EAU

PROJECT ID: 8030-00-70

WITH: N/A

COUNTY: POLK

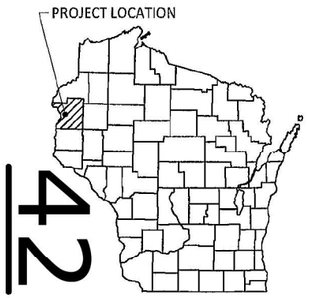
DECEMBER 2025

ORDER OF SHEETS

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

TOTAL SHEETS = 364

PROJECT LOCATION



42

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

AMERY - MILLTOWN

USH 8 TO STH 35

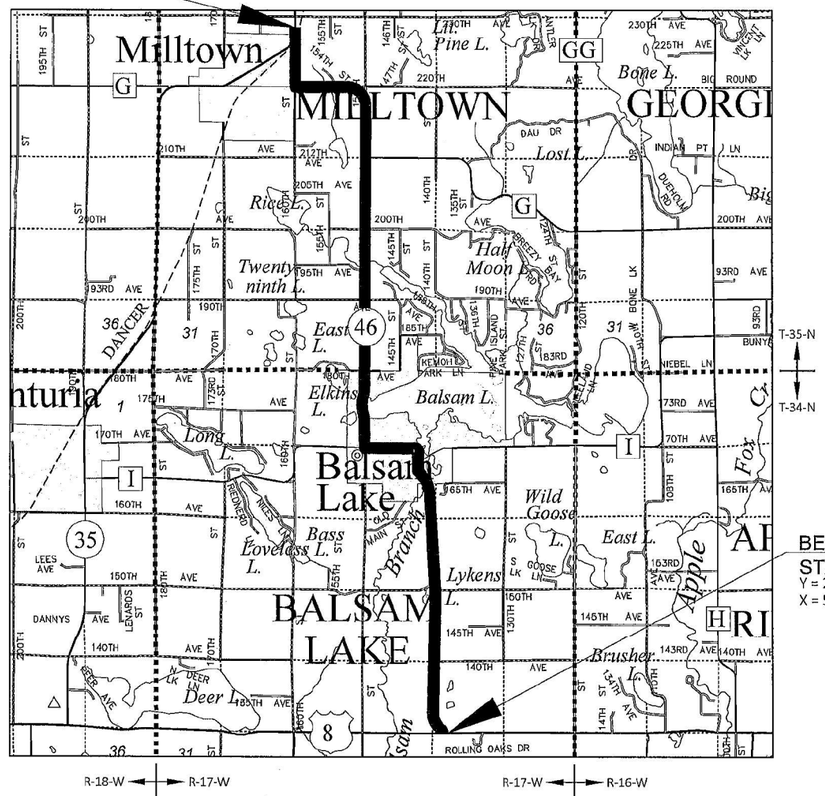
STH 46

POLK COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8030-00-70	WISC 2026115	1

END PROJECT
STA 622+08.03

STATE PROJECT NUMBER
8030-00-70



BEGIN PROJECT
STA 17+99.47
Y = 268,019.062
X = 513,104.139

LAYOUT
SCALE 0 2 MI

TOTAL NET LENGTH OF CENTERLINE = 11.441 MI

DESIGN DESIGNATION 8030-00-00

A.A.D.T.	(2026)	=	3,710
A.A.D.T.	(2046)	=	4,130
D.H.V.		=	470
D.D.		=	60/40
T.		=	12.2%
DESIGN SPEED		=	25 - 55 MPH
ESALS		=	550,000

CONVENTIONAL SYMBOLS

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

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.35)
- 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

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

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A

ORIGINAL PLANS PREPARED BY

BECHER HOPPE

WISCONSIN
AARON J. WALLNER
E-46054-6
WAUSAU, WI
PROFESSIONAL ENGINEER

DATE: 7-30-25 (Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KL ENGINEERING, INC.
Designer	BECHER-HOPPE ASSOCIATES, INC.
Project Manager	BETH CUNNINGHAM, P.E.
Regional Examiner	NW REGION
Regional Supervisor	TOU YANG, PE

APPROVED FOR THE DEPARTMENT

DATE: 10/13/2025 (Signature)

E

2

GENERAL NOTES

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

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

THE LOCATION OF ALL DRIVEWAYS SHALL REMAIN AT THEIR EXISTING LOCATION UNLESS DIRECTED OTHERWISE BY THE ENGINEER. MAINTAIN ACCESS TO DRIVEWAYS AT ALL TIMES.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING PAVEMENT AT ALL CURB RAMPS AND CULVERT WORK.

MATCH EXISTING SUPERELEVATIONS ALONG HORIZONTAL CURVES.

THE LOCATION OF CONSTRUCTION MATCH POINTS ON SIDE ROADS SHALL BE AT THE FURTHEST OUT RADIUS RETURN POINT AS SHOWN IN THE DETAILS OR AS DETERMINED BY THE ENGINEER.

HORIZONTAL ALIGNMENTS ARE BASED ON BEST FITTING OF SURVEYED CENTERLINE SHOTS AND AS-BUILT PLANS. ADJUSTMENTS MAY BE NEEDED TO FIT ACTUAL FIELD CONDITIONS WHEN DIRECTED BY THE ENGINEER. ADJUSTMENTS ARE INCIDENTAL TO THE ITEM "RESURFACING REFERENCE".

HMA PAVEMENT TONNAGE CALCULATIONS ARE BASED ON 112 LB/SY-IN.

R/W APPROXIMATED ON PLAN SHEETS BASED ON POLK COUNTY GIS AND AS-BUILT DATA.

EXISTING SIGNS SHALL REMAIN IN PLACE UNLESS DIRECTED BY THE ENGINEER.

ALL CULVERT AND DITCH CLEANING ACTIVITIES SHALL OCCUR UNDER DRY CONDITIONS TO THE FURTHEST EXTENTS PRACTICABLE.

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 236.7 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.28 ACRES

UTILITY CONTACTS

ELECTRICITY

NORTHWESTERN WISCONSIN ELECTRIC CO
JASON EVENSON
104 S PINE ST
P.O. BOX 09
GRANTSBERG, WI 54840-0009
PHONE: (800) 421-0283
EMAIL: Jevenson@polkburnett.com

POLK-BURNETT ELECTRIC COOPERATIVE
JESSE SEERING
1001 STATE ROAD 35
CENTURIA, WI 54824
PHONE: (715) 646-2191 EXT. 322
EMAIL: jseering@polkburnett.com

GAS/PETROLEUM

WE ENERGIES
STEVE CHAVERS
104 W SOUTH STREET
RICE LAKE, 54868
PHONE: (414) 234-9605
EMAIL: We-Utility-relocations@we-energies.com

COMMUNICATIONS

CENTURY LINK
KYLE SCHLAMPP
20 S WILSON AVE
RICE LAKE WI 54868
PHONE: (715) 475-2029
EMAIL: kyle.schlampp@lumen.com

SPECTRUM
MICKEY BENIK
2016 18 3/4 STREET
RICE LAKE, WI 54868
PHONE: (715) 214-1174
EMAIL: Mickeybenik@charter.com

LAKELAND TELECOM INC
MARK MAYER
825 INNOVATION AVE P.O. BOX 40
MILLTOWN, WI 54858
PHONE: (715) 825-5130
EMAIL: markm@lakelandteam.com

WATER

BALSAM LAKE MUN WATER UTILITY
DAVE PATTERSON
P.O. BOX 506
BALSAM LAKE, WI 54810-0506
PHONE: (715) 554-0420
EMAIL: vobldpw@lakeland.ws

SANITARY SEWER

BALSAM LAKE MUN SANITARY UTILITY
DAVE PATTERSON
P.O. BOX 506
BALSAM LAKE, WI 54810-0506
PHONE: (715) 554-0420
EMAIL: vobldpw@lakeland.ws

POLK COUNTY CONTACT

POLK COUNTY HIGHWAY DEPARTMENT
JOSH KELCH
HIGHWAY COMMISSIONER
900 PHEASANT LANE
P.O. BOX 248
BALSAM LAKE, WI 54810
PHONE: (715) 485-8700
EMAIL: Josh.kelch@polkcountywi.gov

BECHER HOPPE CONTACT

AARON WALLNER
PROJECT ENGINEER
330 N 4TH. STREET
WAUSAU, WI 5403
PHONE: (715) 845-0426
EMAIL: awallner@becherhoppe.com

WISDOT CONTACT

BETH CUNNINGHAM
PROJECT MANAGER
W7102 GREEN VALLEY RD
SPOONER, WI 54801
PHONE: (715) 635-4973
EMAIL: beth.cunningham@dot.wi.gov

WDNR CONTACT

DEPARTMENT OF NATURAL RESOURCES
AMY CRONK
NORTHERN REGION HQ
810 W MAPLE ST
SPOONER, WI 54801
PHONE: (715) 520-3976
EMAIL: amy.cronk@wisconsin.gov

COUNTY SURVEYOR CONTACT

POLK COUNTY SURVEYOR
ED FLANUM
HIGHWAY COMMISSIONER
100 POLK COUNTY PLAZA, SUITE 130
BALSAM LAKE, WI 54810
PHONE: (715) 485-9260
EMAIL: edwin.flanum@polkcountywi.gov

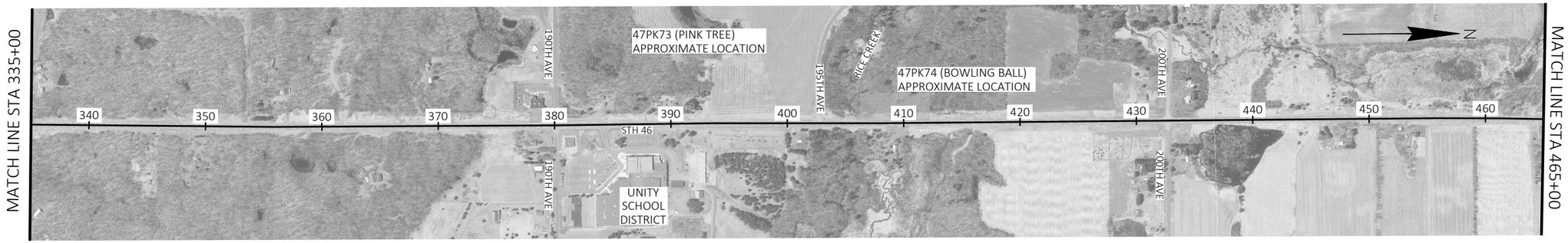
DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

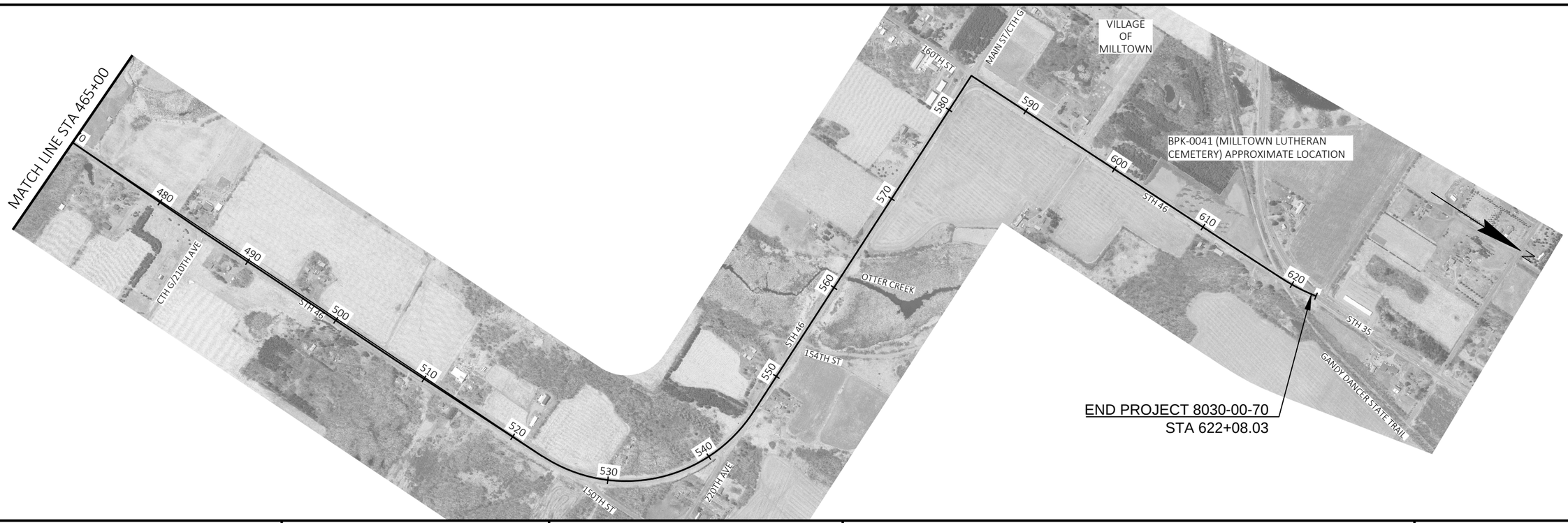
2

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 01
PLOT DATE : 10/14/2025 11:37 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 44

2





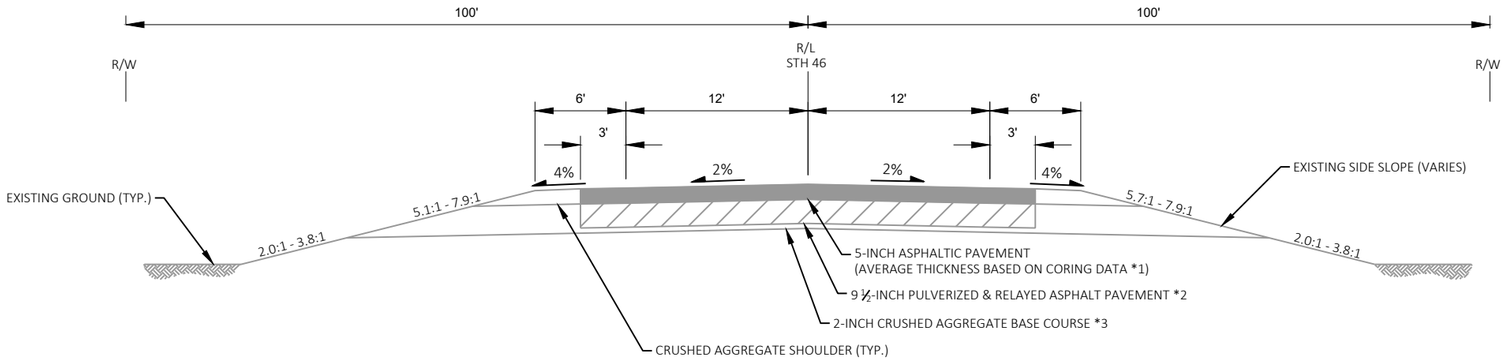
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PROJECT OVERVIEW	SHEET 4	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 02
PLOT DATE : 10/14/2025 11:37 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:1000 FT
WISDOT/CADDS SHEET 44

2

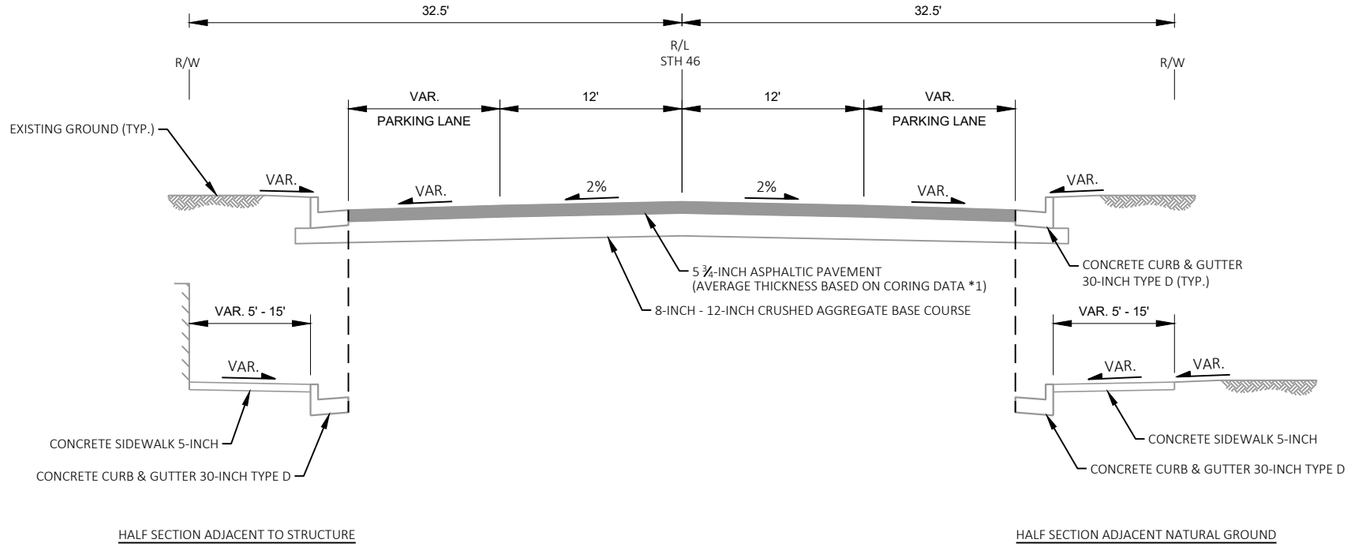
NOTES:

1. EXISTING ASPHALTIC PAVEMENT DEPTH VARIES. SEE PAVEMENT CORE LOG FOR MORE INFORMATION.
2. 4 ½-INCH PULVERIZED & RELAYED ASPHALT PAVEMENT STA 44+80 TO STA 46+20.
3. 6-INCH CRUSHED AGGREGATE BASE COURSE STA 44+80 TO STA 46+20.
4. EXISTING PAVEMENT DEPTH BASED ON PAVEMENT CORES OBTAINED 2-10-2020. EXISTING UNDERLYING LAYER DEPTHS BASED ON AS-BUILT PLANS.
5. RIGHT-OF-WAY FROM STA 216+75-235+50 HAS BEEN VERIFIED. RIGHT-OF-WAY IN ALL OTHER LOCATIONS WERE APPROXIMATED FROM GIS.



EXISTING TYPICAL SECTION STH 46

STA 17+99.43 - STA 208+68



HALF SECTION ADJACENT TO STRUCTURE

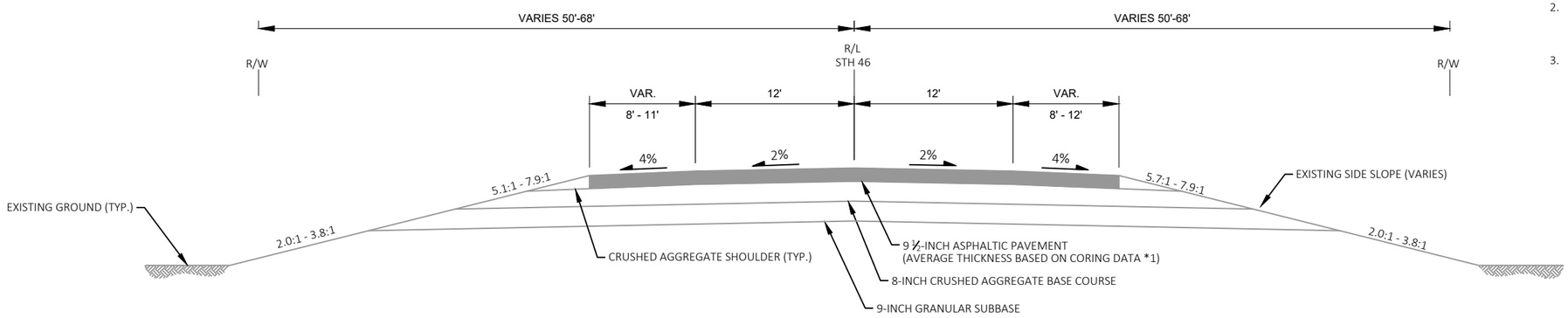
HALF SECTION ADJACENT NATURAL GROUND

EXISTING TYPICAL SECTION STH 46

STA 208+68 - STA 244+58

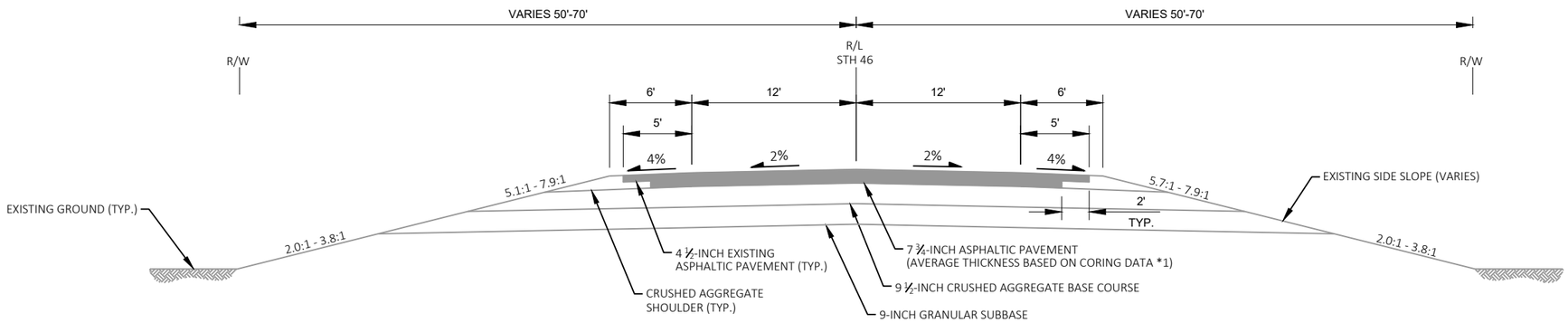
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	TYPICAL SECTIONS	SHEET 5	E

NOTES:
1. EXISTING ASPHALTIC PAVEMENT DEPTH VARIES. SEE PAVEMENT CORE LOG FOR MORE INFORMATION.
2. EXISTING PAVEMENT DEPTH BASED ON PAVEMENT CORES OBTAINED 5-30-2019. EXISTING UNDERLYING LAYER DEPTHS BASED ON AS-BUILT PLANS.
3. RIGHT-OF-WAY FROM STA 216+75-235+50 HAS BEEN VERIFIED. RIGHT-OF-WAY IN ALL OTHER LOCATIONS WERE APPROXIMATED FROM GIS.



EXISTING TYPICAL SECTION STH 46

STA 244+58 - STA 268+59



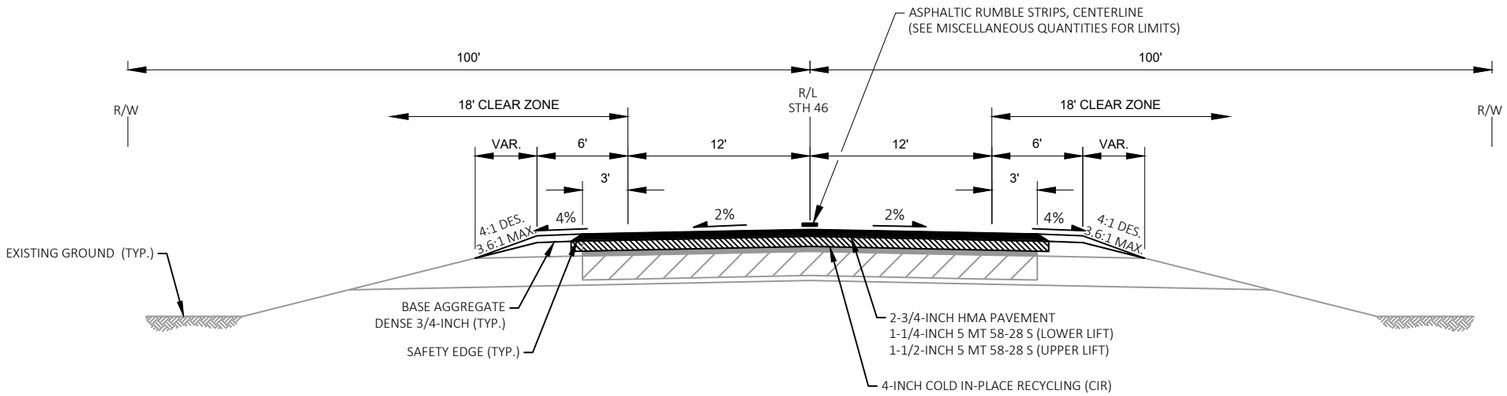
EXISTING TYPICAL SECTION STH 46

STA 272+17 - STA 582+03
STA 585+72 - STA 621+64

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	TYPICAL SECTIONS	SHEET 6	E

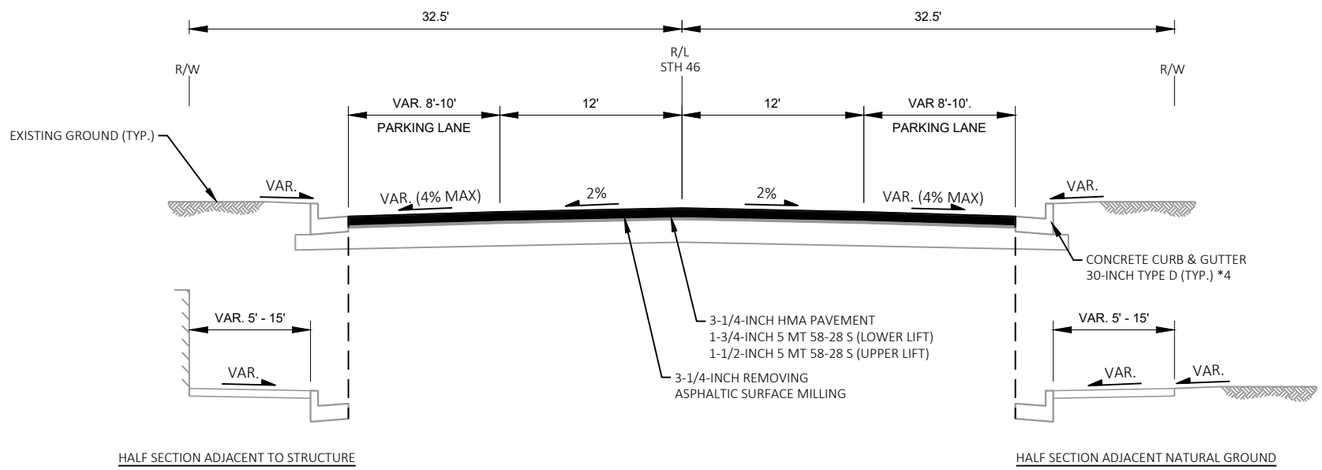
2

NOTES:
1. ALL PARKING LANE WORK CATEGORY 0020. SEE MISCELLANEOUS QUANTITIES FOR MORE DETAILS.
2. SEE PLAN DETAILS FOR CURB RAMPS.
3. EXISTING SIDE SLOPES HAVE BEEN ANALYZED AND FOUND THAT A 3.6:1 CAN STILL BE ATTAINED DIRECTLY ADJACENT TO THE NEW AGGREGATE SHOULDERS.
4. SEE PLAN SHEETS FOR CURB AND GUTTER REPLACEMENT LOCATIONS.
5. RIGHT-OF-WAY FROM STA 216+75-235+50 HAS BEEN VERIFIED. RIGHT-OF-WAY IN ALL OTHER LOCATIONS WERE APPROXIMATED FROM GIS.



FINISHED TYPICAL SECTION STH 46

STA 17+99 - STA 208+68



HALF SECTION ADJACENT TO STRUCTURE

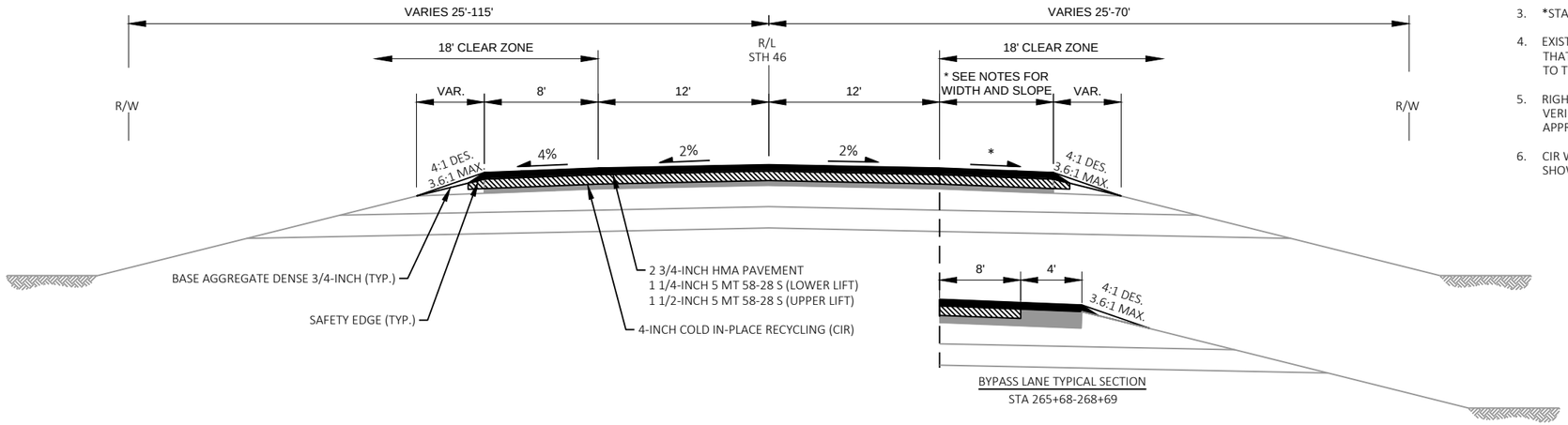
HALF SECTION ADJACENT NATURAL GROUND

FINISHED TYPICAL SECTION STH 46

STA 208+68 - STA 244+58

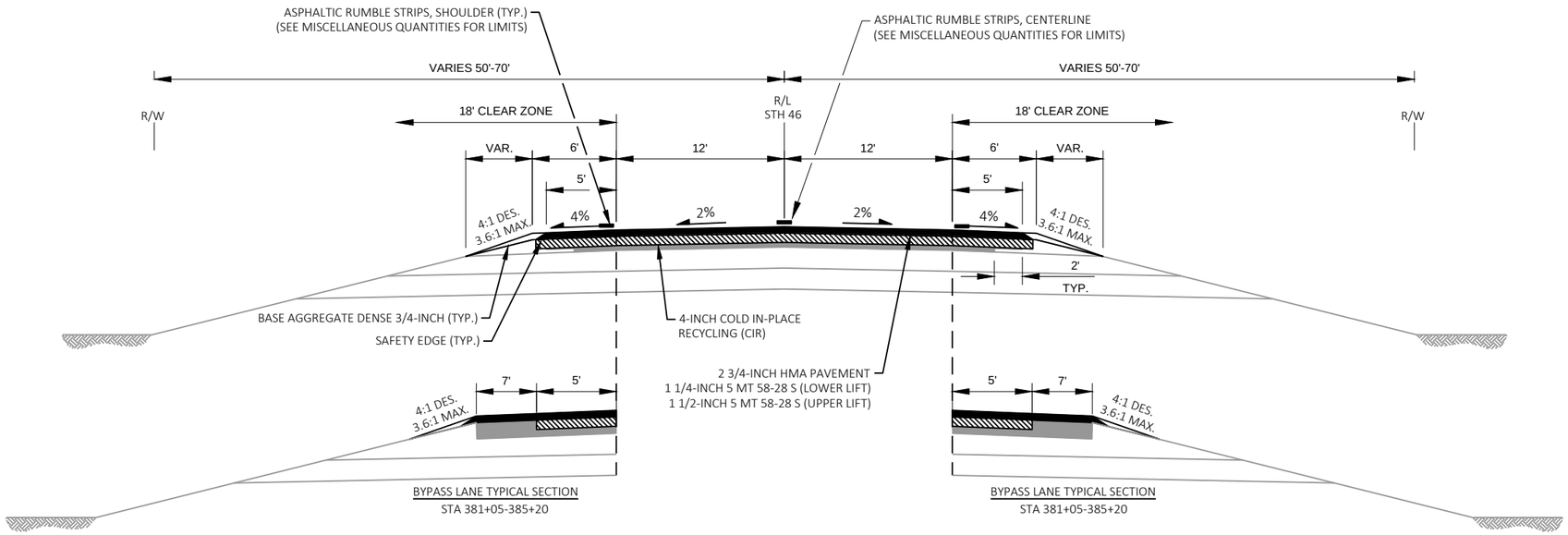
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	TYPICAL SECTIONS	SHEET 7	E

NOTES:
1. EXISTING ASPHALTIC PAVEMENT DEPTH VARIES. SEE PAVEMENT CORE LOG FOR MORE INFORMATION.
2. *STA 244+58 - STA 265+68: 8-FT AT 4% CROSS SLOPE
3. *STA 265+68 - STA 268+69: 12-FT AT 2% CROSS SLOPE
4. EXISTING SIDE SLOPES HAVE BEEN ANALYZED AND FOUND THAT A 3.6:1 CAN STILL BE ATTAINED DIRECTLY ADJACENT TO THE NEW AGGREGATE SHOULDERS.
5. RIGHT-OF-WAY FROM STA 216+75-235+50 HAS BEEN VERIFIED. RIGHT-OF-WAY IN ALL OTHER LOCATIONS WERE APPROXIMATED FROM GIS.
6. CIR WIDTHS SHALL REMAIN CONSISTENT PER DIMENSIONS SHOWN IN MQ TABLE.



FINISHED TYPICAL SECTION STH 46

STA 244+58 - STA 268+59
STA 268+59 - STA 272+17: SEE PLAN SHEETS



FINISHED TYPICAL SECTION STH 46

STA 272+17 - STA 582+03
STA 582+03 - STA 585+72: SEE PLAN SHEETS
STA 585+72 - STA 621+64

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	TYPICAL SECTIONS	SHEET 8	E

USH 8 TO IDLEWIND DRIVE

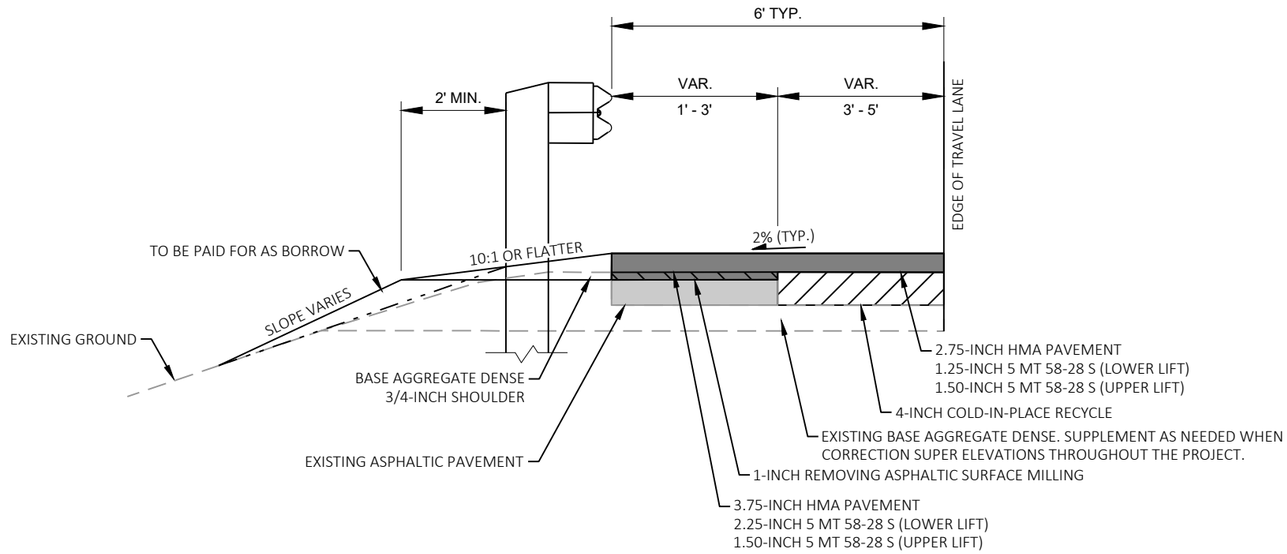
BORING	APPROX. STATION	OFFSET	ASPHALT THICKNESS (INCHES)	UNDERLYING MATERIAL THICKNESS (INCHES)	UNDERLYING MATERIAL	DATE
C-01	23+58	8.5' RT	5.125	-	RECLAIMED ASPHALT	2/10/2020
C-02	37+21	6' LT	4.5	-	RECLAIMED ASPHALT	2/10/2020
C-03	42+72	9.5' RT	5.5	3.5	RECLAIMED ASPHALT	2/10/2020
C-04	57+31	8' LT	5	4.5	RECLAIMED ASPHALT	2/10/2020
C-05	65+78	7' RT	4.5	1	RECLAIMED ASPHALT	2/10/2020
C-06	77+89	5' LT	5	1.75	RECLAIMED ASPHALT	2/10/2020
C-07	86+07	5.5' RT	4.75	5.25	RECLAIMED ASPHALT	2/10/2020
C-08	97+29	4' LT	4.75	-	RECLAIMED ASPHALT	2/10/2020
C-09	107+97	5.5' RT	6.25	-	RECLAIMED ASPHALT	2/10/2020
C-10	119+79	5.5' LT	5.25	2.25	RECLAIMED ASPHALT	2/10/2020
C-11	128+24	5' RT	4.75	1	RECLAIMED ASPHALT	2/10/2020
C-12	139+73	6' LT	4.5	1.5	RECLAIMED ASPHALT	2/10/2020
C-13	148+04	6.5' RT	5.5	-	RECLAIMED ASPHALT	2/10/2020
C-14	160+12	6.5' LT	5.5	2.75	RECLAIMED ASPHALT	2/10/2020
C-15	169+06	6' RT	5.75	-	RECLAIMED ASPHALT	2/10/2020
C-16	180+05	6' LT	5.25	0.5	RECLAIMED ASPHALT	2/10/2020
C-17	190+78	7.5' RT	7.45	6.75	RECLAIMED ASPHALT	2/10/2020
C-18	200+25	9' LT	5.75	-	RECLAIMED ASPHALT	2/10/2020
C-19	209+86	14.5' RT	4.75	-	RECLAIMED ASPHALT	2/10/2020
C-20	218+73	9' LT	3.875	-	RECLAIMED ASPHALT	2/10/2020
C-21	229+78	7' RT	8.5	-	BASE AGGREGATE	2/10/2020
C-22	239+93	10' LT	5.75	-	BASE AGGREGATE	2/10/2020

IDLEWIND DRIVE TO STH 35

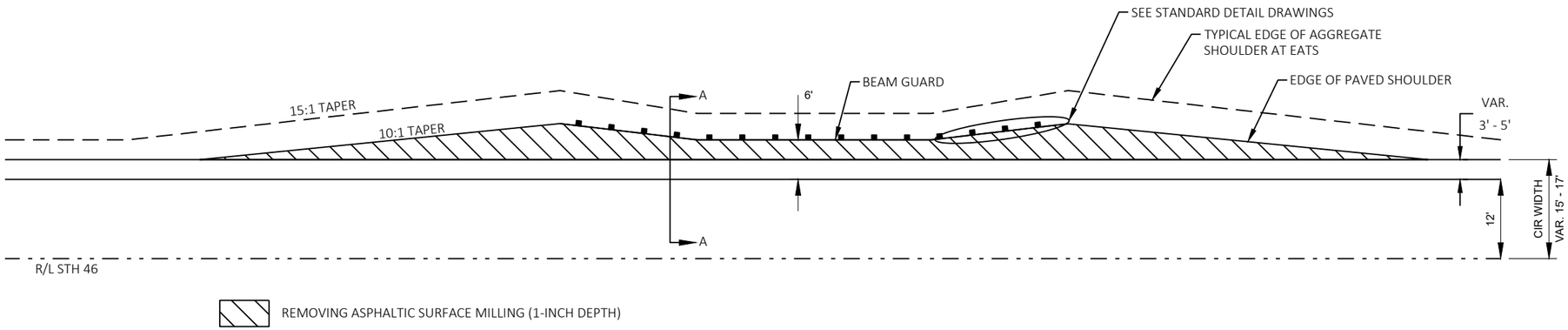
BORING	APPROX. STATION	OFFSET	ASPHALT THICKNESS (INCHES)	UNDERLYING MATERIAL THICKNESS (INCHES)	UNDERLYING MATERIAL	DATE
C-01	253+82	7' RT	11	-	BASE AGGREGATE	5/30/2019
C-02	263+90	8' LT	11	-	BASE AGGREGATE	5/30/2019
C-03	273+85	6' RT	6.75	-	BASE AGGREGATE	5/30/2019
C-04	283+92	4' LT	6.5	-	BASE AGGREGATE	5/30/2019
C-05	293+97	7' RT	8.25	-	BASE AGGREGATE	5/30/2019
C-06	303+82	6' LT	8	-	BASE AGGREGATE	5/30/2019
C-07	313+87	9' RT	8.5	-	BASE AGGREGATE	5/30/2019
C-08	323+82	7' LT	6.5	-	BASE AGGREGATE	5/30/2019
C-09	333+85	7' RT	9	-	BASE AGGREGATE	5/30/2019
C-10	343+87	8' LT	7	-	BASE AGGREGATE	5/30/2019
C-11	354+14	9' RT	7.75	-	BASE AGGREGATE	5/30/2019
C-12	364+07	6' LT	7.75	-	BASE AGGREGATE	5/30/2019
C-13	373+97	5' RT	7.5	-	BASE AGGREGATE	5/30/2019
C-14	383+82	5' LT	7	-	BASE AGGREGATE	5/30/2019
C-15	393+88	4' RT	8	-	BASE AGGREGATE	5/30/2019
C-16	403+92	10' LT	7.75	-	BASE AGGREGATE	5/30/2019
C-17	414+07	9' RT	9	-	BASE AGGREGATE	5/30/2019
C-18	423+87	6' LT	6.75	-	BASE AGGREGATE	5/30/2019
C-19	433+90	7' RT	8	-	BASE AGGREGATE	5/30/2019
C-20	443+87	7' LT	7.25	-	BASE AGGREGATE	5/30/2019
C-21	454+23	8' RT	6.5	-	BASE AGGREGATE	5/30/2019
C-22	463+92	7' LT	7	-	BASE AGGREGATE	5/30/2019
C-23	473+84	7' RT	7.75	-	BASE AGGREGATE	5/30/2019
C-24	484+79	6' RT	7.25	-	BASE AGGREGATE	5/30/2019
C-25	493+98	6' LT	7	-	BASE AGGREGATE	5/30/2019
C-26	503+84	6' RT	7.5	-	BASE AGGREGATE	5/30/2019
C-27	513+83	6' LT	7.75	-	BASE AGGREGATE	5/30/2019
C-28	523+83	6' RT	9	-	BASE AGGREGATE	5/30/2019
C-29	533+83	7' LT	8.75	-	BASE AGGREGATE	5/30/2019
C-30	543+86	6' RT	8.5	-	BASE AGGREGATE	5/30/2019
C-31	554+42	9' LT	8.25	-	BASE AGGREGATE	5/30/2019
C-32	564+98	5' RT	8.5	-	BASE AGGREGATE	5/30/2019
C-33	575+54	7' LT	7.5	-	BASE AGGREGATE	5/30/2019
C-34	586+10	6' RT	7.75	-	BASE AGGREGATE	5/30/2019
C-35	596+66	6' LT	8.25	-	BASE AGGREGATE	5/30/2019
C-36	607+20	7' RT	7.5	-	BASE AGGREGATE	5/30/2019

2

KEY
MGS GUARDRAIL 3 K GRADING
MGS GUARDRAIL 3 GRADING

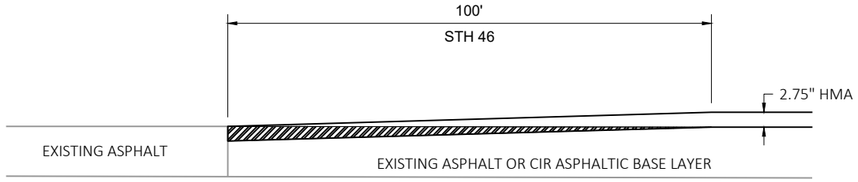


SECTION A-A



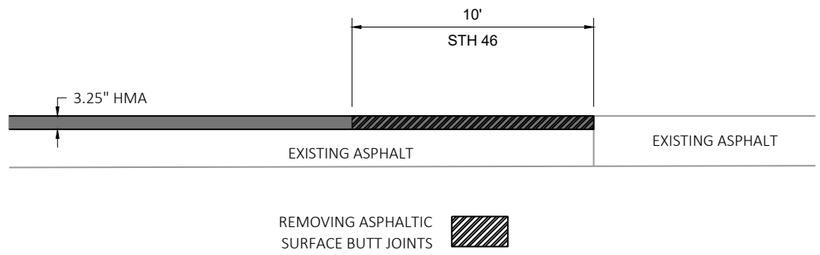
ASPHALTIC SHOULDER AT BEAM GUARD

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CONSTRUCTION DETAILS - BEAM GUARD	SHEET 10	E



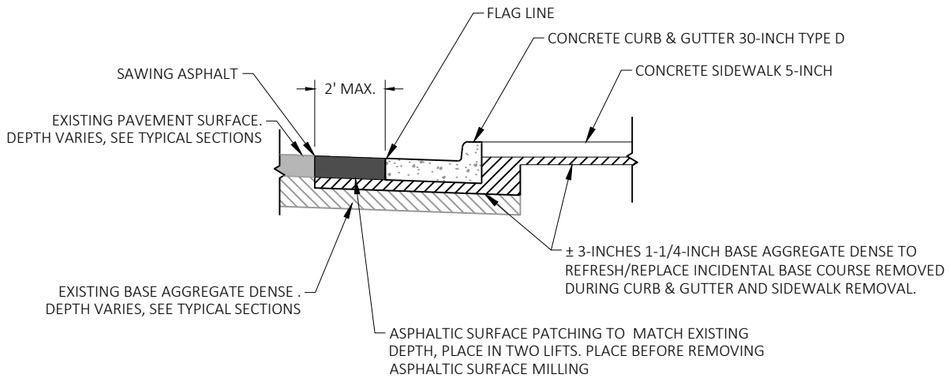
MAINLINE BUTT JOINT DETAIL

STA 17+99 - STA 18+99



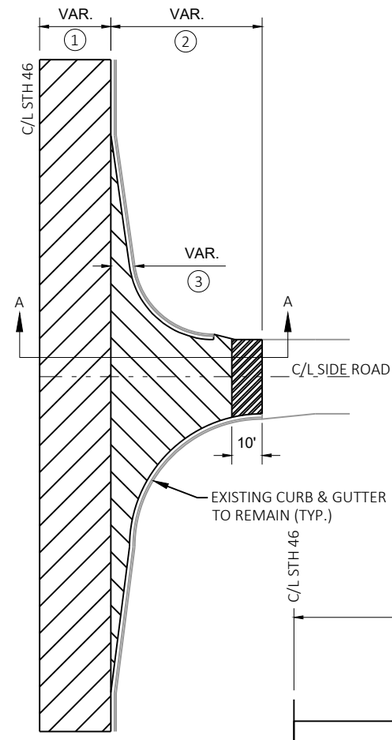
MAINLINE BUTT JOINT DETAIL

STA 621+98 - STA 622+08



CONCRETE CURB & GUTTER AND CONCRETE SIDEWALK REPLACEMENT DETAIL

*TO BE PAID AS EXCAVATION COMMON.

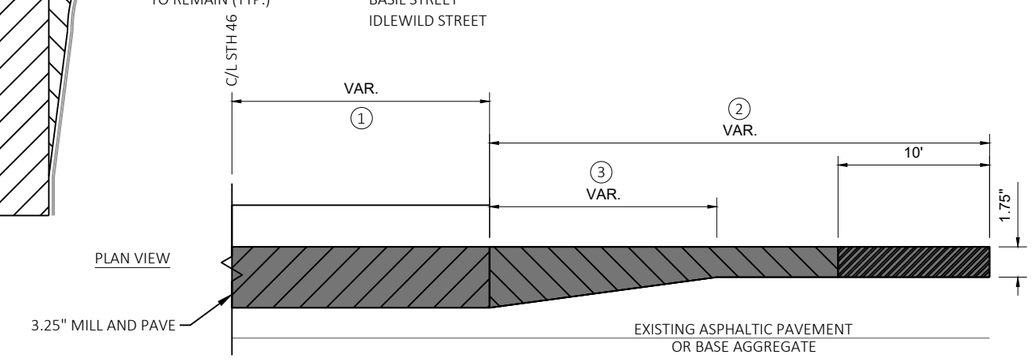


NOTES:

1. 22' WIDE STA 208+68 - STA 229+19
   20'-22' WIDE STA 229+19 - STA 233+16
   20' WIDE STA 233+16 - STA 244+58
2. LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
3. MATCH EXISTING PAVED SURFACE RADII & TAPERS.
4. NO BUTT JOINT IS REQUIRED IF SIDE ROAD IS UNPAVED. PLACE BASE AGGREGATE DENSE 3/4-INCH AS SHOWN IN THE UNPAVED SIDE ROADS DETAIL.

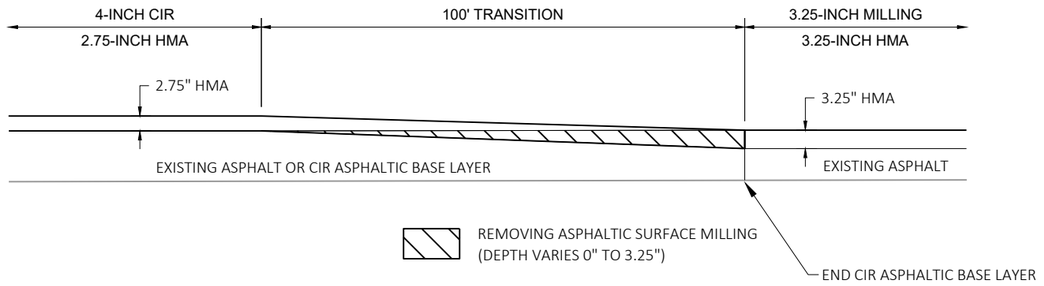
LOCATIONS:
4TH AVE
OLD MAIN STREET
3RD AVE W
2ND AVE E/W
1ST AVE E/W
COURTHOUSE AVE
COURTHOUSE DRIVE
MILL STREET
PEARL STREET
BASIL STREET
IDLEWILD STREET

REMOVING ASPHALTIC SURFACE MILLING 3.25-INCH
REMOVING ASPHALTIC SURFACE MILLING
DEPTH VARIES 3.25" TO 1.75" AS DIRECTED BY THE ENGINEER
REMOVING ASPHALTIC
SURFACE BUTT JOINTS
HMA PAVEMENT 5 MT 58-28 S



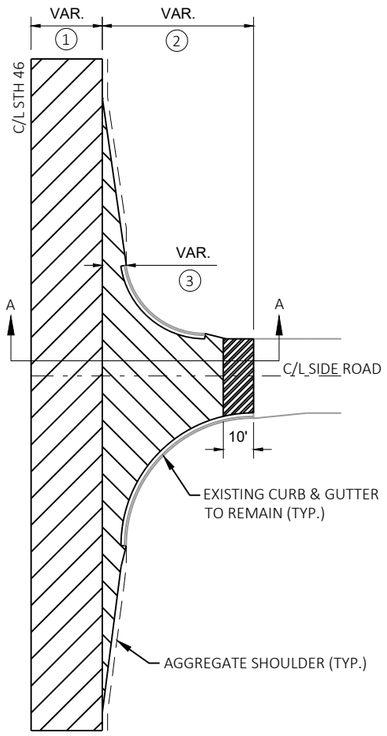
BUTT JOINT DETAIL SECTION A-A

PAVED SIDE ROADS WITH CURB & GUTTER



MAINLINE PAVEMENT TRANSITION DETAIL

STA 207+68 - STA 208+68
STA 244+58 - STA 245+58
STA 267+59 - STA 268+59
STA 272+17 - STA 273+17
STA 581+03 - STA 582+03
STA 585+72 - STA 586+72
STA 618+60 - STA 619+60

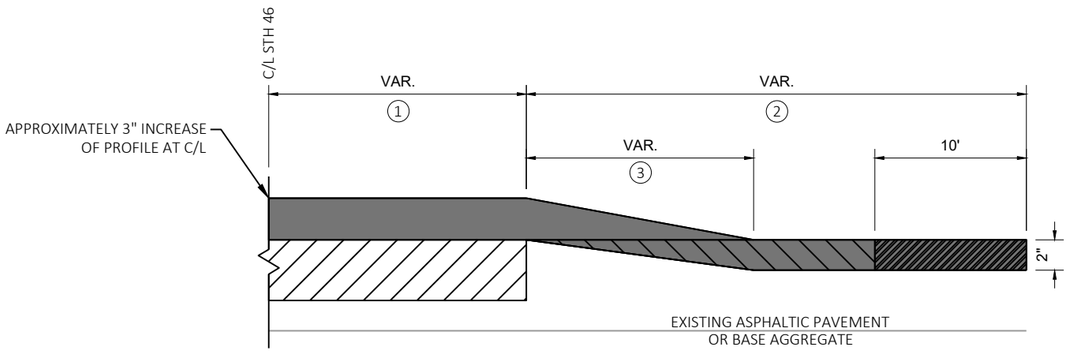


NOTES:
1. 20' WIDE STA 244+58 - STA 268+59
   17' WIDE STA 272+17 - STA 621+64
2. LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
3. MATCH EXISTING PAVED SURFACE RADII & TAPERS. TRANSITION FROM 3-INCH TO 0-INCH PROFILE RAISE TO MATCH CURB FLANGE.
4. NO BUTT JOINT IS REQUIRED IF SIDE ROAD IS UNPAVED. PLACE BASE AGGREGATE DENSE 3/4-INCH AS SHOWN IN THE UNPAVED SIDE ROADS DETAIL.

LOCATIONS:
POLK COUNTY PLAZA
PINE CREST ROAD
180TH AVENUE (EAST IS UNPAVED)
190TH AVENUE
195TH AVENUE
200TH AVENUE
210TH AVENUE (CTH G)

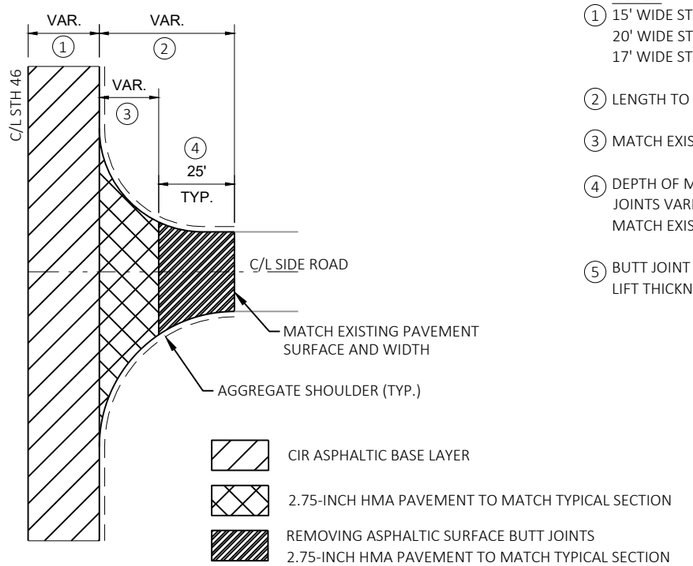
CIR ASPHALTIC BASE LAYER
REMOVING ASPHALTIC SURFACE MILLING
DEPTH VARIES 0" TO 2" AS DIRECTED BY THE ENGINEER
REMOVING ASPHALTIC
SURFACE BUTT JOINTS
HMA PAVEMENT 5 MT 58-28 S

PLAN VIEW



BUTT JOINT DETAIL SECTION A-A

PAVED SIDE ROADS WITH CURB & GUTTER

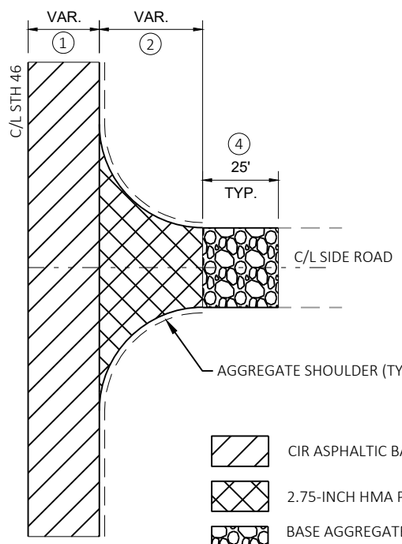


CIR ASPHALTIC BASE LAYER
2.75-INCH HMA PAVEMENT TO MATCH TYPICAL SECTION
REMOVING ASPHALTIC SURFACE BUTT JOINTS
2.75-INCH HMA PAVEMENT TO MATCH TYPICAL SECTION

NOTES:
1. 15' WIDE STA 17+99 - STA 208+68
   20' WIDE STA 244+58 - STA 268+59
   17' WIDE STA 272+17 - STA 621+64
2. LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
3. MATCH EXISTING PAVED SURFACE RADII & TAPERS.
4. DEPTH OF MILLING FOR REMOVING ASPHALTIC SURFACE BUTT JOINTS VARIES FROM 0" TO 2.75" AS DIRECTED BY THE ENGINEER TO MATCH EXISTING PAVEMENT.
5. BUTT JOINT PAVEMENT LIFT THICKNESS SHALL MATCH MAINLINE LIFT THICKNESS

LOCATIONS:
140TH AVENUE
150TH AVENUE
TILLTAG DRIVE
BADGER DRIVE
EAGLE DRIVE
PLEASANT AVENUE
150TH STREET
220TH AVENUE

PAVED SIDE ROADS WITHOUT CURB & GUTTER

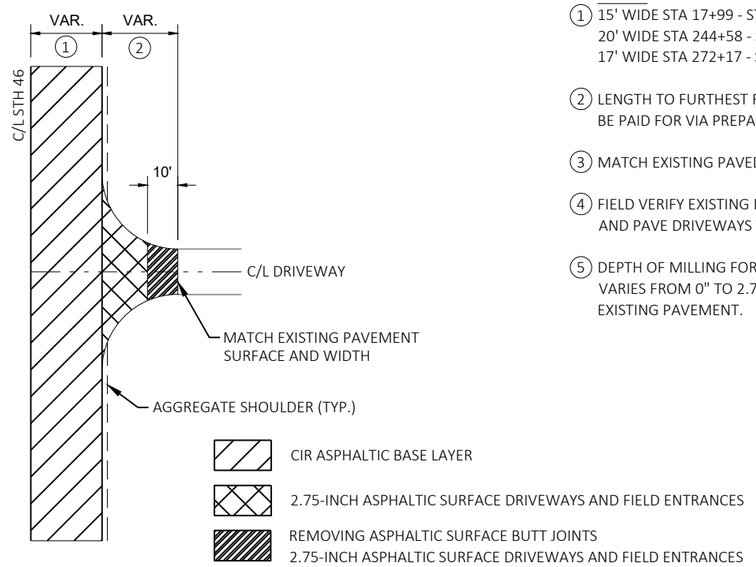


CIR ASPHALTIC BASE LAYER
2.75-INCH HMA PAVEMENT TO MATCH TYPICAL SECTION
BASE AGGREGATE DENSE 3/4-INCH
FEATHER PLACEMENT TO MATCH EXISTING

NOTES:
1. 15' WIDE STA 17+99 - STA 208+68
   20' WIDE STA 244+58 - STA 268+59
   17' WIDE STA 272+17 - STA 621+64
2. LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
3. MATCH EXISTING PAVED SURFACE RADII & TAPERS.
4. PAVEMENT LIFT THICKNESS SHALL MATCH MAINLINE LIFT THICKNESS

LOCATIONS:
154TH STREET

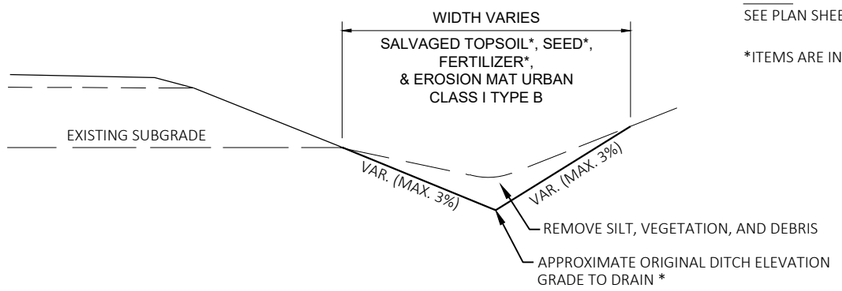
UNPAVED SIDE ROADS WITH PAVED/UNPAVED APPROACH



NOTES:

1. 15' WIDE STA 17+99 - STA 208+68
   20' WIDE STA 244+58 - STA 268+59
   17' WIDE STA 272+17 - STA 621+64
2. LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER. TO BE PAID FOR VIA PREPARE FOUNDATION FOR ASPHALTIC SURFACE.
3. MATCH EXISTING PAVED DRIVEWAY SURFACE RADII & TAPERS.
4. FIELD VERIFY EXISTING DRAINAGE DIRECTION FOR DRIVEWAYS. GRADE AND PAVE DRIVEWAYS TO MATCH EXISTING DRAINAGE PATTERNS.
5. DEPTH OF MILLING FOR REMOVING ASPHALTIC SURFACE BUTT JOINTS VARIES FROM 0" TO 2.75" AS DIRECTED BY THE ENGINEER TO MATCH EXISTING PAVEMENT.

PAVED DRIVEWAYS

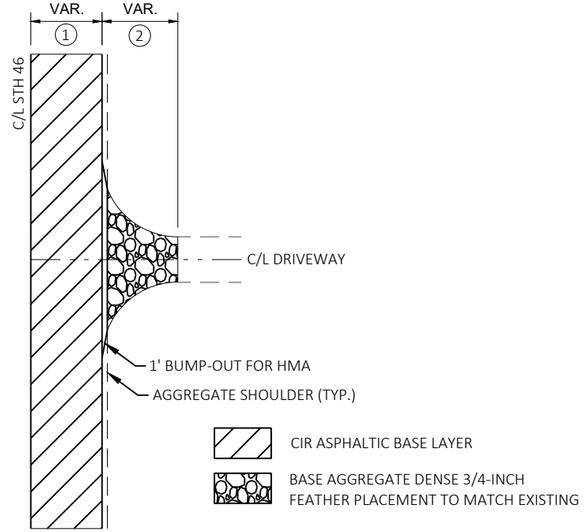


NOTES:

SEE PLAN SHEETS FOR LOCATIONS AND LENGTHS.

*ITEMS ARE INCIDENTAL TO DITCH CLEANING BID ITEM.

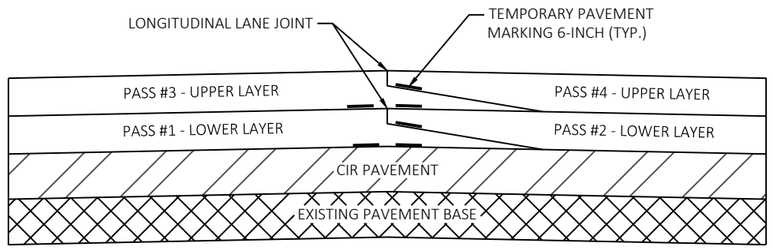
DITCH CLEANING DETAIL



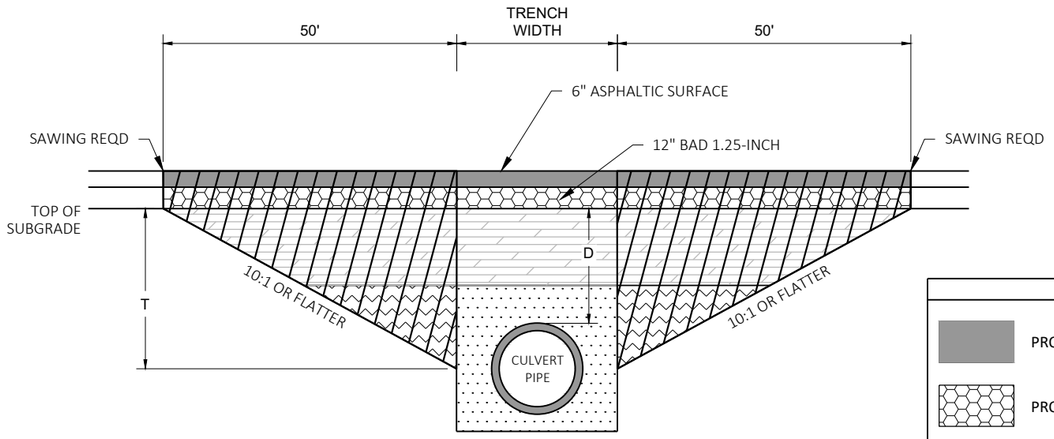
NOTES:

1. 15' WIDE STA 17+99 - STA 208+68
   20' WIDE STA 244+58 - STA 268+59
   17' WIDE STA 272+17 - STA 621+64
2. LENGTH TO FURTHEST RADIUS OR AS DIRECTED BY THE ENGINEER.
3. MATCH EXISTING DRIVEWAY SURFACE RADII & TAPERS.
4. FIELD VERIFY EXISTING DRAINAGE DIRECTION FOR DRIVEWAYS. GRADE DRIVEWAYS TO MATCH EXISTING DRAINAGE PATTERNS.

UNPAVED DRIVEWAYS



PAVEMENT MARKING DETAIL FOR TAPERED OVERLAPPING JOINTS IN HMA PAVEMENTS

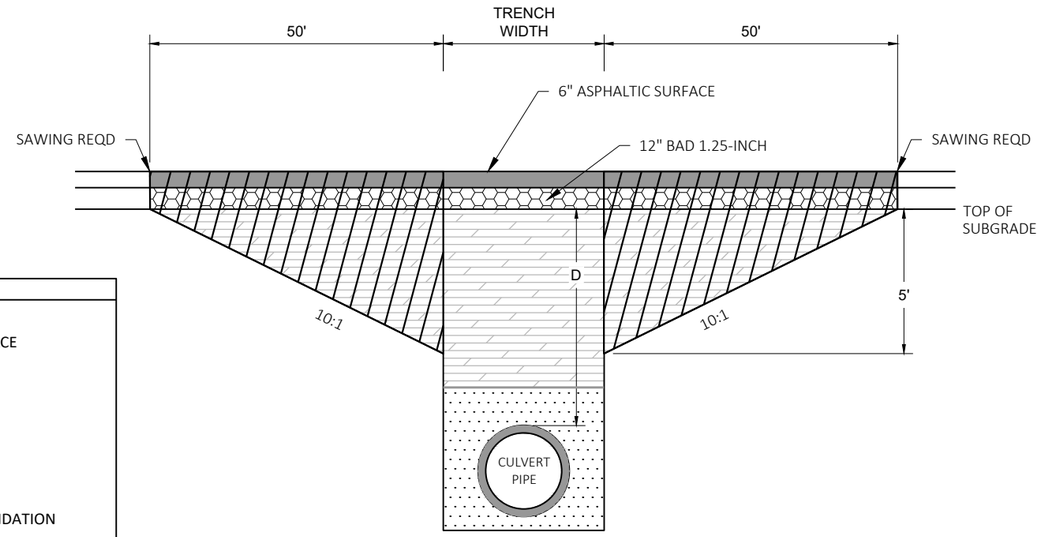


TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

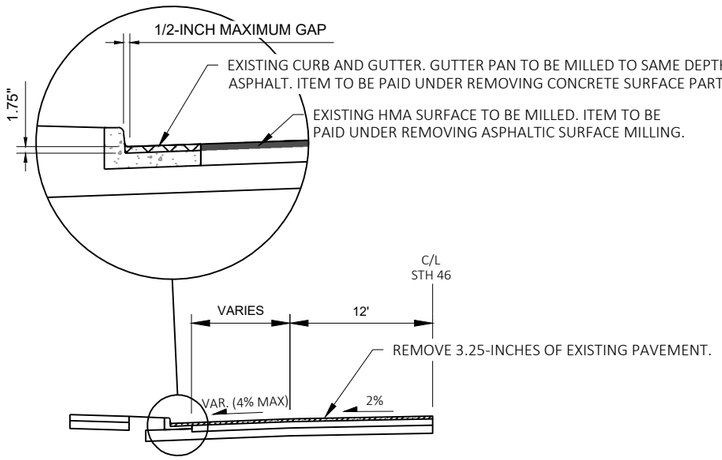
DEPTH D < 6 FT

KEY

- PROPOSED SURFACE
- PROPOSED BASE
- TRENCH BACKFILL
- TRENCH OR FOUNDATION BACKFILL
- FOUNDATION BACKFILL
- TRANSITION CUT



DEPTH D ≥ 6 FT



CONCRETE CURB PAN OVERLAY DETAIL

STA 208+79 - STA 212+83 RT
STA 209+56 - STA 209+83 LT
STA 210+21 - STA 217+03 LT
STA 229+16 - STA 243+66 RT
STA 234+37 - STA 240+66 LT
STA 240+98 - STA 244+50 LT

NOTES

TRANSITION CUT IS PAID AS EXCAVATION COMMON.

TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.

BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520.

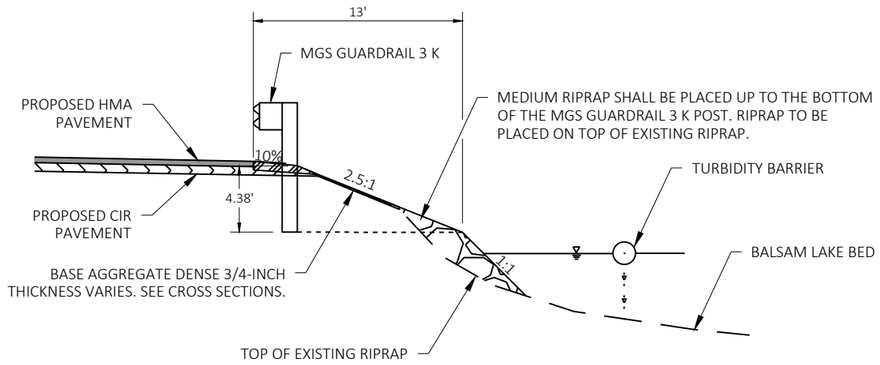
PERFORM CULVERT PIPE INSTALLATION BEFORE MAINLINE CIR AND HMA PAVING OPERATIONS, PROCEED THROUGH PATCHED AREAS WITH MAINLINE PAVEMENT TREATMENT.

PLACE ASPHALTIC SURFACE AFTER CULVERT PIPE INSTALLATION AND BEFORE CIR OPERATIONS.

IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY PIPE DEPTHS PRIOR TO CONSTRUCTION.

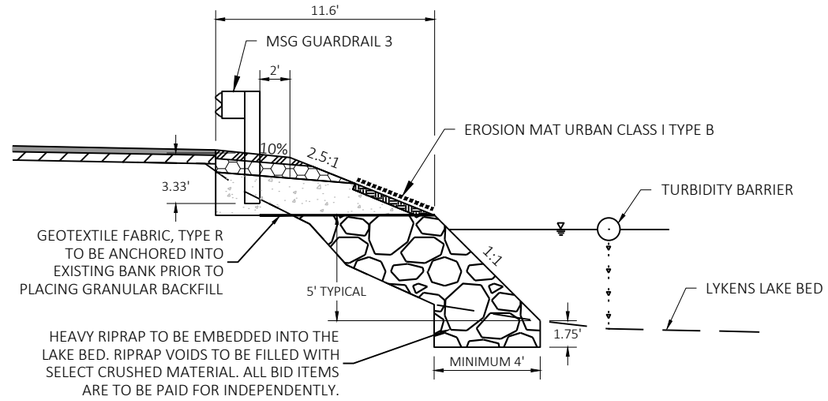
CULVERT PIPE TRANSITION

STA (CL)	DEPTH D (FT)	PIPE DIA (IN)	REMARKS
272+37	10'-12'	30	CULVERT 020
303+97	3'-5'	24	CULVERT 024
472+39	15'-20'	24	CULVERT 034
573+64	8'-15'	24	CULVERT 040
619+83	5'	24	CULVERT 044
620+18	3'	18	CULVERT 045



BALSAM LAKE GUARDRAIL TYPICAL SECTION DETAIL

STA 259+00 - STA 307+00

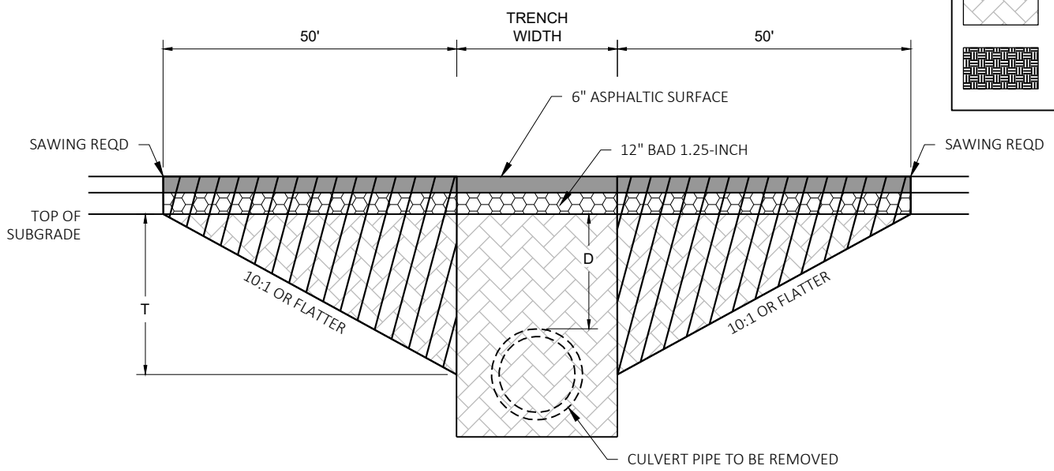


LYKENS LAKE GUARDRAIL TYPICAL SECTION DETAIL

STA 115+00 - STA 123+40
NOT TO SCALE

KEY

- PROPOSED HMA PAVEMENT
- PROPOSED BASE AGGREGATE DENSE 3/4-INCH
- PROPOSED BASE AGGREGATE DENSE 1 1/4-INCH
- PROPOSED BACKFILL GRANULAR GRADE 1
- TRANSITION CUT
- NATIVE BACKFILL
- SALVAGED TOPSOIL



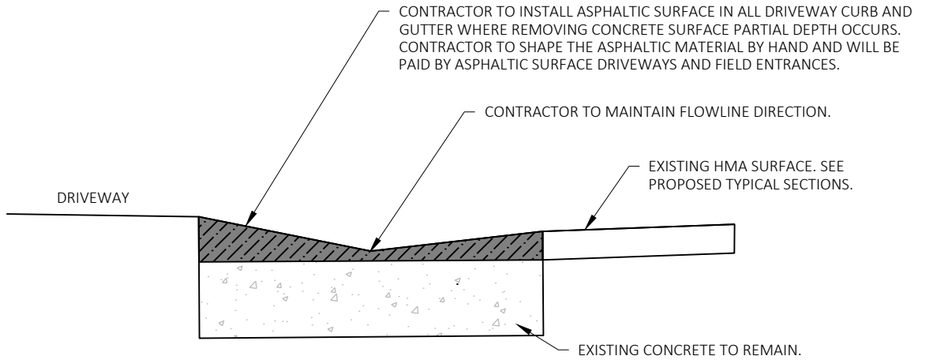
TRANSITION CUT DEPTH (T) = THE LESSER OF DEPTH TO CENTER OF PIPE OR 5 FT.
DO NOT EXTEND TRANSITION CUT BELOW HORIZONTAL CENTER OF PIPE.

DEPTH D < 6 FT

LYKENS LAKE CULVERT REMOVAL DETAIL

CULVERT PIPE TRANSITION

STA (CL)	DEPTH D (FT)	PIPE DIA (IN)	REMARKS
125+43	3'-15	24	CULVERT 013
118+20	5'-10'	30	CULVERT 010

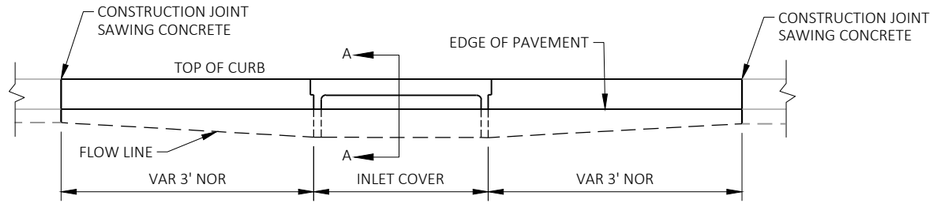


KEY

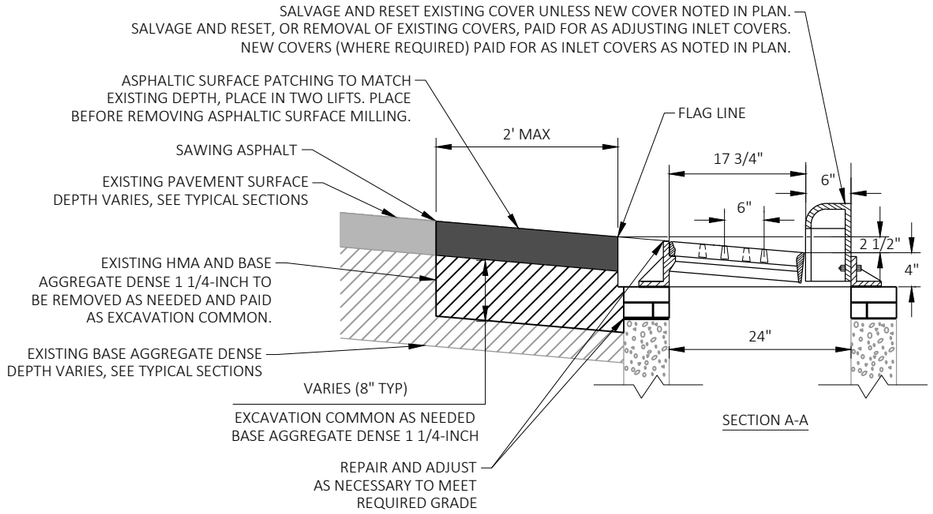
- REMOVING CONCRETE SURFACE PARTIAL DEPTH
- PROPOSED HMA PAVEMENT
- EXISTING CONCRETE

DRIVEWAY CONCRETE CURB PAN OVERLAY DETAIL

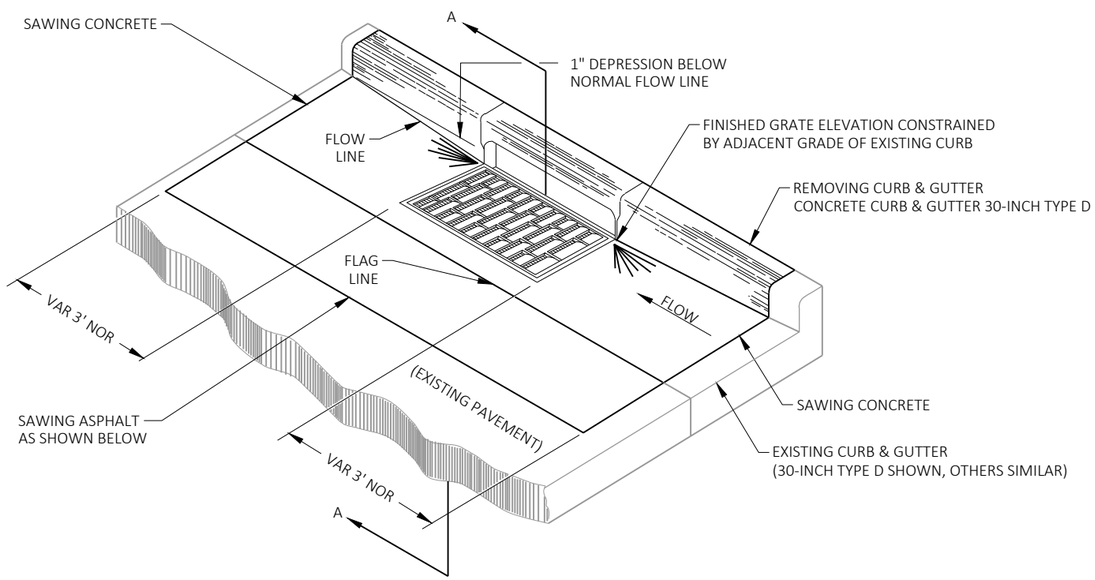
STA 211+54 RT	STA 238+55 RT
STA 211+94 LT	STA 239+36 LT
STA 235+06 RT	STA 239+62 RT
STA 235+47 RT	STA 240+68 RT
STA 235+92 LT	STA 240+96 RT
STA 236+25 RT	STA 241+91 LT
STA 236+60 RT	STA 243+14 LT
STA 237+32 RT	STA 243+78 LT
STA 237+45 LT	



ELEVATION



SECTION A-A



ADJUSTING INLET COVERS DETAIL

(TYPE 3-H INLET SHOWN, OTHERS SIMILAR)

NOTES:

- ADJUST INLETS PRIOR TO FINAL ASPHALT OVERLAY.
- EXISTING HMA PAVEMENT AND BASE AGGREGATE TO BE REMOVED AS NEEDED AND PAID FOR AS EXCAVATION COMMON.

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

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

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

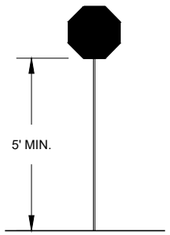
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

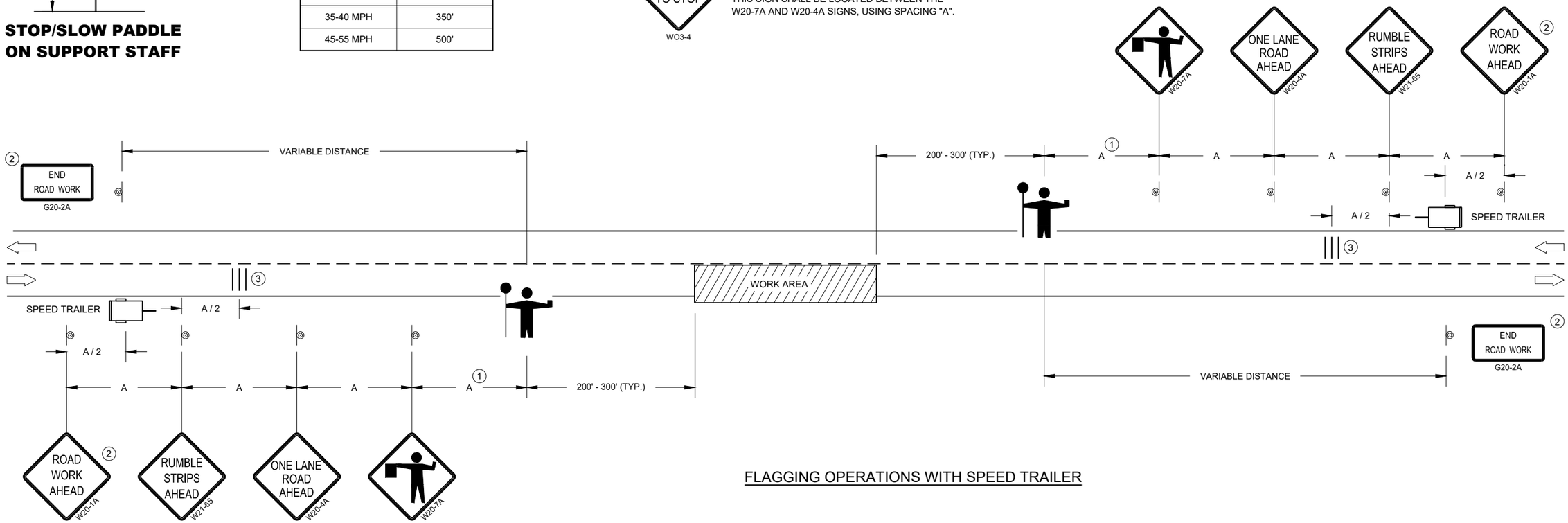


STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

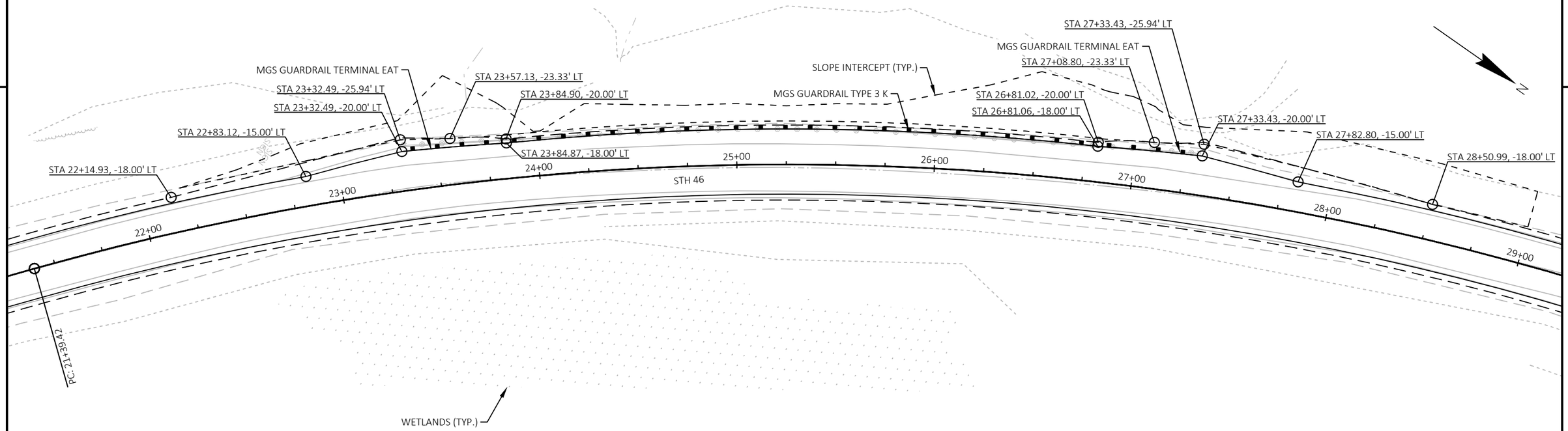
SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'

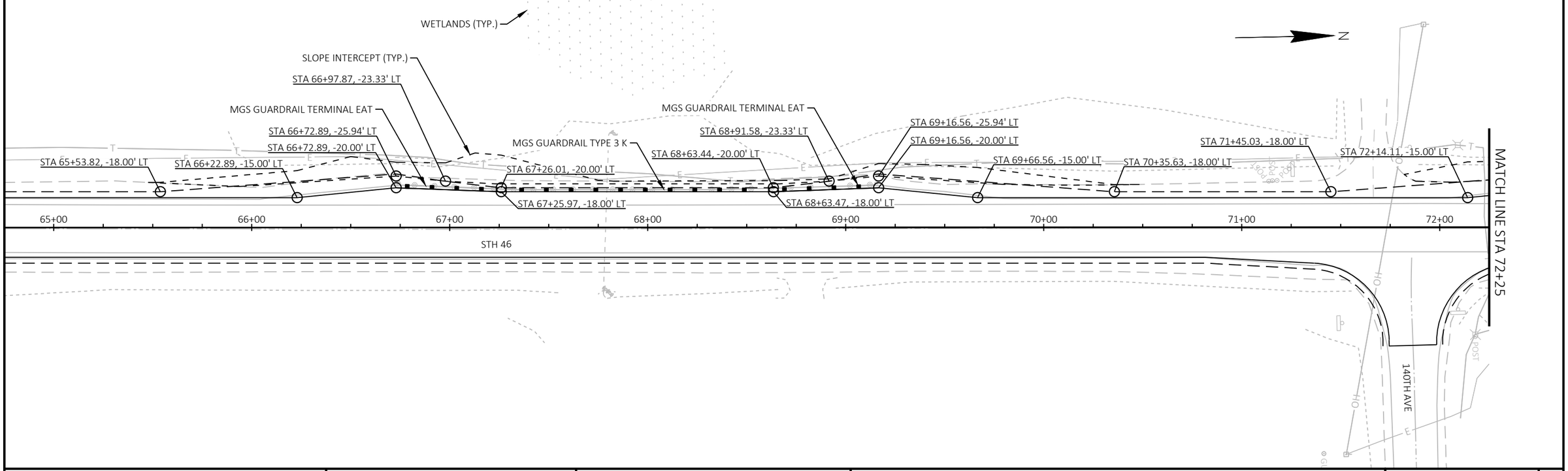
USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



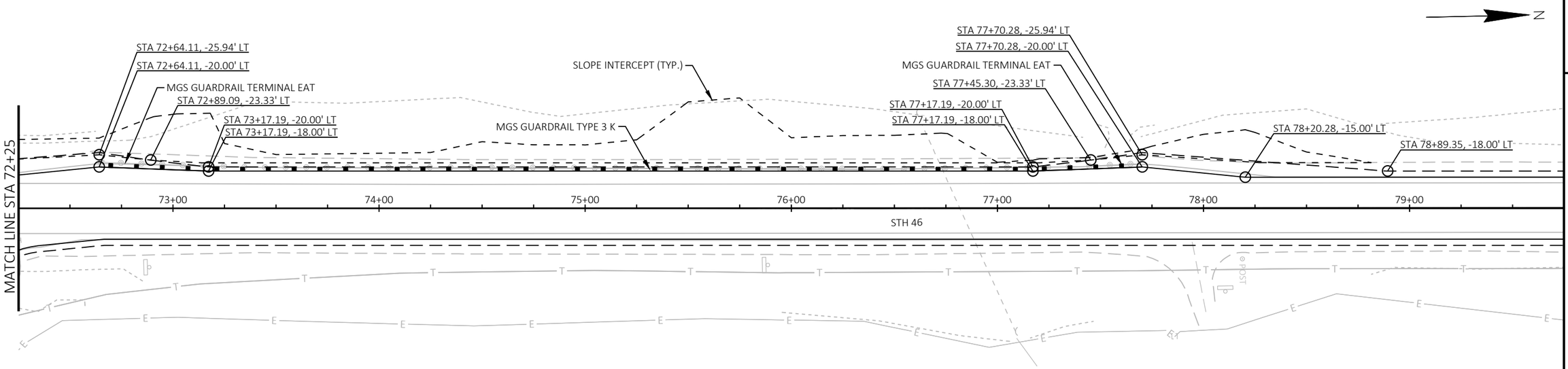
FLAGGING OPERATIONS WITH SPEED TRAILER

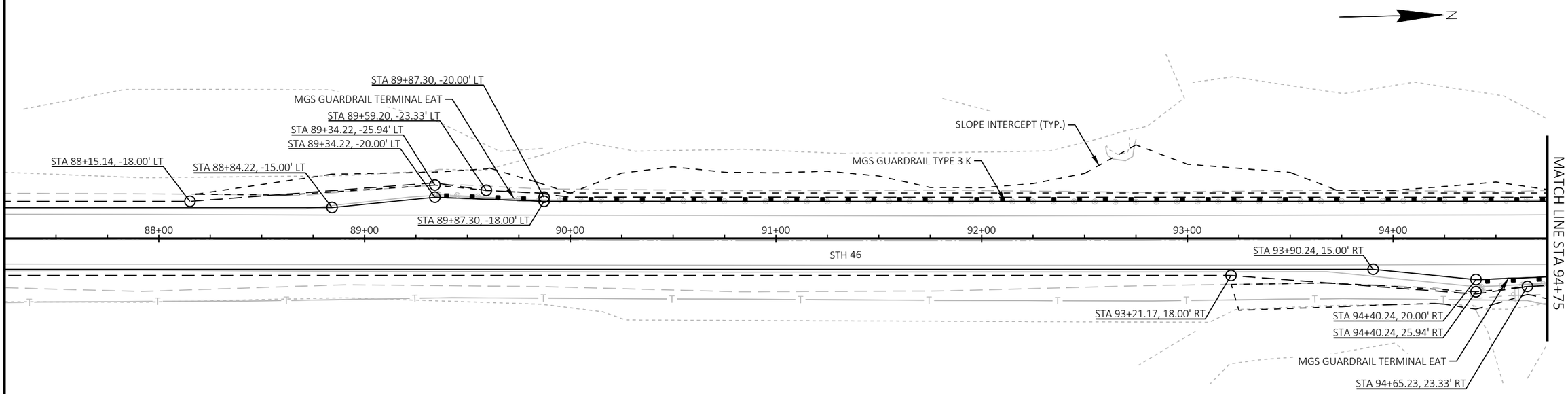
2



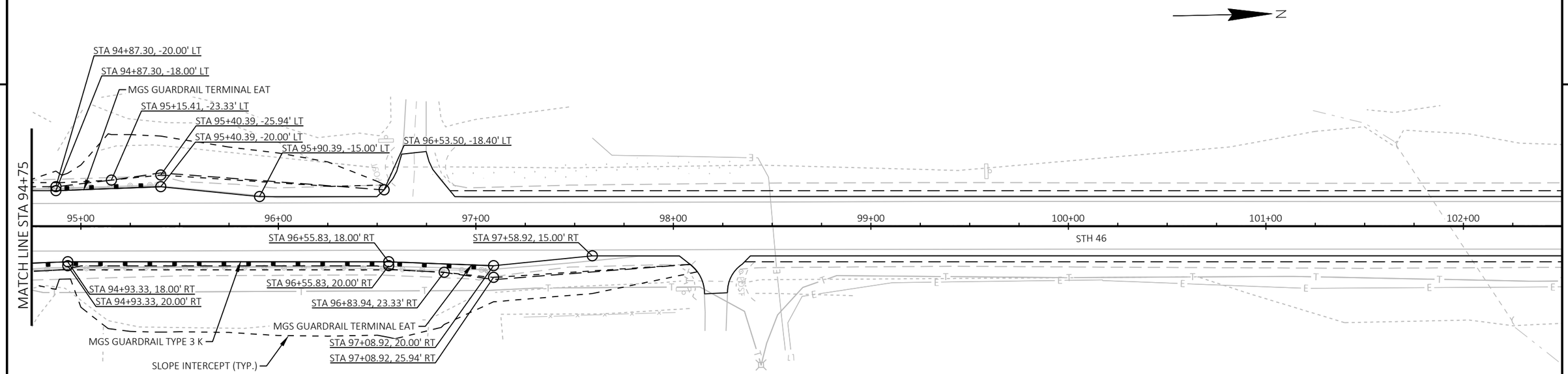


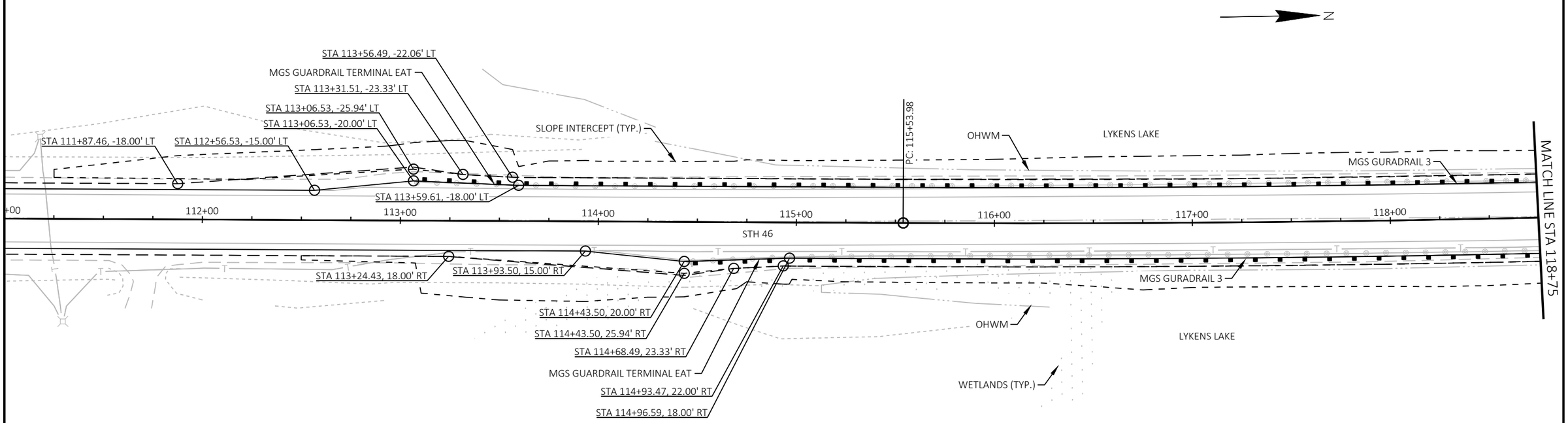
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 18	E





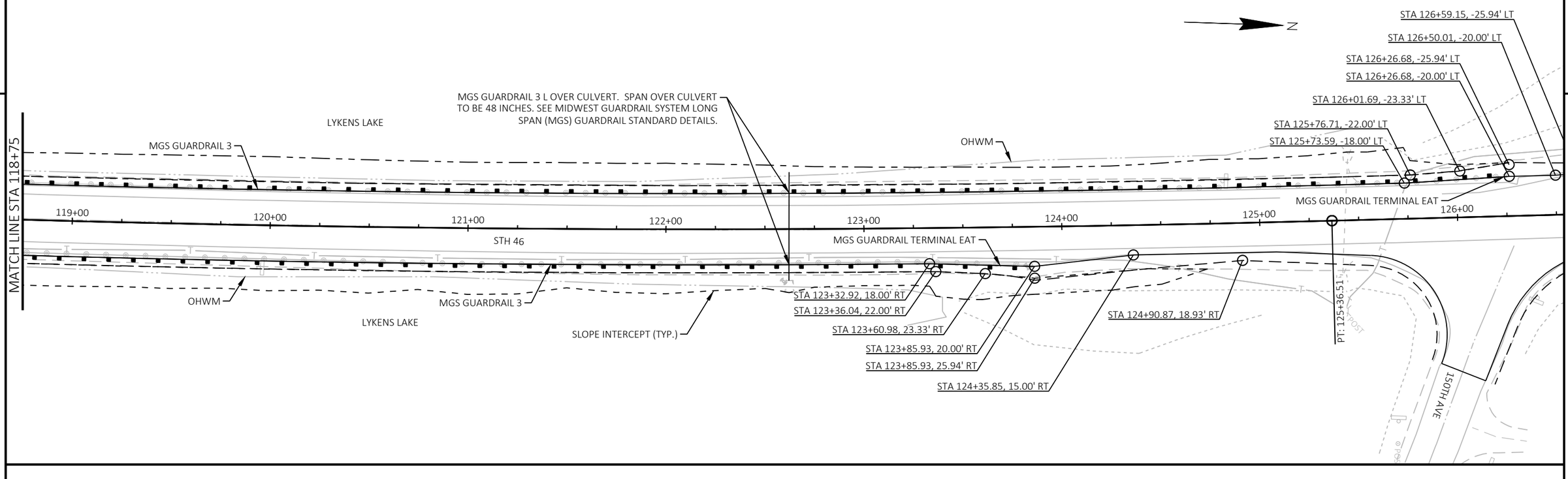
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 19	E





PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 20	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 03
PLOT DATE : 10/21/2025 2:38 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

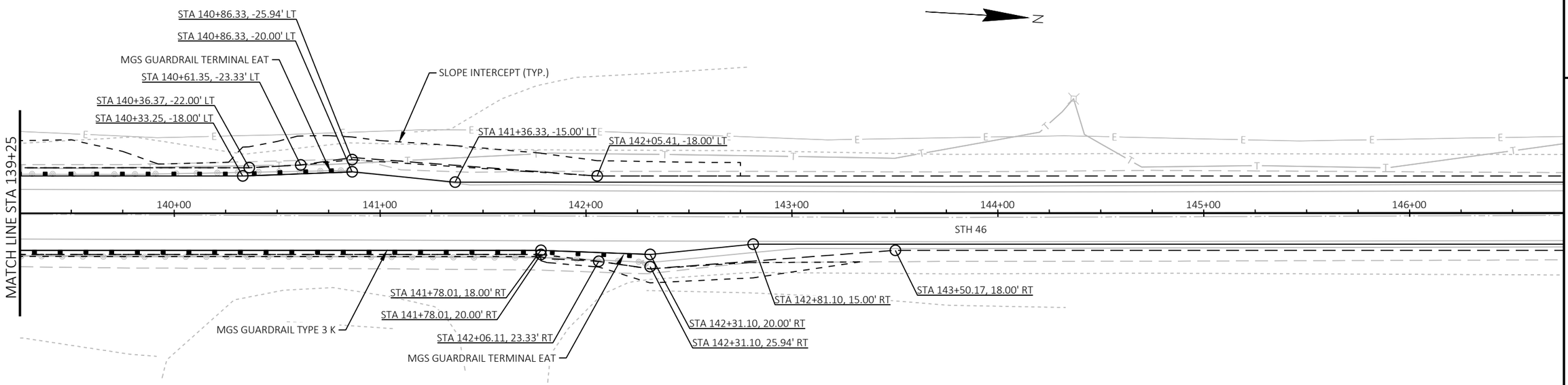


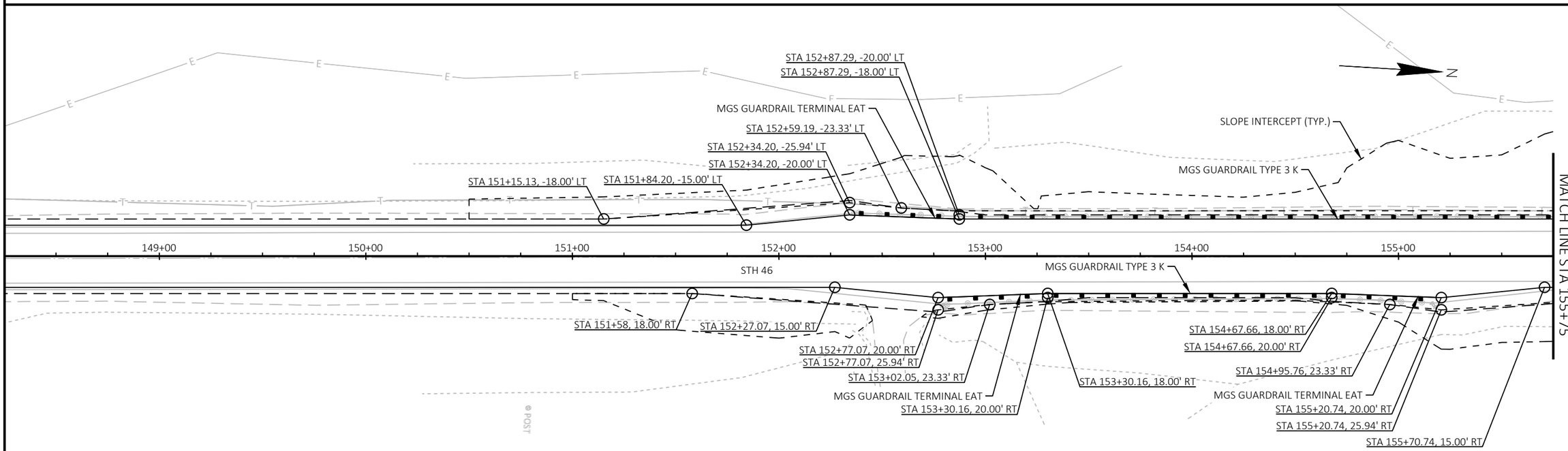
2

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 21	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 04
PLOT DATE : 10/21/2025 2:38 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

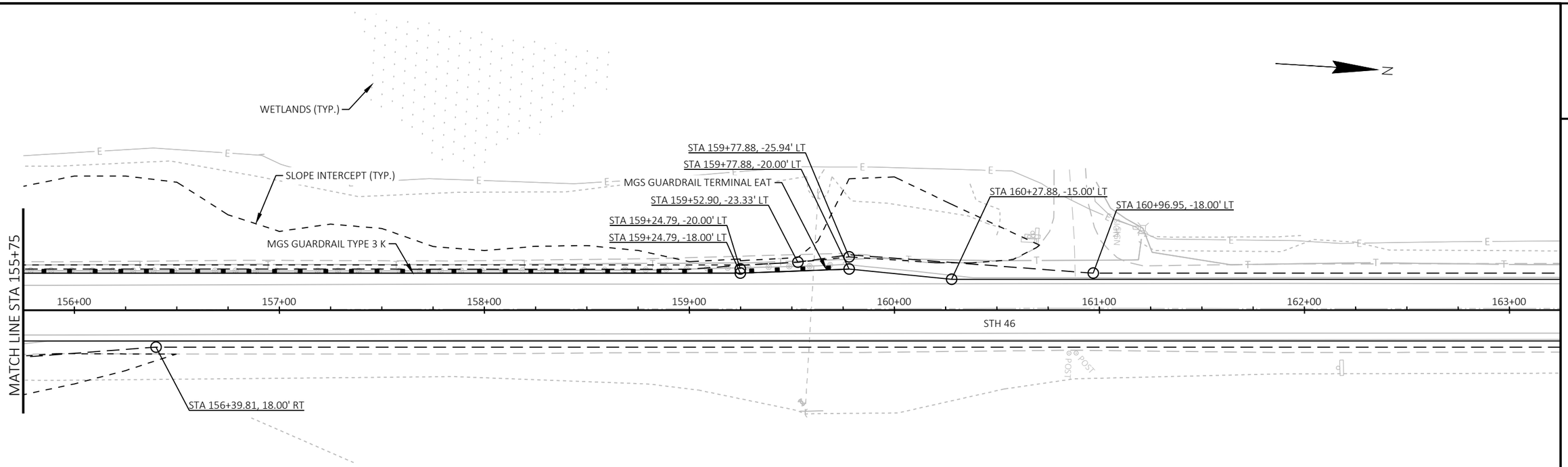
2

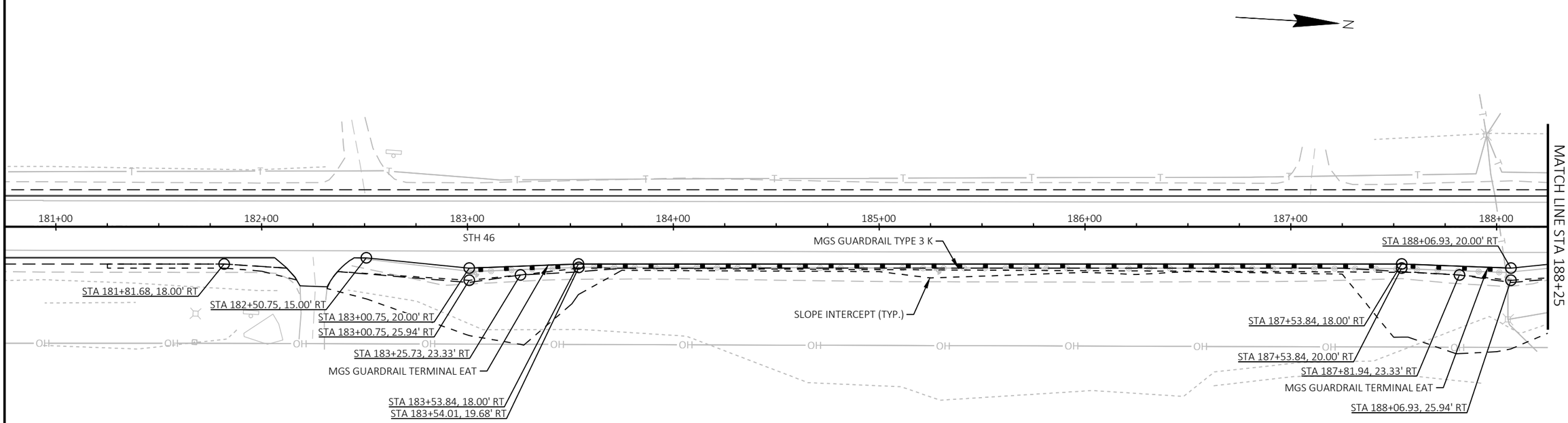




PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 22	E

2

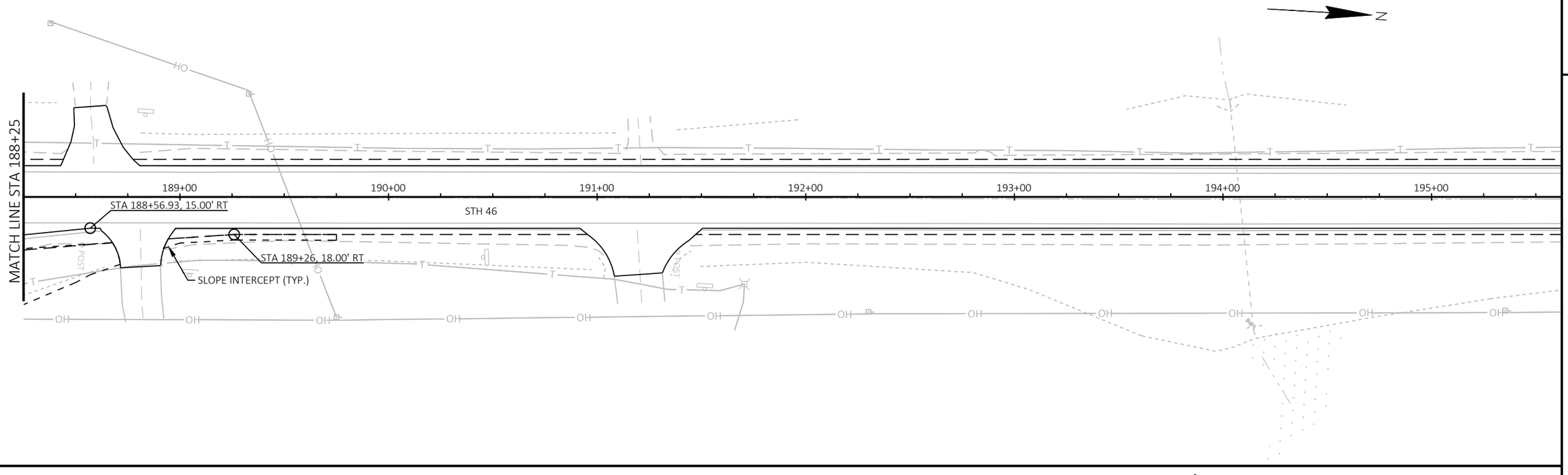


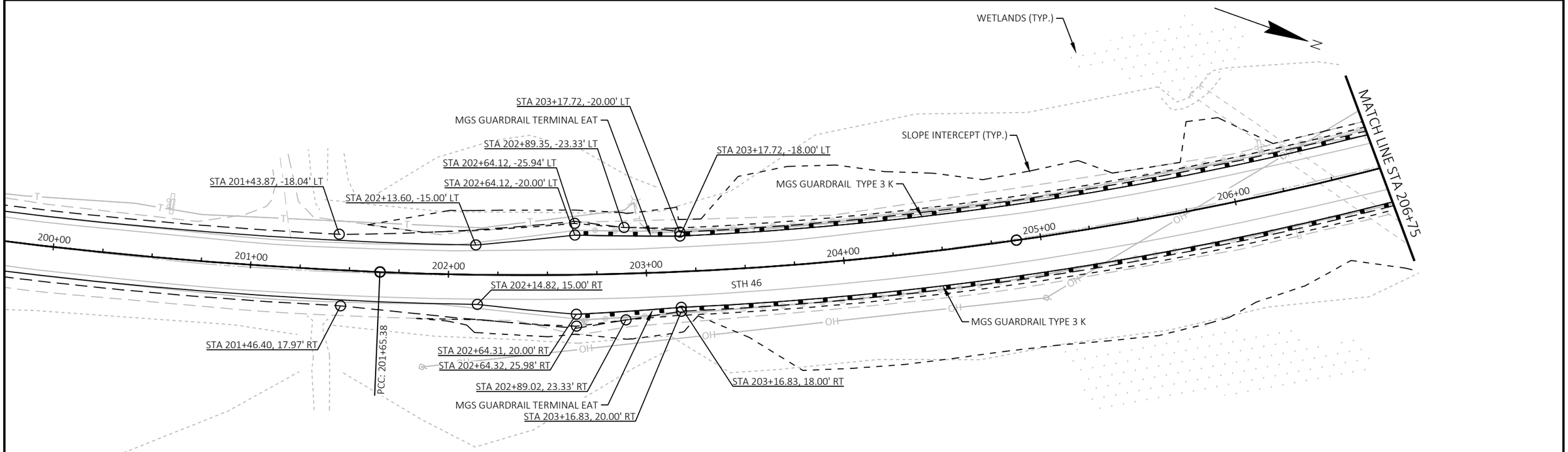


PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 23	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 06
PLOT DATE : 10/21/2025 2:39 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

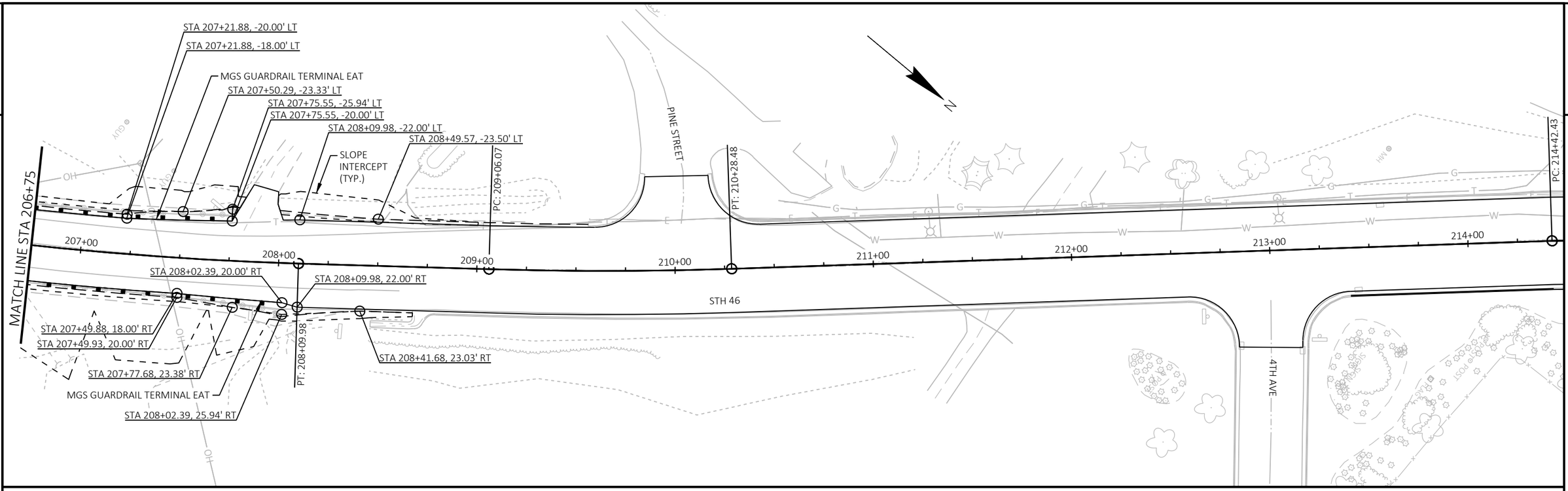
2

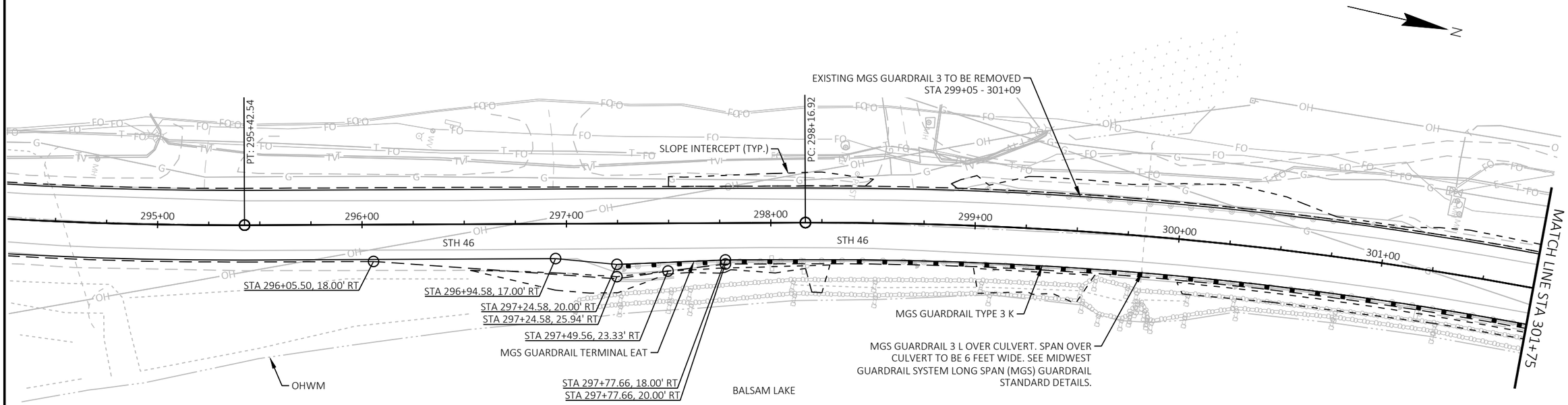




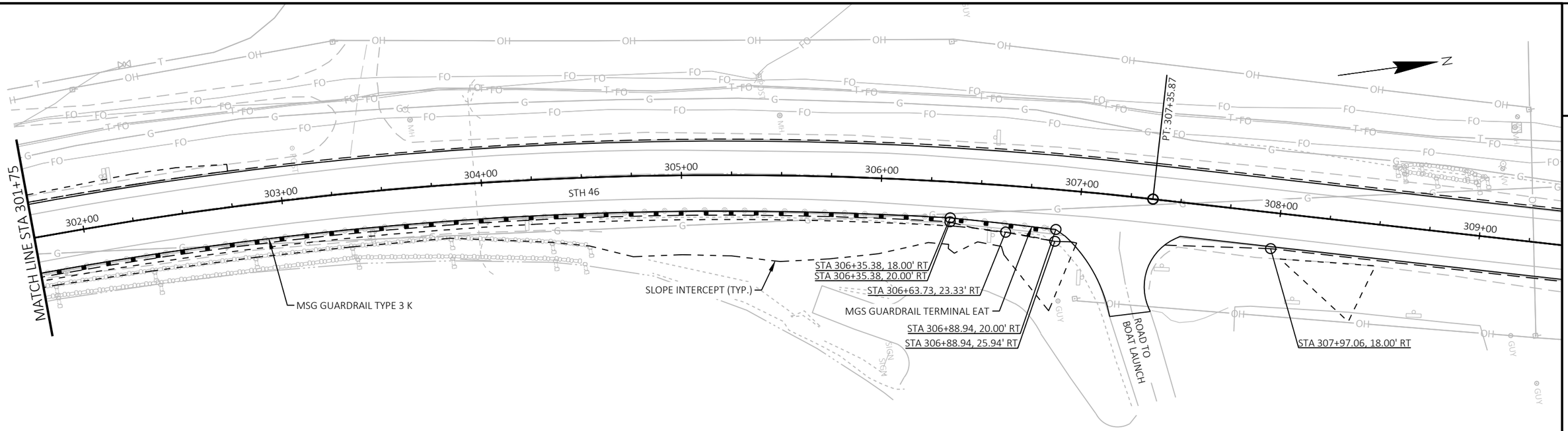
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 24	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 07
PLOT DATE : 10/21/2025 2:40 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44





PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 25	E

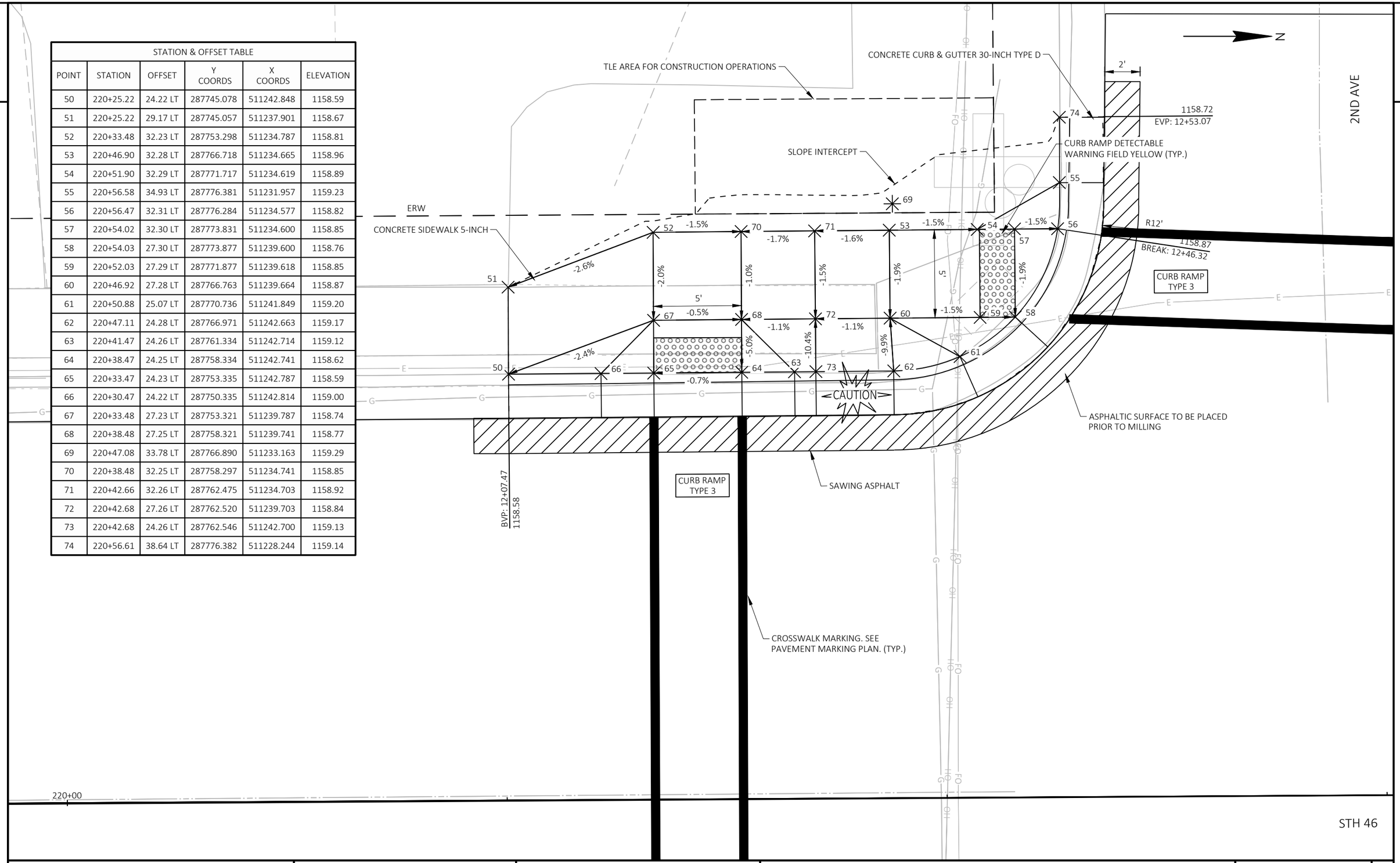


2

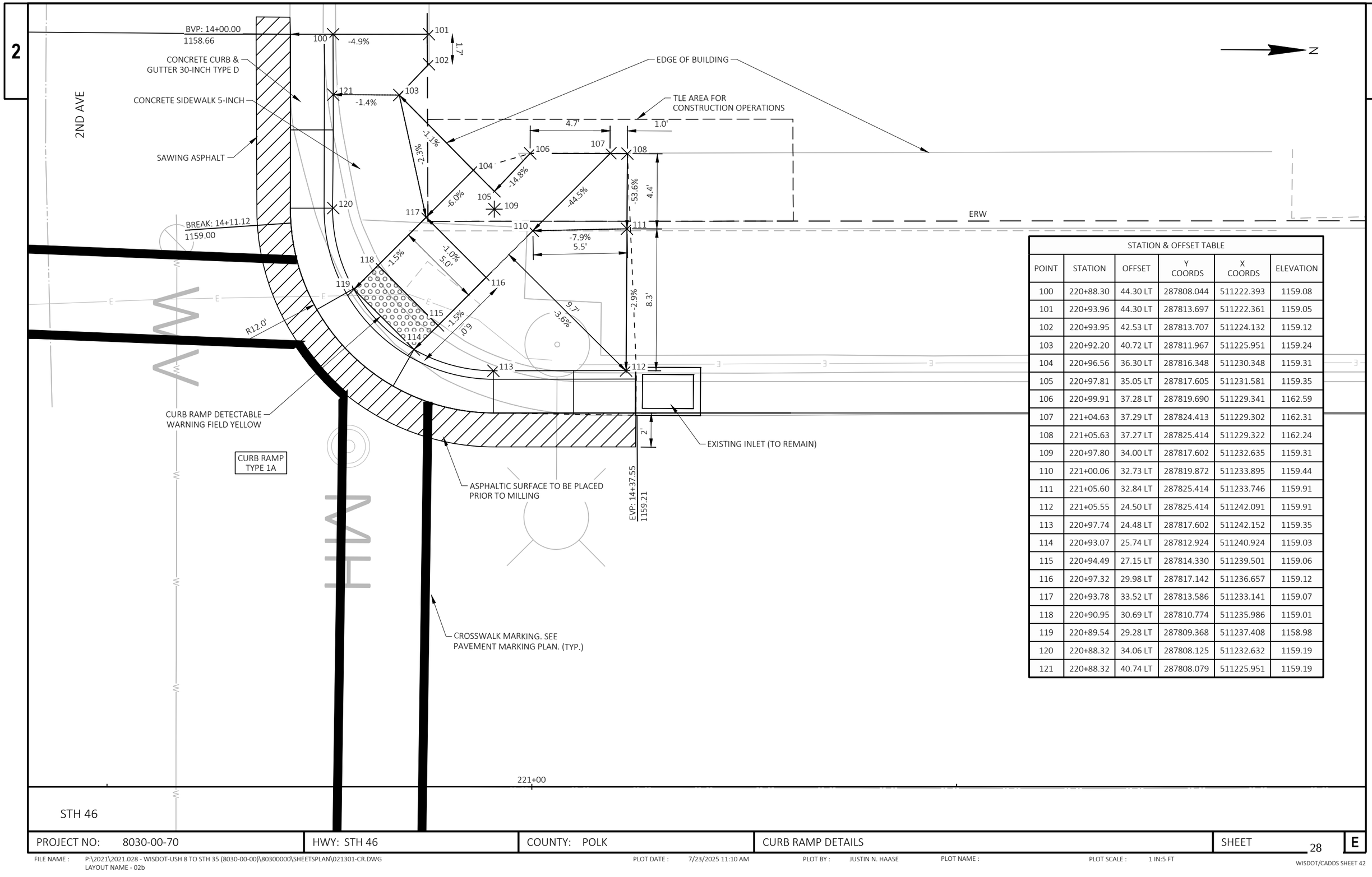
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN DETAIL: GUARDRAIL LAYOUT	SHEET 26	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 09
PLOT DATE : 10/21/2025 2:41 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 44

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
50	220+25.22	24.22 LT	287745.078	511242.848	1158.59
51	220+25.22	29.17 LT	287745.057	511237.901	1158.67
52	220+33.48	32.23 LT	287753.298	511234.787	1158.81
53	220+46.90	32.28 LT	287766.718	511234.665	1158.96
54	220+51.90	32.29 LT	287771.717	511234.619	1158.89
55	220+56.58	34.93 LT	287776.381	511231.957	1159.23
56	220+56.47	32.31 LT	287776.284	511234.577	1158.82
57	220+54.02	32.30 LT	287773.831	511234.600	1158.85
58	220+54.03	27.30 LT	287773.877	511239.600	1158.76
59	220+52.03	27.29 LT	287771.877	511239.618	1158.85
60	220+46.92	27.28 LT	287766.763	511239.664	1158.87
61	220+50.88	25.07 LT	287770.736	511241.849	1159.20
62	220+47.11	24.28 LT	287766.971	511242.663	1159.17
63	220+41.47	24.26 LT	287761.334	511242.714	1159.12
64	220+38.47	24.25 LT	287758.334	511242.741	1158.62
65	220+33.47	24.23 LT	287753.335	511242.787	1158.59
66	220+30.47	24.22 LT	287750.335	511242.814	1159.00
67	220+33.48	27.23 LT	287753.321	511239.787	1158.74
68	220+38.48	27.25 LT	287758.321	511239.741	1158.77
69	220+47.08	33.78 LT	287766.890	511233.163	1159.29
70	220+38.48	32.25 LT	287758.297	511234.741	1158.85
71	220+42.66	32.26 LT	287762.475	511234.703	1158.92
72	220+42.68	27.26 LT	287762.520	511239.703	1158.84
73	220+42.68	24.26 LT	287762.546	511242.700	1159.13
74	220+56.61	38.64 LT	287776.382	511228.244	1159.14



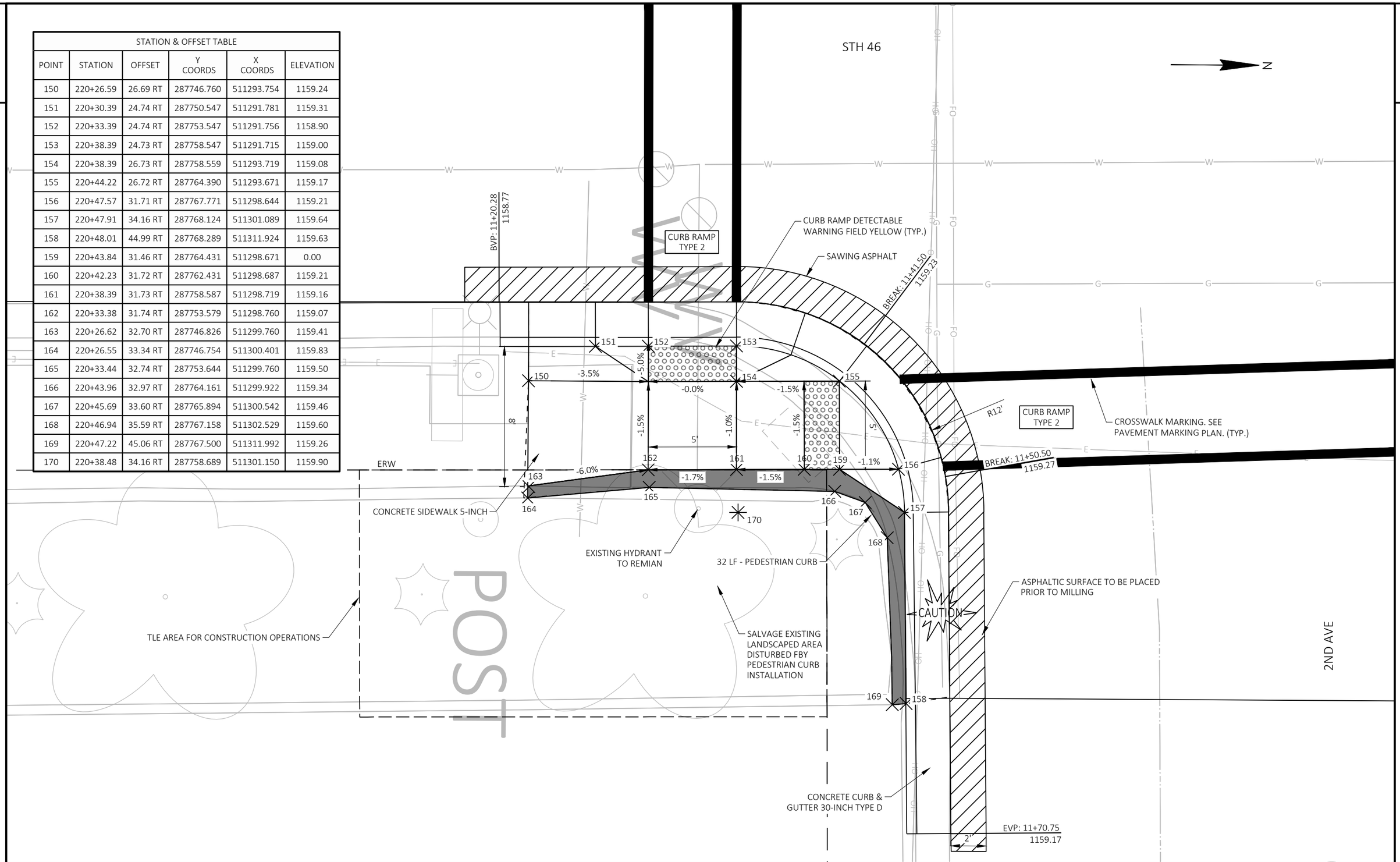
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 27	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
100	220+88.30	44.30 LT	287808.044	511222.393	1159.08
101	220+93.96	44.30 LT	287813.697	511222.361	1159.05
102	220+93.95	42.53 LT	287813.707	511224.132	1159.12
103	220+92.20	40.72 LT	287811.967	511225.951	1159.24
104	220+96.56	36.30 LT	287816.348	511230.348	1159.31
105	220+97.81	35.05 LT	287817.605	511231.581	1159.35
106	220+99.91	37.28 LT	287819.690	511229.341	1162.59
107	221+04.63	37.29 LT	287824.413	511229.302	1162.31
108	221+05.63	37.27 LT	287825.414	511229.322	1162.24
109	220+97.80	34.00 LT	287817.602	511232.635	1159.31
110	221+00.06	32.73 LT	287819.872	511233.895	1159.44
111	221+05.60	32.84 LT	287825.414	511233.746	1159.91
112	221+05.55	24.50 LT	287825.414	511242.091	1159.91
113	220+97.74	24.48 LT	287817.602	511242.152	1159.35
114	220+93.07	25.74 LT	287812.924	511240.924	1159.03
115	220+94.49	27.15 LT	287814.330	511239.501	1159.06
116	220+97.32	29.98 LT	287817.142	511236.657	1159.12
117	220+93.78	33.52 LT	287813.586	511233.141	1159.07
118	220+90.95	30.69 LT	287810.774	511235.986	1159.01
119	220+89.54	29.28 LT	287809.368	511237.408	1158.98
120	220+88.32	34.06 LT	287808.125	511232.632	1159.19
121	220+88.32	40.74 LT	287808.079	511225.951	1159.19

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 28	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
150	220+26.59	26.69 RT	287746.760	511293.754	1159.24
151	220+30.39	24.74 RT	287750.547	511291.781	1159.31
152	220+33.39	24.74 RT	287753.547	511291.756	1158.90
153	220+38.39	24.73 RT	287758.547	511291.715	1159.00
154	220+38.39	26.73 RT	287758.559	511293.719	1159.08
155	220+44.22	26.72 RT	287764.390	511293.671	1159.17
156	220+47.57	31.71 RT	287767.771	511298.644	1159.21
157	220+47.91	34.16 RT	287768.124	511301.089	1159.64
158	220+48.01	44.99 RT	287768.289	511311.924	1159.63
159	220+43.84	31.46 RT	287764.431	511298.671	0.00
160	220+42.23	31.72 RT	287762.431	511298.687	1159.21
161	220+38.39	31.73 RT	287758.587	511298.719	1159.16
162	220+33.38	31.74 RT	287753.579	511298.760	1159.07
163	220+26.62	32.70 RT	287746.826	511299.760	1159.41
164	220+26.55	33.34 RT	287746.754	511300.401	1159.83
165	220+33.44	32.74 RT	287753.644	511299.760	1159.50
166	220+43.96	32.97 RT	287764.161	511299.922	1159.34
167	220+45.69	33.60 RT	287765.894	511300.542	1159.46
168	220+46.94	35.59 RT	287767.158	511302.529	1159.60
169	220+47.22	45.06 RT	287767.500	511311.992	1159.26
170	220+38.48	34.16 RT	287758.689	511301.150	1159.90



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 29	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 02c
PLOT DATE : 7/23/2025 11:11 AM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

STH 46

221+00

N

CROSSWALK MARKING. SEE PAVEMENT MARKING PLAN. (TYP.)

CURB RAMP TYPE 1A

ASPHALTIC SURFACE TO BE PLACED PRIOR TO MILLING

SAWING ASPHALT

CURB RAMP DETECTABLE WARNING FIELD YELLOW

1159.13
BREAK: 13+25.00

EVP: 13+38.00
1159.19

CAUTION

CONCRETE CURB & GUTTER 30-INCH TYPE D

212

209

208

-1.0%

6'

R16'

202

207

203

5'

-1.3%

-1.6%

-8.0%

-8.2%

210

7.8'

-1.9%

-1.3%

8.4'

201

213

204

205

206

211

ERW

TLE AREA FOR CONSTRUCTION OPERATIONS

8.0'

-0.2%

EDGE OF BUILDING

CONCRETE SIDEWALK 5-INCH

1158.52
BVP: 13+05.62

200

-0.4%

6.2'

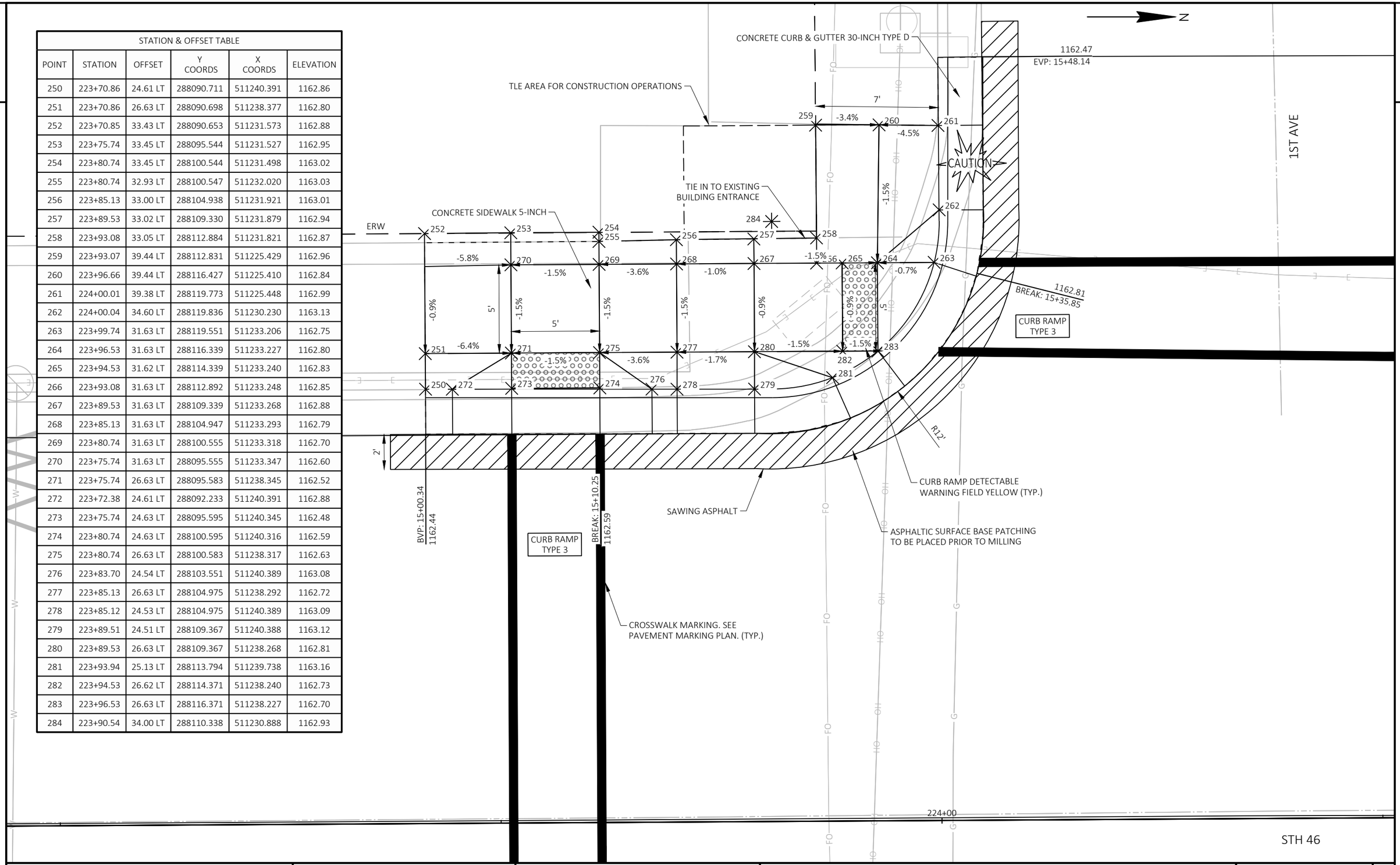
2'

2ND AVE

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
200	220+87.39	39.28 RT	287807.626	511305.976	1158.94
201	220+87.43	31.96 RT	287807.626	511298.652	1158.88
202	220+88.17	28.75 RT	287808.348	511295.442	1158.83
203	220+89.58	30.17 RT	287809.766	511296.852	1158.86
204	220+92.40	33.00 RT	287812.604	511299.671	1158.91
205	220+93.63	34.24 RT	287813.838	511300.898	1158.94
206	220+99.36	32.91 RT	287819.563	511299.539	1159.37
207	220+95.95	29.48 RT	287816.128	511296.125	1158.98
208	220+93.13	26.64 RT	287813.291	511293.305	1159.02
209	220+91.72	25.22 RT	287811.872	511291.895	1159.04
210	221+00.07	31.10 RT	287820.265	511297.717	1159.35
211	221+04.37	32.88 RT	287824.572	511299.477	1159.72
212	221+04.32	24.50 RT	287824.473	511291.096	1159.61
213	220+94.92	31.99 RT	287815.117	511298.645	1159.05

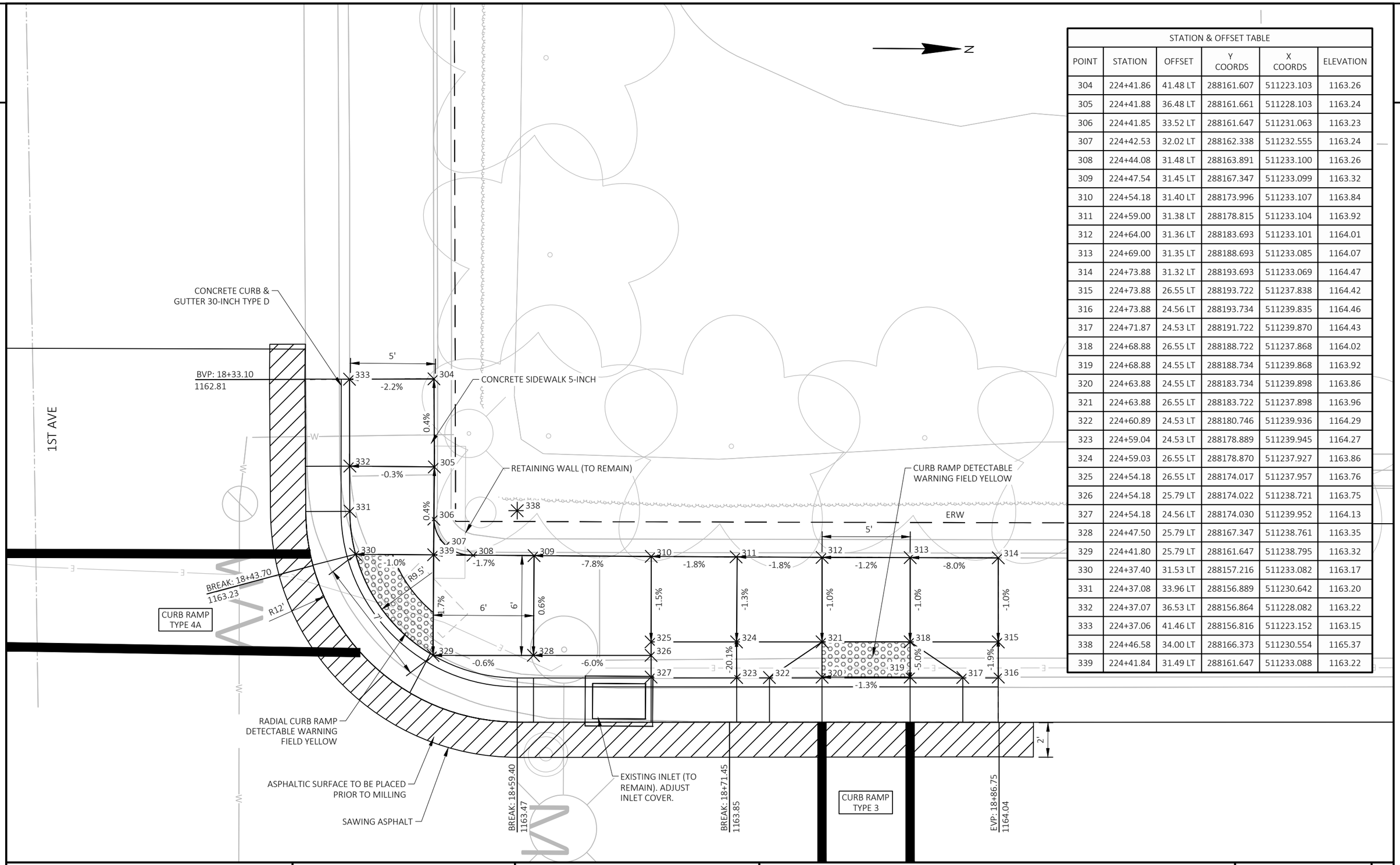
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 30	E

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
250	223+70.86	24.61 LT	288090.711	511240.391	1162.86
251	223+70.86	26.63 LT	288090.698	511238.377	1162.80
252	223+70.85	33.43 LT	288090.653	511231.573	1162.88
253	223+75.74	33.45 LT	288095.544	511231.527	1162.95
254	223+80.74	33.45 LT	288100.544	511231.498	1163.02
255	223+80.74	32.93 LT	288100.547	511232.020	1163.03
256	223+85.13	33.00 LT	288104.938	511231.921	1163.01
257	223+89.53	33.02 LT	288109.330	511231.879	1162.94
258	223+93.08	33.05 LT	288112.884	511231.821	1162.87
259	223+93.07	39.44 LT	288112.831	511225.429	1162.96
260	223+96.66	39.44 LT	288116.427	511225.410	1162.84
261	224+00.01	39.38 LT	288119.773	511225.448	1162.99
262	224+00.04	34.60 LT	288119.836	511230.230	1163.13
263	223+99.74	31.63 LT	288119.551	511233.206	1162.75
264	223+96.53	31.63 LT	288116.339	511233.227	1162.80
265	223+94.53	31.62 LT	288114.339	511233.240	1162.83
266	223+93.08	31.63 LT	288112.892	511233.248	1162.85
267	223+89.53	31.63 LT	288109.339	511233.268	1162.88
268	223+85.13	31.63 LT	288104.947	511233.293	1162.79
269	223+80.74	31.63 LT	288100.555	511233.318	1162.70
270	223+75.74	31.63 LT	288095.555	511233.347	1162.60
271	223+75.74	26.63 LT	288095.583	511238.345	1162.52
272	223+72.38	24.61 LT	288092.233	511240.391	1162.88
273	223+75.74	24.63 LT	288095.595	511240.345	1162.48
274	223+80.74	24.63 LT	288100.595	511240.316	1162.59
275	223+80.74	26.63 LT	288100.583	511238.317	1162.63
276	223+83.70	24.54 LT	288103.551	511240.389	1163.08
277	223+85.13	26.63 LT	288104.975	511238.292	1162.72
278	223+85.12	24.53 LT	288104.975	511240.389	1163.09
279	223+89.51	24.51 LT	288109.367	511240.388	1163.12
280	223+89.53	26.63 LT	288109.367	511238.268	1162.81
281	223+93.94	25.13 LT	288113.794	511239.738	1163.16
282	223+94.53	26.62 LT	288114.371	511238.240	1162.73
283	223+96.53	26.63 LT	288116.371	511238.227	1162.70
284	223+90.54	34.00 LT	288110.338	511230.888	1162.93



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 31	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 03a
PLOT DATE : 7/23/2025 11:11 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
304	224+41.86	41.48 LT	288161.607	511223.103	1163.26
305	224+41.88	36.48 LT	288161.661	511228.103	1163.24
306	224+41.85	33.52 LT	288161.647	511231.063	1163.23
307	224+42.53	32.02 LT	288162.338	511232.555	1163.24
308	224+44.08	31.48 LT	288163.891	511233.100	1163.26
309	224+47.54	31.45 LT	288167.347	511233.099	1163.32
310	224+54.18	31.40 LT	288173.996	511233.107	1163.84
311	224+59.00	31.38 LT	288178.815	511233.104	1163.92
312	224+64.00	31.36 LT	288183.693	511233.101	1164.01
313	224+69.00	31.35 LT	288188.693	511233.085	1164.07
314	224+73.88	31.32 LT	288193.693	511233.069	1164.47
315	224+73.88	26.55 LT	288193.722	511237.838	1164.42
316	224+73.88	24.56 LT	288193.734	511239.835	1164.46
317	224+71.87	24.53 LT	288191.722	511239.870	1164.43
318	224+68.88	26.55 LT	288188.722	511237.868	1164.02
319	224+68.88	24.55 LT	288188.734	511239.868	1163.92
320	224+63.88	24.55 LT	288183.734	511239.898	1163.86
321	224+63.88	26.55 LT	288183.722	511237.898	1163.96
322	224+60.89	24.53 LT	288180.746	511239.936	1164.29
323	224+59.04	24.53 LT	288178.889	511239.945	1164.27
324	224+59.03	26.55 LT	288178.870	511237.927	1163.86
325	224+54.18	26.55 LT	288174.017	511237.957	1163.76
326	224+54.18	25.79 LT	288174.022	511238.721	1163.75
327	224+54.18	24.56 LT	288174.030	511239.952	1164.13
328	224+47.50	25.79 LT	288167.347	511238.761	1163.35
329	224+41.80	25.79 LT	288161.647	511238.795	1163.32
330	224+37.40	31.53 LT	288157.216	511233.082	1163.17
331	224+37.08	33.96 LT	288156.889	511230.642	1163.20
332	224+37.07	36.53 LT	288156.864	511228.082	1163.22
333	224+37.06	41.46 LT	288156.816	511223.152	1163.15
338	224+46.58	34.00 LT	288166.373	511230.554	1165.37
339	224+41.84	31.49 LT	288161.647	511233.088	1163.22

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 32	E

STH 46

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
350	223+69.69	31.68 RT	288089.878	511296.693	1163.66
351	223+69.68	31.00 RT	288089.870	511296.012	1162.84
352	223+69.68	24.50 RT	288089.824	511289.512	1162.70
353	223+75.68	24.50 RT	288095.831	511289.476	1162.47
354	223+80.68	24.50 RT	288100.831	511289.446	1162.57
355	223+87.19	24.50 RT	288107.339	511289.407	1163.30
356	223+92.19	25.55 RT	288111.710	511290.163	1163.11
358	223+97.04	31.55 RT	288117.472	511297.607	1163.27
359	223+97.01	36.03 RT	288117.229	511300.875	1163.52
360	223+97.06	41.49 RT	288117.272	511303.271	1163.50
367	223+93.35	36.05 RT	288113.566	511300.924	1163.50
368	223+93.23	36.20 RT	288113.574	511302.797	1163.54
369	223+92.20	31.56 RT	288109.350	511295.903	1163.16
370	223+94.95	31.56 RT	288112.784	511298.252	1163.35
372	223+92.20	27.88 RT	288110.959	511291.989	1163.12
373	223+87.19	31.56 RT	288107.381	511296.468	1163.14
375	223+80.68	26.50 RT	288100.842	511291.446	1162.60
376	223+75.68	26.50 RT	288095.842	511291.475	1162.50
377	223+75.68	31.00 RT	288095.864	511295.977	1162.58
378	223+80.68	31.00 RT	288100.862	511295.947	1162.67
379	223+80.68	31.61 RT	288100.864	511296.552	1163.61
381	223+87.19	30.94 RT	288107.377	511295.848	1163.37

NOTE:
1. CONTRACTOR TO COORDINATE WITH BUSINESS OWNER PRIOR TO POURING NEW SIDEWALK.

224+00

N

CROSSWALK MARKING. SEE PAVEMENT MARKING PLAN. (TYP.)

CURB RAMP DETECTABLE WARNING FIELD YELLOW

SAWING ASPHALT

CONCRETE CURB & GUTTER 30-INCH TYPE D

ASPHALTIC SURFACE TO BE PLACED PRIOR TO MILLING

CURB RAMP TYPE 3

BVP: 16+08.56
1162.19

BREAK: 16+12.94
1162.28

BREAK: 16+18.94
1162.52

BREAK: 16+23.94
1162.62

BREAK: 16+36.76
1163.14

RADIAL CURB RAMP DETECTABLE WARNING FIELD YELLOW

CURB RAMP TYPE 1A

BREAK: 16+46.84
1163.24

EVP: 16+53.99
1163.08

2%

5.0'

4.4'

4.4'

6.5'

-2.1%

-1.7%

4.5'

-1.5%

1.8%

-0.9%

-3.2%

-4.4%

-1.7%

-8.0%

1.3%

1.8%

-6.5%

-0.5%

-0.4%

-1.1%

4'

352 353 354 355 356 376 375 372 351 350 377 378 379 381 373 369 370 358 367 359 368 360

17 LF - PEDESTRIAN CURB

CONCRETE SIDEWALK 5-INCH

TLE AREA FOR CONSTRUCTION OPERATIONS

CAUTION

EXISTING INLET (TO REMAIN)

1ST AVE

ERW

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 33	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 03c

PLOT DATE : 7/23/2025 11:12 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:5 FT

224+50

STH 46

N

USINESS
VALK.

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
400	224+39.46	31.50 RT	288159.644	511296.095	1163.95
401	224+47.30	25.24 RT	288167.455	511289.785	1164.01
402	224+53.90	24.50 RT	288174.043	511289.009	1164.55
403	224+53.90	25.24 RT	288174.047	511289.745	1164.10
404	224+53.90	26.42 RT	288174.054	511290.930	1164.12
405	224+58.90	26.42 RT	288179.054	511290.900	1164.18
406	224+63.89	26.43 RT	288184.042	511290.880	1164.27
407	224+61.03	24.50 RT	288181.175	511288.967	1164.63

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
408	224+63.89	24.43 RT	288184.030	511288.880	1164.18
409	224+68.89	24.43 RT	288189.030	511288.850	1164.20
410	224+68.89	26.43 RT	288189.042	511290.850	1164.32
411	224+71.74	24.50 RT	288191.885	511288.903	1164.70
412	224+73.87	24.41 RT	288194.018	511288.799	1164.62
413	224+73.87	26.43 RT	288194.030	511290.820	1164.54
414	224+79.65	24.50 RT	288199.794	511288.856	1164.26
415	224+87.58	24.47 RT	288207.726	511288.779	1164.38

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
416	224+87.80	31.41 RT	288207.989	511295.717	1164.68
417	224+73.87	31.52 RT	288194.061	511295.912	1164.47
418	224+68.87	31.48 RT	288189.061	511295.897	1164.42
419	224+63.89	31.43 RT	288184.073	511295.882	0.00
420	224+58.90	31.40 RT	288179.085	511295.883	0.00
421	224+53.90	31.42 RT	288174.085	511295.930	1164.21
422	224+47.30	31.46 RT	288167.492	511296.006	1164.14
423	224+51.67	39.00 RT	288171.898	511303.521	1164.45

ASPHALTIC SURFACE TO BE PLACED PRIOR TO MILLING

EXISTING INLET (TO REMAIN). ADJUST INLET COVER.

BREAK: 17+25.00 1164.06

BREAK: 17+42.24 1164.24

BREAK: 17+47.24 1164.26

CURB RAMP TYPE 3

SAWING ASPHALT

EVP: 17+66.35 1164.36

CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW

CROSSWALK MARKING. SEE PAVEMENT MARKING PLAN. (TYP.)

CONCRETE CURB & GUTTER 30-INCH TYPE D

CURB RAMP TYPE 4A

R17'

R15'

10'

RADIAL CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW

1163.97
BVP: 17+06.87

EXISTING INLET (TO REMAIN)

1ST AVE

400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423

-2.4% 8' | -1.1% 7' | -2.1% | -1.7% 9' | -0.9% 5' | -1.5% 5' | -2.0% 5' | -1.5% | -1.1% | -1.9% | -1.6% | -0.9% | -1.9% | -1.2% | -1.1% 5' | -4.4% | -1.5%

CONCRETE SIDEWALK 5-INCH

ERW

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 34	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 03d

PLOT DATE : 7/23/2025 11:12 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

N

5.5'

2'

456 -1.9% 457

1163.58

EVP: 19+51.86

COURTHOUSE AVE

MOVING SIGNS

-0.6%

-1.2%

-3.0%

458

TLE AREA FOR CONSTRUCTION OPERATIONS

EDGE OF BUILDING

7.0'

-3.5%

455

450

459

ERW

465

-2.3%

-1.0%

6.5'

-1.9%

-0.6%

452

-5.1%

-1.0%

5'

451

453

454

-1.4%

10'

-1.0%

460

-0.1%

-0.9%

-6.5%

7.4'

CURB RAMP DETECTABLE
WARNING FIELD YELLOW

461

464

-0.9%

462

463

CURB RAMP
TYPE 1A

R12'

BREAK: 19+29.01

1163.86

BVP: 19+06.61

1164.07

SAWING ASPHALT

CONCRETE SIDEWALK 5-INCH

CONCRETE CURB & GUTTER 30-INCH TYPE D

ASPHALTIC SURFACE TO BE PLACED
PRIOR TO MILLING

CROSSWALK MARKING. SEE
PAVEMENT MARKING PLAN. (TYP.)

STH 46

227+00

STATION & OFFSET TABLE

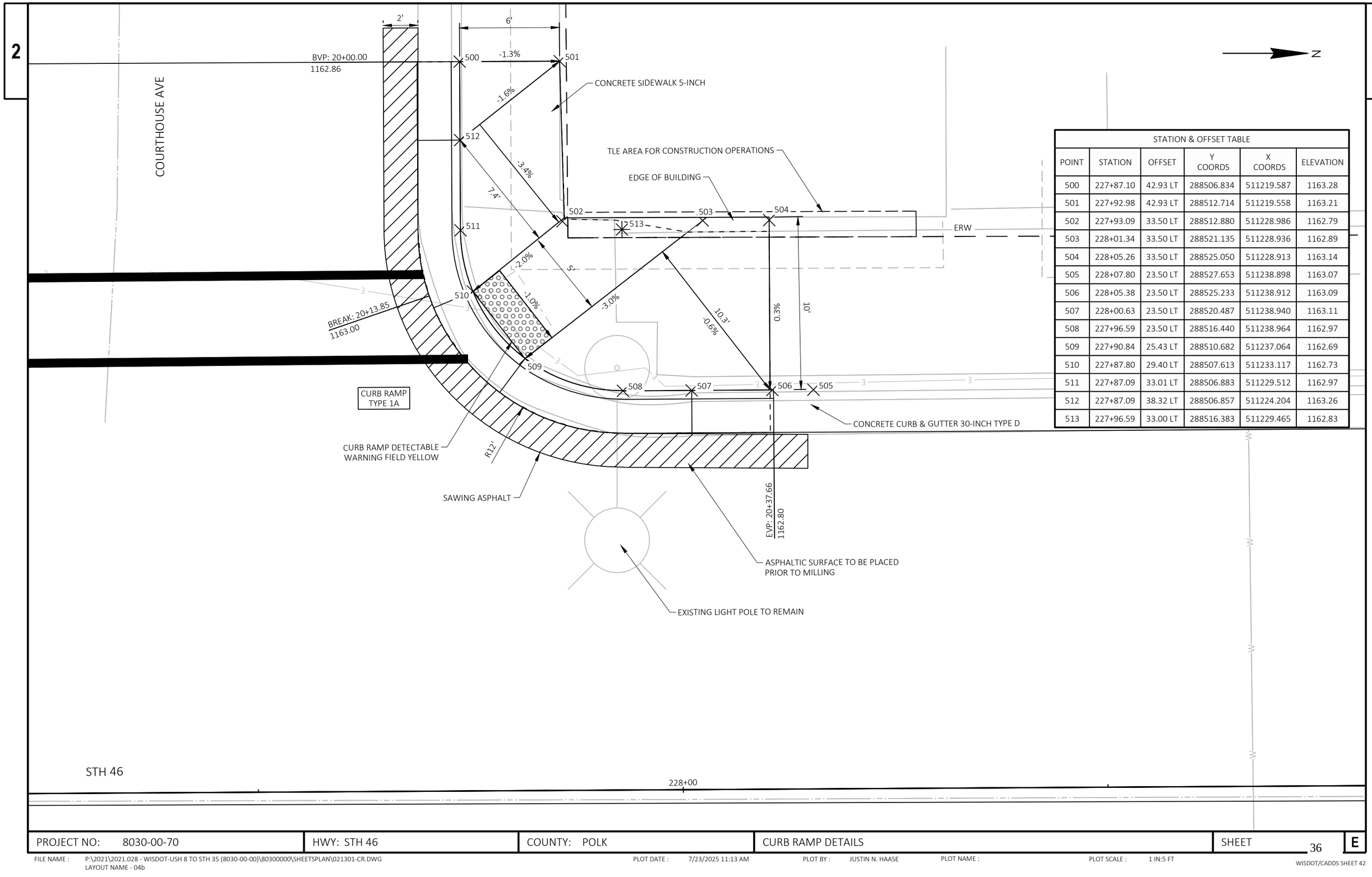
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
450	227+23.20	33.57 LT	288442.993	511229.335	1164.57
451	227+23.20	31.08 LT	288443.011	511231.822	1164.49
452	227+26.60	31.05 LT	288446.405	511231.837	1164.47
453	227+38.16	30.93 LT	288457.972	511231.888	1163.89
454	227+39.68	30.91 LT	288459.490	511231.895	1163.87
455	227+43.62	33.55 LT	288463.411	511229.233	1163.82
456	227+43.65	42.77 LT	288463.387	511220.015	1164.10
457	227+49.10	42.76 LT	288468.835	511219.988	1164.00
458	227+49.09	37.99 LT	288468.859	511224.762	1164.06
459	227+49.09	32.99 LT	288468.884	511229.758	1163.89
460	227+48.14	28.87 LT	288467.964	511233.882	1163.70
461	227+44.65	24.96 LT	288464.499	511237.810	1163.80
462	227+39.59	23.50 LT	288459.440	511239.305	1164.12
463	227+35.27	23.50 LT	288455.125	511239.330	1164.33
464	227+23.20	23.57 LT	288443.052	511239.335	1164.39
465	227+39.59	33.00 LT	288459.384	511229.805	1164.28

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 35	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 04a

PLOT DATE : 7/23/2025 11:12 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42

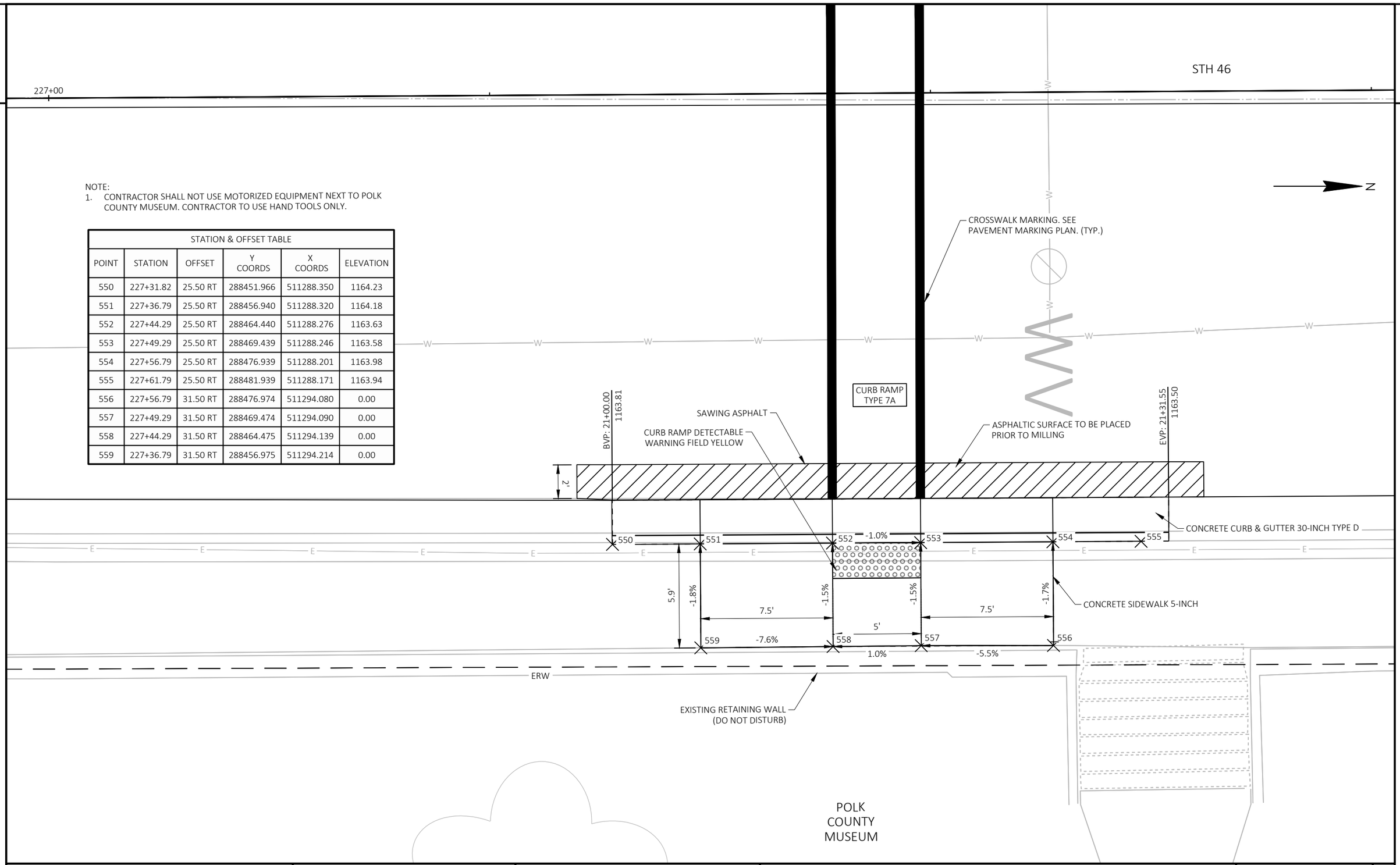


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
500	227+87.10	42.93 LT	288506.834	511219.587	1163.28
501	227+92.98	42.93 LT	288512.714	511219.558	1163.21
502	227+93.09	33.50 LT	288512.880	511228.986	1162.79
503	228+01.34	33.50 LT	288521.135	511228.936	1162.89
504	228+05.26	33.50 LT	288525.050	511228.913	1163.14
505	228+07.80	23.50 LT	288527.653	511238.898	1163.07
506	228+05.38	23.50 LT	288525.233	511238.912	1163.09
507	228+00.63	23.50 LT	288520.487	511238.940	1163.11
508	227+96.59	23.50 LT	288516.440	511238.964	1162.97
509	227+90.84	25.43 LT	288510.682	511237.064	1162.69
510	227+87.80	29.40 LT	288507.613	511233.117	1162.73
511	227+87.09	33.01 LT	288506.883	511229.512	1162.97
512	227+87.09	38.32 LT	288506.857	511224.204	1163.26
513	227+96.59	33.00 LT	288516.383	511229.465	1162.83

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 36	E

NOTE:
1. CONTRACTOR SHALL NOT USE MOTORIZED EQUIPMENT NEXT TO POLK COUNTY MUSEUM. CONTRACTOR TO USE HAND TOOLS ONLY.

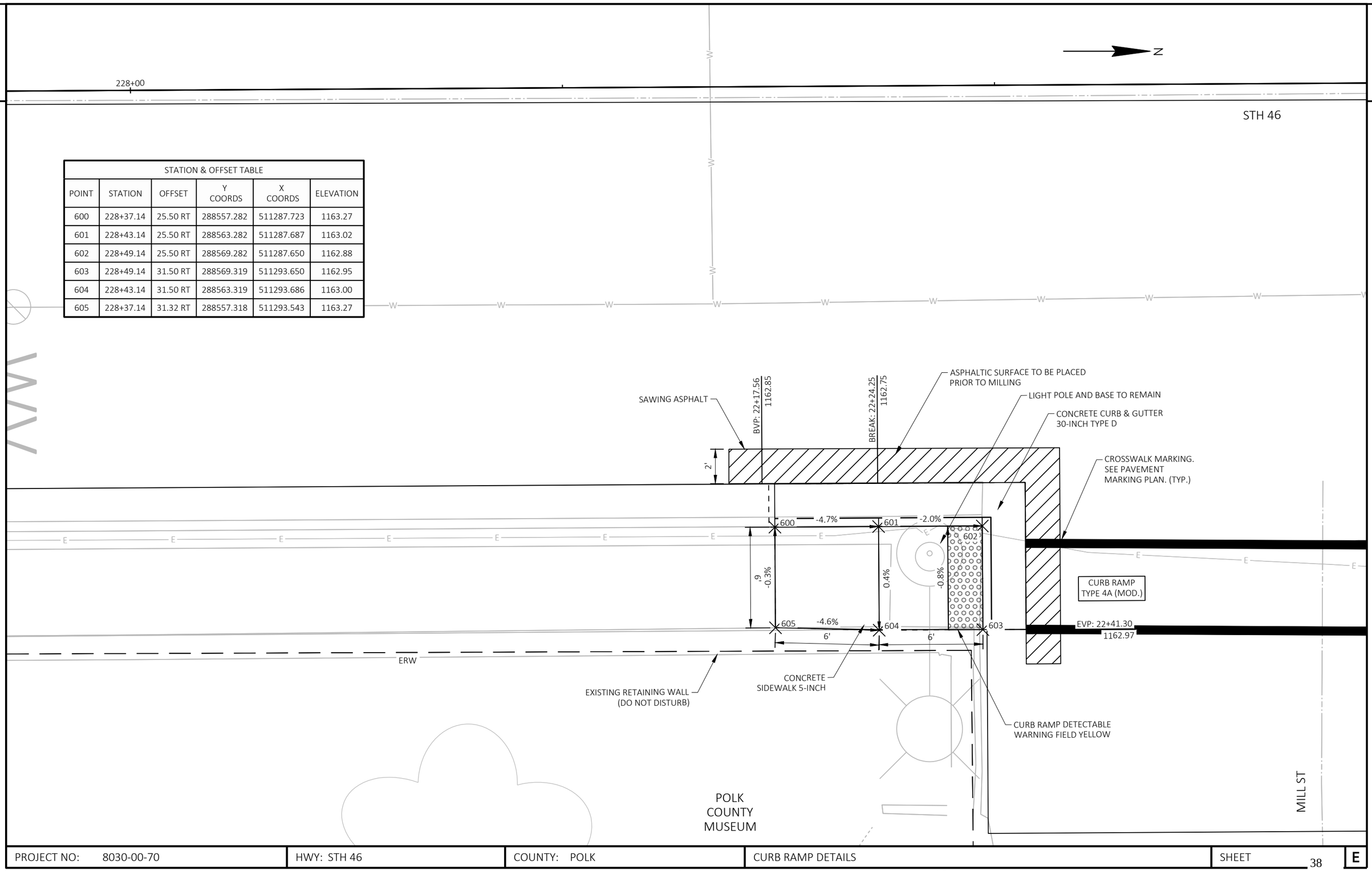
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
550	227+31.82	25.50 RT	288451.966	511288.350	1164.23
551	227+36.79	25.50 RT	288456.940	511288.320	1164.18
552	227+44.29	25.50 RT	288464.440	511288.276	1163.63
553	227+49.29	25.50 RT	288469.439	511288.246	1163.58
554	227+56.79	25.50 RT	288476.939	511288.201	1163.98
555	227+61.79	25.50 RT	288481.939	511288.171	1163.94
556	227+56.79	31.50 RT	288476.974	511294.080	0.00
557	227+49.29	31.50 RT	288469.474	511294.090	0.00
558	227+44.29	31.50 RT	288464.475	511294.139	0.00
559	227+36.79	31.50 RT	288456.975	511294.214	0.00



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 37	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 04c
PLOT DATE : 7/23/2025 11:13 AM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
600	228+37.14	25.50 RT	288557.282	511287.723	1163.27
601	228+43.14	25.50 RT	288563.282	511287.687	1163.02
602	228+49.14	25.50 RT	288569.282	511287.650	1162.88
603	228+49.14	31.50 RT	288569.319	511293.650	1162.95
604	228+43.14	31.50 RT	288563.319	511293.686	1163.00
605	228+37.14	31.32 RT	288557.318	511293.543	1163.27



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 38	E

STH 46

229+00

PC: 229+18.73

N

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
650	228+85.86	43.48 RT	288606.110	511305.412	1163.68
651	228+85.86	39.38 RT	288606.086	511301.315	1163.48
652	228+85.86	33.47 RT	288606.051	511295.401	1163.06
653	228+85.94	31.89 RT	288606.126	511293.818	1162.92
654	228+88.29	27.47 RT	288608.445	511289.389	1162.83
655	228+90.85	25.93 RT	288610.992	511287.835	1163.20
656	228+93.59	30.29 RT	288613.761	511292.172	1162.94
657	228+91.24	34.70 RT	288611.441	511296.602	1163.02
658	228+91.17	39.39 RT	288611.396	511301.284	1163.38
659	228+91.11	43.43 RT	288611.357	511305.330	1163.35
660	228+93.36	33.00 RT	288613.548	511294.886	1163.14

ASPHALTIC SURFACE TO BE PLACED PRIOR TO MILLING

SAWING ASPHALT

EVP: 23+32.03
1162.39

2'

1162.89
BREAK: 23+19.01

R10'

CURB RAMP DETECTABLE WARNING FIELD YELLOW

655

654

6'

SLOPE INTERCEPT

-1.8%

656

CURB RAMP TYPE 1A (MOD.)

1162.98
BREAK: 23+12.22

653

5'

-1.7%

ERW

660

CONCRETE SIDEWALK 5-INCH

652

-1.7%

657

CROSSWALK MARKING. SEE PAVEMENT MARKING PLAN. (TYP.)

-7.5%

7'

-7.7%

FEE AREA

1163.06
BREAK: 23+04.34

651

-1.7%

658

MILL ST

-5.0%

-0.8%

1163.27
BVP: 23+00.00

650

-6.3%

659

5'

CONCRETE CURB & GUTTER 30-INCH TYPE D

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 39	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 05b
PLOT DATE : 7/23/2025 11:14 AM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2

STH 46

N

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
750	234+39.88	53.21 LT	288839.172	510884.247	1153.25
751	234+39.93	48.16 LT	288844.224	510884.221	1153.15
752	234+42.81	40.70 LT	288851.692	510881.371	1152.73
753	234+40.03	40.66 LT	288851.723	510884.148	1153.01
754	234+40.08	35.66 LT	288856.723	510884.113	1152.45
755	234+40.91	30.67 LT	288861.715	510883.304	1152.38
756	234+41.05	30.17 LT	288862.213	510883.165	1152.43
757	234+42.53	27.56 LT	288864.831	510881.701	1152.73
758	234+52.74	22.47 LT	288869.964	510871.508	1152.65
759	234+54.49	22.49 LT	288869.951	510869.758	1153.12
760	234+42.86	30.69 LT	288861.708	510881.360	1152.49
761	234+42.83	35.68 LT	288856.712	510881.371	1152.53
762	234+47.84	30.72 LT	288861.692	510876.371	1152.75
763	234+47.83	35.72 LT	288856.692	510876.371	1153.31
764	234+47.81	40.72 LT	288851.692	510876.371	1152.81
765	234+44.90	48.23 LT	288844.172	510879.247	1153.18
766	234+44.81	53.23 LT	288839.172	510879.313	1153.28
767	234+45.40	48.24 LT	288844.165	510878.747	1153.11
768	234+48.31	40.73 LT	288851.685	510875.871	1153.11
769	234+48.36	30.23 LT	288862.187	510875.862	1153.11
770	234+52.48	34.85 LT	288857.581	510871.716	1153.72

EXISTING INLET (TO REMAIN)

1152.10
EVP: 0+49.08

2'

SAWING ASPHALT

ASPHALTIC SURFACE TO BE PLACED PRIOR TO MILLING

CROSSWALK MARKING. SEE PAVEMENT MARKING PLAN. (TYP.)

ERW

SLOPE INTERCEPT

R15'

7'

5'

CURB RAMP DETECTABLE WARNING FIELD YELLOW

CURB RAMP TYPE 4B (MOD.)

PEARL ST

759 758 757 762 769 760 756 755 770 763 754 752 753 764 768 767 765 751 766 750

-0.9% -3.0% -1.5% -4.0% -1.5% -5.2% -0.7% -2.0% -1.9% -0.7%

1152.54
BREAK: 0+20.53

25 LF - PEDESTRIAN CURB

FEE AREA

CONCRETE CURB & GUTTER 30-INCH TYPE D

1152.83
BVP: 0+05.35

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 40	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 06a

PLOT DATE : 5/21/2025 10:48 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:5 FT

2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
700	233+74.28	22.78 LT	288869.345	510949.969	1151.62
701	233+75.57	22.78 LT	288869.348	510948.674	1151.63
702	233+90.93	22.50 LT	288869.692	510933.317	1151.92
703	233+85.79	22.50 LT	288869.672	510938.453	1151.79
704	233+99.77	26.21 LT	288866.015	510924.463	1152.23
705	234+02.39	30.13 LT	288862.110	510921.825	1151.90
706	234+00.39	30.10 LT	288862.131	510923.830	1151.93
707	234+00.34	35.10 LT	288857.131	510923.861	1152.07
708	233+95.34	30.05 LT	288862.163	510928.880	1152.04
709	233+74.26	27.81 LT	288864.313	510949.965	1151.75
710	233+95.28	35.02 LT	288857.184	510928.917	1152.10
711	234+02.32	35.13 LT	288857.111	510921.878	1152.06
712	234+03.38	35.14 LT	288857.100	510920.817	1152.06
713	234+03.35	38.14 LT	288854.100	510920.840	1152.62
714	233+90.72	35.16 LT	288857.032	510933.479	1152.72

N

ASPHALTIC SURFACE TO BE PLACED PRIOR TO MILLING

EVP: 0+50.00
1151.36

2"

SAWING ASPHALT

ASPHALTIC SURFACE TO BE INSTALLED FROM BACK OF CURB TO PROPOSED SIDEWALK.

CROSSWALK MARKING. SEE PAVEMENT MARKING PLAN. (TYP.)

CURB RAMP DETECTABLE WARNING FIELD YELLOW

EXISTING HYDRANT TO REMIAN

MOVING SIGNS

CURB RAMP TYPE 4B (MOD.)

PEARL ST

-1.9%

-2.5%

-1.6%

-2.0%

-1.3%

2.0%

7'

5'

32 LF - PEDESTRIAN CURB TO TIE INTO EXISTING RETAINING WALL

HYDRANT WAS RELOCATED AFTER 2021 SURVEY

FEE AREA

1152.30
BVP: 0+14.42

ERW

CONCRETE CURB & GUTTER 30-INCH TYPE D

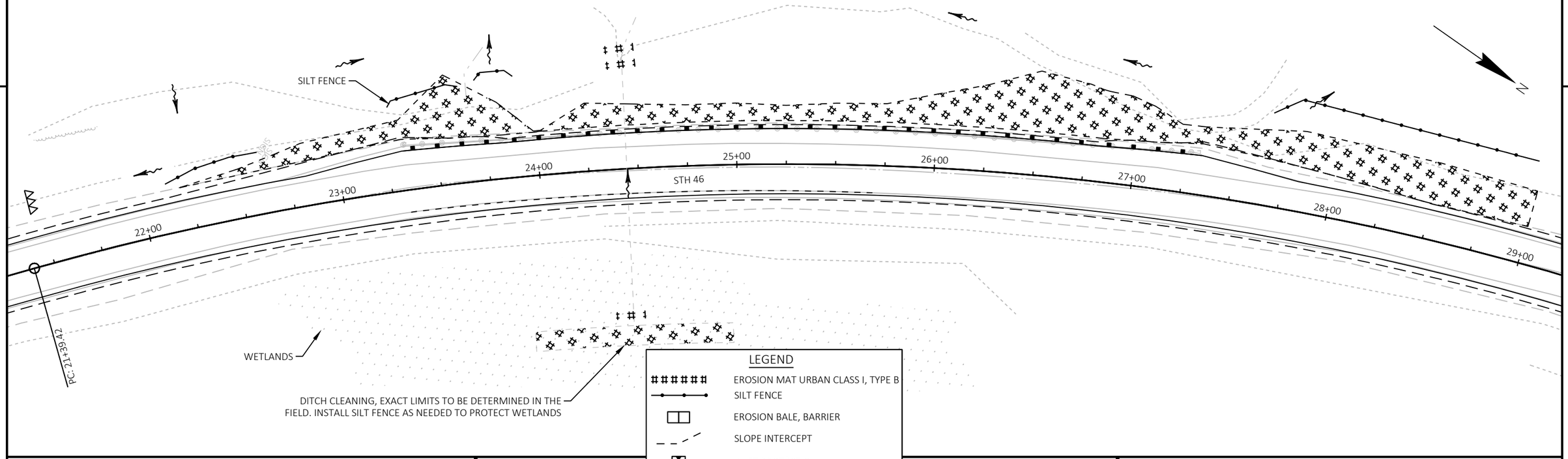
PE GRAVEL

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CURB RAMP DETAILS	SHEET 41	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 06b

PLOT DATE : 5/21/2025 10:55 AM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:5 FT

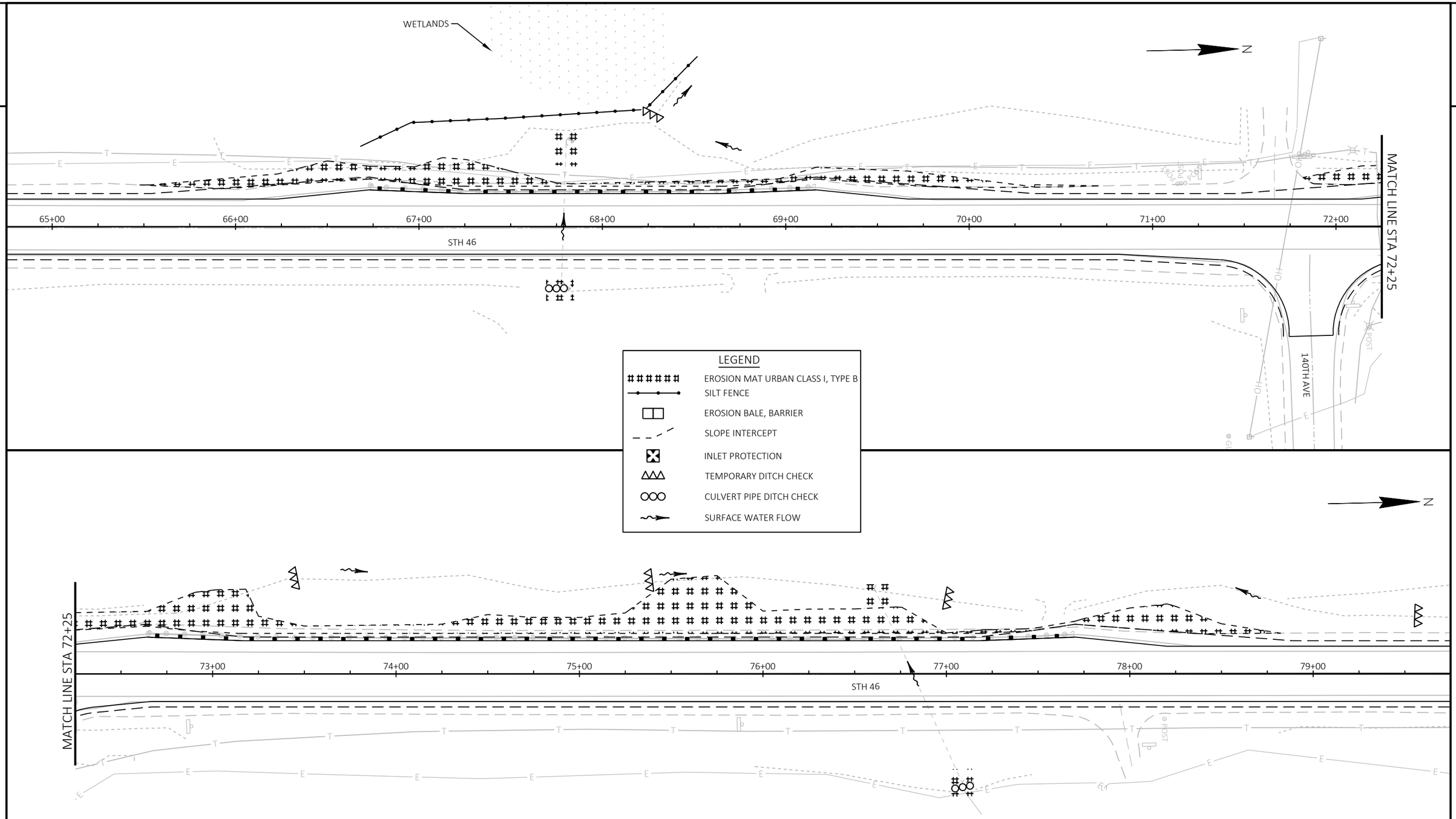
2



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 42	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 01
PLOT DATE : 10/21/2025 2:42 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

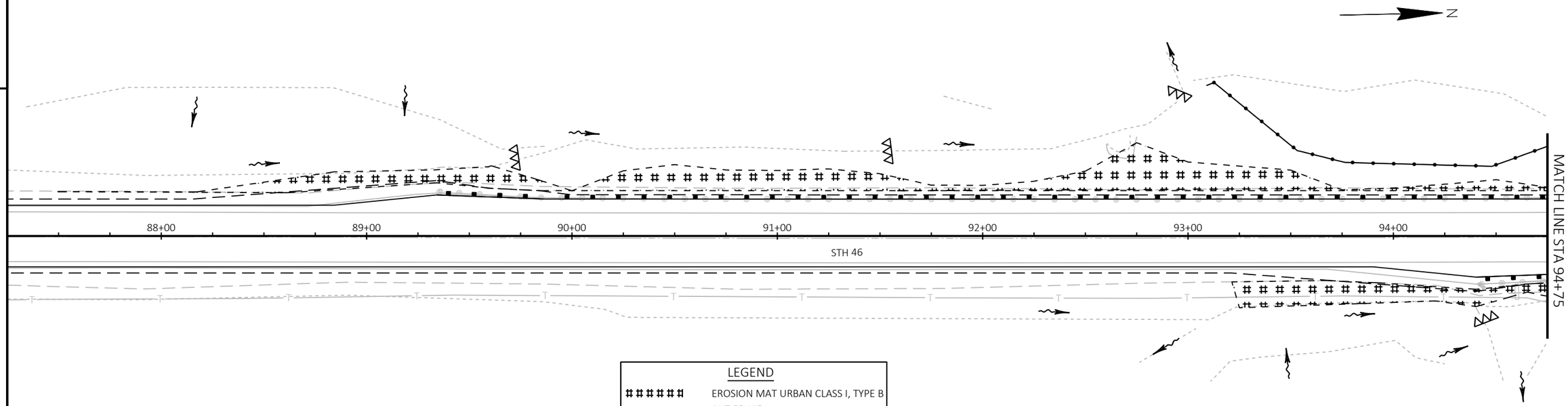
2



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 43	E

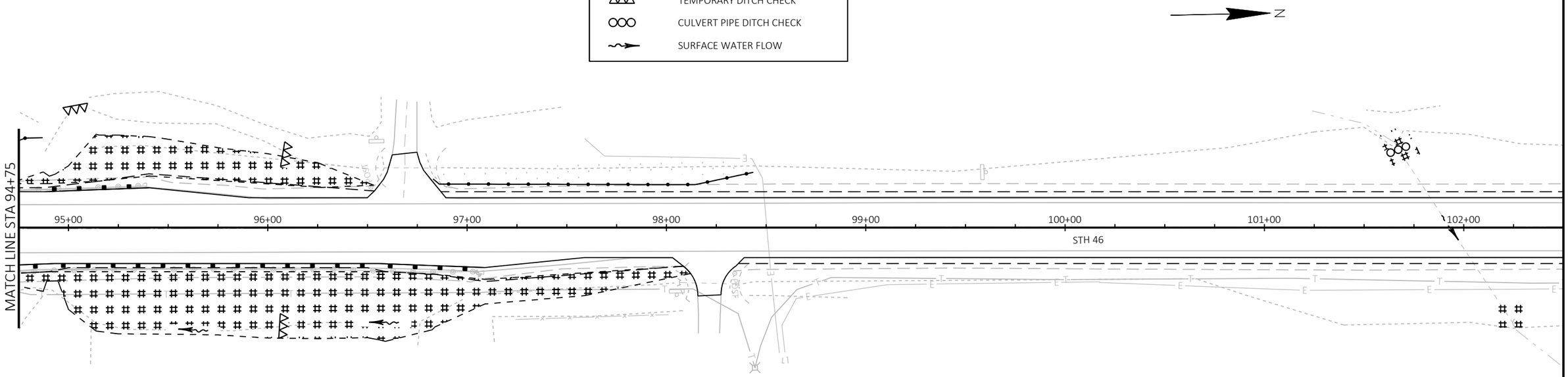
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 02
PLOT DATE : 10/21/2025 2:42 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2



LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 44	E

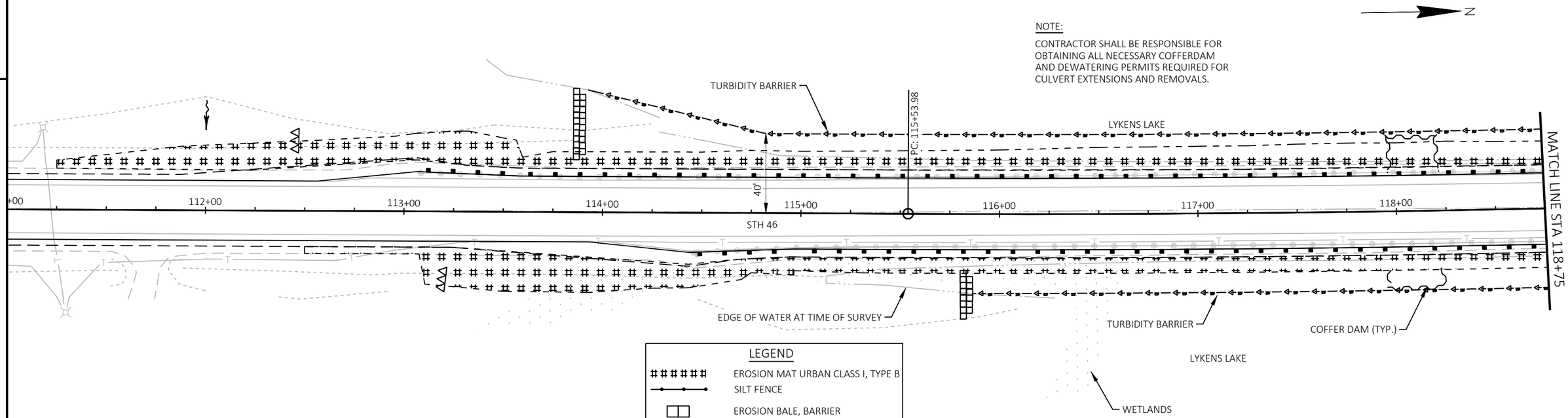
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 03

PLOT DATE : 10/21/2025 2:43 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

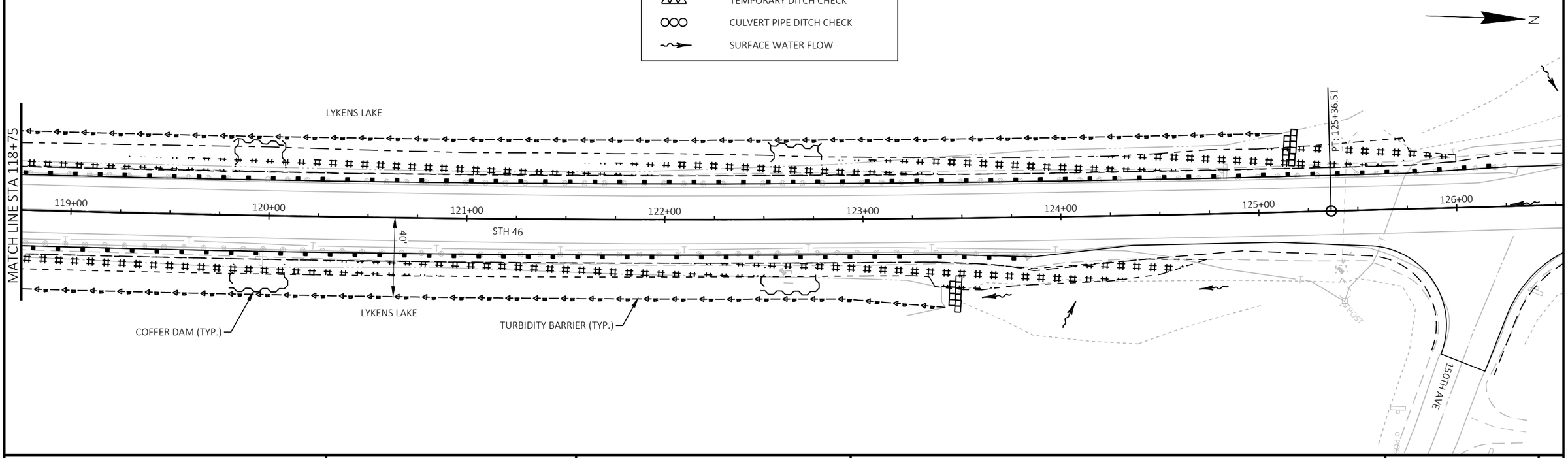
NOTE:

CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY COFFERDAM AND DEWATERING PERMITS REQUIRED FOR CULVERT EXTENSIONS AND REMOVALS.



