

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 = 182

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

UPSON - MONTREAL RIVER

WEST MILL STREET TO MI STATE LINE

STH 122

IRON COUNTY

STATE PROJECT NUMBER

9303-03-72

STATE PROJECT

9303-03-72

FEDERAL PROJECT

PROJECT

CONTRACT

PROJECT ID: 9303-03-72

COUNTY: IRON



40



NET EXCEPTION TO CL LENGTH
STA 580+97 - STA 582+38

BEGIN PROJECT
STA 561+50
X: 684,880.25
Y: 387,187.53

END PROJECT
STA 804+70



DESIGN DESIGNATION

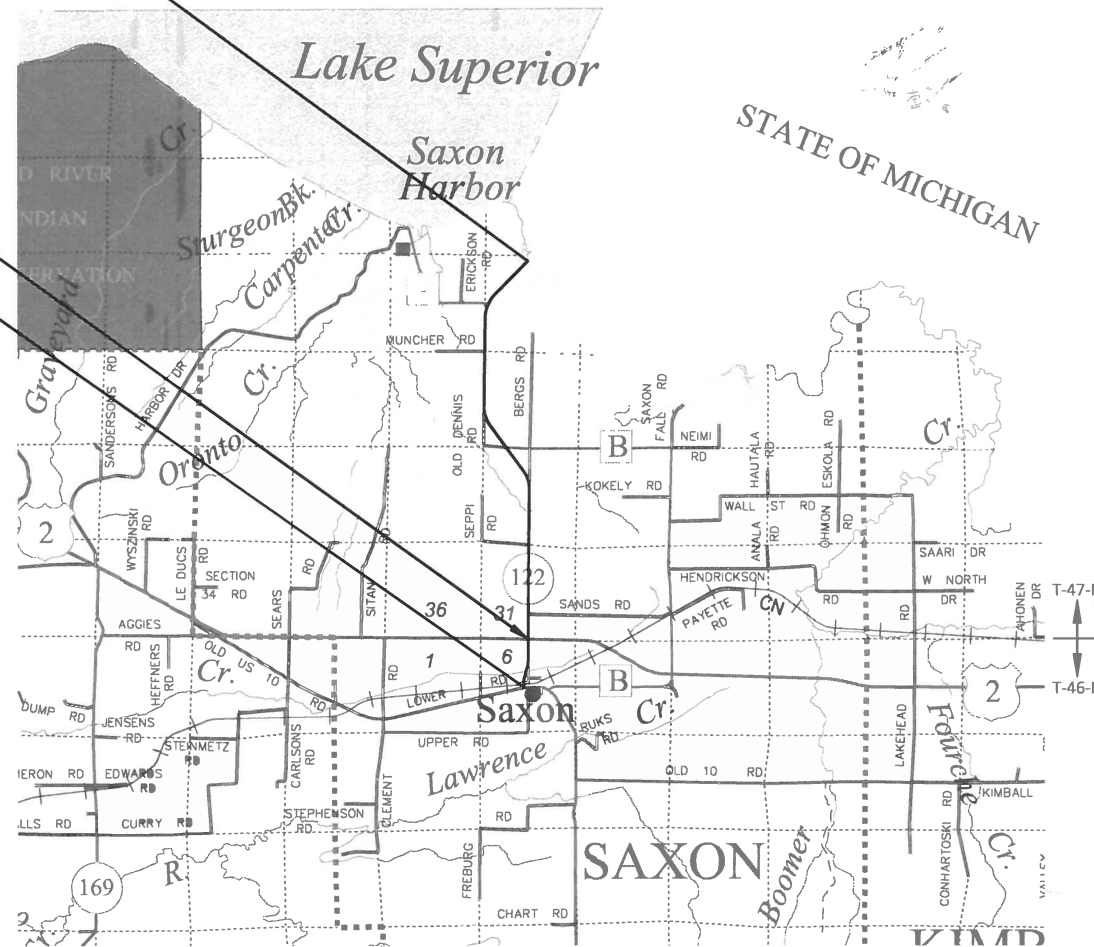
A.A.D.T.	2023	=	120
A.A.D.T.	2043	=	120
D.H.V.		=	31
D.D.		=	0.5
T.		=	13%
DESIGN SPEED		=	55
ESALS		=	14,600

CONVENTIONAL SYMBOLS

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

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

ROCK	
LABEL	
95.36	
E	
FO	
G	
SAN	
SS	
T	
W	
Utility Pedestal	
Power Pole	
Telephone Pole	



TOTAL NET LENGTH OF CENTERLINE = 4.579 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), IRON 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.



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	WISDOT
Designer	BENESCH
Project Manager	MICHELLE GUOIN
Regional Examiner	ZACH GRULING
Regional Supervisor	DAN ERVA

APPROVED FOR THE DEPARTMENT
DATE: 10/13/2022 *Michelle Guoin*
(Signature)

E

GENERAL NOTES

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.
2. ALL ELEVATIONS AND OFFSETS SHOWN IN THE PLAN SHALL BE VERIFIED IN THE FIELD.
3. NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.
4. THE COST OF GRADING, CONSTRUCTING, MAINTAINING, AND REMOVING TEMPORARY ACCESS IS INCIDENTAL TO THE CONTRACT.
5. THE CONTRACTOR SHALL PROTECT ALL SECTION CORNERS AND MONUMENTS ALONG STH 122 TO PREVENT DAMAGE DURING CONSTRUCTION ACTIVITIES.
6. EXISTING RIGHT OF WAY SHOWN IN PLANS IS AN APPROXIMATION BASED ON AVAILABLE GIS INFORMATION.

PAVEMENT LOCATION	TOTAL PAVEMENT THICKNESS	LAYER	TYPE
STH 122	2.5 INCHES	UPPER 1.75 INCHES	4 LT 58-34 S
		LEVELING 0.75 INCHES	4 LT 58-34 S
STH 122 MILL & OVERLAY	1.75 INCHES	UPPER 1.75 INCHES	4 LT 58-34 S

ORDER OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- CULVERT DETAILS
- TRAFFIC CONTROL PLAN
- DETOUR PLANS
- ALIGNMENT DETAIL

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	0.08	0.16	0.22	0.12	0.20	0.27	0.15	0.24	0.33	0.19	0.28	0.38
	0.22	0.30	0.38	0.26	0.34	0.44	0.30	0.37	0.50	0.34	0.41	0.56
MEDIAN STRIP TURF	0.19	0.20	0.24	0.19	0.22	0.26	0.20	0.23	0.30	0.20	0.25	0.30
	0.24	0.26	0.30	0.25	0.28	0.33	0.26	0.30	0.37	0.27	0.32	0.40
SIDE SLOPE TURF	0.25	0.27	0.25	0.30		0.27			0.28			0.30
	0.34	0.36	0.32			0.34			0.36			0.38
PAVEMENT:												
ASPHALT	0.70 - 0.95											
CONCRETE	0.80 - 0.95											
BRICK	0.70 - 0.80											
DRIVES, WALKS	0.75 - 0.85											
ROOFS	0.75 - 0.95											
GRAVEL ROADS, SHOULDERS	0.40 - 0.60											

TOTAL PROJECT AREA = 45.17 ACRES
 TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 1.50 ACRES

UTILITIES

COMMUNICATIONS

BRIGHTSPEED - COMMUNICATION LINE
 BEN BAKER
 425 ELLINGSON AVE
 HAWKINS, WI 54530
 715-567-0725
 BEN.BAKER@BRIGHTSPEED.COM

GAS/PETROLEUM

ENBRIDGE ENERGY - GAS/PETROLEUM
 BRIAN TREKAS
 501 EASY STREET
 IRONWOOD, MI 49938
 906-285-2202
 BRIAN.TREKAS@ENBRIDGE.COM

GAS/PETROLEUM

GREAT LAKES GAS - GAS/PETROLEUM
 ROBERT SOUTHERS
 677 ANNE ST NW # H
 BEMIDJI, MN 56601
 641-919-0836
 ROBERT_SOUTHERS@TCENERGY.COM

COMMUNICATIONS

MERIT NETWORK, INC. - COMMUNICATION LINE
 DUSTIN LAPOINTE
 10514 CO RD 612
 LEWISTON, MI 49756
 734-476-6100
 DLAPOINTE@MERIT.EDU

GAS/PETROLEUM

NORTHERN NATURAL GAS COMPANY - GAS/PETROLEUM
 ANDREW ANKRUM
 1995 NORTHERN NATURAL GAS RD
 CARLTON, MN, 55718
 402-530-3451
 ANDREW.ANKRUM@NNGCO.COM

SEWER

SAXON SANITARY DISTRICT 1 - SEWER
 MIKE MANZANARES
 14359N CLEMENT RD
 SAXON, WI, 54559
 402-530-3451
 MMANZ122@YAHOO.COM

ELECTRICITY - TRANSMISSION

XCEL ENERGY
 MITCHELL DIENGER
 414 NICOLLET MALL 5TH FLOOR
 MINNEAPOLIS, MN 55401
 612-321-3109
 MITCHELL.A.DIENGER@XCELENERGY.COM

ELECTRICITY

XCEL ENERGY
 BRENNAN HENRY
 1751 LIBERTY ST
 IRONWOOD, MI 49938
 715-614-2410
 BRENNAN.J.HENRY@XCELENERGY.COM

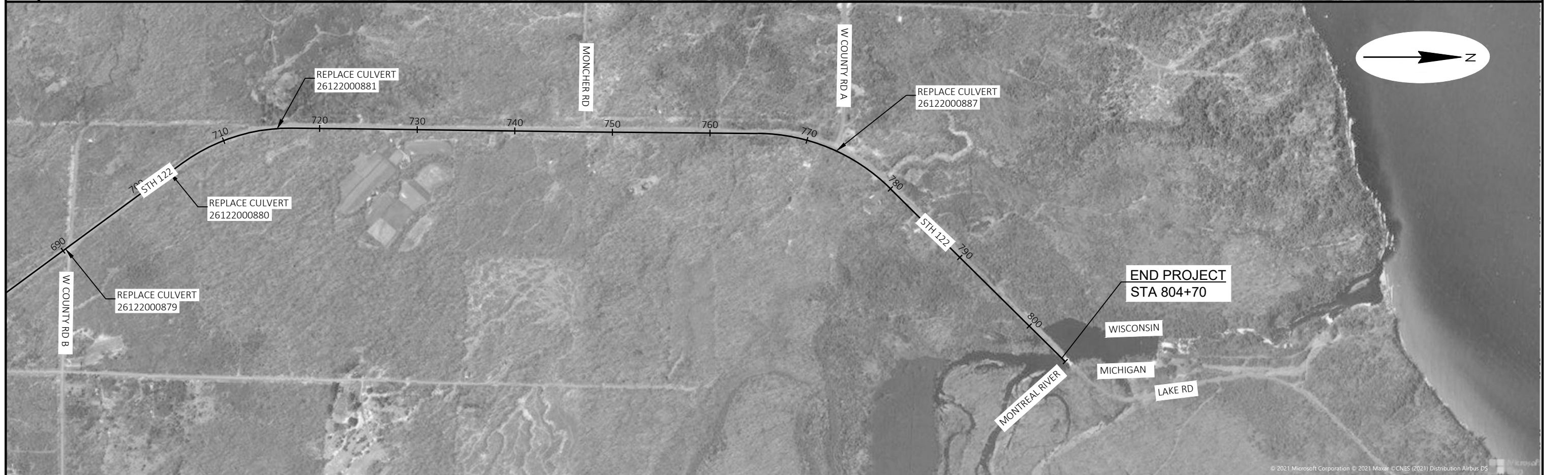
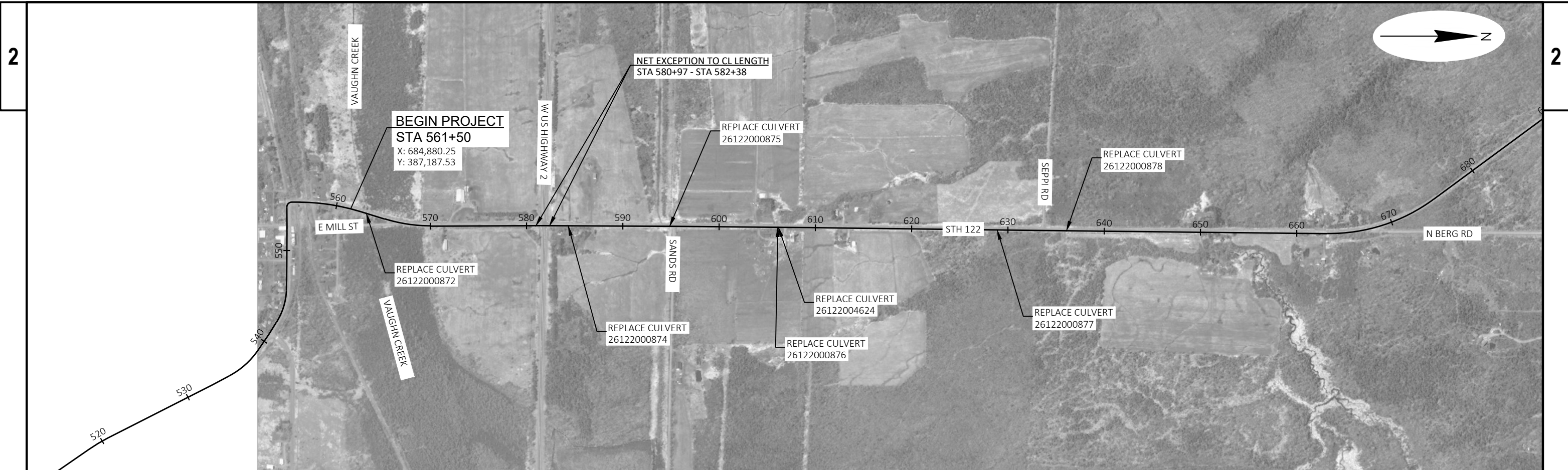
GAS/PETROLEUM

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 BRENNAN HENRY
 1751 LIBERTY ST
 IRONWOOD, MI 49938
 715-614-2410
 BRENNAN.J.HENRY@XCELENERGY.COM

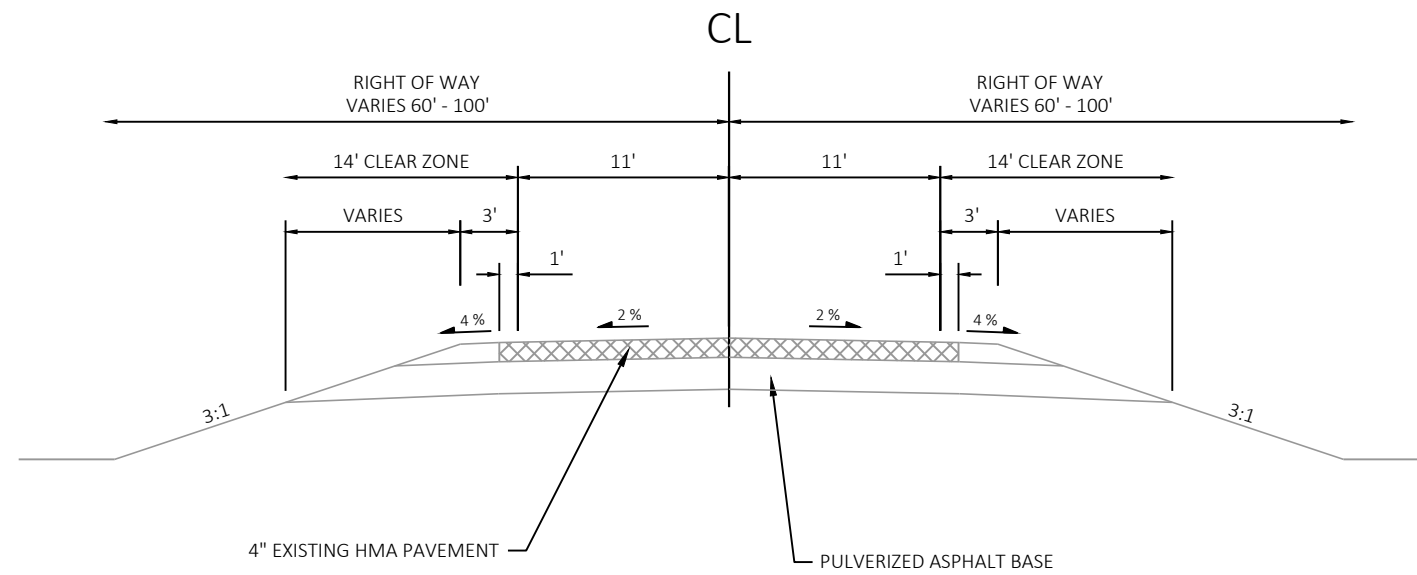
OTHER AGENCIES

WISDNR
 NORTHERN REGION
 JON SIMONSEN
 107 SUTLIFF
 RHINELANDER, WI 54501
 715-367-1936
 Jonathan.Simonsen@wisconsin.gov

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



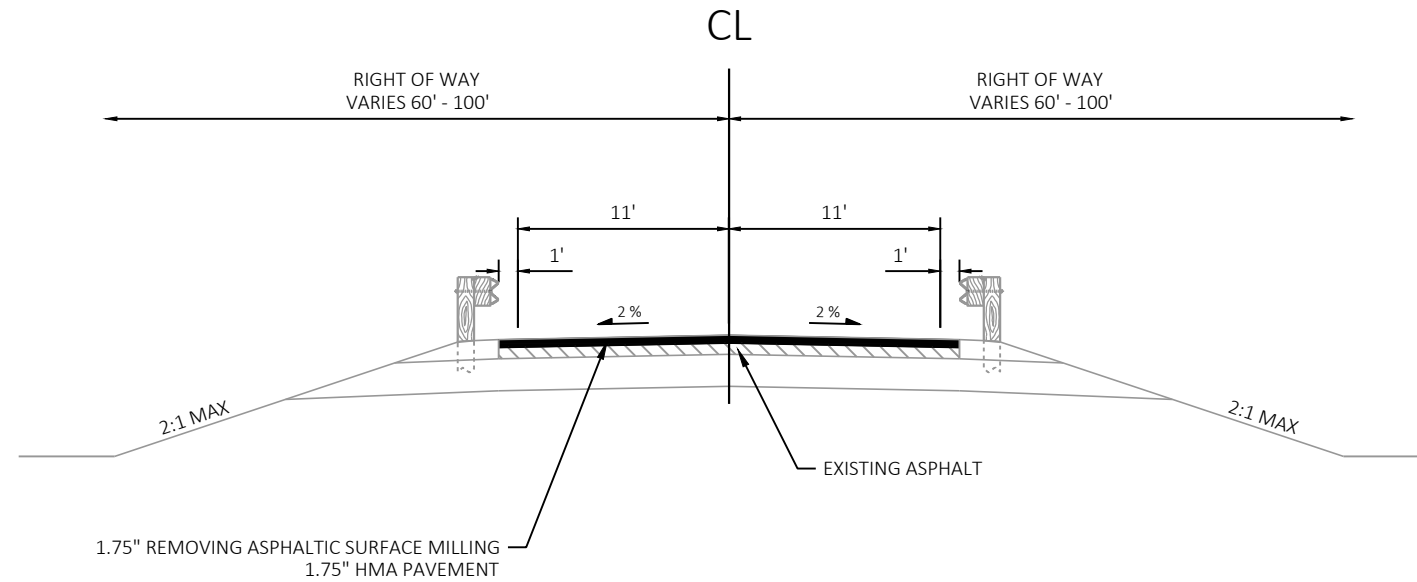
PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PROJECT OVERVIEW	SHEET	E
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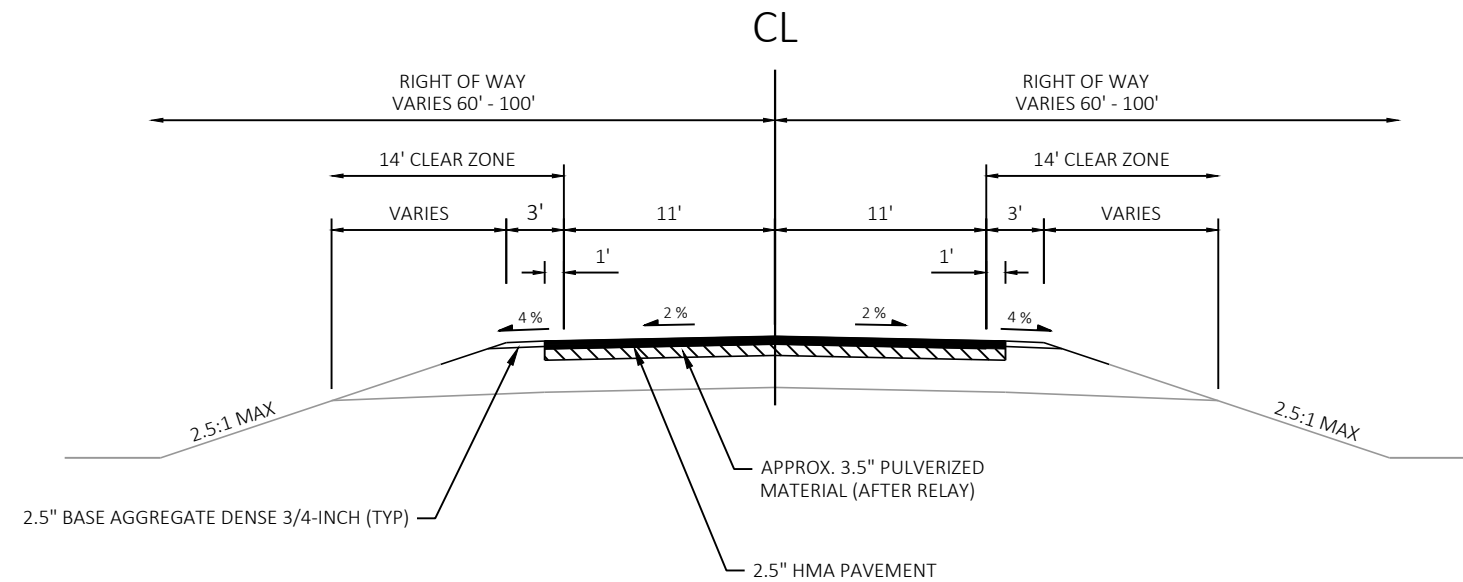
EXISTING TYPICAL SECTION

STA 561+50 - 580+97

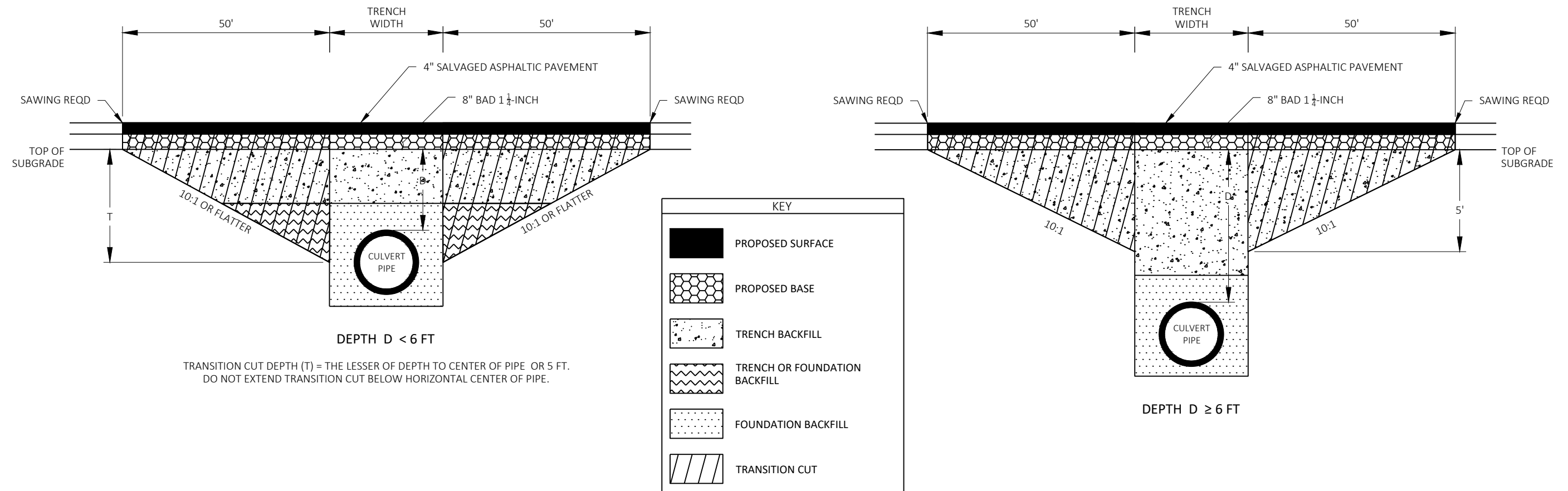
STA 582+38 - 804+70



FINISHED TYPICAL SECTION
STA 803+75 - 804+70



FINISHED TYPICAL SECTION
STA 561+50 - 580+97
STA 582+38 - 803+75

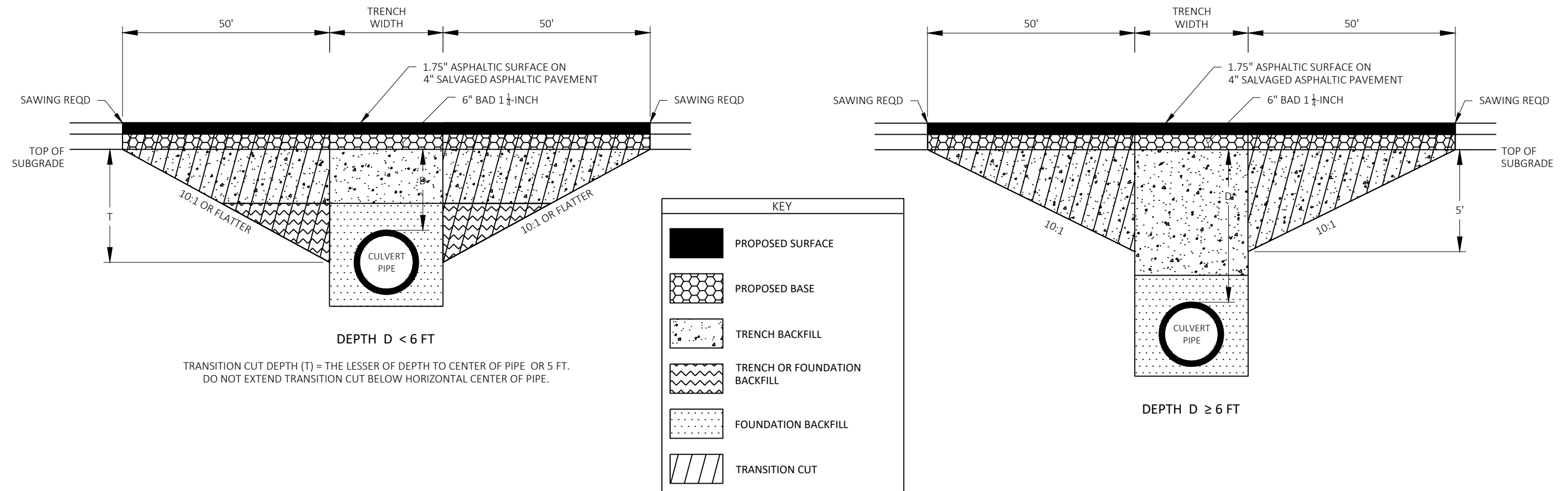


NOTES

- 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 OVERLAY.

CULVERT PIPE TRANSITION

ROUTE	STA (CL)	DEPTH D (FT)	PIPE DIA (IN)	REMARKS
STH 122	562+20	0.4	42	26122000872 (VAUGHN CREEK)
STH 122	584+34	0.9	36	26122000874
STH 122	594+80	0.7	29x45	26122000875
STH 122	606+09	1.4	(2) 36	26122000876 & 26122004624
STH 122	628+90	2.4	24	26122000877
STH 122	636+90	2.2	24	26122000878
STH 122	690+39	0.4	36	26122000879

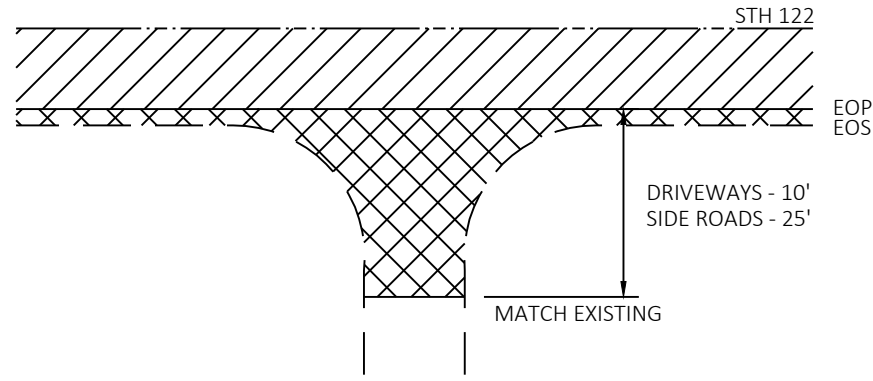




NOTES

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 PULVERIZE AND OVERLAY.

CULVERT PIPE TRANSITION

ROUTE	STA (CL)	DEPTH D (FT)	PIPE DIA (IN)	REMARKS
STH 122	703+59	3.4	24	26122000880
STH 122	715+65	5.6	36	26122000881
STH 122	773+25	1.3	24	26122000887



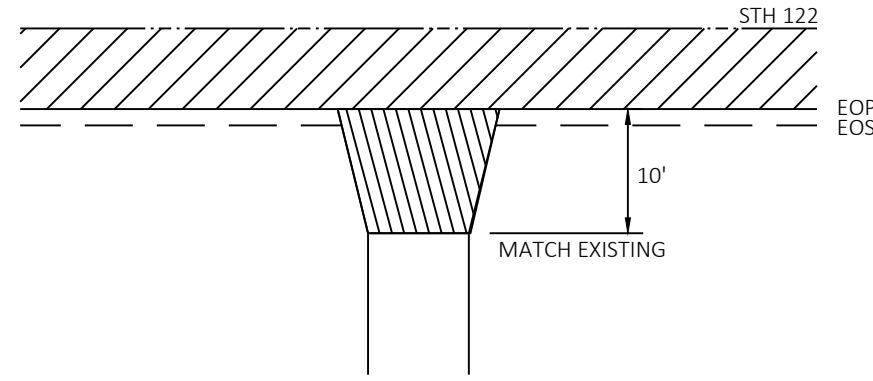
-  PULVERIZE & OVERLAY
-  BASE AGGREGATE DENSE 3/4-INCH



SIDE ROADS & DRIVEWAYS

UNPAVED

E MILL STREET
 SANDS ROAD
 SEPPI ROAD
 N BERG ROAD (NORTH & SOUTH)
 MONCHER ROAD
 OLD DENNIS CORNER ROAD (NORTH & SOUTH)

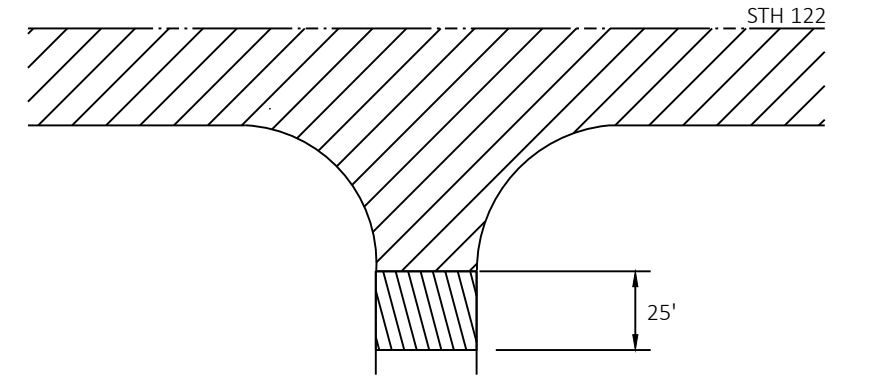
ALL EXISTING DRIVEWAYS
 ARE UNPAVED UNLESS
 OTHERWISE NOTED ON
 THE PLAN





-  PULVERIZE & OVERLAY
-  REMOVING ASPHALTIC SURFACE DRIVEWAYS 2" ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES

DRIVEWAYS

PAVED

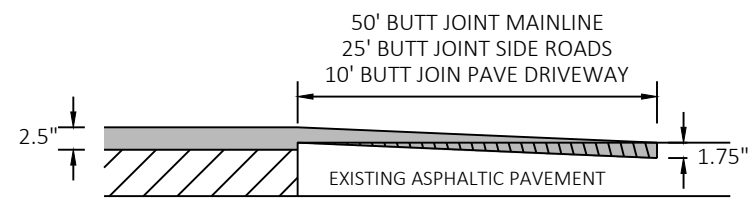





-  PULVERIZE & OVERLAY AT CTH B PAVEMENT REPLACEMENT AT CTH A
-  REMOVING ASPHALTIC SURFACE BUTT JOINTS SEE BUTT JOINT DETAIL

SIDE ROADS

PAVED

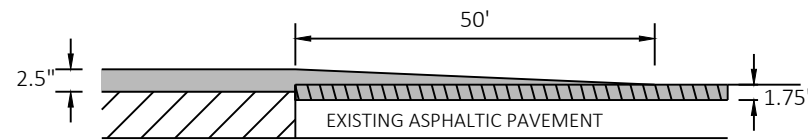
COUNTY HIGHWAY B
 COUNTY HIGHWAY A






-  HMA PAVEMENT
-  PULVERIZE
-  REMOVING ASPHALTIC SURFACE BUTT JOINTS

BUTT JOINT

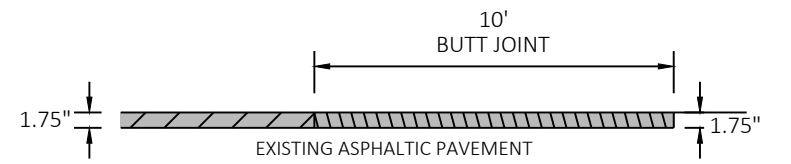
MAINLINE, SIDE ROADS, AND DRIVEWAYS






-  HMA PAVEMENT
-  PULVERIZE
-  REMOVING ASPHALTIC SURFACE MILLING

TRANSITION TO MILL

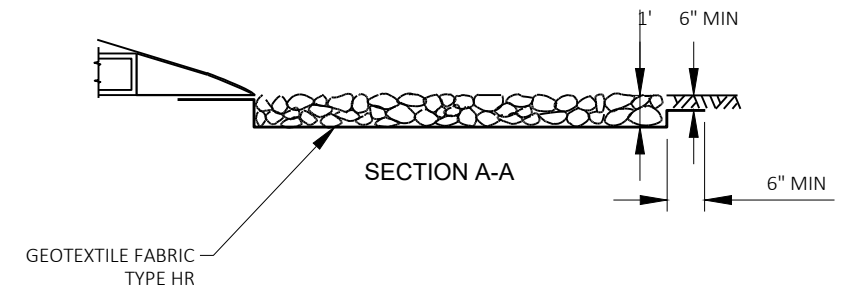
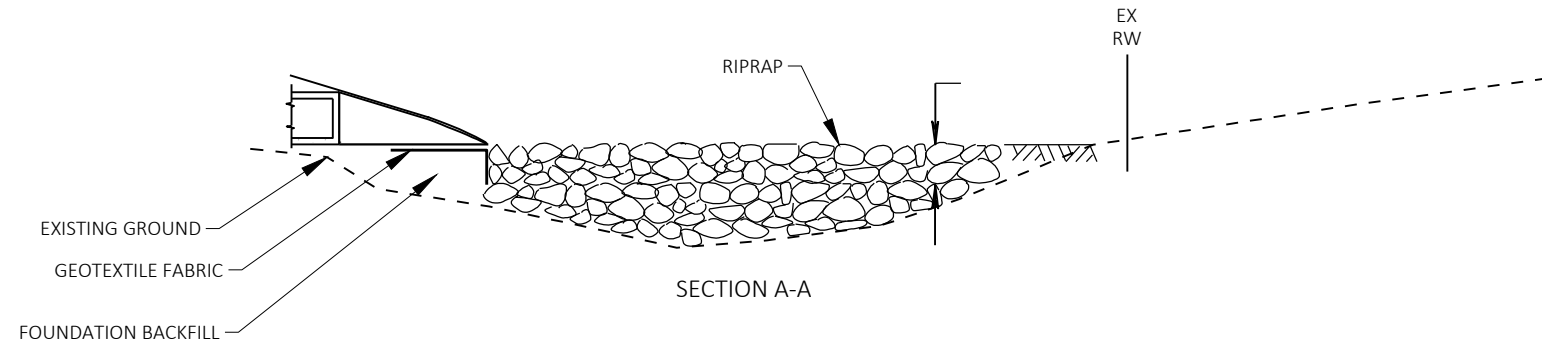
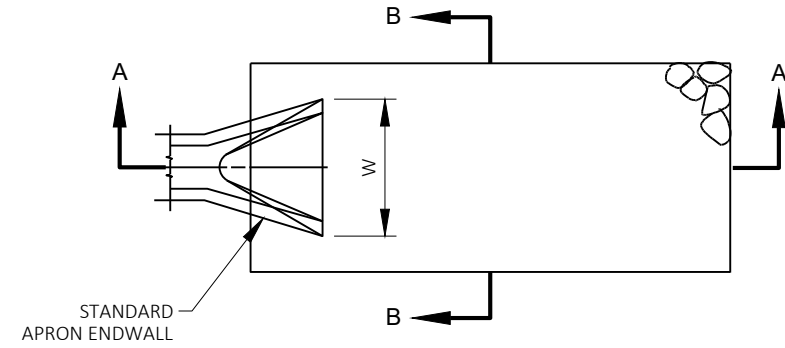
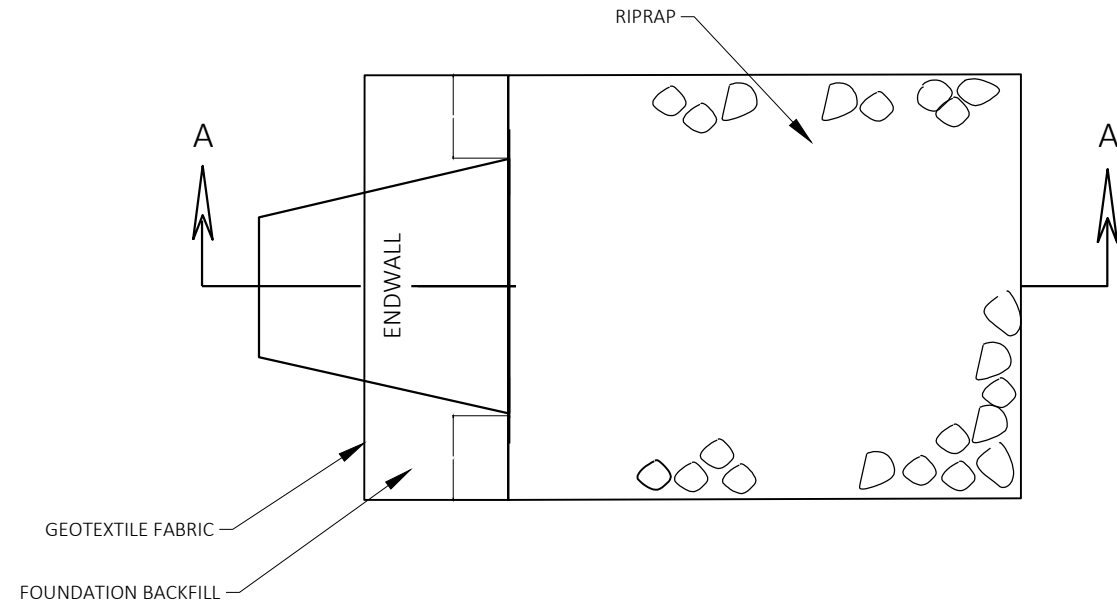
803+25 to 803+75



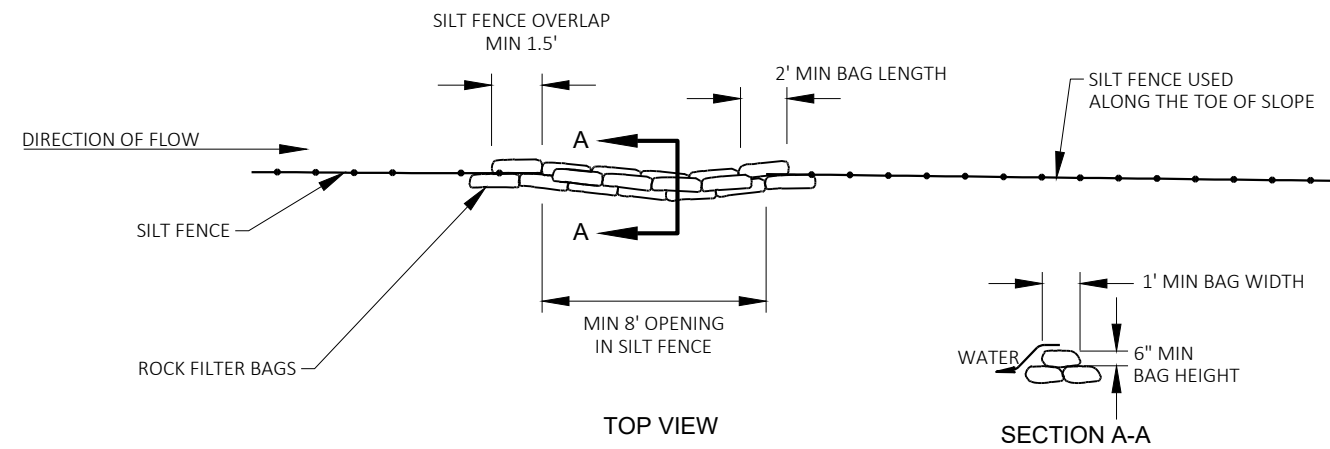
-  HMA PAVEMENT
-  REMOVING ASPHALTIC SURFACE MILLING
-  REMOVING ASPHALTIC SURFACE BUTT JOINTS

BUTT JOINT

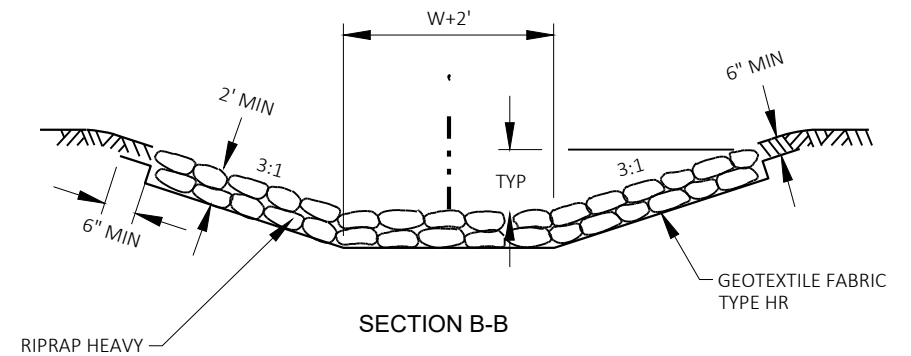
804+60 to 804+70



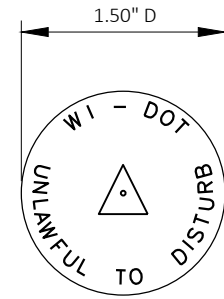
RIPRAP TREATMENT AT CULVERTS 878, 879, & 881



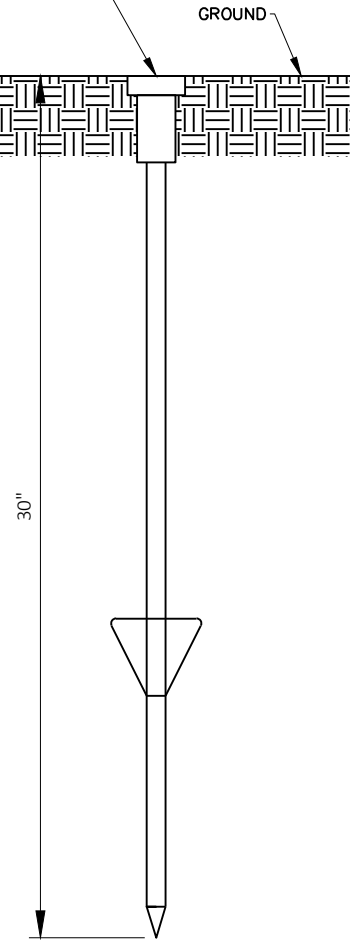
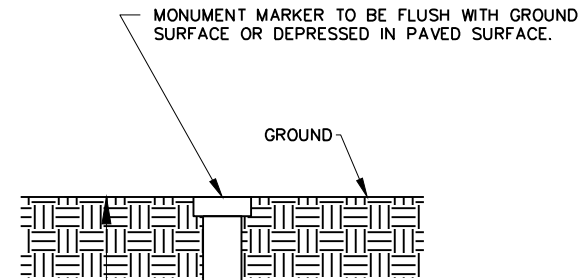
ROCK BAGS USED FOR SILT FENCE RELIEF



RIP RAP AND GEOTEXTILE CULVERT 624 & 876

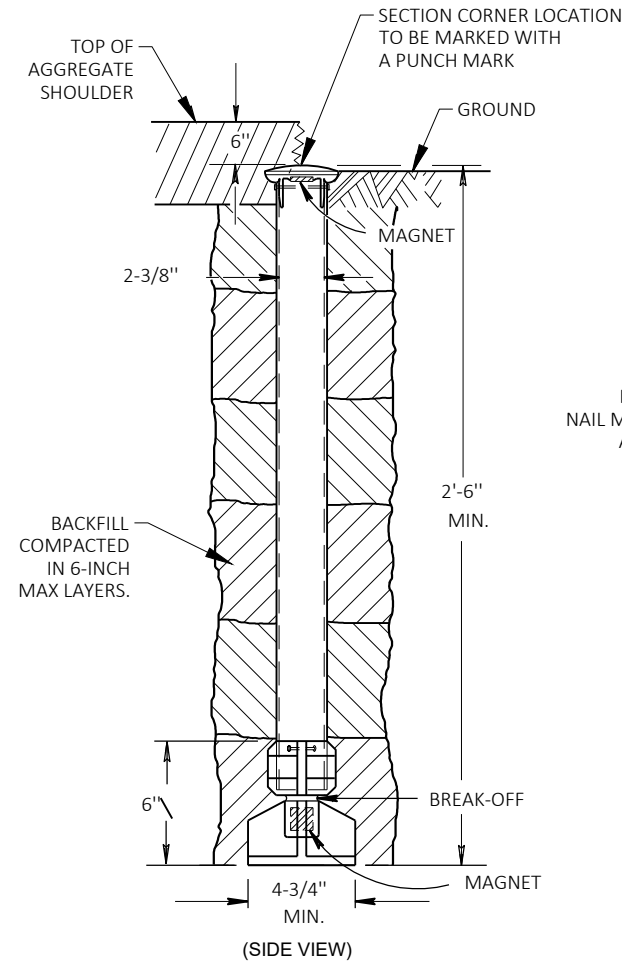


WIS DOT MONUMENT CAP MARKER LOGO (SSDR130)
 CONTRACTOR TO ORDER LANDMARK REFERENCE MONUMENTS WITH THE ABOVE STAMPING



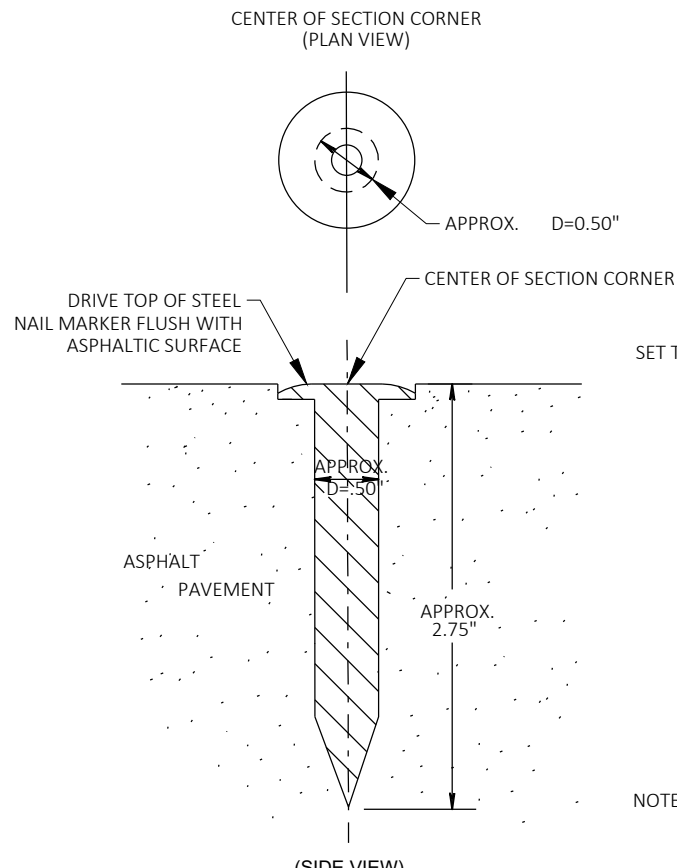
(FRONT VIEW)

BERNSTEN DRIVABLE MONUMENT SSDR130
 LANDMARK REFERENCE MONUMENT (TIES ONLY)



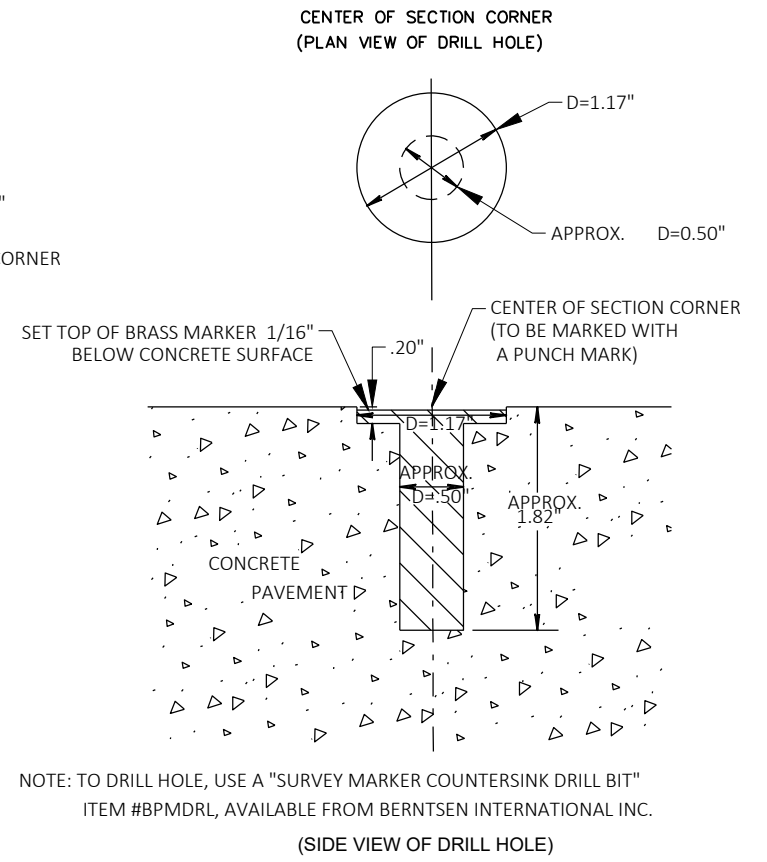
(SIDE VIEW)

BERNTSEN A1BR30 ALUMINUM BREAK-OFF MONUMENT



(SIDE VIEW)

BERNTSEN SNM1 STEEL NAIL MARKER



(SIDE VIEW OF DRILL HOLE)

BERNTSEN BP - 1 BRASS MARKER WITH ANCHOR PLUG

SECTION CORNER MONUMENTS

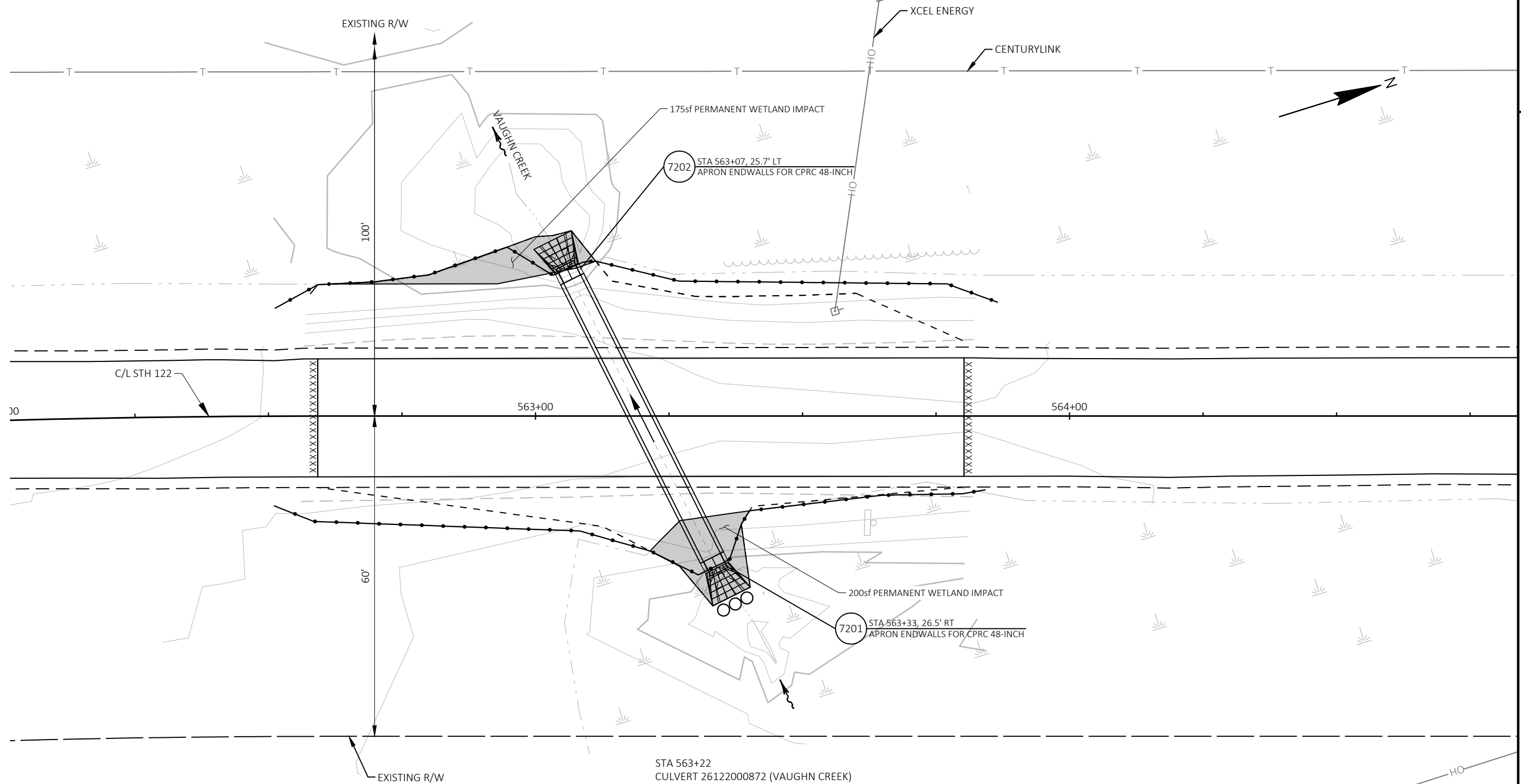
GENERAL NOTES

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.

LOCATE LANDMARK REFERENCE MONUMENTS OUTSIDE THE CONSTRUCTION LIMITS AND WITHIN WISDOT RIGHT OF WAY. LOCATION TO BE APPROVED BY THE ENGINEER.

CONTRACTOR WILL SUPPLY ALL REQUIRED SURVEY MONUMENTS.

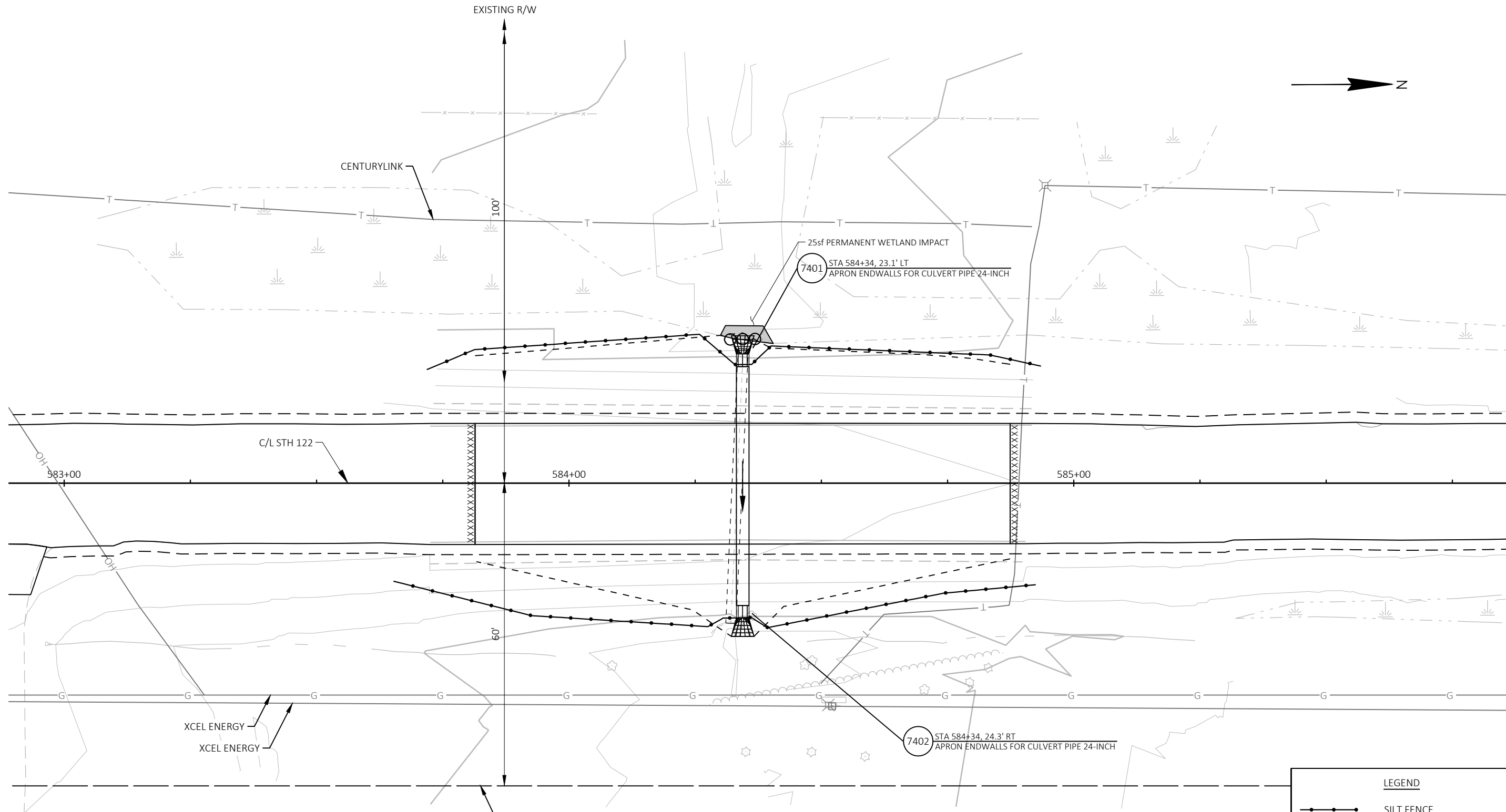
SECTION CORNER MONUMENT AND LANDMARK REFERENCE MONUMENT DETAIL



STA 563+22
 CULVERT 26122000872 (VAUGHN CREEK)
 REMOVE 1-26"x45" CMP
 58 LF-CPRC CLASS IV 48-INCH REQ'D
 2-APRON ENDWALLS FOR CPRC 48-INCH REQ'D
 27° RHF
 2-MARKERS FOR CULVERT END REQ'D

LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT

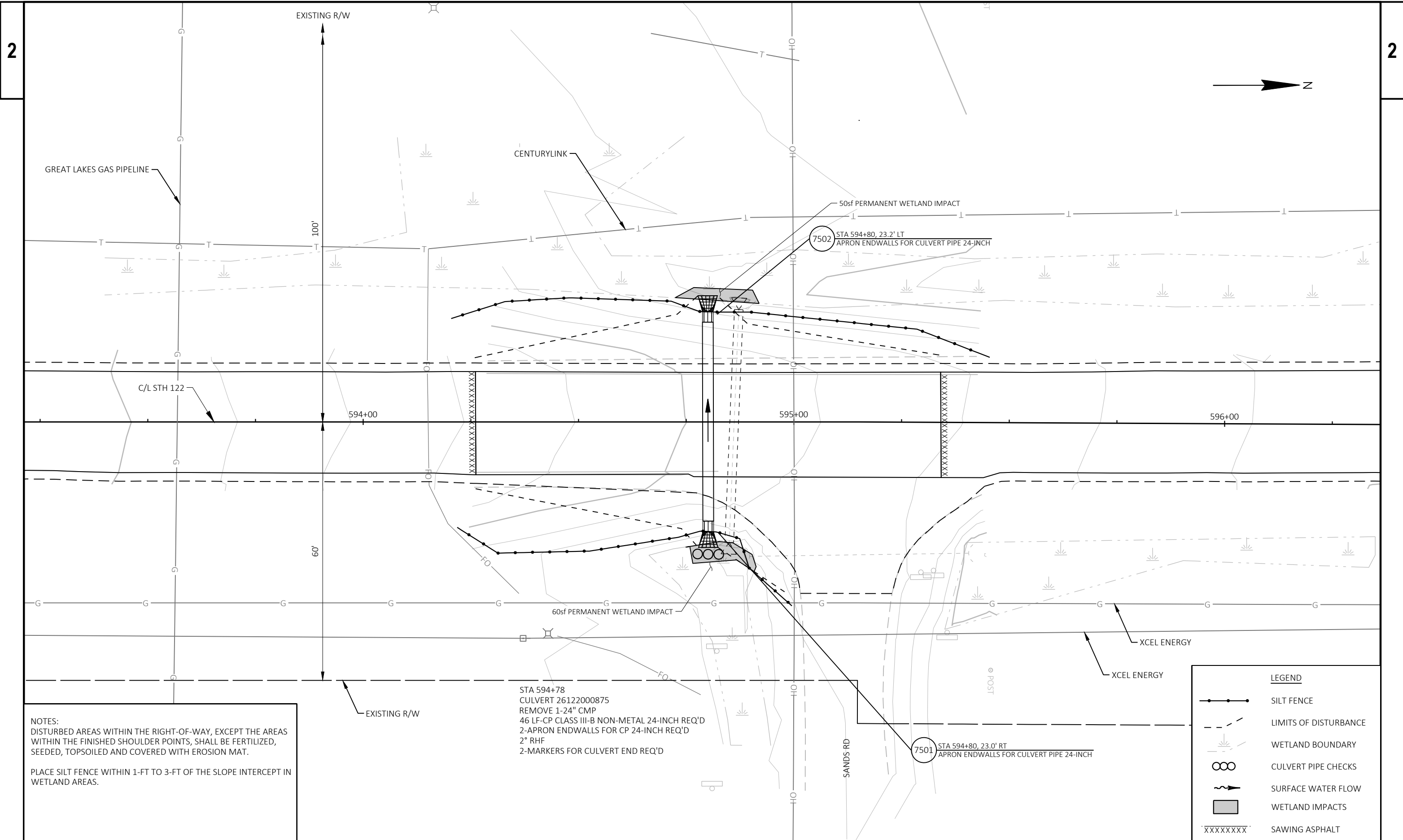
NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

STA 584+33
 CULVERT 26122000874
 REMOVE 1-24" CMP
 45 LF-CP CLASS III-B NON-METAL 24-INCH REQ'D
 2-APRON ENDWALLS FOR CP 24-INCH REQ'D
 0° SKEW
 2-MARKERS FOR CULVERT END REQ'D

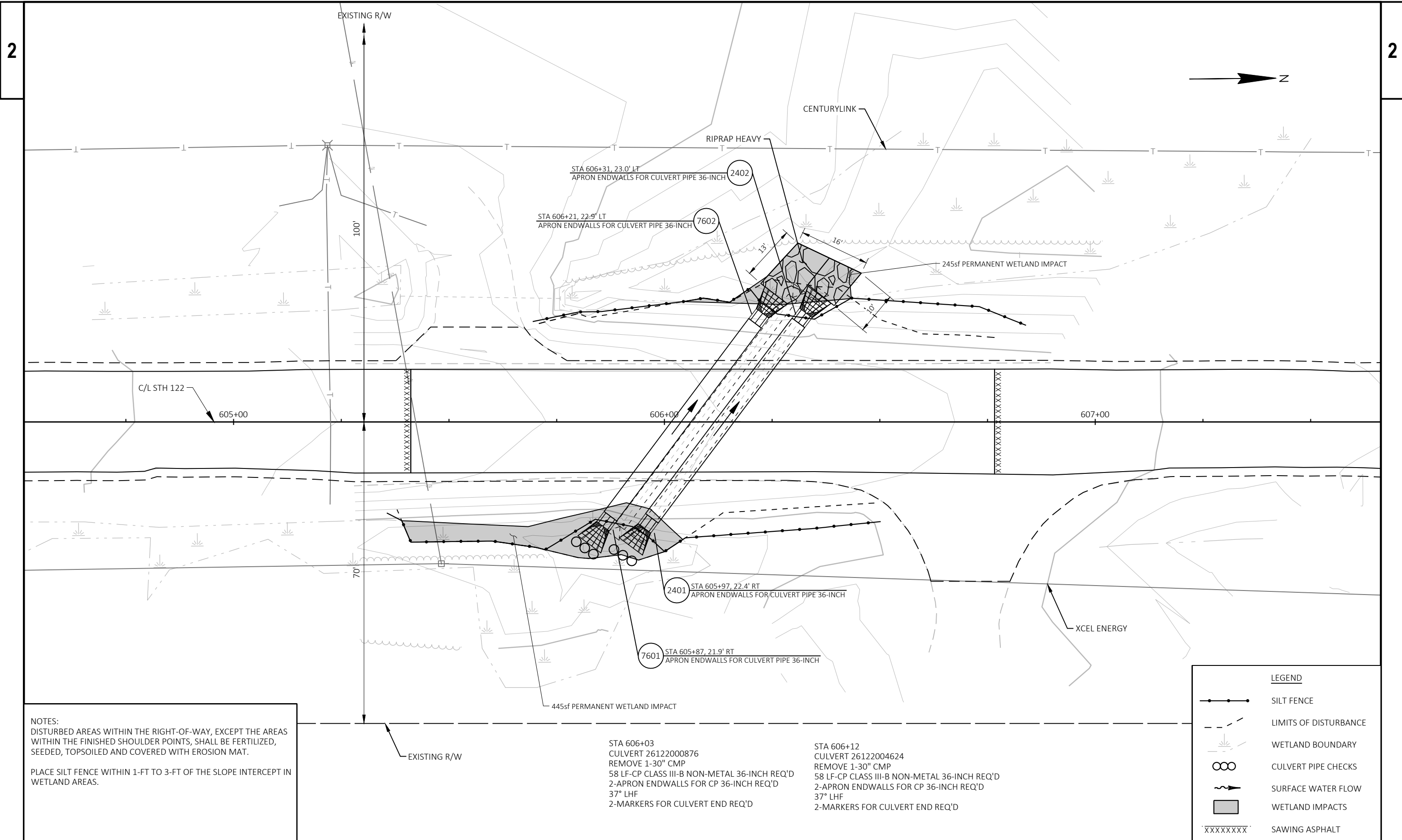
LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

STA 594+78
 CULVERT 26122000875
 REMOVE 1-24" CMP
 46 LF-CP CLASS III-B NON-METAL 24-INCH REQ'D
 2-APRON ENDWALLS FOR CP 24-INCH REQ'D
 2° RHF
 2-MARKERS FOR CULVERT END REQ'D

LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT

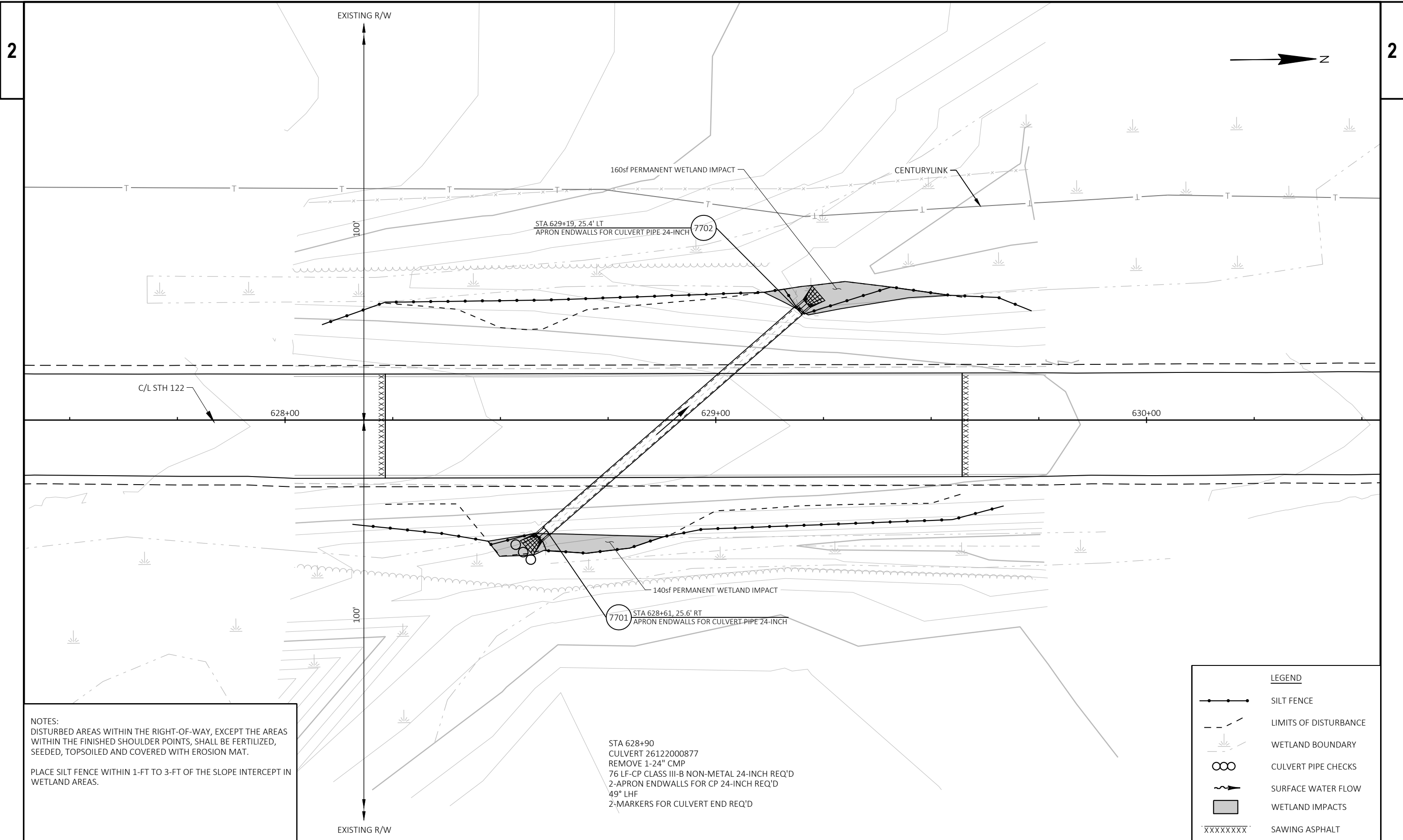


NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

STA 606+03
 CULVERT 26122000876
 REMOVE 1-30" CMP
 58 LF-CP CLASS III-B NON-METAL 36-INCH REQ'D
 2-APRON ENDWALLS FOR CP 36-INCH REQ'D
 37° LHF
 2-MARKERS FOR CULVERT END REQ'D

STA 606+12
 CULVERT 26122004624
 REMOVE 1-30" CMP
 58 LF-CP CLASS III-B NON-METAL 36-INCH REQ'D
 2-APRON ENDWALLS FOR CP 36-INCH REQ'D
 37° LHF
 2-MARKERS FOR CULVERT END REQ'D

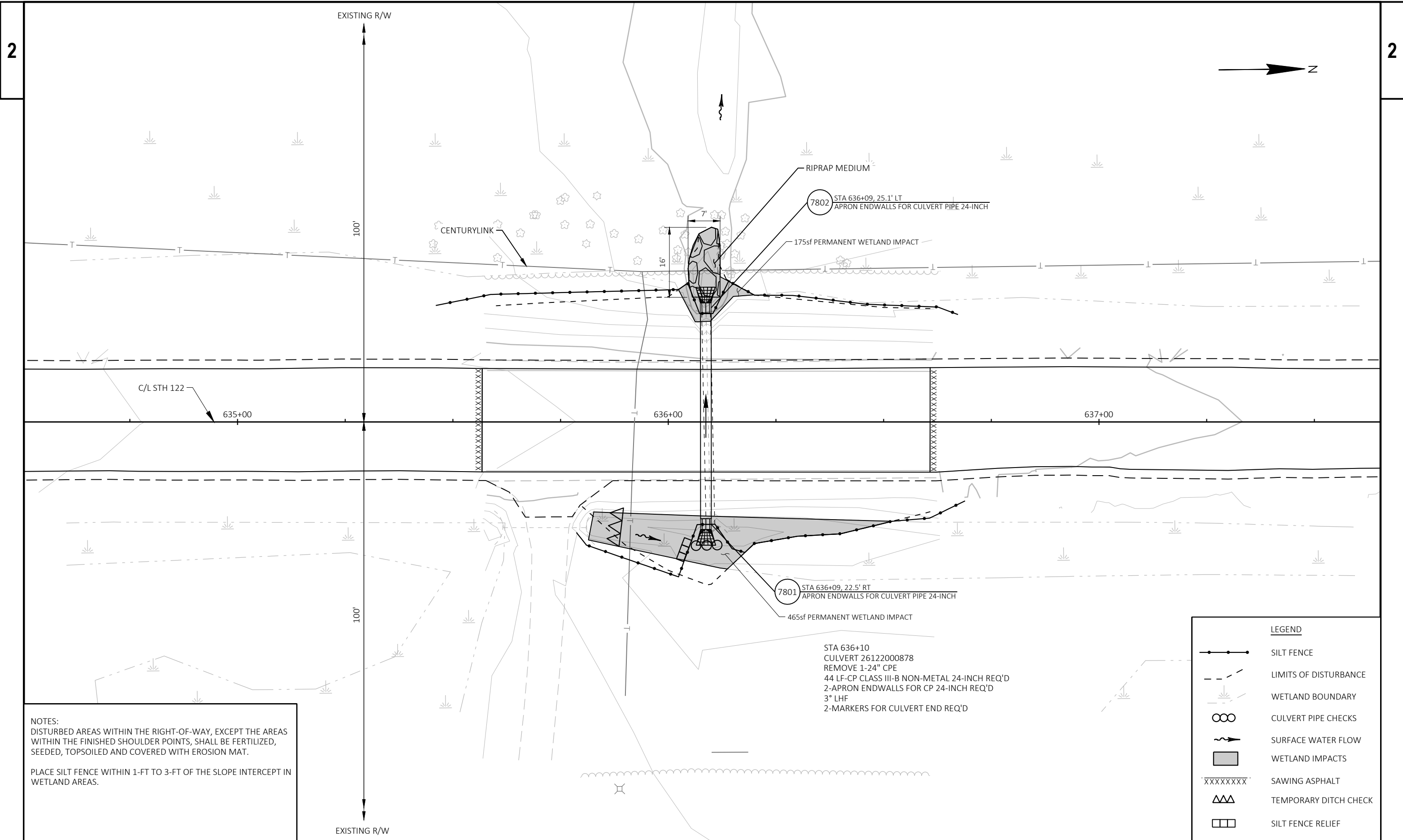
LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

STA 628+90
 CULVERT 26122000877
 REMOVE 1-24" CMP
 76 LF-CP CLASS III-B NON-METAL 24-INCH REQ'D
 2-APRON ENDWALLS FOR CP 24-INCH REQ'D
 49° LHF
 2-MARKERS FOR CULVERT END REQ'D

LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

7802 STA 636+09, 25.1' LT
 APRON ENDWALLS FOR CULVERT PIPE 24-INCH

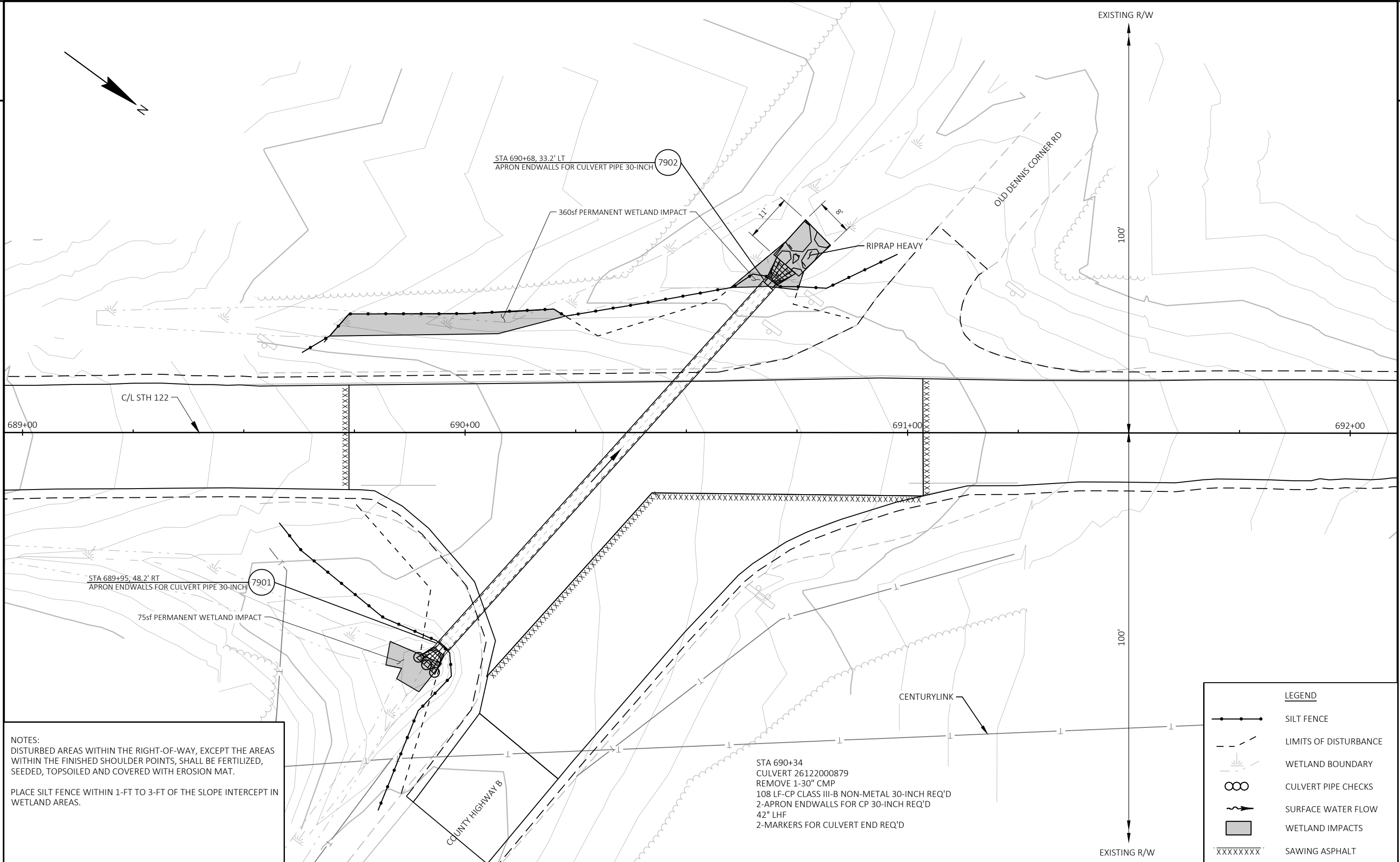
175sf PERMANENT WETLAND IMPACT

7801 STA 636+09, 22.5' RT
 APRON ENDWALLS FOR CULVERT PIPE 24-INCH

465sf PERMANENT WETLAND IMPACT

STA 636+10
 CULVERT 26122000878
 REMOVE 1-24" CPE
 44 LF-CP CLASS III-B NON-METAL 24-INCH REQ'D
 2-APRON ENDWALLS FOR CP 24-INCH REQ'D
 3° LHF
 2-MARKERS FOR CULVERT END REQ'D

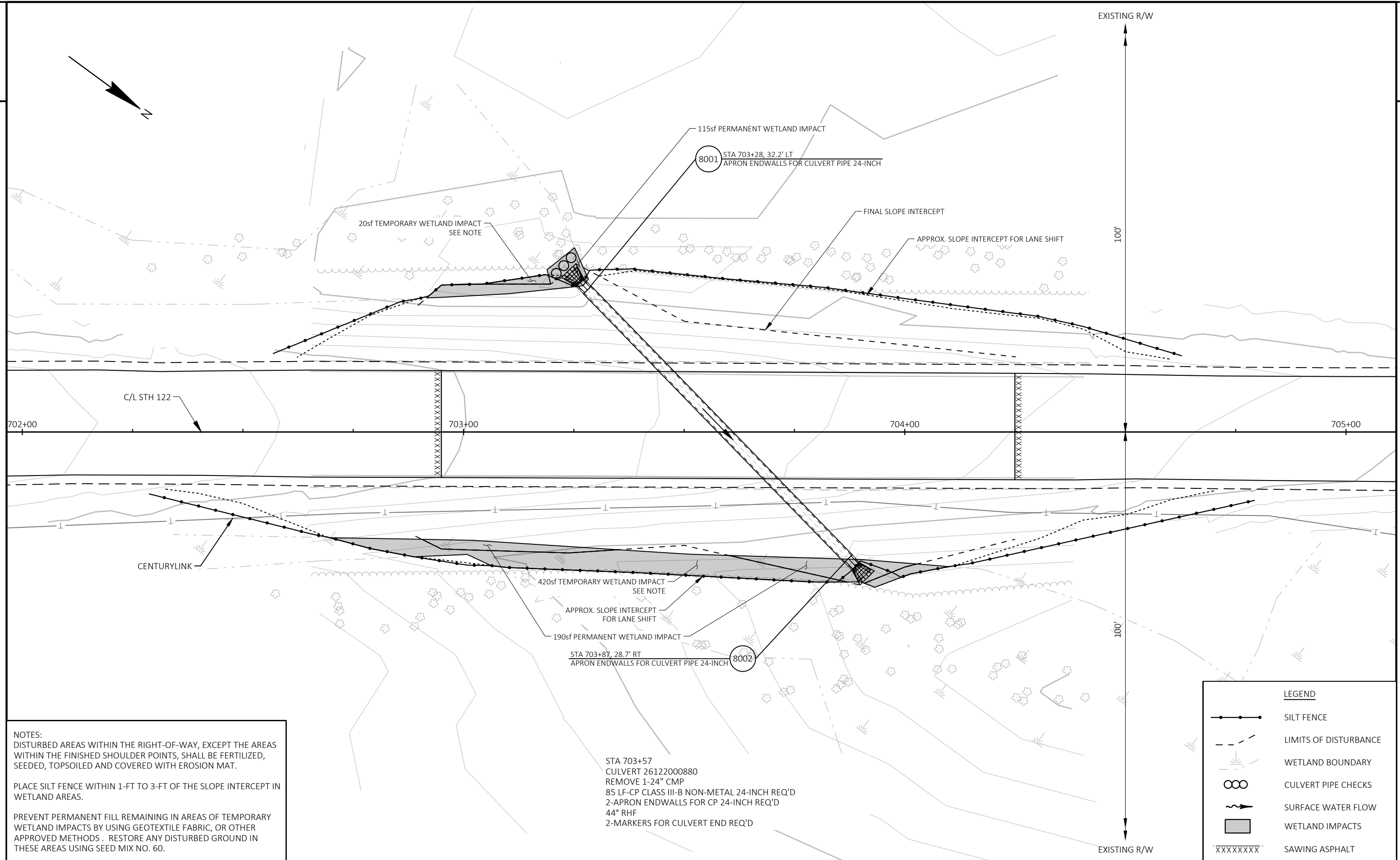
LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT
	TEMPORARY DITCH CHECK
	SILT FENCE RELIEF



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

STA 690+34
 CULVERT 26122000879
 REMOVE 1-30" CMP
 108 LF-CP CLASS III-B NON-METAL 30-INCH REQ'D
 2-APRON ENDWALLS FOR CP 30-INCH REQ'D
 42" LHF
 2-MARKERS FOR CULVERT END REQ'D

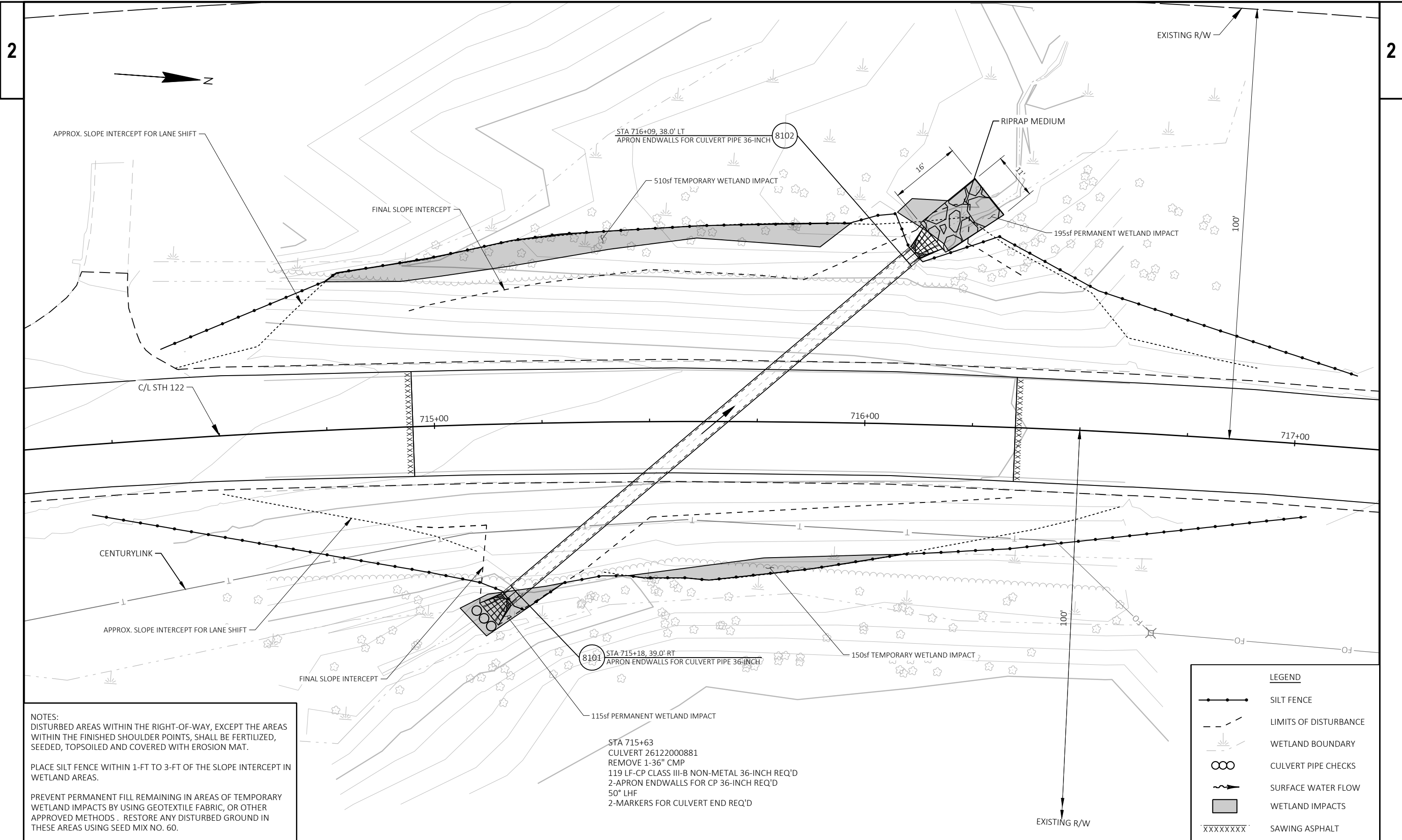
LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.
 PREVENT PERMANENT FILL REMAINING IN AREAS OF TEMPORARY WETLAND IMPACTS BY USING GEOTEXTILE FABRIC, OR OTHER APPROVED METHODS. RESTORE ANY DISTURBED GROUND IN THESE AREAS USING SEED MIX NO. 60.

STA 703+57
 CULVERT 26122000880
 REMOVE 1-24" CMP
 85 LF-CP CLASS III-B NON-METAL 24-INCH REQ'D
 2-APRON ENDWALLS FOR CP 24-INCH REQ'D
 44° RHF
 2-MARKERS FOR CULVERT END REQ'D

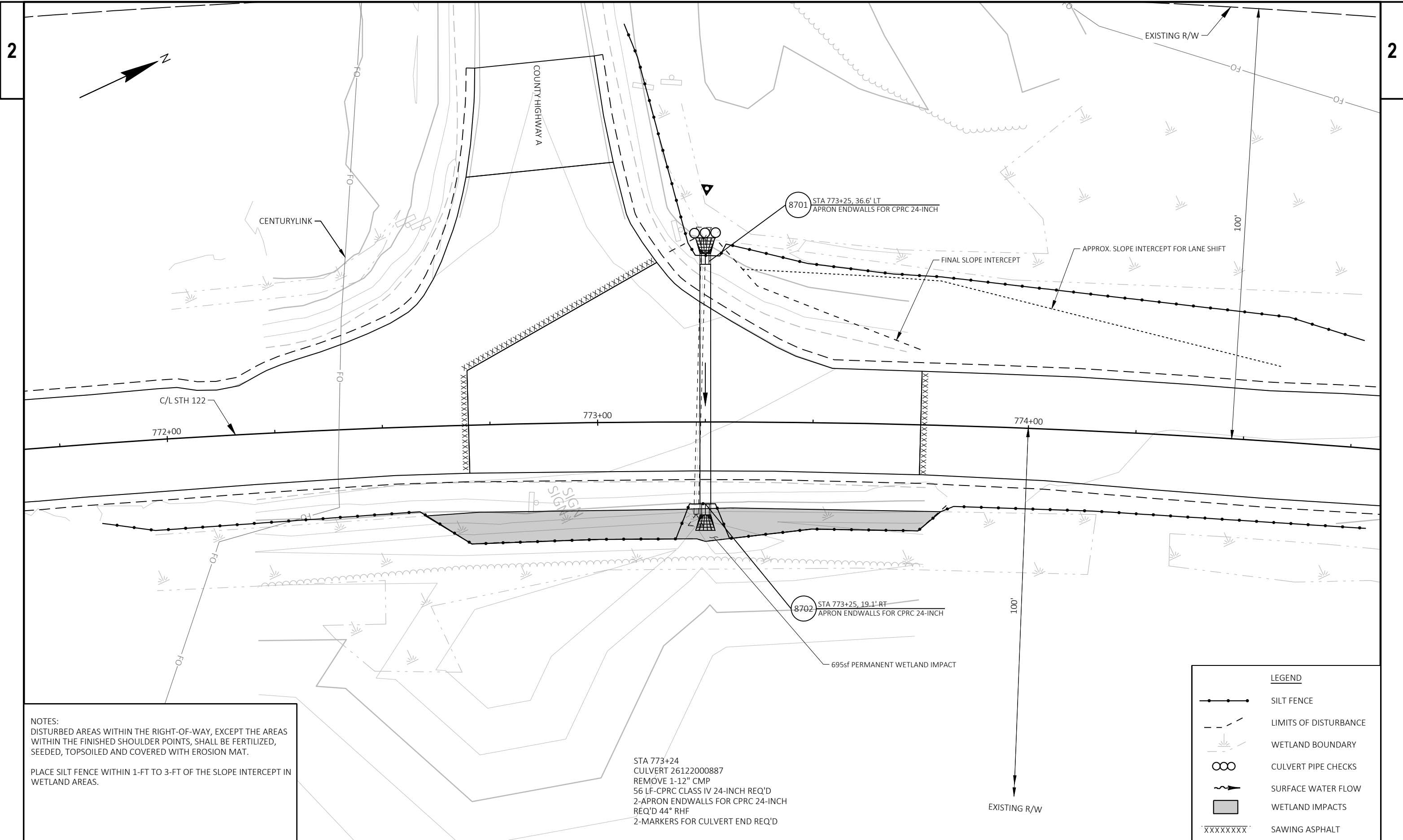
LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT



NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.
 PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.
 PREVENT PERMANENT FILL REMAINING IN AREAS OF TEMPORARY WETLAND IMPACTS BY USING GEOTEXTILE FABRIC, OR OTHER APPROVED METHODS. RESTORE ANY DISTURBED GROUND IN THESE AREAS USING SEED MIX NO. 60.

STA 715+63
 CULVERT 26122000881
 REMOVE 1-36" CMP
 119 LF-CP CLASS III-B NON-METAL 36-INCH REQ'D
 2-APRON ENDWALLS FOR CP 36-INCH REQ'D
 50° LHF
 2-MARKERS FOR CULVERT END REQ'D

LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT

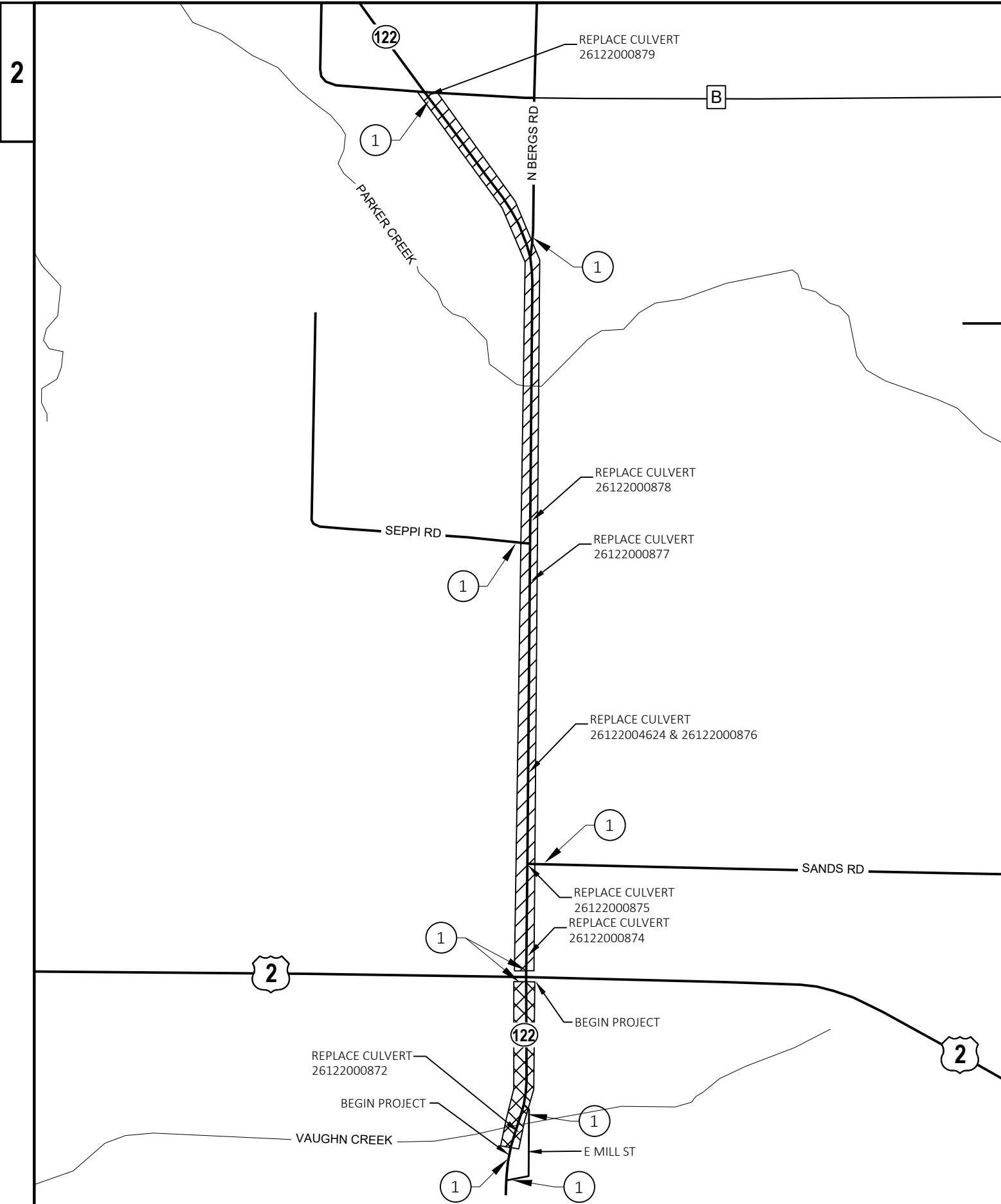




NOTES:
 DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, SHALL BE FERTILIZED, SEEDED, TOPSOILED AND COVERED WITH EROSION MAT.

PLACE SILT FENCE WITHIN 1-FT TO 3-FT OF THE SLOPE INTERCEPT IN WETLAND AREAS.

STA 773+24
 CULVERT 26122000887
 REMOVE 1-12" CMP
 56 LF-CPRC CLASS IV 24-INCH REQ'D
 2-APRON ENDWALLS FOR CPRC 24-INCH
 REQ'D 44" RHF
 2-MARKERS FOR CULVERT END REQ'D

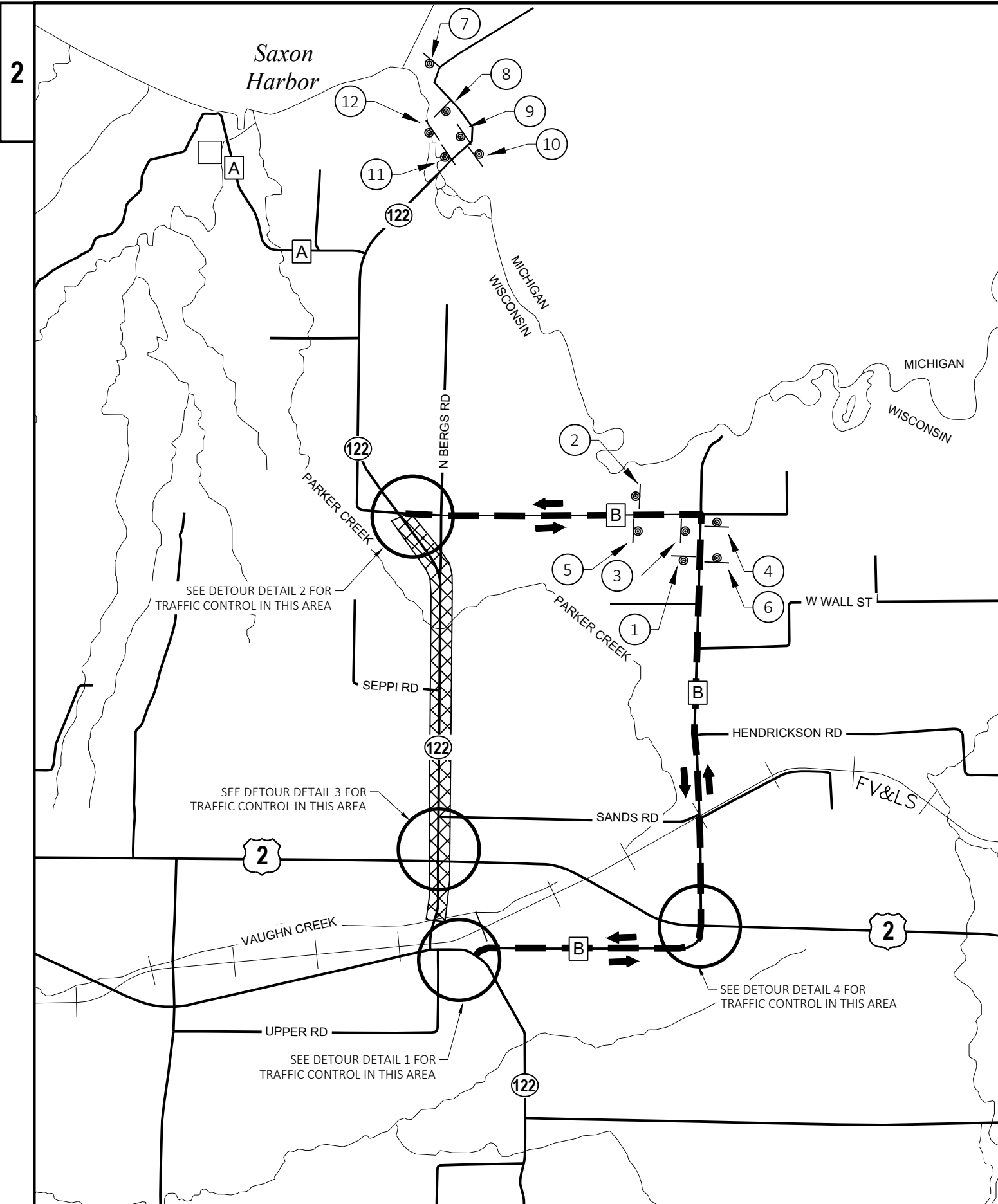
LEGEND	
	SILT FENCE
	LIMITS OF DISTURBANCE
	WETLAND BOUNDARY
	CULVERT PIPE CHECKS
	SURFACE WATER FLOW
	WETLAND IMPACTS
	SAWING ASPHALT



LEGEND:
 WORK ZONE CLOSED TO TRAFFIC FOLLOW DETOUR "A" PLAN
 WORK ZONE CLOSED TO TRAFFIC FOLLOW DETOUR "B" PLAN

NOTES:
 WORK FROM THE BEGINNING OF THE PROJECT TO USH 2 TO BE COMPLETED WITH TRAFFIC FOLLOWING DETOUR "A" PLAN.
 CULVERT 26122000872 (VAUGHN CREEK) TO BE REPLACED WITH THROUGH TRAFFIC FOLLOWING DETOUR "A" PLAN.
 WORK FROM USH 2 TO THE NORTHERN INTERSECTION WITH CTH B TO BE COMPLETED WITH TRAFFIC FOLLOWING DETOUR "B" PLAN.
 WHILE CULVERTS SHOWN ON THIS EXHIBIT ARE BEING REPLACED THE ROADWAY WORK ZONE WILL BE CLOSED TO TRAFFIC WITH BARRICADES PLACED ACROSS THE ROADWAY APPROXIMATELY 100' BEYOND THE WORKING LIMITS USING BARRICADES ACCORDING TO DETAIL D OF THE STANDARD DETAIL DRAWING FOR BARRICADES AND SIGNS FOR VARIOUS CLOSURES.
 MAINTAIN ACCESS FOR RESIDENTS AND EMERGENCY SERVICES AT ALL TIMES. TO FACILITATE ACCESS THE ROAD AT THE FOLLOWING CULVERT COMBINATIONS CANNOT BE FULLY CLOSED AT THE SAME TIME:
 1. 26122000874 & 875
 2. ANY COMBINATION OF 26122004624/26122000876, 877, AND 878
 CULVERTS 26122000880, 881, & 887 (NOT SHOWN ON THIS DETAIL) ARE NORTH OF CTH B AND WILL BE REPLACED FOLLOWING THE STANDARD DETAIL FOR TRAFFIC CONTROL, LANE SHIFT IN FLAGGING OPERATION.
 SEE DETOUR "A" PLAN FOR ADVANCE SIGNAGE.