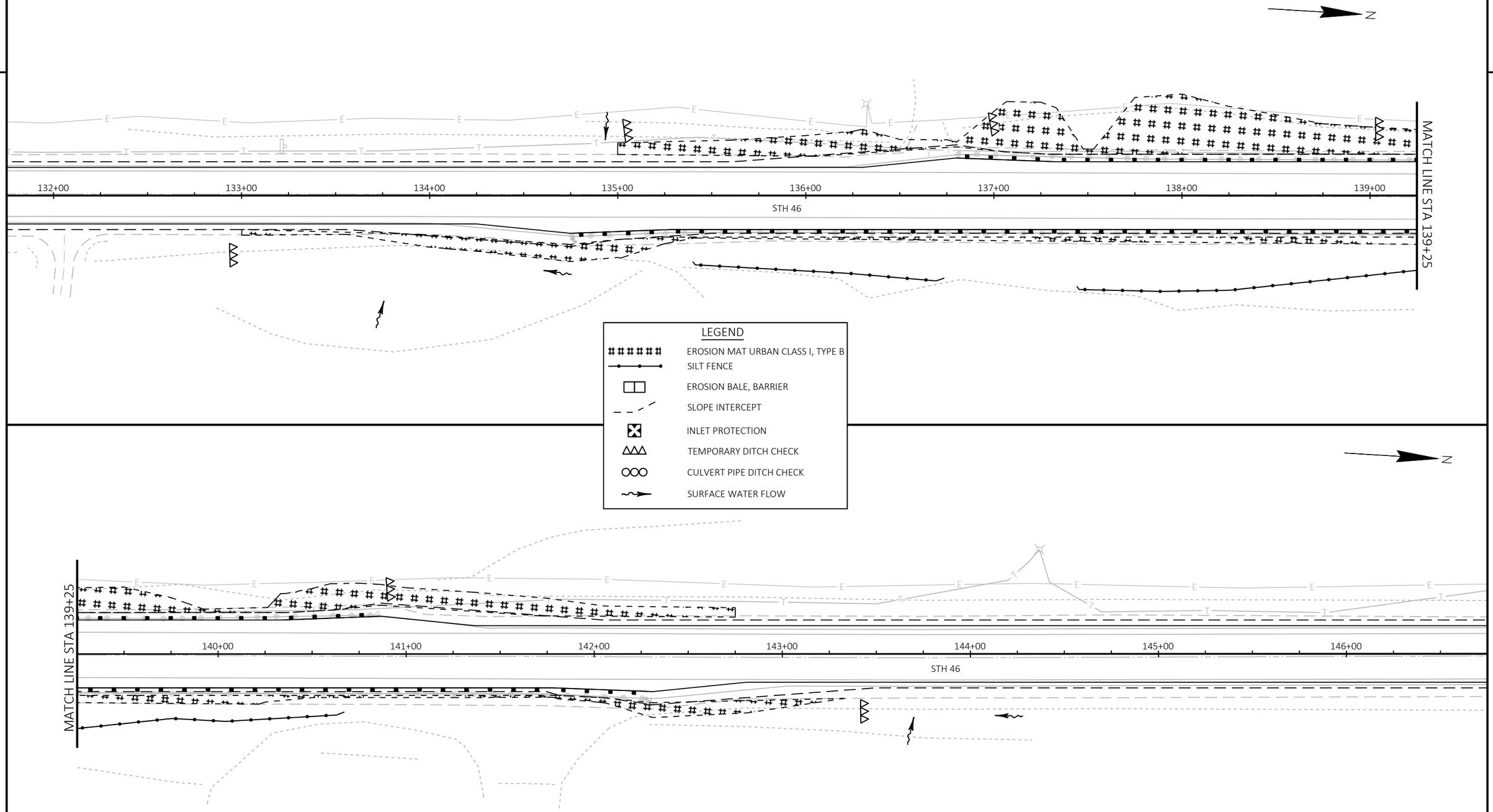
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 45	E

2



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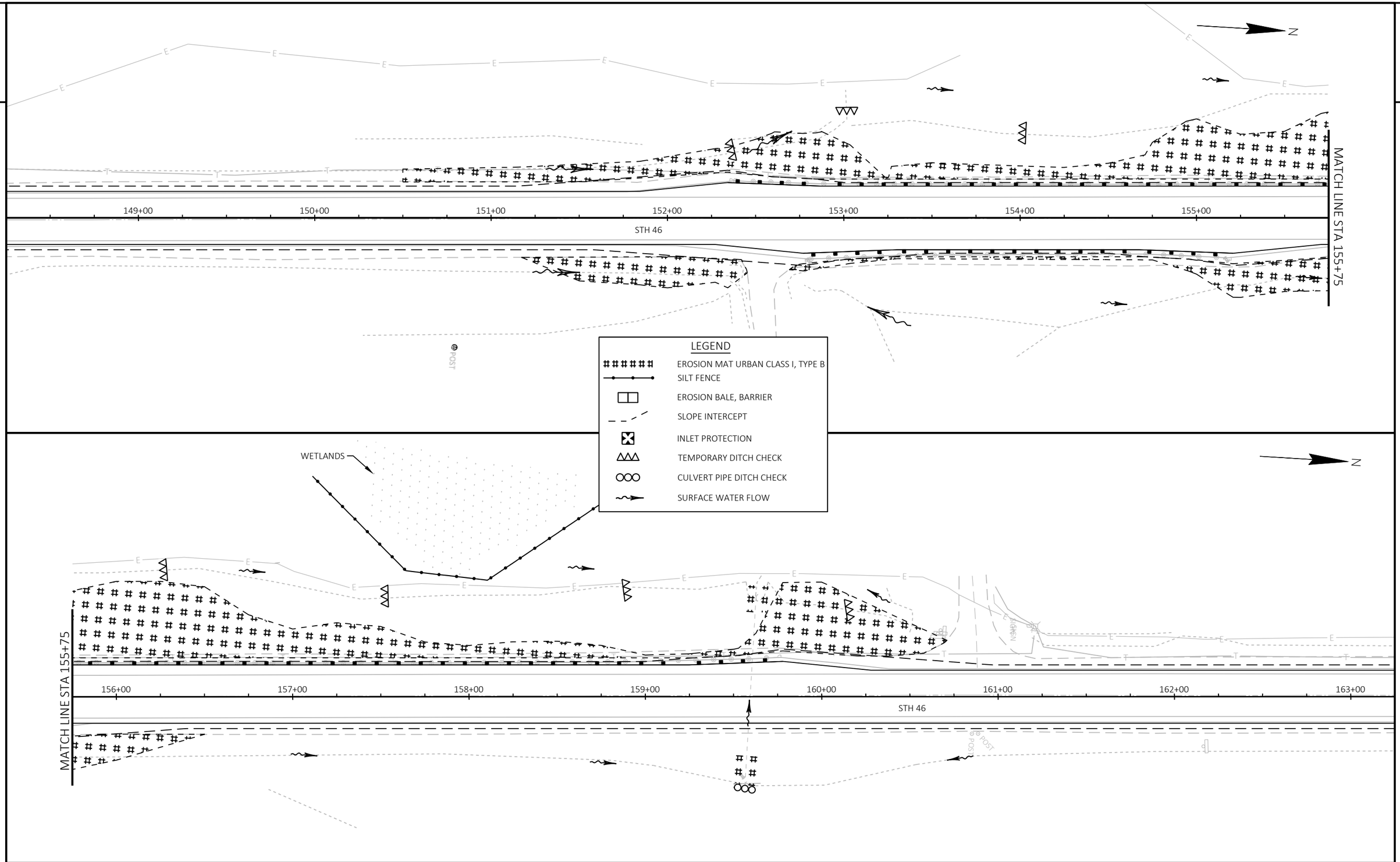
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 46	E

2

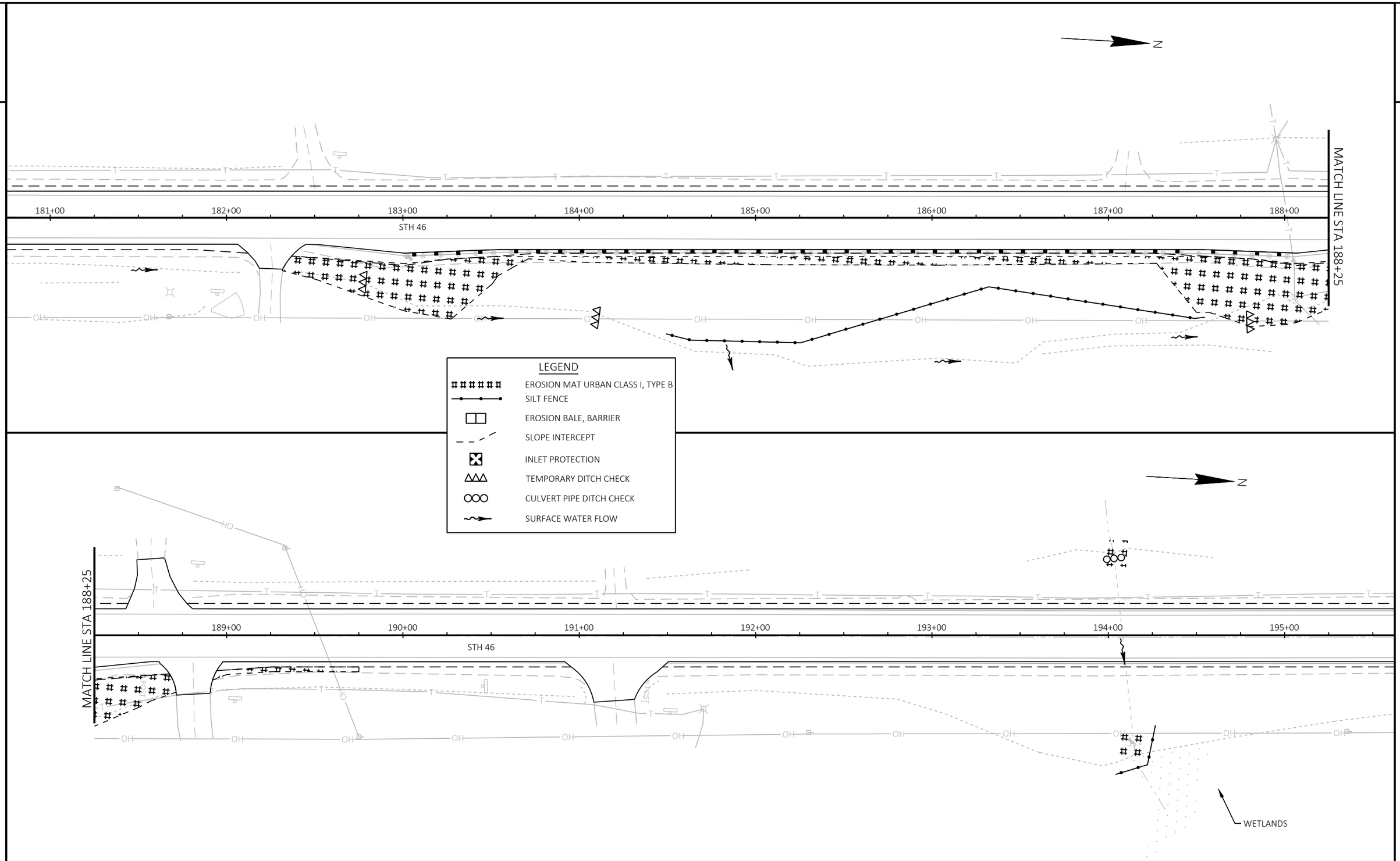


2

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 47	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 06
PLOT DATE : 10/21/2025 2:44 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2



2

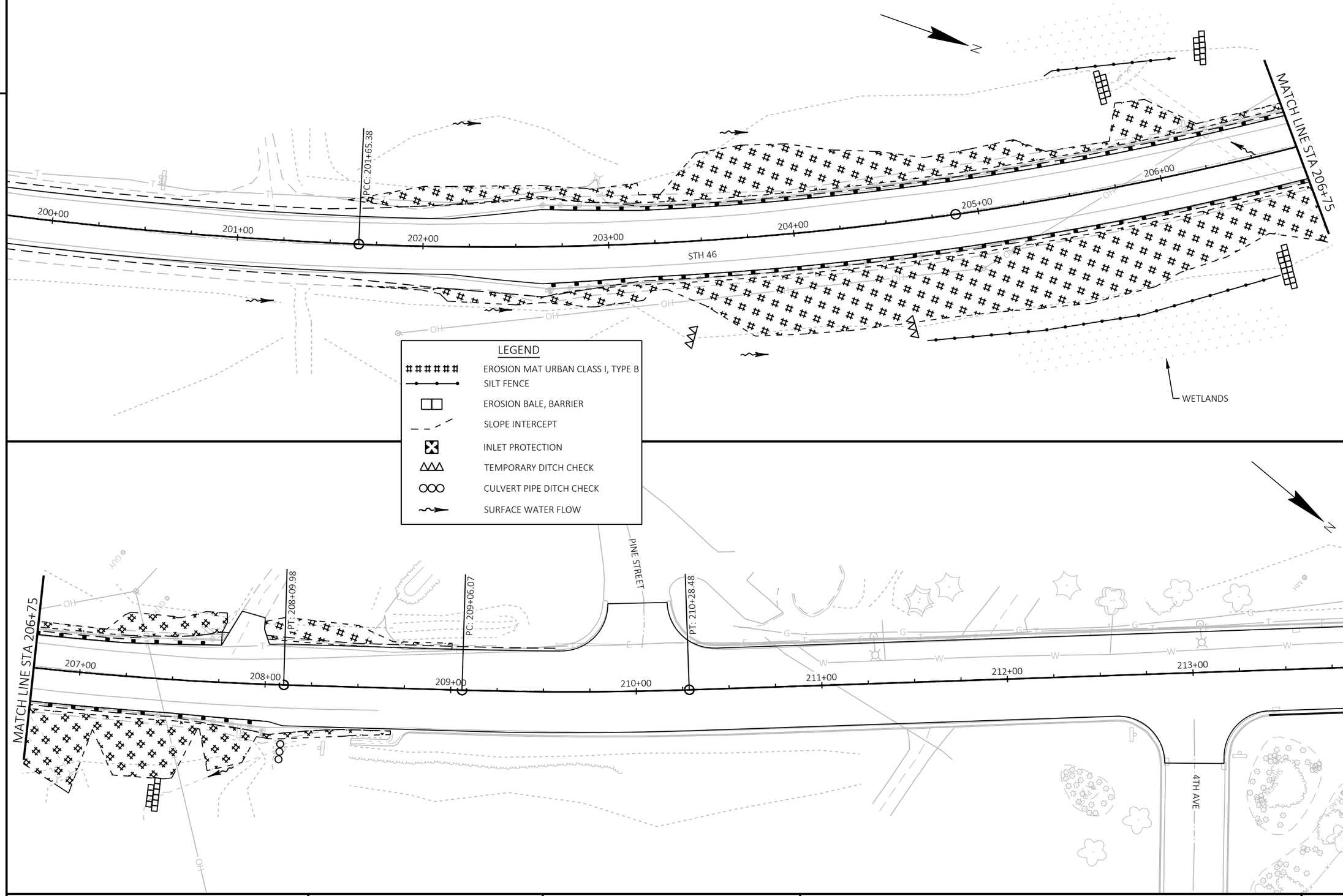
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 48	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 07

PLOT DATE : 10/21/2025 2:44 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT

2

2



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 49	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 08
PLOT DATE : 10/21/2025 2:44 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT

2

W 3RD AVE

2ND AVE W

1ST AVE W

ERW

217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00

MATCH LINE STA 224+25

STH 46

2ND AVE E

1ST AVE E

ERW

N

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

COURTHOUSE AVE

N

PC: 229+18.73

MATCH LINE STA 224+25

ERW

225+00 226+00 227+00 228+00 229+00

STH 46

ERW

OLD COURTHOUSE AVE

MILL STREET

FEE AREA

272+00 273+00

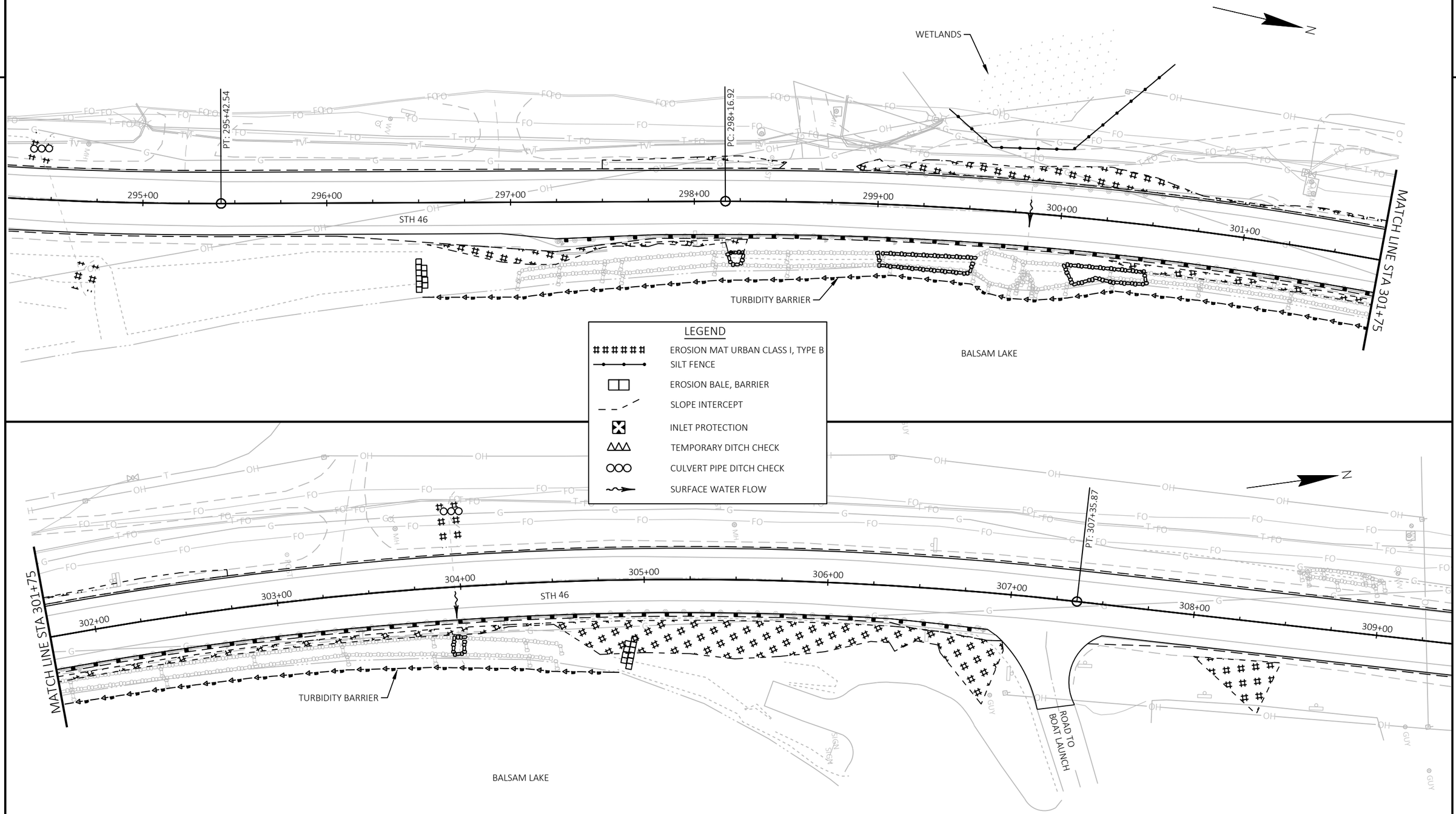
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 50	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 09

PLOT DATE : 10/21/2025 2:45 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44

2



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 51	E

2

2

N

318+00 319+00 320+00 321+00 322+00 323+00 324+00 325+00

STH 46

WETLANDS

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N

335+00 336+00 337+00 338+00 339+00 340+00 341+00 342+00

STH 46

DITCH CLEANING, EXACT LIMITS TO BE DETERMINED IN THE FIELD. INSTALL SILT FENCE AS NEEDED TO PROTECT WETLANDS

WETLANDS

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 52	E

2

374+00 375+00 376+00

387+00 388+00

STH 46

406+00 407+00

2

WETLANDS

413+00 414+00

436+00 437+00 438+00

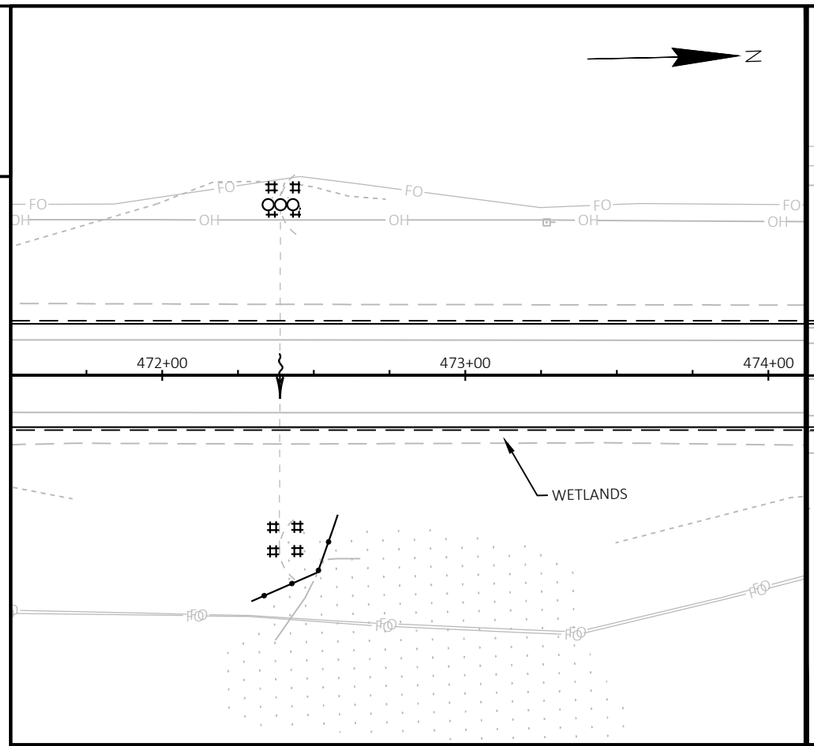
STH 46

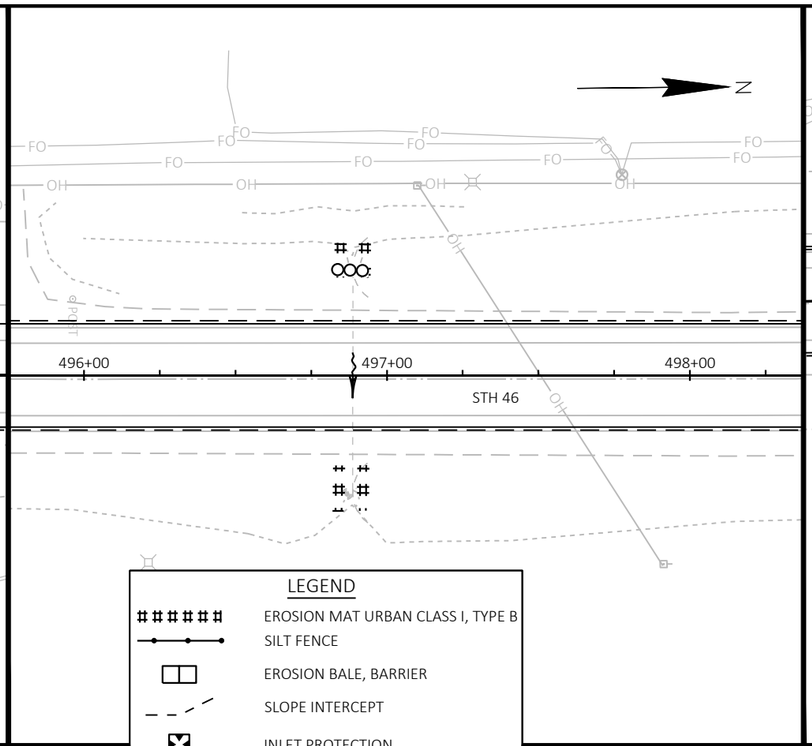
450+00 451+00

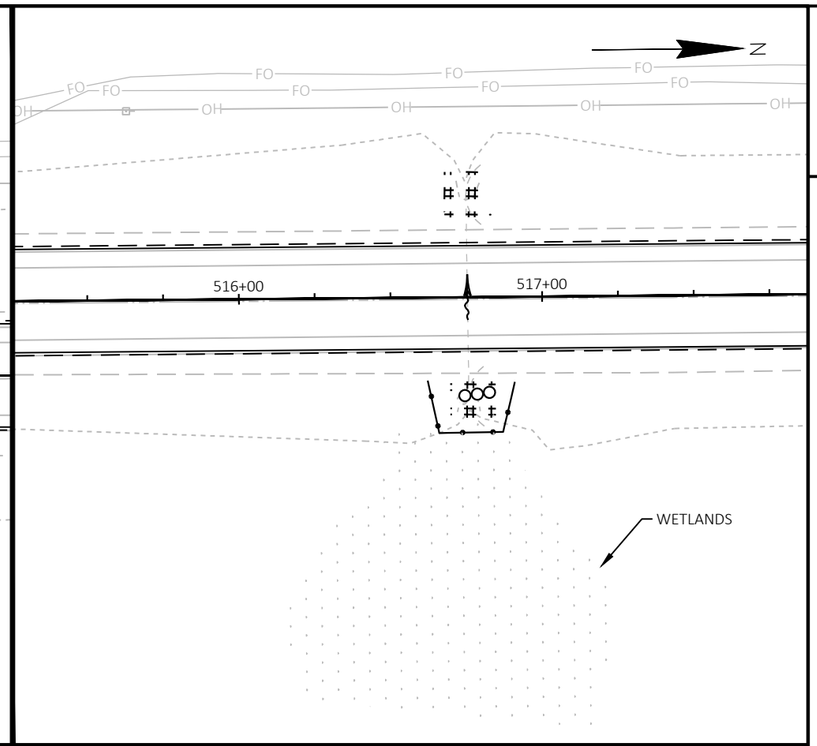
LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 53	E

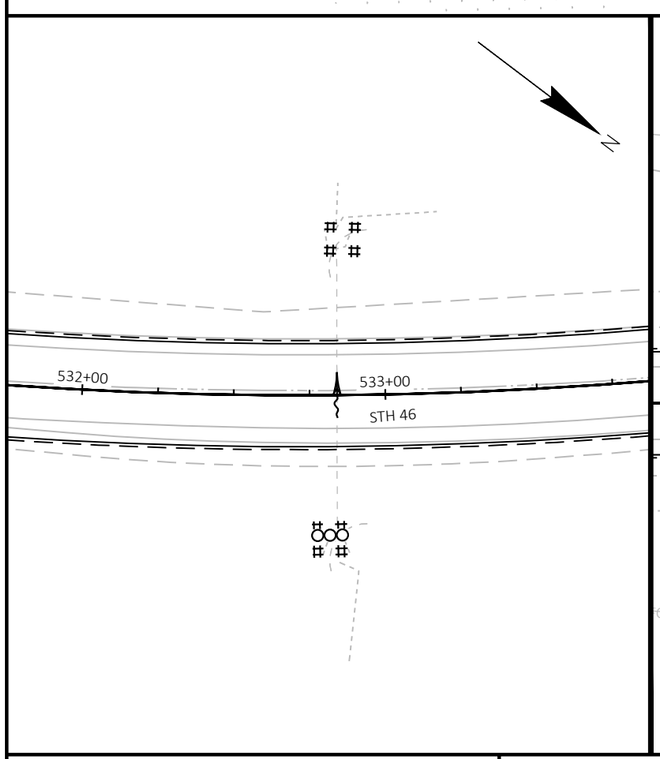


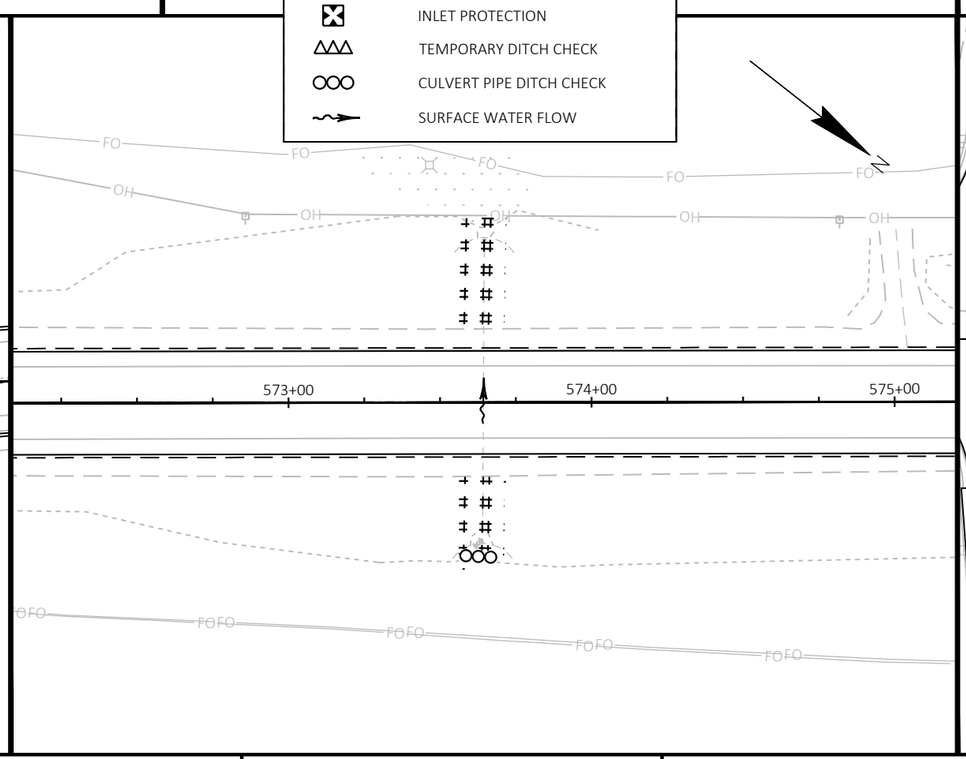


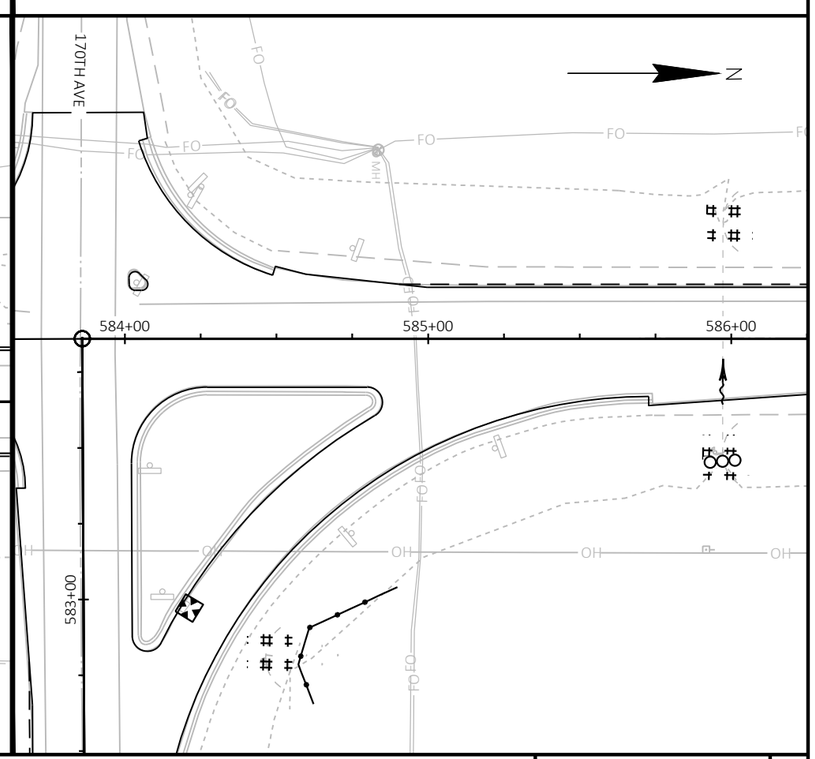


LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW







PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 54	E

2

WETLANDS

N

596+00 597+00 598+00 599+00

STH 46

610+00 611+00 612+00 613+00

STH 46

PI: 613+07.27

LEGEND

- EROSION MAT URBAN CLASS I, TYPE B
- SILT FENCE
- EROSION BALE, BARRIER
- SLOPE INTERCEPT
- INLET PROTECTION
- TEMPORARY DITCH CHECK
- CULVERT PIPE DITCH CHECK
- SURFACE WATER FLOW

N

EP: 622+53.61

STH 35

622+00

621+00

620+00

617+00 618+00 619+00

STH 46

PC: 618+92.87

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	EROSION CONTROL	SHEET 55	E

2

NOTES:
SEE PAVEMENT MARKING AND SIGNING SDDs FOR MORE INFORMATION.

ONLY EXISTING SIGNS TO BE REMOVED ARE SHOWN. OTHER EXISTING SIGNS NOT SHOWN ON THE PLANS ARE TO REMAIN IN PLACE.

PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WISCONSIN MUTCD.

EXISTING NO PASSING ZONE PENNANTS SHALL BE MOVED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONES BID ITEM.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PAVEMENT MARKING PLAN	SHEET 56	E

PAVEMENT MARKING LEGEND

MW6	MARKING LINE 6-INCH (WHITE)	MYC	MARKING CURB (YELLOW)
MY6	MARKING LINE 6-INCH (YELLOW)	MA	MARKING ARROW (SEE TYPES)
MW10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	MW	MARKING WORD ("ONLY")
MSLW18	MARKING STOP LINE 18-INCH (WHITE)	EPOXY	EPOXY
MCWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH (WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
			PAVEMENT MARKING ARROW TYPE 2 (LT/RT)
			PAVEMENT MARKING ARROW TYPE 3

2

MATCH LINE STA 194+50

PC: 195+92.38

195+00

196+00

197+00

198+00

199+00

200+00

201+00

202+00

203+00

204+00

205+00

206+00

207+00

208+00

209+00

STH 46

GWRE6 EPOXY

GWRE6 EPOXY

GWRE6 EPOXY

PCC: 201+65.38

PT: 208+09.98

PC: 209+06.07

MATCH LINE STA 209+50

N

2

PC: 214+42.43

PT: 215+87.39

215+00

216+00

217+00

218+00

219+00

220+00

221+00

222+00

223+00

214+00

213+00

212+00

211+00

210+00

STH 46

3RD AVE W

4TH AVE

2ND AVE W

2ND AVE E

STA 217+84 LT: START PARKING LANE MARKING.
SEE SDD: PARKING STALL MARKING.

GWRE6 EPOXY

MCWW6 EPOXY

STA 218+06 RT: START PARKING LANE MARKING.
SEE SDD: PARKING STALL MARKING.

MCWW6 EPOXY

MATCH LINE STA 209+50

PT: 210+28.48

MATCH LINE STA 223+50

N

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PAVEMENT MARKING PLAN	SHEET 57 E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 02

PLOT DATE : 10/20/2025 2:18 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44

2

PAVEMENT MARKING LEGEND

MW6	MARKING LINE 6-INCH (WHITE)
MY6	MARKING LINE 6-INCH (YELLOW)
MW10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)
MSLW18	MARKING STOP LINE 18-INCH (WHITE)
MCWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH (WHITE)
MYC	MARKING CURB (YELLOW)
MA	MARKING ARROW (SEE TYPES)
MW	MARKING WORD ("ONLY")
EPOXY	EPOXY
GWRE	GROOVED WET REFLECTIVE EPOXY

PAVEMENT MARKING ARROW TYPE 2 (LT/RT)

PAVEMENT MARKING ARROW TYPE 3

NOTES:
SEE PAVEMENT MARKING AND SIGNING SDDs FOR MORE INFORMATION.

ONLY EXISTING SIGNS TO BE REMOVED ARE SHOWN. OTHER EXISTING SIGNS NOT SHOWN ON THE PLANS ARE TO REMAIN IN PLACE.

PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WISCONSIN MUTCD.

EXISTING NO PASSING ZONE PENNANTS SHALL BE MOVED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONES BID ITEM.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PAVEMENT MARKING PLAN	SHEET 58	E

2

2

MATCH LINE STA 247+50

MATCH LINE STA 262+50

248+00 249+00 250+00 251+00 252+00 253+00 254+00 255+00 256+00 257+00 258+00 259+00 260+00 261+00 262+00

STH 46

GWRE6 EPOXY

GWRE6 EPOXY

GWRE6 EPOXY

BADGER RD

FRONTAGE RD

TILLTAG DR

N

PAVEMENT MARKING LEGEND

MW6	MARKING LINE 6-INCH (WHITE)	MYC	MARKING CURB (YELLOW)
MY6	MARKING LINE 6-INCH (YELLOW)	MA	MARKING ARROW (SEE TYPES)
MW10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	MW	MARKING WORD ("ONLY")
MSLW18	MARKING STOP LINE 18-INCH (WHITE)	EPOXY	EPOXY
MCWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH (WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY
			PAVEMENT MARKING ARROW TYPE 2 (LT/RT)
			PAVEMENT MARKING ARROW TYPE 3

MATCH LINE STA 262+50

263+00 264+00 265+00 266+00 267+00 268+00 269+00 270+00

STH 46

GWRE6 EPOXY

GWRE6 EPOXY

MCWW6 EPOXY

EAGLE DR

MW10 EPOXY

MSLW18 EPOXY

MSLW18 EPOXY

PI: 270+36.33

150TH ST

MSLW18 EPOXY

MW6 EPOXY

170TH AVE/CTH I

MYC EPOXY

271+00

POLK COUNTY PLAZA

GWRE6 EPOXY

GWRE6 EPOXY

MA EPOXY

MW EPOXY

MA EPOXY

MYC EPOXY

MYLW18 EPOXY

MSLW18 EPOXY

MW6 EPOXY

MYC EPOXY

GWRE6 EPOXY

272+00

N

MATCH LINE STA 272+50

NOTES:
SEE PAVEMENT MARKING AND SIGNING SDDs FOR MORE INFORMATION.

ONLY EXISTING SIGNS TO BE REMOVED ARE SHOWN. OTHER EXISTING SIGNS NOT SHOWN ON THE PLANS ARE TO REMAIN IN PLACE.

PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WISCONSIN MUTCD.

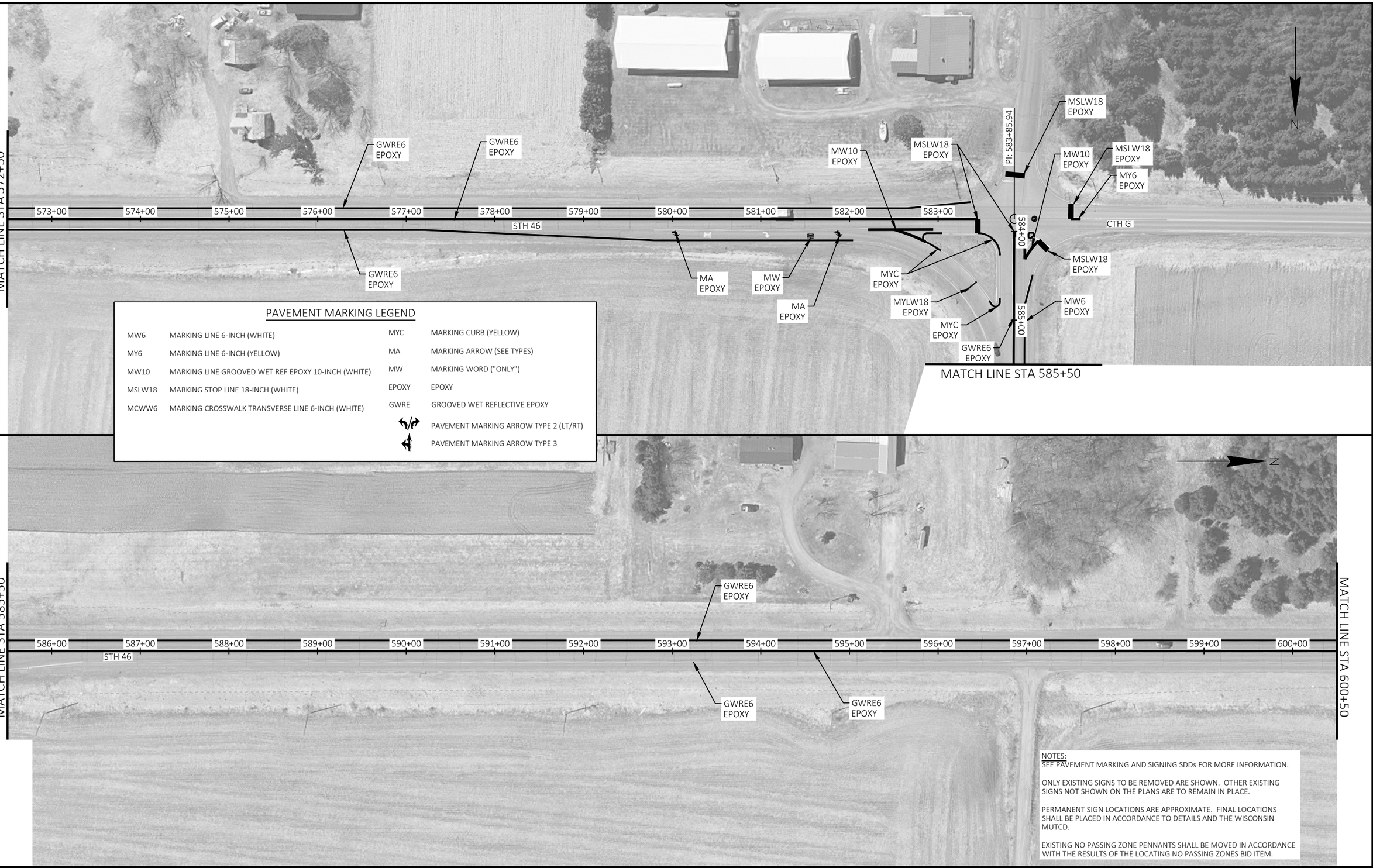
EXISTING NO PASSING ZONE PENNANTS SHALL BE MOVED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONES BID ITEM.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PAVEMENT MARKING PLAN	SHEET 59	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 04

PLOT DATE : 10/20/2025 2:19 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT

2



PAVEMENT MARKING LEGEND

MW6	MARKING LINE 6-INCH (WHITE)	MYC	MARKING CURB (YELLOW)
MY6	MARKING LINE 6-INCH (YELLOW)	MA	MARKING ARROW (SEE TYPES)
MW10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	MW	MARKING WORD ("ONLY")
MSLW18	MARKING STOP LINE 18-INCH (WHITE)	EPOXY	EPOXY
MCWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH (WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY

PAVEMENT MARKING ARROW TYPE 2 (LT/RT)

PAVEMENT MARKING ARROW TYPE 3

NOTES:
SEE PAVEMENT MARKING AND SIGNING SDDs FOR MORE INFORMATION.

ONLY EXISTING SIGNS TO BE REMOVED ARE SHOWN. OTHER EXISTING SIGNS NOT SHOWN ON THE PLANS ARE TO REMAIN IN PLACE.

PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WISCONSIN MUTCD.

EXISTING NO PASSING ZONE PENNANTS SHALL BE MOVED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONES BID ITEM.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PAVEMENT MARKING PLAN	SHEET 60	E

2

PAVEMENT MARKING LEGEND

MW6	MARKING LINE 6-INCH (WHITE)	MYC	MARKING CURB (YELLOW)
MY6	MARKING LINE 6-INCH (YELLOW)	MA	MARKING ARROW (SEE TYPES)
MW10	MARKING LINE GROOVED WET REF EPOXY 10-INCH (WHITE)	MW	MARKING WORD ("ONLY")
MSLW18	MARKING STOP LINE 18-INCH (WHITE)	EPOXY	EPOXY
MCWW6	MARKING CROSSWALK TRANSVERSE LINE 6-INCH (WHITE)	GWRE	GROOVED WET REFLECTIVE EPOXY

PAVEMENT MARKING ARROW TYPE 2 (LT/RT)

PAVEMENT MARKING ARROW TYPE 3

NOTES:
SEE PAVEMENT MARKING AND SIGNING SDDs FOR MORE INFORMATION.

ONLY EXISTING SIGNS TO BE REMOVED ARE SHOWN. OTHER EXISTING SIGNS NOT SHOWN ON THE PLANS ARE TO REMAIN IN PLACE.

PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE WISCONSIN MUTCD.

EXISTING NO PASSING ZONE PENNANTS SHALL BE MOVED IN ACCORDANCE WITH THE RESULTS OF THE LOCATING NO PASSING ZONES BID ITEM.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PAVEMENT MARKING PLAN	SHEET 61	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\024501-PM.DWG
LAYOUT NAME - 06
PLOT DATE : 10/20/2025 2:19 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44

2

N

US HIGHWAY 8

180TH AVE

220TH AVE

250TH AVE

VMS
BALSAM LAKE
-->

STATE ROAD 35

PROPOSED DETOUR

STATE ROAD 65

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

ROAD CLOSED 1 MILE
W20-3F

ROAD CLOSED 1 MILE
W20-3F

COVER STH 46 LEFT TURN AHEAD SIGN

COVER STH 46 LEFT TURN SIGN

US HIGHWAY 46

ROAD CLOSED AHEAD
W20-3A

ROAD CLOSED AHEAD
W20-3A

COVER BALSAM LAKE DESTINATION SIGN & NORTH 46 SIGNS

COVER STH 46 RIGHT TURN SIGN

LYKENS LAKE GUARDRAIL REPLACEMENT AREA

160TH ST

120TH ST

COUNTY HIGHWAY I

US HIGHWAY 46
W20-7A

PROPOSED DETOUR

COVER STH 46 LEFT CURVE SIGN

NOTES:
1. ALL CALLOUTS WITH AN ASTERISK (*) SHALL BE PLACED ON THE MAINLINE DETOUR ROUTE.
2. SEE STANDARD DETAIL - BARRICADES AND SIGNS FOR VARIOUS CLOSURES FOR PLACEMENT OF BARRICADE SIGNS
3. SEE STANDARD DETAIL - DETOUR SIGNING FOR MAINLINE CLOSURES FOR PLACEMENT OF DETOUR SIGNS AT INTERSECTIONS

1	2	3	4	5	6	7	8	9	10	11	12	13	14
DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	NORTH M3-1 24"X12"	SOUTH M3-3 24"X12"	DETOUR M4-8 24"X12"	DETOUR M4-8 24"X12"	END DETOUR M4-8A 24"X18"	END DETOUR M4-8A 24"X18"
NORTH M3-1 24"X12"	NORTH M3-1 24"X12"	NORTH M3-1 24"X12"	NORTH M3-1 24"X12"	NORTH M3-1 24"X12"	SOUTH M3-3 24"X12"	SOUTH M3-3 24"X12"	SOUTH M3-3 24"X12"	46 M1-6 24"X24"	46 M1-6 24"X24"	NORTH M3-1 24"X12"	SOUTH M3-3 24"X12"	NORTH M3-1 24"X12"	SOUTH M3-3 24"X12"
46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	DETOUR AHEAD W20-2A	DETOUR AHEAD W20-2A	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"	46 M1-6 24"X24"
M06-1 21"X21"	M06-1 21"X21"	M05-1L 21"X21"	M05-1R 21"X21"	M06-1 21"X21"	M06-1 21"X21"	M06-1 21"X21"	M06-1 21"X21"						

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	DETOUR PLAN	SHEET 62	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 01
PLOT DATE : 7/23/2025 2:07 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:1 MI
WISDOT/CADDS SHEET 42

2

WORK AREA (TYP.)

PEDESTRIAN BARRICADE WITH TEMPORARY AUDIBLE MESSAGE DEVICES (TYP.)

W 3RD AVE

2ND AVE W

1ST AVE W

N

217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00

MATCH LINE STA 224+25

STH 46

PEDESTRIAN BARRICADE WITH TEMPORARY AUDIBLE MESSAGE DEVICES (TYP.)

WORK AREA (TYP.)

COURTHOUSE RD

1 AVE W

N

PC; 229+18.73

225+00 226+00 227+00 228+00 229+00 230+00 231+00

MATCH LINE STA 224+25

STH 46

TEMPORARY PEDESTRIAN CROSSING TO BE INSTALLED PER SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

OLD COURTHOUSE RD

MILL STREET

NOTES:

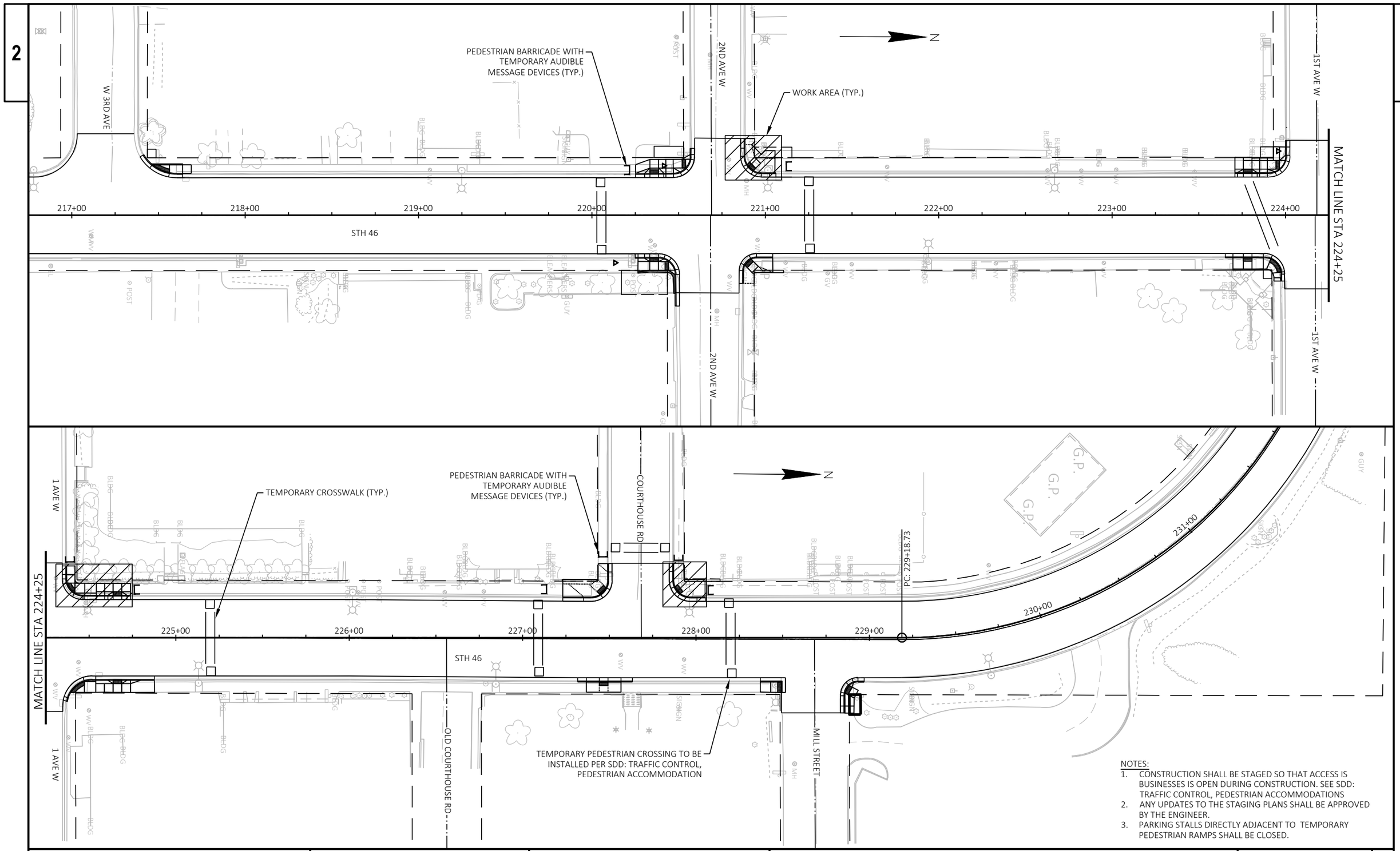
1. CONSTRUCTION SHALL BE STAGED SO THAT ACCESS IS BUSINESSES IS OPEN DURING CONSTRUCTION. SEE SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS
2. ANY UPDATES TO THE STAGING PLANS SHALL BE APPROVED BY THE ENGINEER.
3. PARKING STALLS DIRECTLY ADJACENT TO TEMPORARY PEDESTRIAN RAMPS SHALL BE CLOSED.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PEDESTRIAN DETOUR - STAGE 1	SHEET 63	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 02

PLOT DATE : 7/28/2025 2:39 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



NOTES:

1. CONSTRUCTION SHALL BE STAGED SO THAT ACCESS IS BUSINESSES IS OPEN DURING CONSTRUCTION. SEE SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS
2. ANY UPDATES TO THE STAGING PLANS SHALL BE APPROVED BY THE ENGINEER.
3. PARKING STALLS DIRECTLY ADJACENT TO TEMPORARY PEDESTRIAN RAMPS SHALL BE CLOSED.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PEDESTRIAN DETOUR - STAGE 2	SHEET 64	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 03
PLOT DATE : 7/28/2025 2:42 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

2

2

TEMPORARY PEDESTRIAN CROSSING TO BE INSTALLED PER SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

W 3RD AVE

2ND AVE W

1ST AVE W

TEMPORARY CROSSWALK (TYP.)

N

217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00

MATCH LINE STA 224+25

STH 46

PEDESTRIAN BARRICADE WITH TEMPORARY AUDIBLE MESSAGE DEVICES (TYP.)

WORK AREA (TYP.)

2ND AVE W

1ST AVE W

1 AVE W

TEMPORARY CROSSWALK (TYP.)

COURTHOUSE RD

N

G.P.

231+00

PC; 229+18.73

230+00

MATCH LINE STA 224+25

225+00 226+00 227+00 228+00 229+00

STH 46

PEDESTRIAN BARRICADE WITH TEMPORARY AUDIBLE MESSAGE DEVICES (TYP.)

TEMPORARY PEDESTRIAN CROSSING TO BE INSTALLED PER SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

OLD COURTHOUSE RD

MILL STREET

1 AVE W

NOTES:

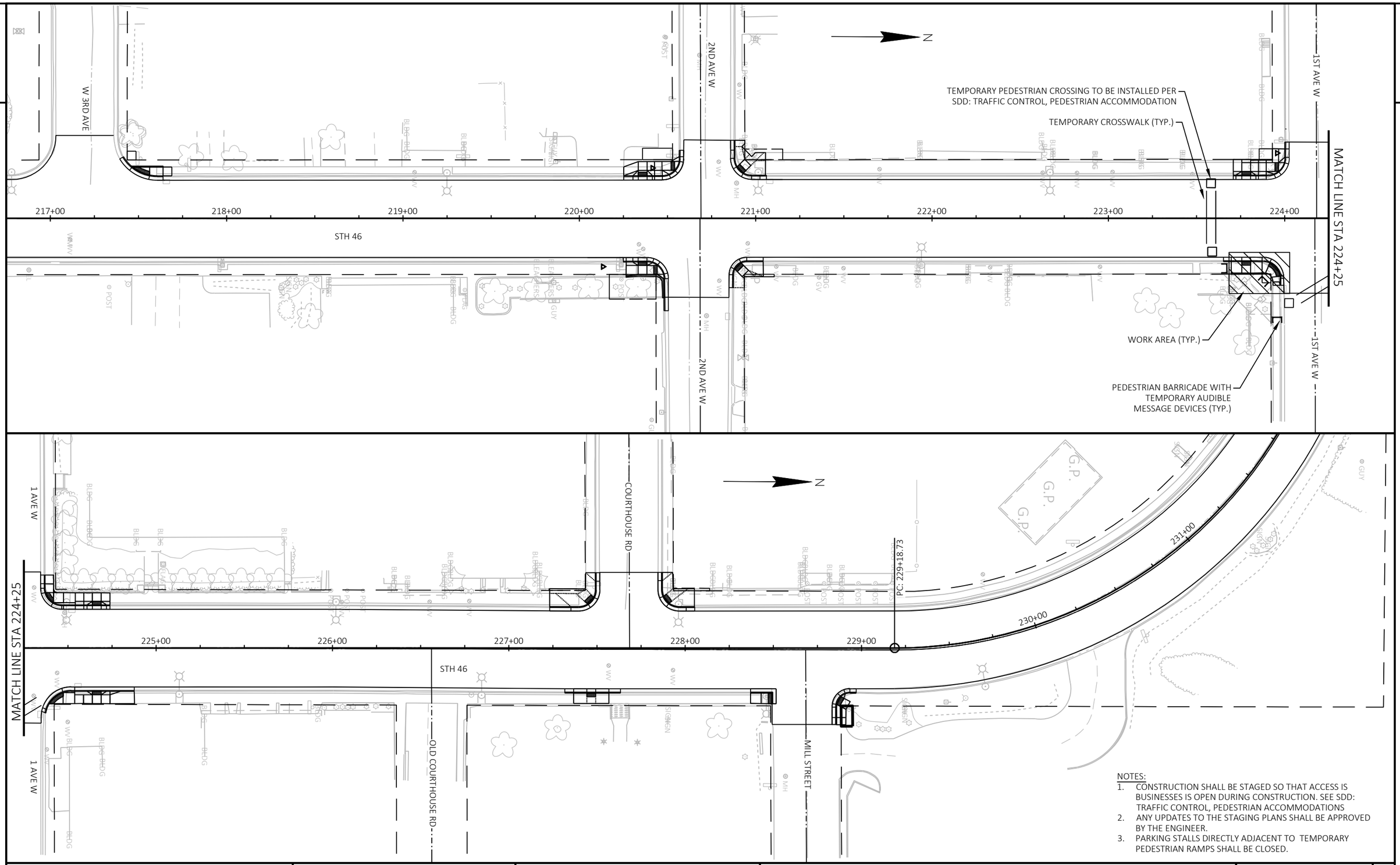
1. CONSTRUCTION SHALL BE STAGED SO THAT ACCESS IS BUSINESSES IS OPEN DURING CONSTRUCTION. SEE SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS
2. ANY UPDATES TO THE STAGING PLANS SHALL BE APPROVED BY THE ENGINEER.
3. PARKING STALLS DIRECTLY ADJACENT TO TEMPORARY PEDESTRIAN RAMPS SHALL BE CLOSED.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PEDESTRIAN DETOUR - STAGE 3	SHEET 65	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 04

PLOT DATE : 7/28/2025 2:42 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:50 FT

WISDOT/CADDS SHEET 44



NOTES:

1. CONSTRUCTION SHALL BE STAGED SO THAT ACCESS IS BUSINESSES IS OPEN DURING CONSTRUCTION. SEE SDD: TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATIONS
2. ANY UPDATES TO THE STAGING PLANS SHALL BE APPROVED BY THE ENGINEER.
3. PARKING STALLS DIRECTLY ADJACENT TO TEMPORARY PEDESTRIAN RAMPS SHALL BE CLOSED.

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PEDESTRIAN DETOUR - STAGE 4	SHEET 66	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 05
PLOT DATE : 7/28/2025 2:46 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

Estimate Of Quantities

8030-00-70

Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	34.000	34.000
0004	204.0109.S	Removing Concrete Surface Partial Depth	SF	7,090.000	7,090.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	3,200.000	3,200.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	36,000.000	36,000.000
0010	204.0150	Removing Curb & Gutter	LF	962.000	962.000
0012	204.0155	Removing Concrete Sidewalk	SY	301.000	301.000
0014	204.0165	Removing Guardrail	LF	9,348.000	9,348.000
0016	205.0100	Excavation Common	CY	5,594.000	5,594.000
0018	206.5001	Cofferdams (structure) 01. Culvert 10	EACH	1.000	1.000
0020	206.5001	Cofferdams (structure) 02. Culvert 11	EACH	1.000	1.000
0022	206.5001	Cofferdams (structure) 03. Culvert 12	EACH	1.000	1.000
0024	208.0100	Borrow	CY	5,372.000	5,372.000
0026	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	2.000	2.000
0028	209.1100	Backfill Granular Grade 1	CY	1,730.000	1,730.000
0030	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 8030-00-70	EACH	1.000	1.000
0032	211.0700.S	Prepare Foundation for CIR Base Layer (project) 01. 8030-00-70	EACH	1.000	1.000
0034	211.0800.S	Base Repair for CIR Layer	CY	750.000	750.000
0036	213.0100	Finishing Roadway (project) 01. 8030-00-70	EACH	1.000	1.000
0038	305.0110	Base Aggregate Dense 3/4-Inch	TON	6,760.000	6,760.000
0040	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	2,640.000	2,640.000
0042	305.0500	Shaping Shoulders	STA	568.000	568.000
0044	312.0110	Select Crushed Material	TON	930.000	930.000
0046	327.1000.S	CIR Asphaltic Base Layer	SY	204,090.000	204,090.000
0048	455.0605	Tack Coat	GAL	33,830.000	33,830.000
0050	455.0770.S	Asphalt Stabilizing Agent	TON	1,060.000	1,060.000
0052	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	1.000	1.000
0054	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	1.000	1.000
0056	460.2000	Incentive Density HMA Pavement	DOL	2,380.000	2,380.000
0058	460.2005	Incentive Density PWL HMA Pavement	DOL	22,935.000	22,935.000
0060	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	22,340.000	22,340.000
0062	460.2010	Incentive Air Voids HMA Pavement	DOL	32,460.000	32,460.000
0064	460.6225	HMA Pavement 5 MT 58-28 S	TON	36,890.000	36,890.000
0066	460.9000.S	Material Transfer Vehicle 01. 8030-00-70	EACH	1.000	1.000
0068	465.0105	Asphaltic Surface	TON	500.000	500.000
0070	465.0110	Asphaltic Surface Patching	TON	150.000	150.000
0072	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	375.000	375.000
0074	465.0520	Asphaltic Rumble Strips, Shoulder	LF	69,150.000	69,150.000
0076	465.0560	Asphaltic Rumble Strips, Centerline	LF	47,765.000	47,765.000
0078	520.8000	Concrete Collars for Pipe	EACH	3.000	3.000
0080	520.8700	Cleaning Culvert Pipes	EACH	17.000	17.000
0082	520.9700.S	Culvert Pipe Liners (size) 01. 24-Inch	LF	292.000	292.000
0084	520.9700.S	Culvert Pipe Liners (size) 02. 30-Inch	LF	320.000	320.000
0086	520.9700.S	Culvert Pipe Liners (size) 03. 36-Inch	LF	160.000	160.000
0088	520.9750.S	Cleaning Culvert Pipes for Liner Verification	EACH	5.000	5.000
0090	521.1024	Apron Endwalls for Culvert Pipe Steel 24-Inch	EACH	23.000	23.000
0092	521.1030	Apron Endwalls for Culvert Pipe Steel 30-Inch	EACH	2.000	2.000
0094	521.1036	Apron Endwalls for Culvert Pipe Steel 36-Inch	EACH	4.000	4.000
0096	521.1048	Apron Endwalls for Culvert Pipe Steel 48-Inch	EACH	2.000	2.000
0098	521.3124	Culvert Pipe Corrugated Steel 24-Inch	LF	218.000	218.000

8030-00-70

Line	Item	Item Description	Unit	Total	Qty
0100	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	148.000	148.000
0102	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	64.000	64.000
0104	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	1.000	1.000
0106	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	26.000	26.000
0108	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	2.000	2.000
0110	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	962.000	962.000
0112	601.0600	Concrete Curb Pedestrian	LF	124.000	124.000
0114	602.0410	Concrete Sidewalk 5-Inch	SF	3,090.000	3,090.000
0116	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	180.000	180.000
0118	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	58.000	58.000
0120	606.0200	Riprap Medium	CY	40.000	40.000
0122	606.0300	Riprap Heavy	CY	722.000	722.000
0124	611.8110	Adjusting Manhole Covers	EACH	10.000	10.000
0126	611.8115	Adjusting Inlet Covers	EACH	11.000	11.000
0128	611.8120.S	Cover Plates Temporary	EACH	20.000	20.000
0130	614.2300	MGS Guardrail 3	LF	1,925.000	1,925.000
0132	614.2330	MGS Guardrail 3 K	LF	5,350.000	5,350.000
0134	614.2340	MGS Guardrail 3 L	LF	187.500	187.500
0136	614.2610	MGS Guardrail Terminal EAT	EACH	32.000	32.000
0138	618.0100	Maintenance and Repair of Haul Roads (project) 01. 8030-00-70	EACH	1.000	1.000
0140	619.1000	Mobilization	EACH	1.000	1.000
0142	624.0100	Water	MGAL	140.000	140.000
0144	625.0500	Salvaged Topsoil	SY	15,509.000	15,509.000
0146	627.0200	Mulching	SY	500.000	500.000
0148	628.1104	Erosion Bales	EACH	120.000	120.000
0150	628.1504	Silt Fence	LF	2,838.000	2,838.000
0152	628.1520	Silt Fence Maintenance	LF	2,838.000	2,838.000
0154	628.1905	Mobilizations Erosion Control	EACH	5.000	5.000
0156	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0158	628.2008	Erosion Mat Urban Class I Type B	SY	16,474.000	16,474.000
0160	628.6005	Turbidity Barriers	SY	1,440.000	1,440.000
0162	628.7015	Inlet Protection Type C	EACH	9.000	9.000
0164	628.7504	Temporary Ditch Checks	LF	374.000	374.000
0166	628.7555	Culvert Pipe Checks	EACH	155.000	155.000
0168	628.7570	Rock Bags	EACH	100.000	100.000
0170	629.0210	Fertilizer Type B	CWT	9.800	9.800
0172	630.0130	Seeding Mixture No. 30	LB	418.700	418.700
0174	630.0500	Seed Water	MGAL	100.000	100.000
0176	633.5200	Markers Culvert End	EACH	73.000	73.000
0178	638.2102	Moving Signs Type II	EACH	12.000	12.000
0180	638.4000	Moving Small Sign Supports	EACH	11.000	11.000
0182	642.5001	Field Office Type B	EACH	1.000	1.000
0184	643.0300	Traffic Control Drums	DAY	144,772.000	144,772.000
0186	643.0420	Traffic Control Barricades Type III	DAY	2,059.000	2,059.000
0188	643.0705	Traffic Control Warning Lights Type A	DAY	2,952.000	2,952.000
0190	643.0715	Traffic Control Warning Lights Type C	DAY	1,000.000	1,000.000
0192	643.0900	Traffic Control Signs	DAY	12,900.000	12,900.000
0194	643.0920	Traffic Control Covering Signs Type II	EACH	10.000	10.000
0196	643.1000	Traffic Control Signs Fixed Message	SF	54.000	54.000

8030-00-70

Line	Item	Item Description	Unit	Total	Qty
0198	643.1500	Traffic Control Speed Feedback Trailer	DAY	540.000	540.000
0200	643.3165	Temporary Marking Line Paint 6-Inch	LF	181,227.000	181,227.000
0202	643.3170	Temporary Marking Line Epoxy 6-Inch	LF	34,134.000	34,134.000
0204	643.3350	Temporary Marking Crosswalk Removable Tape 6-inch	LF	460.000	460.000
0206	643.5000	Traffic Control	EACH	1.000	1.000
0208	644.1440	Temporary Pedestrian Surface Matting	SF	800.000	800.000
0210	644.1601	Temporary Pedestrian Curb Ramp	DAY	450.000	450.000
0212	644.1810	Temporary Pedestrian Barricade	LF	90.000	90.000
0214	644.1900.S	Temporary Audible Message Devices	DAY	222.000	222.000
0216	645.0130	Geotextile Type R	SY	3,250.000	3,250.000
0218	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	202,663.000	202,663.000
0220	646.4040	Marking Line Grooved Wet Ref Epoxy 10-Inch	LF	547.000	547.000
0222	646.5020	Marking Arrow Epoxy	EACH	4.000	4.000
0224	646.5120	Marking Word Epoxy	EACH	2.000	2.000
0226	646.6120	Marking Stop Line Epoxy 18-Inch	LF	318.000	318.000
0228	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	40.000	40.000
0230	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,046.000	1,046.000
0232	646.8120	Marking Curb Epoxy	LF	1,157.000	1,157.000
0234	646.8320	Marking Parking Stall Epoxy	LF	950.000	950.000
0236	648.0100	Locating No-Passing Zones	MI	11.400	11.400
0238	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	962.000	962.000
0240	650.6000	Construction Staking Pipe Culverts	EACH	8.000	8.000
0242	650.8000	Construction Staking Resurfacing Reference	LF	60,409.000	60,409.000
0244	650.9000	Construction Staking Curb Ramps	EACH	16.000	16.000
0246	650.9911	Construction Staking Supplemental Control (project) 01. 8030-00-70	EACH	1.000	1.000
0248	650.9920	Construction Staking Slope Stakes	LF	7,463.000	7,463.000
0250	690.0150	Sawing Asphalt	LF	1,300.000	1,300.000
0252	690.0250	Sawing Concrete	LF	120.000	120.000
0254	740.0440	Incentive IRI Ride	DOL	45,680.000	45,680.000
0256	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	2,500.000	2,500.000
0258	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	2,000.000	2,000.000
0260	SPV.0060	Special 01. Resetting Pipe End Sections	EACH	41.000	41.000
0262	SPV.0060	Special 02. Adjusting Water Valves	EACH	21.000	21.000
0264	SPV.0090	Special 01. Ditch Cleaning	LF	400.000	400.000

203_CULVERT REMOVALS

CATEGORY	STATION	LOCATION	203.0100 REMOVING SMALL PIPE CULVERTS EACH	REMARKS
0010	24+45	ML	1	REMOVE 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND RIGHT SIDE. RIGHT CULVERT INVERT BURRIED.
0010	42+72	ML	1	REMOVE AND RESETTING 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND RIGHT SIDE.
0010	55+59	ML	1	REMOVE AND RESETTING 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND RIGHT SIDE.
0010	58+02	ML	1	REMOVE 12 LF OF 24" CPRC.
0010	62+82	ML	1	REMOVE LEFT AND RIGHT 24" AEWS.
0010	67+79	ML	1	REMOVE 12 LF OF 24" CPRC. RESET 3 SECTIONS LEFT SIDE.
0010	76+82	ML	1	REMOVE AND RESETTING 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND RIGHT SIDE.
0010	101+93	ML	1	REMOVE AND RESETTING 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND RIGHT SIDE.
0010	118+15	ML	1	REMOVE 55 LF OF CULVERT. CULVERT UNDERWATER AT TIME OF SURVEY.
0010	119+80	ML	1	REMOVE UNKNOWN LENGTH OF 24" CULVERT PIPE.
0010	125+43	ML	1	REMOVE 106 LF OF CMCP.
0010	159+59	ML	1	REMOVE 12 LF OF 24" CPRC. RESET 3 SECTIONS LEFT AND RIGHT SIDE.
0010	169+38	ML	1	REMOVE 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND RIGHT SIDE. RIGHT CULVERT INVERT BURRIED.
0010	194+08	ML	1	REMOVE 12 LF OF 24" CPRC. RESET 2 SECTIONS LEFT AND 4 SECTIONS RIGHT SIDE.
0010	272+37	ML	1	REMOVE 66 LF OF 30" CMCP.
0010	303+97	ML	1	REMOVE 24 LF OF 24" CMCP.
0010	321+99	ML	1	REMOVE AEW EACH SIDE.
0010	336+59	ML	1	REMOVE AEW EACH SIDE.
0010	340+59	ML	1	REMOVE AEW EACH SIDE.
0010	374+77	ML	1	RESET 1 SECTION LEFT AND RIGHT SIDE.
0010	414+57	ML	1	REMOVE 160 LF OF 36" CMCP.
0010	437+08	ML	1	REMOVE AEW EACH SIDE.
0010	450+73	ML	1	REMOVE LEFT AEW.
0010	472+39	ML	1	REMOVE 25 LF OF 24" CPCS.
0010	496+89	ML	1	REMOVE AEW EACH SIDE.
0010	516+75	ML	1	REMOVE AEW EACH SIDE.
0010	532+84	ML	1	REMOVE AEW EACH SIDE.
0010	573+64	ML	1	REMOVE 100 LF OF 24" CMCP.
0010	582+80	ML	1	REMOVE RIGHT AEW.
0010	585+97	ML	1	REMOVE AEW EACH SIDE.
0010	597+42	ML	1	REMOVE AEW EACH SIDE.
0010	611+25	ML	1	REMOVE RIGHT AEW.
0010	619+83	ML	1	REMOVE 68 LF OF 24" CMCP.
0010	620+18	ML	1	REMOVE 54 LF OF 18" CMCP.
		TOTAL 0010	34	

204_CONCRETE REMOVALS

CATEGORY	STATION	TO	STATION	LOCATION	204.0109.S REMOVING CONCRETE SURFACE PARTIAL DEPTH SF	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	690.0250 SAWING CONCRETE LF	REMARKS
0010	208+79	-	212+83	RT	808	-	-	5	CURB PAN
0010	209+56	-	209+83	LT	54	-	-	5	CURB PAN
0010	210+21	-	217+03	LT	1,364	-	-	5	CURB PAN
0010	212+58	-	212+83	RT	-	25	-	-	
0010	213+10	-	213+25	LT	-	15	-	-	
0010	215+87	-	216+07	LT	-	20	-	-	
0010	216+83	-	216+91	RT	-	8	-	-	
0010	217+39	-	217+64	LT	-	30	10	5	3RD AVE NW RAMP
0010	220+25	-	220+50	RT	-	47	26	5	2ND AVE SE RAMP
0010	220+25	-	220+59	LT	-	42	11	5	2ND AVE SW RAMP
0010	220+85	-	221+04	RT	-	40	28	5	2ND AVE NE RAMP
0010	220+85	-	221+06	LT	-	34	38	5	2ND AVE NW RAMP
0010	223+65	-	224+00	RT	-	46	19	5	1ST AVE SE RAMP
0010	223+71	-	224+02	LT	-	48	12	5	1ST AVE SW RAMP
0010	224+35	-	224+74	LT	-	53	22	5	1ST AVE NW RAMP
0010	224+35	-	244+88	RT	-	57	8	5	1ST AVE NE RAMP
0010	227+23	-	227+52	LT	-	42	33	5	COURTHOUSE AVE SW RAMP
0010	227+31	-	227+63	RT	-	31	13	5	COURTHOUSE AVE E RAMP
0010	227+87	-	228+04	LT	-	35	34	5	COURTHOUR AVE NW RAMP
0010	228+37	-	228+52	RT	-	19	8	5	MILL ST SE RAMP
0010	228+83	-	229+16	RT	-	32	6	5	MILL ST NE RAMP
0010	229+16	-	240+66	RT	2,900	-	-	5	CURB PAN
0010	230+50	-	231+25	RT	-	75	-	-	
0010	233+39	-	233+54	LT	-	15	-	-	
0010	233+45	-	233+60	RT	-	15	-	-	
0010	233+73	-	234+05	LT	-	36	12	5	PEARL ST SE RAMP
0010	234+37	-	240+66	LT	1,260	-	-	5	CURB PAN
0010	234+38	-	234+54	LT	-	45	11	5	PEARL ST SW RAMP
0010	240+98	-	244+50	LT	704	-	-	5	CURB PAN
0010	271+86	-	271+86	RT	-	-	-	5	CULVERT WORK
0010	619+61	-	620+06	LT	-	102	-	5	STH 35 INTERSECTION
0010			UNDISTRIBUTED		-	50	10		
				TOTAL 0010	7,090	962	301	120	

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	MISCELLANEOUS QUANTITIES	SHEET 70	E

205.0100

CATEGORY	STATION	TO	STATION	LOCATION	* 205.0100 EXCAVATION COMMON CY	REMARKS
0010	117+65	-	118+65	ML	445	CULVERT REMOVAL
0010	119+30	-	120+30	ML	445	CULVERT REPLACEMENT
0010	124+93	-	125+93	ML	445	CULVERT REMOVAL
0010	212+58	-	212+83	RT	1	CURB REMOVAL
0010	213+15	-	213+25	RT	1	ADJUSTING INLET
0010	213+10	-	213+25	LT	1	CURB REMOVAL
0010	213+56	-	213+66	LT	1	ADJUSTING INLET
0010	215+87	-	216+07	LT	1	CURB REMOVAL
0010	216+83	-	216+91	RT	1	CURB REMOVAL
0010	217+39	-	217+64	LT	1	CURB REMOVAL
0010	220+25	-	220+50	RT	1	CURB REMOVAL
0010	220+25	-	220+59	LT	2	CURB REMOVAL
0010	220+85	-	221+04	RT	1	CURB REMOVAL
0010	220+85	-	221+06	LT	1	CURB REMOVAL
0010	223+65	-	224+00	RT	2	CURB REMOVAL
0010	223+71	-	224+02	LT	2	CURB REMOVAL
0010	224+35	-	224+74	LT	2	CURB REMOVAL
0010	224+35	-	244+88	RT	77	CURB REMOVAL
0010	227+23	-	227+52	LT	2	CURB REMOVAL
0010	227+31	-	227+63	RT	2	CURB REMOVAL
0010	227+87	-	228+04	LT	1	CURB REMOVAL
0010	228+37	-	228+52	RT	1	CURB REMOVAL
0010	228+83	-	229+16	RT	2	CURB REMOVAL
0010	230+50	-	231+25	RT	3	CURB REMOVAL
0010	233+39	-	233+54	LT	1	CURB REMOVAL
0010	233+45	-	233+60	RT	1	CURB REMOVAL
0010	233+73	-	234+05	LT	2	CURB REMOVAL
0010	234+38	-	234+54	LT	1	CURB REMOVAL
0010	271+87	-	272+87	ML	445	CULVERT REPLACEMENT
0010	303+47	-	304+47	ML	445	CULVERT REPLACEMENT
0010	471+89	-	472+89	ML	445	CULVERT REPLACEMENT
0010	573+14	-	574+14	ML	445	CULVERT REPLACEMENT
0010	619+33	-	620+33	ML	445	CULVERT REPLACEMENT
0010	619+11	-	620+11	LT	4	CURB REMOVAL
			TOTAL 0010		3,675	

NOTES:
(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100
(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.
(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.
(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL
5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
(6) MARSH EXCAVATION - TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL. ITEM NUMBER 205.0500
(7) ROCK EXCAVATION ITEM NUMBER 205.0200
(13) EXPANDED FILL FACTOR = 1.25
DEPENDIN G ON SELECTION S:
EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH - REDUCED EBS) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR
OR EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR
(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
(15) FACTORS USED TO COMPUTE ANTICIPATED WASTE AND THE COMPUTED WASTE VOLUME IDENTIFIED ARE FOR GENERAL INFORMATION ONLY.

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION (1) CUT (2)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13) FACTOR 1.25	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
DIVISION 1										
STA 22+15 - STA 29+00	22+14.93/29+00.00	ML	10	10	308	385	-375	0	375	GUARDRAIL & EAT GRADING
STA 65+54 - STA 79+00	65+54.00/79+00.00	ML	18	18	258	323	-305	0	305	GUARDRAIL & EAT GRADING
STA 88+15 - STA 97+59	88+15.00/97+59.00	ML	7	7	566	708	-701	0	701	GUARDRAIL & EAT GRADING
STA 112+57 - STA 126+50	112+57.03/126+50.00	ML	1,742	1,742	599	749	993	993	0	LYKENS LAKE * INCLUDES RIPRAP*
STA 133+56 - STA 143+50	133+56.00/143+50.00	ML	35	35	333	416	-381	0	381	GUARDRAIL & EAT GRADING
STA 151+15 - STA 160+97	151+15.00/160+97.00	ML	31	31	778	973	-942	0	942	GUARDRAIL & EAT GRADING
STA 181+82 - STA 189+26	181+82.00/189+26.00	ML	4	4	271	339	-335	0	335	GUARDRAIL & EAT GRADING
STA 201+44 - STA 208+50	201+44.00/208+50.00	ML	51	51	1,069	1,336	-1,285	0	1,285	GUARDRAIL & EAT GRADING
STA 296+06 - STA 308+00	296+06.00/308+00.00	ML	21	21	856	1,070	-1,049	0	1,049	BALSAM LAKE
STA 117+65 -STA 620+11	PROJECT	ML	3,675	-	-	-	-	-	-	CULVERT WORK & CURB RAMPS
DIVISION 1 SUBTOTAL			5,594	1,919	5,038	6,298	-4,379	993	5,372	
GRAND TOTAL			5,594	1,919	5,038	6,298	-4,379	993	5,372	
TOTAL COMMON EXC			5,594							

204_ASPHALTIC REMOVALS

CATEGORY	STATION	TO	STATION	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	690.0150 SAWING ASPHALT LF	REMARKS
0010	17+99	-	18+99	ML	536	-	-	BEGINNING OF PROJECT
0010	22+83	-	27+83	LT	-	175	-	1.0-INCH DEPTH GUARDRAIL
0010	66+23	-	69+67	LT	-	121	-	1.0-INCH DEPTH GUARDRAIL
0010	72+14	-	78+20	LT	-	208	-	1.0-INCH DEPTH GUARDRAIL
0010	88+84	-	95+90	LT	-	242	-	1.0-INCH DEPTH GUARDRAIL
0010	93+90	-	97+59	RT	-	129	-	1.0-INCH DEPTH GUARDRAIL
0010	112+57	-	126+27	LT	-	465	-	1.0-INCH DEPTH GUARDRAIL
0010	113+94	-	124+36	RT	-	354	-	1.0-INCH DEPTH GUARDRAIL
0010	117+63	-	117+63	ML	-	-	36	CULVERT REAPIR
0010	120+31	-	120+31	ML	-	-	34	CULVERT REAPIR
0010	120+87	-	120+87	ML	-	-	32	
0010	125+56	-	125+97	RT	-	-	41	CULVERT REAPIR
0010	125+97	-	125+97	ML	-	-	39	CULVERT REAPIR
0010	134+25	-	142+81	RT	-	300	-	1.0-INCH DEPTH GUARDRAIL
0010	136+30	-	141+36	LT	-	175	-	1.0-INCH DEPTH GUARDRAIL
0010	151+84	-	160+28	LT	-	287	-	1.0-INCH DEPTH GUARDRAIL
0010	152+27	-	155+71	RT	-	121	-	1.0-INCH DEPTH GUARDRAIL
0010	182+51	-	188+57	RT	-	210	-	1.0-INCH DEPTH GUARDRAIL
0010	202+14	-	207+68	LT	-	191	-	1.0-INCH DEPTH GUARDRAIL
0010	202+15	-	207+68	RT	-	190	-	1.0-INCH DEPTH GUARDRAIL
0010	296+95	-	306+89	RT	-	123	-	1.0-INCH DEPTH GUARDRAIL
0010	298+76	-	301+40	LT	-	45	-	1.0-INCH DEPTH GUARDRAIL
0010	207+68	-	245+58	ML	-	10,490	-	3.25-INCH DEPTH (12-FT TRAVEL LANES ONLY)
0010	217+37	-	217+64	LT	-	-	37	3RD AVE NW RAMP
0010	220+23	-	220+53	RT	-	-	60	2ND AVE SE RAMP
0010	220+23	-	220+61	LT	-	-	56	2ND AVE SW RAMP
0010	220+83	-	221+06	RT	-	-	43	2ND AVE NE RAMP
0010	220+84	-	221+06	LT	-	-	45	2ND AVE NW RAMP
0010	223+64	-	224+02	RT	-	-	55	1ST AVE SE RAMP
0010	223+69	-	224+05	LT	-	-	60	1ST AVE SW RAMP
0010	224+33	-	224+76	LT	-	-	65	1ST AVE NW RAMP
0010	224+33	-	224+90	RT	-	-	68	1ST AVE NE RAMP
0010	227+21	-	227+54	LT	-	-	56	COURTHOUSE AVE SW RAMP
0010	227+30	-	227+65	RT	-	-	40	COURTHOUSE AVE E RAMP
0010	227+83	-	228+07	LT	-	-	49	COURTHOUR AVE NW RAMP
0010	228+35	-	228+54	RT	-	-	35	MILL ST SE RAMP
0010	228+81	-	228+99	RT	-	-	51	MILL ST NE RAMP
0010	233+84	-	234+08	LT	-	-	46	PEARL ST SE RAMP
0010	234+35	-	234+55	LT	-	-	53	PEARL ST SW RAMP
0010	267+59	-	273+18	ML	-	3,626	-	3.25-INCH DEPTH (STH 46/CTH I INTERSECTION)
0010	271+84	-	271+84	ML	-	-	40	CULVERT REAPIR
0010	272+90	-	272+90	ML	-	-	34	CULVERT REAPIR
0010	380+70	-	383+60	RT	-	280	-	RIGHT TURN LANE TRANSITION
0010	380+88	-	386+25	LT	-	435	-	BYPASS LANE
0010	482+17	-	488+29	LT	-	397	-	CTH G BYPASS LANE
0010	573+09	-	573+09	ML	-	-	34	CULVERT REAPIR
0010	574+19	-	574+19	ML	-	-	34	CULVERT REAPIR
0010	578+23	-	582+03	RT	-	237	-	RIGHT TURN LANE TRANSITION
0010	581+04	-	586+73	ML	-	3,646	-	3.25-INCH DEPTH (STH 46/CTH G INTERSECTION)
0010	618+60	-	621+36	ML	-	1,318	-	3.25-INCH DEPTH (STH 46/STH 35 INTERSECTION)
0010	619+31	-	619+31	ML	-	-	33	CULVERT REAPIR
0010	619+65	-	620+66	LT	-	-	124	
0010	621+36	-	622+53	ML	131	-	-	END OF PROJECT
0010	17+99	-	622+08	LT/RT	2,103	4,235	-	DRIVEWAYS & SIDE ROADS
				TOTAL 0010	2,770	28,000	1,300	
0020	208+68	-	244+58	LT/RT	430	8,000	-	3.25-INCH DEPTH (PARKING LANES)
				TOTAL 0020	430	8,000	0	
				PROJECT TOTAL	3,200	36,000	1,300	

305_BASE AGGREGATE

CATEGORY	STATION	TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL	REMARKS
0010	17+99	-	71+75	RT	373	-	-	7.0	TOPDRESSING SHOULDER
0010	17+99	-	22+15	LT	29	-	-	1.0	TOPDRESSING SHOULDER
0010	22+15	-	28+51	LT	62	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	28+51	-	65+53	LT	257	30	-	5.0	SHOULDER WORK AND WORK AT 134TH AVE
0010	65+53	-	70+35	LT	50	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	70+35	-	71+45	LT	9	-	-	0.2	TOPDRESSING SHOULDER
0010	71+45	-	78+90	LT	65	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	71+75	-	93+17	RT	149	-	-	3.0	TOPDRESSING SHOULDER
0010	78+90	-	88+16	LT	65	-	-	1.0	TOPDRESSING SHOULDER
0010	88+16	-	96+60	LT	67	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	93+17	-	98+26	RT	50	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	96+60	-	111+87	LT	120	-	-	2.0	TOPDRESSING SHOULDER
0010	98+26	-	113+23	RT	104	-	-	2.0	TOPDRESSING SHOULDER
0010	111+87	-	127+00	LT	150	350	-	3.0	SHOULDERING AT GUARDRAIL, REMOVING CULVERT
0010	113+23	-	124+90	RT	125	350	-	3.0	SHOULDERING AT GUARDRAIL, REPLACING CULVERT
0010	124+90	-	126+25	RT	10	350	-	1.0	TOPDRESSING SHOULDER, REPLACING CULVERT
0010	126+25	-	133+55	RT	51	-	-	1.0	TOPDRESSING SHOULDER
0010	127+00	-	135+61	LT	60	-	-	1.0	TOPDRESSING SHOULDER
0010	133+55	-	143+51	RT	75	-	-	2.0	SHOULDERING AT GUARDRAIL
0010	135+61	-	142+05	LT	75	-	-	2.0	SHOULDERING AT GUARDRAIL
0010	142+05	-	151+14	LT	64	-	-	1.0	TOPDRESSING SHOULDER
0010	143+51	-	151+58	RT	56	-	-	1.0	TOPDRESSING SHOULDER
0010	151+14	-	160+97	LT	75	-	-	2.0	SHOULDERING AT GUARDRAIL
0010	151+58	-	156+41	RT	50	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	156+41	-	181+81	RT	175	-	-	4.0	TOPDRESSING SHOULDER
0010	160+97	-	201+44	LT	281	-	-	6.0	TOPDRESSING SHOULDER
0010	181+81	-	189+27	RT	51	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	189+27	-	201+46	RT	85	-	-	2.0	TOPDRESSING SHOULDER
0010	201+44	-	207+78	LT	48	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	201+46	-	208+68	RT	50	-	-	1.0	SHOULDERING AT GUARDRAIL
0010	217+39	-	217+64	LT	5	10	-	0.1	3RD AVE NW CURB RAMP
0010	220+25	-	220+50	RT	7	10	-	0.1	2ND AVE SE CURB RAMP
0010	220+25	-	220+59	LT	10	10	-	0.2	2ND AVE SW CURB RAMP
0010	220+85	-	221+04	RT	8	10	-	0.2	2ND AVE NE CURB RAMP
0010	220+85	-	221+06	LT	10	10	-	0.2	2ND AVE NW CURB RAMP
0010	223+65	-	224+00	RT	11	10	-	0.2	1ST AVE SE CURB RAMP
0010	223+71	-	224+02	LT	10	10	-	0.2	1ST AVE SW CURB RAMP
0010	224+35	-	224+74	LT	13	10	-	0.3	1ST AVE NW CURB RAMP
0010	224+35	-	244+88	RT	14	10	-	0.3	1ST AVE NE CURB RAMP
0010	227+23	-	227+52	LT	13	10	-	0.3	COURTHOUSE AVE SW CURB RAMP
0010	227+31	-	227+63	RT	6	10	-	0.1	COURTHOUSE AVE E CURB RAMP
0010	227+87	-	228+04	LT	10	10	-	0.2	COURTHOUSE AVE NW CURB RAMP
0010	228+37	-	228+52	RT	4	10	-	0.1	MILL STREET SE CURB RAMP
0010	228+83	-	229+16	RT	5	10	-	0.1	MILL STREET NE CURB RAMP
0010	233+73	-	234+05	LT	7	10	-	0.1	PEARL STREET SE CURB RAMP
0010	234+38	-	234+54	LT	7	10	-	0.1	PEARL STREET SW CURB RAMP
0010	244+10	-	268+60	RT	30	-	-	1.0	TOPDRESSING SHOULDER
0010	244+58	-	269+78	LT	25	-	-	1.0	TOPDRESSING SHOULDER
0010	270+98	-	297+90	LT	75	350	-	2.0	TOPDRESSING SHOULDER, REPLACING CULVERT
0010	272+25	-	296+05	RT	66	-	-	1.0	TOPDRESSING SHOULDER
0010	296+05	-	306+97	RT	66	-	-	1.0	SHOULDERING FOR GUARDRAIL
0010	297+90	-	302+28	LT	46	-	-	1.0	SHOULDERING FOR GUARDRAIL
0010	302+28	-	327+34	LT	87	-	-	2.0	TOPDRESSING SHOULDER
0010	307+45	-	310+41	RT	10	-	-	1.0	TOPDRESSING SHOULDER
0010	310+80	-	327+03	RT	56	-	-	1.0	TOPDRESSING SHOULDER
0010	328+45	-	379+40	RT	177	-	-	4.0	TOPDRESSING SHOULDER
0010	327+34	-	379+60	LT	181	-	-	4.0	TOPDRESSING SHOULDER
0010	380+70	-	383+60	RT	10	-	-	1.0	TOPDRESSING SHOULDER
0010	380+89	-	402+25	LT	74	-	-	1.0	TOPDRESSING SHOULDER
0010	384+90	-	431+87	RT	163	-	-	3.0	TOPDRESSING SHOULDER
0010	403+38	-	432+10	LT	100	-	-	2.0	TOPDRESSING SHOULDER
0010	433+16	-	484+45	RT	178	-	-	4.0	TOPDRESSING SHOULDER
0010	433+34	-	583+37	LT	521	-	-	10.0	TOPDRESSING SHOULDER
0010	485+65	-	528+67	RT	149	-	-	3.0	TOPDRESSING SHOULDER
0010	528+84	-	541+00	RT	42	-	-	1.0	TOPDRESSING SHOULDER
0010	541+12	-	553+93	RT	45	-	-	1.0	TOPDRESSING SHOULDER
0010	554+25	-	582+05	RT	98	350	-	2.0	TOPDRESSING SHOULDER, REPLACING CULVERT
0010	584+50	-	621+53	LT	128	-	-	3.0	TOPDRESSING SHOULDER
0010	585+72	-	622+53	RT	128	700	-	3.0	TOPDRESSING SHOULDER, REPLACING CULVERTS
0010	17+99	-	622+53	LT/RT	1,284	-	-	25.0	DRIVEWAYS
0010			PROJECT		-	-	568	-	
				TOTAL 0010	6,760	2,640	568	140.0	

3

327_CIR

CATEGORY	STATION	TO	STATION	LOCATION	211.0800.S BASE REPAIR FOR CIR LAYER CY	327.1000.S CIR ASPHALTIC BASE LAYER SY	455.0770.S ASPHALT STABILIZING AGENT TON	REMARKS
0010	17+99	-	208+68	ML	-	63,564	330	30-FT WIDTH
0010	244+58	-	268+59	ML	-	10,670	55	40-FT WIDTH
0010	272+17	-	582+03	ML	-	117,058	608	34-FT WIDTH
0010	585+72	-	619+60	ML	-	12,798	67	34-FT WIDTH
0010			PROJECT 8030-00-70		750	-	-	
				TOTAL 0010	750	204,090	1,060	

465.S_HMA SPECIALTIES

CATEGORY	STATION	TO	STATION	LOCATION	460.0105.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	460.0110.S HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH	460.9000.S MATERIAL TRANSFER VEHICLE EACH	REMARKS
0010			PROJECT 8030-00-70		1	1	1	
				TOTAL 0010	1	1	1	

465_HMA

CATEGORY	STATION	TO	STATION	LOCATION	455.0605 TACK COAT GAL	460.6225 HMA PAVEMENT 5 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0110 ASPHALTIC SURFACE PATCHING TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0520 ASPHALTIC RUMBLE STRIPS, SHOULDER LF	465.0560 ASPHALTIC RUMBLE STRIPS, CENTERLINE LF	REMARKS
0010	17+99	-	208+68	ML	9,390	9,789	-	-	-	-	18,965	
0010	70+82	-	72+66	RT	33	35	-	-	-	-	-	140TH AVE
0010	125+08	-	127+09	RT	49	54	-	-	-	-	-	150TH AVE (EAST)
0010	126+27	-	128+13	LT	49	54	-	-	-	-	-	150TH AVE (WEST)
0010	208+68	-	244+58	ML	1,340	1,742	-	-	-	-	-	3.25-INCH 12-FT TRAVEL LANES
0010	244+58	-	268+60	ML	1,513	1,666	-	-	-	-	-	
0010	251+56	-	252+28	RT	19	20	-	-	-	-	-	TILLTAG DR
0010	259+18	-	259+90	LT	17	18	-	-	-	-	-	BADGER DR
0010	265+17	-	266+15	RT	20	22	-	-	-	-	-	POLK COUNTY PLAZA
0010	266+04	-	266+80	LT	26	28	-	-	-	-	-	EAGLE DR
0010	268+60	-	272+18	ML	345	448	-	-	-	-	-	3.25-INCH STH 46/CTH I/150TH ST INTERSECTION
0010	272+18	-	582+04	ML	16,604	18,027	-	-	-	61,970	-	
0010	277+28	-	278+14	RT	19	20	-	-	-	-	-	ACCESS RD
0010	287+94	-	289+58	RT	42	42	-	-	-	-	-	PINE CREST RD
0010	310+04	-	310+97	RT	27	30	-	-	-	-	-	PLEASANT AVE
0010	326+94	-	328+55	RT	52	52	-	-	-	-	-	180TH AVE (EAST)
0010	327+14	-	328+73	LT	48	48	-	-	-	-	-	180TH AVE (WEST)
0010	330+00	-	618+00	ML	-	-	-	-	-	-	28,800	
0010	377+06	-	380+89	LT	82	82	-	-	-	-	-	190TH AVE (WEST)
0010	379+25	-	380+70	RT	53	53	-	-	-	-	-	190TH AVE (EAST)
0010	402+25	-	403+38	LT	36	36	-	-	-	-	-	195TH AVE
0010	431+77	-	433+32	RT	48	48	-	-	-	-	-	200TH AVE (EAST)
0010	431+90	-	433+49	LT	45	45	-	-	-	-	-	200TH AVE (WEST)
0010	482+31	-	486+49	RT	68	68	-	-	-	-	-	CTH G (EAST)
0010	527+97	-	529+13	RT	32	35	-	-	-	-	-	150TH ST
0010	540+41	-	541+75	RT	40	44	-	-	-	-	-	220TH AVE
0010	553+78	-	554+42	RT	14	16	-	-	-	-	-	154TH ST
0010	582+04	-	585+73	ML	346	450	-	-	-	-	-	3.25-INCH STH 46/CTH G/160TH ST INTERSECTION
0010	585+72	-	619+60	ML	1,795	2,090	-	-	-	7,180	-	
0010	619+60	-	622+08	ML	163	211	-	-	-	-	-	3.25-INCH STH 46/STH 35 INTERSECTION
0010	17+99	-	622+08	LT/RT	325	-	-	-	375	-	-	DRIVEWAYS
0010			PROJECT 8030-00-70		-	197	500	150	-	-	-	CULVERT PATCHESS, CURB RAMPS, SAFETY EDGE
				TOTAL 0010	32,640	35,470	500	150	375	69,150	47,765	
0020	208+68	-	244+58	LT	600	655	-	-	-	-	-	PARKING LANES
0020	208+68	-	244+58	RT	590	765	-	-	-	-	-	PARKING LANES
				TOTAL 0020	1,190	1,420	0	0	0	0	0	
				PROJECT TOTAL	33,830	36,890	500	150	375	69,150	47,765	

DESCRIPTION	STATION/ LOCATION		MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO USE	
								MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
12-FOOT DRIVING LANES	17+99	208+68	LOWER LAYER	COLD IN PLACE RECYCLYING	HMA PAVEMENT 5 MT 58-28 S	3,560	1.25	PWL INCENTIVE AIR VOIDS HMA PAVEMENT (460.2010)	INCENTIVE DENSITY PWL HMA PAVEMENT (460.2005)
	208+68	244+58		EXISTING HMA PAVEMENT	HMA PAVEMENT 5 MT 58-28 S	938	1.75		
	244+58	268+60		COLD IN PLACE RECYCLYING	HMA PAVEMENT 5 MT 58-28 S	448	1.25		
	272+17	582+03				5,784	1.25		
	585+72	619+60				649	1.25		
12-FOOT DRIVING LANES	17+99	208+68	UPPER LAYER	HMA PAVEMENT 5 MT 58-28 S	HMA PAVEMENT 5 MT 58-28 S	4,271	1.5	PWL INCENTIVE AIR VOIDS HMA PAVEMENT (460.2010)	INCENTIVE DENSITY PWL HMA PAVEMENT (460.2005)
	208+68	244+58				804	1.5		
	244+58	268+60				538	1.5		
	272+17	582+03				6,941	1.5		
	585+72	619+60				779	1.5		
VARIOUS WIDTH SHOULDERS	17+99	208+68	LOWER LAYER	COLD IN PLACE RECYCLYING	HMA PAVEMENT 5 MT 58-28 S	890	1.25	PWL INCENTIVE AIR VOIDS HMA PAVEMENT (460.2010)	ACCEPTANCE TESTING BY THE DEPARTMENT (SS 460.3.3.2); NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
	244+58	265+68				263	1.25		
	272+17	381+05				847	1.25		
	385+20	582+03				1,531	1.25		
	585+72	619+60				301	1.25		
VARIOUS WIDTH SHOULDERS	17+99	208+68	UPPER LAYER	HMA PAVEMENT 5 MT 58-28 S	HMA PAVEMENT 5 MT 58-28 S	1,068	1.5	PWL INCENTIVE AIR VOIDS HMA PAVEMENT (460.2010)	ACCEPTANCE TESTING BY THE DEPARTMENT (SS 460.3.3.2); NOT ELIGIBLE FOR INCENTIVE OR DISINCENTIVE
	244+58	265+68				315	1.5		
	272+17	381+05				1,016	1.5		
	385+20	582+03				1,837	1.5		
	585+72	619+60				361	1.5		
PARKING LANE	208+68	244+58	LOWER LAYER	EXISTING HMA PAVEMENT	HMA PAVEMENT 5 MT 58-28 S	828	1.75	QMP PER SS 460.2.8	INCENTIVE DENSITY HMA PAVEMENT 460.2000
	208+68	244+58	UPPER LAYER	HMA PAVEMENT 5 MT 58-28 S		592	1.5		
BYPASS LANE	265+68	268+60	LOWER LAYER	COLD IN PLACE RECYCLING (INSIDE 8') EXISTING HMA PAVEMENT (OUTSIDE 4')	HMA PAVEMENT 5 MT 58-28 S	37	1.25	QMP PER SS 460.2.8	INCENTIVE DENSITY HMA PAVEMENT 460.2000
	381+05	385+20		COLD IN PLACE RECYCLING (INSIDE 5') EXISTING HMA PAVEMENT (OUTSIDE 7')		39	1.5		
BYPASS LANE	265+68	268+60	UPPER LAYER	HMA PAVEMENT 5 MT 58-28 S	HMA PAVEMENT 5 MT 58-28 S	65	1.5	QMP PER SS 460.2.8	INCENTIVE DENSITY HMA PAVEMENT 460.2000
	381+05	385+20		HMA PAVEMENT 5 MT 58-28 S		32	1.25		
INTERSECTIONS & SLIP LANES	268+60	272+17	LOWER LAYER	EXISTING HMA PAVEMENT	HMA PAVEMENT 5 MT 58-28 S	241	1.75	QMP PER SS 460.2.8	INCENTIVE DENSITY HMA PAVEMENT 460.2000
	582+03	585+72				242	1.75		
	619+60	622+08				81	1.25		
INTERSECTIONS & SLIP LANES	268+60	272+17	UPPER LAYER	HMA PAVEMENT 5 MT 58-28 S	HMA PAVEMENT 5 MT 58-28 S	207	1.5	QMP PER SS 460.2.8	INCENTIVE DENSITY HMA PAVEMENT 460.2000
	582+03	585+72				208	1.5		
	619+60	622+08				130	1.5		
SIDEROADS	VARIES		UPPER LAYER	HMA PAVEMENT 5 MT 58-28 S	HMA PAVEMENT 5 MT 58-28 S	850	2.75	QMP PER SS 460.2.8	INCENTIVE DENSITY HMA PAVEMENT 460.2000
CULVERTS AND CURB RAMPS	-		PATCHING	VARIES	ASPHALTIC SURFACE PATCHING	500	VARIES	QMP PER SS 460.2.8	ACCEPTANCE BY ORDINARY COMPACTION (SS 450.3.2.6.2)
VARIOUS	-		PATCHING	VARIES	ASPHALTIC SURFACE PATCHING	150	VARIES	QMP PER SS 460.2.8	ACCEPTANCE BY ORDINARY COMPACTION (SS 450.3.2.6.2)
DRIVEWAYS & FIELD ENTRANCES	-		-	VARIES	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	375	VARIES	QMP PER SS 460.2.8	ACCEPTANCE BY ORDINARY COMPACTION (SS 450.3.2.6.2)

520_CULVERT LINERS

CATEGORY	STATION	LOCATION	520.9700.S.01 CULVERT PIPE LINERS (24-INCH) LF	520.9700.S.02 CULVERT PIPE LINERS (30-INCH)	520.9700.S.03 CULVERT PIPE LINERS (36-INCH)	520.9750.S.01 CLEANING CULVERT PIPES FOR LINER VERIFICATION EACH	REMARKS
0010	321+99	ML	146	-	-	1	0.1% CMCP
0010	336+59	ML	-	189	-	1	2.7% CMCP
0010	340+59	ML	146	-	-	1	7.5% CMCP
0010	374+77	ML	-	131	-	1	0.7% CMCP
0010	414+57	ML	-	-	160	1	0.01% CMCP
		TOTAL 0010	292	320	160	5	

520_CULVERTS

CATEGORY	STATION	LOCATION	208.1500.S TEMPORARY LANE SHIFT DURING CULVERT WORK EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	520.8700 CLEANING CULVERT PIPES EACH	521.3124 CULVERT PIPE CORRUGATED STEEL 24-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0430 CULVERT PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	633.5200 MARKERS CULVERT END EACH	SPV.0060.01 SPECIAL (RESETTING PIPE END SECTIONS) EACH	SPV.0090.01 DITCH CLEANING LF	REMARKS
0010	24+45	ML	-	-	1	-	-	-	2	4	100	
0010	42+72	ML	-	-	-	-	-	-	2	4	-	
0010	55+59	ML	-	-	1	-	-	-	2	4	-	
0010	58+02	ML	-	-	1	-	-	-	2	-	100	
0010	62+82	ML	-	-	1	-	-	-	2	-	-	
0010	67+79	ML	-	-	1	-	-	-	2	3	-	
0010	76+82	ML	-	-	1	-	-	-	2	4	-	
0010	101+93	ML	-	-	1	-	-	-	2	4	-	
0010	119+80	ML	-	-	-	-	94	-	2	-	-	TO BE COMPLETED DURING DETOUR
0010	122+62	ML	-	-	-	-	-	-	2	-	-	
0010	159+59	ML	-	-	-	-	-	-	2	6	-	
0010	169+38	ML	-	-	1	-	-	-	2	4	100	
0010	194+08	ML	-	-	-	-	-	-	2	6	-	
0010	272+37	ML	-	-	-	-	-	64	2	-	-	SHALLOW CULVERT, TO BE COMPLETED UNDER FLAGGING OPERATIONS
0010	294+52	ML	-	-	1	-	-	-	2	-	-	
0010	303+97	ML	-	2	-	24	-	-	2	-	-	SHALLOW CULVERT, TO BE COMPLETED UNDER FLAGGING OPERATIONS, CULVERT MATERIAL TO BE 0.064" THICK
0010	321+99	ML	-	-	-	-	-	-	2	-	-	
0010	336+59	ML	-	-	-	-	-	-	2	-	100	
0010	340+59	ML	-	-	-	-	-	-	2	-	-	
0010	374+77	ML	-	-	-	-	-	-	2	2	-	
0010	387+28	ML	-	-	1	-	-	-	2	-	-	
0010	406+72	ML	-	-	-	-	-	-	2	-	-	
0010	414+57	ML	-	-	-	-	-	-	2	-	-	
0010	437+08	ML	-	-	1	-	-	-	2	-	-	
0010	450+73	ML	-	-	-	-	-	-	2	-	-	
0010	472+39	ML	-	1	-	26	-	-	2	-	-	FLAG TRAFFIC AS NEEDED, CULVERT MATERIAL TO BE 0.064" THICK
0010	496+89	ML	-	-	1	-	-	-	2	-	-	
0010	516+75	ML	-	-	1	-	-	-	2	-	-	
0010	532+84	ML	-	-	-	-	-	-	2	-	-	
0010	544+31	ML	-	-	-	-	-	-	2	-	-	
0010	573+64	ML	1	-	-	100	-	-	2	-	-	CULVERT MATERIAL TO BE 0.064" THICK
0010	582+80	RT	-	-	1	-	-	-	1	-	-	
0010	585+97	ML	-	-	1	-	-	-	2	-	-	
0010	597+42	ML	-	-	1	-	-	-	2	-	-	
0010	611+25	ML	-	-	1	-	-	-	2	-	-	
0010	619+83	ML	1	-	-	68	-	-	2	-	-	LANE SHIFT TO ASSIST WITH INTERSECTION TRAFFIC OPERATIONS AS NEEDED, CULVERT MATERIAL TO BE 0.064" THICK
0010	620+18	LT	-	-	-	-	54	-	2	-	-	
		TOTAL 0010	2	3	17	218	148	64	73	41	400	

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521_APRON ENDWALLS

CATEGORY	STATION	LOCATION	521.1024 APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	521.1030 APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH EACH	521.1036 APRON ENDWALLS FOR CULVERT PIPE STEEL 36-INCH EACH	521.1048 APRON ENDWALLS FOR CULVERT PIPE STEEL 48-INCH EACH	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	REMARKS
0010	24+45	ML	-	-	-	-	-	2	-	
0010	42+72	ML	-	-	-	-	-	2	-	
0010	55+59	ML	-	-	-	-	-	2	-	
0010	58+02	ML	-	-	-	-	-	2	-	
0010	62+82	ML	-	-	-	-	-	2	-	
0010	67+79	ML	-	-	-	-	-	2	-	
0010	76+82	ML	-	-	-	-	-	2	-	
0010	101+93	ML	-	-	-	-	-	2	-	
0010	119+80	ML	-	-	-	-	-	2	-	
0010	159+59	ML	-	-	-	-	-	2	-	
0010	169+38	ML	-	-	-	-	-	2	-	
0010	194+08	ML	-	-	-	-	-	2	-	
0010	272+37	ML	-	-	-	-	-	-	2	
0010	303+97	ML	2	-	-	-	-	-	-	
0010	321+99	ML	2	-	-	-	-	-	-	
0010	336+59	ML	2	-	-	-	-	-	-	
0010	340+59	ML	2	-	-	-	-	-	-	
0010	374+77	ML	-	2	-	-	-	-	-	
0010	414+57	ML	-	-	2	-	-	-	-	
0010	437+08	ML	2	-	-	-	-	-	-	
0010	450+73	ML	1	-	-	-	-	-	-	
0010	472+39	ML	1	-	-	-	-	-	-	
0010	496+89	ML	2	-	-	-	-	-	-	
0010	516+75	ML	-	-	2	-	-	-	-	
0010	532+84	ML	-	-	-	2	-	-	-	
0010	573+64	ML	2	-	-	-	-	-	-	
0010	582+80	RT	-	-	-	-	1	-	-	
0010	585+97	ML	2	-	-	-	-	-	-	
0010	597+42	ML	2	-	-	-	-	-	-	
0010	611+25	ML	1	-	-	-	-	-	-	
0010	619+83	ML	2	-	-	-	-	-	-	
0010	620+18	LT	-	-	-	-	-	2	-	
		TOTAL 0010	23	2	4	2	1	26	2	

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602_PEDESTRIAN CURB RAMP

CATEGORY	STATION	TO	STATION	LOCATION	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF	REMARKS
0010	212+58	-	212+83	RT	25	-	-	-	-	
0010	213+10	-	213+25	LT	15	-	-	-	-	
0010	215+87	-	216+07	LT	20	-	-	-	-	
0010	216+83	-	216+91	RT	8	-	-	-	-	
0010	217+39	-	217+64	LT	30	18	90	-	18	3RD AVE NW RAMP
0010	220+25	-	220+50	RT	47	31	137	20	-	2ND AVE SE RAMP
0010	220+25	-	220+59	LT	42	-	227	20	-	2ND AVE SW RAMP
0010	220+85	-	221+04	RT	40	-	170	10	-	2ND AVE NE RAMP
0010	220+85	-	221+06	LT	34	-	235	10	-	2ND AVE NW RAMP
0010	223+65	-	224+00	RT	46	17	232	10	13	1ST AVE SE RAMP
0010	223+71	-	224+02	LT	48	-	227	20	-	1ST AVE SW RAMP
0010	224+35	-	224+74	LT	53	-	283	10	10	1ST AVE NW RAMP
0010	224+35	-	244+88	RT	57	-	311	10	17	1ST AVE NE RAMP
0010	227+23	-	227+52	LT	42	-	291	10	-	COURTHOUSE AVE SW RAMP
0010	227+31	-	227+63	RT	31	-	120	10	-	COURTHOUSE AVE E RAMP
0010	227+87	-	228+04	LT	35	-	221	10	-	COURTHOUR AVE NW RAMP
0010	228+37	-	228+52	RT	19	-	71	10	-	MILL ST SE RAMP
0010	228+83	-	229+16	RT	32	-	89	10	-	MILL ST NE RAMP
0010	230+50	-	231+25	RT	75	-	-	-	-	
0010	233+39	-	233+54	LT	15	-	-	-	-	
0010	233+45	-	233+60	RT	15	-	-	-	-	
0010	233+73	-	234+05	LT	36	32	148	10	-	PEARL ST SE RAMP
0010	234+38	-	234+54	LT	45	26	148	10	-	PEARL ST SW RAMP
0010	619+61	-	620+06	LT	102	-	-	-	-	
0010			UNDISTRIBUTED		50	-	90	-	-	
				TOTAL 0010	962	124	3,090	180	58	

611_STRUCTURE ADJUSTMENTS

CATEGORY	STATION	LOCATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8120.S COVER PLATES TEMPORARY EACH	SPV.0060.02 (ADJUSTING WATER VALVE COVERS) EACH	REMARKS
0010	212+84	RT	-	1	1	-	INL
0010	213+15	RT	-	1	1	-	INL
0010	213+56	LT	-	1	1	-	INL
0010	217+66	LT	-	1	1	-	INL
0010	220+89	LT	1	-	1	-	STM MH
0010	221+08	RT	-	1	1	-	INL
0010	223+99	RT	-	1	1	-	INL
0010	224+36	RT	-	1	1	-	INL
0010	224+48	LT	1	-	1	-	STM MH
0010	224+53	LT	-	1	1	-	INL
0010	224+56	RT	-	1	1	-	INL
0010	233+40	LT	-	1	1	-	INL
0010	234+57	LT	-	1	1	-	INL
		TOTAL 0010	2	11	13	0	
0020	215+47	RT	-	-	-	1	WV
0020	217+11	RT	-	-	-	1	WV
0020	220+34	RT	-	-	-	1	WV
0020	220+36	RT	-	-	-	1	WV
0020	220+79	LT	-	-	-	1	WV
0020	220+79	RT	-	-	-	1	WV
0020	220+96	RT	-	-	-	1	WV
0020	220+31	LT	-	-	-	1	WV
0020	224+31	LT	-	-	-	1	WV
0020	224+44	RT	-	-	-	1	WV
0020	227+57	RT	-	-	-	1	WV
0020	227+93	RT	-	-	-	1	WV
0020	233+24	LT	1	-	1	-	SAN MH
0020	234+07	LT	-	-	-	1	WV
0020	234+18	LT	-	-	-	1	WV
0020	234+25	LT	1	-	1	-	SAN MH
0020	237+14	RT	-	-	-	1	WV
0020	237+24	LT	1	-	1	-	SAN MH
0020	240+53	RT	-	-	-	1	WV
0020	240+74	LT	-	-	-	1	WV
0020	240+84	LT	1	-	-	-	SAN MH
0020	243+83	LT	1	-	1	-	SAN MH
0020	243+88	RT	-	-	-	1	WV
0020	244+14	RT	-	-	-	1	WV
0020	244+18	RT	-	-	-	1	WV
0020	246+61	LT	1	-	1	-	SAN MH
0020	249+79	RT	-	-	-	1	WV
0020	250+06	LT	1	-	1	-	SAN MH
0020	251+98	RT	1	-	1	-	SAN MH
		TOTAL 0020	8	0	7	21	
		PROJECT TOTAL	10	11	20	21	

614_GUARDRAIL

CATEGORY	STATION	TO	STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2340 MGS GUARDRAIL 3 L LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH	REMARKS
0010	23+33	-	23+85	LT	-	-	-	-	1	
0010	23+85	-	26+81	LT	405	-	300	-	-	
0010	26+81	-	27+33	LT	-	-	-	-	1	
0010	66+73	-	67+26	LT	-	-	-	-	1	
0010	67+26	-	68+64	LT	244	-	137.5	-	-	
0010	68+64	-	69+17	LT	-	-	-	-	1	
0010	72+64	-	73+17	LT	-	-	-	-	1	
0010	73+17	-	77+17	LT	506	-	400	-	-	
0010	77+17	-	77+70	LT	-	-	-	-	1	
0010	89+34	-	89+87	LT	-	-	-	-	1	
0010	89+87	-	94+87	LT	605	-	500	-	-	
0010	94+40	-	94+93	RT	-	-	-	-	1	
0010	94+87	-	95+40	LT	-	-	-	-	1	
0010	94+93	-	96+56	RT	266	-	162.5	-	-	
0010	96+56	-	97+09	RT	-	-	-	-	1	
0010	113+07	-	113+60	LT	-	-	-	-	1	Lyken's Lake
0010	113+60	-	125+74	LT	1,317	1,150.0	-	62.5	-	Lyken's Lake
0010	114+44	-	114+97	RT	-	-	-	-	1	Lyken's Lake
0010	114+97	-	123+33	RT	942	775.0	-	62.5	-	Lyken's Lake
0010	123+33	-	123+86	RT	-	-	-	-	1	Lyken's Lake
0010	125+74	-	126+27	LT	-	-	-	-	1	
0010	134+75	-	135+28	RT	-	-	-	-	1	
0010	135+28	-	141+78	RT	755	-	650	-	-	
0010	136+80	-	137+33	LT	-	-	-	-	1	
0010	137+33	-	140+33	LT	406	-	300	-	-	
0010	140+33	-	140+86	LT	-	-	-	-	1	
0010	141+78	-	142+31	RT	-	-	-	-	1	
0010	152+34	-	152+87	LT	-	-	-	-	1	
0010	152+77	-	153+30	RT	-	-	-	-	1	
0010	152+87	-	159+25	LT	743	-	637.5	-	-	
0010	153+30	-	154+68	RT	242	-	137.5	-	-	
0010	154+68	-	155+21	RT	-	-	-	-	1	
0010	159+25	-	159+78	LT	-	-	-	-	1	
0010	183+01	-	183+54	RT	-	-	-	-	1	
0010	183+54	-	187+54	RT	505	-	400	-	-	
0010	187+54	-	188+07	RT	-	-	-	-	1	
0010	202+64	-	203+17	LT	-	-	-	-	1	
0010	202+64	-	203+17	RT	-	-	-	-	1	
0010	203+17	-	207+50	RT	542	-	437.5	-	-	
0010	203+17	-	207+22	LT	506	-	400	-	-	
0010	207+22	-	207+76	LT	-	-	-	-	1	
0010	207+50	-	208+02	RT	-	-	-	-	1	
0010	297+25	-	297+78	RT	-	-	-	-	1	Balsam Lake
0010	297+78	-	306+35	RT	955	-	850	-	-	Balsam Lake
0010`	299+05	-	301+08	LT	203	-	-	-	-	Balsam Lake
0010	299+06	-	299+59	LT	-	-	-	-	1	Balsam Lake
0010	299+59	-	300+58	LT	206.0	-	38	62.5	-	Balsam Lake
0010	300+58	-	301+10	LT	-	-	-	-	1	Balsam Lake
0010	306+35	-	306+89	RT	-	-	-	-	1	
				TOTAL 0010	9,348	1,925.0	5,350.0	187.5	32	

628_EROSION CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.6005 TURBIDITY BARRIERS SY	628.7015 INLET PROTECTION TYPE C EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	REMARKS
0010	21+39	-	29+00	LT	-	252	252	1,095	-	-	10	5	-	
0010	42+72	-	42+72	ML	-	50	50	50	-	-	-	5	-	
0010	55+59	-	55+59	ML	-	-	-	50	-	-	-	5	-	
0010	58+02	-	58+02	ML	-	-	-	50	-	-	-	5	-	
0010	62+82	-	62+82	ML	-	85	85	50	-	-	-	5	-	
0010	65+00	-	70+75	LT	-	200	200	308	-	-	10	5	-	
0010	71+75	-	79+50	LT	-	-	-	794	-	-	40	5	-	
0010	87+50	-	96+56	LT	-	355	355	822	-	-	50	-	-	
0010	92+50	-	99+00	RT	-	-	-	989	-	-	20	-	-	
0010	101+93	-	101+93	ML	-	-	-	50	-	-	-	5	-	
0010	111+25	-	126+50	LT	32	100	100	1,337	746	-	10	-	-	
0010	112+50	-	125+56	RT	24	100	100	1,175	509	-	-	-	-	
0010	133+00	-	144+00	RT	-	460	460	385	-	-	20	-	-	
0010	135+00	-	142+75	LT	-	-	-	1,041	-	-	40	-	-	
0010	150+50	-	161+50	LT	-	200	200	1,954	-	-	60	-	-	
0010	151+00	-	157+00	RT	-	-	-	466	-	-	-	5	-	
0010	169+38	-	169+38	ML	-	-	-	50	-	-	-	5	-	
0010	181+25	-	189+75	RT	-	310	310	906	-	-	30	-	-	
0010	194+08	-	194+08	ML	-	50	50	50	-	-	-	5	-	
0010	200+75	-	209+00	LT	20	-	-	832	-	-	-	-	-	
0010	200+75	-	208+68	RT	24	200	200	1,623	-	-	30	-	-	
0010	217+66	-	217+66	LT	-	-	-	-	-	1	-	-	-	
0010	221+08	-	221+08	LT	-	-	-	-	-	1	-	-	-	
0010	223+99	-	223+99	RT	-	-	-	-	-	1	-	-	-	
0010	224+36	-	224+36	RT	-	-	-	-	-	1	-	-	-	
0010	224+52	-	224+52	LT	-	-	-	-	-	1	-	-	-	
0010	224+56	-	224+56	RT	-	-	-	-	-	1	-	-	-	
0010	233+40	-	233+40	LT	-	-	-	-	-	1	-	-	-	
0010	233+54	-	233+54	RT	-	-	-	-	-	1	-	-	-	
0010	234+57	-	234+57	LT	-	-	-	-	-	1	-	-	-	
0010	272+37	-	272+37	ML	-	-	-	50	-	-	-	5	-	
0010	294+50	-	308+50	RT	10	-	-	725	185	-	-	5	-	
0010	297+51	-	302+73	LT	-	150	150	197	-	-	-	-	-	
0010	303+97	-	303+97	ML	10	-	-	50	-	-	-	5	-	
0010	321+99	-	321+99	ML	-	50	50	50	-	-	-	5	-	
0010	336+59	-	336+59	ML	-	25	25	55	-	-	-	5	-	
0010	340+59	-	340+59	ML	-	-	-	50	-	-	-	5	-	
0010	374+77	-	374+77	ML	-	-	-	50	-	-	-	5	-	
0010	414+57	-	414+57	ML	-	25	25	55	-	-	2	5	-	
0010	450+73	-	450+73	ML	-	-	-	50	-	-	-	5	-	
0010	472+39	-	472+39	ML	-	50	50	50	-	-	-	5	-	
0010	496+89	-	496+89	ML	-	-	-	50	-	-	-	5	-	
0010	516+75	-	516+75	ML	-	50	50	55	-	-	2	5	-	
0010	532+84	-	532+84	ML	-	-	-	50	-	-	-	5	-	
0010	573+64	-	573+64	ML	-	50	50	50	-	-	-	5	-	
0010	582+80	-	582+80	RT	-	25	25	50	-	-	-	5	-	
0010	585+97	-	585+97	ML	-	-	-	55	-	-	-	5	-	
0010	597+42	-	597+42	ML	-	50	50	50	-	-	-	5	-	
0010	611+25	-	611+25	ML	-	1	1	50	-	-	-	5	-	
0010	619+83	-	619+83	ML	-	-	-	50	-	-	-	5	-	
0010	620+18	-	620+18	LT	-	-	-	55	-	-	-	5	-	
0010			UNDISTRIBUTED		-	-	-	500	-	-	50	-	100	
				TOTAL 0010	120	2,838	2,838	16,474	1,440	9	374	155	100	

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625_LYKENS AND BALSAM LAKE FILL

CATEGORY	STATION	TO	STATION	LOCATION	206.5001.01 COFFERDAMS (CULVERT 10) EACH	206.5001.02 COFFERDAMS CULVERT 11) EACH	206.5001.03 COFFERDAMS (CULVERT 12) EACH	209.1100 BACKFILL GRANULAR GRADE 1 CY	312.0110 SELECT CRUSHED MATERIAL TON	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0130 GEOTEXTILE TYPE R SY	REMARKS
0010	113+06	-	126+27	LT	0.5	0.5	0.5	710	381	-	296	1,333	LYKENS LAKE
0010	114+43	-	123+86	RT	0.5	0.5	0.5	1,020	549	-	426	1,917	LYKENS LAKE
0010	208+17	-	304+04	RT	-				-	40	-	-	BALSAM LAKE
				TOTAL 0010	1.0	1.0	1.0	1,730	930	40	722	3,250	

628_RESTORATION

CATEGORY	STATION	TO	STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0130 SEEDING MIXTURE NO. 30 LB	630.0500 SEED WATER MGAL	REMARKS
0010	21+39	-	29+00	LT	1,095	-	0.69	29.6	-	
0010	42+72	-	42+72	ML	50	-	0.03	1.4	-	
0010	55+59	-	55+59	ML	50	-	0.03	1.4	-	
0010	58+02	-	58+02	ML	50	-	0.03	1.4	-	
0010	62+82	-	62+82	ML	50	-	0.03	1.4	-	
0010	65+00	-	70+75	LT	308	-	0.19	8.3	-	
0010	71+75	-	79+50	LT	794	-	0.50	21.4	-	
0010	87+50	-	96+56	LT	822	-	0.52	22.2	-	
0010	92+50	-	99+00	RT	989	-	0.62	26.7	-	
0010	101+93	-	101+93	ML	50	-	0.03	1.4	-	
0010	111+25	-	126+50	LT	1,337	-	0.84	36.1	-	
0010	112+50	-	125+56	RT	1,175	-	0.74	31.7	-	
0010	133+00	-	144+00	RT	385	-	0.24	10.4	-	
0010	135+00	-	142+75	LT	1,041	-	0.66	28.1	-	
0010	150+50	-	161+50	LT	1,954	-	1.23	52.8	-	
0010	151+00	-	157+00	RT	466	-	0.29	12.6	-	
0010	169+38	-	169+38	ML	50	-	0.03	1.4	-	
0010	181+25	-	189+75	RT	906	-	0.57	24.5	-	
0010	194+08	-	194+08	ML	50	-	0.03	1.4	-	
0010	200+75	-	209+00	LT	832	-	0.52	22.5	-	
0010	200+75	-	208+68	RT	1,623	-	1.02	43.8	-	
0010	450+73	-	450+73	ML	50	-	0.03	1.4	-	
0010	472+39	-	472+39	ML	725	-	0.46	19.6	-	
0010	496+89	-	496+89	ML	197	-	0.12	5.3	-	
0010	516+75	-	516+75	ML	50	-	0.03	1.4	-	
0010	532+84	-	532+84	ML	50	-	0.03	1.4	-	
0010	573+64	-	573+64	ML	55	-	0.03	1.5	-	
0010	582+80	-	582+80	RT	50	-	0.03	1.4	-	
0010	585+97	-	585+97	ML	50	-	0.03	1.4	-	
0010	597+42	-	597+42	ML	55	-	0.03	1.5	-	
0010	611+25	-	611+25	ML	50	-	0.03	1.4	-	
0010	619+83	-	619+83	ML	50	-	0.03	1.4	-	
0010	620+18	-	620+18	LT	50	-	0.03	1.4	-	
0010			UNDISTRIBUTED		-	500	-	-	100.0	
				TOTAL 0010	15,509	500	9.8	418.7	100.0	

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643_TEMPORARY PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	643.3165 TEMPORARY MARKING LINE PAINT 6-INCH LF	643.3170 TEMPORARY MARKING LINE EPOXY 6-INCH LF	643.3350 TEMPORARY MARKING CROSSWALK REMOVABLE TAPE 6-INCH LF	REMARKS
0010	17+99	-	622+08	CL	181,227	-	-	SEE NOTE
0010	17+99	-	207+64	CL	-	4,741	-	12.5' MARKING
0010	208+67	-	247+50	CL	-	10,305	460	Temporary Crosswalks
0010	270+56	-	330+00	CL	-	11,888	-	
0010	330+00	-	618+00	CL	-	7,200	-	37.5' GAP
				TOTAL 0010	181,227	34,134	460	

NOTE: MARK THE CENTERLINE ON THE CIR AND MILLED PAVEMENT SURFACES AND INTERMEDIATE LAYERS.

638_SIGNS

CATEGORY	STATION	LOCATION	638.2102 MOVING SIGNS TYPE II EACH	638.4000 MOVING SMALL SIGN SUPPORTS EACH	REMARKS	
0010	124+81	LT	1	1	SALVAGE AND RE-INSTALL DIRECTIONAL ROUTE SIGN	SINGLE POST
0010	160+67	LT	2	1	SALVAGE AND RE-INSTALL FIRE NUMBER SIGN	SINGLE POST
0010	206+16	LT	1	1	SALVAGE AND RE-INSTALL SPEED LIMIT SIGN	SINGLE POST
0010	206+29	RT	1	1	SALVAGE AND RE-INSTALL SPEED LIMIT SIGN	SINGLE POST
0010	207+66	LT	1	1	SALVAGE AND RE-INSTALL "NO ATV TRAFFIC" SIGN	SINGLE POST
0010	207+89	RT	1	1	SALVAGE AND RE-INSTALL "ATV ROUTE LIMITS" SIGN	SINGLE POST
0010	298+16	RT	1	1	SALVAGE AND RE-INSTALL "NO PARKING" SIGN	SINGLE POST
0010	301+22	RT	1	1	SALVAGE AND RE-INSTALL "NO PARKING" SIGN	SINGLE POST
0010	303+42	RT	1	1	SALVAGE AND RE-INSTALL "BALSAM LAKE" SIGN	DOUBLE POST
0010	304+23	RT	1	1	SALVAGE AND RE-INSTALL "NO PARKING" SIGN	SINGLE POST
0010	306+57	RT	1	1	SALVAGE AND RE-INSTALL SPEED LIMIT AND NO PARKING SIGNS	SINGLE POST
		TOTAL 0010	12	11		

644_PEDESTRIAN DETOUR

CATEGORY	STATION	TO	STATION	LOCATION	644.1440 TEMPORARY PEDESTRIAN SURFACE MATTING SF	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF	REMARKS
0010	217+39	-	217+64	LT	50	5	3RD AVE NW RAMP
0010	220+25	-	220+50	RT	50	5	2ND AVE SE RAMP
0010	220+25	-	220+59	LT	50	5	2ND AVE SW RAMP
0010	220+85	-	221+04	RT	50	5	2ND AVE NE RAMP
0010	220+85	-	221+06	LT	50	5	2ND AVE NW RAMP
0010	223+65	-	224+00	RT	50	10	1ST AVE SE RAMP
0010	223+71	-	224+02	LT	50	5	1ST AVE SW RAMP
0010	224+35	-	224+74	LT	50	10	1ST AVE NW RAMP
0010	224+35	-	244+88	RT	50	5	1ST AVE NE RAMP
0010	227+23	-	227+52	LT	50	10	COURTHOUSE AVE SW RAMP
0010	227+31	-	227+63	RT	50	10	COURTHOUSE AVE E RAMP
0010	227+87	-	228+04	LT	50	10	COURTHOUR AVE NW RAMP
0010	228+37	-	228+52	RT	50	5	MILL ST SE RAMP
0010	228+83	-	229+16	RT	50	-	MILL ST NE RAMP
0010	233+73	-	234+05	LT	50	-	PEARL ST SE RAMP
0010	234+38	-	234+54	LT	50	-	PEARL ST SW RAMP
				TOTAL 0010	800	90	

644_TRAFFIC CONTROL

CATEGORY	STATION	TO	STATION	LOCATION	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAY	643.0900 TRAFFIC CONTROL SIGNS DAY	643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II EACH	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.1500 TRAFFIC CONTROL SPEED RADAR TRAILER DAY	643.5000 TRAFFIC CONTROL EACH	644.1601 TEMPORARY PEDESTRIAN CURB RAMP DAY	644.1900.S TEMPORARY AUDIBLE MESSAGE DEVICES DAY	648.0100 LOCATING NO-PASSING ZONES MI	REMARKS
0010	18+25	-	622+50	PHASE 1 (111 CALANDER DAYS)	77,700	1,299	2,952	-	2,775	-	18	201	-	450	222	11.4	SHOULDER CLOSURE FOR GUARDRAIL, CURB RAMP, AND CULVERT WORK
0010	18+25	-	622+50	PHASE 2 (111 CALANDER DAYS)	67,072	-	-	-	2,220	-	18	222	-	-	-	-	MILLING AND PAVING
0010	113+00	-	126+25	LYKENS LAKE (51 CALANDER DAYS - INCLUDED IN PHASE 1)	-	260	-	-	7,905	-	18	102	-	-	-	-	LYKENS LAKE GUARDRAIL REPLACEMENT
0010			UNDISTRIBUTED		-	500	-	1,000	-	10	-	-	1	-	-		COVERING SIGNS OVER 1 CYCLE
				TOTAL 0010	144,772	2,059	2,952	1,000	12,900	10	54	525	1	450	222	11.4	
0030	18+25	-	622+50	SAFTEY PILOT	-	-	-	-	-	-	-	15	-	-	-	-	
				TOTAL 0030	0	0	0	0	0	0	0	15	0	0	0	0	
				PROJECT TOTAL	144,772	2,059	2,952	1,000	12,900	10	54	540	1	450	222	11.4	

646_PERMANENT PAVEMENT MARKING

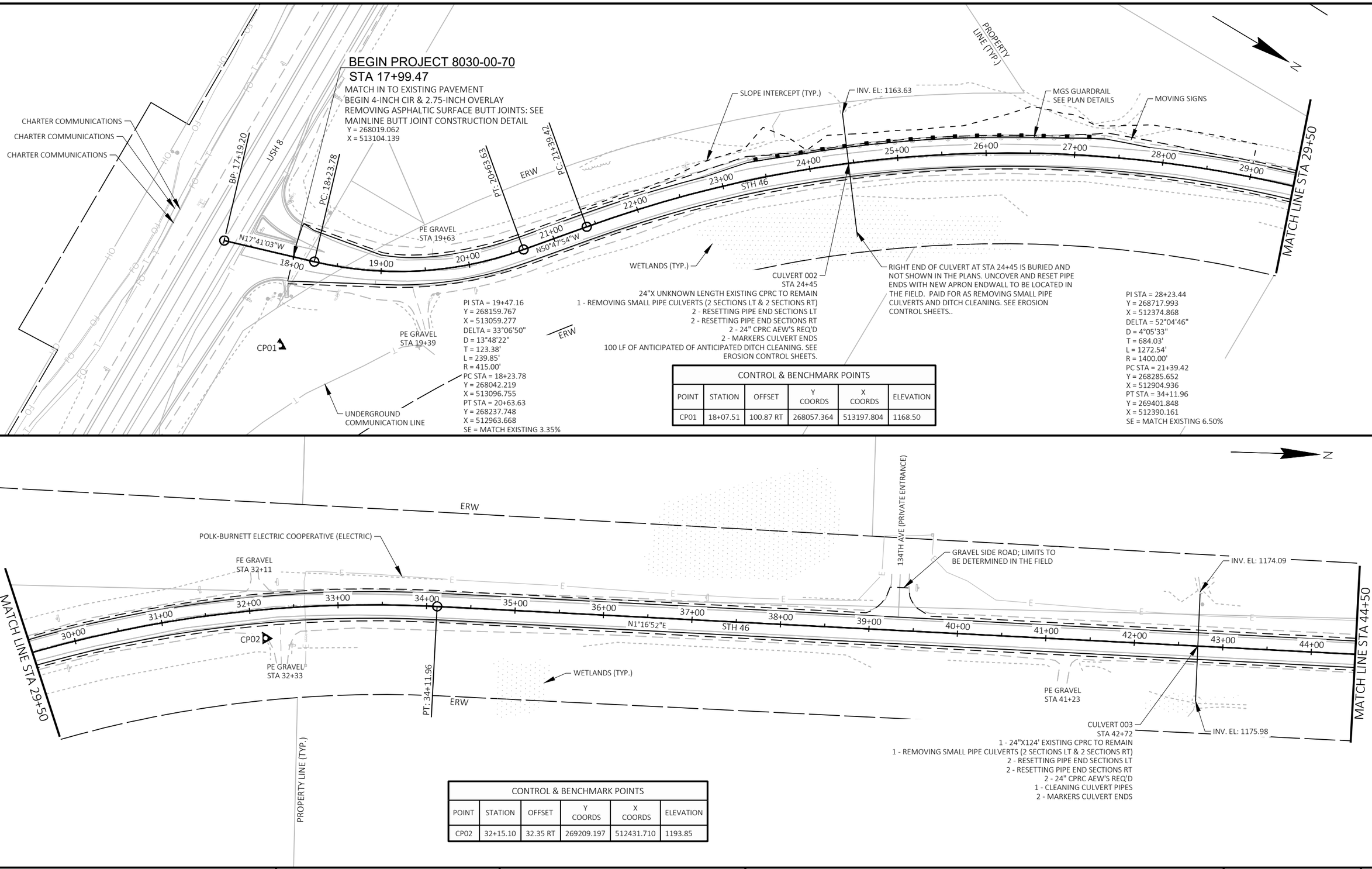
CATEGORY	STATION	TO	STATION	LOCATION	* 646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH LF	* 646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH LF	* 646.5020 MARKING ARROW EPOXY EACH	* 646.5120 MARKING WORD EPOXY EACH	* 646.6120 MARKING STOP LINE EPOXY 18-INCH LF	* 646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	* 646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	* 646.8120 MARKING CURB EPOXY LF	* 646.8320 MARKING PARKING STALL EPOXY LF	REMARKS
0010	17+99	-	209+60	LT	19,153	66	-	-	44	-	-	-	-	WHITE EDGELINE
0010	17+99	-	208+61	RT	19,069	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	17+99	-	48+60	CL	6,122	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	48+60	-	68+39	CL	2,474	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	68+39	-	83+89	CL	3,100	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	83+89	-	95+11	CL	1,403	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	95+11	-	99+52	CL	110	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	99+52	-	120+00	CL	2,560	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	120+00	-	133+21	CL	330	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	133+21	-	144+00	CL	1,349	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	144+00	-	151+08	CL	1,416	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	151+08	-	174+87	CL	2,974	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	174+87	-	180+00	CL	1,026	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	180+00	-	199+00	CL	2,375	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	199+00	-	236+10	CL	7,420	-	-	-	72	-	939	200	-	DOUBLE YELLOW CENTERLINE, CROSSWALK MARKINGS AT CURB RAMPS
0010	236+10	-	241+50	CL	675	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	241+50	-	247+44	CL	149	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	244+11	-	265+15	RT	2,104	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	244+58	-	259+00	LT	2,884	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	247+44	-	270+00	CL	4,512	-	-	-	-	-	107	-	-	DOUBLE PASSING YELLOW CENTERLINE, CROSSWALK MARKING AT VETERANS MEMORIAL PARK
0010	260+00	-	266+00	LT	600	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	266+09	-	272+00	RT	253	371	2	1	75	20	-	157	-	WHITE EDGELINE, RIGHT TURN ARROWS, AND PAINTED TEXT
0010	266+69	-	269+76	LT	307	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	270+56	-	349+85	CL	15,858	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	272+18	-	288+07	RT	3,178	-	-	-	-	-	-	-	-	WHITE EDGELIINE
0010	270+97	-	327+34	LT	5,637	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	289+12	-	307+00	RT	1,788	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	307+51	-	310+16	RT	265	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	310+93	-	327+00	RT	1,607	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	328+45	-	379+41	RT	5,096	-	-	-	-	-	-	-	-	WHITE EDGELINE

646_PERMANENT PAVEMENT MARKING

CATEGORY	STATION	TO	STATION	LOCATION	* 646.2040 MARKING LINE GROOVED WET REF EPOXY 6-INCH LF	* 646.4040 MARKING LINE GROOVED WET REF EPOXY 10-INCH LF	* 646.5020 MARKING ARROW EPOXY EACH	* 646.5120 MARKING WORD EPOXY EACH	* 646.6120 MARKING STOP LINE EPOXY 18-INCH LF	* 646.6220 MARKING YIELD LINE EPOXY 18-INCH EACH	* 646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	* 646.8120 MARKING CURB EPOXY LF	* 646.8320 MARKING PARKING STALL EPOXY LF	REMARKS
0010	328+59	-	379+59	LT	5,100	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	349+85	-	360+80	CL	1,230	-	-	-	-	-	-	-	-	SINLGE PASSING YELLOW CENTERLINE
0010	360+80	-	375+00	CL	355	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	375+00	-	380+37	CL	671	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	380+37	-	399+71	CL	3,868	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	380+71		383+61	RT	290	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	380+92	-	402+23	LT	2,131	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	384+91	-	431+88	RT	4,697	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	399+71	-	421+80	CL	2,761	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	403+30	-	432+08	LT	2,878	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	421+80	-	430+25	CL	1,690	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	430+25	-	449+89	CL	2,455	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	433+17	-	484+86	RT	5,169	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	433+32	-	583+35	LT	15,003	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	449+89	-	460+00	CL	2,022	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	460+00	-	471+25	CL	1,406	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	471+25	-	477+91	CL	833	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	477+91	-	504+00	CL	3,261	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	485+65	-	553+76	RT	6,811	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	504+00	-	509+68	CL	142	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	509+68	-	525+26	CL	1,948	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	525+26	-	545+94	CL	4,136	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
0010	545+94	-	570+83	CL	3,111	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	554+42	-	582+00	RT	2,758	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	570+83	-	583+43	CL	2,520	-	-	-	127	20	-	-	-	DOUBLE YELLOW CENTERLINE, STOP AND YIELD LINES FOR 160TH STREET INTERSECTION
0010	579+80	-	583+44	RT	-	110	2	1	-	-	-	-	-	WHITE EDGELINE
0010	584+05	-	590+25	CL	775	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	584+50	-	619+59	LT	3,509	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	585+74	-	622+53	RT	3,679	-	-	-	-	-	-	-	-	WHITE EDGELINE
0010	590+25	-	614+38	CL	603	-	-	-	-	-	-	-	-	DOUBLE PASSING YELLOW CENTERLINE
0010	614+38	-	619+72	CL	668	-	-	-	-	-	-	-	-	SINGLE PASSING YELLOW CENTERLINE
0010	619+75	-	621+70	CL	390	-	-	-	-	-	-	-	-	DOUBLE YELLOW CENTERLINE
				TOTAL 0010	202,663	547	4	2	318	40	1,046	357	0	
0020	585+00	-	622+50	LT/RT	-		-	-	-	-	-	800	950	
				TOTAL 0020	0	0	0	0	0	0	0	800	950	
				PROJECT TOTAL	202,663	547	4	2	318	40	1,046	1,157	950	

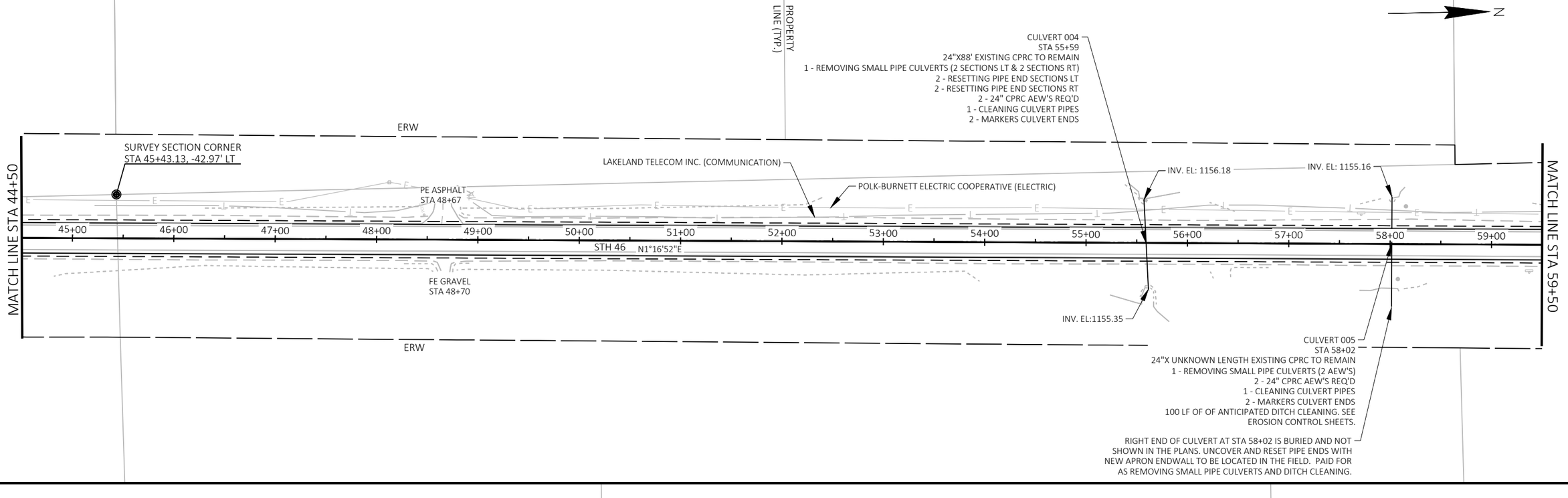
650_CONSTRUCTION STAKING

CATEGORY	STATION	TO	STATION	LOCATION	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE LF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH	650.9911.01 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) (01. TBD) EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF	REMARKS
0010	17+99	-	622+08	ML	-	8	60,409	-	-	7,463	
0010			PROJECT 8030-00-70		962	-	-	16	1		
				TOTAL 0010	962	8	60,409	16	1	7,463	

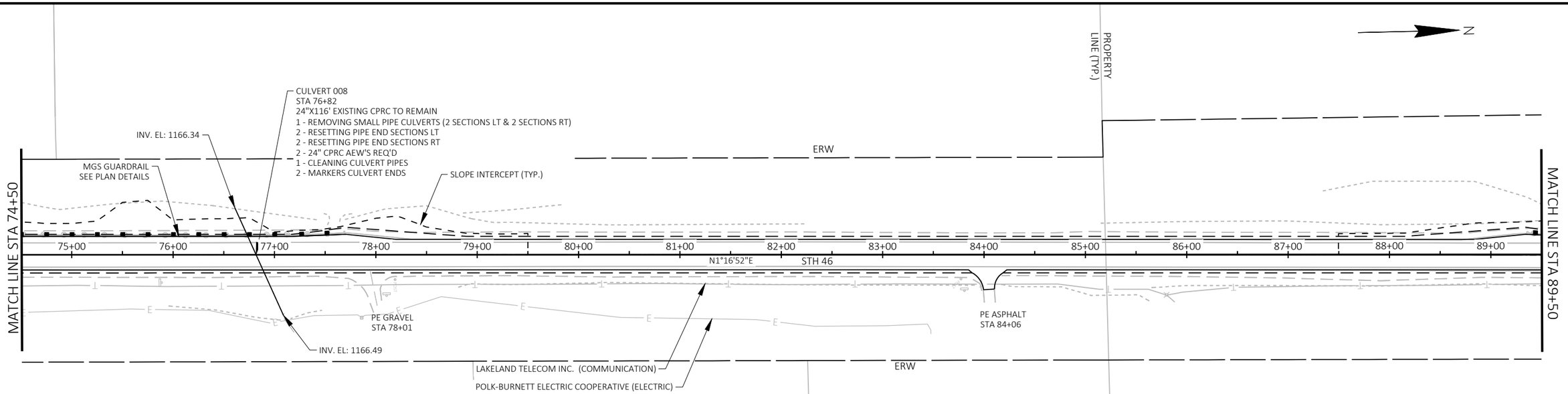


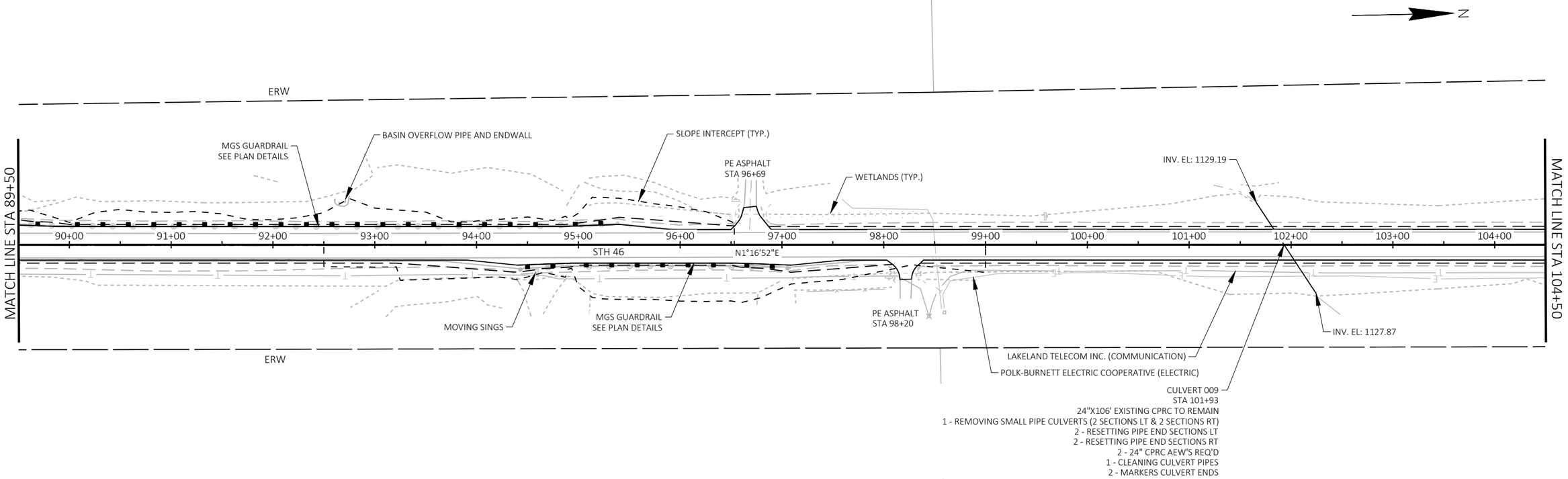
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 86 E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 01
PLOT DATE : 10/21/2025 2:54 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT

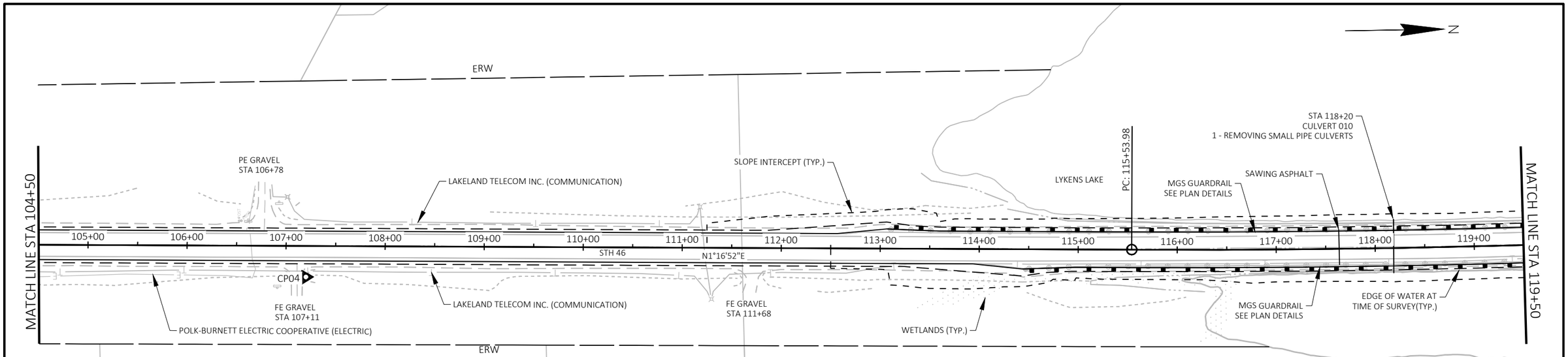


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP03	70+74.08	41.95 RT	273062.115	512513.983	1187.03

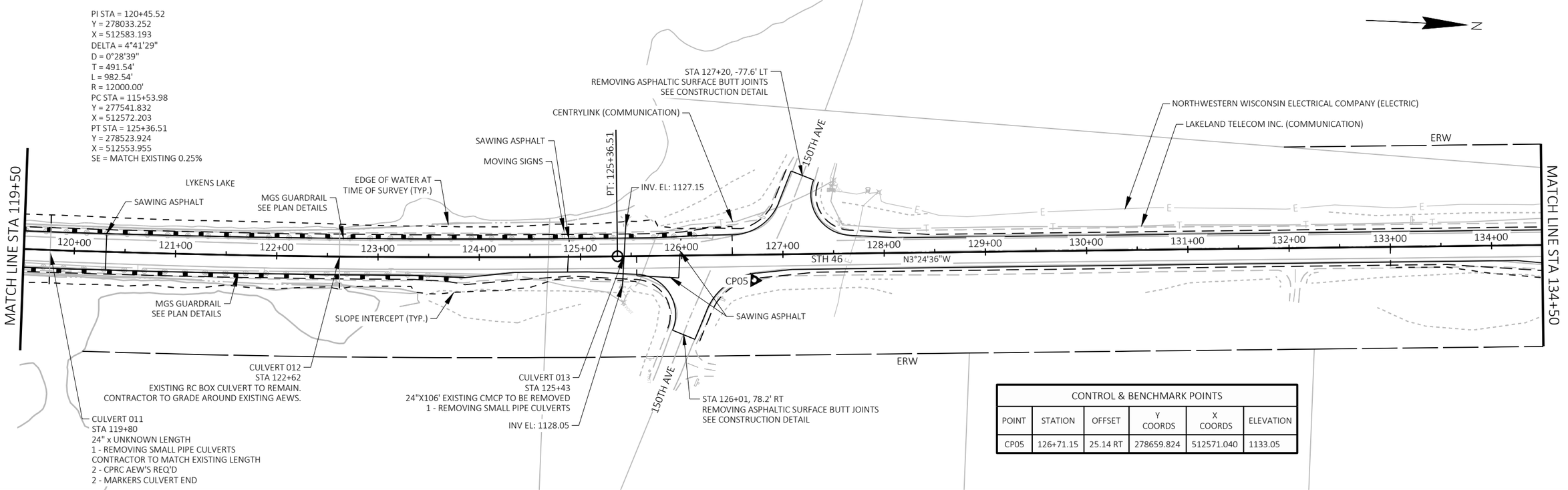




PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 88	E

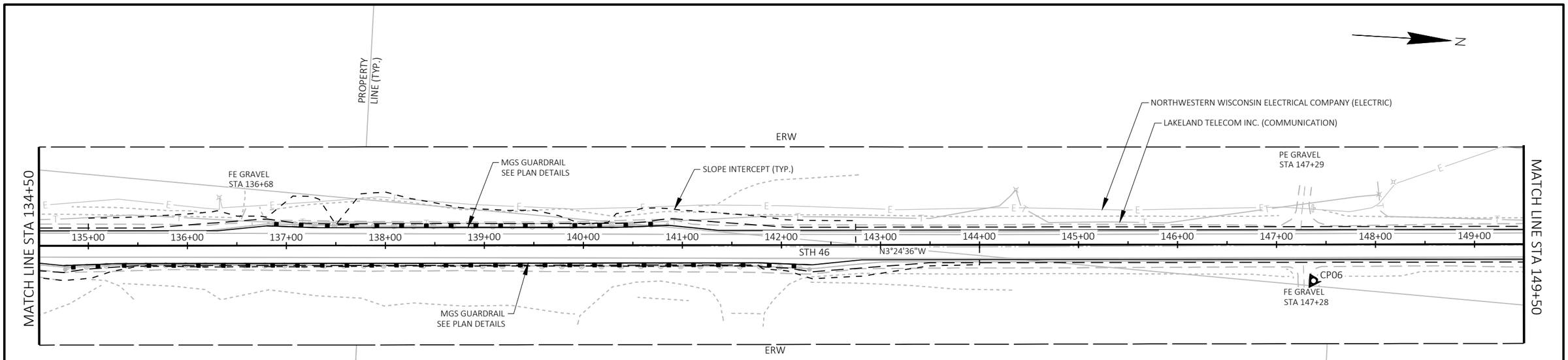


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP04	107+20.10	31.35 RT	276707.467	512584.901	1140.09

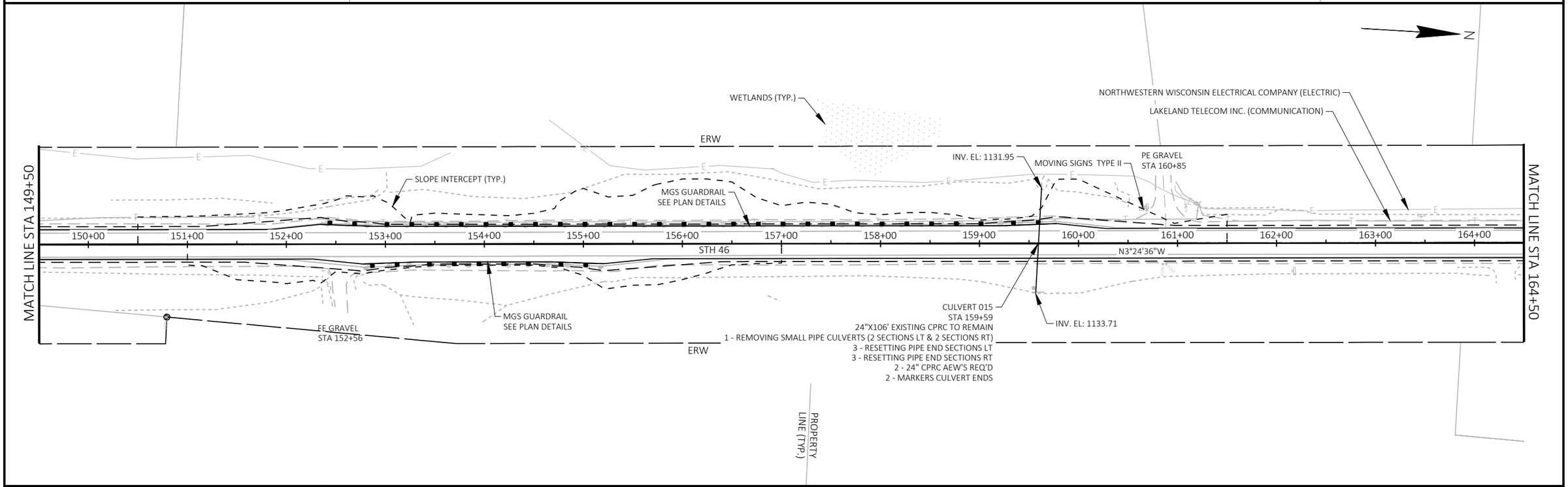


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP05	126+71.15	25.14 RT	278659.824	512571.040	1133.05

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 89	E



CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP06	147+37.29	36.77 RT	280722.989	512459.749	1177.09

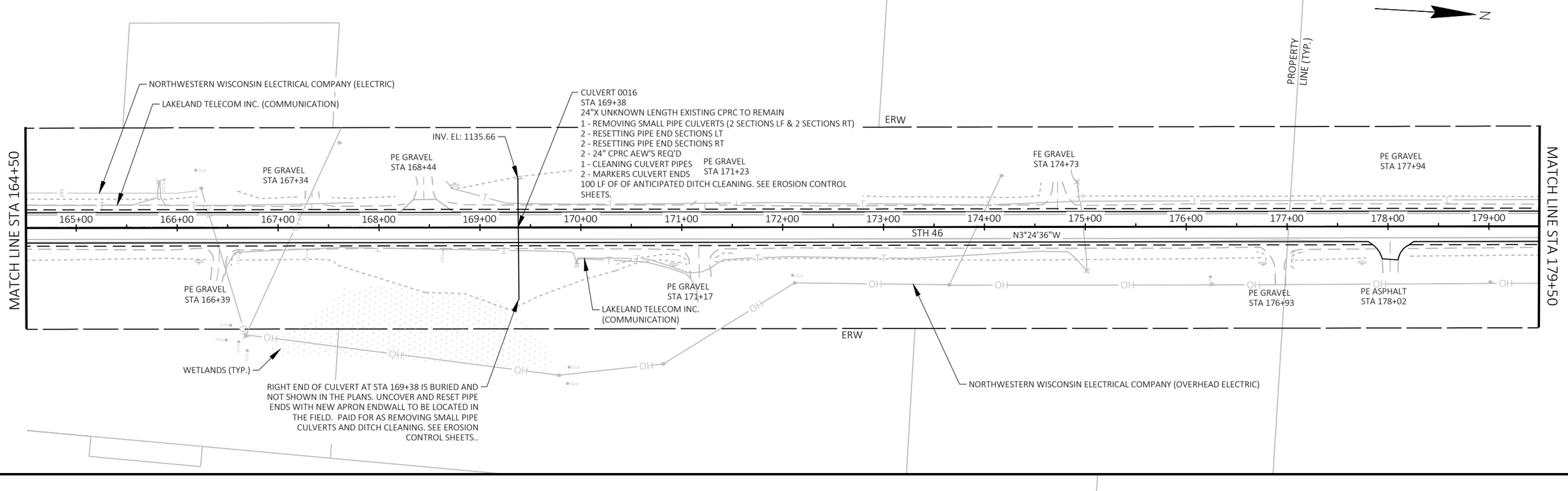


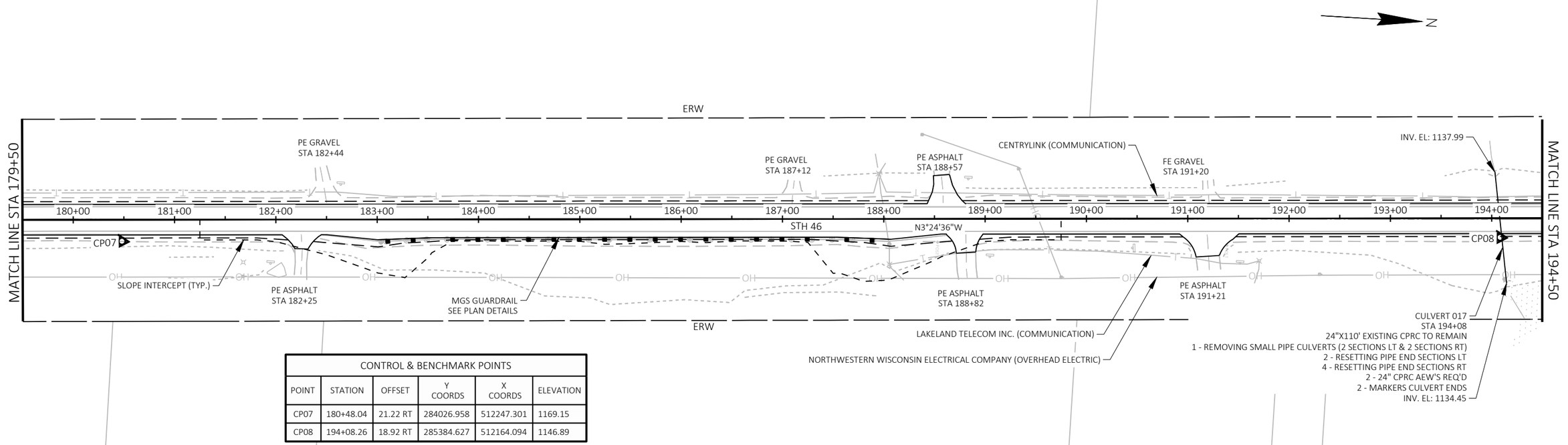
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 90	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 05

PLOT DATE : 10/21/2025 2:56 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT

WISDOT/CADDS SHEET 44





CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP07	180+48.04	21.22 RT	284026.958	512247.301	1169.15
CP08	194+08.26	18.92 RT	285384.627	512164.094	1146.89

PI STA = 198+80.25
Y = 285854.657
X = 512117.130
DELTA = 13°40'46"
D = 2°23'14"
T = 287.87'
L = 573.00'
R = 2400.00'
PC STA = 195+92.38
Y = 285567.298
X = 512134.253
PT STA = 201+65.38
Y = 286129.815
X = 512032.535
SE = MATCH EXISTING 5.30%

CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP09	198+27.86	56.89 RT	285810.231	512164.929	1146.18

PI STA = 204+91.38
Y = 286441.418
X = 511936.736
DELTA = 21°06'17"
D = 3°16'27"
T = 326.00'
L = 644.61'
R = 1750.00'
PC STA = 201+65.38
Y = 286129.815
X = 512032.535
PT STA = 208+09.98
Y = 286697.626
X = 511735.163
SE = MATCH EXISTING 5.0%

MATCH LINE STA 194+50
PC: 195+92.38
195+00
196+00
197+00
198+00
199+00
200+00
201+00
202+00
203+00
204+00
205+00
206+00
207+00
208+00
209+00
PC: 209+06.07
PT: 208+09.98
MATCH LINE STA 209+50
N38°11'39"W
ERW
ERW
PROPERTY LINE (TYP.)
N
PCC: 201+65.38
FE GRAVEL STA 201+11
STH 46
CP09
OH
OH
OH
OH
OH
SLOPE INTERCEPT (TYP.)
LAKELAND TELECOM INC. (COMMUNICATION)
MGS GUARDRAIL SEE PLAN DETAILS
MGS GUARDRAIL SEE PLAN DETAILS
WETLANDS (TYP.)
CULVERT 018
STA 206+48
2 - 48"X156' EXISTING CPRC TO REMAIN
INV. EL: 1096.65
INV. EL: 1096.76
STA 208+68
END 4-INCH CIR & 2.75-INCH OVERLAY
BEGIN 3.25-INCH MILL & OVERLAY
SEE MAINLINE PAVEMENT TRANSITION DETAIL
PE ASPHALT
STA 207+93
BM1
MOVING SIGNS
MOVING SIGNS
MOVING SIGNS
INV. EL: 1097.18
INV. EL: 1097.11

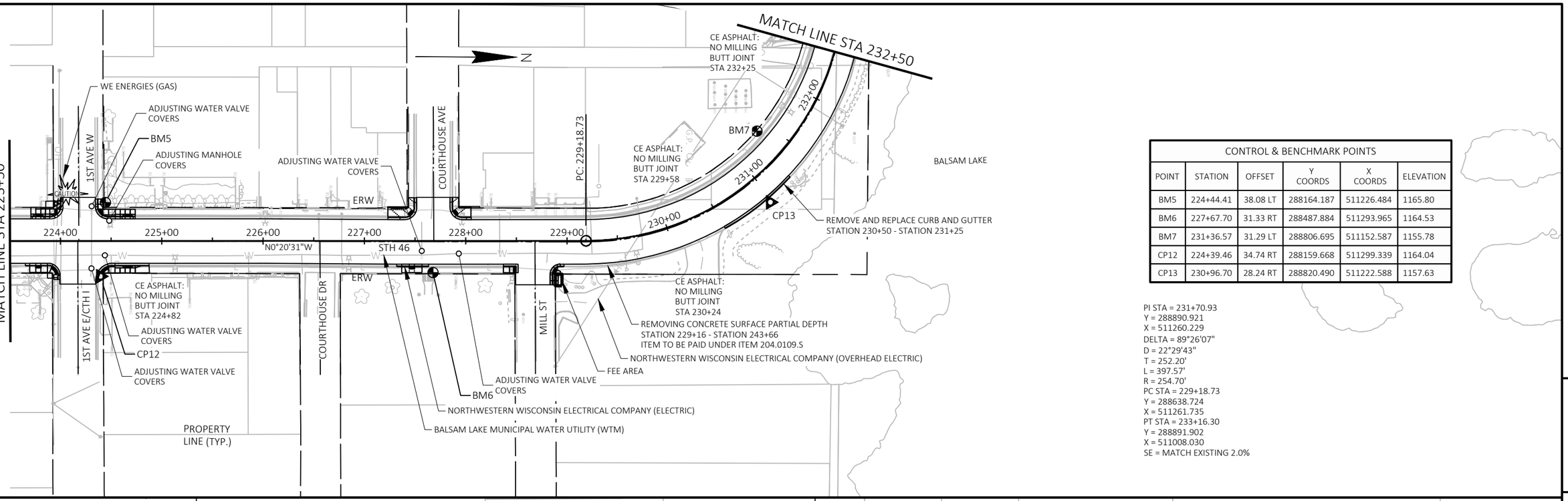
PI STA = 209+67.29
Y = 286821.259
X = 511637.894
DELTA = 3°40'31"
D = 3°00'08"
T = 61.23'
L = 122.41'
R = 1908.40'
PC STA = 209+06.07
Y = 286773.139
X = 511675.753
PT STA = 210+28.48
Y = 286866.853
X = 511597.029
SE = MATCH EXISTING 1.50%

REMOVE AND REPLACE CURB AND GUTTER STATION 215+87 - STATION 216+07
ADJUSTING WATER VALVE COVERS
REMOVING CONCRETE SURFACE PARTIAL DEPTH STATION 210+21 - STATION 217+03
REMOVE AND REPLACE CURB AND GUTTER STATION 213+10 - STATION 213+25
NORTHWESTERN WISCONSIN ELECTRICAL COMPANY (ELECTRIC)
BALSAM LAKE MUNICIPAL WATER UTILITY (WTM)
WE ENERGIES (GAS)
LAKELAND TELECOM INC. (COMMUNICATION)
REMOVING CONCRETE SURFACE PARTIAL DEPTH STATION 209+56 - STATION 209+83
STA 210+05, -47.4' LT
REMOVING ASPHALTIC SURFACE BUTT JOINTS
SEE DETAIL
PC: 214+42.43
PT: 215+87.39
PT: 210+28.48
MATCH LINE STA 209+50
PINE ST
N41°52'10"W
210+00
211+00
212+00
213+00
214+00
215+00
216+00
217+00
218+00
219+00
220+00
221+00
222+00
223+00
N0°20'31"W
MATCH LINE STA 223+50
CP10
CP11
BM2
BM3
BM4
STH 46
ERW
ERW
ERW
3RD AVE W
4TH AVE
2ND AVE W
2ND AVE E
N
PI STA = 215+18.26
Y = 287231.574
X = 511270.135
DELTA = 41°31'38"
D = 28°38'52"
T = 75.83'
L = 144.96'
R = 200.00'
PC STA = 214+42.43
Y = 287175.108
X = 511320.745
PT STA = 215+87.39
Y = 287307.401
X = 511269.682
SE = MATCH EXISTING 0.80%
REMOVE AND REPLACE CURB AND GUTTER STATION 216+83 - STATION 216+91
ADJUSTING WATER VALVE COVERS
STA 212+99, 48.8' RT
REMOVING ASPHALTIC SURFACE BUTT JOINTS
SEE DETAIL
REMOVE AND REPLACE CURB AND GUTTER STATION 212+58 - STATION 212+83
PE ASPHALT: NO MILLING BUTT JOINT STA 211+54
VILLAGE OF BALSAM LAKE SEWER (SAN)
REMOVING CONCRETE SURFACE PARTIAL DEPTH STATION 208+79 - STATION 212+83
ITEM TO BE PAID UNDER ITEM 204.0109.S
STA 217+20, -47.6' LT
REMOVING ASPHALTIC SURFACE BUTT JOINTS
SEE DETAIL
PE ASPHALT: NO MILLING BUTT JOINT STA 217+91
CE ASPHALT: NO MILLING BUTT JOINT STA 218+84
CE ASPHALT: NO MILLING BUTT JOINT STA 219+58
PE ASPHALT: NO MILLING BUTT JOINT STA 220+15
CE ASPHALT: NO MILLING BUTT JOINT STA 217+60
ADJUSTING WATER VALVE COVERS
ADJUSTING WATER VALVE COVERS
ADJUSTING WATER VALVE COVERS
STA 220+67, 44.2' RT
REMOVING ASPHALTIC SURFACE BUTT JOINTS
SEE DETAIL
CENTRYLINK (COMMUNICATION)
STA 220+71, -45.0' LT
REMOVING ASPHALTIC SURFACE BUTT JOINTS
SEE CONSTRUCTION DETAIL
ADJUSTING WATER VALVE COVERS
ADJUSTING MANHOLE COVERS
ADJUSTING WATER VALVE COVERS
ADJUSTING WATER VALVE COVERS
TLE
CAUTION
CAUTION

CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
BM1	209+34.55	35.75 LT	286772.868	511630.215	1120.99
BM2	213+79.06	69.00 RT	287173.971	511414.423	1139.86
BM3	217+44.16	36.92 RT	287464.389	511305.663	1152.37
BM4	220+36.57	34.27 RT	287756.777	511301.271	1160.94
CP10	213+39.51	29.09 RT	287117.885	511411.102	1135.56
CP11	217+00.88	34.74 RT	287421.105	511303.745	1149.59

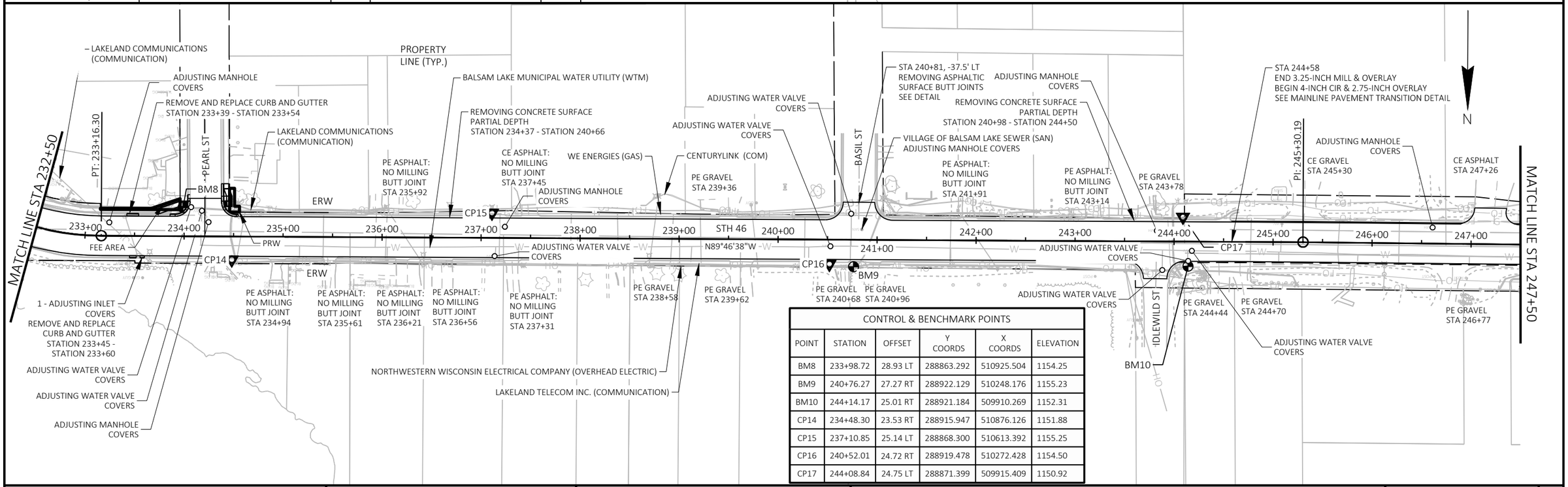
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 92	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 07
PLOT DATE : 10/21/2025 2:56 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



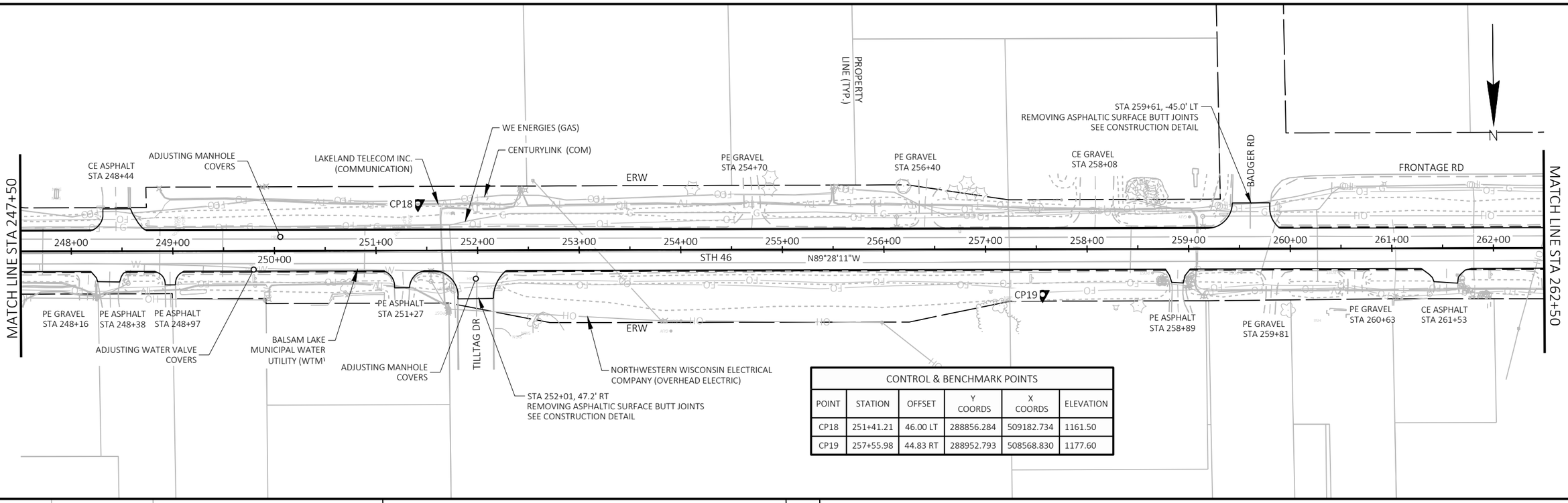
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
BM5	224+44.41	38.08 LT	288164.187	511226.484	1165.80
BM6	227+67.70	31.33 RT	288487.884	511293.965	1164.53
BM7	231+36.57	31.29 LT	288806.695	511152.587	1155.78
CP12	224+39.46	34.74 RT	288159.668	511299.339	1164.04
CP13	230+96.70	28.24 RT	288820.490	511222.588	1157.63

PI STA = 231+70.93
Y = 288890.921
X = 511260.229
DELTA = 89°26'07"
D = 22°29'43"
T = 252.20'
L = 397.57'
R = 254.70'
PC STA = 229+18.73
Y = 288638.724
X = 511261.735
PT STA = 233+16.30
Y = 288891.902
X = 511008.030
SE = MATCH EXISTING 2.0%

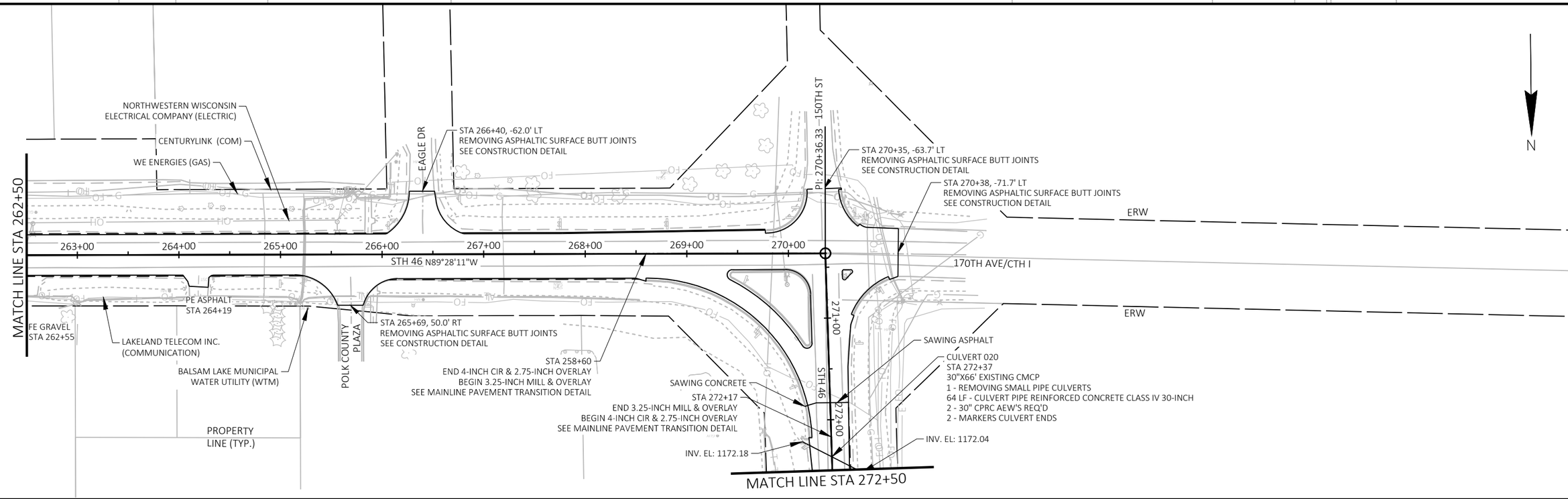


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
BM8	233+98.72	28.93 LT	288863.292	510925.504	1154.25
BM9	240+76.27	27.27 RT	288922.129	510248.176	1155.23
BM10	244+14.17	25.01 RT	288921.184	509910.269	1152.31
CP14	234+48.30	23.53 RT	288915.947	510876.126	1151.88
CP15	237+10.85	25.14 LT	288868.300	510613.392	1155.25
CP16	240+52.01	24.72 RT	288919.478	510272.428	1154.50
CP17	244+08.84	24.75 LT	288871.399	509915.409	1150.92

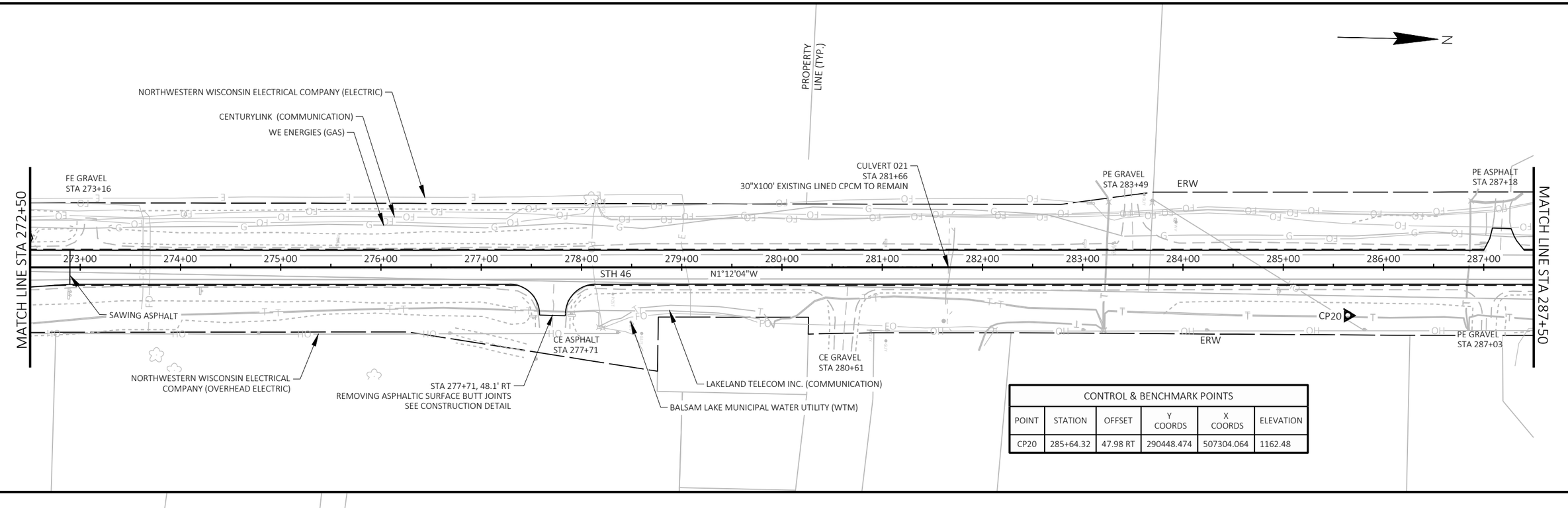
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 93	E