①
 INSTALL TWO STAGGERED BARRICADES FOLLOWING DETAIL E OF THE STANDARD DETAIL DRAWINGS FOR BARRICADES AND SIGNS FOR VARIOUS CLOSURES



- LEGEND:**
- TYPE III BARRICADE WITH ATTACHED SIGN
 - TYPE III BARRICADE
 - SIGN ON PERMANENT SUPPORT
 - DIRECTION OF DETOURED TRAFFIC
 - DETOUR ROUTE
 - EXISTING SIGN
 - EXISTING SIGN TO BE COVERED
 - WORK ZONE CLOSED TO TRAFFIC

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. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A 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.

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

SEE STANDARD DETAIL DRAWING (SDD), "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "DETOUR SIGNING FOR MAINLINE CLOSURES", FOR SIGN SPACING, BARRICADE LOCATIONS AND OTHER DETAILS.

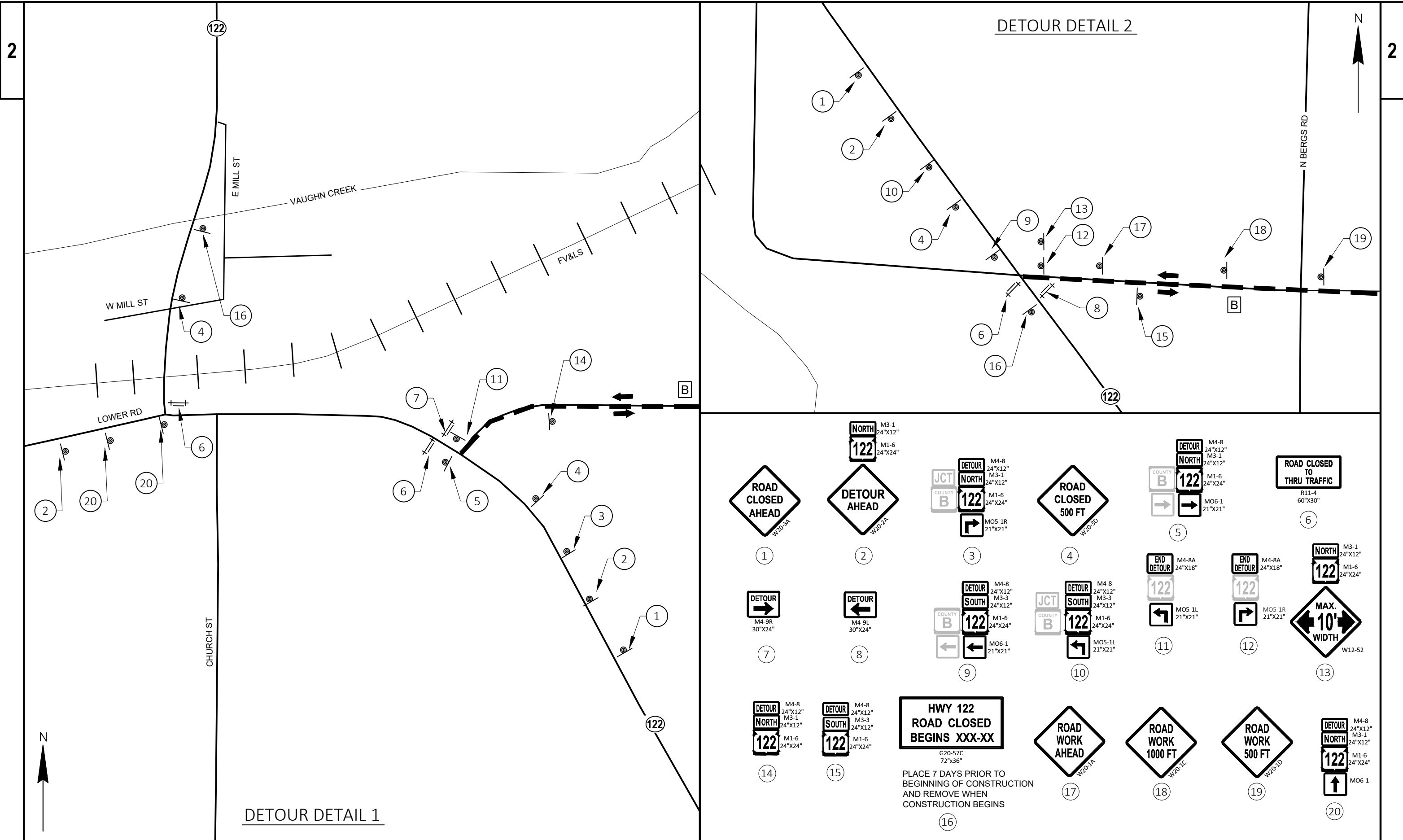
ALL SIGNS 48" X 48" UNLESS OTHERWISE NOTED.

DO NOT PLACE ANY TRAFFIC CONTROL SIGNS WITHIN 50 FEET OF RAILROAD RIGHT OF WAY.

 1	 2	 3	 4	 5	 6	 7	 8	 9	 10
 11		 12							

PLACE 7 DAYS PRIOR TO BEGINNING OF CONSTRUCTION AND REMOVE WHEN CONSTRUCTION BEGINS

PLACE ALONG DETOUR AS REQUIRED



PROJECT NO: 9303-03-72

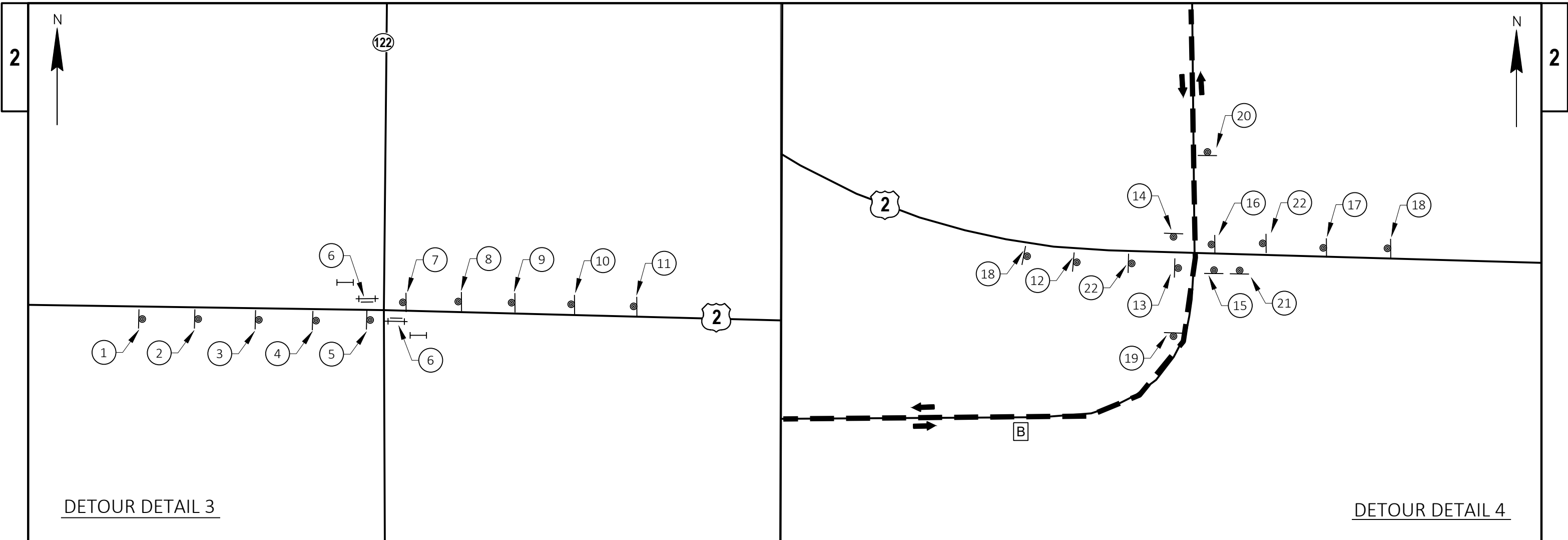
HWY: STH 122

COUNTY: IRON

DETOUR "A" PLAN

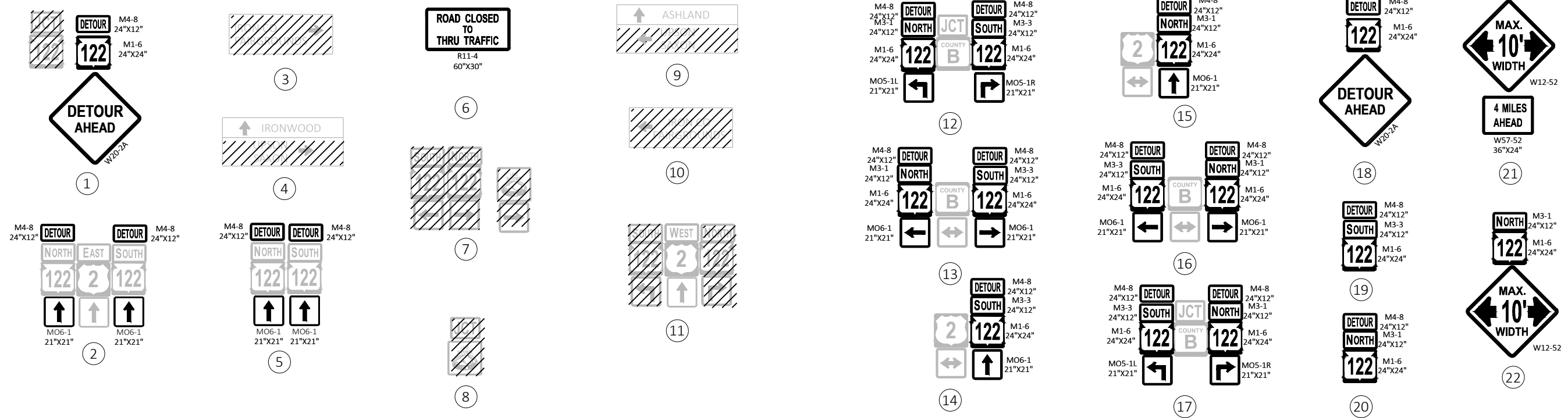
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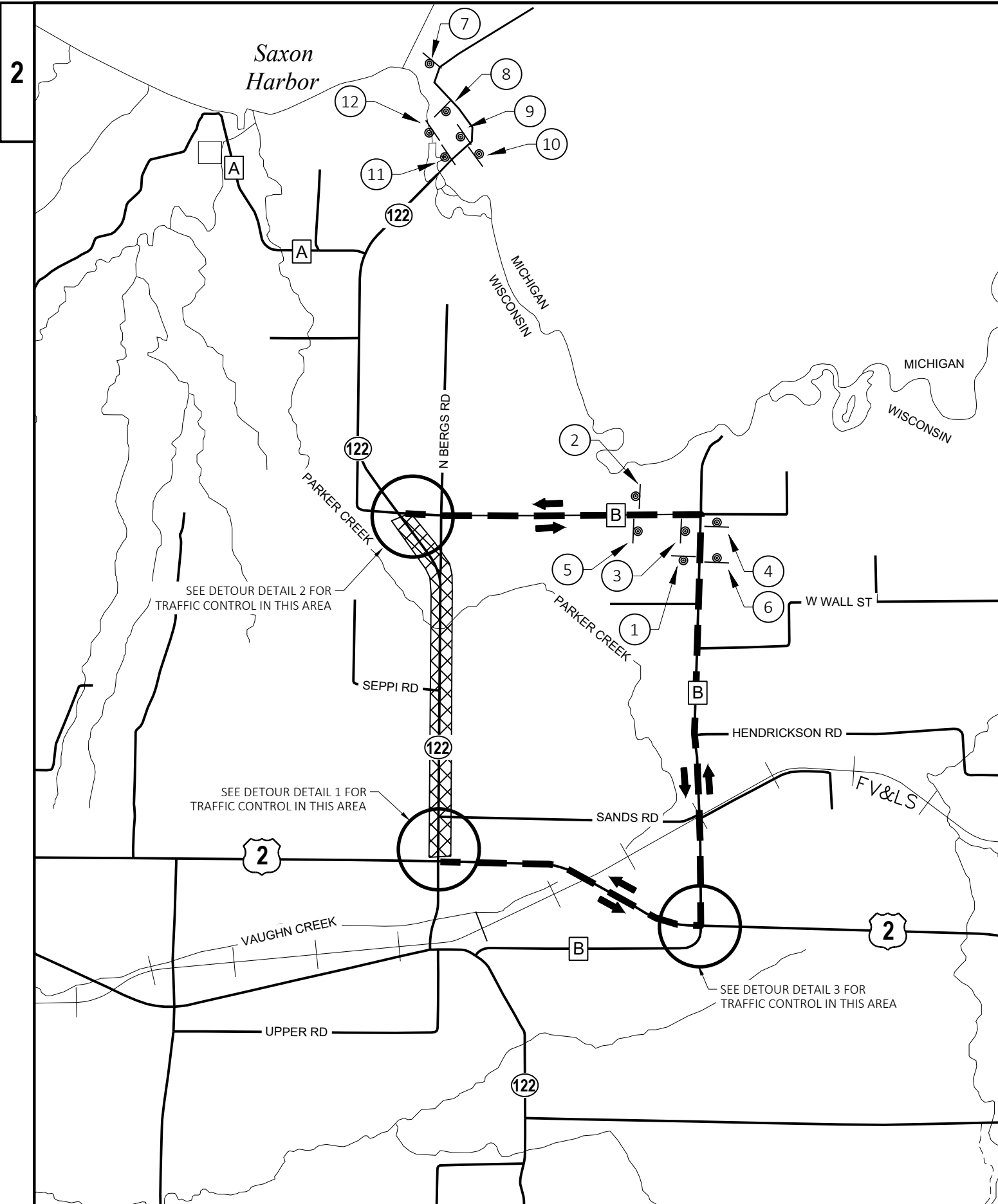
E



DETOUR DETAIL 3

DETOUR DETAIL 4





- LEGEND:**
- TYPE III BARRICADE WITH ATTACHED SIGN
 - TYPE III BARRICADE
 - SIGN ON PERMANENT SUPPORT
 - DIRECTION OF DETOURED TRAFFIC
 - DETOUR ROUTE
 - EXISTING SIGN
 - EXISTING SIGN TO BE COVERED
 - WORK ZONE CLOSED TO TRAFFIC

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. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A 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.

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

SEE STANDARD DETAIL DRAWING (SDD), "BARRICADES AND SIGNS FOR MAINLINE CLOSURES" AND "DETOUR SIGNING FOR MAINLINE CLOSURES", FOR SIGN SPACING, BARRICADE LOCATIONS AND OTHER DETAILS.

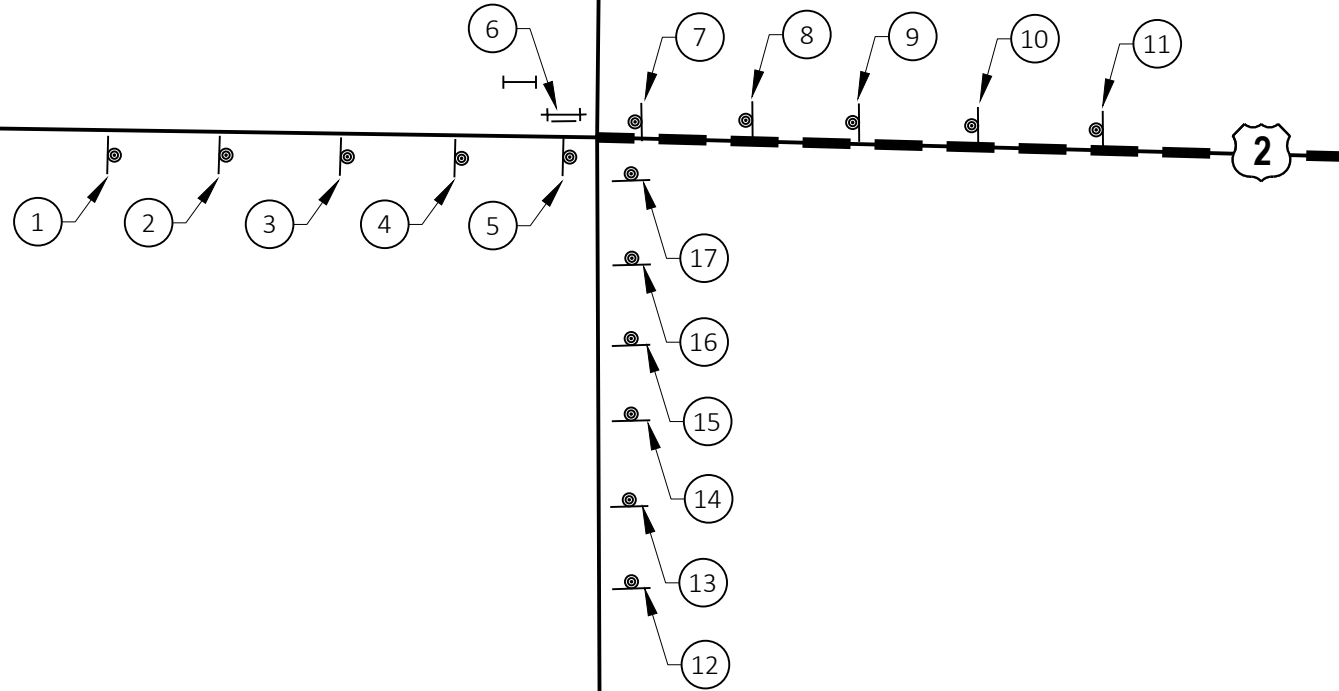
ALL SIGNS 48" X 48" UNLESS OTHERWISE NOTED.

DO NOT PLACE ANY TRAFFIC CONTROL SIGNS WITHIN 50 FEET OF RAILROAD RIGHT OF WAY.

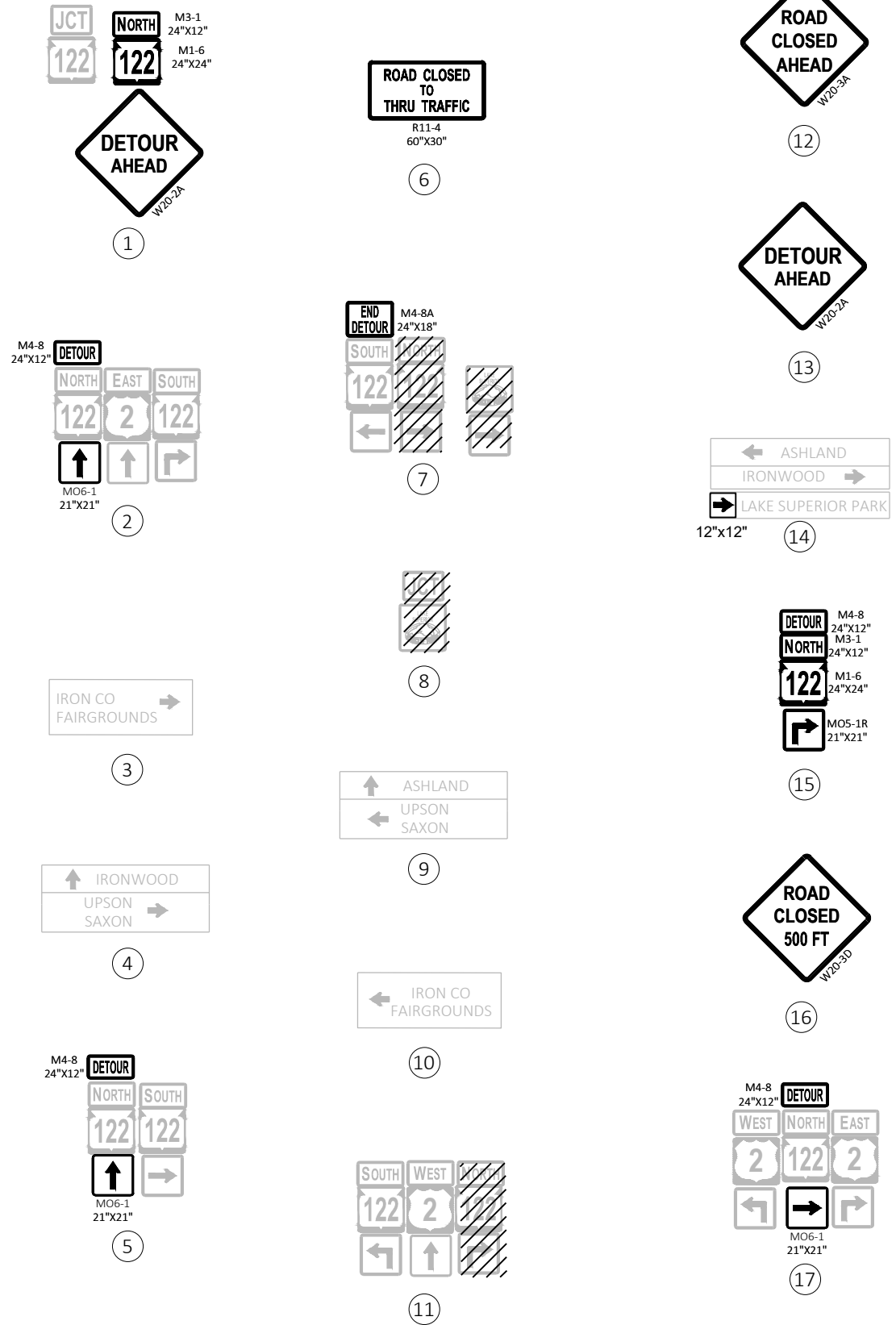
 1	 2	 3	 4	 5	 6	 7	 8	 9	 10
 11		 12							

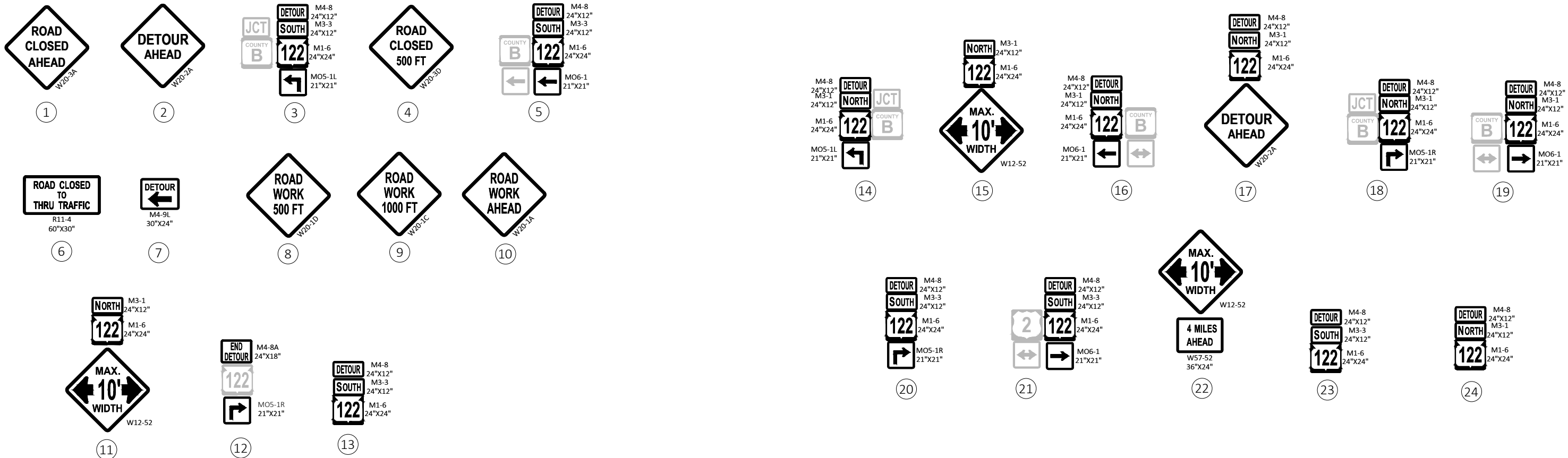
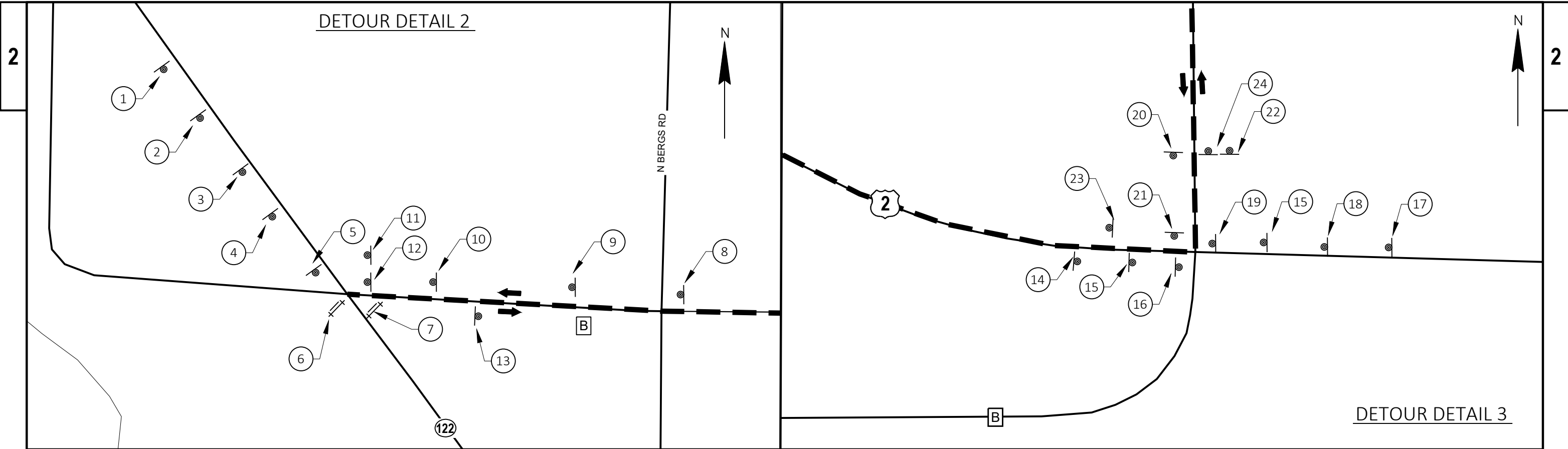


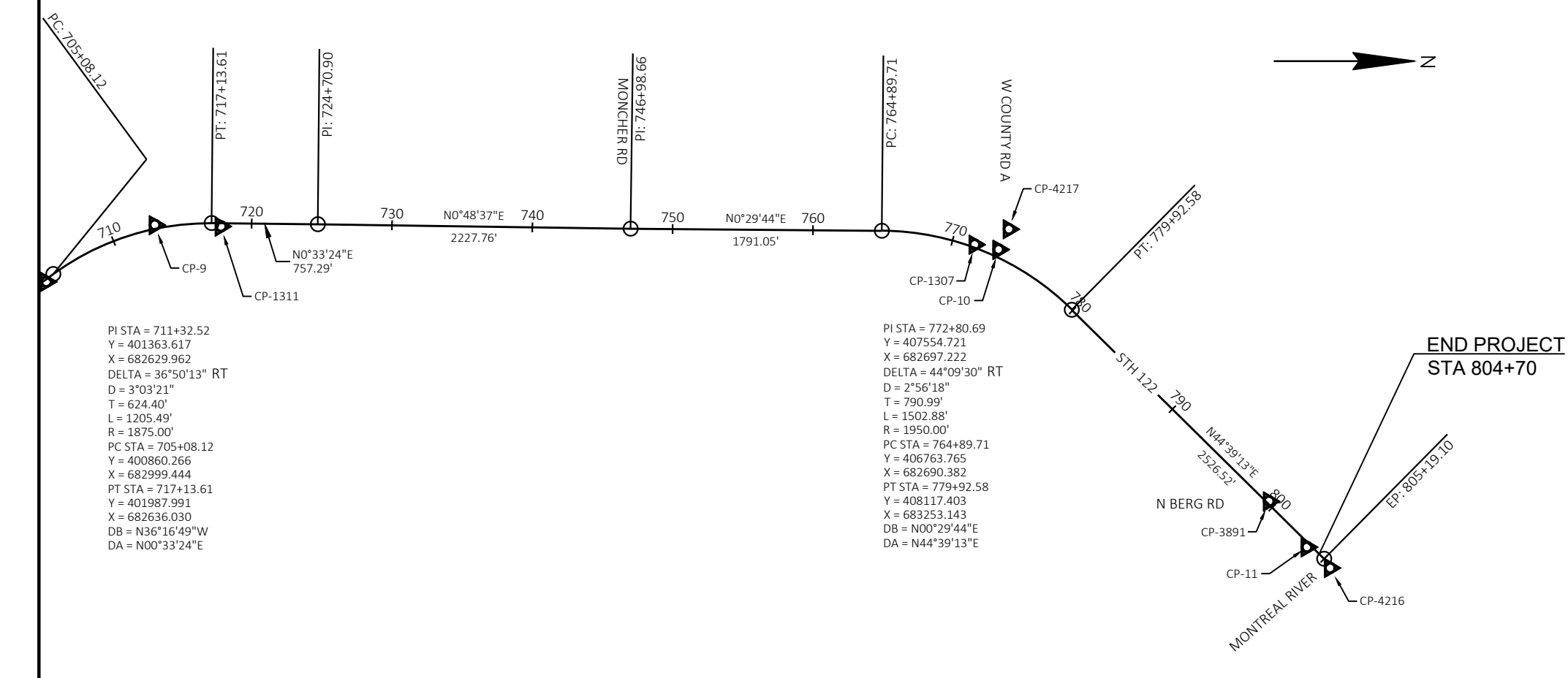
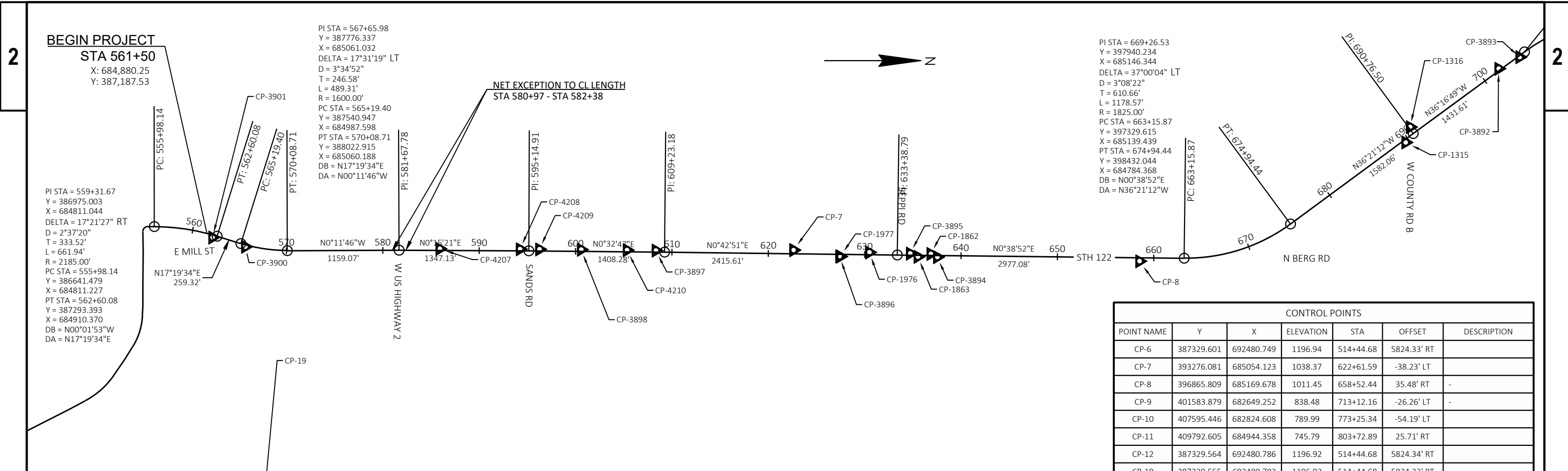
122



DETOUR DETAIL 1







PI STA = 669+26.53
 Y = 397940.234
 X = 685146.344
 DELTA = 37°00'04" LT
 D = 3°08'22"
 T = 610.66'
 L = 1178.57'
 R = 1825.00'
 PC STA = 663+15.87
 Y = 397329.615
 X = 685139.439
 PT STA = 674+94.44
 Y = 398432.044
 X = 684784.368
 DB = N00°38'52"E
 DA = N36°21'12"W

CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-6	387329.601	692480.749	1196.94	514+44.68	5824.33' RT	
CP-7	393276.081	685054.123	1038.37	622+61.59	-38.23' LT	
CP-8	396865.809	685169.678	1011.45	658+52.44	35.48' RT	-
CP-9	401583.879	682649.252	838.48	713+12.16	-26.26' LT	-
CP-10	407595.446	682824.608	789.99	773+25.34	-54.19' LT	
CP-11	409792.605	684944.358	745.79	803+72.89	25.71' RT	
CP-12	387329.564	692480.786	1196.92	514+44.68	5824.34' RT	
CP-19	387329.555	692480.782	1196.92	514+44.68	5824.33' RT	
CP-1307	407425.598	682788.737	791.65	771+57.96	-22.04' LT	5/8x24 REBAR W/CAP
CP-1311	402054.624	682659.552	831.82	717+80.46	22.87' RT	5/8x24 REBAR W/CAP
CP-1315	399627.868	683937.985	895.38	689+59.24	27.18' RT	5/8x24 REBAR W/CAP
CP-1316	399674.211	683778.915	888.00	690+90.76	-73.47' LT	5/8x24 REBAR W/CAP
CP-1862	394699.804	685094.271	1019.84	636+85.72	-15.43' LT	5/8x24 REBAR W/CAP
CP-1863	394566.174	685123.441	1020.69	635+52.43	15.25' RT	5/8x24 REBAR W/CAP
CP-1976	394062.480	685078.478	1026.60	630+48.23	-23.68' LT	5/8x24 REBAR W/CAP
CP-1977	393762.019	685120.702	1031.90	627+48.32	22.28' RT	5/8x24 REBAR W/CAP
CP-3891	409522.428	684618.412	745.94	799+51.61	-16.27' LT	5/8x24 REBAR W/CAP
CP-3892	400592.226	683174.223	856.92	701+88.62	-17.71' LT	5/8x24 REBAR W/CAP
CP-3893	400810.082	683053.347	851.13	704+35.76	13.76' RT	5/8x24 REBAR W/CAP
CP-3894	394767.400	685126.313	1019.20	637+53.67	15.84' RT	5/8x24 REBAR W/CAP
CP-3895	394485.455	685089.737	1021.33	634+71.33	-17.54' LT	5/8x24 REBAR W/CAP
CP-3896	393752.880	685118.060	1032.60	627+39.14	19.76' RT	5/8x24 REBAR W/CAP
CP-3897	391847.069	685059.171	1067.34	608+32.79	-15.64' LT	5/8x24 REBAR W/CAP
CP-3898	391072.173	685049.979	1081.71	600+57.84	-17.44' LT	5/8x24 REBAR W/CAP
CP-3900	387587.446	685018.909	1097.71	565+72.56	16.93' RT	5/8x24 REBAR W/CAP
CP-3901	387247.090	684923.225	1098.21	562+19.22	25.68' RT	5/8x24 REBAR W/CAP
CP-4207	389604.775	685040.589	1121.61	585+90.50	-17.52' LT	5/8x24 REBAR W/CAP
CP-4208	390437.427	685044.859	1096.66	594+23.16	-16.97' LT	5/8x24 REBAR W/CAP
CP-4209	390638.313	685046.115	1090.11	596+23.97	-17.16' LT	5/8x24 REBAR W/CAP
CP-4210	391546.812	685054.279	1073.30	605+32.50	-17.66' LT	5/8x24 REBAR W/CAP
CP-4216	409957.086	685092.535	746.87	225+57.54	-52246.34' LT	NGS
CP-4217	407668.364	682678.559	790.50	773+29.14	-217.38' LT	NGS X 61

Estimate Of Quantities

9303-03-72

Line	Item	Item Description	Unit	Total	Qty
0002	203.0100	Removing Small Pipe Culverts	EACH	11.000	11.000
0004	204.0110	Removing Asphaltic Surface	SY	73.000	73.000
0006	204.0115	Removing Asphaltic Surface Butt Joints	SY	588.000	588.000
0008	204.0120	Removing Asphaltic Surface Milling	SY	424.000	424.000
0010	205.0100	Excavation Common	CY	2,321.000	2,321.000
0012	208.1500.S	Temporary Lane Shift During Culvert Work	EACH	6.000	6.000
0014	213.0100	Finishing Roadway (project) 01. 9303-03-72	EACH	1.000	1.000
0016	305.0110	Base Aggregate Dense 3/4-Inch	TON	7,674.000	7,674.000
0018	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	1,416.000	1,416.000
0020	325.0100	Pulverize and Relay	SY	61,065.000	61,065.000
0022	374.1020.S	QMP Pulverize and Relay Compaction	SY	61,065.000	61,065.000
0024	455.0605	Tack Coat	GAL	4,680.000	4,680.000
0026	460.2000	Incentive Density HMA Pavement	DOL	6,100.000	6,100.000
0028	460.5244	HMA Pavement 4 LT 58-34 S	TON	9,522.000	9,522.000
0030	465.0105	Asphaltic Surface	TON	139.000	139.000
0032	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	11.000	11.000
0034	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	10.000	10.000
0036	520.1030	Apron Endwalls for Culvert Pipe 30-Inch	EACH	2.000	2.000
0038	520.1036	Apron Endwalls for Culvert Pipe 36-Inch	EACH	6.000	6.000
0040	520.3624	Culvert Pipe Class III-B Non-metal 24-Inch	LF	296.000	296.000
0042	520.3630	Culvert Pipe Class III-B Non-metal 30-Inch	LF	108.000	108.000
0044	520.3636	Culvert Pipe Class III-B Non-metal 36-Inch	LF	235.000	235.000
0046	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	56.000	56.000
0048	522.0448	Culvert Pipe Reinforced Concrete Class IV 48-Inch	LF	58.000	58.000
0050	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	2.000	2.000
0052	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	2.000	2.000
0054	606.0200	Riprap Medium	CY	11.000	11.000
0056	606.0300	Riprap Heavy	CY	17.000	17.000
0058	618.0100	Maintenance And Repair of Haul Roads (project) 01. 9303-03-72	EACH	1.000	1.000
0060	619.1000	Mobilization	EACH	1.000	1.000
0062	621.0100	Landmark Reference Monuments	EACH	12.000	12.000
0064	624.0100	Water	MGAL	221.000	221.000
0066	625.0100	Topsoil	SY	3,067.000	3,067.000
0068	628.1504	Silt Fence	LF	3,380.000	3,380.000
0070	628.1520	Silt Fence Maintenance	LF	1,690.000	1,690.000
0072	628.1905	Mobilizations Erosion Control	EACH	10.000	10.000
0074	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0076	628.2008	Erosion Mat Urban Class I Type B	SY	3,067.000	3,067.000
0078	628.7504	Temporary Ditch Checks	LF	10.000	10.000
0080	628.7555	Culvert Pipe Checks	EACH	88.000	88.000
0082	628.7570	Rock Bags	EACH	22.000	22.000
0084	629.0210	Fertilizer Type B	CWT	2.200	2.200
0086	630.0120	Seeding Mixture No. 20	LB	88.000	88.000
0088	630.0160	Seeding Mixture No. 60	LB	3.000	3.000
0090	630.0500	Seed Water	MGAL	69.500	69.500
0092	633.5200	Markers Culvert End	EACH	22.000	22.000
0094	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	12.000	12.000
0096	637.2230	Signs Type II Reflective F	SF	55.600	55.600
0098	638.2102	Moving Signs Type II	EACH	2.000	2.000

Estimate Of Quantities

9303-03-72

Line	Item	Item Description	Unit	Total	Qty
0100	638.3000	Removing Small Sign Supports	EACH	2.000	2.000
0102	642.5001	Field Office Type B	EACH	1.000	1.000
0104	643.0300	Traffic Control Drums	DAY	360.000	360.000
0106	643.0420	Traffic Control Barricades Type III	DAY	1,140.000	1,140.000
0108	643.0705	Traffic Control Warning Lights Type A	DAY	2,066.000	2,066.000
0110	643.0900	Traffic Control Signs	DAY	8,941.000	8,941.000
0112	643.0920	Traffic Control Covering Signs Type II	EACH	15.000	15.000
0114	643.1000	Traffic Control Signs Fixed Message	SF	54.000	54.000
0116	643.3105	Temporary Marking Line Paint 4-Inch	LF	13,403.000	13,403.000
0118	643.5000	Traffic Control	EACH	1.000	1.000
0120	645.0120	Geotextile Type HR	SY	22.000	22.000
0122	645.0140	Geotextile Type SAS	SY	160.000	160.000
0124	646.1020	Marking Line Epoxy 4-Inch	LF	87,250.000	87,250.000
0126	648.0100	Locating No-Passing Zones	MI	10.080	10.080
0128	650.5000	Construction Staking Base	LF	1,058.000	1,058.000
0130	650.6000	Construction Staking Pipe Culverts	EACH	11.000	11.000
0132	650.8000	Construction Staking Resurfacing Reference	LF	24,179.000	24,179.000
0134	650.9911	Construction Staking Supplemental Control (project) 01. 9303-03-72	EACH	1.000	1.000
0136	650.9920	Construction Staking Slope Stakes	LF	2,116.000	2,116.000
0138	690.0150	Sawing Asphalt	LF	651.000	651.000
0140	740.0440	Incentive IRI Ride	DOL	18,320.000	18,320.000
0142	SPV.0060	Special 01. Reestablish Section Corner Monuments	EACH	3.000	3.000
0144	SPV.0060	Special 02. Temporary Water Diversion STA 563+20	EACH	1.000	1.000
0146	SPV.0060	Special 03. Temporary Water Diversion STA 715+85	EACH	1.000	1.000
0148	SPV.0180	Special 01. Salvage and Relay Asphaltic Pavement	SY	3,454.000	3,454.000

CULVERT PIPE TRANSITION

205.0100

CATEGORY	LOCATION	LENGTH (FT)	"D" DEPTH (FT)	PIPE DIA (IN)	DEPTH TO CENTER OF PIPE (FT)	"T" DEPTH (FT)	TRENCH WIDTH (FT)	SHOULDER POINT TO SHOULDER POINT ALONG PIPE (FT)	PAVEMENT AND BASE REMOVAL (CF)	LENGTH OF CUT (FT)	TRANSITION CUT VOLUME W/O PAVEMENT (CF)	EXCAVATION COMMON CY
0010	CULVERT 872	60	0.4	42.00	2.2	2.2	7.0	33	196.00	107.00	3547.50	132
0010	CULVERT 874	45	0.9	36.00	2.4	2.4	6.0	30	168.00	106.00	3600.00	134
0010	CULVERT 875	46	0.7	29x45	1.9	1.9	7.5	30	210.00	107.50	2862.50	106
0010	CULVERT 624 & 876	58	1.4	(2) 36	2.9	2.9	9.0	42	252.00	109.00	6090.00	226
0010	CULVERT 877	58	2.4	24.00	3.4	3.4	4.0	47	112.00	104.00	7990.00	296
0010	CULVERT 878	76	2.2	24.00	3.2	3.2	4.0	30	112.00	104.00	4800.00	178
0010	CULVERT 879	44	0.4	36.00	1.9	1.9	6.0	84	168.00	106.00	7980.00	296
0010	CULVERT 880	108	3.4	24.00	4.4	4.4	4.0	42	112.00	104.00	9240.00	343
0010	CULVERT 881	85	5.6	36.00	7.1	5.0	6.0	52	168.00	106.00	13000.00	482
0010	CULVERT 887	119	1.3	24.00	2.3	2.3	4.0	30	112.00	104.00	3450.00	128
	TOTAL 0010											2,321

PULVERIZE AND RELAY

CATEGORY	STATION	TO	STATION	LOCATION	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	325.0100 PULVERIZE AND RELAY SY	374.1020.S QMP PULVERIZE AND RELAY AND RELAY COMPACTION SY	624.0100 WATER MGAL	* SPV.0180.01 SPECIAL (01. SALVAGE AND RELAY ASPHALTIC PAVEMENT) SY	REMARKS
0010	561+50	-	562+00		-	134	-	-	-	-	-	
0010	580+47	-	580+97		-	134	-	-	-	-	-	
0010	582+38	-	582+88		-	140	-	-	-	-	-	
0010				COUNTY B	-	62	-	-	-	-	-	
0010				COUNTY A	-	85	-	-	-	-	-	
0010	804+60	-	804+70		-	33	-	-	-	-	-	
0010	582+75	-	582+96	RT-DRIVEWAY	19	-	-	-	-	-	-	
0010	586+38	-	586+78	LT-DRIVEWAY	33	-	-	-	-	-	-	
0010	586+53	-	586+77	RT-DRIVEWAY	21	-	-	-	-	-	-	
0010	803+25	-	804+60		-	-	424	-	-	-	-	
0010	562+59	-	563+80	CULVERT 872	-	-	-	-	-	-	298	
0010	583+81	-	584+87	CULVERT 874	-	-	-	-	-	-	282	
0010	594+26	-	595+34	CULVERT 875	-	-	-	-	-	-	289	
0010	605+41	-	606+77	CULVERT 624 & 876	-	-	-	-	-	-	361	
0010	628+23	-	629+57	CULVERT 877	-	-	-	-	-	-	359	
0010	635+57	-	636+61	CULVERT 878	-	-	-	-	-	-	277	
0010	689+74	-	691+04	CULVERT 879	-	-	-	-	-	-	477	
0010	702+95	-	704+25	CULVERT 880	-	-	-	349	349	-	349	PULVERIZE THROUGH THE ASPHALTIC
0010	714+95	-	716+35	CULVERT 881	-	-	-	378	378	-	378	SURFACE PLACED AFTER CULVERT
0010	772+70	-	773+75	CULVERT 887	-	-	-	384	384	-	384	REPLACEMENT
0010	562+00	-	803+25		-	-	-	59,954	59,954	170	-	
				TOTAL 0010	73	588	424	61,065	61,065	170	3,454	

3

3

BASE AGGREGATE DENSE

CATEGORY	STATION	TO	STATION	LOCATION	305.0110	305.0120	624.0100
					BASE AGGREGATE DENSE 3/4-INCH TON	BASE AGGREGATE DENSE 1 1/4- INCH TON	WATER MGAL
0010	561+50	-	804+70		5,717	-	-
0010				E MILL ST	280	-	4.2
0010				SANDS RD	226	-	3.4
0010				SEPPI RD	212	-	3.2
0010				N BERG RD (S)	608	-	9.2
0010				OLD DENNIS CORNER RD (S)	176	-	2.7
0010				OLD DENNIS CORNER RD (N)	194	-	3.0
0010				MONCHER RD	46	-	0.7
0010				N BERG RD (N)	2	-	0.1
0010				DRIVEWAYS	53	-	0.8
0010				CULVERT 872	16	133	2.3
0010				CULVERT 874	16	126	2.2
0010				CULVERT 875	16	129	2.2
0010				CULVERT 624 & 876	16	161	2.7
0010				CULVERT 877	16	160	2.7
0010				CULVERT 878	16	124	2.1
0010				CULVERT 879	16	212	3.5
0010				CULVERT 880	16	117	2.0
0010				CULVERT 881	16	126	2.2
0010				CULVERT 887	16	128	2.2
				TOTAL 0010	7,674	1,416	51

HMA ITEMS

CATEGORY	STATION	TO	STATION	LOCATION	455.0605	460.5244	465.0105	465.0120	REMARKS
					TACK COAT GAL	HMA PAVEMENT 4 LT 58-34 S TON	ASPHALTIC SURFACE TON	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	
0010	561+50	-	562+00		10	14	-	-	BUTT JOINT
0010	562+00	-	580+47		345	709	-	-	
0010	580+47	-	580+97		10	14	-	-	BUTT JOINT
0010	582+38	-	582+88		10	14	-	-	BUTT JOINT
0010	582+88	-	803+25		4,114	8,595	-	-	
0010	803+25	-	804+60		26	46	-	-	TRANSITION
0010	804+60	-	804+70		2	3	-	-	MILL & OVERLAY
0010				COUNTY B	30	63	-	-	
0010				COUNTY A	30	64	-	-	
0010				RT-DRIVEWAY	2	-	-	3	
0010				LT-DRIVEWAY	3	-	-	5	
0010				RT-DRIVEWAY	2	-	-	3	
0010				CULVERT 880	25	-	36	-	SHORT TERM PAVING ONLY
0010				CULVERT 881	27	-	39	-	SHORT TERM PAVING ONLY
0010				CULVERT 887	44	-	64	-	SHORT TERM PAVING ONLY
				TOTAL 0010	4,680	9,522	139	11	

CULVERT ITEMS

CATEGORY	STATION	CULVERT ID	203.0100 REMOVING SMALL PIPE CULVERTS EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE 24- INCH EACH	520.1030 APRON ENDWALLS FOR CULVERT PIPE 30- INCH EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE 36- INCH EACH	520.3624 CULVERT PIPE CLASS III-B NON- METAL 24-INCH LF	520.3630 CULVERT PIPE CLASS III-B NON- METAL 30-INCH LF	520.3636 CULVERT PIPE CLASS III-B NON- METAL 36-INCH LF	522.0424 CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	522.0448 CULVERT PIPE REINFORCED CONCRETE CLASS IV 48-INCH LF	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24- INCH EACH	522.1048 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 48- INCH EACH	633.5200 MARKERS CULVERT END EACH	INLET* ELEVATION	OUTLET* ELEVATION
0010	563+19.96	CULVERT 872	1	-	-	-	-	-	-	-	58	-	2	2	1092.36	1092.12
0010	584+34.39	CULVERT 874	1	2	-	-	45	-	-	-	-	-	-	2	1118.06	1117.94
0010	594+80.05	CULVERT 875	1	2	-	-	46	-	-	-	-	-	-	2	1090.24	1090.00
0010	606+04.91	CULVERT 876	1	-	-	2	-	-	58	-	-	-	-	2	1066.80	1066.01
0010	606+13.65	CULVERT 624	1	-	-	2	-	-	58	-	-	-	-	2	1066.80	1066.01
0010	628+89.33	CULVERT 877	1	2	-	-	76	-	-	-	-	-	-	2	1025.93	1025.17
0010	636+08.79	CULVERT 878	1	2	-	-	44	-	-	-	-	-	-	2	1015.60	1014.60
0010	690+32.26	CULVERT 879	1	-	2	-	-	108	-	-	-	-	-	2	890.26	886.80
0010	703+57.64	CULVERT 880	1	2	-	-	85	-	-	-	-	-	-	2	847.70	846.68
0010	715+63.35	CULVERT 881	1	-	-	2	-	-	119	-	-	-	-	2	826.83	825.36
0010	773+24.99	CULVERT 887	1	-	-	-	-	-	-	56	-	2	-	2	788.73	788.18
TOTAL 0010			11	10	2	6	296	108	235	56	58	2	2	22		

* PIPE INVERT AT END OF PIPE FOR INFORMATION ONLY. FIELD VERIFY

EROSION CONTROL

CATEGORY	STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EROSION CONTROL EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH	SPV.0060.02 SPECIAL (02. TEMPORARY WATER DIVERSION STA 563+20) EACH	SPV.0060.03 SPECIAL (03. TEMPORARY WATER DIVERSION STA 715+85) EACH	CATEGORY	LOCATION	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE TYPE HR SY
0010	563+19.96	CULVERT 872	283	142	1	-	-	10	-	1	-	0010	CULVERT 876	-	6	4
0010	584+34.39	CULVERT 874	257	129	1	-	-	3	-	-	-	0010	CULVERT 624	-	6	4
0010	594+80.05	CULVERT 875	216	108	1	-	-	3	-	-	-	0010	CULVERT 878	4	-	4
0010	606+04.91	CULVERT 624 & 876	245	123	1	-	-	14	-	-	-	0010	CULVERT 879	-	5	3
0010	628+89.33	CULVERT 877	326	163	1	-	-	7	-	-	-	0010	CULVERT 881	7	-	7
0010	636+08.79	CULVERT 878	240	120	1	-	10	3	22	-	-	TOTAL 0010				
0010	690+32.26	CULVERT 879	231	116	1	-	-	35	-	-	-			11	17	22
0010	703+57.64	CULVERT 880	471	236	1	-	-	3	-	-	-					
0010	715+63.35	CULVERT 881	586	293	1	-	-	7	-	-	1					
0010	773+24.99	CULVERT 887	525	263	1	-	-	3	-	-	-					
TOTAL 0010			3,380	1,690	10	4	10	88	22	1	1					

RESTORATION

CATEGORY	STATION	LOCATION	625.0100	628.2008	629.0210	630.0120	630.0160	630.0500	645.0140
			TOPSOIL SY	EROSION MAT URBAN CLASS I TYPE B SY	FERTILIZER TYPE B CWT	SEEDING MIXTURE NO. 20 LB	SEEDING MIXTURE NO. 60 LB	SEED WATER MGAL	GEOTEXTILE TYPE SAS SY
0010	563+19.96	CULVERT 872	238	238	0.2	7	-	5.4	-
0010	584+34.39	CULVERT 874	237	237	0.2	7	-	5.4	-
0010	594+80.05	CULVERT 875	143	143	0.1	4	-	3.3	-
0010	606+04.91	CULVERT 624 & 876	285	285	0.2	8	-	6.5	-
0010	628+89.33	CULVERT 877	339	339	0.2	10	-	7.7	-
0010	636+08.79	CULVERT 878	298	298	0.2	9	-	6.7	-
0010	690+32.26	CULVERT 879	248	248	0.2	7	-	5.6	-
0010	703+57.64	CULVERT 880	398	398	0.3	11	1	9.0	60
0010	715+63.35	CULVERT 881	501	501	0.3	14	2	11.3	100
0010	773+24.99	CULVERT 887	380	380	0.3	11	-	8.6	-
		TOTAL 0010	3,067	3,067	2.2	88	3	69.5	160

PERMANENT SIGNING

CATEGORY	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W x H [IN] x [IN]	LOCATION	634.0618	637.2230	638.2102	638.3000
					POSTS WOOD 4X6-INCH X 18- FT EACH	SIGNS TYPE II REFLECTIVE F SF	MOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH
0010	W 14-3	NO PASSING	48 x 36	COUNTY B DETOUR	10	56	-	-
0010				UNDISTRIBUTED	2	-	2	2
				TOTAL 0010	12	55.6	2	2

MARKING

CATEGORY	STATION	TO	STATION	LOCATION	646.1020	648.0100	643.3105
					MARKING LINE EPOXY 4-INCH LF	LOCATING NO- PASSING ZONES MI	TEMPORARY MARKING LINE PAINT 4-INCH LF
0010				COUNTY B DETOUR	-	5.50	-
0010	561+50	-	804+70		87,250	4.58	-
0010	COUNTY B	-	804+70	OPEN TO TRAFFIC	-	-	13,403
				TOTAL 0010	87,250	10.08	13,403

TRAFFIC CONTROL

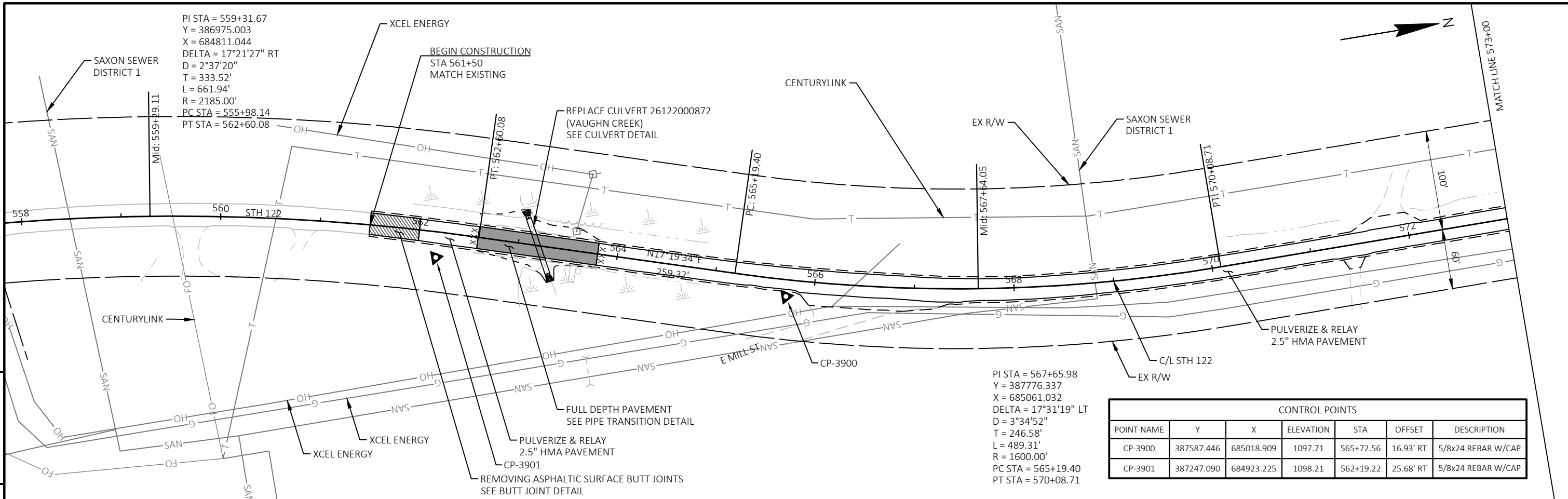
CATEGORY	LOCATION	DAYS	208.1500.5 TEMPORARY LANE SHIFT DURING CULVERT WORK		643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS		643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II		643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	
			EACH	#	DAY	#	DAY	#	DAY	#	DAY	CYCLES	EACH	SF		
0010	PRIOR TO CONSTRUCTION	7	-	-	-	-	-	-	-	-	-	-	-	-	54	
0010	DETOUR "A" PLAN	15	-	-	-	22	330	44	660	165	2,475	1	11	-		
0010	DETOUR "B" PLAN	55	-	-	-	10	550	20	1,100	114	6,270	1	4	-		
0010	CULVERT 872	5	-	-	-	10	50	12	60	2	10	-	-	-		
0010	CULVERT 874	3	-	-	-	10	30	12	36	2	6	-	-	-		
0010	CULVERT 875	3	-	-	-	15	45	17	51	2	6	-	-	-		
0010	CULVERT 624 & 876	3	-	-	-	10	30	12	36	2	6	-	-	-		
0010	CULVERT 877	3	-	-	-	10	30	12	36	2	6	-	-	-		
0010	CULVERT 878	3	-	-	-	10	30	12	36	2	6	-	-	-		
0010	CULVERT 879	3	-	-	-	15	45	17	51	2	6	-	-	-		
0010	CULVERT 880	5	2	24	120	-	-	-	-	10	50	-	-	-		
0010	CULVERT 881	5	2	24	120	-	-	-	-	10	50	-	-	-		
0010	CULVERT 887	5	2	24	120	-	-	-	-	10	50	-	-	-		
0010	UNDISTRIBUTED	-	-	-	-	-	-	-	-	-	-	-	-	-		
0010	TOTAL 0010	-	6	-	360	-	1,140	-	2,066	-	8,941	-	15	54		

STAKING

SAWING

CATEGORY	LOCATION	621.0100 LANDMARK REFERENCE MONUMENTS		650.5000 CONSTRUCTION STAKING BASE		650.6000 CONSTRUCTION STAKING PIPE CULVERTS		650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE		650.9920 CONSTRUCTION STAKING SLOPE STAKES		SPV.0060.01 SPECIAL (01. REESTABLISH SECTION CORNER MONUMENTS)	
		EACH	LF	EACH	LF	LF	LF	EACH					
0010	633+37	4	-	-	-	-	-	1	-	-	-	-	1
0010	721+10	4	-	-	-	-	-	1	-	-	-	-	1
0010	746+95	4	-	-	-	-	-	1	-	-	-	-	1
0010	CULVERT 872	-	107	1	-	-	214	-	-	-	-	-	-
0010	CULVERT 874	-	106	1	-	-	212	-	-	-	-	-	-
0010	CULVERT 875	-	108	1	-	-	216	-	-	-	-	-	-
0010	CULVERT 624 & 876	-	109	2	-	-	218	-	-	-	-	-	-
0010	CULVERT 877	-	104	1	-	-	208	-	-	-	-	-	-
0010	CULVERT 878	-	104	1	-	-	208	-	-	-	-	-	-
0010	CULVERT 879	-	106	1	-	-	212	-	-	-	-	-	-
0010	CULVERT 880	-	104	1	-	-	208	-	-	-	-	-	-
0010	CULVERT 881	-	106	1	-	-	212	-	-	-	-	-	-
0010	CULVERT 887	-	104	1	-	-	208	-	-	-	-	-	-
0010	UNDISTRIBUTED	-	-	-	-	24,179	-	-	-	-	-	-	-
0010	TOTAL 0010	12	1,058	11	-	24,179	-	2,116	-	3	-	-	-

CATEGORY	LOCATION	690.0150 SAWING ASPHALT LF	
		LF	
0010	CULVERT 872	48	
0010	CULVERT 874	48	
0010	CULVERT 875	48	
0010	CULVERT 624 & 876	48	
0010	CULVERT 877	48	
0010	CULVERT 878	48	
0010	CULVERT 879	167	
0010	CULVERT 880	48	
0010	CULVERT 881	48	
0010	CULVERT 887	100	
0010	TOTAL 0010	651	



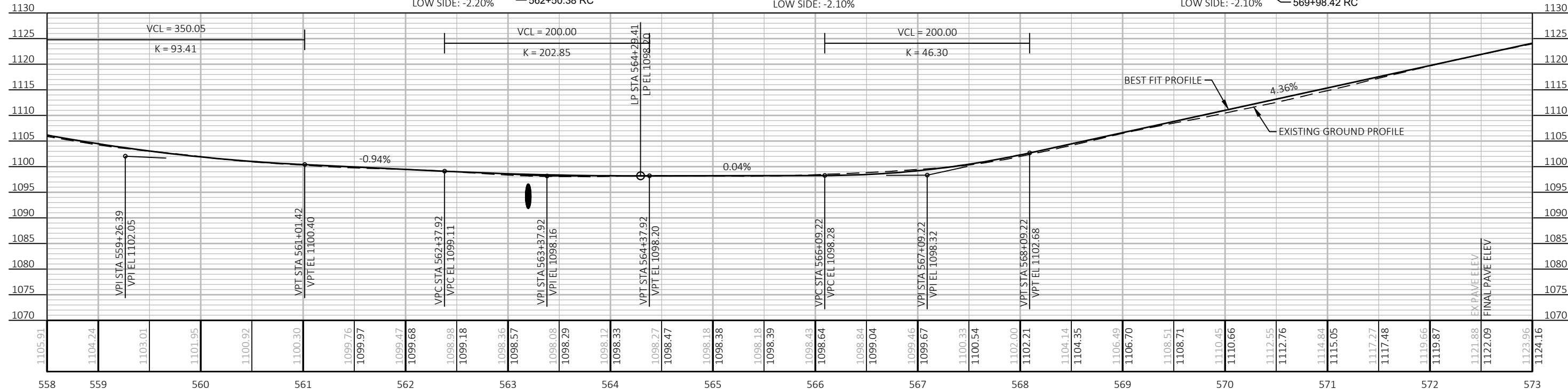
PI STA = 559+31.67
 Y = 386975.003
 X = 684811.044
 DELTA = 17°21'27" RT
 D = 2°37'20"
 T = 333.52'
 L = 661.94'
 R = 2185.00'
 PC STA = 555+98.14
 PT STA = 562+60.08

PI STA = 567+65.98
 Y = 387776.337
 X = 685061.032
 DELTA = 17°31'19" LT
 D = 3°34'52"
 T = 246.58'
 L = 489.31'
 R = 1600.00'
 PC STA = 565+19.40
 PT STA = 570+08.71

CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-3900	387587.446	685018.909	1097.71	565+72.56	16.93' RT	5/8x24 REBAR W/CAP
CP-3901	387247.090	684923.225	1098.21	562+19.22	25.68' RT	5/8x24 REBAR W/CAP

SUPERELEVATION INFORMATION:
 BNC - BEGIN NORMAL CROWN
 ENC - END NORMAL CROWN
 BFS - BEGIN FULL SUPERELEVATION
 EFS - END FULL SUPERELEVATION
 RC - REVERSE CROWN
 LC - LEVEL CROWN

NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.



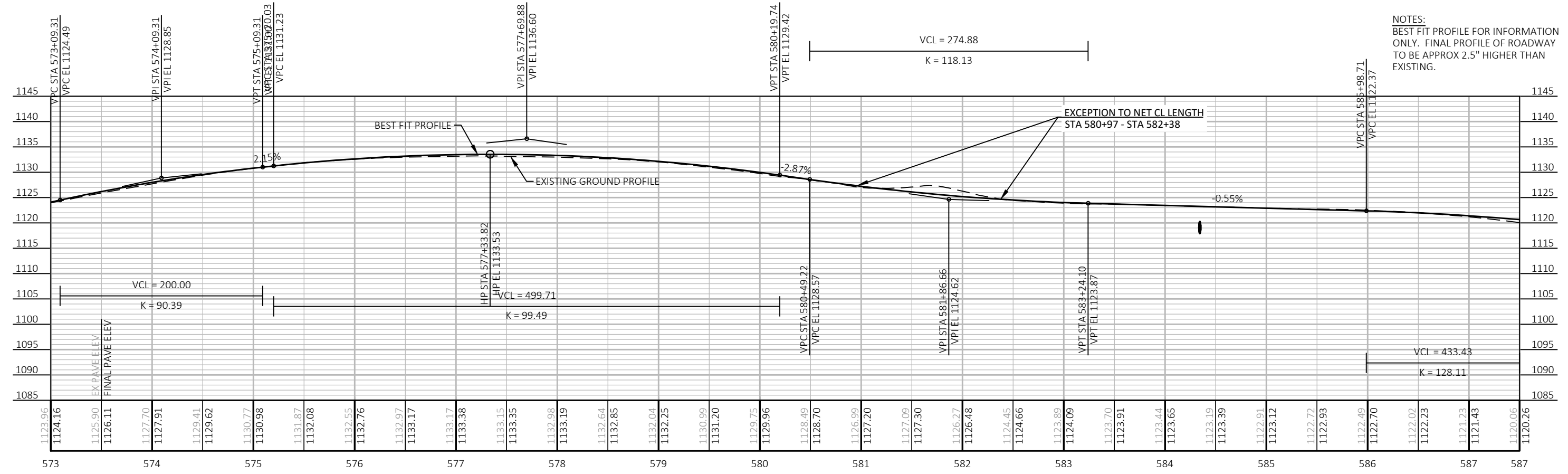
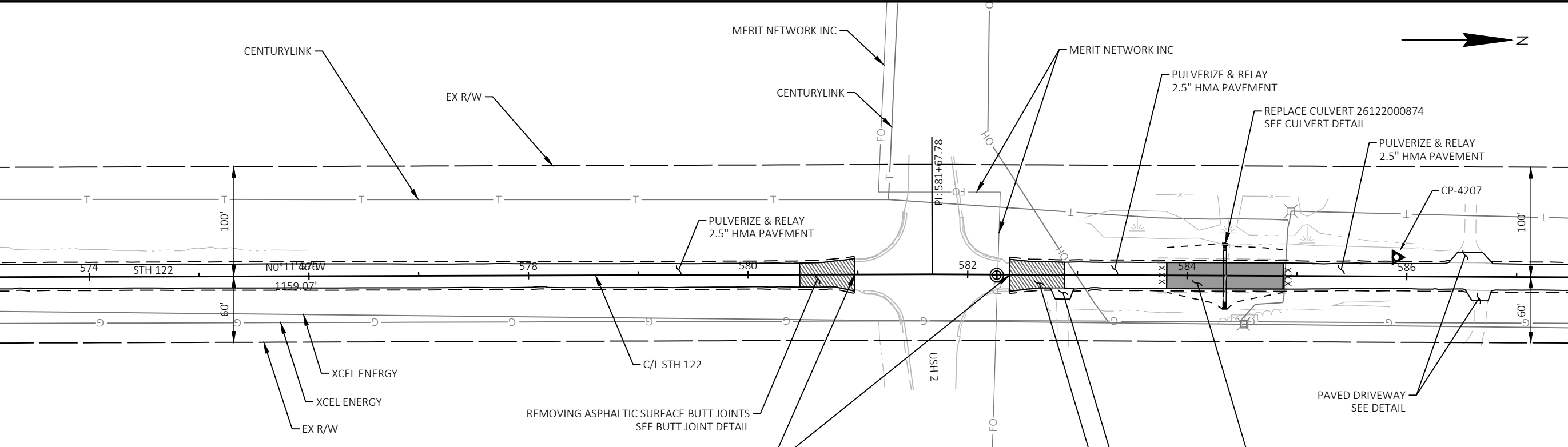
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5

MATCH LINE 573+00

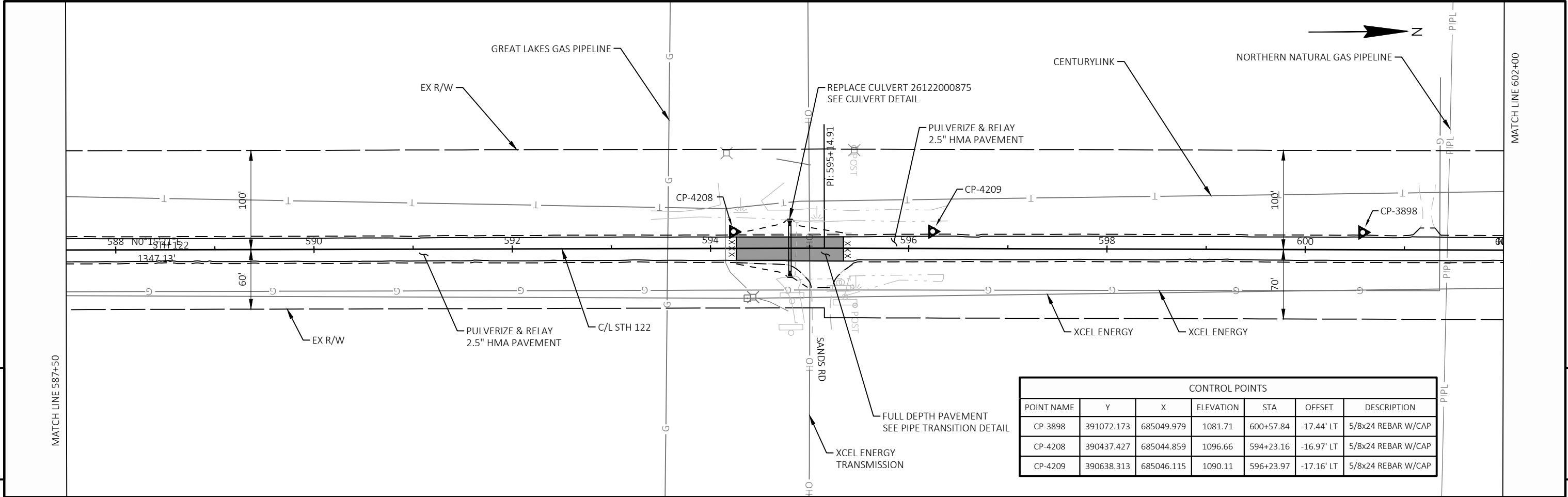
MATCH LINE 587+50

CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-4207	389604.775	685040.589	1121.61	585+90.50	-17.52' LT	5/8x24 REBAR W/CAP



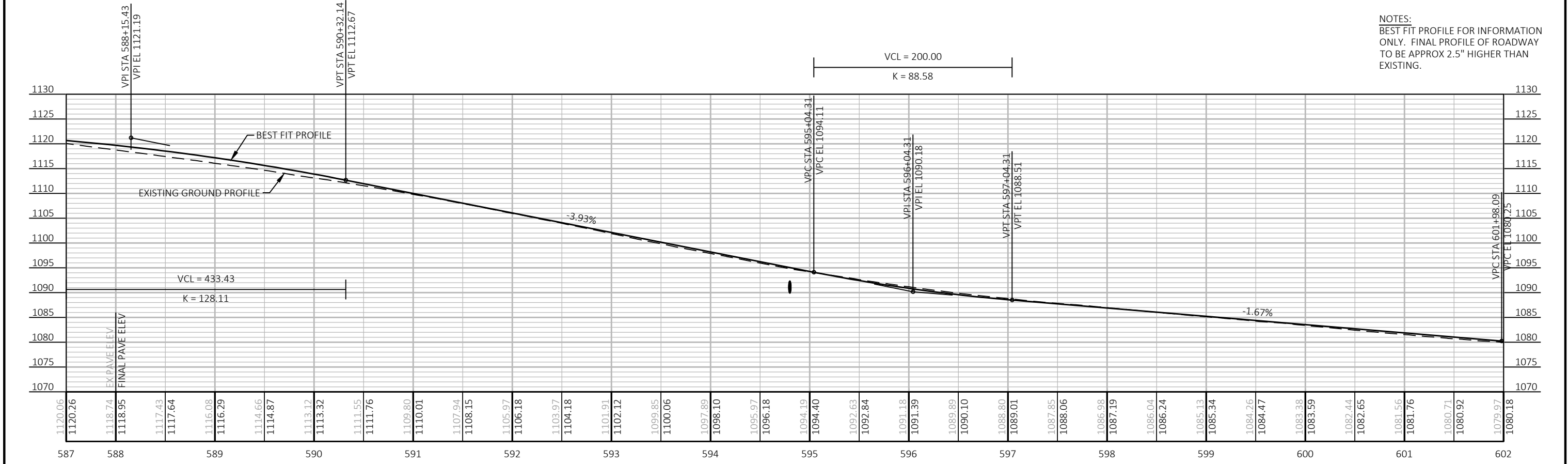
NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.

5



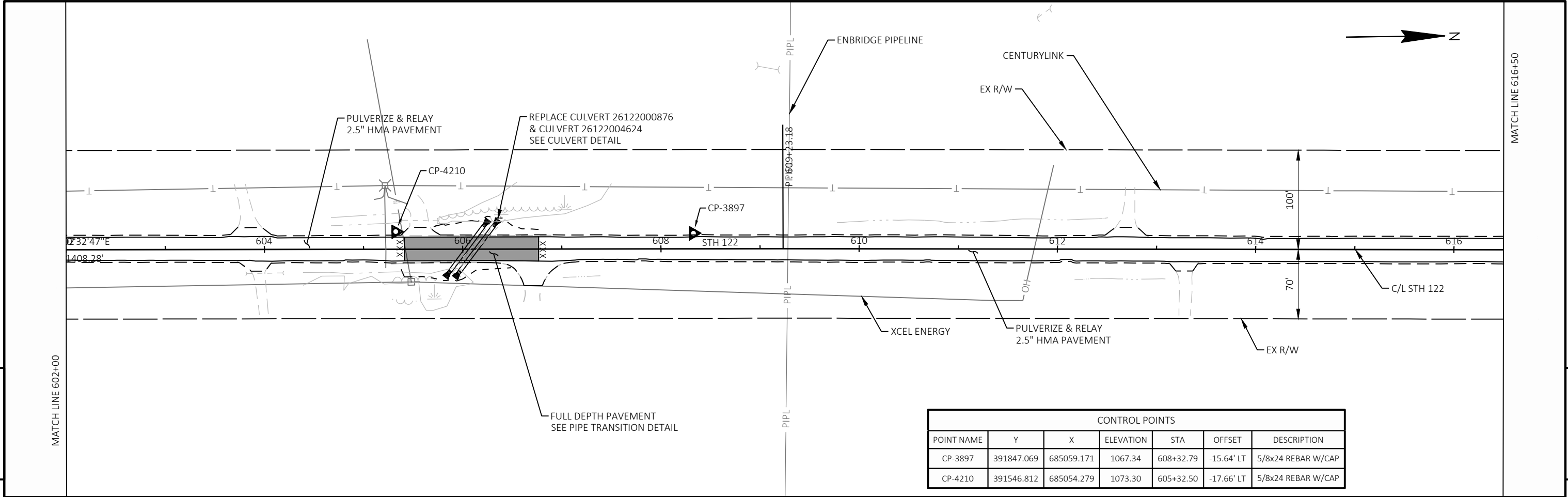
CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-3898	391072.173	685049.979	1081.71	600+57.84	-17.44' LT	5/8x24 REBAR W/CAP
CP-4208	390437.427	685044.859	1096.66	594+23.16	-16.97' LT	5/8x24 REBAR W/CAP
CP-4209	390638.313	685046.115	1090.11	596+23.97	-17.16' LT	5/8x24 REBAR W/CAP

5



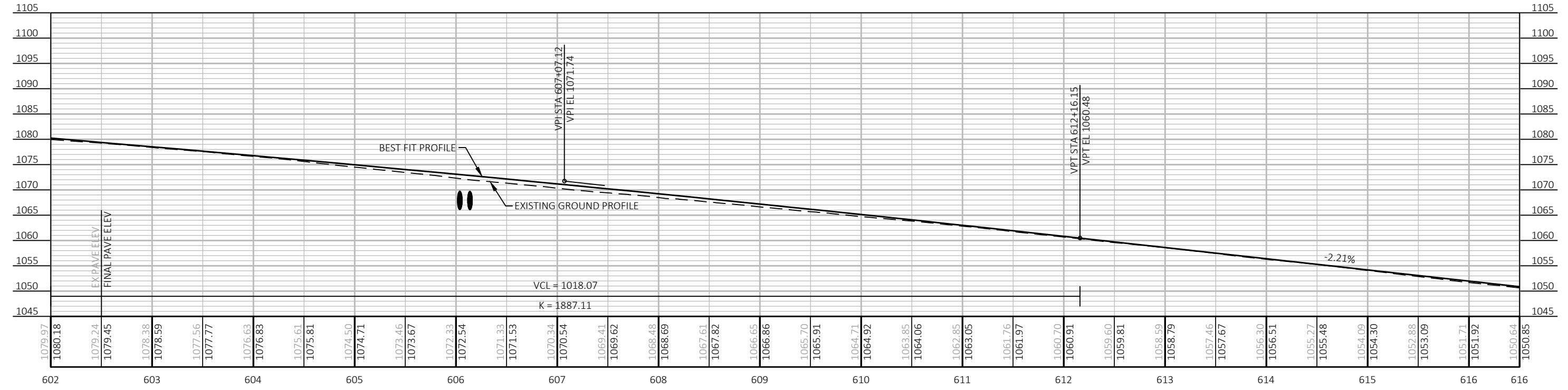
NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.

PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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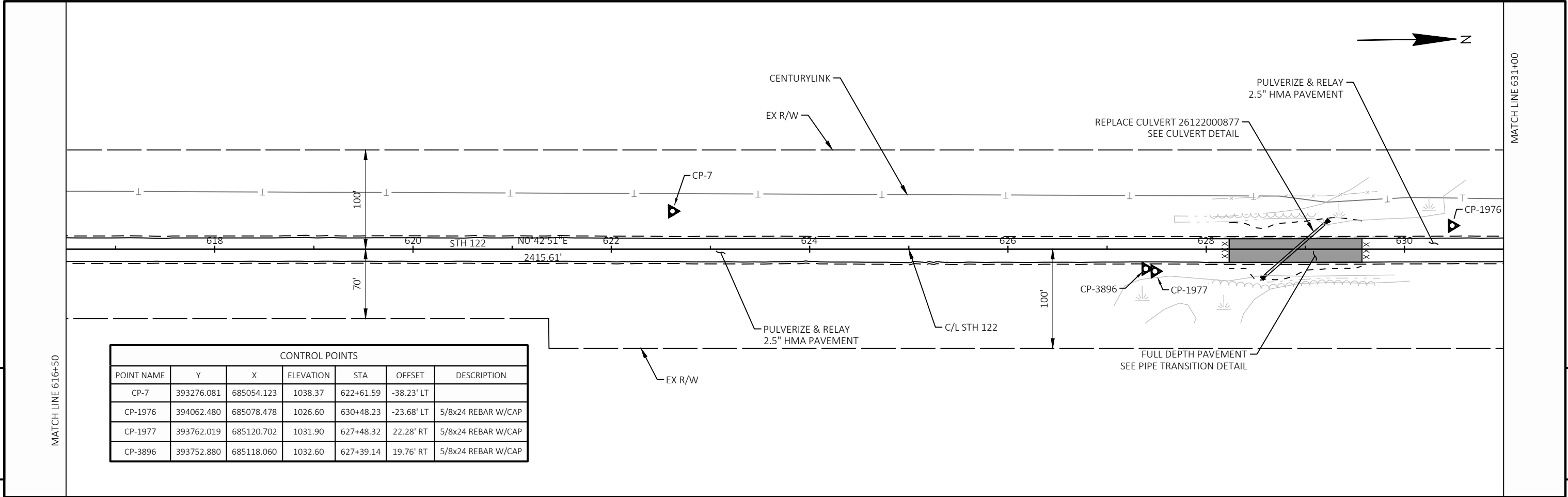


CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-3897	391847.069	685059.171	1067.34	608+32.79	-15.64' LT	5/8x24 REBAR W/CAP
CP-4210	391546.812	685054.279	1073.30	605+32.50	-17.66' LT	5/8x24 REBAR W/CAP

NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.

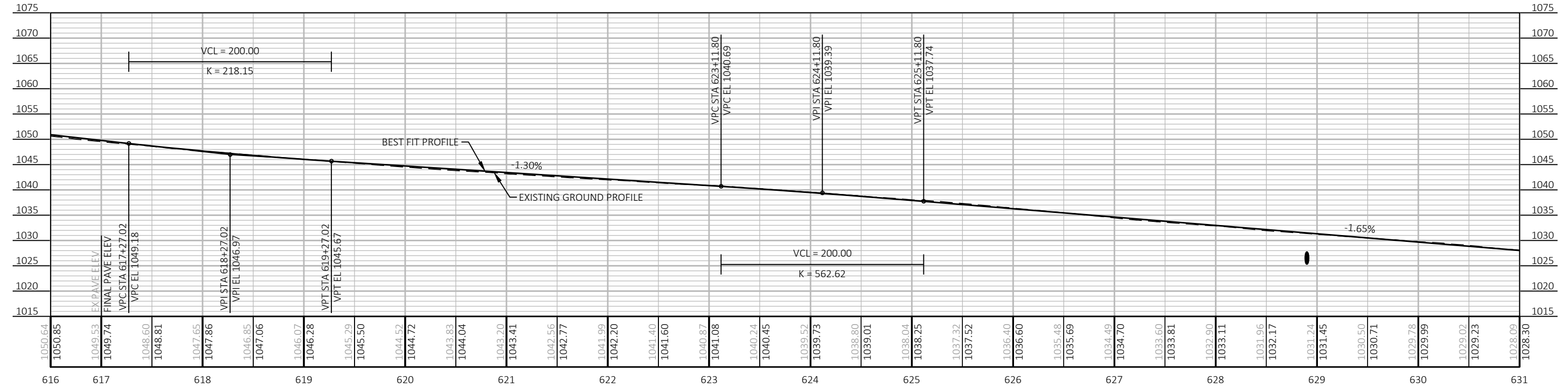


PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-7	393276.081	685054.123	1038.37	622+61.59	-38.23' LT	
CP-1976	394062.480	685078.478	1026.60	630+48.23	-23.68' LT	5/8x24 REBAR W/CAP
CP-1977	393762.019	685120.702	1031.90	627+48.32	22.28' RT	5/8x24 REBAR W/CAP
CP-3896	393752.880	685118.060	1032.60	627+39.14	19.76' RT	5/8x24 REBAR W/CAP

NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.

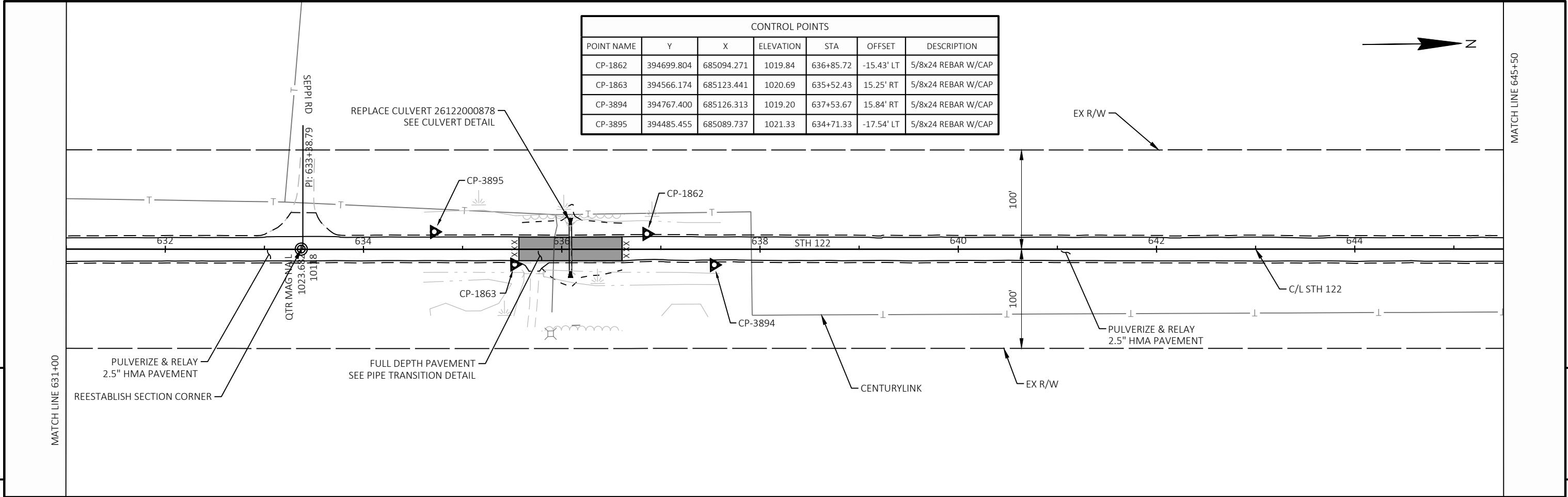


CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-1862	394699.804	685094.271	1019.84	636+85.72	-15.43' LT	5/8x24 REBAR W/CAP
CP-1863	394566.174	685123.441	1020.69	635+52.43	15.25' RT	5/8x24 REBAR W/CAP
CP-3894	394767.400	685126.313	1019.20	637+53.67	15.84' RT	5/8x24 REBAR W/CAP
CP-3895	394485.455	685089.737	1021.33	634+71.33	-17.54' LT	5/8x24 REBAR W/CAP

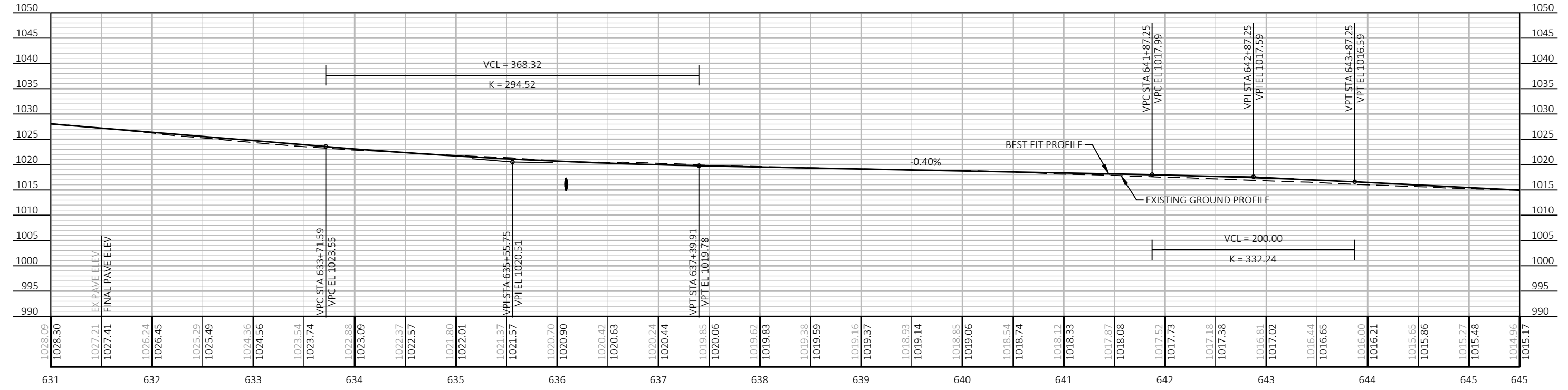


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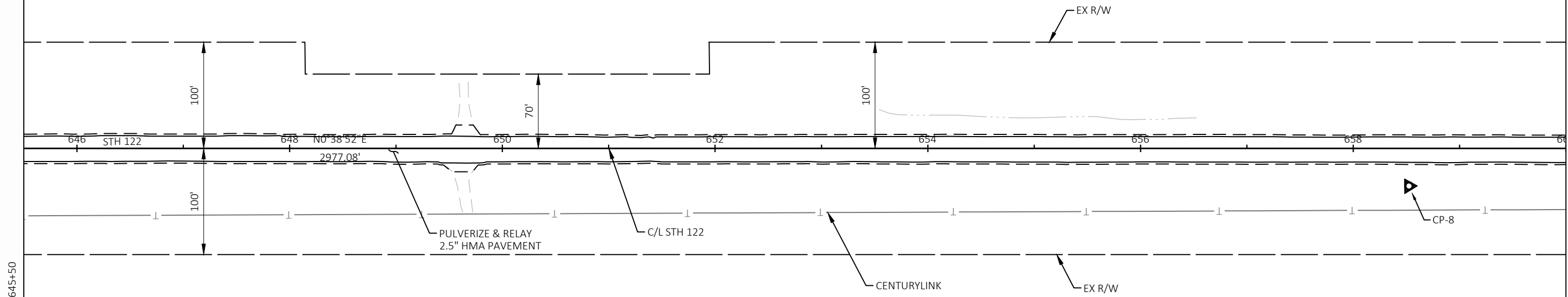
NOTES:
BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.



PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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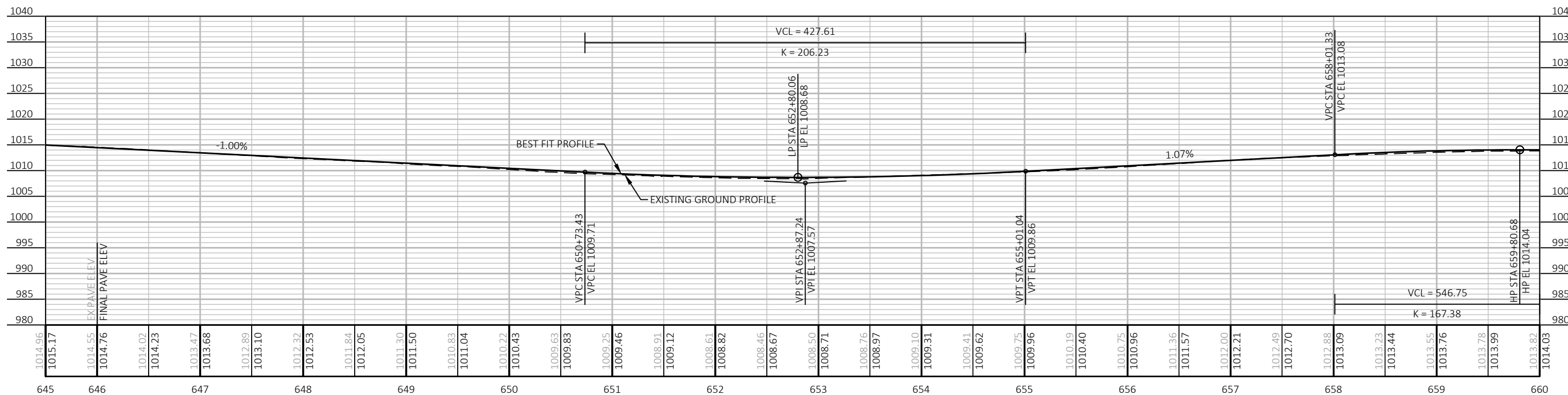


MATCH LINE 645+50

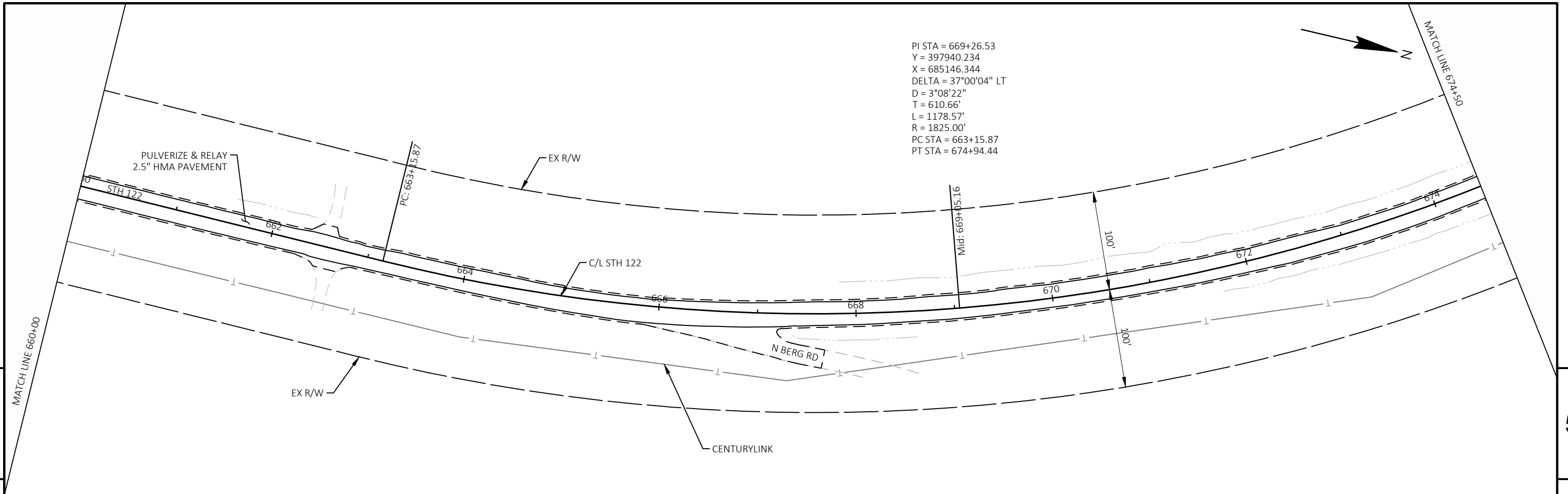
MATCH LINE 660+00

CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-8	396865.809	685169.678	1011.45	658+52.44	35.48' RT	

NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.



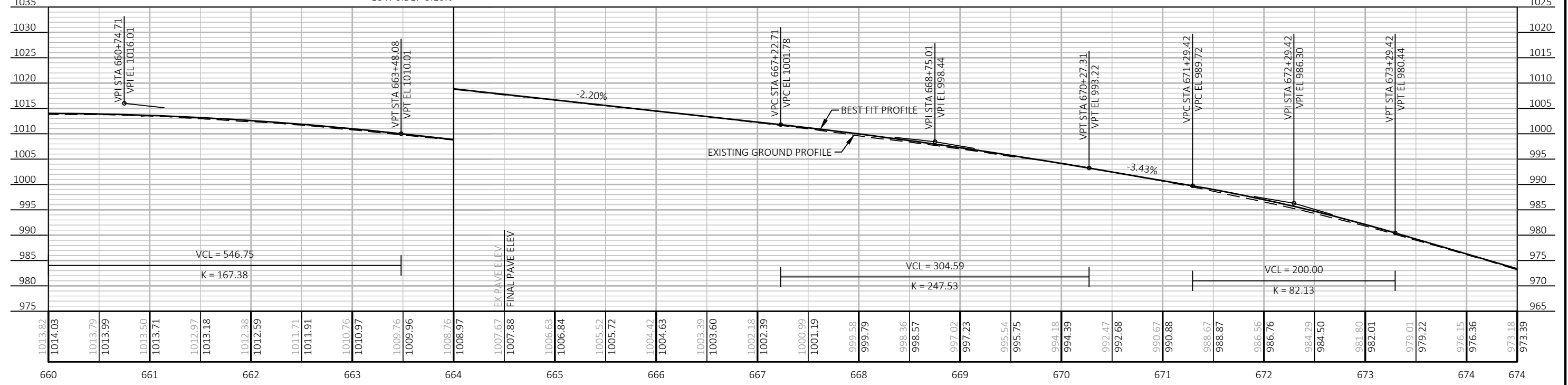
PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON PLAN AND PROFILE: STH 122 SHEET E



SUPERELEVATION INFORMATION:
 BNC - BEGIN NORMAL CROWN
 ENC - END NORMAL CROWN
 BFS - BEGIN FULL SUPERELEVATION
 EFS - END FULL SUPERELEVATION
 RC - REVERSE CROWN
 LC - LEVEL CROWN

661+78.22 ENC
 662+29.20 LC
 662+80.18 RC
 663+59.20 BFS
 HIGH SIDE: 5.10%
 LOW SIDE: -5.10%

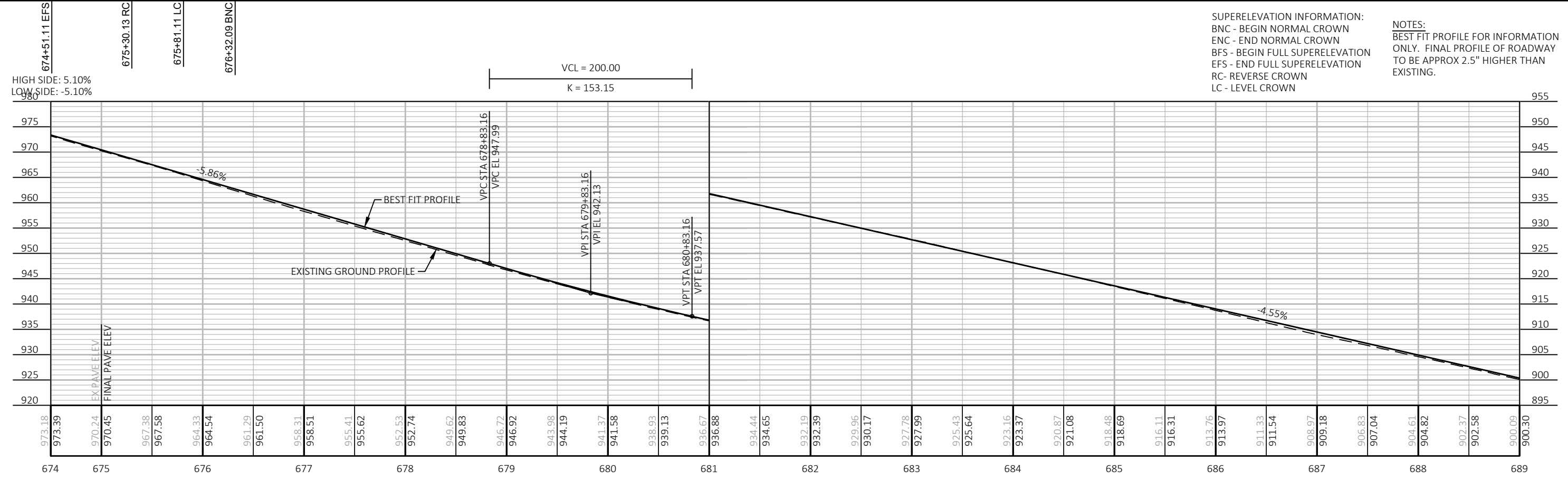
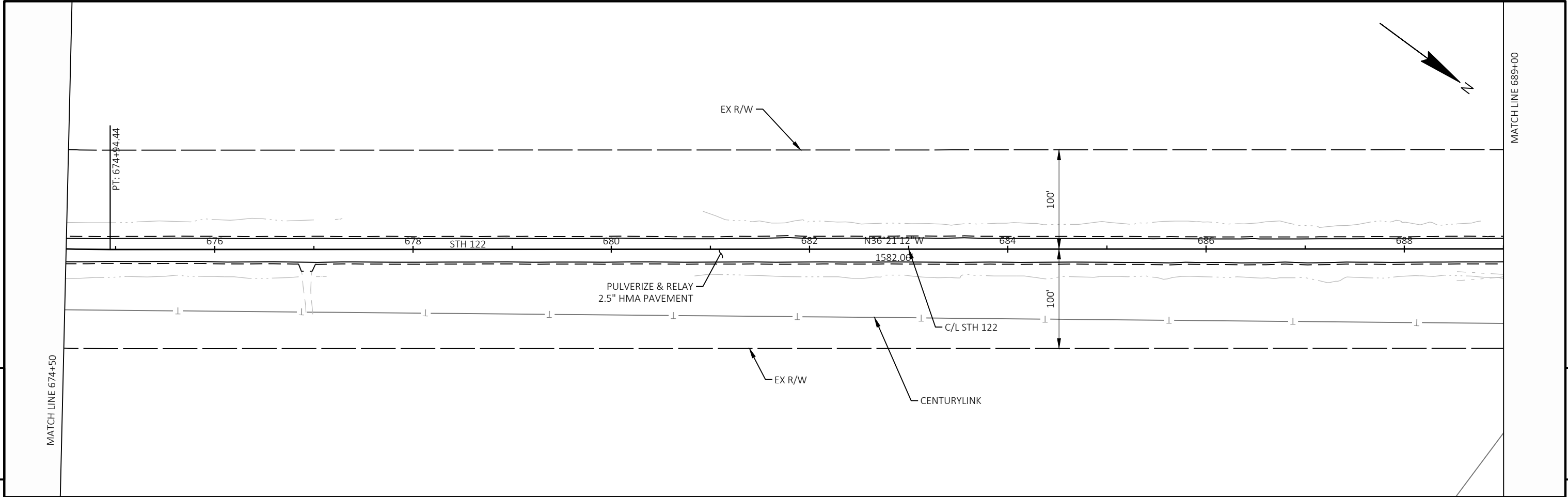
NOTES:
 BEST FIT PROFILE FOR INFORMATION ONLY. FINAL PROFILE OF ROADWAY TO BE APPROX 2.5" HIGHER THAN EXISTING.



PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON PLAN AND PROFILE: STH 122 SHEET: E

5

5



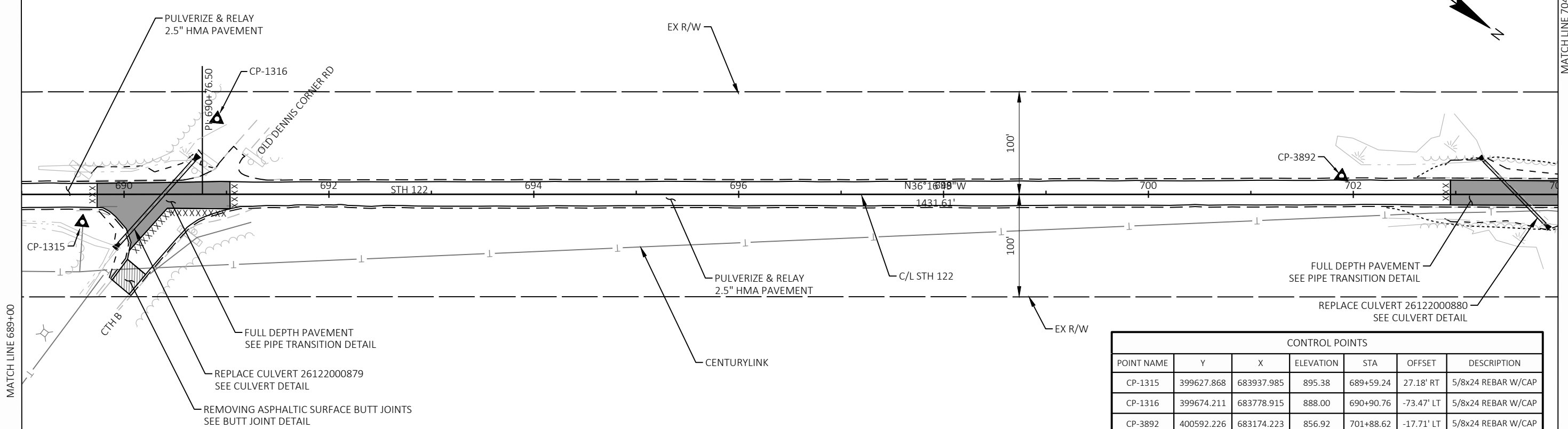
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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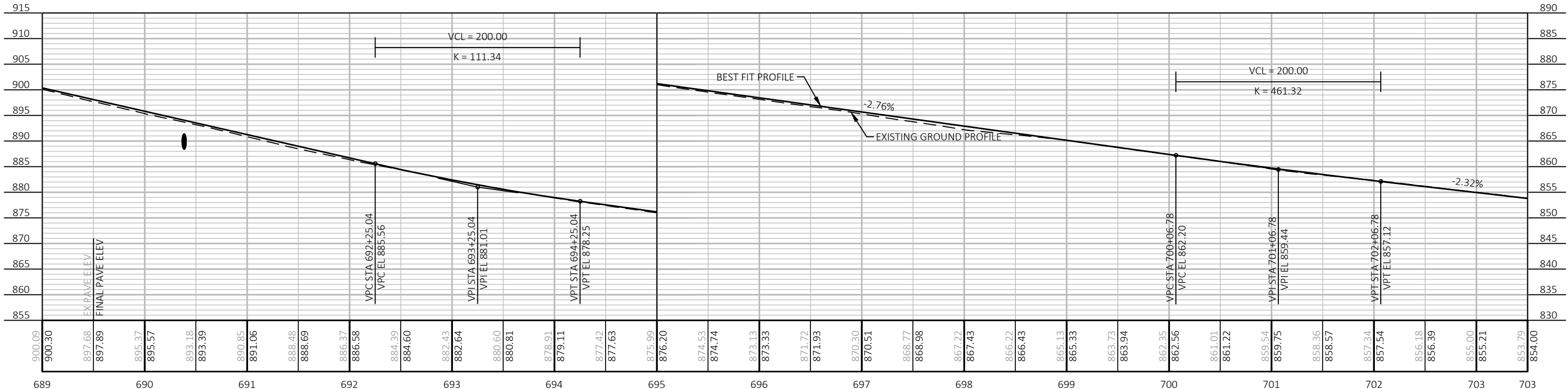
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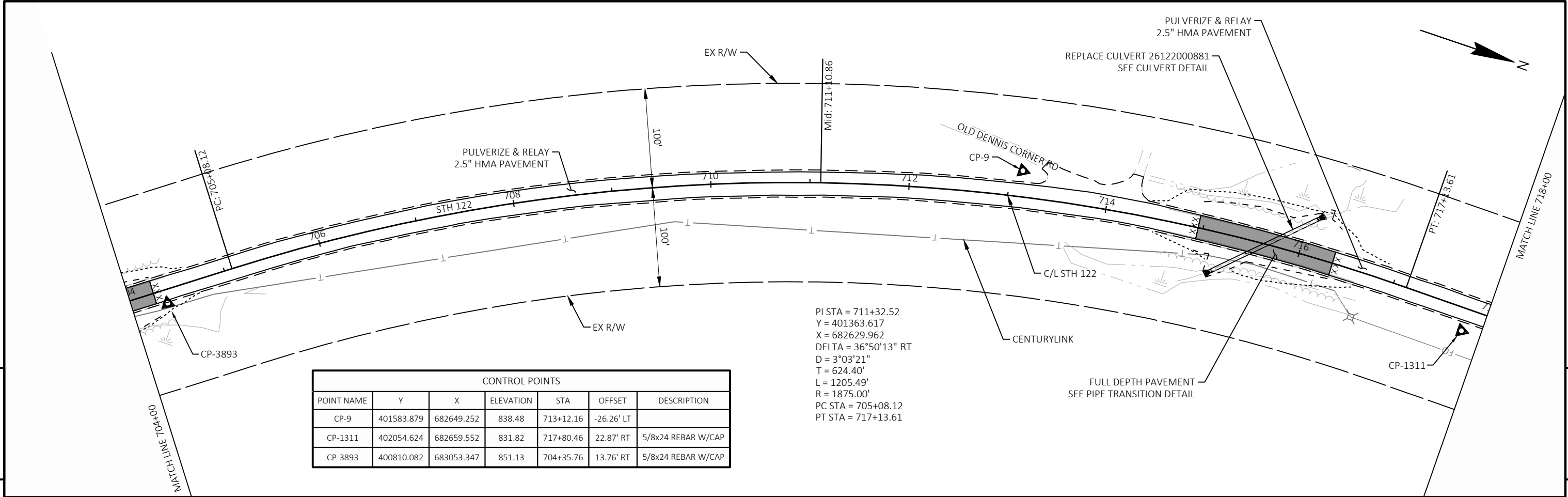
CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-1315	399627.868	683937.985	895.38	689+59.24	27.18' RT	5/8x24 REBAR W/CAP
CP-1316	399674.211	683778.915	888.00	690+90.76	-73.47' LT	5/8x24 REBAR W/CAP
CP-3892	400592.226	683174.223	856.92	701+88.62	-17.71' LT	5/8x24 REBAR W/CAP

NOTES:
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON PLAN AND PROFILE: STH 122 SHEET: 5

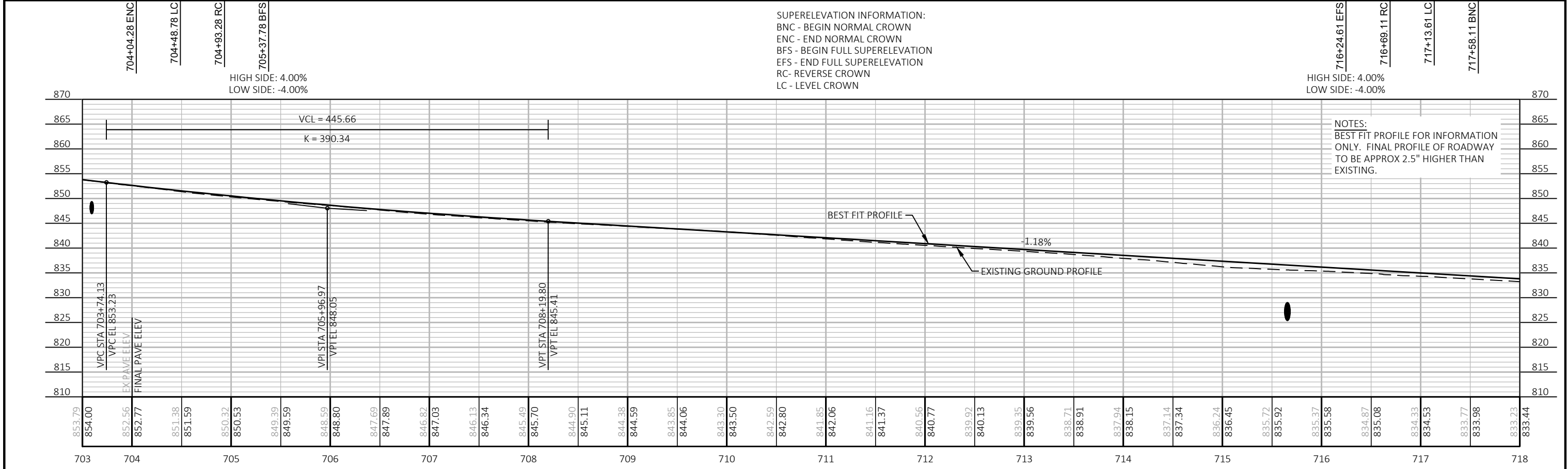
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CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-9	401583.879	682649.252	838.48	713+12.16	-26.26' LT	
CP-1311	402054.624	682659.552	831.82	717+80.46	22.87' RT	5/8x24 REBAR W/CAP
CP-3893	400810.082	683053.347	851.13	704+35.76	13.76' RT	5/8x24 REBAR W/CAP

PI STA = 711+32.52
 Y = 401363.617
 X = 682629.962
 DELTA = 36°50'13" RT
 D = 3°03'21"
 T = 624.40'
 L = 1205.49'
 R = 1875.00'
 PC STA = 705+08.12
 PT STA = 717+13.61

5

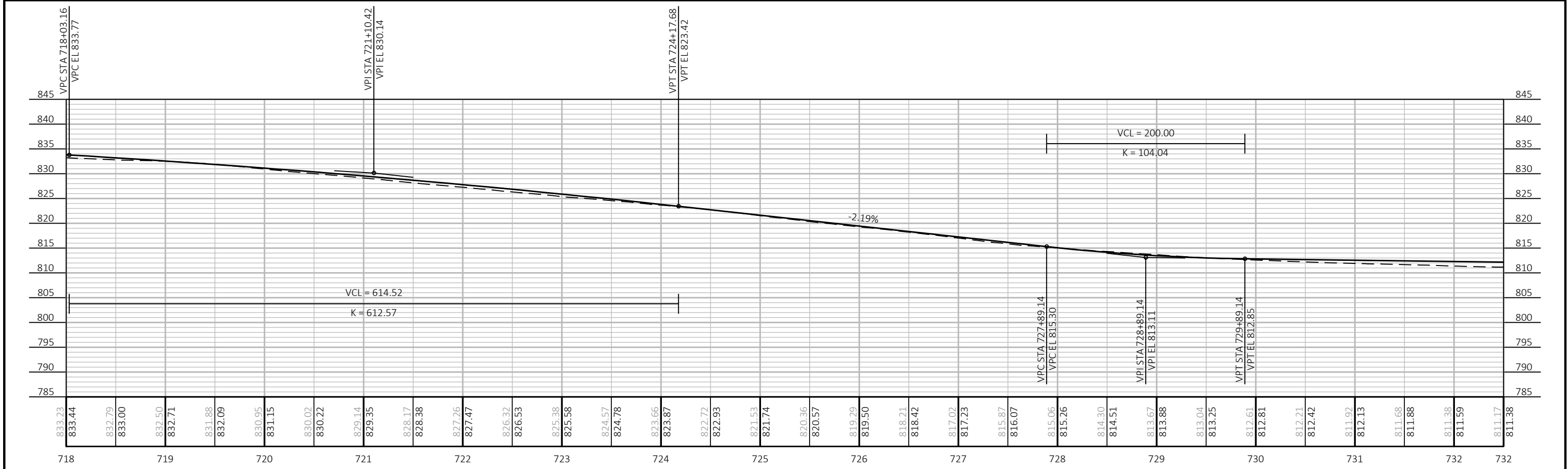
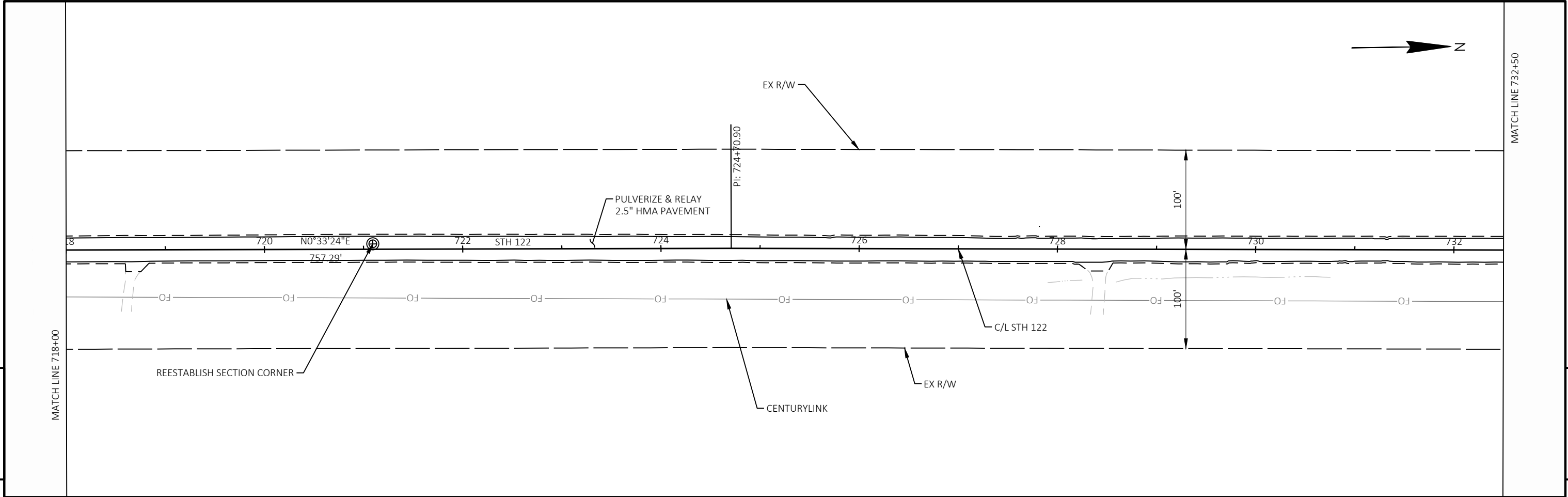


NOTES:
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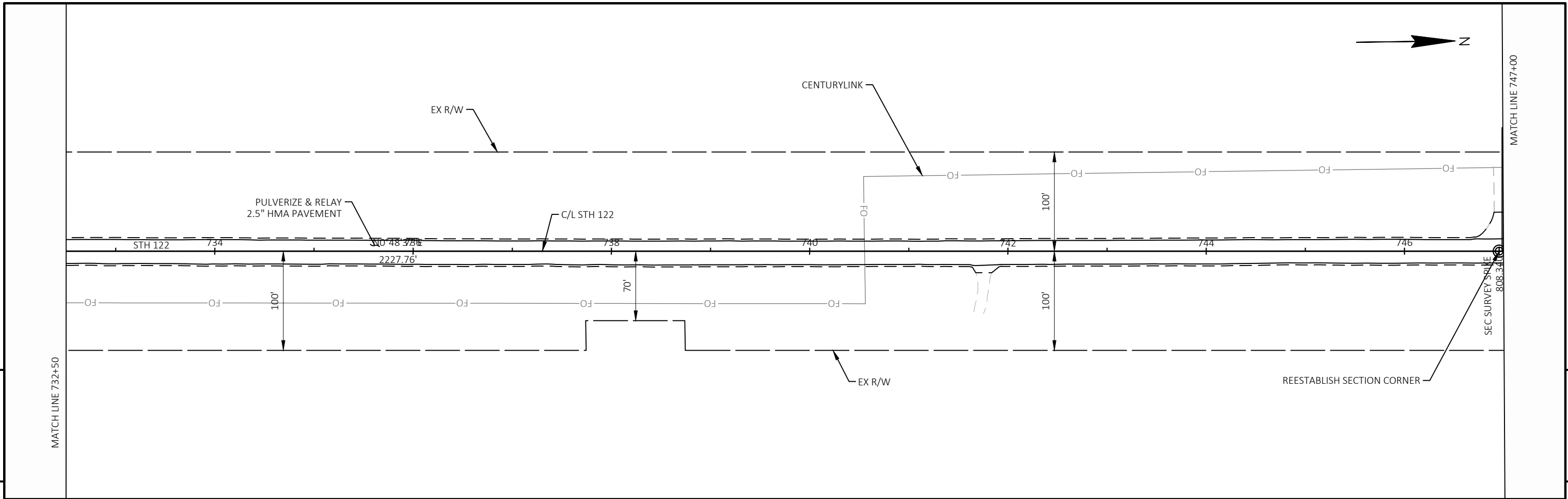
PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET E
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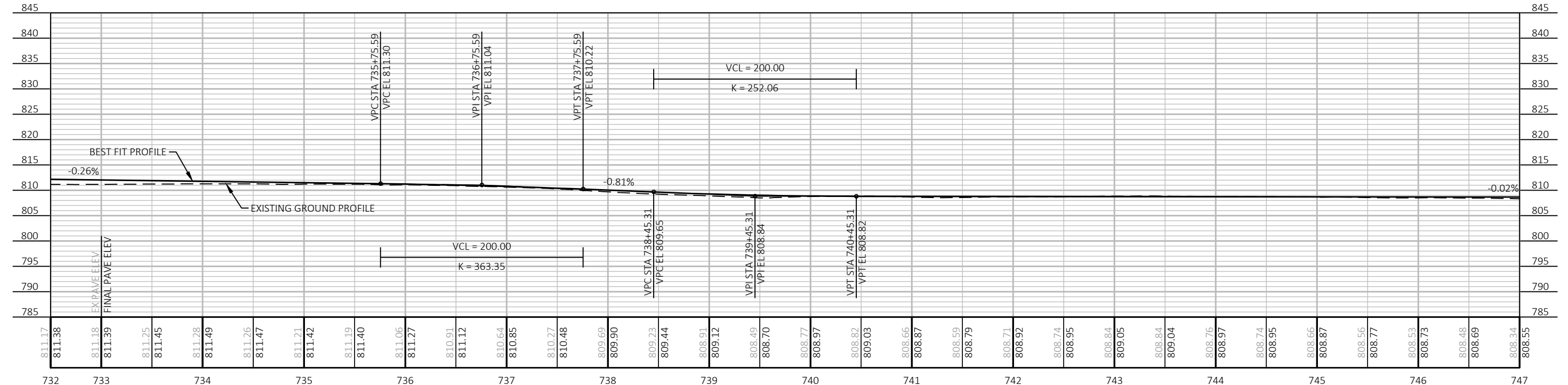
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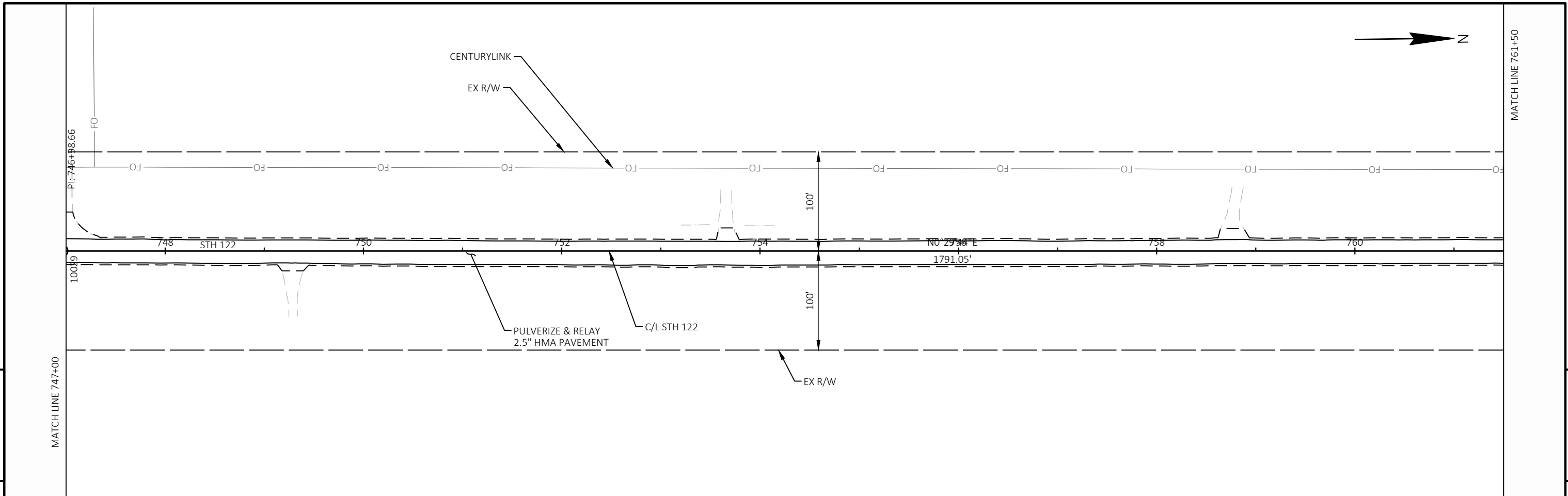
PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122
SHEET			E



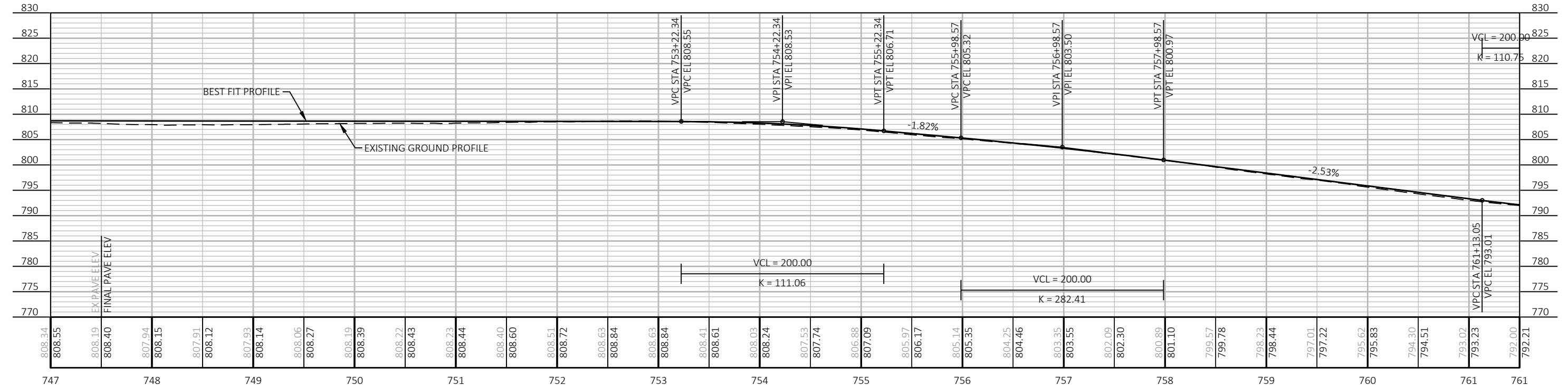
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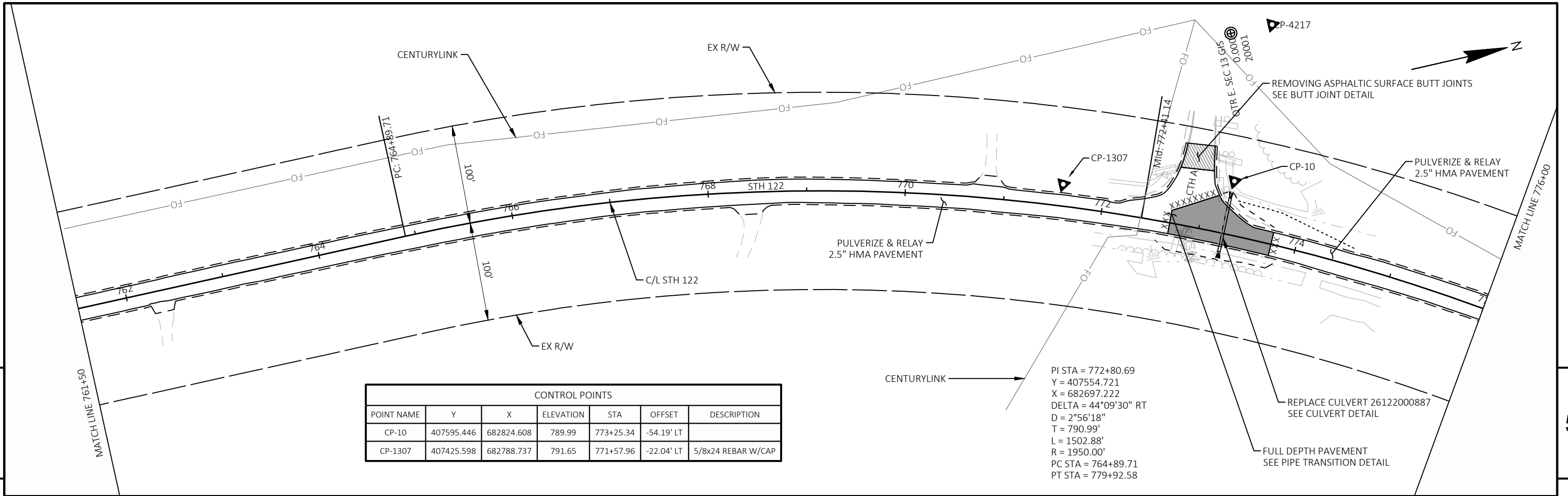
PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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NOTES:
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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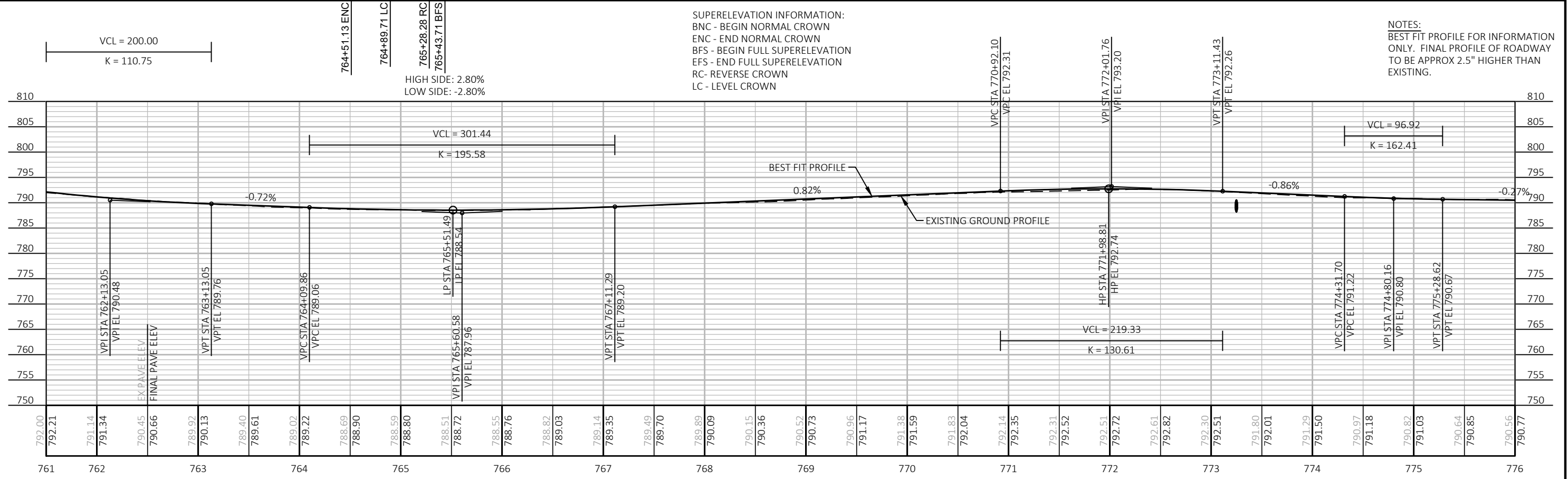


CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-10	407595.446	682824.608	789.99	773+25.34	-54.19' LT	
CP-1307	407425.598	682788.737	791.65	771+57.96	-22.04' LT	5/8x24 REBAR W/CAP

PI STA = 772+80.69
 Y = 407554.721
 X = 682697.222
 DELTA = 44°09'30" RT
 D = 2°56'18"
 L = 790.99'
 R = 1950.00'
 PC STA = 764+89.71
 PT STA = 779+92.58

5

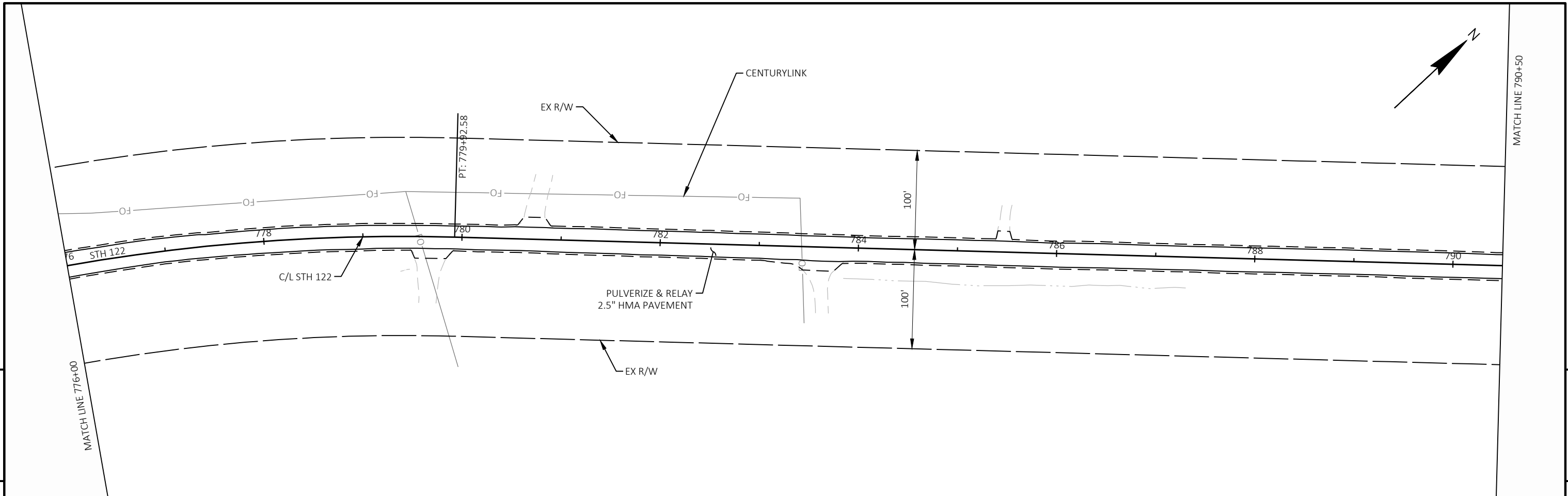
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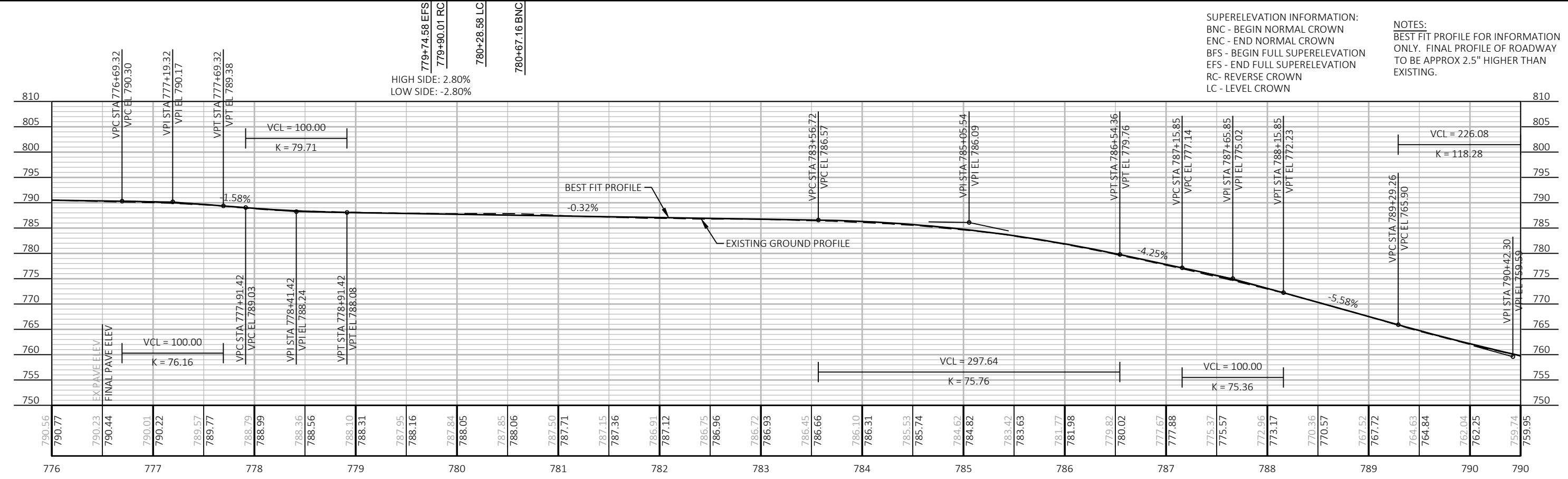
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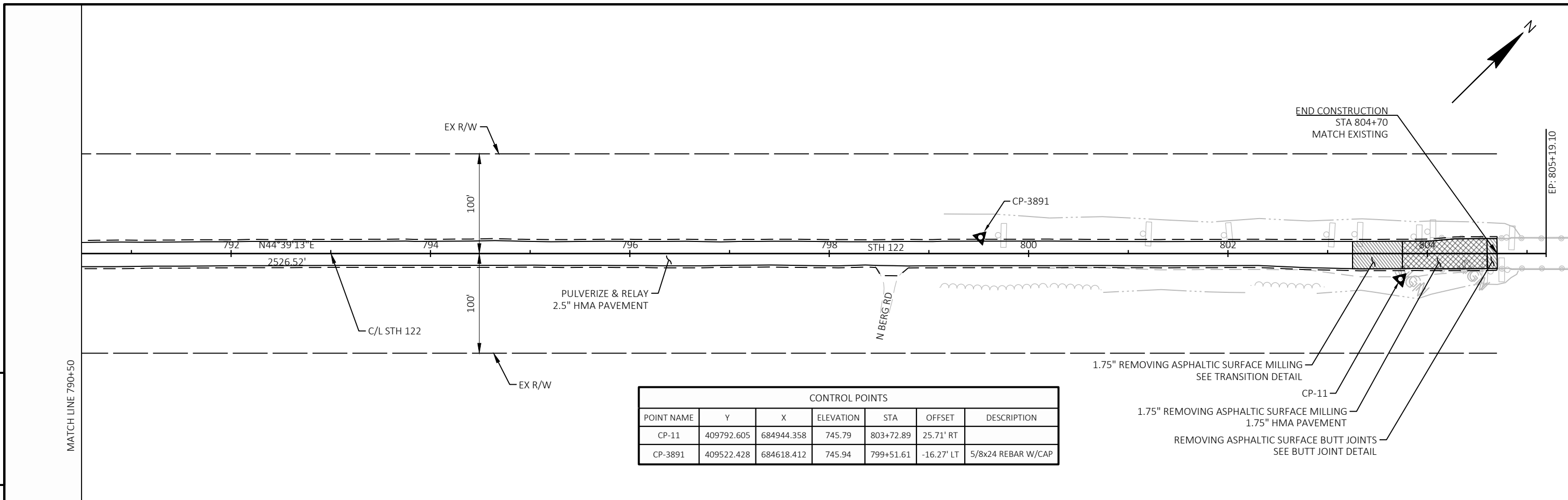
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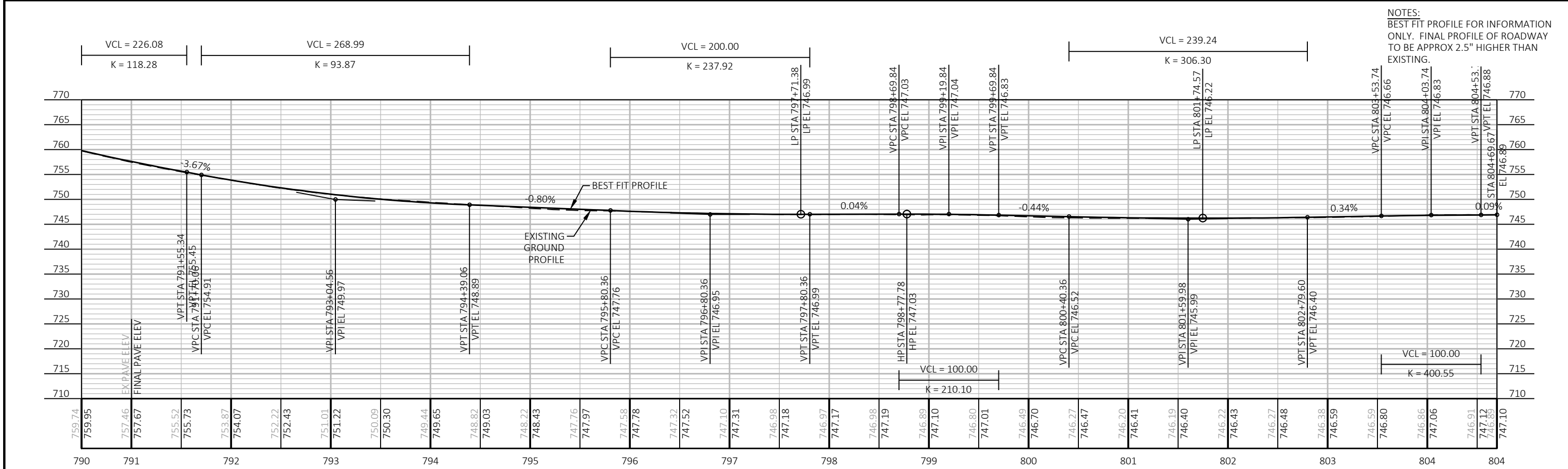
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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CONTROL POINTS						
POINT NAME	Y	X	ELEVATION	STA	OFFSET	DESCRIPTION
CP-11	409792.605	684944.358	745.79	803+72.89	25.71' RT	
CP-3891	409522.428	684618.412	745.94	799+51.61	-16.27' LT	5/8x24 REBAR W/CAP



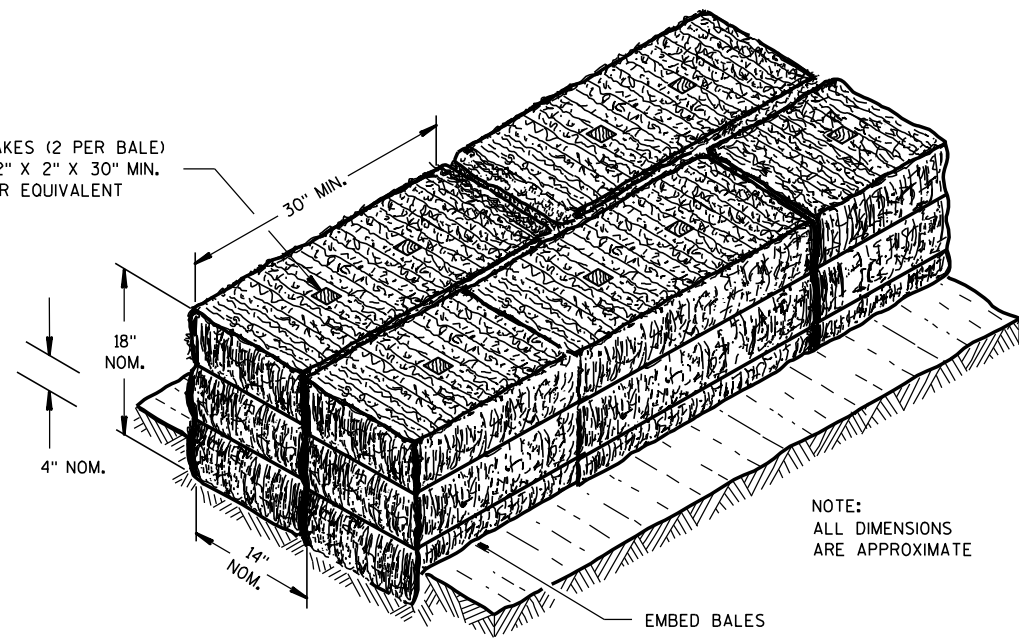
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	PLAN AND PROFILE: STH 122	SHEET	E
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Standard Detail Drawing List

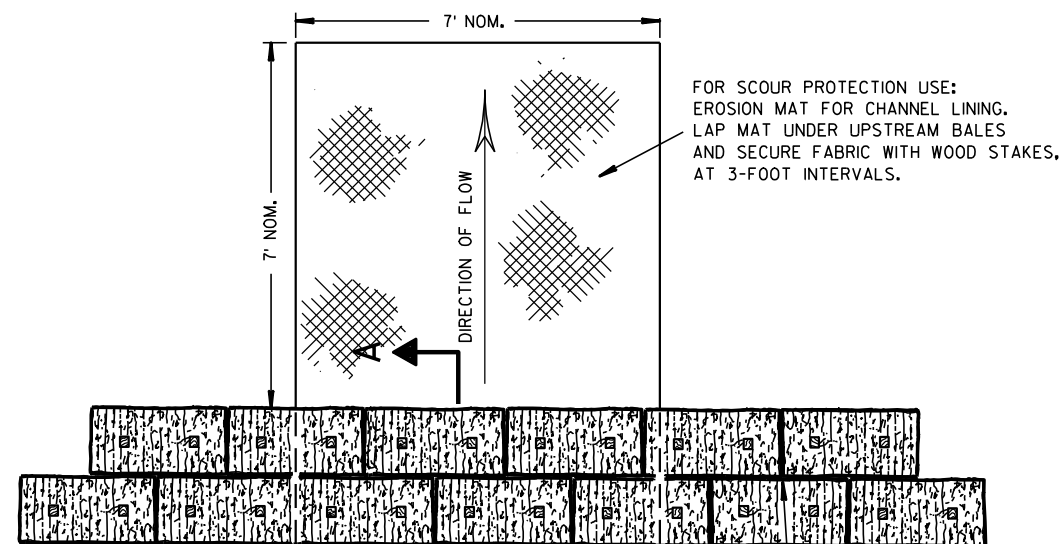
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
13C19-03	HMA LONGITUDINAL JOINTS
14B29-01	SAFETY EDGE
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-08A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-08B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-08C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-08F	ADVANCED WIDTH RESTRICTION SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C04-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45 M.P.H. OR GREATER TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC
15C08-22A	LONGITUDINAL MARKING (MAINLINE)
15C08-22B	TEMPORARY LONGITUDINAL PAVEMENT MARKING
15C11-09B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
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

WOOD STAKES (2 PER BALE)
NOMINAL 2" X 2" X 30" MIN.
LENGTH OR EQUIVALENT



NOTE:
ALL DIMENSIONS
ARE APPROXIMATE

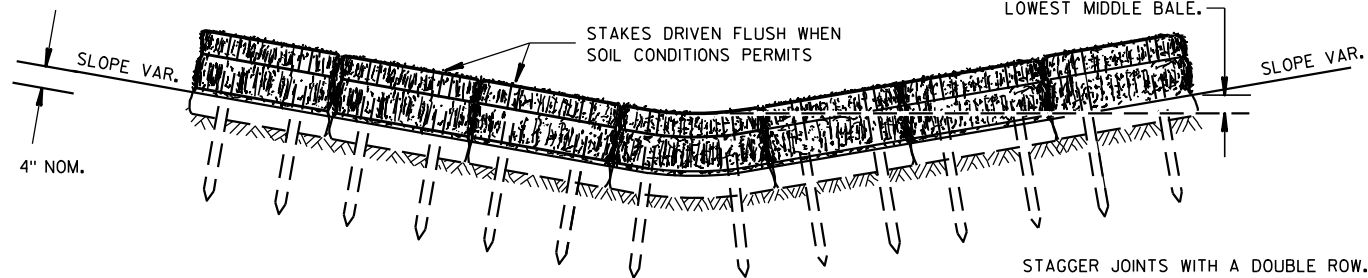
SECTION A-A



PLAN VIEW

STAGGER JOINTS BETWEEN ADJACENT
ROWS OF BALES.

BOTTOM ELEVATION OF END BALE SHALL
BE EQUAL TO OR GREATER THAN TOP OF
LOWEST MIDDLE BALE.



FRONT ELEVATION

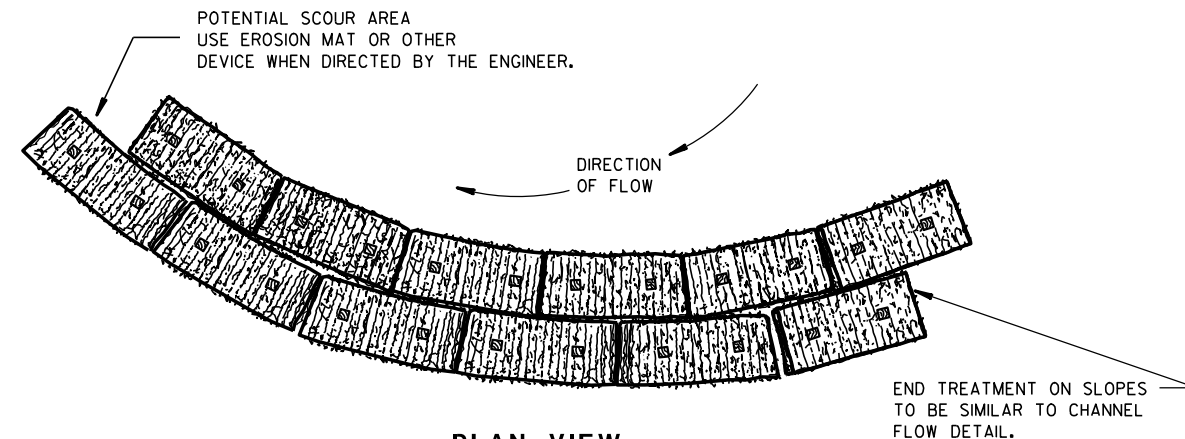
STAGGER JOINTS WITH A DOUBLE ROW.

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

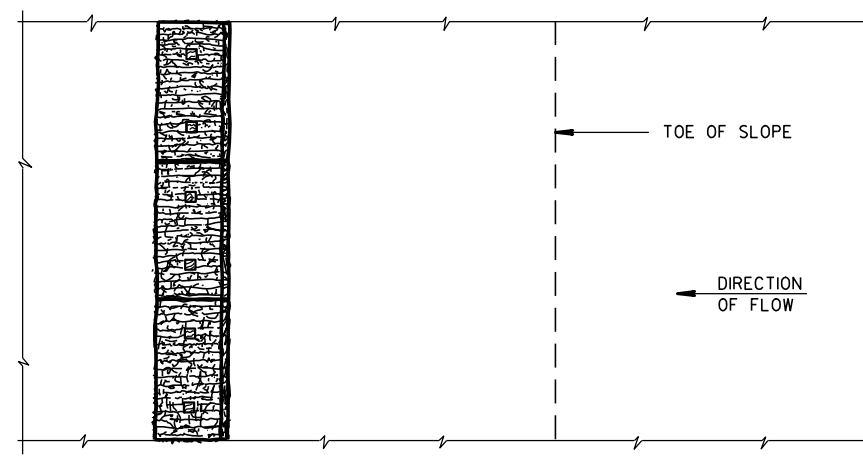
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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

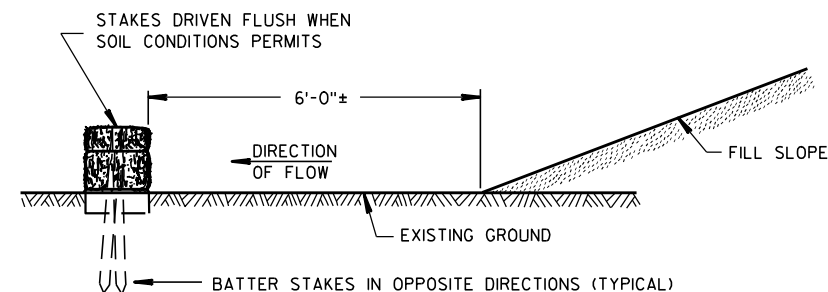


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

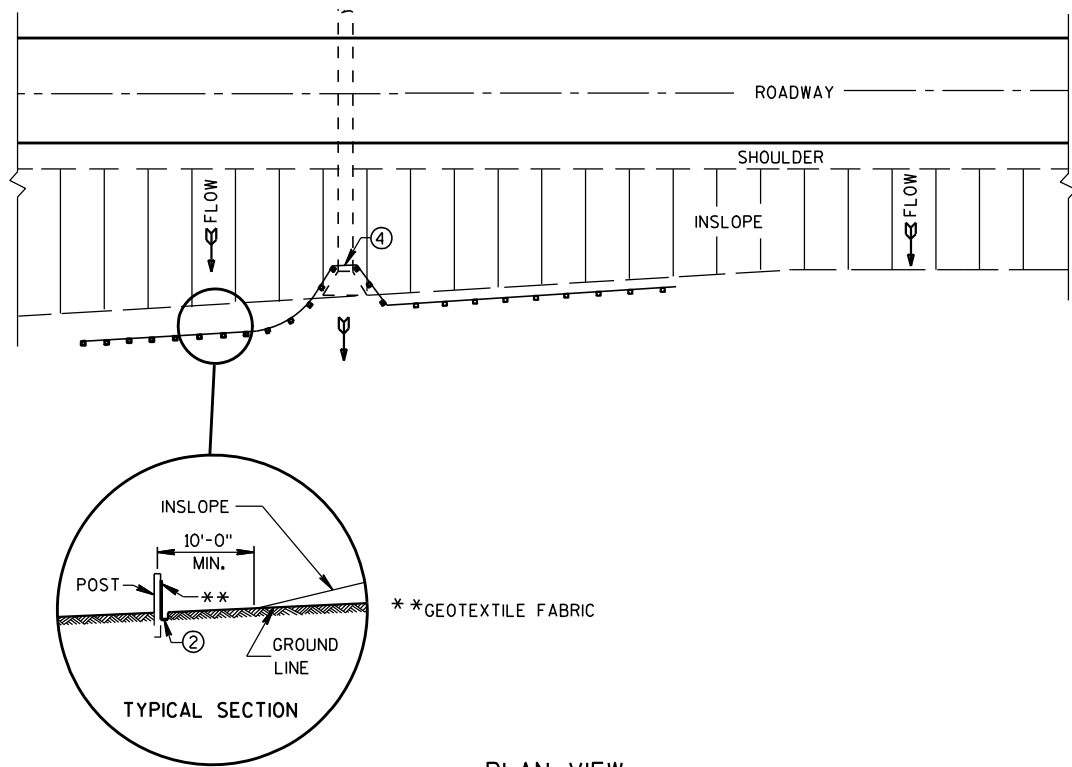
WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

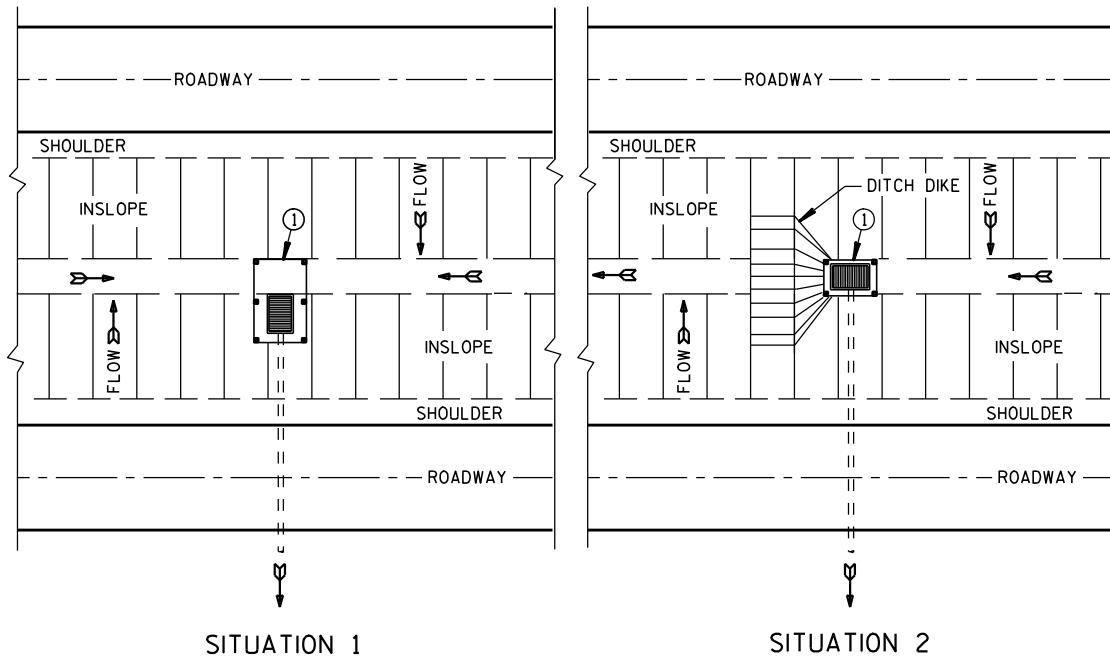
TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



PLAN VIEW
TYPICAL APPLICATION OF SILT FENCE

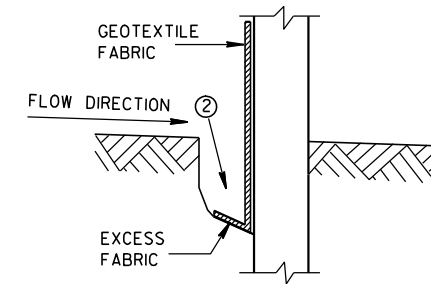


SITUATION 1 SITUATION 2
PLAN VIEW
SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

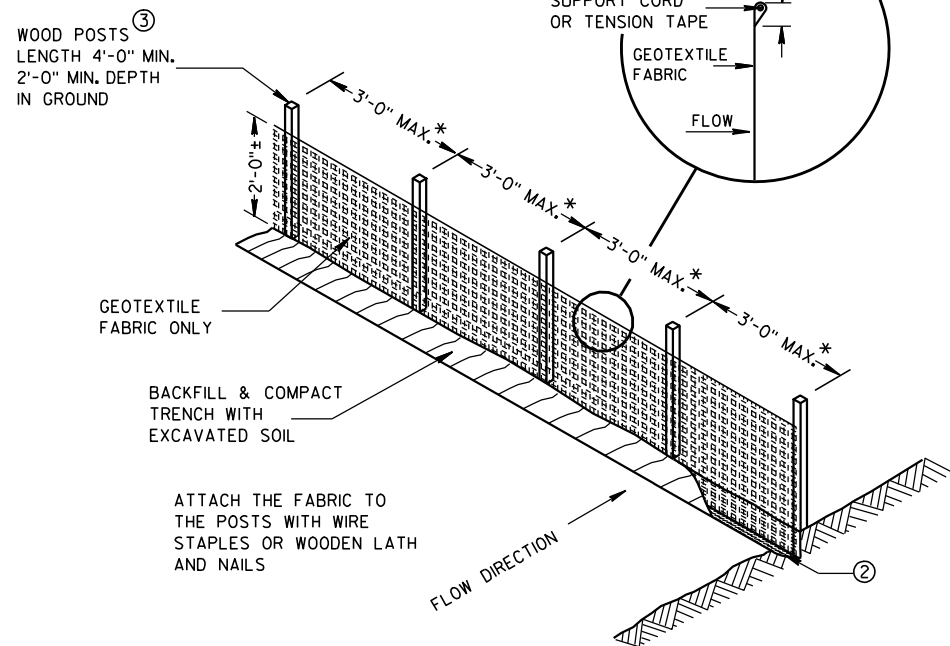
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

- 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 1 1/8" X 1 1/8" 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.

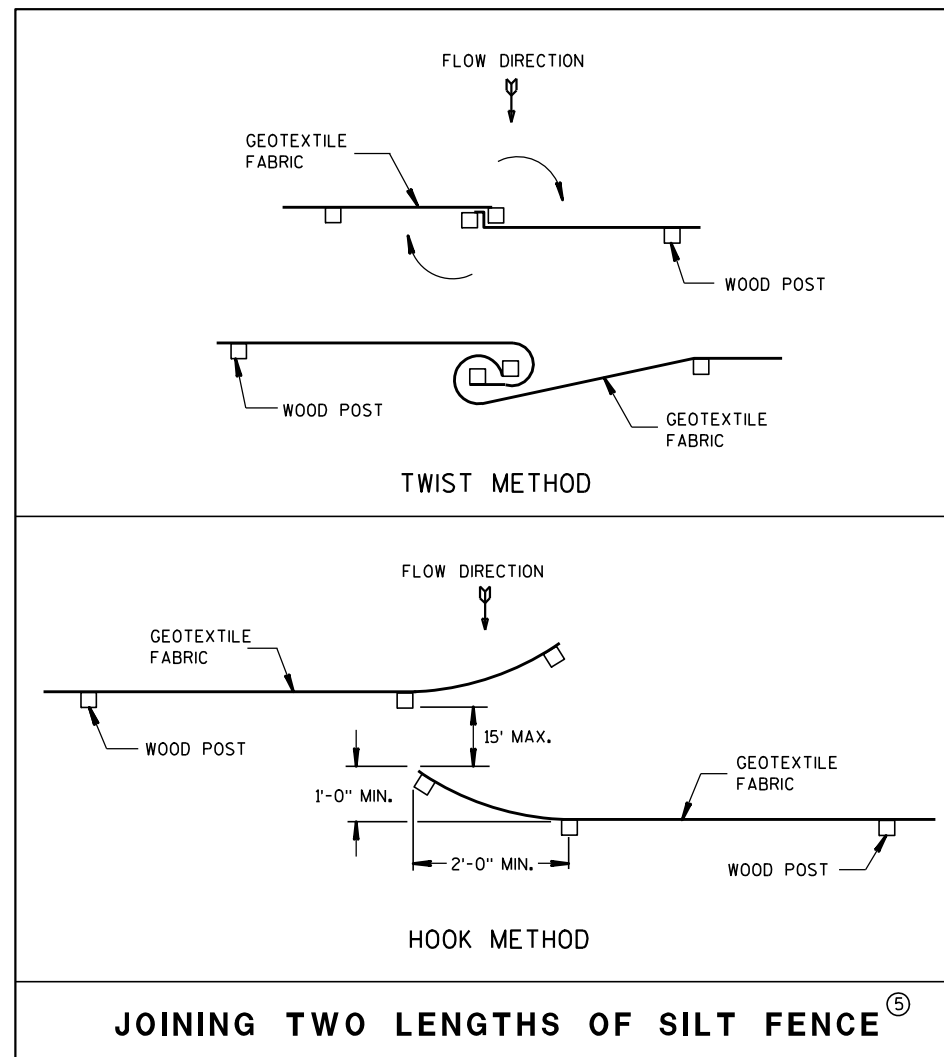


TRENCH DETAIL

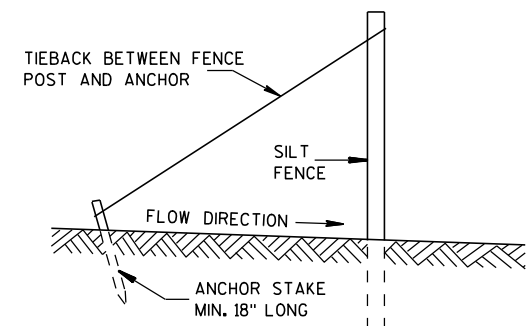
NOTE: ADDITIONAL POST DEPTH OR TIE BACKS MAY BE REQUIRED IN UNSTABLE SOILS



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

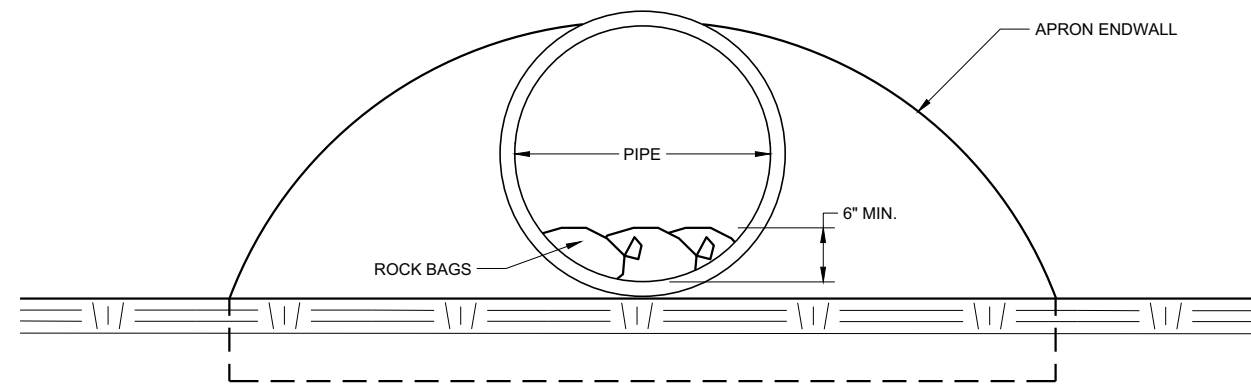
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

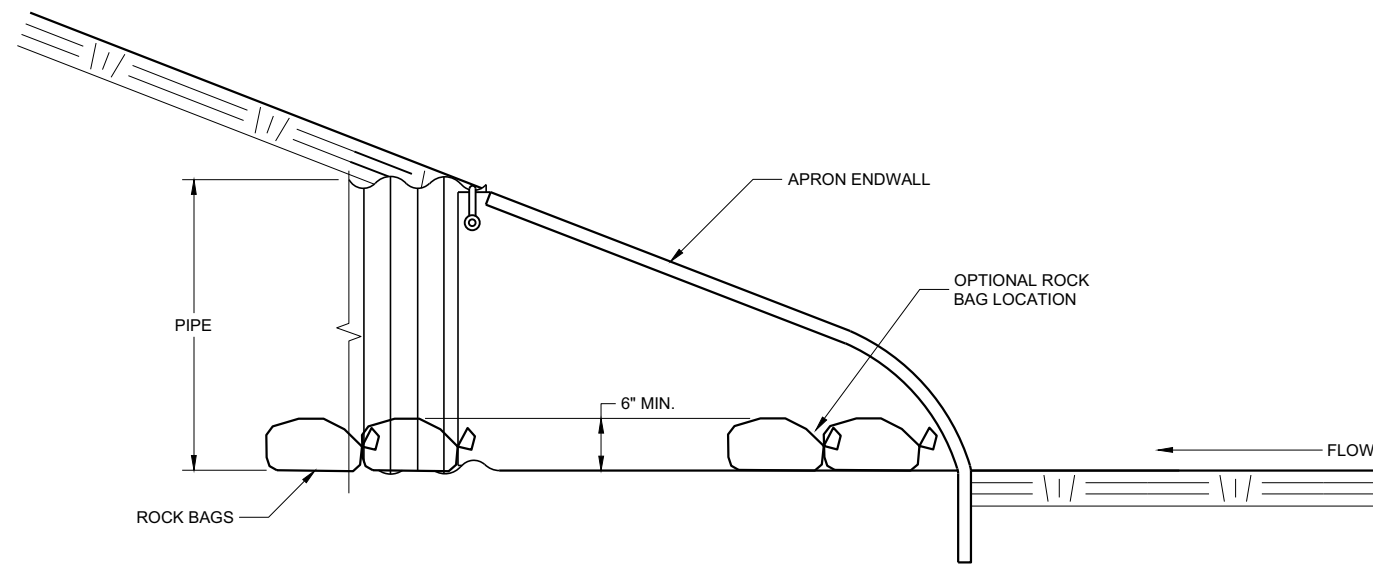
4-29-05
DATE

FHWA

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER



END VIEW



SIDE VIEW

CULVERT PIPE CHECK
(INSTALL ON INLET END ONLY)

6

6

SDD 08E15 - 01

SDD 08E15 - 01

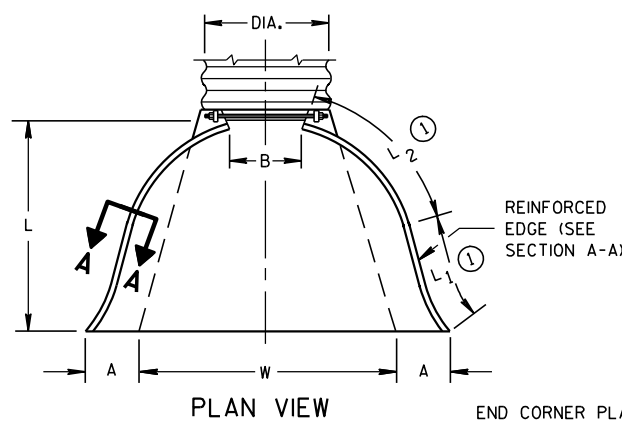
CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGINEER
<small>FHWA</small>	

METAL APRON ENDWALLS											
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L ₁ (1)	L ₂ (1)	W (±2")		
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	.109x	.105x	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109x	.105x	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109x	.105x	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109x	.105x	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109x	.105x	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109x	.105x	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109x	.105x	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

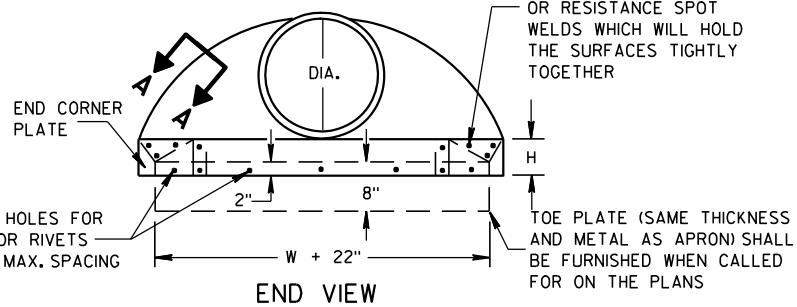
* EXCEPT CENTER PANEL SEE GENERAL NOTES

REINFORCED CONCRETE APRON ENDWALLS									
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE	
	T	A	B	C	D	E	G		
12	2	4	24	48 1/8	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 1/2 to 1	
60	6	30-35	60	39	99	96	5	2 to 1	
66	6 1/2	30-35	72-78	21-27	99	102	5 1/2	2 to 1	
72	7	30-35	78	21	99	108	6	2 to 1	
78	7 1/2	30-35	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

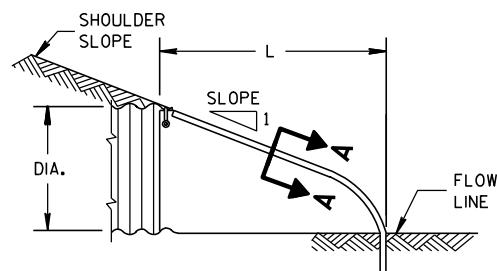


REINFORCED EDGE (SEE SECTION A-A)
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER

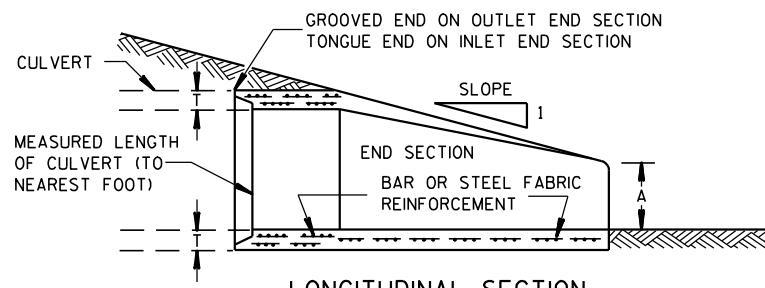
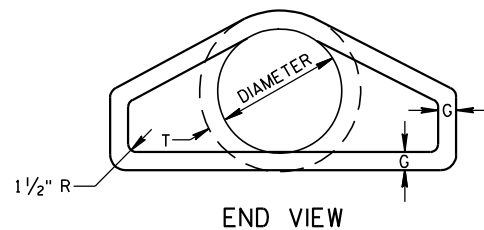
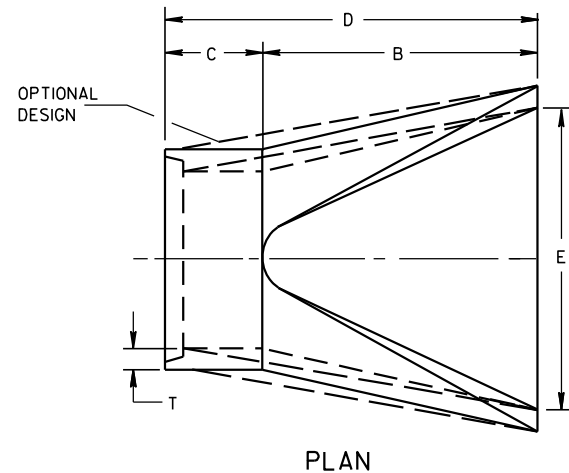


7/16" DIA. HOLES FOR BOLTS OR RIVETS 12" C-C MAX. SPACING

TOE PLATE (SAME THICKNESS AND METAL AS APRON) SHALL BE FURNISHED WHEN CALLED FOR ON THE PLANS

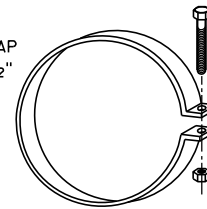


METAL ENDWALLS

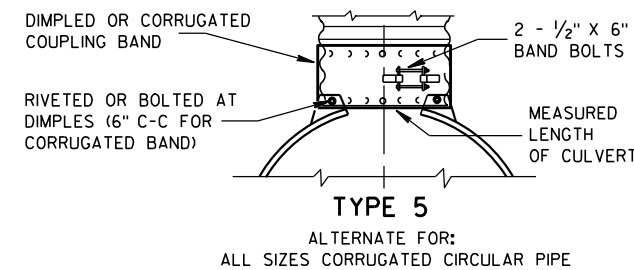
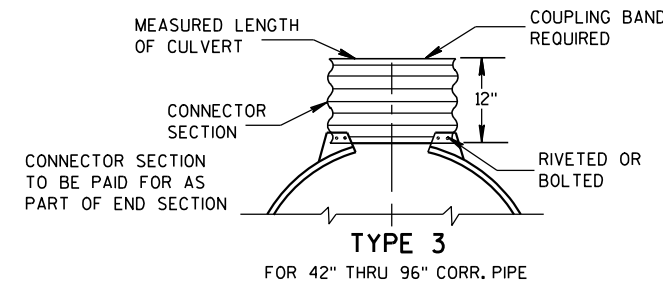
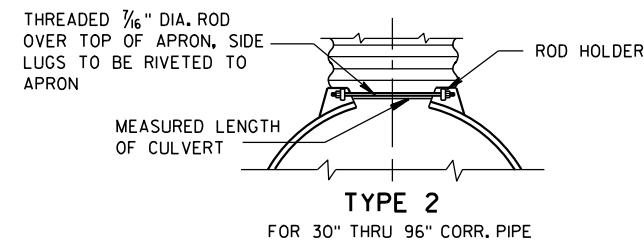
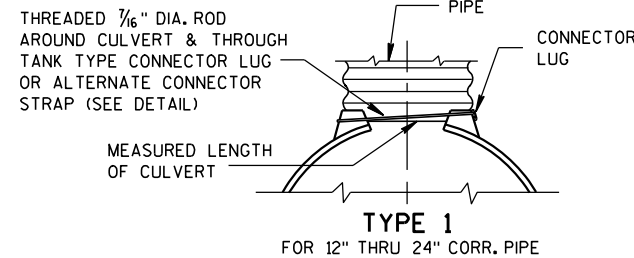


CONCRETE ENDWALLS

1" WIDE, 12 GA. (0.109" THICK) GALVANIZED STRAP WITH STANDARD 6" X 1/2" BAND BOLT AND NUT



ALTERNATE FOR TYPE 1 CONNECTION
END SECTION CONNECTOR STRAP



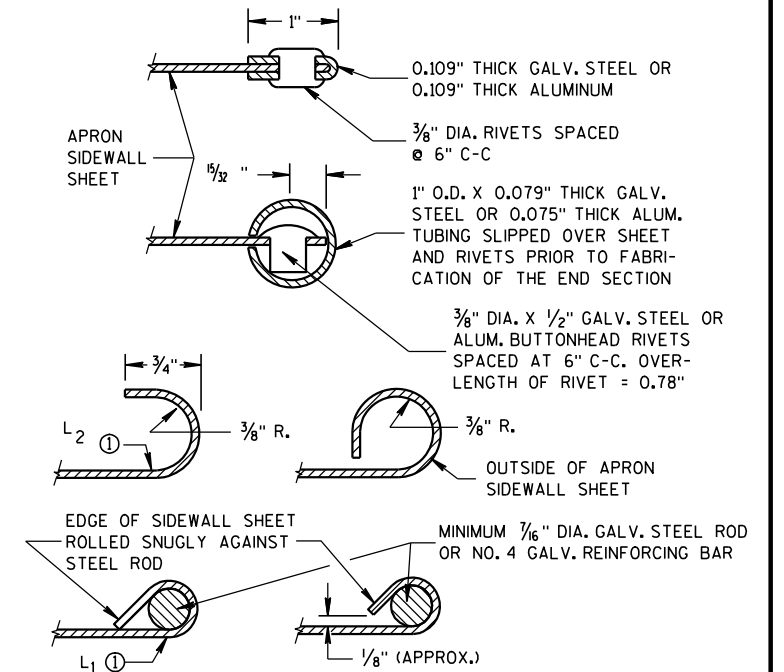
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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 VICE 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.

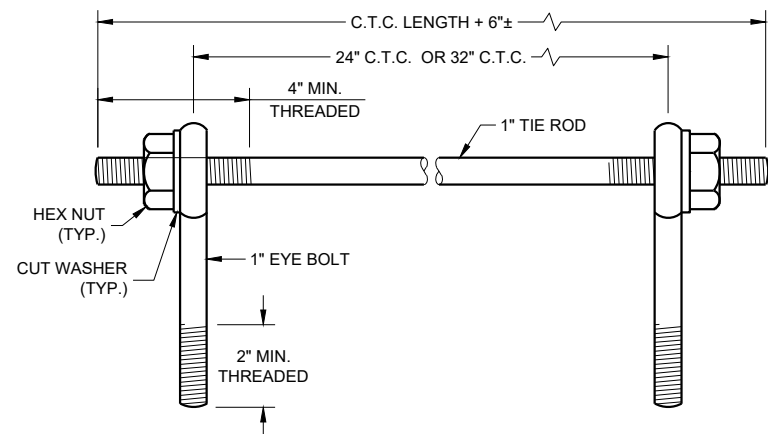
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

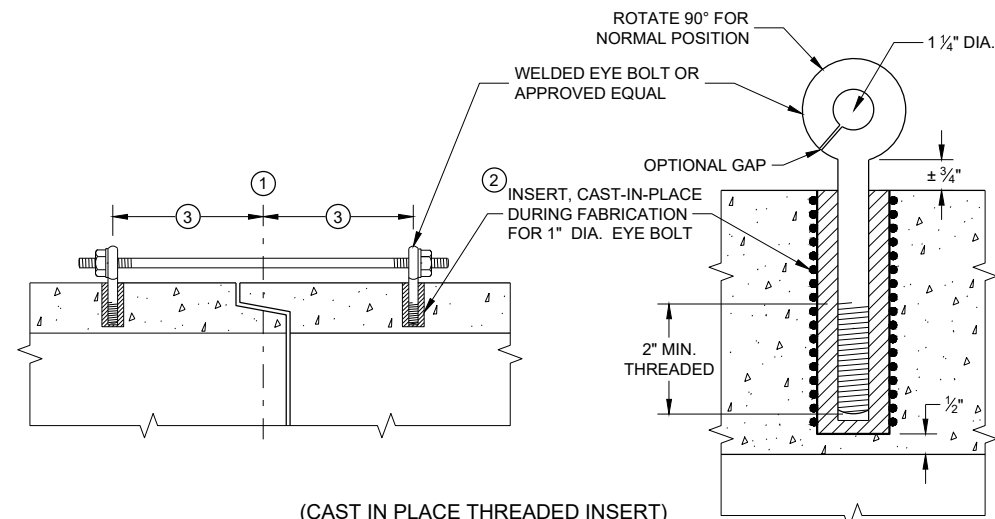
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



EYE BOLTS AND TIE ROD

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)



(CAST IN PLACE THREADED INSERT)
LONGITUDINAL SECTIONS

GENERAL NOTES

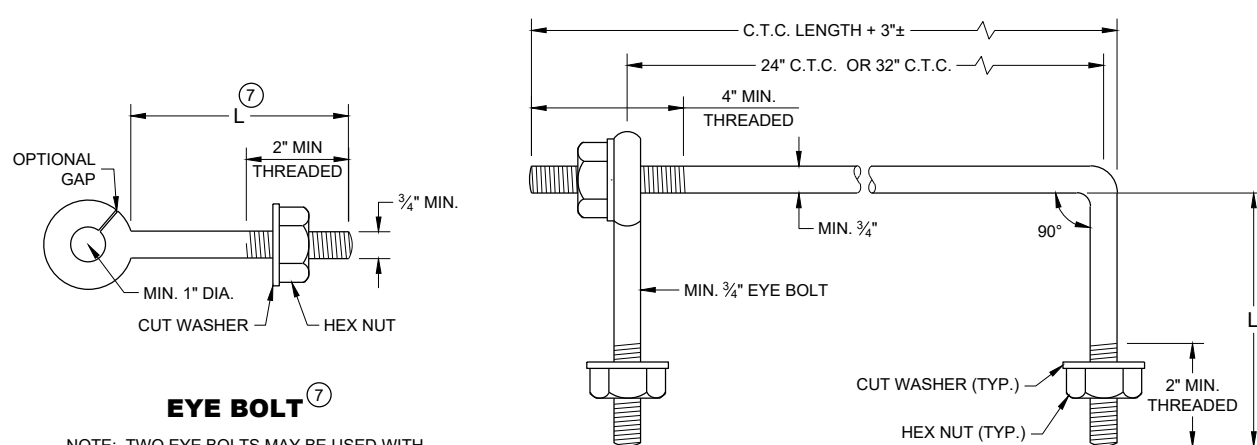
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

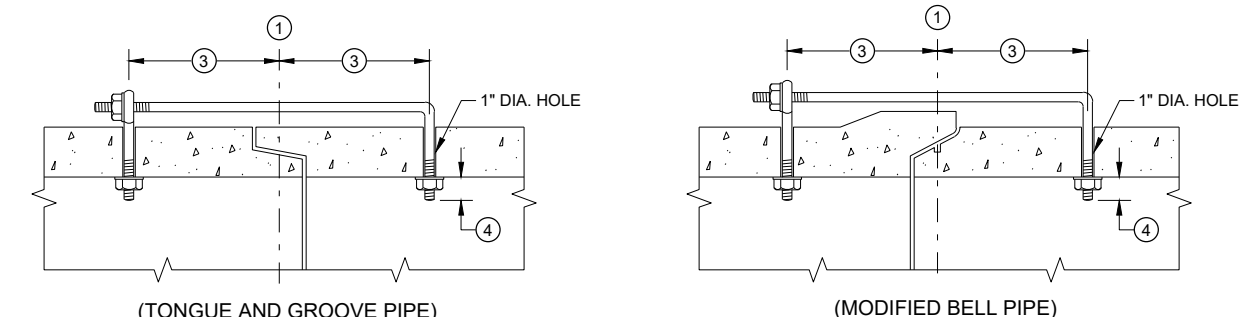
- ① CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.
- ② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.
- ③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.
- ④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.
- ⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.
- ⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 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 AND TIE ROD

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.



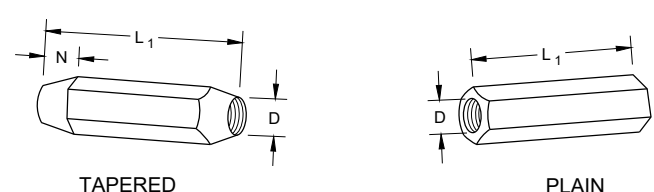
LONGITUDINAL SECTION
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

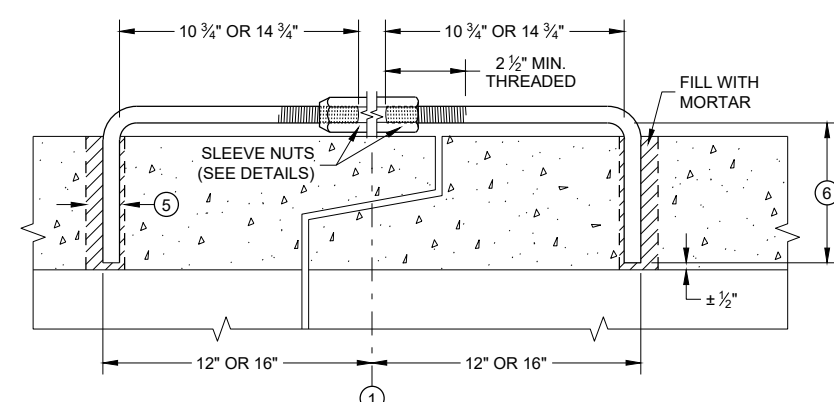
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L ₁	N
12 - 60	5/8	5/8	5	1/2
66 - 84	3/4	3/4	5	1/2
90 - 144	1	1	7	1 1/16

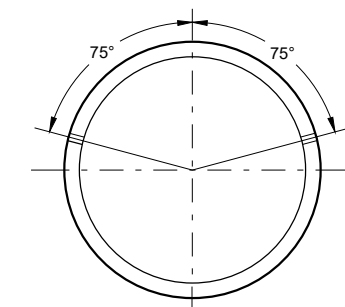
DIMENSIONS SHOWN ARE IN INCHES



RIGHT AND LEFT THREADS SLEEVE NUTS

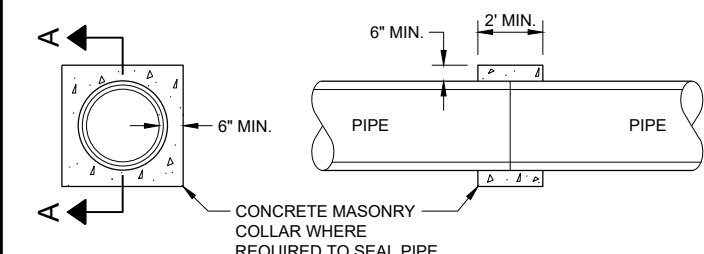


LONGITUDINAL SECTION
ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION

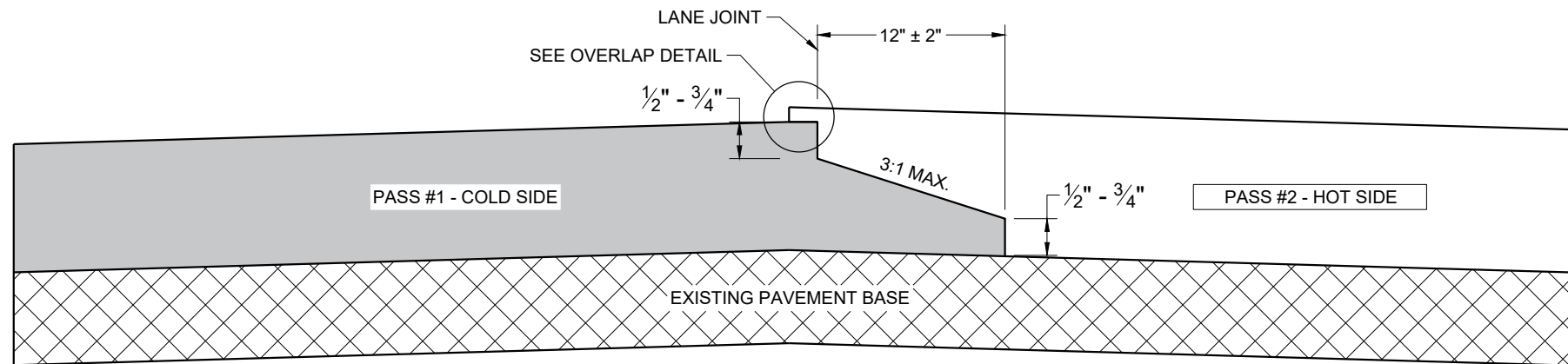


SECTION A - A
CONCRETE COLLAR DETAIL

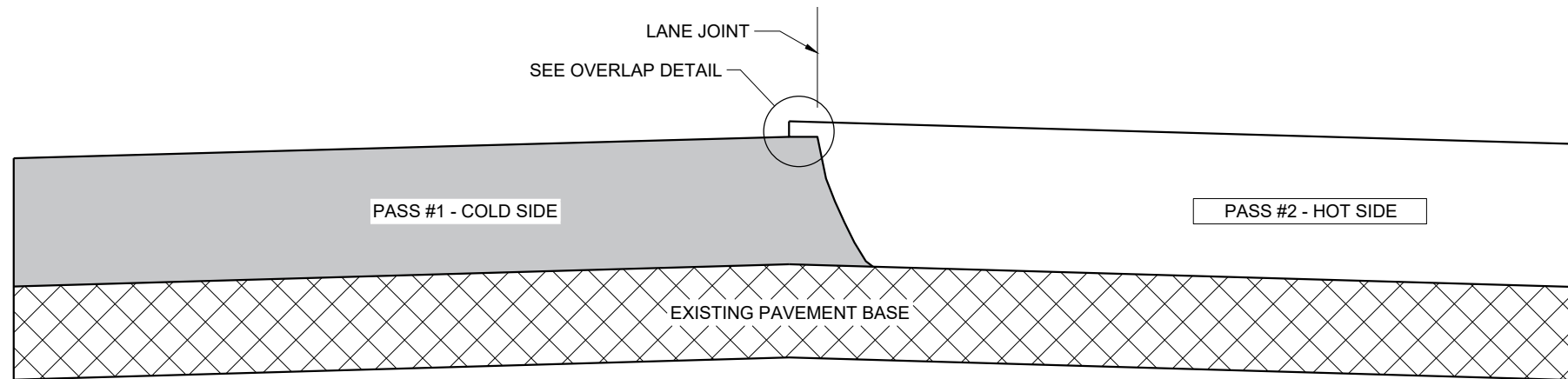
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

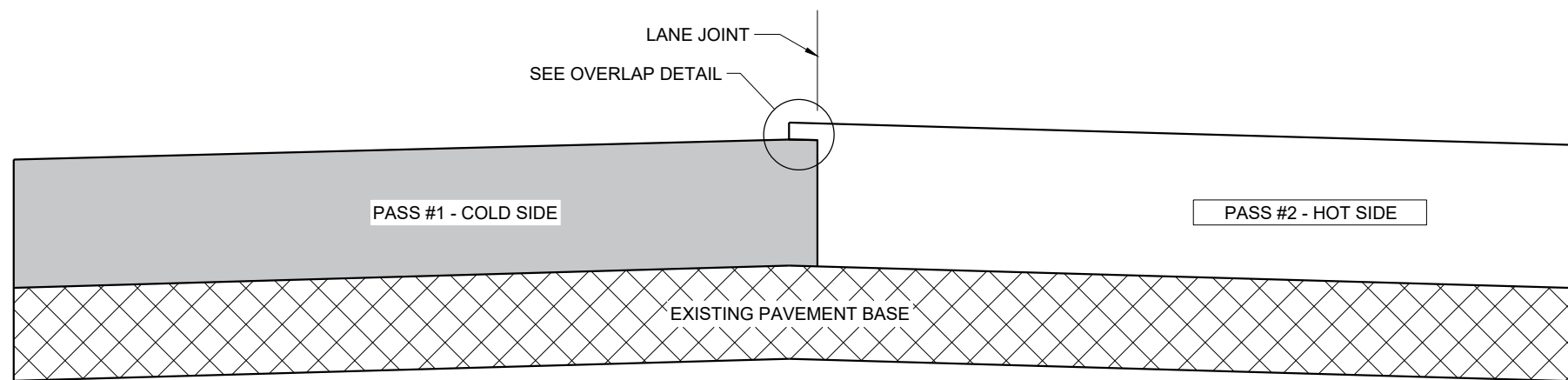
APPROVED
November 2021 /S/ Rodney Taylor
DATE ROADWAY STANDARDS DEVELOPMENT
ENGINEER
FHWA



TYPICAL PAVEMENT CROSS SECTION NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION VERTICAL JOINT (MILLED)

GENERAL NOTES

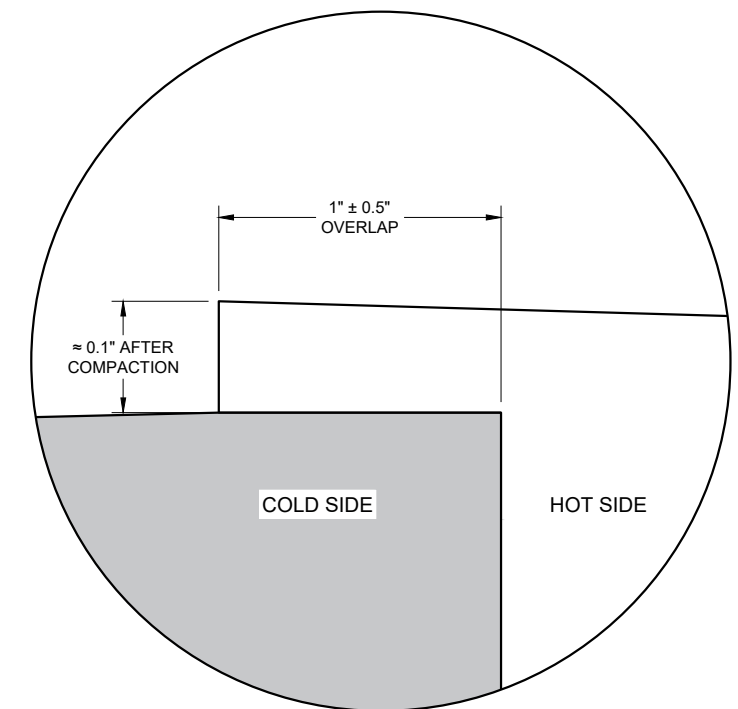
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY $1" \pm 0.5"$ 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)

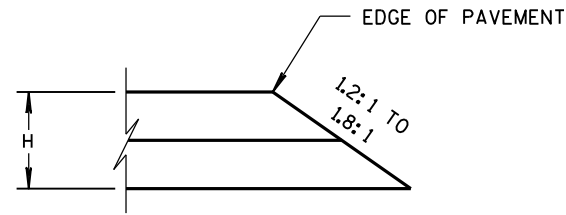
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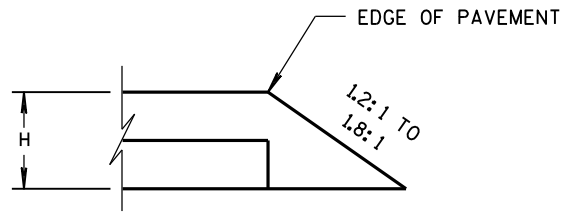
SDD 13C19 - 03

SDD 13C19 - 03

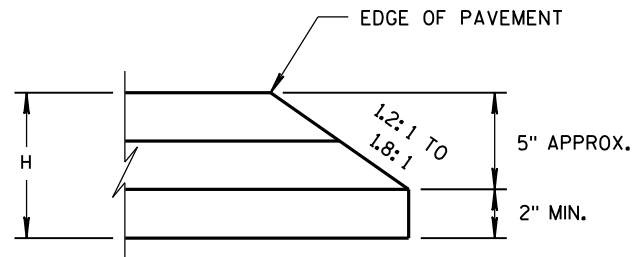
HMA LONGITUDINAL JOINTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2020 DATE	/S/ Steven Hefel HMA PAVEMENT ENGINEER
FHWA	



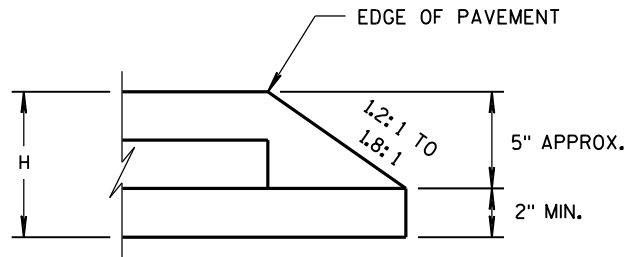
CONSTRUCTED WITH FINAL TWO LAYERS
FOR H 5" OR LESS



CONSTRUCTED WITH FINAL LAYER
FOR H 5" OR LESS

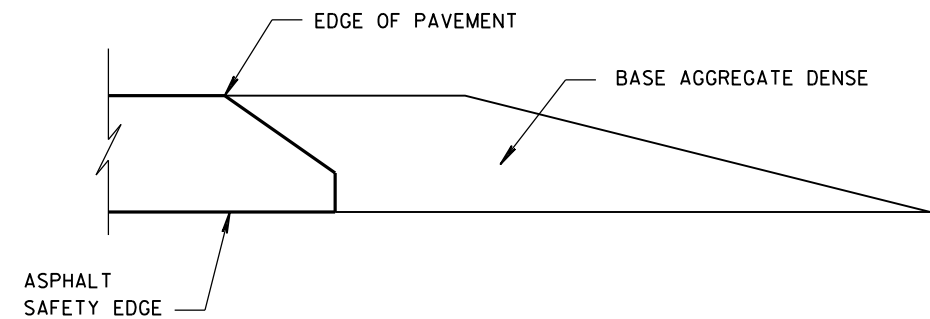


CONSTRUCTED WITH FINAL TWO LAYERS
FOR H GREATER THAN 5"



CONSTRUCTED WITH FINAL LAYER
FOR H GREATER THAN 5"

HMA PAVEMENT AND HMA OVERLAYS



FINISHED SHOULDER AGGREGATE PLACEMENT

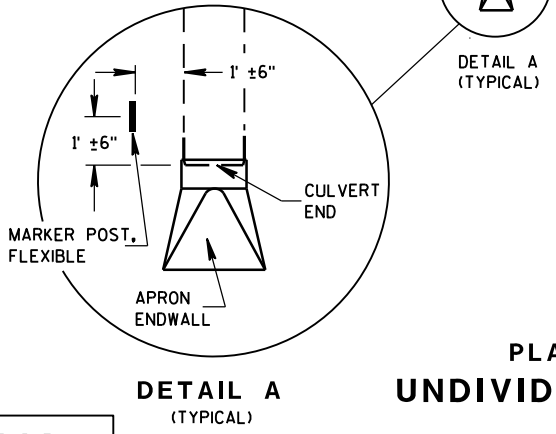
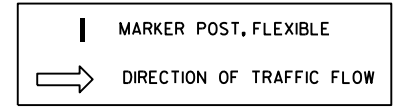
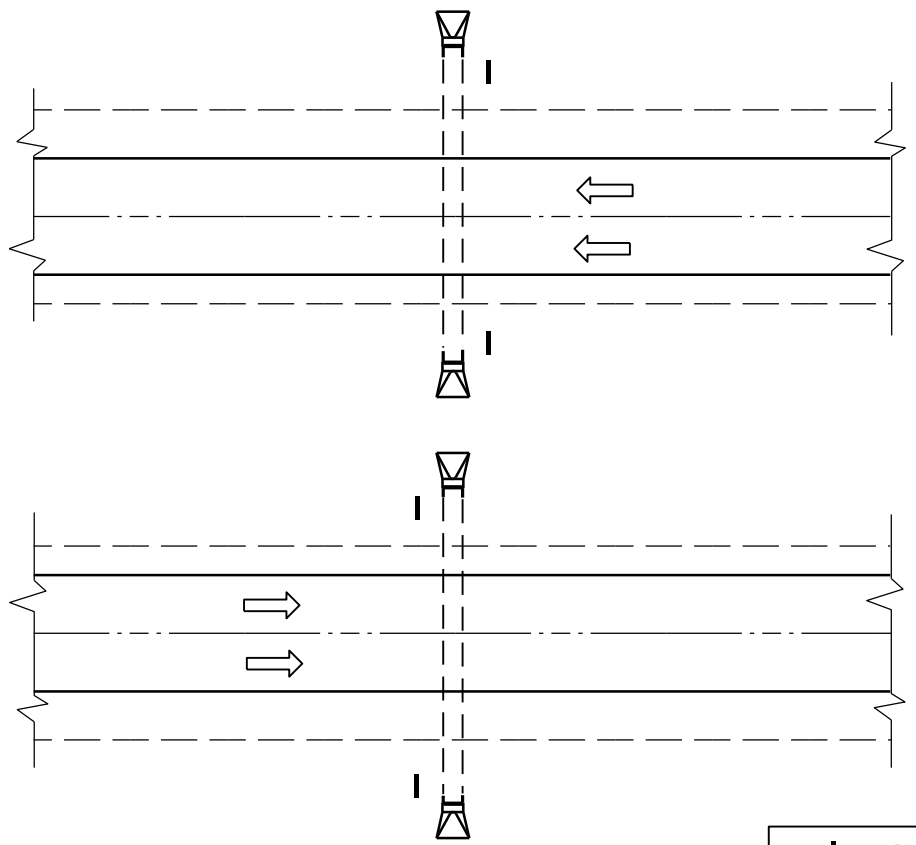
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S.D.D. 14 B 29-1

S.D.D. 14 B 29-1

SAFETY EDGE _{SM}	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED DATE 11/30/2012	/s/ Jerry H. Zogg ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA	

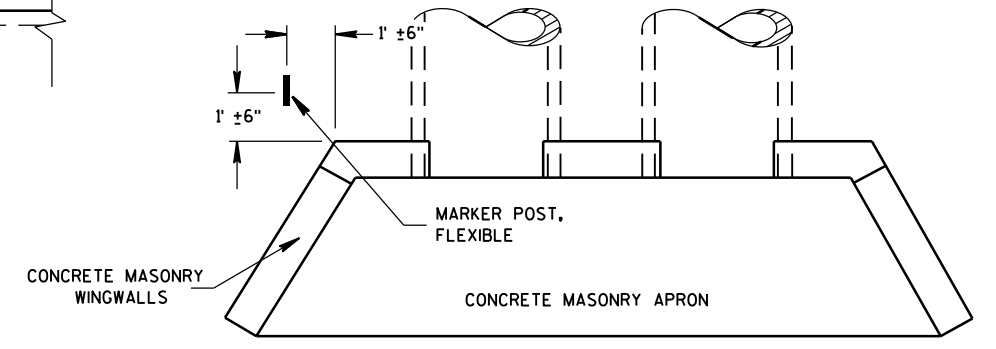


PLAN VIEW UNDIVIDED HIGHWAY

FLEXIBLE MARKER POST LOCATION

GENERAL NOTES

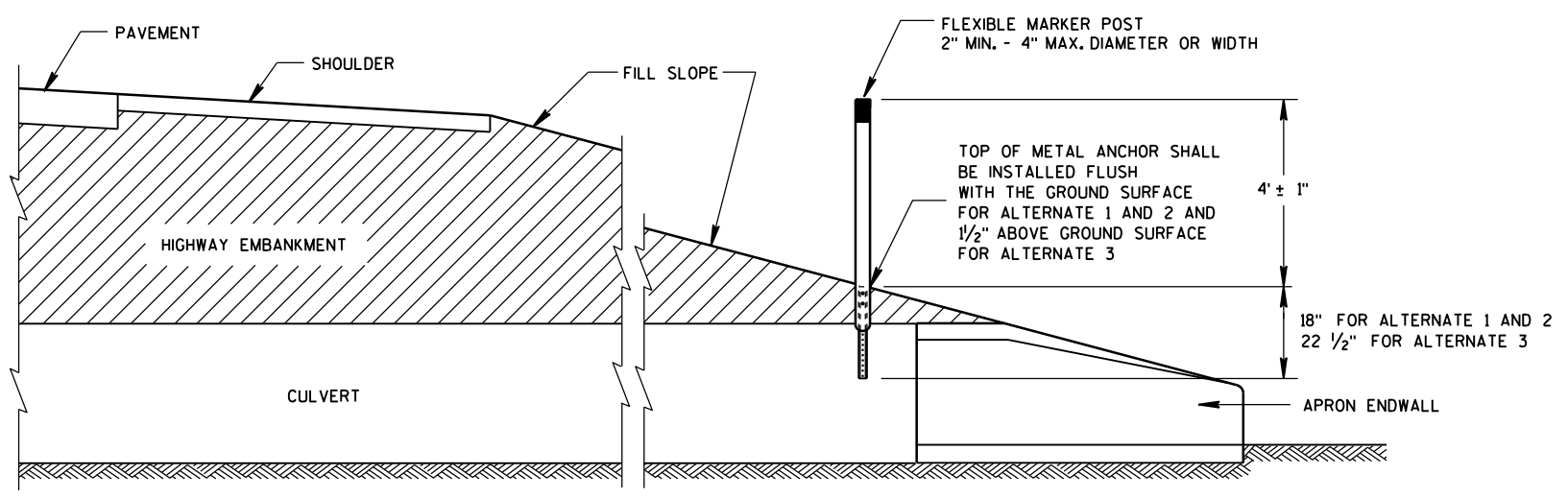
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

6

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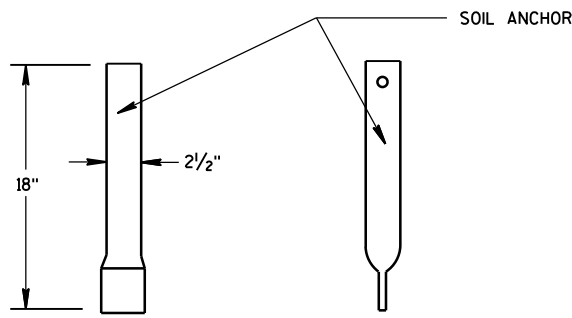
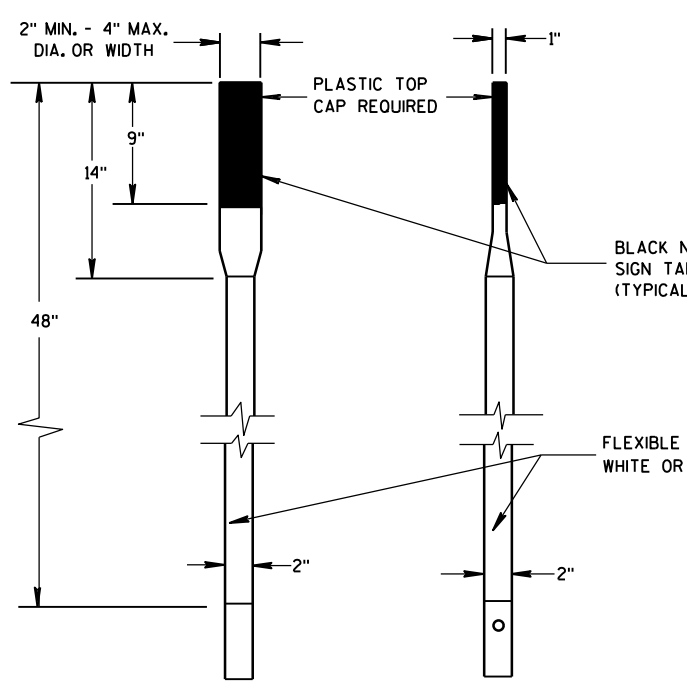
CROSS SECTION FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

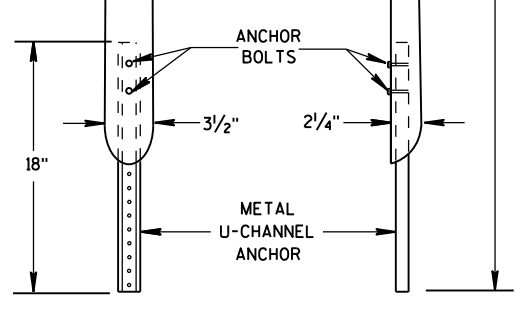
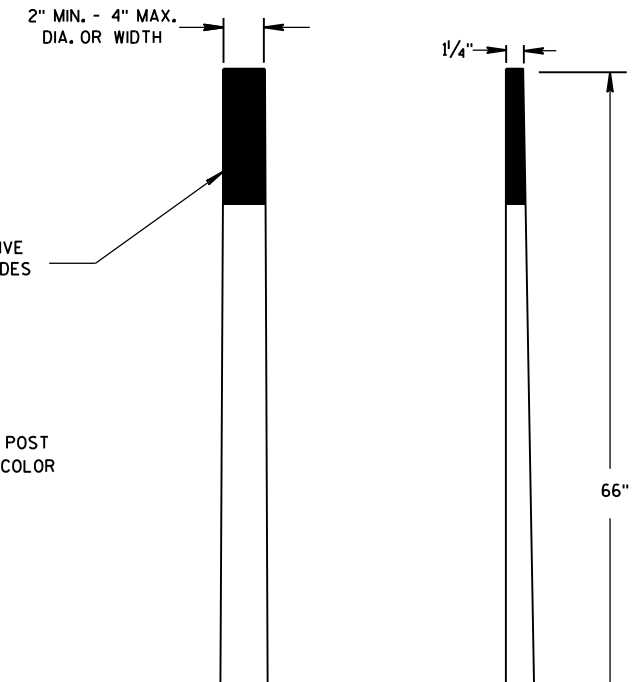
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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

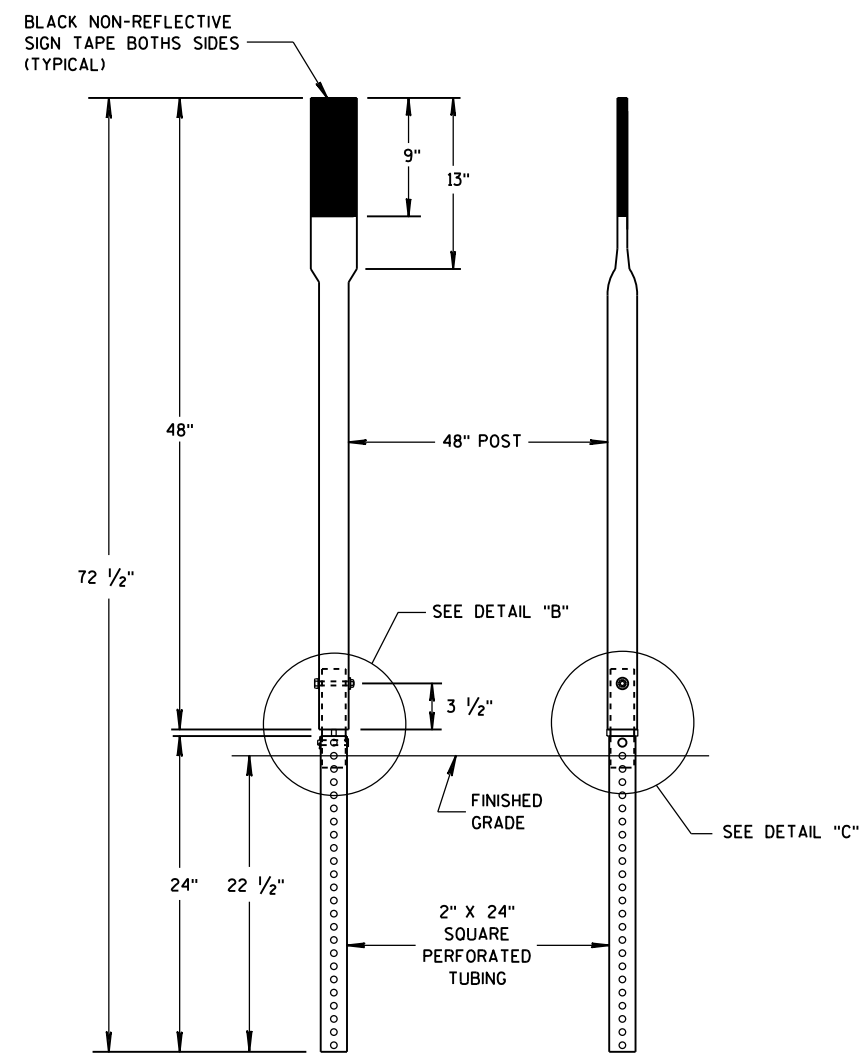
S.D.D. 15 A 3-2a



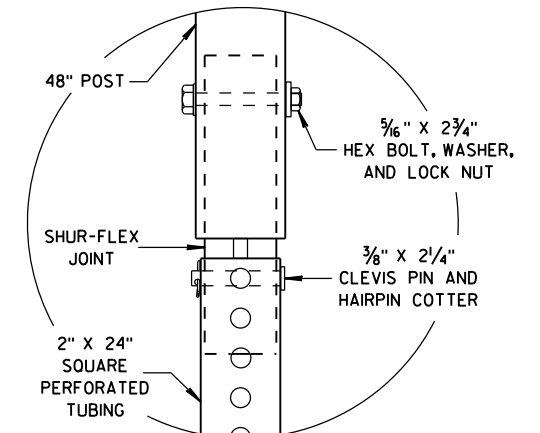
FRONT VIEW SIDE VIEW
ALTERNATE 1



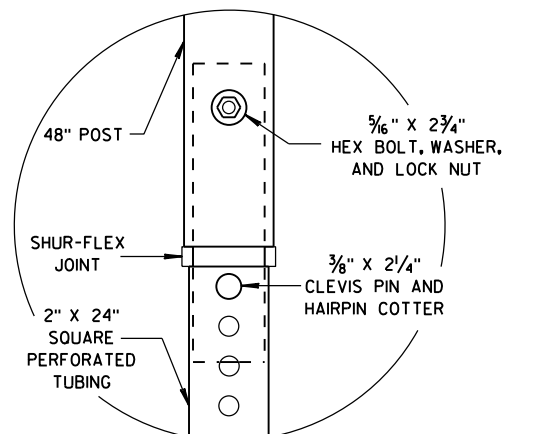
FRONT VIEW SIDE VIEW
ALTERNATE 2



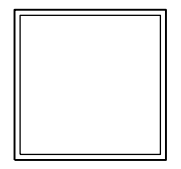
FRONT VIEW SIDE VIEW
ALTERNATE 3



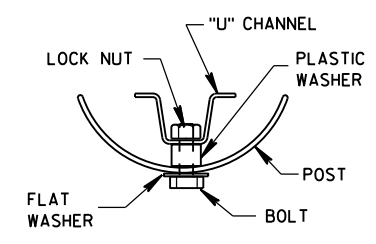
DETAIL B



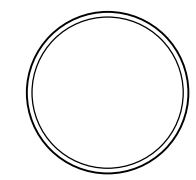
DETAIL C



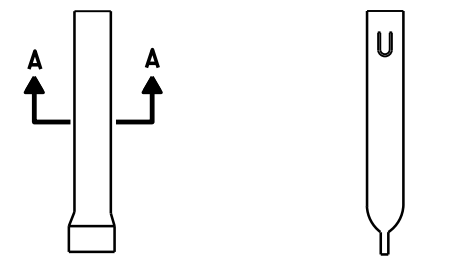
SECTION C-C



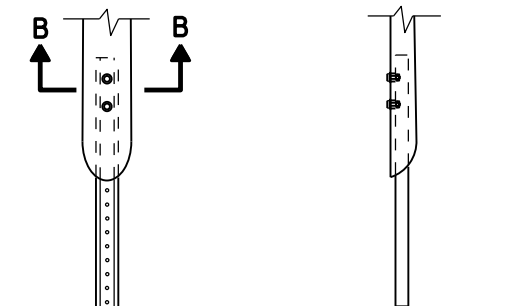
SECTION B-B



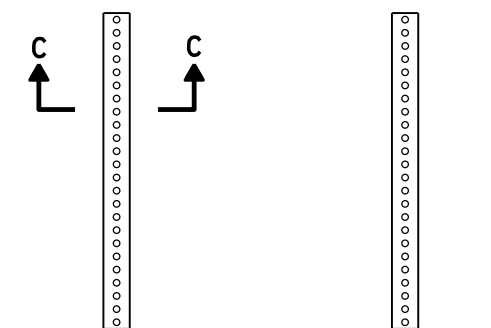
SECTION A-A



FRONT VIEW SIDE VIEW
ALTERNATE 1



FRONT VIEW SIDE VIEW
ALTERNATE 2



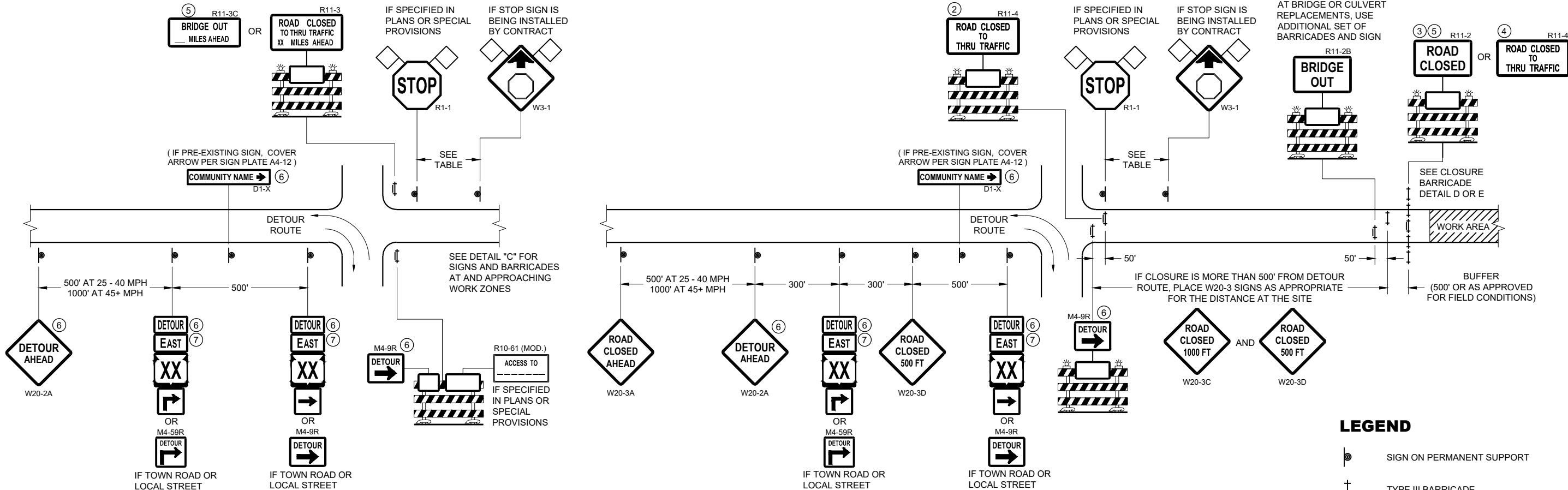
FRONT VIEW SIDE VIEW
ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



**DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR**

WORK ZONE GREATER THAN OR EQUAL TO 1/2 MILE FROM
DETOUR ROUTE (1000 FEET IF URBAN)

**DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR**

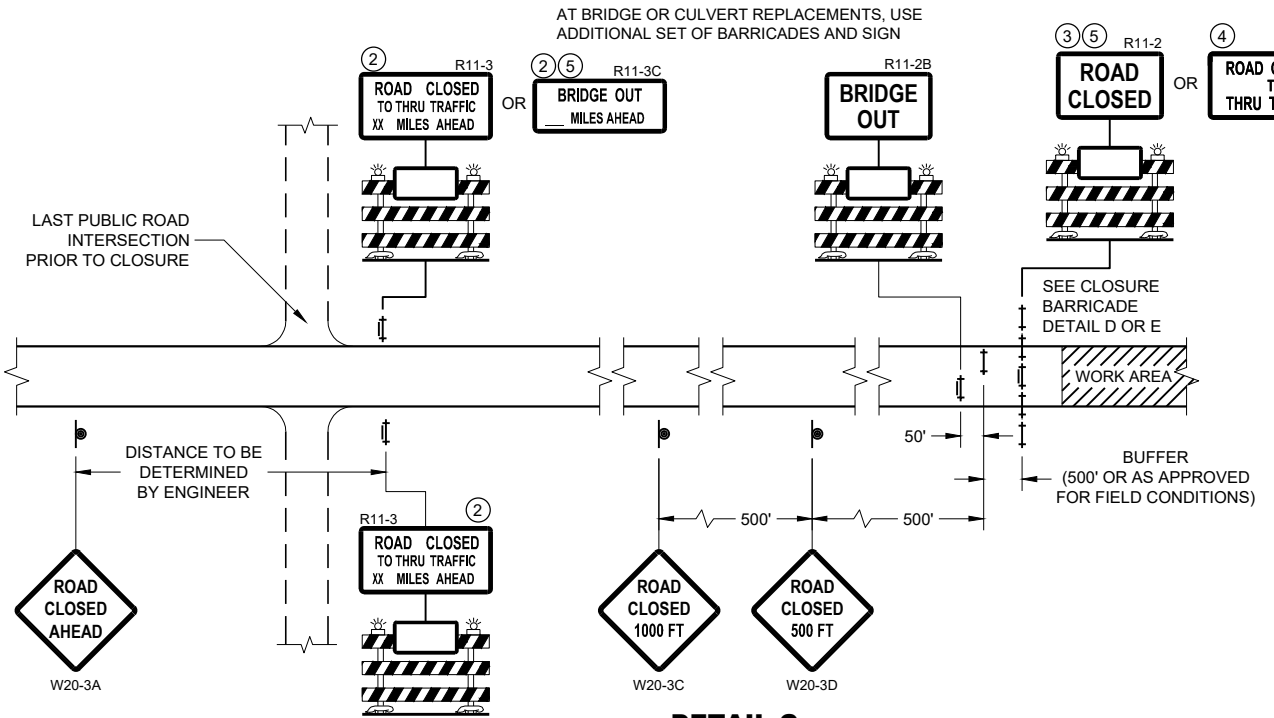
WORK ZONE LESS THAN 1/2 MILE FROM
DETOUR ROUTE (1000 FEET IF URBAN)

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)

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

- M4 - 8
- M3 - X
- M1 - 4
- M1 - 6
- M1 - 5A
- M05 - 1
- M06 - 1



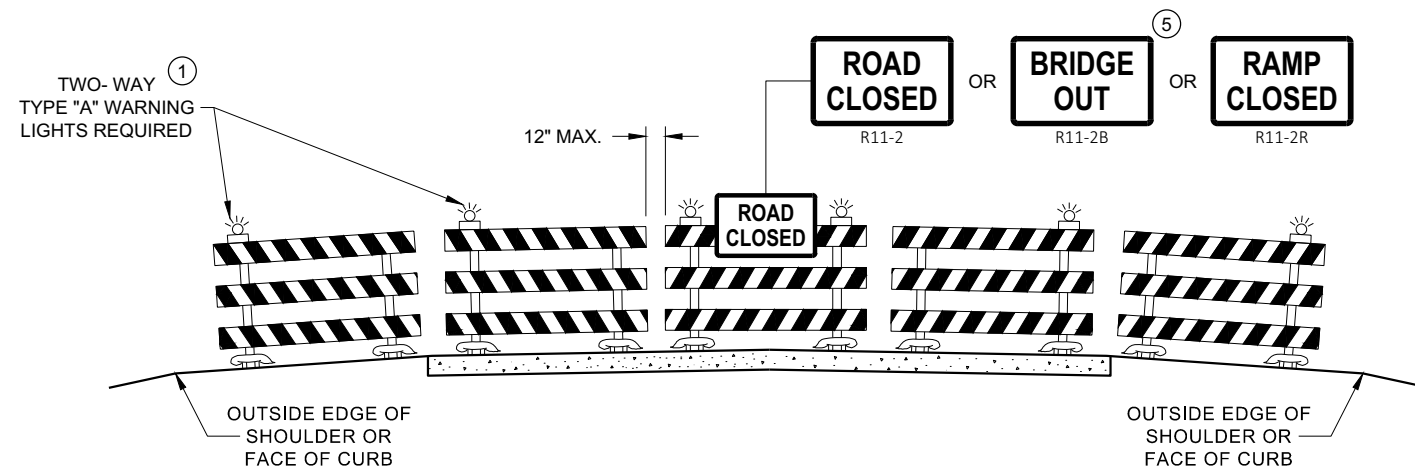
**DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR**

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

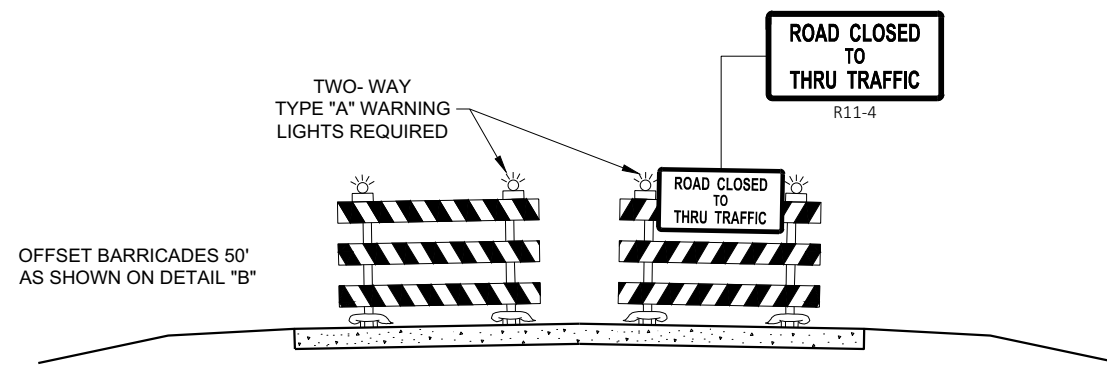
**BARRICADES AND SIGNS
FOR MAINLINE CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 /S/ Andrew Heidtke
DATE DATE WORK ZONE ENGINEER
FHWA



**DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW**



**DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW**

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

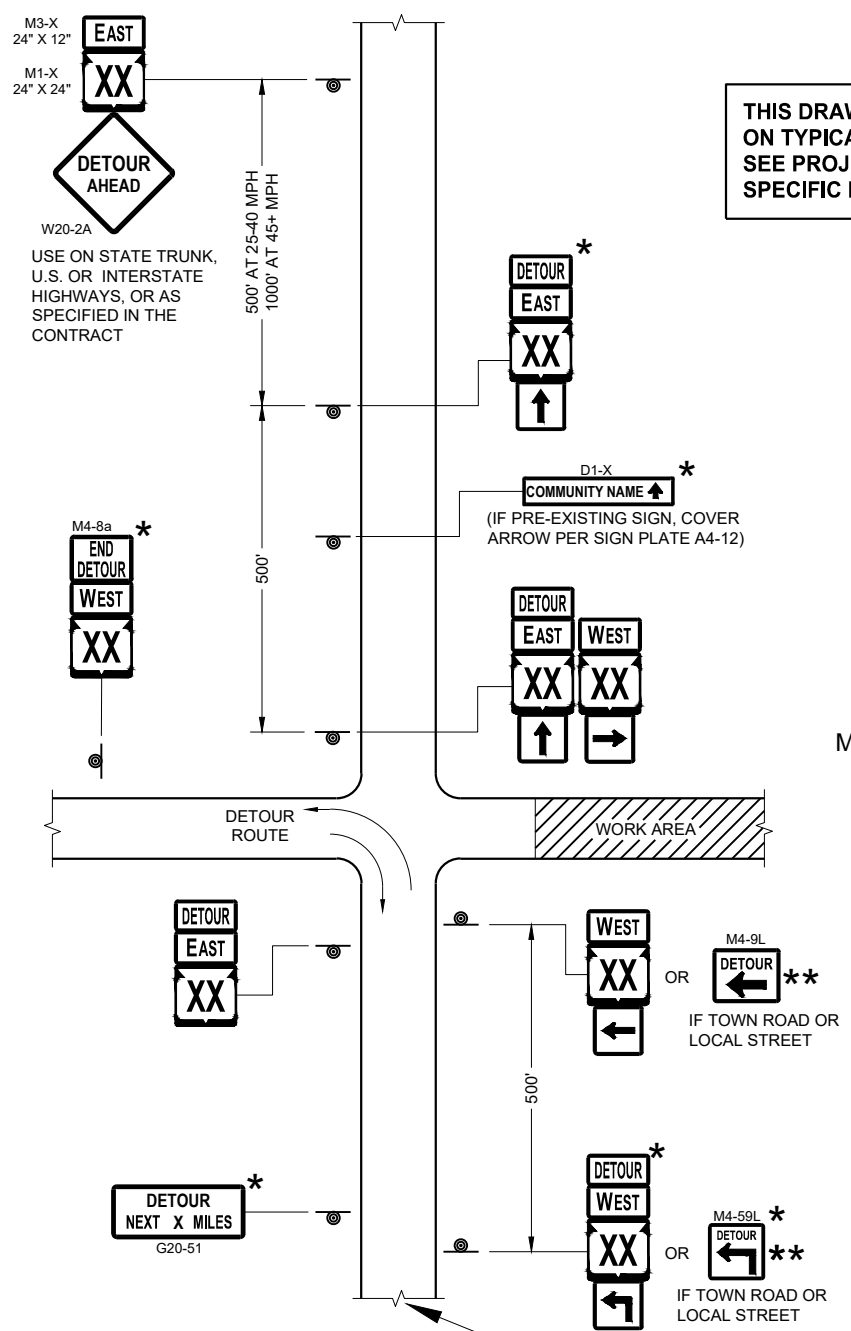
- ① TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING).
- ② THESE SIGNS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

**BARRICADES AND SIGNS
FOR
VARIOUS CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2020 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA



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
- M4 - 8
- M3 - X
- M1 - 4
- M1 - 6
- M1 - 5A
- M05 - 1
- M06 - 1
- 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.

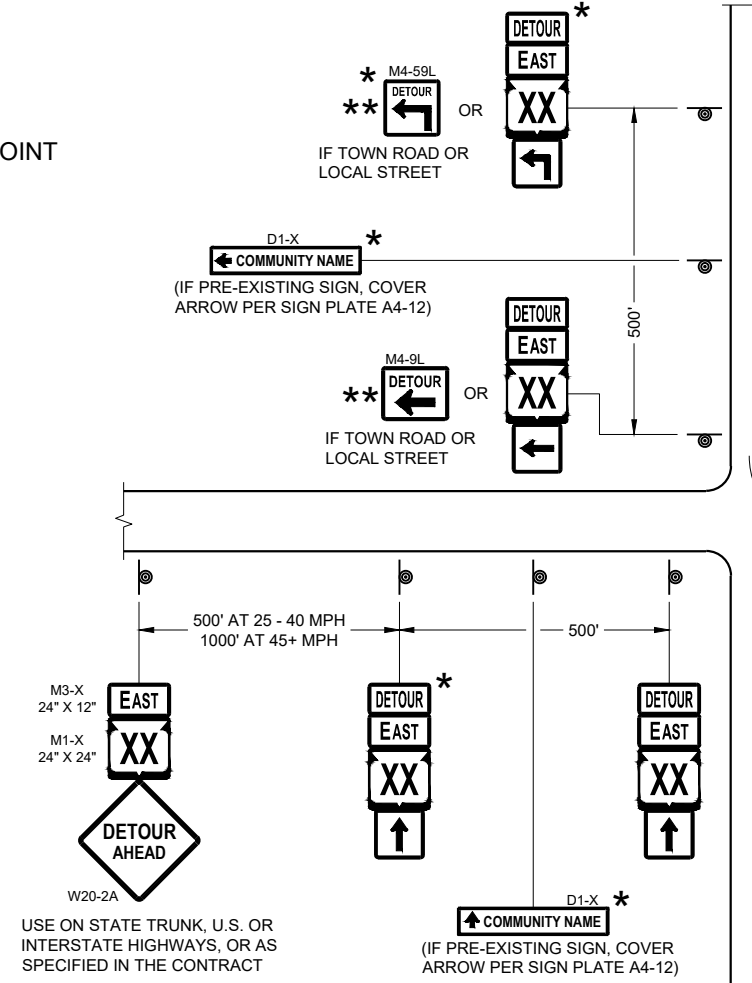
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

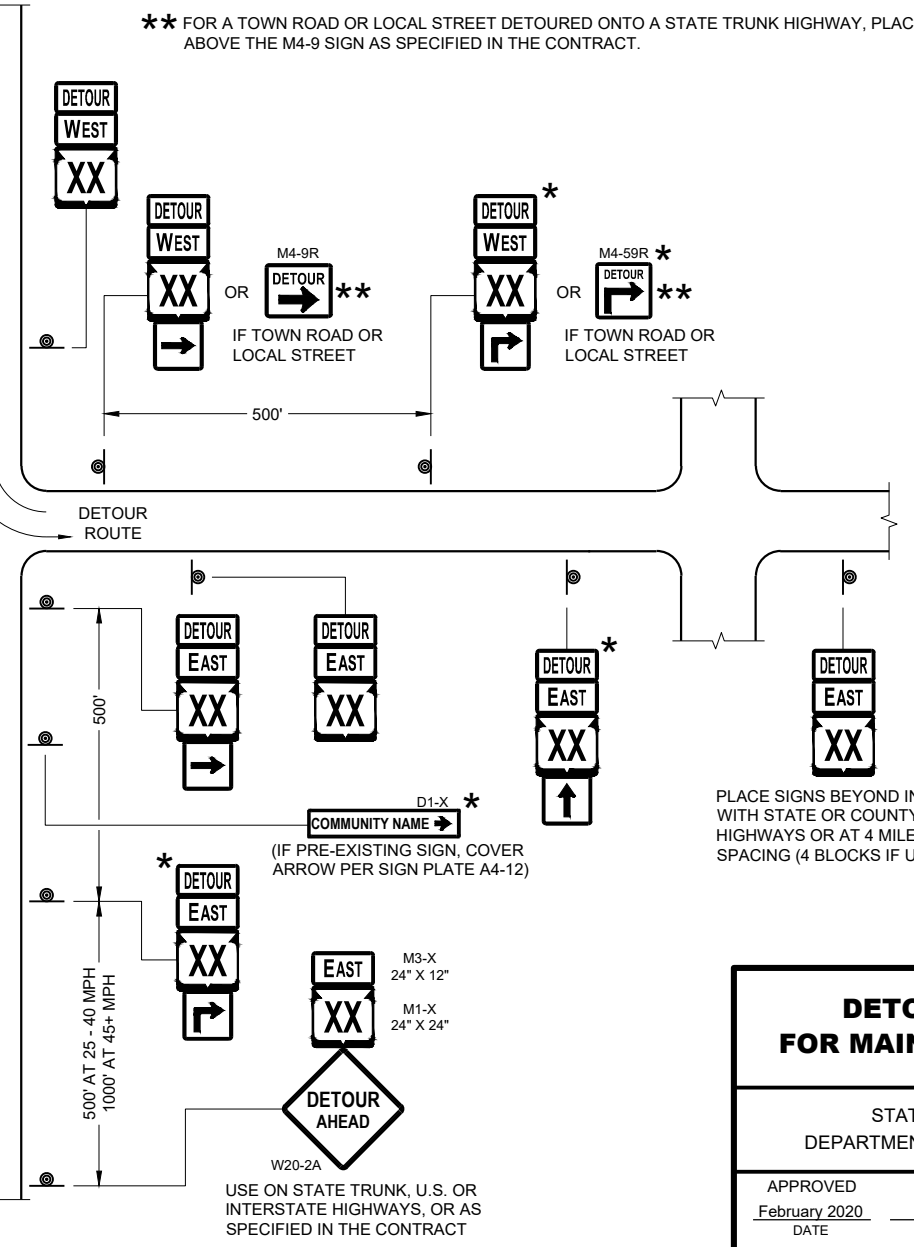
- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING 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.

MATCH POINT



**DETAIL F
DETOUR SIGNING**

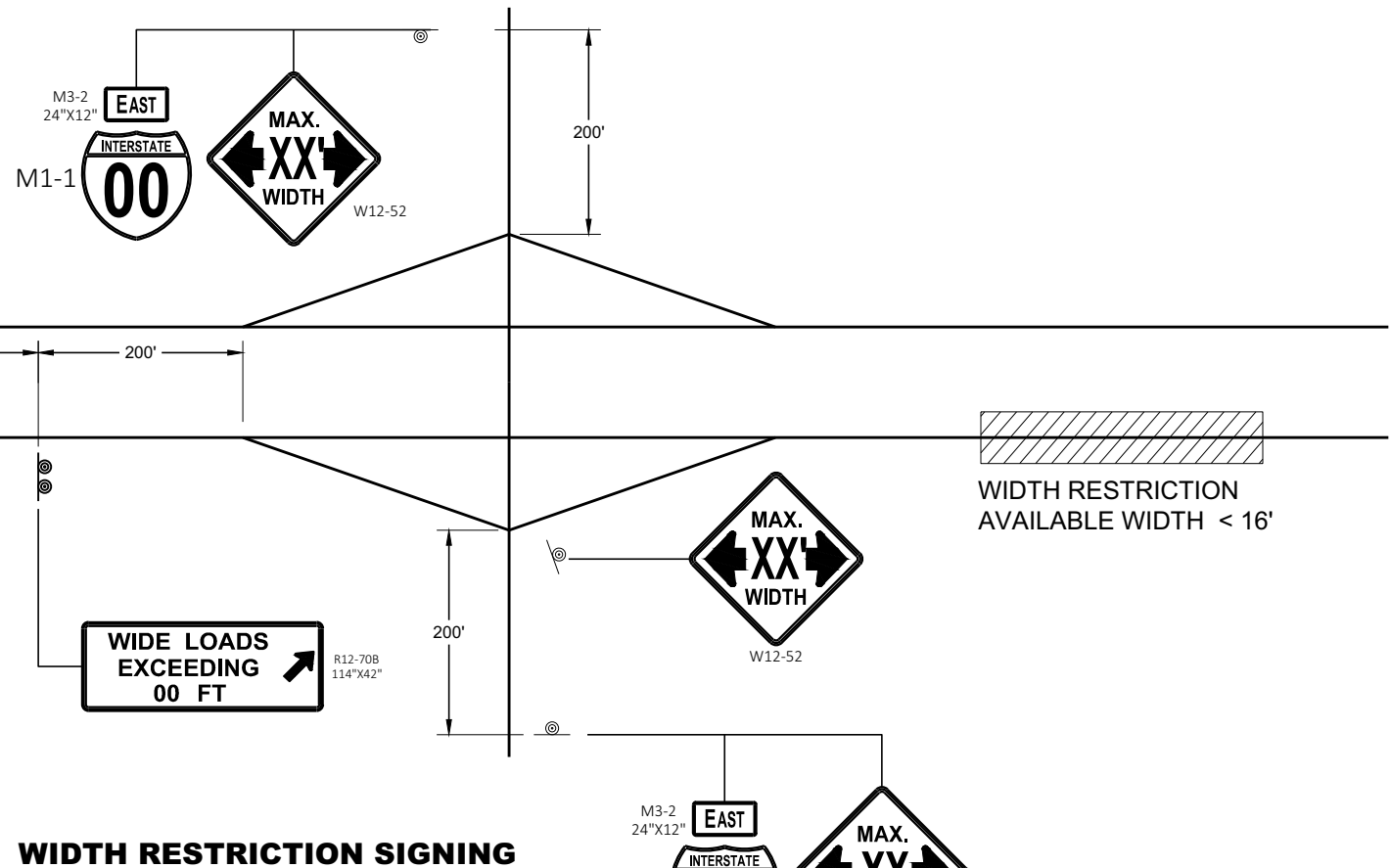


**DETOUR SIGNING
FOR MAINLINE CLOSURES**

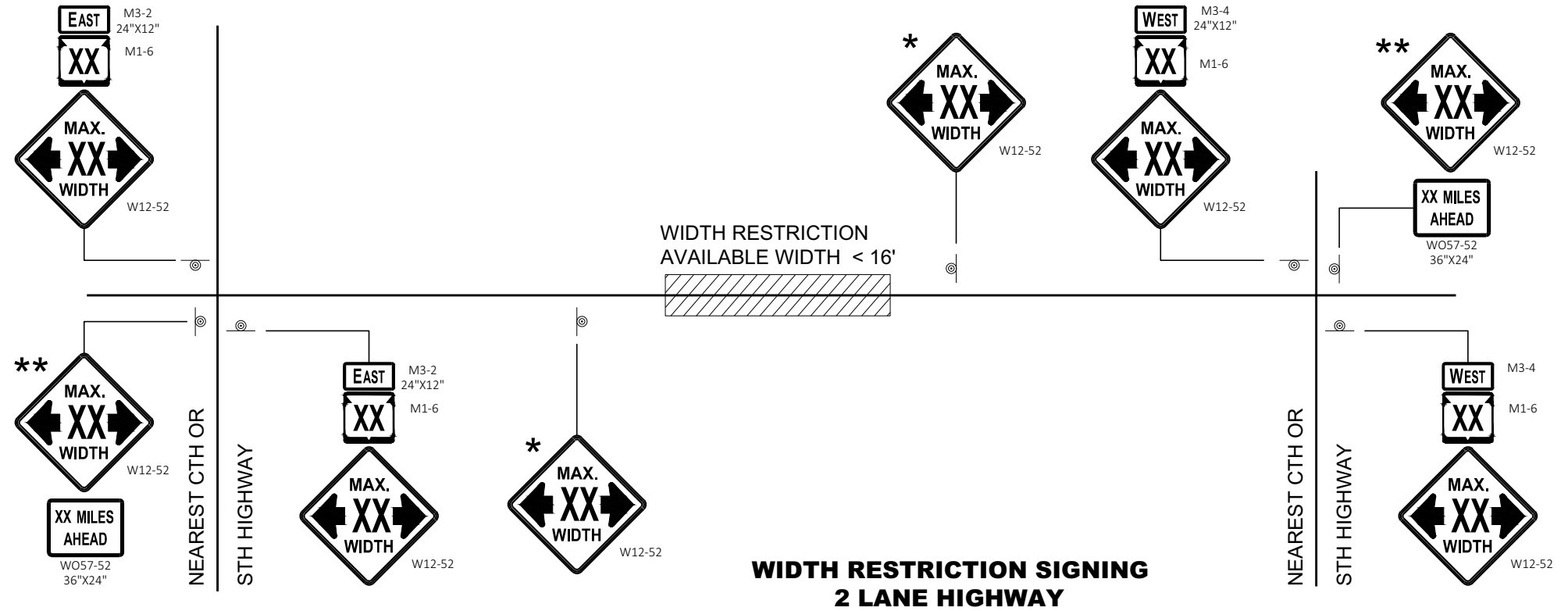
STATE OF WISCONSIN
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February 2020 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

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WIDTH RESTRICTION SIGNING



**WIDTH RESTRICTION SIGNING
2 LANE HIGHWAY**

LEGEND

⊙ SIGN ON PERMANENT SUPPORT

GENERAL NOTES

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

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A 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.

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

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

WIDTH ON SIGN TO BE APPROXIMATELY ONE FOOT LESS THAN AVAILABLE WIDTH.

* PLACE 500 FEET AFTER THE W20 - 1A AND 500 FEET BEFORE ADDITIONAL SIGNS FOR ROADWAYS WITH A PRE - CONSTRUCTION SPEED LIMIT OF 45 MPH OR MORE. FOR 35-40 MPH, USE 350 FOOT TYPICAL SPACING. FOR 25-30 MPH, USE 200 FOOT TYPICAL SPACING.

** SIGN SHALL BE VISIBLE FROM ROADWAY.

*** ADDITIONAL SIGNS NEEDED IF THERE IS AN ON RAMP BETWEEN SIGNS.

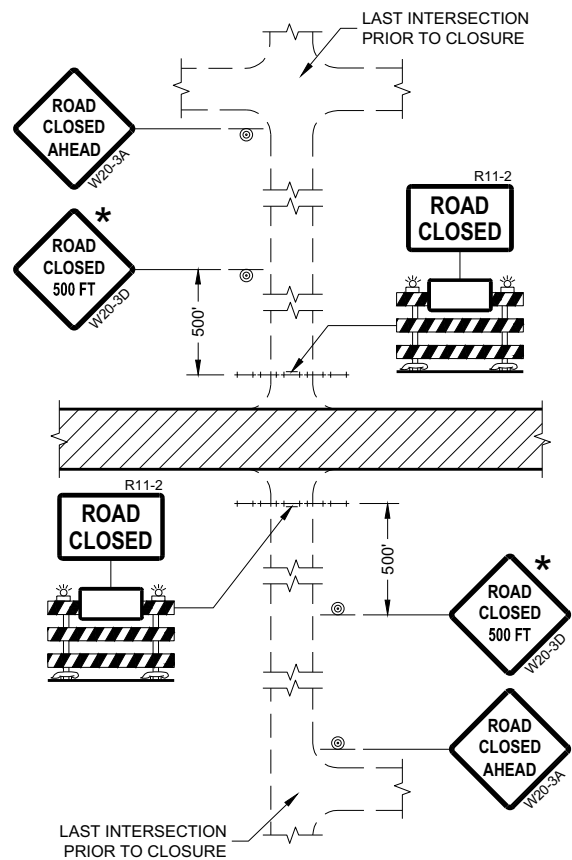


WIDTH ON SIGN TO BE APPROX. 1 - FOOT LESS THAN AVAILABLE WIDTH

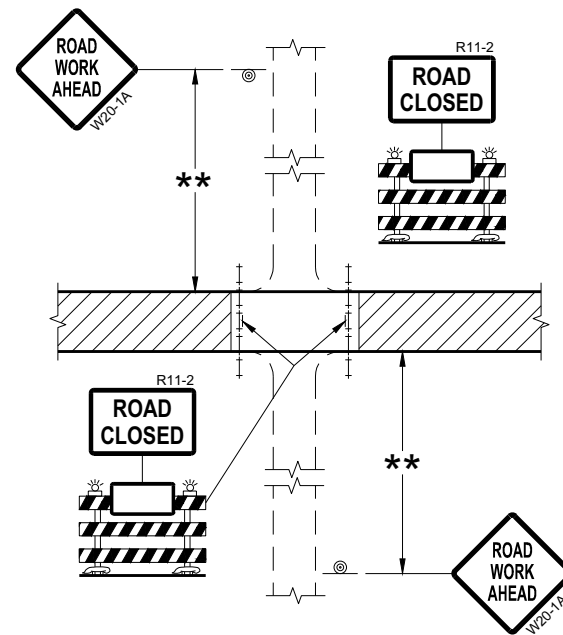
**ADVANCED WIDTH
RESTRICTION SIGNING**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

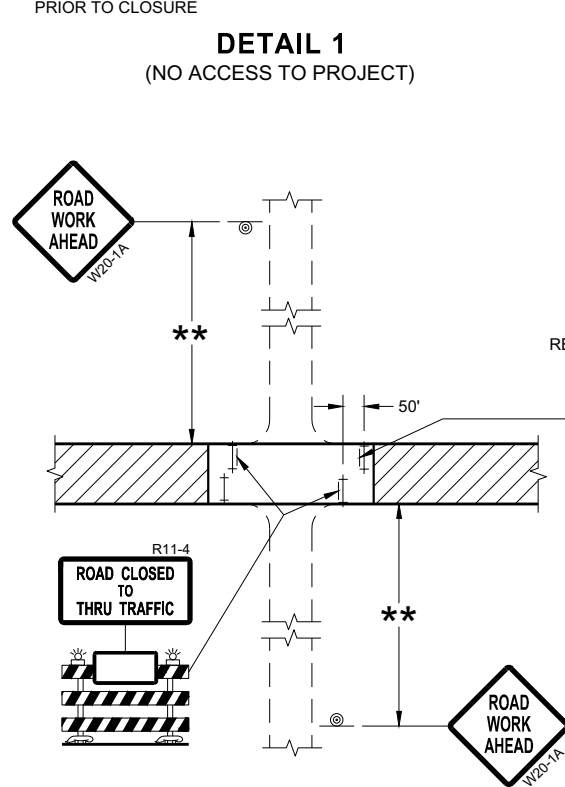
APPROVED
February 2020 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA



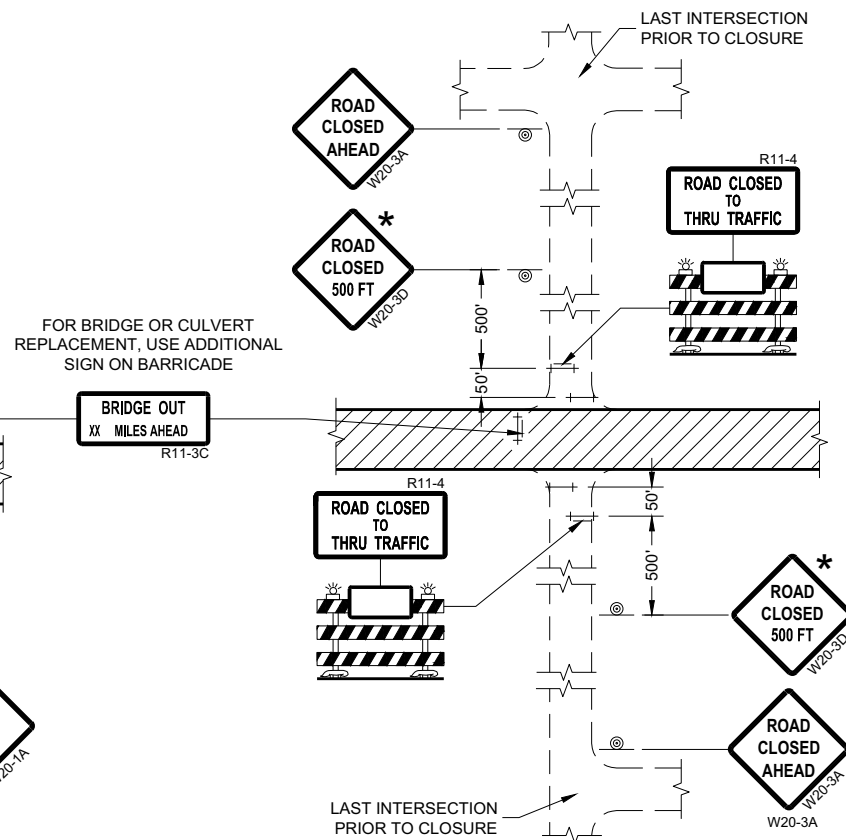
DETAIL 1
(NO ACCESS TO PROJECT)



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



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



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

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

LEGEND

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

**BARRICADES AND SIGNS
FOR
SIDEROAD CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

GENERAL NOTES

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

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




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

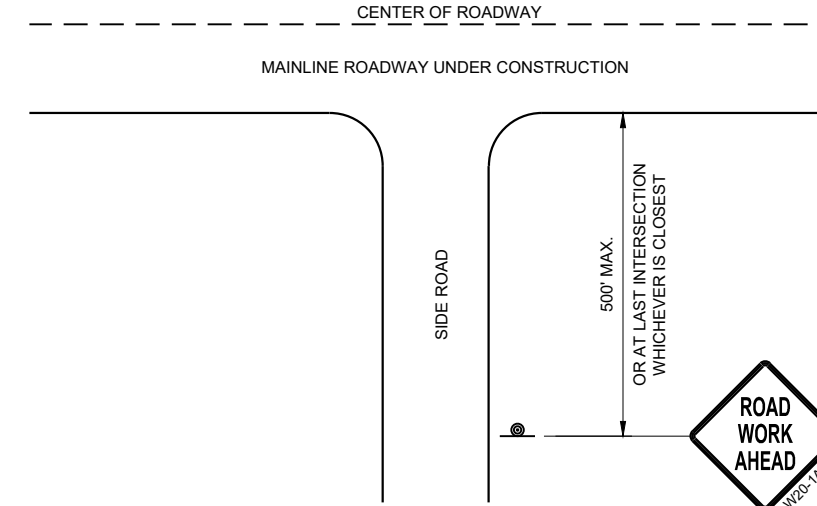
SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

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

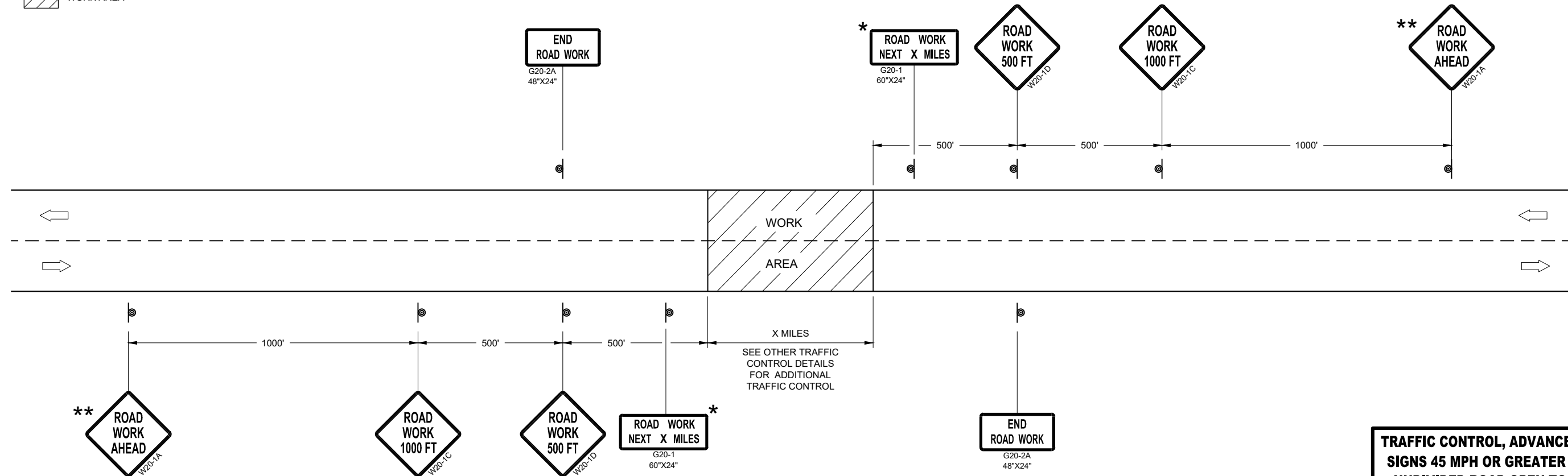
- * OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS
- ** PLACE AN ADDITIONAL W20-1A "ROAD WORK AHEAD" SIGN IF WORK AREA WITHIN THE PROJECT IS SEPARATED BY MORE THAN 2 MILES FROM PREVIOUS WORK AREA.

LEGEND

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



TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 45MPH OR GREATER

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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




FHWA

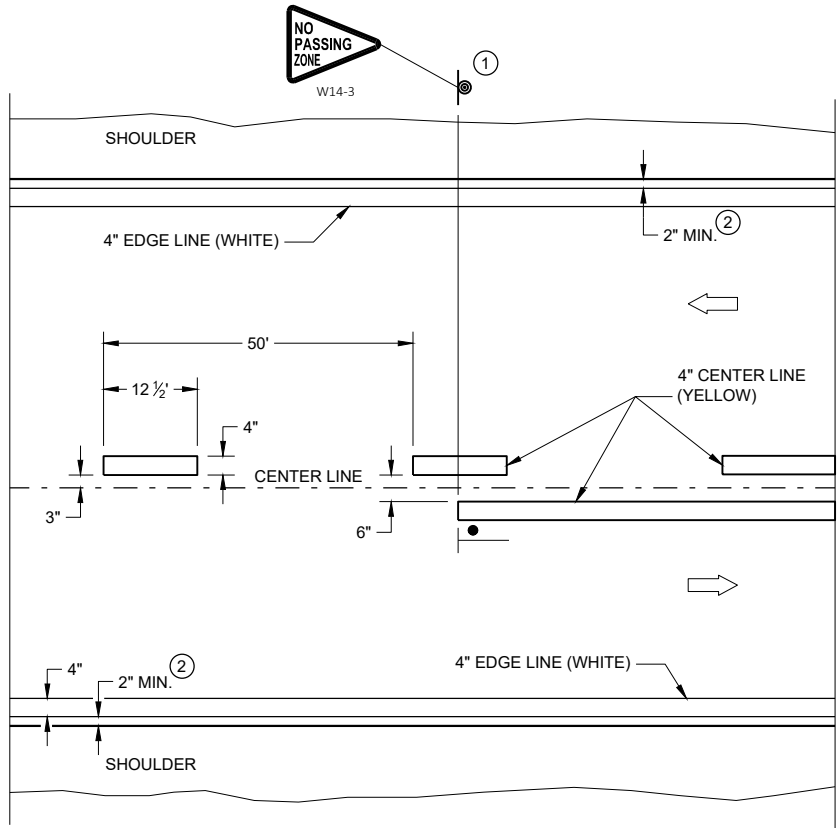
GENERAL NOTES

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

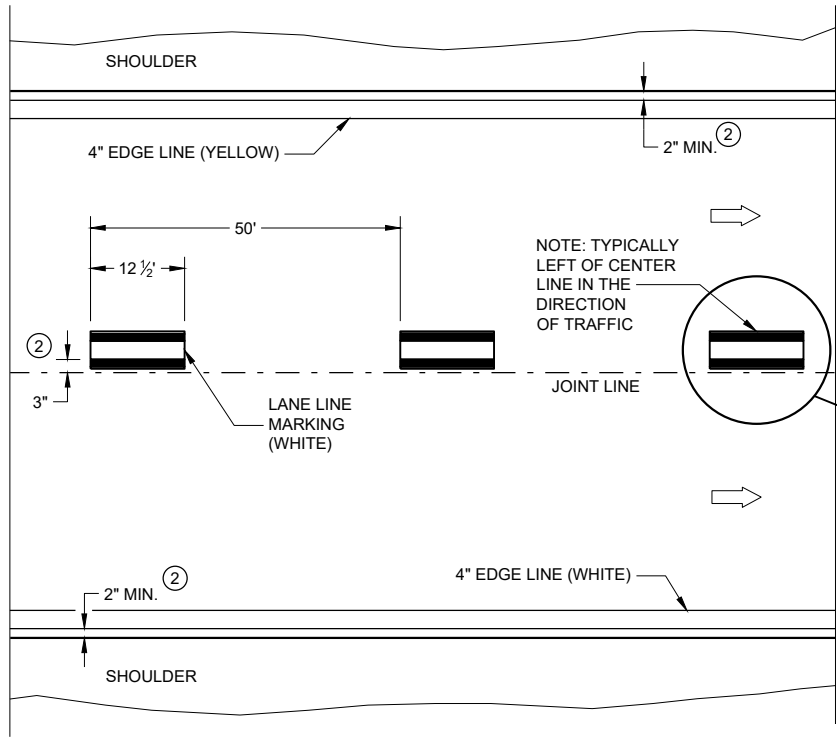
- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING
- ② MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

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

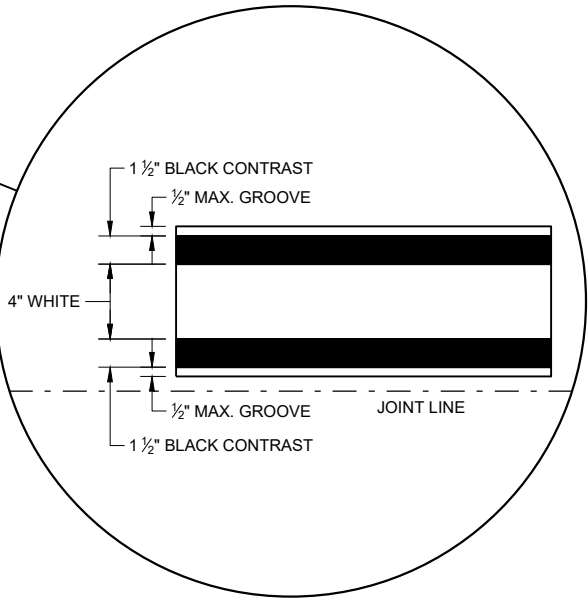


TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



6

6

SDD 15C08 - 22a

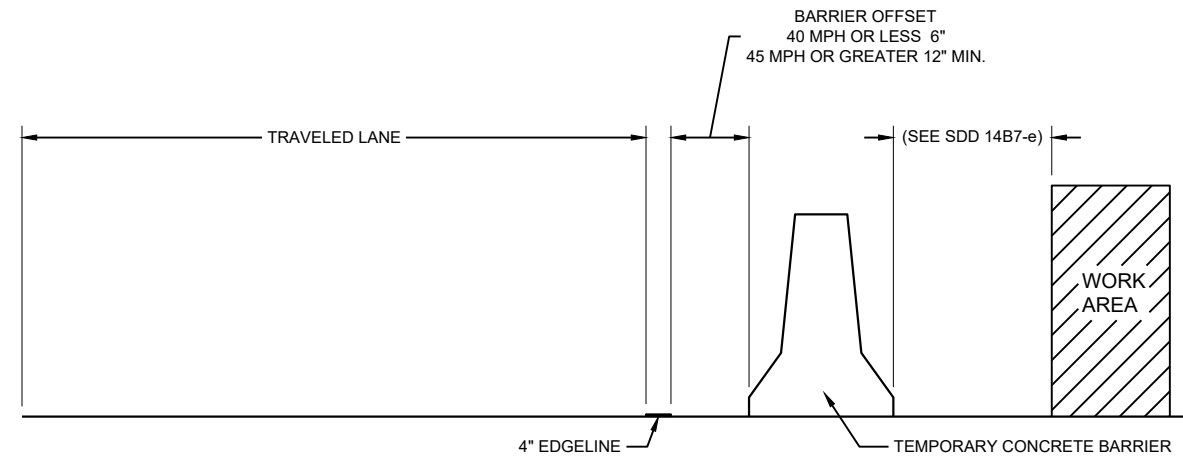
SDD 15C08 - 22a

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA



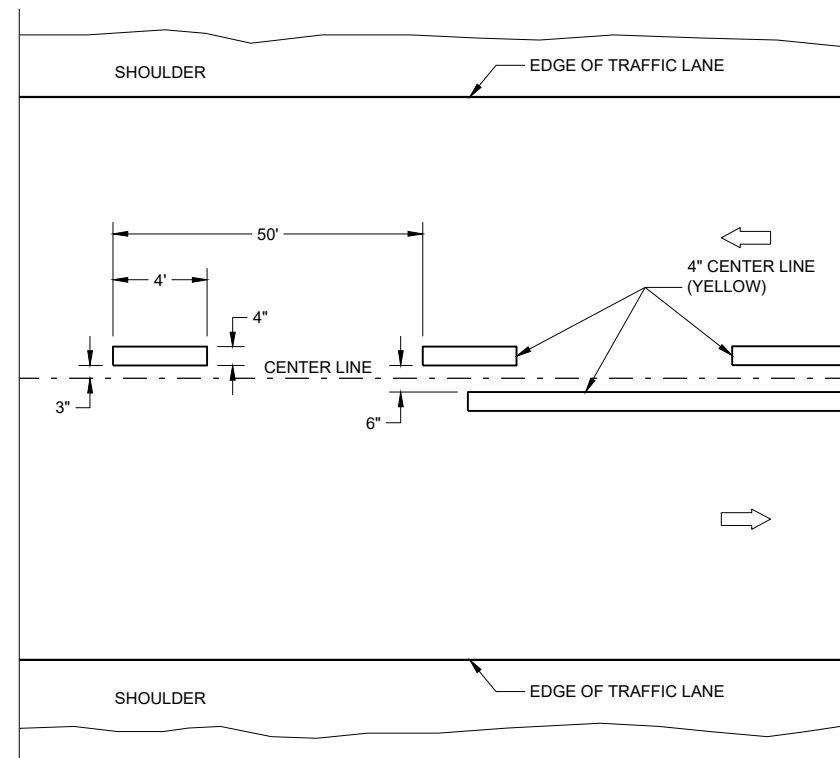
TEMPORARY BARRIER OFFSET FROM EDGELINE

GENERAL NOTES

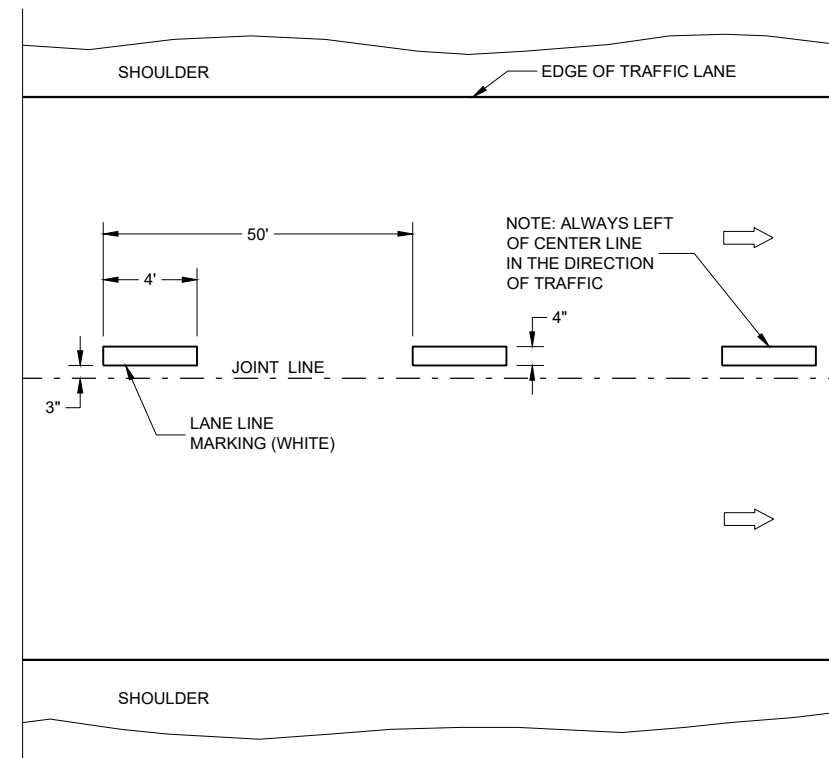
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

LEGEND

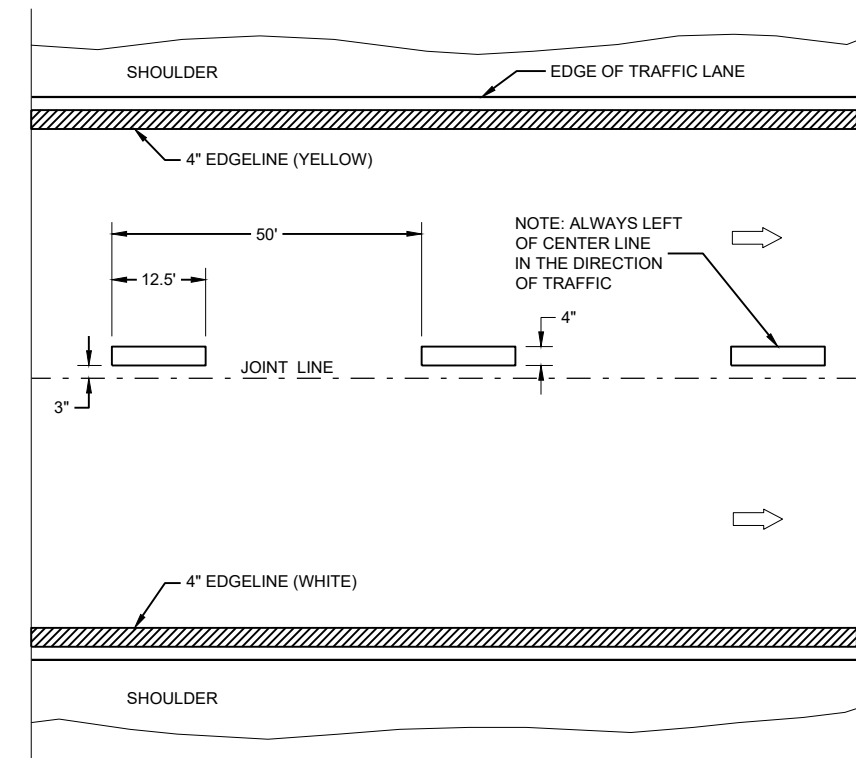
➡ DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC



FREEWAYS AND EXPRESSWAYS

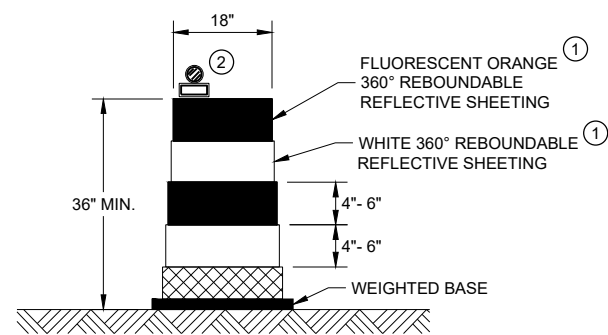
TEMPORARY PAVEMENT MARKING

TEMPORARY LONGITUDINAL PAVEMENT MARKING

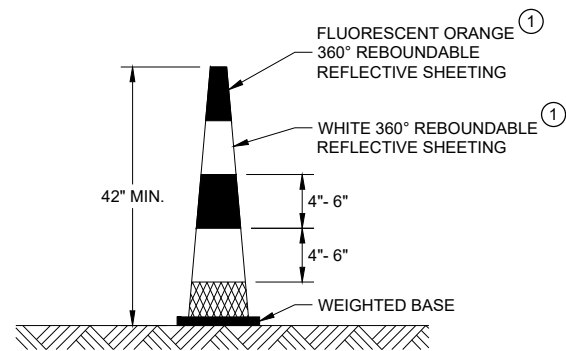
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

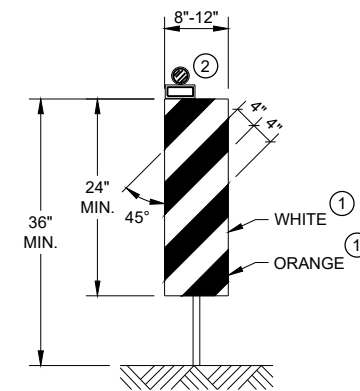


DRUM



42" CONE

DO NOT USE IN TAPERS
 1/2 SPACING OF DRUMS

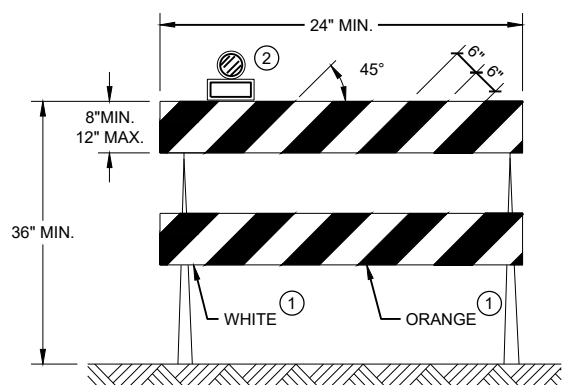


VERTICAL PANEL

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

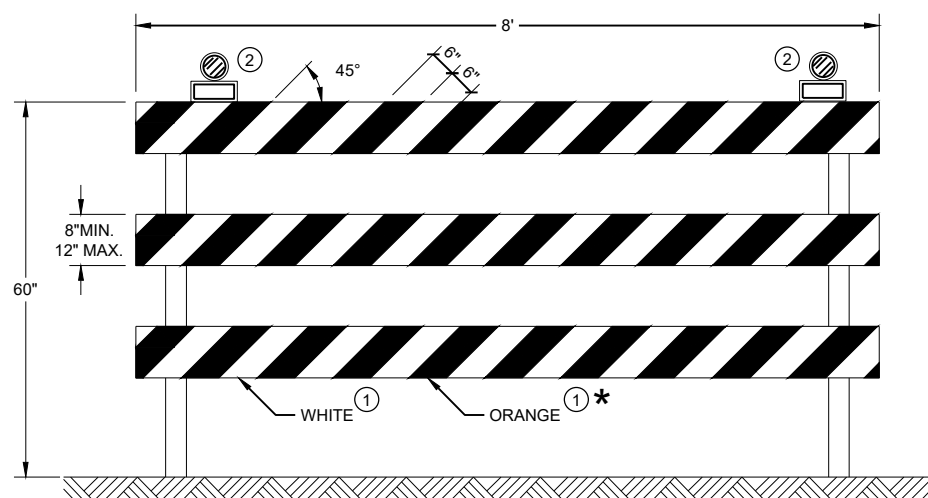
GENERAL NOTES

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



TYPE II BARRICADE

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








TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2021 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER
<small>FHWA</small>	

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.

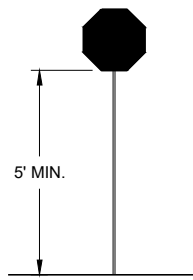
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



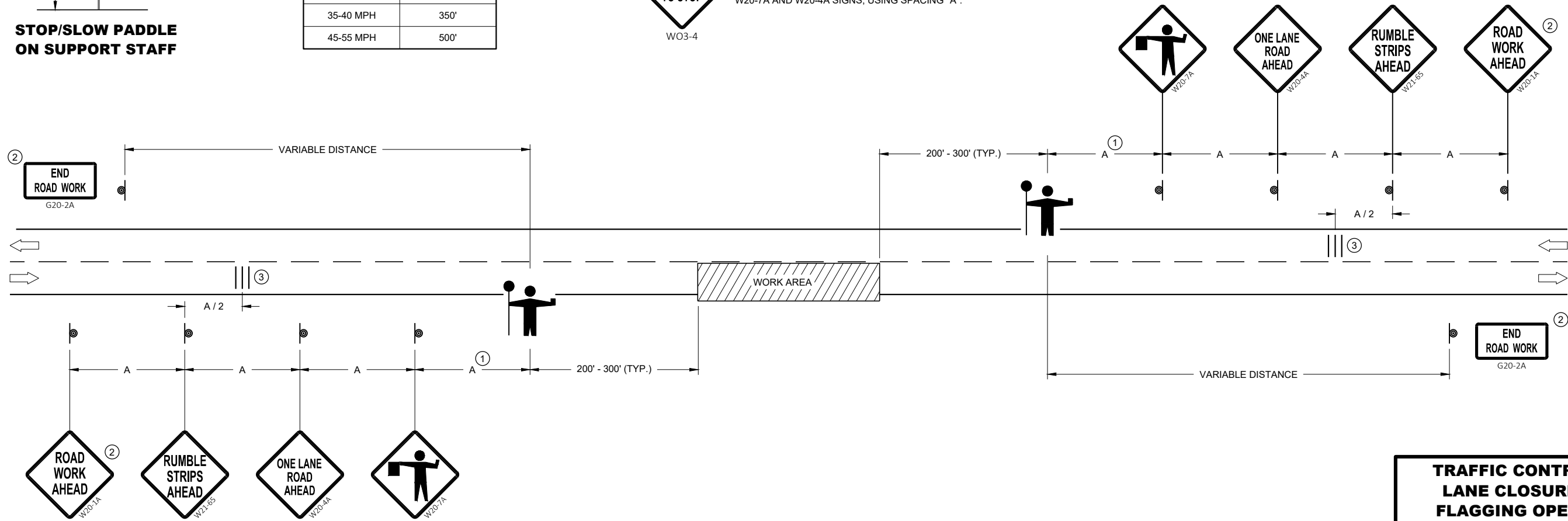
STOP/SLOW PADDLE ON SUPPORT STAFF

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 W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

GENERAL NOTES

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.

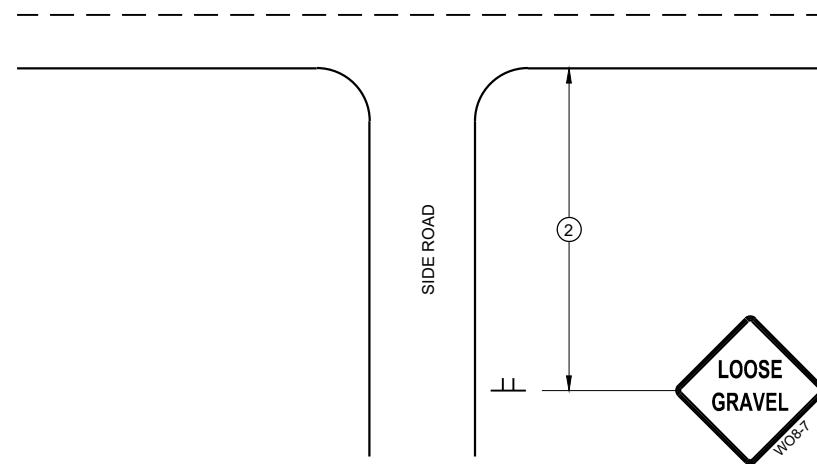
ALL SIGNS INAPPROPRIATE TO THE STATUS OF THE CONTROL ZONE, INCLUDING PRE-EXISTING SIGNS IN THE VICINITY, SHALL BE COVERED OR REMOVED AS DIRECTED BY THE ENGINEER.

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.

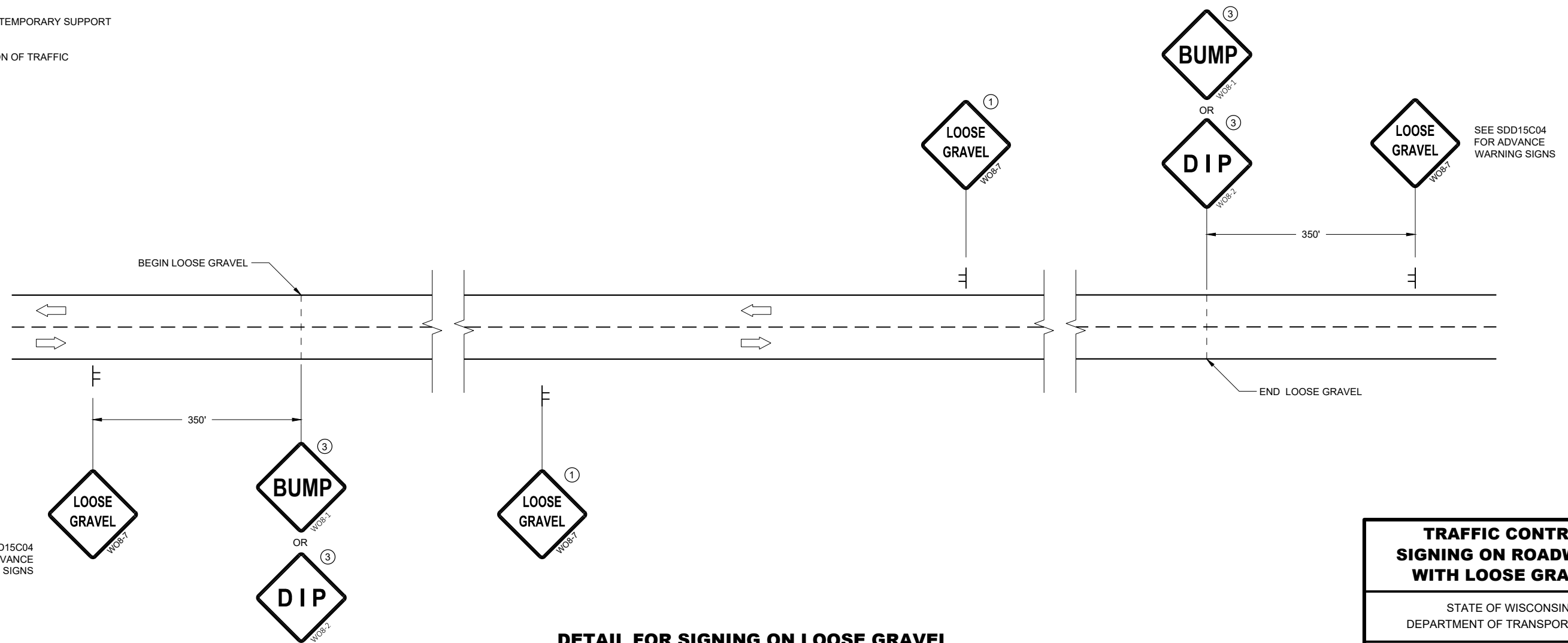
- ① PLACE SIGNS 350' IN ADVANCE OF CHIP SEALED OR LOOSE GRAVEL SURFACES AND AT 1 MILE INTERVALS, OR AS DIRECTED BY THE ENGINEER.
- ② PLACE SIGN 200' MIN. FROM INTERSECTION AND 200' MIN. AFTER ADVANCE WARNING SIGN SHOWN IN SDD 15C04.
- ③ ADD WO8-1 OR WO8-2 SIGN WHEN THE CONDITION IS PRESENT.

LEGEND

-  SIGN ON TEMPORARY SUPPORT
-  DIRECTION OF TRAFFIC



TYPICAL SIDE ROAD APPROACH SIGN DETAIL



SEE SDD15C04 FOR ADVANCE WARNING SIGNS

SEE SDD15C04 FOR ADVANCE WARNING SIGNS

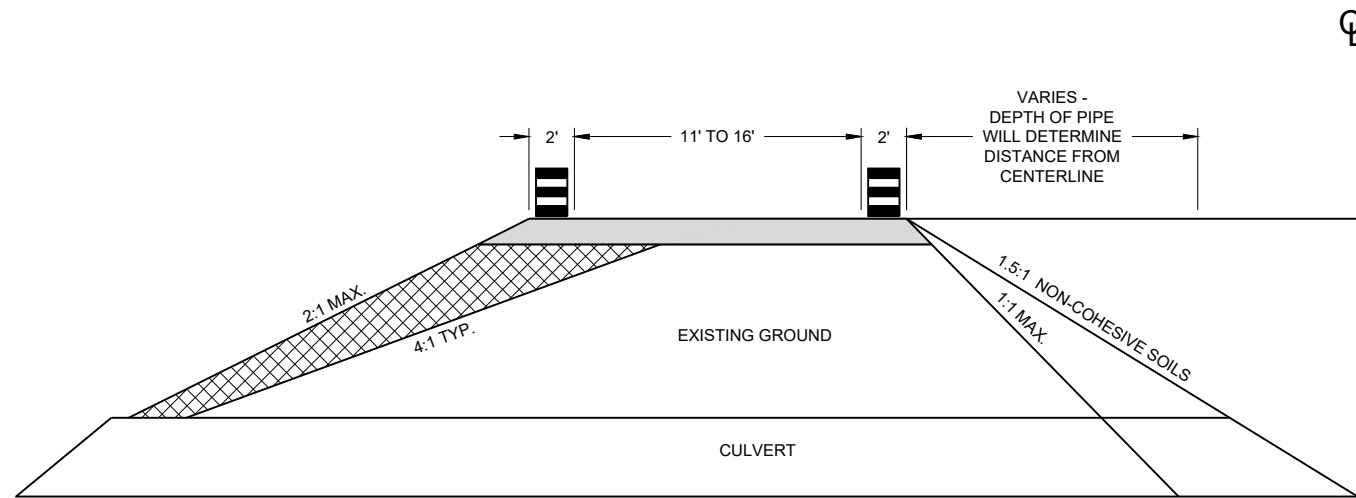
DETAIL FOR SIGNING ON LOOSE GRAVEL OR CHIP SEALED SURFACES

TRAFFIC CONTROL SIGNING ON ROADWAYS WITH LOOSE GRAVEL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
February 2021 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

FHWA



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.

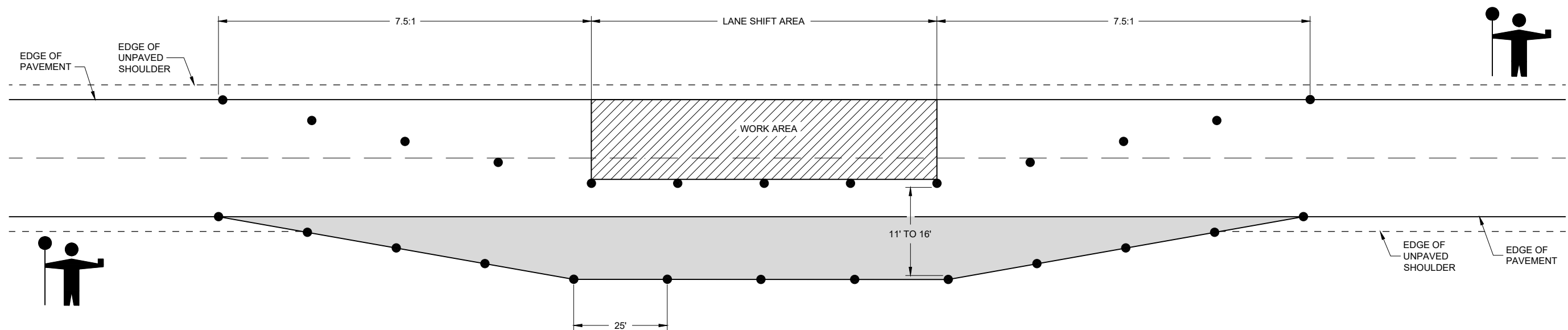
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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 1/2" - 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 /S/ Andrew Heidtke
 DATE WORK ZONE ENGINEER

FHWA





6

6

SDD 15D48 - 01

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.

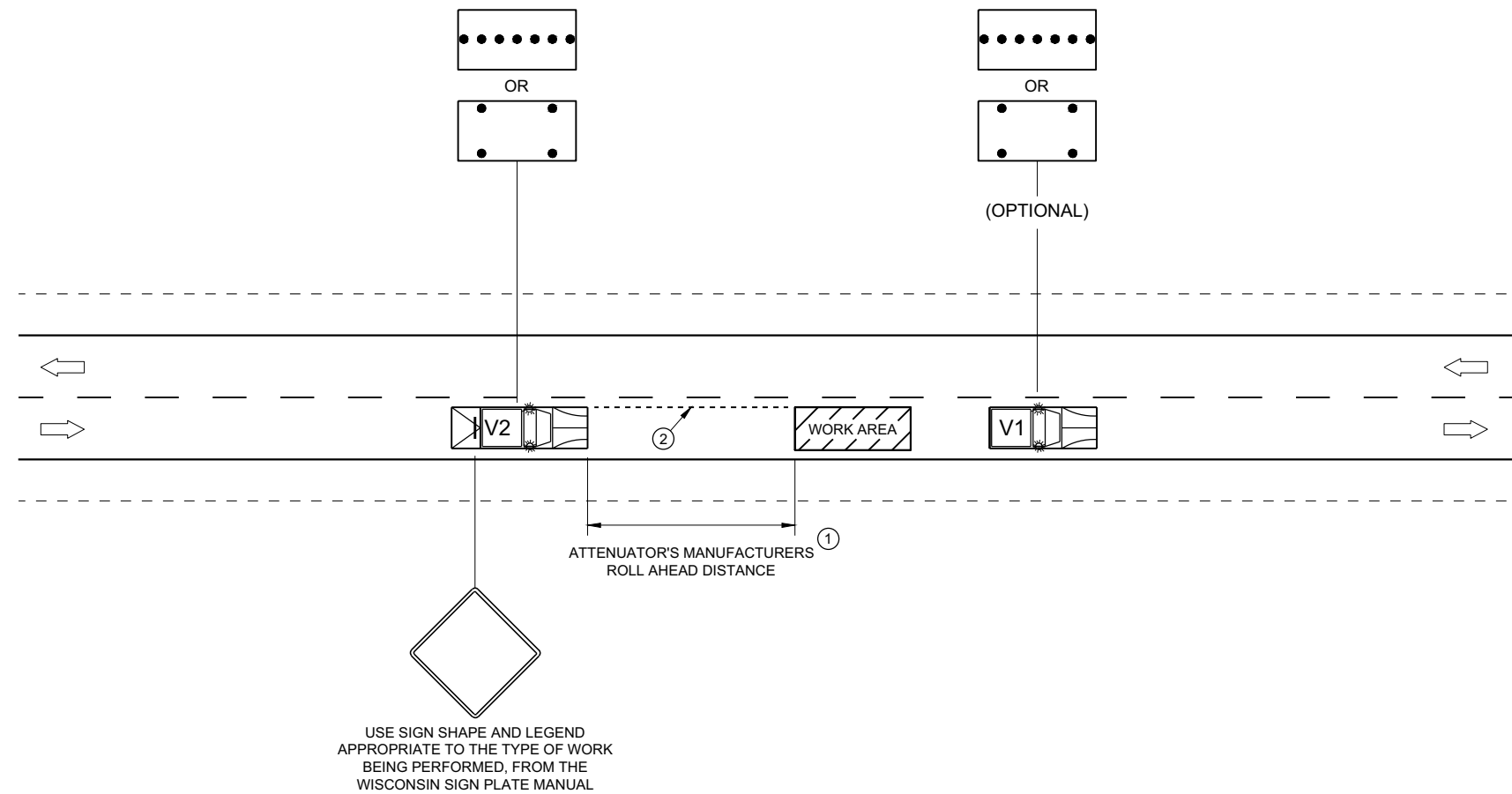
MOBILE IS WORK THAT MOVES CONTINUOUSLY OR MOVES AT LEAST THE DECISION SIGHT DISTANCE EVERY 15 MINUTES.

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.



6

6

SDD 15D51 - 01

SDD 15D51 - 01

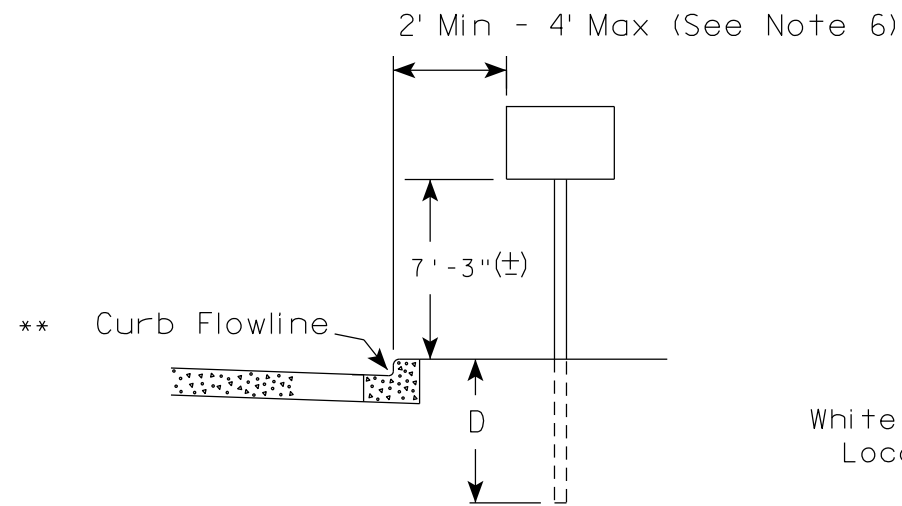
**TRAFFIC CONTROL,
MOBILE OPERATIONS ON
AN UNDIVIDED ROADWAY**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

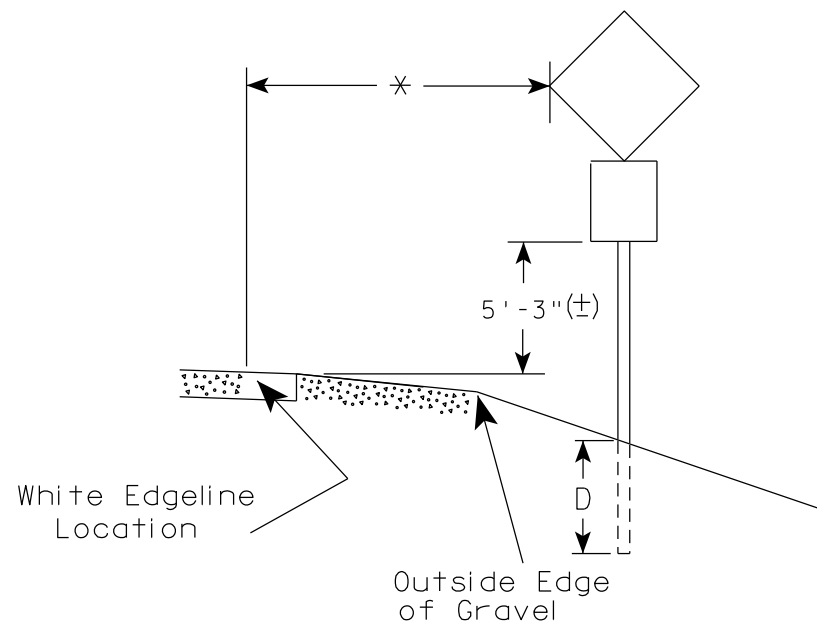
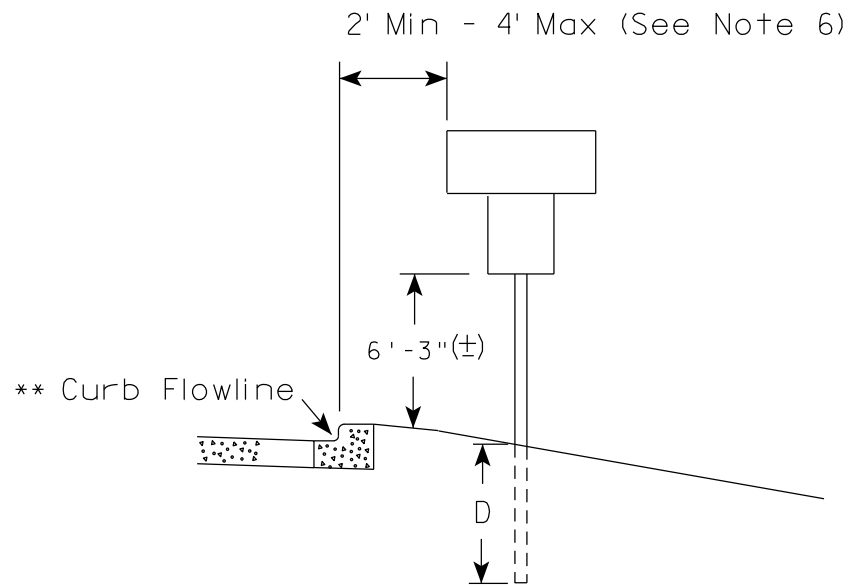
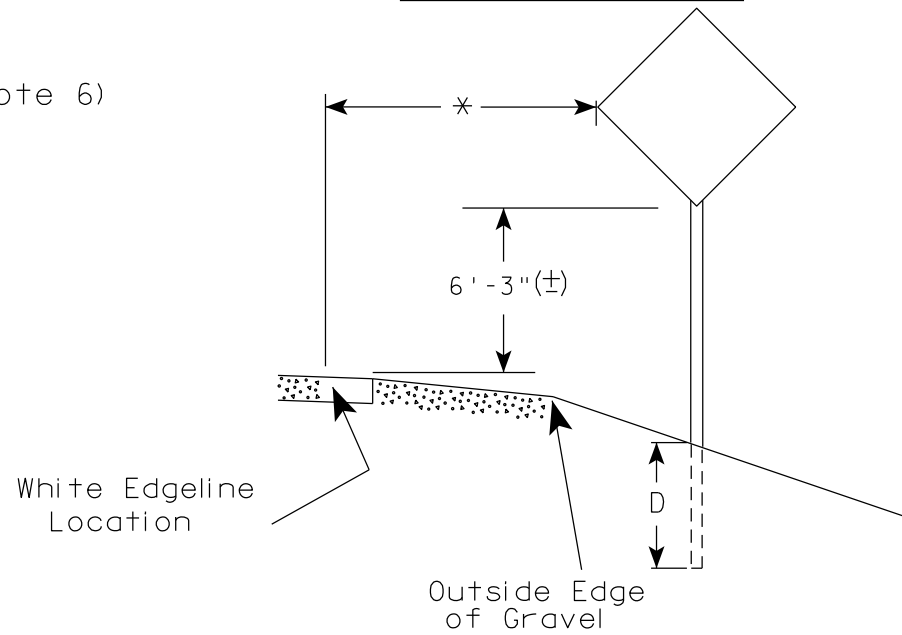
APPROVED
February 2021 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER

FHWA

URBAN AREA



RURAL AREA (See Note 2)



POST EMBEDMENT DEPTH

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

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the Engineer.