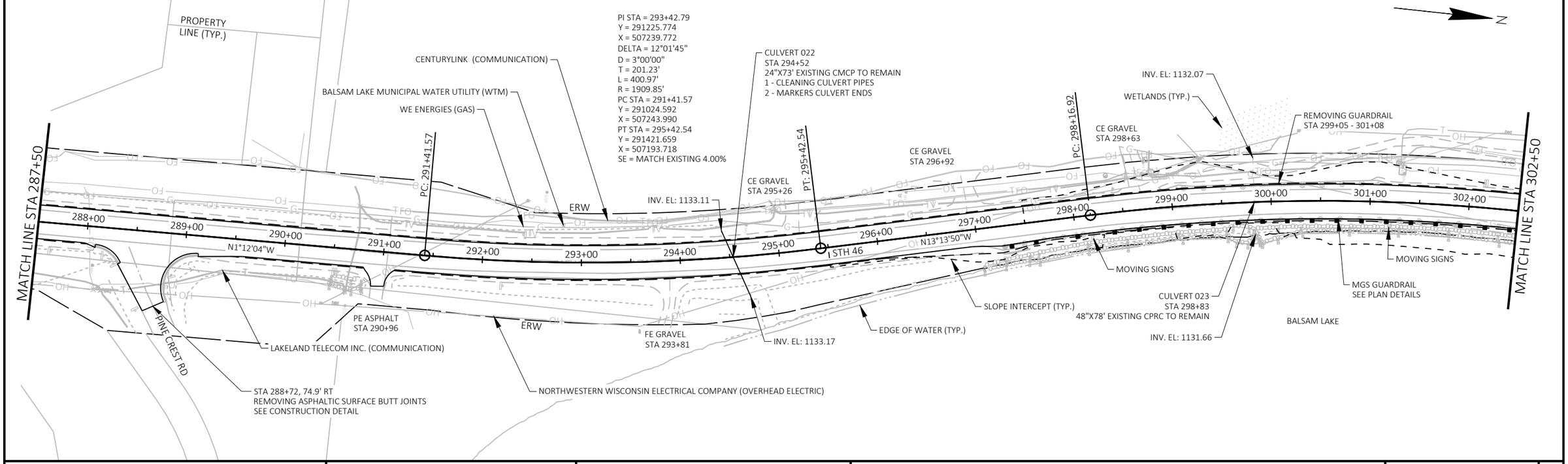
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP18	251+41.21	46.00 LT	288856.284	509182.734	1161.50
CP19	257+55.98	44.83 RT	288952.793	508568.830	1177.60



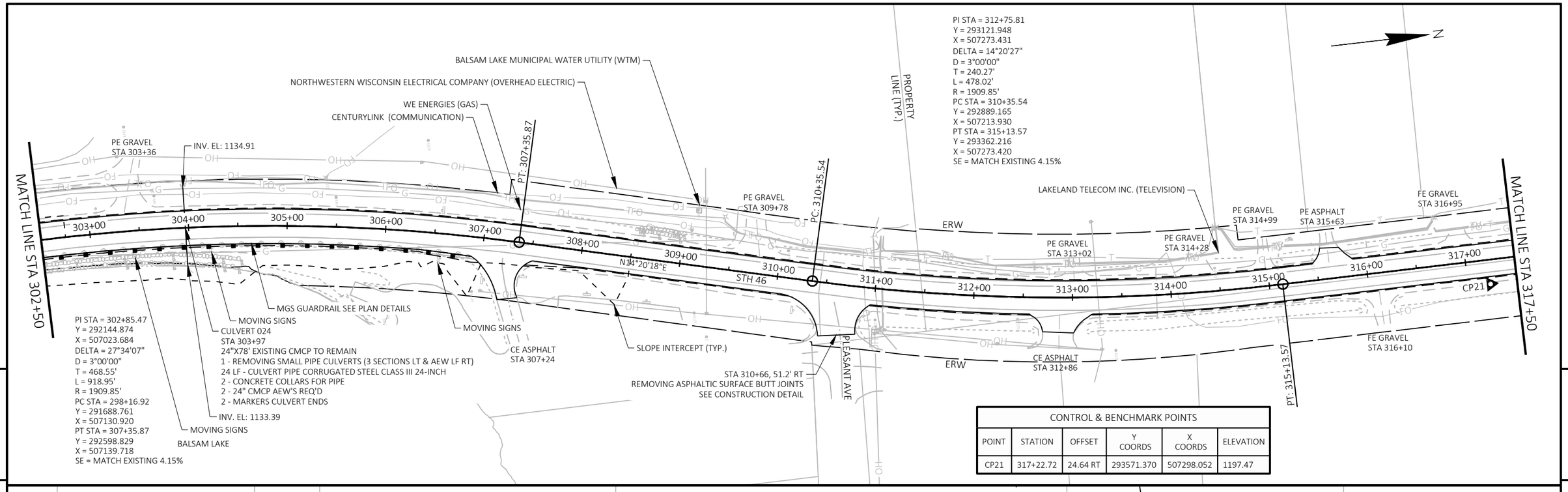
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 94	E



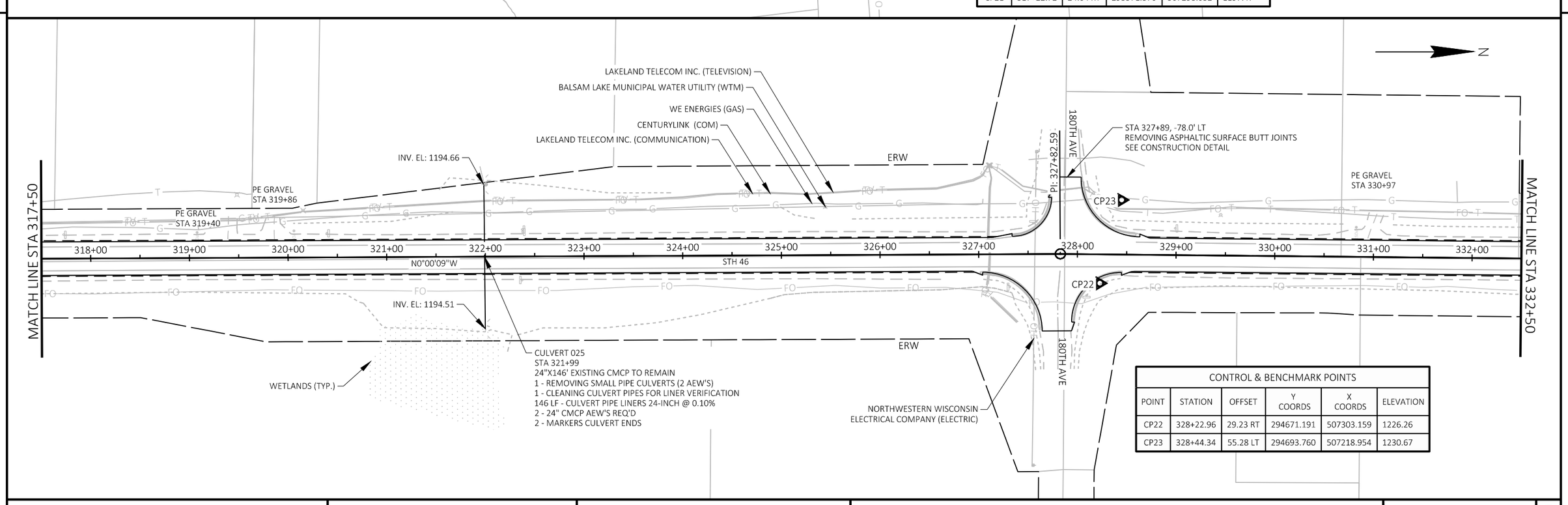
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP20	285+64.32	47.98 RT	290448.474	507304.064	1162.48



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 95	E

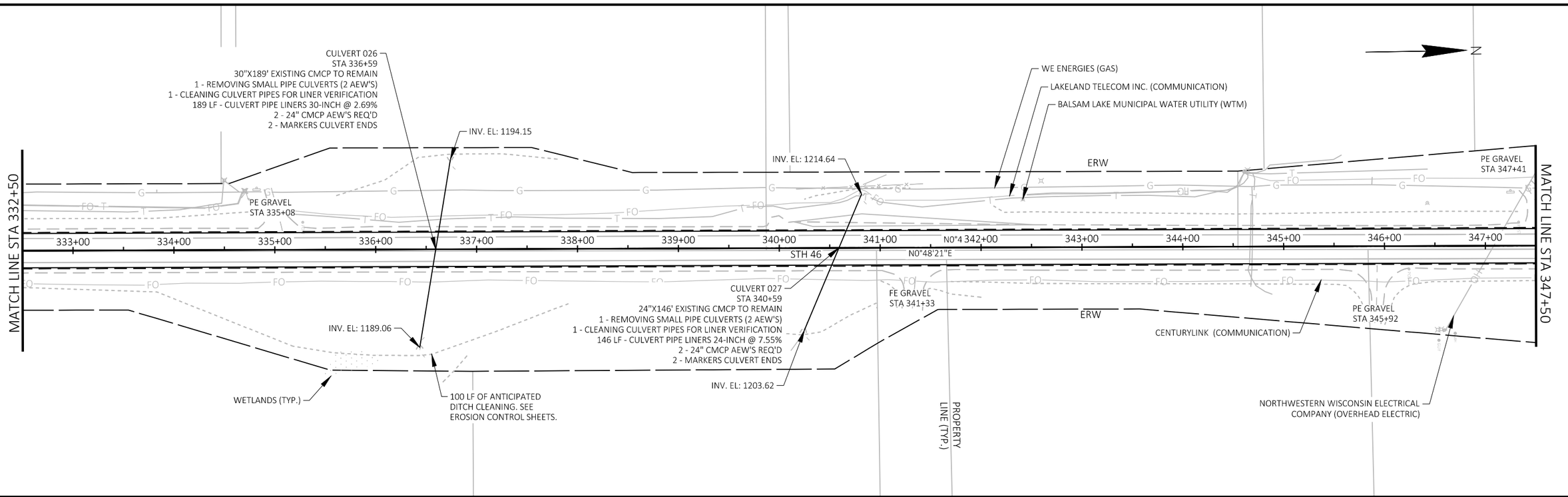


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP21	317+22.72	24.64 RT	293571.370	507298.052	1197.47



CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP22	328+22.96	29.23 RT	294671.191	507303.159	1226.26
CP23	328+44.34	55.28 LT	294693.760	507218.954	1230.67

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 96	E



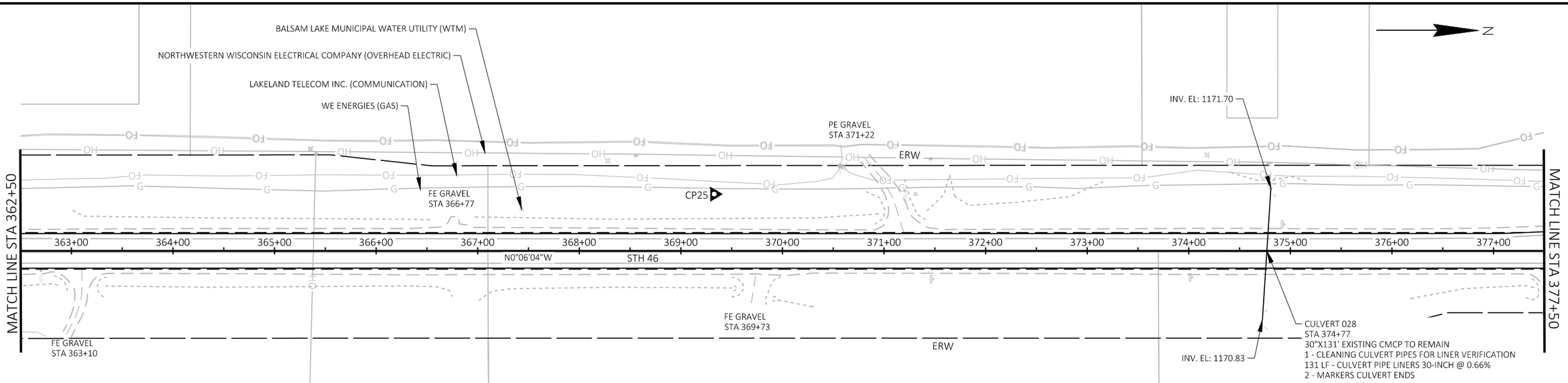
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP24	351+71.35	56.51 RT	297018.968	507363.461	1226.06

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 97	E

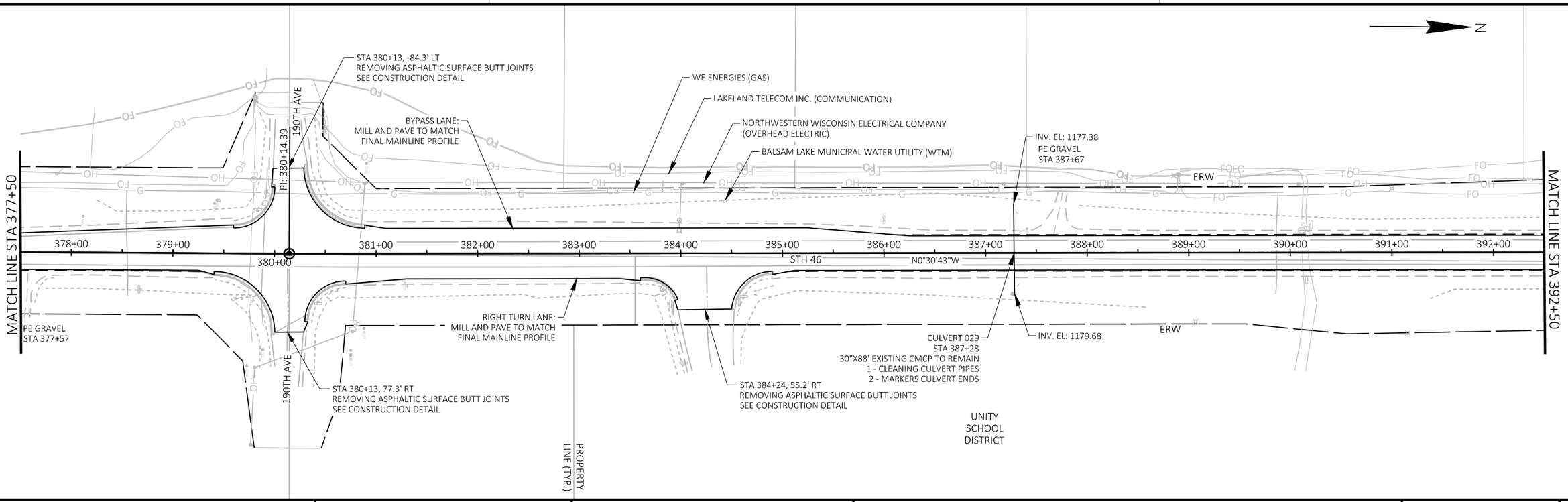
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 12

PLOT DATE : 10/21/2025 2:58 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT

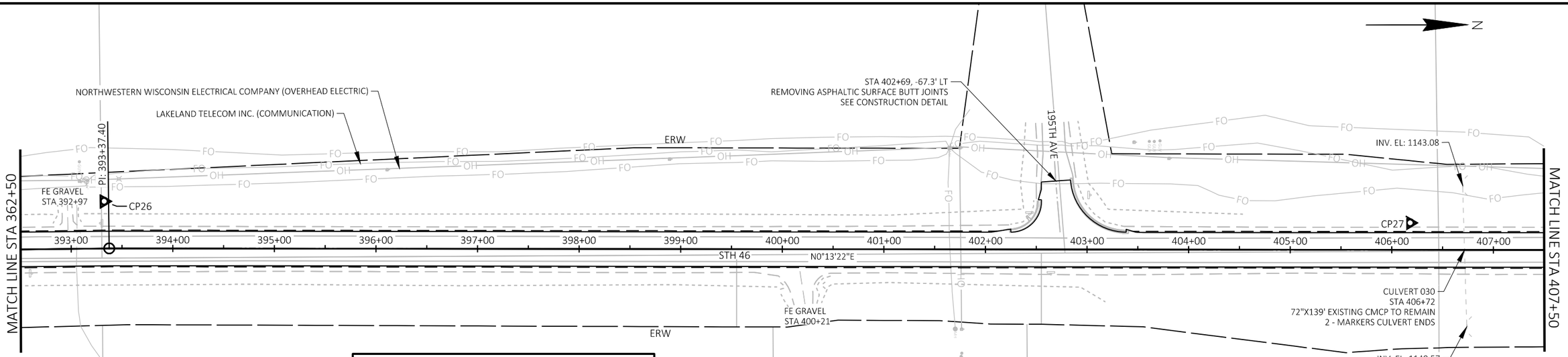
WISDOT/CADDS SHEET 44



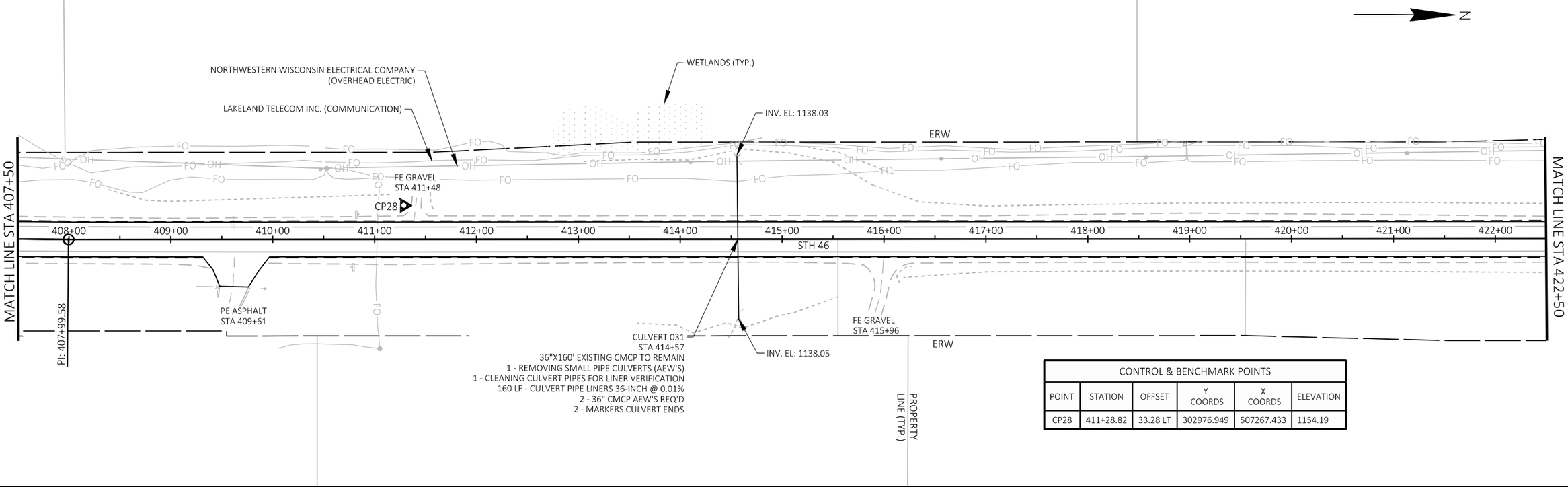
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP25	369+32.77	55.84 LT	298781.043	507254.574	1199.09



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 98	E

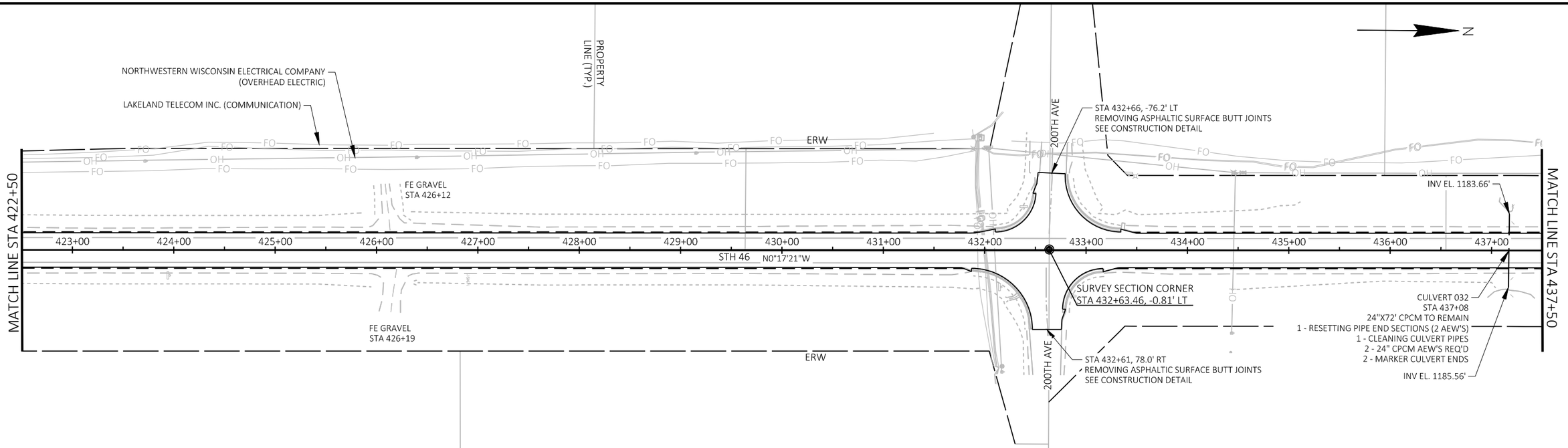


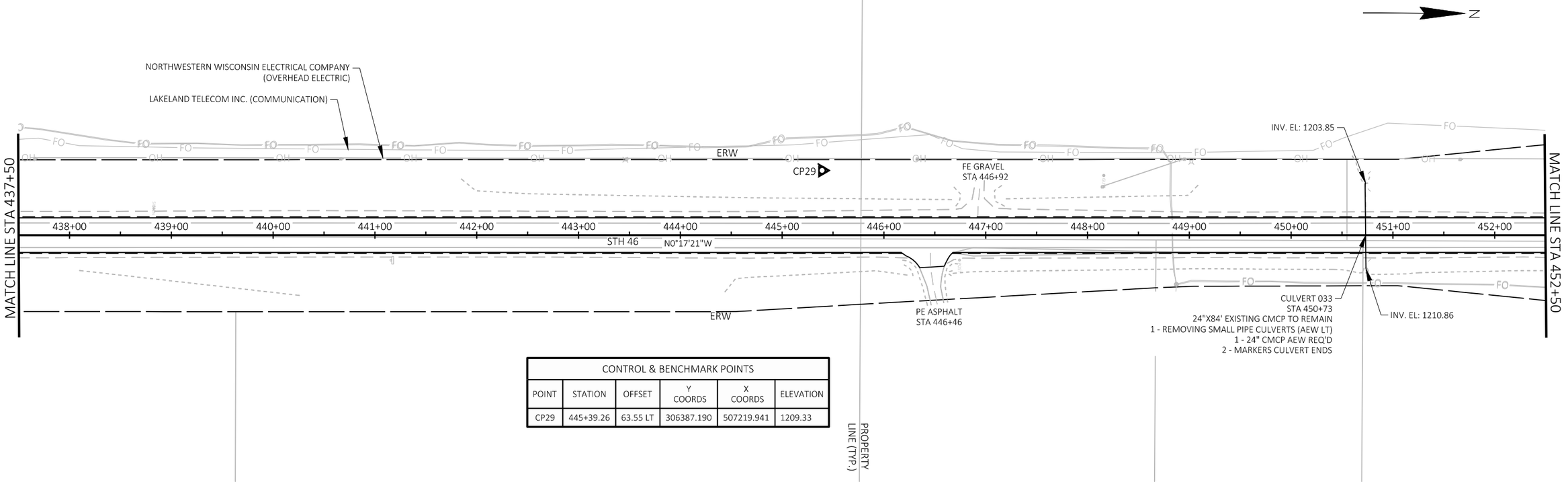
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP26	393+32.85	46.28 LT	301180.752	507250.446	1195.06
CP27	406+17.90	26.51 LT	302466.303	507275.154	1166.16



CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP28	411+28.82	33.28 LT	302976.949	507267.433	1154.19

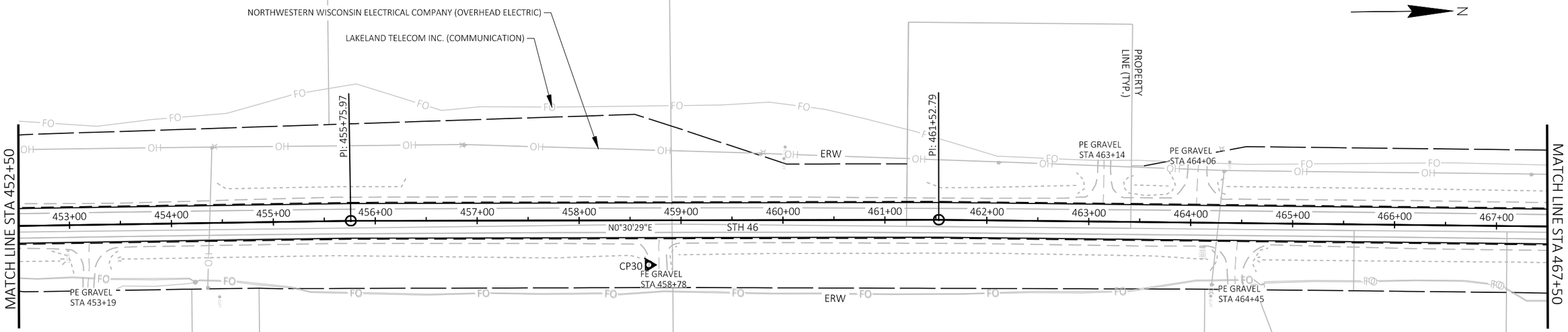
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 99	E



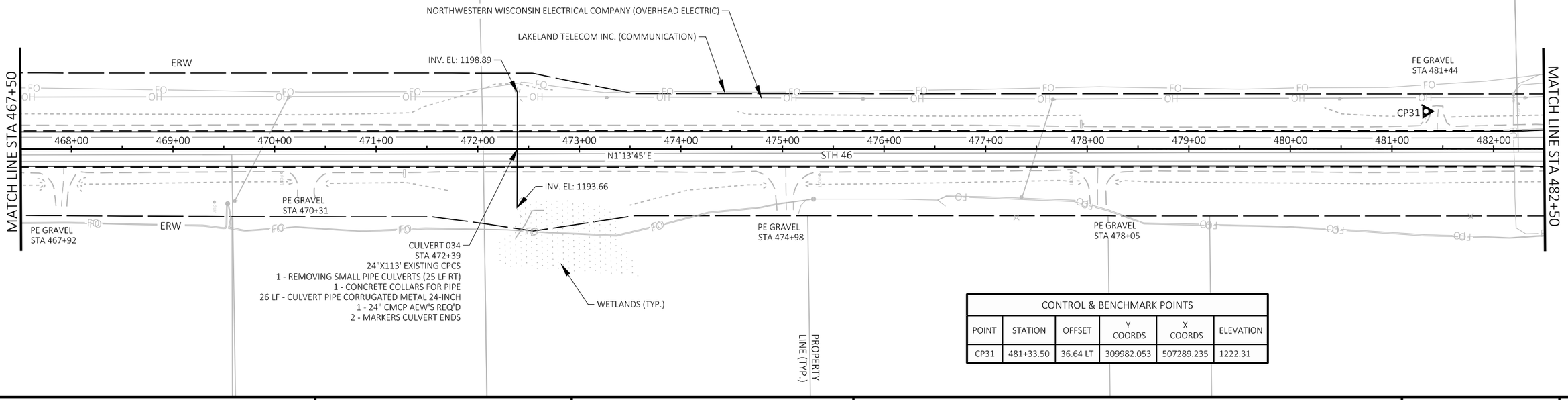


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP29	445+39.26	63.55 LT	306387.190	507219.941	1209.33

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 100	E



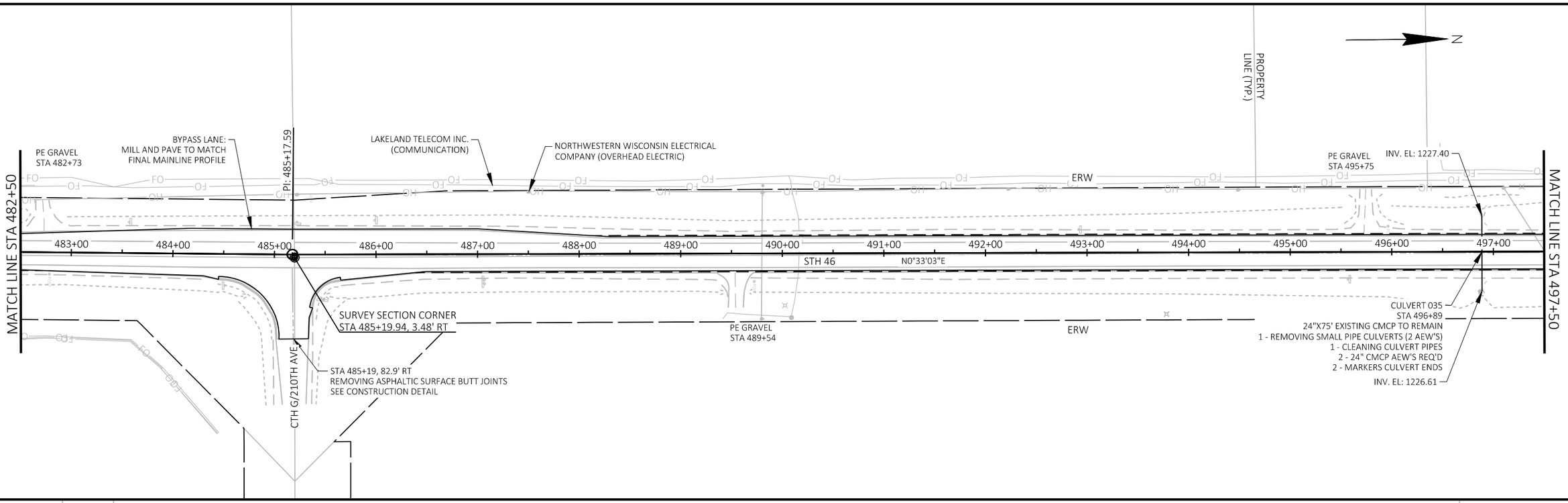
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP30	458+68.15	43.72 RT	307715.992	507324.572	1219.73

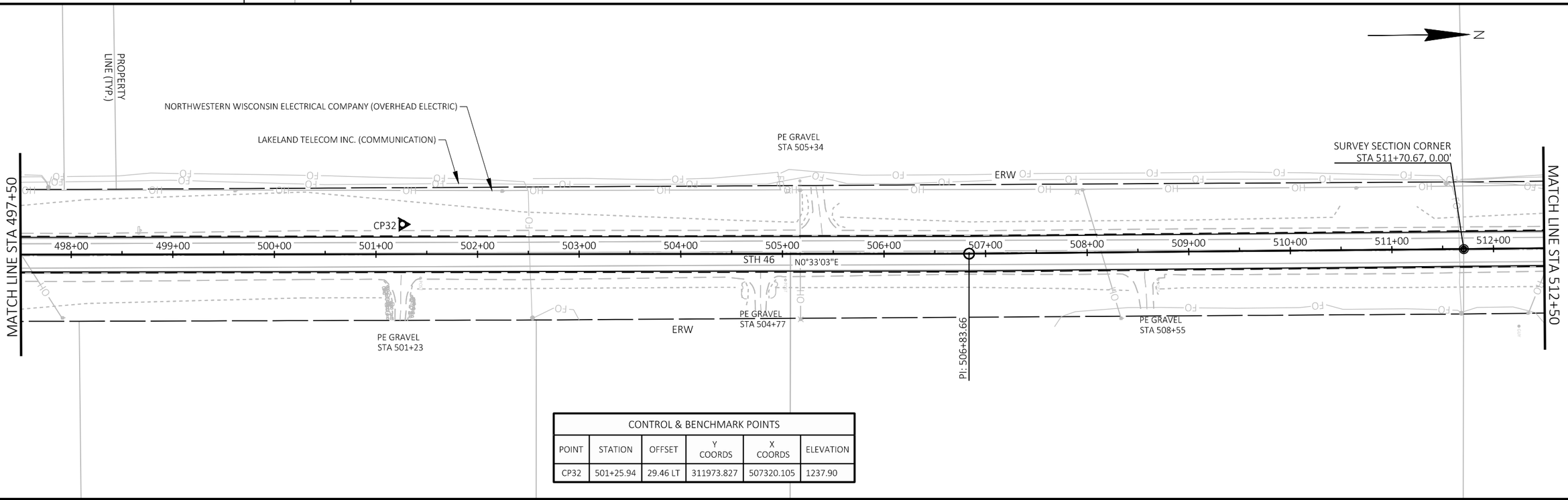


CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP31	481+33.50	36.64 LT	309982.053	507289.235	1222.31

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 101	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 16
PLOT DATE : 10/21/2025 3:00 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT

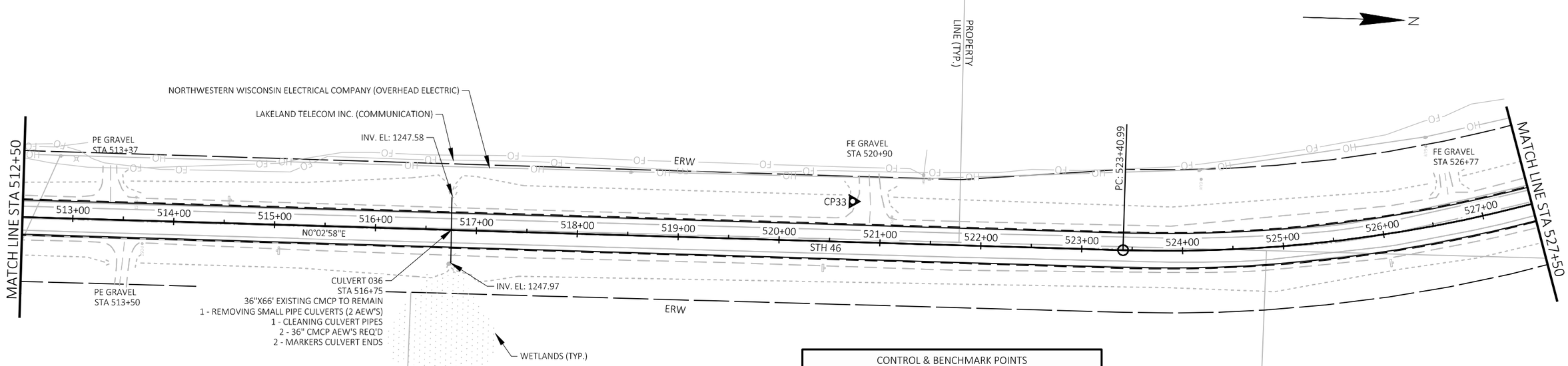




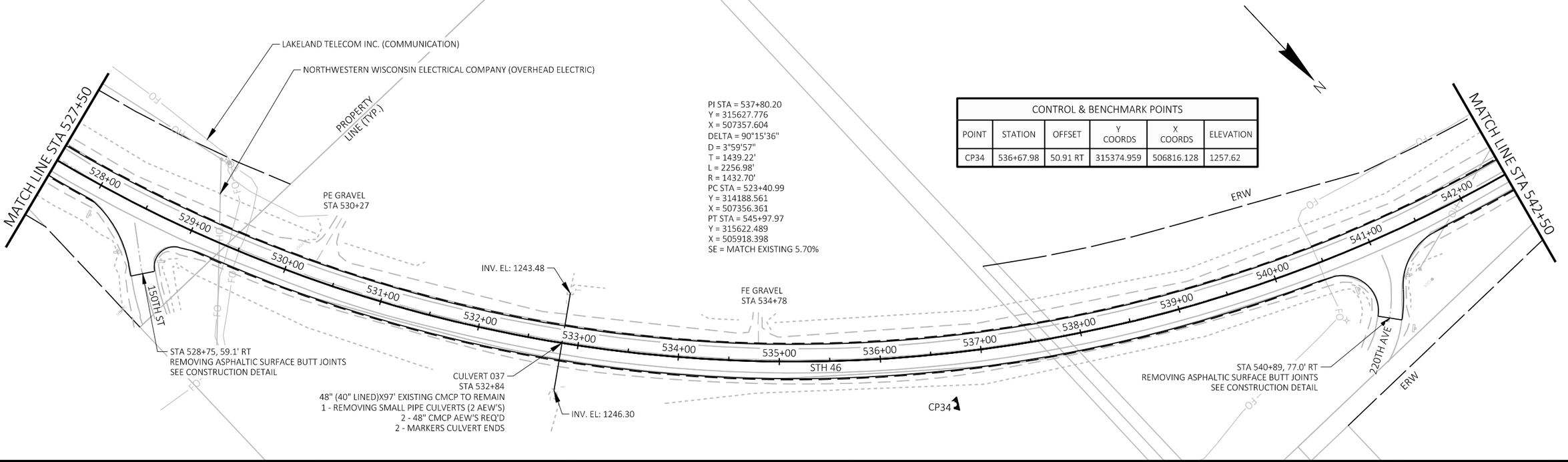
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP32	501+25.94	29.46 LT	311973.827	507320.105	1237.90

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 102	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 17
PLOT DATE : 10/21/2025 3:00 PM
PLOT BY : JUSTIN N. HAASE
PLOT NAME :
PLOT SCALE : 1 IN:100 FT
WISDOT/CADDS SHEET 44



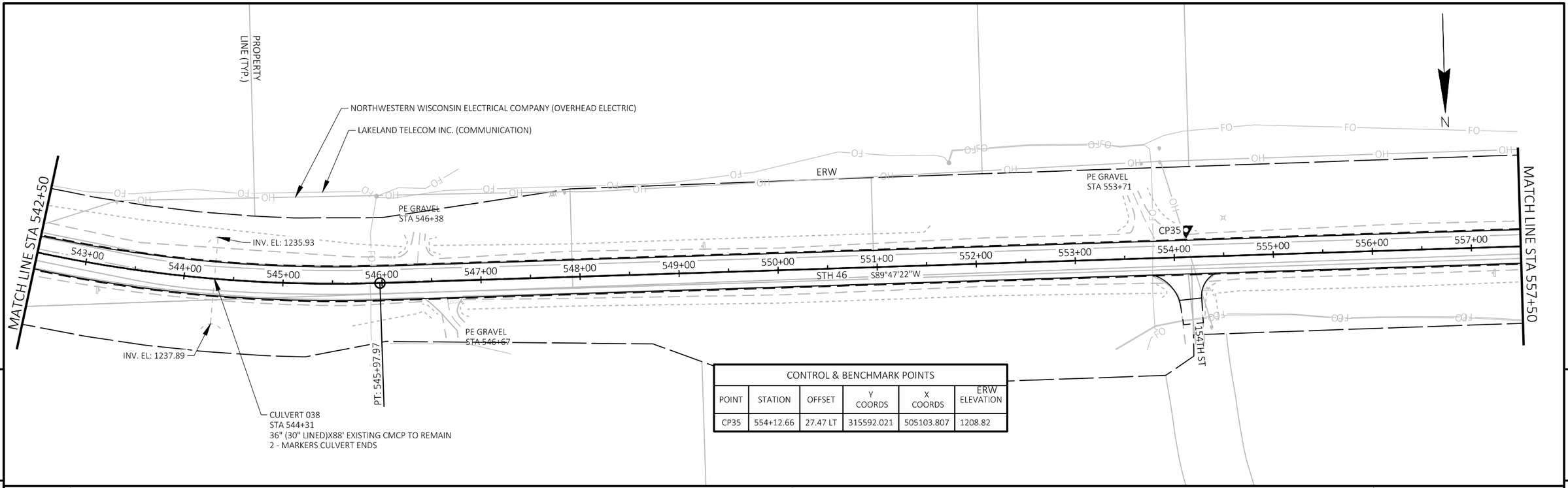
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP33	520+71.69	40.33 LT	313919.304	507315.798	1253.49



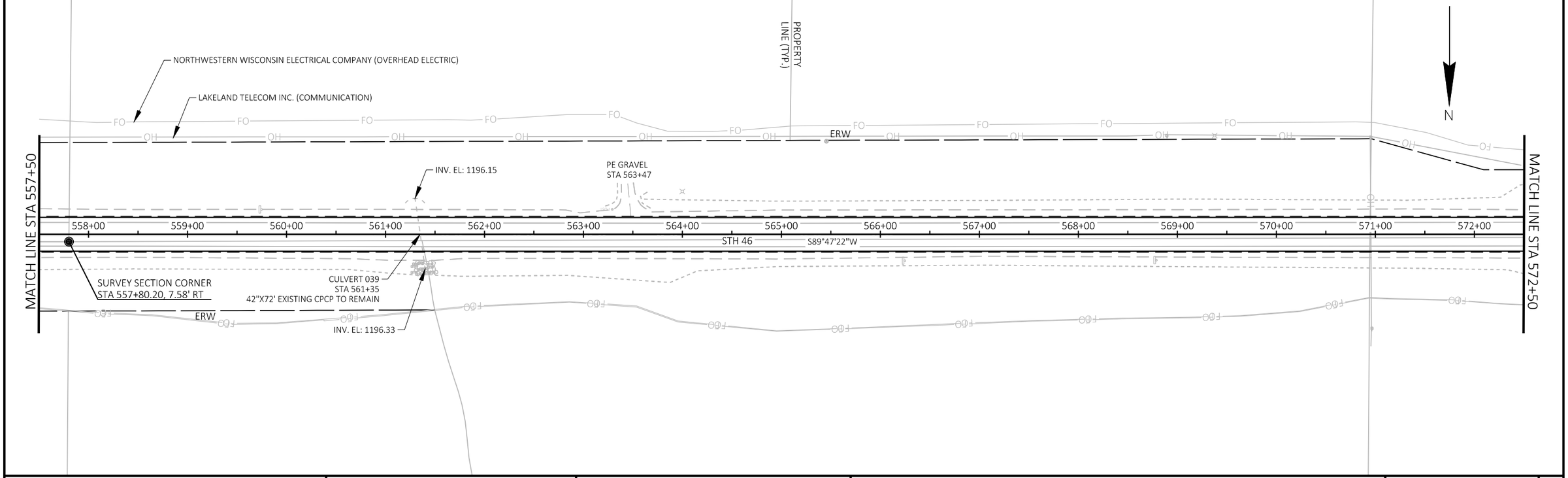
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP34	536+67.98	50.91 RT	315374.959	506816.128	1257.62

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 103	E

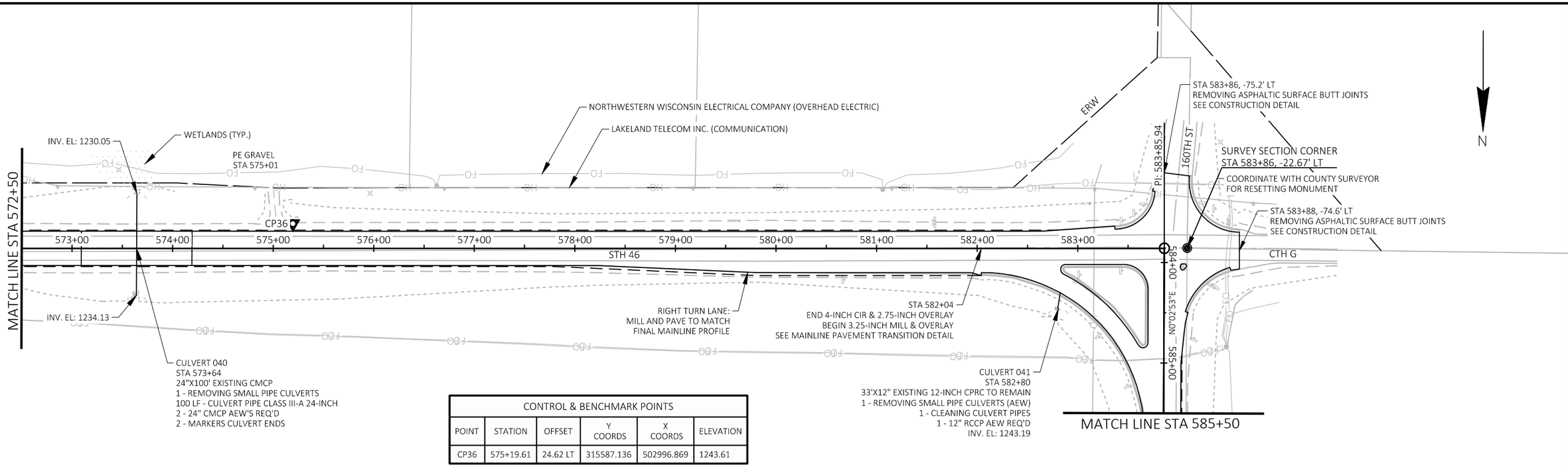
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 18
PLOT DATE : 10/21/2025 3:01 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT



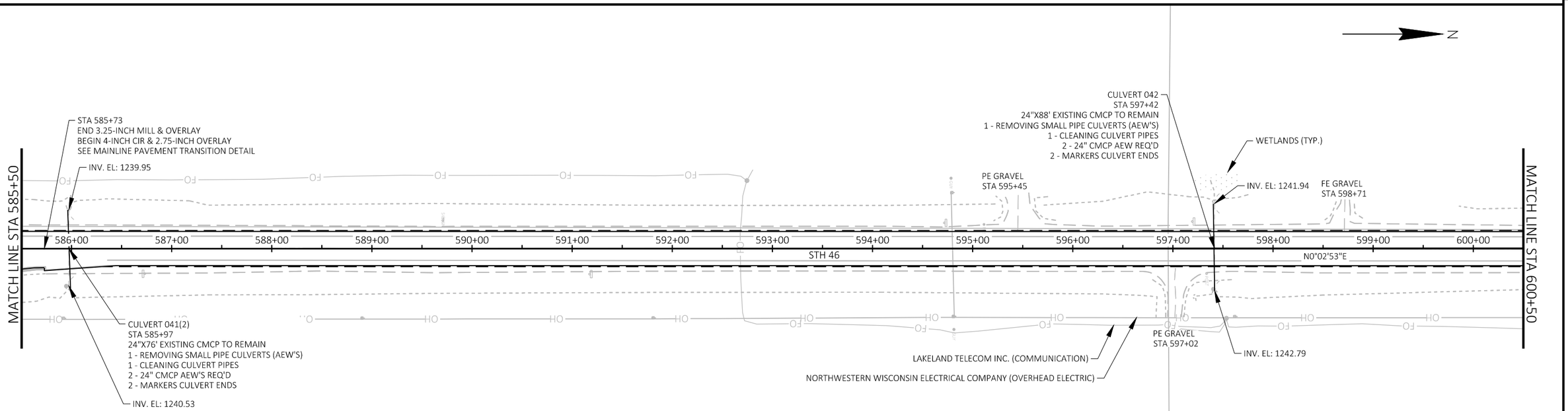
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ERW ELEVATION
CP35	554+12.66	27.47 LT	315592.021	505103.807	1208.82



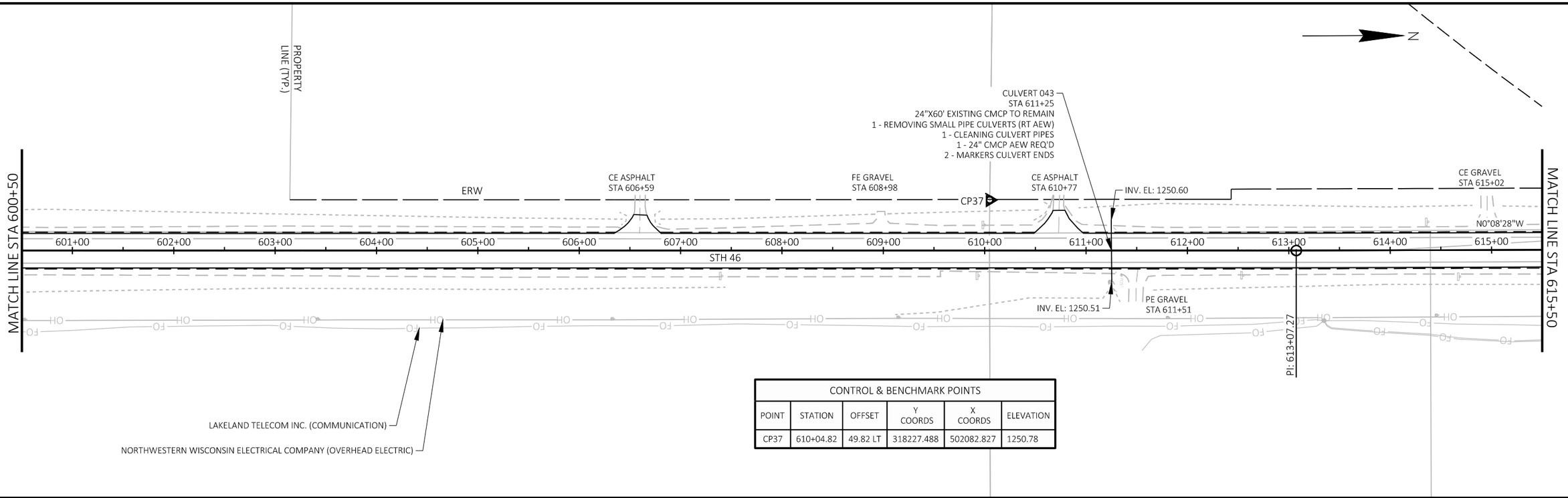
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 104	E



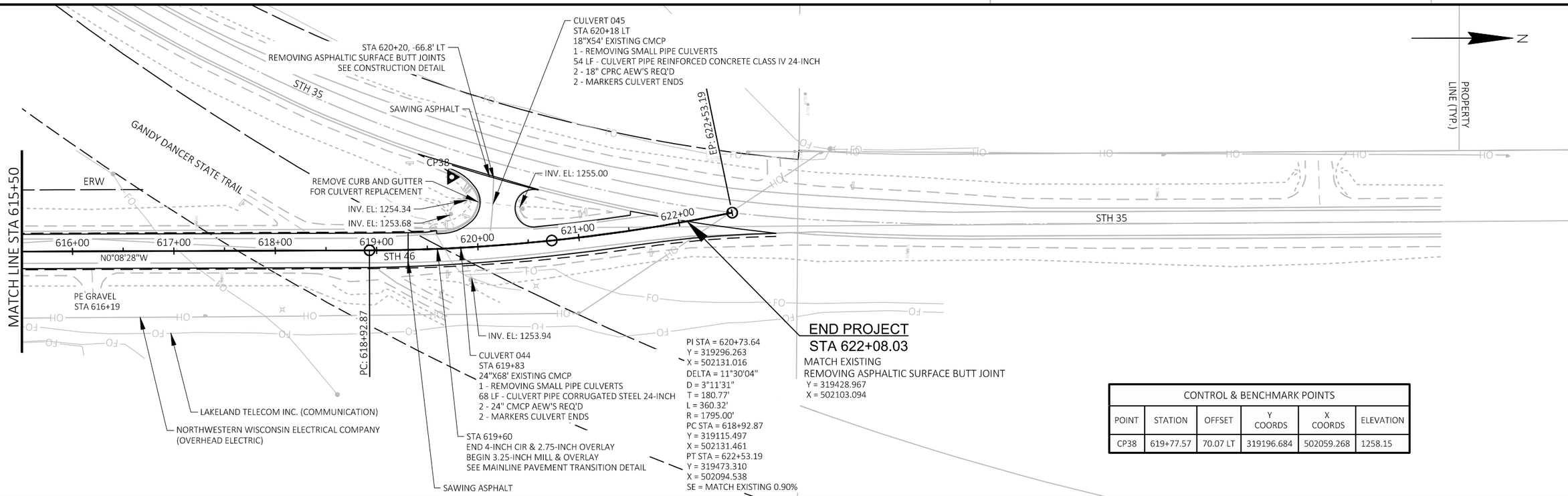
CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP36	575+19.61	24.62 LT	315587.136	502996.869	1243.61



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 105	E



CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP37	610+04.82	49.82 LT	318227.488	502082.827	1250.78



CONTROL & BENCHMARK POINTS					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CP38	619+77.57	70.07 LT	319196.684	502059.268	1258.15

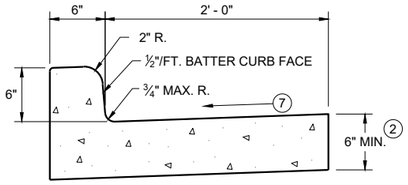
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	PLAN SHEETS	SHEET 106	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\050201_PN.DWG
LAYOUT NAME - 21
PLOT DATE : 10/21/2025 3:02 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:100 FT

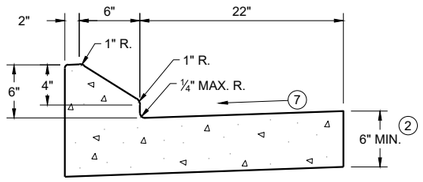
Standard Detail Drawing List

08D01-24A	CONCRETE CURB & GUTTER
08D05-22A	CURB RAMPS TYPES 1 AND 1-A
08D05-22B	CURB RAMPS TYPES 2 AND 3
08D05-22C	CURB RAMPS TYPES 4A AND 4A1
08D05-22D	CURB RAMPS TYPE 4B AND 4B1
08D05-22E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-22F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-22G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D20-02	DRIVEWAYS WITH CURB & GUTTER RETURNS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E11-02	TURBIDITY BARRIER
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13A10-03A	SHOULDER RUMBLE STRIPS - ASPHALT
13A10-03G	SHOULDER AND EDGE LINE RUMBLE STRIPS - CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B43-04A	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04B	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B43-04C	MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-24A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-24B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C08-24C	PAVEMENT MARKING (TURN LANES)
15C08-24D	PAVEMENT MARKING (TURN LANES)
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C12-09B	TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE
15C19-10A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C36-01	PARKING STALL MARKING
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-11A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11B	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11C	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11D	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11E	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11F	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11G	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11H	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11I	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11J	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11K	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-11L	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D44-02	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES
15D45-03	TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH LOOSE GRAVEL
15D48-01	TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

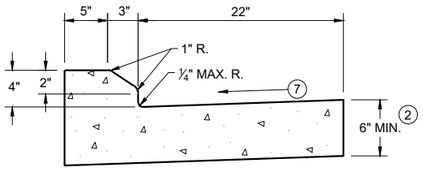
6



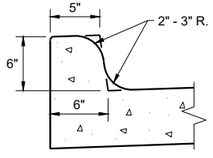
TYPES A (1) & D



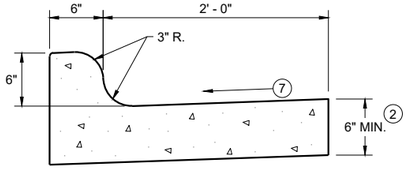
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

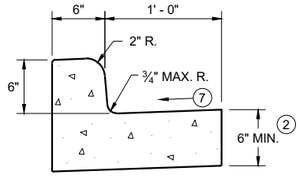


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



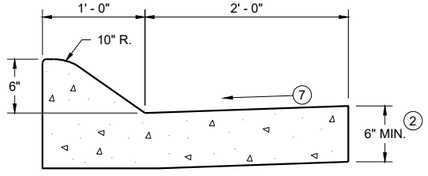
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

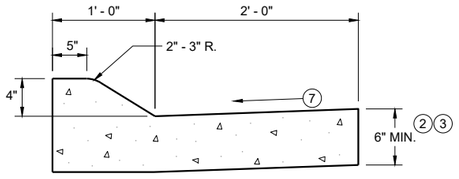


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

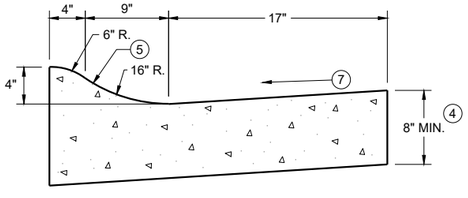


6" SLOPED CURB TYPES A (1) & D



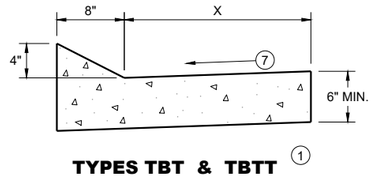
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T
CONCRETE CURB AND GUTTER 30"

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

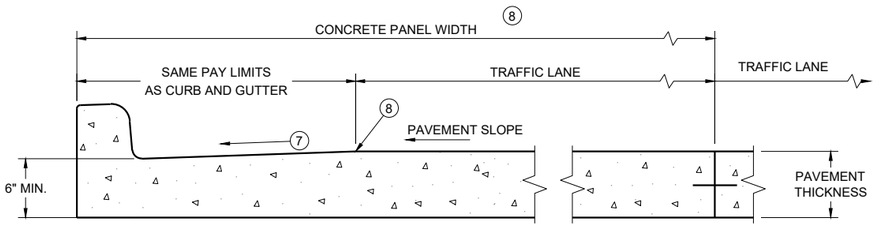


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

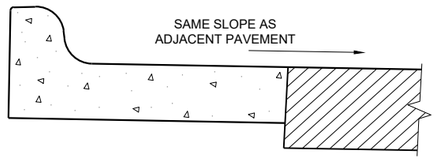
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB AND GUTTER *

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION 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 AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

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 GUTTERS 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) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) 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.

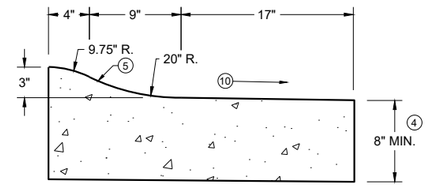
(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

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

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

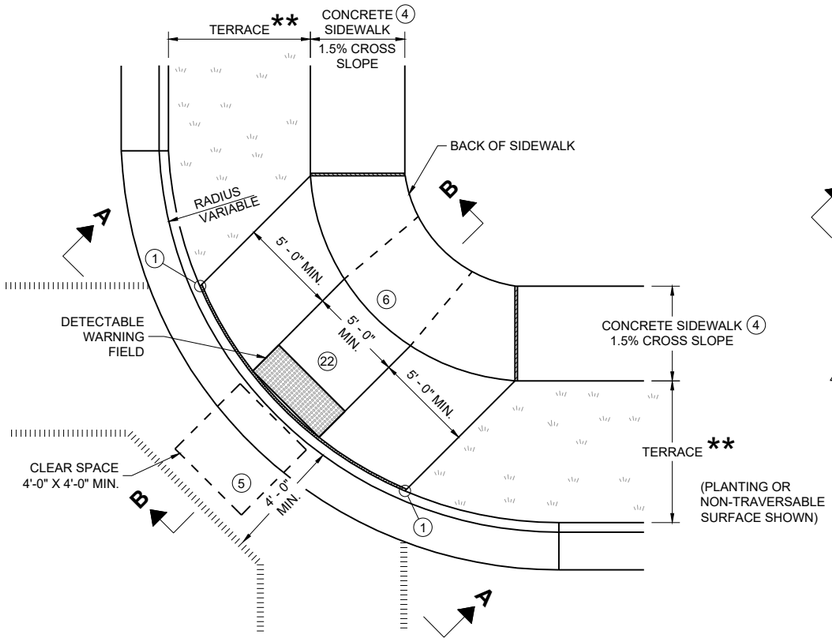
(9) SLOPE TO BE REVERSE SLOPE MATCHING THE SLOPE OF THE PAVEMENT AND THE CIRCULATORY ROADWAY



3" SLOPED CURB TYPES R (1) & T

CONCRETE CURB AND GUTTER

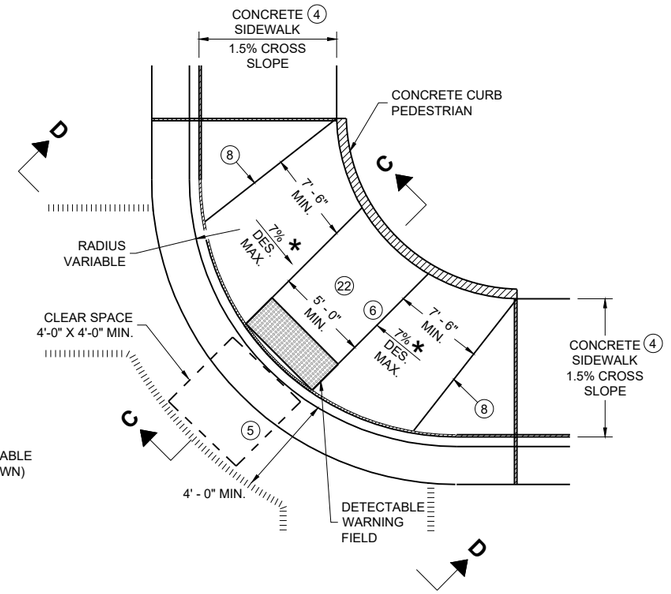
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW

CURB RAMP TYPE 1

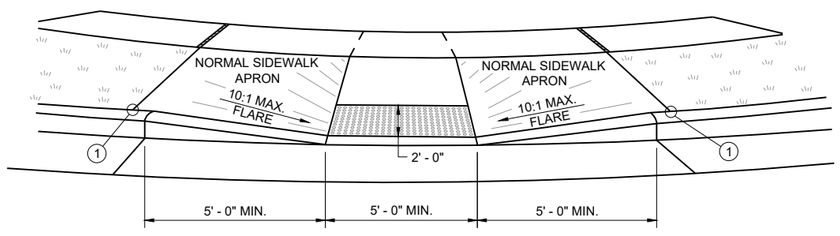
(CENTER OF CORNER RADIUS)



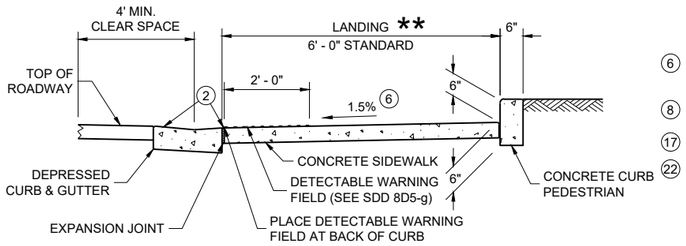
PLAN VIEW

CURB RAMP TYPE 1 - A

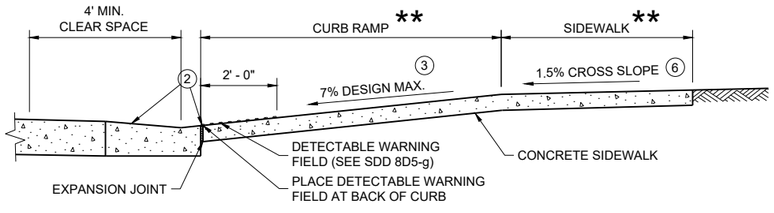
(NO TERRACE)



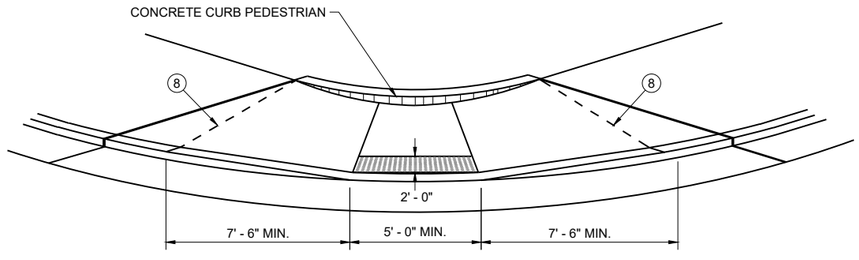
VIEW A - A FOR TYPE 1



SECTION C - C FOR TYPE 1 - A



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

GENERAL NOTES

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

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 CURB RAMP.

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

DETECTABLE WARNING FILED 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 LINEAR 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 CURB RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(5) PROVIDE A CLEAR SPACE IN THE STREET AND GUTTER AREA. WHEN THE GUTTER CROSS SLOPE EXCEEDS 2.1%, CONSTRUCT THE CLEAR SPACE IN THE STREET AREA AND THE 4 FOOT WIDTH IS MEASURED FROM THE FLANGE LINE. FOR RECONSTRUCTION AND MODERNIZATION PROJECTS THE CLEAR SPACE SLOPE PARALLEL TO THE CURBLINE SHOULD BE 2.1% MAX FOR CROSSINGS THAT ARE STOP AND YIELD CONTROLLED, AND 5% MAX FOR THOSE THAT ARE SIGNAL CONTROLLED. FOR PERPETUATION AND REHABILITATION PROJECTS THE SLOPE OF THE CLEAR SPACE PARALLEL TO THE CURBLINE WILL MATCH THE ROADWAY LONGITUDINAL SLOPE. THE SLOPE OF THE CLEAR SPACE PERPENDICULAR TO THE CURBLINE WILL MATCH THE ROADWAY CROSS SLOPE BUT SHOULD NOT EXCEED 5% UNLESS THE ROADWAY IS SUPERELEVATED (WHEN SUPERELEVATED THE ROADWAY CROSS SLOPE SHOULD MATCH THE SUPERELEVATION).

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

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

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

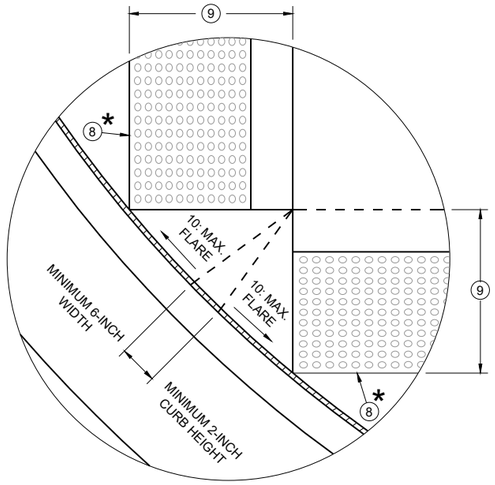
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

LEGEND

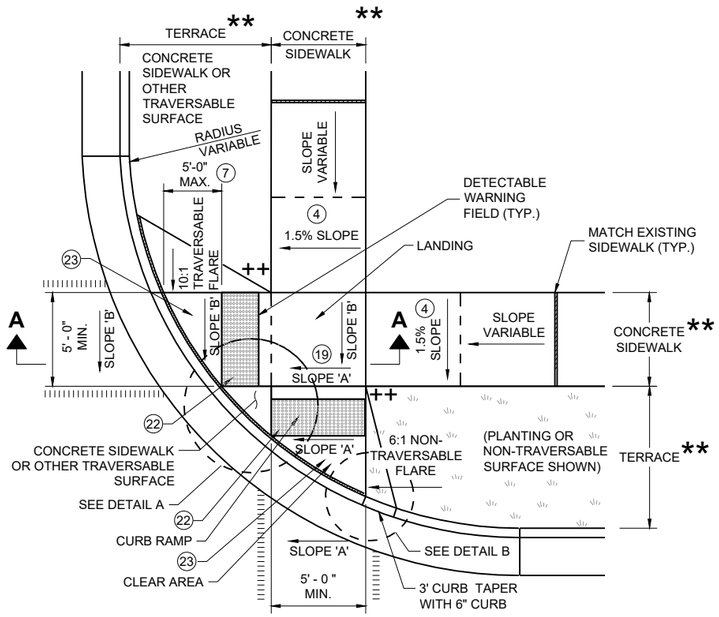
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** WIDTH SHOWN ELSEWHERE IN THE PLANS

CURB RAMPS TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



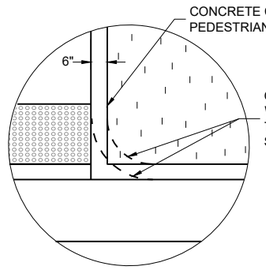
DETAIL A



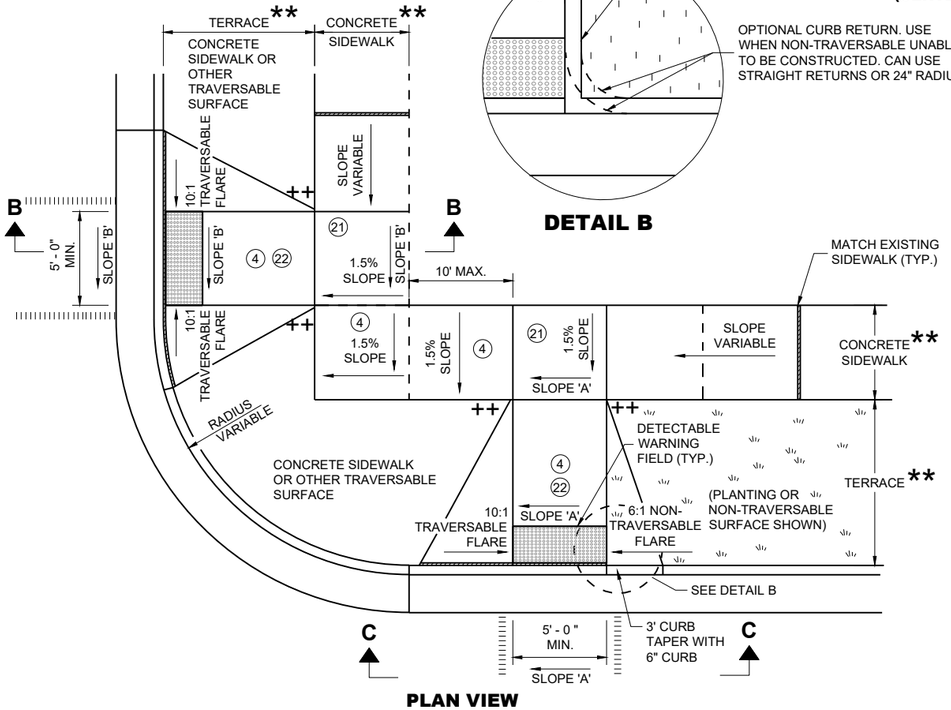
PLAN VIEW

CURB RAMP TYPE 2

(CENTER OF CORNER RADIUS)



DETAIL B



PLAN VIEW

CURB RAMP TYPE 3

(OUTSIDE OF CROSSWALK AREA)

GENERAL NOTES

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

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.

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

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% DESIGN MAXIMUM SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% DESIGN MAXIMUM SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.

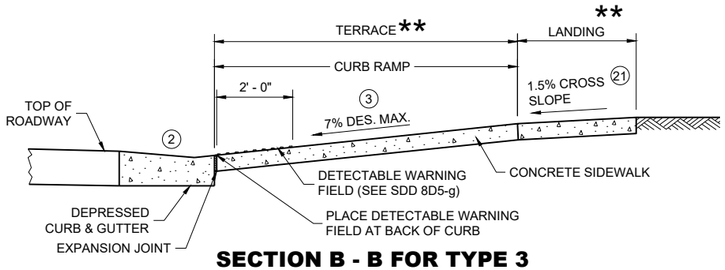
(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

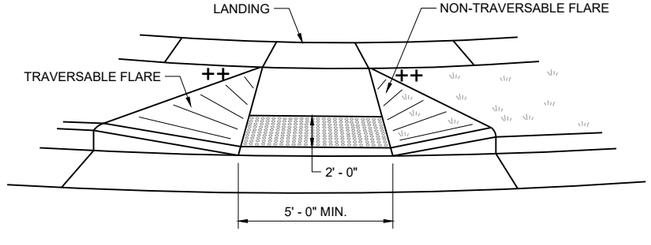
(21) PROVIDE A LANDING WITH A SLOPE PARALLEL TO ROADWAY THAT MATCHES SLOPE AT THE BOTTOM OF THE ADJACENT RAMP. SLOPE PERPENDICULAR TO ROADWAY SHALL BE 2.1% MAXIMUM. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

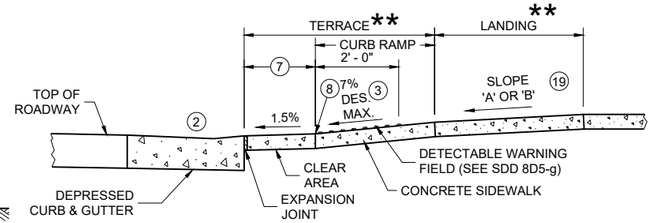
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3



SECTION A - A FOR TYPE 2

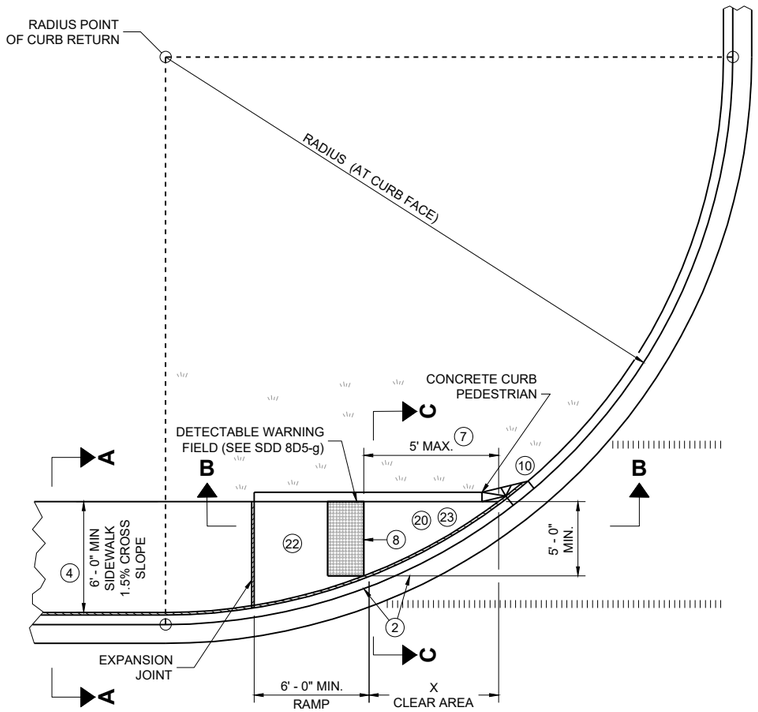
LEGEND

▨	½" EXPANSION JOINT SIDEWALK
- - - -	CONTRACTION JOINT SIDEWALK
ıllıllıllıllı	PAVEMENT MARKING CROSSWALK (WHITE)
*	MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

CURB RAMPS TYPE 2 AND 3

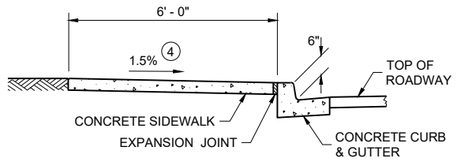
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 08D05-22b

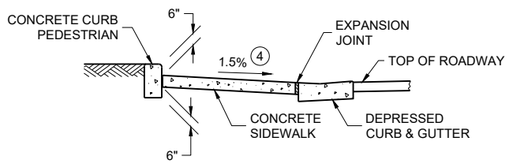


PLAN VIEW

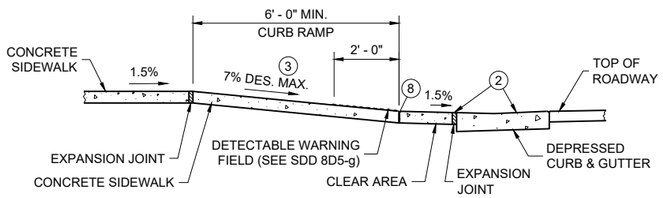
CURB RAMP TYPE 4A



SECTION A - A FOR TYPE 4A



SECTION C - C FOR TYPE 4A



SECTION B - B FOR TYPE 4A AND TYPE 4A1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

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

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.

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

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

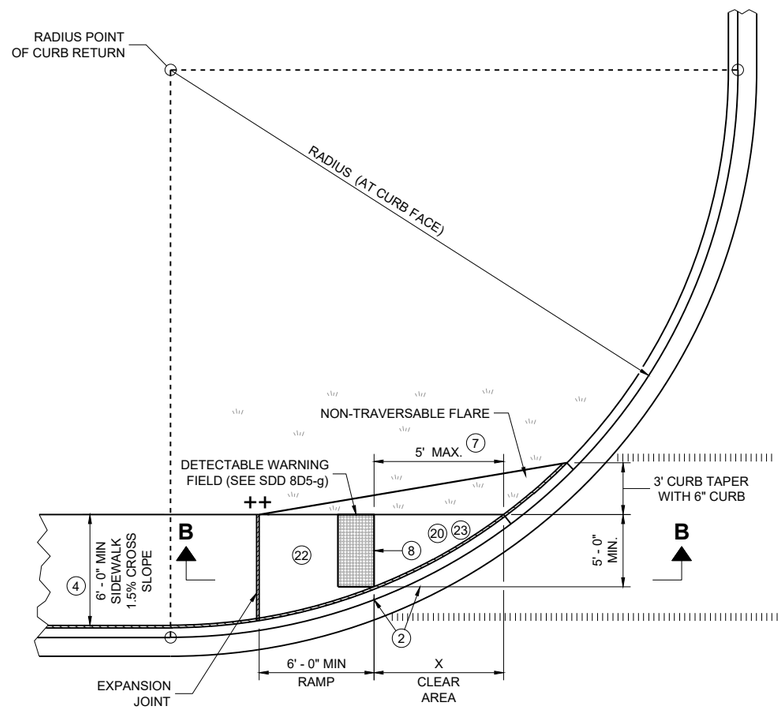
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

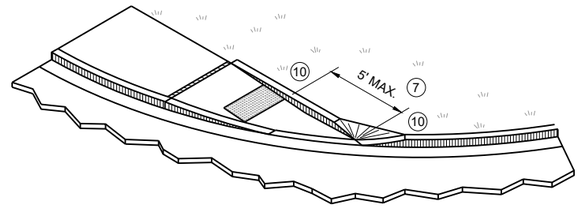
(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

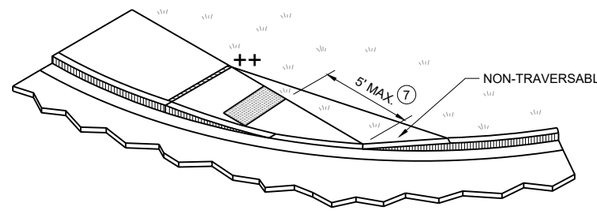


PLAN VIEW

CURB RAMP TYPE 4A1



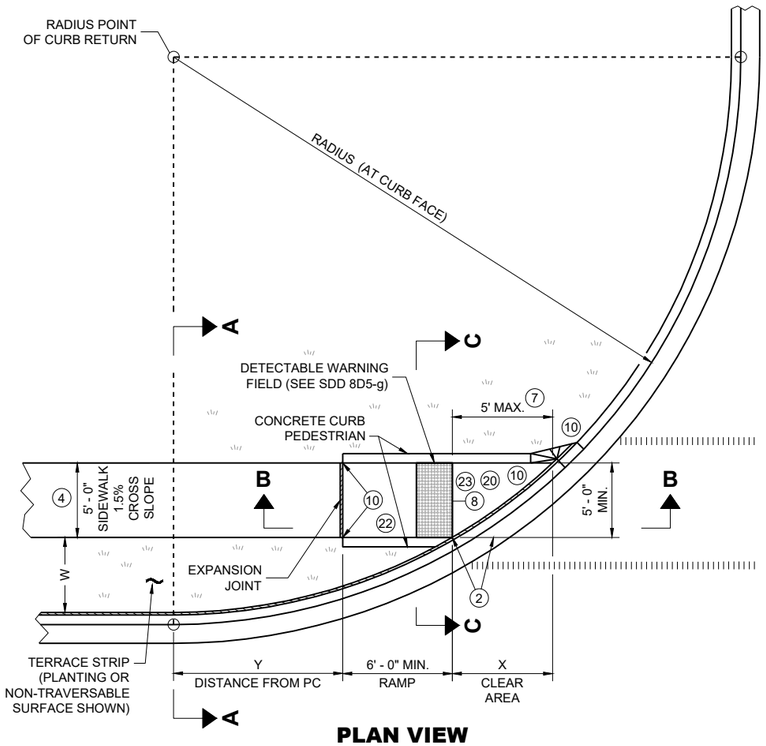
ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

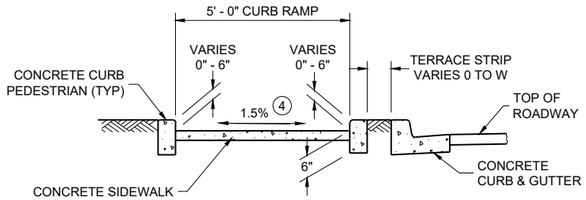
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



PLAN VIEW
CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET			4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET									4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET															4' - 10 ¾"	19' - 8 ¼"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 2.1% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK
- ++ CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE

GENERAL NOTES

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

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.

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

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

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

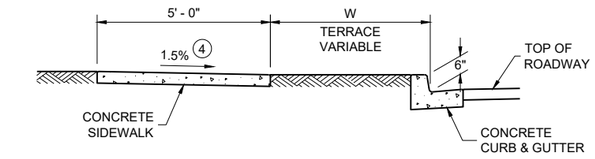
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

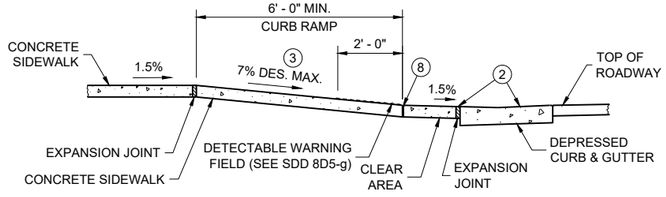
(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

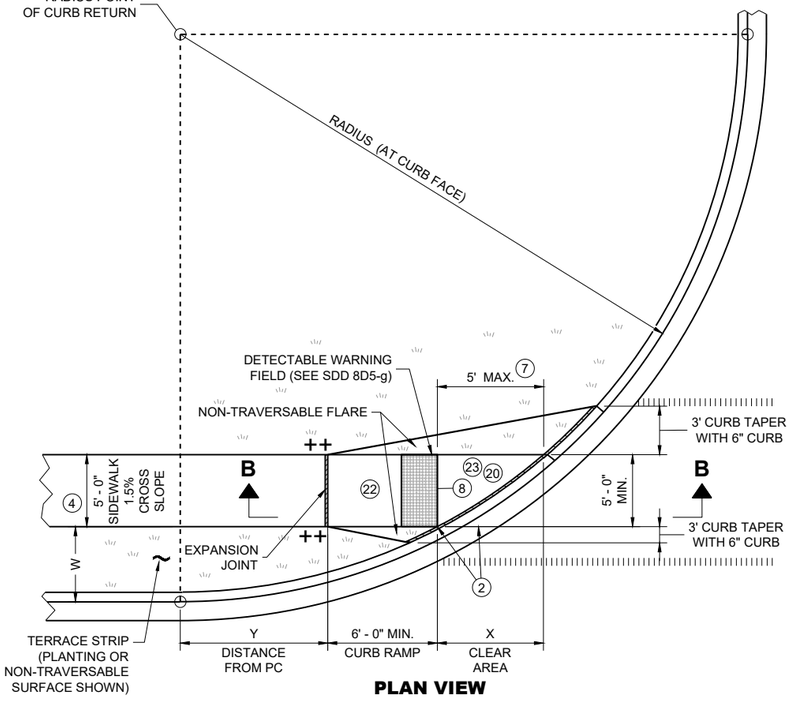
(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.



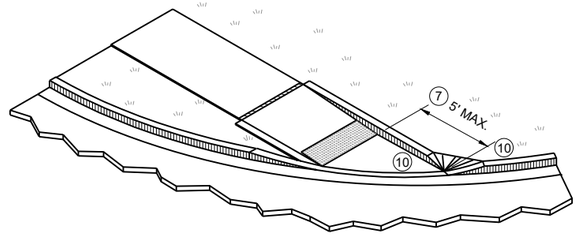
SECTION A - A FOR TYPE 4B



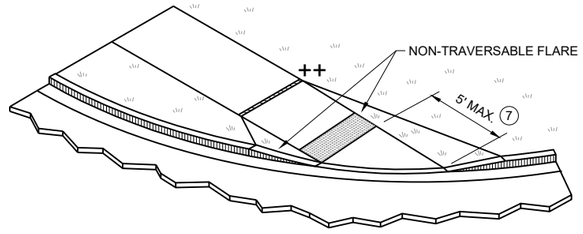
SECTION B - B FOR TYPE 4B AND TYPE 4B1



PLAN VIEW
CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



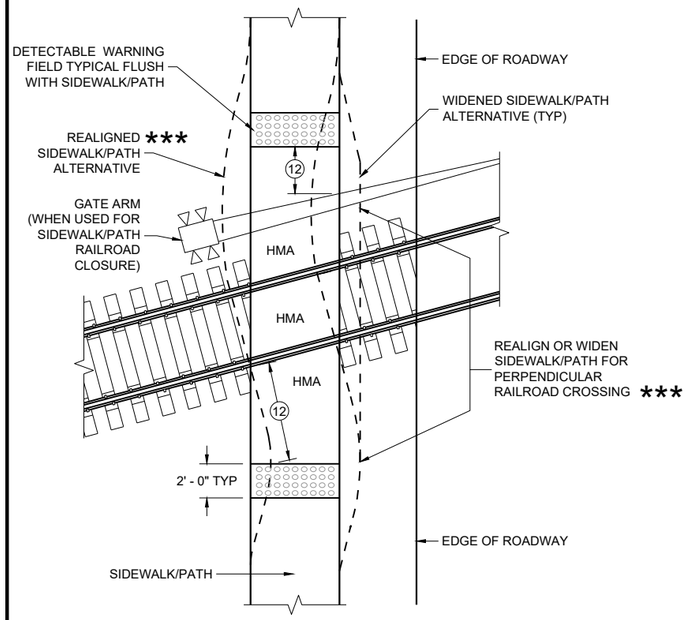
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

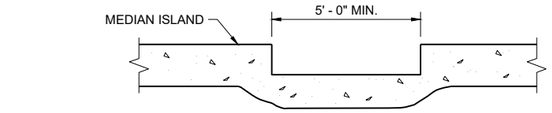
6

SDD 08D05-22d

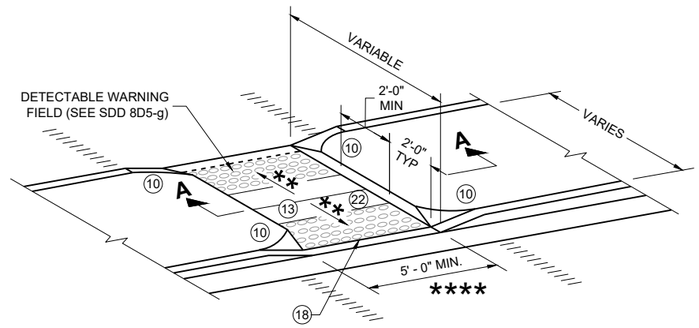


CURB RAMP TYPE 8

DETECTABLE WARNINGS FOR SIDEWALKS OR SHARED USE PATHS AT RAILROAD CROSSINGS



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

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

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.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1%.

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

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

(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.

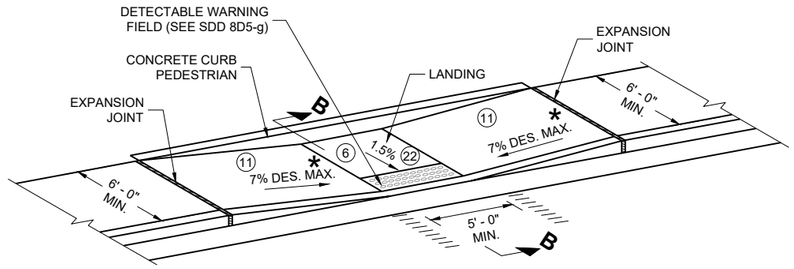
(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK/PATH, WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD TRACK IS 15 FEET MAXIMUM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

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

(18) WHEN THE DISTANCE BETWEEN THE BACK OF CURBS IS LESS THAN 6 FEET BUT THE FACE OF CURB TO FACE OF CURB DISTANCE IS 6 FEET OR GREATER THEN THE DETECTABLE WARNING FIELDS MAY BE MOVED SO THAT THE EDGE OF THE WARNING FIELD IS PLACED AT THE GUTTER FLOWLINE. MAINTAIN A MINIMUM OF TWO FEET BETWEEN DETECTABLE WARNING FIELD PANELS.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.



CURB RAMP TYPE 7A

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

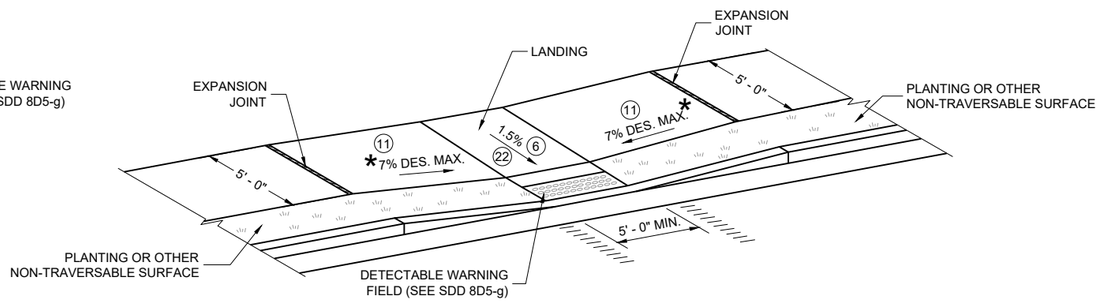
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- * MAXIMUM 8.3%
- ** 1% MINIMUM (PROVIDE DRAINAGE)
- *** DETAILS TO BE DETERMINED BY ENGINEER
- **** FOR SHARED USE PATHS, WIDTH MUST BE AS WIDE AS THE CROSSWALK

CURB RAMP TYPE 6

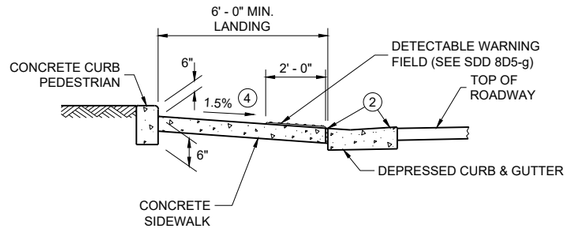
DETECTABLE WARNING AT ISLANDS

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



CURB RAMP TYPE 7B

FOR INTERSECTIONS AND MID BLOCK CROSSINGS

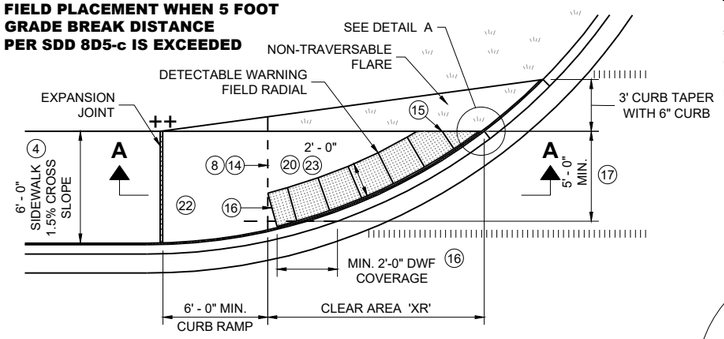


SECTION B - B FOR TYPE 7A

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

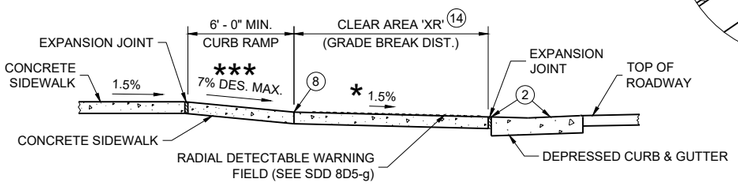
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

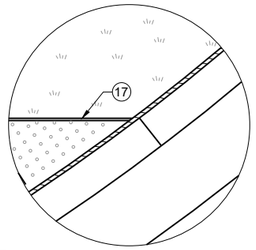
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION A - A FOR TYPE 4A1

LEGEND

═══	½" EXPANSION JOINT SIDEWALK
– – – –	CONTRACTION JOINT SIDEWALK
ıı ıı ıı ıı	PAVEMENT MARKING CROSSWALK (WHITE)
**	WIDTH SHOWN ELSEWHERE IN THE PLANS
***	MAXIMUM 8.3%
++	CONSTRUCT 6" WEDGE TO AVOID CONCRETE BREAKAGE



DETAIL A

GENERAL NOTES

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

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.

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

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER COUNTER SLOPE AND THE CURB RAMP SLOPE IS DESIRABLY 11% OR LESS AND SHALL NOT EXCEED 13.3%. TYPICAL GUTTER COUNTER SLOPE IS 4% BUT MAY BE MODIFIED TO FIT FIELD CONDITIONS. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5%, DESIRABLY 7% OR LESS, AND SHALL NOT EXCEED A MAXIMUM OF 8.3%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) MAXIMUM 8.3% CURB RAMP SLOPE IS ALLOWABLE WITH GUTTER COUNTER SLOPE OF 5% MAXIMUM AND A 13.3% MAXIMUM GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2.1% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A 5 FOOT BY 5 FOOT LANDING. SLOPE PERPENDICULAR TO CURB SHALL BE 2.1% MAXIMUM. SLOPE PARALLEL TO CURB SHALL MATCH THE CURB AND GUTTER LONGITUDINAL SLOPE.

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

(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 2-INCH CONCRETE BORDER IS PERMITTED ALONG ALL SIDES OF THE DETECTABLE WARNING FIELD SURFACE.

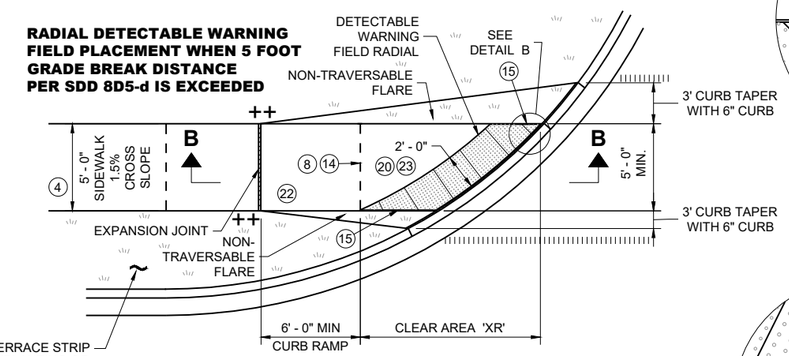
(19) WHERE A LANDING SERVES TWO CURB RAMPS, THE LANDING SLOPE SHALL NOT EXCEED THE CROSS SLOPE AT THE BOTTOM OF THE RAMP OR WITHIN THE CROSSWALK PARALLEL TO THE DIRECTION OF TRAVEL.

(20) MAXIMUM 1.5% DESIGN MAXIMUM AND 2.1% PROWAG MAXIMUM RUNNING SLOPE ON CLEAR AREA. CROSS SLOPE OF CLEAR AREA SHALL MATCH THE CROSS SLOPE OF THE ADJACENT CROSSWALK.

(22) THE ENTIRE RAMP SHALL BE A PLANAR SURFACE. DO NOT WARP THE RUNNING SLOPE OR CROSS SLOPE OF THE RAMP. WARPING OF THE SIDEWALK CROSS SLOPE SHALL TAKE PLACE BETWEEN THE LANDING AND MATCH POINT.

(23) THE CLEAR AREA BETWEEN THE BOTTOM OF RAMP AND BACK OF CURB SHALL BE SLOPED SO THAT WATER DRAINS OUT OF ONE SIDE OR BOTH SIDES OF THE CURB OPENING.

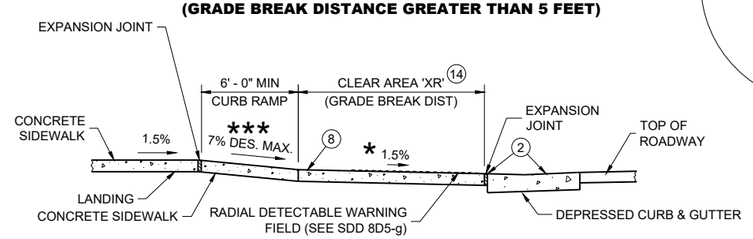
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



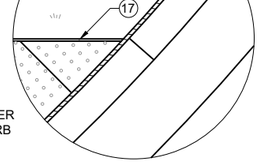
PLAN VIEW

CURB RAMP TYPE 4B1

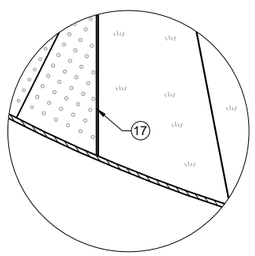
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



SECTION B - B FOR TYPE 4B1

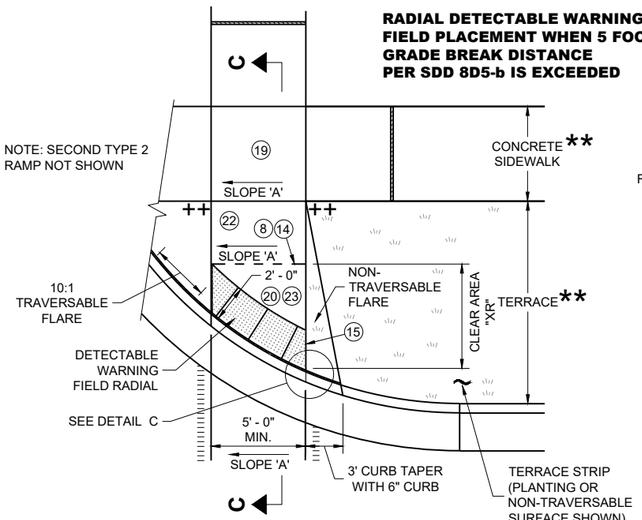


DETAIL B



DETAIL C

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

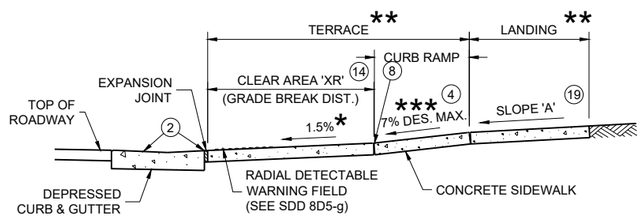


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)



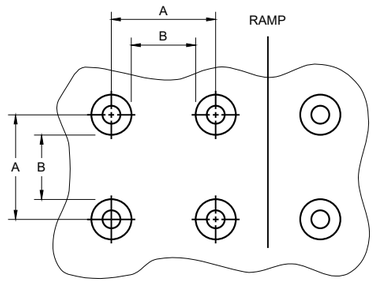
SECTION C - C FOR TYPE 2

CURB RAMPS
RADIAL DETECTABLE WARNING

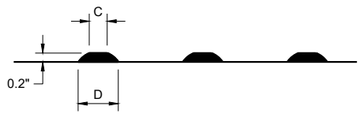
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

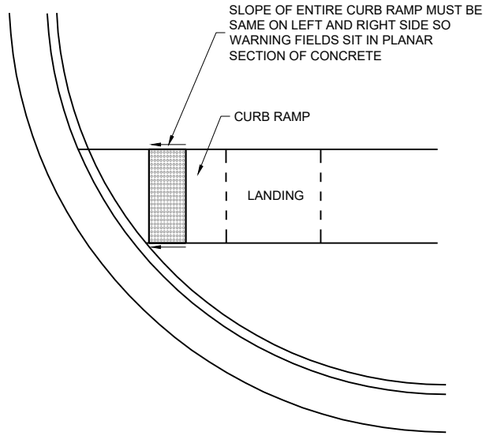
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



PLAN VIEW



ELEVATION VIEW



DETECTABLE WARNING FIELD
PLANAR INSTALLATION

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

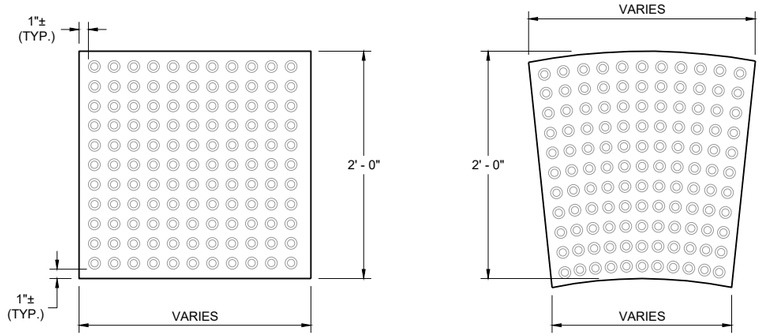
FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

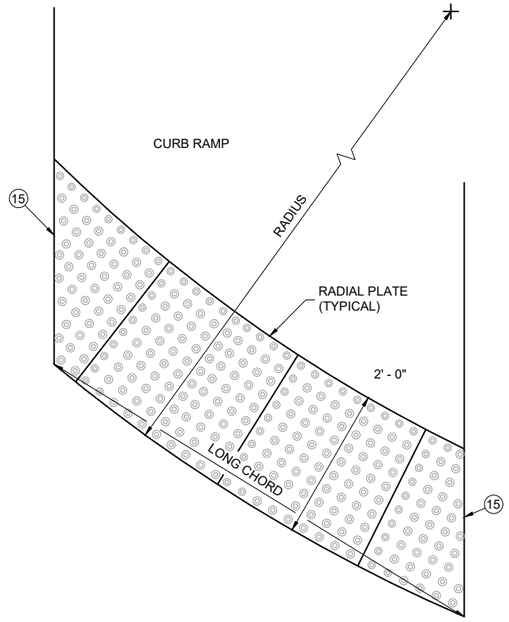
TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



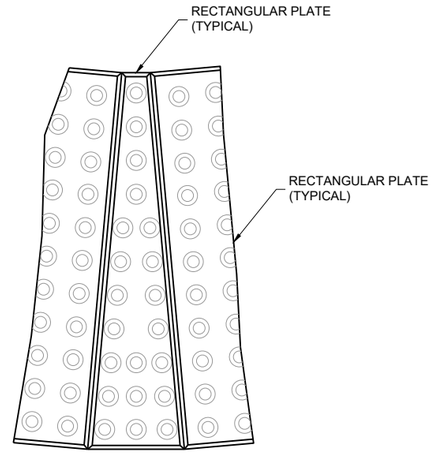
RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

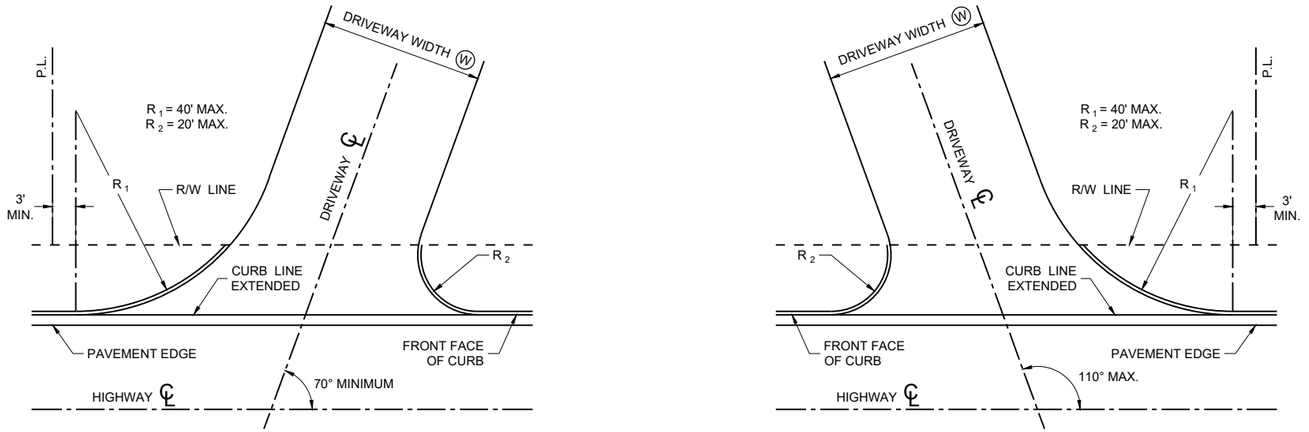
CURB RAMPS
RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — <position>

FHWA

6
SDD 08D05-22g



SKEWED DRIVEWAY DETAILS (COMMERCIAL AND NON-COMMERCIAL)

SIDEWALK NOT SHOWN

GENERAL NOTES

A MAXIMUM RADIUS OF 10 FEET SHALL BE USED FOR NON-COMMERCIAL PRIVATE ENTRANCES. RADII FOR COMMERCIAL DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER BASED ON TRAFFIC AND DRIVEWAY PERMIT RESTRICTIONS.

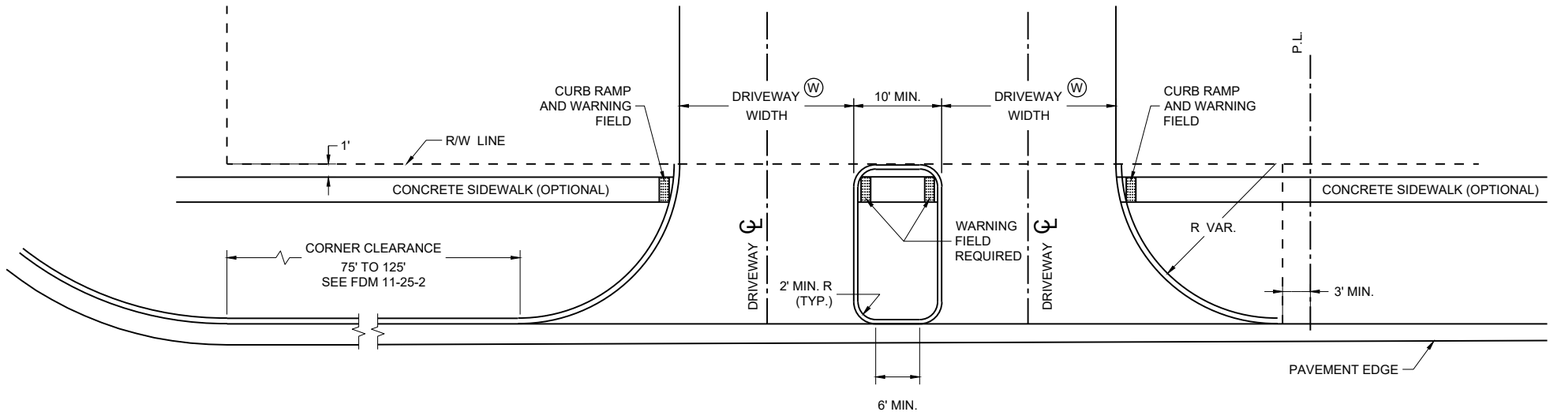
THE MINIMUM ANGLE OF INTERSECTION BETWEEN THE DRIVEWAY AND HIGHWAY CENTERLINES SHALL BE 70°.

ALL CURVILINEAR PRIVATE ENTRANCE OUTLINES SHALL BE CONTAINED WITHIN THE HIGHWAY R/W.

NO DRIVEWAY SHALL BE BUILT WITHIN 3 FEET OF THE PROPERTY LINE EXCEPT FOR EXISTING JOINT DRIVEWAY SHARED BY TWO OWNERS.

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)

16' MIN. - 35' MAX. COMMERCIAL (CE)



DRIVEWAY LOCATION AND SPACING DETAILS

SIDEWALK SHOWN

DRIVEWAYS WITH CURB AND GUTTER RETURNS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2025 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR

FHWA

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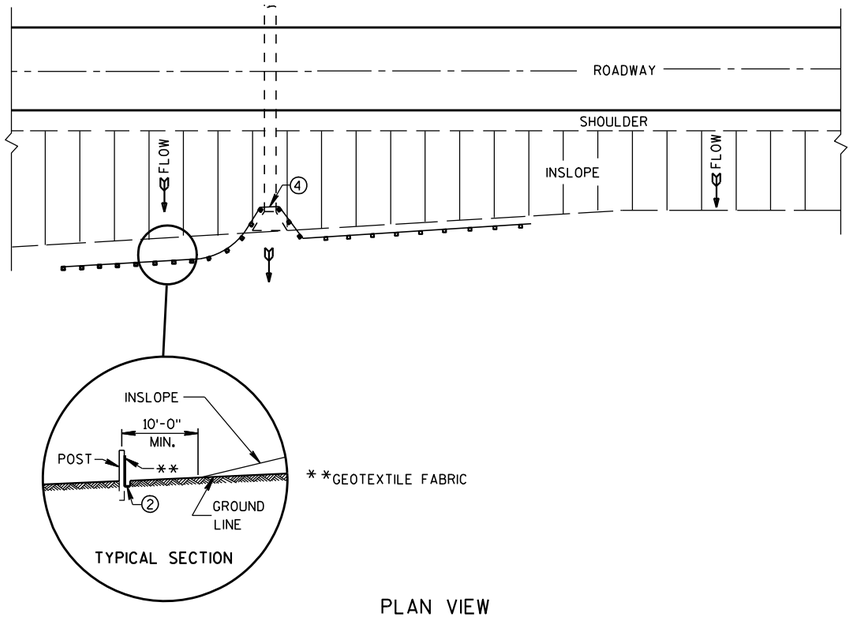
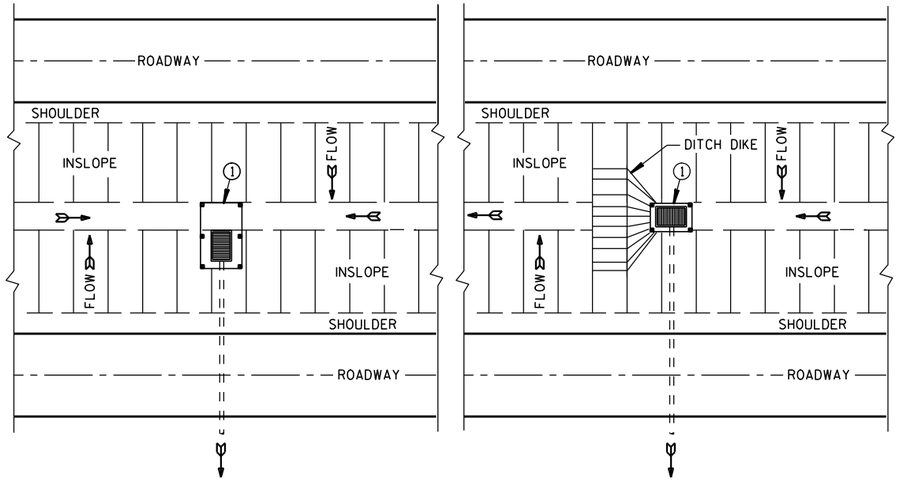
SDD 08D20-02



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



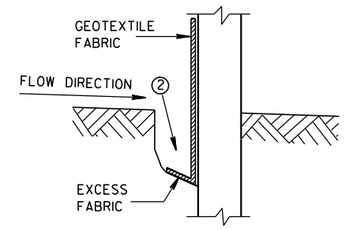
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

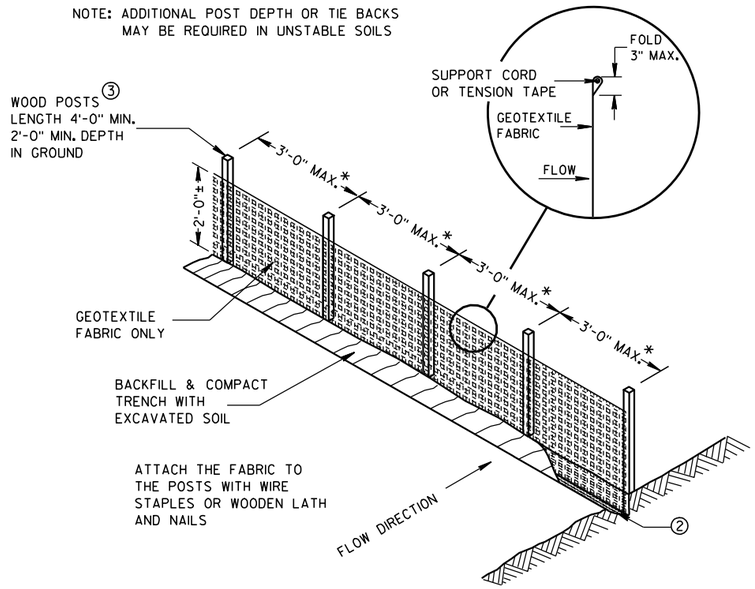
GENERAL NOTES

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

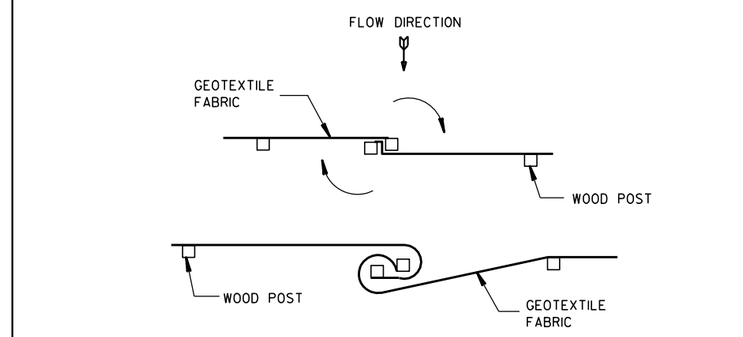
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL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



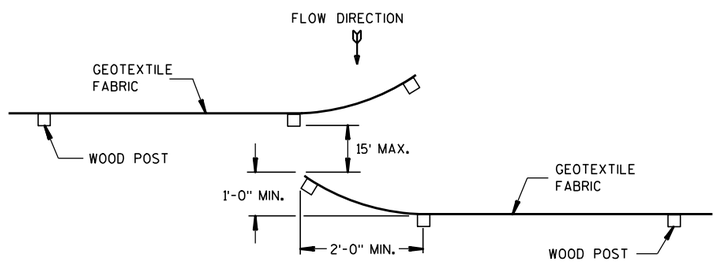
TRENCH DETAIL



SILT FENCE

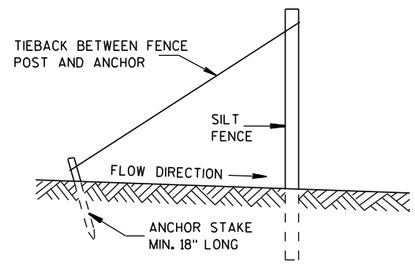


TWIST METHOD



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

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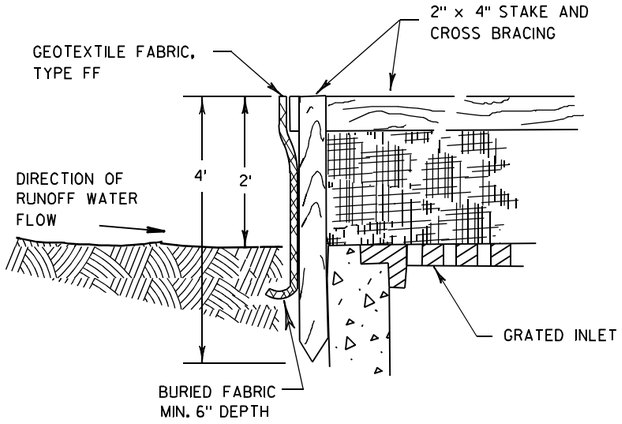
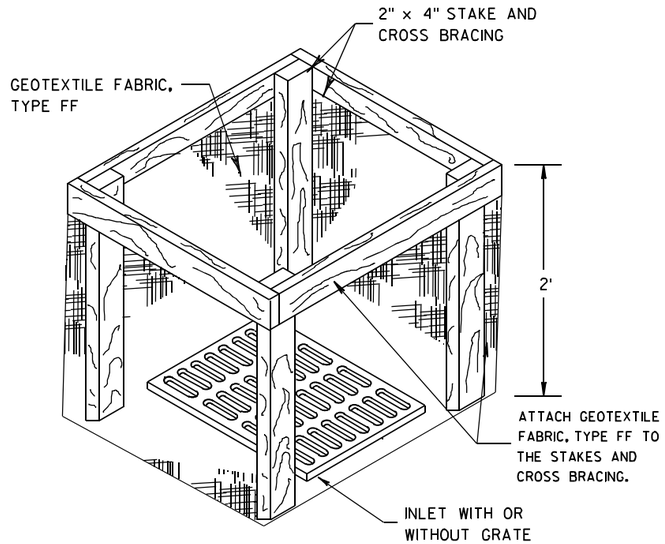
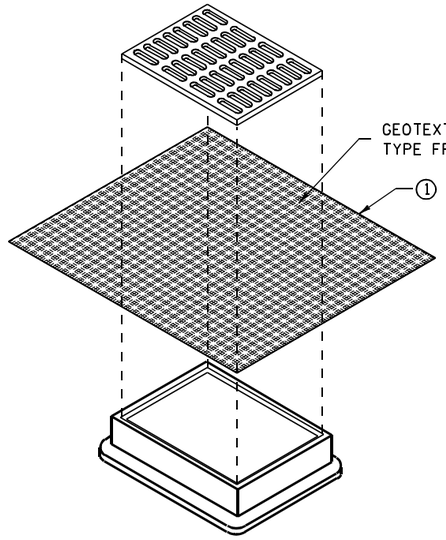
S.D.D. 8 E 9-6



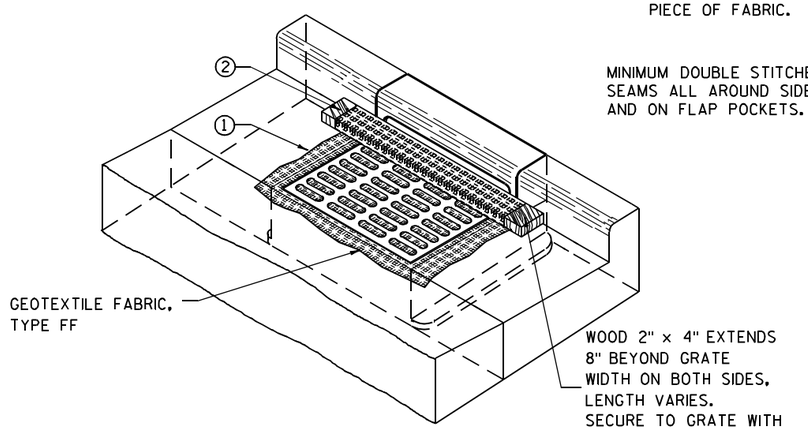


INLET PROTECTION, TYPE A

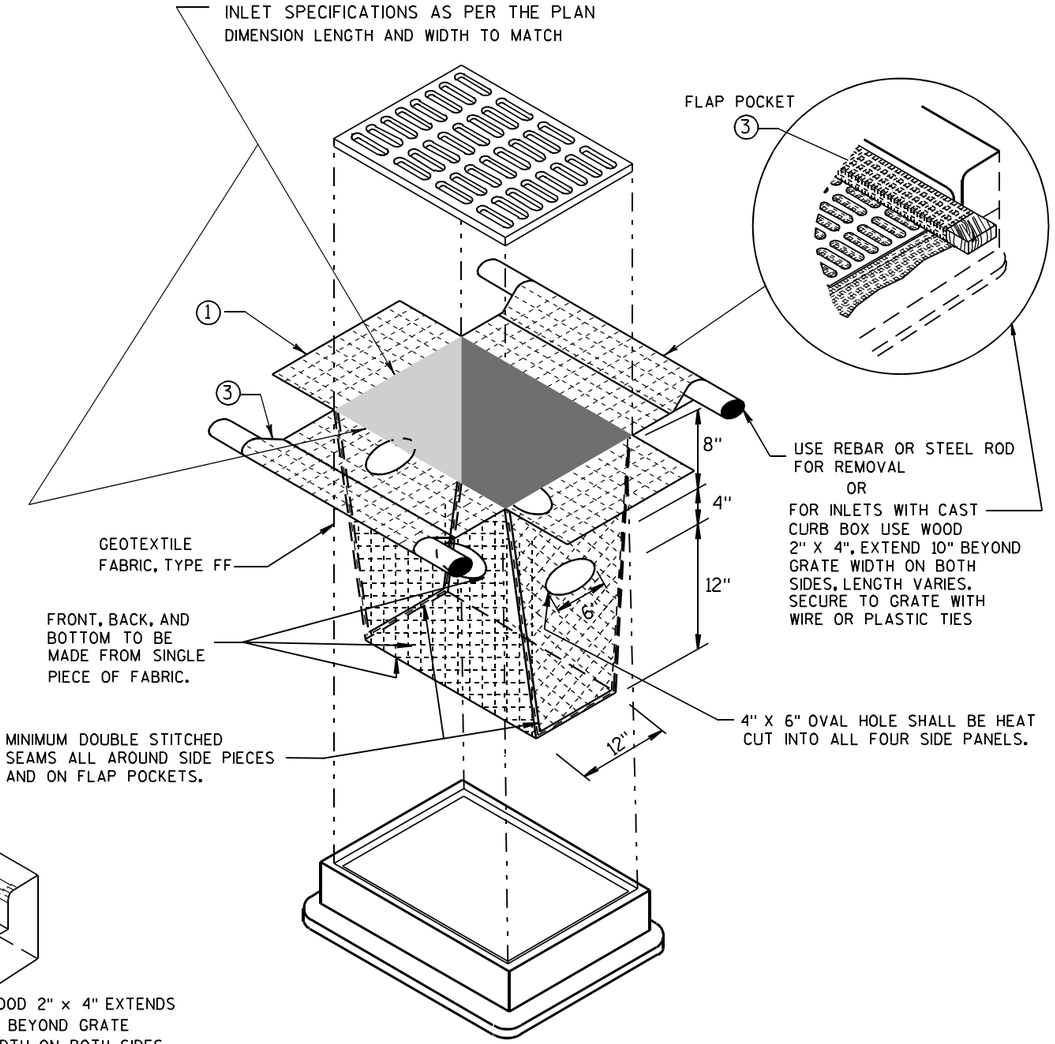


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

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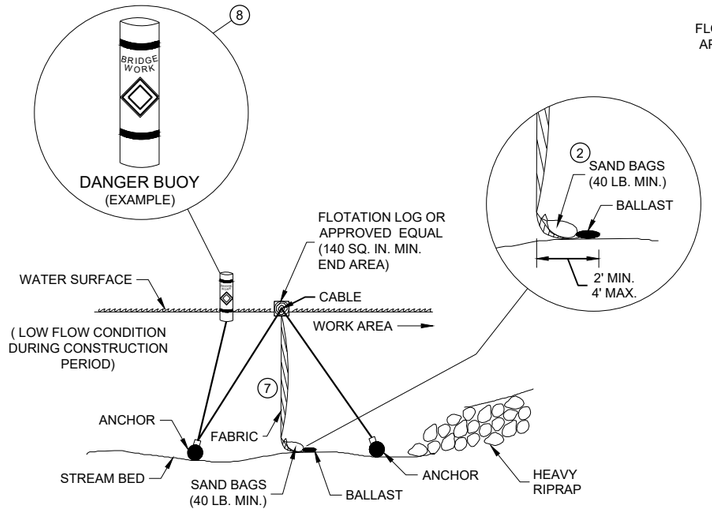
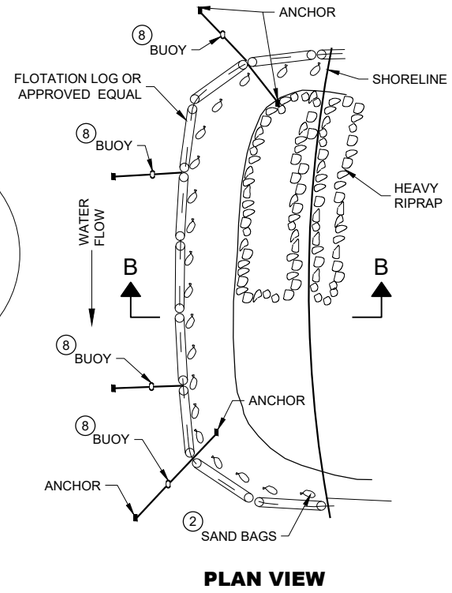
S.D.D. 8 E 10-2

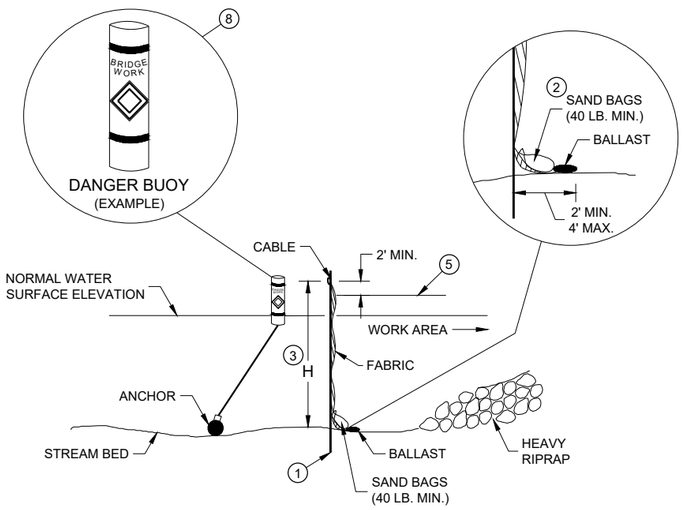


SECTION B - B

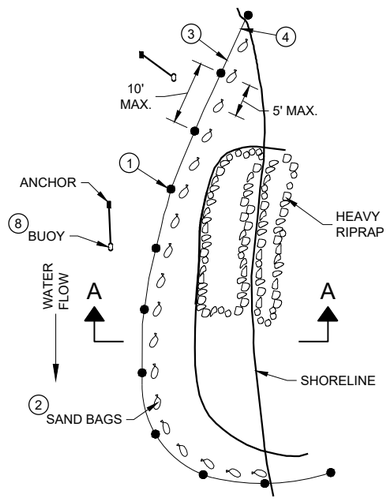


PLAN VIEW

TURBIDITY BARRIER - FLOAT ALTERNATIVE
CAUTION - SEE NOTE 6



SECTION A - A



PLAN VIEW

TURBIDITY BARRIER - STANDARD POST INSTALLATION

TURBIDITY BARRIER PLACEMENT DETAILS

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.

TURBIDITY BARRIER MAY BE REMOVED AT THE ENGINEERS DISCRETION, WHEN PERMANENT EROSION CONTROL MEASURES HAVE BEEN ESTABLISHED.

(1) DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT BARRIER AT HIGH WATER ELEVATIONS.

(2) SAND BAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.

(3) WHEN BARRIER HEIGHT "H" EXCEEDS 8 FEET, POST SPACING MAY NEED TO BE DECREASED.

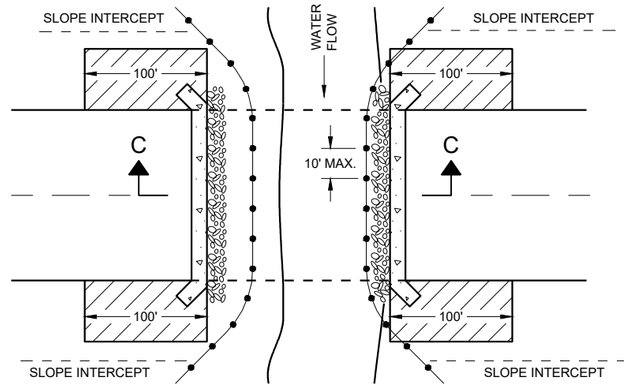
(4) IN WATERWAYS SUBJECT TO FLUCTUATING WATER ELEVATIONS, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE BARRIER OPEN ON THE UPSTREAM END.

(5) ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION PERIOD. MINIMUM BARRIER HEIGHT SHALL BE 2' GREATER THAN EITHER THE Q2 ELEVATION OR THE ESTIMATED HIGH WATER ELEVATION DURING CONSTRUCTION, WHICHEVER IS GREATER.

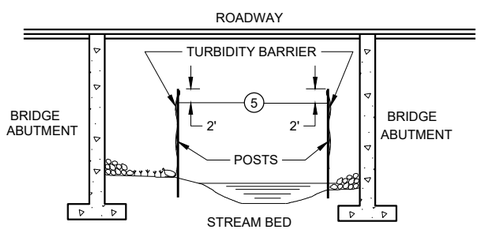
(6) FLOAT ALTERNATIVE WILL ONLY BE ALLOWED WITH WRITTEN APPROVAL OF THE ENGINEER, AND IS MEANT FOR LOCATIONS WHERE BEDROCK PREVENTS THE INSTALLATION OF POSTS.

(7) ALLOW SUFFICIENT SLACK VERTICALLY AND HORIZONTALLY SO THAT SEDIMENT BUILD UP WILL NOT SEPARATE OR LOWER THE TURBIDITY BARRIER.

(8) USE AS DIRECTED BY COAST GUARD OR DNR PERMIT WHEN WORKING IN NAVIGABLE WATERWAYS.



PLAN VIEW



SECTION C - C

TURBIDITY BARRIER DETAIL SHOWING TYPICAL PLACEMENT AT STRUCTURES

TURBIDITY BARRIER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/4/02
DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOI
ENGINEER

FHWA

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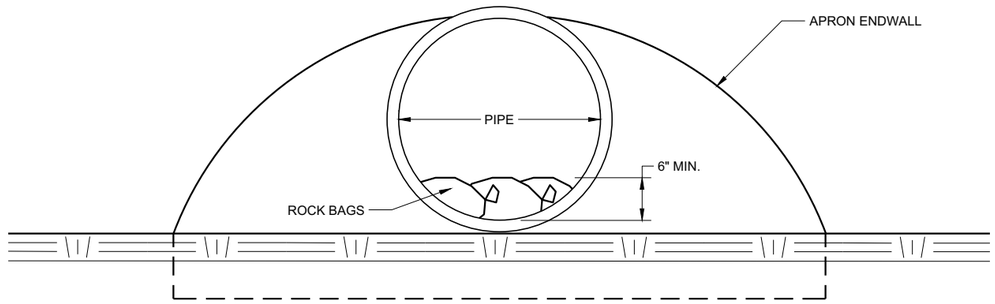
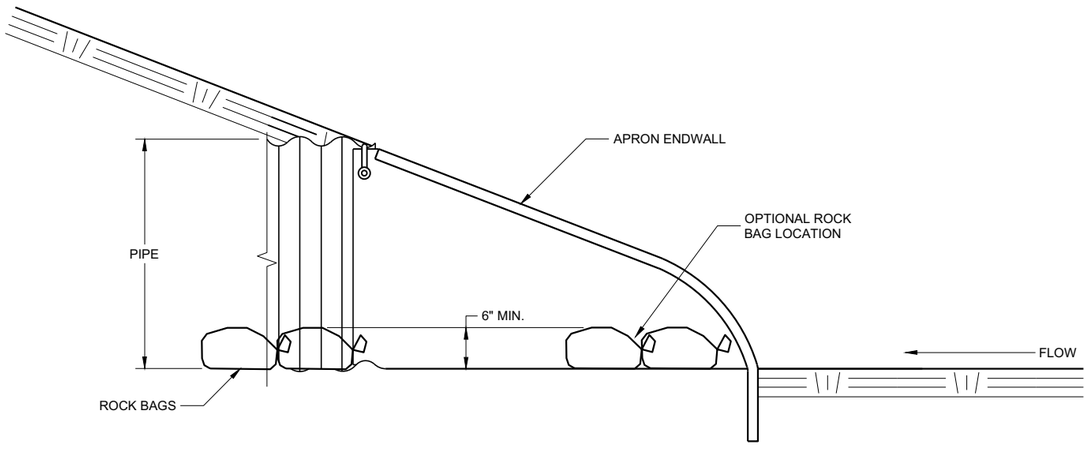
SDD 08E11 - 02



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI
FHWA	

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SDD 08E15 - 01

METAL APRON ENDWALLS

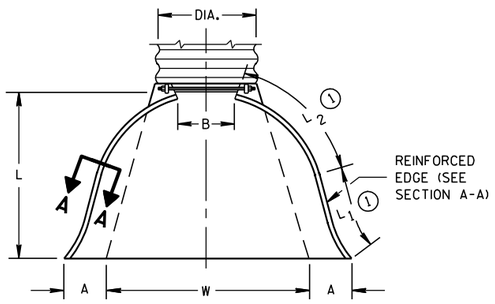
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

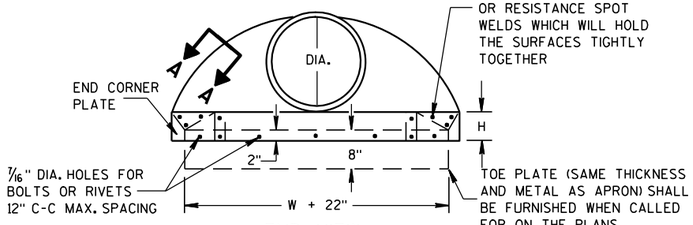
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

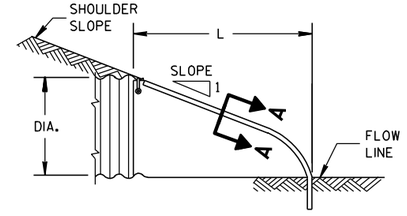
*MINIMUM
**MAXIMUM



PLAN VIEW

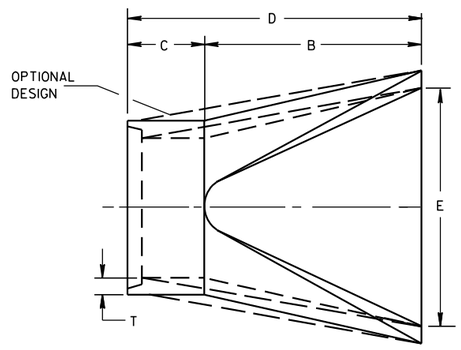


END VIEW

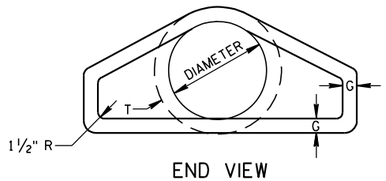


SIDE ELEVATION

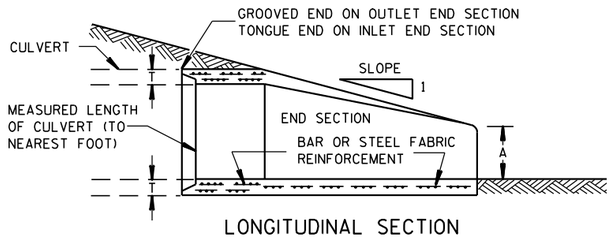
METAL ENDWALLS



PLAN

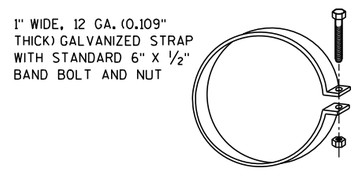


END VIEW



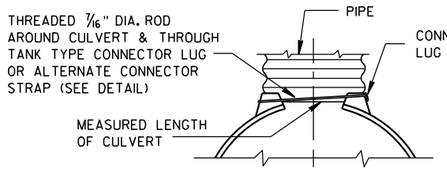
LONGITUDINAL SECTION

CONCRETE ENDWALLS

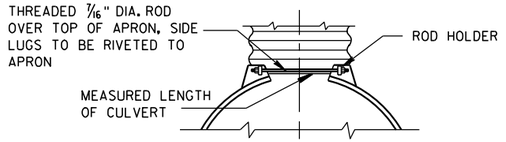


ALTERNATE FOR TYPE 1 CONNECTION

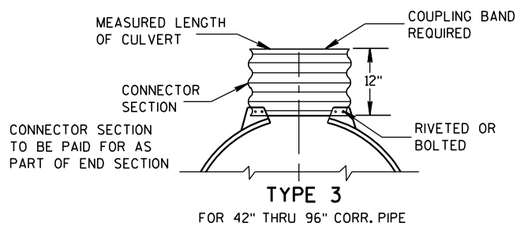
END SECTION CONNECTOR STRAP



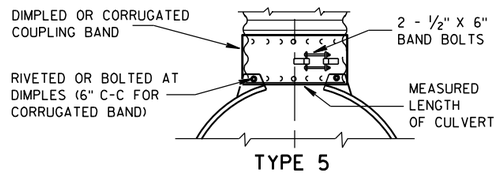
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

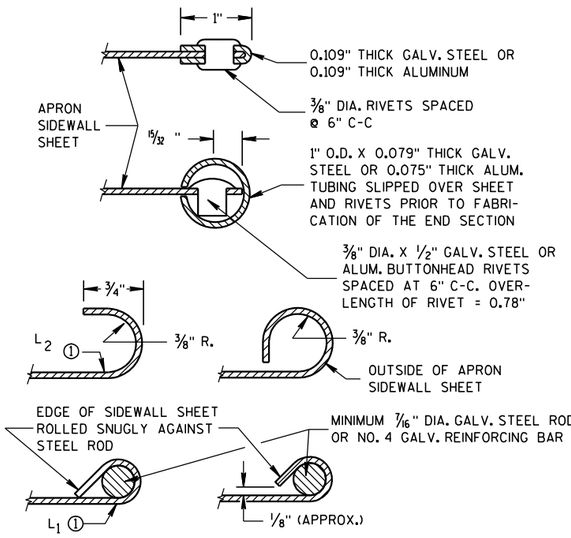
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

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.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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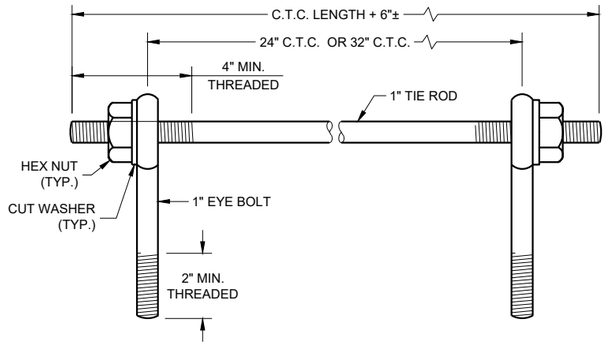
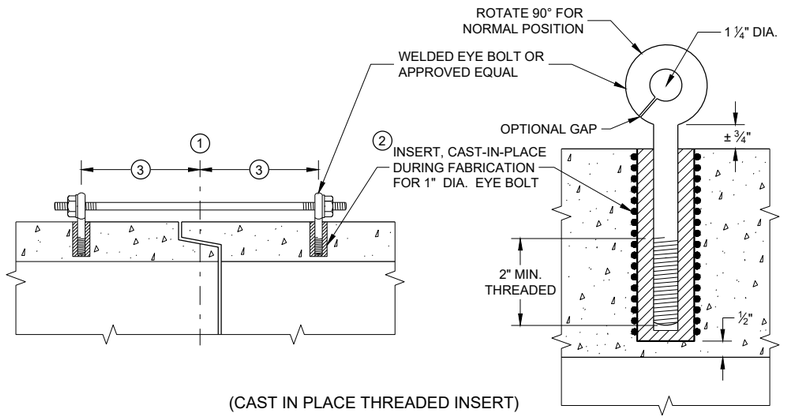
S.D.D. 8 F 1-11



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 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 APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

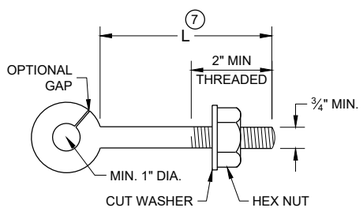
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

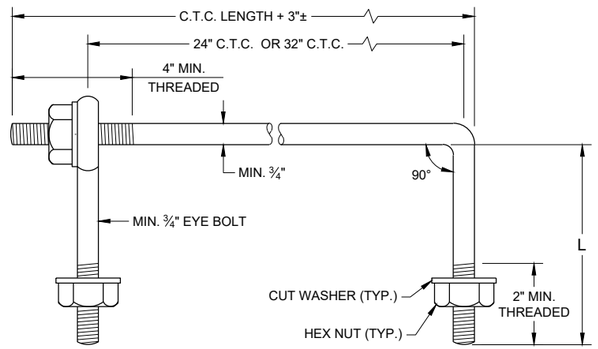
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

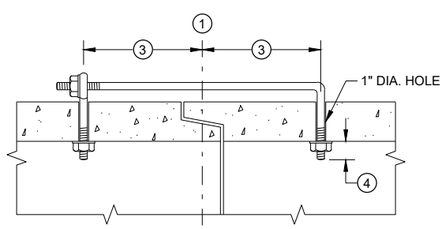


EYE BOLT (7)

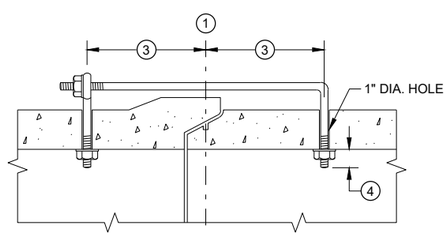
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

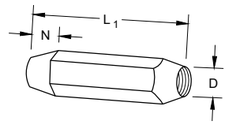
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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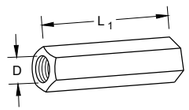
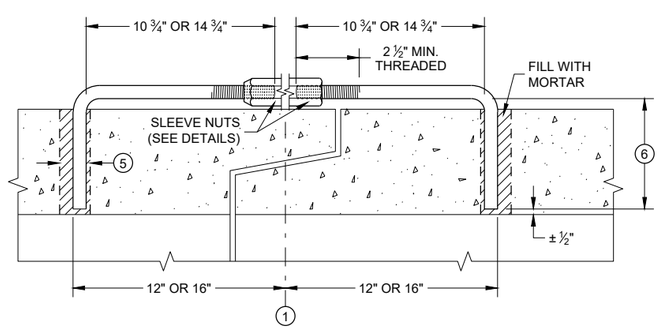


PLAIN

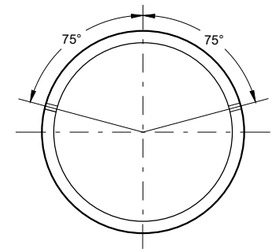
RIGHT AND LEFT THREADS

SLEEVE NUTS



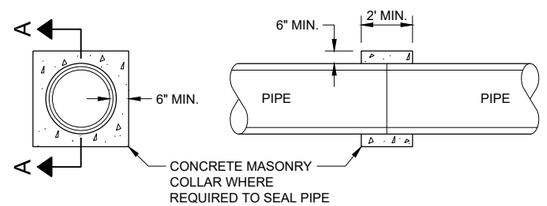
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

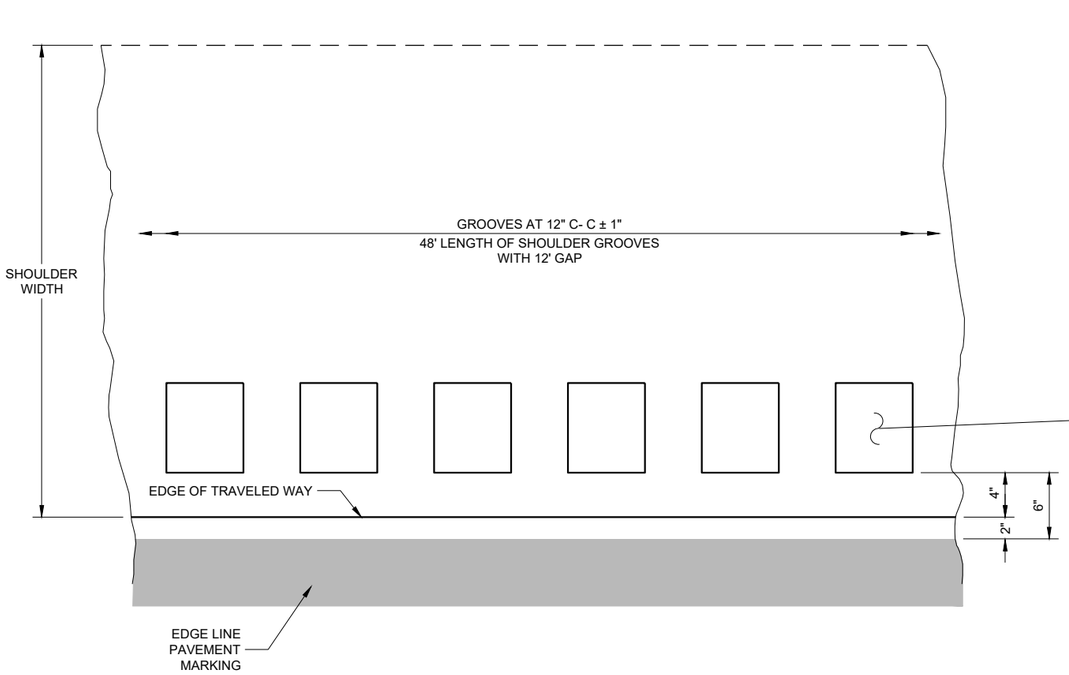
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

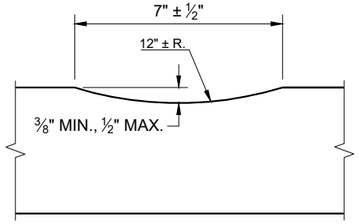
APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

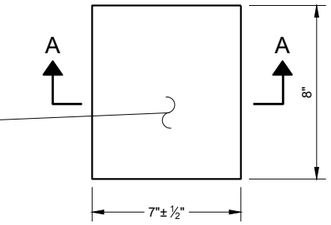
6
SDD 08F04 - 08



PLAN DETAIL VIEW
SHOULDER WITH GROOVES



SECTION A - A

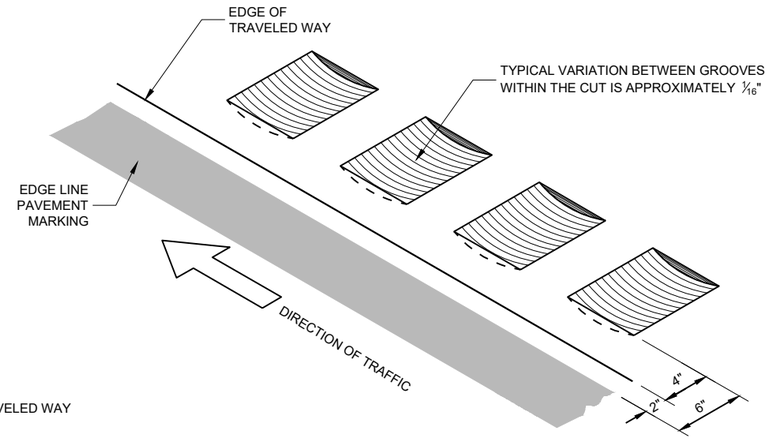


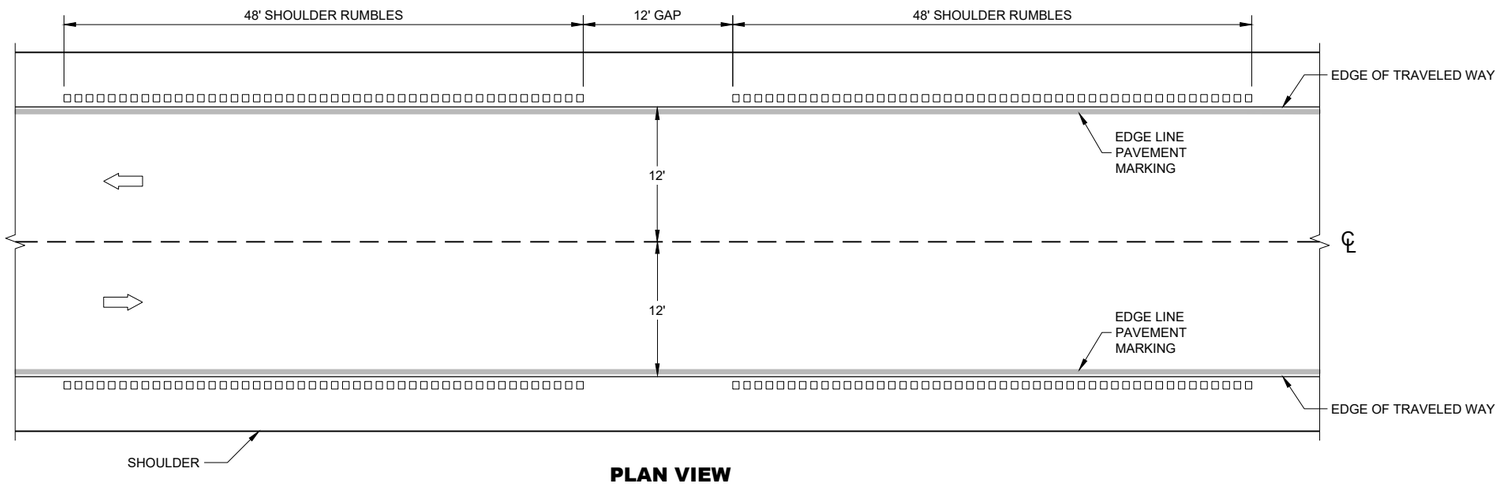
PLAN VIEW
(SINGLE GROOVE)

GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A10 SHEETS "g" AND "h".

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





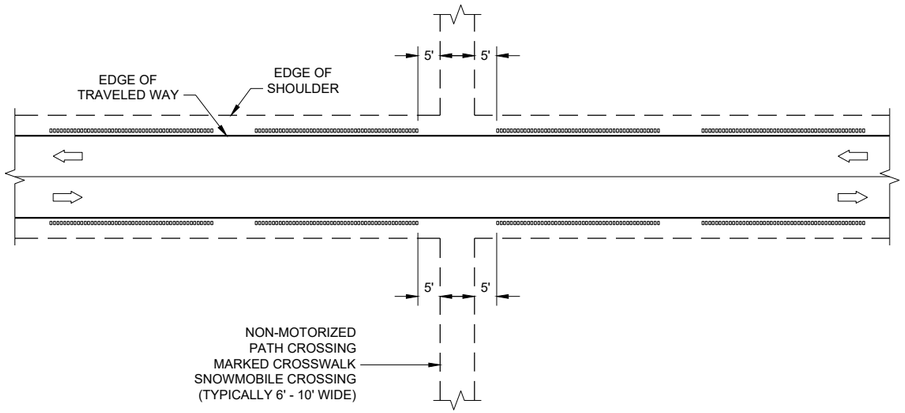
PLAN VIEW

SHOULDER RUMBLE STRIPS - ASPHALT

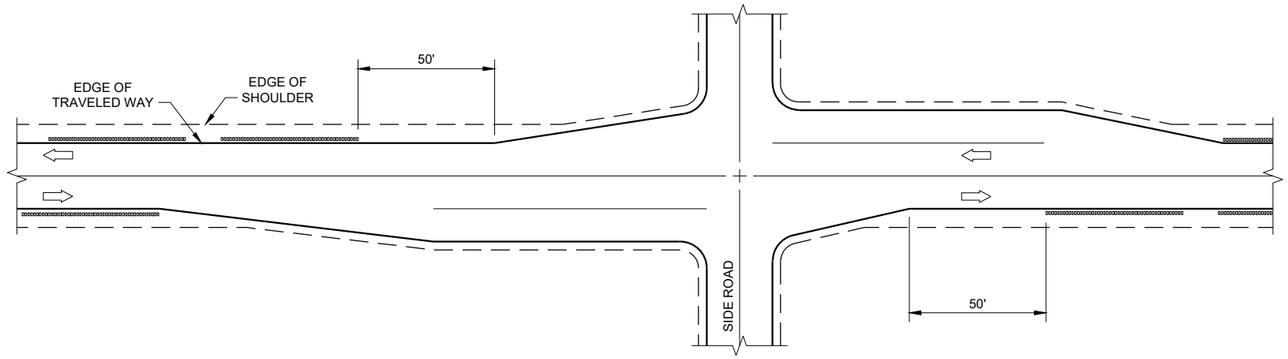
SHOULDER RUMBLE STRIPS ASPHALT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

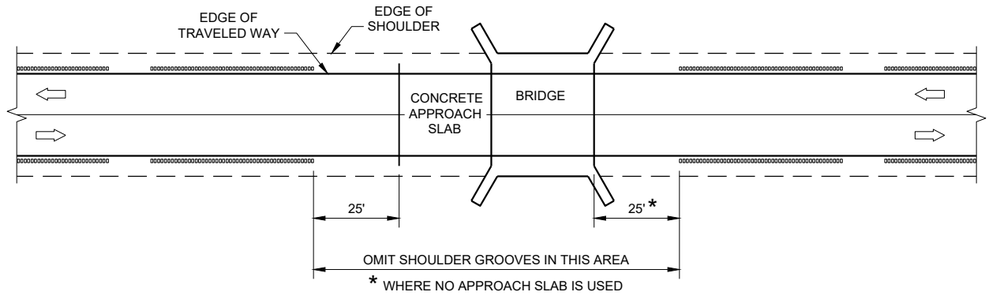
6
SDD 13A10 - 03a



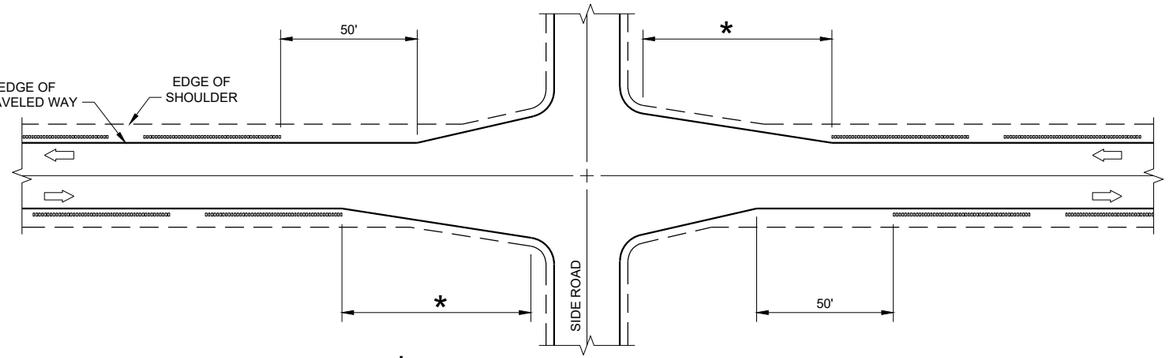
GROOVES AT MISCELLANEOUS CROSSINGS



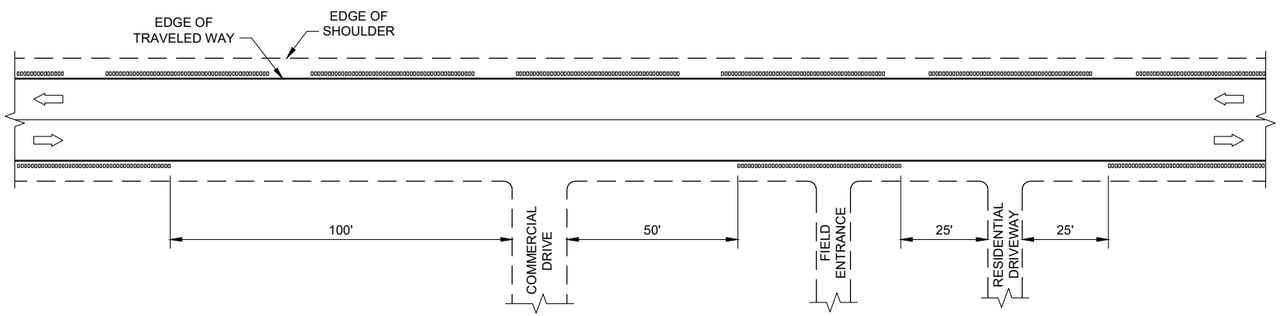
GROOVES AT RIGHT TURN LANE



GROOVES AT BRIDGES



GROOVES AT INTERSECTIONS WITH APPROACH TAPER



GROOVES AT DRIVEWAYS ①

GENERAL NOTES

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

SHOULDER AND EDGE LINE RUMBLE STRIPS CROSSINGS, INTERSECTIONS, BRIDGES, DRIVEWAYS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTA

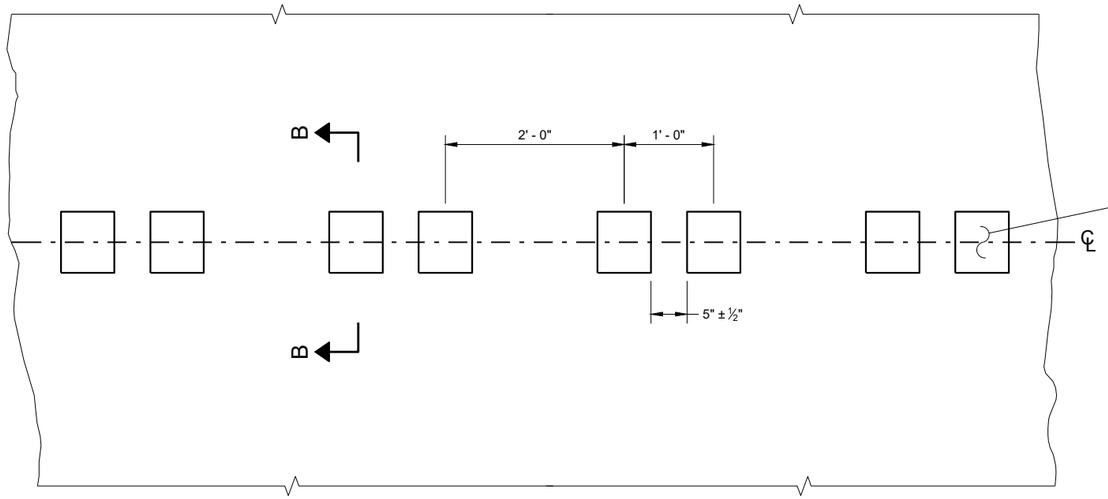
6

SDD 13A10 - 03g

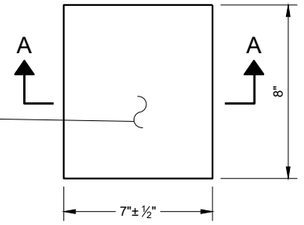
GENERAL NOTES

DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

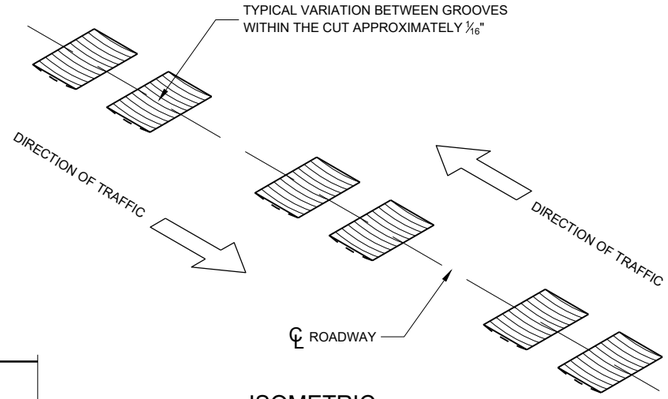
CENTERLINE GROOVES MAY BE OMITTED IN AREAS WITH HIGH CONCENTRATIONS OF DRIVEWAYS WHEN DIRECTED BY THE ENGINEER.



PLAN DETAIL VIEW



PLAN VIEW
(SINGLE GROOVE)



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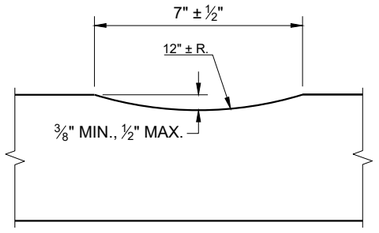
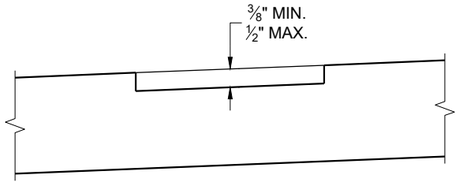
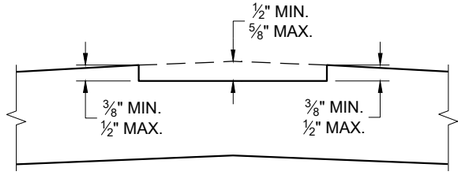


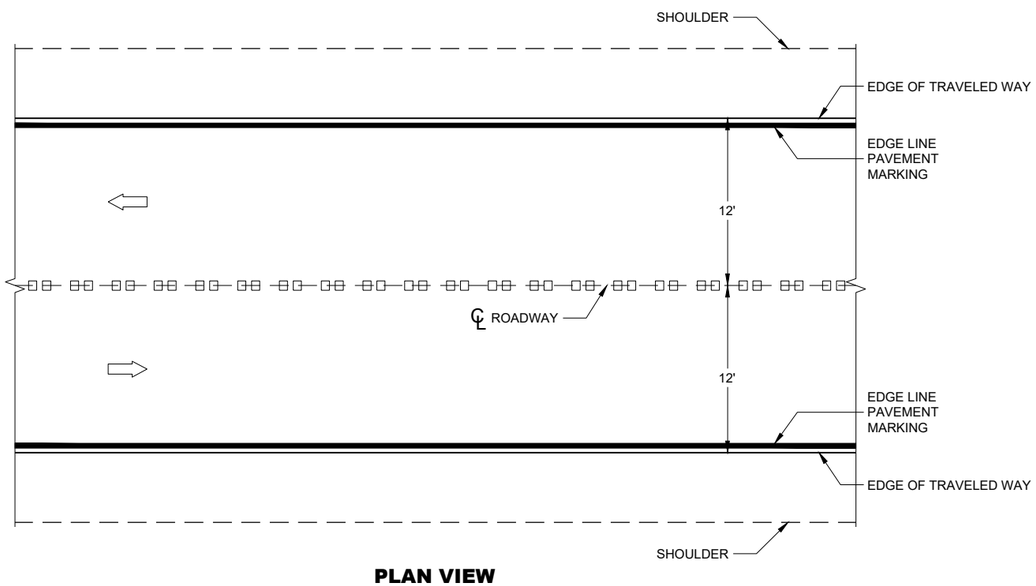
SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY



SECTION B - B
CROWNED ROADWAY



PLAN VIEW

CENTERLINE RUMBLE STRIPS - ASPHALT

CENTERLINE RUMBLE STRIPS - ASPHALT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 13A11 - 04a

6

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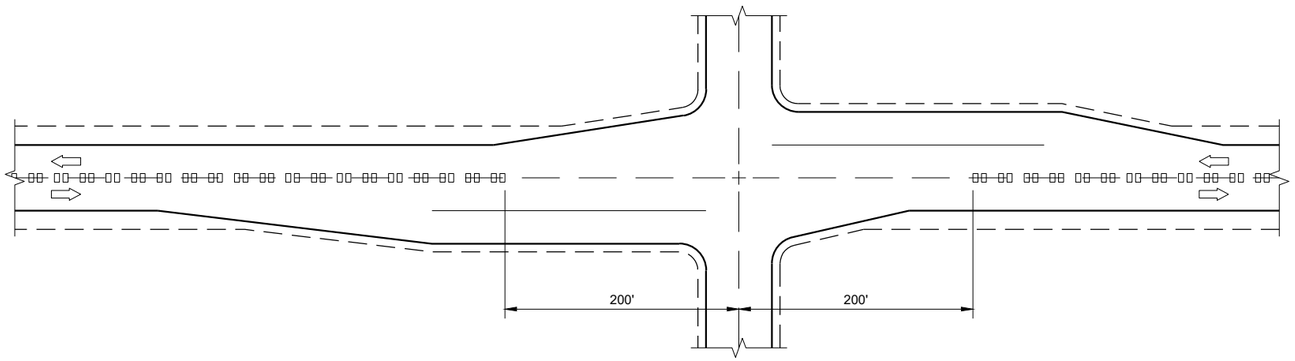
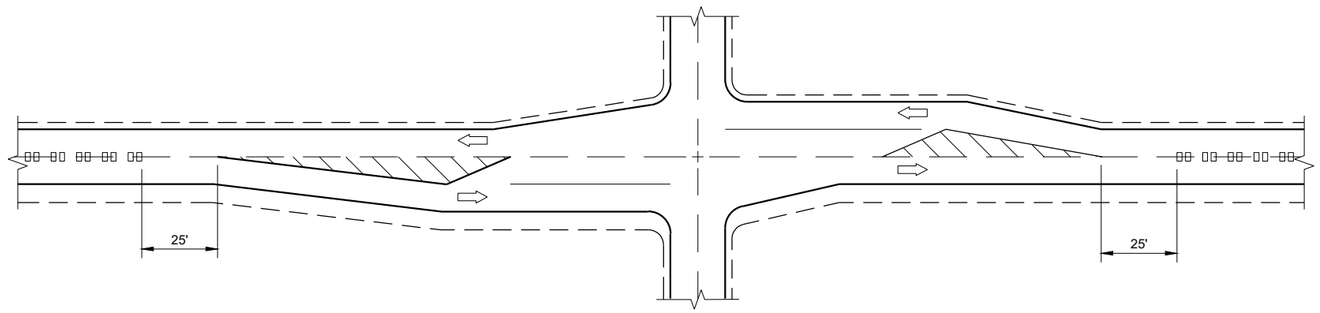
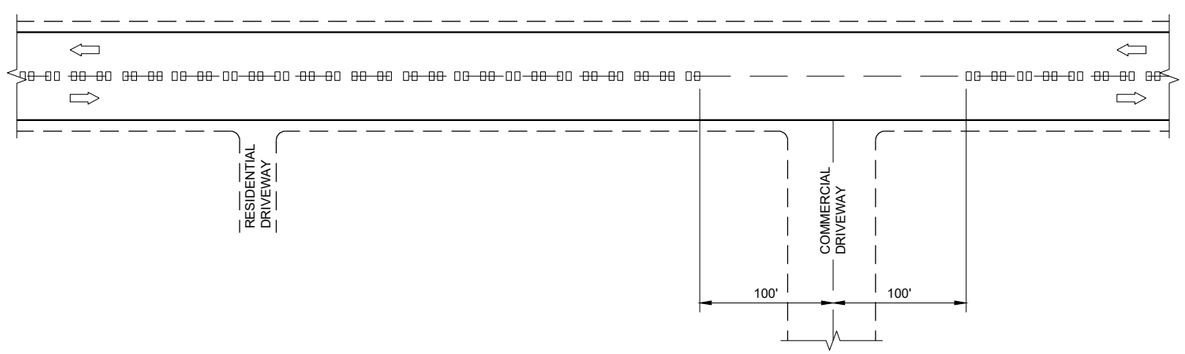


CENTERLINE GROOVES AT INTERSECTIONS



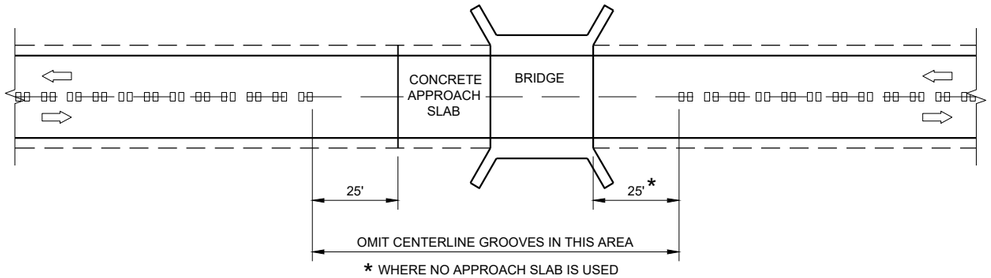
CENTERLINE GROOVES AT INTERSECTIONS (WITH LEFT TURN LANES)



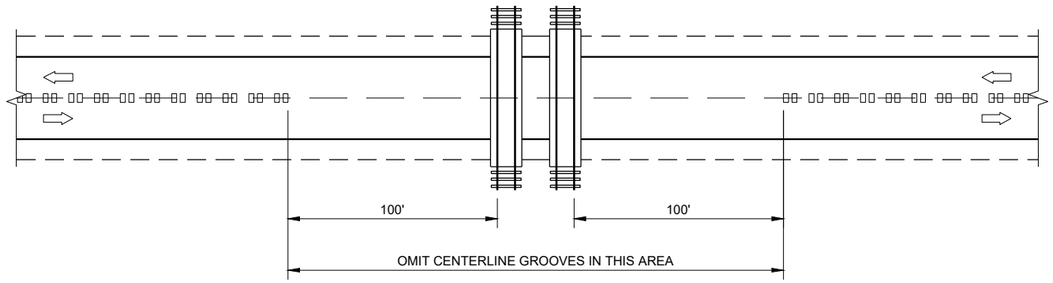
CENTERLINE GROOVES AT DRIVEWAYS (1)

GENERAL NOTES

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



CENTERLINE GROOVES AT BRIDGES



CENTERLINE GROOVES AT RAILROADS

CENTER LINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAIL ROADS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ John Jenkins — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

SDD 13A11 - 04d

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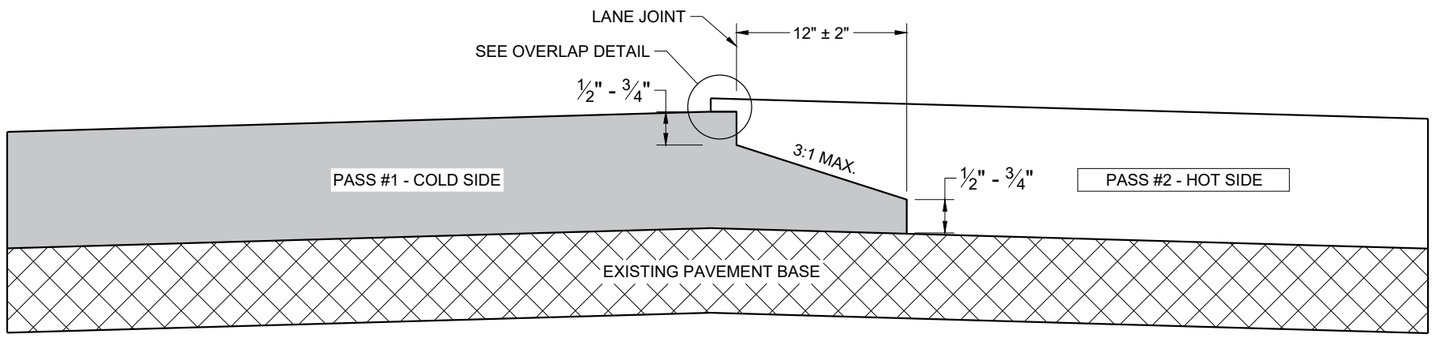
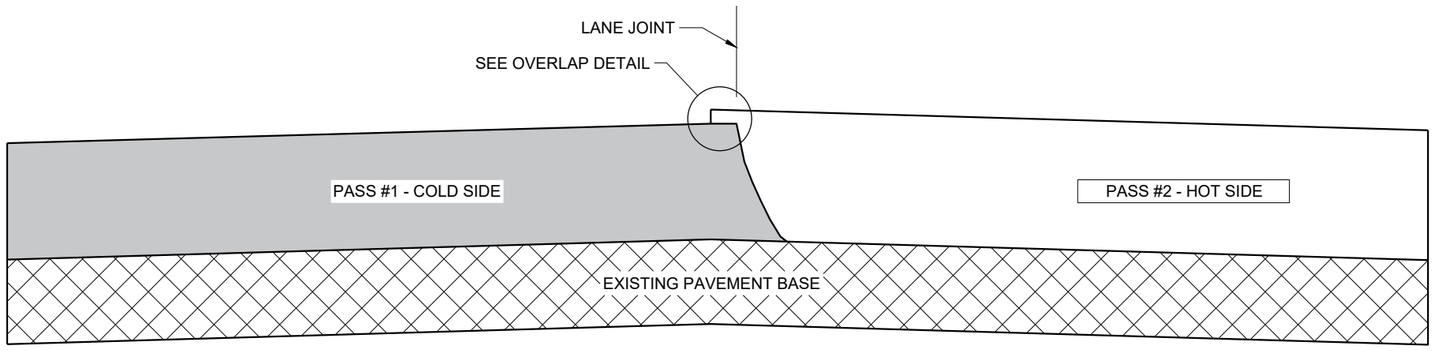
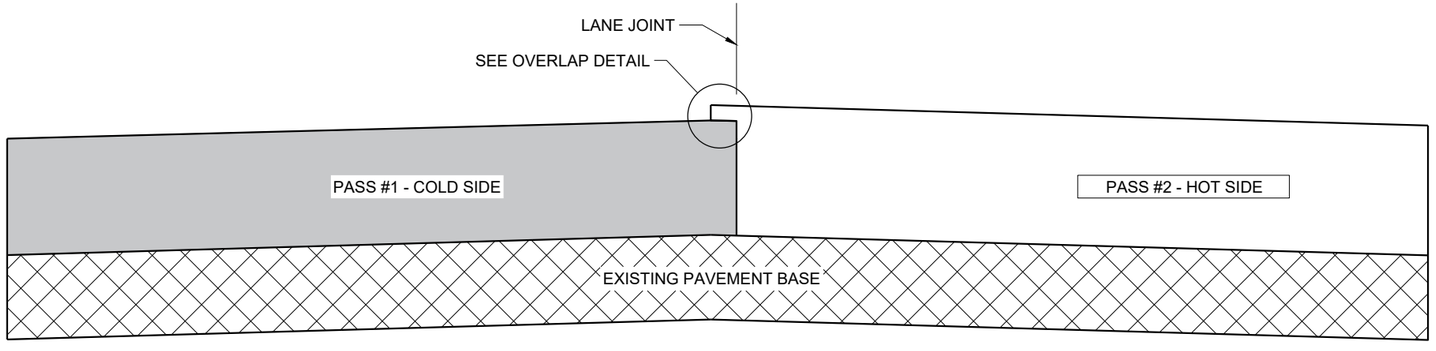
SDD 13A11 - 04d



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

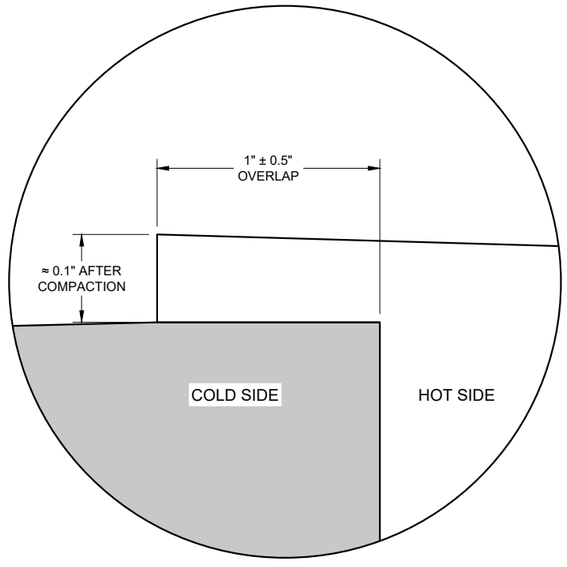
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

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

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

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

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



OVERLAP DETAIL (TYPICAL)

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SDD 13C19 - 03

SDD 13C19 - 03

HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA

(1) WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.

(2) USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.

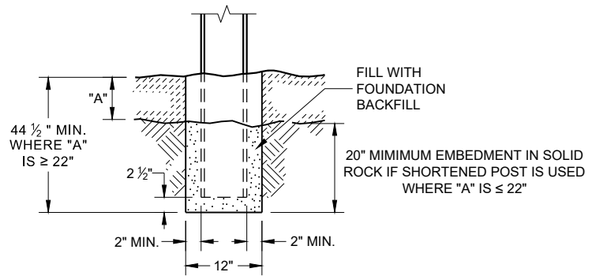
(3) IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AMD INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL 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).

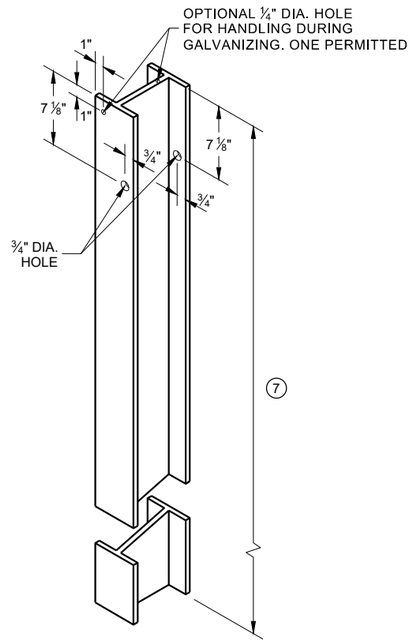
(5) FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS ±1". FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 ¾" TO 32".

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

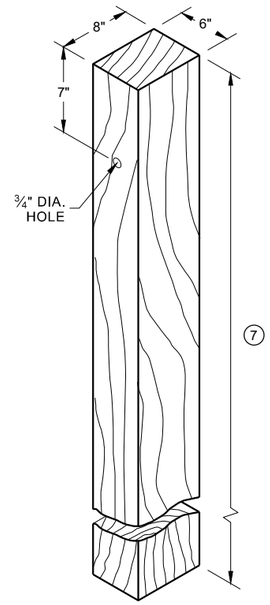
(7) TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".



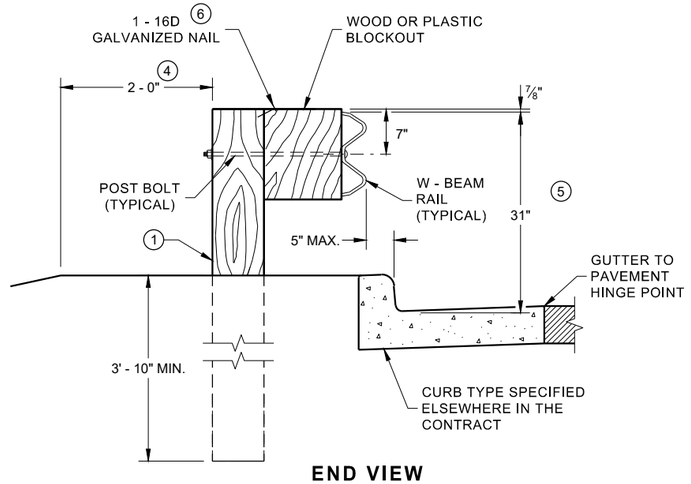
END VIEW
SETTING STEEL OR WOOD POST IN ROCK (3)



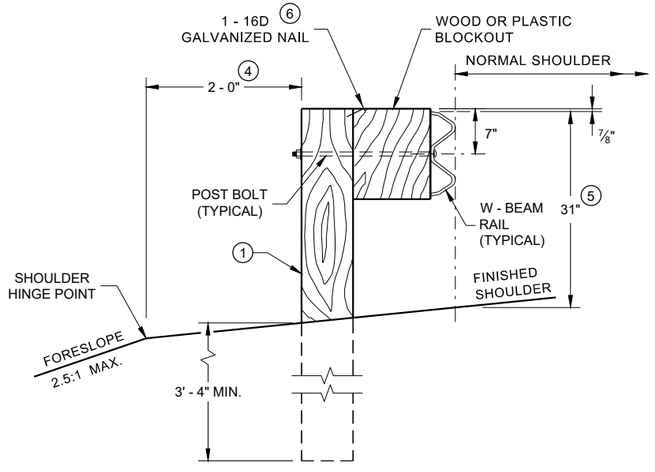
STEEL POST & HOLE PUNCHING DETAIL (W 6 X 9) (1)



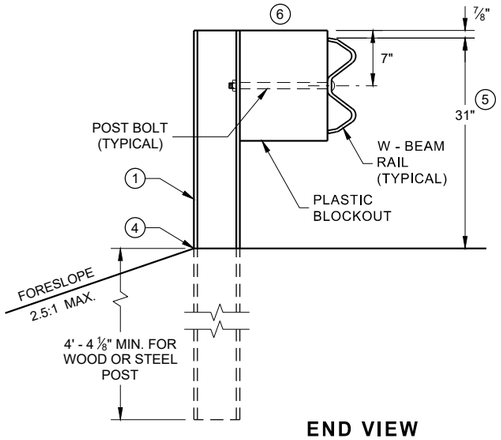
WOOD POST (6" X 8") NOMINAL (1)



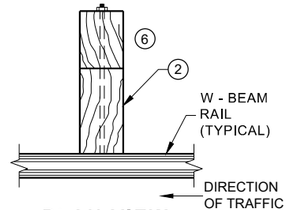
END VIEW
LOCATED ALONG A CURBED ROADWAY



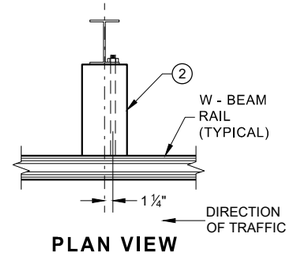
END VIEW
LOCATED ALONG A ROADWAY SHOULDER STANDARD INSTALLATION



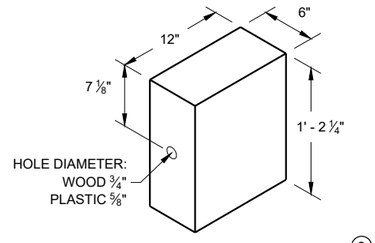
END VIEW
MGS LONGER POST AT HALFPOST SPACING W BEAM (K)



PLAN VIEW
WOOD POST, BLOCKOUT & BEAM



PLAN VIEW
STEEL POST, PLASTIC BLOCKOUT & BEAM



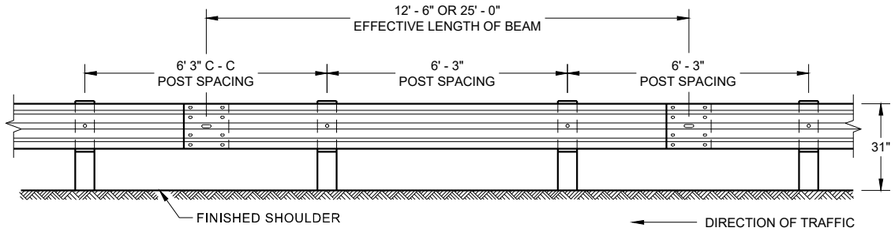
WOOD OR PLASTIC BLOCKOUT (2)

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

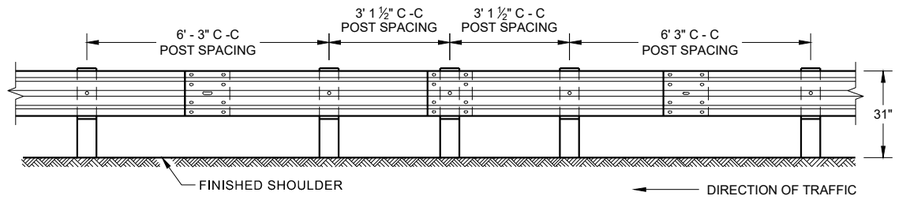
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B42 - 07a

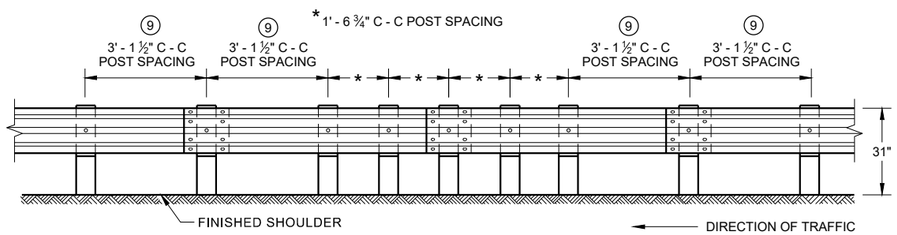
SDD 14B42 - 07a



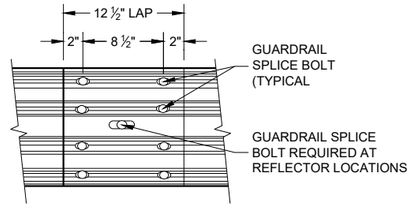
FRONT VIEW
POST SPACING STANDARD INSTALLATION



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



FRONT VIEW
QUARTER POST SPACING (QS)



FRONT VIEW
MID-SPAN BEAM SPLICE

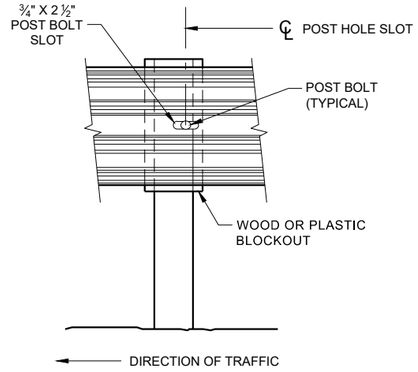
GENERAL NOTES

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

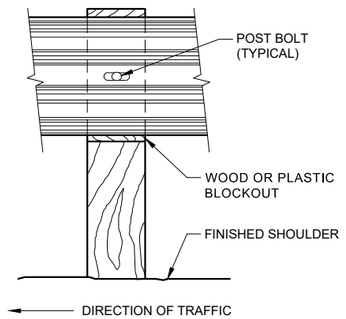
(9) 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A 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.

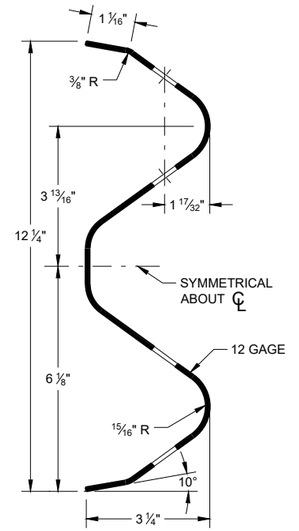
GUARD RAIL SPLICE BOLTS ARE A ⅝" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES ⅝" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



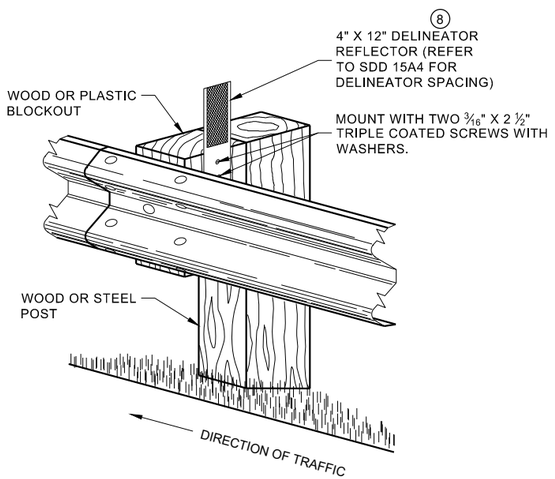
FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



SECTION THRU W-BEAM RAIL



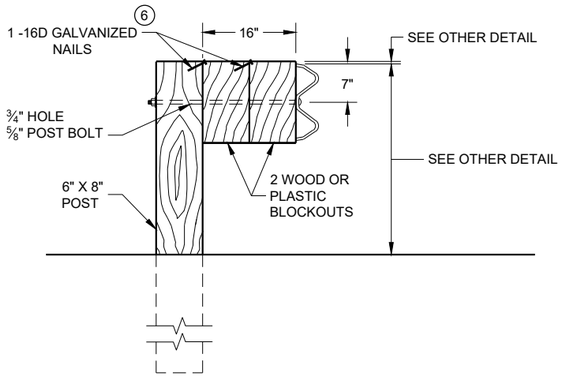
ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION

MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

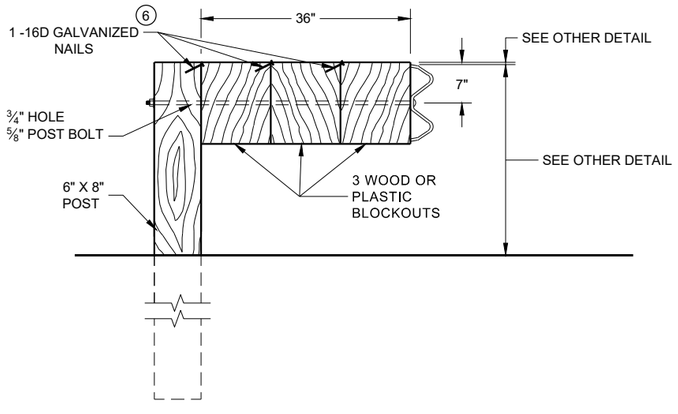
6

SDD 14B42 - 07b



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.



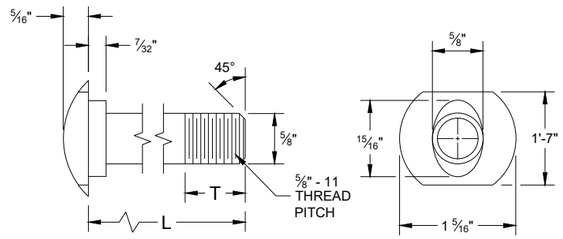
DETAIL FOR 36" BLOCKOUT DEPTH

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.

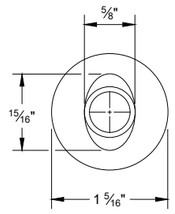
NOTE:

1. ALL FILLETS SHALL HAVE A MINIMUM RADIUS OF 3/16".
2. IF THE BOLT EXTENDS MORE THAN ¼" FROM THE NUT THE BOLT SHOULD BE TRIMMED BACK.