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

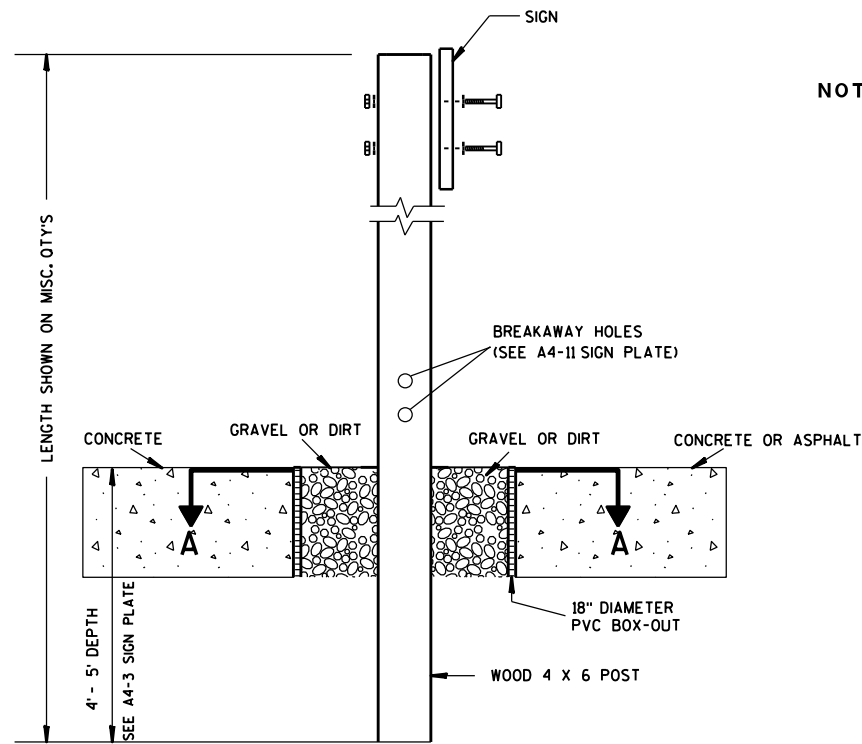
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

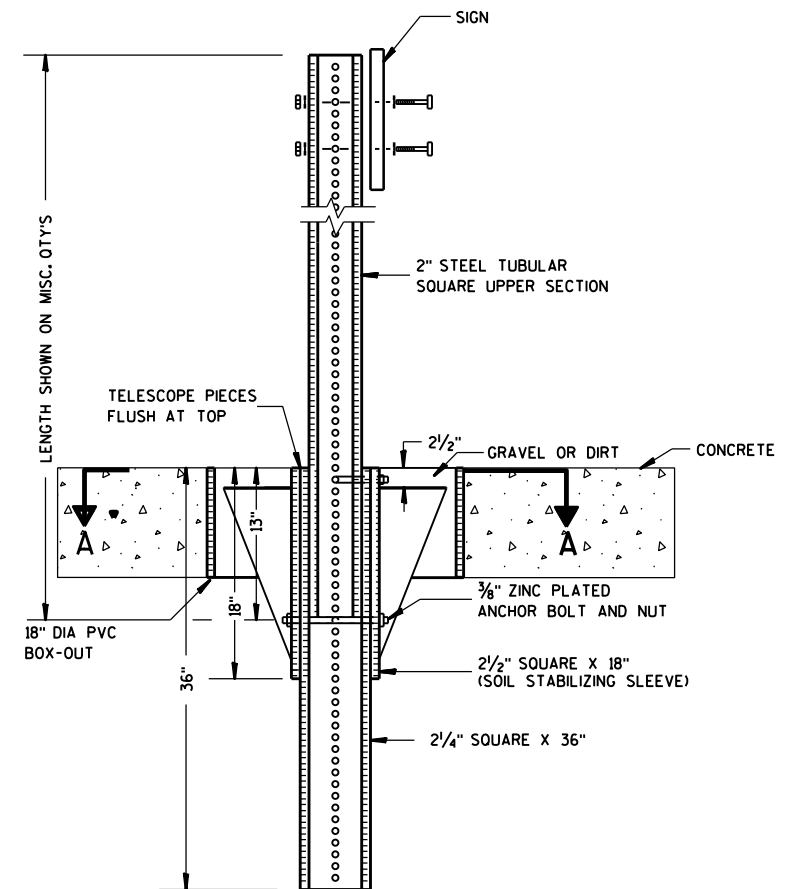
DATE 5/13/2020 PLATE NO. A4-3.22



ELEVATION VIEW

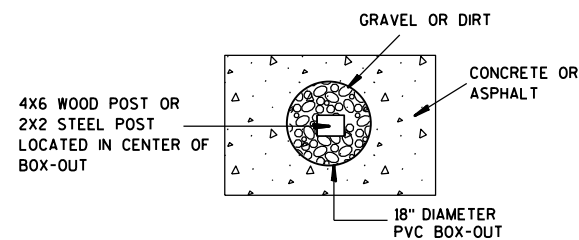
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ ASPHALT INSTALLATIONS

**SIGN POST
BOX-OUTS
A4-3B**

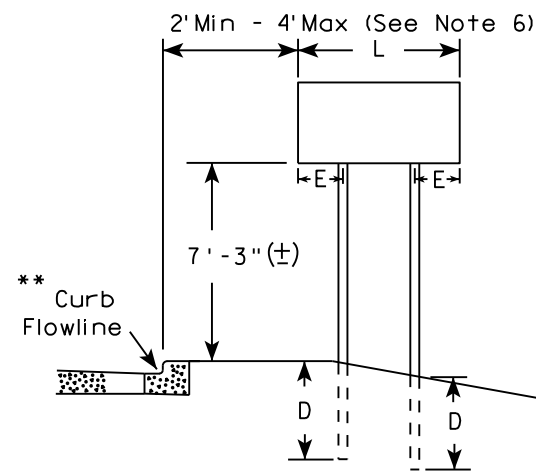
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 1/27/14 PLATE NO. A4-3B.1

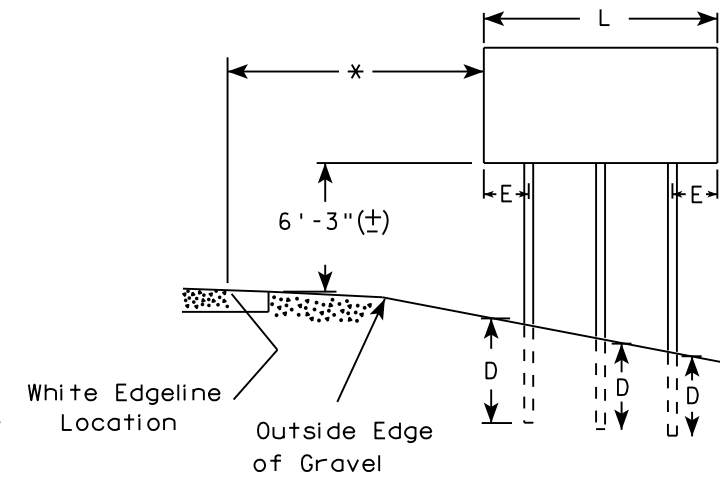
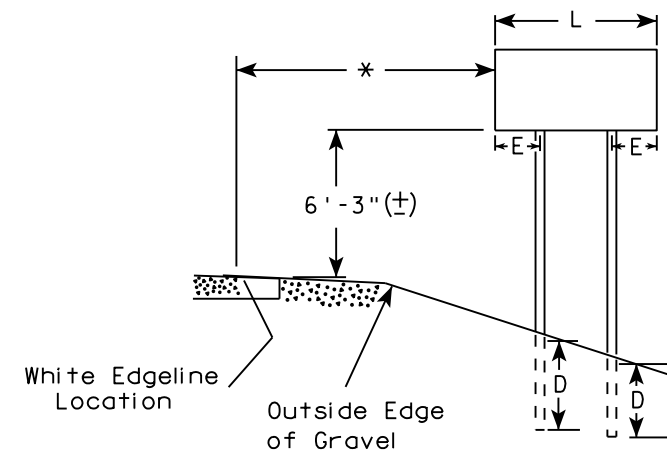
GENERAL NOTES

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

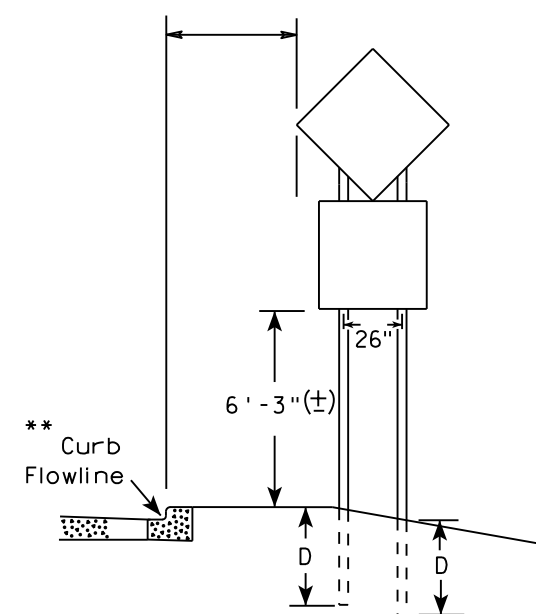
URBAN AREA



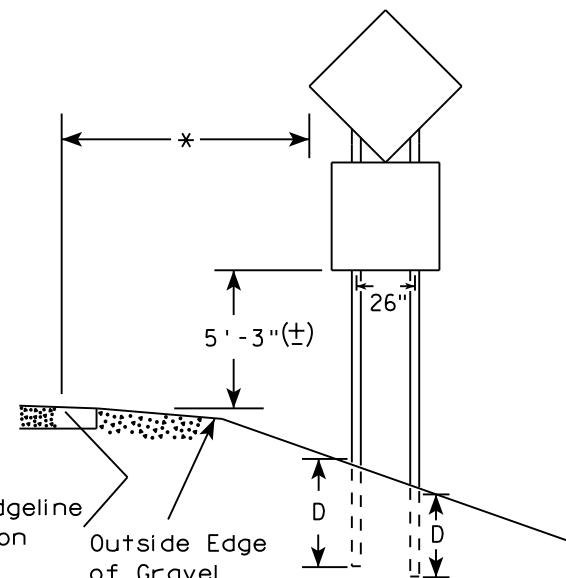
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 108"	L/5

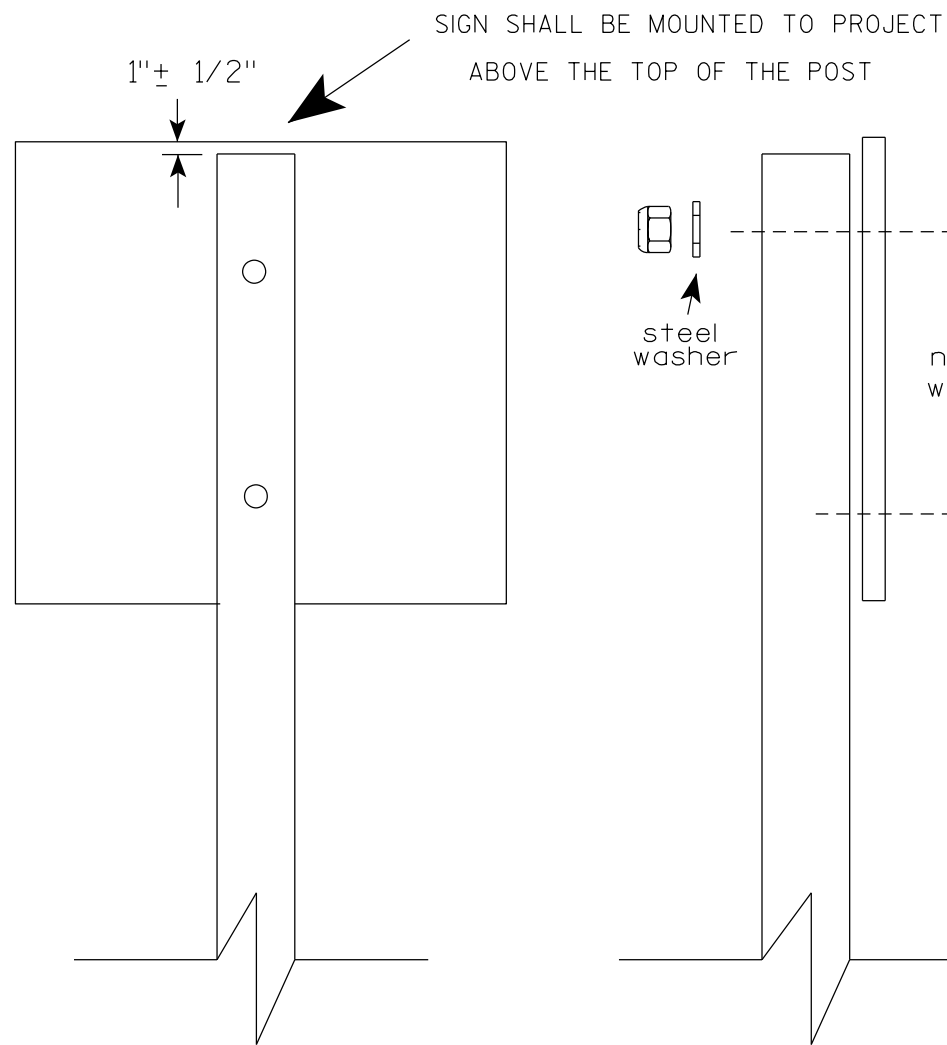
SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION
 APPROVED *Matthew R. Rauch*
 For State Traffic Engineer
 DATE 8/21/17 PLATE NO. A4-4.15



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

- Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
- Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

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

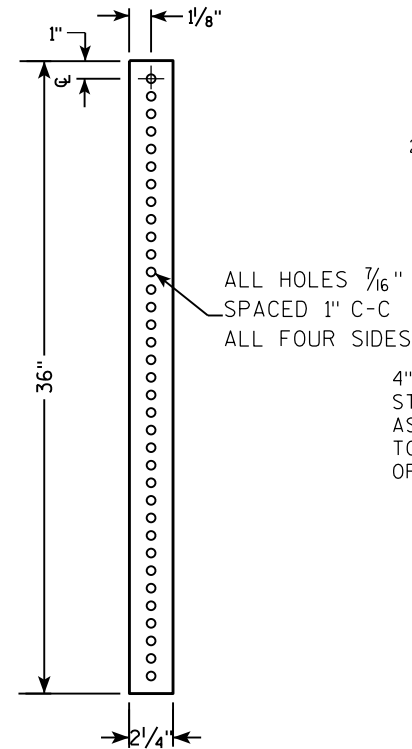
- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - $\frac{5}{16}$ " X 1-3/4" Length w/ lock nuts
- WOOD POSTS (4" x 6")
- LAG SCREWS - $\frac{3}{8}$ " X 3" (NO STRINGERS ON BACK OF SIGN)
 - $\frac{3}{8}$ " X 4" (STRINGERS ON BACK OF SIGN)
- SQUARE STEEL POSTS (2" x 2")
- MACHINE BOLTS - $\frac{3}{8}$ " X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
 - $\frac{3}{8}$ " X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
- RIVETS - $\frac{9}{32}$ " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
- O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
- WASHERS (ALL POSTS) -
- 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
 - 1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

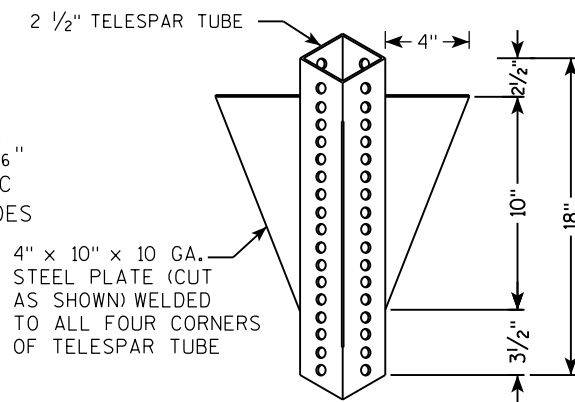
ATTACHMENT OF SIGNS TO POSTS	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R Rauch</i> For State Traffic Engineer
DATE 4/1/2020	PLATE NO. A4-8.9

**TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM**

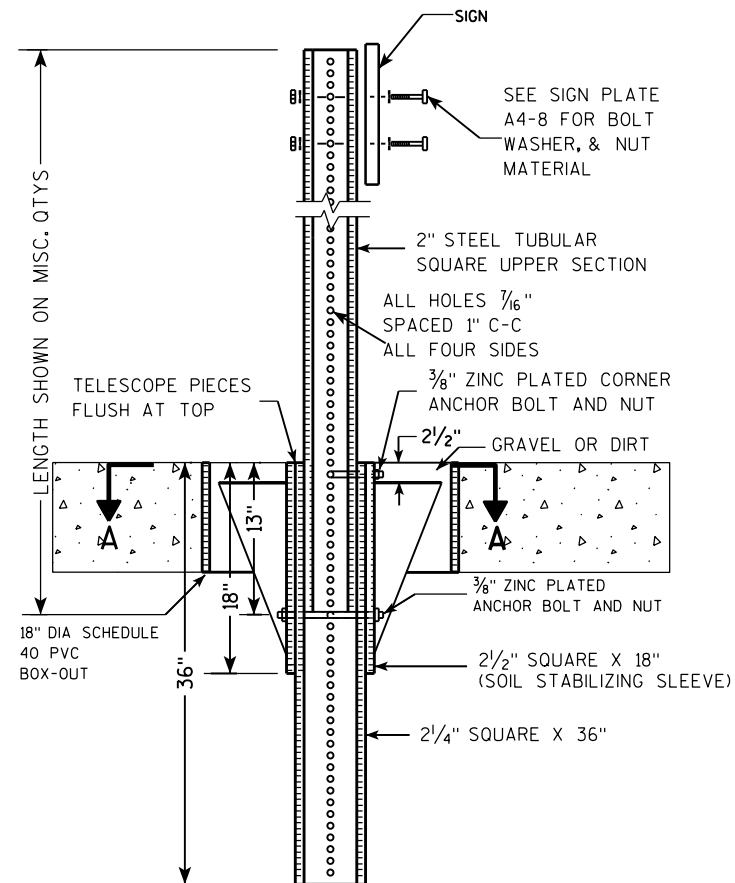
2 1/4" SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



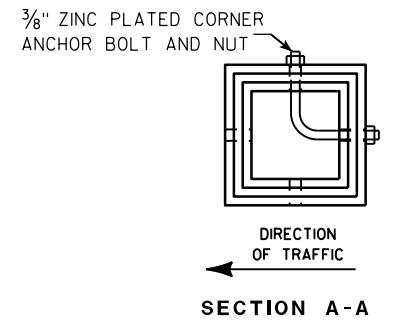
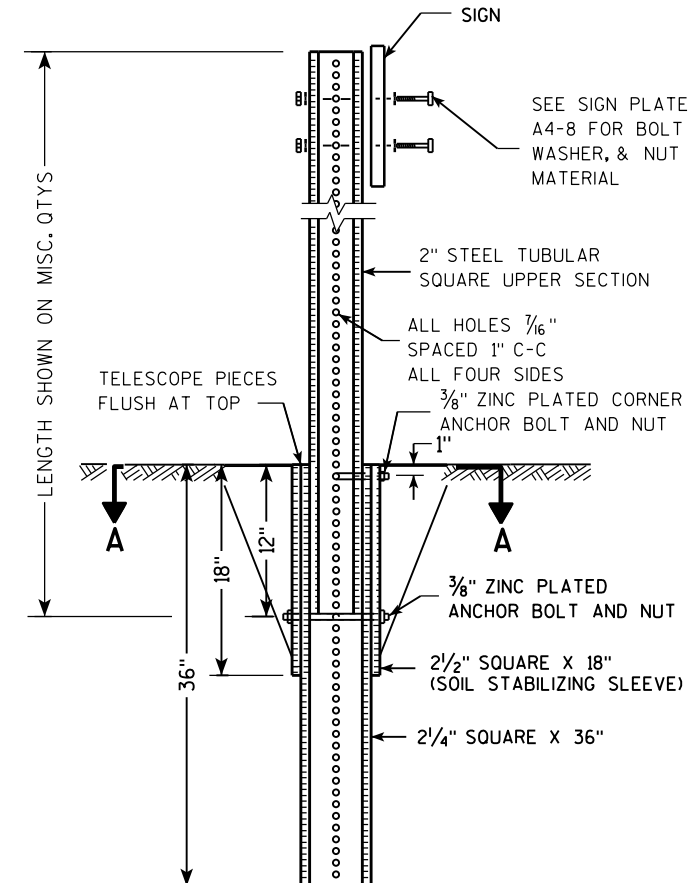
2 1/2" SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH



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



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



Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

**TUBULAR STEEL
SIGN POST
A4-9**

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

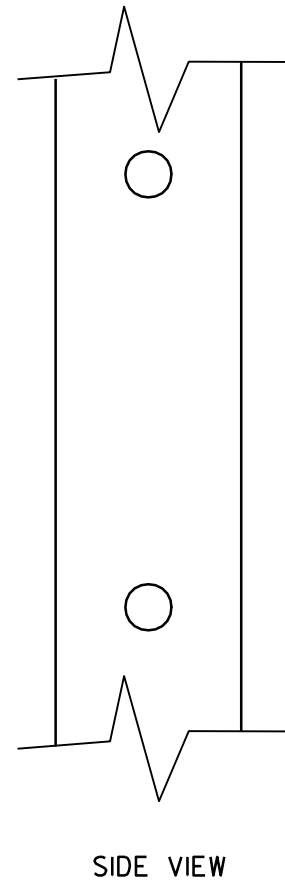
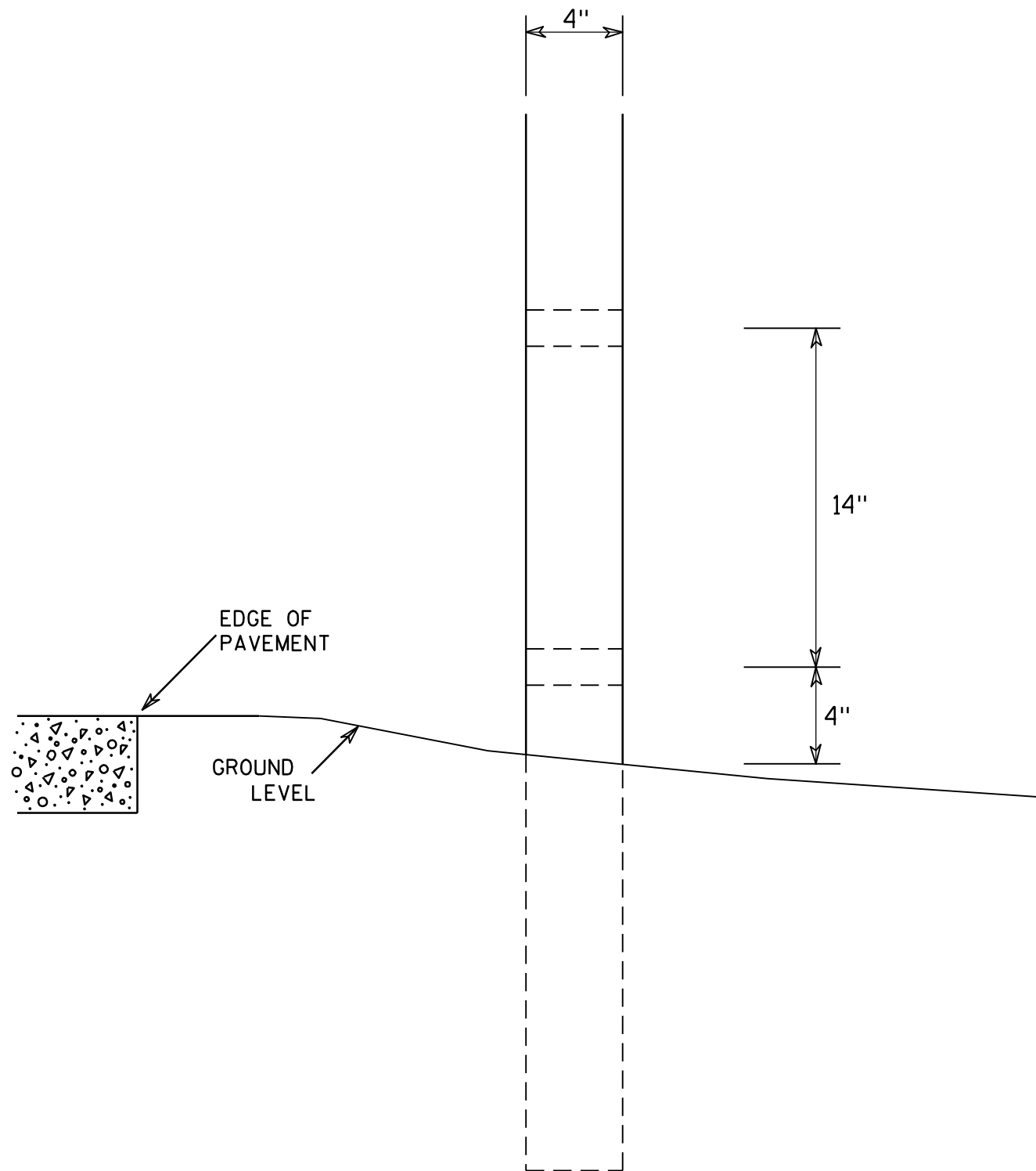
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E



GENERAL NOTES

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

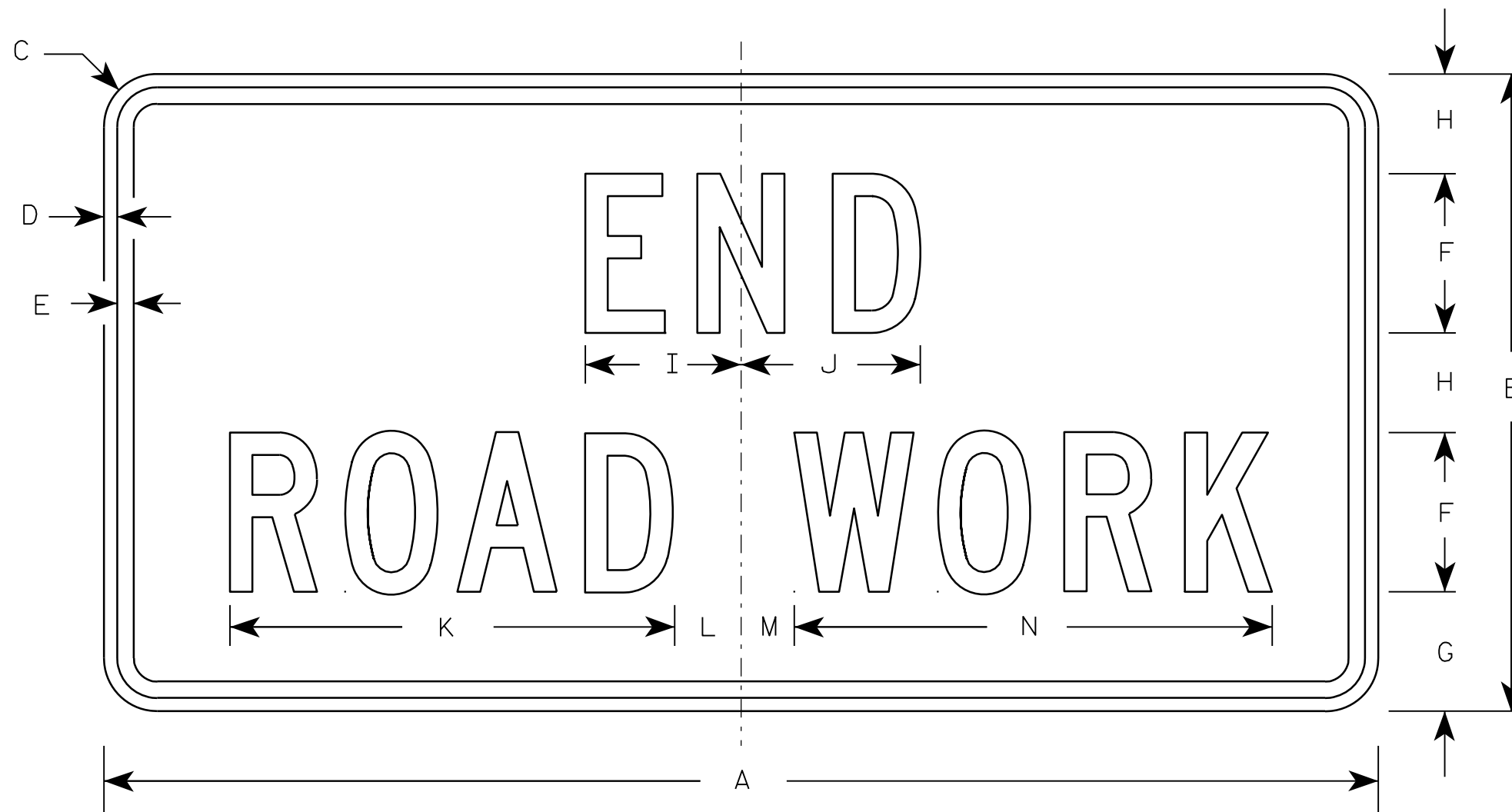
7

7

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

NOTES

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



G20-2A

Metric equivalent
for this sign is:

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

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area sq.
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

STANDARD SIGN
G20-2A

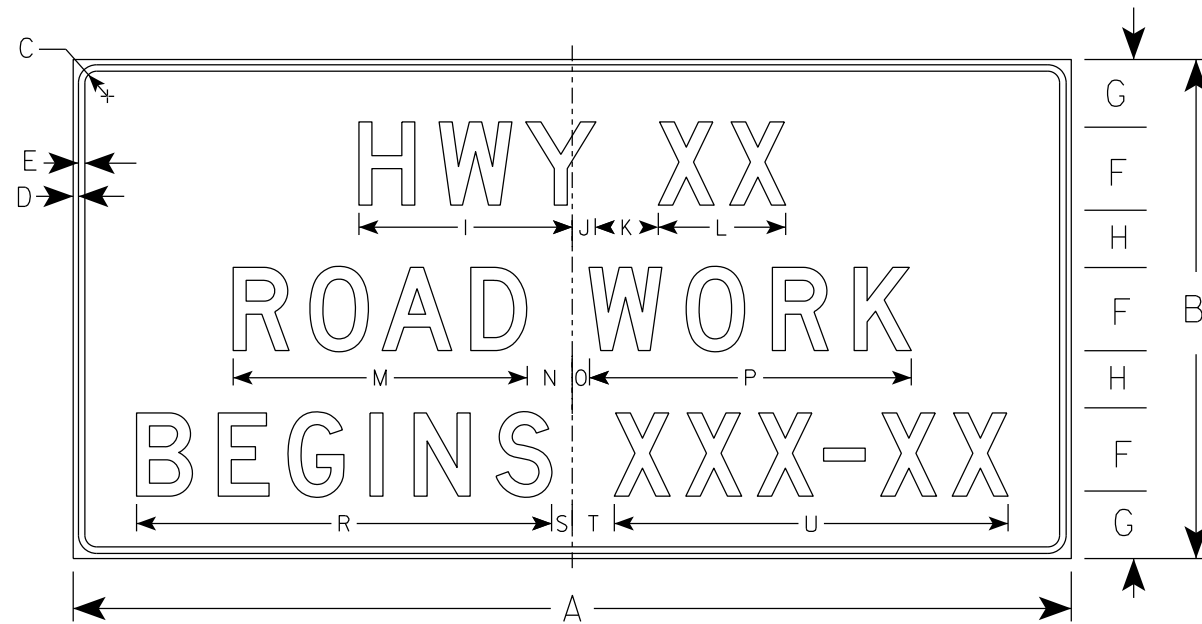
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/4	3 1/2	1 1/2	23 1/4		29 7/8	1 3/4	3 1/4	28 1/2						18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	4 3/8	1 5/8	31		39 1/4	2	4	37 7/8						32.0
5																											

STANDARD SIGN
G20-57

WISCONSIN DEPT OF TRANSPORTATION

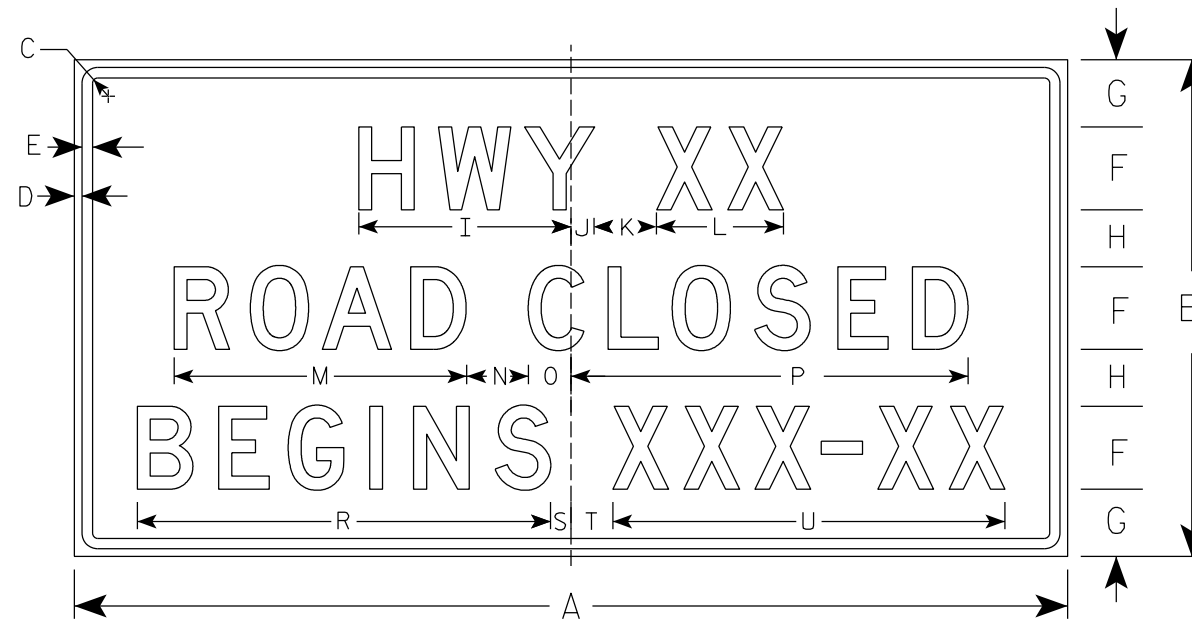
APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 1/22/19 PLATE NO. G20-57.3

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

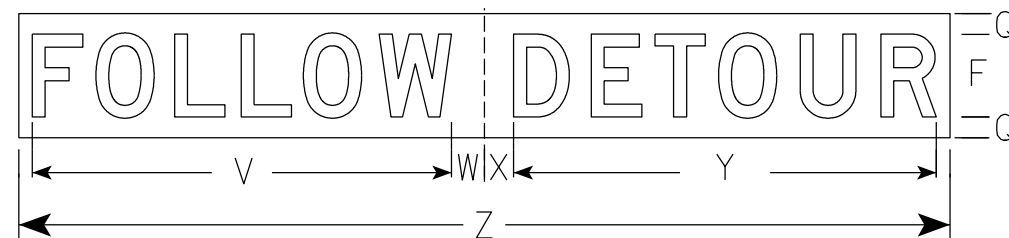
NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Orange
Message - Black
3. Message Series - D
4. Substitute appropriate numeral and adjust spacing to achieve proper balance.



G20-57C

PLAQUE ON .040" ALUMINUM



USE ONLY ONCE WHEN ROAD IS CLOSED

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																											
3	72	36	1 1/8	1/2	5/8	6	5	4	15 5/8	1 5/8	5	9 1/4	21 1/8	5	2 7/8	29	2	30	1 3/4	3 1/4	28 3/8	40 1/2	2	2	29 3/4	66	18.0
4	96	48	2 1/4	3/4	1	8	6 1/2	5 1/2	20 5/8	2 1/4	6	12 1/4	28 1/4	6	4 1/8	38 3/8	2	39 7/8	2	4	37 7/8	29 3/4	3 1/8	2 7/8	40 7/8	90	32.0
5																											

STANDARD SIGN

G20-57C

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
For State Traffic Engineer

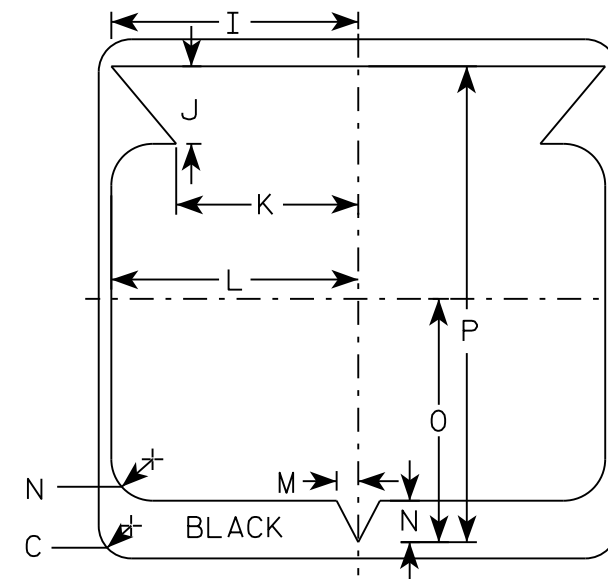
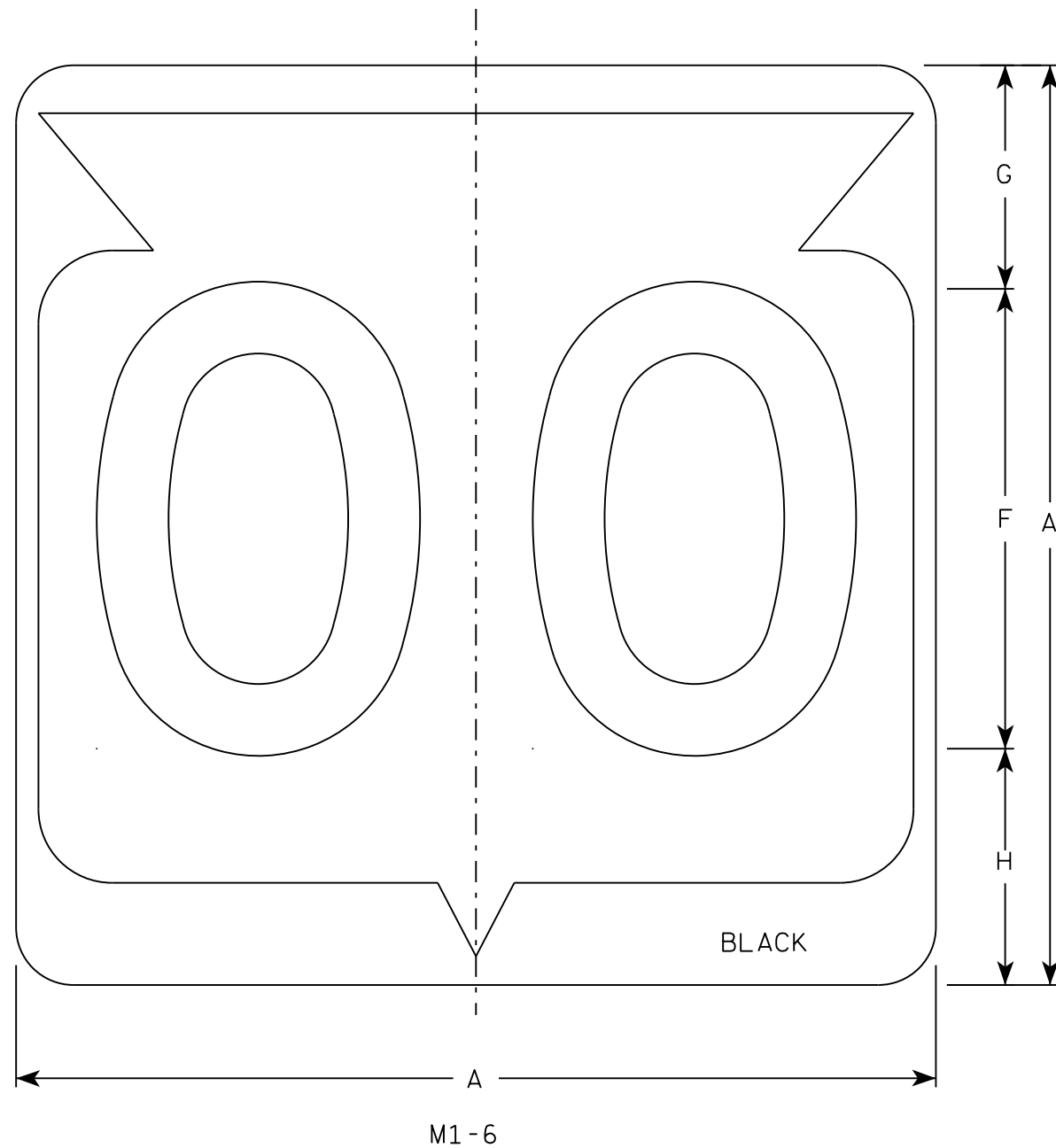
DATE 9/25/19

PLATE NO. G20-57C.1

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

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
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		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

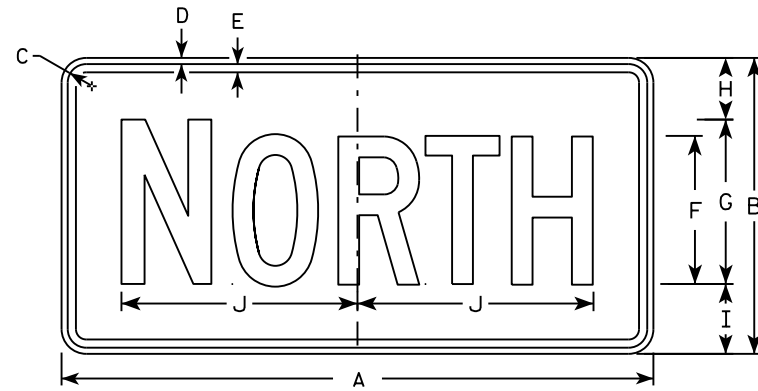
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

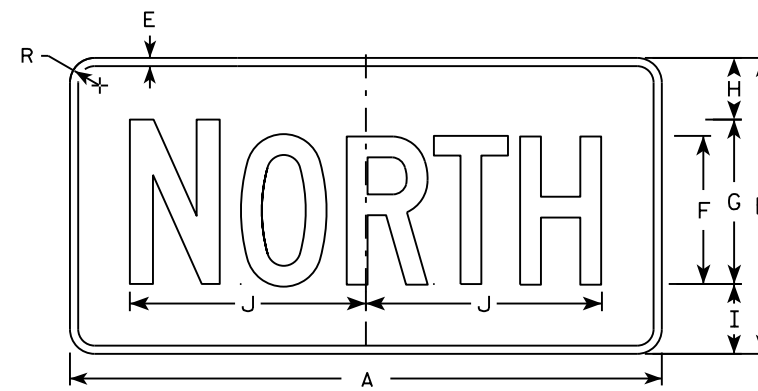
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ **E**

NOTES

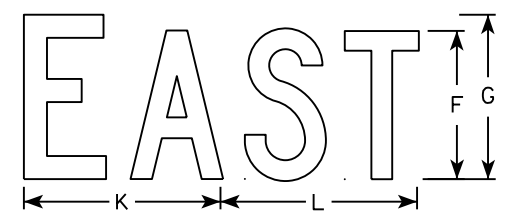
- All Signs Type II - Type H
- Color:
 - Background - See note 5
 - Message - See note 5
- Message Series - C
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M3-1 thru M3-4 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
- Note the first letter of each direction is larger than the remainder of the message.



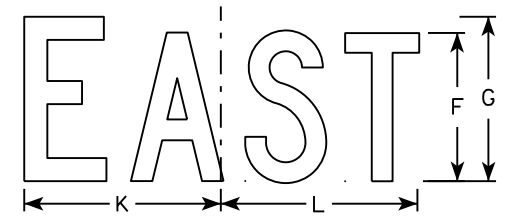
M3-1
MM3-1
MP3-1



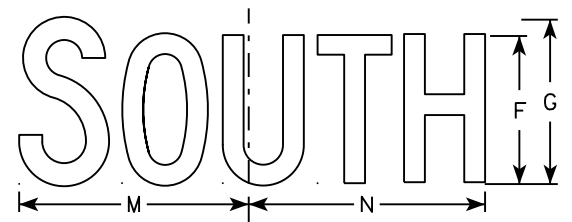
MB3-1
MK3-1
MN3-1



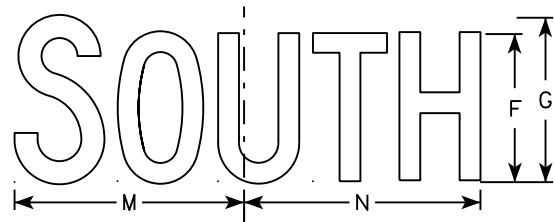
M3-2
MM3-2
MP3-2



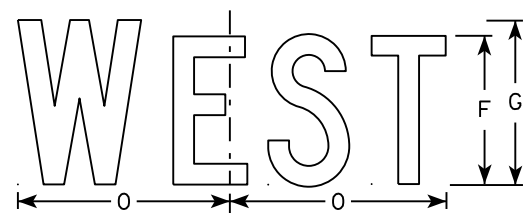
MB3-2
MK3-2
MN3-2



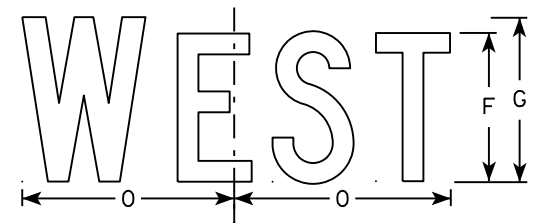
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thru M3-4
SERIES

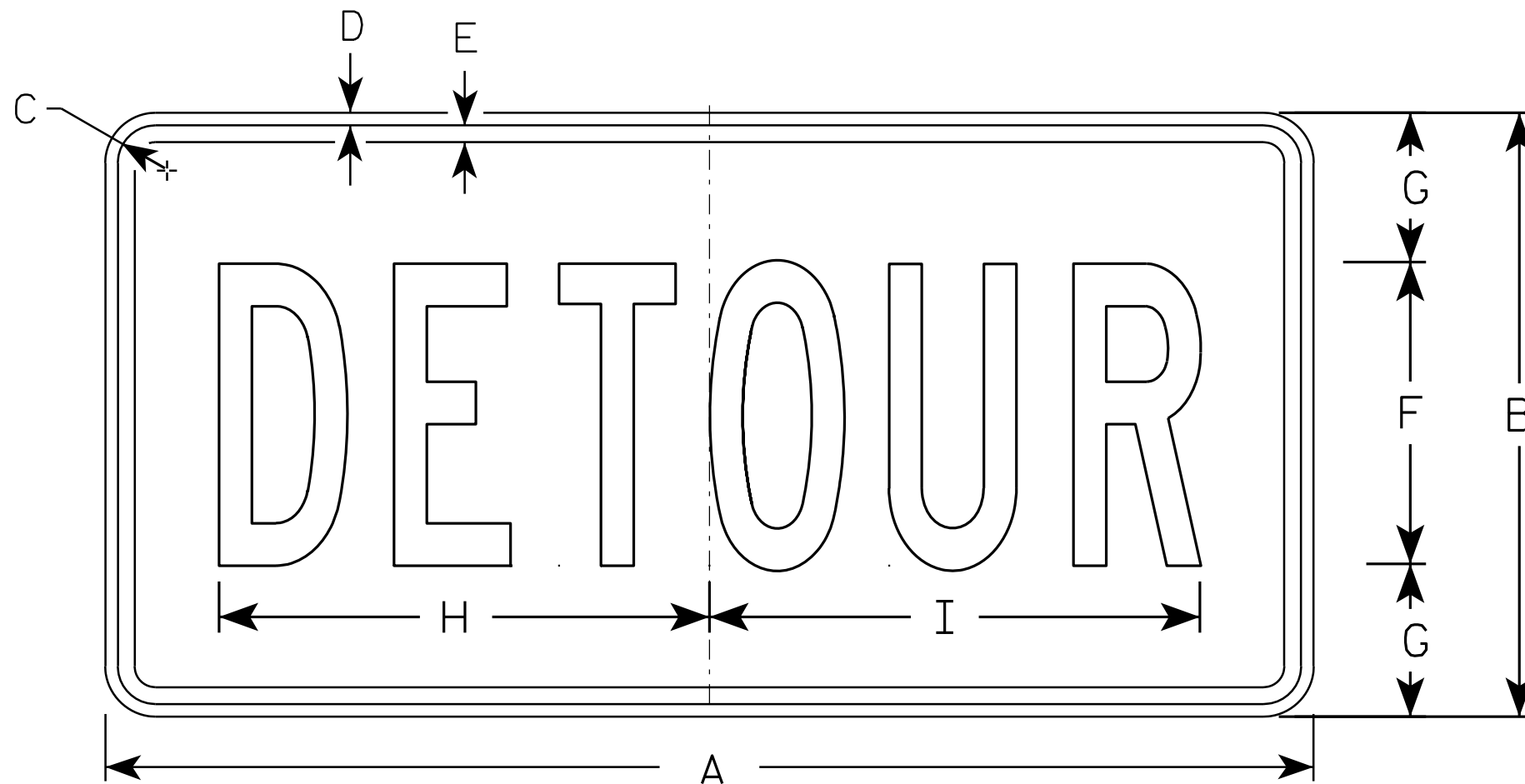
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/15/15 PLATE NO. M3-1.14

NOTES

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



M4-8

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	3	10	10 1/4																		2.0
3	36	18	1 1/8	3/8	1/2	9	4 1/2	14 5/8	14 1/2																		4.5
4																											
5																											

STANDARD SIGN
M4-8

WISCONSIN DEPT OF TRANSPORTATION

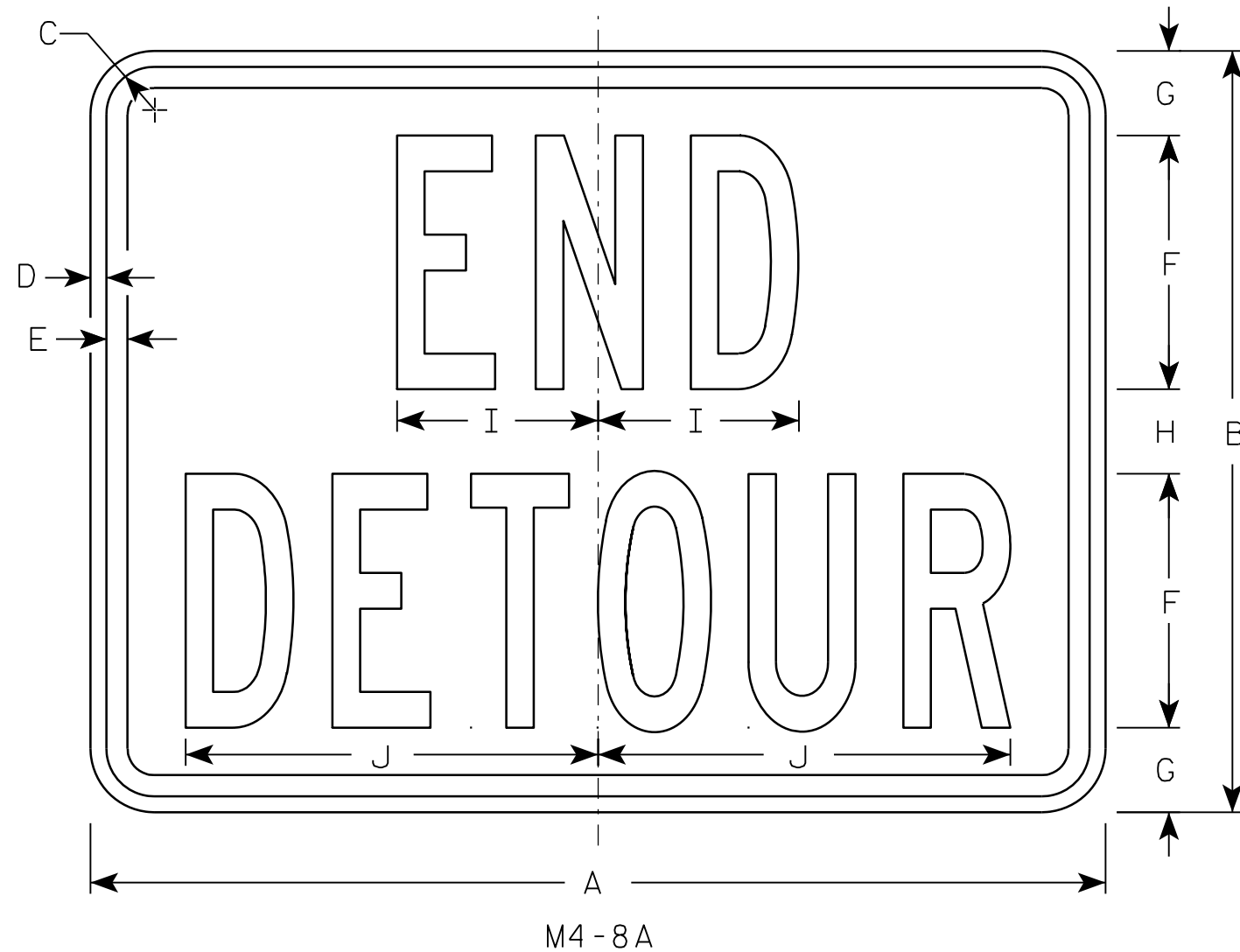
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/10/10 PLATE NO. M4-8.2

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

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - 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.



7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	18	1 1/8	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/8	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4																											
5																											

STANDARD SIGN
M4-8A

WISCONSIN DEPT OF TRANSPORTATION

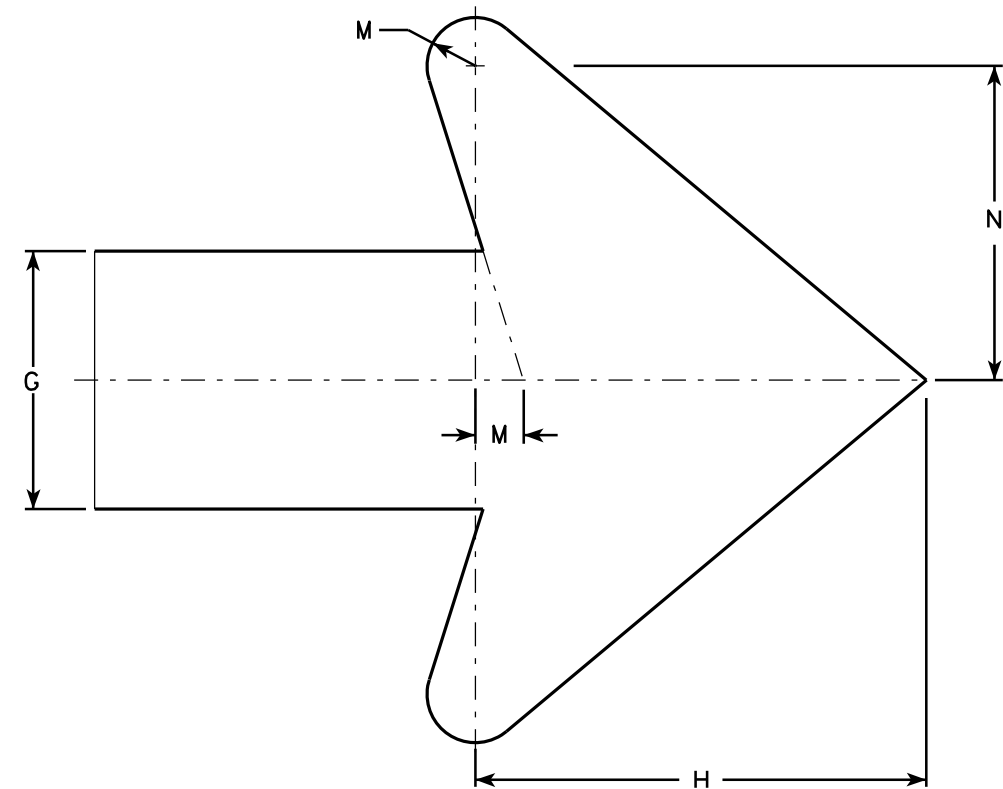
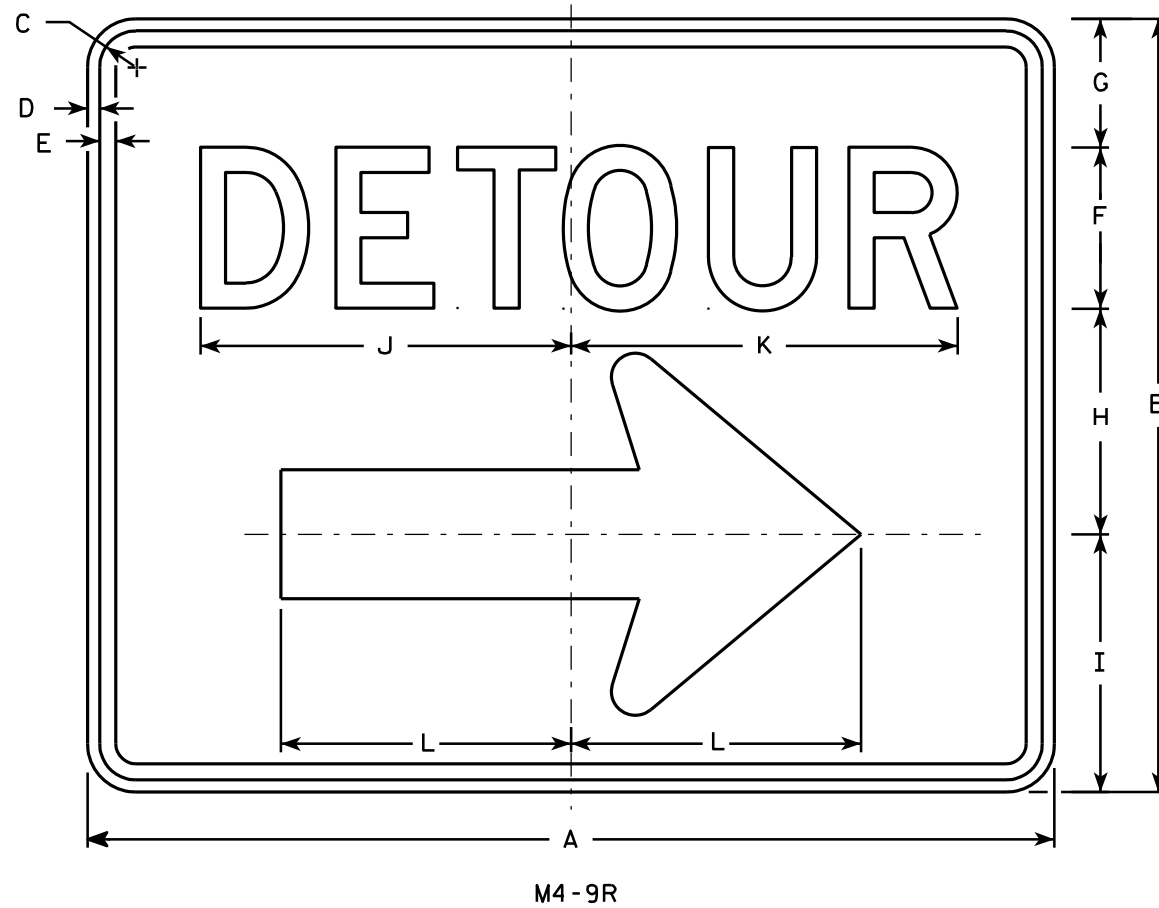
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-8A.2

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

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - 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. M4-9L is the same as M4-9R except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/8	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0
5	48	36	1 3/8	1/2	5/8	8	6	10 1/2	11 5/8	20 5/8	20 1/2	13 1/4	1 1/8	6 7/8													12.0

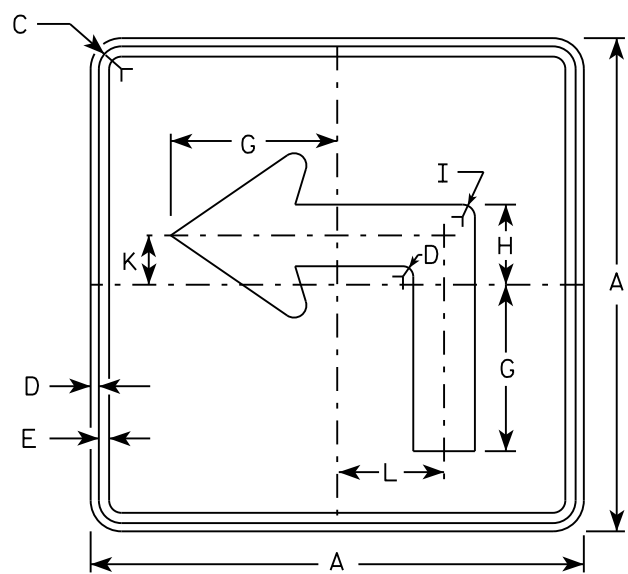
STANDARD SIGN
M4-9 R & L

WISCONSIN DEPT OF TRANSPORTATION

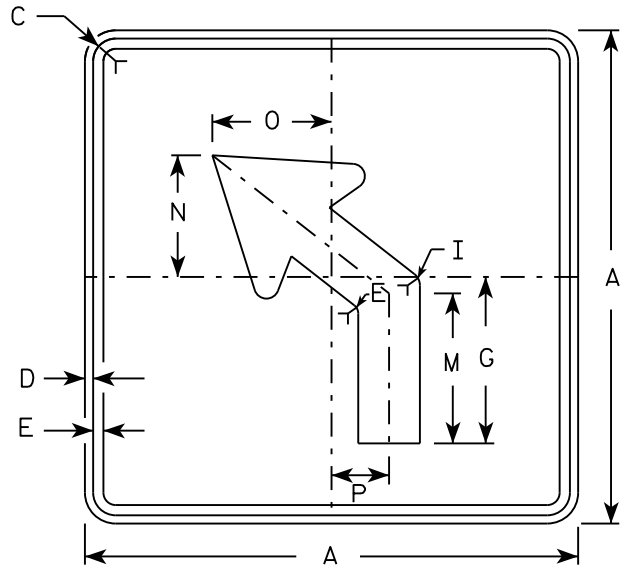
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/9/11 PLATE NO. M4-9R.4

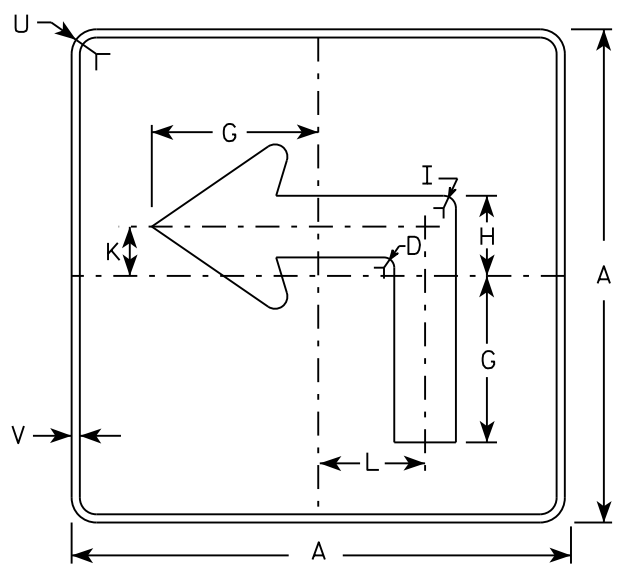
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: **E**



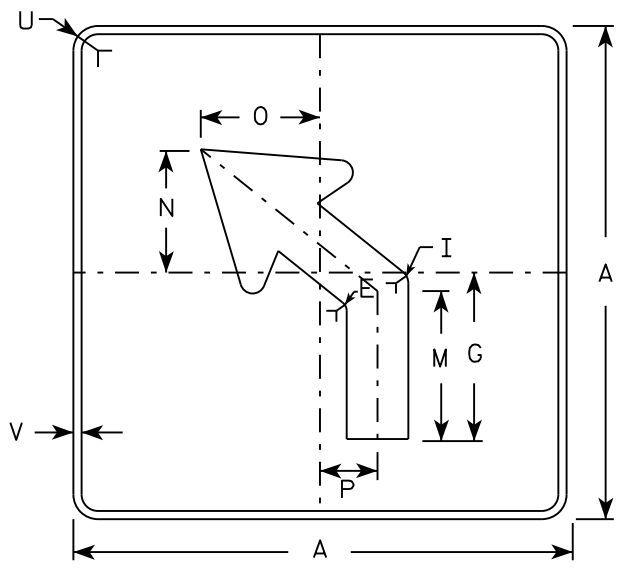
M5-1L
MM5-1L
M05-1L
MP5-1L



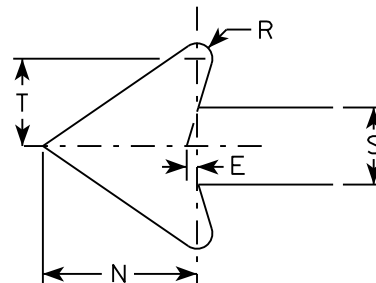
M5-2L
MM5-2L
M05-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

- Signs are Type II - Type H reflective except as shown
- Color:
 - Background - See note 4
 - Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- | | |
|-----------------|---|
| 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 |
| M05-1 and M05-2 | Background - Orange - Type F Reflective |
| | Message - Black |
| MP5-1 and MP5-2 | Background - White - Type H Reflective |
| | Message - Blue |
| MR5-1 and MR5-2 | Background - Brown |
| | Message - Yellow |
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts right.

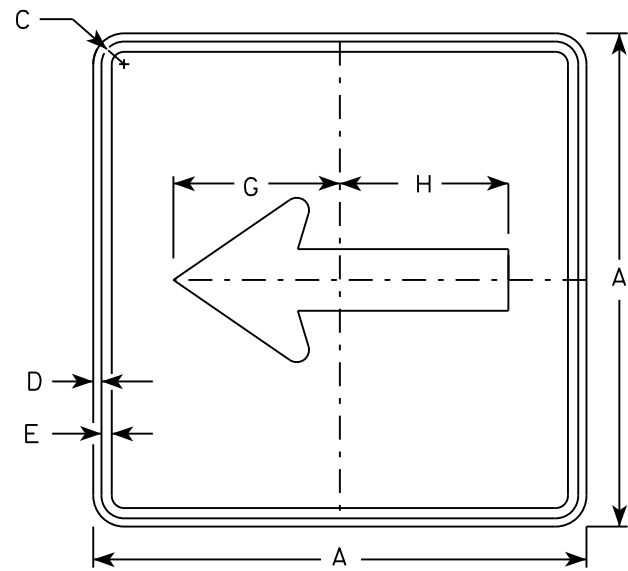
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

STANDARD SIGN
M5-1 & M5-2

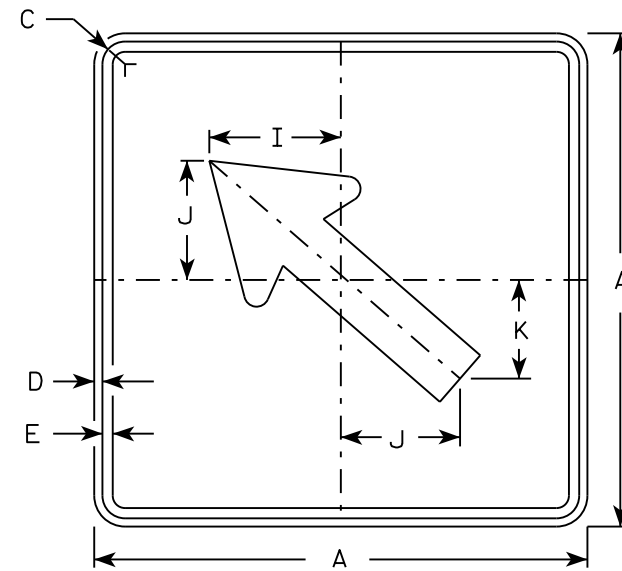
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

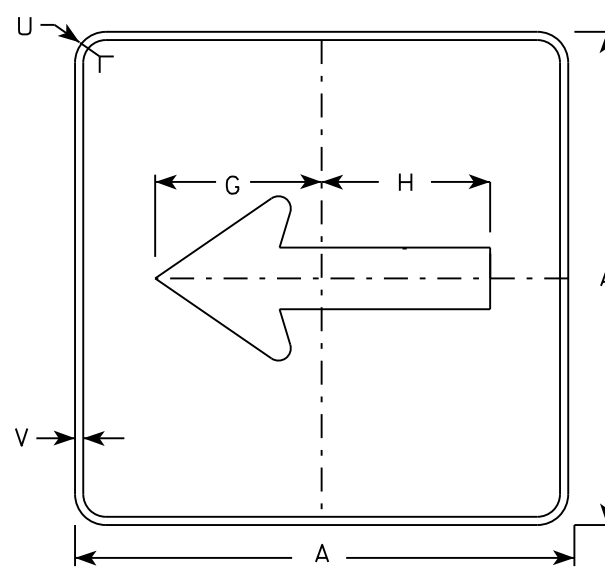
DATE 10/15/15 PLATE NO. M5-1.13



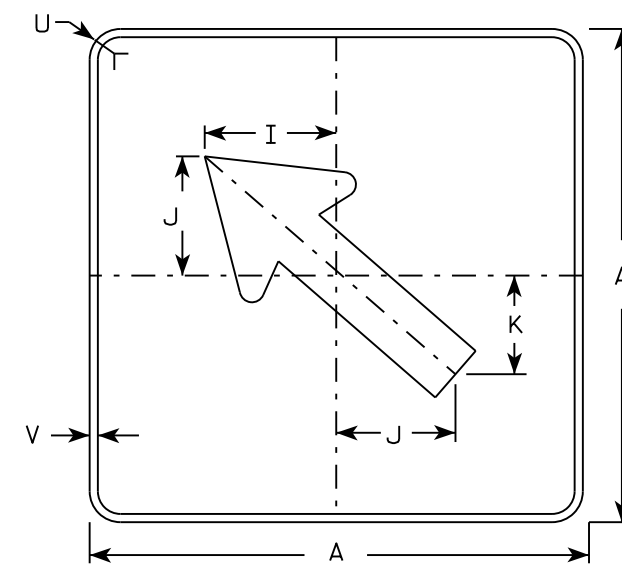
M6-1
MM6-1
M06-1
MP6-1



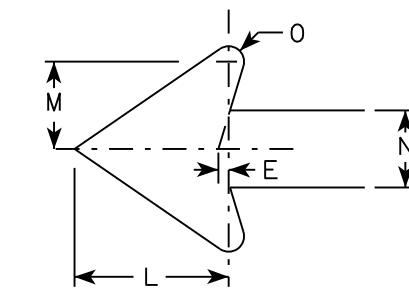
M6-2
MM6-2
M06-2
MP6-2



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



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



NOTES

- Signs are Type II - Type H except as Shown
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- M6-1 and M6-2 Background - White
Message - Black
MB6-1 and MB6-2 Background - Blue
Message - White
MK6-1 and MK6-2 Background - Green
Message - White
MM6-1 and MM6-2 Background - White
Message - Green
MN6-1 and MN6-2 Background - Brown
Message - White
M06-1 and M06-2 Background - Orange - Type F Reflective
Message - Black
MP6-1 and MP6-2 Background - White
Message - Blue
MR6-1 and MR6-2 Background - Brown
Message - Yellow

7

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

STANDARD SIGN
M6-1 & M6-2
SERIES

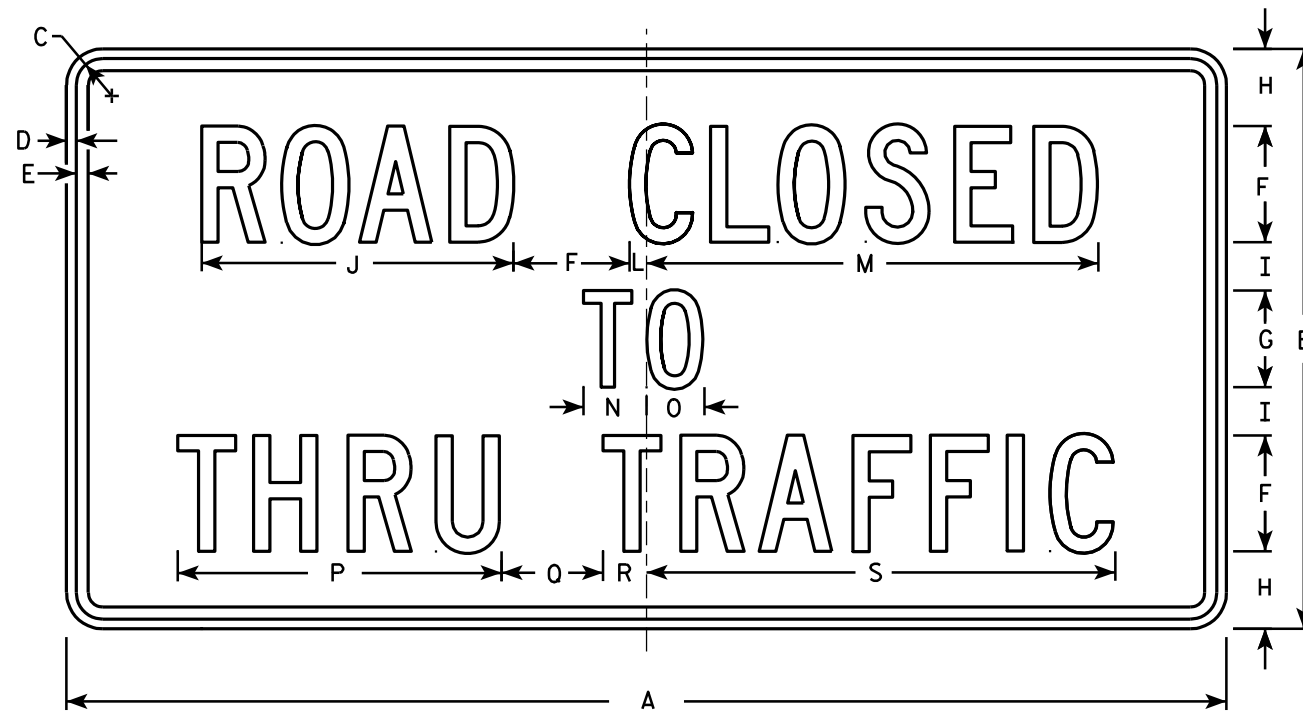
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

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

NOTES

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



R11-4

7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

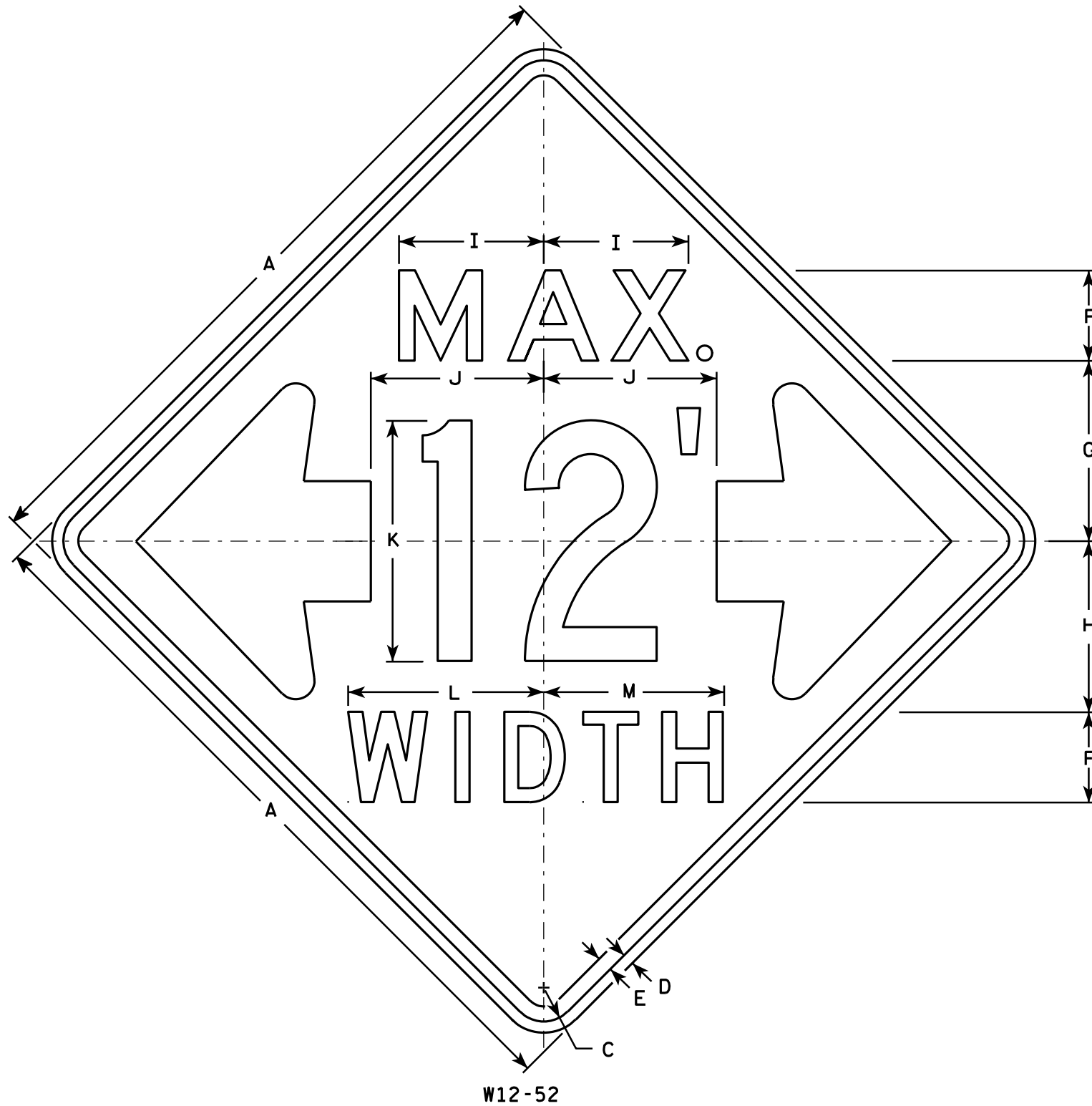
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Raush*
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

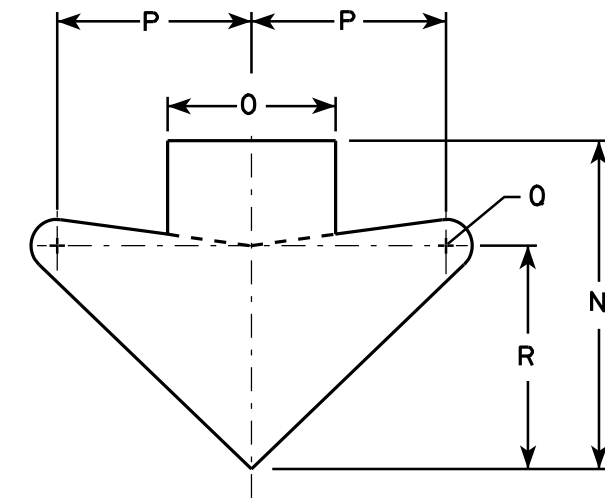
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ E



W12-52

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - 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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



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	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8								16.0	
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8								16.0	
3																											
4																											
5																											

STANDARD SIGN
W12-52

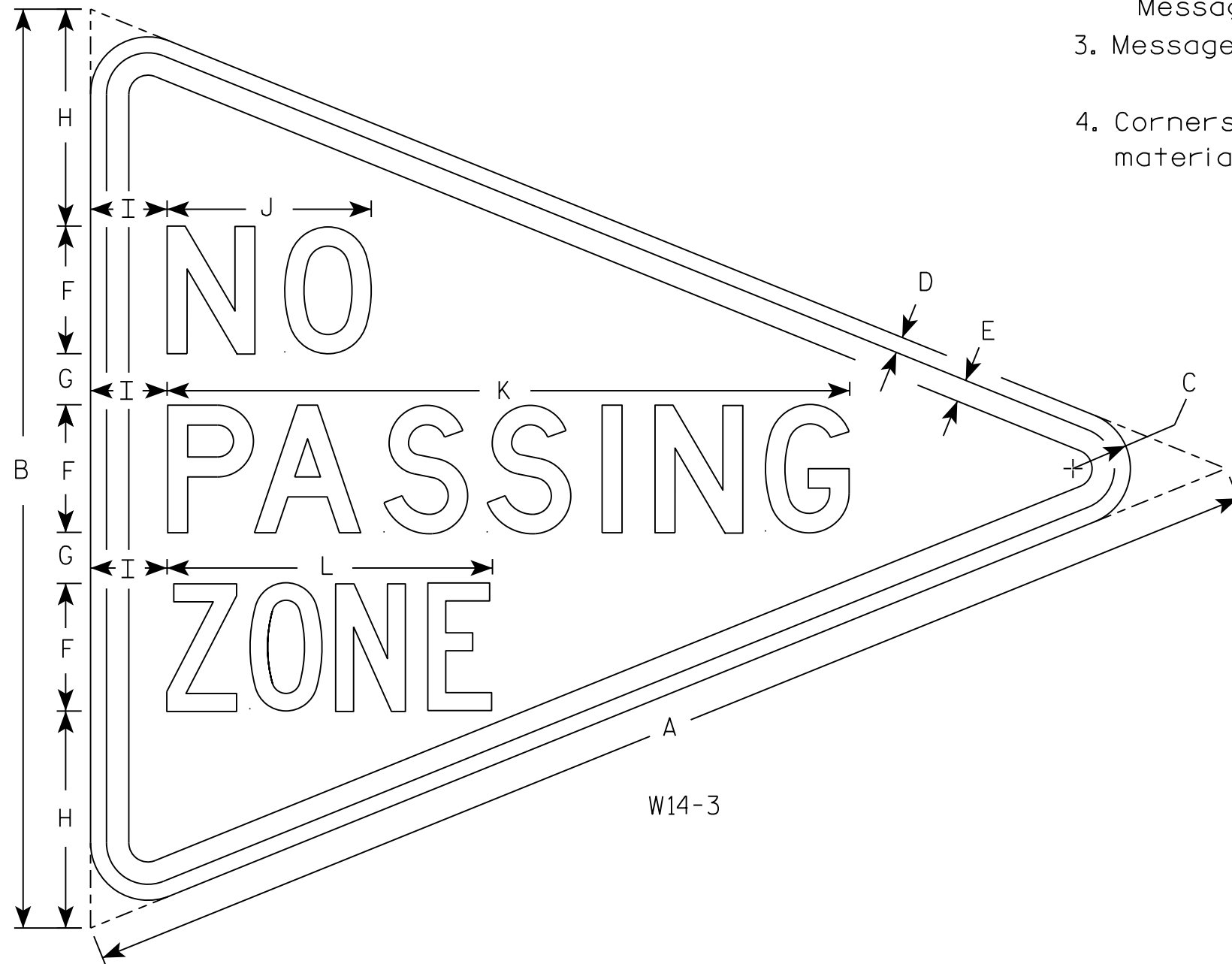
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
Background - Yellow
Message - Black
3. Message Series - Lines 1 and 2 are Series D.
Line 3 is series C.
4. Corners and borders shall be rounded on all base materials for this sign.



7

7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															5.56
2M																											
3																											
4																											
5																											

STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

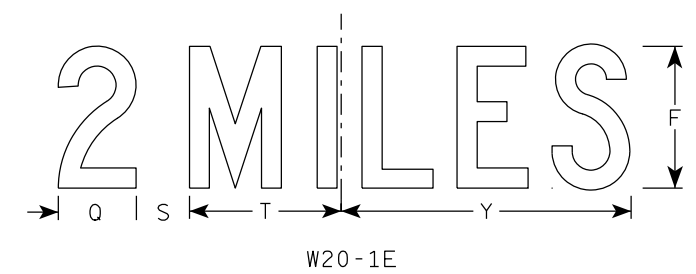
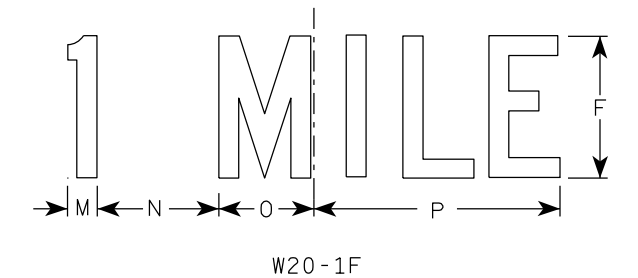
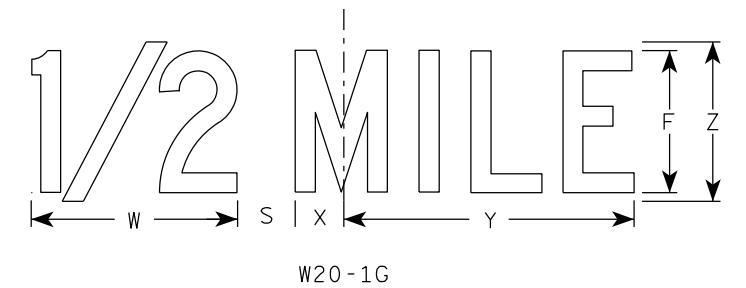
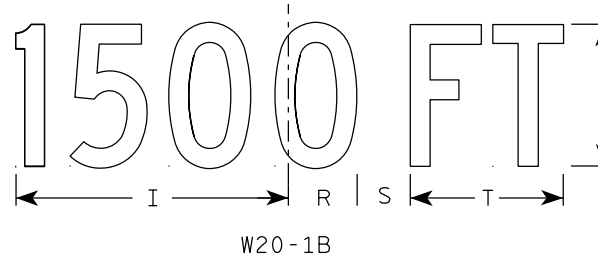
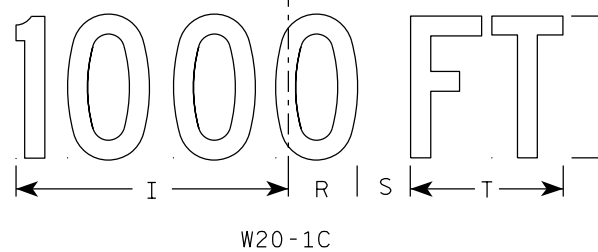
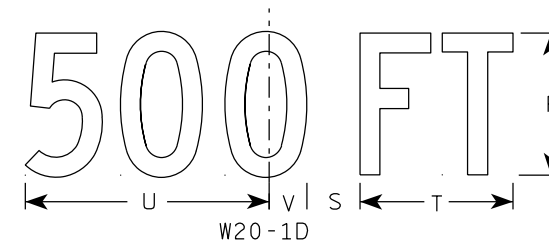
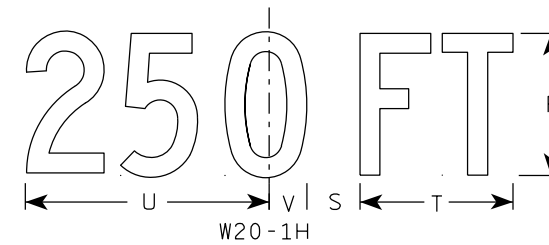
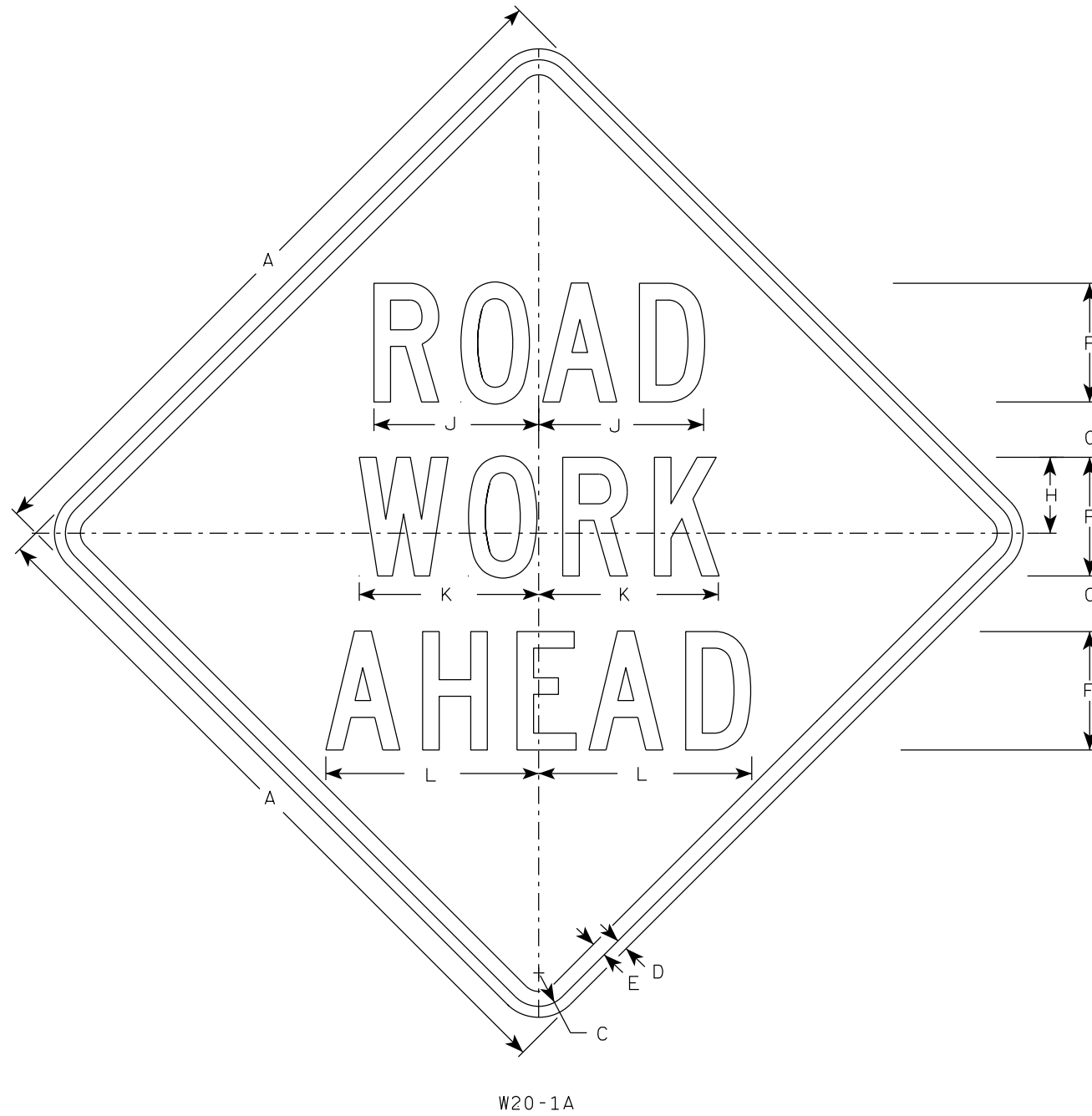
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W14-3.10

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

NOTES

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



W20-1A

W20-1C

W20-1B

W20-1G

W20-1F

W20-1E

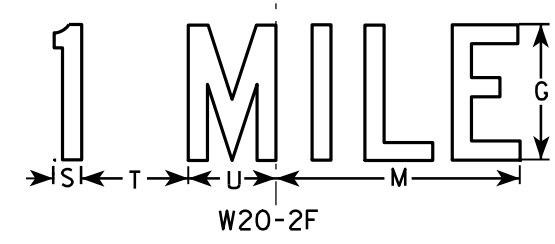
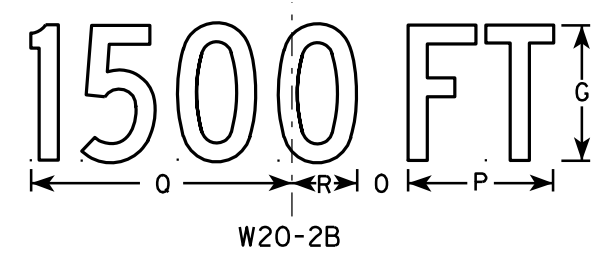
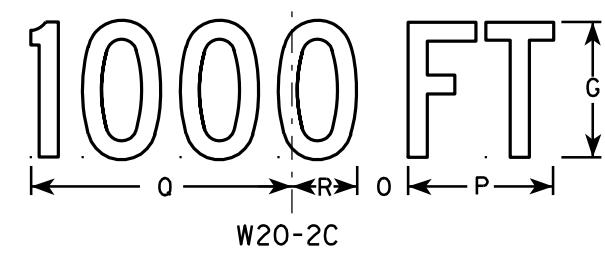
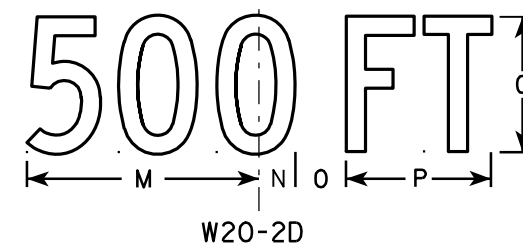
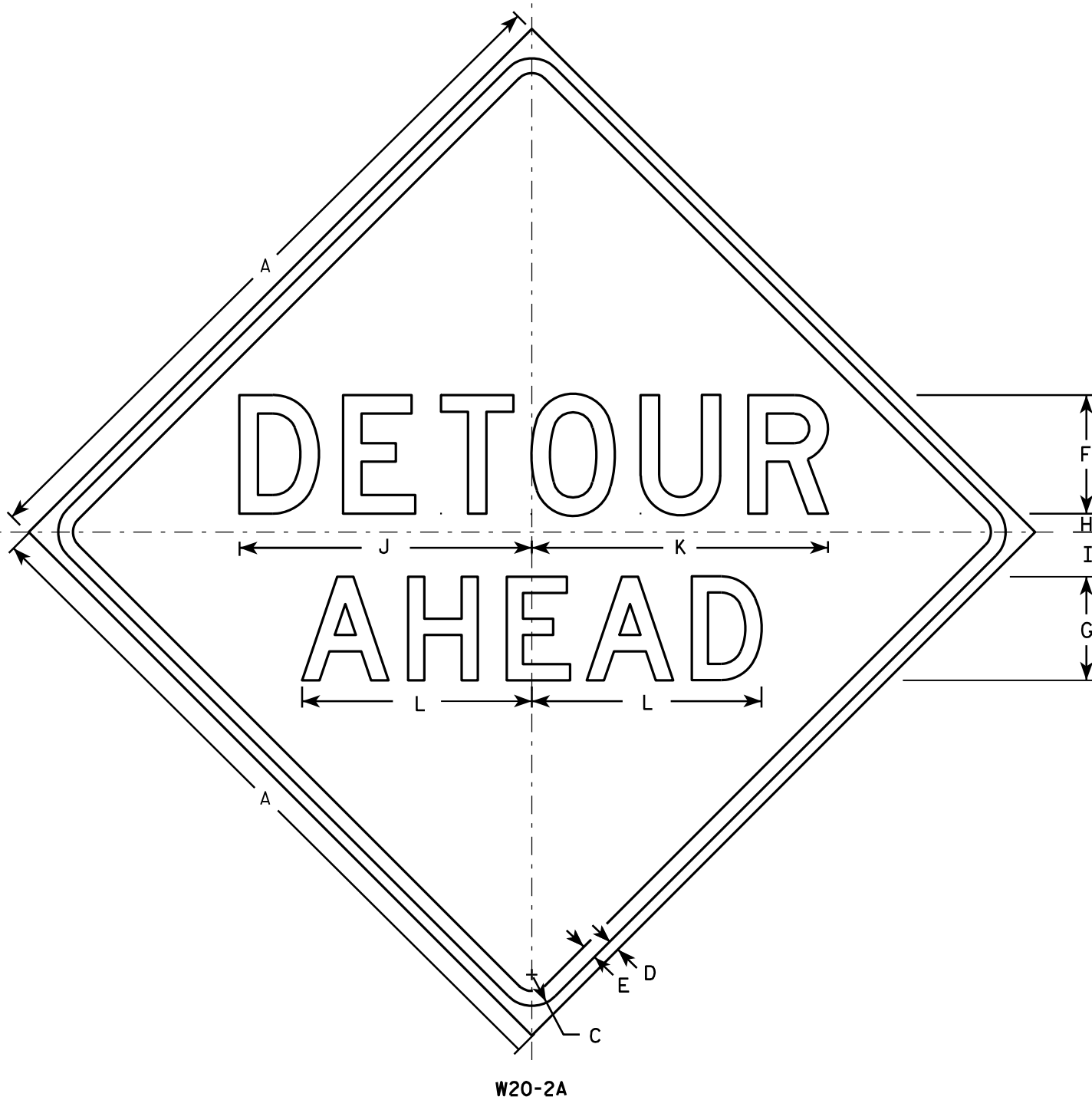
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9	3 1/4	2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8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

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/25/2020 PLATE NO. W20-1.11



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - 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.

7

7

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

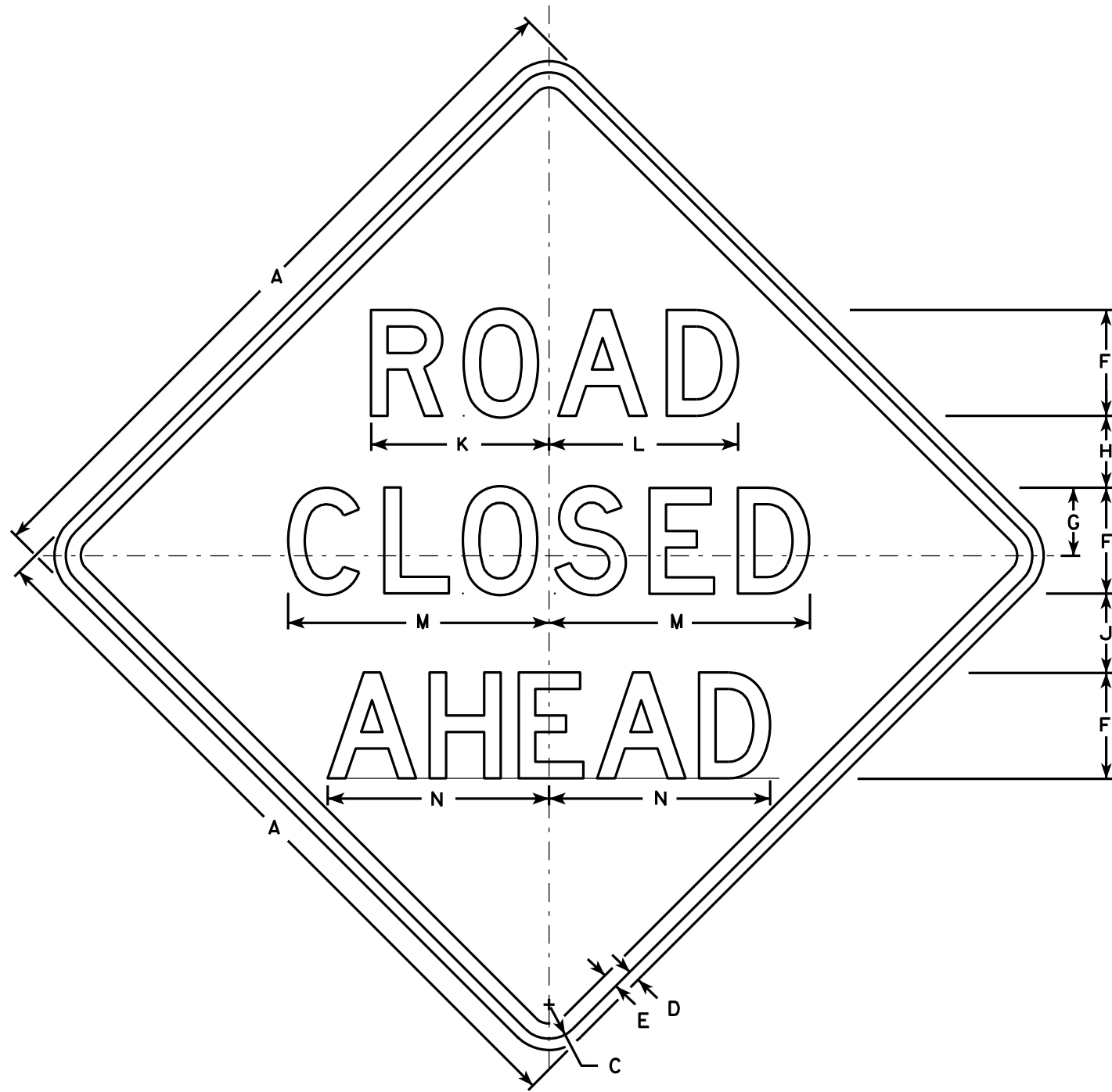
STANDARD SIGN
W20-2A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

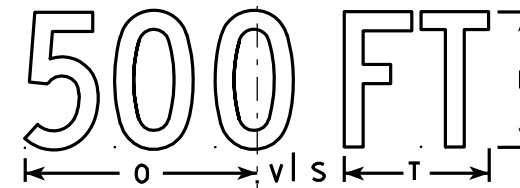
APPROVED *Matthew R. Raub*
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

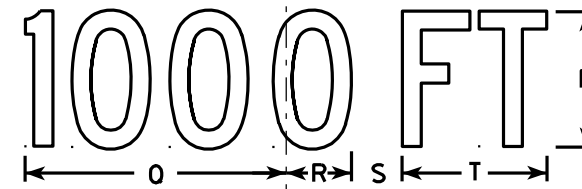
PROJECT NO: _____ HWY: _____ COUNTY: _____ SHEET NO: _____ E



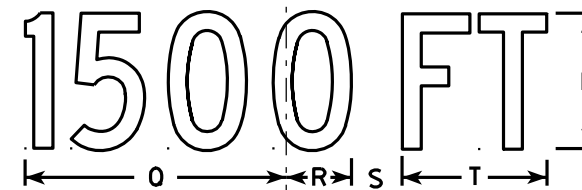
W20-3A



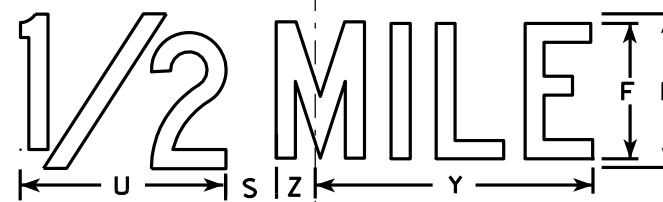
W20-3D



W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - Orange
Message - Black
3. Message Series - 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.

7

7

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

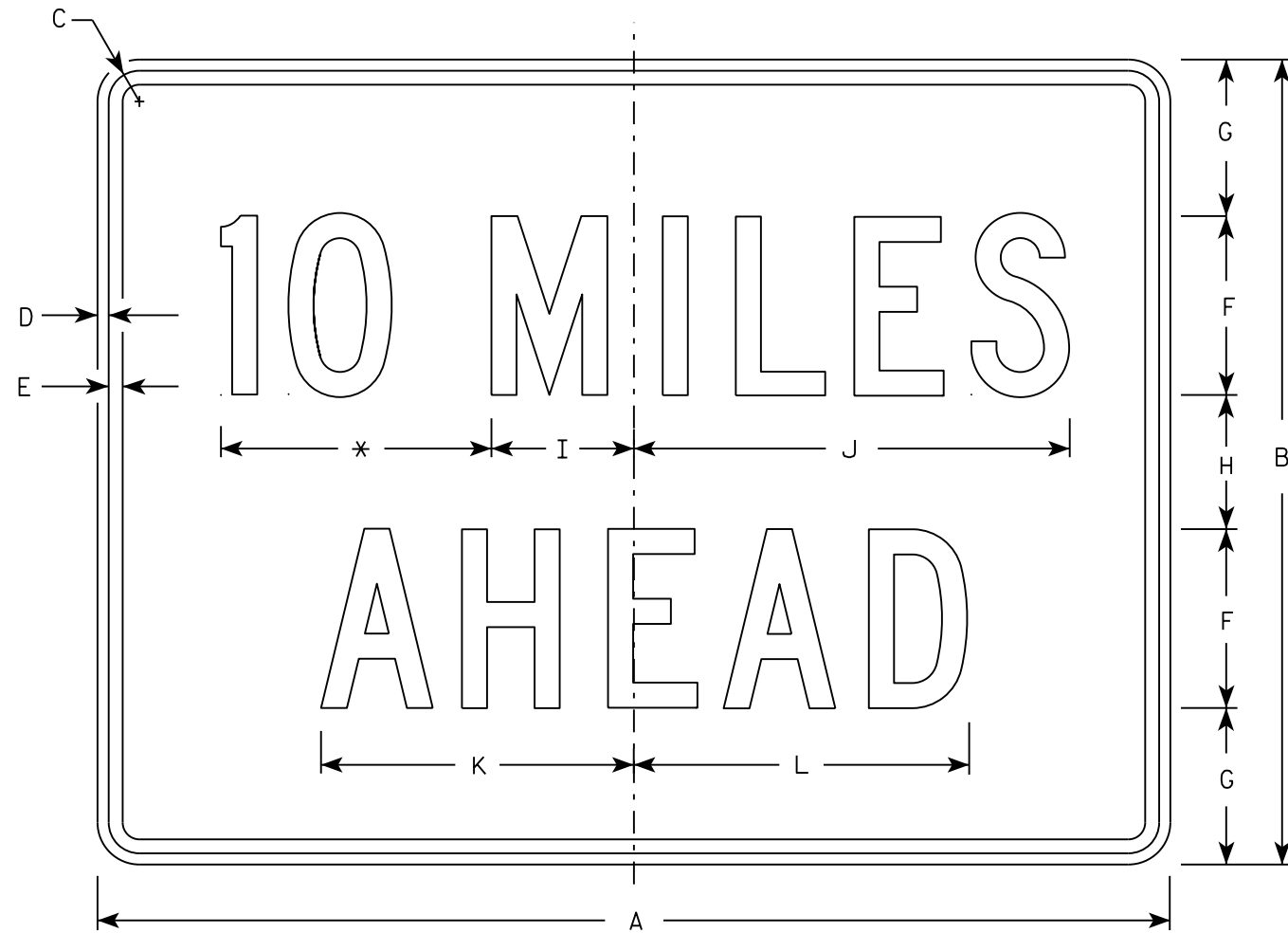
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

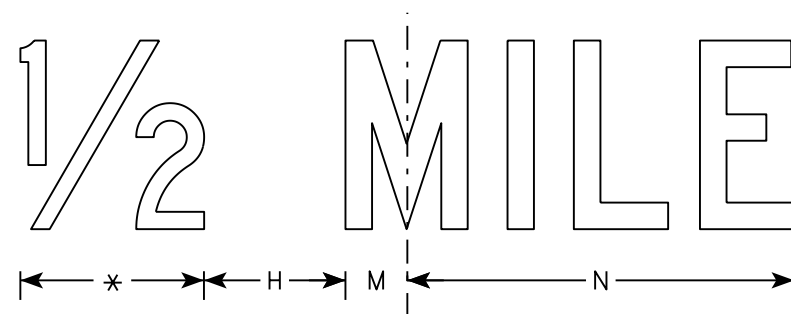
DATE 3/18/11 PLATE NO. W20-3.7

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.
5. Substitute appropriate numerals to the nearest quarter mile and optically adjust spacing to achieve proper balance.