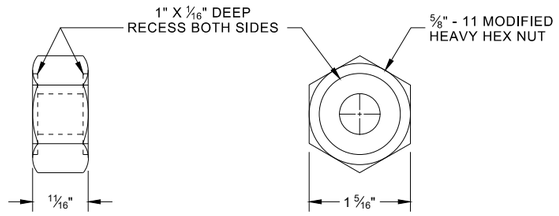


POST BOLT TABLE

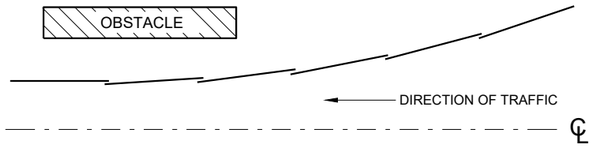
L	T (MIN.)
1 ¼"	1 ⅛"
2"	1 ¾"
10"	4"
14"	4 1/16"
18"	4"
21"	4 1/16"
25"	4"



ALTERNATE BOLT HEAD

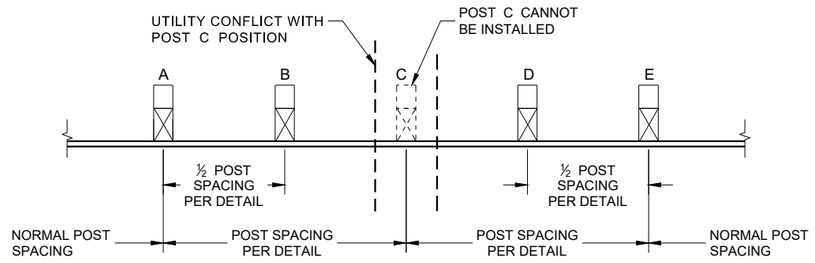


POST BOLT, SPLICE BOLT AND RECESS NUT

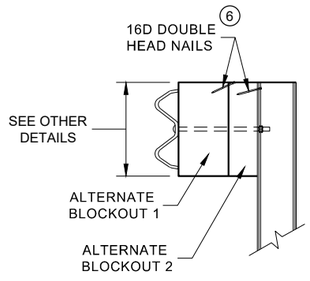


PLAN VIEW

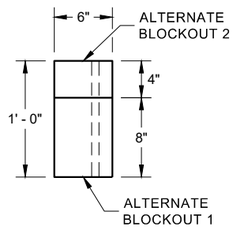
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW



PLAN VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

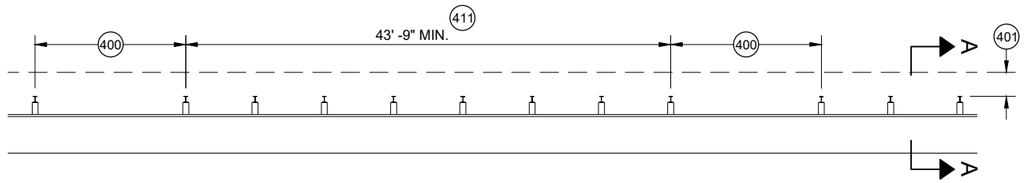
(6) WHEN USING STEEL POST AD WOOD BLOCKOUTS, INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

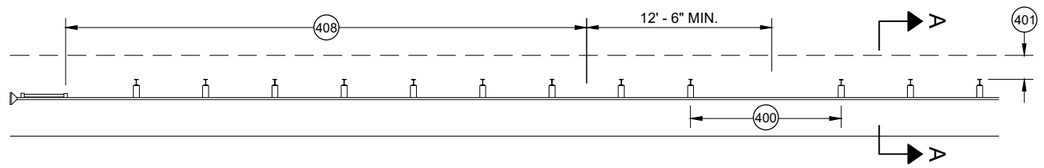
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

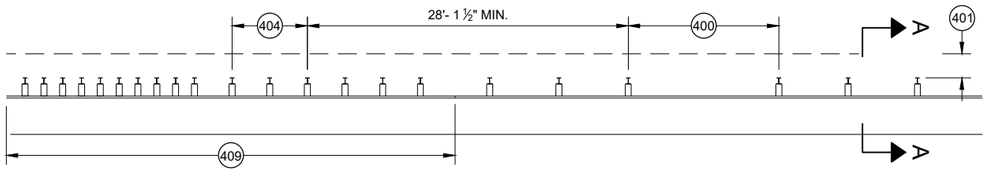
SDD 14B42 - 07c



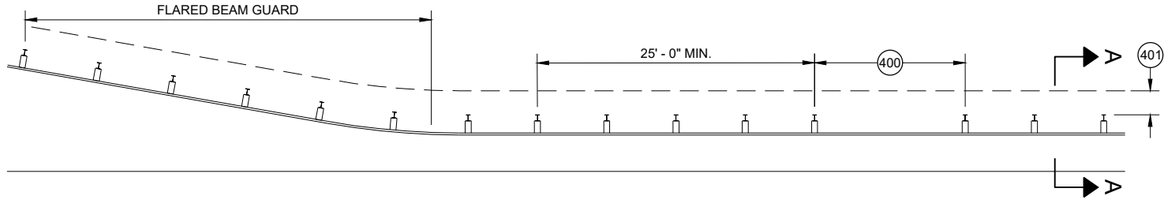
MISSING POST IN MGS GUARDRAIL



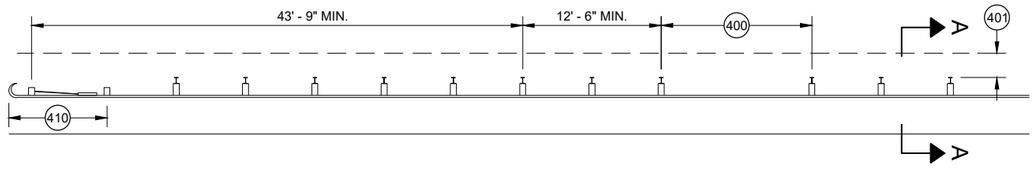
MISSING POST IN MGS GUARDRAIL NEAR EAT



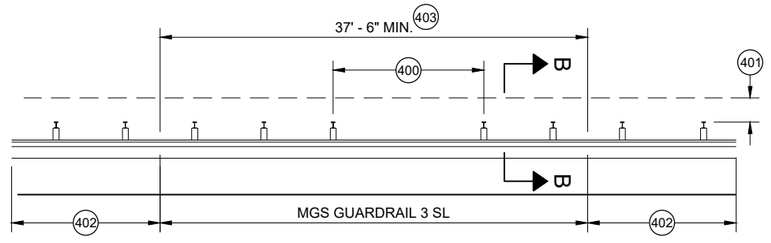
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

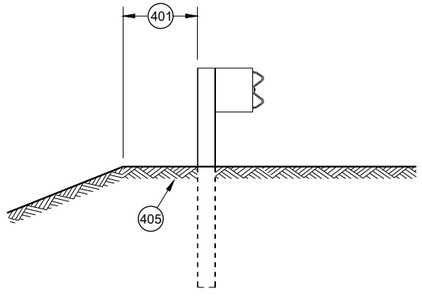


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

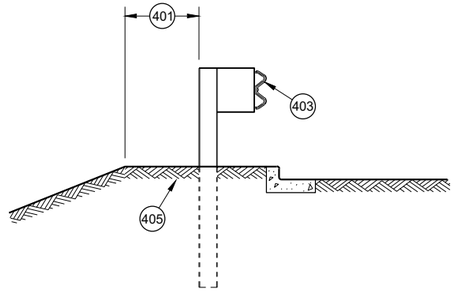


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL) 407

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



SECTION A - A 406



SECTION B - B 406

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 14B42 - 07d

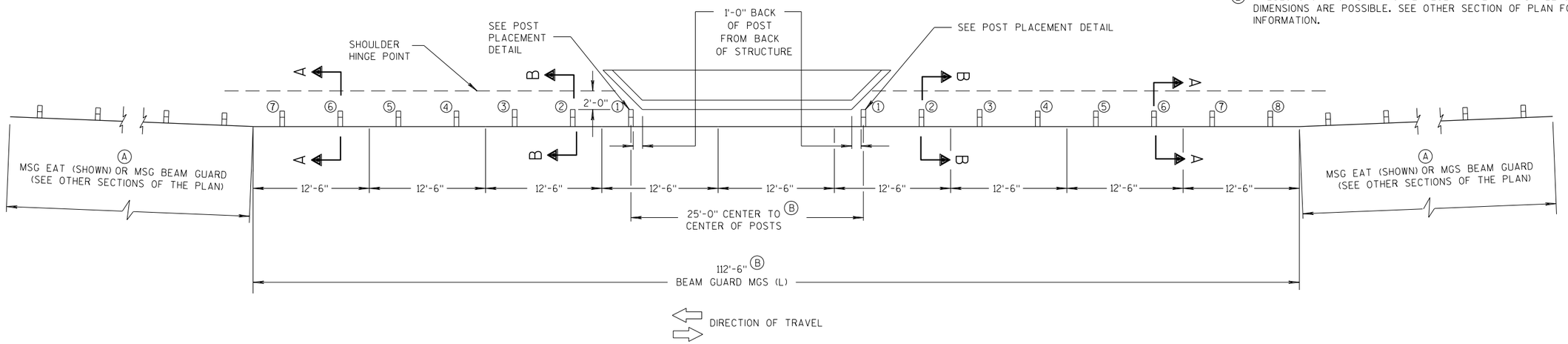
GENERAL NOTES

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

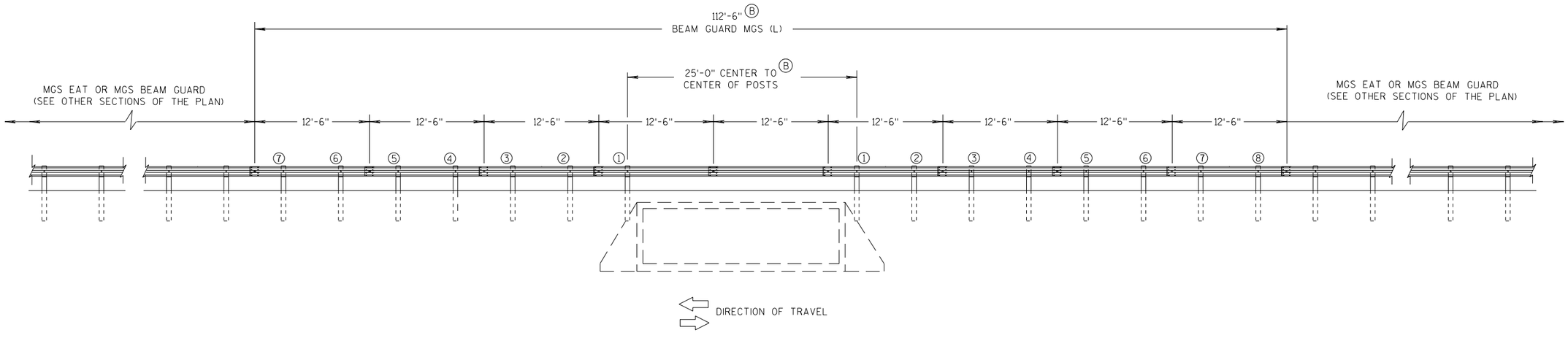
SEE SDD 14 B 42 FOR MORE DETAILS.

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

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



PLAN VIEW



ELEVATION VIEW

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

MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

S.D.D. 14 B 43-4a

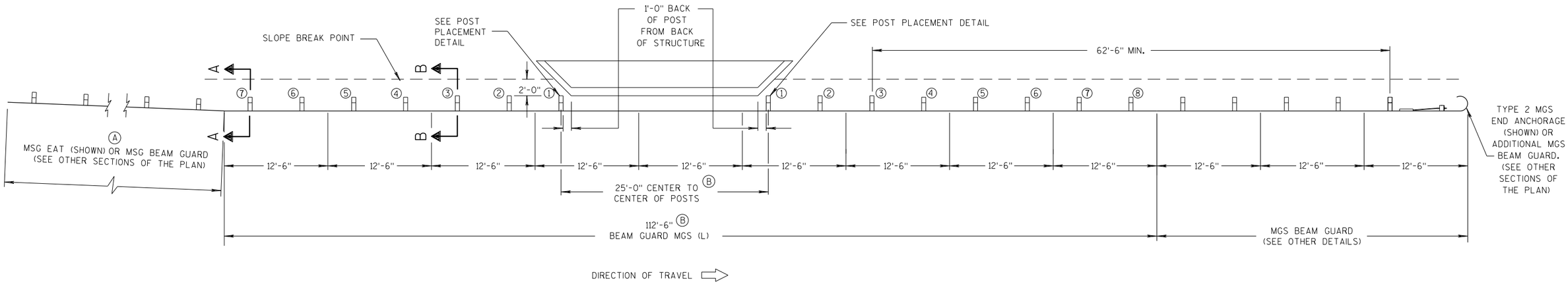
GENERAL NOTES

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

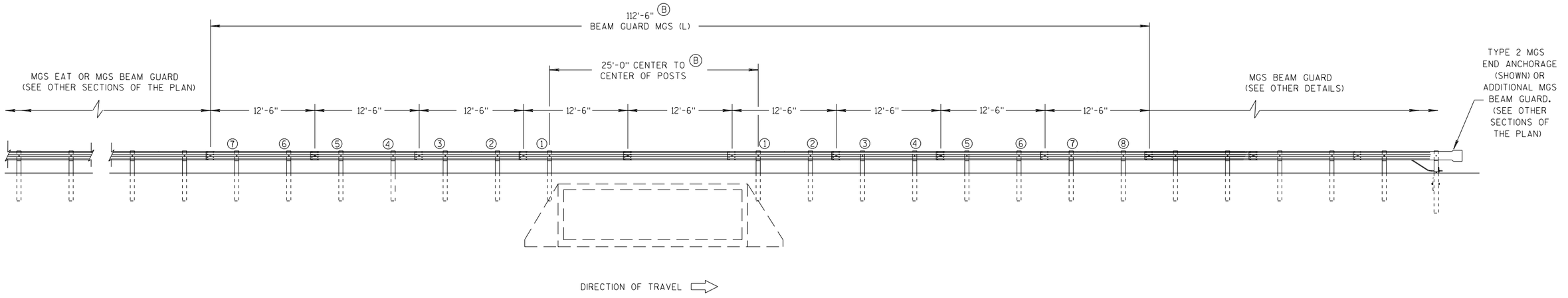
SEE SDD 14 B 42 FOR MORE DETAILS.

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

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



PLAN VIEW



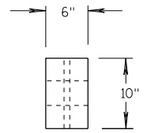
ELEVATION VIEW

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

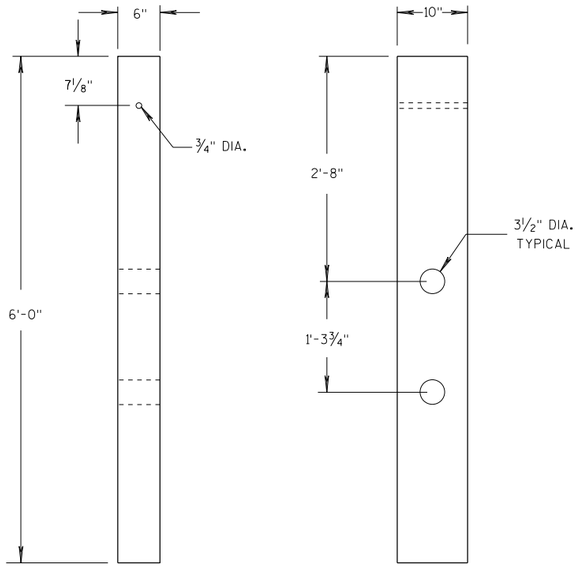
MIDWEST GUARDRAIL SYSTEM LONG SPAN MGS (L)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	133

6

S.D.D. 14 B 43-4b

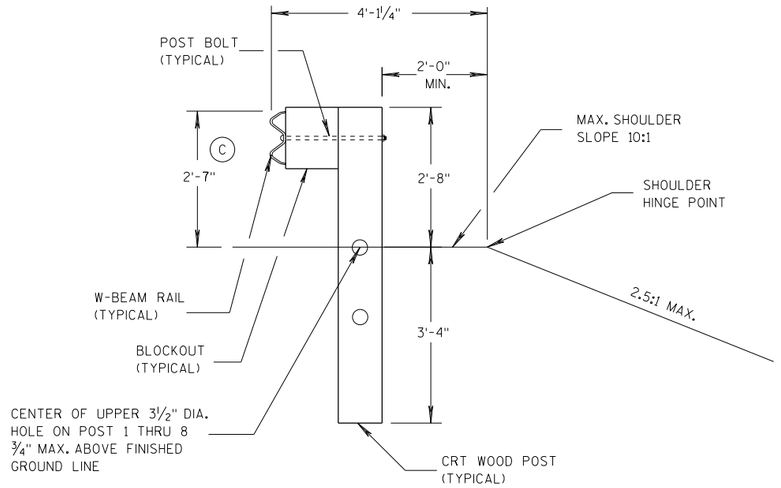


PLAN VIEW



FRONT VIEW SIDE VIEW

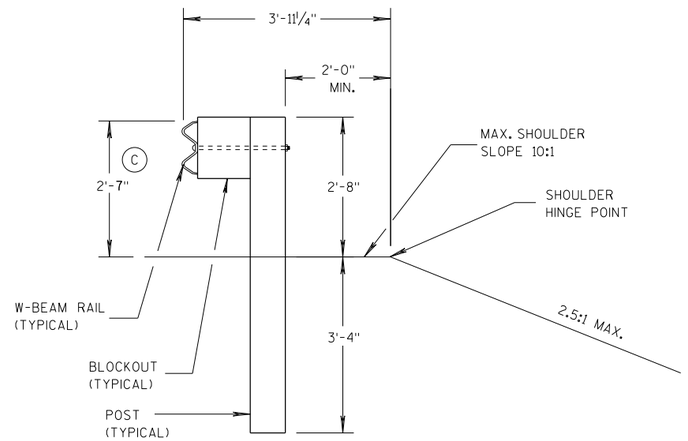
CRT WOOD POST



SECTION B-B

POSTS NO. 1-3

SEE OTHER DETAILS



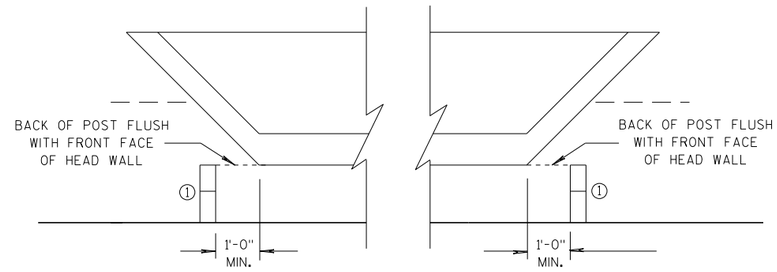
SECTION A-A

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
07/2018
DATE
FHWA

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6
S.D.D. 14 B 43-4c

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 MANUFACTURERS REQUIRE DIFFERENT PERFORATED W - BEAM RAIL END PANELS. SEE MANUFACTURER'S INFORMATION.

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

(E) HARDWARE MAY VARY BETWEEN MANUFACTURER. SEE MANUFACTURER'S DRAWING FOR INFORMATION.

DIMENSIONS MAY VARY, MANUFACTURER'S INFORMATION.

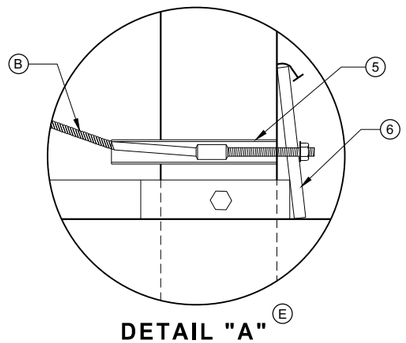
SEE SDD 14B42 FOR MORE INFORMATION.

* DO NOT ATTACH BLOCKOUTS TO POST 1 AND 2.

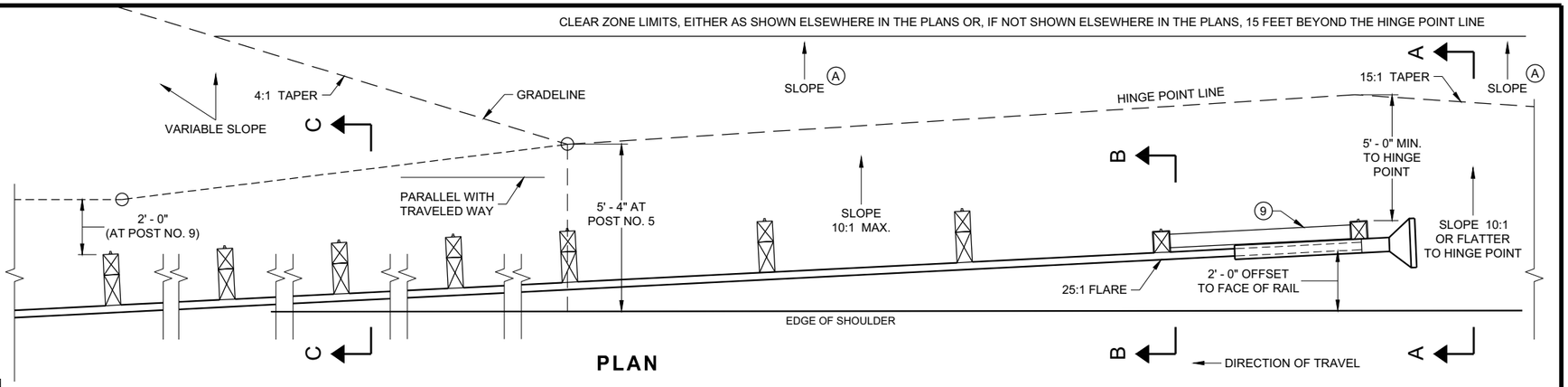
DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.

SEE MANUFACTURER'S DRAWING FOR SPLICE LOCATION, HARDWARE DIMENSIONS AND INSTALLATION INSTRUCTIONS.

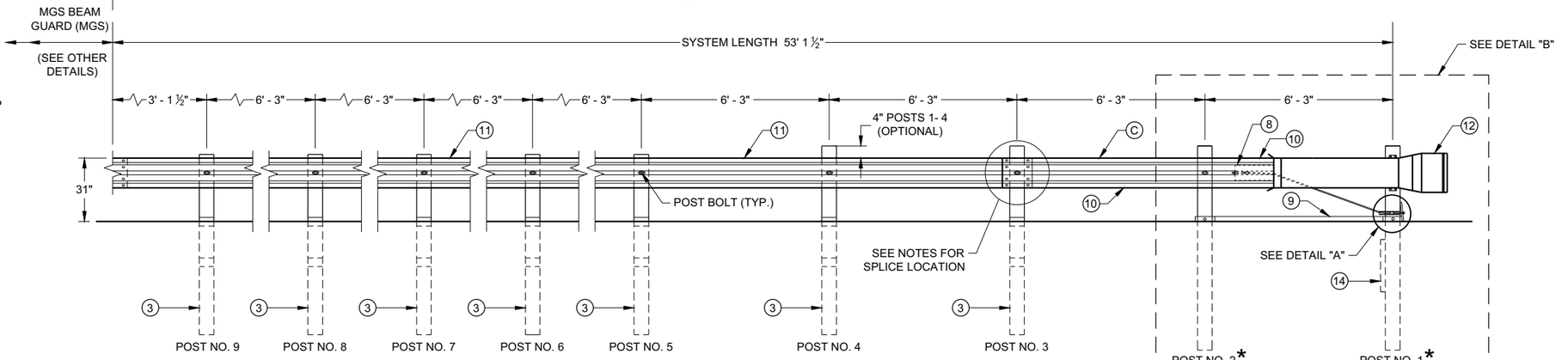
THE CENTER OF THE UPPER 3 ½" DIAMETER HOLE ON POST NUMBER 3 THROUGH POST 9 IS TO BE FLUSH WITH THE GROUND LINE UP TO A MAXIMUM OF 2" ABOVE GROUND LINE. WOOD BLOCKS ON POSTS NUMBERED 3 THROUGH 9 MAY BE ADJUSTED UP TO 3" ABOVE THE TOP OF POST.



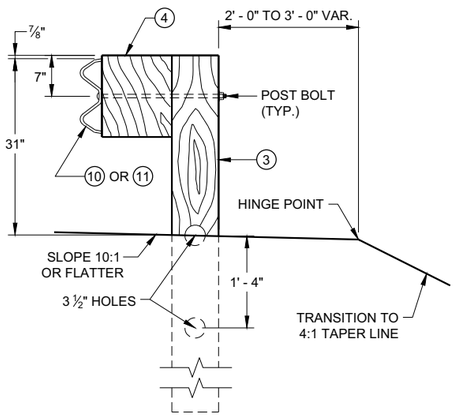
DETAIL "A" (E)



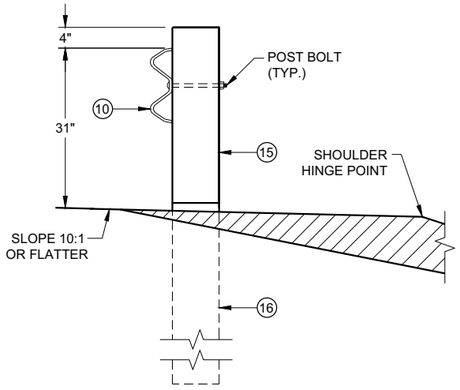
PLAN



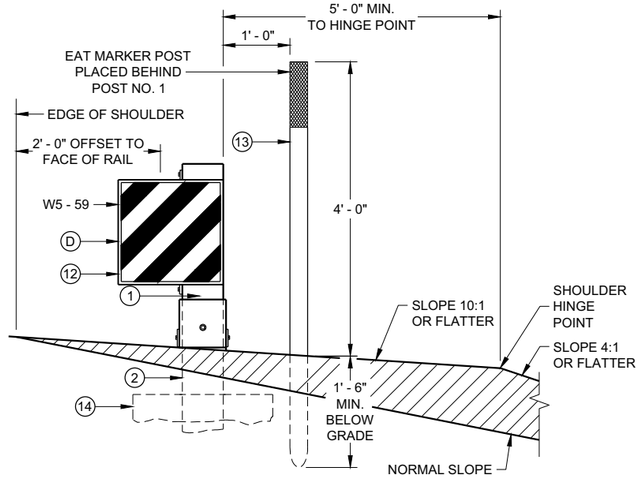
ELEVATION



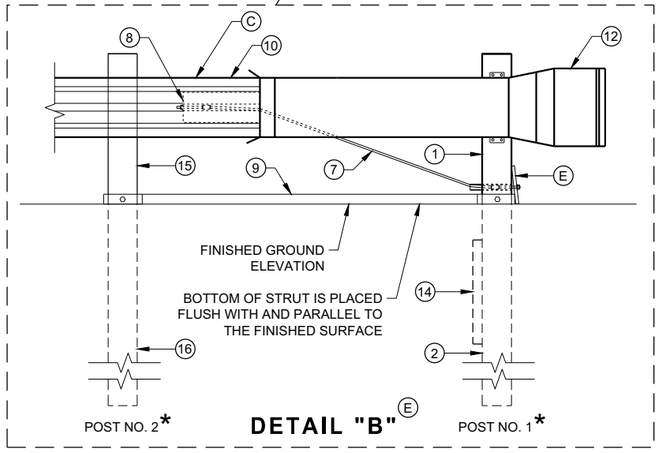
SECTION C - C
TYPICAL AT POST NOS. 3 - 9



SECTION B - B
TYPICAL AT POST NO. 2*



SECTION A - A
TYPICAL AT POST NO. 1*



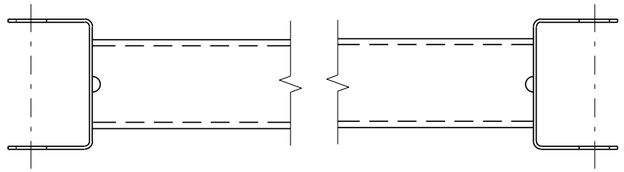
DETAIL "B" (E)

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 14B44 - 04a

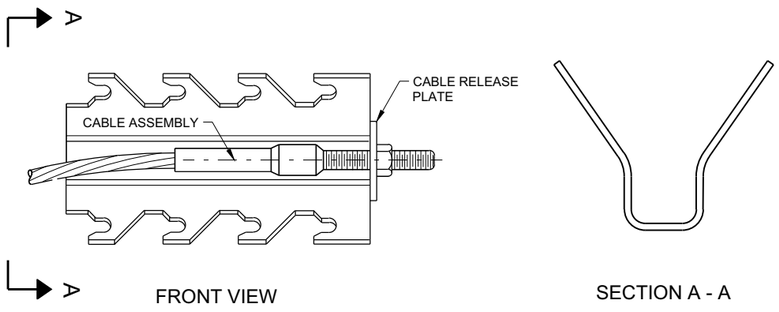
SDD 14B44 - 04a



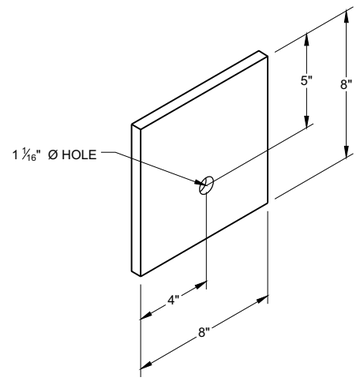
GENERIC GROUND STRUT ⑨ Ⓔ

BILL OF MATERIALS

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



GENERIC ANCHOR CABLE BOX ⑧ Ⓔ



BEARING PLATE ⑥ Ⓔ

6

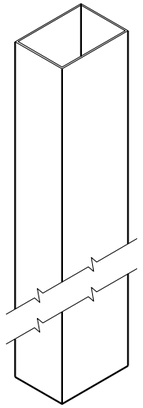
6

SDD 14B44 - 04b

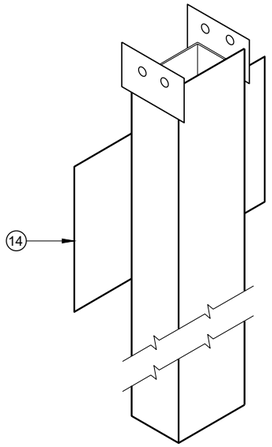
SDD 14B44 - 04b

MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)

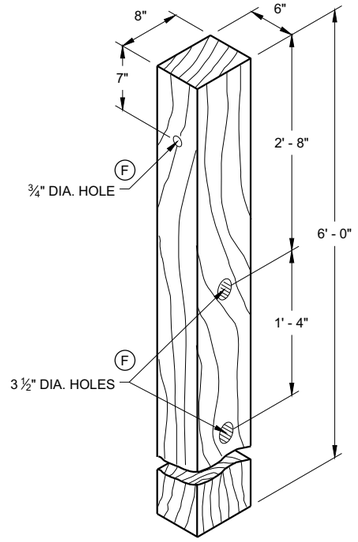
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



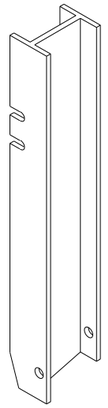
UPPER POST NO. 1 (1) (E)



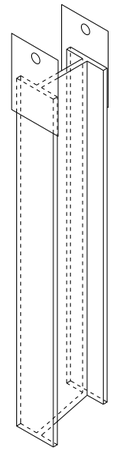
LOWER POST NO. 1 (2) (E)



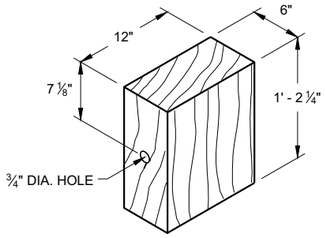
WOOD CRT POST (3) (E)
POSTS NUMBER 3-9



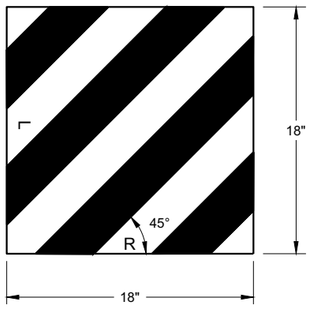
UPPER POST NO. 2 (15) (E)



LOWER POST NO. 2 (16) (E)

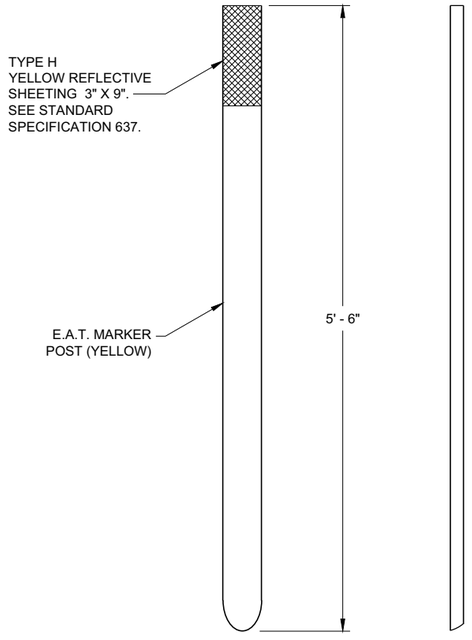


WOOD BLOCKOUT (4)
REQ'D. AT ALL POSTS EXCEPT POST NO'S 1 & 2



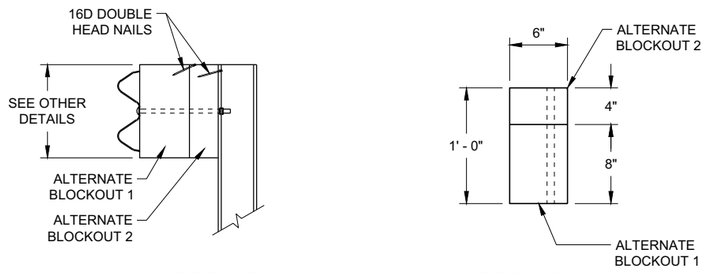
W5 - 59

REFLECTIVE SHEETING DETAIL (E)



FRONT VIEW SIDE VIEW

E.A.T. MARKER POST (13)



SIDE VIEW TOP VIEW

ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA

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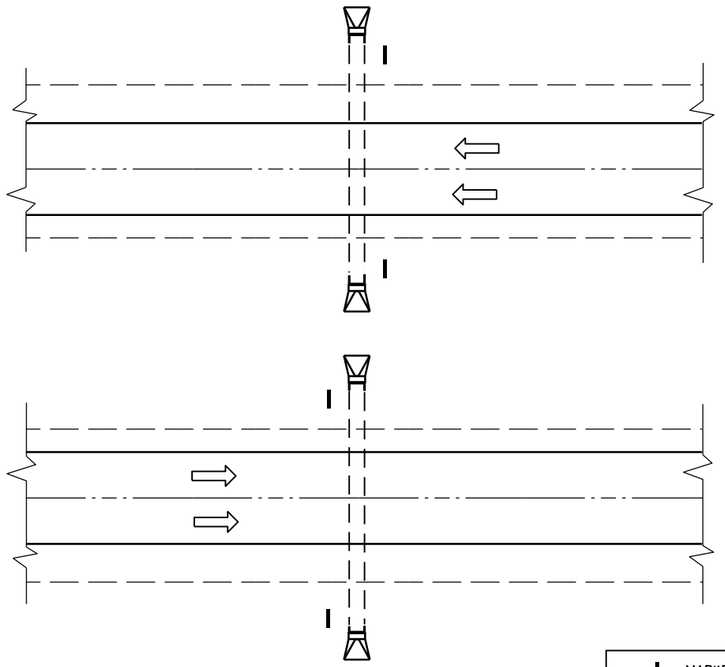
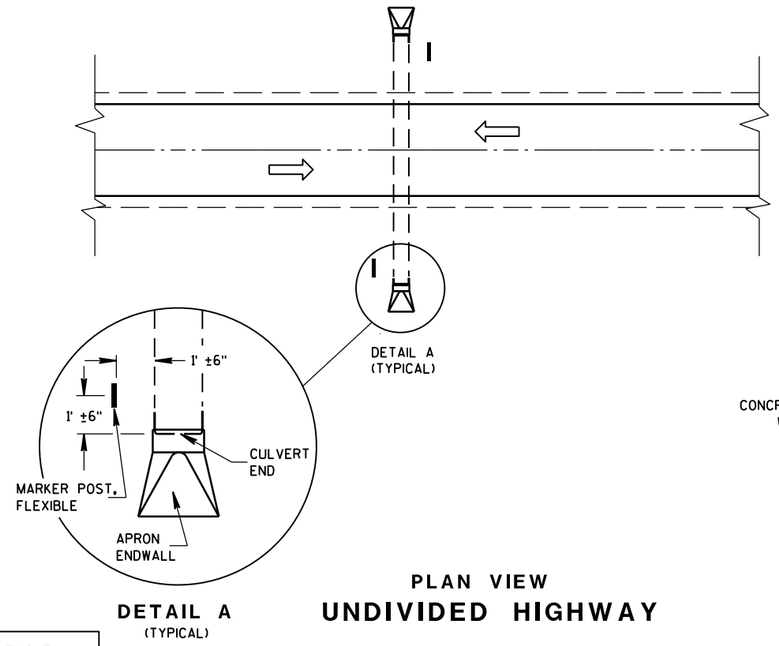
SDD 14B44 - 04c



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

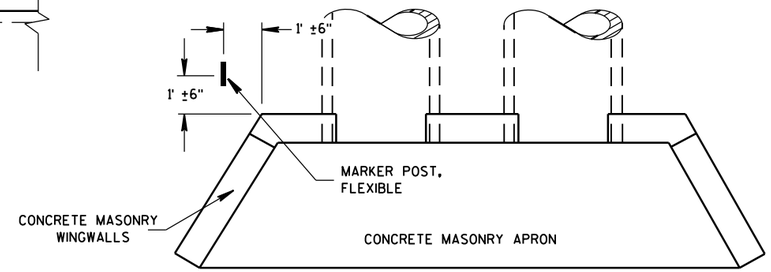
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

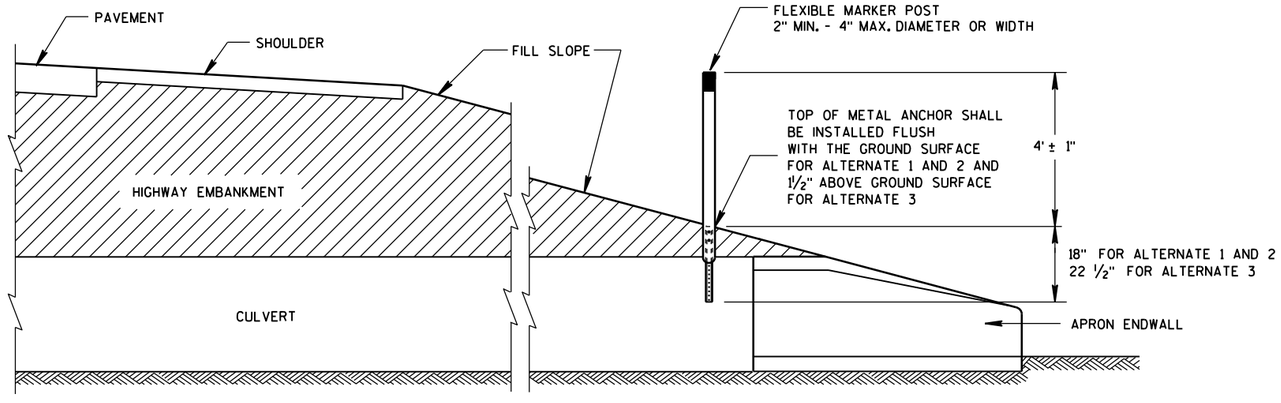
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 A 3-2a

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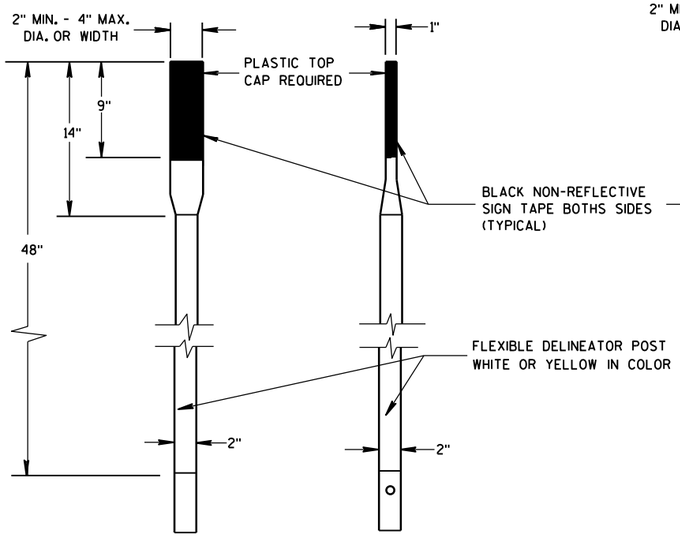
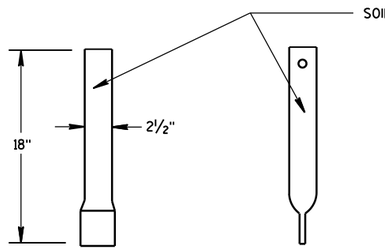
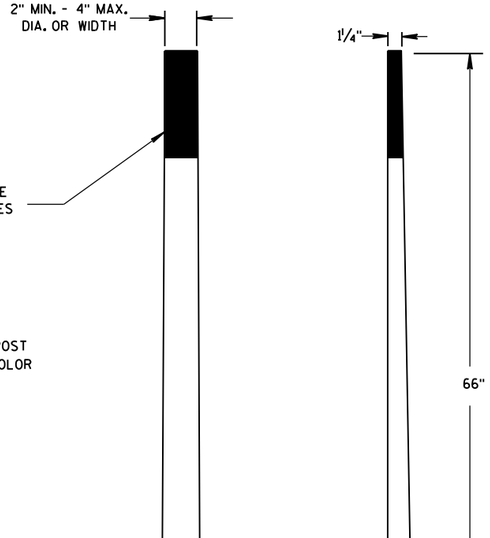
S.D.D. 15 A 3-2a





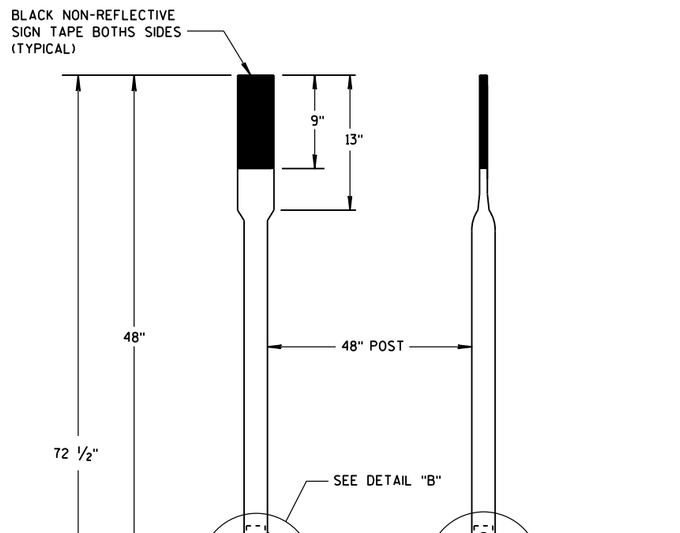
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

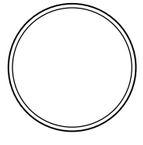
ALTERNATE 2



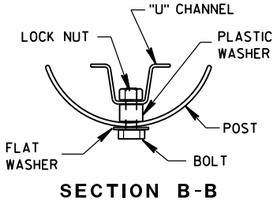
FRONT VIEW SIDE VIEW

ALTERNATE 3

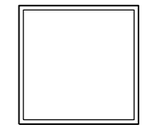
FLEXIBLE MARKER POSTS



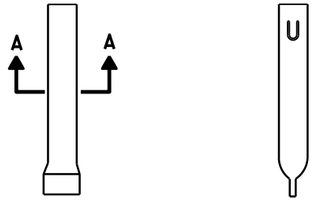
SECTION A-A



SECTION B-B

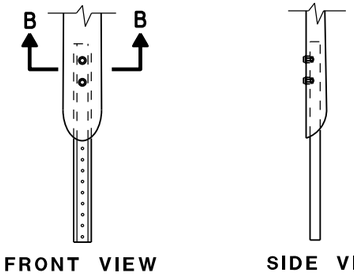


SECTION C-C



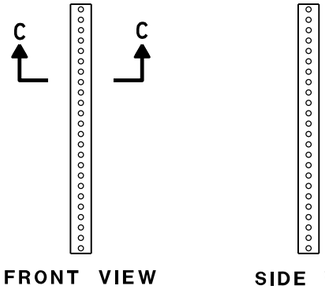
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

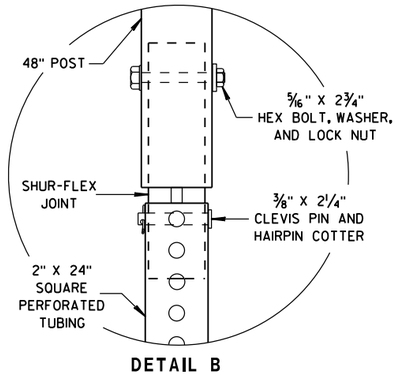
ALTERNATE 2



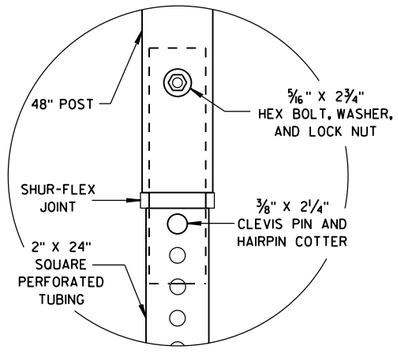
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

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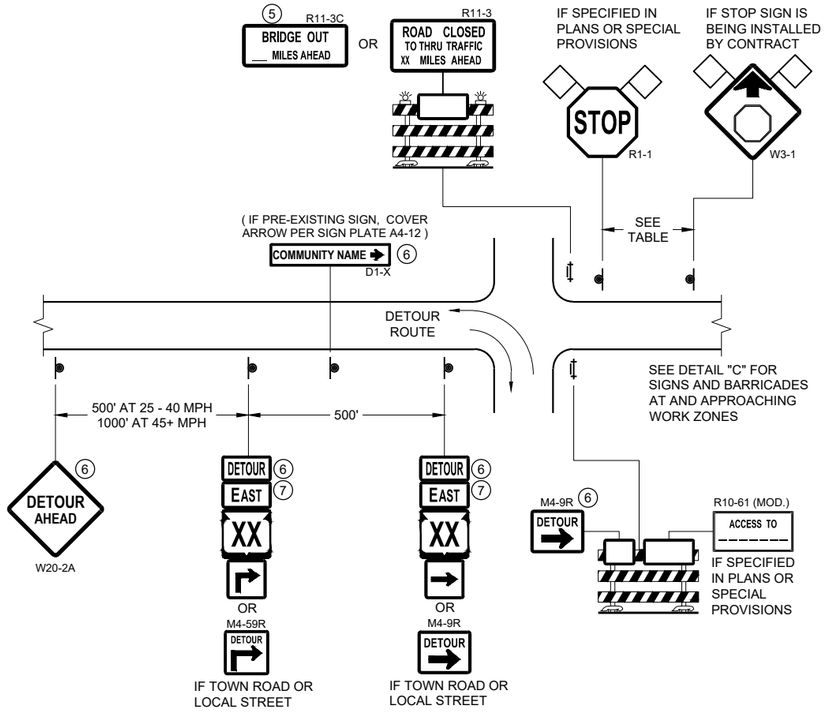
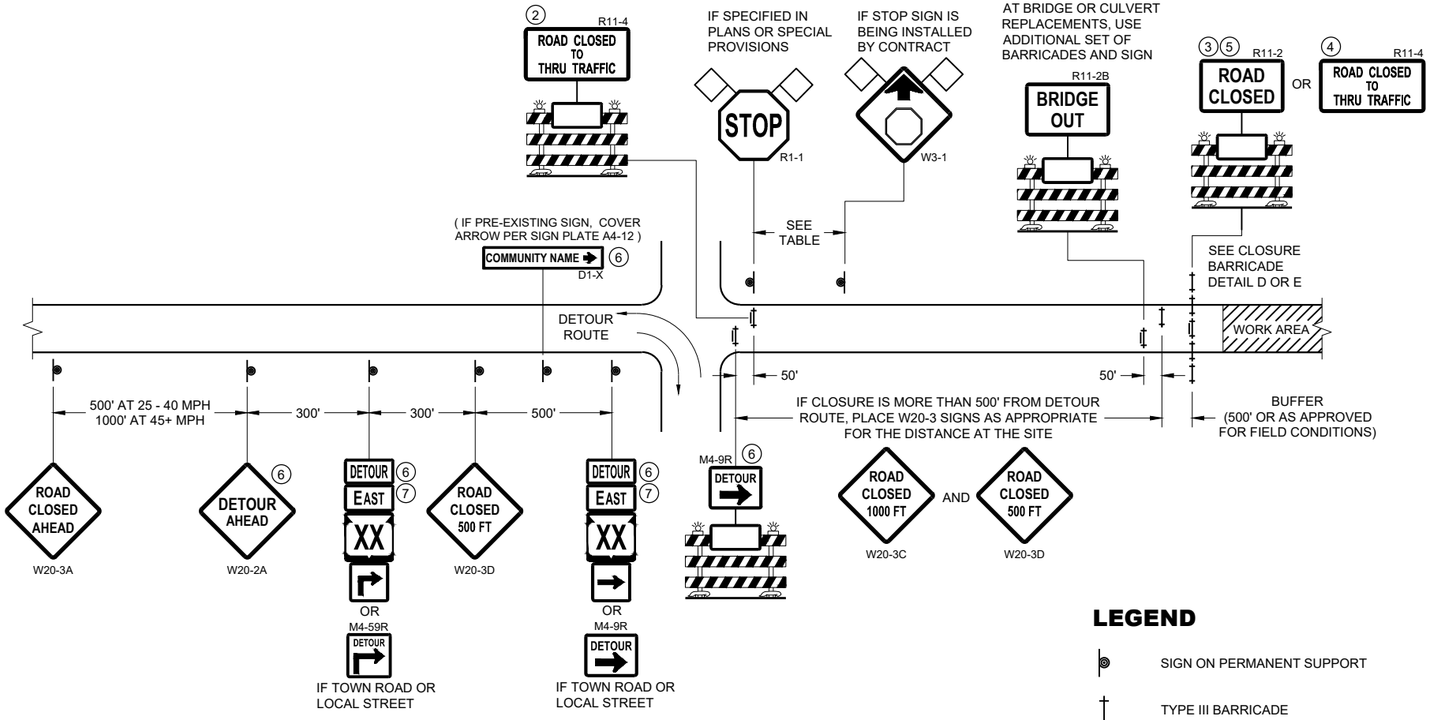
S.D.D. 15 A 3-2b



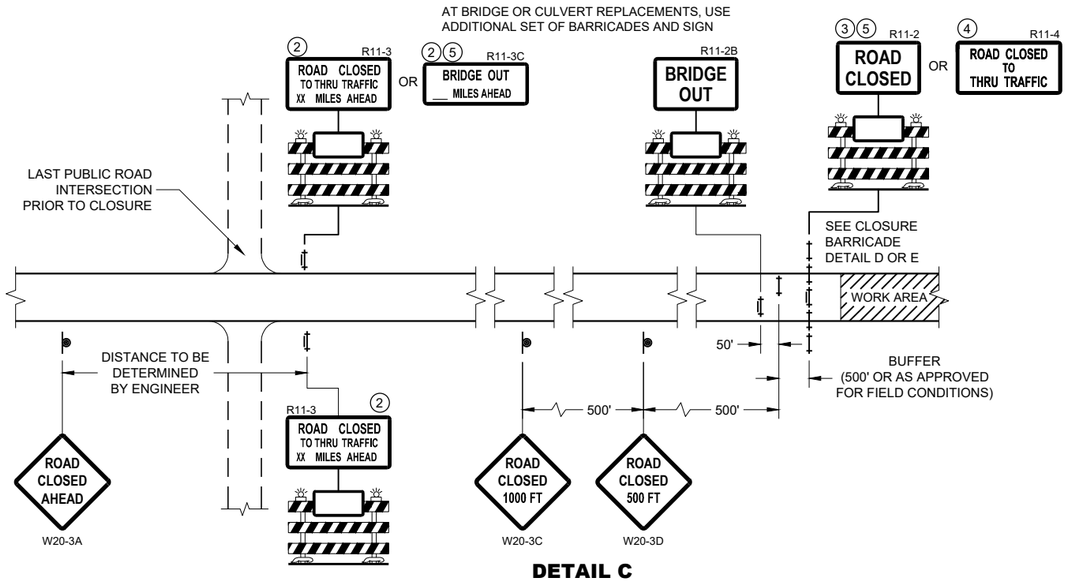
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

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

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

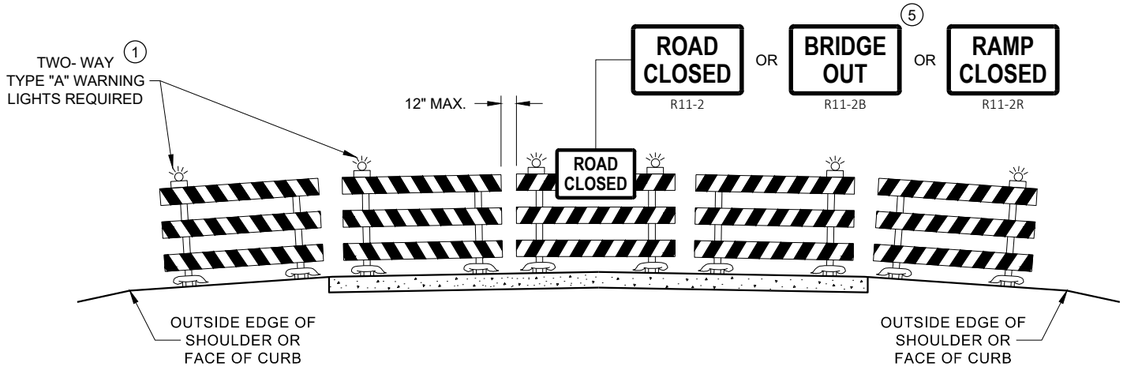
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

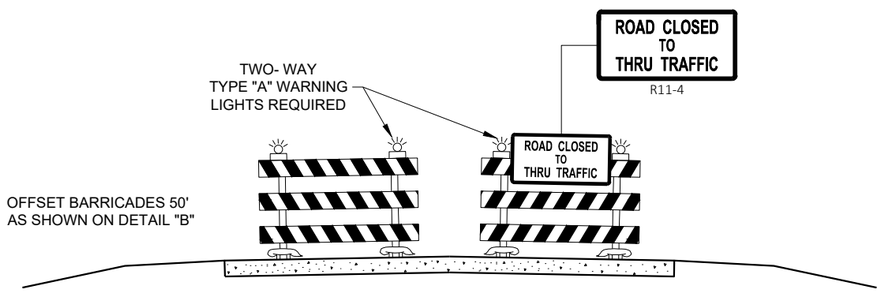
6

SDD 15C02 - 09a

SDD 15C02 - 09a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

SDD 15C02 - 09b

6

SDD 15C02 - 09b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

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.

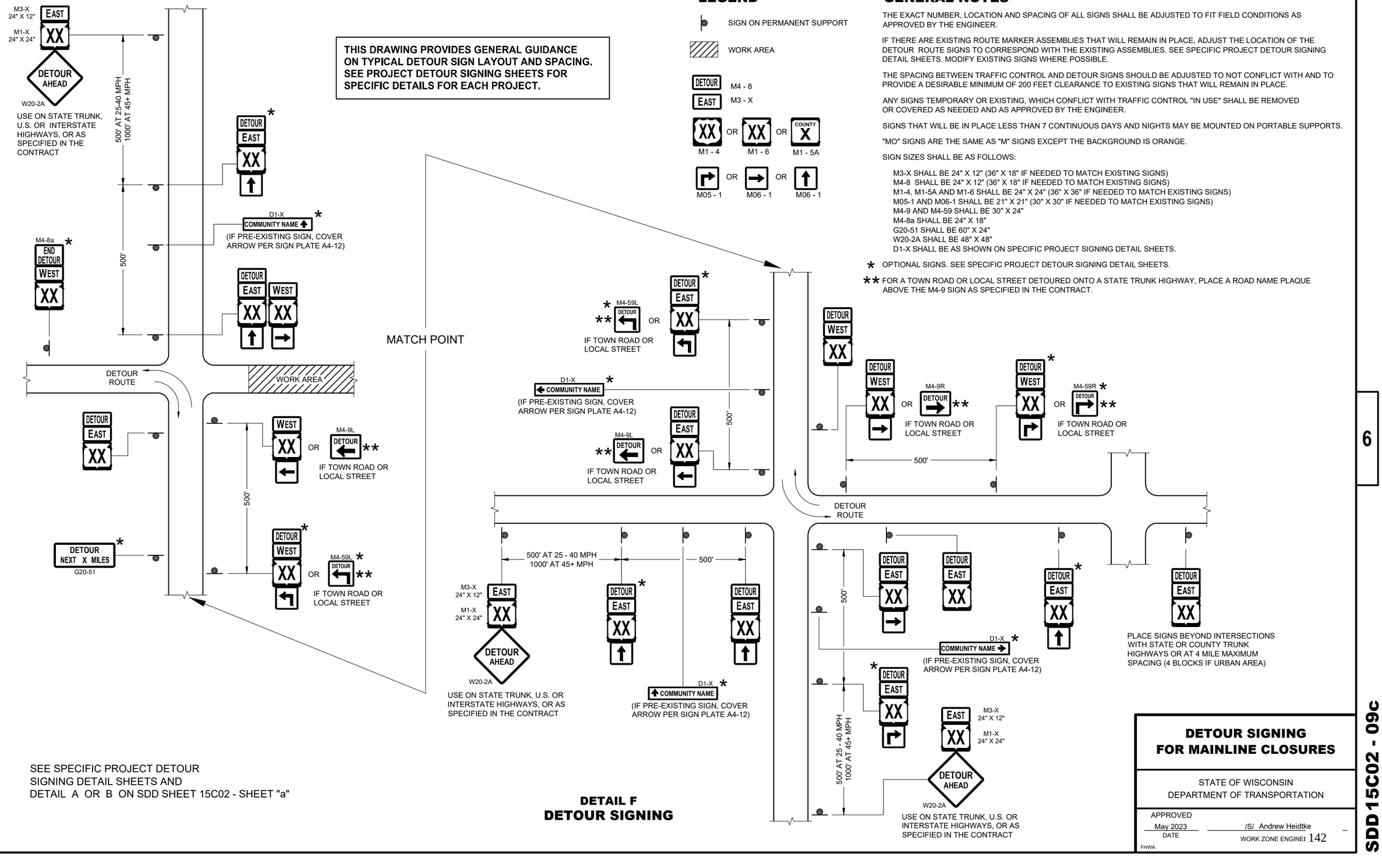
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A 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



SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C02 - 09c

GENERAL NOTES

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

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

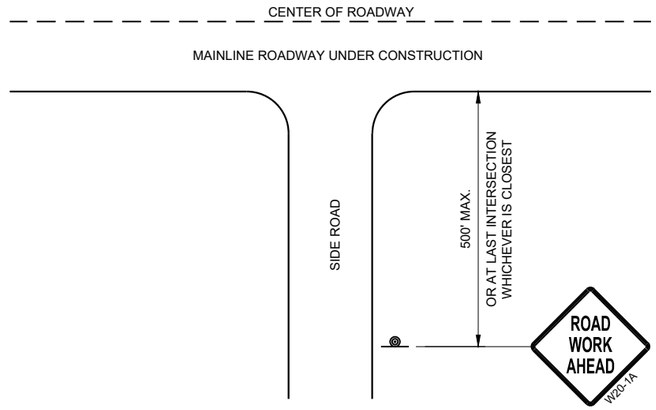
ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

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

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

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

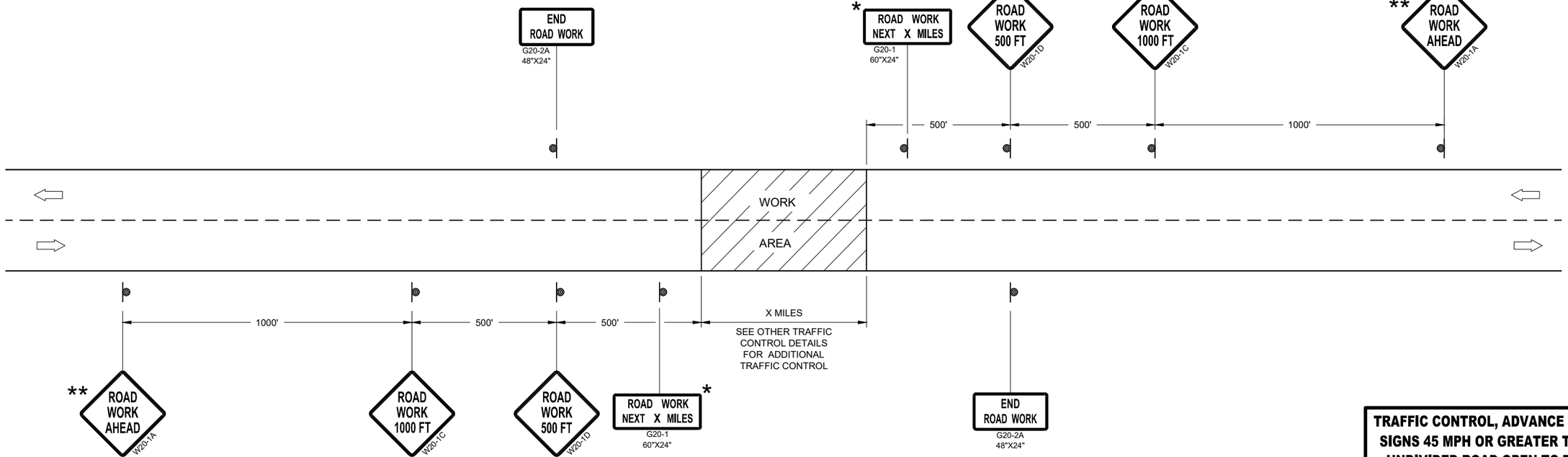
** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

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



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C04 - 05

GENERAL NOTES

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

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

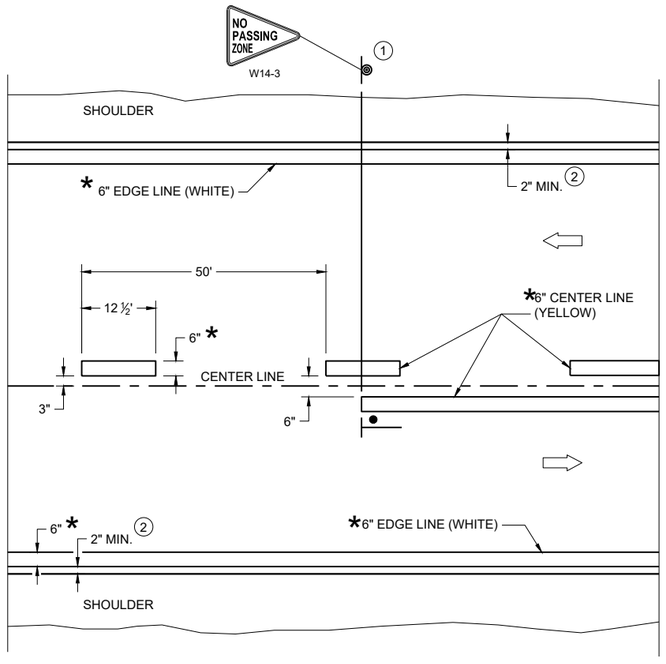
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

LEGEND

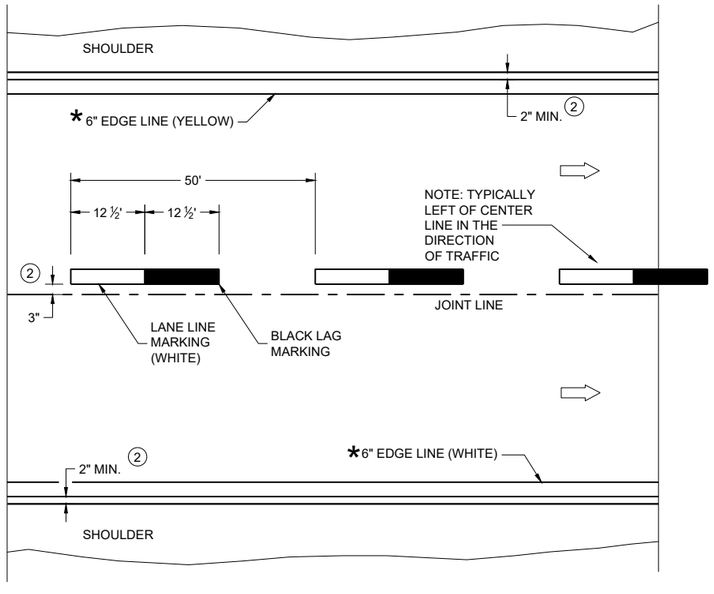
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
December 2024
DATE

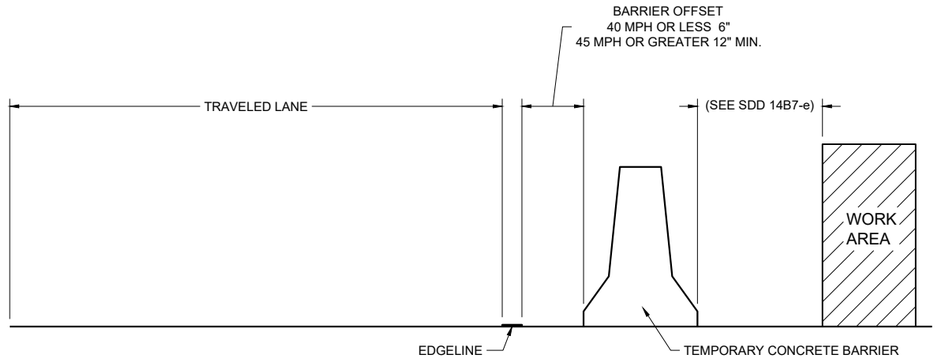
/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA

6

SDD 15C08-24a

SDD 15C08-24a



TEMPORARY BARRIER OFFSET FROM EDGELINE

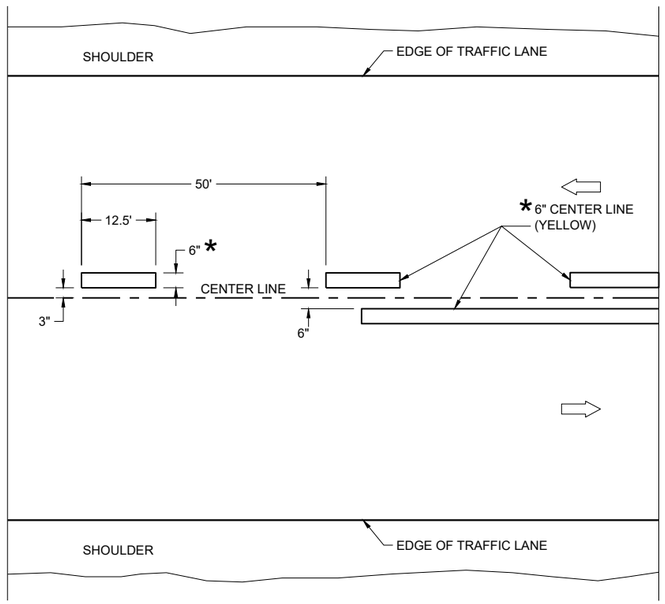
GENERAL NOTES

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

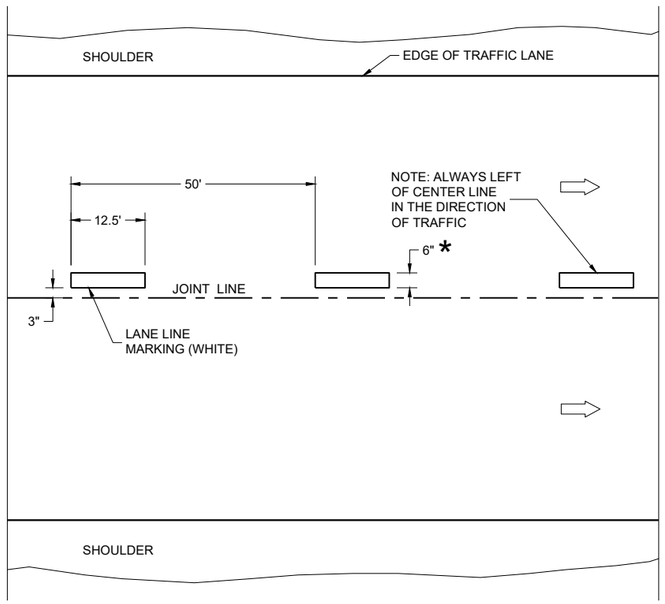
LEGEND

⇨ DIRECTION OF TRAFFIC

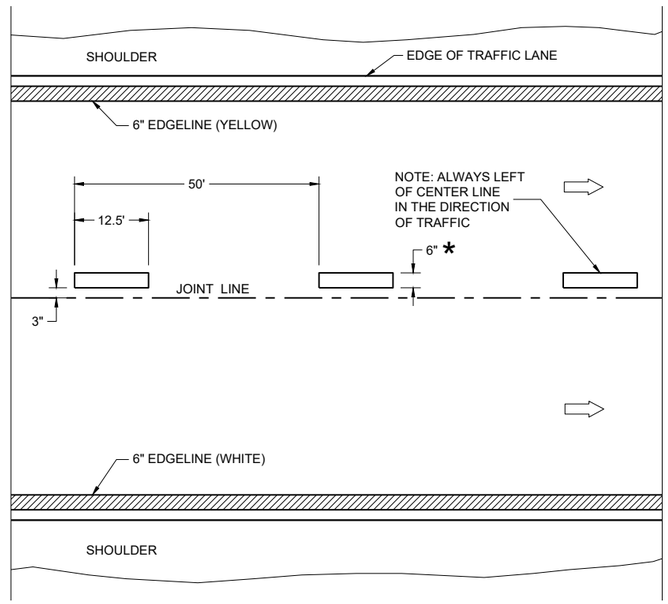
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

6

SDD 15C08-24b

6

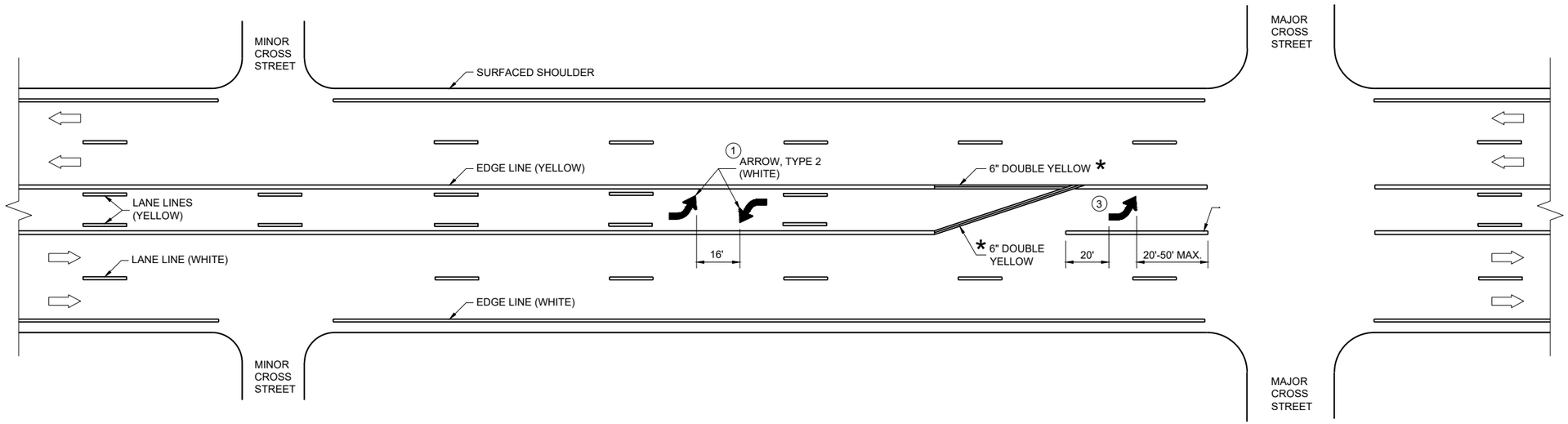
SDD 15C08-24b

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 10" WHITE
3. TURN BAY LENGTH OF LESS THAN 48' DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT.

⇨ DIRECTION OF TRAFFIC

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES



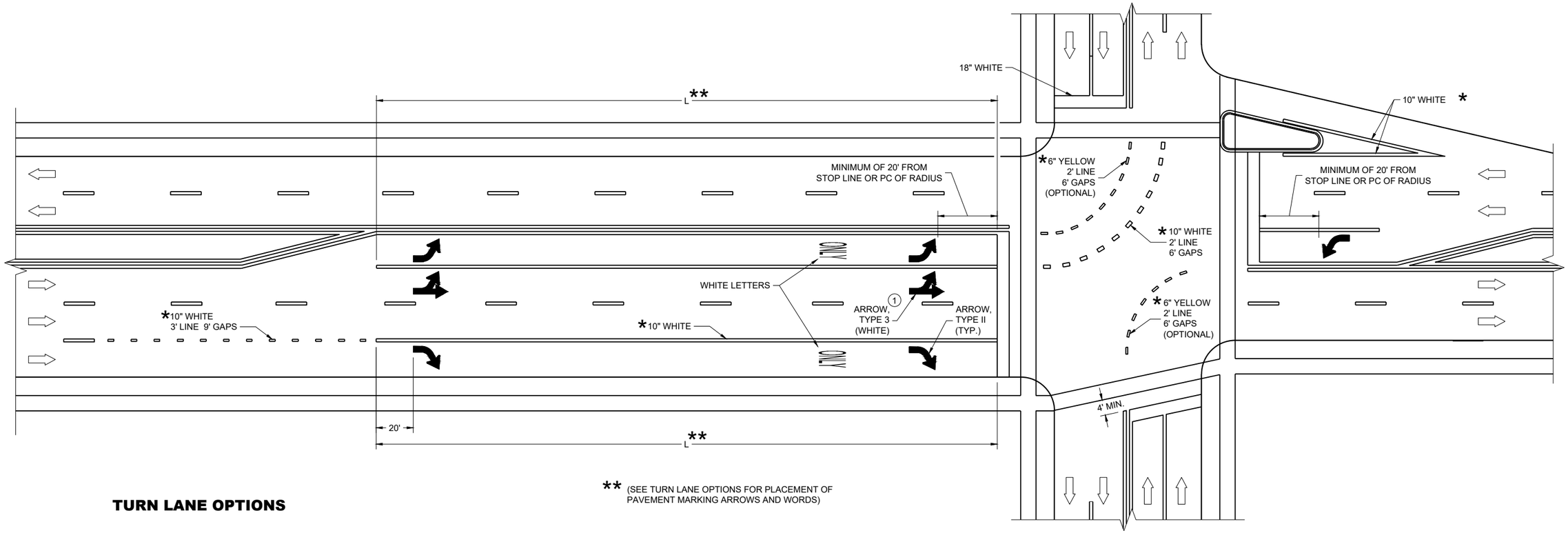
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

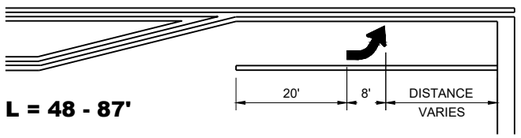
SDD 15C08-24c



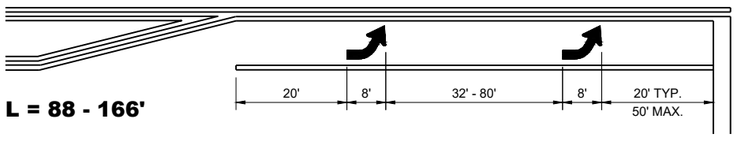
** (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

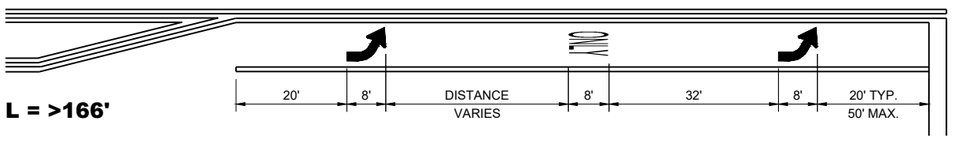
LENGTH OF TURN BAY (**L**) OF 0 - 47' DOES NOT
REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48 - 87'



L = 88 - 166'



L = >166'

GENERAL NOTES

1. QUANTITY AND LOCATION OF TYPE 3 ARROWS ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION IN THE SAME DIRECTION OF TRAVEL, THE ARROWS AND "ONLY" MARKING MAY BE ELIMINATED.

DIRECTION OF TRAFFIC

L = LENGTH OF TURN BAY

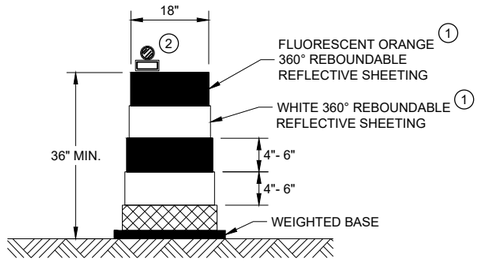
*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

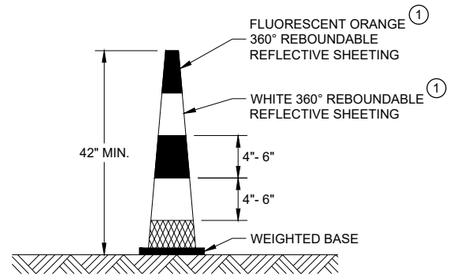
GENERAL NOTES

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



DRUM

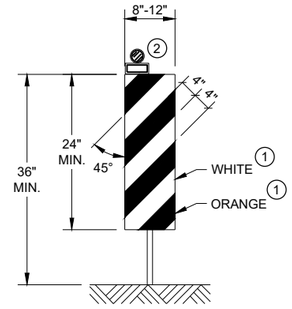
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

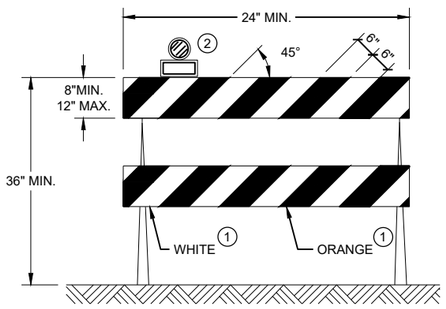
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



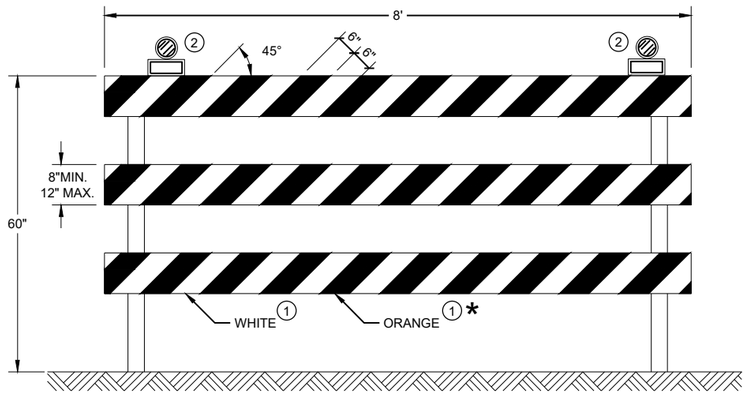
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C11 - 10b

6

SDD 15C11 - 10b

LEGEND

SIGN ON PORTABLE OR PERMANENT SUPPORT

TEMPORARY PORTABLE RUMBLE STRIP ARRAY

DIRECTION OF TRAFFIC

WORK AREA

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

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

(1) FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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

TEMPORARY PORTABLE RUMBLE STRIPS

UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

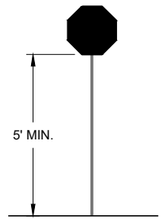
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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

INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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



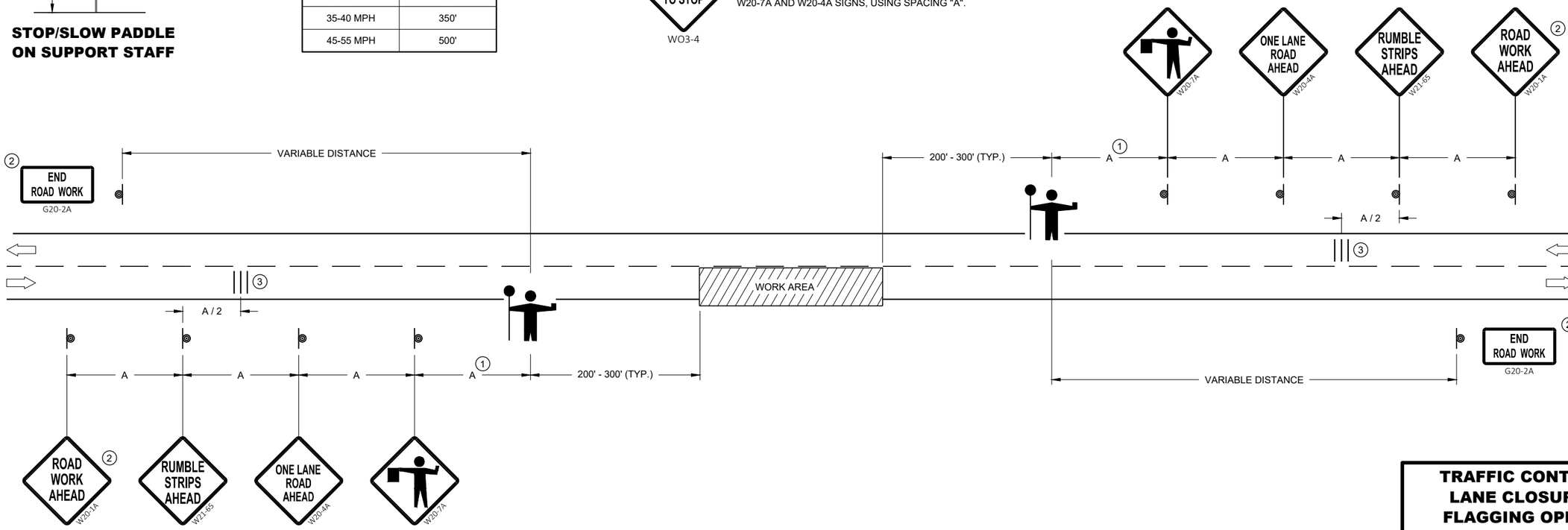
STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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

WO3-4

USE OF WO3-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C12 - 09a

6

SDD 15C12 - 09a

GENERAL NOTES

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

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

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

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

(1) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

(2) IF FLAGGERS ARE PHYSICALLY NEEDED TO FLAG, REPLACE WO3-4 SIGNS WITH W20-7A SIGNS.

TEMPORARY PORTABLE RUMBLE STRIPS

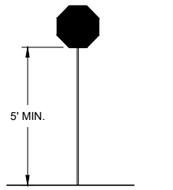
UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.

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

PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.

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

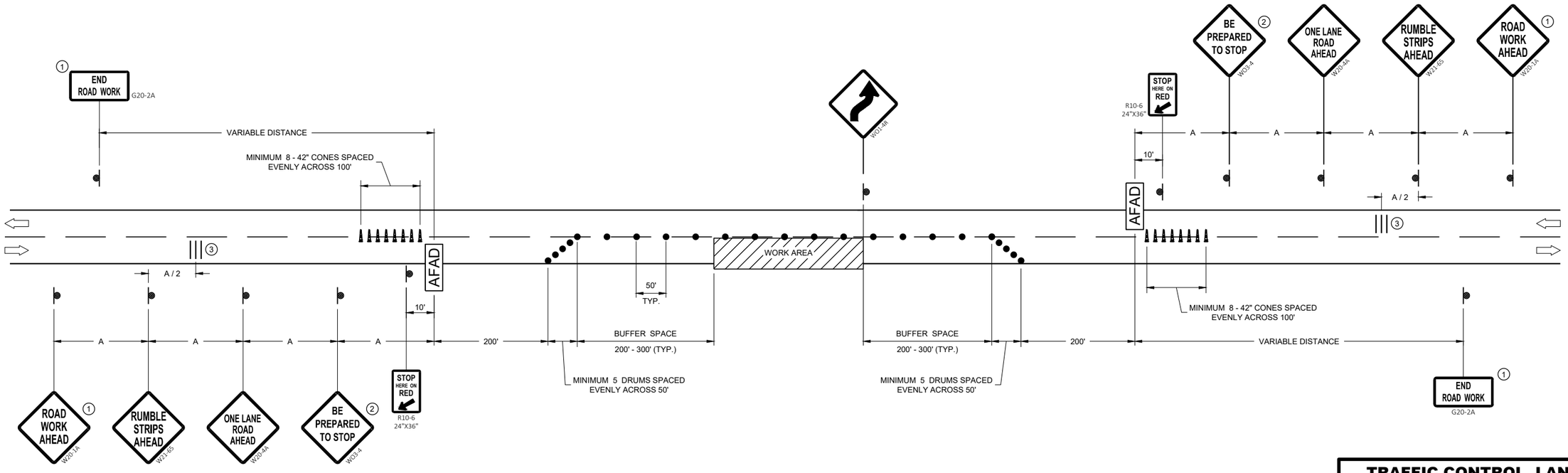
(3) EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSELY AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER.



STOP/SLOW PADDLE ON SUPPORT STAFF

SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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



TRAFFIC CONTROL, LANE CLOSURE WITH AUTOMATED FLAGGER ASSISTANCE DEVICE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

SDD 15C12 - 09b

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SDD 15C12 - 09b

LEGEND

V1 LEAD VEHICLE

V2 MARKING VEHICLE

V3 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC

GENERAL NOTES

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

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

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

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

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

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

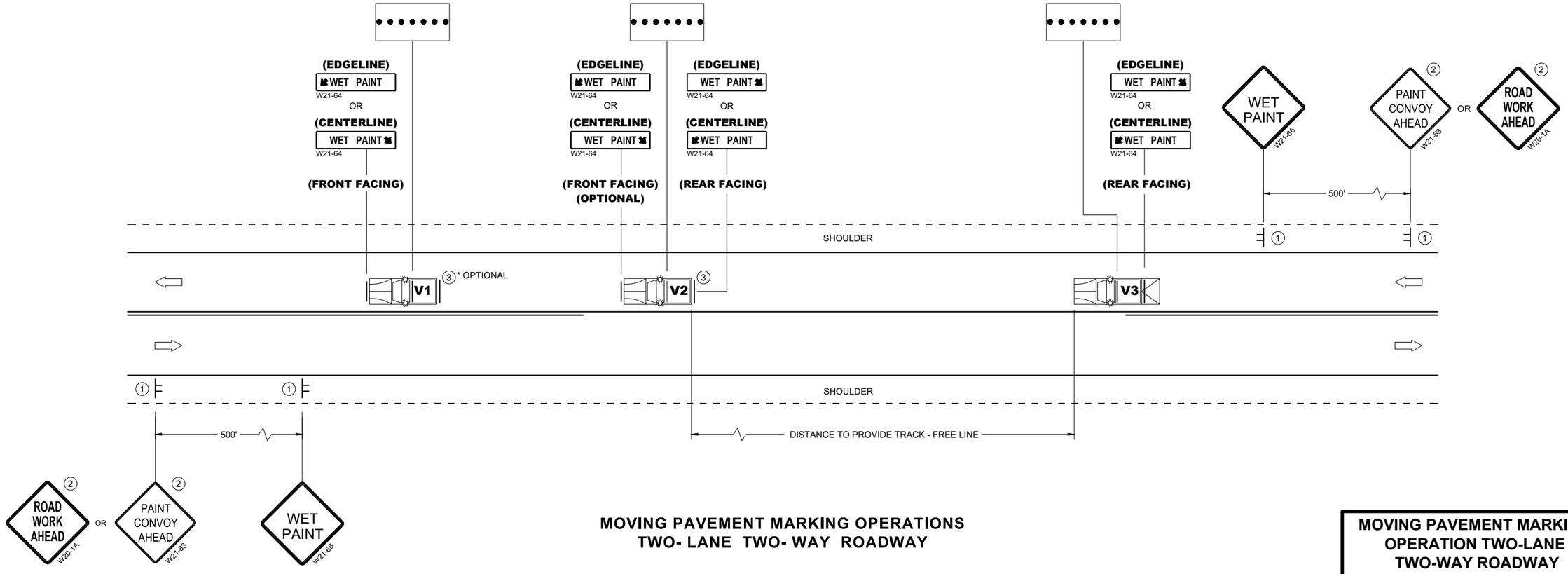
CONES SHOULD BE USED BETWEEN THE MARKING AND SHADOW VEHICLE AT 100 FOOT SPACING. CONES MAY BE OMITTED ON PAINTED LINE IF APPROVED BY THE ENGINEER. CONSIDER PAVEMENT MARKING DRY OR CURE TIMES AND TRAFFIC VOLUME.

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

(1) SIGNS SHALL BE REPEATED APPROXIMATELY EVERY THREE MILES AND AFTER EVERY MAJOR INTERSECTION.

(2) IF CONSTRUCTION WORK ZONE SIGNS ARE IN PLACE, W20-1A OR W21-63 ARE NOT REQUIRED.

(3) V1 AND V2 CAN BE SWITCHED SO THAT THE MARKER IS THE LEAD VEHICLE.



MOVING PAVEMENT MARKING OPERATIONS
TWO- LANE TWO- WAY ROADWAY

MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
FEBRUARY 2025 — DATE
/S/ Andrew Heidtke — STATE ELECTRICAL ENGINEER

FHWA

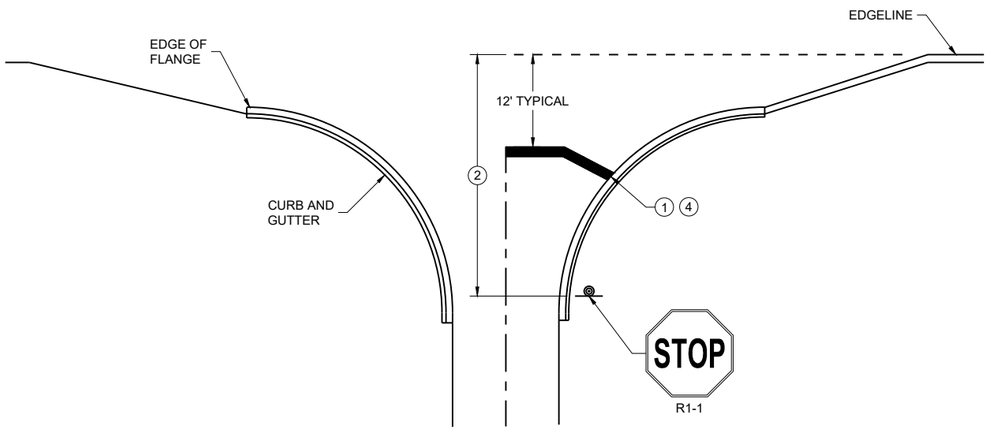
6

SDD 15C19-10a

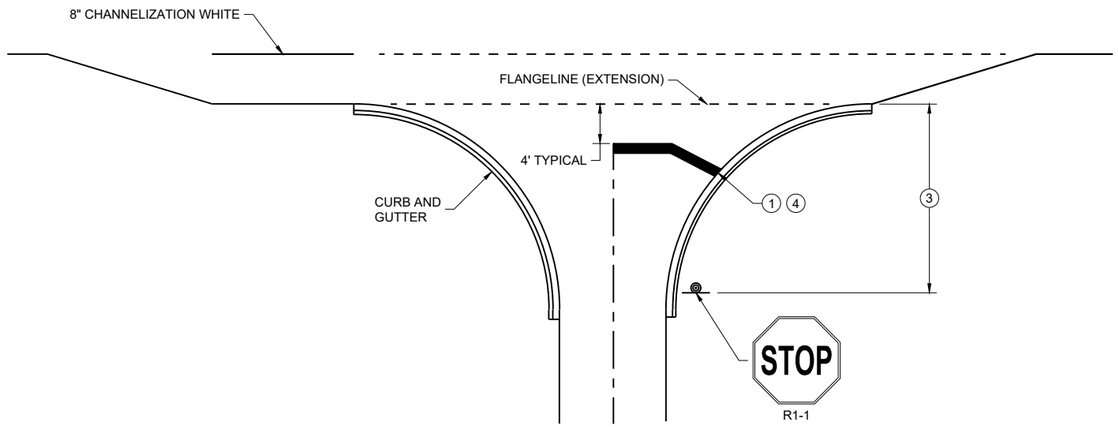
GENERAL NOTES

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

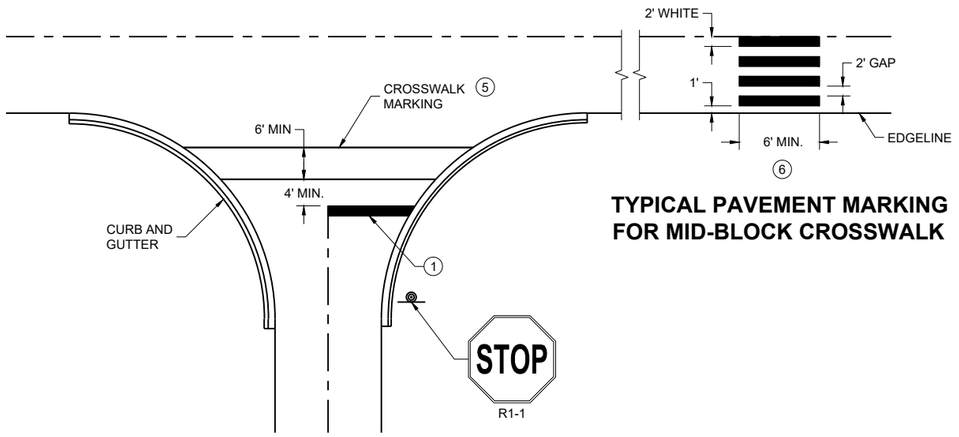
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE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



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

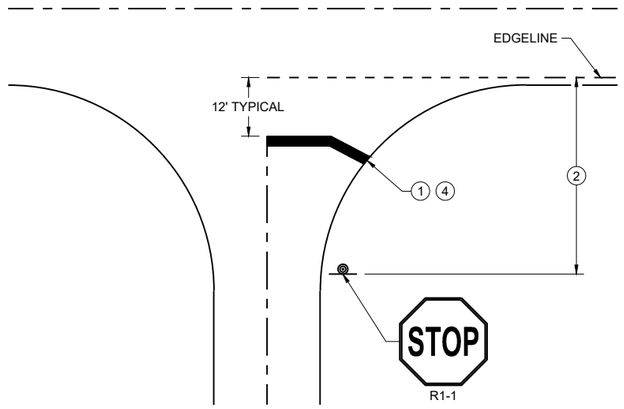


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

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SDD 15C33-05

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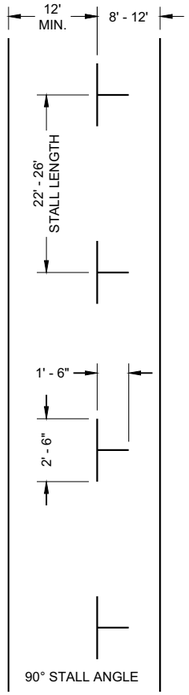
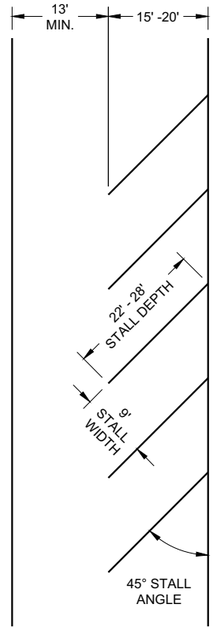
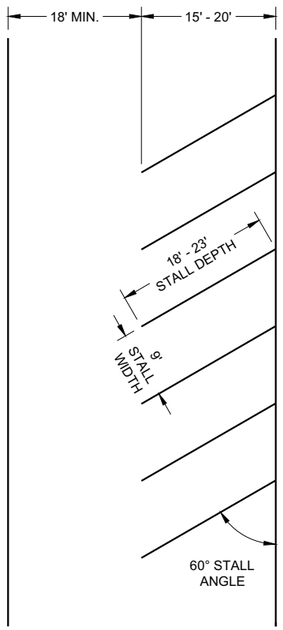
SDD 15C33-05



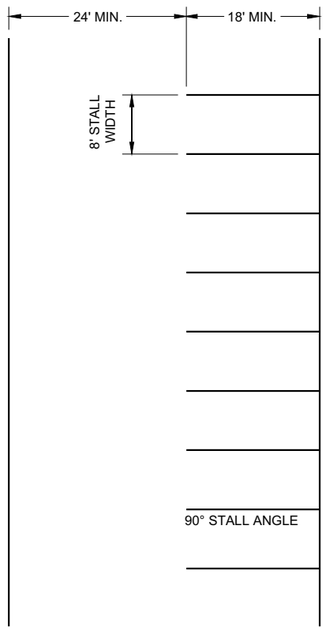
PARALLEL PARKING





ANGLED PARKING

(ANGLED PARKING IS NOT ALLOWED ON STATE HIGHWAYS UNLESS A DESIGN JUSTIFICATION HAS BEEN COMPLETED.)



PARKING LOTS

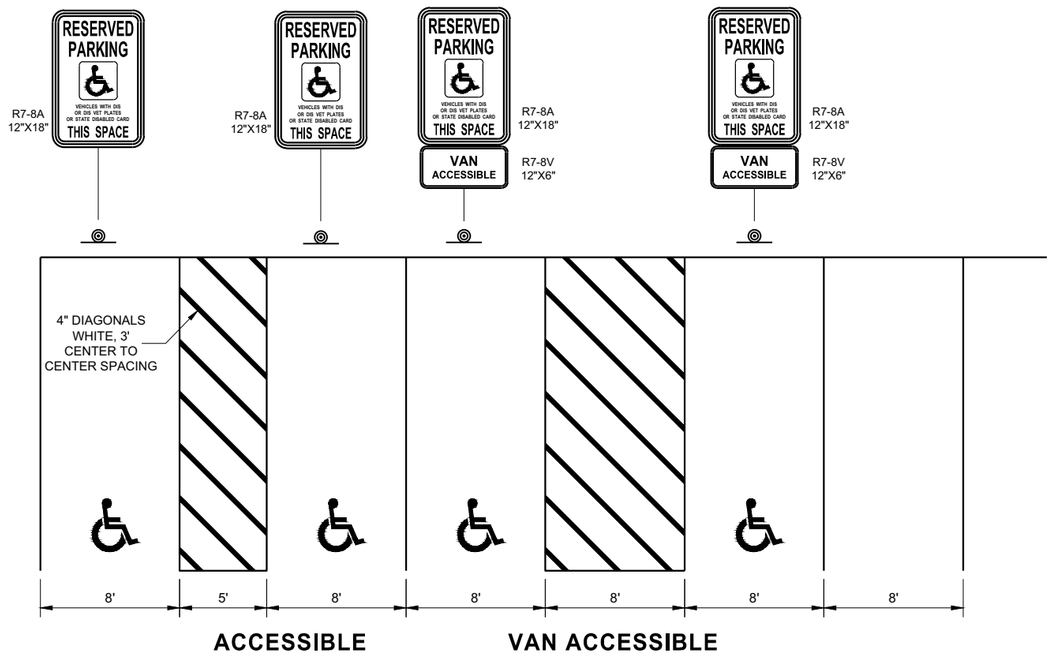
GENERAL NOTES

ALL LINES 4" WHITE (UNLESS OTHERWISE NOTED)

LAST PARKING STALL IS A MINIMUM OF 15' FROM THE CROSSWALK.

LEGEND

SIGN ON PERMANENT SUPPORT



PARKING STALL MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MAF ENGINEER

FHWA

6

SDD 15C36 - 01
SDD 15C36 - 01

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

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

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

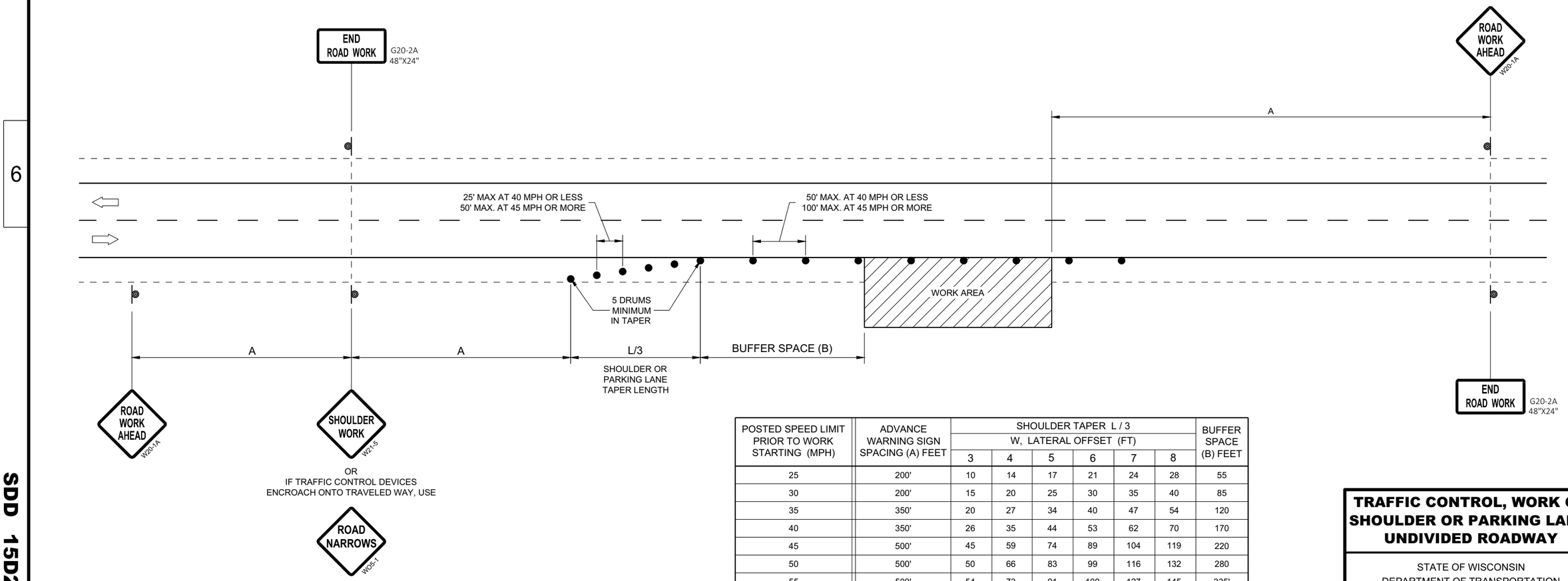
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

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

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

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



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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

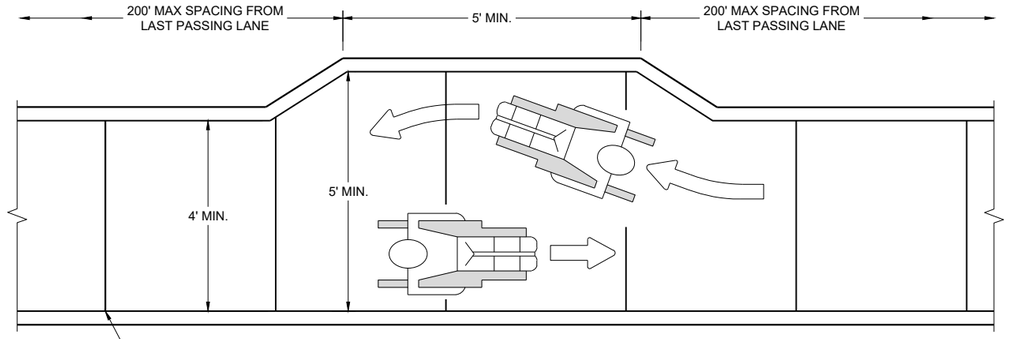
APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T
SAFETY ENGINEER

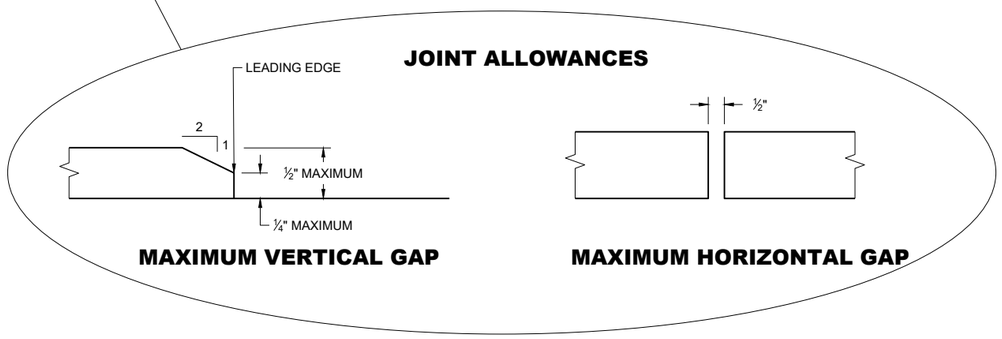
FHWA

SDD 15D28 - 04

SDD 15D28 - 04



NARROW SIDEWALK PASSING DETAIL



MAXIMUM VERTICAL GAP

MAXIMUM HORIZONTAL GAP

GENERAL NOTES

BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

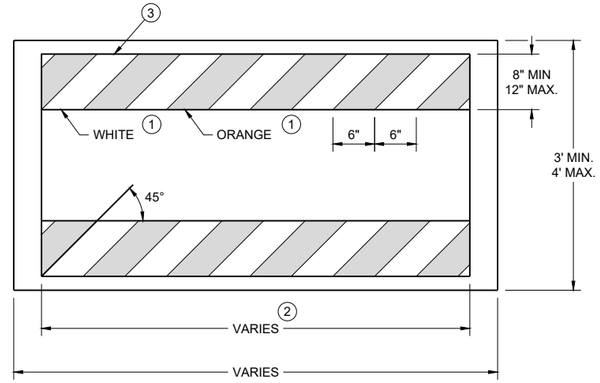
(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

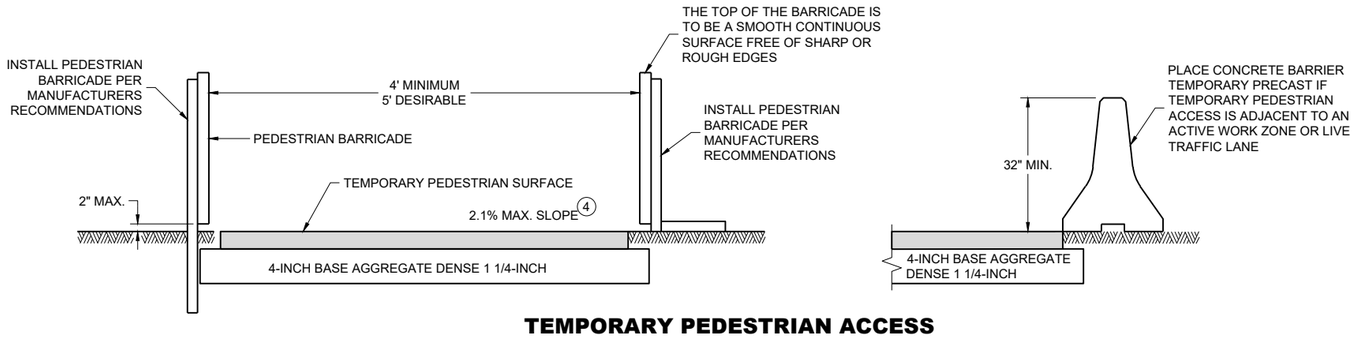
(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.

(4) WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



TEMPORARY PEDESTRIAN BARRICADE *

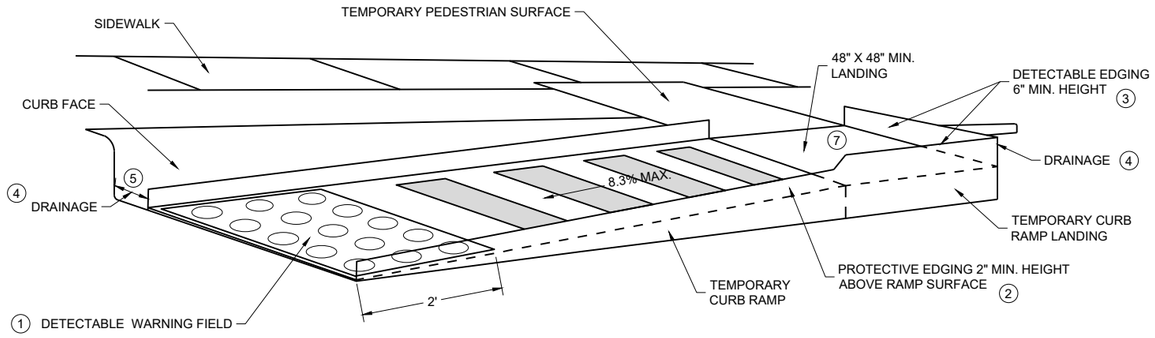


TEMPORARY PEDESTRIAN ACCESS

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11a



PERSPECTIVE VIEW

GENERAL NOTES

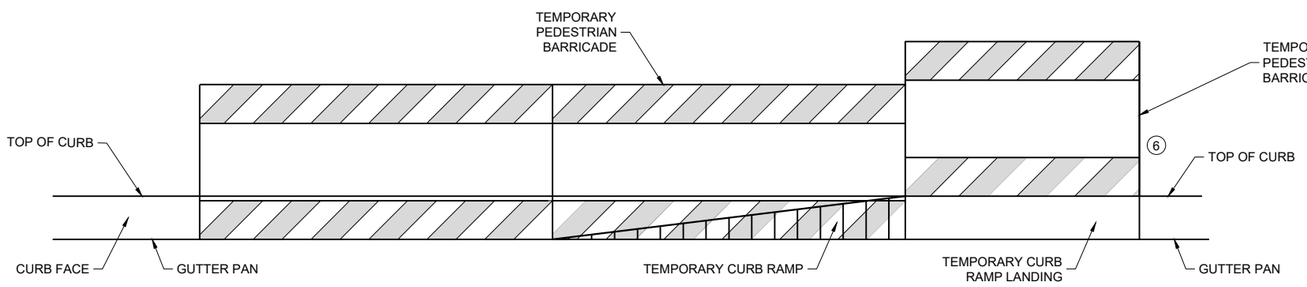
CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

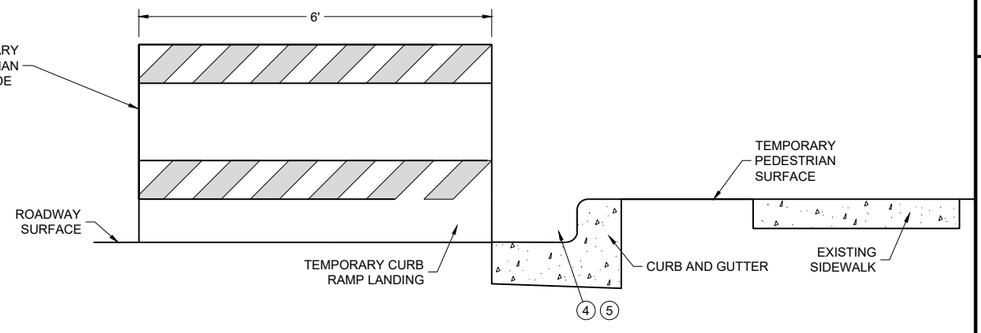
CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

1. INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.
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. DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
5. ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.
6. IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.
7. LANDING TO BE SLOPED A MAXIMUM OF 2.1% IN ALL DIRECTIONS OF PEDESTRIAN TRAVEL.



FRONT VIEW



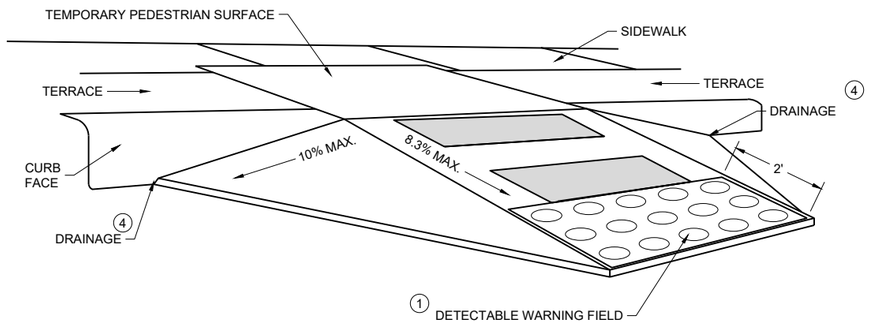
SIDE VIEW

TEMPORARY CURB RAMP PARALLEL TO CURB

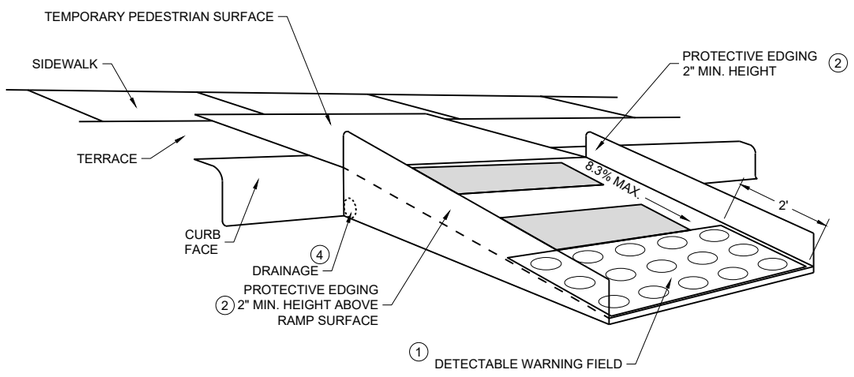
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6
SDD 15D30-11b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(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) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

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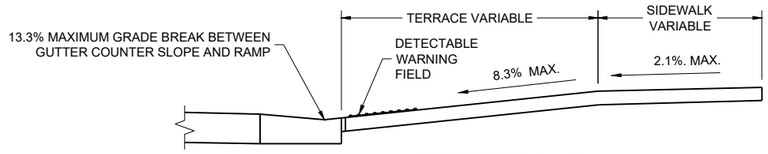
TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

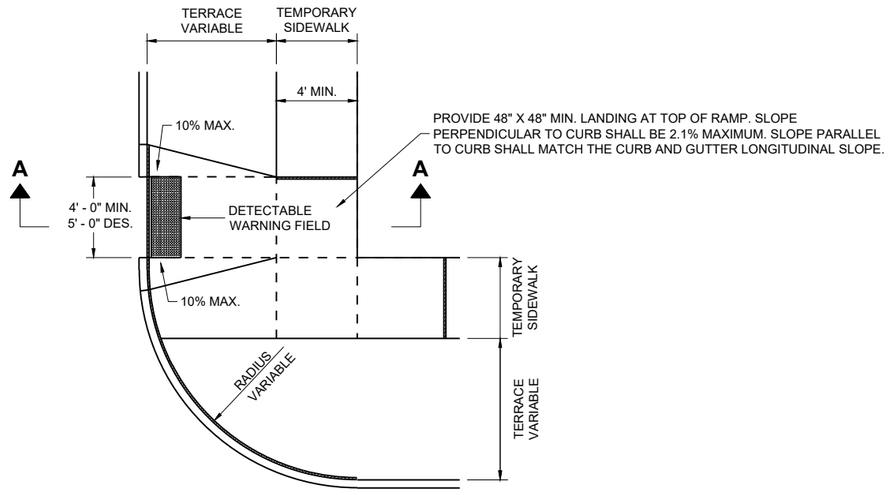
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

SDD 15D30-11c

GENERAL NOTES



SECTION A - A



PLAN VIEW
TEMPORARY TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

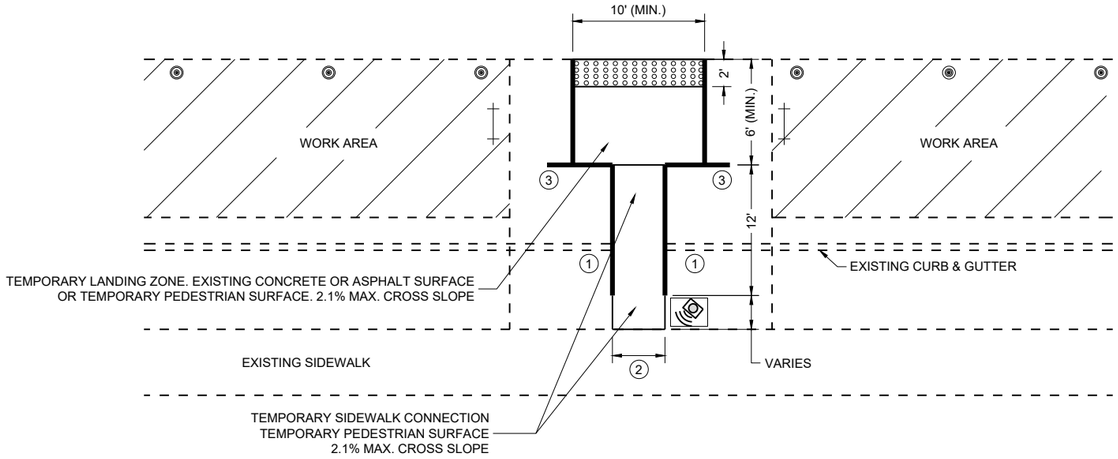
February 2025
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

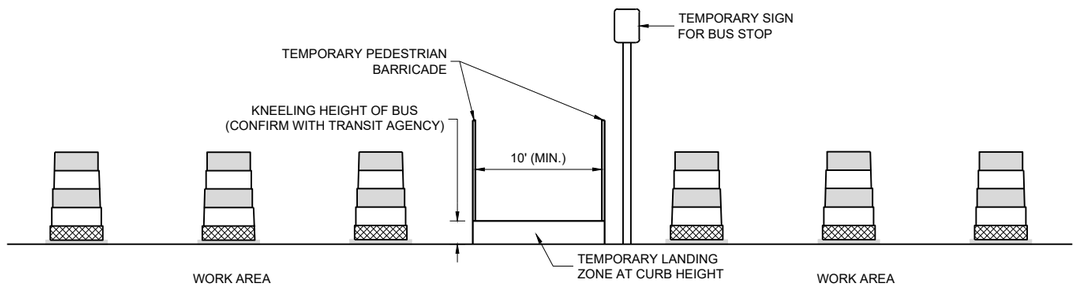
FHWA

6

SDD 15D30-11d



PLAN VIEW



PROFILE VIEW TEMPORARY BUS STOP PAD

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.

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.

DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

CURB RAMPS AND LANDINGS SHALL HAVE A 1:48 (2.1%) MAX. CROSS-SLOPE.

(1) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(2) 5' WIDE MIN. WITH TEMPORARY PEDESTRIAN BARRICADE, 10' WIDE MIN. WITHOUT TEMPORARY PEDESTRIAN BARRICADE.

(3) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE INTO THIS SPACE.

LEGEND

- TRAFFIC CONTROL DRUM
- TYPE III BARRICADE
- TEMPORARY PEDESTRIAN BARRICADE
- TEMPORARY DETECTABLE WARNING FIELD
- WORK AREA
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

6

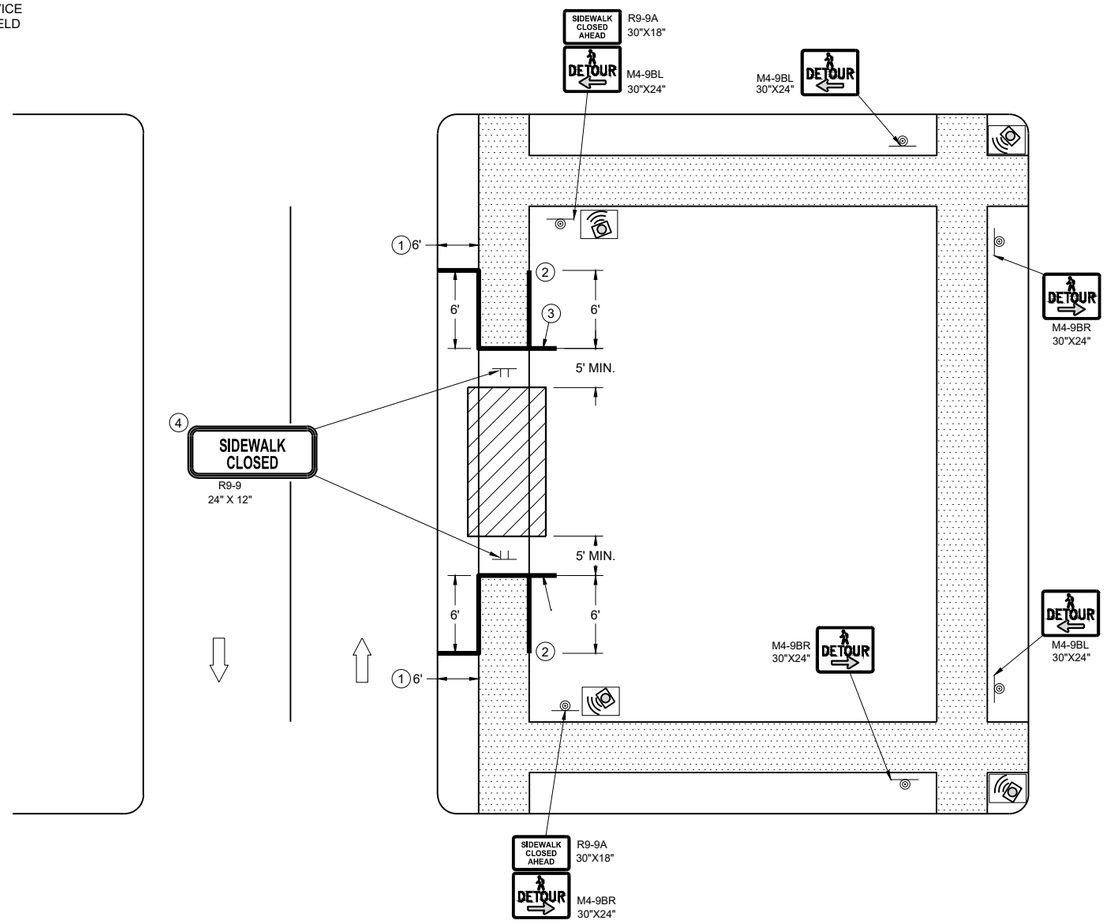
SDD 15D30-11e

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30-11f

LEGEND

- SIGN ON TEMPORARY SUPPORT
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY PEDESTRIAN SURFACE
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

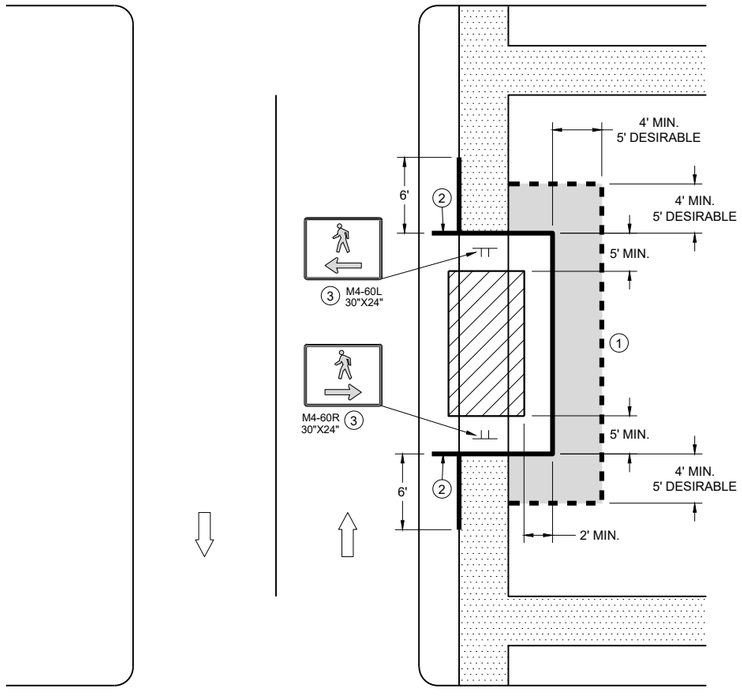
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

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

(1) USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.

(2) IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.



SIDEWALK BYPASS
SINGLE SIDE

6

SDD 15D30-11g

TRAFFIC CONTROL,
PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- UNDER PEDESTRIAN TRAFFIC
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

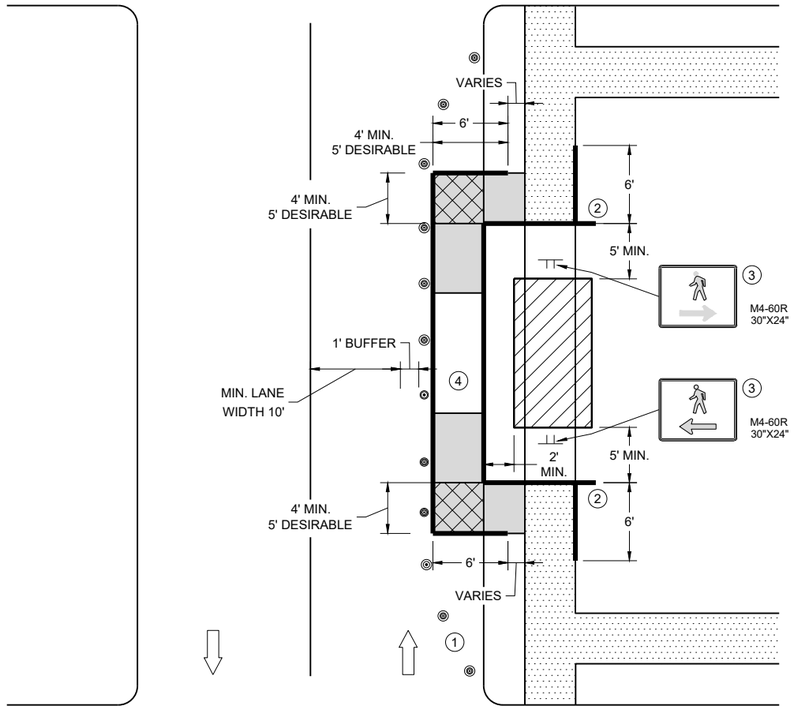
WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

(1) SHOULDER OR LANE CLOSURE ADVANCE WARNING AND BUFFER SPACE REQUIRED.

(2) PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL PAST THE SIDEWALK ON THE SIDE AWAY FROM THE ROAD.

(3) MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

(4) USE EXISTING PAVEMENT SURFACE. IF EXISTING PAVEMENT SURFACE HAS BEEN REMOVED, USE A TEMPORARY PEDESTRIAN SURFACE. WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.



SIDEWALK BYPASS, SINGLE SIDE

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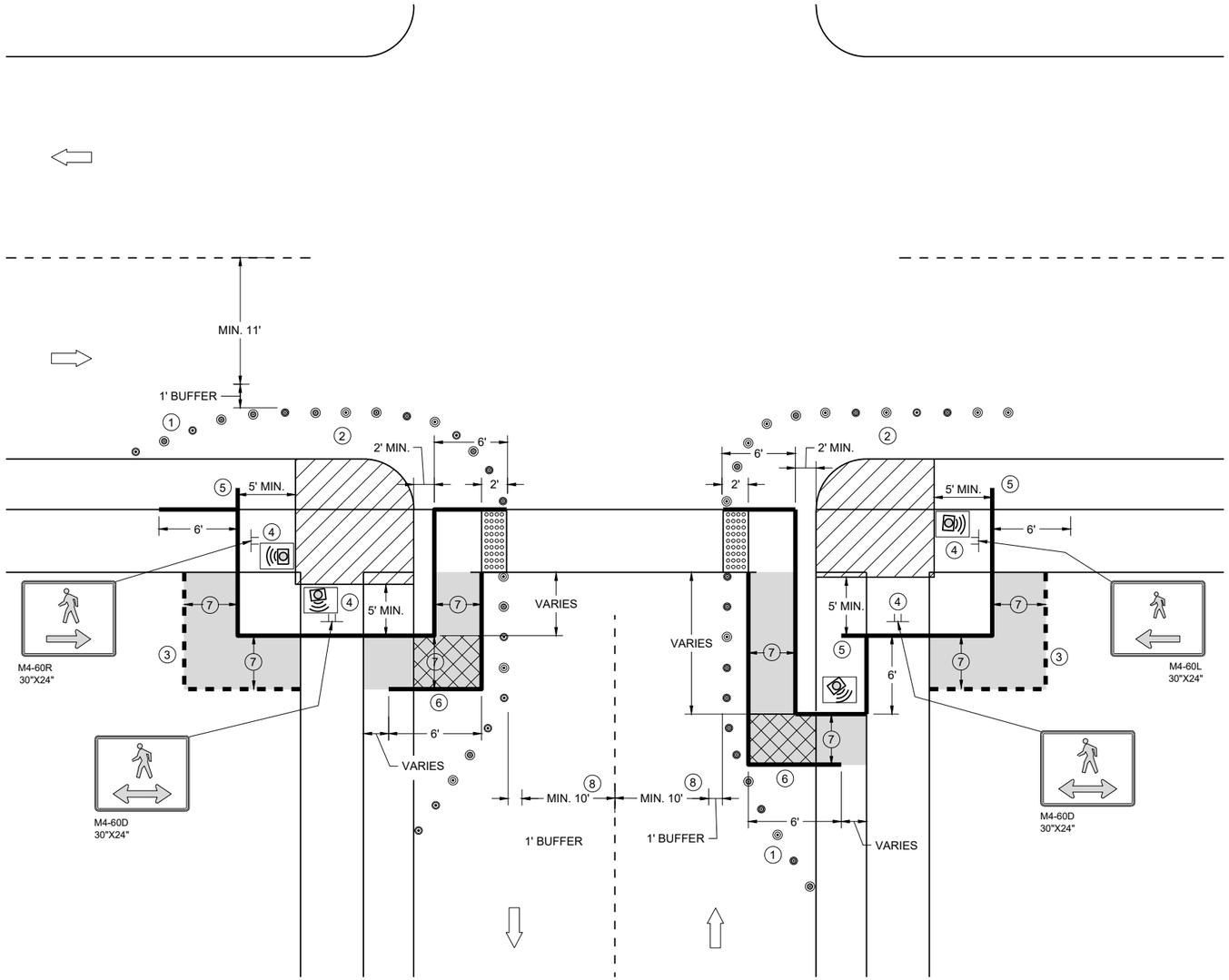
SDD 15D30-11h

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



CURB RAMP PEDESTRIAN TRAFFIC CONTROL
SIDEWALK ON SINGLE SIDE

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
7. 4 FEET MINIMUM, 5 FEET DESIRABLE
8. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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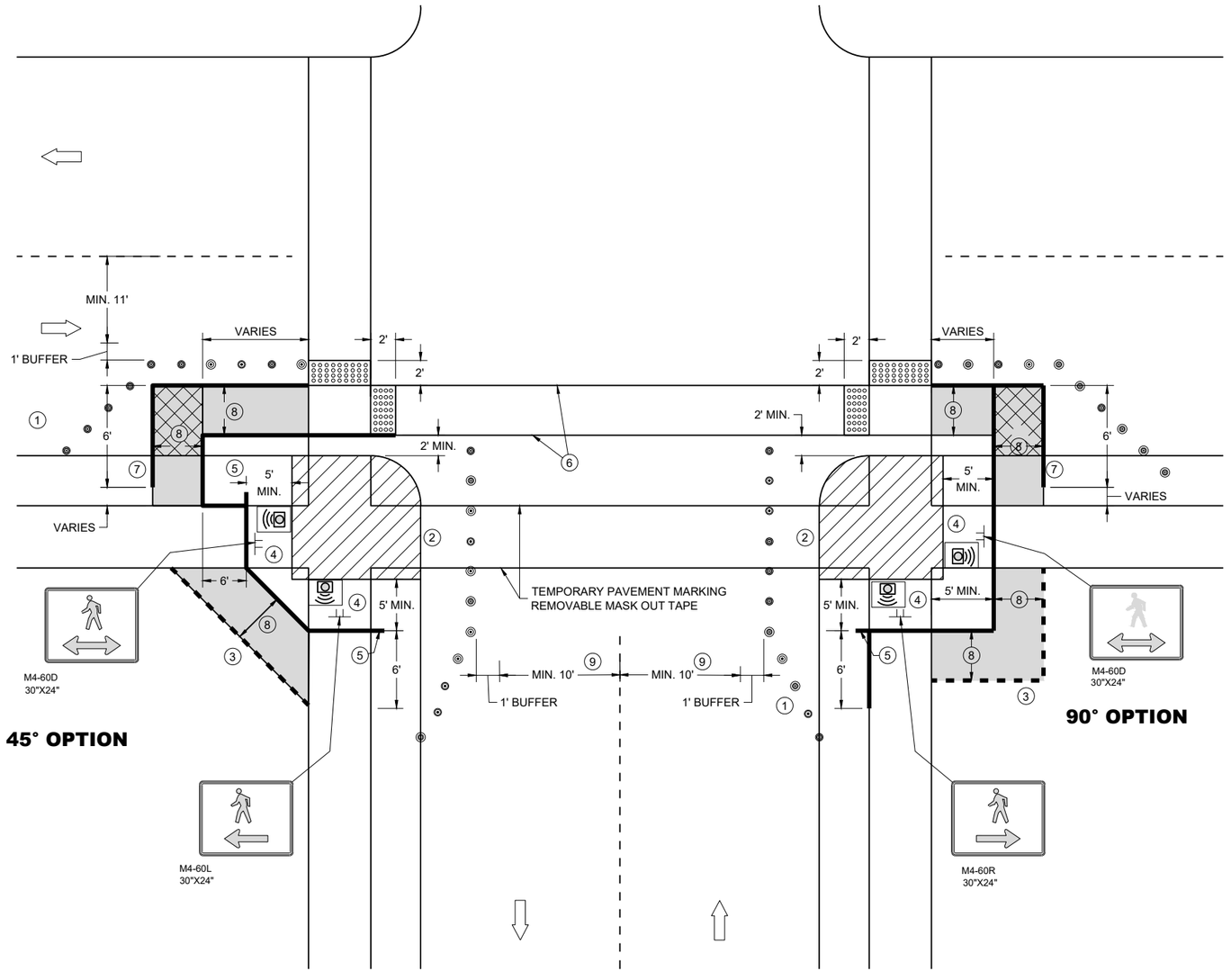
SDD 15D30-11i



CURB RAMP PEDESTRIAN TRAFFIC CONTROL

GENERAL NOTES

IF PEDESTRIAN PUSH BUTTONS ARE PRESENT ON THE EXISTING FACILITY, ENSURE THEY ARE MAINTAINED/ACCESSIBLE FOR PEDESTRIAN USE THROUGHOUT THE TEMPORARY PEDESTRIAN ACCOMMODATIONS.

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG

WHEN TEMPORARY PEDESTRIAN BARRICADE RUNS PARALLEL ALONG THE SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCE WARNING AND PROPER BUFFER SPACE REQUIRED.
2. PROVIDE ADEQUATE SPACE FOR CONTRACTOR OPERATIONS
3. USE TEMPORARY PEDESTRIAN BARRICADE TO SEPARATE PEDESTRIANS FROM DROP OFFS OR FOR ADDITIONAL PEDESTRIAN CHANNELIZATION.
4. MOUNTING HEIGHT OF 5 FEET FROM SIDEWALK SURFACE TO BOTTOM OF SIGN.
5. PLACE EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL IN THE SIDEWALK TERRACE.
6. WHITE 6" TEMPORARY PAVEMENT MARKING
7. IF TEMPORARY PEDESTRIAN BARRICADE DOES NOT REACH THE FACE OF THE CURB, USE AN ADDITIONAL PANEL AND EXTEND INTO THE TERRACE.
8. 4 FEET MINIMUM, 5 FEET DESIRABLE
9. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, CURB RAMPS MAY NEED TO BE CONSTRUCTED AT SEPARATE TIMES.

LEGEND

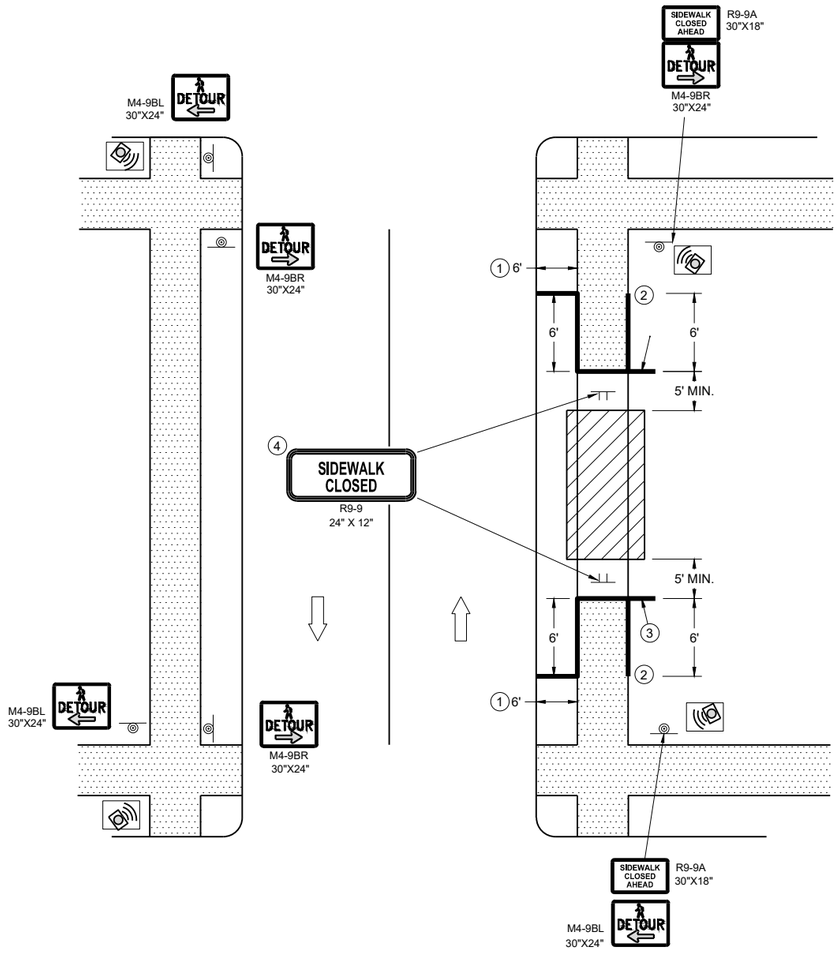
- SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- WORK AREA
- TEMPORARY CURB RAMP
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN BARRICADE
- OPTIONAL TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)



SIDEWALK DETOUR, SIDEWALK ON BOTH SIDES

GENERAL NOTES

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

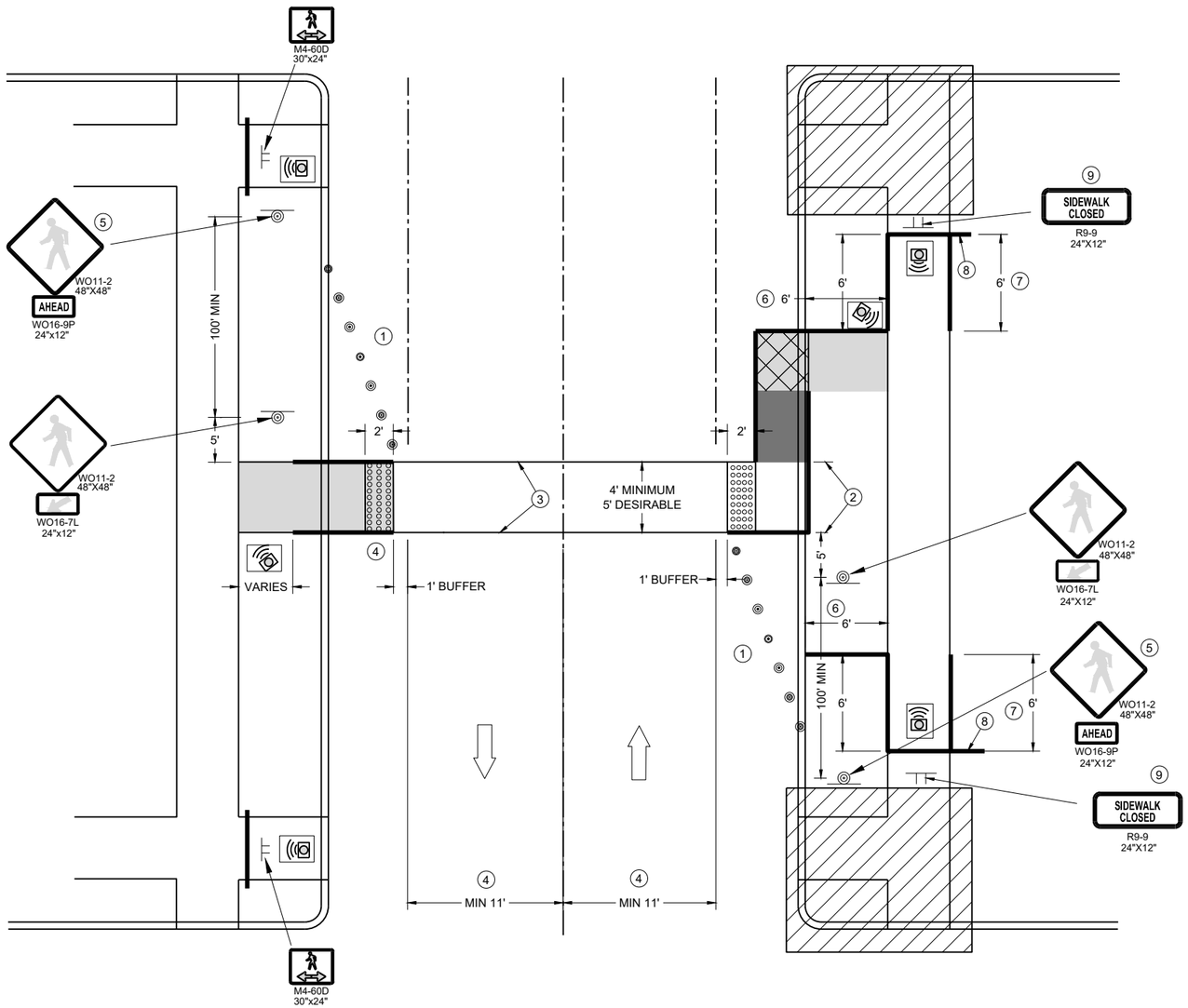
SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICT WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



TEMPORARY PEDESTRIAN CROSSING

GENERAL NOTES

TYPICAL TEMPORARY PEDESTRIAN BARRICADE PANEL IS 6 FEET LONG.

SEE OTHER PEDESTRIAN ACCOMMODATION DETAILS FOR SIGNING AND DEVICES FOR DIFFERENT PEDESTRIAN FACILITIES CLOSURES.

WHEN THE TEMPORARY PEDESTRIAN ACCESS ROUTE RUNS PARALLEL ON THE ROADWAY SURFACE, THE MAXIMUM CROSS SLOPE WILL MATCH THE EXISTING ROADWAY CROSS SLOPE.

1. SHOULDER OR LANE CLOSURE ADVANCED WARNING AND PROPER BUFFER SPACE REQUIRED.
2. 4 FEET MINIMUM, 5 FEET DESIRABLE.
3. WHITE 6" TEMPORARY PAVEMENT MARKING.
4. IF MINIMUM LANE WIDTHS CAN'T BE ATTAINED, PERPENDICULAR CURB RAMPS MAY NEED TO BE UTILIZED.
5. IF MINIMUM 100' SPACING FROM THE MID-BLOCK CROSSING CANNOT BE ATTAINED BEFORE THE INTERSECTION, REMOVE THIS SIGN ASSEMBLY.
6. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
7. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
8. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF THE EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
9. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF THE SIGN.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON TEMPORARY SUPPORT
- TEMPORARY CURB RAMP
- TEMPORARY DETECTABLE WARNING FIELD
- TEMPORARY PEDESTRIAN SURFACE "A"
- TEMPORARY PEDESTRIAN SURFACE "B"
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC
- TEMPORARY AUDIBLE MESSAGE DEVICE (EXACT PLACEMENT BASED UPON FIELD CONDITIONS)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

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

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

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

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

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

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

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

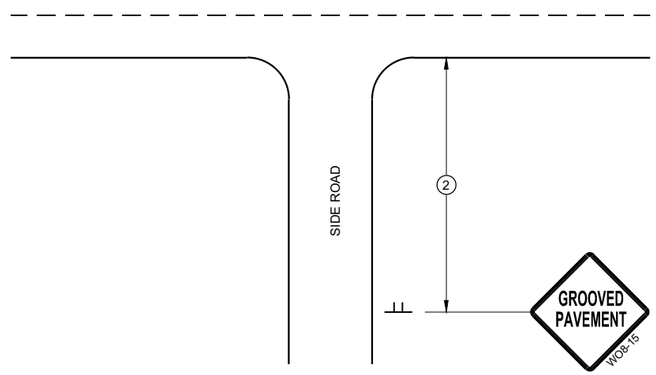
(1) PLACE SIGNS 350' IN ADVANCE OF MILLED SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

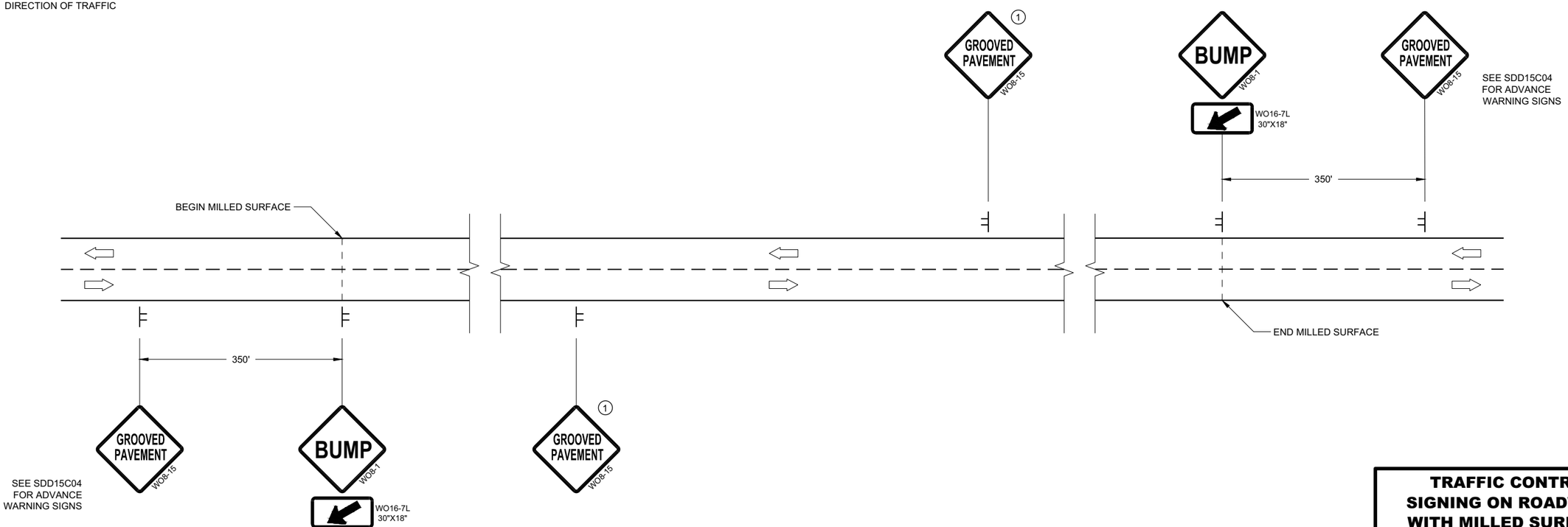
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON MILLED SURFACES

TRAFFIC CONTROL, SIGNING ON ROADWAYS WITH MILLED SURFACES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6
SDD 15D44 - 02

GENERAL NOTES

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

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

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

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

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

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

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

(1) PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.

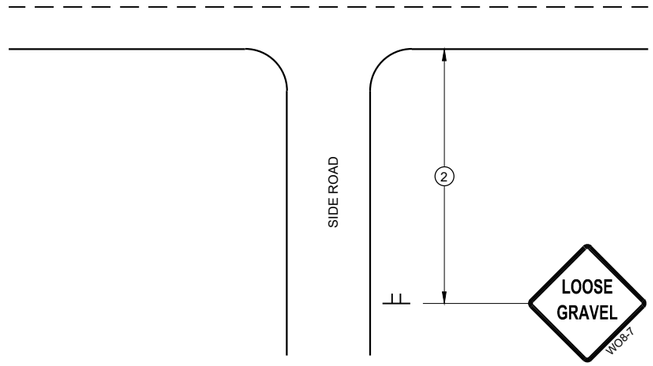
(2) PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.

(3) ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

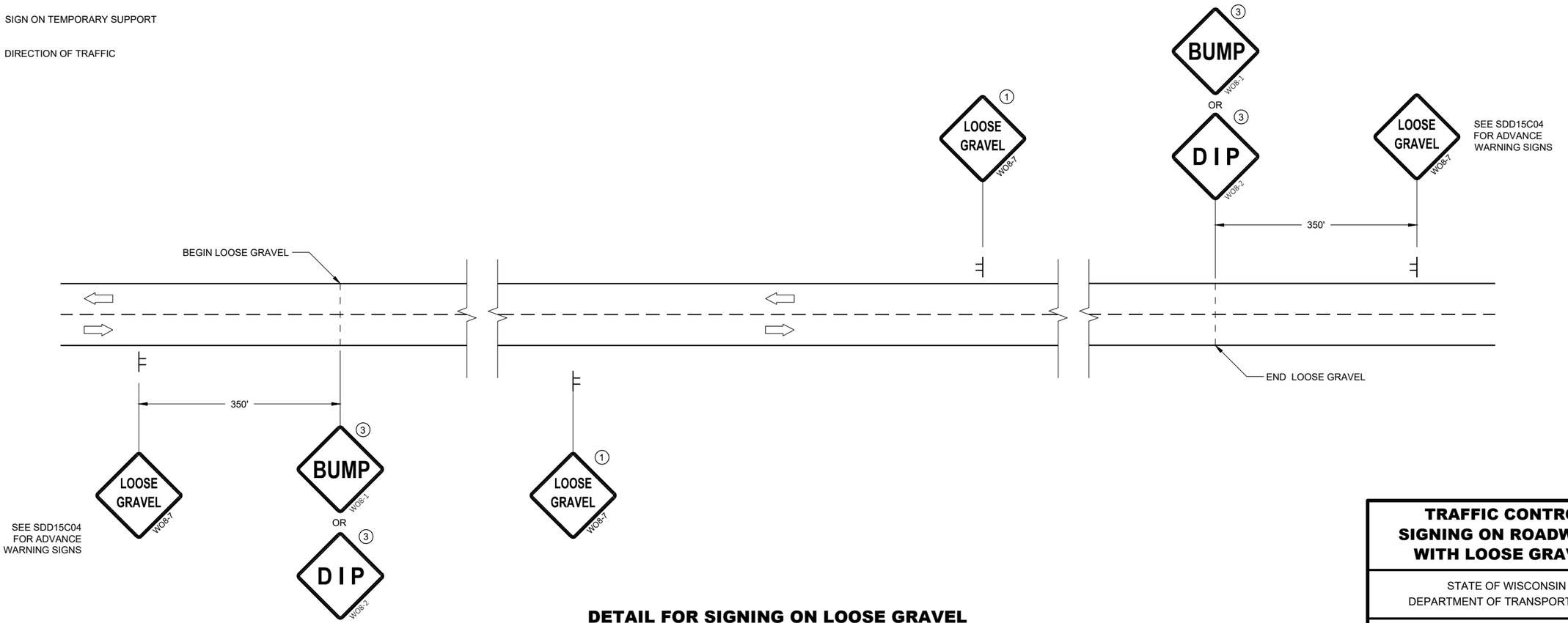
LEGEND

SIGN ON TEMPORARY SUPPORT

DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

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SDD 15D45 - 03

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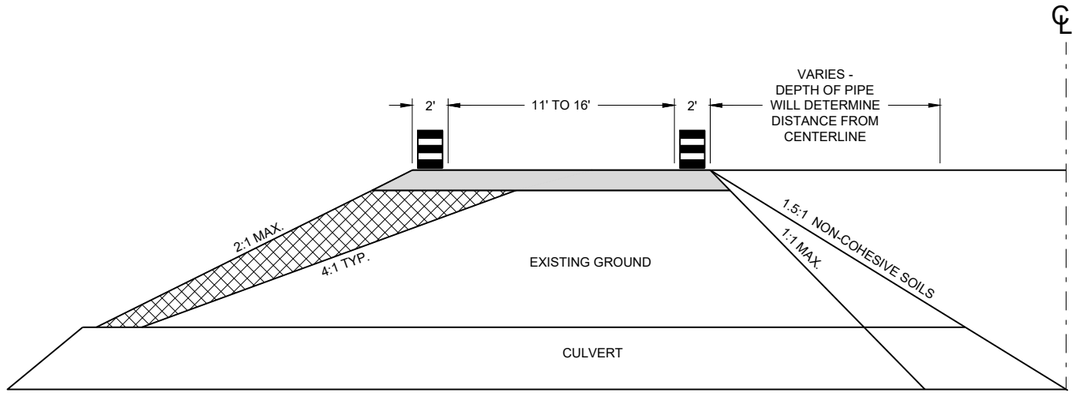
SDD 15D45 - 03



CROSS SECTION

GENERAL NOTES

USE 1:1 FOR COHESIVE CLAYS AND SILTS, LOAMS, SANDY CLAYS AND ANGULAR GRAVEL SOILS.
USE 1.5:1 FOR NON-COHESIVE SOILS.

THE TAPER SHOULD EXTEND ACROSS THE SHOULDER UNLESS DOING SO WOULD GREATLY CONFLICT WITH THE WORK OPERATION.

ALL LANE CLOSURE SIGNS SHALL BE REMOVED OR COVERED AND ALL DEVICES REMOVED BEYOND THE SHOULDER WHEN WORK IS NOT IN PROGRESS AND THE LANE IS RESTORED TO A SAFE OPERATING CONDITION.

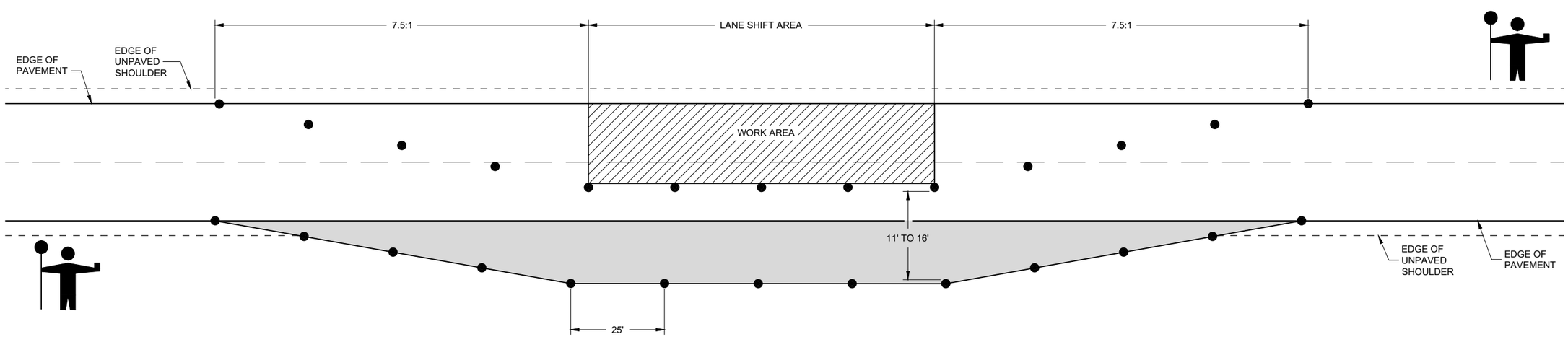
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

USE WITH SDD 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATIONS"

USE WITH SDD 15D45 "SIGNING ON ROADWAYS WITH LOOSE GRAVEL"

LEGEND

- DRUM WITHOUT WARNING LIGHT
- 6" BASE AGGREGATE DENSE 1 ¼" -INCIDENTAL TO LANE SHIFT ITEM
- FILL - INCIDENTAL TO LANE SHIFT ITEM
- WORK AREA
- FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF



LANE SHIFT IN FLAGGING OPERATION

TRAFFIC CONTROL, TEMPORARY LANE SHIFT DURING CULVERT WORK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

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SDD 15D48 - 01

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SDD 15D48 - 01

LEGEND

V1 WORK VEHICLE

V2 SHADOW VEHICLE

TRUCK MOUNTED ATTENUATOR (TMA)

FLASHING ARROW PANEL (CAUTION)

WORK AREA

DIRECTION OF TRAFFIC

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

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

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

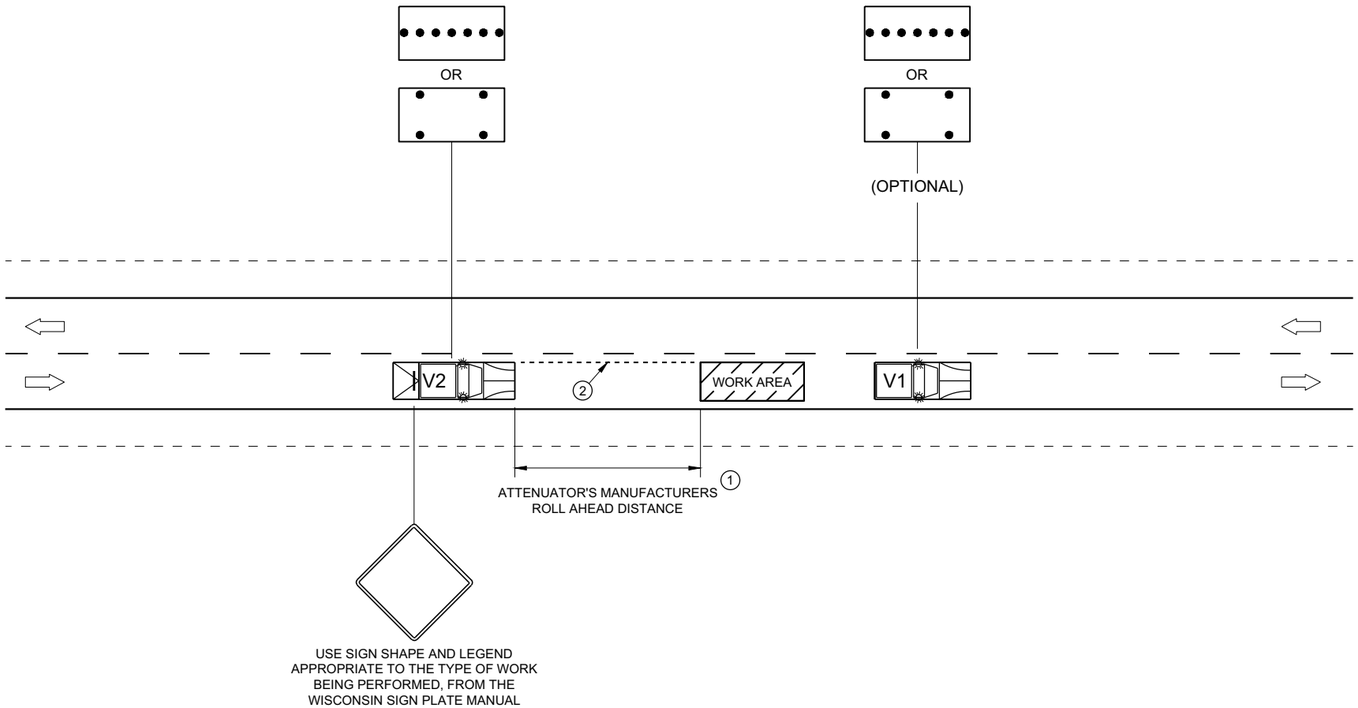
ALL VEHICLES SHALL BE EQUIPPED WITH TWO 360 DEGREE HIGH INTENSITY YELLOW FLASHING LIGHTS OR STROBE LIGHTS AND OPERATED WITH HEADLIGHTS TURNED ON.

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

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

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

(2) ALIGN LEFT SIDE OF SHADOW VEHICLE WITH EDGE OF WORK AREA.



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SDD 15D51 - 01

TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

February 2021
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

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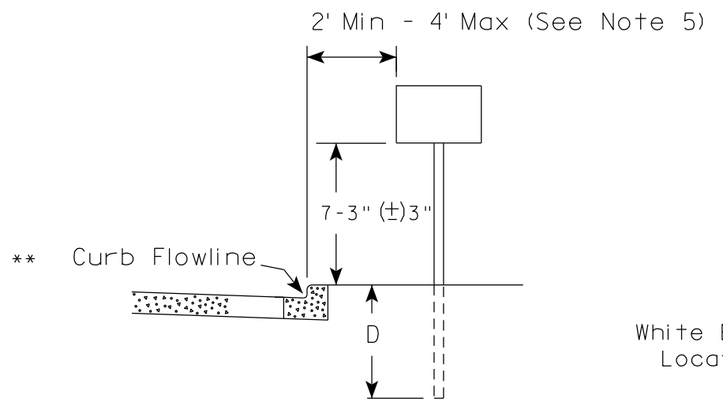
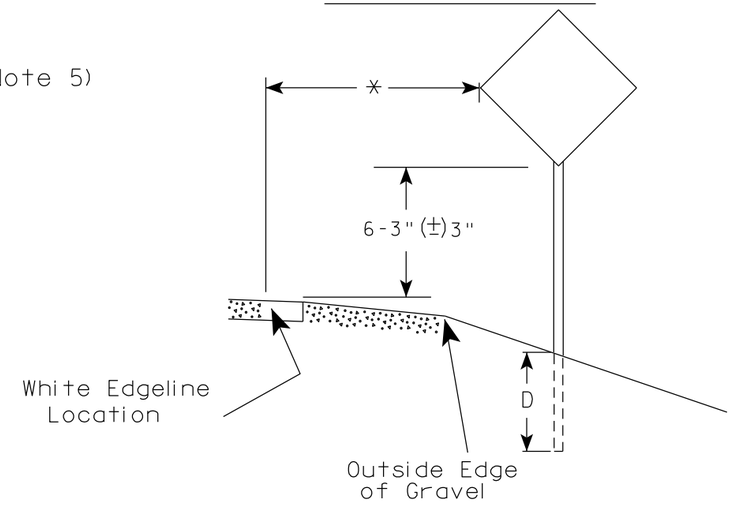
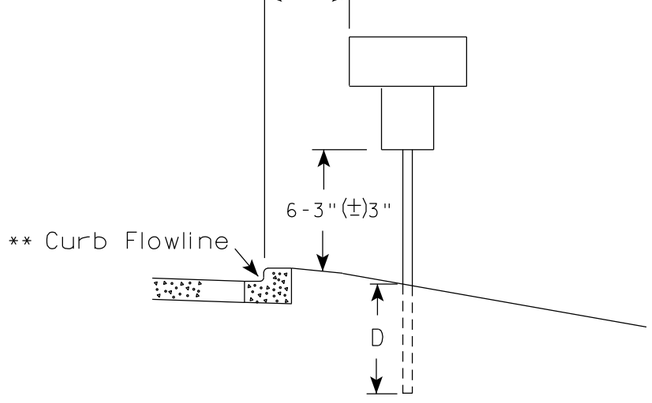
SDD 15D51 - 01

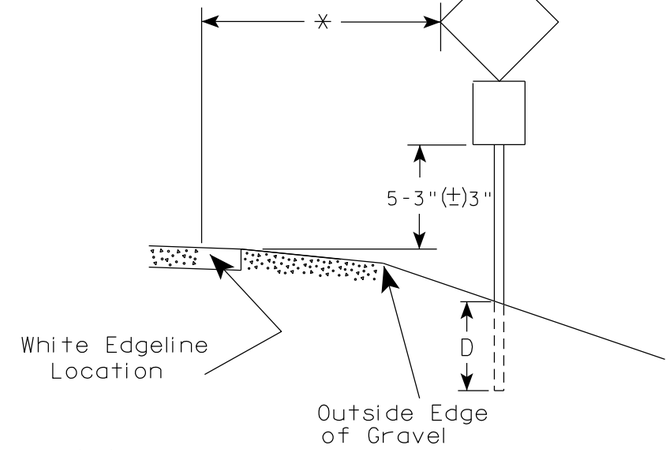
URBAN AREA



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

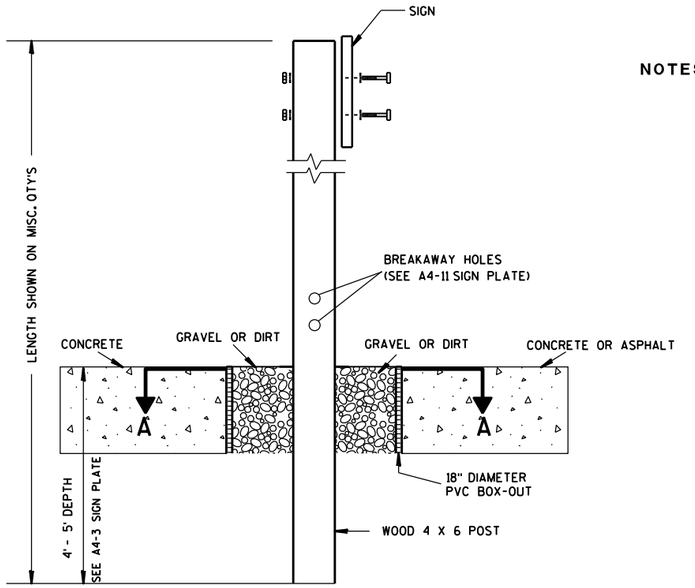
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

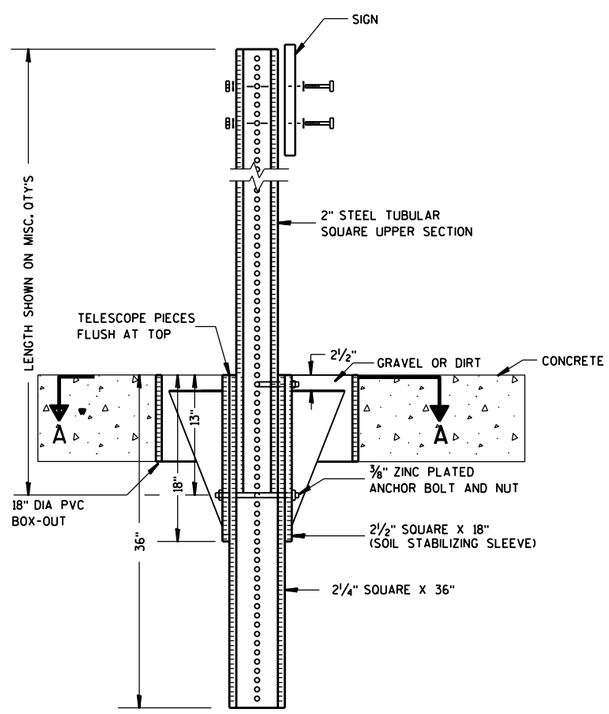
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 171	E



ELEVATION VIEW

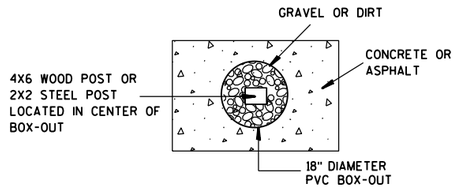
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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

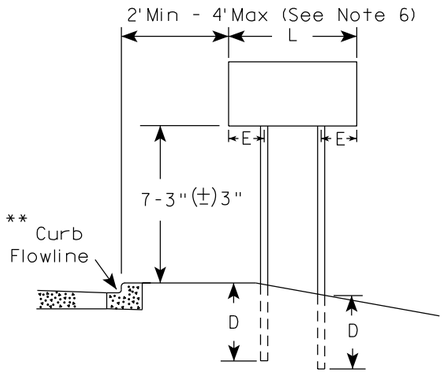
APPROVED Matthew R Rauch
for State Traffic Engineer

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

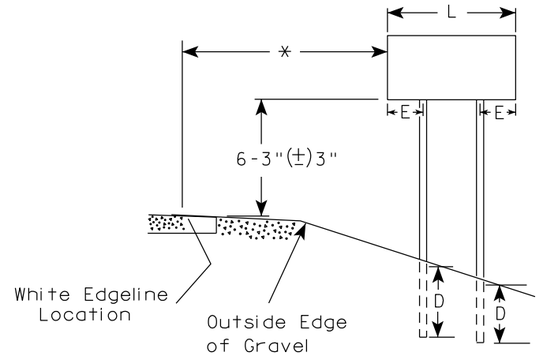
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

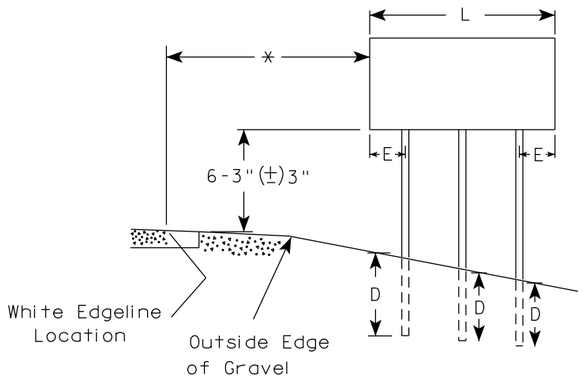
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

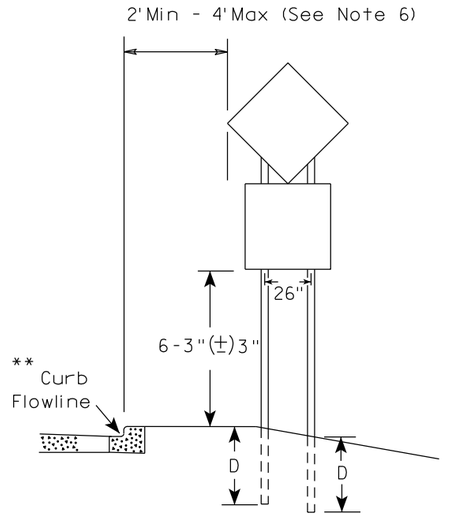
URBAN AREA



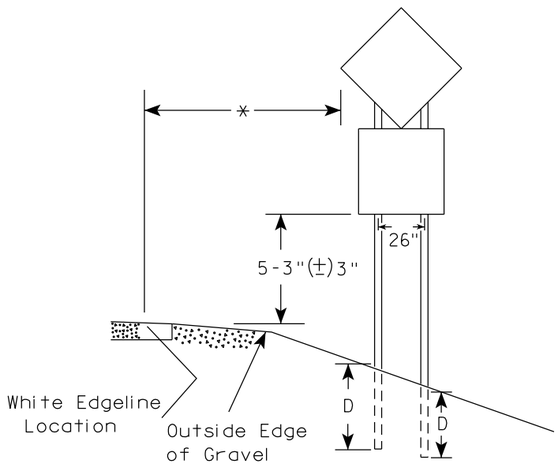
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

GENERAL NOTES

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

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

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

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

POST EMBEDMENT DEPTH

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

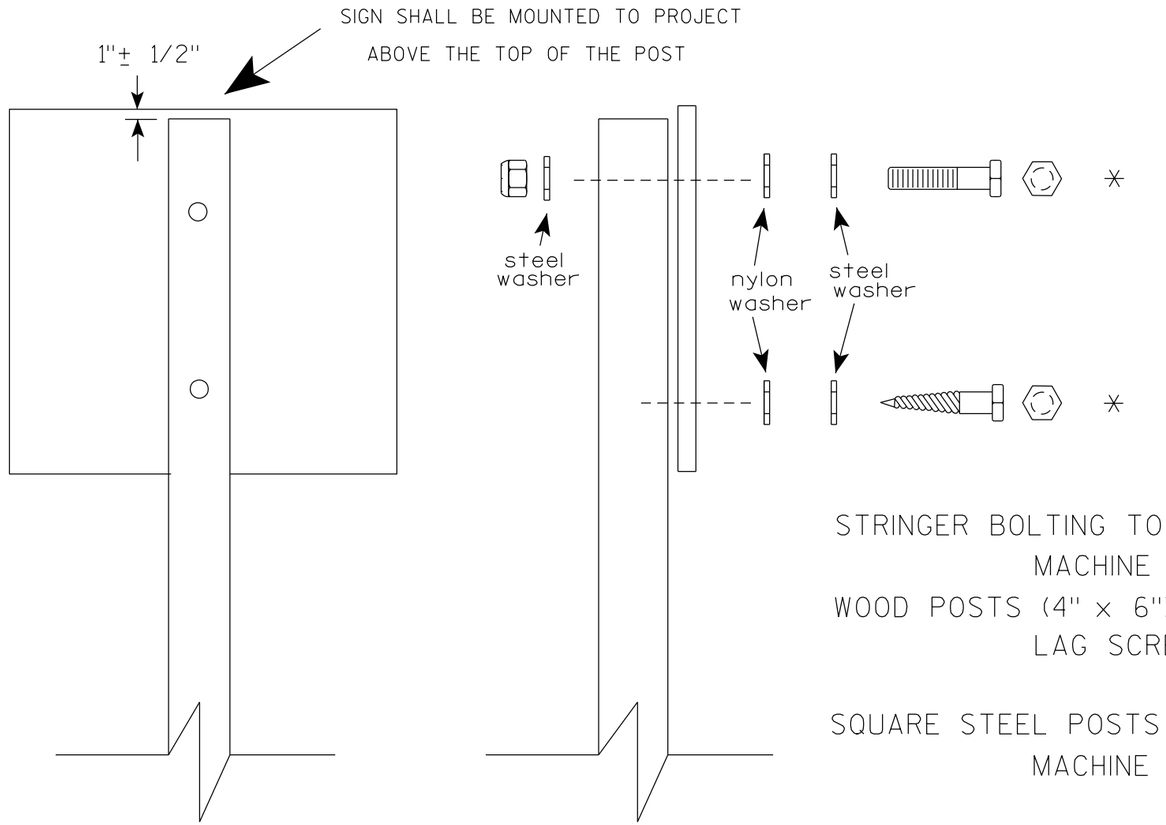
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 173	E



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

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

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

WOOD POSTS (4" x 6")

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

SQUARE STEEL POSTS (2" x 2")

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

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

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

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

ATTACHMENT OF SIGNS TO POSTS

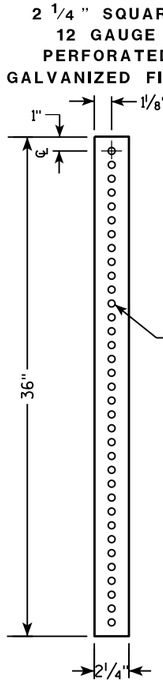
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

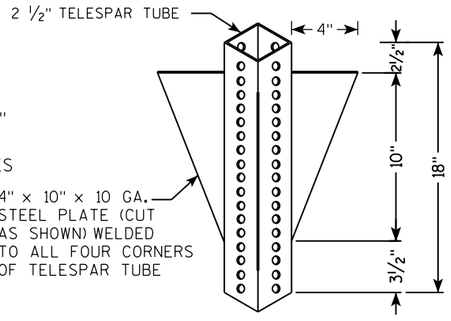
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

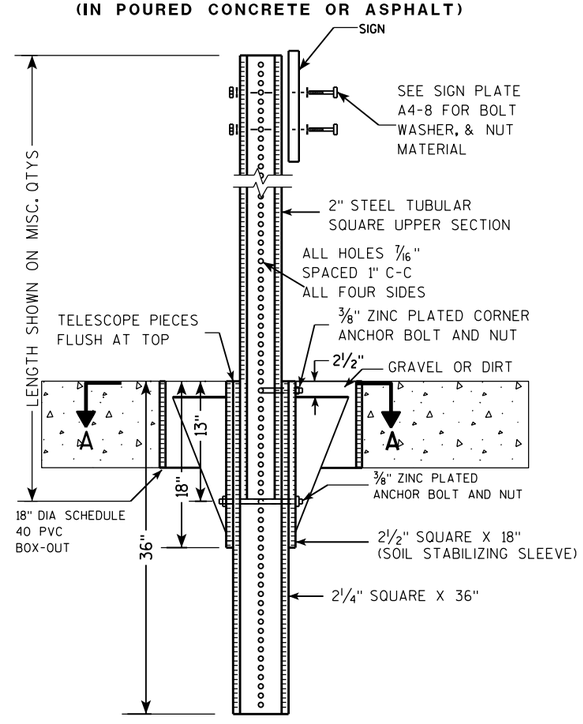
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



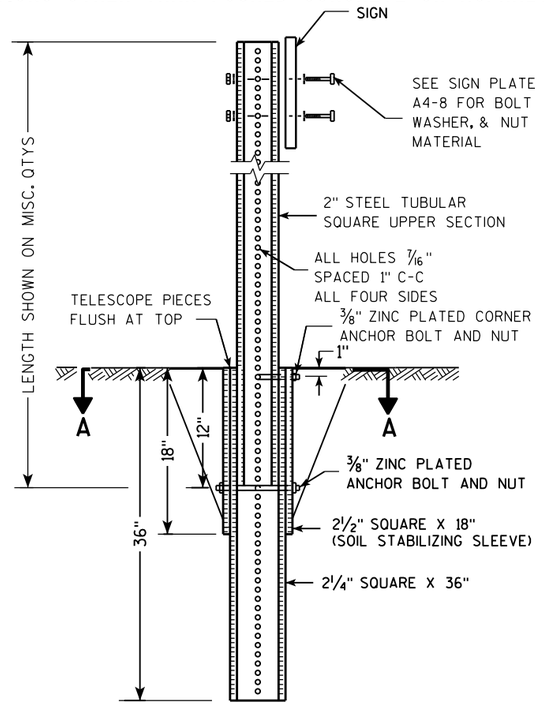
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

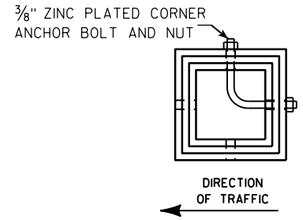


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



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





SECTION A-A

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

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

TUBULAR STEEL
SIGN POST
A4-9

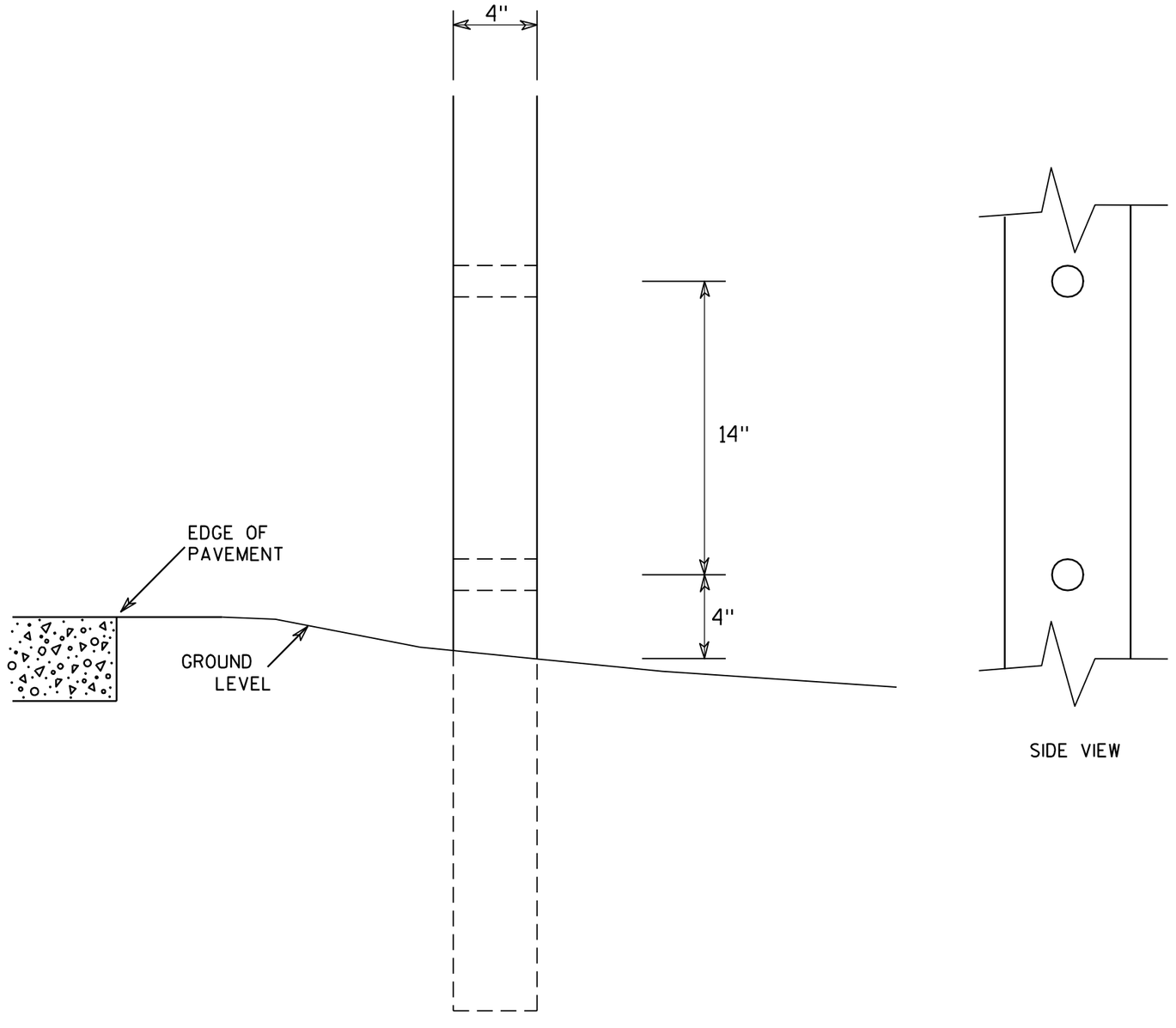
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A49.DGN PLOT DATE : 05-FEB-2015 17:09 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42



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.

7

7

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

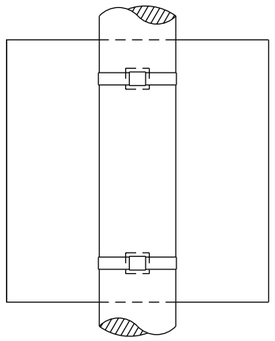
APPROVED Chester J Spang for State Traffic Engineer

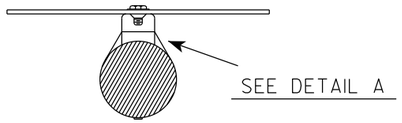
DATE 3/27/97 PLATE NO. A4-11.2

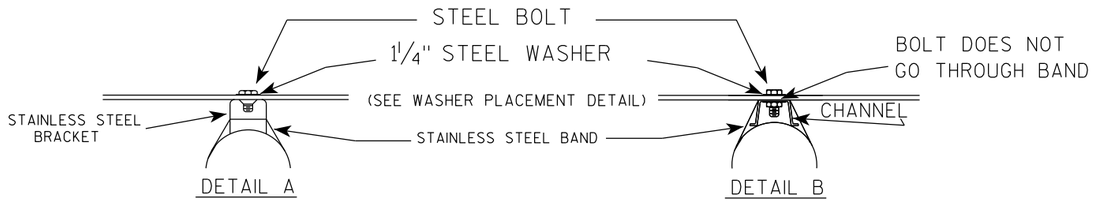
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 176	E

BANDING

SINGLE SIGN



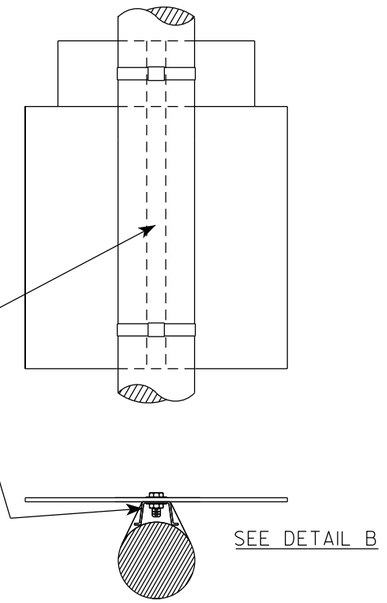




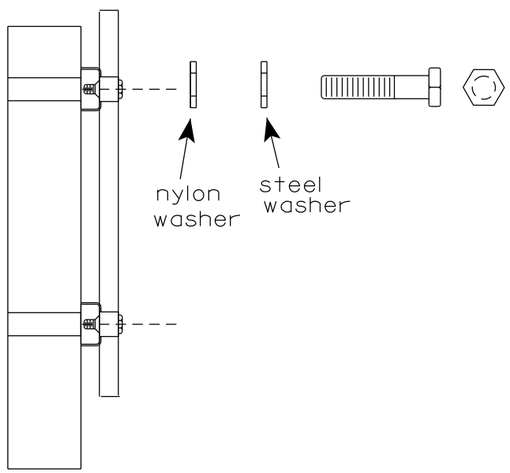
GENERAL NOTES

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.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

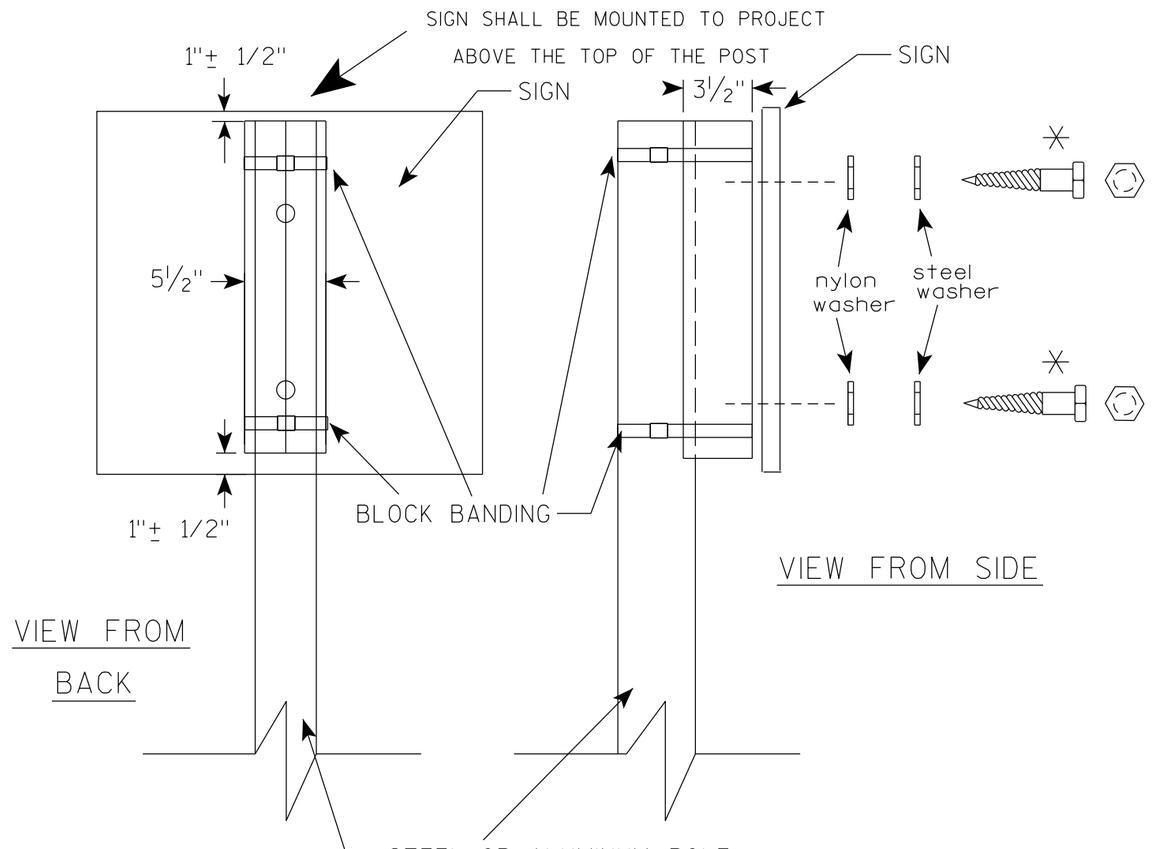
DATE 6/10/19 PLATE NO. A5-9.4

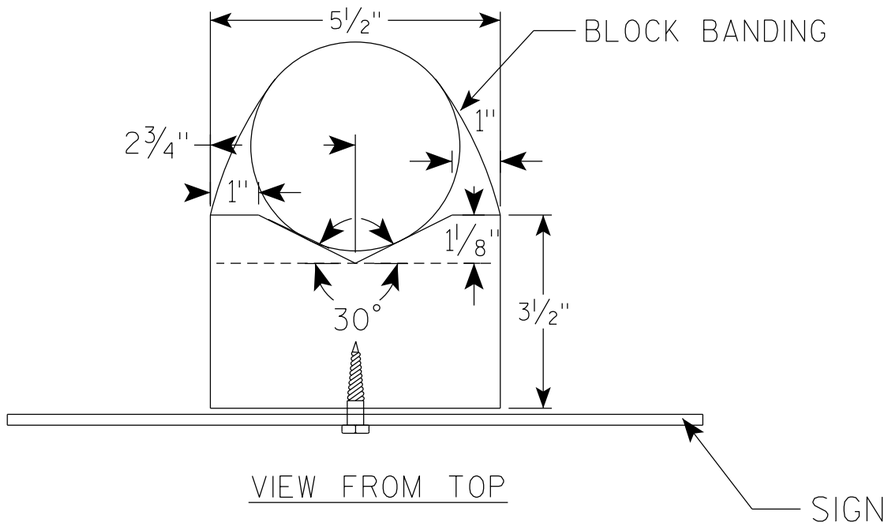
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 177	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





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
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 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)

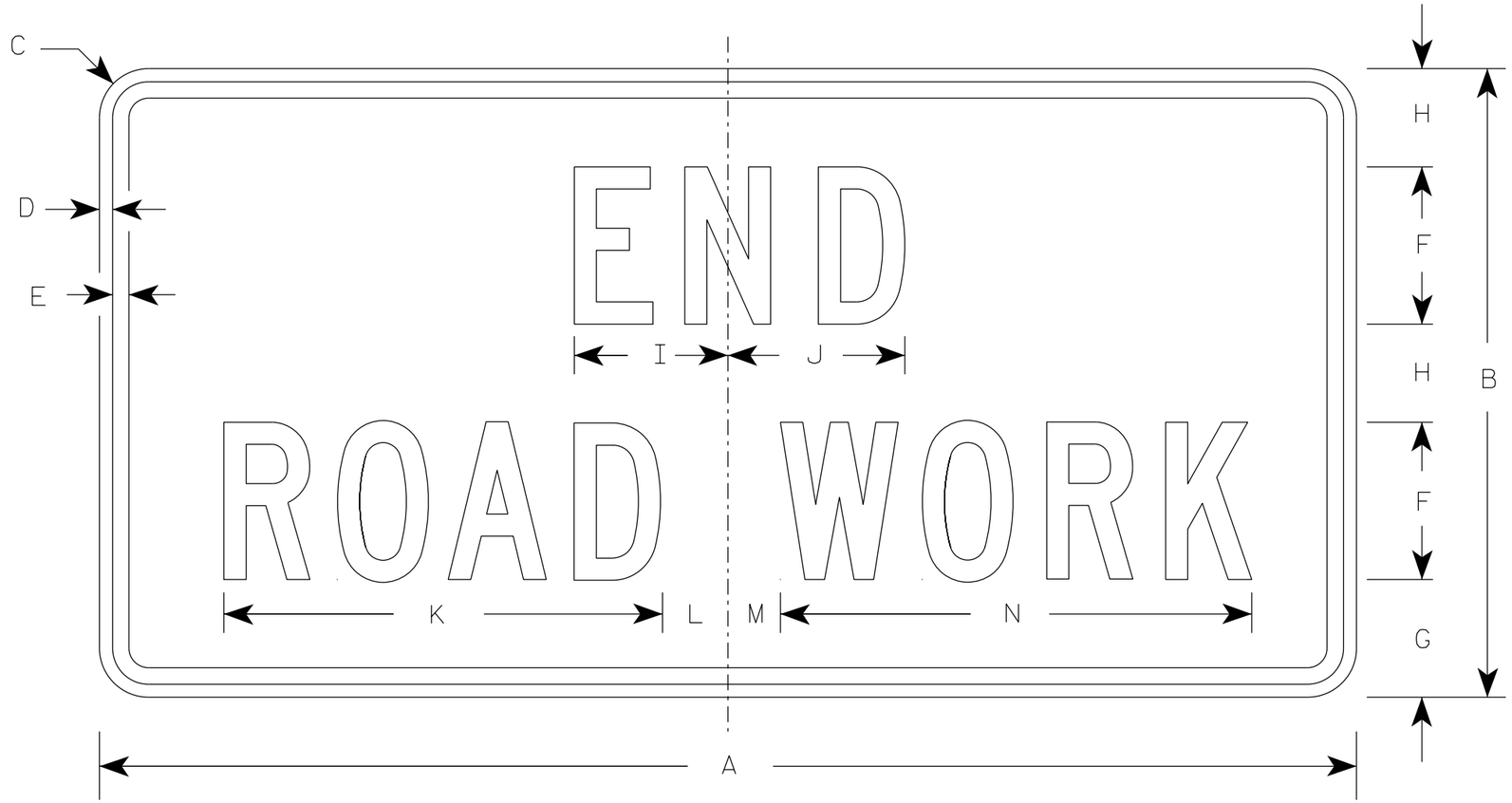
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

SHEET NO: 178 E



G20-2A

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	18	1 1/2	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5
2	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
2M	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
3	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
4	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0
5	48	24	1 7/8	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0

STANDARD SIGN

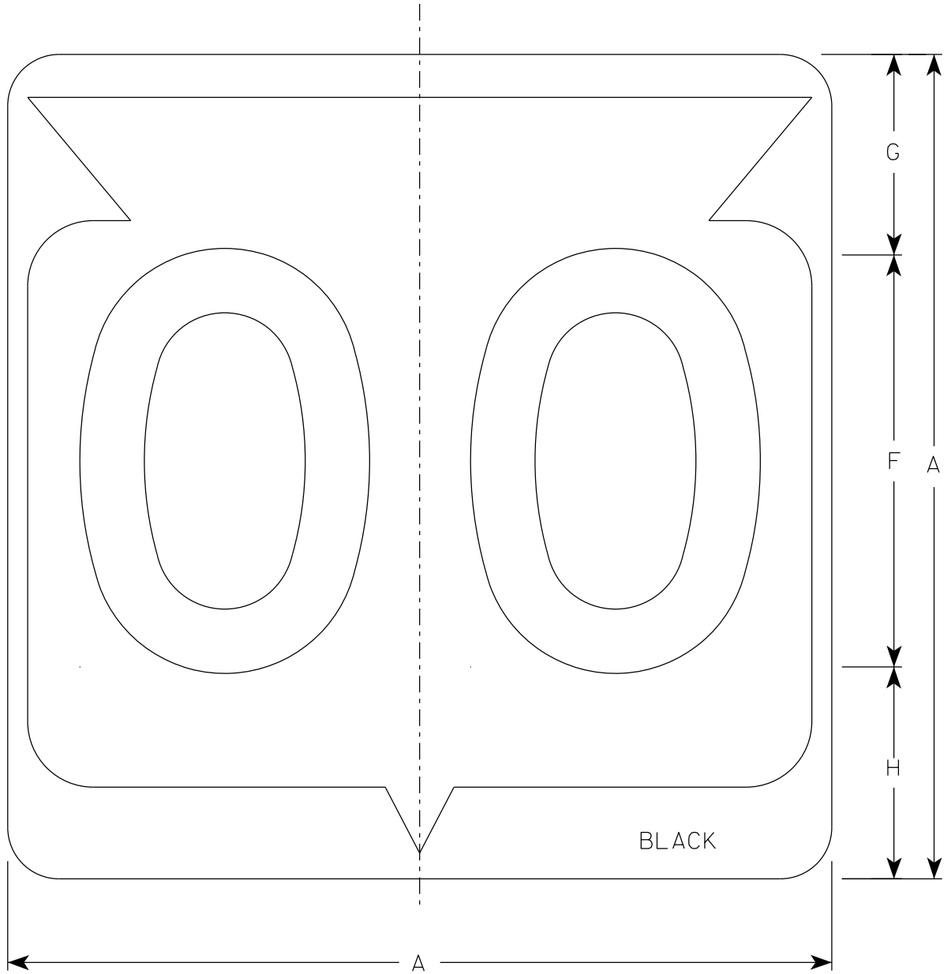
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

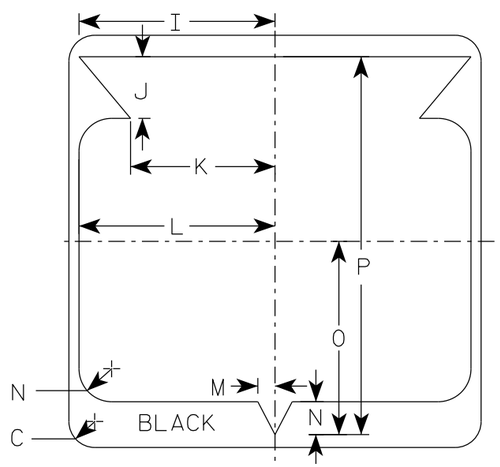
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 179 E



M1-6

NOTES

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



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

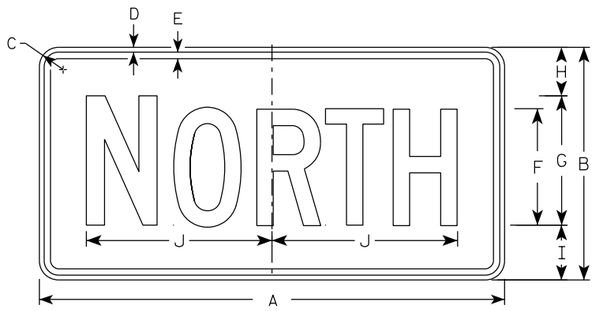
STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

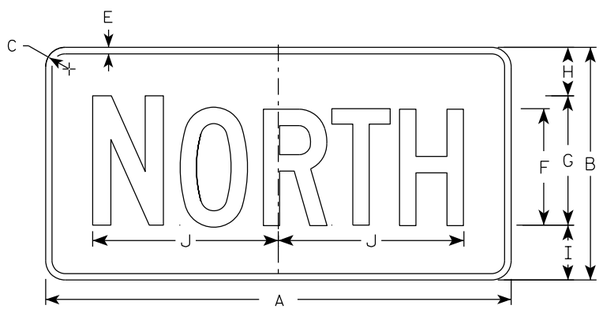
APPROVED Matthew R Rauch
for State Traffic Engineer

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

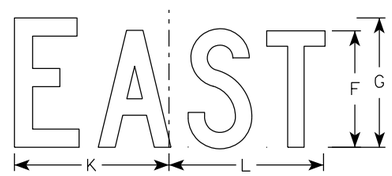
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 180	E



M3-1
MM3-1
MP3-1

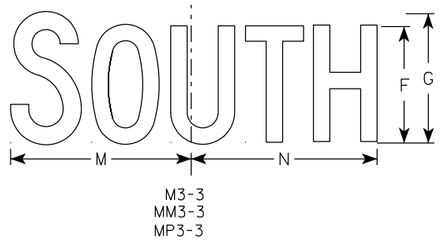


MB3-1
MK3-1
MN3-1

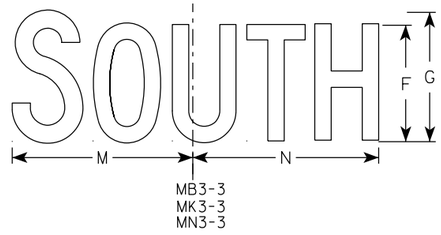


M3-2
MM3-2
MP3-2

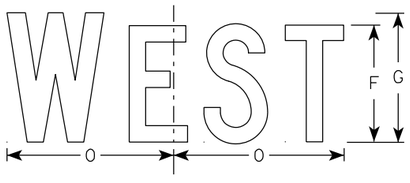
MB3-2
MK3-2
MN3-2



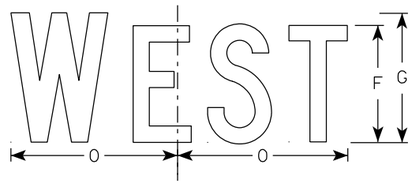
M3-3
MM3-3
MP3-3



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 Reflective
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																											
2S	24	12	1 1/2	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												2.00
2M	24	12	1 1/2	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												2.00
3	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
4	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5
5	36	18	1 1/2	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13												4.5

STANDARD SIGNS
M3-1 THRU M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

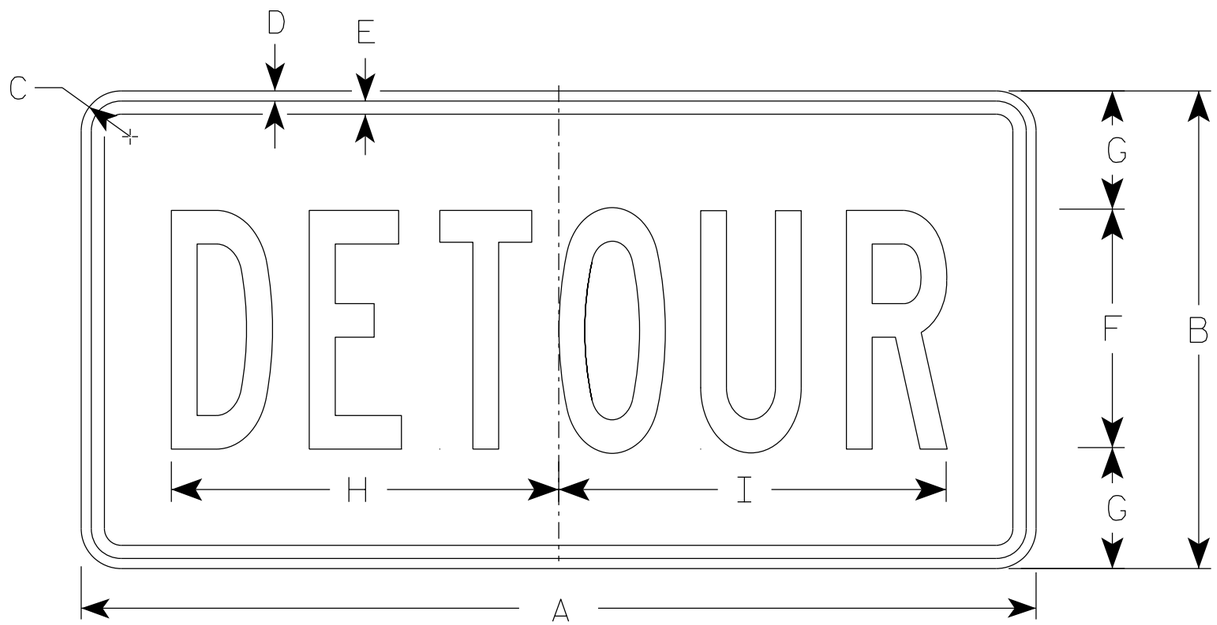
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 2/8/2023 PLATE NO. M3-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 181	E

NOTES

1. Sign is Type II - Type F Reflective
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.



M4-8

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 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
2M	24	12	1 1/2	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
5	36	18	1 1/2	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5

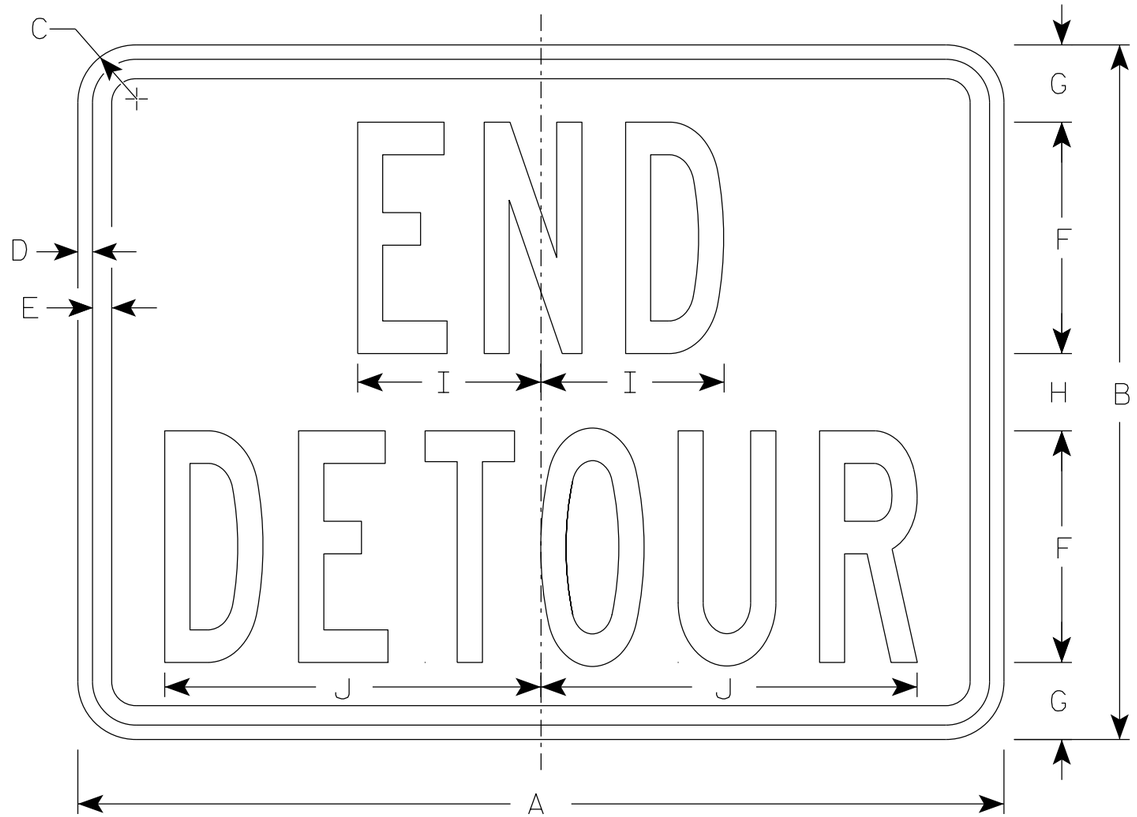
STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E



M4-8A

NOTES

1. Sign is Type II - Type F Reflective
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 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
2M	24	18	1 ½	⅜	½	6	2	2	4 ¾	9 ¾																	3.0
3	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
4	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0
5	30	24	1 ½	⅜	½	8	2 ½	3	6 ¾	13																	5.0

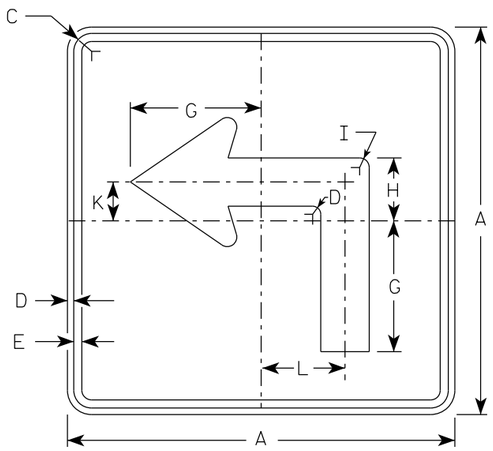
STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

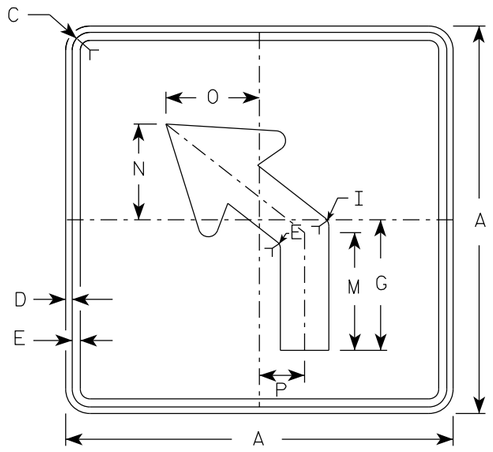
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4

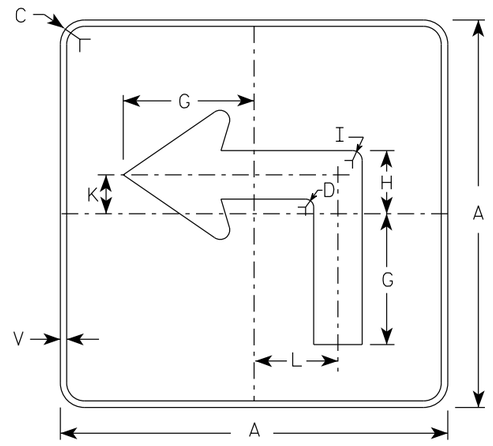
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 183 | E



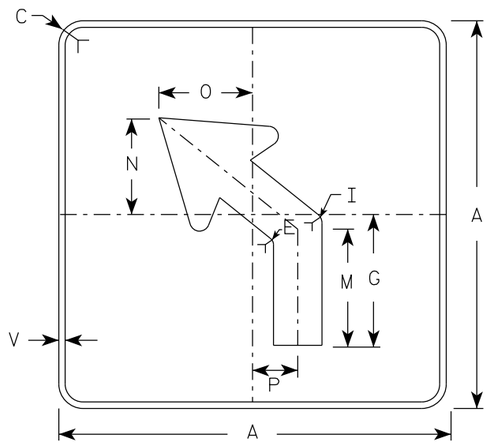
M5-1L
MM5-1L
MO5-1L
MP5-1L



M5-2L
MM5-2L
MO5-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L

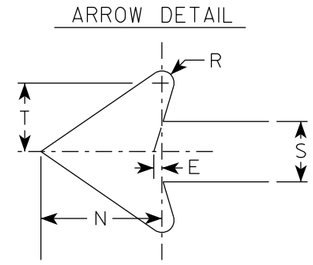


MB5-2L
MK5-2L
MN5-2L
MR5-2L

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
   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.

ARROW DETAIL



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

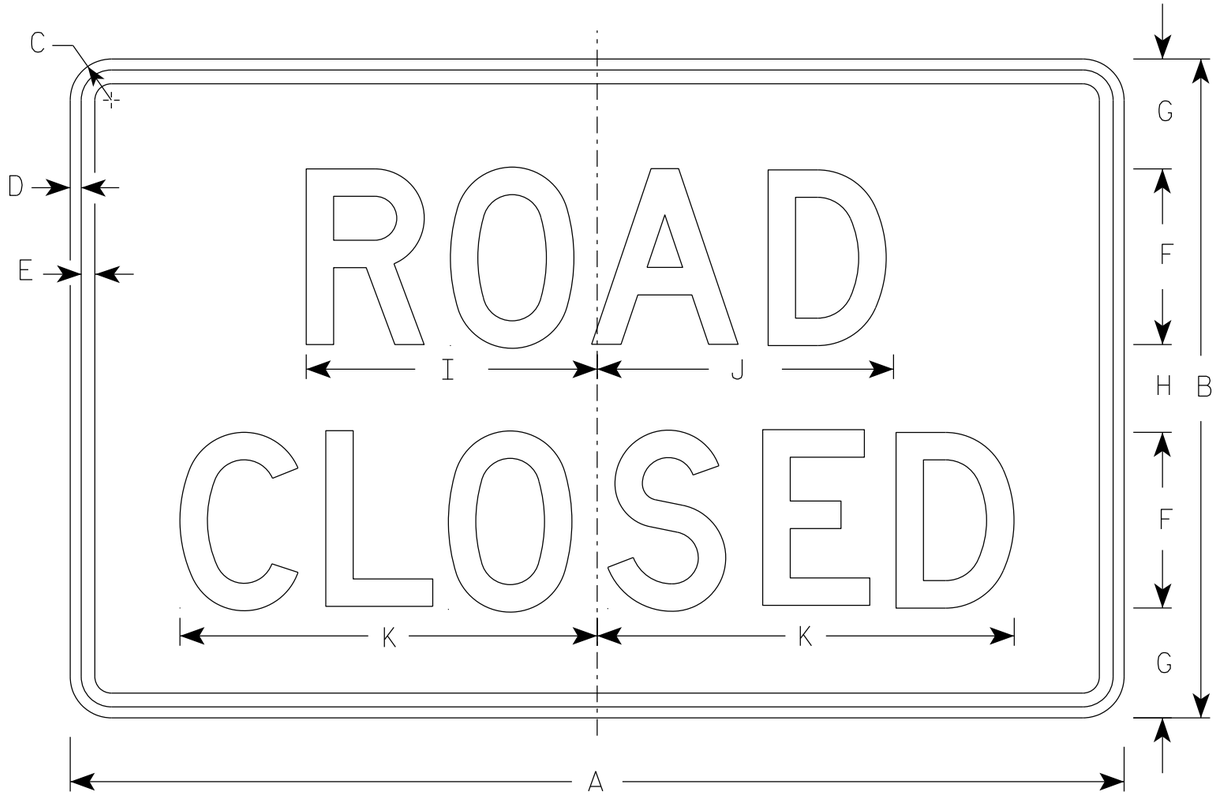
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M5-1.15

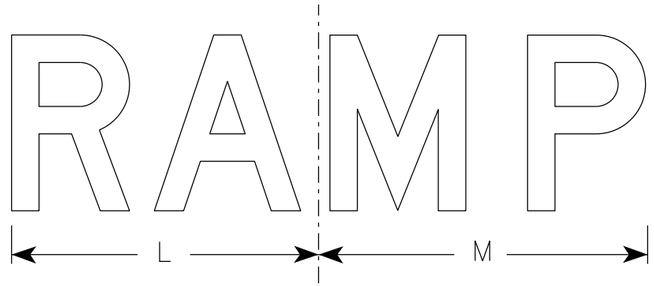
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 184 | E



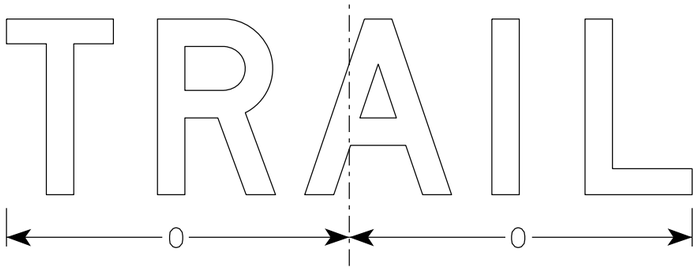
R11-2

NOTES

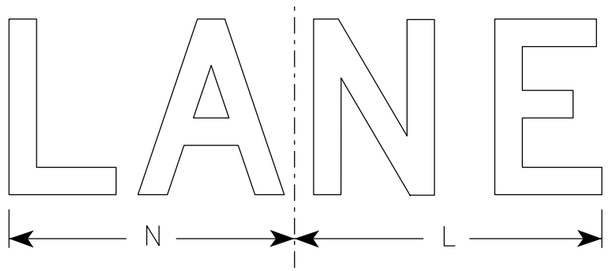
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the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



R11-2R



R11-2T



R11-2L

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	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
2M	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
3	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
4	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0
5	48	30	1 7/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13	15 5/8												10.0

STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

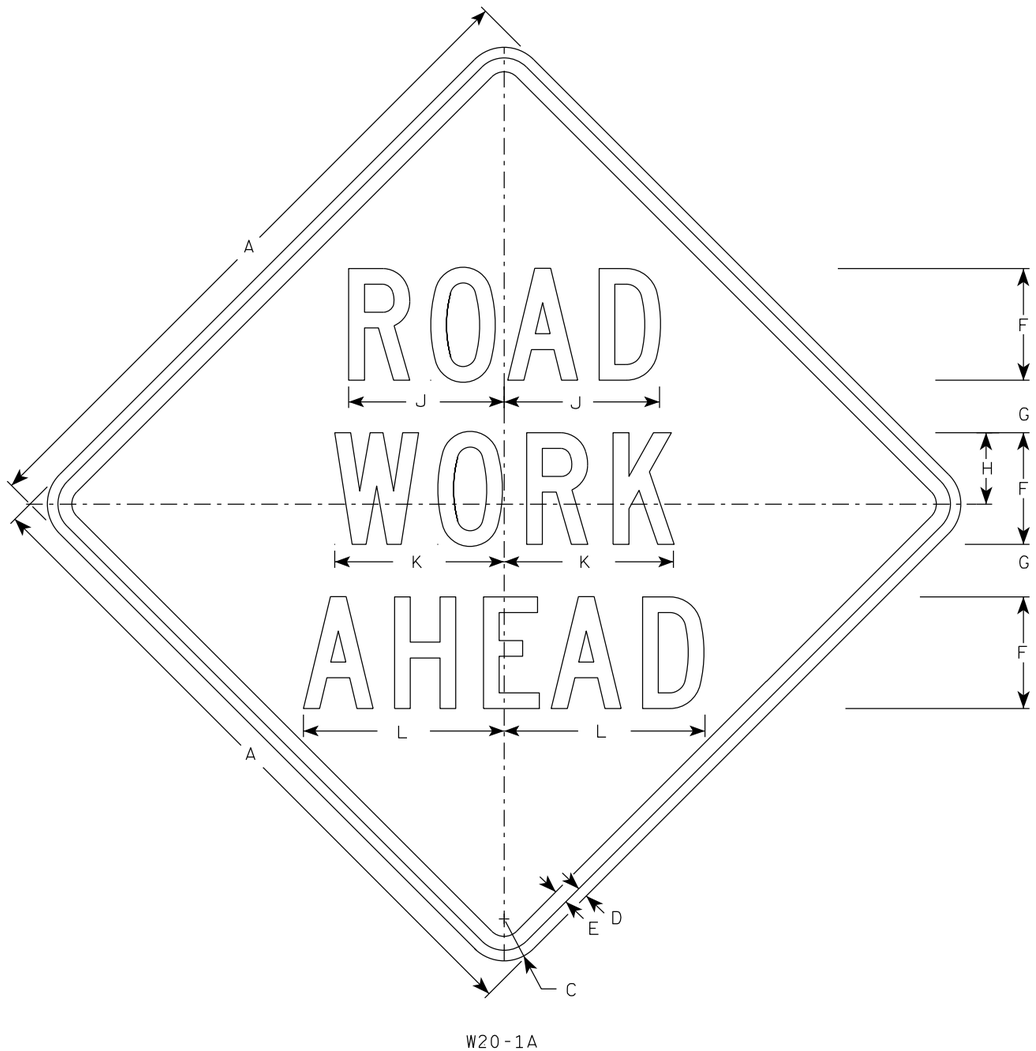
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-2.12

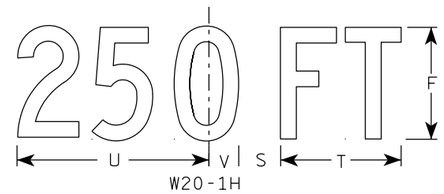
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R112.dgn PLOT DATE : 5-FEB 2024 2:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

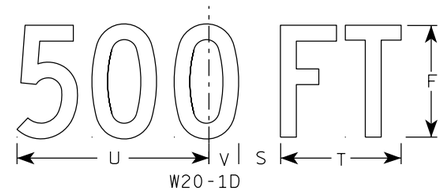
7



W20-1A



W20-1H



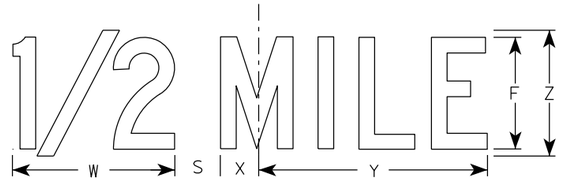
W20-1D

W20-1C

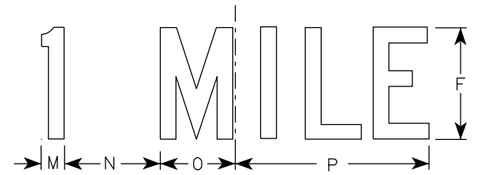
W20-1B

NOTES

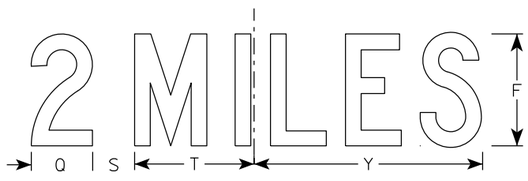
1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



W20-1G



W20-1F



W20-1E

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

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

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

PROJECT NO:

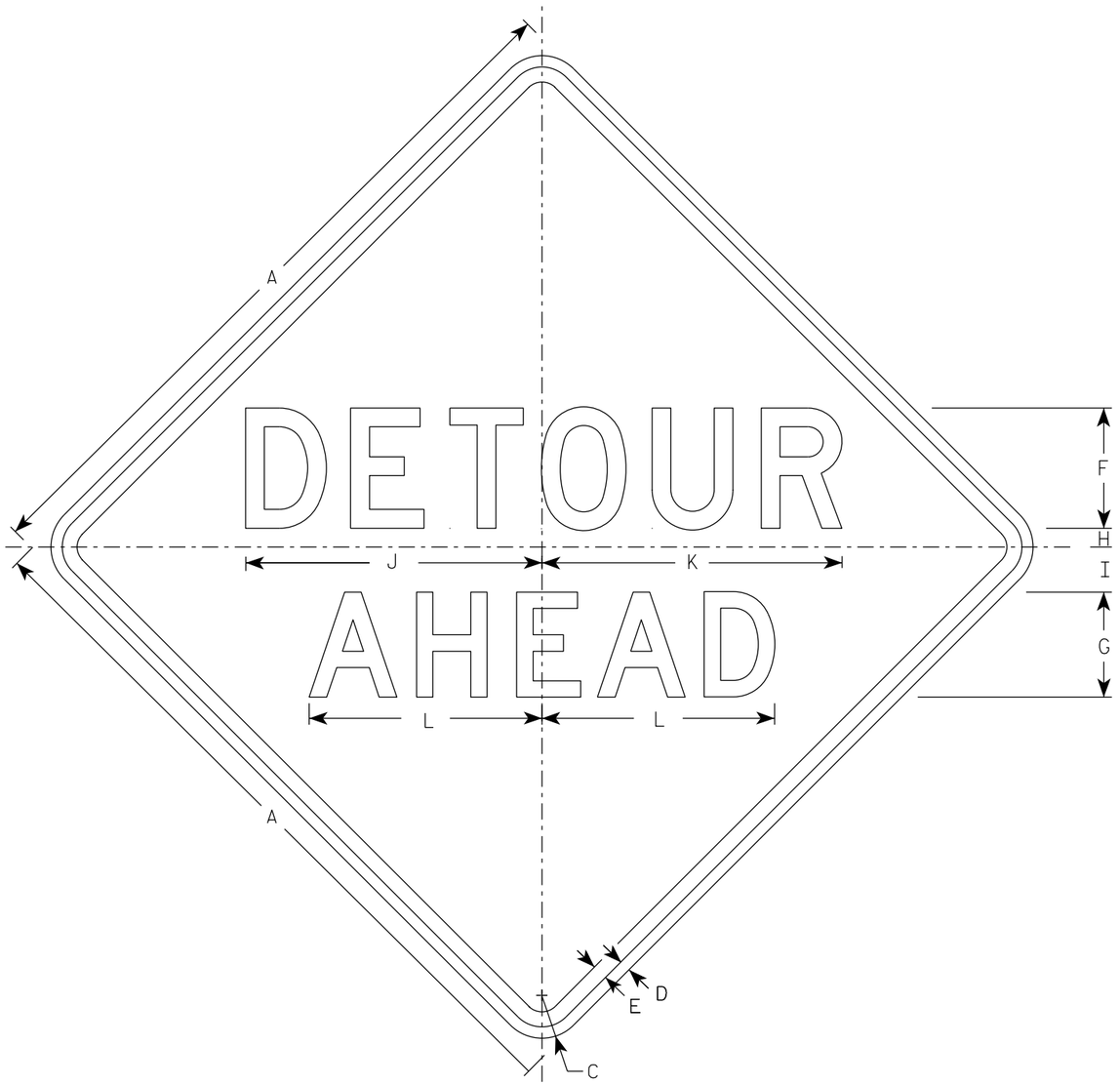
SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 10-JAN 2024 11:16 PLOT BY : dotc4c

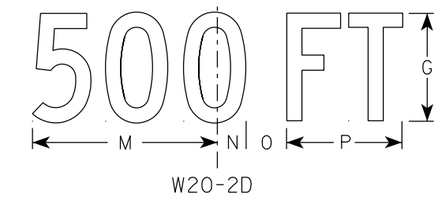
WISDOT/CADDS SHEET 42

7

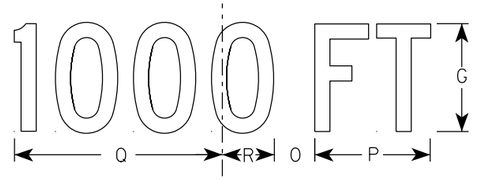
7



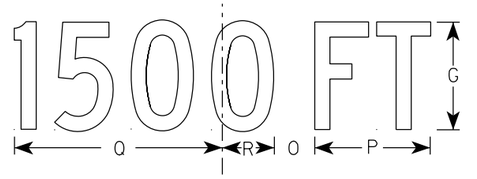
W20-2A



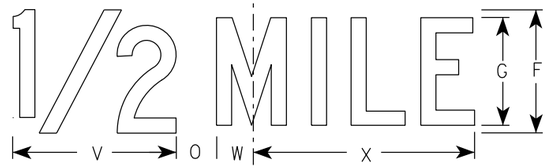
W20-2D



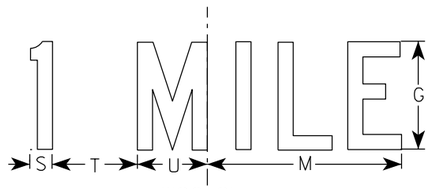
W20-2C



W20-2B



W20-2G



W20-2F

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

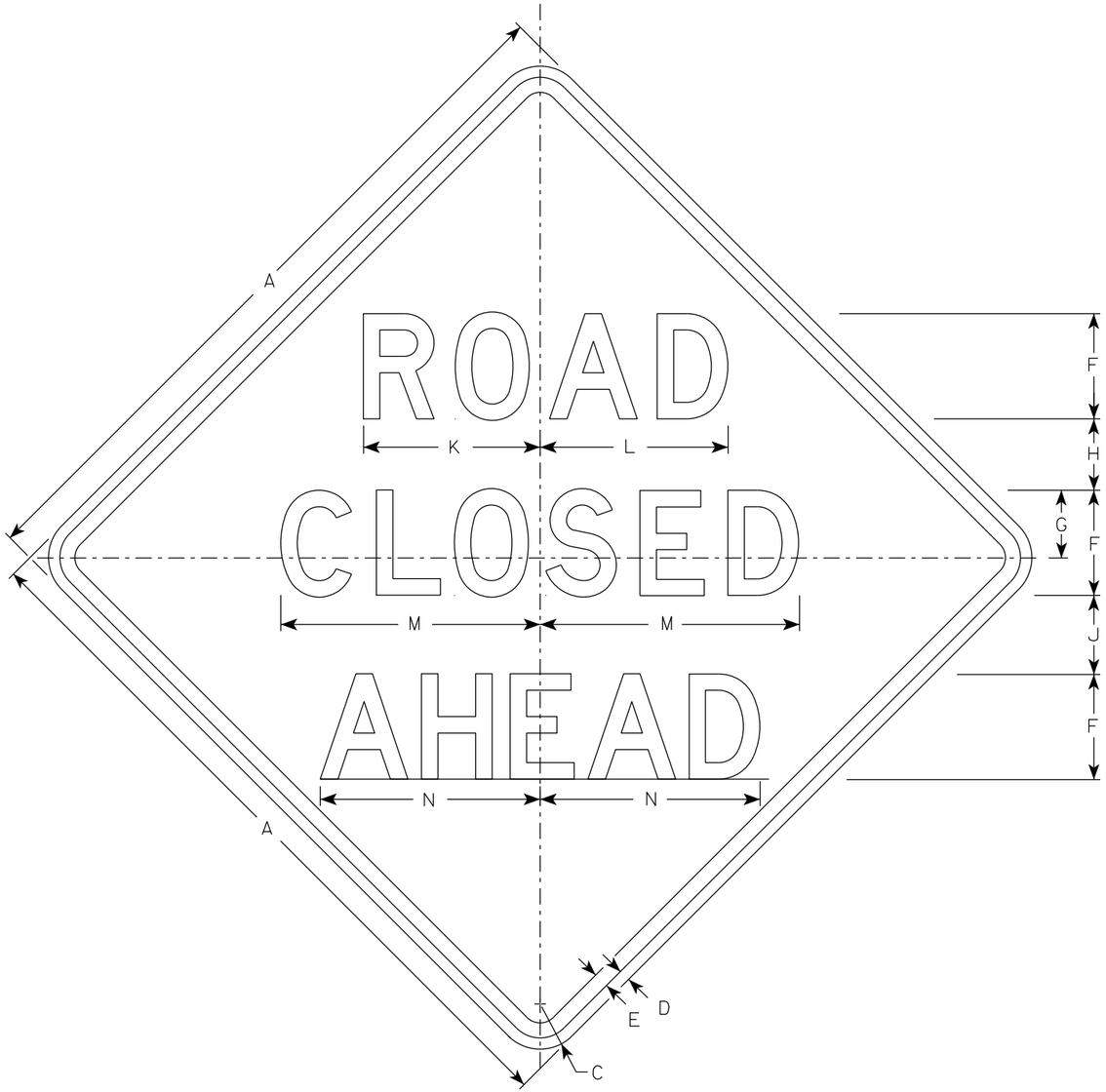
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

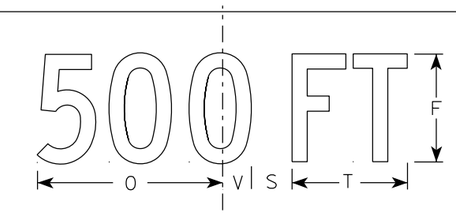
DATE 1/10/2024 PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: E

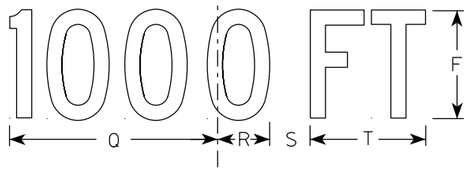
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W202.DGN PLOT DATE : 10-JAN 2024 11:36 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



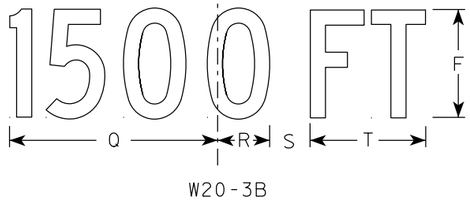
W20-3A



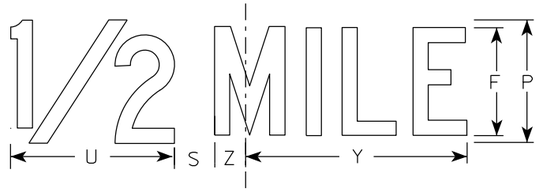
W20-3D



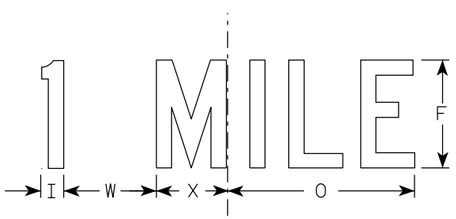
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

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

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

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

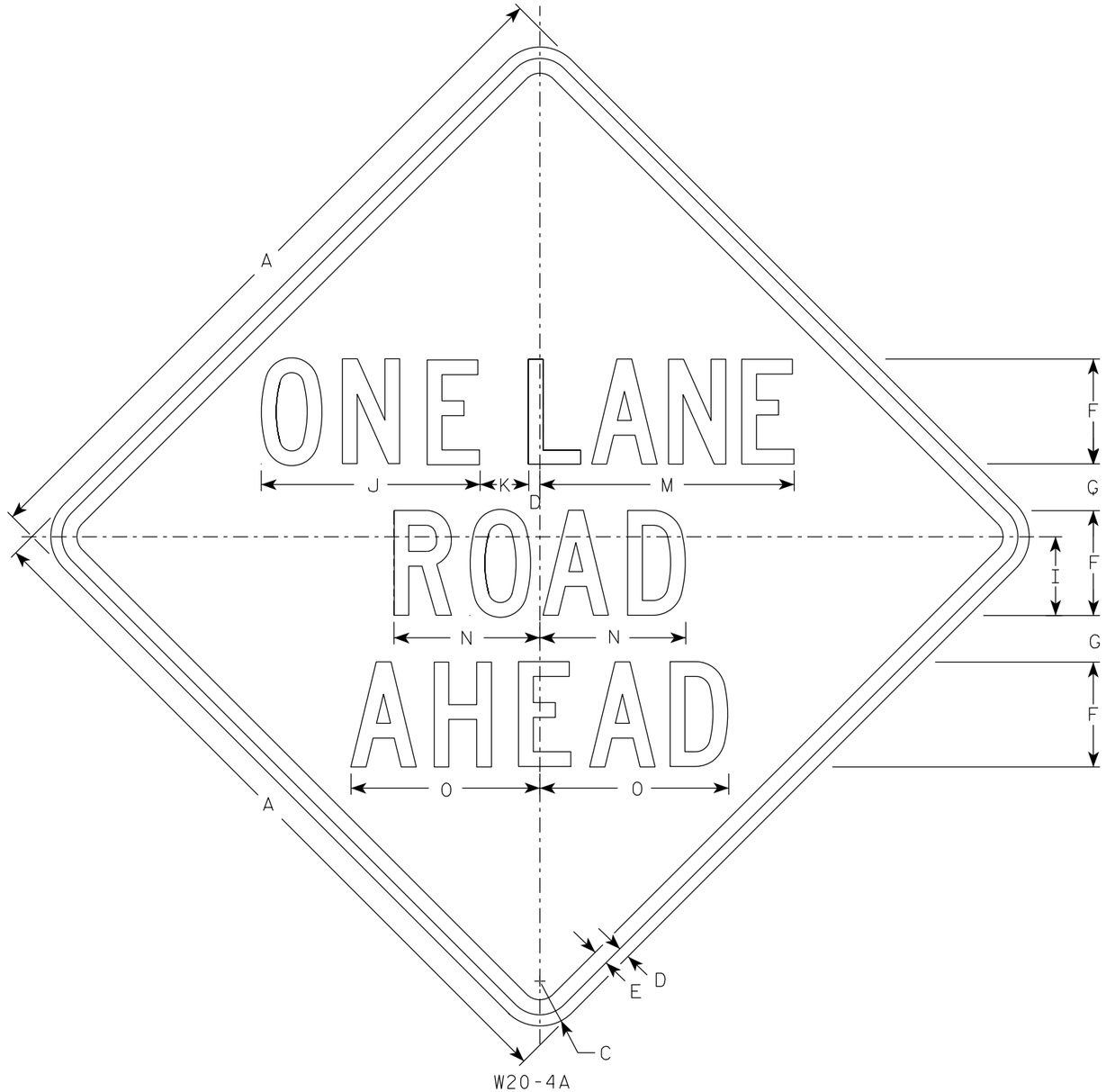
WISCONSIN DEPT OF TRANSPORTATION

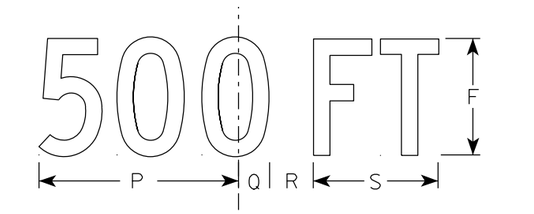
APPROVED Matthew R Rauch
for State Traffic Engineer

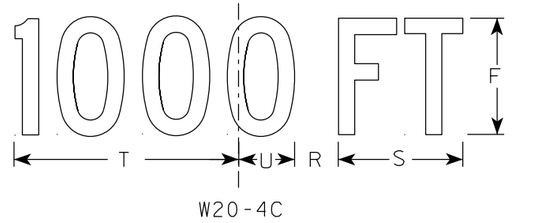
DATE 1/10/2024 PLATE NO. W20-3.8

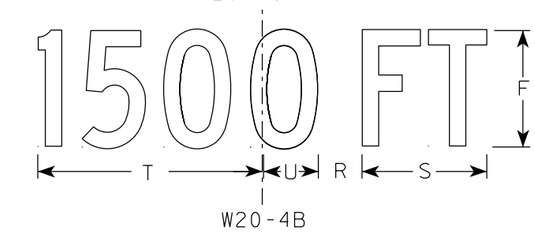
PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

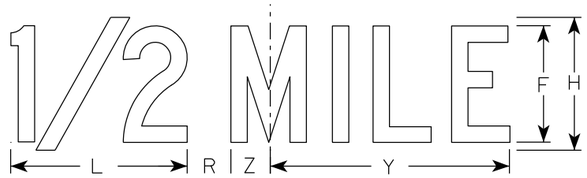
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W203.DGN PLOT DATE : 10-JAN 2024 12:02 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

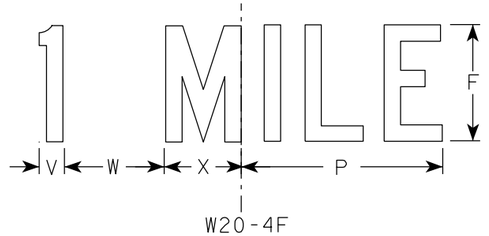












NOTES

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

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

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

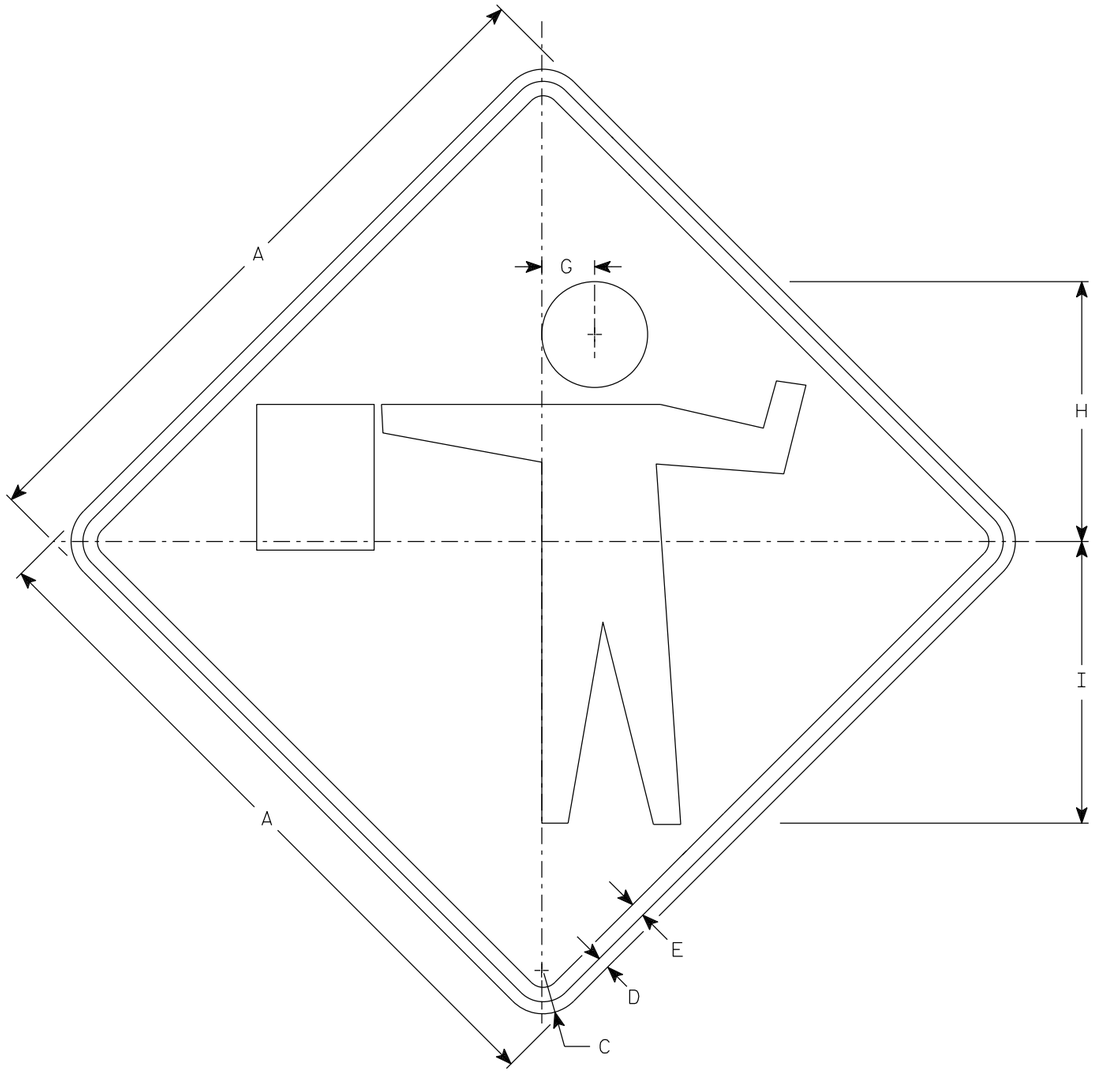
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-4.10

PROJECT NO:

SHEET NO: 189 E



W20-7A

NOTES

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4		2 3/4	13 1/2	14 5/8																		9.0
2S	48		3	3/4	1		3 3/4	18	19 1/2																		16.0
2M	48		3	3/4	1		3 3/4	18	19 1/2																		16.0
3	48		3	3/4	1		3 3/4	18	19 1/2																		16.0
4	48		3	3/4	1		3 3/4	18	19 1/2																		16.0
5	48		3	3/4	1		3 3/4	18	19 1/2																		16.0

STANDARD SIGN
W20-7A

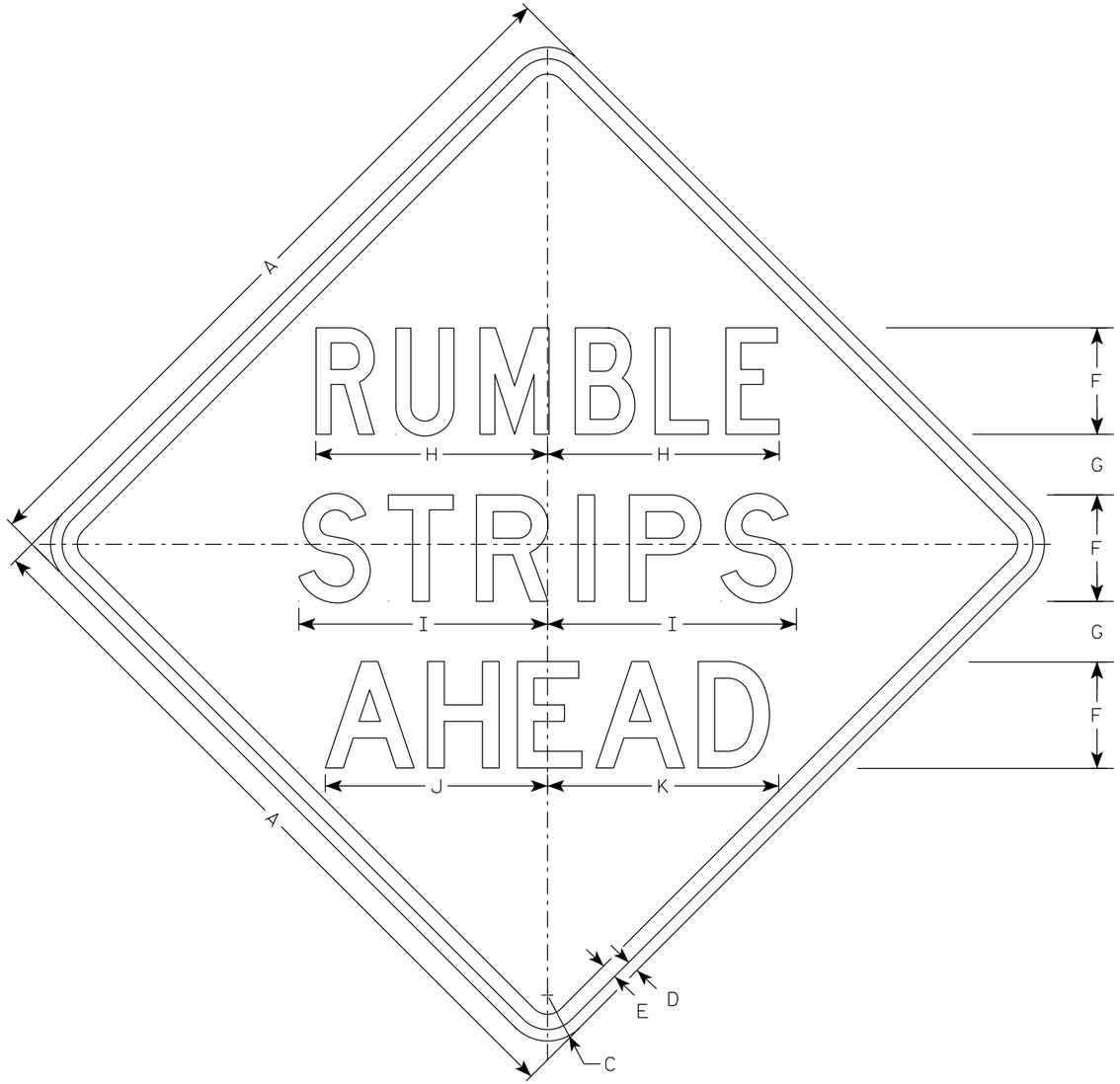
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-7A.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 190 E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W207.DGN PLOT DATE : 10-JAN 2024 2:15 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



W21-65

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 4
4. Line 1 is Series C
   Lines 2 and 3 are Series D

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

STANDARD SIGN
W21-65

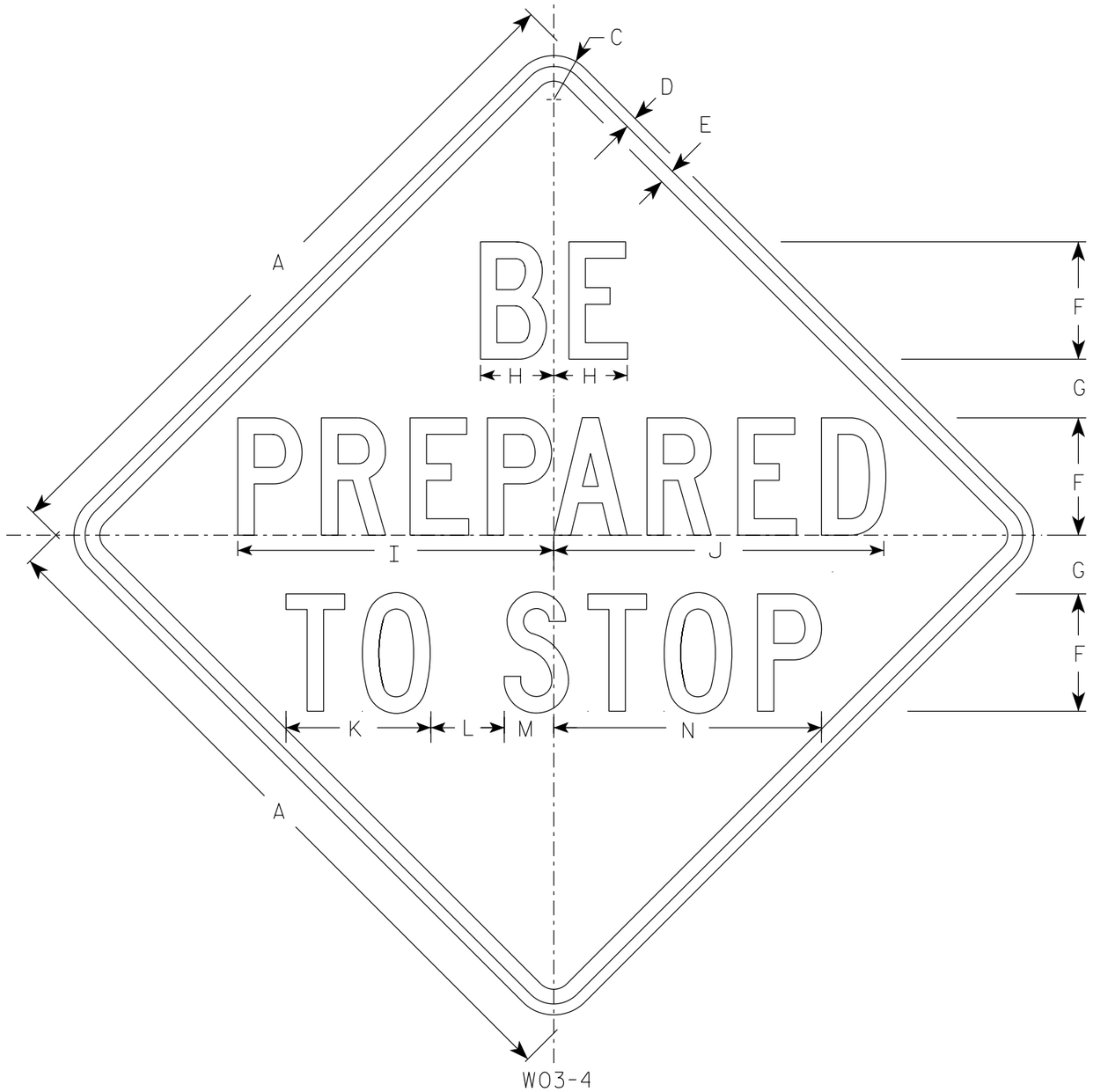
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/17/2024 PLATE NO. W21-65.2

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

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W2165.DGN PLOT DATE : 17-JAN 2024 1:35 PLOT BY : dotc4c PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42



NOTES

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

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

STANDARD SIGN
W03-4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/24/2024 PLATE NO. W03-4.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 192	E

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
22+14.93	2214.93	0.00	0.23	0.71	0	0	0	0	0
22+50.00	2250.00	35.07	0.63	0.27	1	1	1	1	0
22+82.92	2282.92	32.92	2.28	2.84	2	2	3	4	-1
23+00.00	2300.00	17.08	2.07	5.87	1	3	4	8	-4
23+32.22	2332.22	32.22	2.33	9.30	3	9	7	19	-12
23+57.00	2357.00	24.78	1.99	22.96	2	15	9	38	-29
23+81.87	2381.87	24.87	1.09	6.95	1	14	10	55	-45
24+00.00	2400.00	18.13	0.21	0.67	0	3	10	59	-49
24+45.00	2445.00	45.00	0.00	7.37	0	7	10	68	-58
24+50.00	2450.00	5.00	0.00	7.41	0	1	10	69	-59
25+00.00	2500.00	50.00	0.00	6.95	0	13	10	85	-75
25+50.00	2550.00	50.00	0.01	8.51	0	14	10	103	-93
26+00.00	2600.00	50.00	0.00	11.94	0	19	10	126	-116
26+50.00	2650.00	50.00	0.19	32.96	0	42	10	179	-169
26+84.00	2684.00	34.00	0.48	46.66	0	50	10	241	-231
27+00.00	2700.00	16.00	0.66	25.88	0	21	10	268	-258
27+09.00	2709.00	9.00	0.81	13.60	0	7	10	276	-266
27+33.00	2733.00	24.00	1.37	9.32	1	10	11	289	-278
27+50.00	2750.00	17.00	0.52	12.49	1	7	12	298	-286
27+83.00	2783.00	33.00	0.17	14.56	0	17	12	319	-307
28+00.00	2800.00	17.00	0.05	11.16	0	8	12	329	-317
28+51.00	2851.00	51.00	0.00	12.34	0	22	12	356	-344
29+00.00	2900.00	49.00	0.04	7.85	0	18	12	379	-367

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
65+54.00	6554.00	0.00	0.00	3.35	0	0	0	0	0
66+23.00	6623.00	69.00	0.16	5.07	0	11	0	14	-14
66+50.00	6650.00	27.00	0.02	8.16	0	7	0	23	-23
66+73.00	6673.00	23.00	0.00	3.66	0	5	0	29	-29
66+98.00	6698.00	25.00	0.00	5.60	0	4	0	34	-34
67+00.00	6700.00	2.00	0.00	6.27	0	0	0	34	-34
67+23.00	6723.00	23.00	0.00	19.00	0	11	0	48	-48
67+50.00	6750.00	27.00	0.00	7.57	0	13	0	64	-64
67+80.00	6780.00	30.00	0.09	3.69	0	6	0	71	-71
68+00.00	6800.00	20.00	0.33	1.74	0	2	0	74	-74
68+50.00	6850.00	50.00	1.17	0.07	1	2	1	76	-75
68+67.00	6867.00	17.00	1.50	0.18	1	0	2	76	-74
68+92.00	6892.00	25.00	1.61	0.11	1	0	3	76	-73
69+00.00	6900.00	8.00	1.75	0.13	0	0	3	76	-73
69+17.00	6917.00	17.00	1.43	1.82	1	1	4	78	-74
69+67.00	6967.00	50.00	0.56	4.05	2	5	6	84	-78
70+00.00	7000.00	33.00	0.20	2.42	0	4	6	89	-83
70+36.00	7036.00	36.00	0.03	1.73	0	3	6	93	-87
70+75.00	7075.00	39.00	0.05	1.80	0	3	6	96	-90
71+00.00	7100.00	25.00	0.09	1.57	0	2	6	99	-93
71+45.00	7145.00	45.00	0.32	0.16	0	1	6	100	-94
72+00.00	7200.00	55.00	0.47	4.37	1	5	7	106	-99
72+14.00	7214.00	14.00	0.13	9.02	0	3	7	110	-103
72+50.00	7250.00	36.00	0.00	11.66	0	14	7	128	-121
72+64.00	7264.00	14.00	0.00	7.98	0	5	7	134	-127
72+89.00	7289.00	25.00	0.00	19.90	0	13	7	150	-143
73+00.00	7300.00	11.00	0.00	20.88	0	8	7	160	-153
73+14.00	7314.00	14.00	0.00	7.73	0	7	7	169	-162
73+50.00	7350.00	36.00	0.04	2.23	0	7	7	178	-171
74+00.00	7400.00	50.00	0.19	1.84	0	4	7	183	-176
74+50.00	7450.00	50.00	0.41	3.22	1	5	8	189	-181
75+00.00	7500.00	50.00	0.09	3.94	0	7	8	198	-190
75+50.00	7550.00	50.00	0.00	11.02	0	14	8	215	-207
76+00.00	7600.00	50.00	0.36	6.47	0	16	8	235	-227
76+61.00	7661.00	61.00	0.46	3.94	1	12	9	250	-241
77+00.00	7700.00	39.00	0.26	0.79	1	3	10	254	-244
77+20.00	7720.00	20.00	0.24	1.17	0	1	10	255	-245
77+45.00	7745.00	25.00	0.22	1.11	0	1	10	256	-246
77+70.00	7770.00	25.00	0.01	2.54	0	2	10	259	-249
78+00.00	7800.00	30.00	0.30	7.71	0	6	10	266	-256
78+20.00	7820.00	20.00	0.31	11.71	0	7	10	275	-265
78+50.00	7850.00	30.00	0.00	6.88	0	10	10	288	-278
79+00.00	7900.00	50.00	0.15	0.74	0	7	10	296	-286

9

9

PROJECT NO: 8030-00-70 | HWY: STH 46 | COUNTY: POLK | EARTHWORK DATA | SHEET 193 | E

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
88+15.00	8815.00	0.00	0.00	1.60	0	0	0	0	0
88+50.00	8850.00	35.00	0.00	5.56	0	5	0	6	-6
88+84.00	8884.00	34.00	0.05	10.94	0	10	0	19	-19
89+00.00	8900.00	16.00	0.00	8.86	0	6	0	26	-26
89+34.00	8934.00	34.00	0.04	3.03	0	7	0	35	-35
89+59.00	8959.00	25.00	0.02	4.10	0	3	0	39	-39
89+84.00	8984.00	25.00	0.00	2.57	0	3	0	43	-43
90+00.00	9000.00	16.00	0.00	1.62	0	1	0	44	-44
90+50.00	9050.00	50.00	0.09	2.77	0	4	0	49	-49
91+00.00	9100.00	50.00	0.00	3.58	0	6	0	56	-56
91+50.00	9150.00	50.00	0.00	3.70	0	7	0	65	-65
92+00.00	9200.00	50.00	0.00	2.85	0	6	0	73	-73
92+50.00	9250.00	50.00	0.22	4.33	0	7	0	81	-81
93+00.00	9300.00	50.00	0.20	6.65	0	10	0	94	-94
93+21.00	9321.00	21.00	0.17	4.71	0	4	0	99	-99
93+50.00	9350.00	29.00	0.29	10.80	0	8	0	109	-109
93+90.00	9390.00	40.00	0.22	10.95	0	16	0	129	-129
94+00.00	9400.00	10.00	0.18	9.27	0	4	0	134	-134
94+20.00	9420.00	20.00	0.15	4.92	0	5	0	140	-140
94+40.00	9440.00	20.00	0.20	5.99	0	4	0	145	-145
94+50.00	9450.00	10.00	0.89	3.33	0	2	0	148	-148
94+65.00	9465.00	15.00	0.63	2.97	0	2	0	150	-150
94+90.00	9490.00	25.00	0.04	3.05	0	3	0	154	-154
95+00.00	9500.00	10.00	2.26	18.72	0	4	0	159	-159
95+15.00	9515.00	15.00	1.57	59.00	1	22	1	186	-185
95+40.00	9540.00	25.00	0.67	50.23	1	51	2	250	-248
95+50.00	9550.00	10.00	0.43	46.28	0	18	2	273	-271
95+90.00	9590.00	40.00	0.00	51.26	0	72	2	363	-361
96+00.00	9600.00	10.00	0.01	58.48	0	20	2	388	-386
96+50.00	9650.00	50.00	0.08	54.07	0	104	2	518	-516
96+59.00	9659.00	9.00	0.11	69.11	0	21	2	544	-542
96+84.00	9684.00	25.00	0.16	53.71	0	57	2	615	-613
97+00.00	9700.00	16.00	3.20	27.49	1	24	3	645	-642
97+09.00	9709.00	9.00	0.72	22.95	1	8	4	655	-651
97+50.00	9750.00	41.00	1.27	23.40	2	35	6	699	-693
97+59.00	9759.00	9.00	0.62	24.17	0	8	6	709	-703

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
112+57.03	11257.03	0.00	0.26	28.45	0	0	0	0	0
113+00.00	11300.00	42.97	0.05	32.09	0	48	0	60	-60
113+07.00	11307.00	7.00	0.04	33.43	0	8	0	70	-70
113+24.00	11324.00	17.00	0.02	40.90	0	23	0	99	-99
113+32.00	11332.00	8.00	0.01	42.11	0	12	0	114	-114
113+50.00	11350.00	18.00	0.00	36.29	0	26	0	146	-146
113+56.00	11356.00	6.00	0.00	31.94	0	8	0	156	-156
113+94.00	11394.00	38.00	32.61	25.77	23	41	23	208	-185
114+00.00	11400.00	6.00	31.34	24.70	7	6	30	215	-185
114+44.00	11444.00	44.00	32.78	14.02	52	32	82	255	-173
114+50.00	11450.00	6.00	32.50	11.65	7	3	89	259	-170
114+68.00	11468.00	18.00	32.07	7.36	22	6	111	266	-155
114+93.00	11493.00	25.00	23.29	13.36	26	10	137	279	-142
115+00.00	11500.00	7.00	50.41	0.92	10	2	147	281	-134
115+50.00	11550.00	50.00	42.60	0.40	86	1	233	283	-50
116+00.00	11600.00	50.00	45.59	0.26	82	1	315	284	31
116+50.00	11650.00	50.00	44.72	9.42	84	9	399	295	104
117+00.00	11700.00	50.00	45.29	15.86	83	23	482	324	158
117+50.00	11750.00	50.00	42.23	19.10	81	32	563	364	199
118+00.00	11800.00	50.00	39.69	23.45	76	39	639	413	227
118+20.00	11820.00	20.00	41.86	26.21	30	18	669	435	234
118+50.00	11850.00	30.00	39.63	20.50	45	26	714	468	247
119+00.00	11900.00	50.00	40.06	18.03	74	36	788	513	276
119+50.00	11950.00	50.00	38.55	17.39	73	33	861	554	307
120+00.00	12000.00	50.00	37.35	15.94	70	31	931	593	339
120+50.00	12050.00	50.00	34.71	13.96	67	28	998	628	371
121+00.00	12100.00	50.00	37.73	13.04	67	25	1,065	659	406
121+50.00	12150.00	50.00	38.40	0.76	70	13	1,135	675	460
122+00.00	12200.00	50.00	39.02	6.17	72	6	1,207	683	525
122+50.00	12250.00	50.00	42.64	0.95	76	7	1,283	691	592
122+62.00	12262.00	12.00	38.43	5.15	18	1	1,301	693	609
123+00.00	12300.00	38.00	53.35	1.24	65	4	1,366	698	669
123+36.00	12336.00	36.00	30.36	8.11	56	6	1,422	705	717
123+50.00	12350.00	14.00	31.34	7.29	16	4	1,438	710	728
123+86.00	12386.00	36.00	30.70	6.86	41	9	1,479	721	758
124+00.00	12400.00	14.00	30.13	8.73	16	4	1,495	726	769
124+36.00	12436.00	36.00	33.94	6.96	43	10	1,538	739	799
124+50.00	12450.00	14.00	37.02	4.17	18	3	1,556	743	814
124+91.00	12491.00	41.00	38.80	0.19	58	3	1,614	746	868
125+00.00	12500.00	9.00	39.34	0.16	13	0	1,627	746	881
125+41.00	12541.00	41.00	47.23	0.23	66	0	1,693	746	947
125+45.00	12545.00	4.00	47.59	0.65	7	0	1,700	746	954
125+50.00	12550.00	5.00	48.92	0.24	9	0	1,709	746	963
125+55.00	12555.00	5.00	46.39	0.24	9	0	1,718	746	972
125+77.00	12577.00	22.00	2.16	2.22	20	1	1,738	748	991
126+00.00	12600.00	23.00	1.12	0.48	1	1	1,739	749	990
126+02.00	12602.00	2.00	1.05	0.41	0	0	1,739	749	990
126+27.00	12627.00	25.00	0.87	0.96	1	1	1,740	750	990
126+50.00	12650.00	23.00	1.90	0.55	1	1	1,741	751	990

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PROJECT NO: 8030-00-70 | HWY: STH 46 | COUNTY: POLK | EARTHWORK DATA | SHEET 194 | E

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
133+56.00	13356.00	0.00	0.34	0.43	0	0	0	0	0
134+00.00	13400.00	44.00	0.08	2.55	0	2	0	3	-3
134+25.00	13425.00	25.00	0.19	4.48	0	3	0	6	-6
134+50.00	13450.00	25.00	0.20	3.06	0	3	0	10	-10
134+75.00	13475.00	25.00	1.09	2.92	1	3	1	14	-13
135+00.00	13500.00	25.00	0.18	5.38	1	4	2	19	-17
135+25.00	13525.00	25.00	0.17	4.86	0	5	2	25	-23
135+50.00	13550.00	25.00	0.44	3.50	0	4	2	30	-28
135+61.00	13561.00	11.00	0.71	3.19	0	1	2	31	-29
136+00.00	13600.00	39.00	1.26	9.18	1	9	3	43	-40
136+30.00	13630.00	30.00	1.22	12.71	1	12	4	58	-54
136+50.00	13650.00	20.00	1.15	5.25	1	7	5	66	-61
136+80.00	13680.00	30.00	1.03	3.09	1	5	6	73	-67
137+00.00	13700.00	20.00	0.92	35.95	1	14	7	90	-83
137+05.00	13705.00	5.00	0.89	43.92	0	7	7	99	-92
137+30.00	13730.00	25.00	0.82	39.97	1	39	8	148	-140
137+50.00	13750.00	20.00	0.87	1.69	1	15	9	166	-157
138+00.00	13800.00	50.00	1.07	34.12	2	33	11	208	-197
138+50.00	13850.00	50.00	0.91	11.52	2	42	13	260	-247
139+00.00	13900.00	50.00	0.65	5.97	1	16	14	280	-266
139+50.00	13950.00	50.00	0.41	4.67	1	10	15	293	-278
140+00.00	14000.00	50.00	0.05	1.72	0	6	15	300	-285
140+36.00	14036.00	36.00	0.00	8.40	0	7	15	309	-294
140+50.00	14050.00	14.00	0.00	13.15	0	6	15	316	-301
140+61.00	14061.00	11.00	0.00	16.54	0	6	15	324	-309
140+86.00	14086.00	25.00	0.02	16.51	0	15	15	343	-328
141+00.00	14100.00	14.00	0.02	14.25	0	8	15	353	-338
141+36.00	14136.00	36.00	0.26	10.40	0	16	15	373	-358
141+50.00	14150.00	14.00	0.39	8.97	0	5	15	379	-364
141+81.00	14181.00	31.00	1.83	5.73	1	8	16	389	-373
142+00.00	14200.00	19.00	2.48	4.09	2	3	18	393	-375
142+05.00	14205.00	5.00	2.66	3.69	0	1	18	394	-376
142+06.00	14206.00	1.00	2.68	3.65	0	0	18	394	-376
142+31.00	14231.00	25.00	2.73	6.88	3	5	21	400	-379
142+50.00	14250.00	19.00	2.12	7.85	2	5	23	406	-383
142+75.00	14275.00	25.00	1.37	9.83	2	8	25	416	-391
142+81.00	14281.00	6.00	1.28	6.79	0	2	25	419	-394
143+50.00	14350.00	69.00	1.11	0.14	3	9	28	430	-402

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT	EXPANDED FILL	MASS ORDINATE
							1.00	1.25	
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
151+15.00	15115.00	0.00	0.12	7.95	0	0	0	0	0
151+50.00	15150.00	35.00	0.69	13.49	1	14	1	18	-17
151+58.00	15158.00	8.00	0.96	14.87	0	4	1	23	-22
151+84.00	15184.00	26.00	1.93	19.70	1	17	2	44	-42
152+00.00	15200.00	16.00	1.95	22.55	1	13	3	60	-57
152+27.00	15227.00	27.00	3.14	21.70	3	22	6	88	-82
152+34.00	15234.00	7.00	3.49	16.58	1	5	7	94	-87
152+50.00	15250.00	16.00	4.34	25.26	2	12	9	109	-100
152+59.00	15259.00	9.00	4.47	37.98	1	11	10	123	-113
152+77.00	15277.00	18.00	4.05	42.56	3	27	13	156	-143
152+84.00	15284.00	7.00	3.43	42.06	1	11	14	170	-156
153+00.00	15300.00	16.00	3.93	5.10	2	14	16	188	-172
153+02.00	15302.00	2.00	3.88	4.49	0	0	16	188	-172
153+27.00	15327.00	25.00	2.23	1.39	3	3	19	191	-172
153+50.00	15350.00	23.00	1.27	2.54	1	2	20	194	-174
154+00.00	15400.00	50.00	0.49	4.33	2	6	22	201	-179
154+50.00	15450.00	50.00	0.26	5.18	1	9	23	213	-190
154+71.00	15471.00	21.00	0.55	8.76	0	5	23	219	-196
154+96.00	15496.00	25.00	0.65	24.06	1	15	24	238	-214
155+00.00	15500.00	4.00	0.79	22.84	0	3	24	241	-217
155+21.00	15521.00	21.00	0.91	28.70	1	20	25	266	-241
155+50.00	15550.00	29.00	0.30	38.11	1	36	26	311	-285
155+71.00	15571.00	21.00	0.16	57.06	0	37	26	358	-332
156+00.00	15600.00	29.00	0.02	63.50	0	65	26	439	-413
156+40.00	15640.00	40.00	0.03	38.56	0	76	26	534	-508
156+50.00	15650.00	10.00	0.04	34.12	0	13	26	550	-524
157+00.00	15700.00	50.00	0.29	13.20	0	44	26	605	-579
157+50.00	15750.00	50.00	0.00	13.30	0	25	26	636	-610
158+00.00	15800.00	50.00	0.02	3.00	0	15	26	655	-629
158+50.00	15850.00	50.00	0.00	3.93	0	6	26	663	-637
159+00.00	15900.00	50.00	0.00	1.20	0	5	26	669	-643
159+28.00	15928.00	28.00	0.25	1.47	0	1	26	670	-644
159+50.00	15950.00	22.00	0.37	1.66	0	1	26	671	-645
159+53.00	15953.00	3.00	0.38	1.63	0	0	26	671	-645
159+63.00	15963.00	10.00	0.43	2.71	0	1	26	673	-647
159+78.00	15978.00	15.00	0.00	67.40	0	19	26	696	-670
160+00.00	16000.00	22.00	0.00	70.45	0	56	26	766	-740
160+28.00	16028.00	28.00	0.00	45.35	0	60	26	841	-815
160+97.00	16097.00	69.00	1.19	0.22	2	58	28	914	-886

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PROJECT NO: 8030-00-70 | HWY: STH 46 | COUNTY: POLK | EARTHWORK DATA | SHEET 195 | E

STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
181+82.00	18182.00	0.00	0.44	0.31	0	0	0	0	0
182+00.00	18200.00	18.00	0.50	0.47	0	0	0	0	0
182+51.00	18251.00	51.00	0.28	12.69	1	12	1	15	-14
183+01.00	18301.00	50.00	0.26	22.11	1	32	2	55	-53
183+26.00	18326.00	25.00	0.27	34.13	0	26	2	88	-86
183+50.00	18350.00	24.00	0.31	2.70	0	16	2	108	-106
183+51.00	18351.00	1.00	0.31	2.36	0	0	2	108	-106
184+00.00	18400.00	49.00	0.20	0.50	0	3	2	111	-109
184+50.00	18450.00	50.00	0.13	0.94	0	1	2	113	-111
185+00.00	18500.00	50.00	0.06	1.24	0	2	2	115	-113
185+50.00	18550.00	50.00	0.05	1.46	0	2	2	118	-116
186+00.00	18600.00	50.00	0.05	0.93	0	2	2	120	-118
186+50.00	18650.00	50.00	0.01	0.57	0	1	2	121	-119
187+00.00	18700.00	50.00	0.12	0.42	0	1	2	123	-121
187+25.00	18725.00	25.00	0.02	1.42	0	1	2	124	-122
187+50.00	18750.00	25.00	0.00	14.37	0	7	2	133	-131
187+57.00	18757.00	7.00	0.00	12.09	0	3	2	136	-134
187+82.00	18782.00	25.00	0.00	66.82	0	37	2	183	-181
188+00.00	18800.00	18.00	0.00	72.81	0	47	2	241	-239
188+07.00	18807.00	7.00	0.00	52.38	0	16	2	261	-259
188+50.00	18850.00	43.00	0.20	12.56	0	52	2	326	-324
188+57.00	18857.00	7.00	0.27	6.75	0	3	2	330	-328
189+00.00	18900.00	43.00	0.58	0.71	1	6	3	338	-335
189+26.00	18926.00	26.00	0.73	0.49	1	1	4	339	-335

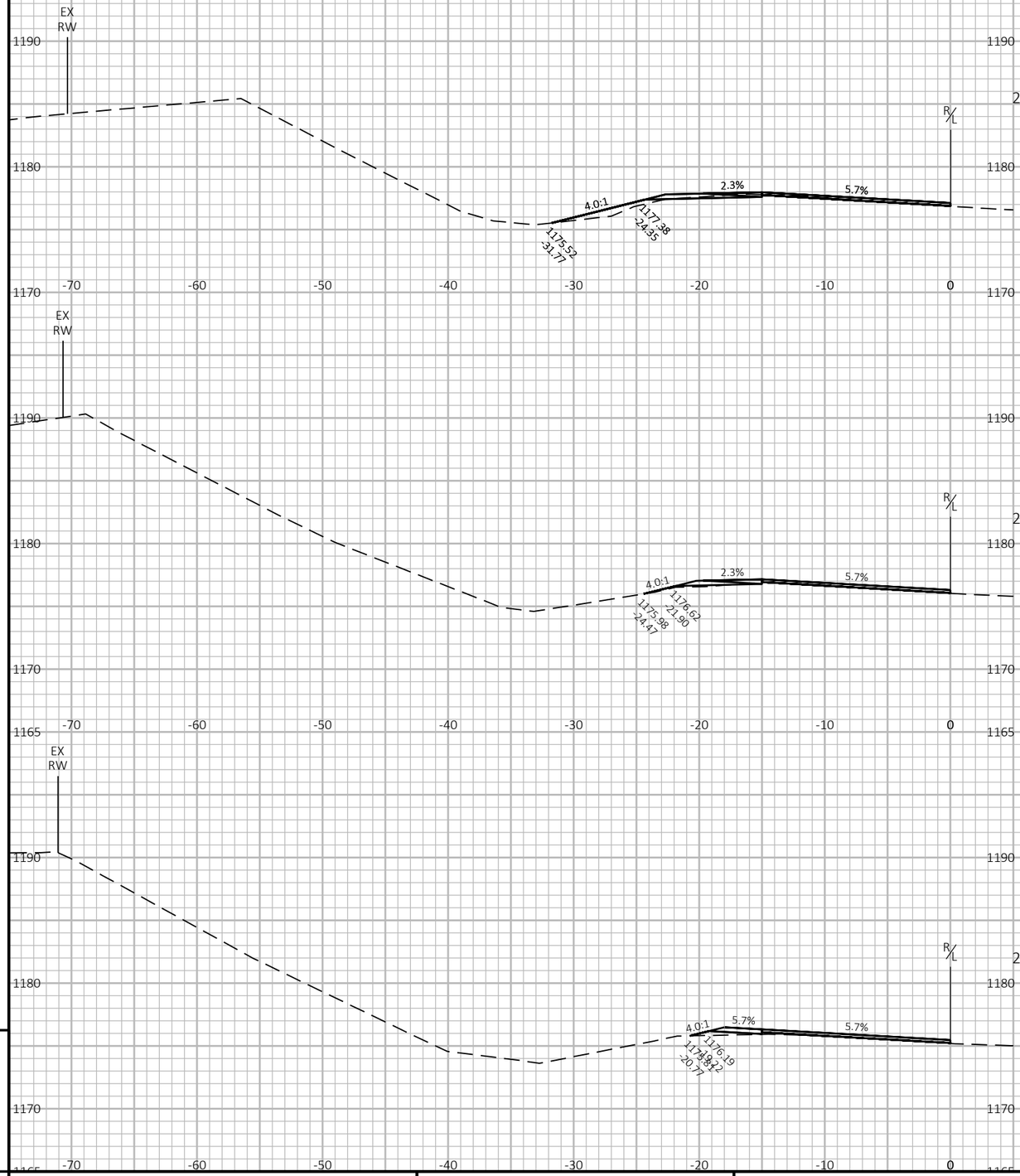
STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
201+44.00	20144.00	0.00	1.98	1.84	0	0	0	0	0
201+46.00	20146.00	2.00	1.93	1.92	0	0	0	0	0
201+50.00	20150.00	4.00	1.91	2.09	0	0	0	0	0
202+00.00	20200.00	50.00	2.42	10.42	4	12	4	15	-11
202+14.21	20214.21	14.21	2.71	10.29	1	5	5	21	-16
202+15.00	20215.00	0.79	2.71	10.33	0	0	5	21	-16
202+50.00	20250.00	35.00	1.46	10.26	3	13	8	38	-30
202+64.00	20264.00	14.00	1.98	10.75	1	5	9	44	-35
202+64.00	20264.00	0.00	0.00	0.00	0	0	9	44	-35
202+89.00	20289.00	25.00	3.35	7.14	2	3	11	48	-37
202+91.00	20291.00	2.00	3.49	7.90	0	1	11	49	-38
203+00.00	20300.00	9.00	3.81	9.49	1	3	12	53	-41
203+14.00	20314.00	14.00	3.98	15.53	2	6	14	60	-46
203+15.00	20315.00	1.00	3.99	14.57	0	1	14	61	-47
203+50.00	20350.00	35.00	2.82	50.28	4	42	18	114	-96
204+00.00	20400.00	50.00	0.88	71.64	3	113	21	255	-234
204+50.00	20450.00	50.00	2.41	50.12	3	113	24	396	-372
205+00.00	20500.00	50.00	4.97	38.06	7	82	31	499	-468
205+50.00	20550.00	50.00	0.34	45.50	5	77	36	595	-559
205+86.00	20586.00	36.00	0.47	49.97	1	64	37	675	-638
206+00.00	20600.00	14.00	0.48	46.39	0	25	37	706	-669
206+50.00	20650.00	50.00	0.58	29.37	1	70	38	794	-756
207+00.00	20700.00	50.00	0.71	137.02	1	154	39	986	-947
207+25.00	20725.00	25.00	1.12	80.44	1	101	40	1,113	-1,073
207+50.00	20750.00	25.00	1.31	101.93	1	84	41	1,218	-1,177
207+53.00	20753.00	3.00	1.36	95.35	0	11	41	1,231	-1,190
207+76.00	20776.00	23.00	2.73	106.63	2	86	43	1,339	-1,296
207+78.00	20778.00	2.00	3.06	87.92	0	7	43	1,348	-1,305
208+00.00	20800.00	22.00	1.52	12.18	2	41	45	1,399	-1,354
208+02.00	20802.00	2.00	1.58	14.35	0	1	45	1,400	-1,355
208+42.00	20842.00	40.00	0.00	13.95	1	21	46	1,426	-1,380
208+50.00	20850.00	8.00	0.00	11.15	0	4	46	1,431	-1,385

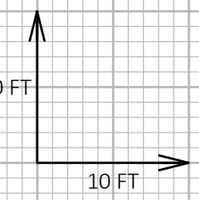
STATION	REAL STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		
			CUT	FILL	CUT	FILL	CUT 1.00	EXPANDED FILL 1.25	MASS ORDINATE
					NOTE 1	NOTE 3	NOTE 1		NOTE 8
296+06.00	29606.00	0.00	0.91	0.57	0	0	0	0	0
296+50.00	29650.00	44.00	1.27	0.08	2	1	2	1	1
296+95.00	29695.00	45.00	0.33	5.04	1	4	3	6	-3
297+00.00	29700.00	5.00	0.28	5.54	0	1	3	8	-5
297+13.00	29713.00	13.00	2.31	6.88	1	3	4	11	-7
297+25.00	29725.00	12.00	1.97	5.35	1	3	5	15	-10
297+50.00	29750.00	25.00	1.63	1.73	2	3	7	19	-12
297+58.00	29758.00	8.00	1.27	1.65	0	1	7	20	-13
297+78.00	29778.00	20.00	0.74	3.10	1	2	8	23	-15
298+00.00	29800.00	22.00	0.89	5.35	1	3	9	26	-17
298+02.00	29802.00	2.00	0.92	5.44	0	0	9	26	-17
298+17.00	29817.00	15.00	1.24	2.91	1	2	10	29	-19
298+47.00	29847.00	30.00	2.95	0.73	2	2	12	31	-19
298+50.00	29850.00	3.00	3.12	0.66	0	0	12	31	-19
299+00.00	29900.00	50.00	2.71	1.08	5	2	17	34	-17
299+50.00	29950.00	50.00	3.61	2.41	6	3	23	38	-15
300+00.00	30000.00	50.00	2.26	1.04	5	3	28	41	-13
300+50.00	30050.00	50.00	3.37	9.58	5	10	33	54	-21
301+00.00	30100.00	50.00	4.48	23.46	7	31	40	93	-53
301+50.00	30150.00	50.00	2.72	35.91	7	55	47	161	-114
302+00.00	30200.00	50.00	0.00	59.55	3	88	50	271	-221
302+50.00	30250.00	50.00	0.01	47.37	0	99	50	395	-345
303+00.00	30300.00	50.00	0.01	54.65	0	94	50	513	-463
303+50.00	30350.00	50.00	0.02	60.98	0	107	50	646	-596
303+97.00	30397.00	47.00	0.04	60.40	0	106	50	779	-729
304+00.00	30400.00	3.00	0.05	63.73	0	7	50	788	-738
304+50.00	30450.00	50.00	0.12	56.28	0	111	50	926	-876
305+00.00	30500.00	50.00	0.09	14.13	0	65	50	1,008	-958
305+50.00	30550.00	50.00	0.10	17.94	0	30	50	1,045	-995
306+00.00	30600.00	50.00	0.04	11.49	0	27	50	1,079	-1,029
306+39.00	30639.00	39.00	0.01	5.79	0	12	50	1,094	-1,044
306+50.00	30650.00	11.00	0.01	2.00	0	2	50	1,096	-1,046
306+64.00	30664.00	14.00	0.00	2.74	0	1	50	1,098	-1,048
306+89.00	30689.00	25.00	0.11	8.47	0	5	50	1,104	-1,054
307+00.00	30700.00	11.00	0.57	0.31	0	2	50	1,106	-1,056
307+19.00	30719.00	19.00	0.00	1.13	0	1	50	1,108	-1,058
307+50.00	30750.00	31.00	0.00	3.20	0	2	50	1,110	-1,060
308+00.00	30800.00	50.00	0.02	0.87	0	4	50	1,115	-1,065

9

9

PROJECT NO: 8030-00-70 | HWY: STH 46 | COUNTY: POLK | EARTHWORK DATA | SHEET 196 | E





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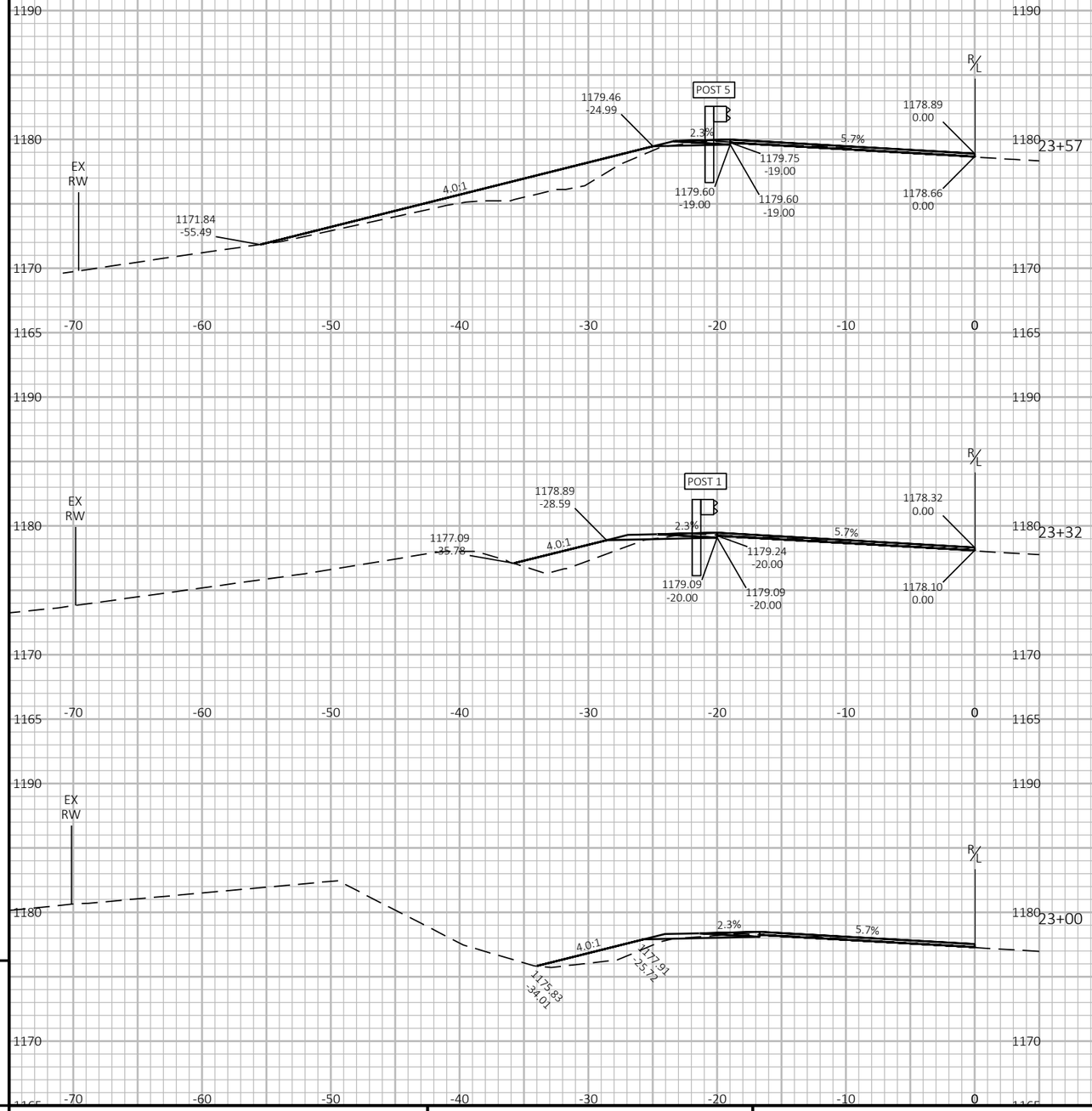
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 197	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 001

PLOT DATE : 10/21/2025 1:26 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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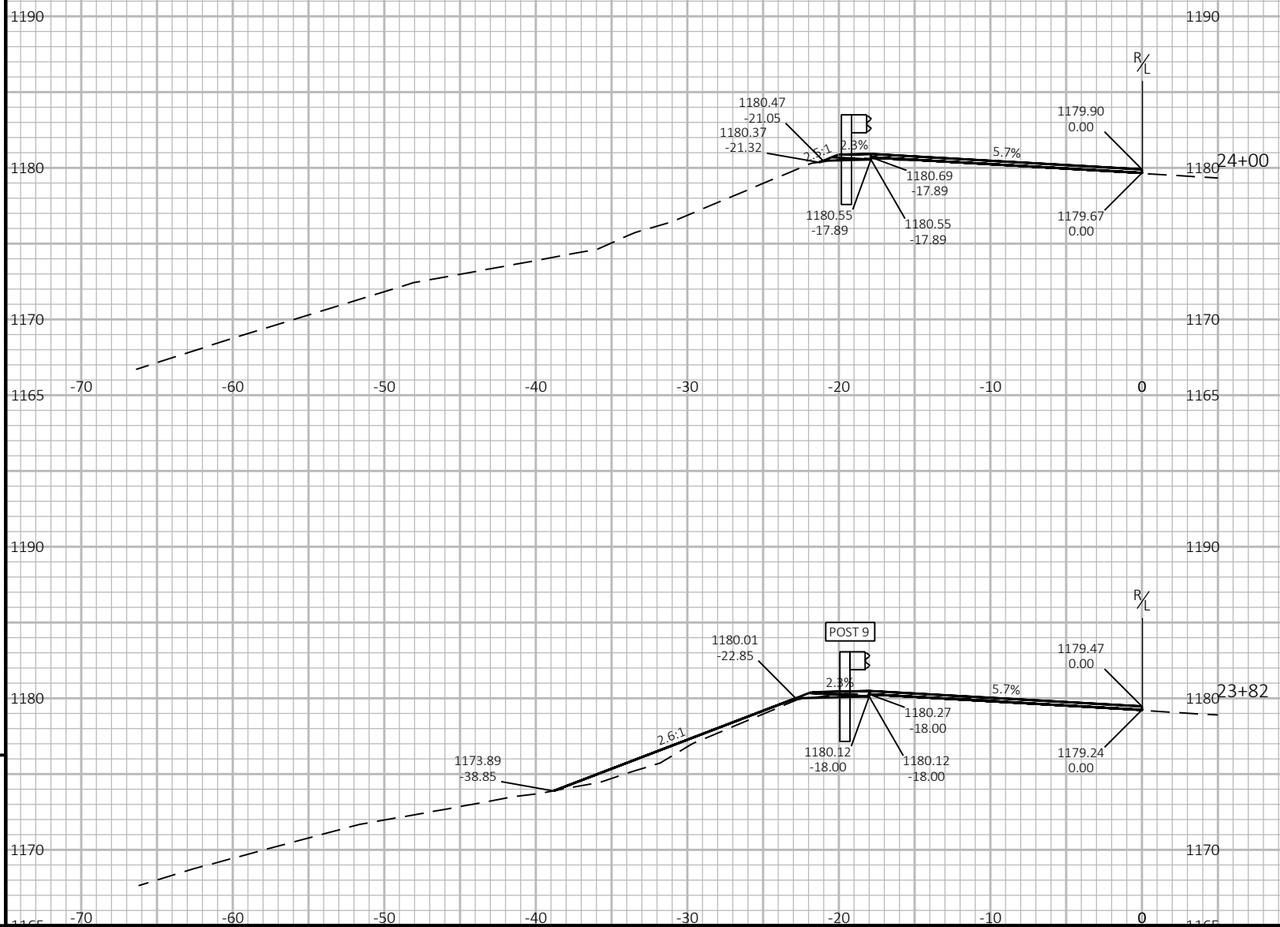
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 198	E

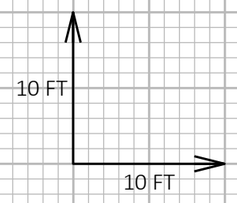
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 002

PLOT DATE : 10/21/2025 1:27 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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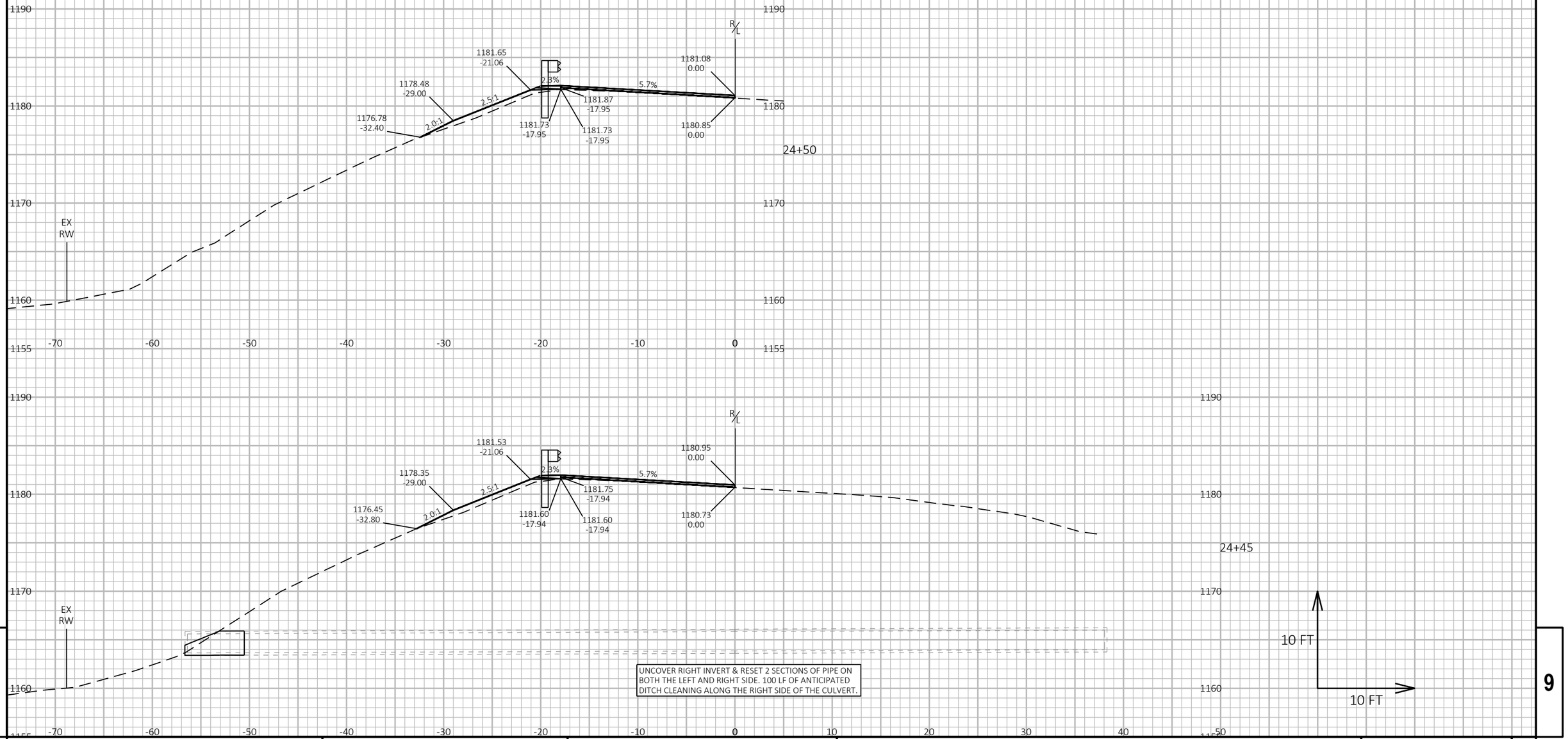
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 199	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 003

PLOT DATE : 10/21/2025 1:27 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES

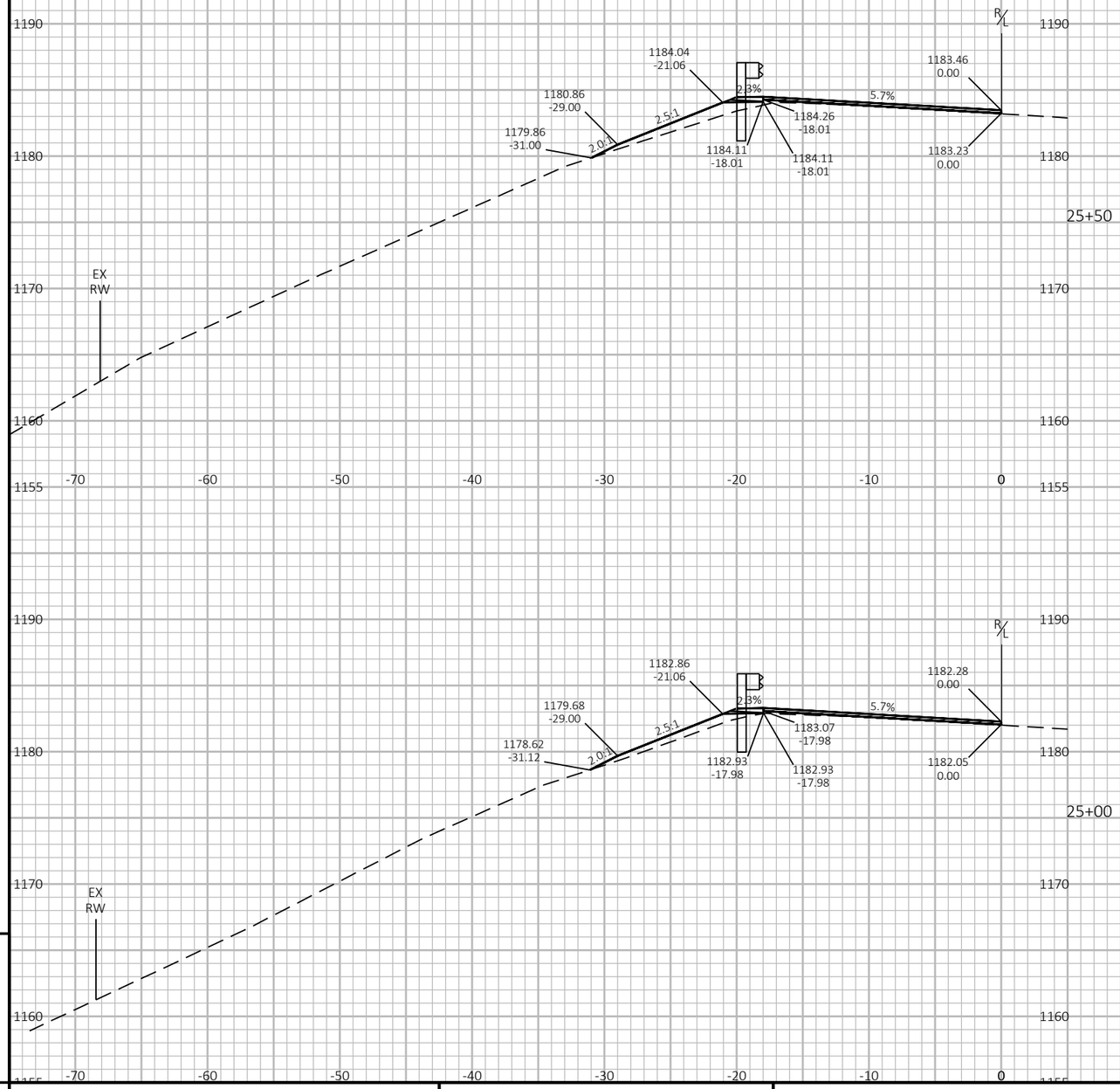


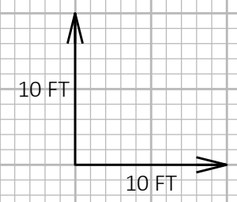
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 200	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 004

PLOT DATE : 10/21/2025 1:27 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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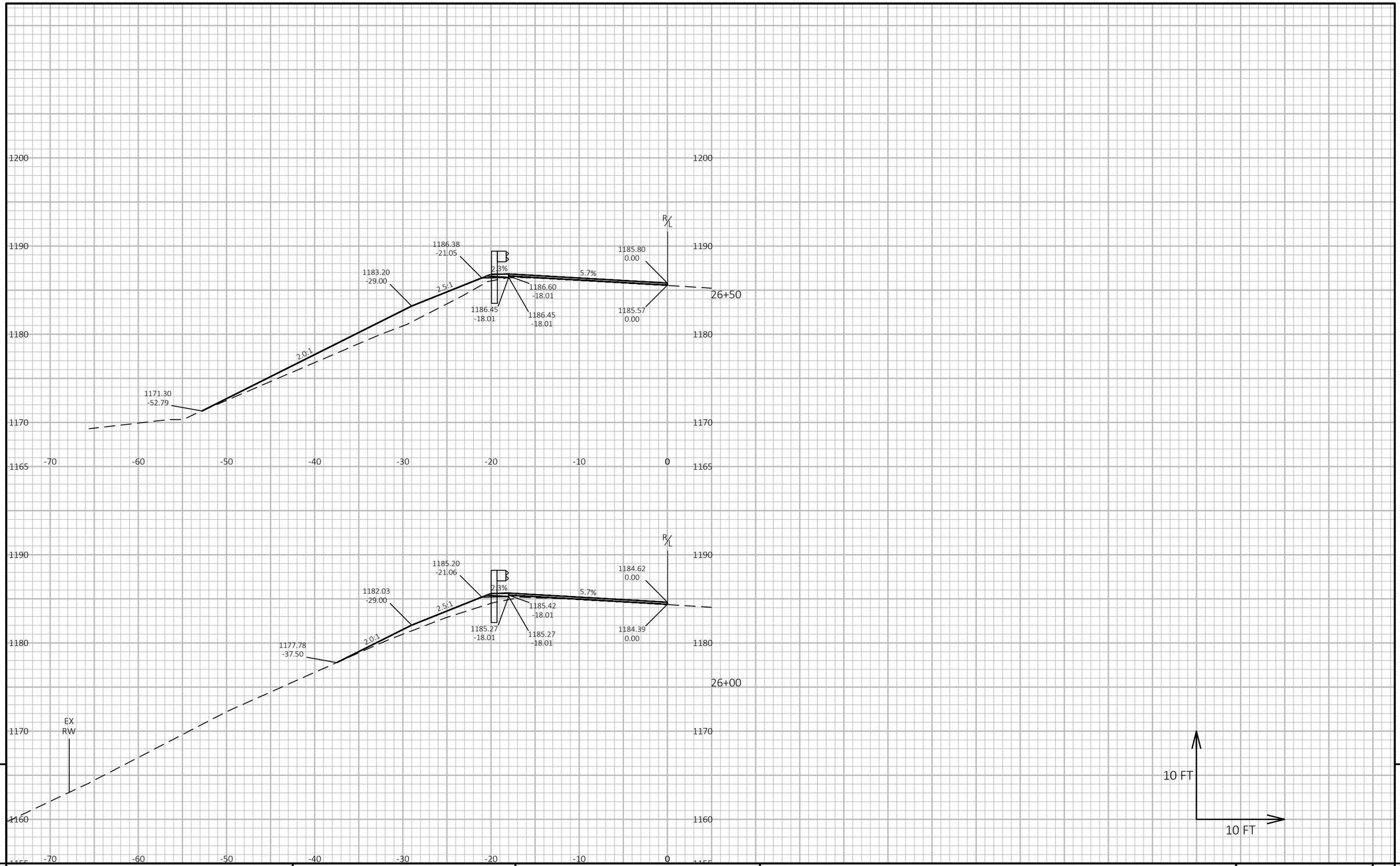
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 201	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 005

PLOT DATE : 10/21/2025 1:28 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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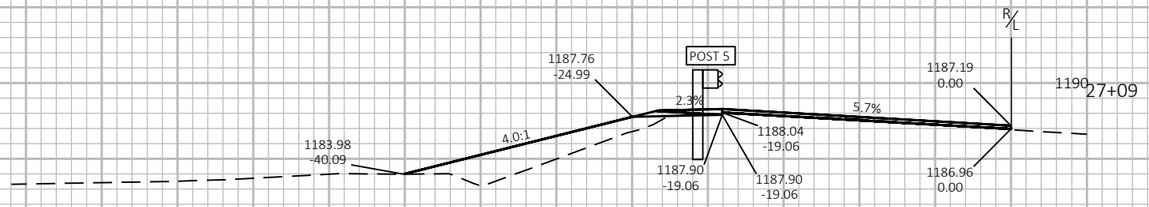
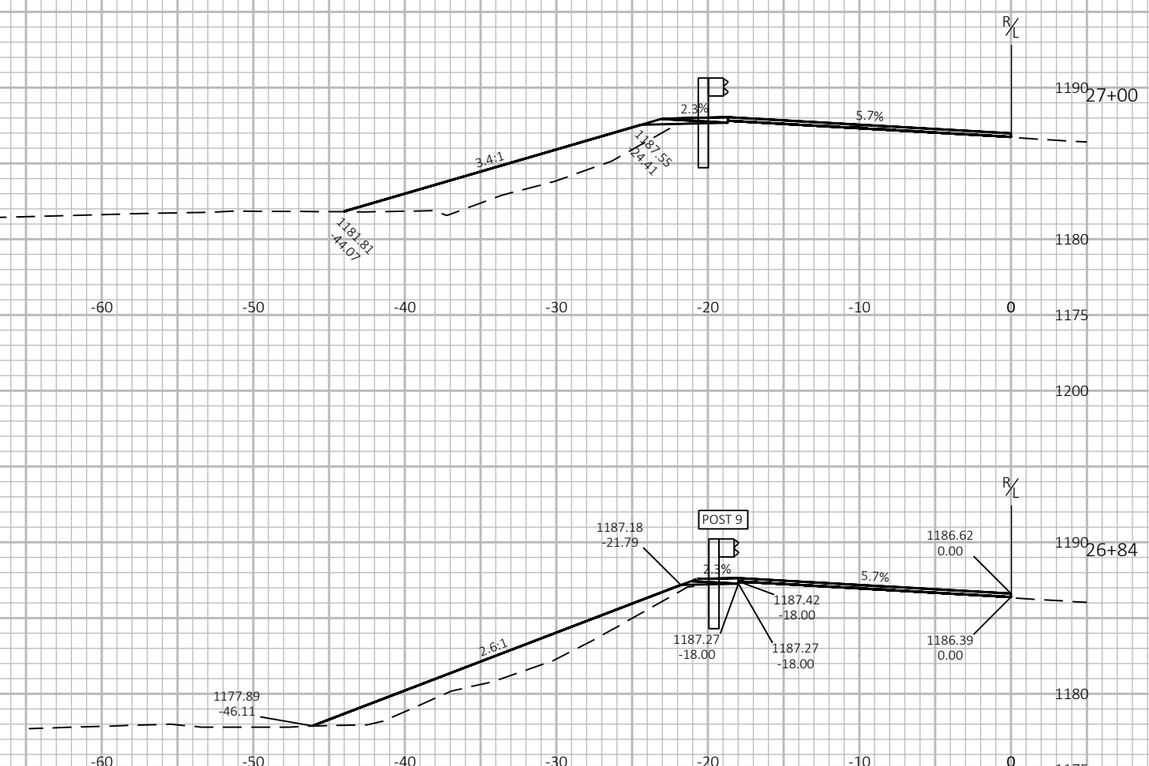
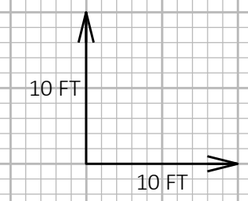
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 202	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 006

PLOT DATE : 10/21/2025 1:28 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.







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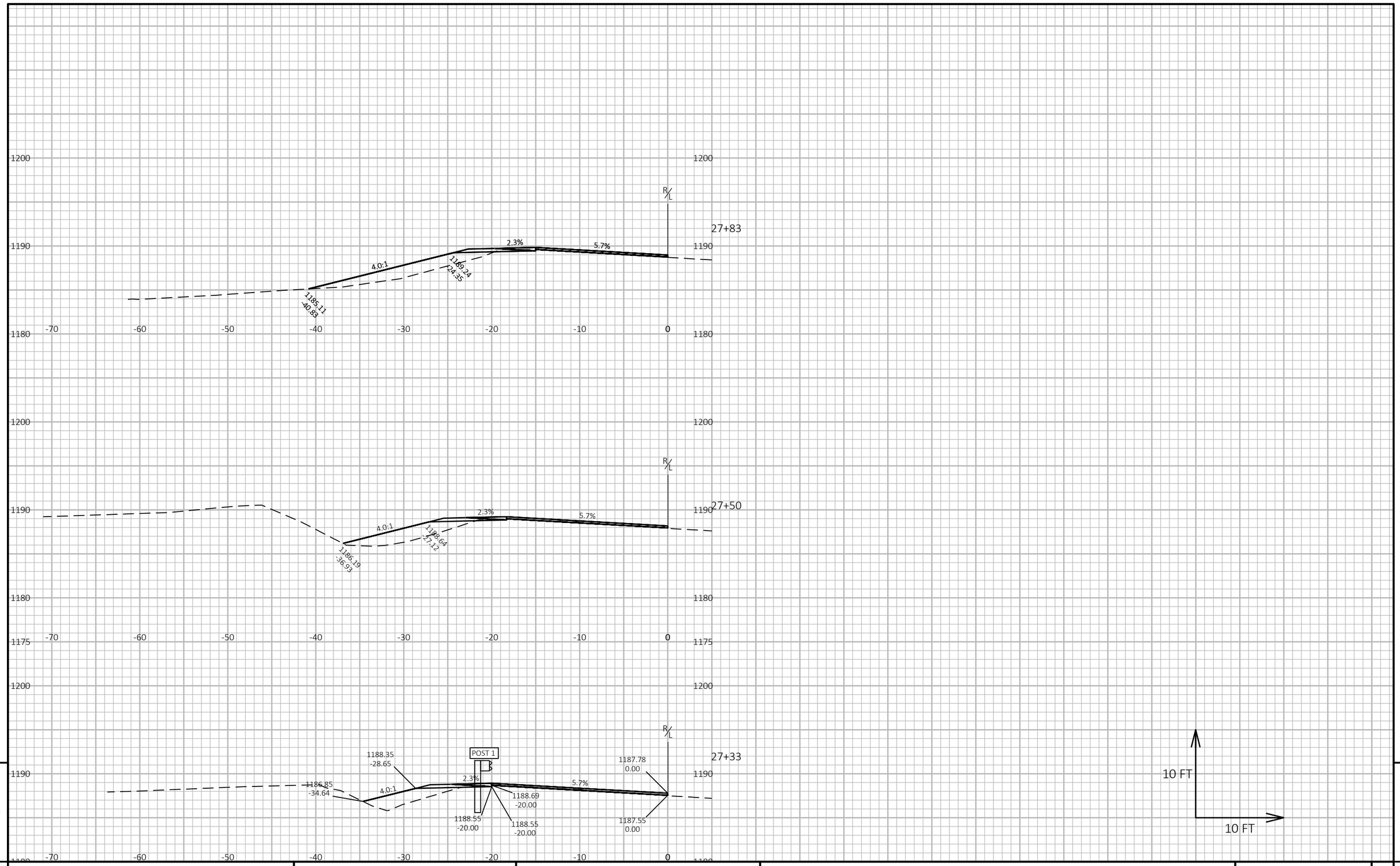
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 203	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 007

PLOT DATE : 10/21/2025 1:28 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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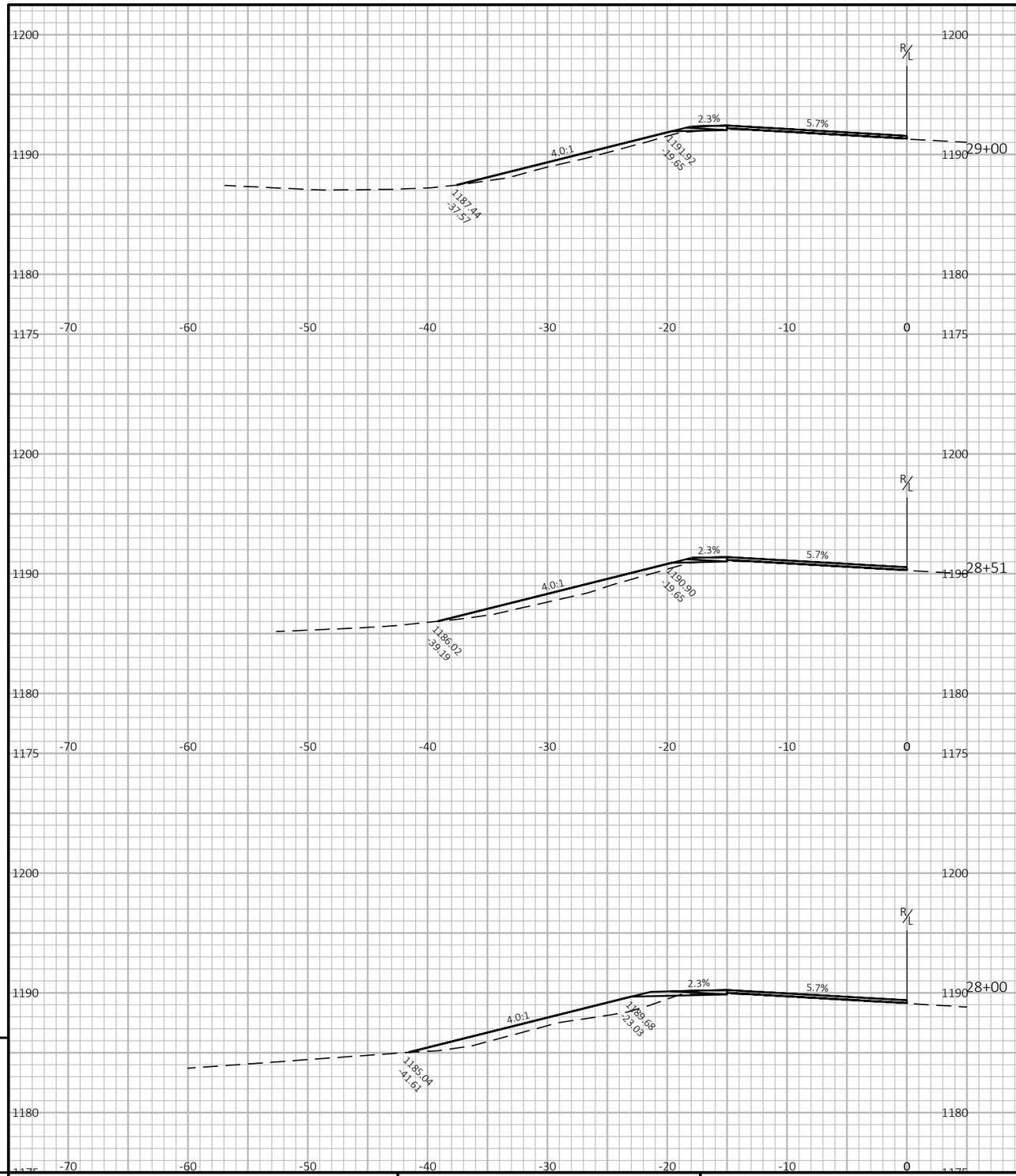
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 204	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 008

PLOT DATE : 10/21/2025 1:29 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-21+39	SHEET 205	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 009

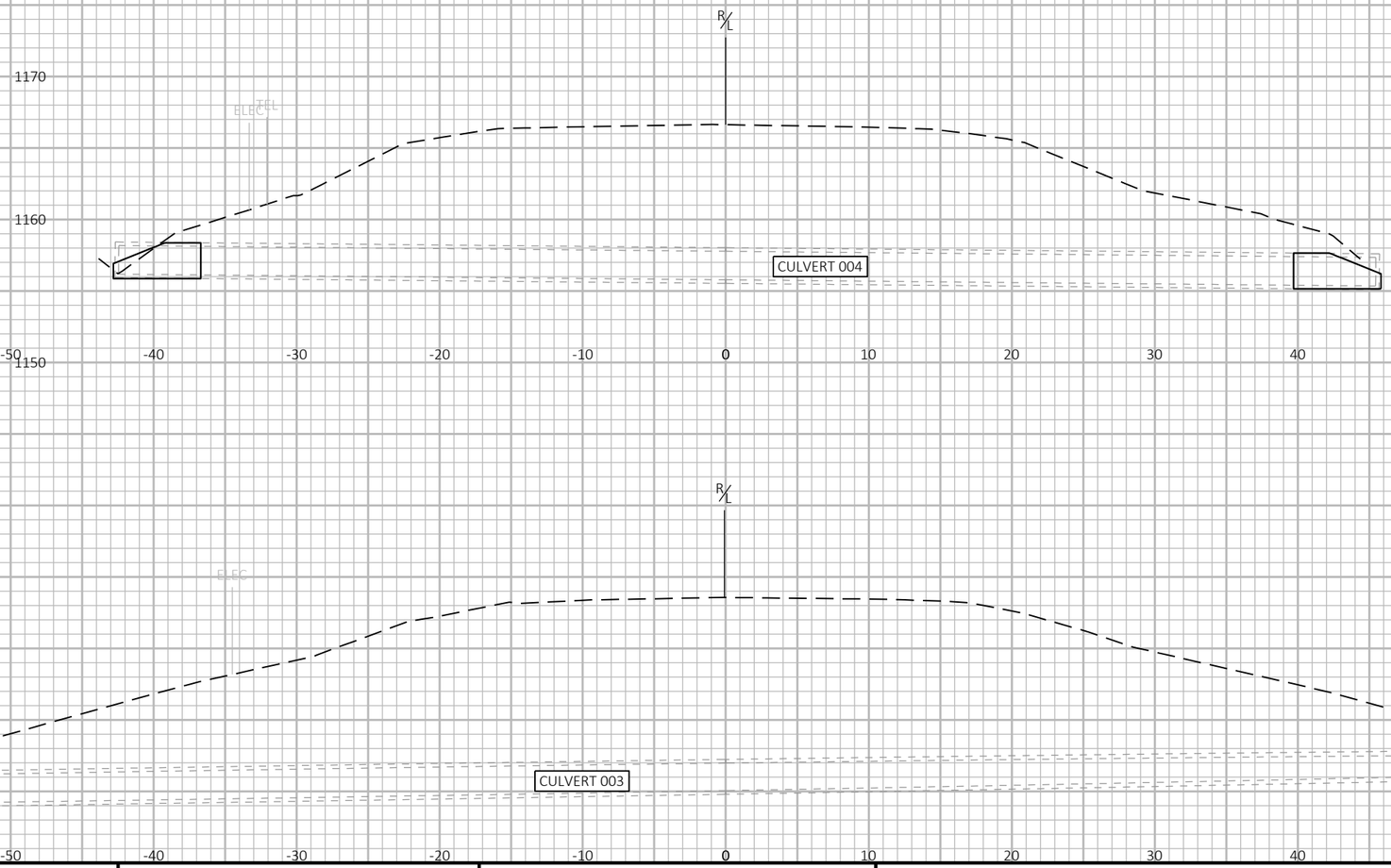
PLOT DATE : 10/21/2025 1:29 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTES:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 004-006	SHEET 206	E

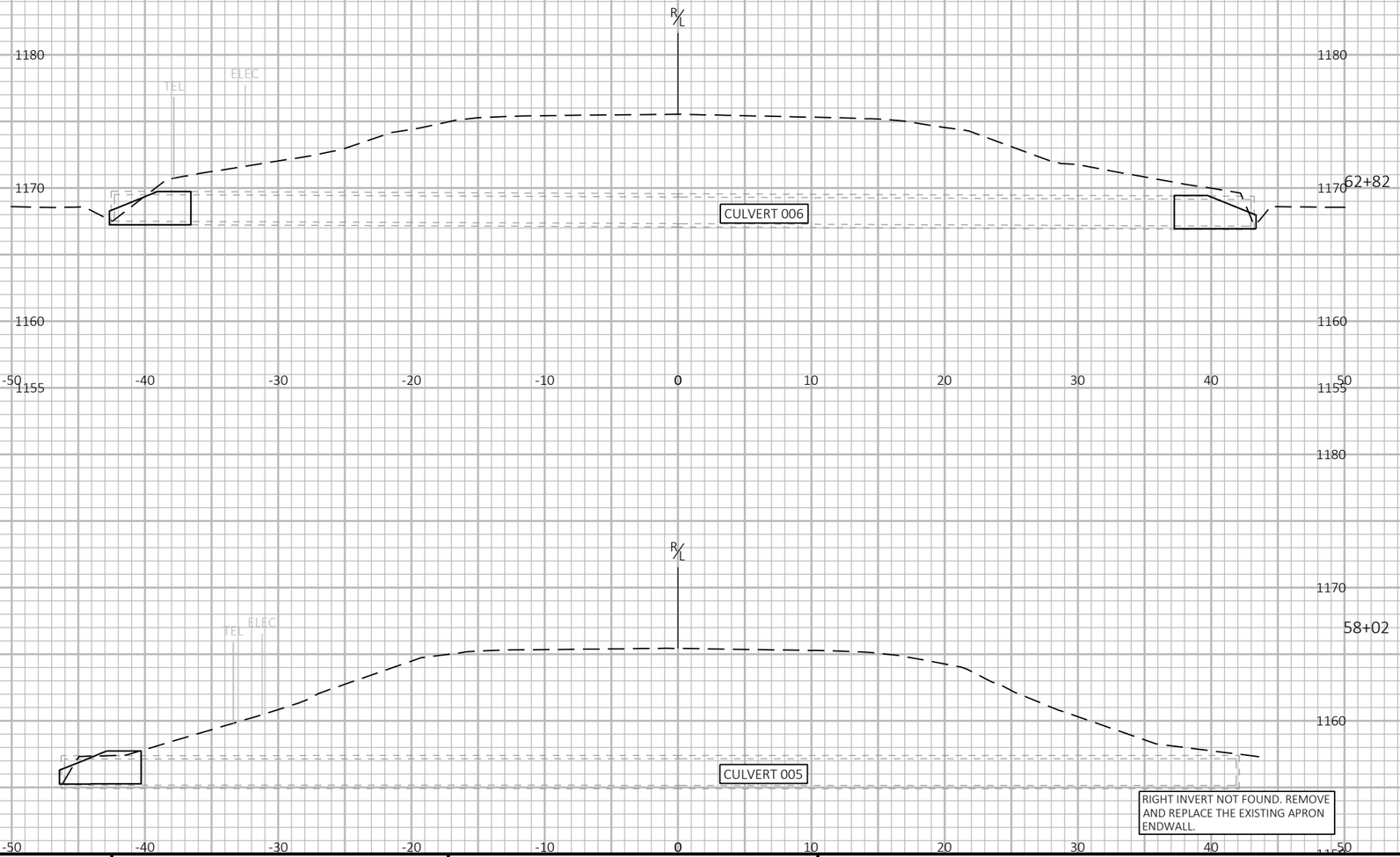
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 010

PLOT DATE : 10/21/2025 1:29 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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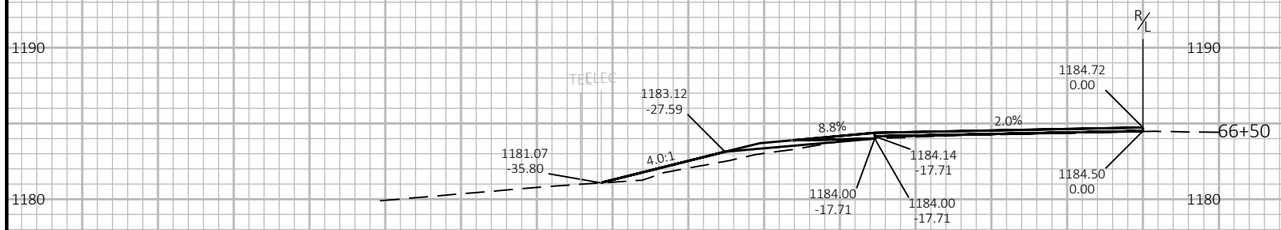
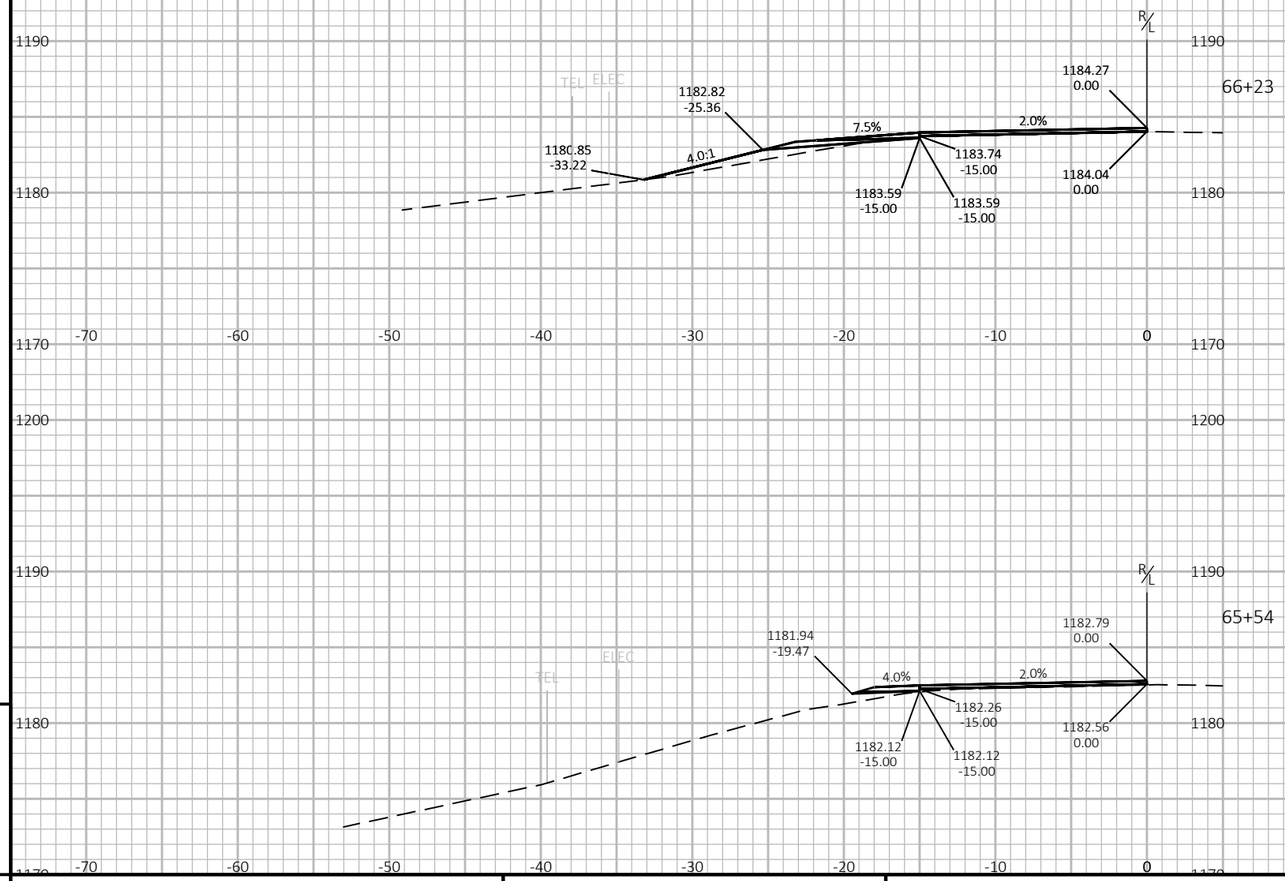
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 004-006	SHEET 207	E

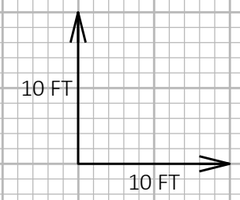
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 011

PLOT DATE : 10/21/2025 1:30 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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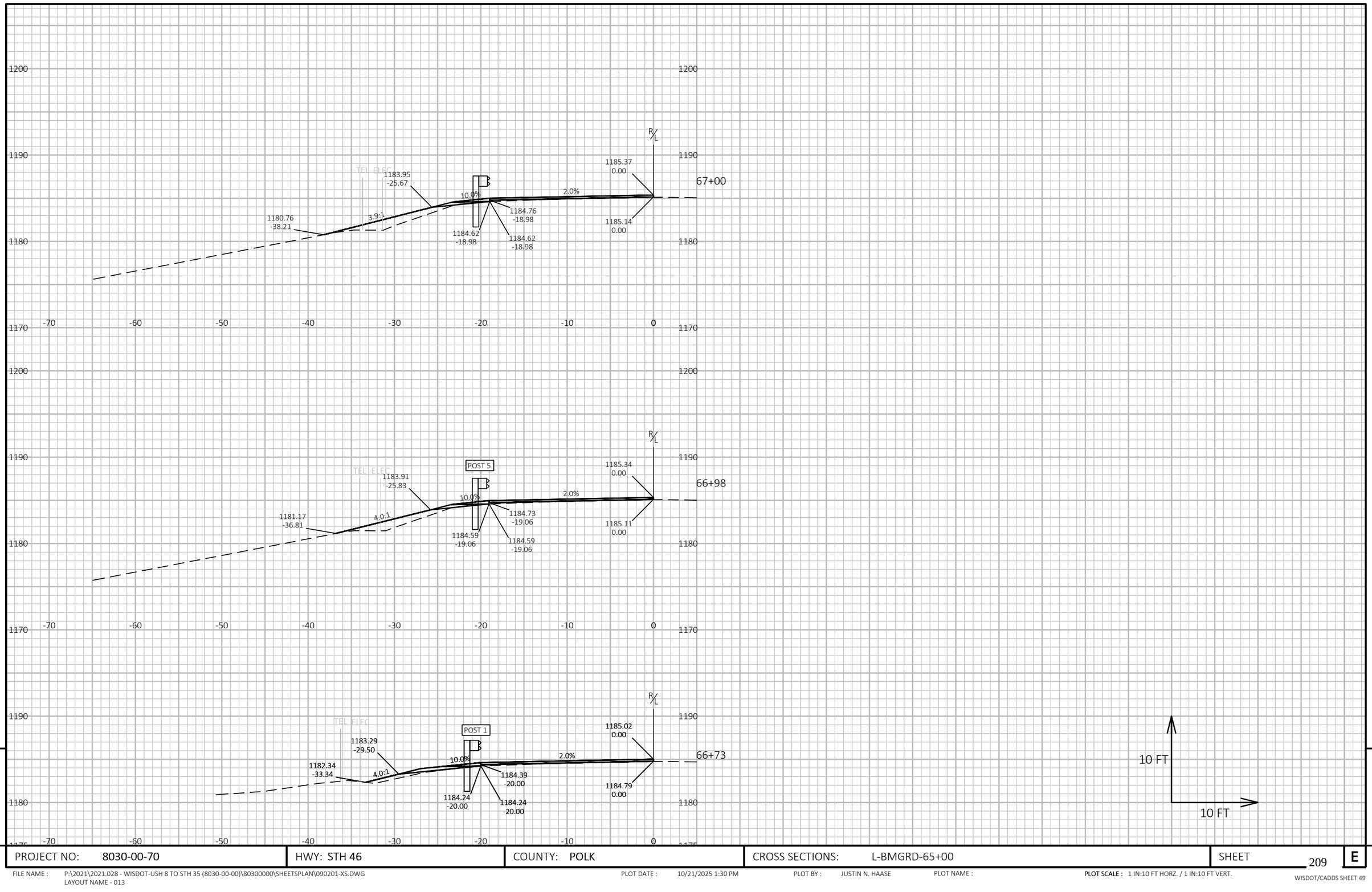
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 208	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 012

PLOT DATE : 10/21/2025 1:30 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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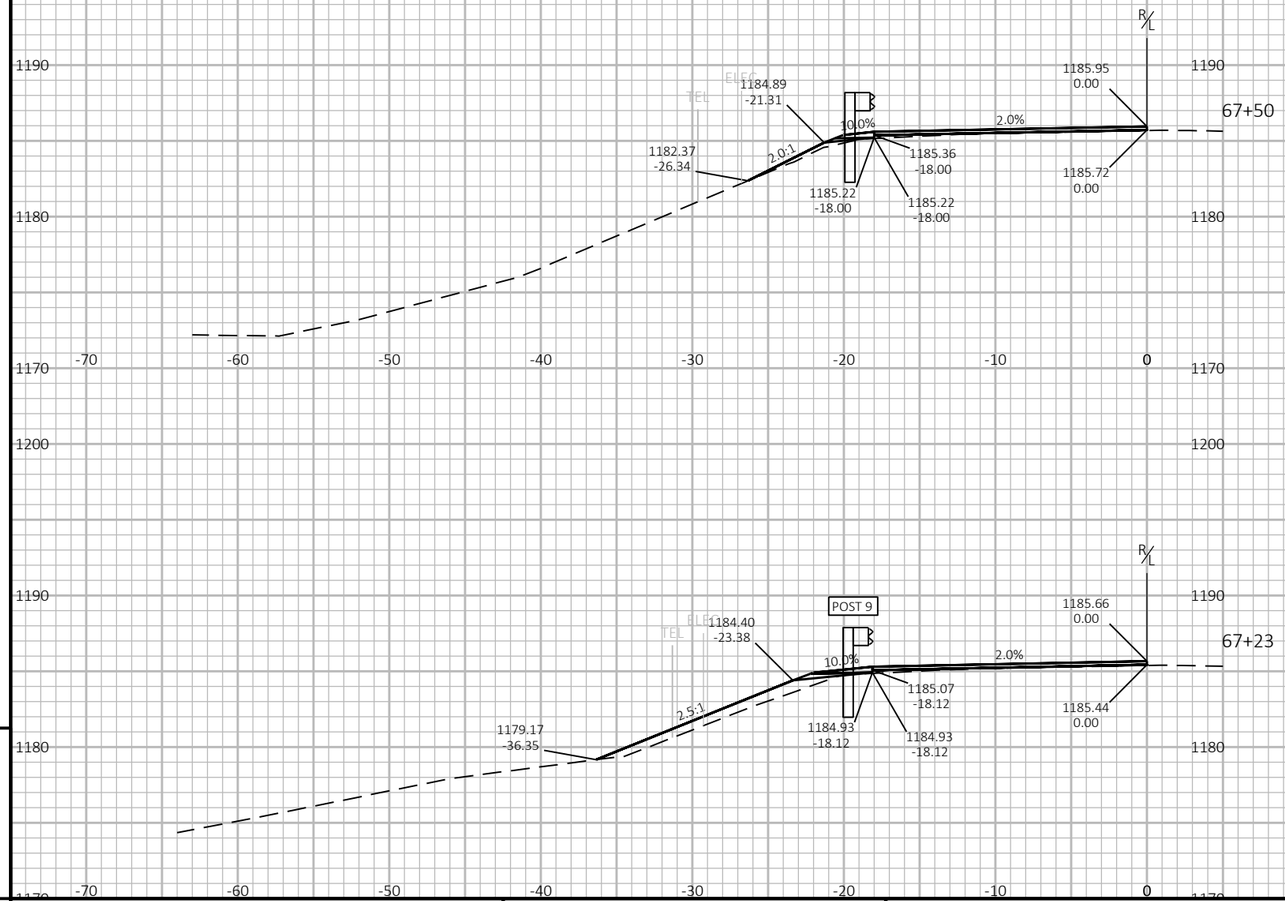
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 209	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 013

PLOT DATE : 10/21/2025 1:30 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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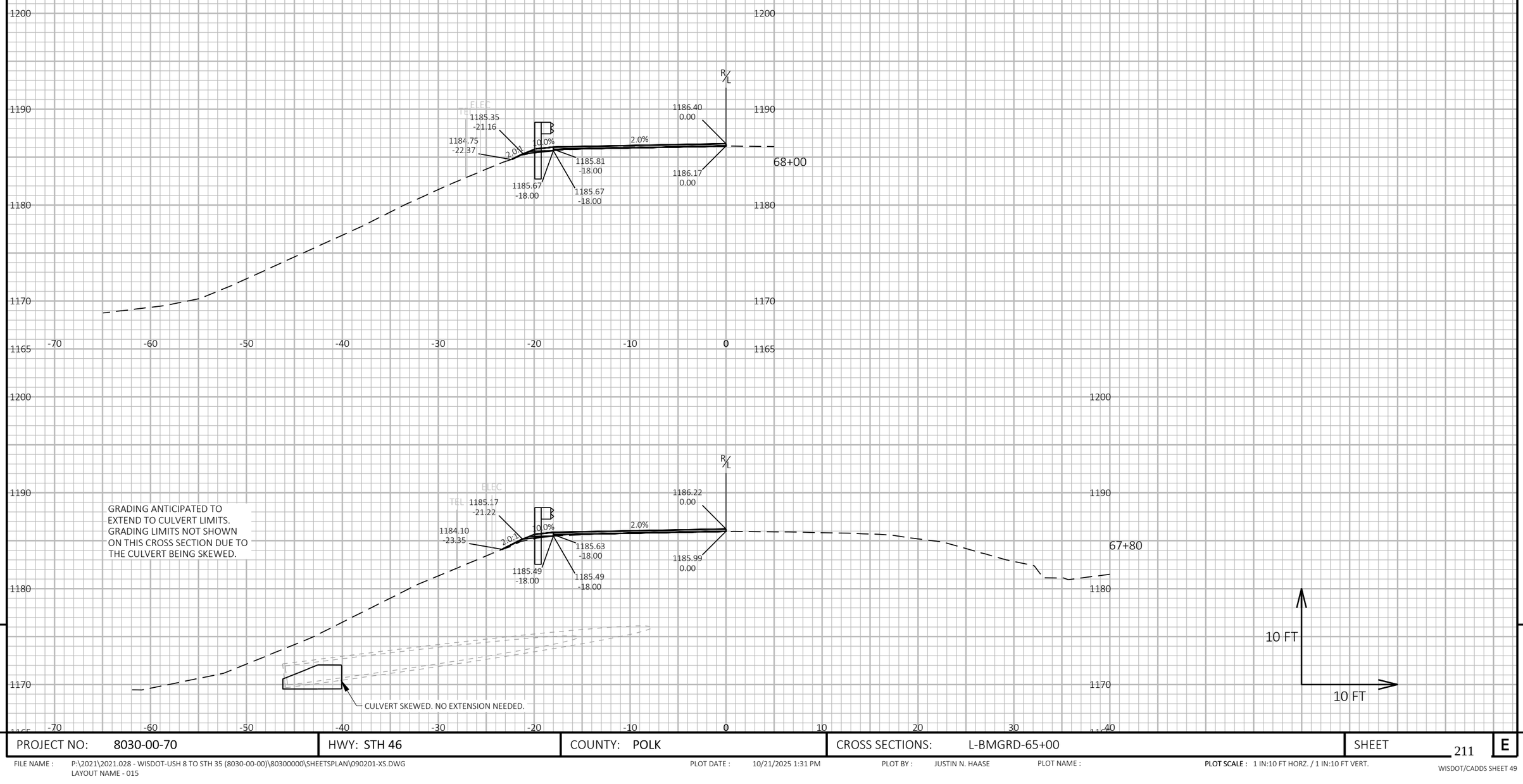
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 210	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 014

PLOT DATE : 10/21/2025 1:31 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION



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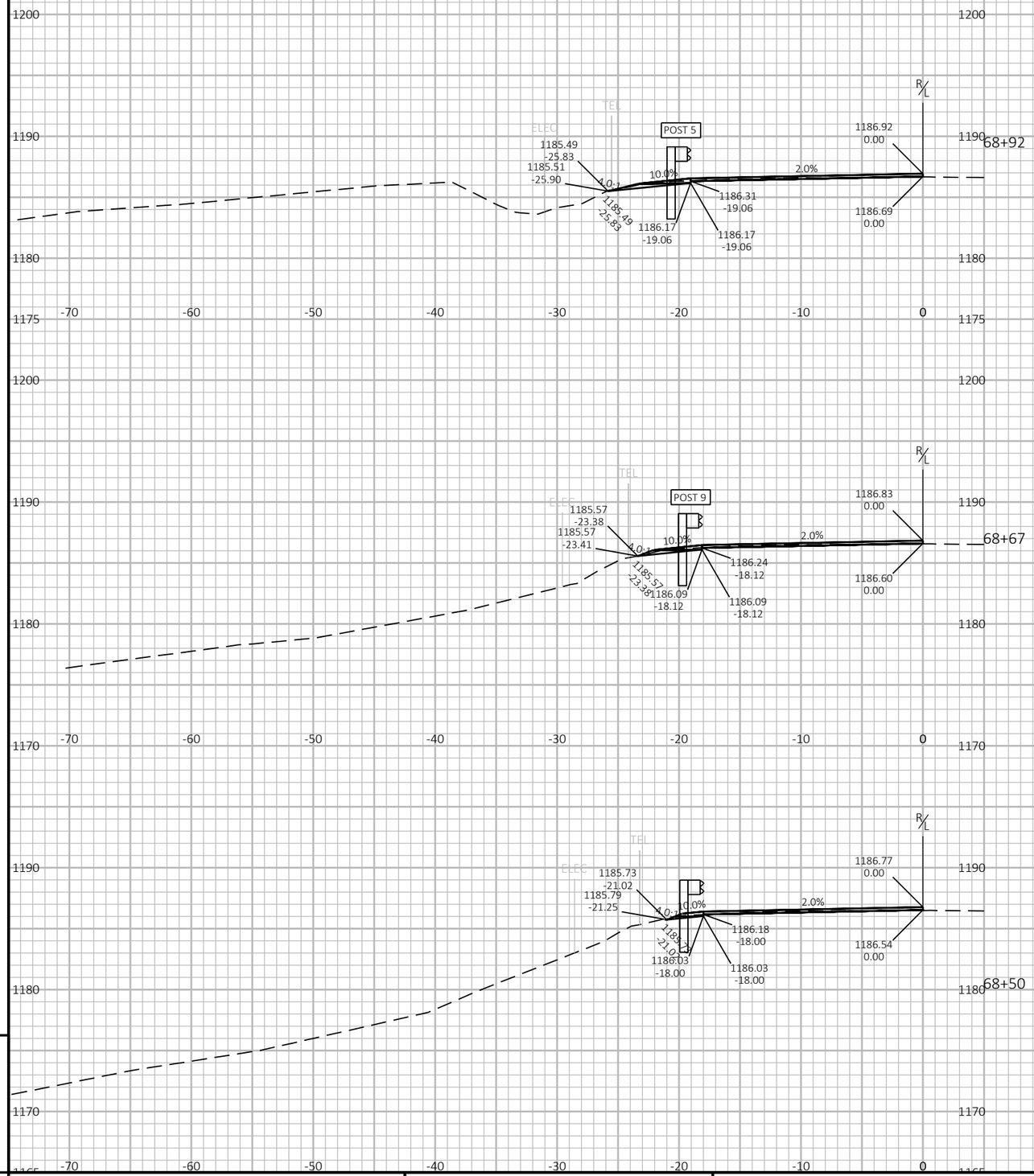
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 211	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 015

PLOT DATE : 10/21/2025 1:31 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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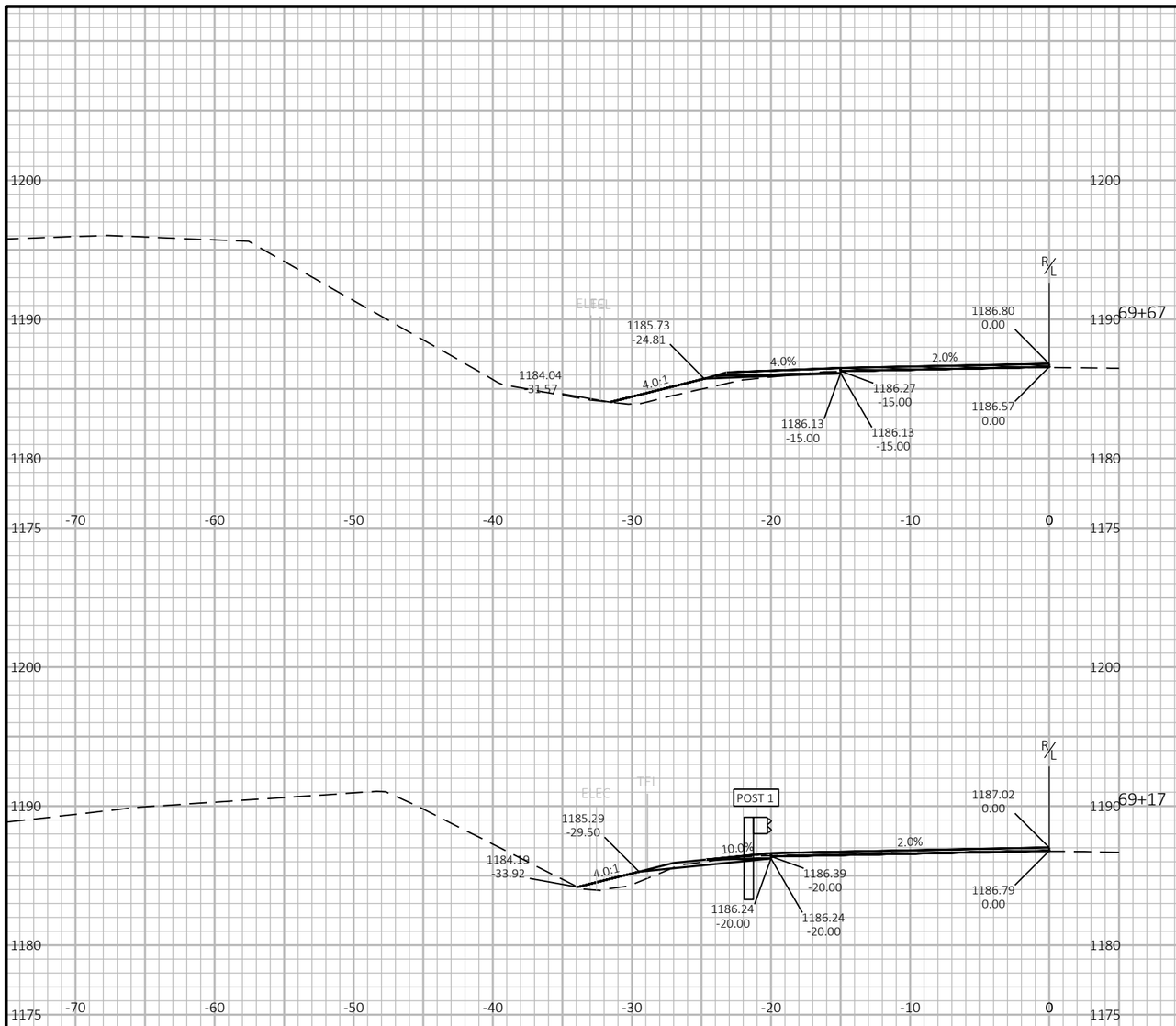
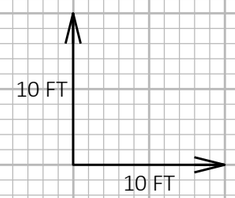
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 212	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 016

PLOT DATE : 10/21/2025 1:31 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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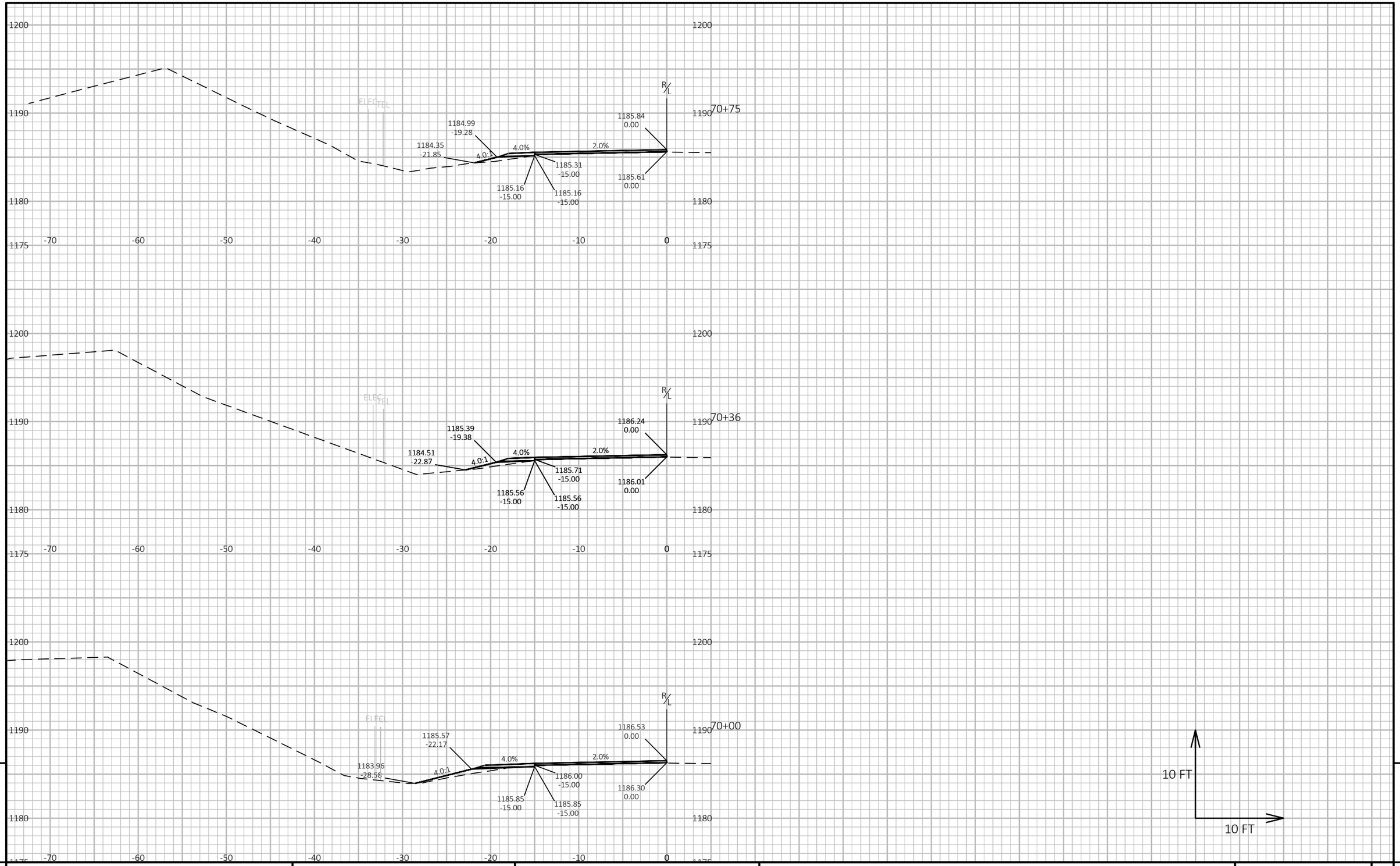
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 213	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 017

PLOT DATE : 10/21/2025 1:32 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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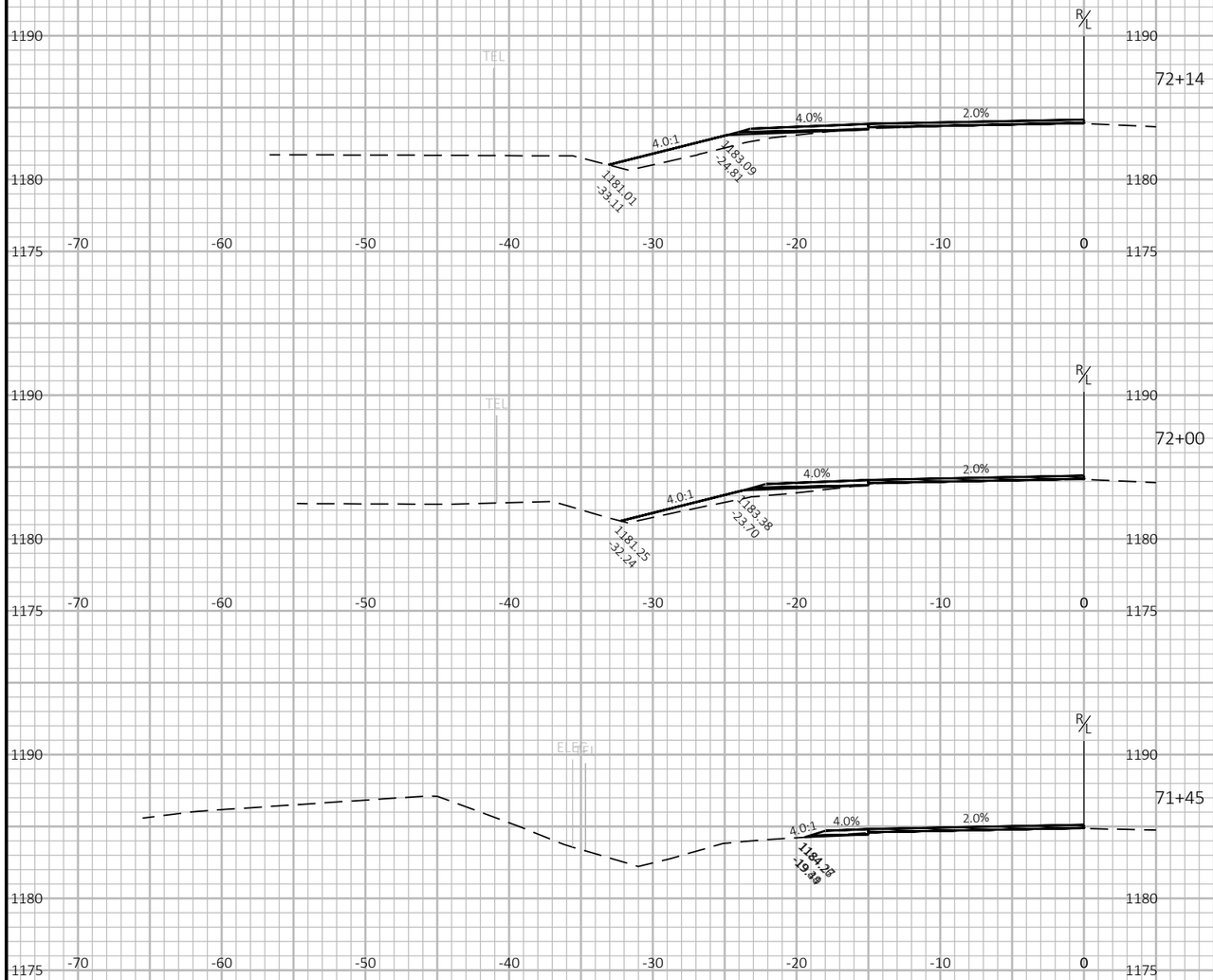
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-65+00	SHEET 214	E

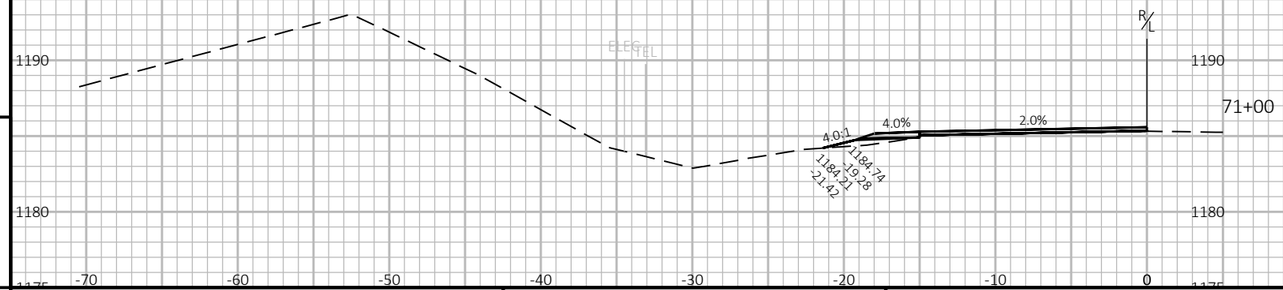
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 018

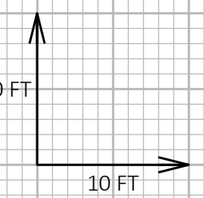
PLOT DATE : 10/21/2025 1:32 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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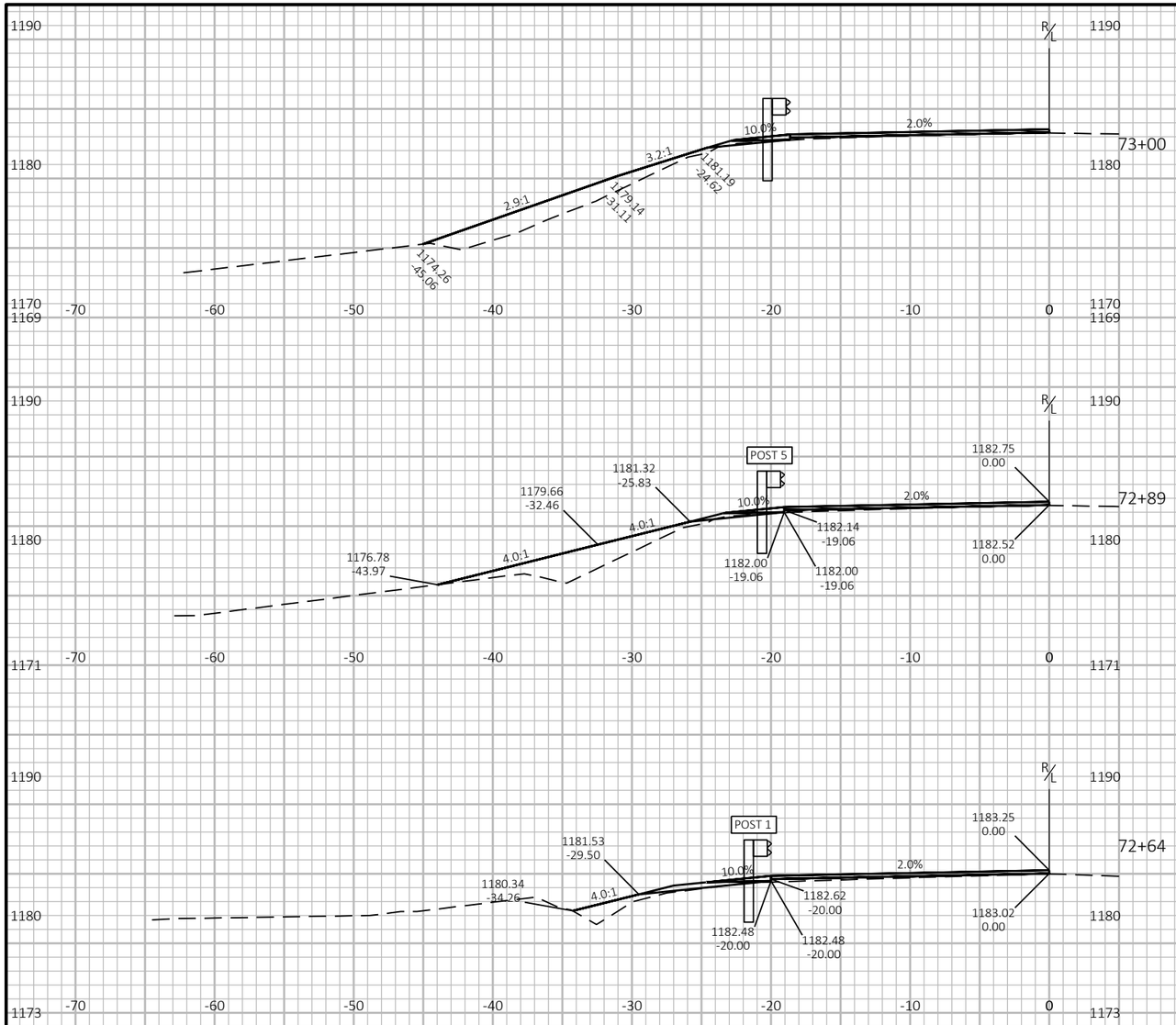
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 215	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 019

PLOT DATE : 10/21/2025 1:32 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

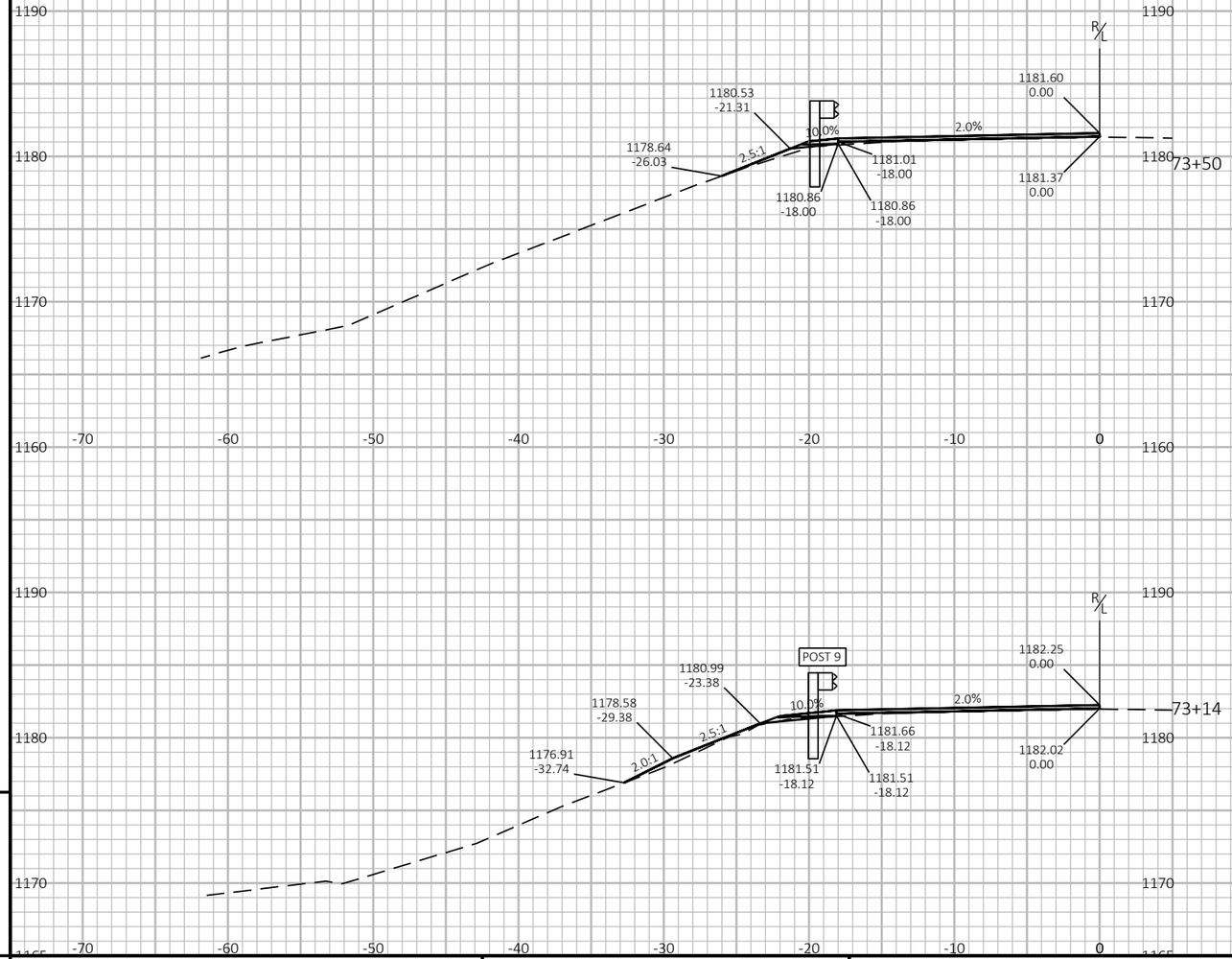


PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 216	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 020

PLOT DATE : 10/21/2025 1:33 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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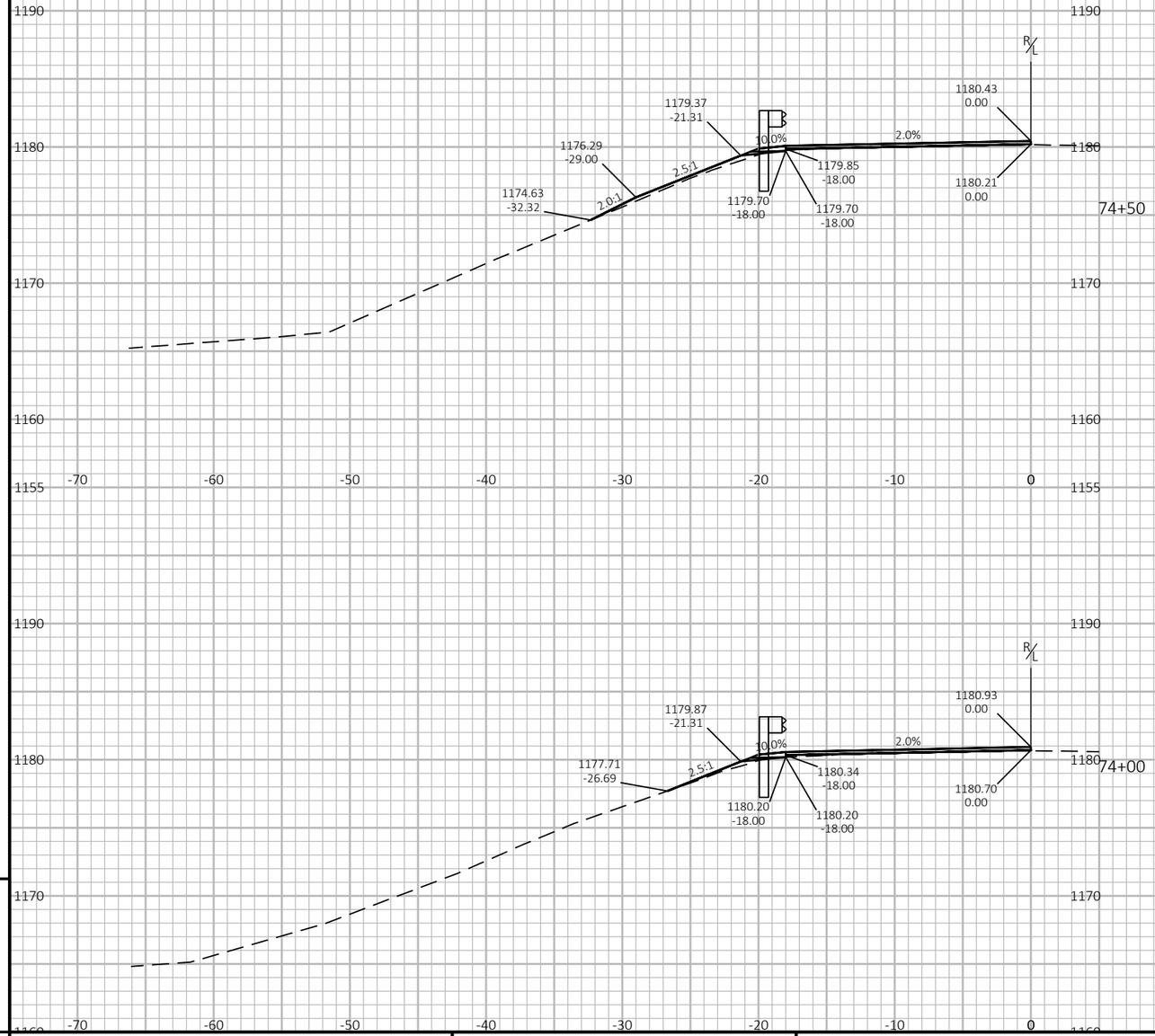
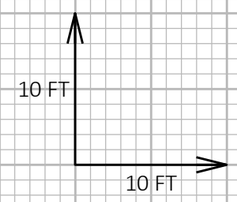
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 217	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 021

PLOT DATE : 10/21/2025 1:33 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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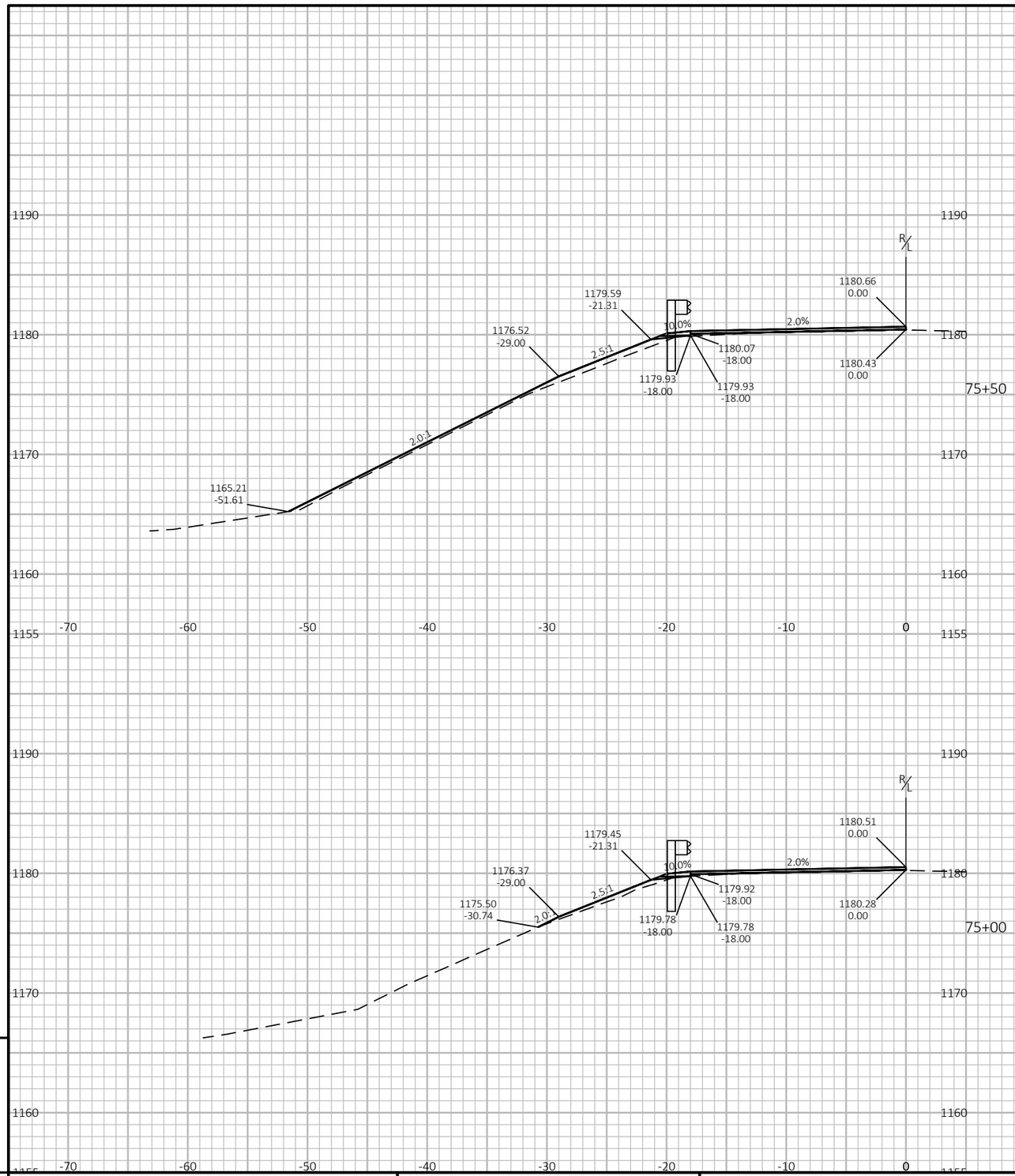
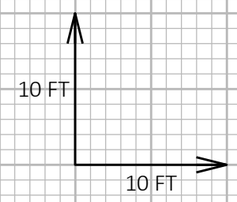
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 218	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 022

PLOT DATE : 10/21/2025 1:33 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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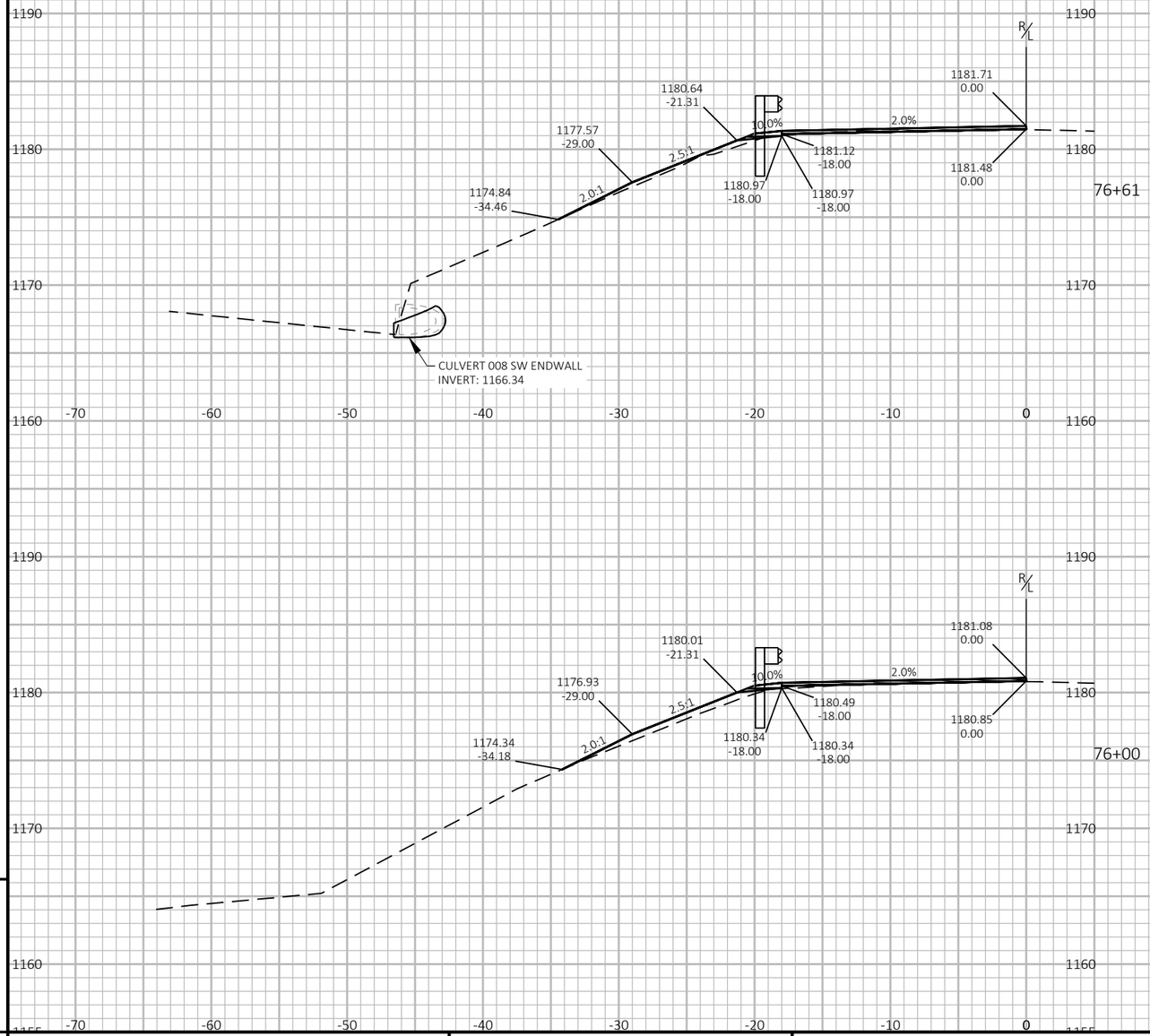
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 219	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 023

PLOT DATE : 10/21/2025 1:34 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION



10 FT

10 FT

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 220	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 024

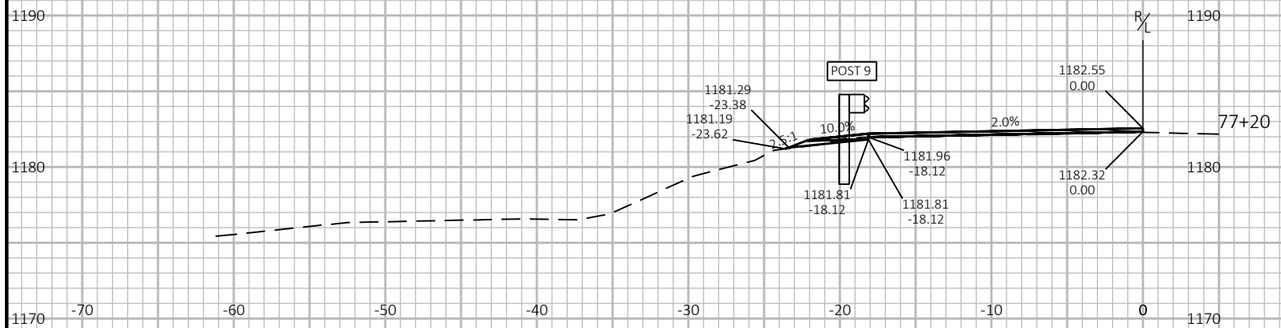
PLOT DATE : 10/21/2025 1:34 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

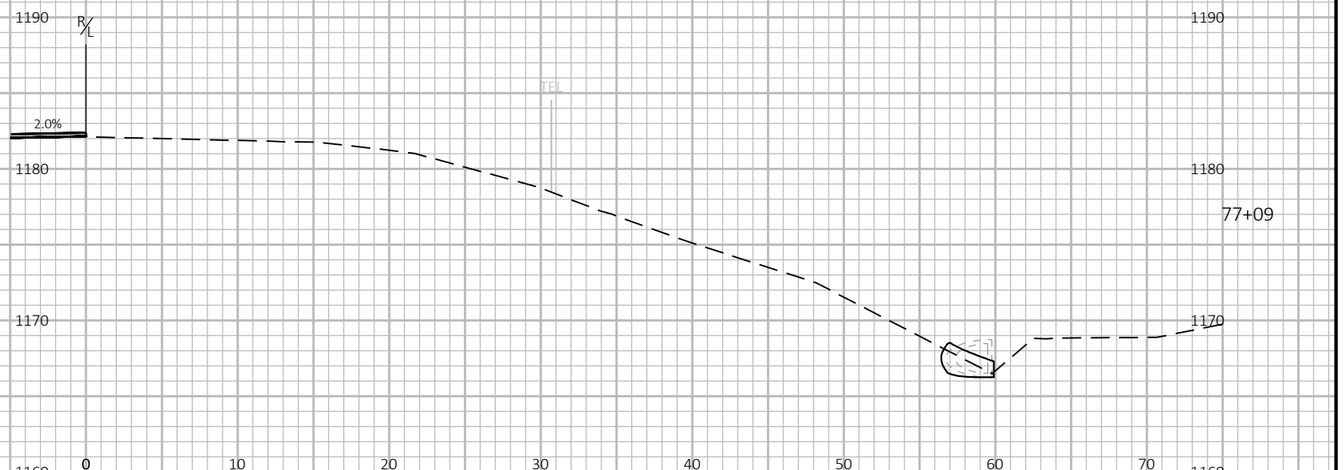
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

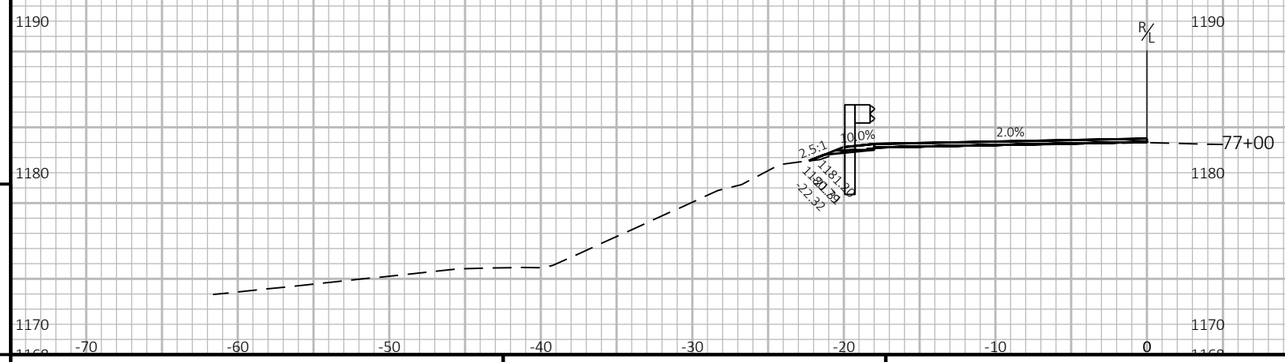
WISDOT/CADDS SHEET 49

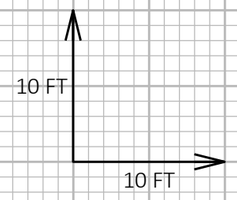
NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION









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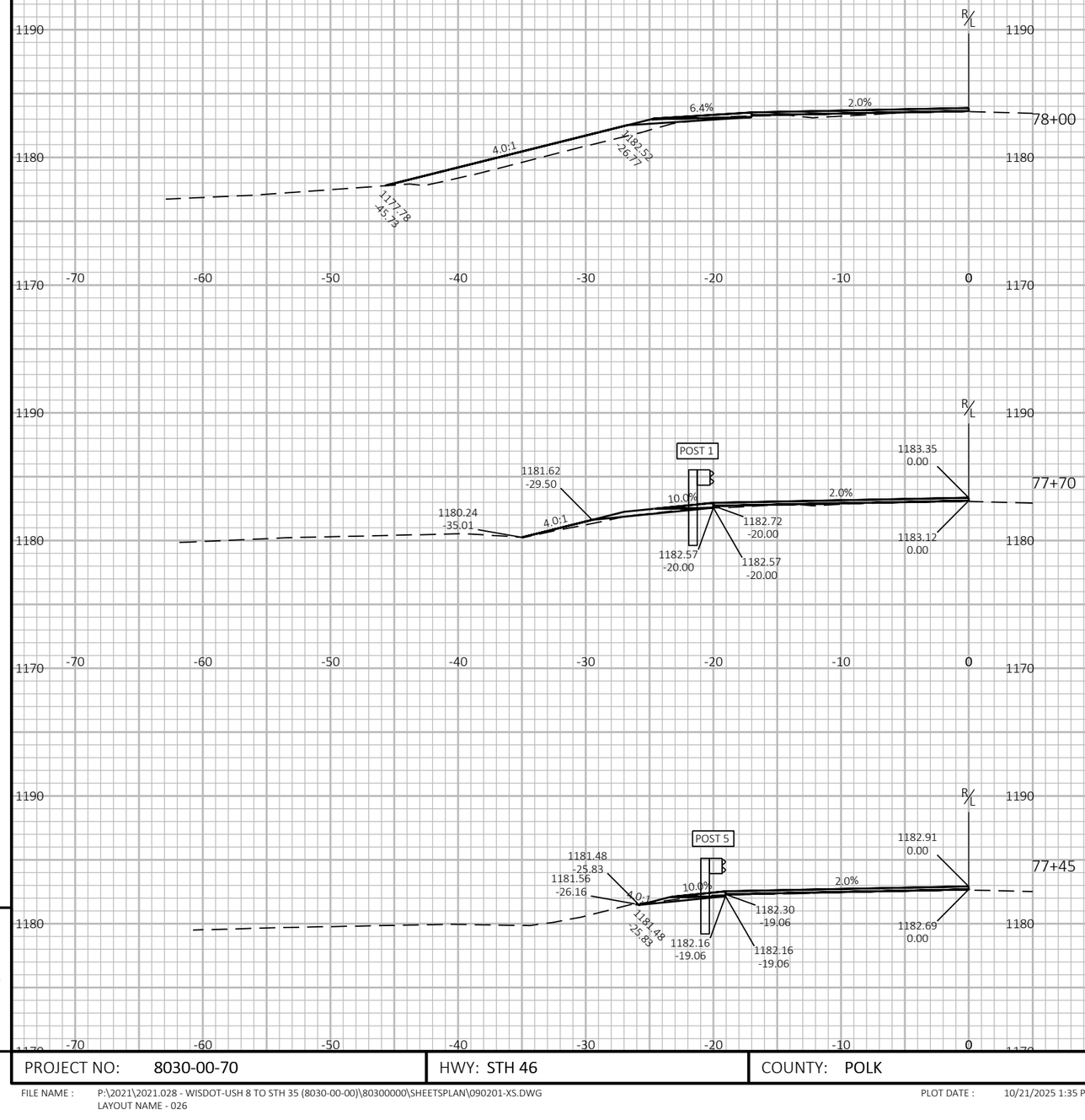
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 221	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 025