W057-52



* See note 5

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	24	1 1/8	3/8	1/2	6	4 1/2	3	4 3/4	14 5/8	10 5/8	11 3/8	2	12													6.0
2S	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
2M	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
3	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
4	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0
5	48	36	1 3/8	1/2	5/8	8	7	6	6 3/8	19 1/2	14	15	2 3/4	16 3/8													12.0

STANDARD SIGN
W057-52

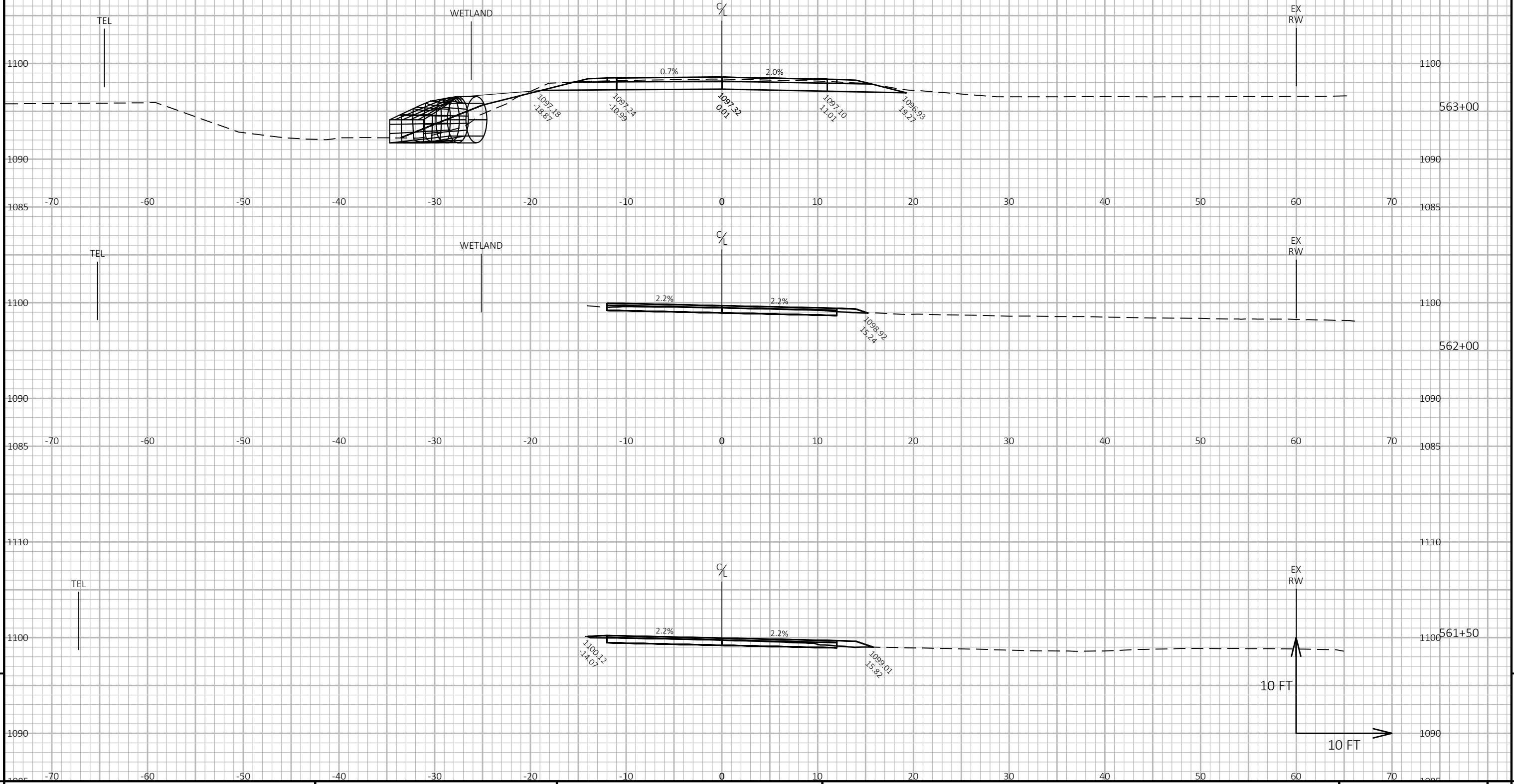
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/21/17 PLATE NO. W057-52.2

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

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



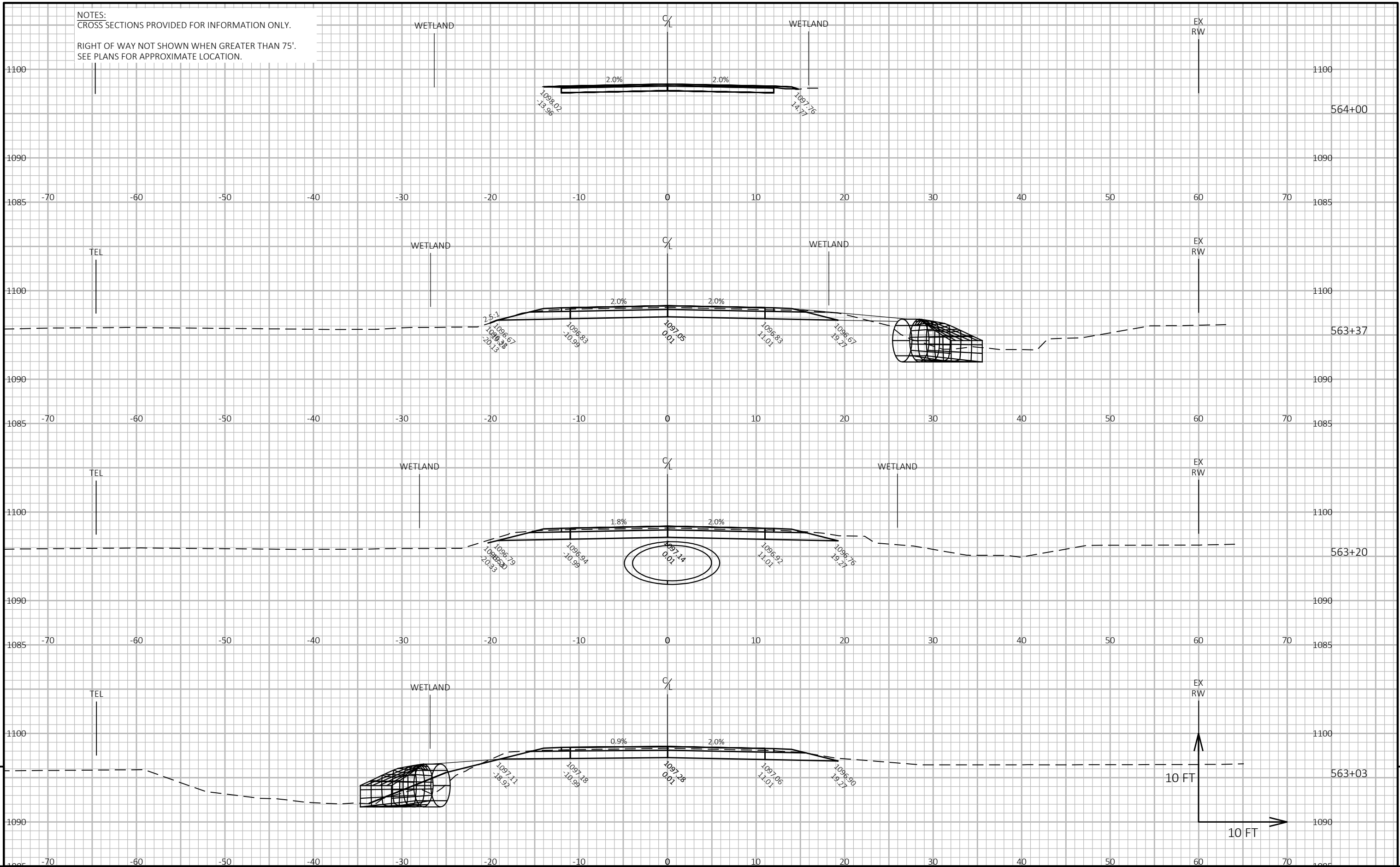
9

9

PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

FILE NAME : Y:\MILWAUKEE\202005\20294.00\ENG_DOCS\9303-03-72\93030372\SHEETPLAN\090226-XS.DWG PLOT DATE : 9/15/2022 7:22 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



PROJECT NO: 9303-03-72

HWY: STH 122

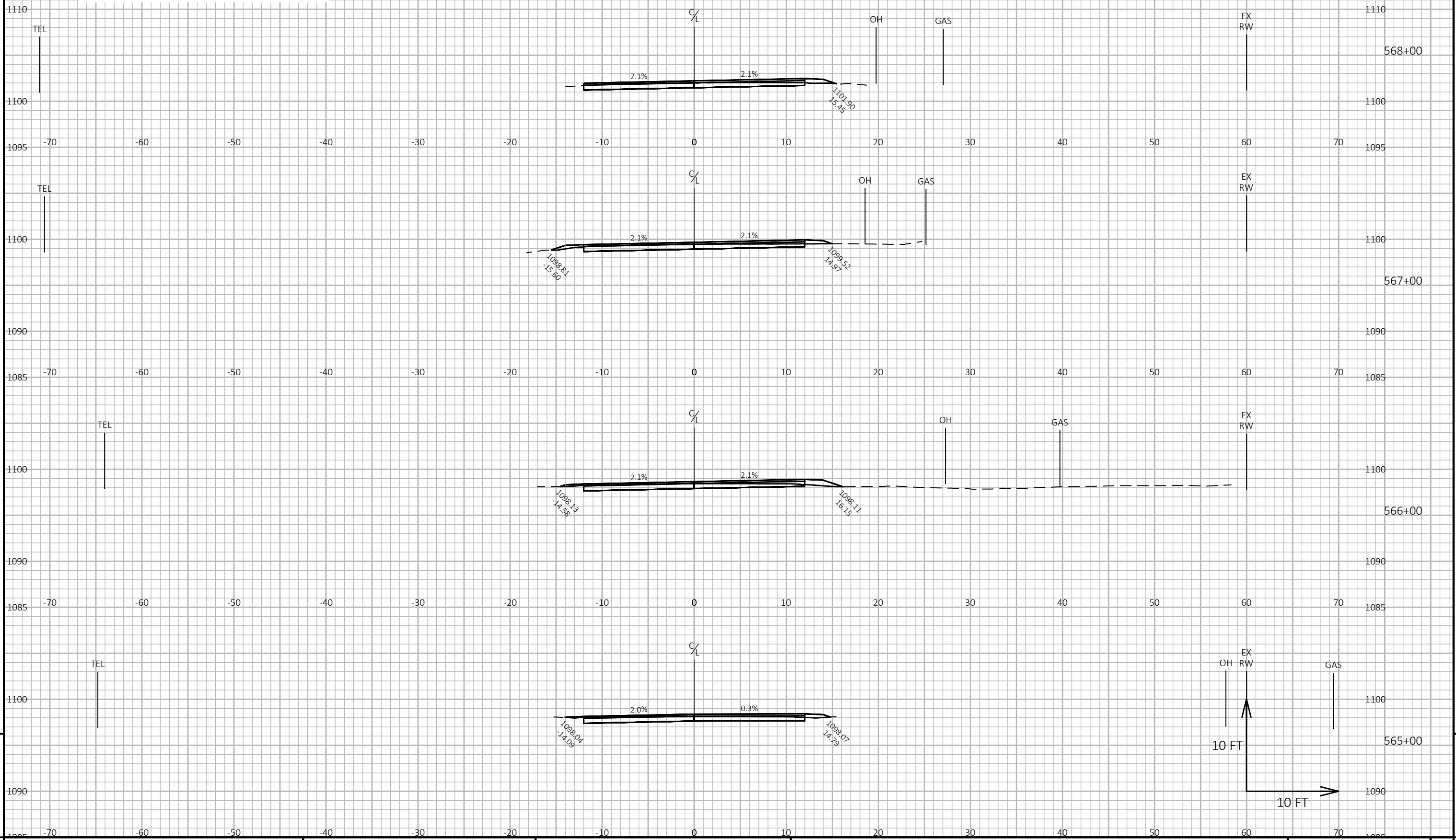
COUNTY: IRON

CROSS SECTIONS: PULVERIZE & RELAY

SHEET

E

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



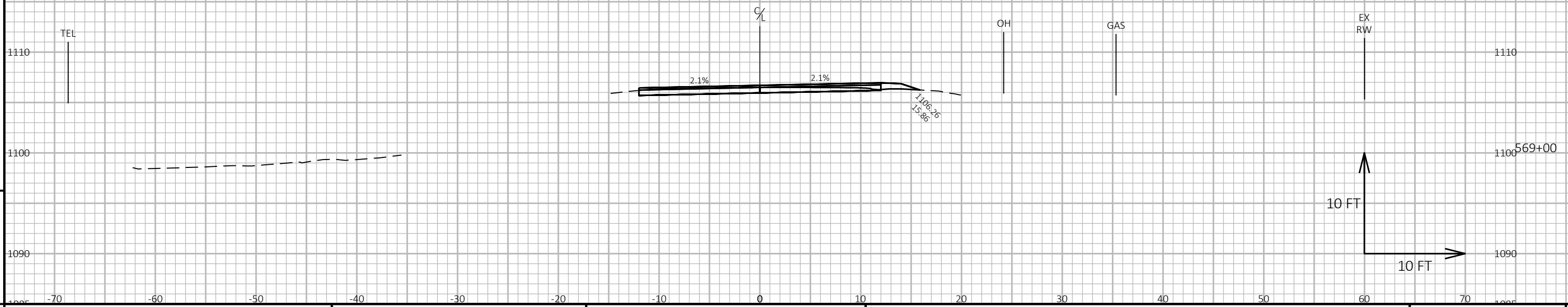
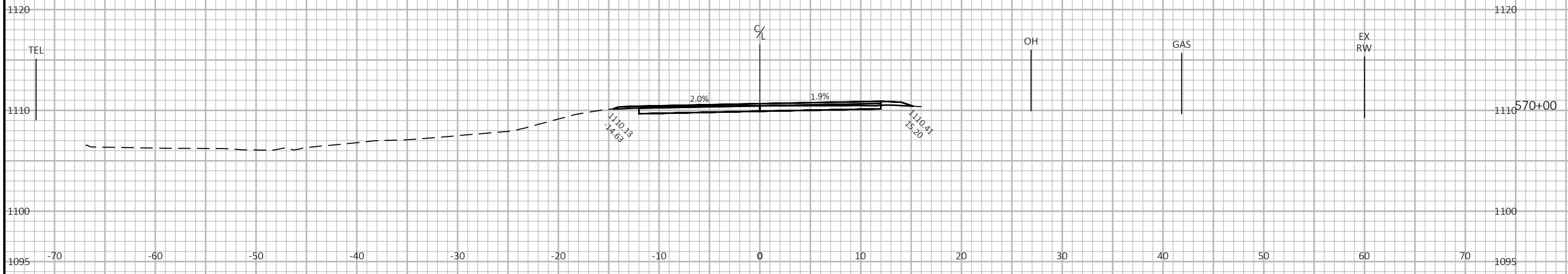
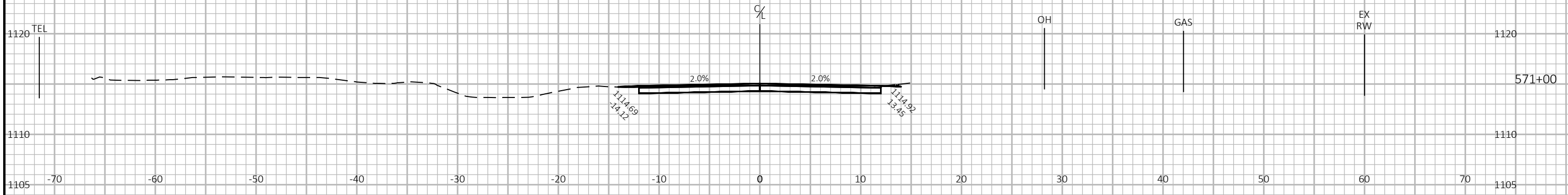
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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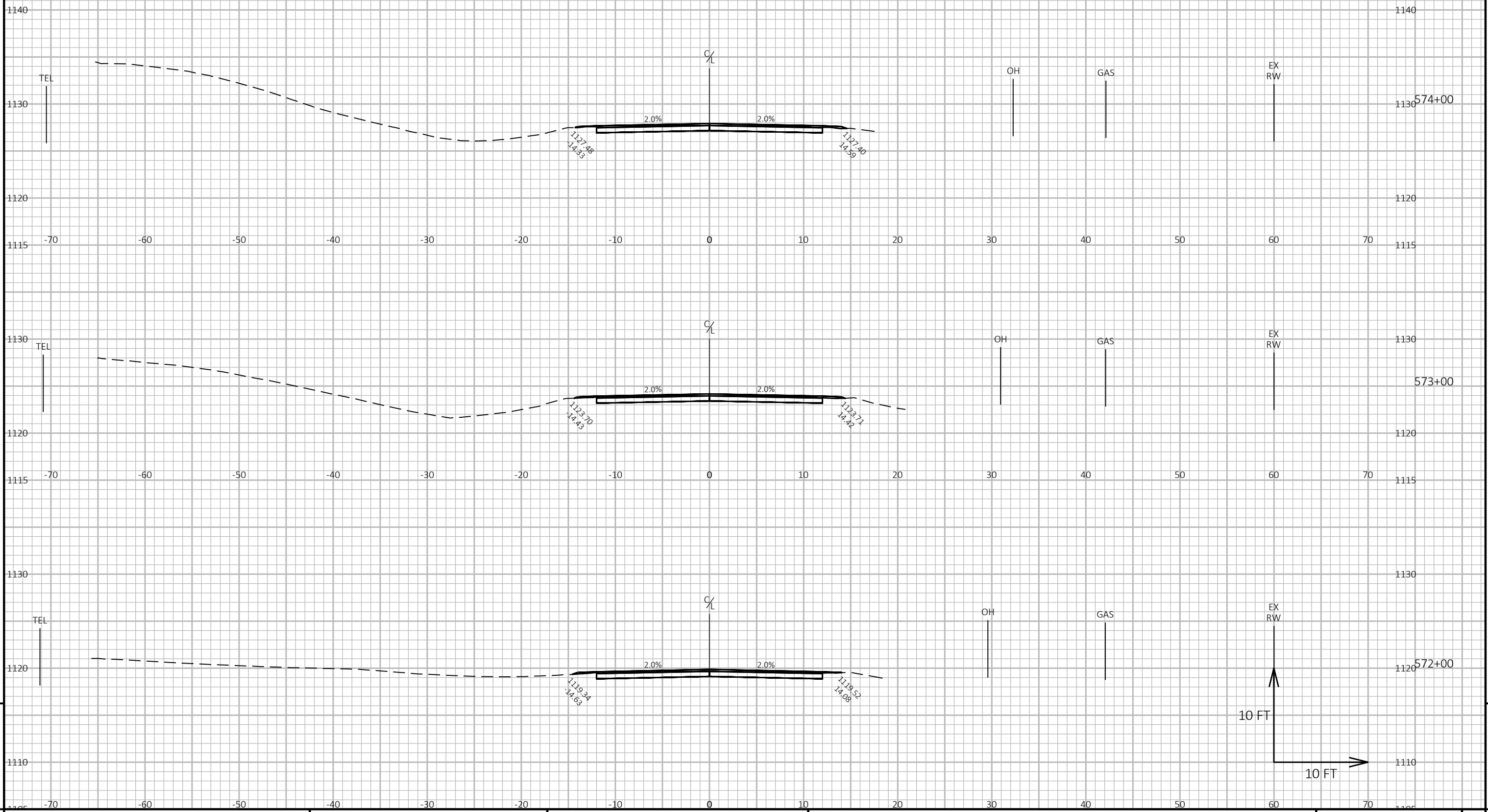
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 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET 9

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NOTES:
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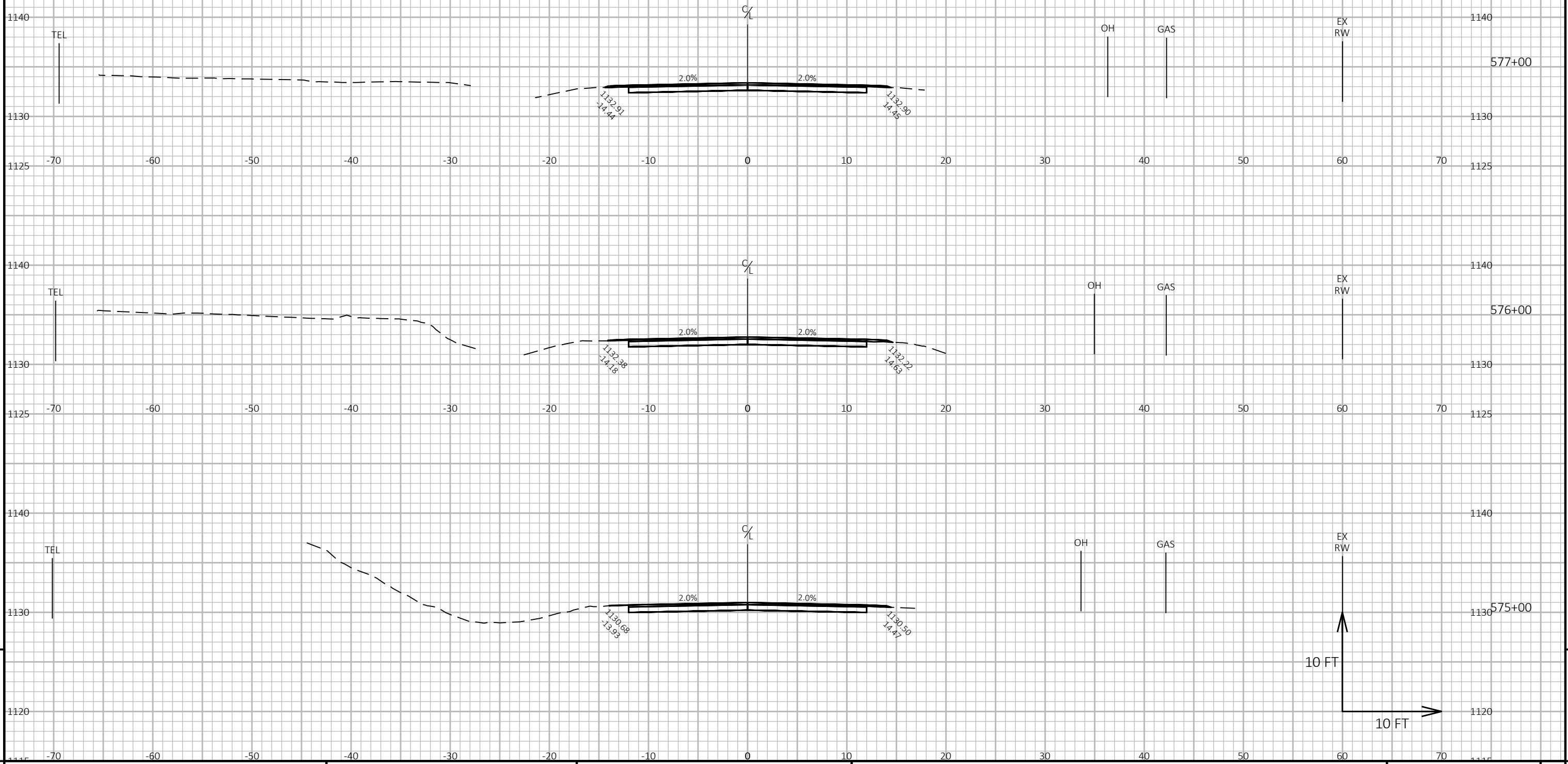
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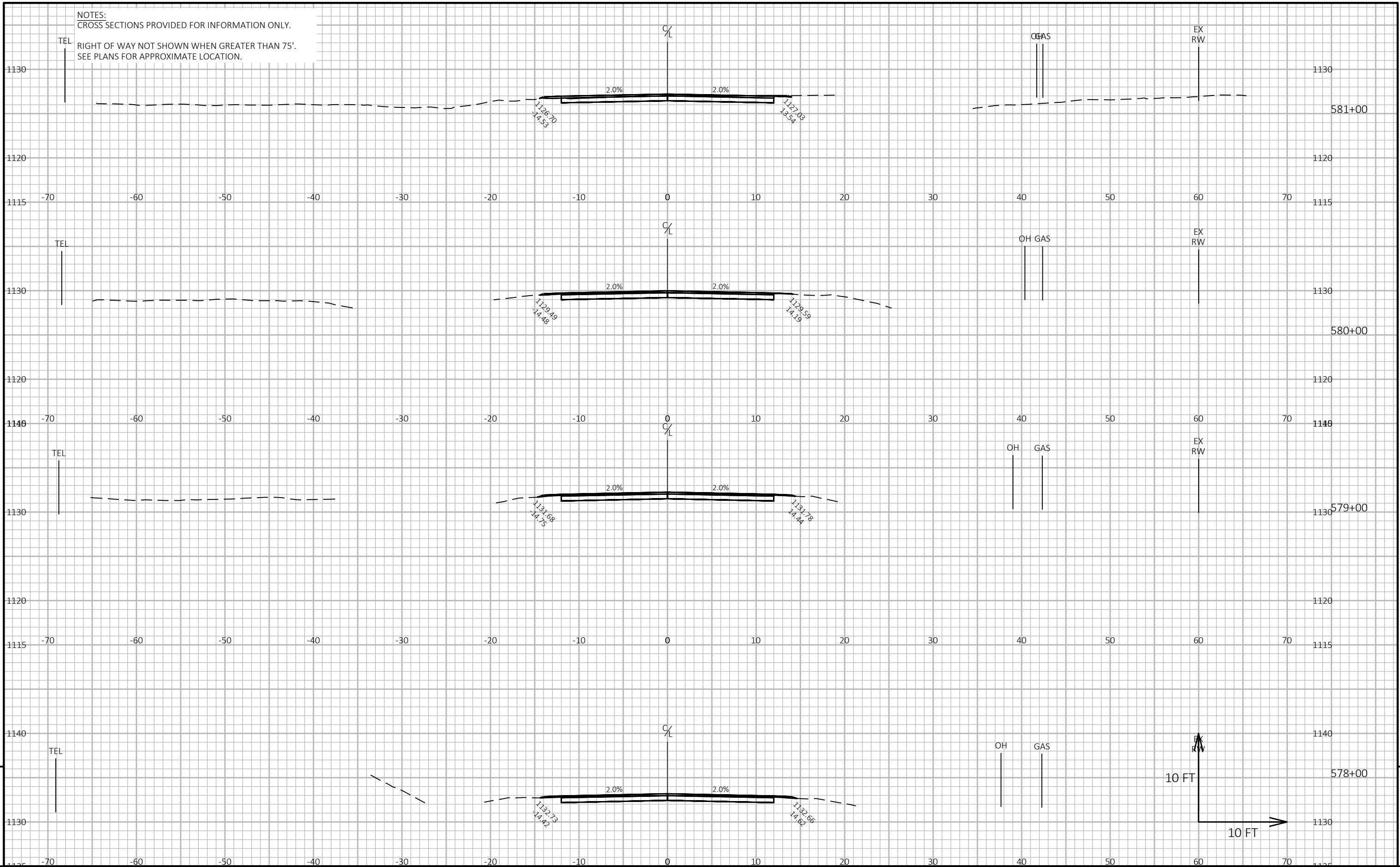
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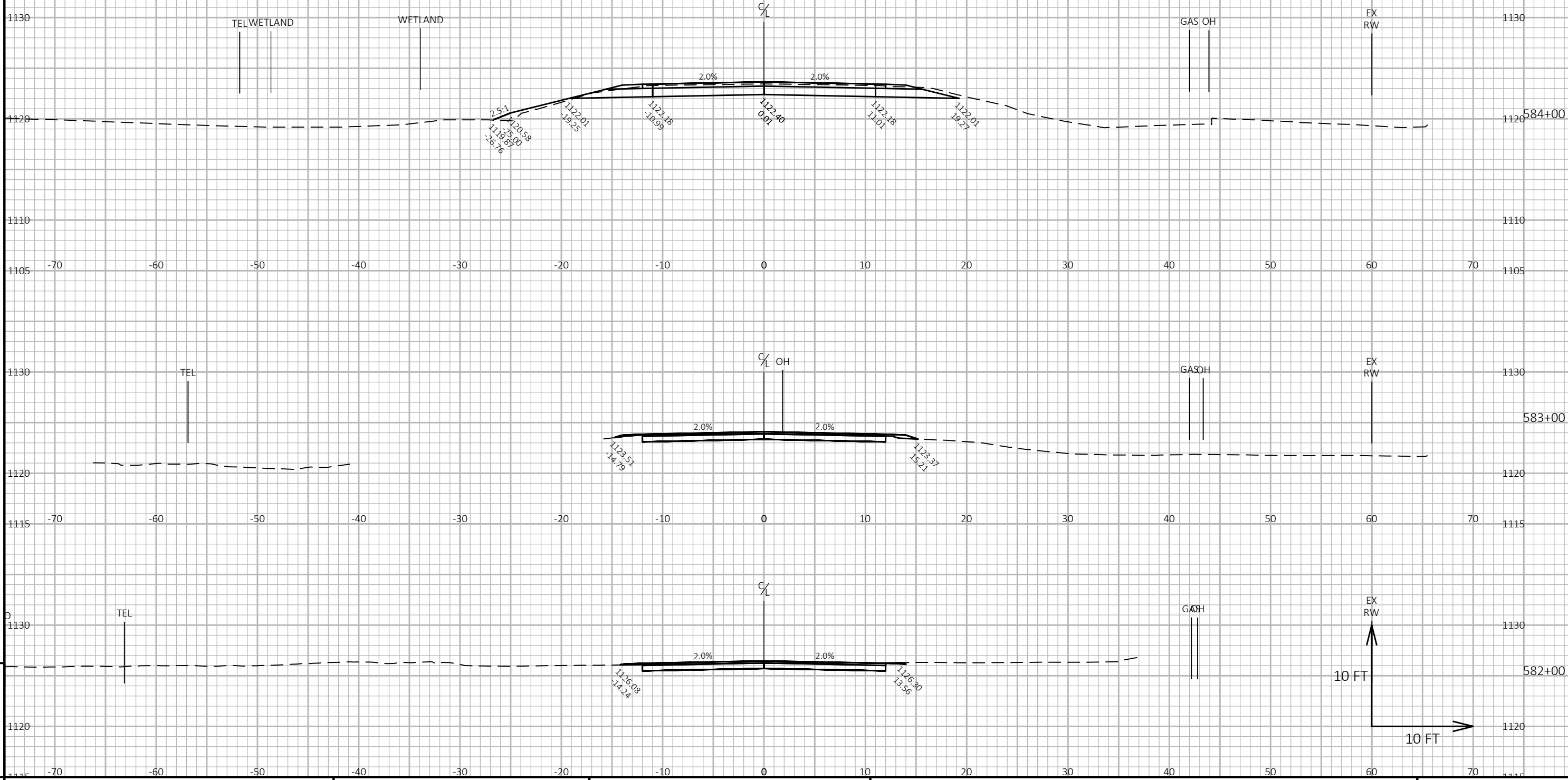
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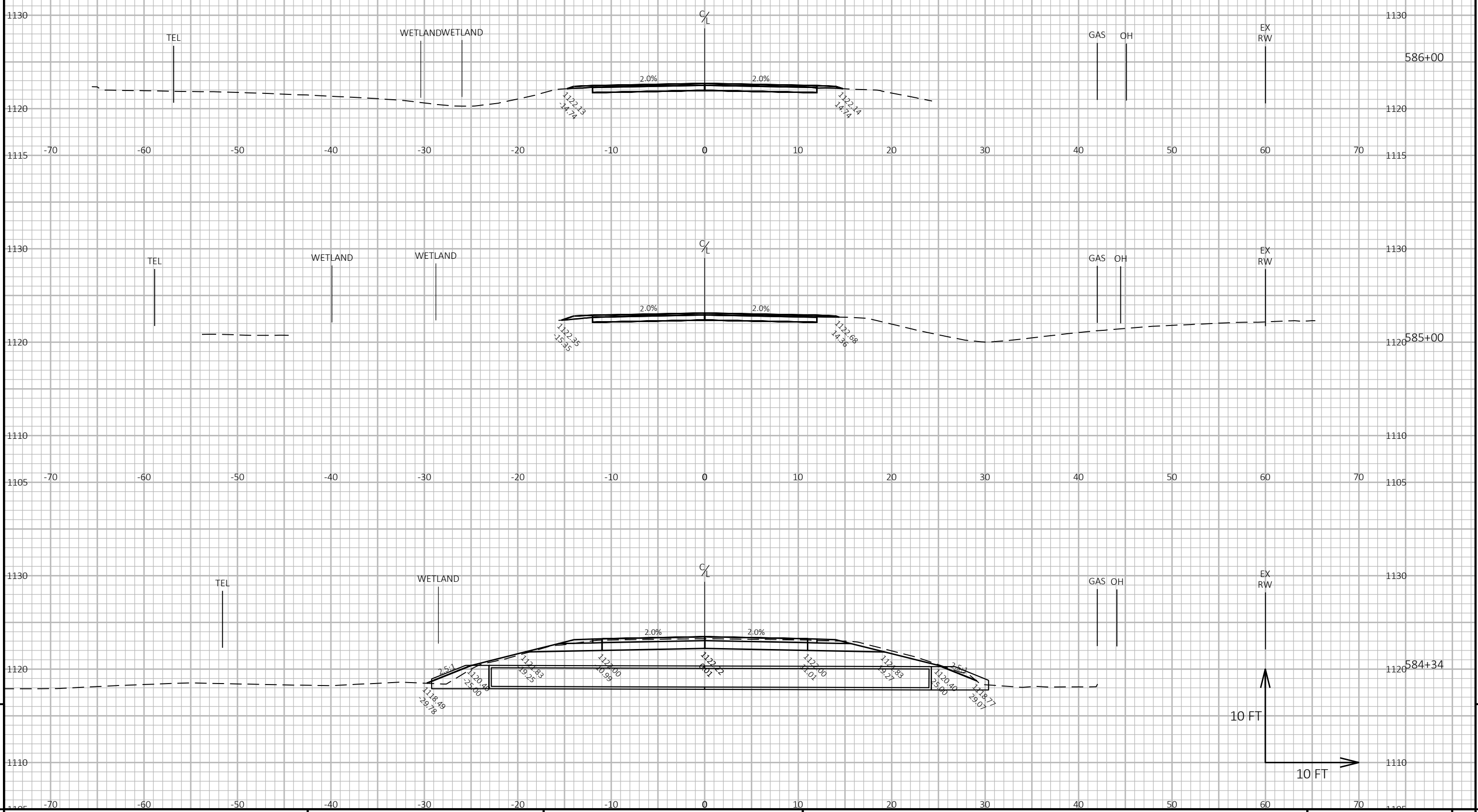
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NOTES:
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9	PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	9
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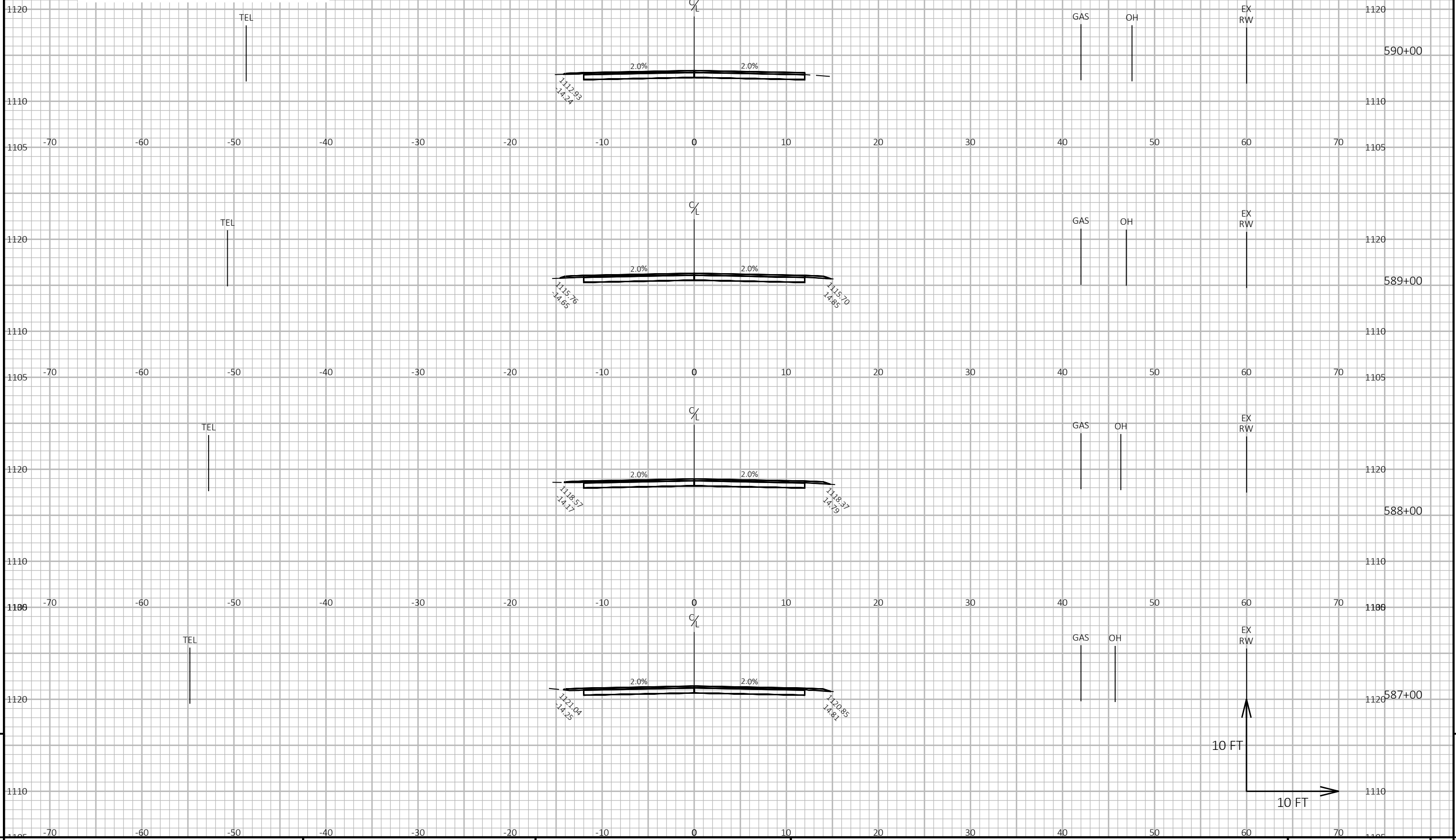
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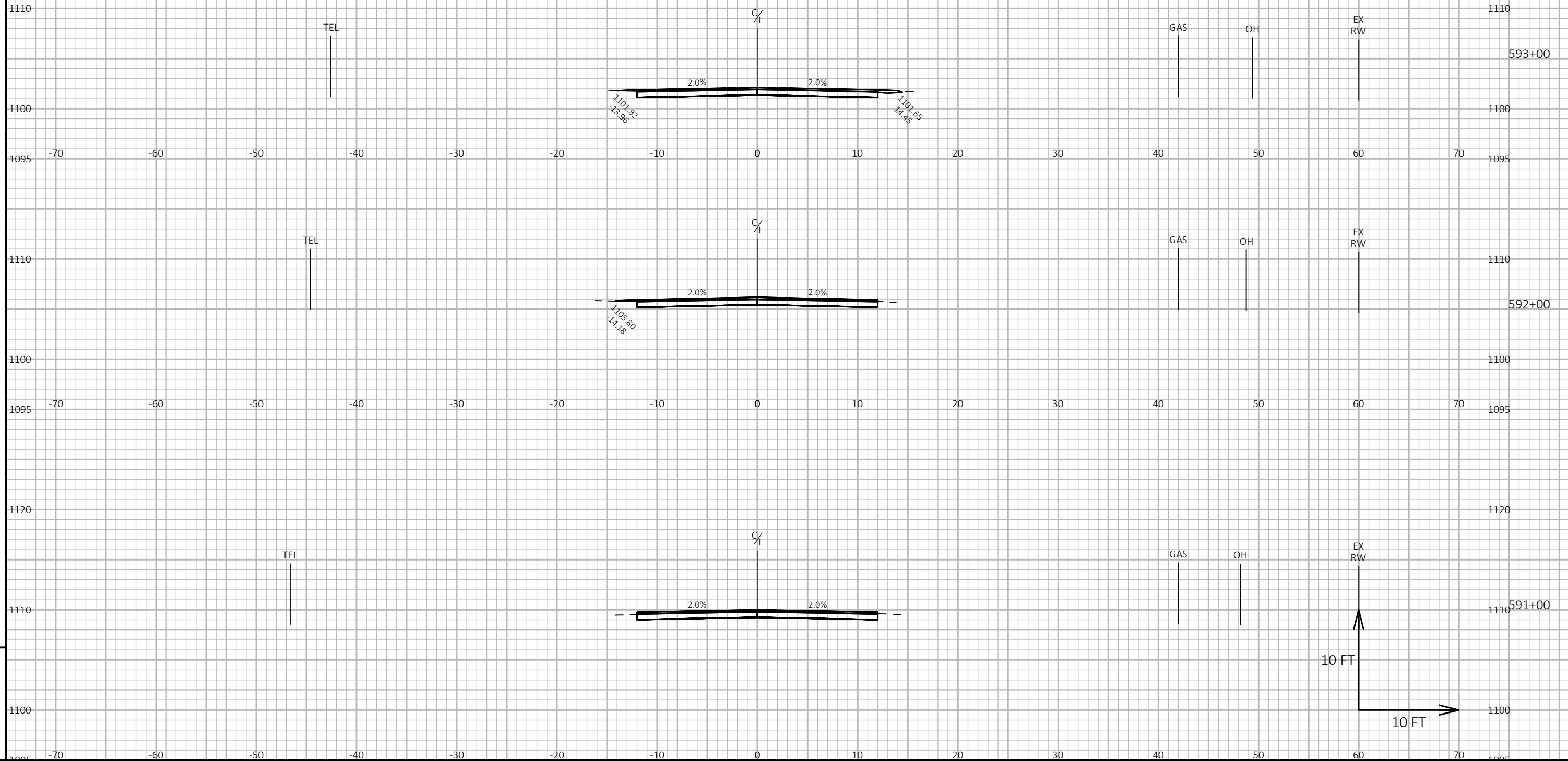
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LAYOUT NAME - 10

NOTES:
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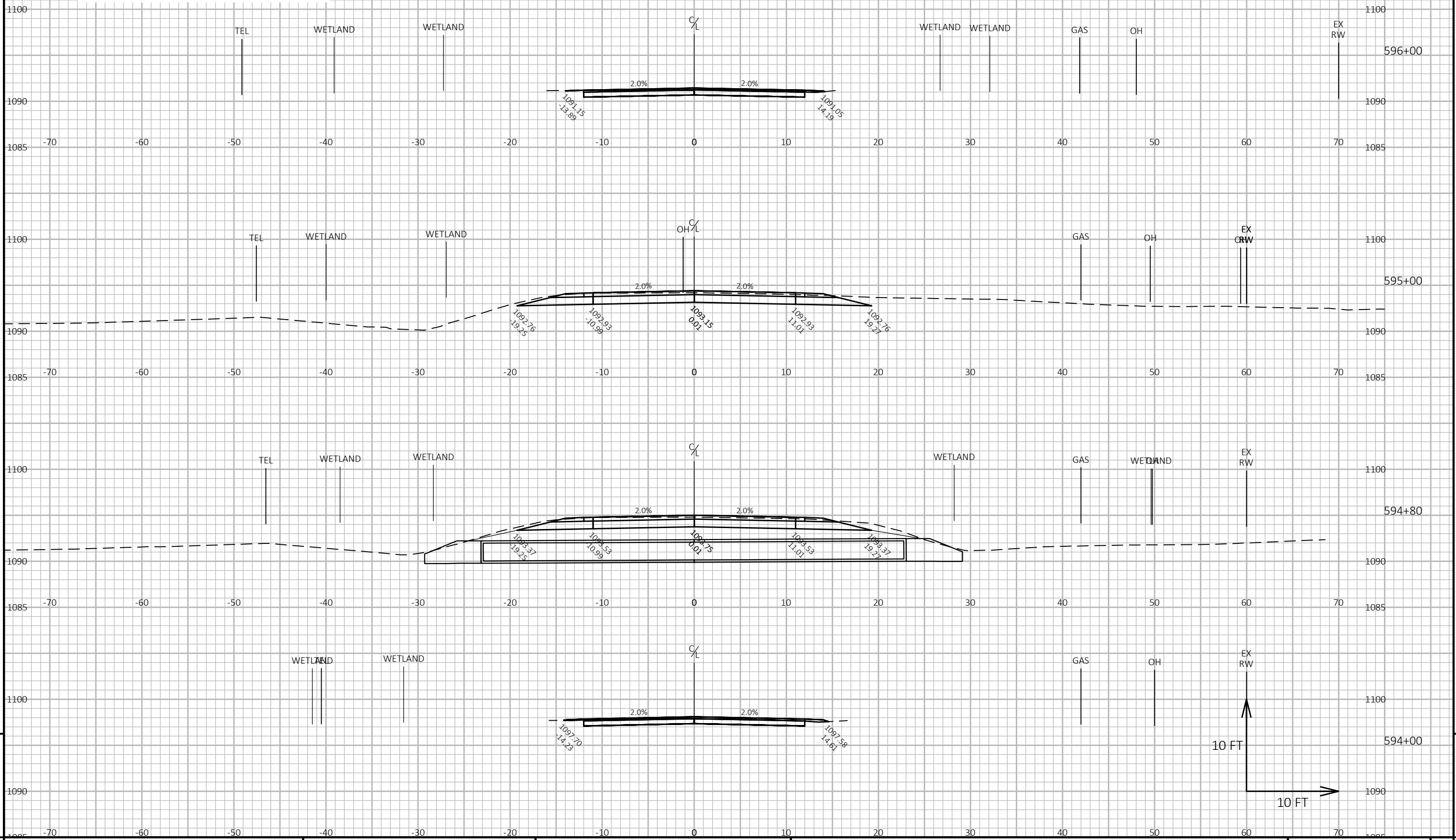
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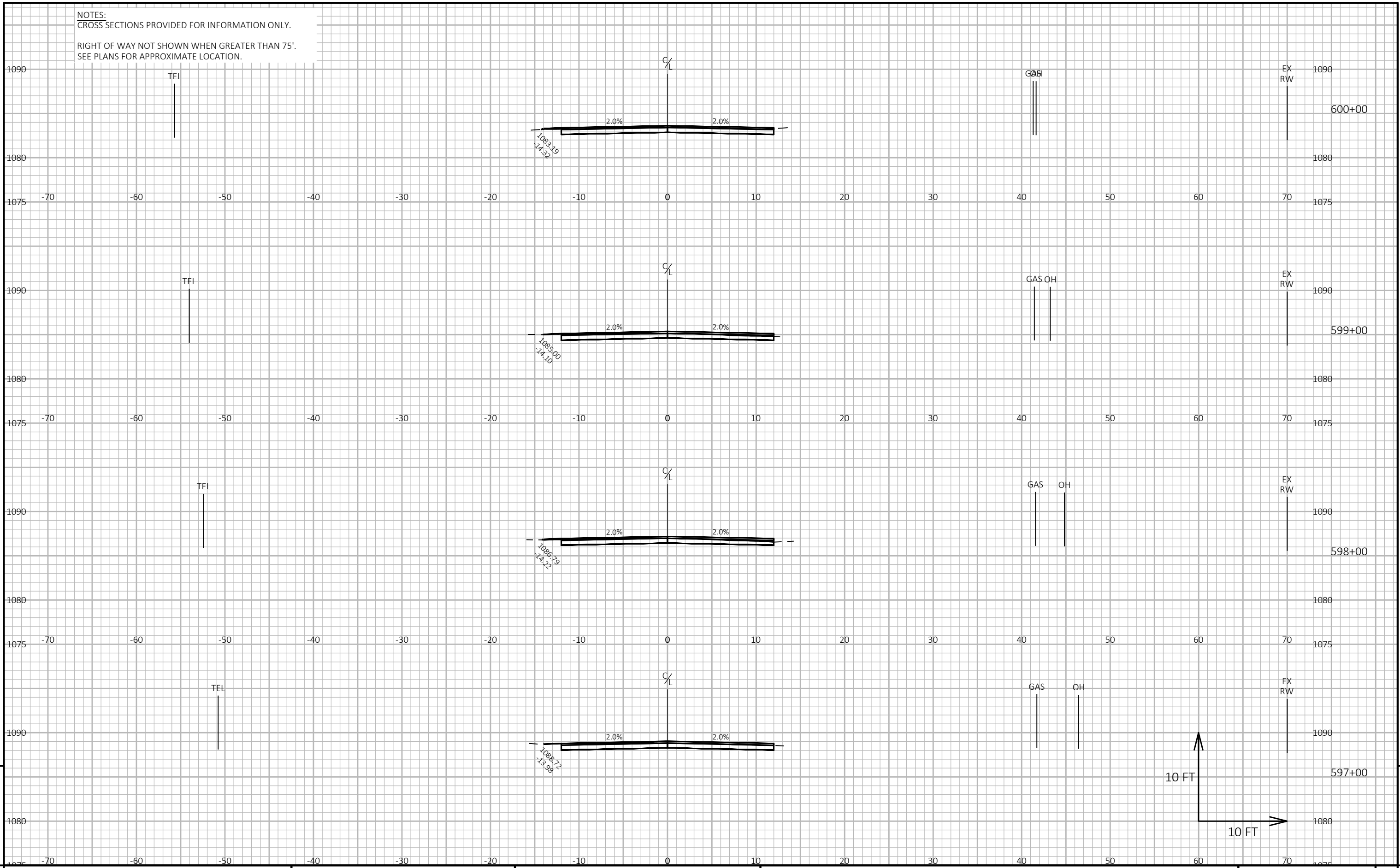
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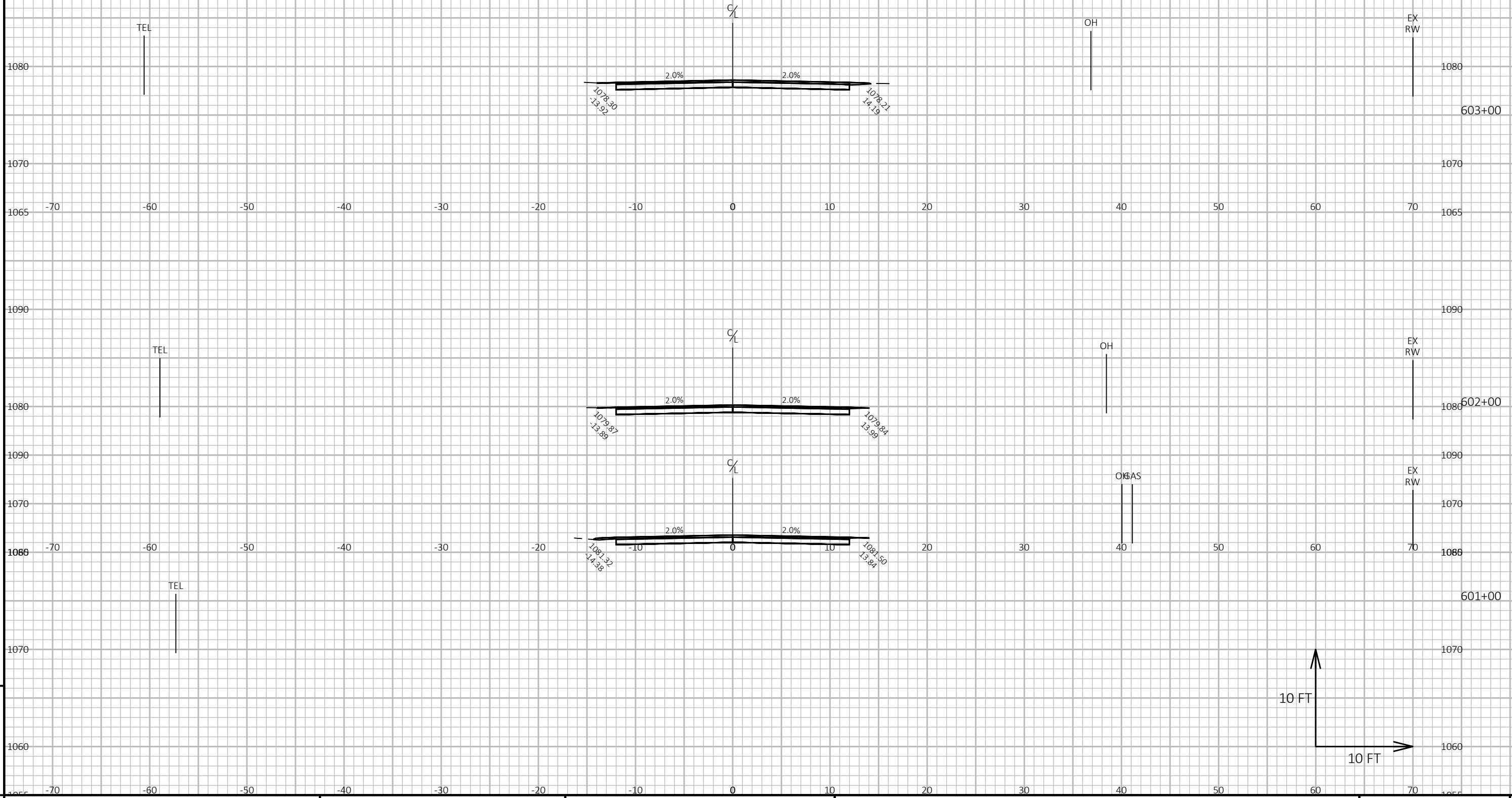
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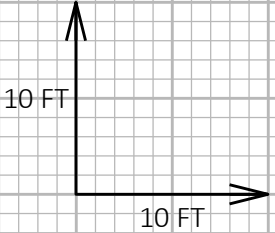
LAYOUT NAME - 13

NOTES:
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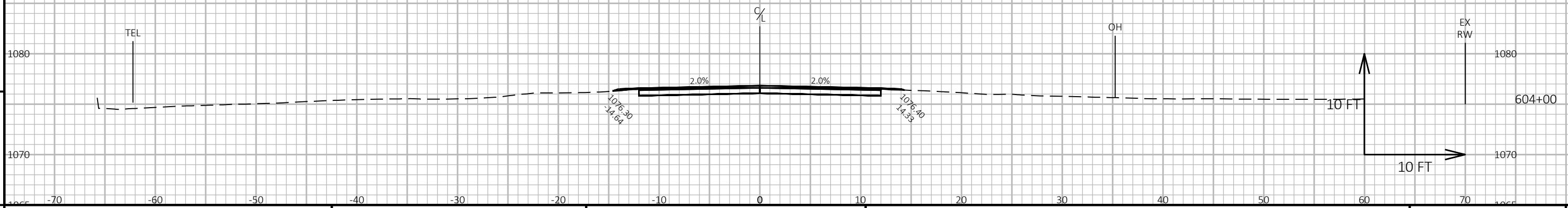
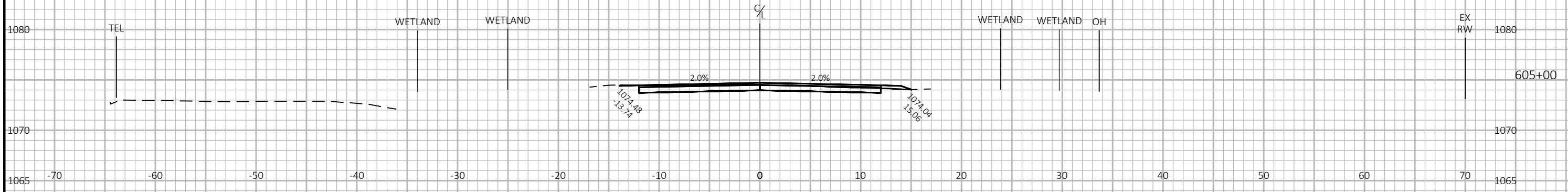
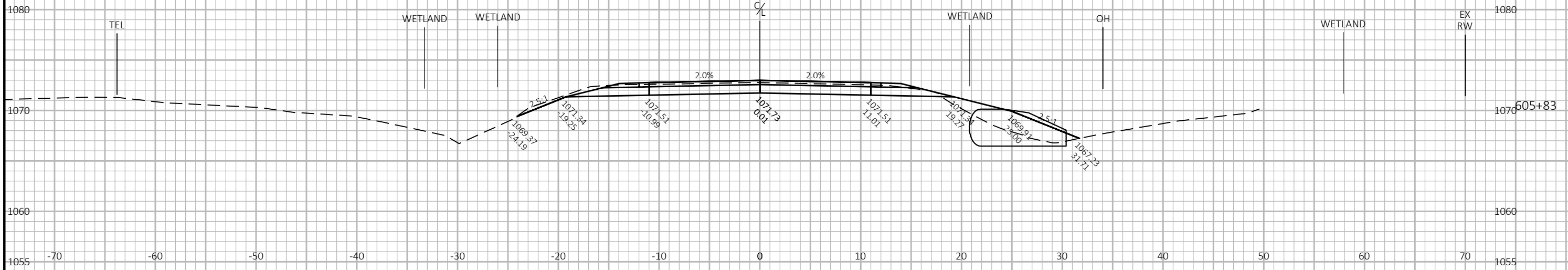
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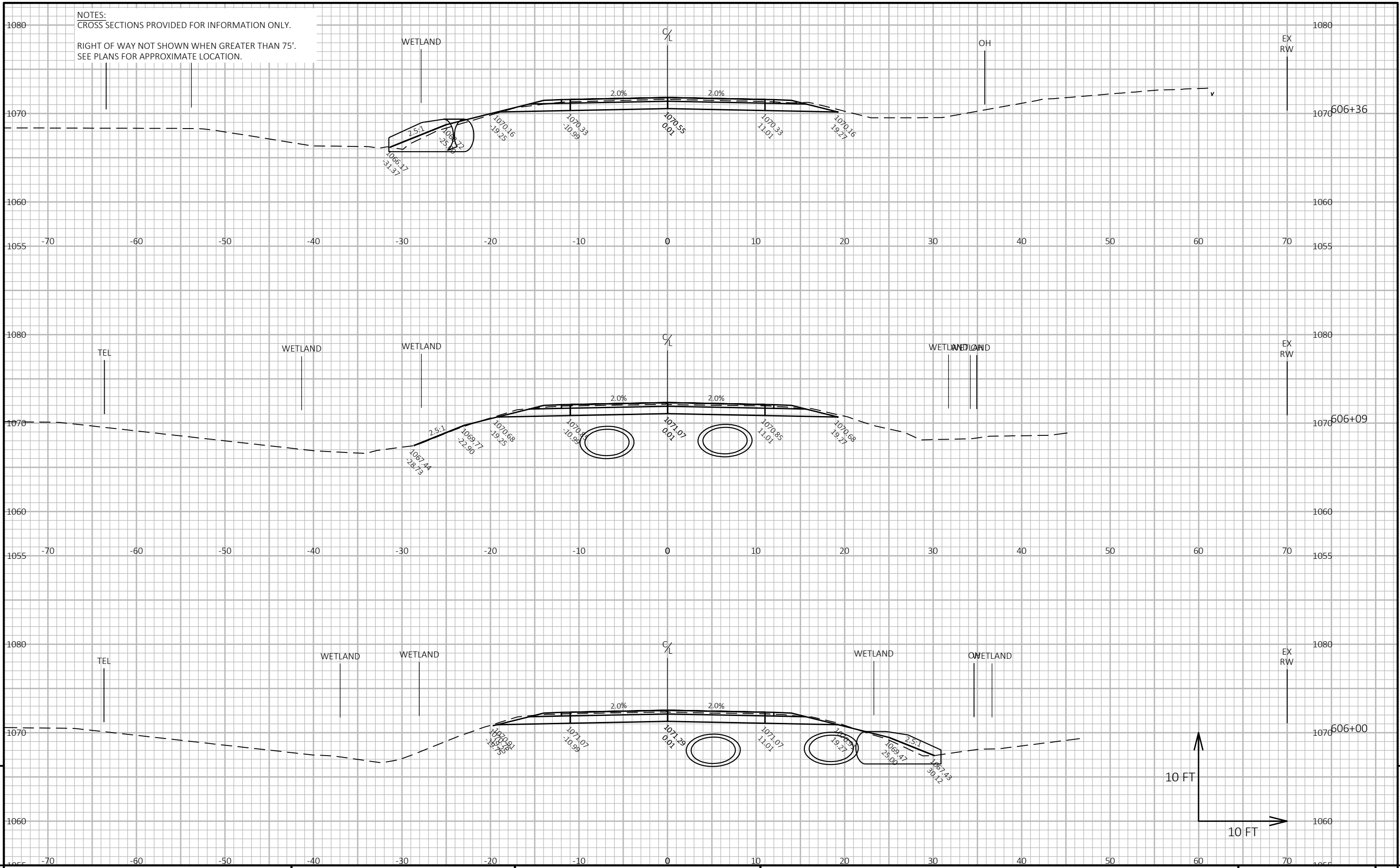


PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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NOTES:
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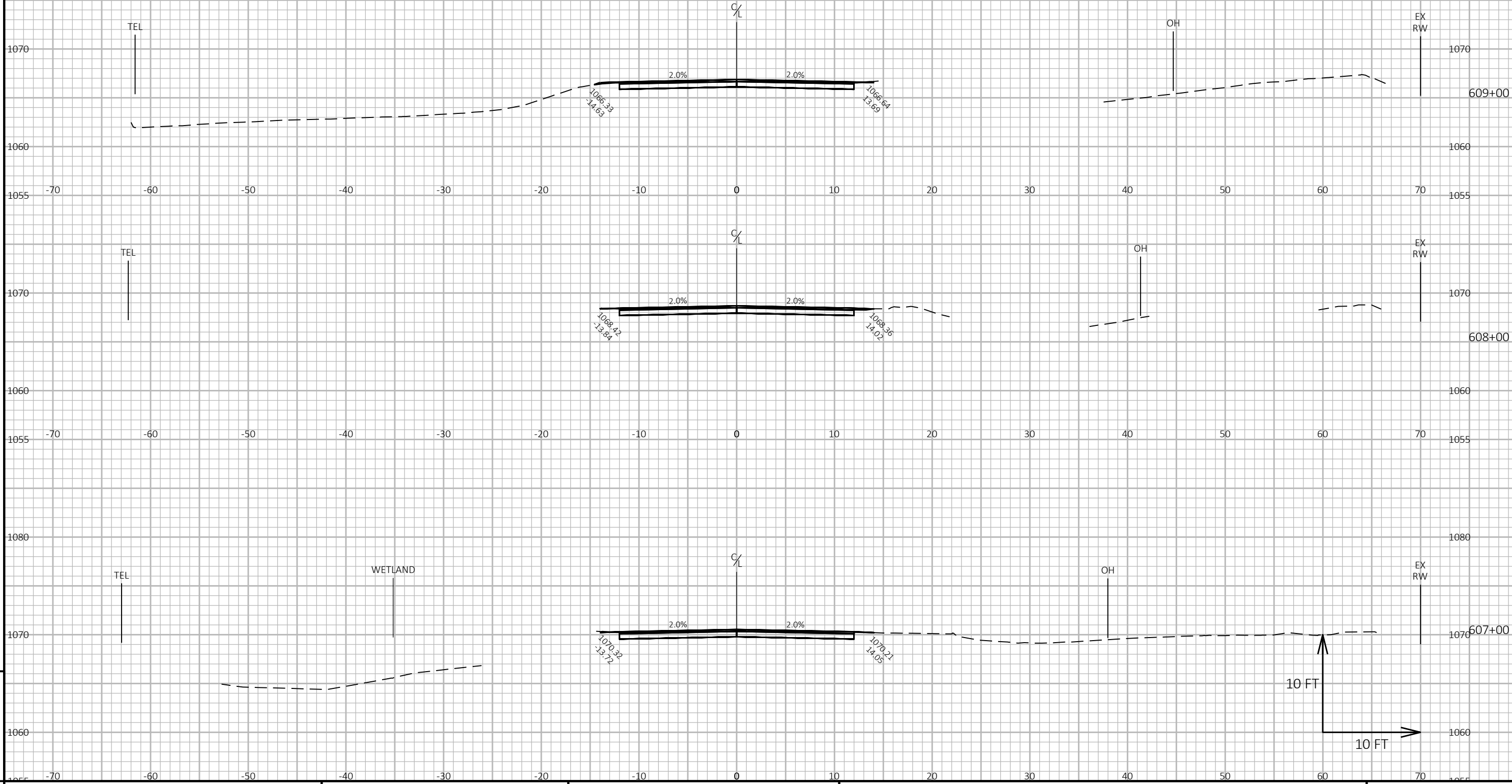




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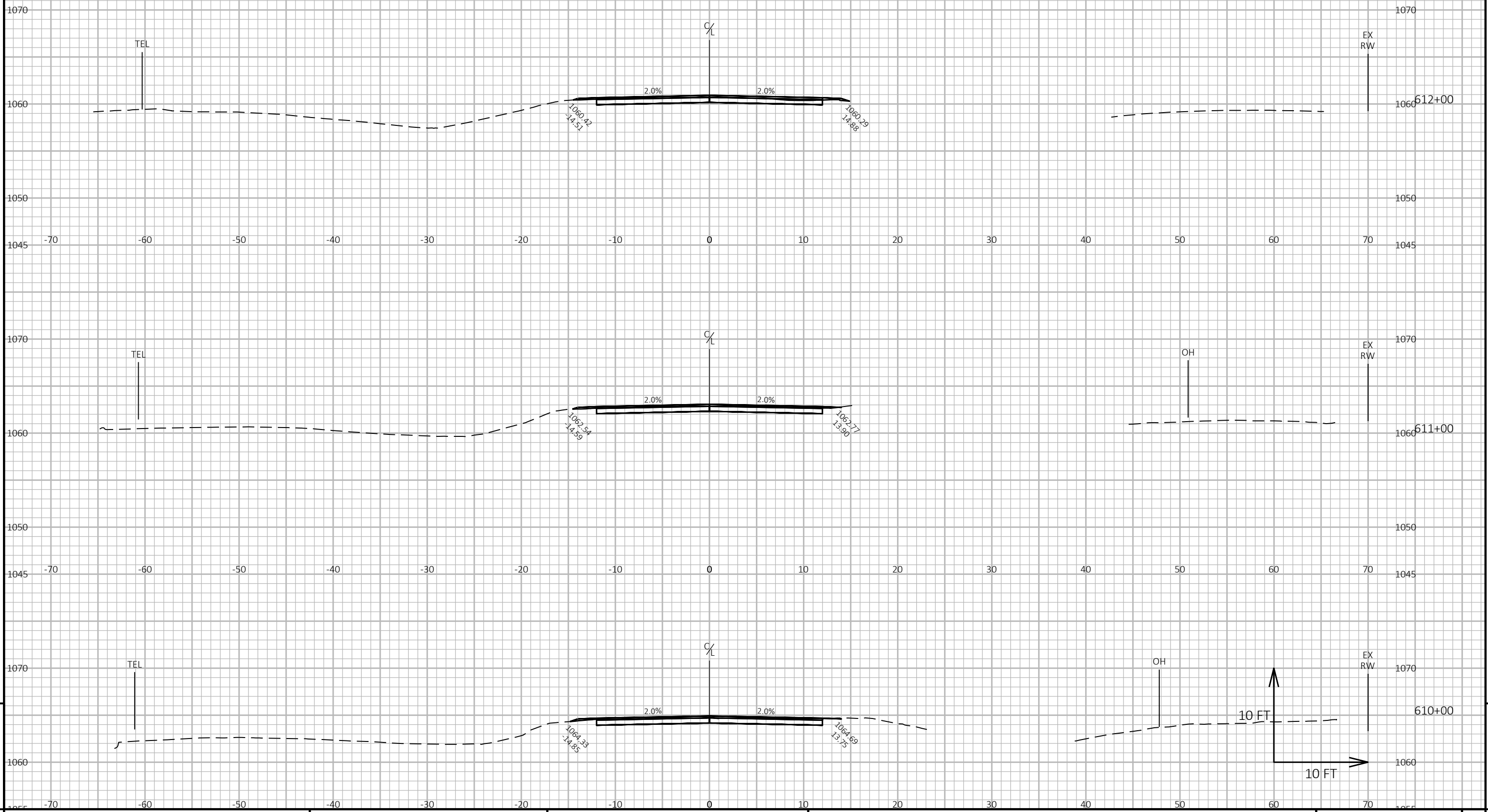
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LAYOUT NAME - 17

NOTES:
CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.

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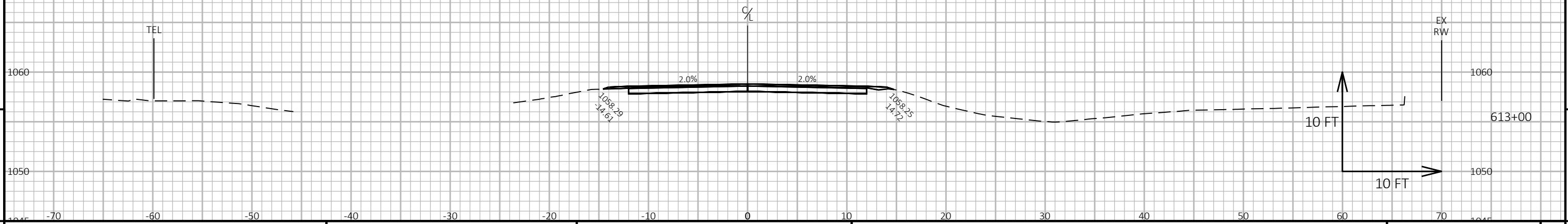
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LAYOUT NAME - 18

NOTES:
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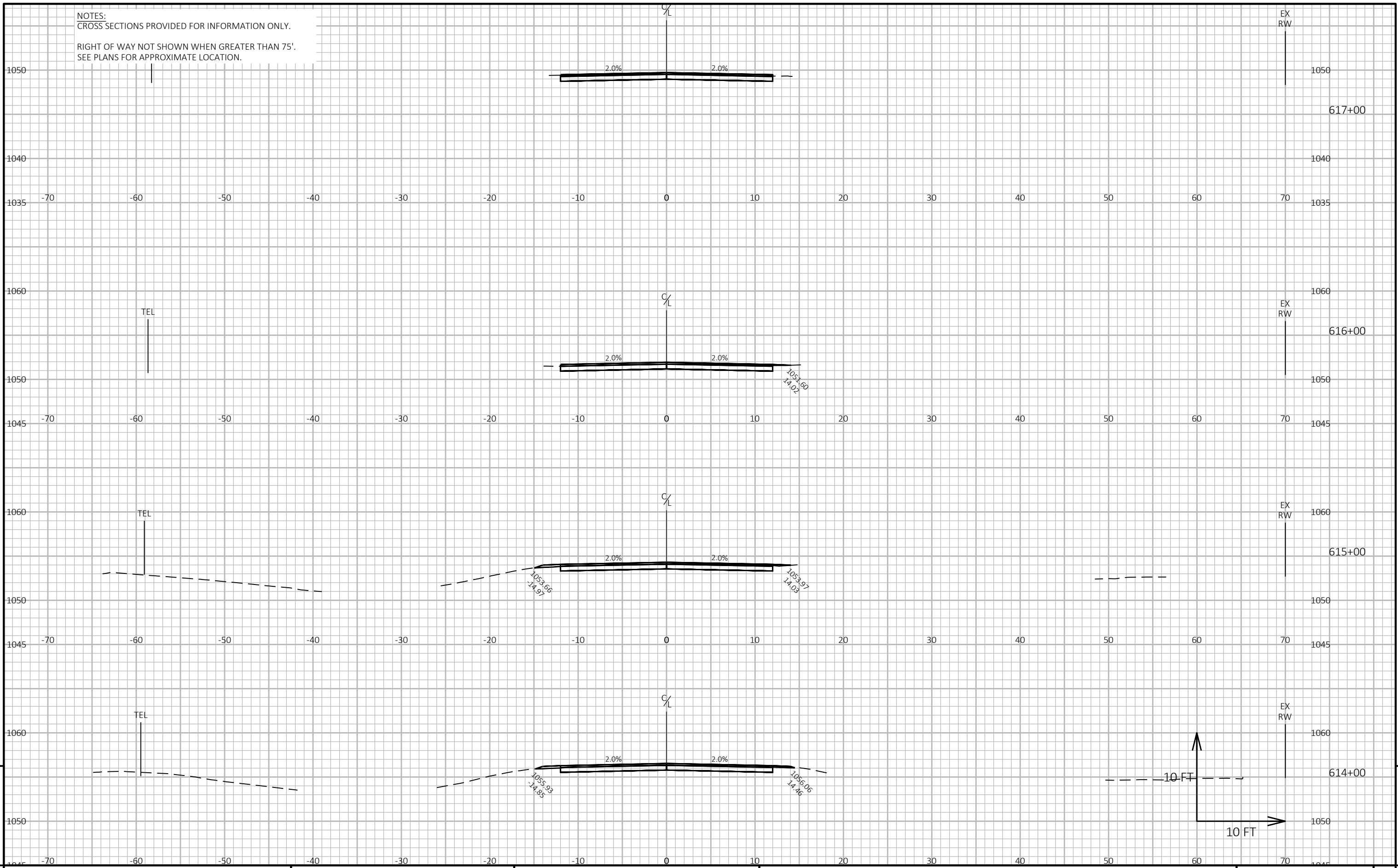
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET E
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LAYOUT NAME - 19

NOTES:
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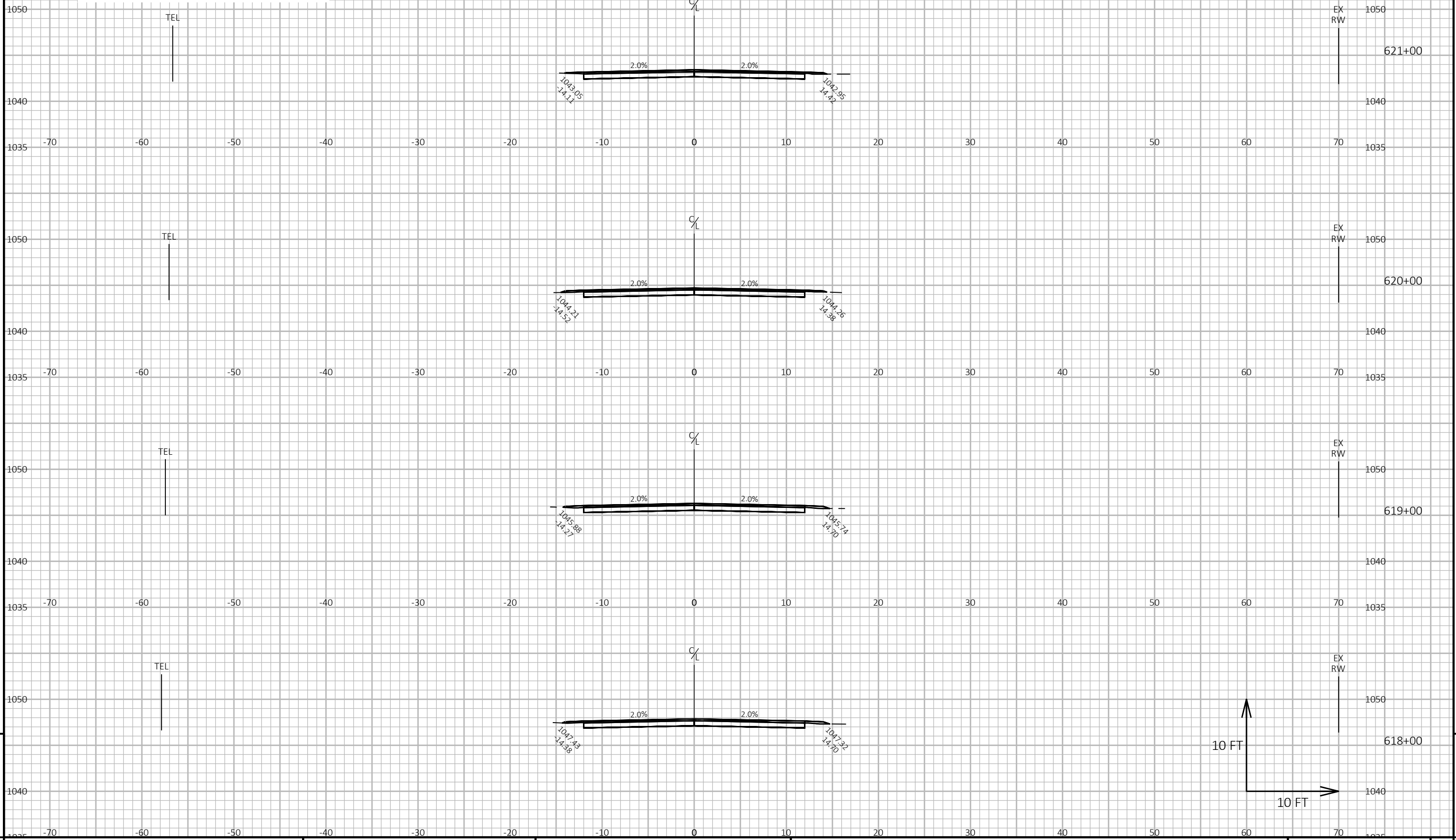
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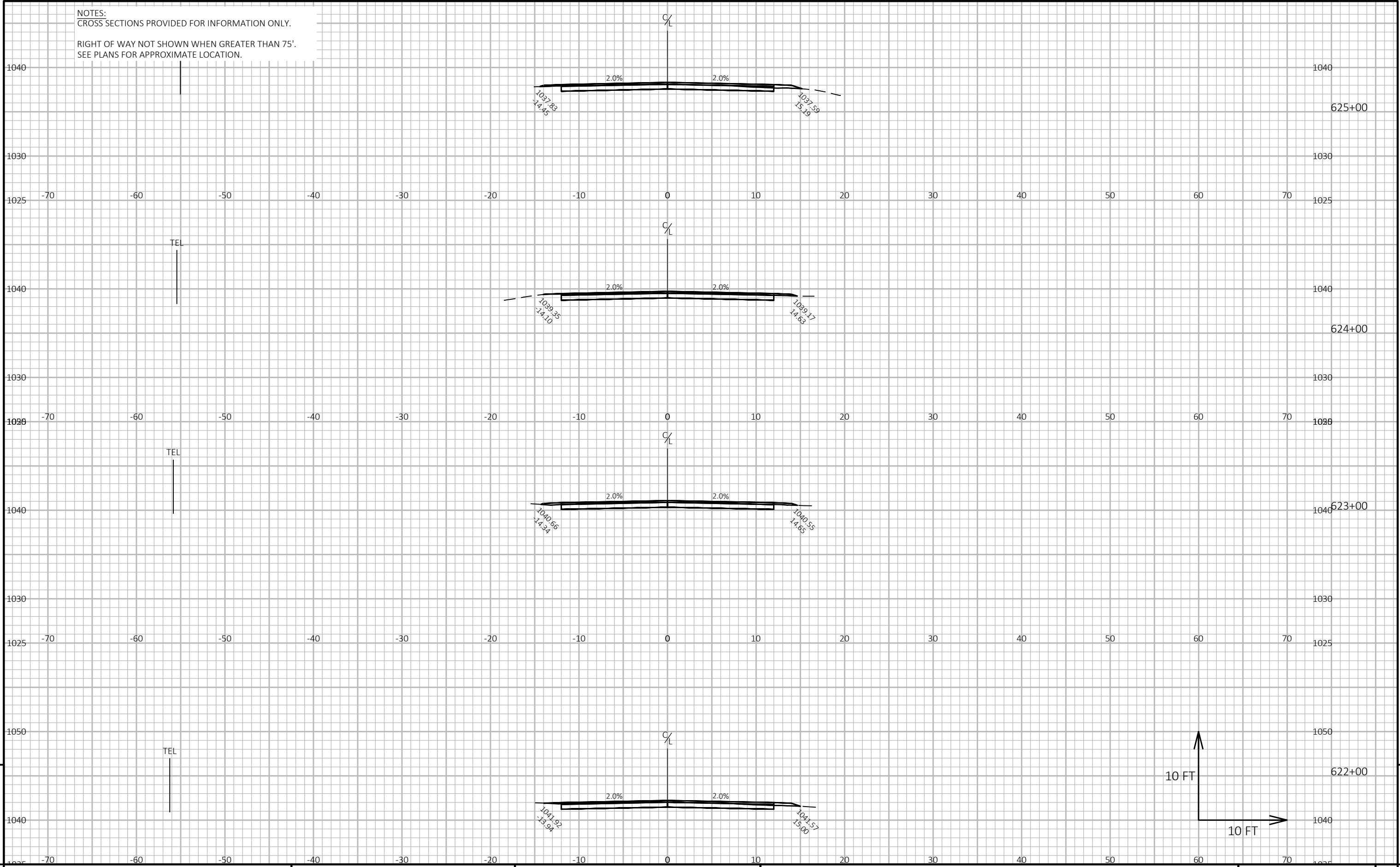
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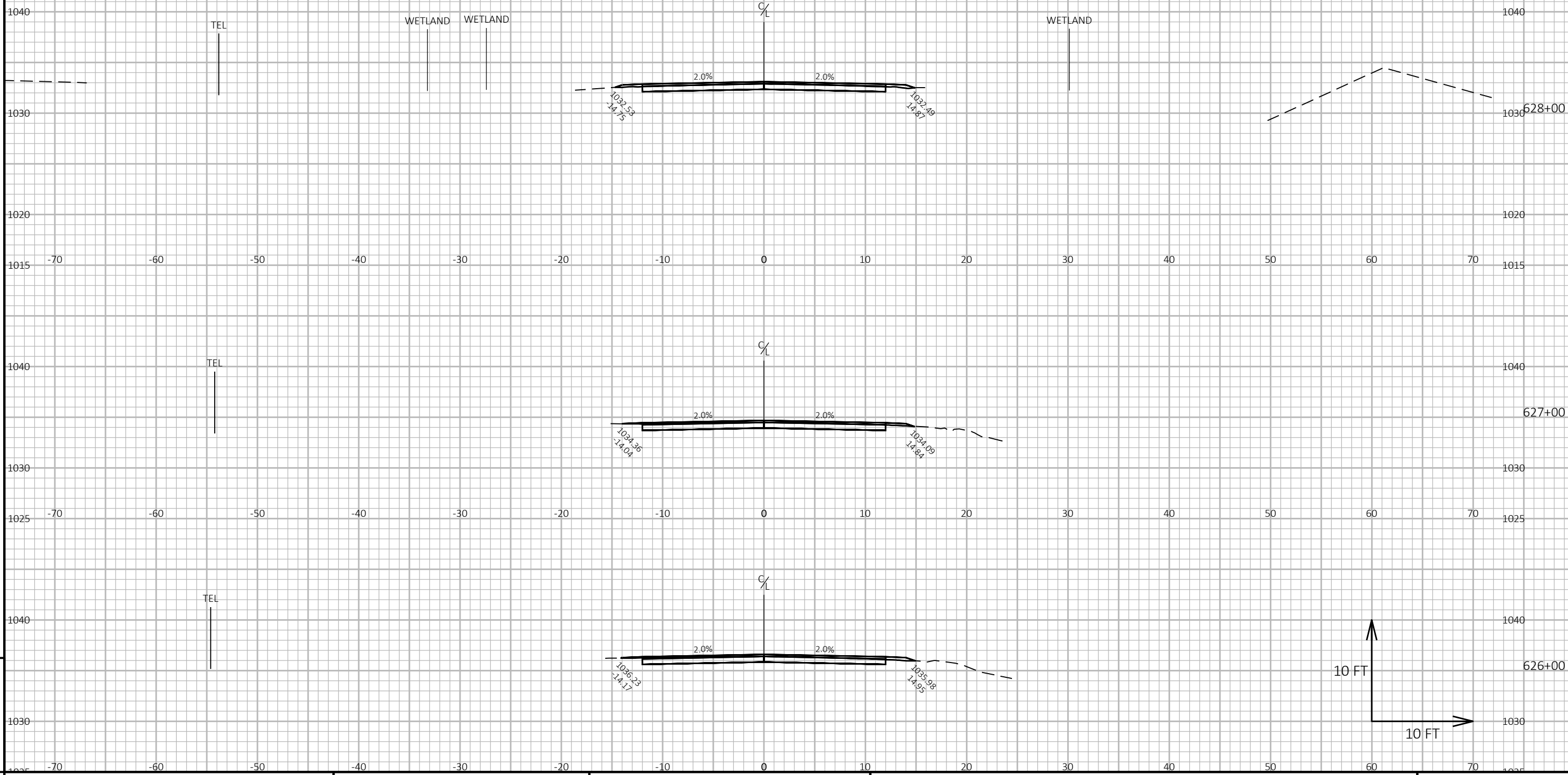
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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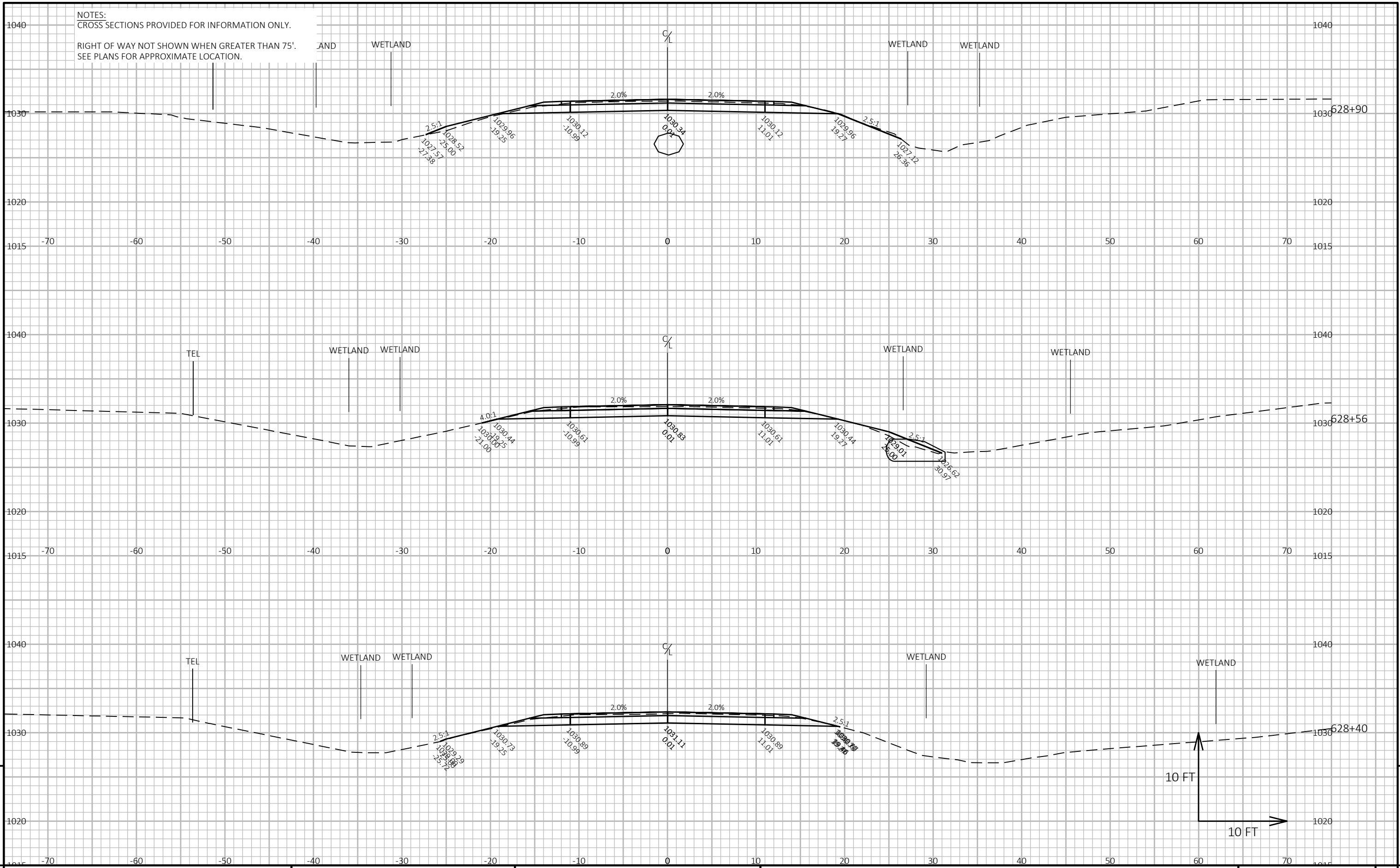
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PROJECT NO: 9303-03-72

HWY: STH 122

COUNTY: IRON

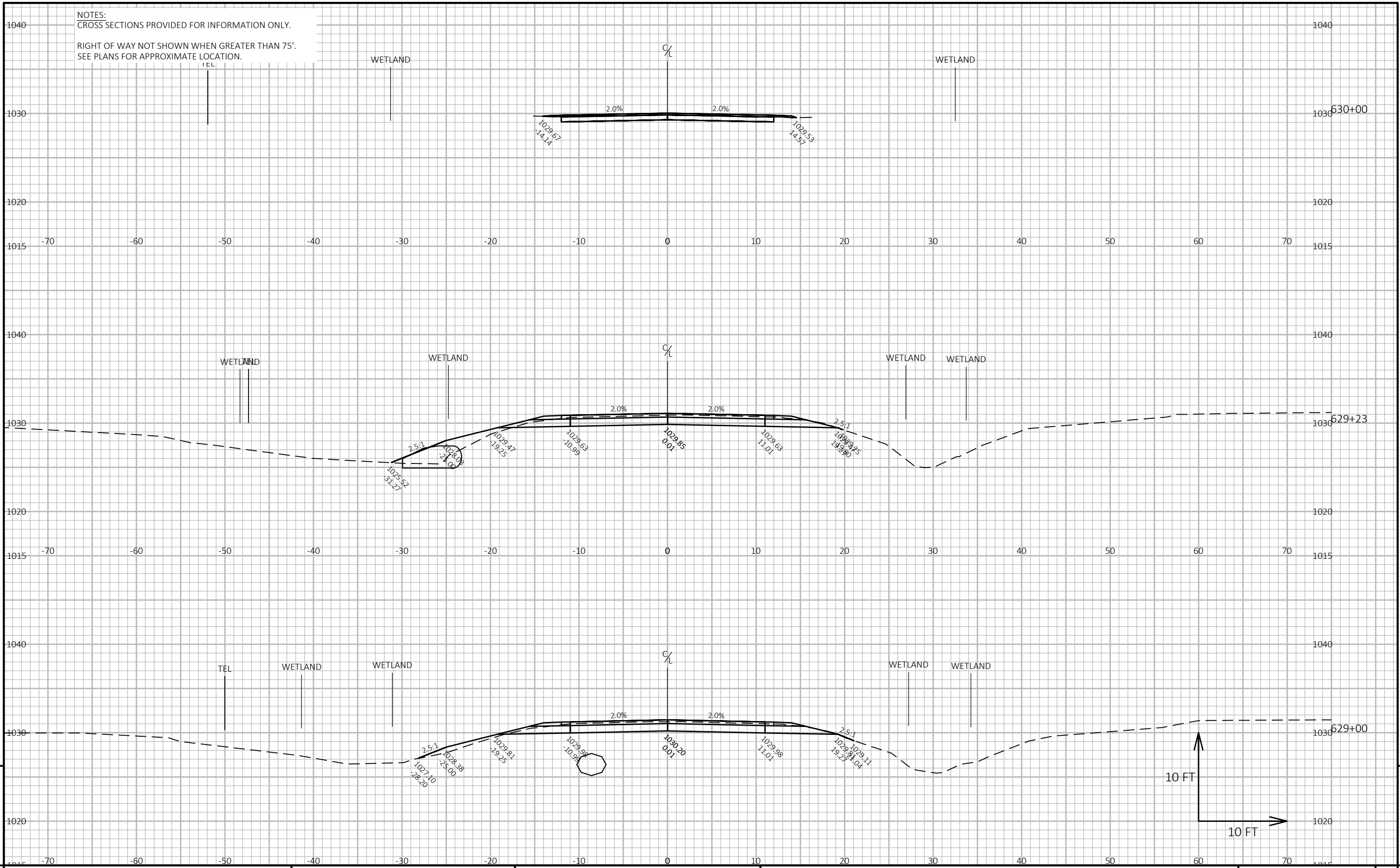
CROSS SECTIONS: PULVERIZE & RELAY

SHEET

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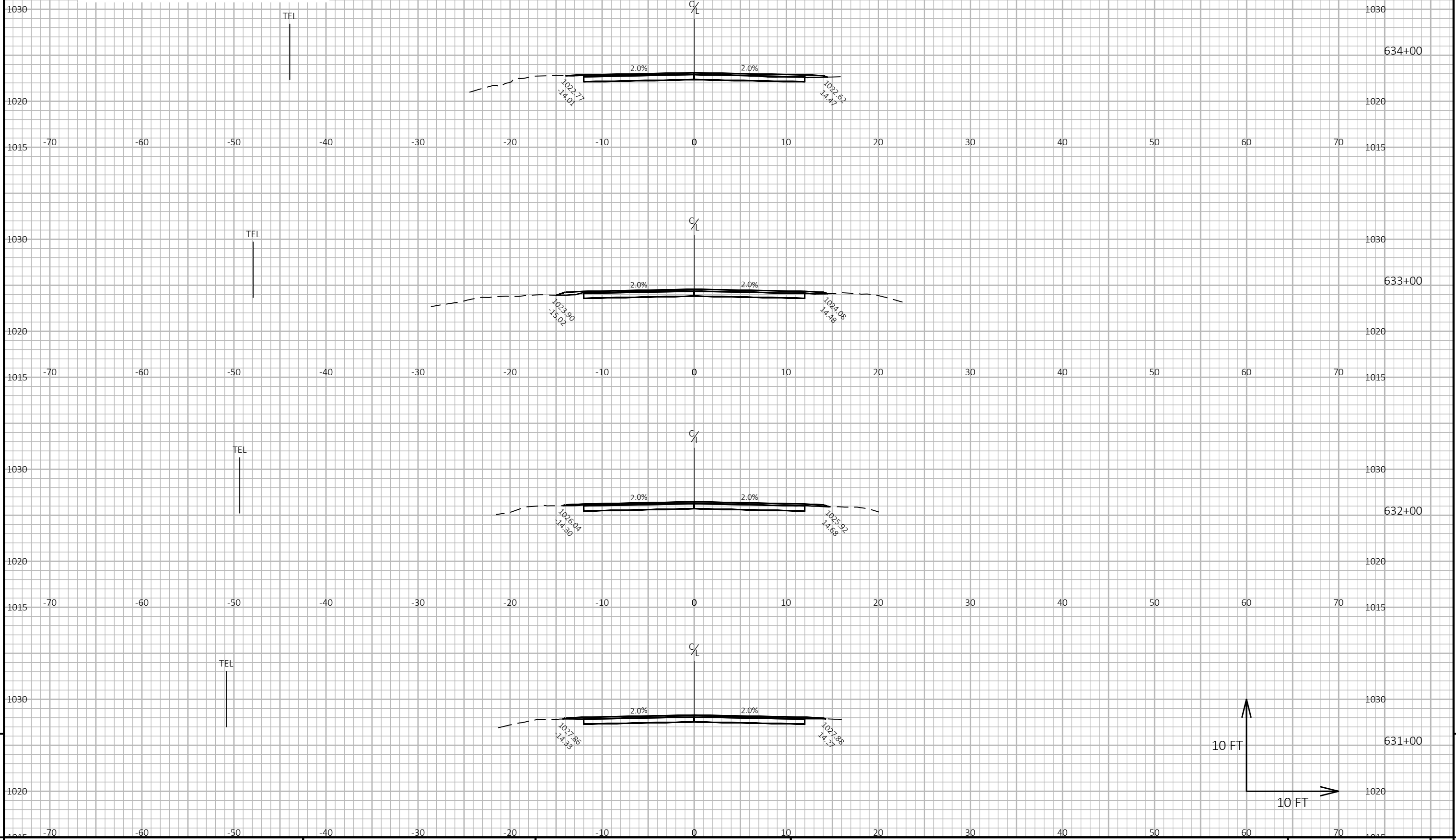
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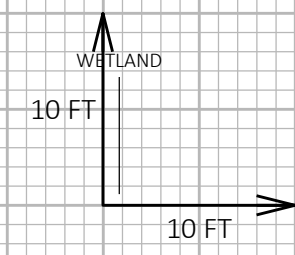
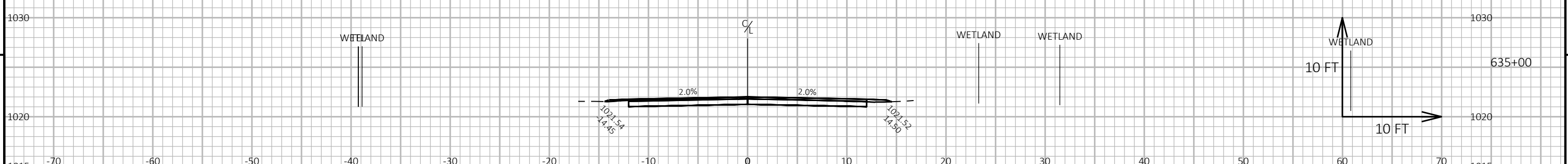
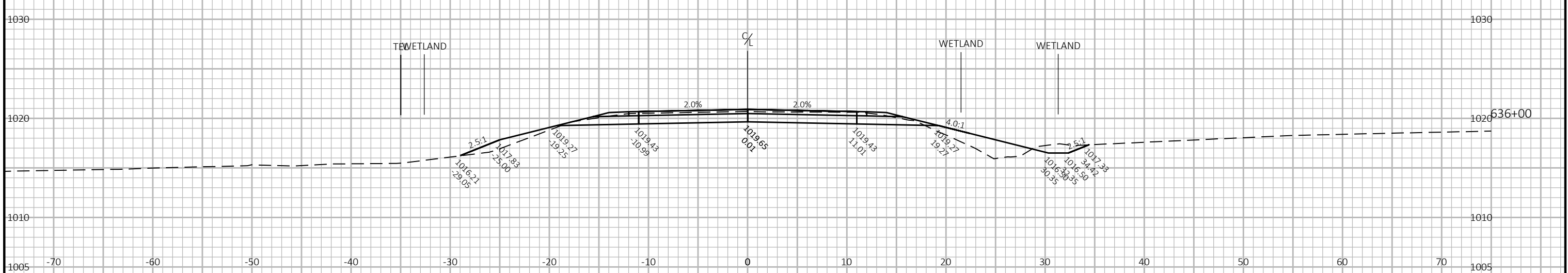
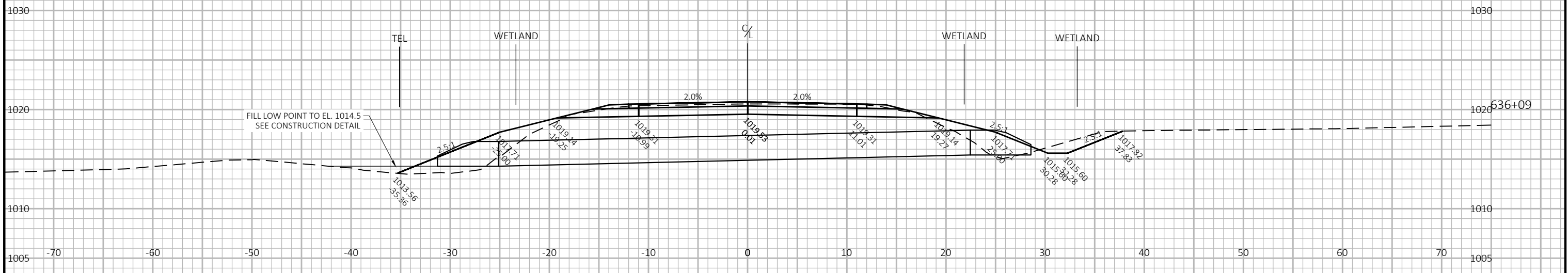
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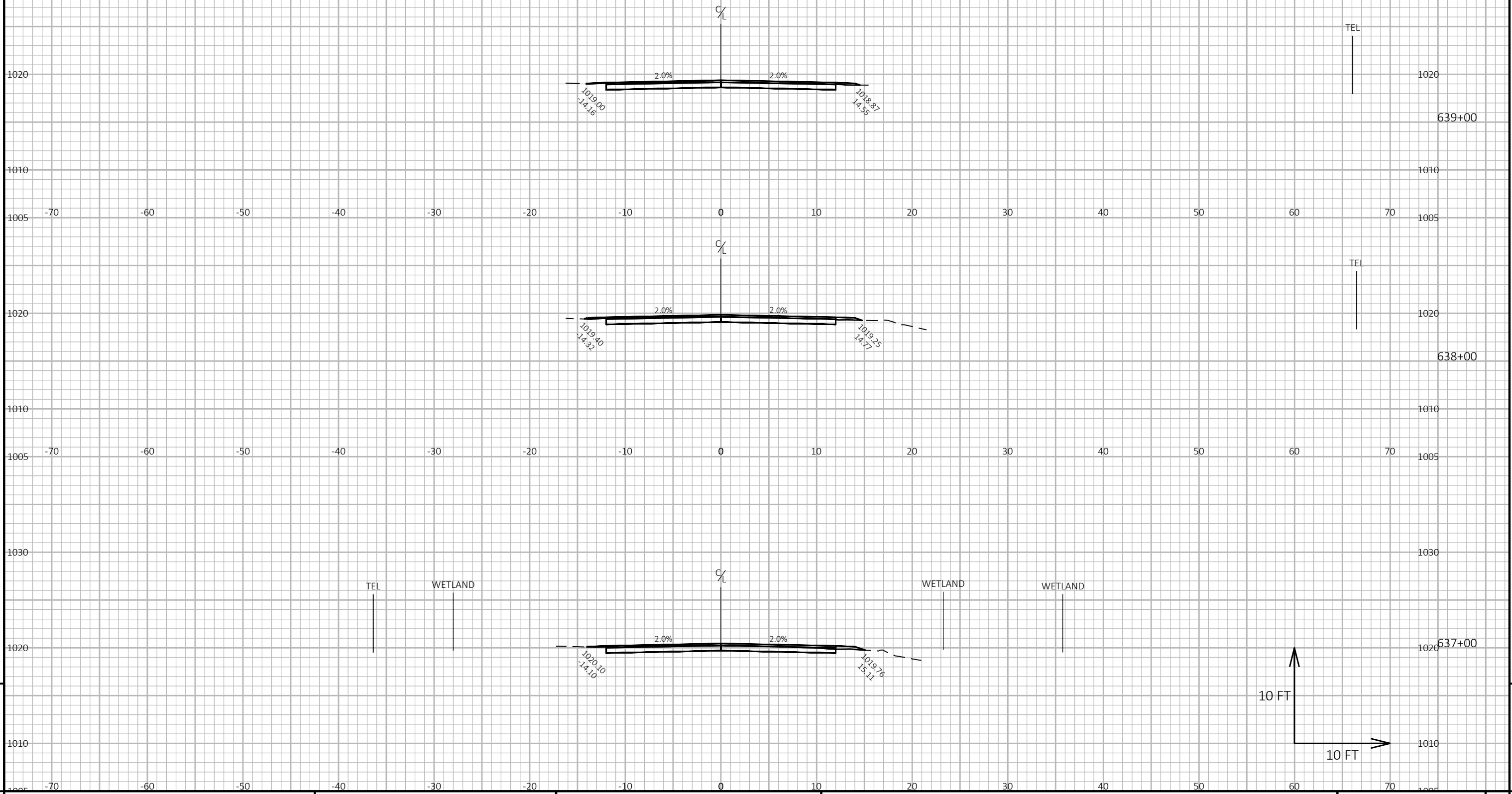
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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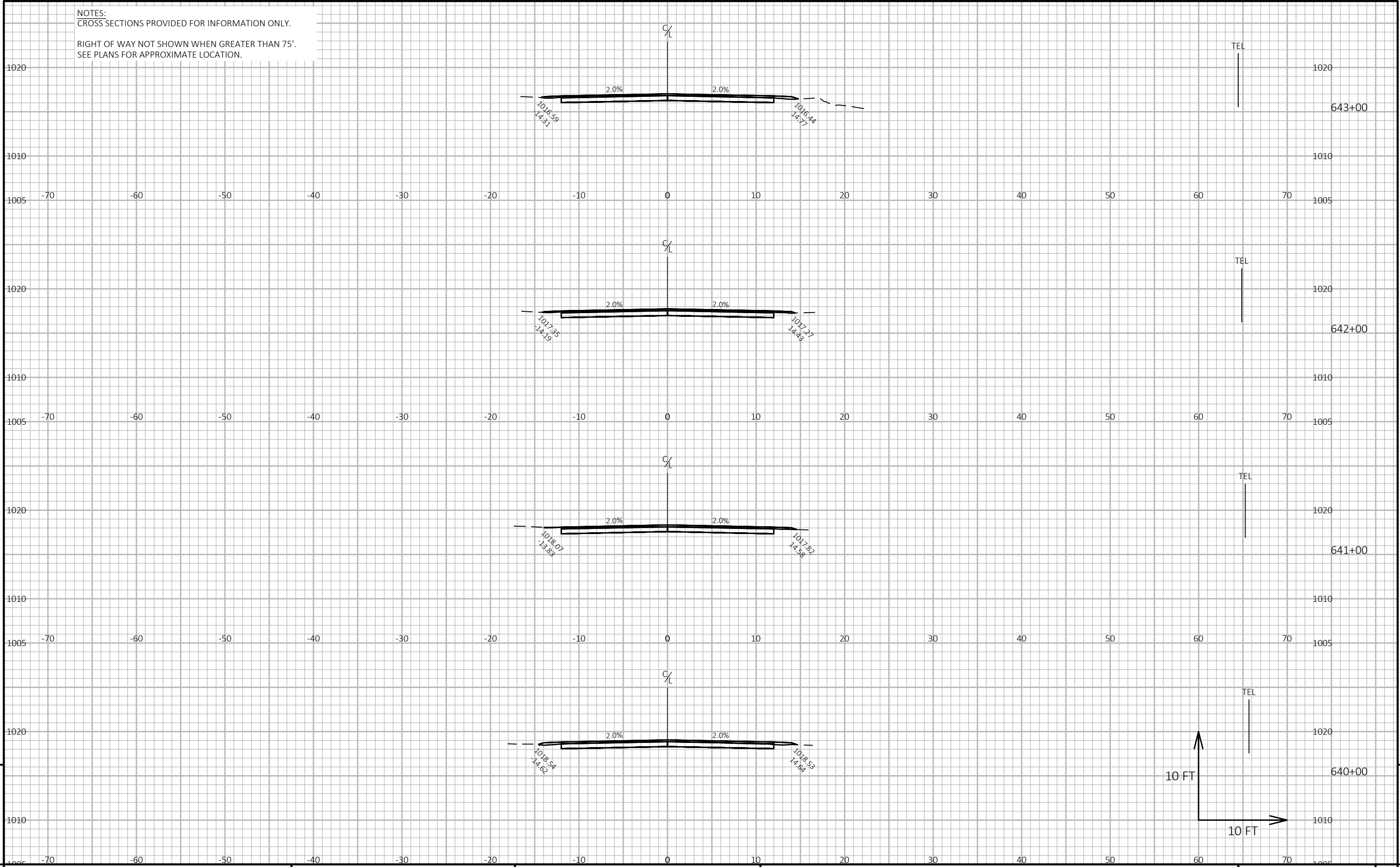
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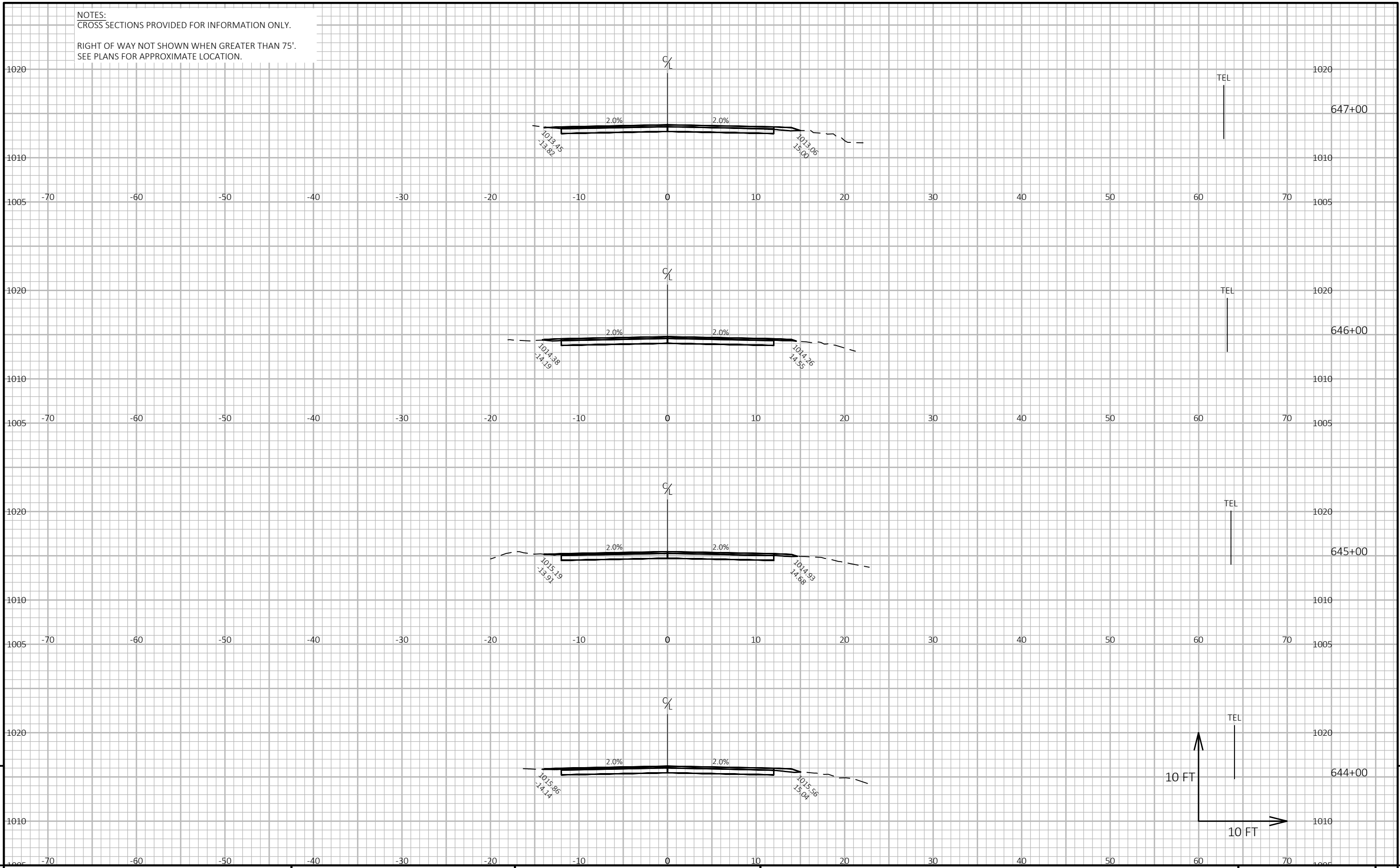
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LAYOUT NAME - 10