PLOT DATE : 10/21/2025 1:34 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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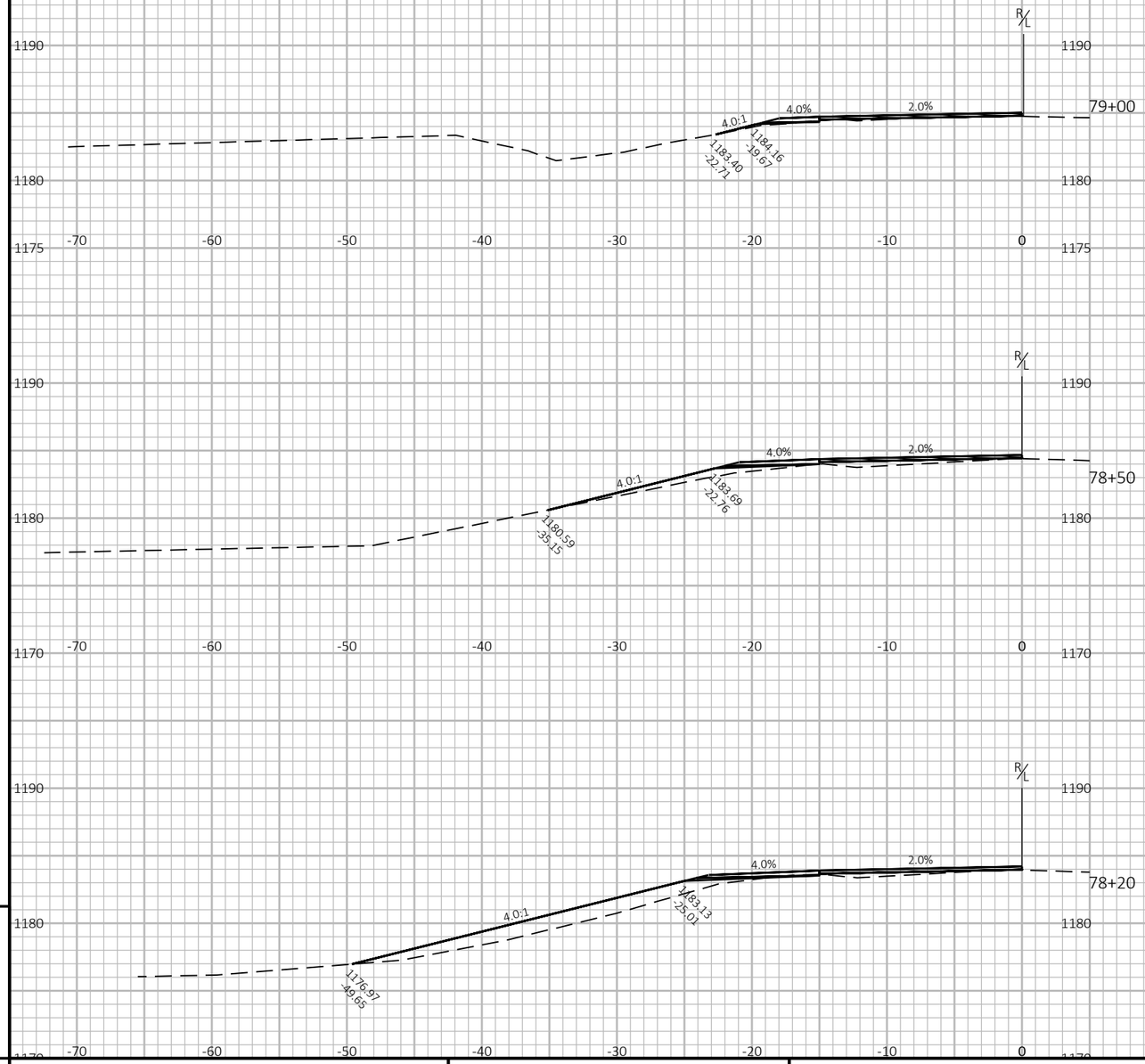
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 222	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 026

PLOT DATE : 10/21/2025 1:35 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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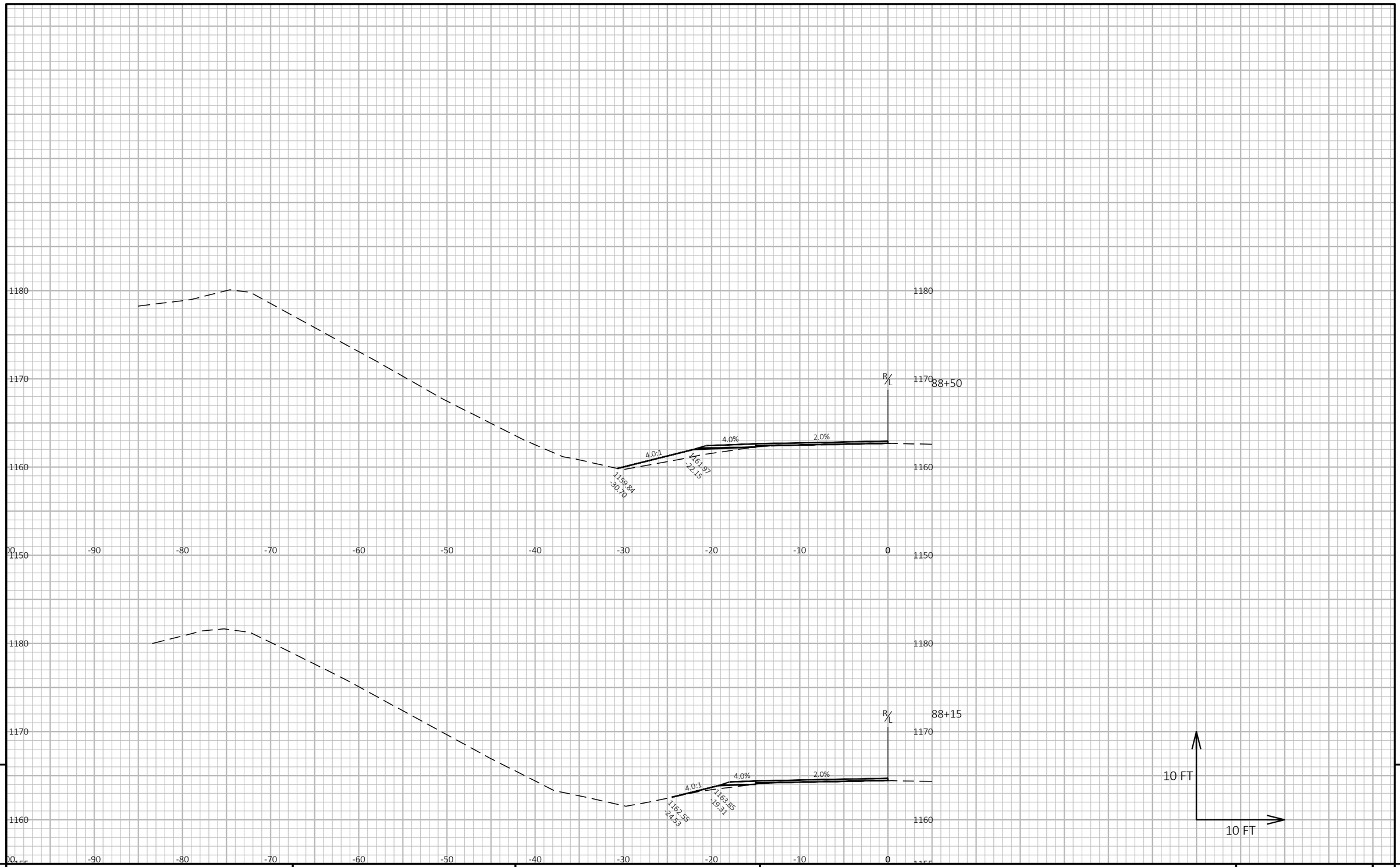
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-71+00	SHEET 223	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 027

PLOT DATE : 10/21/2025 1:35 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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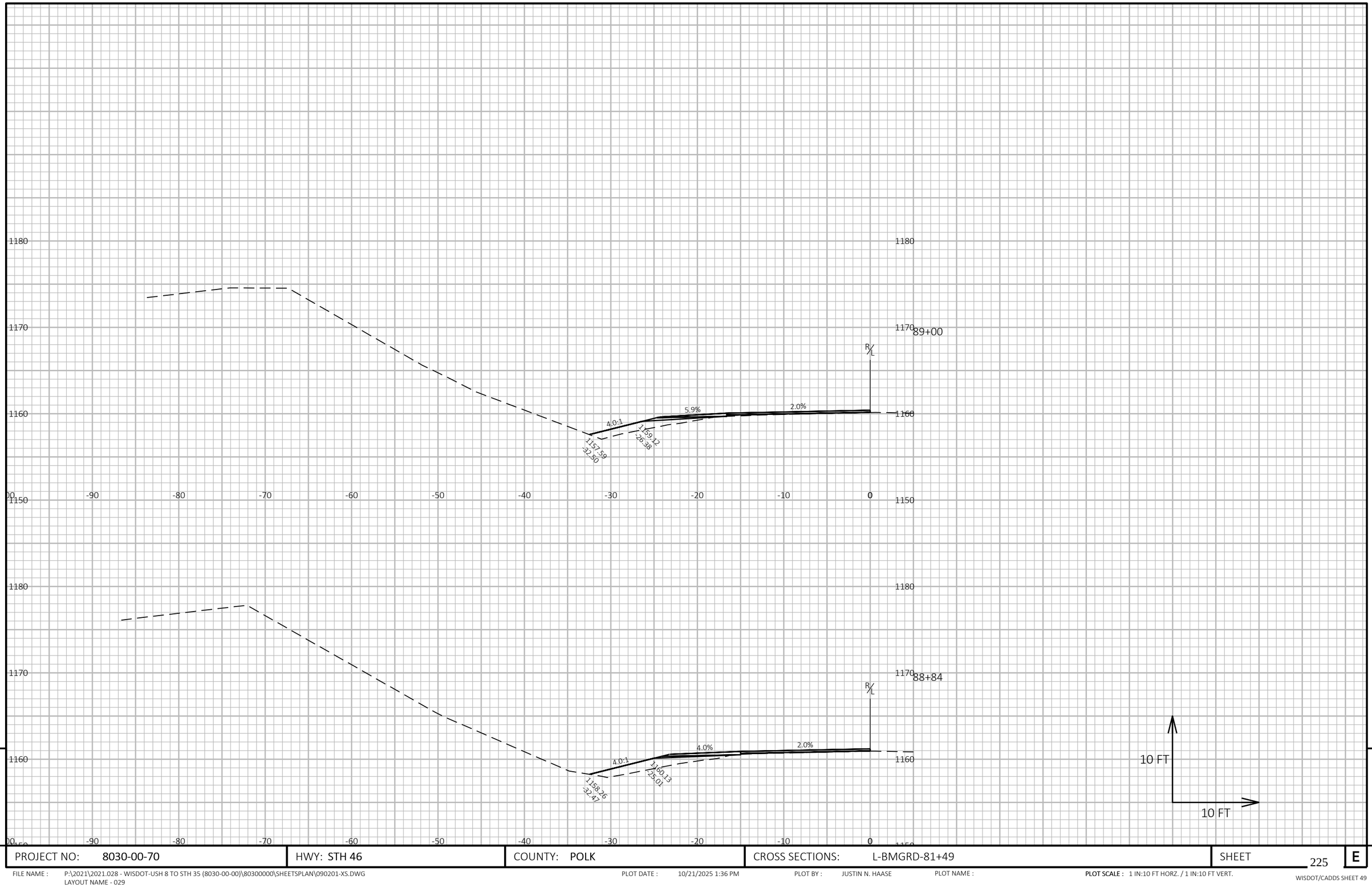
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 224	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 028

PLOT DATE : 10/21/2025 1:35 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

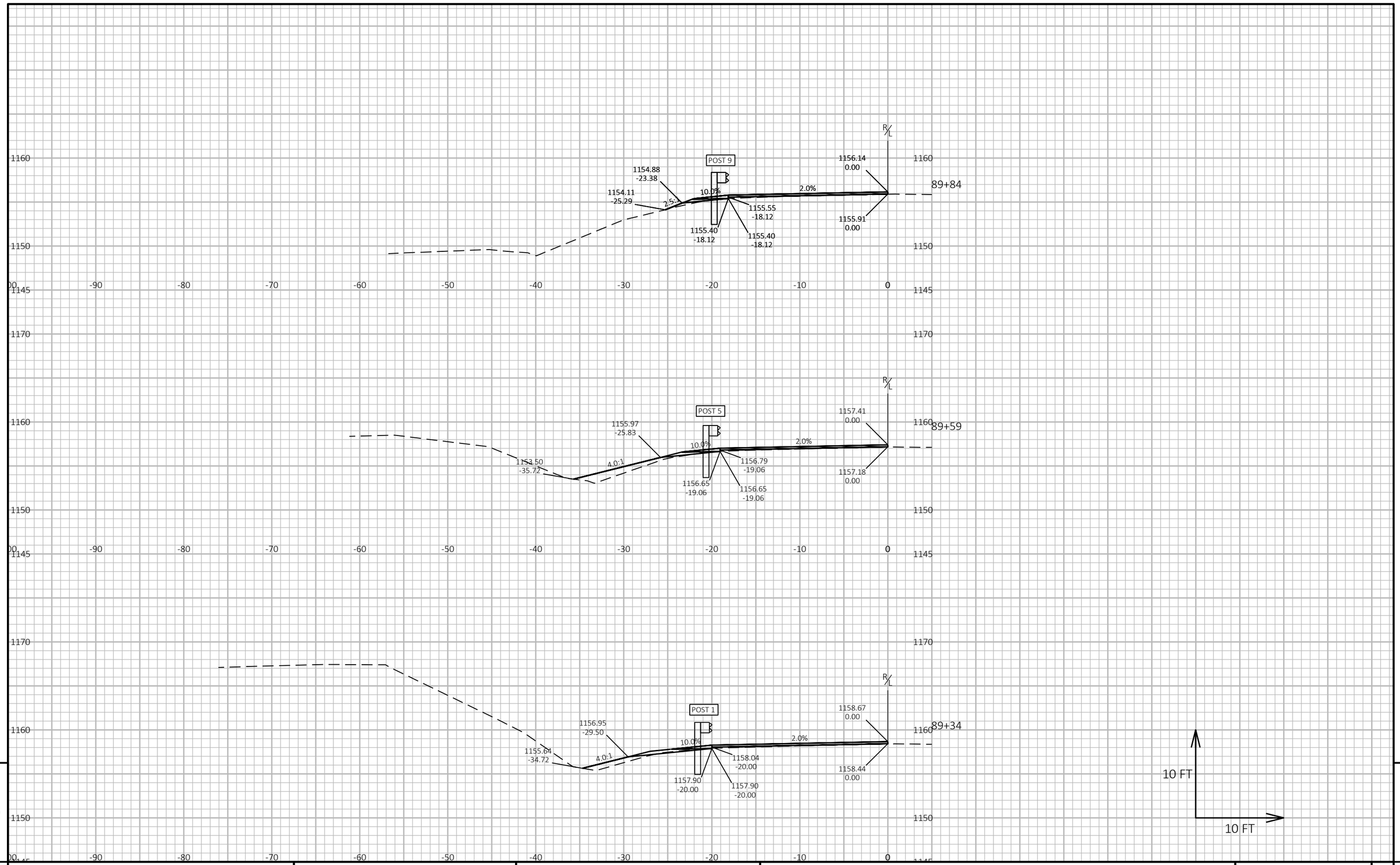


PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 225	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 029

PLOT DATE : 10/21/2025 1:36 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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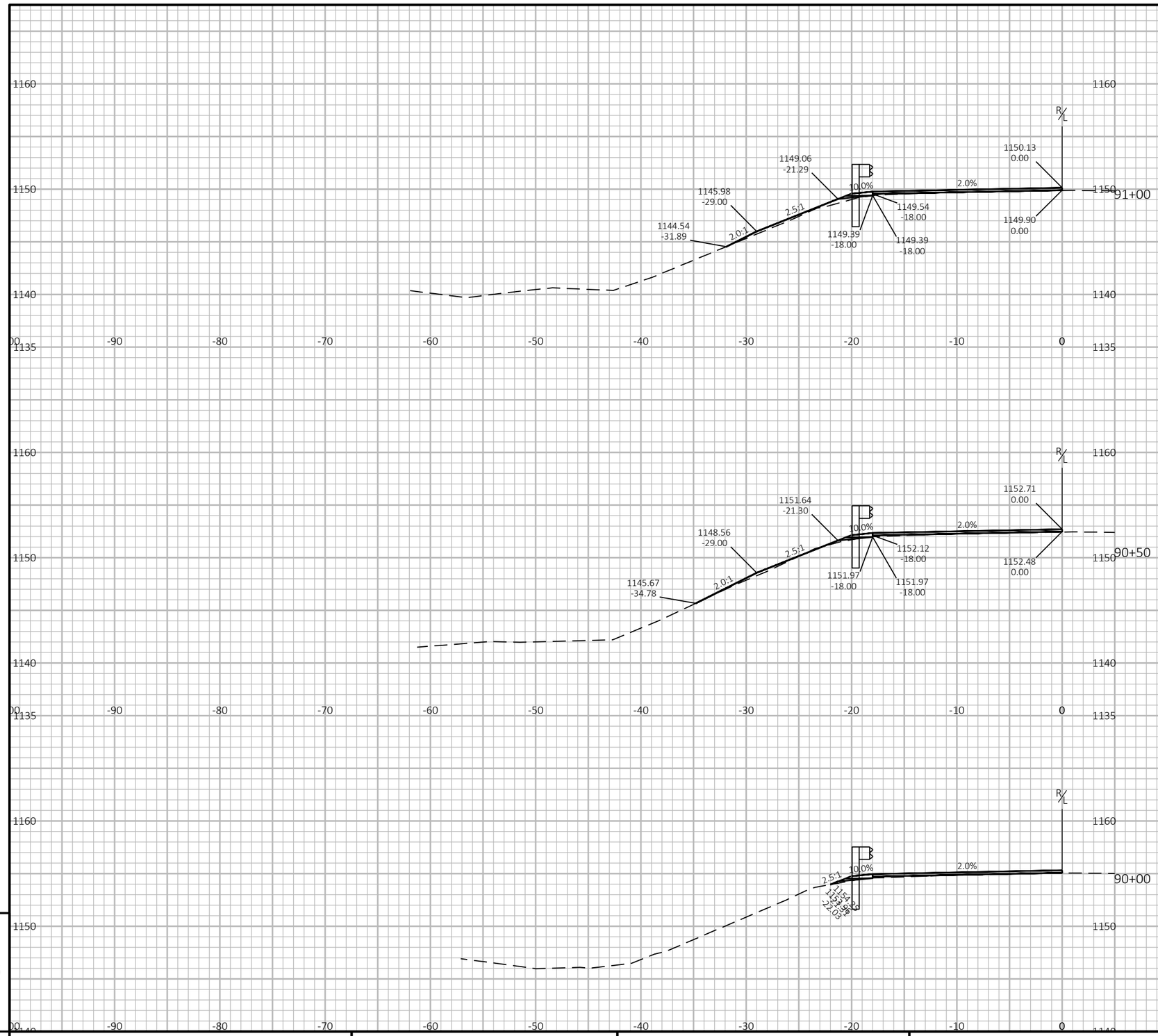
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 226	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 030

PLOT DATE : 10/21/2025 1:36 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



10 FT

10 FT

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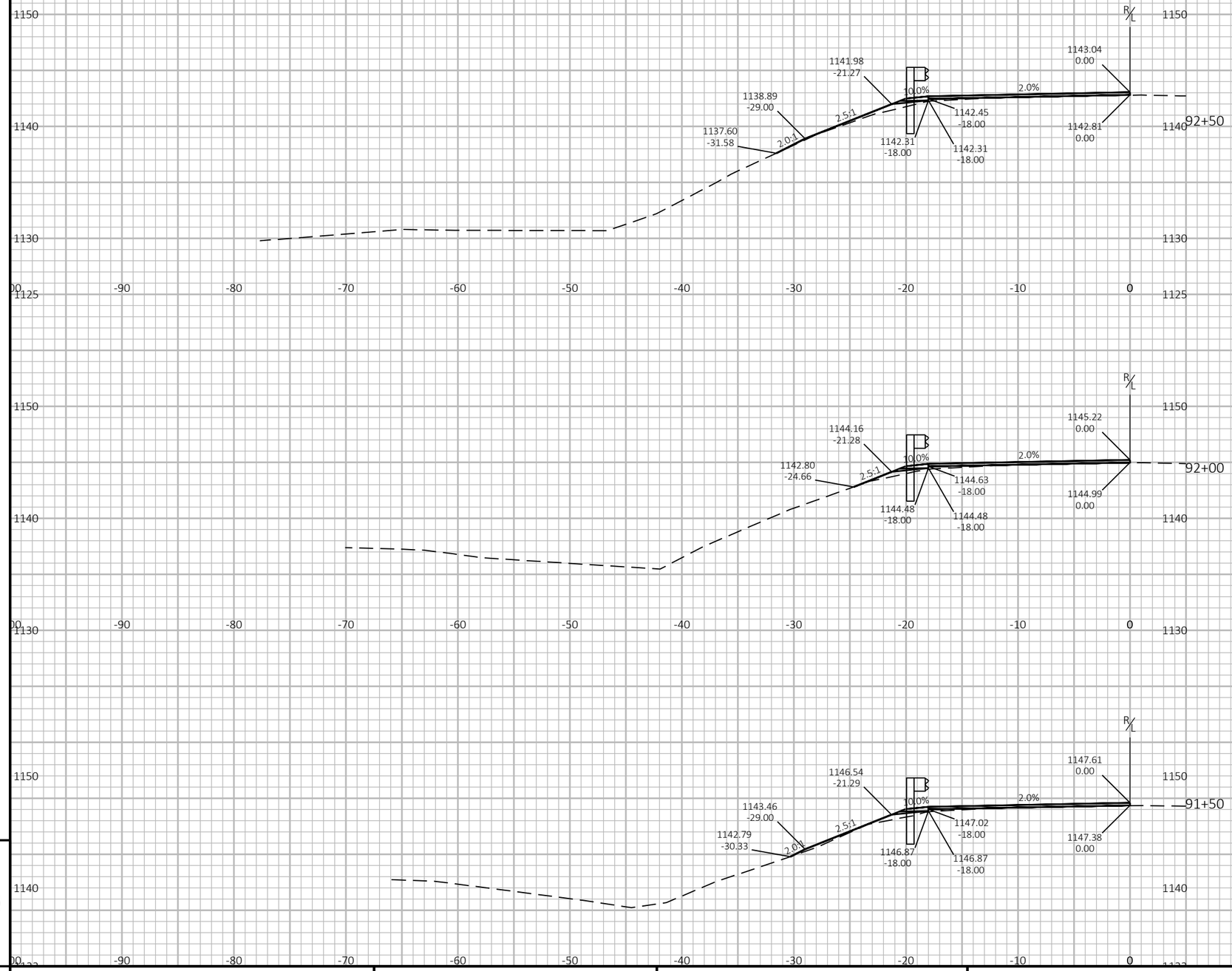
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 227	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 031

PLOT DATE : 10/21/2025 1:36 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



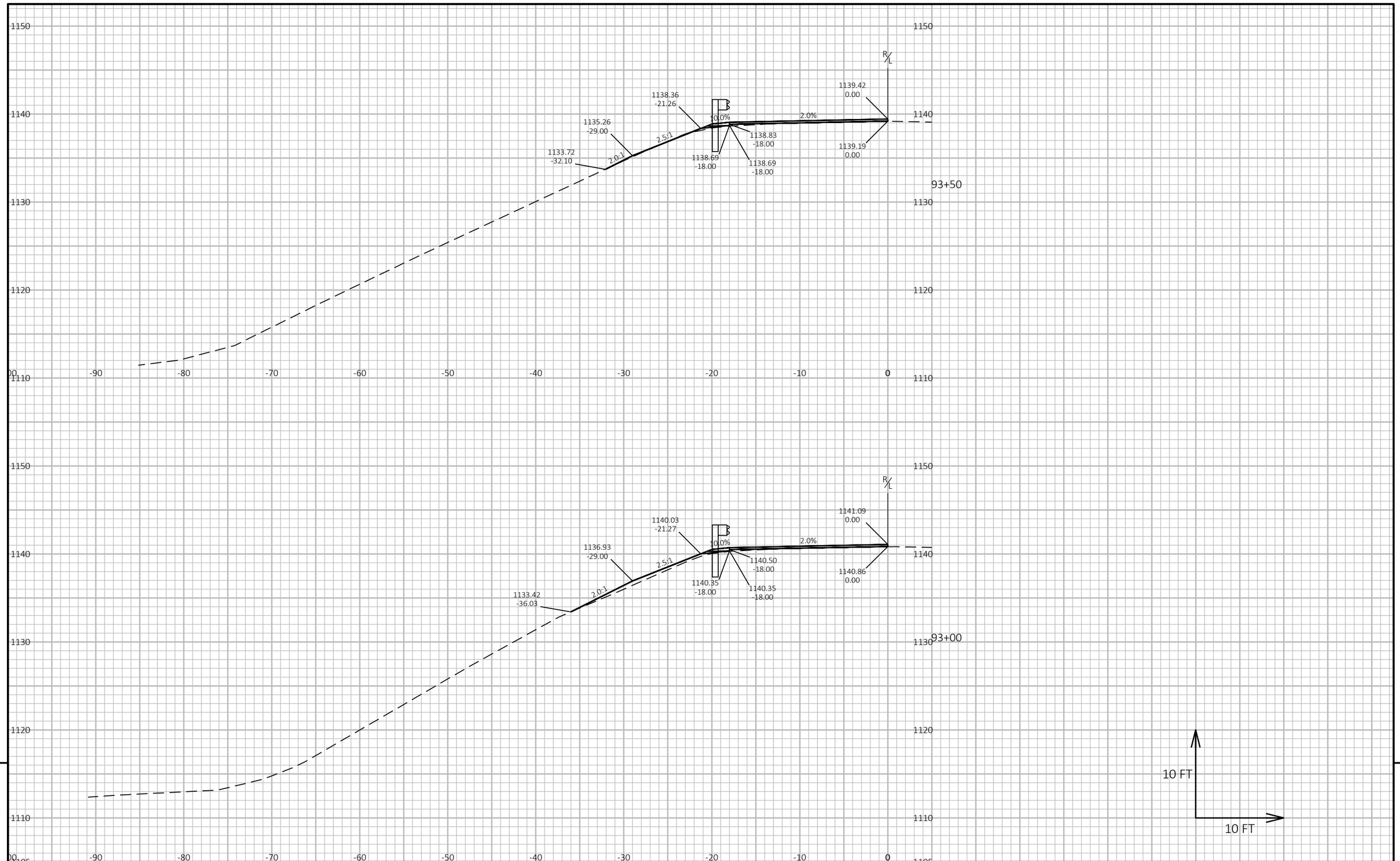
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 228	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 032

PLOT DATE : 10/21/2025 1:37 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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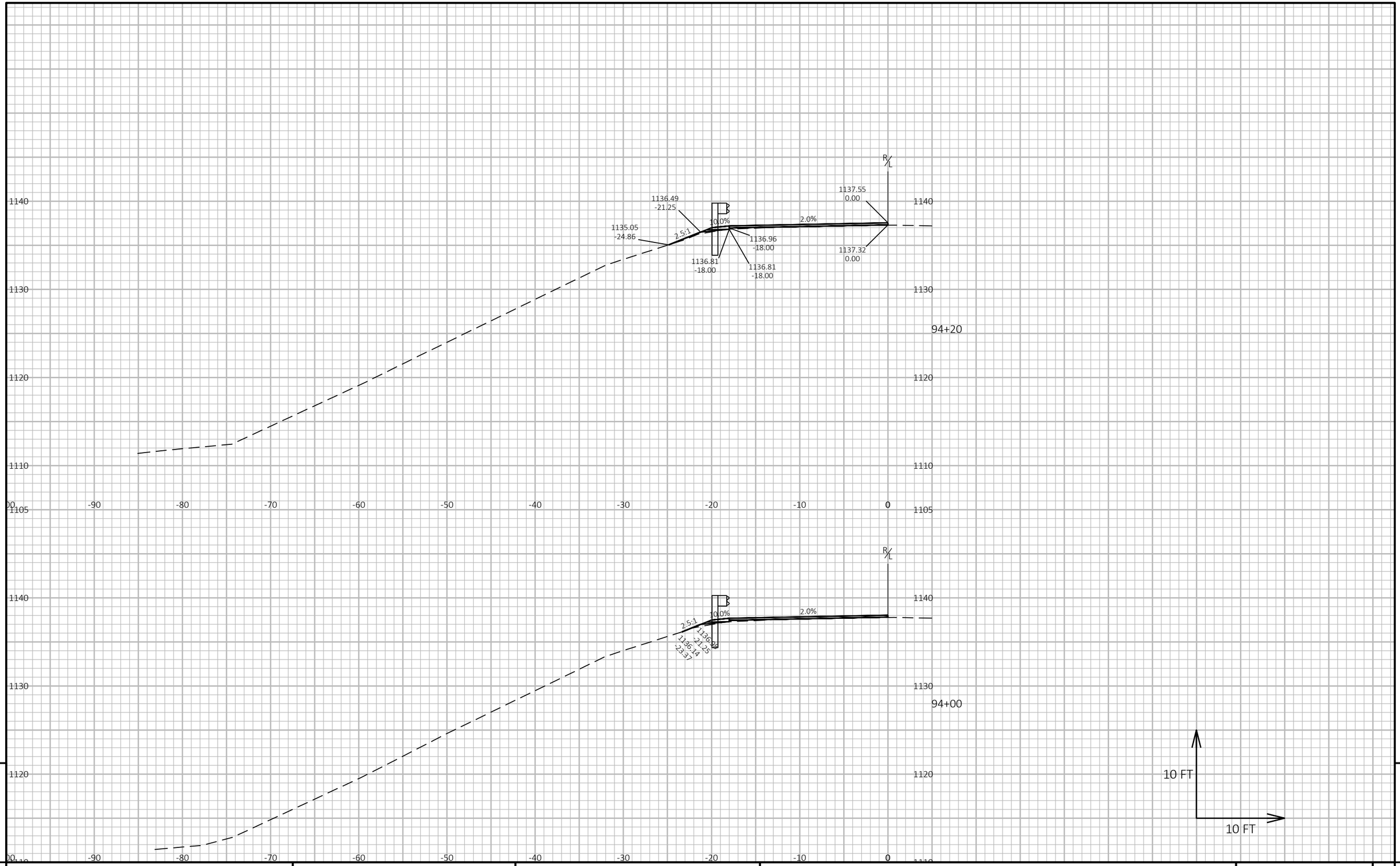
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 229	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 033

PLOT DATE : 10/21/2025 1:37 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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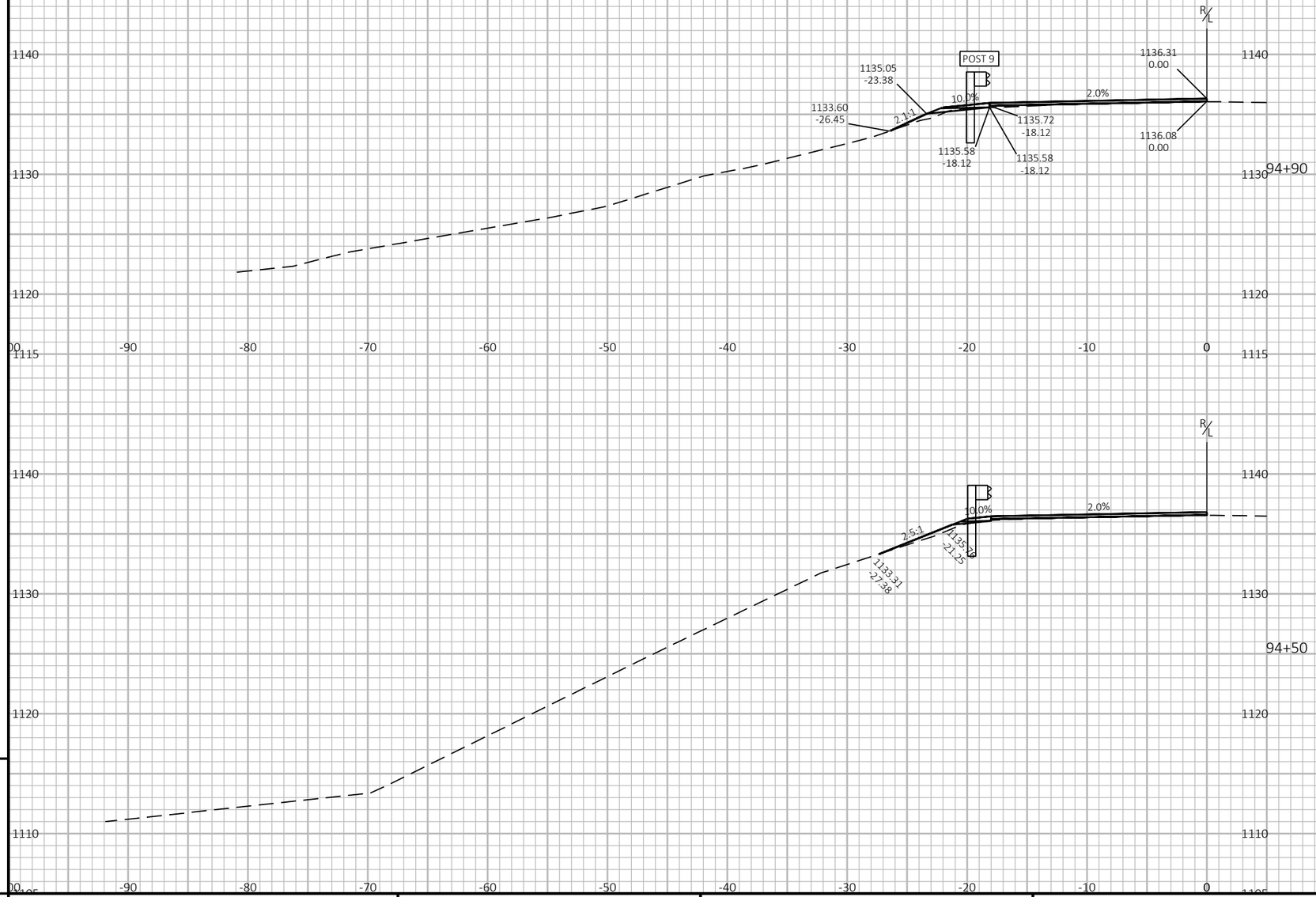
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 230	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 034

PLOT DATE : 10/21/2025 1:37 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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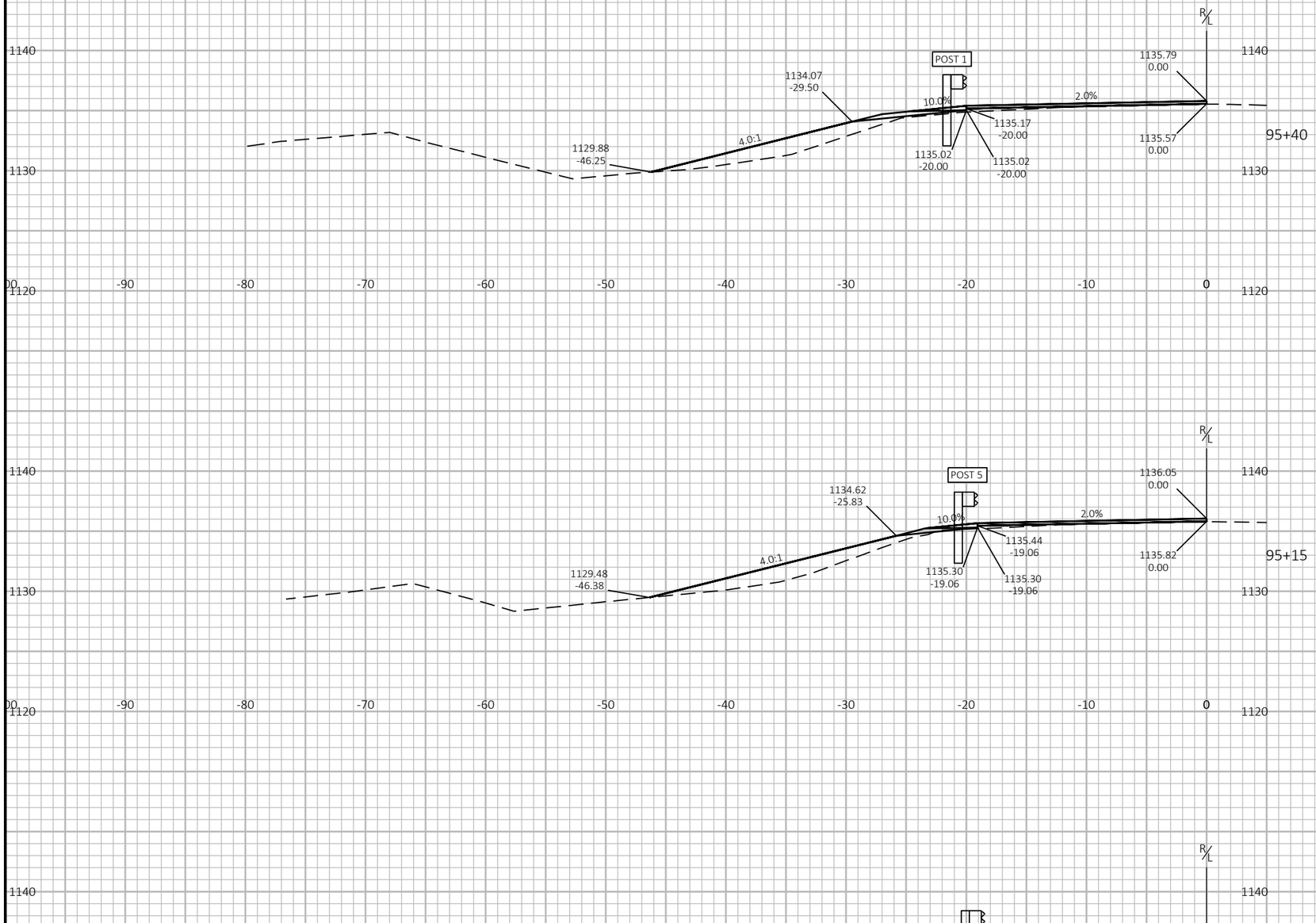
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 231	E

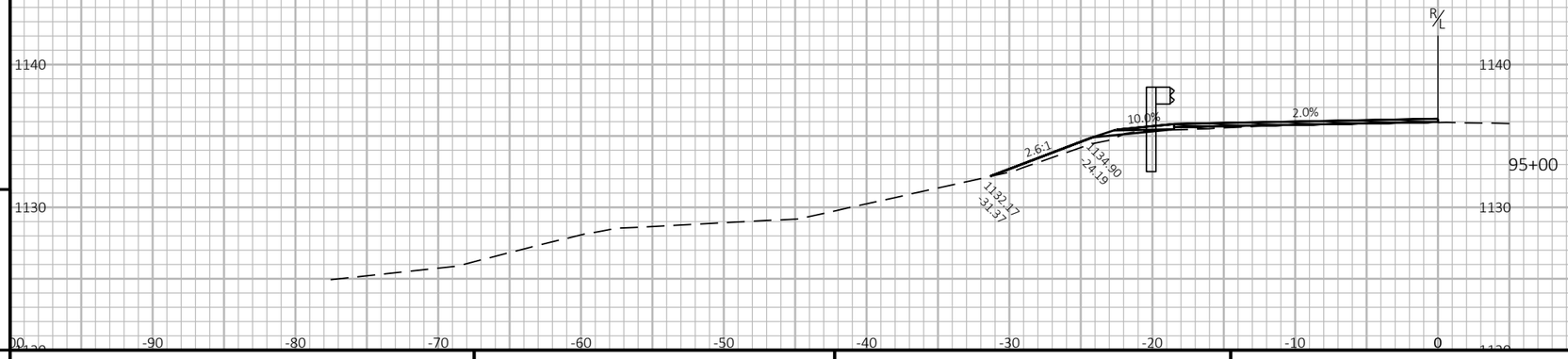
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 035

PLOT DATE : 10/21/2025 1:38 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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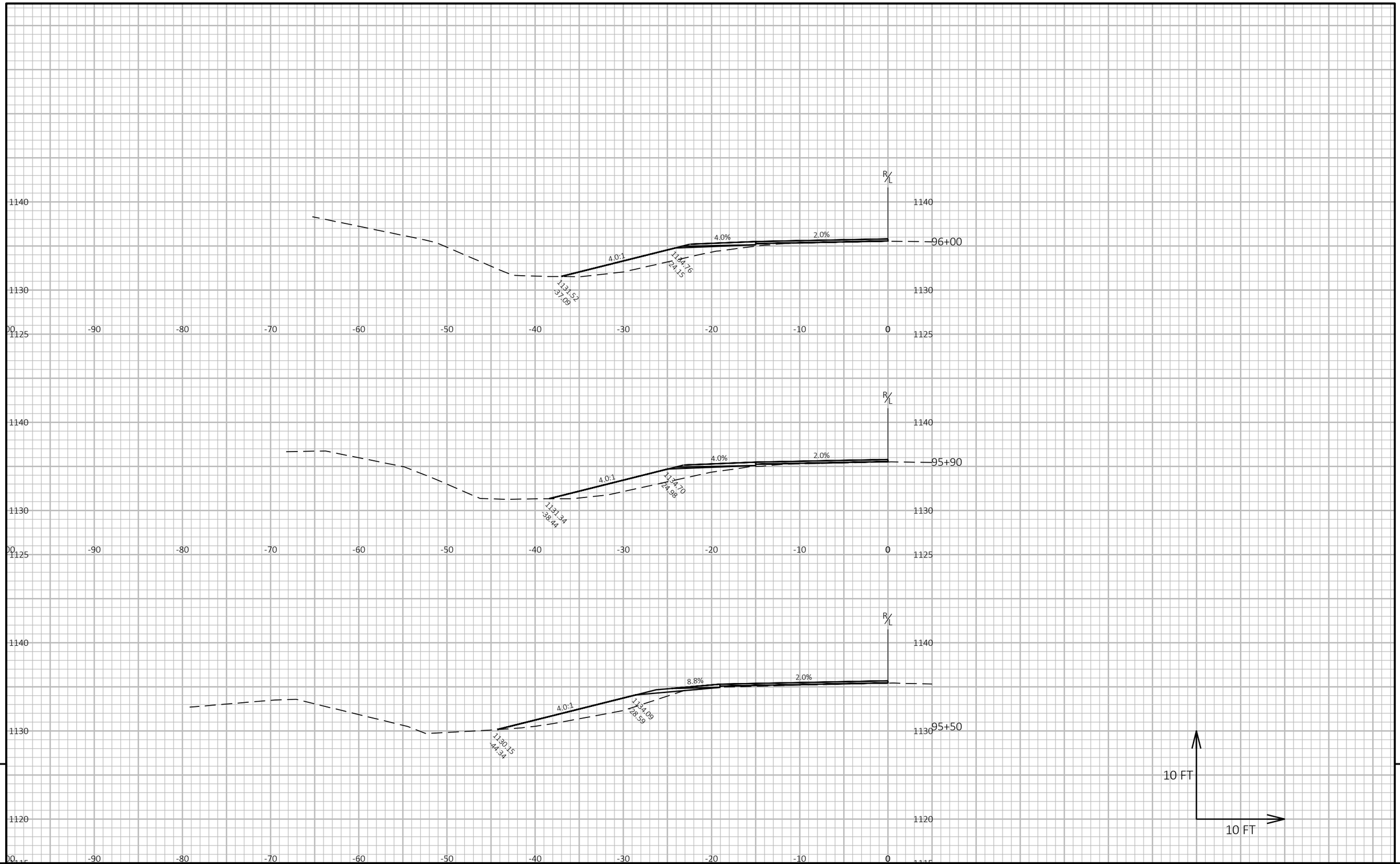
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 232	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 036

PLOT DATE : 10/21/2025 1:38 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 233	E

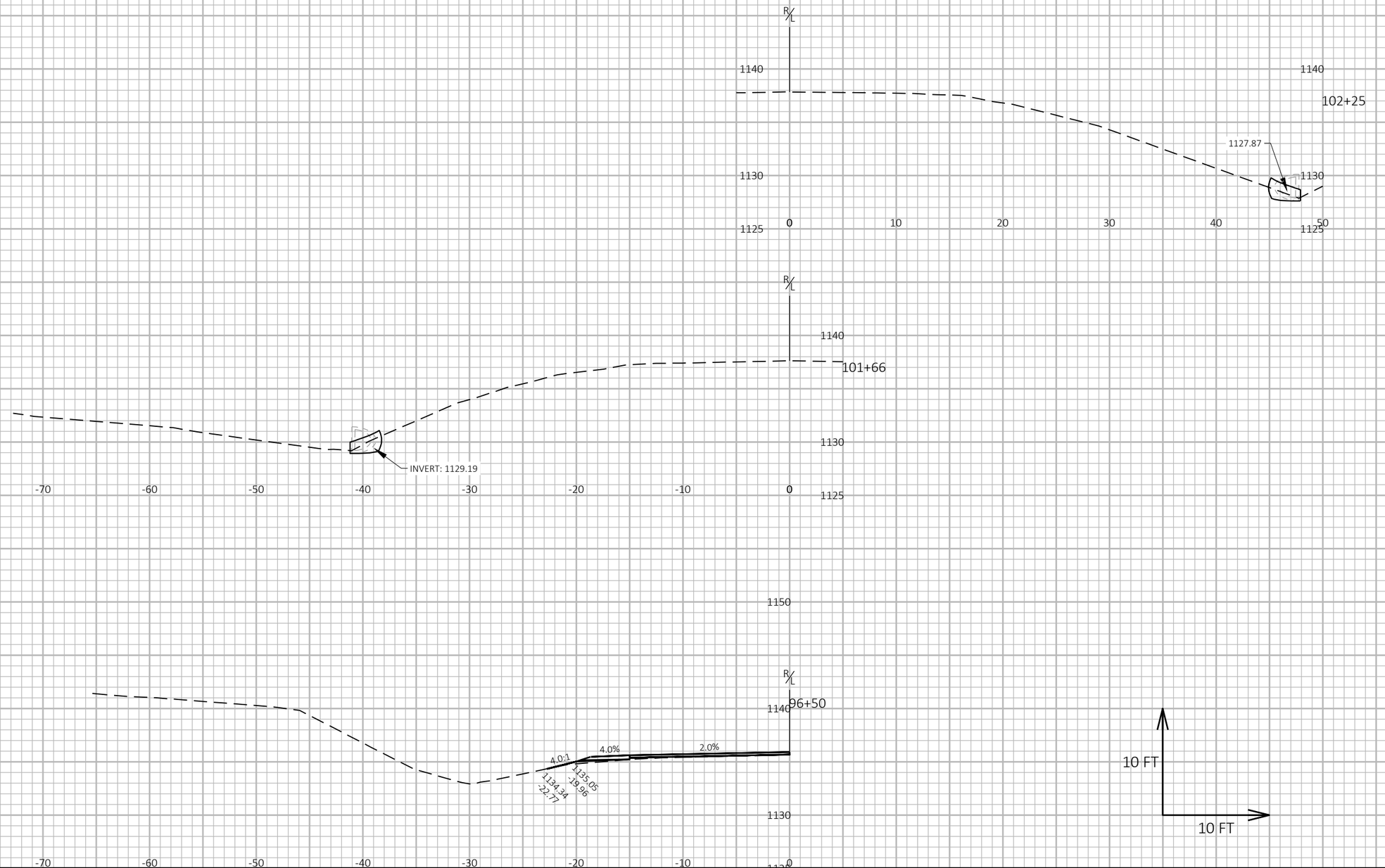
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 037

PLOT DATE : 10/21/2025 1:38 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION



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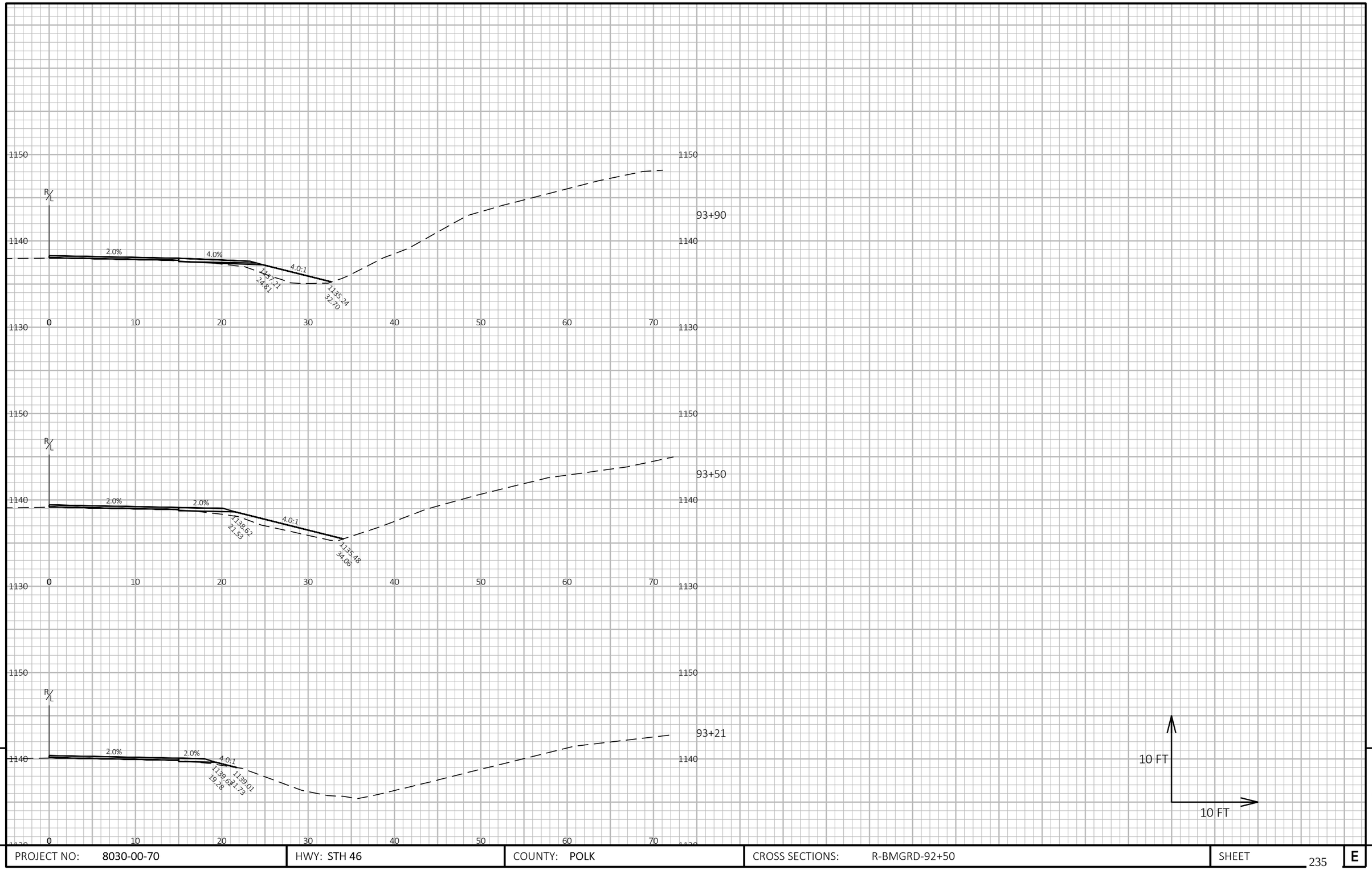
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-81+49	SHEET 234	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 038

PLOT DATE : 10/21/2025 1:39 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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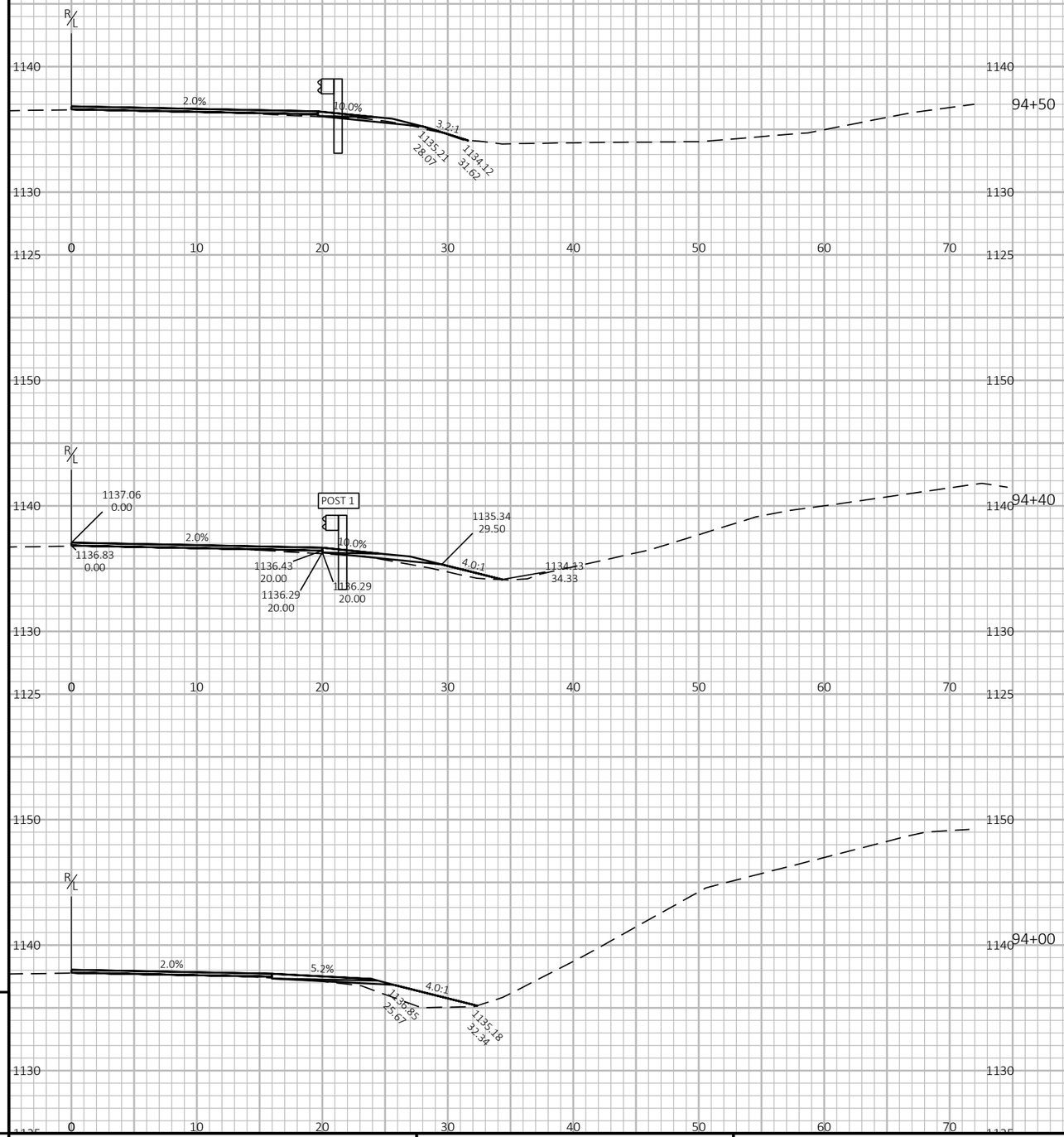
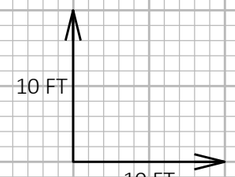
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-92+50	SHEET 235	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 039

PLOT DATE : 10/21/2025 1:39 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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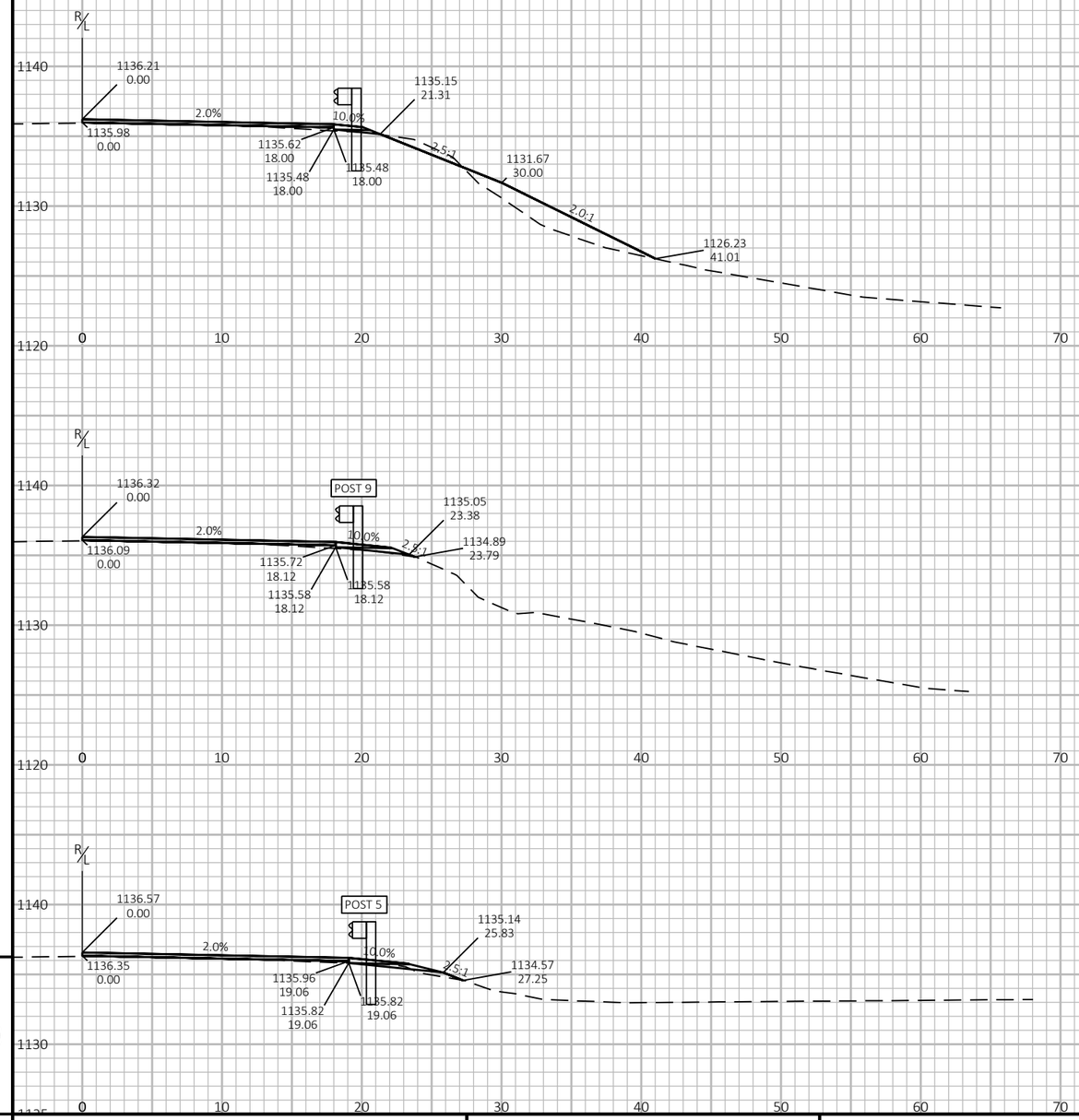
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-92+50	SHEET 236	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 040

PLOT DATE : 10/21/2025 1:39 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

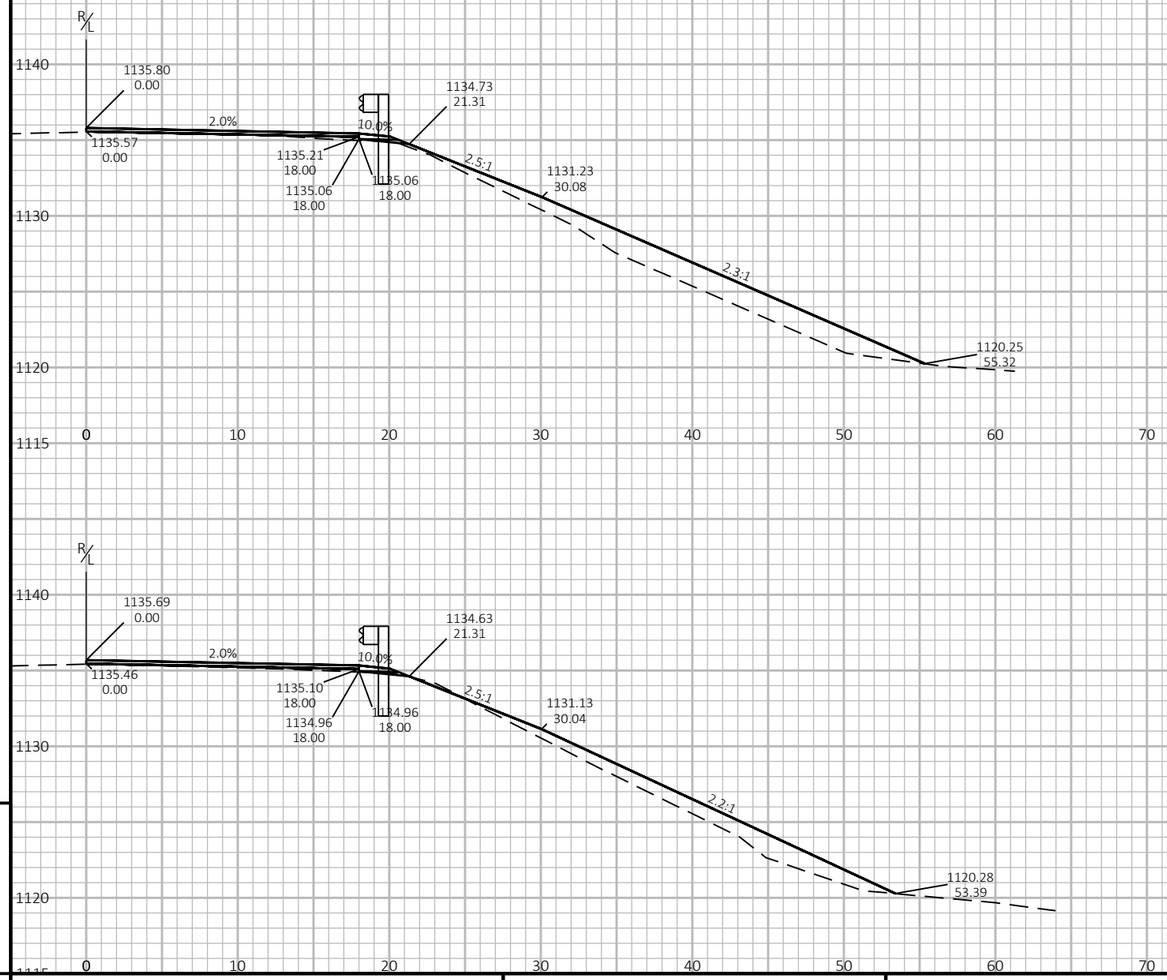
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-92+50	SHEET 237	E

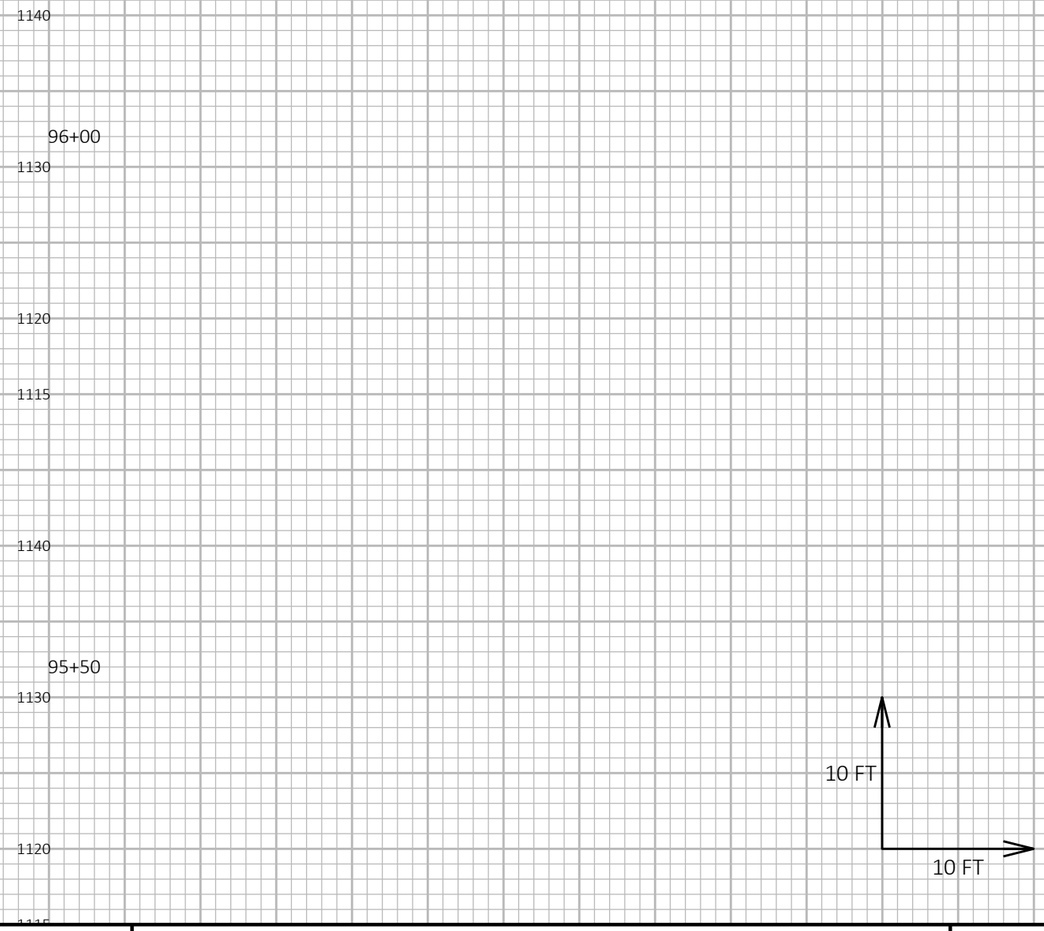
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 041

PLOT DATE : 10/21/2025 1:40 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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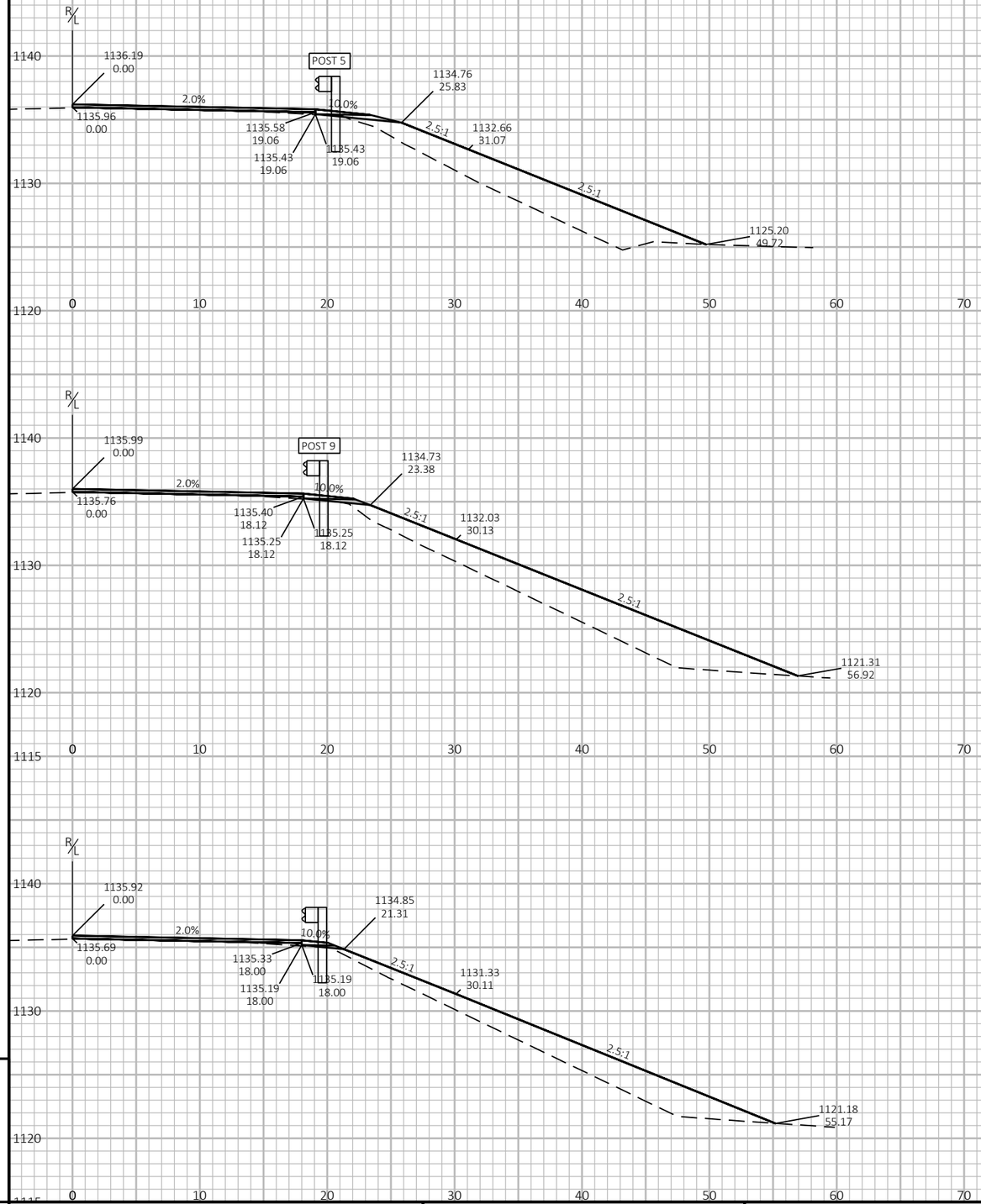
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-92+50	SHEET 238	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 042

PLOT DATE : 10/21/2025 1:40 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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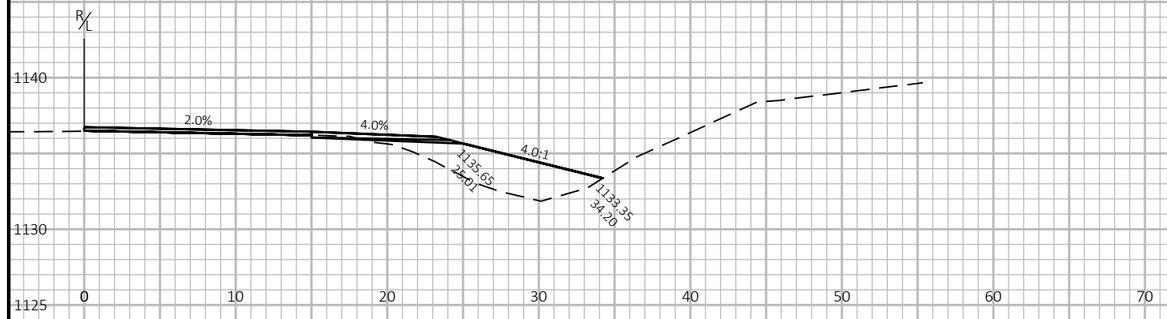
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-92+50	SHEET 239	E

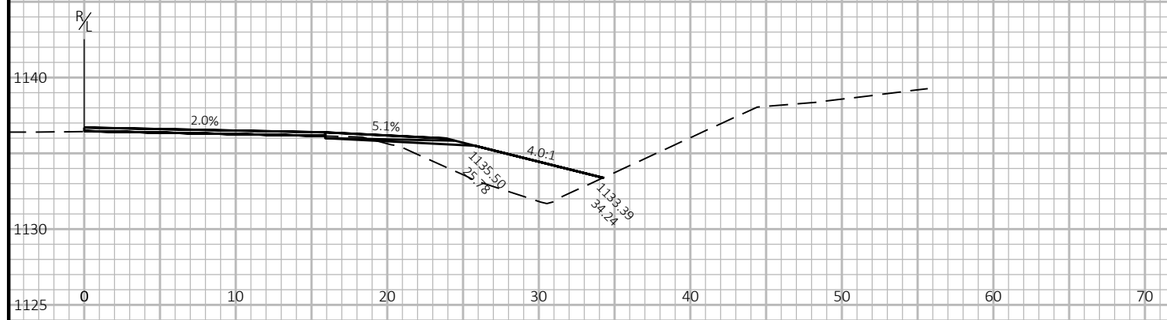
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 043

PLOT DATE : 10/21/2025 1:40 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

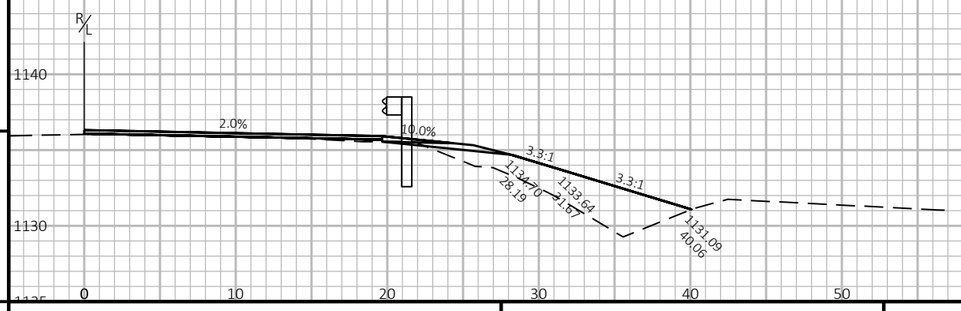


97+59

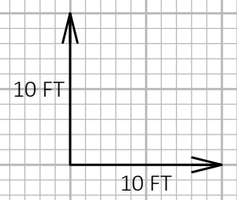


97+50

97+09



97+00



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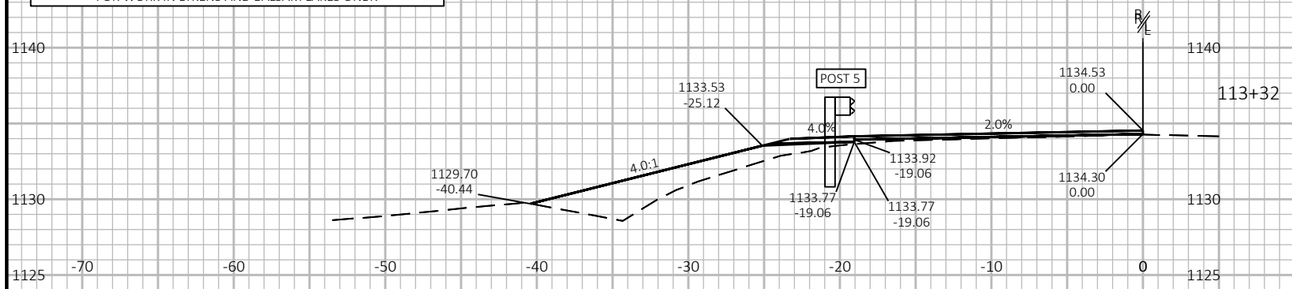
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-92+50	SHEET 240	E

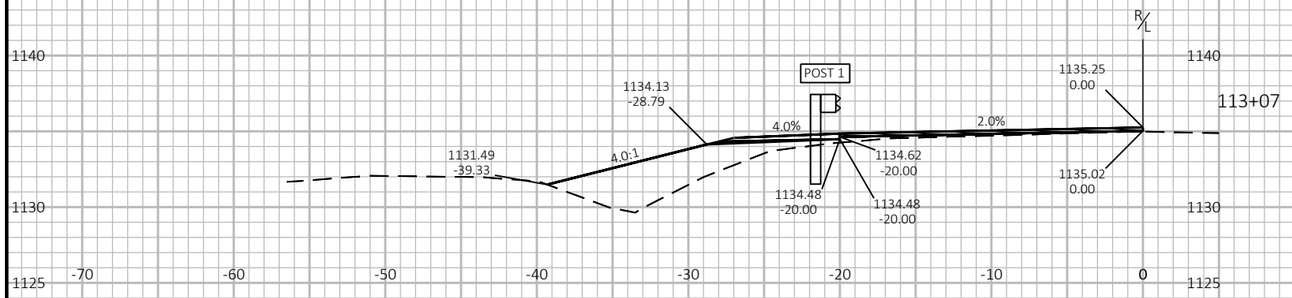
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 044

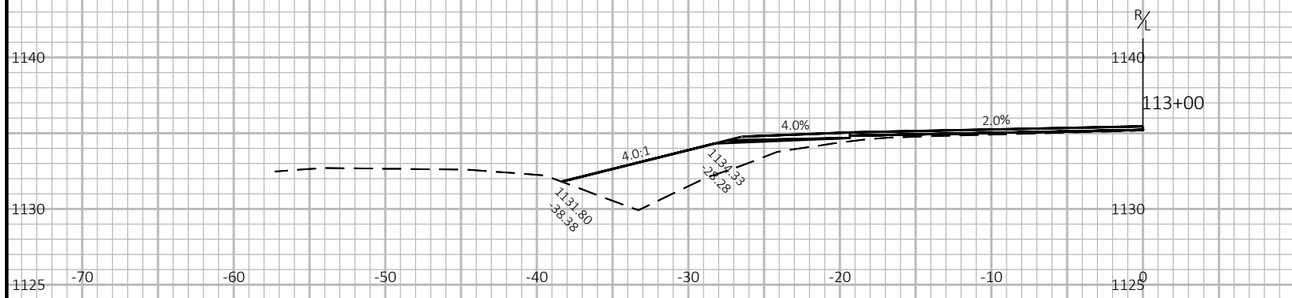
PLOT DATE : 10/21/2025 1:41 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

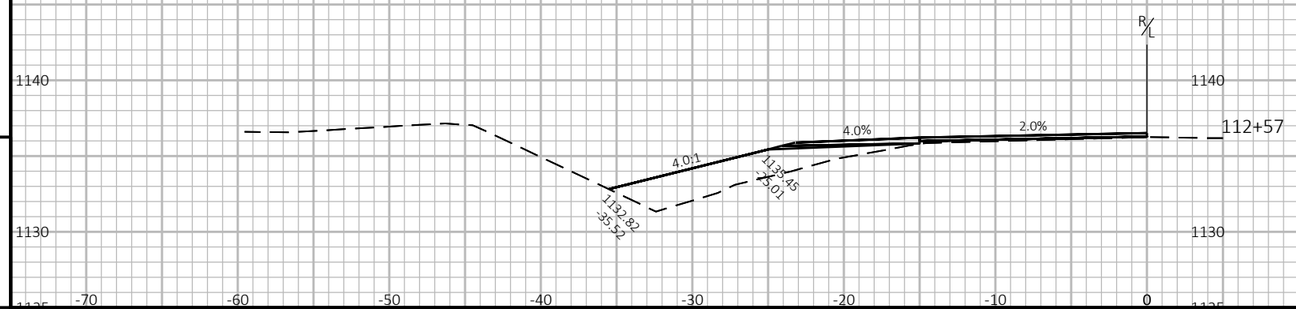
WISDOT/CADDS SHEET 49

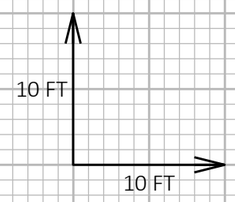
CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.











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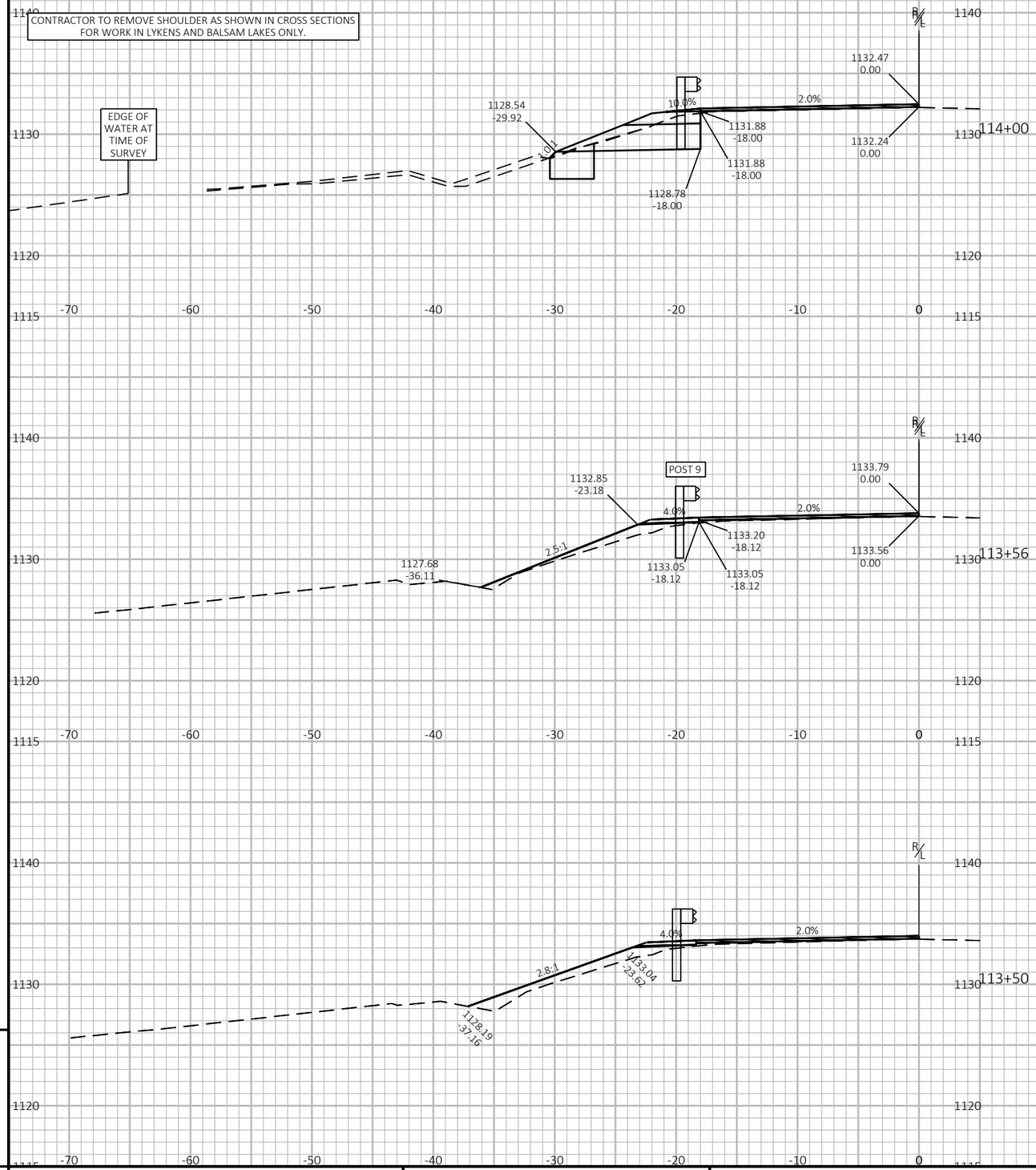
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 241	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 045

PLOT DATE : 10/21/2025 1:41 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



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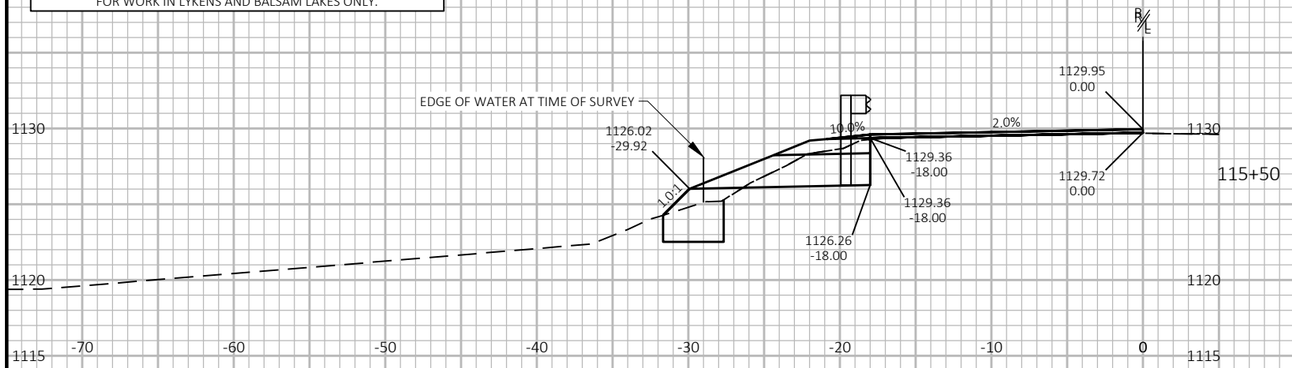
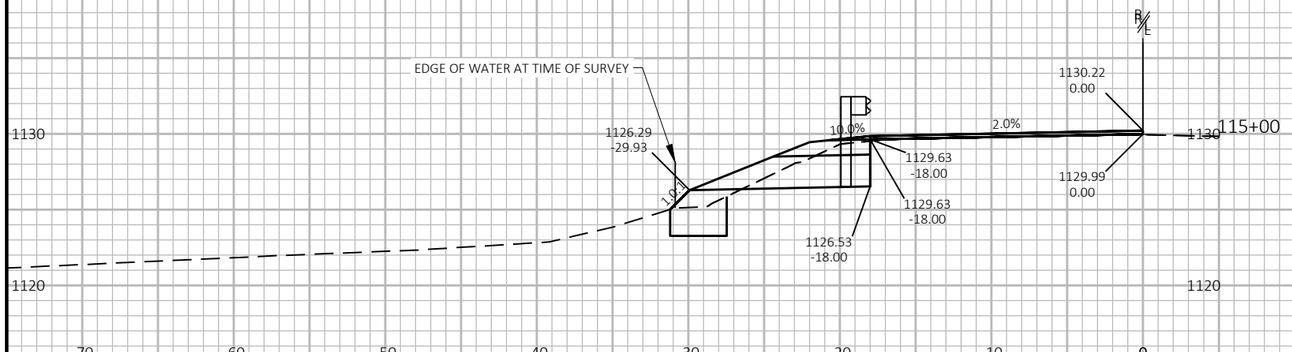
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 242	E

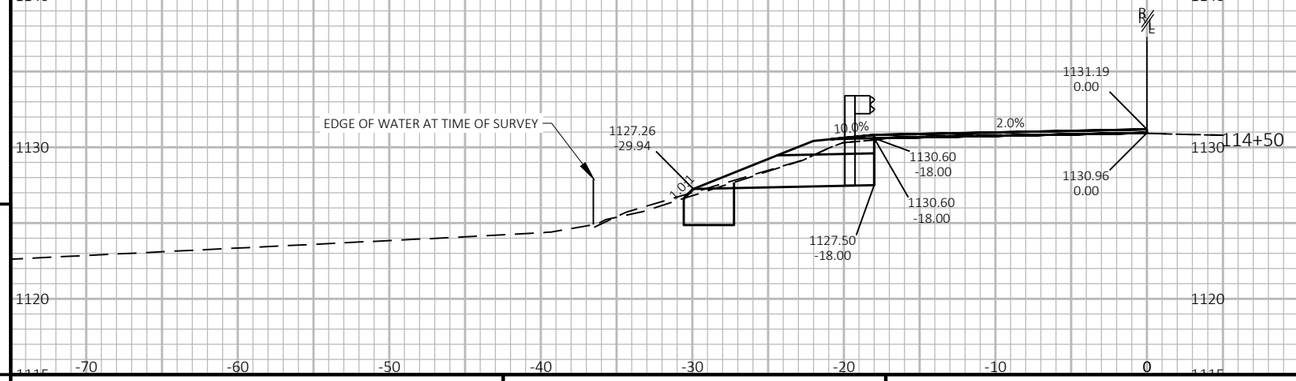
CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



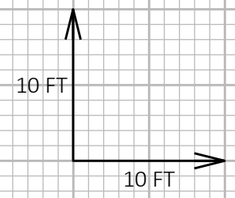
115+50



115+00



114+50



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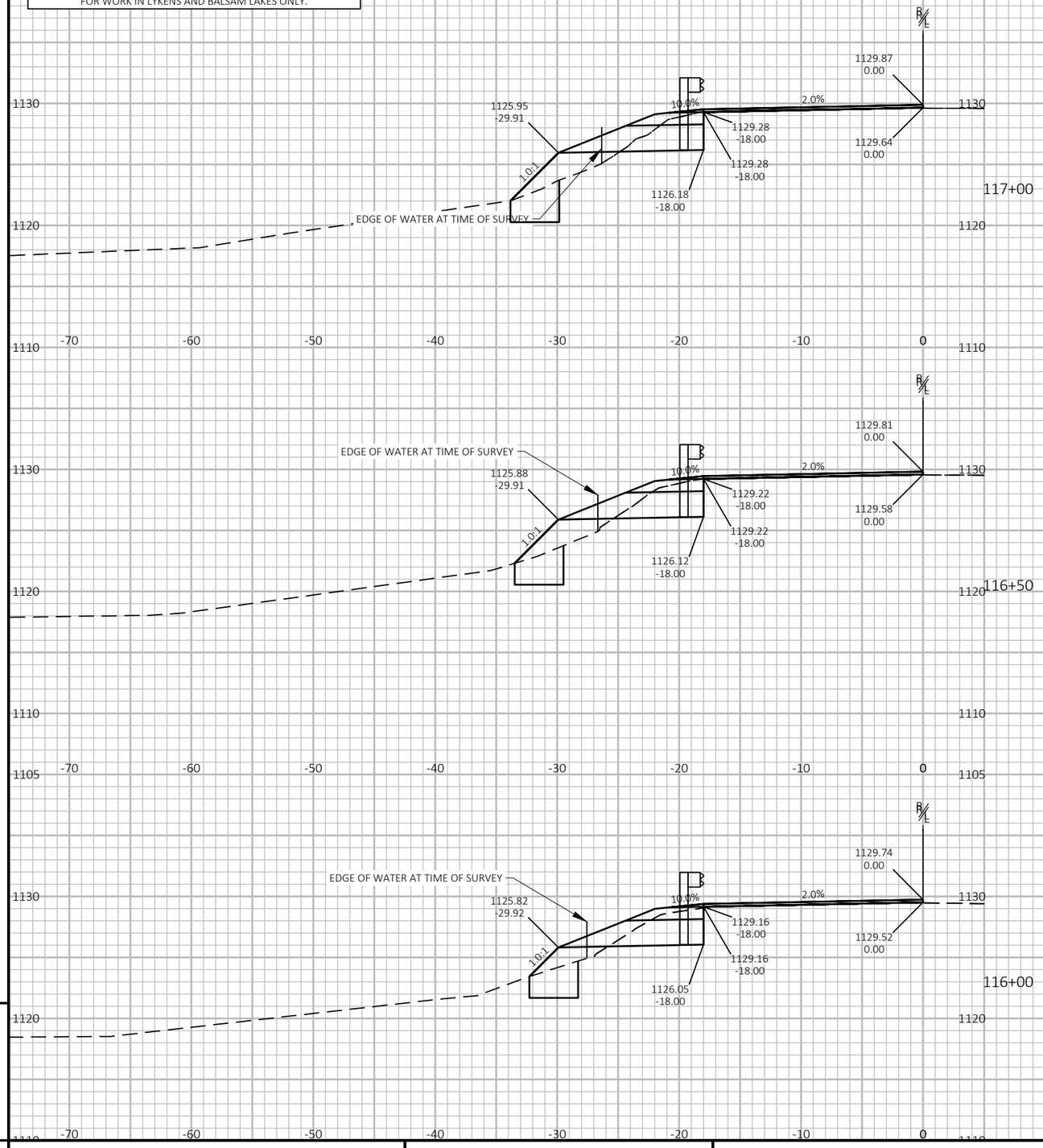
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 243	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 047

PLOT DATE : 10/21/2025 1:42 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 244	E

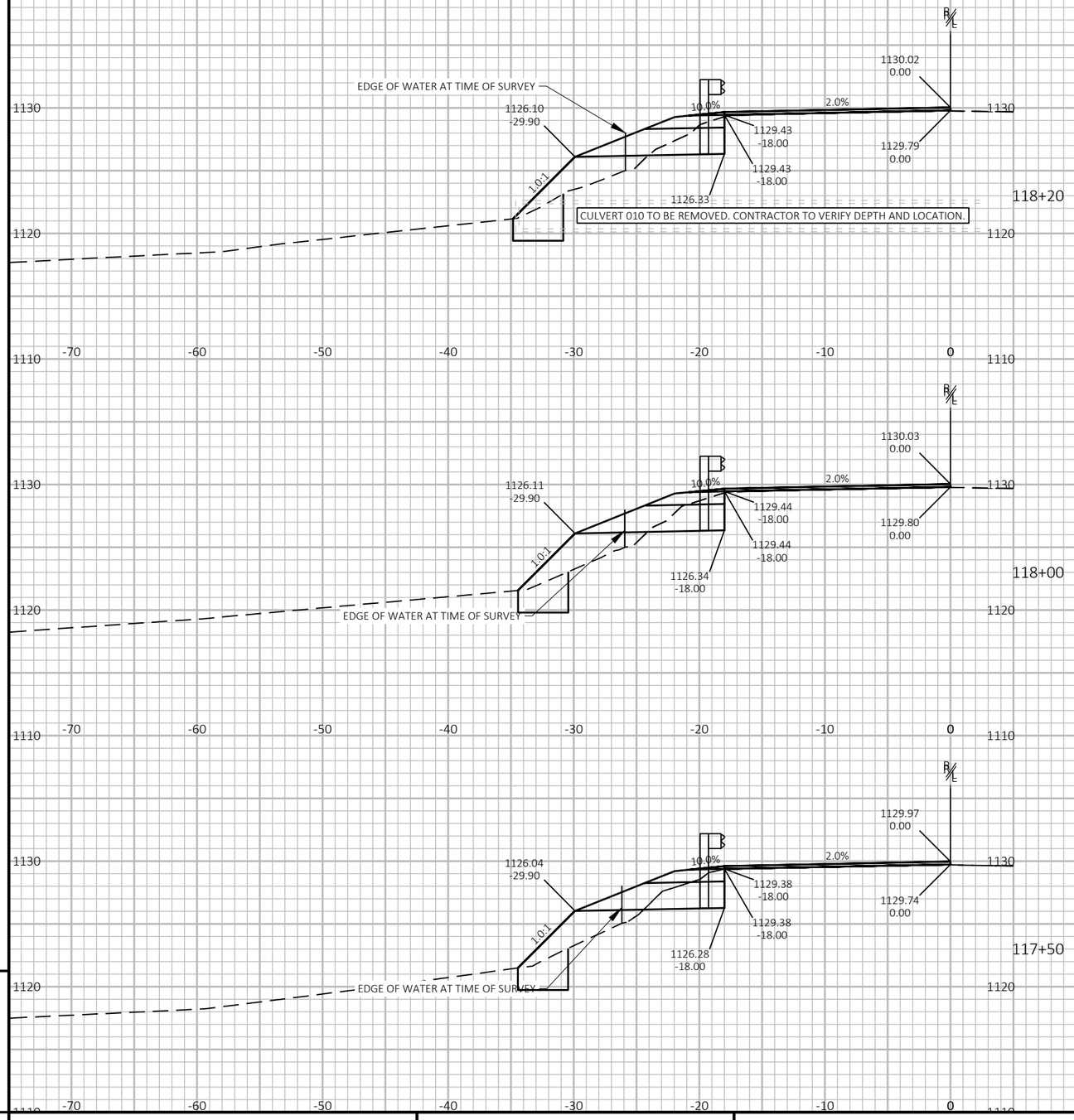
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 048

PLOT DATE : 10/21/2025 1:42 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



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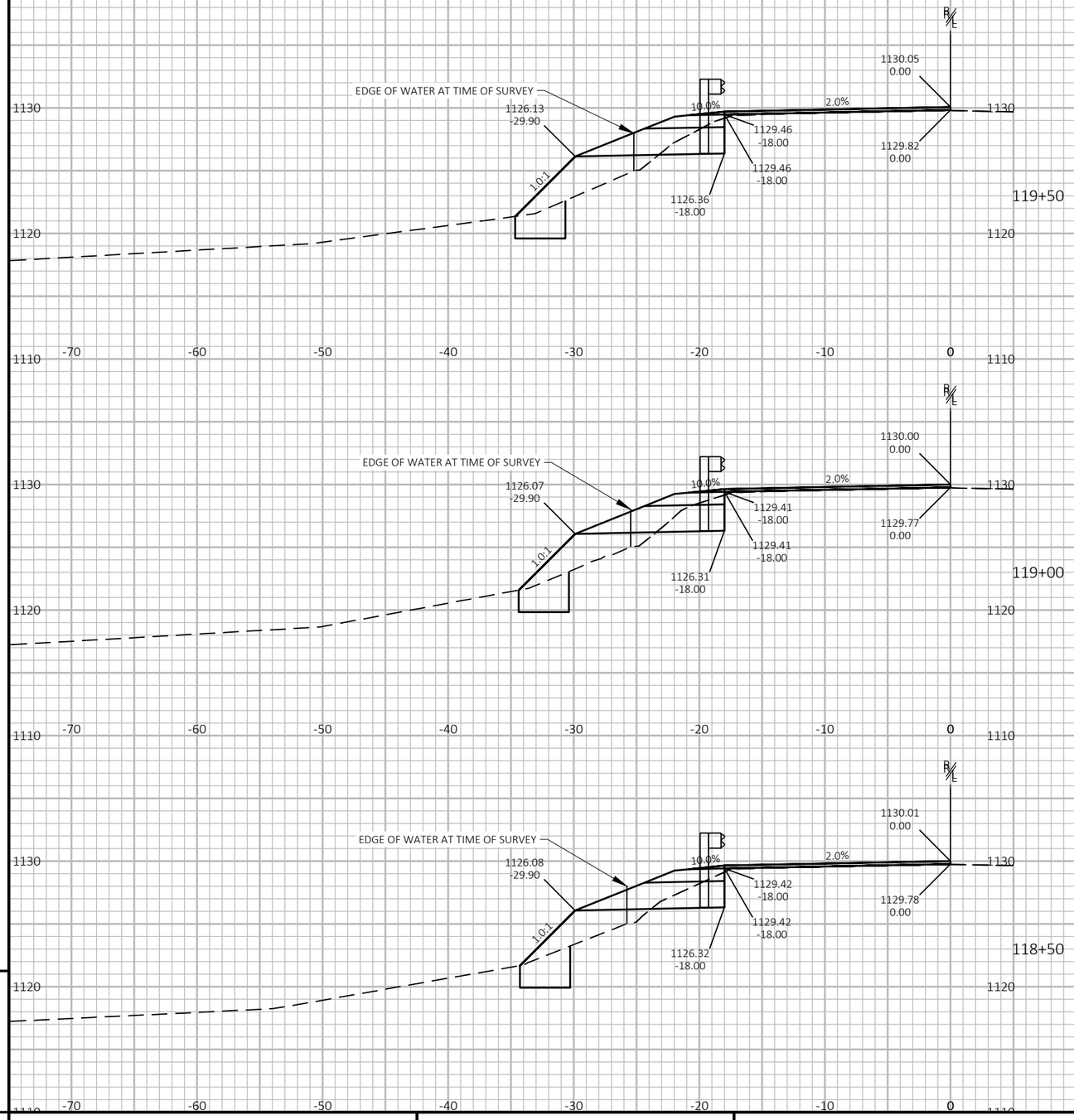
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 245	E

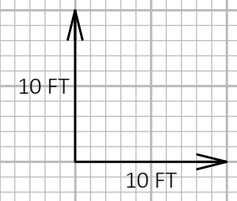
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 049

PLOT DATE : 10/21/2025 1:42 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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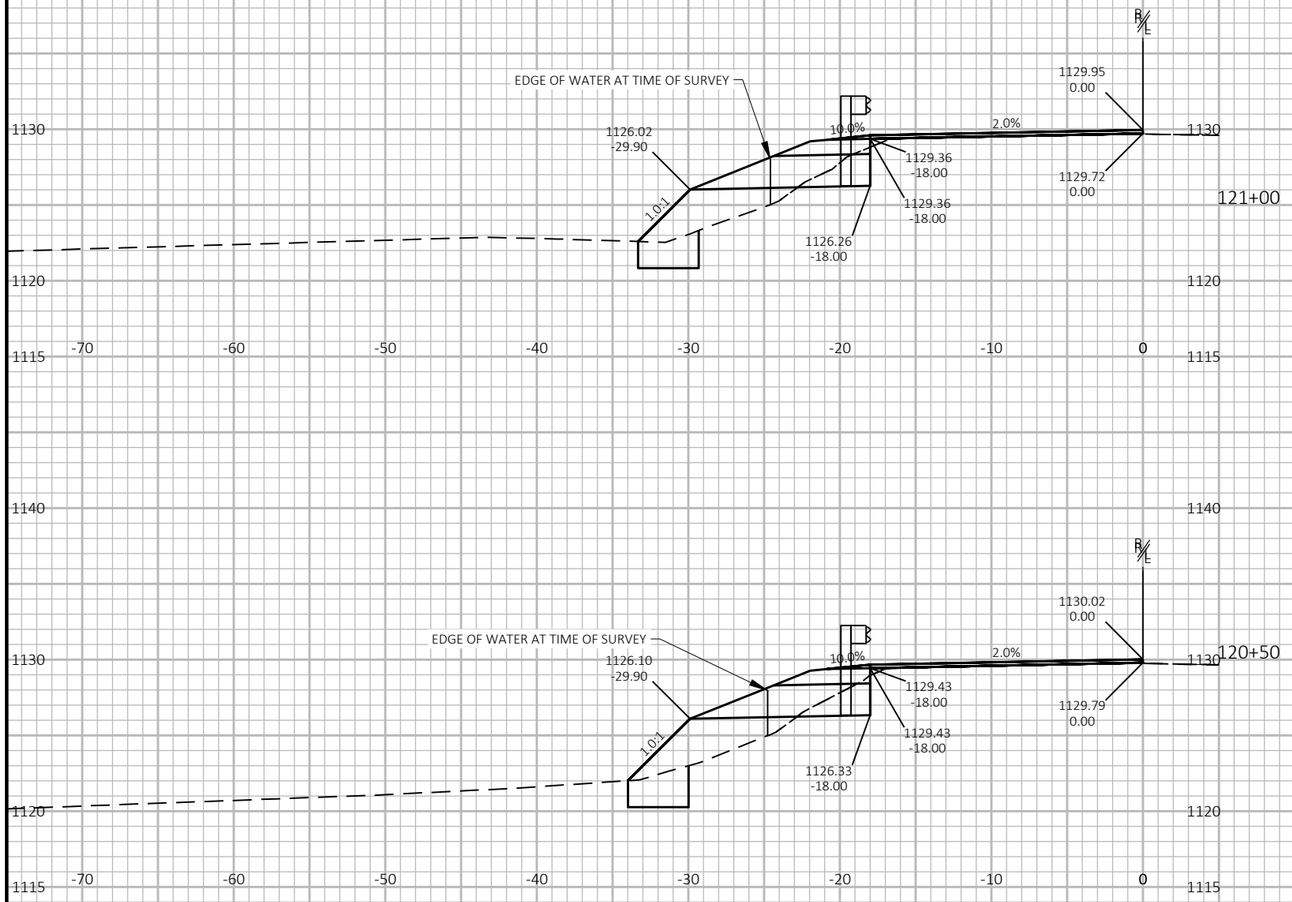
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 246	E

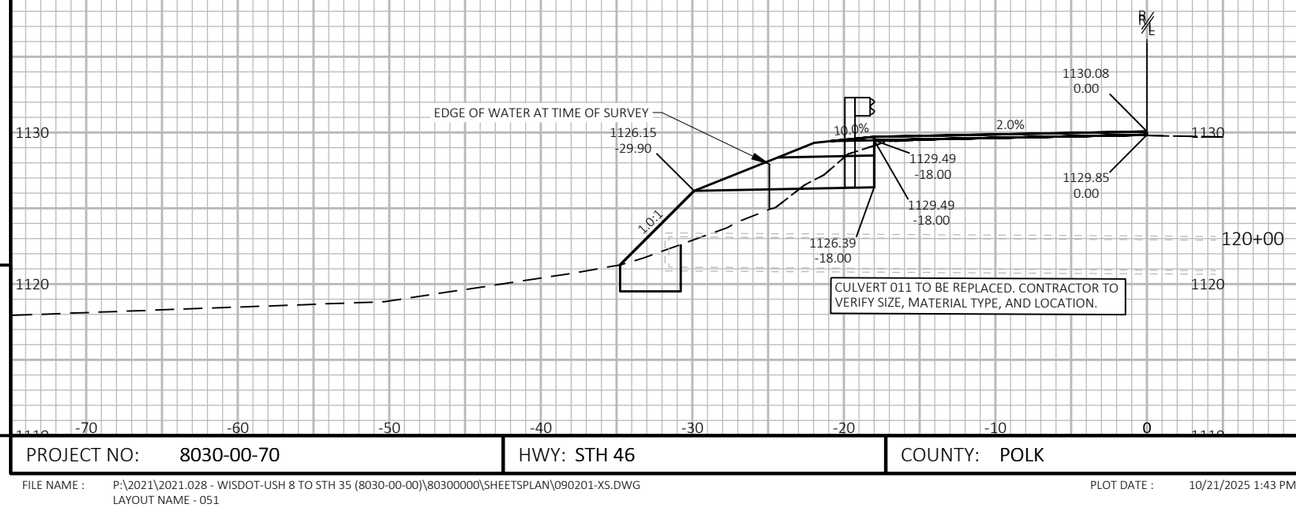
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 050

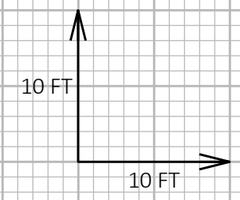
PLOT DATE : 10/21/2025 1:43 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.







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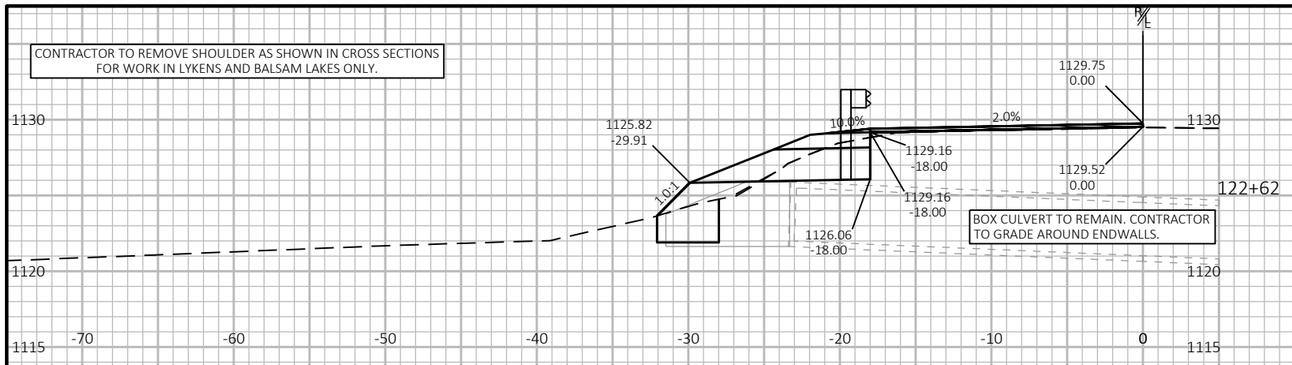
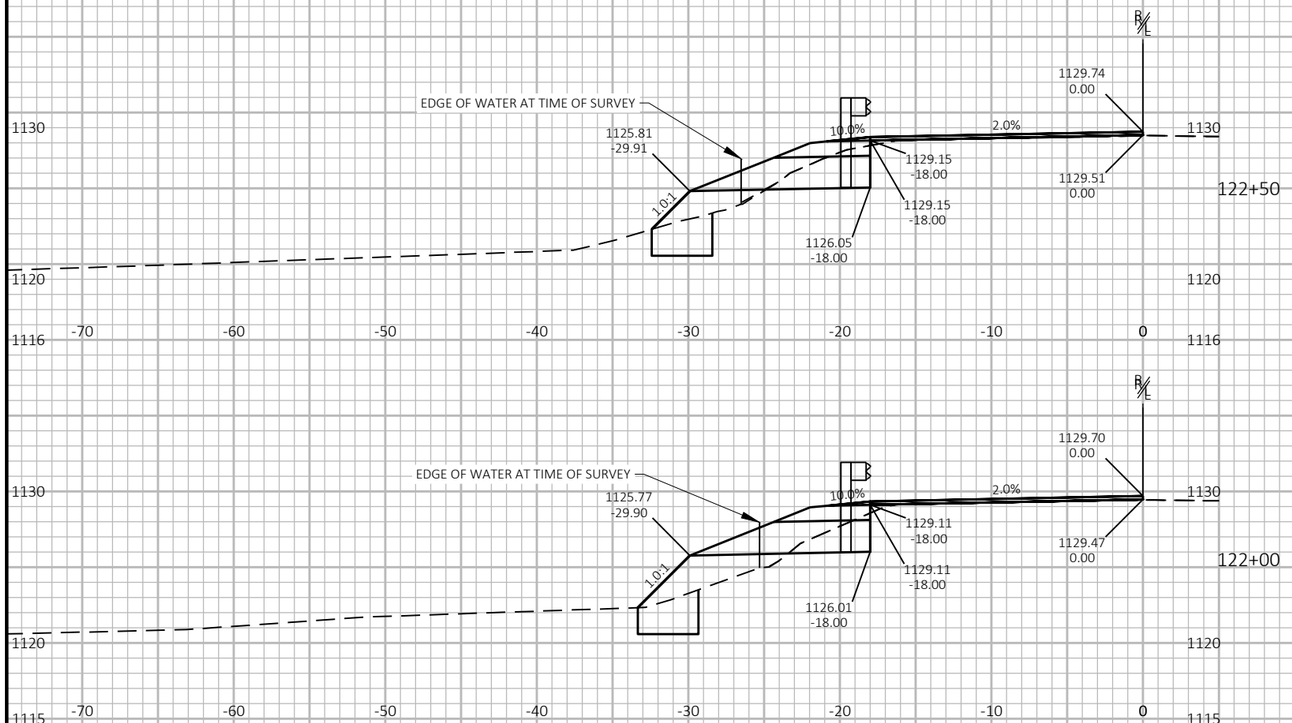
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 247	E

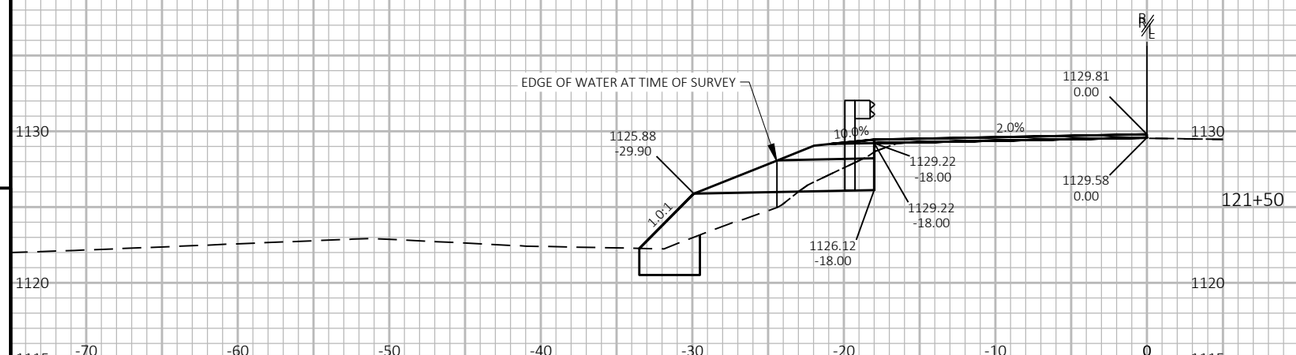
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 051

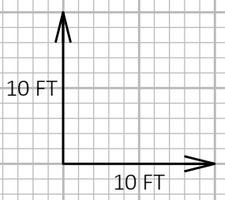
PLOT DATE : 10/21/2025 1:43 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.









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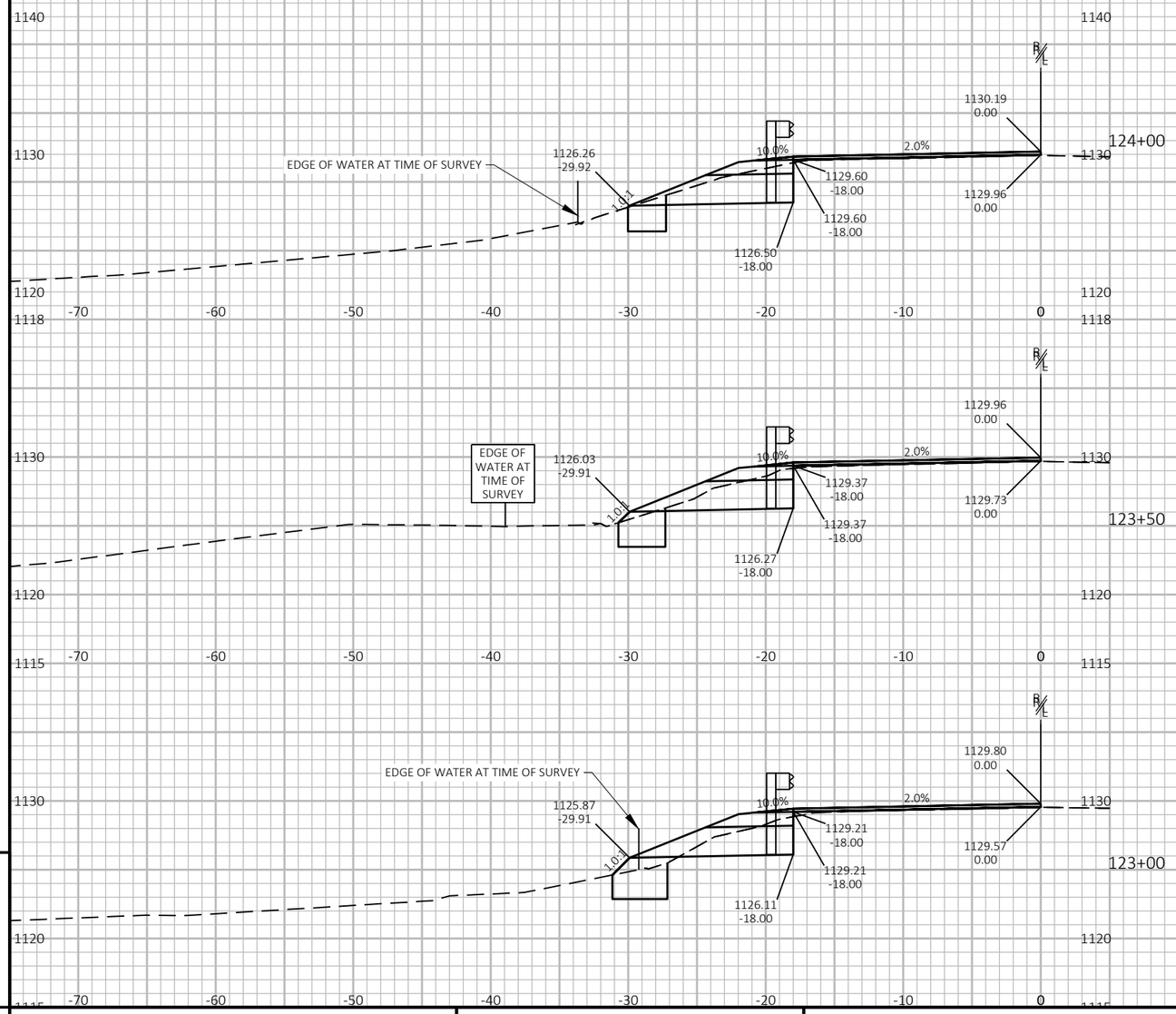
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 248	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 052
PLOT DATE : 10/21/2025 1:43 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 249	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 053

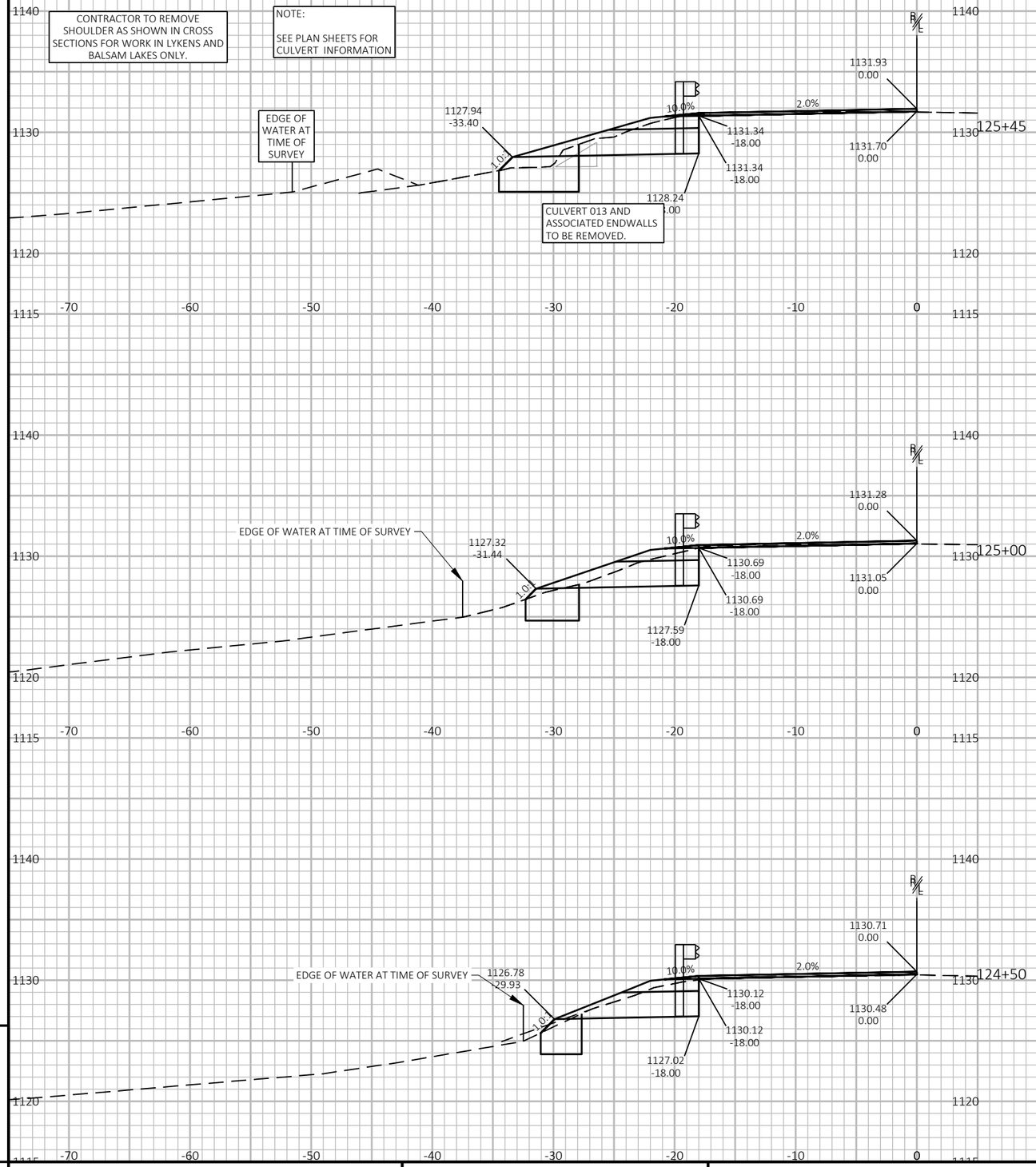
PLOT DATE : 10/21/2025 1:44 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.

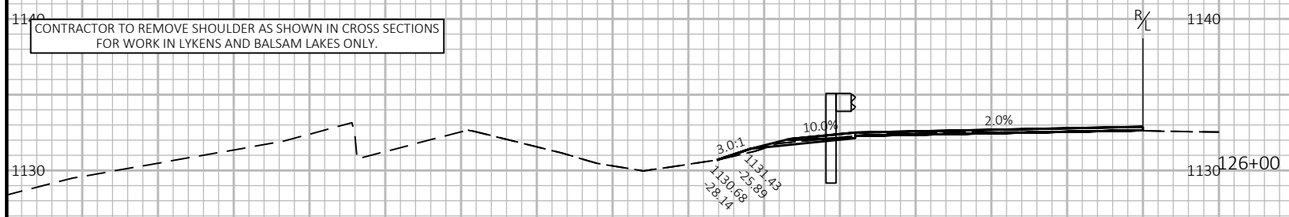
NOTE:

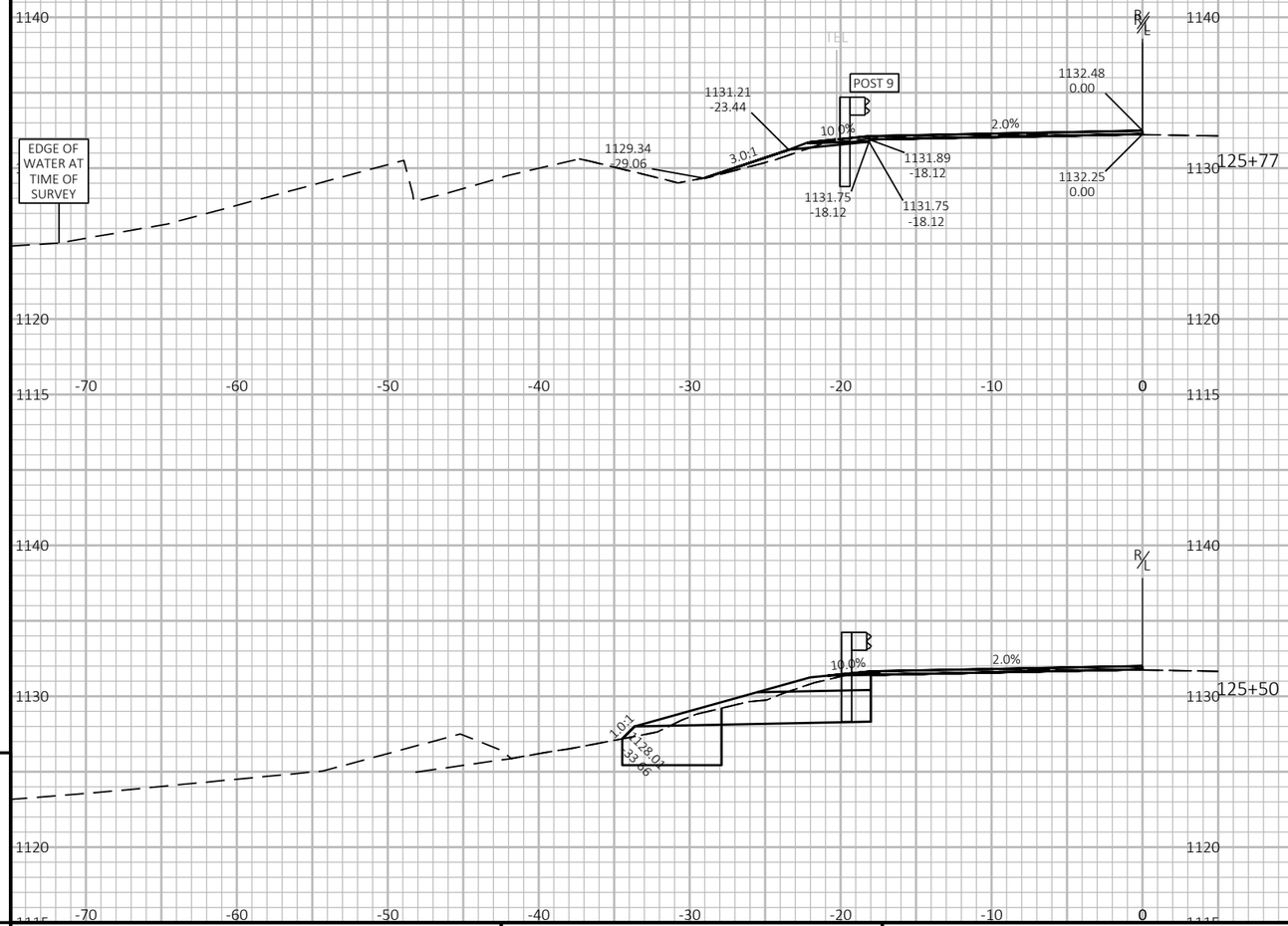
SEE PLAN SHEETS FOR CULVERT INFORMATION



PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 250	E

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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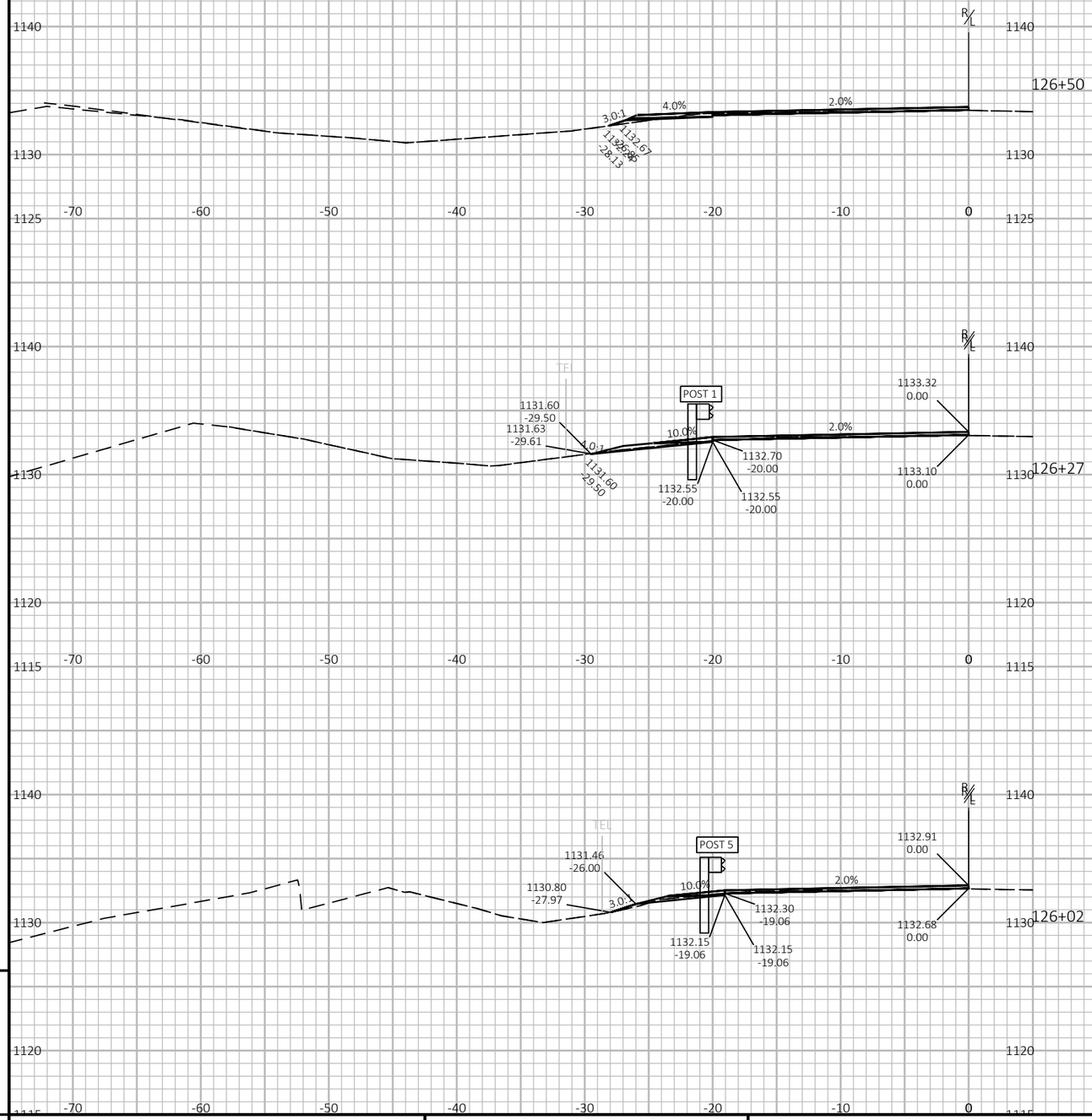
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 251	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 055

PLOT DATE : 10/21/2025 1:44 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



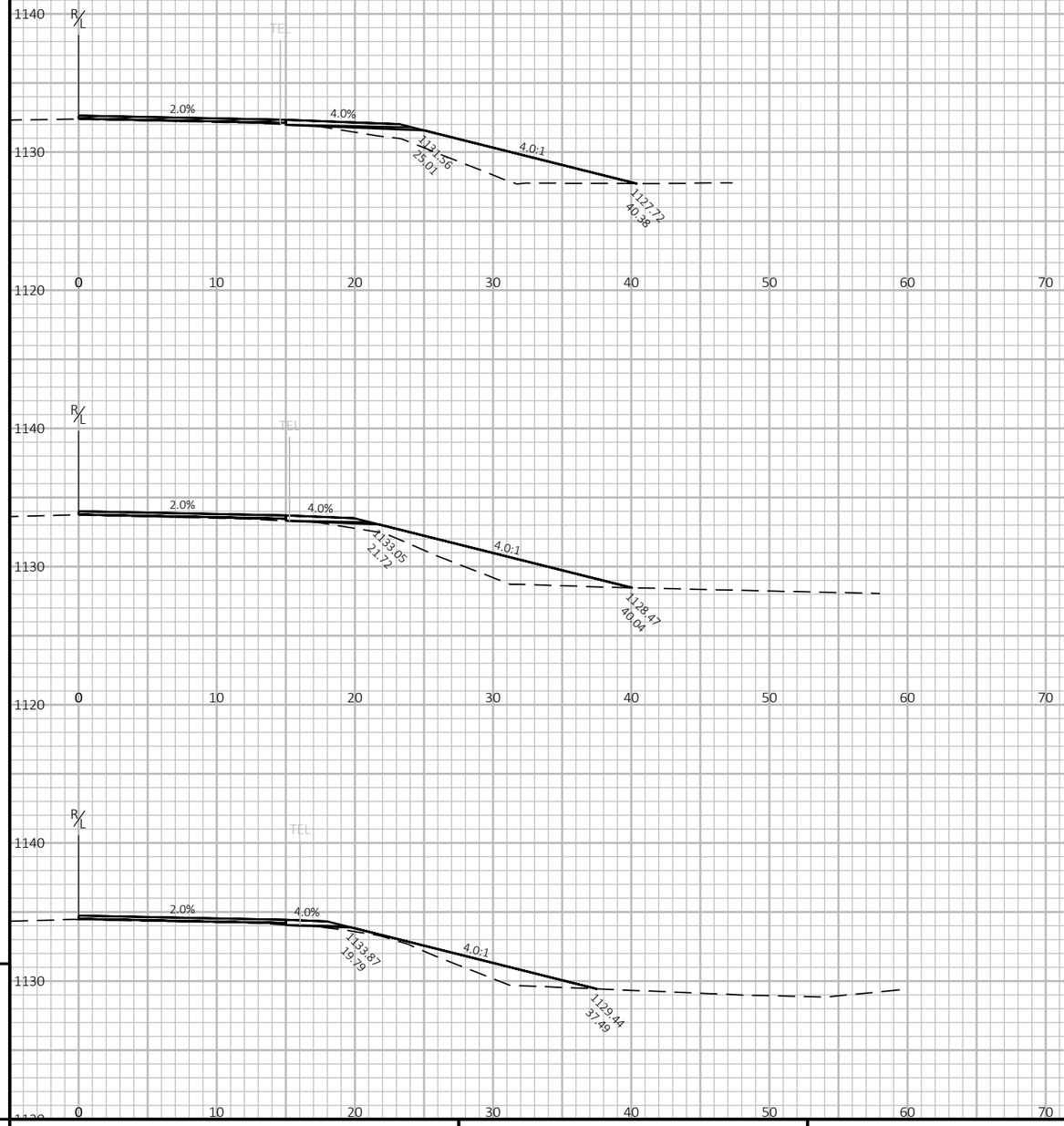
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-111+25	SHEET 252	E

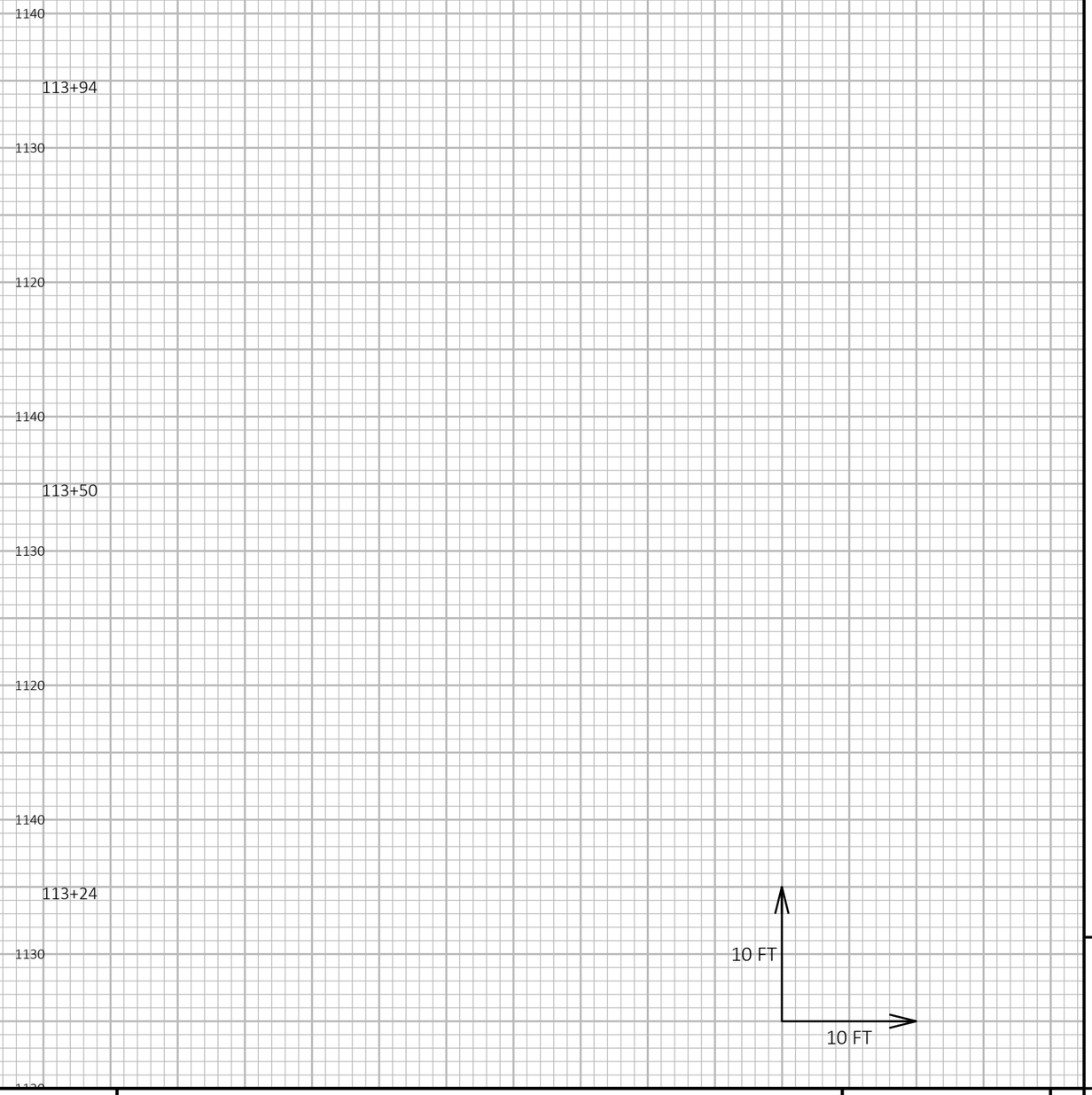
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 056

PLOT DATE : 10/21/2025 1:45 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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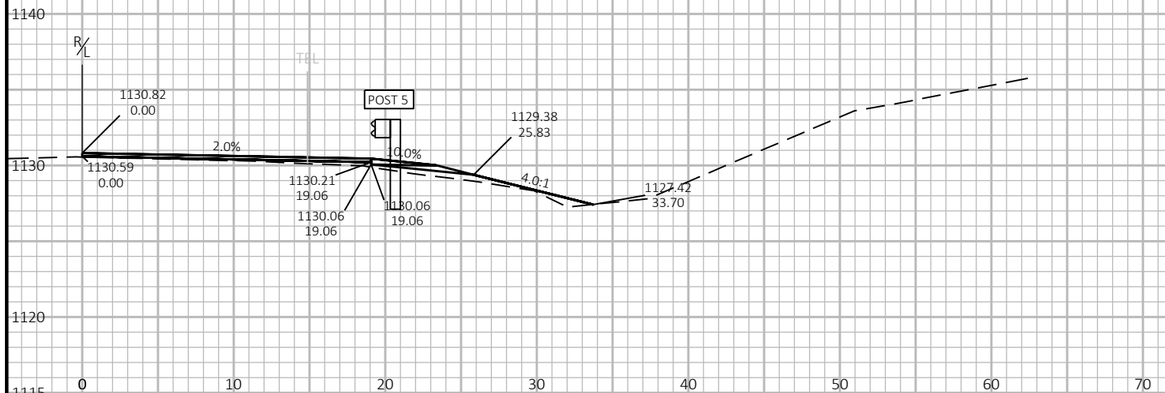
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 253	E

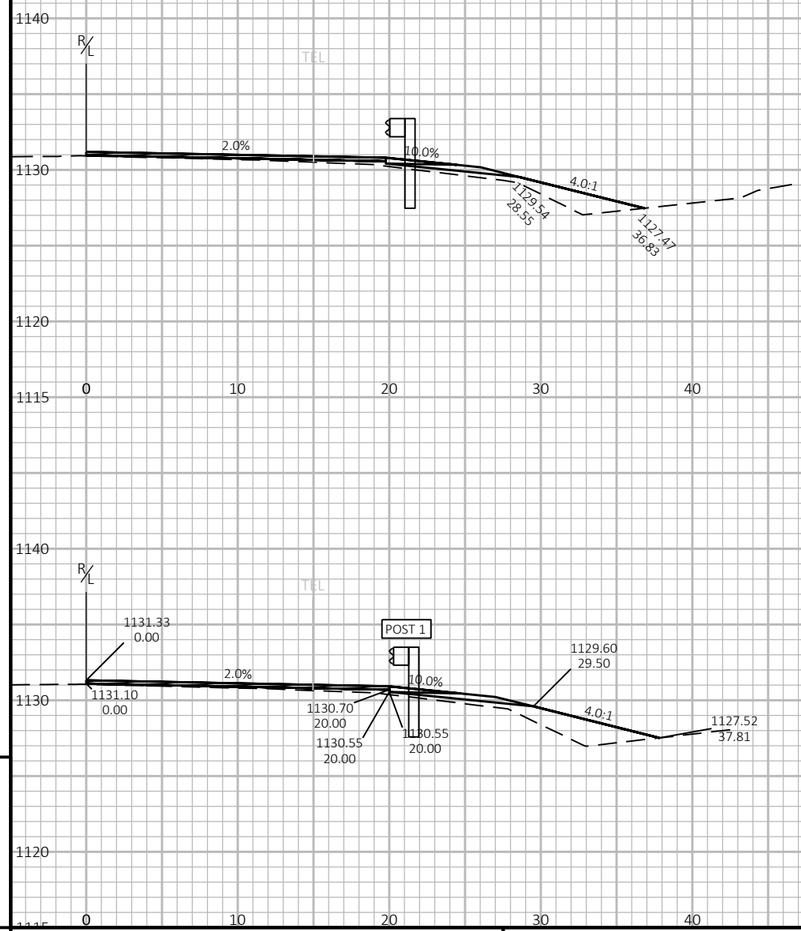
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 057

PLOT DATE : 10/21/2025 1:45 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS
FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





114+68

114+50

114+44

9

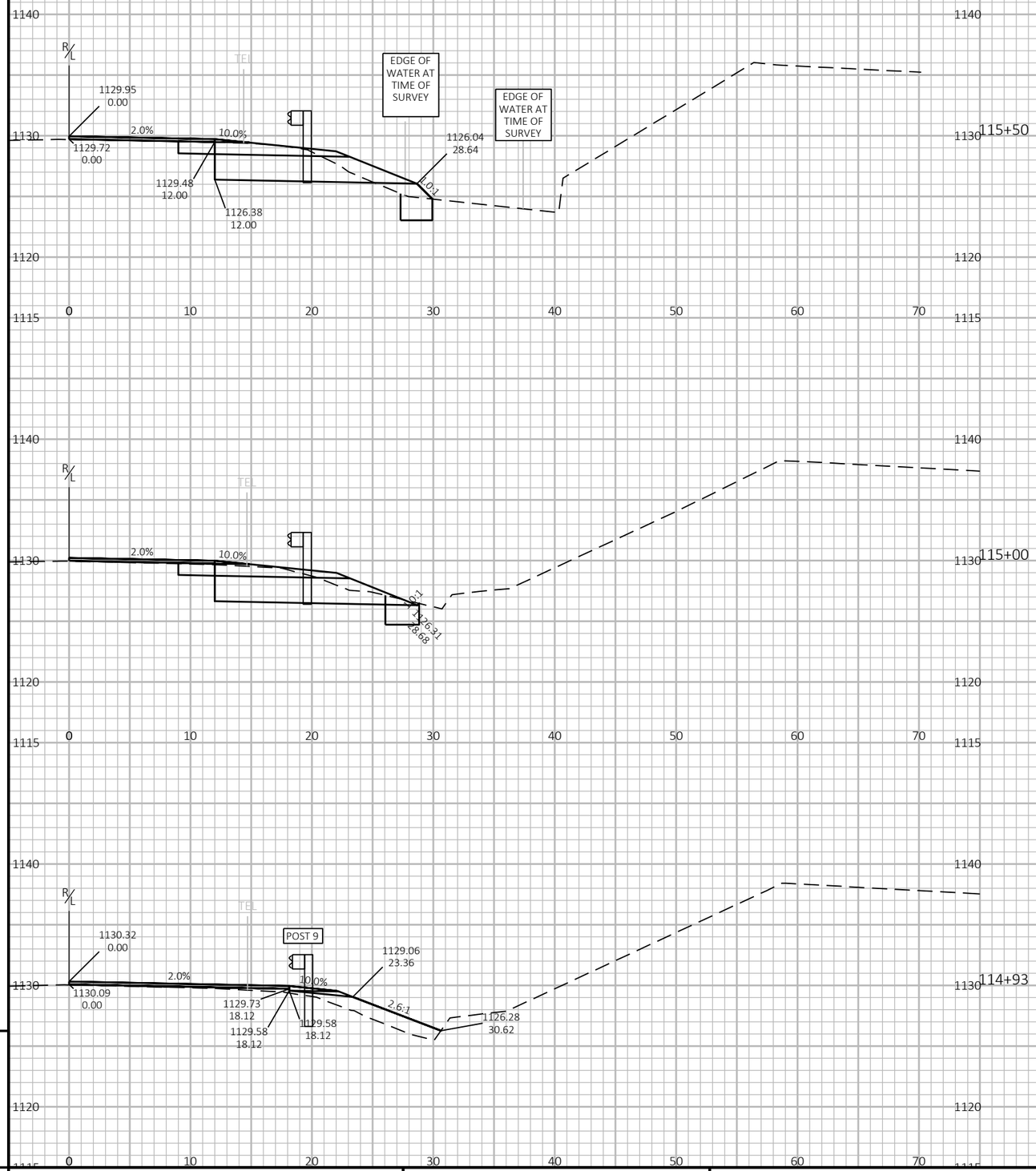
9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 254	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 058

PLOT DATE : 10/21/2025 1:45 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



10 FT

10 FT

9

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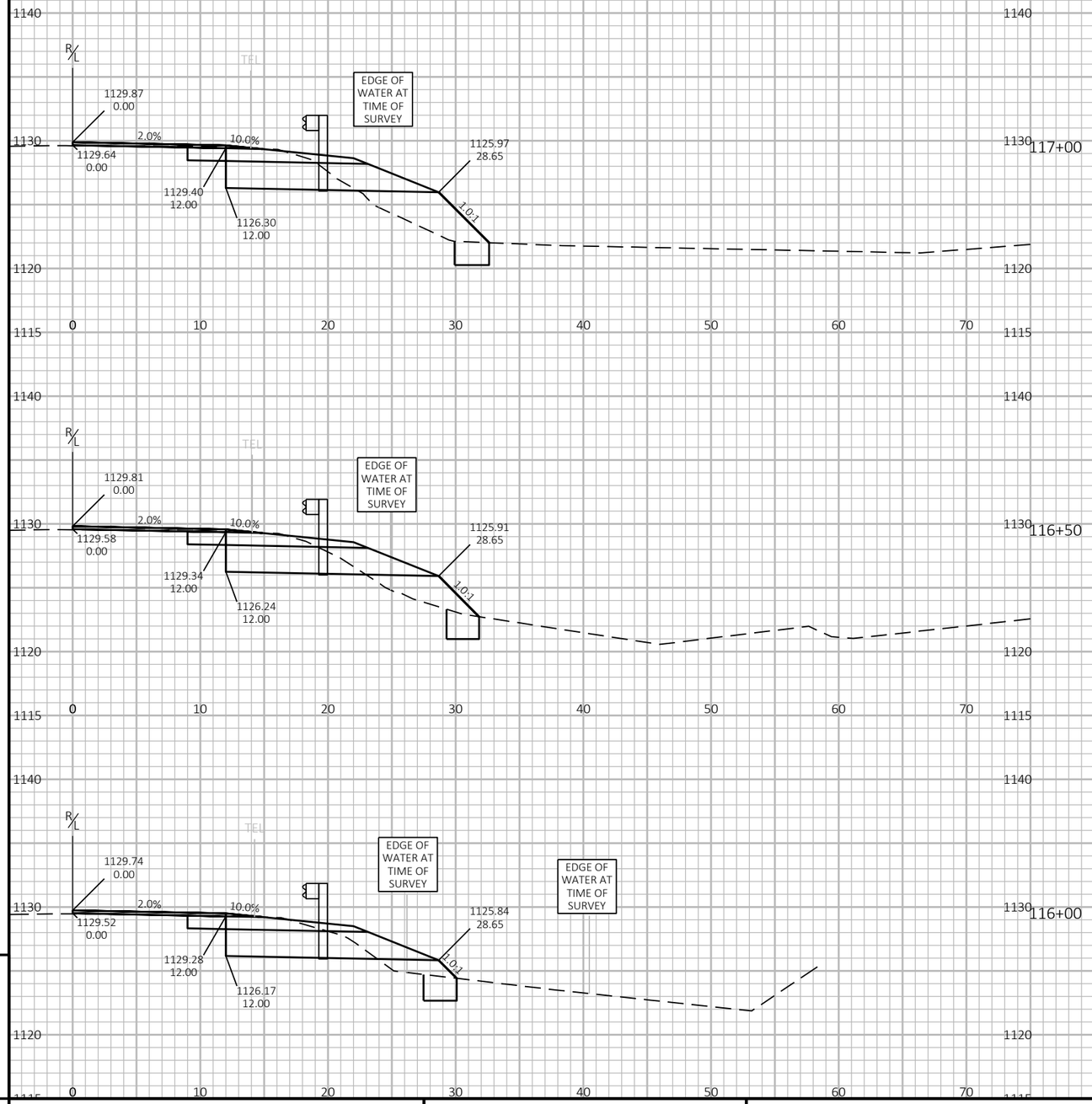
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 255	E

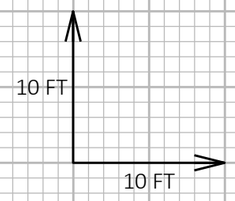
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 059

PLOT DATE : 10/21/2025 1:46 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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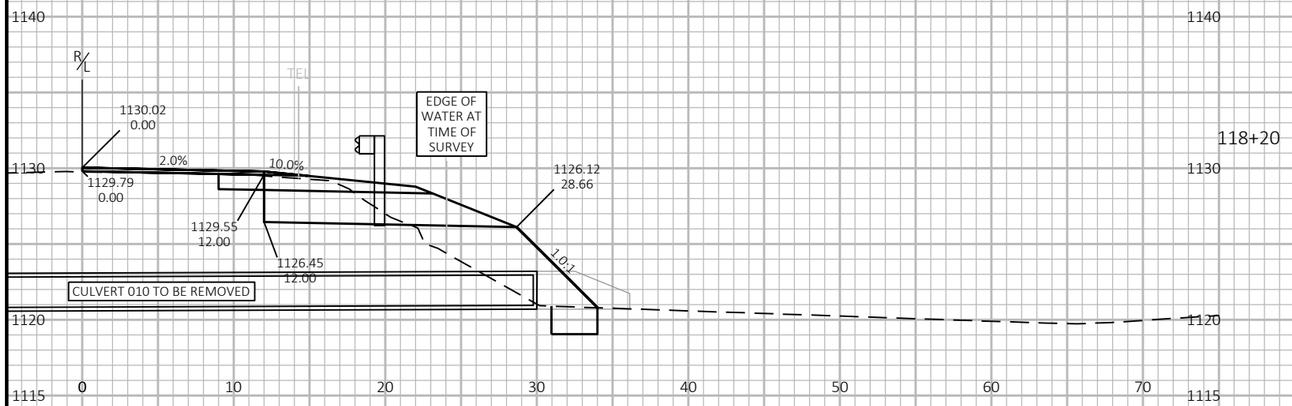
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 256	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 060

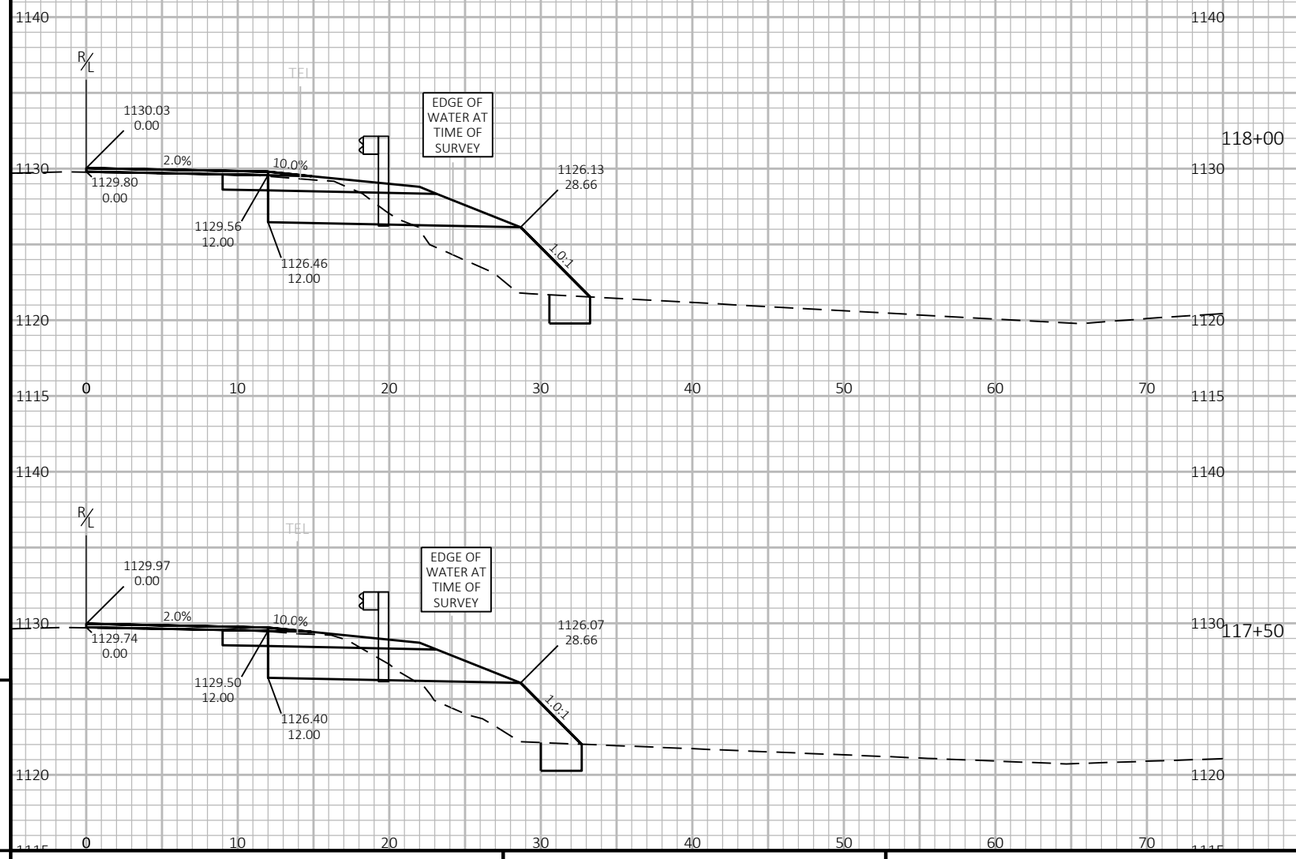
PLOT DATE : 10/21/2025 1:46 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.

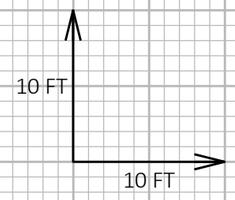


118+20



118+00

117+50



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 257	E

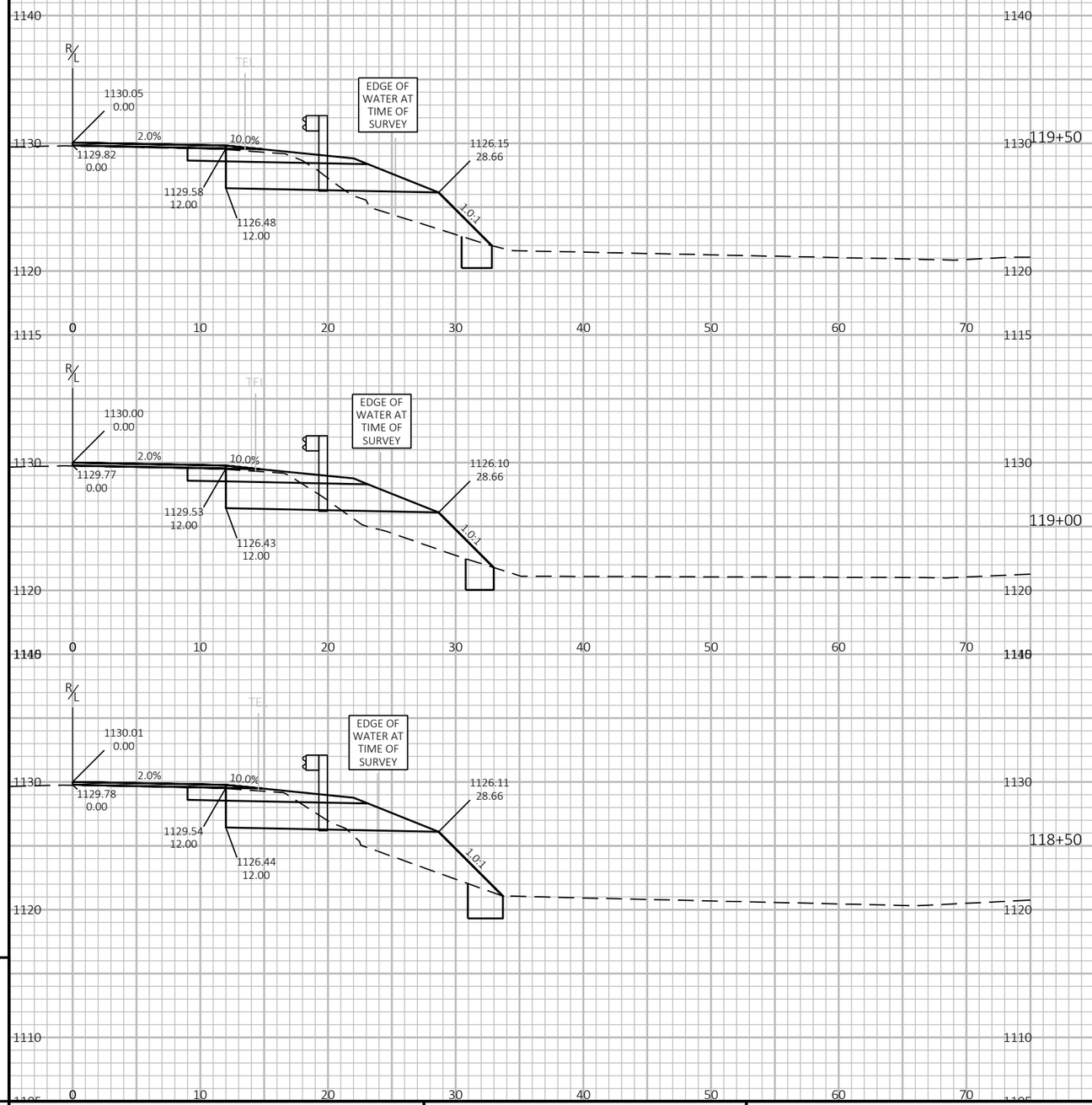
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 061

PLOT DATE : 10/21/2025 1:46 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



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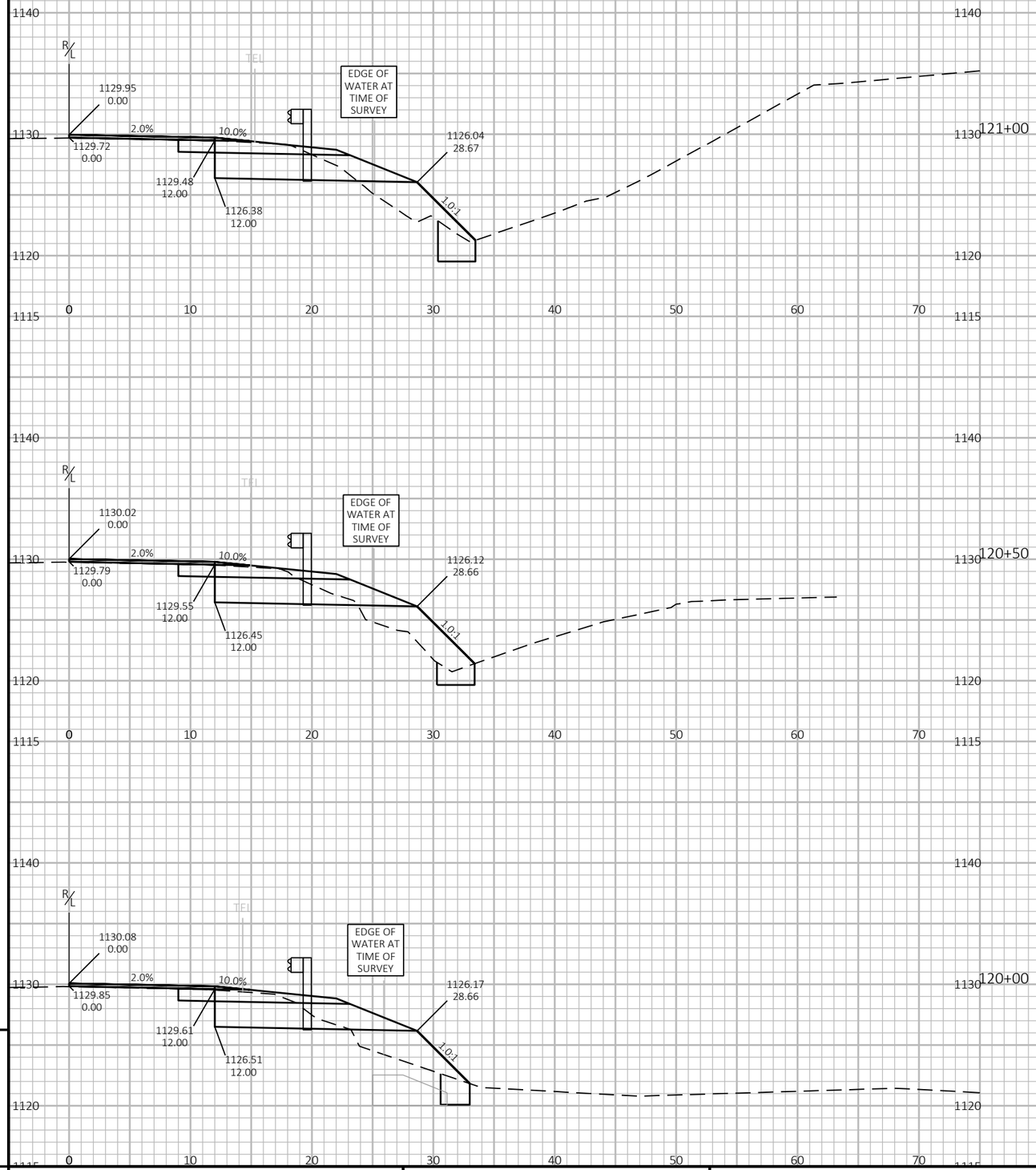
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 258	E

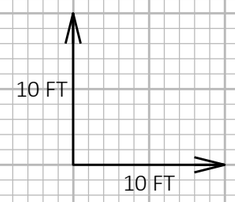
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 062

PLOT DATE : 10/21/2025 1:47 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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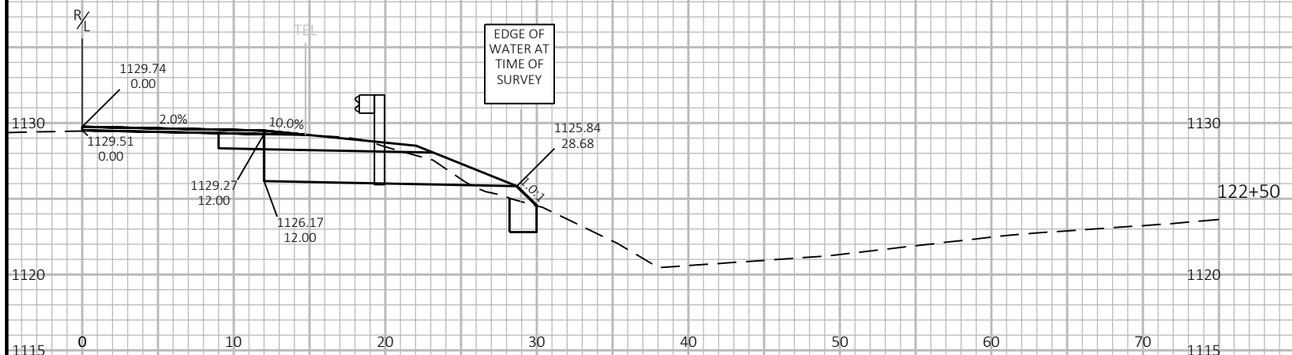
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 259	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 063

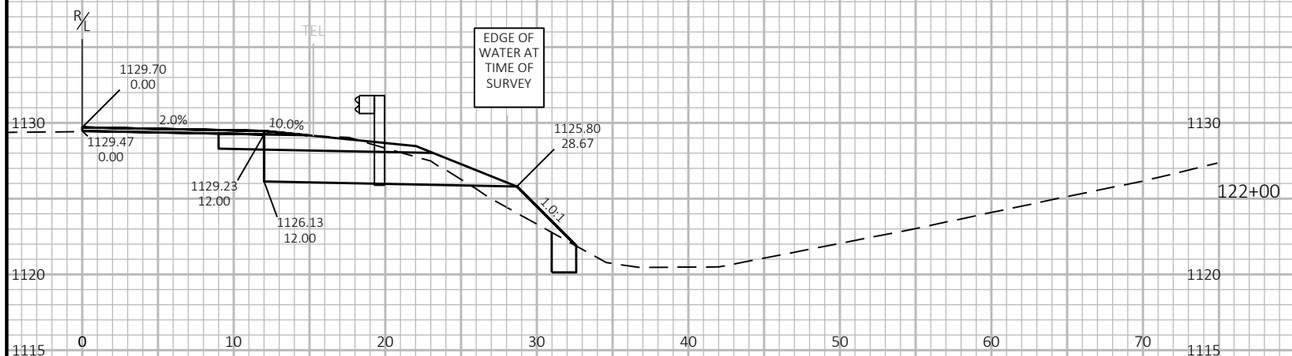
PLOT DATE : 10/21/2025 1:47 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

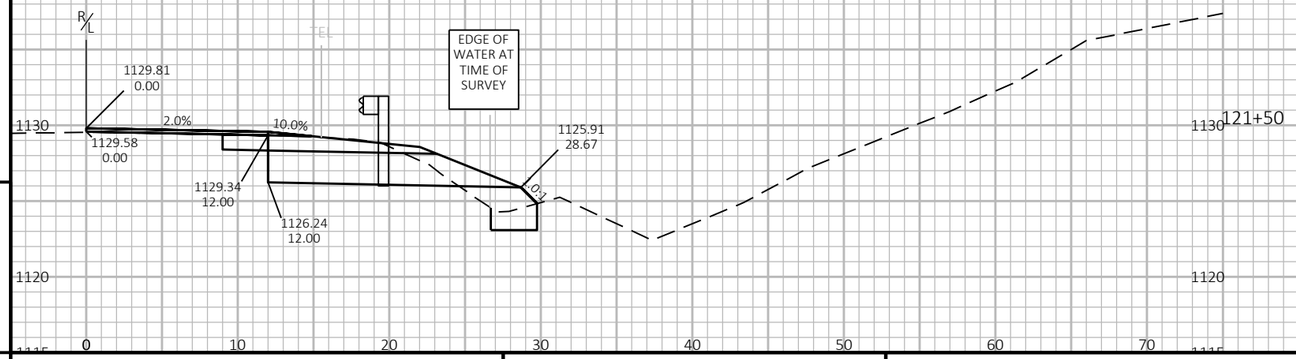
CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



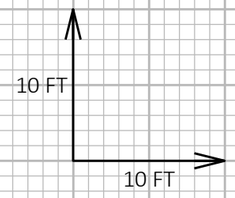
122+50



122+00



121+50



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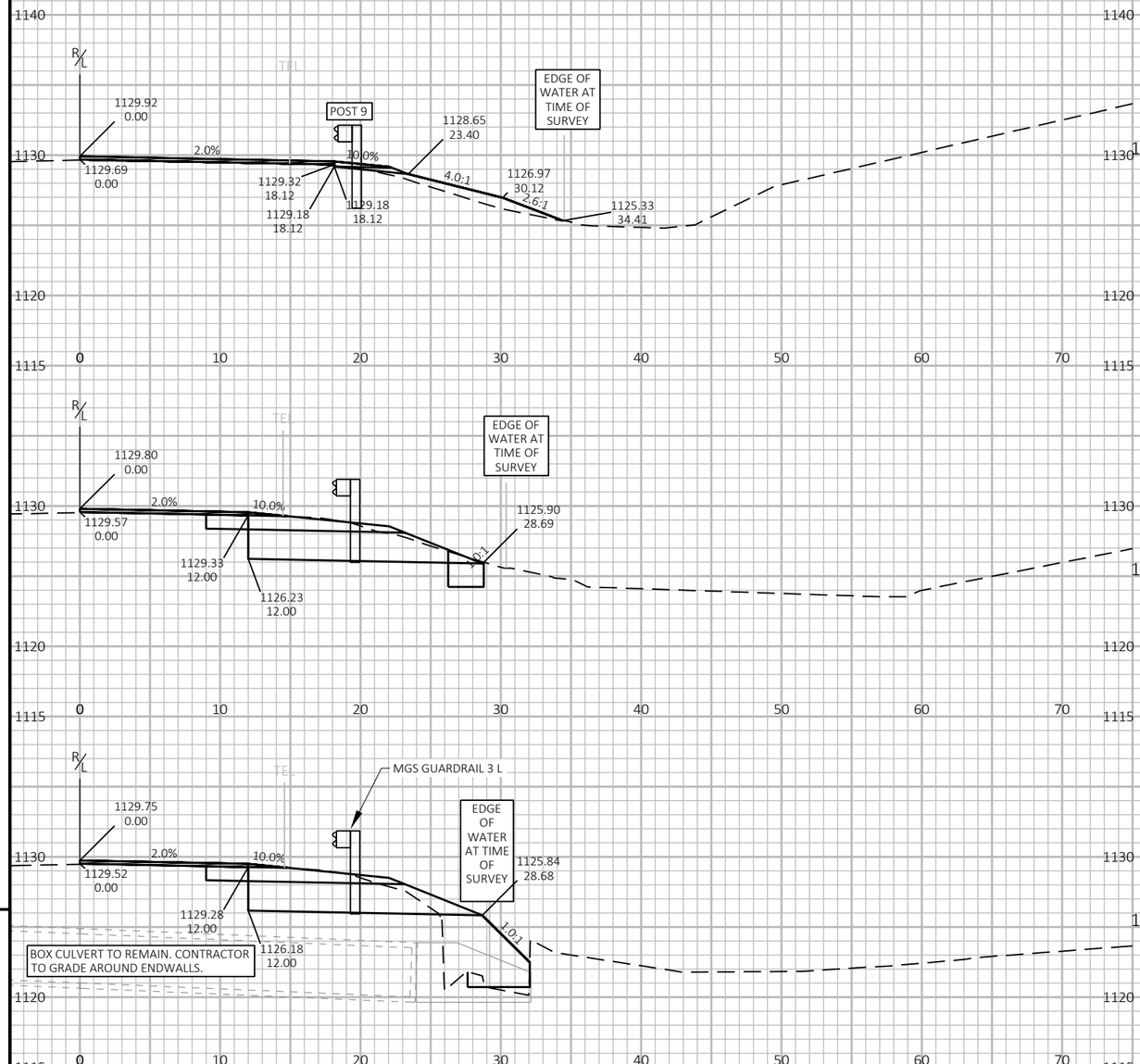
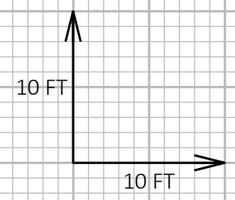
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 260	E

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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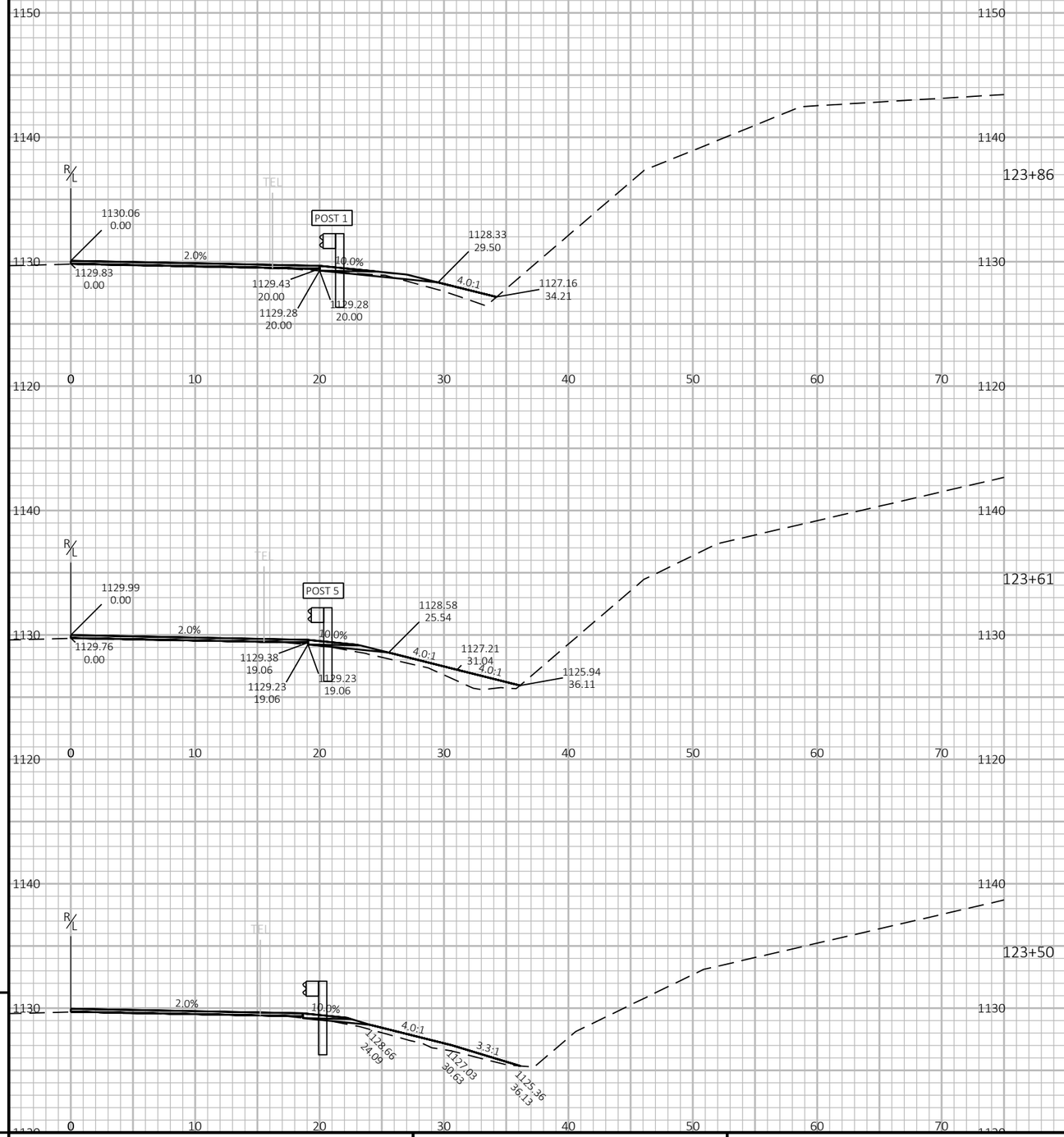
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 261	E

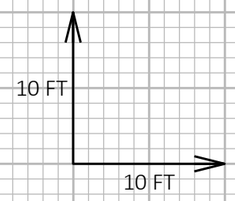
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 065

PLOT DATE : 10/21/2025 1:48 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 262	E

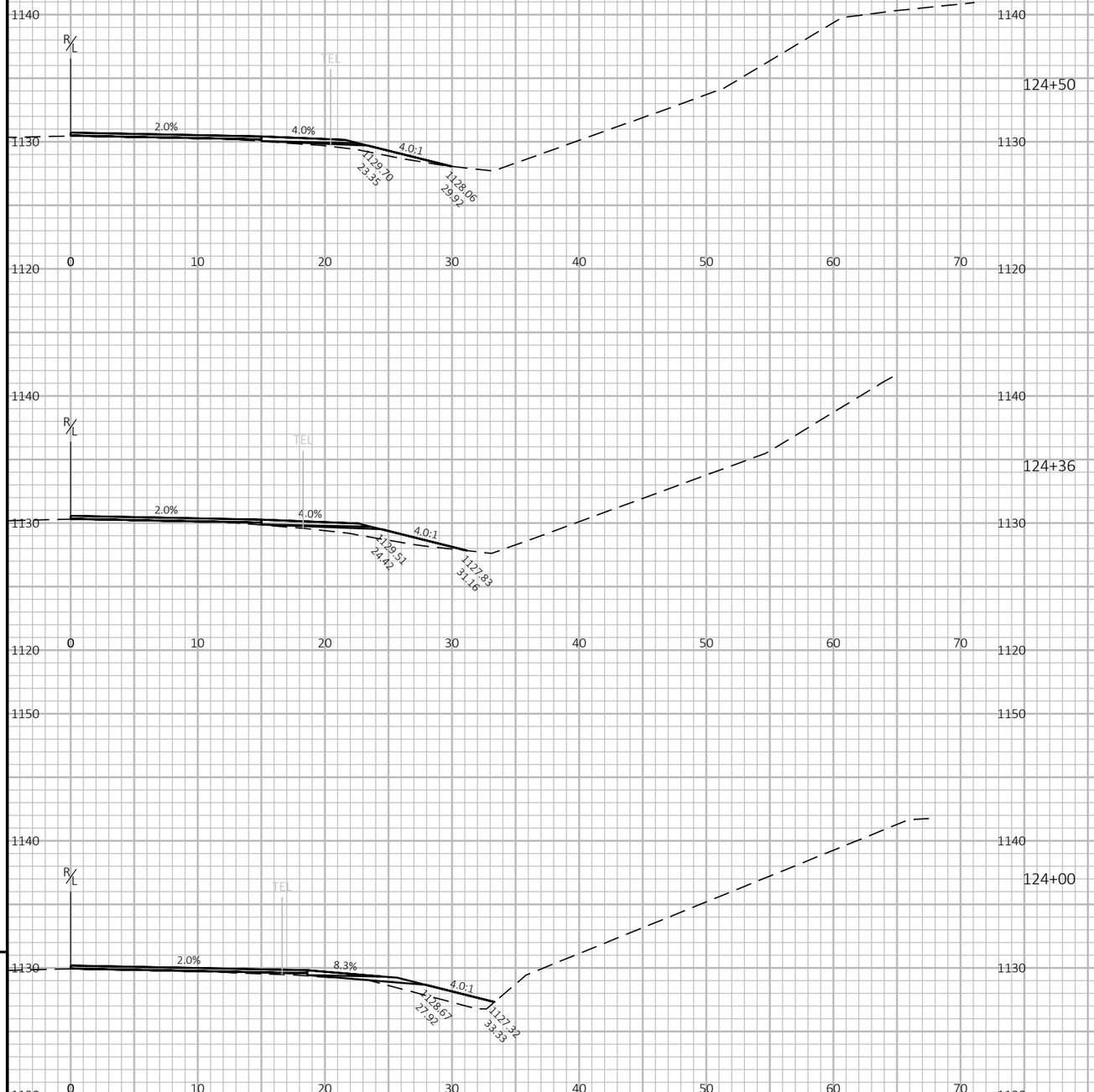
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 066

PLOT DATE : 10/21/2025 1:48 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.



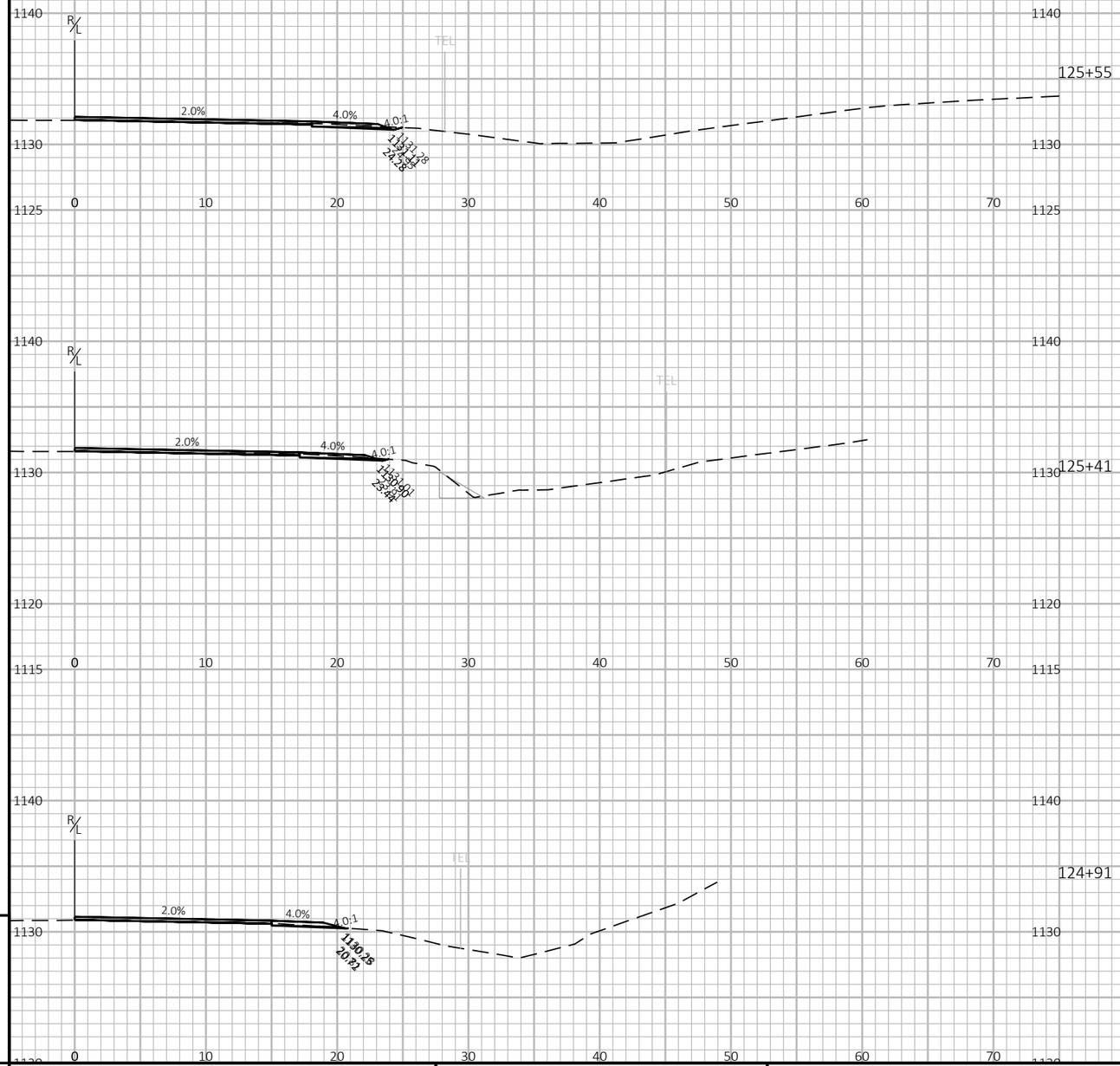
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 263	E

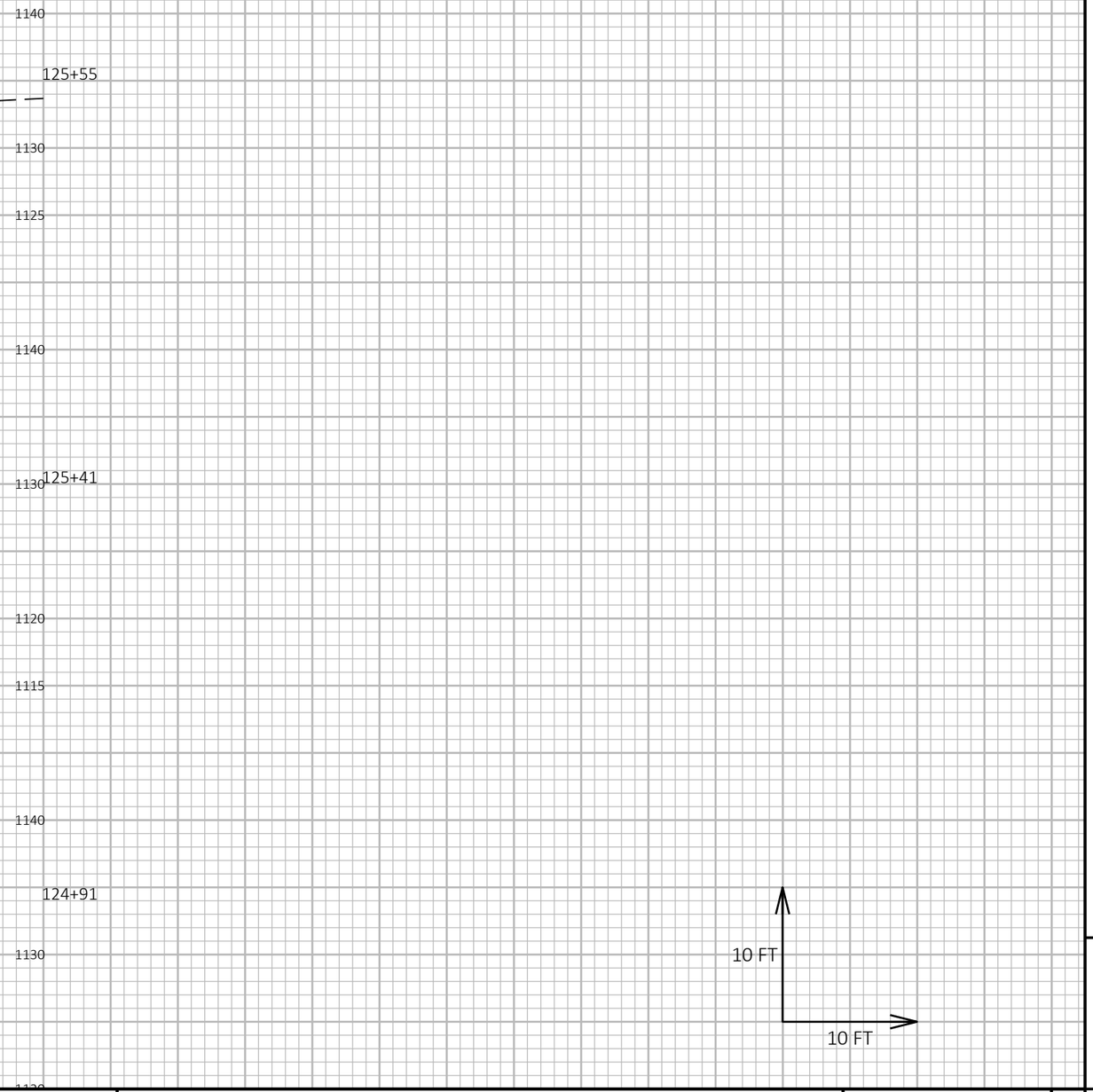
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 067

PLOT DATE : 10/21/2025 1:48 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

CONTRACTOR TO REMOVE SHOULDER AS SHOWN IN CROSS SECTIONS FOR WORK IN LYKENS AND BALSAM LAKES ONLY.





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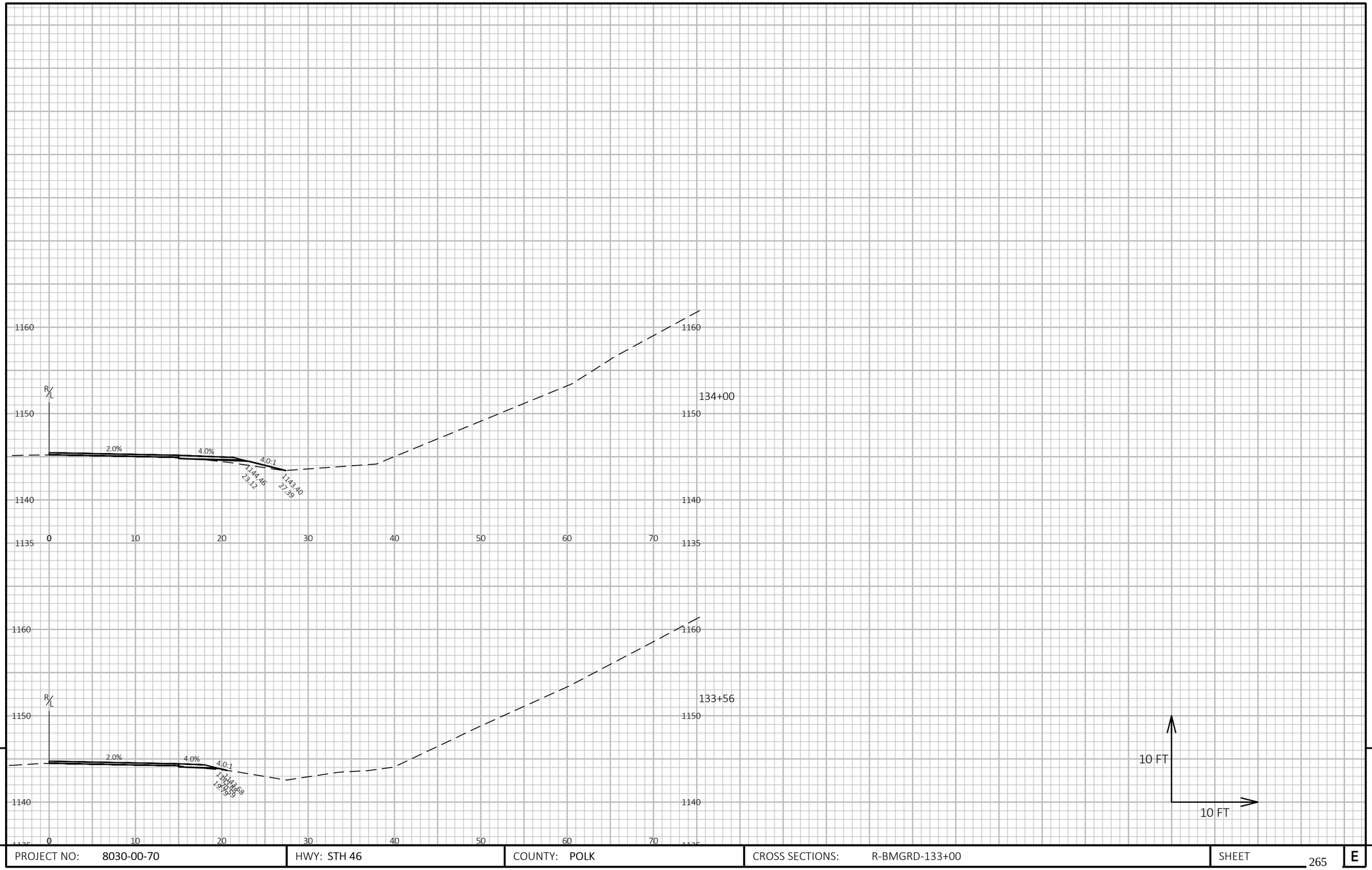
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-112+50	SHEET 264	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 068

PLOT DATE : 10/21/2025 1:49 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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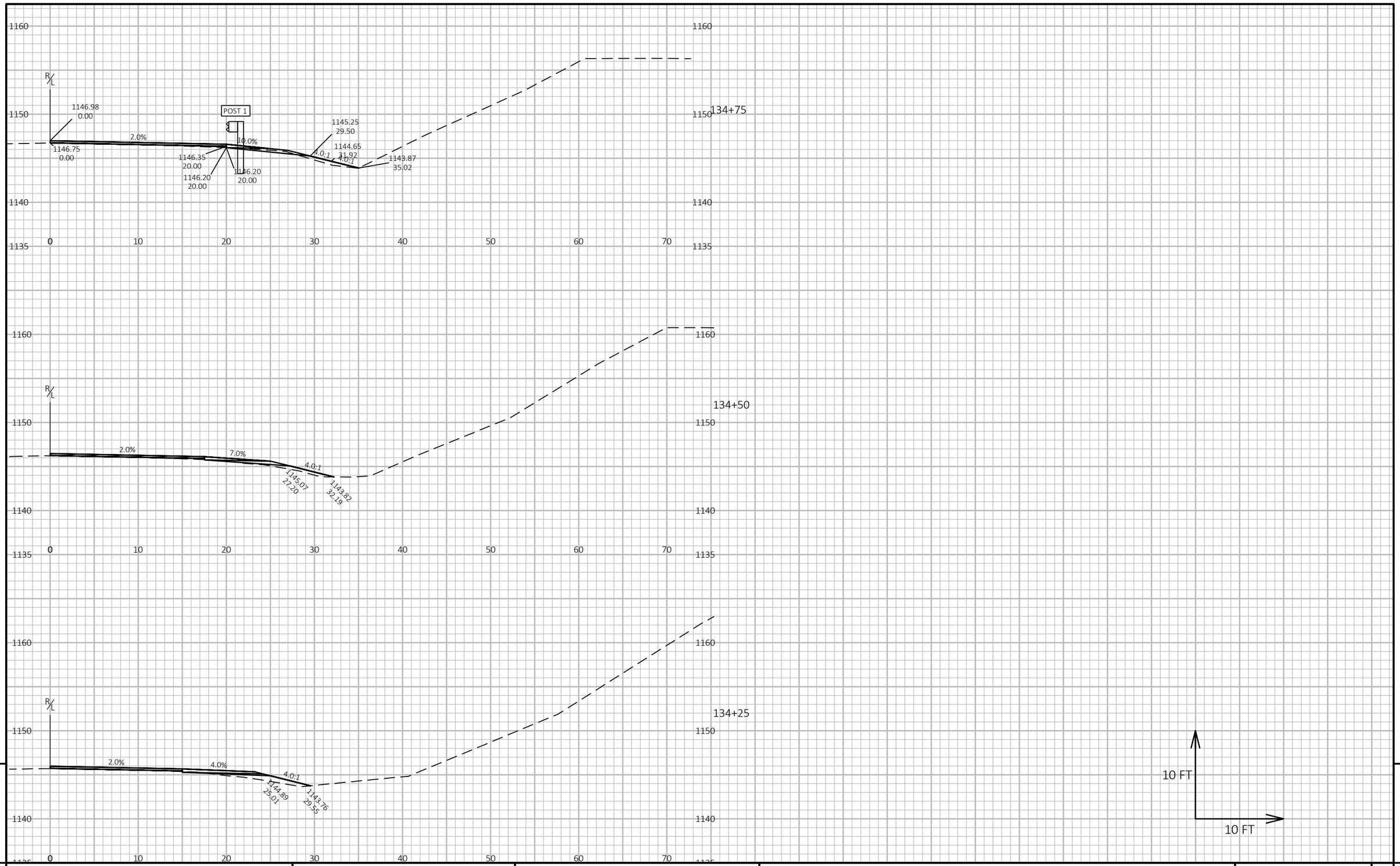
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 265	E



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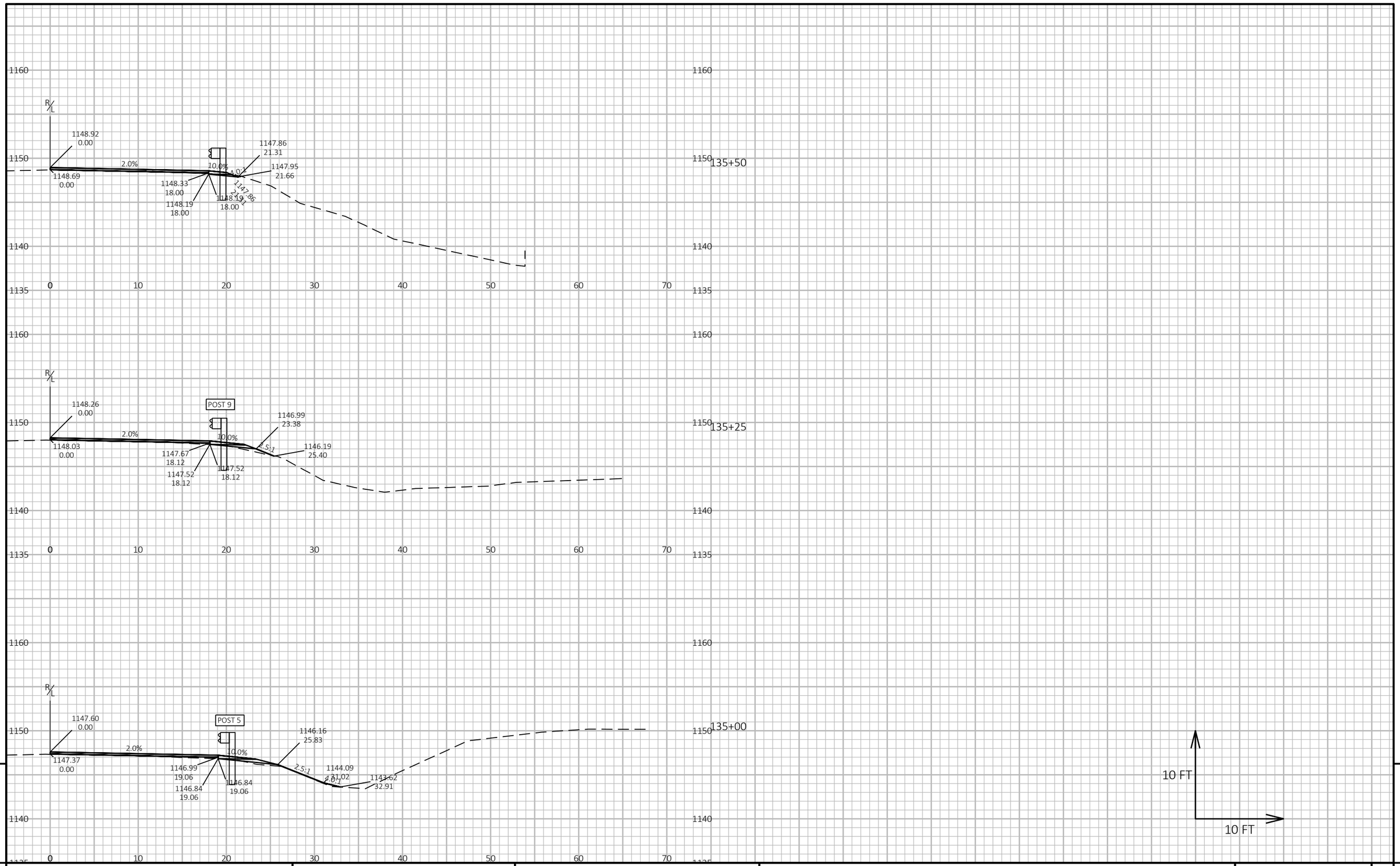
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 266	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 070

PLOT DATE : 10/21/2025 1:49 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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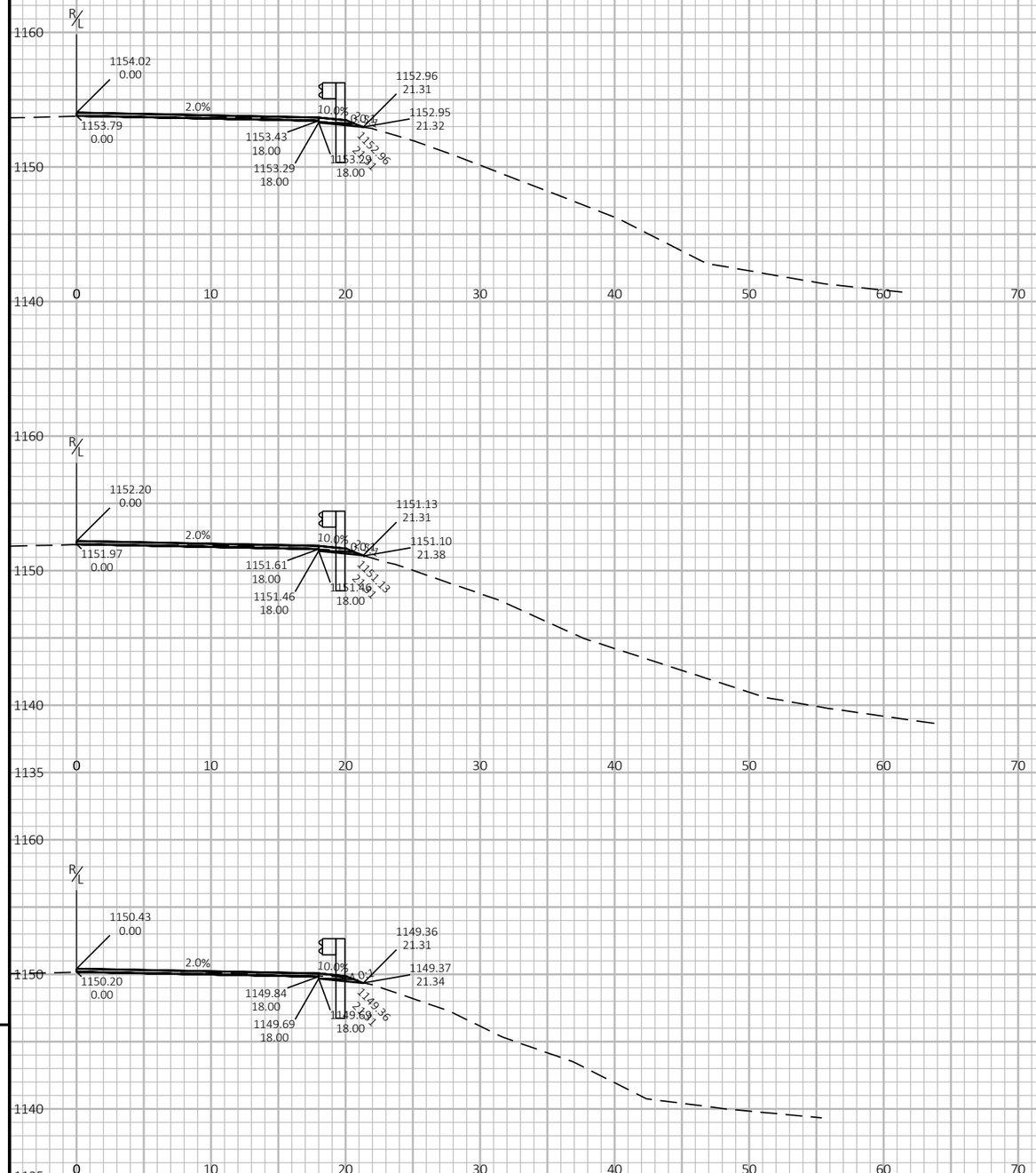
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 267	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 071

PLOT DATE : 10/21/2025 1:50 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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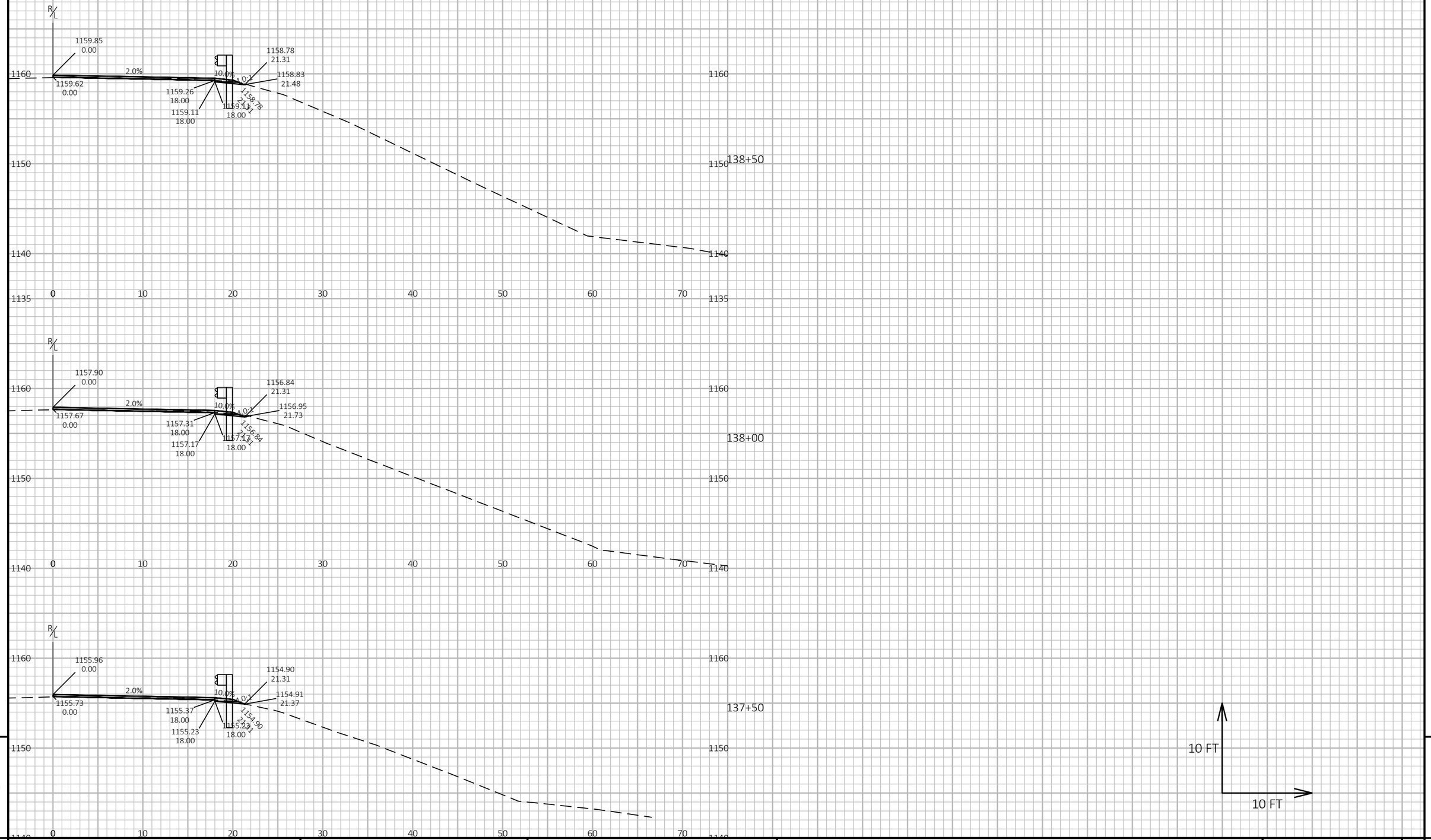
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 268	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 072

PLOT DATE : 10/21/2025 1:50 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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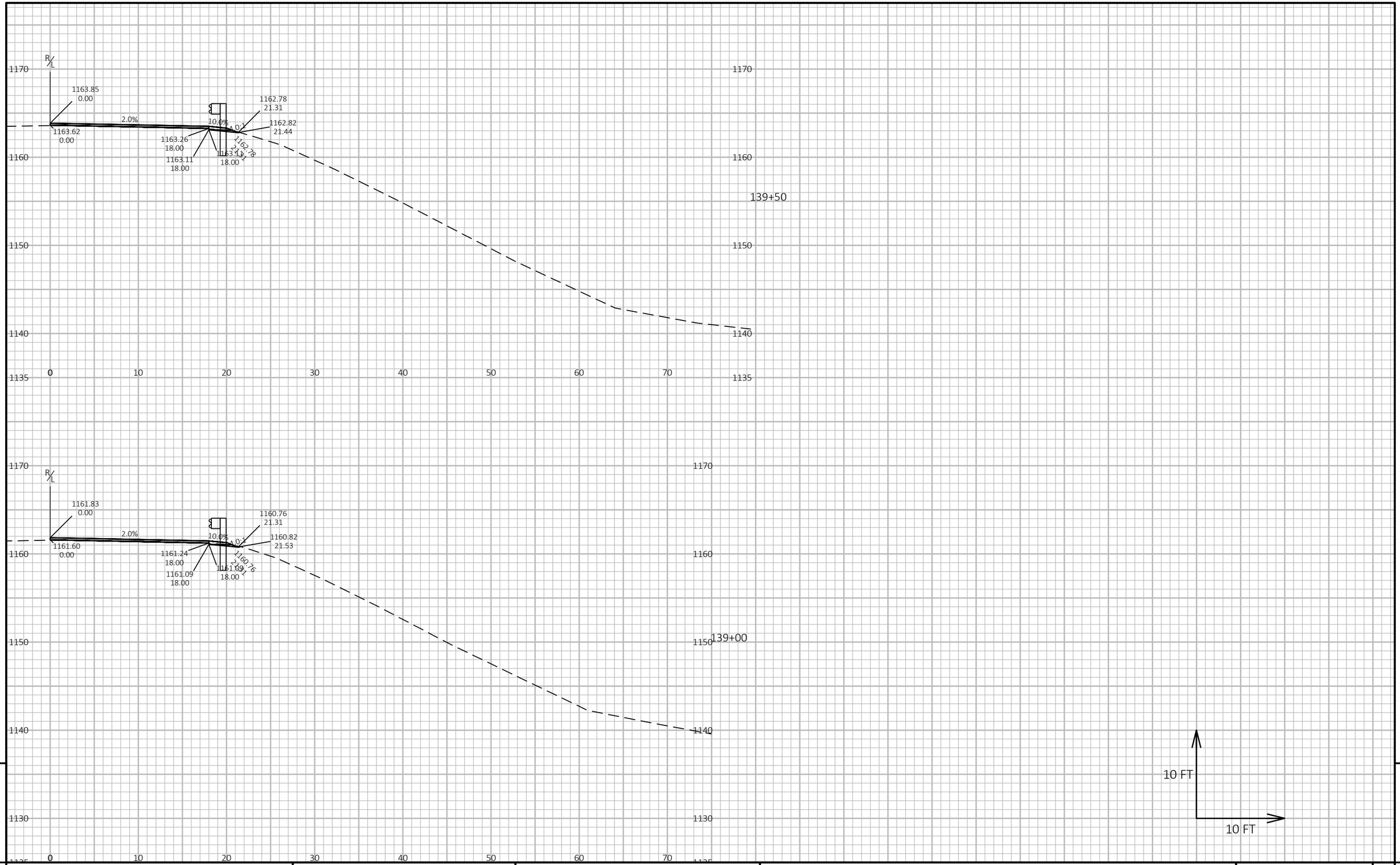
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 269	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 073

PLOT DATE : 10/21/2025 1:50 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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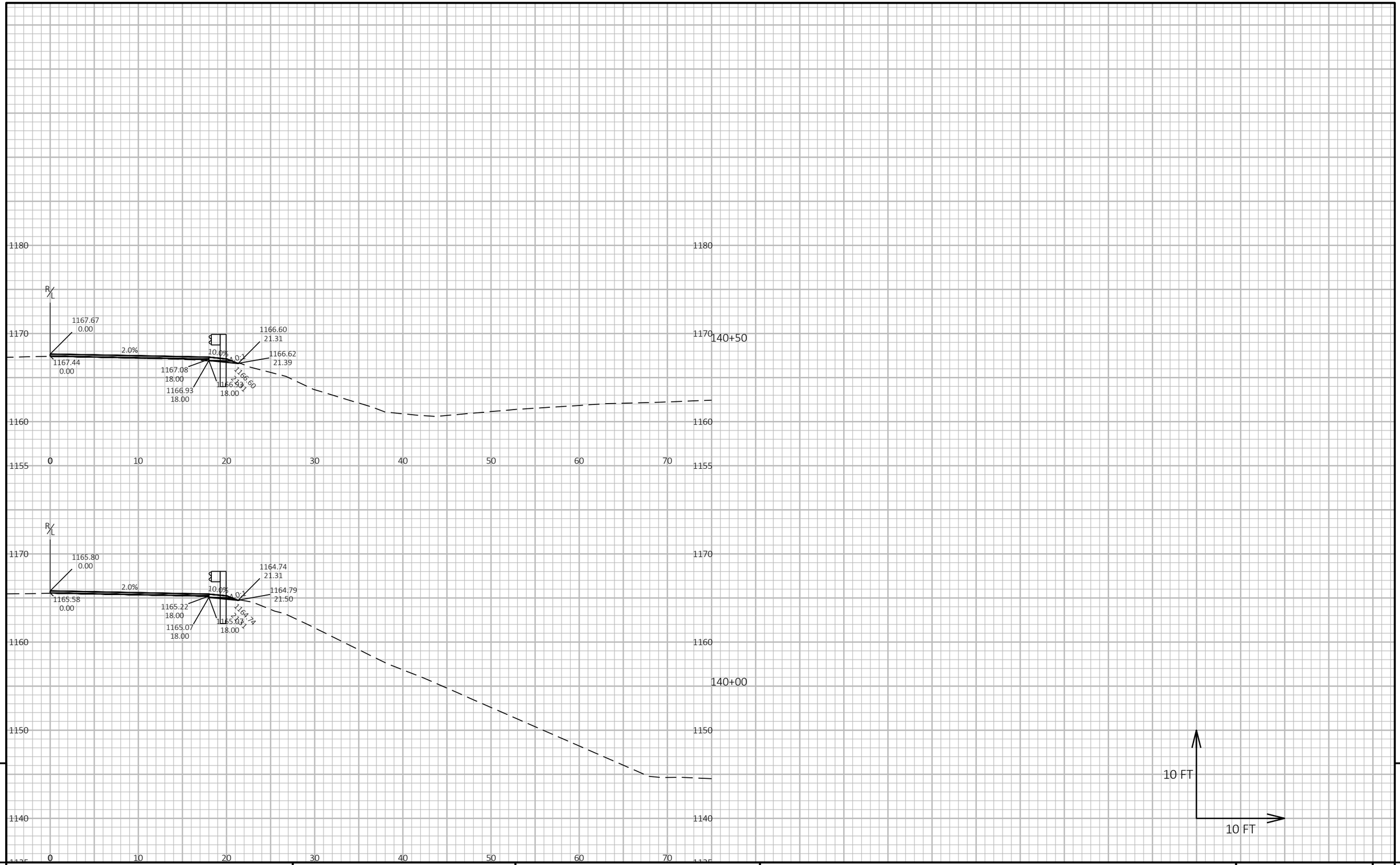
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 270	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 074

PLOT DATE : 10/21/2025 1:51 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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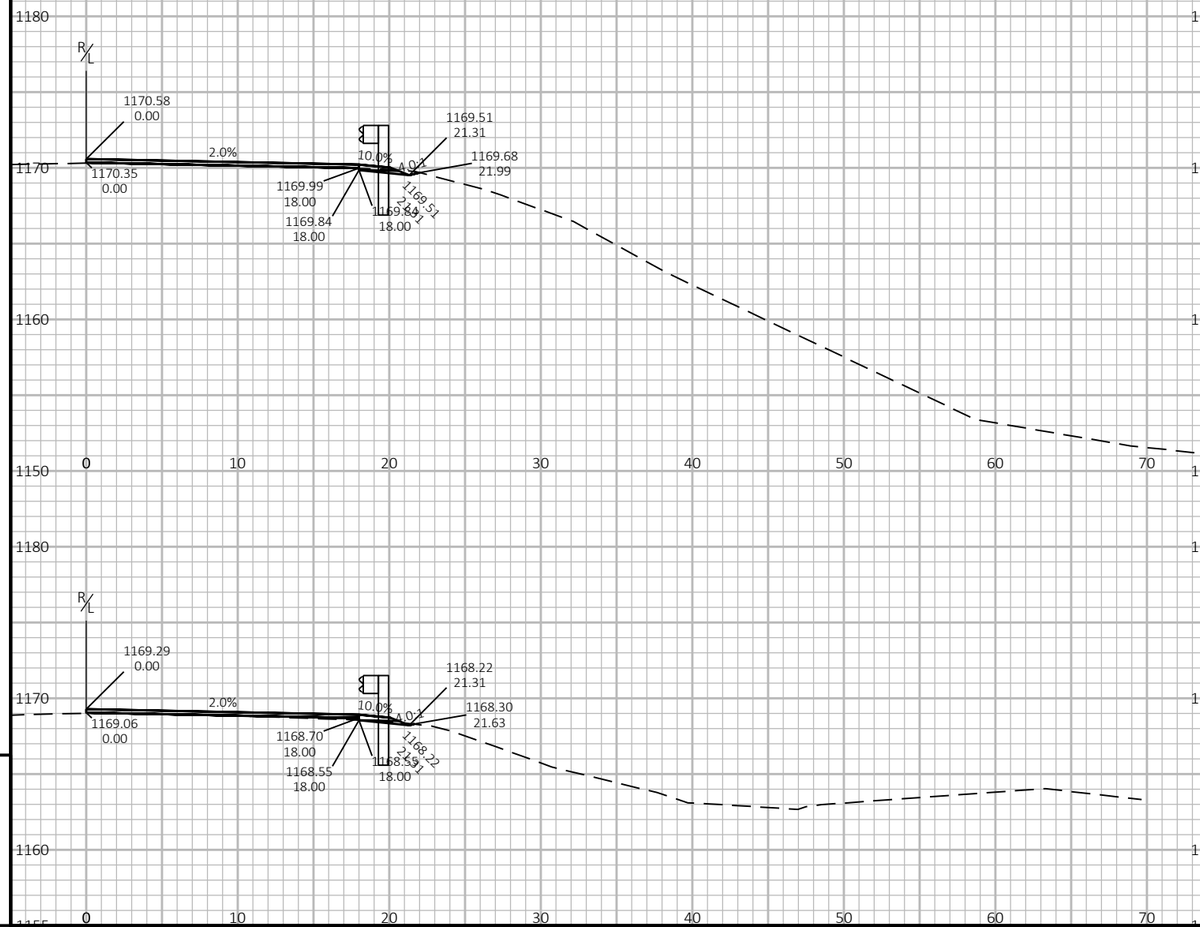
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 271	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 075

PLOT DATE : 10/21/2025 1:51 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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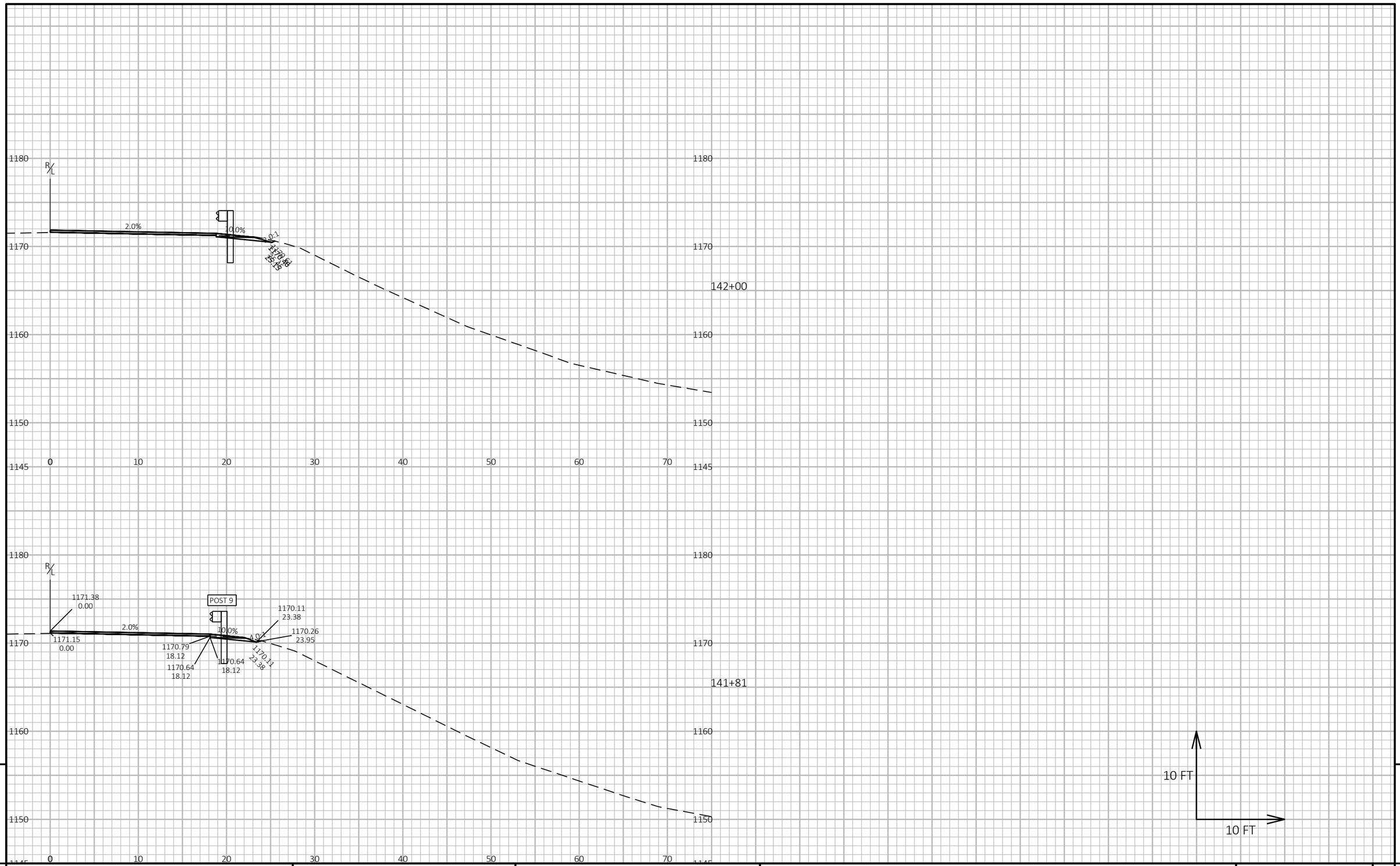
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 272	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 076

PLOT DATE : 10/21/2025 1:51 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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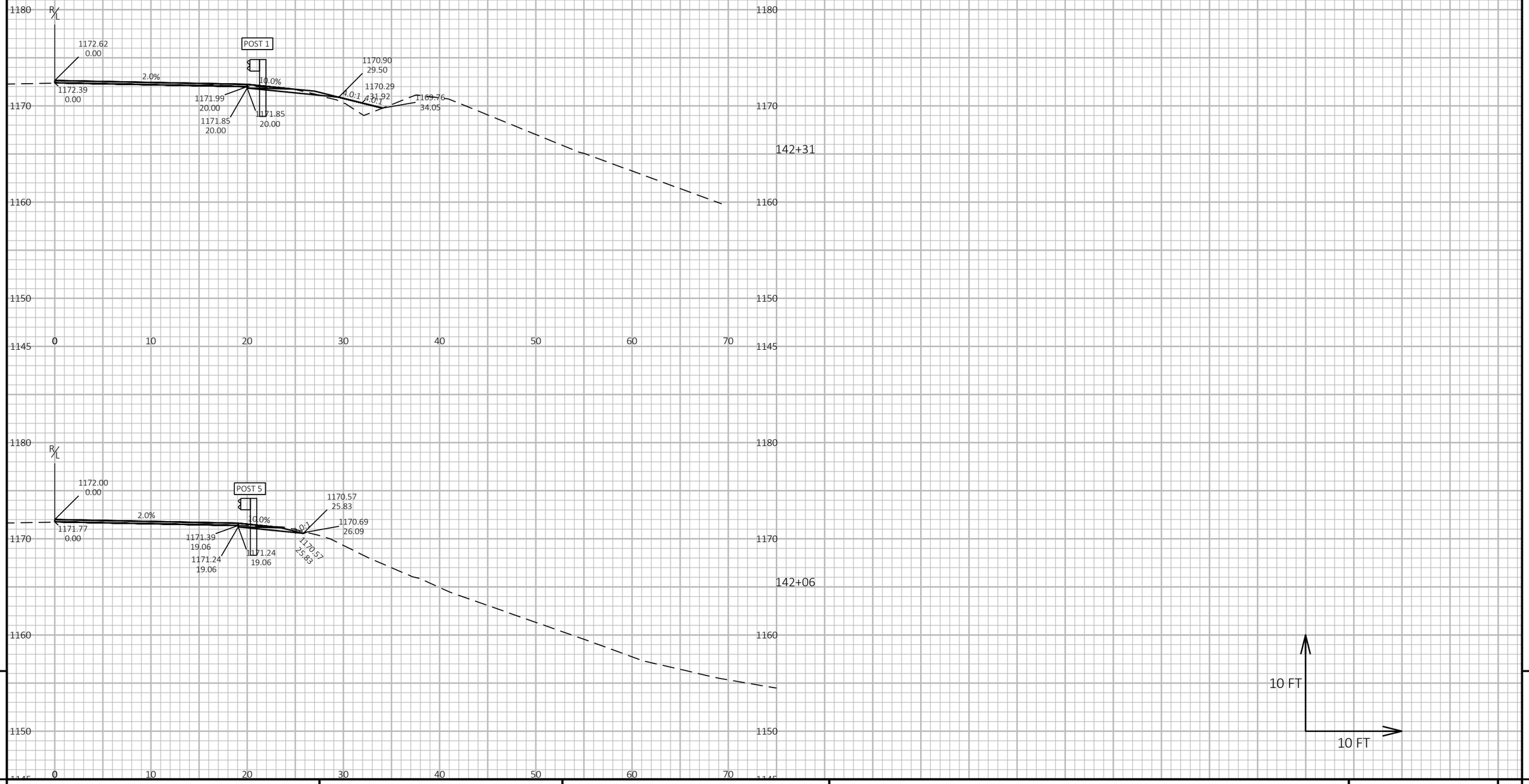
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 273	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 077

PLOT DATE : 10/21/2025 1:52 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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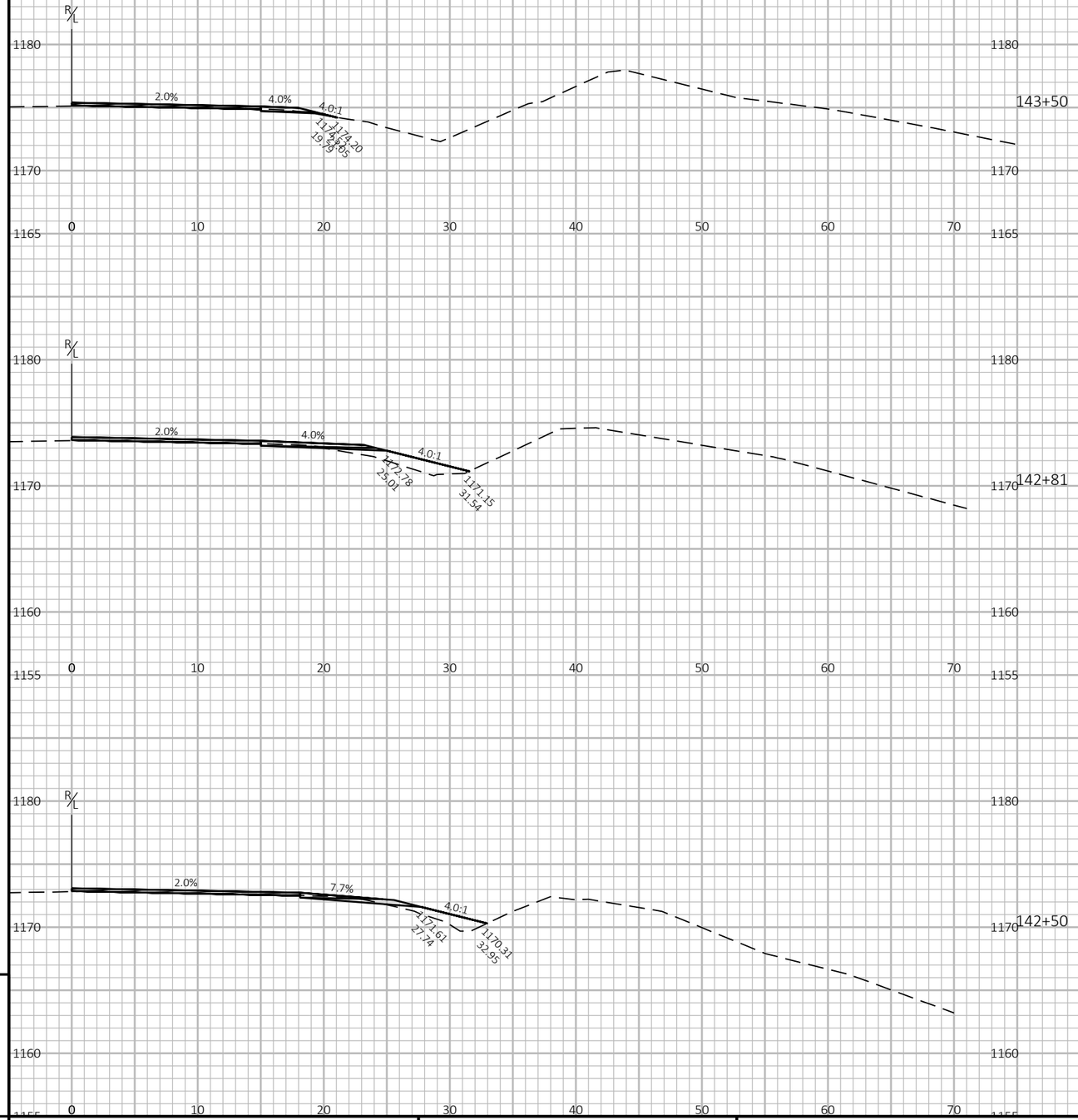
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 274	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 078

PLOT DATE : 10/21/2025 1:52 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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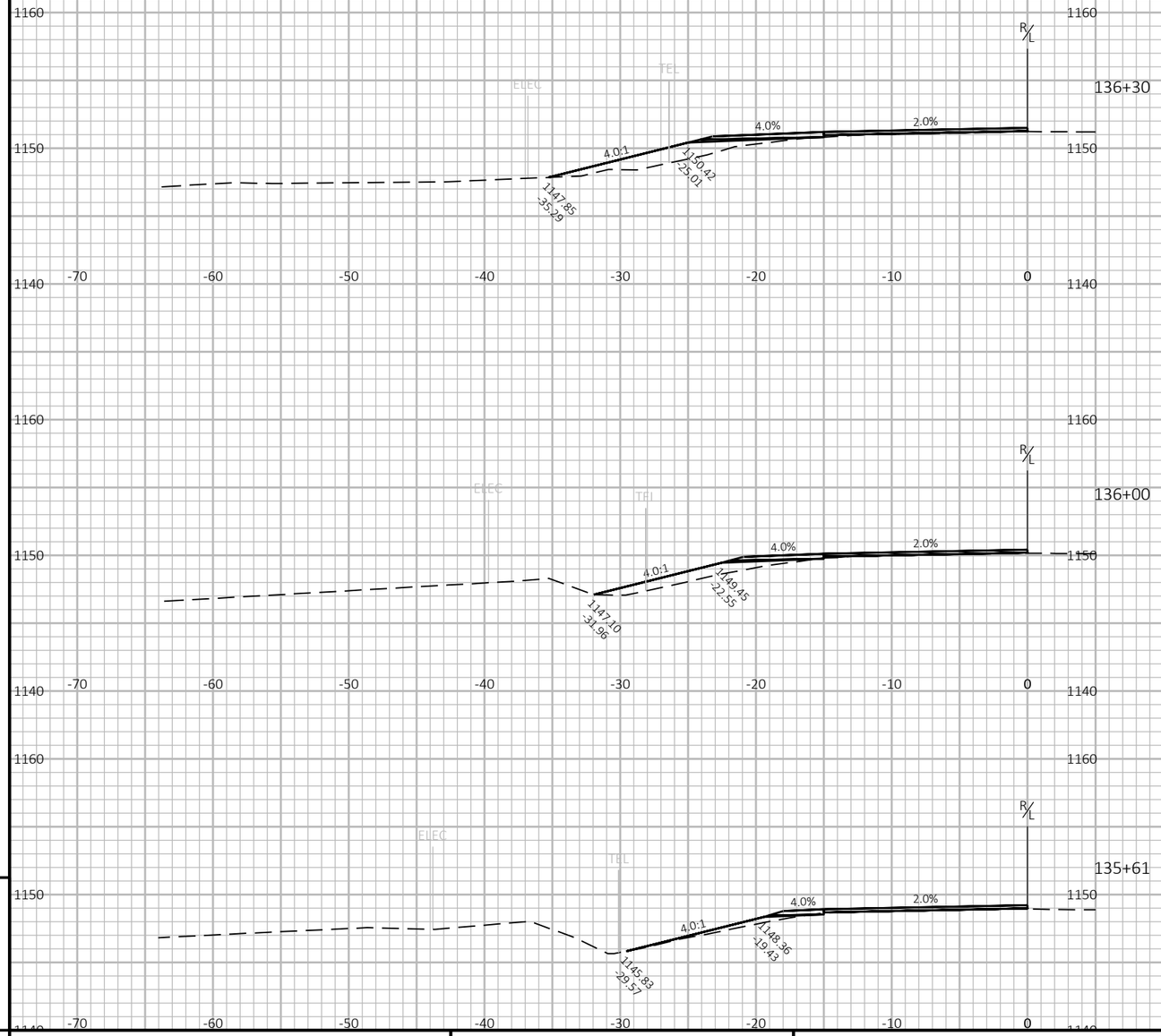
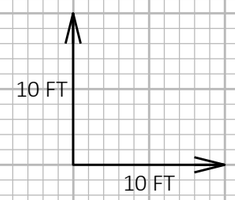
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-133+00	SHEET 275	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 079

PLOT DATE : 10/21/2025 1:52 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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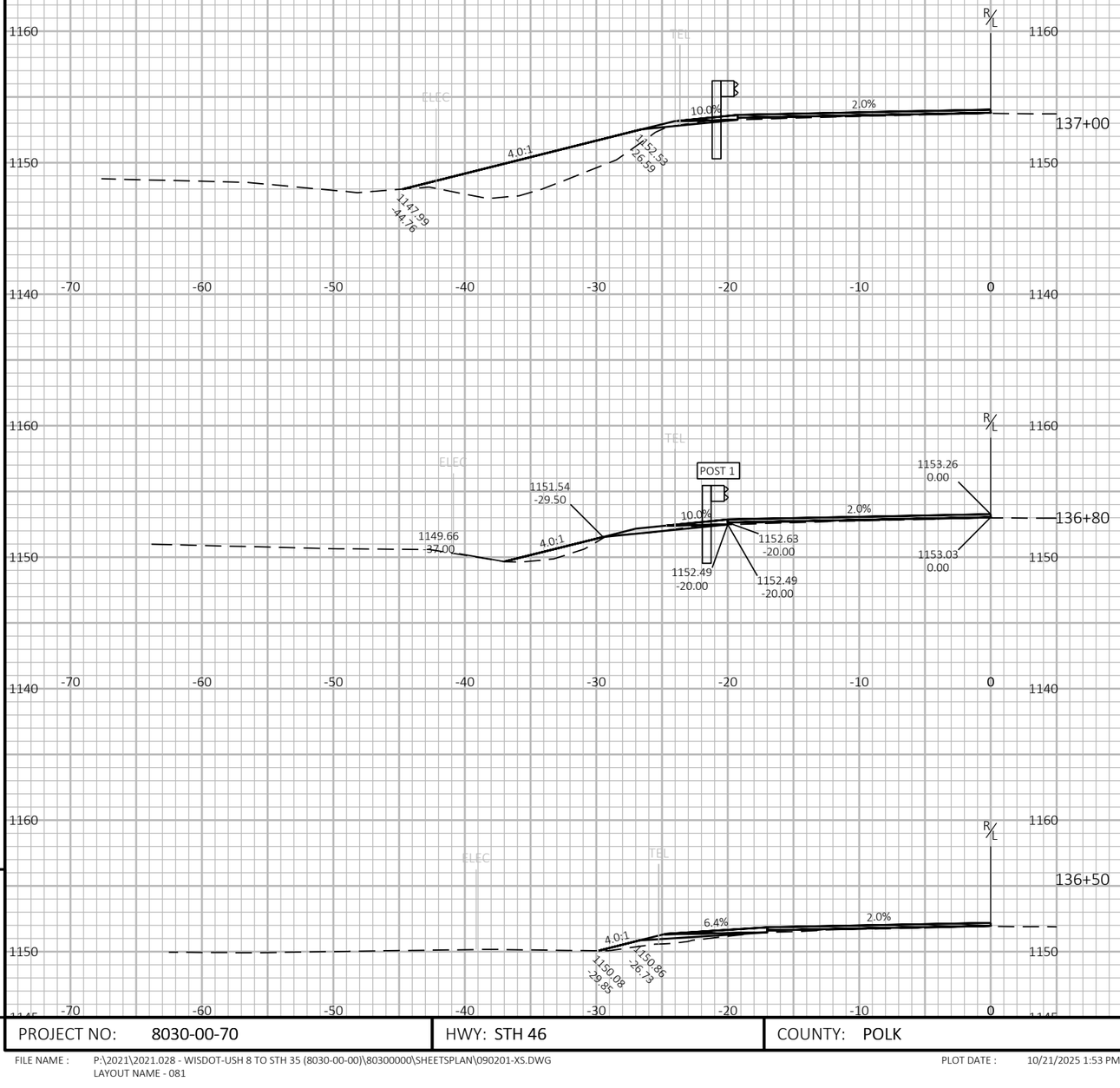
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 276	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 080

PLOT DATE : 10/21/2025 1:53 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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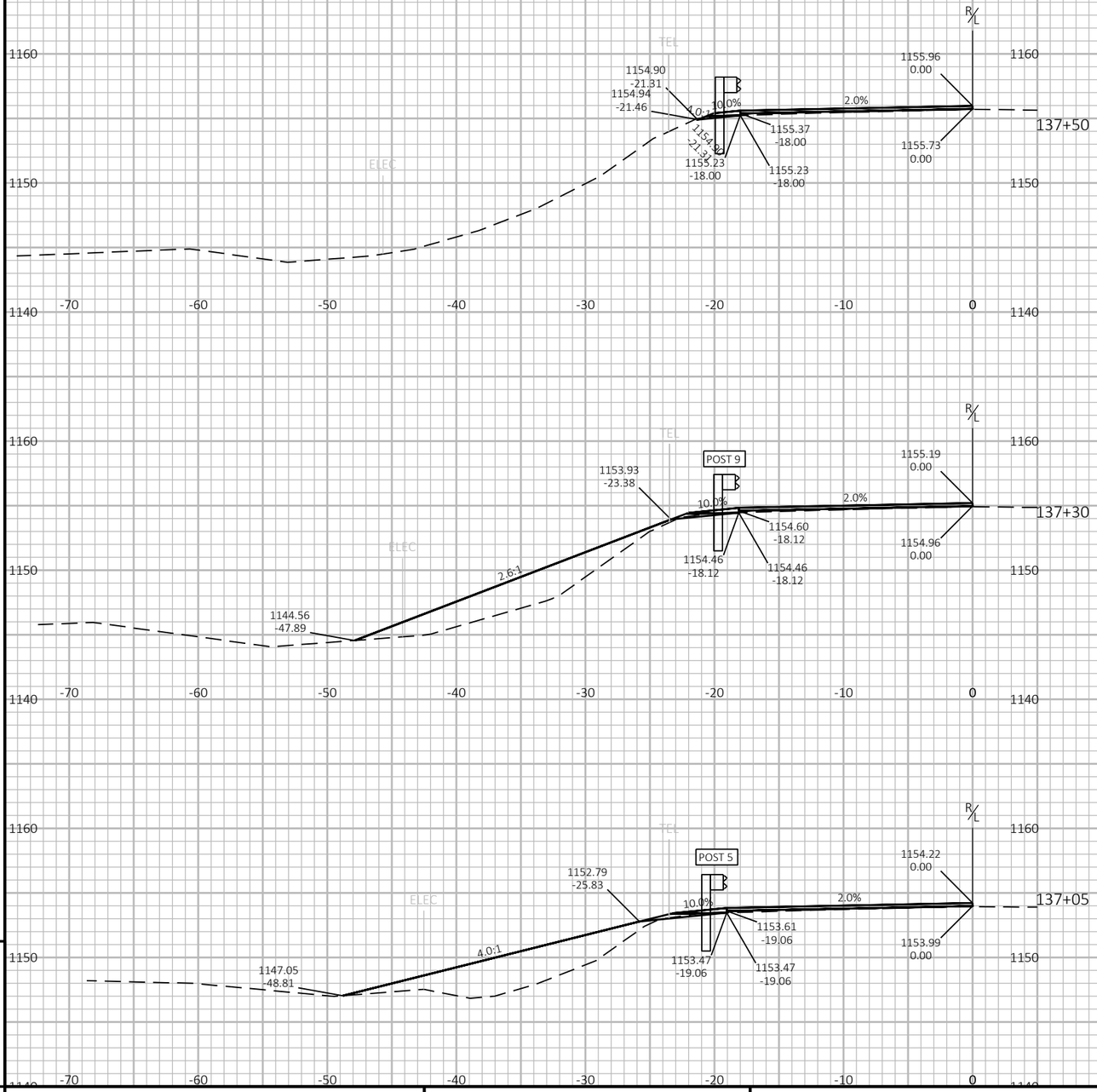
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 277	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 081

PLOT DATE : 10/21/2025 1:53 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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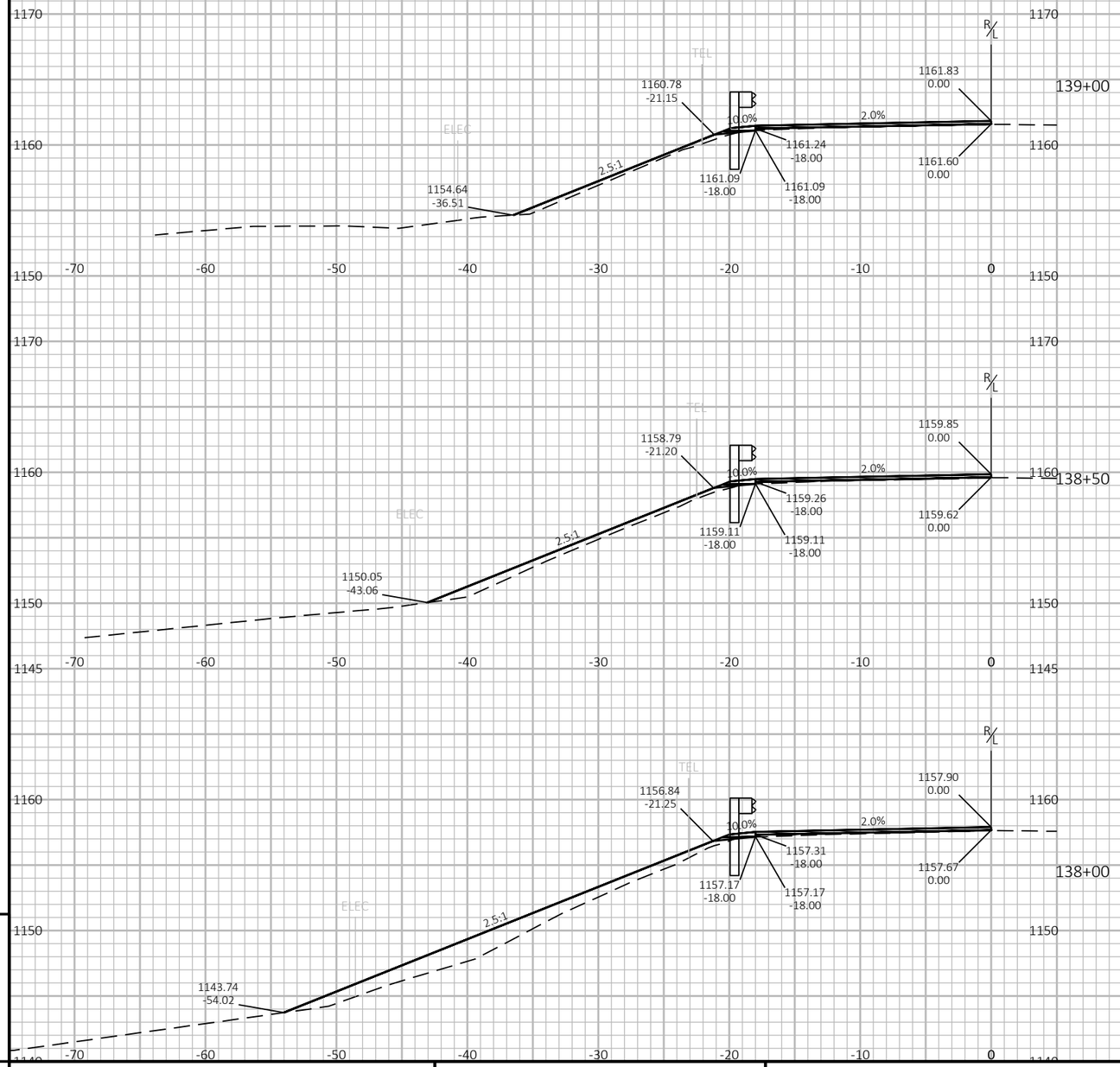
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 278	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 082

PLOT DATE : 10/21/2025 1:53 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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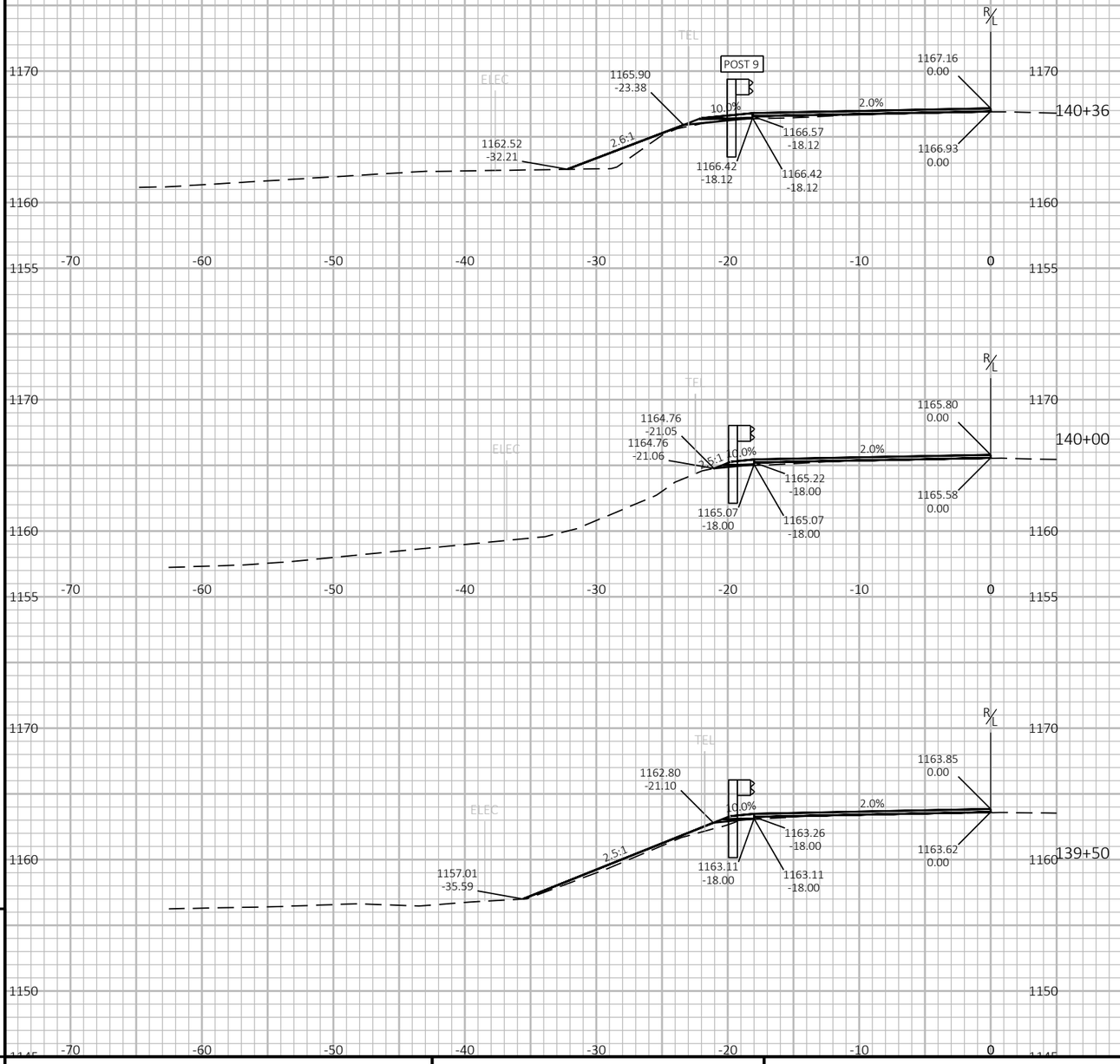
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 279	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 083

PLOT DATE : 10/21/2025 1:54 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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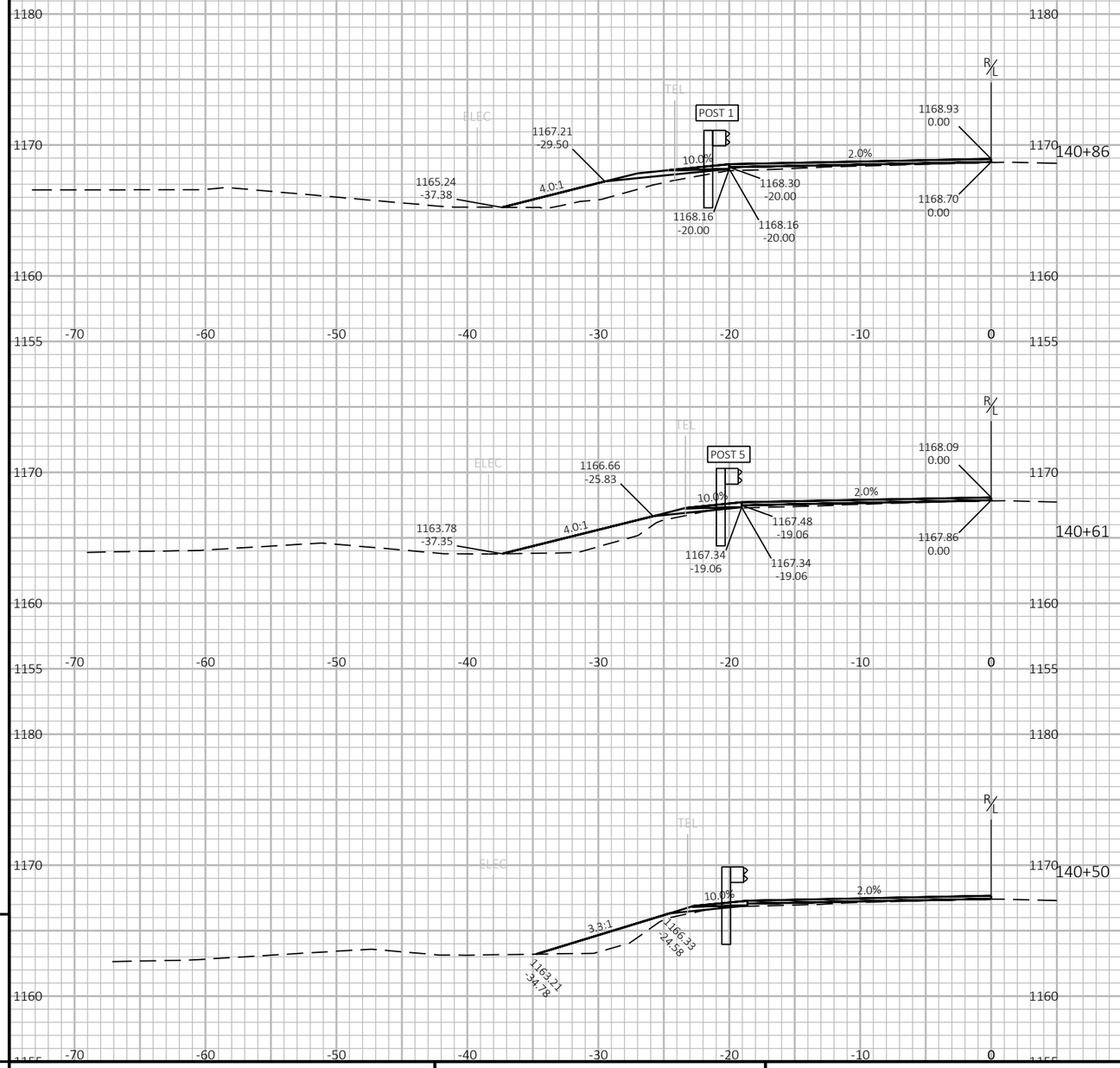
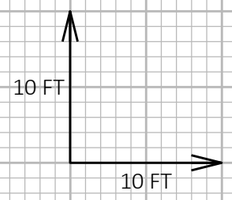
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 280	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 084

PLOT DATE : 10/21/2025 1:54 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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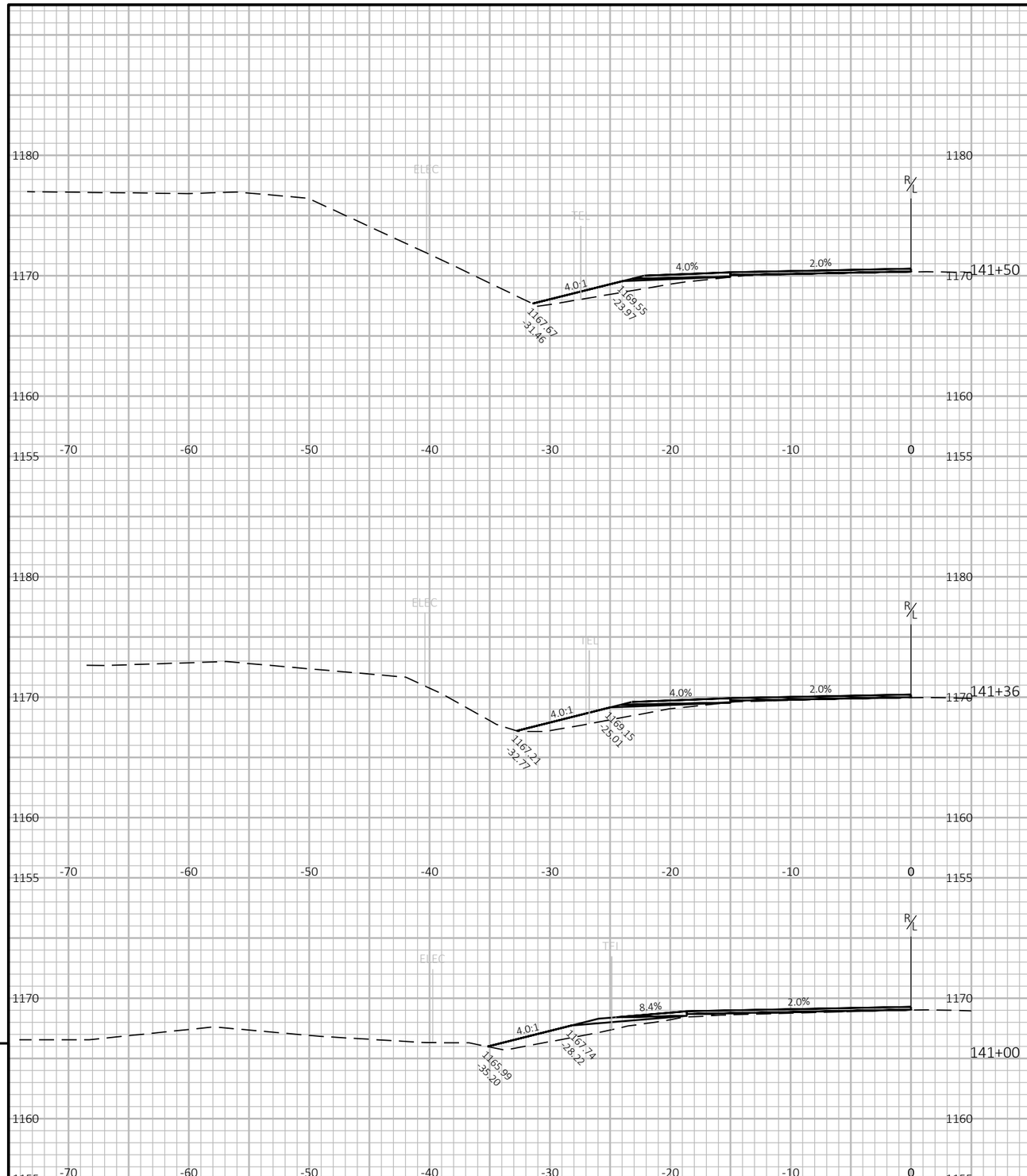
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 281	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 085

PLOT DATE : 10/21/2025 1:54 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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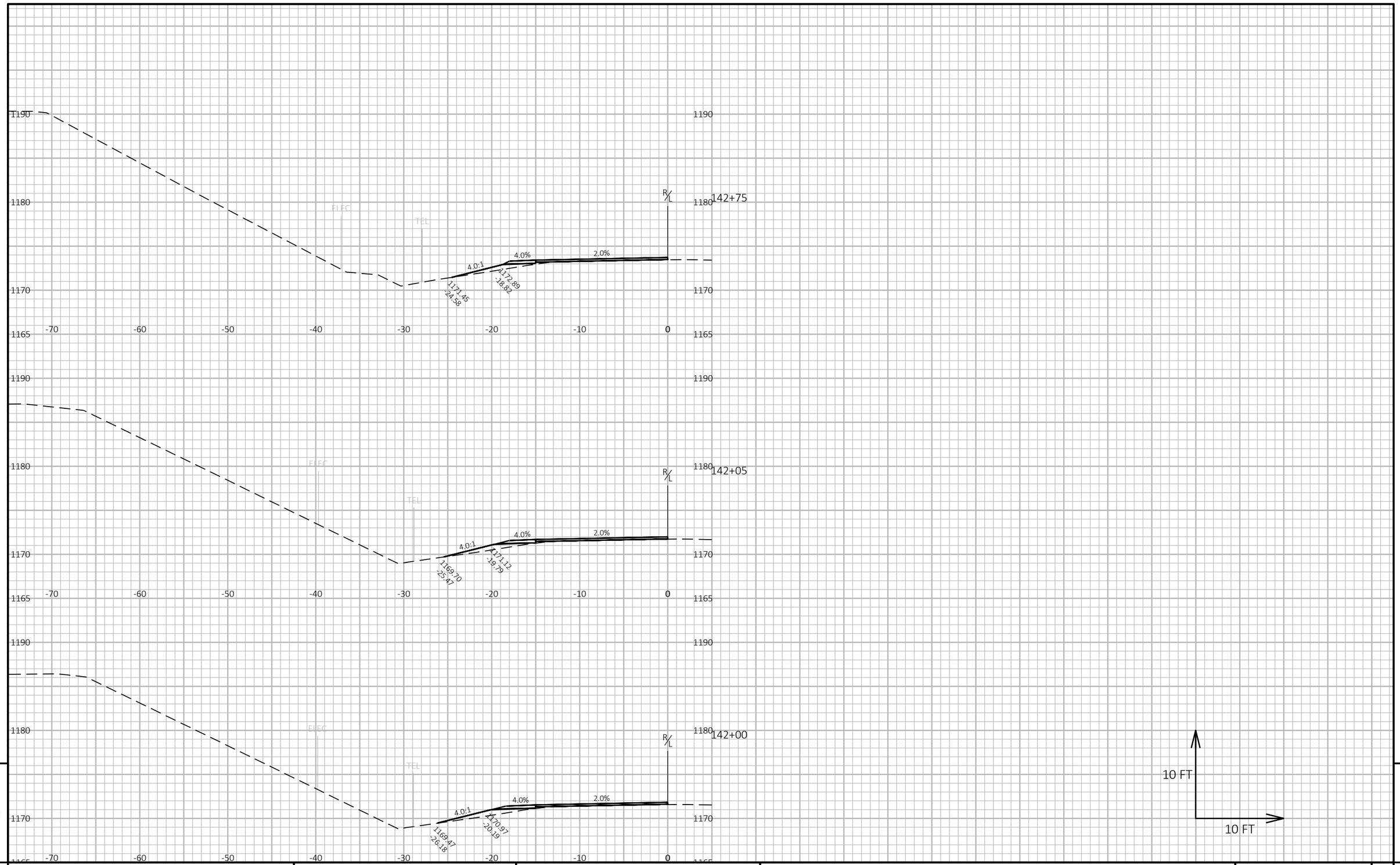
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 282	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 086

PLOT DATE : 10/21/2025 1:55 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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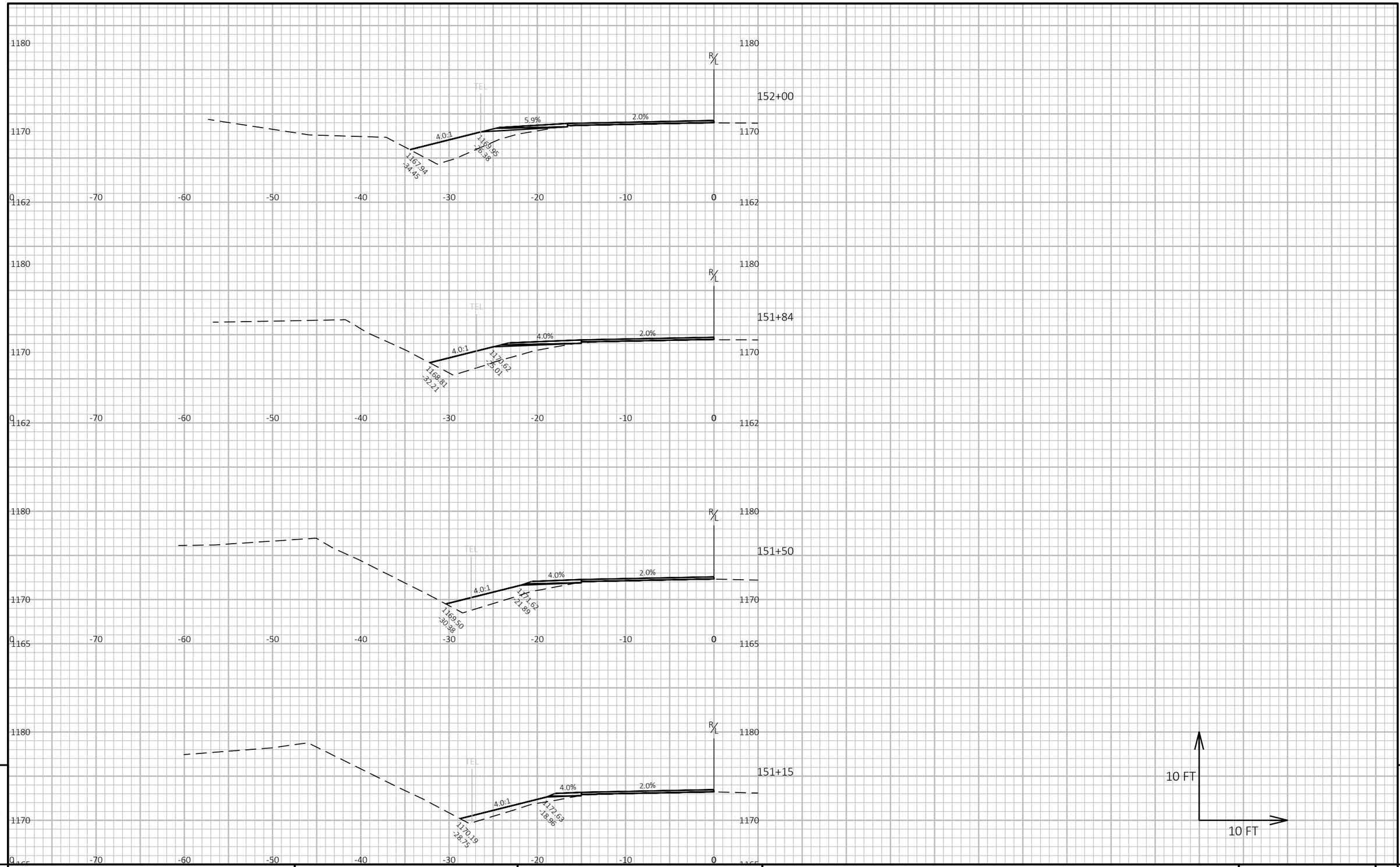
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-135+00	SHEET 283	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 087

PLOT DATE : 10/21/2025 1:55 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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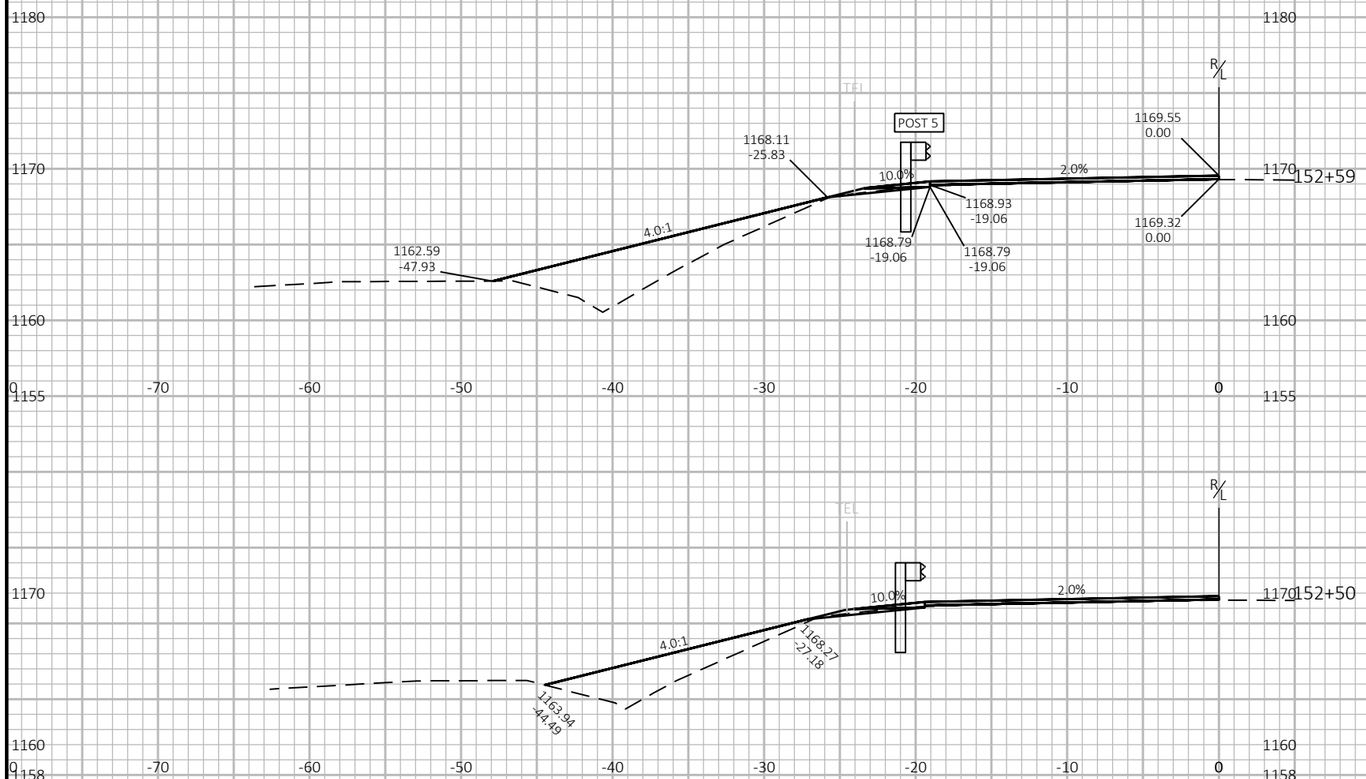
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 284	E

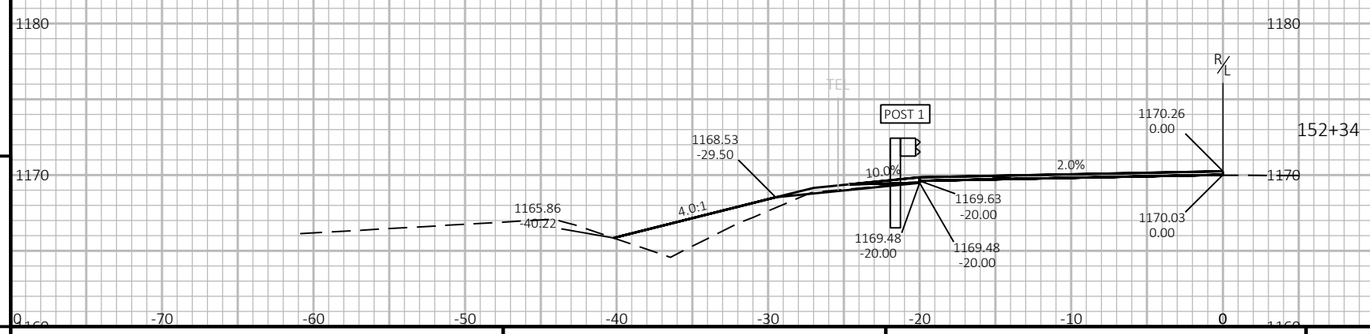
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 088

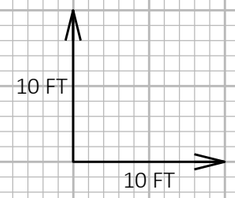
PLOT DATE : 10/21/2025 1:55 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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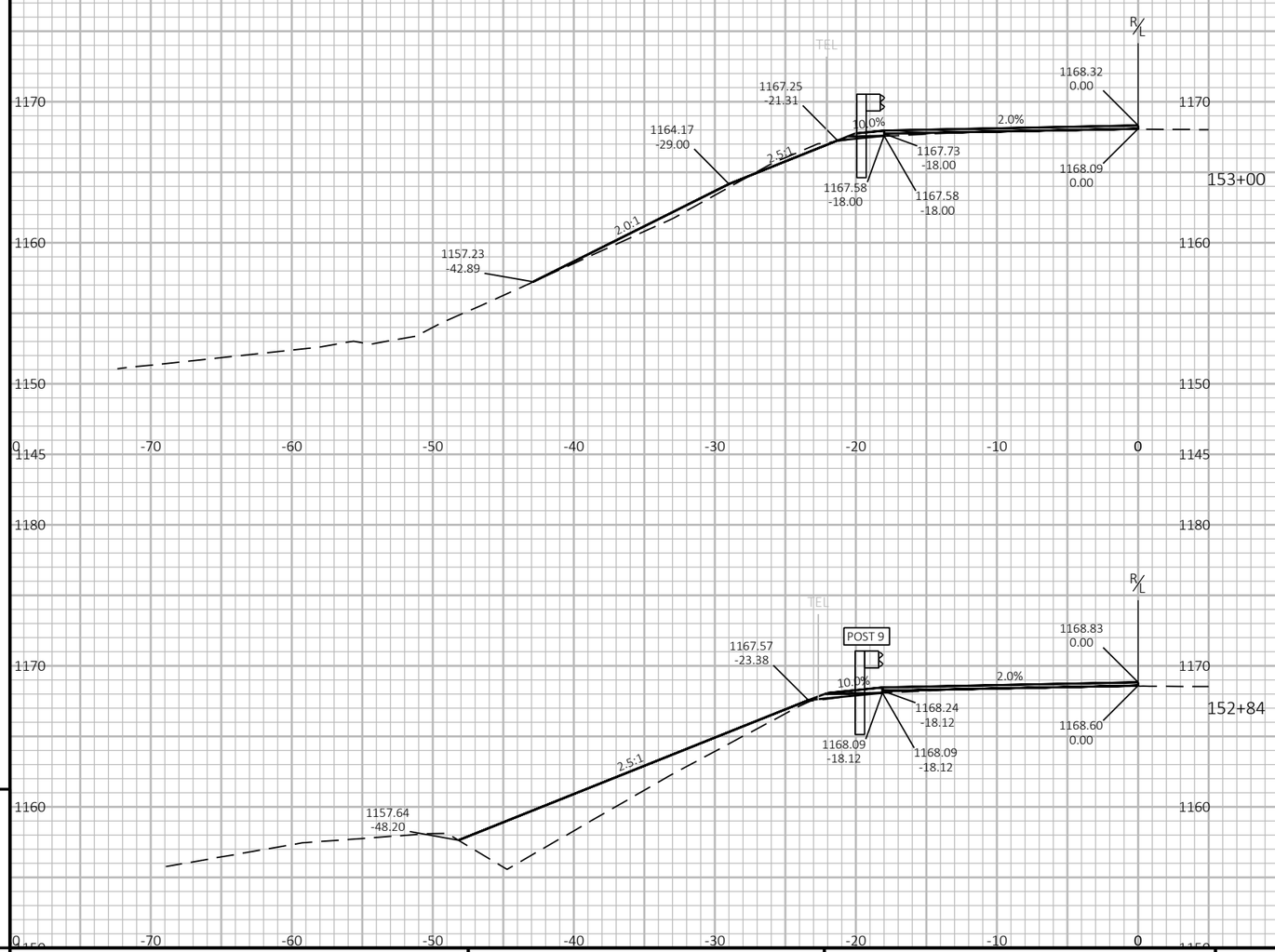
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 285	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 089

PLOT DATE : 10/21/2025 1:56 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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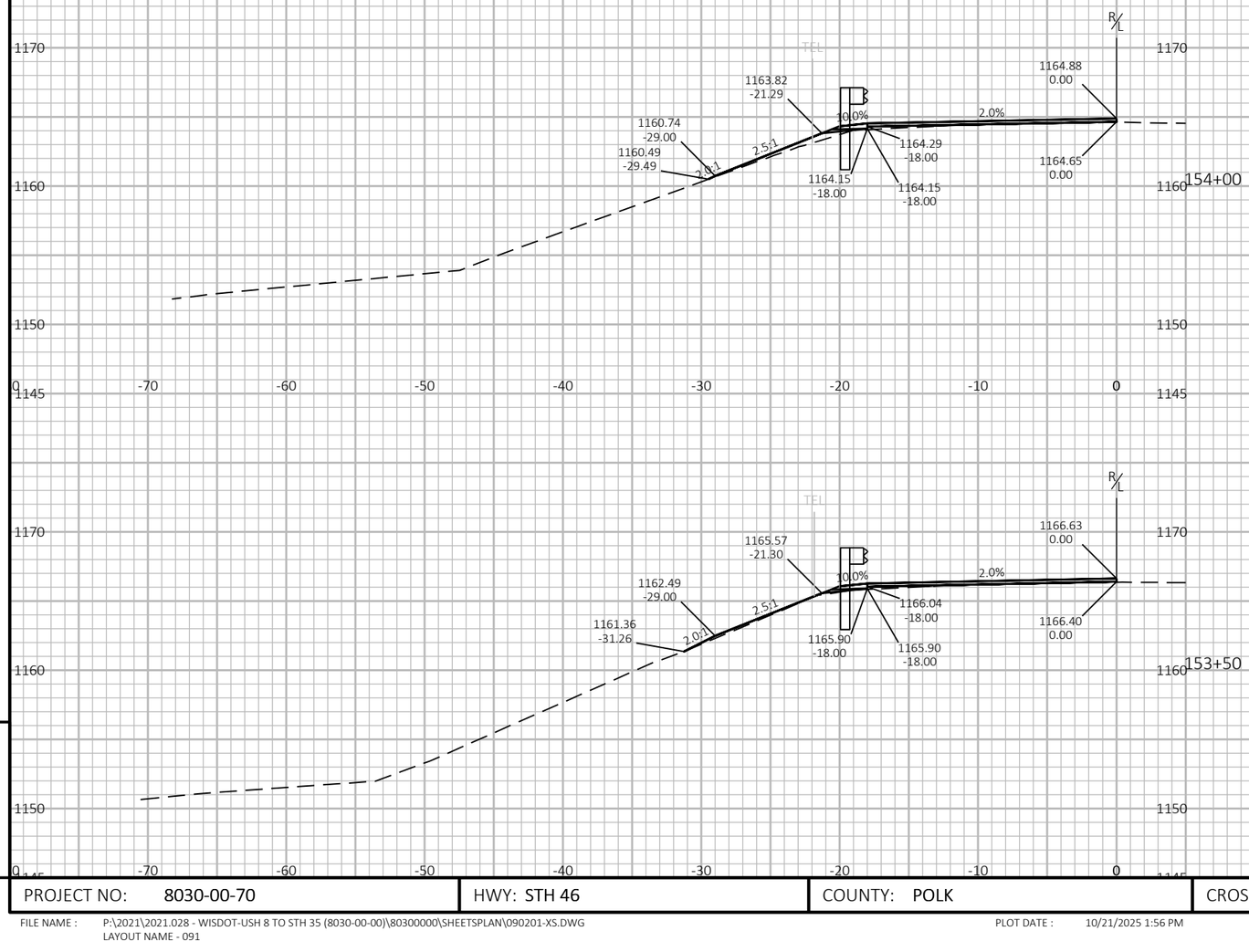
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 286	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 090

PLOT DATE : 10/21/2025 1:56 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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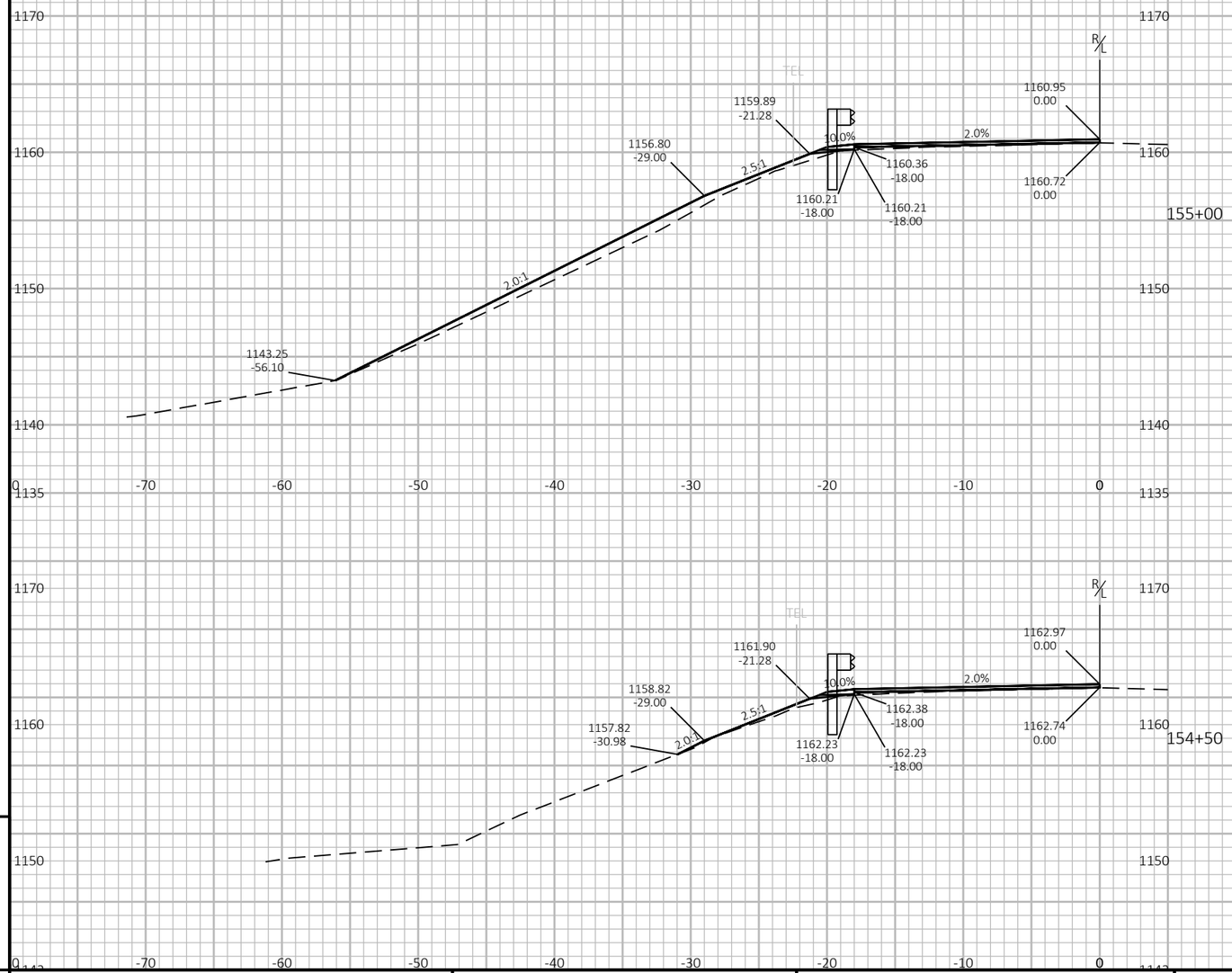
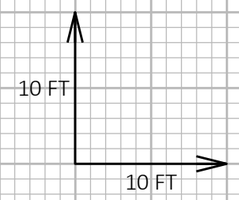
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 287	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 091

PLOT DATE : 10/21/2025 1:56 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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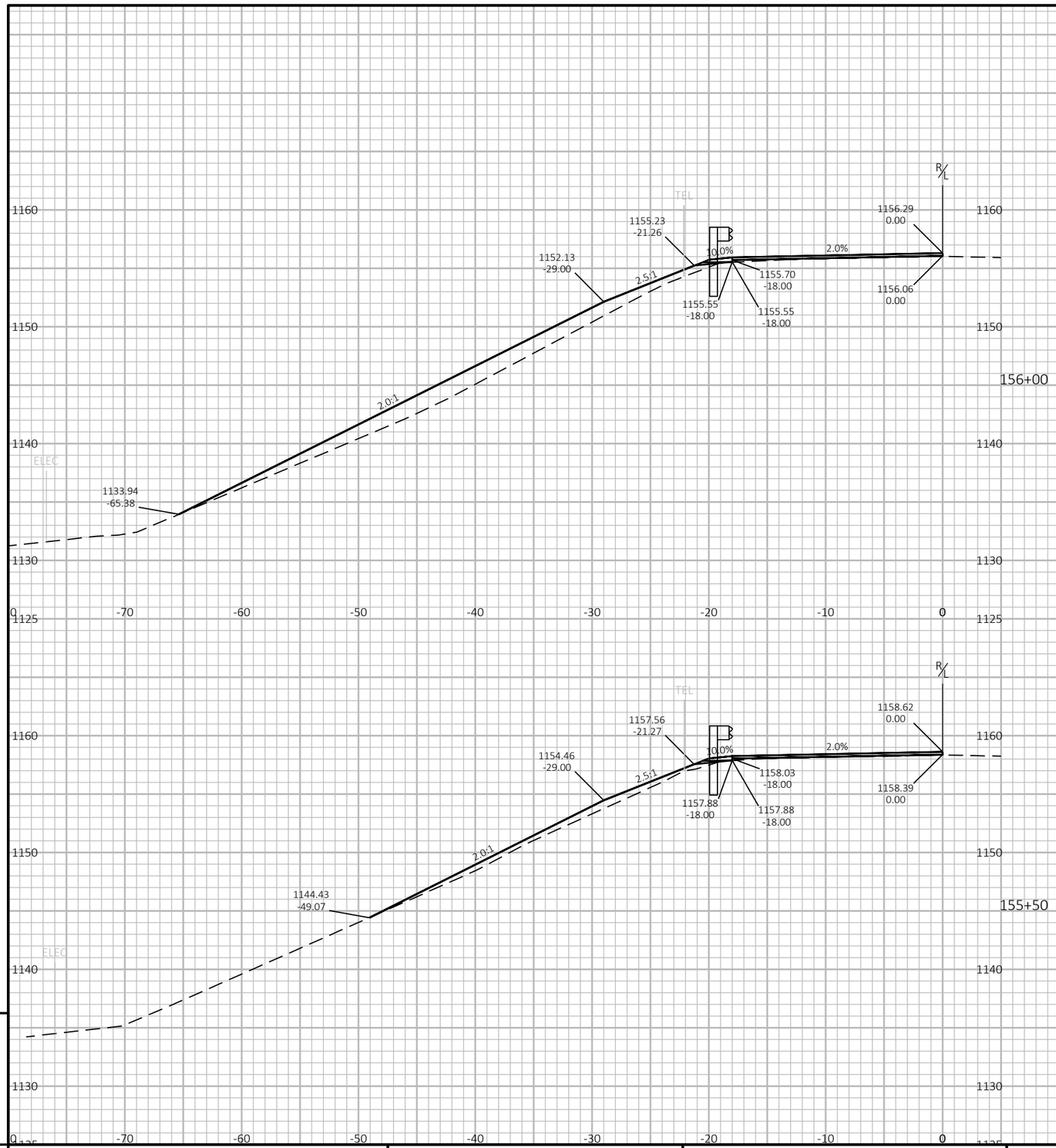
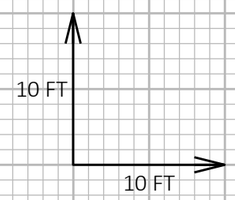
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 288	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 092

PLOT DATE : 10/21/2025 1:57 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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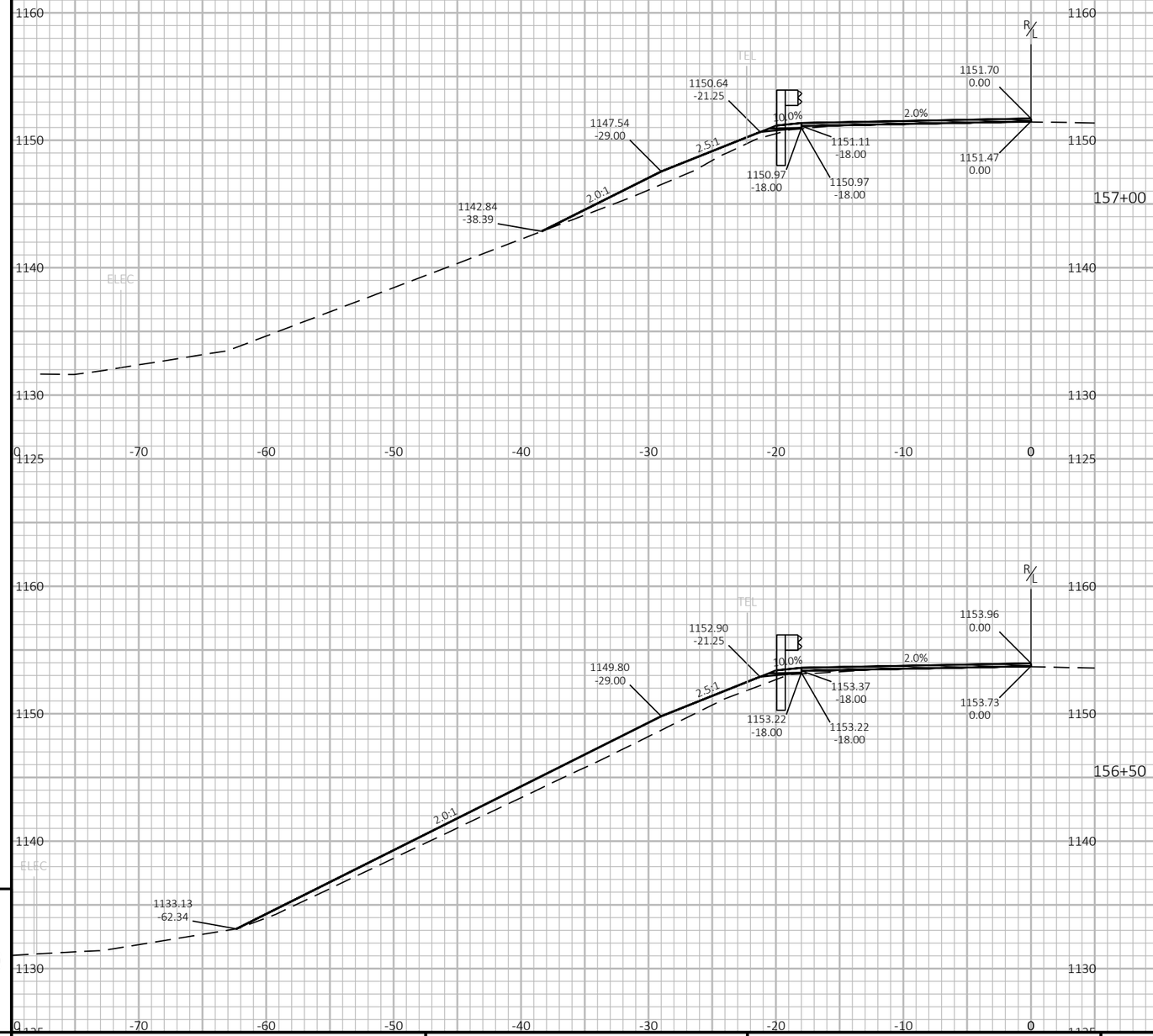
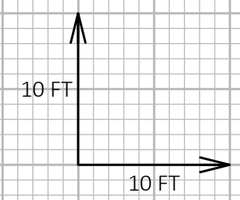
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 289	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 093

PLOT DATE : 10/21/2025 1:57 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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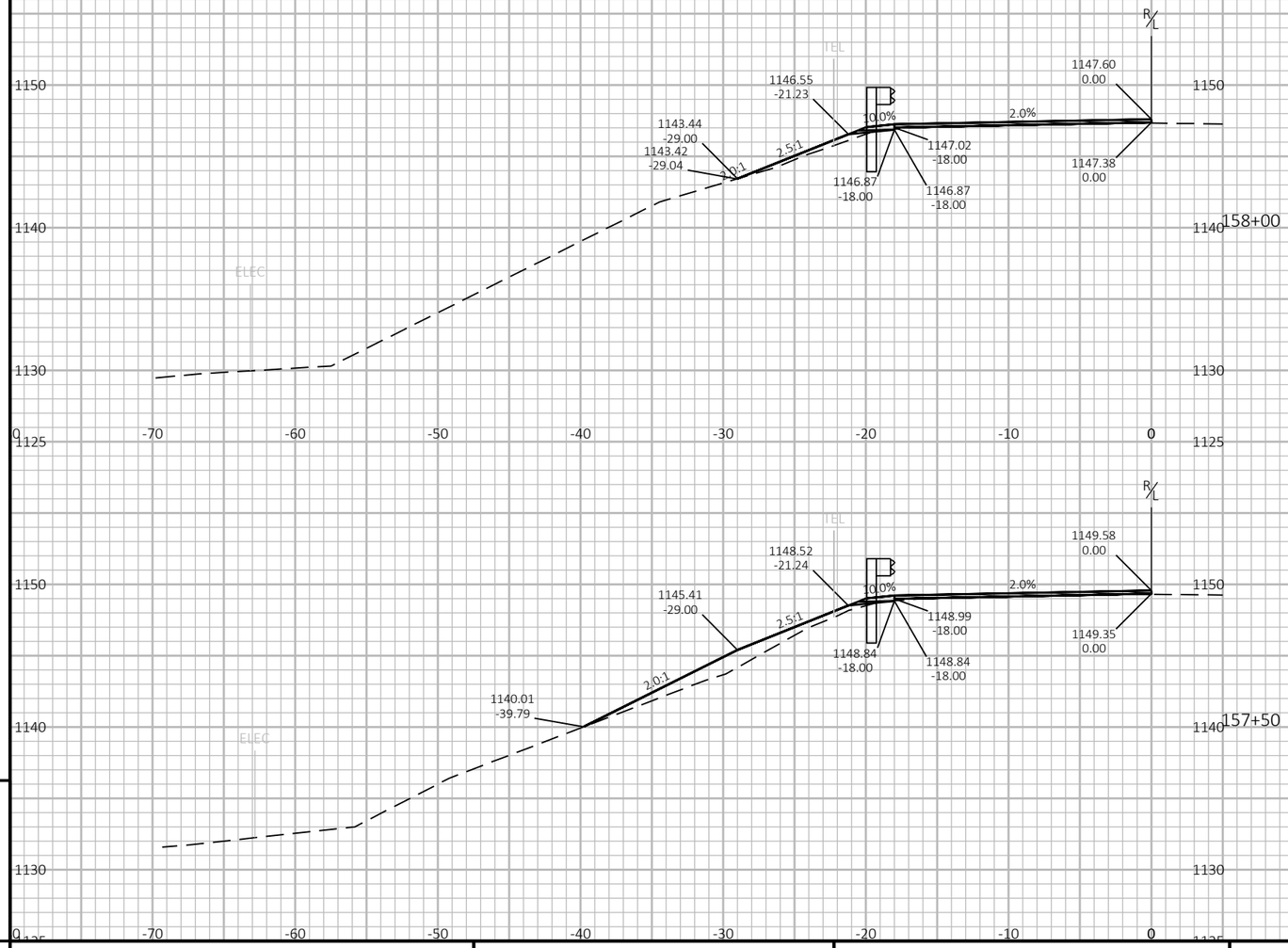
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 290	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 094

PLOT DATE : 10/21/2025 1:57 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

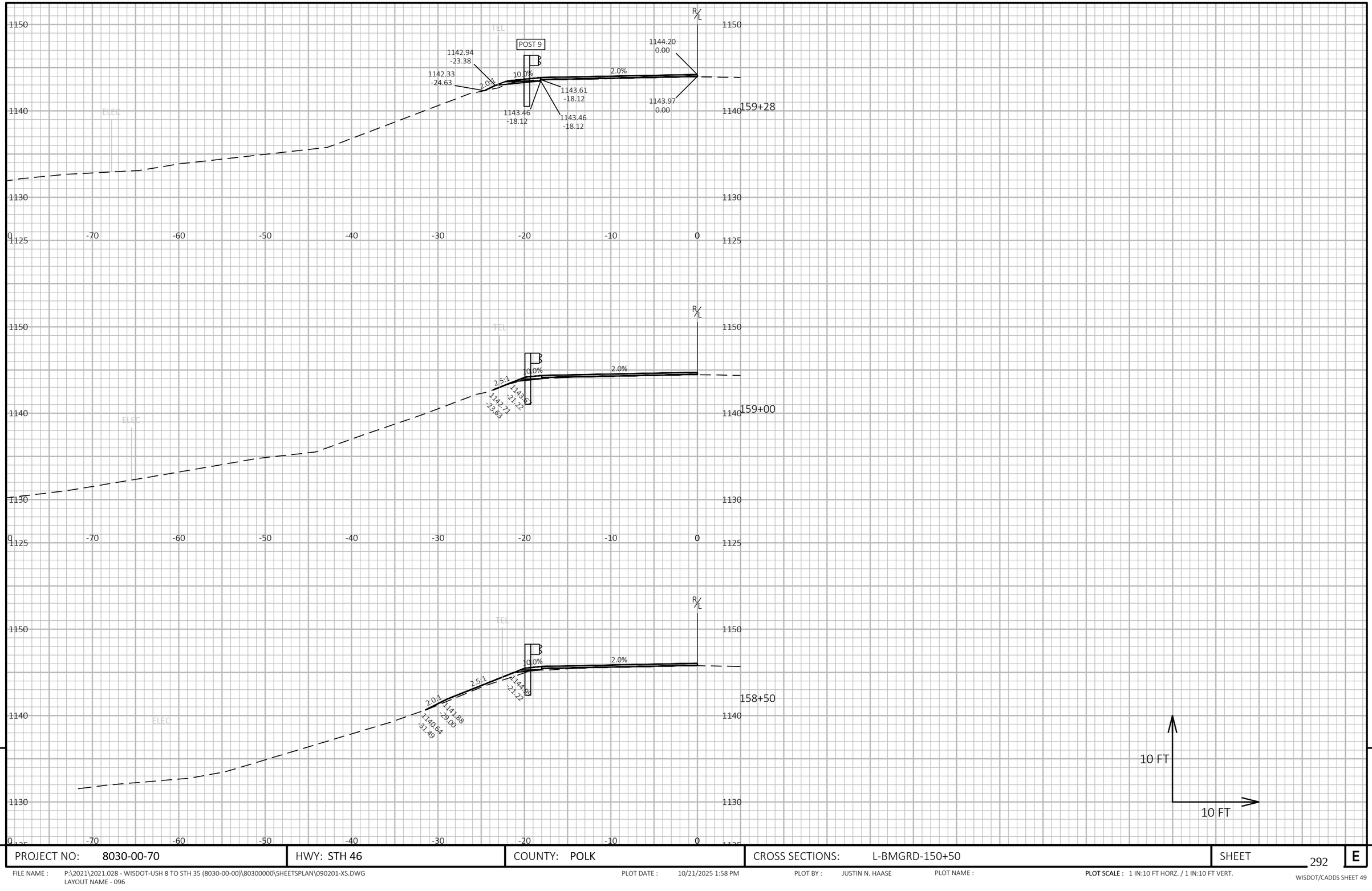


PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 291 E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 095

PLOT DATE : 10/21/2025 1:58 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 292	E

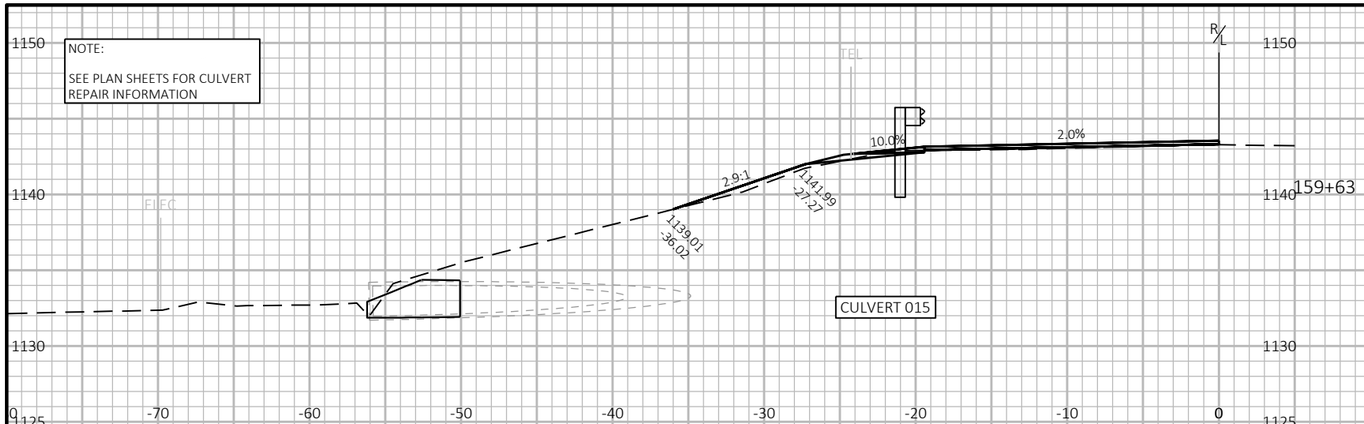
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 096

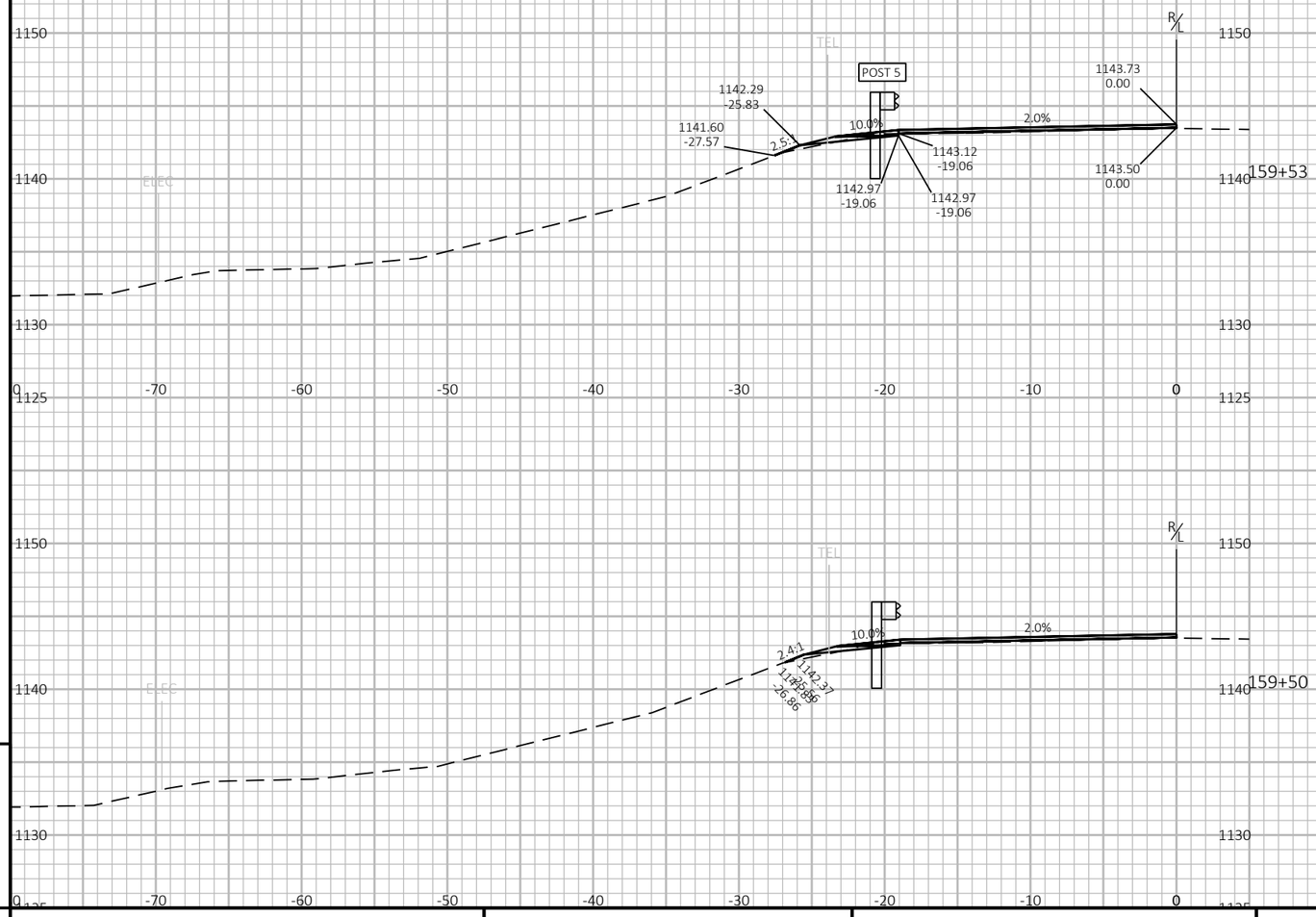
PLOT DATE : 10/21/2025 1:58 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

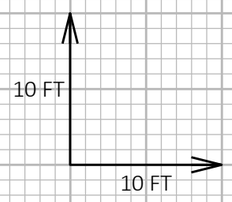
WISDOT/CADDS SHEET 49

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION







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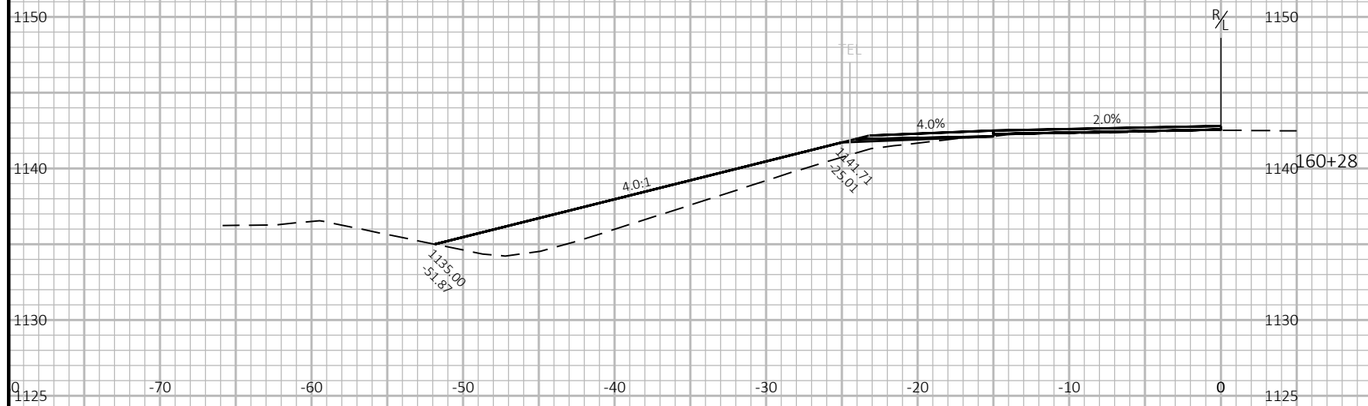
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 293	E

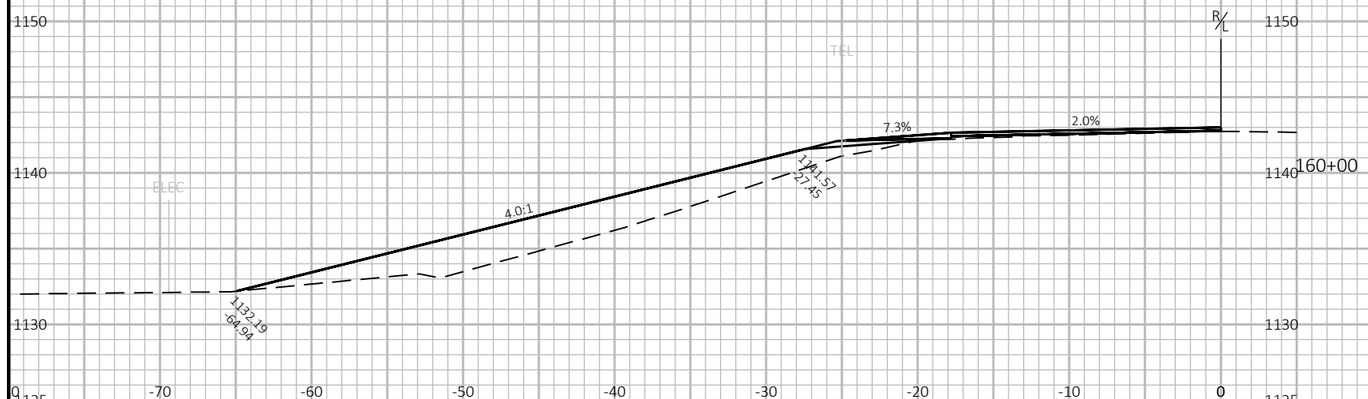
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 097

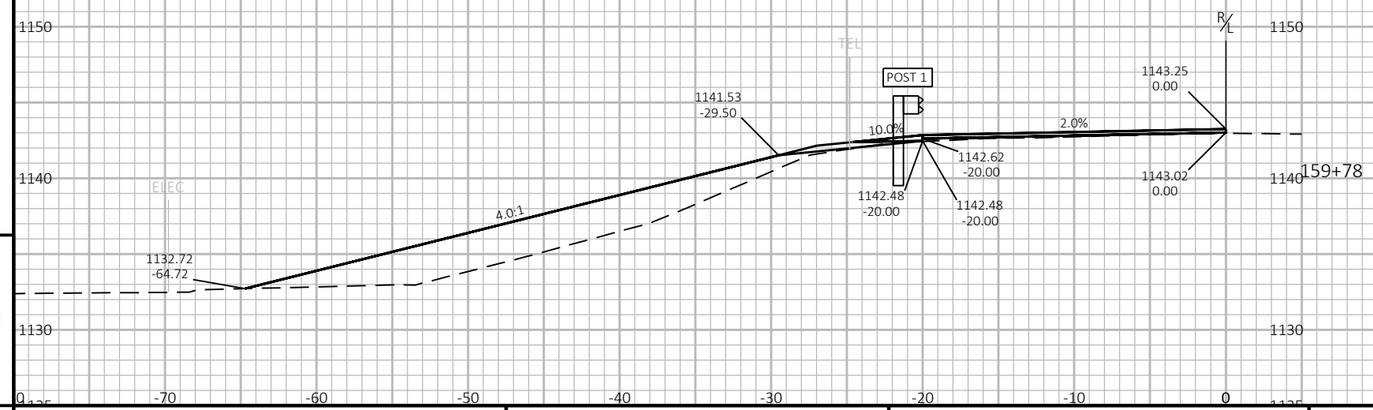
PLOT DATE : 10/21/2025 1:58 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

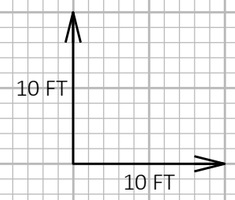
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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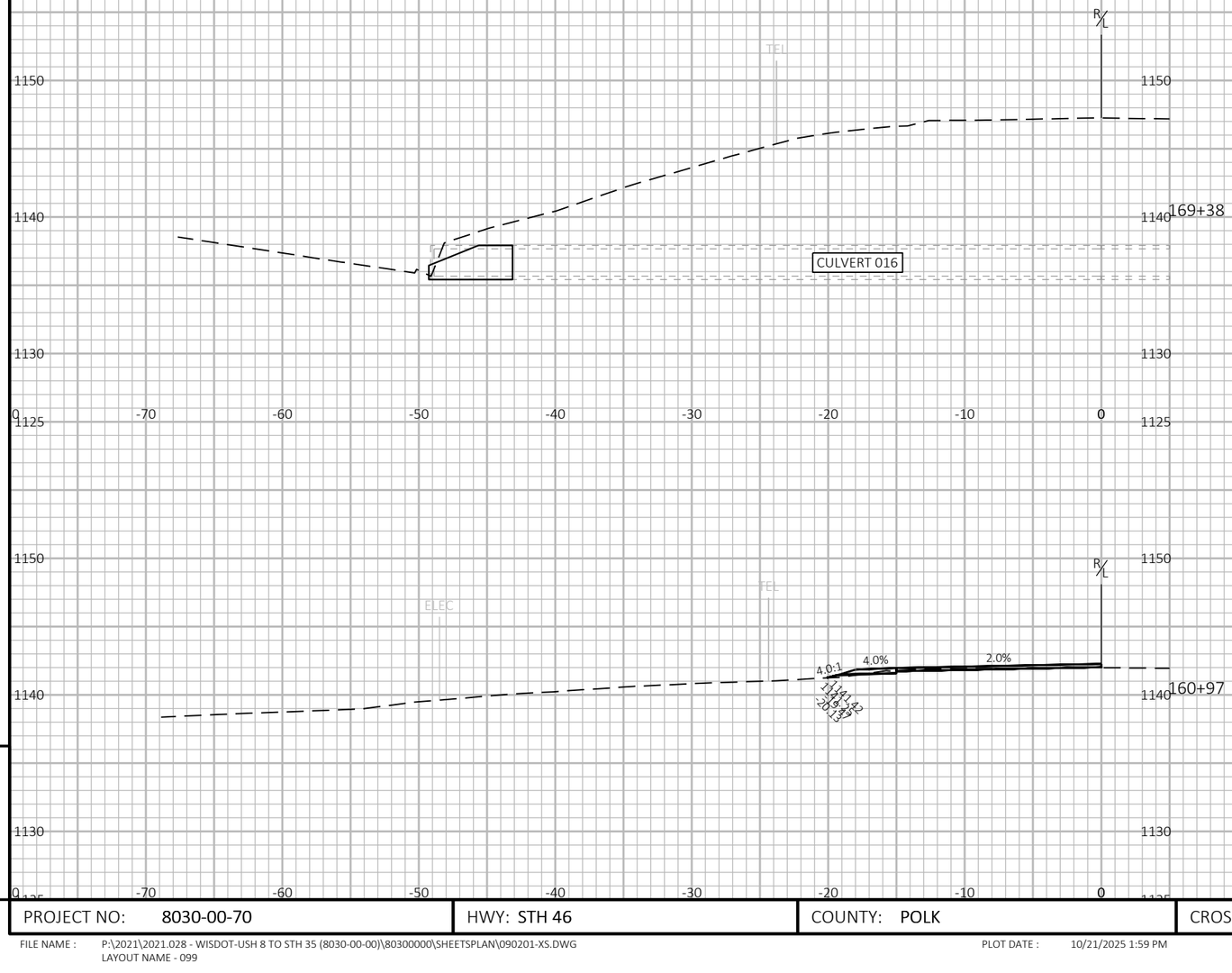
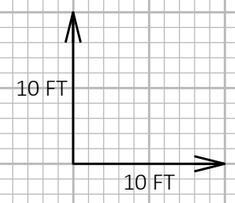
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 294	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 098

PLOT DATE : 10/21/2025 1:59 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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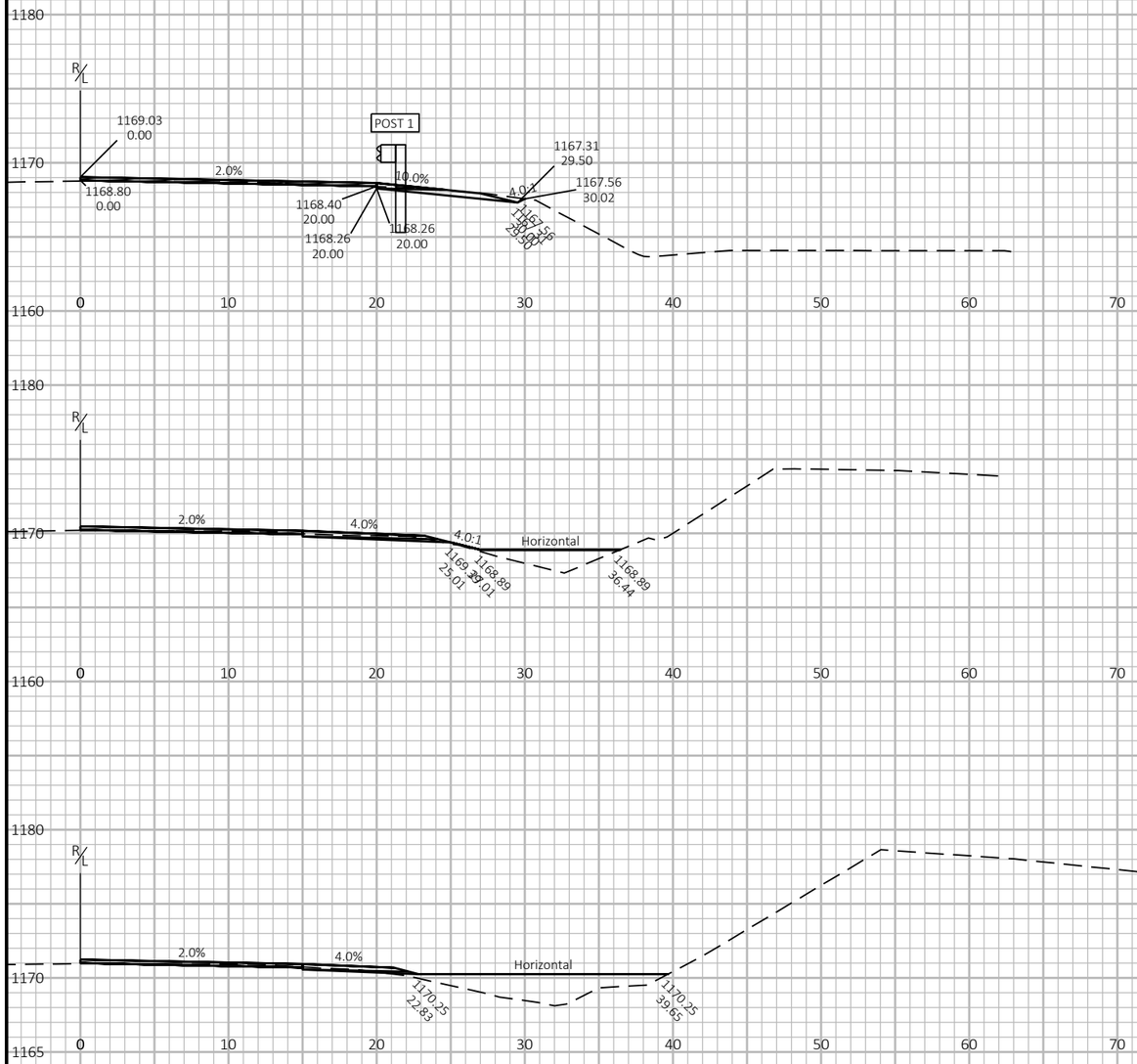
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-150+50	SHEET 295	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 099

PLOT DATE : 10/21/2025 1:59 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

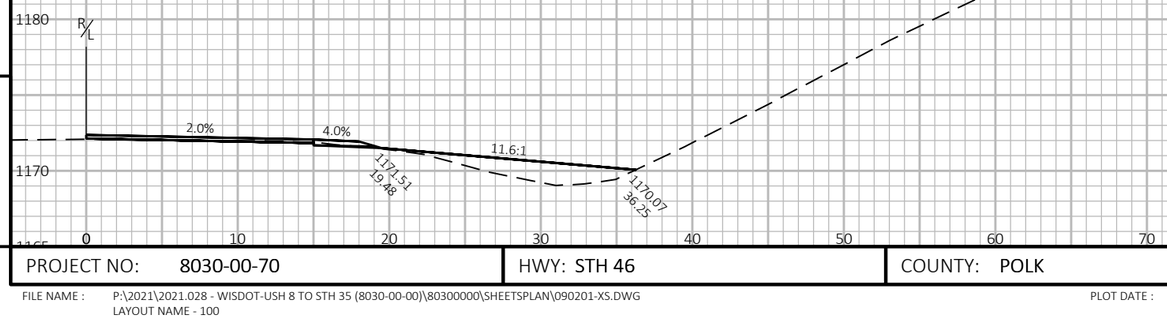
WISDOT/CADDS SHEET 49



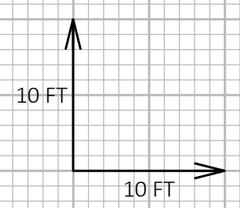
152+77

152+27

152+00



151+58



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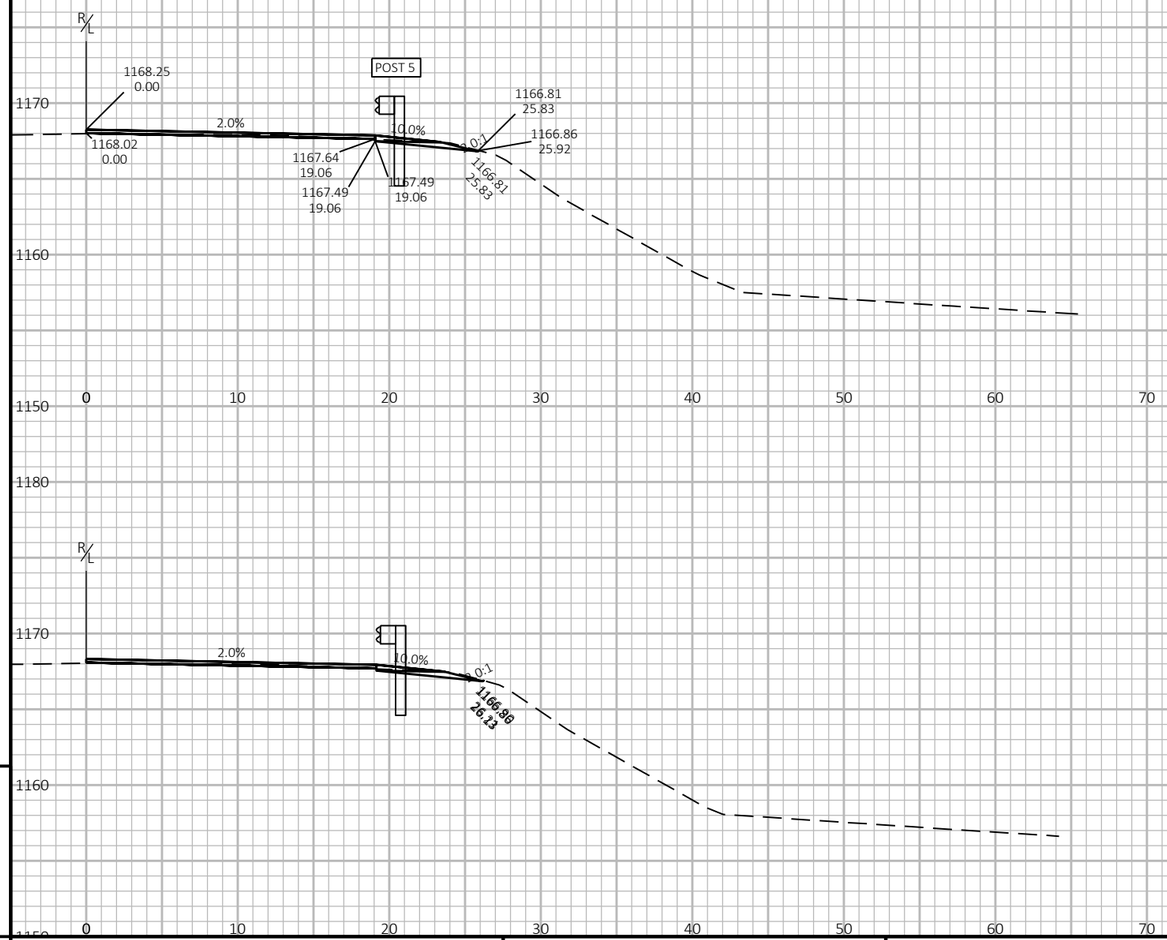
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 296	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 100

PLOT DATE : 10/21/2025 1:59 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 297	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 101
PLOT DATE : 10/21/2025 2:00 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
WISDOT/CADDS SHEET 49

1180
1170
1160
1150
1145
0 10 20 30 40 50 60 70

R/L
1166.63
0.00
2.0%
1166.40
0.00
10.0%
1165.57
21.31
1165.73
21.63
1166.04
18.00
1165.90
18.00
1165.59
18.00
1165.57
21.31

153+50

1180
1170
1160
1150
1145
0 10 20 30 40 50 60 70

R/L
1167.41
0.00
POST 9
2.0%
1167.18
0.00
10.0%
1166.14
23.38
1166.13
23.42
1166.81
18.12
1166.67
18.12
1166.67
18.12

153+27

10 FT
10 FT

9

9

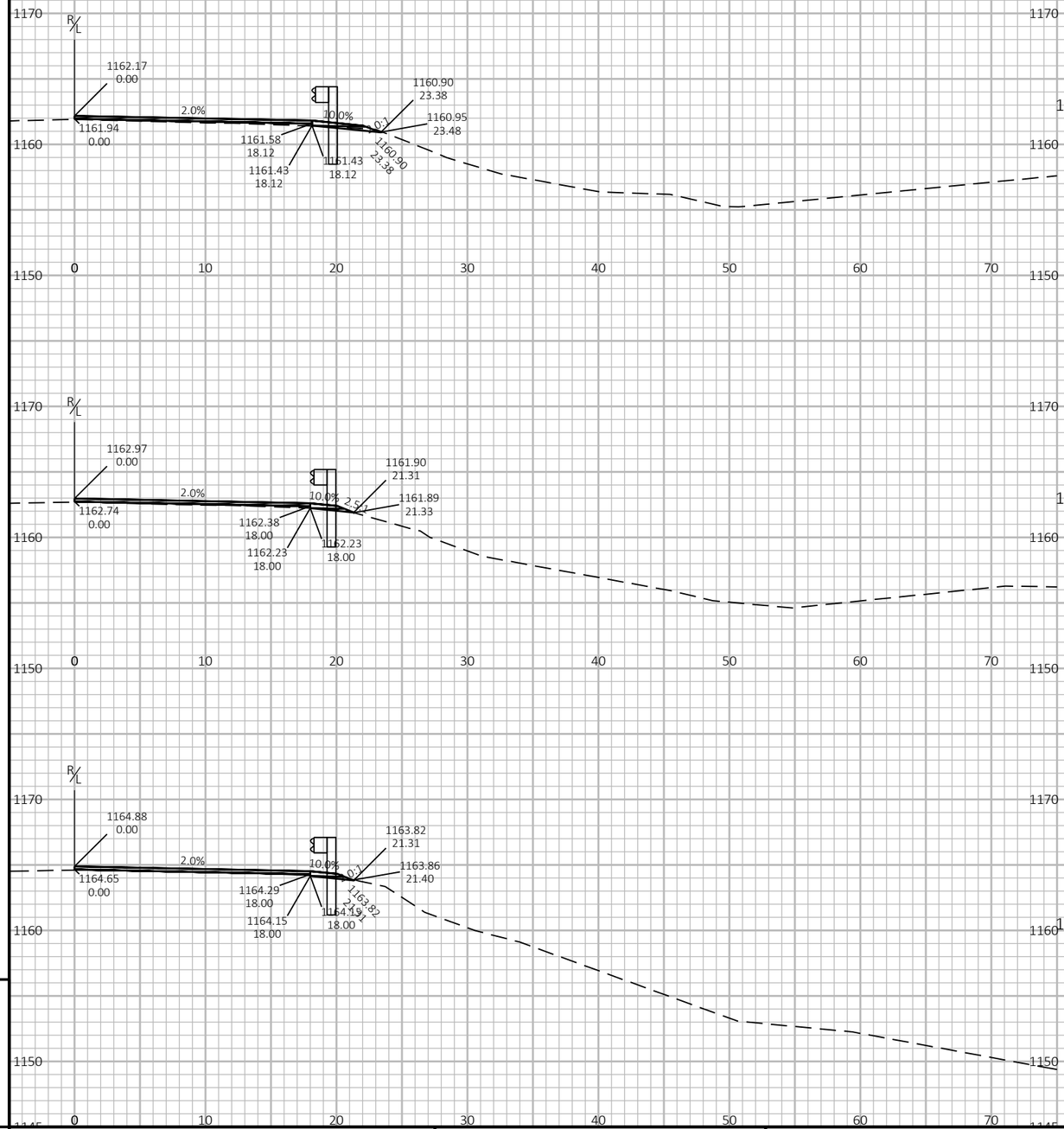
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 298	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 102

PLOT DATE : 10/21/2025 2:00 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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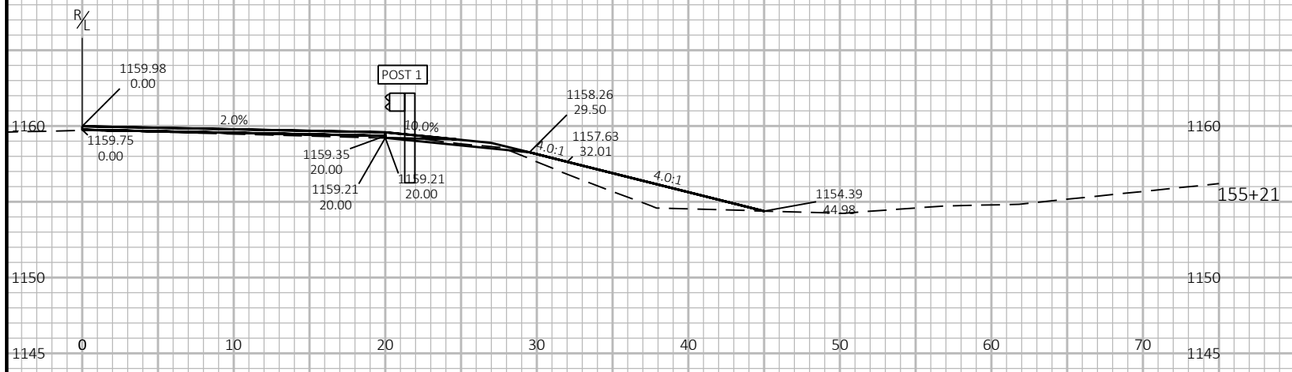
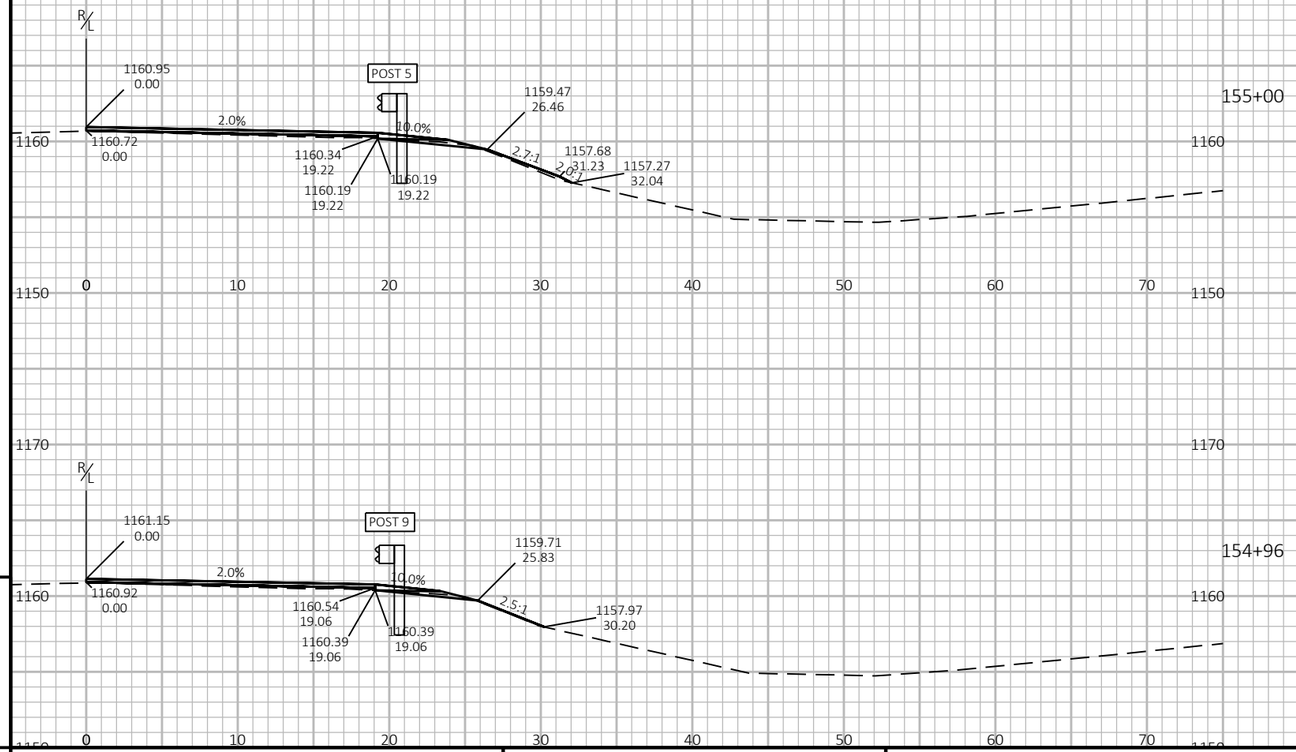
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 299	E

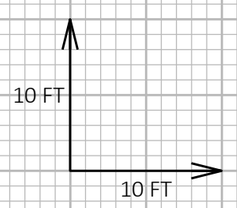
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 103

PLOT DATE : 10/21/2025 2:00 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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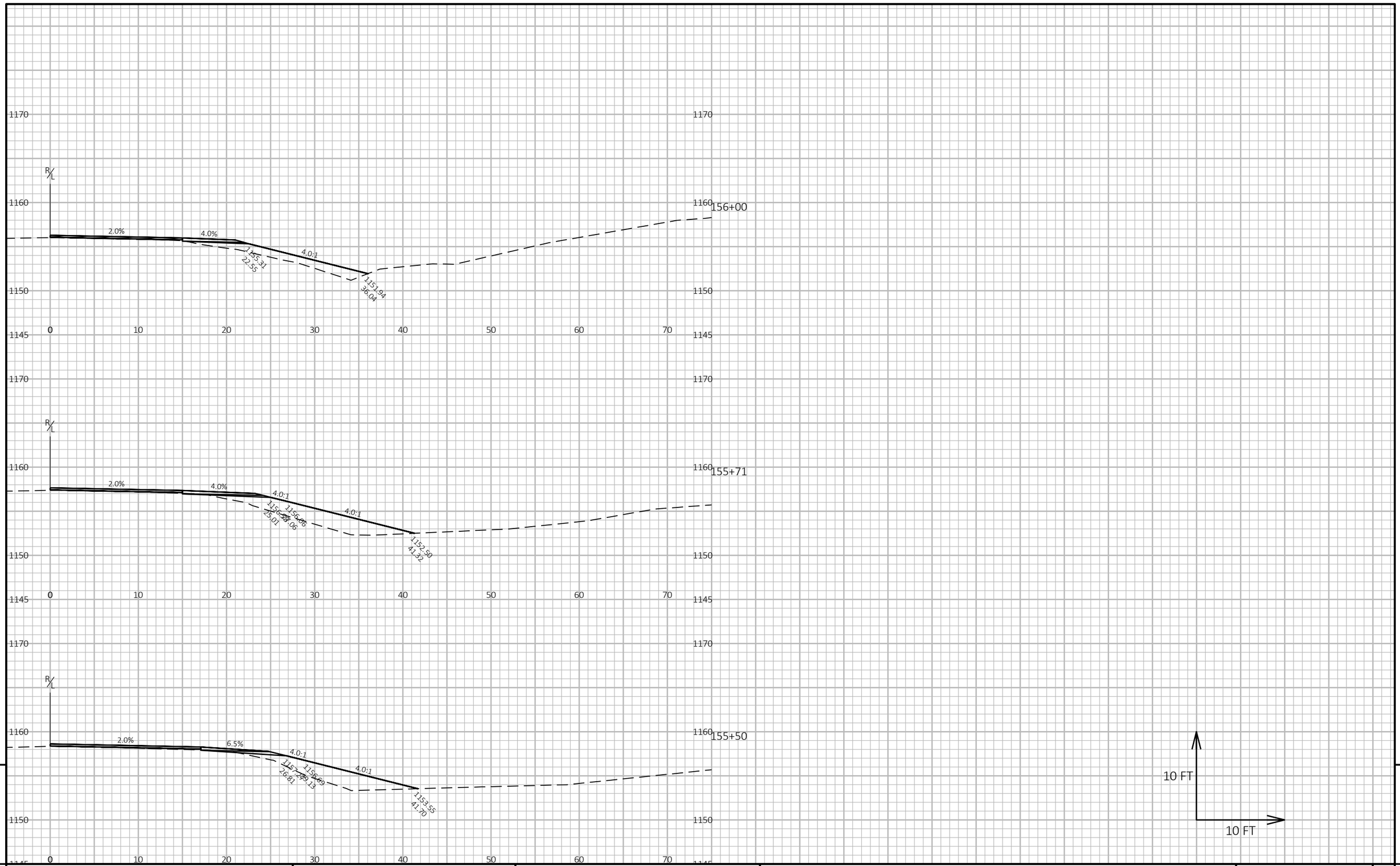
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 300	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 104

PLOT DATE : 10/21/2025 2:01 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 301	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 105

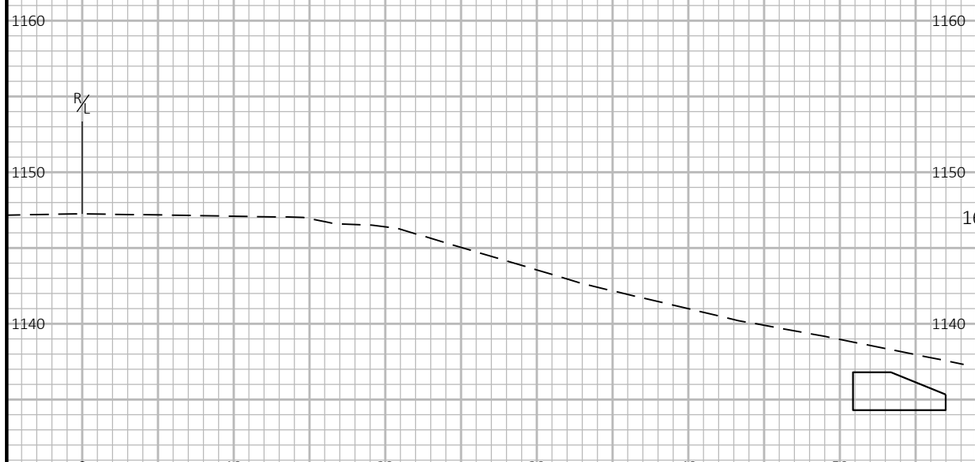
PLOT DATE : 10/21/2025 2:01 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

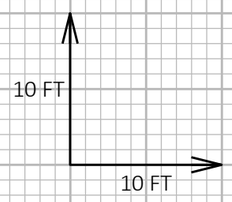
PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION





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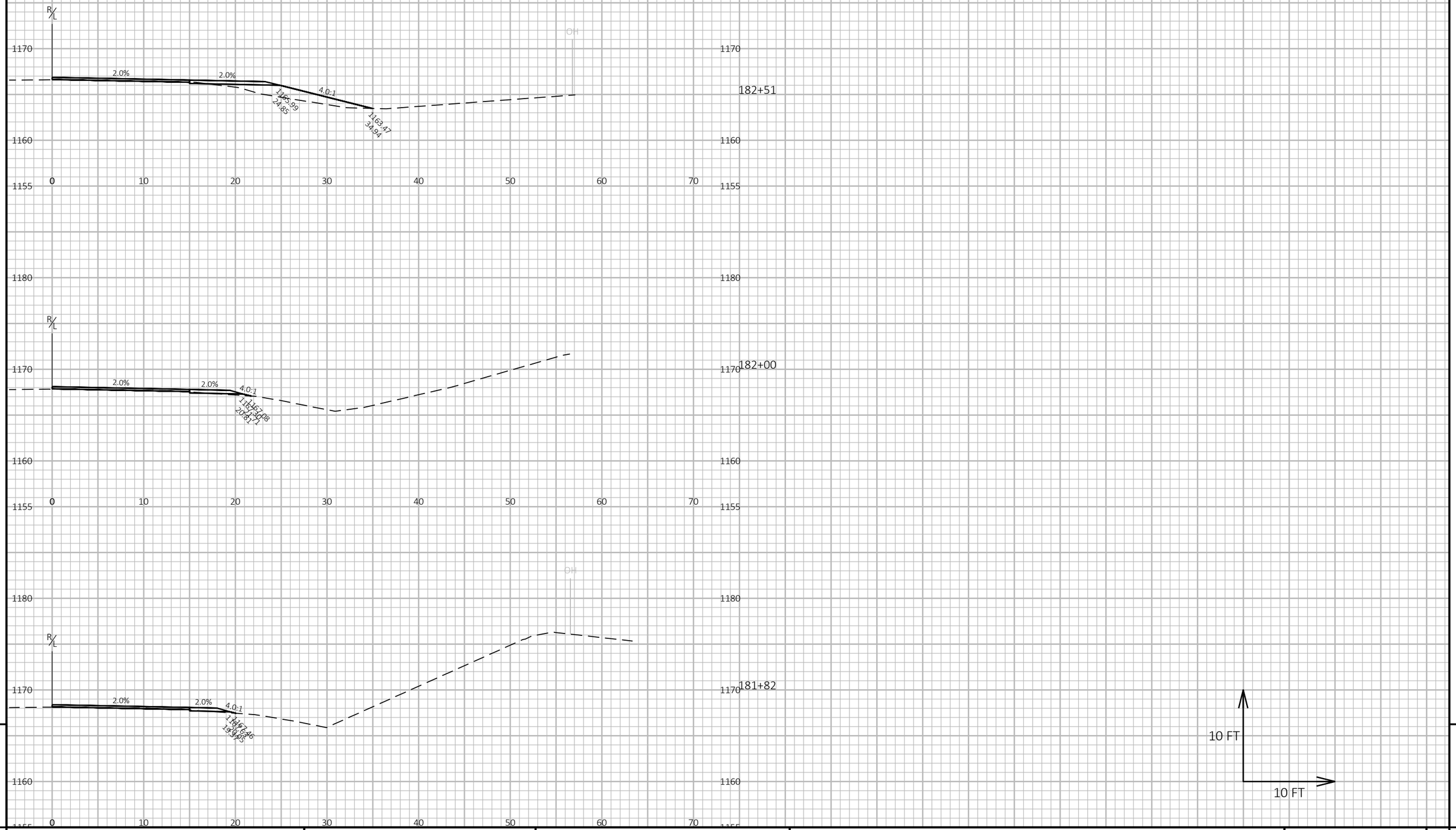
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-151+00	SHEET 302	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 106

PLOT DATE : 10/21/2025 2:01 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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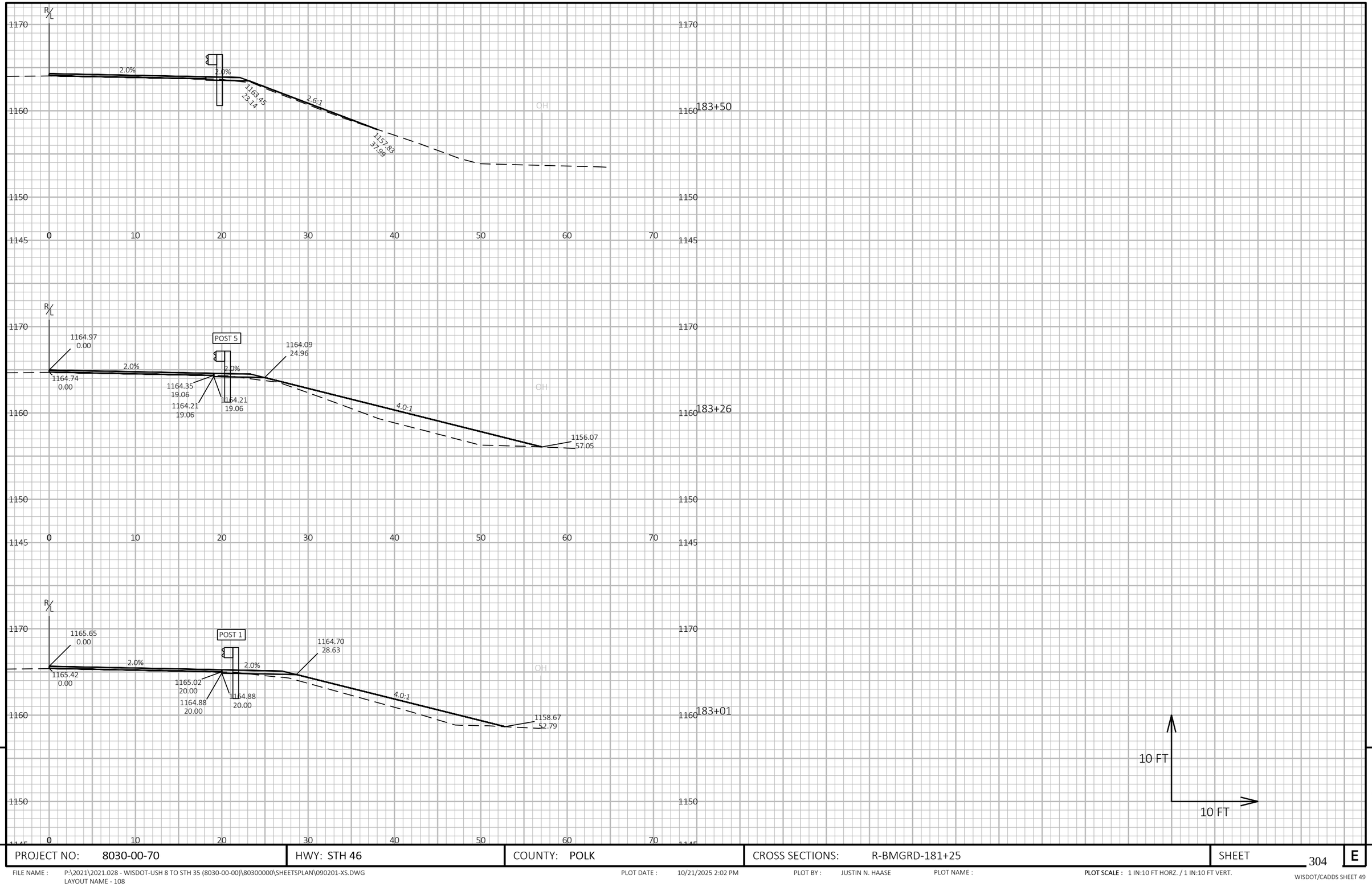
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 303	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 107

PLOT DATE : 10/21/2025 2:02 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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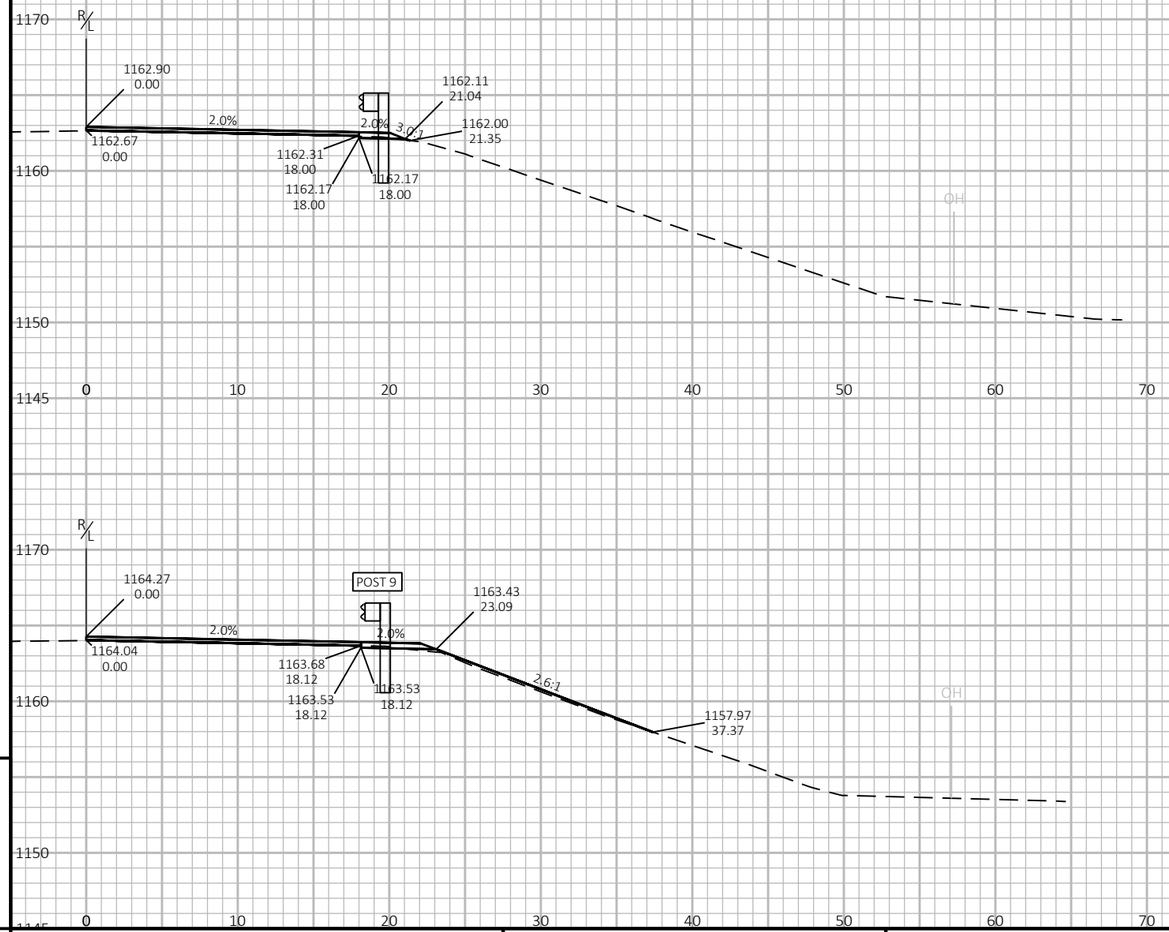
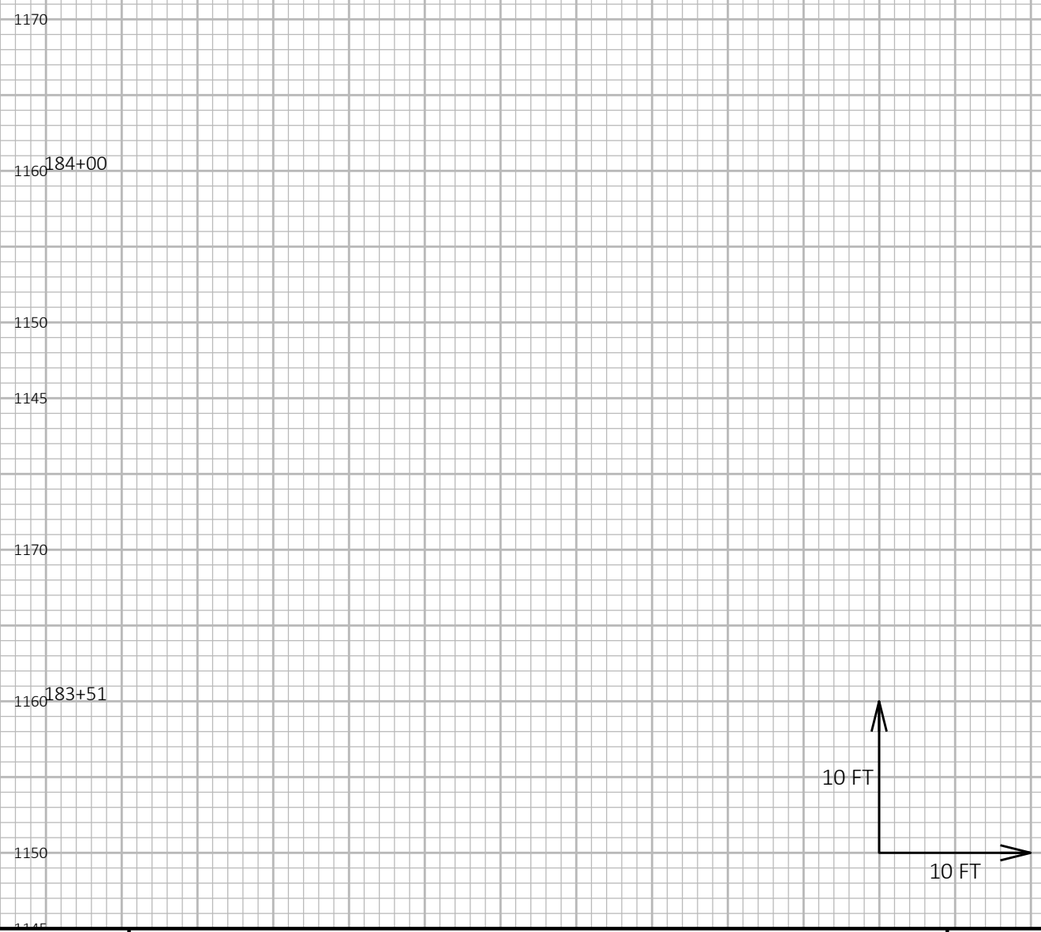
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 304	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 108

PLOT DATE : 10/21/2025 2:02 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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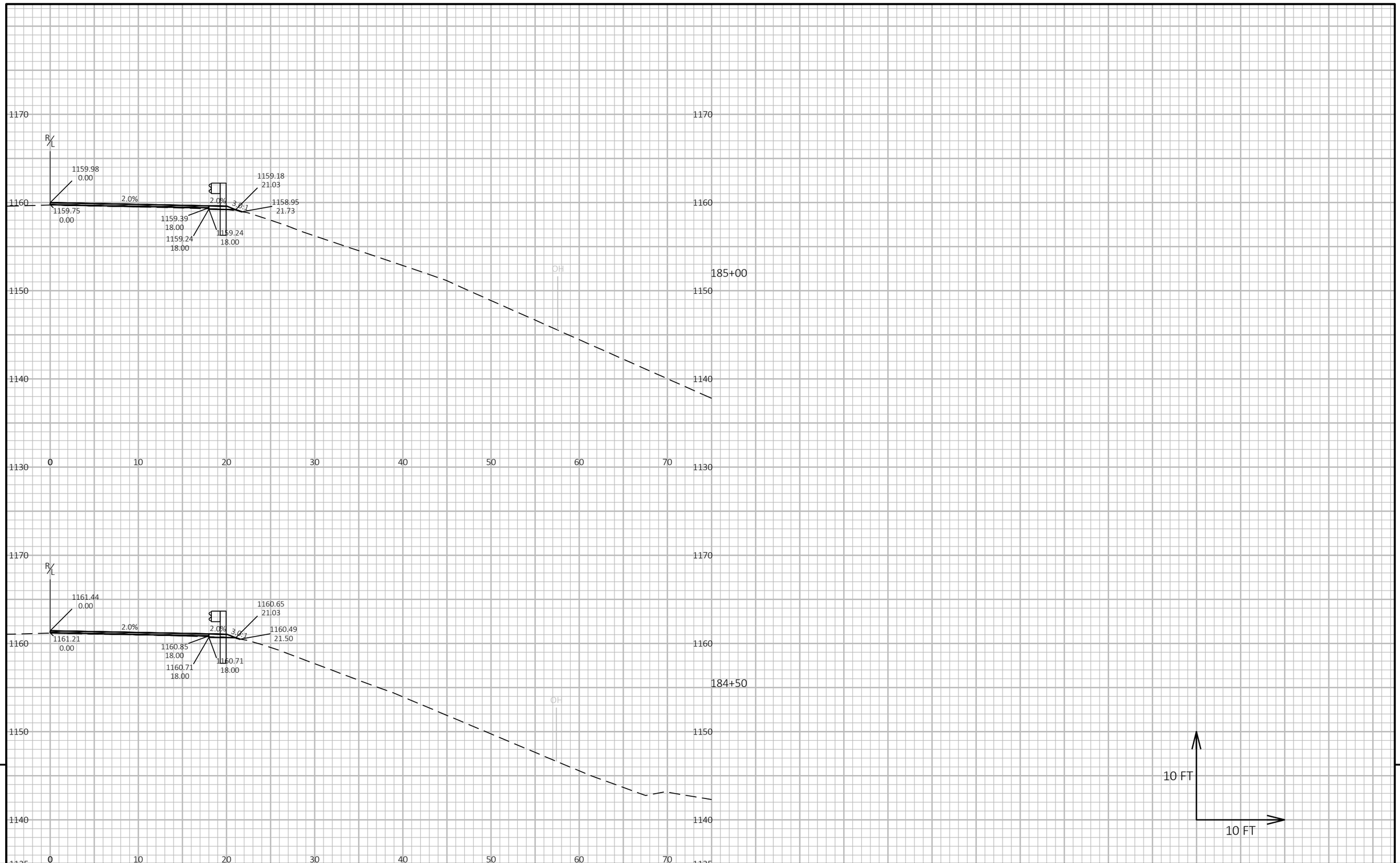
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 305	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 109

PLOT DATE : 10/21/2025 2:02 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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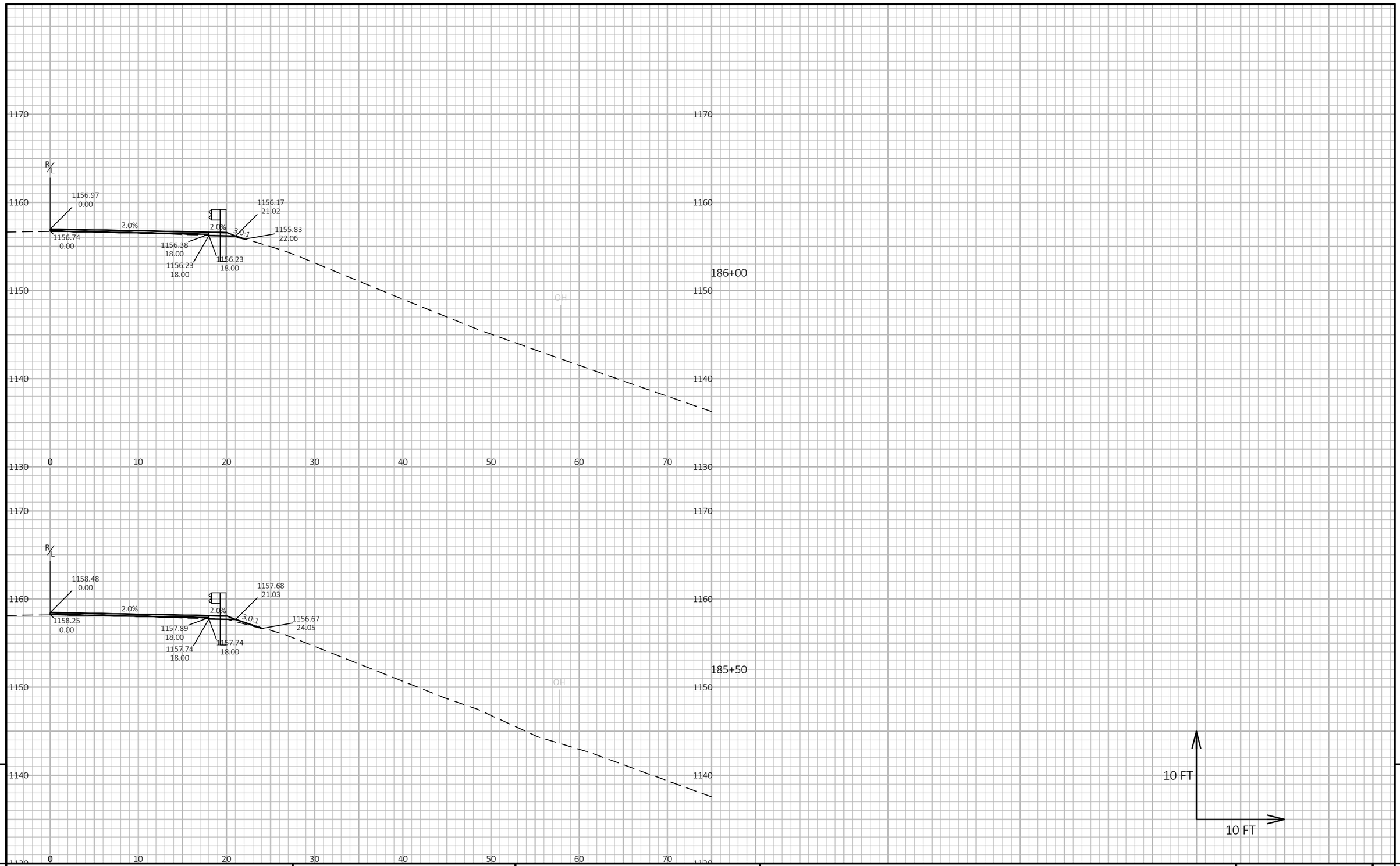
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 306	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 110

PLOT DATE : 10/21/2025 2:03 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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9

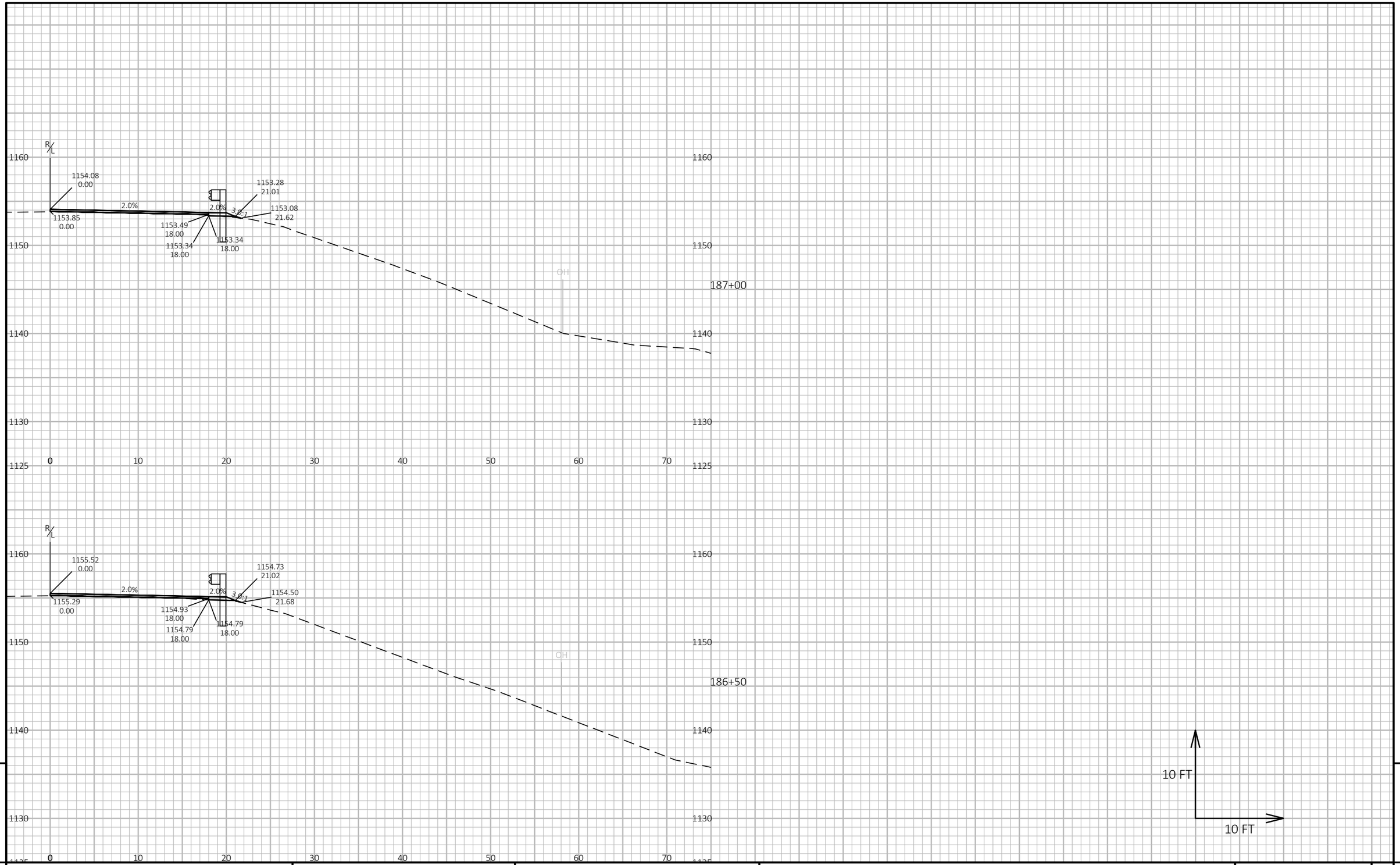
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 307	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 111

PLOT DATE : 10/21/2025 2:03 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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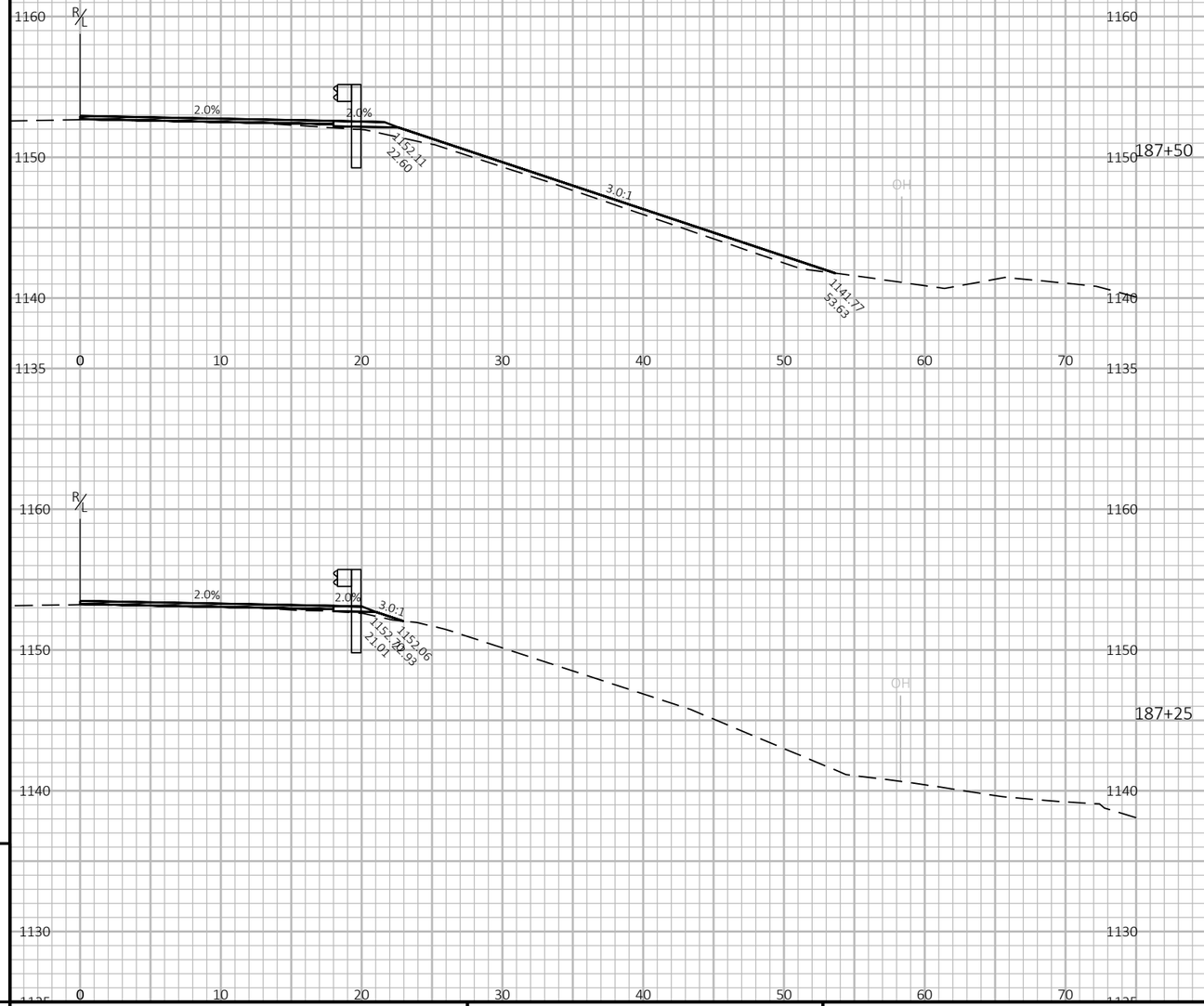
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 308	E

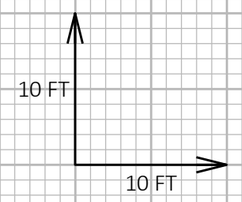
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 112

PLOT DATE : 10/21/2025 2:03 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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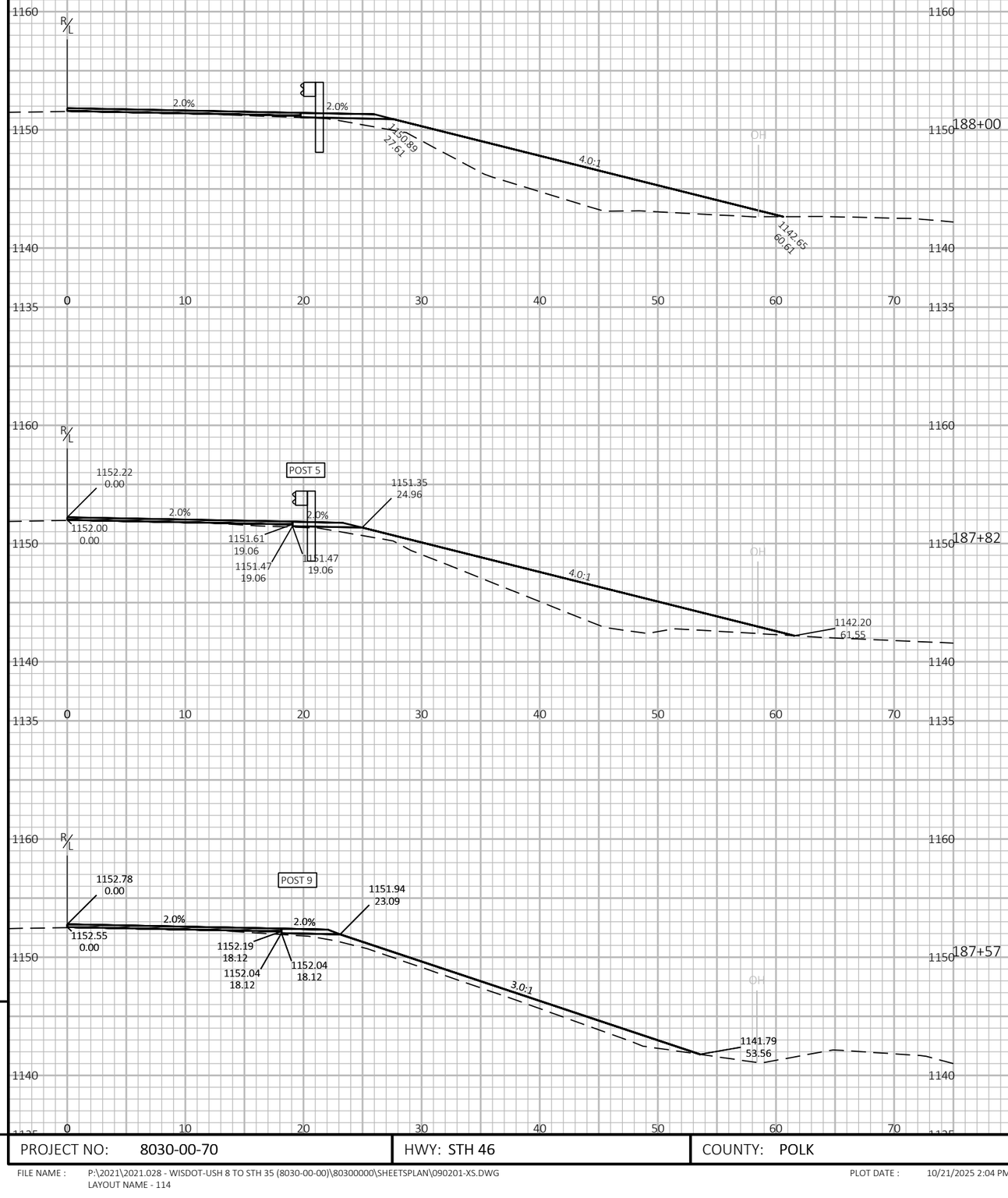
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 309	E

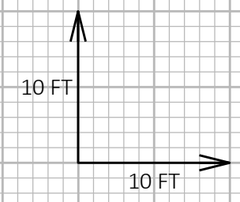
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 113

PLOT DATE : 10/21/2025 2:04 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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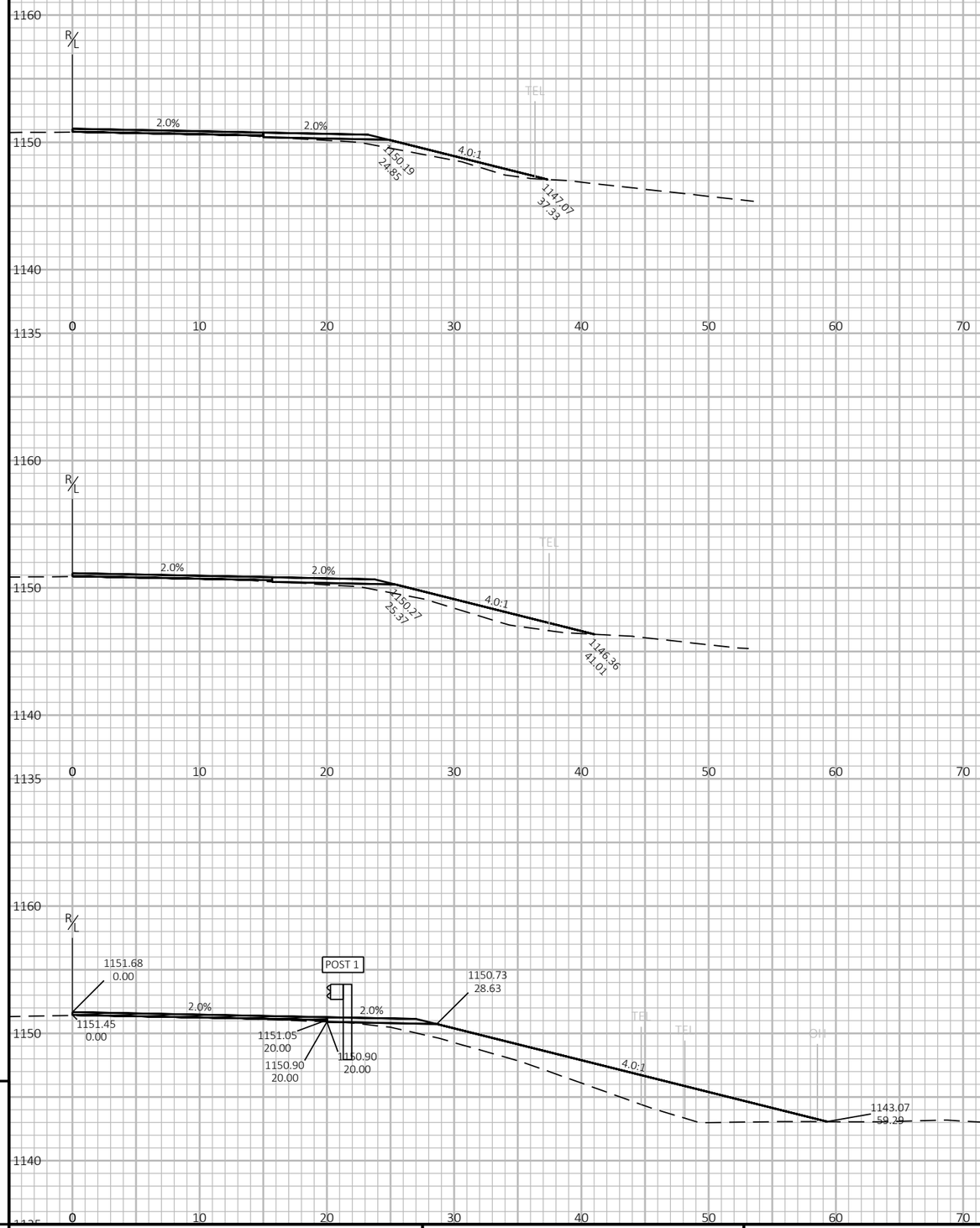
9

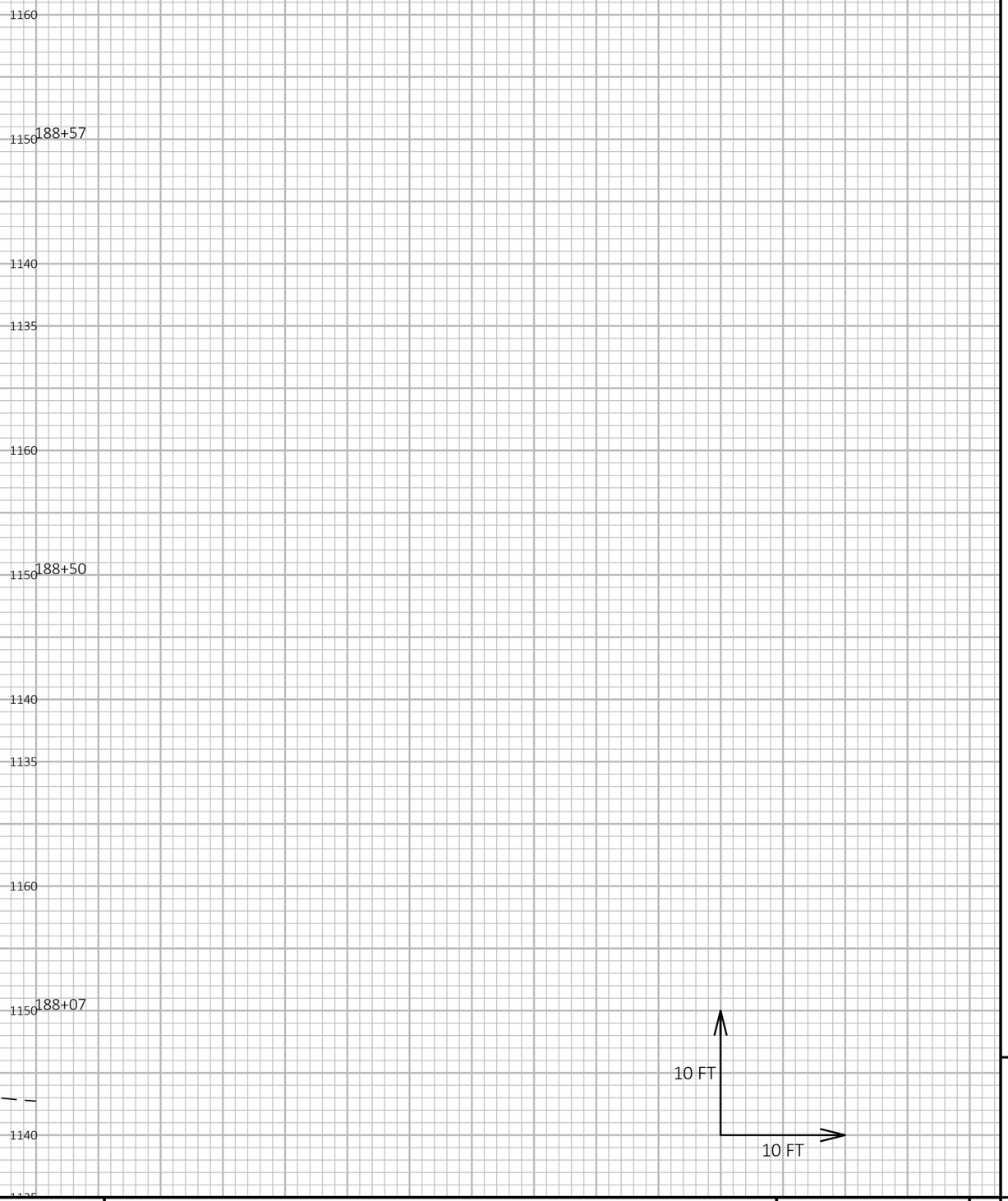
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 310	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 114

PLOT DATE : 10/21/2025 2:04 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 311	E

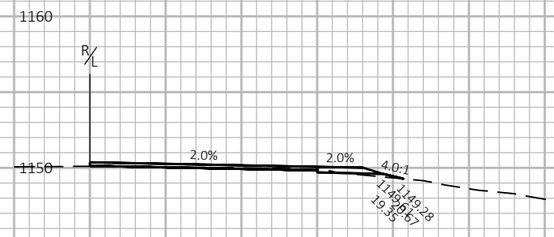
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 115

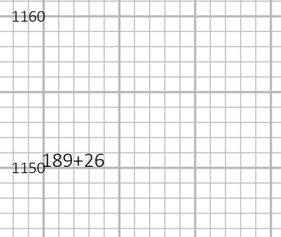
PLOT DATE : 10/21/2025 2:04 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