NOTES:
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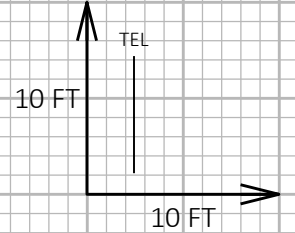
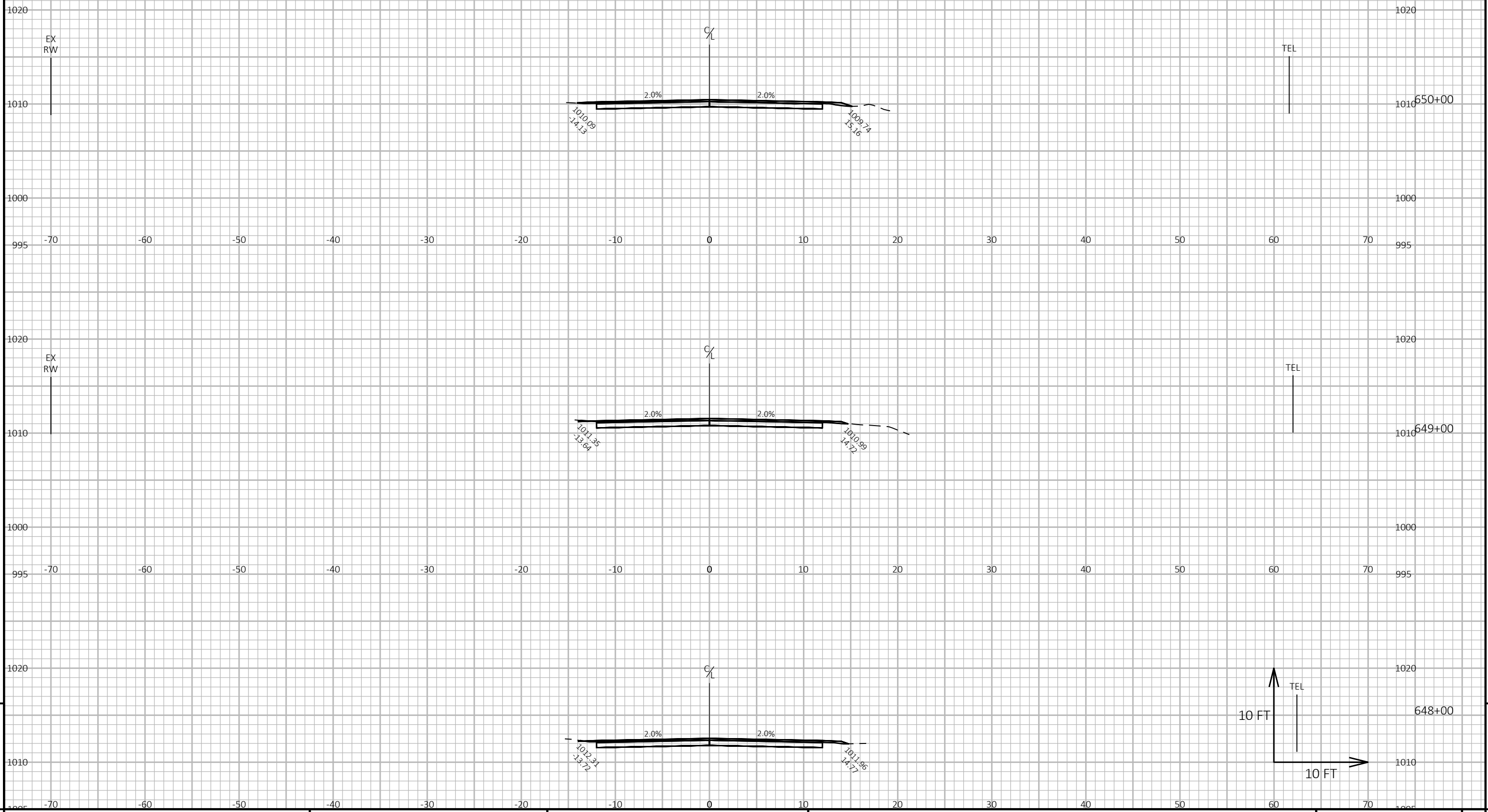
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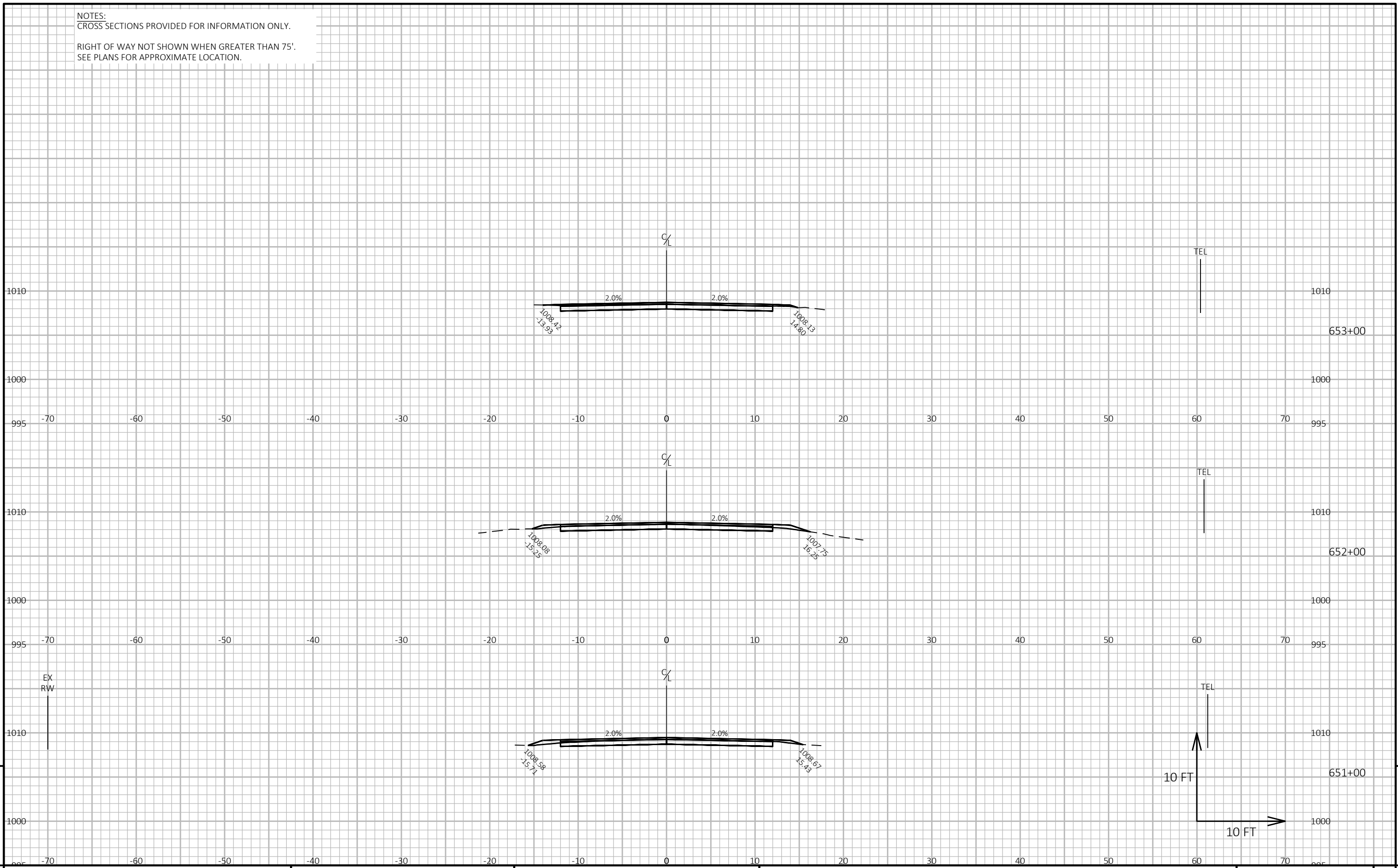
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LAYOUT NAME - 11

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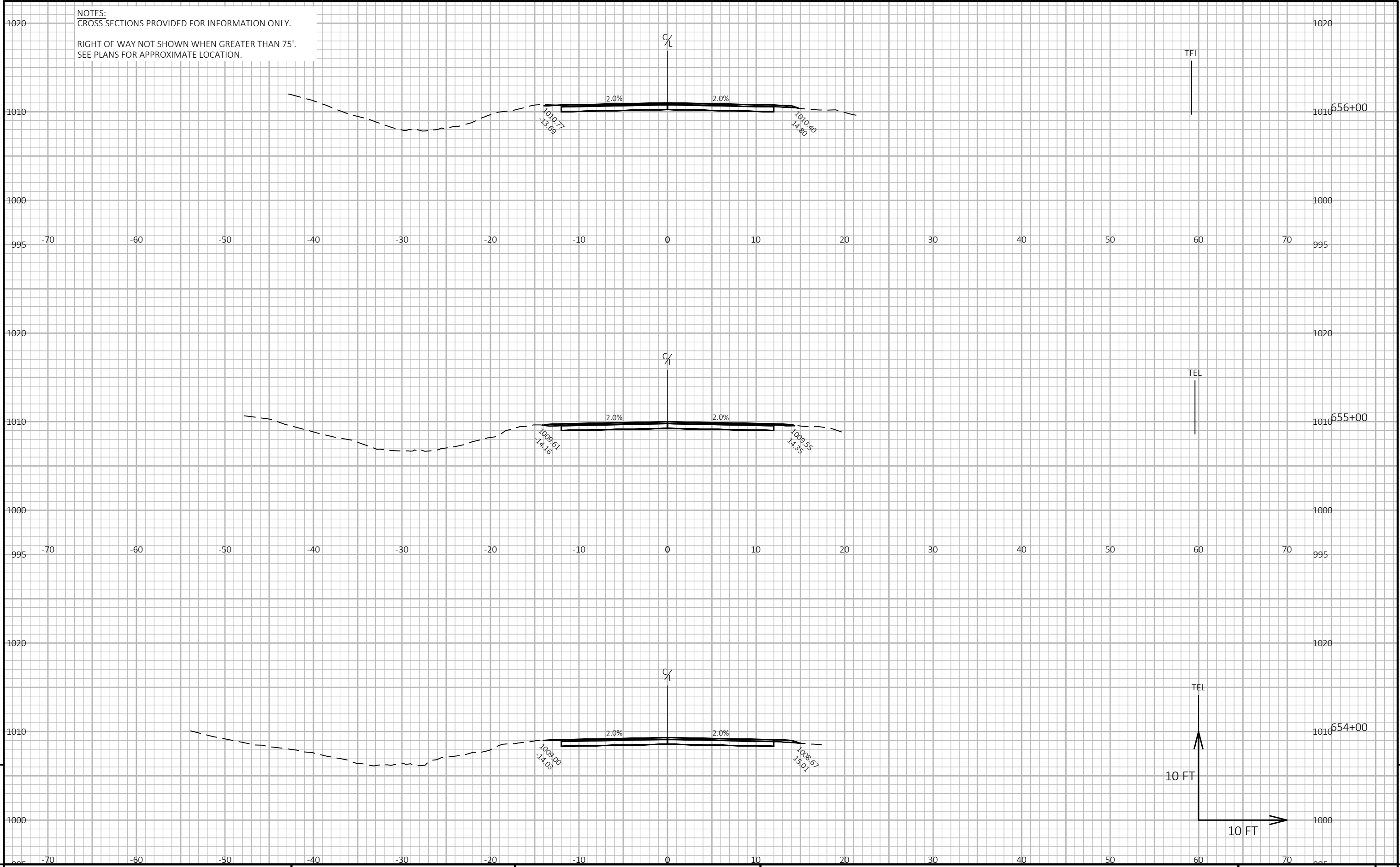
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 13

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



9

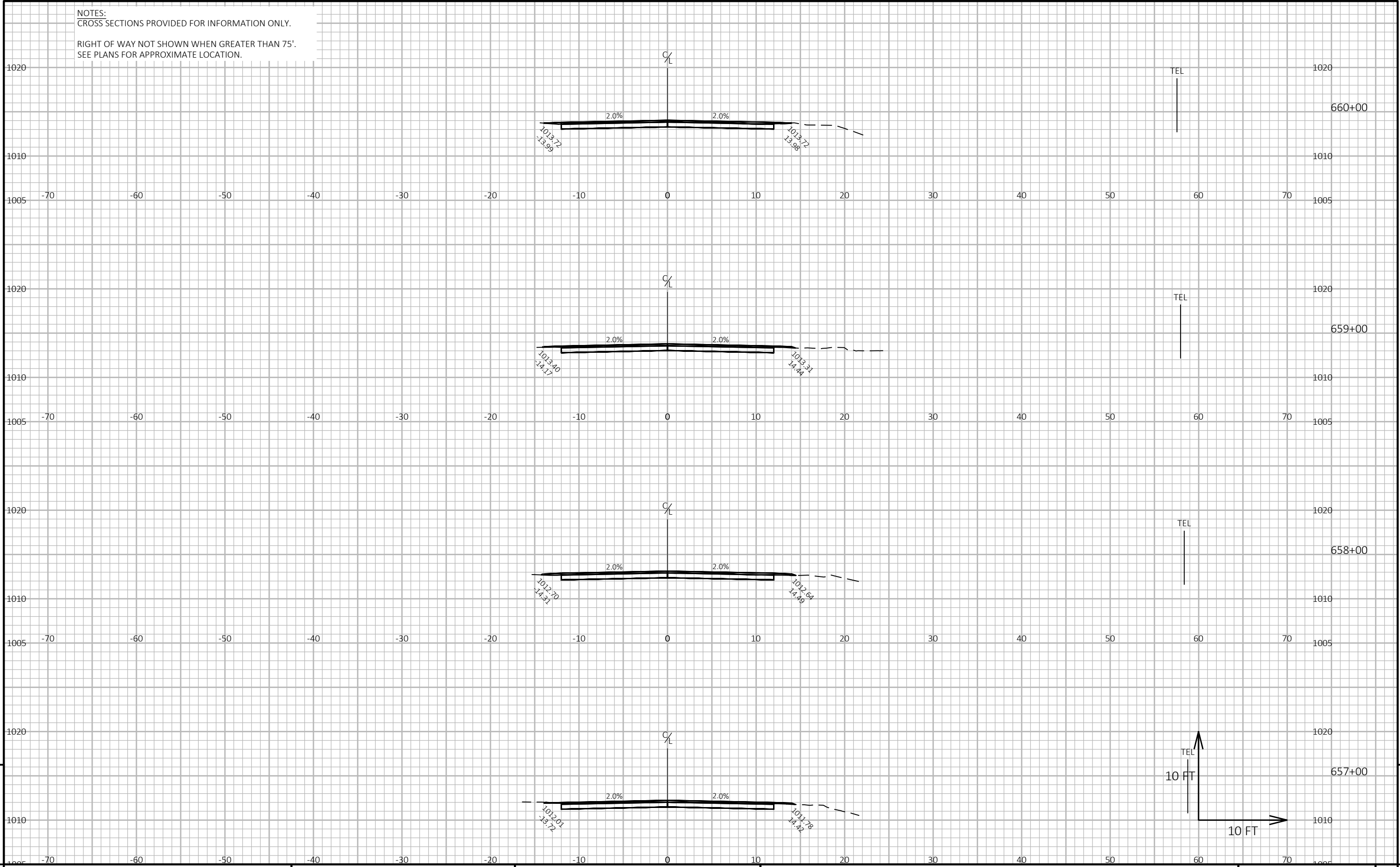
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 14

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
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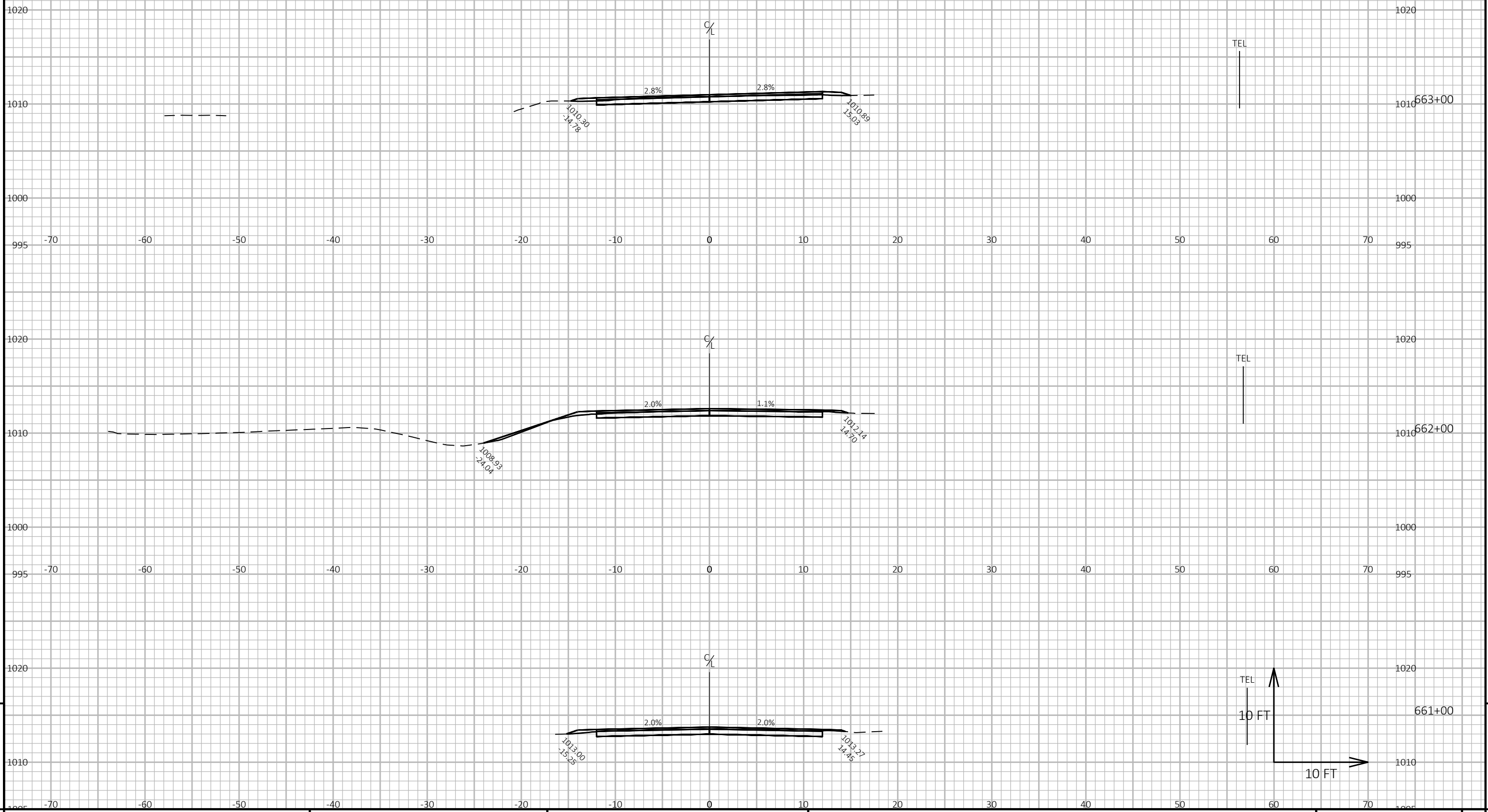
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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NOTES:
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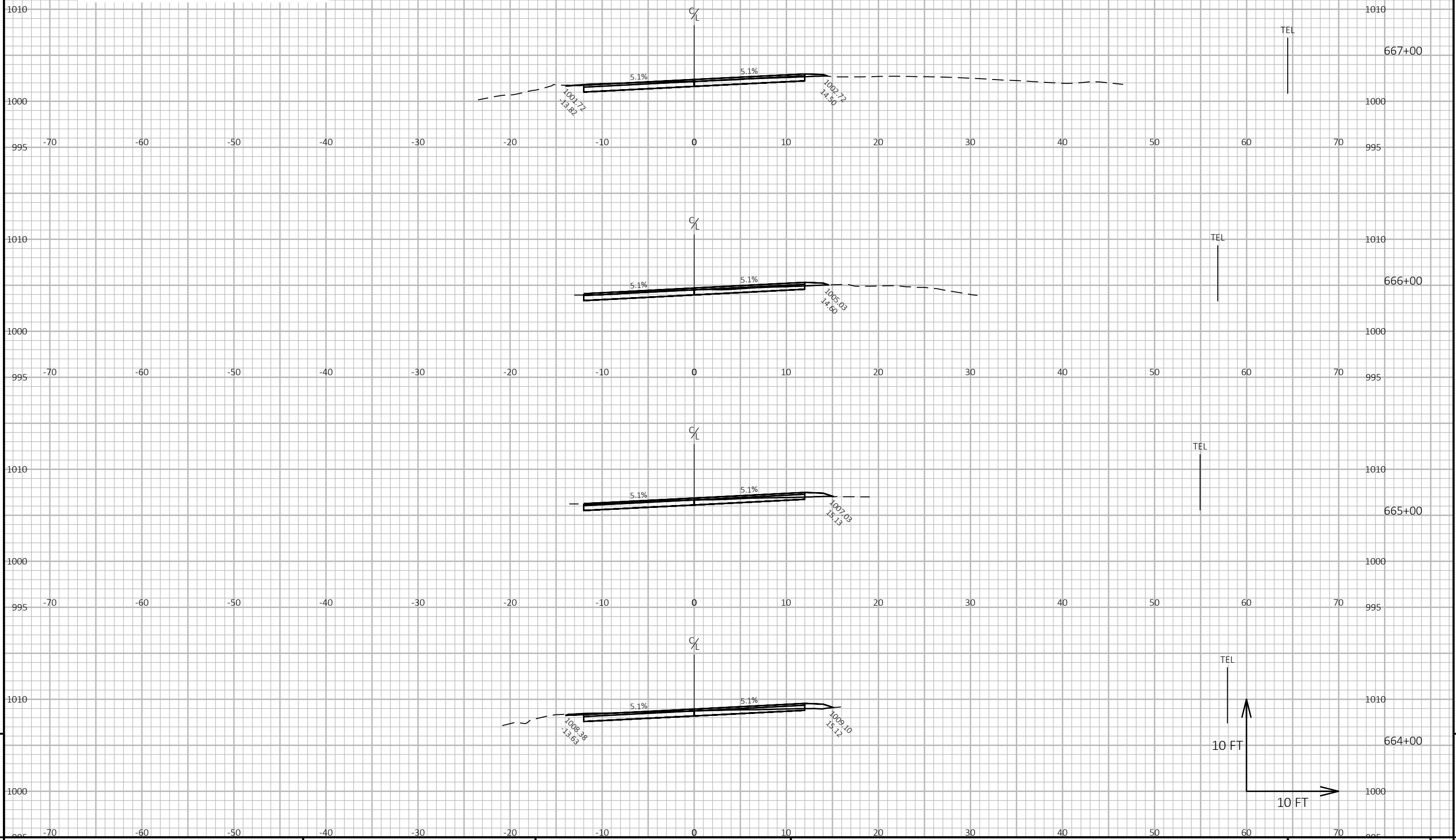
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LAYOUT NAME - 16

NOTES:
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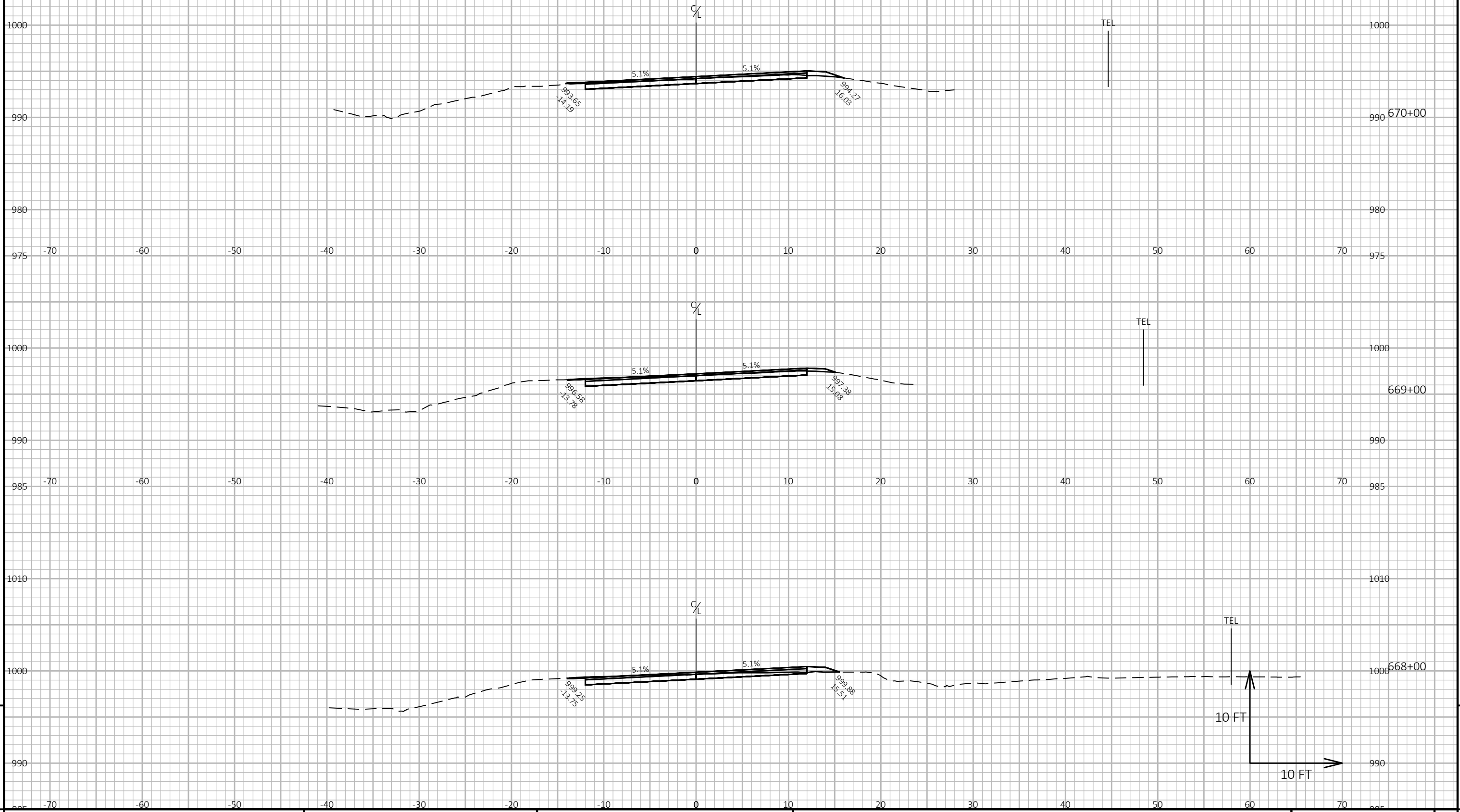
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LAYOUT NAME - 17

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
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 SEE PLANS FOR APPROXIMATE LOCATION.



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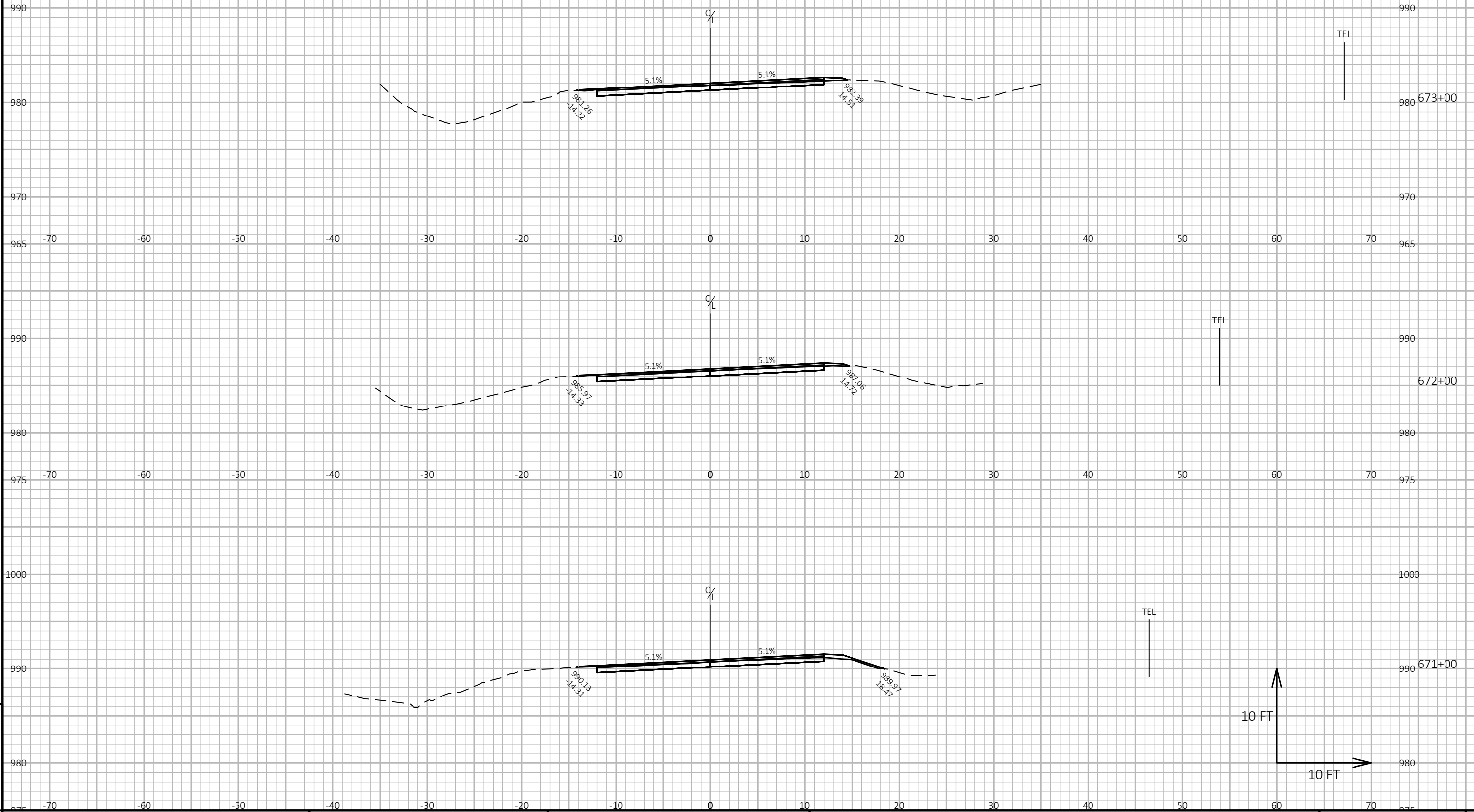
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LAYOUT NAME - 18

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
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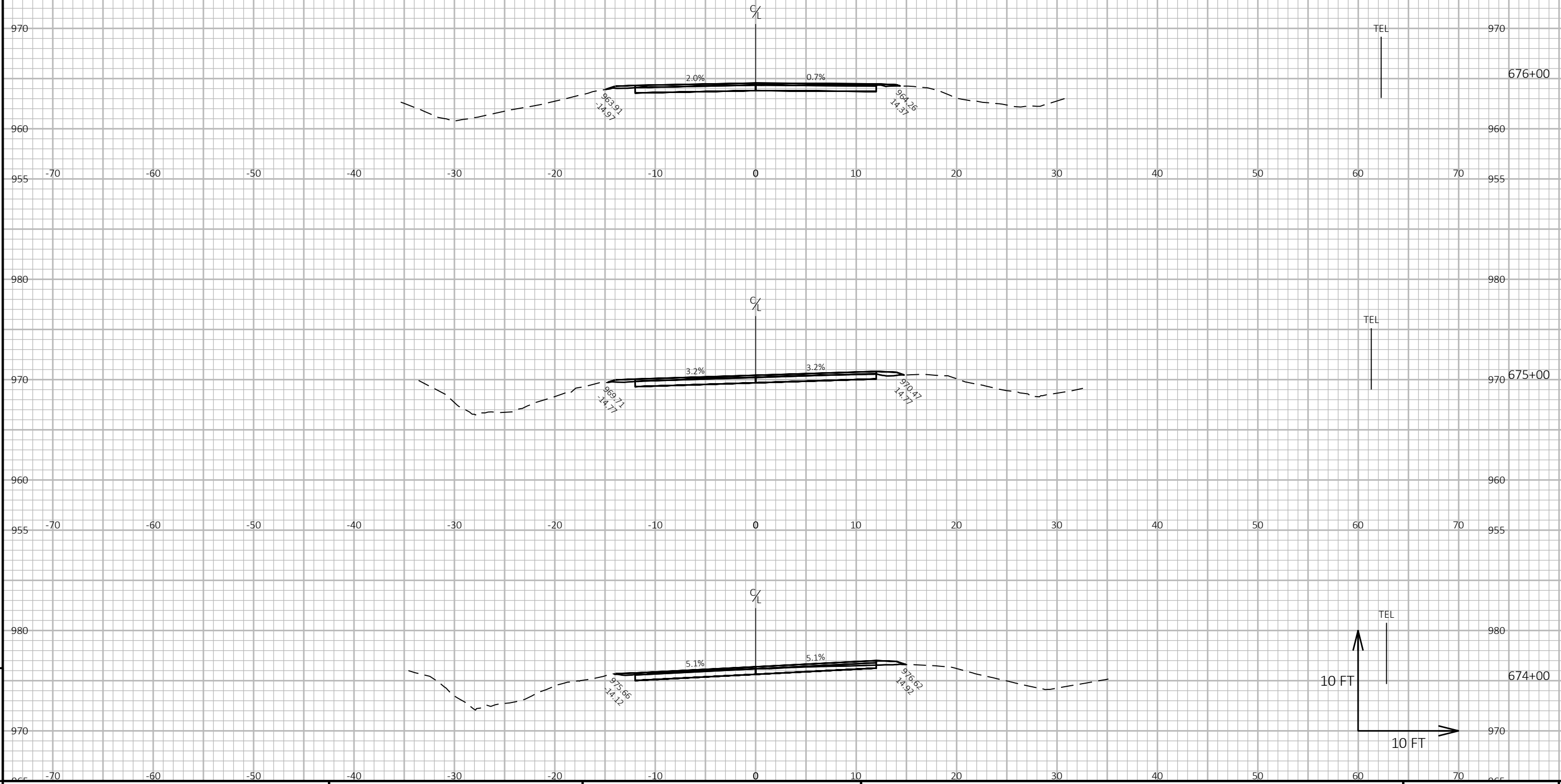
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NOTES:
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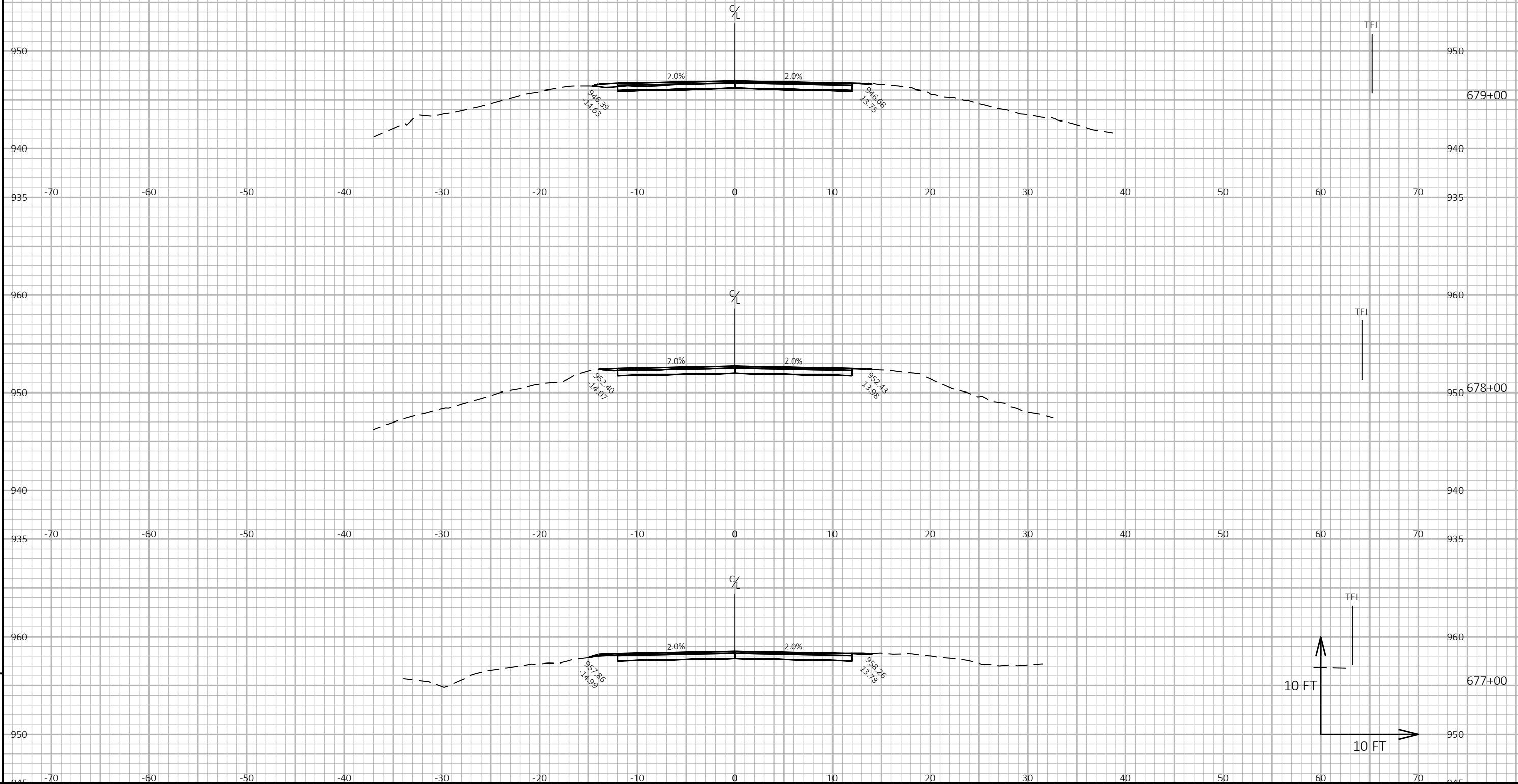
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	E
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LAYOUT NAME - 20

NOTES:
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 SEE PLANS FOR APPROXIMATE LOCATION.



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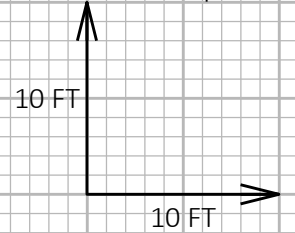
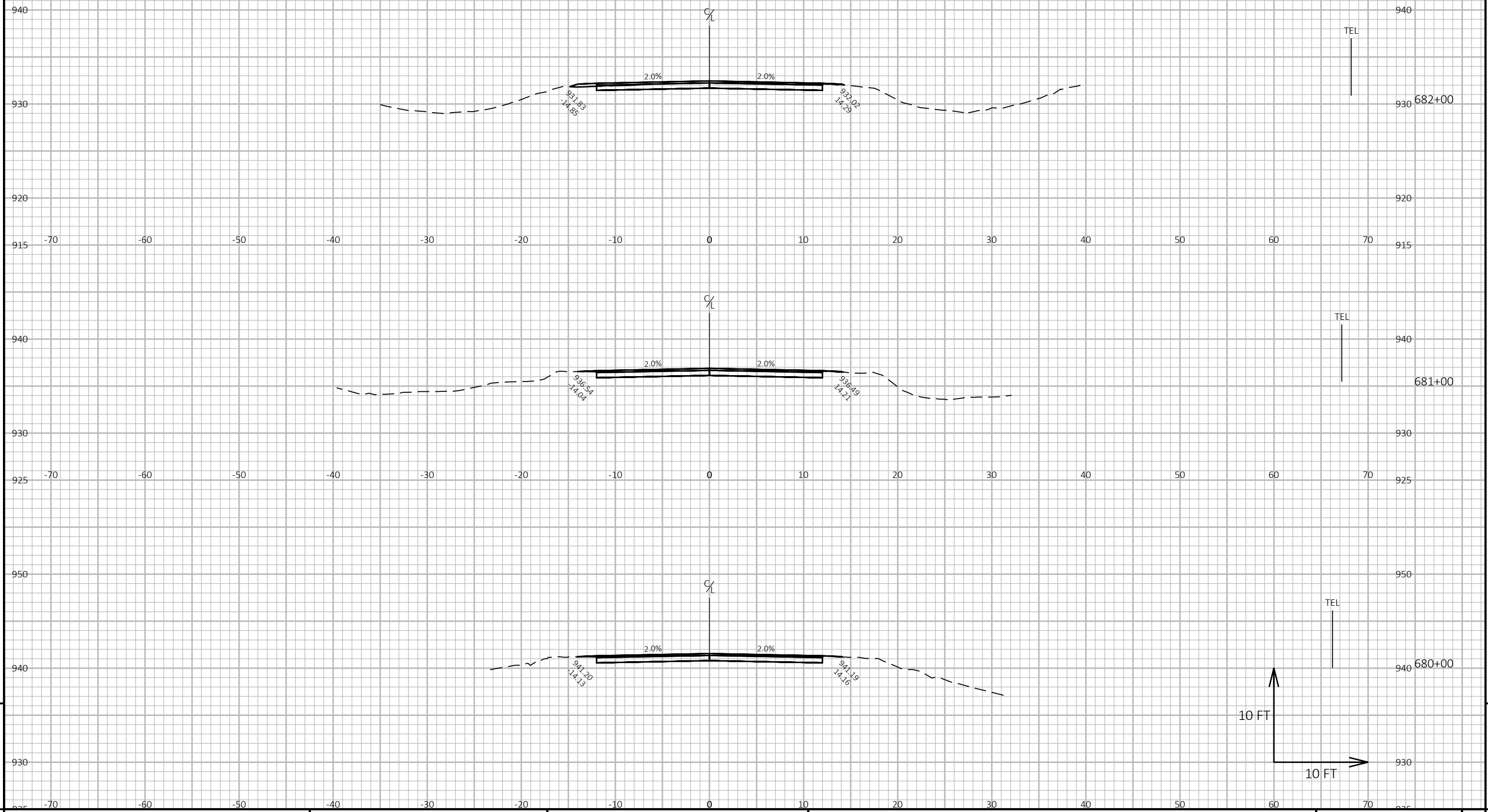
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 21

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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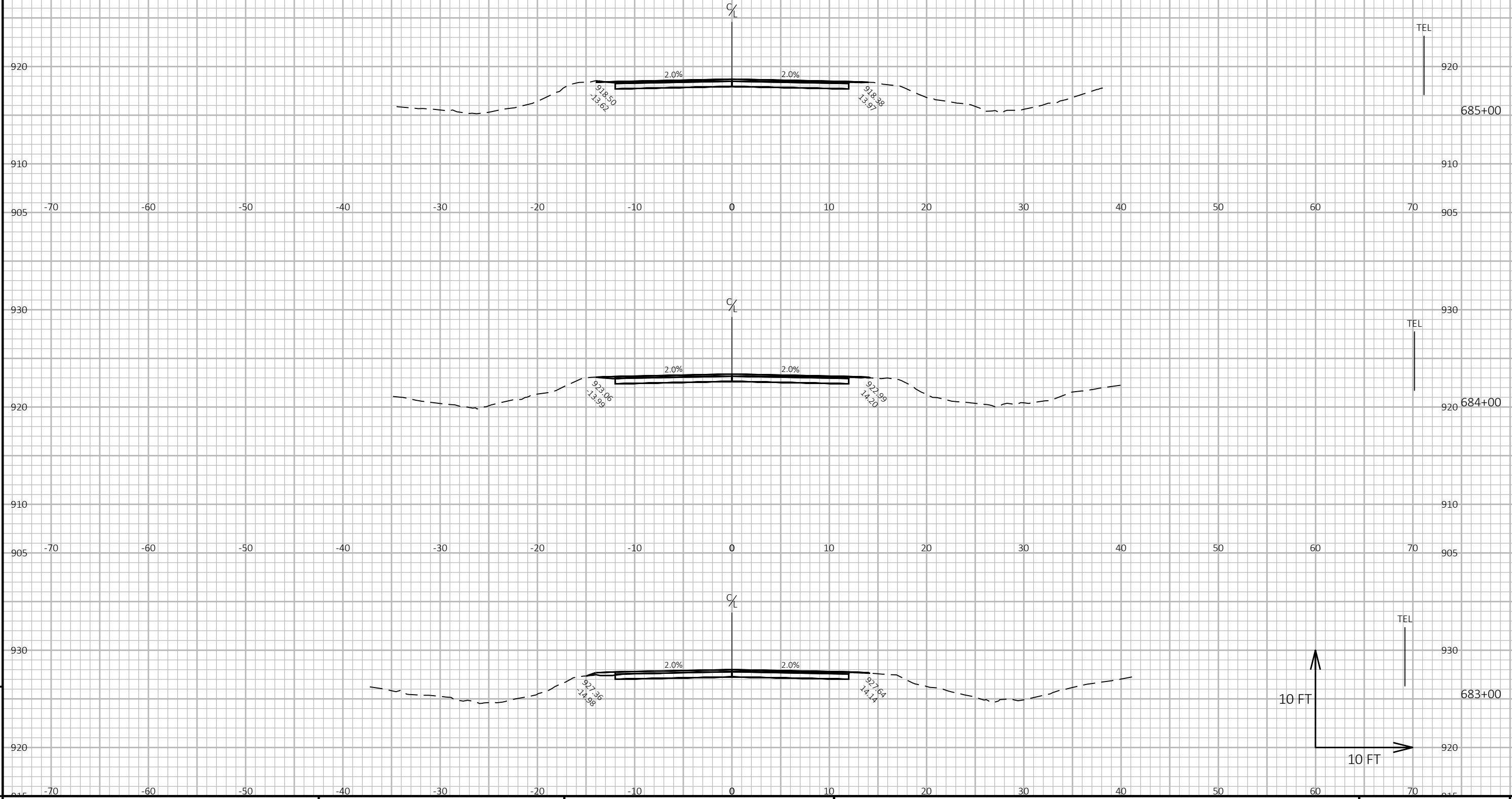
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LAYOUT NAME - 22

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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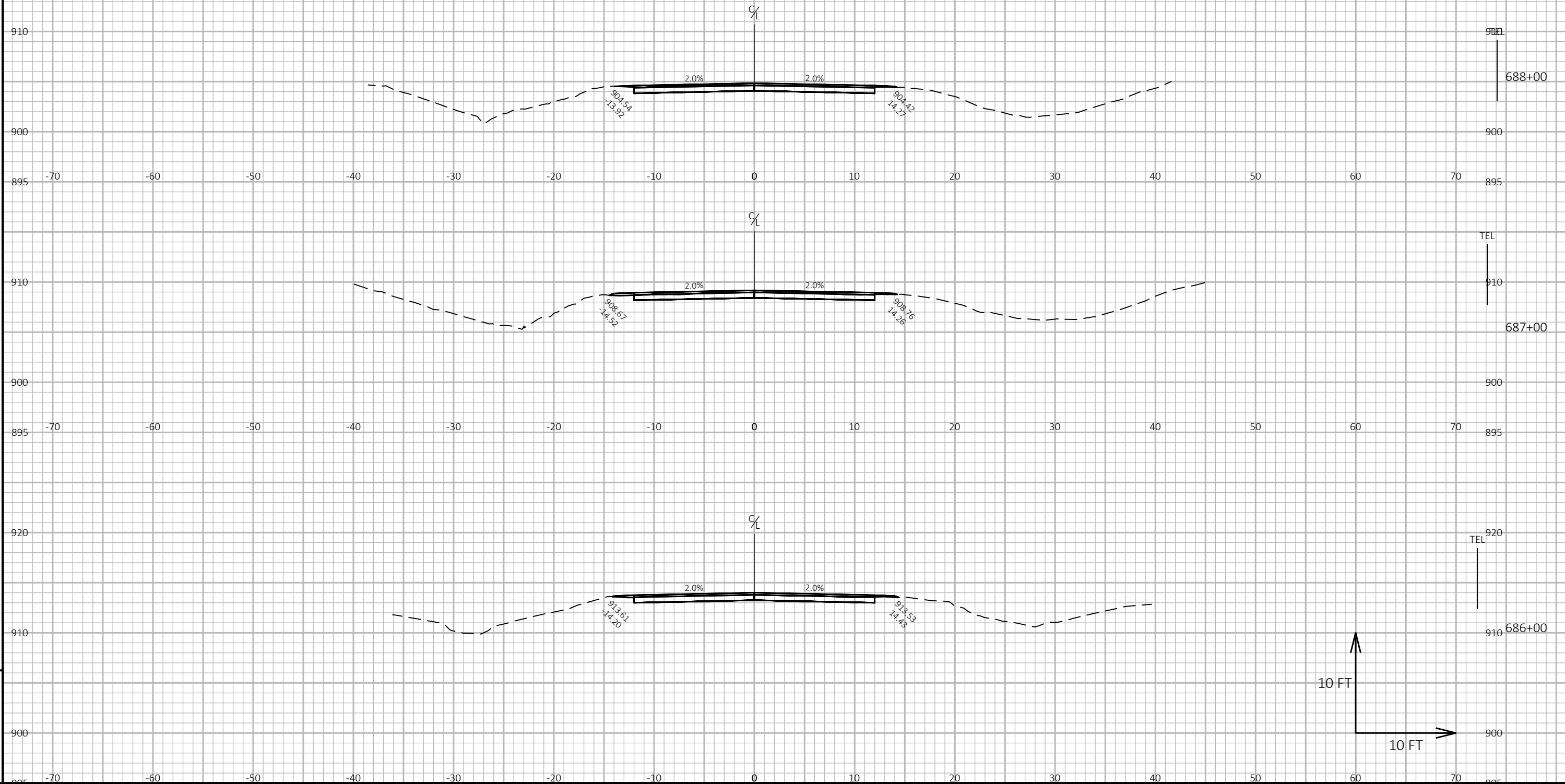
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LAYOUT NAME - 23

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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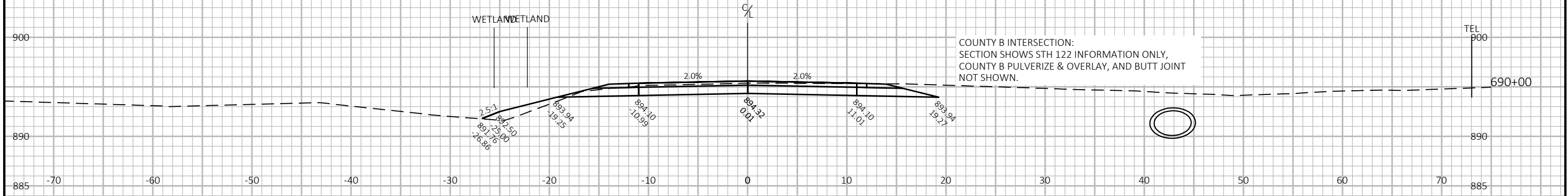
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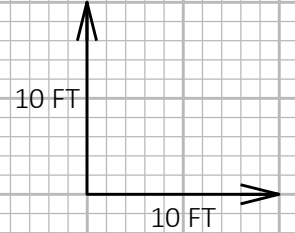
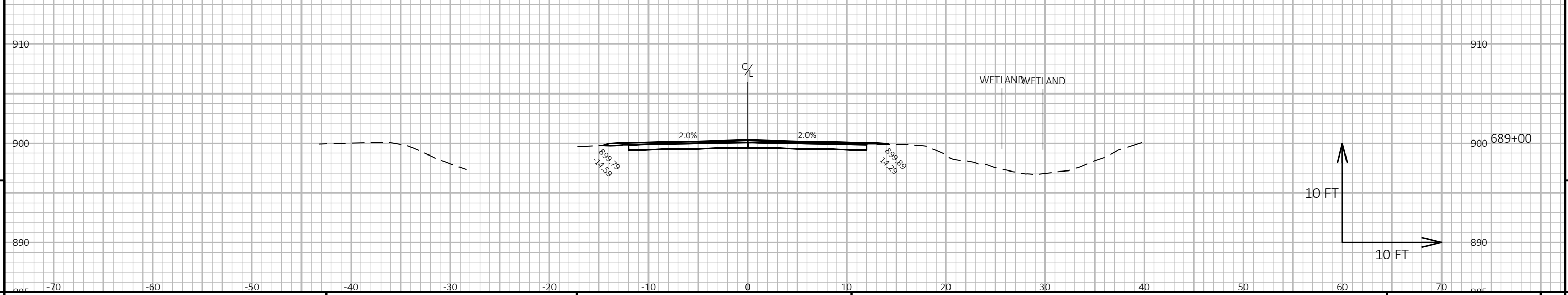
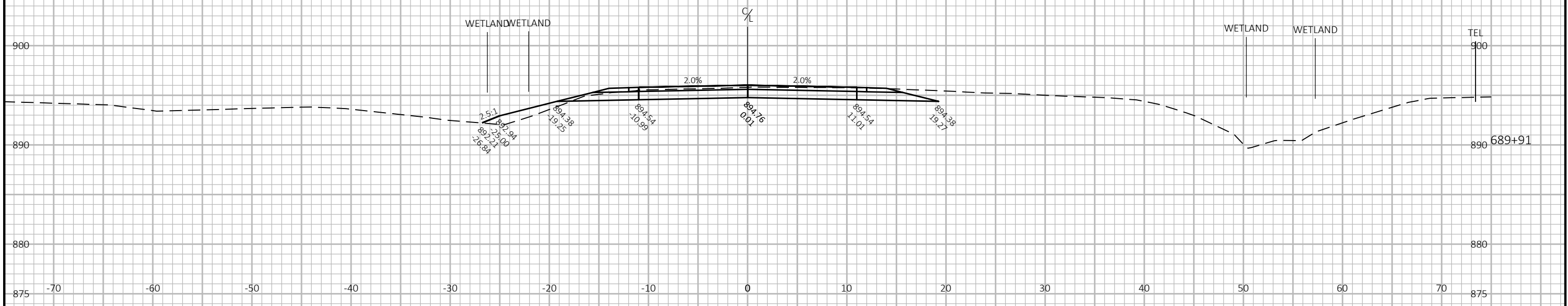
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LAYOUT NAME - 24

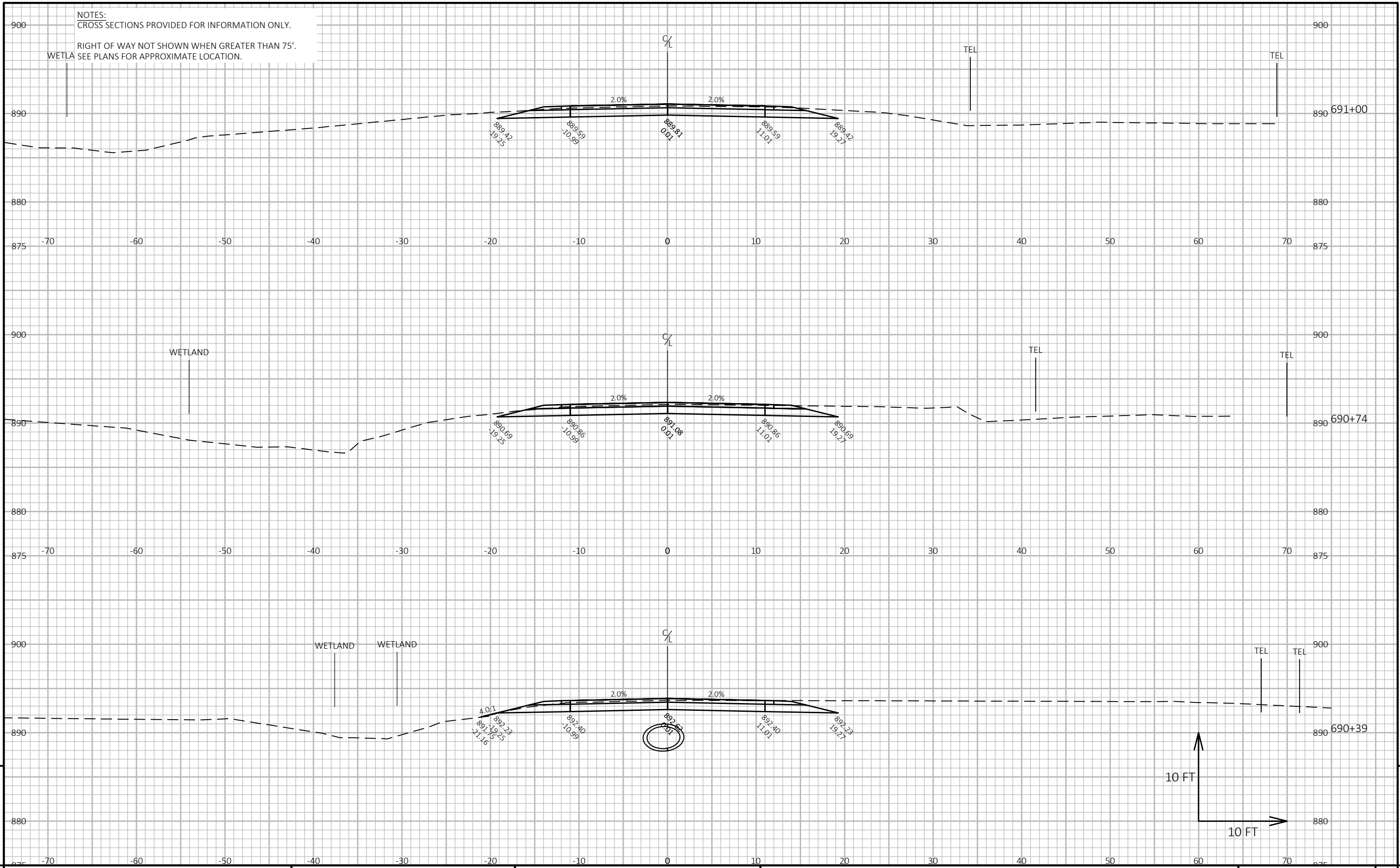
NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



COUNTY B INTERSECTION:
 SECTION SHOWS STH 122 INFORMATION ONLY,
 COUNTY B PULVERIZE & OVERLAY, AND BUTT JOINT
 NOT SHOWN.



NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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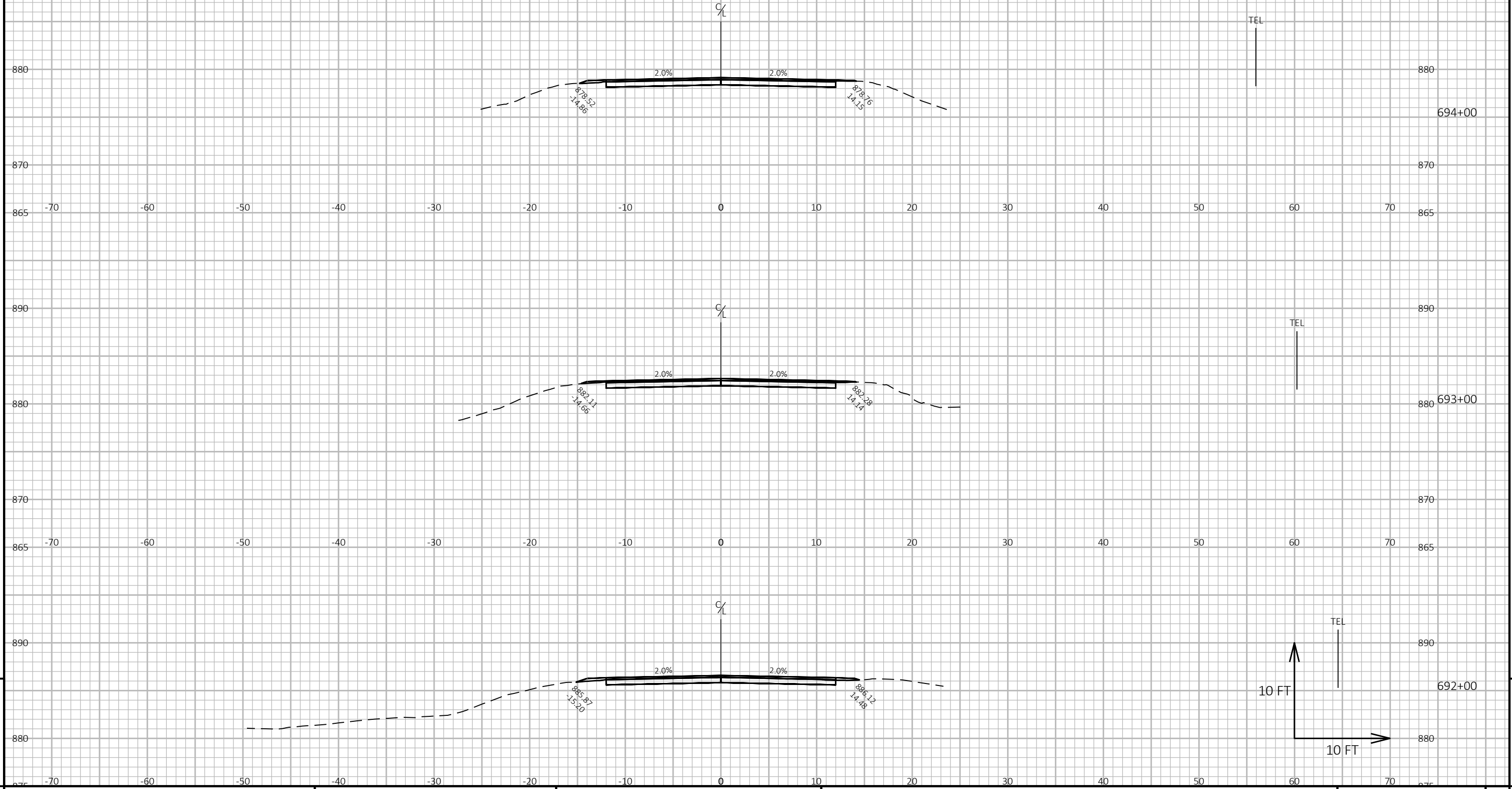
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 26

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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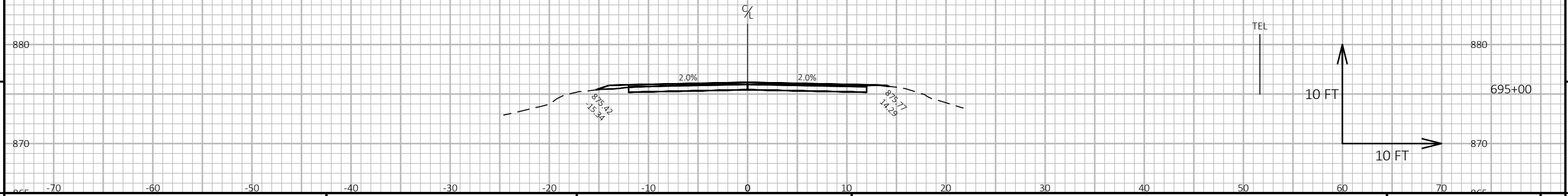
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 27

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
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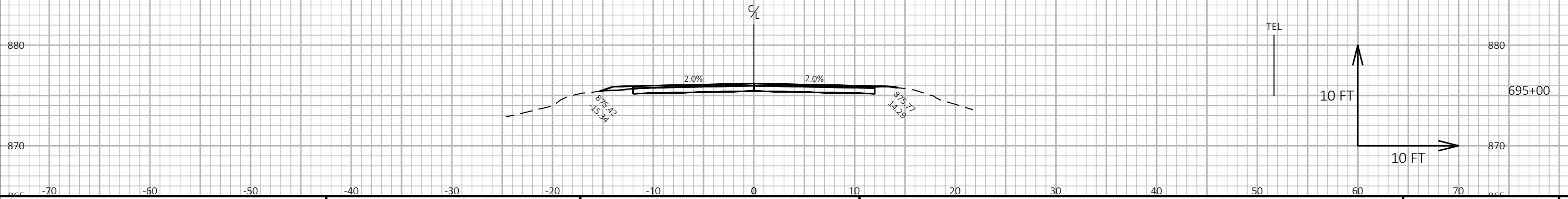
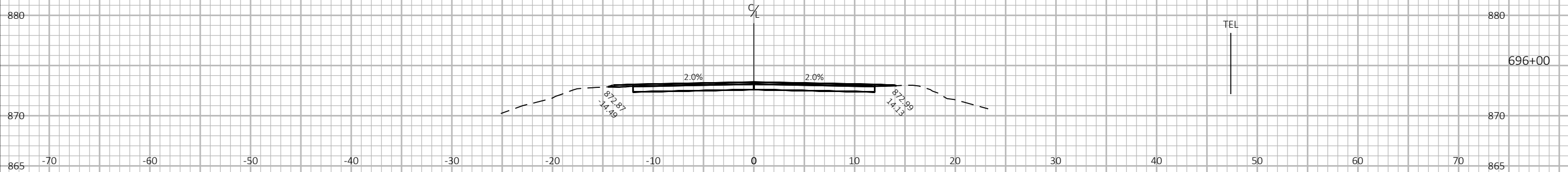
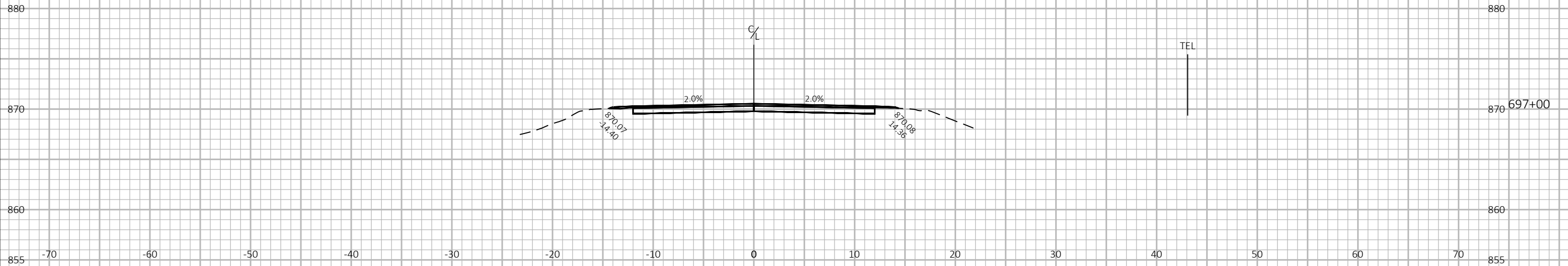
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	E
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 PLOT BY : WEIGAND, BEN
 PLOT NAME :
 PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
 WISDOT/CADD SHEET 49

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
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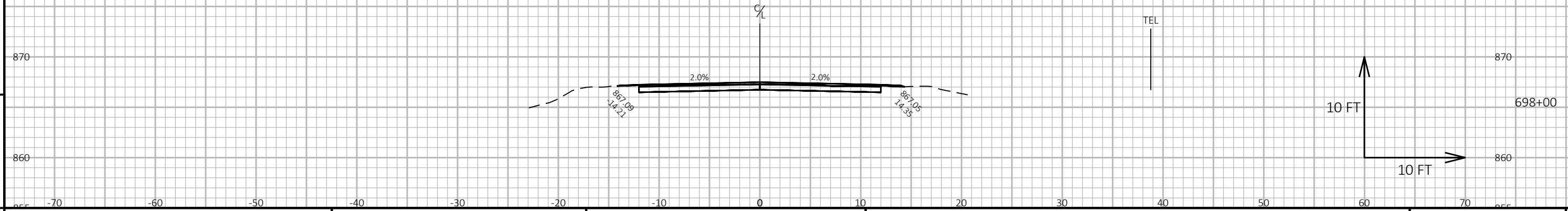
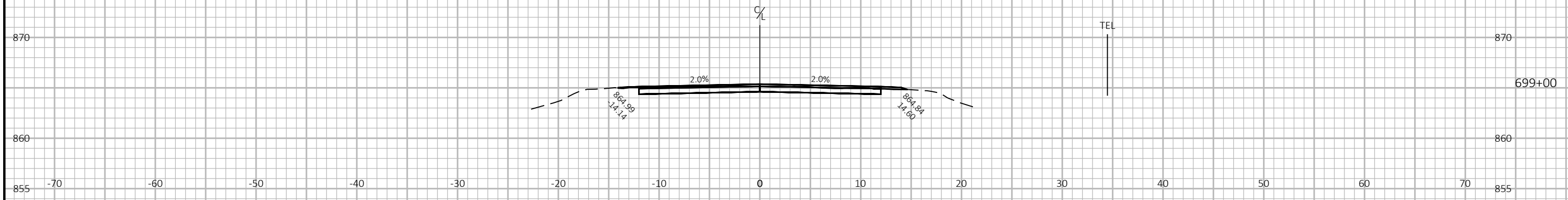
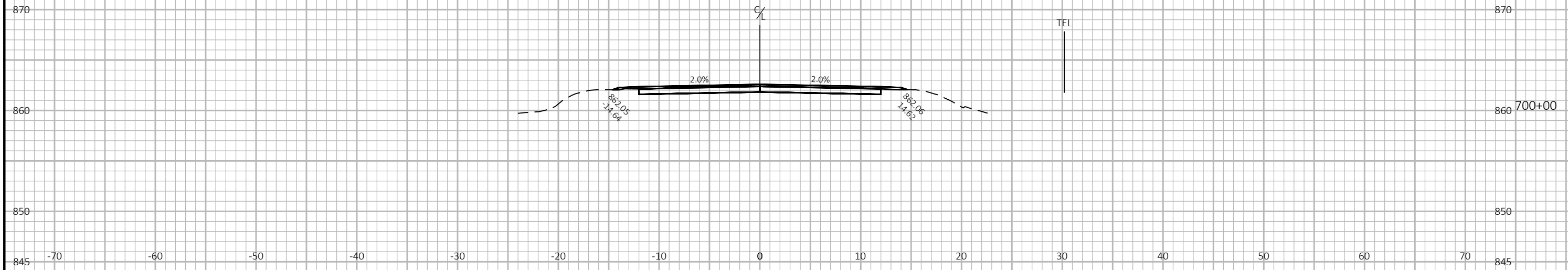
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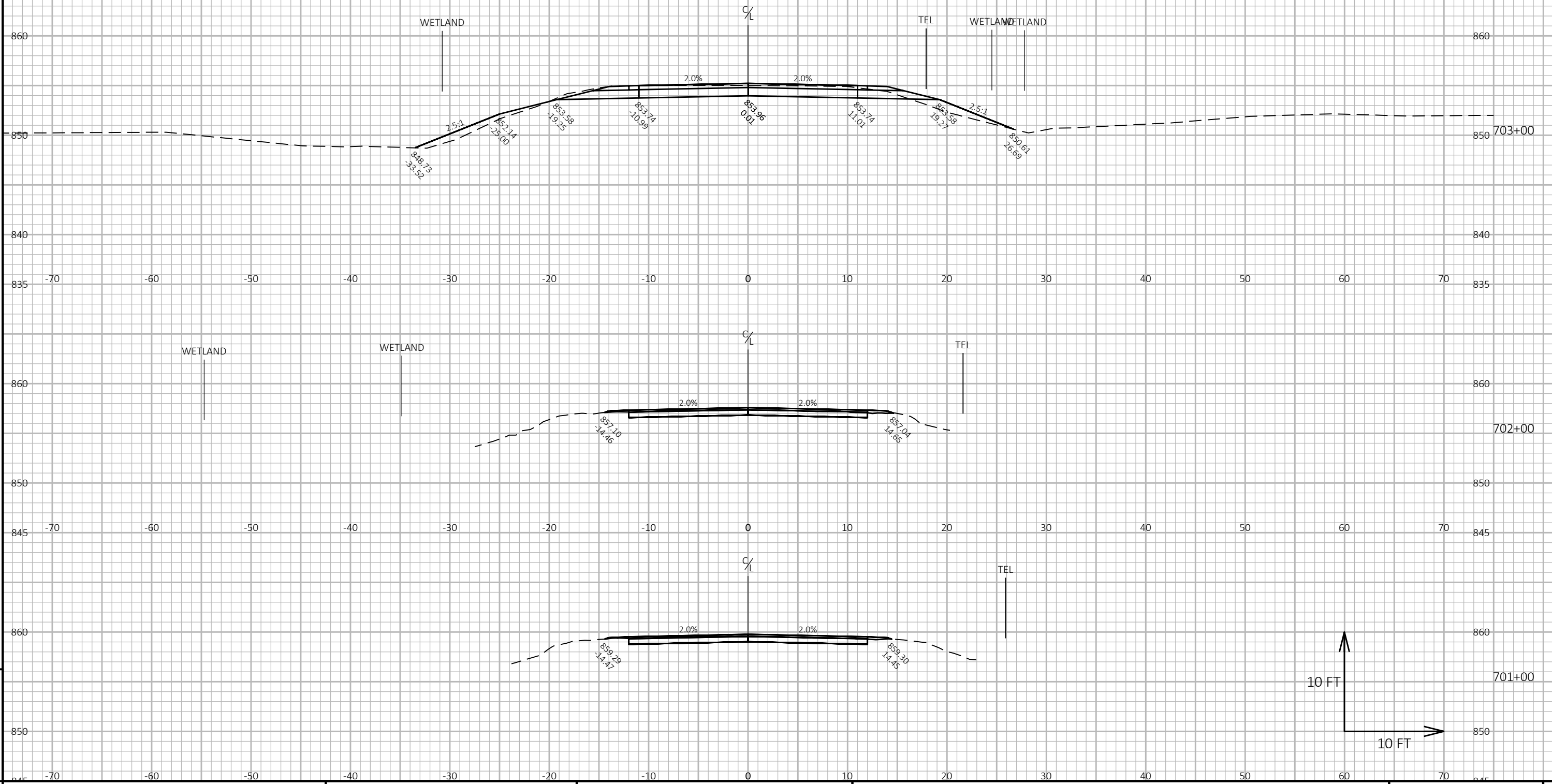
PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET E
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FILE NAME : Y:\MILWAUKEE\202005\20294.00\ENG_DOCS\9303-03-72\93030372\SHEETSPLAN\090228-XS.DWG PLOT DATE : 9/15/2022 7:31 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

NOTES:
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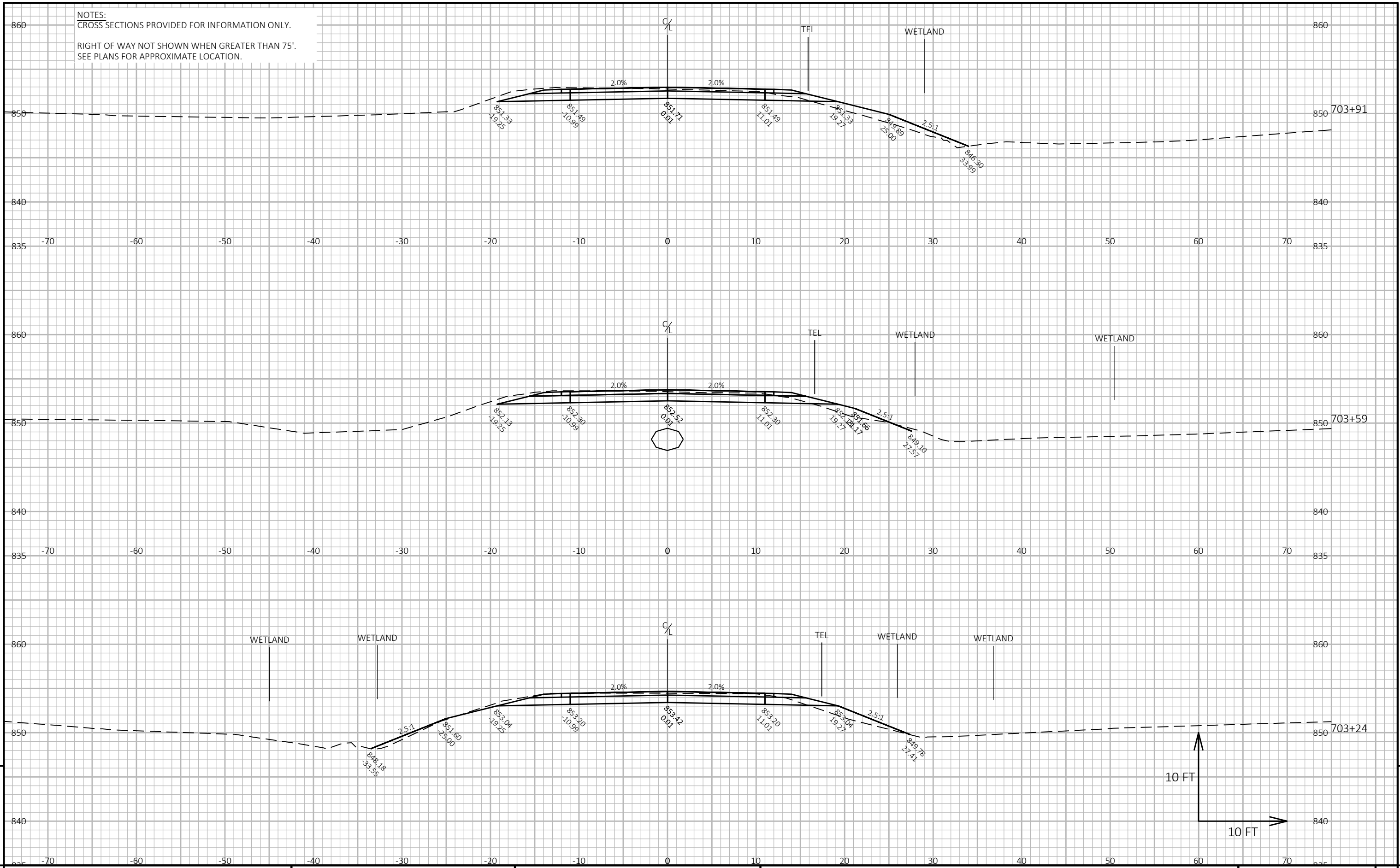
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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PROJECT NO: 9303-03-72

HWY: STH 122

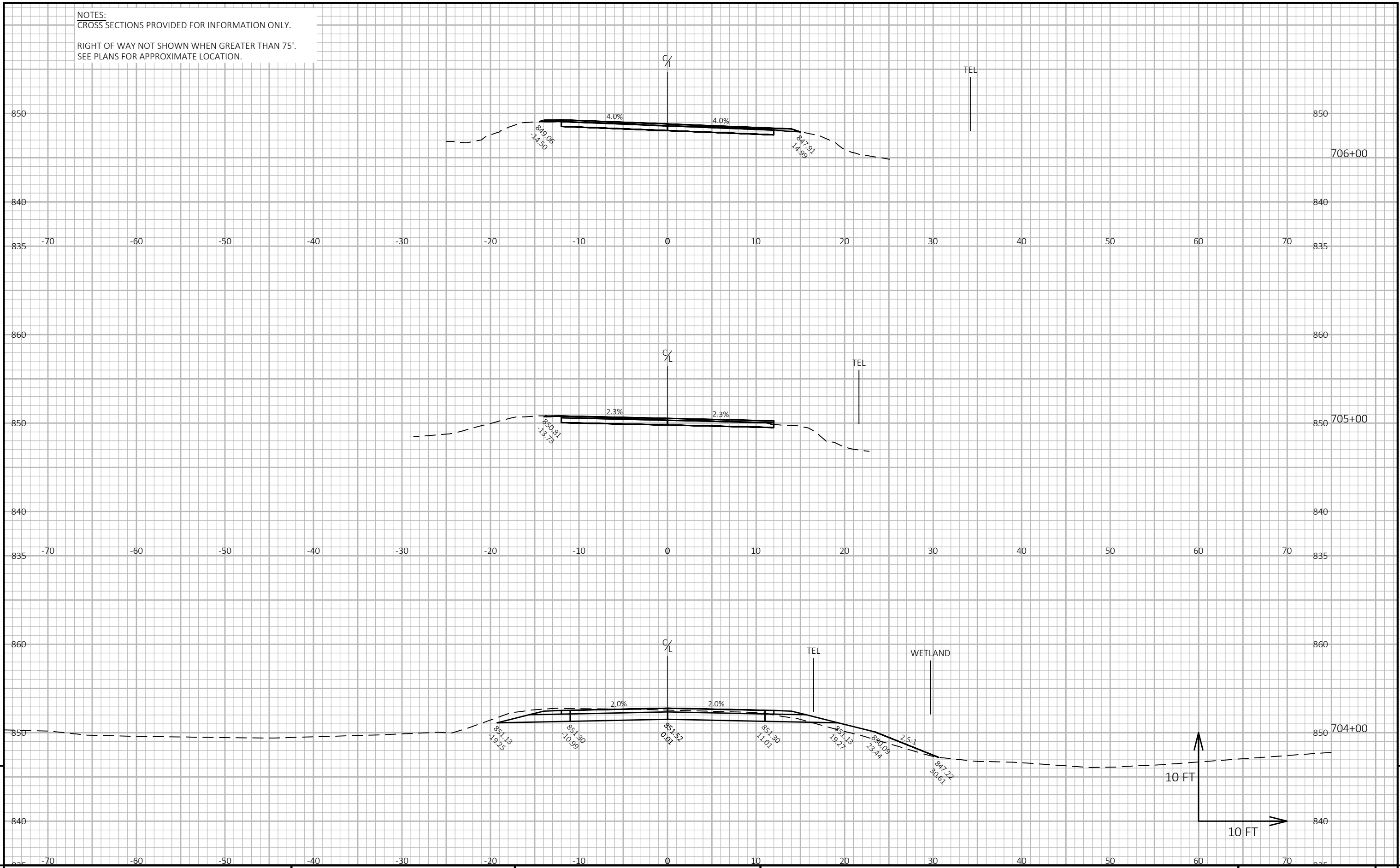
COUNTY: IRON

CROSS SECTIONS: PULVERIZE & RELAY

SHEET

E

NOTES:
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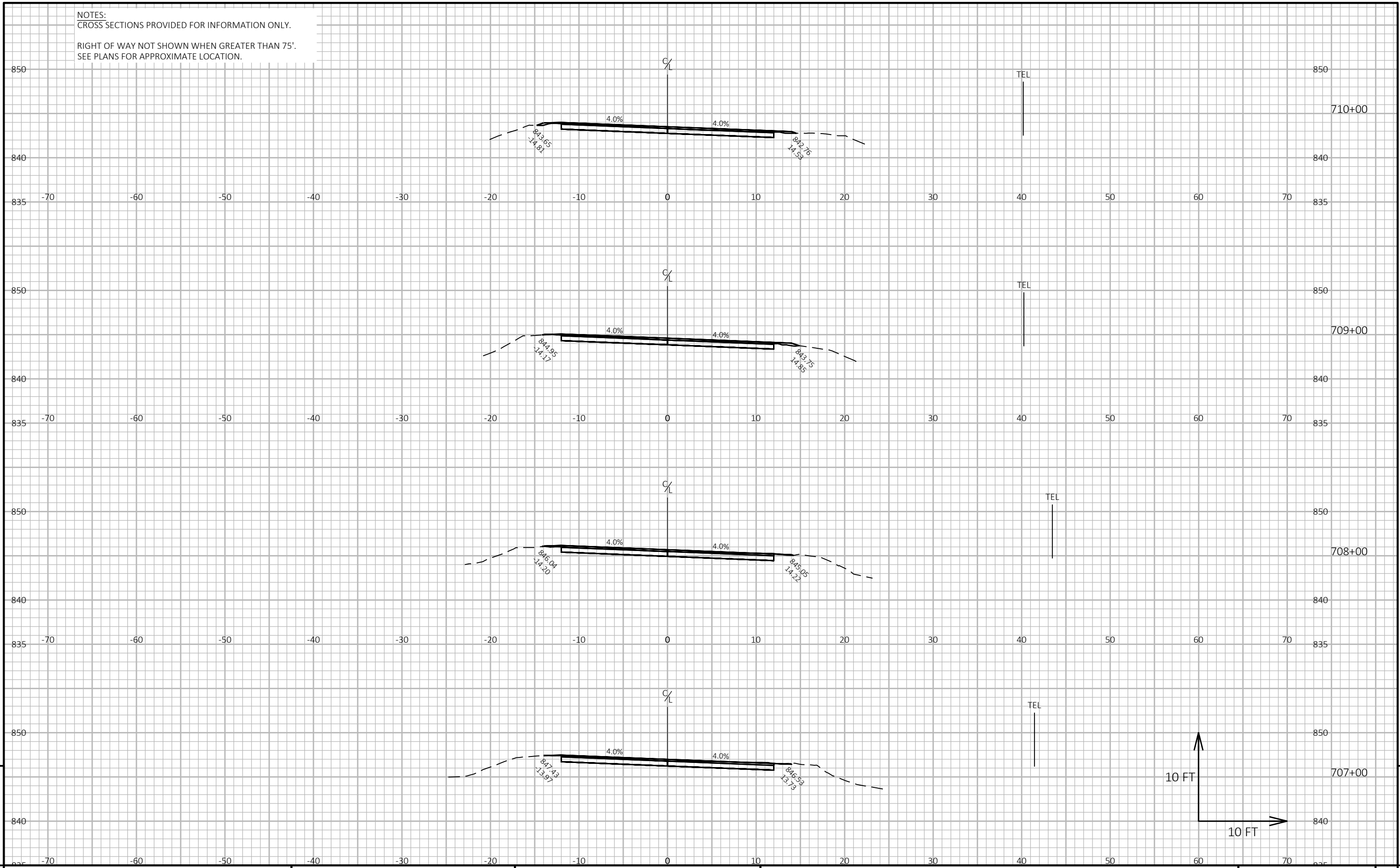
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

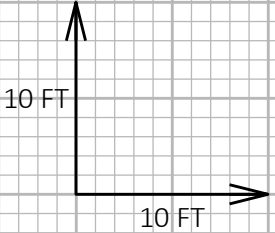
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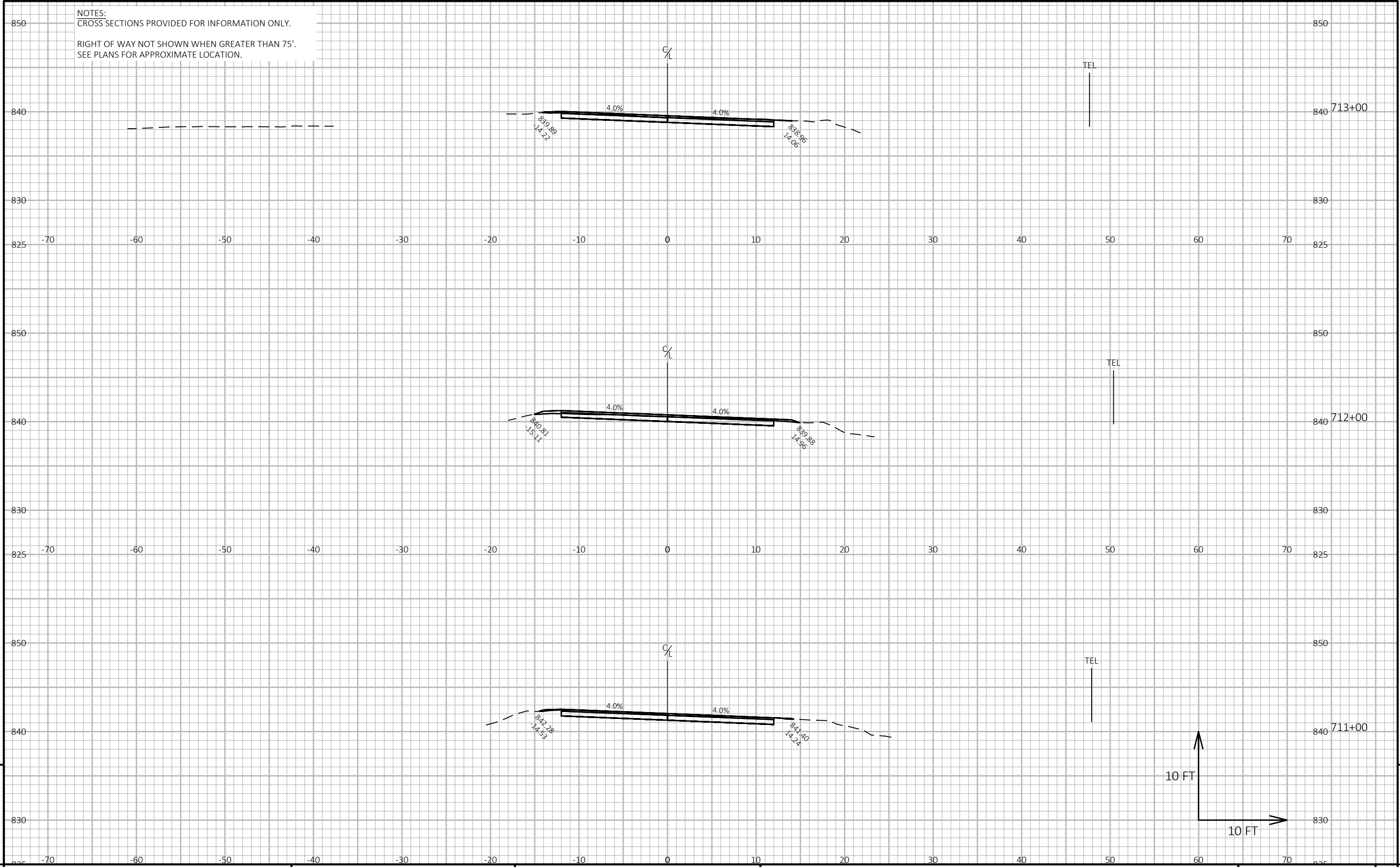
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET E
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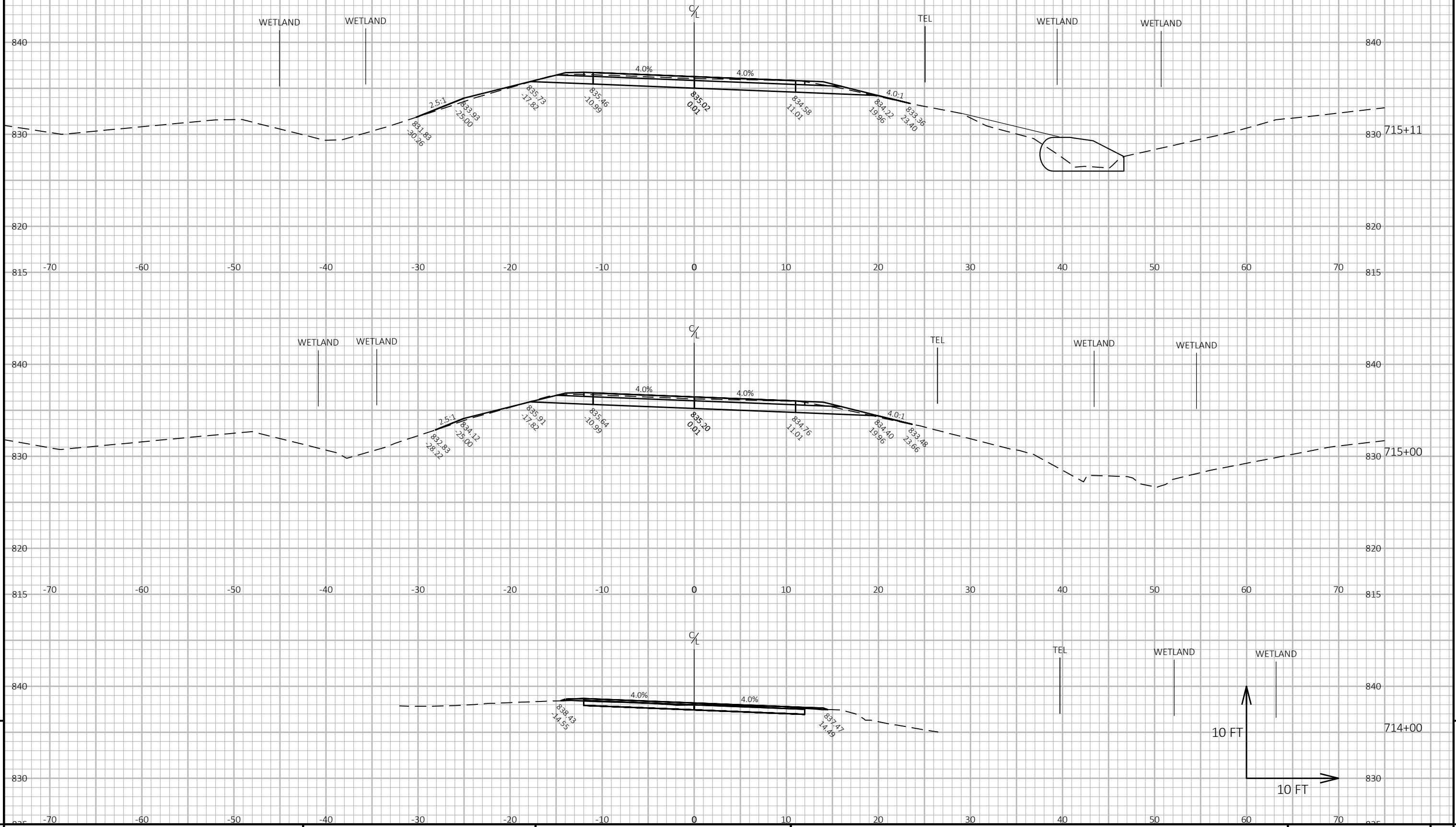
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

FILE NAME : Y:\MILWAUKEE\202005\20294.00\ENG_DOCS\9303-03-72\93030372\SHEETSPLAN\090228-XS.DWG PLOT DATE : 9/15/2022 7:31 AM PLOT BY : WEIGAND, BEN PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

LAYOUT NAME - 07

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
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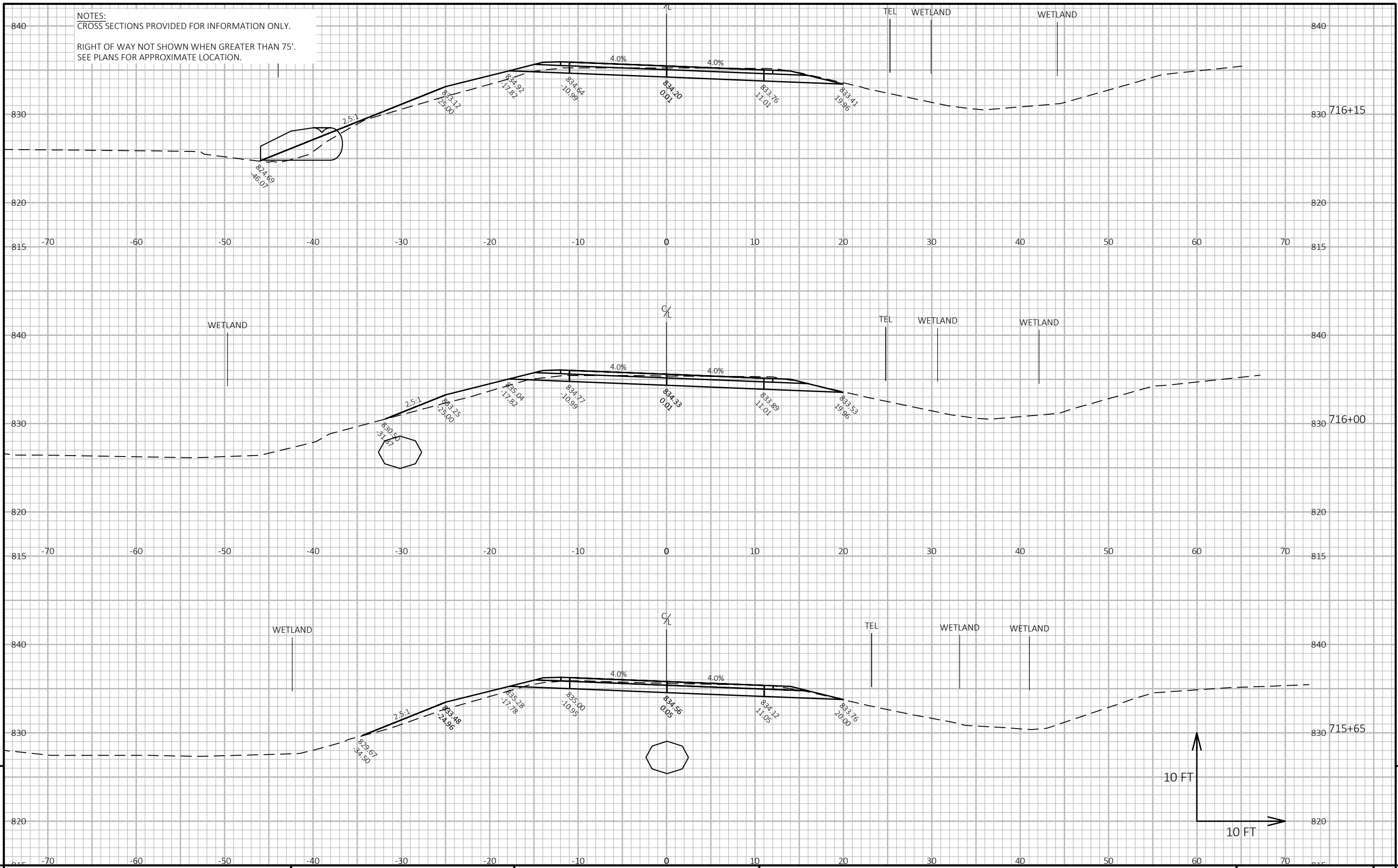
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	E
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 PLOT NAME :
 PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
 WISDOT/CADD SHEET 49

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
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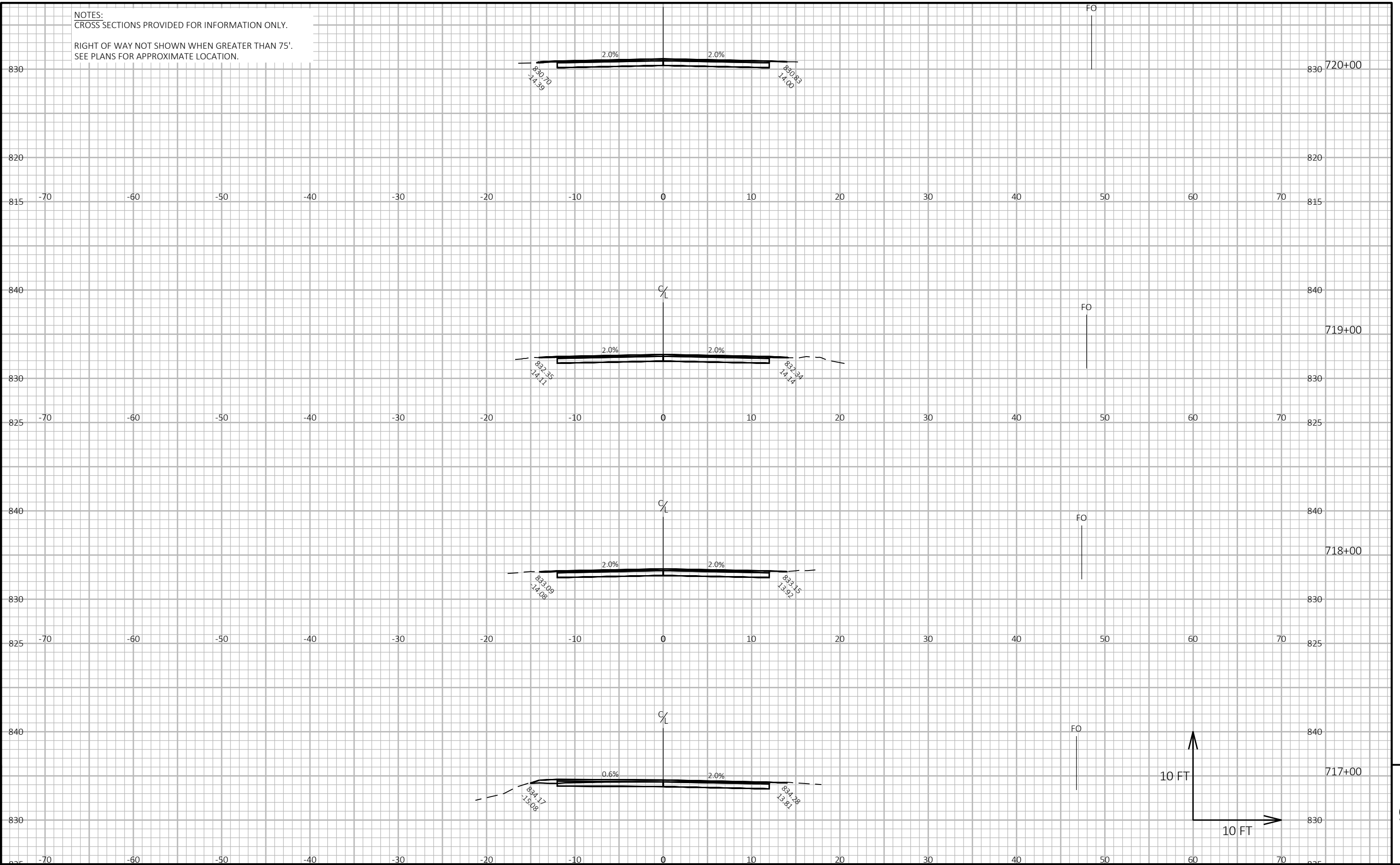
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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NOTES:
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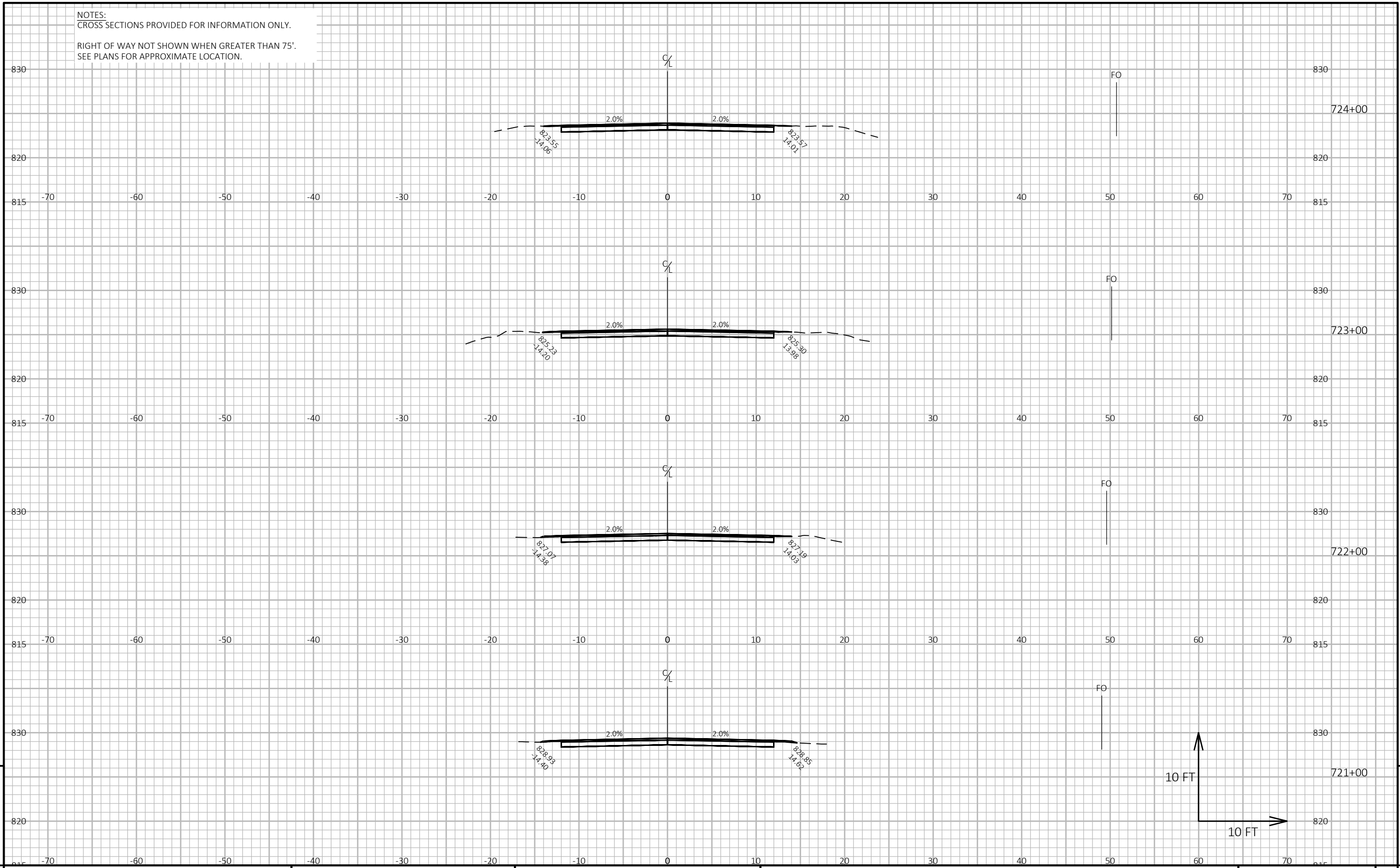
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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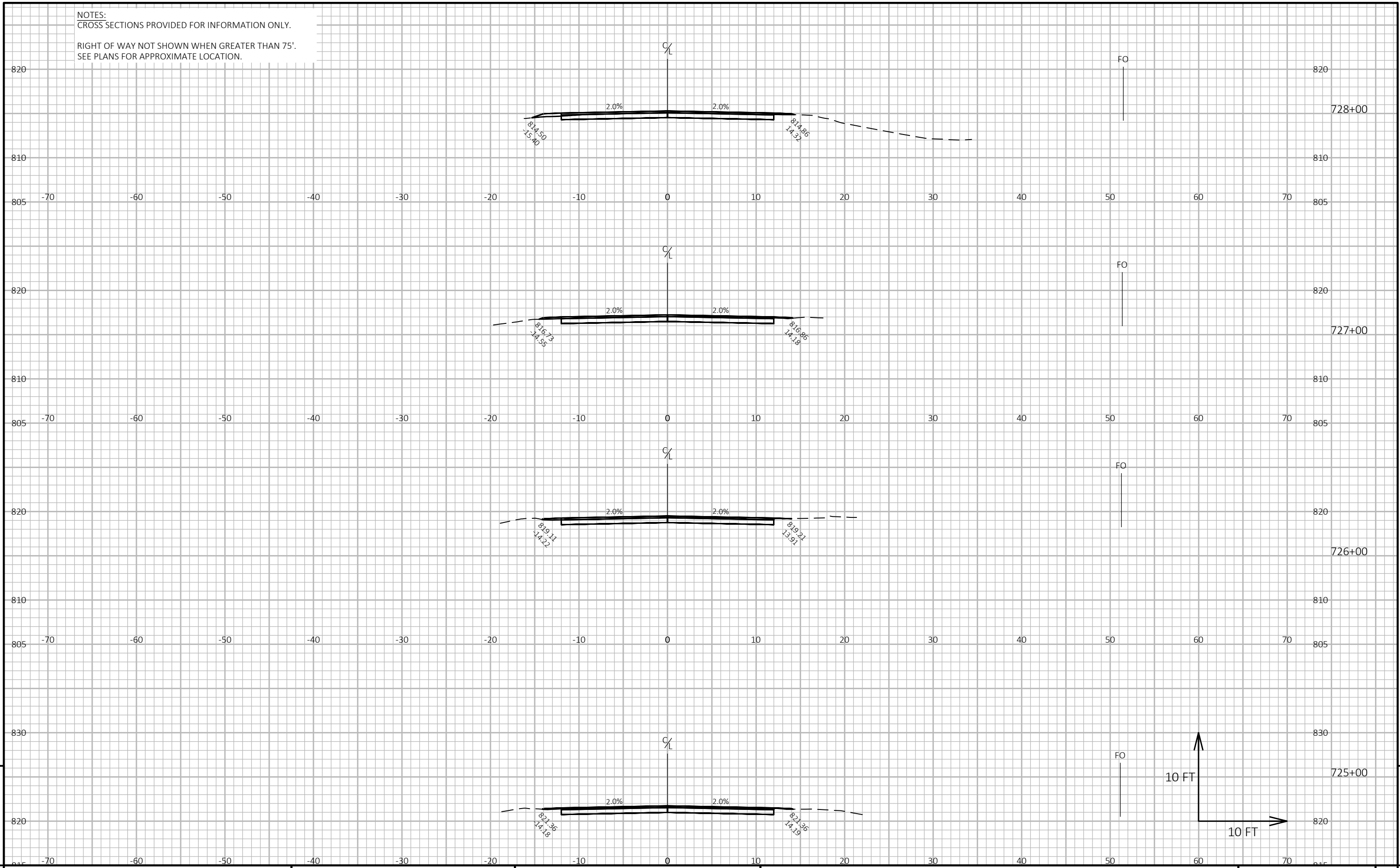
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LAYOUT NAME - 11

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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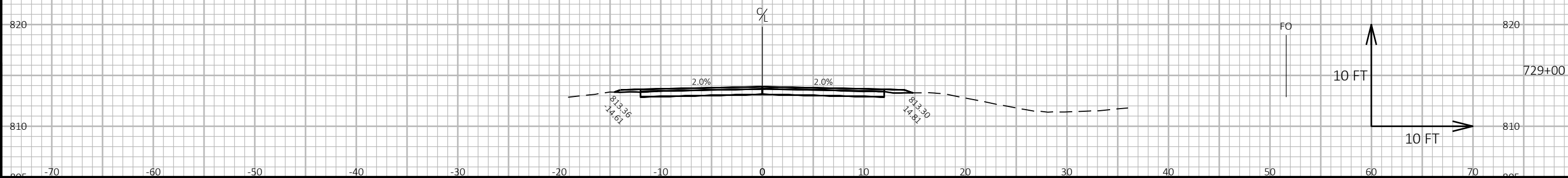
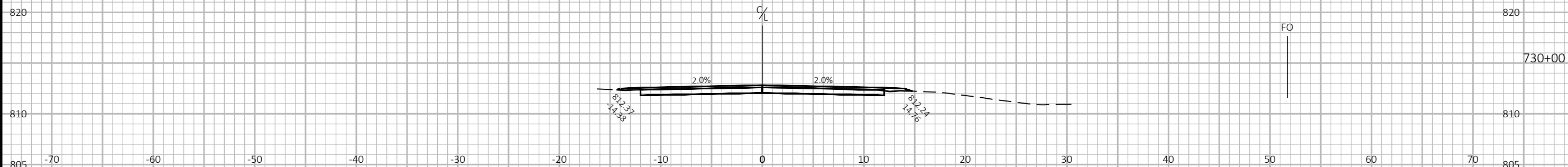
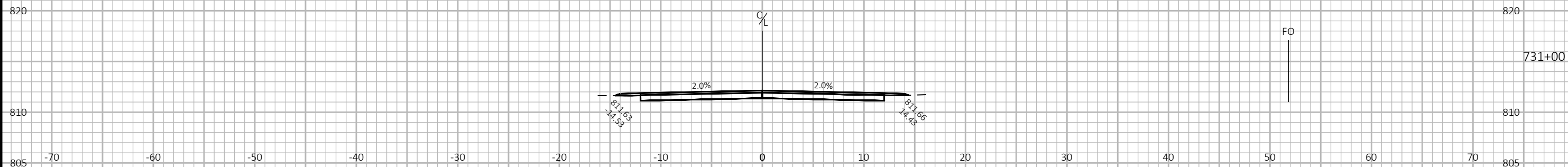
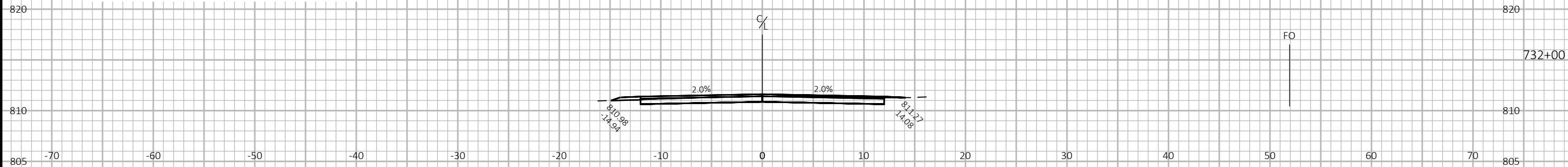
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 12

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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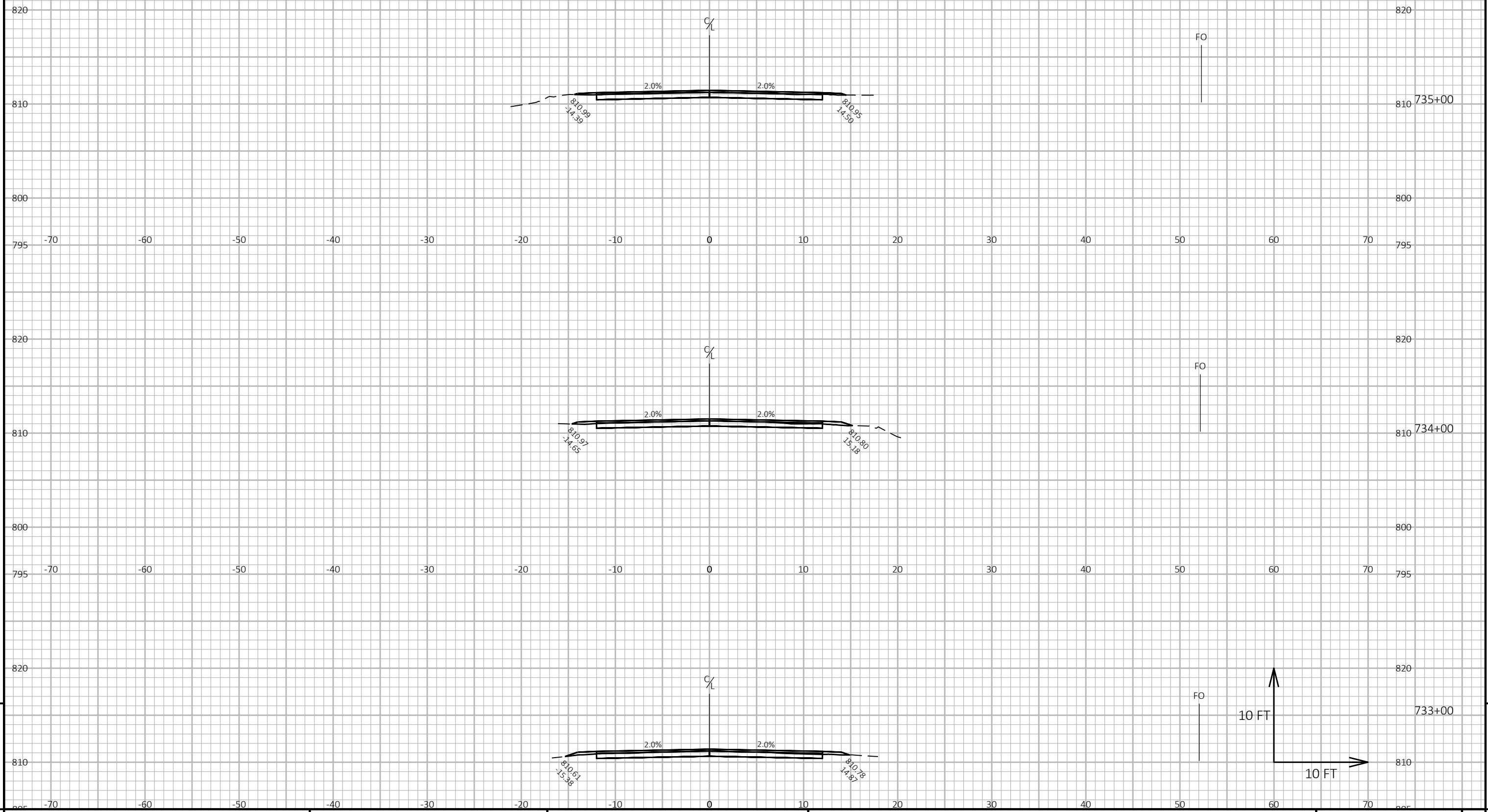
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LAYOUT NAME - 13

NOTES:
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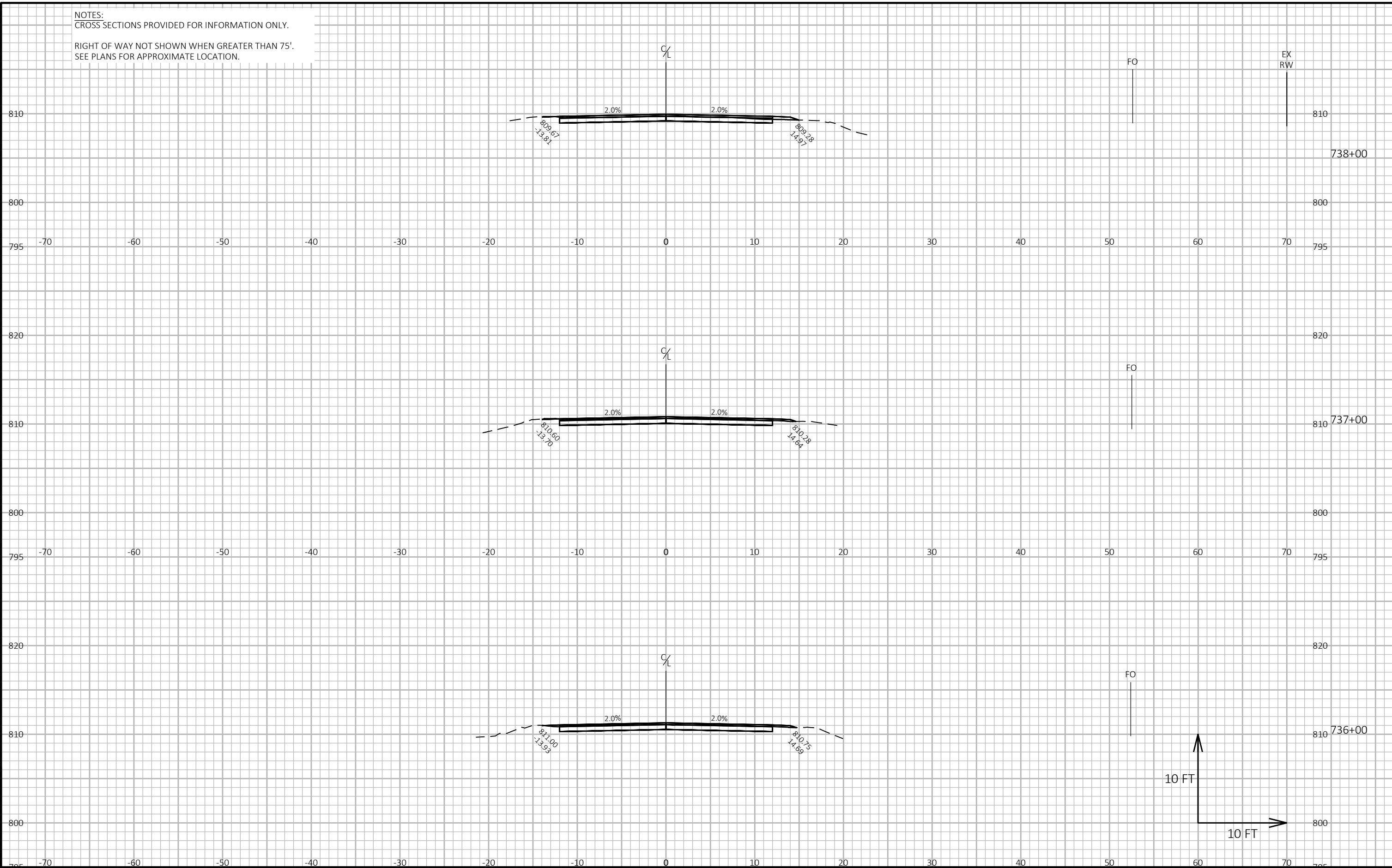
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NOTES:
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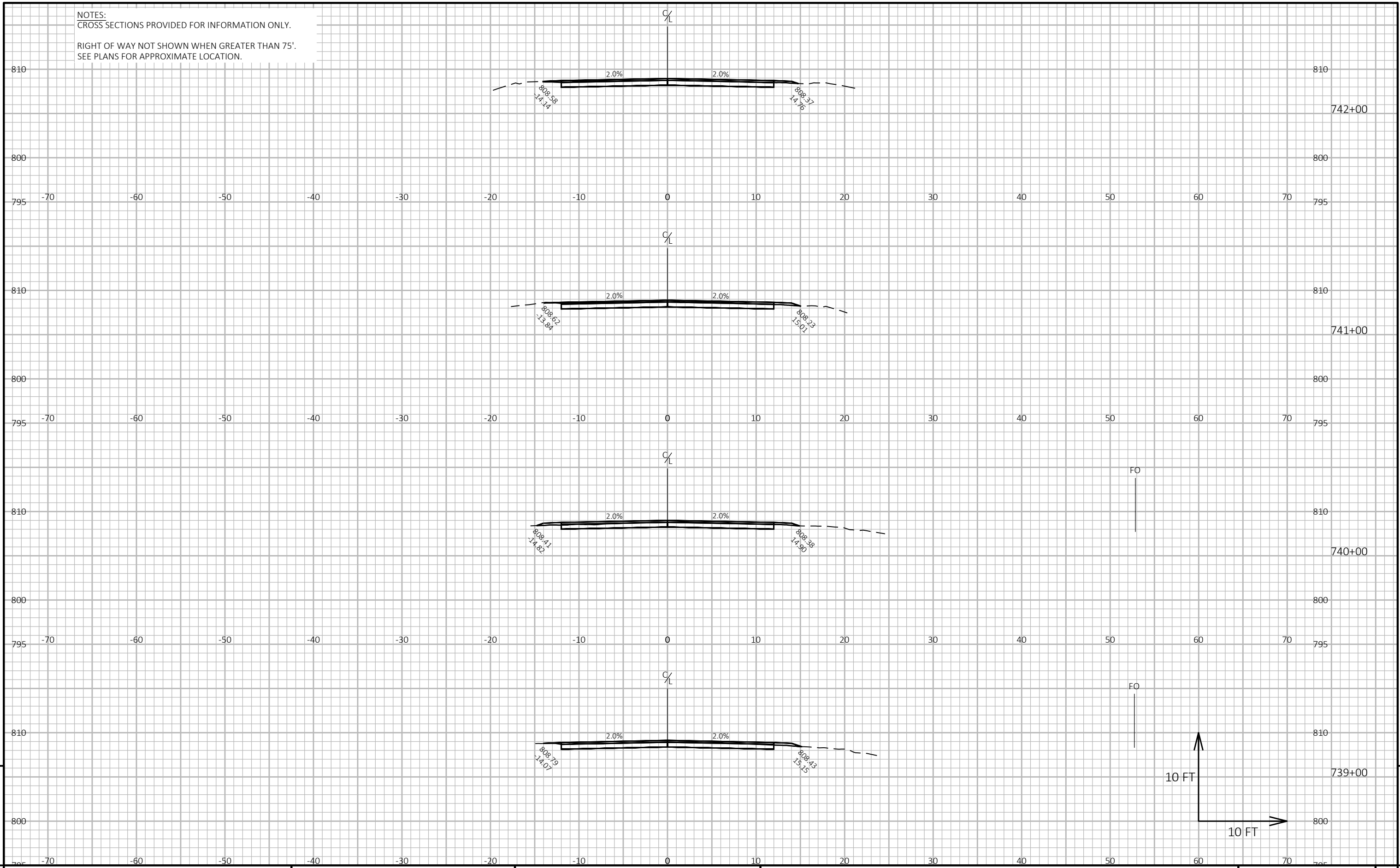
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NOTES:
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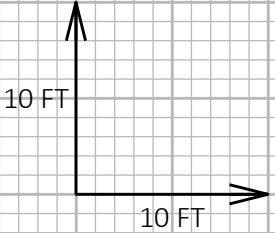
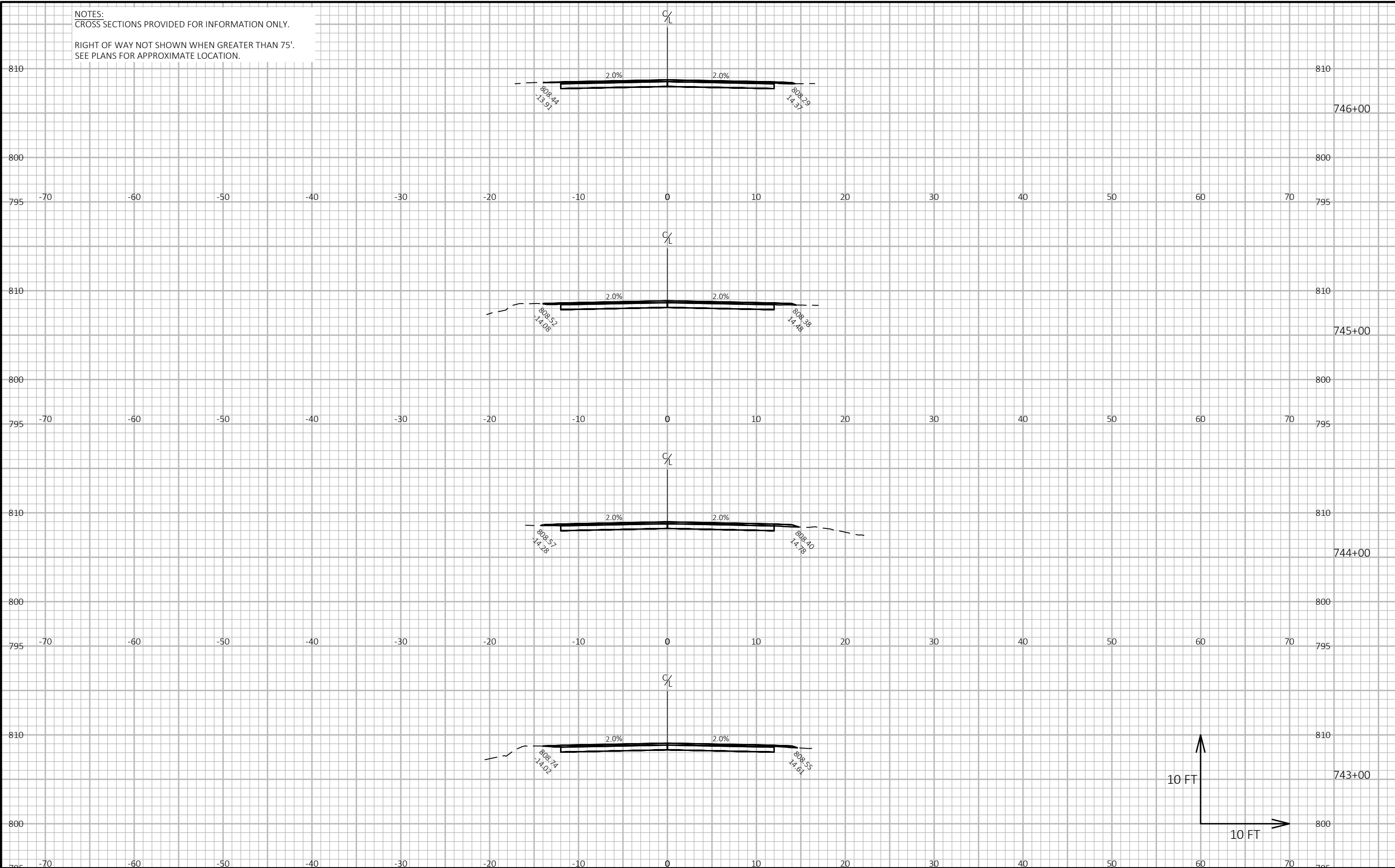
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LAYOUT NAME - 16

NOTES:
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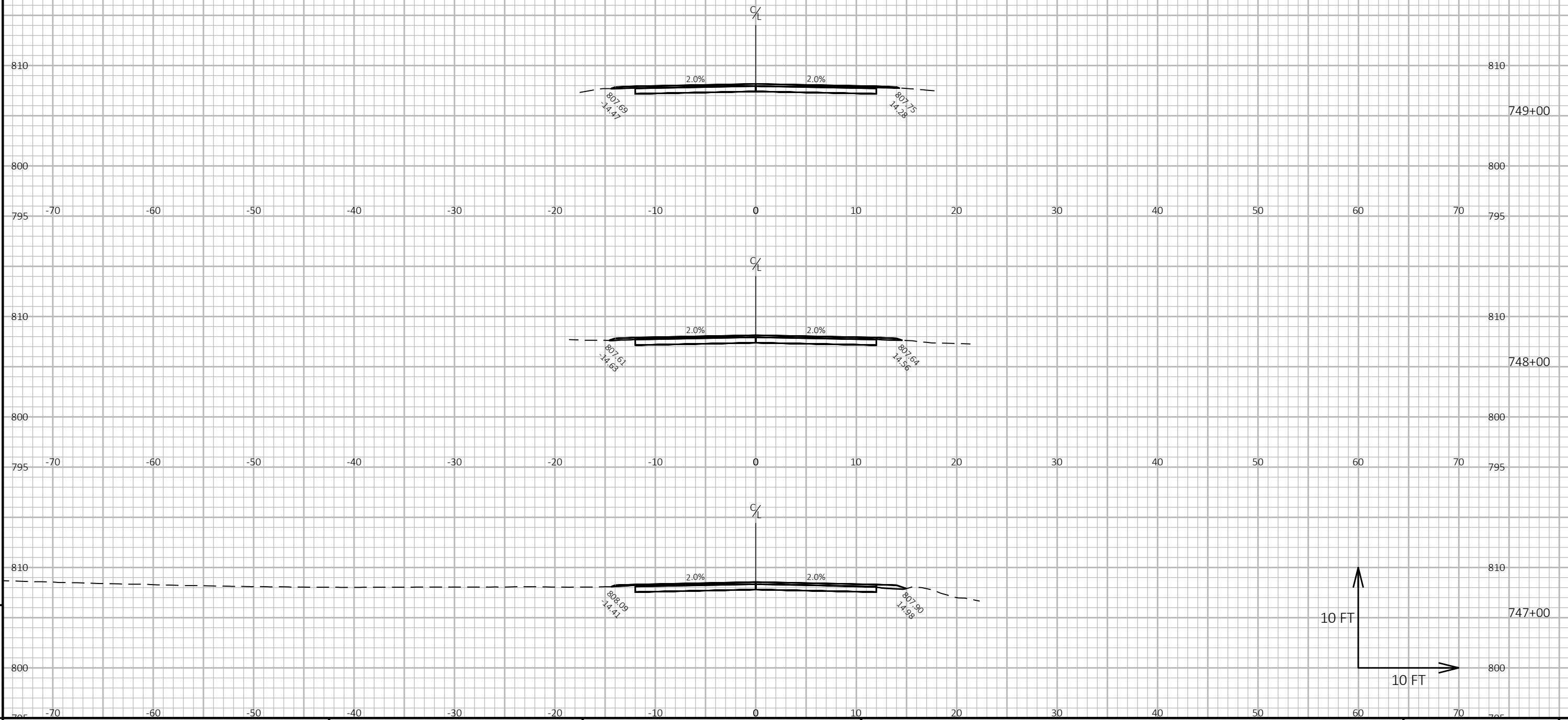


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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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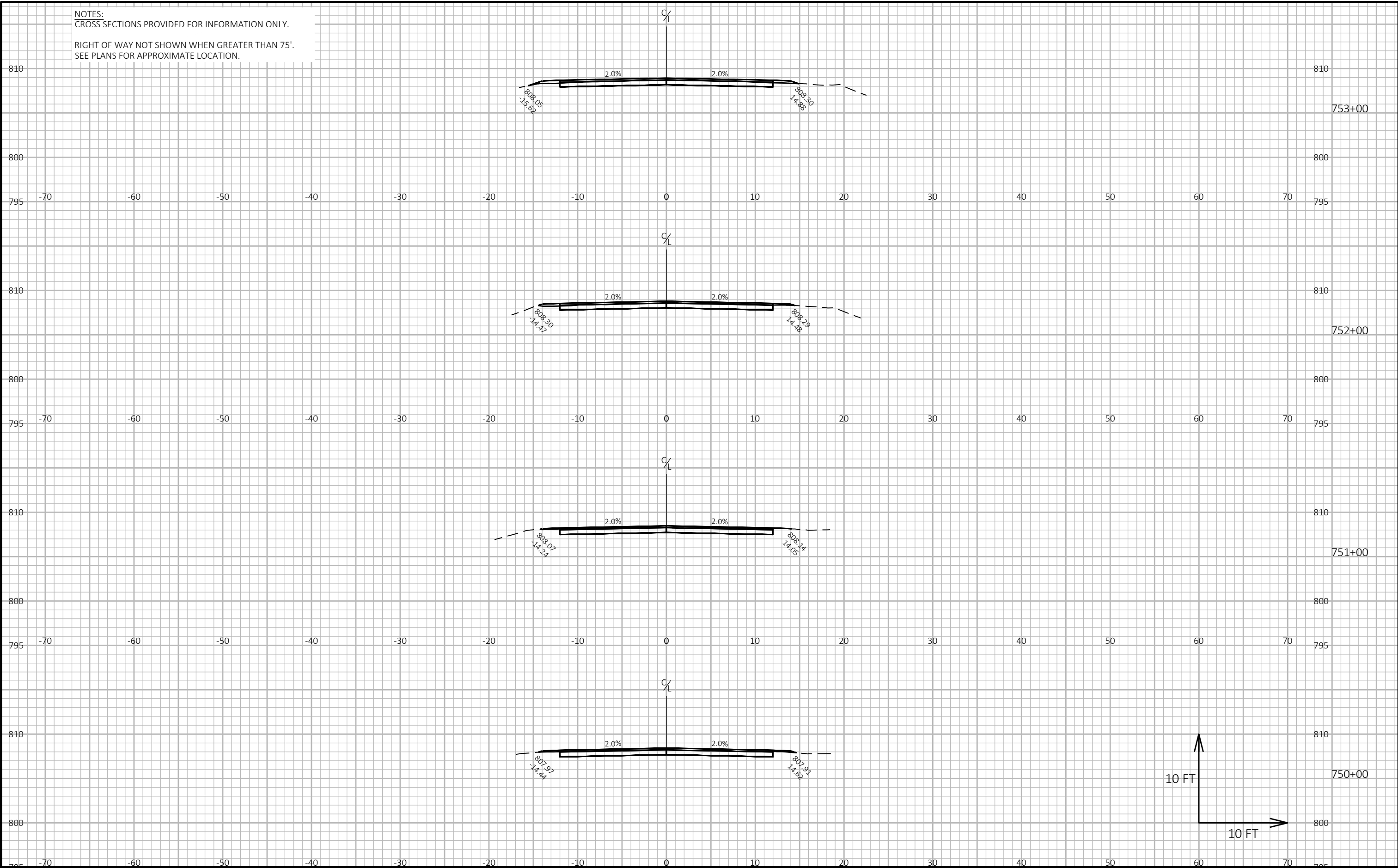


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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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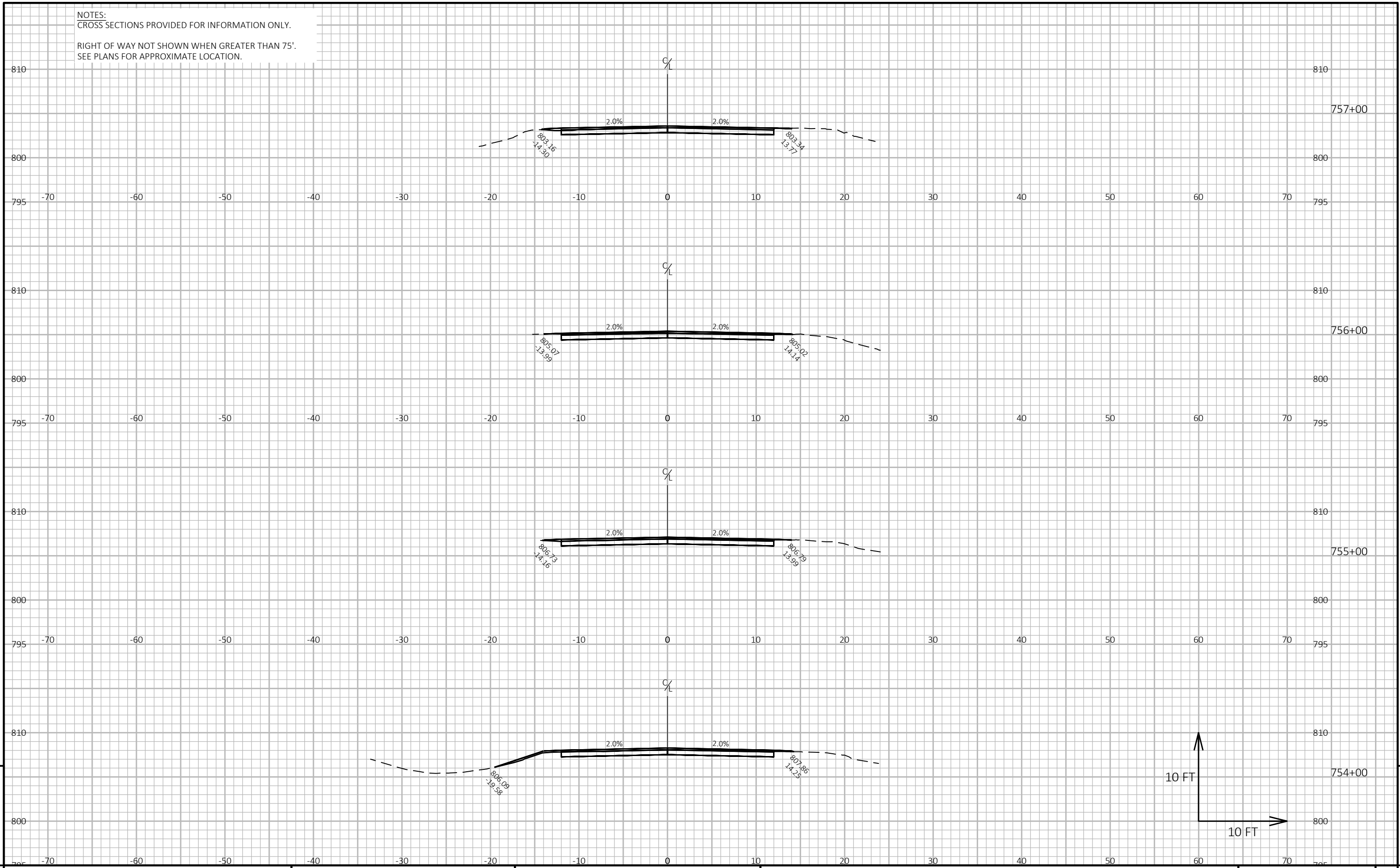
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET E
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 PLOT NAME :
 PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
 WISDOT/CADD SHEET 49

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
 SEE PLANS FOR APPROXIMATE LOCATION.



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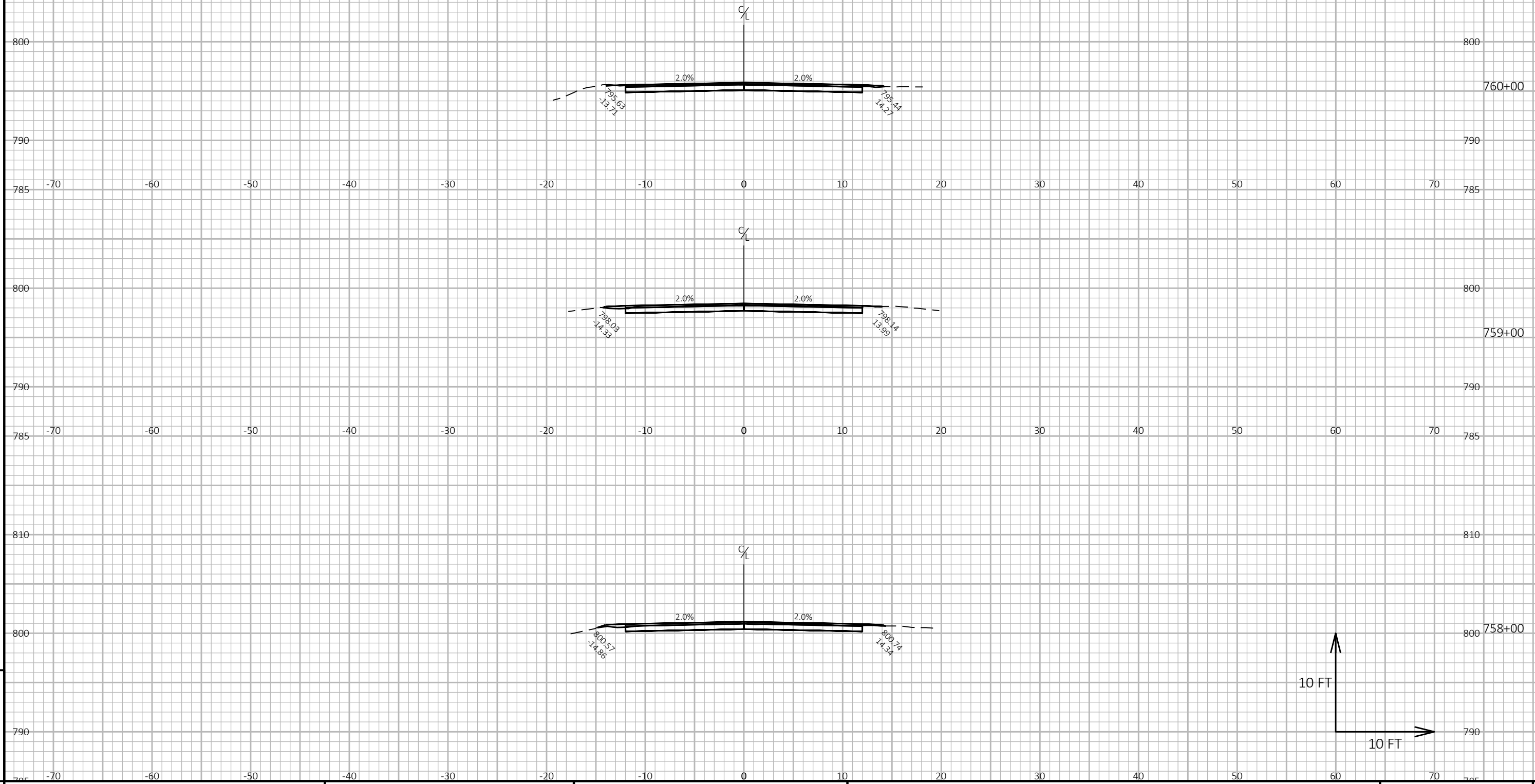
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LAYOUT NAME - 02

NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
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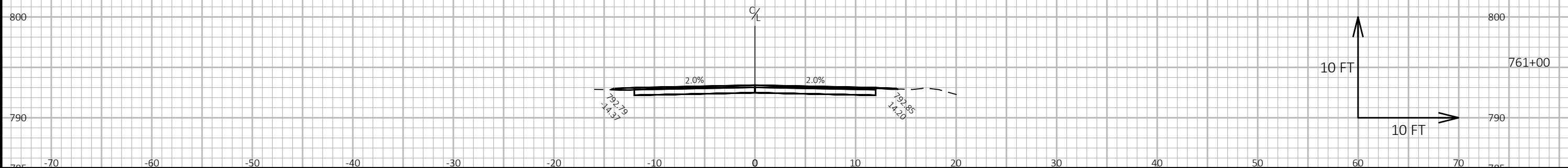
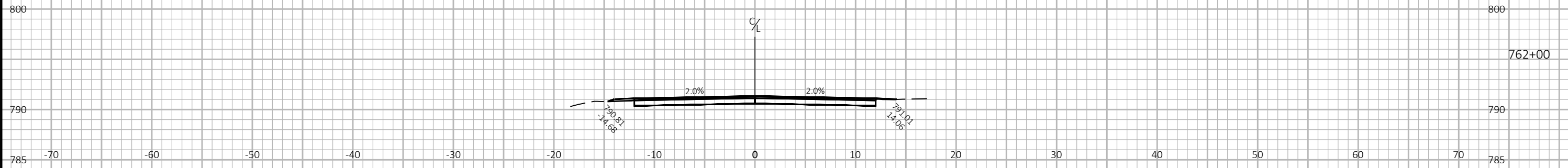
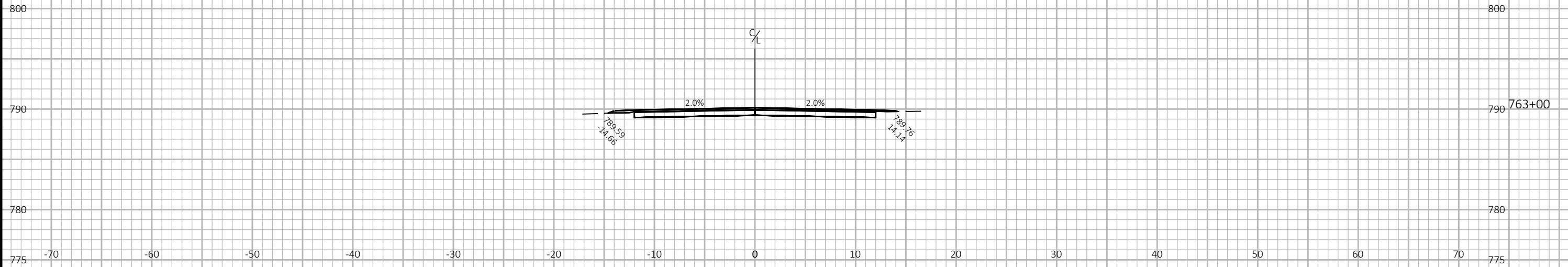
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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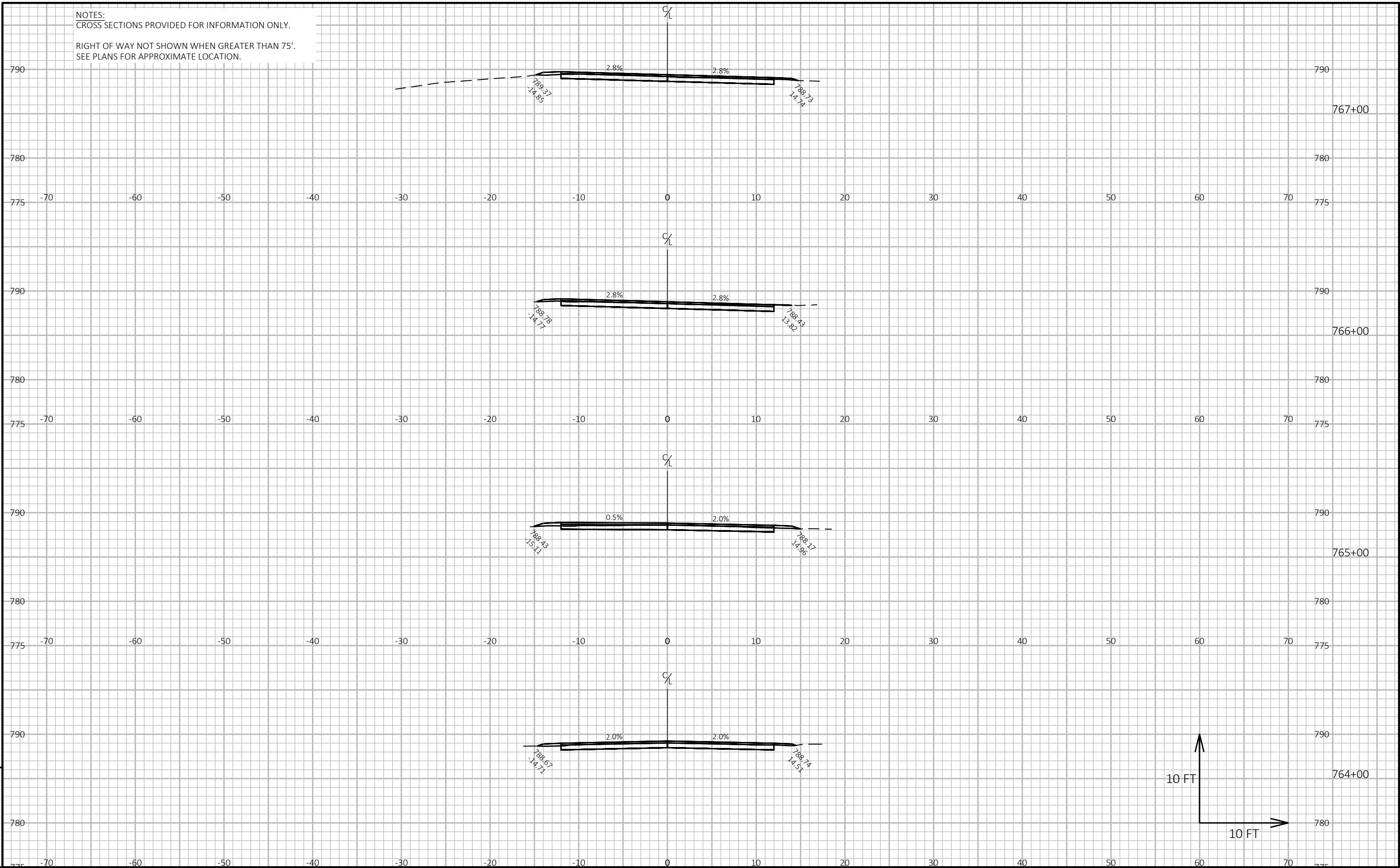
NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
 RIGHT OF WAY NOT SHOWN WHEN GREATER THAN 75'.
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NOTES:
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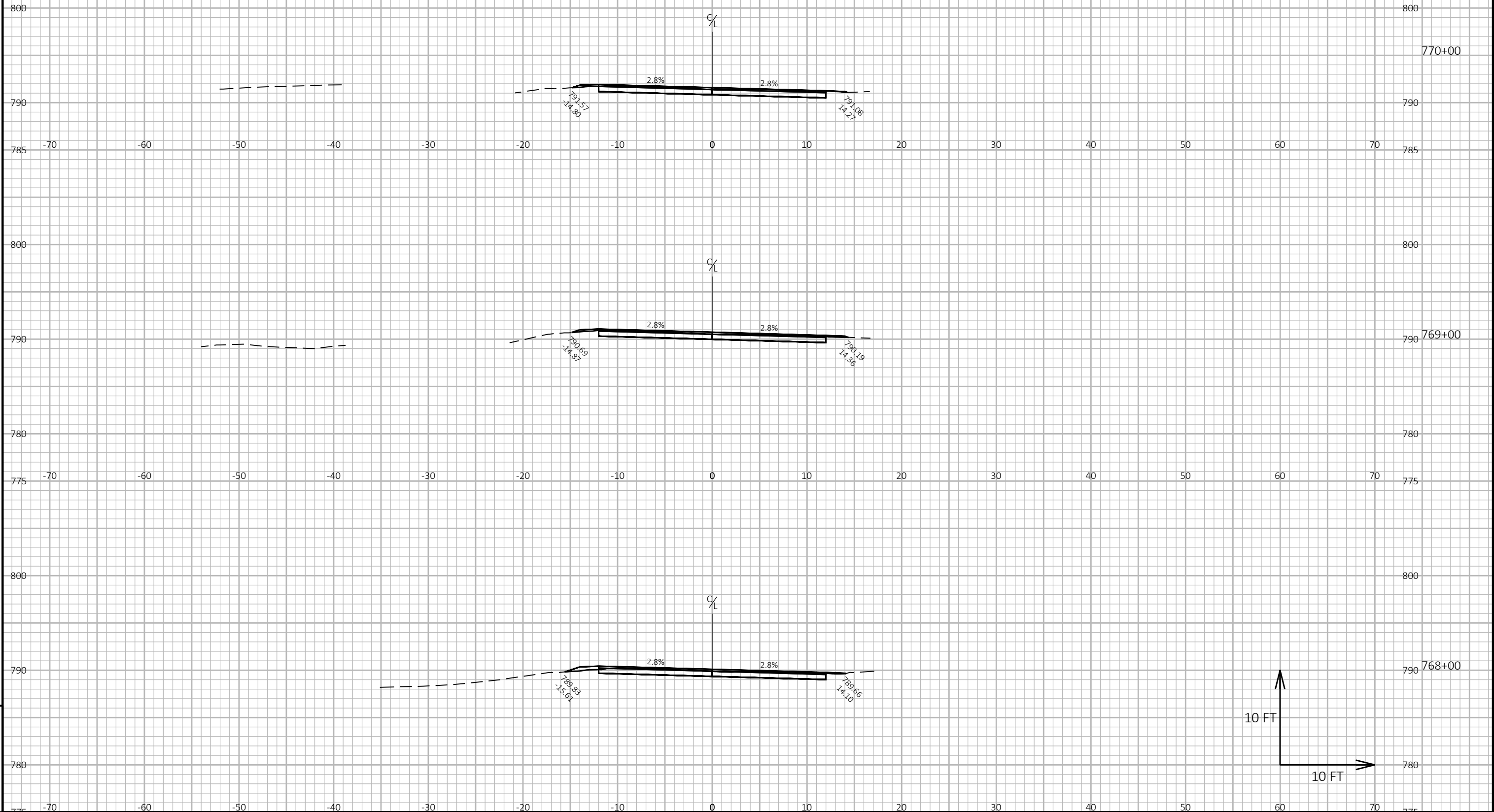
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET E
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NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
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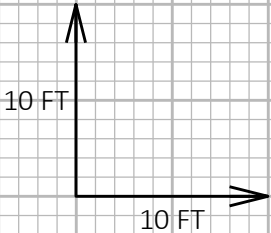
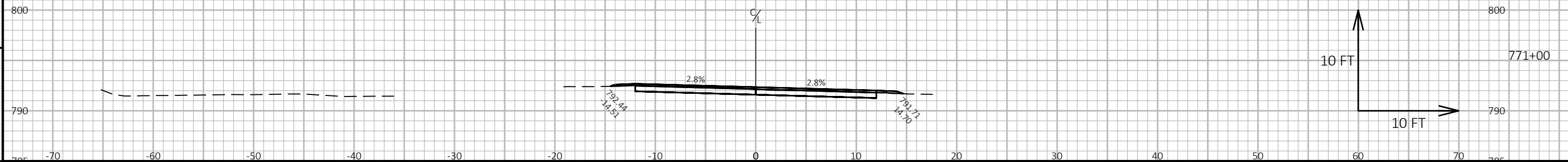
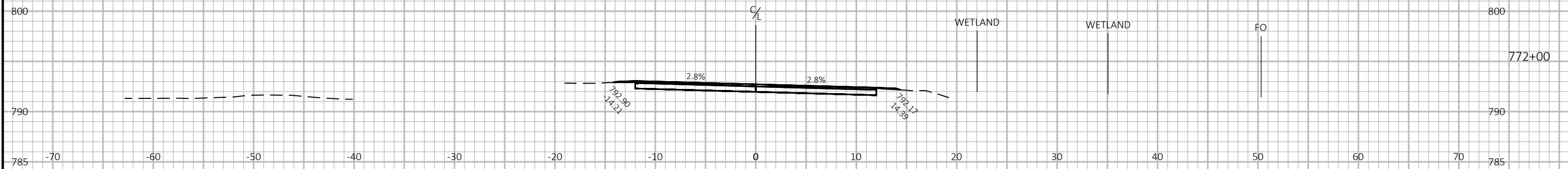
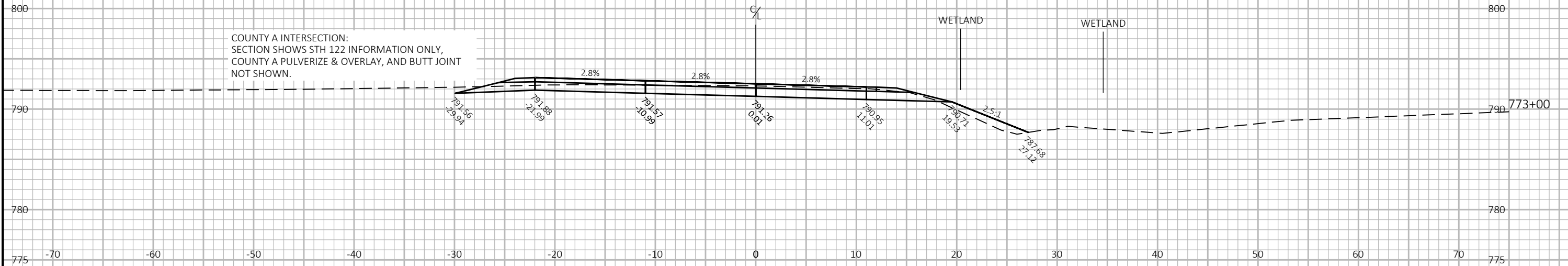
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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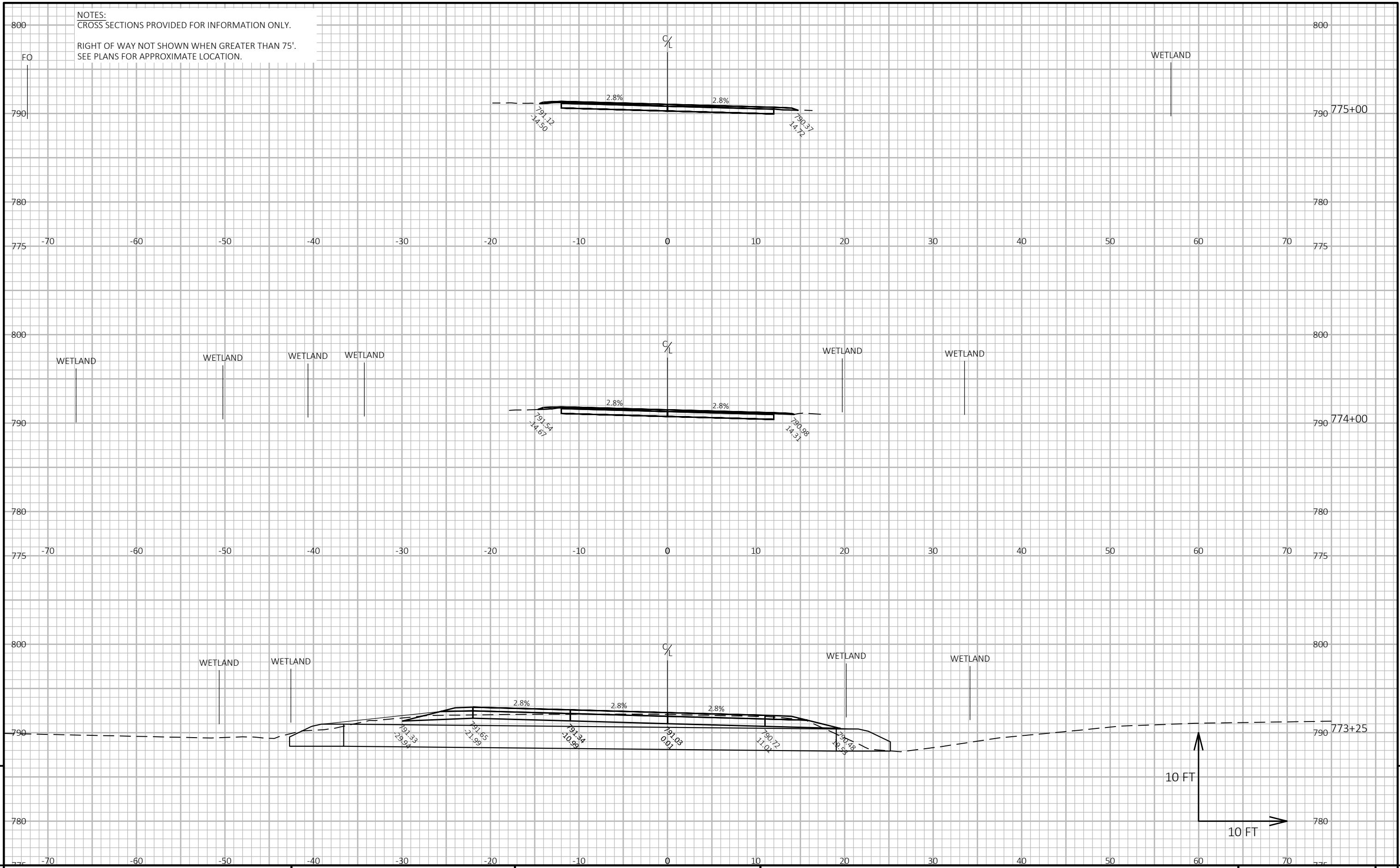
NOTES:
 CROSS SECTIONS PROVIDED FOR INFORMATION ONLY.
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 SEE PLANS FOR APPROXIMATE LOCATION.

COUNTY A INTERSECTION:
 SECTION SHOWS STH 122 INFORMATION ONLY,
 COUNTY A PULVERIZE & OVERLAY, AND BUTT JOINT
 NOT SHOWN.



PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

NOTES:
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PROJECT NO: 9303-03-72

HWY: STH 122

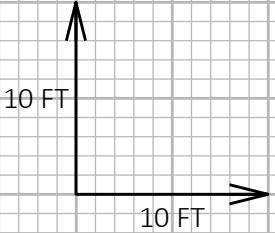
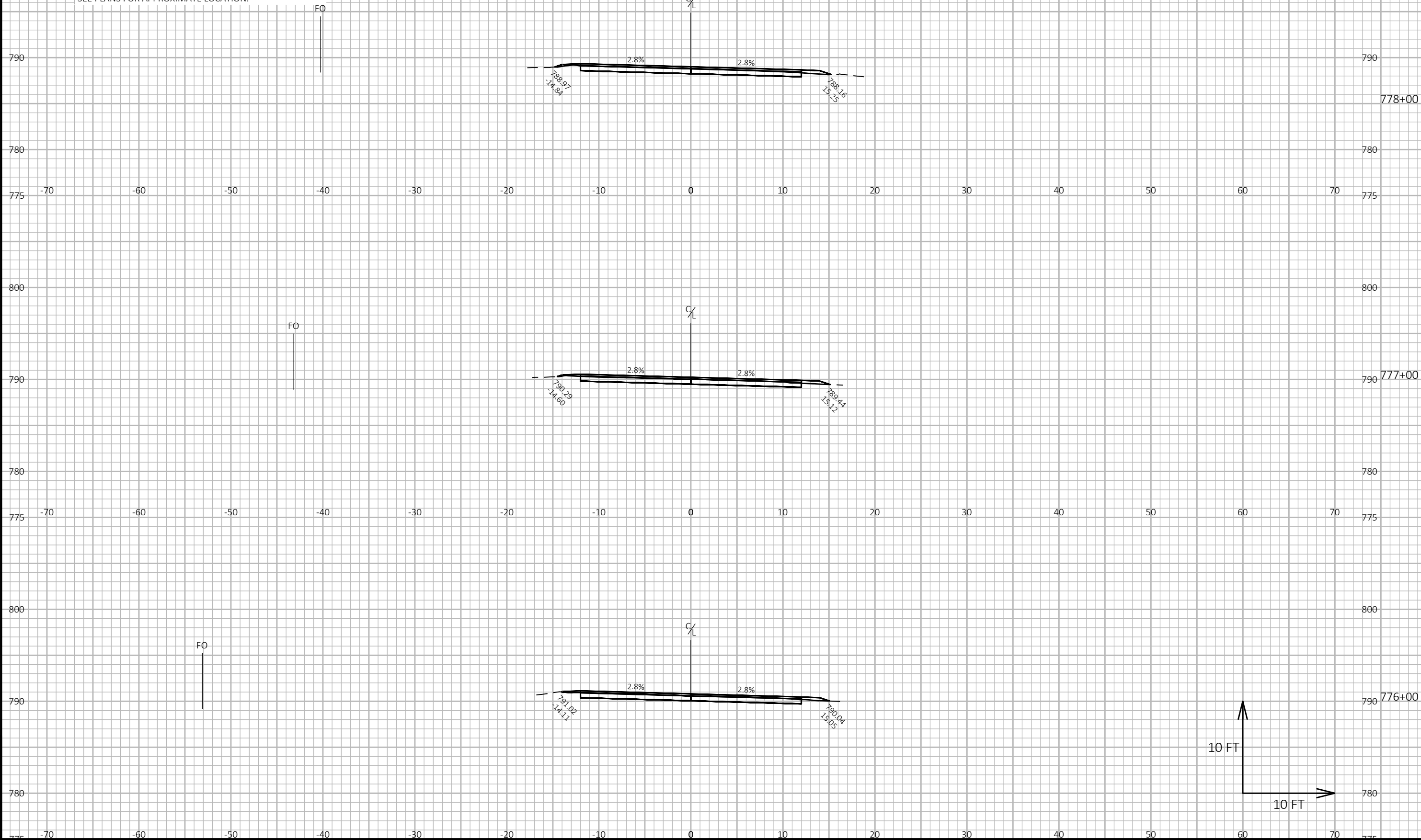
COUNTY: IRON

CROSS SECTIONS: PULVERIZE & RELAY

SHEET

E

NOTES:
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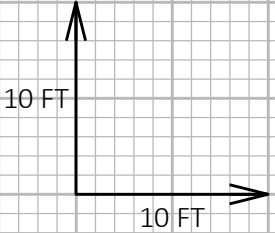
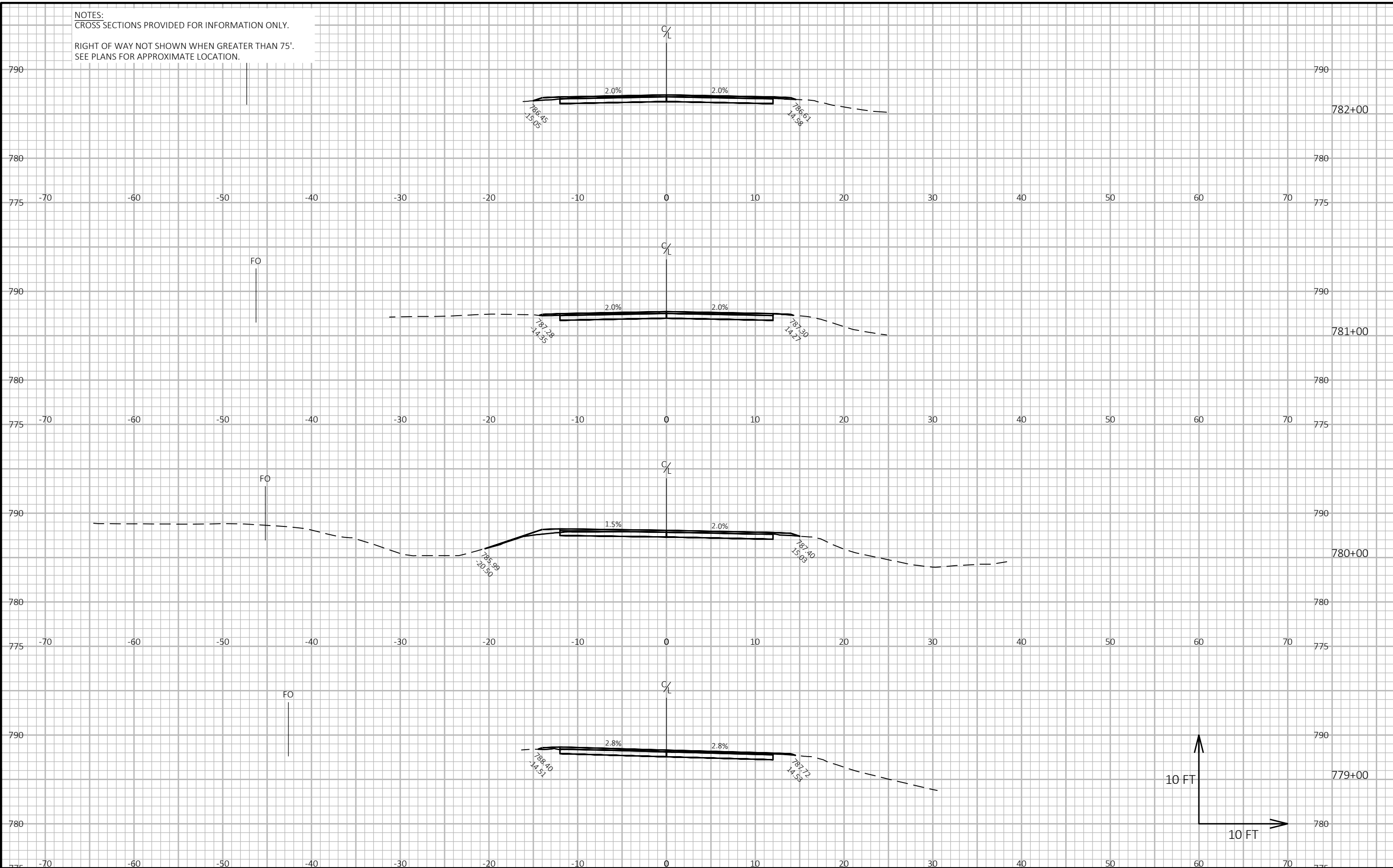
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	E
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 PLOT BY : WEIGAND, BEN
 PLOT NAME :
 PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
 WISDOT/CADD SHEET 49

NOTES:
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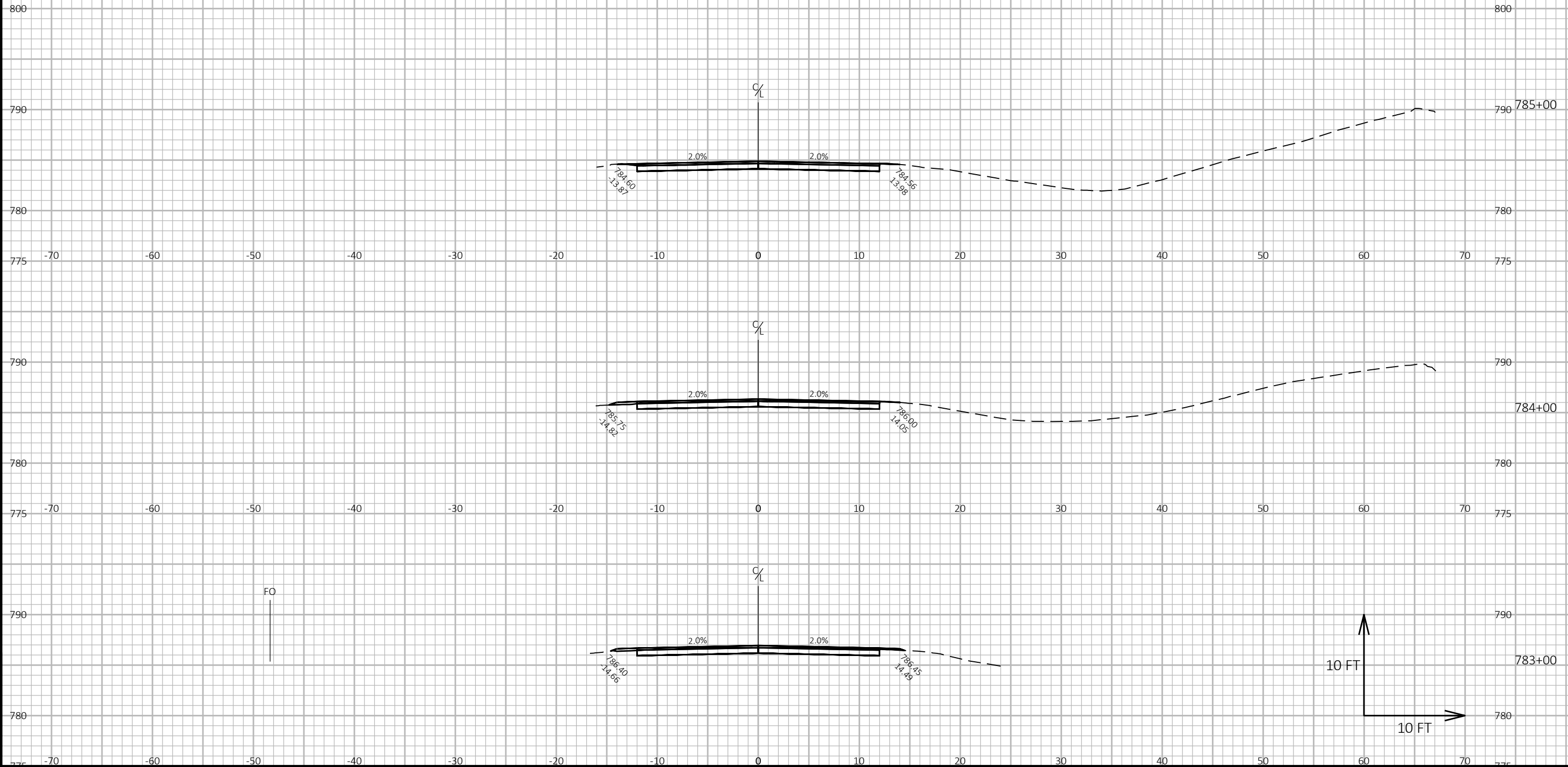


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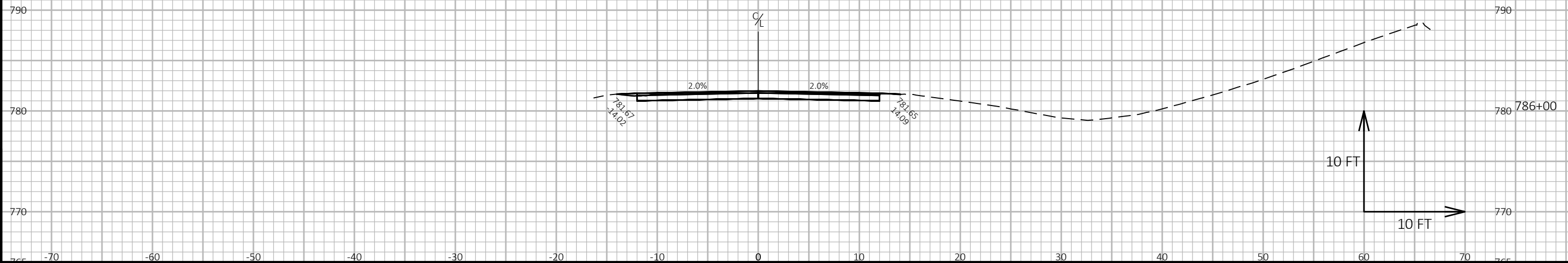
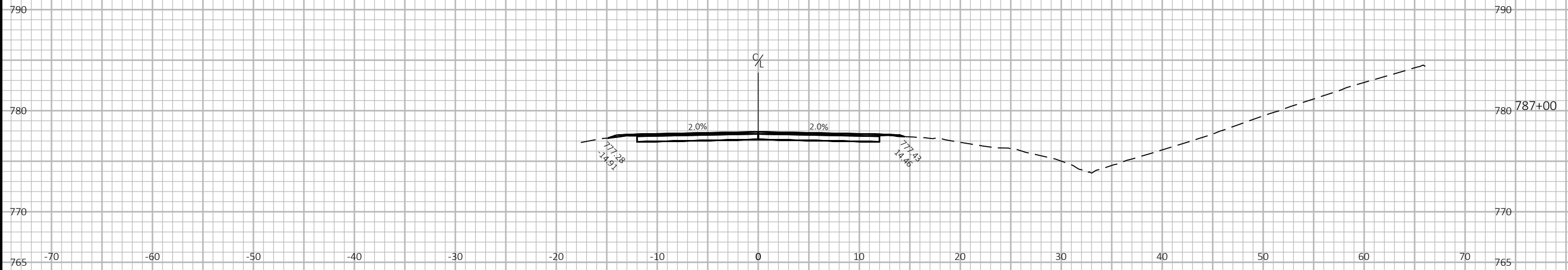
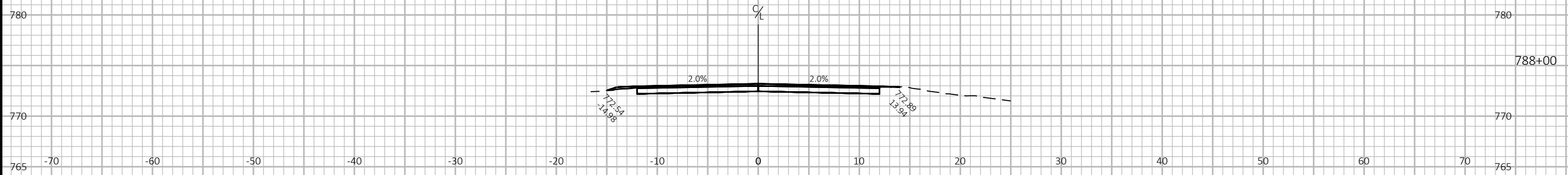
PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	E
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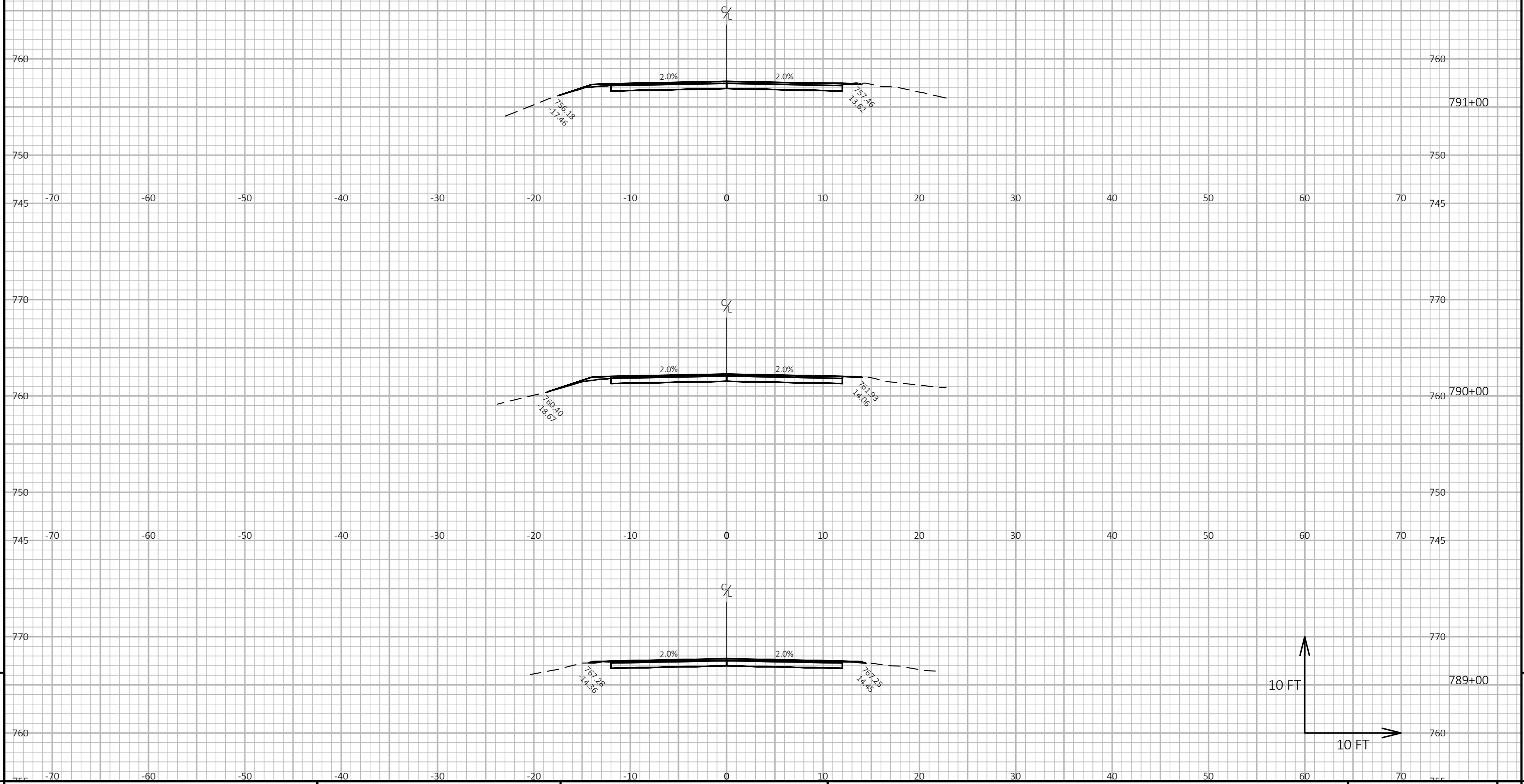
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET E
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 PLOT DATE : 9/15/2022 7:37 AM
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 PLOT NAME :
 PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.
 WISDOT/CADD SHEET 49

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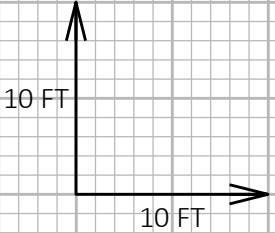
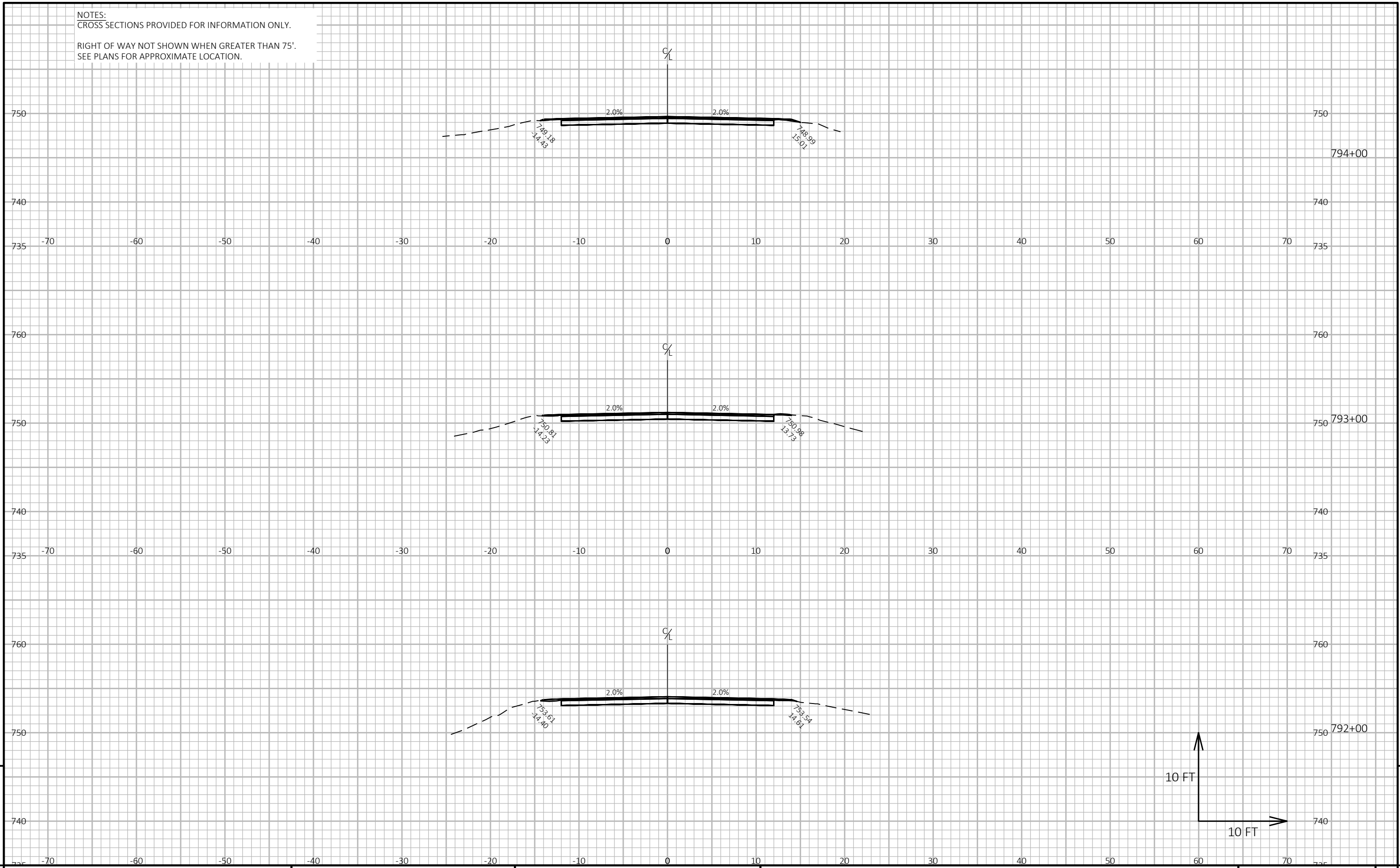
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LAYOUT NAME - 13

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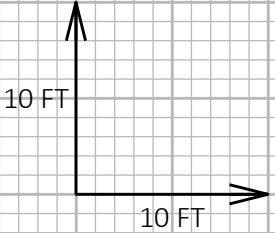
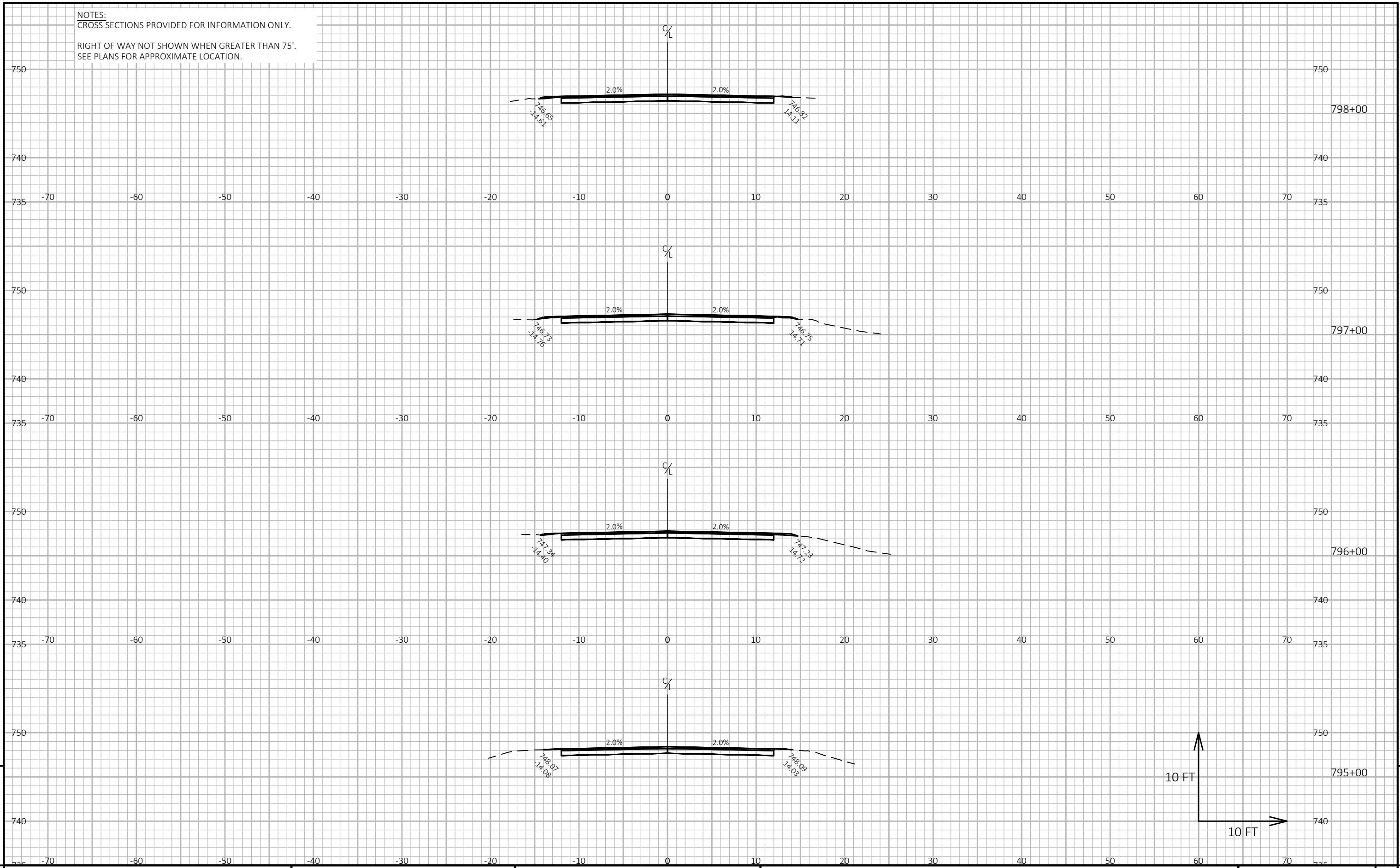
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LAYOUT NAME - 14

NOTES:
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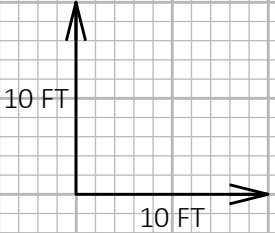
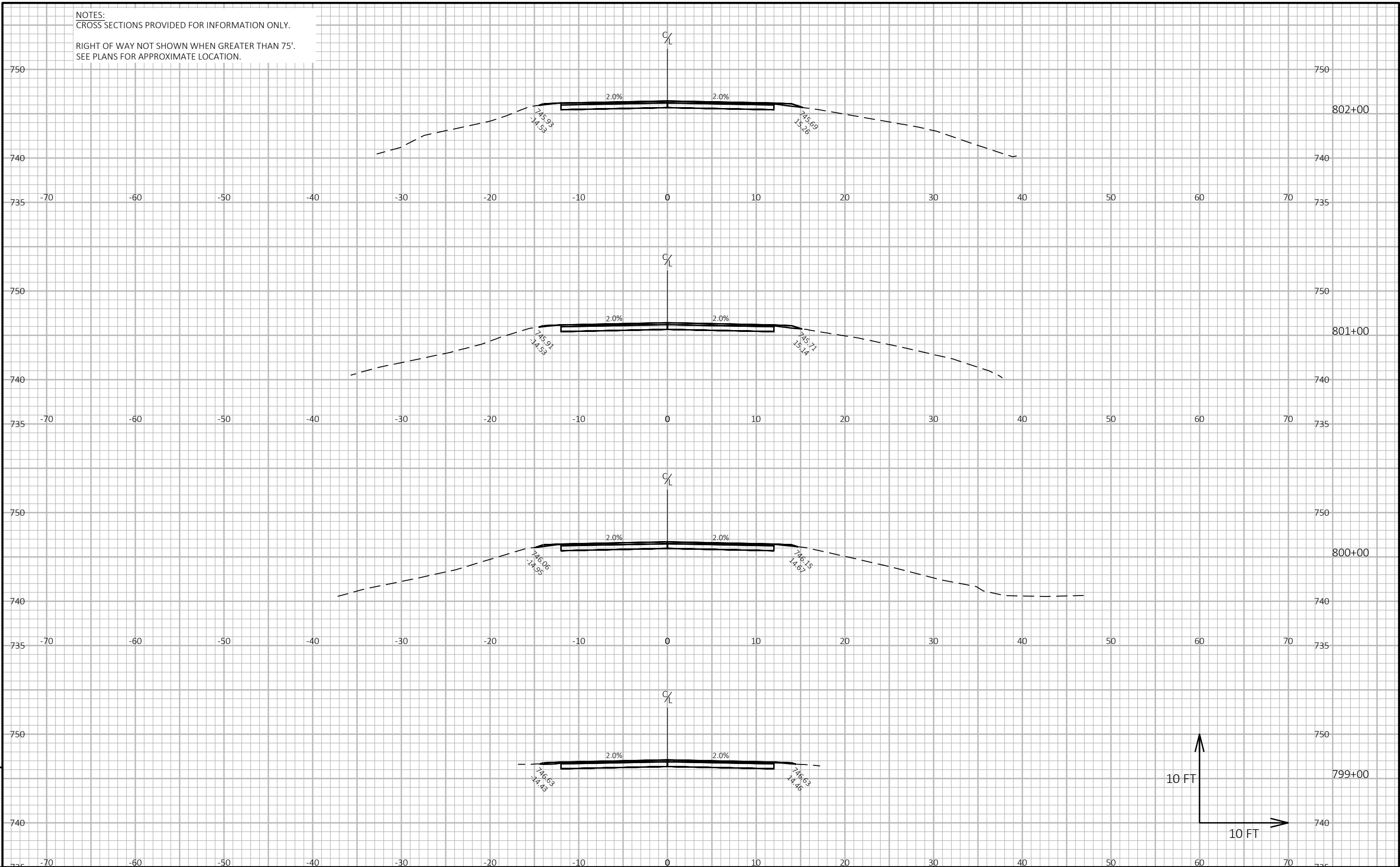
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PROJECT NO: 9303-03-72	HWY: STH 122	COUNTY: IRON	CROSS SECTIONS: PULVERIZE & RELAY	SHEET	E
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LAYOUT NAME - 15

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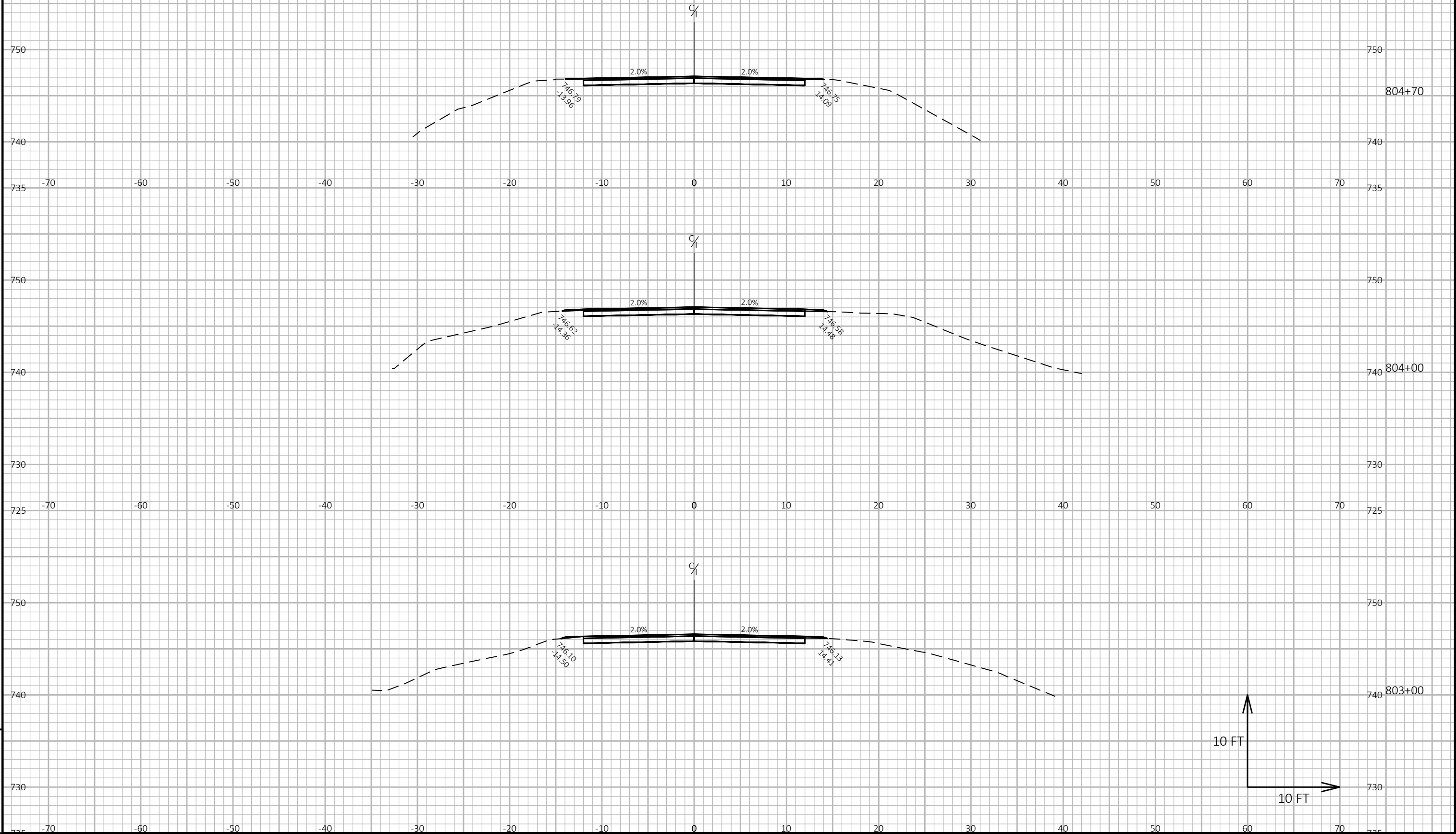
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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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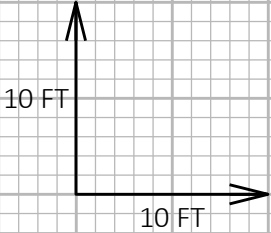
LAYOUT NAME - 16

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PROJECT NO: 9303-03-72 HWY: STH 122 COUNTY: IRON CROSS SECTIONS: PULVERIZE & RELAY SHEET E

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LAYOUT NAME - 17

Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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