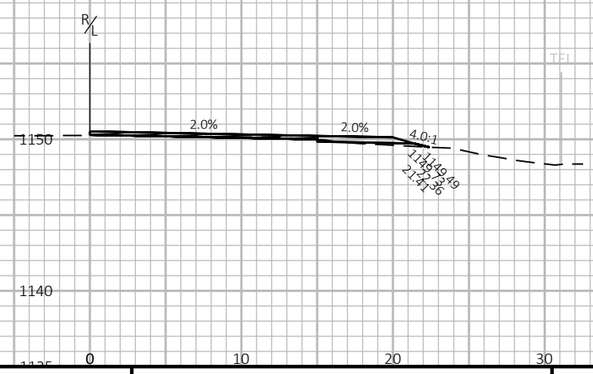
WISDOT/CADDS SHEET 49

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION







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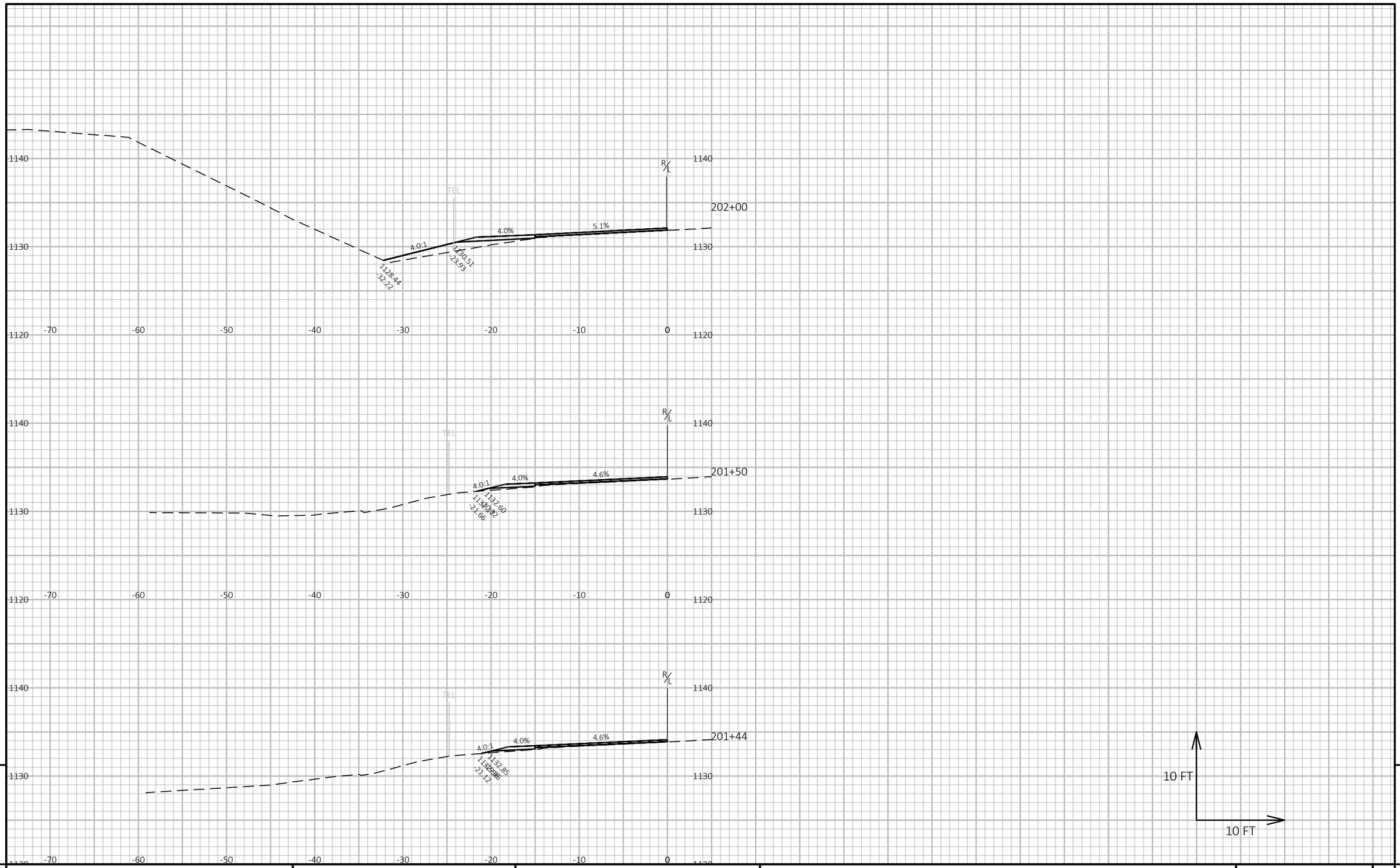
9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-181+25	SHEET 312	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 116

PLOT DATE : 10/21/2025 2:05 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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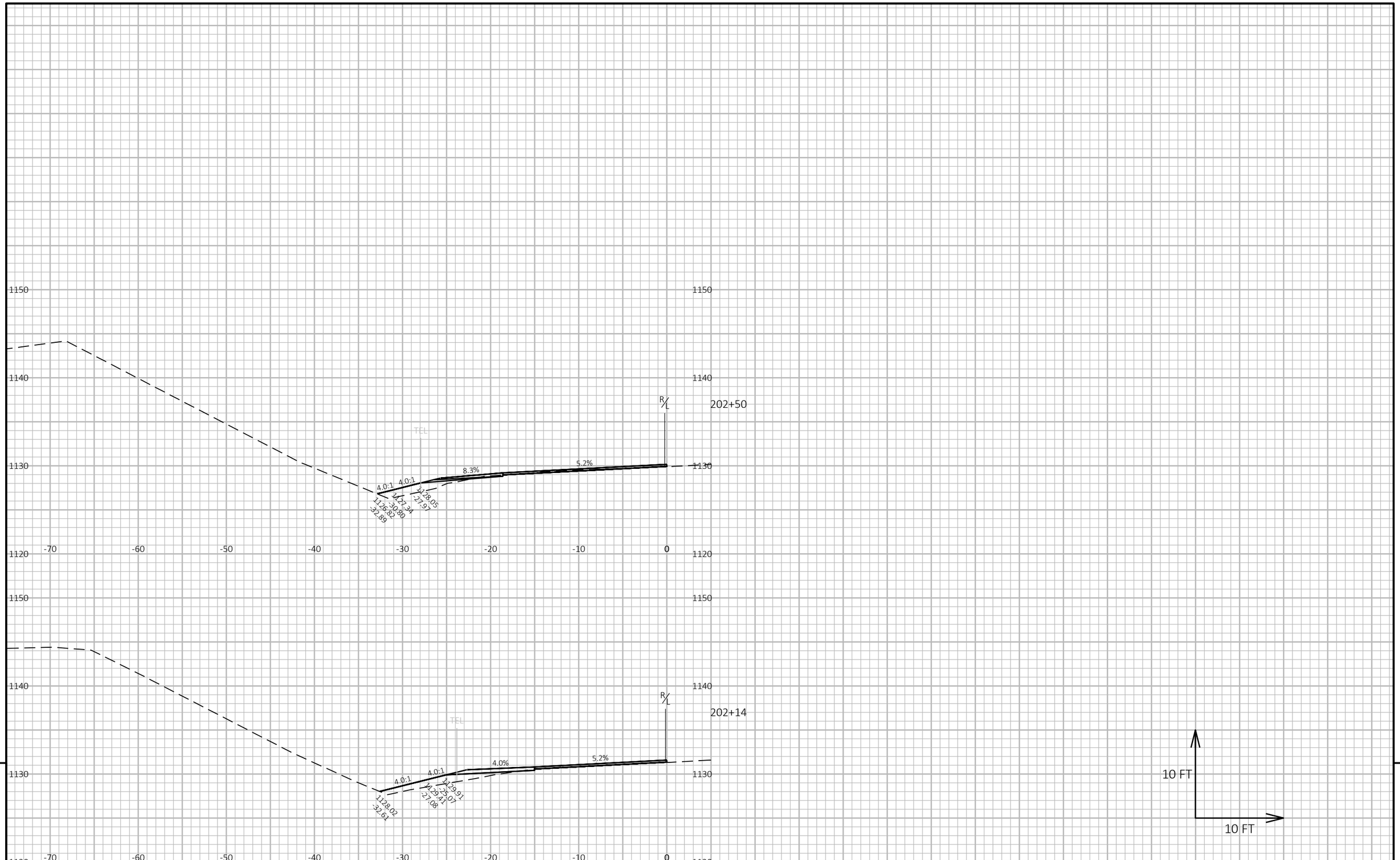
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 313	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 117

PLOT DATE : 10/21/2025 2:05 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

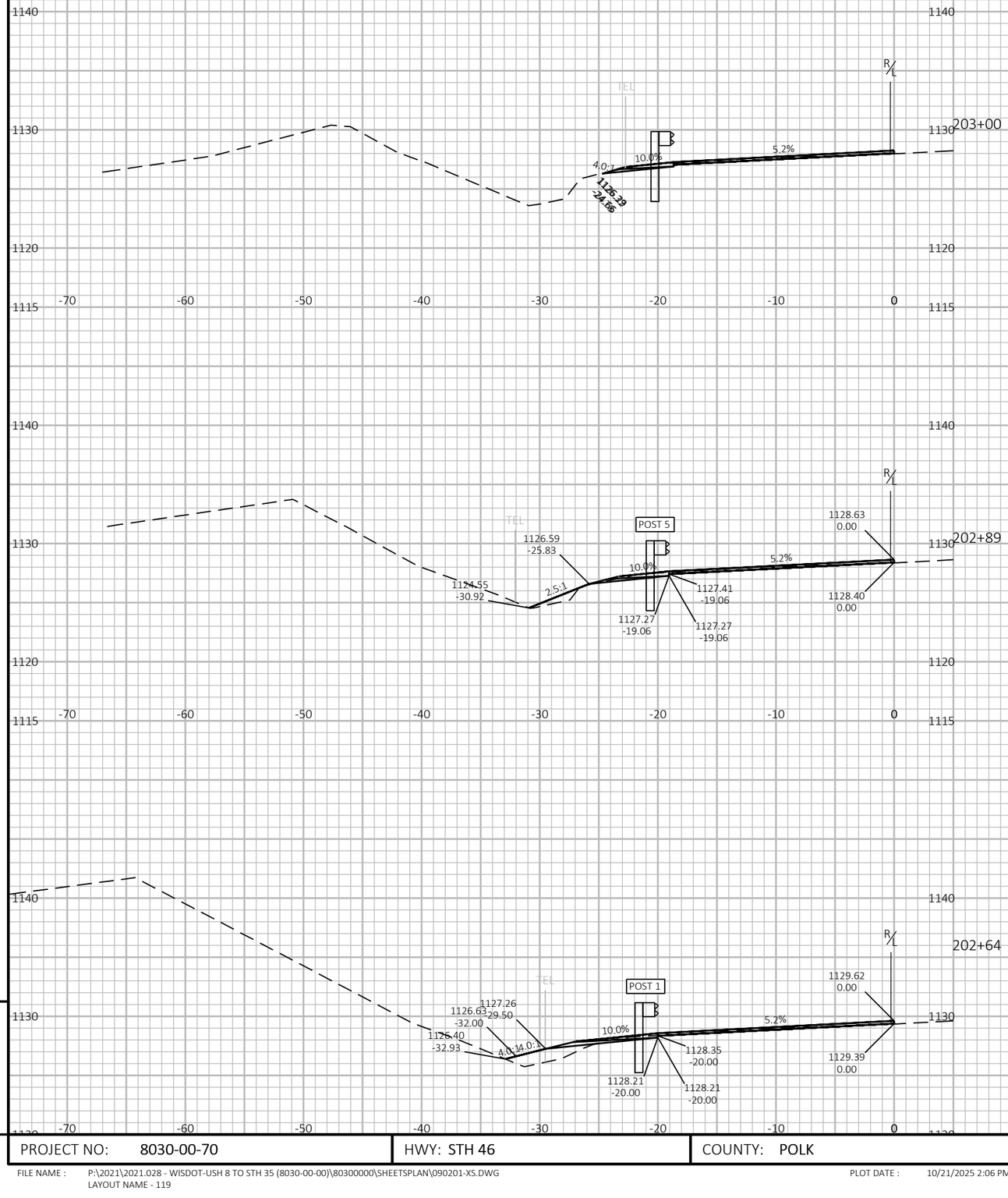


PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 314	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 118

PLOT DATE : 10/21/2025 2:05 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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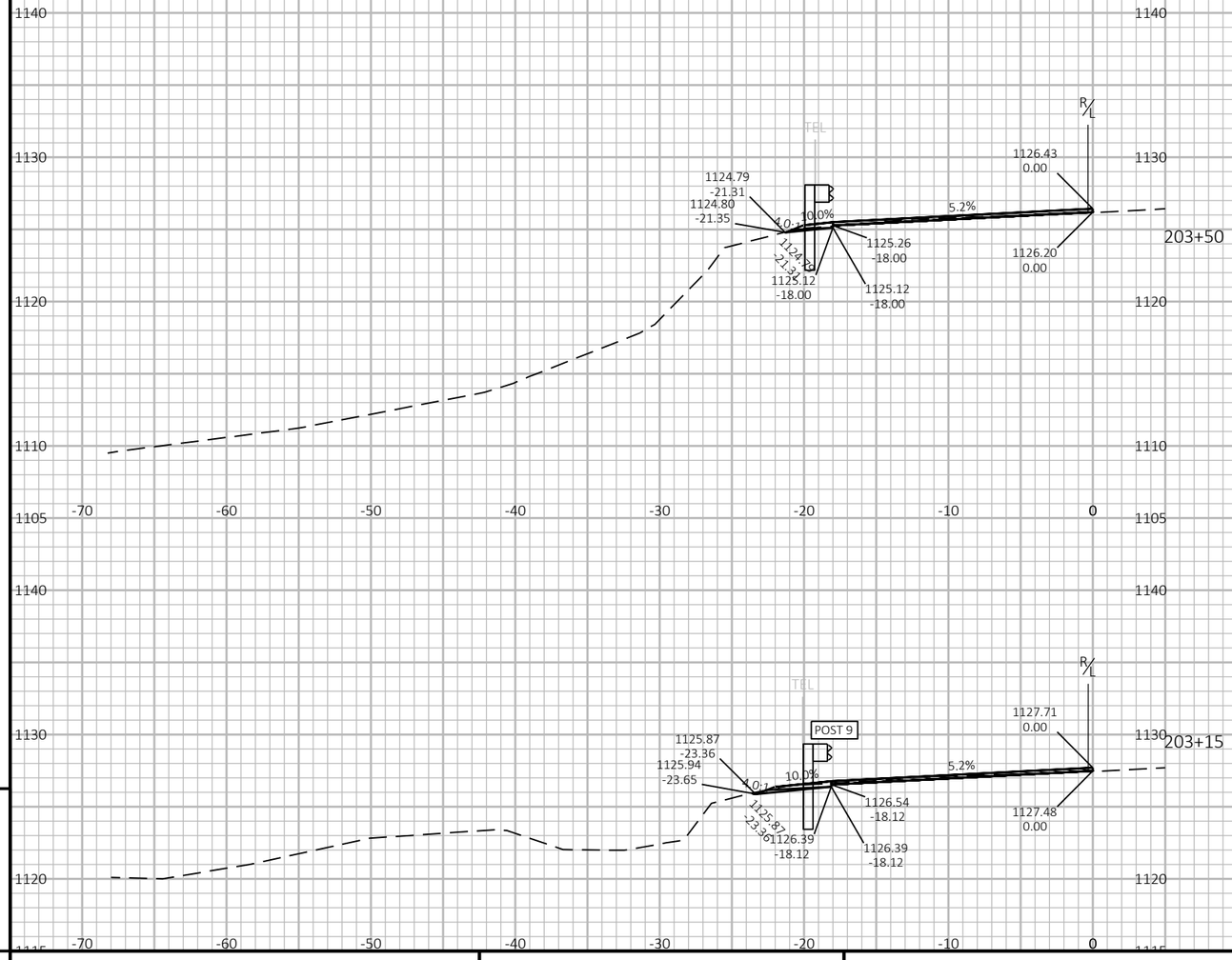
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 315	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 119

PLOT DATE : 10/21/2025 2:06 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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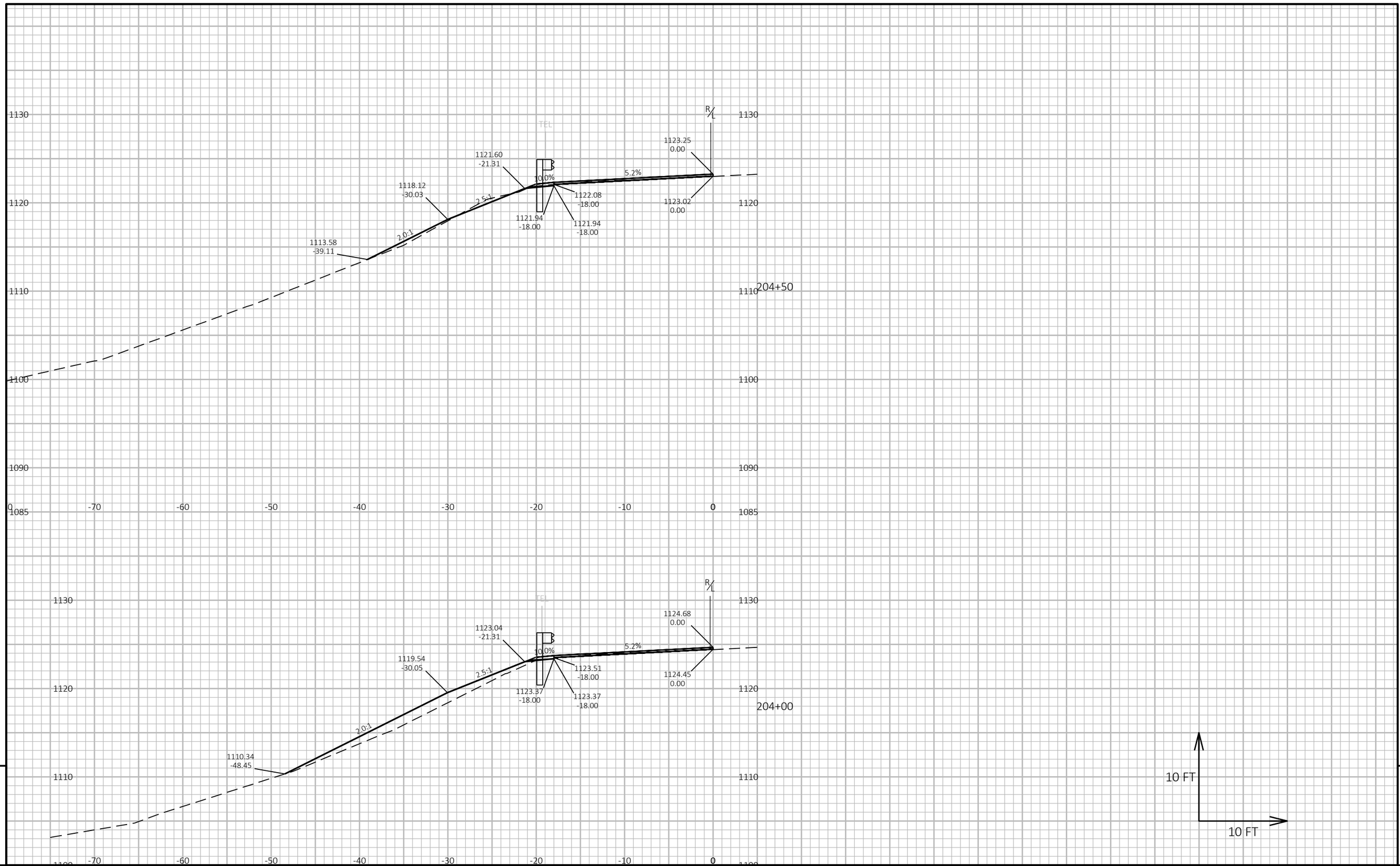
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 316	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 120

PLOT DATE : 10/21/2025 2:06 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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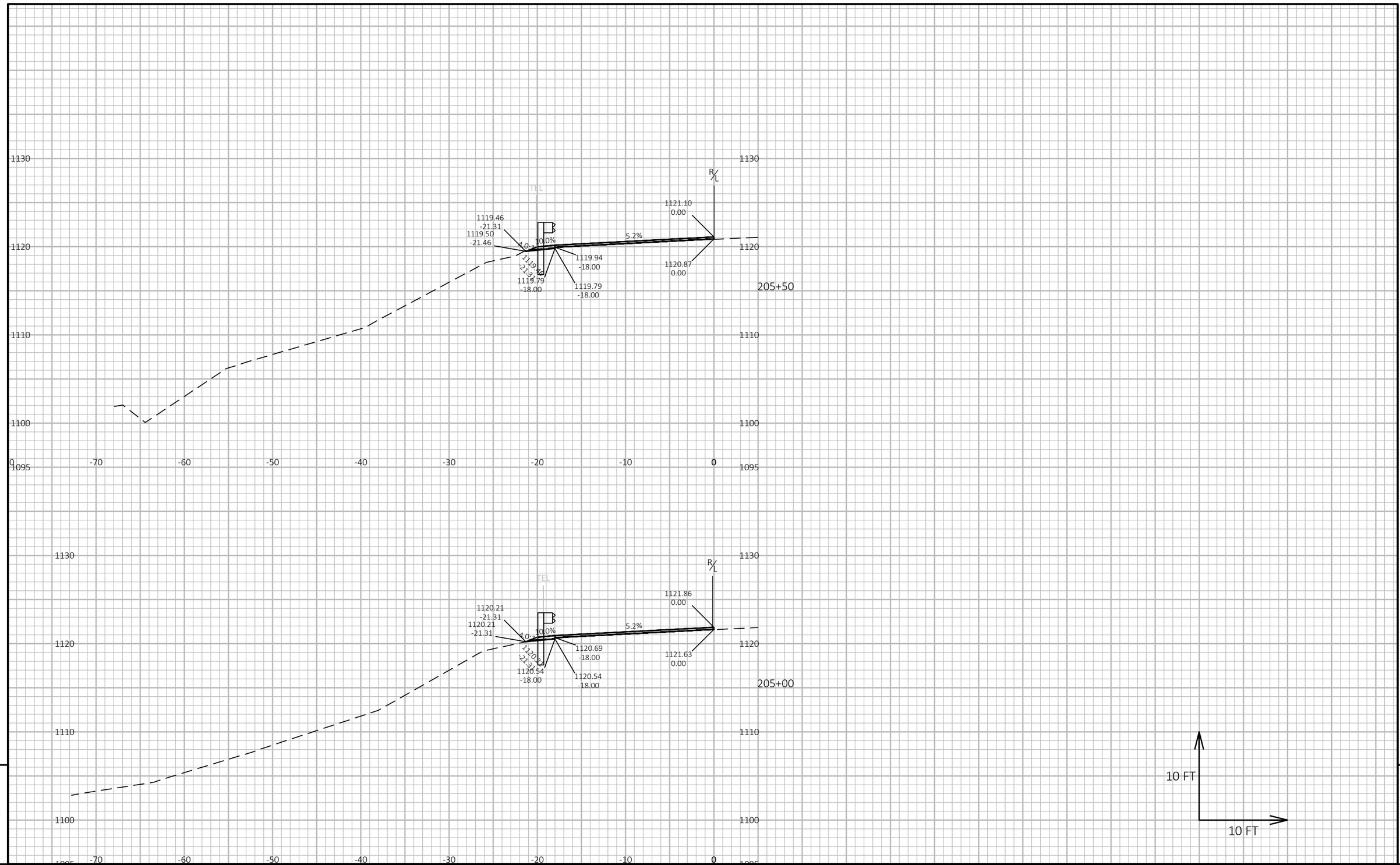
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 317	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 121

PLOT DATE : 10/21/2025 2:06 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 318	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 122

PLOT DATE : 10/21/2025 2:07 PM

PLOT BY : JUSTIN N. HAASE

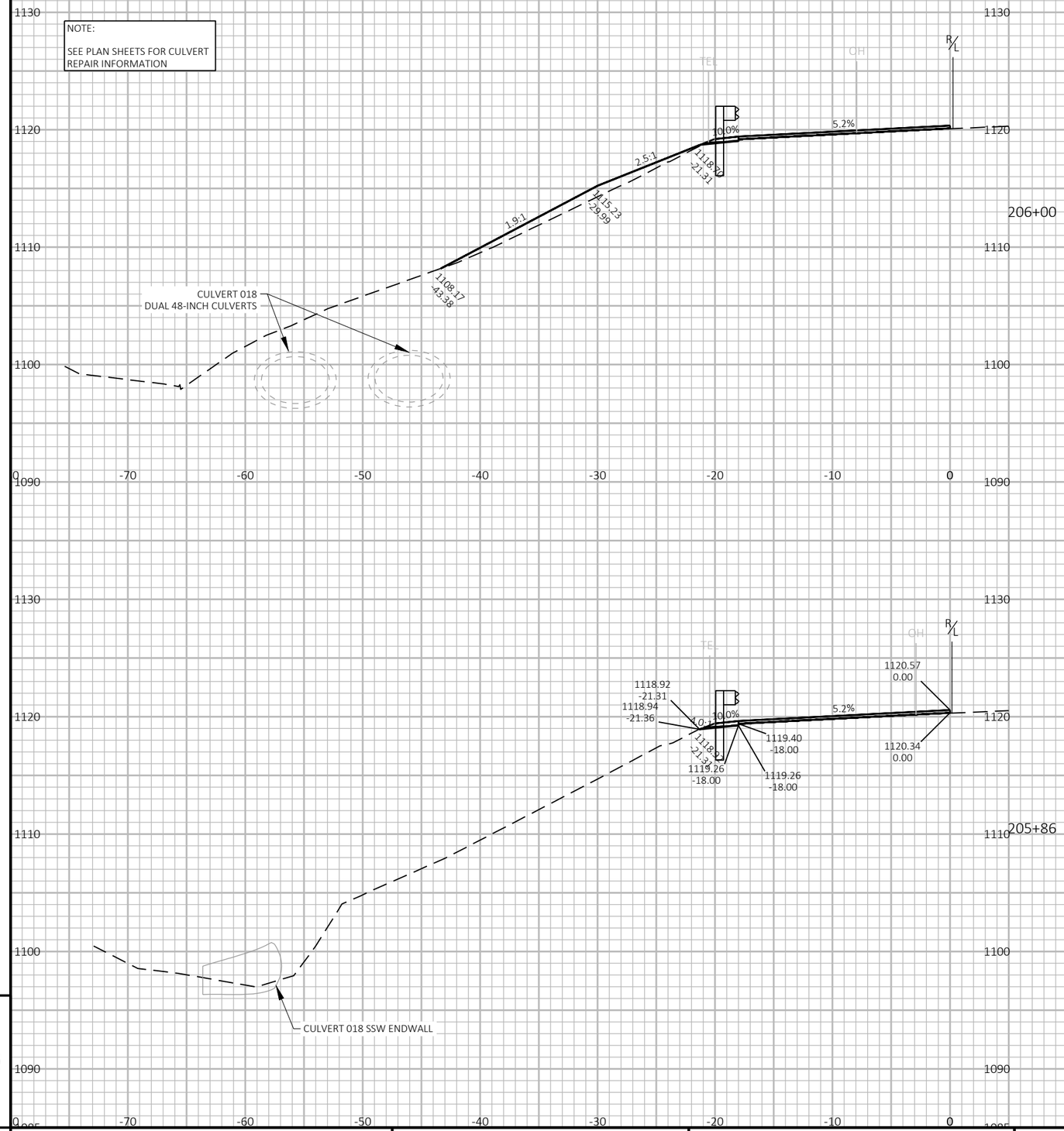
PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION



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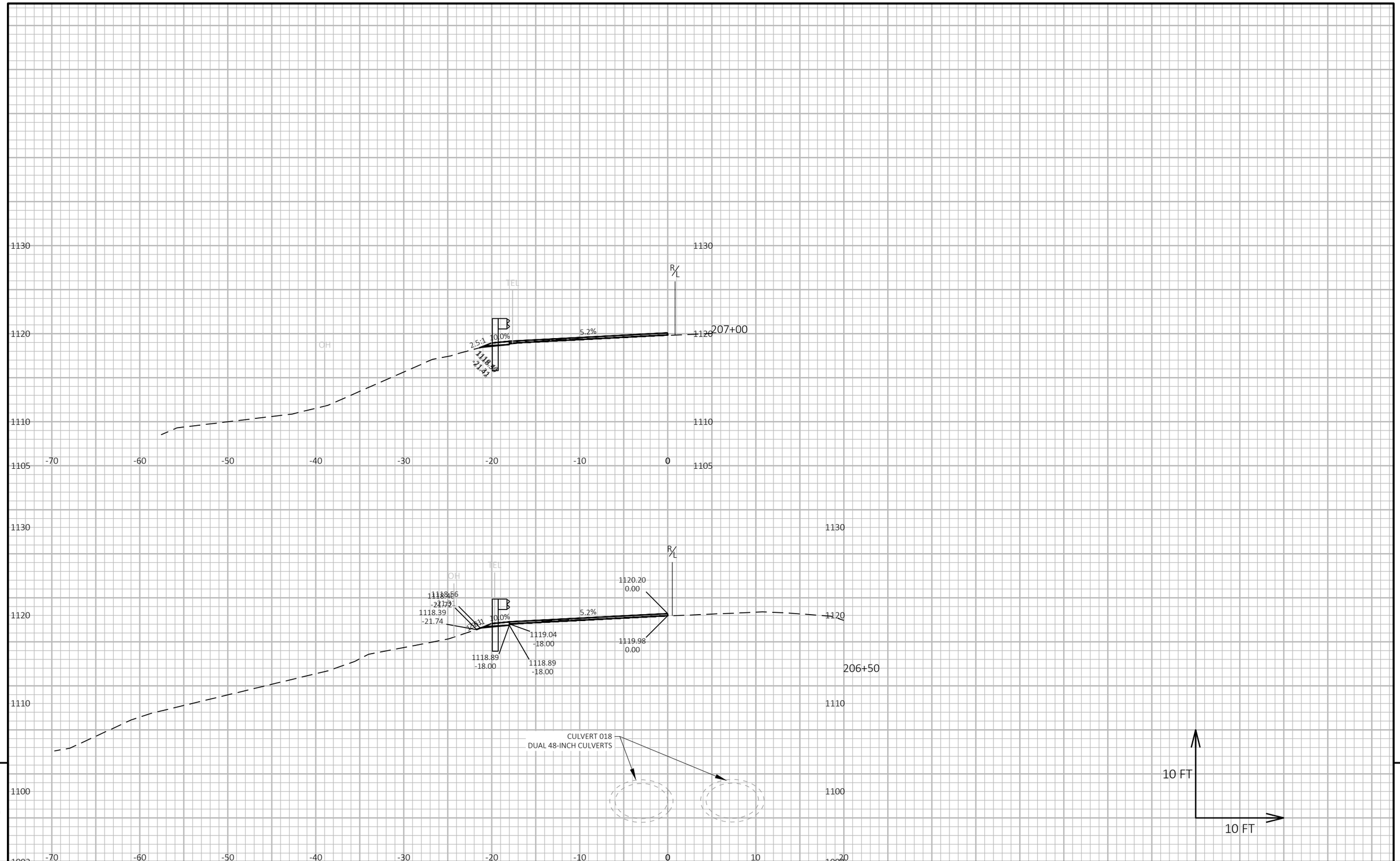
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 319	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 123

PLOT DATE : 10/21/2025 2:07 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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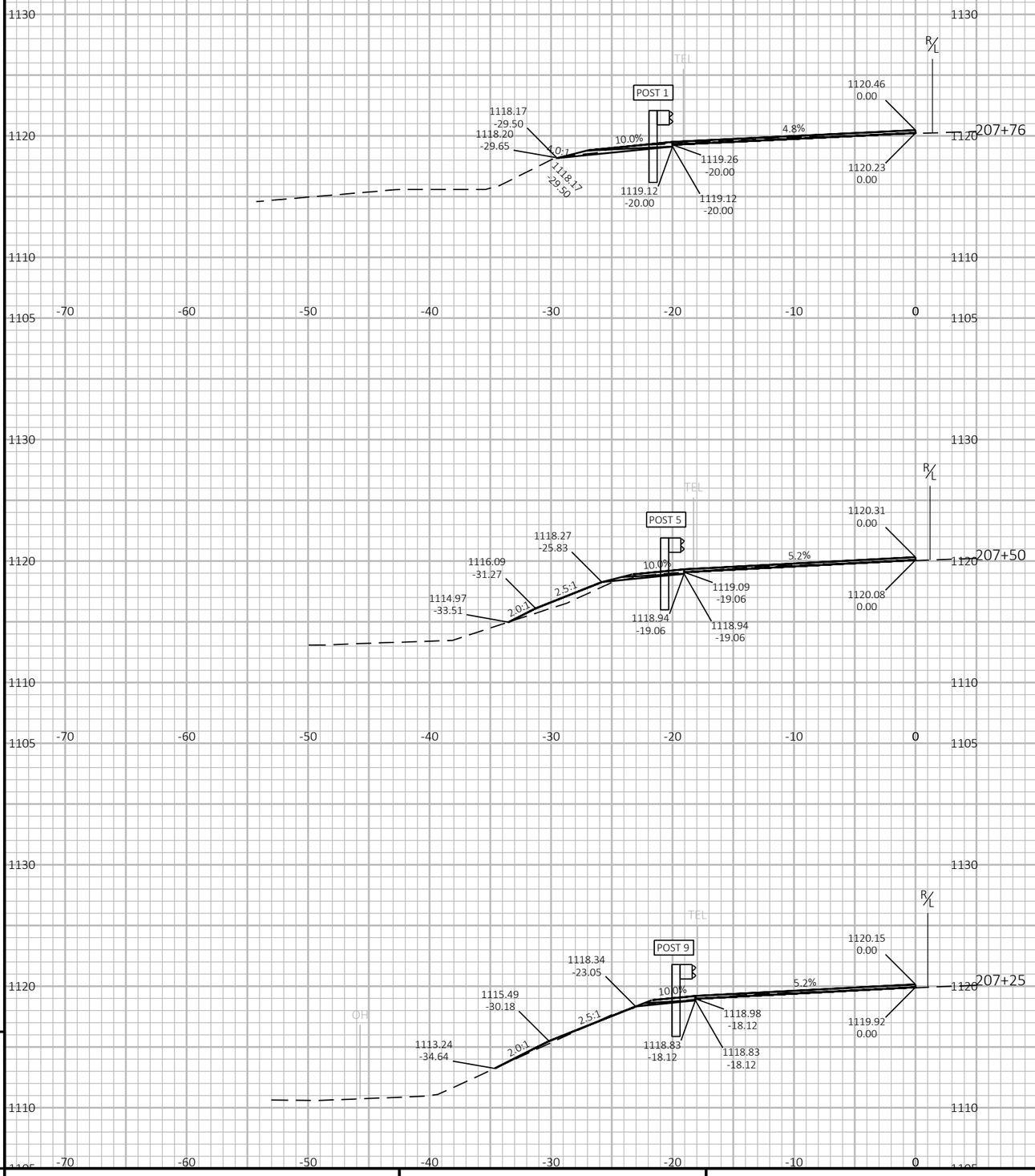
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 320	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 124

PLOT DATE : 10/21/2025 2:07 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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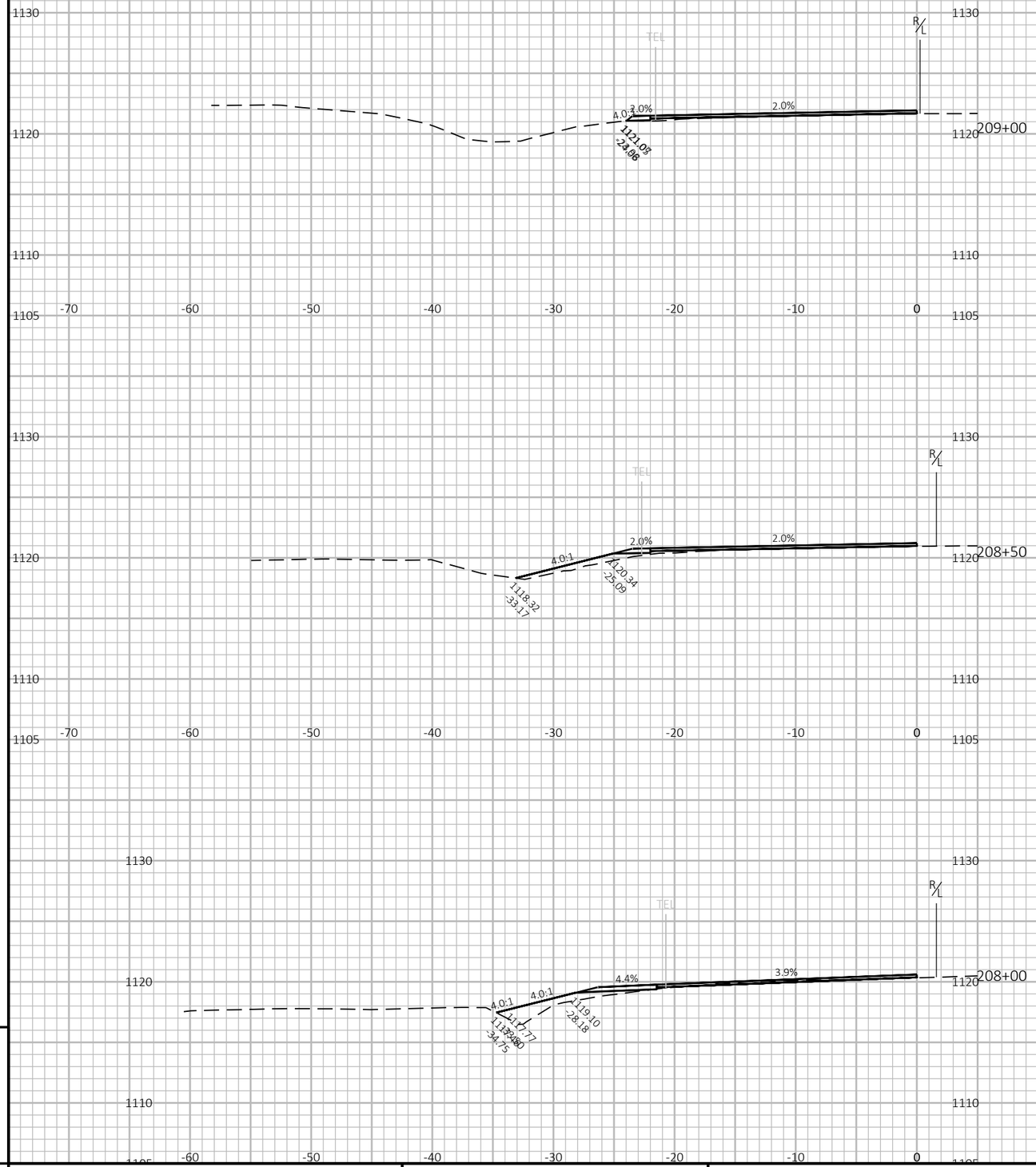
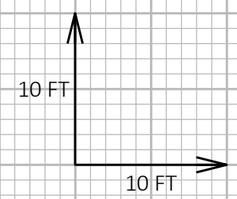
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 321	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 125

PLOT DATE : 10/21/2025 2:08 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-200+75	SHEET 322	E

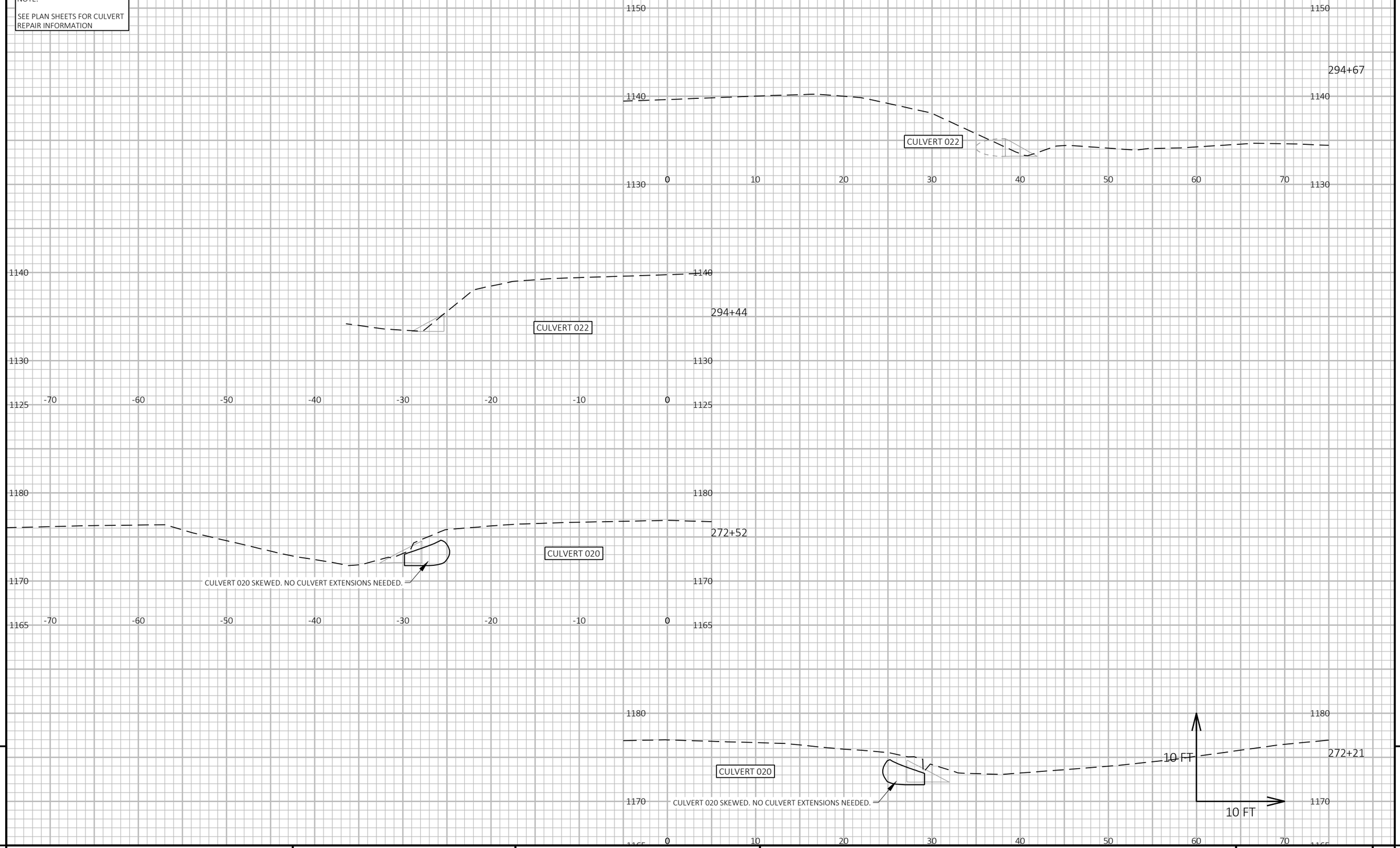
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 126

PLOT DATE : 10/21/2025 2:08 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION



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9

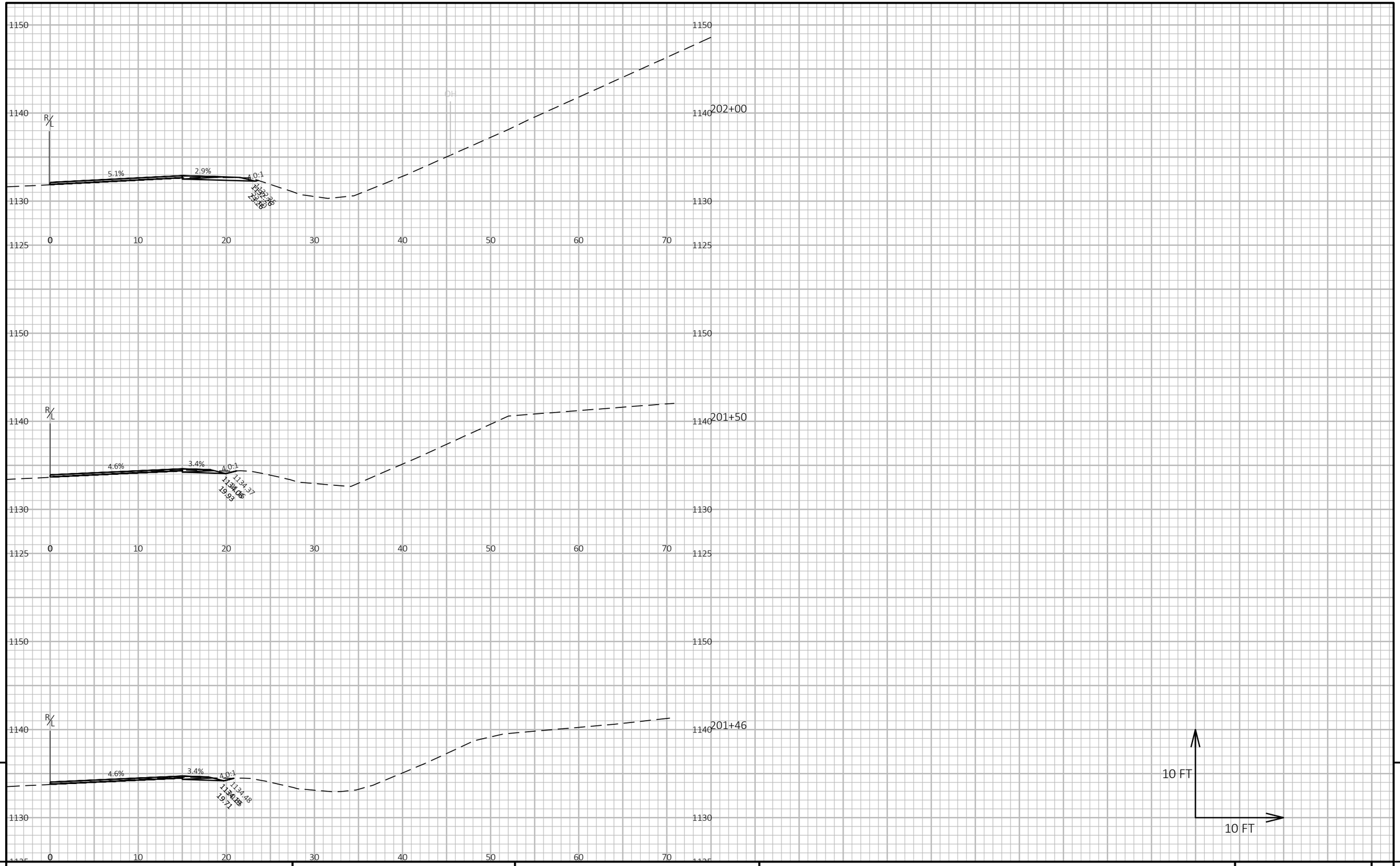
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 020-022	SHEET 323	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 127

PLOT DATE : 10/21/2025 2:08 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

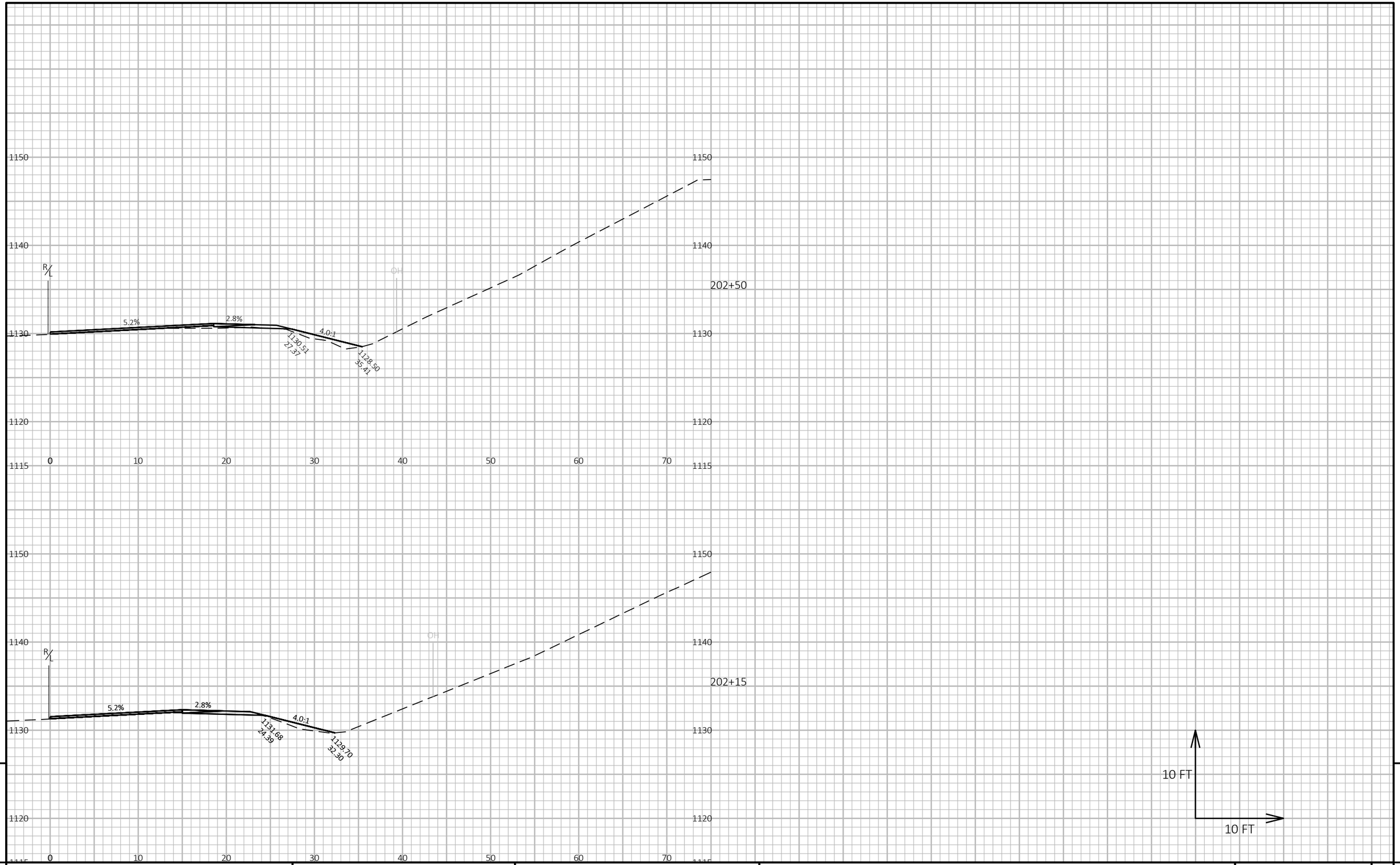
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 324	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 128

PLOT DATE : 10/21/2025 2:09 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

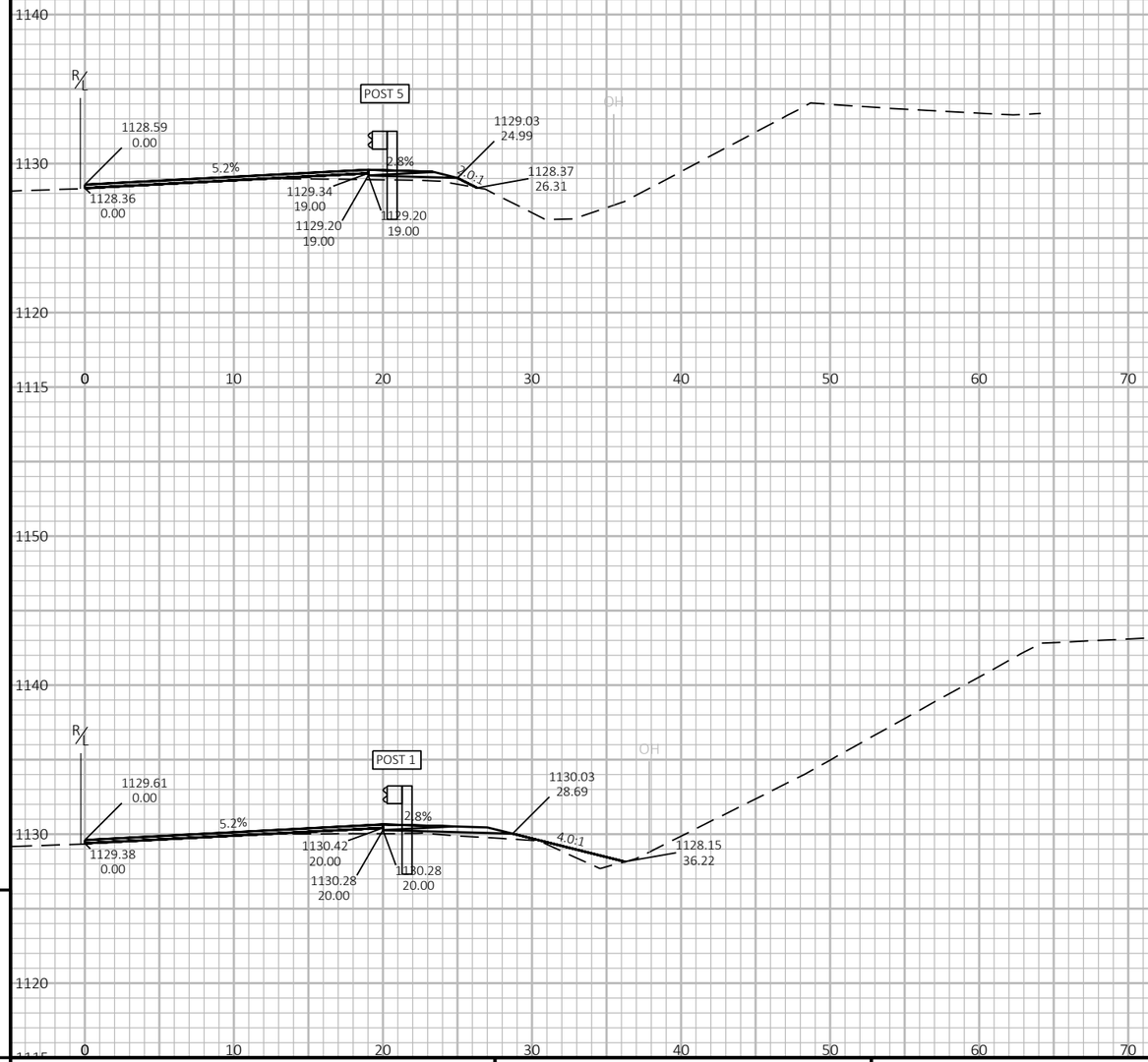
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 325	E

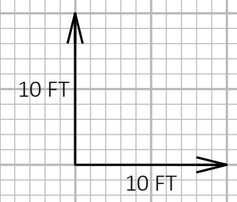
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 129

PLOT DATE : 10/21/2025 2:09 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

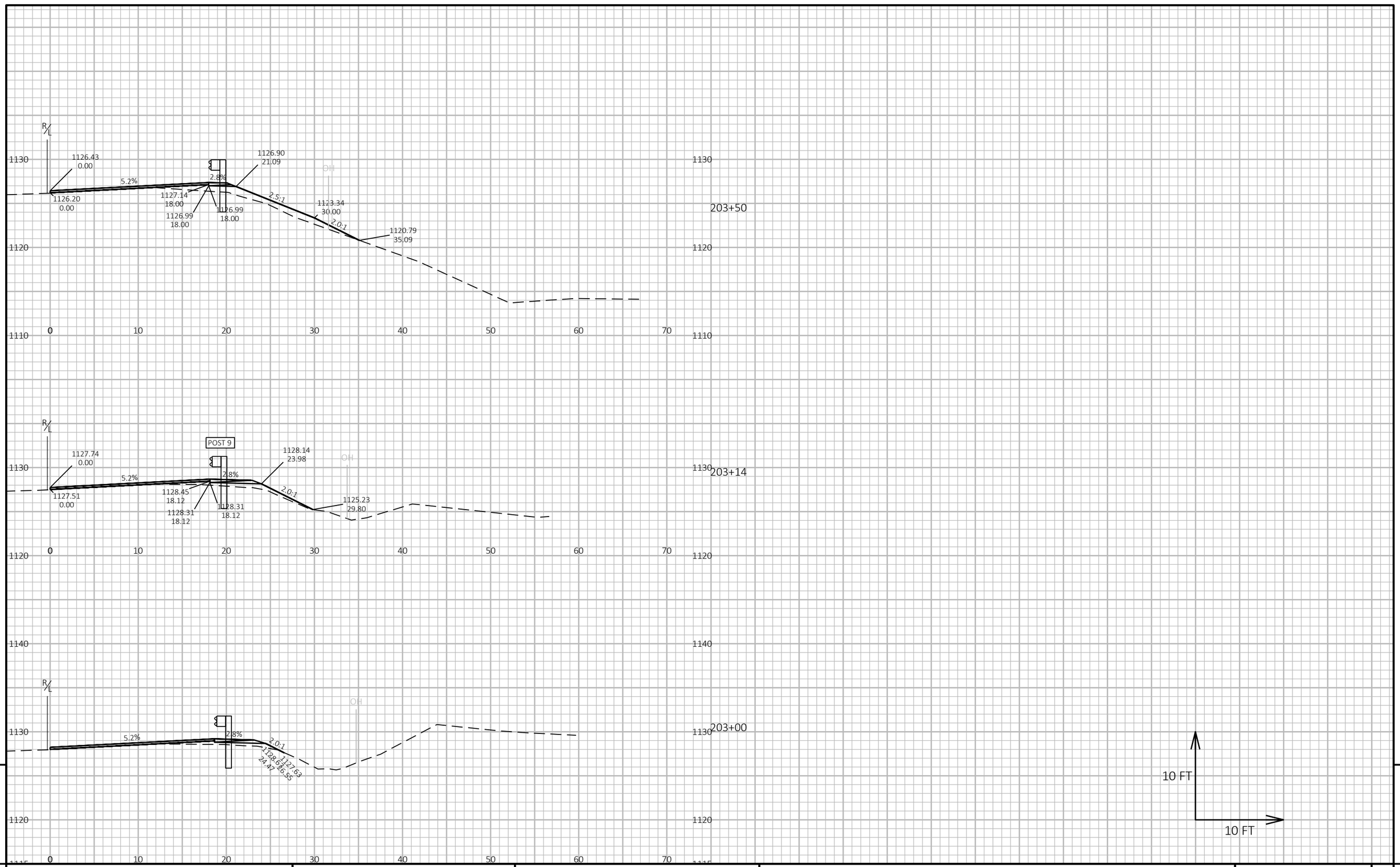
9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 326	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 130

PLOT DATE : 10/21/2025 2:09 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



9

9

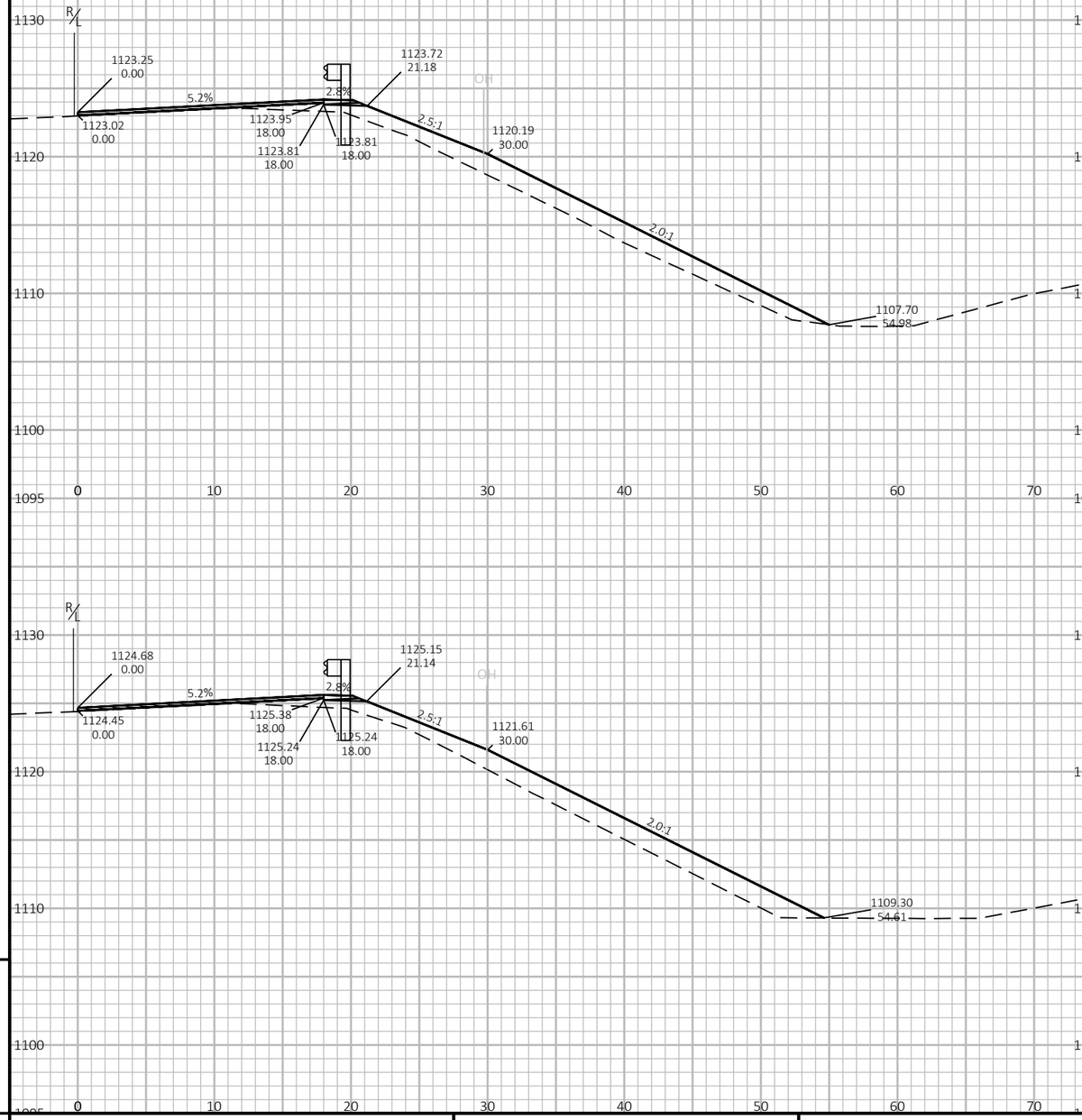
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 327	E

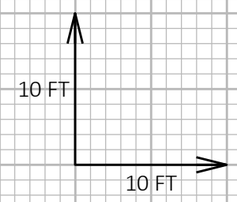
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 131

PLOT DATE : 10/21/2025 2:10 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

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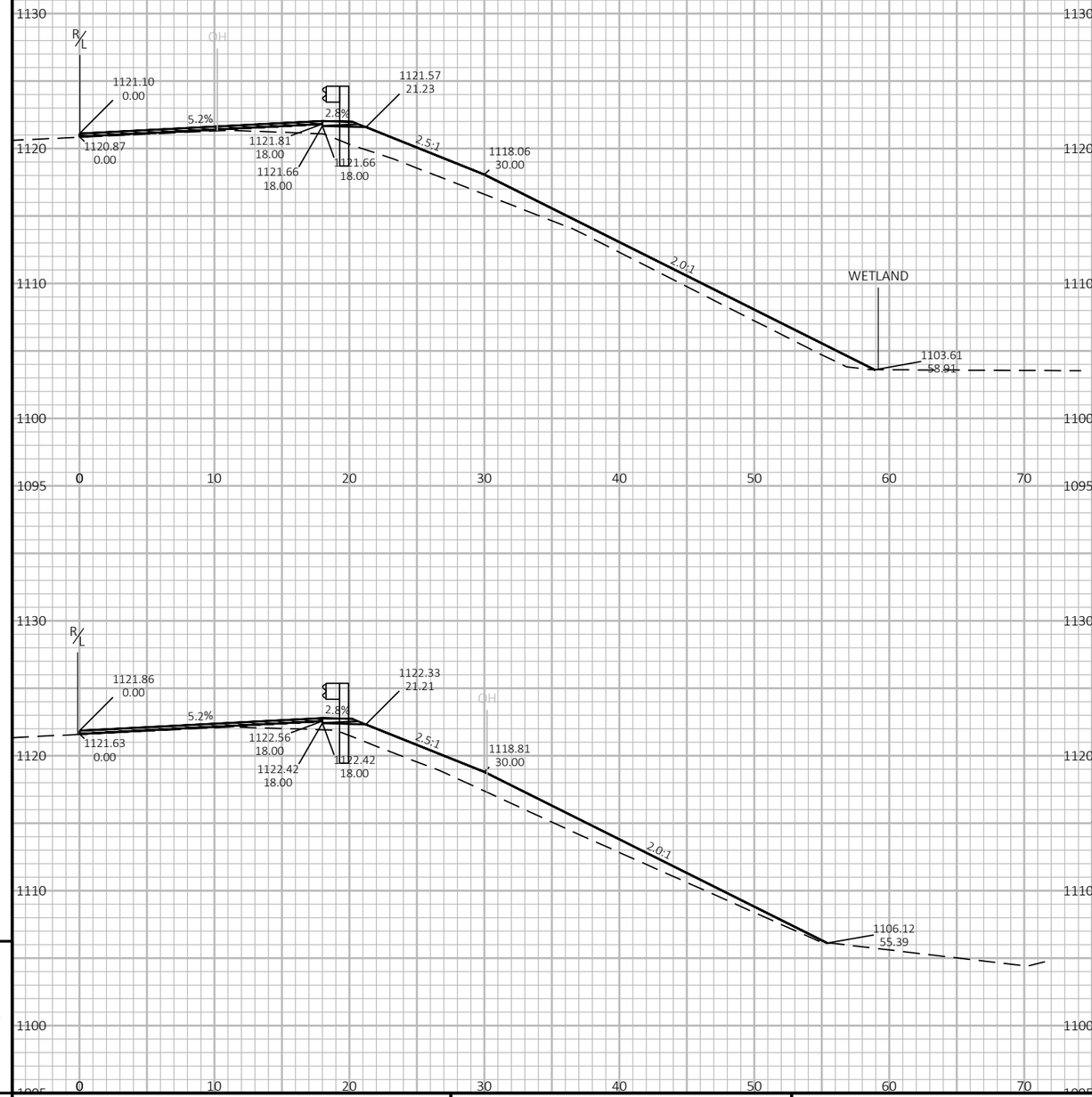
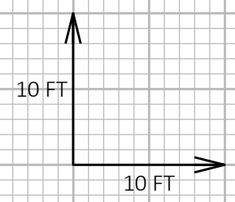
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 328	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 132

PLOT DATE : 10/21/2025 2:10 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49





9

9

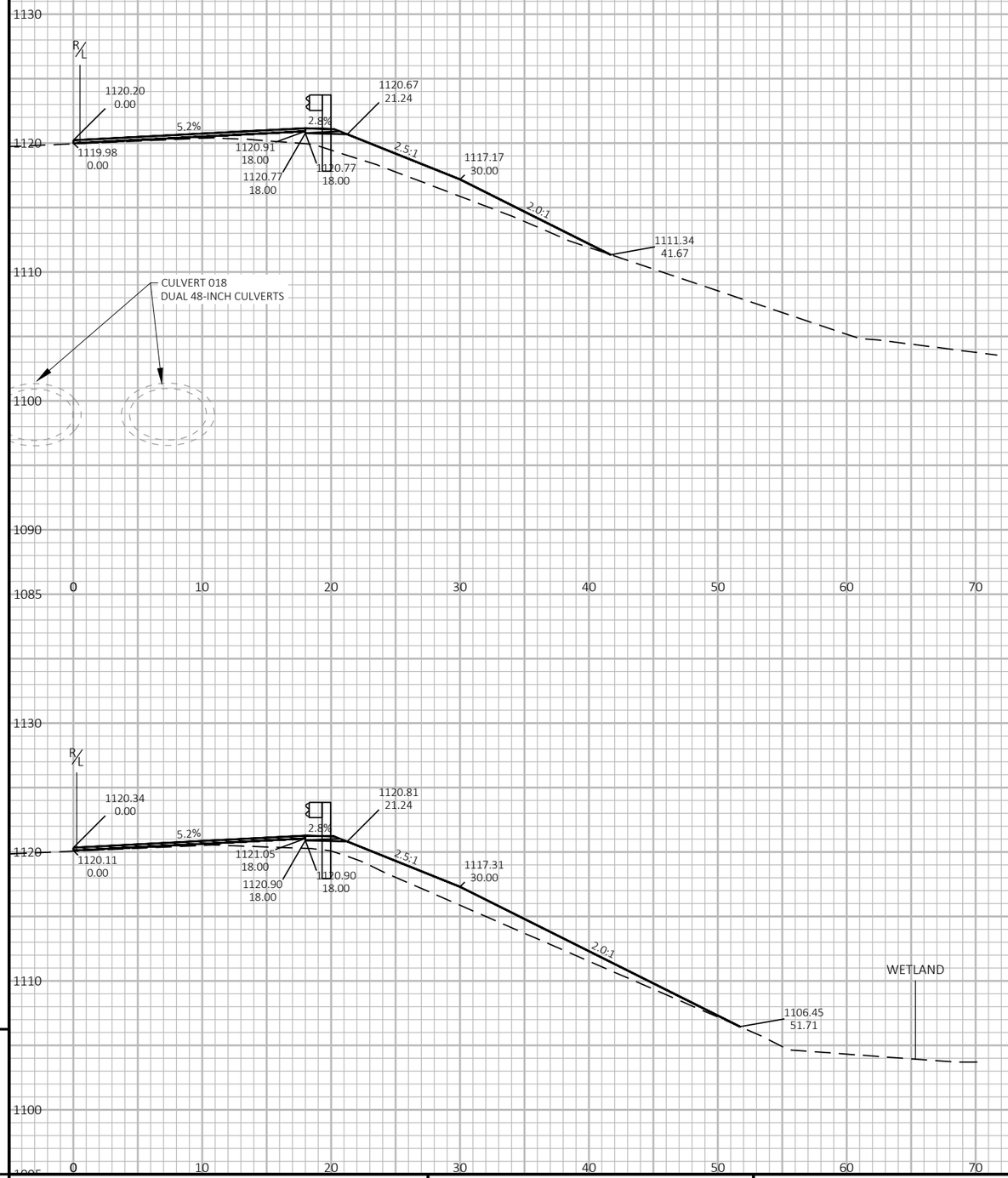
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 329	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 133

PLOT DATE : 10/21/2025 2:10 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTE:

SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION



9

9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 330	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 134

PLOT DATE : 10/21/2025 2:11 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

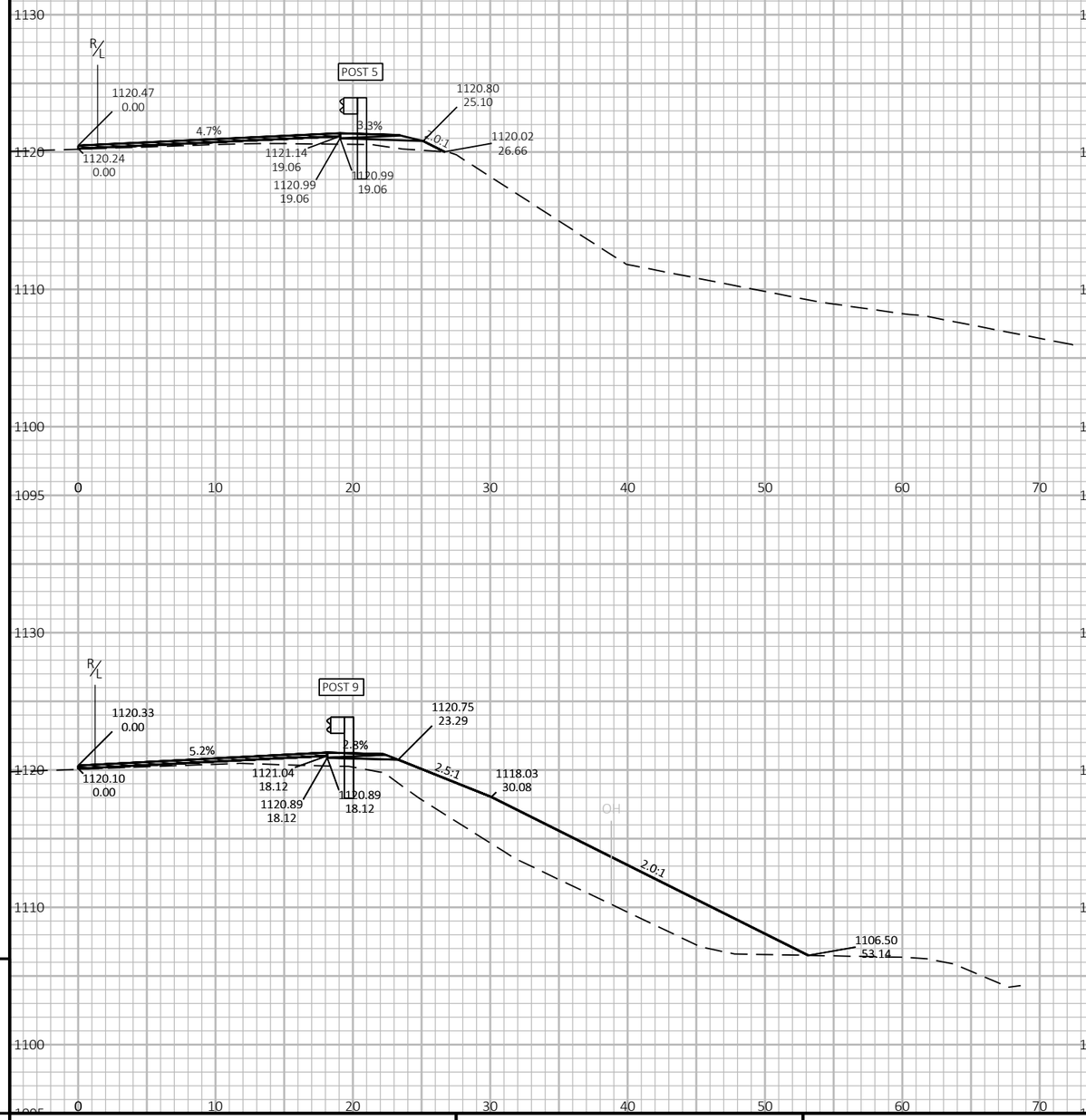
9

9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 331	E

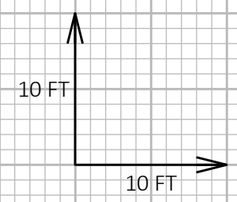
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 135

PLOT DATE : 10/21/2025 2:11 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



207+78

207+53



9

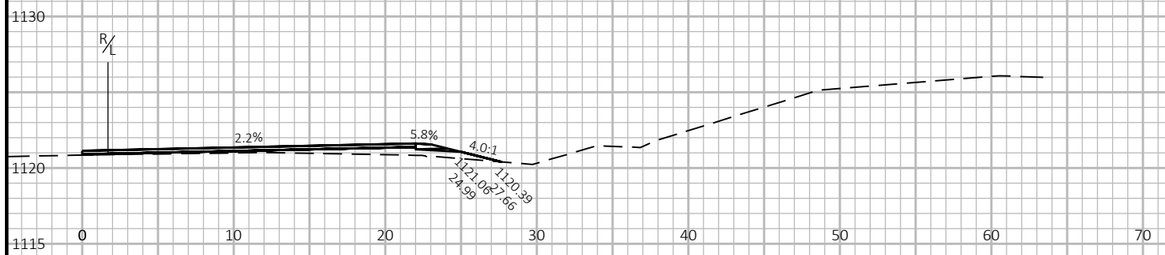
9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 332	E

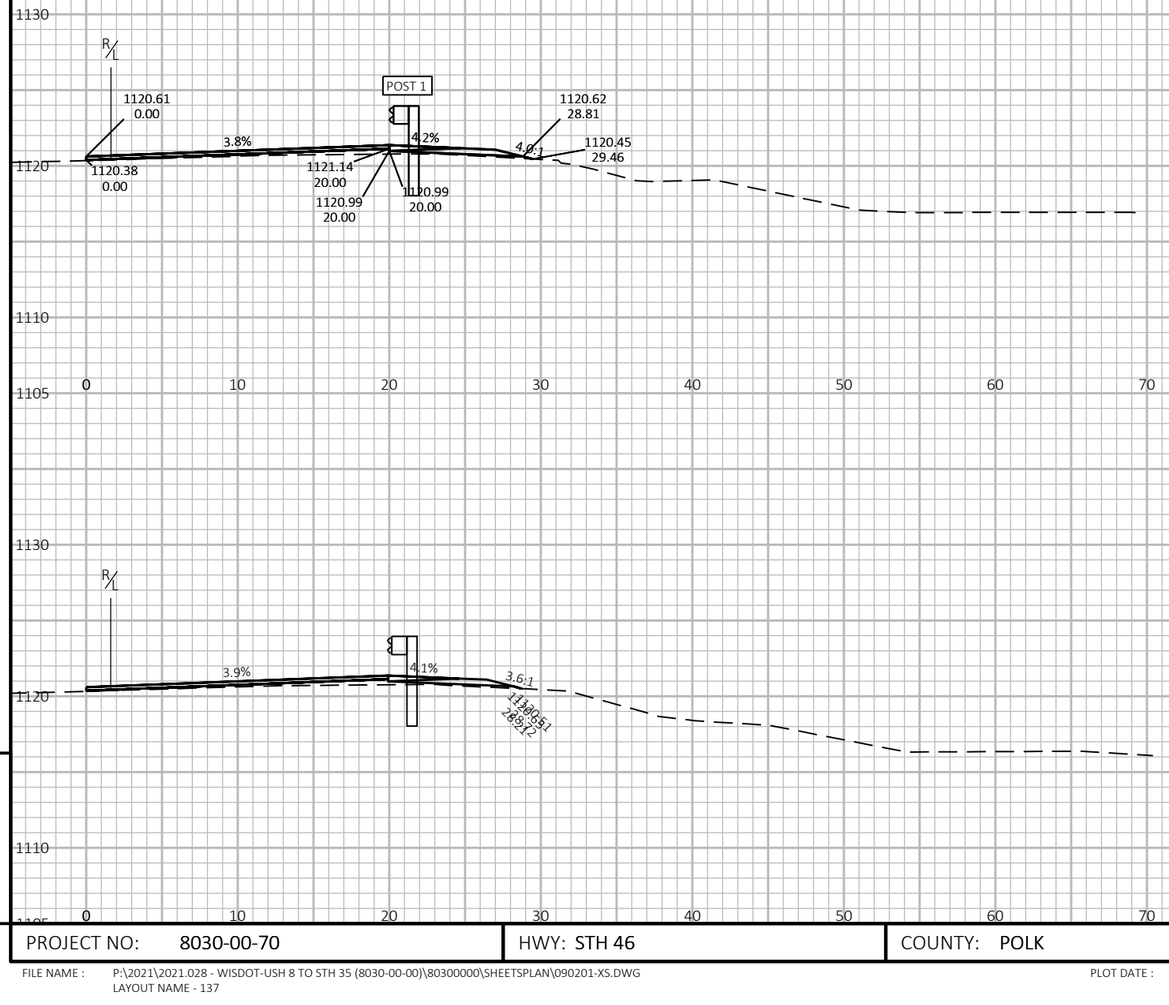
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 136

PLOT DATE : 10/21/2025 2:11 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

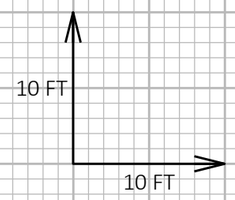


208+42



208+02

208+00



9

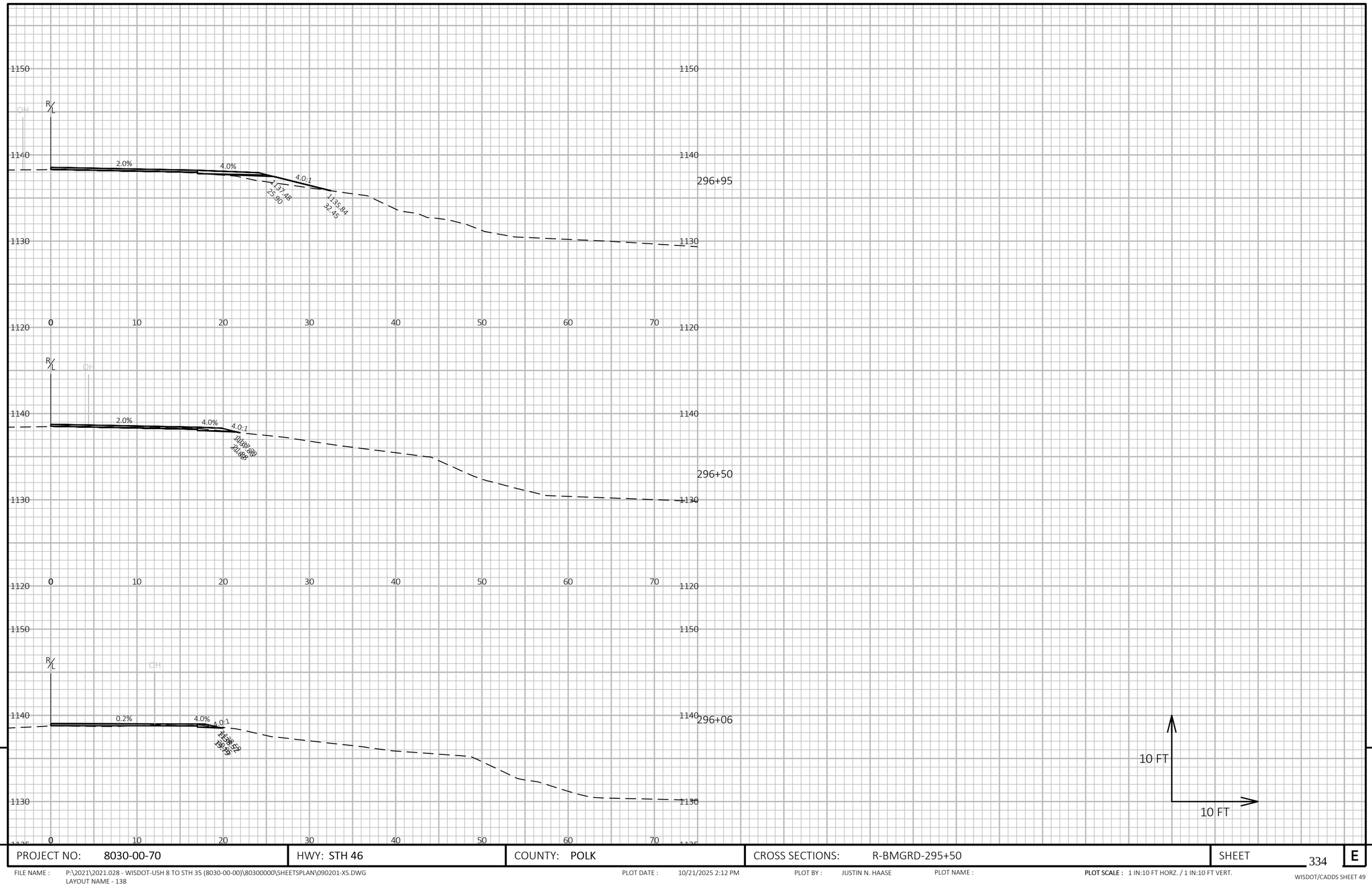
9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-200+75	SHEET 333	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 137

PLOT DATE : 10/21/2025 2:12 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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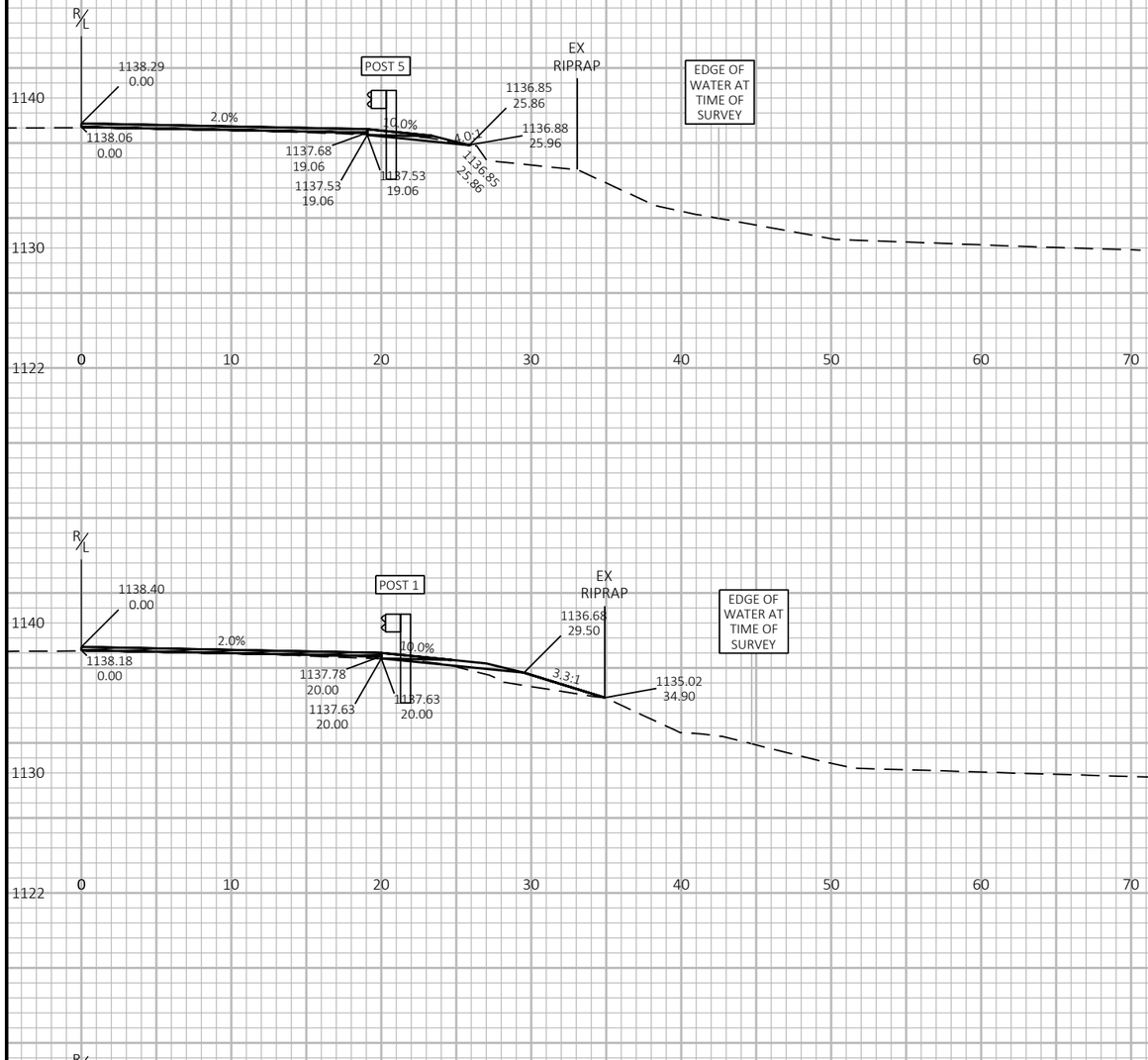
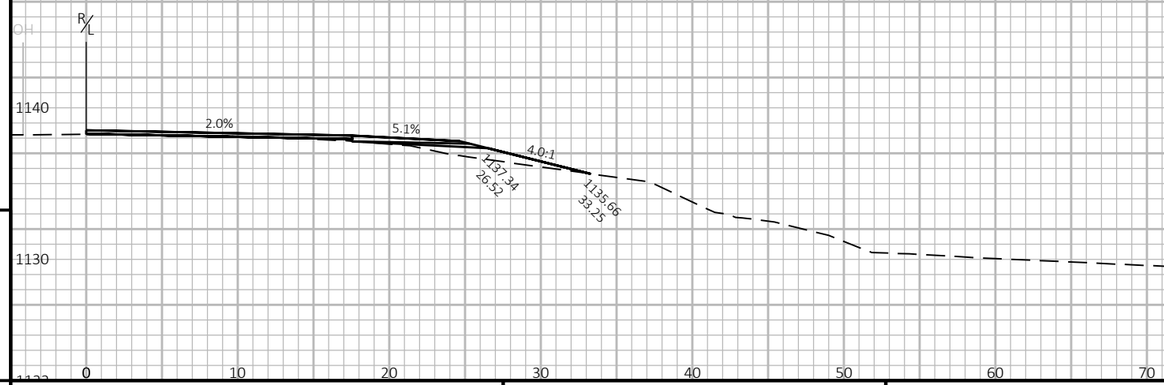
9

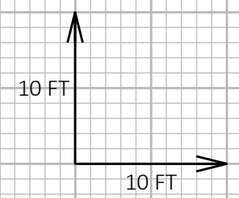
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 334	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 138

PLOT DATE : 10/21/2025 2:12 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.







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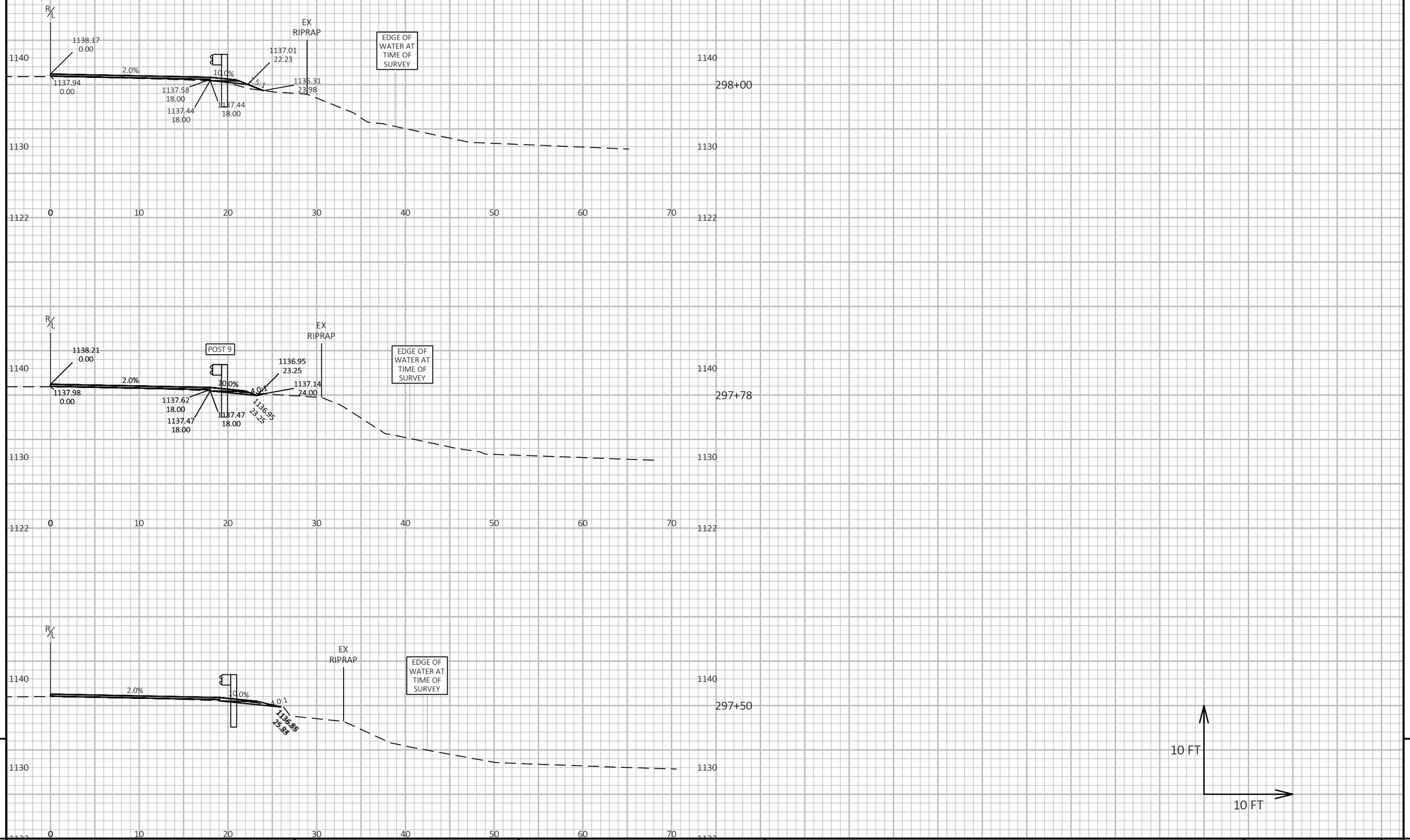
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 335	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 139

PLOT DATE : 10/21/2025 2:12 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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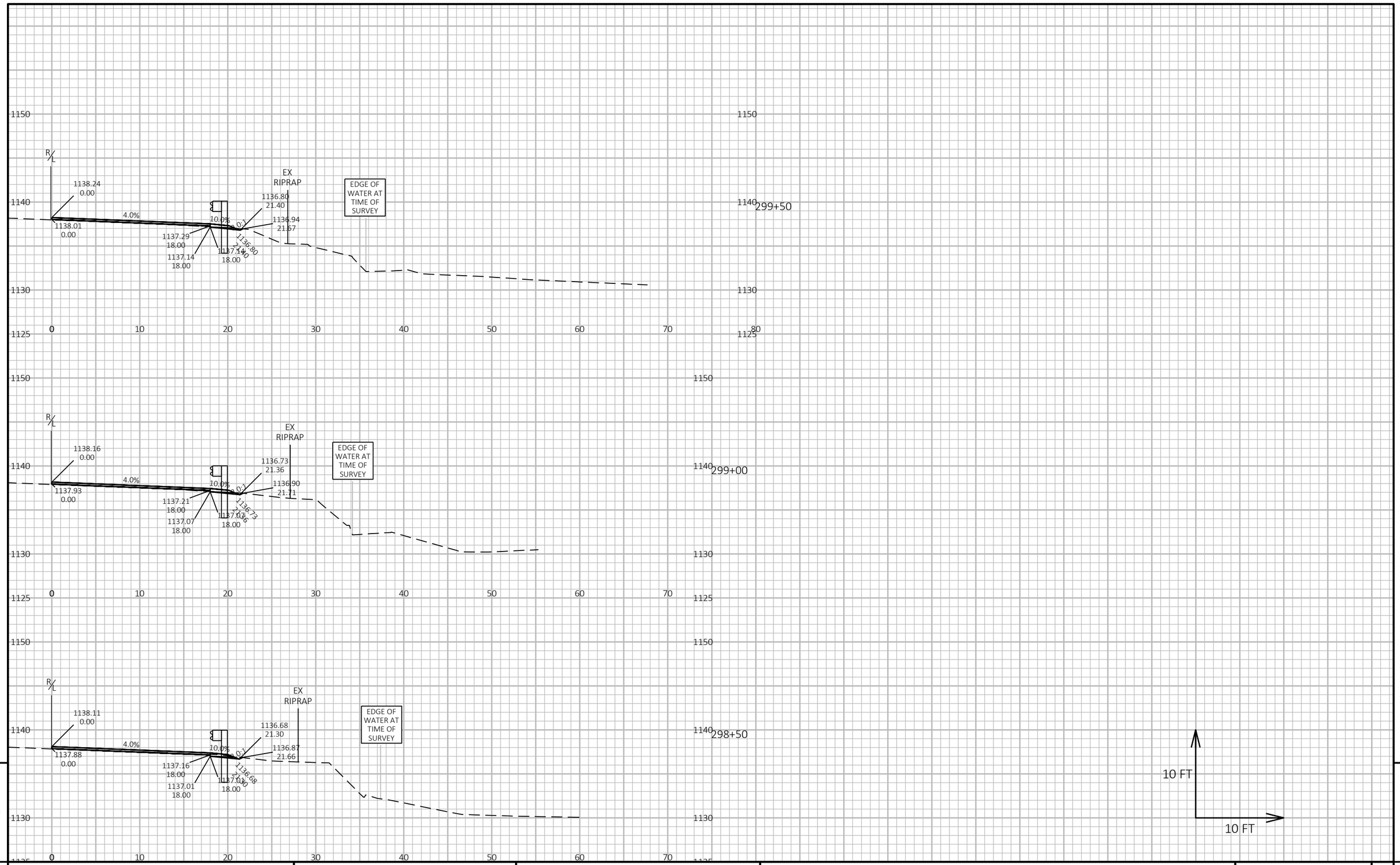
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 336	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 140

PLOT DATE : 10/21/2025 2:13 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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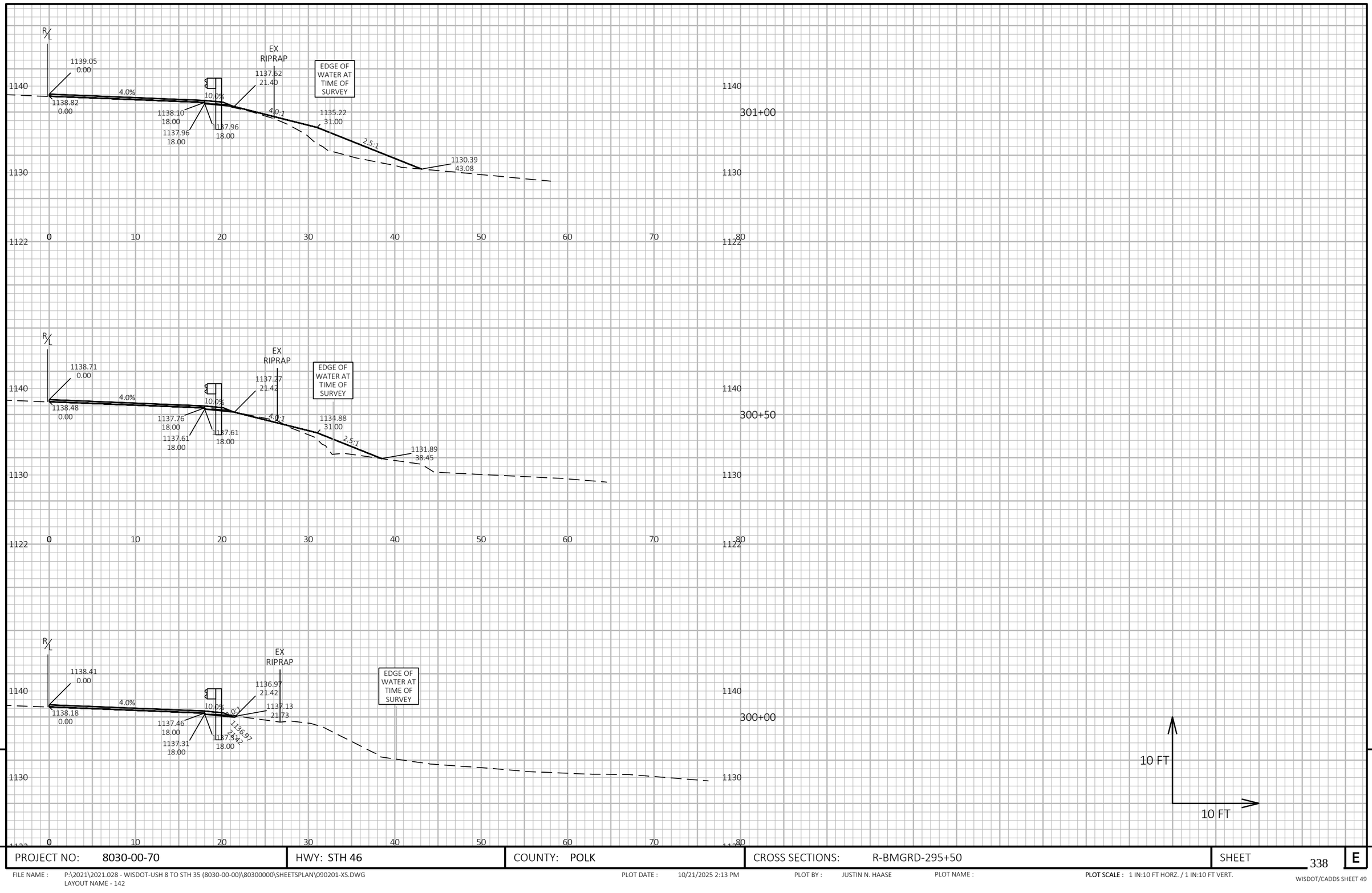
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 337	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 141

PLOT DATE : 10/21/2025 2:13 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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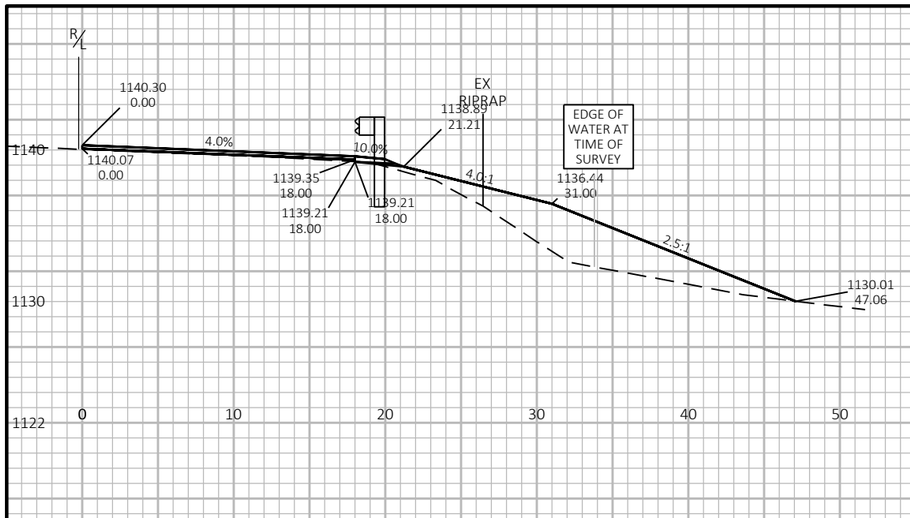
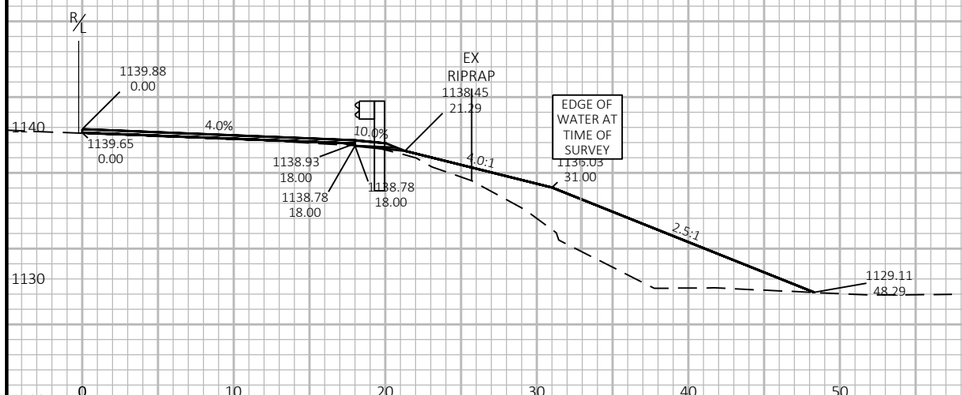
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 338	E

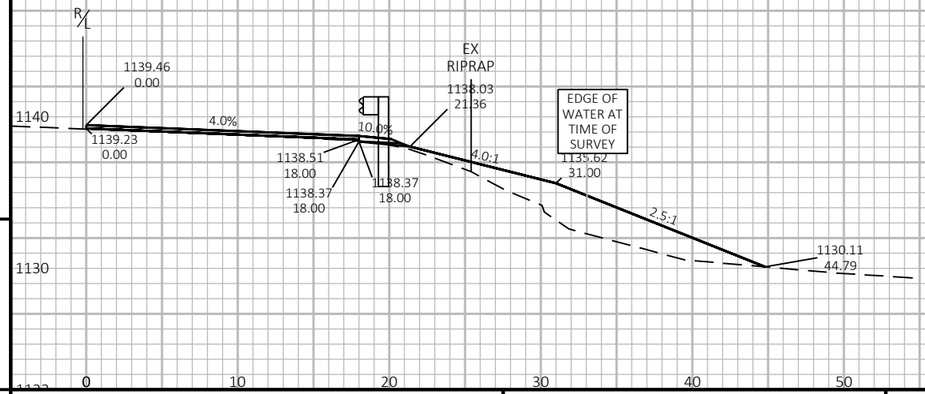
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 142

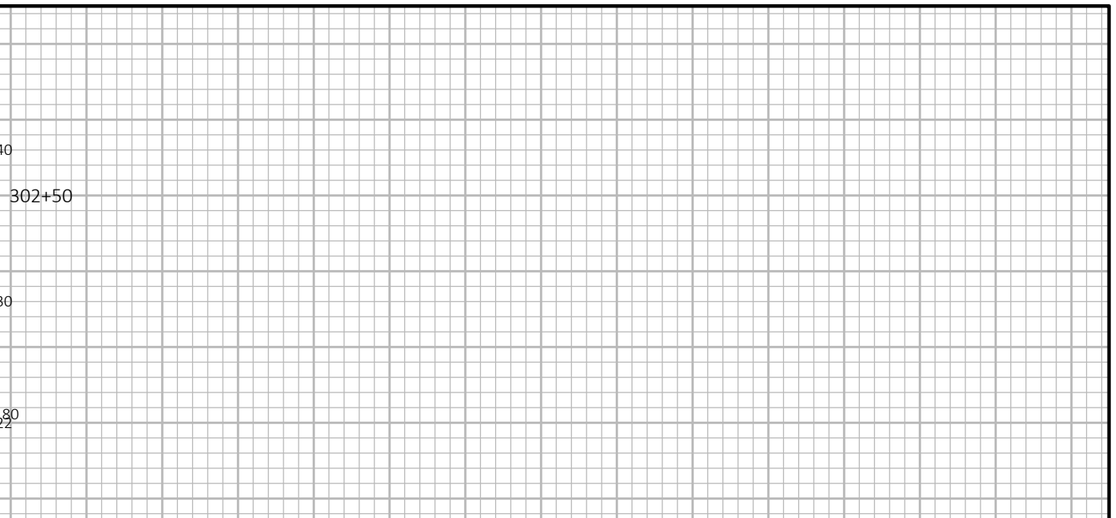
PLOT DATE : 10/21/2025 2:13 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

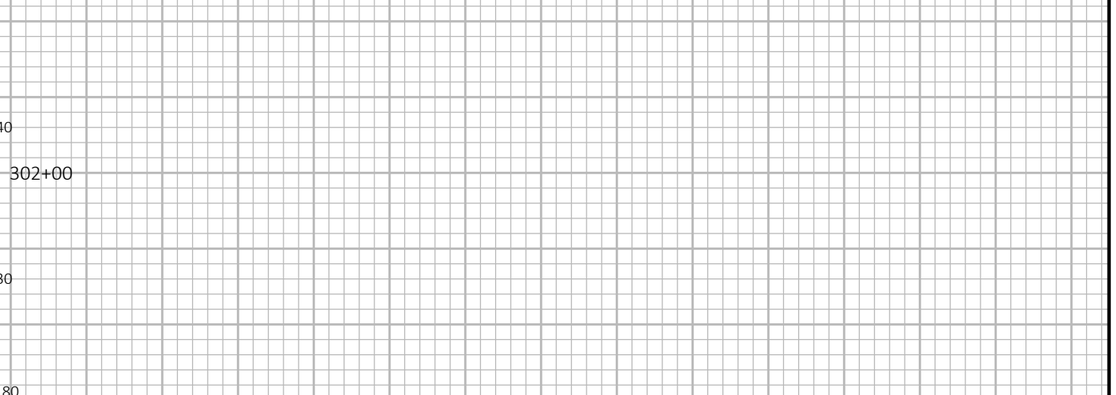
WISDOT/CADDS SHEET 49

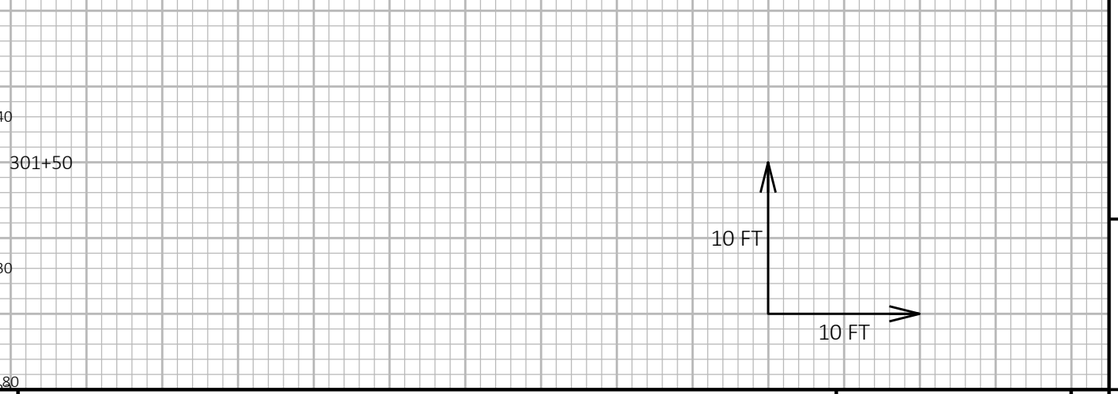












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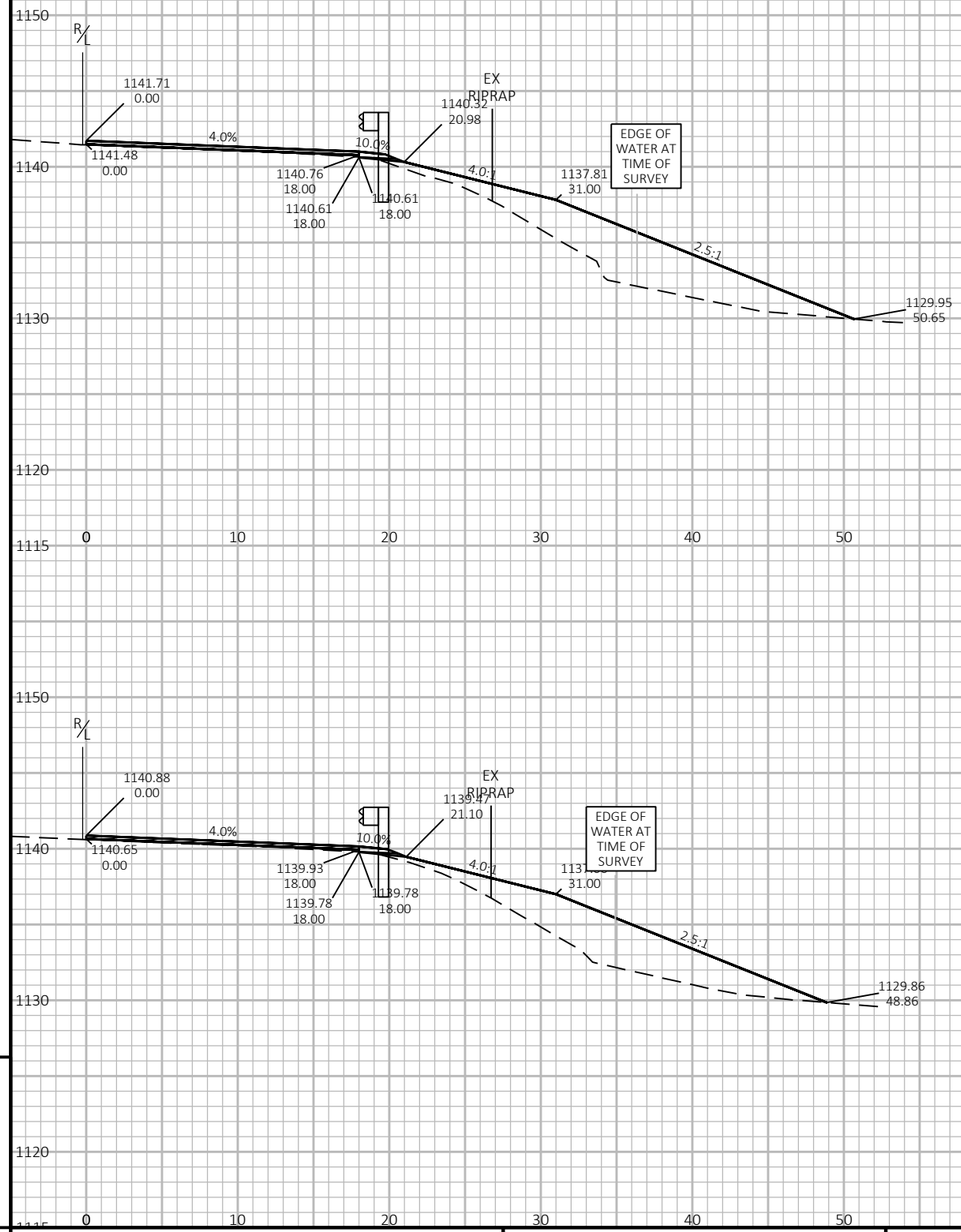
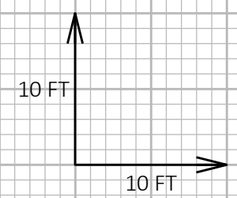
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 339	E





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9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 340	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 144

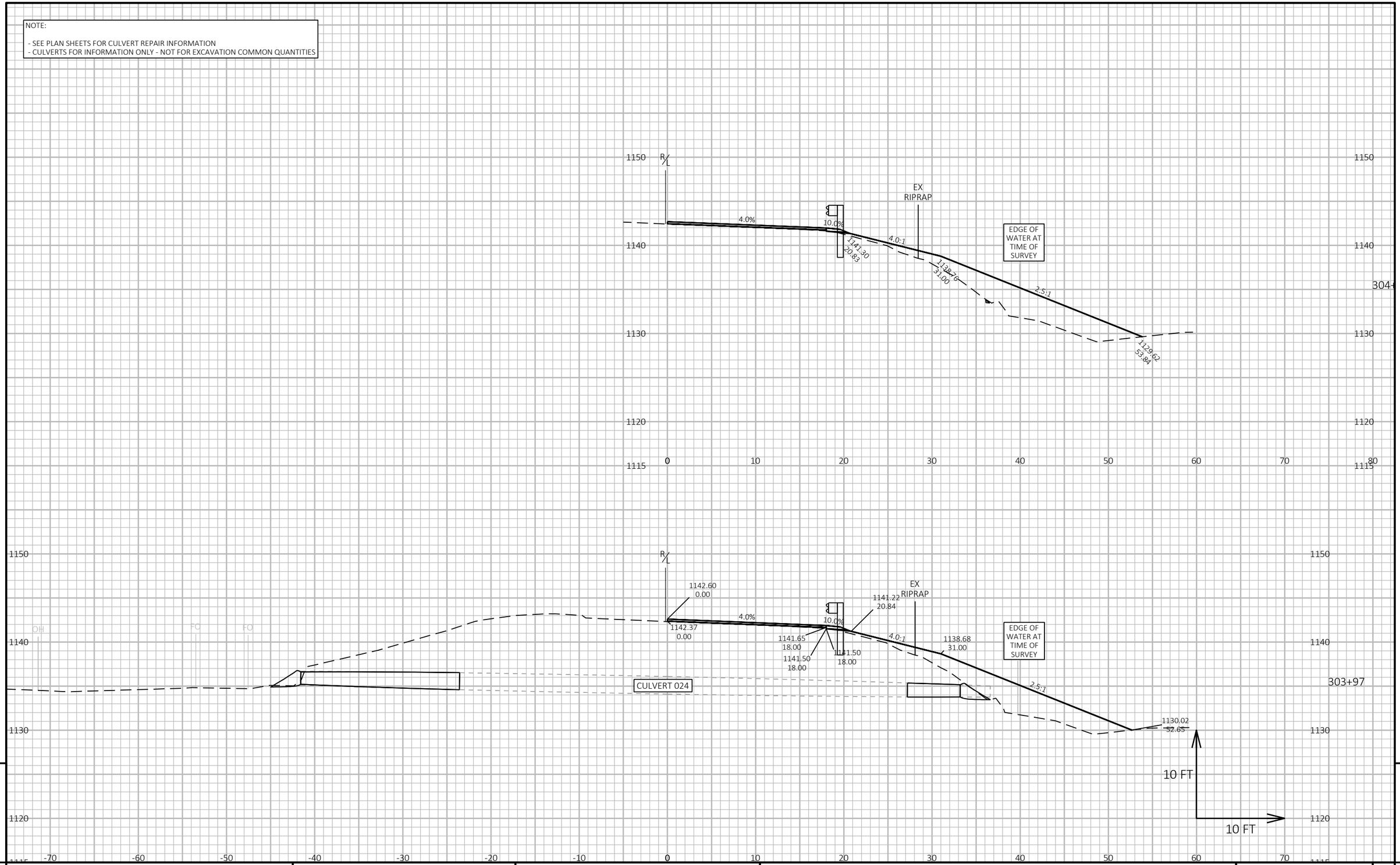
PLOT DATE : 10/21/2025 2:14 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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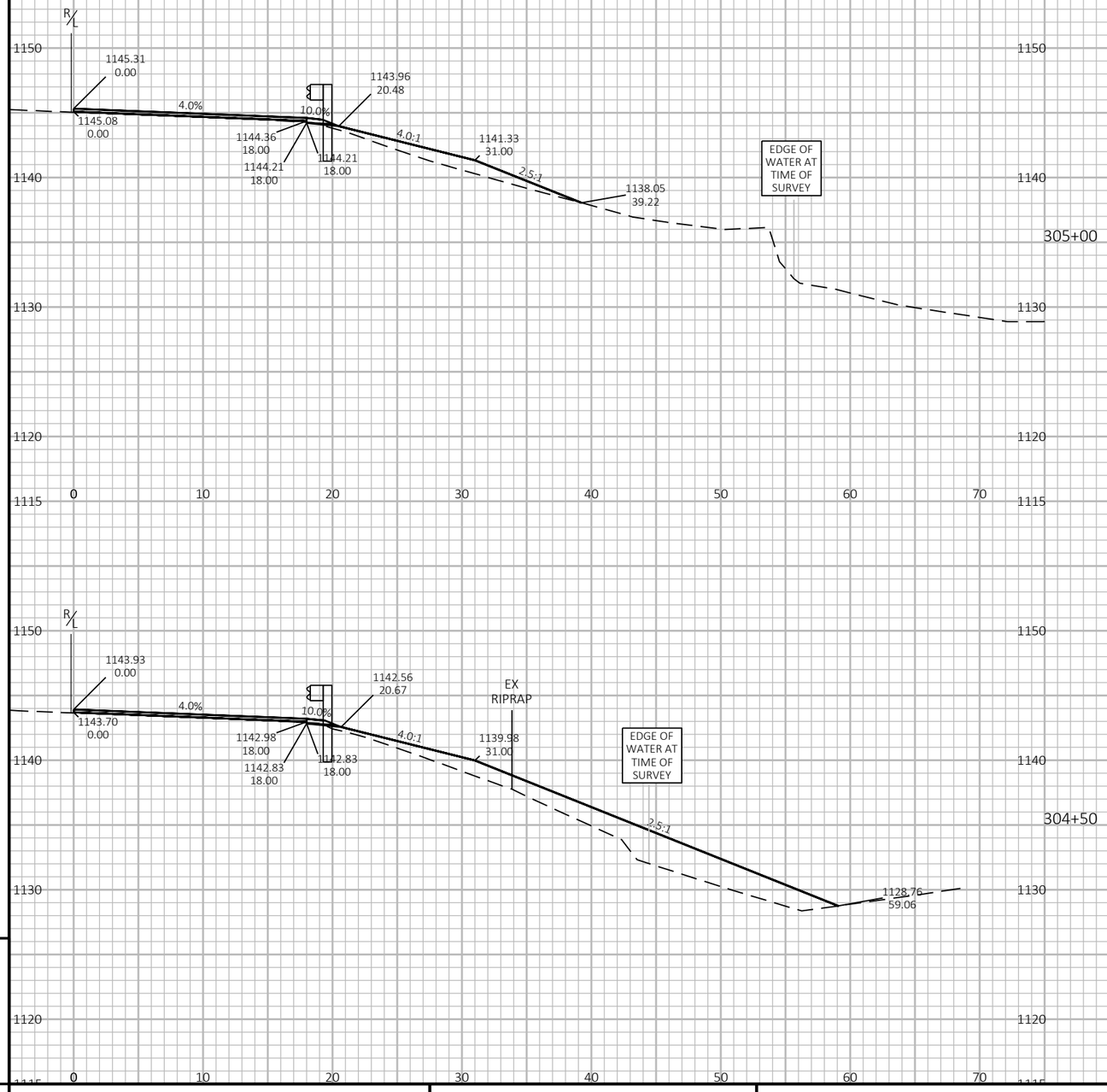
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 341	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 145

PLOT DATE : 10/21/2025 2:14 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

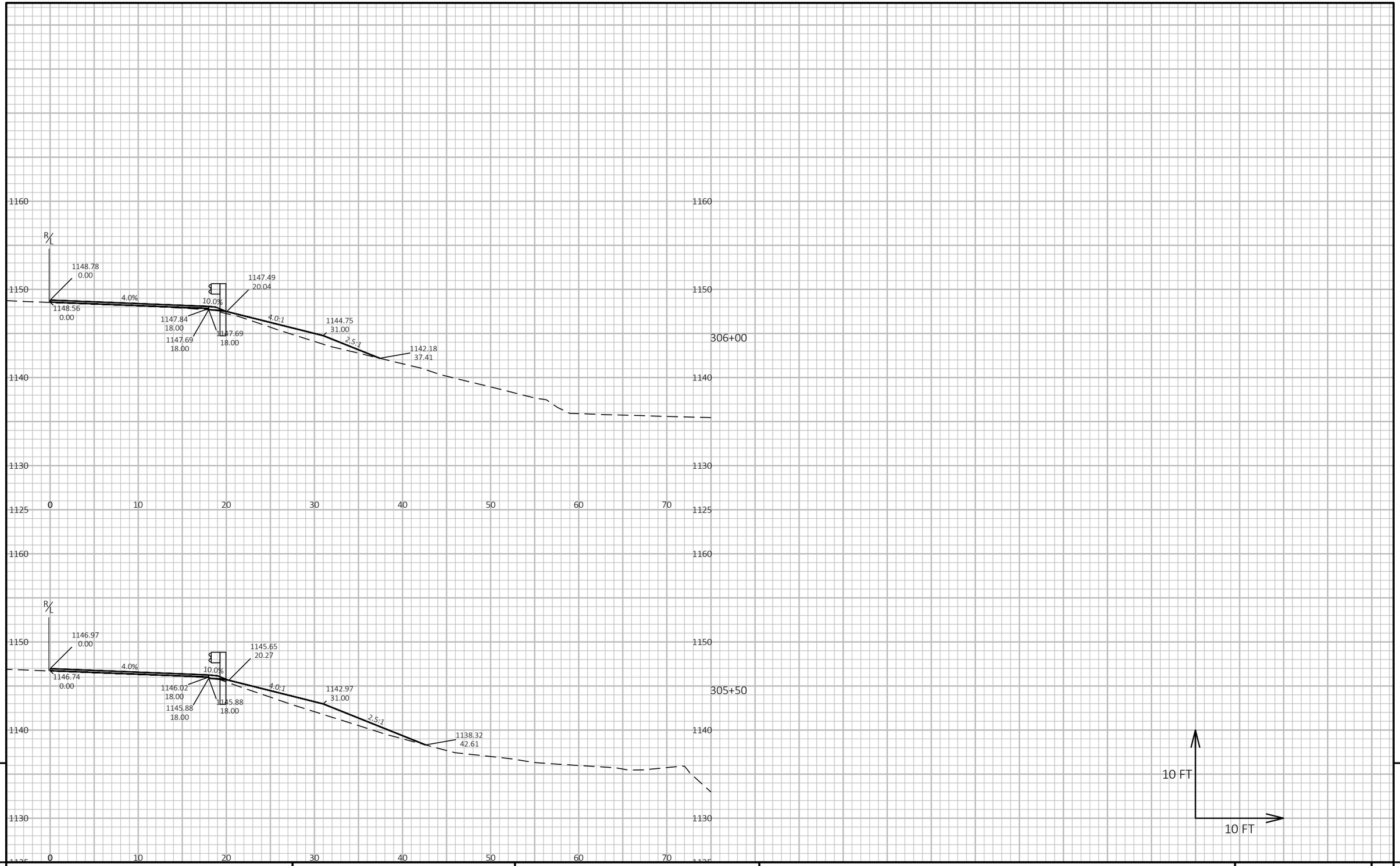


PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 342 E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 146

PLOT DATE : 10/21/2025 2:15 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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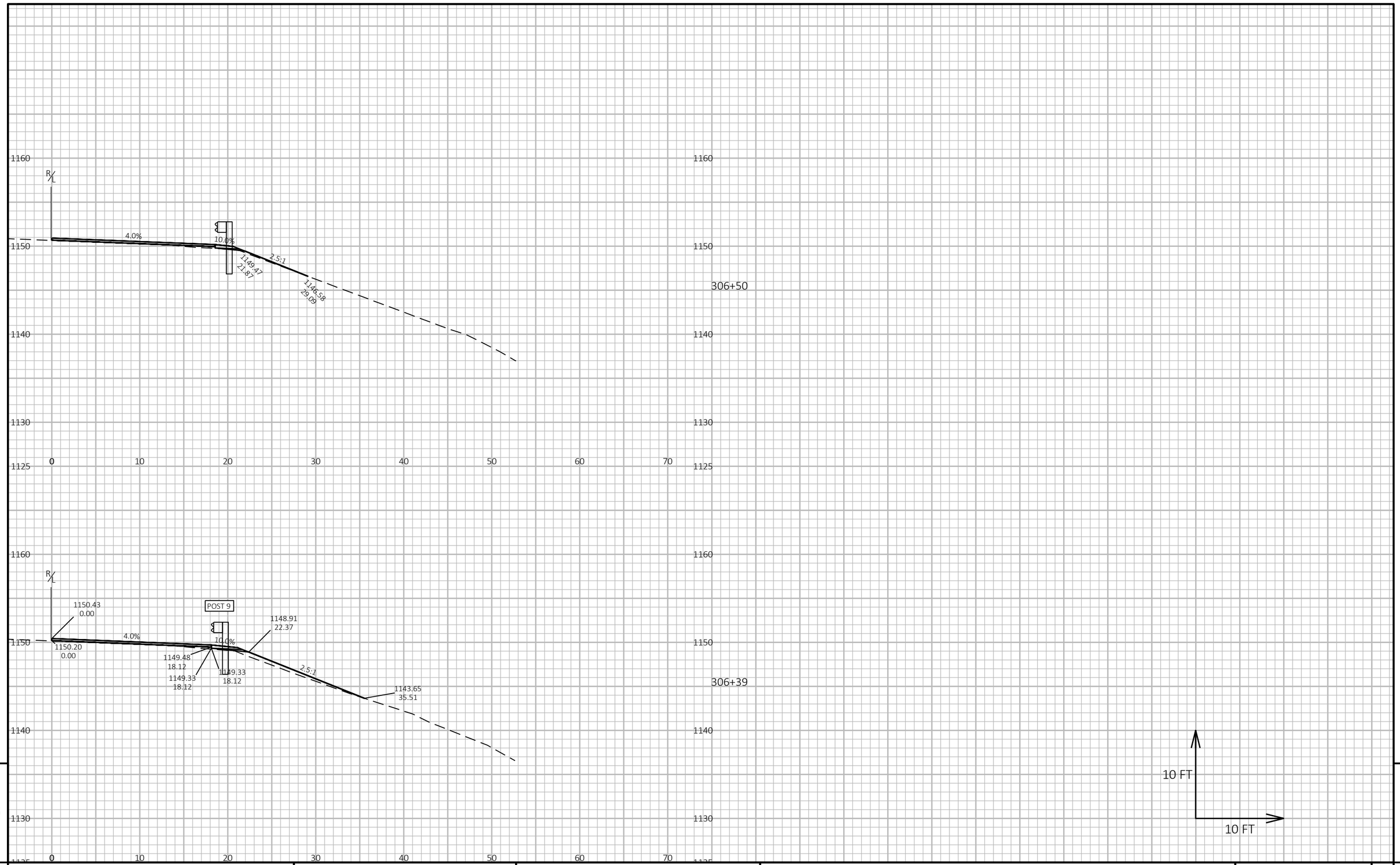
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 343	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 147

PLOT DATE : 10/21/2025 2:15 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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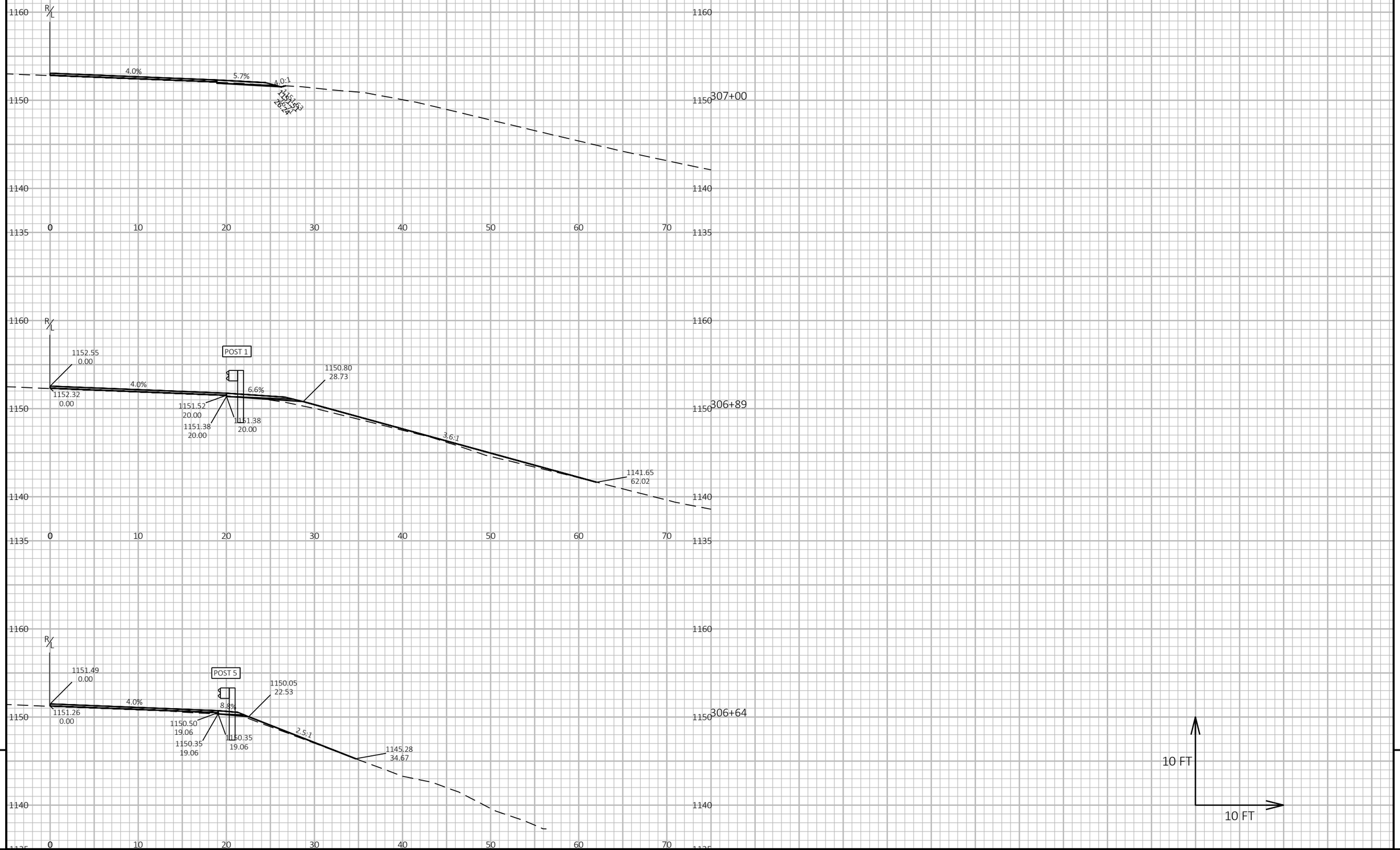
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 344	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 148

PLOT DATE : 10/21/2025 2:15 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.



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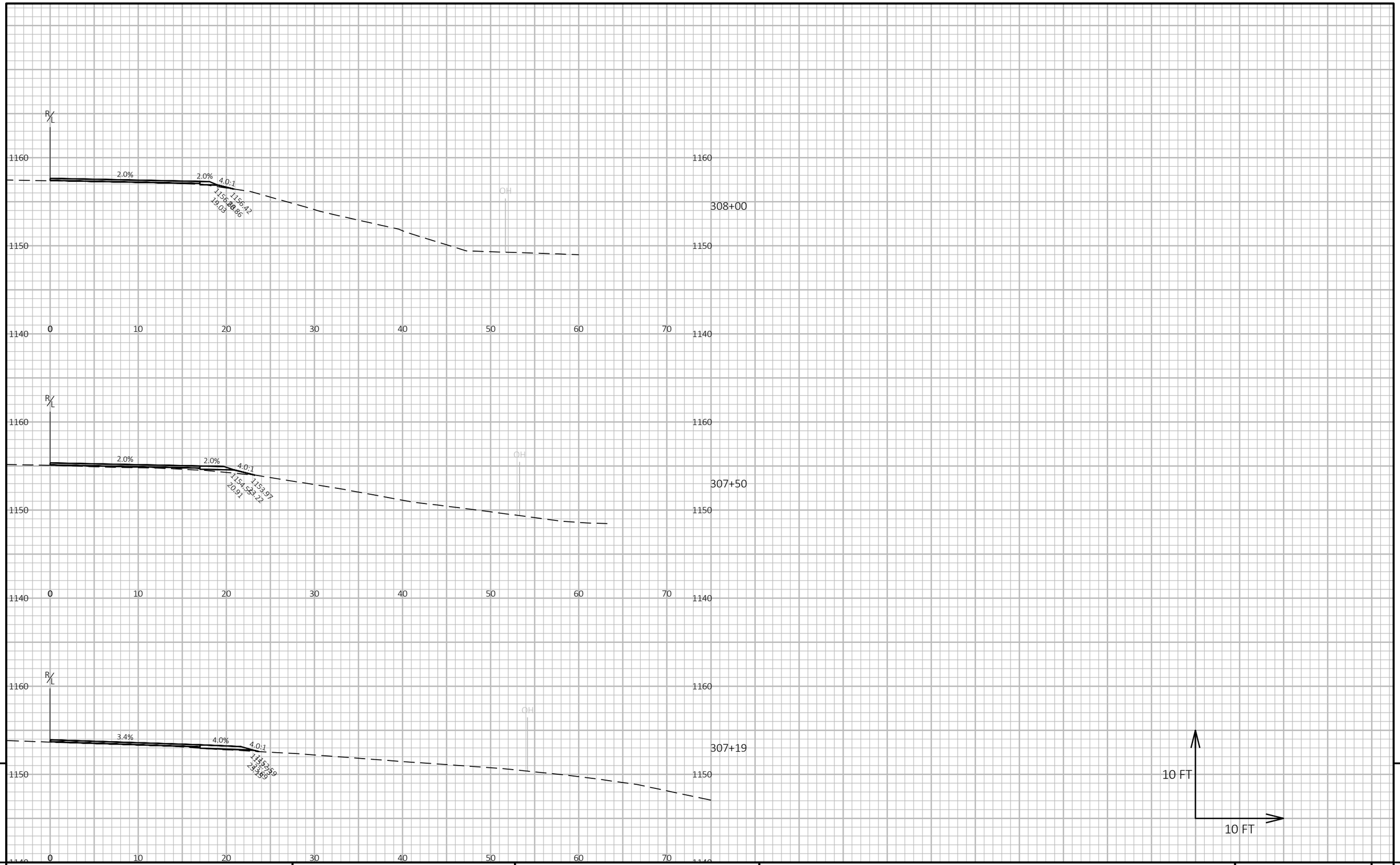
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 345	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 149

PLOT DATE : 10/21/2025 2:16 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: R-BMGRD-295+50	SHEET 346	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 150

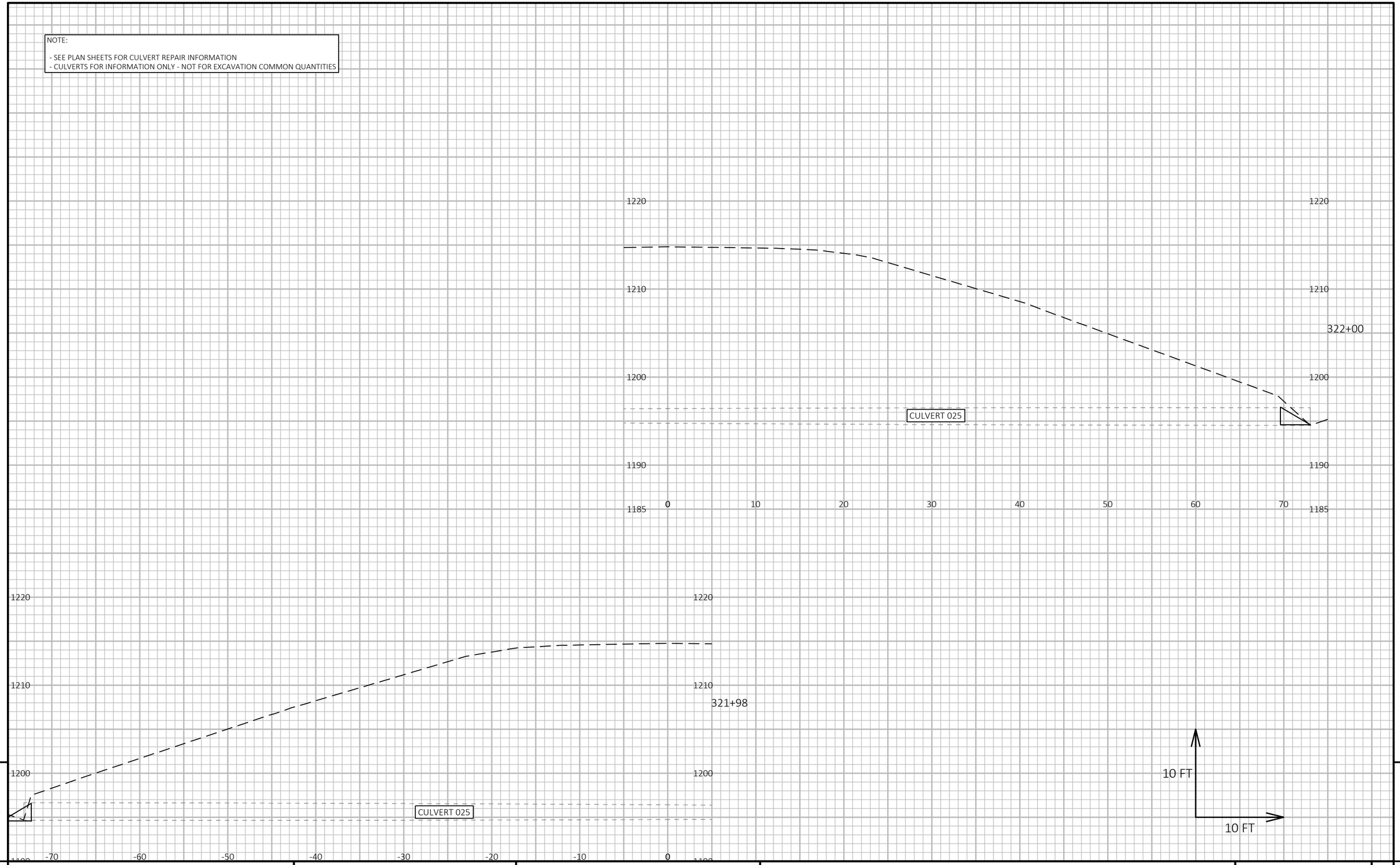
PLOT DATE : 10/21/2025 2:16 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 347	E

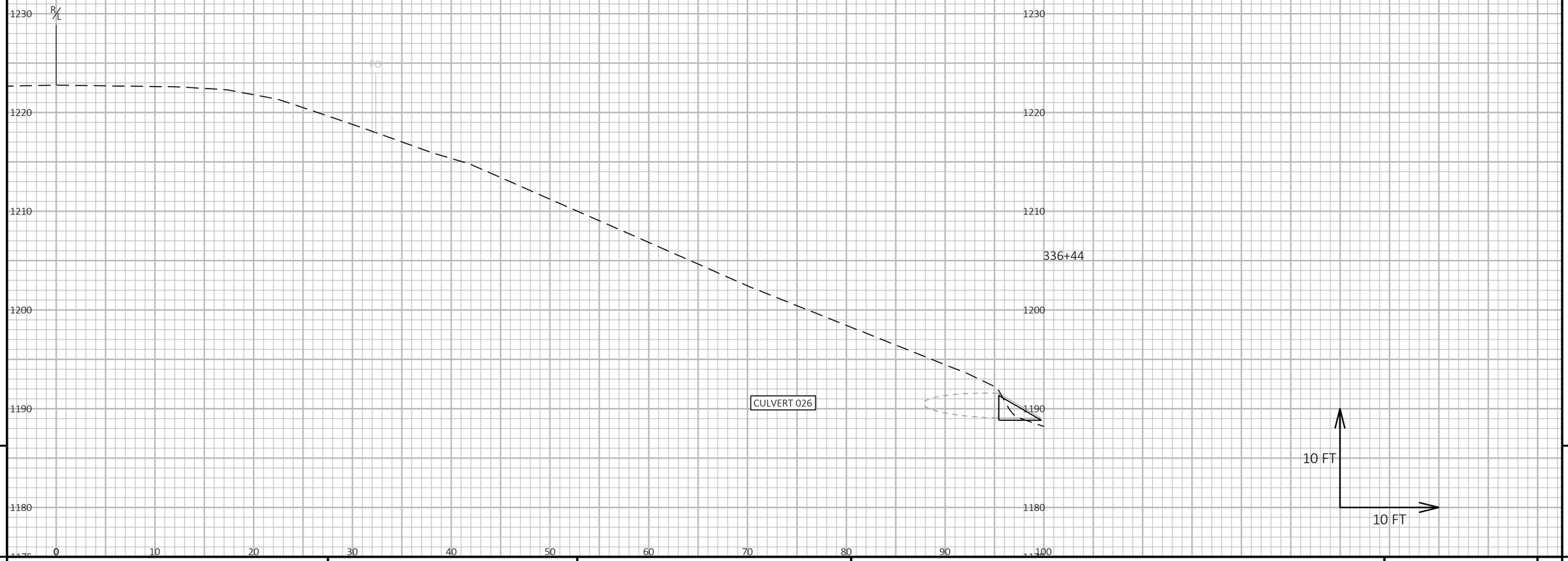
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 151

PLOT DATE : 10/21/2025 2:16 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 348	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 152

PLOT DATE : 10/21/2025 2:17 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES

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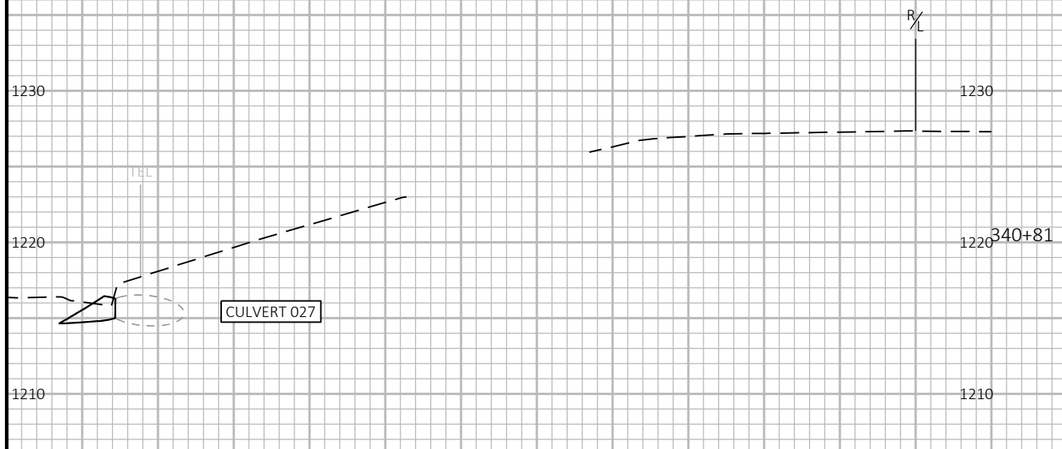
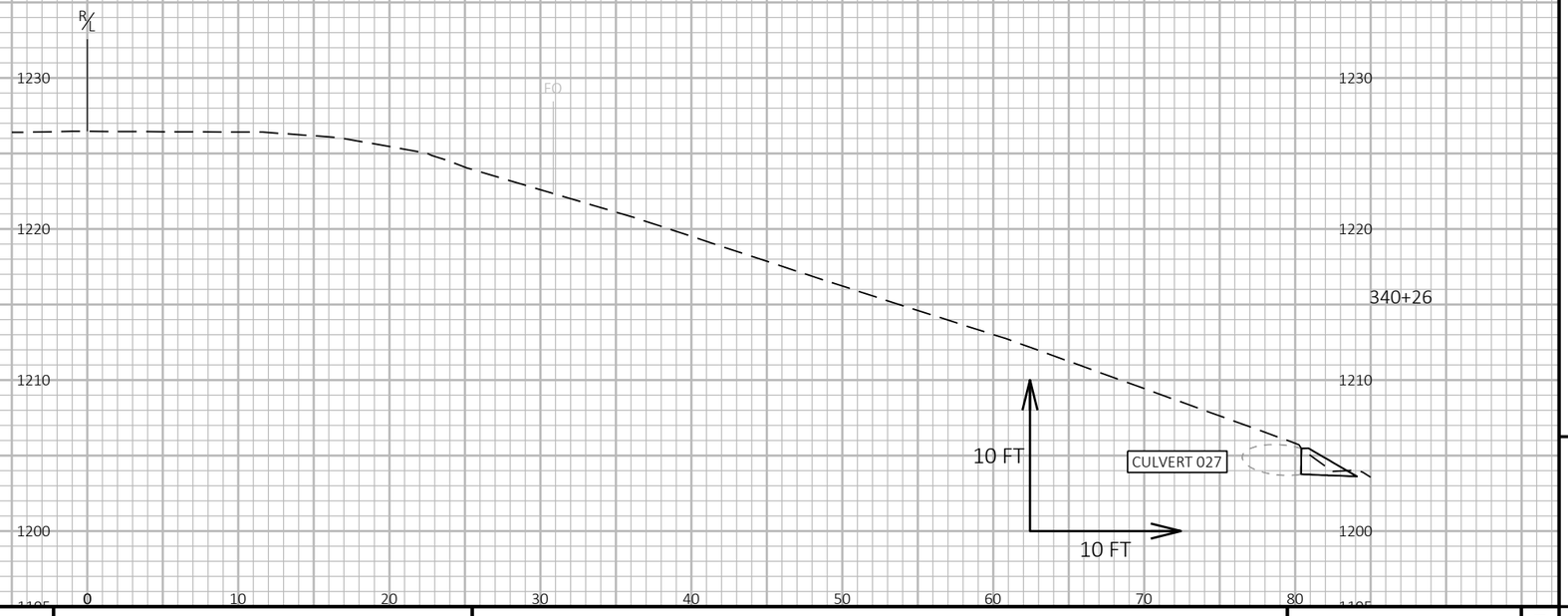
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 349	E

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES





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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 350	E

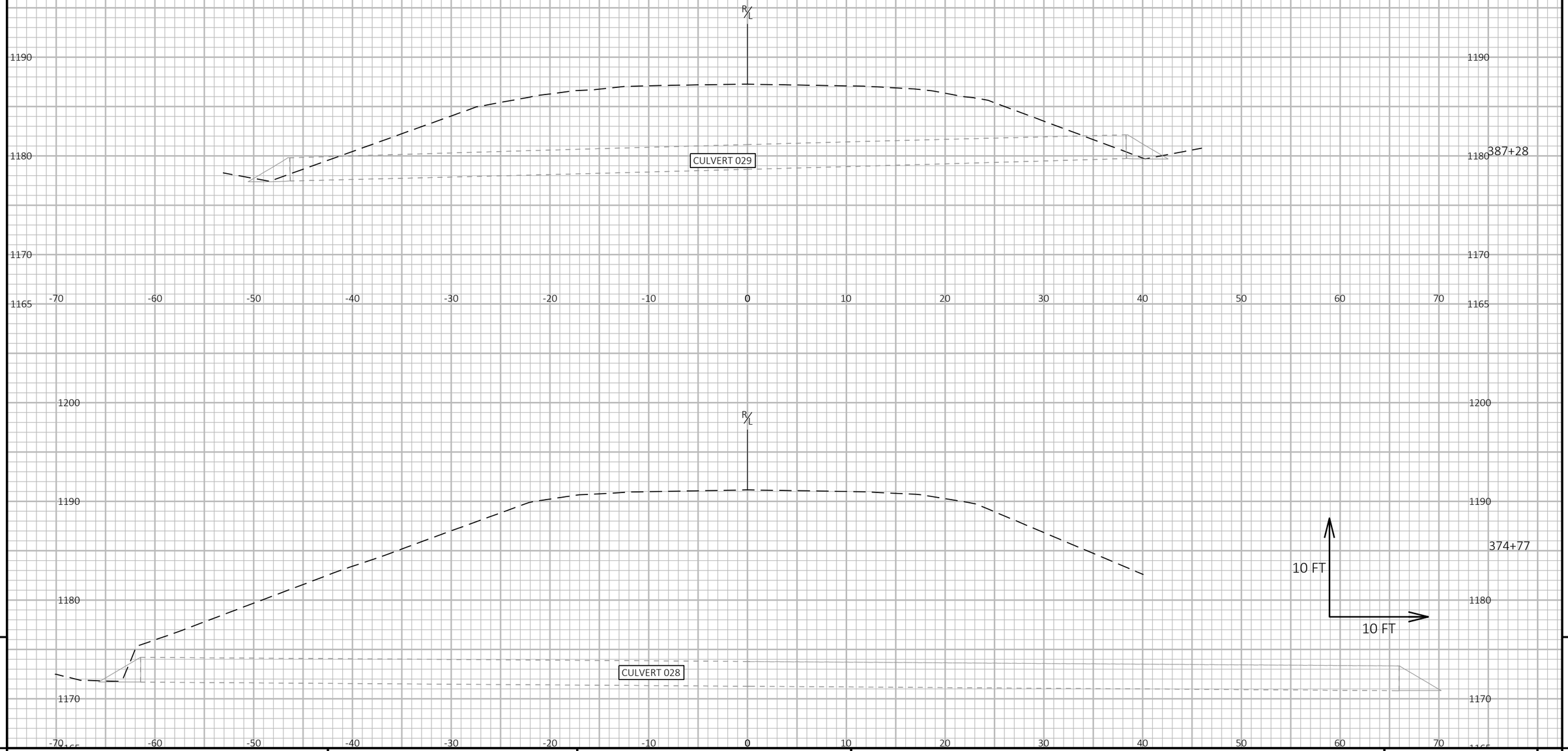
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 154

PLOT DATE : 10/21/2025 2:17 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 351	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 155

PLOT DATE : 10/21/2025 2:18 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES

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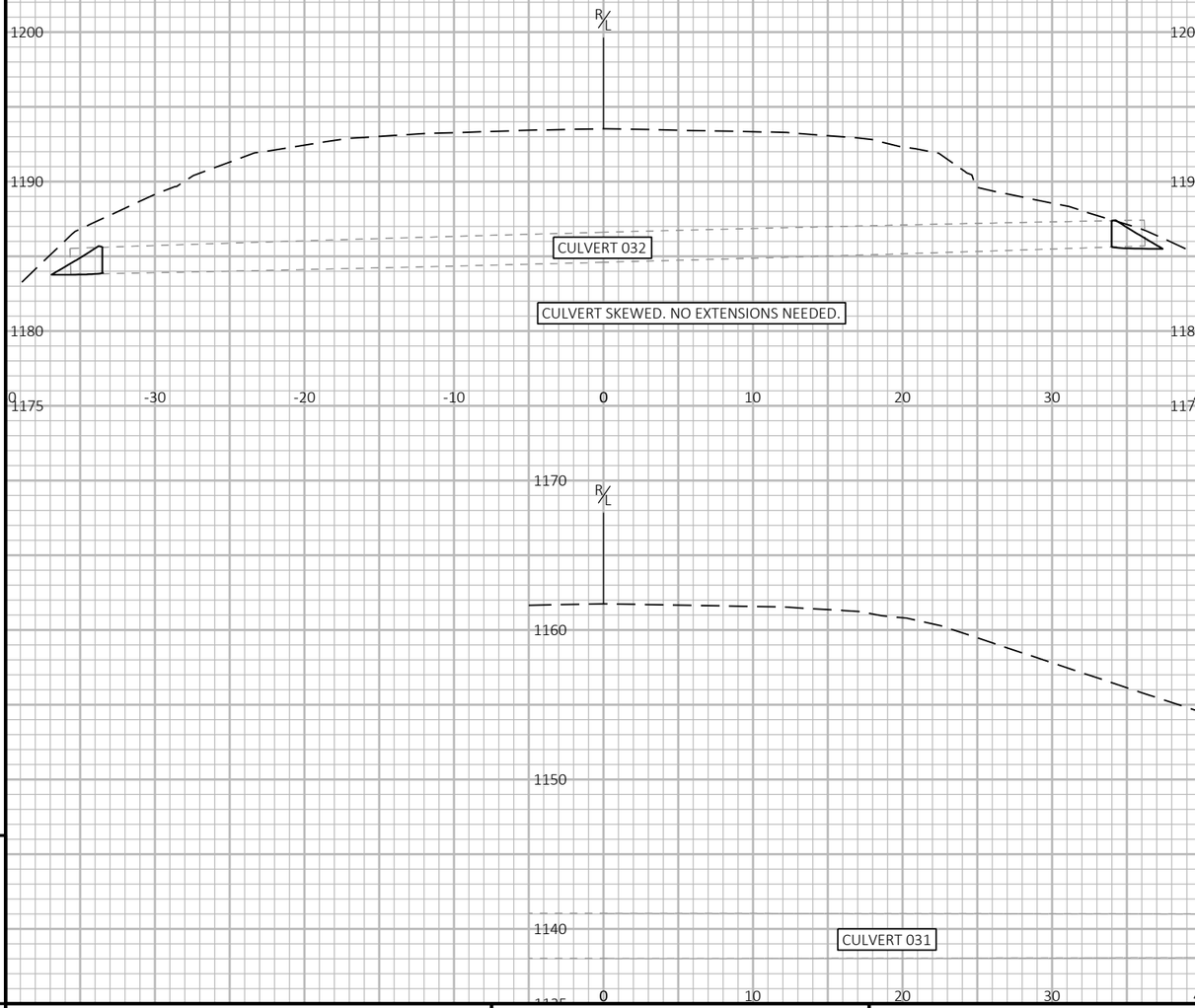
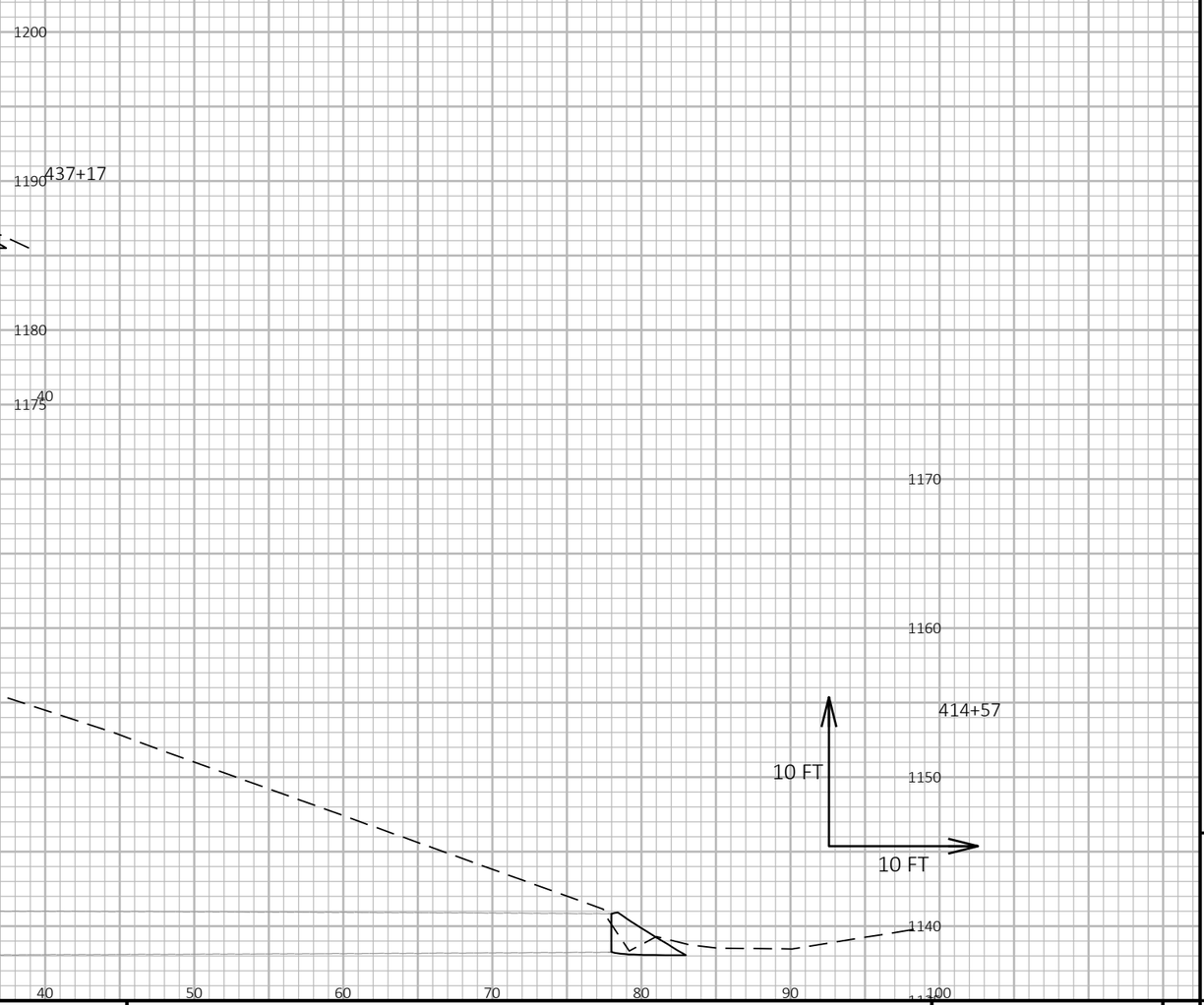
9

PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 352	E

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES





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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 353	E

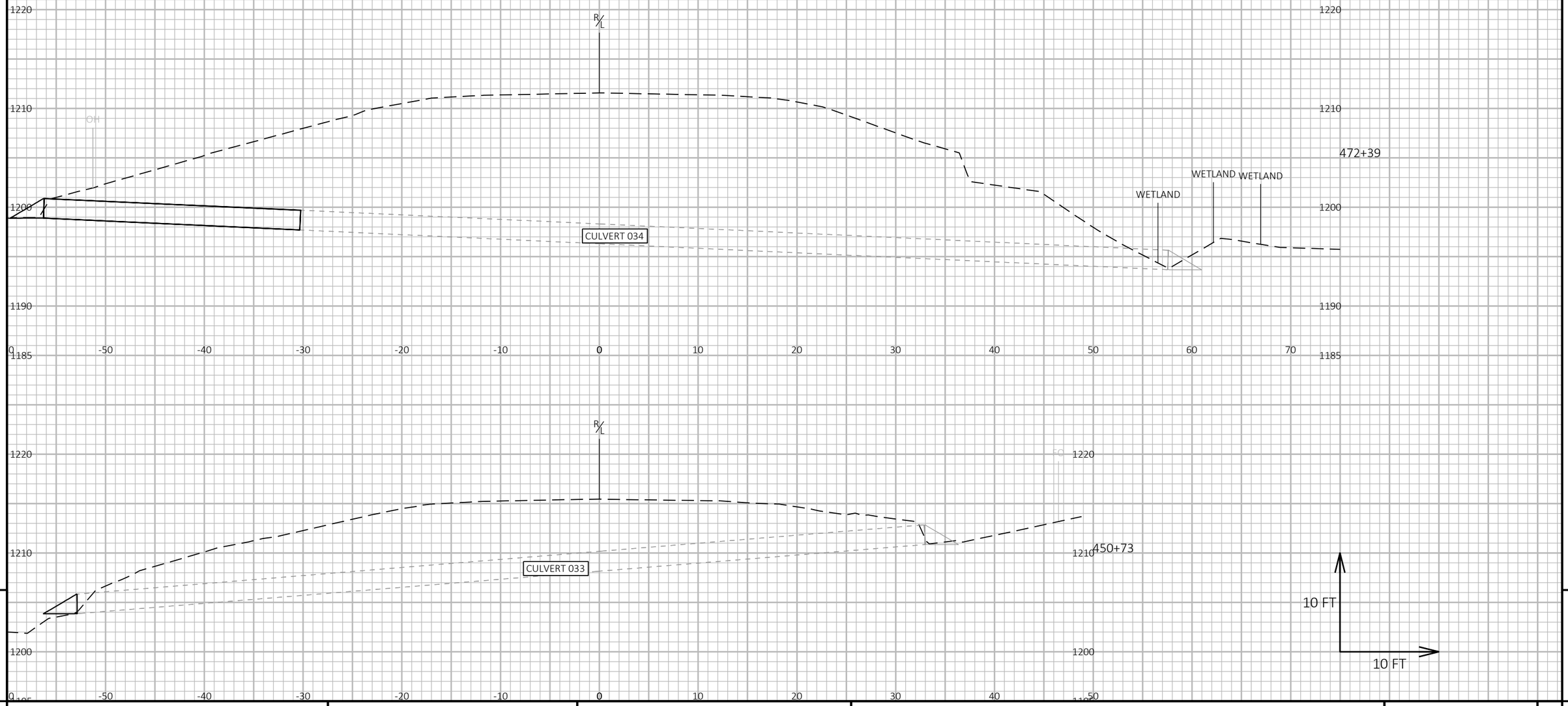
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 157

PLOT DATE : 10/21/2025 2:19 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 354	E

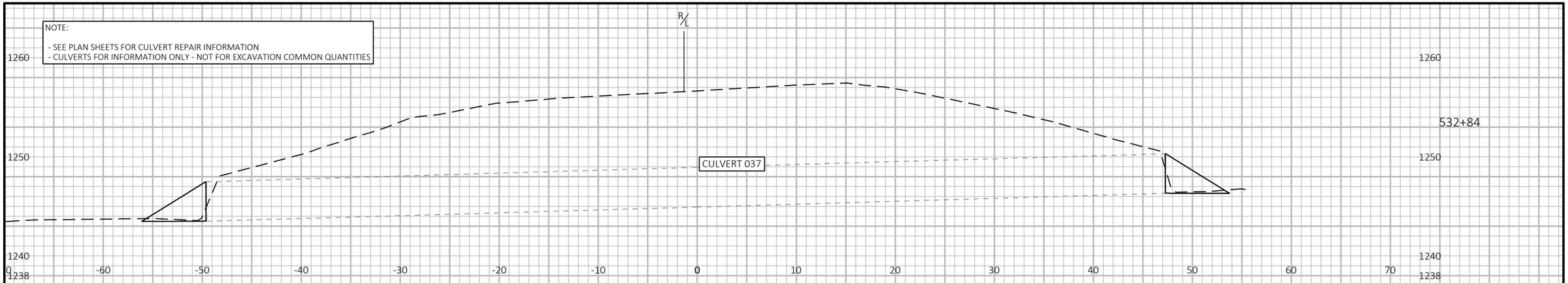
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 158

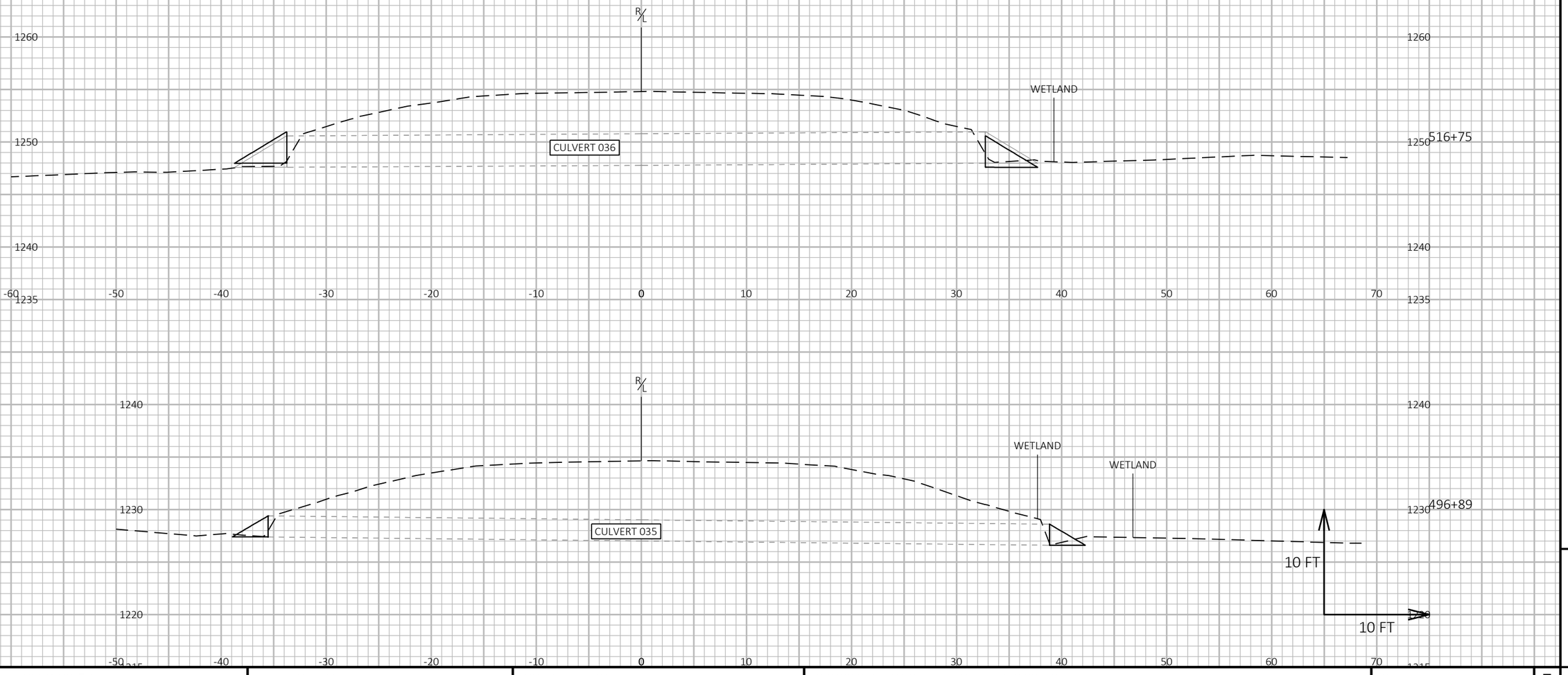
PLOT DATE : 10/21/2025 2:19 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES





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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 355	E

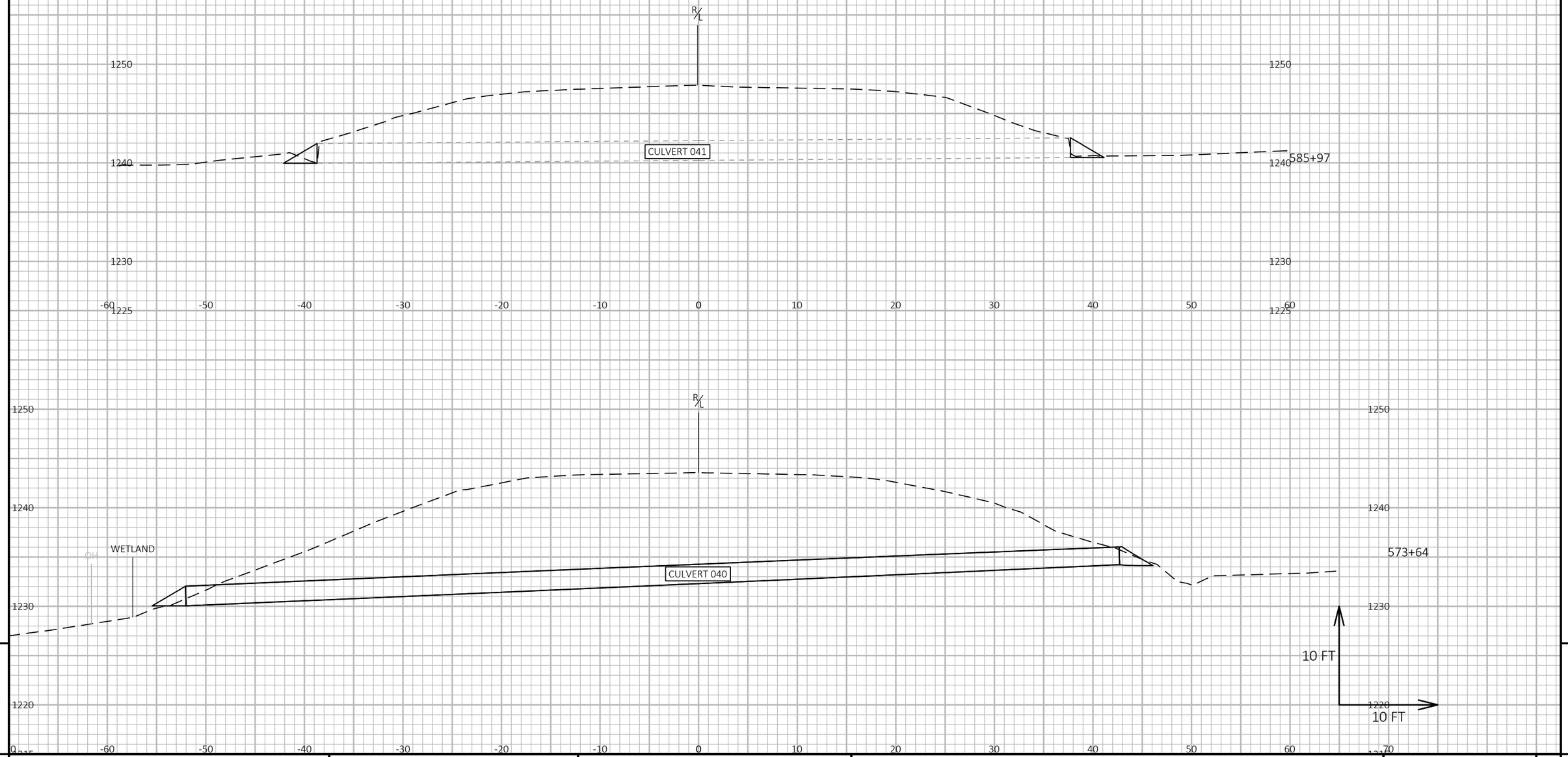
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 159

PLOT DATE : 10/21/2025 2:19 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES



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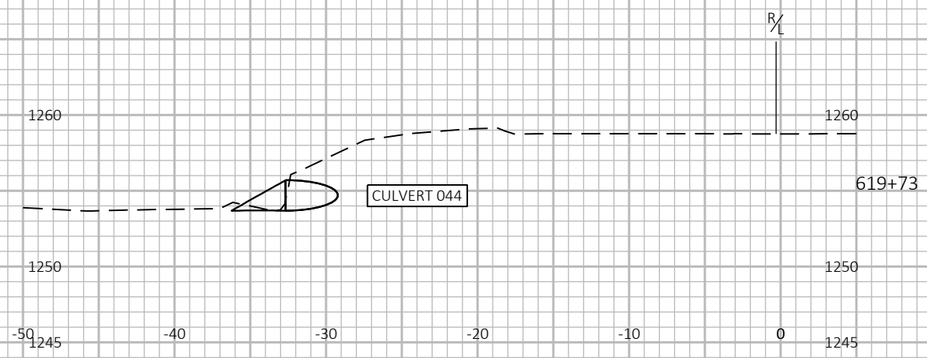
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 356	E

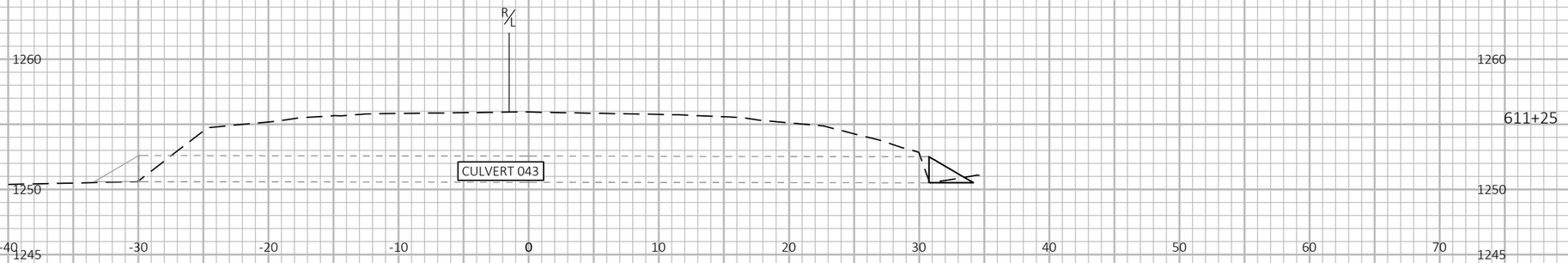
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 160

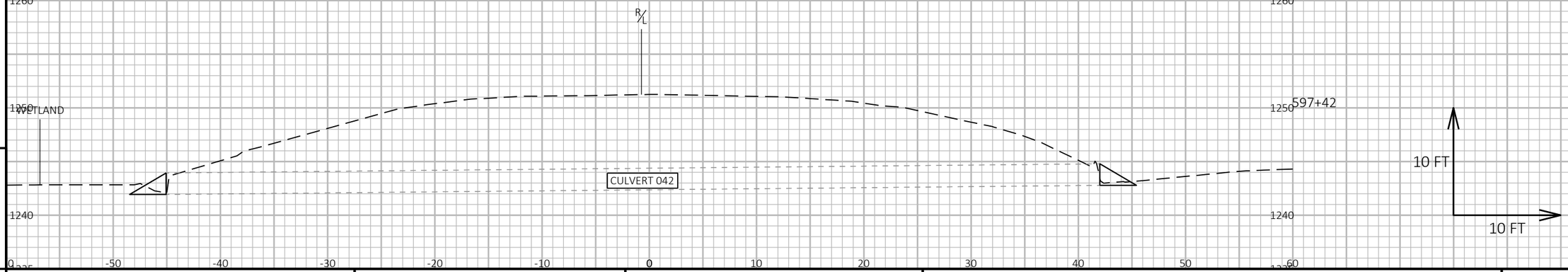
PLOT DATE : 10/21/2025 2:20 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES







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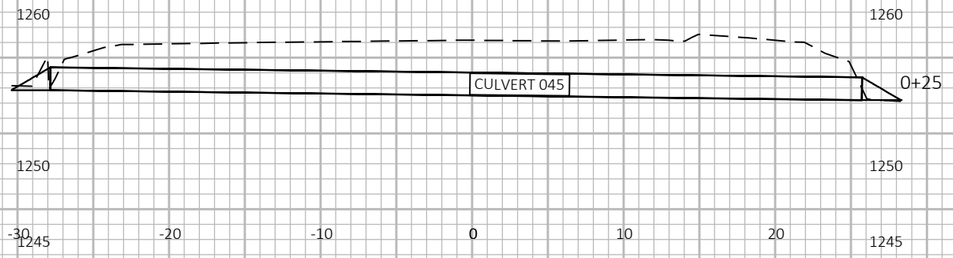
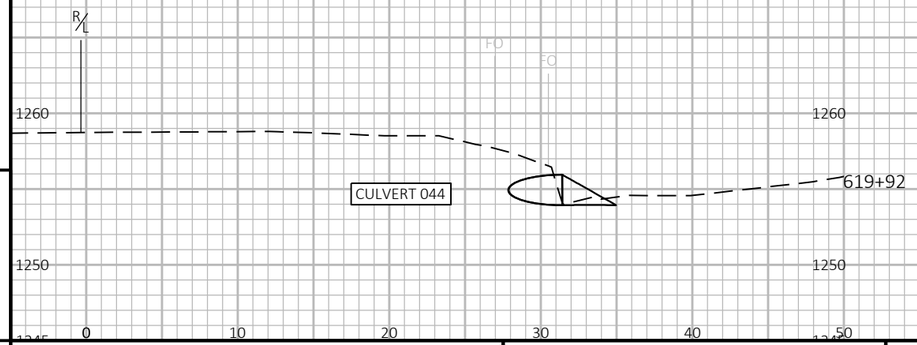
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 357	E

NOTE:

- SEE PLAN SHEETS FOR CULVERT REPAIR INFORMATION
- CULVERTS FOR INFORMATION ONLY - NOT FOR EXCAVATION COMMON QUANTITIES





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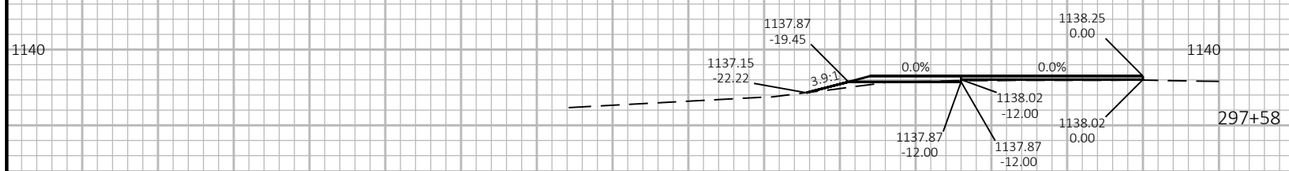
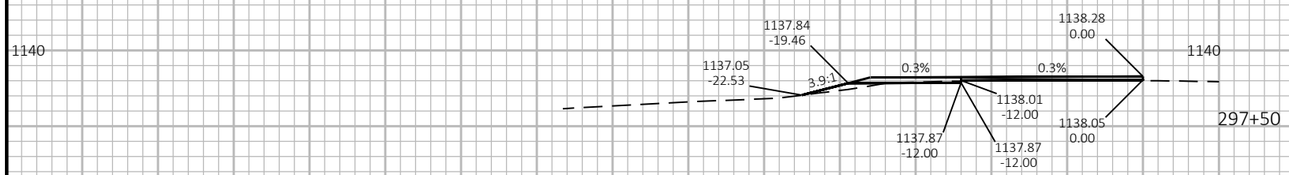
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: CULVERTS 025-045	SHEET 358	E

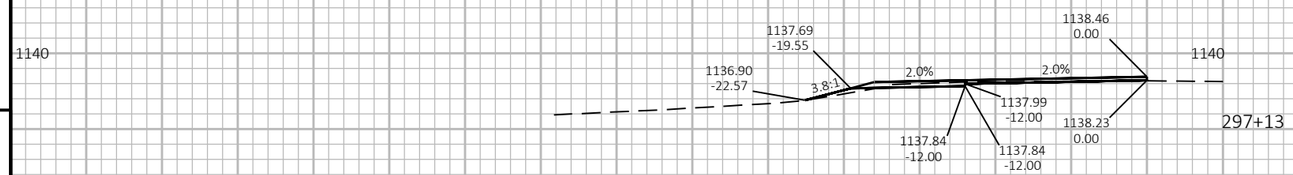
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 162

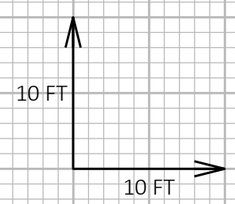
PLOT DATE : 10/21/2025 2:20 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49









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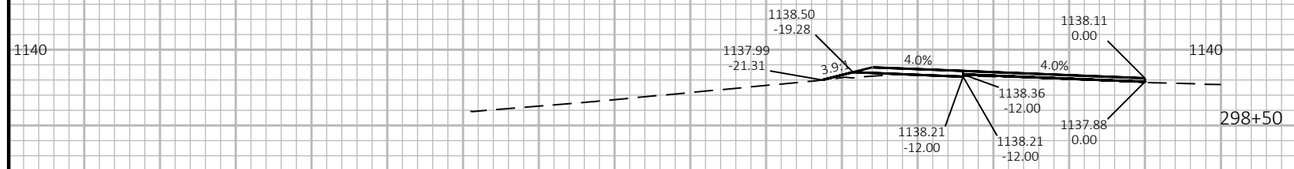
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-297+00	SHEET 359	E

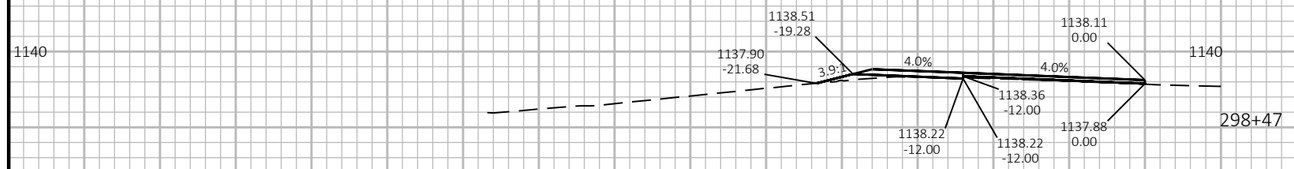
FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 163

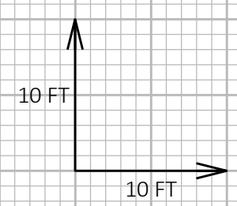
PLOT DATE : 10/21/2025 2:21 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49







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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-297+00	SHEET 360	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 164

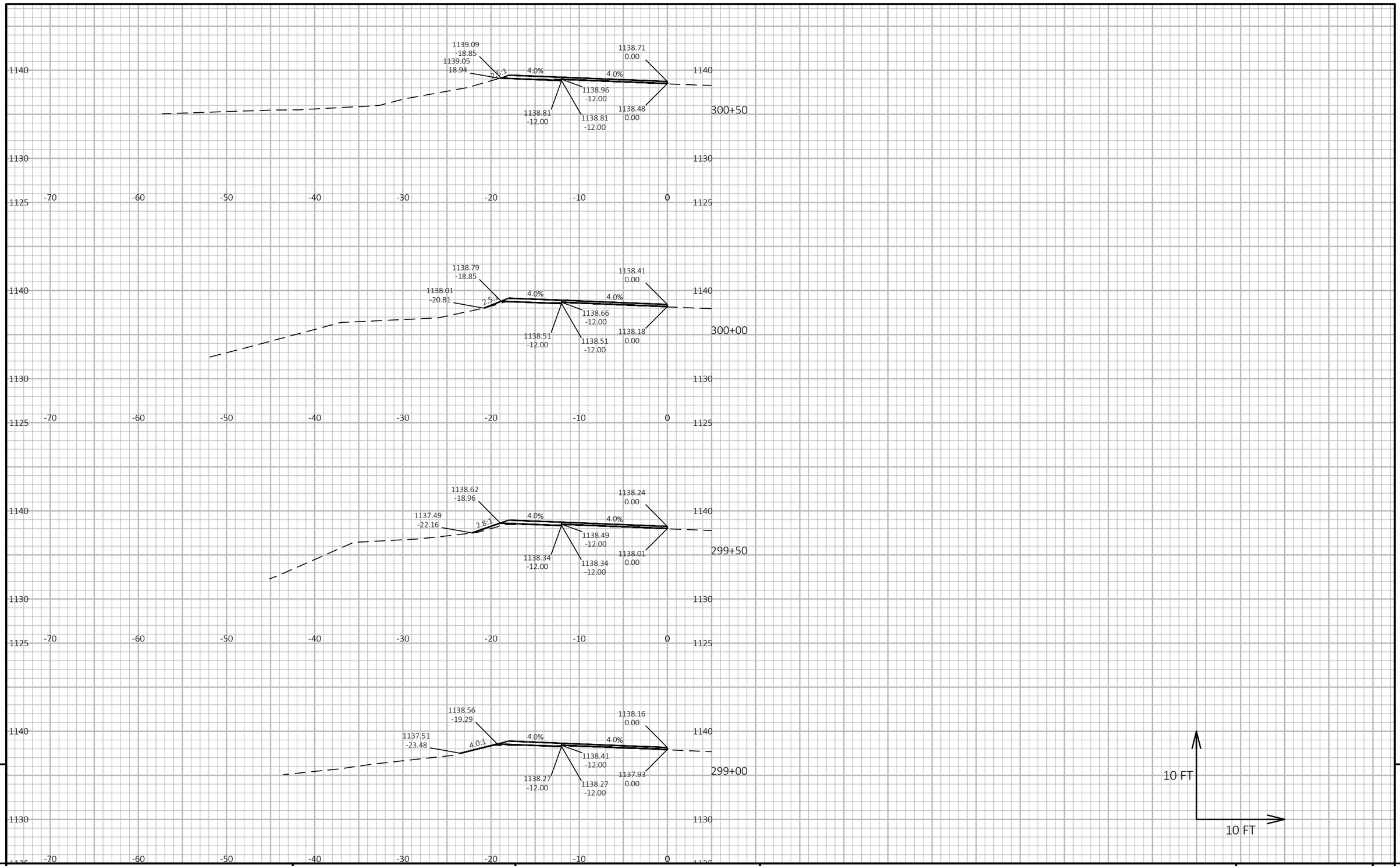
PLOT DATE : 10/21/2025 2:21 PM

PLOT BY : JUSTIN N. HAASE

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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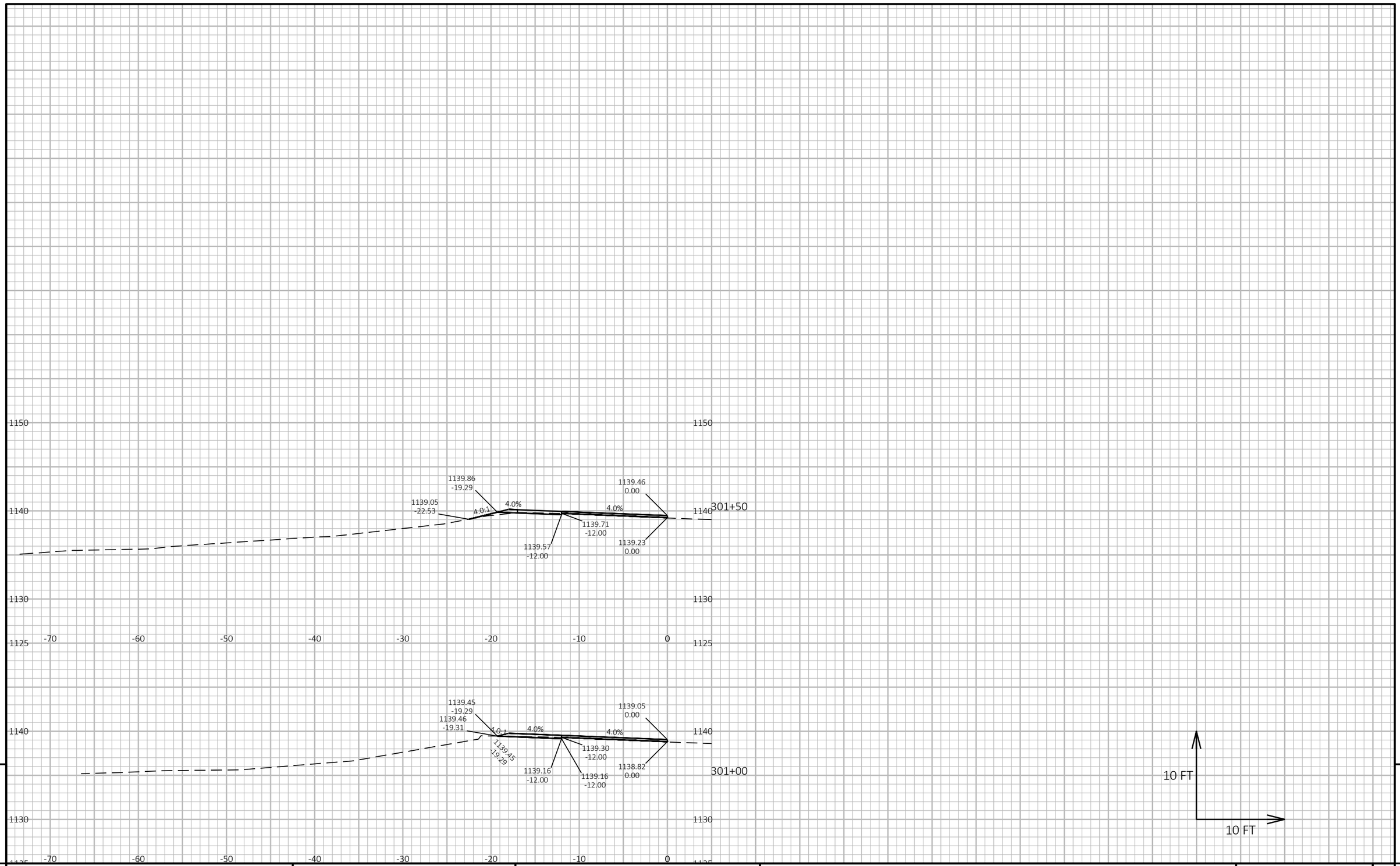
PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-297+00	SHEET 361	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 165

PLOT DATE : 10/21/2025 2:21 PM PLOT BY : JUSTIN N. HAASE PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 8030-00-70	HWY: STH 46	COUNTY: POLK	CROSS SECTIONS: L-BMGRD-297+00	SHEET 362	E

FILE NAME : P:\2021\2021.028 - WISDOT-USH 8 TO STH 35 (8030-00-00)\80300000\SHEETSPLAN\090201-XS.DWG
LAYOUT NAME - 166

PLOT DATE : 10/21/2025 2:22 PM PLOT BY : JUSTIN N. HAASE PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov