

PROJECT
WITH: N/A

6340-00-74

COUNTY:

WOOD/PORTAGE

Section No.	1	Title
Section No.	2	Typical Sections and Details (Includes Erosion Control 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

A map of Wisconsin divided into its 9 counties. Oneida County, located in the central-eastern part of the state, is shaded with a cross-hatch pattern. To the left of the map, the number '23' is printed in a large, bold, black font.

A.A.D.T.	(2025)	=	3,800
A.A.D.T.	(2045)	=	4,400
D.H.V.	(2045)	=	20.1
D.D.	(2045)	=	60/40
T.		=	24.0%
DESIGN SPEED		=	50-60 MPH
ESALS		=	2,100,000

<u>PLAN</u>	
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

E
FO
G
SAN
SS
T
W
⊗
⊠
⊙

PLAN OF PROPOSED IMPROVEMENT

2ND STREET NORTH TO CTH P

STH 13

WOOD AND PORTAGE COUNTIES

6340-00-74

BEGIN PROJECT
STA 352+50.00
X = 104687.74
Y = 194138.60

LAYOUT

SCALE  2 MI

TOTAL NET LENGTH OF CENTERLINE = 6.460

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), PORTAGE 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 PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6340-00-74		



STRAND ASSOCIATES®
910 WEST WINGRA DRIVE
MADISON, WISCONSIN 53715
(608) 251-4843



PREPARED BY	
Surveyor	<u>WISDOT NORTH CENTRAL REGION</u>
Designer	<u>STRAND ASSOCIATES, INC.</u>
Project Manager	<u>ELLE MILLER, P.E.</u>
Regional Examiner	<u>FRED SCHUNKE, P.E.</u>
Regional Supervisor	<u>NICHOLE LYSNE, P.E.</u>

APPROVED FOR THE DEPARTMENT

DATE: 4/29/25 
(Signature)

1

PLOT NAME :

GENERAL NOTES

THE CENTERLINE OF STH 13 IS APPROXIMATELY THE MAINLINE REFERENCE LINE.

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.

REVIEW ALL SIGN LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.

ALL EXISTING SIGNS SHALL REMAIN IN PLACE UNLESS THE ENGINEER APPROVES THEIR REMOVAL. ANY SIGNS REMOVED DUE TO CONTRACTOR MEANS AND METHODS SHALL BE REPLACED BY THE CONTRACTOR AT THEIR EXPENSE.

RUNOFF COEFFICIENT TABLE

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

TOTAL PROJECT AREA = 92.3 ACRES

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 42.1 ACRES

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- STORM SEWER
- EROSION CONTROL
- PERMANENT SIGNING PLAN
- DETOUR PLAN
- ALIGNMENT DETAILS

UTILITIES CONTACTS

DOUG VOSBERG
ATC MANAGEMENT, INC. - ELECTRICITY-TRANSMISSION
2489 RINDEN ROAD
COTTAGE GROVE, WI 53527
PHONE: (608) 877-7650
EMAIL: DVOSBERG@ATCLLC.COM
EMAIL: DL-ATCDOTNOTIFICATIONS@ATCLLC.COM

MICHAEL PEETERS
ALLIANT ENERGY - ELECTRICITY
2710 JEFFERSON STREET
WISCONSIN RAPIDS, WI 54495
PHONE: (715) 424-7039
EMAIL: WPLROADPLANS@ALLIANTENERGY.COM
EMAIL: MICHAELPEETERS@ALLIANTENERGY.COM

CODY NELSEN
FLINT HILLS RESOURCES, LC - GAS/PETROLEUM
E 3660 SPRUCE ROAD
ELEVA, WI 54738
PHONE: (715) 286-0002
EMAIL: CODY.NELSEN@FHR.COM

DENNIS PIERCE
SOLARUS - COMMUNICATION LINE
440 E GRAND AVE
P.O. BOX 8045
WISCONSIN RAPIDS, WI 54494
PHONE: (715) 421-8172
EMAIL: PIERCE@SOLARUS.NET

ALAN ZARECKI
SPECTRUM - COMMUNICATION LINE
1201 MCCANN DRIVE
ALTOONA, WI 54720
PHONE: (715) 214-1175
EMAIL: CHTR_WI_CONST@CHARTER.COM

TDS TELECOM OSP
TDS TELECOM - COMMUNICATION LINE
525 JUNCTION ROAD
MADISON, WI 53717
PHONE: (608) 664-0132
EMAIL: TDSTELECOMOSP@TDSTELECOM.COM

KEVIN WHIPPLE
VILLAGE OF RUDOLPH - SEWER
1580 MAIN STREET
RUDOLPH, WI 54475-0007
PHONE: (715) 435-4444
EMAIL: RTRIBE@WCTC.NET

LARRY KOCH
WE ENERGIES - GAS/PETROLEUM
1921 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
PHONE: (715) 421-7249
EMAIL: WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

LORI KETTER
WINDSTREAM KDL, LLC - COMMUNICATION LINE
969 WAUBE LANE
GREEN BAY, WI 54304
PHONE: (920) 410-6902
EMAIL: LORI.KETTER@WINDSTREAM.COM

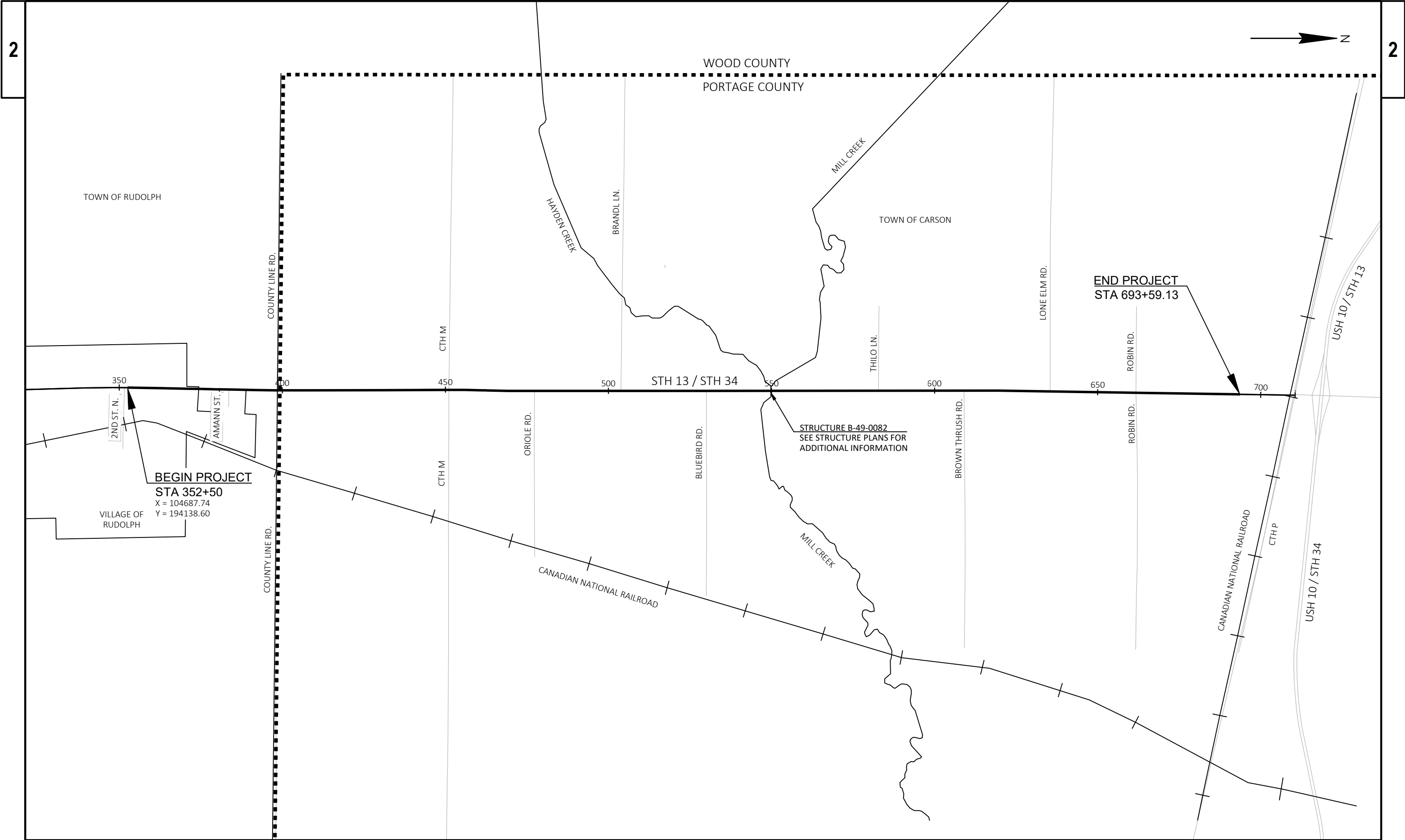


Dial  or (800)242-8511

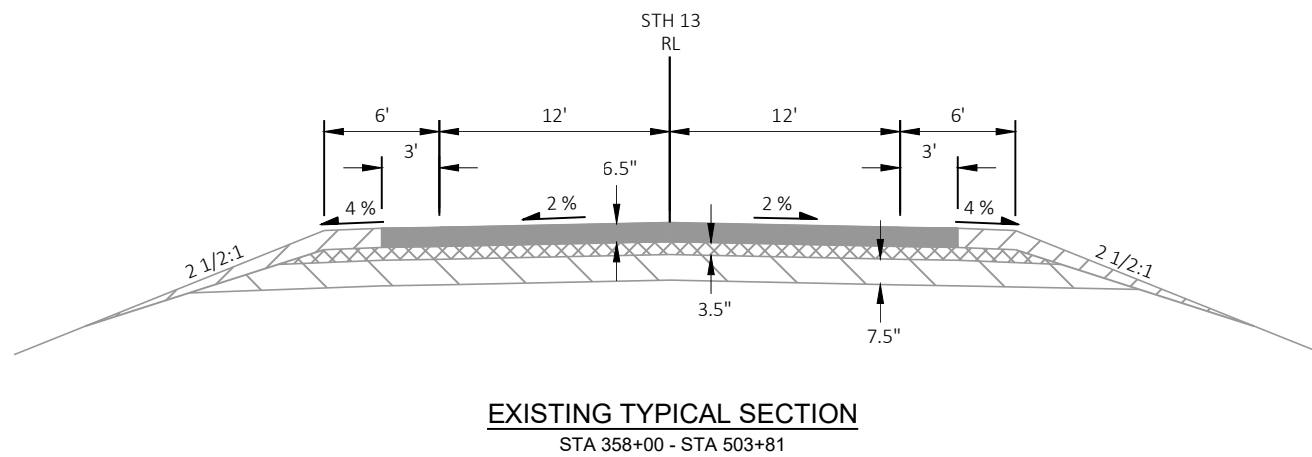
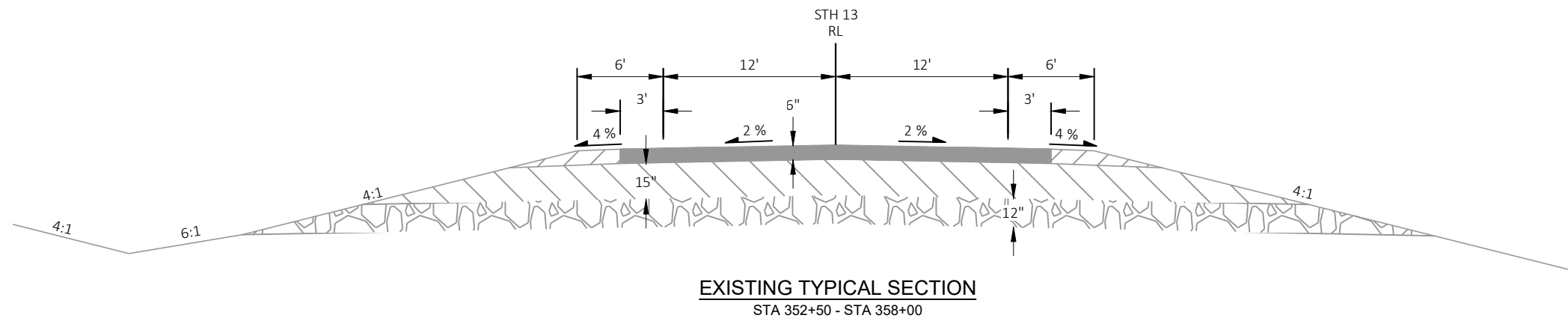
www.DiggersHotline.com

DNR LIAISON

JAY SCHIEFELBEIN
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
NORTHEAST REGION HEADQUARTERS
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
PHONE: (920) 360-3784
JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV



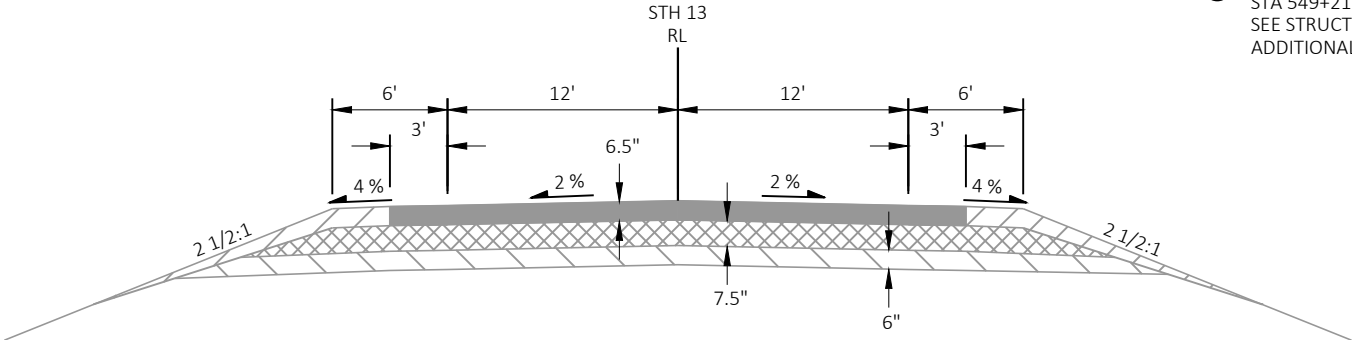
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	PROJECT OVERVIEW	SHEET 3	E
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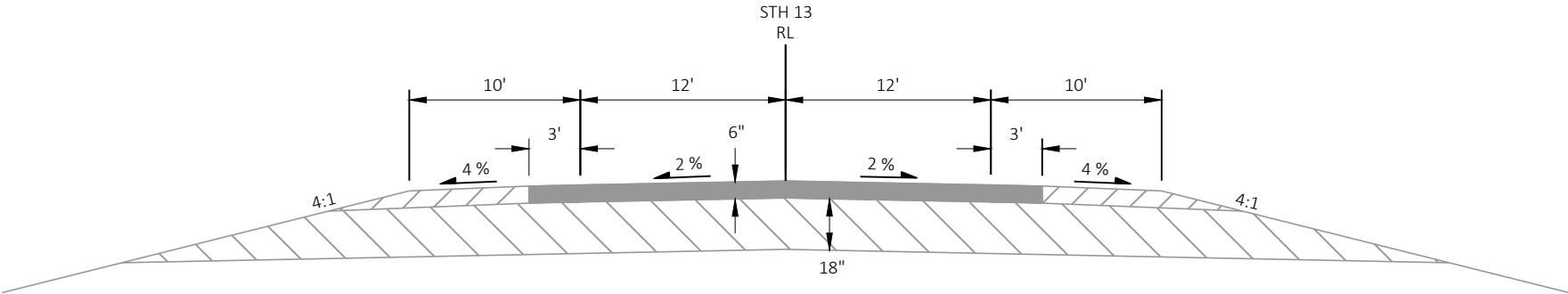
LEGEND

- EXISTING ASPHALTIC PAVEMENT
- EXISTING RELAID BITUMINIOUS ROAD MIX BASE
- CRUSHED AGGREGATE DENSE COURSE
- CRUSHED AGGREGATE DENSE COURSE (SHLD)
- EXISTING BREAKER RUN STONE

① B-49-0082
STA 549+21 TO STA 550+59
SEE STRUCTURE PLANS FOR
ADDITIONAL INFORMATION



EXISTING TYPICAL SECTION
STA 503+81 - STA 691+62 ①

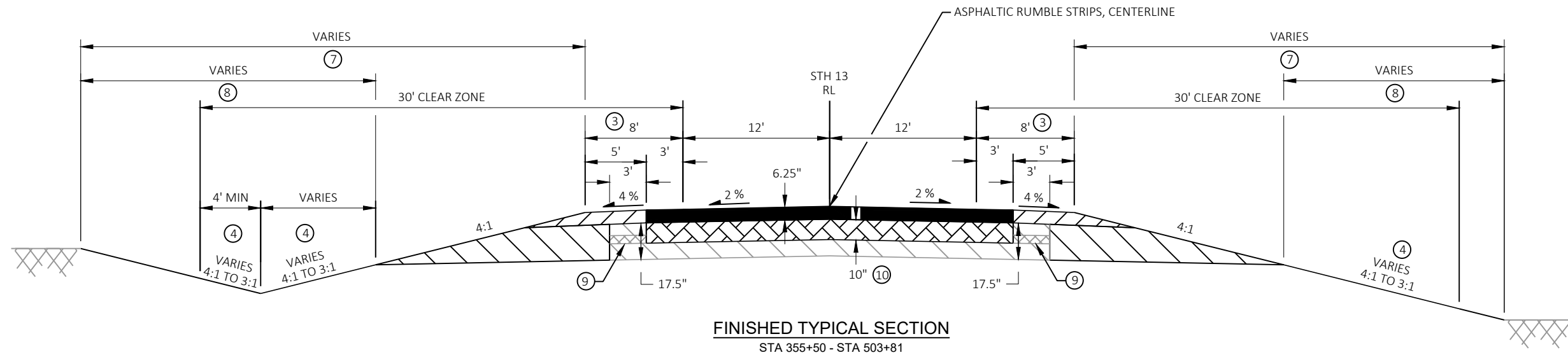
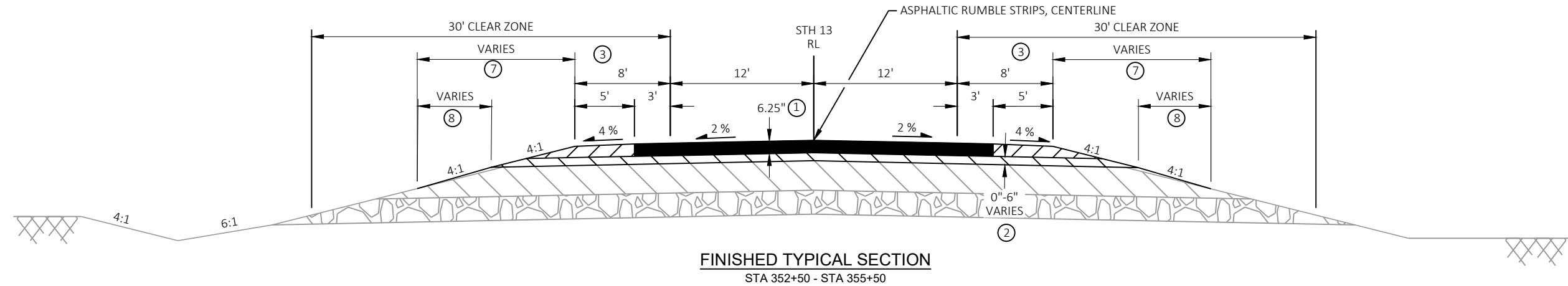


EXISTING TYPICAL SECTION
STA 691+62 - STA 693+59

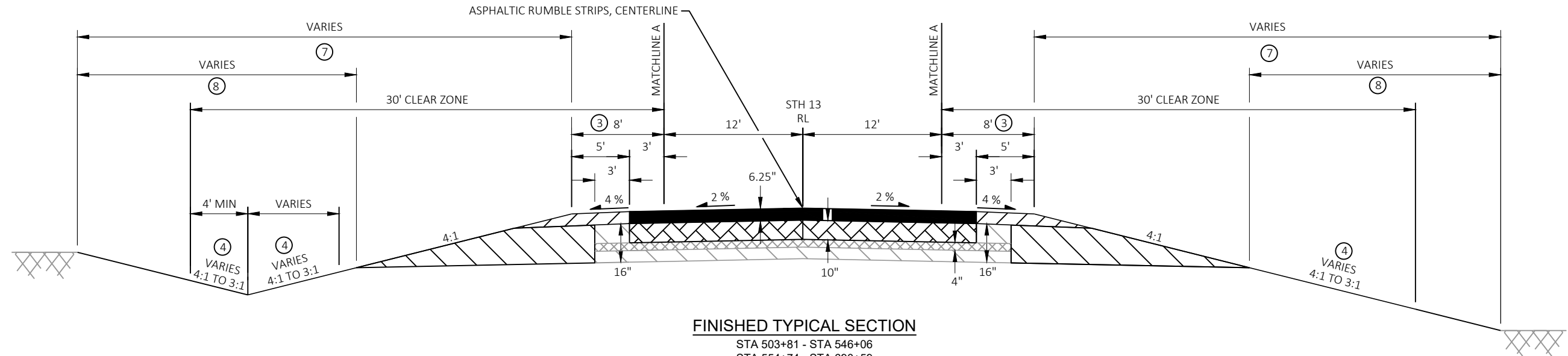
PAVEMENT CORE LOG			
CORE NUMBER	APPROX. STATION	OFFSET	PAVEMENT THICKNESS (INCHES)
1	352+71	5.5RT	6.0
2	369+80	13.5LT	9.5
3	385+03	6.7RT	8.75
4	402+59	7.5LT	10.25
5	419+99	6.7RT	10.5
6	436+13	9.7LT	11.5
7	451+87	2.6RT	12
8	471+74	10.1LT	10.75
9	484+42	4.8RT	9.25
10	501+46	11.3LT	9
11	518+79	4.7RT	9.25
12	534+28	8.0LT	10
13	551+69	5.6RT	8
14	566+32	9.1LT	8.75
15	583+47	1.7RT	10
16	598+74	11.3LT	8
17	614+14	4.5RT	7.25
18	633+20	9.4LT	11
19	645+77	4.7RT	8.25
20	662+33	11.7LT	13
21	677+90	2.2RT	10.75

LEGEND

- EXISTING ASPHALTIC PAVEMENT
- EXISTING RELAID BITUMINIOUS ROAD MIX BASE
- CRUSHED AGGREGATE DENSE COURSE
- CRUSHED AGGREGATE DENSE COURSE (SHLD)
- EXISTING BREAKER RUN STONE

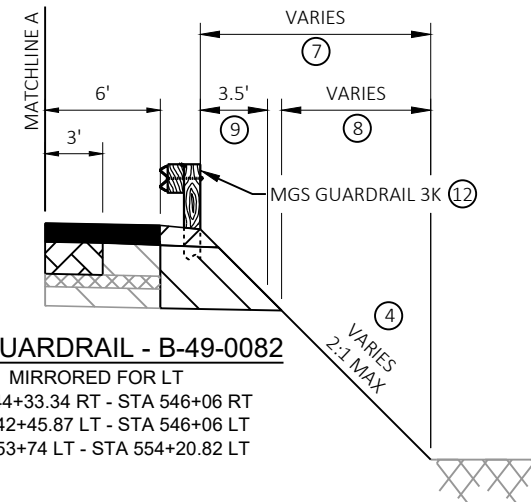
**LEGEND**

- | | | | |
|--|--|--|---|
| | HMA PAVEMENT (6) | (1) REMOVING ASPHALTIC SURFACE; PAVE WITH 6.25" OF HMA PAVEMENT. | (5) REMOVE EXCESS FILLERS AND SEALANTS FROM PULVERIZE AND RELAY SURFACE; PAID UNDER PREPARING FOUNDATION FOR ASPHALTIC PAVING BID ITEM. |
| | PULVERIZE AND RELAY (5) | (2) BASE AGGREGATE DENSE 1 1/4-INCH (0" AT BEGIN PROJECT; BLEND UP TO 6" FOR RAISED PROFILE). | (6) 1.75" UPPER LAYER (4 MT 58-28 S) OVER 2.25" LOWER LAYER (3 MT 58-28 S) OVER 2.25" LOWER LAYER (3 MT 58-28 S) |
| | BASE AGGREGATE DENSE 3/4-INCH | (3) GRAVEL SHOULDERS SHALL CONSIST ONLY OF VIRGIN BASE AGGREGATE DENSE WITHIN 6" OF THE FINISHED SHOULDER SURFACE. | (7) SEEDING TEMPORARY, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B |
| | BASE AGGREGATE DENSE 1 1/4-INCH | (4) SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION | (8) TOPSOIL, SEEDING TEMPORARY, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B |
| | EXISTING ASPHALTIC PAVEMENT | | (9) EXISTING CRUSHED AGGREGATE DENSE COURSE IN LIEU OF EXISTING RELAID BITUMINOUS ROAD MIX BASE, STA 355+50 - STA 358+50 |
| | EXISTING RELAID BITUMINOUS ROAD MIX BASE | | (10) PULVERIZE AND RELAY DEPTH 7-INCHES FROM STA 355+50 - STA 358+50 |
| | EXISTING CRUSHED AGGREGATE DENSE COURSE | | |
| | EXISTING CRUSHED AGGREGATE DENSE COURSE (SHLD) | | |
| | EXISTING BREAKER RUN STONE | | |
| | EXISTING GROUND | | |



FINISHED TYPICAL SECTION

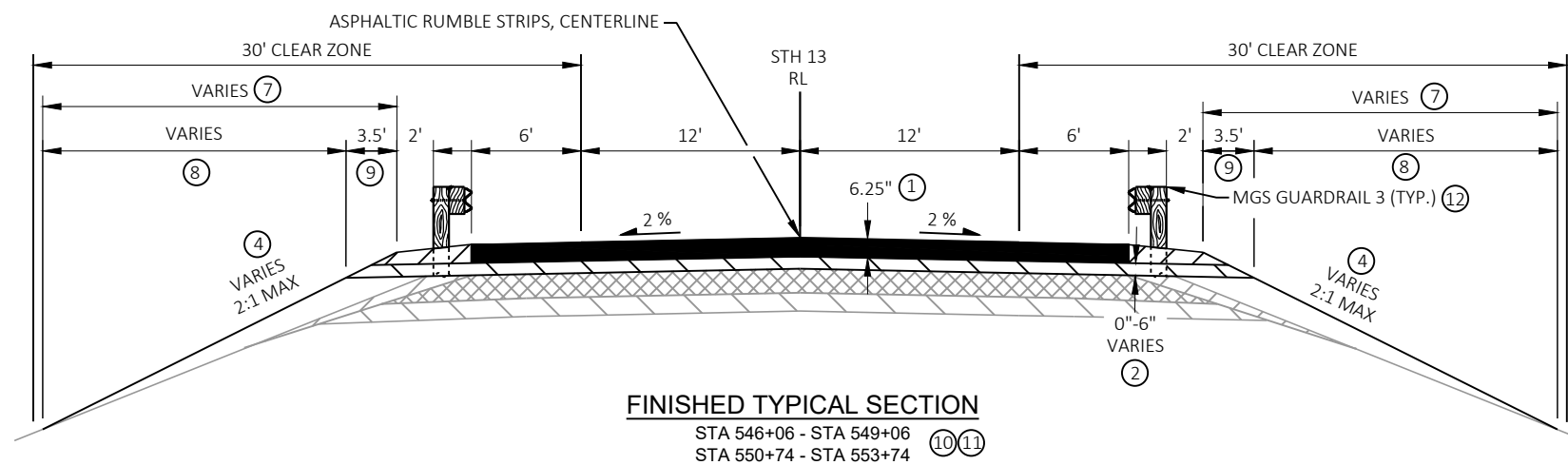
STA 503+81 - STA 546+06
STA 554+74 - STA 690+59



MGS GUARDRAIL - B-49-0082

MIRRORED FOR LT

STA 544+33.34 RT - STA 546+06 RT
STA 542+45.87 LT - STA 546+06 LT
STA 553+74 LT - STA 554+20.82 LT



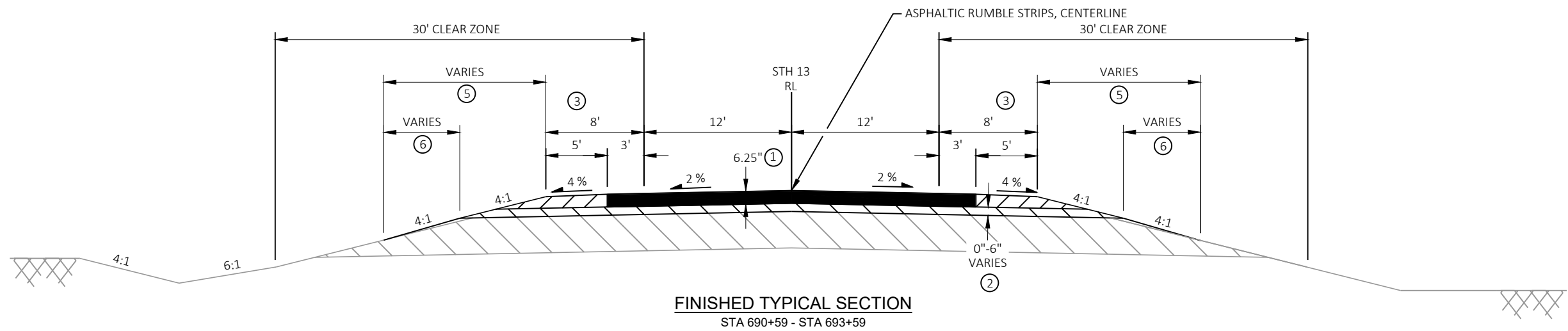
FINISHED TYPICAL SECTION

STA 546+06 - STA 549+06
STA 550+74 - STA 553+74

LEGEND

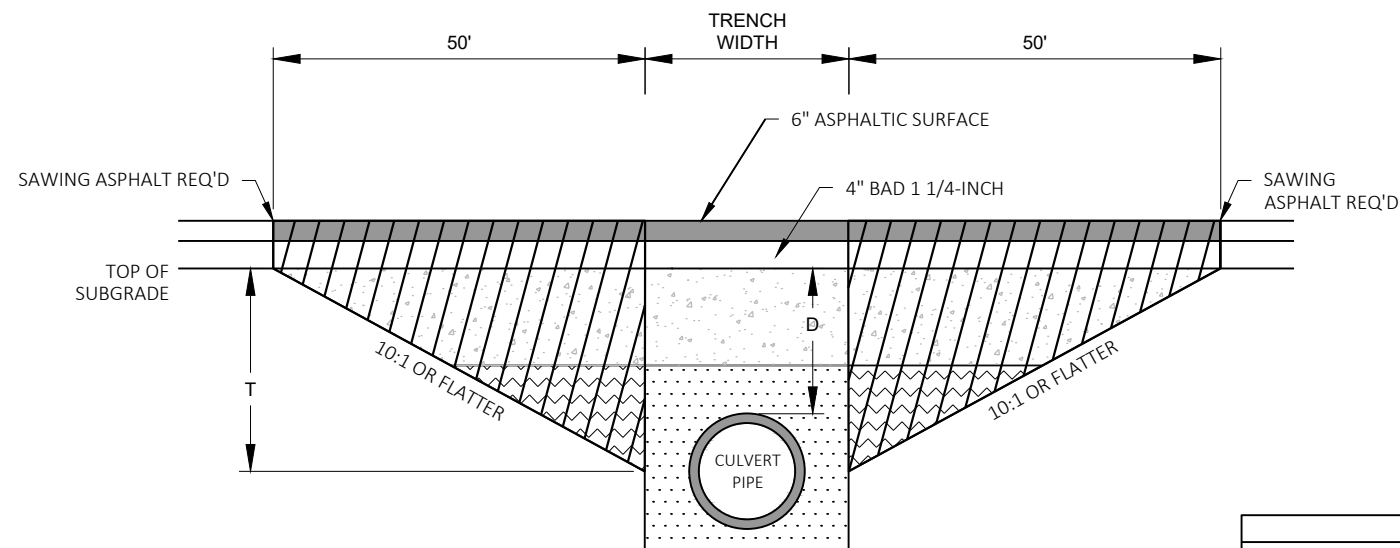
- HMA PAVEMENT ⑥
- PULVERIZE AND RELAY ⑤
- BASE AGGREGATE DENSE 3/4-INCH
- BASE AGGREGATE DENSE 1 1/4-INCH
- EXISTING ASPHALTIC PAVEMENT
- EXISTING RELAID BITUMINIOUS ROAD MIX BASE
- EXISTING CRUSHED AGGREGATE DENSE COURSE
- EXISTING CRUSHED AGGREGATE DENSE COURSE (SHLD)
- EXISTING BREAKER RUN STONE
- EXISTING GROUND

- ① REMOVING ASPHALTIC SURFACE; PAVE WITH 6.25" OF HMA PAVEMENT.
- ② BASE AGGREGATE DENSE 1 1/4-INCH (0" AT BEGIN PROJECT; BLEND UP TO 6" FOR RAISED PROFILE).
- ③ GRAVEL SHOULDERS SHALL CONSIST ONLY OF VIRGIN BASE AGGREGATE DENSE WITHIN 6" OF THE FINISHED SHOULDER SURFACE.
- ④ SEE CROSS SECTIONS FOR ADDITIONAL INFORMATION
- ⑤ REMOVE EXCESS FILLERS AND SEALANTS FROM PULVERIZE AND RELAY SURFACE; PAID UNDER PREPARING FOUNDATION FOR ASPHALTIC PAVING BID ITEM.
- ⑥ 1.75" UPPER LAYER (4 MT 58-28 S) OVER 2.25" LOWER LAYER (3 MT 58-28 S) OVER 2.25" LOWER LAYER (3 MT 58-28 S)
- ⑦ SEEDING TEMPORARY, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- ⑧ TOPSOIL, SEEDING TEMPORARY, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- ⑨ GUARDRAIL MOW STRIP EMULSIFIED ASPHALT
- ⑩ B-49-0082 POLYMER OVERLAY STA 549+21 TO STA 550+59 SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION
- ⑪ CONCRETE PAVEMENT APPROACH SLAB 6-INCH CONCRETE PAVEMENT STA 549+06 TO STA 549+21 STA 550+59 TO STA 550+74
- ⑫ SEE PLAN PROFILE SHEETS FOR GUARDRAIL TYPE RANGES

**LEGEND**

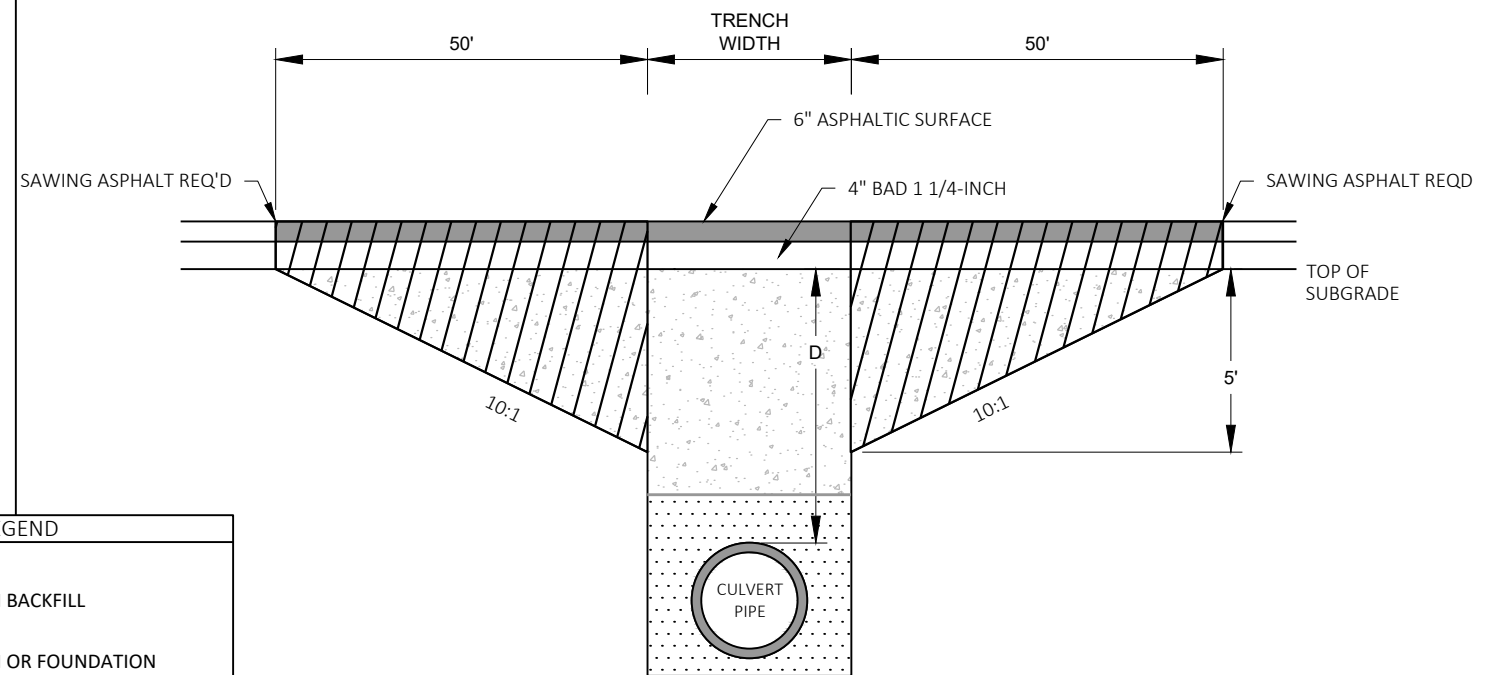
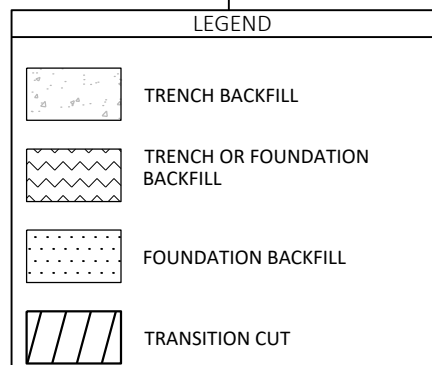
	HMA PAVEMENT ④
	PULVERIZE AND RELAY
	BASE AGGREGATE DENSE 3/4-INCH
	BASE AGGREGATE DENSE 1 1/4-INCH
	EXISTING ASPHALTIC PAVEMENT
	EXISTING RELAID BITUMINIOUS ROAD MIX BASE
	EXISTING CRUSHED AGGREGATE DENSE COURSE ⑦
	EXISTING CRUSHED AGGREGATE DENSE COURSE (SHLD)
	EXISTING BREAKER RUN STONE
	EXISTING GROUND

- ① REMOVING ASPHALTIC SURFACE; PAVE WITH 6.25" OF HMA PAVEMENT.
- ② BASE AGGREGATE DENSE 1 1/4-INCH (0" AT END PROJECT; BLEND UP TO 6" FOR RAISED PROFILE).
- ③ GRAVEL SHOULDERS SHALL CONSIST ONLY OF VIRGIN BASE AGGREGATE DENSE WITHIN 6" OF THE FINISHED SHOULDER SURFACE.
- ④ 1.75" UPPER LAYER (4 MT 58-28 S) OVER 2.25" LOWER LAYER (3 MT 58-28 S) OVER 2.25" LOWER LAYER (3 MT 58-28 S)
- ⑤ SEEDING TEMPORARY, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- ⑥ TOPSOIL, SEEDING TEMPORARY, SEEDING MIXTURE NO. 30, FERTILIZER TYPE B
- ⑦ EXISTING RELAID BITUMINIOUS ROAD MIX BASE ANTICIPATED FROM STA 690+59 TO STA 691+62



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

DEPTH D < 6 FT



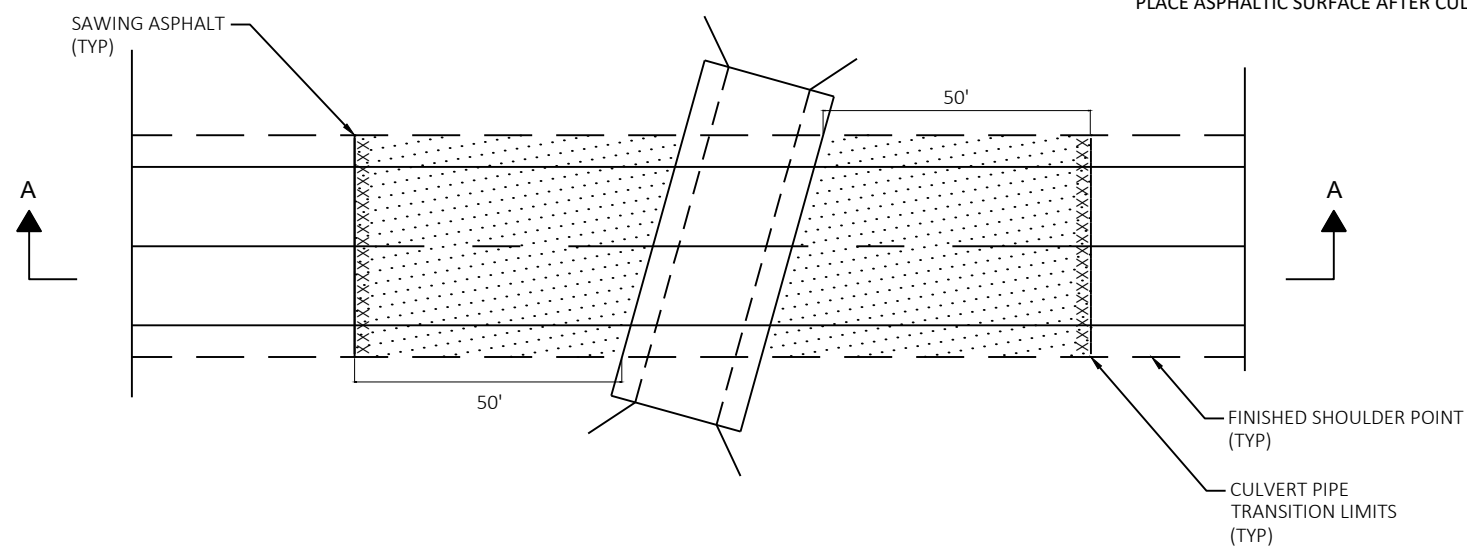
DEPTH D ≥ 6 FT

NOTES

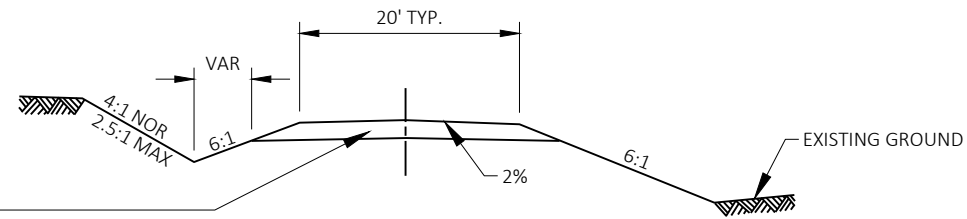
TRANSITION CUT IS PAID AS EXCAVATION COMMON.
TRANSITION CUT WIDTH IS FROM SUBGRADE SHOULDER POINT TO SUBGRADE SHOULDER POINT.
BACKFILL THE TRANSITION CUT AREAS WITH FOUNDATION AND TRENCH BACKFILL AS SPECIFIED IN STANDARD SPEC 520.
PERFORM CULVERT PIPE INSTALLATION BEFORE PULVERIZING AND RELAYING.
PLACE ASPHALTIC SURFACE AFTER CULVERT PIPE INSTALLATION AND BEFORE PULVERIZING AND RELAYING.

CULVERT PIPE TRANSITION

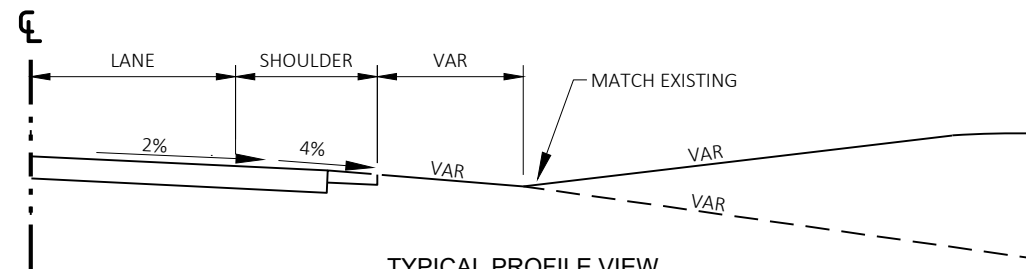
STA (CL)	DEPTH D (FT)	NO. OF PIPE	PIPE DIA (IN)
369+24	2.43	1	24
396+20	3.10	2	30
439+53	2.70	2	42
490+64	3.04	1	24
505+22	6.52	1	42
506+57	4.47	2	48
580+15	6.09	2	42
636+57	2.78	1	36



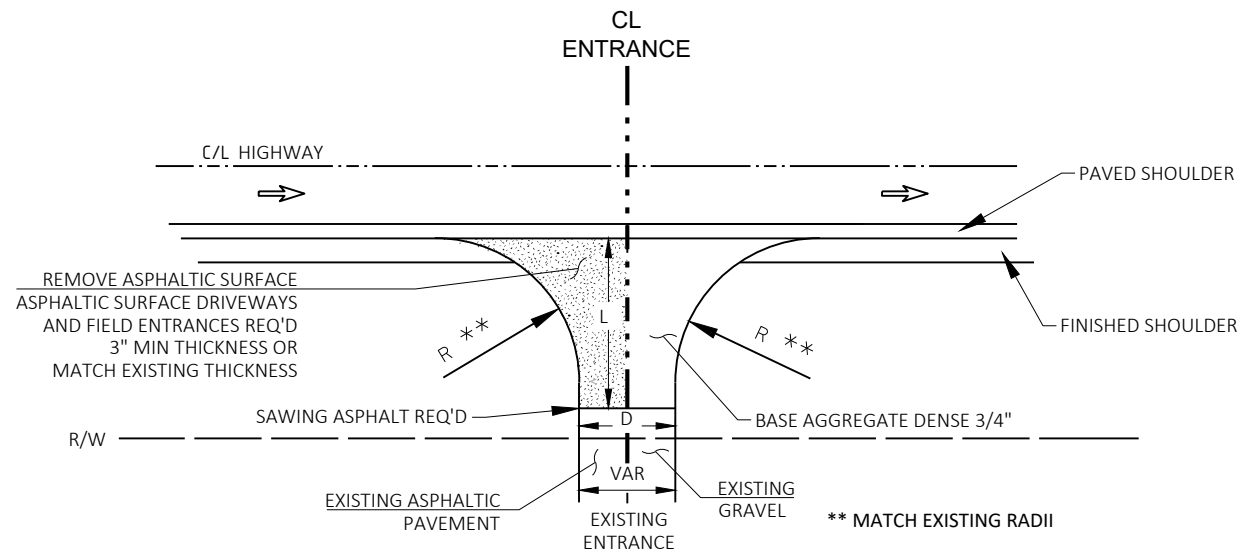
6" BASE AGGREGATE DENSE 3/4" OR
6" BASE AGGREGATE DENSE 1-1/4" AND
3" MIN OR MATCH EXISTING THICKNESS ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES



TYPICAL CROSS SECTION



TYPICAL PROFILE VIEW



L=VARIABLE, EXACT LENGTH TO BE DETERMINED IN
THE FIELD BY THE ENGINEER

D=DRIVEWAY WIDTH
D=20'TYP(PE & FE) (16'MIN-24'MAX)
D=28'TYP(CE & FARM ENT) (24'MIN-35'MAX)

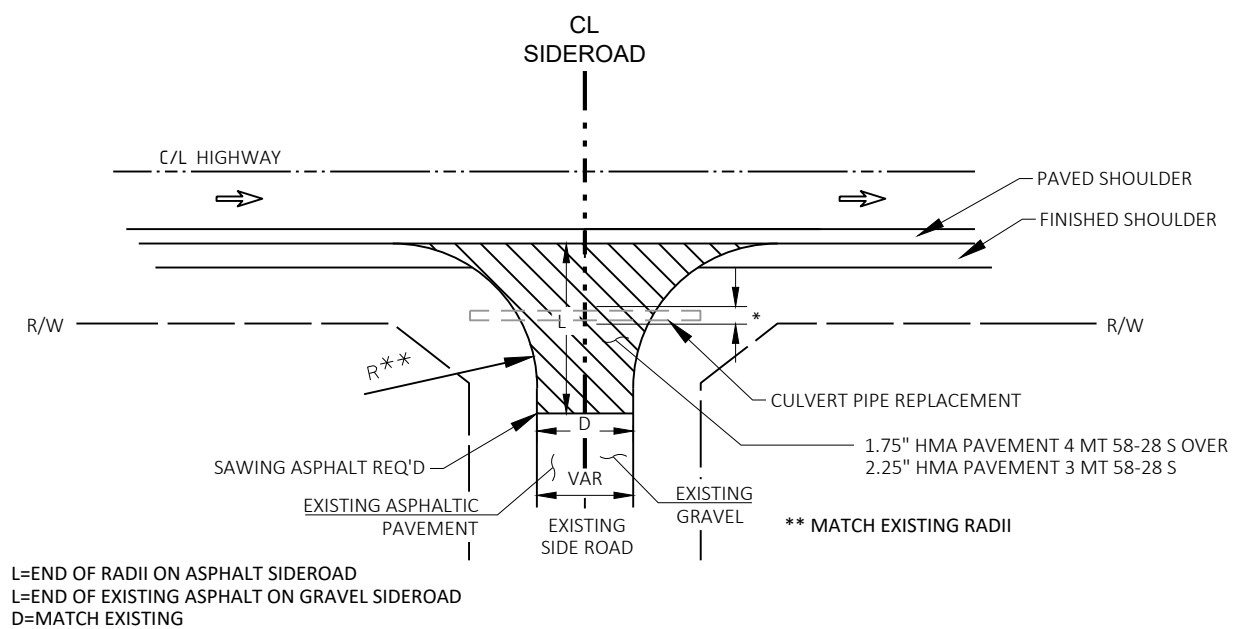
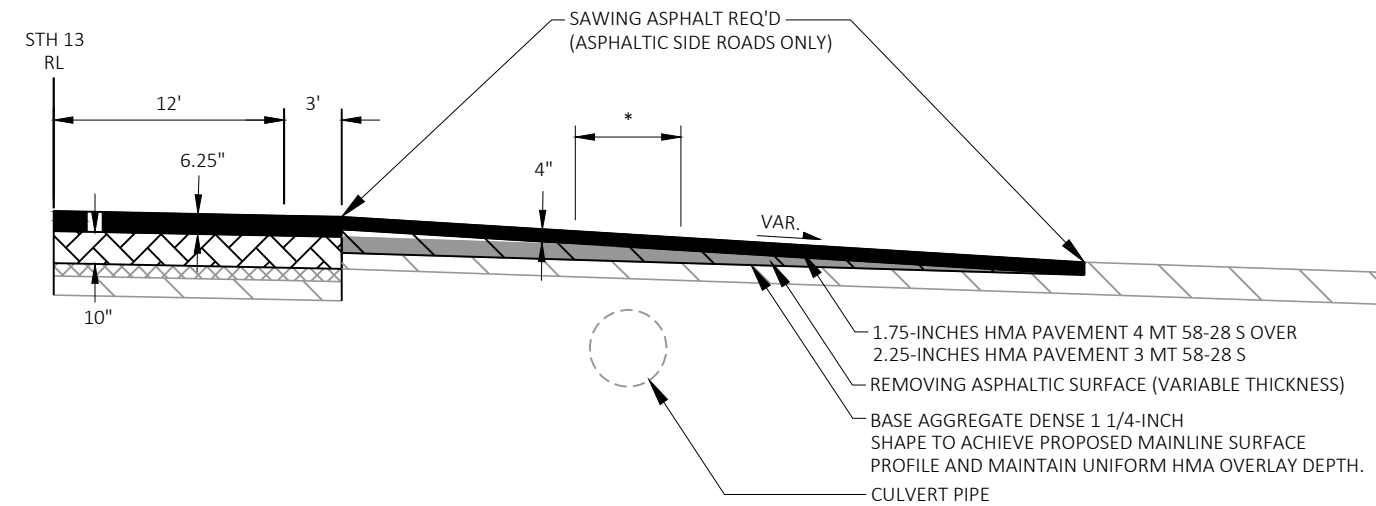
PLAN VIEW

RURAL DRIVEWAY INTERSECTION (PE, FE & CE)

(FOR RESURFACING PROJECTS WITH PROFILE CHANGE)

LEGEND

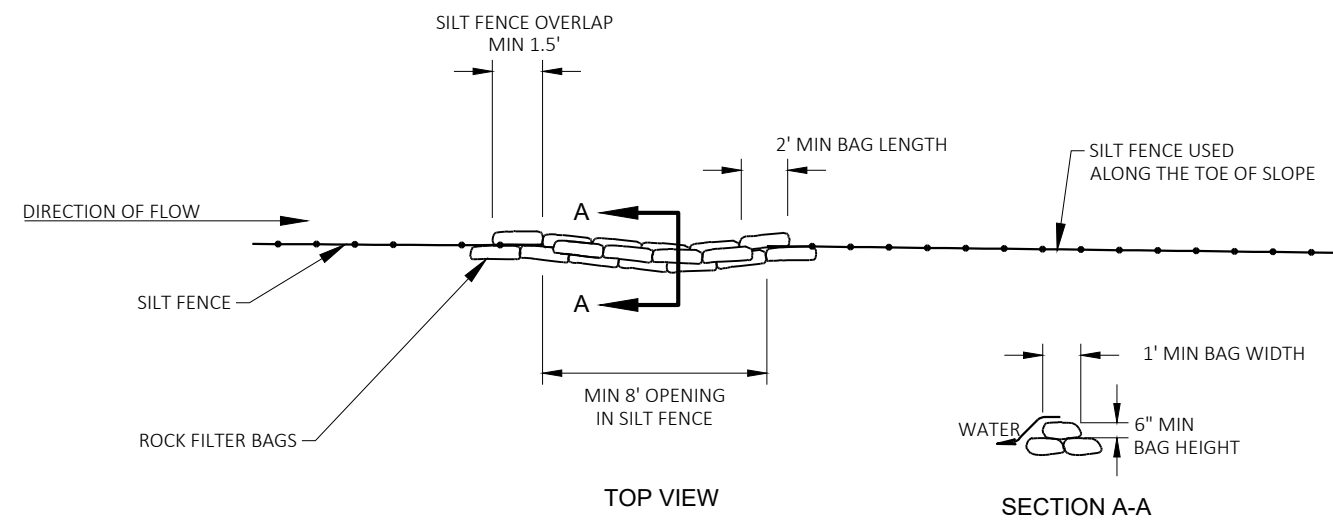
	HMA PAVEMENT
	PULVERIZE AND RELAY
	BASE AGGREGATE DENSE 1 1/4-INCH
	EXISTING ASPHALTIC PAVEMENT
	EXISTING RELAID BITUMINIOUS ROAD MIX BASE
	EXISTING CRUSHED AGGREGATE DENSE COURSE



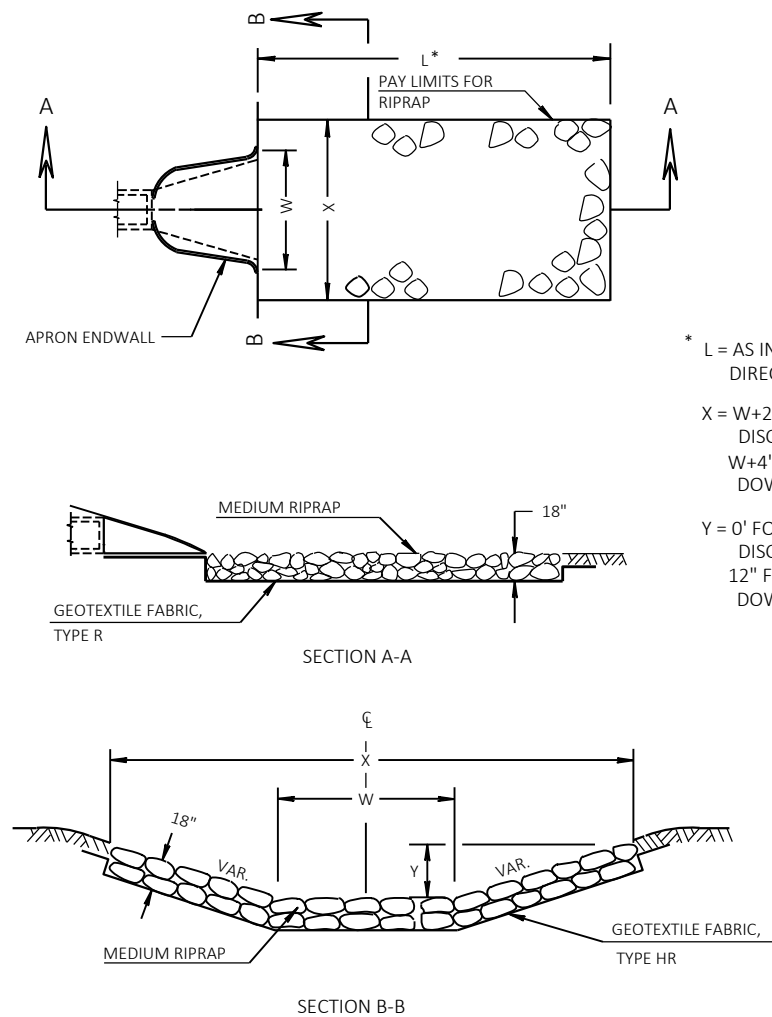
PLAN VIEW

DETAIL FOR SIDE ROAD INTERSECTIONS

* AT CULVERT PIPE REPLACEMENT LOCATIONS, USE PAVEMENT STRUCTURE OF 4-INCHES HMA PAVEMENT OVER 8-INCHES 1 1/4-INCH BASE AGGREGATE DENSE.



ROCK BAGS USED FOR SILT FENCE RELIEF

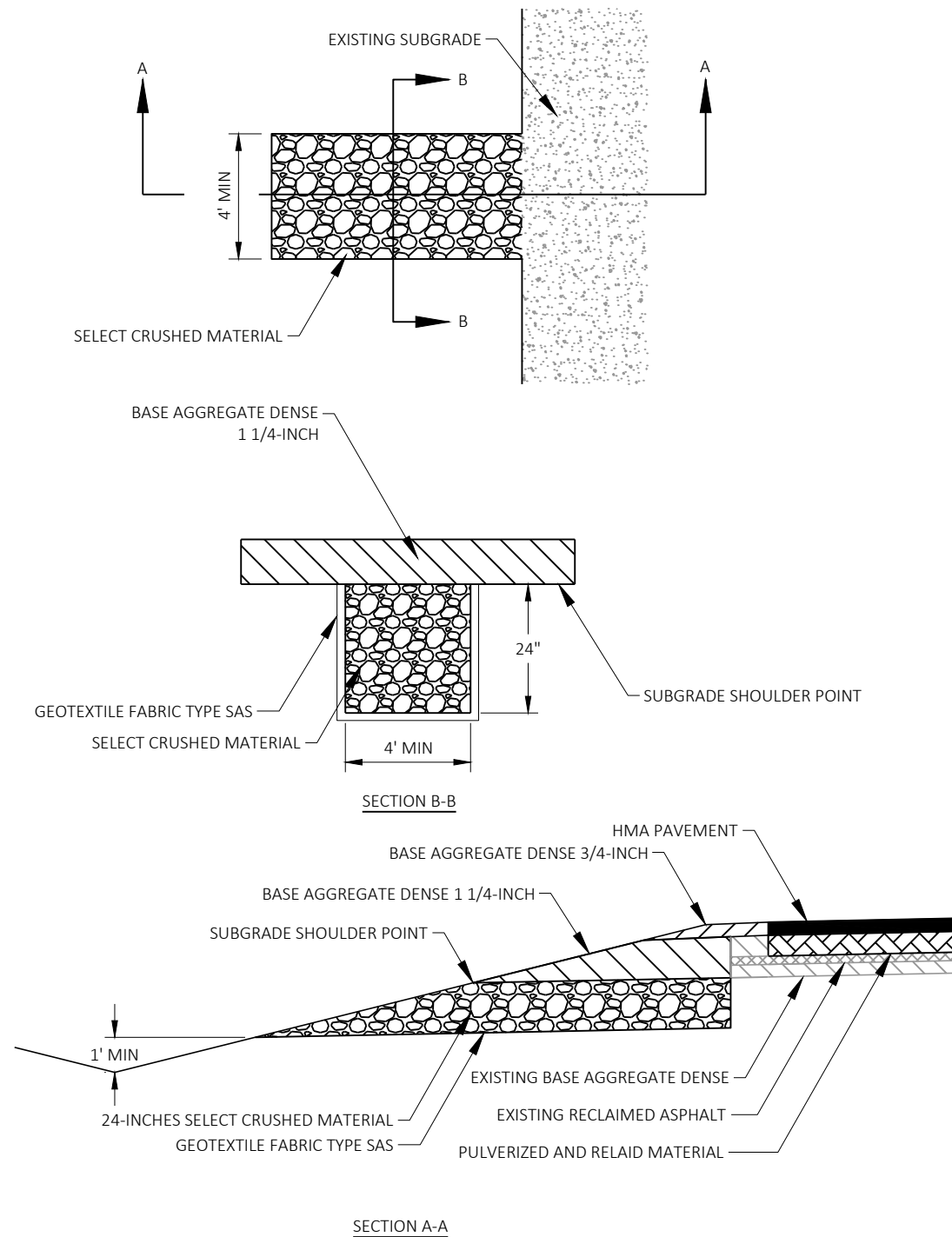


* L = AS INDICATED IN THE PLANS OR AS DIRECTED BY THE ENGINEER

$X = W + 2'$ FOR TYPICAL CULVERT DISCHARGE INTO DITCH
 $W + 4'$ FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

$Y = 0'$ FOR TYPICAL CULVERT DISCHARGE INTO DITCH
 12" FOR CULVERT DISCHARGE DOWN EMBANKMENT SLOPE

RIPRAP AND GEOTEXTILE DETAIL AT APRON ENDWALLS

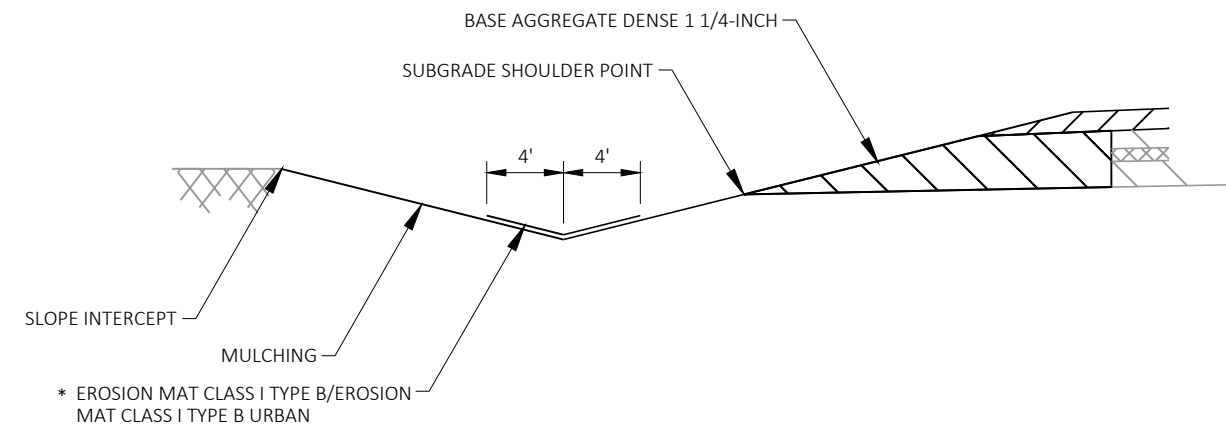


RELIEF TRENCH DETAIL

LOWPOINTS*
STA 368+50
STA 435+00
STA 508+00
STA 581+00
STA 636+00

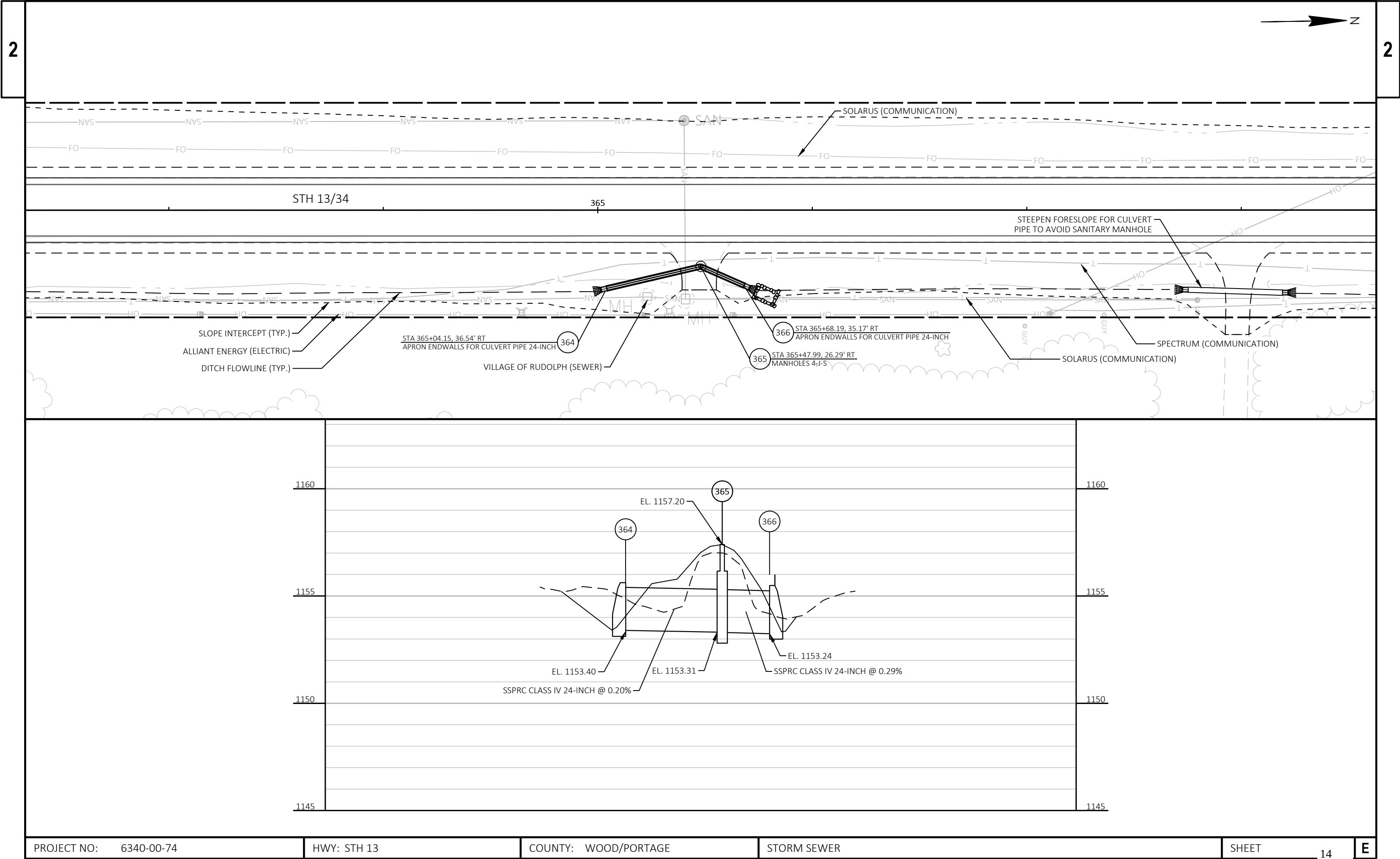
INDIVIDUAL
LOCATIONS
STA 420+00
STA 422+50
STA 425+00
STA 427+50
STA 430+00
STA 432+50

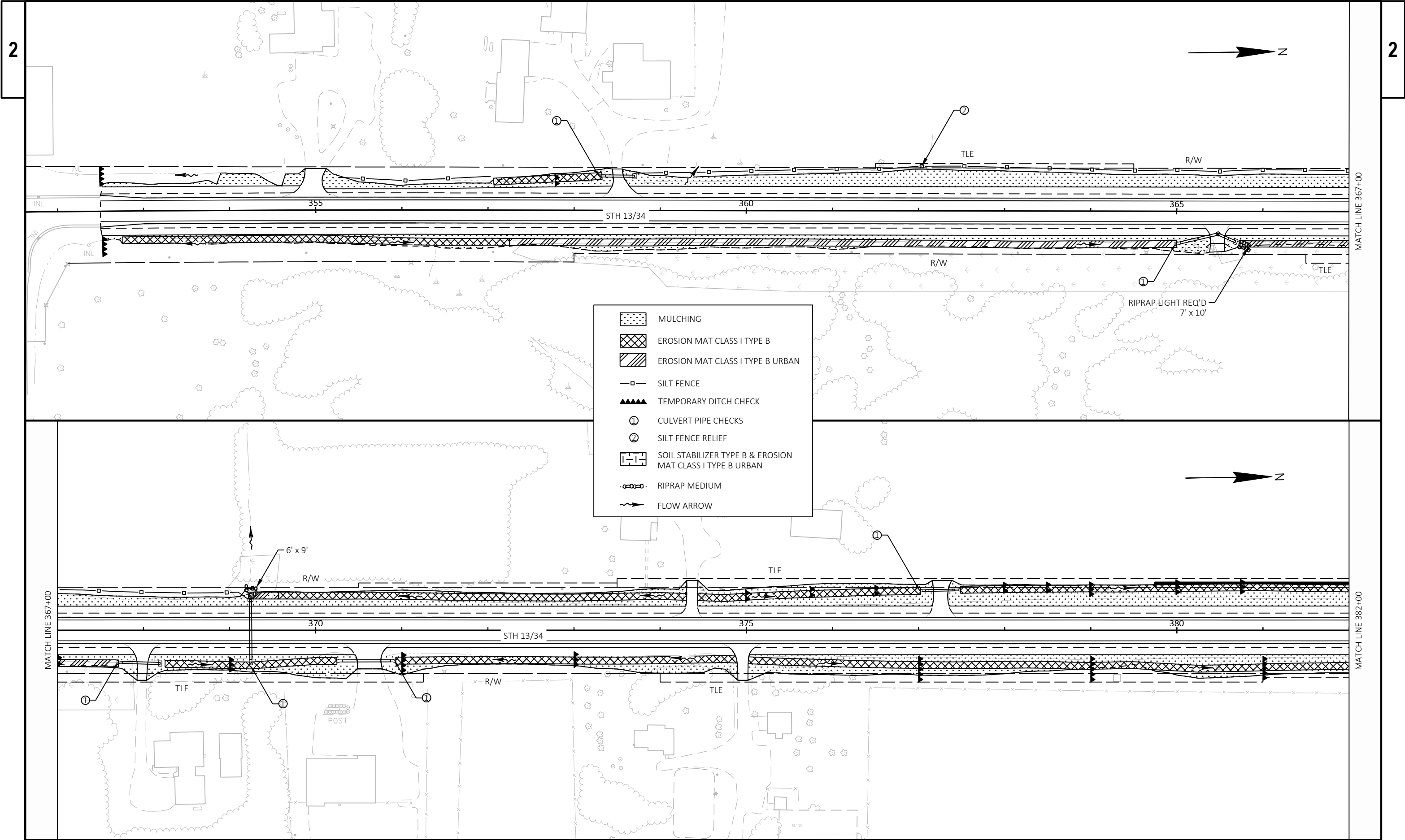
* PLACE ADDITIONAL RELIEF TRENCHES 100'
UPSTATION AND DOWNSTATION FROM LOW POINT.

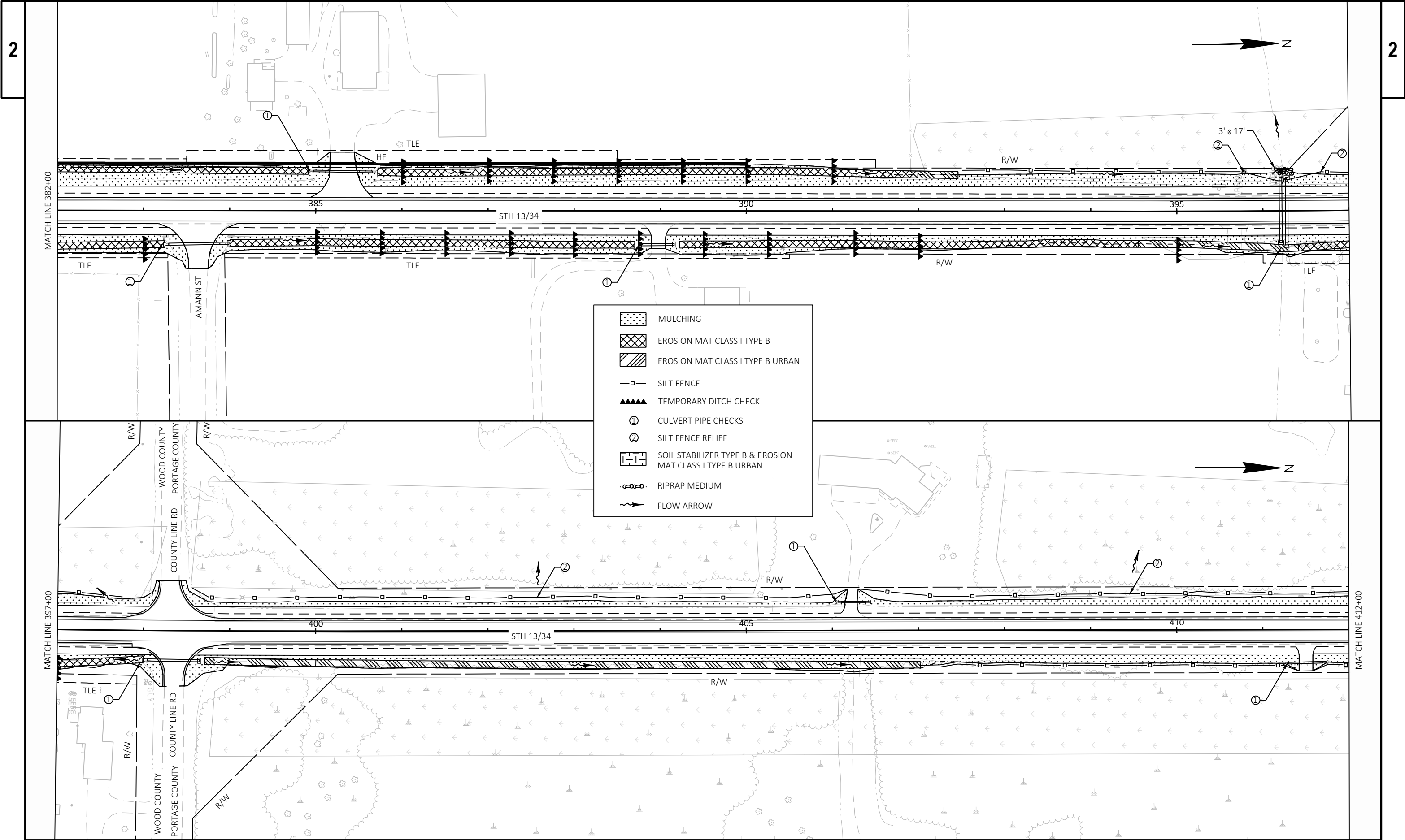


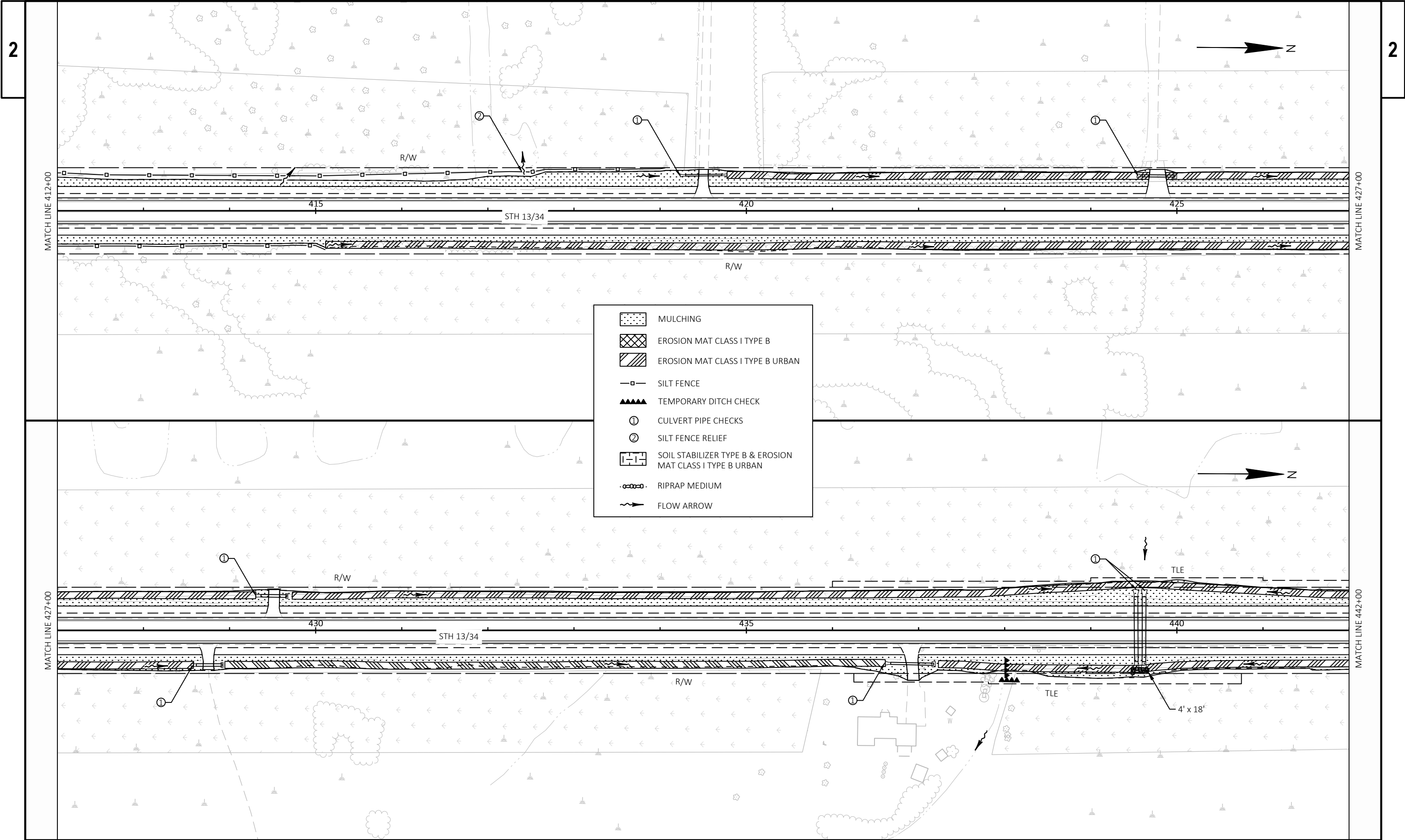
EROSION CONTROL DETAIL

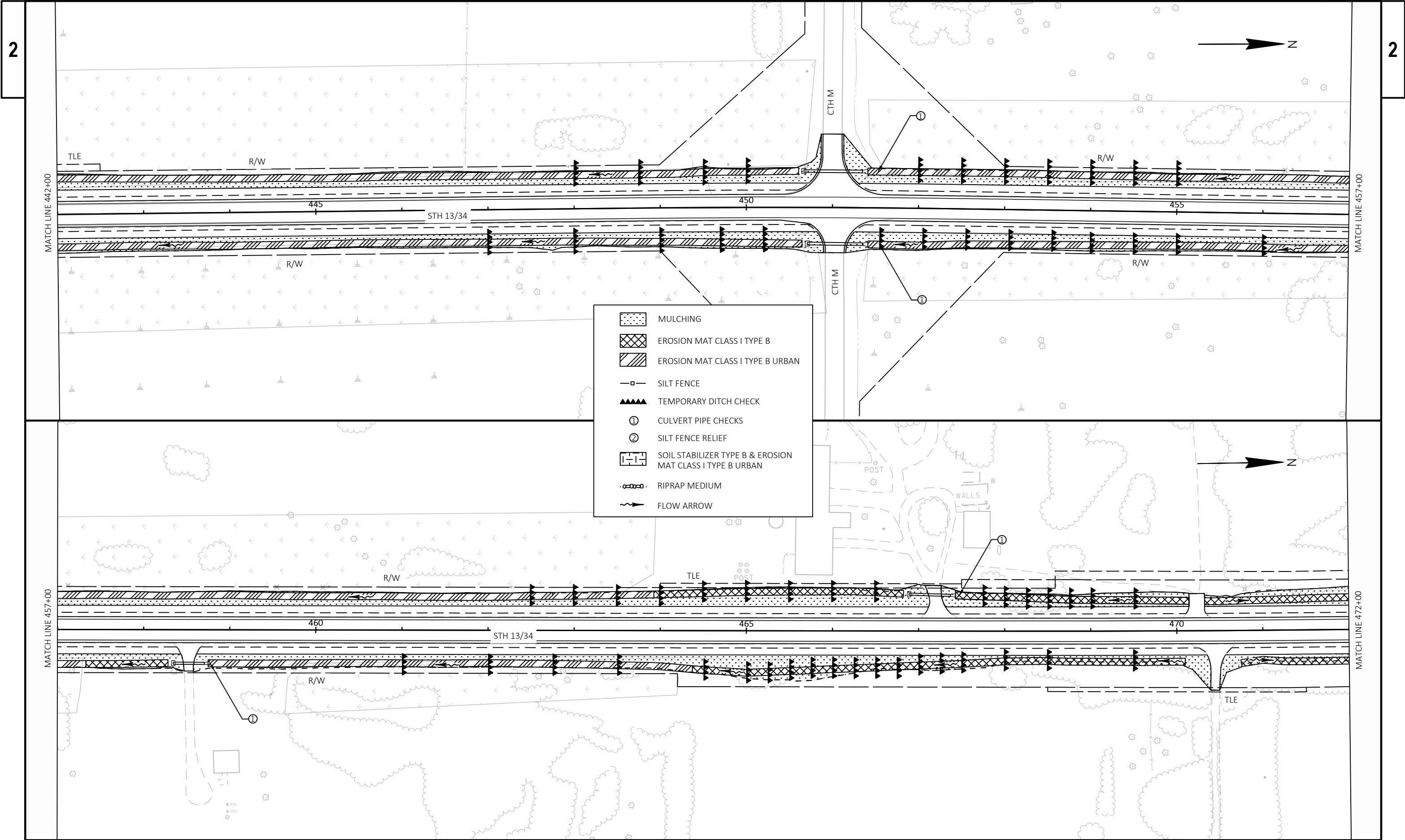
* SEE EROSION CONTROL PLAN FOR LOCATIONS

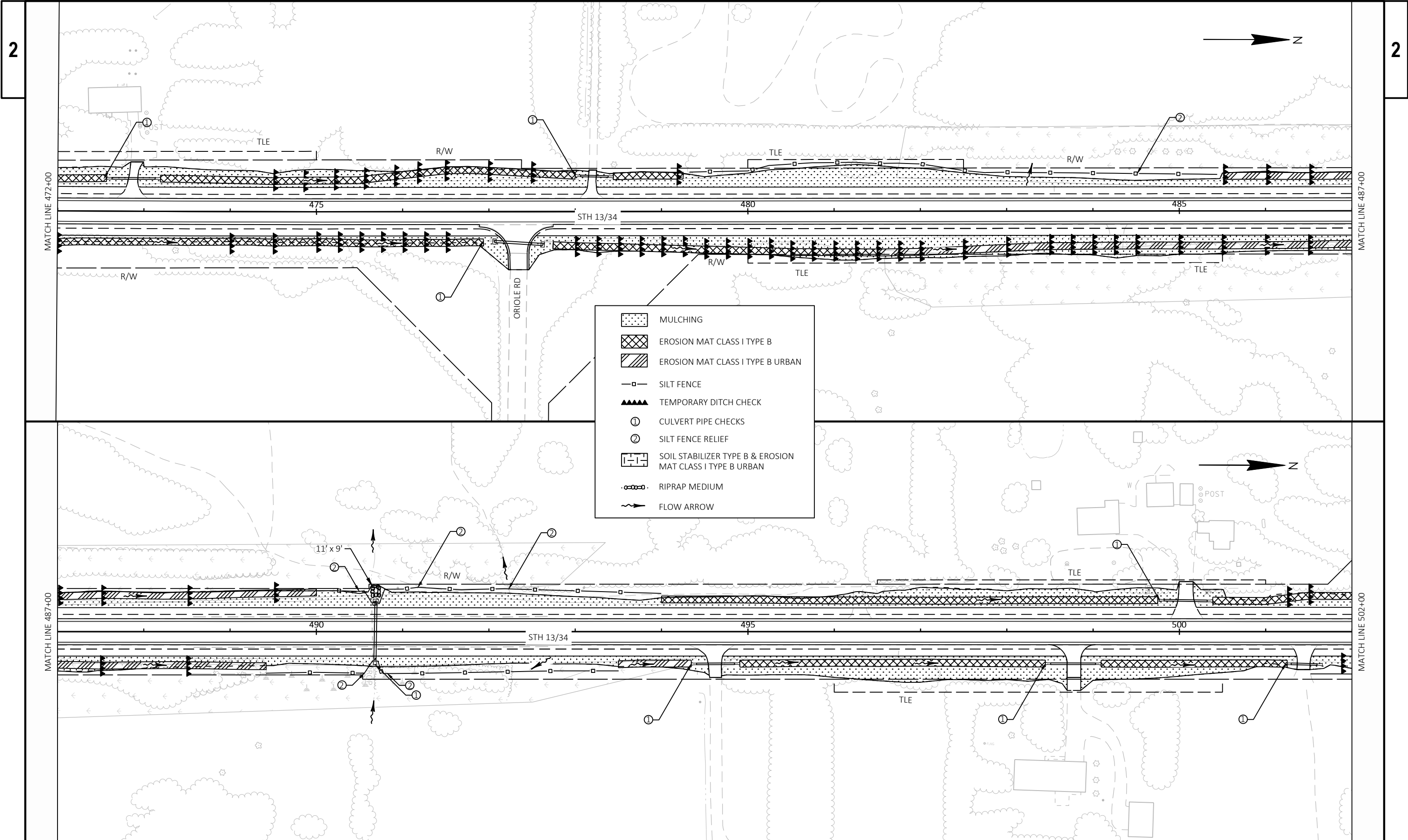


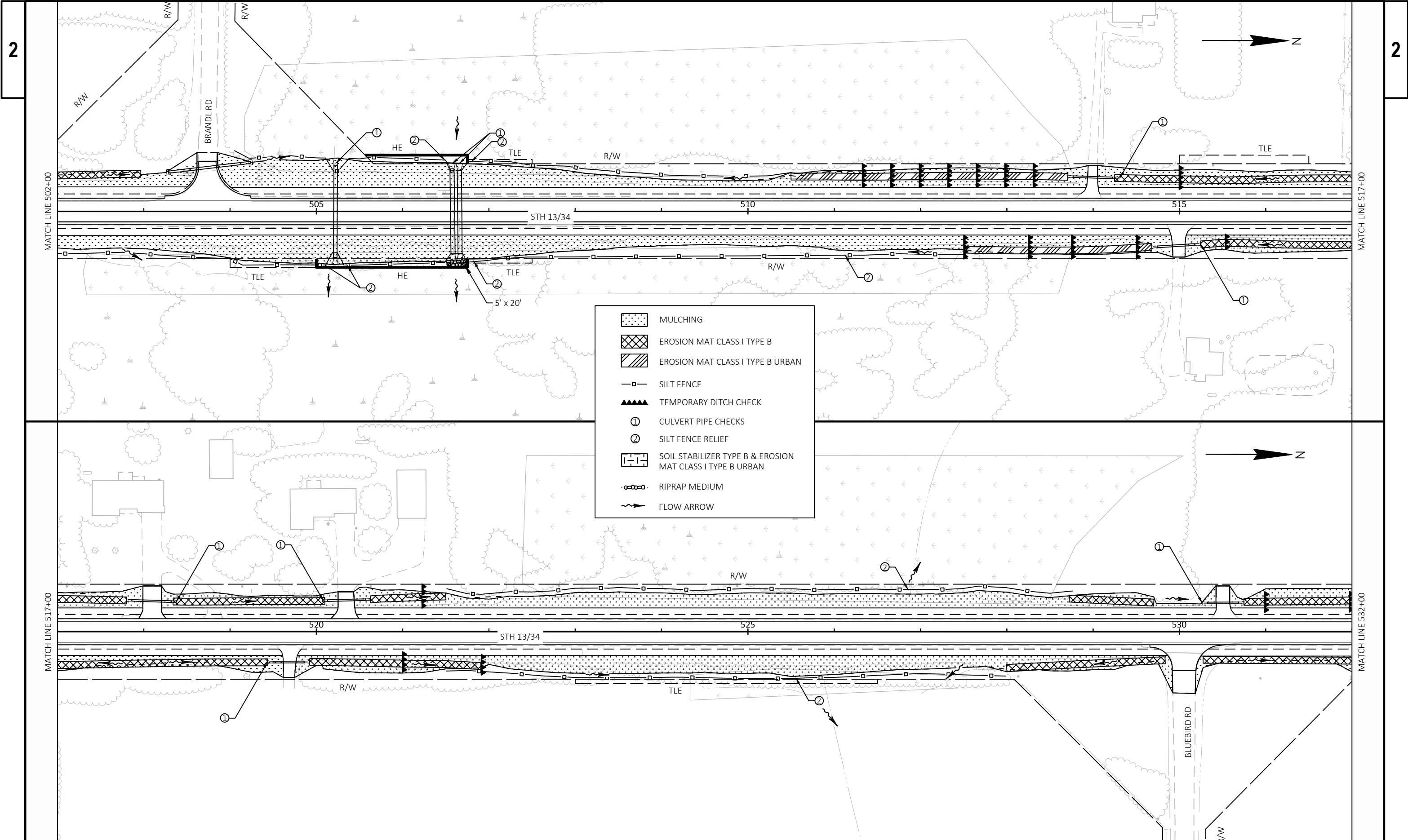


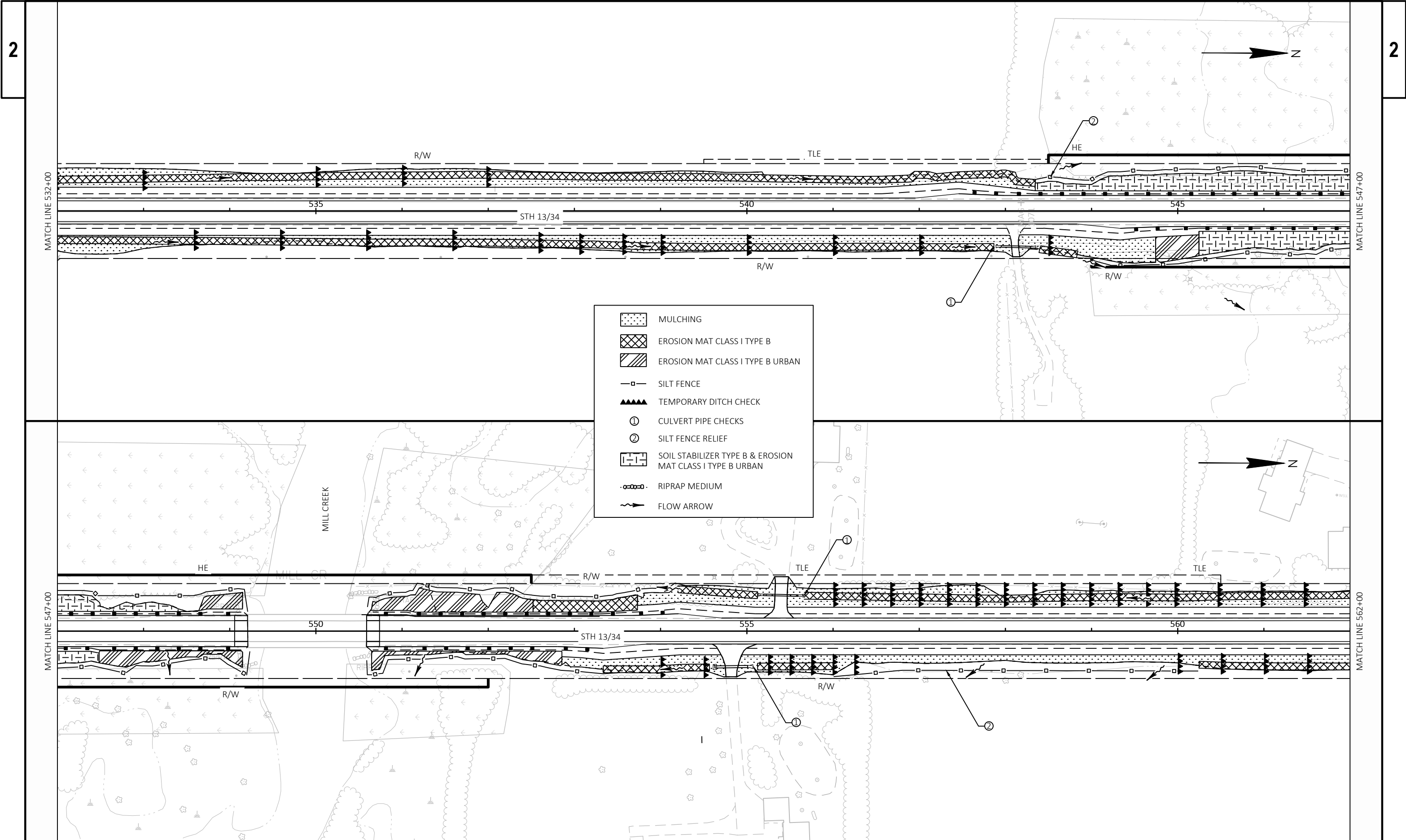


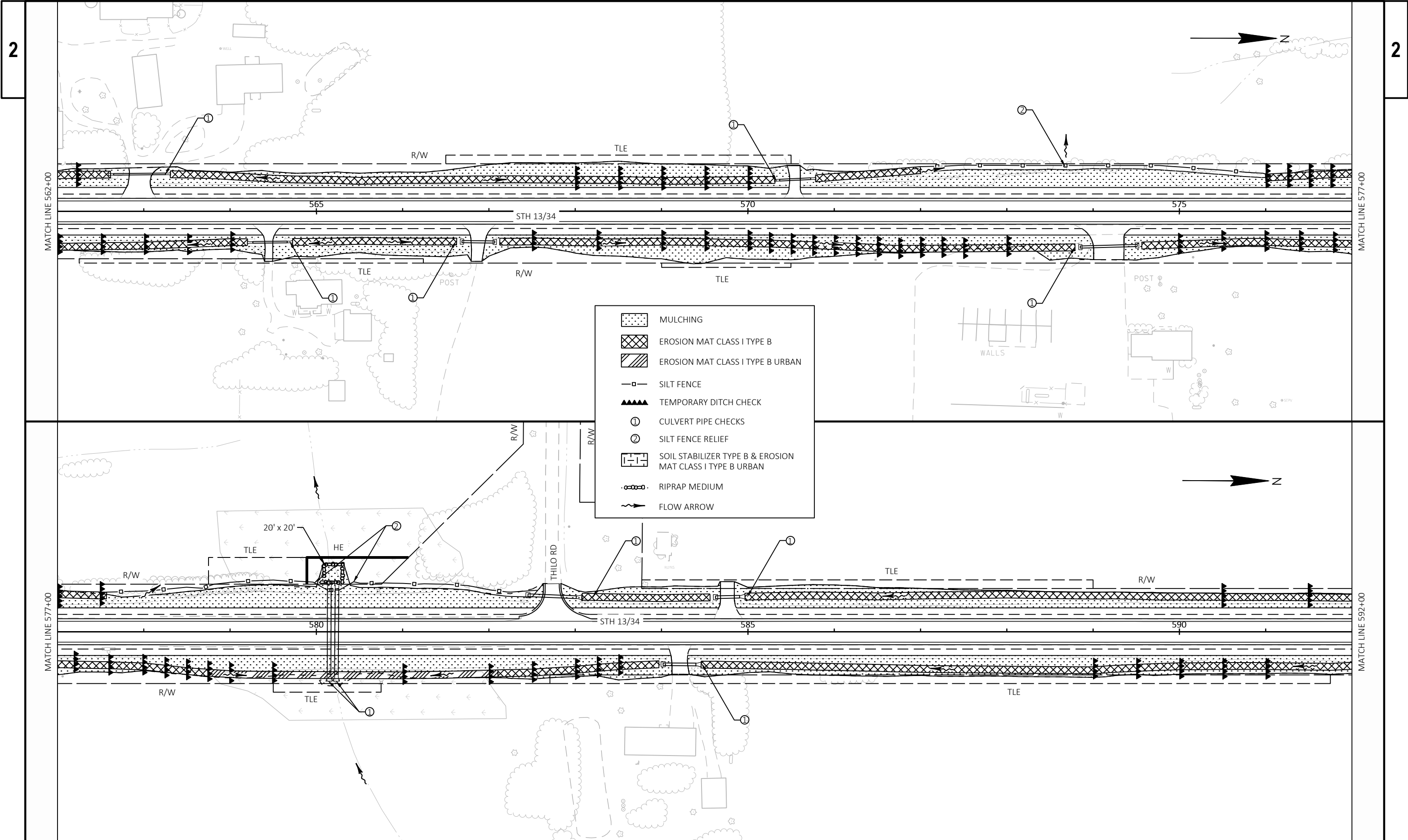


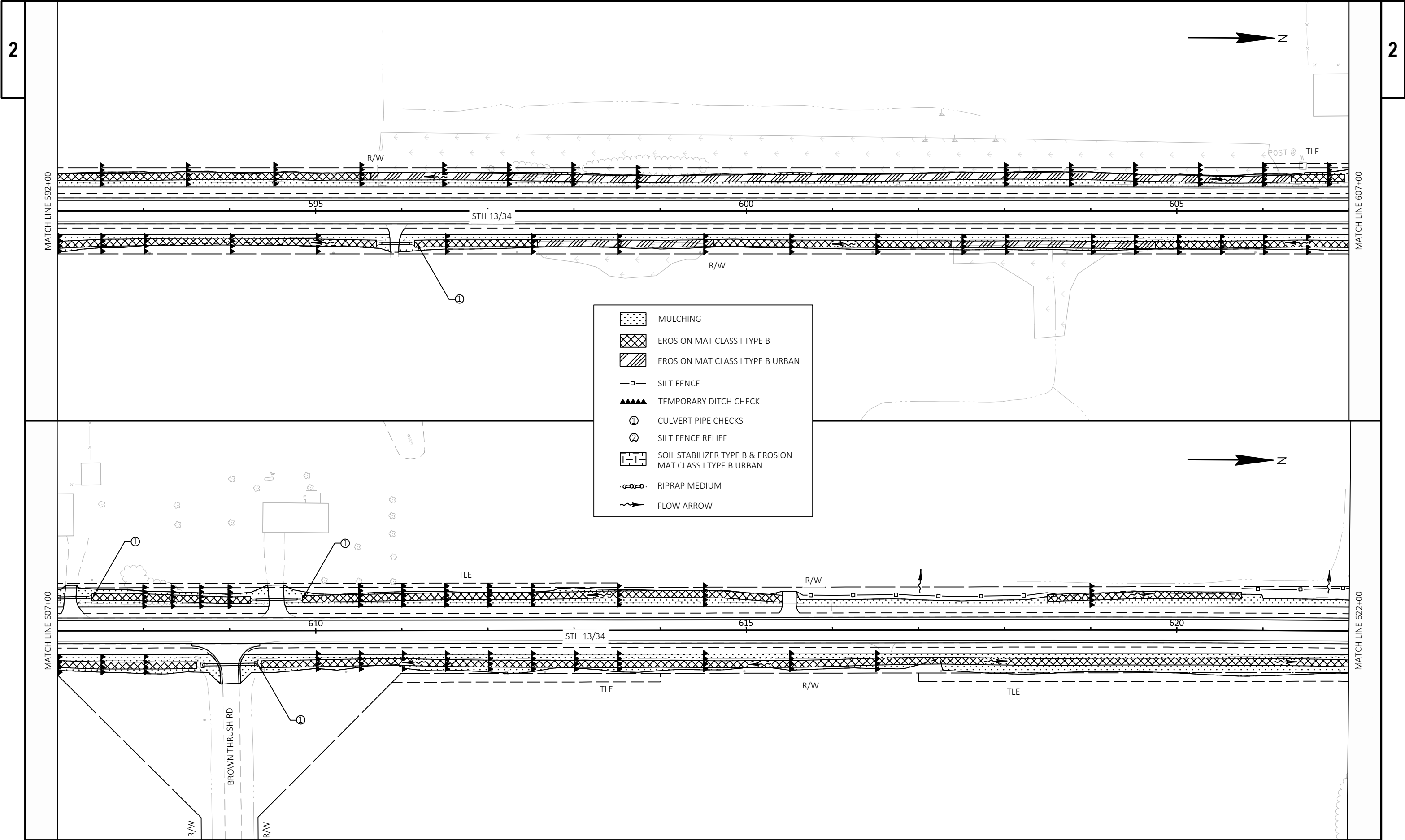


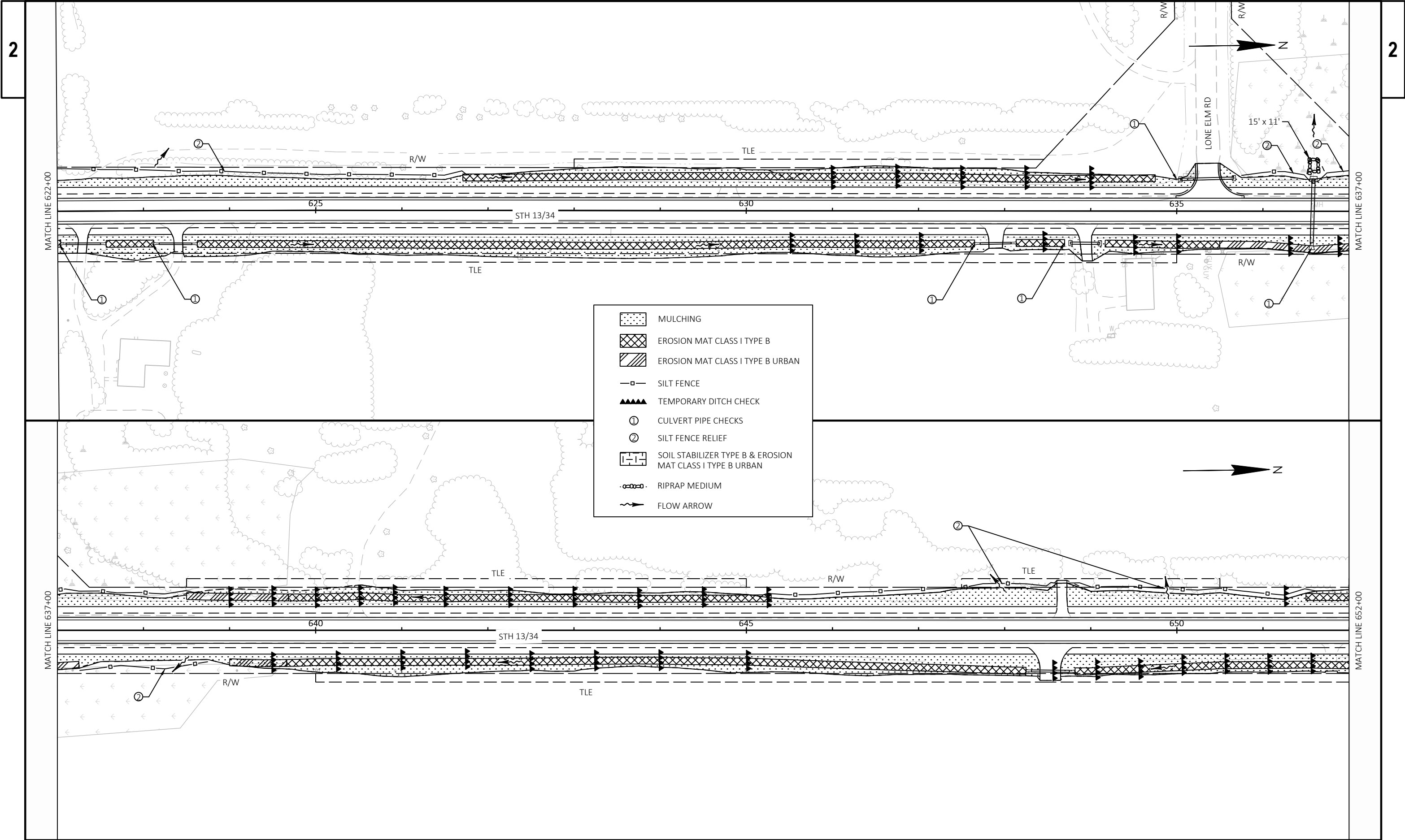


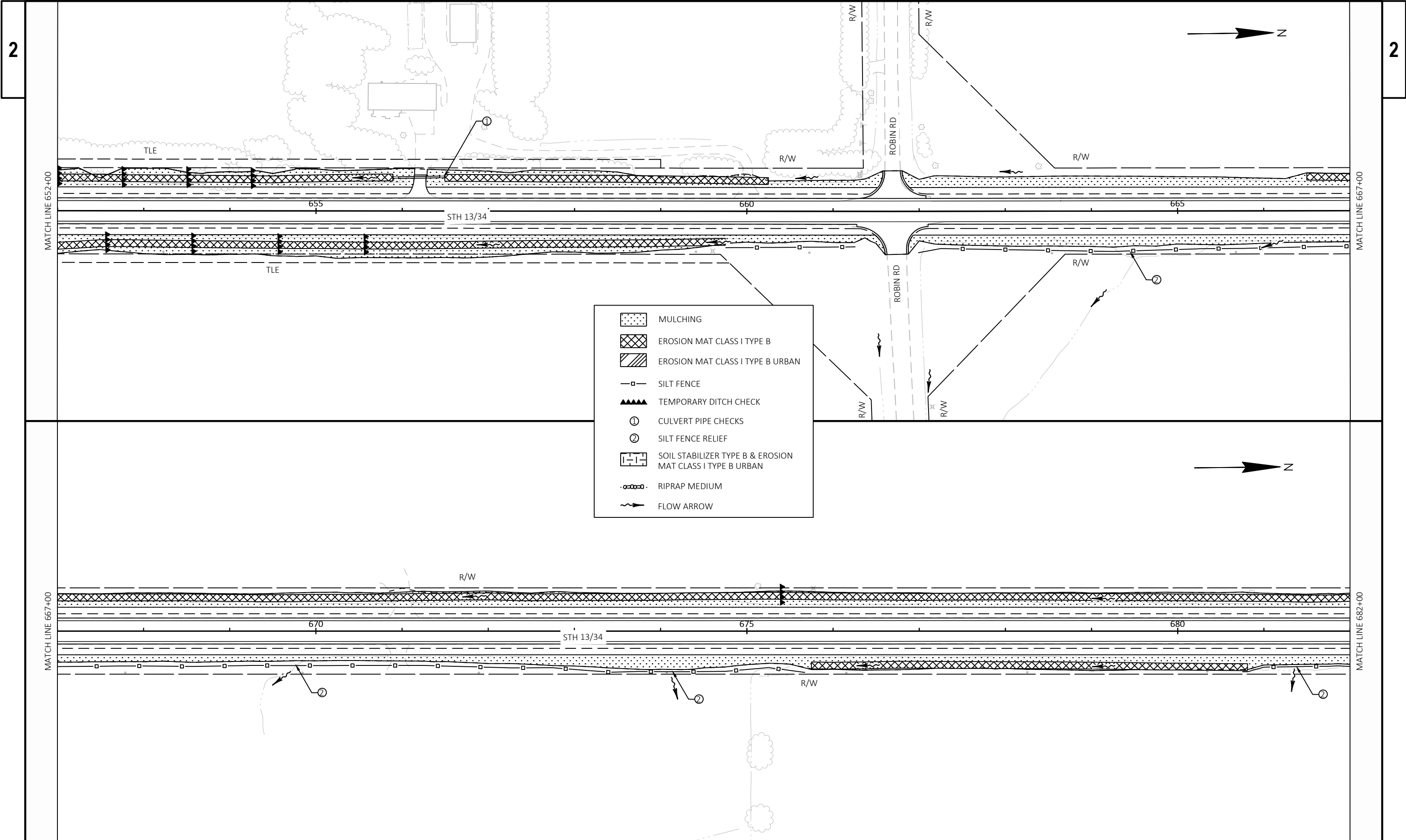


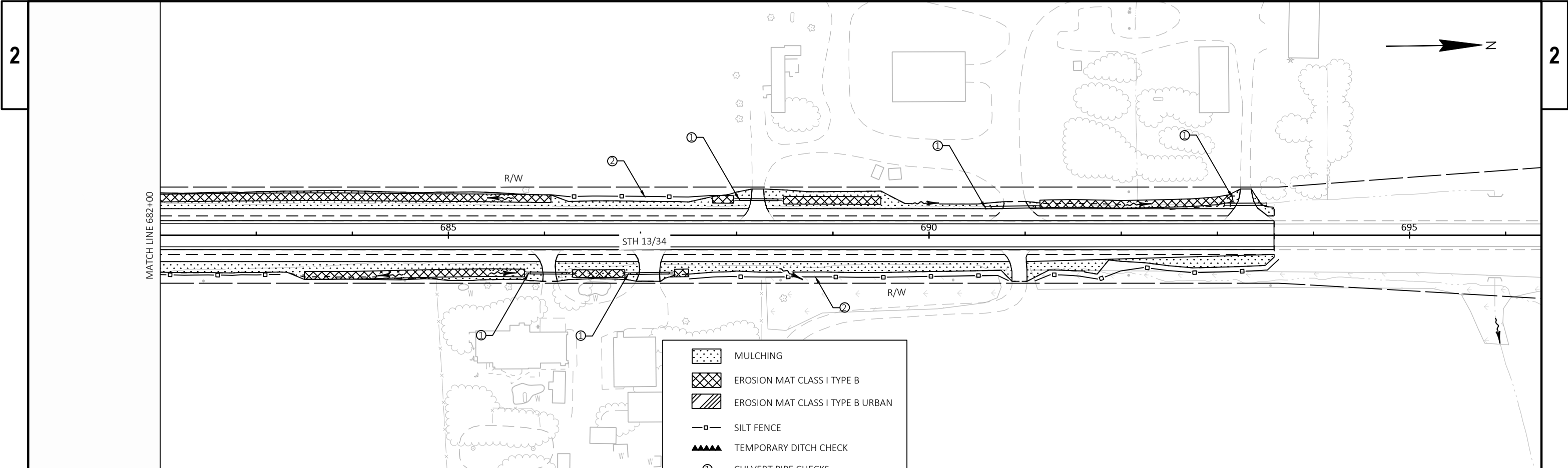




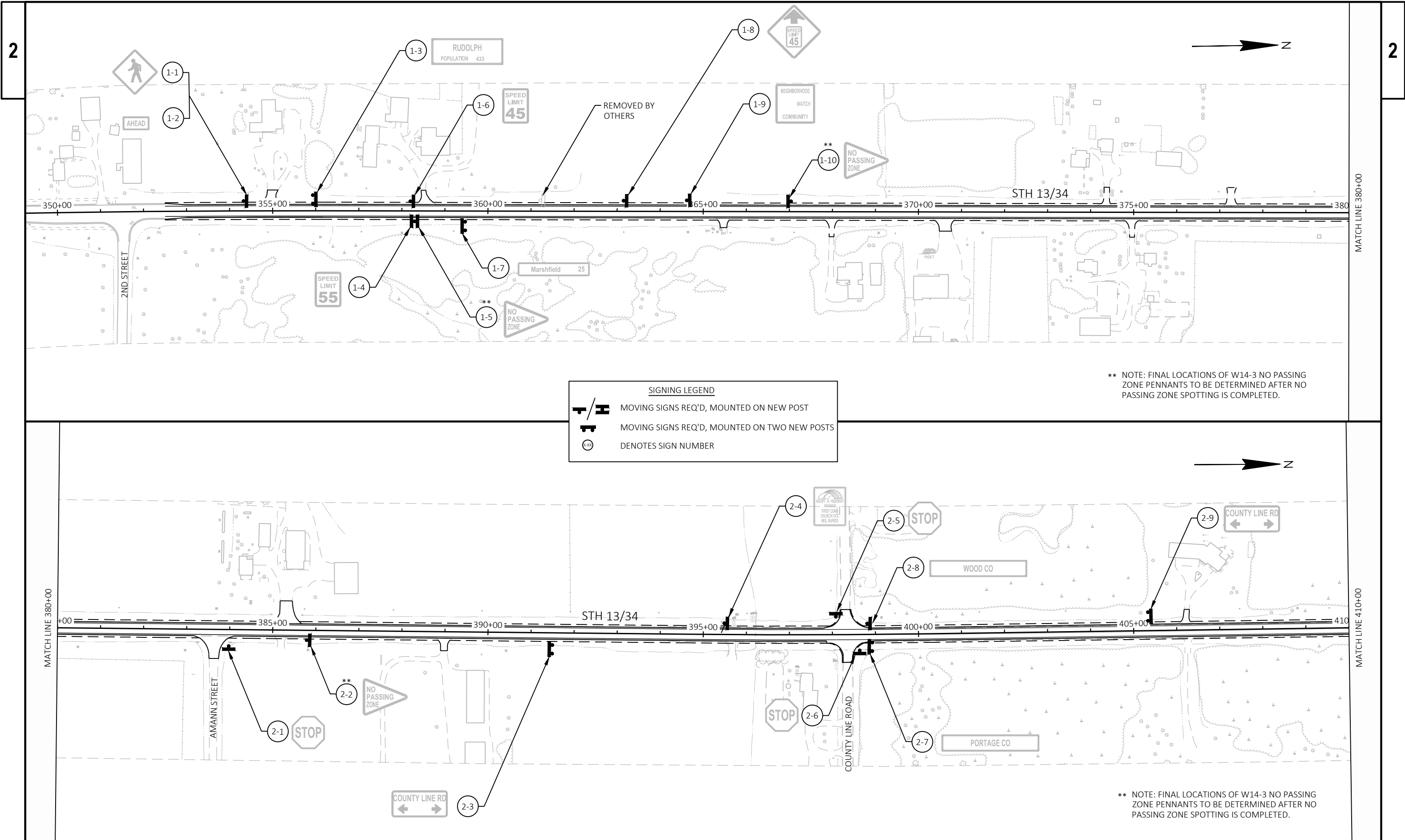


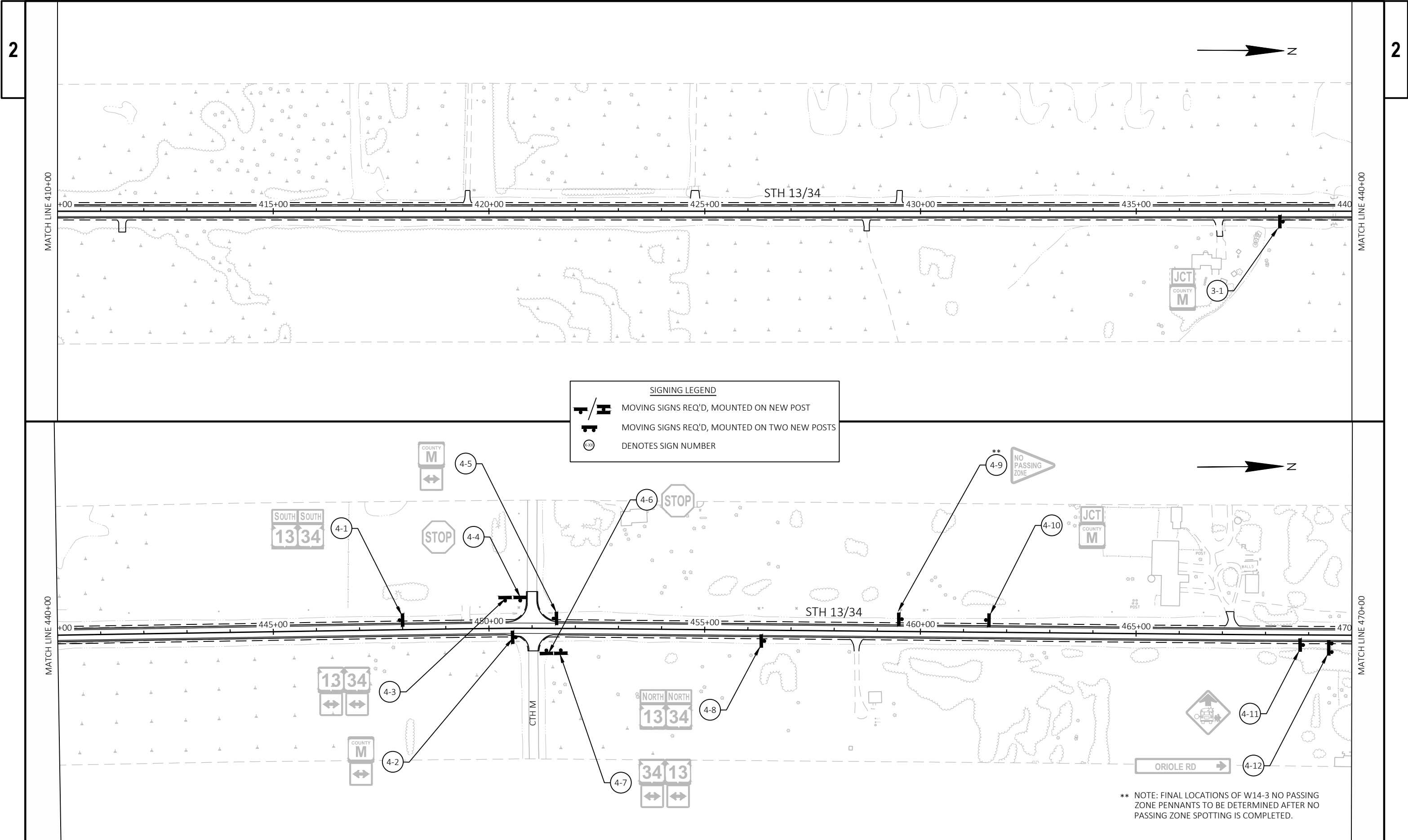


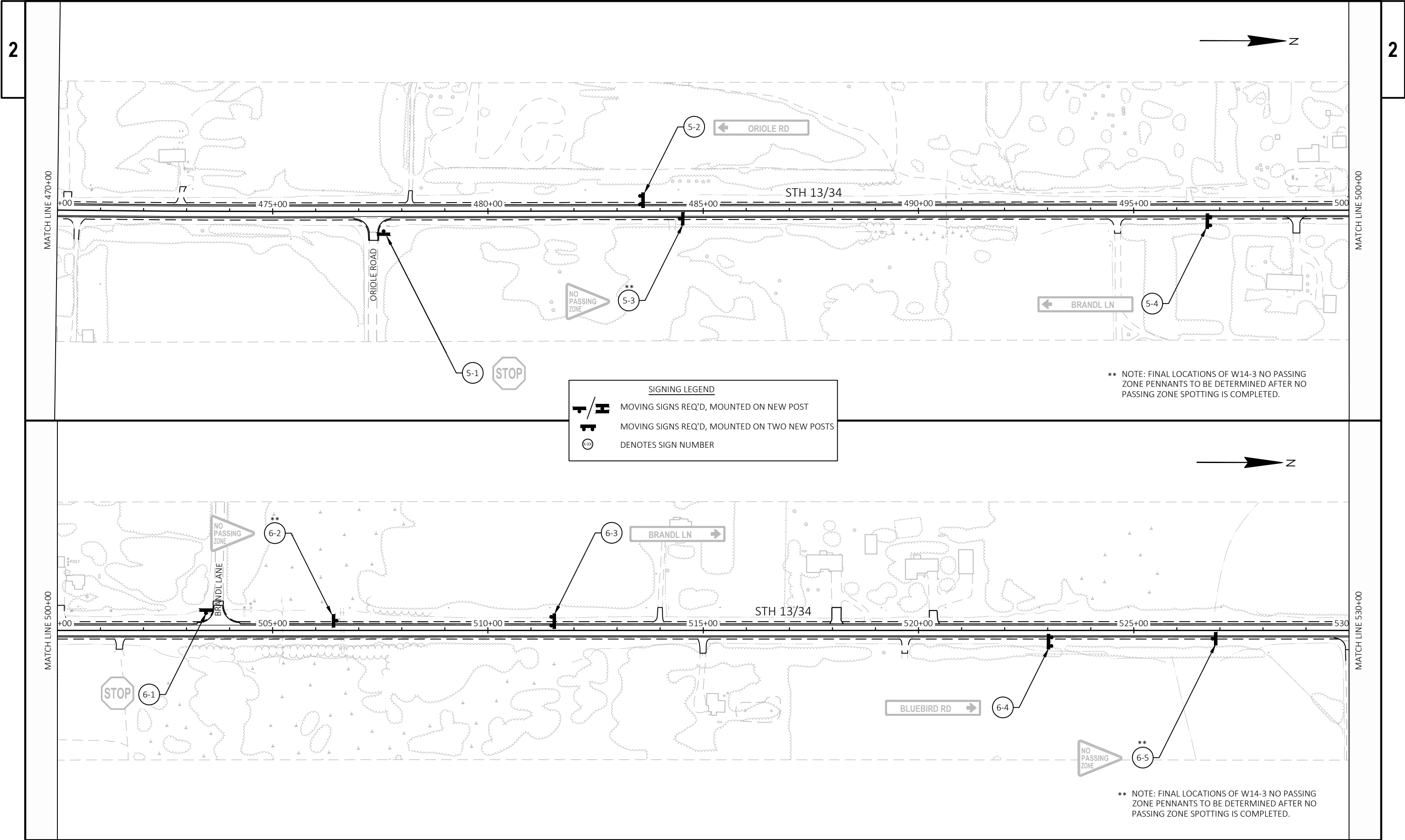


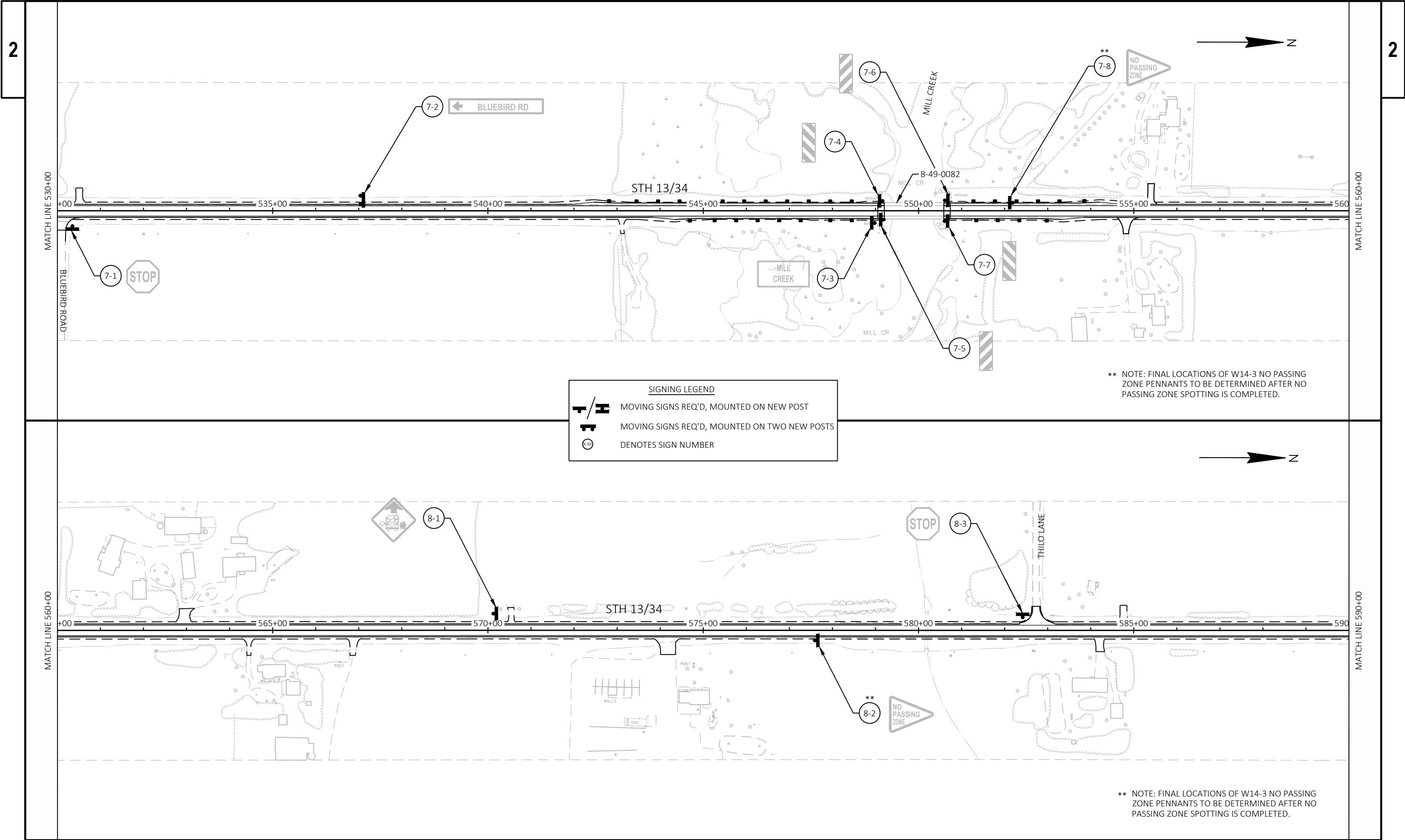


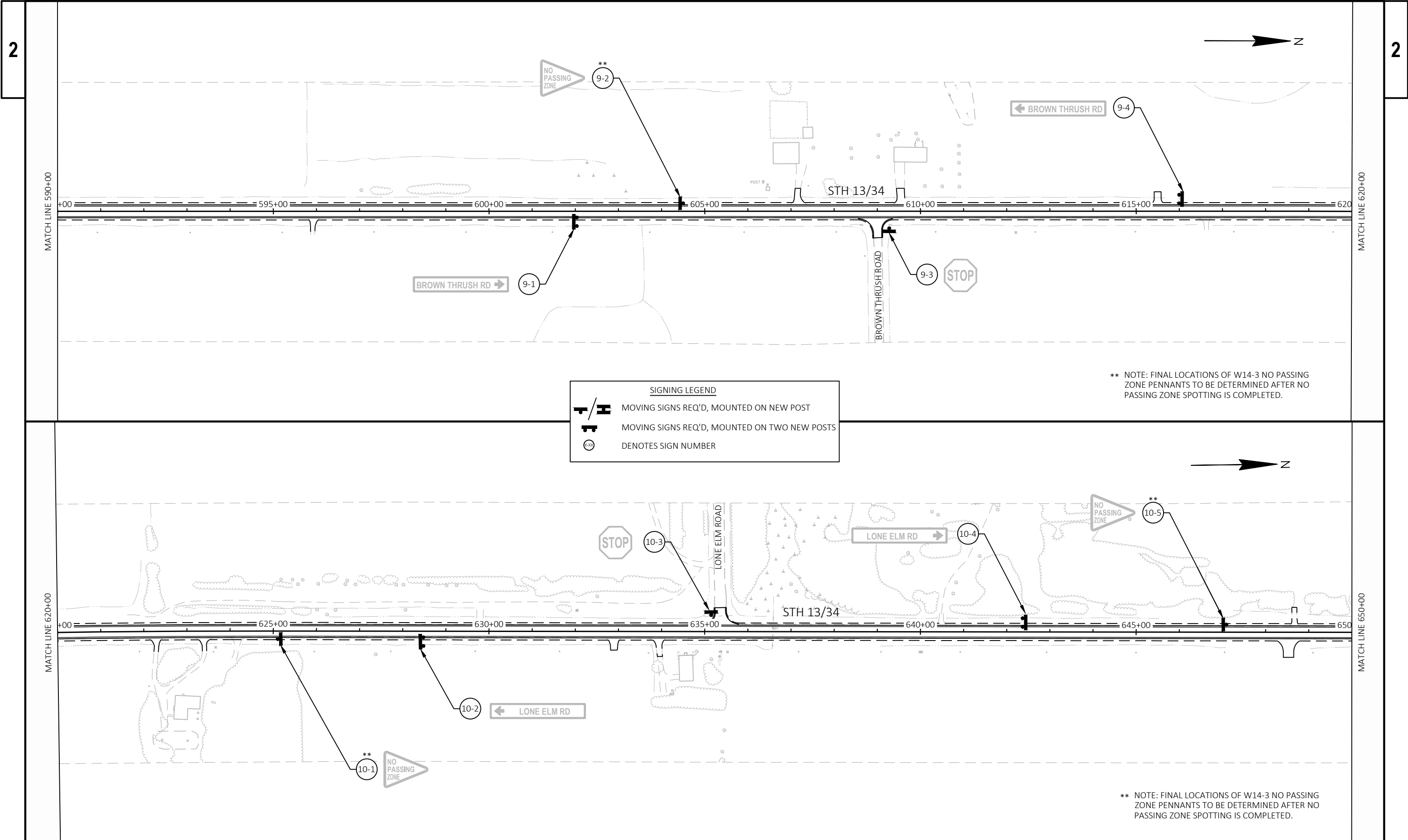
	MULCHING
	EROSION MAT CLASS I TYPE B
	EROSION MAT CLASS I TYPE B URBAN
	SILT FENCE
	TEMPORARY DITCH CHECK
	CULVERT PIPE CHECKS
	SILT FENCE RELIEF
	SOIL STABILIZER TYPE B & EROSION MAT CLASS I TYPE B URBAN
	RIPRAP MEDIUM
	FLOW ARROW











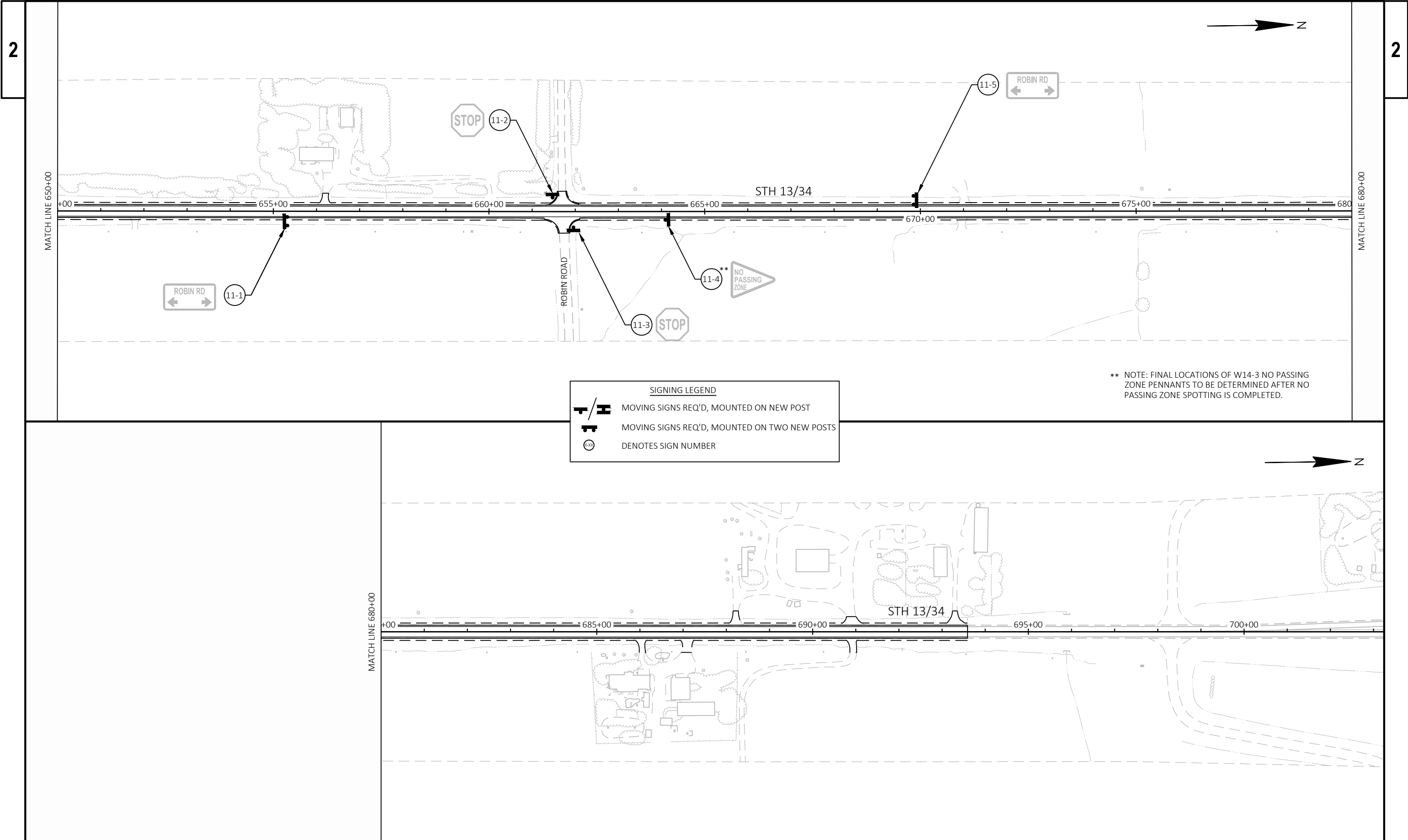
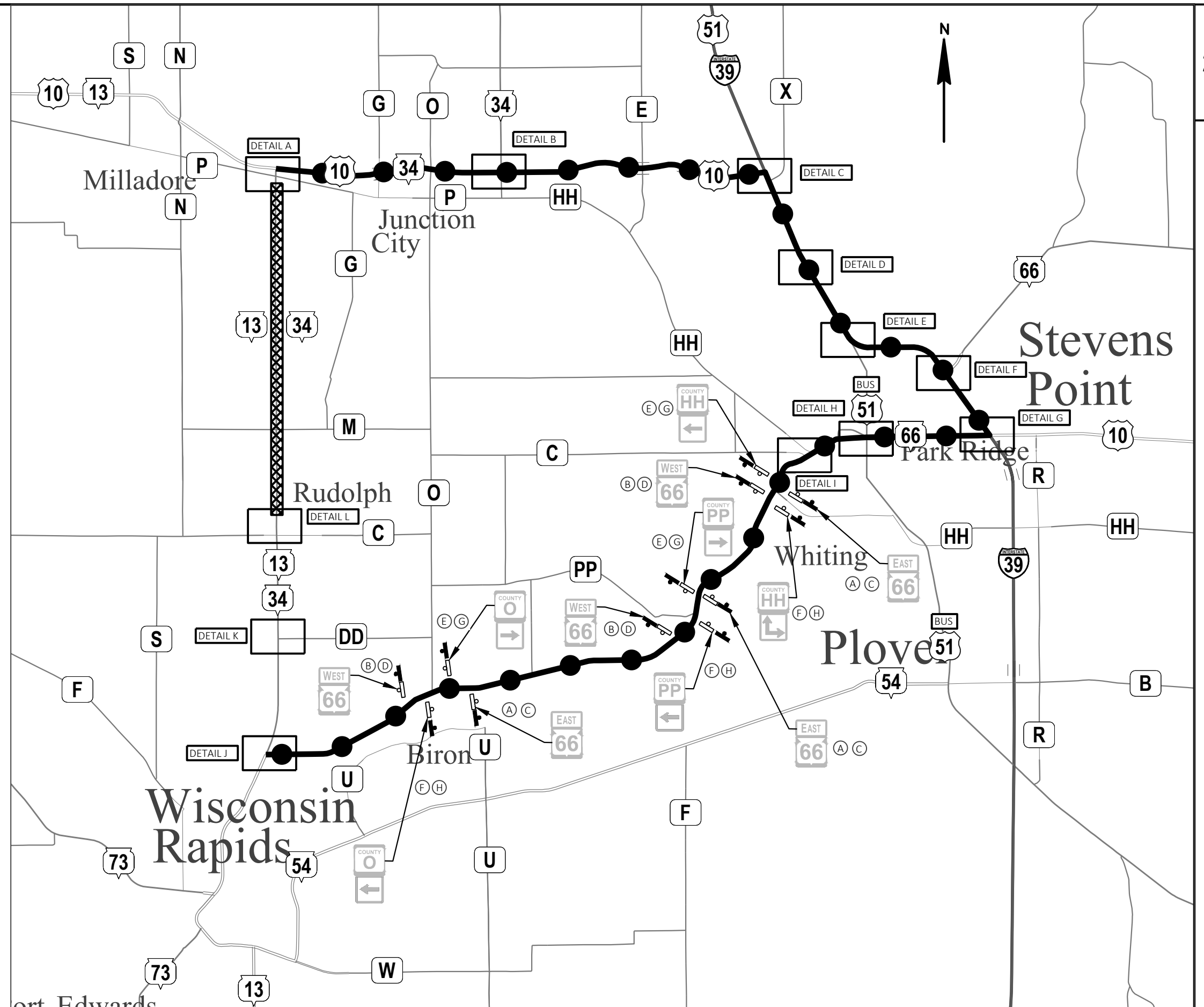


Figure 1 displays eight diagrams (A through H) illustrating different configurations of traffic signs for a left-turn lane. Each diagram shows a sequence of signs: a 'DETOUR' sign, a directional sign (NORTH or SOUTH), a route/number sign (13 or 34), and a 'LEFT TURN' sign. The diagrams are arranged in a 4x2 grid. Diagrams A, C, E, and G show a 'DETOUR' sign above a 'NORTH' sign, while B, D, F, and H show a 'DETOUR' sign above a 'SOUTH' sign. The route/number sign is either 13 or 34. The 'LEFT TURN' sign is either a blue sign with a white arrow or a white sign with a blue arrow. The diagrams are labeled with dimensions: M4-8, M3-1, M1-6, M2-4, M2-1, M2-2, M2-3, M2-4, M2-5, M2-6, M2-7, M2-8, M2-9, M2-10, M2-11, M2-12, M2-13, M2-14, M2-15, M2-16, M2-17, M2-18, M2-19, M2-20, M2-21, M2-22, M2-23, M2-24, M2-25, M2-26, M2-27, M2-28, M2-29, M2-30, M2-31, M2-32, M2-33, M2-34, M2-35, M2-36, M2-37, M2-38, M2-39, M2-40, M2-41, M2-42, M2-43, M2-44, M2-45, M2-46, M2-47, M2-48, M2-49, M2-50, M2-51, M2-52, M2-53, M2-54, M2-55, M2-56, M2-57, M2-58, M2-59, M2-60, M2-61, M2-62, M2-63, M2-64, M2-65, M2-66, M2-67, M2-68, M2-69, M2-70, M2-71, M2-72, M2-73, M2-74, M2-75, M2-76, M2-77, M2-78, M2-79, M2-80, M2-81, M2-82, M2-83, M2-84, M2-85, M2-86, M2-87, M2-88, M2-89, M2-90, M2-91, M2-92, M2-93, M2-94, M2-95, M2-96, M2-97, M2-98, M2-99, M2-100.

	DETOUR ROUTE
	EXISTING TYPE I SIGNS AND POSTS TO REMAIN
	EXISTING SIGNS AND POST(S) TO REMAIN
	WOOD POST(S) WITH ATTACHED SIGN
	EXISTING SIGN (TYP.)
	TRAFFIC CONTROL COVERING SIGNS TYPE II (TYP.)
	WORK ZONE

ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.



- ### SIGN LEGEND *



FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS

BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A
BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B
BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C
DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

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

ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

VICTORY ROAD



② USE ONLY WHEN ROAD IS CLOSED



LEGEND

- DETOUR ROUTE
- EXISTING TYPE I SIGNS TO REMAIN
- EXISTING OVERHEAD SIGN STRUCTURES TO REMAIN
- EXISTING SIGNS AND POST(S) TO REMAIN
- WOOD POST(S) WITH ATTACHED SIGN
- EXISTING SIGN (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE I (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE II (TYP.)
- WORK ZONE
- TYPE III BARRICADE WITH ATTACHED SIGN

SIGN LEGEND *

- | | | | |
|--------------------|-------------------|------------------|-----------------|
| M3-1
24"x12" | MO5-1L
21"x21" | MO6-1
21"x21" | M1-6
24"x24" |
| M3-2
24"x12" | MO5-1R
21"x21" | MO6-1
21"x21" | M1-6
24"x24" |
| M3-3
24"x12" | MO5-2R
21"x21" | MO6-1
21"x21" | |
| M3-4
24"x12" | MO5-2L
21"x21" | MO6-2
21"x21" | |
| M4-8
24"x12" | MO5-2L
21"x21" | MO6-2
21"x21" | |
| MO4-20R
24"x24" | | | |

* SIGNS TO FOLLOW SIGN LEGEND UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES

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

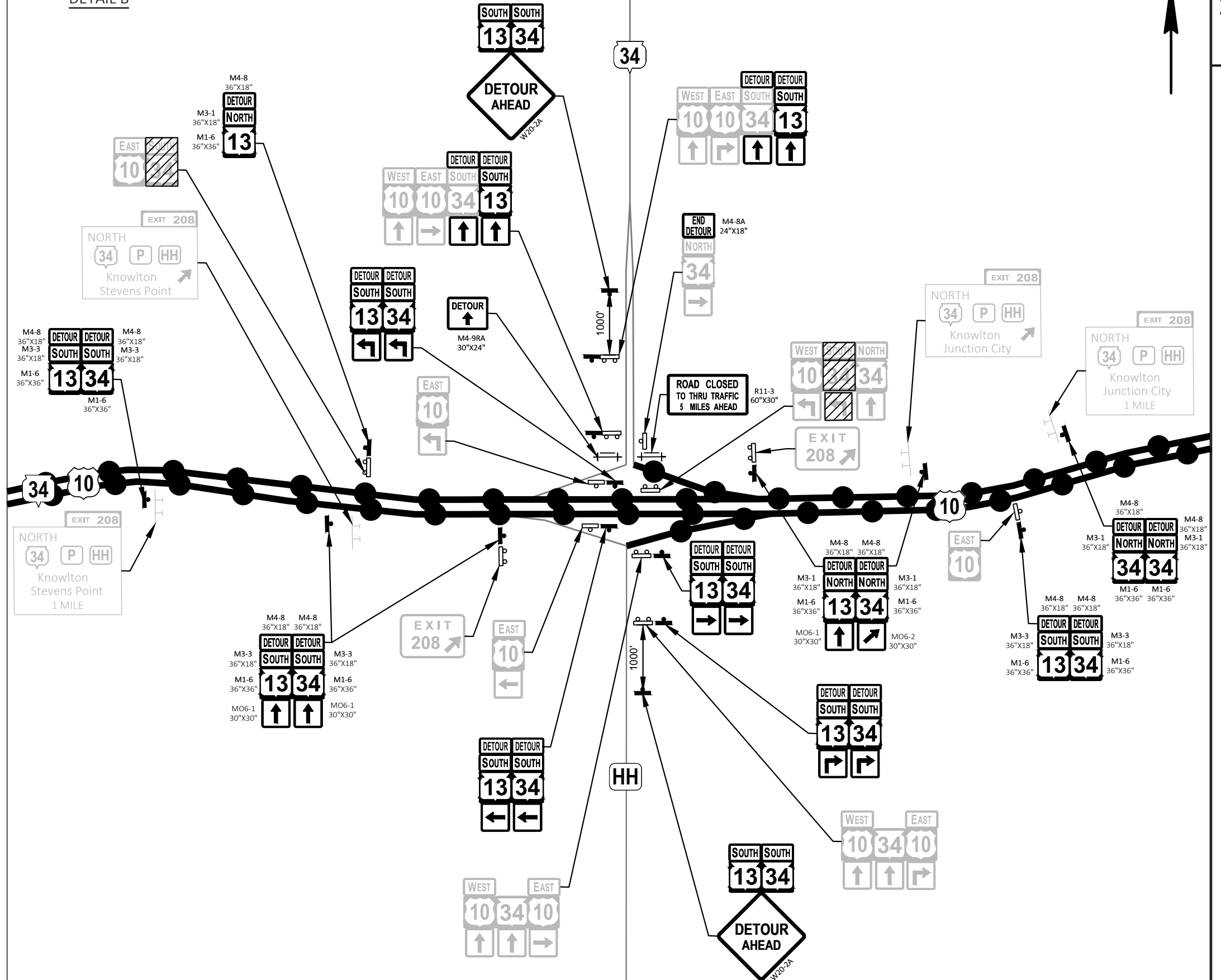
ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

DETAIL B



LEGEND

- DETOUR ROUTE
- EXISTING TYPE I SIGNS TO REMAIN
- EXISTING OVERHEAD SIGN STRUCTURES TO REMAIN
- EXISTING SIGNS AND POST(S) TO REMAIN
- WOOD POST(S) WITH ATTACHED SIGN
- 73 EXISTING SIGN (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE I (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE II (TYP.)
- WORK ZONE
- TYPE III BARRICADE WITH ATTACHED SIGN

SIGN LEGEND *

NORTH	M3-1 24"x12"	←	MO5-1L 21"x21"	←	MO6-1 21"x21"	13	M1-6 24"x24"
EAST	M3-2 24"x12"	→	MO5-1R 21"x21"	→	MO6-1 21"x21"	34	M1-6 24"x24"
SOUTH	M3-3 24"x12"	↘	MO5-2R 21"x21"	↘	MO6-1 21"x21"		
WEST	M3-4 24"x12"	↙	MO5-2L 21"x21"	↙	MO6-2 21"x21"		
DETOUR	M4-8 24"x12"	↖			MO6-2 21"x21"		
USE RIGHT LANE	MO4-20R 24"x24"	↗					

* SIGNS TO FOLLOW SIGN LEGEND UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES

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

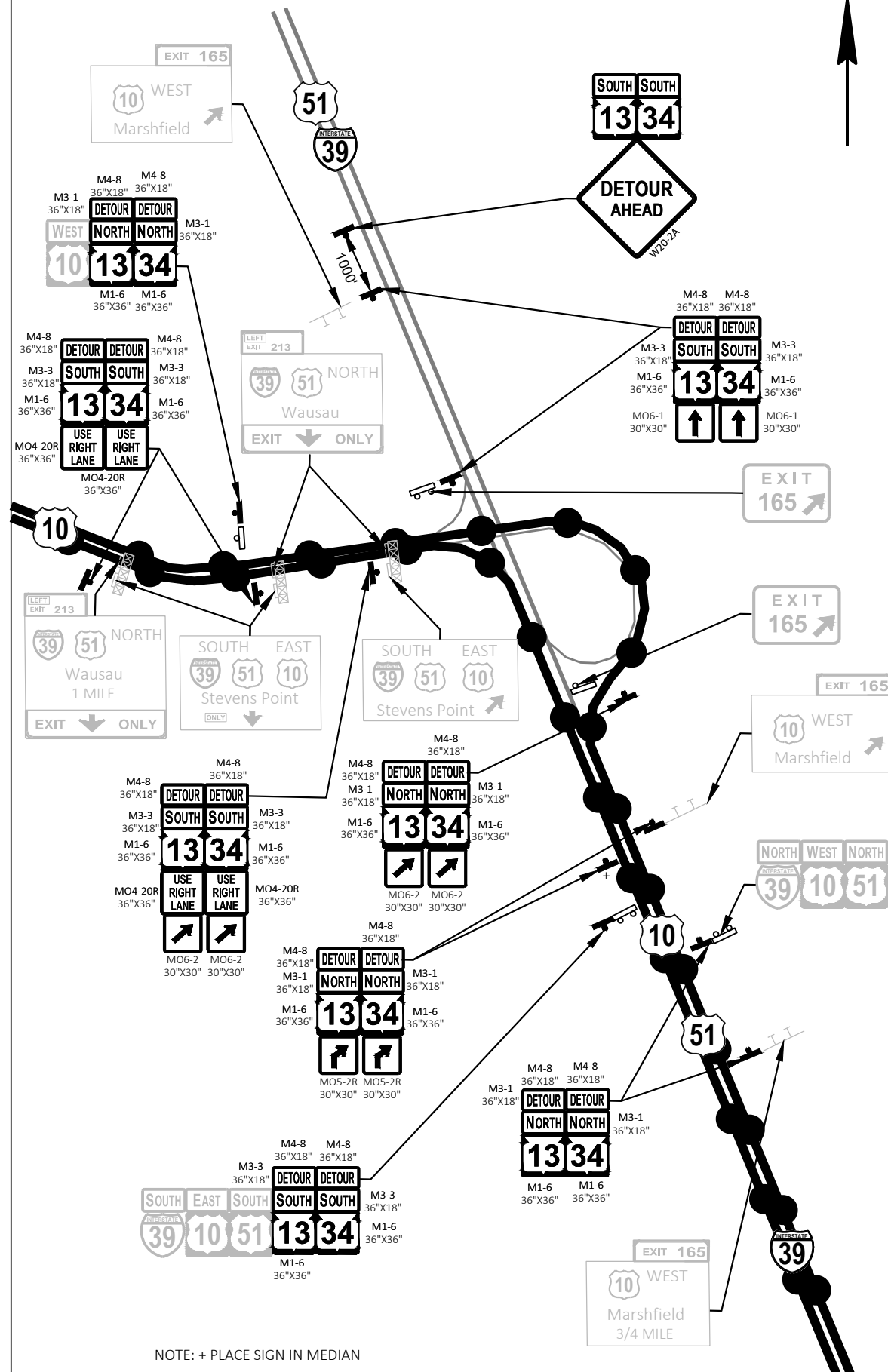
ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

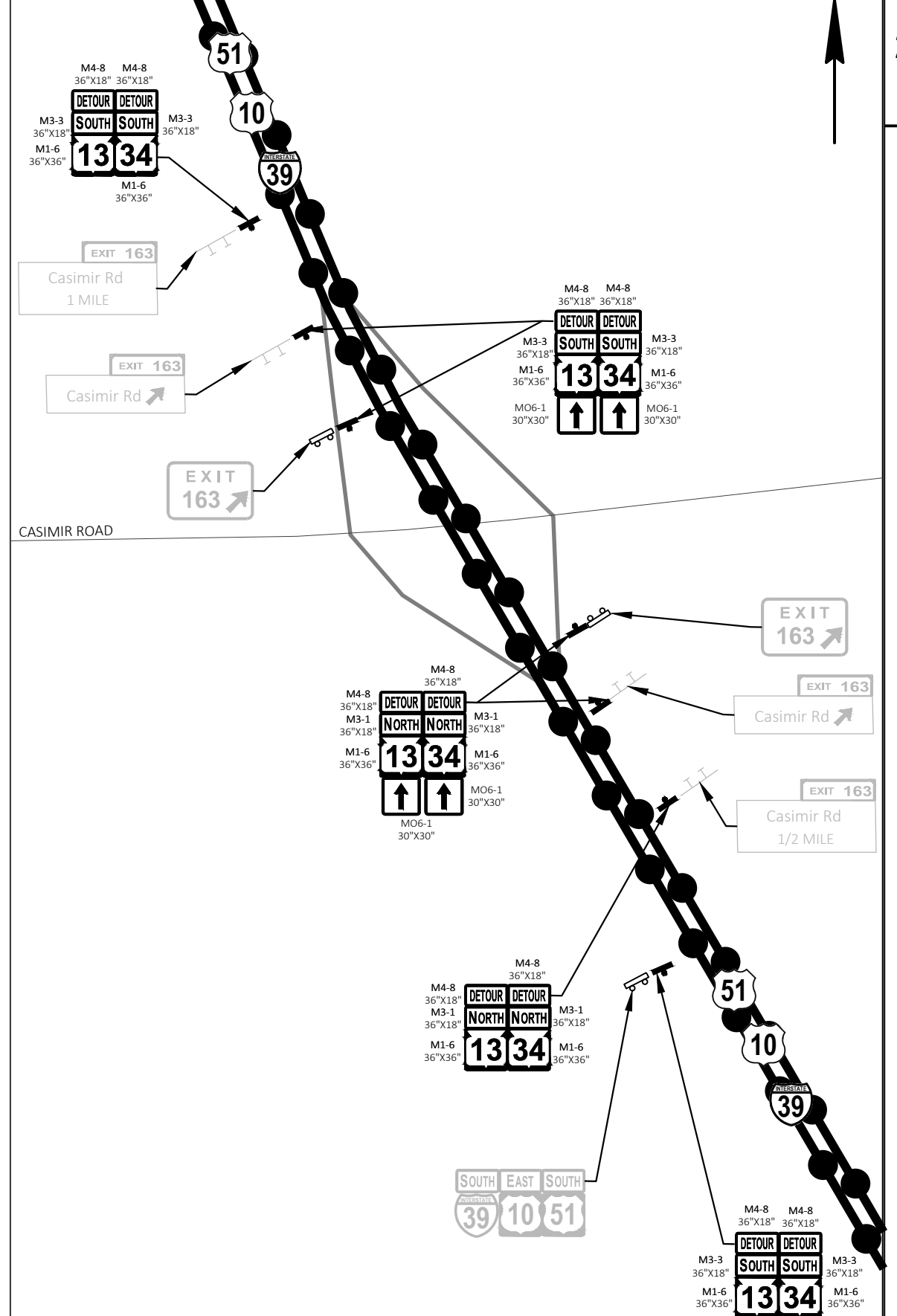
DETAIL C



NOTE: + PLACE SIGN IN MEDIAN

N

DETAIL D



N

PROJECT NO: 6340-00-74

HWY: STH 13

COUNTY: WOOD/PORTAGE

DETOUR

SHEET

36

E

LEGEND

- DETOUR ROUTE
- EXISTING TYPE I SIGNS TO REMAIN
- EXISTING OVERHEAD SIGN STRUCTURES TO REMAIN
- EXISTING SIGNS AND POST(S) TO REMAIN
- WOOD POST(S) WITH ATTACHED SIGN
- EXISTING SIGN (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE I (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE II (TYP.)
- WORK ZONE
- TYPE III BARRICADE WITH ATTACHED SIGN

SIGN LEGEND *

NORTH	M3-1 24"x12"	LEFT	MO5-1L 21"x21"	LEFT	MO6-1 21"x21"	13	M1-6 24"x24"
EAST	M3-2 24"x12"	RIGHT	MO5-1R 21"x21"	LEFT	MO6-1 21"x21"	34	M1-6 24"x24"
SOUTH	M3-3 24"x12"	LEFT	MO5-2R 21"x21"	LEFT	MO6-1 21"x21"		
WEST	M3-4 24"x12"	RIGHT	MO5-2L 21"x21"	LEFT	MO6-2 21"x21"		
DETOUR	M4-8 24"x12"	LEFT		RIGHT	MO6-2 21"x21"		
USE RIGHT LANE	MO4-20R 24"x24"						

* SIGNS TO FOLLOW SIGN LEGEND UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES

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

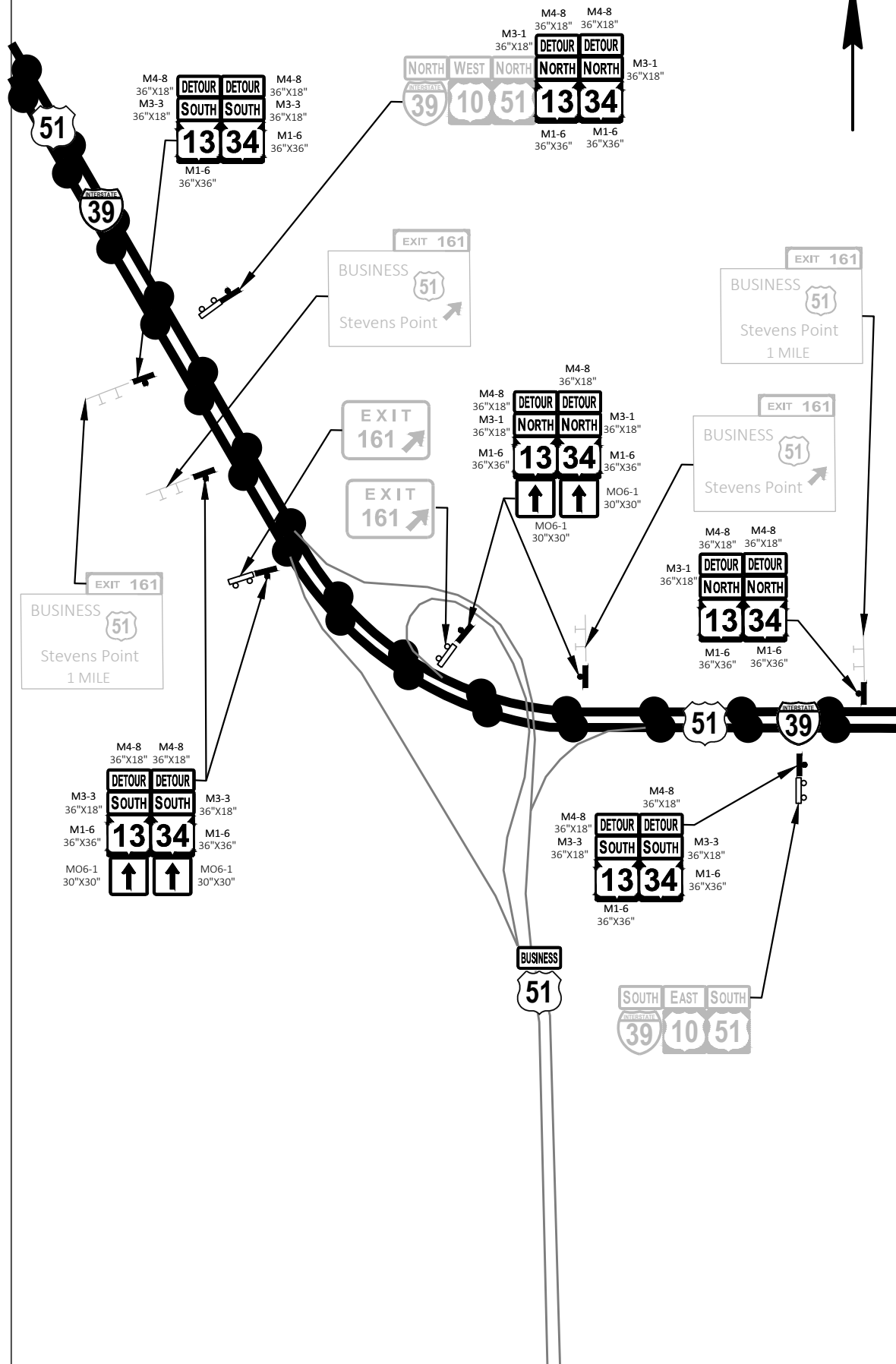
ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

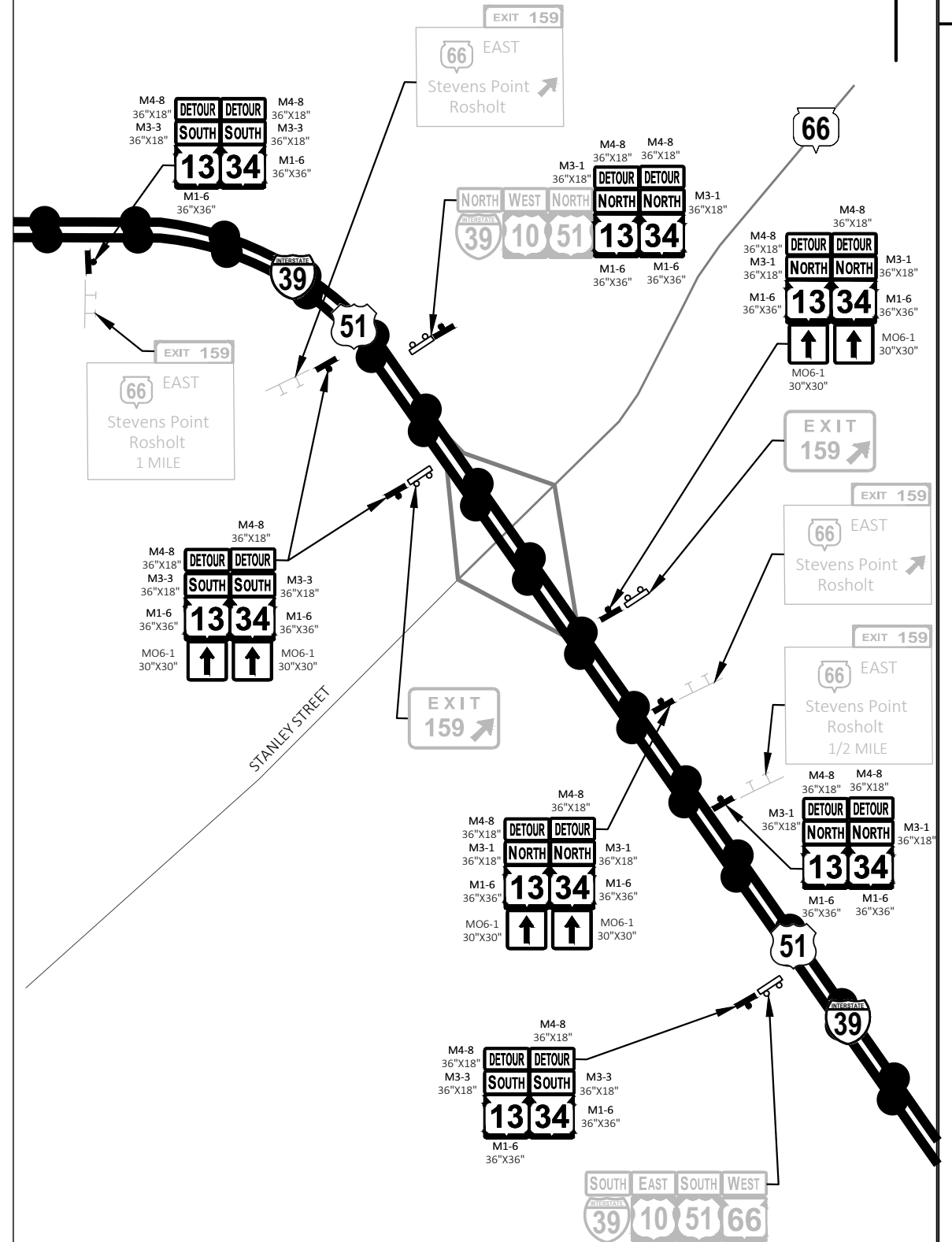
ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

DETAIL E



DETAIL F



LEGEND

- DETOUR ROUTE
- EXISTING TYPE I SIGNS TO REMAIN
- EXISTING OVERHEAD SIGN STRUCTURES TO REMAIN
- EXISTING SIGNS AND POST(S) TO REMAIN
- WOOD POST(S) WITH ATTACHED SIGN
- EXISTING SIGN (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE I (TYP.)
- TRAFFIC CONTROL COVERING SIGNS TYPE II (TYP.)
- WORK ZONE
- TYPE III BARRICADE WITH ATTACHED SIGN

SIGN LEGEND *

M3-1 24"x12"	MO5-1L 21"x21"	MO6-1 21"x21"	M1-6 24"x24"
M3-2 24"x12"	MO5-1R 21"x21"	MO6-1 21"x21"	M1-6 24"x24"
M3-3 24"x12"	MO5-2R 21"x21"	MO6-1 21"x21"	
M3-4 24"x12"	MO5-2L 21"x21"	MO6-2 21"x21"	
M4-8 24"x12"	MO5-2L 21"x21"	MO6-2 21"x21"	
MO4-20R 24"x24"			

* SIGNS TO FOLLOW SIGN LEGEND UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES

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

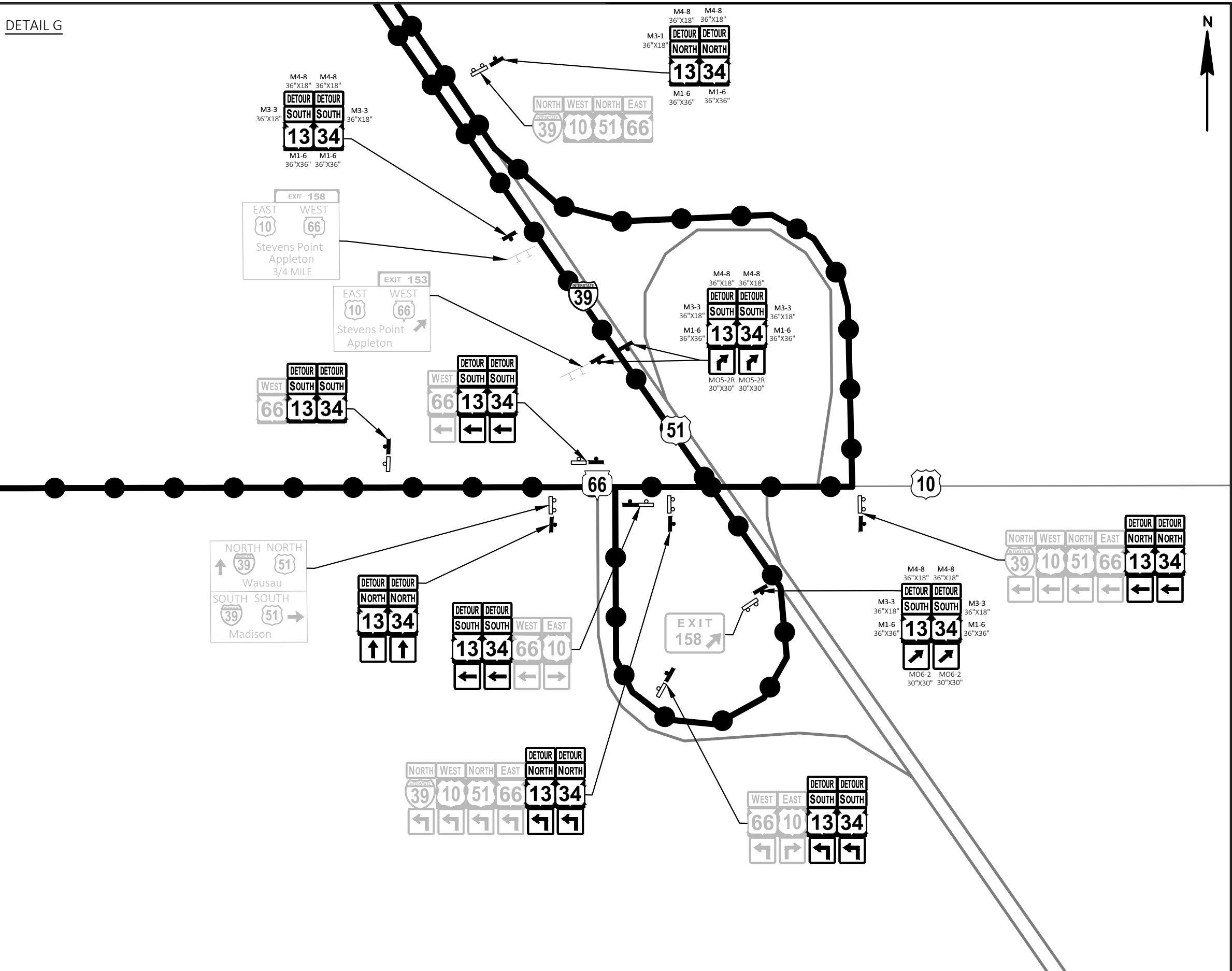
ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

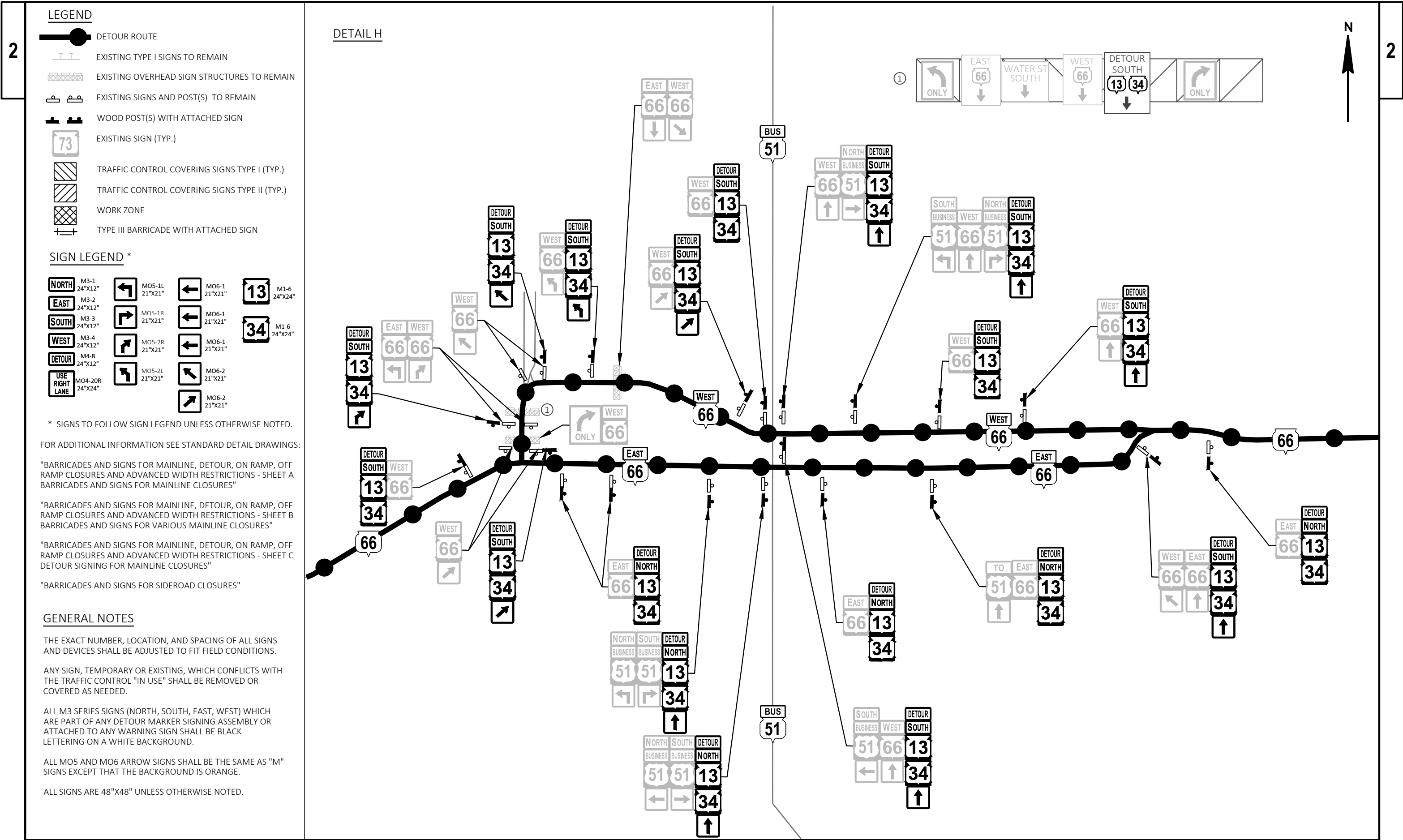
ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

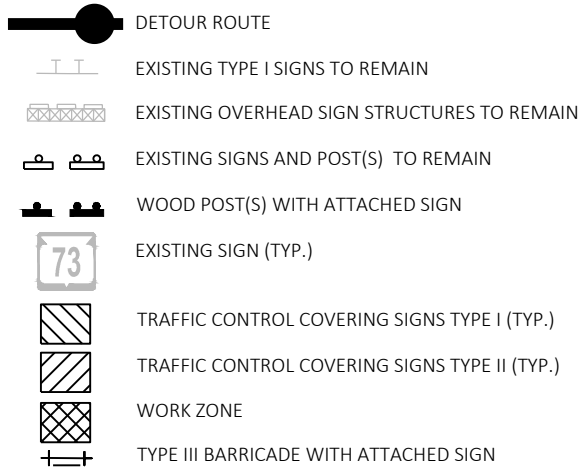
ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

DETAIL G

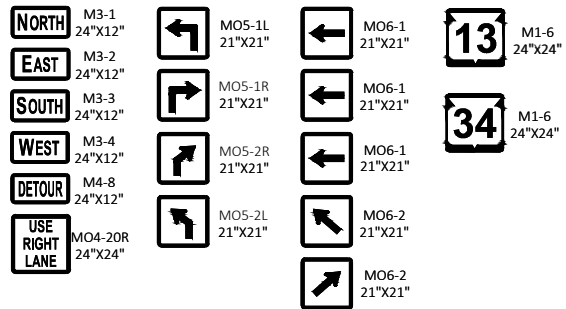




LEGEND



SIGN LEGEND *



* SIGNS TO FOLLOW SIGN LEGEND UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A
BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B
BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C
DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES

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

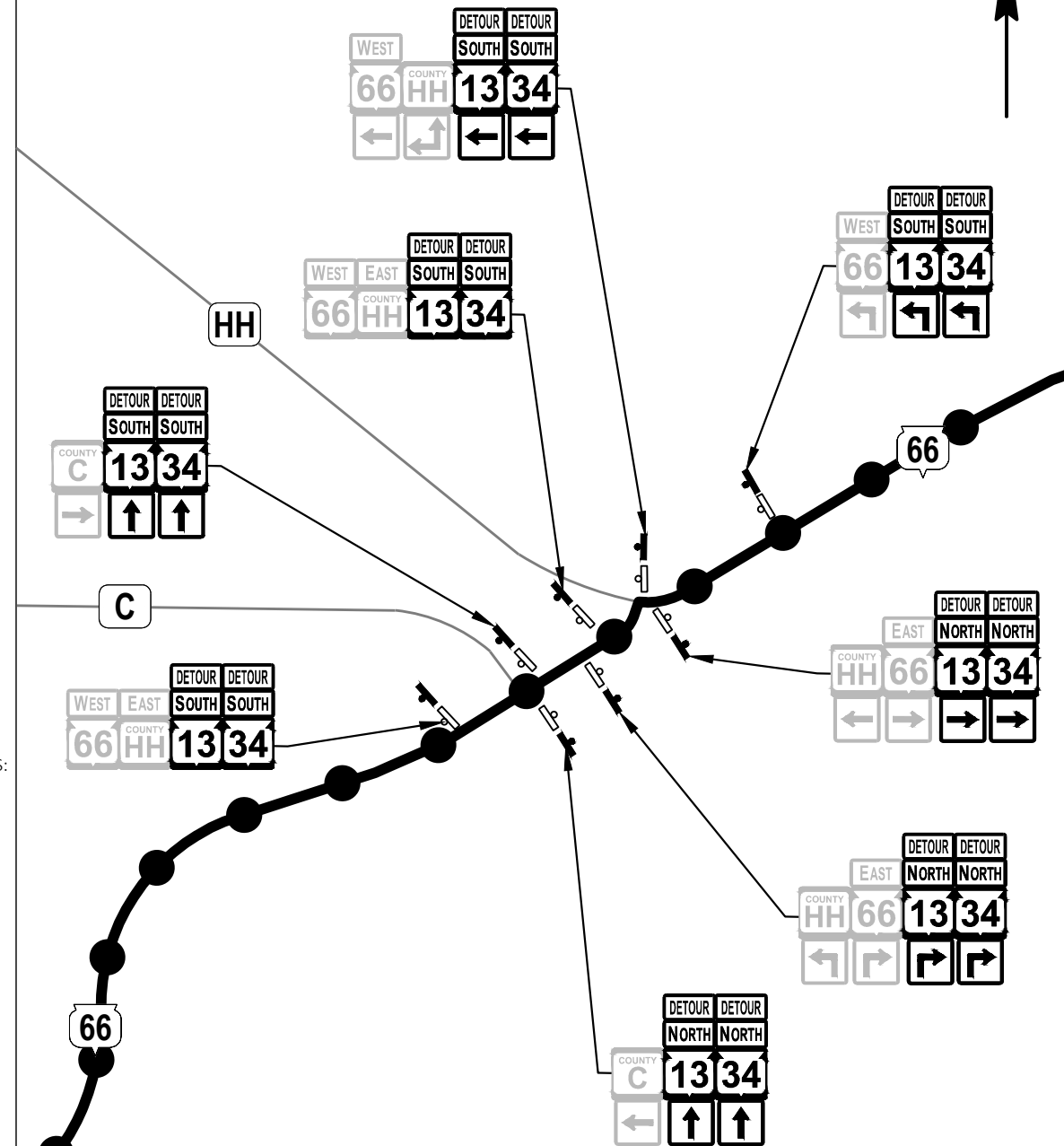
ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

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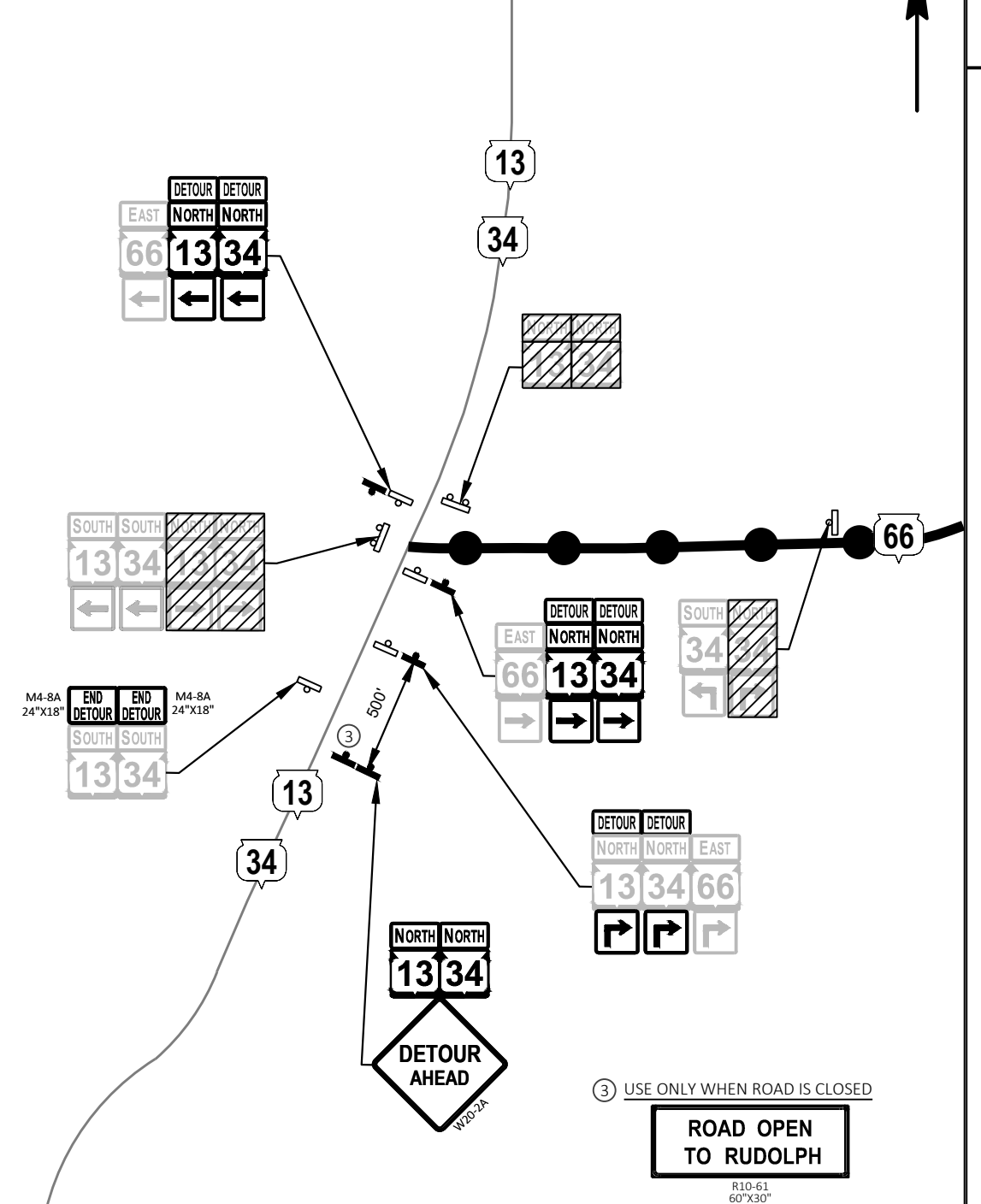
ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

DETAIL I



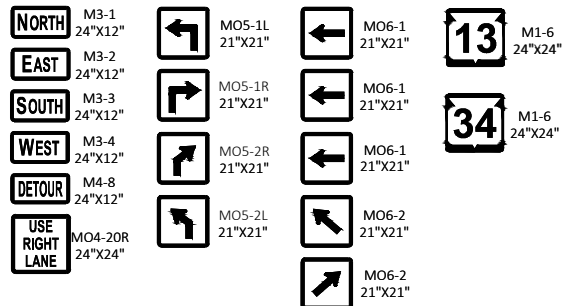
DETAIL J



LEGEND



SIGN LEGEND *



* SIGNS TO FOLLOW SIGN LEGEND UNLESS OTHERWISE NOTED.

FOR ADDITIONAL INFORMATION SEE STANDARD DETAIL DRAWINGS:

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET A
BARRICADES AND SIGNS FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET B
BARRICADES AND SIGNS FOR VARIOUS MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR MAINLINE, DETOUR, ON RAMP, OFF RAMP CLOSURES AND ADVANCED WIDTH RESTRICTIONS - SHEET C
DETOUR SIGNING FOR MAINLINE CLOSURES"

"BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"

GENERAL NOTES

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

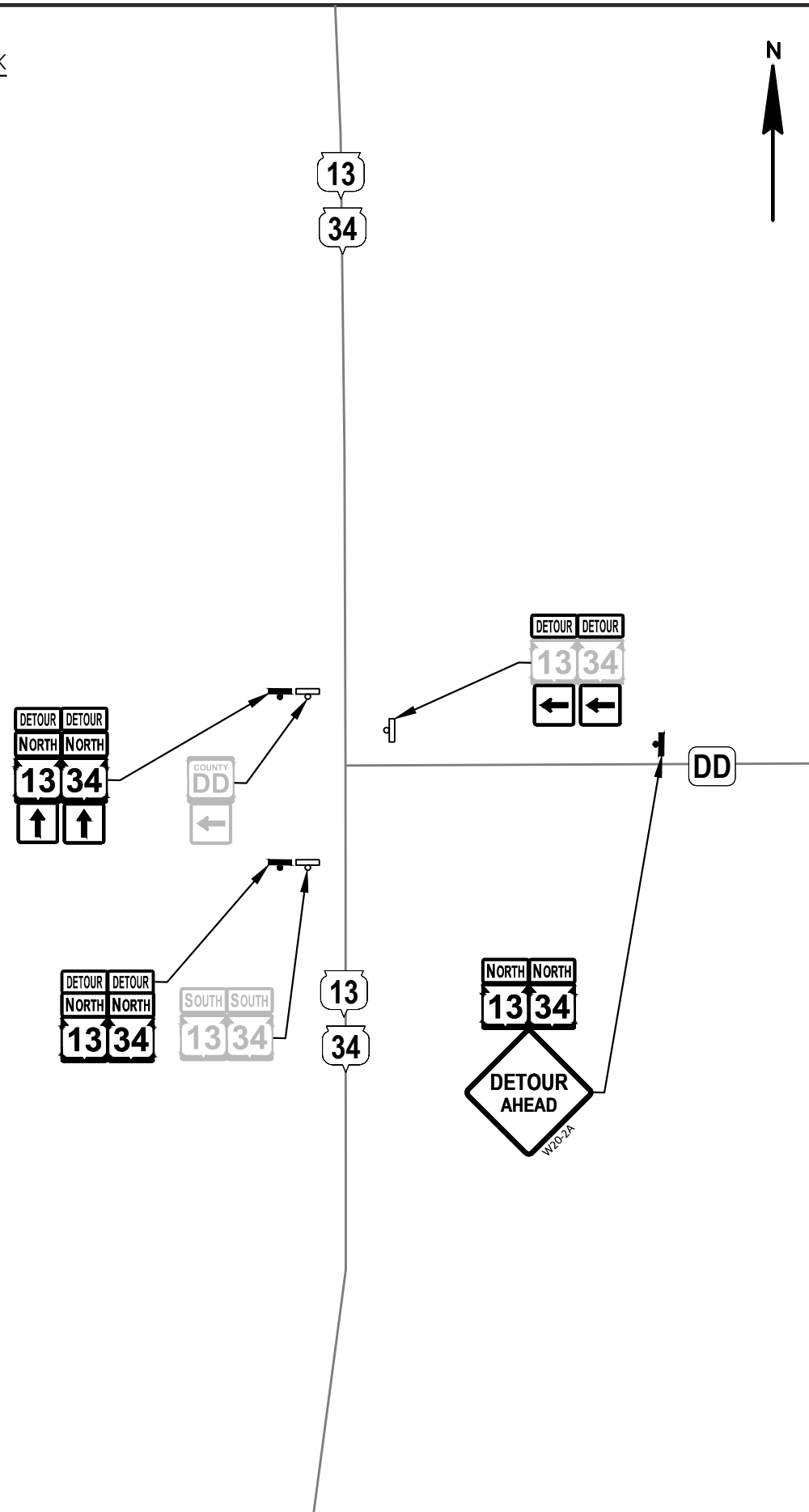
ANY SIGN, TEMPORARY OR EXISTING, WHICH CONFLICTS WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED.

ALL M3 SERIES SIGNS (NORTH, SOUTH, EAST, WEST) WHICH ARE PART OF ANY DETOUR MARKER SIGNING ASSEMBLY OR ATTACHED TO ANY WARNING SIGN SHALL BE BLACK LETTERING ON A WHITE BACKGROUND.

ALL MO5 AND MO6 ARROW SIGNS SHALL BE THE SAME AS "M" SIGNS EXCEPT THAT THE BACKGROUND IS ORANGE.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

DETAIL K



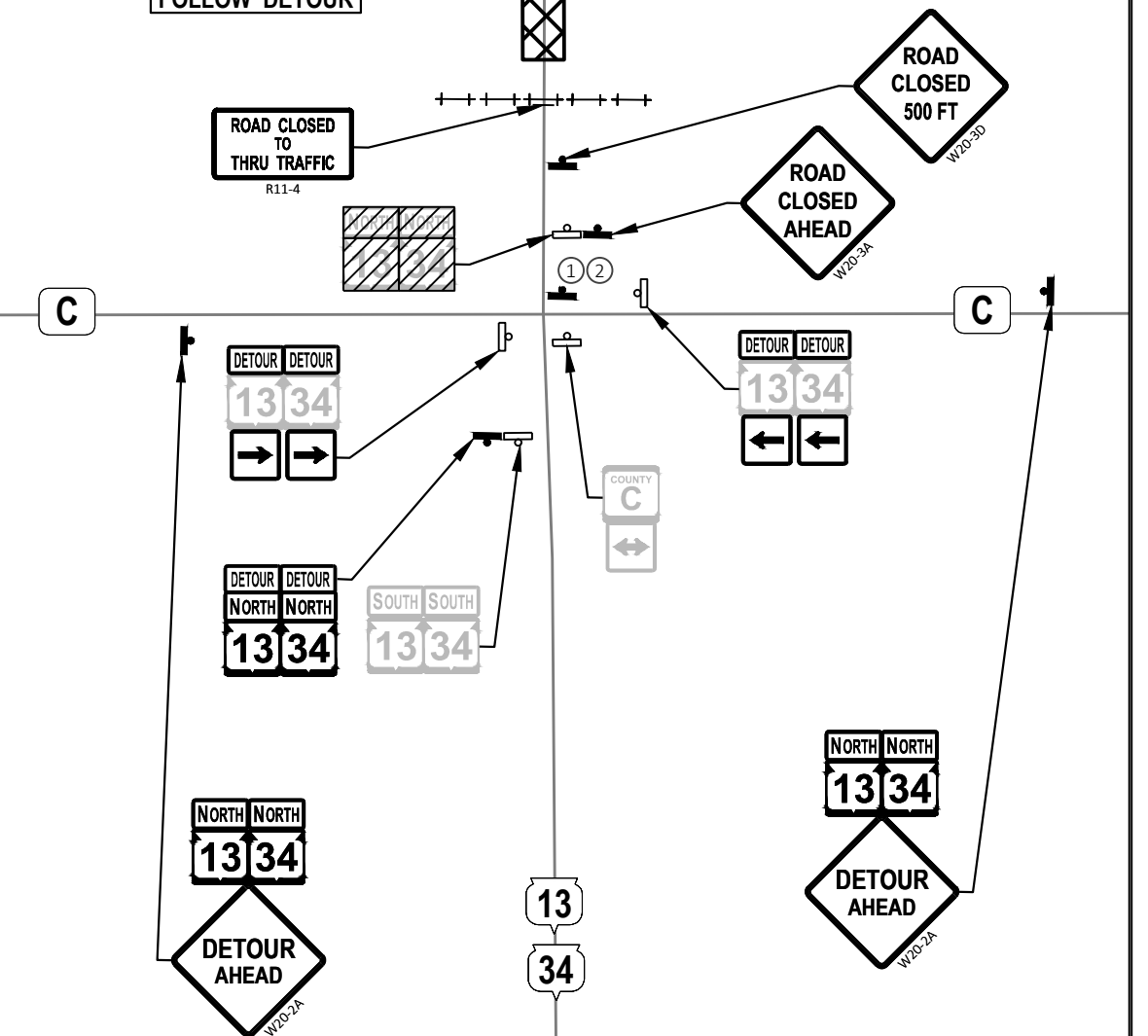
DETAIL L

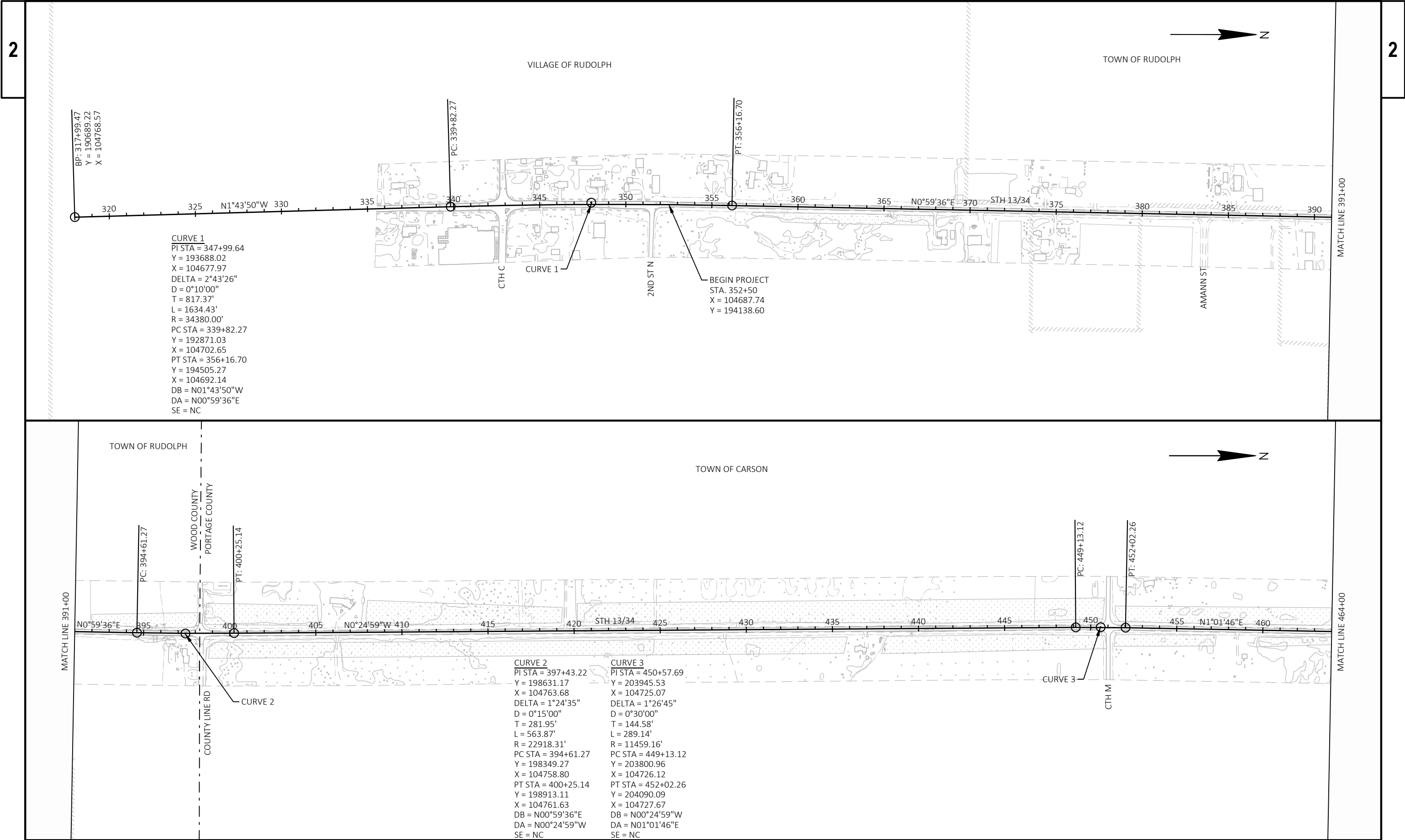
① INSTALL 7 DAYS BEFORE CONSTRUCTION START



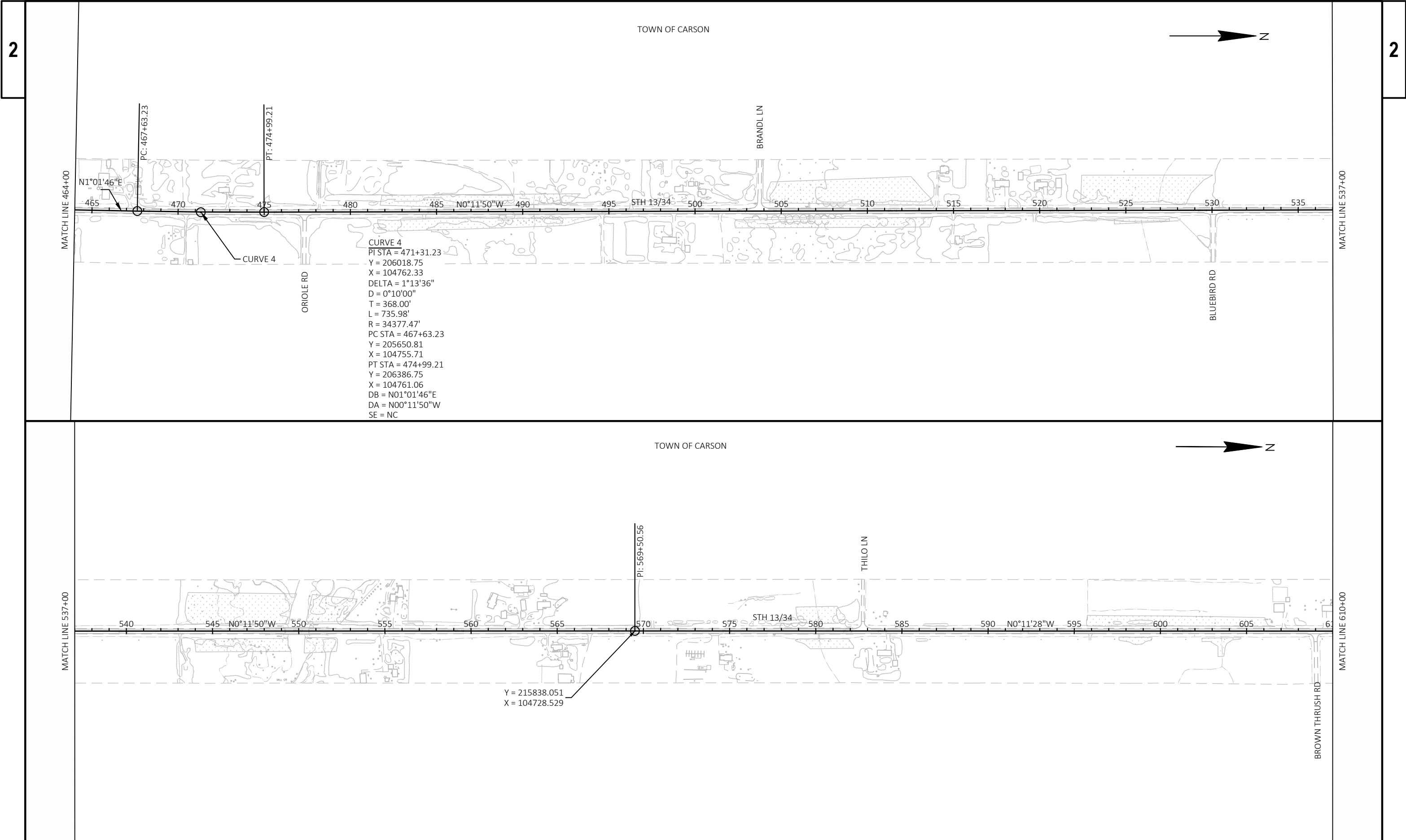
G20-570
72"X36"

② USE ONLY WHEN ROAD IS CLOSED

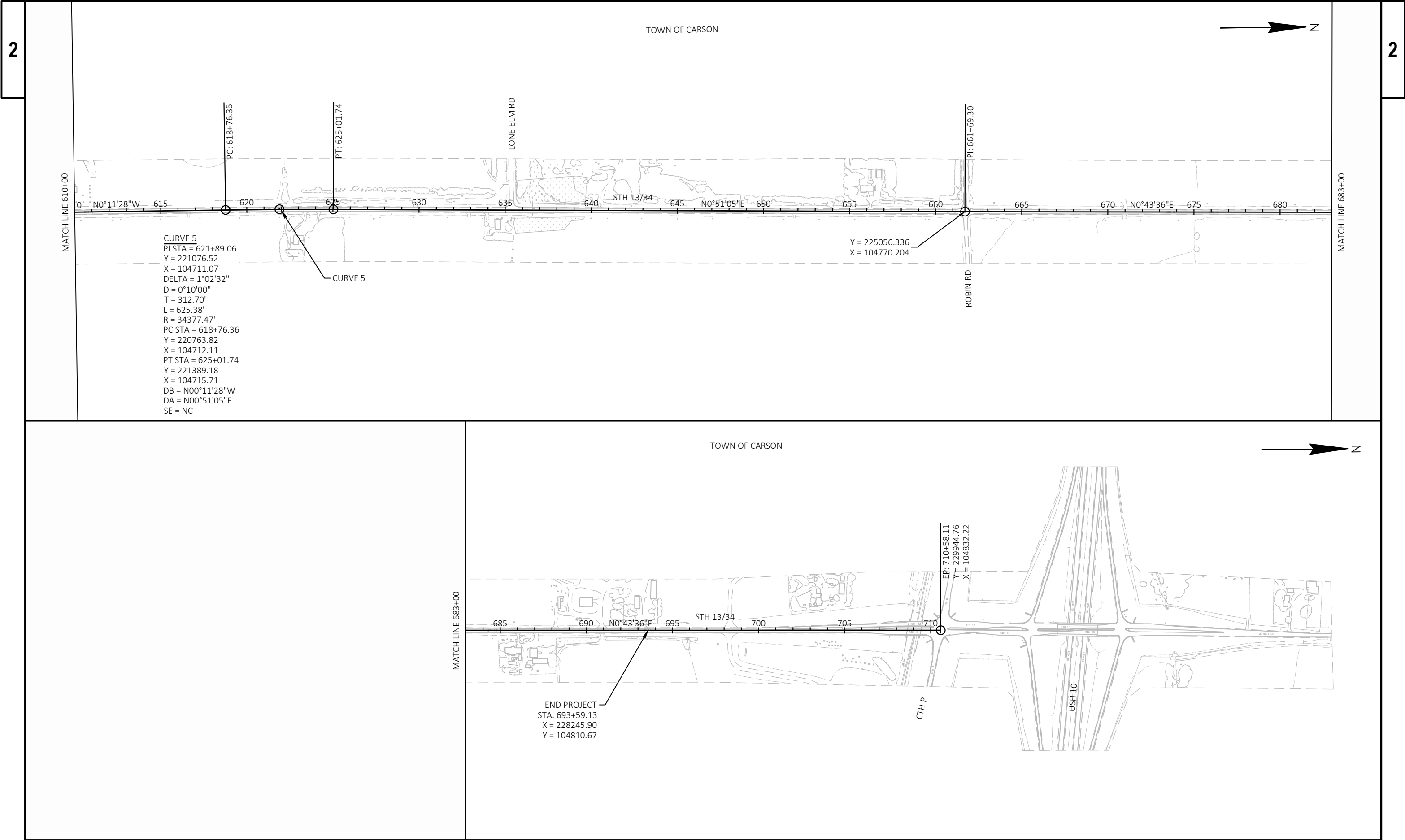




PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	ALIGNMENT DETAILS	SHEET 42	E
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PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	ALIGNMENT DETAILS	SHEET 43	E
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Estimate Of Quantities

6340-00-74					
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	133.000	133.000
0004	201.0120	Clearing	ID	144.000	144.000
0006	201.0205	Grubbing	STA	133.000	133.000
0008	201.0220	Grubbing	ID	144.000	144.000
0010	203.0100	Removing Small Pipe Culverts	EACH	78.000	78.000
0012	204.0100	Removing Concrete Pavement	SY	110.000	110.000
0014	204.0110	Removing Asphaltic Surface	SY	6,110.000	6,110.000
0016	204.0165	Removing Guardrail	LF	465.000	465.000
0018	204.0170	Removing Fence	LF	2,160.000	2,160.000
0020	204.9060.S	Removing (item description) 01. Removing Post	EACH	30.000	30.000
0022	205.0100	Excavation Common	CY	30,321.000	30,321.000
0024	208.0100	Borrow	CY	27,619.000	27,619.000
0026	211.0101	Prepare Foundation for Asphaltic Paving (project) 01. 6340-00-74	EACH	1.000	1.000
0028	213.0100	Finishing Roadway (project) 01. 6340-00-74	EACH	1.000	1.000
0030	305.0110	Base Aggregate Dense 3/4-Inch	TON	18,020.000	18,020.000
0032	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	53,600.000	53,600.000
0034	312.0115	Select Crushed Material	CY	172.000	172.000
0036	325.0100	Pulverize and Relay	SY	109,200.000	109,200.000
0038	374.1020.S	QMP Pulverize and Relay Compaction	SY	109,200.000	109,200.000
0040	415.0060	Concrete Pavement 6-Inch	SY	40.000	40.000
0042	415.0410	Concrete Pavement Approach Slab	SY	80.000	80.000
0044	455.0605	Tack Coat	GAL	20,630.000	20,630.000
0046	460.0105.S	HMA Percent Within Limits (PWL) Test Strip Volumetrics	EACH	2.000	2.000
0048	460.0110.S	HMA Percent Within Limits (PWL) Test Strip Density	EACH	3.000	3.000
0050	460.2005	Incentive Density PWL HMA Pavement	DOL	31,700.000	31,700.000
0052	460.2007	Incentive Density HMA Pavement Longitudinal Joints	DOL	20,140.000	20,140.000
0054	460.2010	Incentive Air Voids HMA Pavement	DOL	40,280.000	40,280.000
0056	460.6223	HMA Pavement 3 MT 58-28 S	TON	28,970.000	28,970.000
0058	460.6224	HMA Pavement 4 MT 58-28 S	TON	11,360.000	11,360.000
0060	465.0105	Asphaltic Surface	TON	990.000	990.000
0062	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	111.000	111.000
0064	465.0560	Asphaltic Rumble Strips, Centerline	LF	29,400.000	29,400.000
0066	509.0301	Preparation Decks Type 1	SY	1.000	1.000
0068	509.0302	Preparation Decks Type 2	SY	1.000	1.000
0070	509.0310.S	Sawing Pavement Deck Preparation Areas	LF	10.000	10.000
0072	509.1500	Concrete Surface Repair	SF	3.000	3.000
0074	509.2100.S	Concrete Masonry Deck Repair	CY	1.000	1.000
0076	509.5100.S	Polymer Overlay	SY	550.000	550.000
0078	509.9015.S	Removing Polymer Overlay (structure) 01. B-49-0082	SY	550.000	550.000
0080	520.1018	Apron Endwalls for Culvert Pipe 18-Inch	EACH	60.000	60.000
0082	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	42.000	42.000
0084	520.3418	Culvert Pipe Class III-A Non-metal 18-Inch	LF	1,260.000	1,260.000
0086	520.3424	Culvert Pipe Class III-A Non-metal 24-Inch	LF	992.000	992.000
0088	520.3430	Culvert Pipe Class III-A Non-metal 30-Inch	LF	254.000	254.000
0090	521.1530	Apron Endwalls for Culvert Pipe Sloped Side Drains Steel 30-Inch 6 to 1	EACH	10.000	10.000
0092	522.0424	Culvert Pipe Reinforced Concrete Class IV 24-Inch	LF	138.000	138.000
0094	522.0430	Culvert Pipe Reinforced Concrete Class IV 30-Inch	LF	152.000	152.000
0096	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	74.000	74.000
0098	522.0442	Culvert Pipe Reinforced Concrete Class IV 42-Inch	LF	460.000	460.000

Estimate Of Quantities

6340-00-74

Line	Item	Item Description	Unit	Total	Qty
0100	522.0448	Culvert Pipe Reinforced Concrete Class IV 48-Inch	LF	196.000	196.000
0102	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	6.000	6.000
0104	522.1030	Apron Endwalls for Culvert Pipe Reinforced Concrete 30-Inch	EACH	4.000	4.000
0106	522.1036	Apron Endwalls for Culvert Pipe Reinforced Concrete 36-Inch	EACH	2.000	2.000
0108	522.1042	Apron Endwalls for Culvert Pipe Reinforced Concrete 42-Inch	EACH	10.000	10.000
0110	522.1048	Apron Endwalls for Culvert Pipe Reinforced Concrete 48-Inch	EACH	4.000	4.000
0112	522.2314	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 14x23-Inch	LF	122.000	122.000
0114	522.2319	Culvert Pipe Reinforced Concrete Horizontal Elliptical Class HE-III 19x30-Inch	LF	60.000	60.000
0116	522.2614	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 14x23-Inch	EACH	6.000	6.000
0118	522.2619	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 19x30-Inch	EACH	4.000	4.000
0120	606.0100	Riprap Light	CY	2.000	2.000
0122	606.0200	Riprap Medium	CY	52.000	52.000
0124	606.0300	Riprap Heavy	CY	92.000	92.000
0126	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	68.000	68.000
0128	611.0530	Manhole Covers Type J	EACH	1.000	1.000
0130	611.2004	Manholes 4-FT Diameter	EACH	1.000	1.000
0132	614.0397	Guardrail Mow Strip Emulsified Asphalt	SY	688.000	688.000
0134	614.2300	MGS Guardrail 3	LF	300.000	300.000
0136	614.2330	MGS Guardrail 3 K	LF	1,100.000	1,100.000
0138	614.2500	MGS Thrie Beam Transition	LF	157.600	157.600
0140	614.2610	MGS Guardrail Terminal EAT	EACH	4.000	4.000
0142	616.0700.S	Fence Safety	LF	410.000	410.000
0144	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6340-00-74	EACH	1.000	1.000
0146	619.1000	Mobilization	EACH	1.000	1.000
0148	621.0100	Landmark Reference Monuments	EACH	52.000	52.000
0150	624.0100	Water	MGAL	2,022.000	2,022.000
0152	625.0100	Topsoil	SY	172,635.000	172,635.000
0154	627.0200	Mulching	SY	117,635.000	117,635.000
0156	628.1504	Silt Fence	LF	21,250.000	21,250.000
0158	628.1520	Silt Fence Maintenance	LF	63,800.000	63,800.000
0160	628.1905	Mobilizations Erosion Control	EACH	20.000	20.000
0162	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0164	628.2004	Erosion Mat Class I Type B	SY	35,580.000	35,580.000
0166	628.2008	Erosion Mat Urban Class I Type B	SY	19,340.000	19,340.000
0168	628.6510	Soil Stabilizer Type B	ACRE	0.280	0.280
0170	628.7504	Temporary Ditch Checks	LF	5,250.000	5,250.000
0172	628.7555	Culvert Pipe Checks	EACH	236.000	236.000
0174	628.7560	Tracking Pads	EACH	3.000	3.000
0176	628.7570	Rock Bags	EACH	856.000	856.000
0178	629.0210	Fertilizer Type B	CWT	152.000	152.000
0180	630.0130	Seeding Mixture No. 30	LB	10,860.000	10,860.000
0182	630.0200	Seeding Temporary	LB	6,500.000	6,500.000
0184	630.0500	Seed Water	MGAL	26,800.000	26,800.000
0186	633.5200	Markers Culvert End	EACH	16.000	16.000
0188	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	28.000	28.000
0190	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	50.000	50.000
0192	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	3.000	3.000
0194	638.2102	Moving Signs Type II	EACH	66.000	66.000
0196	638.3000	Removing Small Sign Supports	EACH	81.000	81.000

Estimate Of Quantities

6340-00-74					
Line	Item	Item Description	Unit	Total	Qty
0198	642.5201	Field Office Type C	EACH	1.000	1.000
0200	643.0300	Traffic Control Drums	DAY	12,025.000	12,025.000
0202	643.0420	Traffic Control Barricades Type III	DAY	9,750.000	9,750.000
0204	643.0705	Traffic Control Warning Lights Type A	DAY	17,550.000	17,550.000
0206	643.0900	Traffic Control Signs	DAY	183,625.000	183,625.000
0208	643.0910	Traffic Control Covering Signs Type I	EACH	6.000	6.000
0210	643.0920	Traffic Control Covering Signs Type II	EACH	8.000	8.000
0212	643.1000	Traffic Control Signs Fixed Message	SF	30.000	30.000
0214	643.5000	Traffic Control	EACH	1.000	1.000
0216	645.0120	Geotextile Type HR	SY	287.000	287.000
0218	645.0130	Geotextile Type R	SY	17.000	17.000
0220	645.0140	Geotextile Type SAS	SY	609.000	609.000
0222	646.2040	Marking Line Grooved Wet Ref Epoxy 6-Inch	LF	91,300.000	91,300.000
0224	646.6120	Marking Stop Line Epoxy 18-Inch	LF	45.000	45.000
0226	648.0100	Locating No-Passing Zones	MI	6.460	6.460
0228	650.4000	Construction Staking Storm Sewer	EACH	3.000	3.000
0230	650.5000	Construction Staking Base	LF	34,109.000	34,109.000
0232	650.6000	Construction Staking Pipe Culverts	EACH	72.000	72.000
0234	650.7000	Construction Staking Concrete Pavement	LF	30.000	30.000
0236	650.8000	Construction Staking Resurfacing Reference	LF	34,109.000	34,109.000
0238	650.9911	Construction Staking Supplemental Control (project) 01. 6340-00-74	EACH	1.000	1.000
0240	650.9920	Construction Staking Slope Stakes	LF	34,109.000	34,109.000
0242	690.0150	Sawing Asphalt	LF	2,047.000	2,047.000
0244	715.0720	Incentive Compressive Strength Concrete Pavement	DOL	500.000	500.000
0246	740.0440	Incentive IRI Ride	DOL	25,740.000	25,740.000
0248	SPV.0060	Special 01. Research and Locate Existing Land Parcel Monuments	EACH	41.000	41.000
0250	SPV.0060	Special 02. Verify and Replace Existing Land Parcel Monuments	EACH	41.000	41.000
0252	SPV.0060	Special 03. Reestablish Section Corner Monuments	EACH	13.000	13.000
0254	SPV.0060	Special 04. Mowing Project ID 6340-00-74	EACH	1.000	1.000

CLEARING & GRUBBING SUMMARY						
CATEGORY	STATION - STATION	LT/RT	201.0105	201.0120	201.0205	201.0220
			CLEARING	CLEARING	GRUBBING	GRUBBING
			STA	ID	STA	ID
0010	358+32	LT	---	41	---	41
	368+00 - 370+00	RT	2	---	2	---
	371+00 - 372+00	LT	1	---	1	---
	373+00 - 377+00	RT	4	---	4	---
	396+00 - 397+00	RT	1	---	1	---
	400+00 - 425+00	LT/RT	25	---	25	---
	428+39	RT	---	7	---	7
	447+78	RT	---	37	---	37
	459+00 - 466+00	RT	7	---	7	---
	467+00 - 489+00	LT/RT	22	---	22	---
	494+00 - 498+00	RT	4	---	4	---
	502+00 - 512+00	RT	10	---	10	---
	513+00 - 531+00	LT/RT	18	---	18	---
	546+32	RT	---	6	---	6
	552+00 - 558+00	LT	6	---	6	---
	559+00 - 563+00	LT	4	---	4	---
	564+00 - 570+00	LT	6	---	6	---
	570+29	LT	---	10	---	10
	570+73	LT	---	14	---	14
	571+00 - 580+00	LT	---	---	---	---
	586+00 - 588+00	LT	2	---	2	---
	597+00 - 600+00	LT	3	---	3	---
	607+00 - 609+00	LT	2	---	2	---
	622+00 - 624+00	LT/RT	2	---	2	---
	626+25	LT	---	16	---	16
	628+06	LT	---	13	---	13
	631+00 - 632+00	LT	1	---	1	---
	638+00 - 643+00	LT	5	---	5	---
	644+00 - 645+00	LT	1	---	1	---
	646+00 - 648+00	LT	2	---	2	---
	652+00 - 656+00	LT	4	---	4	---
	659+00 - 660+00	LT	1	---	1	---
	TOTALS		133	144	133	144

REMOVING SMALL PIPE CULVERTS									
CATEGORY	STATION - STATION	LT/RT	203.0100		REMARKS	STATION - STATION	LT/RT	203.0100	
			EACH					EACH	REMARKS
0010	358+20 - 358+81	LT	1		24-INCH	505+22 - 505+23	LT/RT	1	42-INCH
	365+34 - 365+58	RT	1		24-INCH	506+58 - 506+66	LT/RT	2	48-INCH
	367+87 - 368+12	RT	1		36-INCH	513+84 - 514+13	LT	1	18-INCH
	369+25 - 369+25	LT/RT	1		24-INCH	514+84 - 515+14	RT	1	18-INCH
	370+38 - 370+82	RT	1		36-INCH	517+95 - 518+23	LT	1	18-INCH
	374+77 - 375+18	RT	1		SIZE UNKOWN	519+56 - 519+84	RT	1	18-INCH
	383+29 - 383+97	RT	1		24-INCH	520+21 - 520+50	LT	1	18-INCH
	384+99 - 385+66	LT	1		18-INCH	542+95 - 543+28	RT	1	18-INCH
	385+03 - 385+35	RT	1		18-INCH	554+65 - 554+97	RT	1	24-INCH
	395+52 - 395+83	RT	1		24-INCH	555+23 - 555+60	LT	1	18-INCH
	396+22 - 396+22	LT/RT	1		30-INCH	562+71 - 563+16	LT	1	18-INCH
	398+08 - 398+76	RT	1		18-INCH	564+28 - 564+63	RT	1	18-INCH
	406+11 - 406+33	LT	1		18-INCH	566+68 - 567+08	RT	1	24-INCH
	411+39 - 411+60	RT	1		18-INCH	570+44 - 570+64	LT	1	18-INCH
	419+41 - 419+60	LT	1		18-INCH	573+86 - 574+48	RT	1	24-INCH
	424+65 - 424+93	LT	1		24-INCH	580+16 - 580+22	LT/RT	2	30-INCH
	429+41 - 429+60	LT	1		24-INCH	582+46 - 583+05	LT	1	30-INCH
	436+79 - 437+04	RT	1		24-INCH	584+06 - 584+32	RT	1	30-INCH
	439+56 - 439+62	LT/RT	2		42-INCH	584+59 - 584+92	LT	1	30-INCH
	449+35 - 449+58	LT	1		30-INCH	595+81 - 596+02	RT	1	24-INCH
	450+65 - 451+38	LT	1		30-INCH	607+01 - 607+26	LT	1	24-INCH
	450+71 - 451+39	RT	1		30-INCH	608+67 - 609+26	RT	1	24-INCH
	458+40 - 458+64	RT	1		24-INCH	609+40 - 609+67	LT	1	18-INCH
	466+93 - 467+35	LT	1		24-INCH	622+19 - 622+41	RT	1	18-INCH
	470+11 - 470+37	LT	1		18-INCH	624+02 - 624+27	RT	1	18-INCH
	470+28 - 470+64	RT	1		18-INCH	629+64 - 629+91	LT	1	18-INCH
	472+72 - 473+02	LT	1		18-INCH	632+78 - 633+03	RT	1	18-INCH
	477+08 - 477+64	RT	1		24-INCH	633+79 - 634+08	RT	1	24-INCH
	478+04 - 478+35	LT	1		18-INCH	635+09 - 635+64	LT	1	24-INCH
	484+15 - 484+39	RT	1		30-INCH	636+57 - 636+59	LT/RT	1	24-INCH
	490+64 - 490+65	LT/RT	1		24-INCH	640+39 - 640+61	LT	1	24-INCH
	494+49 - 494+73	RT	1		18-INCH	651+68 - 651+90	RT	1	18-INCH
	498+59 - 498+94	RT	1		18-INCH	656+05 - 656+34	LT	1	18-INCH
	499+92 - 500+22	LT	1		18-INCH	670+83 - 671+07	RT	1	24-INCH
	503+28 - 504+15	LT	1		24-INCH	670+90 - 671+13	LT	1	24-INCH
						685+92 - 686+15	RT	1	18-INCH
						686+95 - 687+25	RT	1	18-INCH
						688+09 - 688+38	LT	1	18-INCH
						690+71 - 691+12	LT	1	18-INCH
						693+15 - 693+45	LT	1	18-INCH
						TOTAL		78	

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REMOVING CONCRETE PAVEMENT			
CATEGORY	STATION - STATION	LT/RT	204.0100 SY
0010	549+00 - 549+21	LT/RT	55
	550+59 - 550+79	LT/RT	55
TOTAL			110

RELIEF TRENCHES				
CATEGORY	STATION - STATION	LOCATION	312.0115 SELECT CRUSHED MATERIAL CY	645.0140 GEOTEXTILE TYPE SAS SY
0010	352+50 - 400+00	LT/RT	25	87
	400+00 - 450+00	LT/RT	74	261
	450+00 - 500+00	LT/RT	---	---
	500+00 - 550+00	LT/RT	25	87
	550+00 - 600+00	LT/RT	25	87
	600+00 - 650+00	LT/RT	25	87
	650+00 - 693+59.13	LT/RT	---	---
TOTALS			172	609

REMOVING ASPHALTIC SURFACE			
			204.0110
CATEGORY		STATION - STATION	SY
0010	MAINLINE	352+50 - 355+50	1,030
		546+06 - 549+06	1,070
		550+74-553+74	1,060
		690+59 - 693+59	1,010
	SIDEROADS	COUNTY LINE RD	390
		CTH M	440
		ORIOLE RD	140
		BRANDL RD	190
		BLUEBIRD RD	70
		THILO RD	150
		BROWN THRUSH RD	160
		LONE ELM RD	160
		ROBIN RD	240
		TOTAL	

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REMOVING FENCE			
CATEGORY	STATION - STATION	LT/RT	204.0170 LF
0010	444+00 - 445+85	LT	185
	464+20 - 468+85	RT	465
	500+18 - 500+68	LT	50
	522+49 - 524+39	RT	190
	543+25 - 549+25	LT	600
	550+46 - 553+46	LT	300
	556+36 - 560+06	LT	370
TOTAL			2,160

REMOVING GUARDRAIL			
CATEGORY	STATION - STATION	LT/RT	204.0165 LF
0010	548+05 - 549+21	LT	116
	548+05 - 549+21	RT	116
	550+59 - 551+74	LT	116
	550+59 - 551+75	RT	117
	TOTAL		465

REMOVING POST			
CATEGORY	STATION - STATION	LOCATION	204.9060.S.01 EACH
0010	548+05 - 549+21	LT/RT	30
		TOTAL	30

BASE AGGREGATE DENSE SUMMARY				
CATEGORY	STATION - STATION	305.0110*	305.0120	624.0100*
		BASE AGGREGATE	BASE AGGREGATE	WATER
		DENSE	DENSE	(FOR
		3/4-INCH	1 1/4-INCH	COMPACTION)
		TON	TON	MGAL
0010	352+50 - 400+00	2,400	8,000	210
	400+00 - 450+00	2,500	8,600	220
	450+00 - 500+00	2,500	8,600	220
	500+00 - 550+00	2,400	7,000	190
	550+00 - 600+00	2,400	7,400	200
	600+00 - 650+00	2,500	7,600	200
	650+00 - 693+59.13	2,200	6,400	170
	TOTALS	16,900	53,600	1,410

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

PULVERIZE AND RELAY SUMMARY				
CATEGORY	STATION - STATION	LOCATION	325.0100	624.0100*
			PULVERIZE	WATER
			AND RELAY	
			SY	MGAL
0010	352+50 - 400+00	LT/RT	14,800	83
	400+00 - 450+00	LT/RT	16,700	94
	450+00 - 500+00	LT/RT	16,700	94
	500+00 - 550+00	LT/RT	15,400	86
	550+00 - 600+00	LT/RT	15,400	86
	600+00 - 650+00	LT/RT	16,700	94
	650+00 - 693+59.13	LT/RT	13,500	76
	TOTALS		109,200	612

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

DIVISION	FROM/TO STATION	LOCATION	205.0100 COMMON EXCAVATION* (1)		SALVAGED/UNUSABLE PAVEMENT MATERIAL (4)	AVAILABLE MATERIAL (5)	UNEXPANDED FILL	EXPANDED FILL (13)	MASS ORDINATE +/- (14)	WASTE	208.0100 BORROW	COMMENT
			CUT (2)	EBS EXCAVATION (3)				FACTOR 1.30				
STH 13/34 - SOUTH	352+50 - 549+20.76		13,213		280	12,933	25,335	32,936	-20,003		20,003	
STH 13/34 - NORTH	550+58.73 - 693+59.13		11,768		316	11,452	14,668	19,068	-7,616		7,616	
GRAND TOTAL			24,981		596	24,385	40,003	52,004	-27,619		27,619	
TOTAL COMMON EXC			24,981									

NOTES:

(1) COMMON EXCAVATION IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100

(2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT.

(3) EBS EXCAVATION TO BE BACKFILLED WITH SELECT BORROW MATERIAL. NOTE: THIS IS DESIGNERS CHOICE, CAN BE BACKFILLED WITH BORROW, OR CUT AS WELL.

(4) SALVAGED/UNUSABLE PAVEMENT MATERIAL

5) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL

(13) EXPANDED FILL FACTOR = 1.30

DEPENDING ON SELECTIONS:

OR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED EBS) * FILL FACTOR

OR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK - REDUCED MARSH) * FILL FACTOR

OR

EXPANDED FILL = (UNEXPANDED FILL - EXPANDED ROCK) * FILL FACTOR

(14) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

CONCRETE PAVEMENT SUMMARY				
CATEGORY	STATION - STATION	LOCATION	415.0060	415.0410
			6-INCH	APPROACH SLAB
0010	549+06 - 549+21	LT/RT	20	40
	550+59 - 550+74	LT/RT	20	40
TOTALS			40	80

HMA PAVEMENT PWL TEST STRIP SUMMARY				
CATEGORY	PROJECT	460.0105.S	460.0110.S	
		HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP VOLUMETRICS EACH	HMA PERCENT WITHIN LIMITS (PWL) TEST STRIP DENSITY EACH	
0010	6340-00-74	2	3	

HMA PAVEMENT SUMMARY							
			455.0605 TACK COAT	460.6223 HMA PAVEMENT 3 MT 58-28 S	460.6224 HMA PAVEMENT 4 MT 58-28 S		
CATEGORY		STATION - STATION	LOCATION	GAL	TON	TON	
0010	MAINLINE	352+50 - 400+00	LT/RT	2,850	3,990	1,550	
		400+00 - 450+00	LT/RT	3,000	4,200	1,630	
		450+00 - 500+00	LT/RT	3,000	4,200	1,630	
		500+00 - 550+00	LT/RT	3,020	4,230	1,640	
		550+00 - 600+00	LT/RT	3,000	4,200	1,630	
		600+00 - 650+00	LT/RT	3,000	4,200	1,630	
		650+00 - 693+59.13	LT/RT	2,620	3,660	1,420	
	SIDEROADS	AMANN ST	RT	15	30	20	
		COUNTY LINE RD	LT/RT	25	50	40	
		CTH M	LT/RT	25	60	40	
		ORIOLE RD	RT	10	20	20	
		BRANDL RD	LT	10	20	20	
		BLUEBIRD RD	RT	10	20	10	
		THILO RD	LT	10	20	10	
		BROWN THRUSH RD	RT	10	20	20	
		LONE ELM RD	LT	10	20	20	
		ROBIN RD	LT/RT	15	30	30	
		TOTALS			20,630	28,970	11,360

HMA PAVEMENT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.
TACK CALCULATIONS ARE BASED ON 0.06 GALLONS PER SQUARE YARD. TACK TO BE APPLIED ON PULVERIZED LAYER AND BOTH 3 MT LAYERS FOR MAINLINE.

ASPHALTIC RUMBLE STRIPS,			
CATEGORY	STATION - STATION	LOCATION	465.0560
			CENTERLINE LF
0010	352+50 - 400+00	LT/RT	3,800
	400+00 - 450+00	LT/RT	4,900
	450+00 - 500+00	LT/RT	4,300
	500+00 - 550+00	LT/RT	4,100
	550+00 - 600+00	LT/RT	4,300
	600+00 - 650+00	LT/RT	4,200
	650+00 - 693+59.13	LT/RT	3,800
TOTAL			29,400

PWL MIXTURE USE TABLE

THE FOLLOWING ACCEPTANCE CRITERIA ARE APPLICABLE FOR THIS PROJECT:

QUALITY MANAGEMENT PROGRAM TO BE USED FOR:

LOCATION	STATION - STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	MIXTURE ACCEPTANCE	DENSITY ACCEPTANCE
12-FOOT DRIVING LANES	352+50 - 693+59	LOWER LAYER	PULVERIZED ASPHALT	3 MT 58-28 S	11,404	2.25"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
12-FOOT DRIVING LANES	352+50 - 693+59	MIDDLE LAYER	3 MT 58-28 S	3 MT 58-28 S	11,404	2.25"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
12-FOOT DRIVING LANES	352+50 - 693+59	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	8,870	1.75"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	INCENTIVE DENSITY PWL HMA PAVEMENT 460.2005
3' SHOULDER	352+50 - 693+59	LOWER LAYER	PULVERIZED ASPHALT	3 MT 58-28 S	2,937	2.25"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
3' SHOULDER	352+50 - 693+59	MIDDLE LAYER	3 MT 58-28 S	3 MT 58-28 S	2,937	2.25"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
3' SHOULDER	352+50 - 693+59	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	2,285	1.75"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SIDE ROADS	--- - ---	LOWER LAYER	BASE AGGREGATE DENSE 1 1/4-INCH	3 MT 58-28 S	265	2.25"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
SIDE ROADS	--- - ---	UPPER LAYER	3 MT 58-28 S	4 MT 58-28 S	206	1.75"	INCENTIVE AIR VOIDS HMA PAVEMENT 460.2010	ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE
CULVERT REPLACEMENTS	--- - ---	CULVERT PATCHES	BASE AGGREGATE DENSE 1 1/4-INCH	ASPHALTIC SURFACE	990	6"	QMP PER SS 465	ACCEPTANCE BY ORDINARY COMPACTION

DRIVEWAYS AND FIELD ENTRANCES SUMMARY

CATEGORY	STATION	LOCATION	305.0110*	465.0120	STATION	LOCATION	305.0110*	465.0120
			BASE AGGREGATE DENSE	ASPHALTIC			BASE AGGREGATE DENSE	ASPHALTIC
			3/4-INCH	SURFACE DRIVEWAYS AND FIELD ENTERANCES			3/4-INCH	SURFACE DRIVEWAYS AND FIELD ENTERANCES
TON	TON	TON	TON					
0010	355+00	LT	30	---	519+70	RT	20	---
	358+50	LT	20	---	520+34	LT	---	12
	365+47	RT	10	---	530+50	LT	20	---
	368+00	RT	20	---	543+11	RT	10	---
	370+60	RT	30	---	554+82	RT	---	16
	374+36	LT	20	---	555+38	LT	---	15
	374+94	RT	20	---	562+95	LT	30	---
	377+26	LT	30	---	564+45	RT	20	---
	385+30	LT	---	38	566+89	RT	20	---
	388+98	RT	20	---	570+54	LT	20	---
	406+21	LT	20	---	574+16	RT	50	---
	411+50	RT	20	---	584+21	RT	20	---
	419+50	LT	10	---	584+76	LT	30	---
	424+78	LT	20	---	595+91	RT	10	---
	428+76	RT	10	---	607+18	LT	20	---
	429+52	LT	10	---	609+56	LT	20	---
	436+91	RT	20	---	615+50	LT	20	---
	458+53	RT	20	---	622+29	RT	10	---
	467+22	LT	20	---	623+41	RT	10	---
	470+26	LT	20	---	632+90	RT	20	---
	470+46	RT	30	---	633+94	RT	20	---
	472+89	LT	20	---	648+53	RT	50	---
	478+20	LT	10	---	648+68	LT	20	---
	494+61	RT	20	---	656+21	LT	10	---
	498+78	RT	---	14	686+03	RT	20	---
	500+05	LT	30	---	687+10	RT	30	---
	501+45	RT	20	---	688+22	LT	20	---
	514+00	LT	20	---	690+91	RT	20	---
	514+98	RT	20	---	690+92	LT	20	---
	518+09	LT	---	16	693+30	LT	20	---
				TOTALS		1,120	111	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE
ASPHALT WEIGHT CALCULATIONS ARE BASED ON 112 LBS/SY/IN.
BASE AGGREGATE DENSE 3/4-IN WEIGHT CALCULATIONS ARE BASED ON 2.1 TON/CY

CULVERT PIPE SUMMARY														
				520.1018	520.1024	521.1530	522.2614	522.2619	520.3418	520.3424	520.3430	522.2314	522.2319	
				APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	
				FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	CLASS III-A	CLASS III-A	CLASS III-A	REINFORCED CONCRETE	REINFORCED CONCRETE	
				18-INCH	24-INCH	SLOPED SIDE DRAINS	REINFORCED CONCRETE	REINFORCED CONCRETE	NON-METAL	NON-METAL	NON-METAL	HORIZONTAL ELLIPTICAL	HORIZONTAL ELLIPTICAL	
						STEEL 30-INCH	HORIZONTAL ELLIPTICAL	HORIZONTAL ELLIPTICAL	18-INCH	24-INCH	30-INCH	CLASS HE-III	CLASS HE-III	
						6 TO 1	14x23-INCH	19X30-INCH				14x23-INCH	19x30-INCH	
CATEGORY	STATION	OFFSET	STATION	OFFSET	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	
0010	358+36.2	39.9', LT	358+70.2	39.7', LT	---	2	---	---	---	34	---	---	---	
	367+77.2	38.4', RT	368+19.2	38.5', RT	---	2	---	---	---	44	---	---	---	
	370+30.7	35.6', RT	370+86.7	35.4', RT	---	2	---	---	---	56	---	---	---	
	377+08.3	46.3', LT	377+42.3	46.9', LT	2	---	---	---	34	---	---	---	---	
	383+29.3	39.3', RT	383+99.3	38.0', RT	---	2	---	---	---	70	---	---	---	
	384+97.7	46.0', LT	385+65.7	45.0', LT	2	---	---	---	68	---	---	---	---	
	388+76.3	39.5', RT	389+16.3	39.1', RT	---	2	---	---	---	40	---	---	---	
	39804.89	34.2', RT	398+64.8	34.8', RT	---	2	---	---	---	60	---	---	---	
	406+10.6	32.9', LT	406+38.6	32.9', LT	2	---	---	---	28	---	---	---	---	
	411+29.7	38.9' RT	411+69.7	37.8', RT	2	---	---	---	40	---	---	---	---	
	419+29.5	41.1', LT	419+71.5	41.6', LT	2	---	---	---	42	---	---	---	---	
	424+60.0	40.6', LT	424+98.0	40.3', LT	---	2	---	---	---	38	---	---	---	
	428+64.3	40.1', RT	428+88.3	40.0', RT	---	2	---	2	---	---	---	---	30	
	429+36.3	40.3', LT	429+66.3	39.8', LT	---	---	---	2	---	---	---	---	30	
	436+67.7	38.4', RT	437+17.7	39.3', RT	---	2	---	---	---	50	---	---	---	
	450+66.8	42.1', LT	451+34.6	41.9', LT	---	---	2	---	---	---	68	---	---	
	450+71.1	42.1', RT	451+35.3	42.5', RT	---	---	2	---	---	---	64	---	---	
	458+34.7	38.4', RT	458+70.7	39.0', RT	---	2	---	---	---	36	---	---	---	
	466+89.1	42.9', LT	467+37.1	41.6', LT	---	2	---	---	---	48	---	---	---	
	472+62.8	38.2', LT	473+12.9	38.1', LT	2	---	---	---	50	---	---	---	---	
	477+06.4	34.7', RT	477+62.3	38.2', RT	---	2	---	---	---	56	---	---	---	
	478+06.2	41.2', LT	478+38.2	40.4', LT	2	---	---	---	32	---	---	---	---	
	494+40.6	37.4', RT	494+84.6	37.0', RT	2	---	---	---	44	---	---	---	---	
	498+51.0	37.0', RT	499+03.0	37.1', RT	2	---	---	---	52	---	---	---	---	
	499+82.5	36.5', LT	500+32.4	35.8', LT	2	---	---	---	50	---	---	---	---	
	501+29.6	37.2', RT	501+59.6	38.0', RT	2	---	---	---	30	---	---	---	---	
	503+28.4	45.3', LT	504+23.7	56.7', LT	---	2	---	---	---	96	---	---	---	
	513+76.9	40.1', LT	514+22.8	38.7', LT	2	---	---	---	46	---	---	---	---	
	514+74.3	41.2', RT	515+18.2	38.6', RT	2	---	---	---	44	---	---	---	---	
	517+86.1	36.3', LT	518+32.1	34.9', LT	2	---	---	---	46	---	---	---	---	
	519+49.8	35.2', RT	519+85.8	35.1', RT	2	---	---	---	36	---	---	---	---	
	520+13.1	36.0', LT	520+57.1	37.1', LT	2	---	---	---	44	---	---	---	---	
	530+32.5	33.3', LT	530+68.5	33.4', LT	2	---	---	---	36	---	---	---	---	
	542+95.2	41.0', RT	543+29.2	41.9', RT	2	---	---	---	34	---	---	---	---	
SUBTOTALS					36	26	4	0	4	756	628	132	0	60

CULVERT PIPE SUMMARY (CONTINUED)															
					520.1018	520.1024	521.1530	522.2614	522.2619	520.3418	520.3424	520.3430	522.2314	522.2319	
					APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS	APRON ENDWALLS	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	CULVERT PIPE	
					FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	FOR CULVERT PIPE	CLASS III-A	CLASS III-A	CLASS III-A	REINFORCED CONCRETE	REINFORCED CONCRETE	
					18-INCH	24-INCH	SLOPED SIDE DRAINS	REINFORCED CONCRETE	REINFORCED CONCRETE	NON-METAL	NON-METAL	NON-METAL	HORIZONTAL ELLIPTICAL	HORIZONTAL ELLIPTICAL	
							STEEL 30-INCH	HORIZONTAL ELLIPTICAL	HORIZONTAL ELLIPTICAL	18-INCH	24-INCH	30-INCH	CLASS HE-III	CLASS HE-III	
							6 TO 1	14x23-INCH	19X30-INCH				14x23-INCH	19x30-INCH	
CATEGORY	STATION	OFFSET	STATION	OFFSET	EACH	EACH	EACH	EACH	EACH	LF	LF	LF	LF	LF	
0010	554+63.0	41.7', RT	555+01.0	41.2', RT	---	2	---	---	---	---	38	---	---	---	
	555+19.5	42.0', LT	555+59.5	41.2', LT	2	---	---	---	---	40	---	---	---	---	
	562+65.0	42.8', LT	563+25.0	43.3', LT	2	---	---	---	---	60	---	---	---	---	
	564+26.1	36.1', RT	564+66.2	35.6', RT	2	---	---	---	---	40	---	---	---	---	
	566+68.7	35.1', RT	567+06.7	35.6', RT	---	2	---	---	---	---	38	---	---	---	
	570+36.8	36.1', LT	570+72.8	37.7', LT	2	---	---	---	---	36	---	---	---	---	
	573+85.3	41.5', RT	574+51.2	39.7', RT	---	2	---	---	---	---	66	---	---	---	
	582+51.2	39.1', LT	582+95.2	39.9', LT	---	---	2	---	---	---	---	56	---	---	
	584+01.8	37.7', RT	584+39.8	38.0' RT	---	---	2	---	---	---	---	38	---	---	
	584+62.5	40.0', LT	584+90.4	40.6', LT	---	---	2	---	---	---	---	28	---	---	
	595+76.8	38.0', RT	596+08.8	38.1', RT	---	2	---	---	---	---	32	---	---	---	
	607+01.6	38.2', LT	607+33.6	38.9', LT	---	2	---	---	---	---	32	---	---	---	
	608+68.6	39.7', RT	609+30.6	38.9', RT	---	2	---	---	---	---	62	---	---	---	
	609+30.5	35.8', LT	609+78.5	36.7', LT	2	---	---	---	---	48	---	---	---	---	
	622+09.7	37.9', RT	622+49.8	38.1', RT	2	---	---	---	---	40	---	---	---	---	
	623+17.9	38.4', RT	623+55.9	38.7', RT	2	---	---	---	---	38	---	---	---	---	
	632+71.6	37.9', RT	633+07.6	37.3', RT	2	---	---	---	---	36	---	---	---	---	
	633+76.7	37.2', RT	634+10.7	37.5', RT	---	2	---	---	---	---	34	---	---	---	
	635+06.3	37.0', LT	635+64.3	38.3', LT	---	2	---	---	---	---	62	---	---	---	
	648+27.6	47.0', RT	648+75.3	47.5', RT	---	---	---	2	---	---	---	---	44	---	
	655+95.6	38.7', LT	656+43.6	39.5', LT	2	---	---	---	---	48	---	---	---	---	
	685+85.1	39.4', RT	686+23.1	39.7', RT	2	---	---	---	---	38	---	---	---	---	
	686+89.5	40.1', RT	687+29.5	39.5', RT	2	---	---	---	---	40	---	---	---	---	
	688+02.8	37.1', LT	688+42.8	36.8', LT	2	---	---	---	---	40	---	---	---	---	
	690+64.7	28.8', LT	691+10.7	29.6', LT	---	---	---	2	---	---	---	---	46	---	
	693+13.6	32.1', LT	693+45.6	32.2', LT	---	---	---	2	---	---	---	---	32	---	
SUBTOTALS					24	16	6	6	0	504	364	122	122	0	
TOTALS					60	42	10	6	4	1,260	992	254	122	60	

CROSS CULVERT PIPE SUMMARY																		
CATEGORY	INLET		OUTLET		205.0100*	465.0105	522.1024*	522.1030	522.1036	522.1042	522.1048	522.0424	522.0430	522.0436	522.0442	522.0448	633.5200	690.0150*
	STATION	OFFSET	STATION	OFFSET	EXCAVATION COMMON CY	ASPHALTIC SURFACE TON	APRON ENDWALLS FOR CPRC					CULVERT PIPE REINFORCED CONCRETE CLASS IV					MARKERS CULVERT END EACH	SAWING ASPHALT LF
							24-INCH	30-INCH	36-INCH	42-INCH	48-INCH	24-INCH	30-INCH	36-INCH	42-INCH	48-INCH		
0010	369+24.7	34.0', RT	369+24.1	35.7', LT	560	119	2	---	---	---	---	70	---	---	---	---	2	60
	396+20.8	36.9', RT	396+20.6	38.8', LT	650	127	---	2	---	---	---	---	76	---	---	---	2	60
	396+27.5	36.4', RT	396+27.9	38.7', LT	---	---	---	2	---	---	---	---	76	---	---	---	---	---
	439+52.6	39.2', LT	439+53.0	36.1', RT	660	129	---	---	---	2	---	---	---	---	76	---	2	60
	439+62.0	39.1', LT	439+61.9	36.2', RT	---	---	---	---	---	2	---	---	---	---	76	---	---	---
	490+67.8	32.0', RT	490+68.9	35.6', LT	620	119	2	---	---	---	---	68	---	---	---	---	2	60
	505+22.3	53.4', LT	505+21.8	53.5', RT	680	119	---	---	---	2	---	---	---	---	108	---	2	60
	506+57.1	47.3', LT	506+58.4	49.6', RT	860	129	---	---	---	---	2	---	---	---	---	98	2	60
	506+65.7	47.3', LT	506+66.5	49.4', RT	---	---	---	---	---	---	2	---	---	---	---	98	---	---
	580+14.7	49.2', RT	580+15.0	49.8', LT	680	129	---	---	---	2	---	---	---	---	100	---	2	60
	580+23.1	49.2', RT	580+23.8	49.8', LT	---	---	---	---	---	2	---	---	---	---	100	---	---	---
	636+56.9	36.6', RT	636+58.9	37.5', LT	630	119	---	---	2	---	---	---	---	74	---	---	2	60
	TOTALS				5,340	990	4	4	2	10	4	138	152	74	460	196	16	480

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

STORM SEWER SUMMARY													
CATEGORY	STRUCTURE	STATION	OFFSET	ELEV.	TO STRUCTURE	STATION	OFFSET	ELEV.	522.1024*	608.0424	611.0530	611.2004	RIM ELEVATION
									APRON ENDWALLS FOR CPRC 24-INCH EACH	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	MANHOLE COVERS TYPE J EACH	MANHOLES 4-FT DIAMETER EACH	
0010	364	365+04.2	36.5', RT	1153.40	365	365+48.0	26.3', RT	1153.31	1	46	---	---	1157.20
	365	365+48.0	26.3', RT	1153.31	366	365+68.2	35.2', RT	1153.24	1	22	1	1	1157.20
TOTALS									2	68	1	1	

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

RIPRAP SUMMARY							
CATEGORY	STATION - STATION	LOCATION	606.0100	606.0200	606.0300	645.0120	645.0130
			RIPRAP LIGHT CY	RIPRAP MEDIUM CY	RIPRAP HEAVY CY	GEOTEXTILE TYPE HR SY	GEOTEXTILE TYPE R SY
0010	352+50 - 400+00	LT/RT	2	6	---	45	17
	400+00 - 450+00	LT/RT	---	4	---	35	---
	450+00 - 500+00	LT/RT	---	6	---	26	---
	500+00 - 550+00	LT/RT	---	6	56	62	---
	550+00 - 600+00	LT/RT	---	22	36	79	---
	600+00 - 650+00	LT/RT	---	9	---	40	---
	650+00 - 693+59.13	LT/RT	---	---	---	---	---
	TOTALS		2	52	92	287	17

GUARDRAIL SUMMARY						
CATEGORY	STATION - STATION	LOCATION	614.2300	614.2330	614.2610	614.2500
			MGS GUARDRAIL		TERMINAL EAT EACH	MGS THRIE BEAM TRANSITION LF
			3 LF	3 K LF		
0010	542+45.87 - 542+98.95	LT	---	---	1	---
	542+98.95 - 548+73.95	LT	---	575	---	---
	544+33.34 - 544+86.42	RT	---	---	1	---
	544+86.42 - 547+48.92	RT	---	262.5	---	---
	547+48.92 - 548+73.92	RT	125	---	---	---
	548+73.92 - 549+13.32	RT	---	---	---	39.4
	548+73.95 - 549+13.35	LT	---	---	---	39.4
	550+65.85 - 551+05.24	LT	---	---	---	39.4
	550+65.95 - 551+05.35	RT	---	---	---	39.4
	551+05.24 - 553+67.74	LT	---	262.5	---	---
	551+05.35 - 552+80.35	RT	175	---	---	---
	552+80.35 - 553+33.43	RT	---	---	1	---
	553+67.74 - 554+20.82	LT	---	---	1	---
	TOTALS		300	1,100	4	157.6

EROSION CONTROL MOBILIZATION SUMMARY			
CATEGORY	PROJECT	628.1905	628.1910
		MOBILIZATIONS EROSION CONTROL EACH	MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	6340-00-74	20	6

FINISHING SUMMARY																		
CATEGORY	STATION - STATION	LOCATION	614.0397	625.0100	627.0200	628.6510	628.1504	628.1520	628.2004	628.2008	628.7504	628.7555	628.7560	628.7570	630.0130	630.0200	**630.0500	629.0210
			GUARDRAIL MOWSTRIP EMULSIFIED ASPHALT SY	TOPSOIL SY	MULCHING SY	SOIL STABILIZER TYPE B ACRE	SILT FENCE LF	SILT FENCE LF	EROSION MAT CLASS I TYPE B SY	EROSION MAT URBAN CLASS I TYBE B SY	TEMPORARY DITCH CHECKS LF	CULVERT PIPE CHECKS EACH	TRACKING PADS EACH	ROCK BAGS EACH	SEEDING MIXTURE NO. 30 LB	SEEDING TEMPORARY LB	SEED WATER MGAL	FERTILIZER TYPE B CWT
			---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
0010	352+50 - 400+00	LT/RT	---	18,100	12,200	---	1,900	5,700	4,880	1,010	400	37	1	72	1,170	700	2,900	16
	400+00 - 450+00	LT/RT	---	16,700	10,300	---	2,700	8,100	---	6,380	100	29	---	54	1,140	680	2,800	16
	450+00 - 500+00	LT/RT	---	19,200	12,200	---	1,500	4,500	3,700	3,320	1,200	34	---	108	1,240	740	3,100	17
	500+00 - 550+00	LT/RT	446	19,200	12,900	0.28	4,300	12,900	3,940	2,290	400	48	---	160	1,180	710	2,900	17
	550+00 - 600+00	LT/RT	242	21,000	13,700	---	2,100	6,300	5,840	1,430	1,100	49	---	72	1,290	770	3,200	18
	600+00 - 650+00	LT/RT	---	19,700	12,900	---	1,800	5,400	5,770	1,040	800	27	---	110	1,260	760	3,100	18
	650+00 - 693+59.13	LT/RT	---	14,100	9,800	---	2,700	8,100	4,330	---	200	12	1	110	950	570	2,300	13
	BORROW PIT UNDISTRIBUTED		---	12,635	12,635	---	---	---	---	---	---	---	1	---	570	340	1,400	8
	TOTALS		688	172,635	117,635	0.28	21,250	63,800	35,580	19,340	5,250	236	3	856	10,860	6,500	26,800	152

**SEED WATER QUANTITY INCULDED FOR 4 WEEKS OF WATERING

PERMANENT SIGNING SUMMARY							
CATEGORY	SIGN NUMBER	SIGN MESSAGE	638.2102	634.0614	634.0616	634.0618	
			MOVING	POSTS WOOD 4x6-INCH			
			SIGNS TYPE II	x 14-FT	x 16-FT	x 18-FT	
			EACH	EACH	EACH	EACH	
0010	1 - 1	PEDESTRIAN CROSSING SYMBOL	1	---	1	---	
	1 - 2	AHEAD PLAQUE (FLUORESCENT YELLOW GREEN)	1	---	---	---	
	1 - 3	COMMUNITY POPULATION NAME SIGN (WITH NUMBER)	1	1	1	---	
	1 - 4	SPEED LIMIT_ MPH	1	---	1	---	
	1 - 5	NO PASSING ZONE	1	---	---	---	
	1 - 6	SPEED LIMIT_ MPH	1	---	1	---	
	1 - 7	DESTINATION/DISTANCE (ONE) WITH DIE CUT LETTERS	1	1	1	---	
	1 - 8	SPEED LIMIT_ AHEAD (ARROW)	1	---	---	1	
	1 - 9	NEIGHBORHOOD WATCH COMMUNITY ...	1	---	1	---	
	1 - 10	NO PASSING ZONE	1	---	1	---	
	2 - 1	STOP	1	---	1	---	
	2 - 2	NO PASSING ZONE	1	---	1	---	
	2 - 3	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	1	1	1	---	
	2 - 4	ADOPTAHIGHWAY (SPONSOR)	1	---	1	---	
	2 - 5	STOP	1	---	1	---	
	2 - 6	STOP	1	---	1	---	
	2 - 7	COUNTY LINE NAME	1	2	---	---	
	2 - 8	COUNTY LINE NAME	1	1	---	---	
	2 - 9	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	1	1	1	---	
	3 - 1	JUNCTION OR END ASSEMBLY	1	---	1	---	
	4 - 1	REASSURANCE ASSEMBLY (2 HEADED ROUTE PANEL)	1	---	1	---	
	4 - 2	DIRECTIONAL WITHOUT CARDINAL (1 HEADED ROUTE PANEL)	1	---	1	---	
	4 - 3	DIRECTIONAL ASSEMBLY (2 HEADED ROUTE PANEL)	1	---	1	---	
	4 - 4	STOP	1	---	1	---	
	4 - 5	REASSURANCE ASSEMBLY (2 HEADED ROUTE PANEL)	1	---	1	---	
	4 - 6	STOP	1	---	1	---	
	4 - 7	DIRECTIONAL ASSEMBLY (2 HEADED ROUTE PANEL)	1	---	1	---	
	4 - 8	REASSURANCE ASSEMBLY (2 HEADED ROUTE PANEL)	1	---	1	---	
	4 - 9	NO PASSING ZONE	1	---	1	---	
	4 - 10	JUNCTION OR END ASSEMBLY	1	---	1	---	
	4 - 11	SCHOOL BUS STOP AHEAD	1	---	---	1	
	4 - 12	ONE DESTINATION (ARROW)	1	2	---	---	
	5 - 1	STOP	1	---	1	---	
	5 - 2	ONE DESTINATION (ARROW)	1	2	---	---	
	5 - 3	NO PASSING ZONE	1	---	1	---	
	5 - 4	ONE DESTINATION (ARROW)	1	2	---	---	
SUBTOTALS			36	13	27	2	

CONTINUED ON NEXT PAGE

PERMANENT SIGNING SUMMARY (CONTINUED)						
			638.2102	634.0614	634.0616	634.0618
			MOVING			
			SIGNS			
			TYPE II	POSTS WOOD 4x6-INCH		
CATEGORY	SIGN NUMBER	SIGN MESSAGE	EACH	x 14-FT EACH	x 16-FT EACH	x 18-FT EACH
	6 - 1	STOP	1	---	1	---
	6 - 2	NO PASSING ZONE	1	---	1	---
	6 - 3	ONE DESTINATION (ARROW)	1	2	---	---
	6 - 4	ONE DESTINATION (ARROW)	1	1	1	---
	6 - 5	NO PASSING ZONE	1	---	1	---
	7 - 1	STOP	1	---	1	---
	7 - 2	ONE DESTINATION (ARROW)	1	1	1	---
	7 - 3	LAKE OR RIVER NAME - STENCIL MESSAGE	1	1	---	---
	7 - 4	CLEARANCE STRIPER DOWN RIGHT	1	1	---	---
	7 - 5	CLEARANCE STRIPER DOWN LEFT	1	1	---	---
	7 - 6	CLEARANCE STRIPER DOWN RIGHT	1	1	---	---
	7 - 7	CLEARANCE STRIPER DOWN LEFT	1	1	---	---
	7 - 8	NO PASSING ZONE	1	---	1	---
	8 - 1	SCHOOL BUS STOP AHEAD	1	---	---	1
	8 - 2	NO PASSING ZONE	1	---	1	---
	8 - 3	STOP	1	---	1	---
	9 - 1	ONE DESTINATION (ARROW)	1	1	1	---
	9 - 2	NO PASSING ZONE	1	---	1	---
	9 - 3	STOP	1	---	1	---
	9 - 4	ONE DESTINATION (ARROW)	1	1	1	---
	10 - 1	NO PASSING ZONE	1	---	1	---
	10 - 2	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	1	1	1	---
	10 - 3	STOP	1	---	1	---
	10 - 4	ONE DESTINATION (ARROW)	1	1	1	---
	10 - 5	NO PASSING ZONE	1	---	1	---
	11 - 1	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	1	1	1	---
	11 - 2	STOP	1	---	1	---
	11 - 3	STOP	1	---	1	---
	11 - 4	NO PASSING ZONE	1	---	1	---
	11 - 5	ADVANCED CROSSROAD NAME WITH ARROWS (NO CARDINALS)	1	1	1	---
SUBTOTALS			30	15	23	1
TOTALS			66	28	50	3

REMOVING SIGNS SUMMARY								
CATEGORY	SIGN NUMBER	APPROX STATION	LOCATION	638.3000 REMOVING SMALL SIGN SUPPORTS	SIGN NUMBER	APPROX STATION	LOCATION	638.3000 REMOVING SMALL SIGN SUPPORTS
				EACH				EACH
0010	1-1	354+35	LT	1	5-1	477+58	RT	1
	1-2	354+35	LT	---	5-2	483+57	LT	2
	1-3	355+94	LT	2	5-3	484+49	RT	1
	1-4	358+26	RT	1	5-4	496+75	RT	2
	1-5	358+26	RT	---	6-1	503+45	LT	1
	1-6	358+23	LT	1	6-2	506+45	LT	1
	1-7	359+44	RT	2	6-3	511+51	LT	2
	1-8	363+19	LT	1	6-4	523+05	RT	2
	1-9	364+65	LT	1	6-5	526+87	RT	1
	1-10	367+00	LT	1	7-1	530+35	RT	1
	2-1	383+97	RT	1	7-2	537+07	LT	2
	2-2	385+83	RT	1	7-3	548+95	RT	1
	2-3	391+46	RT	2	7-4	549+13	LT	1
	2-4	395+52	LT	1	7-5	549+16	RT	1
	2-6	398+08	LT	1	7-6	550+65	LT	1
	2-7	398+53	RT	1	7-7	550+64	RT	1
	2-8	398+89	RT	2	7-8	552+16	LT	1
	2-9	398+84	LT	1	8-1	570+16	LT	1
	2-10	405+37	LT	2	8-2	577+63	RT	1
	3-1	438+36	RT	1	8-3	582+42	LT	1
	4-1	447+96	LT	1	9-1	602+00	RT	2
	4-2	450+58	RT	1	9-2	604+47	LT	1
	4-3	450+72	LT	1	9-3	609+28	RT	1
	4-4	451+33	LT	1	9-4	616+03	LT	2
	4-5	451+53	LT	1	10-1	625+14	RT	1
	4-6	456+35	RT	1	10-2	628+45	RT	2
	4-7	459+53	RT	1	10-3	635+15	LT	1
	4-8	461+55	RT	1	10-4	642+40	LT	2
	4-9	468+84	LT	1	10-5	647+05	LT	1
	4-10	469+50	LT	1	11-1	655+29	RT	2
	4-11	468+84	RT	1	11-2	661+47	LT	1
	4-12	469+50	RT	2	11-3	661+96	RT	1
					11-4	664+12	RT	1
					11-5	669+88	LT	2
					TOTAL			
					81			

3

TRAFFIC CONTROL SUMMARY																
CATEGORY	LOCATION	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A		643.0900 TRAFFIC CONTROL SIGNS		643.0910 TRAFFIC CONTROL COVERING SIGNS TYPE I			643.0920 TRAFFIC CONTROL COVERING SIGNS TYPE II		
			QTY	DAY	QTY	DAY	QTY	DAY	QTY	DAY	CYCLES	QTY	EACH	CYCLES	QTY	EACH
0010	DETOUR ROUTES	185	---	---	18	3,330	26	4,810	918	169,830	1	6	6	1	8	8
	SIDEROADS	185	65	12,025	32	5,920	64	11,840	27	4,995	---	---	---	---	---	---
	UNDISTRIBUTED				---	500	---	900	---	8,800	---	---	---	---	---	---
TOTALS				12,025		9,750		17,550		183,625			6			8

3

TRAFFIC CONTROL SIGNS FIXED MESSAGE					
CATEGORY	LOCATION	SIGN MESSAGE	SIZE IN X IN	643.1000 SF	NOTES
0010	WB STH 66 AT 1ST ST	DETOUR SOUTH 13 34 LANE DESIGNATION ARROW	72 X 60	30	INSTALL ON S-49-0011
TOTAL				30	

PAVEMENT MARKING SUMMARY					
CATEGORY	STATION - STATION	646.2040			646.6120
		MARKING LINE GROOVED WET REF EPOXY 6-INCH			MARKING STOP
		(YELLOW)	(YELLOW)	GROOVED	LINE EPOXY
			(SKIP)	WET REF EPOXY	18-INCH
			(12.5', 37.5' GAP)	6-INCH	(WHITE)
		LF	LF	LF	LF
0010	352+50 - 400+00	3,500	1,200	9,340	---
	400+00 - 450+00	---	1,300	10,000	---
	450+00 - 500+00	2,800	1,200	9,730	45
	500+00 - 550+00	1,800	1,300	9,820	---
	550+00 - 600+00	2,800	1,200	9,910	---
	600+00 - 650+00	2,100	1,300	9,840	---
	650+00 - 667+68	2,500	1,100	8,560	---
	SUBTOTALS	15,500	8,600	67,200	45
	ITEM TOTALS		91,300		45

LOCATING NO-PASSING ZONES		
CATEGORY	PROJECT	648.0100
		MI
0010	6340-00-74	6.46

FENCE SAFETY			
CATEGORY	STATION - STATION	LOCATION	616.0700.S
			LF
0010	379+22 - 379+40	RT	40
	497+27 - 499+46	RT	245
	498+51 - 499+58	LT	125
TOTAL			410

SAWING			
CATEGORY	STATION - STATION	LOCATION	690.0150*
			SAWING ASPHALT LF
0010	352+50	LT/RT	37
	355+50	LT/RT	30
	385+17 - 385+45	LT	28
	397+75 - 398+83	LT	107
	397+87 - 398+85	RT	98
	450+39 - 451+51	RT	112
	450+45 - 451+55	LT	109
	450+89 - 451+11	LT	22
	450+92 - 451+14	RT	22
	476+87 - 477+72	RT	85
	498+70 - 498+86	RT	16
	503+24 - 504+24	LT	100
	517+99 - 518+20	LT	21
	518+56 - 518+74	LT	19
	520+25 - 520+43	LT	18
	529+56 - 530+67	RT	111
	546+06	LT/RT	33
	549+06	LT/RT	35
	550+74	LT/RT	35
	553+74	LT/RT	33
	554+76 - 554+88	RT	12
	555+32 - 555+48	LT	16
	582+37 - 583+20	LT	82
	608+57 - 609+35	RT	78
	634+99 - 635+76	LT	76
	661+21 - 662+09	RT	89
	661+31 - 662+13	LT	82
	690+59	LT/RT	31
	693+59	LT/RT	30
TOTAL			1,567

*ADDITIONAL QUANTITIES LISTED ELSEWHERE

3

3

CONSTRUCTION STAKING SUMMARY								
			650.4000 CONSTRUCTION STAKING STORM SEWER	650.5000 CONSTRUCTION STAKING BASE	650.6000 CONSTRUCTION STAKING PIPE CULVERTS	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT	650.8000 CONSTRUCTION STAKING RESURFACING REFERENCE	650.9920 CONSTRUCTION STAKING SLOPE STAKES
CATEGORY	STATION - STATION	LOCATION	EACH	LF	EACH	LF	LF	LF
0010	352+50 - 400+00	LT/RT	3	4,750	11	---	4,750	4,750
	400+00 - 450+00	LT/RT	---	5,000	9	---	5,000	5,000
	450+00 - 500+00	LT/RT	---	5,000	13	---	5,000	5,000
	500+00 - 550+00	LT/RT	---	5,000	11	15	5,000	5,000
	550+00 - 600+00	LT/RT	---	5,000	13	15	5,000	5,000
	600+00 - 650+00	LT/RT	---	5,000	9	---	5,000	5,000
	650+00 - 693+59.13	LT/RT	---	4,359	6	---	4,359	4,359
TOTALS			3	34,109	72	30	34,109	34,109

LAND PARCEL MONUMENT SUMMARY			
		SPV.0060.01 RESEARCH AND LOCATE EXISTING LAND PARCEL MONUMENTS	SPV.0060.02 VERIFY AND REPLACE EXISTING LAND PARCEL MONUMENTS
CATEGORY	PROJECT	EACH	EACH
0010	6340-00-74	41	41
	TOTALS	41	41

MONUMENT SUMMARY			
		621.0100 LANDMARK REFERENCE MONUMENTS	SPV.0060.03 REESTABLISH SECTION CORNER MONUMENTS
CATEGORY	STATION	EACH	EACH
0010	369+38	4	1
	398+26	4	1
	424+64	4	1
	451+00	4	1
	477+37	4	1
	503+69	4	1
	530+06	4	1
	556+31	4	1
	582+70	4	1
	608+99	4	1
	635+34	4	1
	661+68	4	1
	668+24	4	1
	TOTALS	52	13

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.01

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 5, AND A PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 4, ALL IN T23N, R6E, VILLAGE OF RUDOLPH, WOOD COUNTY, WISCONSIN

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

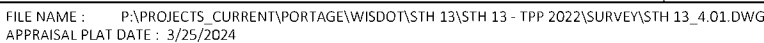
TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE-NAMED PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$ " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.



PLOT DATE : 3/25/2024 8:19 AM

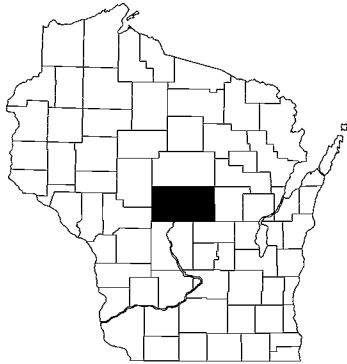
PLOT BY : AARON PARKS

PLOT NAME :

PLOT SCALE :

65

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6340-00-24
RUDOLPH - MARSHFIELD
2ND STREET NORTH TO CTH P



CONVENTIONAL SYMBOLS

SECTION LINE	---	SECTION CORNER SYMBOL		R/W MONUMENT (TO BE SET)	•
QUARTER LINE	---	NON-MONUMENTED R/W POINT	○		
SIXTEENTH LINE	---	SECTION CORNER MONUMENT		FOUND IRON PIN (1-INCH UNLESS NOTED)	IP
NEW REFERENCE LINE	---	GEODETIC SURVEY MONUMENT		OFF-PREMISE SIGN	
NEW R/W LINE	---	SIXTEENTH CORNER MONUMENT			
EXISTING R/W OR HE LINE	---	SIGN			
PROPERTY LINE	---				
LOT, TIE & OTHER MINOR LINES	---				
SLOPE INTERCEPT	---				
CORPORATE LIMITS	---	ELECTRIC POLE		COMPENSABLE	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	---	TELEPHONE POLE		NON-COMPENSABLE	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)	---	PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)			
TEMPORARY LIMITED EASEMENT AREA	---	ACCESS RESTRICTED BY ACQUISITION			
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)	---	NO ACCESS (BY STATUTORY AUTHORITY)			
TRANSMISSION STRUCTURES	---	ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)			
BUILDING		NO ACCESS (NEW HIGHWAY)			
TO BE REMOVED		PARCEL NUMBER (25)		UTILITY NUMBER (40)	
BRIDGE		PARALLEL OFFSETS			
CULVERT					

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS (100')	
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED EASEMENT	TLE
GRID NORTH	GN		
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

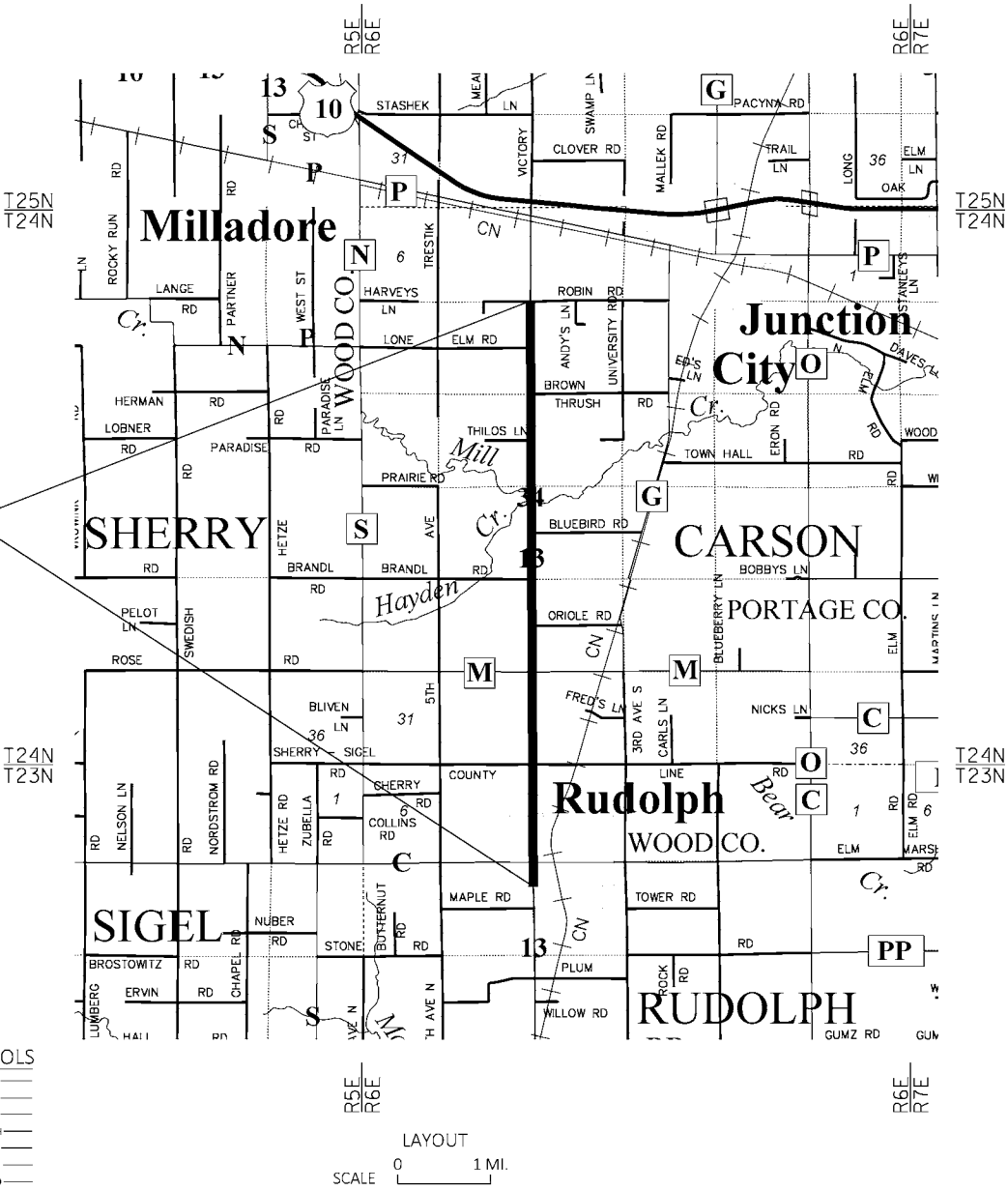
CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	---
GAS	---
TELEPHONE	---
OVERHEAD TRANSMISSION LINES	---
ELECTRIC	---
CABLE TELEVISION	---
FIBER OPTIC	---
SANITARY SEWER	---
STORM SEWER	---
ELECTRIC TOWER	

STH 13
WOOD AND PORTAGE COUNTIES



THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6340-00-24

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FIELD/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 6340-00-24 - 4.01
SHEET 2 OF 2
AMENDMENT NO: 66

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED HE	TLE SQUARE FEET
4	NATIONAL PROPANE, L.P.	TLE	0	1861
5	CHARLES & MARCIE OESTREICH	TLE	0	4596
6	LARRY G. & BELLE A. OERTEL	TLE	0	5642
7	BRAD A. & BRENDA L. KLUCK	HE, TLE	1432	4585
8	FULLER BROTHERS, LLC	TLE	0	2172

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.02

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 5, T23N, R6E, TOWN OF RUDOLPH, PART OF LOT 1 OF WOOD COUNTY CERTIFIED SURVEY MAP #6275 AND PART OF LOT 4 OF WOOD COUNTY CERTIFIED SURVEY MAP #9466 IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, T23N, R6E, VILLAGE OF RUDOLPH AND PART OF LOT 1 OF WOOD COUNTY CERTIFIED SURVEY MAP #1566 IN THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, T23N, R6E, TOWN OF RUDOLPH, WOOD COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

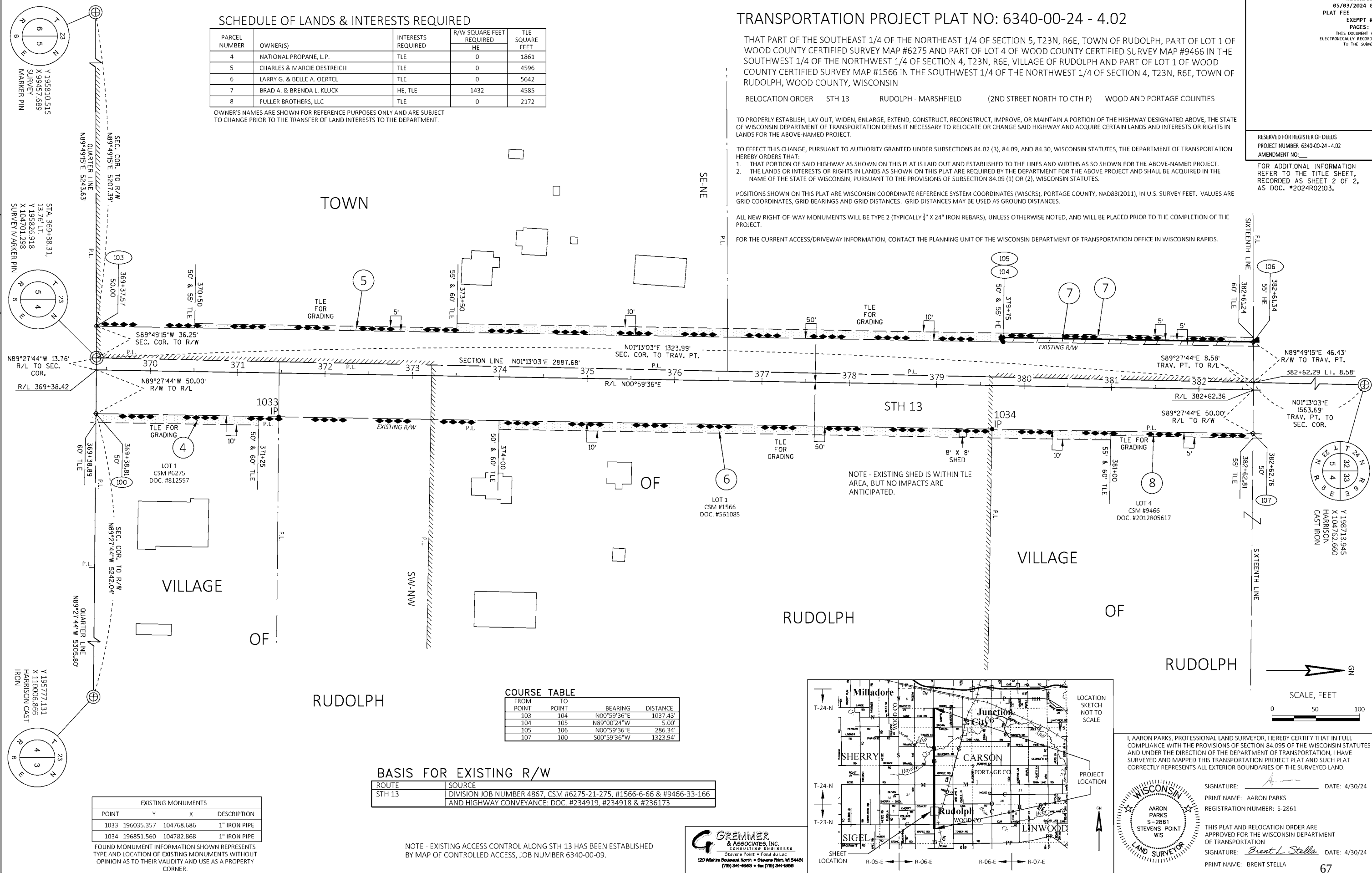
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.02
AMENDMENT NO.:

FOR ADDITIONAL INFORMATION
REFER TO THE TITLE SHEET,
RECORDED AS SHEET 2 OF 2,
AS DOC. #2024R02103.



4

4

COURSE TABLE

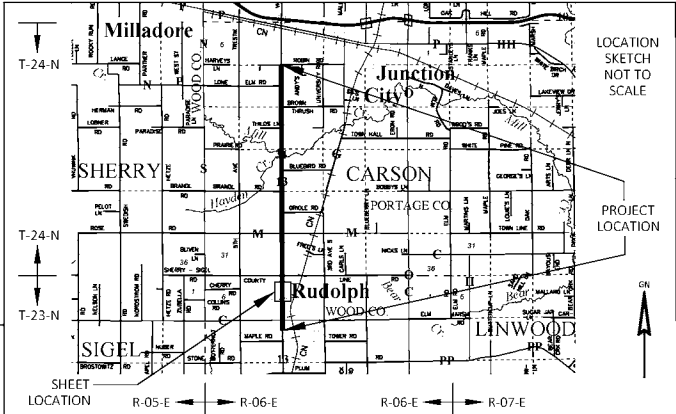
FROM POINT	TO POINT	BEARING	DISTANCE
103	104	N00°59'36"E	1037.43'
104	105	N89°00'24"W	5.00'
105	106	N00°59'36"E	286.34'
107	100	S00°59'36"W	1323.94'

BASIS FOR EXISTING R/W

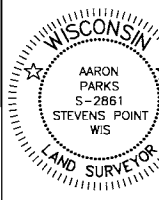
ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4867, CSM #6275-21-275, #1566-6-66 & #9466-33-166 AND HIGHWAY CONVEYANCE: DOC. #234919, #234918 & #236173

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-00-09.

G REMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wildlife Boulevard North • Stevens Point, WI 54481
(715) 541-4060 • fax (715) 541-1066



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: Aaron Parks DATE: 4/30/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: Brent L. Stella DATE: 4/30/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED HE	TLE SQUARE FEET
8	FULLER BROTHERS, LLC	TLE	0	327
9	JACO PROPERTIES, LLC	TLE	0	1750
10	STUFF IT STORAGE, LLC, A WISCONSIN LLC	TLE	0	1502
11	STEVE & KAY ZIMMERMAN	TLE, HE	3693	10194
12	ROBERT A. JOOSTEN	TLE	0	1959

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.03

THAT PART OF THE FRACTIONAL NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 5, T23N, R6E, TOWN OF RUDOLPH, PART OF LOT 4 OF CERTIFIED SURVEY MAP #9466, PART OF LOT 1 OF CERTIFIED SURVEY MAP #9595 AND INCLUDING PART OF THE FRACTIONAL NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, T23N, R6E, VILLAGE OF RUDOLPH AND PART OF LOT 1 OF CERTIFIED SURVEY MAP #5600 AND INCLUDING PART OF THE FRACTIONAL NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 4, T23N, R6E, TOWN OF RUDOLPH, ALL IN WOOD COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE-NAMED PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

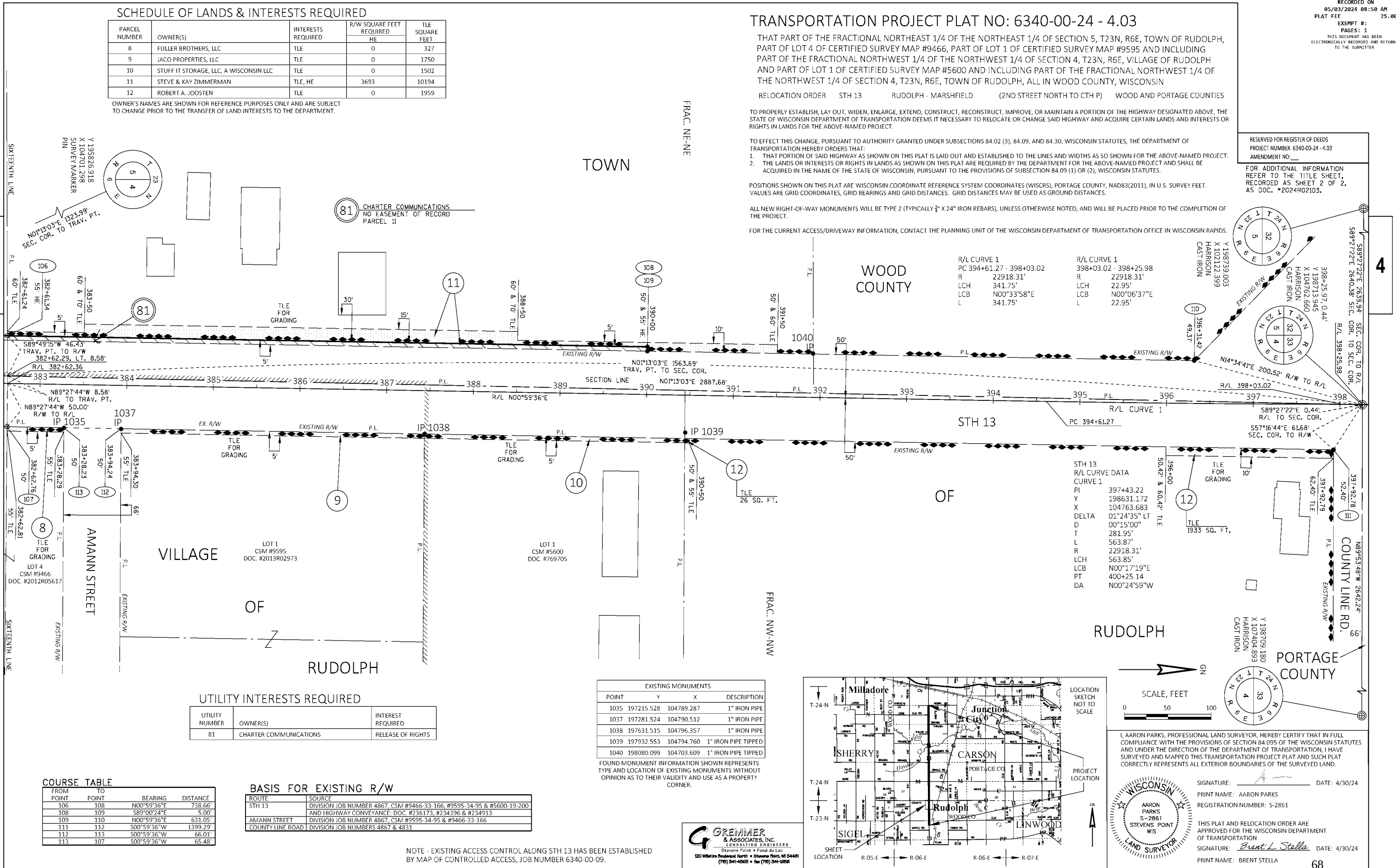
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.03
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION
REFER TO THE TITLE SHEET,
RECORDED AS SHEET 2 OF 2,
AS DOC. #2024R02103.



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
81	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
106	108	N00°59'36"E	738.66'
108	109	S89°00'24"E	5.00'
109	110	N00°59'36"E	631.05'
111	112	S00°59'36"W	1399.29'
112	113	S00°59'36"W	66.01'
113	107	S00°59'36"W	65.48'

BASIS FOR EXISTING R/W

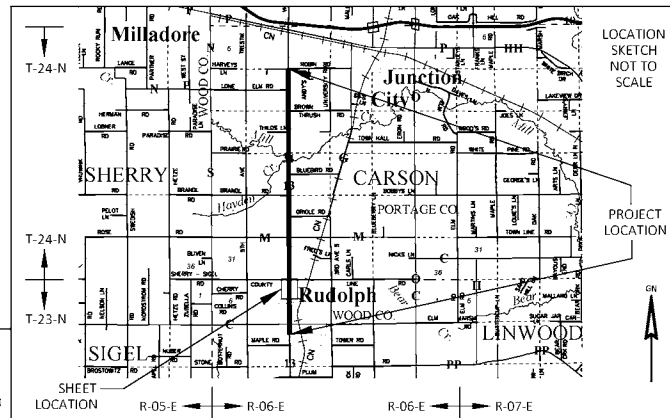
ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4867, CSM #9466-33-166, #9595-34-95 & #5600-19-200 AND HIGHWAY CONVEYANCE, DOC. #236173, #234396 & #234913
AMANN STREET	DIVISION JOB NUMBER 4867, CSM #9595-34-95 & #9466-33-166
COUNTY LINE ROAD	DIVISION JOB NUMBERS 4867 & 4831

EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1035	197215.528	104789.287	1" IRON PIPE
1037	197281.524	104790.512	1" IRON PIPE
1038	197631.515	104796.357	1" IRON PIPE
1039	197932.553	104794.760	1" IRON PIPE TIPPED
1040	198080.099	104703.609	1" IRON PIPE TIPPED

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-00-09.

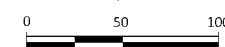
GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wildlife Boulevard North • Stevens Point, WI 54481
(715) 341-4065 • fax (715) 341-1066



RUDOLPH

PORTAGE COUNTY

SCALE, FEET



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 4/30/24

PRINT NAME: AARON PARKS

REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE
APPROVED FOR THE WISCONSIN DEPARTMENT
OF TRANSPORTATION

SIGNATURE: Brent L. Stella DATE: 4/30/24

PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W ACRES REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
13	MOLLIE J. WHITE	TLE	0	0	0	1563
14	STATE OF WISCONSIN (DNR)	TLE	0	0	0	3525
15	HOLDEN C. FLAIG	TLE	0	0	0	5500

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.04

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 AND PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 32, PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 33, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

905280

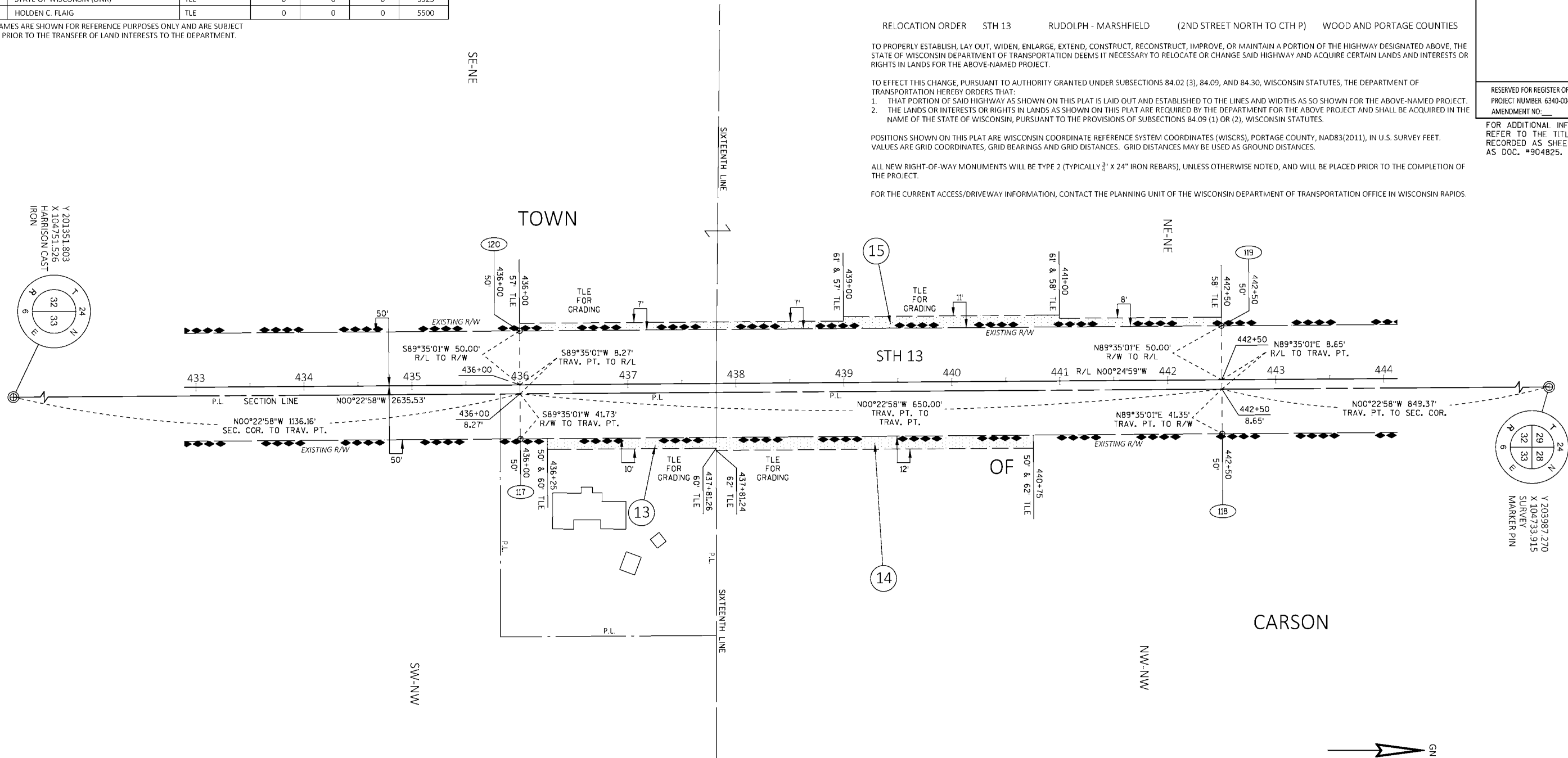
CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
05/24/2024 07:52 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.04
AMENDMENT NO.:

FOR ADDITIONAL INFORMATION
REFER TO THE TITLE SHEET,
RECORDED AS SHEET 2 OF 2,
AS DOC. *904825.

4



4

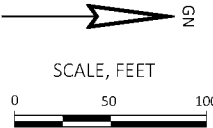
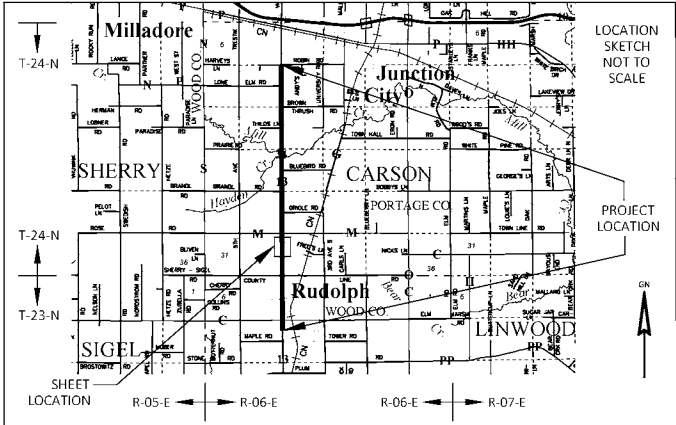
COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
120	119	N00°24'59"W	650.00'
118	117	S00°24'59"E	650.00'

BASIS FOR EXISTING R/W

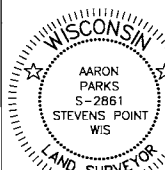
ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC. #167306, DATED JUNE 11, 1941 AND DOC. # 268786, DATED MARCH 22, 1966

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.



G. GRENNER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Main Street North • Stevens Point, WI 54481
(715) 541-4963 • Fax (715) 541-1556

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: *[Signature]* DATE: 5/20/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *[Signature]* DATE: 5/20/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W ACRES REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
16	FREDRICK D. & JULIE A. HILES	TLE	0	0	0	89
17	JENNIFER HILL	TLE	0	0	0	4932
18	EVELYN B. DOBBS, A LIFE ESTATE INTEREST; AND HARVEY J. DOBBS, KENNETH J. DOBBS, THOMAS E. DOBBS, LARRY R. DOBBS AND BARBARA J. RICE, ALL A ONE-FIFTH INTEREST AS TENANTS IN COMMON, A REMAINDER INTEREST	TLE	0	0	0	4216
19	CAROL M. JACKS-KEIP	TLE	0	0	0	1503

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.05

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 AND PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 29 AND PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 28, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

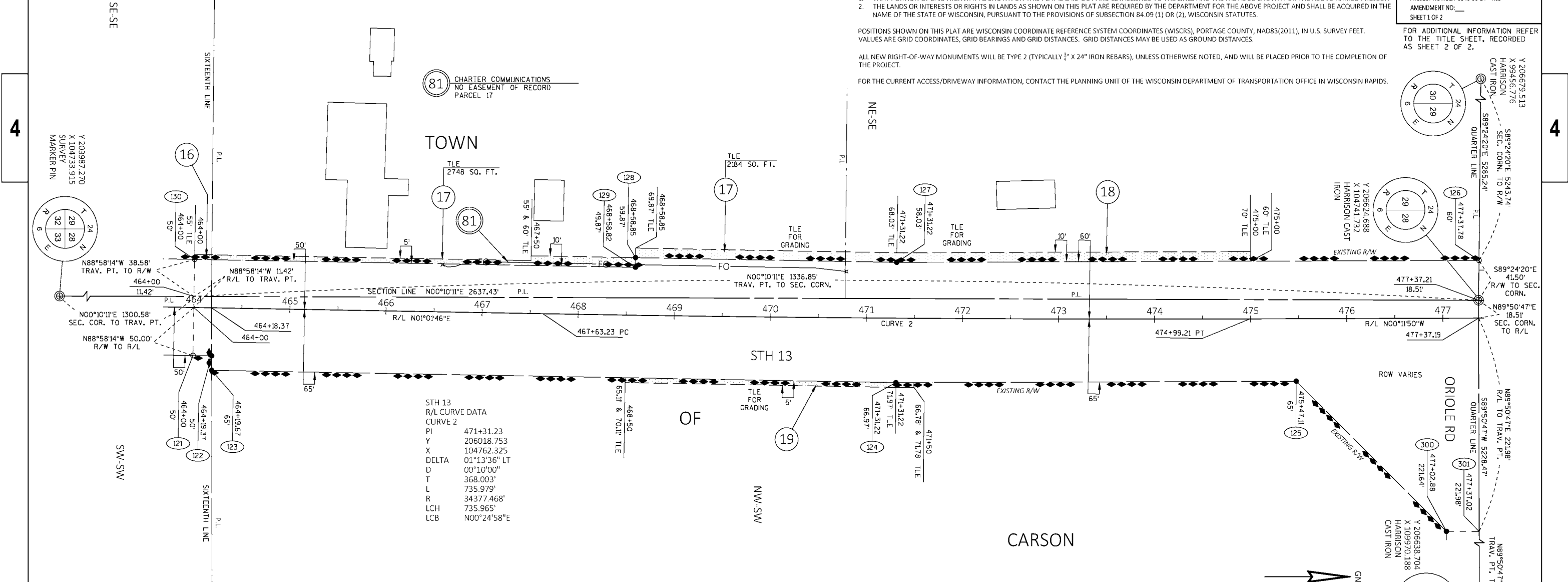
904825

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
05/06/2024 11:46 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 2
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.05
AMENDMENT NO: _____
SHEET 1 OF 2

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2.



81 CHARTER COMMUNICATIONS
NO EASEMENT OF RECORD
PARCEL 17

TOWN

STH 13

OF

CARSON

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
130	129	N01°01'46"E	458.68'
129	128	N88°58'14"W	10.00'
128	127	N01°01'46"E	271.91'
127	126	N00°11'50"W	605.93'
301	300	S00°22'40"W	34.14'
300	125	S44°57'39"W	220.91'
125	124	S00°11'50"E	416.60'
124	123	S01°01'46"W	712.26'
123	122	S89°52'50"W	15.00'
122	121	S01°01'46"W	19.37'

UTILITY INTERESTS REQUIRED

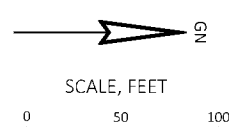
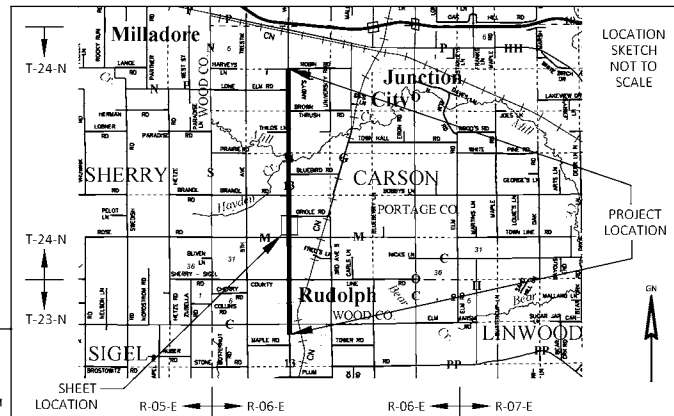
UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
81	CHARTER COMMUNICATIONS	RELEASE OF RIGHTS

BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC. #167303, DATED JUNE 11, 1941, DOC. #167301, DATED JUNE 11, 1941 AND DOC. #167291, DATED JUNE 11, 1941
ORIOLE ROAD	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wildlife Boulevard North • Stevens Point, WI 54481
(715) 541-4363 • Fax (715) 541-1866



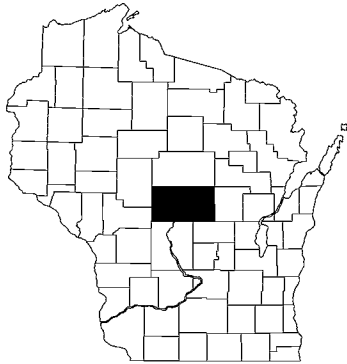
I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN
AARON PARKS
S-2861
STEVENS POINT
WI
LAND SURVEYOR

SIGNATURE: _____ DATE: 5/01/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: Brent L. Stella DATE: 5/01/24
PRINT NAME: BRENT STELLA

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
TRANSPORTATION PROJECT PLAT TITLE SHEET
6340-00-24
RUDOLPH - MARSHFIELD
2ND STREET NORTH TO CTH P



CONVENTIONAL SYMBOLS

SECTION LINE	---	SECTION CORNER SYMBOL		R/W MONUMENT (TO BE SET)	•
QUARTER LINE	---	NON-MONUMENTED R/W POINT	○		
SIXTEENTH LINE	---	SECTION CORNER MONUMENT		FOUND IRON PIN (1-INCH UNLESS NOTED)	IP
NEW REFERENCE LINE	---	GEODETIC SURVEY MONUMENT			
NEW R/W LINE	---	SIXTEENTH CORNER MONUMENT			
EXISTING R/W OR HE LINE	---	SIGN		OFF-PREMISE SIGN	
PROPERTY LINE	---				
LOT, TIE & OTHER MINOR LINES	---				
SLOPE INTERCEPT	---				
CORPORATE LIMITS	---	ELECTRIC POLE		COMPENSABLE	
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)	---	TELEPHONE POLE		NON-COMPENSABLE	
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)	---	PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)			
TEMPORARY LIMITED EASEMENT AREA	---	ACCESS RESTRICTED BY ACQUISITION			
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)	---	NO ACCESS (BY STATUTORY AUTHORITY)			
TRANSMISSION STRUCTURES	---	ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)			
BUILDING		NO ACCESS (NEW HIGHWAY)			
TO BE REMOVED		PARCEL NUMBER		UTILITY NUMBER	
BRIDGE		PARALLEL OFFSETS			
CULVERT					

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF COMPOUND CURVE	PCC
ACRES	AC	POINT OF INTERSECTION	PI
AHEAD	AH	PROPERTY LINE	PL
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTRICTIVE DEVELOPMENT	RDE
CERTIFIED SURVEY MAP	CSM	EASEMENT	
CONCRETE	CONC	RIGHT	RT
COUNTY	CO	RIGHT OF WAY	R/W
COUNTY TRUNK HIGHWAY	CTH	SECTION	SEC
DISTANCE	DIST	SEPTIC VENT	SEPV
CORNER	COR	SQUARE FEET	SF
DOCUMENT NUMBER	DOC	STATE TRUNK HIGHWAY	STH
EASEMENT	EASE	STATION	STA
EXISTING	EX	TELEPHONE PEDESTAL	TP
GAS VALVE	GV	TEMPORARY LIMITED	TLE
GRID NORTH	GN	EASEMENT	
HIGHWAY EASEMENT	HE	TRANSPORTATION PROJECT PLAT	TPP
IDENTIFICATION	ID	UNITED STATES HIGHWAY	USH
LAND CONTRACT	LC	VOLUME	V
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		

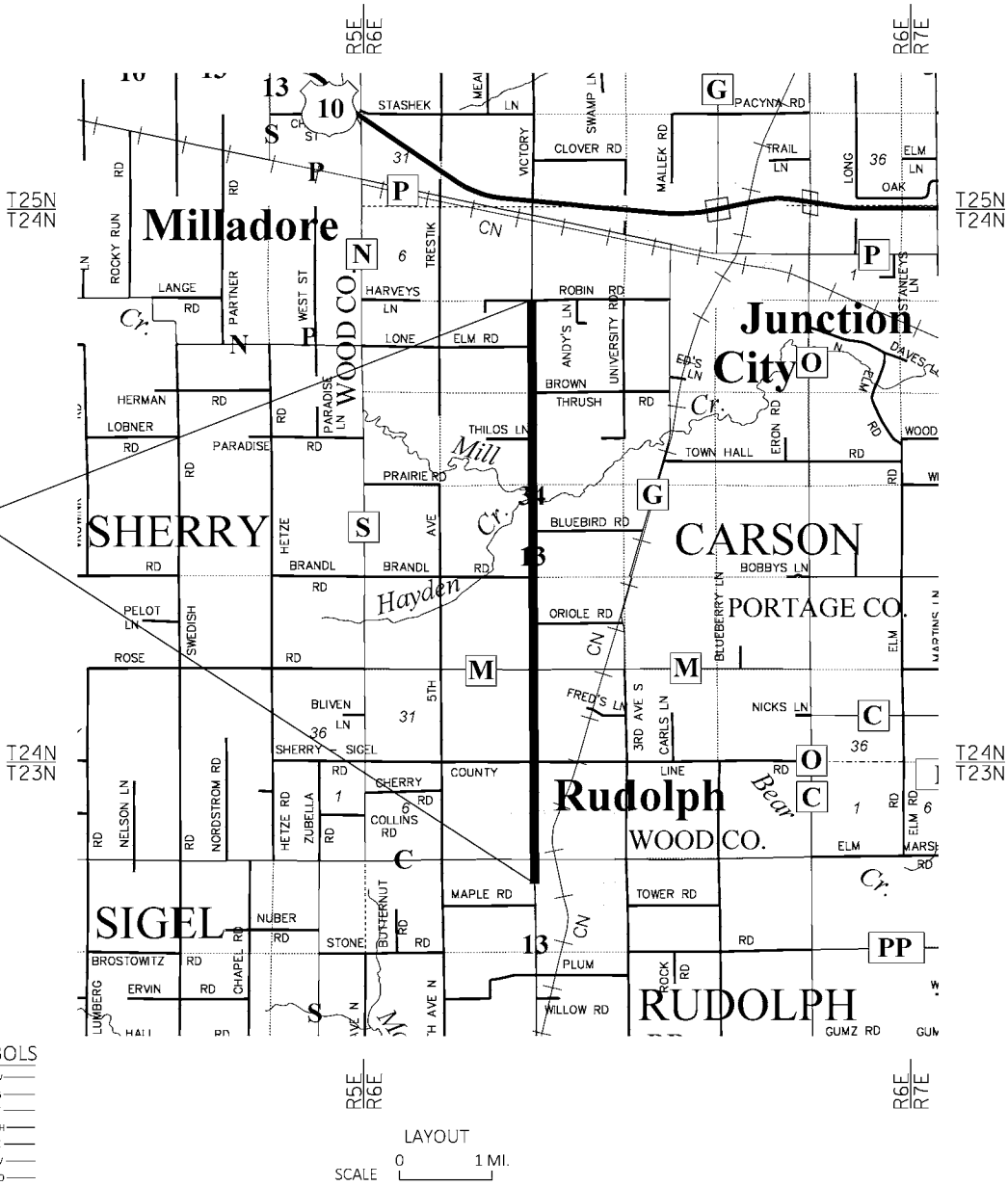
CURVE DATA ABBREVIATIONS

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

WATER	---
GAS	---
TELEPHONE	---
OVERHEAD TRANSMISSION LINES	---
ELECTRIC	---
CABLE TELEVISION	---
FIBER OPTIC	---
SANITARY SEWER	---
STORM SEWER	---
ELECTRIC TOWER	

STH 13
WOOD AND PORTAGE COUNTIES



THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6340-00-24

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY AND PERMANENT EASEMENT MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, CENTERLINE OF EXISTING PAVEMENTS AND/OR EXISTING OCCUPATIONAL LINES.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLES) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT FOR PROPERTIES BEING IMPACTED ARE DRAWN FROM DATA DERIVED FROM FIELD/RECORDED MAPS AND DOCUMENTS OF PUBLIC RECORD. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 6340-00-24 - 4.05
SHEET 2 OF 2
AMENDMENT NO: 71

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W ACRES REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
20	GENE E. ELVERS & ALICE M. STRANSKY-ELVERS	TLE	0	0	0	2500
21	DIANE L. WEILER	TLE	0	0	0	5500

6340-00-24 - 4.06

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.07

THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 29, PART OF LOT 1 OF CERTIFIED SURVEY MAP #6091-22-164 LOCATED IN THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND INCLUDING PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 28, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
22	MICHELLE L. BERANEK	TLE	0	0	0	1666
23	SAMUEL & HELEN WORZALLA, A LIFE ESTATE INTEREST; AND GERALD W. WORZALLA, A REMAINDER INTEREST	TLE	0	0	0	5082
24	AARON & HEWOTE PERSHERN	TLE	0	0	0	2250

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

905282

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
05/24/2024 07:57 AM

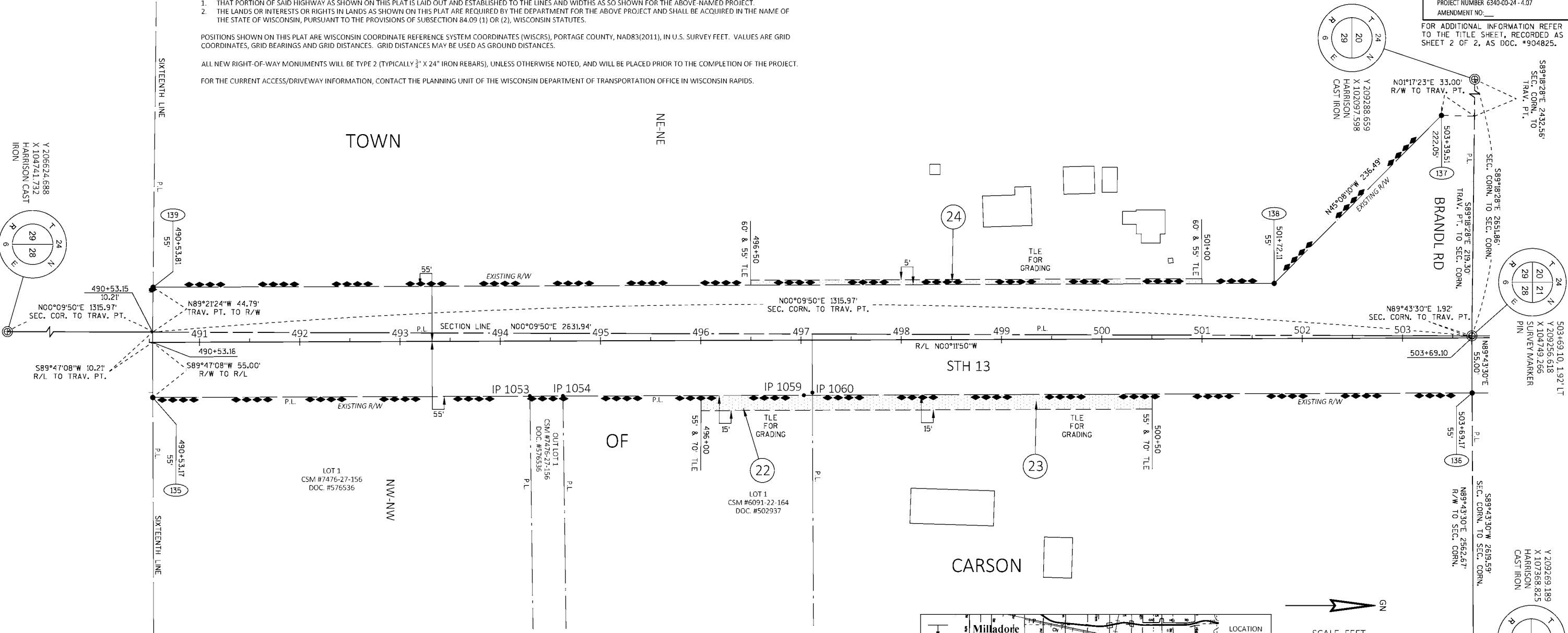
REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.07
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.

4

4



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
139	138	N00°11'50"W	1118.30'
136	135	S00°11'50"E	1316.00'

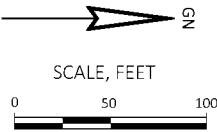
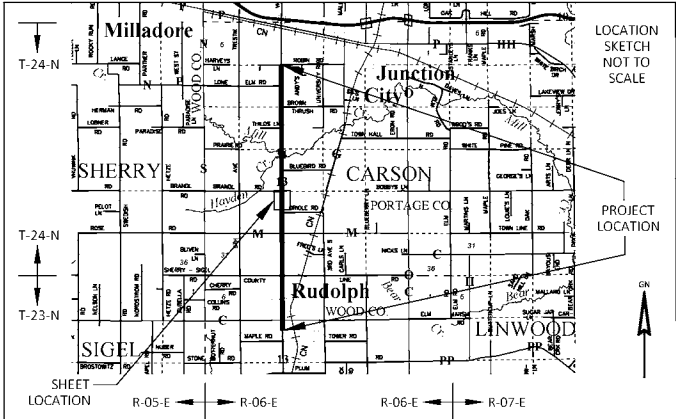
EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1053	208317.029	104809.334	1" IRON PIPE
1054	208349.984	104809.302	1" IRON PIPE
1059	208590.255	104808.480	1" IRON PIPE
1060	208598.812	104805.919	2" IRON PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

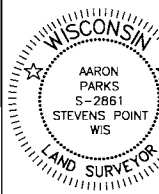
BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, CSM #6091-22-164, HIGHWAY CONVEYANCES;
	DOC. #167302, DATED JUNE 11, 1941 AND DOC. #167307, DATED JUNE 11, 1941
BRANDL ROAD	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 5/22/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: Brent L. Stella DATE: 5/22/24
PRINT NAME: BRENT STELLA

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED	TLE SQUARE FEET
			HE	
25	JOSHUA A. & BECKY L. MOSCINSKI	HE, TLE	1138	1875
26	MARY LOU SANFORD, A 2/3 INTEREST AND ELIZABETH L. DENSCH, A 1/3 INTEREST	HE, TLE	1750	1375

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.08

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY $\frac{3}{4}$ " X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

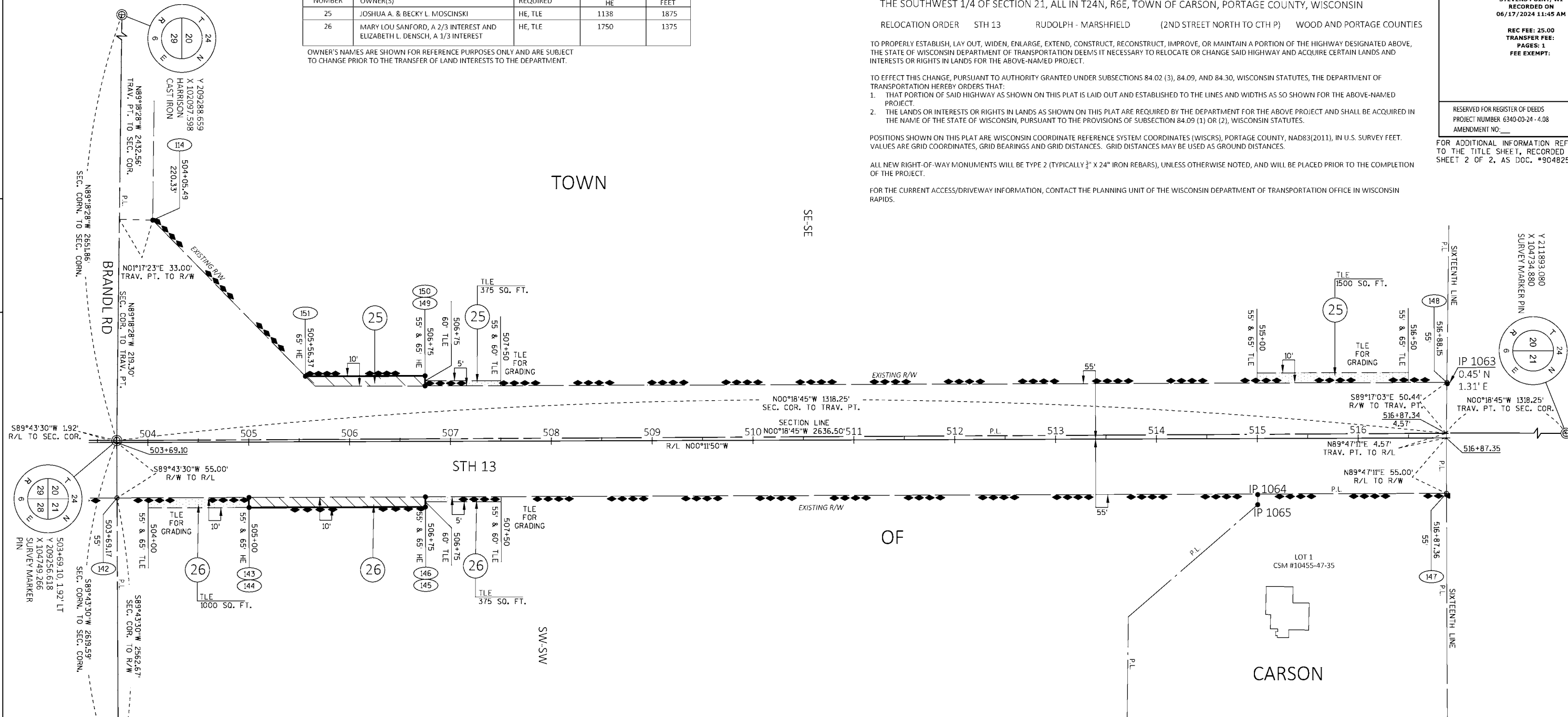
FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

**CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
06/17/2024 11:45 AM**

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.08
AMENDMENT NO: _____

FOR ADDITIONAL INFORMATION REFER
TO THE TITLE SHEET, RECORDED AS
SHEET 2 OF 2, AS DOC. #904825.

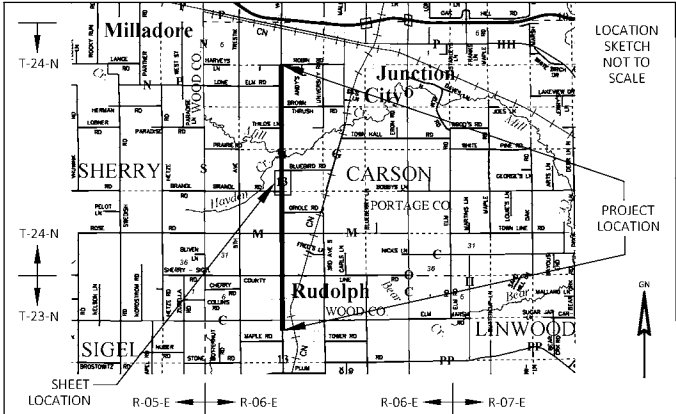


EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1063	210575.931	104692.950	3/4" REBAR
1064	210387.922	104802.853	3/4" REBAR
1065	210387.899	104812.895	3/4" REBAR

FOUND MONUMENT INFORMATION SHOWN REPRESENTS
TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT
OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY
CORNER.

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC. #167292, DATED JUNE 11, 1941, AWARD OF DAMAGES: DOC. #266787, DATED MARCH 22, 1968 AND CSM #10455-47-35
BRANDL ROAD	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.



SCALE, FEET

0 50 100

G GREMMER
& ASSOCIATES, INC.
 CONSULTING ENGINEERS
 Stevens Point • Fond du Lac
 120 Wainio Boulevard North • Stevens Point, WI 54480
 (715) 341-4263 • Fax (715) 341-1266

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 6/06/24

PRINT NAME: AARON PARKS

REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE
APPROVED FOR THE WISCONSIN DEPARTMENT
OF TRANSPORTATION

SIGNATURE: Brent L Stella DATE: 6/06/24

PRINT NAME: BRENT STELLA

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
114	151	N45°38'07"E	216.5'
151	150	N00°11°50'W	118.63'
150	149	N89°48'10"E	10.00'
149	148	N00°11°50'W	1013.15'
147	146	S00°11°50'E	1012.36'
146	145	N89°48'10"E	10.00'
145	144	S00°11°50'E	175.00'
144	143	S89°48'10"E	10.00'
143	142	S00°11°50'W	130.82'

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
27	ALTMANN ENTERPRISES GRAIN, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	0	0	0	1750

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.09

THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 21, IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

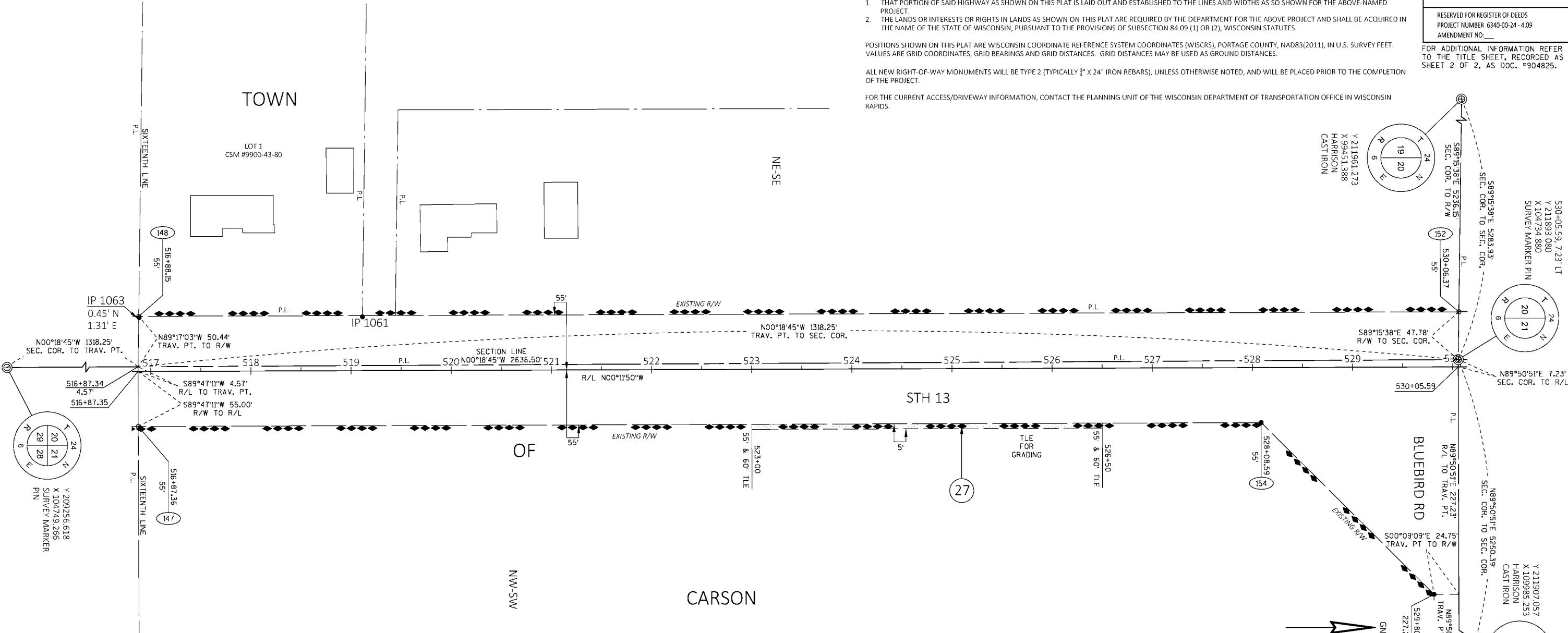
905801

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
06/17/2024 11:46 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.09
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
148	152	N00°11'50"W	1318.23'
153	154	S44°49'31"W	243.44'
154	147	S00°11'50"E	1121.23'

EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1061	210798.832	104692.214	3/4" REBAR
1063	210575.931	104692.950	3/4" REBAR

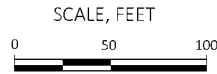
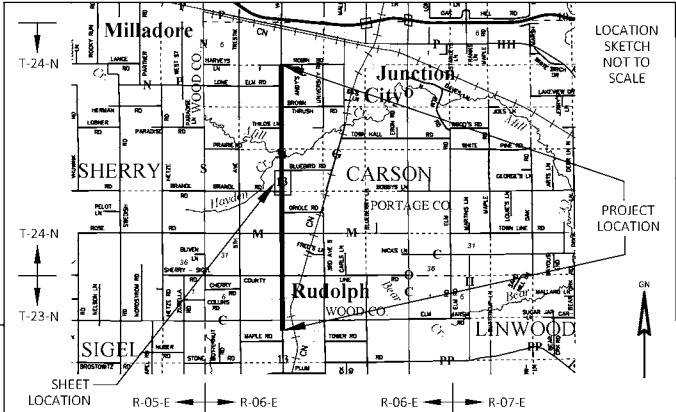
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

BASIS FOR EXISTING R/W

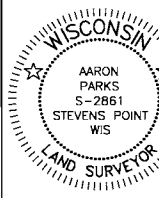
ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC. #167296, DATED JUNE 11, 1941, AND CSM #9900-43-80
BLUEBIRD ROAD	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

G REMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wildlife Boulevard North • Stevens Point, WI 54481
(715) 541-4060 • fax (715) 541-1066



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 6/06/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *Brent L. Stella* DATE: 6/06/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
28	KYLE D. & LAUREEN SALLY ALTMANN	TLE	0	0	0	1848

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.10

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20, IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN
RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

- TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
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POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

905802

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
06/17/2024 11:48 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.10
AMENDMENT NO.:

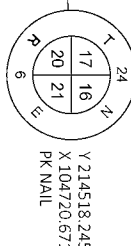
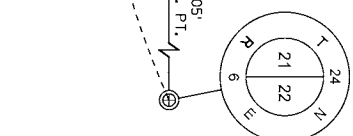
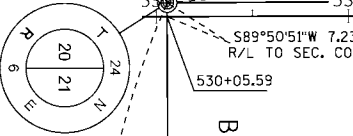
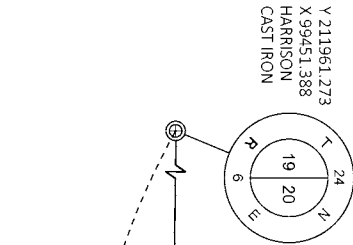
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. *904825.

TOWN

OF

STH 13

CARSON



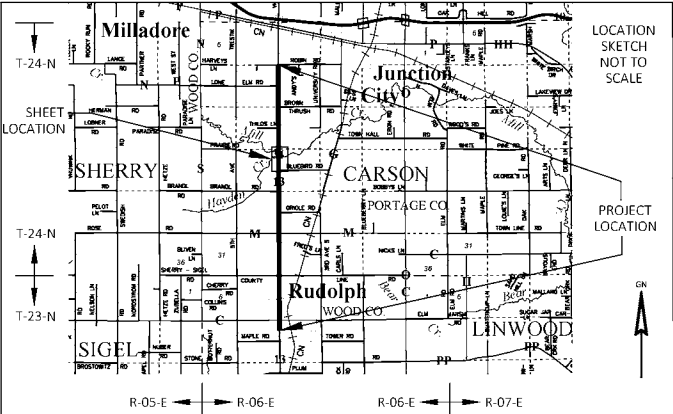
EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1068	211918.339	104971.273	1" IRON PIPE
1070	213205.850	104792.074	1" IRON PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC. #167297, DATED JUNE 11, 1941, AND CSM #10146-45-26
BLUEBIRD ROAD	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.



G. GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Main Street • Stevens Point, WI 54481
(715) 541-4963 • Fax (715) 541-4966

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: *[Signature]* DATE: 6/06/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *[Signature]* DATE: 6/06/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			R/W SQUARE FEET REQUIRED HE	TLE SQUARE FEET
			NEW	EXISTING	TOTAL		
29	SANDRA L. ASHBECK	HE, TLE	0	0	0	9000	3979
30	LINDSEY M. MOSCINSKI	FEE	5746	86761	92507	0	0
31	MILTON J. & KATHLEEN D. EGMER	FEE	2254	0	2254	0	0

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.11

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #6094-22-167, LOCATED IN AND INCLUDING PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 20 AND PART OF LOT 2 OF CERTIFIED SURVEY MAP #011505 AND PART OF LOT 1 OF CERTIFIED SURVEY MAP #011556, LOCATED IN PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 21, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

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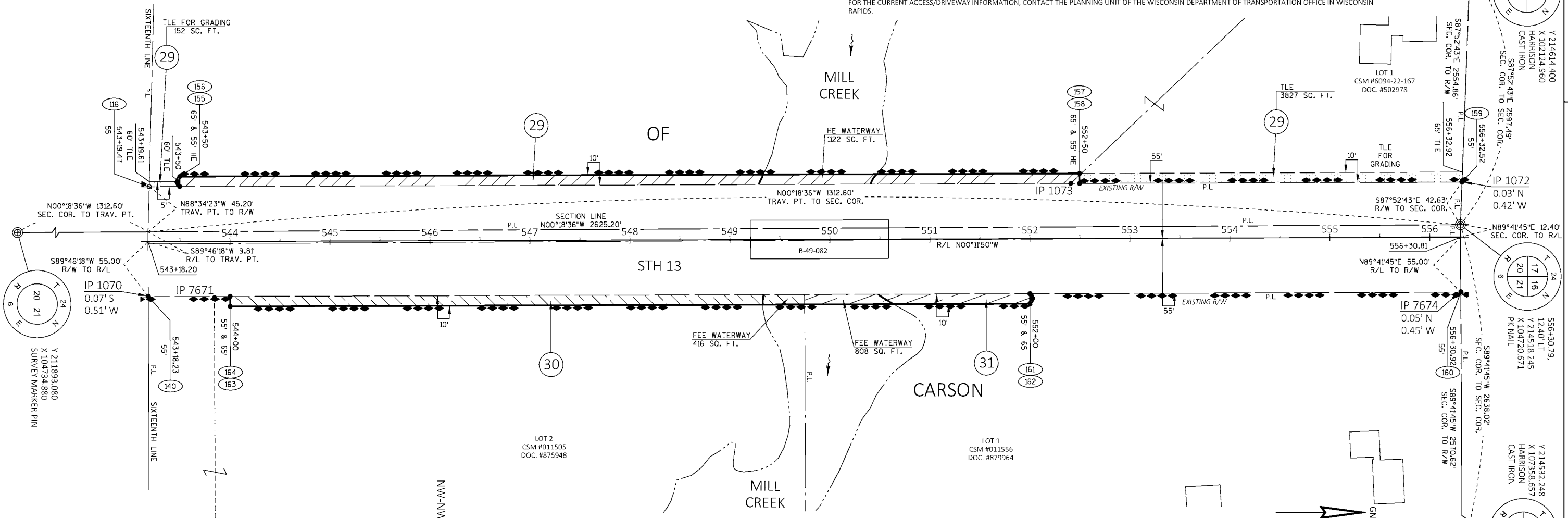
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.11
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
116	155	N00°11'50"W	30.53'
155	156	S89°48'10"W	10.00'
156	157	N00°11'50"W	900.00'
157	158	N89°48'10"E	10.00'
158	159	N00°11'50"W	382.52'
160	161	S00°11'50"E	430.92'
161	162	N89°48'10"E	10.00'
162	163	S00°11'50"E	800.00'
163	164	S89°48'10"W	10.00'
164	140	S00°11'50"E	81.77'

EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1070	213205.850	104792.074	1" IRON PIPE
1072	214519.851	104677.642	1" IRON PIPE
1073	214128.525	104679.339	1" IRON PIPE
7671	213272.042	104793.521	3/4" REBAR
7674	214518.654	104787.617	3/4" REBAR

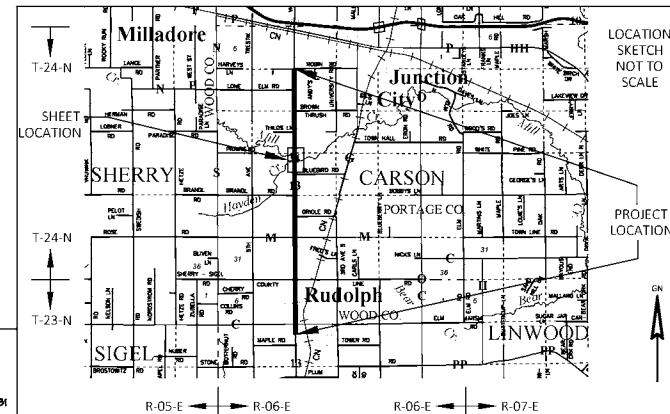
FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE, DOC. #167298, DATED JUNE 11, 1941, DOC. #167300, DATED JUNE 11, 1941, DOC. #168289, DATED OCTOBER 27, 1941, CSM #011505, CSM #011556 AND CSM #6094-22-167

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wildlife Boulevard North • Stevens Point, WI 54481
(715) 541-4065 • fax (715) 541-1066



SCALE, FEET
0 50 100

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 6/18/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: Brent L. Stella DATE: 6/18/24
PRINT NAME: BRENT STELLA

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.12 AMENDMENT NO. 1

ADD UTILITY NUMBER 83 TO TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.12, RECORDED AS DOCUMENT NUMBER 905803, BEING THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #10260-45-140 AND LOT 1 OF CERTIFIED SURVEY MAP #6127-22-200, LOCATED IN AND INCLUDING PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17 AND PART OF LOT 1 OF CERTIFIED SURVEY MAP #7189-26-119, LOCATED IN AND INCLUDING PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 16, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.12
AMENDMENT NO: 1

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
33	DIANE M. STELZER, NANCY J. DUCHOW, JOYCE A. SIKORA AND JANICE M. STASHEK	TLE	0	0	0	3604
34	DIANE M. STELZER	TLE	0	0	0	839
35	ALTMANN ENTERPRISES GRAIN, LLC, A WISCONSIN LIMITED LIABILITY COMPANY	TLE	0	0	0	916
36	ROGER PAUL & JANICE KOWALCHYK	TLE	0	0	0	1333
37	MICHAEL B. & JOYCE A. SIKORA	TLE	0	0	0	2750

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	PARCEL	INTEREST DESCRIPTION	RECORDING INFORMATION
83	33	EASEMENT	DOC. #697364

BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC. #167300, DATED JUNE 11, 1941, DOC. #167295, DATED JUNE 11, 1941 AND CSM #7189-26-119, CSM #6127-22-200, AND CSM 10260-45-140

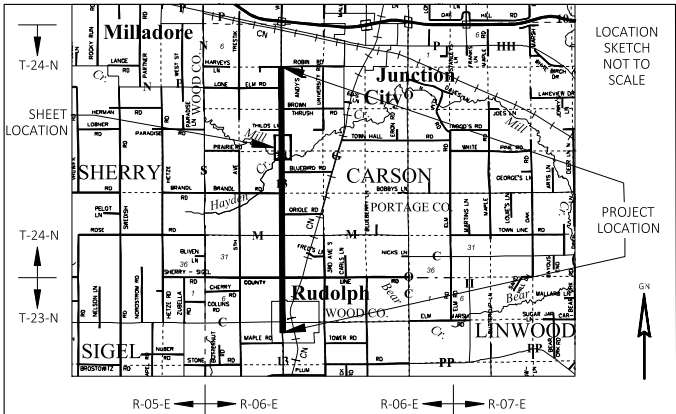
NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
159	165	N00°11'50"W	1319.35'
166	167	S00°11'50"E	326.86'
167	168	S89°48'10"W	5.00'
168	160	S00°11'50"E	993.01'

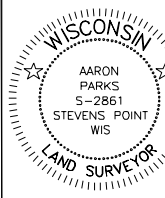
EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1072	214519.851	104677.642	1" IRON PIPE
1075	215172.091	104676.252	3/4" REBAR
1076	214853.411	104676.918	3/4" REBAR
1078	215245.076	104785.812	1" IRON PIPE
1079	215511.623	104789.969	1" IRON PIPE
1080	215555.257	104789.802	1" IRON PIPE
1081	215812.307	104673.468	1" IRON PIPE
7674	214518.654	104787.617	3/4" REBAR

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.



G GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Greenville, South Carolina • P.O. Box 100
100 Main Street North • Greenville, SC 29615
(716) 541-4585 • Fax (716) 541-1000

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 1/28/25
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: _____ DATE: 1/28/25
PRINT NAME: BRENT STELLA

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.13

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #7537-28-17, LOCATED IN AND INCLUDING PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 16 AND PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 17, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED	TLE SQUARE FEET
33	DIANE M. STELZER, NANCY J. DUCHOW, JOYCE A. SKIORA AND JANICE M. STASHEK	HE, TLE	3166	4514
39	DEAN J. ALTMANN	TLE	0	1746

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

906090

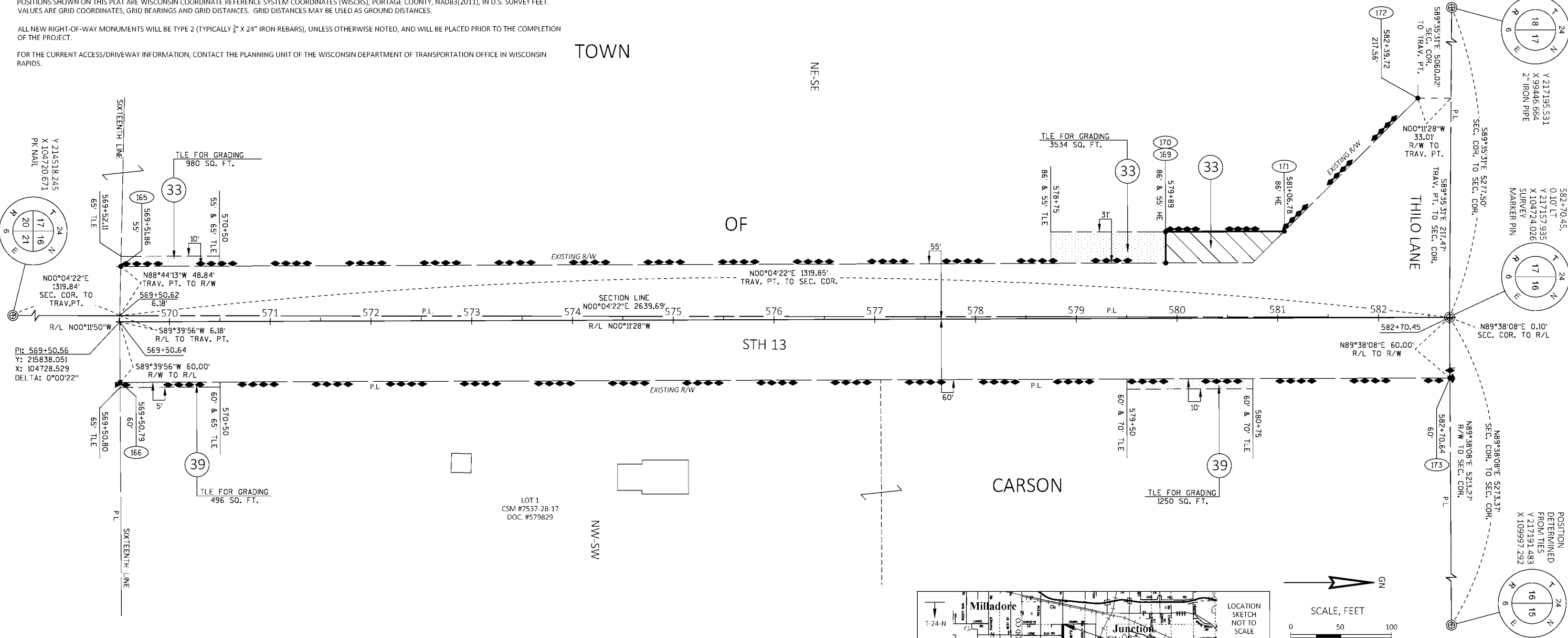
CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
06/28/2024 07:48 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.13
AMENDMENT NO. _____

4

4



COURSE TABLE

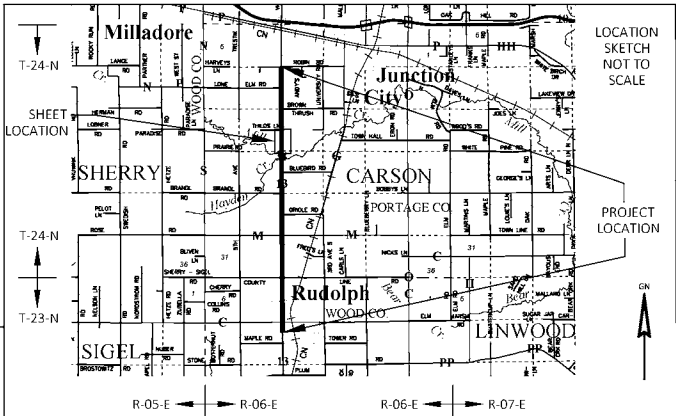
FROM POINT	TO POINT	BEARING	DISTANCE
165	169	N00°11'28"W	1037.14'
169	170	S89°48'32"W	31.00'
170	171	N00°11'28"W	117.78'
171	172	N44°53'33"W	187.04'
173	166	S00°11'28"E	1319.85'

BASIS FOR EXISTING R/W

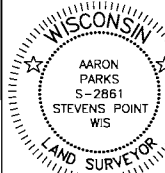
ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, HIGHWAY CONVEYANCE: DOC #167300, DATED JUNE 11, 1941, DOC #167596, DATED JULY 18, 1941 AND CSM #7537-28-17
THILO LANE	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

G REMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wisconsin Boulevard North • Stevens Point, WI 54481
(715) 341-4060 • fax (715) 341-1066



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: *[Signature]* DATE: 6/27/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *[Signature]* DATE: 6/27/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
40	RICKY A. JONES	TLE	0	0	0	2100
41	DONALD J. & MONICA MOSCINSKI	TLE	0	0	0	5230
42	DALE P. & DONNA R. ALTMANN (VENDOR); KYLE D. & LAUREEN S. ALTMANN (VENDEE) UNDER LAND CONTRACT DOCUMENT #783467	TLE	0	0	0	6944

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.14

THAT PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 17 AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 16, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

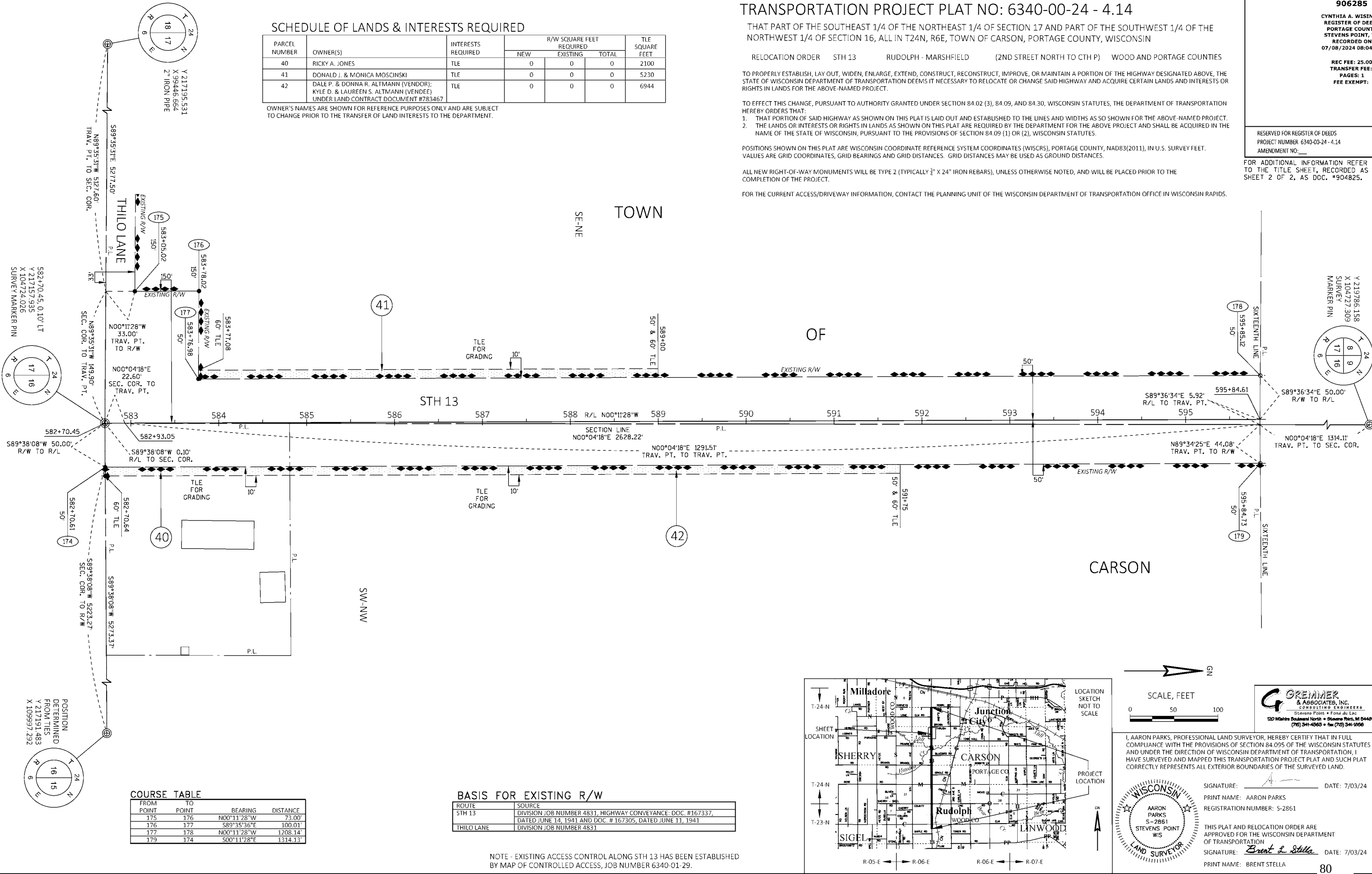
906285

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
07/08/2024 08:04 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.14
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. *904825.



SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
43	ROTH GOLDEN ACRES, LLC	TLE	0	0	0	127
44	RODNEY JOSEPH & DANIELLE JO ROTH	TLE	0	0	0	1369

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.15

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #5747-21-63, LOCATED IN AND INCLUDING PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 17, T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

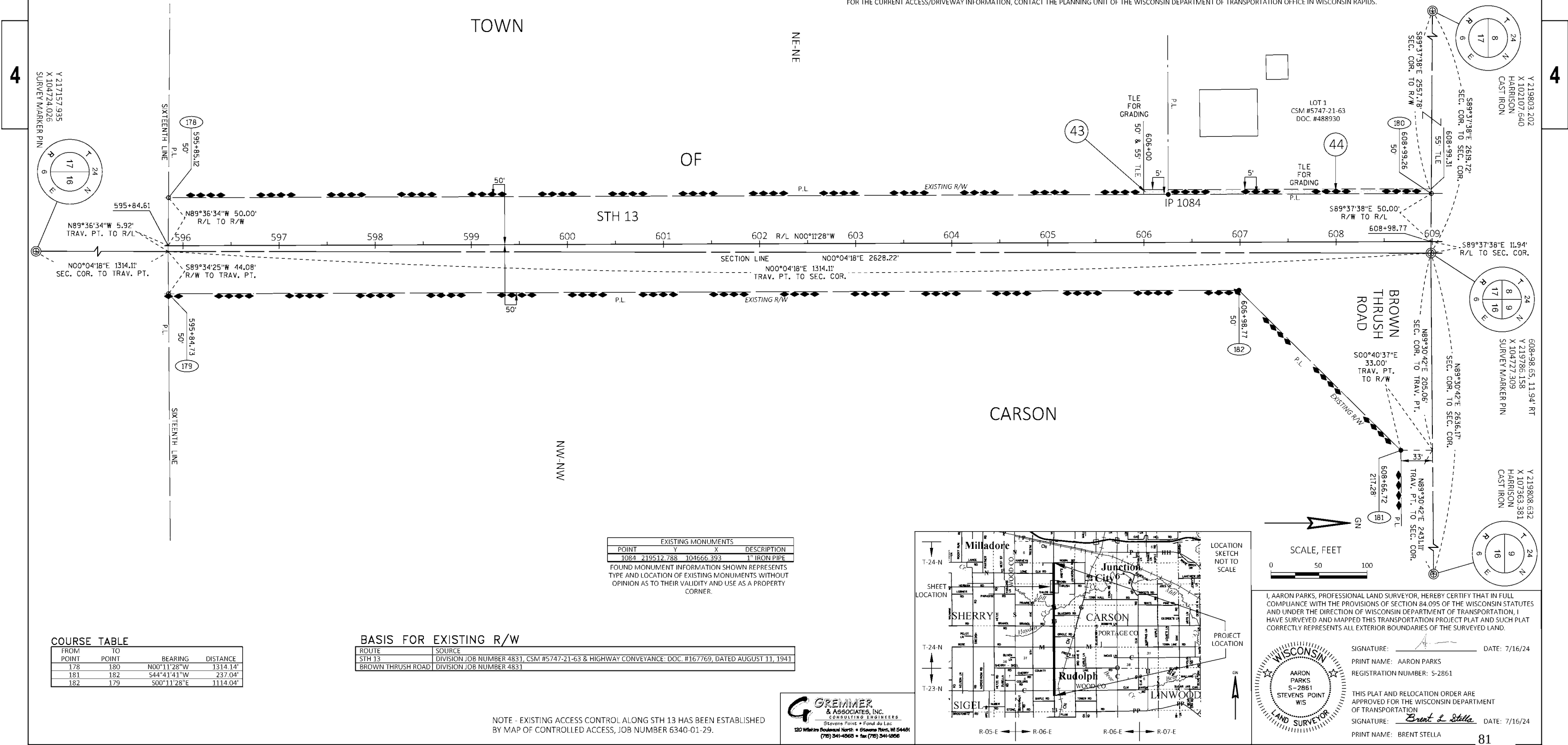
906502

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
07/17/2024 07:59 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.15
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.



4
Y 217157.935
X 104724.026
SURVEY MARKER PIN

4
Y 219803.202
X 102107.640
HARRISON
CAST IRON

Y 219803.202
X 102107.640
HARRISON
CAST IRON

Y 219803.202
X 102107.640
HARRISON
CAST IRON

Y 219803.202
X 102107.640
HARRISON
CAST IRON

Y 219803.202
X 102107.640
HARRISON
CAST IRON

COURSE TABLE			
FROM POINT	TO POINT	BEARING	DISTANCE
178	180	N00°11'28"W	1314.14'
181	182	S44°41'41"W	237.04'
182	179	S00°11'28"E	1114.04'

BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, CSM #5747-21-63 & HIGHWAY CONVEYANCE: DOC. #167769, DATED AUGUST 11, 1941
BROWN THRUSH ROAD	DIVISION JOB NUMBER 4831

EXISTING MONUMENTS		
POINT	Y	X
1084	219512.788	104666.393

DESCRIPTION
1" IRON PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

G REMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wisconsin Boulevard North • Stevens Point, WI 54481
(715) 341-4068 • fax (715) 341-1866

SIGNATURE: _____ DATE: 7/16/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *Brent L. Stella* DATE: 7/16/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
44	RODNEY JOSEPH & DANIELLE JO ROTH	TLE	0	0	0	1537
45	ROTH GOLDEN ACRES, LLC	TLE	0	0	0	716
46	LAURA J. ZUBELLA	TLE	0	0	0	8223

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.16

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #5747-21-63, LOCATED IN AND INCLUDING PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 8, AND PART OF THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 9, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

906503

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
07/17/2024 08:01 AM

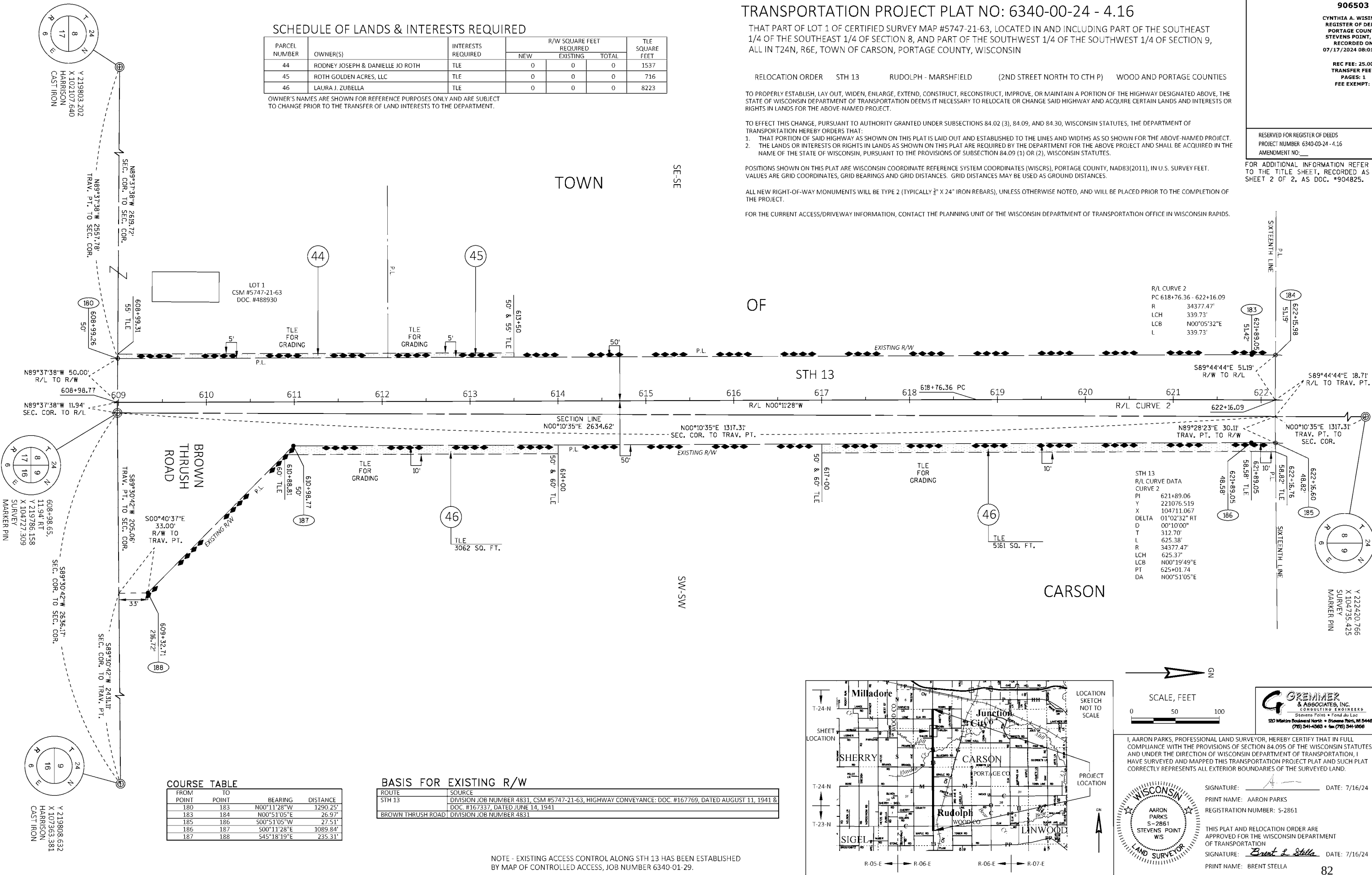
REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.16
AMENDMENT NO. _____

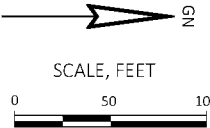
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.

4

4



NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.



G GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
122 Marine Boulevard North • Stevens Point, WI 54481
(715) 341-0363 • Fax (715) 341-1266

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 7/16/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *Brent L. Stella* DATE: 7/16/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
47	DAVID M. BRUNNER	TLE	0	0	0	3301
48	BRENT E. & RUTH A. CATURA	TLE	0	0	0	5411
49	JOSEPH L. & GAIL TRYBA, OR THEIR SUCESSOR(S) AS TRUSTEES OF THE JOSEPH L. & GAIL TRYBA JOINT REVOCABLE TRUST DATED SEPTEMBER 13, 2007	TLE	0	0	0	8400
50	GENETIC FUTURES, LLC	TLE	0	0	0	1128

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.17

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 8, AND THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #9355-39-135, LOCATED IN AND INCLUDING PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 9, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

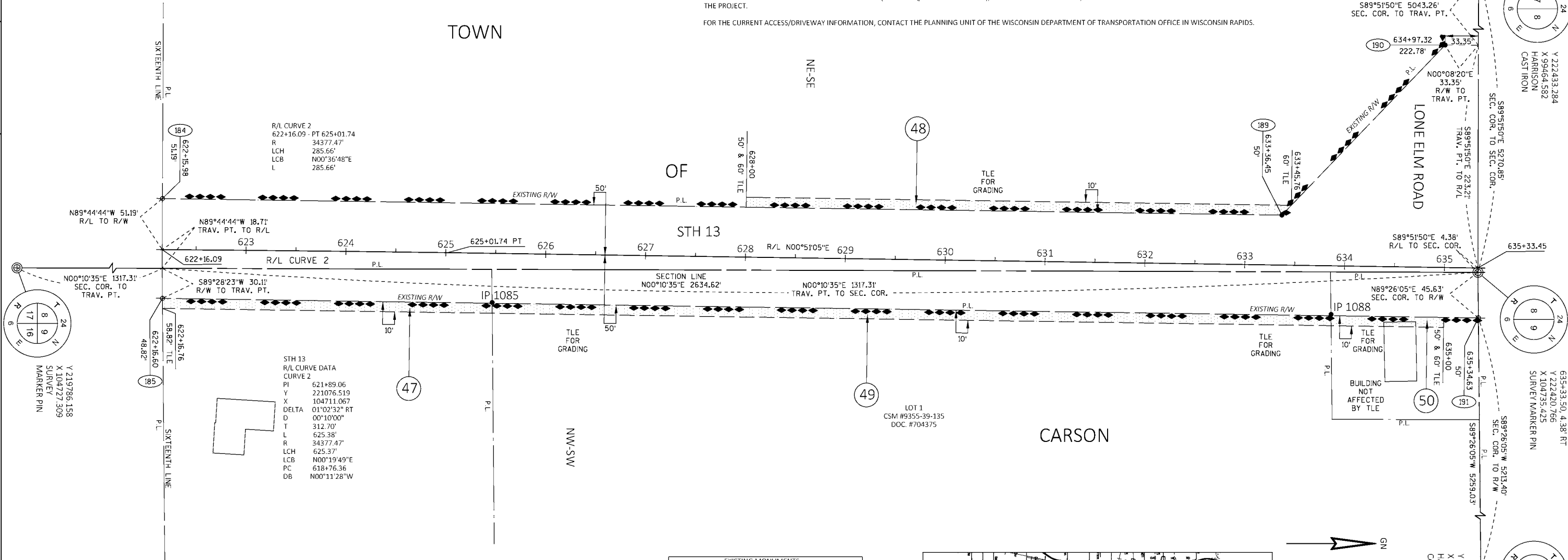
FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. #904825.

906504

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
07/17/2024 08:03 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.17
AMENDMENT NO. _____



COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
184	189	N00°51'05"E	1120.89'
189	190	N46°11'36"W	236.08'
191	185	S00°51'05"W	1317.62'

BASIS FOR EXISTING R/W

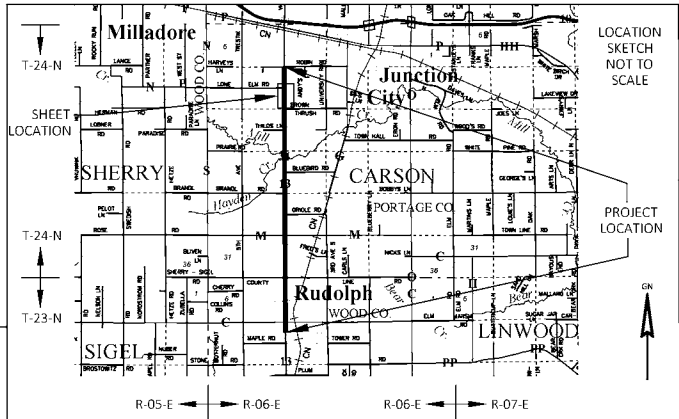
ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, CSM #9355-39-135, HIGHWAY CONVEYANCE: DOC. #167299, DATED JUNE 11, 1941 & DOC. #167288, DATED JUNE 11, 1941
LONE ELM ROAD	DIVISION JOB NUMBER 4831

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.

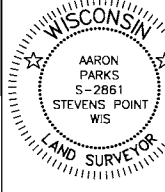
EXISTING MONUMENTS		
POINT	Y	DESCRIPTION
1085	221433.809	104765.692 1" IRON PIPE
1088	222273.673	104777.584 1" IRON PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

G REMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Wildlife Boulevard North • Stevens Point, WI 54481
(715) 341-4060 • fax (715) 341-1066



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 7/16/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *Brent E. Stella* DATE: 7/16/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
51	WILLIAM B. & THOMAS N. ROTH	TLE	0	0	0	7504
52	LAURA J. ZUBELLA	TLE	0	0	0	8530

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.18

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #7753-29-33 LOCATED IN PART OF THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 8, AND PART OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 9, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), PORTAGE COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/8" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

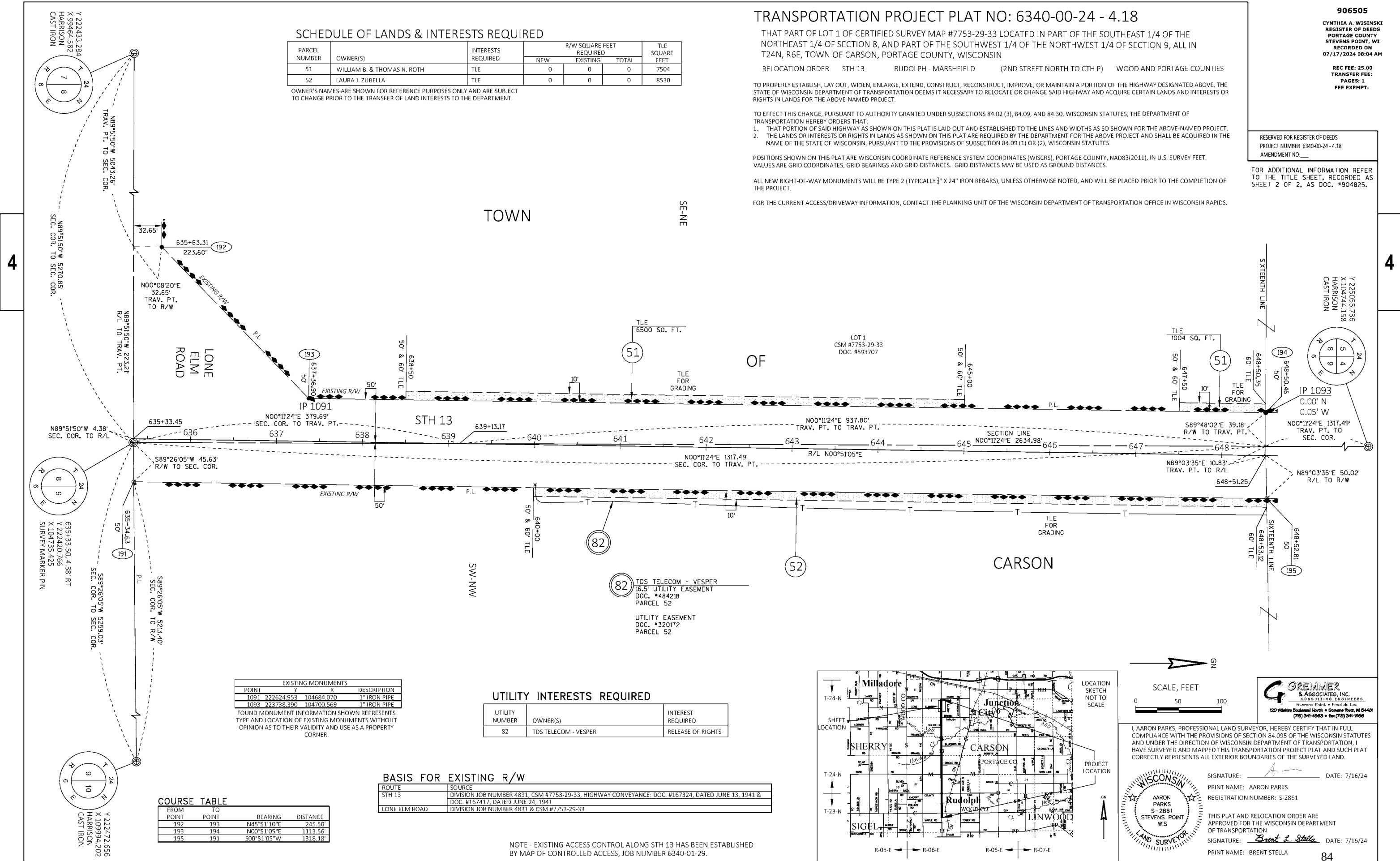
906505

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
07/17/2024 08:04 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.18
AMENDMENT NO. _____

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. *904825.



EXISTING MONUMENTS			
POINT	Y	X	DESCRIPTION
1091	222624.953	104684.070	1" IRON PIPE
1093	223738.390	104700.569	1" IRON PIPE

FOUND MONUMENT INFORMATION SHOWN REPRESENTS TYPE AND LOCATION OF EXISTING MONUMENTS WITHOUT OPINION AS TO THEIR VALIDITY AND USE AS A PROPERTY CORNER.

COURSE TABLE

FROM POINT	TO POINT	BEARING	DISTANCE
192	193	N45°51'10"E	245.50'
193	194	N00°51'05"E	1113.56'
195	191	S00°51'05"W	1318.18'

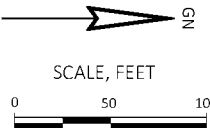
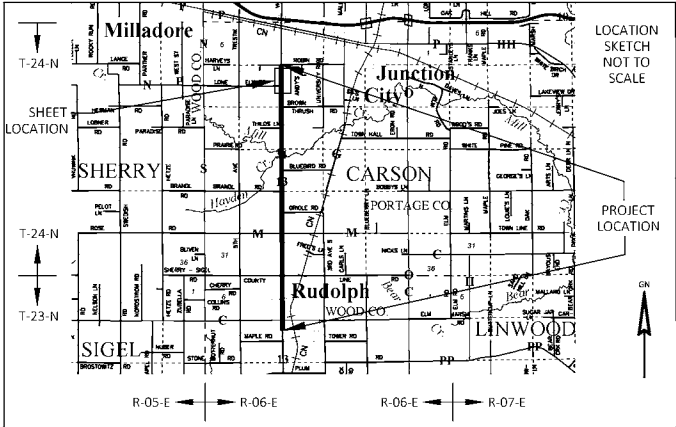
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
82	TDS TELECOM - VESPER	RELEASE OF RIGHTS

BASIS FOR EXISTING R/W

ROUTE	SOURCE
STH 13	DIVISION JOB NUMBER 4831, CSM #7753-29-33, HIGHWAY CONVEYANCE: DOC. #167324, DATED JUNE 13, 1941 & DOC. #167417, DATED JUNE 24, 1941
LONE ELM ROAD	DIVISION JOB NUMBER 4831 & CSM #7753-29-33

NOTE - EXISTING ACCESS CONTROL ALONG STH 13 HAS BEEN ESTABLISHED BY MAP OF CONTROLLED ACCESS, JOB NUMBER 6340-01-29.



G. GREMMER & ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
120 Main Street North • Stevens Point, WI 54481
(715) 341-4963 • Fax: (715) 341-1556

I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.



SIGNATURE: _____ DATE: 7/16/24
PRINT NAME: AARON PARKS
REGISTRATION NUMBER: S-2861

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION
SIGNATURE: *Brent L. Stella* DATE: 7/16/24
PRINT NAME: BRENT STELLA

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTERESTS REQUIRED	R/W SQUARE FEET REQUIRED			TLE SQUARE FEET
			NEW	EXISTING	TOTAL	
51	WILLIAM B. & THOMAS N. ROTH	TLE	0	0	0	6044
52	LAURA J. ZUBELLA	TLE	0	0	0	11215
53	RONALD M. SKRZECZKOSKI	TLE	0	0	0	2952

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

TRANSPORTATION PROJECT PLAT NO: 6340-00-24 - 4.19

THAT PART OF LOT 1 OF CERTIFIED SURVEY MAP #7753-29-33 AND LOT 1 AND LOT 2 OF CERTIFIED SURVEY MAP #8763-35-143, LOCATED IN PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 8, AND PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 9, ALL IN T24N, R6E, TOWN OF CARSON, PORTAGE COUNTY, WISCONSIN

RELOCATION ORDER STH 13 RUDOLPH - MARSHFIELD (2ND STREET NORTH TO CTH P) WOOD AND PORTAGE COUNTIES

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE-NAMED PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTIONS 84.02 (3), 84.09, AND 84.30, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

- THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE-NAMED PROJECT.
- THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SUBSECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

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FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WISCONSIN RAPIDS.

906506

CYNTHIA A. WISINSKI
REGISTER OF DEEDS
PORTAGE COUNTY
STEVENS POINT, WI
RECORDED ON
07/17/2024 08:06 AM

REC FEE: 25.00
TRANSFER FEE:
PAGES: 1
FEE EXEMPT:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6340-00-24 - 4.19
AMENDMENT NO.:

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED AS SHEET 2 OF 2, AS DOC. *904825.

TOWN

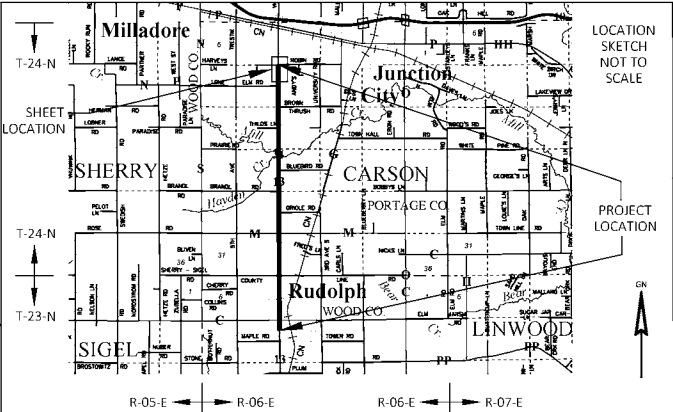
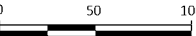
NE-NE

OF

STH 13

CARSON

SCALE, FEET



I, AARON PARKS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF WISCONSIN DEPARTMENT OF TRANSPORTATION, I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: DATE: 7/16/24

PRINT NAME: AARON PARKS

REGISTRATION NUMBER: S-2861

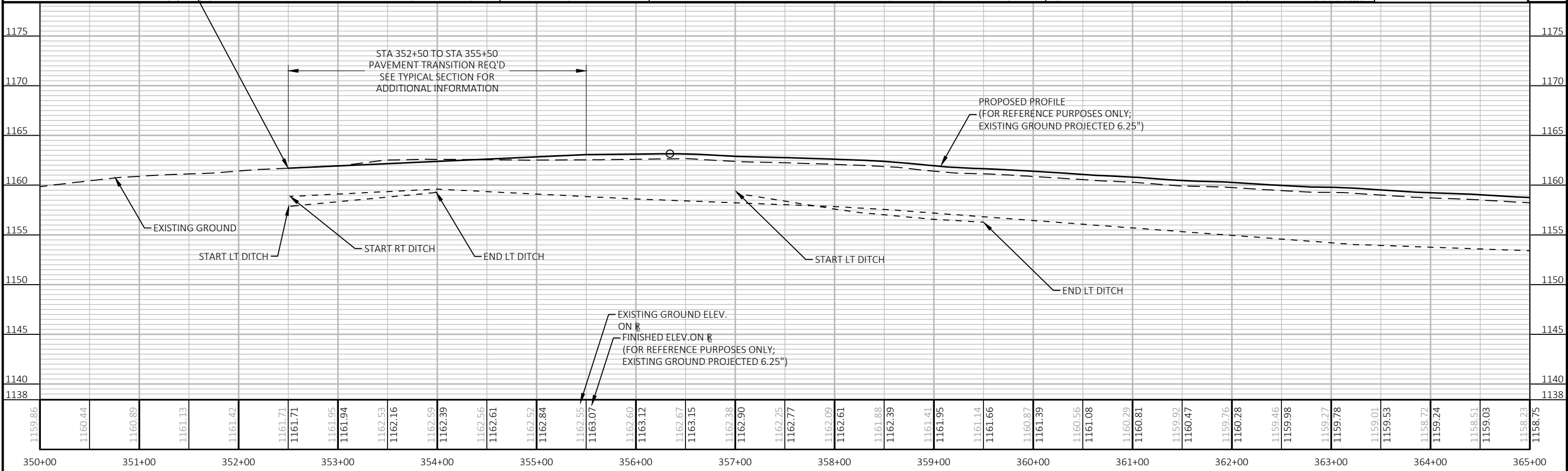
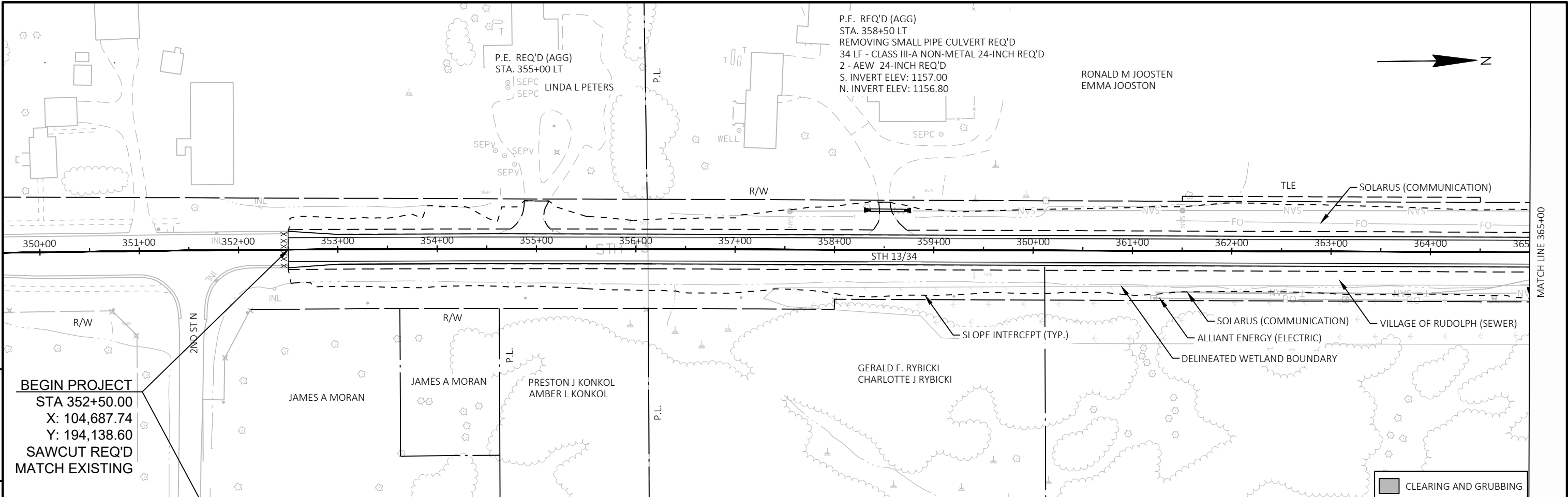
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION

SIGNATURE: DATE: 7/16/24

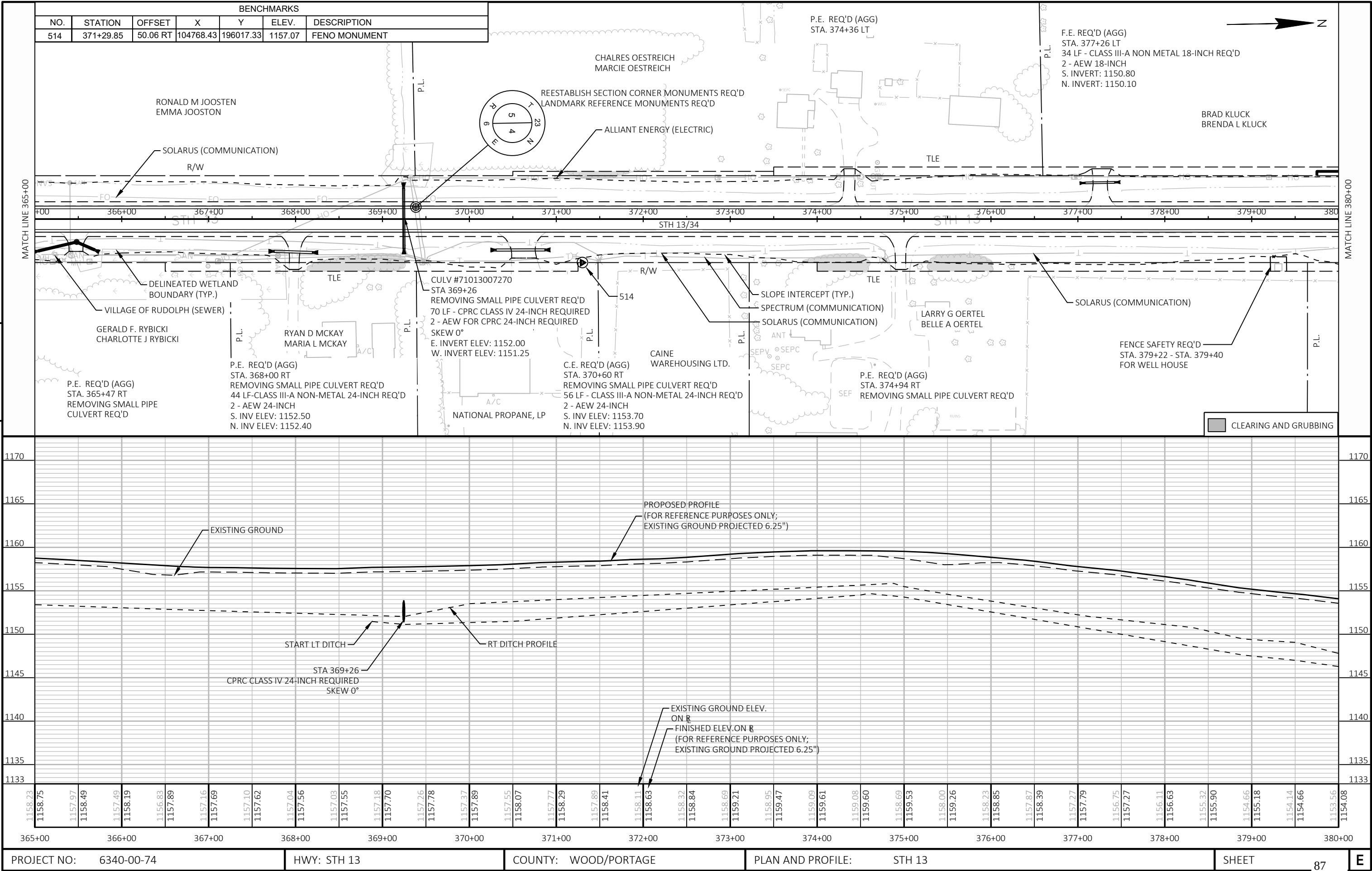
PRINT NAME: BRENT STELLA

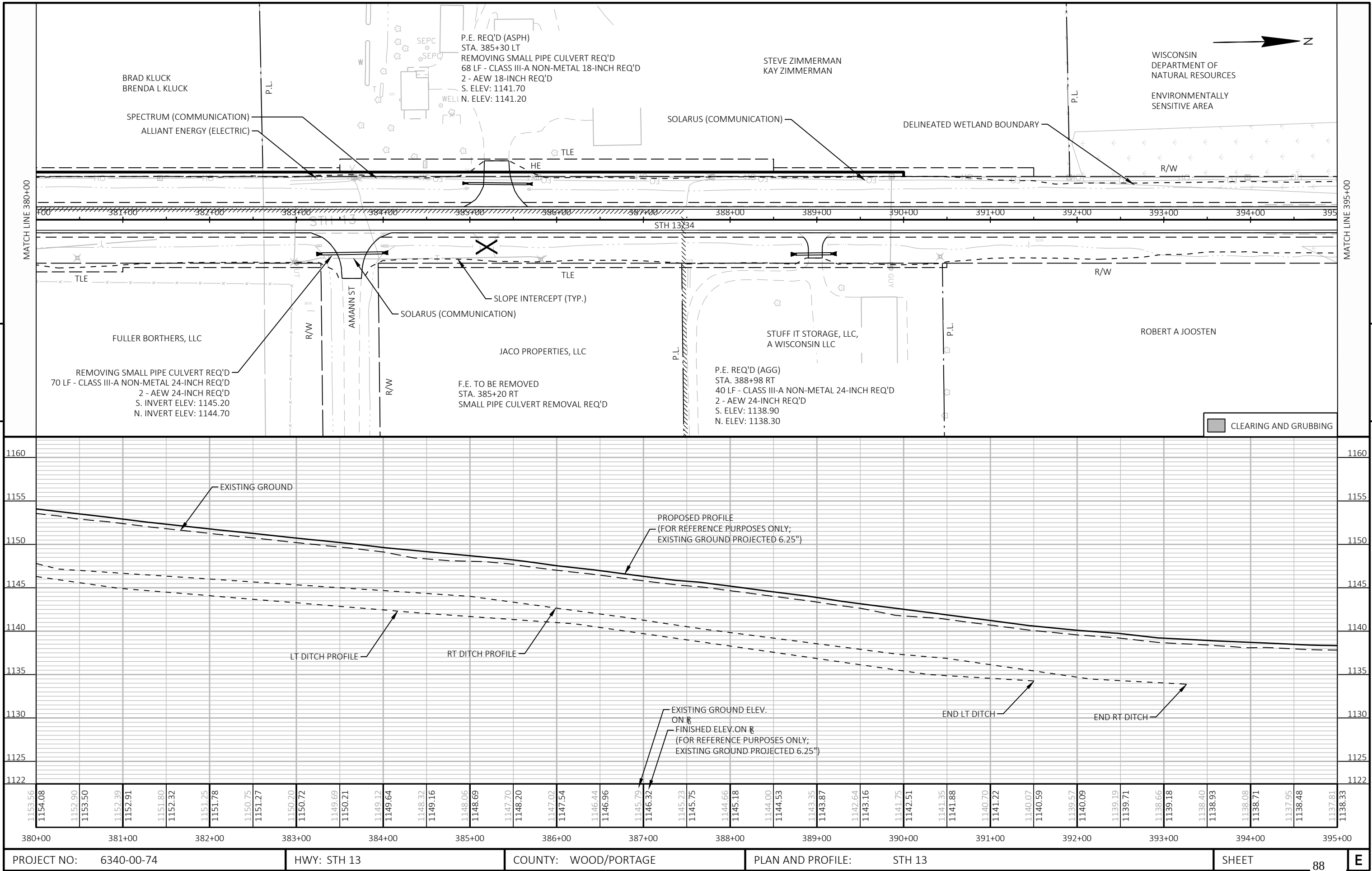
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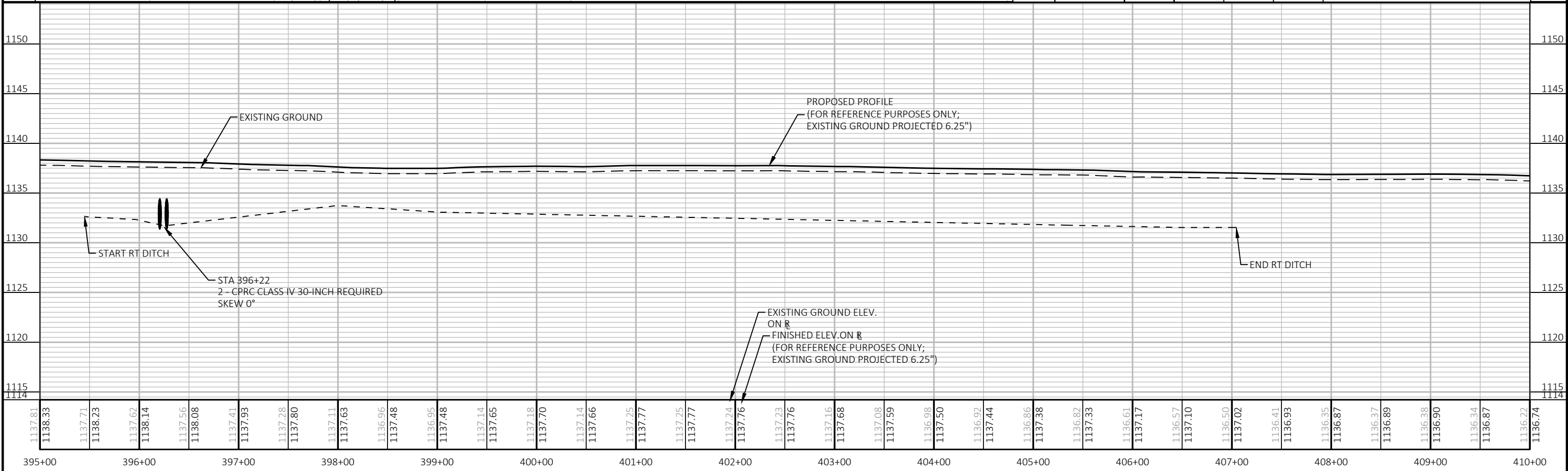
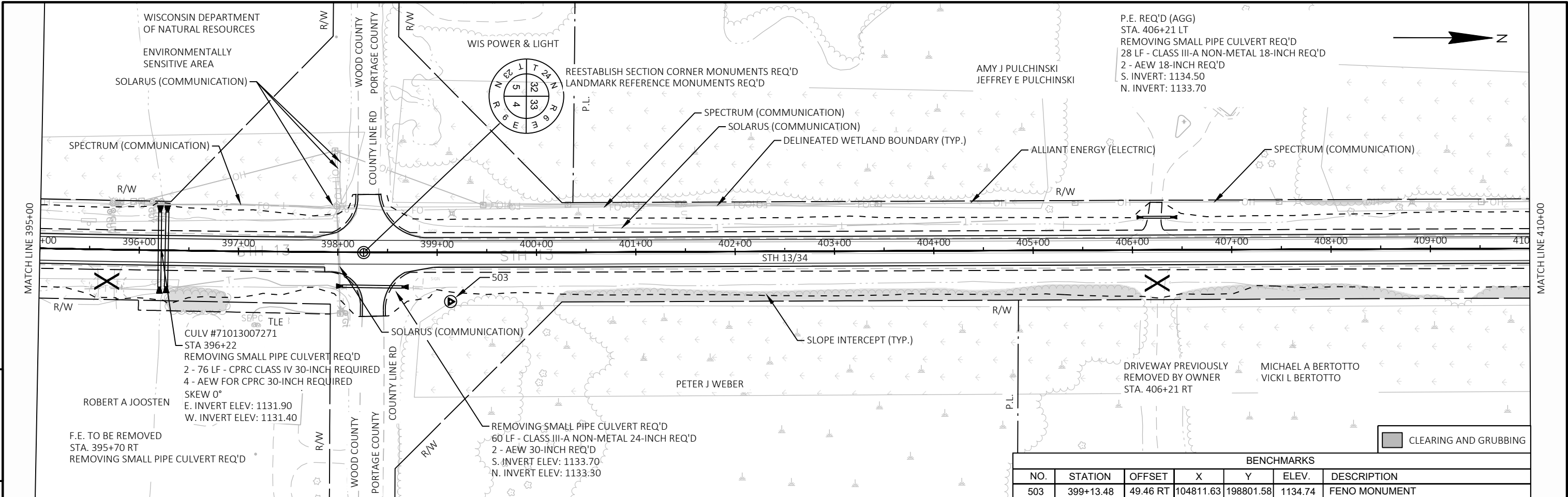
6340-00-24 - 4.19

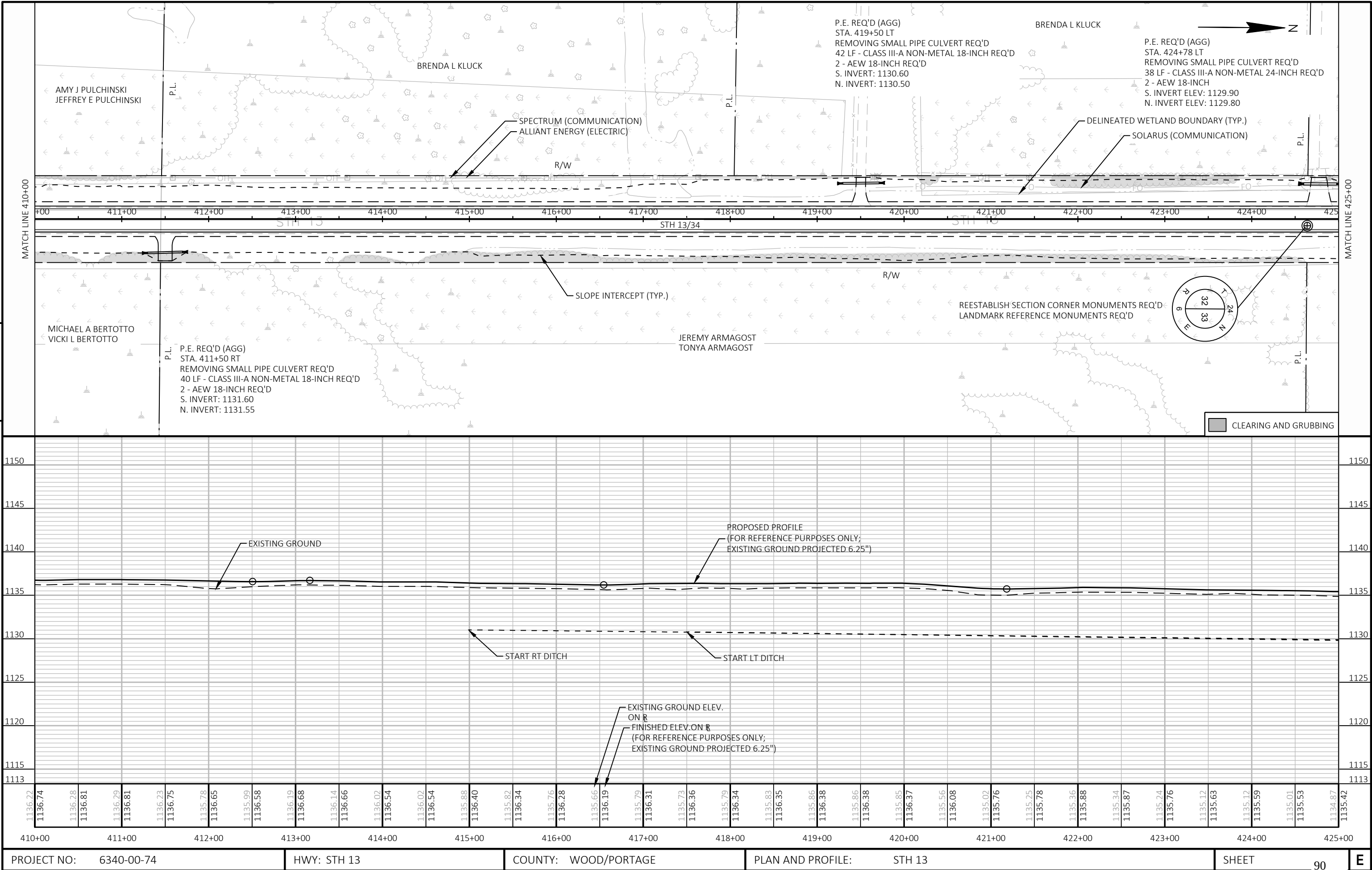


PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	PLAN AND PROFILE: STH 13	SHEET 86	E
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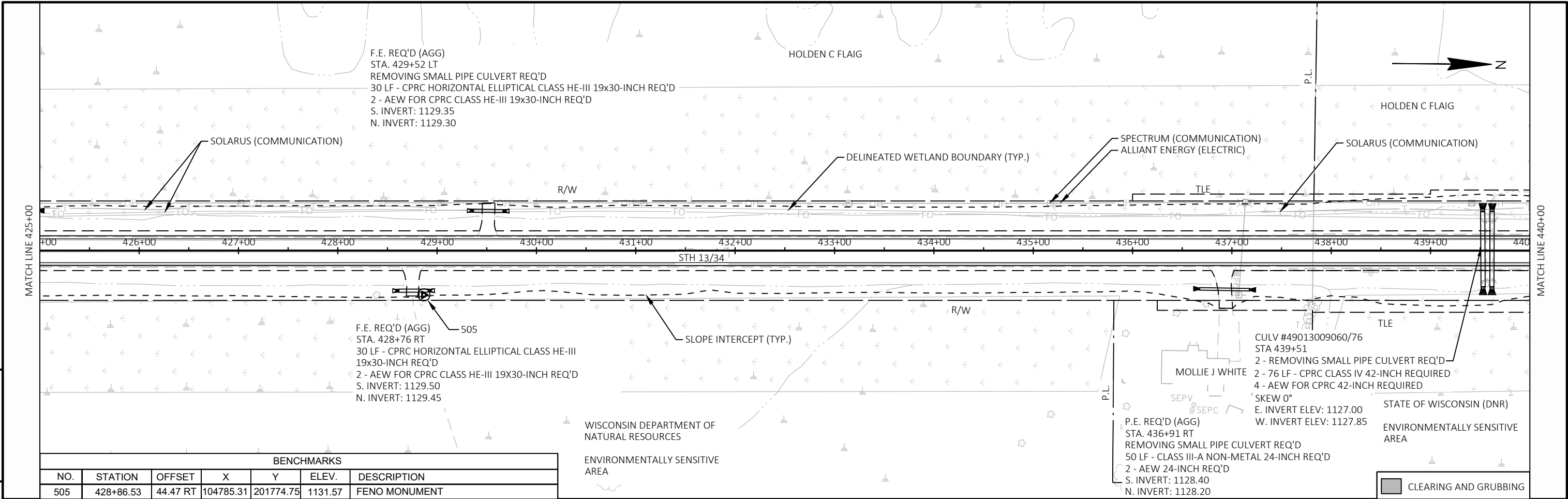




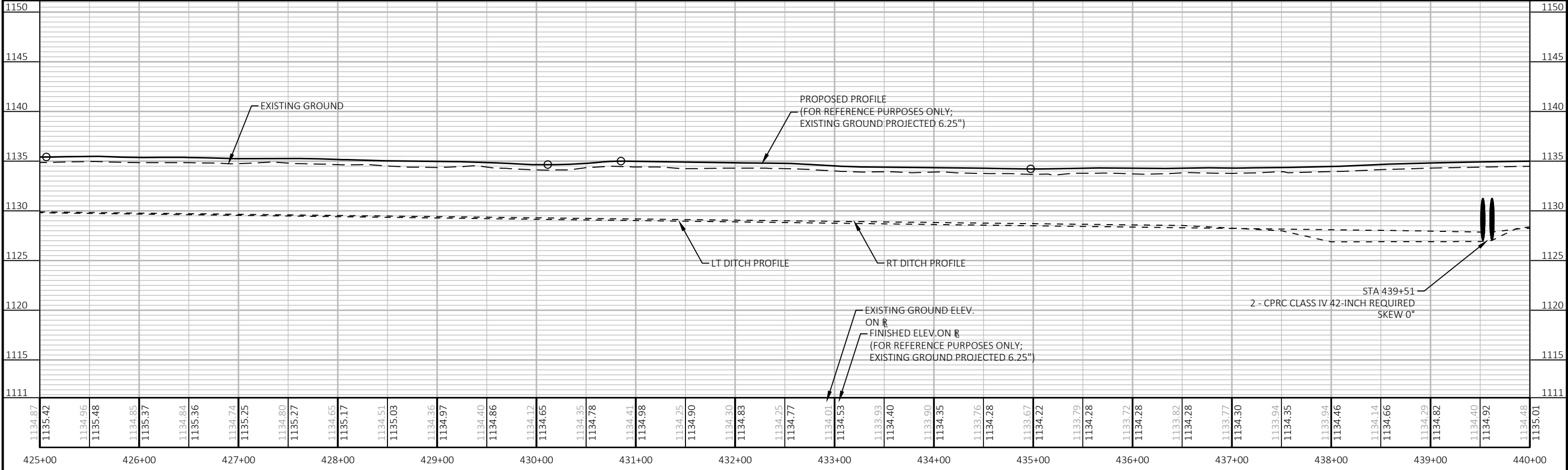




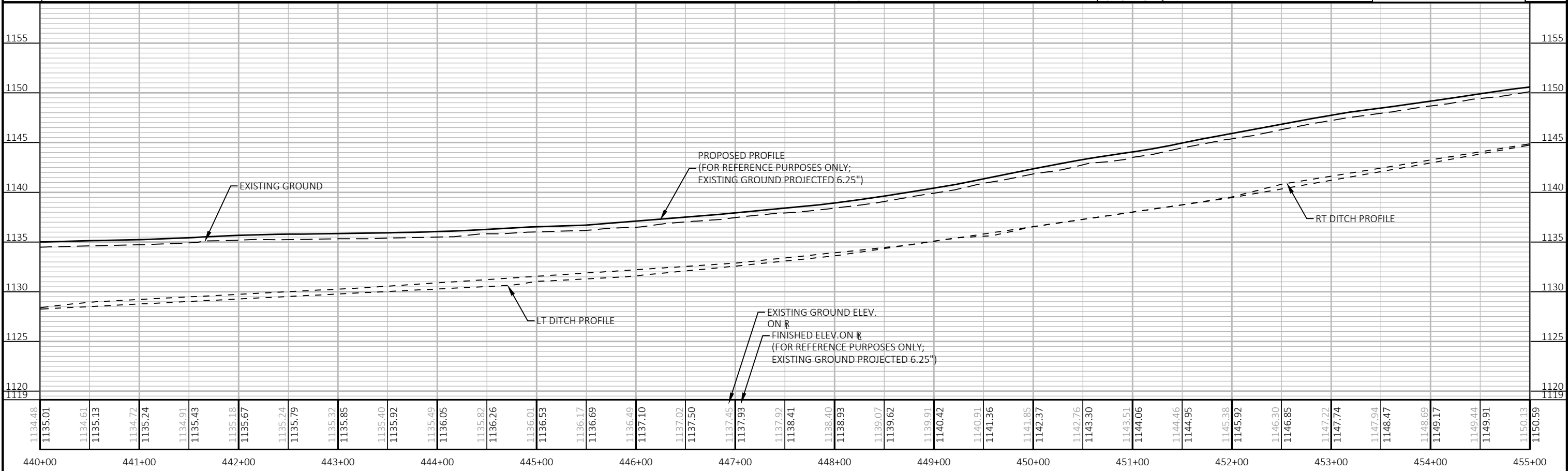
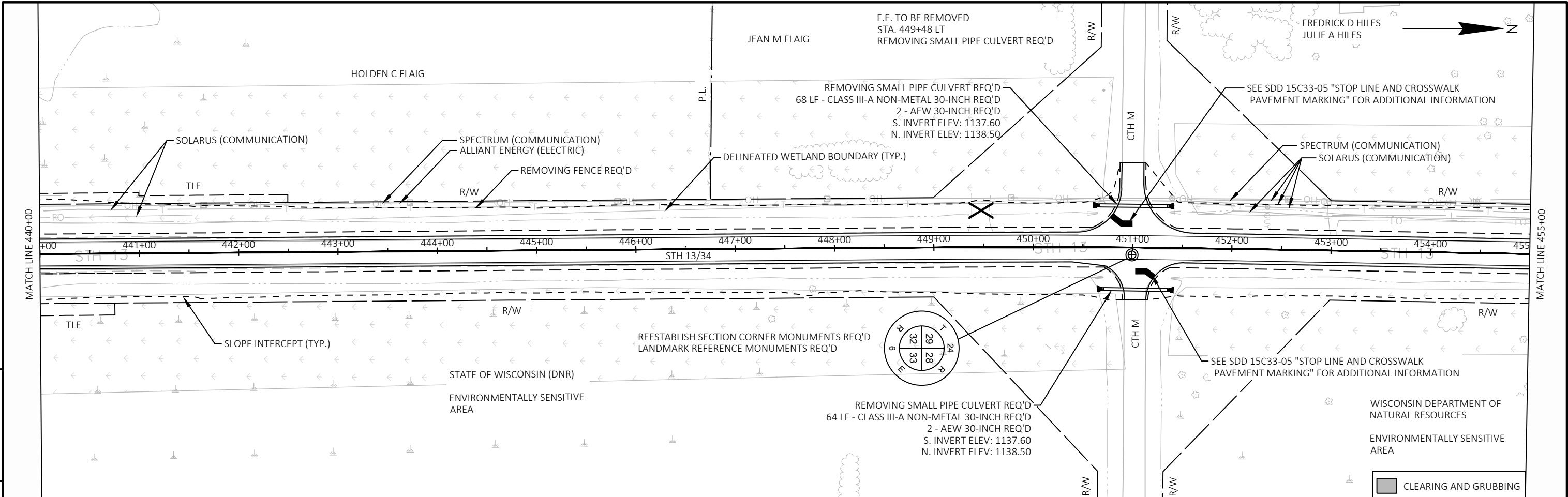
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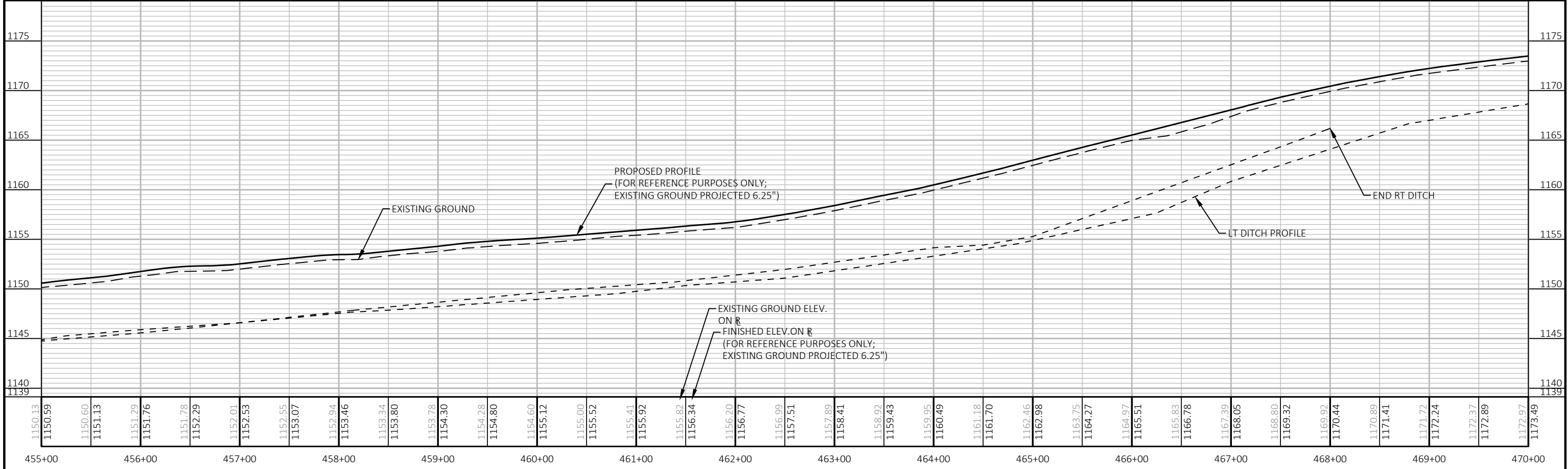
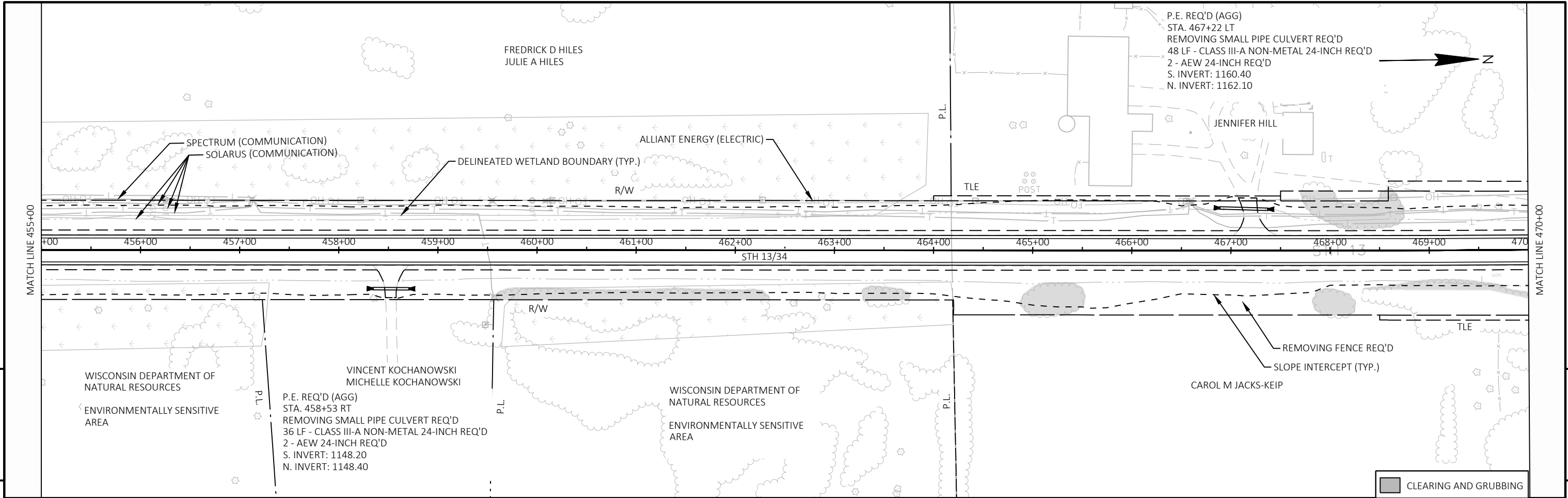
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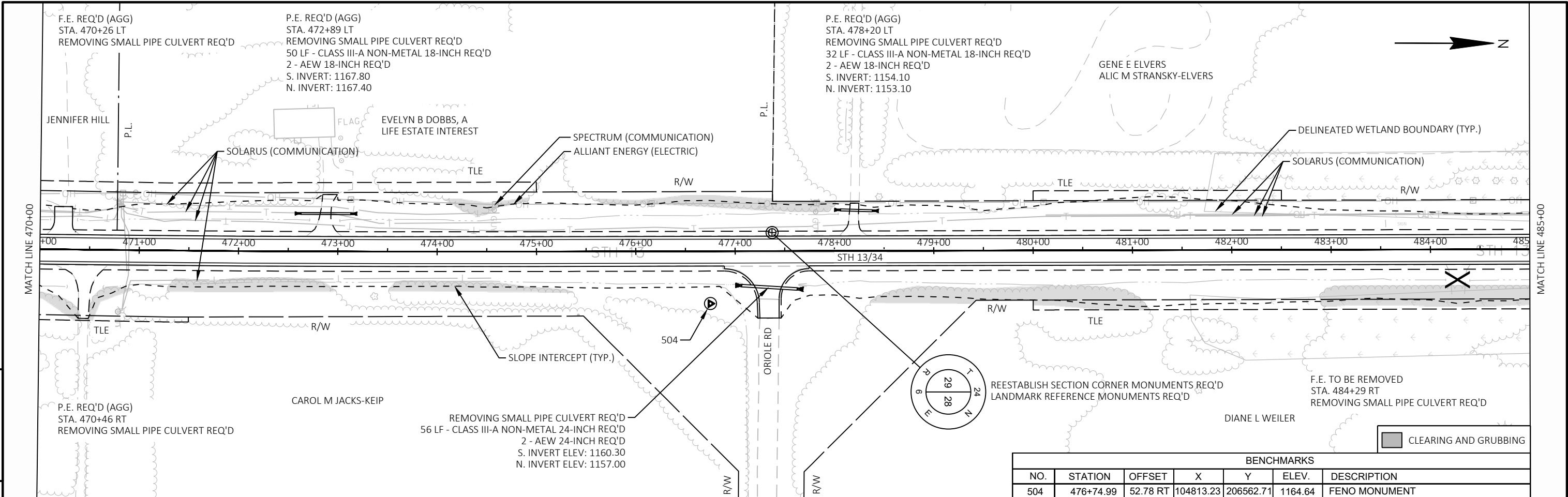
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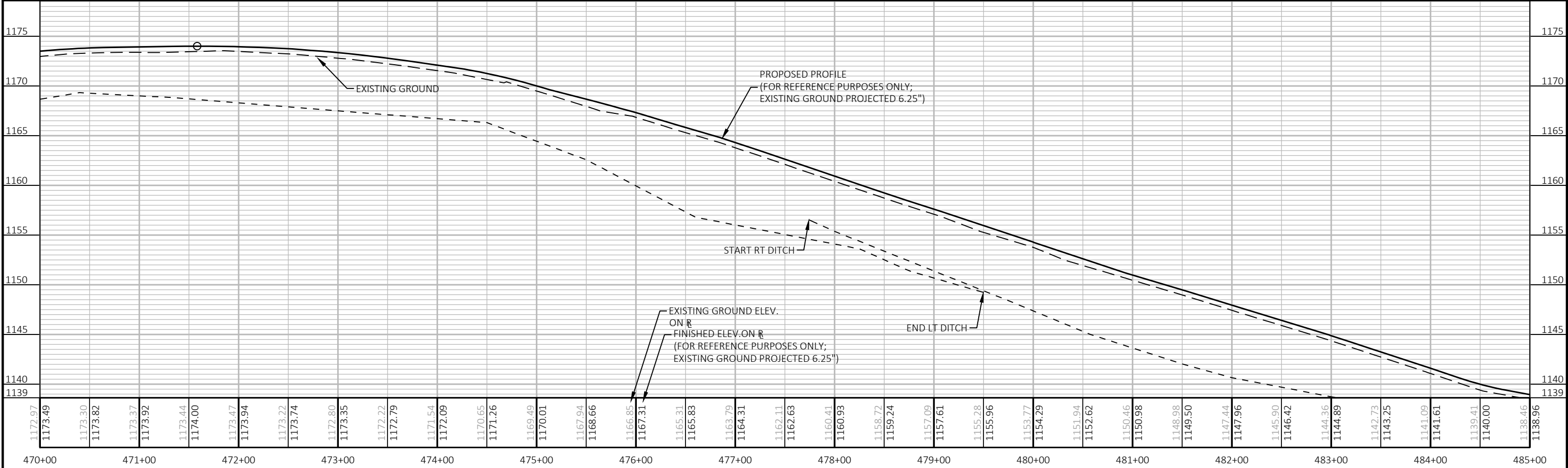
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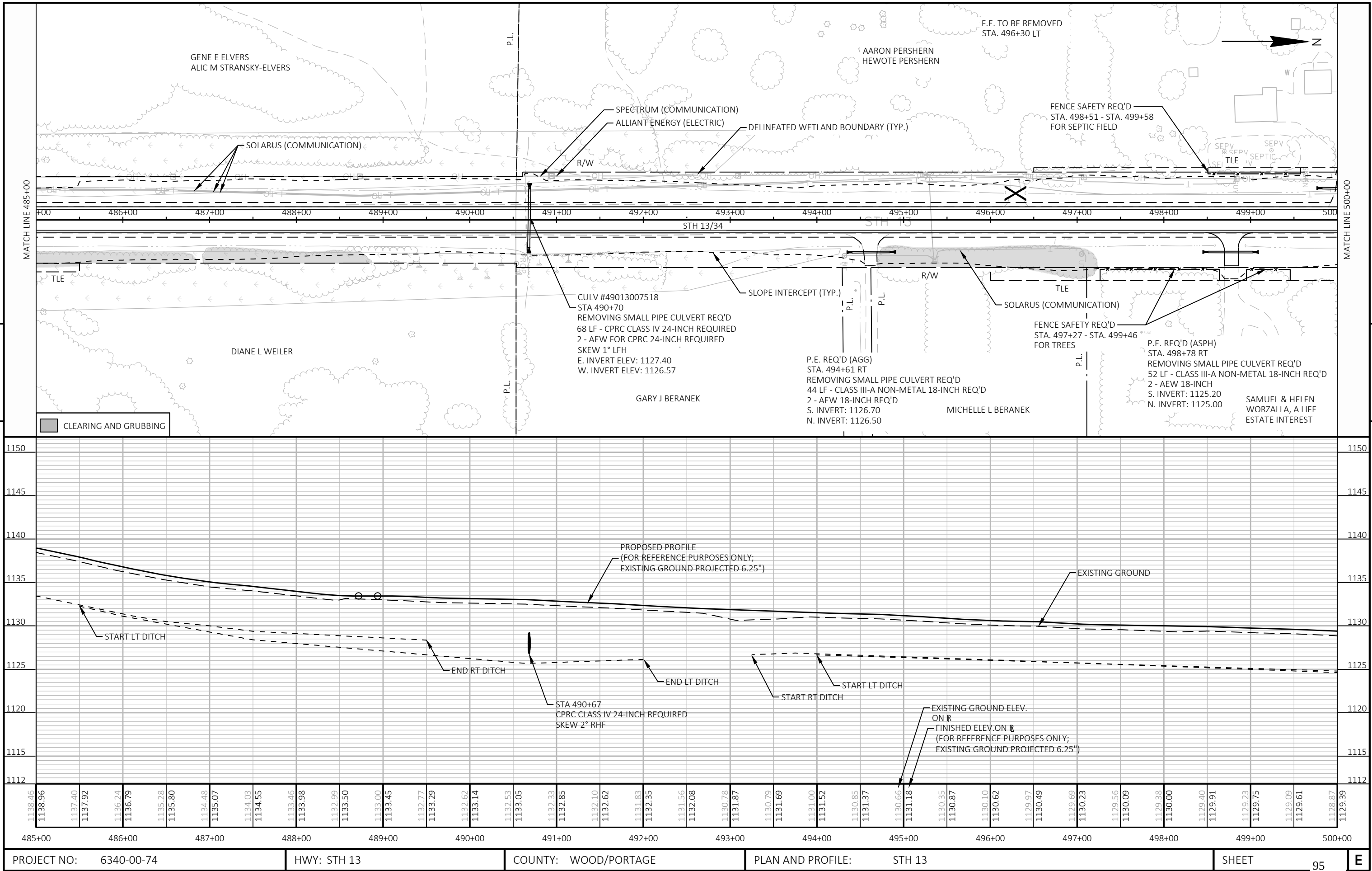


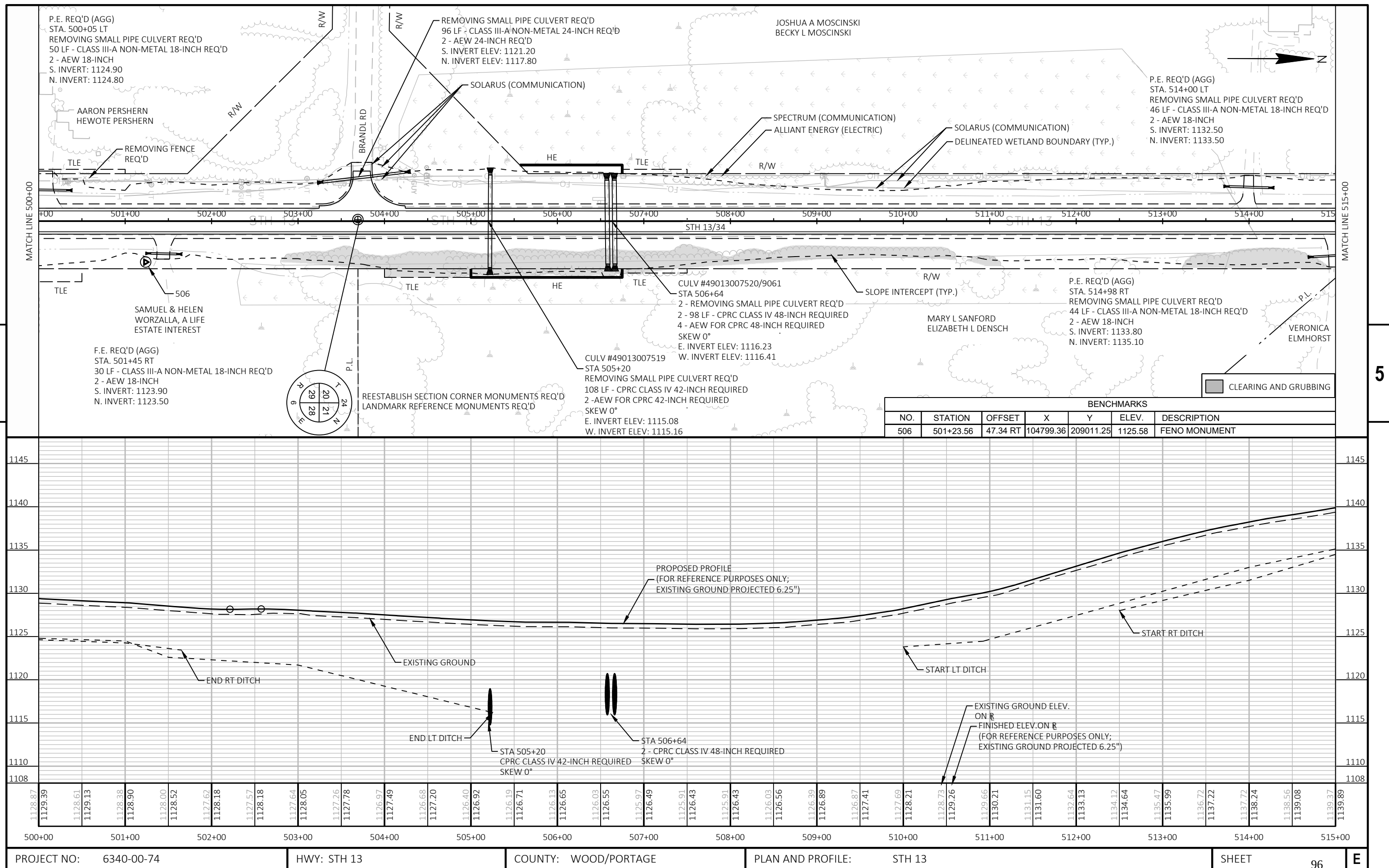
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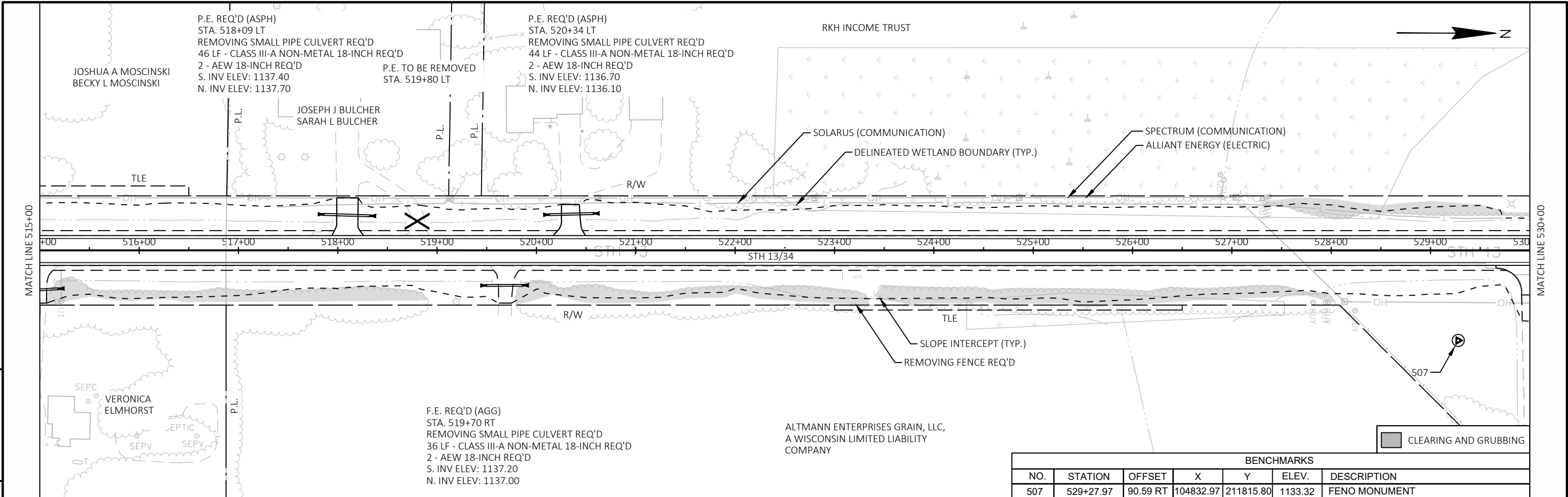


BENCHMARKS						
NO.	STATION	OFFSET	X	Y	ELEV.	DESCRIPTION
504	476+74.99	52.78 RT	104813.23	206562.71	1164.64	FENO MONUMENT

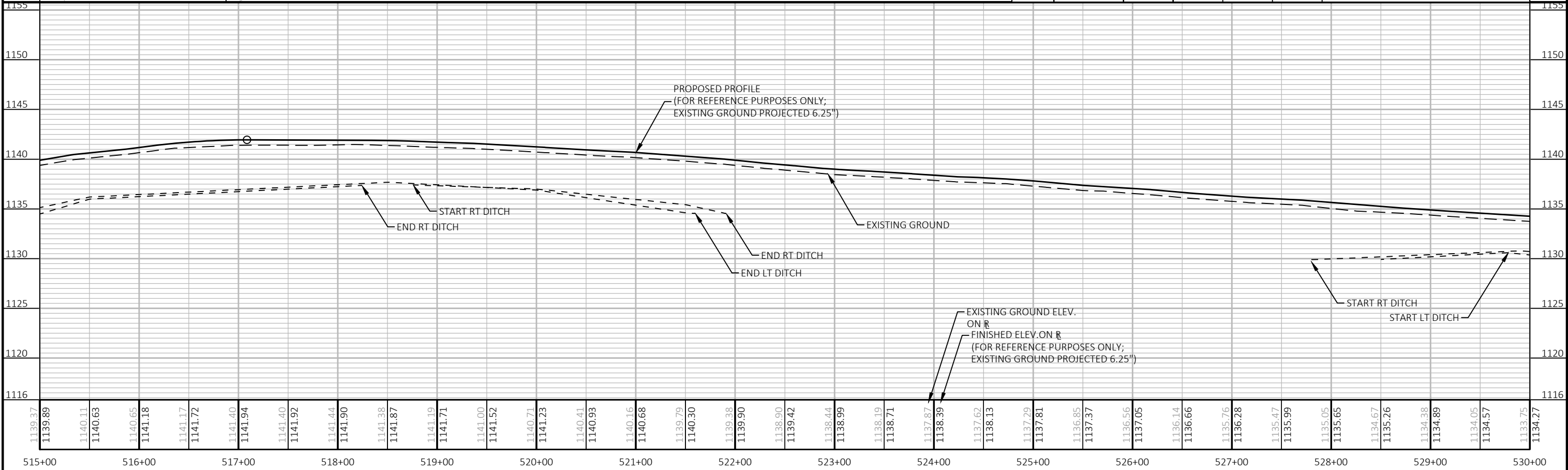




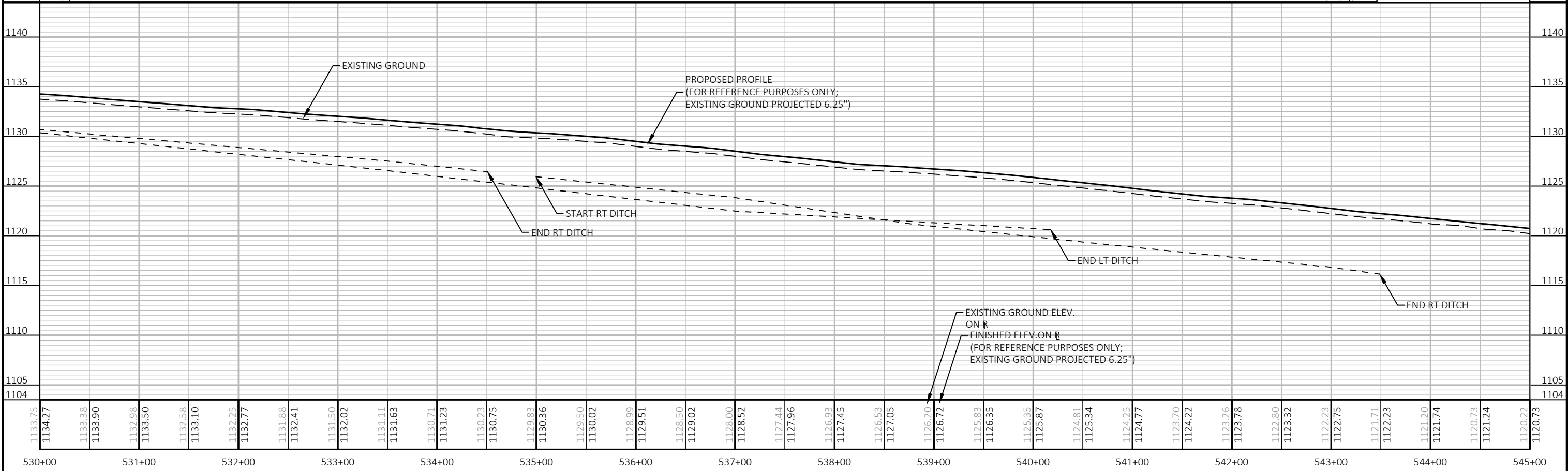
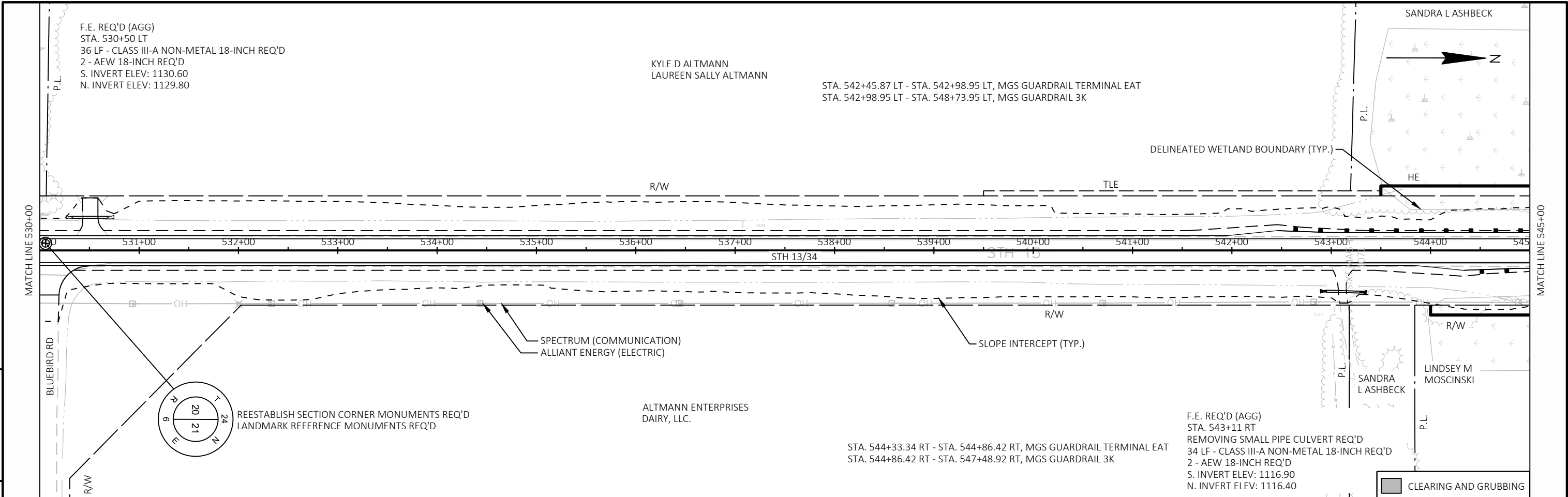




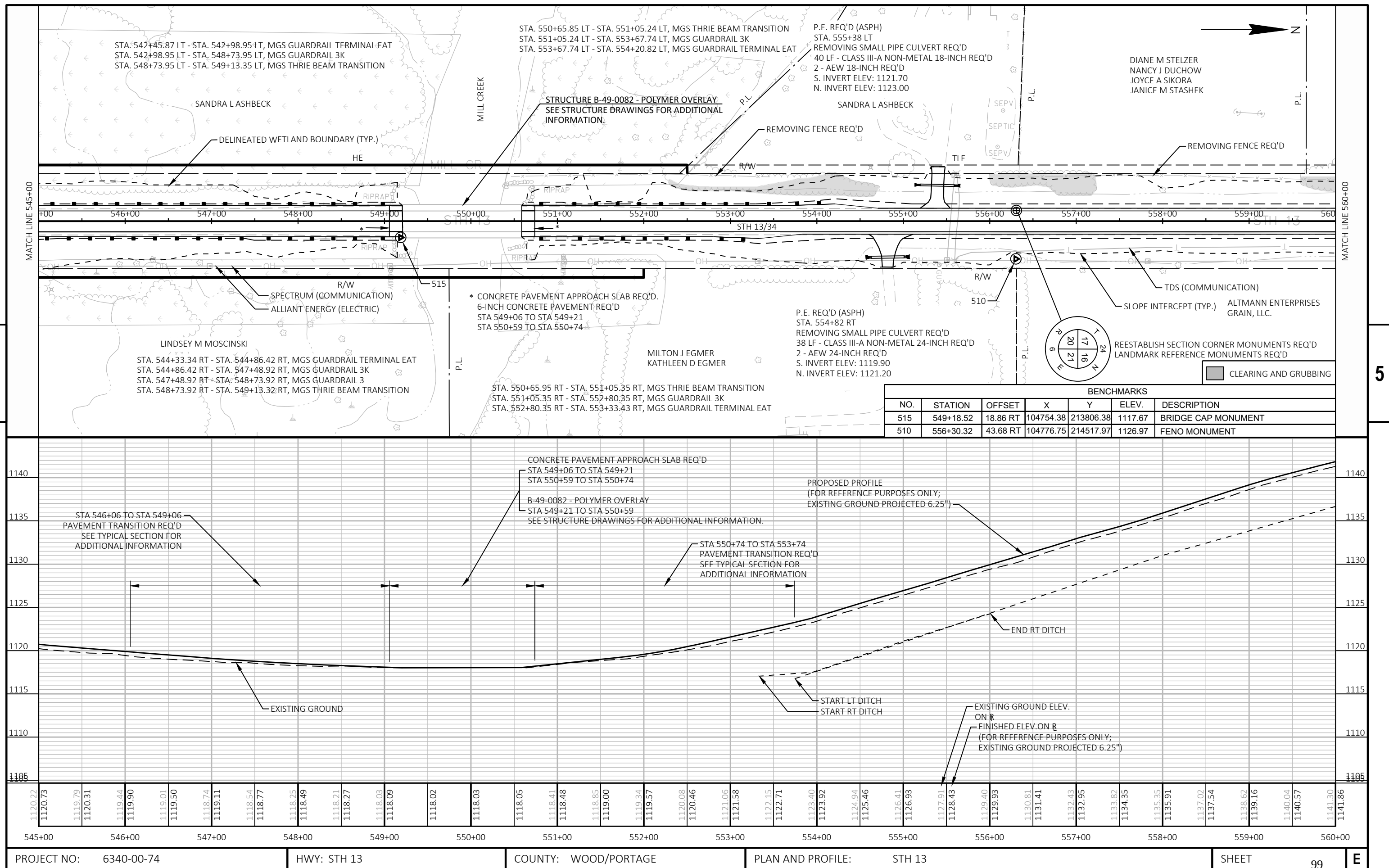
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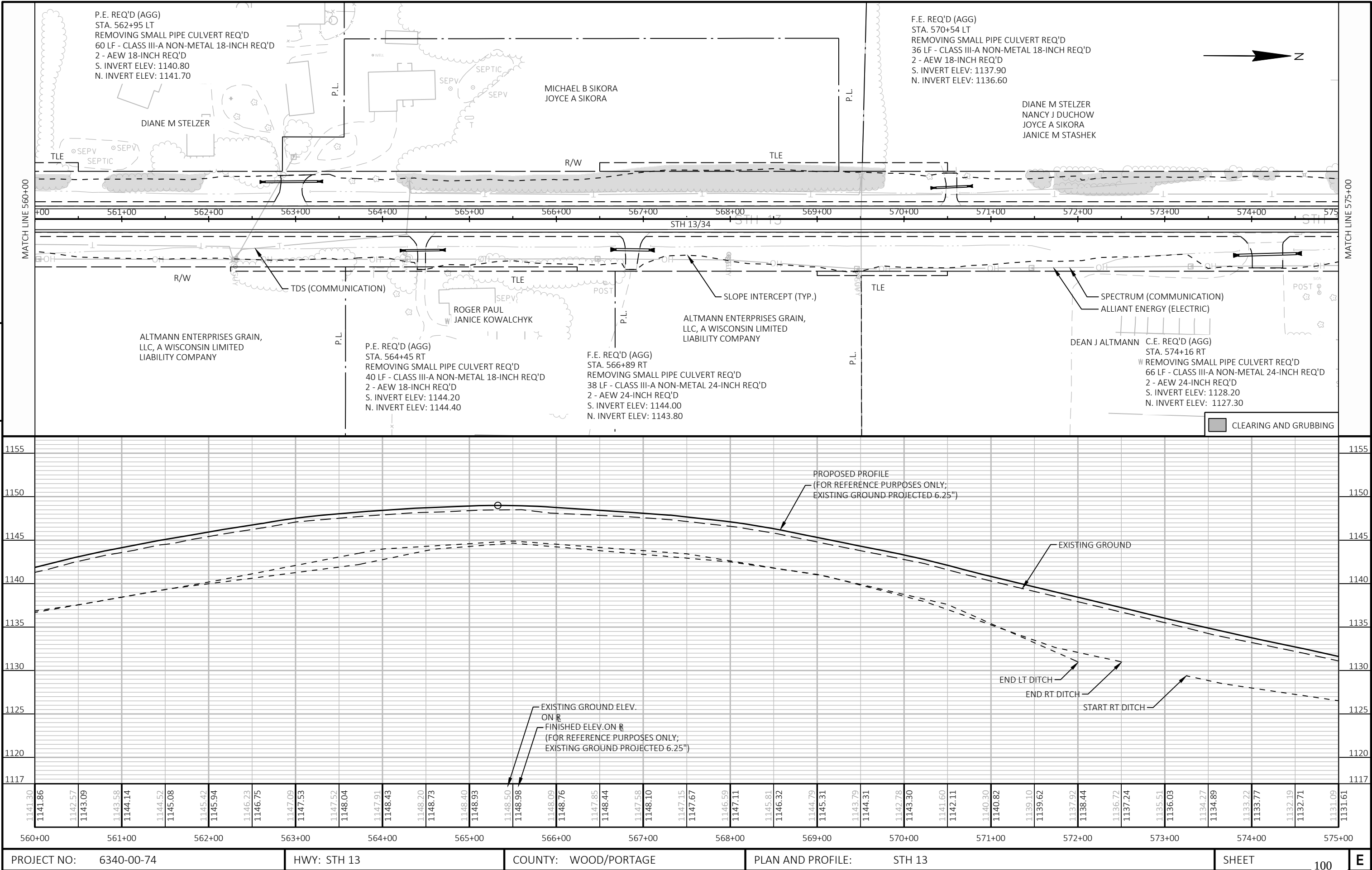


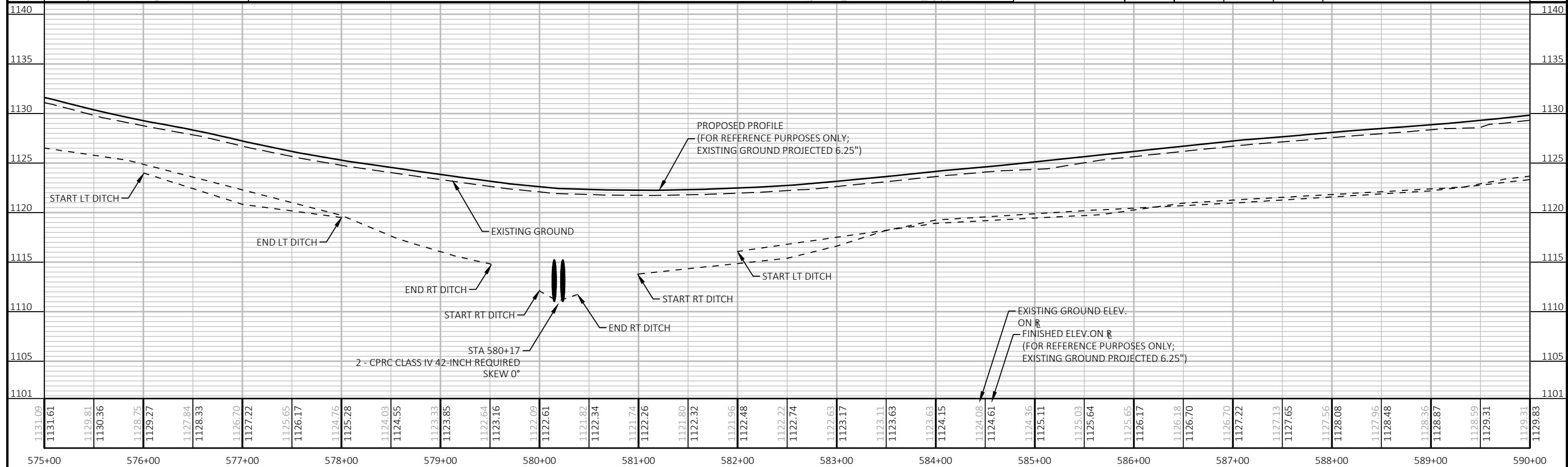
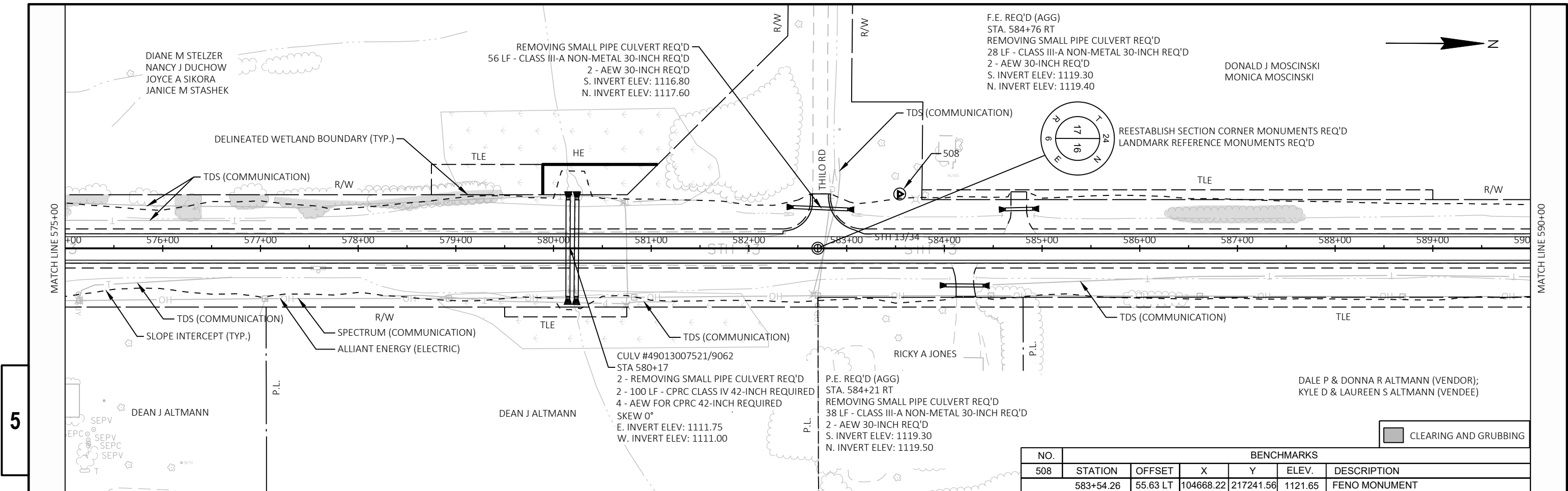
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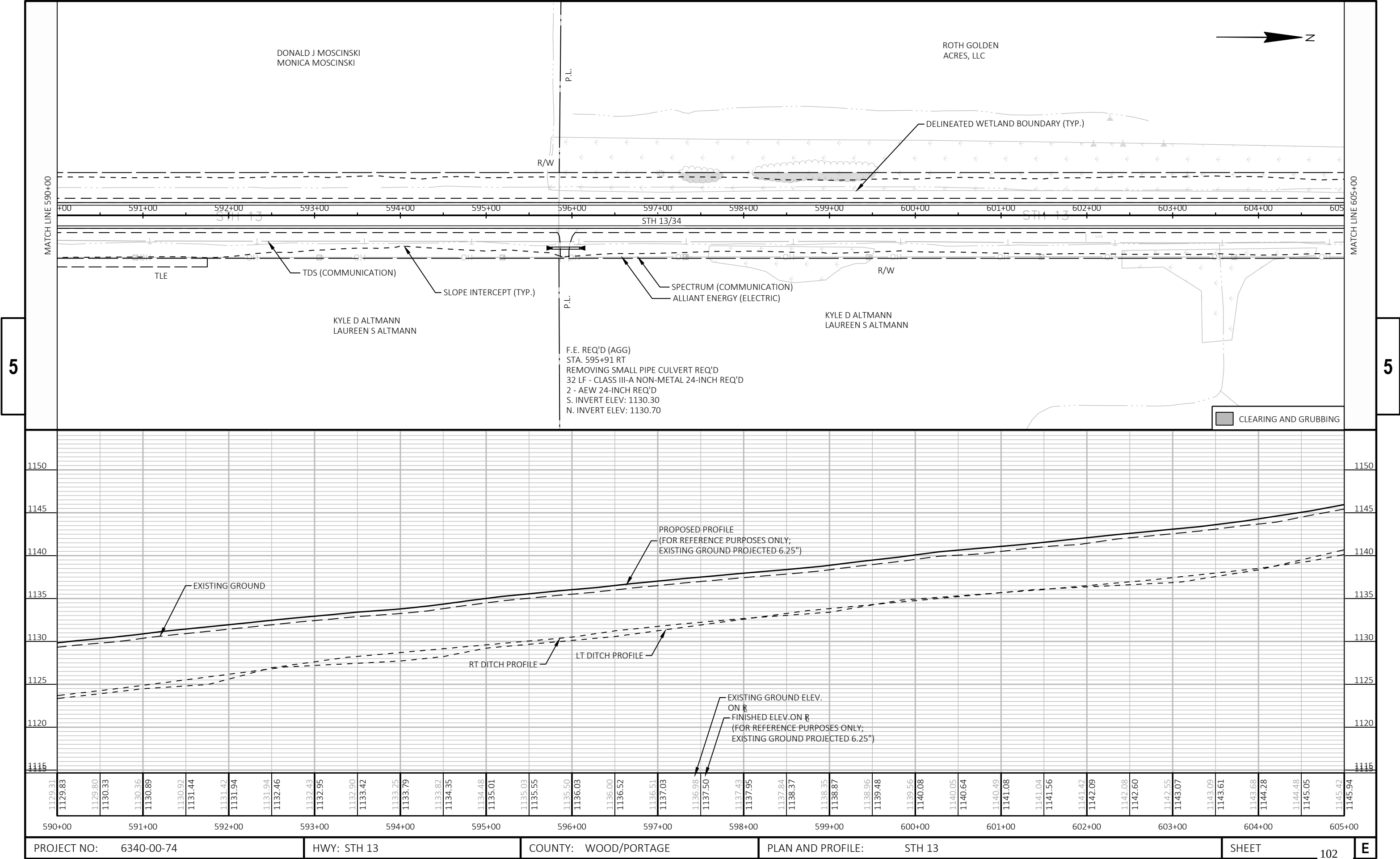


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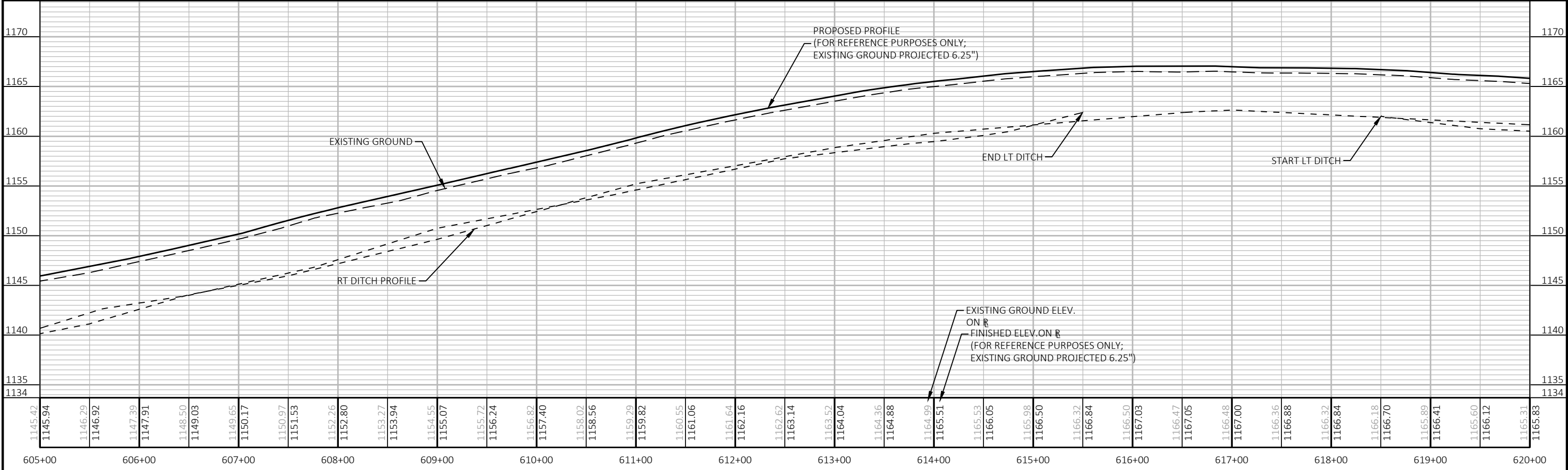
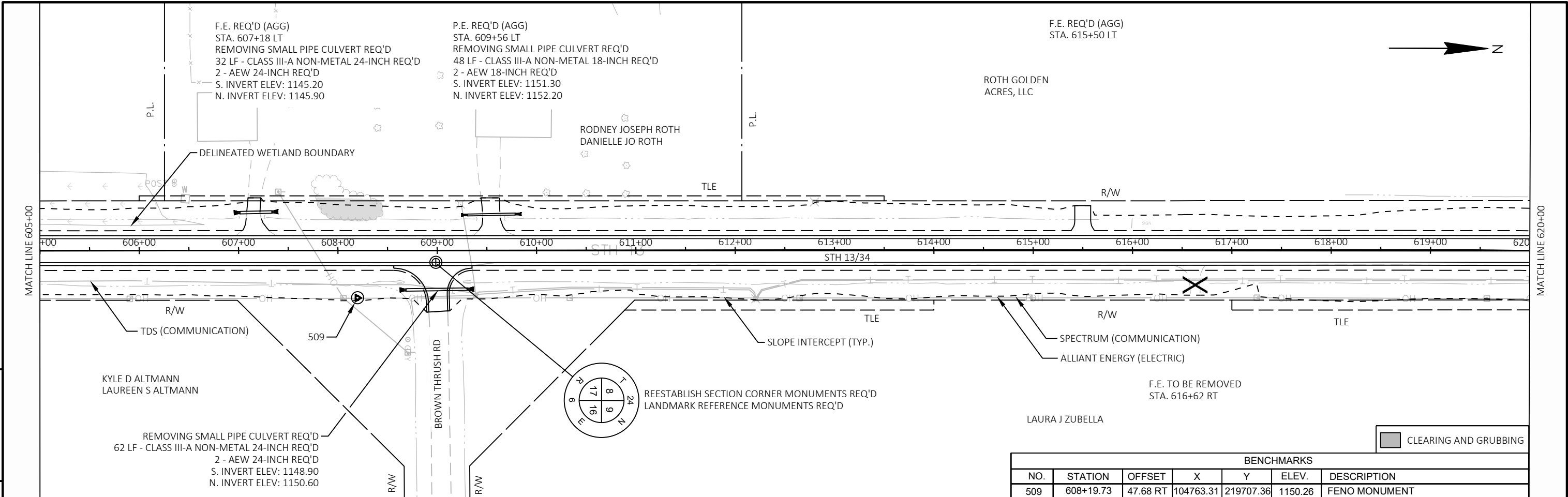


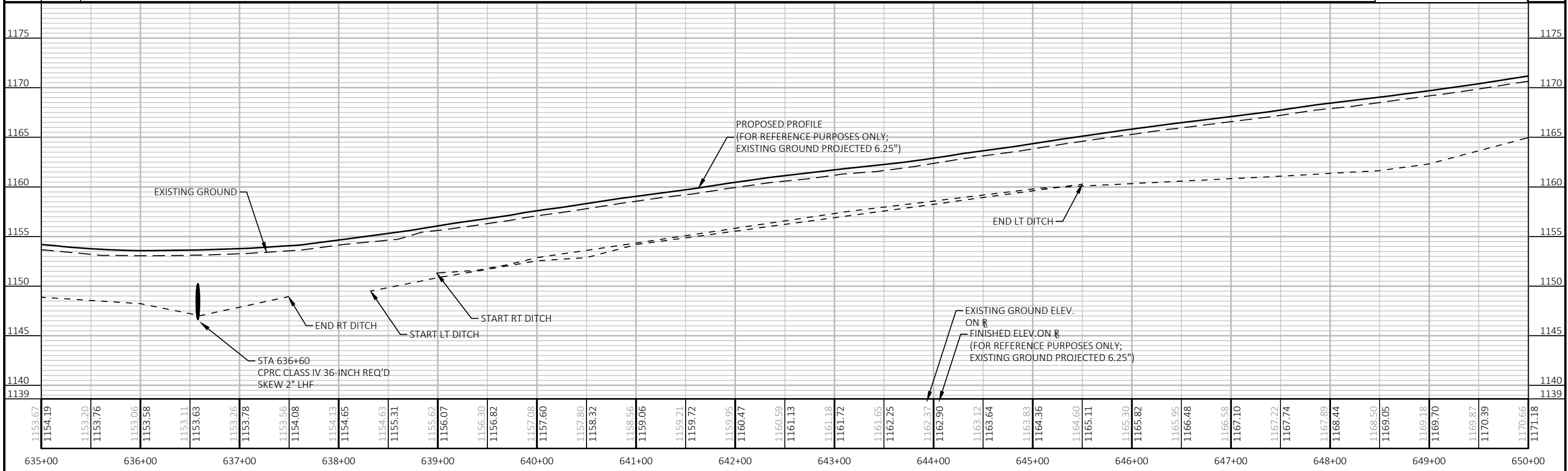
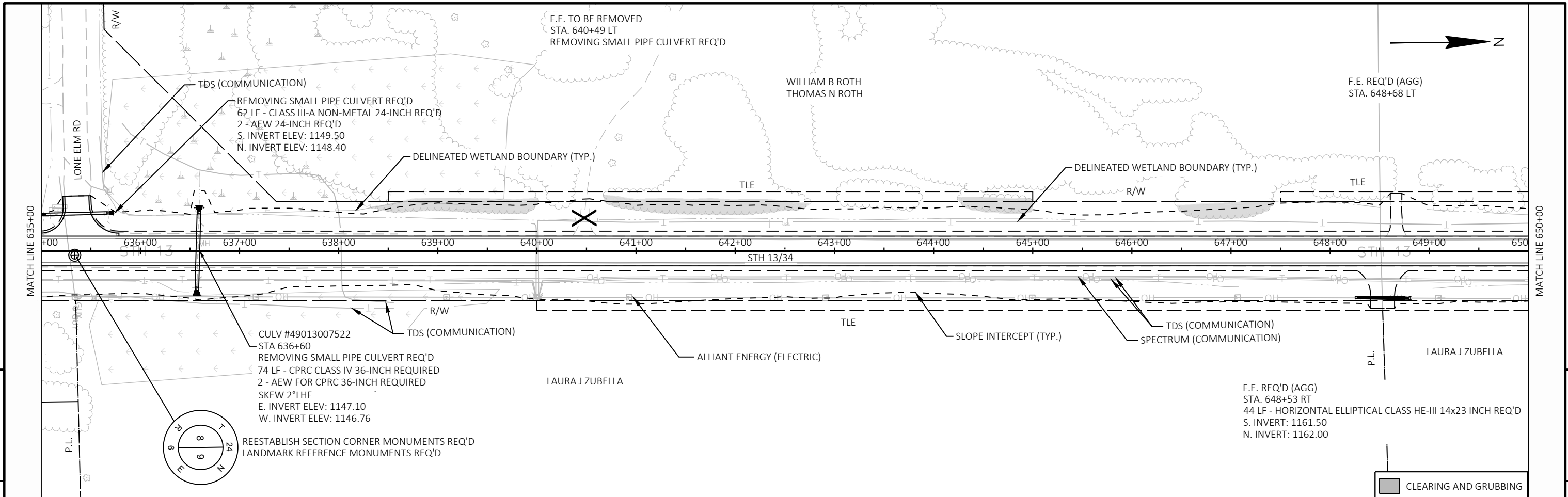




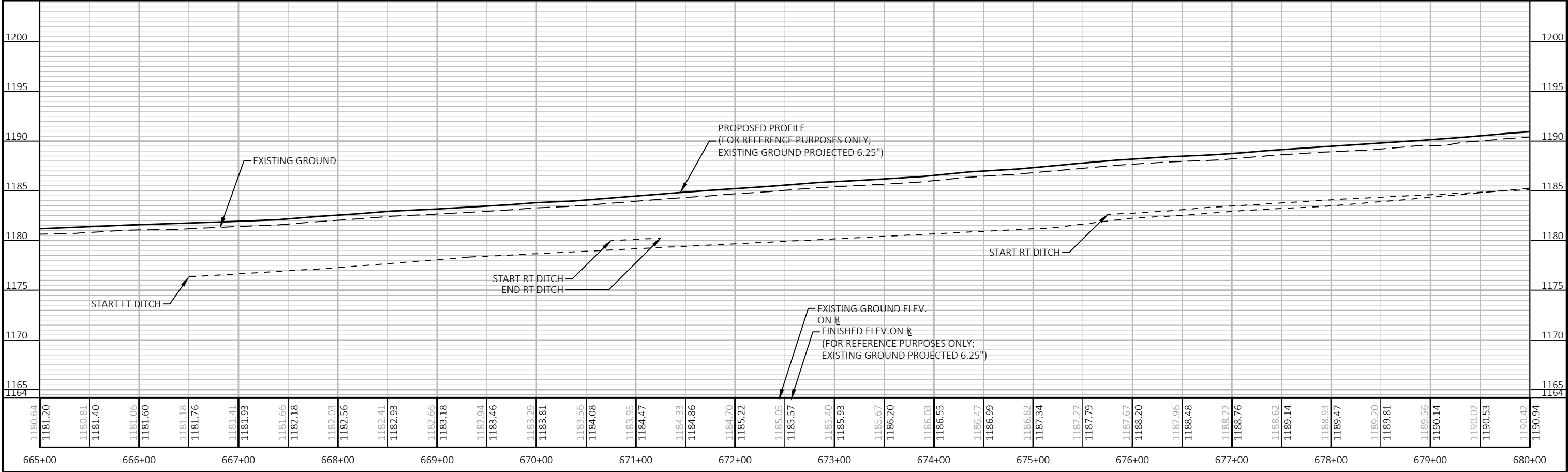
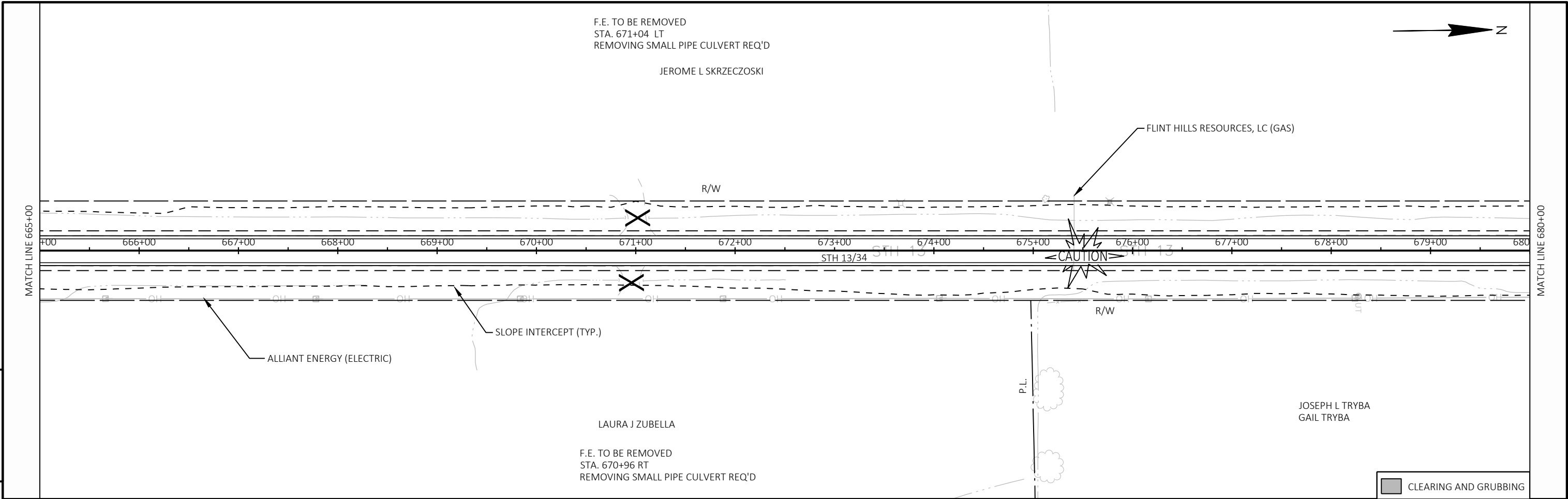


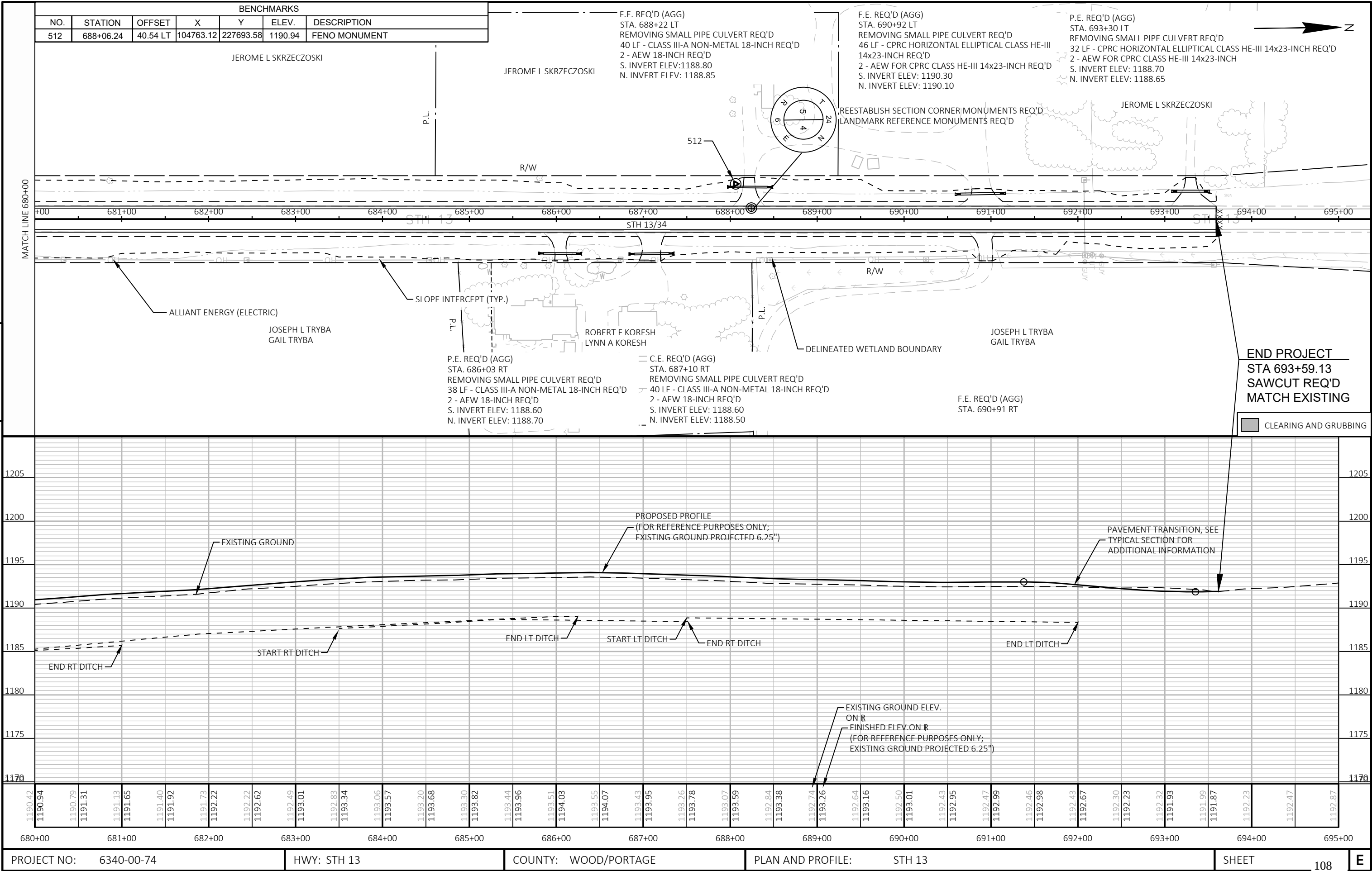
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PROJECT NO:	6340-00-74	HWY:	STH 13	COUNTY:	WOOD/PORTAGE	PLAN AND PROFILE:	STH 13	SHEET	105	E
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Standard Detail Drawing List

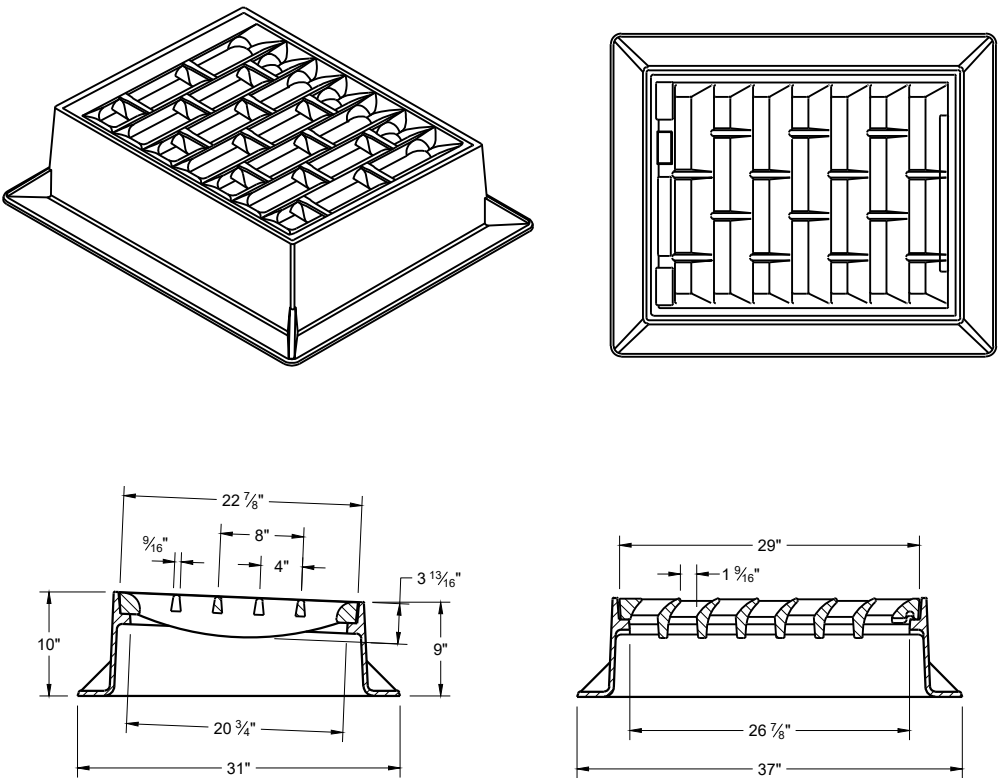
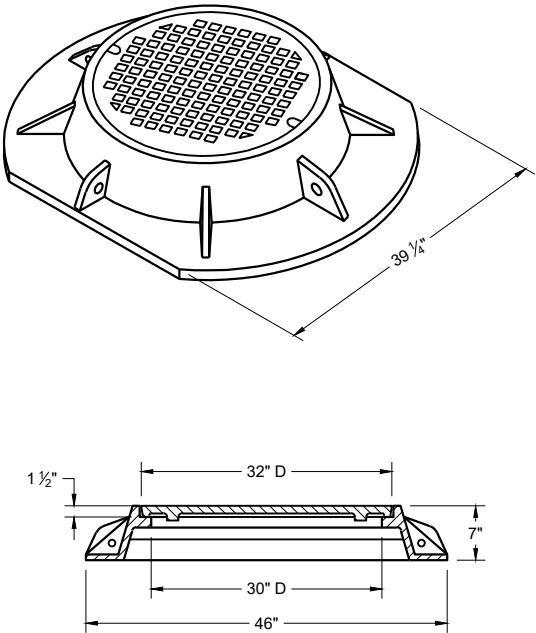
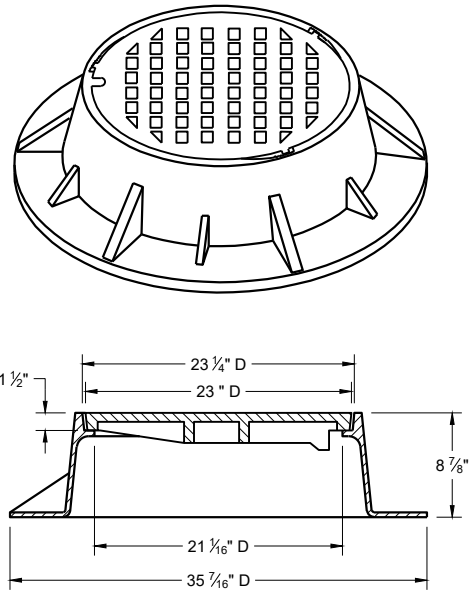
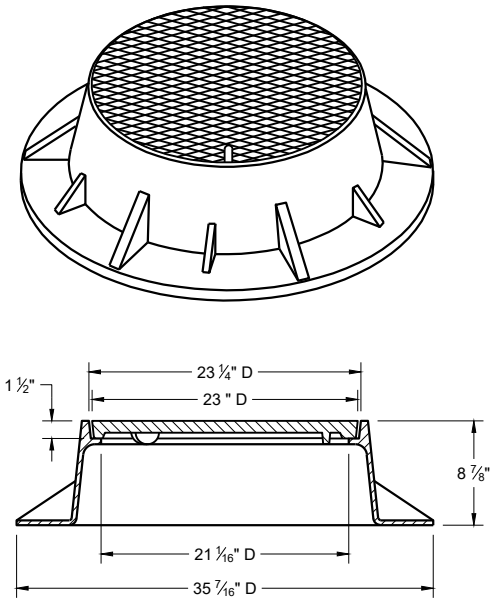
08A05-21E	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08B09-04	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT, 10-FT DIAMETER
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-08	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS
13A03-07	CONCRETE PAVEMENT SHOULDERS
13A11-04A	CENTERLINE RUMBLE STRIPS - ASPHALT
13A11-04D	CENTERLINE RUMBLE STRIPS - INTERSECTIONS, DRIVEWAYS, BRIDGES, RAILROADS
13B02-09A	CONCRETE PAVEMENT APPROACH SLAB
13C19-03	HMA LONGITUDINAL JOINTS
14B42-07A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-07D	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-04A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-04C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-05A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-05G	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-09A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-09B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-09C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C02-09H	MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C06-12	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15C33-05	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15D51-01	TRAFFIC CONTROL, MOBILE OPERATIONS ON AN UNDIVIDED ROADWAY

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.

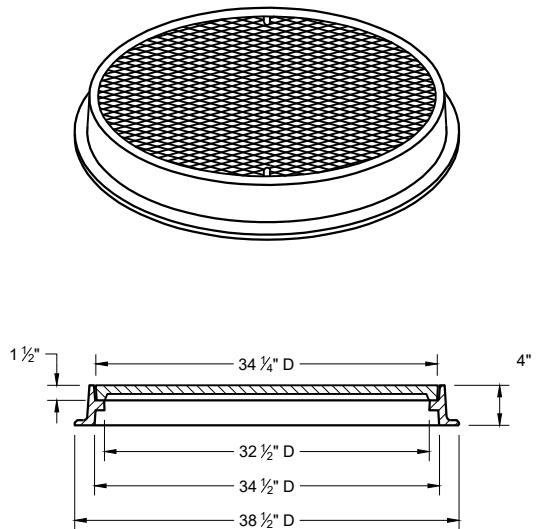
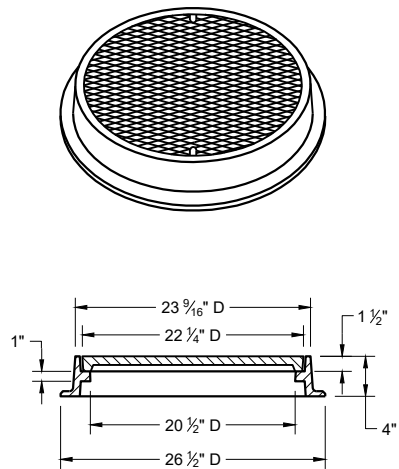
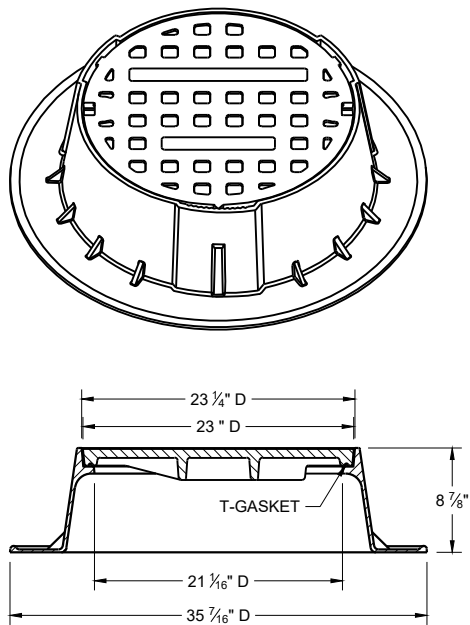
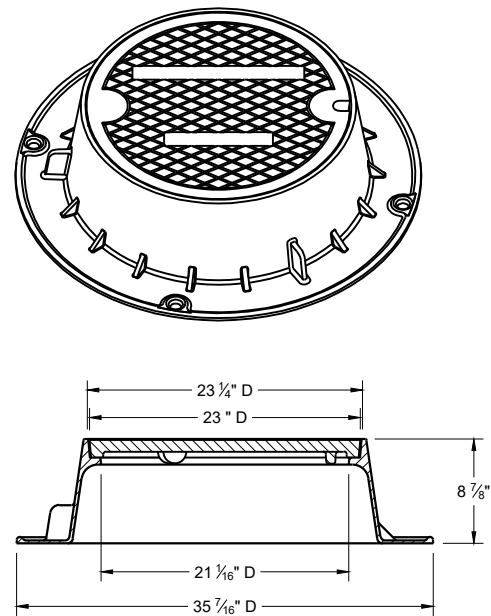
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



TYPE "K"

INLET COVER TYPE "BW"



TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

NOTE: EITHER CASTING IS ACCEPTABLE

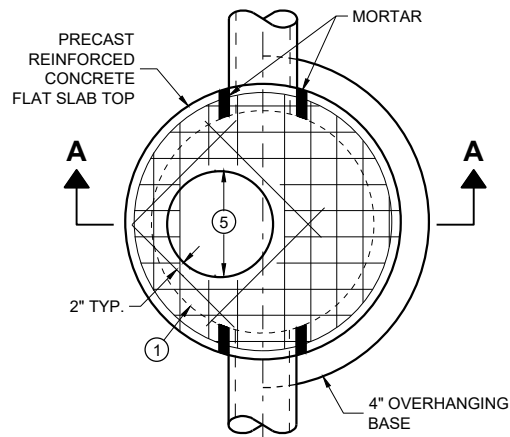
TYPE "L"

TYPE "M"

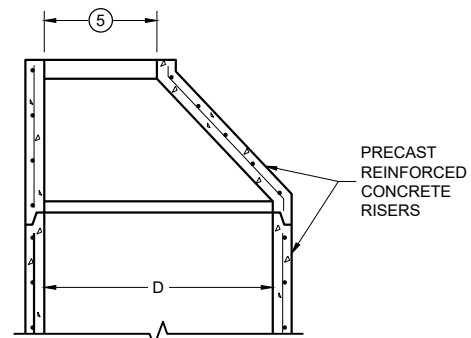
INLET COVERS TYPES BW
MANHOLE COVERS TYPES K,
J, J-S, L, AND M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

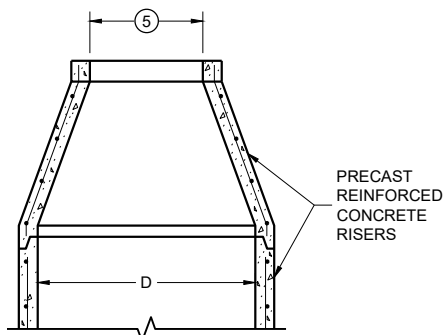
APPROVED
December 2023 /S/ Rodney Taylor
DATE ROADWAY STANDARDS DEVELOPMENT
FHWA UNIT SUPERVISOR



PLAN VIEW
CIRCULAR OPENING



OPTIONAL PRECAST
REINFORCED CONCRETE
ECCENTRIC TOP



OPTIONAL PRECAST
REINFORCED CONCRETE
CONCENTRIC TOP

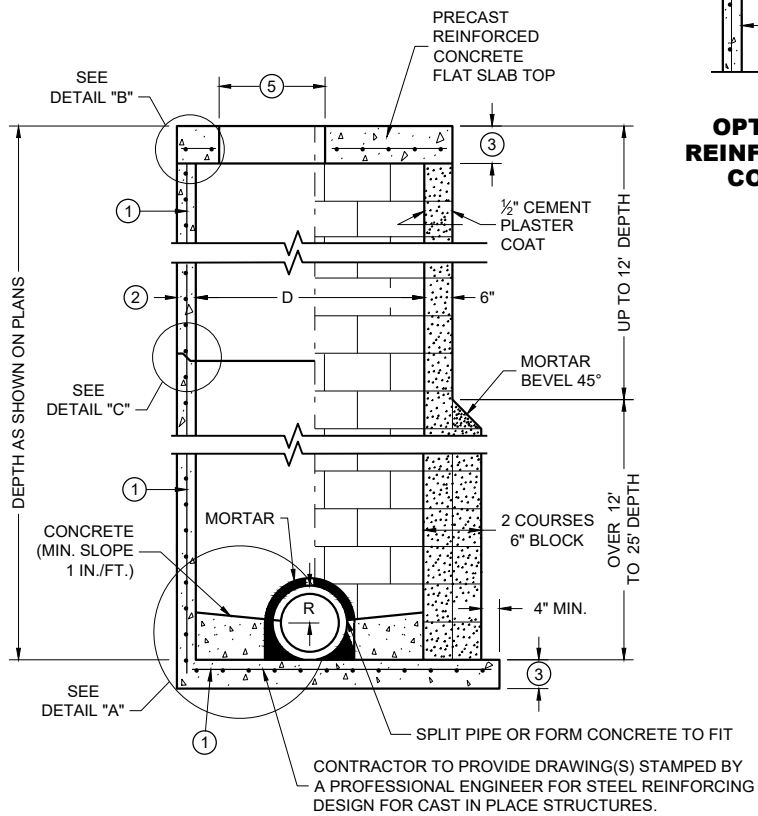
MANHOLE COVER OPENING MATRIX

MANHOLE COVER OPENING SIZE (FT.)	MANHOLE COVER TYPE	C	ALL JS	K	L	M
2 DIA.	5	X	X		X	
3 DIA.				X		X

PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42 *	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

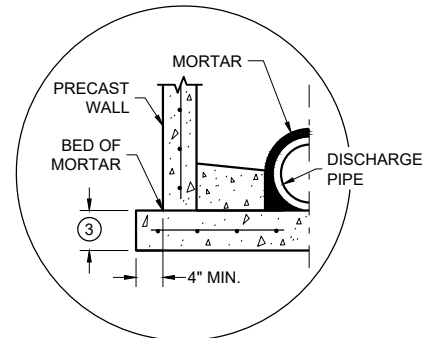
*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.



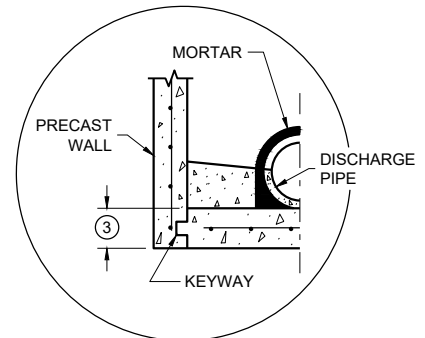
SECTION A - A

PRECAST REINFORCED
CONCRETE WITH
MONOLITHIC BASE

CONCRETE BLOCK WITH
CAST IN PLACE OR
PRECAST REINFORCED
CONCRETE BASE

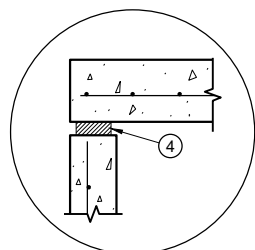


SEPARATE PRECAST REINFORCED
CONCRETE BASE OPTION

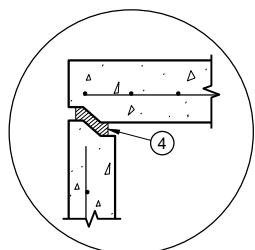


PRECAST REINFORCED CONCRETE
WITH INTEGRAL BASE OPTION

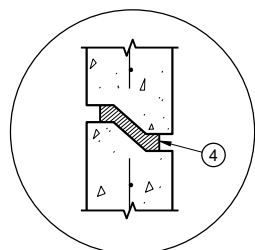
DETAIL "A"



TOP WITH PLAIN
END JOINT



TOP WITH TONGUE
AND GROOVE JOINT

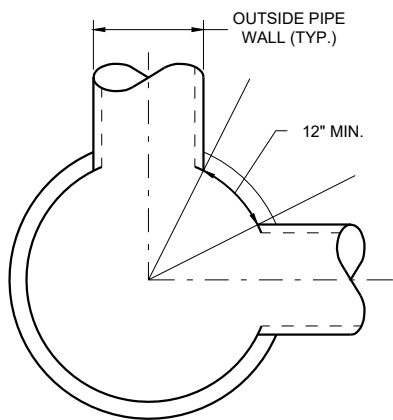


RISER WITH TONGUE
AND GROOVE JOINT

DETAIL "B"

DETAIL "C"

- FOR PRECAST MANHOLES AND REINFORCED CONCRETE BASES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.
- SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES
- SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.
- JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 OR RUBBER GASKETS CONFORMING TO ASTM C443.
- SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL
PIPE SEPARATION

DETAIL "D"

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL IMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

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

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

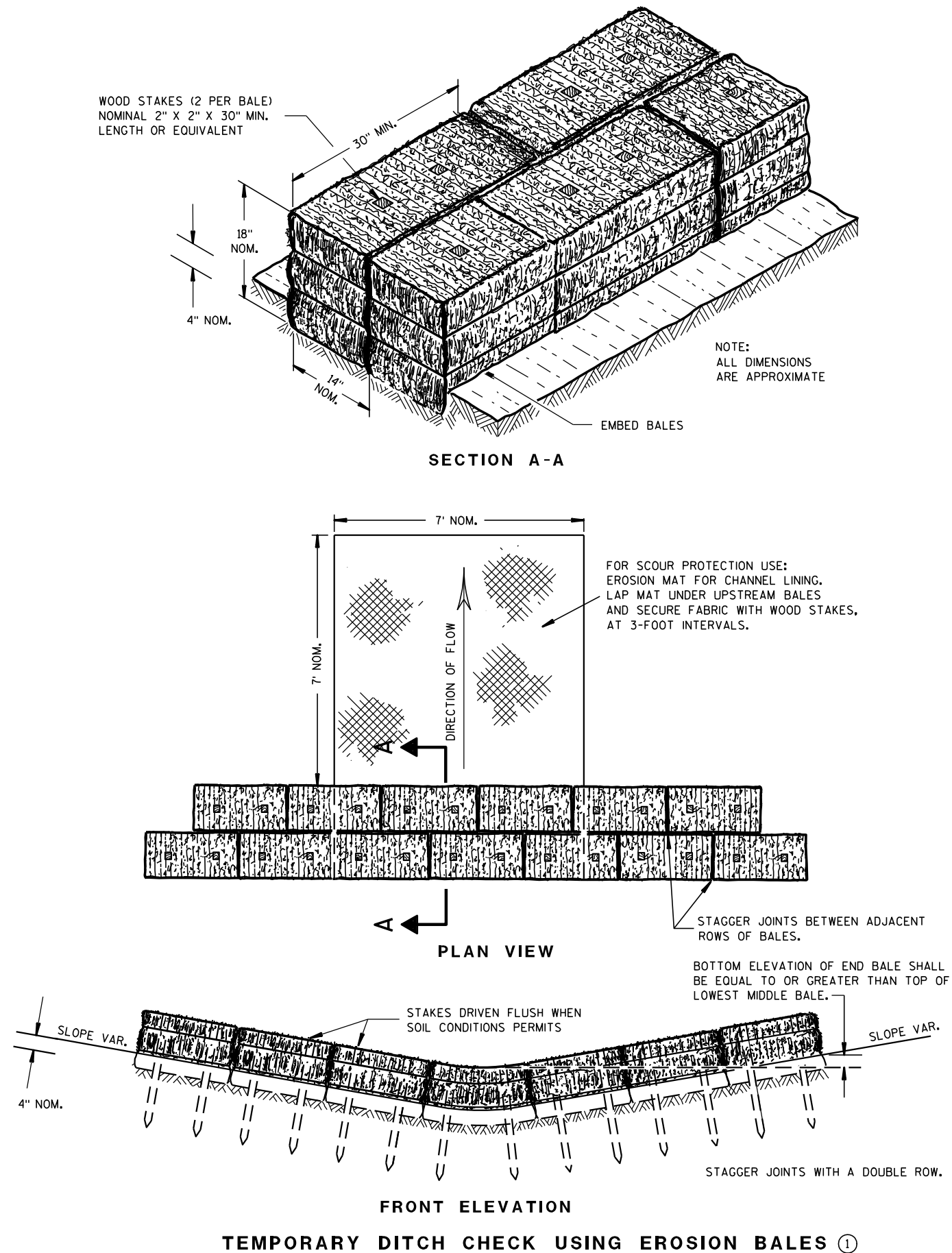
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

**MANHOLES, 3-FT, 4-FT
5-FT, 6-FT, 7-FT, 8-FT, 9-FT
AND 10-FT DIAMETER**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

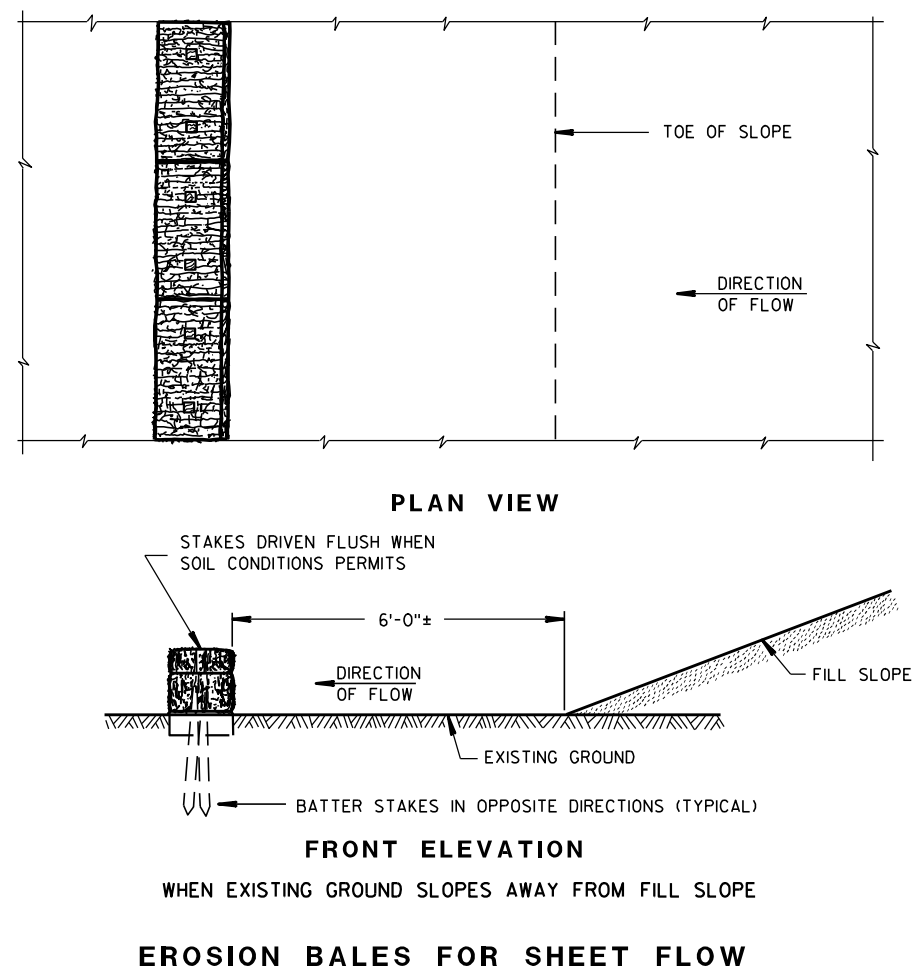
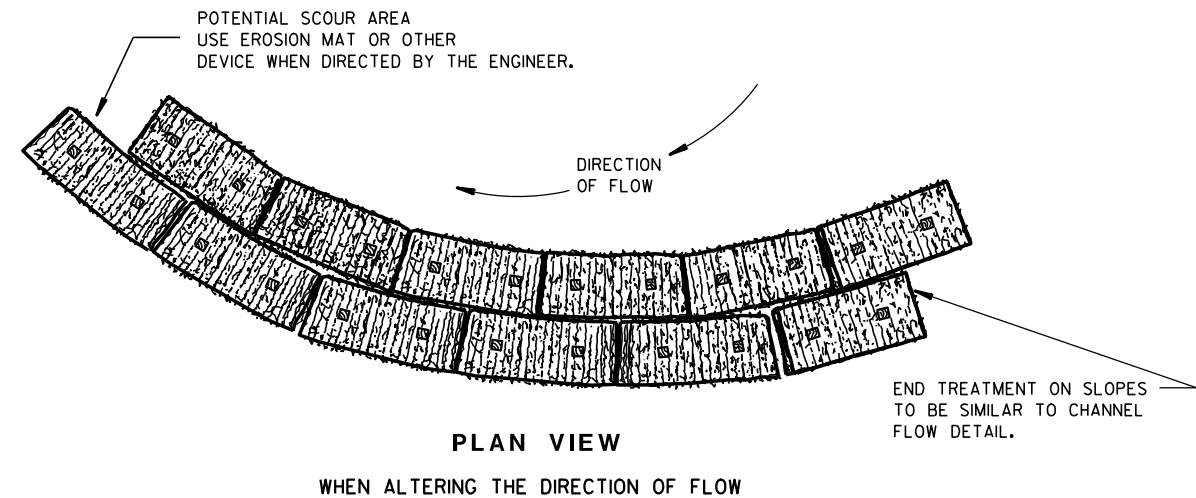
APPROVED
December 2023 /S/ Rodney Taylor
DATE ROADWAY STANDARDS DEVELOPMENT
FHWA UNIT SUPERVISOR



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.

TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

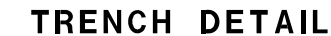
6/04/02
DATE

/S/ Beth Conn
CHIEF ROADWAY DEVELOPER 112 ENGINEER

FHWA



- 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 1½" X 1½" 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.



SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

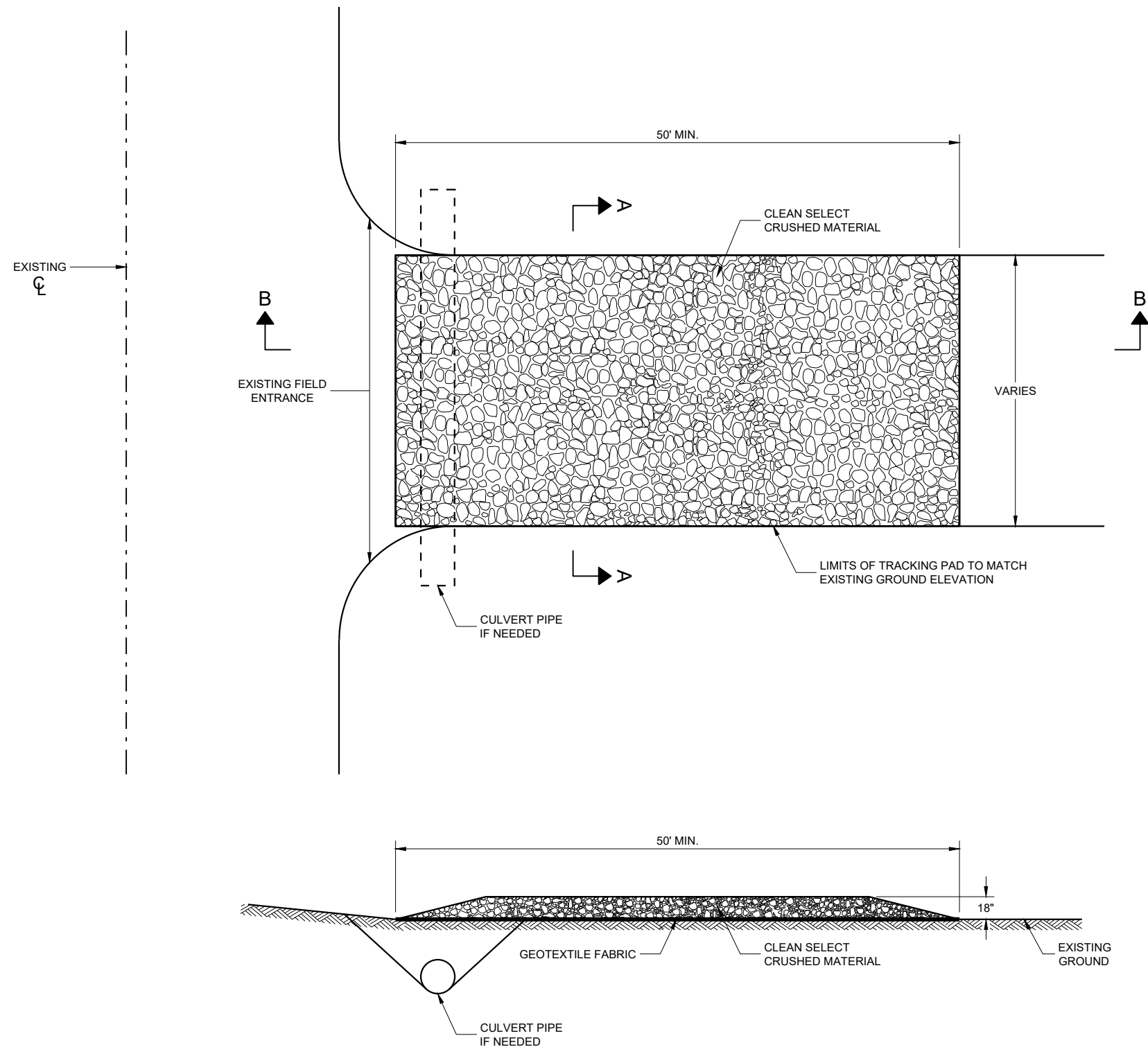
APPROVED
4-29-05
DATE

/S/ Beth Connolly
CHIEF ROADWAY DEVELOPMENT DIVISION

113

INCHES

FHWA



SECTION B - B

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.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

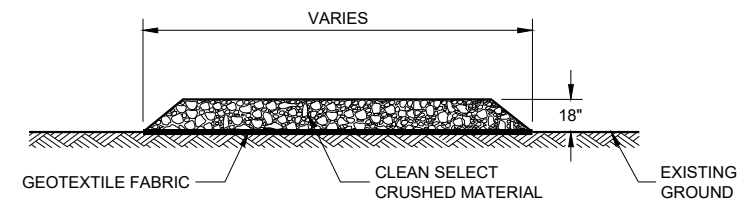
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



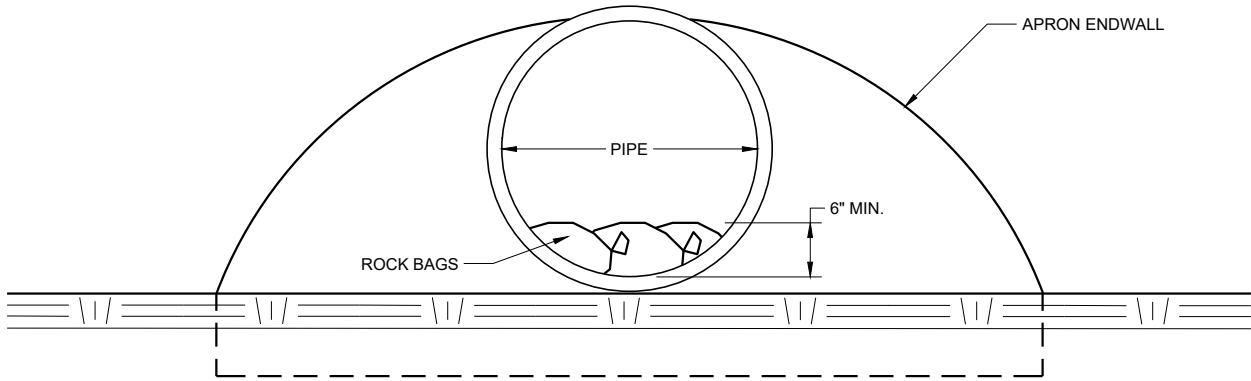
SECTION A - A

TRACKING PAD

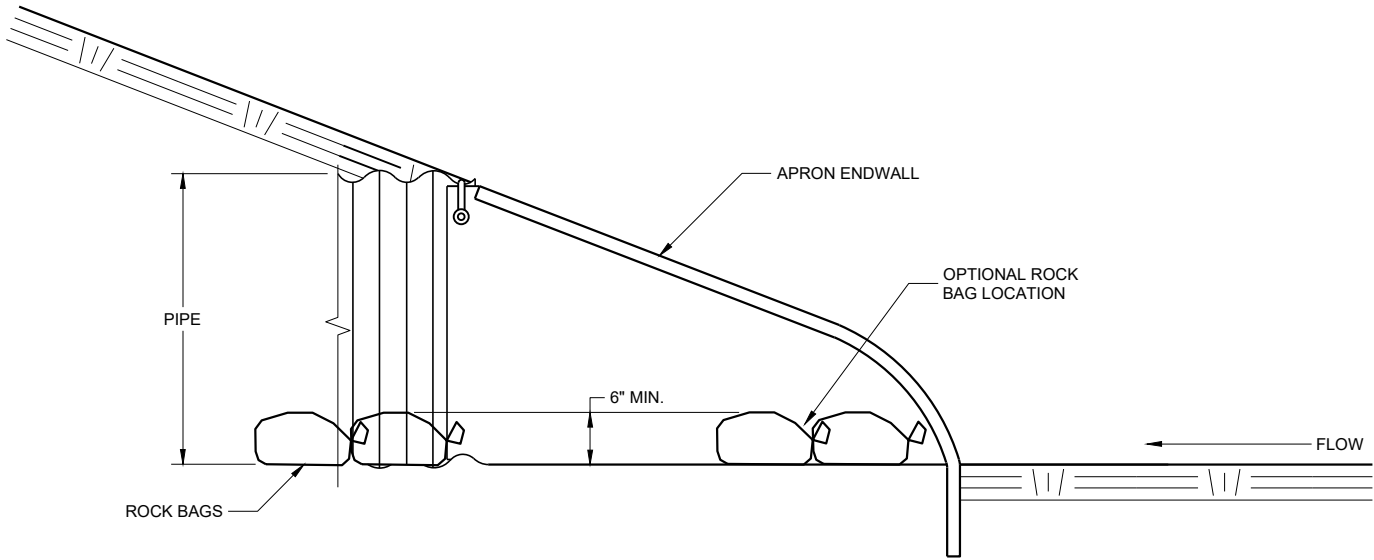
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
114

FHWA



END VIEW



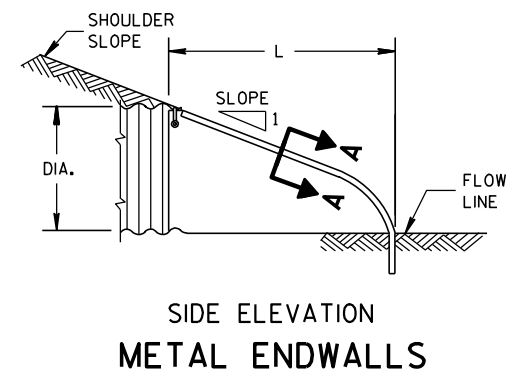
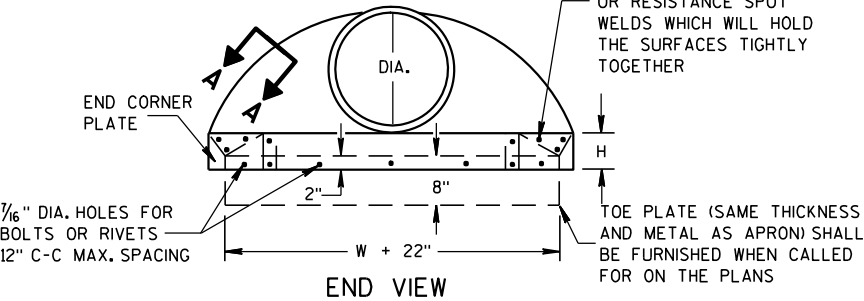
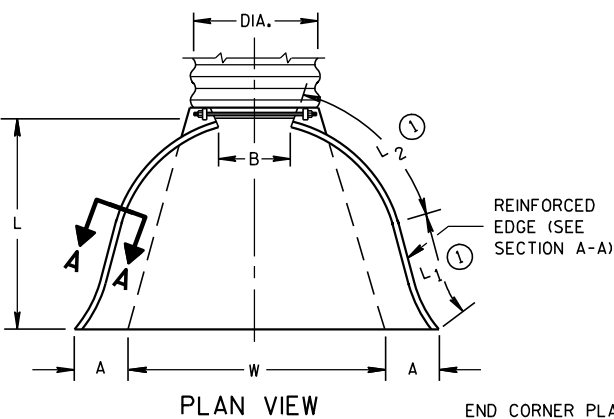
SIDE VIEW

CULVERT PIPE CHECK
(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2019 DATE	/S/ Daniel Schave EROSION CONTROL ENGI 115
FHWA	

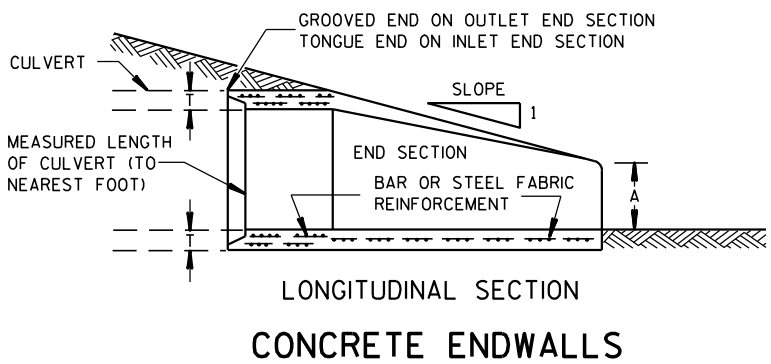
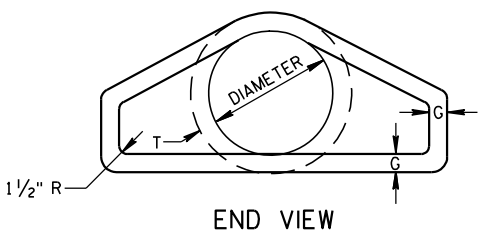
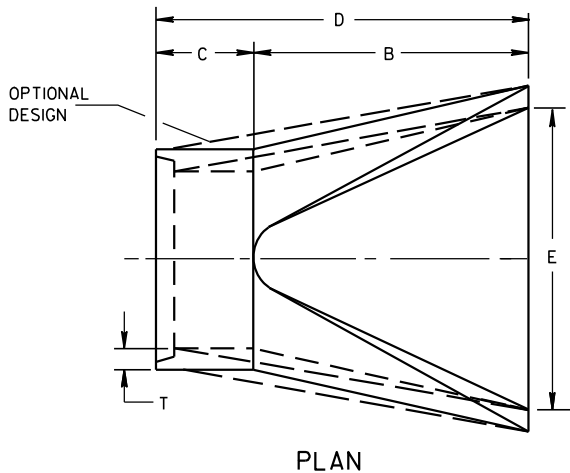
METAL APRON ENDWALLS												
PIPE DIA. (IN.)	MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE		BODY
	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")			
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1		1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1		1 Pc.
18	.064	.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

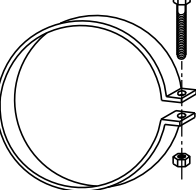


REINFORCED CONCRETE APRON ENDWALLS												
PIPE DIA. (IN.)	DIMENSIONS (Inches)							APPROX. SLOPE				
	T	A	B	C	D	E	G					
12	2	4	24	48 7/8	72 7/8	24	2	3 to 1				
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1				
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1				
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1				
24	3	9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

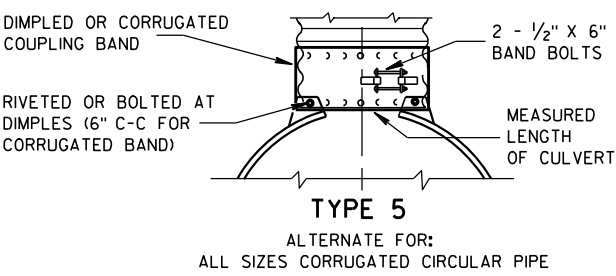
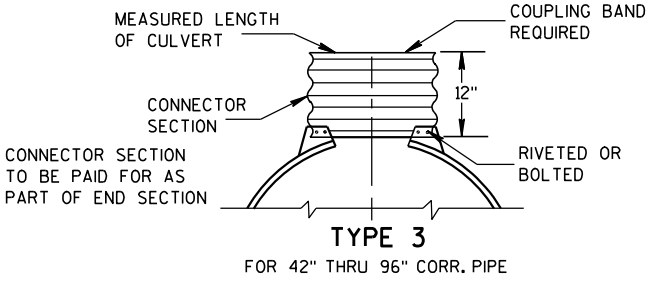
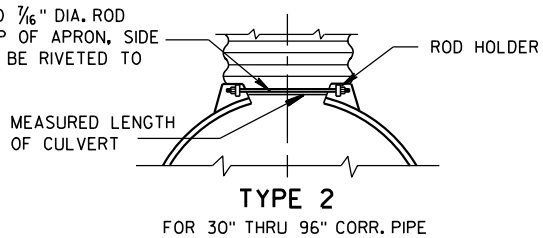
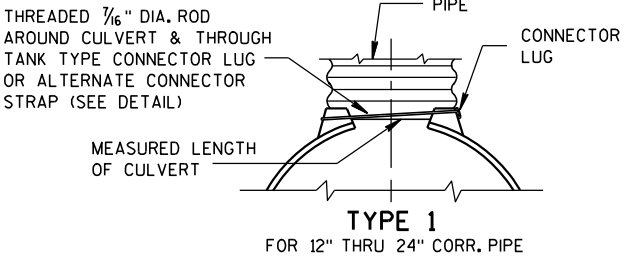
* MINIMUM
** MAXIMUM



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



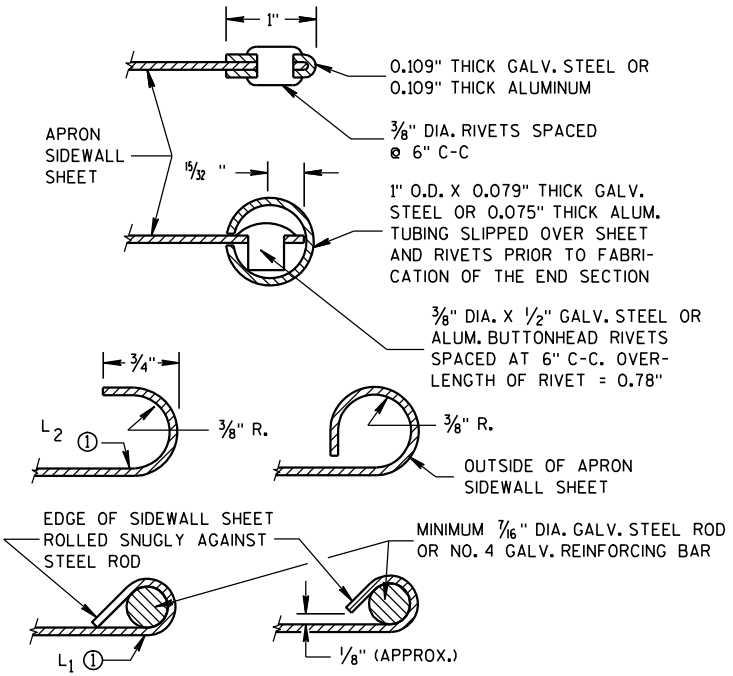
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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 VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

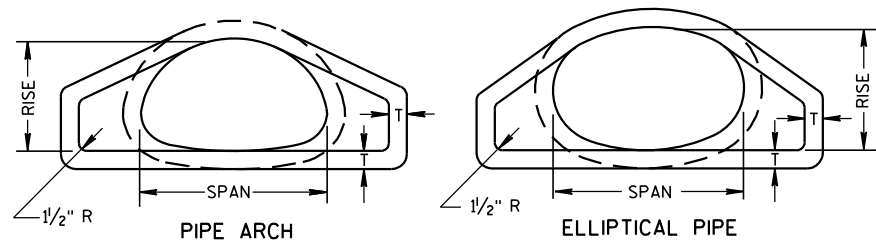
ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT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

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

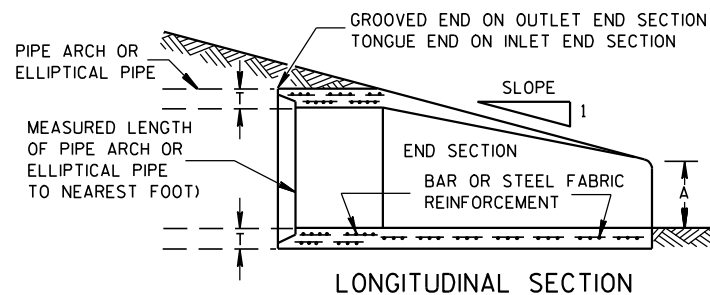
WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

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

APRON ENDWALLS FOR CULVERT PIPE			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVED 11/30/94 DATE	/S/ Rory L. Rhinehart CHIEF ROADWAY DEVELOP	116	NEER
FHWA			

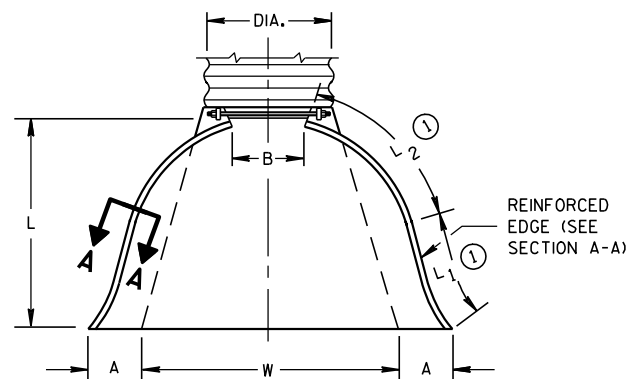


END VIEW



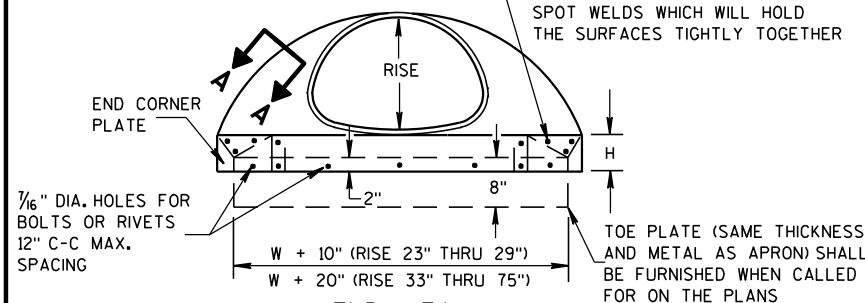
LONGITUDINAL SECTION

CONCRETE ENDWALLS

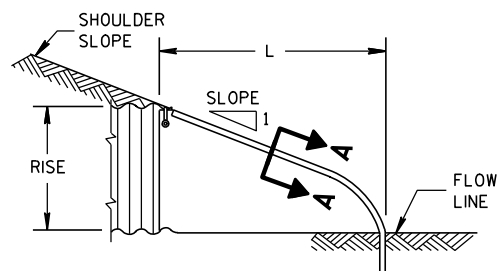
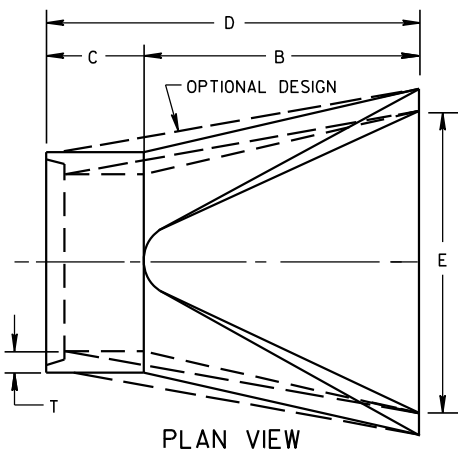


PLAN VIEW

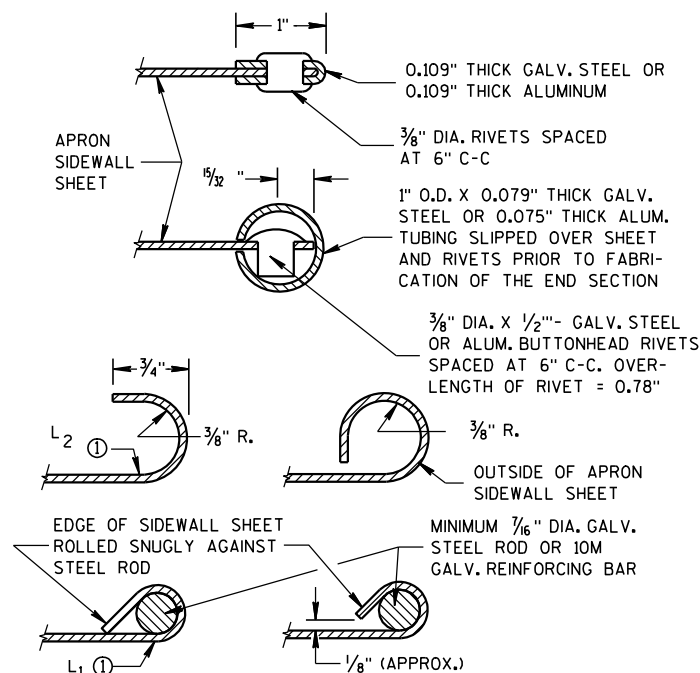
END CORNER PLATES MAY BE FASTENED TO APRON PROPER BY BOLTS, RIVETS, OR RESISTANCE SPOT WELDS WHICH WILL HOLD THE SURFACES TIGHTLY TOGETHER



END VIEW

SIDE ELEVATION
METAL ENDWALLS

PLAN VIEW



SECTION A-A

2- 2 2/3" X 1/2" CORRUGATIONS													
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
15	17	13	.064	.060	7	9	6	19	14	16	30	2 1/2 to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19 3/8	36	2 1/2 to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21 3/4	42	2 1/2 to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27 1/2	48	2 1/2 to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37 5/8	60	2 1/2 to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45 3/8	75	2 1/2 to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54 3/4	85	2 1/2 to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2 1/2 to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72 3/4	102	2 1/4 to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82 1/4	114	2 1/4 to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

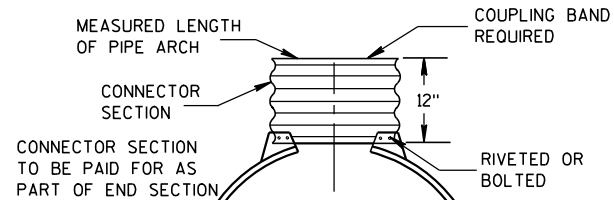
3" X 1" CORRUGATIONS													
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches)		DIMENSIONS (Inches)							APPROX. SLOPE	BODY
	SPAN	RISE	STEEL	ALUM.	A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")		
48	53	41	.109	.105	18	26	12	63	24	72 3/4	90	2 1/2 to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82 1/4	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1 1/2 to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1 1/2 to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1 1/2 to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1 1/2 to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1 1/2 to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1 1/2 to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL
SEE GENERAL NOTES

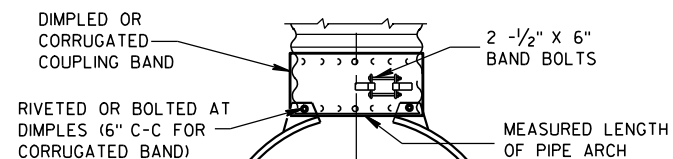
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:
ALL SIZES CORRUGATED PIPE ARCHESNOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL,
AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	** SPAN	** RISE	T	A	B	C	D	E	
24	29	18	3	8 1/2	39	33	72	48	3 to 1
30	36	22	3 1/2	9 1/2	50	46	96	60	3 to 1
36	44	27	4	11 1/8	60	36	96	72	3 to 1
42	51	31	4 1/2	15 1/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5 1/2	25 1/2	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28 1/2	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

EQUIV. DIA. (Inches)	DIMENSIONS (Inches)								APPROX. SLOPE
	** SPAN	** RISE	T	A	B	C	D	E	
24	30	19	3 1/4	8 1/2	39	33	72	48	3 to 1
30	38	24	3 3/4	9 1/2	54	18	72	60	3 to 1
36	45	29	4 1/2	11 1/8	60	24	84	72	2 1/2 to 1
42	53	34	5	15 1/4	60	36	96	78	2 1/2 to 1
48	60	38	5 1/2	21	60	36	96	84	2 1/2 to 1
54	68	43	6	25 1/2	60	36	96	90	2 1/2 to 1
60	76	48	6 1/2	30	60	36	96	96	2 1/2 to 1

**NOMINAL SIZE

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

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH 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 ARCH 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 77" X 52" THROUGH 112" X 75" 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 ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR
PIPE ARCH AND
ELLIPTICAL PIPESTATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94

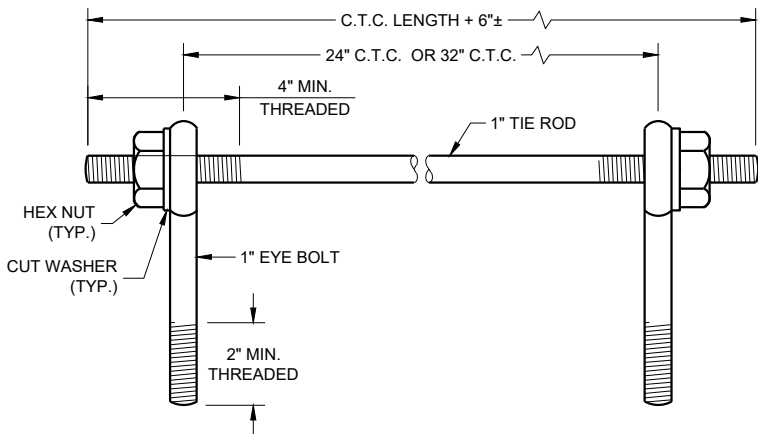
DATE

/S/ Rory L. Rhinehart

CHIEF ROADWAY DEVELOPER

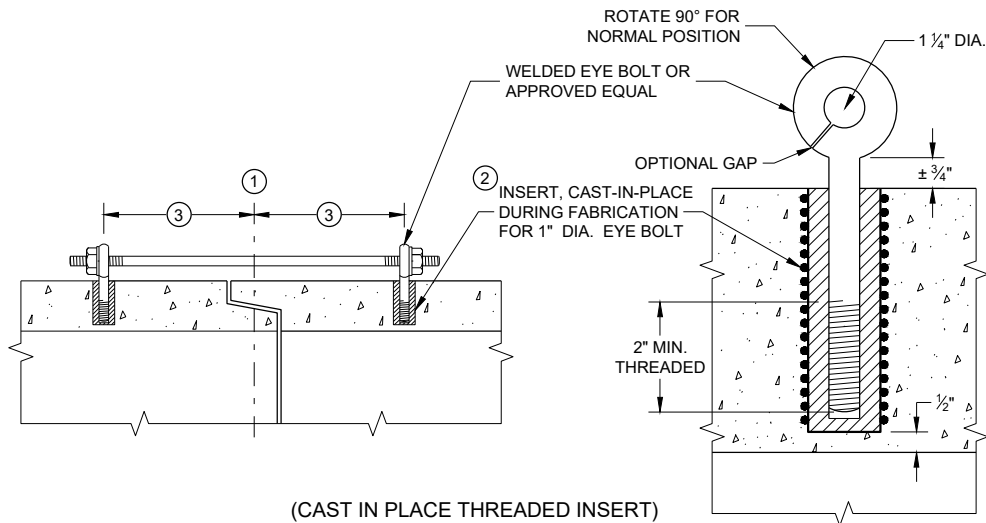
FHWA

ENGINEER



EYE BOLTS AND TIE ROD

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



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

GENERAL NOTES

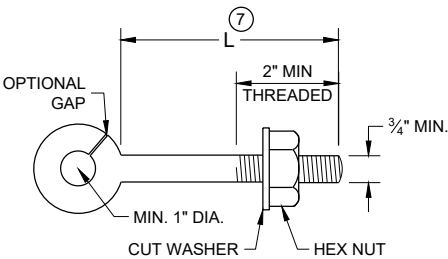
DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

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.

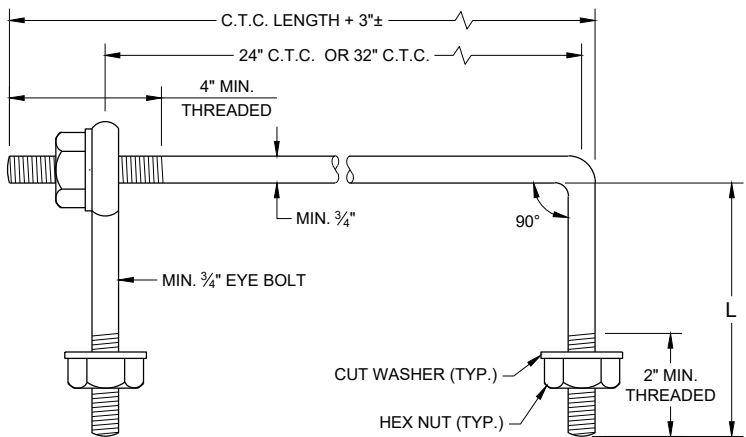
JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

- 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.

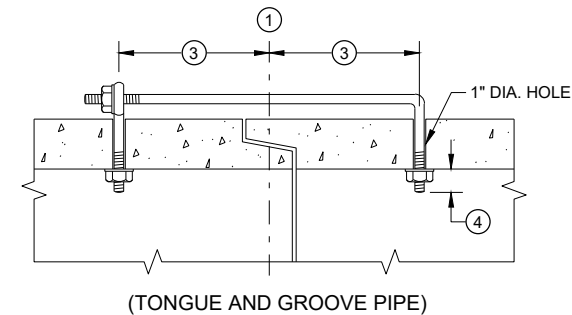


EYE BOLT 7

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



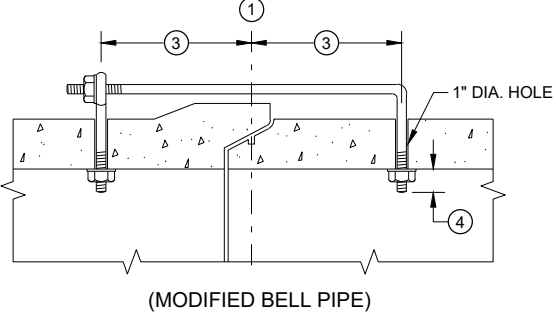
EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)

LONGITUDINAL SECTION

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



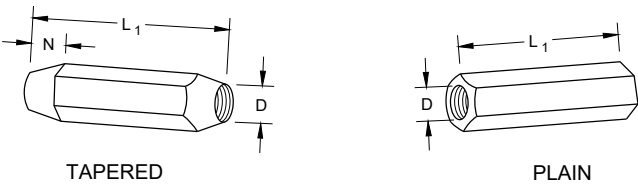
(MODIFIED BELL PIPE)

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

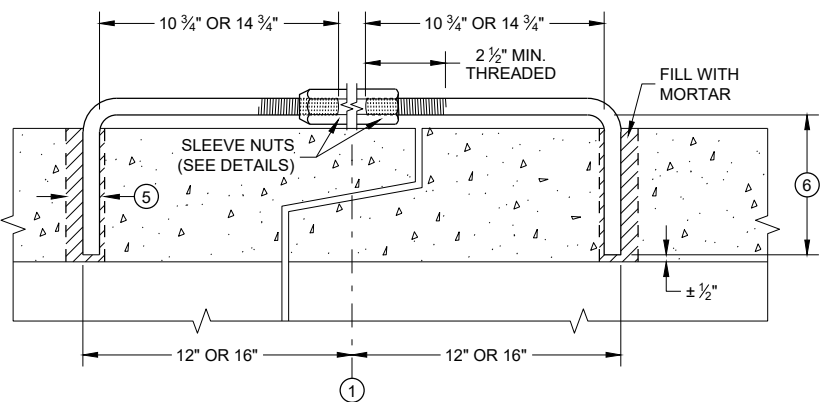
DIMENSIONS SHOWN ARE IN INCHES



TAPERED

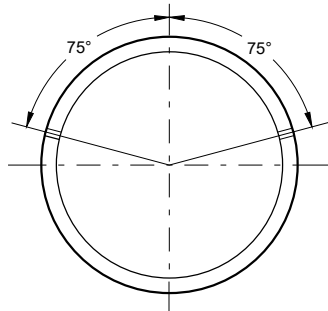
PLAIN

RIGHT AND LEFT THREADS
SLEEVE NUTS



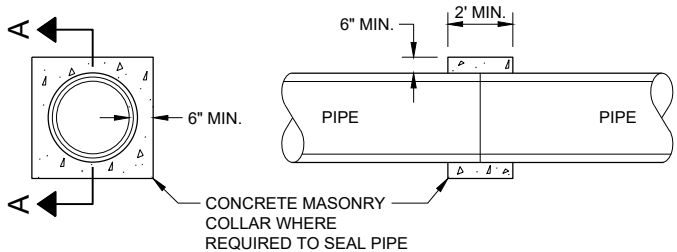
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



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

TRANSVERSE SECTION



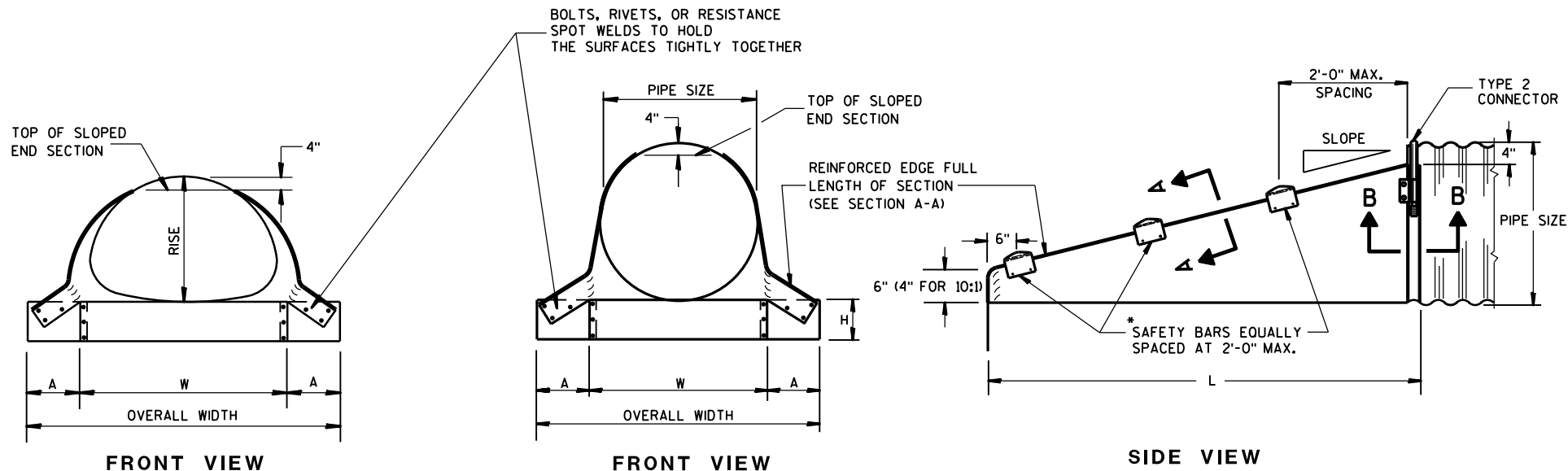
SECTION A - A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE
PIPE AND CONCRETE
COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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



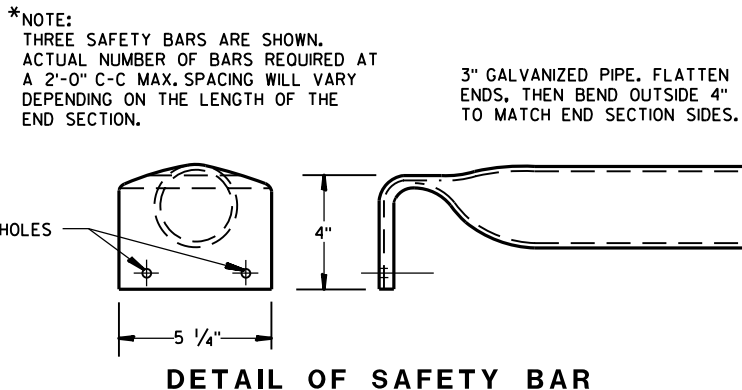
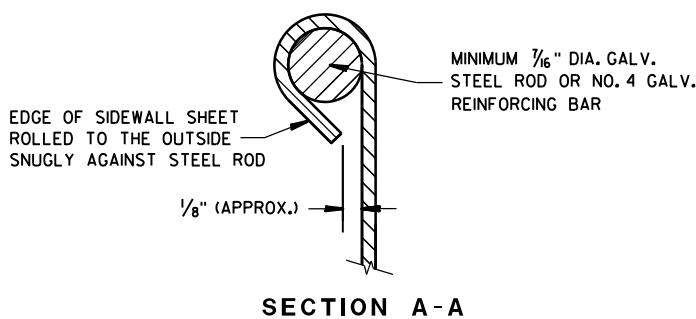
GENERAL NOTES

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.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

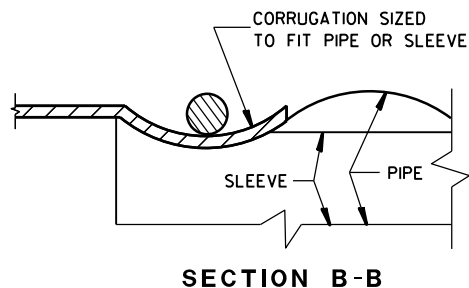
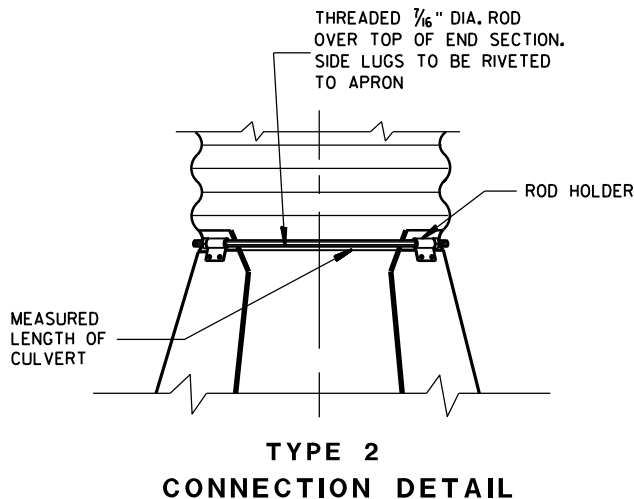
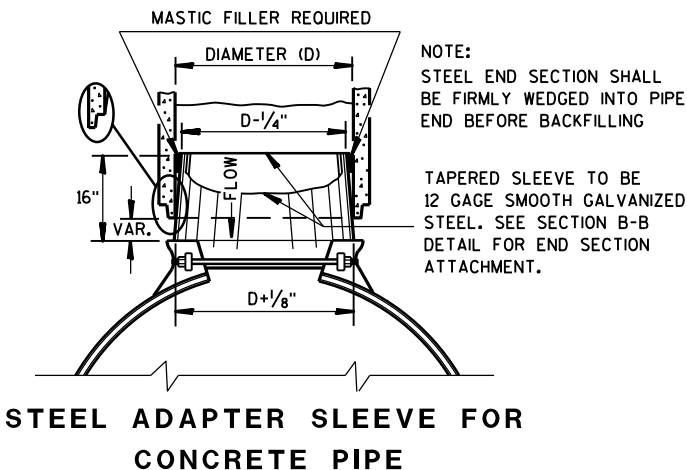
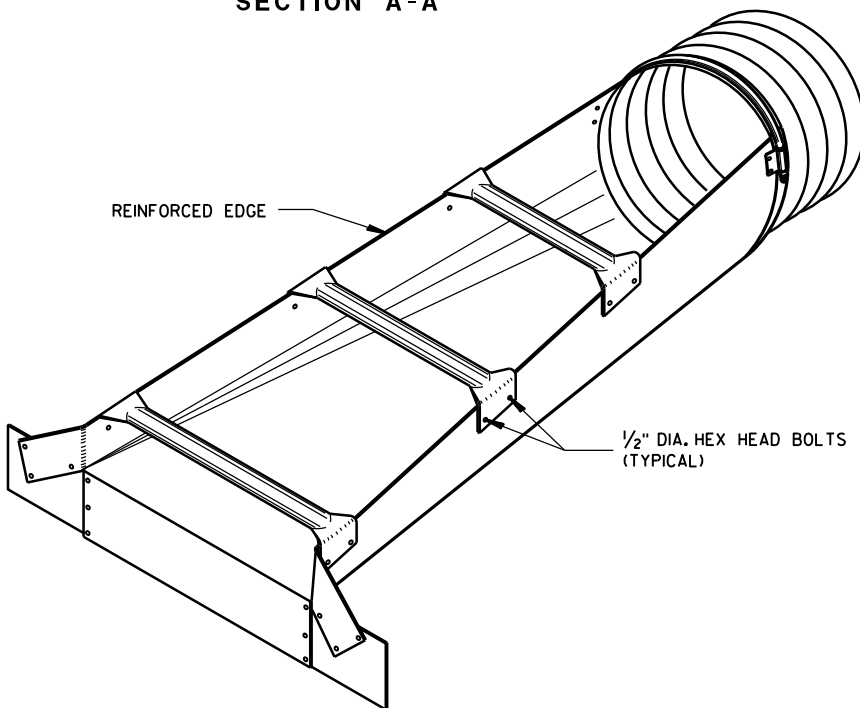
STEEL APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS											
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	—	—
48	.109	16	12	54	86	4:1	152	6:1	228	—	—
54	.109	16	12	60	92	4:1	176	6:1	264	—	—
60	.109	16	12	66	98	4:1	200	6:1	300	—	—



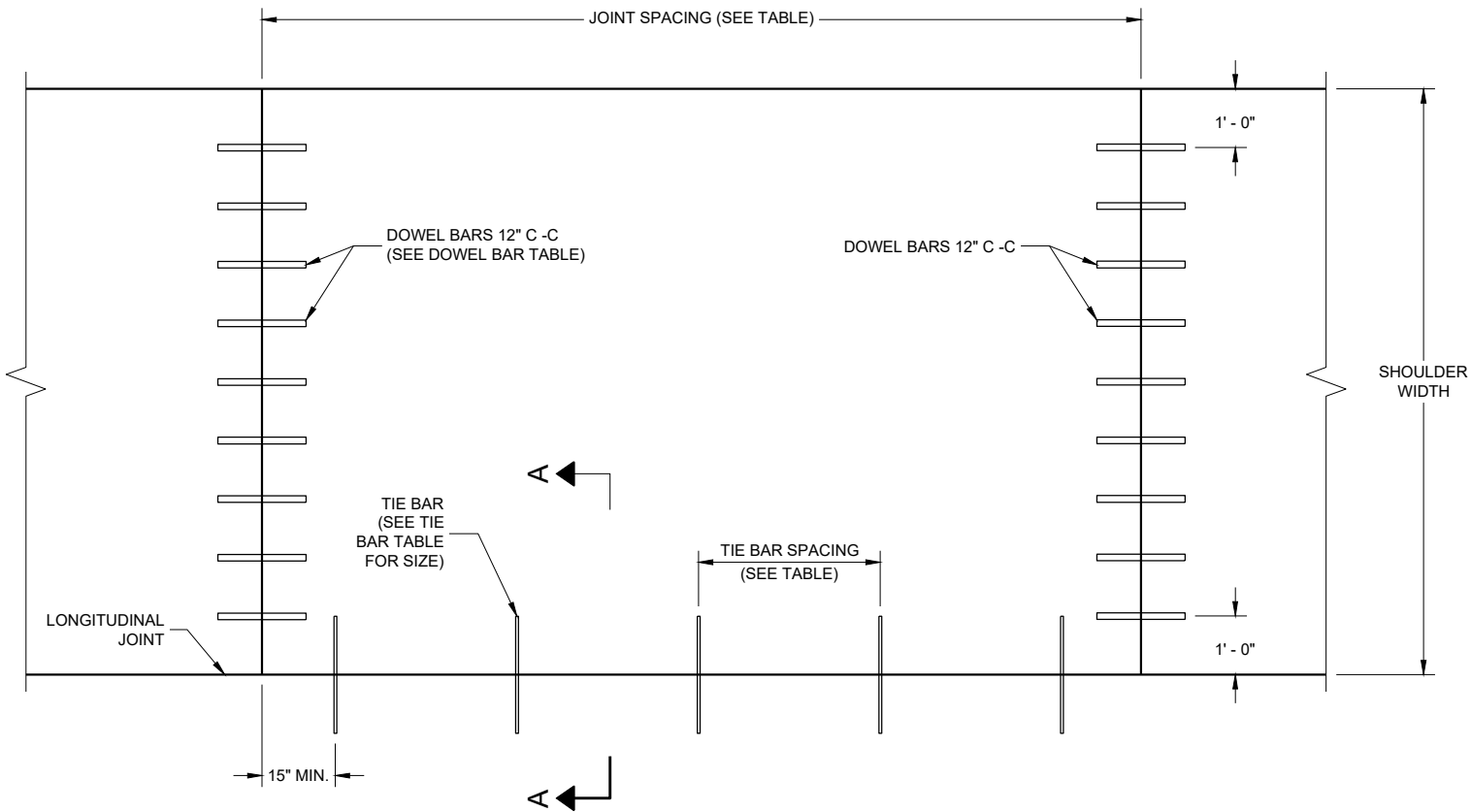
STEEL APRON ENDWALLS FOR PIPE ARCH SLOPED SIDE DRAINS											
EQUIV. DIA. (Inches)	(Inches)		MIN. THICK. (Inches) ①	DIMENSIONS (Inches)				L DIMENSIONS			
	SPAN	RISE		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30 10:1 ②
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30 10:1
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48 10:1
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60 10:1
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84 10:1
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114 10:1
42	49	33	.109	16	12	55	87	4:1	92	6:1	138 —
48	57	38	.109	16	12	63	95	4:1	112	6:1	168 —
54	64	43	.109	16	12	70	102	4:1	132	6:1	198 —

① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".

② ACTUAL SLOPE GREATER THAN 10:1.



STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 9/14/2012 DATE	/S/ Jerry H. Zoog ROADWAY STANDARDS ENGINEER 119 NT



PLAN VIEW
CONCRETE PAVEMENT SHOULDER

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
<10 1/2"	NO. 4	30"	36"
>10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BATS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES).

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

PAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER ***	CONTRACTION JOINT SPACING
6", 6 1/2"	NONE	12"
7", 7 1/2"	1"	14"
8" & ABOVE	1 1/4"	15"

*** FOR DOWELED CONCRETE SHOULDERS WITH TRAPEZOIDAL CROSS SECTIONS, CHOSE THE APPROPRIATE DOWEL BAR DIAMETER BASED ON THE SMALLER PAVEMENT DEPTH (LIKELY THE OUTSIDE EDGE OF THE SHOULDER). IF USING BASKETS, USE BASKETS FRO THE AVERAGE THICKNESS OF THE CROSS SECTION.

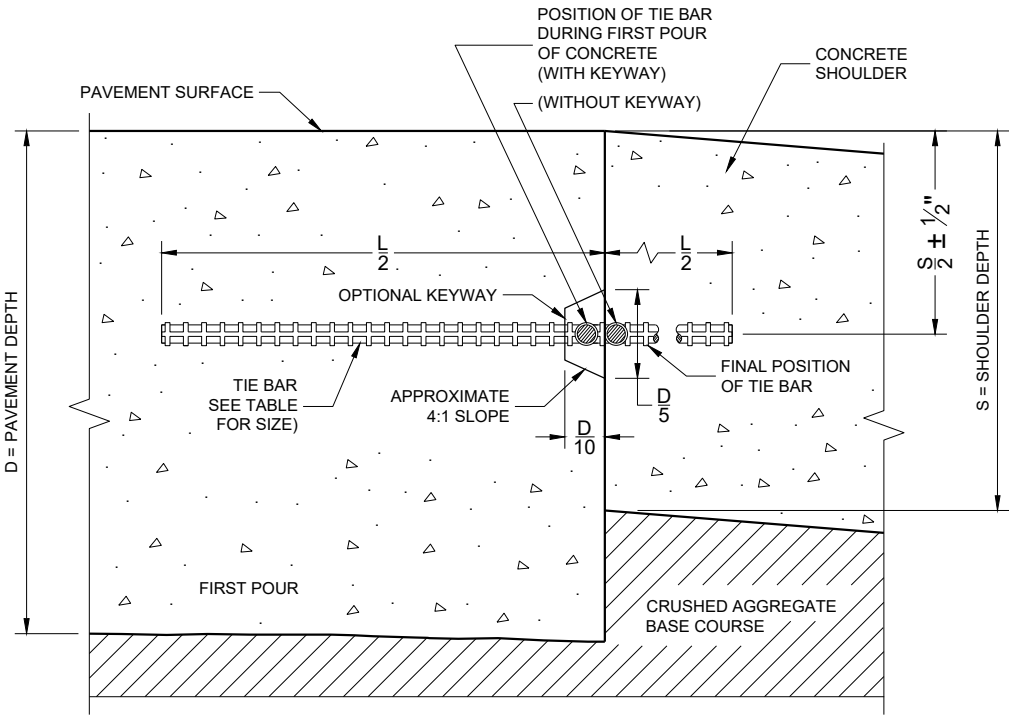
GENERAL NOTES

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

TRANSVERSE JOINT DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

FINISH THE SHOULDER PAVEMENT CONFORMING TO SUBSECTION 415.3.8 OF THE STANDARD SPECIFICATIONS.

TIE BARS SHALL CONFORM TO SUBSECTION 505.2.4 OF THE STANDARD SPECIFICATIONS.

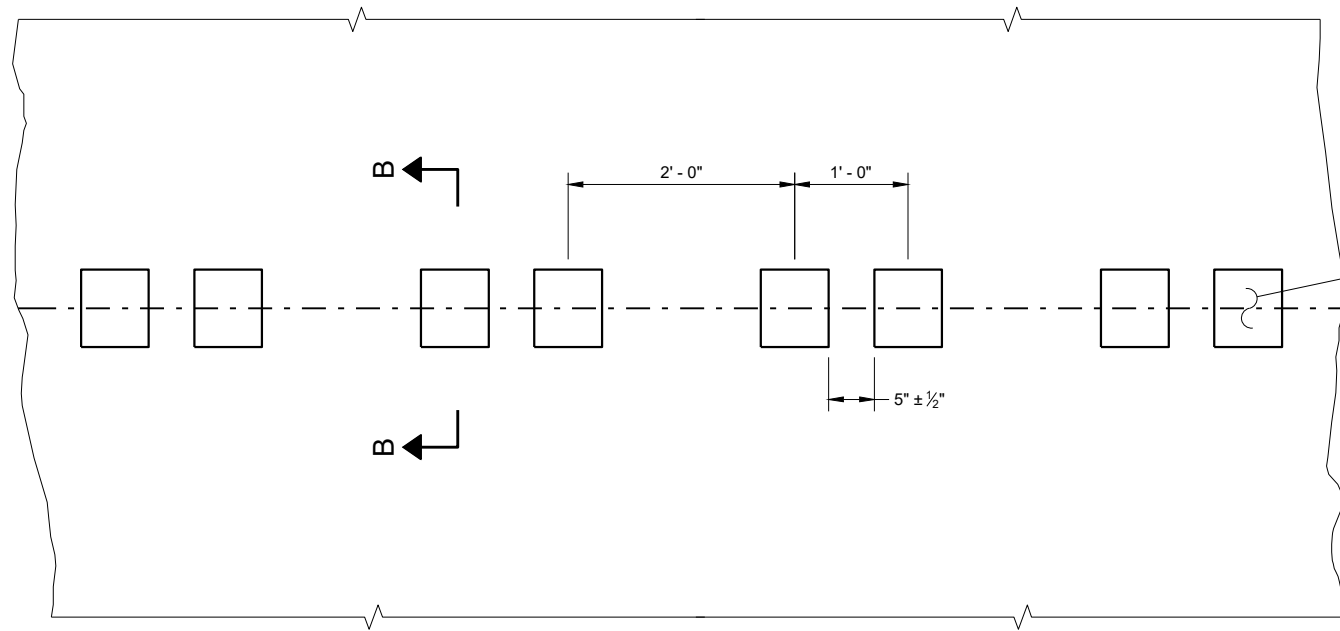


SECTION A - A
LONGITUDINAL CONSTRUCTION JOINT

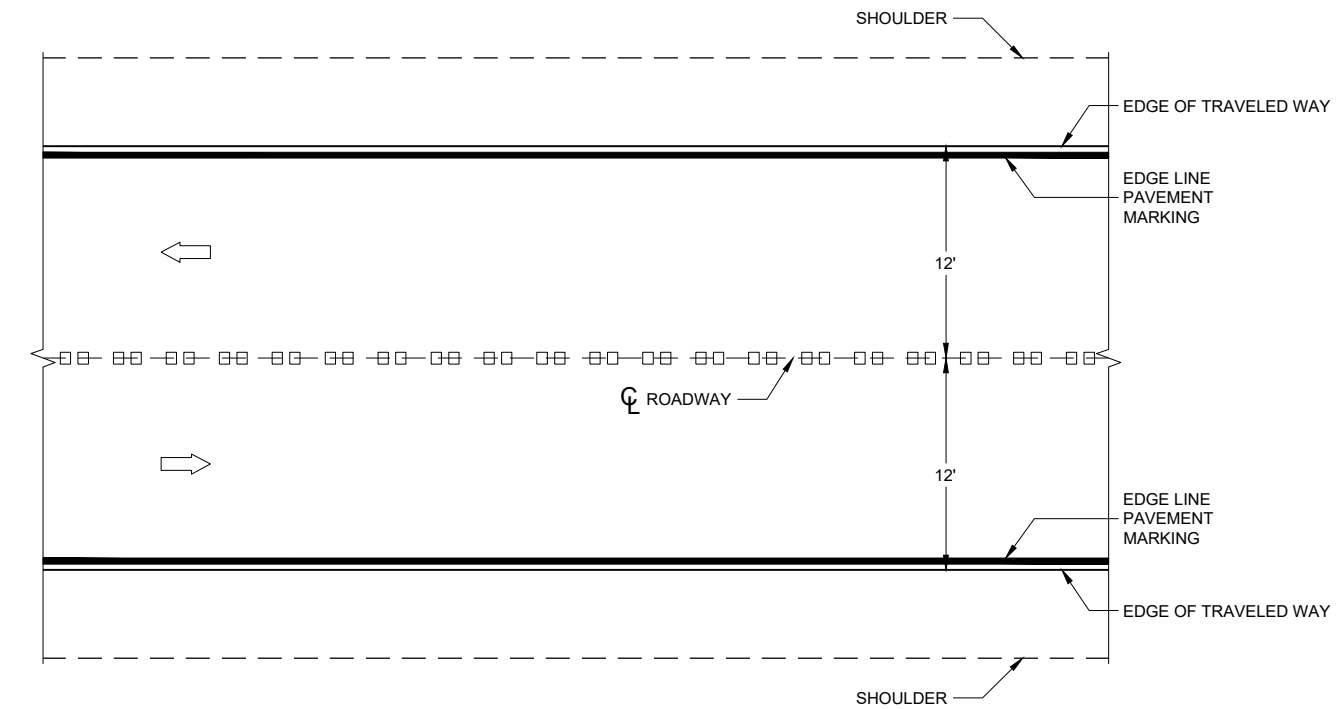
CONCRETE PAVEMENT
SHOULDERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 /S/ Peter Kemp
DATE PAVEMENT SUPERVISOR 120
FHWA

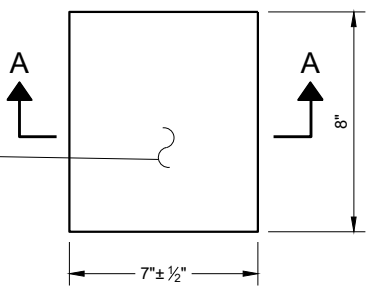


PLAN DETAIL VIEW

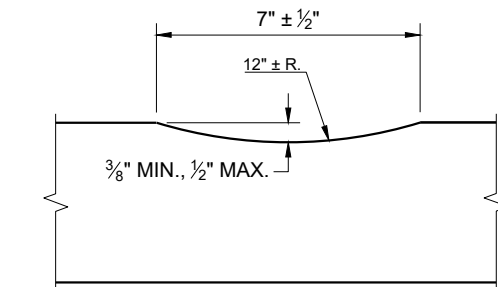


PLAN VIEW

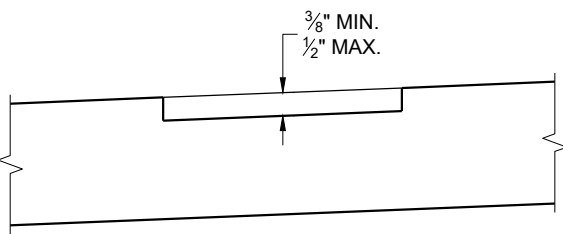
CENTERLINE RUMBLE STRIPS - ASPHALT



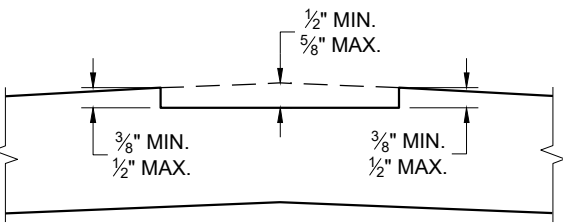
PLAN VIEW
(SINGLE GROOVE)



SECTION A - A



SECTION B - B
SUPERELEVATED ROADWAY

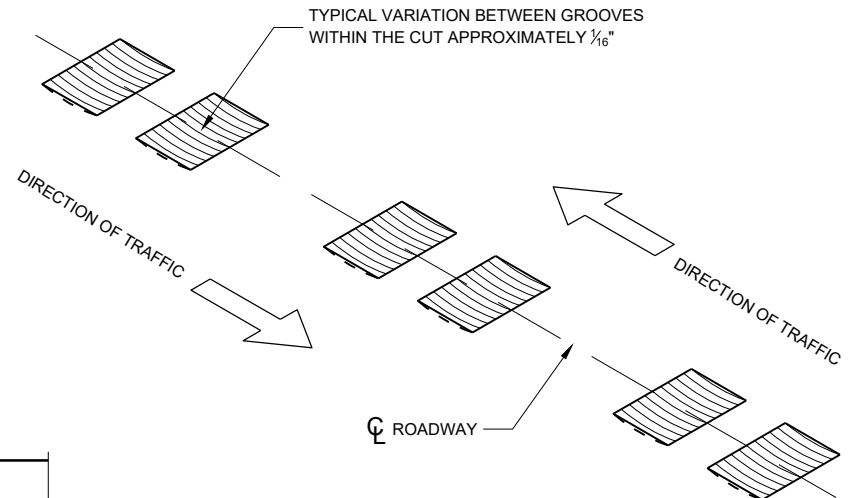


SECTION B - B
CROWNED ROADWAY

GENERAL NOTES

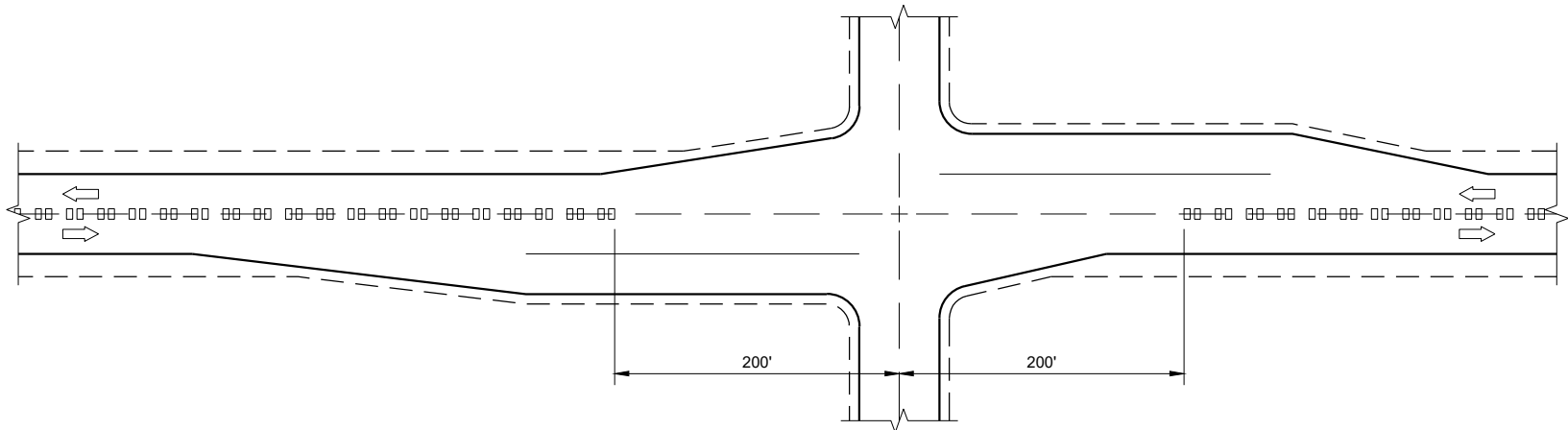
DO NOT MILL SHOULDER GROOVES THROUGH INTERSECTIONS, MARKED CROSSWALKS, NON-MOTORIZED PATH CROSSINGS, ETC. REFER TO SDD 13A11 SHEETS "d" AND "e".

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

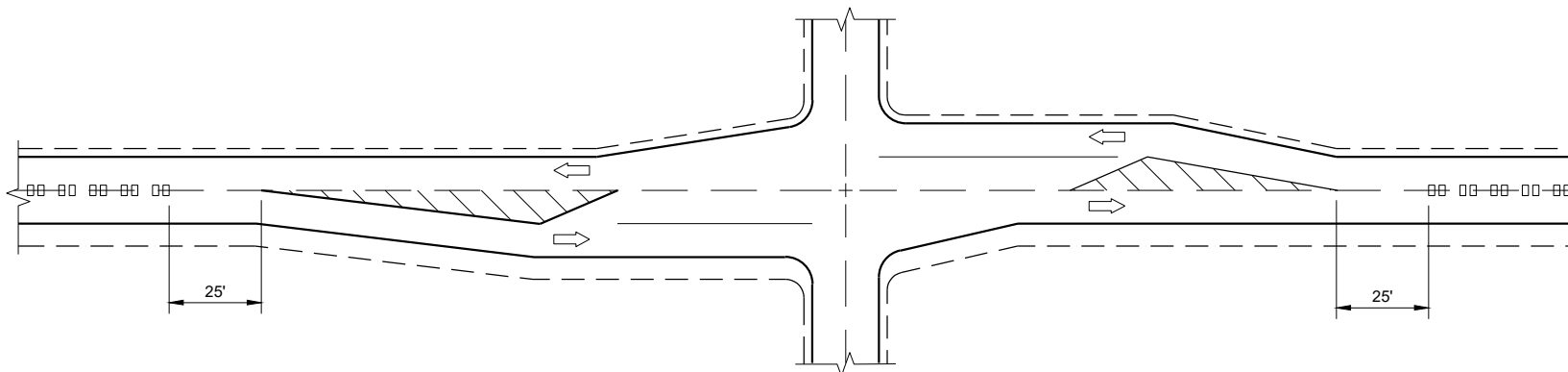


CENTERLINE RUMBLE STRIPS - ASPHALT

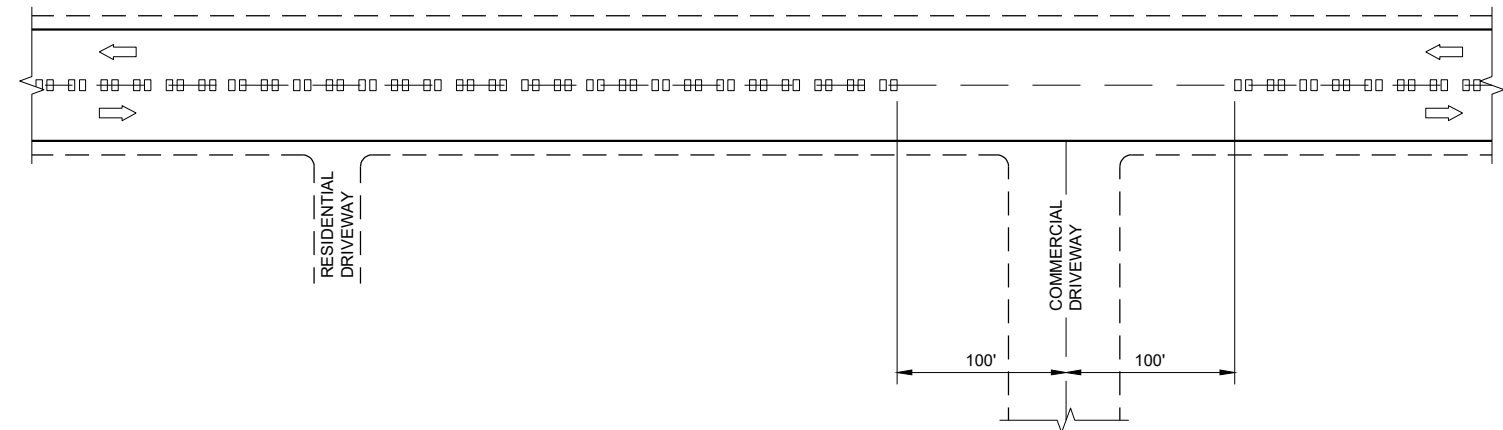
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 121



CENTERLINE GROOVES AT INTERSECTIONS



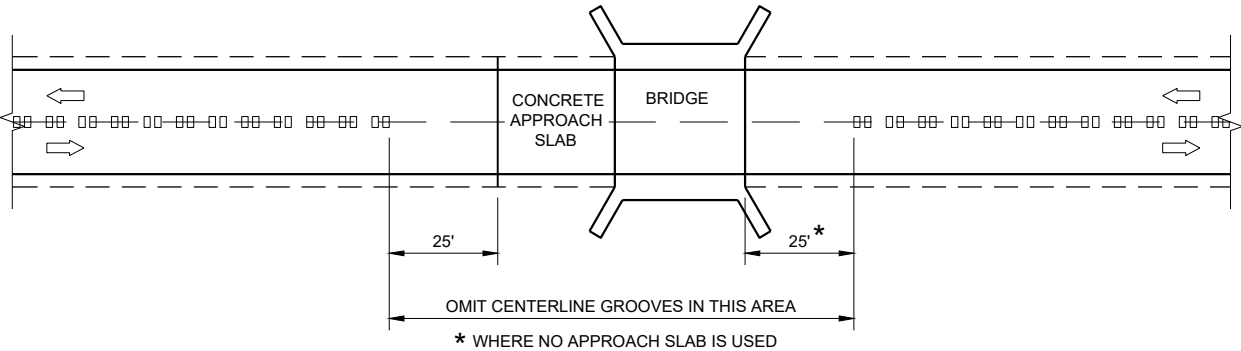
CENTERLINE GROOVES AT INTERSECTIONS
(WITH LEFT TURN LANES)



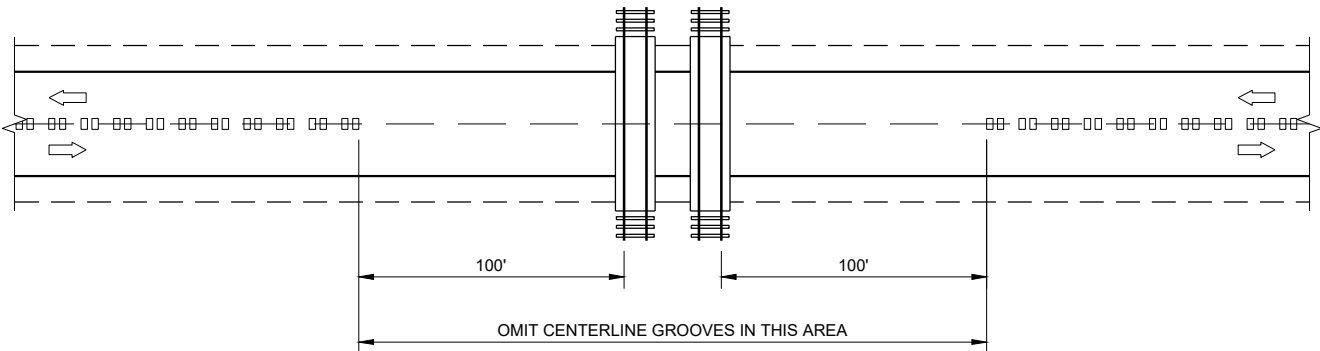
CENTERLINE GROOVES AT DRIVEWAYS^①

GENERAL NOTES

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



CENTERLINE GROOVES AT BRIDGES



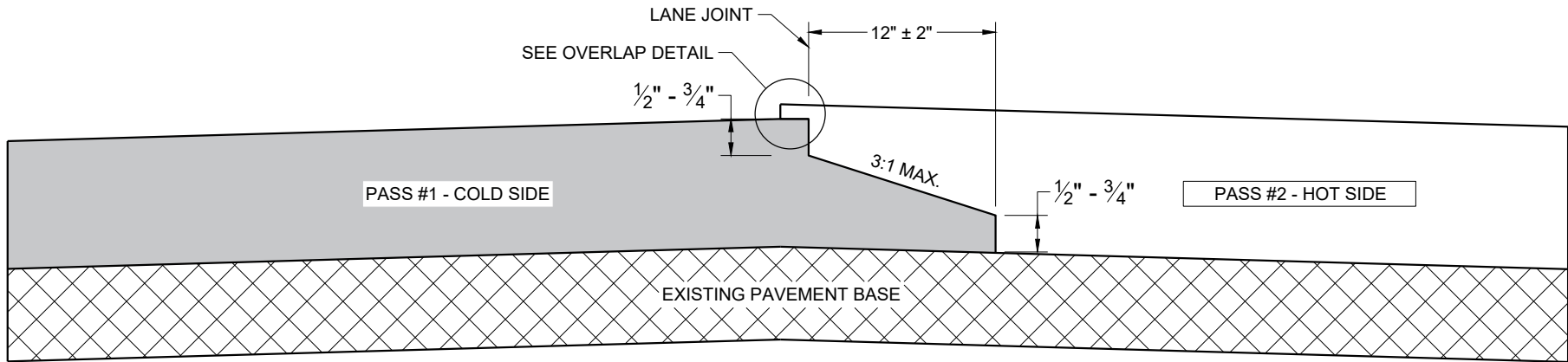
CENTERLINE GROOVES AT RAILROADS

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

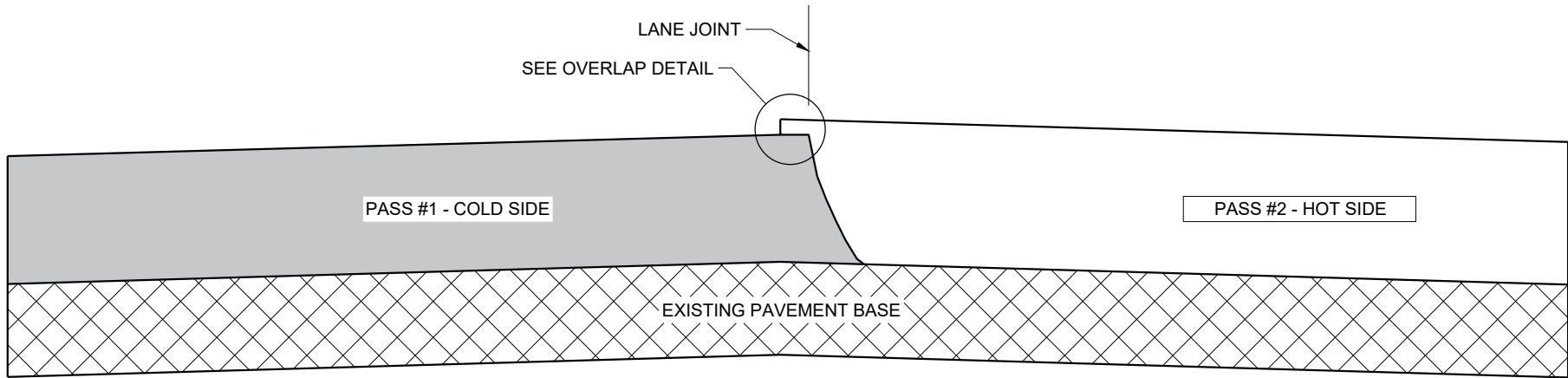
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023
DATE
/S/ John Jenkins
ROADWAY STANDARDS DEVELOPMENT ENGINEER
122

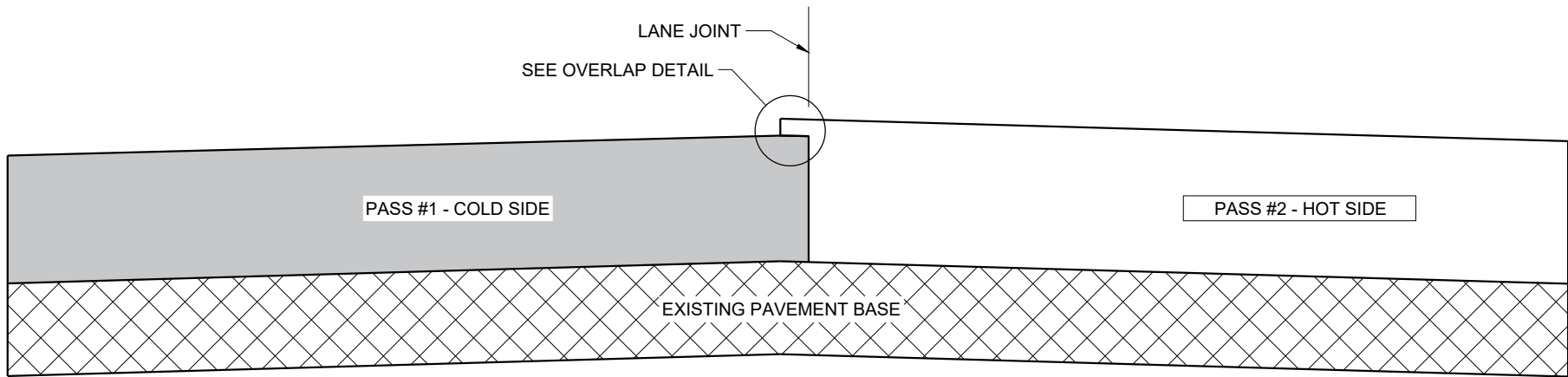
FHWA



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

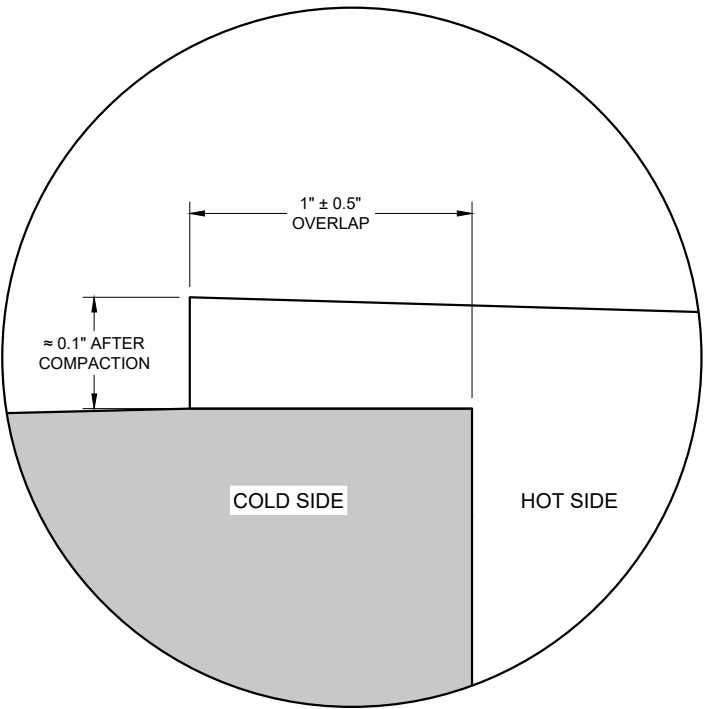
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 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)

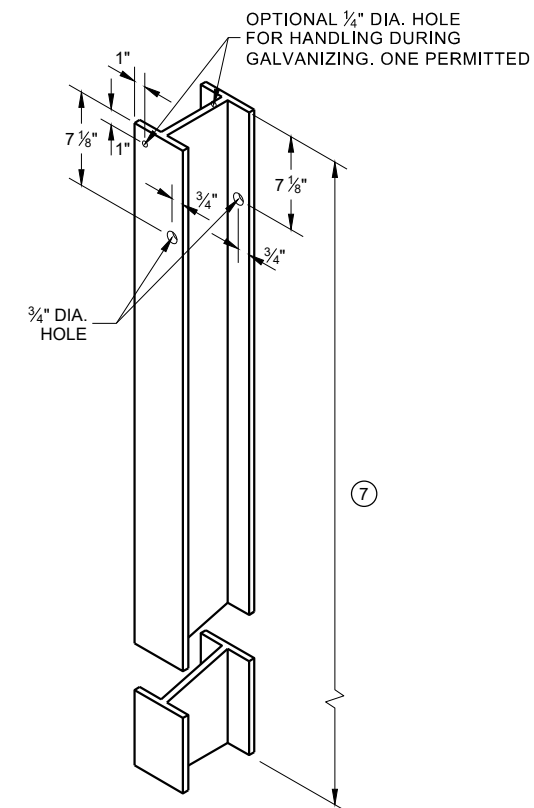
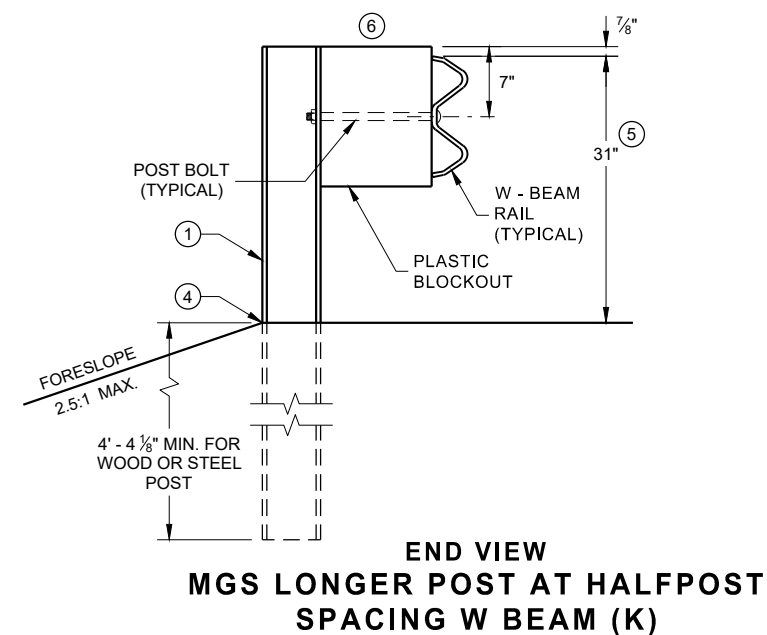
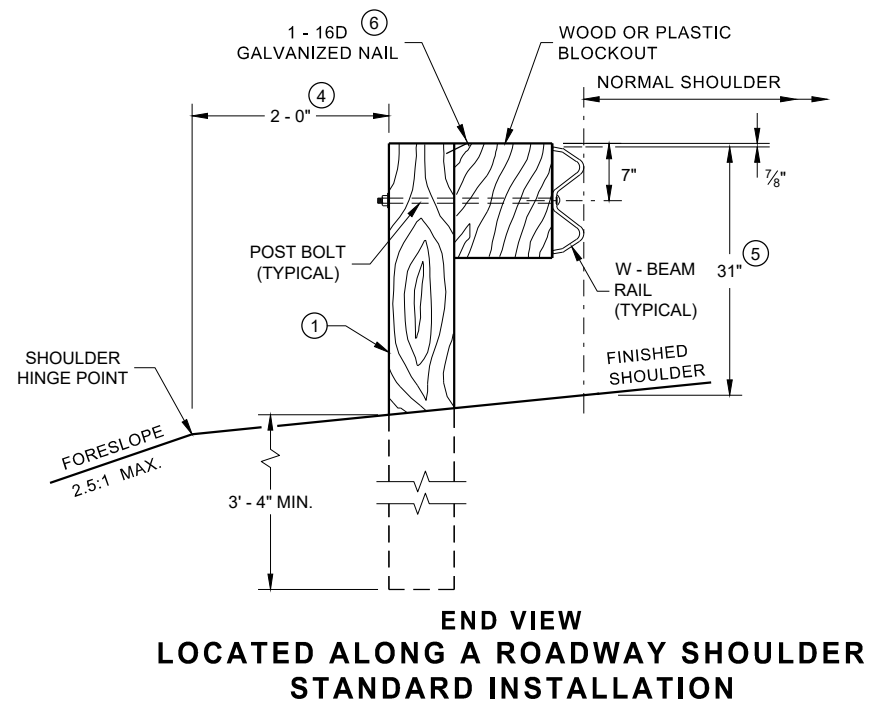
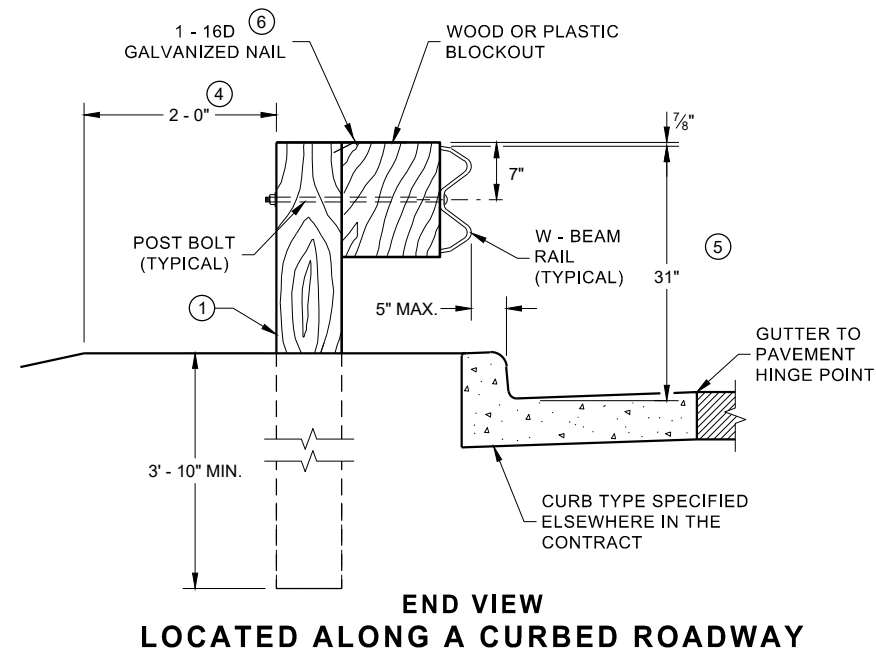
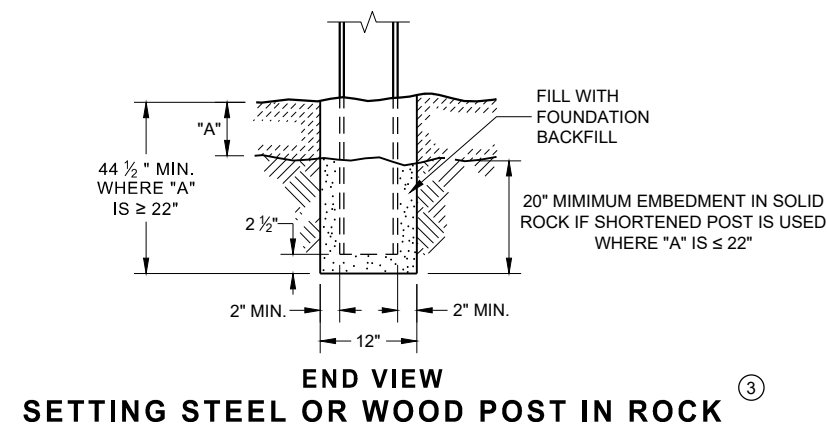
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

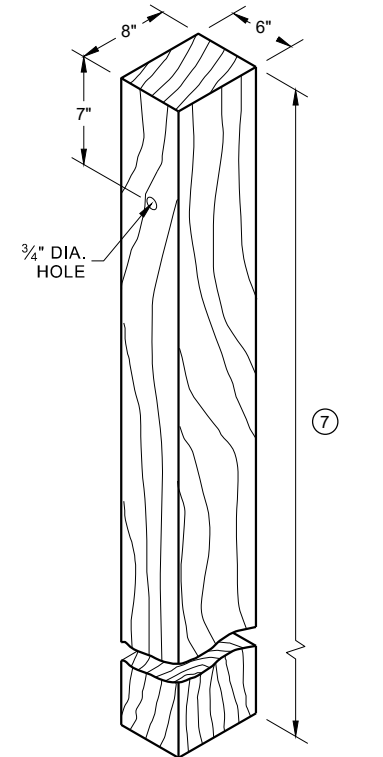
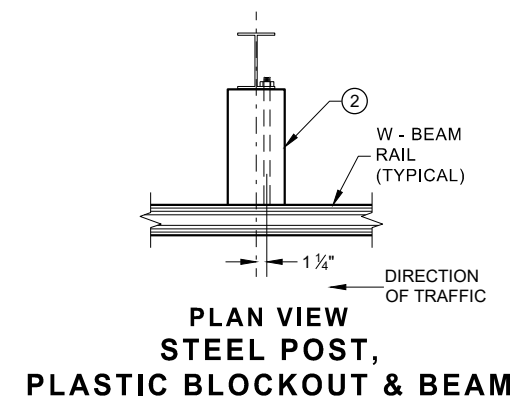
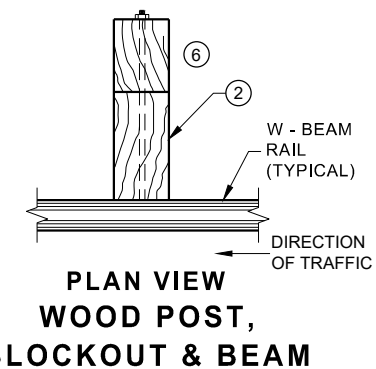
APPROVED
November 2020 /S/ Steven Hefel
DATE HMA PAVEMENT ENGIN 124

FHWA

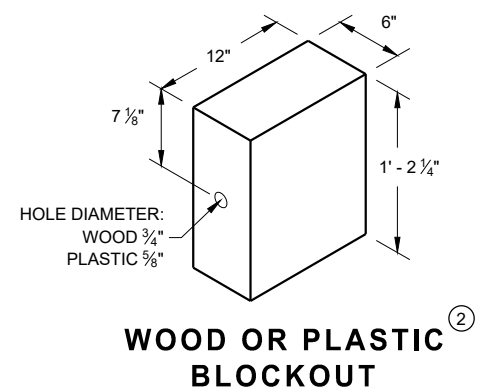
- ① WOOD OR STEEL POSTS (w6X9 OR w6X8.5) MAY BE USED. DO NOT INTERMIX WOOD AND STEEL POSTS. INSTALL STEEL POSTS WITH HOLES ON APPROACHING TRAFFIC SIDE.
- ② USE WOOD OR APPROVED PLASTIC BLOCKOUTS. WOOD BLOCKOUTS MAY BE CONSTRUCTED OUT OF TWO OR MORE WOOD BLOCKOUTS. SEE ALTERNATE WOOD BLOCKOUT DETAIL. DIMENSIONS OF APPROVED PLASTIC BLOCKOUTS MAY VARY.
- ③ IF ROCK IS ENCOUNTERED DURING EXCAVATION, PROVIDE A HOLE 12 INCHES IN DIAMETER EXTENDING 20 INCHES DEEP INTO THE ROCK. PLACE APPROXIMATELY 2 1/2" INCHES OF GRANULAR MATERIAL IN THE BOTTOM OF THE HOLE. CUT THE POSTS THE TO LENGTH AND INSTALL. BACKFILL WITH EXCAVATED MATERIAL AND COMPACT. BACKFILL IS TO BE FREE OF LARGE ROCKS.
- ④ WHEN THE DISTANCE FROM BACK OF POST TO SHOULDER HINGE POINT IS LESS THAN 2 FEET INSTALL LONGER POST AT HALF POST SPACING (K).
- ⑤ FOR NEW MGS INSTALLATION TOP OF W-BEAM RAIL TOLERANCE IS $\pm 1"$. FOR EXISTING MGS INSTALLATION TOP OF W-BEAM IS BETWEEN 27 3/4" TO 32".
- ⑥ WHEN USING STEEL POST AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.
- ⑦ TOTAL POST LENGTH FOR TYPE K IS 7' - 0".
TOTAL POST LENGTH FOR OTHER MGS TYPES IS 6' - 0".

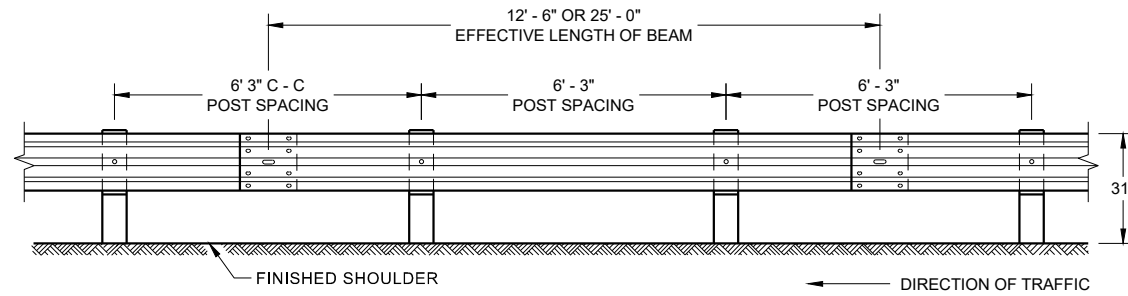


**STEEL POST & HOLE
PUNCHING DETAIL
(W 6 X 9) ①**

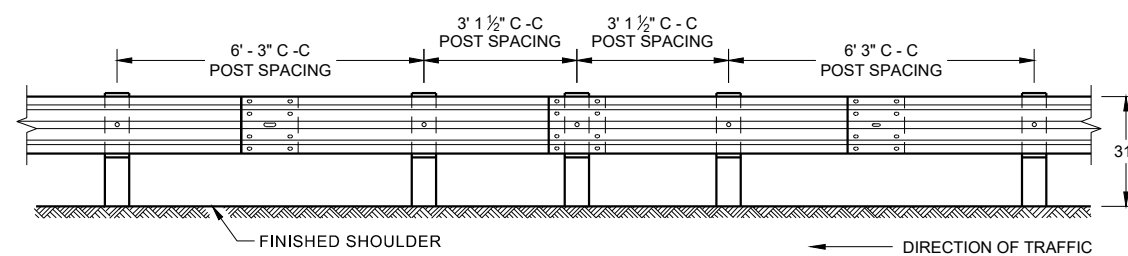


WOOD POST (6" X 8") NOMINAL ⁽¹⁾

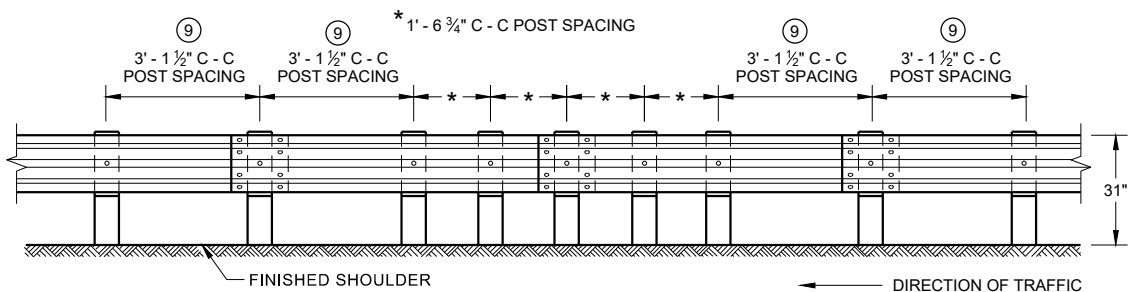




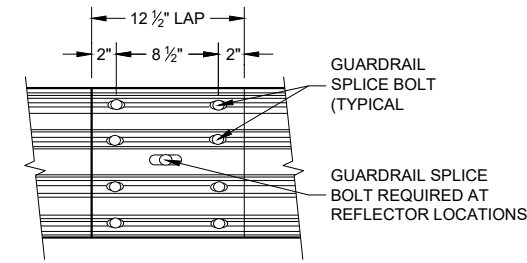
**FRONT VIEW
POST SPACING STANDARD INSTALLATION**



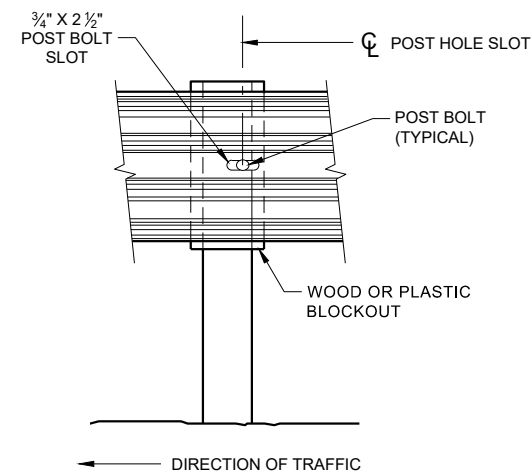
**FRONT VIEW
HALF POST SPACING (HS) AND
HALF POST SPACING WITH LONGER POSTS (K)**



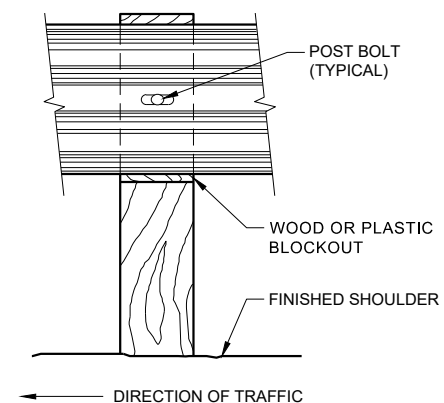
**FRONT VIEW
QUARTER POST SPACING (QS)**



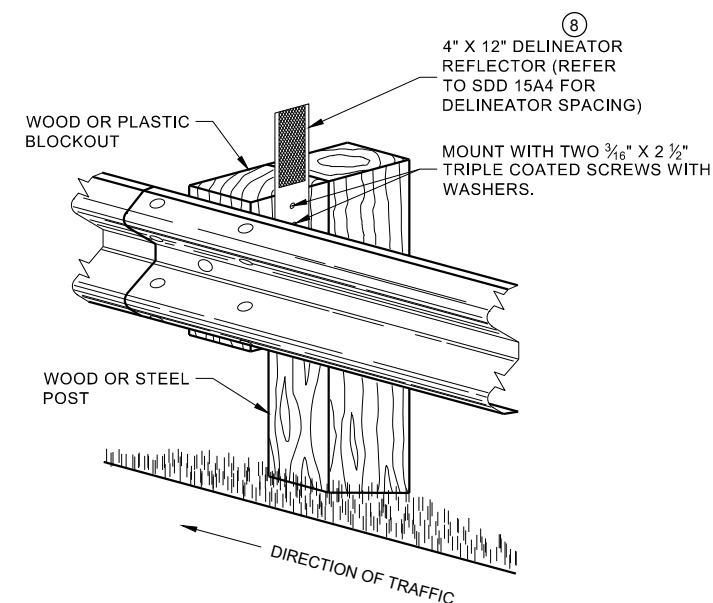
**FRONT VIEW
MID-SPAN BEAM SPLICE**



FRONT VIEW AT STEEL POST



FRONT VIEW AT WOOD POST



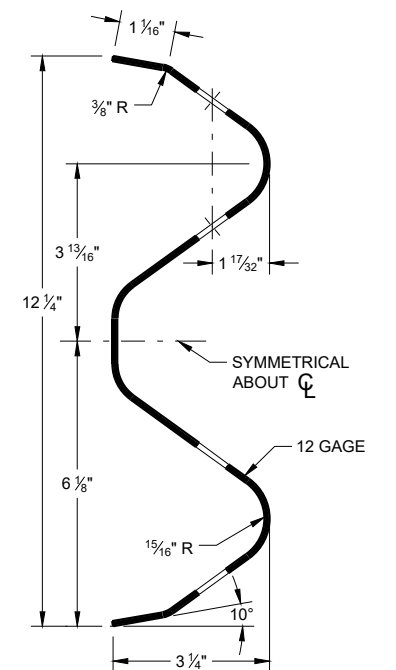
**ONE SIDED REFLECTOR DETAIL
AND TYPICAL INSTALLATION**

GENERAL NOTES

- 8 DO NOT INSTALL REFLECTORS ON THE FIRST 50 FEET OF THE APPROACH END OF THE ENERGY ABSORBING TERMINAL.
- 9 25 FEET OF HALF POST SPACING IS REQUIRED ON APPROACH AND DEPARTURE ENDS OF QUARTER POST SPACING.

POST BOLTS ARE A 3/8" DIAMETER ASTM A307 GUARDRAIL BOLT. A POST BOLT REQUIRES 3/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT AND 3/8" DIAMETER F844 FLAT WASHER. POST BOLTS MAY BE LONGER IF MULTIPLE BLOCKOUTS ARE BEING USED.

GUARD RAIL SPLICE BOLTS ARE A 3/8" DIAMETER ASTM A307 GUARDRAIL HEAD BOLT. A GUARDRAIL SPLICE BOLT REQUIRES 3/8" DIAMETER A563A DOUBLE RECESSED (DR) HEAVY HEX NUT.



SECTION THRU W-BEAM RAIL

**MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 126



NOTE:

-

POST BOLT TABLE

ALTERNATE BOLT HEAD



1" X $\frac{1}{16}$ " DEEP
RECESS BOTH SIDES

$\frac{5}{8}$ " - 11 MODIFIED
HEAVY HEX NUT

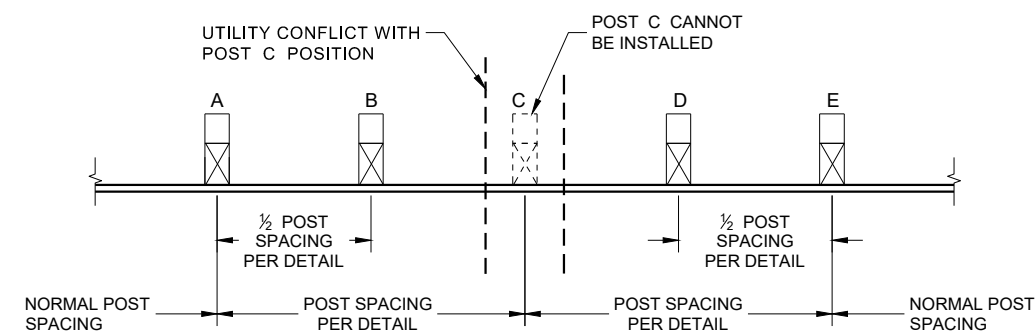
$\frac{1}{16}$ "

1 $\frac{5}{16}$ "

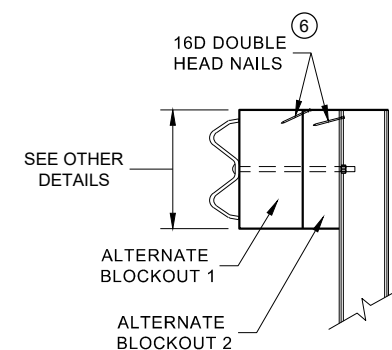
POST BOLT, SPLICE BOLT AND RECESS NUT

-
- The diagram shows a road with a dashed center line and a solid edge line. A vehicle is approaching from the right, indicated by an arrow labeled "DIRECTION OF TRAFFIC". An "OBSTACLE" is shown as a rectangular block with diagonal hatching on the left side of the road. The road surface is represented by a solid line that rises to a speed bump and then falls back to the original level.

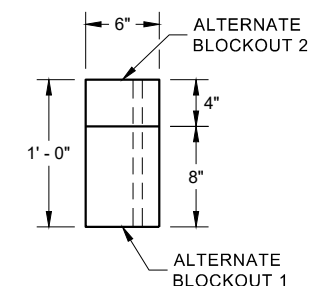
PLAN VIEW
BEAM LAPPING DETAIL



POST DRIVING FOR CONTINUOUS UNDERGROUND OBSTRUCTION



SIDE VIEW

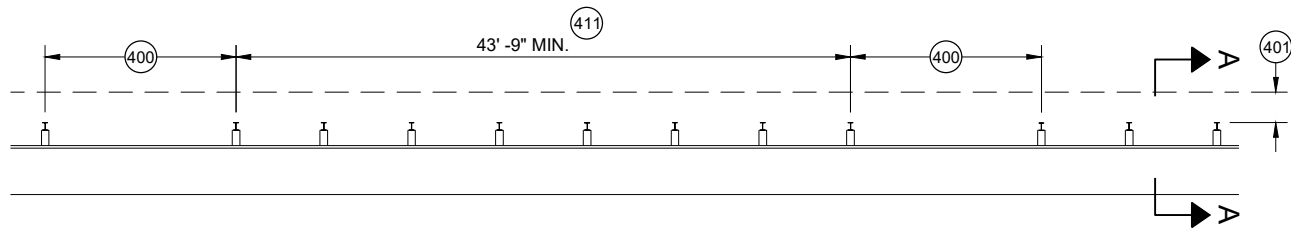


PLAN VIEW

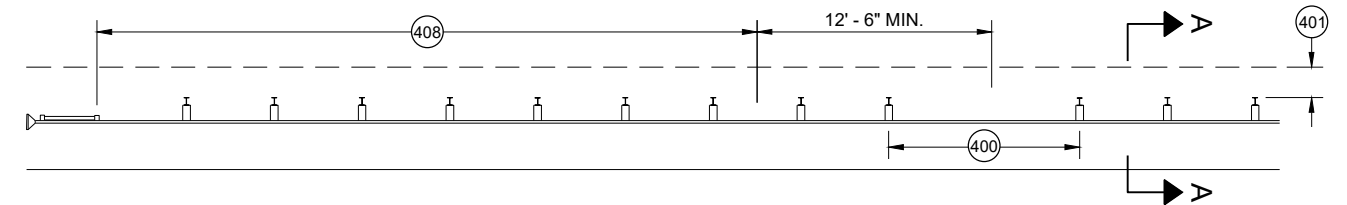
ALTERNATE WOOD BLOCKOUT DETAIL

MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL

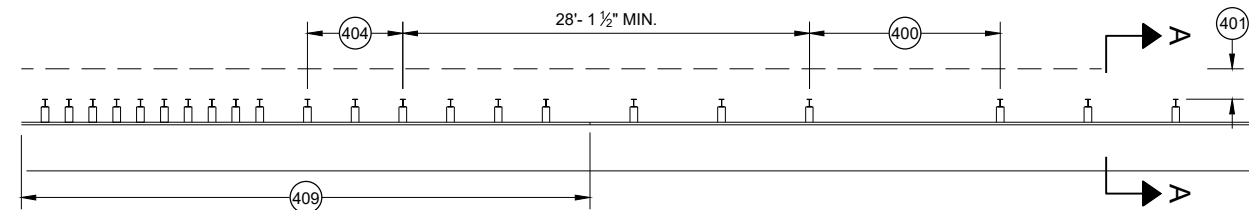
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 127



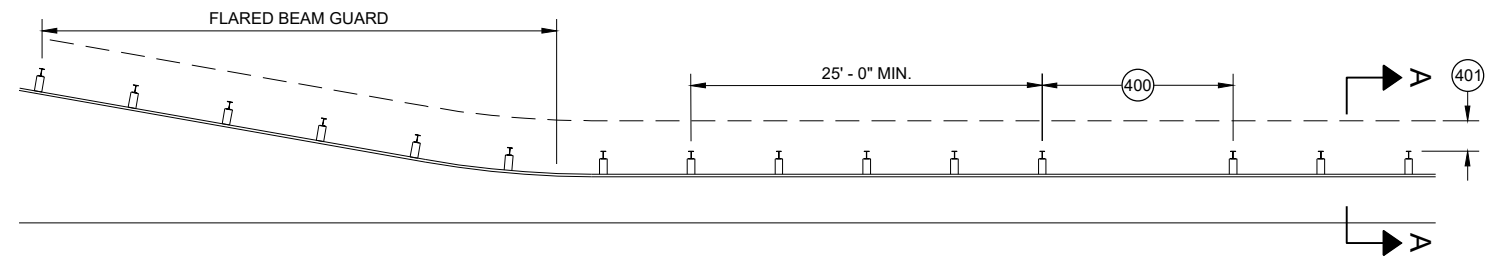
MISSING POST IN MGS GUARDRAIL



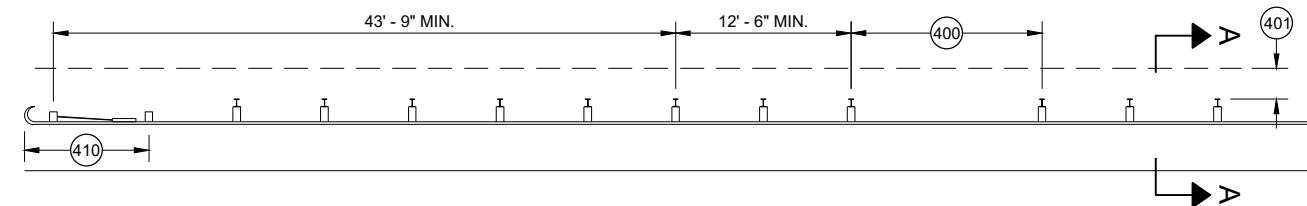
MISSING POST IN MGS GUARDRAIL NEAR EAT



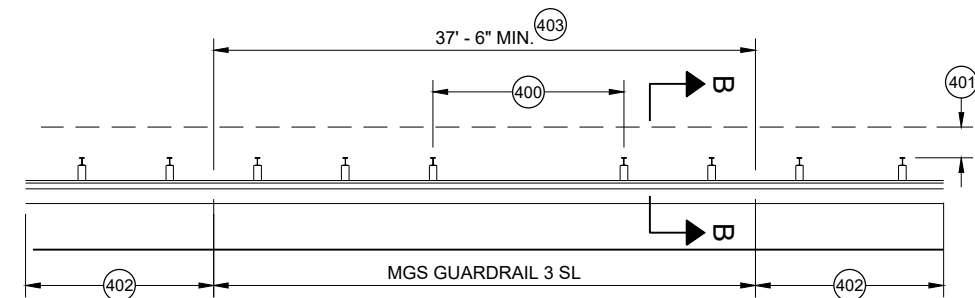
MISSING POST IN MGS GUARDRAIL NEAR AN APPROACH TRANSITION



MISSING POST IN MGS GUARDRAIL NEAR FLARED BEAM GUARD

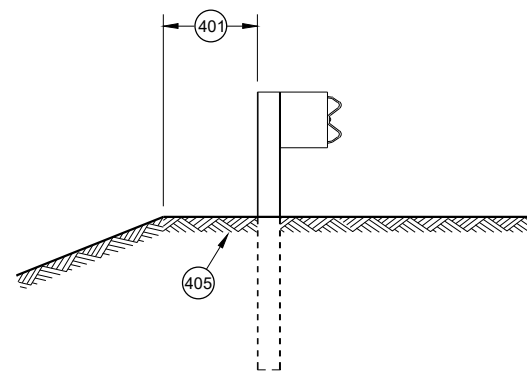


MISSING POST IN MGS GUARDRAIL NEAR A TYPE 2 END TERMINAL

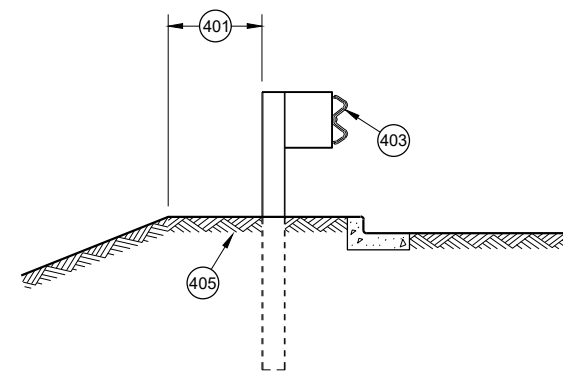


MISSING POST IN SHORT SPAN MGS GUARDRAIL NEAR CURB (SL)

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



SECTION A - A



SECTION B - B

**MIDWEST GUARDRAIL SYSTEM
(MGS) GUARDRAIL**

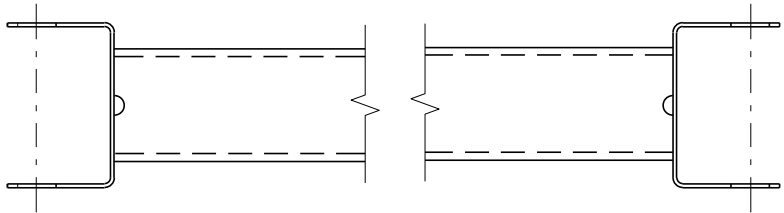
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

FHWA

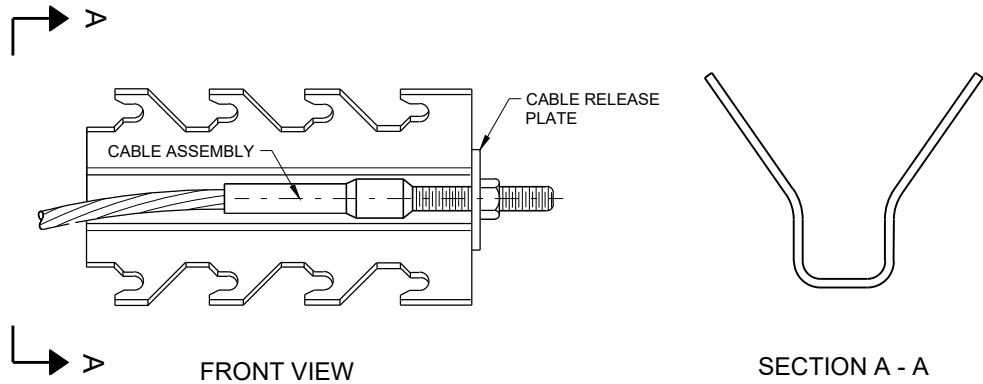
128

SDD14B44 - 04a

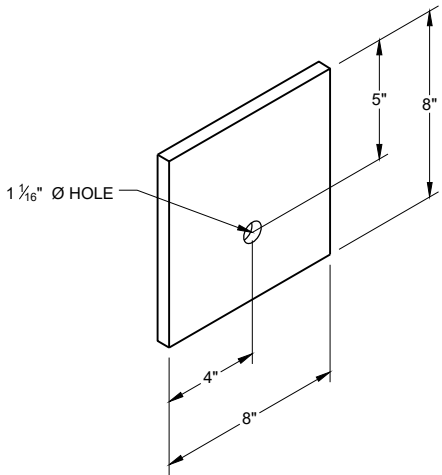


GENERIC GROUND STRUT⁹ ^E

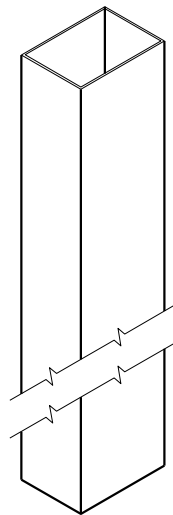
BILL OF MATERIALS	
PART NO.	DESCRIPTION MATERIALS PROVIDED BY MGS EAT MANUFACTURER. SEE MANUFACTURER'S DETAILS FOR MORE INFORMATION.
①	UPPER POST NO. 1 6" X 6" TUBE
②	LOWER POST NO. 1
③	WOOD CRT
④	WOOD BLOCKOUT
⑤	PIPE SLEEVE
⑥	BEARING PLATE
⑦	BCT CABLE ASSEMBLY
⑧	ANCHOR CABLE BOX
⑨	GROUND STRUT
⑩	PERFORATED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



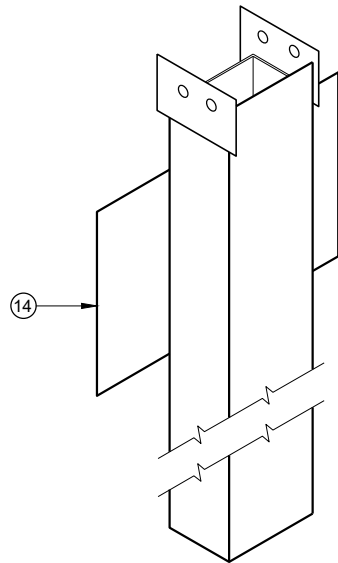
GENERIC ANCHOR CABLE BOX⁹ ^E



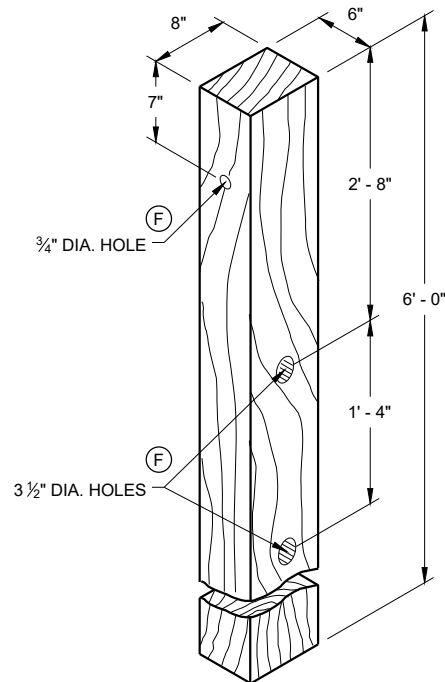
BEARING PLATE⁶ ^E



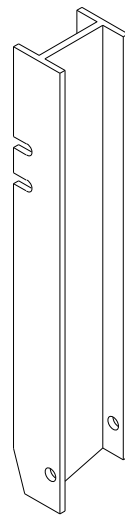
UPPER POST NO. 1 ⁽¹⁾ (E)



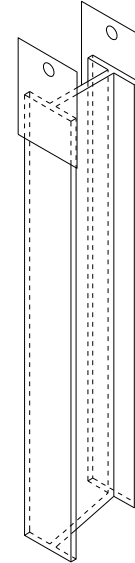
LOWER POST NO. 1 ⁽²⁾ (E)



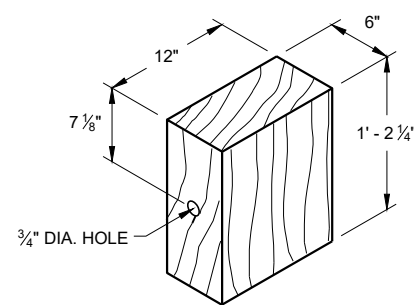
WOOD CRT POST ⁽³⁾ (E)
POSTS NUMBER 3-9



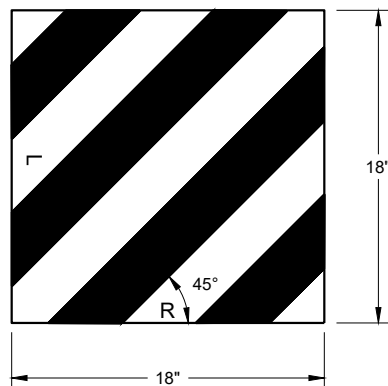
UPPER POST NO. 2 ⁽¹⁵⁾ (E)



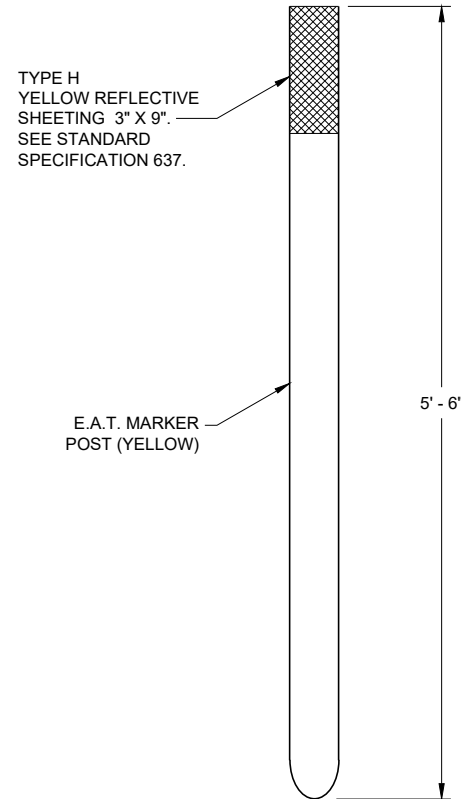
LOWER POST NO. 2 ⁽¹⁶⁾ (E)



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



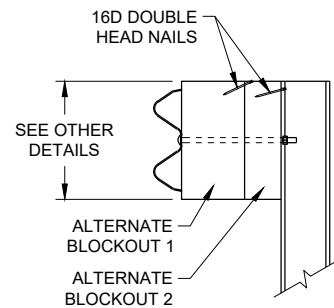
REFLECTIVE SHEETING DETAIL ^(E)



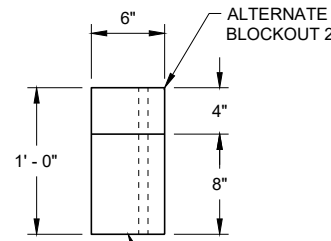
FRONT VIEW

SIDE VIEW

E.A.T. MARKER POST ⁽¹³⁾



SIDE VIEW



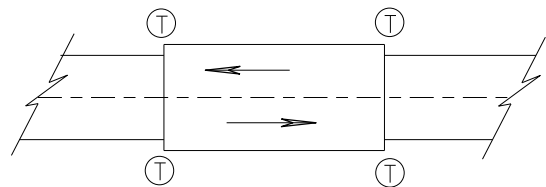
TOP VIEW

ALTERNATE WOOD
BLOCKOUT DETAIL

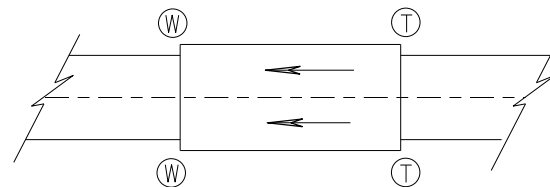
**MIDWEST GUARDRAIL SYSTEM
ENERGY ABSORBING TERMINAL
(MGS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018 DATE /S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA 131



TWO WAY TRAFFIC



ONE WAY TRAFFIC

(T) THRIE BEAM CONNECTION

(W) W-BEAM CONNECTION WHEN REQUIRED

TYPICAL LOCATIONS OF THRIE BEAM AND W-BEAM CONNECTIONS TO BRIDGE

GENERAL NOTES

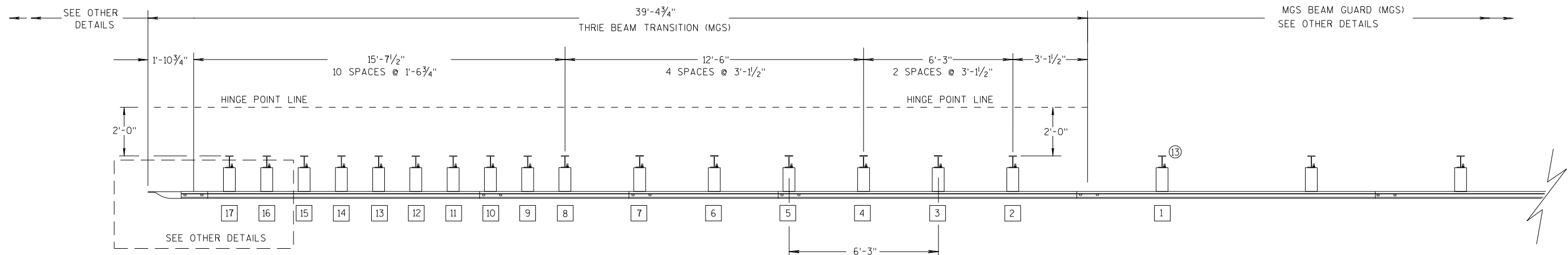
IF ROCK IS ENCOUNTERED, REMOVE ROCK TO FULL DEPTH OF POST PLUS 2 1/2", AND 12" DIAMETER AROUND POST. SEE 14B42 FOR MORE DETAILS.

TRANSITION USES STEEL POSTS ONLY.

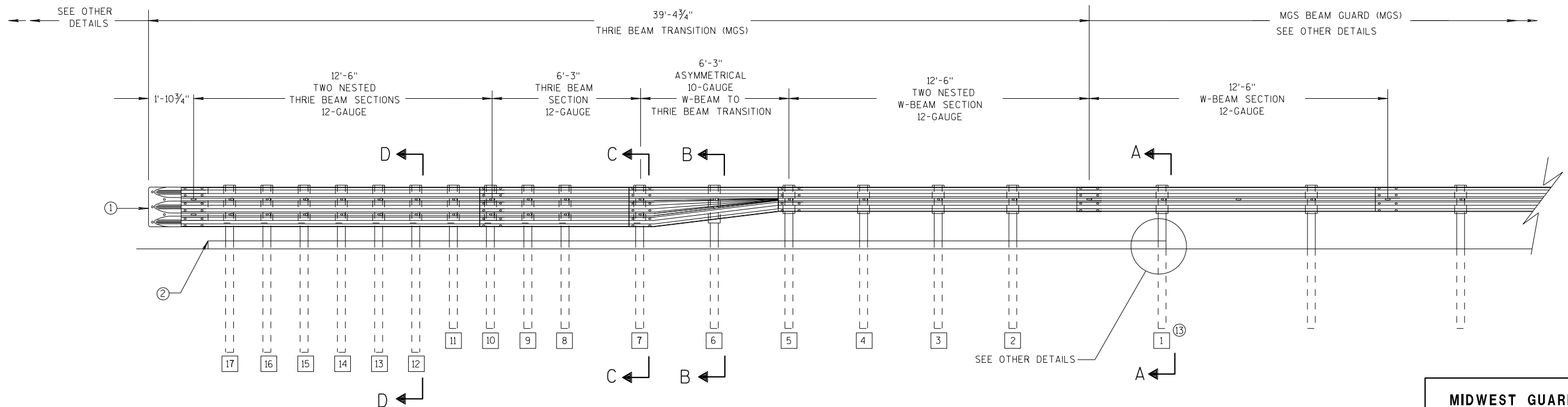
SEE STANDARD DETAIL DRAWING 14 B 42 FOR MORE INFORMATION.

POST 2 THROUGH 17 USES STEEL POST ONLY

- ① BRIDGE RAILING TYPE "W" DOES NOT REQUIRE A TERMINAL CONNECTOR.
- ② OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- ⑬ STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD14B42



PLAN VIEW



ELEVATION VIEW

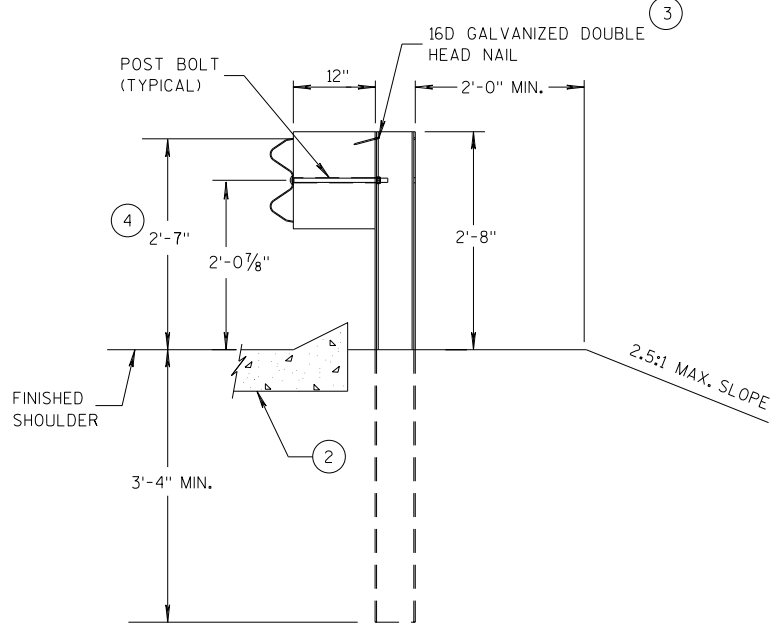
MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION

**MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)**

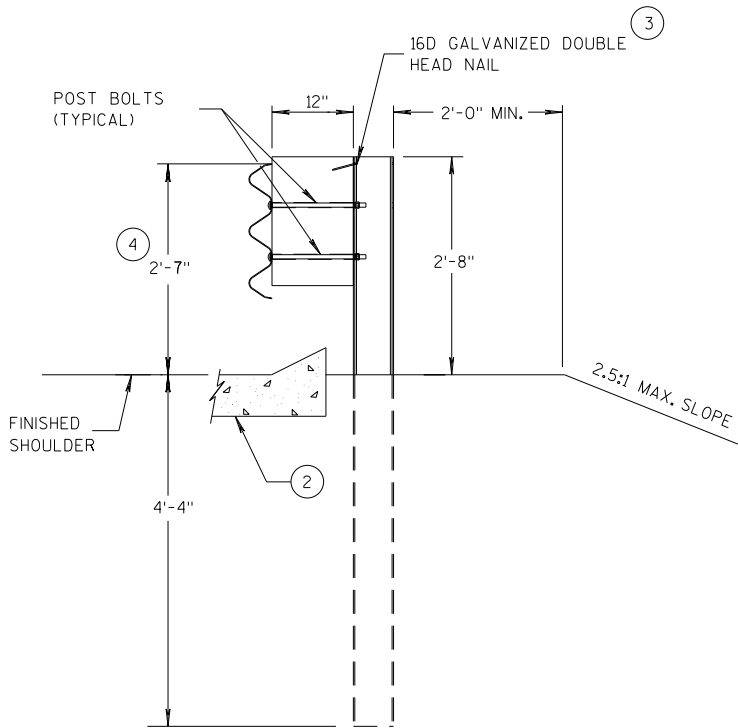
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 132

GENERAL NOTES

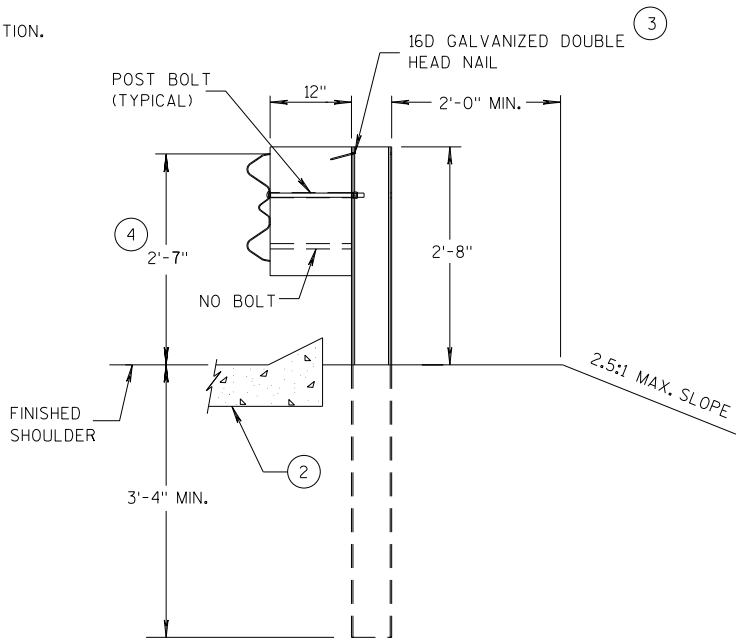
- 2 OPTIONAL CURB AND GUTTER OR DRAINAGE FEATURE SEE PLAN FOR INFORMATION.
- 3 WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 10D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.
- 4 TOLERANCE FOR TOP OF W-BEAM RAIL IS $\pm 1"$.
- 13 STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42



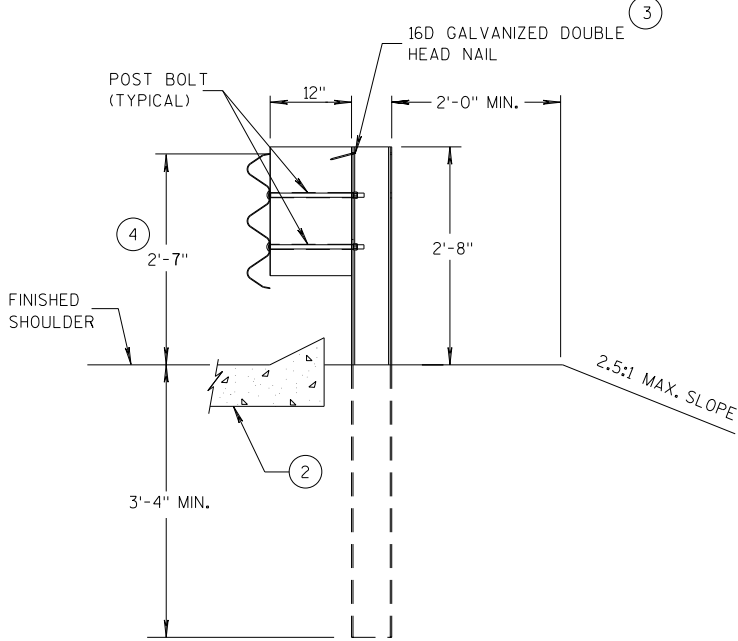
SECTION A-A
POSTS 1-5



SECTION D-D
POSTS 12-17



SECTION B-B
POST 6



SECTION C-C
POSTS 7-11

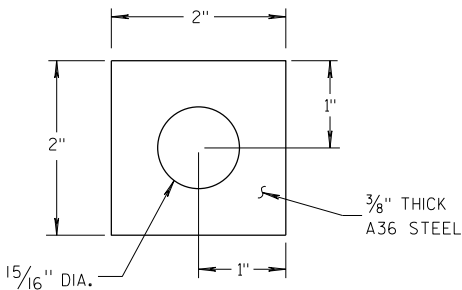
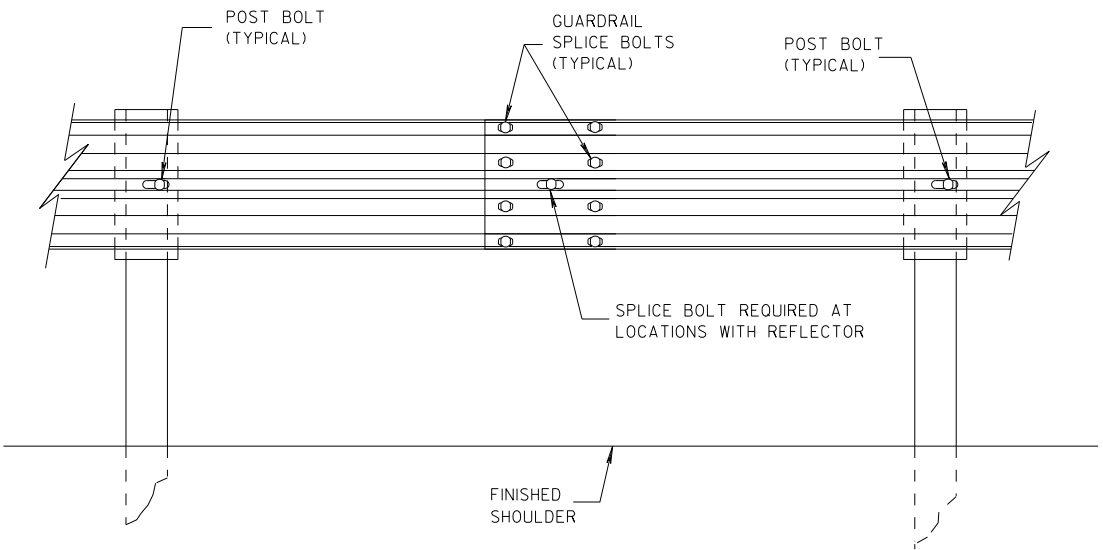
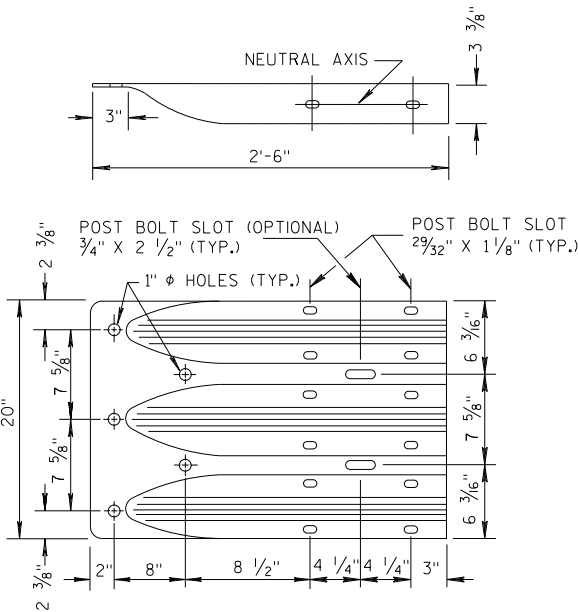


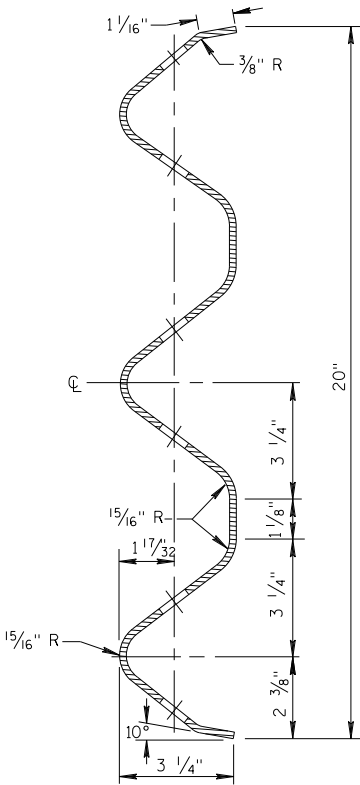
PLATE WASHER DETAIL



SPLICE DETAIL



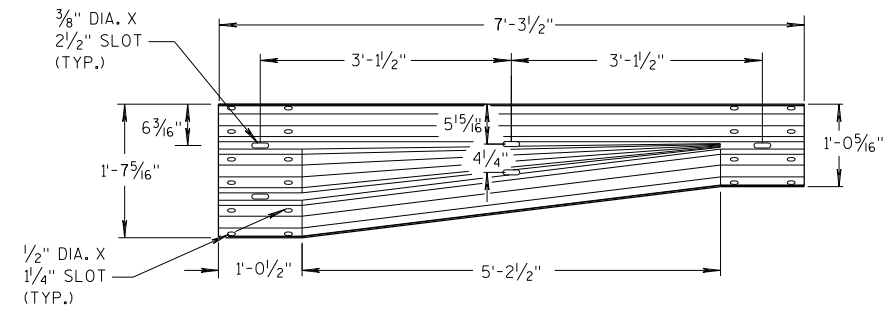
THRIE BEAM
TERMINAL CONNECTOR



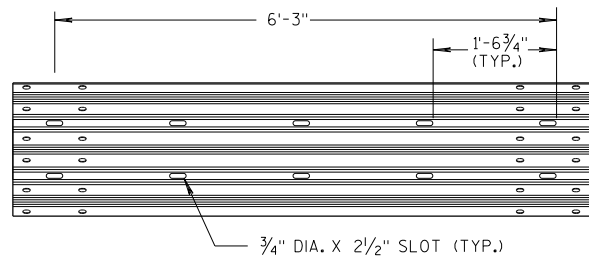
SECTION THRU THRIE
BEAM RAIL ELEMENT

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

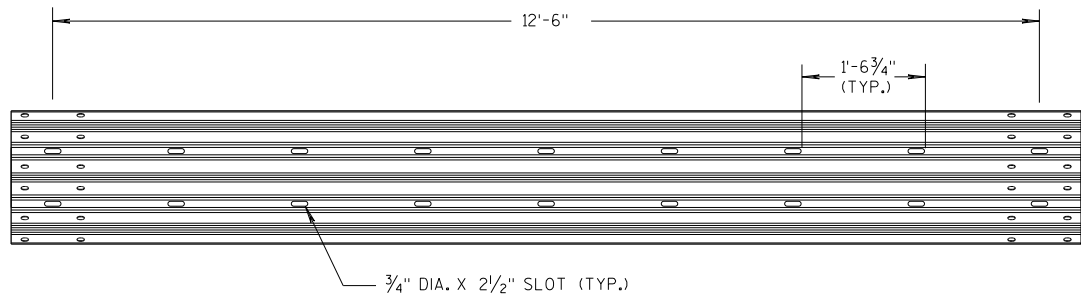
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



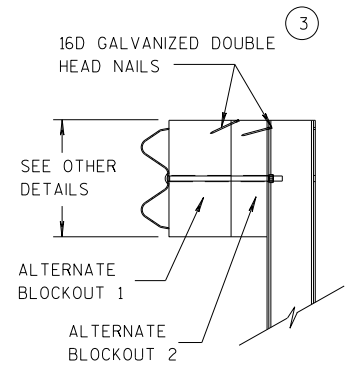
W-BEAM TO THRIE BEAM TRANSITION SECTION



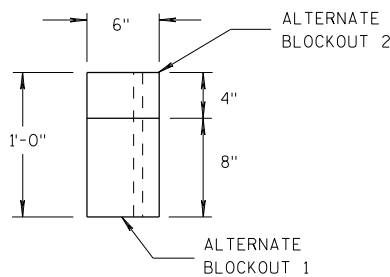
6'-3" THRIE BEAM SECTION



12'-6" THRIE BEAM SECTION

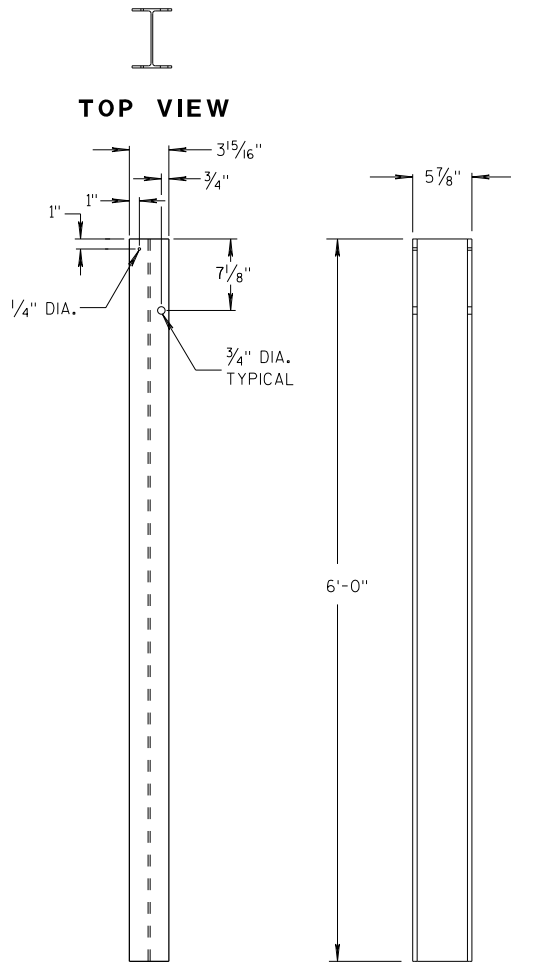


SIDE VIEW



TOP VIEW

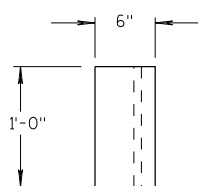
ALTERNATE WOOD BLOCKOUT DETAIL



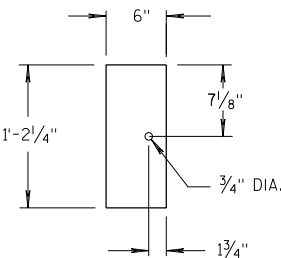
FRONT VIEW

SIDE VIEW

STEEL POSTS 1-5

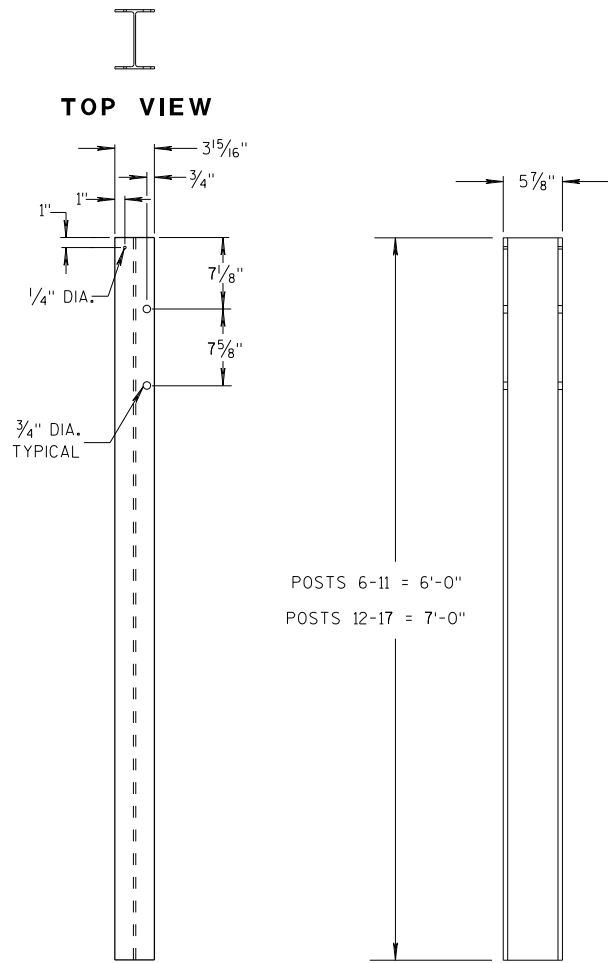


TOP VIEW



FRONT VIEW

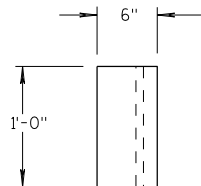
BLOCKOUT POSTS 1-5



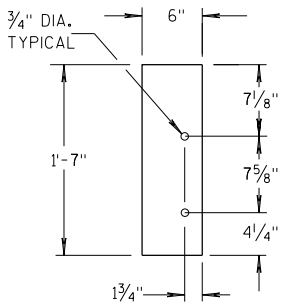
FRONT VIEW

SIDE VIEW

STEEL POSTS 6-17



TOP VIEW



FRONT VIEW

BLOCKOUT POSTS 6-17

GENERAL NOTES

STEEL POSTS ARE W6X9 OR W6X8.5.

BOLT HOLES FOR POST ARE ON FRONT AND OF SIDE OF POST.

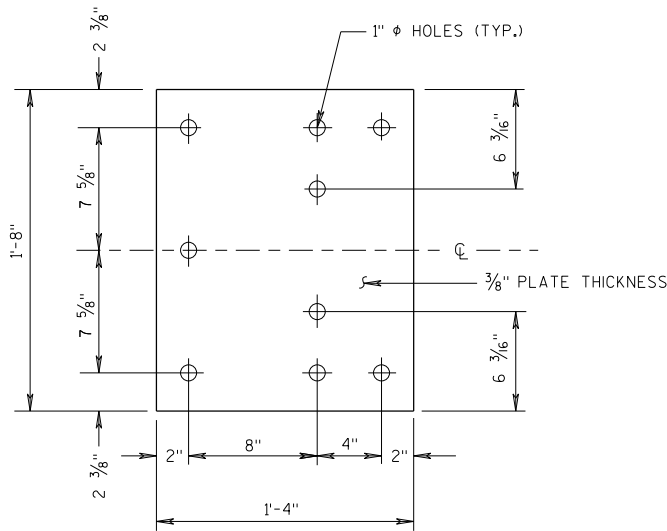
③ WHEN USING STEEL POSTS AND WOOD BLOCKOUTS INSTALL FOUR 16D GALVANIZED NAILS. INSTALL NAILS AT THE BACK CORNERS OF THE BLOCK AND BEND THE NAILS OVER THE FLANGE OF THE STEEL POST.

⑤ WOOD BLOCKS MAY BE CONSTRUCTED OUT OF 2 WOOD BLOCKS. SEE ALTERNATE WOOD BLOCK DETAIL.

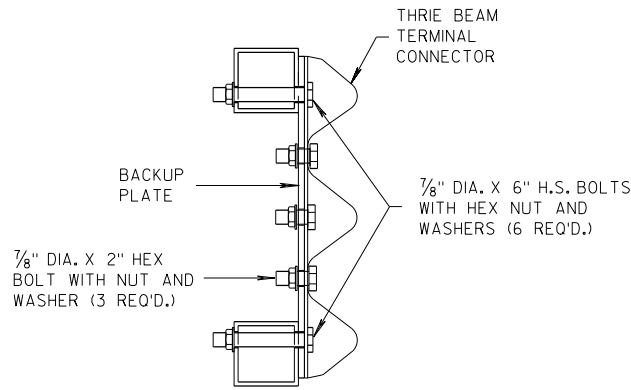
⑬ STEEL OR WOOD POST IS ACCEPTABLE AT POST 1. SEE SDD 14B42.

MIDWEST GUARDRAIL SYSTEM
THRIE BEAM TRANSITION (MGS)

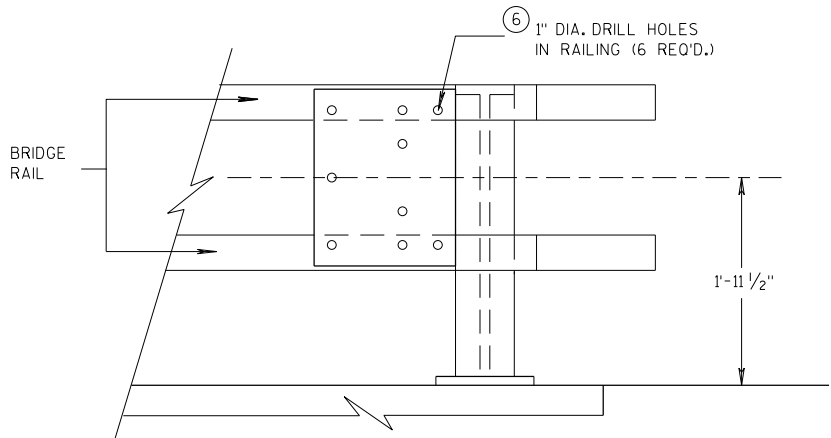
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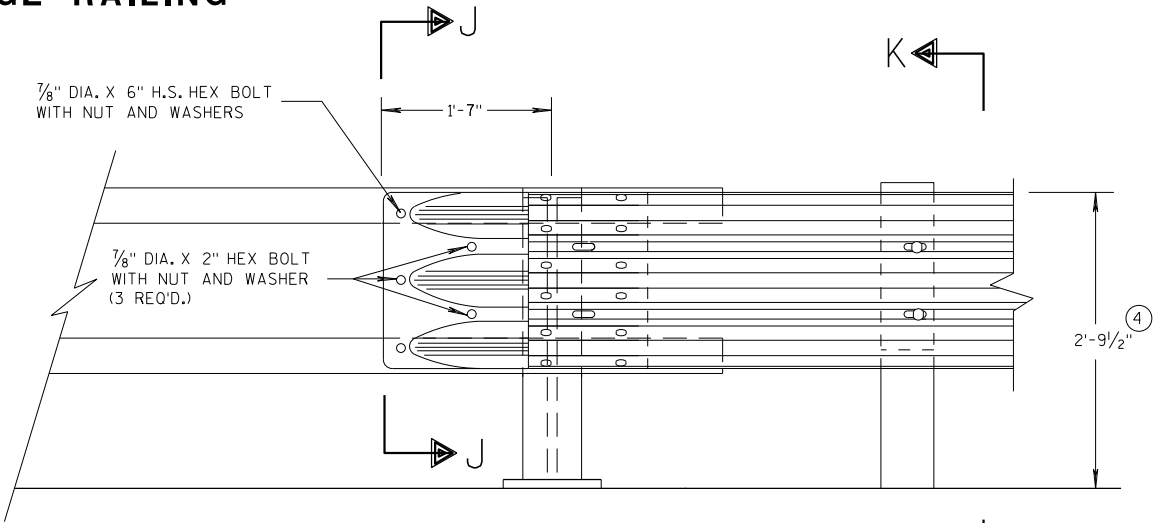
BACK-UP PLATE DETAIL



SECTION J-J

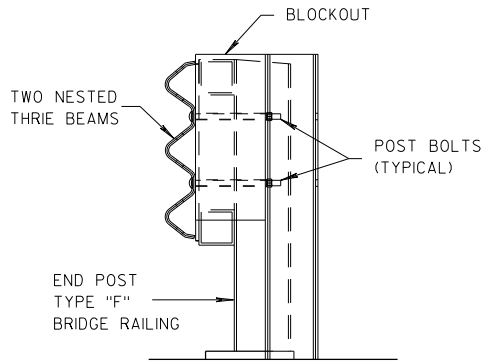


BACK-UP PLATE MOUNTING ONTO BRIDGE RAILING



FRONT VIEW

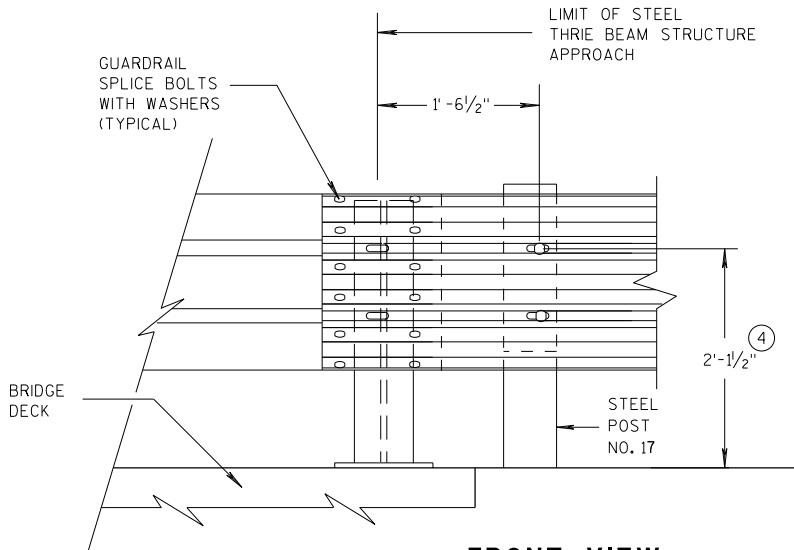
THRIE BEAM CONNECTION TO TUBULAR RAILING TYPE "F"



SECTION K-K

GENERAL NOTES

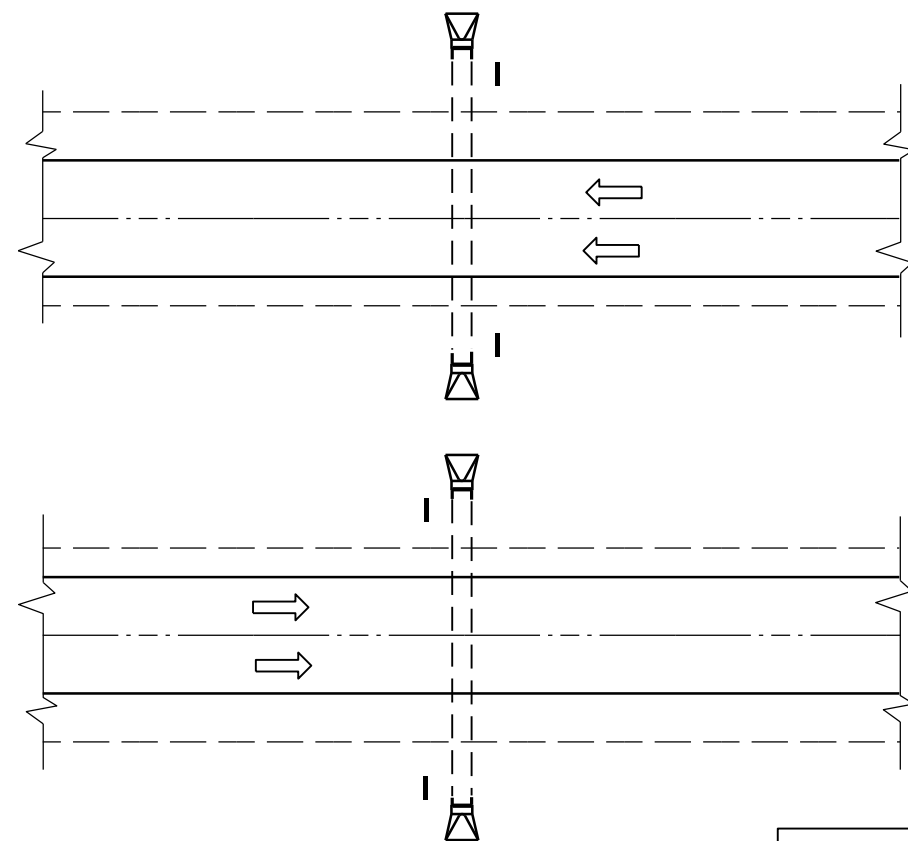
- ④ TOLERANCE FOR TOP OF BEAM IS $\pm 1"$.
- ⑥ DRILLING HOLES THROUGH THE PAPER, BOLTS, NUTS, WASHERS AND REPAIRING DAMAGED CONCRETE ARE INCIDENTAL TO THE CONTRACT.



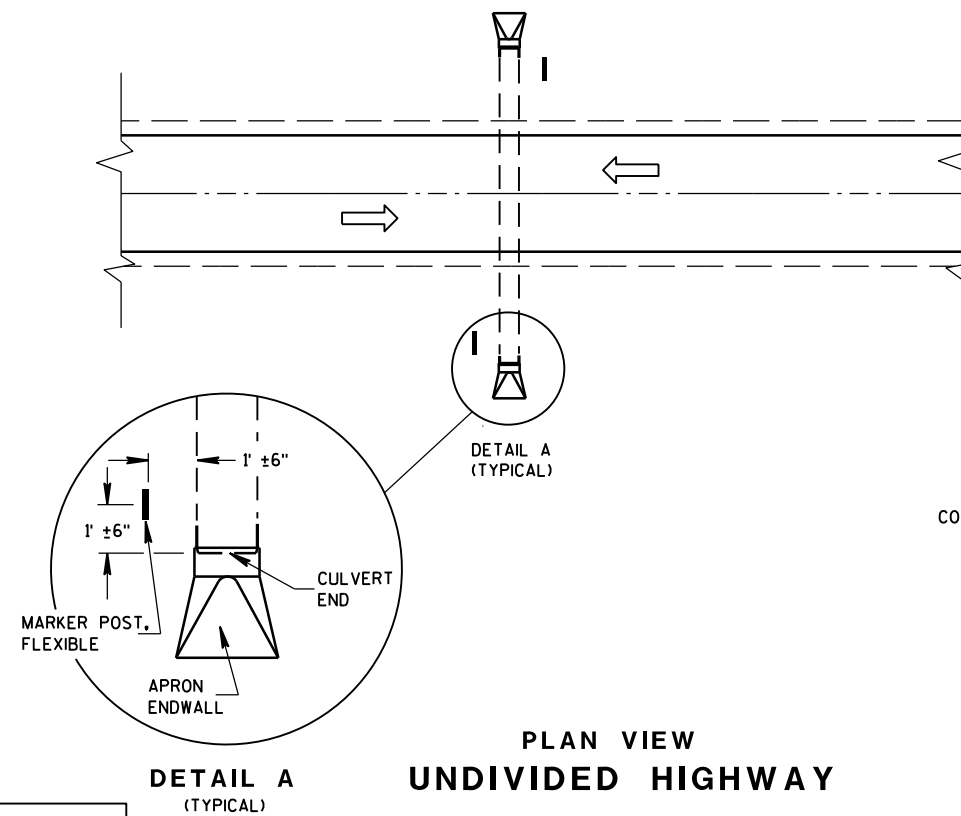
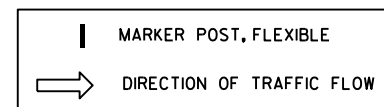
FRONT VIEW

THRIE BEAM CONNECTION TO STEEL RAILING TYPE "W"

MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)		
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION		
APPROVED 07/2018 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR	135
FHWA		



PLAN VIEW
DIVIDED HIGHWAY

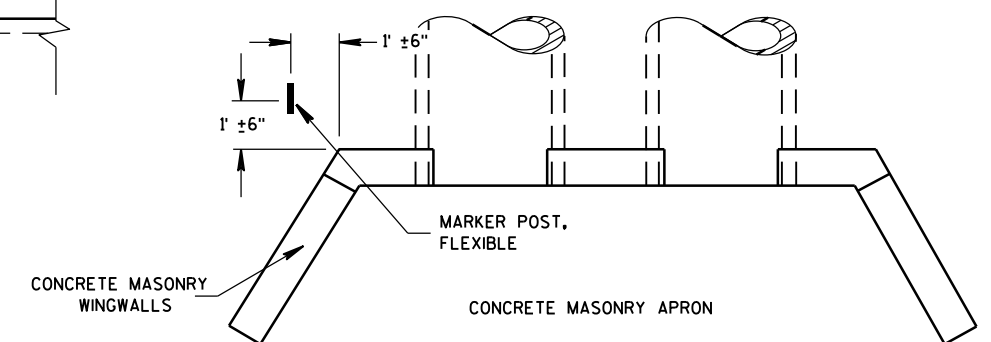


PLAN VIEW
UNDIVIDED HIGHWAY

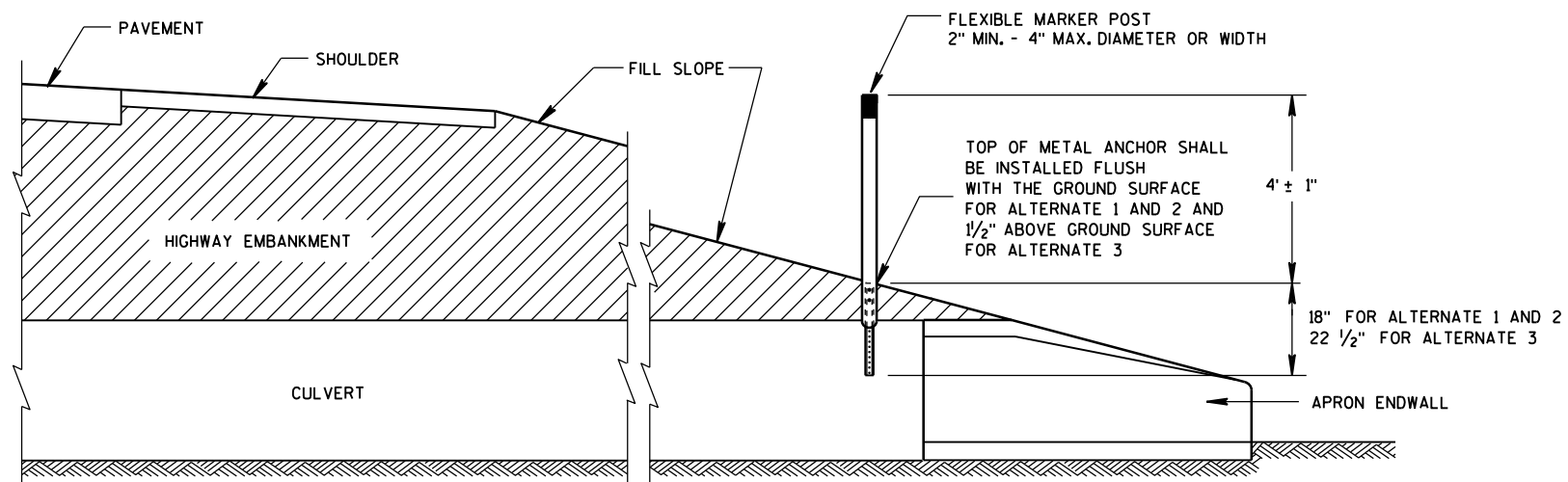
FLEXIBLE MARKER POST LOCATION

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.



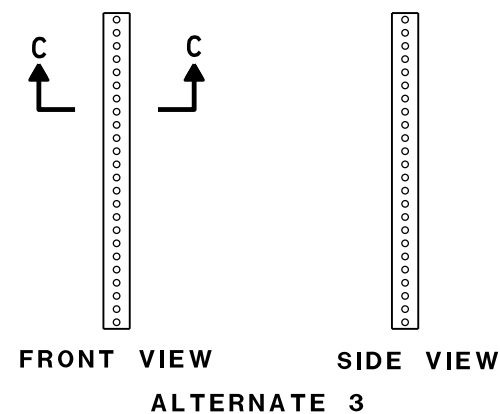
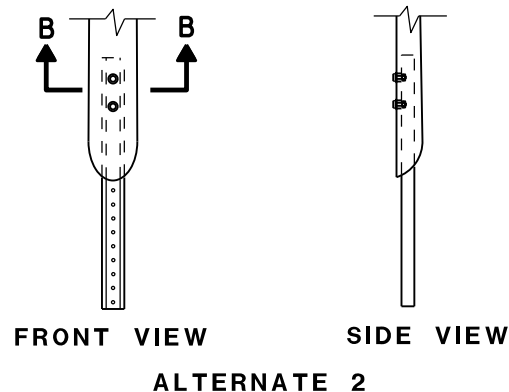
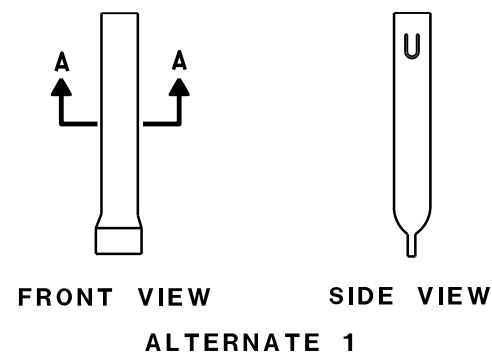
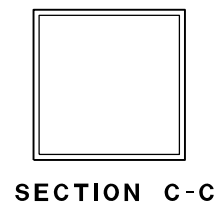
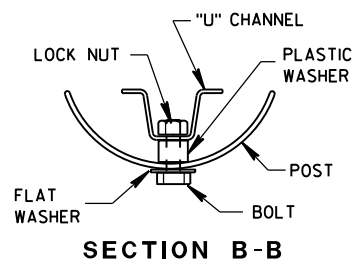
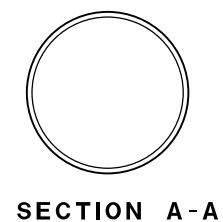
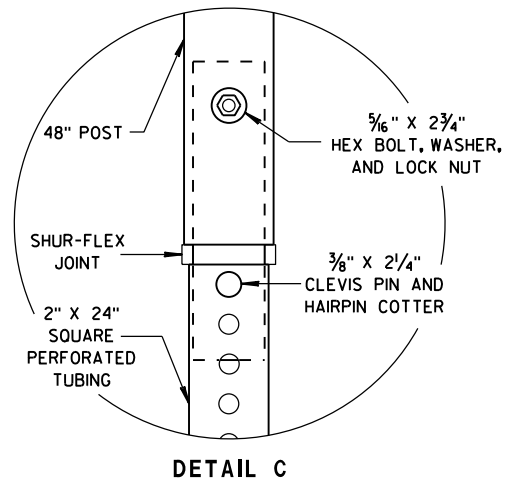
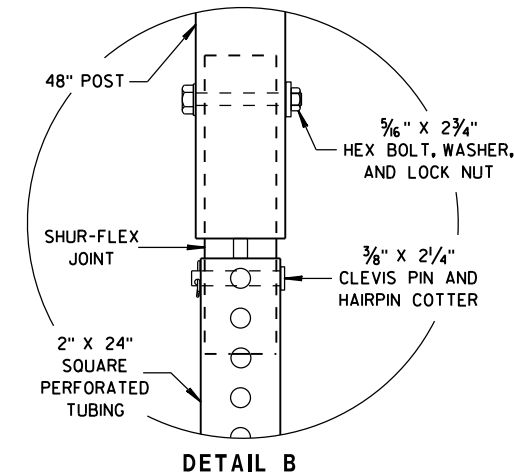
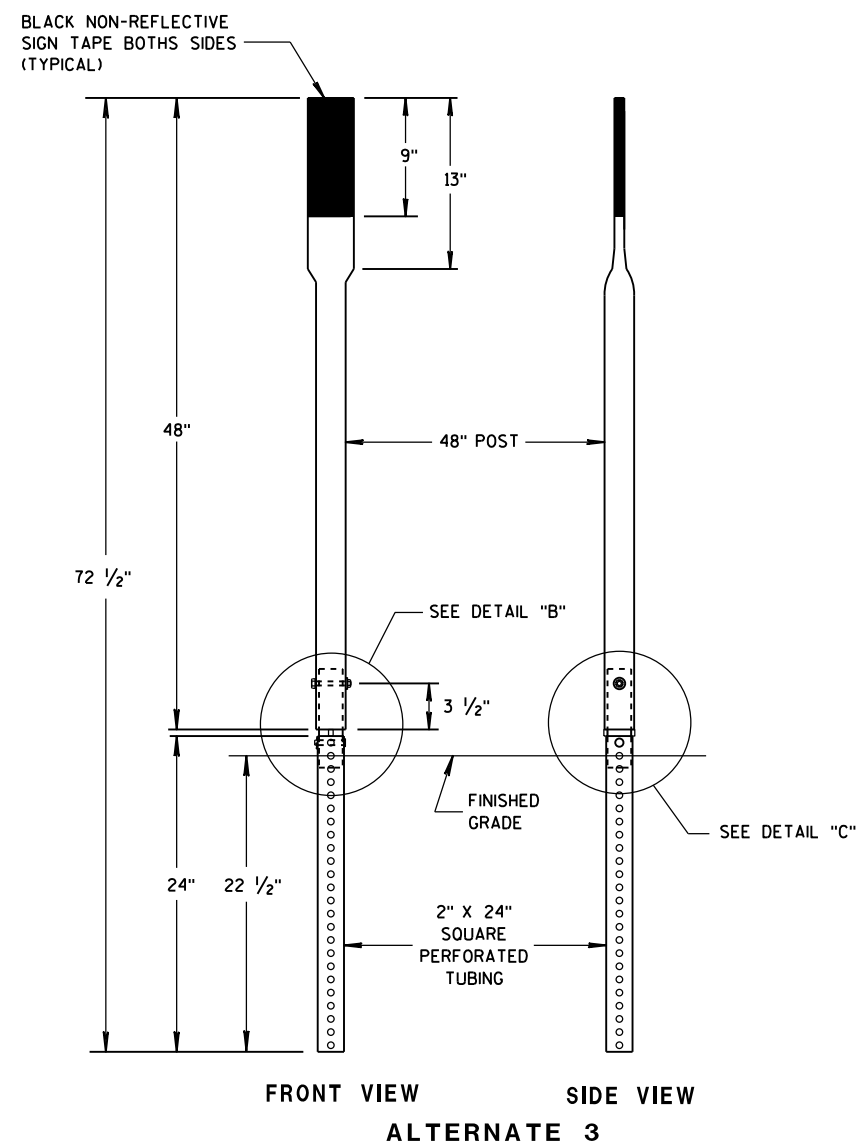
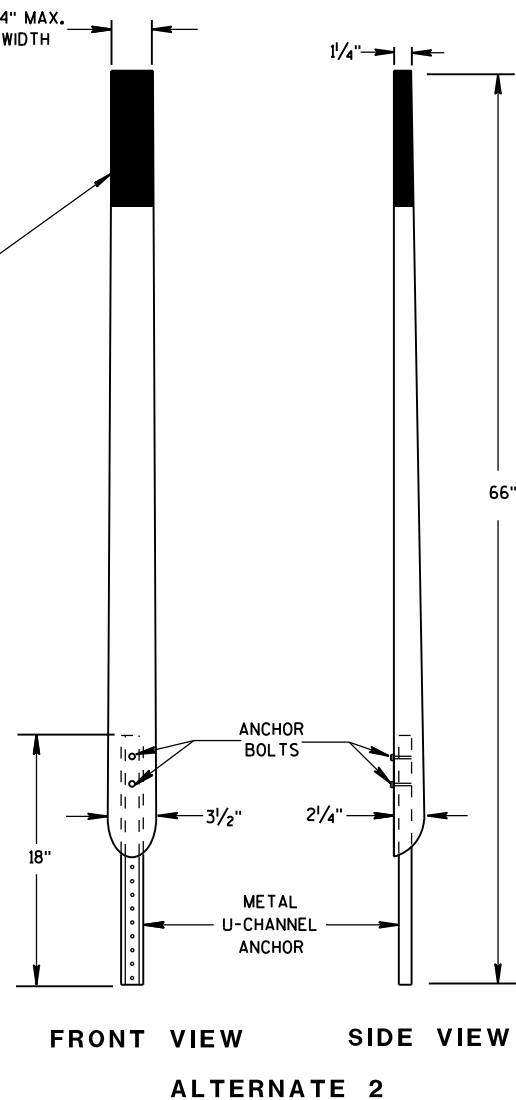
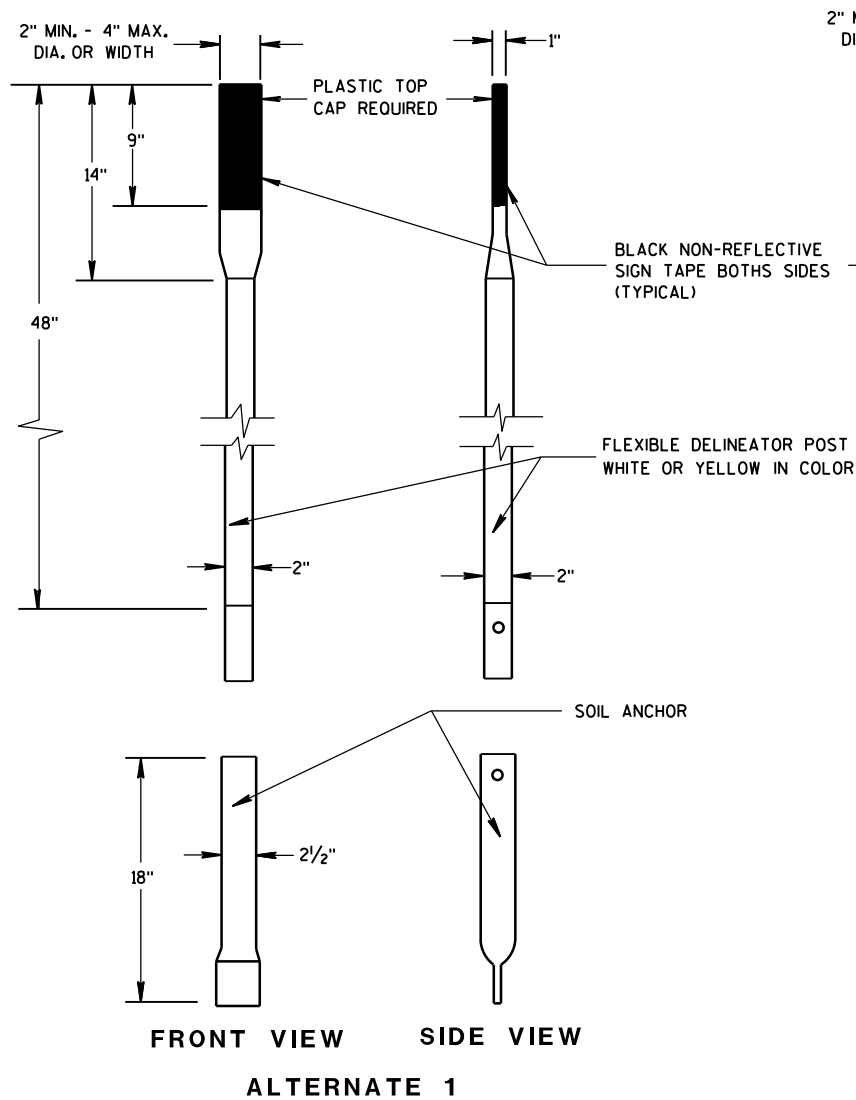
PLAN VIEW
CONCRETE MASONRY ENDWALLS FOR
CULVERT PIPE AND PIPE ARCH



CROSS SECTION
FLEXIBLE MARKER POST

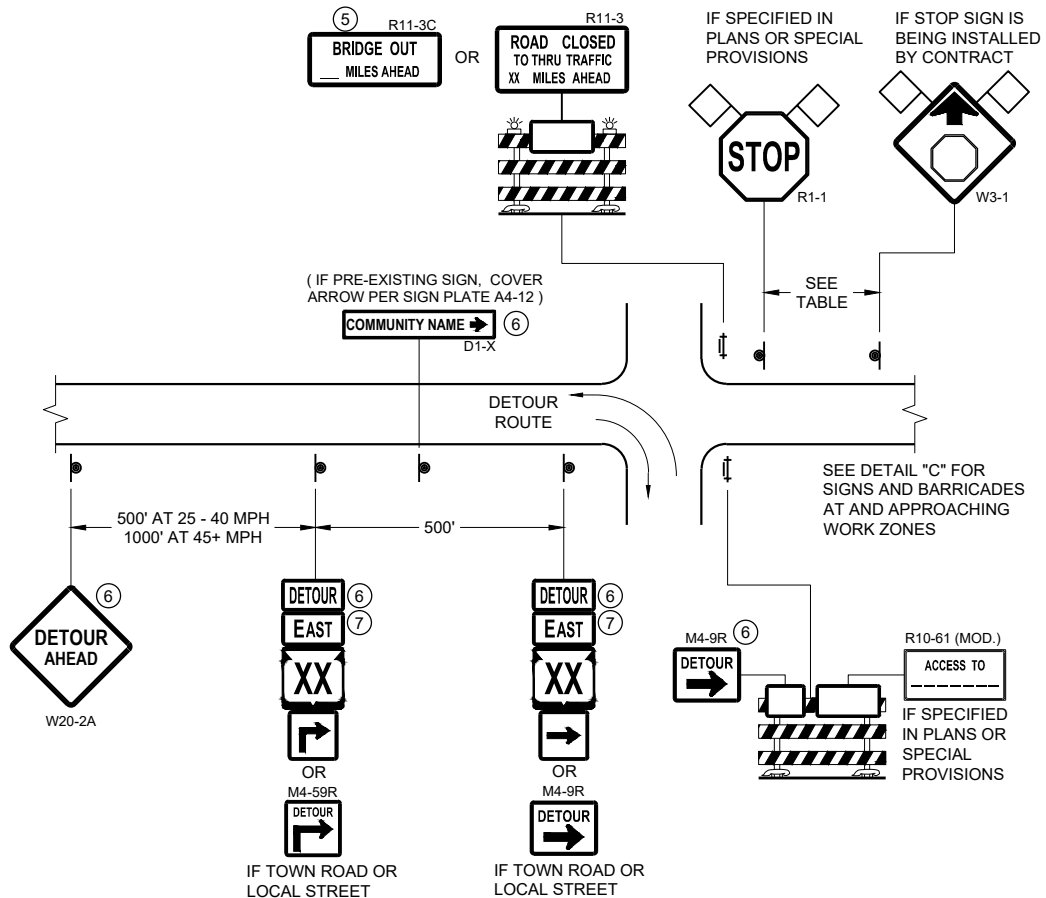
FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
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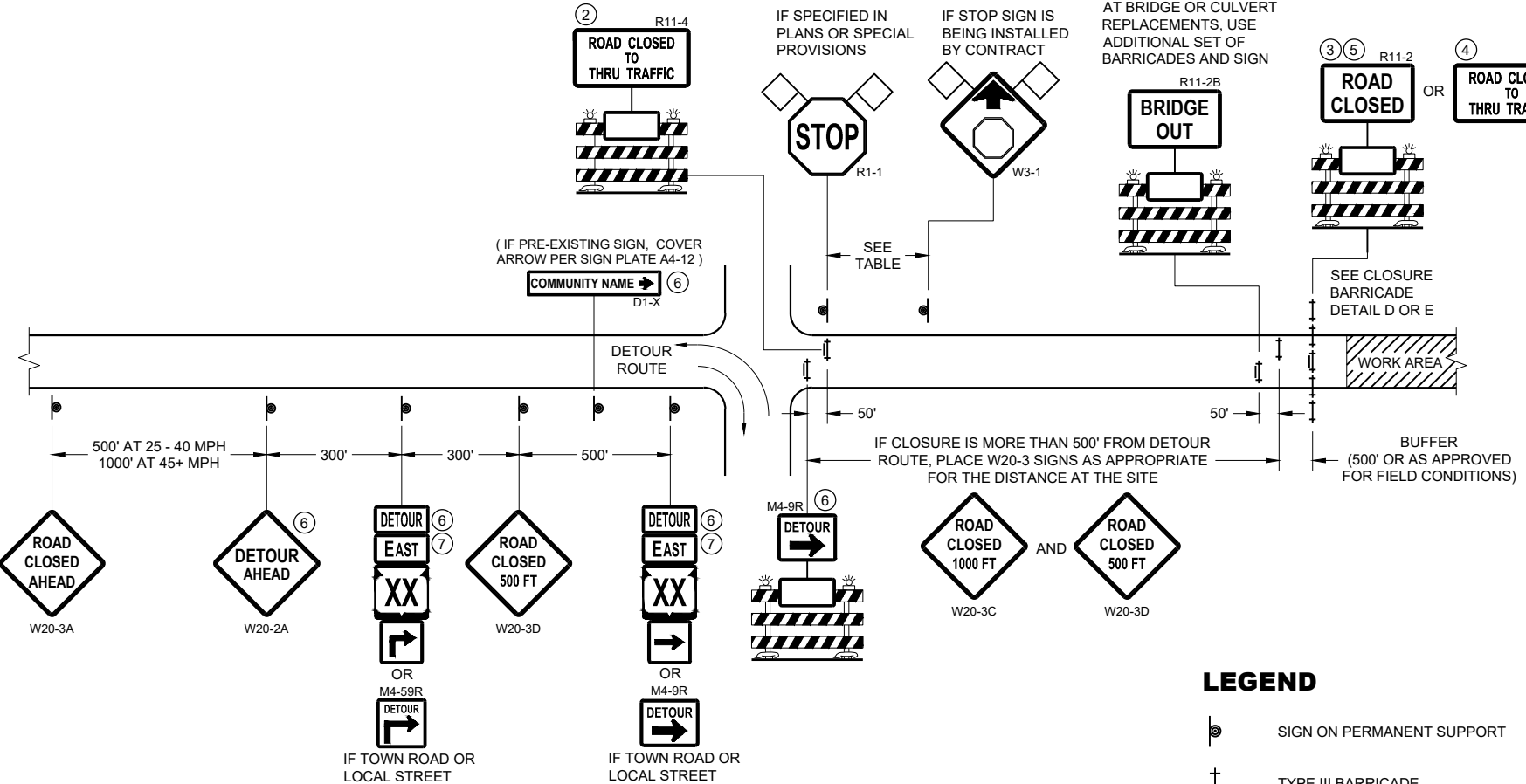


FLEXIBLE MARKER POST ANCHORS

FLEXIBLE MARKER POST FOR CULVERT END	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 10/1/2012 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER 137 IGN
FHWA	



DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM
DETOUR ROUTE (1000 FEET IF URBAN)



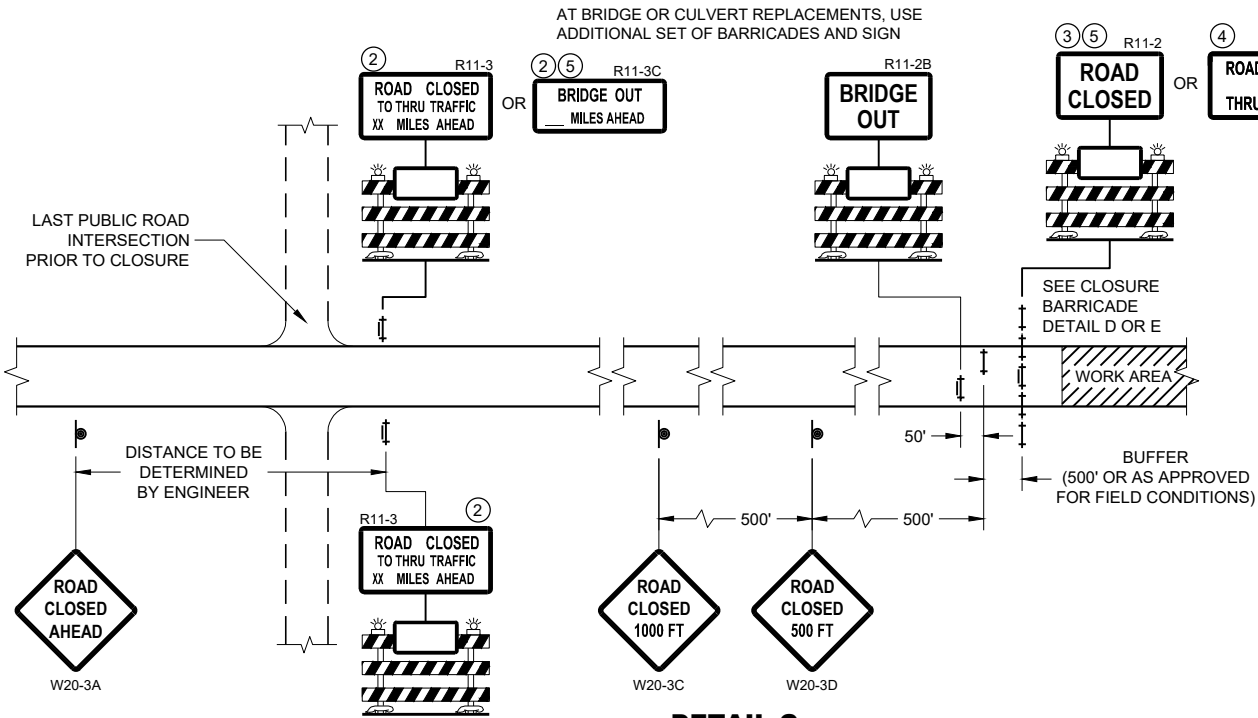
DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM
DETOUR ROUTE (1000 FEET IF URBAN)

- LEGEND**
- SIGN ON PERMANENT SUPPORT
 - TYPE III BARRICADE
 - TYPE III BARRICADE WITH ATTACHED SIGN
 - TYPE "A" WARNING LIGHT (FLASHING)
 - WORK AREA
 - FLAGS, 16" X 16" MIN. (ORANGE)

- DETOUR M4 - 8
- EAST M3 - X
- XX M1 - 4 OR XX M1 - 6 OR COUNTY M1 - 5A
- OR M05 - 1 OR M06 - 1

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

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



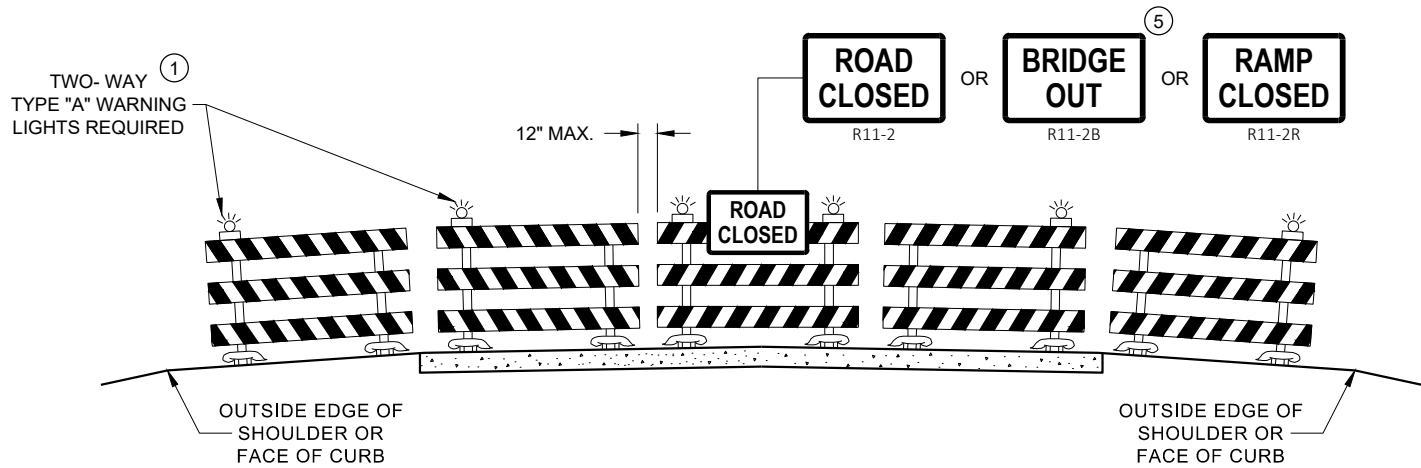
DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

**BARRICADES AND SIGNS
FOR MAINLINE CLOSURES**

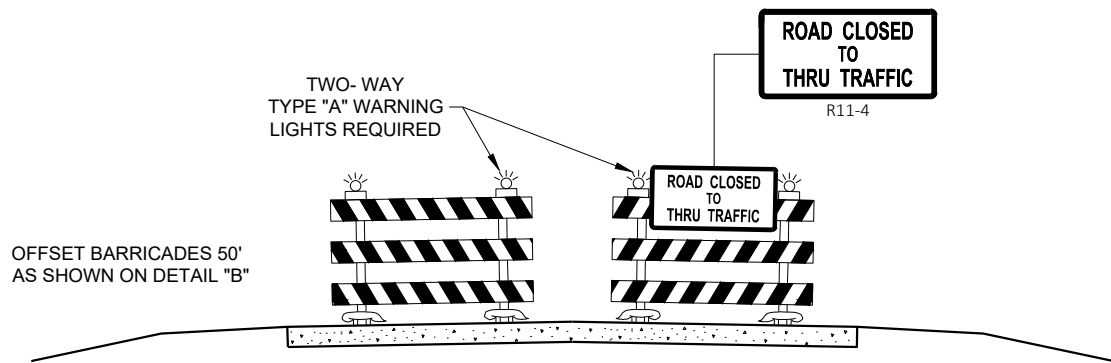
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 138

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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"

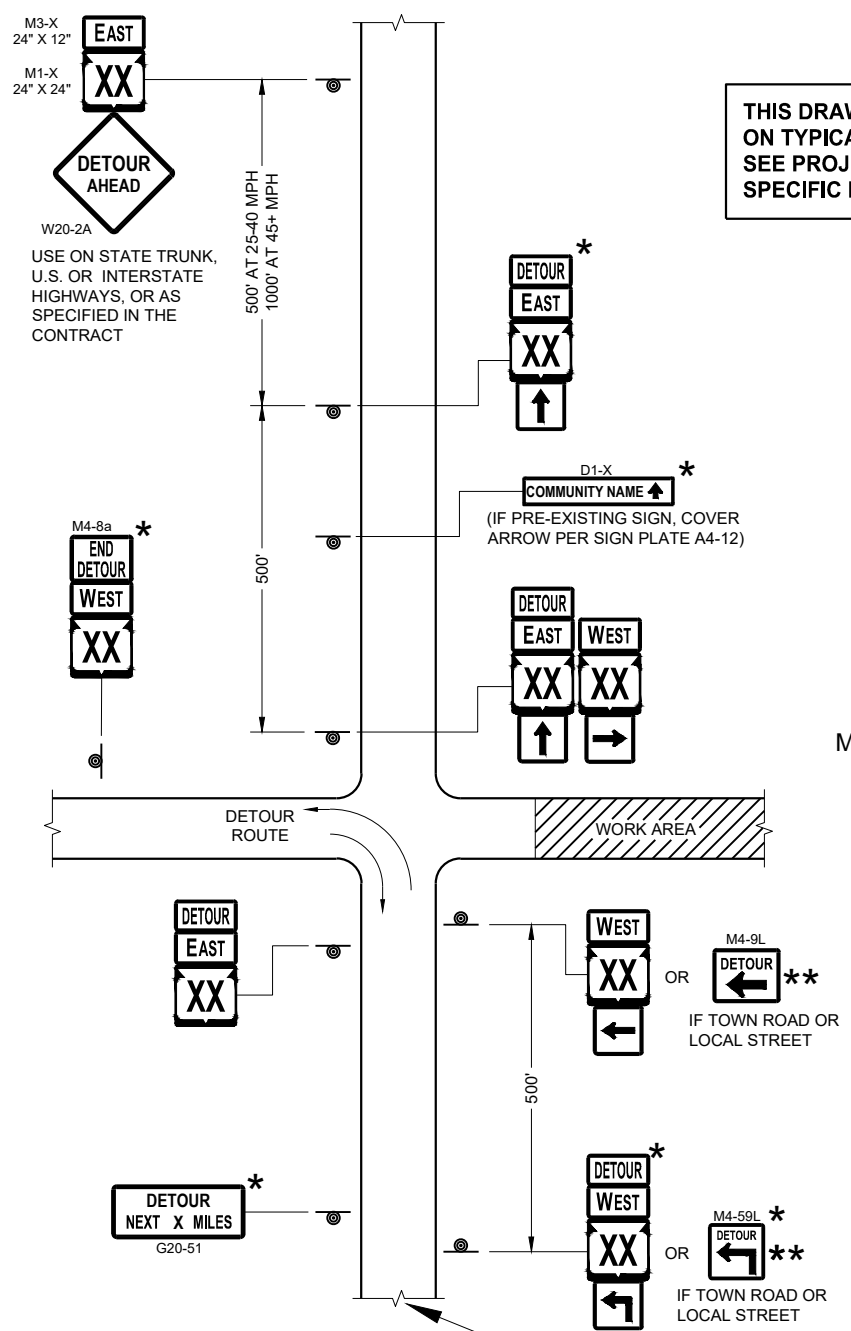
- 1 TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING).
- 2 THESE SIGNS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

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May 2023 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 139

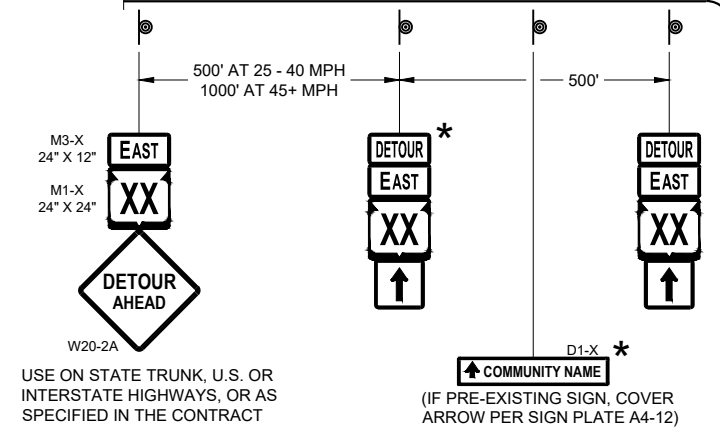
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SEE SPECIFIC PROJECT DETOUR
SIGNING DETAIL SHEETS AND
DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

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

MATCH POINT



DETAIL F
DETOUR SIGNING

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.

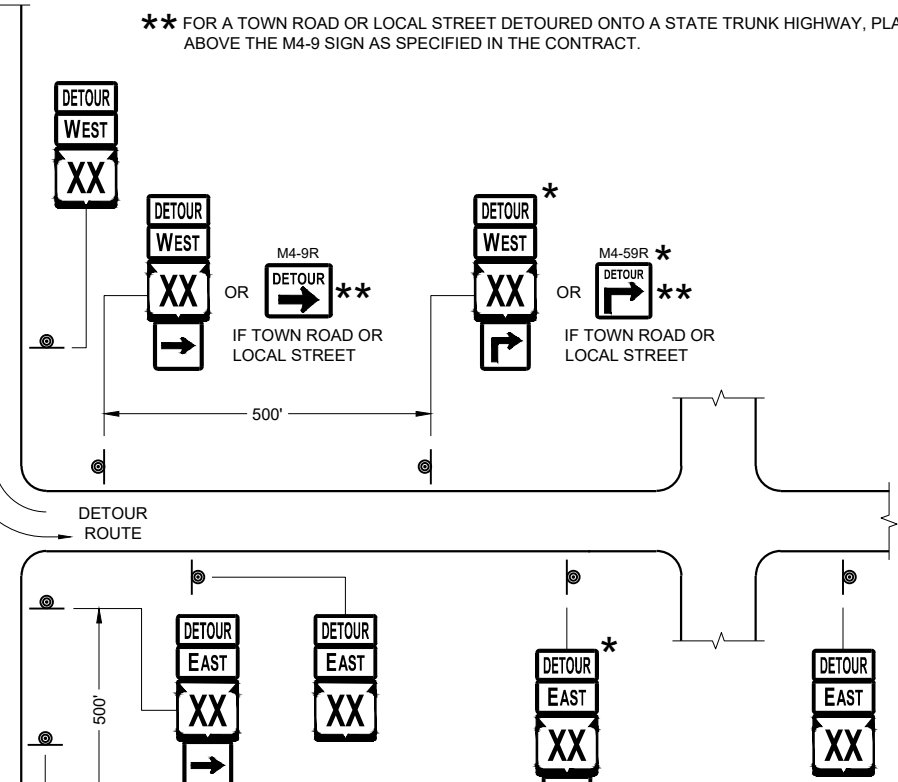
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"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.

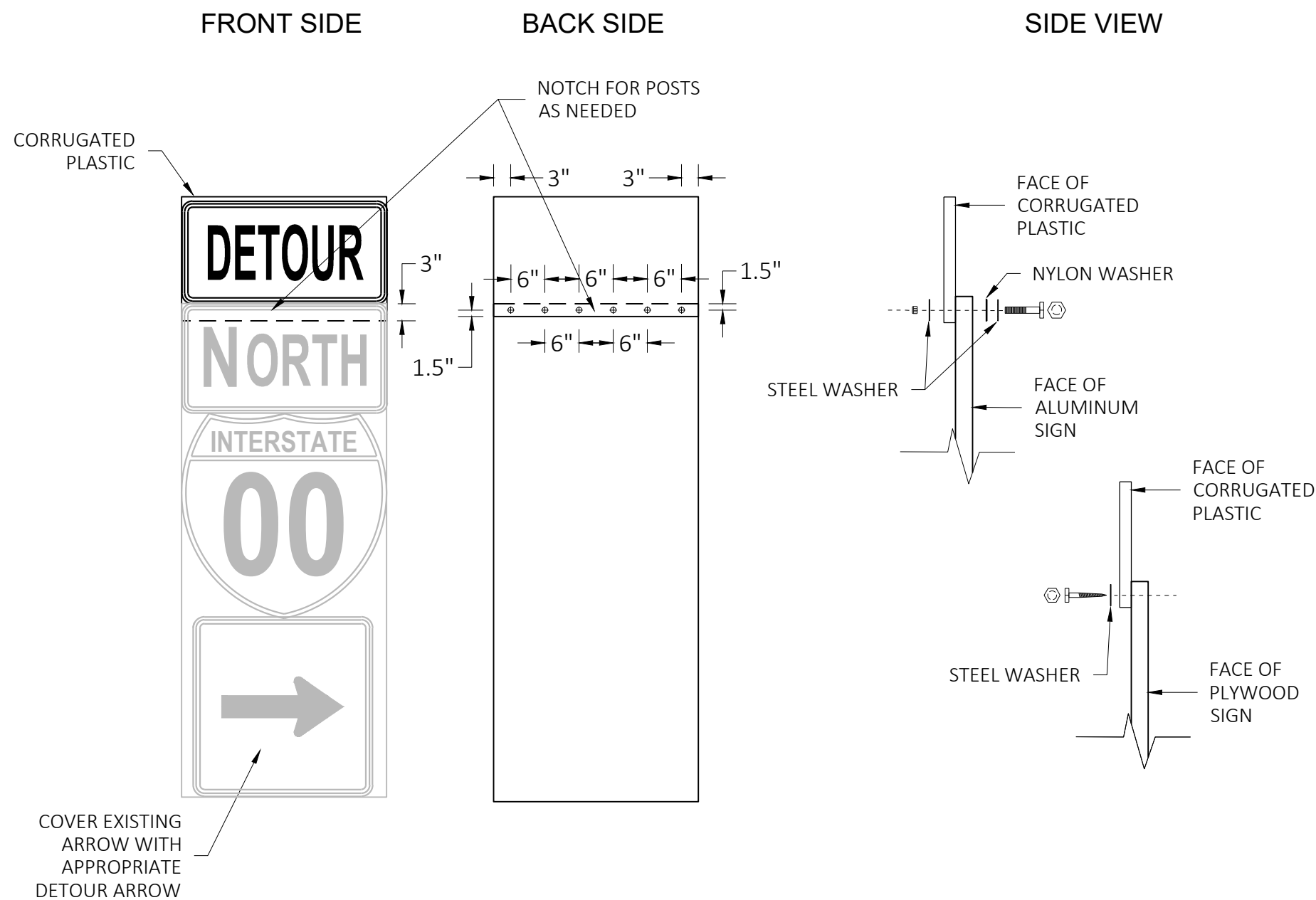


**DETOUR SIGNING
FOR MAINLINE CLOSURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 140

FHWA



GENERAL NOTES

CELLS OF CORRUGATED PLASTIC SHALL BE VERTICALLY ORIENTED.

PROVIDE A 0.4-INCH THICK BASE CORRUGATED PLASTIC WITH A 0.035-INCH WALL THICKNESS AND 0.4-INCH CELL SIZE.

FOR 36" WIDE SIGNS: USE 6 FASTENERS AS SHOWN.

FOR 24" WIDE SIGNS: USE 4 FASTENERS WITH EDGE SPACING AS SHOWN AND 6" SPACING BETWEEN FASTENERS.

METAL WASHERS, NUTS, BOLTS AND LAGS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

- A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3.
- B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC3

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.

PLYWOOD SIGNS:

LAG SCREWS - 5/16" x 1"

ALUMINUM SIGNS:

MACHINE BOLTS - 5/16" x 1-1/4" LENGTH W/NUTS

WASHERS:

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

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

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

MODIFIED ROUTE ASSEMBLY FOR DETOUR SIGNING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

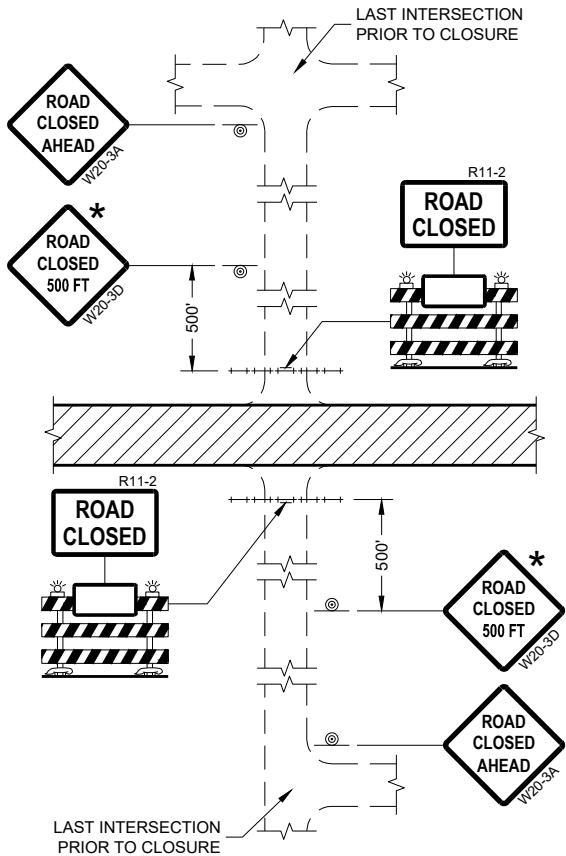
APPROVED

May 2023
DATE

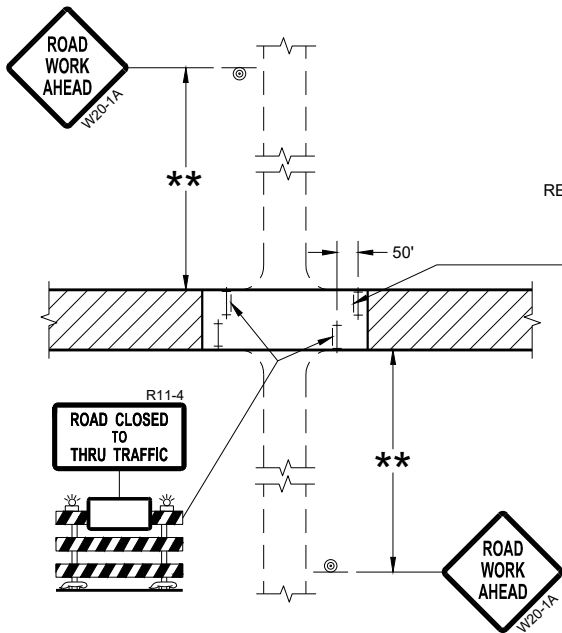
/S/ Andrew Heidtke
ROADWAY STANDARDS DEVELOPMENT
ENGINEER

141

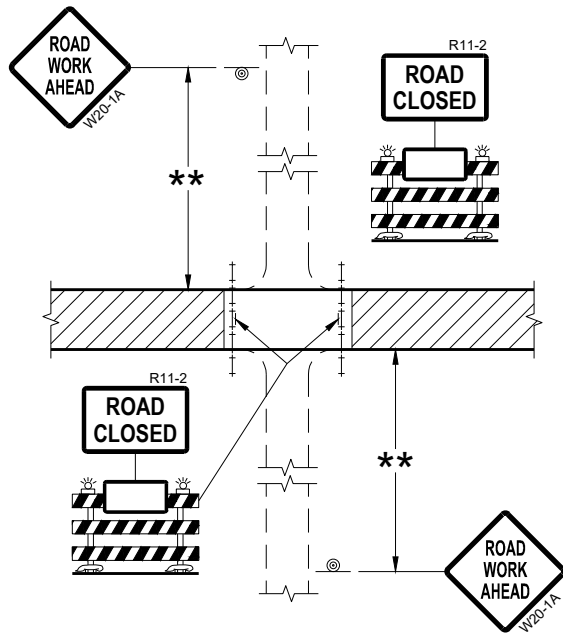
FHWA



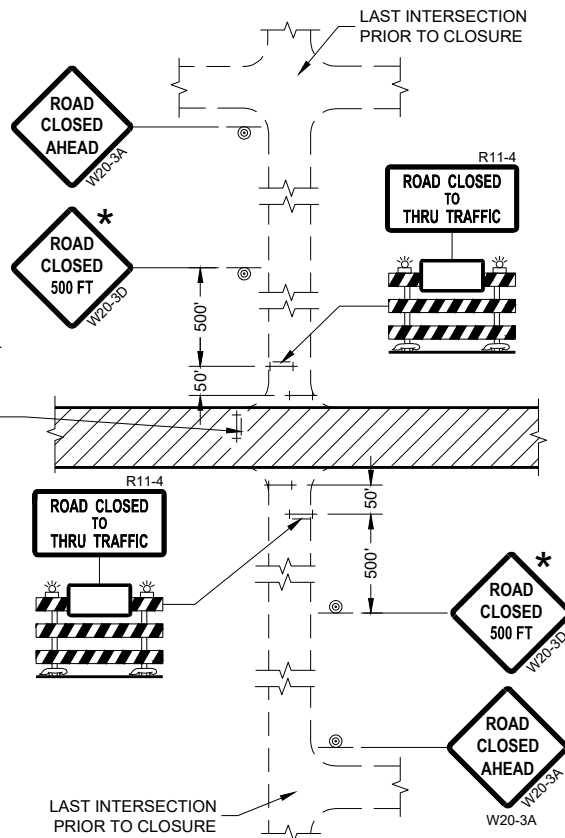
DETAIL 1
(NO ACCESS TO PROJECT)



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



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO 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

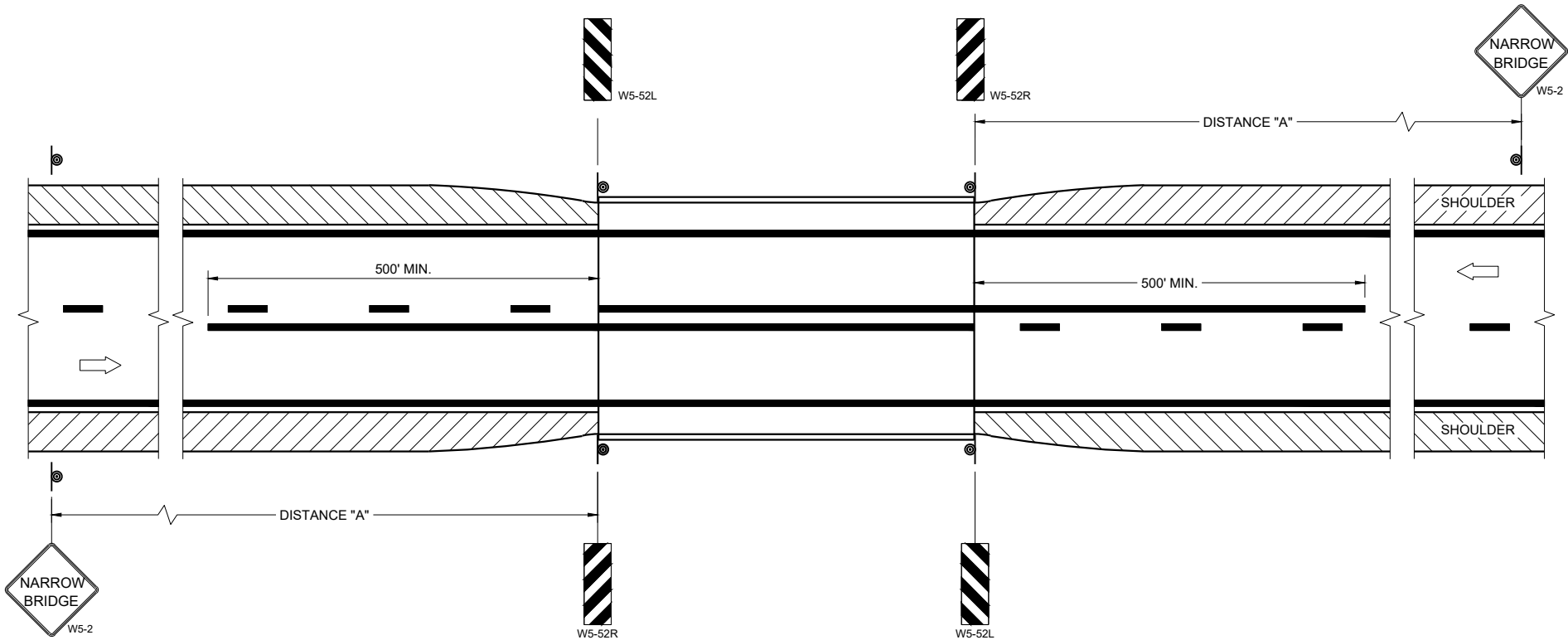
- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

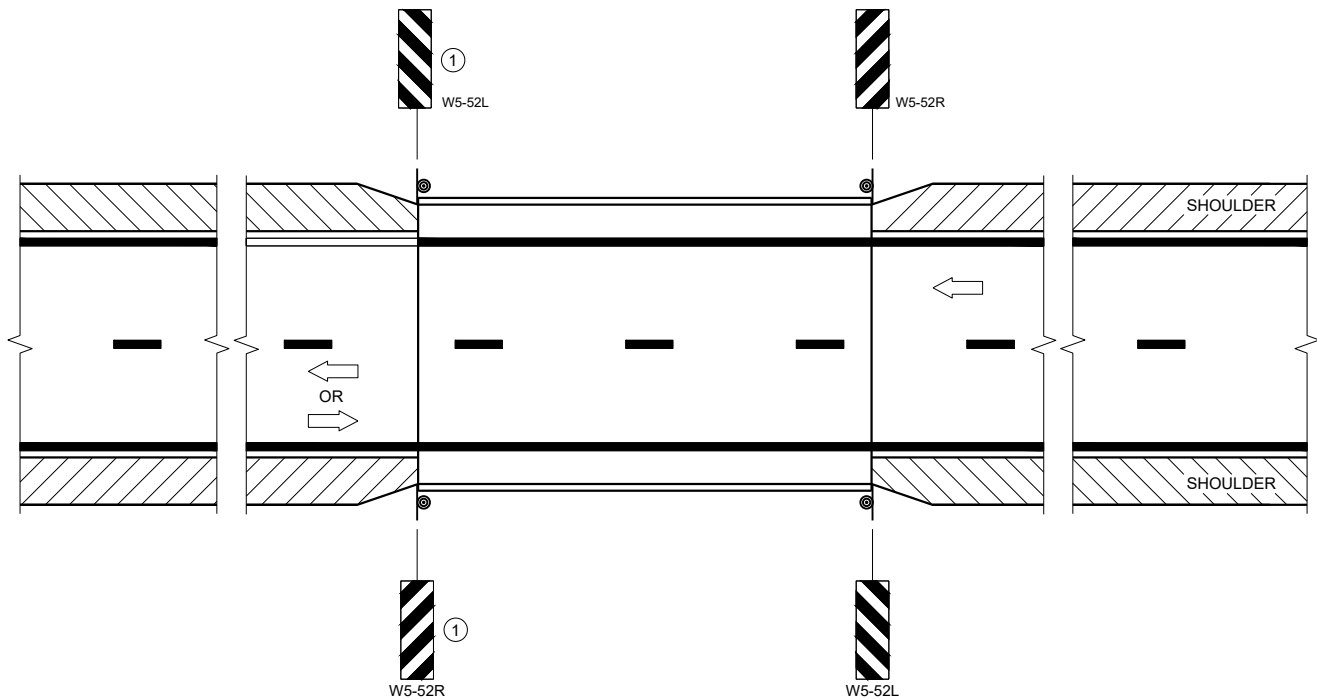
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 142

FHWA



SITUATION 1
WARRANTING CRITERIA:
BRIDGE WIDTH IS AT LEAST 16 FEET BUT LESS THAN 24 FEET.



SITUATION 2
WARRANTING CRITERIA:
1. BRIDGE WIDTH IS AT LEAST 24 FEET AND
2. BRIDGE SHOULDER WIDTH IS LESS THAN 6 FEET

GENERAL NOTES

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

LOCATE W5-52 SIGN POST(S) BEHIND GUARDRAIL WHEN PRESENT.

PLACE THE EDGE OF THE W5-52 SIGN IN LINE WITH FACE OF CURB OR PARAPET.

ON BRIDGE ONLY PROJECTS, PLACE 300 FEET OF EDGELINE.

OMIT EDGELINES ON ROADWAYS WITHOUT EXISTING EDGELINES.

① OMIT ON ONE-WAY TRAVELED WAYS.

LEGEND

⊙ SIGN ON PERMANENT SUPPORT

➡ DIRECTION OF TRAFFIC

DISTANCE TABLE

POSTED OR 85TH PERCENTILE SPEED	DISTANCE "A"
25	150'
30	200'
35	250'
40	300'
45	400'
50	550'
55	700'

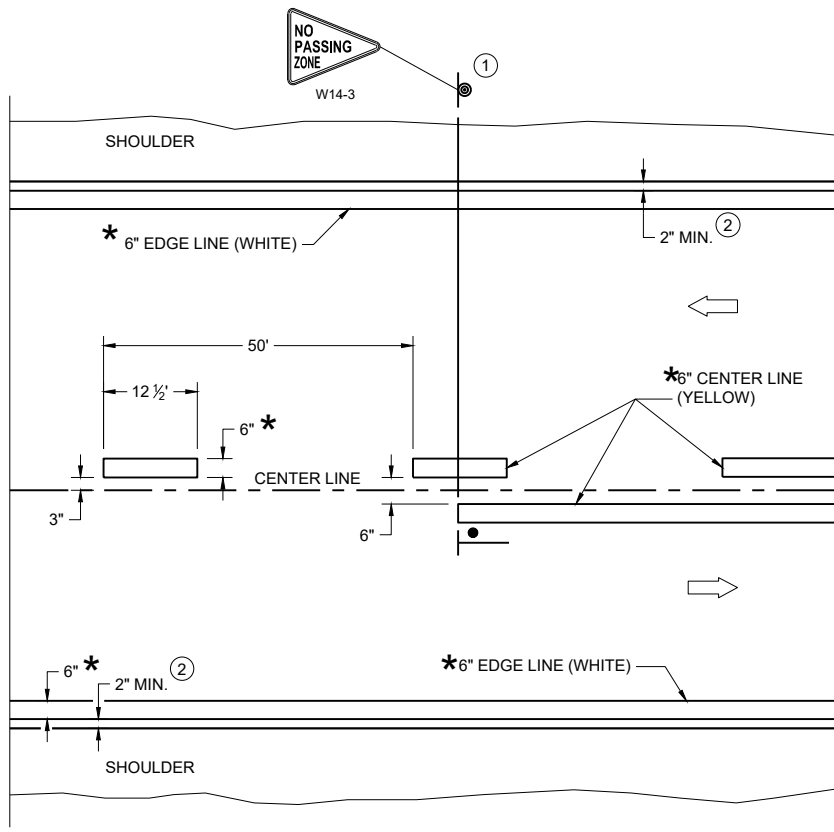
**SIGNING AND MARKING
FOR TWO LANE BRIDGES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

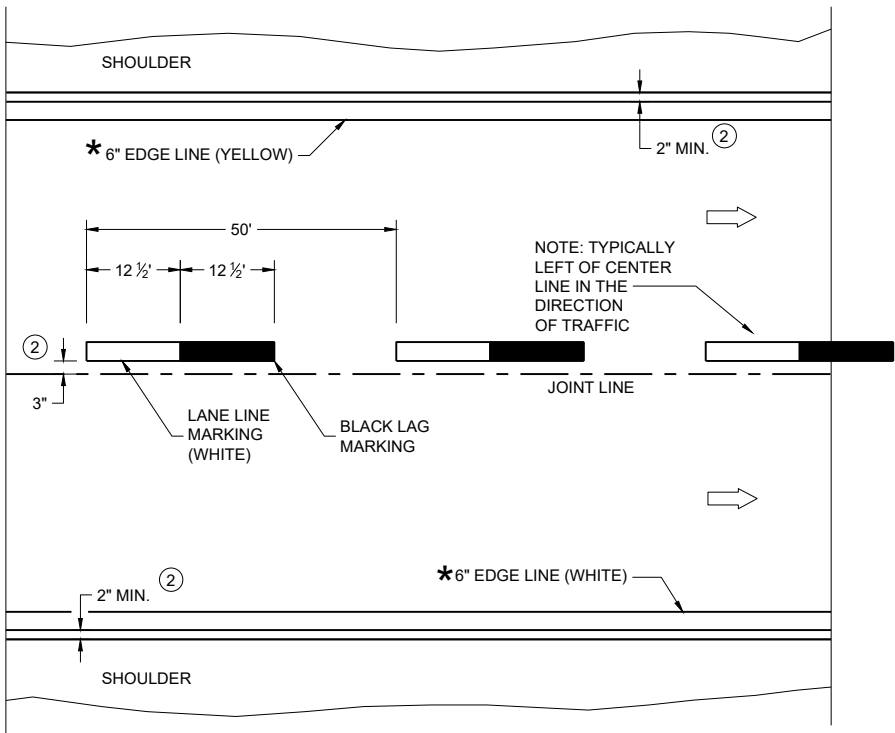
APPROVED
May 2023
DATE

/S/ Jeannie Silver
Statewide Pavement Marking Engineer

FHWA 143



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

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.

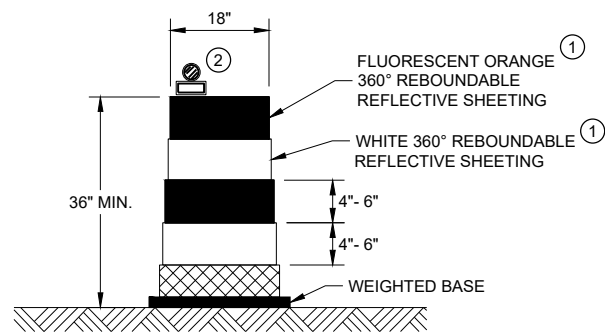
LEGEND

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

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

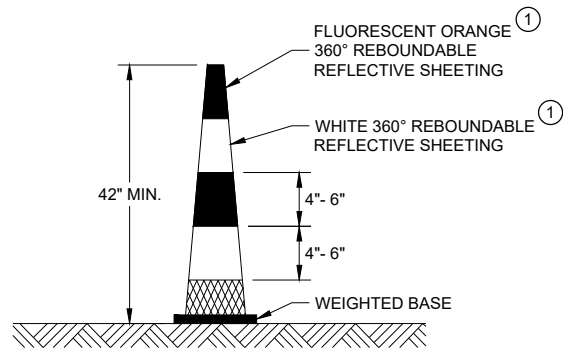
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 /S/ Jeannie Silver
DATE Statewide Pavement Marking Engineer



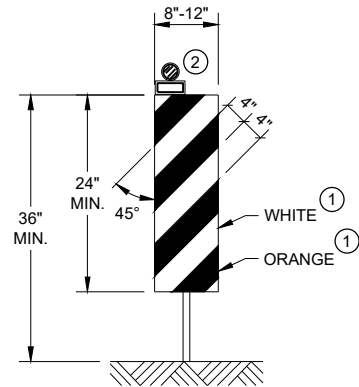
DRUM

BALLAST WIDTHS
RANGE FROM 24"-36"



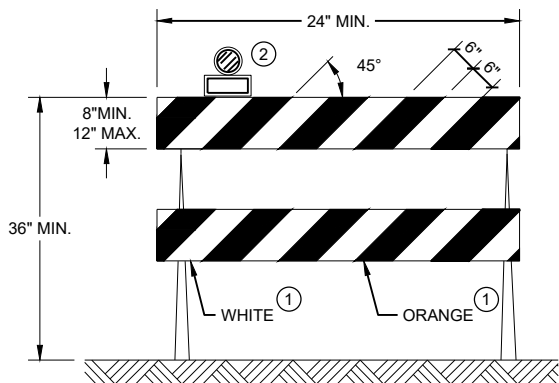
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS
BALLAST WIDTHS
RANGE FROM 14"-20"



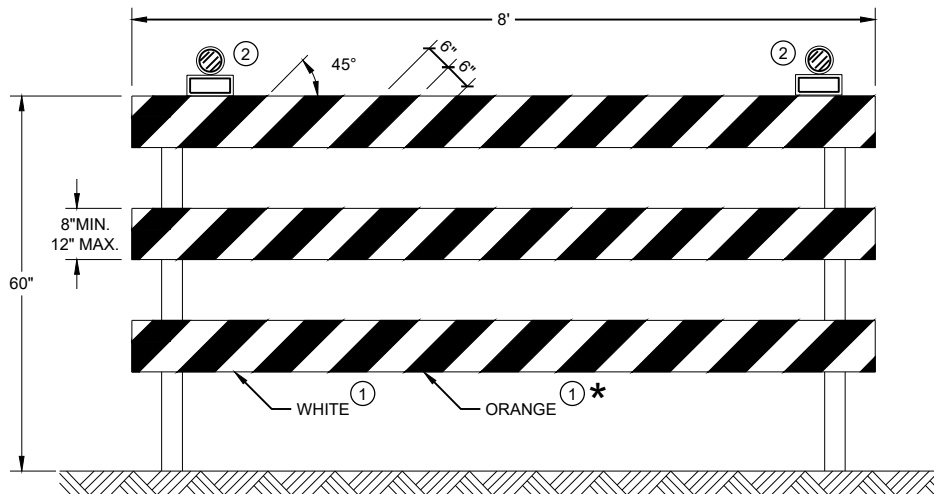
VERTICAL PANEL

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



TYPE II BARRICADE

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



TYPE III BARRICADE

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

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

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.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 145
FHWA

LEGEND

-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

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

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

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

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

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

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

FLAGGING

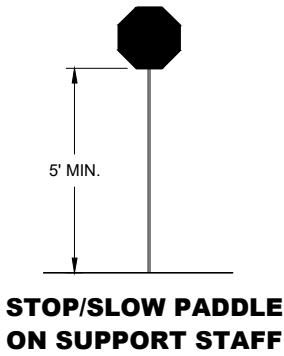
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

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

TEMPORARY PORTABLE RUMBLE STRIPS

- UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER
- ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.
- INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.
- DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

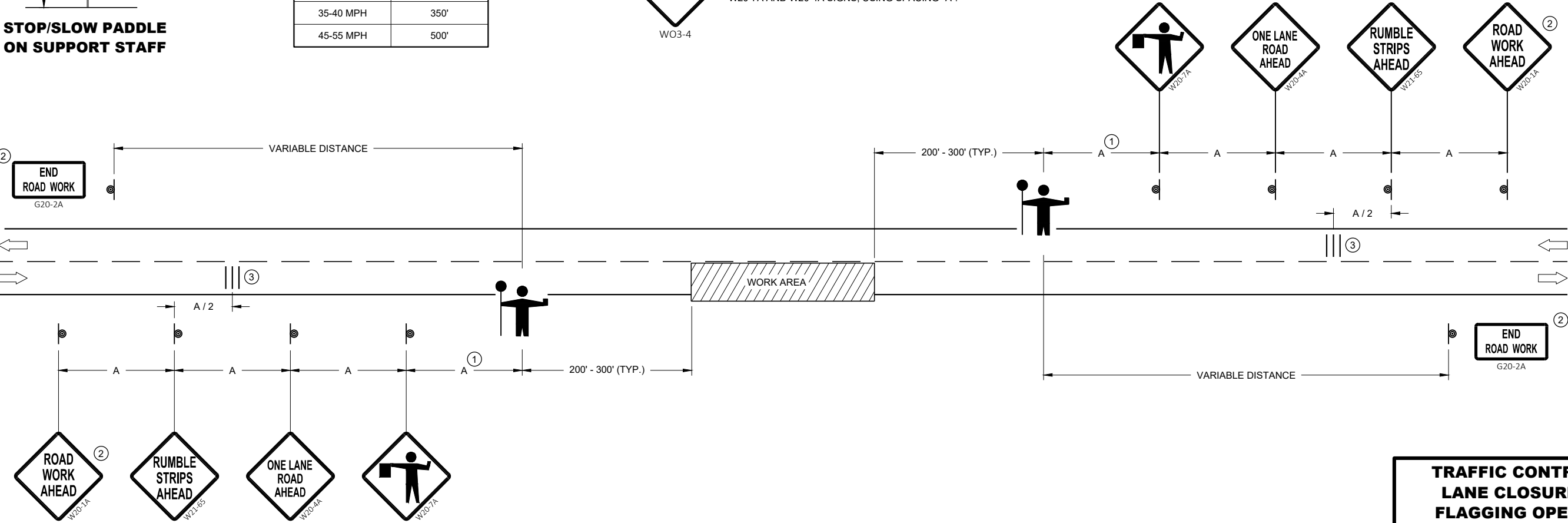


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

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".

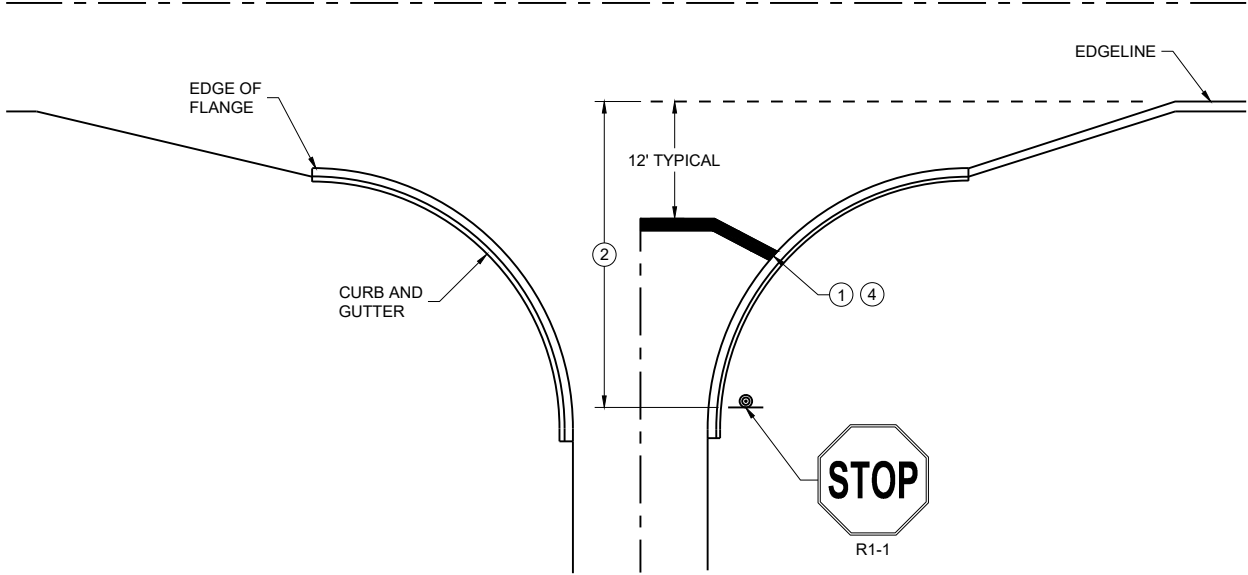


TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

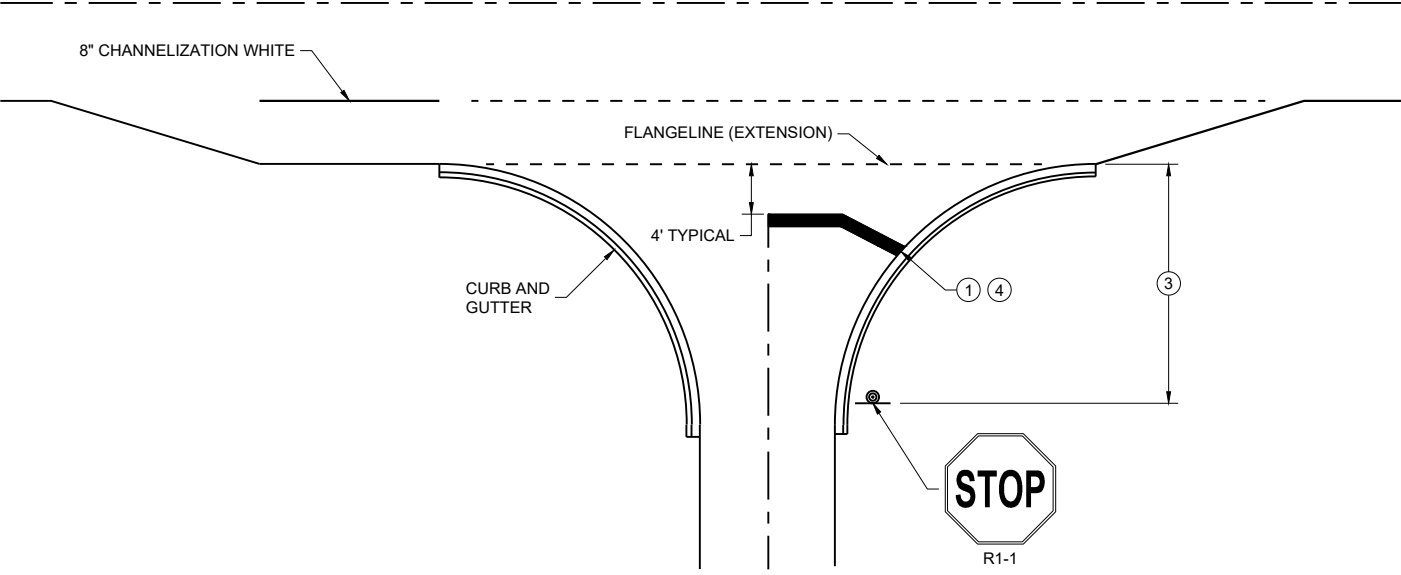
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2022 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER 146

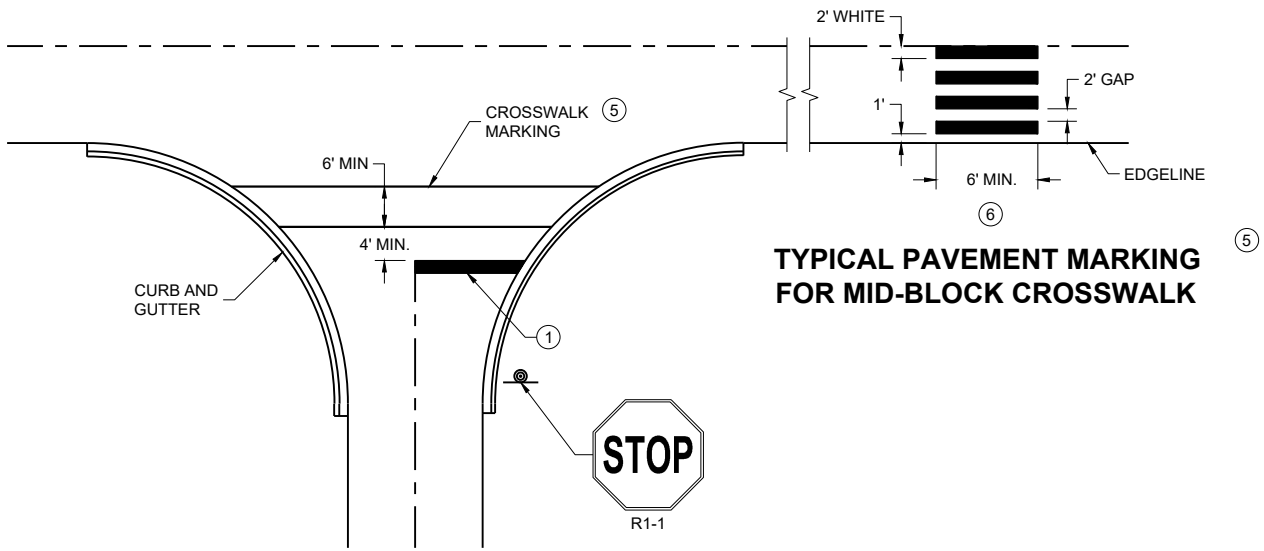
FHWA



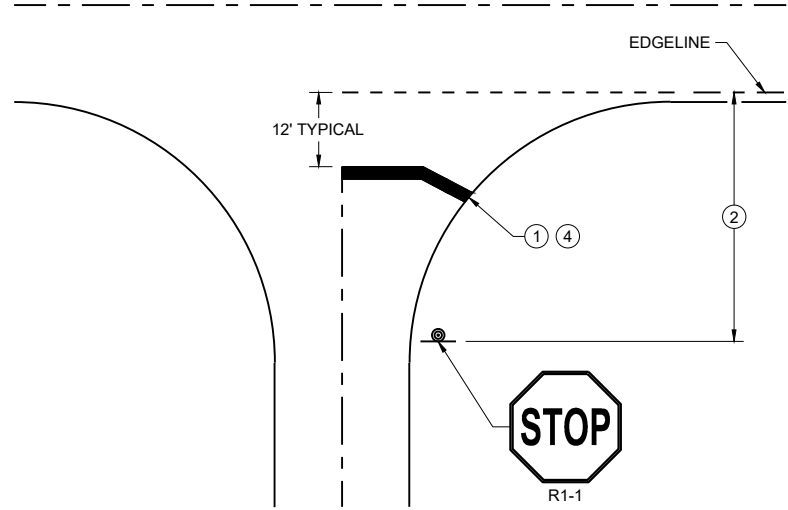
TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER



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



TYPICAL STOP LINE PAVEMENT MARKING FOR
SIDE ROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING
WITHOUT CURB AND GUTTER

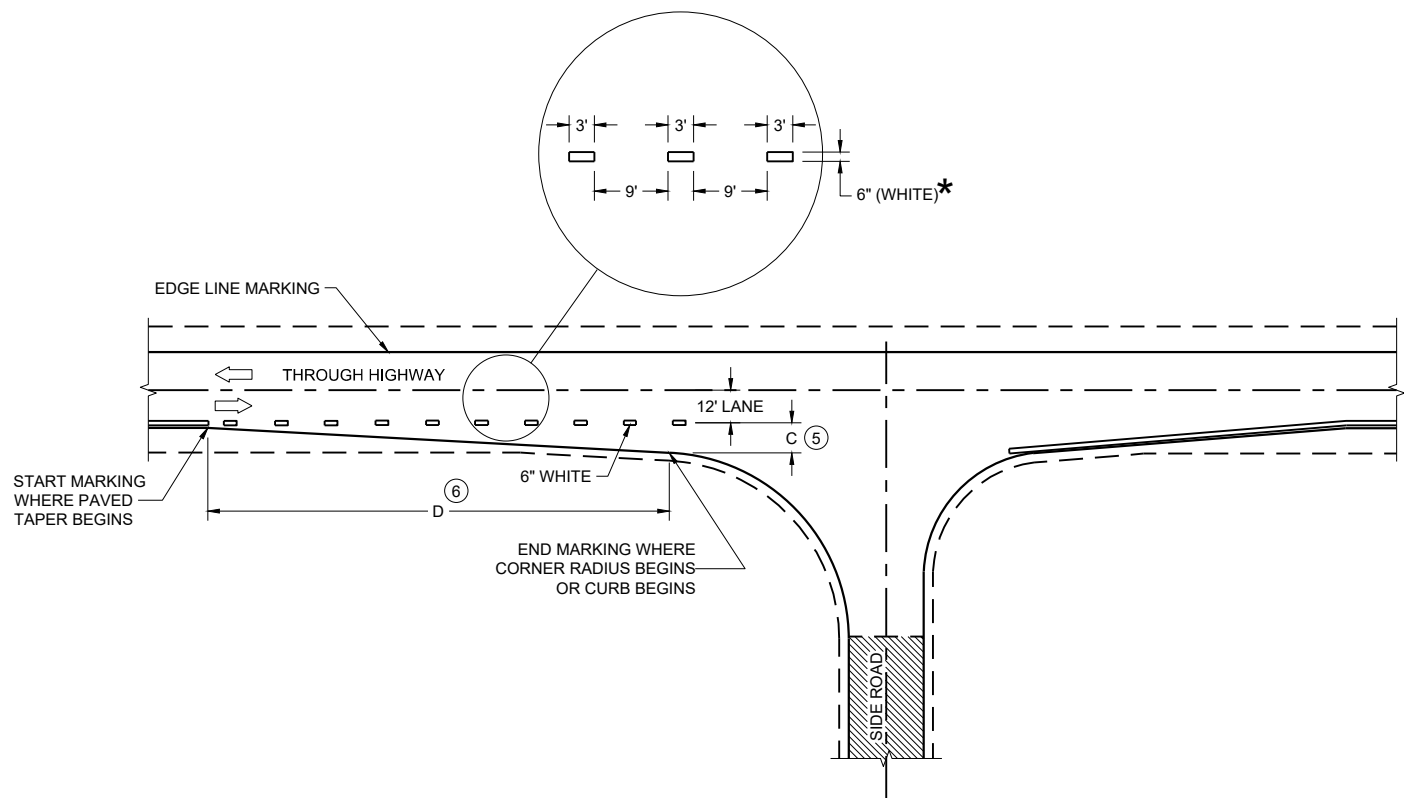
GENERAL NOTES

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

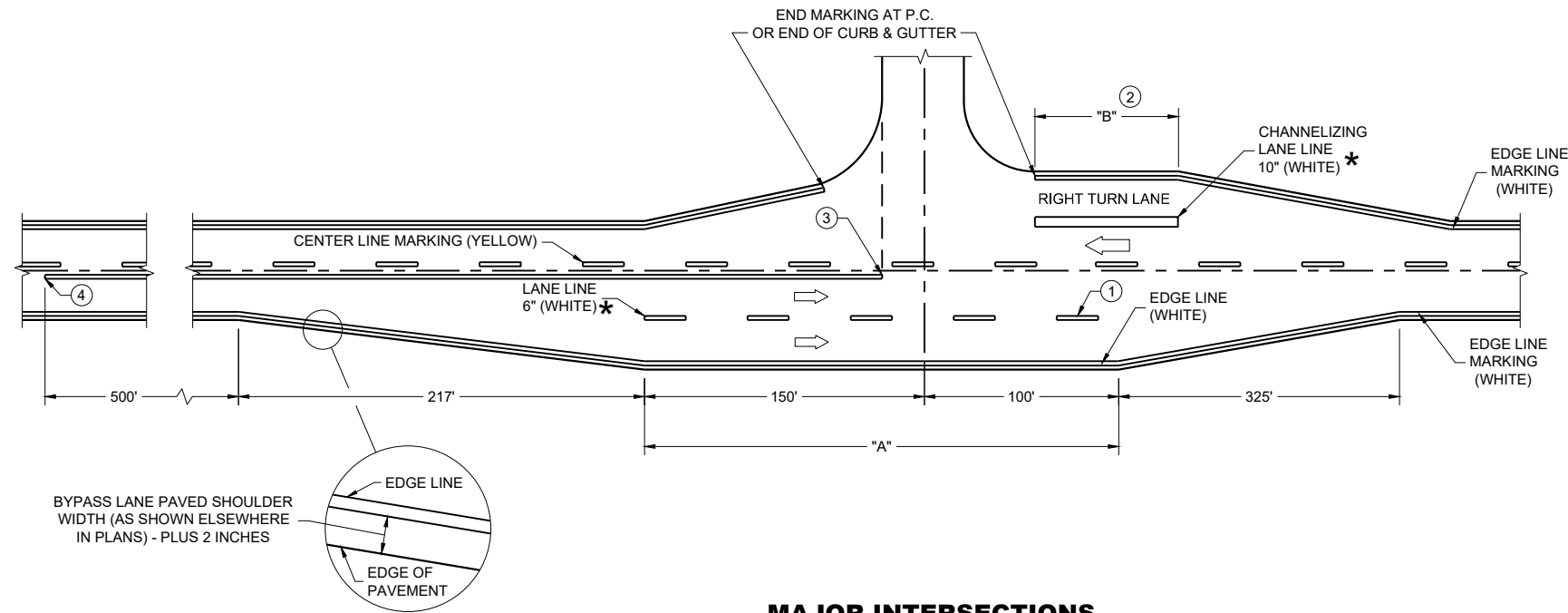
- ① 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
- ② NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
- ③ NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGE LINE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

STOP LINE AND CROSSWALK PAVEMENT MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED March 2024 DATE	/S/ Matthew Rauch STATE SIGNING AND MARKING ENGINEER

FHWA



MINOR INTERSECTION



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

*CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

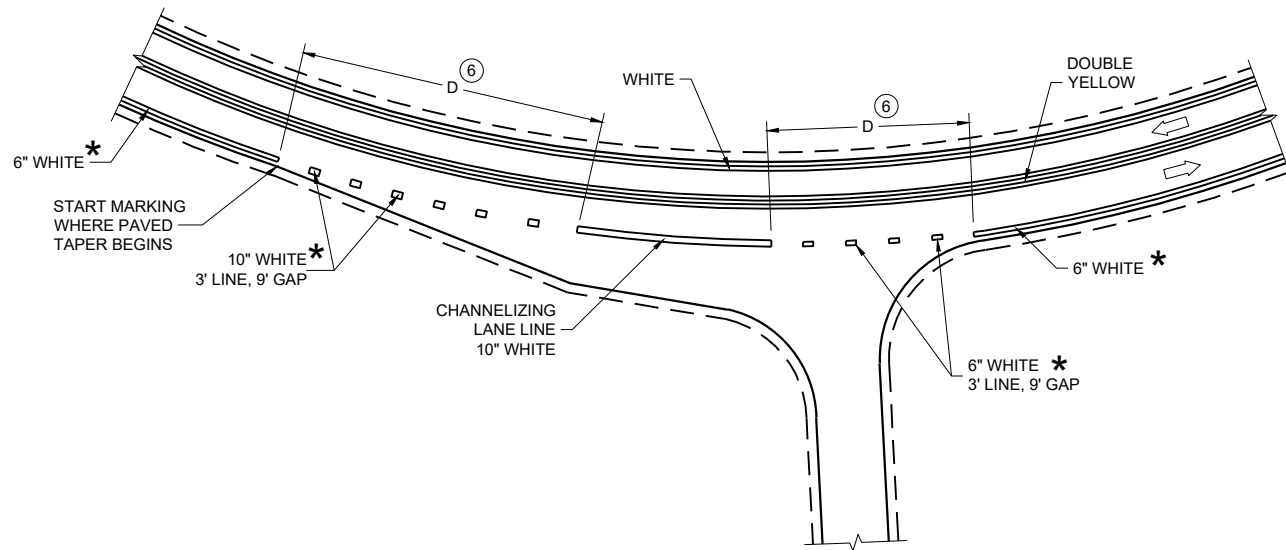
GENERAL NOTES

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

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

LEGEND

➡ DIRECTION OF TRAVEL



INTERSECTION ON OUTSIDE OF CURVE

PAVEMENT MARKING
(INTERSECTIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

LEGEND

- V1

WORK VEHICLE
- V2

SHADOW VEHICLE
- 

TRUCK MOUNTED ATTENUATOR (TMA)
- 

FLASHING ARROW PANEL (CAUTION)
- 

WORK AREA
- 

DIRECTION OF TRAFFIC

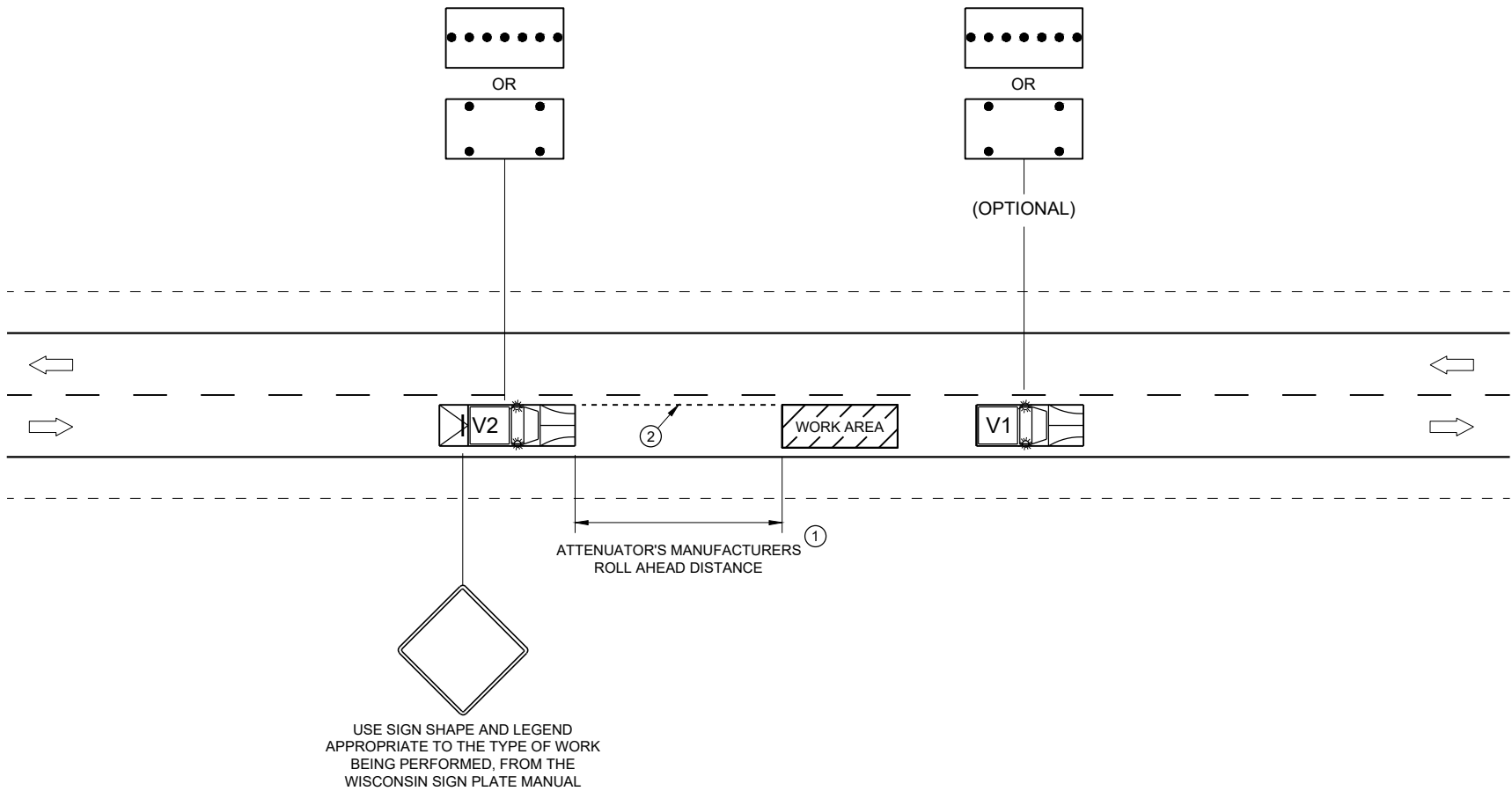
POSTED SPEED PRIOR TO WORK STARTING (MPH)	DECISION SIGHT DISTANCE (D)
0 - 25	550'
30	550'
35	700'
40	700'
45	900'
50	900'
55	1200'

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.



TRAFFIC CONTROL,
MOBILE OPERATIONS ON
AN UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

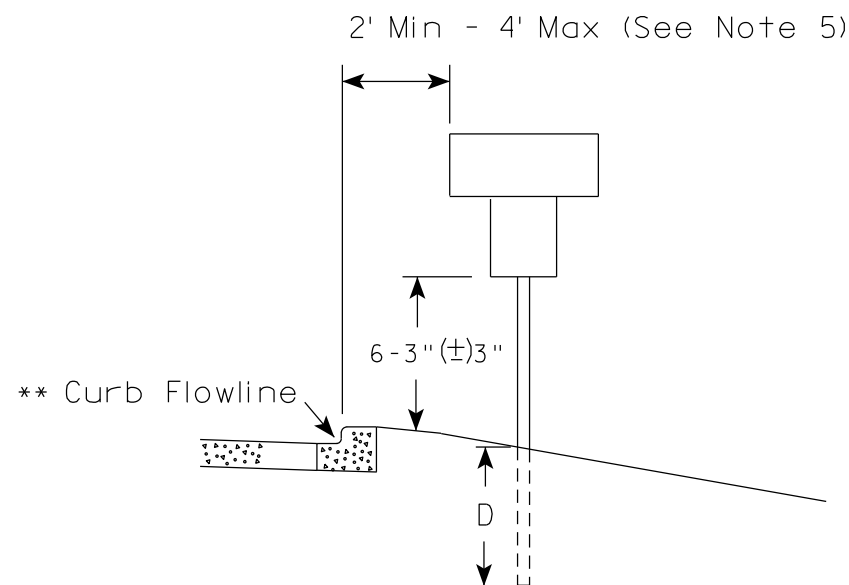
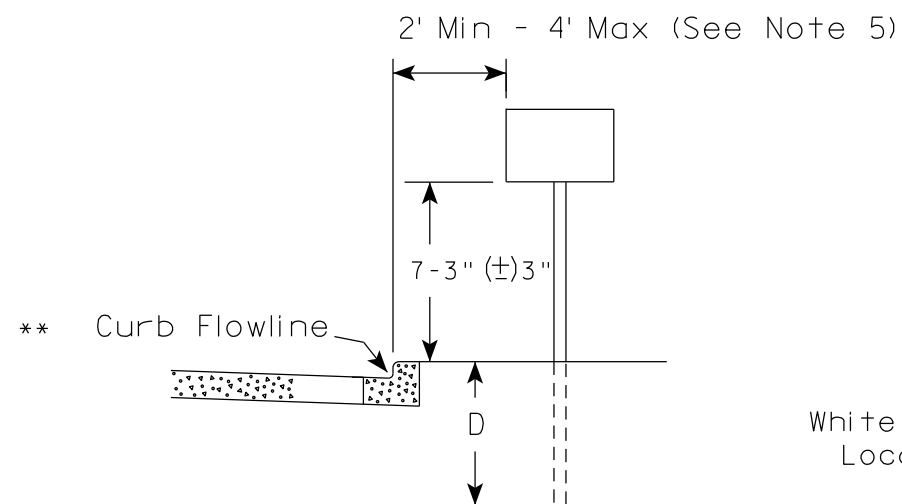
APPROVED
February 2021
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T
SAFETY ENGINEER

149

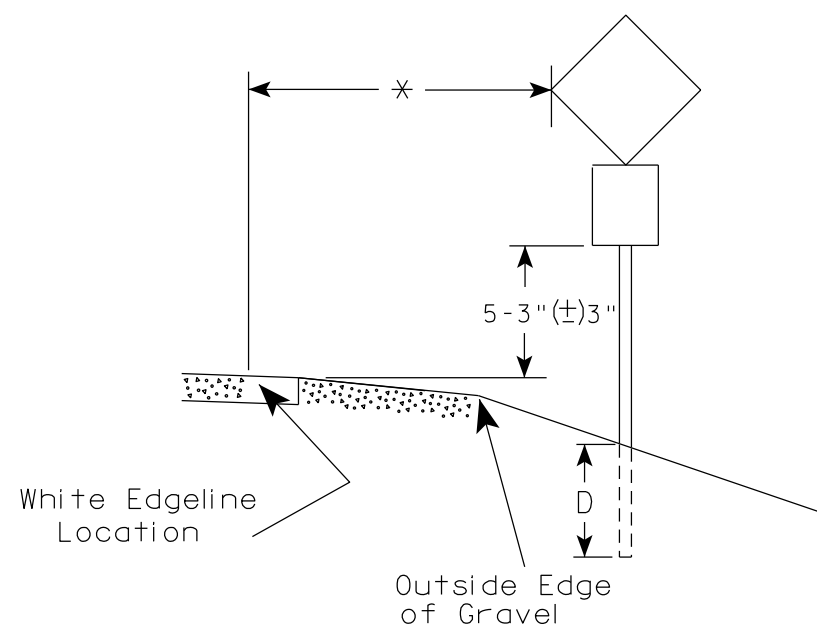
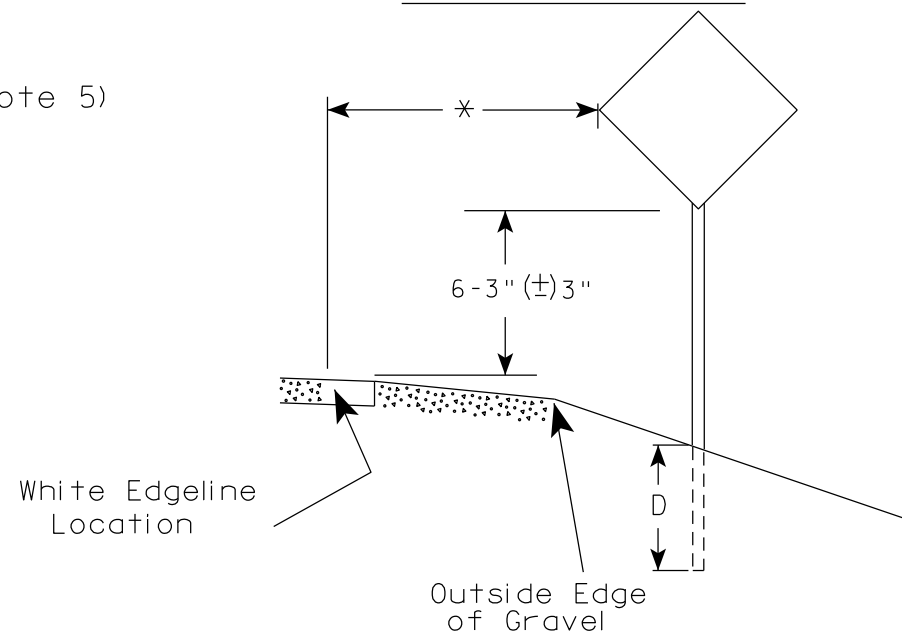
FHWA

URBAN AREA



* * 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.

RURAL AREA (See Note 2)



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

GENERAL NOTES

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF PERMANENT TYPE II
SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch
for State Traffic Engineer

DATE 12/6/23

PLATE NO. A4-3.23

PROJECT NO:

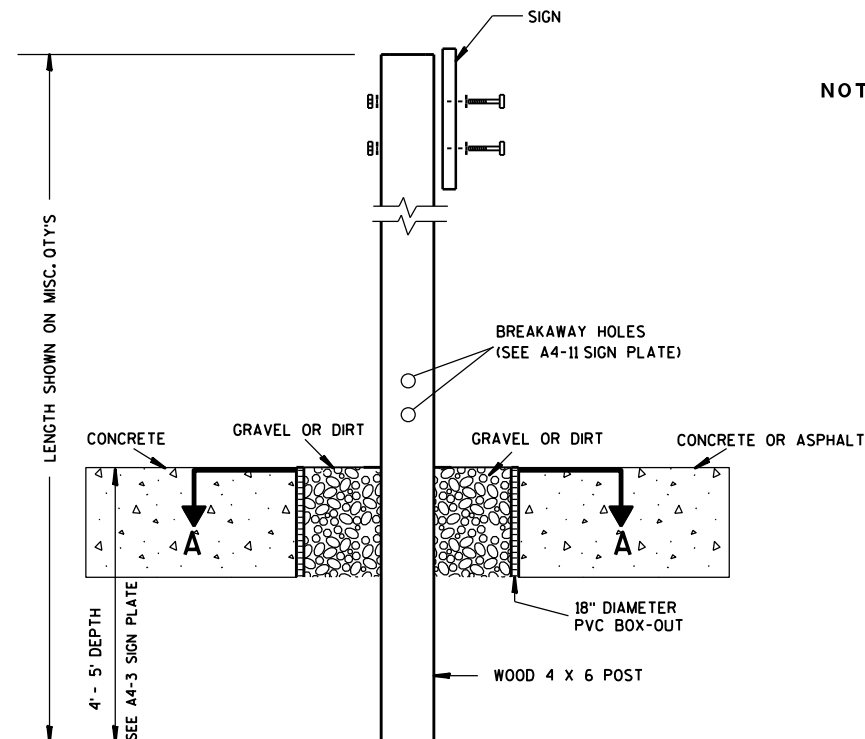
HWY:

COUNTY:

SHEET NO:

150

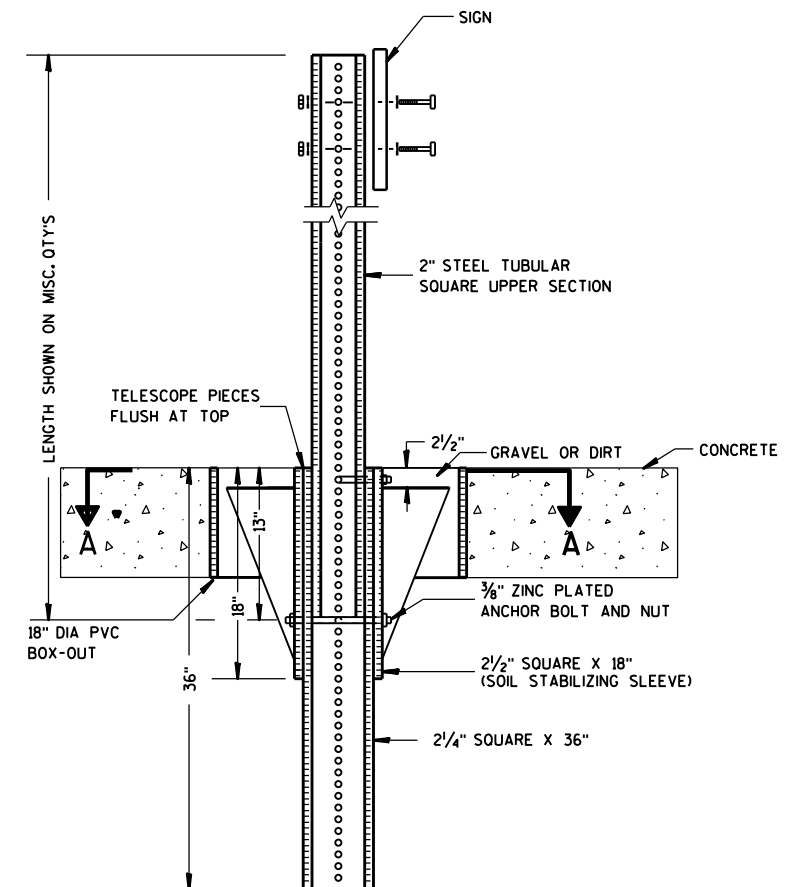
E



ELEVATION VIEW

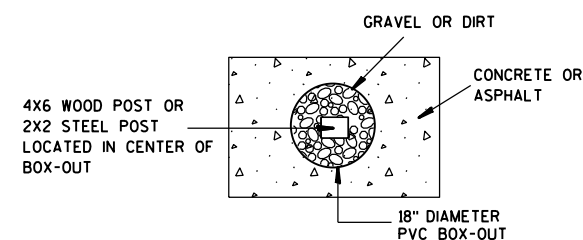
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

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



ELEVATION VIEW

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



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

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

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/27/14 PLAT 151 A4-3B.1

PROJECT NO:

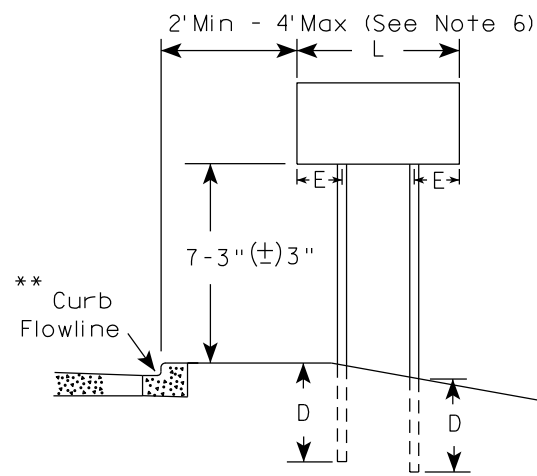
HWY:

COUNTY:

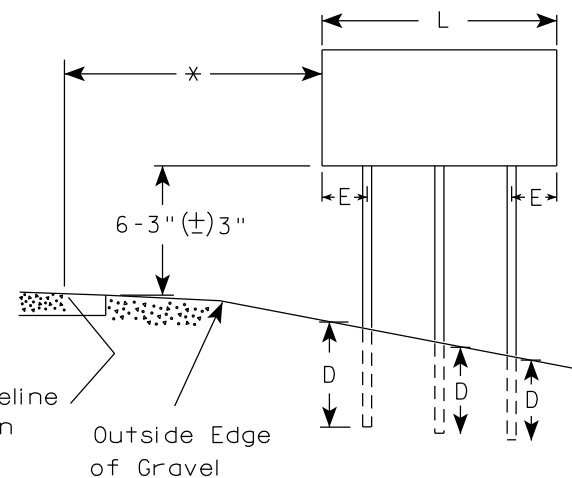
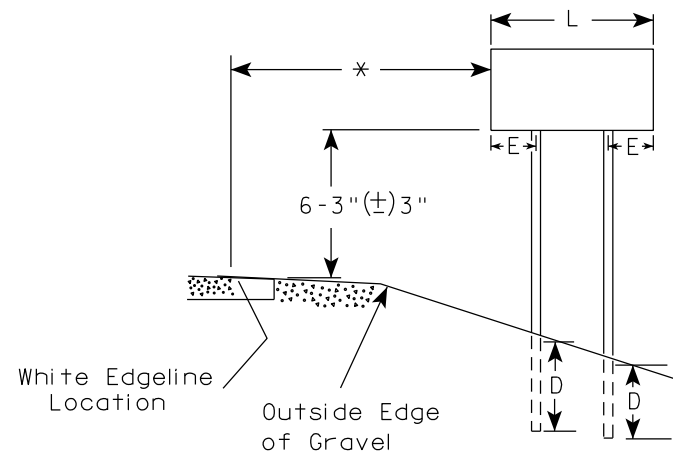
SHEET NO:

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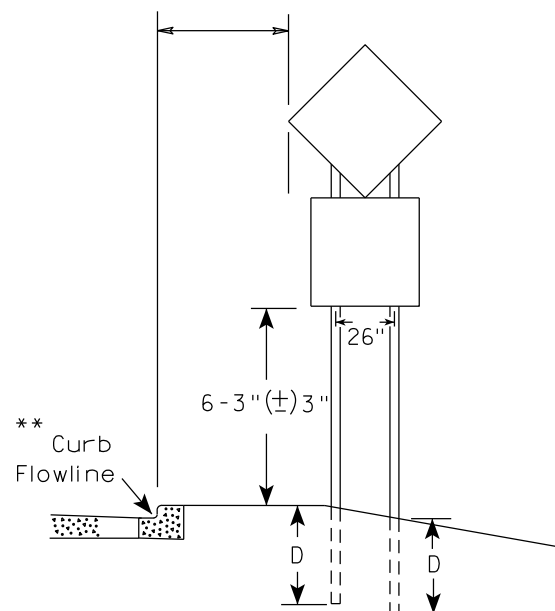
URBAN AREA



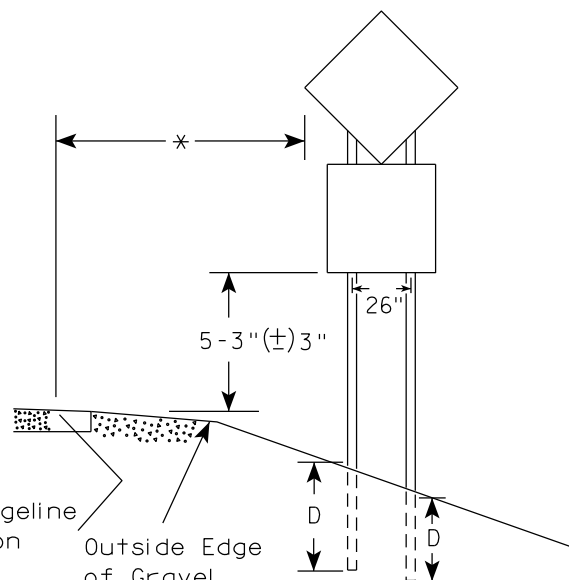
RURAL AREA (See Note 3)



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



48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

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

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

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION
OF TYPE II SIGNS
ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/6/23 PLATE NO. A4-4.16

GENERAL NOTES

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

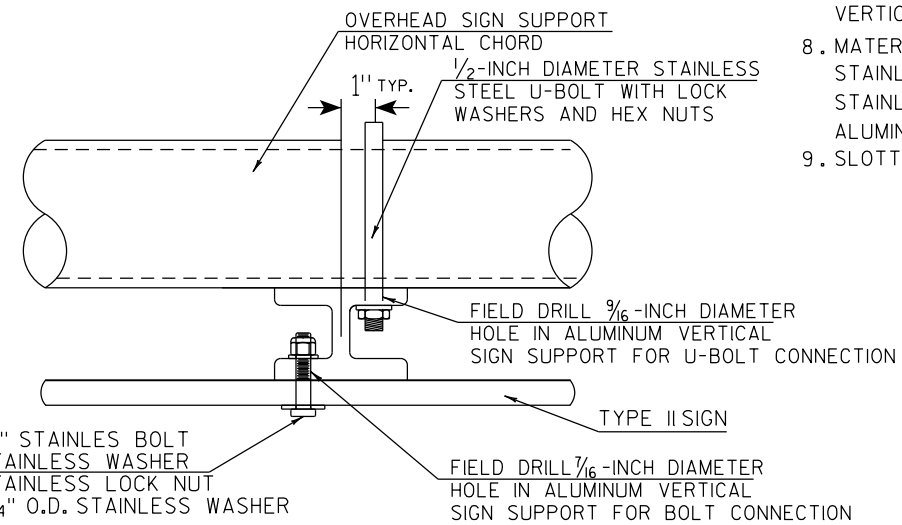
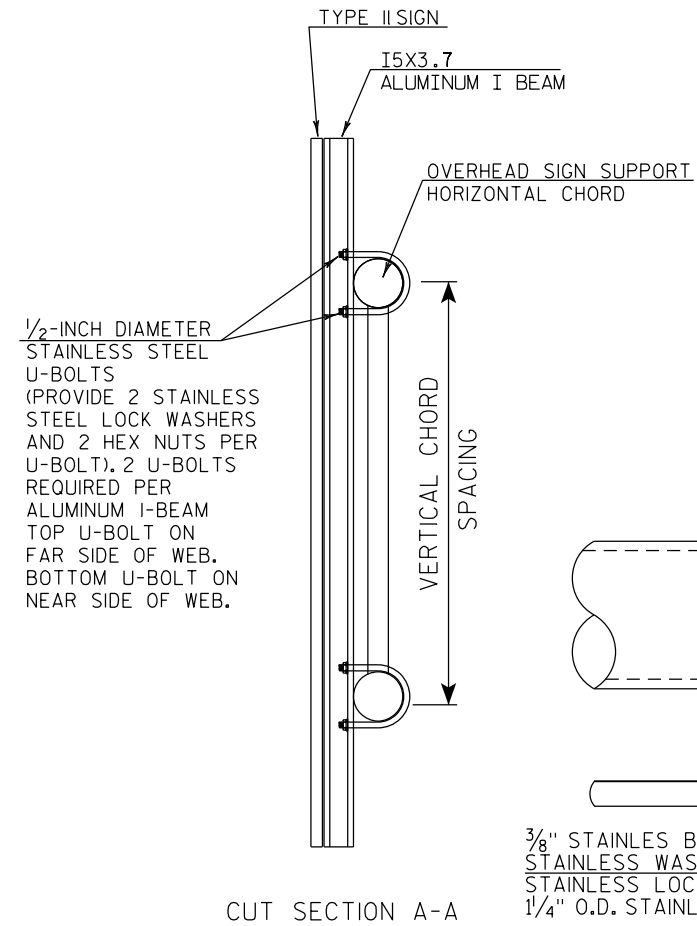
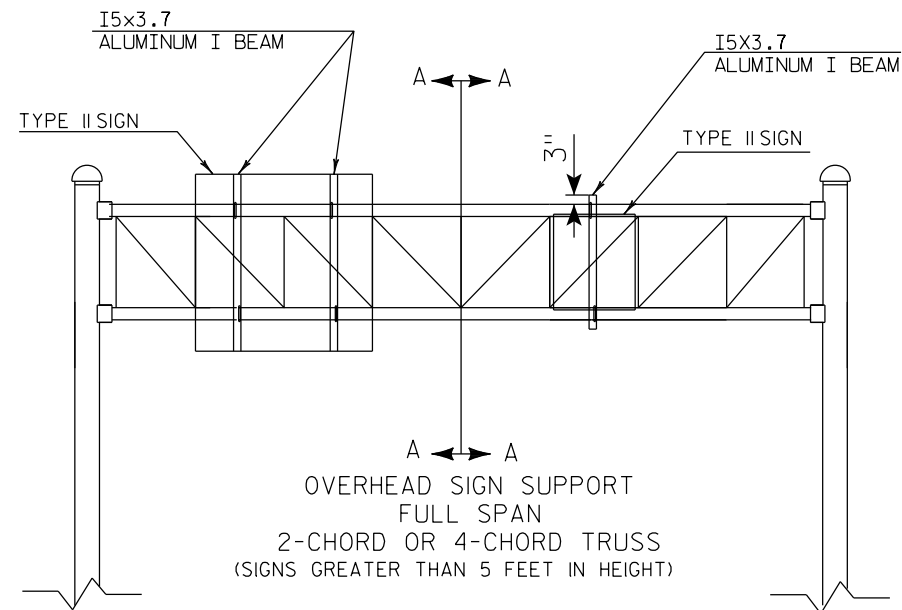
* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

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

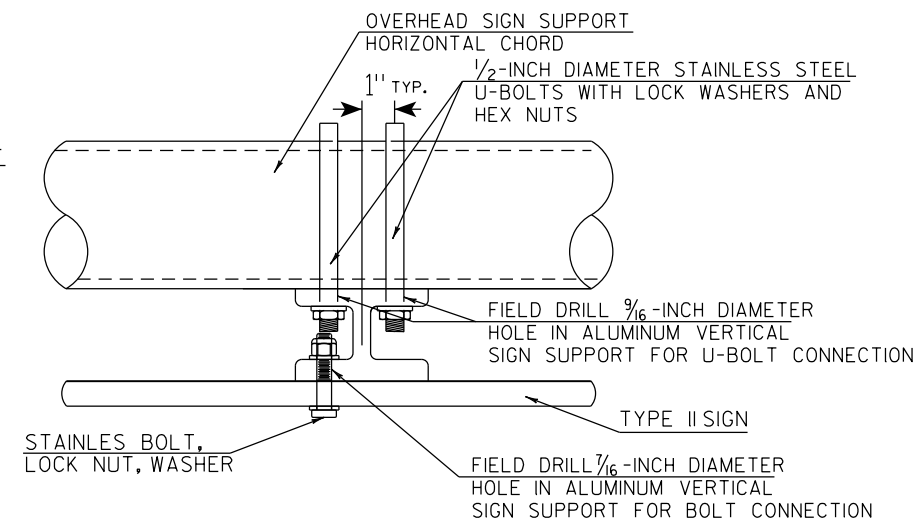
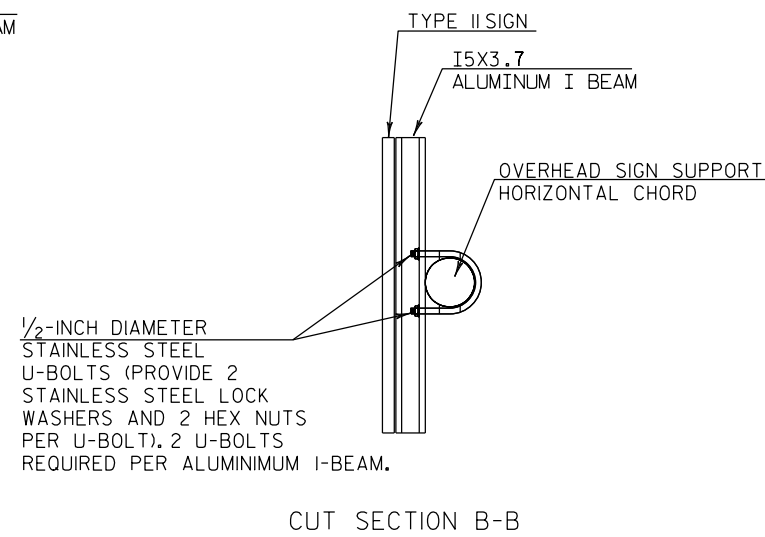
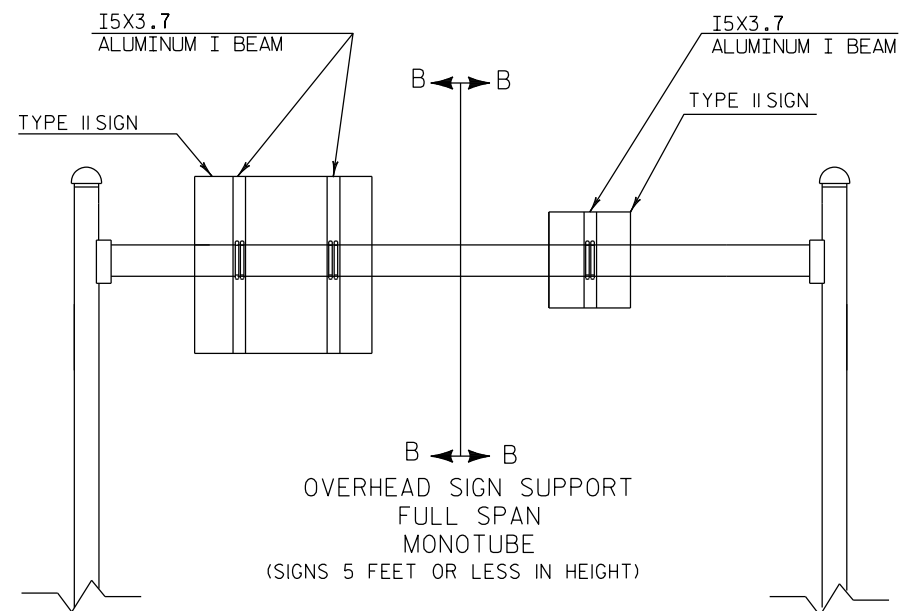
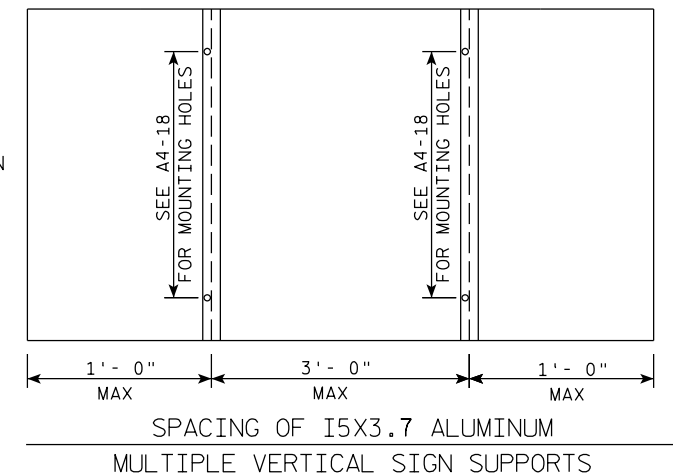
*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

GENERAL NOTES

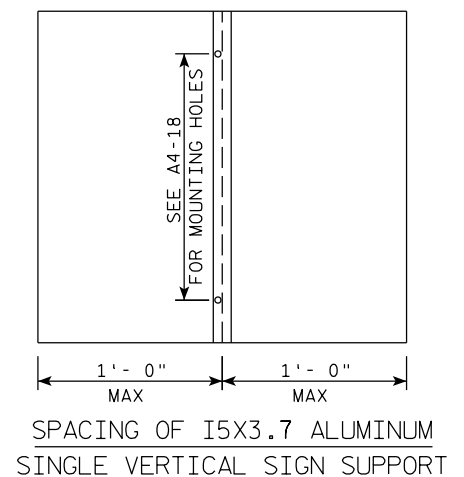
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE STAINLESS BOLTS AT BOLT HOLES IN SIGN PANEL PER SIGN PLATE A4-18.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
STAINLESS STEEL U-BOLTS, BOLTS, AND LOCKWASHERS ASTM 304.
STAINLESS STEEL HEX NUTS ASTM A276.
ALUMINUM I-BEAMS ARE 6061-T6.
9. SLOTTED HOLES IN I-BEAMS ARE NOT ALLOWED



TYPICAL SIGN CONNECTION FOR
2-CHORD OR 4-CHORD TRUSS
PLAN VIEW



TYPICAL SIGN CONNECTION FOR
MONOTUBE
PLAN VIEW

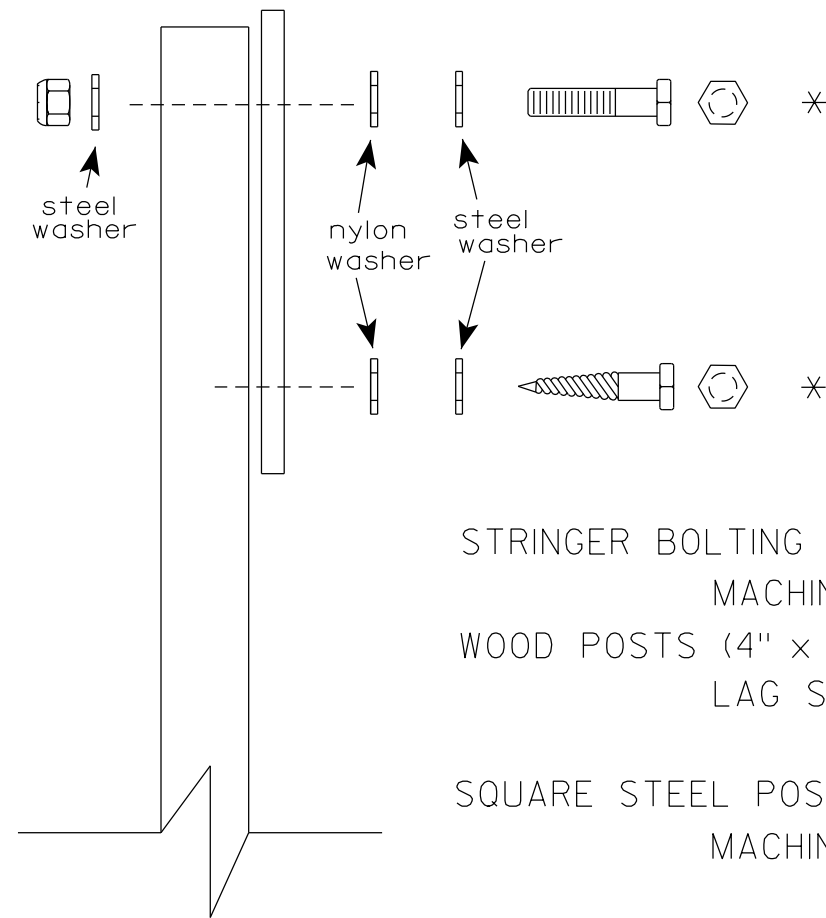
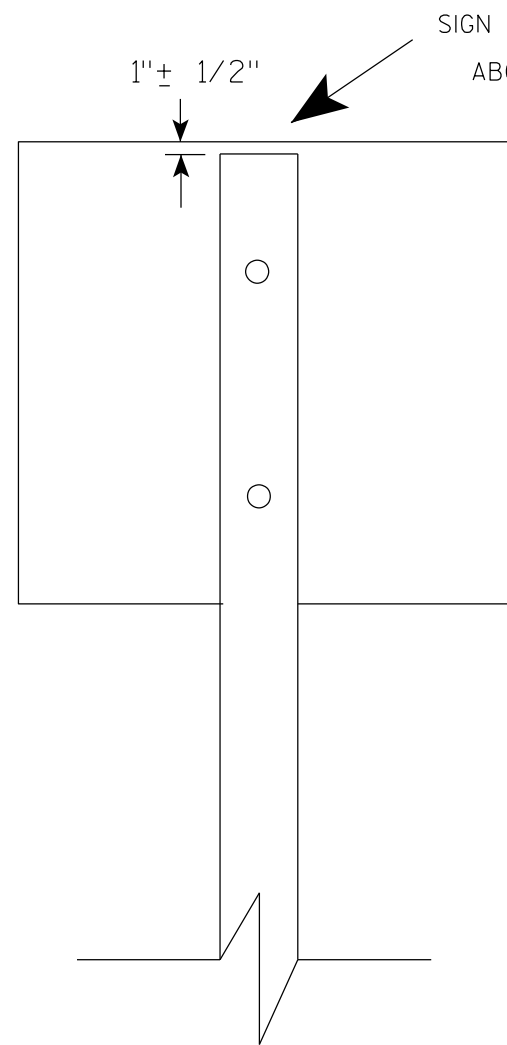


TYPE II SIGN CONNECTION
TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/07/20 PLATE NO. A4-7B.1



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

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

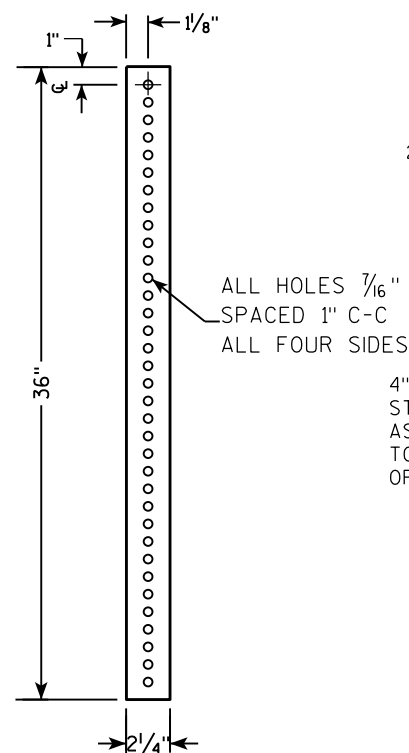
Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

- STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
- MACHINE BOLTS - $\frac{5}{16}$ " 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

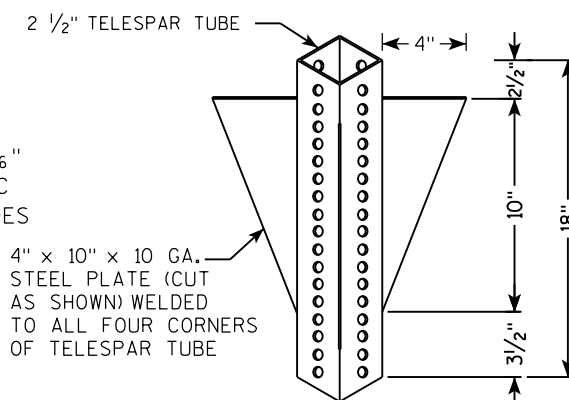
* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require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

**2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH**



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



TECHNICAL DRAWING OF A SIGNPOST ASSEMBLY:

- SIGN**: Indicated at the top of the post.
- SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL**: Reference to specific hardware.
- 2" STEEL TUBULAR SQUARE UPPER SECTION**: The main vertical support.
- ALL HOLES $\frac{7}{16}$ " SPACED 1" C-C ALL FOUR SIDES**: Specification for the upper section's holes.
- $\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT**: Hardware used for anchoring.
- 2 $\frac{1}{2}$ " GRAVEL OR DIRT**: Material placed around the base of the anchor bolts.
- TELESCOPE PIECES FLUSH AT TOP**: Description of the joint between sections.
- 18" DIA SCHEDULE 40 PVC BOX-OUT**: The lower section of the post.
- $\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT**: Hardware for the box-out connection.
- 2 $\frac{1}{2}$ " SQUARE X 18" (SOIL STABILIZING SLEEVE)**: Sleeve connecting the two sections.
- 2 $\frac{1}{4}$ " SQUARE X 36"**: The bottom-most section of the post.
- Dimensions**:
 - Overall height of the lower section: 36"
 - Height from ground to top of box-out: 18"
 - Height of box-out: 13"

TECHNICAL DRAWING OF A SIGNPOST ASSEMBLY.

Side View Dimensions:

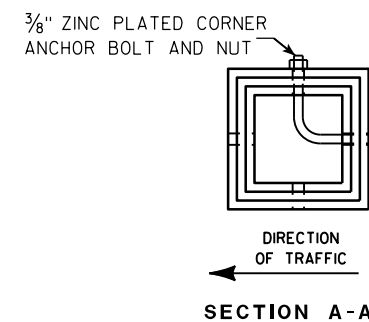
- Overall height: LENGTH SHOWN ON MISC. Q'TYS
- Section A-A: 36" (Total height of the main post section)
- Section B-B: 18" (Height of the upper section)
- Section C-C: 12" (Height of the lower section)

End View Details:

- SIGN:** Indicated at the top.
- SEE SIGN PLATE A4-8 FOR BOLT WASHER, & NUT MATERIAL**
- 2" STEEL TUBULAR SQUARE UPPER SECTION**
- ALL HOLES $\frac{7}{16}$ " SPACED 1" C-C**
- ALL FOUR SIDES**
- $\frac{3}{8}$ " ZINC PLATED CORNER ANCHOR BOLT AND NUT**
- 1"** (Dimension for the corner anchor bolt/nut)
- $\frac{3}{8}$ " ZINC PLATED ANCHOR BOLT AND NUT**
- 2 1/2" SQUARE X 18" (SOIL STABILIZING SLEEVE)**
- 2 1/4" SQUARE X 36"**

Assembly Notes:

- TELESCOPE PIECES FLUSH AT TOP
- Section A-A shows the post embedded in a base.
- Section B-B shows the post embedded in a base.
- Section C-C shows the post embedded in a base.



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 PLATI 155 14-9.9

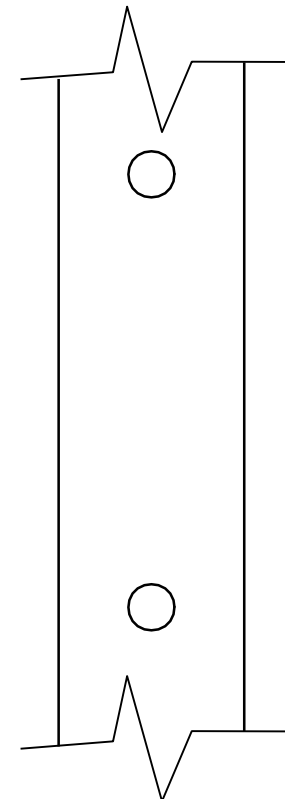
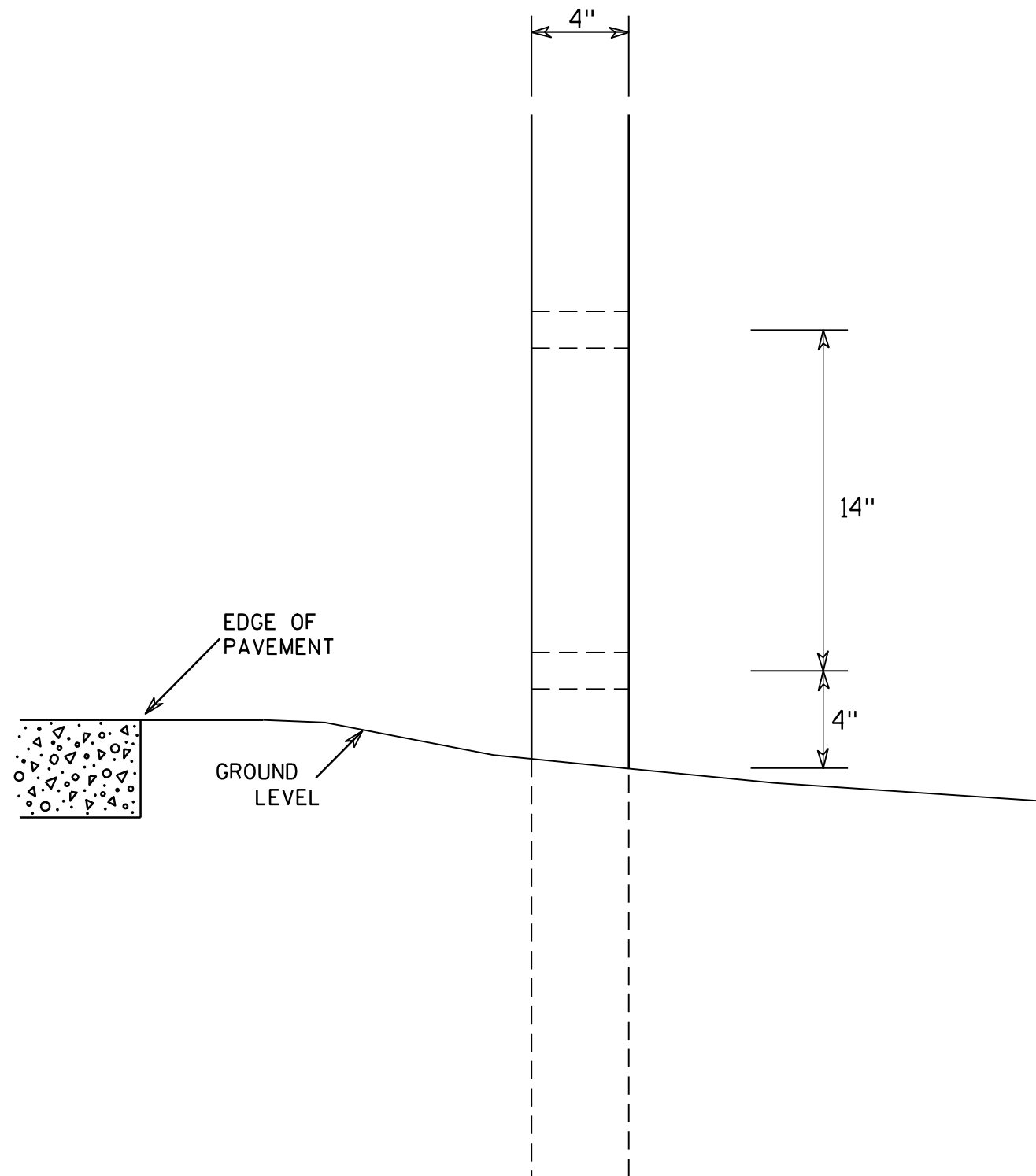
PROJECT NO:

HWY:

COUNTY:

SHEET NO:

T



SIDE VIEW

GENERAL NOTES

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

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Chester J. Spang
for State Traffic Engineer

DATE 3/27/97

PLATE NO. A4-11.2

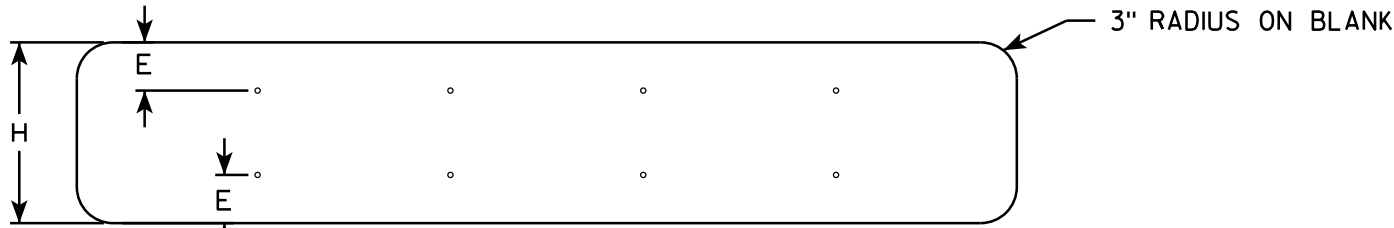
PROJECT NO:

HWY:

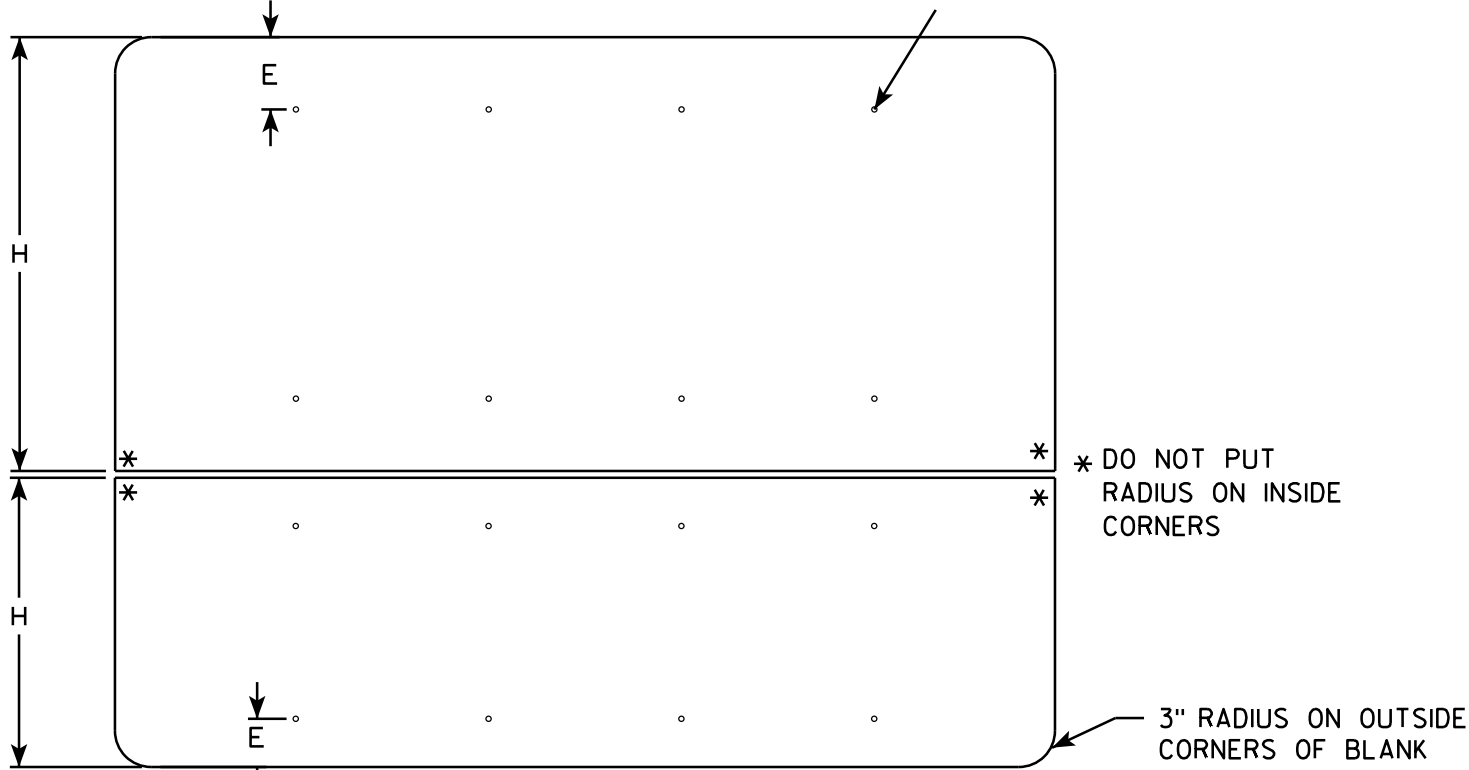
COUNTY:

SHEET NO: 156

E



SINGLE PIECE ALUMINUM SIGN 1/16" MOUNTING HOLES

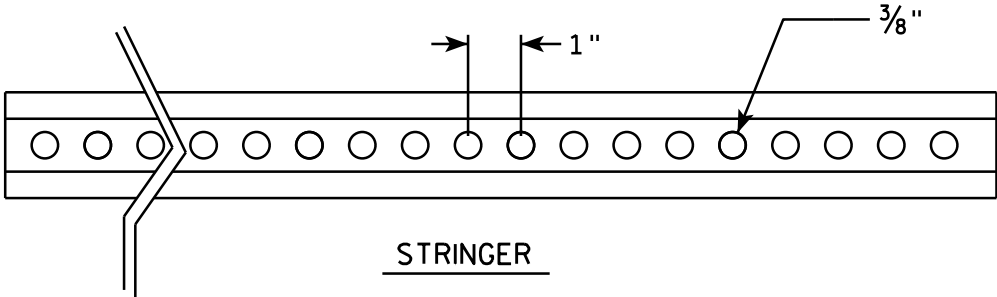


MULTI-PIECE ALUMINUM SIGN

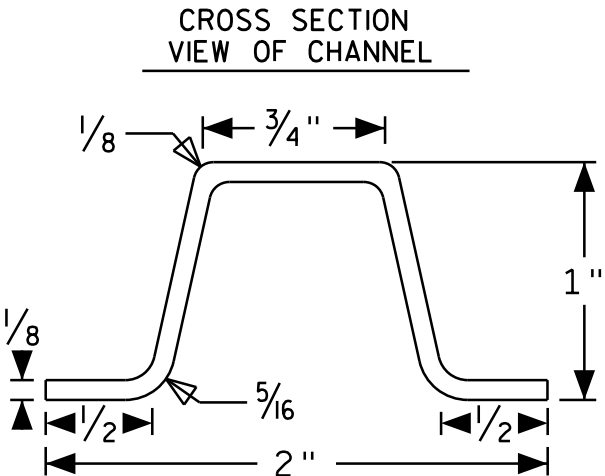
GENERAL NOTES

- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

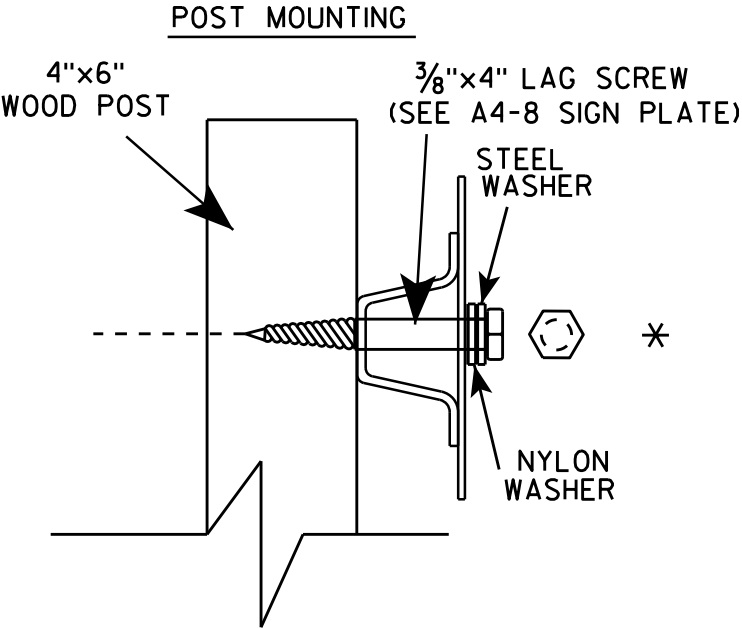
SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES			
78"	72"	2	16"	15"	31"	47"	63"
84"	72"	2	17"	16 1/2"	33 1/2"	50 1/2"	67 1/2"
90"	72"	2	18"	18"	36"	54"	72"
96"	90"	2	19"	19 1/2"	38 1/2"	57 1/2"	76 1/2"
102"	90"	2	20"	21"	41"	61"	81"
108"	90"	2	21"	22 1/2"	43 1/2"	64 1/2"	85 1/2"
114"	108"	3	15"	12"	27"	42"	57" 72" 87" 102"
120"	108"	3	16"	12"	28"	44"	60" 76" 92" 108"
126"	108"	3	17"	12"	29"	46"	63" 80" 97" 114"
132"	126"	3	18"	12"	30"	48"	66" 84" 102" 120"
138"	126"	3	19"	12"	31"	50"	69" 88" 107" 126"
144"	126"	3	20"	12"	32"	52"	72" 92" 112" 132"



STRINGER



CROSS SECTION VIEW OF CHANNEL



POST MOUNTING

SIGN STRINGER
MOUNTING REQUIREMENTS

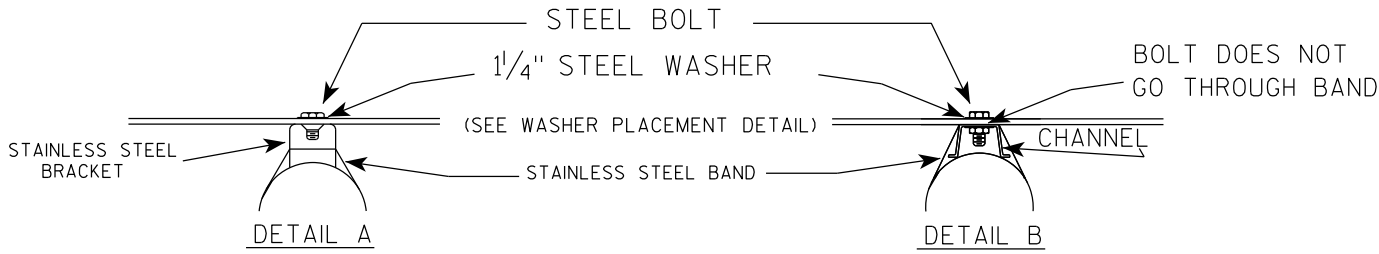
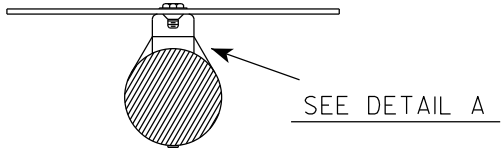
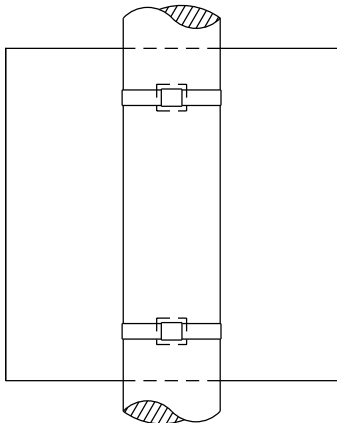
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/26/16 PLATE No A4-18.1
157

BANDING

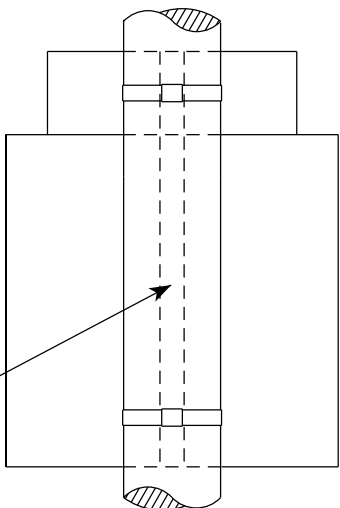
SINGLE SIGN



GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be $\frac{3}{4}$ " in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

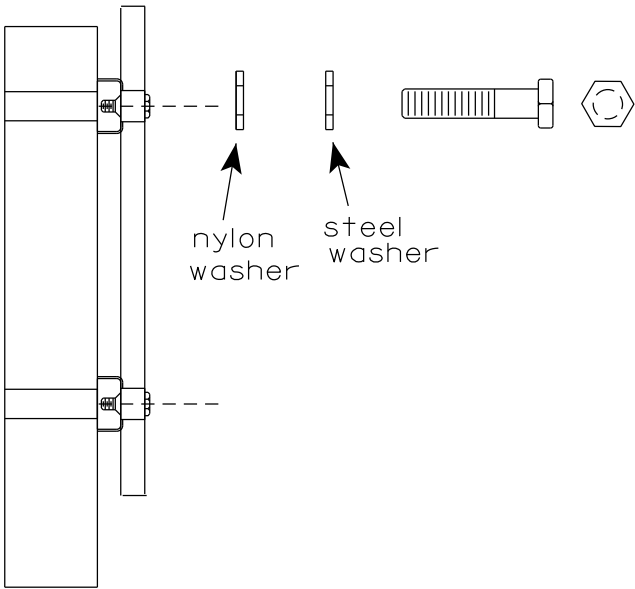
"J" ASSEMBLY



CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET

SEE DETAIL B

WASHER PLACEMENT

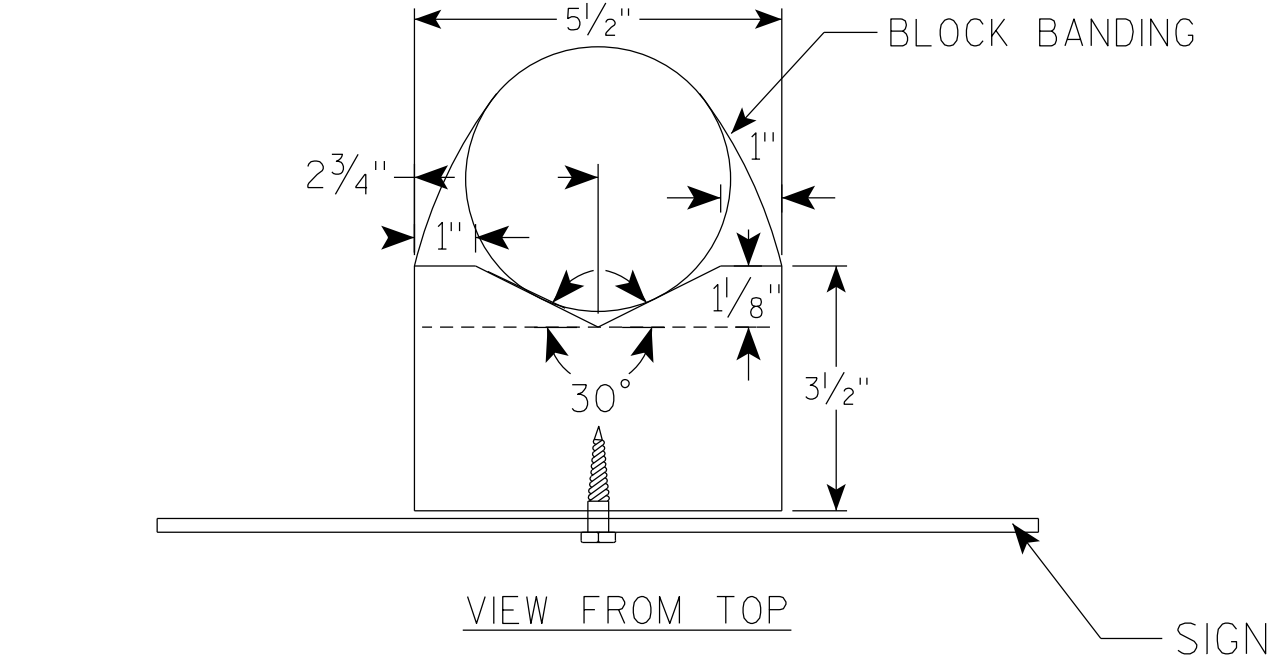
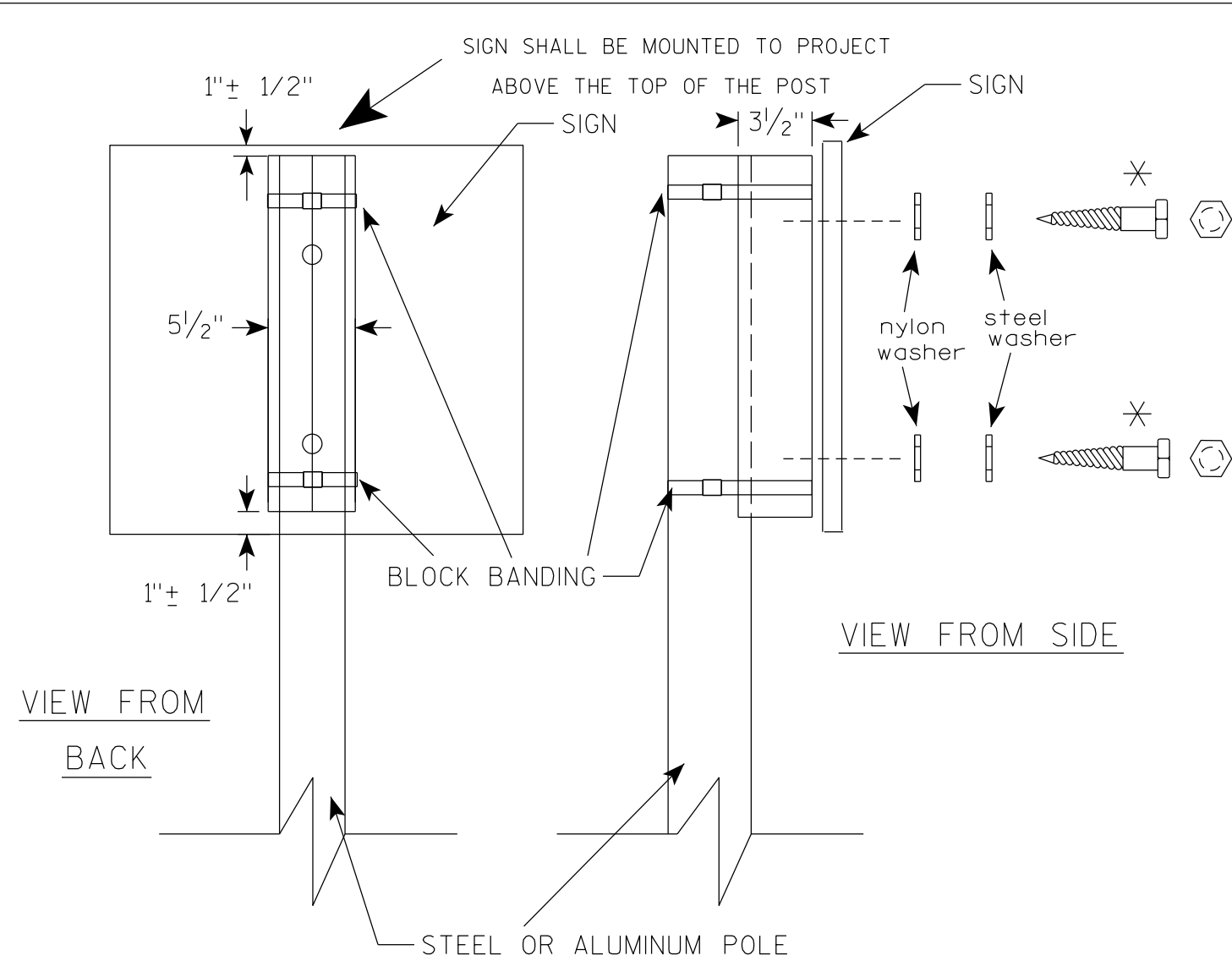


WASHERS (ALL POSTS) -
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 6/10/19 PLATE NO. A5-9.4



GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WISDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, 3/4" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORMALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
 - a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
 - b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1 1/4" O.D. X 3/8" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1 1/4" O.D. X 3/8" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✱ LAG BOLTS SHALL BE 3/8" X 2 1/2"

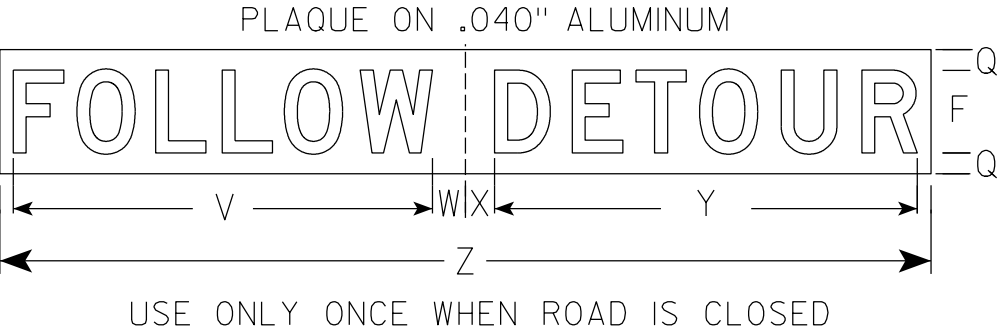
BLOCK BANDING DETAIL
(V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

7



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.

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

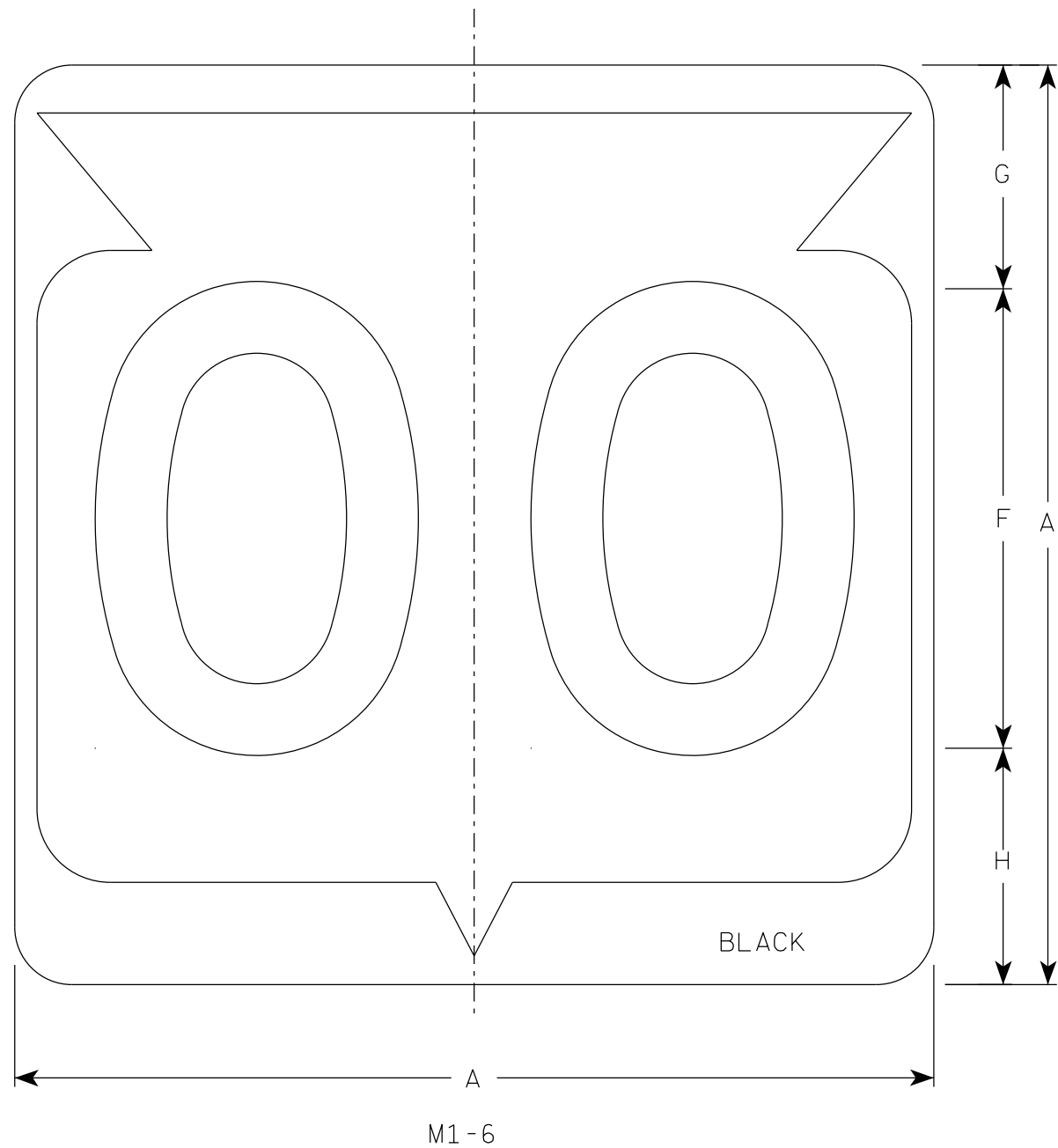
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 9/25/19 PLATE NO. G20-57C.1

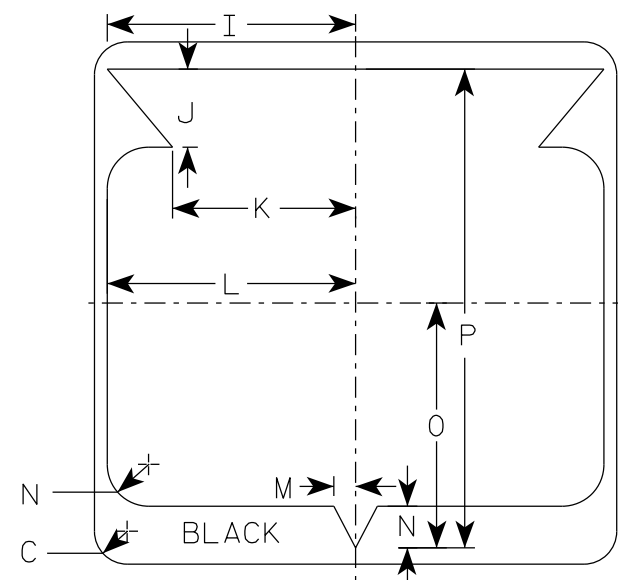
7

7



NOTES

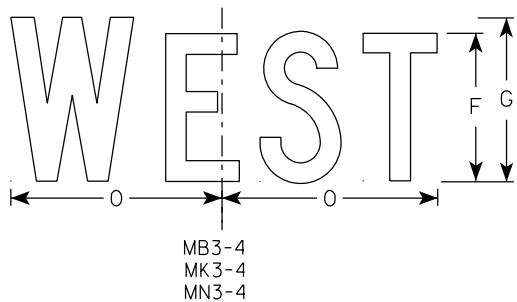
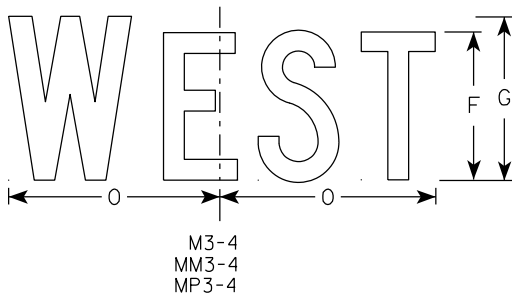
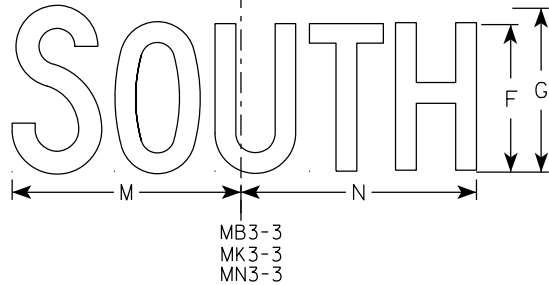
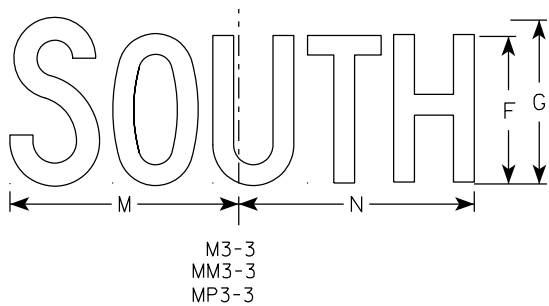
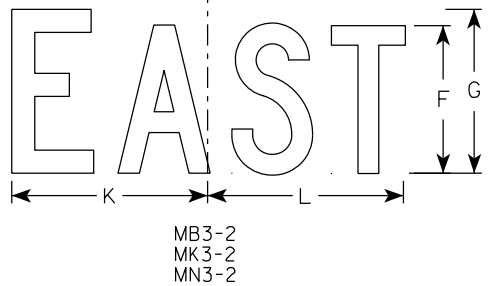
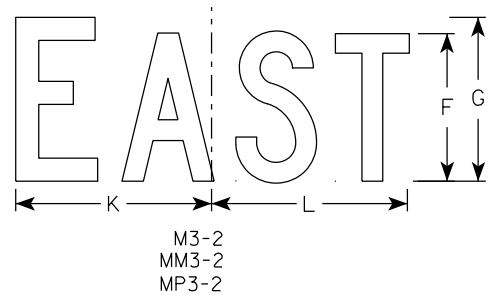
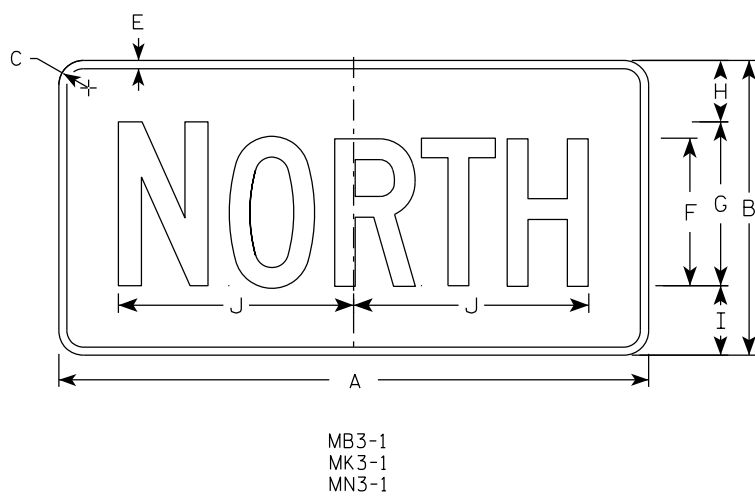
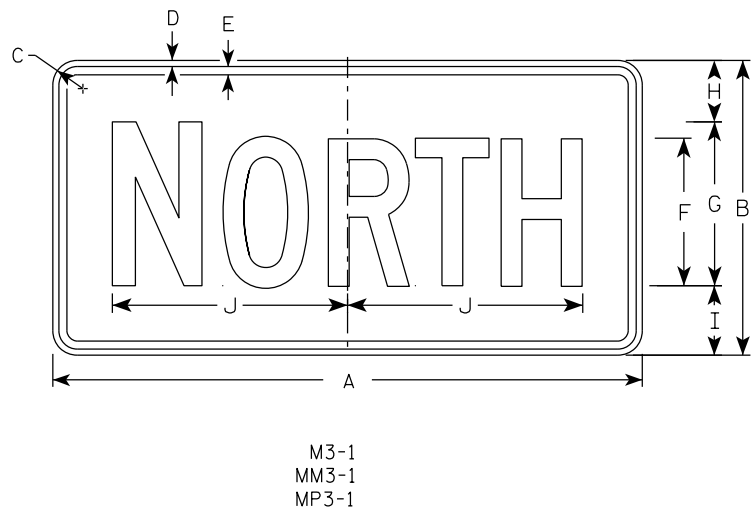
1. Sign is Type II - Type H Reflective
2. Color:
Background - White
Message - Black
3. Message Series - D except 3 number signs Series C



7

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	v	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
2M	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

STATE ROUTE MARKER M1-6 FOR ASSEMBLIES	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 11/8/2022	PLATE NO. M1-6.11



NOTES

1. All Signs Type II - Type H Reflective
2. Color:
Background - See note 5
Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
Message - Black
MB3-1 thru MB3-4 Background - Blue
Message - White
MK3-1 thru MK3-4 Background - Green
Message - White
MM3-1 thru MM3-4 Background - White
Message - Green
MN3-1 thru MN3-4 Background - Brown
Message - White
MP3-1 thru MP3-4 Background - White
Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

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

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 162

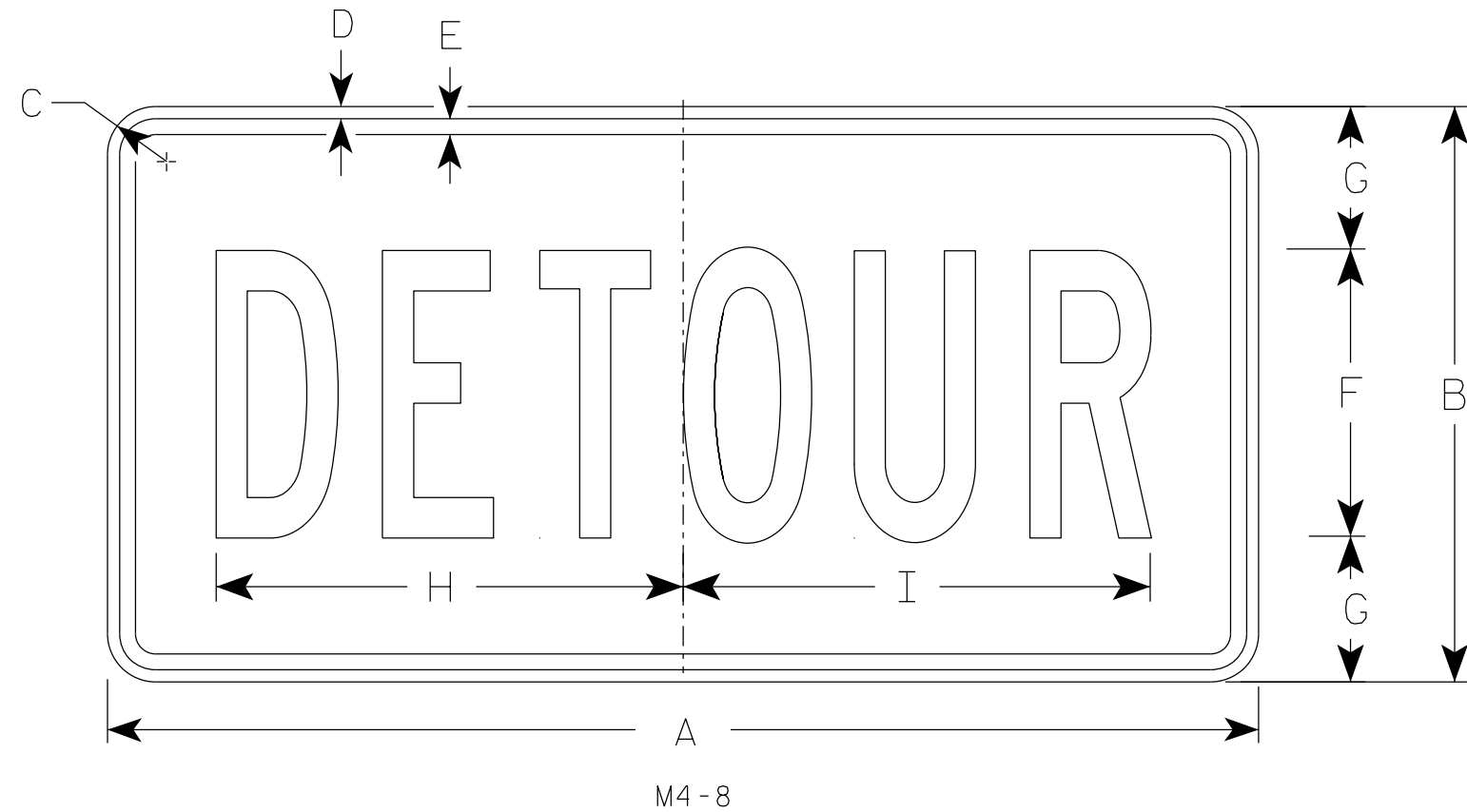
E

7

7

NOTES

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



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

STANDARD SIGN

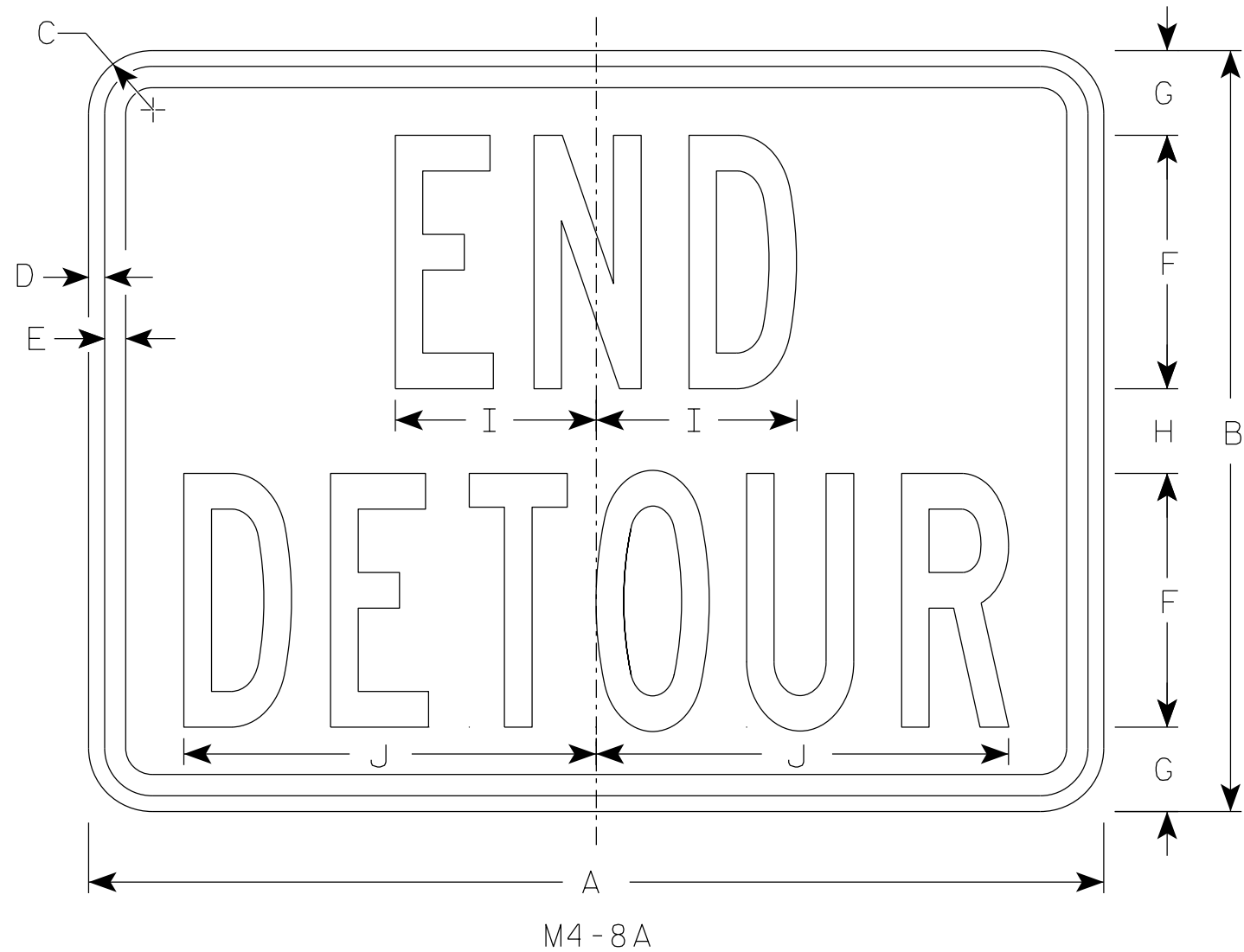
M4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8.4

7



NOTES

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

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 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
2M	24	18	1 1/2	3/8	1/2	6	2	2	4 3/4	9 3/4																	3.0
3	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
4	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0
5	30	24	1 1/2	3/8	1/2	8	2 1/2	3	6 3/4	13																	5.0

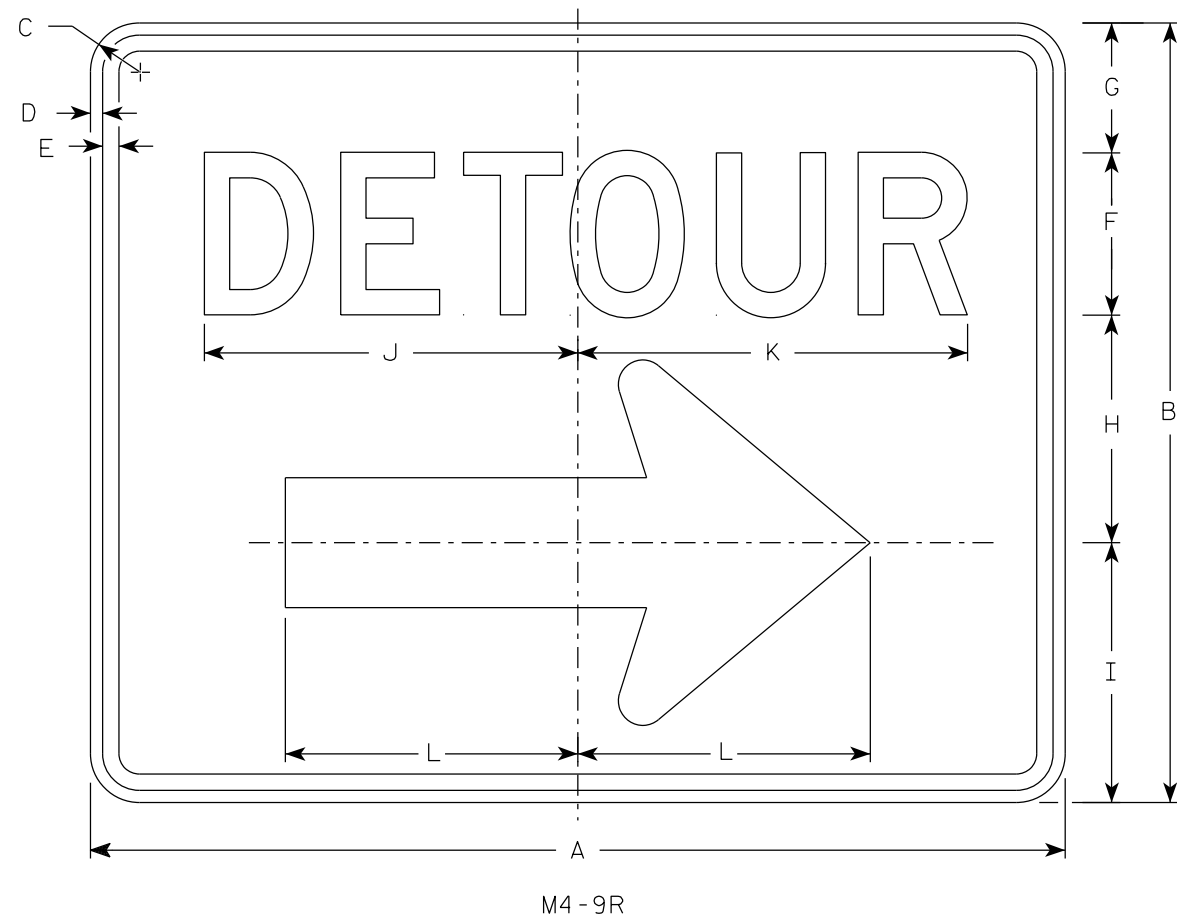
STANDARD SIGN

M4-8A

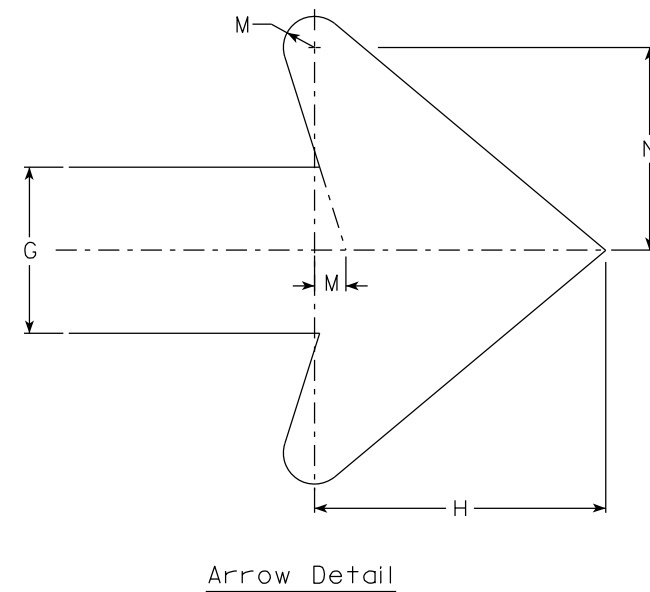
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R Rauch*
For State Traffic Engineer

DATE 2/9/2023 PLATE NO. M4-8A.4



- NOTES
1. Sign is Type II - Type F Reflective
 2. Color:
Background - Orange
Message - Black
 3. Message Series - D
 4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
 4. M4-9L is the same as M4-9R except the arrow is reversed.



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 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
2M	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
3	30	24	1 1/2	3/8	1/2	5	4	7	8	11 1/2	12	9	3/4	4 7/8													5.00
4	48	36	1 7/8	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 7/8	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

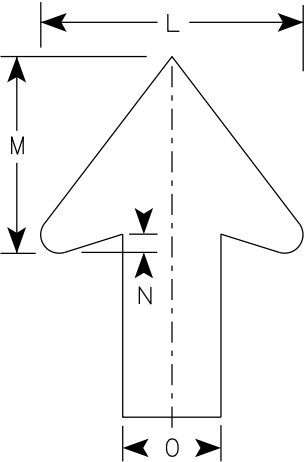
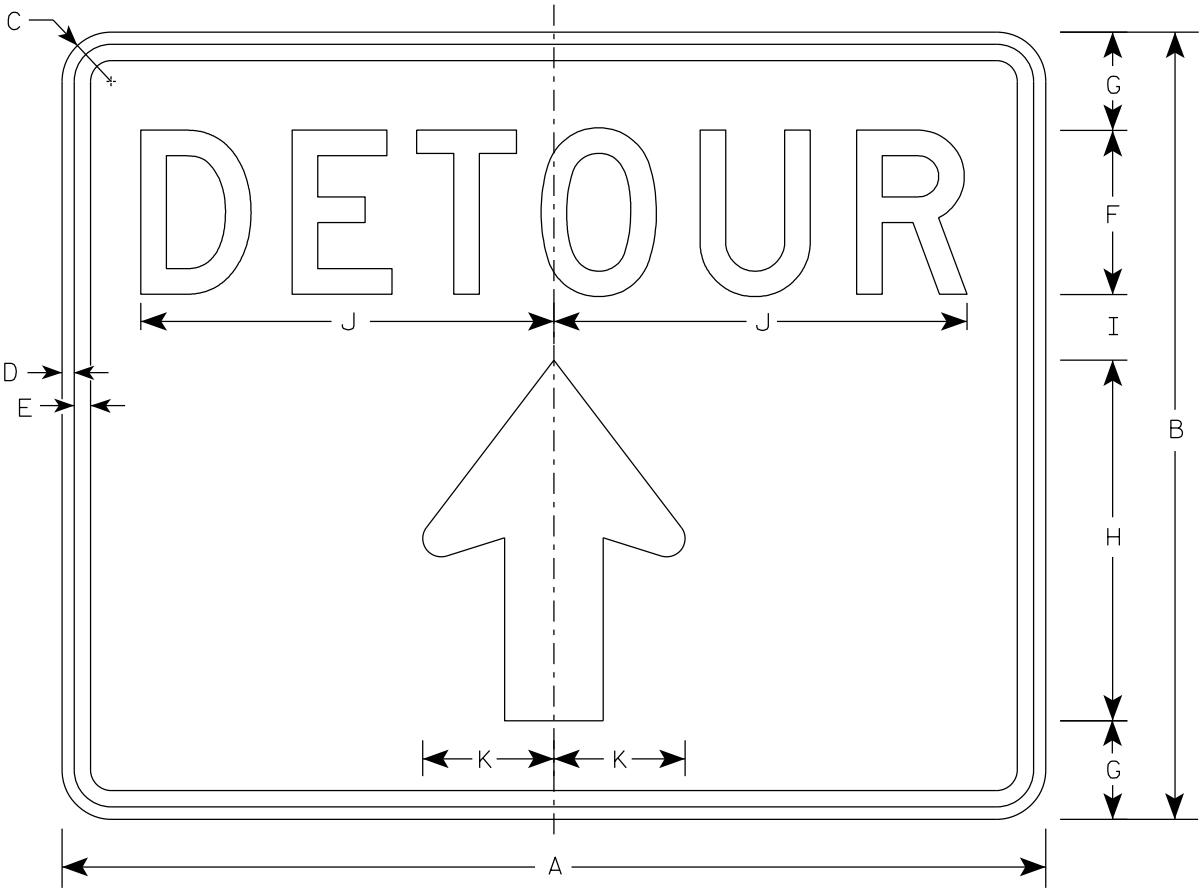
STANDARD SIGN M4-9 R & L	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 2/9/2023	PLATE NO. M4-9R.6

7

7

NOTES

- 1. Sign is Type II-Type F Reflective
- 2. Color:
Background - Orange
Message - Black
- 3. Message Series - D



Arrow Detail

M4 - 9RA

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

STANDARD SIGN

M4-9RA

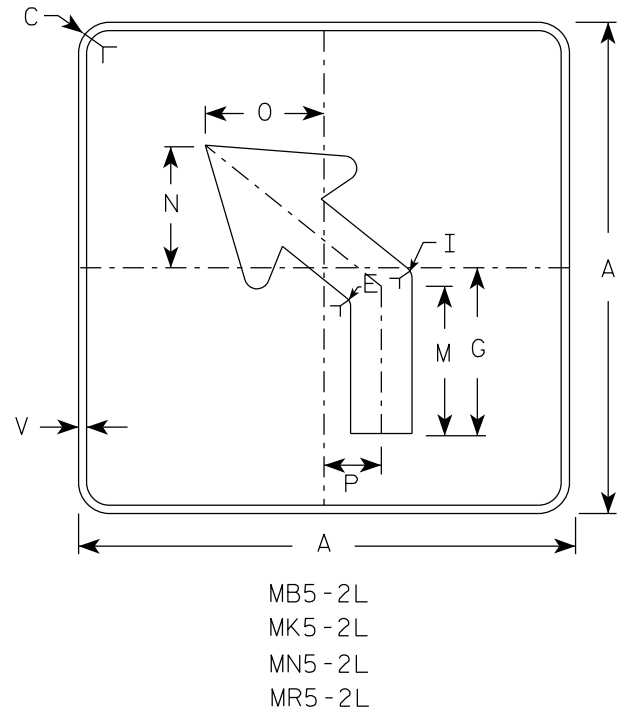
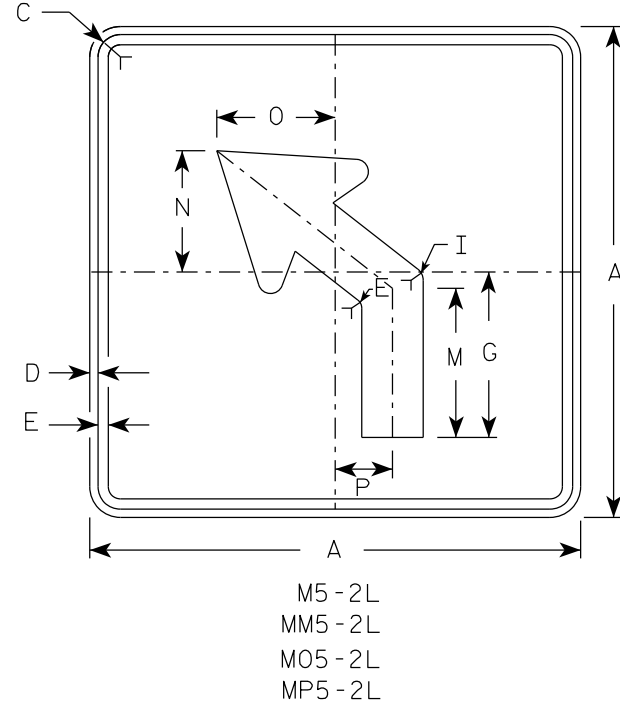
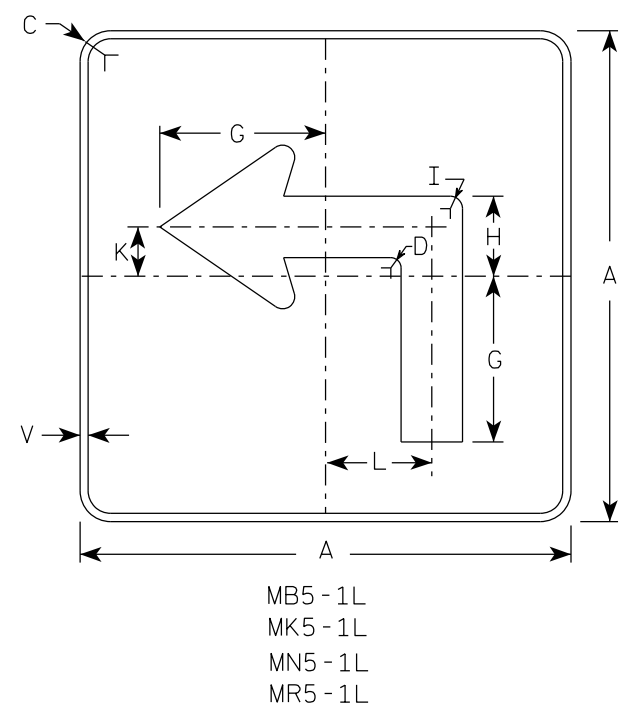
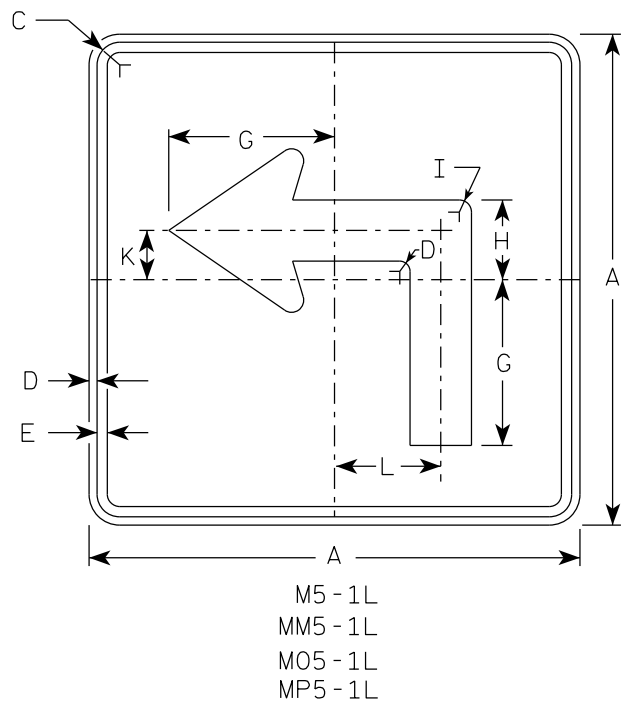
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*

for State Traffic Engineer

DATE 2/9/2023

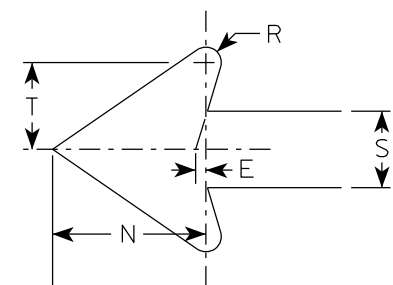
PLATE NO. M4-9RA.3



NOTES

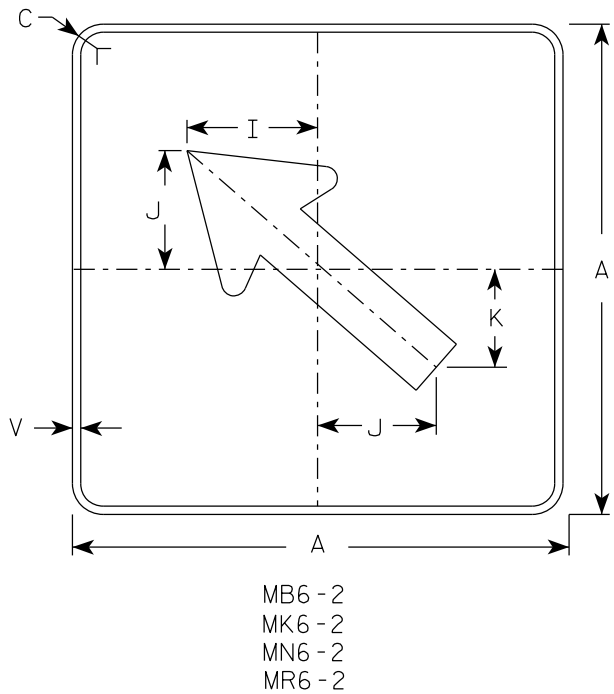
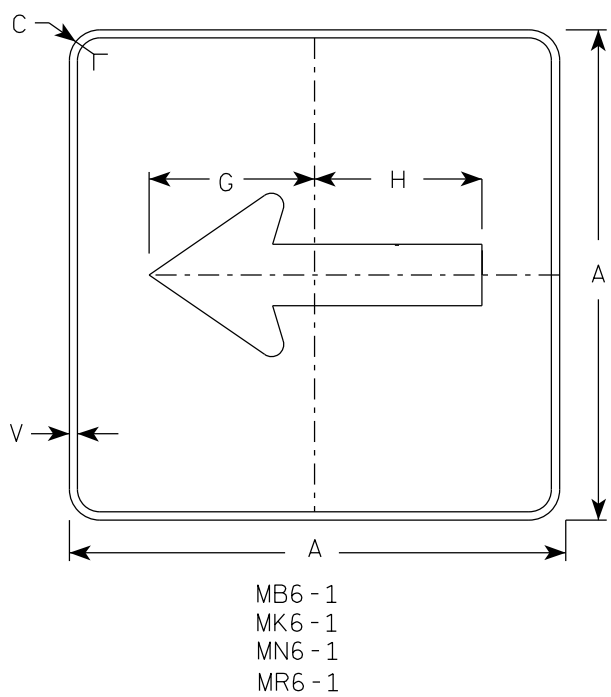
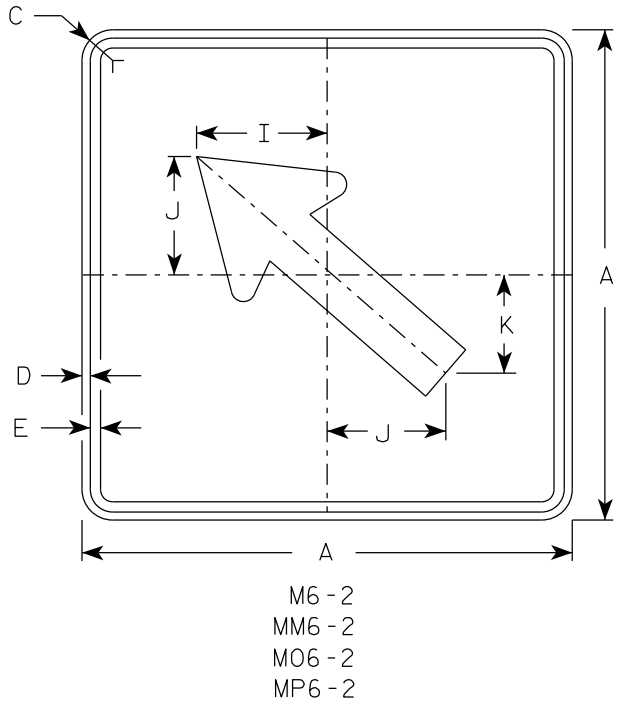
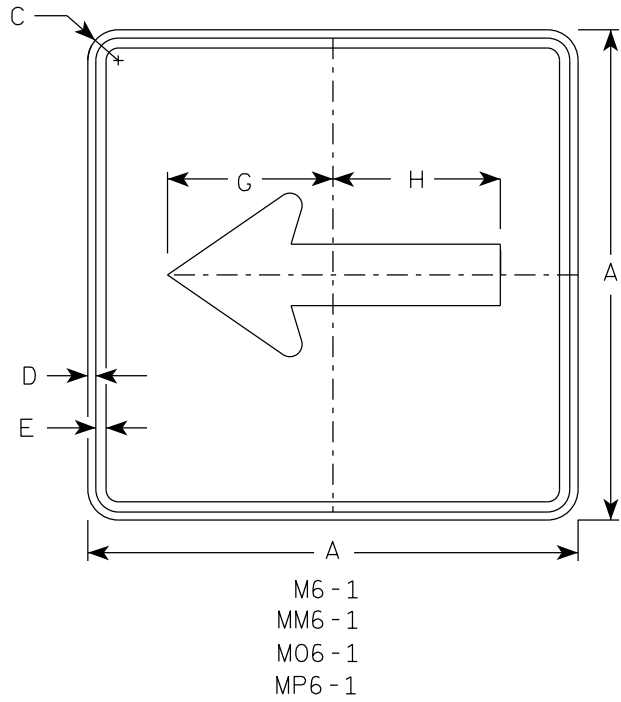
- Signs are Type II - Type H reflective except as shown
- Color:
Background - See note 4
Message - See note 4
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- | | | |
|-----------|-------|---|
| 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 |
| | | 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.

ARROW DETAIL

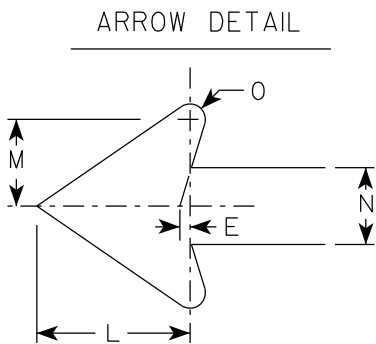


SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
2M	21		1 1/2	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3		1/2					3.06
3	30		1 7/8	1/2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

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 167	E
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- 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.
 - 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



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

STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

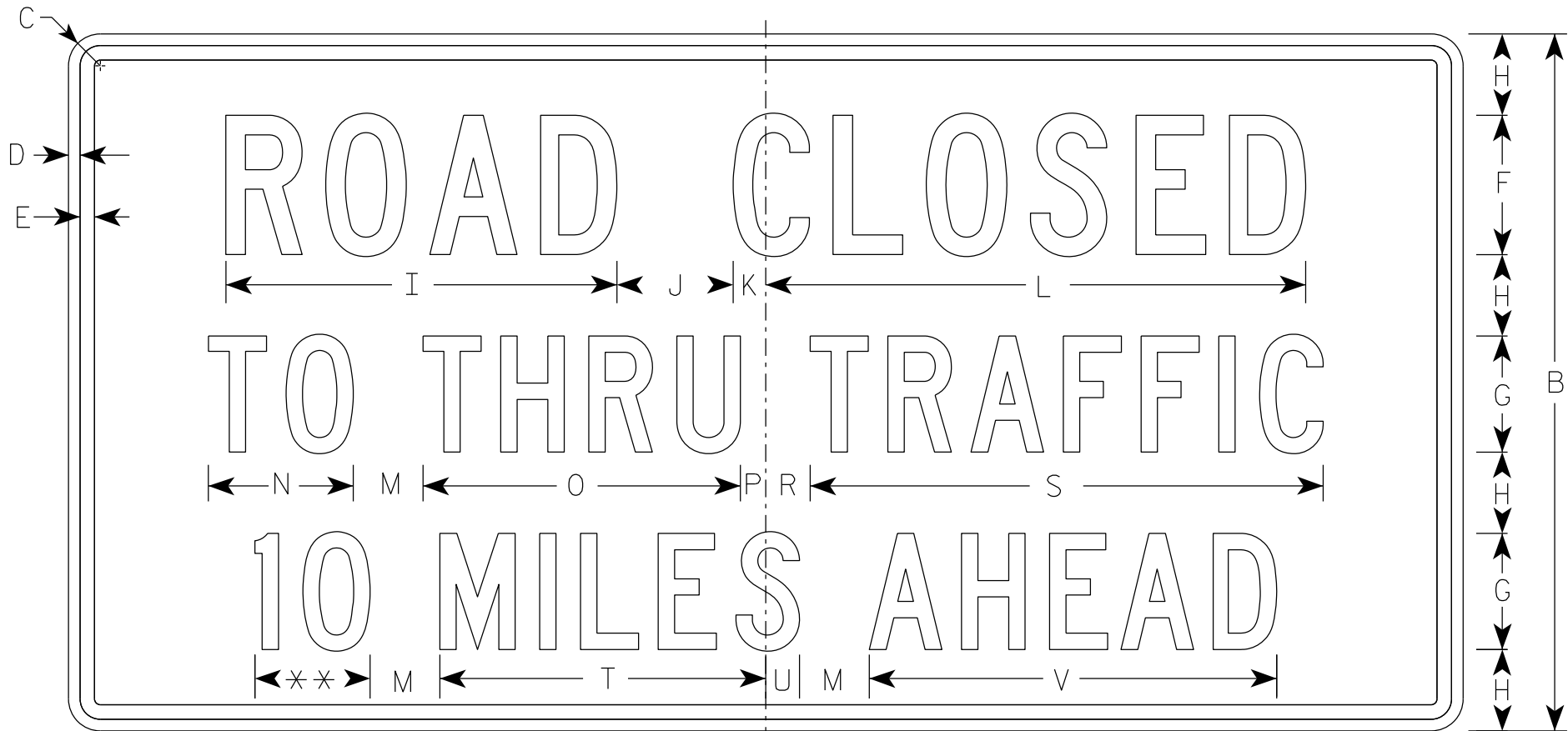
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/13/2023 PLATE NO. M6-1.16

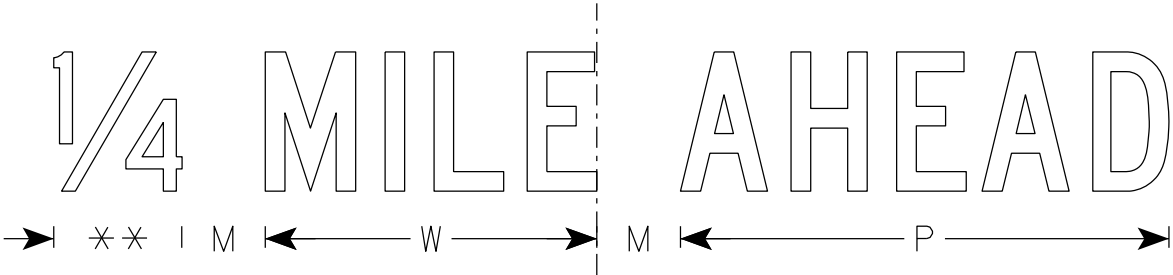
NOTES

- 1. Sign is Type II - Type H Reflective
- 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.
- 5. Substitute appropriate numerals to nearest quarter mile and optically adjust spacing to achieve proper balance.



R11-3

** 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	18	1 1/2	3/8	3/8	4	3	2	11 1/4	3	1 1/8	15 3/8	2	3 3/4	8 1/4	5/8		1 3/8	13 1/4	8 3/8	7/8	10 1/2	7 1/8				4.5
2S	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
2M	60	30	1 7/8	1/2	5/8	6	5	3 1/2	16 7/8	5	1 3/8	23 1/4	3	6 1/4	13 5/8	1 1/8		1 7/8	22 1/8	14	1 1/2	17 1/2	11 7/8				12.5
3																											
4																											
5																											

STANDARD SIGN
R11-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/5/24 PLATE NO. R11-3.10

PROJECT NO:

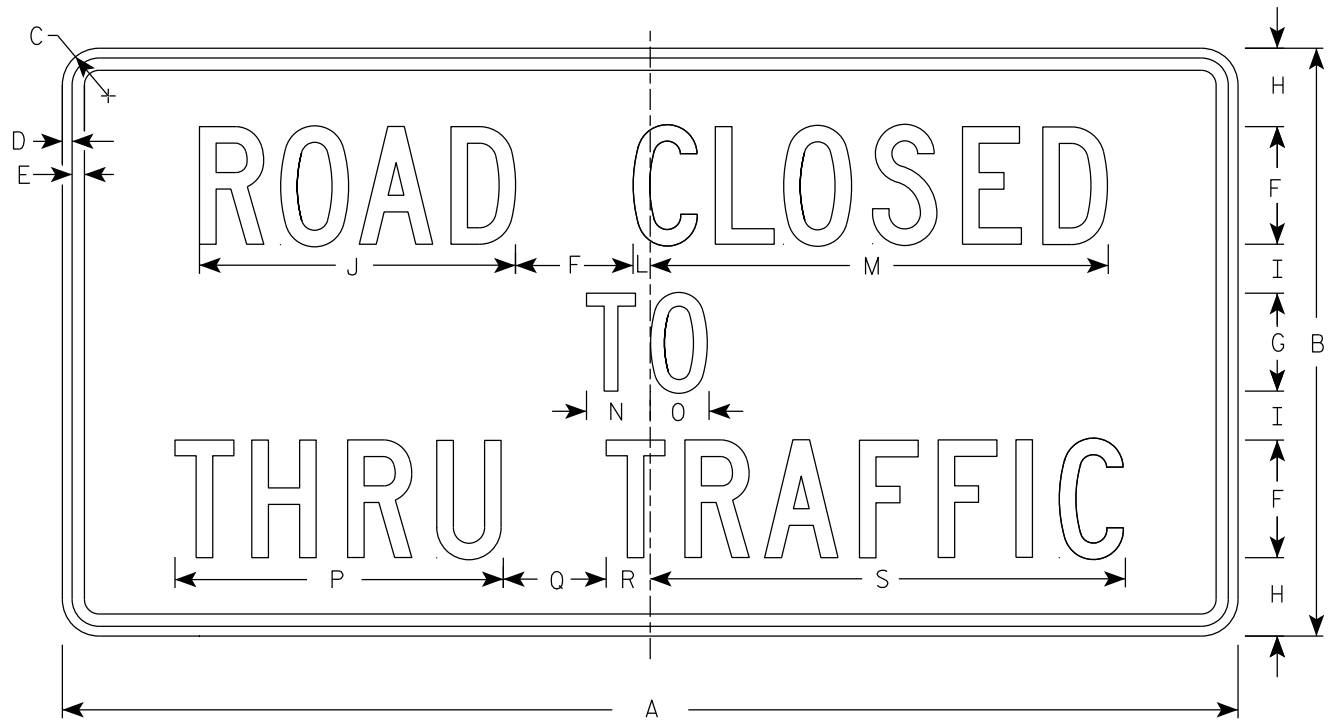
HWY:

COUNTY:

SHEET NO: 169

E

7



R11-4

NOTES

- 1. Sign is Type II - Type H Reflective
- 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.

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 7/8	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 7/8	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																											

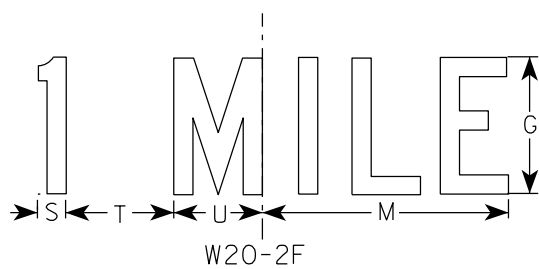
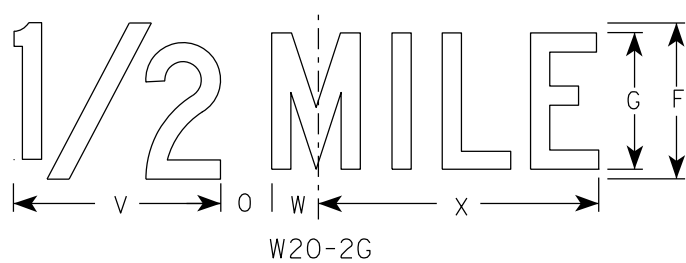
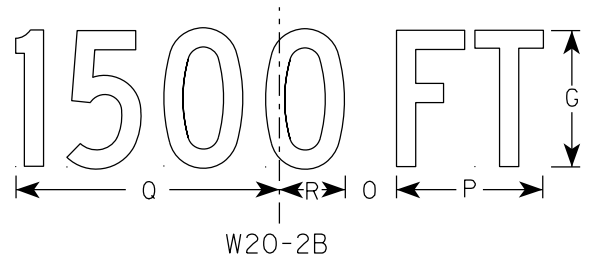
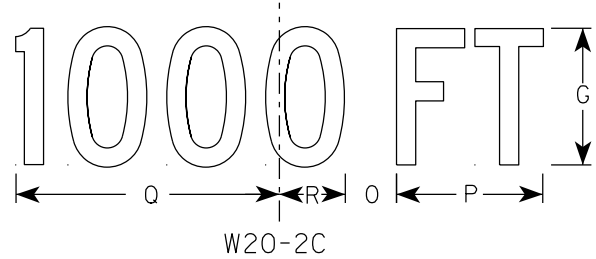
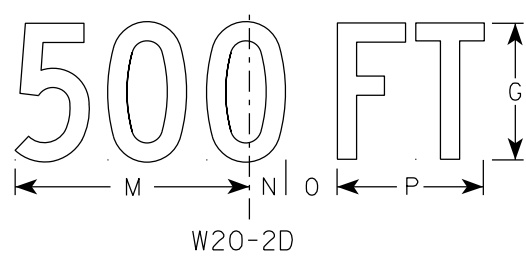
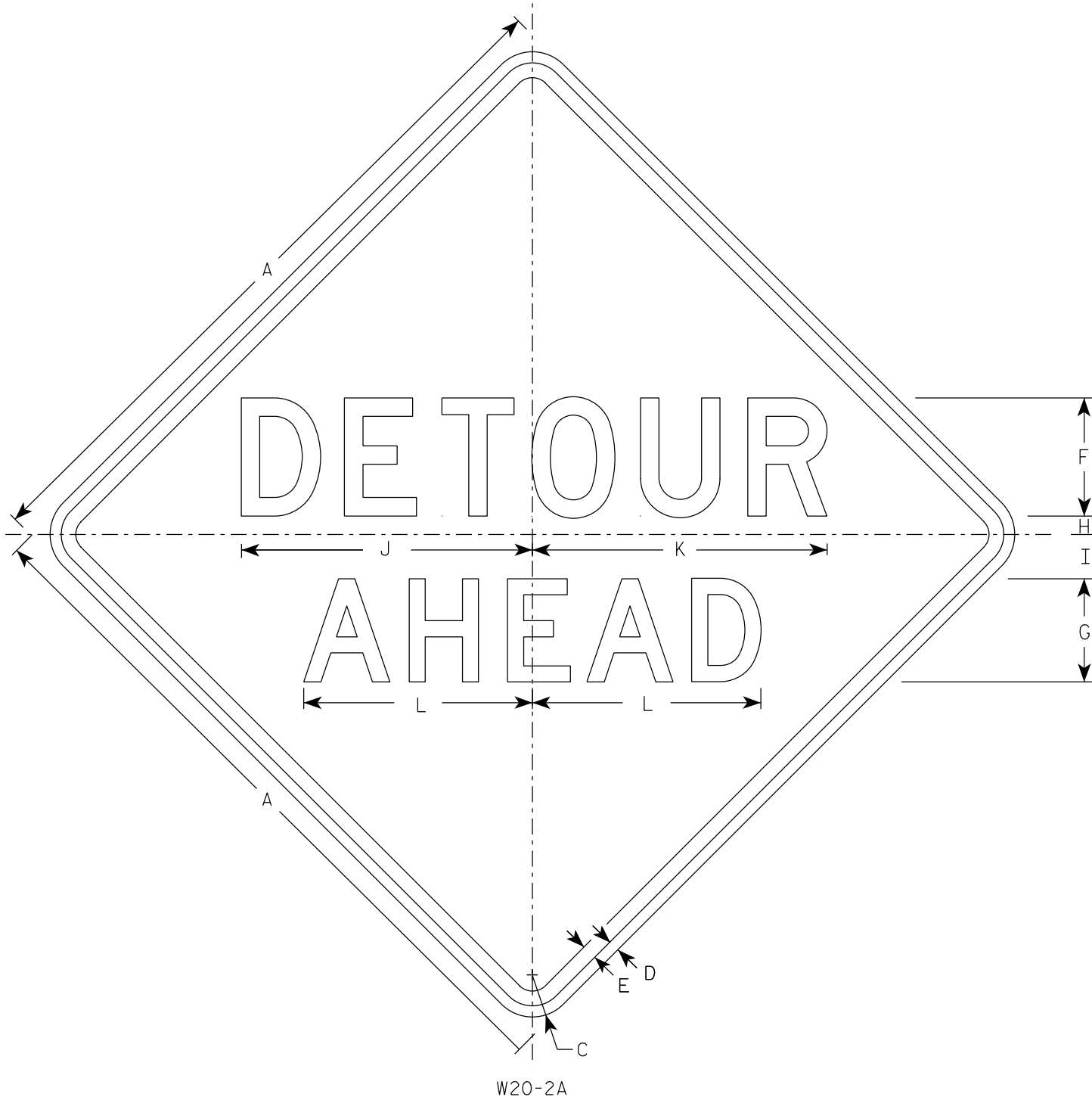
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 170

E



NOTES

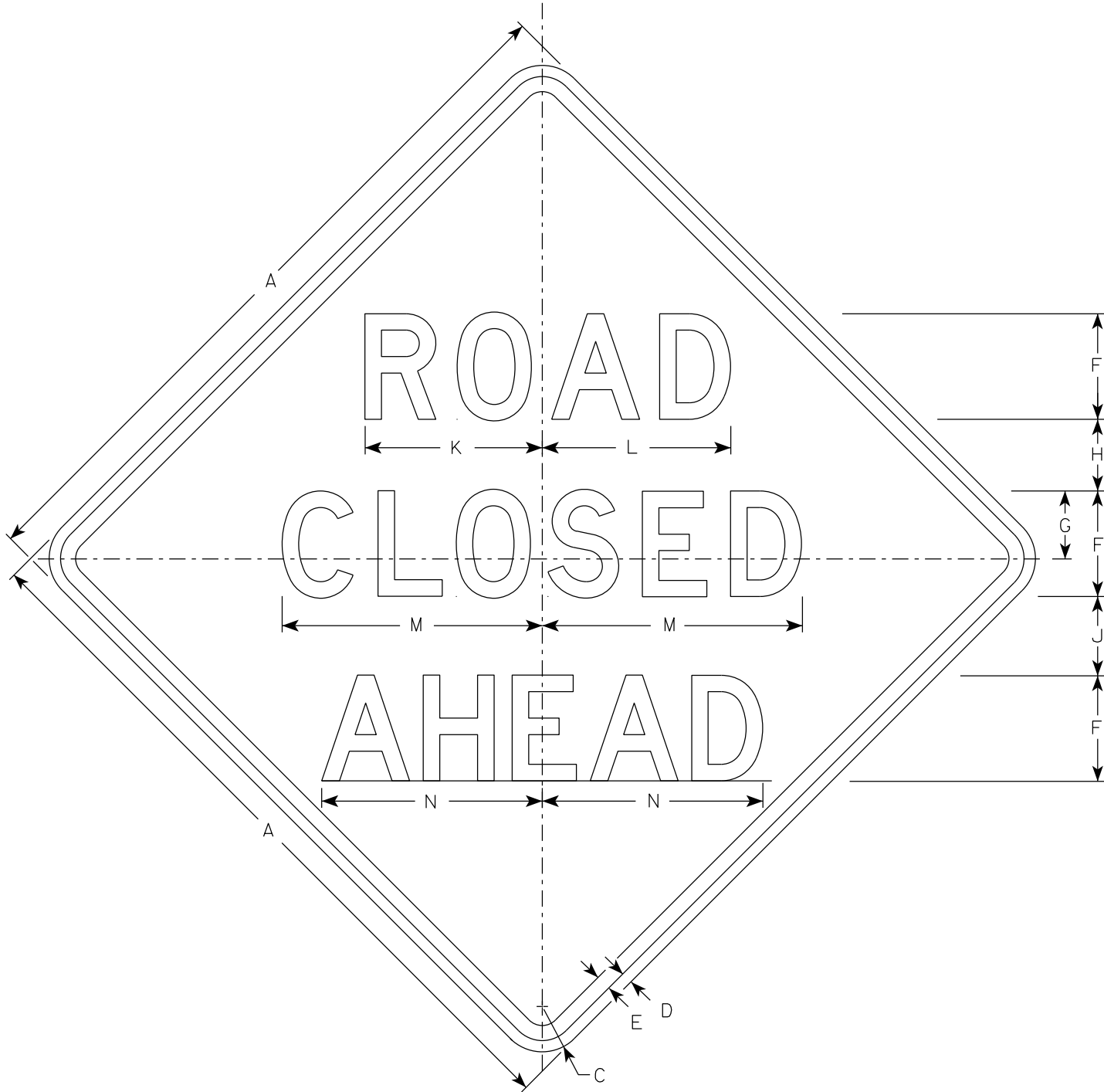
- Sign is Type II - Type F Reflective
- Color:
Background - Orange
Message - Black
- Message Series - See note 5
- Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
- Line 1 is Series D.
Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		2 1/4	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		3	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

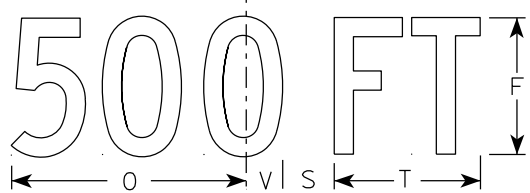
STANDARD SIGN W20-2A,B,C,D,F & G	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 1/10/2024	PLATE NO. W20-2.7

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 171	E
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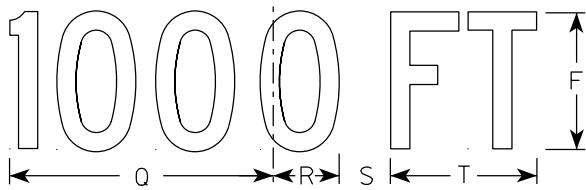
7



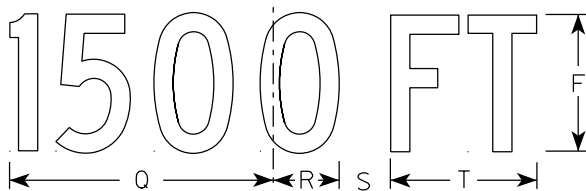
W20-3A



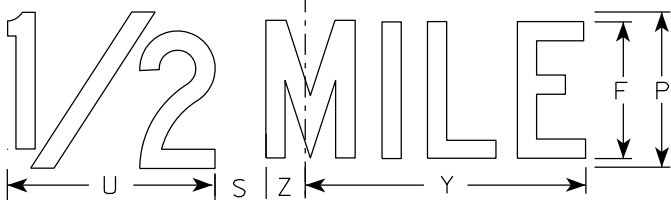
W20-3D



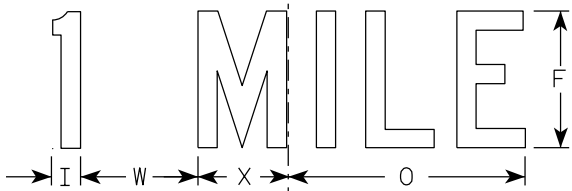
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

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

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

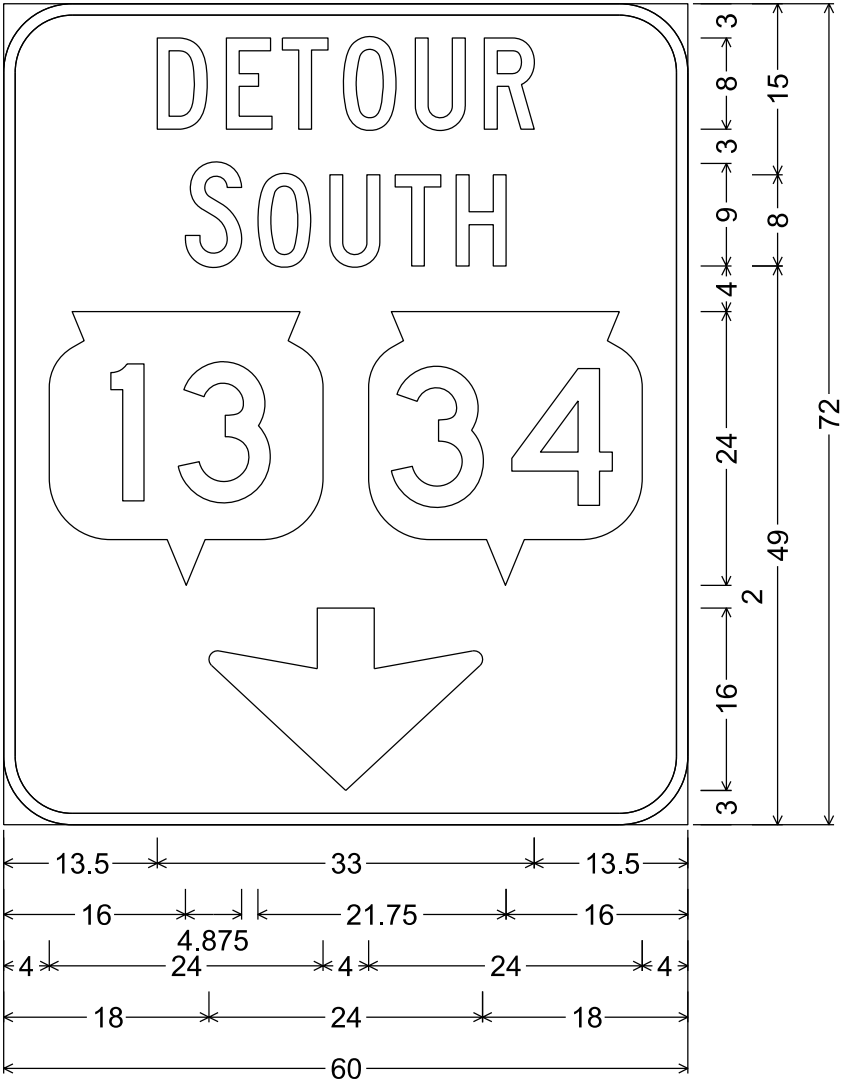
STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/10/2024 PLATE NO. W20-3.8

7



D16-1; 6.000" Radius, 1.000" Border

NOTES

- 1. Fixed Message Sign Type II - Type F Reflective
- 2. Color:
 - Background - Orange
 - Message - Black
- 3. Message Series - C

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MICAH BROOKS	608-266-5080
KYLE BUSCH	608-267-0465

SCALE = 16

DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDNATE NOTE 14
			NOTE 2	NOTE 4	NOTE 3						
353+00.00	35300.00	0.00	61.65	15.00	0.00	0	0	0	0	0	0
353+50.00	35350.00	50	68.85	15.00	0.00	121	28	0	121	0	93
354+00.00	35400.00	50	65.61	15.00	2.44	125	28	2	246	3	187
354+50.00	35450.00	50	54.40	15.00	0.38	111	28	3	357	7	267
354+95.00	35495.00	45	40.38	15.00	0.00	79	25	0	436	7	321
355+00.00	35500.00	5	39.60	15.00	0.00	7	3	0	443	7	325
355+50.00	35550.00	50	25.96	0.00	0.00	61	14	0	504	7	372
356+00.00	35600.00	50	24.57	0.00	0.10	47	0	0	551	7	419
356+50.00	35650.00	50	23.58	0.00	0.57	45	0	1	596	8	462
357+00.00	35700.00	50	22.56	0.00	0.82	43	0	1	639	9	504
357+50.00	35750.00	50	13.71	0.00	8.85	34	0	9	673	21	526
358+00.00	35800.00	50	17.29	0.00	11.81	29	0	19	702	46	531
358+50.00	35850.00	50	14.93	0.00	6.44	30	0	17	732	68	538
359+00.00	35900.00	50	16.55	0.00	25.12	29	0	29	761	105	530
359+50.00	35950.00	50	10.78	0.00	29.70	25	0	51	786	172	488
360+00.00	36000.00	50	13.38	0.00	39.39	22	0	64	808	255	427
360+50.00	36050.00	50	10.48	0.00	37.50	22	0	71	830	347	357
361+00.00	36100.00	50	13.34	0.00	38.77	22	0	71	852	439	287
361+50.00	36150.00	50	9.95	0.00	38.07	22	0	71	874	532	216
362+00.00	36200.00	50	8.38	0.00	50.71	17	0	82	891	638	127
362+50.00	36250.00	50	8.14	0.00	48.48	15	0	92	906	758	22
363+00.00	36300.00	50	10.24	0.00	52.39	17	0	93	923	879	-82
363+50.00	36350.00	50	12.08	0.00	44.38	21	0	90	944	996	-178
364+00.00	36400.00	50	12.72	0.00	37.21	23	0	76	967	1095	-254
364+50.00	36450.00	50	13.11	0.00	27.97	24	0	60	991	1173	-308
365+00.00	36500.00	50	19.82	0.00	34.72	30	0	58	1021	1248	-353
365+48.00	36548.00	48	3.18	0.00	17.32	20	0	46	1041	1308	-393
365+50.00	36550.00	2	3.18	0.00	17.36	0	0	1	1041	1309	-394
366+00.00	36600.00	50	5.63	0.00	39.95	8	0	53	1049	1378	-455
366+50.00	36650.00	50	3.50	0.00	46.95	8	0	80	1057	1482	-551
367+00.00	36700.00	50	7.57	0.00	34.62	10	0	76	1067	1581	-640
367+50.00	36750.00	50	9.38	0.00	28.65	16	0	59	1083	1658	-701
367+99.00	36799.00	49	2.89	0.00	23.87	11	0	48	1094	1720	-752
368+00.00	36800.00	1	2.88	0.00	23.85	0	0	1	1094	1721	-753
368+50.00	36850.00	50	10.57	0.00	37.80	12	0	57	1106	1795	-815
369+00.00	36900.00	50	11.44	0.00	33.98	20	0	66	1126	1881	-881
369+24.40	36924.40	24.4	16.44	0.00	28.57	13	0	28	1139	1918	-905
369+50.00	36950.00	25.6	19.98	0.00	32.72	17	0	29	1156	1955	-925
370+00.00	37000.00	50	22.19	0.00	30.48	39	0	59	1195	2032	-963
370+50.00	37050.00	50	7.30	0.00	18.94	27	0	46	1222	2092	-996
370+62.00	37062.00	12	8.11	0.00	19.32	3	0	9	1225	2103	-1004
371+00.00	37100.00	38	28.52	0.00	22.40	20	0	16	1245	2124	-1005
371+50.00	37150.00	50	17.73	0.00	23.54	43	0	43	1288	2180	-1018
372+00.00	37200.00	50	14.68	0.00	24.07	30	0	44	1318	2237	-1045
372+50.00	37250.00	50	13.40	0.00	21.56	26	0	42	1344	2292	-1074
373+00.00	37300.00	50	12.60	0.00	25.06	24	0	43	1368	2348	-1106
373+50.00	37350.00	50	19.54	0.00	23.60	30	0	45	1398	2406	-1134
374+00.00	37400.00	50	31.57	0.00	23.34	47	0	43	1445	2462	-1143
374+37.00	37437.00	37	6.43	0.00	7.63	26	0	21	1471	2490	-1145
374+50.00	37450.00	13	28.23	0.00	8.47	8	0	4	1479	2495	-1142

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDNATE NOTE 14
			NOTE 2			NOTE 4		NOTE 3	NOTE 2		
374+97.00	37497.00	47	20.50	0.00	15.94	42	0	21	1521	2522	-1127
375+00.00	37500.00	3	20.17	0.00	16.53	2	0	2	1523	2525	-1128
375+50.00	37550.00	50	41.10	0.00	42.35	57	0	55	1580	2596	-1142
376+00.00	37600.00	50	58.10	0.00	36.49	92	0	73	1672	2691	-1145
376+50.00	37650.00	50	53.49	0.00	38.54	103	0	69	1775	2781	-1132
377+00.00	37700.00	50	47.67	0.00	39.28	94	0	72	1869	2874	-1131
377+26.00	37726.00	26	24.98	0.00	16.68	35	0	27	1904	2909	-1131
377+50.00	37750.00	24	43.24	0.00	34.05	19	0	15	1923	2929	-1132
378+00.00	37800.00	50	30.60	0.00	47.95	68	0	76	1991	3028	-1163
378+50.00	37850.00	50	20.28	0.00	50.03	47	0	91	2038	3146	-1234
379+00.00	37900.00	50	14.74	0.00	51.08	32	0	94	2070	3268	-1324
379+50.00	37950.00	50	11.32	0.00	57.97	24	0	101	2094	3400	-1432
380+00.00	38000.00	50	26.58	0.00	57.19	35	0	107	2129	3539	-1536
380+50.00	38050.00	50	34.13	0.00	57.59	56	0	106	2185	3676	-1617
381+00.00	38100.00	50	28.96	0.00	55.97	58	0	105	2243	3813	-1696
381+50.00	38150.00	50	28.72	0.00	50.55	53	0	99	2296	3942	-1772
382+00.00	38200.00	50	29.40	0.00	44.17	54	0	88	2350	4056	-1832
382+50.00	38250.00	50	33.61	0.00	37.22	58	0	75	2408	4154	-1872
383+00.00	38300.00	50	37.47	0.00	32.41	66	0	64	2474	4237	-1889
383+50.00	38350.00	50	22.30	0.00	23.41	55	0	52	2529	4304	-1901
383+61.44	38361.44	11.44	22.31	0.00	23.70	9	0	10	2538	4317	-1905
384+00.00	38400.00	38.56	30.63	0.00	35.24	38	0	42	2576	4372	-1922
384+50.00	38450.00	50	22.01	0.00	53.34	49	0	82	2625	4479	-1980
385+00.00	38500.00	50	41.11	0.00	16.70	58	0	65	2683	4563	-2006
385+20.00	38520.00	20	40.69	0.00	0.00	30	0	6	2713	4571	-1984
385+30.00	38530.00	10	28.19	0.00	0.00	13	0	0	2726	4571	-1971
385+50.00	38550.00	20	19.02	0.00	9.22	17	0	3	2743	4575	-1958
386+00.00	38600.00	50	31.81	0.00	37.59	47	0	43	2790	4631	-1967
386+50.00	38650.00	50	33.31	0.00	38.87	60	0	71	2850	4723	-1999
387+00.00	38700.00	50	31.97	0.00	41.50	60	0	74	2910	4819	-2035
387+50.00	38750.00	50	39.43	0.00	43.09	66	0	78	2976	4921	-2071
388+00.00	38800.00	50	41.42	0.00	38.96	75	0	76	3051	5019	-2094
388+50.00	38850.00	50	37.83	0.00	39.55	73	0	73	3124	5114	-2116
389+00.00	38900.00	50	14.67	0.00	28.76	49	0	63	3173	5196	-2149
389+50.00	38950.00	50	38.10	0.00	38.34	49	0	62	3222	5277	-2181
390+00.00	39000.00	50	36.72	0.00	42.10	69	0	74	3291	5373	-2208
390+50.00	39050.00	50	27.93	0.00	40.52	60	0	76	3351	5472	-2247
391+00.00	39100.00	50	19.15	0.00	41.51	44	0	76	3395	5571	-2302
391+50.00	39150.00	50	14.20	0.00	37.98	31	0	74	3426	5667	-2367
392+00.00	39200.00	50	10.68	0.00	42.15	23	0	74	3449	5763	-2440
392+50.00	39250.00	50	9.74	0.00	44.30	19	0	80	3468	5867	-2525
393+00.00	39300.00	50	7.00	0.00	43.59	16	0	81	3484	5972	-2614
393+50.00	39350.00	50	5.00	0.00	50.95	11	0	88	3495	6087	-2718
394+00.00	39400.00	50	4.47	0.00	55.98	9	0	99	3504	6215	-2837
394+50.00	39450.00	50	4.01	0.00	50.65	8	0	99	3512	6344	-2958
395+00.00	39500.00	50	4.11	0.00	52.91	8	0	96	3520	6469	-3075
395+50.00	39550.00	50	10.72	0.00	43.53	14	0	89	3534	6585	-3177
396+00.00	39600.00	50	8.13	0.00	33.38	17	0	71	3551	6677	-3252
396+20.57	39620.57	20.57	9.43	0.00	91.51	7	0	48	3558	6739	-3307
396+29.18	39629.18	8.61	14.99	0.00	61.88	4	0	24	3562	6770	-3334

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

9

9

DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDINATE NOTE 14
						NOTE 2	NOTE 4	NOTE 3			
396+50.00	39650.00	20.82	6.57	0.00	67.54	8	0	50	3570	6835	-3391
397+00.00	39700.00	50	31.82	0.00	22.71	36	0	84	3606	6945	-3465
397+50.00	39750.00	50	41.14	0.00	28.96	68	0	48	3674	7007	-3459
398+00.00	39800.00	50	37.82	0.00	0.00	73	0	27	3747	7042	-3421
398+33.78	39833.78	33.78	0.00	0.00	0.00	24	0	0	3771	7042	-3397
398+50.00	39850.00	16.22	0.00	0.00	0.00	0	0	0	3771	7042	-3397
399+00.00	39900.00	50	12.29	0.00	13.08	11	0	12	3782	7058	-3402
399+50.00	39950.00	50	10.10	0.00	20.87	21	0	31	3803	7098	-3421
400+00.00	40000.00	50	8.44	0.00	24.72	17	0	42	3820	7153	-3459
400+50.00	40050.00	50	42.20	0.00	22.49	47	0	44	3867	7210	-3469
401+00.00	40100.00	50	11.13	0.00	23.25	49	0	42	3916	7264	-3474
401+50.00	40150.00	50	10.89	0.00	23.55	20	0	43	3936	7320	-3510
402+00.00	40200.00	50	11.89	0.00	23.90	21	0	44	3957	7378	-3547
402+50.00	40250.00	50	14.13	0.00	24.86	24	0	45	3981	7436	-3581
403+00.00	40300.00	50	14.62	0.00	26.87	27	0	48	4008	7498	-3616
403+50.00	40350.00	50	13.56	0.00	25.57	26	0	49	4034	7562	-3654
404+00.00	40400.00	50	11.85	0.00	22.02	24	0	44	4058	7619	-3687
404+50.00	40450.00	50	13.56	0.00	22.52	24	0	41	4082	7673	-3717
405+00.00	40500.00	50	13.54	0.00	21.04	25	0	40	4107	7725	-3744
405+50.00	40550.00	50	14.71	0.00	19.99	26	0	38	4133	7774	-3767
406+00.00	40600.00	50	20.35	0.00	16.15	32	0	33	4165	7817	-3778
406+21.00	40621.00	21	48.98	0.00	0.00	27	0	6	4192	7825	-3759
406+50.00	40650.00	29	14.24	0.00	21.99	34	0	12	4226	7840	-3740
407+00.00	40700.00	50	11.42	0.00	26.35	24	0	45	4250	7899	-3775
407+50.00	40750.00	50	7.55	0.00	26.00	18	0	48	4268	7961	-3819
408+00.00	40800.00	50	36.81	0.00	26.48	41	0	49	4309	8025	-3842
408+50.00	40850.00	50	6.14	0.00	28.80	40	0	51	4349	8091	-3868
409+00.00	40900.00	50	6.30	0.00	35.08	12	0	59	4361	8168	-3933
409+50.00	40950.00	50	5.52	0.00	33.43	11	0	63	4372	8250	-4004
410+00.00	41000.00	50	6.31	0.00	36.12	11	0	64	4383	8333	-4076
410+50.00	41050.00	50	5.33	0.00	42.16	11	0	72	4394	8427	-4159
411+00.00	41100.00	50	5.15	0.00	41.83	10	0	78	4404	8528	-4250
411+50.00	41150.00	50	1.36	0.00	22.94	6	0	60	4410	8606	-4322
412+00.00	41200.00	50	4.63	0.00	51.32	6	0	69	4416	8696	-4406
412+50.00	41250.00	50	5.54	0.00	39.26	9	0	84	4425	8805	-4506
413+00.00	41300.00	50	5.96	0.00	35.00	11	0	69	4436	8895	-4585
413+50.00	41350.00	50	5.70	0.00	35.23	11	0	65	4447	8979	-4658
414+00.00	41400.00	50	6.46	0.00	32.34	11	0	63	4458	9061	-4729
414+50.00	41450.00	50	6.38	0.00	34.19	12	0	62	4470	9142	-4798
415+00.00	41500.00	50	6.82	0.00	31.27	12	0	61	4482	9221	-4865
415+50.00	41550.00	50	6.93	0.00	37.34	13	0	64	4495	9304	-4935
416+00.00	41600.00	50	6.59	0.00	38.27	13	0	70	4508	9395	-5013
416+50.00	41650.00	50	7.32	0.00	34.09	13	0	67	4521	9482	-5087
417+00.00	41700.00	50	5.93	0.00	44.74	12	0	73	4533	9577	-5170
417+50.00	41750.00	50	5.61	0.00	51.36	11	0	89	4544	9693	-5275
418+00.00	41800.00	50	13.15	0.00	34.33	17	0	79	4561	9796	-5361
418+50.00	41850.00	50	16.01	0.00	34.16	27	0	63	4588	9877	-5415
419+00.00	41900.00	50	15.82	0.00	37.49	29	0	66	4617	9963	-5472
419+50.00	41950.00	50	5.40	0.00	23.72	20	0	57	4637	10037	-5526
420+00.00	42000.00	50	13.19	0.00	49.51	17	0	68	4654	10126	-5598

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 2	NOTE 4	NOTE 3	NOTE 2		NOTE 14
420+50.00	42050.00	50	11.58	0.00	44.84	23	0	87	4677	10239	-5688
421+00.00	42100.00	50	10.29	0.00	38.37	20	0	77	4697	10339	-5768
421+50.00	42150.00	50	15.00	0.00	34.09	23	0	67	4720	10426	-5832
422+00.00	42200.00	50	15.10	0.00	35.16	28	0	64	4748	10509	-5887
422+50.00	42250.00	50	17.06	0.00	34.99	30	0	65	4778	10594	-5942
423+00.00	42300.00	50	17.96	0.00	32.65	32	0	63	4810	10676	-5992
423+50.00	42350.00	50	17.64	0.00	29.86	33	0	58	4843	10751	-6034
424+00.00	42400.00	50	18.61	0.00	26.22	34	0	52	4877	10819	-6068
424+50.00	42450.00	50	17.94	0.00	27.49	34	0	50	4911	10884	-6099
424+78.00	42478.00	28	10.47	0.00	11.27	15	0	20	4926	10910	-6110
425+00.00	42500.00	22	19.47	0.00	23.04	12	0	14	4938	10928	-6116
425+50.00	42550.00	50	20.18	0.00	24.06	37	0	44	4975	10985	-6136
426+00.00	42600.00	50	19.74	0.00	26.08	37	0	46	5012	11045	-6159
426+50.00	42650.00	50	19.10	0.00	28.81	36	0	51	5048	11111	-6189
427+00.00	42700.00	50	21.26	0.00	24.77	37	0	50	5085	11176	-6217
427+50.00	42750.00	50	23.42	0.00	27.51	41	0	48	5126	11239	-6239
428+00.00	42800.00	50	25.17	0.00	25.27	45	0	49	5171	11302	-6257
428+50.00	42850.00	50	53.79	0.00	23.48	73	0	45	5244	11361	-6243
428+75.00	42875.00	25	9.04	0.00	15.80	29	0	18	5273	11384	-6237
429+00.00	42900.00	25	19.09	0.00	28.67	13	0	21	5286	11411	-6251
429+50.00	42950.00	50	7.98	0.00	14.37	25	0	40	5311	11463	-6278
430+00.00	43000.00	50	13.45	0.00	33.66	20	0	44	5331	11521	-6316
430+50.00	43050.00	50	15.10	0.00	31.21	26	0	60	5357	11599	-6368
431+00.00	43100.00	50	14.00	0.00	39.27	27	0	65	5384	11683	-6425
431+50.00	43150.00	50	12.24	0.00	42.75	24	0	76	5408	11782	-6500
432+00.00	43200.00	50	11.39	0.00	38.96	22	0	76	5430	11881	-6577
432+50.00	43250.00	50	9.83	0.00	36.57	20	0	70	5450	11972	-6648
433+00.00	43300.00	50	11.05	0.00	32.83	19	0	64	5469	12055	-6712
433+50.00	43350.00	50	10.99	0.00	31.82	20	0	60	5489	12133	-6770
434+00.00	43400.00	50	12.20	0.00	30.66	21	0	58	5510	12208	-6824
434+50.00	43450.00	50	11.61	0.00	32.52	22	0	58	5532	12284	-6878
435+00.00	43500.00	50	11.89	0.00	33.87	22	0	61	5554	12363	-6935
435+50.00	43550.00	50	14.22	0.00	35.96	24	0	65	5578	12448	-6996
436+00.00	43600.00	50	13.75	0.00	31.57	26	0	63	5604	12529	-7051
436+50.00	43650.00	50	19.63	0.00	33.16	31	0	60	5635	12607	-7098
436+94.00	43694.00	44	9.73	0.00	14.00	24	0	38	5659	12657	-7124
437+00.00	43700.00	6	9.89	0.00	13.64	2	0	3	5661	12661	-7126
437+50.00	43750.00	50	23.58	0.00	33.83	31	0	44	5692	12718	-7152
438+00.00	43800.00	50	10.36	0.00	41.47	31	0	70	5723	12809	-7212
438+50.00	43850.00	50	15.19	0.00	75.65	24	0	108	5747	12949	-7328
439+00.00	43900.00	50	23.61	0.00	82.65	36	0	147	5783	13140	-7483
439+50.00	43950.00	50	23.11	0.00	86.66	43	0	157	5826	13345	-7645
439+52.64	43952.64	2.64	22.53	0.00	93.84	2	0	9	5828	13356	-7654
439+61.77	43961.77	9.13	21.83	0.00	100.67	7	0	33	5835	13399	-7690
440+00.00	44000.00	38.23	17.75	0.00	32.57	28	0	94	5863	13521	-7784
440+50.00	44050.00	50	19.06	0.00	49.02	34	0	76	5897	13620	-7849
441+00.00	44100.00	50	16.97	0.00	35.64	33	0	78	5930	13722	-7918
441+50.00	44150.00	50	19.13	0.00	33.09	33	0	64	5963	13805	-7968
442+00.00	44200.00	50	24.68	0.00	32.25	41	0	61	6004	13884	-8006
442+50.00	44250.00	50	20.86	0.00	33.53	42	0	61	6046	13963	-8043

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDINATE NOTE 14
						NOTE 2	NOTE 4	NOTE 3			
443+00.00	44300.00	50	19.87	0.00	33.47	38	0	62	6084	14044	-8086
443+50.00	44350.00	50	19.06	0.00	30.50	36	0	59	6120	14121	-8127
444+00.00	44400.00	50	16.46	0.00	28.90	33	0	55	6153	14192	-8165
444+50.00	44450.00	50	14.58	0.00	28.13	29	0	53	6182	14261	-8205
445+00.00	44500.00	50	14.51	0.00	27.71	27	0	52	6209	14329	-8246
445+50.00	44550.00	50	16.73	0.00	25.66	29	0	49	6238	14392	-8280
446+00.00	44600.00	50	18.94	0.00	25.33	33	0	47	6271	14453	-8308
446+50.00	44650.00	50	18.74	0.00	23.86	35	0	46	6306	14513	-8333
447+00.00	44700.00	50	17.27	0.00	24.62	33	0	45	6339	14572	-8359
447+50.00	44750.00	50	21.75	0.00	21.77	36	0	43	6375	14628	-8379
448+00.00	44800.00	50	20.15	0.00	25.82	39	0	44	6414	14685	-8397
448+50.00	44850.00	50	18.24	0.00	25.14	36	0	47	6450	14746	-8422
449+00.00	44900.00	50	18.12	0.00	26.30	34	0	48	6484	14808	-8450
449+50.00	44950.00	50	43.24	0.00	9.50	57	0	33	6541	14851	-8436
450+00.00	45000.00	50	17.64	0.00	30.07	56	0	37	6597	14899	-8428
450+50.00	45050.00	50	24.10	0.00	22.16	39	0	48	6636	14962	-8452
451+00.00	45100.00	50	0.00	0.00	0.00	22	0	21	6658	14989	-8457
451+50.00	45150.00	50	18.71	0.00	32.05	17	0	30	6675	15028	-8479
452+00.00	45200.00	50	14.75	0.00	39.43	31	0	66	6706	15114	-8534
452+50.00	45250.00	50	14.83	0.00	39.08	27	0	73	6733	15209	-8602
453+00.00	45300.00	50	18.25	0.00	32.32	31	0	66	6764	15295	-8656
453+50.00	45350.00	50	23.69	0.00	29.84	39	0	58	6803	15370	-8693
454+00.00	45400.00	50	27.58	0.00	30.07	47	0	55	6850	15441	-8717
454+50.00	45450.00	50	28.80	0.00	27.64	52	0	53	6902	15510	-8734
455+00.00	45500.00	50	26.03	0.00	23.86	51	0	48	6953	15573	-8746
455+50.00	45550.00	50	53.39	0.00	27.04	74	0	47	7027	15634	-8733
456+00.00	45600.00	50	19.19	0.00	32.07	67	0	55	7094	15705	-8737
456+50.00	45650.00	50	20.94	0.00	35.38	37	0	62	7131	15786	-8781
457+00.00	45700.00	50	20.45	0.00	31.39	38	0	62	7169	15867	-8823
457+50.00	45750.00	50	23.49	0.00	27.95	41	0	55	7210	15938	-8854
458+00.00	45800.00	50	26.16	0.00	22.50	46	0	47	7256	15999	-8869
458+50.00	45850.00	50	10.30	0.00	13.29	34	0	33	7290	16042	-8878
459+00.00	45900.00	50	23.74	0.00	22.77	32	0	33	7322	16085	-8889
459+50.00	45950.00	50	27.89	0.00	23.70	48	0	43	7370	16141	-8897
460+00.00	46000.00	50	25.41	0.00	23.68	49	0	44	7419	16198	-8905
460+50.00	46050.00	50	20.83	0.00	26.34	43	0	46	7462	16258	-8922
461+00.00	46100.00	50	18.33	0.00	27.96	36	0	50	7498	16323	-8951
461+50.00	46150.00	50	19.36	0.00	28.31	35	0	52	7533	16390	-8983
462+00.00	46200.00	50	20.69	0.00	26.56	37	0	51	7570	16457	-9013
462+50.00	46250.00	50	17.89	0.00	30.54	36	0	53	7606	16526	-9046
463+00.00	46300.00	50	15.98	0.00	31.68	31	0	58	7637	16601	-9090
463+50.00	46350.00	50	12.61	0.00	43.06	26	0	69	7663	16691	-9154
464+00.00	46400.00	50	11.59	0.00	48.03	22	0	84	7685	16800	-9241
464+50.00	46450.00	50	15.62	0.00	58.74	25	0	99	7710	16929	-9345
465+00.00	46500.00	50	22.15	0.00	71.65	35	0	121	7745	17086	-9467
465+50.00	46550.00	50	36.06	0.00	53.70	54	0	116	7799	17237	-9564
466+00.00	46600.00	50	25.11	0.00	55.94	57	0	102	7856	17369	-9639
466+50.00	46650.00	50	3.63	0.00	75.46	27	0	122	7883	17528	-9771
467+00.00	46700.00	50	84.29	0.00	12.71	81	0	82	7964	17635	-9796
467+20.00	46720.00	20	9.16	0.00	11.08	35	0	9	7999	17646	-9773

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDNATE
						NOTE 2	NOTE 4	NOTE 3	NOTE 2		NOTE 14
467+50.00	46750.00	30	14.43	0.00	27.49	13	0	21	8012	17674	-9787
468+00.00	46800.00	50	13.94	0.00	34.37	26	0	57	8038	17748	-9836
468+50.00	46850.00	50	14.80	0.00	29.11	27	0	59	8065	17824	-9885
469+00.00	46900.00	50	15.56	0.00	25.38	28	0	50	8093	17889	-9922
469+50.00	46950.00	50	17.02	0.00	28.84	30	0	50	8123	17954	-9957
470+00.00	47000.00	50	19.82	0.00	14.32	34	0	40	8157	18006	-9975
470+22.00	47022.00	22	11.65	0.00	0.02	13	0	6	8170	18014	-9970
470+44.00	47044.00	22	6.92	0.00	8.99	8	0	4	8178	18019	-9967
470+50.00	47050.00	6	120.74	0.00	12.03	14	0	2	8192	18022	-9956
471+00.00	47100.00	50	42.45	0.00	25.46	151	0	35	8343	18067	-9850
471+50.00	47150.00	50	17.77	0.00	32.72	56	0	54	8399	18138	-9865
472+00.00	47200.00	50	58.01	0.00	35.89	70	0	64	8469	18221	-9878
472+50.00	47250.00	50	33.64	0.00	29.23	85	0	60	8554	18299	-9871
472+86.00	47286.00	36	3.76	0.00	14.61	25	0	29	8579	18337	-9884
473+00.00	47300.00	14	46.01	0.00	14.64	13	0	8	8592	18347	-9881
473+50.00	47350.00	50	20.84	0.00	32.66	62	0	44	8654	18404	-9876
474+00.00	47400.00	50	13.52	0.00	32.02	32	0	60	8686	18482	-9922
474+50.00	47450.00	50	8.68	0.00	32.52	21	0	60	8707	18560	-9979
475+00.00	47500.00	50	18.12	0.00	37.20	25	0	65	8732	18645	-10039
475+50.00	47550.00	50	16.91	0.00	41.66	32	0	73	8764	18740	-10102
476+00.00	47600.00	50	12.06	0.00	40.51	27	0	76	8791	18838	-10173
476+50.00	47650.00	50	19.16	0.00	35.51	29	0	70	8820	18929	-10235
477+00.00	47700.00	50	17.20	0.00	29.76	34	0	60	8854	19007	-10279
477+34.56	47734.56	34.56	8.52	0.00	24.88	16	0	35	8870	19053	-10309
477+50.00	47750.00	15.44	8.58	0.00	19.85	5	0	13	8875	19070	-10321
478+00.00	47800.00	50	22.44	0.00	25.97	29	0	42	8904	19124	-10346
478+19.00	47819.00	19	6.97	0.00	14.45	10	0	14	8914	19143	-10355
478+50.00	47850.00	31	15.00	0.00	33.77	13	0	28	8927	19179	-10378
479+00.00	47900.00	50	15.61	0.00	38.13	28	0	67	8955	19266	-10437
479+50.00	47950.00	50	13.86	0.00	44.93	27	0	77	8982	19366	-10510
480+00.00	48000.00	50	10.60	0.00	64.18	23	0	101	9005	19497	-10618
480+50.00	48050.00	50	15.83	0.00	77.60	24	0	131	9029	19668	-10765
481+00.00	48100.00	50	24.53	0.00	81.36	37	0	147	9066	19859	-10919
481+50.00	48150.00	50	18.75	0.00	87.02	40	0	156	9106	20062	-11082
482+00.00	48200.00	50	21.91	0.00	74.98	38	0	150	9144	20257	-11239
482+50.00	48250.00	50	19.99	0.00	51.61	39	0	117	9183	20409	-11352
483+00.00	48300.00	50	26.07	0.00	35.21	43	0	80	9226	20513	-11413
483+50.00	48350.00	50	19.89	0.00	28.85	43	0	59	9269	20589	-11446
484+00.00	48400.00	50	25.67	0.00	25.86	42	0	51	9311	20656	-11471
484+50.00	48450.00	50	28.08	0.00	22.44	50	0	45	9361	20714	-11479
485+00.00	48500.00	50	29.65	0.00	24.18	53	0	43	9414	20770	-11482
485+50.00	48550.00	50	25.02	0.00	26.36	51	0	47	9465	20831	-11492
486+00.00	48600.00	50	23.34	0.00	19.42	45	0	42	9510	20886	-11502
486+50.00	48650.00	50	22.44	0.00	15.77	42	0	33	9552	20929	-11503
487+00.00	48700.00	50	24.67	0.00	14.49	44	0	28	9596	20965	-11495
487+50.00	48750.00	50	22.45	0.00	19.58	44	0	32	9640	21007	-11493
488+00.00	48800.00	50	16.34	0.00	21.19	36	0	38	9676	21056	-11506
488+50.00	48850.00	50	17.75	0.00	20.73	32	0	39	9708	21107	-11525
489+00.00	48900.00	50	12.95	0.00	28.20	28	0	45	9736	21165	-11555
489+50.00	48950.00	50	11.67	0.00	25.98	23	0	50	9759	21230	-11597

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDNATE
						NOTE 2	NOTE 4	NOTE 3	NOTE 2		NOTE 14
490+00.00	49000.00	50	8.42	0.00	40.33	19	0	61	9778	21310	-11658
490+50.00	49050.00	50	7.67	0.00	45.89	15	0	80	9793	21414	-11747
490+68.31	49068.31	18.31	6.19	0.00	53.74	5	0	34	9798	21458	-11786
491+00.00	49100.00	31.69	6.12	0.00	51.22	7	0	62	9805	21538	-11859
491+50.00	49150.00	50	7.79	0.00	48.87	13	0	93	9818	21659	-11967
492+00.00	49200.00	50	7.81	0.00	44.23	14	0	86	9832	21771	-12065
492+50.00	49250.00	50	8.11	0.00	36.78	15	0	75	9847	21869	-12148
493+00.00	49300.00	50	3.10	0.00	44.13	10	0	75	9857	21966	-12235
493+50.00	49350.00	50	5.52	0.00	32.02	8	0	71	9865	22058	-12319
494+00.00	49400.00	50	10.95	0.00	25.22	15	0	53	9880	22127	-12373
494+50.00	49450.00	50	43.86	0.00	15.29	51	0	38	9931	22177	-12372
494+63.00	49463.00	13	5.06	0.00	15.88	12	0	8	9943	22187	-12370
495+00.00	49500.00	37	24.96	0.00	26.32	21	0	29	9964	22225	-12387
495+50.00	49550.00	50	48.67	0.00	25.99	68	0	48	10032	22287	-12381
496+00.00	49600.00	50	51.35	0.00	26.28	93	0	48	10125	22350	-12351
496+50.00	49650.00	50	35.26	0.00	28.76	80	0	51	10205	22416	-12337
497+00.00	49700.00	50	40.95	0.00	25.76	71	0	50	10276	22481	-12331
497+50.00	49750.00	50	38.39	0.00	25.78	73	0	48	10349	22543	-12320
498+00.00	49800.00	50	37.24	0.00	29.43	70	0	51	10419	22610	-12317
498+50.00	49850.00	50	41.14	0.00	24.64	73	0	50	10492	22675	-12309
498+77.00	49877.00	27	13.30	0.00	14.03	27	0	19	10519	22699	-12306
499+00.00	49900.00	23	33.88	0.00	24.38	20	0	16	10539	22720	-12307
499+50.00	49950.00	50	32.06	0.00	26.62	61	0	47	10600	22781	-12307
500+00.00	50000.00	50	73.67	0.00	14.06	98	0	38	10698	22831	-12259
500+07.00	50007.00	7	9.26	0.00	13.96	11	0	4	10709	22836	-12253
500+50.00	50050.00	43	12.25	0.00	28.37	17	0	34	10726	22880	-12280
501+00.00	50100.00	50	6.84	0.00	29.57	18	0	54	10744	22950	-12332
501+44.00	50144.00	44	6.56	0.00	15.26	11	0	37	10755	22998	-12369
501+50.00	50150.00	6	6.64	0.00	15.70	1	0	3	10756	23002	-12372
502+00.00	50200.00	50	8.02	0.00	48.52	14	0	59	10770	23079	-12435
502+50.00	50250.00	50	7.96	0.00	54.73	15	0	96	10785	23204	-12545
503+00.00	50300.00	50	8.01	0.00	51.40	15	0	98	10800	23331	-12657
503+50.00	50350.00	50	2.42	0.00	5.81	10	0	53	10810	23400	-12716
503+73.62	50373.62	23.62	2.34	0.00	25.43	2	0	14	10812	23418	-12732
504+00.00	50400.00	26.38	2.16	0.00	60.19	2	0	42	10814	23473	-12785
504+50.00	50450.00	50	5.17	0.00	131.60	7	0	178	10821	23704	-13009
505+00.00	50500.00	50	3.20	0.00	169.51	8	0	279	10829	24067	-13364
505+22.09	50522.09	22.09	4.08	0.00	200.00	3	0	151	10832	24263	-13557
505+50.00	50550.00	27.91	4.73	0.00	166.59	5	0	189	10837	24509	-13798
506+00.00	50600.00	50	4.10	0.00	142.51	8	0	286	10845	24881	-14162
506+50.00	50650.00	50	4.00	0.00	130.15	8	0	252	10853	25208	-14481
507+00.00	50700.00	50	5.29	0.00	112.28	9	0	224	10862	25500	-14764
507+50.00	50750.00	50	4.88	0.00	89.70	9	0	187	10871	25743	-14998
508+00.00	50800.00	50	4.07	0.00	71.50	8	0	149	10879	25936	-15183
508+50.00	50850.00	50	5.55	0.00	46.55	9	0	109	10888	26078	-15316
509+00.00	50900.00	50	6.40	0.00	34.91	11	0	75	10899	26176	-15403
509+50.00	50950.00	50	6.72	0.00	27.96	12	0	58	10911	26251	-15466
510+00.00	51000.00	50	7.57	0.00	27.83	13	0	52	10924	26319	-15521
510+50.00	51050.00	50	8.99	0.00	31.64	15	0	55	10939	26390	-15577
511+00.00	51100.00	50	17.67	0.00	34.88	25	0	62	10964	26471	-15633

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDINATE NOTE 14
						NOTE 2	NOTE 4	NOTE 3			
511+50.00	51150.00	50	18.43	0.00	48.21	33	0	77	10997	26571	-15700
512+00.00	51200.00	50	21.40	0.00	40.38	37	0	82	11034	26677	-15769
512+50.00	51250.00	50	21.03	0.00	42.80	39	0	77	11073	26777	-15830
513+00.00	51300.00	50	24.47	0.00	37.61	42	0	74	11115	26874	-15885
513+50.00	51350.00	50	22.63	0.00	40.86	44	0	73	11159	26969	-15936
513+99.00	51399.00	49	9.28	0.00	25.07	29	0	60	11188	27047	-15985
514+00.00	51400.00	1	9.35	0.00	25.01	0	0	1	11188	27048	-15986
514+50.00	51450.00	50	34.04	0.00	28.98	40	0	50	11228	27113	-16011
515+00.00	51500.00	50	15.95	0.00	10.76	46	0	37	11274	27161	-16013
515+50.00	51550.00	50	22.45	0.00	26.60	36	0	35	11310	27206	-16022
516+00.00	51600.00	50	29.36	0.00	26.50	48	0	49	11358	27270	-16038
516+50.00	51650.00	50	28.20	0.00	29.13	53	0	52	11411	27338	-16053
517+00.00	51700.00	50	20.27	0.00	28.74	45	0	54	11456	27408	-16078
517+50.00	51750.00	50	14.86	0.00	27.70	33	0	52	11489	27476	-16113
518+00.00	51800.00	50	3.47	0.00	15.29	17	0	40	11506	27528	-16148
518+10.00	51810.00	10	3.34	0.00	15.23	1	0	6	11507	27535	-16154
518+50.00	51850.00	40	10.97	0.00	24.78	11	0	30	11518	27574	-16182
519+00.00	51900.00	50	13.39	0.00	23.62	23	0	45	11541	27633	-16218
519+50.00	51950.00	50	16.65	0.00	20.47	28	0	41	11569	27686	-16243
519+69.00	51969.00	19	5.75	0.00	11.46	8	0	11	11577	27700	-16249
520+00.00	52000.00	31	8.76	0.00	26.62	8	0	22	11585	27729	-16270
520+33.00	52033.00	33	9.02	0.00	14.97	11	0	25	11596	27762	-16292
520+50.00	52050.00	17	35.22	0.00	16.50	14	0	10	11610	27775	-16291
521+00.00	52100.00	50	26.17	0.00	28.00	57	0	41	11667	27828	-16287
521+50.00	52150.00	50	16.78	0.00	28.14	40	0	52	11707	27895	-16314
522+00.00	52200.00	50	6.55	0.00	39.27	22	0	62	11729	27976	-16373
522+50.00	52250.00	50	7.42	0.00	49.45	13	0	82	11742	28083	-16467
523+00.00	52300.00	50	7.38	0.00	60.22	14	0	102	11756	28215	-16585
523+50.00	52350.00	50	6.24	0.00	69.66	13	0	120	11769	28371	-16728
524+00.00	52400.00	50	6.11	0.00	63.72	11	0	123	11780	28531	-16877
524+50.00	52450.00	50	6.67	0.00	58.35	12	0	113	11792	28678	-17012
525+00.00	52500.00	50	6.82	0.00	70.59	12	0	119	11804	28833	-17155
525+50.00	52550.00	50	6.83	0.00	74.79	13	0	135	11817	29008	-17317
526+00.00	52600.00	50	6.81	0.00	71.37	13	0	135	11830	29184	-17480
526+50.00	52650.00	50	6.71	0.00	59.01	13	0	121	11843	29341	-17624
527+00.00	52700.00	50	7.21	0.00	51.31	13	0	102	11856	29474	-17744
527+50.00	52750.00	50	6.47	0.00	52.52	13	0	96	11869	29598	-17855
528+00.00	52800.00	50	7.51	0.00	52.54	13	0	97	11882	29725	-17969
528+50.00	52850.00	50	12.43	0.00	32.47	18	0	79	11900	29827	-18053
529+00.00	52900.00	50	19.04	0.00	19.87	29	0	48	11929	29890	-18087
529+50.00	52950.00	50	13.64	0.00	13.39	30	0	31	11959	29930	-18097
530+00.00	53000.00	50	3.97	0.00	5.43	16	0	17	11975	29952	-18103
530+50.00	53050.00	50	10.51	0.00	0.00	13	0	5	11988	29959	-18097
531+00.00	53100.00	50	10.75	0.00	17.56	20	0	16	12008	29979	-18097
531+50.00	53150.00	50	21.55	0.00	19.00	30	0	34	12038	30024	-18112
532+00.00	53200.00	50	27.56	0.00	21.46	45	0	37	12083	30072	-18115
532+50.00	53250.00	50	33.10	0.00	21.64	56	0	40	12139	30124	-18111
533+00.00	53300.00	50	30.99	0.00	21.56	59	0	40	12198	30176	-18104
533+50.00	53350.00	50	27.07	0.00	22.90	54	0	41	12252	30229	-18103
534+00.00	53400.00	50	18.60	0.00	23.43	42	0	43	12294	30285	-18117

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - SOUTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDNATE
						NOTE 2	NOTE 4	NOTE 3	NOTE 2		NOTE 14
534+50.00	53450.00	50	13.36	0.00	23.20	30	0	43	12324	30341	-18143
535+00.00	53500.00	50	14.53	0.00	23.95	26	0	44	12350	30398	-18174
535+50.00	53550.00	50	21.97	0.00	22.38	34	0	43	12384	30454	-18196
536+00.00	53600.00	50	23.82	0.00	21.00	42	0	40	12426	30506	-18206
536+50.00	53650.00	50	23.90	0.00	22.55	44	0	40	12470	30558	-18214
537+00.00	53700.00	50	22.42	0.00	22.50	43	0	42	12513	30612	-18225
537+50.00	53750.00	50	18.50	0.00	22.06	38	0	41	12551	30666	-18241
538+00.00	53800.00	50	17.68	0.00	22.68	33	0	41	12584	30719	-18261
538+50.00	53850.00	50	22.12	0.00	24.97	37	0	44	12621	30776	-18281
539+00.00	53900.00	50	24.21	0.00	30.05	43	0	51	12664	30843	-18305
539+50.00	53950.00	50	20.18	0.00	37.56	41	0	63	12705	30924	-18345
540+00.00	54000.00	50	13.69	0.00	36.23	31	0	68	12736	31013	-18403
540+50.00	54050.00	50	11.51	0.00	31.68	23	0	63	12759	31095	-18462
541+00.00	54100.00	50	12.29	0.00	29.02	22	0	56	12781	31168	-18513
541+50.00	54150.00	50	15.43	0.00	27.45	26	0	52	12807	31235	-18554
541+55.01	54155.01	5.01	15.01	0.00	27.46	3	0	5	12810	31242	-18558
542+00.00	54200.00	44.99	12.14	0.00	35.02	23	0	52	12833	31309	-18602
542+45.87	54245.87	45.87	11.63	0.00	49.71	20	0	72	12853	31403	-18676
542+50.00	54250.00	4.13	11.29	0.00	50.06	2	0	8	12855	31413	-18684
542+70.85	54270.85	20.85	9.87	0.00	53.94	8	0	40	12863	31465	-18728
542+95.83	54295.83	24.98	12.09	0.00	45.99	10	0	46	12873	31525	-18778
543+00.00	54300.00	4.17	25.82	0.00	29.53	3	0	6	12876	31533	-18783
543+11.00	54311.00	11	3.64	0.00	9.25	6	0	8	12882	31543	-18787
543+44.50	54344.50	33.5	8.17	0.00	44.11	7	0	33	12889	31586	-18823
543+50.00	54350.00	5.5	7.98	0.00	48.06	2	0	9	12891	31598	-18833
544+00.00	54400.00	50	7.45	0.00	85.31	14	0	123	12905	31758	-18979
544+33.29	54433.29	33.29	4.66	0.00	127.96	7	0	131	12912	31928	-19142
544+50.00	54450.00	16.71	4.47	0.00	135.59	3	0	82	12915	32035	-19246
544+58.31	54458.31	8.31	4.50	0.00	141.12	1	0	43	12916	32091	-19301
544+83.27	54483.27	24.96	5.05	0.00	136.97	4	0	129	12920	32258	-19464
545+00.00	54500.00	16.73	5.79	0.00	107.71	3	0	76	12923	32357	-19560
545+50.00	54550.00	50	5.69	0.00	59.19	11	0	155	12934	32559	-19751
546+00.00	54600.00	50	5.12	0.00	49.19	10	0	100	12944	32689	-19871
546+50.00	54650.00	50	22.99	15.00	30.14	26	14	73	12970	32783	-19953
547+00.00	54700.00	50	24.59	15.00	21.01	44	28	47	13014	32845	-19999
547+50.00	54750.00	50	25.14	15.00	11.80	46	28	30	13060	32884	-20020
548+00.00	54800.00	50	33.31	15.00	0.00	54	28	11	13114	32898	-20008
548+50.00	54850.00	50	27.47	15.00	0.00	56	28	0	13170	32898	-19980
549+00.00	54900.00	50	19.51	15.00	31.52	43	28	29	13213	32936	-20003

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

DIVISION -STH 13/34 -NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDNATE
						NOTE 2	NOTE 4	NOTE 3	1.00 NOTE 2	1.30	NOTE 14
551+00.00	55100.00	0.00	29.55	15.00	2.30	0	0	0	0	0	0
551+50.00	55150.00	50	18.47	15.00	0.66	44	28	3	44	4	12
552+00.00	55200.00	50	19.42	15.00	0.68	35	28	1	79	5	18
552+50.00	55250.00	50	18.46	15.00	31.31	35	28	30	114	44	-14
552+83.47	55283.47	33.47	16.20	15.00	37.87	21	19	43	135	100	-68
553+00.00	55300.00	16.53	15.92	15.00	45.48	10	9	26	145	134	-101
553+08.45	55308.45	8.45	15.74	15.00	45.05	5	5	14	150	152	-119
553+33.43	55333.43	24.98	19.79	15.00	52.46	16	14	45	166	211	-176
553+50.00	55350.00	16.57	21.85	15.00	52.10	13	9	32	179	252	-213
553+70.86	55370.86	20.86	27.40	15.00	61.85	19	12	44	198	309	-263
553+95.86	55395.86	25	12.92	0.00	56.08	19	7	55	217	381	-323
554+00.00	55400.00	4.14	12.59	0.00	55.99	2	0	9	219	393	-333
554+20.82	55420.82	20.82	16.47	0.00	57.66	11	0	44	230	450	-379
554+22.50	55422.50	1.68	15.45	0.00	58.46	1	0	4	231	455	-383
554+50.00	55450.00	27.5	21.45	0.00	46.62	19	0	54	250	525	-434
554+80.00	55480.00	30	18.55	0.00	23.92	22	0	39	272	576	-463
555+00.00	55500.00	20	29.29	0.00	30.92	18	0	20	290	602	-471
555+09.89	55509.89	9.89	24.58	0.00	33.42	10	0	12	300	618	-477
555+39.00	55539.00	29.11	10.29	0.00	17.08	19	0	27	319	653	-493
555+50.00	55550.00	11	50.58	0.00	16.72	12	0	7	331	662	-490
556+00.00	55600.00	50	29.01	0.00	30.75	74	0	44	405	719	-473
556+50.00	55650.00	50	14.94	0.00	22.26	41	0	49	446	783	-496
557+00.00	55700.00	50	16.69	0.00	25.79	29	0	44	475	840	-524
557+50.00	55750.00	50	18.92	0.00	19.84	33	0	42	508	894	-545
558+00.00	55800.00	50	6.90	0.00	26.71	24	0	43	532	950	-577
558+50.00	55850.00	50	10.01	0.00	26.81	16	0	50	548	1015	-626
559+00.00	55900.00	50	10.45	0.00	27.84	19	0	51	567	1082	-674
559+50.00	55950.00	50	9.70	0.00	28.65	19	0	52	586	1149	-722
560+00.00	56000.00	50	11.15	0.00	29.03	19	0	53	605	1218	-772
560+50.00	56050.00	50	15.18	0.00	32.19	24	0	57	629	1292	-822
561+00.00	56100.00	50	21.18	0.00	29.86	34	0	57	663	1366	-862
561+50.00	56150.00	50	17.36	0.00	34.08	36	0	59	699	1443	-903
562+00.00	56200.00	50	18.85	0.00	34.13	34	0	63	733	1525	-951
562+50.00	56250.00	50	55.59	0.00	31.36	69	0	61	802	1604	-961
562+94.00	56294.00	44	11.17	0.00	13.26	54	0	36	856	1651	-954
563+00.00	56300.00	6	10.88	0.00	12.99	2	0	3	858	1655	-956
563+50.00	56350.00	50	19.99	0.00	28.96	29	0	39	887	1706	-978
564+00.00	56400.00	50	47.10	0.00	26.23	62	0	51	949	1772	-982
564+45.00	56445.00	45	10.61	0.00	15.50	48	0	35	997	1817	-979
564+50.00	56450.00	5	99.92	0.00	15.27	10	0	3	1007	1821	-973
565+00.00	56500.00	50	22.11	0.00	32.70	113	0	44	1120	1879	-918
565+50.00	56550.00	50	9.14	0.00	30.73	29	0	59	1149	1955	-965
566+00.00	56600.00	50	16.31	0.00	30.06	24	0	56	1173	2028	-1014
566+50.00	56650.00	50	14.17	0.00	35.71	28	0	61	1201	2107	-1065
566+86.00	56686.00	36	13.18	0.00	20.76	18	0	38	1219	2157	-1097
567+00.00	56700.00	14	77.99	0.00	20.31	24	0	11	1243	2171	-1087
567+50.00	56750.00	50	21.27	0.00	36.29	92	0	52	1335	2239	-1063
568+00.00	56800.00	50	22.03	0.00	35.25	40	0	66	1375	2324	-1108
568+50.00	56850.00	50	29.19	0.00	35.50	47	0	66	1422	2410	-1147
569+00.00	56900.00	50	22.77	0.00	35.44	48	0	66	1470	2496	-1185

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDINATE NOTE 14
569+50.00	56950.00	50	24.83	0.00	37.98	44	0	68	1514	2584	-1229
570+00.00	57000.00	50	39.18	0.00	37.36	59	0	70	1573	2675	-1261
570+50.00	57050.00	50	29.84	0.00	17.60	64	0	51	1637	2742	-1264
570+54.00	57054.00	4	29.92	0.00	17.46	4	0	3	1641	2746	-1264
571+00.00	57100.00	46	41.38	0.00	34.19	61	0	44	1702	2803	-1260
571+50.00	57150.00	50	16.47	0.00	42.25	54	0	71	1756	2895	-1298
572+00.00	57200.00	50	12.80	0.00	51.41	27	0	87	1783	3008	-1384
572+50.00	57250.00	50	5.64	0.00	72.12	17	0	114	1800	3156	-1515
573+00.00	57300.00	50	5.76	0.00	68.37	11	0	130	1811	3325	-1673
573+50.00	57350.00	50	13.71	0.00	61.36	18	0	120	1829	3481	-1811
574+00.00	57400.00	50	3.64	0.00	39.59	16	0	93	1845	3602	-1916
574+14.00	57414.00	14	3.60	0.00	37.27	2	0	20	1847	3628	-1940
574+50.00	57450.00	36	67.27	0.00	38.76	47	0	51	1894	3695	-1960
575+00.00	57500.00	50	17.68	0.00	39.66	79	0	73	1973	3790	-1976
575+50.00	57550.00	50	11.32	0.00	30.78	27	0	65	2000	3874	-2033
576+00.00	57600.00	50	9.41	0.00	28.26	19	0	55	2019	3946	-2086
576+50.00	57650.00	50	20.22	0.00	24.89	27	0	49	2046	4009	-2122
577+00.00	57700.00	50	18.51	0.00	30.02	36	0	51	2082	4076	-2153
577+50.00	57750.00	50	12.51	0.00	35.02	29	0	60	2111	4154	-2202
578+00.00	57800.00	50	6.90	0.00	46.41	18	0	75	2129	4251	-2281
578+50.00	57850.00	50	10.96	0.00	54.28	17	0	93	2146	4372	-2385
579+00.00	57900.00	50	9.20	0.00	78.83	19	0	123	2165	4532	-2526
579+50.00	57950.00	50	7.88	0.00	80.84	16	0	148	2181	4724	-2702
580+00.00	58000.00	50	6.70	0.00	87.96	14	0	156	2195	4927	-2891
580+14.85	58014.85	14.85	14.99	0.00	129.34	6	0	60	2201	5005	-2963
580+23.46	58023.46	8.61	8.14	0.00	142.44	4	0	43	2205	5061	-3015
580+50.00	58050.00	26.54	5.94	0.00	78.59	7	0	109	2212	5203	-3150
581+00.00	58100.00	50	10.38	0.00	68.15	15	0	136	2227	5379	-3311
581+50.00	58150.00	50	9.05	0.00	73.08	18	0	131	2245	5550	-3464
582+00.00	58200.00	50	12.33	0.00	46.08	20	0	110	2265	5693	-3587
582+50.00	58250.00	50	22.60	0.00	28.16	32	0	69	2297	5782	-3644
583+00.00	58300.00	50	20.16	0.00	18.73	40	0	43	2337	5838	-3660
583+50.00	58350.00	50	43.08	0.00	35.38	59	0	50	2396	5903	-3666
584+00.00	58400.00	50	38.49	0.00	28.63	76	0	59	2472	5980	-3667
584+23.00	58423.00	23	25.56	0.00	15.70	27	0	19	2499	6005	-3665
584+50.00	58450.00	27	45.38	0.00	26.19	35	0	21	2534	6032	-3657
584+76.00	58476.00	26	15.40	0.00	15.62	29	0	20	2563	6058	-3654
585+00.00	58500.00	24	32.27	0.00	42.08	21	0	26	2584	6092	-3667
585+50.00	58550.00	50	46.57	0.00	36.57	73	0	73	2657	6187	-3689
586+00.00	58600.00	50	51.43	0.00	34.60	91	0	66	2748	6273	-3684
586+50.00	58650.00	50	45.09	0.00	33.82	89	0	63	2837	6354	-3676
587+00.00	58700.00	50	38.40	0.00	36.88	77	0	65	2914	6439	-3684
587+50.00	58750.00	50	34.08	0.00	37.29	67	0	69	2981	6529	-3707
588+00.00	58800.00	50	28.78	0.00	38.38	58	0	70	3039	6620	-3740
588+50.00	58850.00	50	26.94	0.00	41.20	52	0	74	3091	6716	-3784

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDNATE NOTE 14
						NOTE 2	NOTE 4	NOTE 3			
589+00.00	58900.00	50	27.98	0.00	39.59	51	0	75	3142	6813	-3830
589+50.00	58950.00	50	19.61	0.00	36.79	44	0	71	3186	6906	-3879
590+00.00	59000.00	50	24.92	0.00	29.01	41	0	61	3227	6985	-3917
590+50.00	59050.00	50	26.58	0.00	29.87	48	0	55	3275	7056	-3940
591+00.00	59100.00	50	26.55	0.00	31.19	49	0	57	3324	7131	-3966
591+50.00	59150.00	50	23.31	0.00	32.87	46	0	59	3370	7207	-3996
592+00.00	59200.00	50	19.65	0.00	33.26	40	0	61	3410	7287	-4036
592+50.00	59250.00	50	13.33	0.00	33.28	31	0	62	3441	7367	-4085
593+00.00	59300.00	50	12.88	0.00	30.31	24	0	59	3465	7444	-4138
593+50.00	59350.00	50	14.47	0.00	28.72	25	0	55	3490	7515	-4184
594+00.00	59400.00	50	8.45	0.00	36.42	21	0	60	3511	7593	-4241
594+50.00	59450.00	50	11.57	0.00	33.62	19	0	65	3530	7678	-4307
595+00.00	59500.00	50	12.89	0.00	35.27	23	0	64	3553	7761	-4367
595+50.00	59550.00	50	15.64	0.00	27.42	26	0	58	3579	7836	-4416
595+91.00	59591.00	41	8.10	0.00	13.83	18	0	31	3597	7877	-4439
596+00.00	59600.00	9	54.63	0.00	13.83	10	0	5	3607	7883	-4435
596+50.00	59650.00	50	17.31	0.00	21.11	67	0	32	3674	7925	-4410
597+00.00	59700.00	50	17.44	0.00	19.74	32	0	38	3706	7974	-4427
597+50.00	59750.00	50	17.91	0.00	19.67	33	0	36	3739	8021	-4441
598+00.00	59800.00	50	17.20	0.00	20.89	33	0	38	3772	8070	-4457
598+50.00	59850.00	50	16.34	0.00	15.98	31	0	34	3803	8115	-4471
599+00.00	59900.00	50	15.06	0.00	21.52	29	0	35	3832	8160	-4487
599+50.00	59950.00	50	14.86	0.00	23.09	28	0	41	3860	8213	-4512
600+00.00	60000.00	50	16.45	0.00	19.47	29	0	39	3889	8264	-4534
600+50.00	60050.00	50	17.35	0.00	22.05	31	0	38	3920	8314	-4553
601+00.00	60100.00	50	18.82	0.00	20.14	33	0	39	3953	8364	-4570
601+50.00	60150.00	50	22.32	0.00	17.08	38	0	34	3991	8408	-4576
602+00.00	60200.00	50	20.70	0.00	20.36	40	0	35	4031	8454	-4582
602+50.00	60250.00	50	24.92	0.00	21.37	42	0	39	4073	8505	-4591
603+00.00	60300.00	50	23.15	0.00	23.03	45	0	41	4118	8558	-4599
603+50.00	60350.00	50	28.54	0.00	19.06	48	0	39	4166	8609	-4602
604+00.00	60400.00	50	27.44	0.00	21.09	52	0	37	4218	8657	-4598
604+50.00	60450.00	50	20.01	0.00	24.52	44	0	42	4262	8711	-4608
605+00.00	60500.00	50	16.43	0.00	28.08	34	0	49	4296	8775	-4638
605+50.00	60550.00	50	14.17	0.00	25.63	28	0	50	4324	8840	-4675
606+00.00	60600.00	50	15.54	0.00	20.88	28	0	43	4352	8896	-4703
606+50.00	60650.00	50	14.87	0.00	23.17	28	0	41	4380	8949	-4728
607+00.00	60700.00	50	25.75	0.00	18.29	38	0	38	4418	8999	-4740
607+15.00	60715.00	15	6.89	0.00	16.57	9	0	10	4427	9012	-4744
607+50.00	60750.00	35	25.78	0.00	30.64	21	0	31	4448	9052	-4763
608+00.00	60800.00	50	29.57	0.00	30.65	51	0	57	4499	9126	-4786
608+50.00	60850.00	50	24.93	0.00	22.75	50	0	49	4549	9190	-4800
609+00.00	60900.00	50	6.45	0.00	8.88	29	0	29	4578	9227	-4808
609+50.00	60950.00	50	15.74	0.00	4.84	21	0	13	4599	9244	-4804
609+54.00	60954.00	4	15.90	0.00	5.34	2	0	1	4601	9246	-4804

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

DIVISION - STH 13/34 - NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 2	NOTE 4	NOTE 3	NOTE 2		NOTE 14
610+00.00	61000.00	46	14.97	0.00	21.46	26	0	23	4627	9276	-4808
610+50.00	61050.00	50	13.60	0.00	21.26	26	0	40	4653	9328	-4834
611+00.00	61100.00	50	15.43	0.00	25.23	27	0	43	4680	9383	-4862
611+50.00	61150.00	50	16.07	0.00	32.98	29	0	54	4709	9454	-4904
612+00.00	61200.00	50	16.45	0.00	35.46	30	0	63	4739	9536	-4956
612+50.00	61250.00	50	16.15	0.00	34.85	30	0	65	4769	9620	-5010
613+00.00	61300.00	50	24.26	0.00	32.35	37	0	62	4806	9701	-5054
613+50.00	61350.00	50	23.84	0.00	31.83	45	0	59	4851	9777	-5085
614+00.00	61400.00	50	14.63	0.00	27.71	36	0	55	4887	9849	-5121
614+50.00	61450.00	50	13.44	0.00	28.02	26	0	52	4913	9916	-5162
615+00.00	61500.00	50	12.88	0.00	22.94	24	0	47	4937	9978	-5200
615+50.00	61550.00	50	8.64	0.00	9.68	20	0	30	4957	10017	-5219
616+00.00	61600.00	50	15.49	0.00	16.40	22	0	24	4979	10048	-5228
616+50.00	61650.00	50	16.04	0.00	12.25	29	0	27	5008	10083	-5234
617+00.00	61700.00	50	9.21	0.00	15.41	23	0	26	5031	10117	-5245
617+50.00	61750.00	50	16.46	0.00	12.23	24	0	26	5055	10150	-5254
618+00.00	61800.00	50	25.79	0.00	13.49	39	0	24	5094	10182	-5247
618+50.00	61850.00	50	26.12	0.00	14.22	48	0	26	5142	10215	-5232
619+00.00	61900.00	50	25.92	0.00	12.29	48	0	25	5190	10248	-5217
619+50.00	61950.00	50	27.79	0.00	10.65	50	0	21	5240	10275	-5194
620+00.00	62000.00	50	32.93	0.00	12.38	56	0	21	5296	10303	-5166
620+50.00	62050.00	50	40.47	0.00	14.11	68	0	25	5364	10335	-5130
621+00.00	62100.00	50	42.94	0.00	14.24	77	0	26	5441	10369	-5087
621+50.00	62150.00	50	33.79	0.00	13.94	71	0	26	5512	10403	-5050
622+00.00	62200.00	50	29.12	0.00	16.41	58	0	28	5570	10439	-5028
622+29.00	62229.00	29	4.48	0.00	14.82	18	0	17	5588	10461	-5032
622+50.00	62250.00	21	36.66	0.00	20.47	16	0	14	5604	10479	-5034
623+00.00	62300.00	50	40.93	0.00	23.56	72	0	41	5676	10533	-5016
623+39.00	62339.00	39	4.58	0.00	16.58	33	0	29	5709	10570	-5020
623+50.00	62350.00	11	63.09	0.00	17.23	14	0	7	5723	10579	-5015
624+00.00	62400.00	50	42.01	0.00	21.37	97	0	36	5820	10626	-4965
624+50.00	62450.00	50	19.17	0.00	16.66	57	0	35	5877	10672	-4954
625+00.00	62500.00	50	20.51	0.00	18.89	37	0	33	5914	10715	-4960
625+50.00	62550.00	50	26.20	0.00	22.71	43	0	39	5957	10765	-4967
626+00.00	62600.00	50	31.23	0.00	24.29	53	0	44	6010	10823	-4972
626+50.00	62650.00	50	33.80	0.00	22.70	60	0	44	6070	10880	-4969
627+00.00	62700.00	50	45.01	0.00	20.84	73	0	40	6143	10932	-4948
627+50.00	62750.00	50	51.44	0.00	19.78	89	0	38	6232	10981	-4908
628+00.00	62800.00	50	60.42	0.00	18.96	104	0	36	6336	11028	-4851
628+50.00	62850.00	50	60.34	0.00	22.37	112	0	38	6448	11077	-4788
629+00.00	62900.00	50	62.09	0.00	21.60	113	0	41	6561	11131	-4729
629+50.00	62950.00	50	48.22	0.00	24.95	102	0	43	6663	11187	-4683
630+00.00	63000.00	50	38.02	0.00	26.82	80	0	48	6743	11249	-4665
630+50.00	63050.00	50	20.26	0.00	32.56	54	0	55	6797	11320	-4682
631+00.00	63100.00	50	41.19	0.00	26.60	57	0	55	6854	11392	-4697

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00	EXPANDED FILL 1.30	MASS ORDINATE
						NOTE 2	NOTE 4	NOTE 3	NOTE 2		NOTE 14
631+50.00	63150.00	50	55.06	0.00	26.72	89	0	49	6943	11456	-4672
632+00.00	63200.00	50	51.79	0.00	25.43	99	0	48	7042	11518	-4635
632+50.00	63250.00	50	37.57	0.00	21.74	83	0	44	7125	11575	-4609
632+90.00	63290.00	40	18.26	0.00	8.28	41	0	22	7166	11604	-4597
633+00.00	63300.00	10	57.97	0.00	7.90	14	0	3	7180	11608	-4587
633+50.00	63350.00	50	20.10	0.00	20.12	72	0	26	7252	11642	-4549
633+94.00	63394.00	44	9.20	0.00	8.99	24	0	24	7276	11673	-4556
634+00.00	63400.00	6	8.57	0.00	9.26	2	0	2	7278	11675	-4556
634+50.00	63450.00	50	22.60	0.00	21.98	29	0	29	7307	11713	-4565
635+00.00	63500.00	50	14.63	0.00	5.46	34	0	25	7341	11746	-4564
635+35.80	63535.80	35.8	10.46	0.00	5.99	17	0	8	7358	11756	-4557
635+50.00	63550.00	14.2	8.79	0.00	7.44	5	0	4	7363	11761	-4557
636+00.00	63600.00	50	10.73	0.00	29.26	18	0	34	7381	11805	-4583
636+50.00	63650.00	50	5.98	0.00	24.76	15	0	50	7396	11870	-4633
636+57.87	63657.87	7.87	9.58	0.00	63.87	2	0	13	7398	11887	-4648
637+00.00	63700.00	42.13	9.93	0.00	34.04	15	0	76	7413	11986	-4732
637+50.00	63750.00	50	8.15	0.00	34.07	17	0	63	7430	12068	-4797
638+00.00	63800.00	50	7.67	0.00	26.27	15	0	56	7445	12141	-4855
638+50.00	63850.00	50	6.53	0.00	20.90	13	0	44	7458	12198	-4899
639+00.00	63900.00	50	21.57	0.00	23.77	26	0	41	7484	12251	-4926
639+50.00	63950.00	50	21.73	0.00	27.63	40	0	48	7524	12314	-4949
640+00.00	64000.00	50	27.78	0.00	30.69	46	0	54	7570	12384	-4973
640+50.00	64050.00	50	79.13	0.00	15.57	99	0	43	7669	12440	-4930
641+00.00	64100.00	50	39.49	0.00	27.07	110	0	39	7779	12490	-4870
641+50.00	64150.00	50	34.88	0.00	27.52	69	0	51	7848	12557	-4868
642+00.00	64200.00	50	25.81	0.00	27.76	56	0	51	7904	12623	-4878
642+50.00	64250.00	50	18.99	0.00	30.21	41	0	54	7945	12693	-4907
643+00.00	64300.00	50	14.07	0.00	29.22	31	0	55	7976	12765	-4948
643+50.00	64350.00	50	10.12	0.00	29.22	22	0	54	7998	12835	-4996
644+00.00	64400.00	50	14.30	0.00	24.72	23	0	50	8021	12900	-5038
644+50.00	64450.00	50	19.56	0.00	29.00	31	0	50	8052	12965	-5072
645+00.00	64500.00	50	24.79	0.00	28.53	41	0	53	8093	13034	-5100
645+50.00	64550.00	50	20.17	0.00	30.31	42	0	54	8135	13104	-5128
646+00.00	64600.00	50	25.83	0.00	31.36	43	0	57	8178	13178	-5159
646+50.00	64650.00	50	27.34	0.00	37.08	49	0	63	8227	13260	-5192
647+00.00	64700.00	50	19.30	0.00	39.69	43	0	71	8270	13352	-5241
647+50.00	64750.00	50	15.65	0.00	51.80	32	0	85	8302	13463	-5320
648+00.00	64800.00	50	11.87	0.00	67.38	25	0	110	8327	13606	-5438
648+50.00	64850.00	50	3.48	0.00	32.65	14	0	93	8341	13727	-5545
648+66.00	64866.00	16	10.82	0.00	26.15	4	0	17	8345	13749	-5563
649+00.00	64900.00	34	17.35	0.00	54.82	18	0	51	8363	13815	-5611
649+50.00	64950.00	50	15.03	0.00	52.13	30	0	99	8393	13944	-5710
650+00.00	65000.00	50	18.62	0.00	45.71	31	0	91	8424	14062	-5797
650+50.00	65050.00	50	16.03	0.00	42.81	32	0	82	8456	14169	-5872
651+00.00	65100.00	50	19.47	0.00	33.32	33	0	70	8489	14260	-5930

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT 1.00 NOTE 2	EXPANDED FILL 1.30	MASS ORDINATE NOTE 14
			NOTE 2	NOTE 4	NOTE 3						
651+50.00	65150.00	50	23.53	0.00	23.24	40	0	52	8529	14327	-5957
652+00.00	65200.00	50	34.12	0.00	23.88	53	0	44	8582	14385	-5962
652+50.00	65250.00	50	22.40	0.00	21.38	52	0	42	8634	14439	-5964
653+00.00	65300.00	50	37.06	0.00	21.93	55	0	40	8689	14491	-5961
653+50.00	65350.00	50	38.20	0.00	26.77	70	0	45	8759	14550	-5950
654+00.00	65400.00	50	30.70	0.00	26.75	64	0	50	8823	14615	-5951
654+50.00	65450.00	50	33.76	0.00	27.61	60	0	50	8883	14680	-5956
655+00.00	65500.00	50	39.13	0.00	33.73	67	0	57	8950	14754	-5963
655+50.00	65550.00	50	47.07	0.00	28.83	80	0	58	9030	14829	-5958
656+00.00	65600.00	50	52.29	0.00	23.61	92	0	49	9122	14893	-5930
656+19.00	65619.00	19	38.40	0.00	13.31	32	0	13	9154	14910	-5915
656+50.00	65650.00	31	48.64	0.00	24.71	50	0	22	9204	14938	-5893
657+00.00	65700.00	50	46.60	0.00	24.53	88	0	46	9292	14998	-5865
657+50.00	65750.00	50	39.26	0.00	23.40	80	0	44	9372	15055	-5842
658+00.00	65800.00	50	32.48	0.00	24.94	66	0	45	9438	15114	-5835
658+50.00	65850.00	50	29.78	0.00	24.85	58	0	46	9496	15174	-5837
659+00.00	65900.00	50	17.69	0.00	24.49	44	0	46	9540	15233	-5852
659+50.00	65950.00	50	11.72	0.00	21.57	27	0	43	9567	15289	-5881
660+00.00	66000.00	50	34.49	0.00	13.43	43	0	32	9610	15331	-5880
660+00.00	66000.00	0	0.00	0.00	0.00	0	0	0	9610	15331	-5880
660+50.00	66050.00	50	6.22	0.00	21.39	6	0	20	9616	15357	-5900
661+00.00	66100.00	50	4.39	0.00	22.49	10	0	41	9626	15410	-5943
661+50.00	66150.00	50	0.00	0.00	0.00	4	0	21	9630	15438	-5967
661+68.99	66168.99	18.99	0.00	0.00	0.00	0	0	0	9630	15438	-5967
662+00.00	66200.00	31.01	0.00	0.00	0.00	0	0	0	9630	15438	-5967
662+50.00	66250.00	50	8.91	0.00	31.47	8	0	29	9638	15475	-5996
663+00.00	66300.00	50	8.83	0.00	34.52	16	0	61	9654	15555	-6060
663+50.00	66350.00	50	8.25	0.00	42.61	16	0	71	9670	15647	-6136
664+00.00	66400.00	50	7.86	0.00	44.71	15	0	81	9685	15752	-6226
664+50.00	66450.00	50	7.54	0.00	40.79	14	0	79	9699	15855	-6315
665+00.00	66500.00	50	8.12	0.00	34.67	14	0	70	9713	15946	-6392
665+50.00	66550.00	50	8.28	0.00	35.39	15	0	65	9728	16030	-6461
666+00.00	66600.00	50	9.36	0.00	28.65	16	0	59	9744	16107	-6522
666+50.00	66650.00	50	11.99	0.00	22.18	20	0	47	9764	16168	-6563
667+00.00	66700.00	50	13.33	0.00	19.43	23	0	39	9787	16219	-6591
667+50.00	66750.00	50	13.78	0.00	16.53	25	0	33	9812	16262	-6609
668+00.00	66800.00	50	15.00	0.00	14.06	27	0	28	9839	16298	-6618
668+50.00	66850.00	50	15.19	0.00	14.64	28	0	27	9867	16333	-6625
669+00.00	66900.00	50	45.77	0.00	14.22	56	0	27	9923	16368	-6604
669+50.00	66950.00	50	47.64	0.00	10.31	86	0	23	10009	16398	-6548
670+00.00	67000.00	50	17.66	0.00	14.01	60	0	23	10069	16428	-6518
670+50.00	67050.00	50	14.19	0.00	17.75	29	0	29	10098	16466	-6527
671+00.00	67100.00	50	74.82	0.00	0.00	82	0	16	10180	16487	-6466
671+50.00	67150.00	50	13.77	0.00	23.19	82	0	21	10262	16514	-6411
672+00.00	67200.00	50	15.00	0.00	24.46	27	0	44	10289	16571	-6441

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

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DIVISION - STH 13/34 - NORTH

STATION	REAL STATION	DISTANCE	AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
			CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	SALVAGED/UNUSABLE PAVEMENT MATERIAL	FILL	CUT	EXPANDED FILL	MASS ORDNATE
						NOTE 2	NOTE 4	NOTE 3	1.00 NOTE 2	1.30	NOTE 14
672+50.00	67250.00	50	14.07	0.00	27.51	27	0	48	10316	16634	-6477
673+00.00	67300.00	50	15.07	0.00	30.99	27	0	54	10343	16704	-6520
673+50.00	67350.00	50	13.26	0.00	40.24	26	0	66	10369	16790	-6580
674+00.00	67400.00	50	11.76	0.00	49.50	23	0	83	10392	16897	-6664
674+50.00	67450.00	50	9.15	0.00	50.14	19	0	92	10411	17017	-6765
675+00.00	67500.00	50	13.33	0.00	33.55	21	0	77	10432	17117	-6844
675+50.00	67550.00	50	16.78	0.00	32.46	28	0	61	10460	17196	-6895
676+00.00	67600.00	50	16.96	0.00	27.57	31	0	56	10491	17269	-6937
676+50.00	67650.00	50	21.02	0.00	25.24	35	0	49	10526	17333	-6966
677+00.00	67700.00	50	21.99	0.00	22.12	40	0	44	10566	17390	-6983
677+50.00	67750.00	50	16.86	0.00	25.29	36	0	44	10602	17447	-7004
678+00.00	67800.00	50	17.28	0.00	25.69	32	0	47	10634	17508	-7033
678+50.00	67850.00	50	20.05	0.00	24.76	35	0	47	10669	17570	-7060
679+00.00	67900.00	50	19.91	0.00	23.97	37	0	45	10706	17628	-7081
679+50.00	67950.00	50	19.58	0.00	23.16	37	0	44	10743	17685	-7101
680+00.00	68000.00	50	18.55	0.00	26.09	35	0	46	10778	17745	-7126
680+50.00	68050.00	50	17.40	0.00	25.96	33	0	48	10811	17807	-7155
681+00.00	68100.00	50	12.69	0.00	28.52	28	0	50	10839	17872	-7192
681+50.00	68150.00	50	13.11	0.00	24.36	24	0	49	10863	17936	-7232
682+00.00	68200.00	50	13.71	0.00	23.97	25	0	45	10888	17995	-7266
682+50.00	68250.00	50	13.00	0.00	27.92	25	0	48	10913	18057	-7303
683+00.00	68300.00	50	12.49	0.00	29.01	24	0	53	10937	18126	-7348
683+50.00	68350.00	50	14.50	0.00	29.06	25	0	54	10962	18196	-7393
684+00.00	68400.00	50	14.78	0.00	26.00	27	0	51	10989	18262	-7432
684+50.00	68450.00	50	15.27	0.00	22.74	28	0	45	11017	18321	-7463
685+00.00	68500.00	50	23.49	0.00	16.50	36	0	36	11053	18368	-7474
685+50.00	68550.00	50	22.87	0.00	16.29	43	0	30	11096	18407	-7470
686+00.00	68600.00	50	5.83	0.00	11.24	27	0	25	11123	18439	-7475
686+05.66	68605.66	5.66	5.85	0.00	11.29	1	0	2	11124	18442	-7477
686+50.00	68650.00	44.34	11.85	0.00	24.09	15	0	29	11139	18480	-7500
687+00.00	68700.00	50	3.11	0.00	12.29	14	0	34	11153	18524	-7530
687+07.53	68707.53	7.53	3.23	0.00	11.98	1	0	3	11154	18528	-7533
687+50.00	68750.00	42.47	4.95	0.00	29.77	6	0	33	11160	18571	-7570
688+00.00	68800.00	50	13.12	0.00	26.35	17	0	52	11177	18638	-7620
688+21.00	68821.00	21	2.43	0.00	18.32	6	0	17	11183	18660	-7636
688+50.00	68850.00	29	15.94	0.00	28.78	10	0	25	11193	18693	-7659
689+00.00	68900.00	50	14.82	0.00	27.64	28	0	52	11221	18760	-7698
689+50.00	68950.00	50	15.87	0.00	27.02	28	0	51	11249	18827	-7737
690+00.00	69000.00	50	9.37	0.00	22.49	23	0	46	11272	18886	-7773
690+50.00	69050.00	50	9.13	0.00	20.05	17	0	39	11289	18937	-7807
690+89.45	69089.45	39.45	0.00	15.00	19.51	7	11	29	11296	18975	-7849
691+00.00	69100.00	10.55	0.00	15.00	20.63	0	6	8	11296	18985	-7865
691+50.00	69150.00	50	35.67	15.00	20.25	33	28	38	11329	19035	-7910
692+00.00	69200.00	50	50.52	15.00	3.98	80	28	22	11409	19063	-7886
692+50.00	69250.00	50.00	71.16	15.00	0.00	113	28	4	11522	19068	-7806
693+00.00	69300.00	50.00	90.27	15.00	0.00	149	28	0	11671	19068	-7685
693+30.00	69330.00	30.00	17.10	15.00	0.00	60	17	0	11731	19068	-7642
693+50.00	69350.00	20.00	82.13	15.00	0.00	37	11	0	11768	19068	-7616

SEE MISCELLANEOUS QUANTITIES EARTHWORK
SUMMARY TABLE FOR NOTE DESCRIPTIONS

PROJECT NO: 6340-00-74

HWY: STH 13

COUNTY: WOOD/PORTAGE

EARTHWORK

SHEET: 190

E

FILE NAME : _____

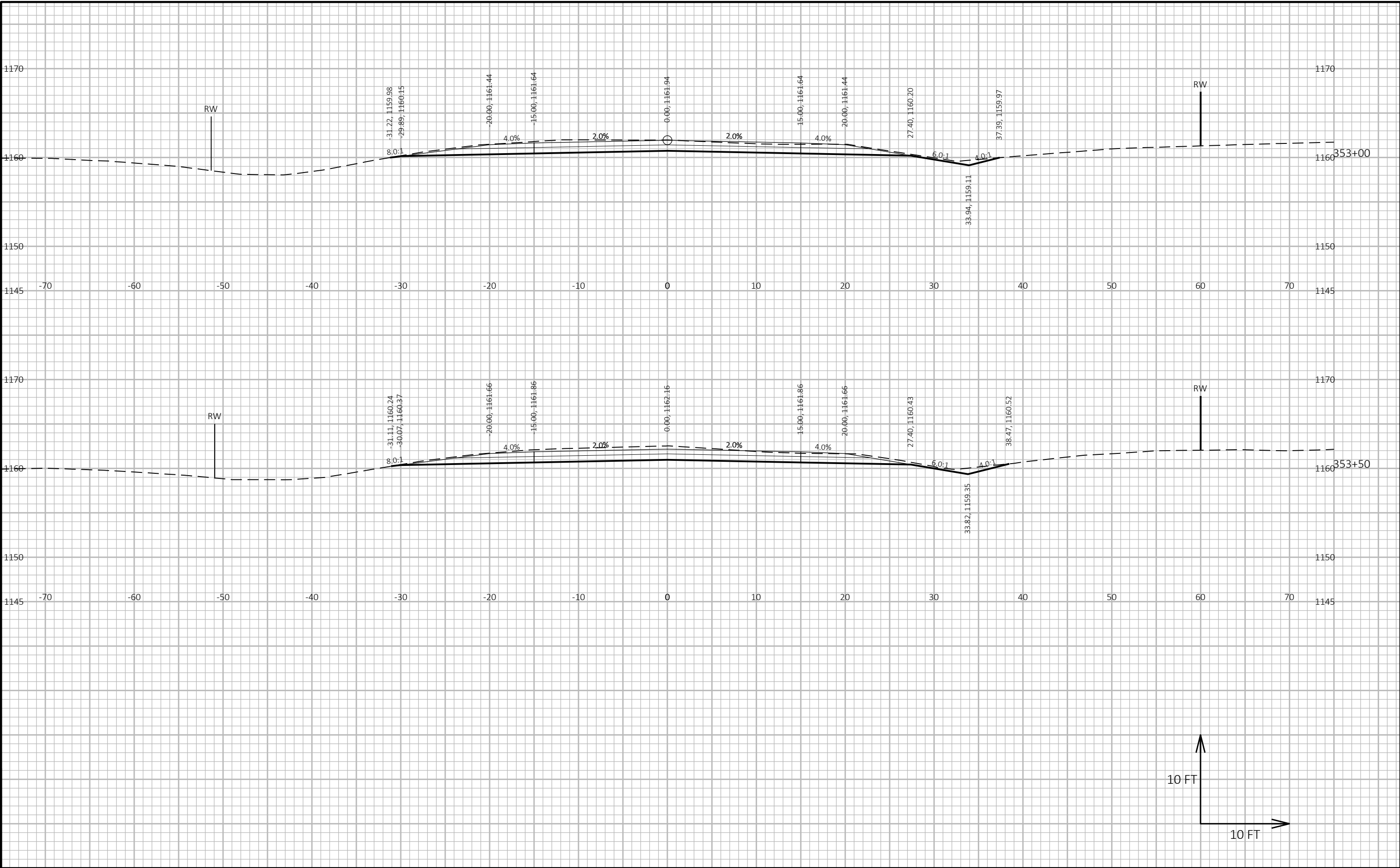
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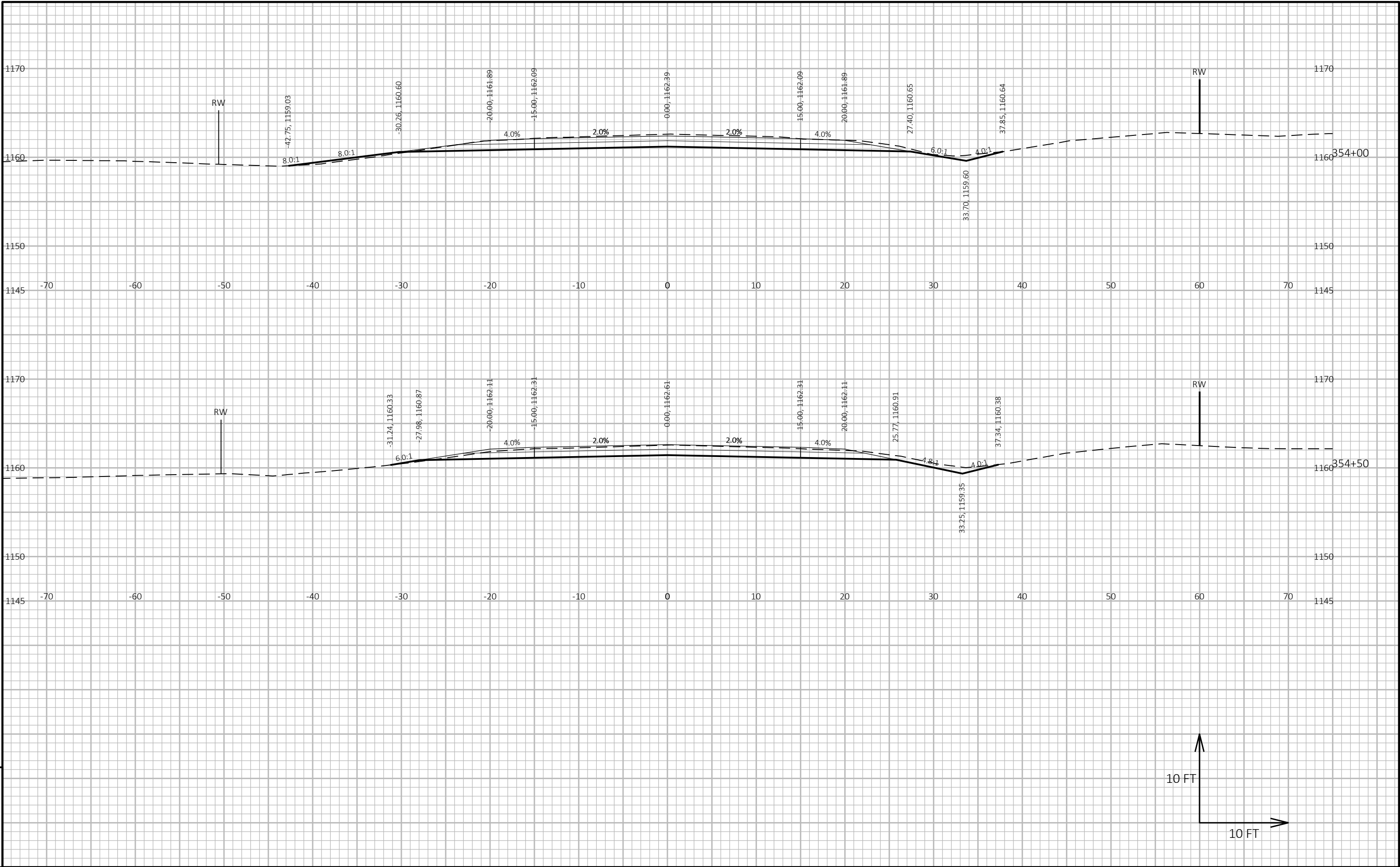
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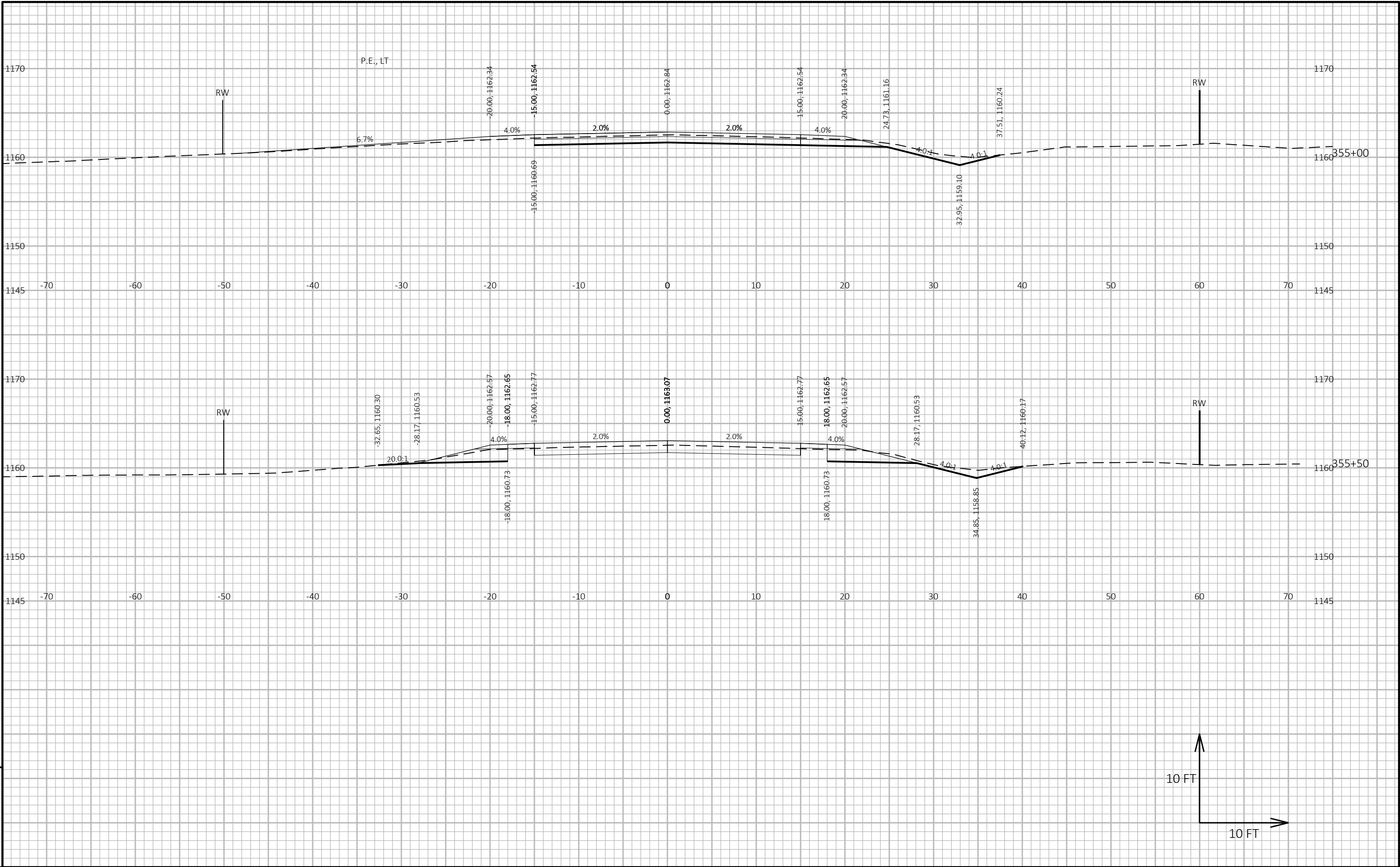
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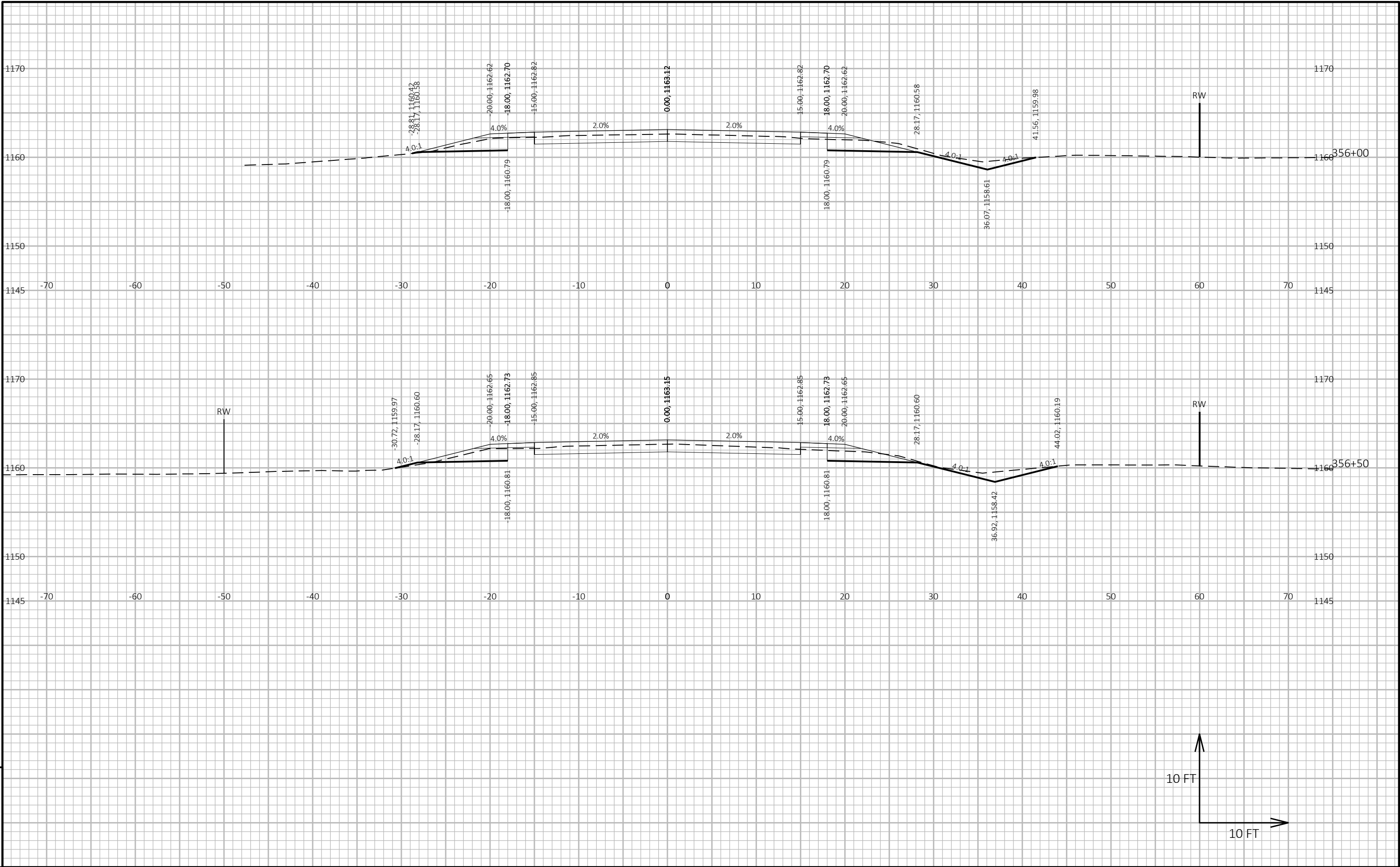
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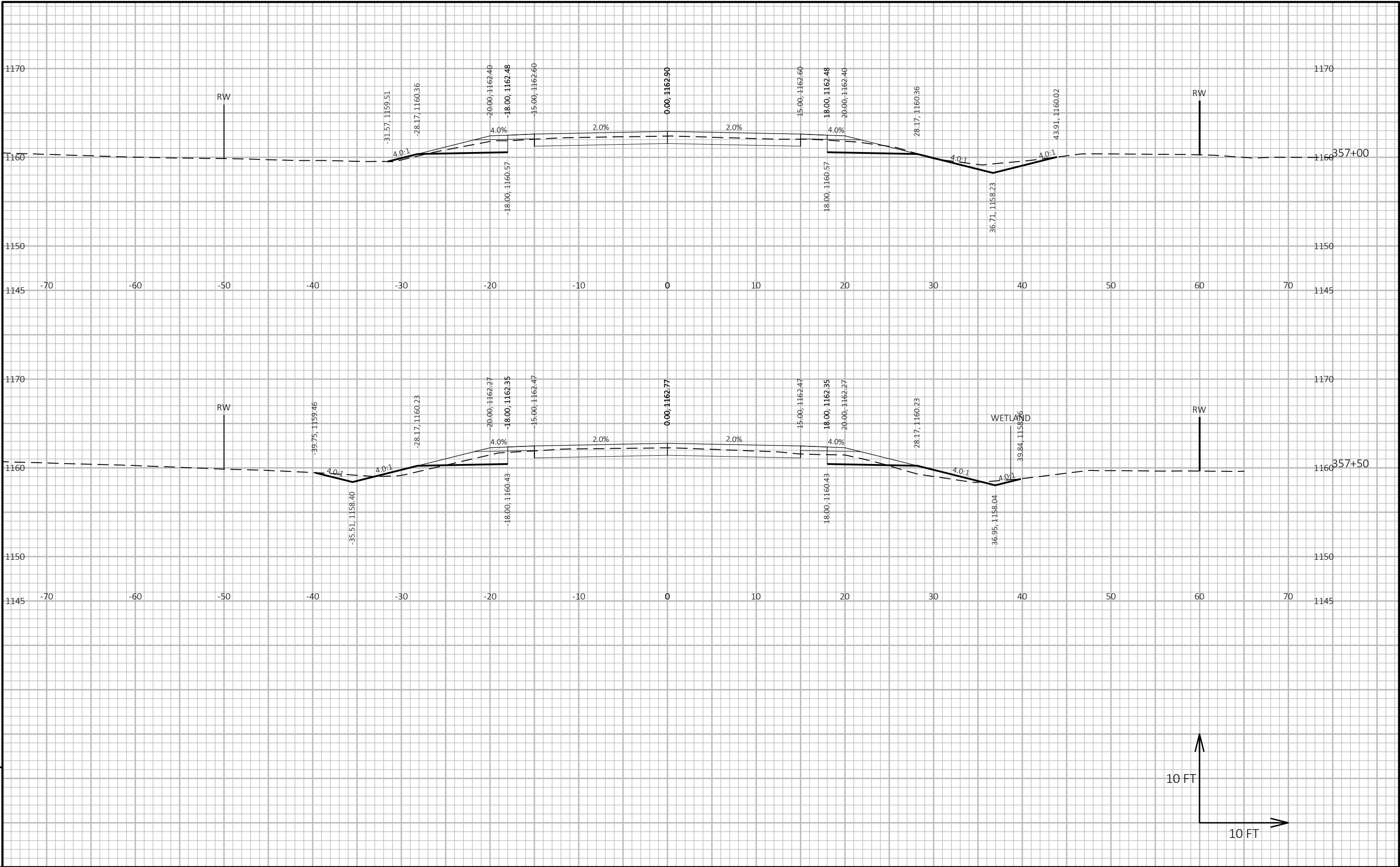
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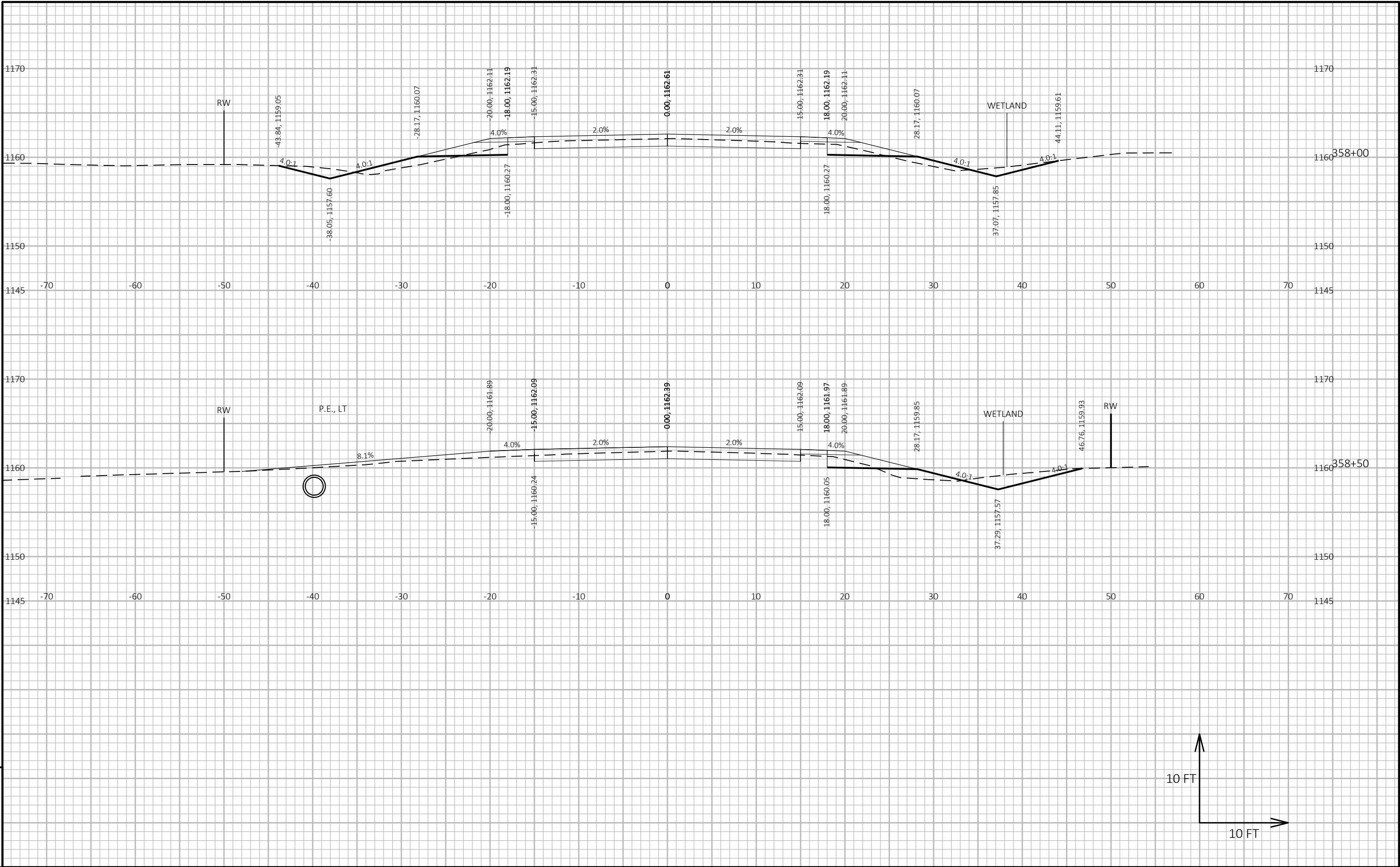


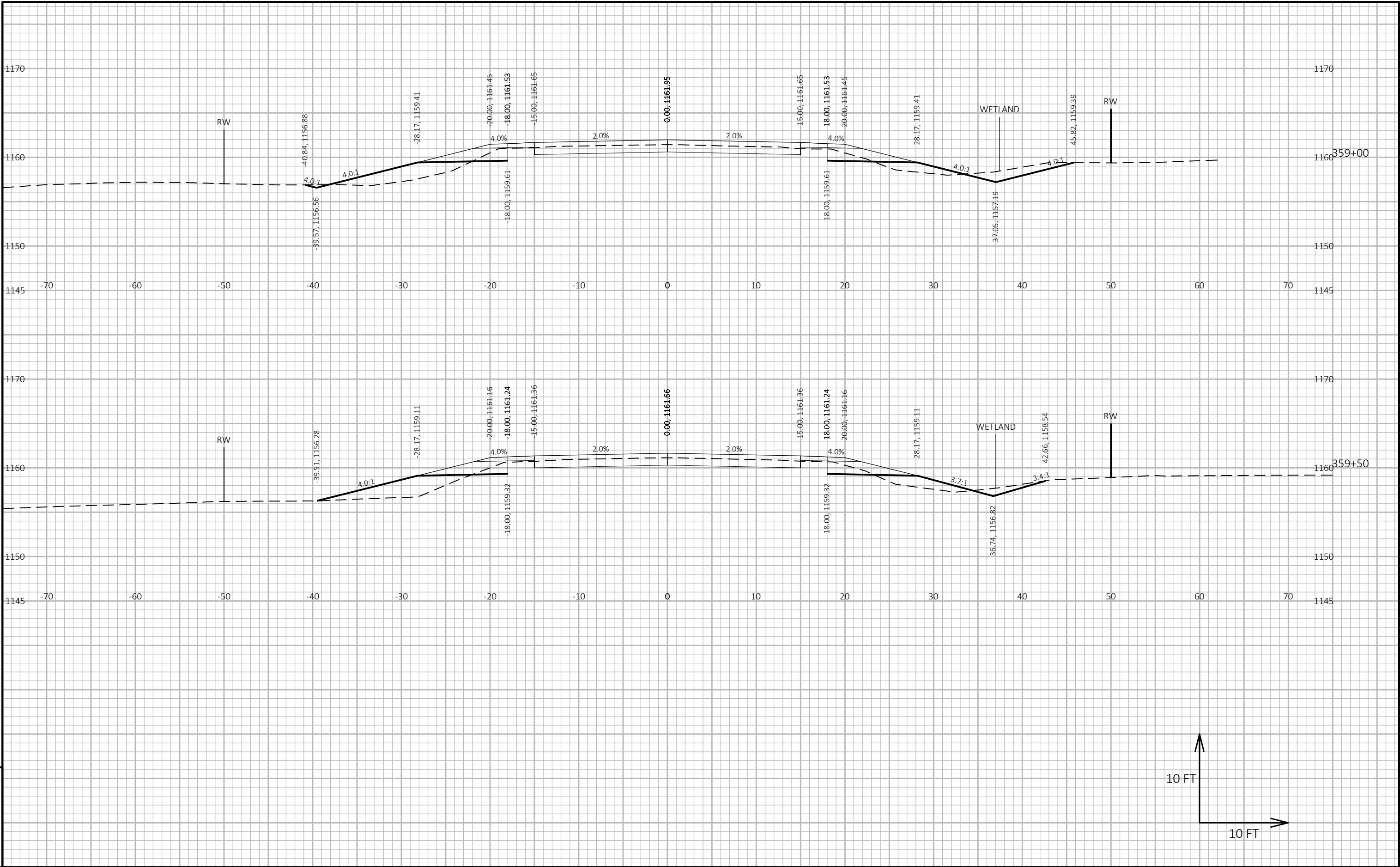


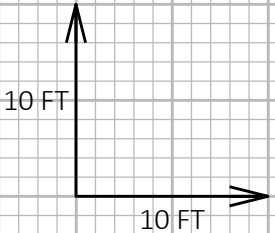
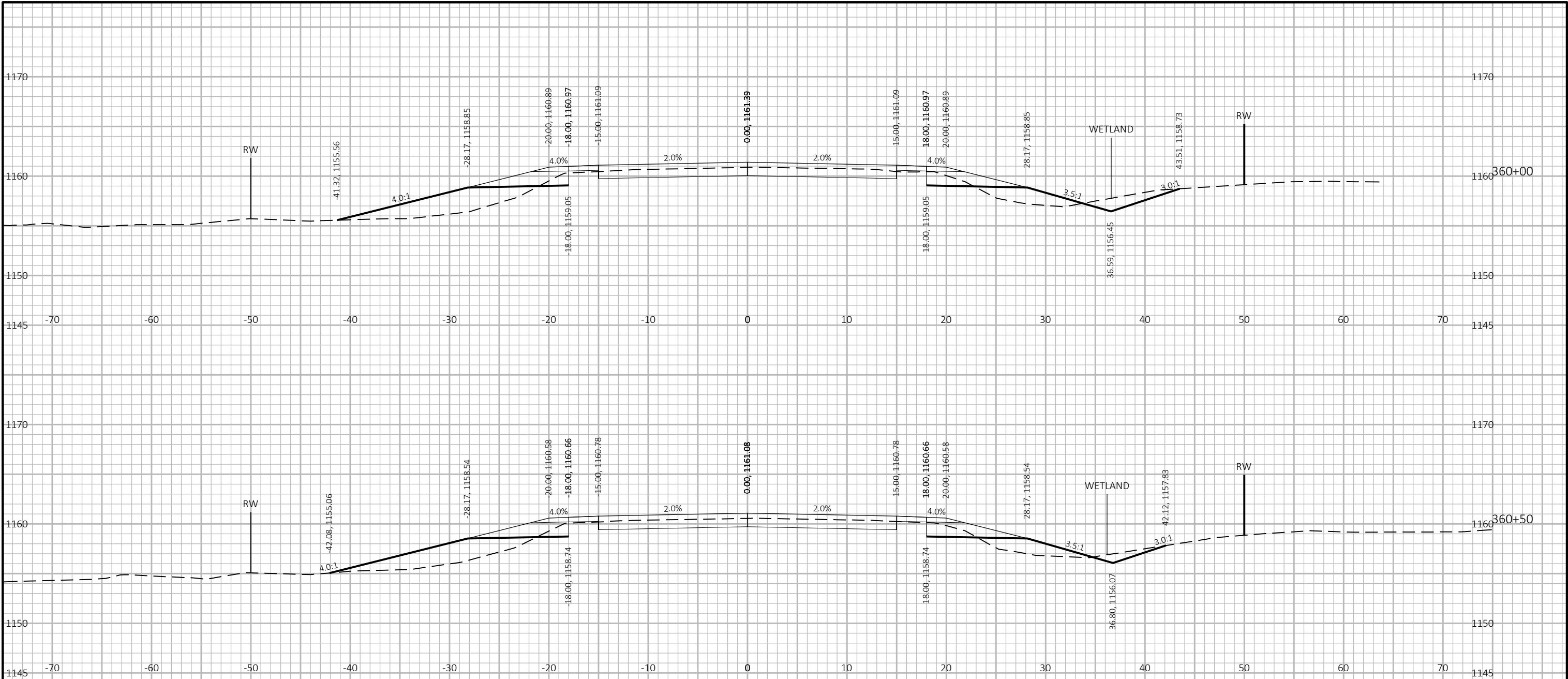






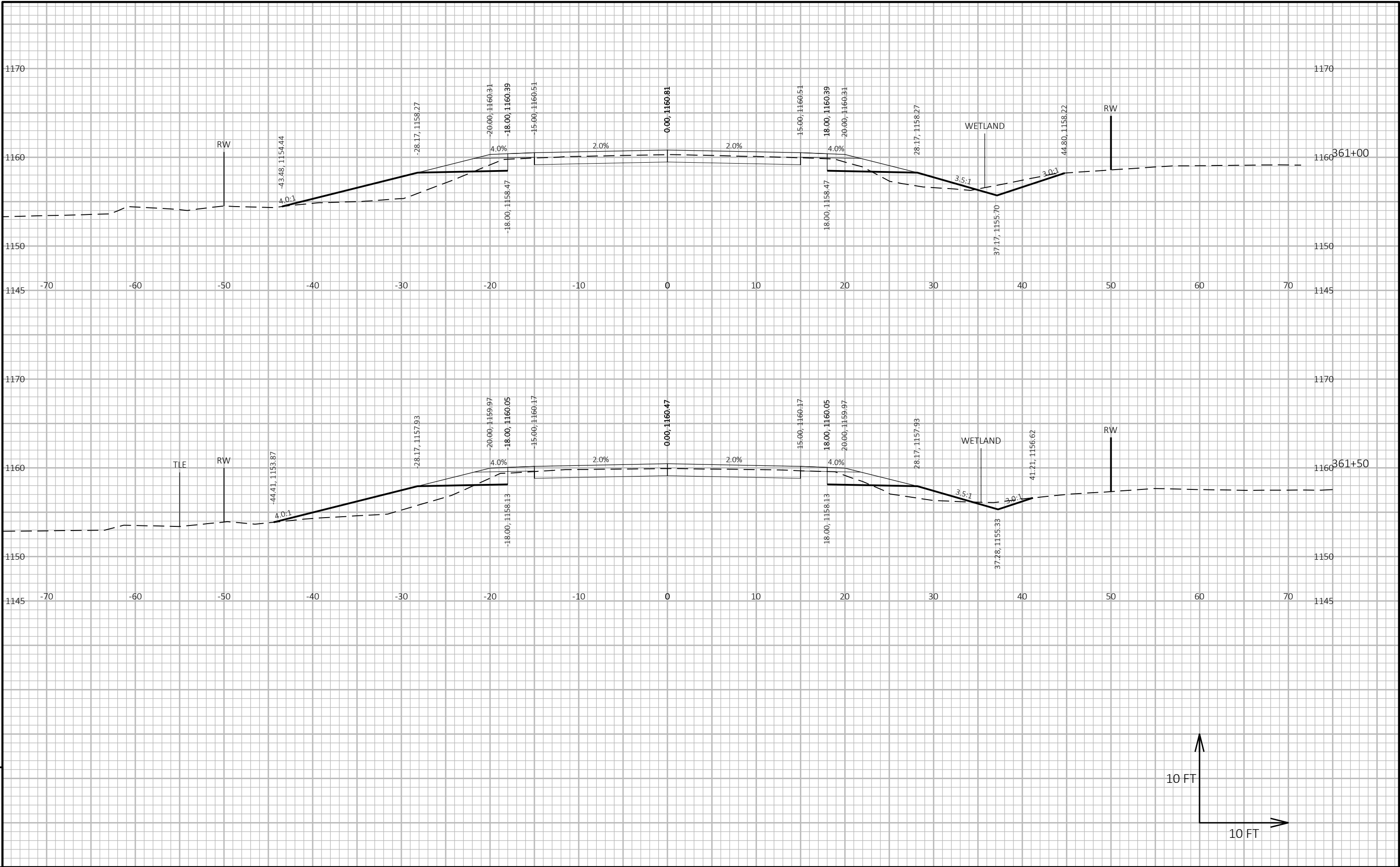


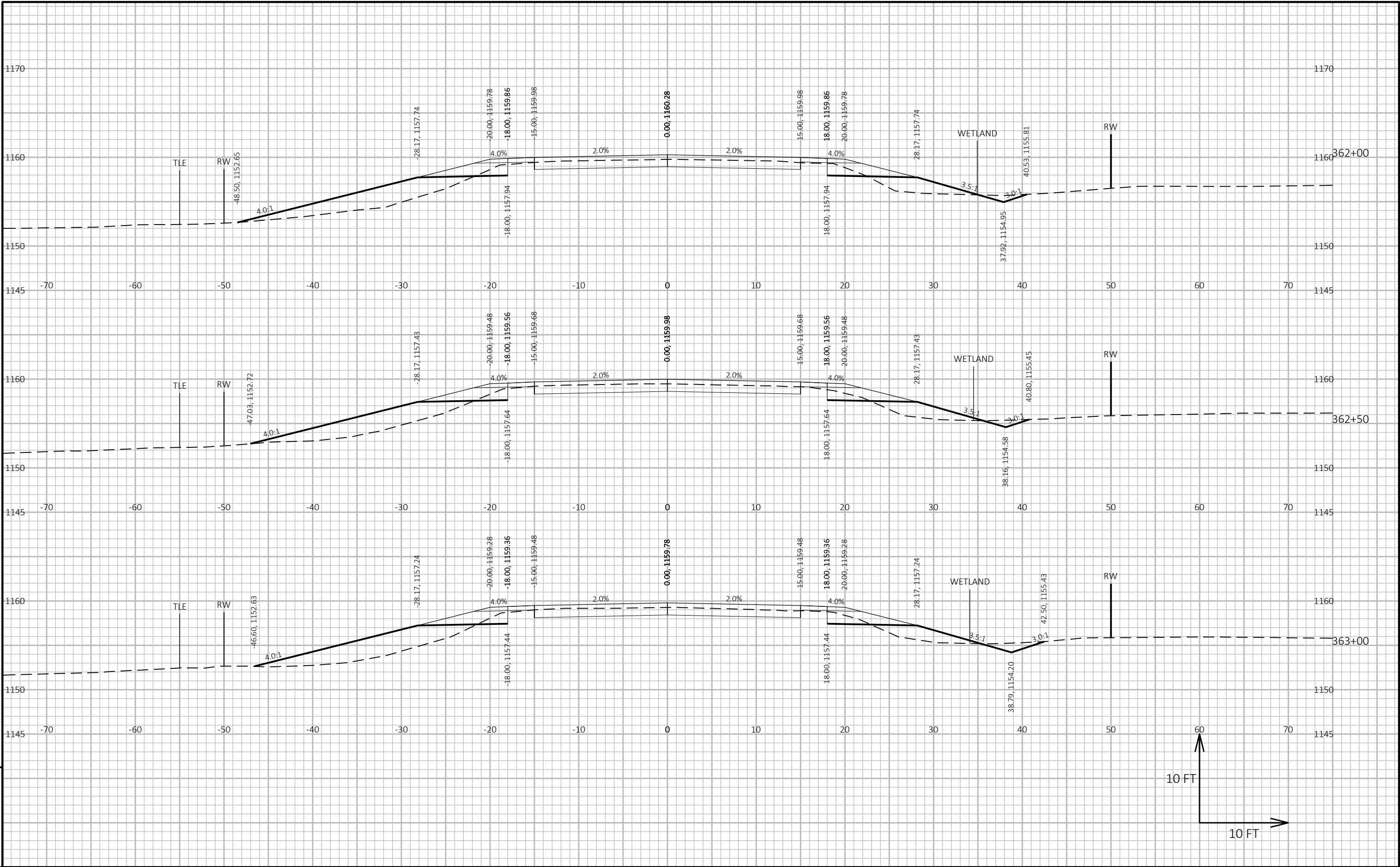


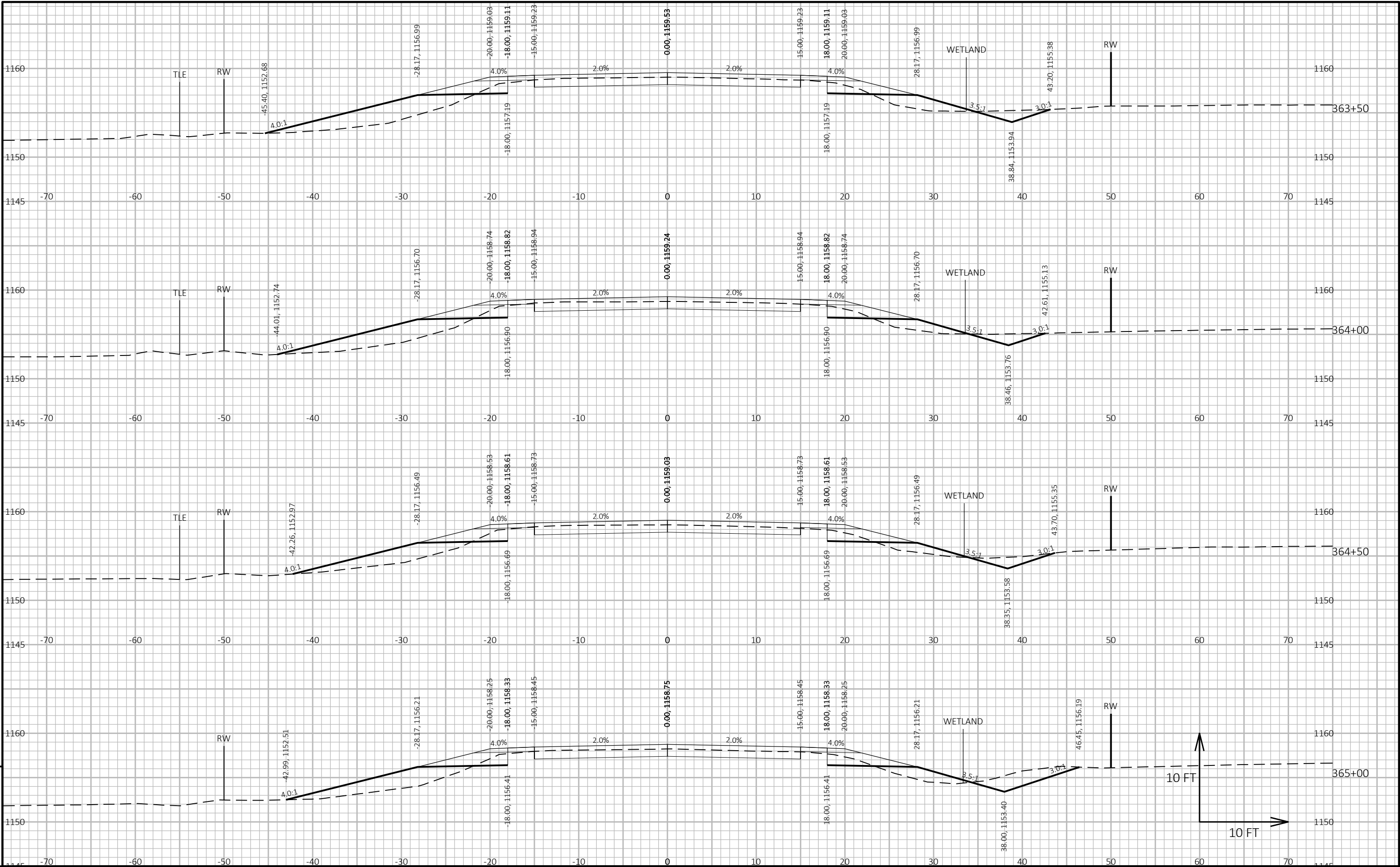


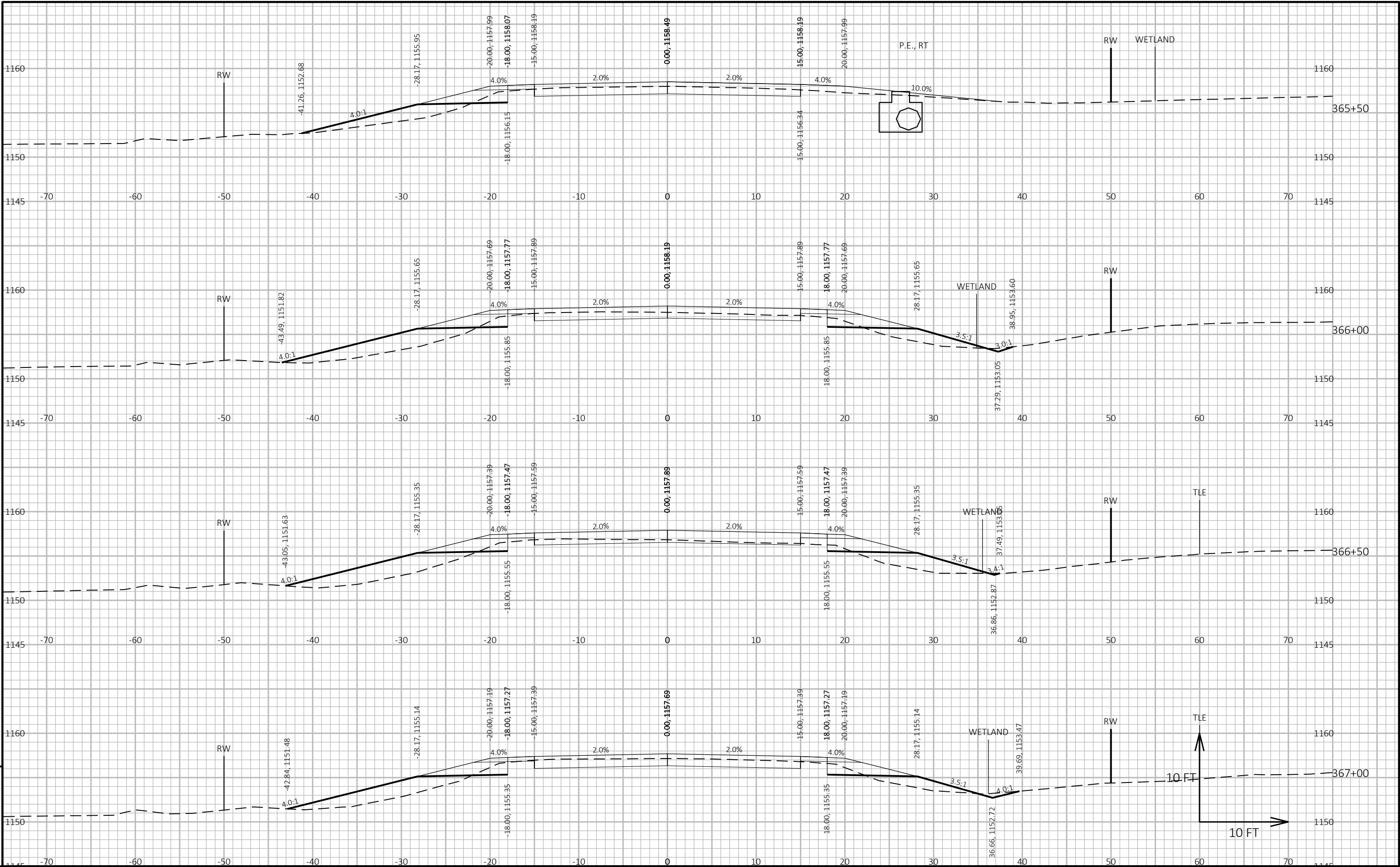
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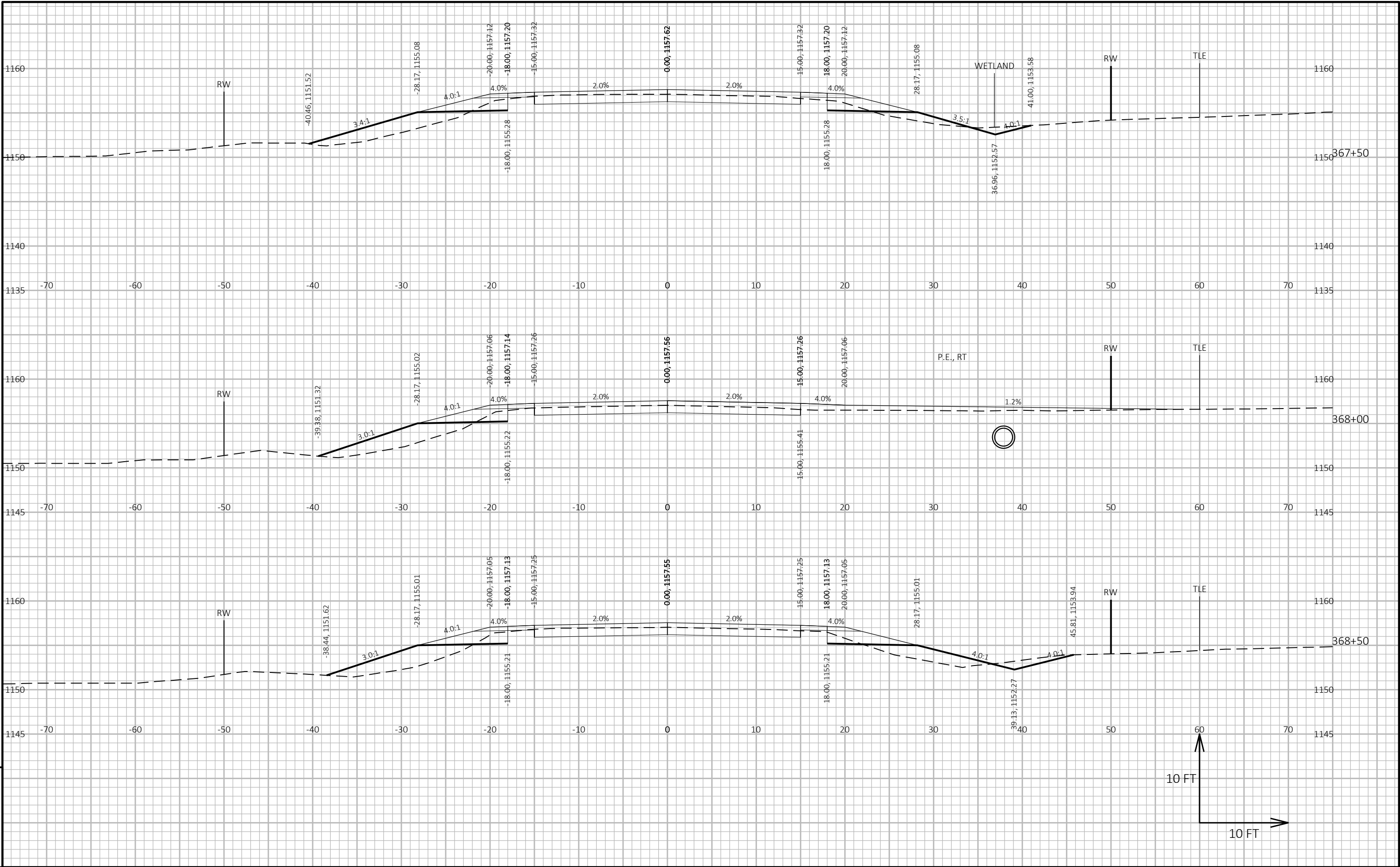
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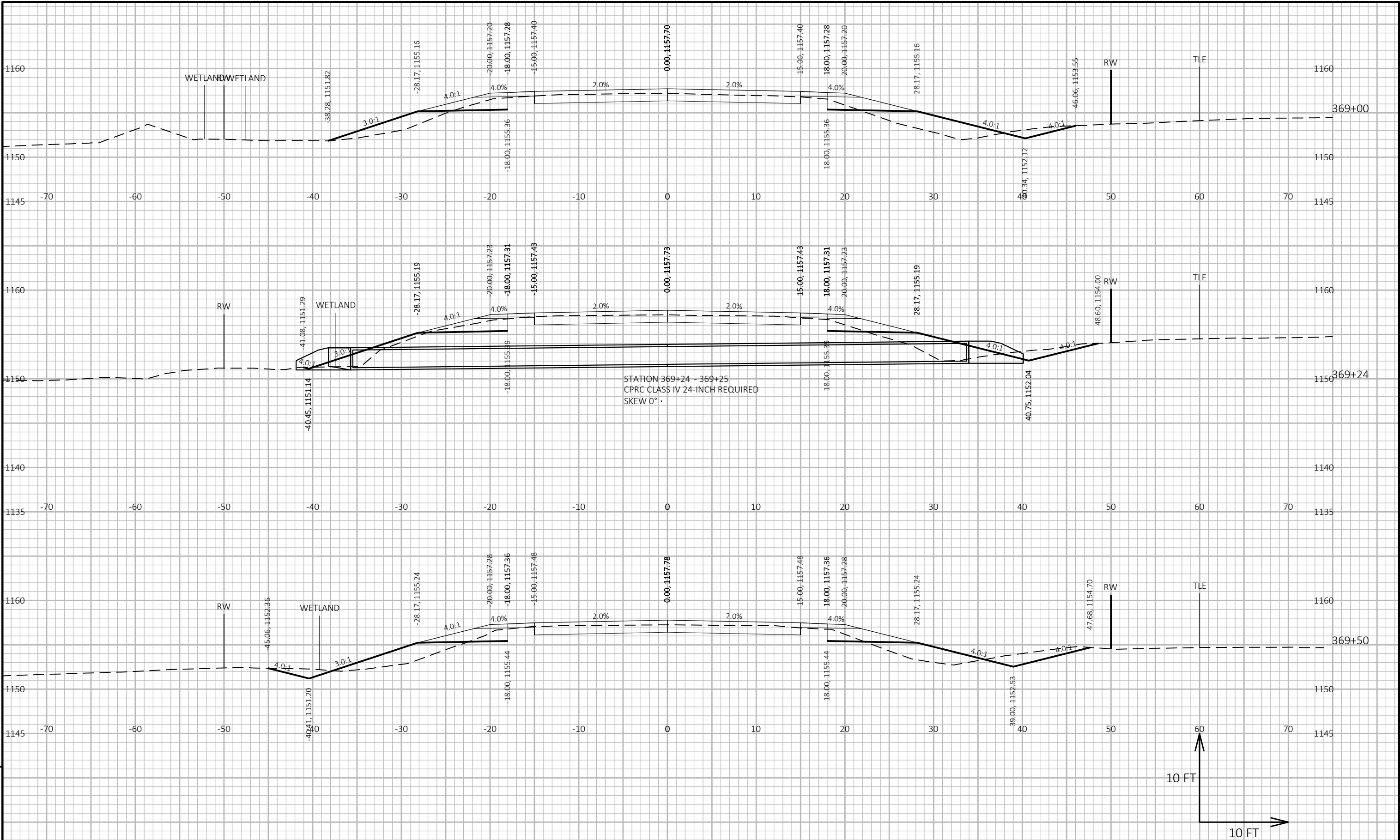


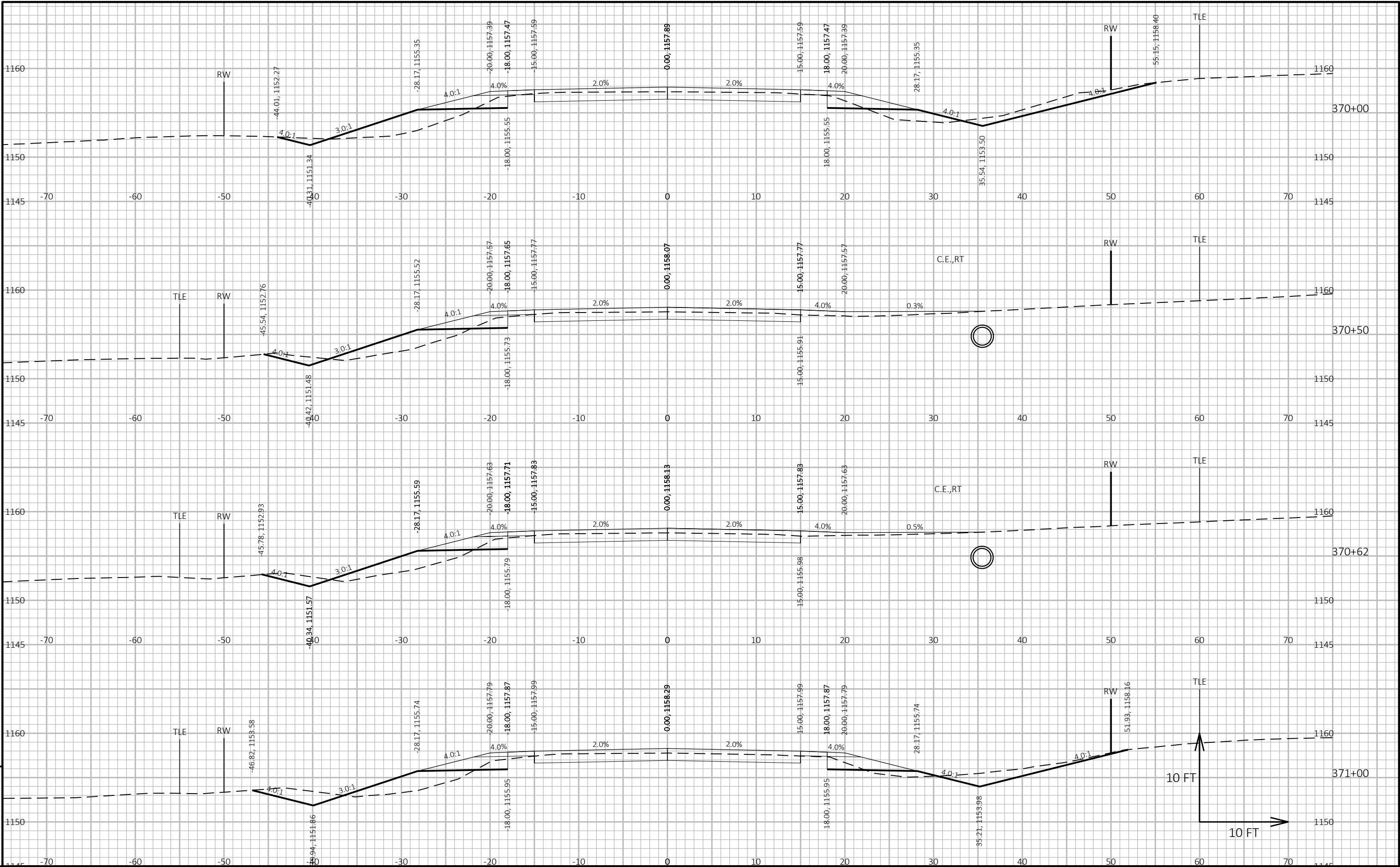






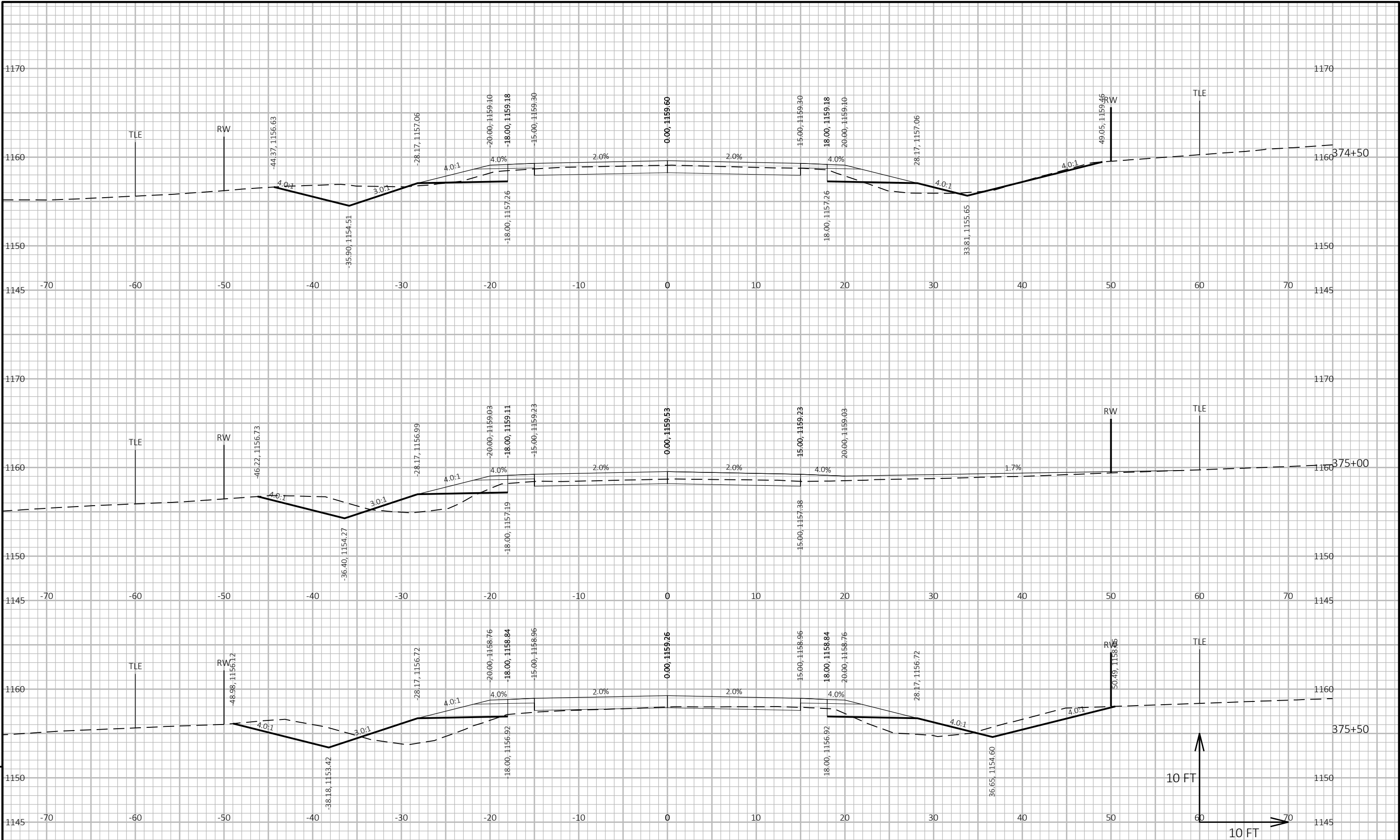


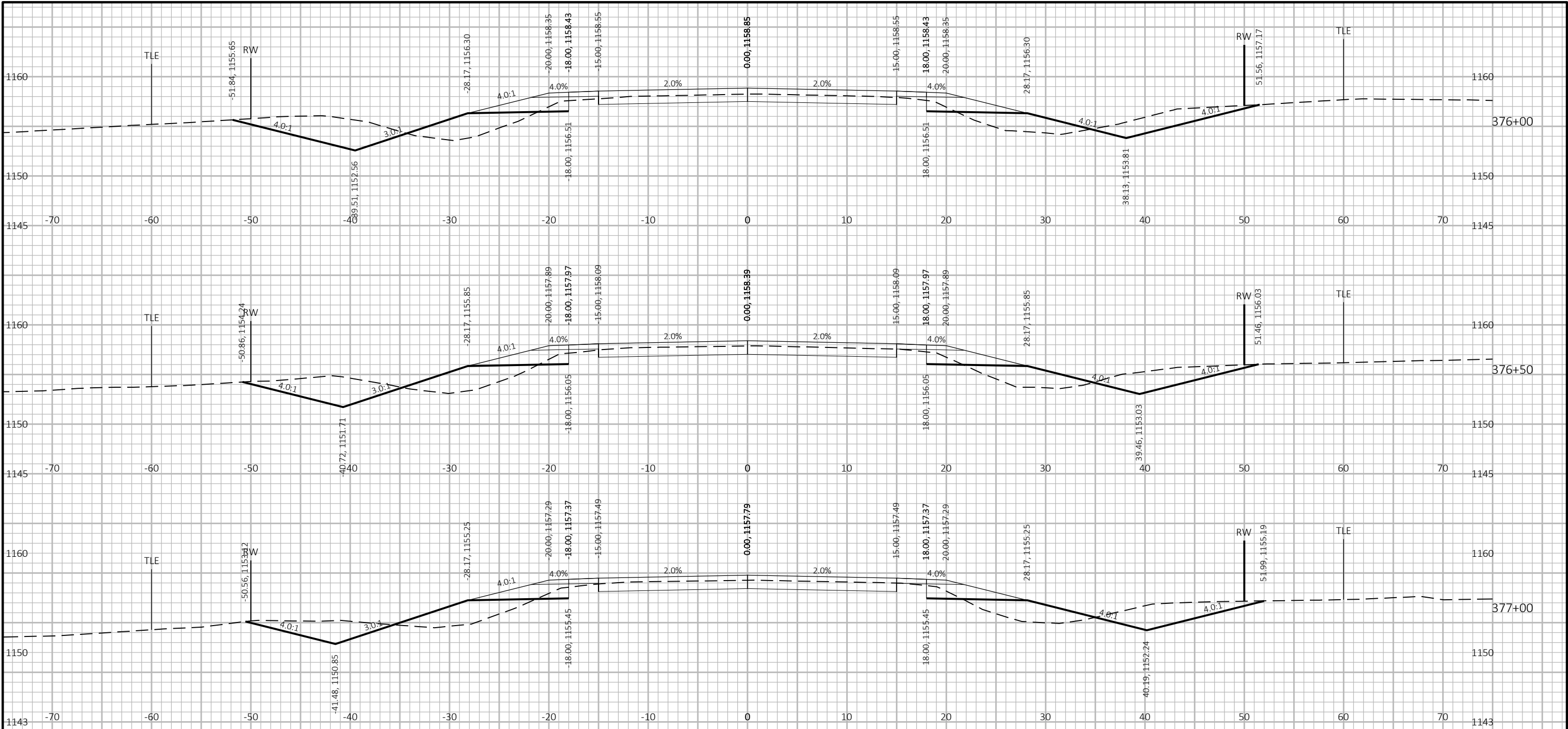






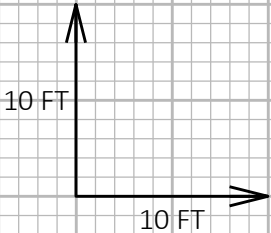


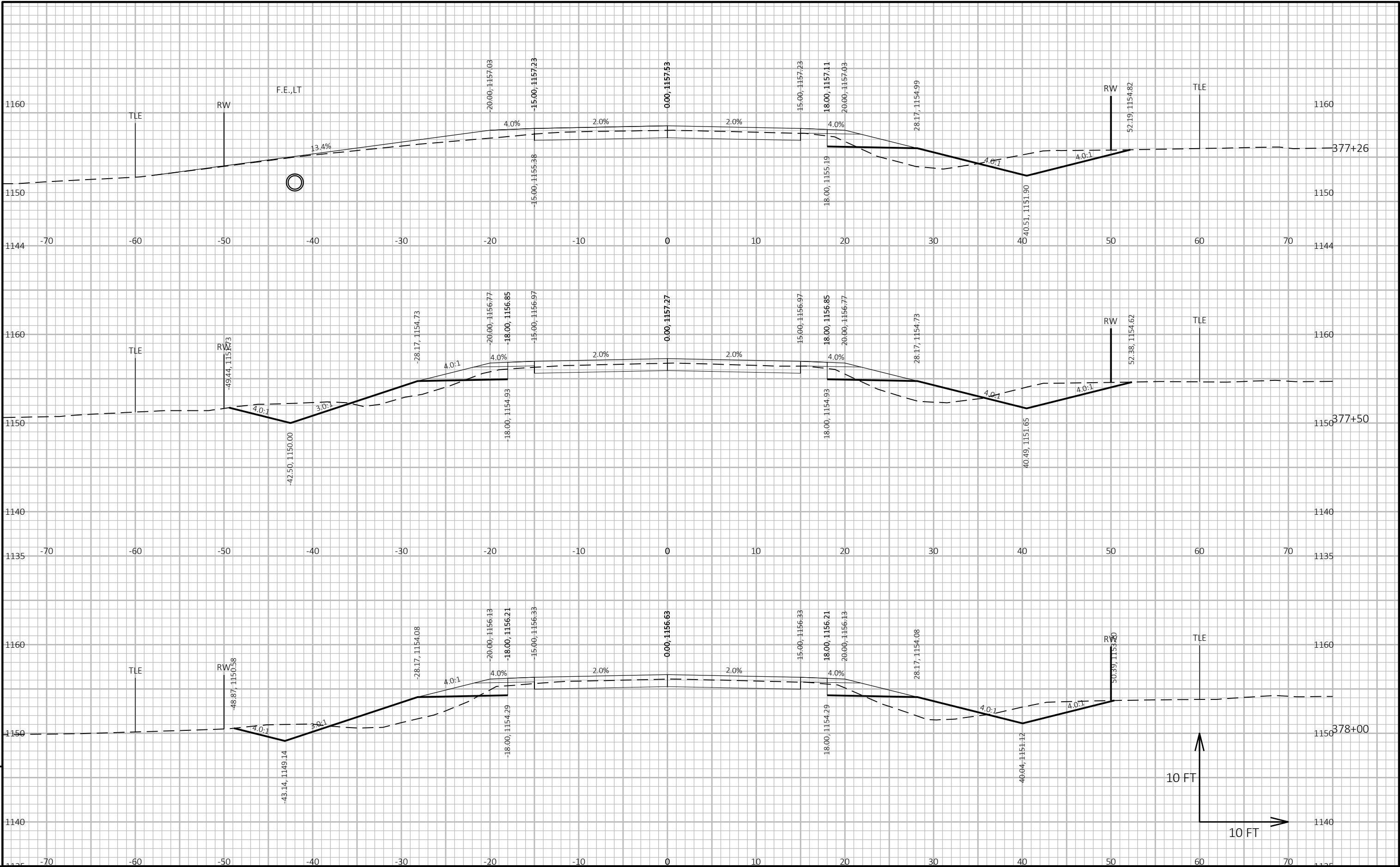


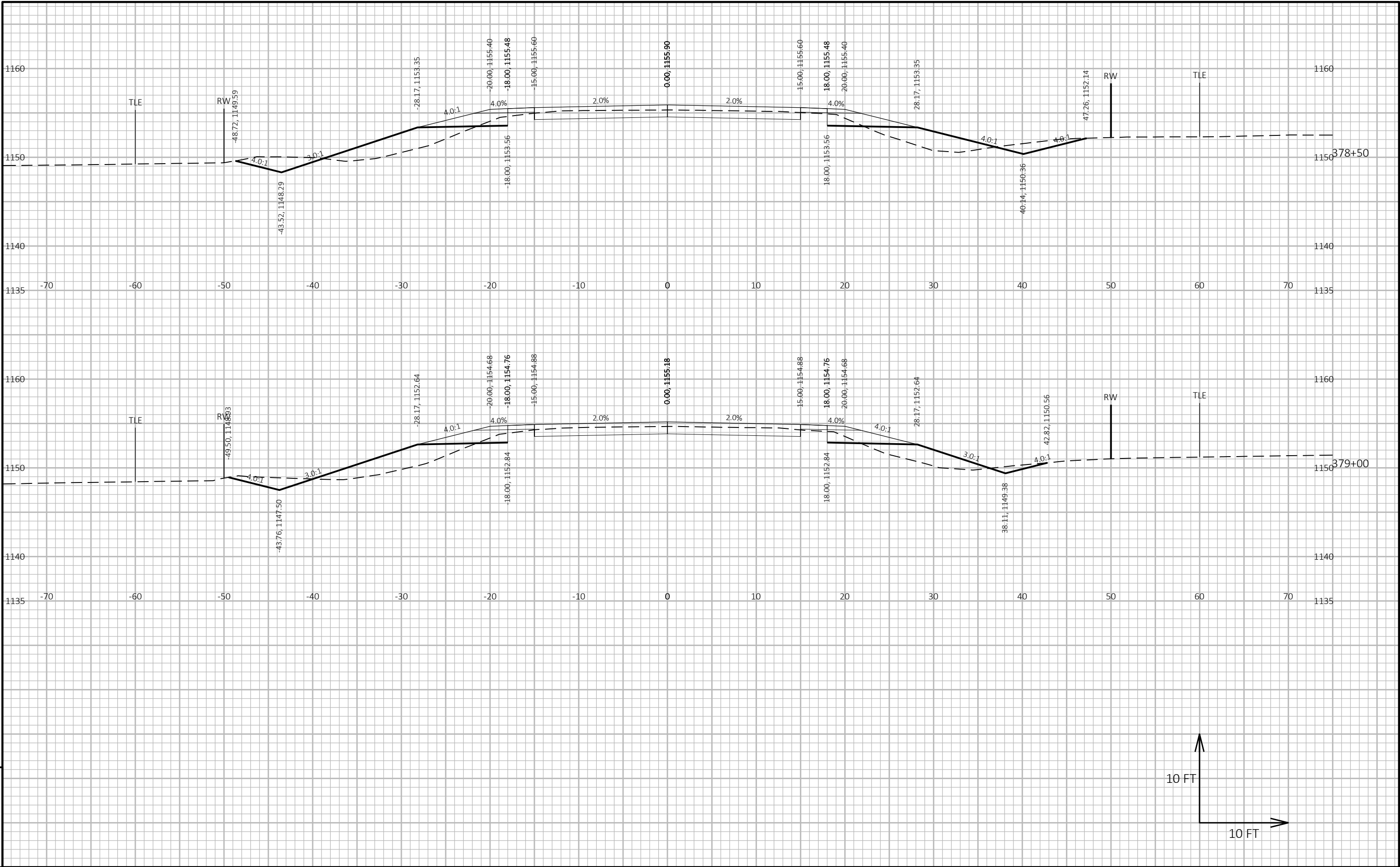


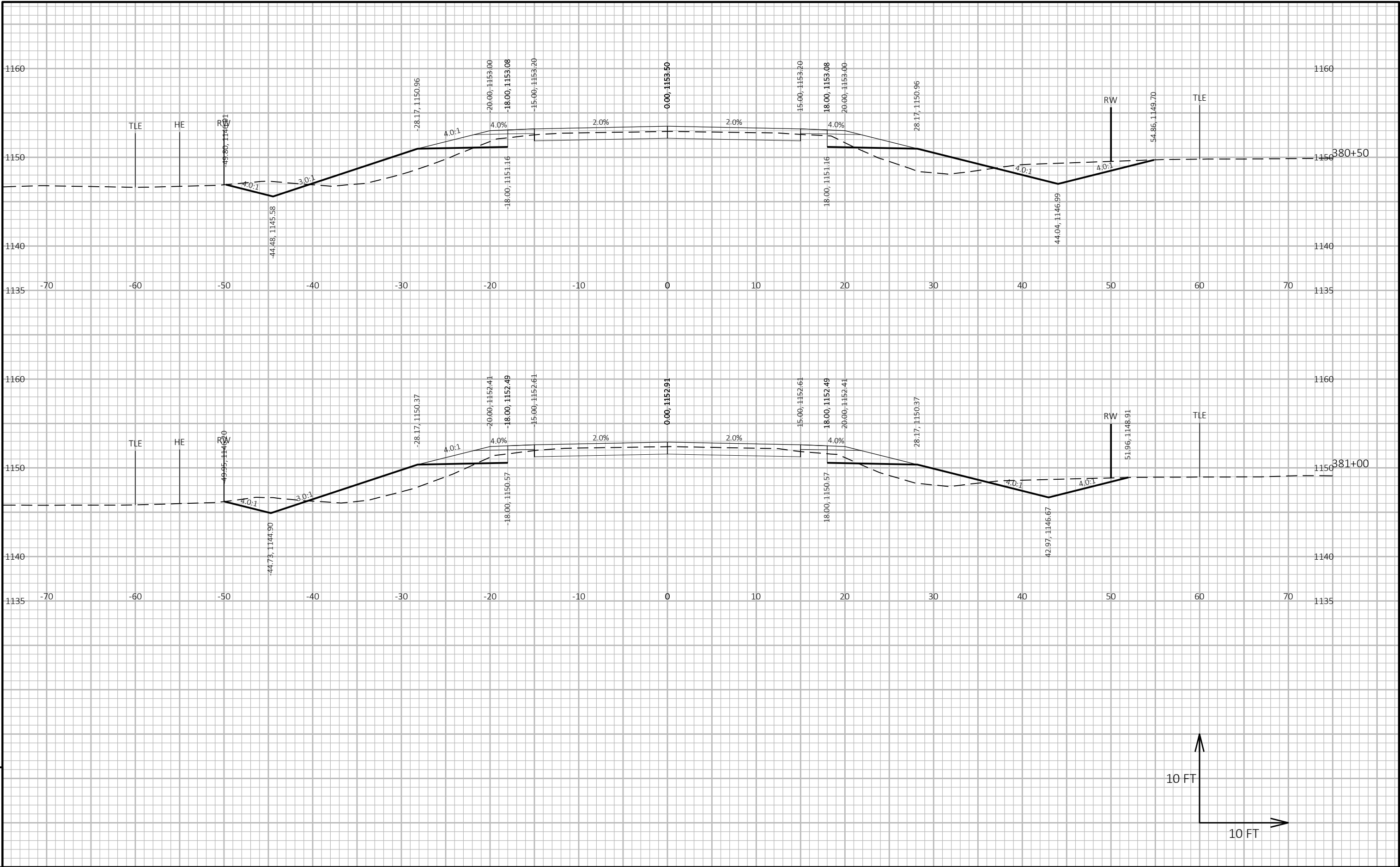
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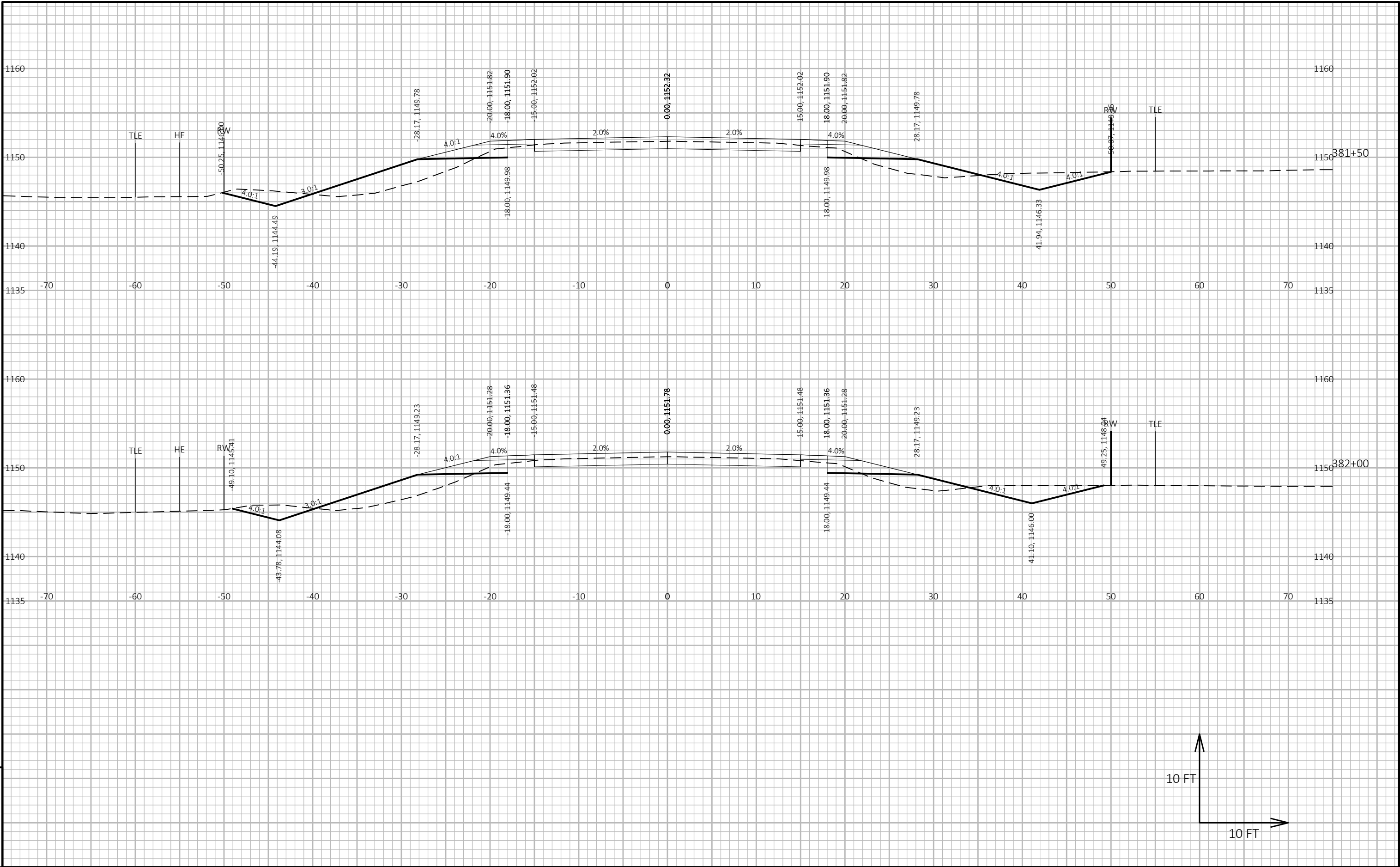
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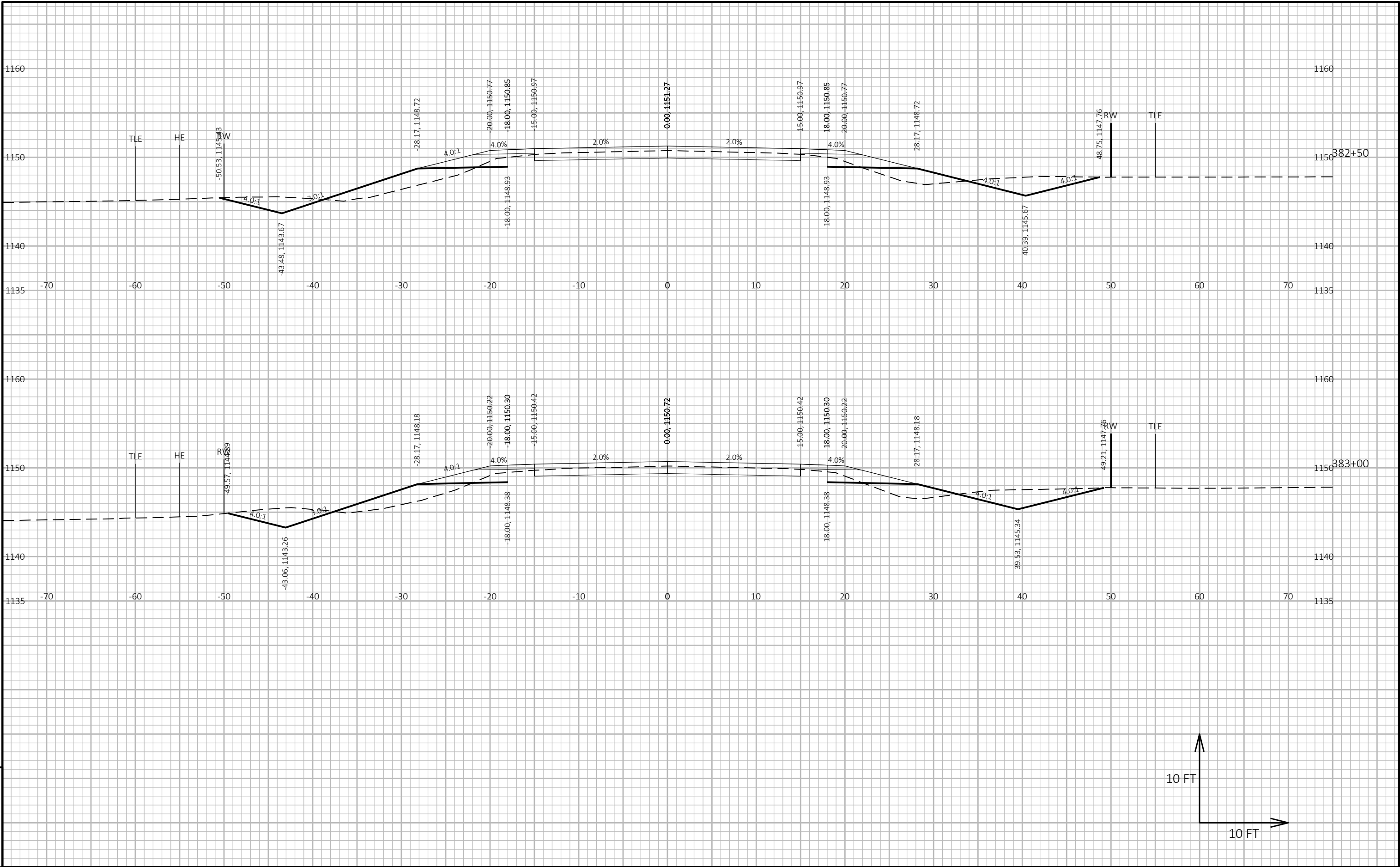




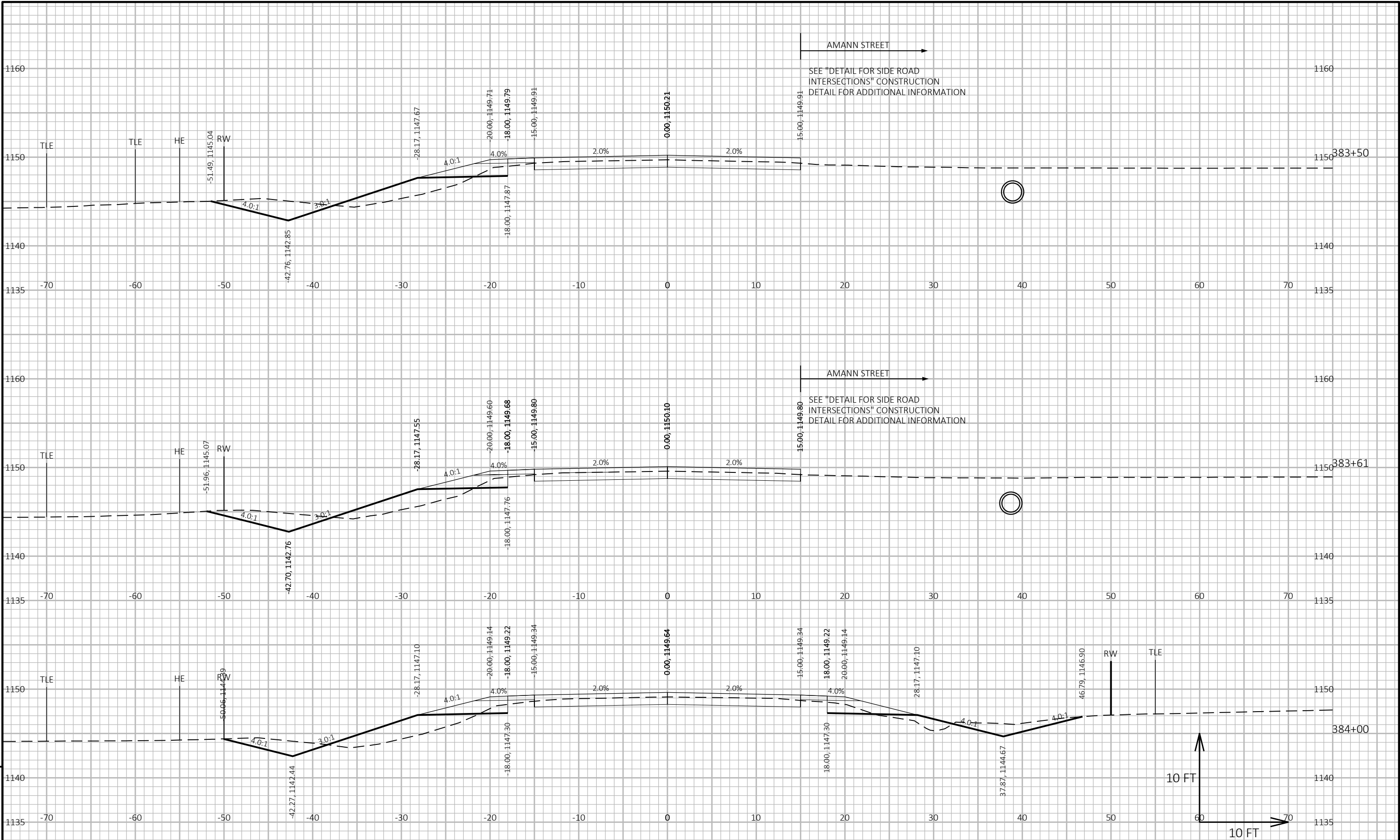
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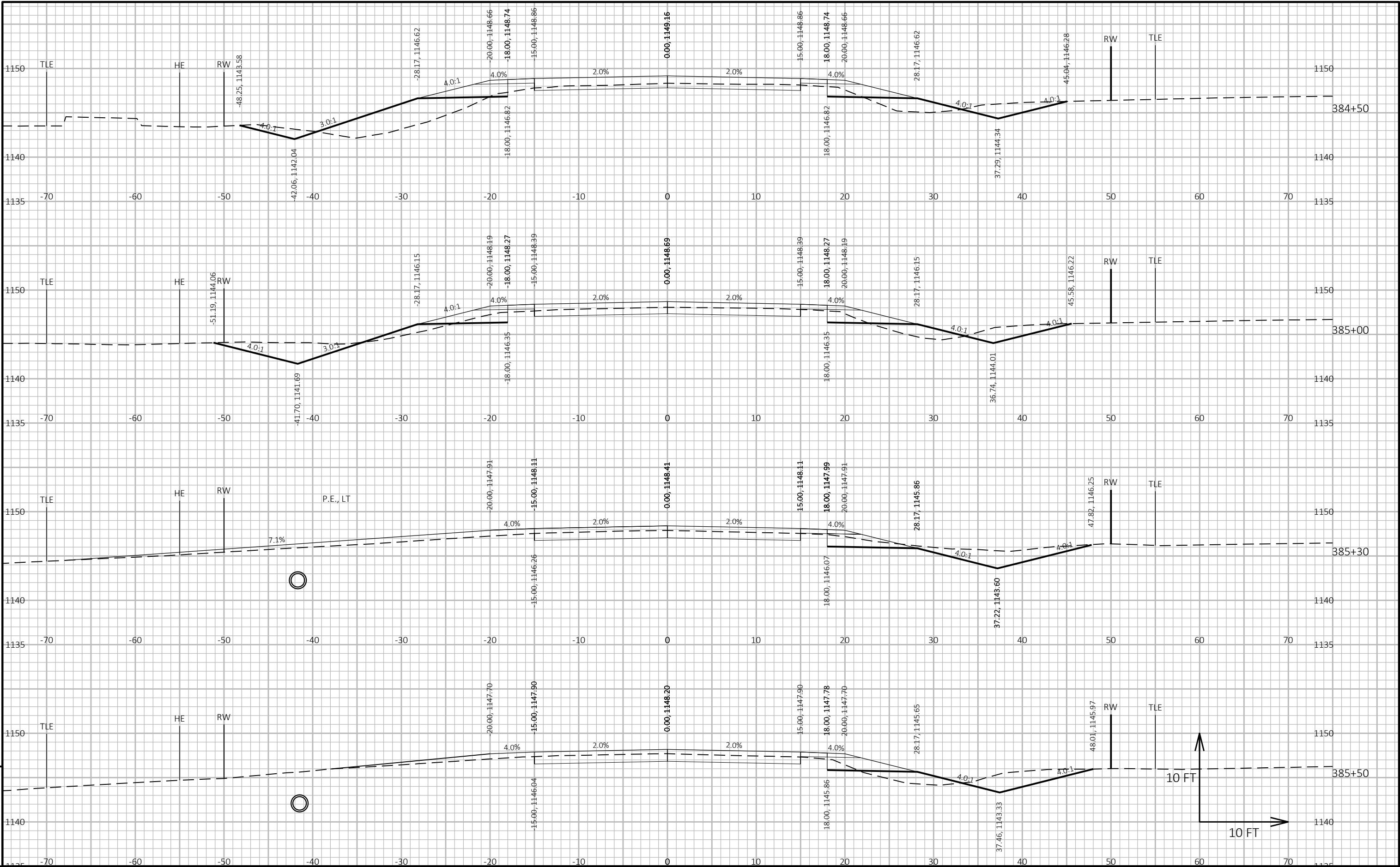
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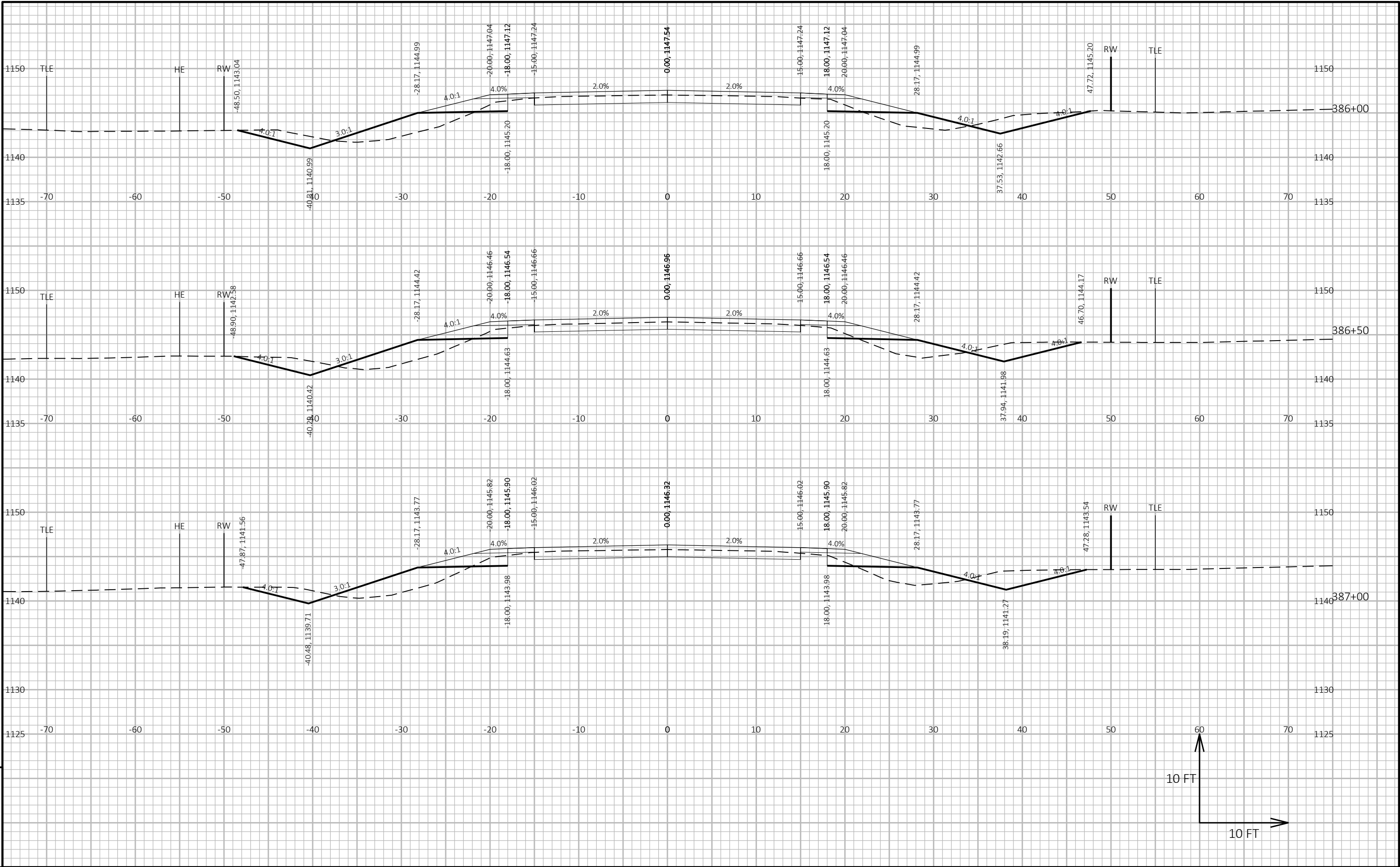


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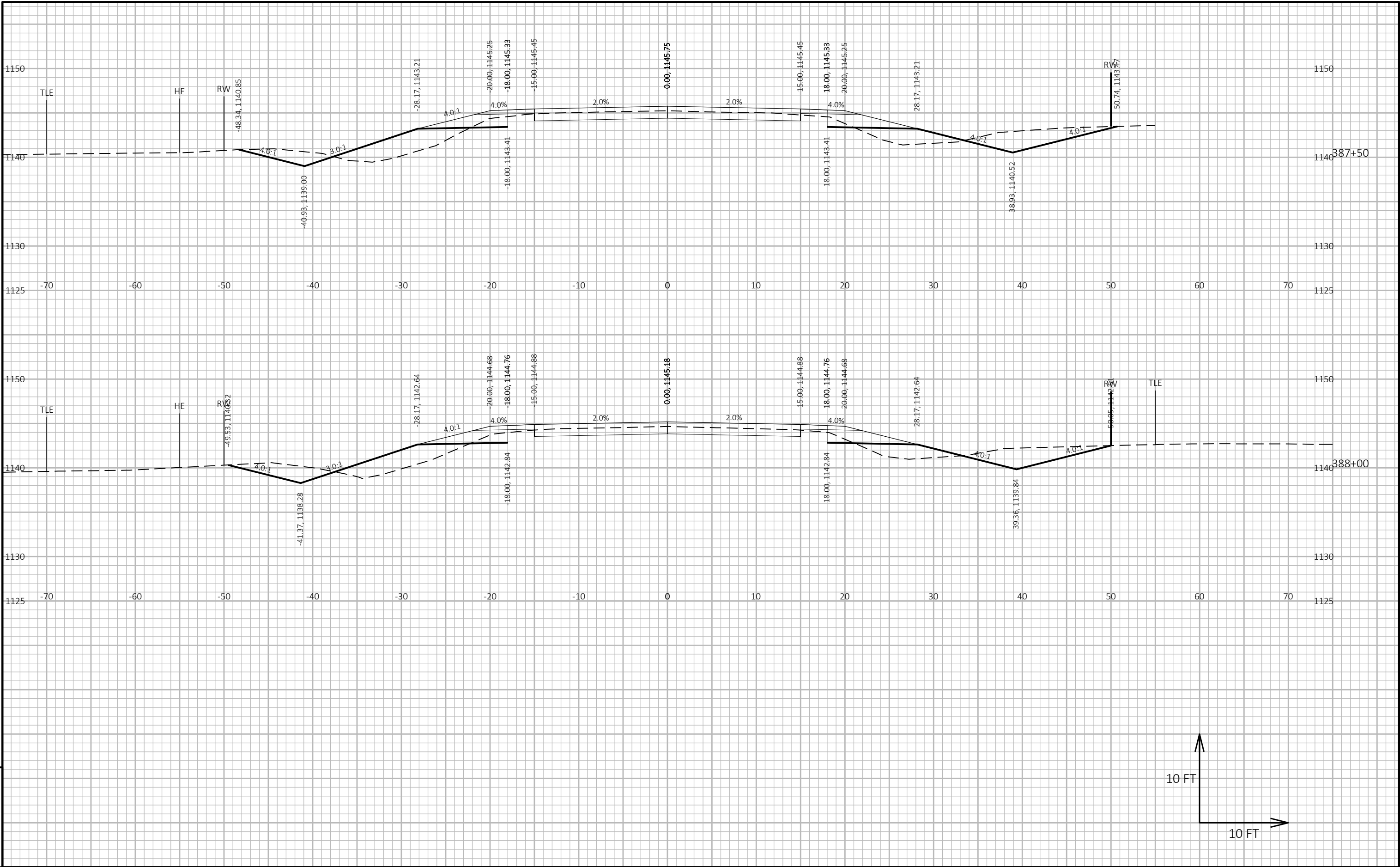


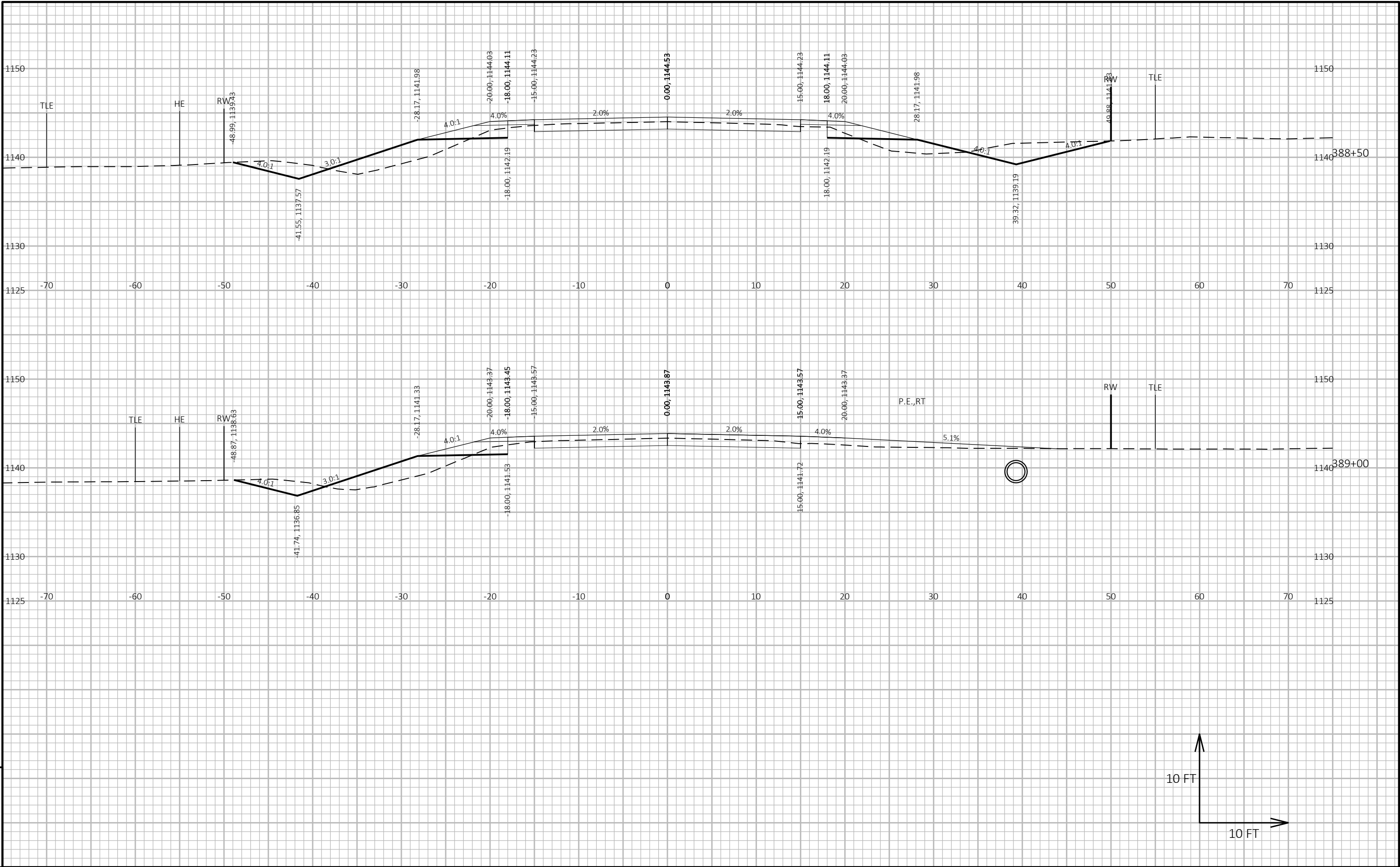


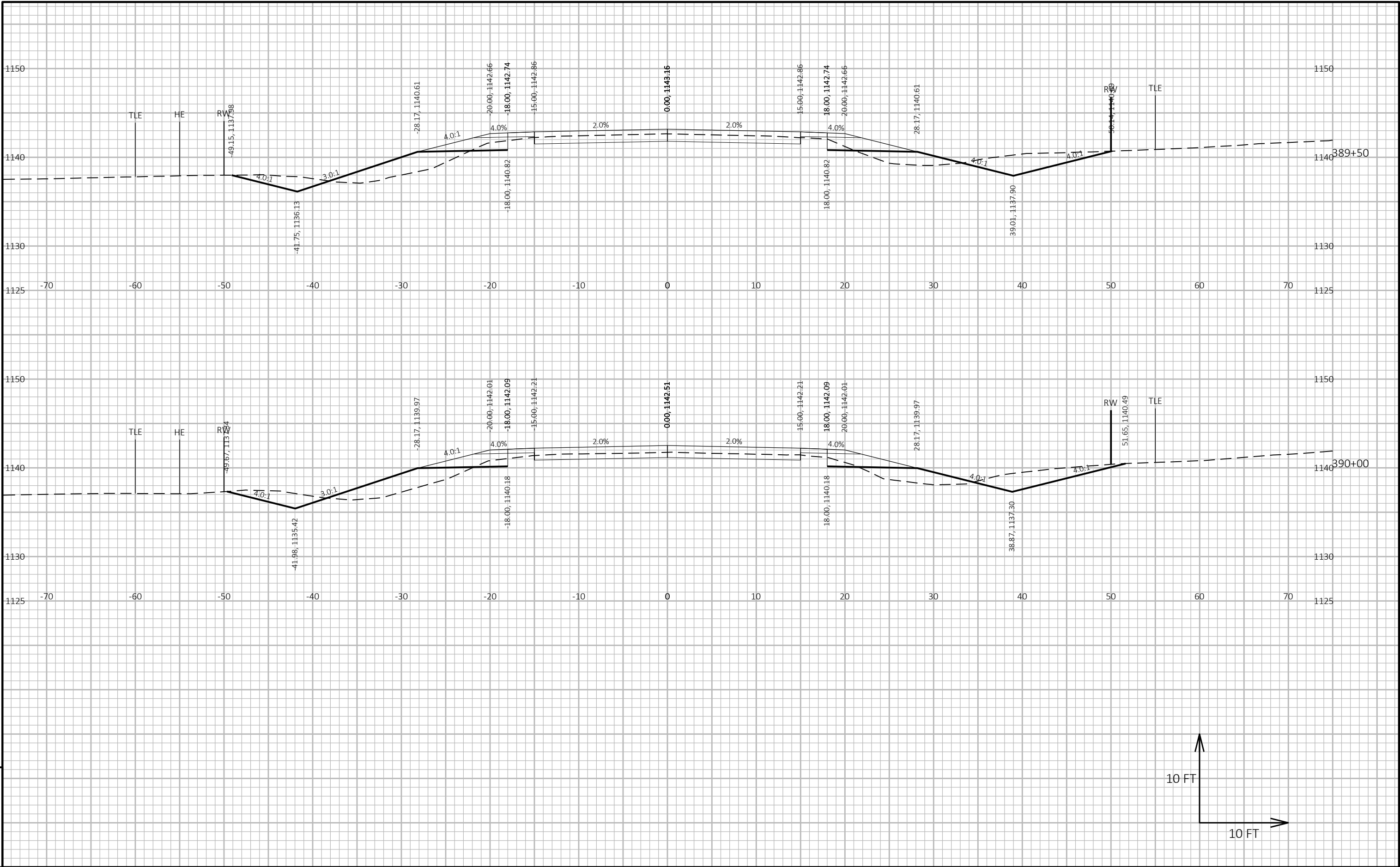
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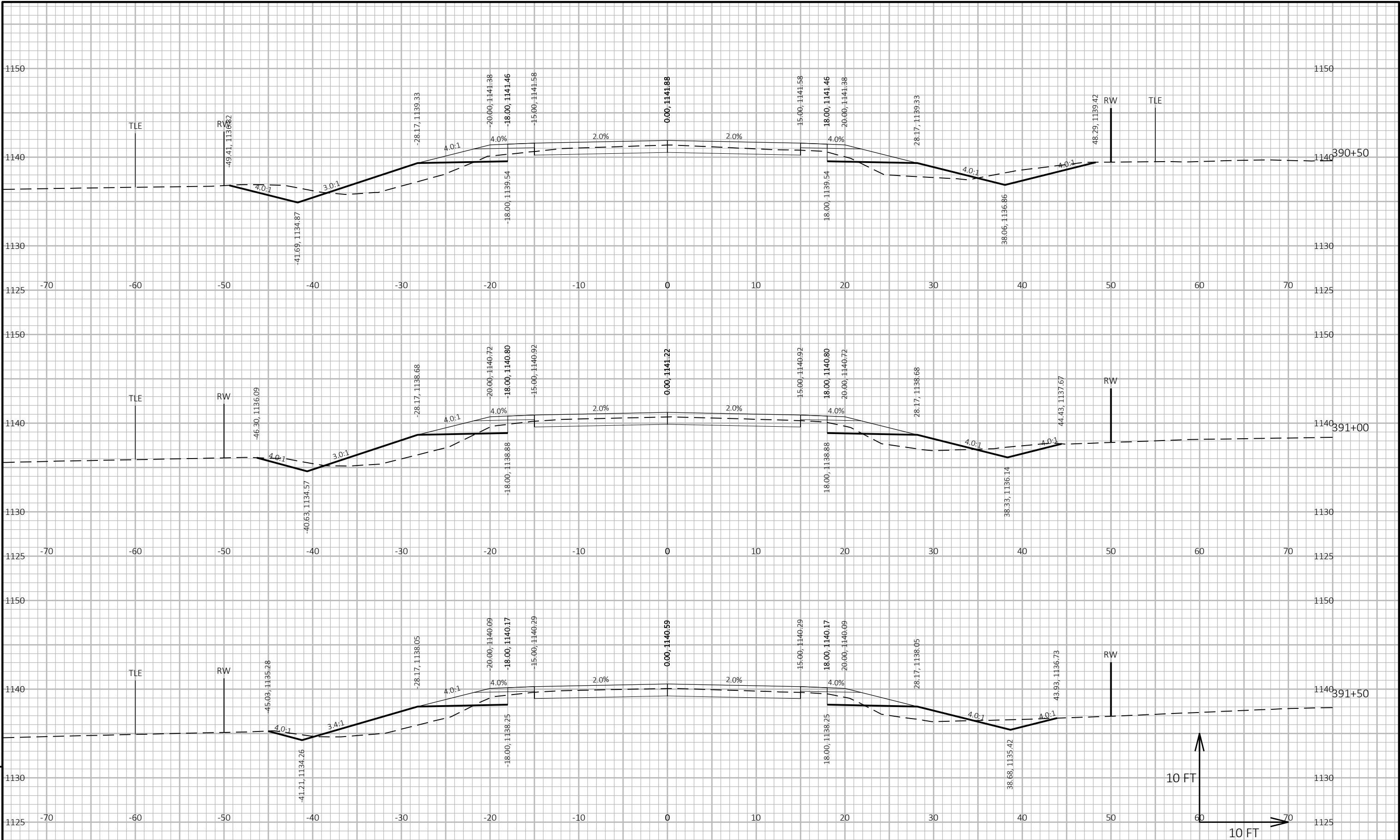


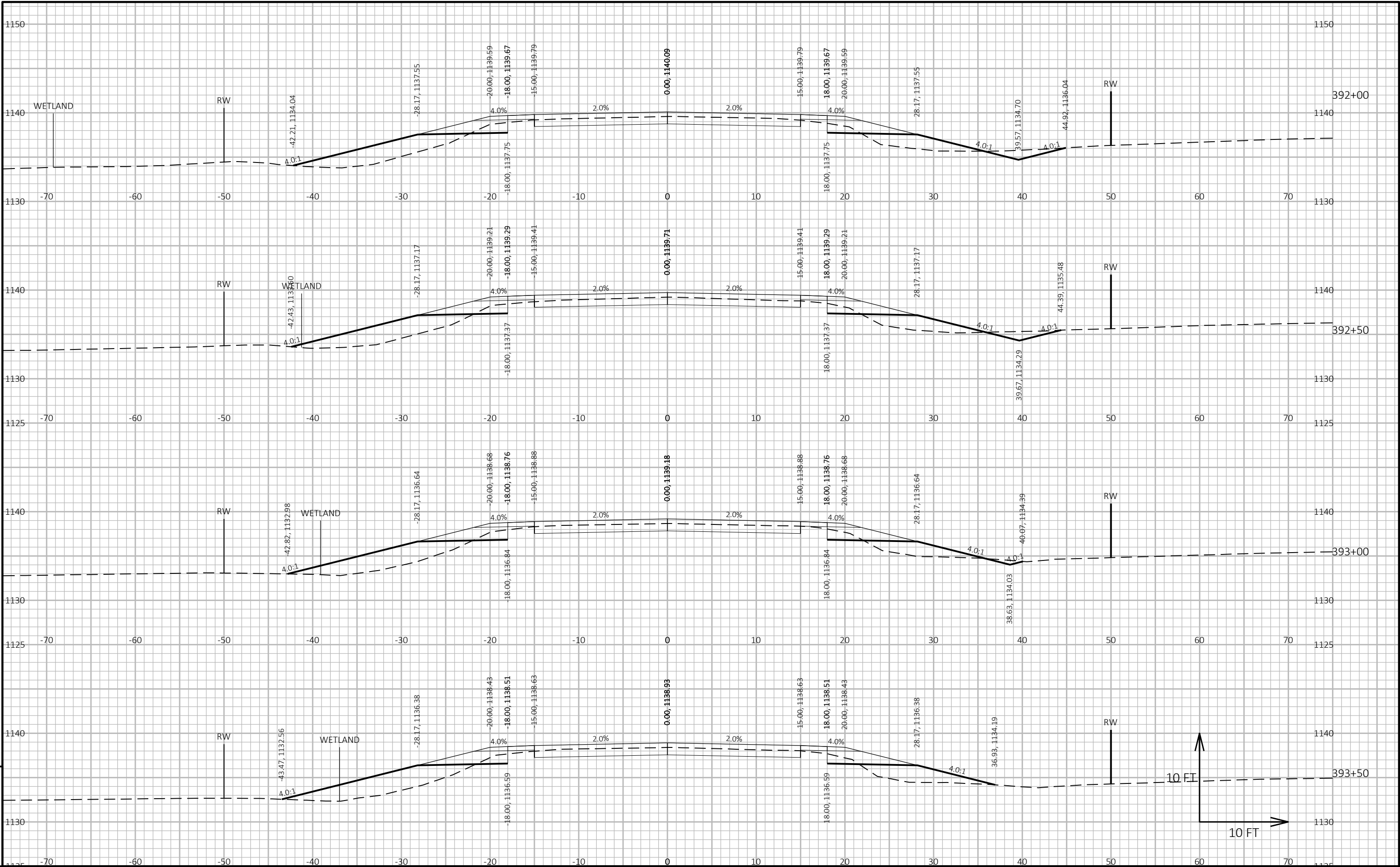
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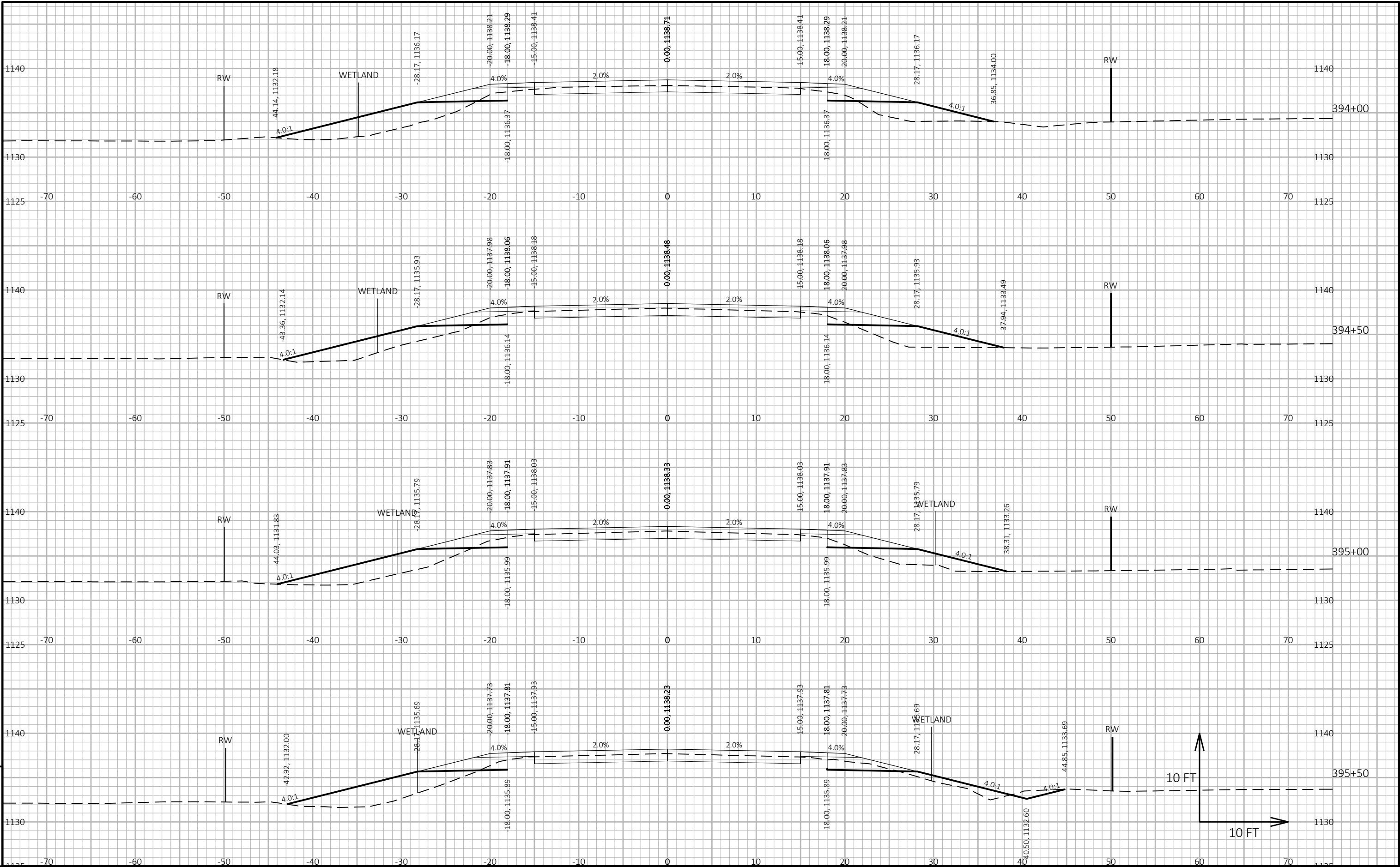


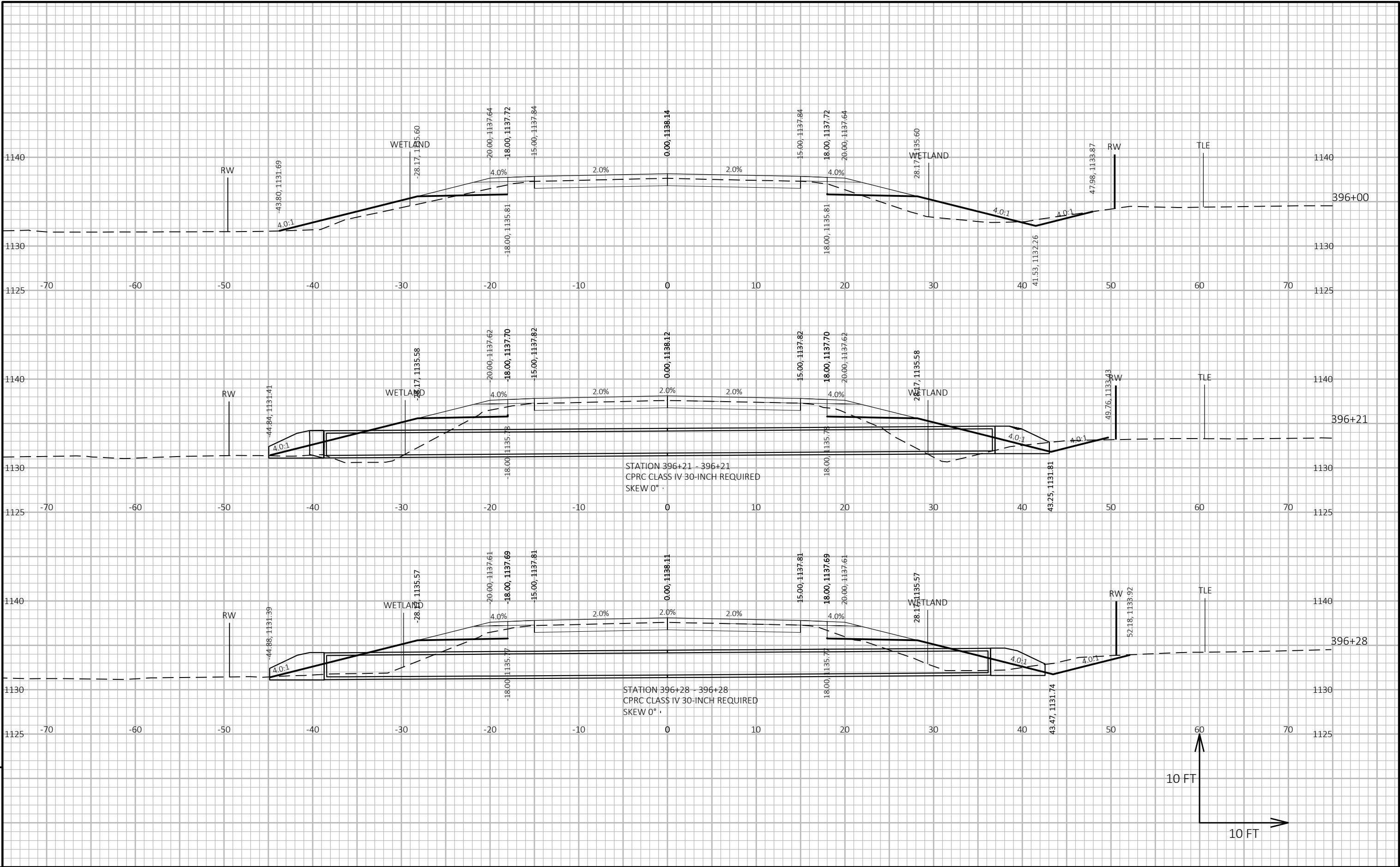






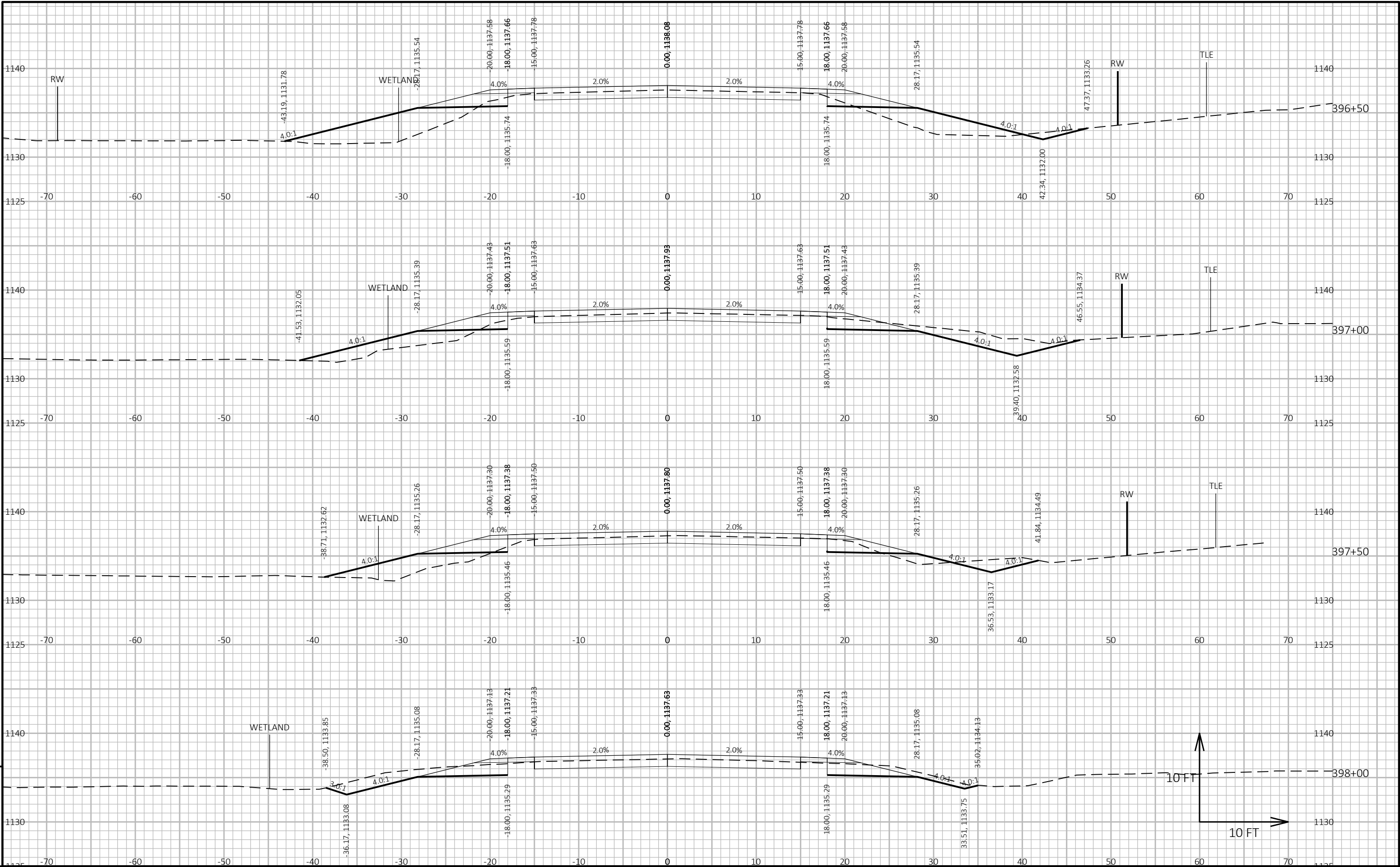


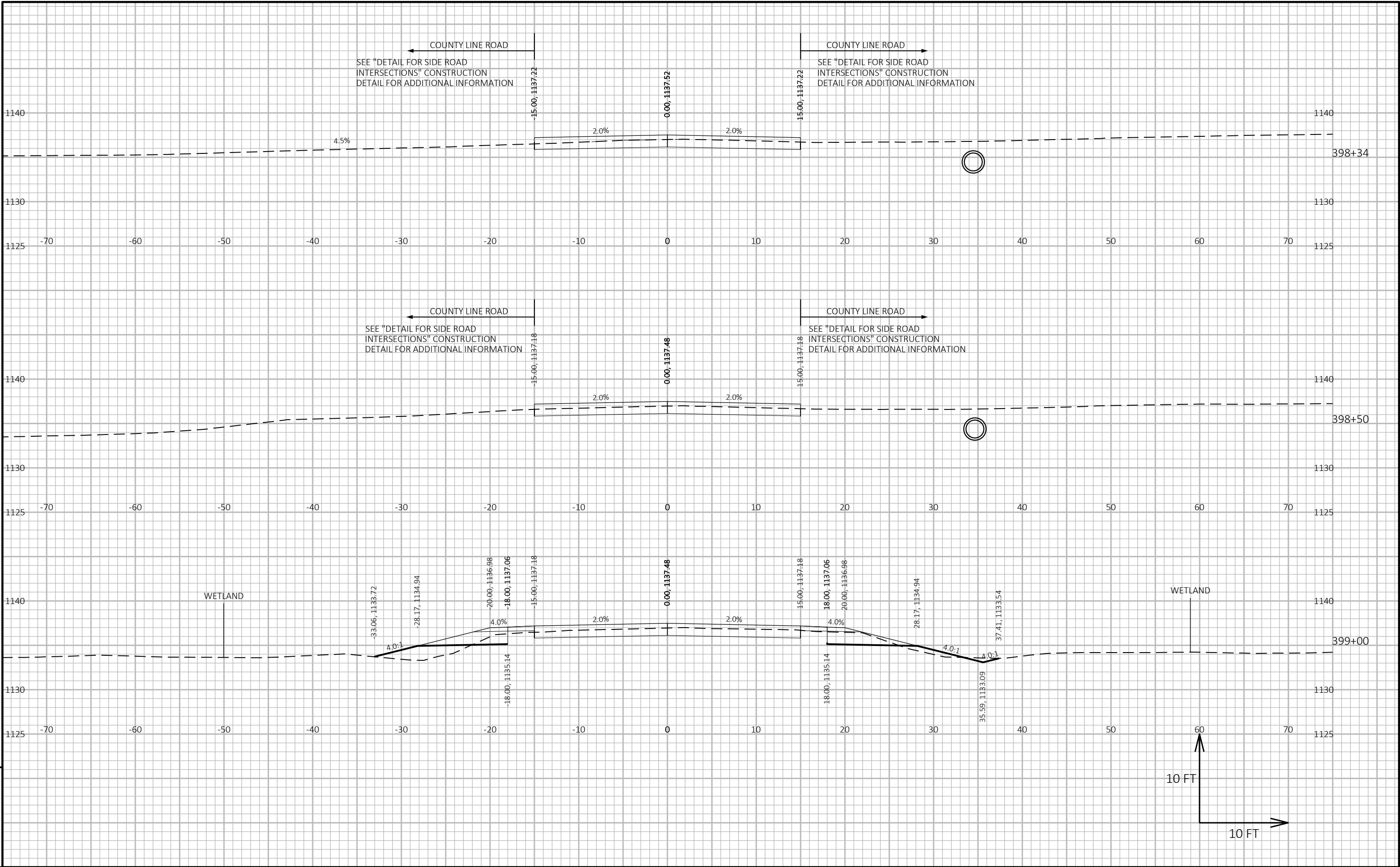




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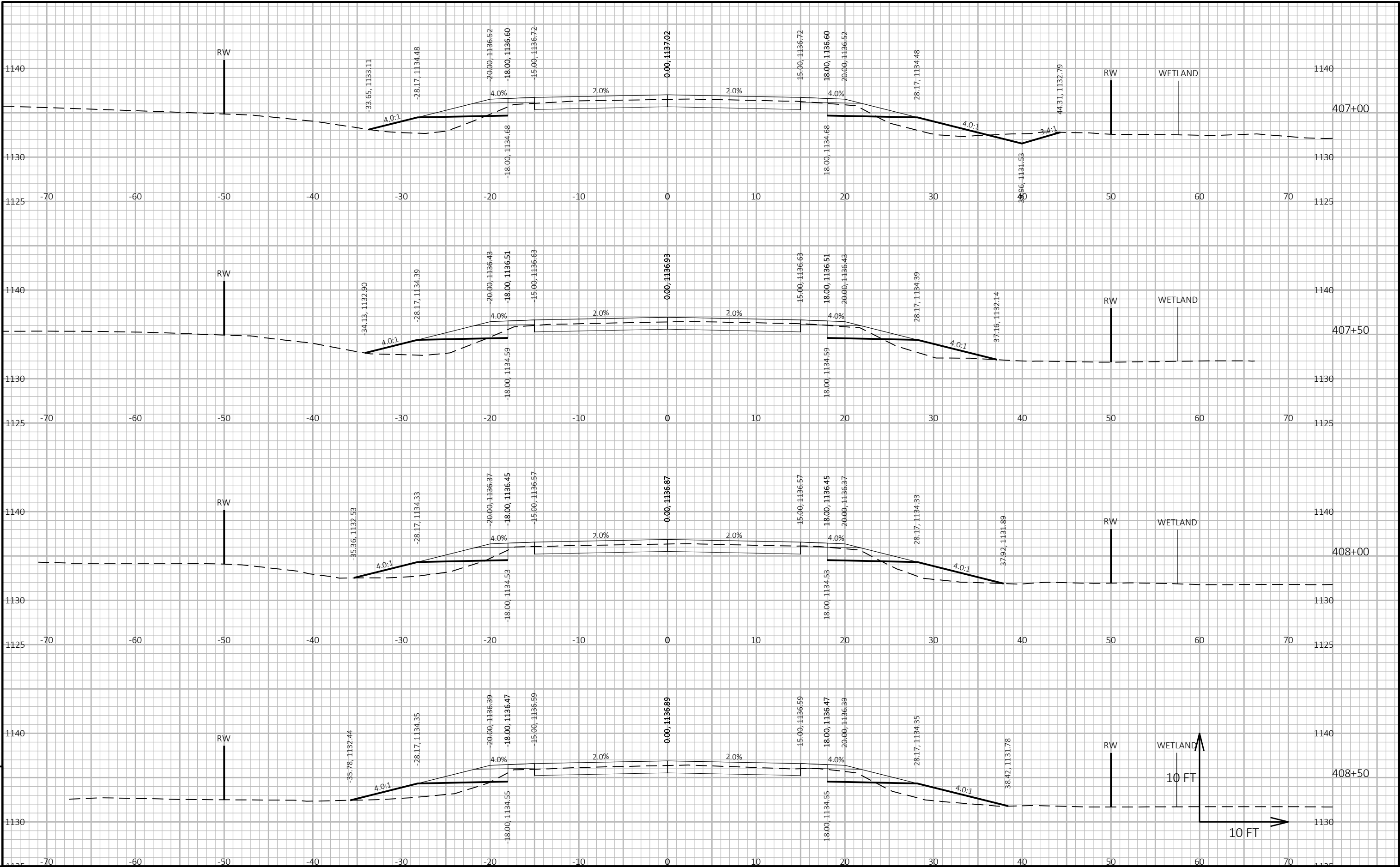
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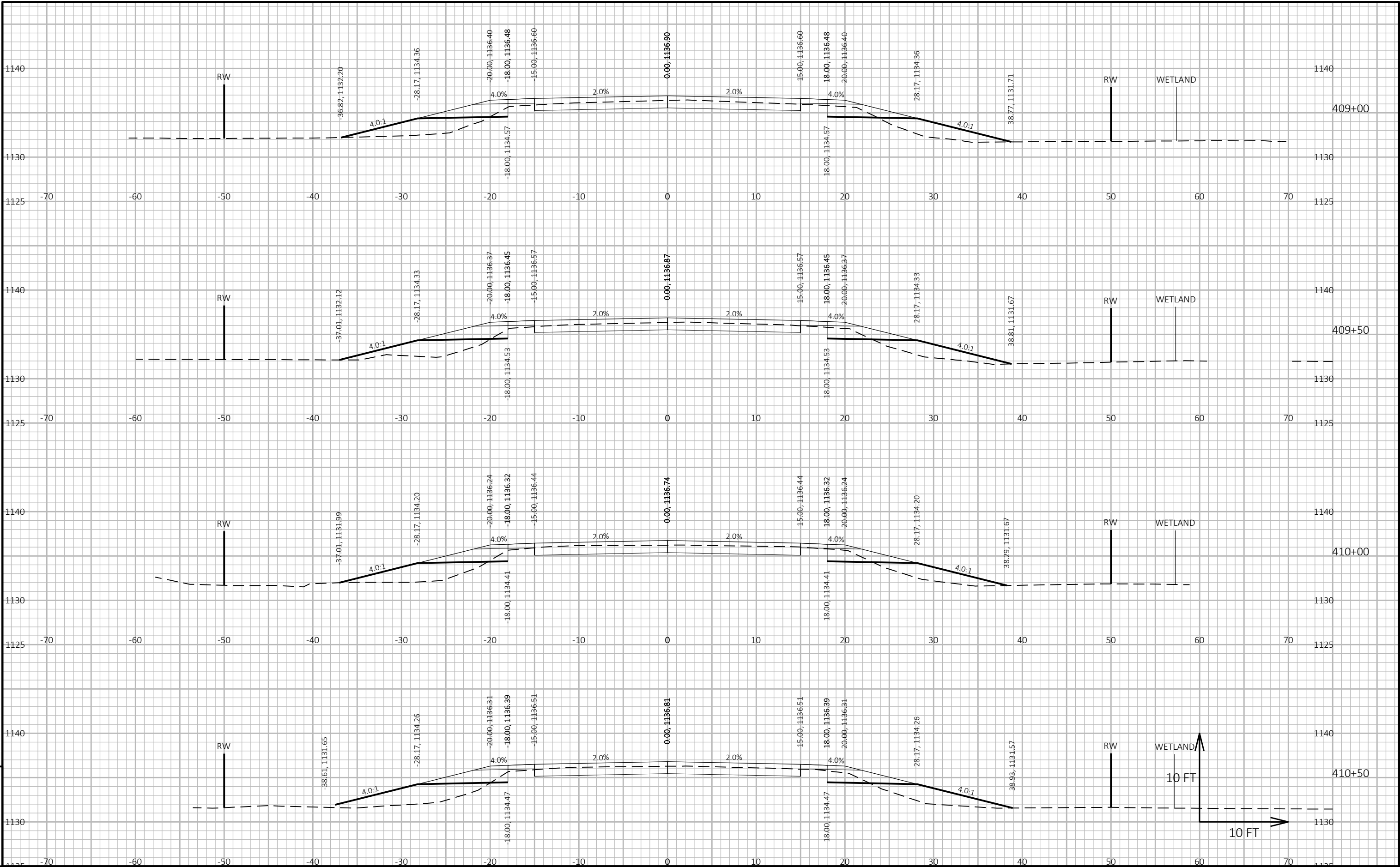


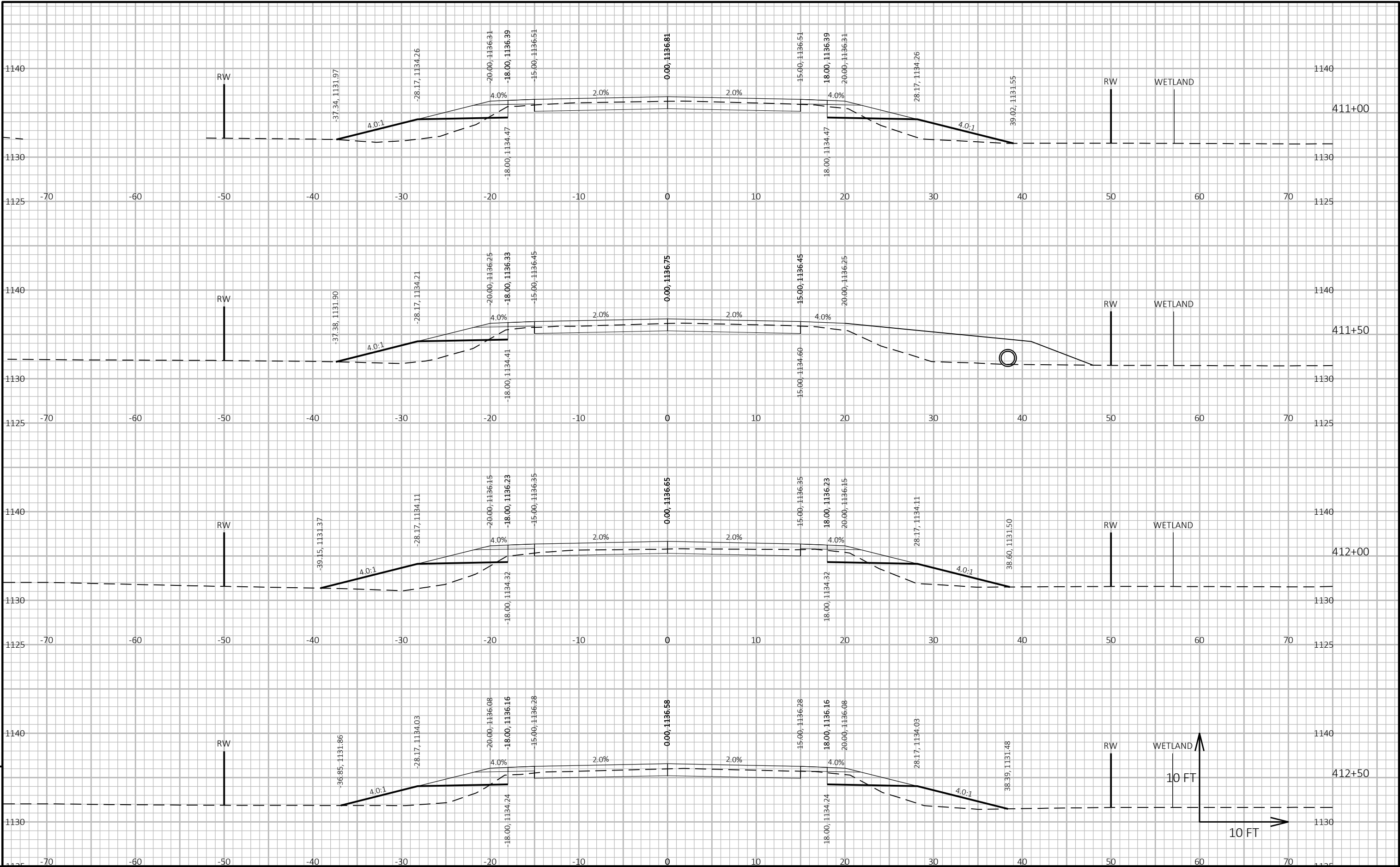


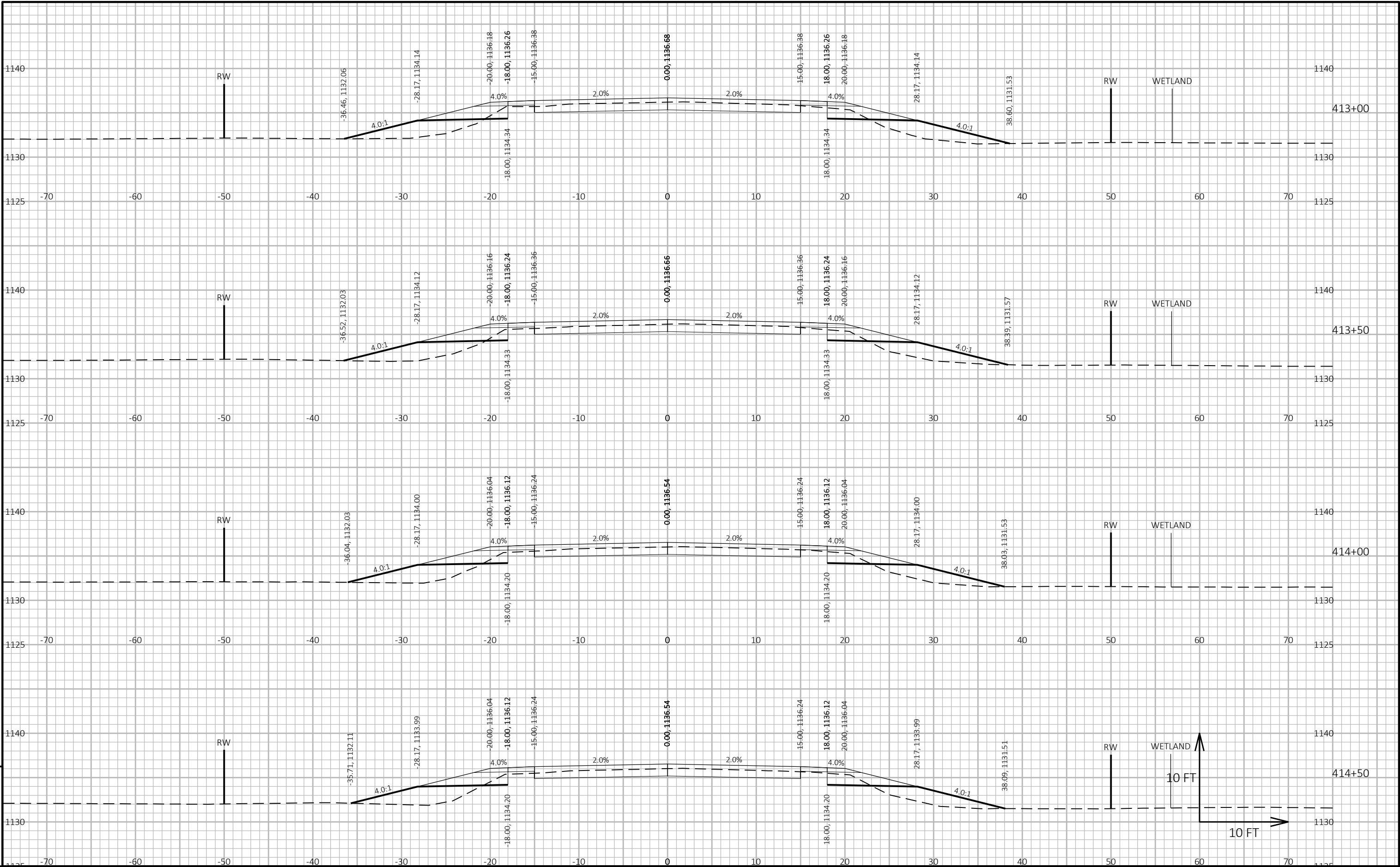


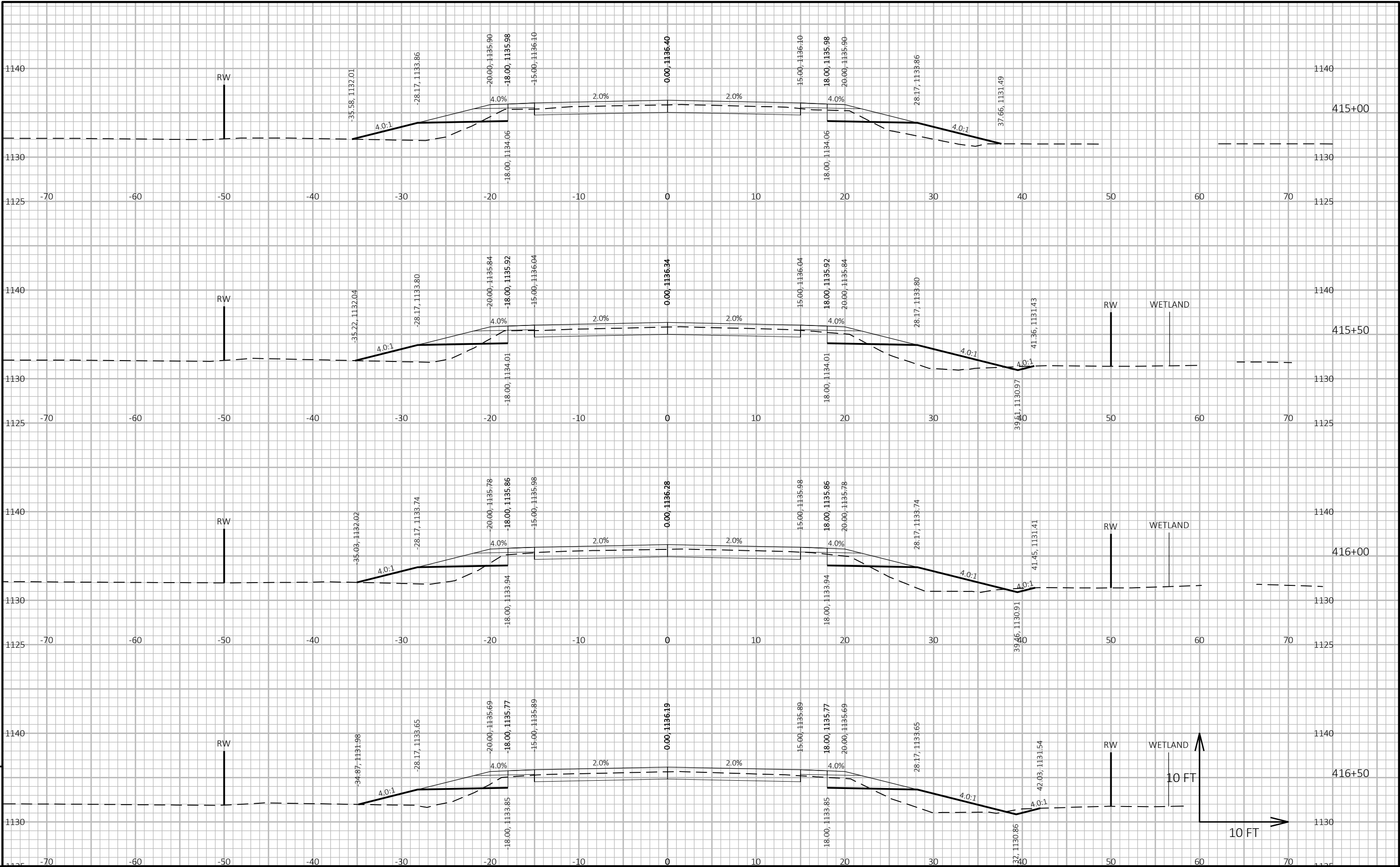


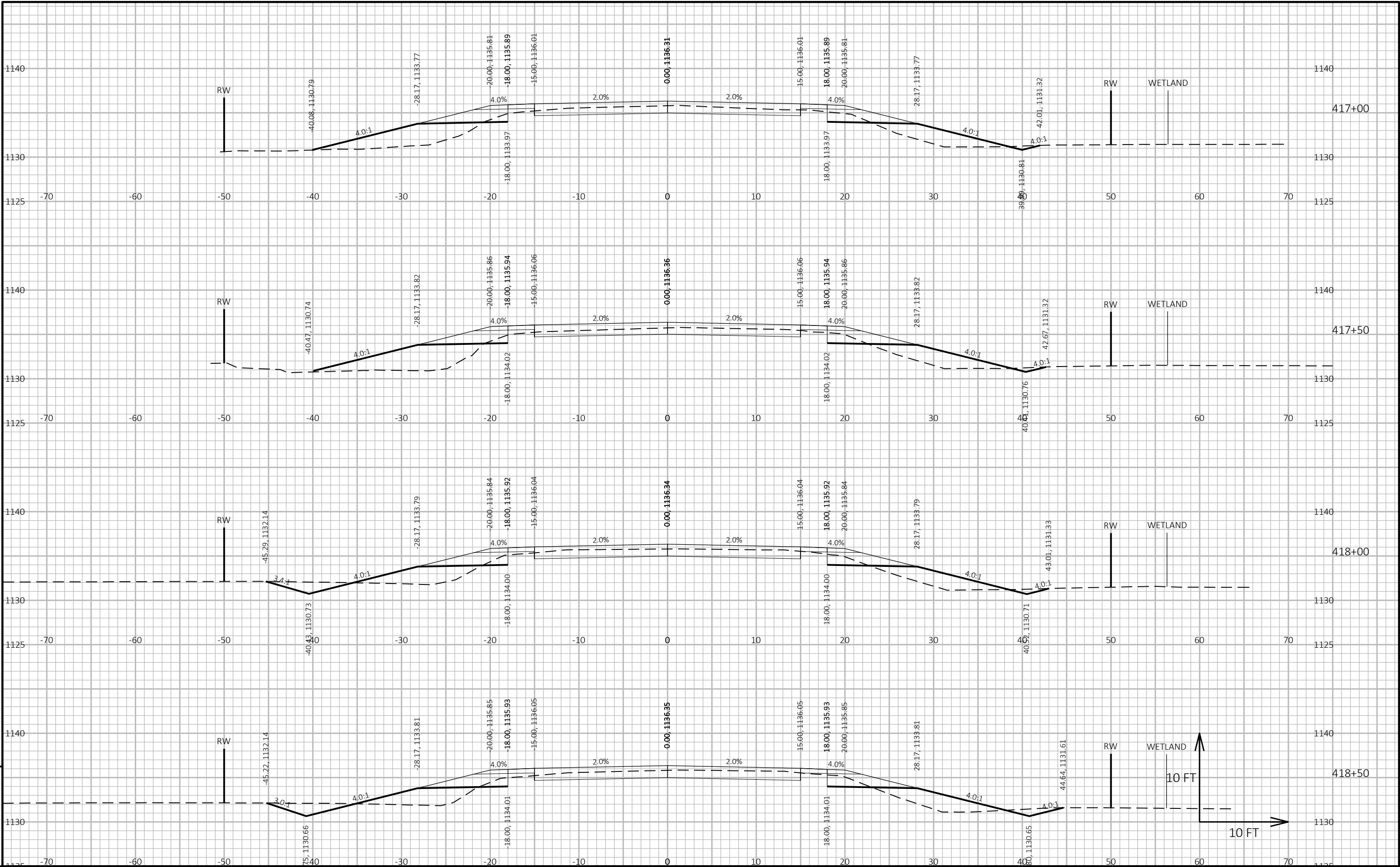


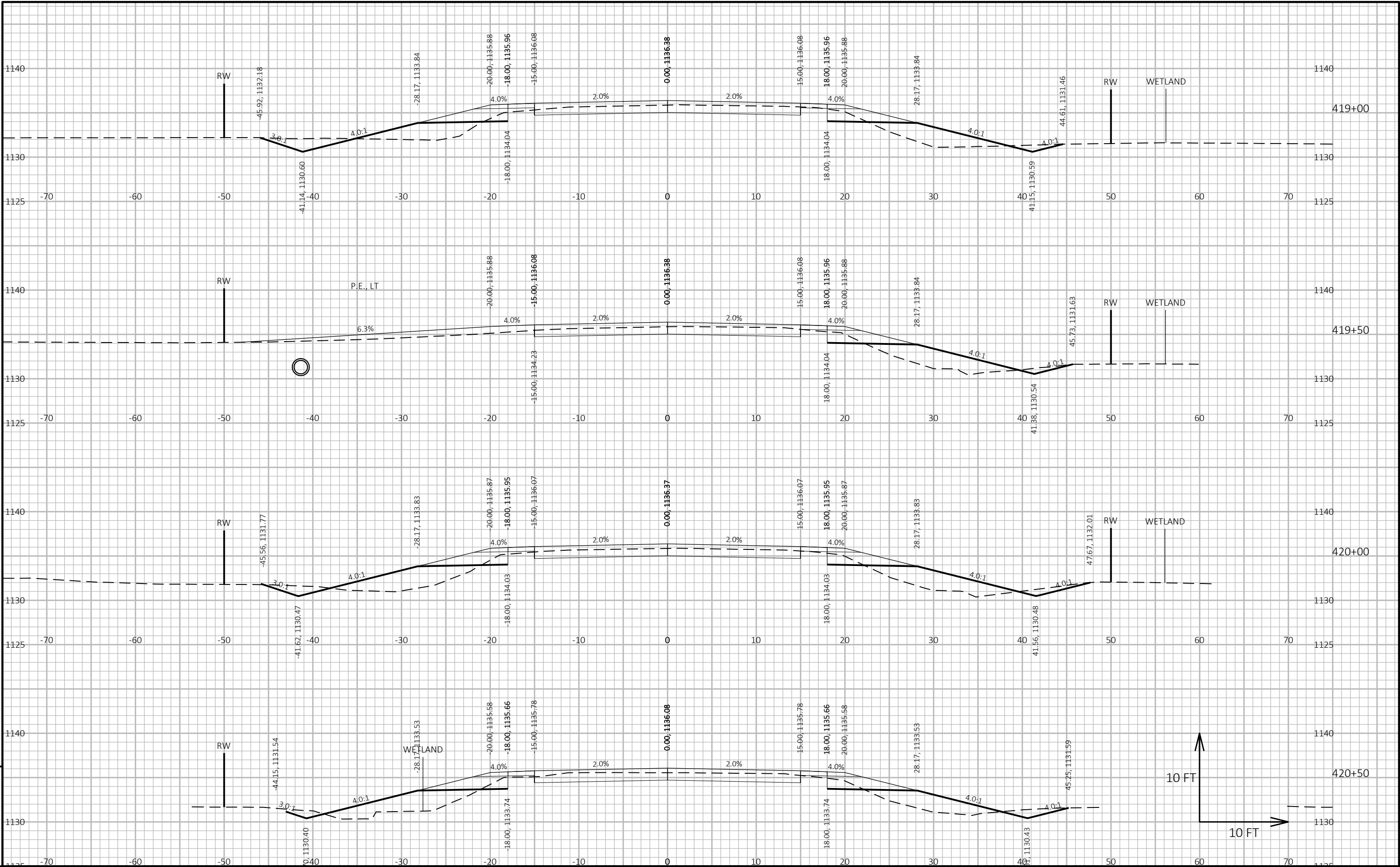


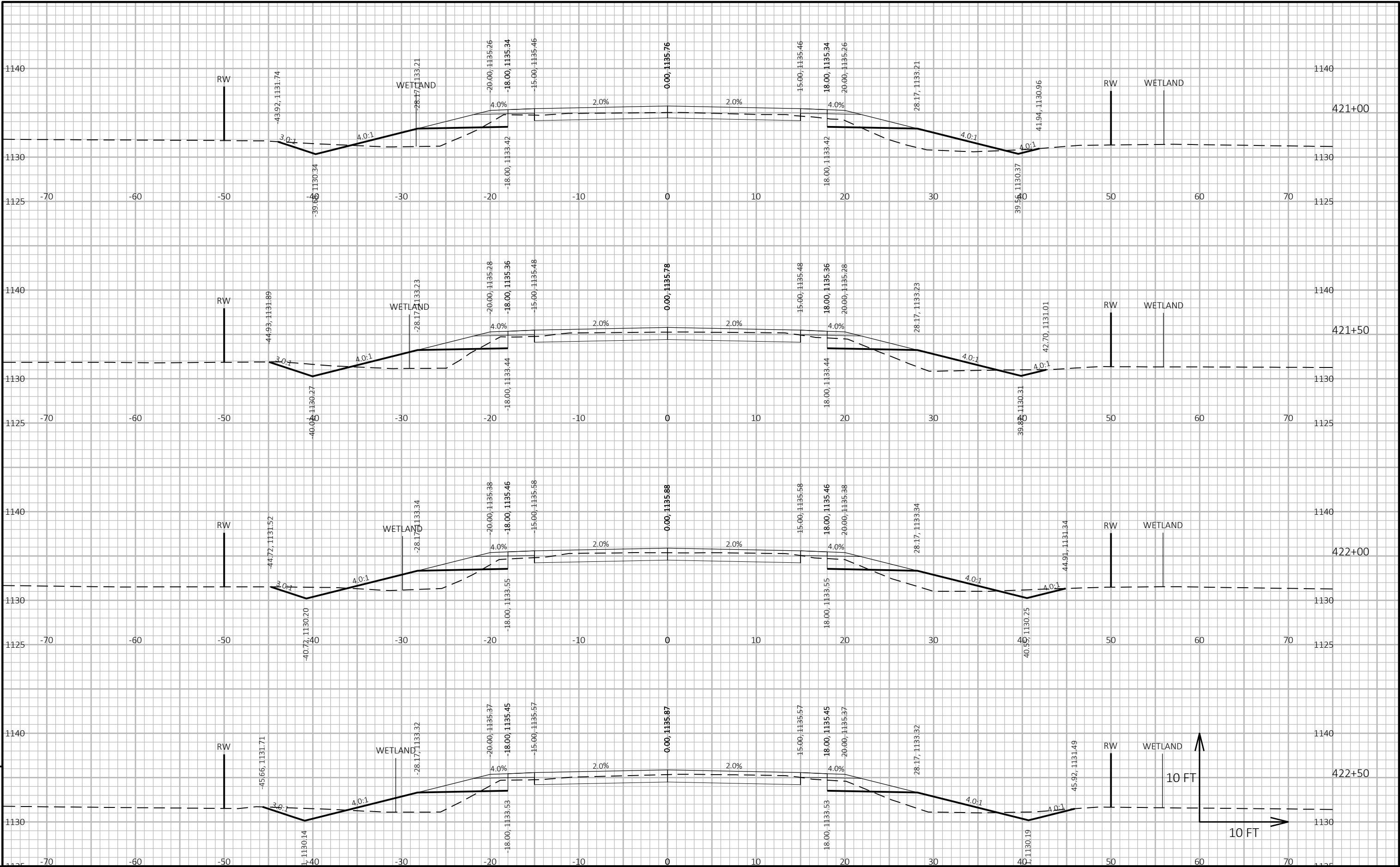




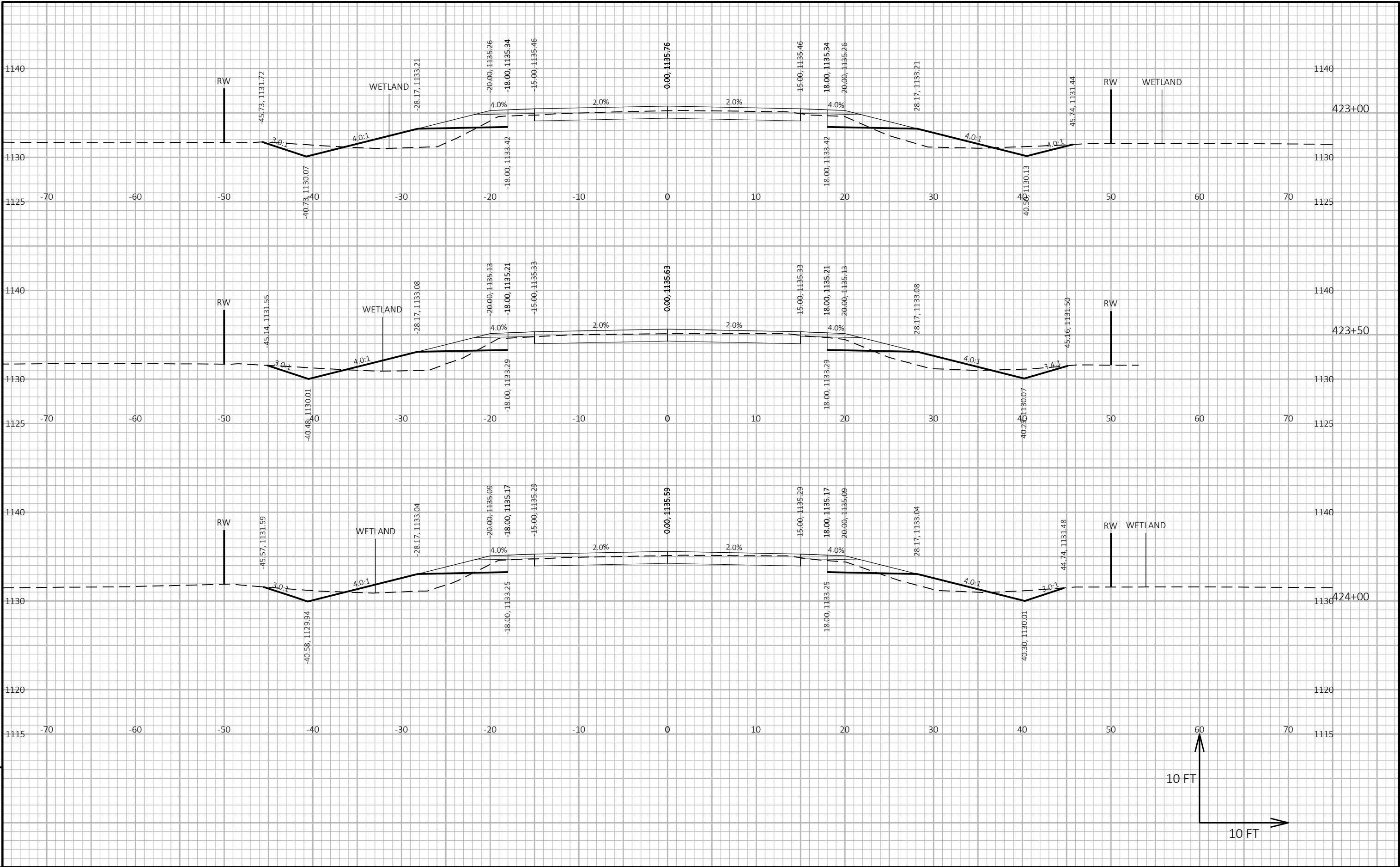






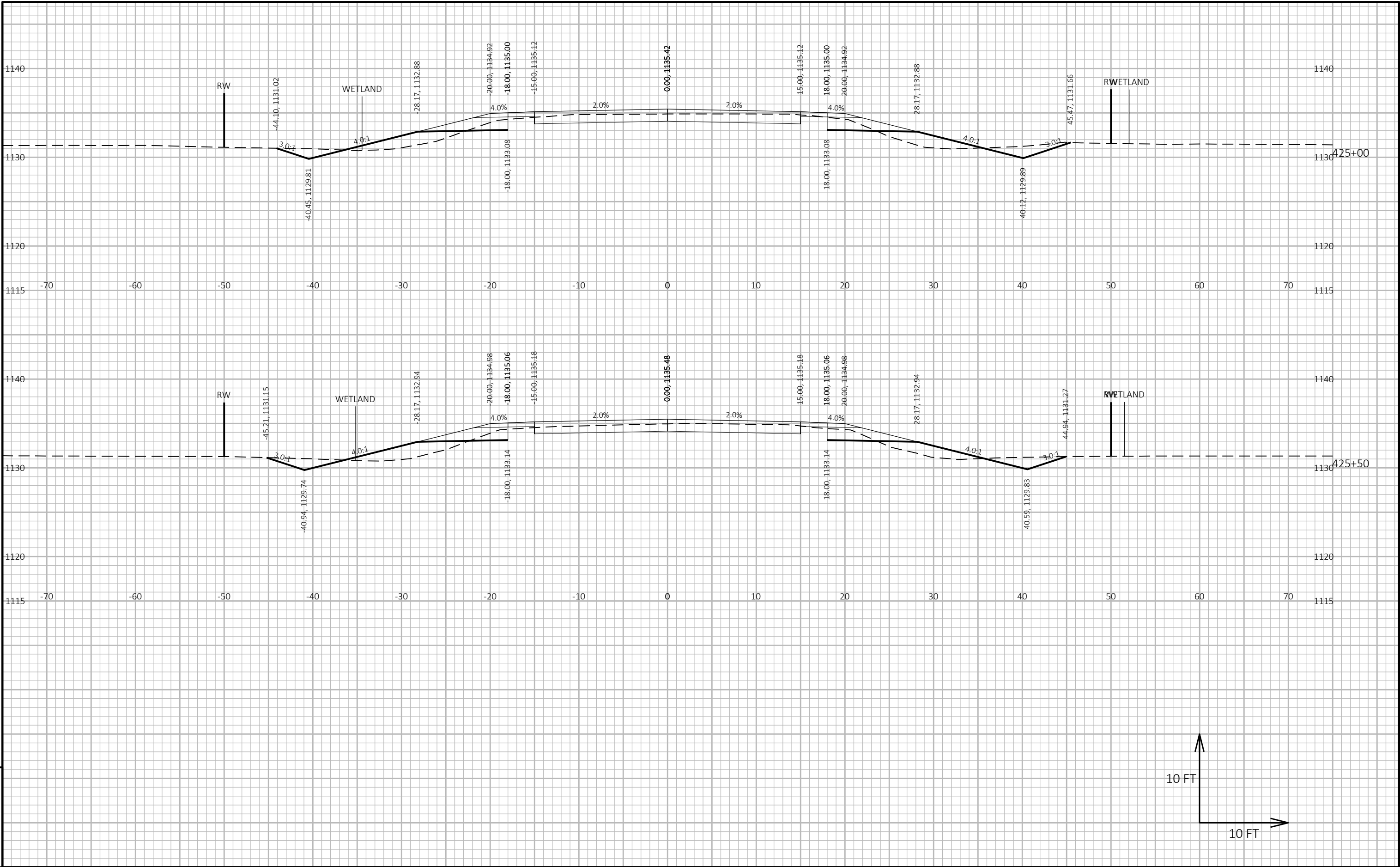


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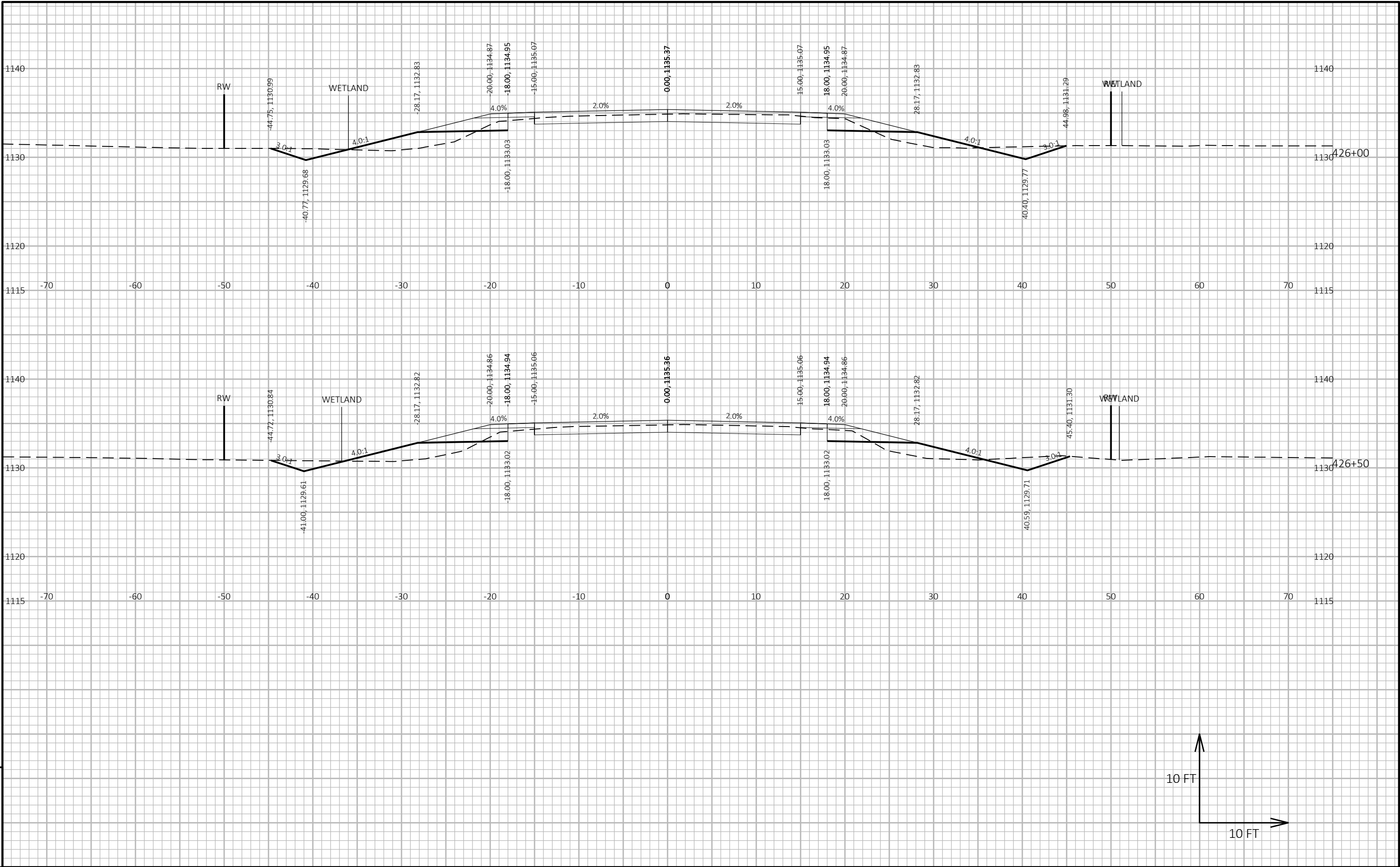


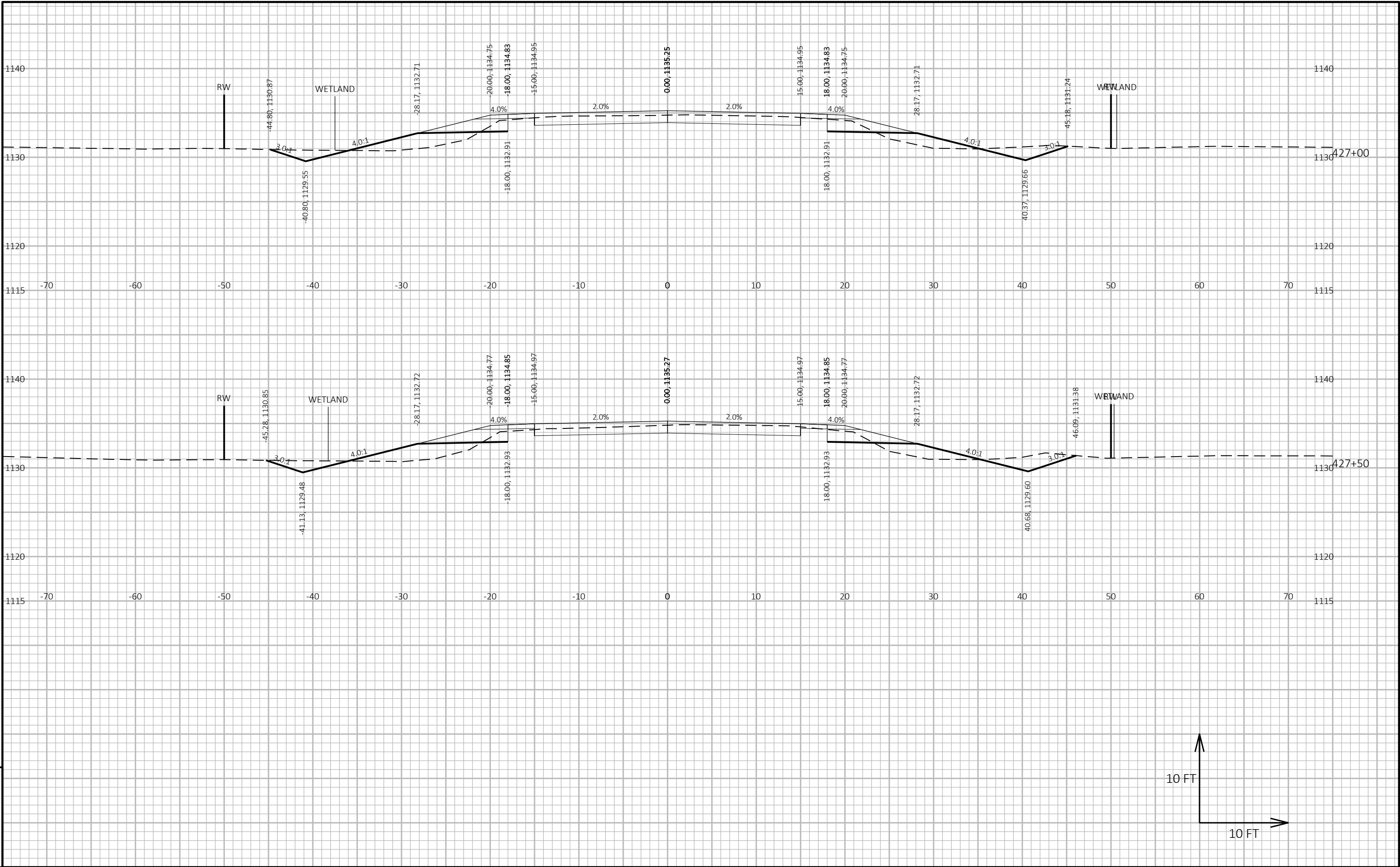
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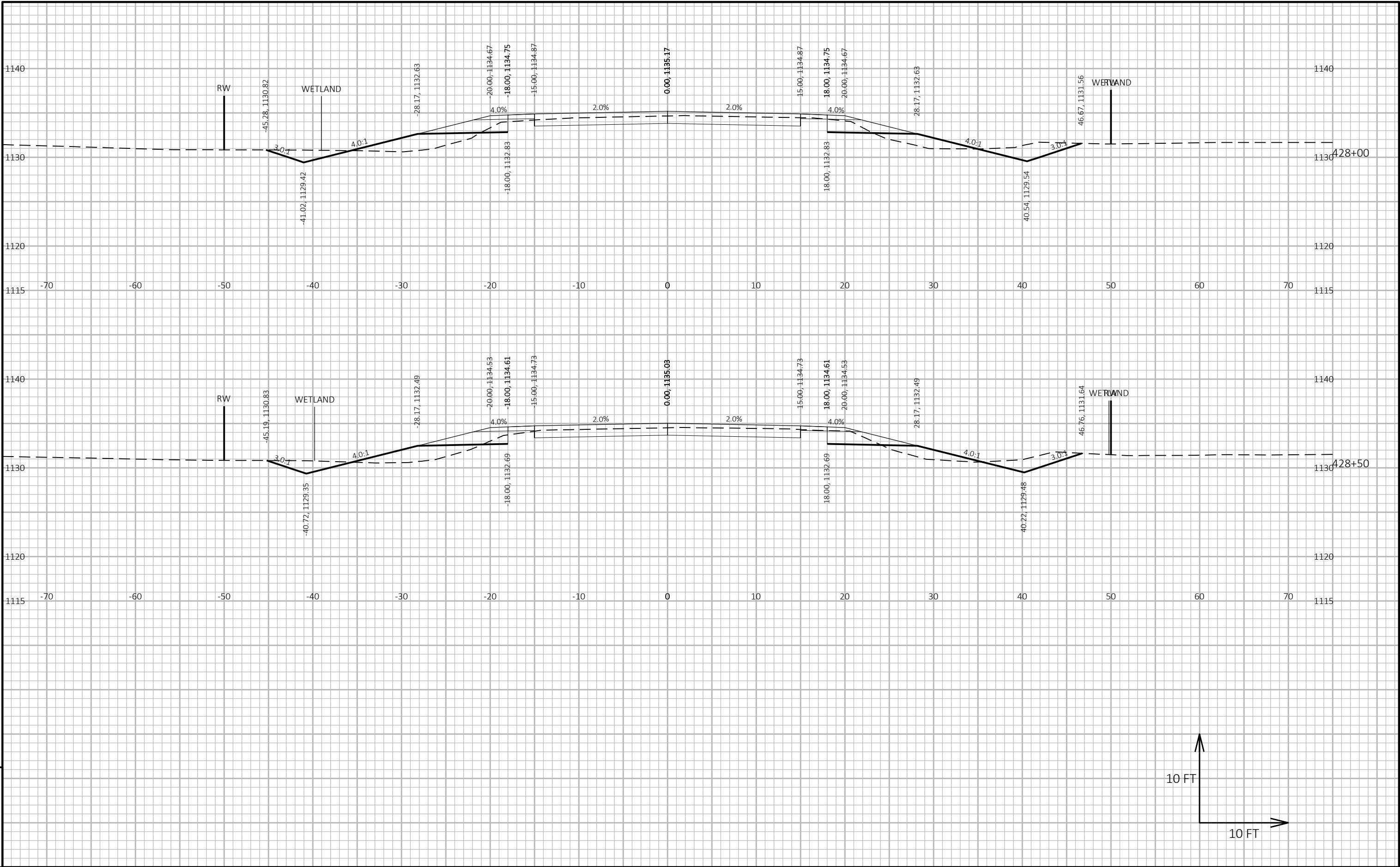
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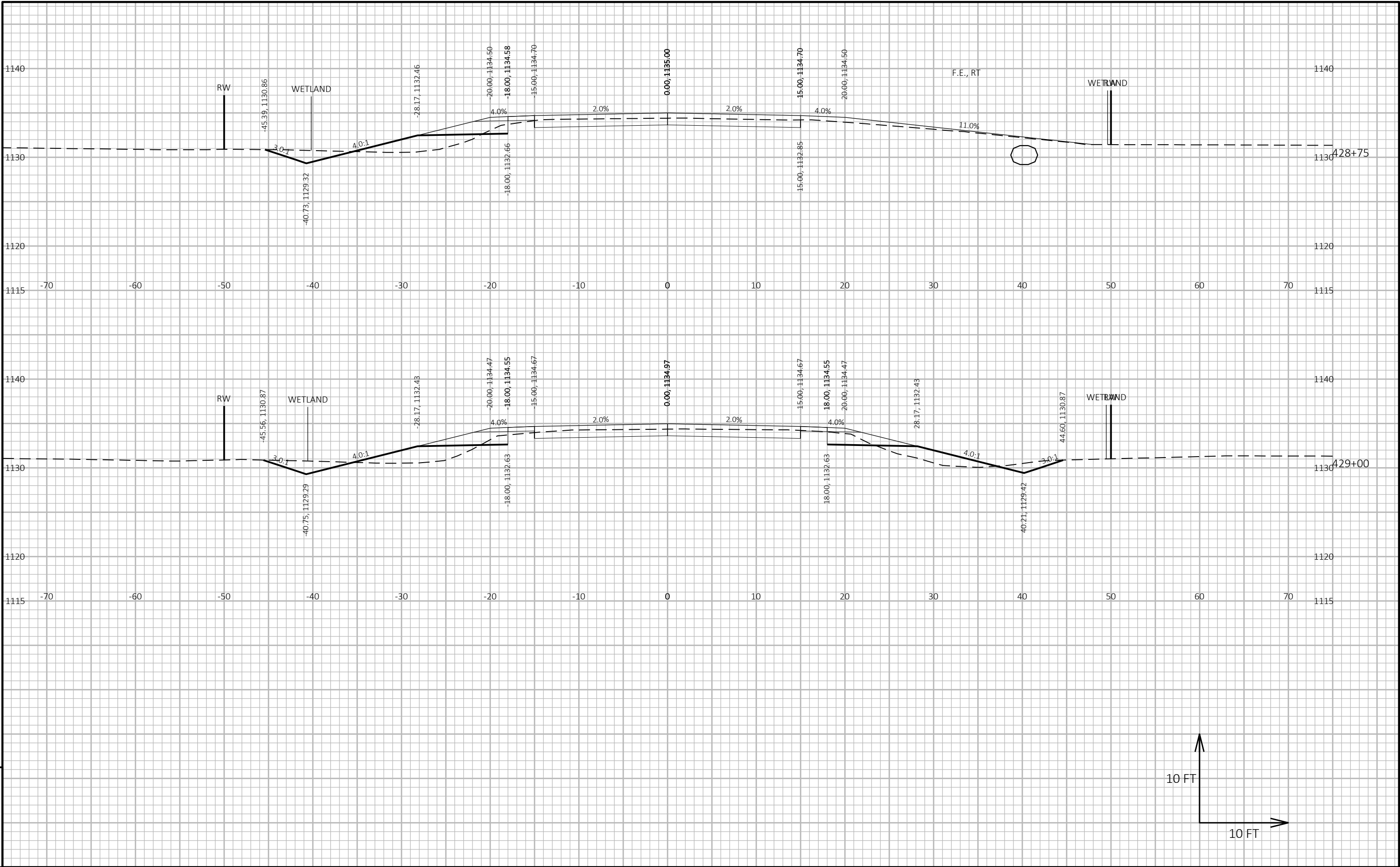


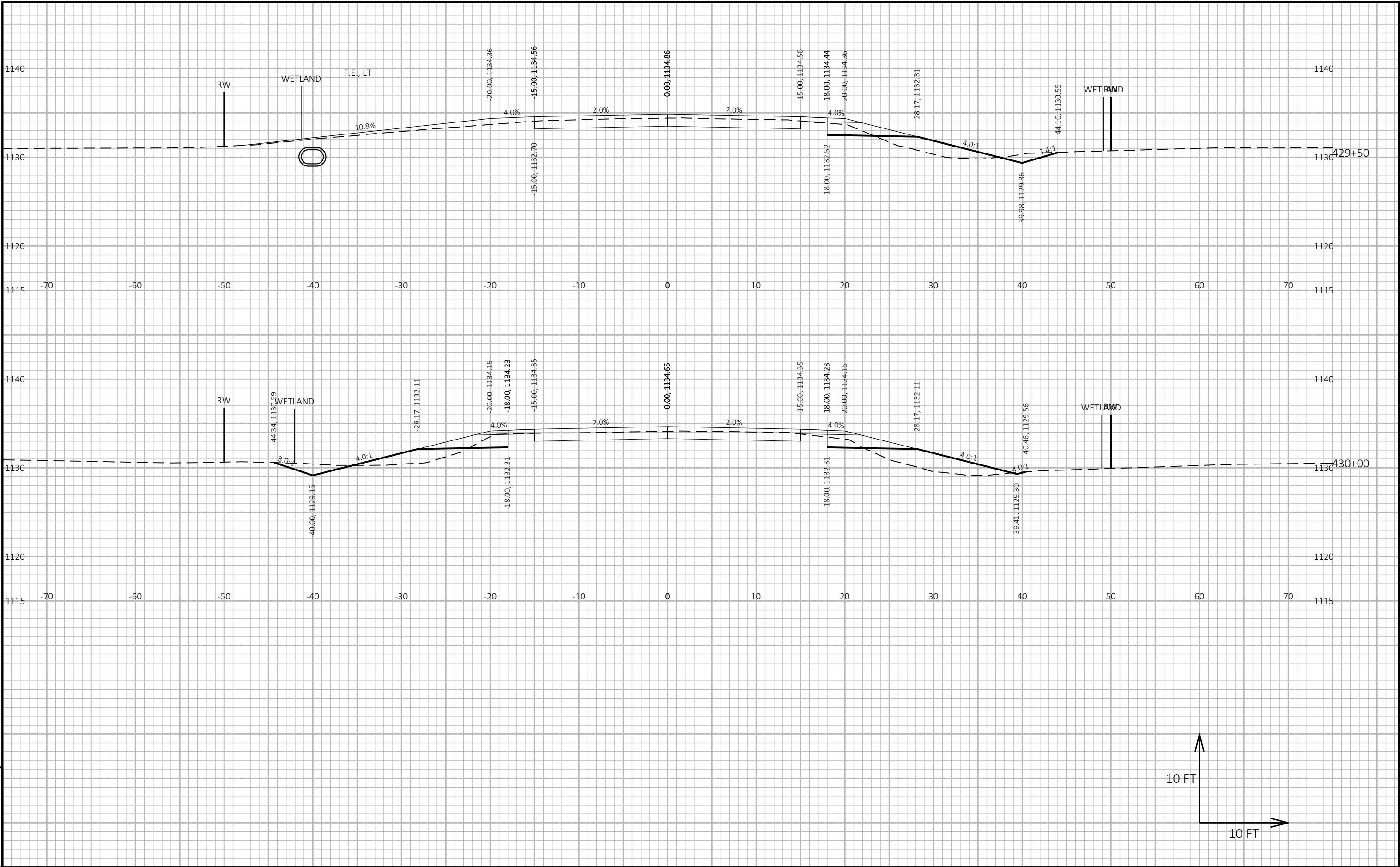


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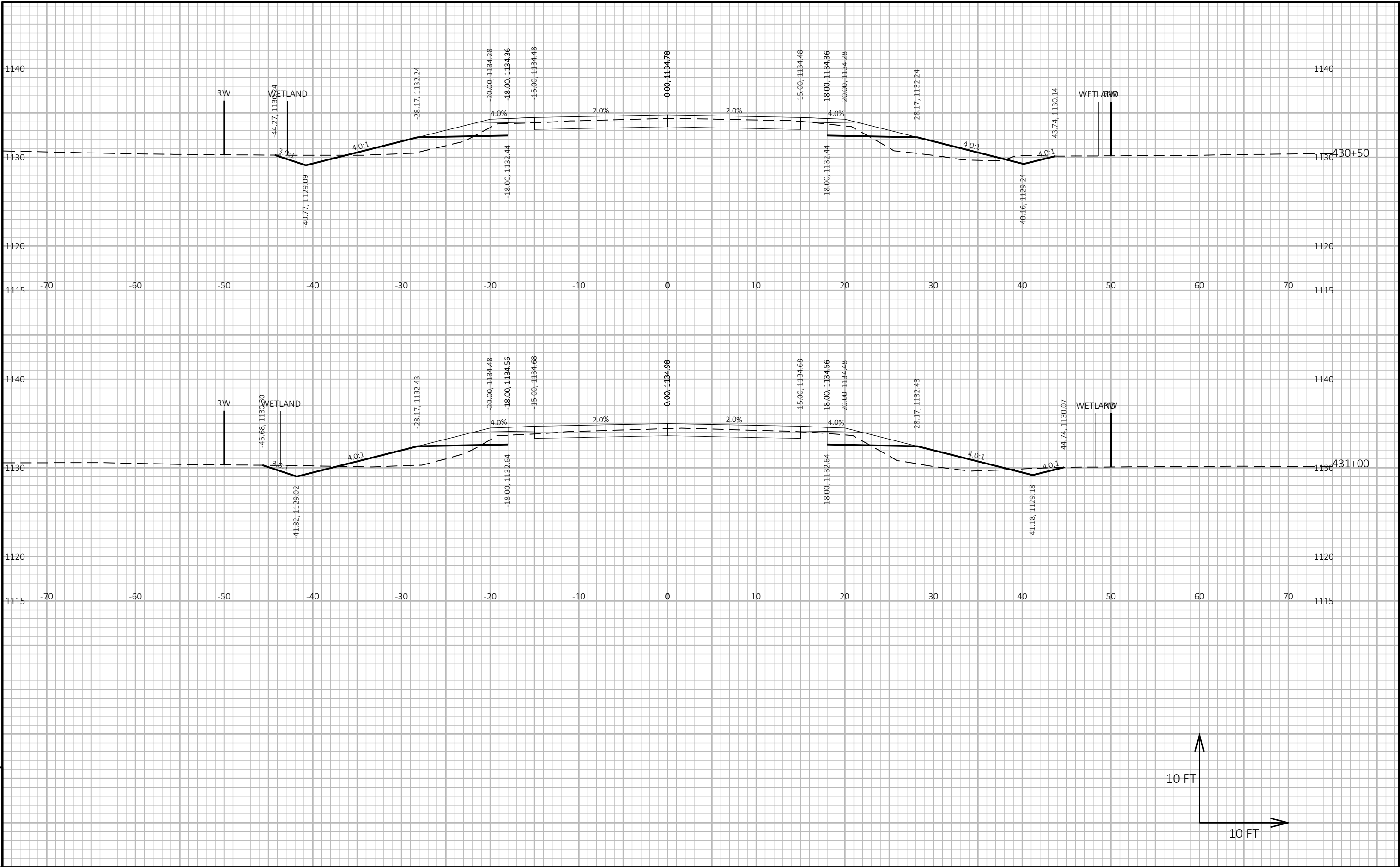
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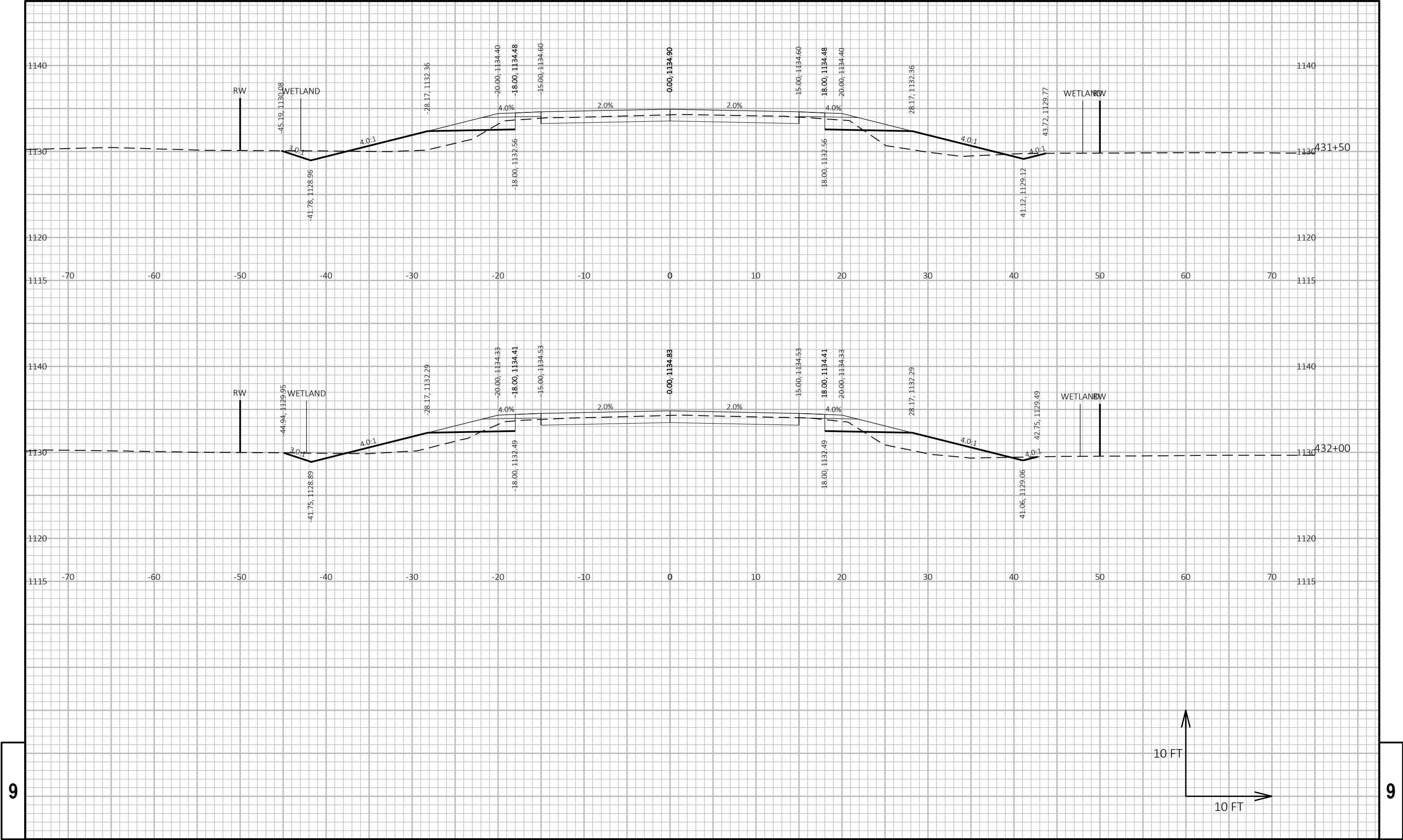




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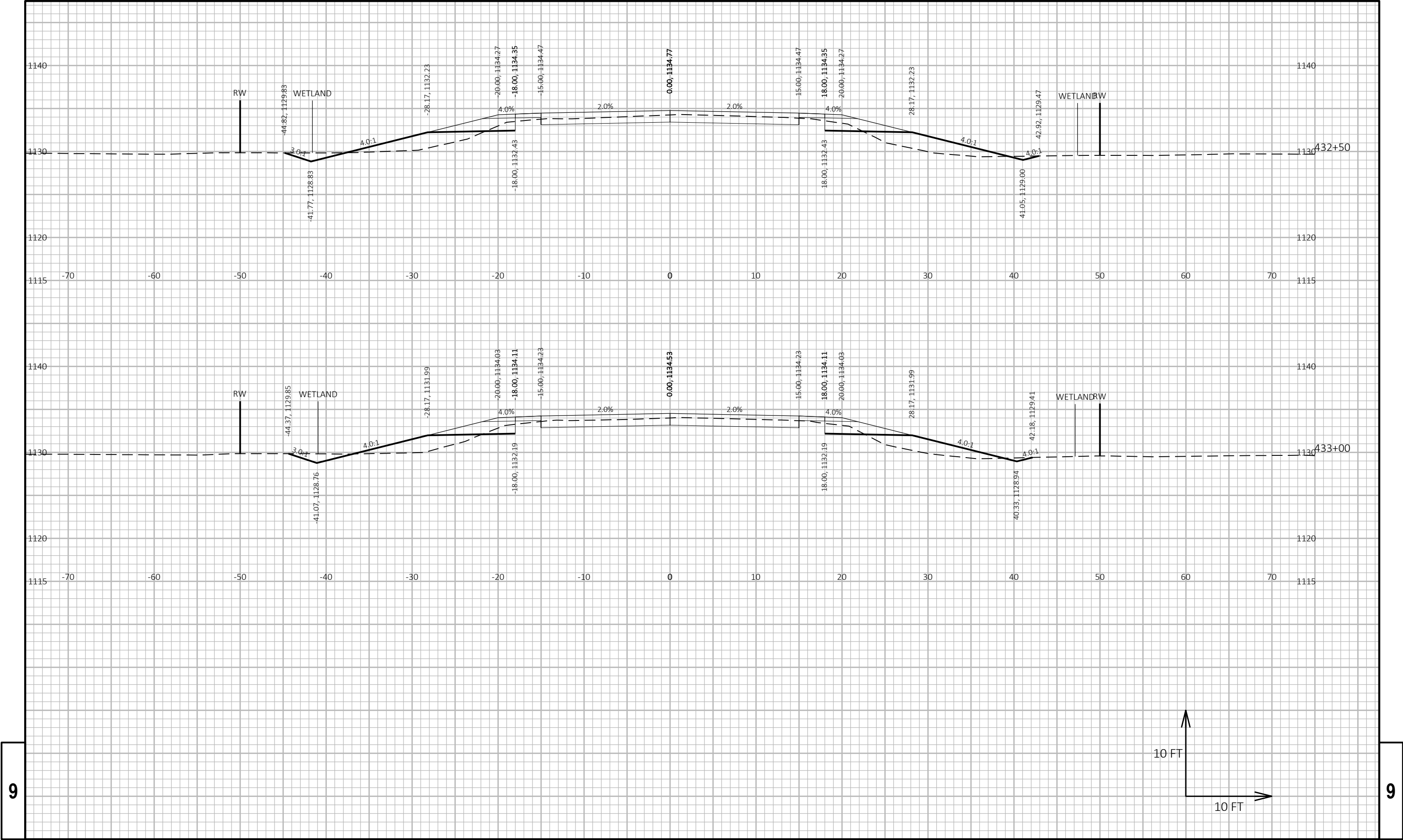


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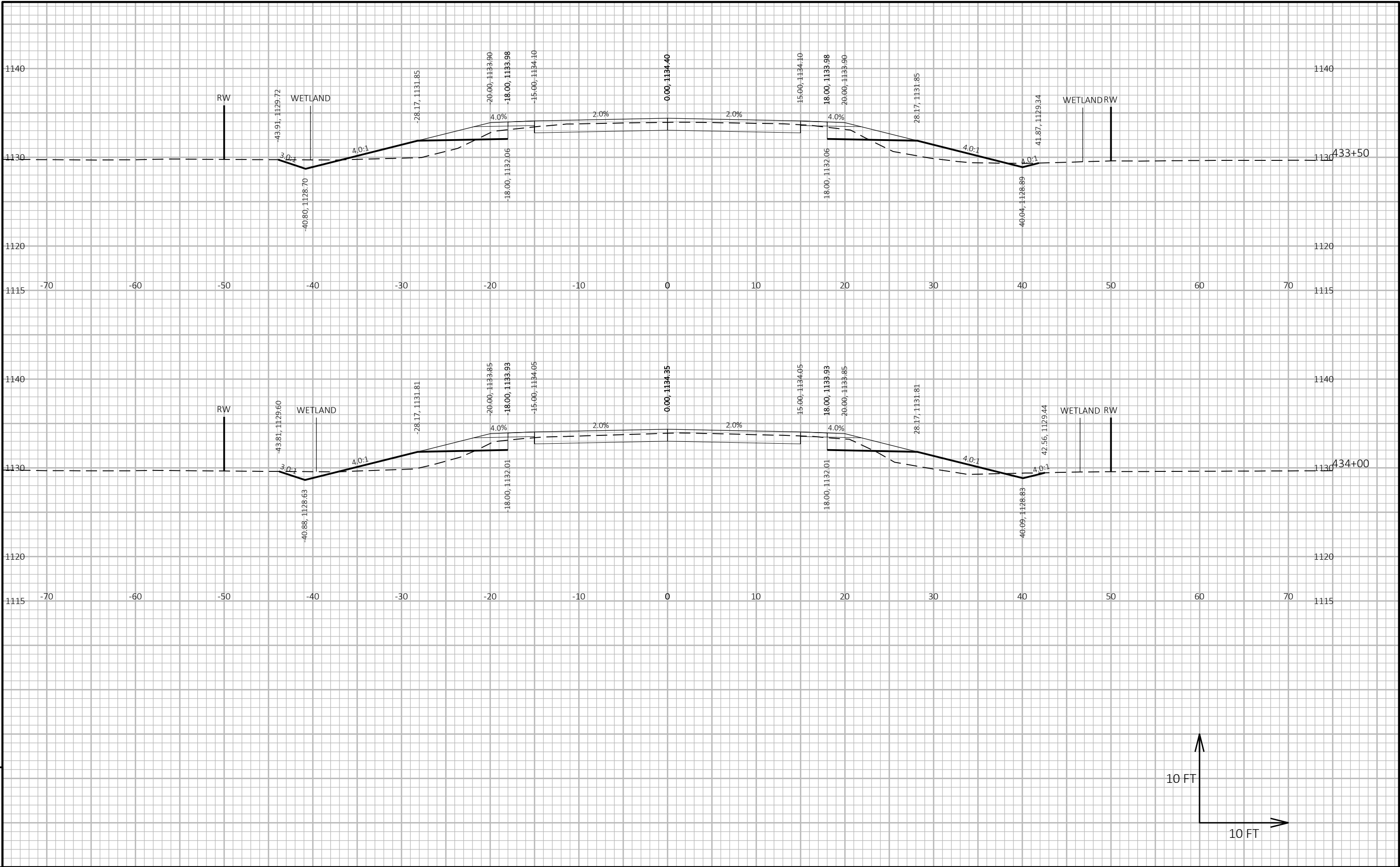
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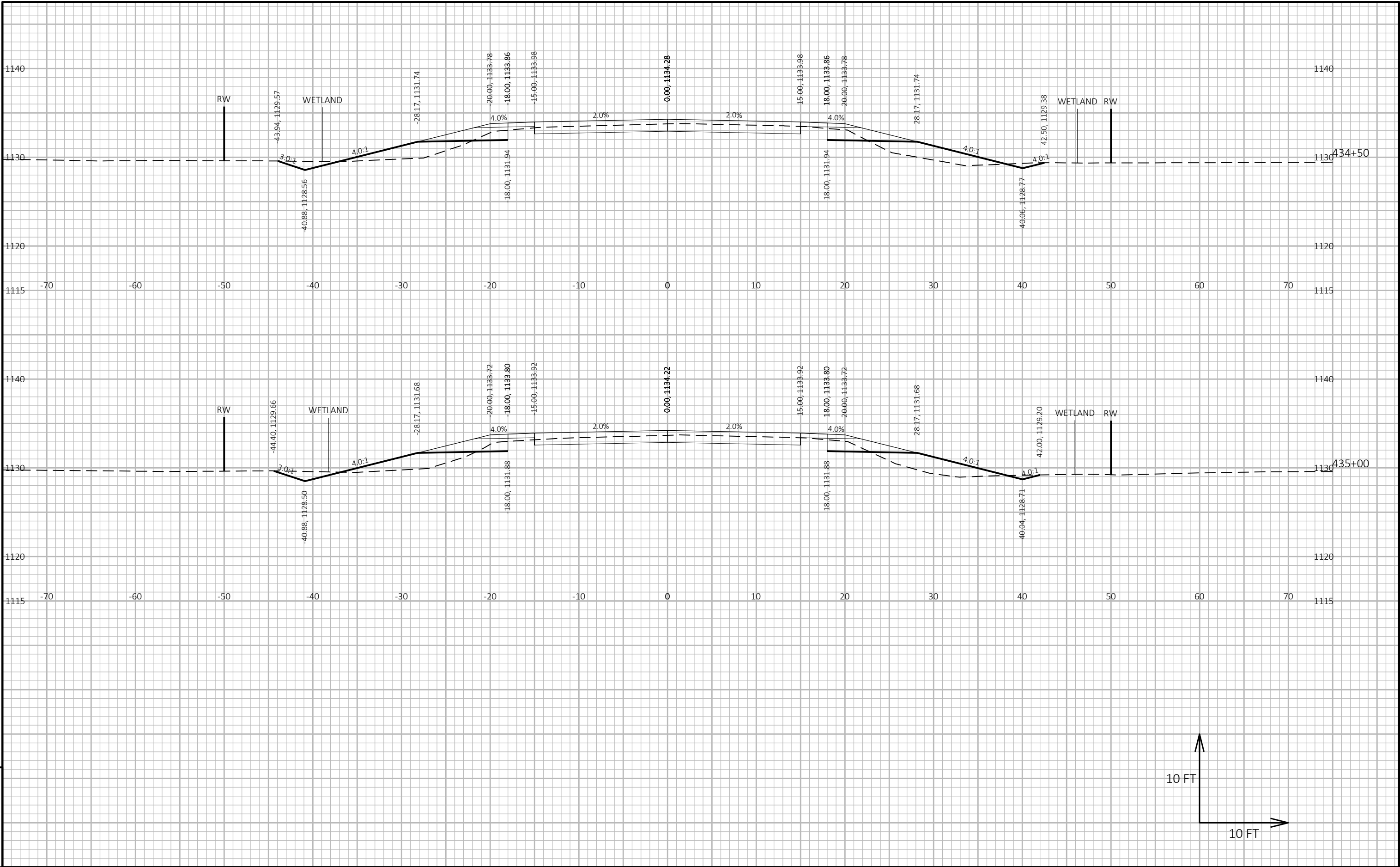
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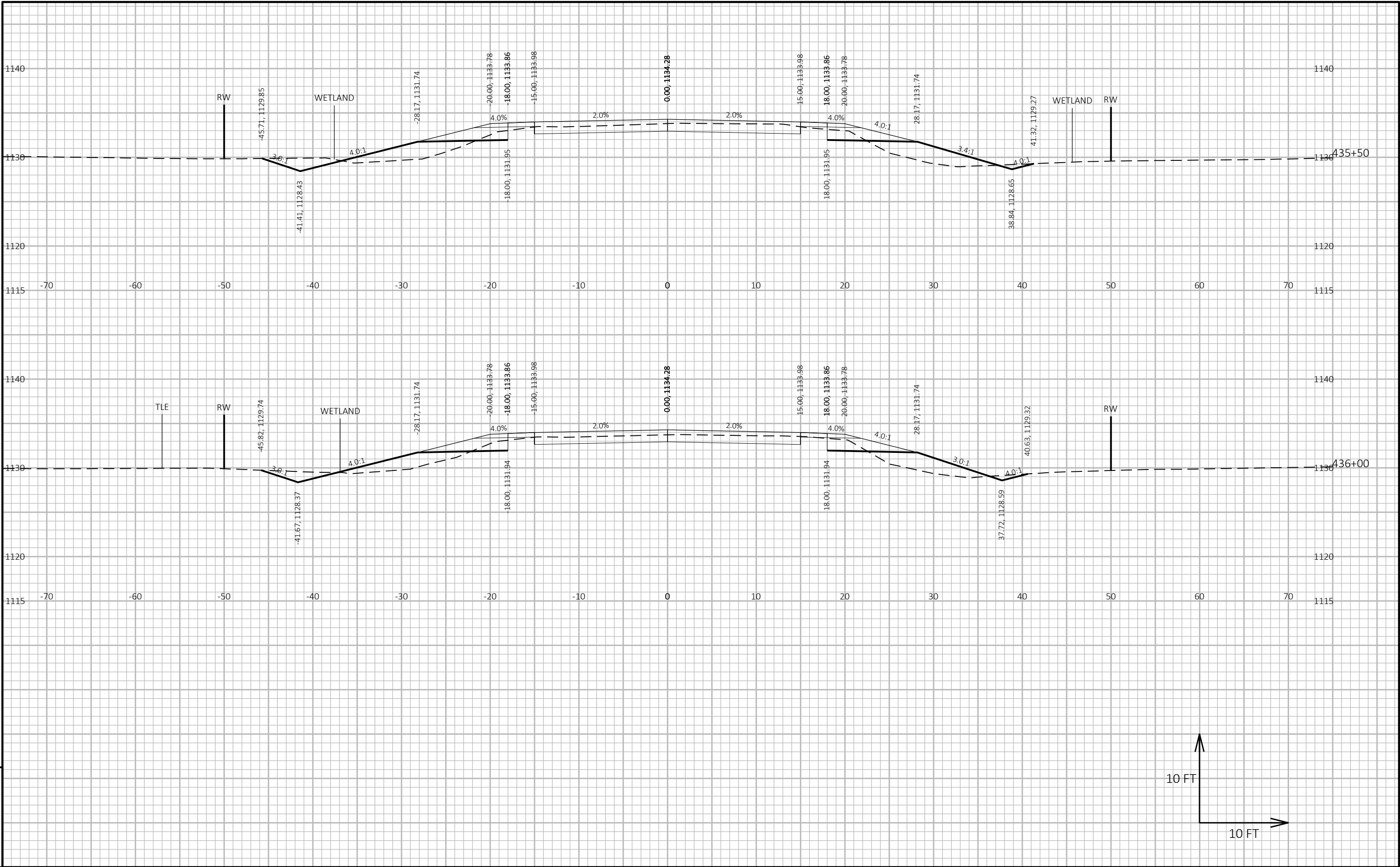


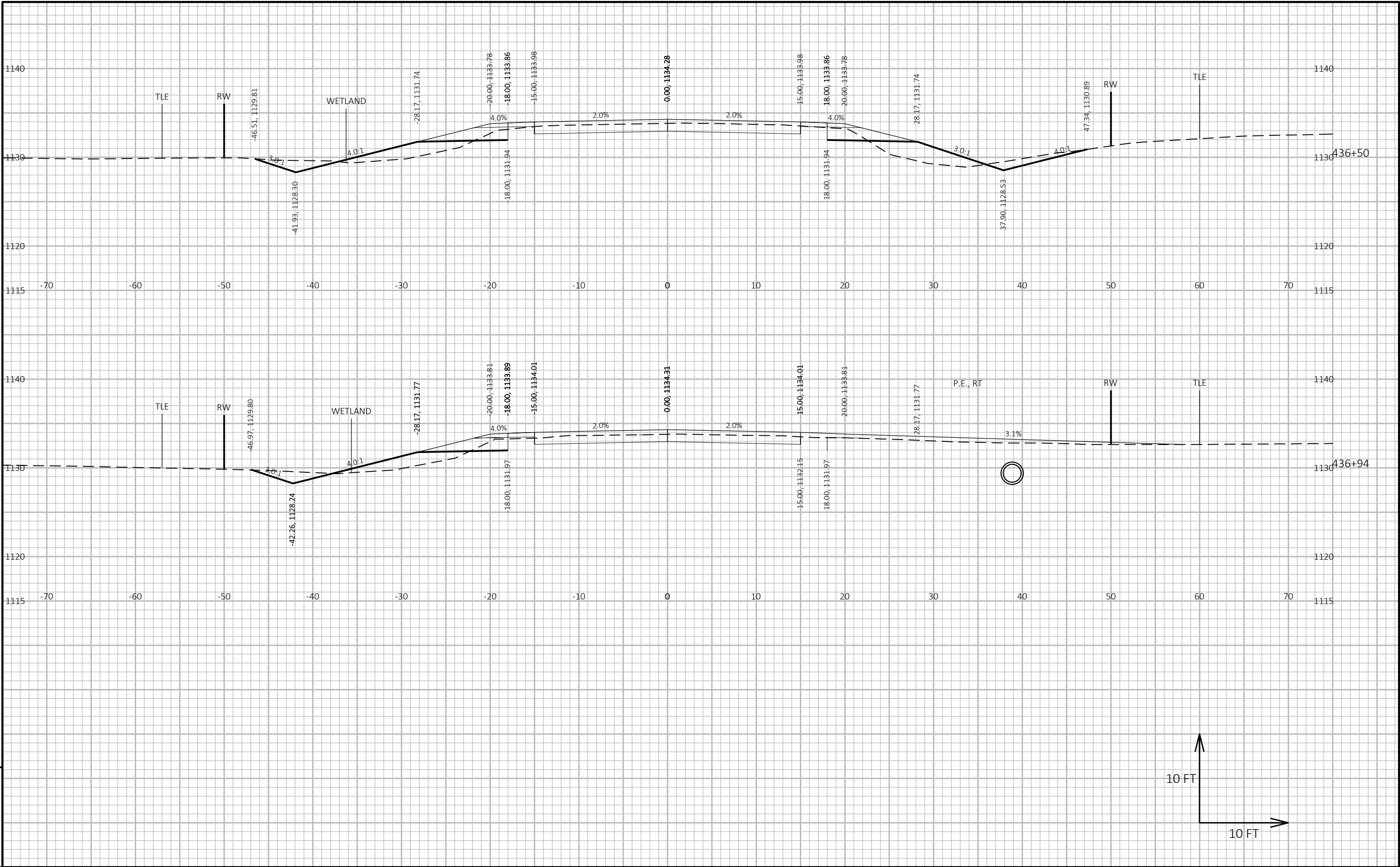
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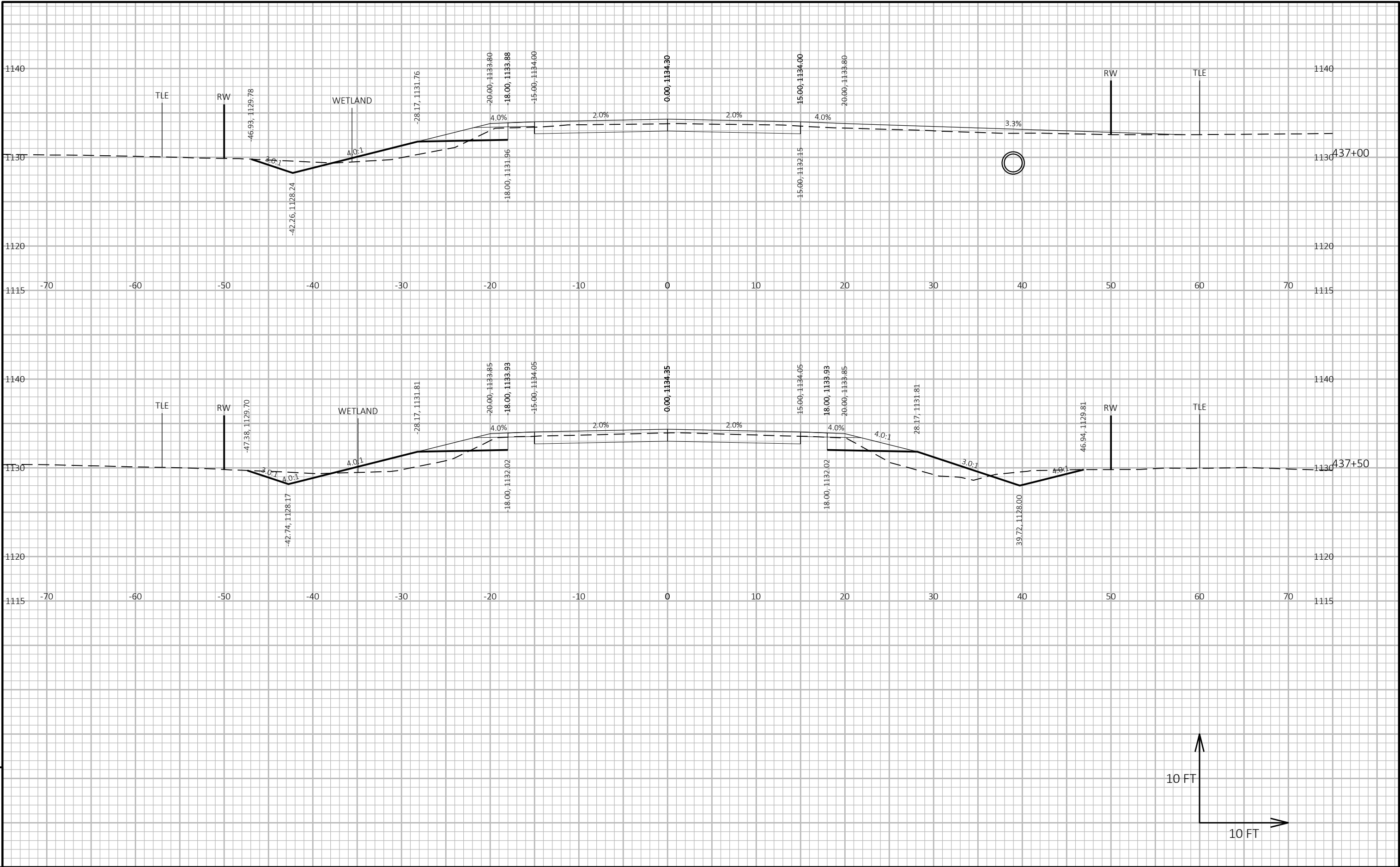
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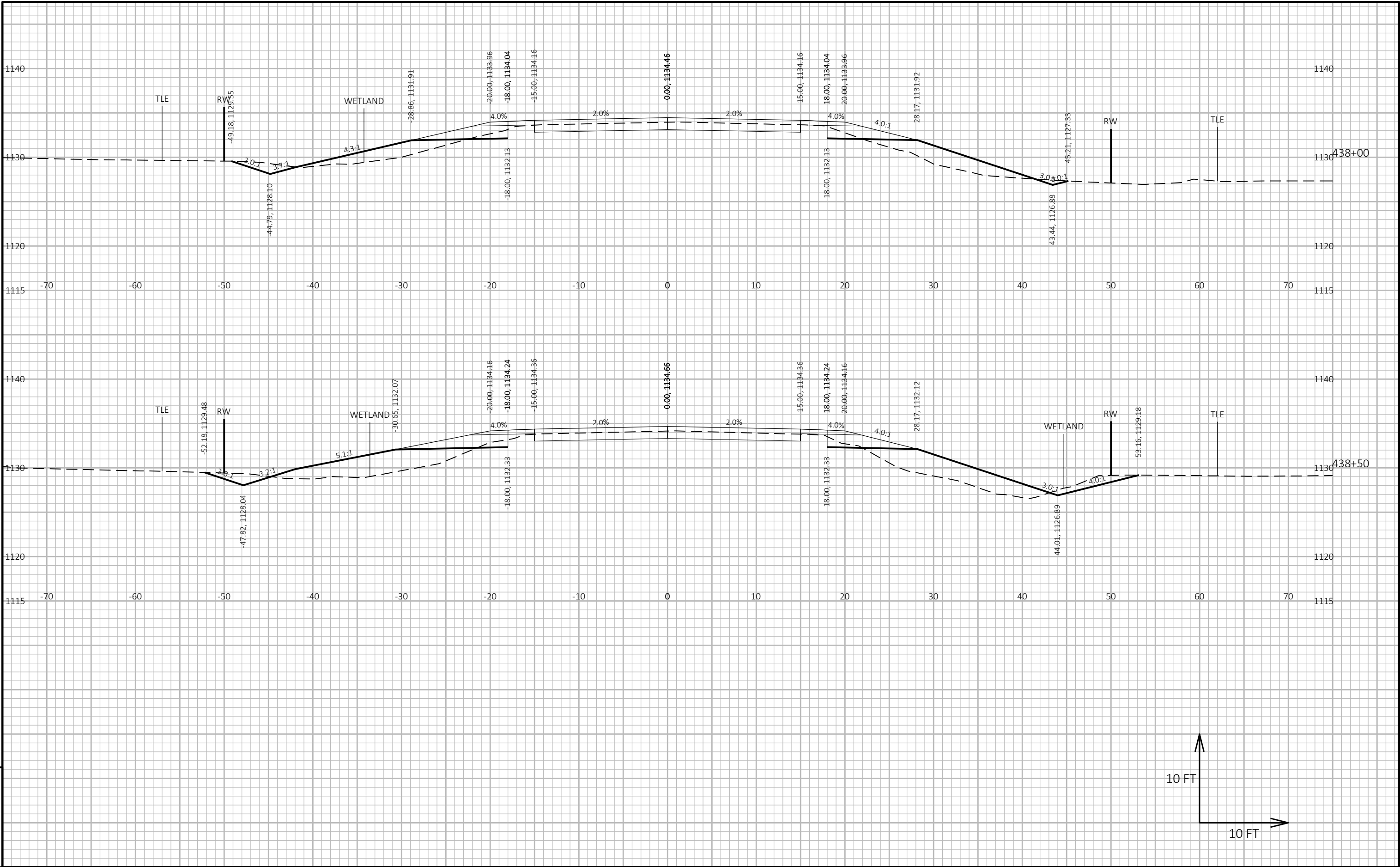


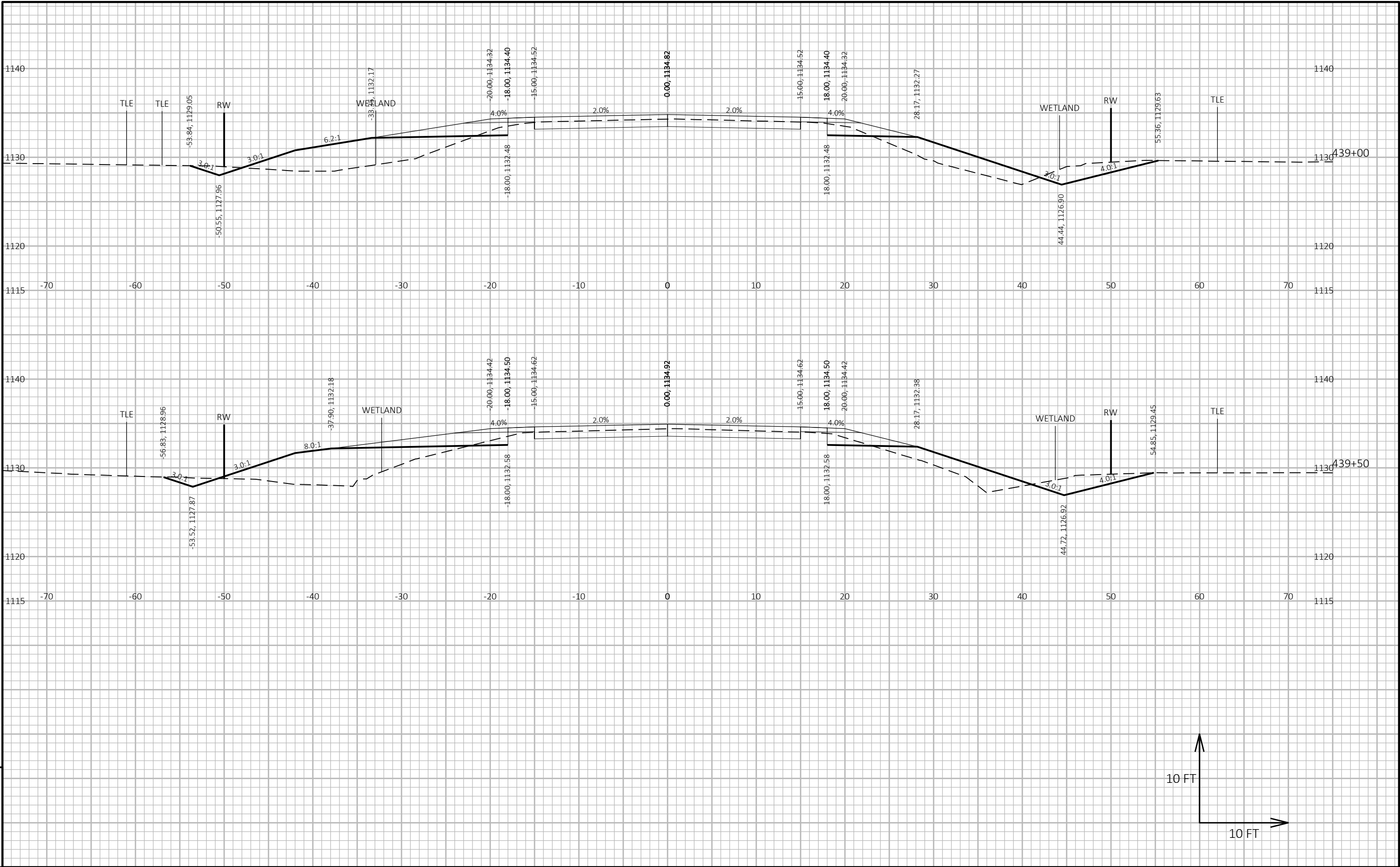


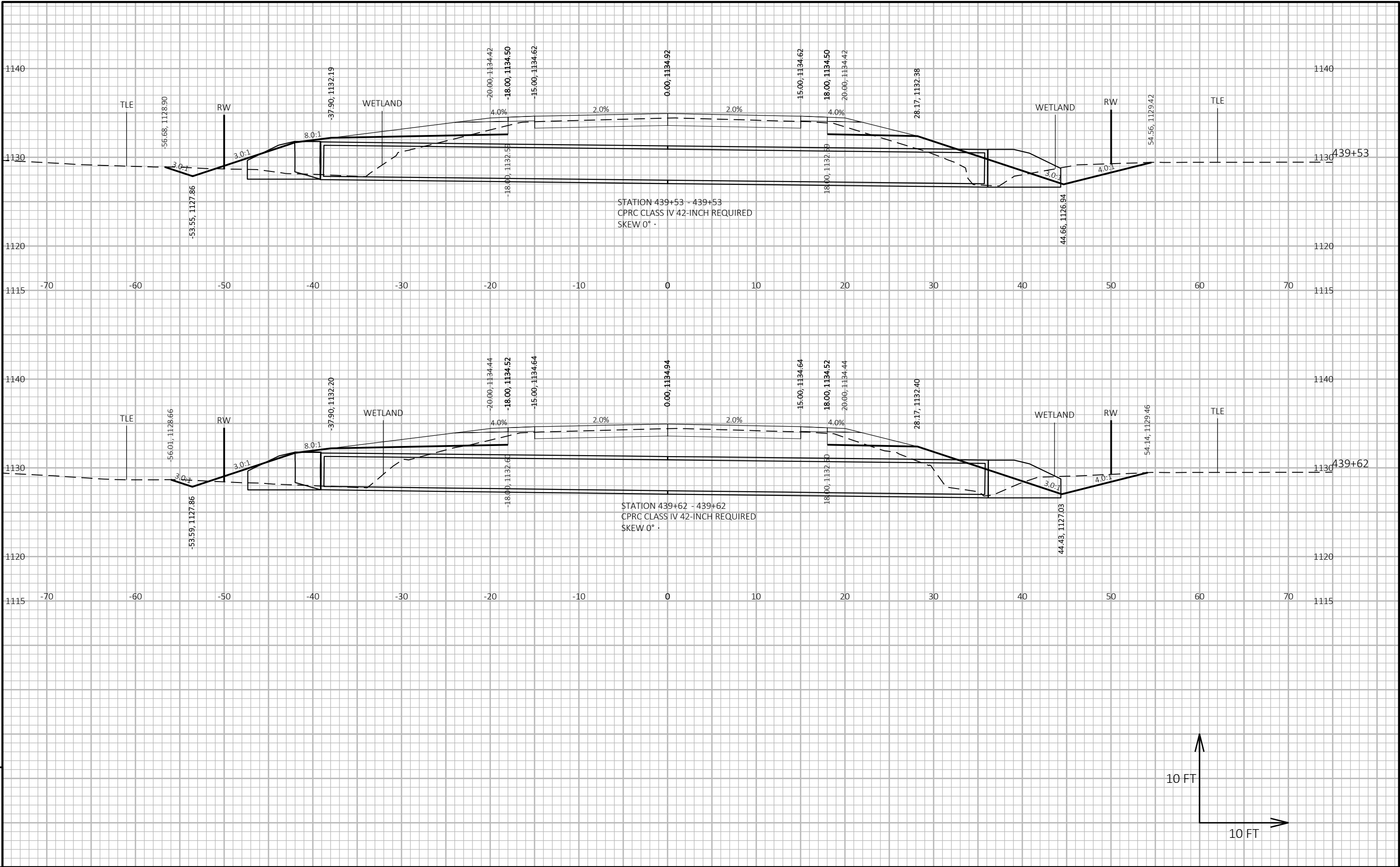


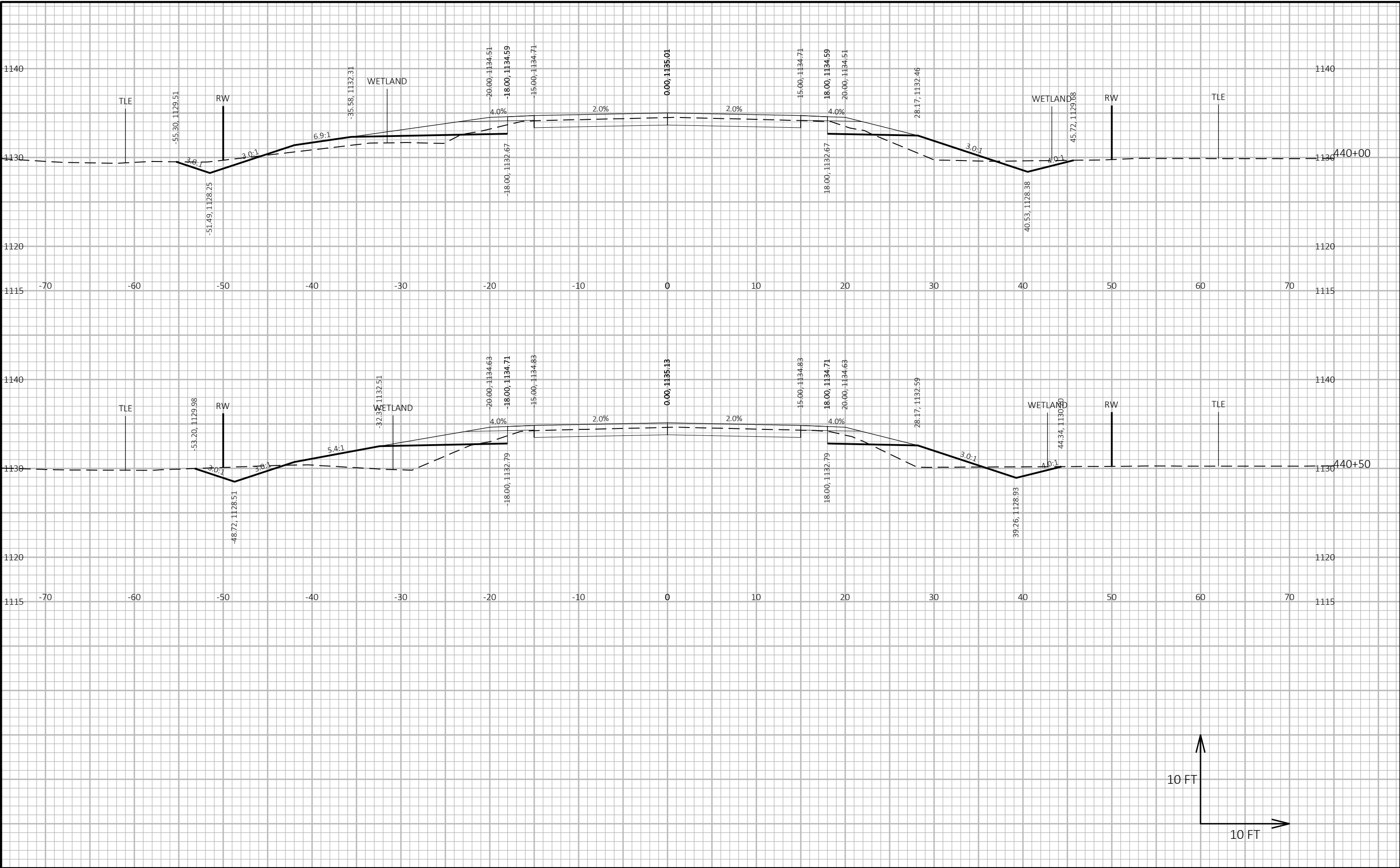


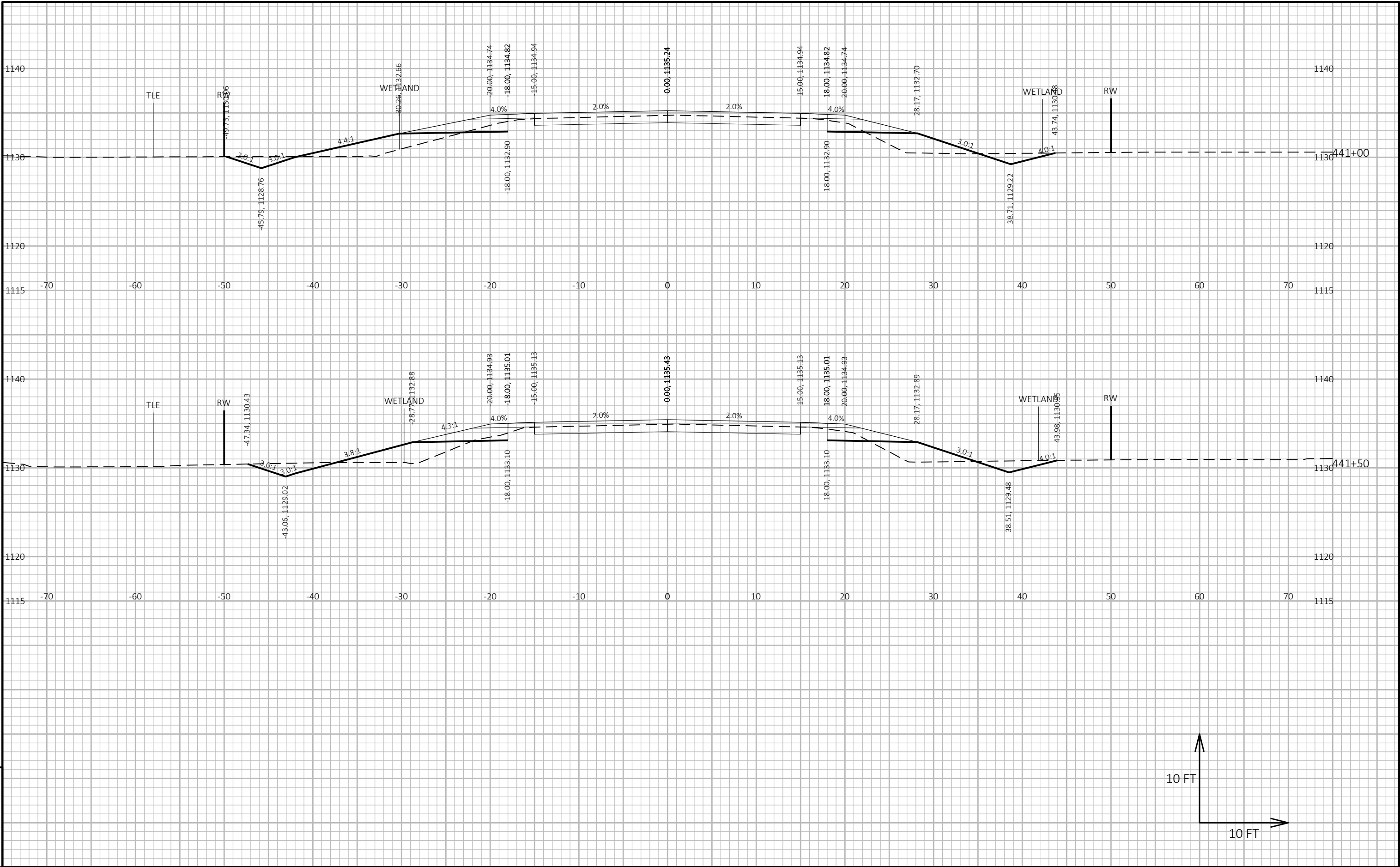


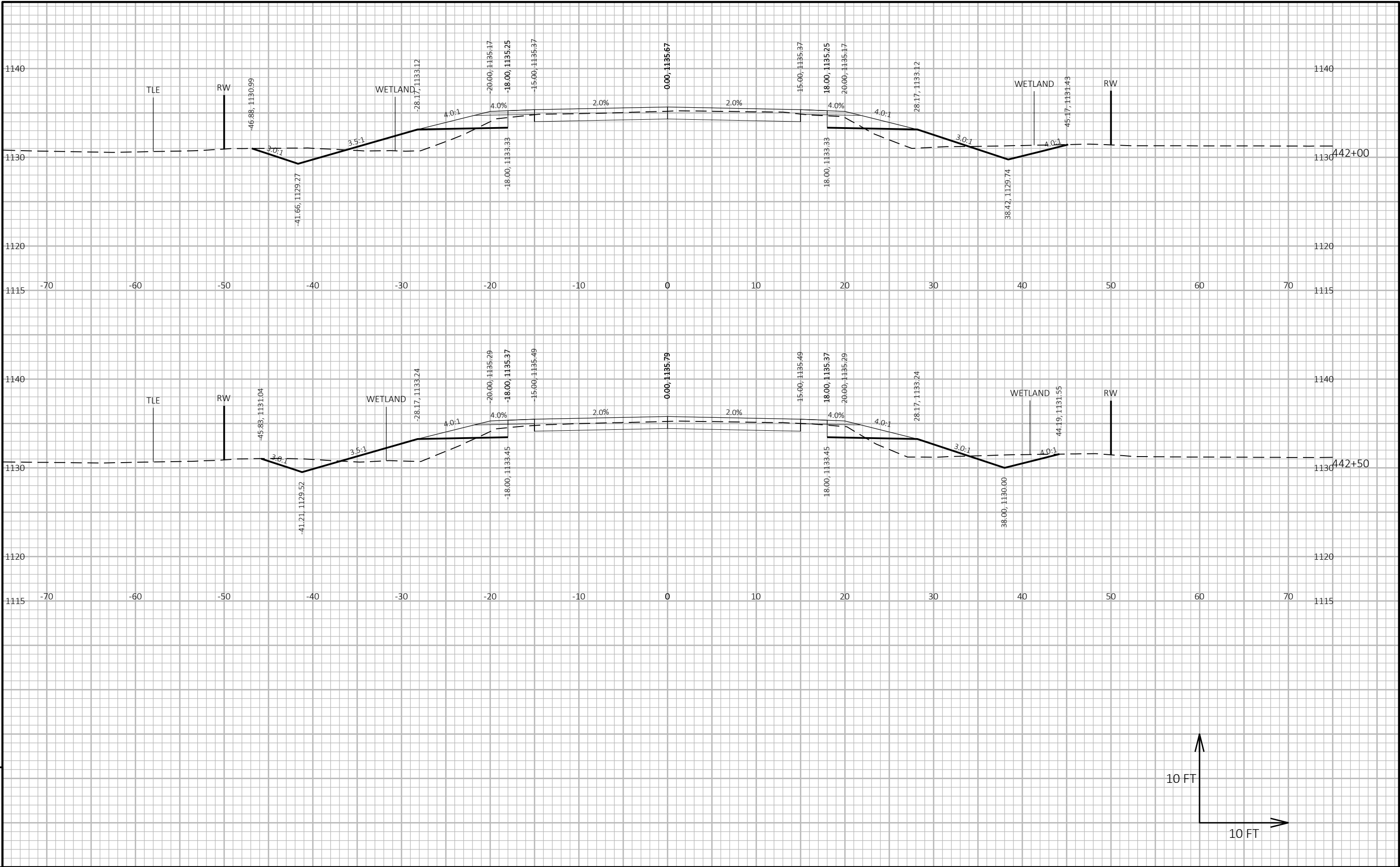


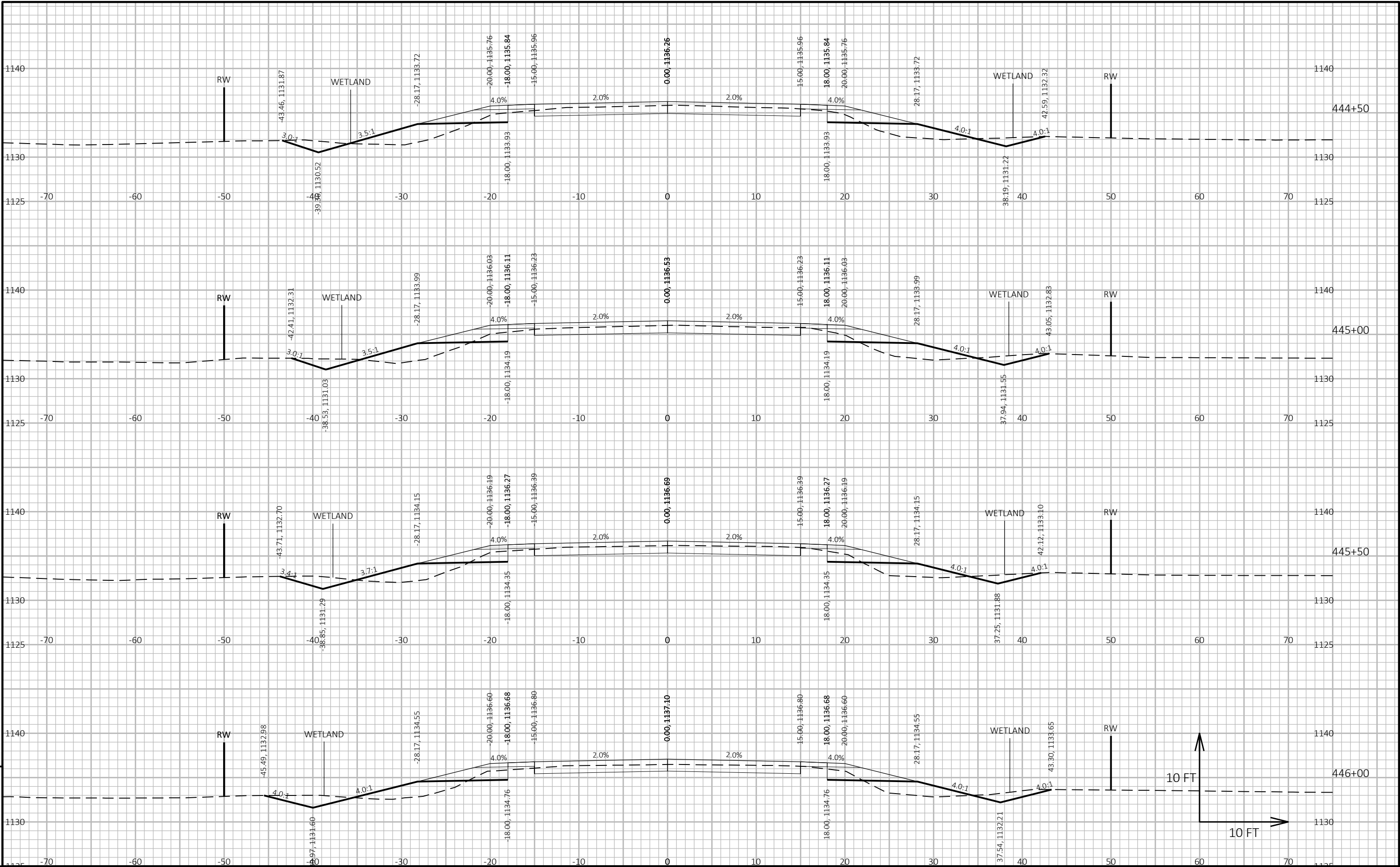


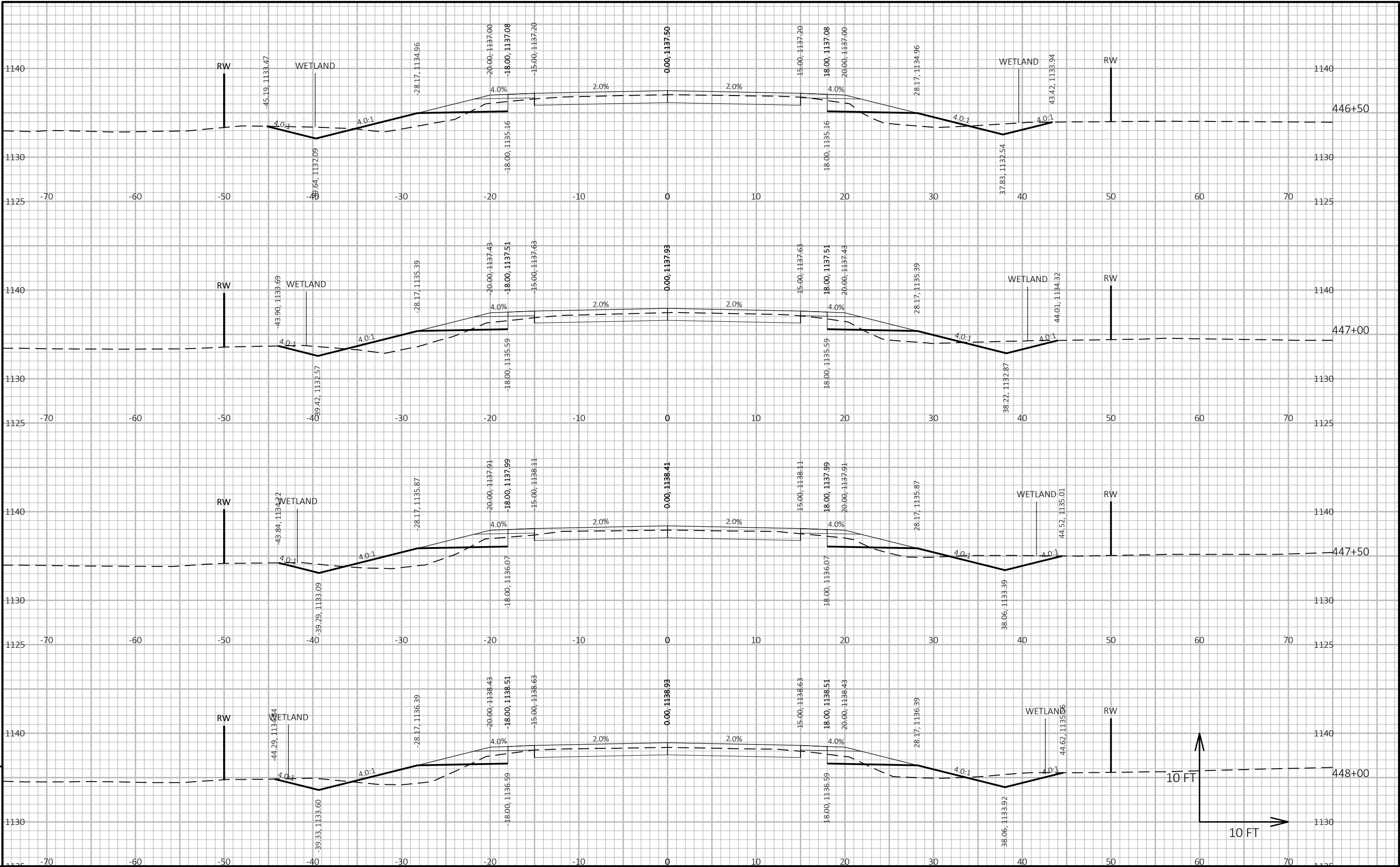


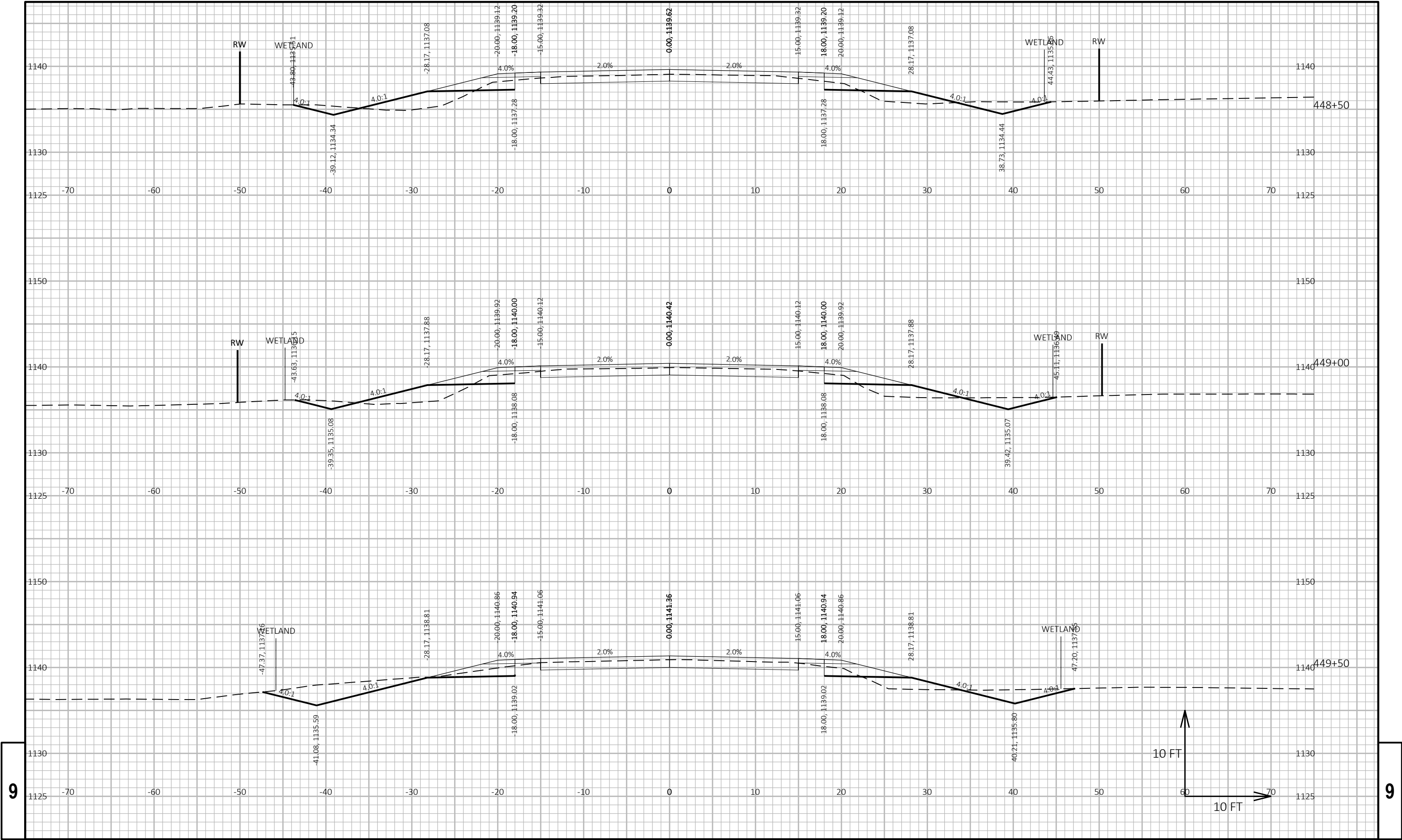


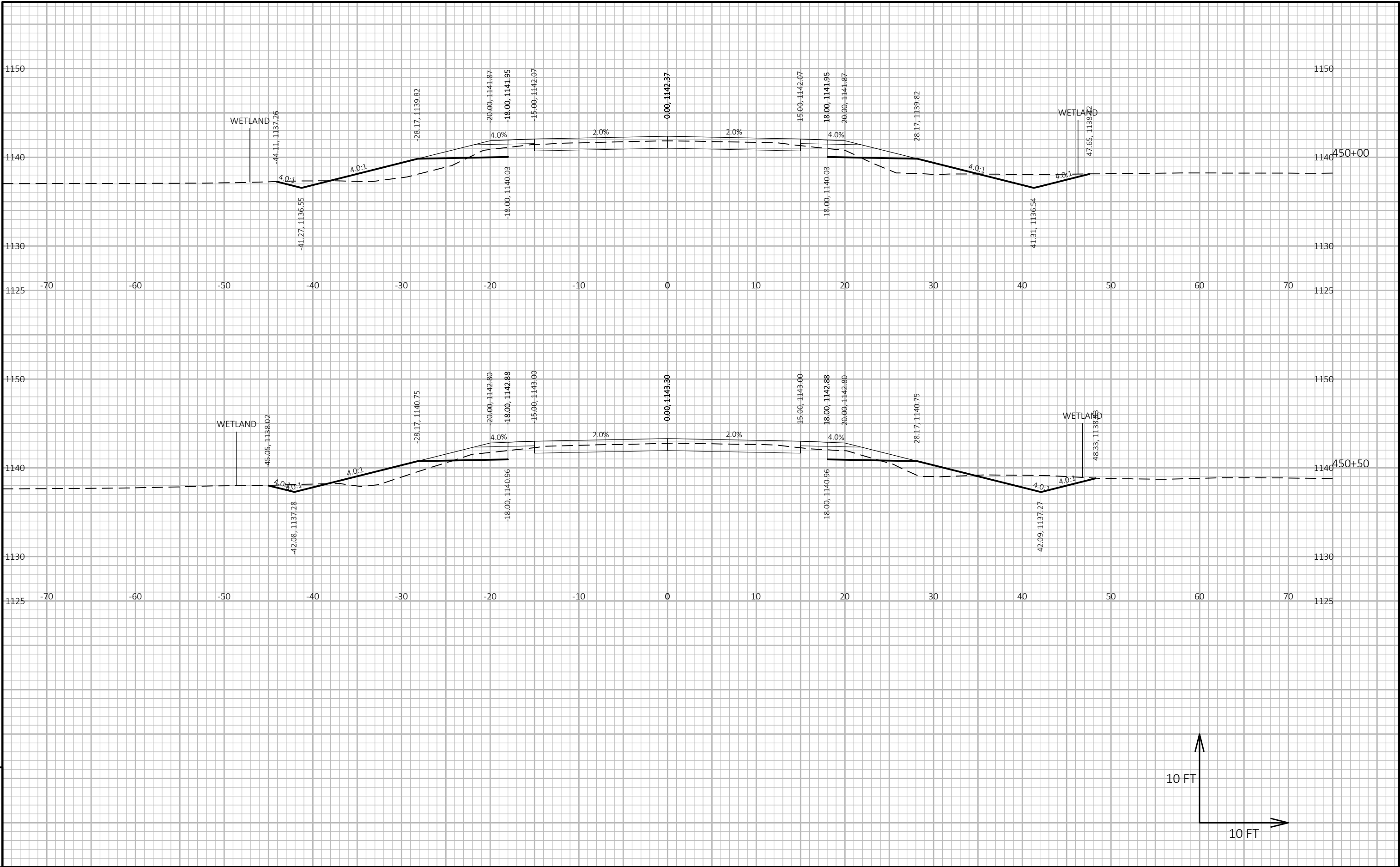


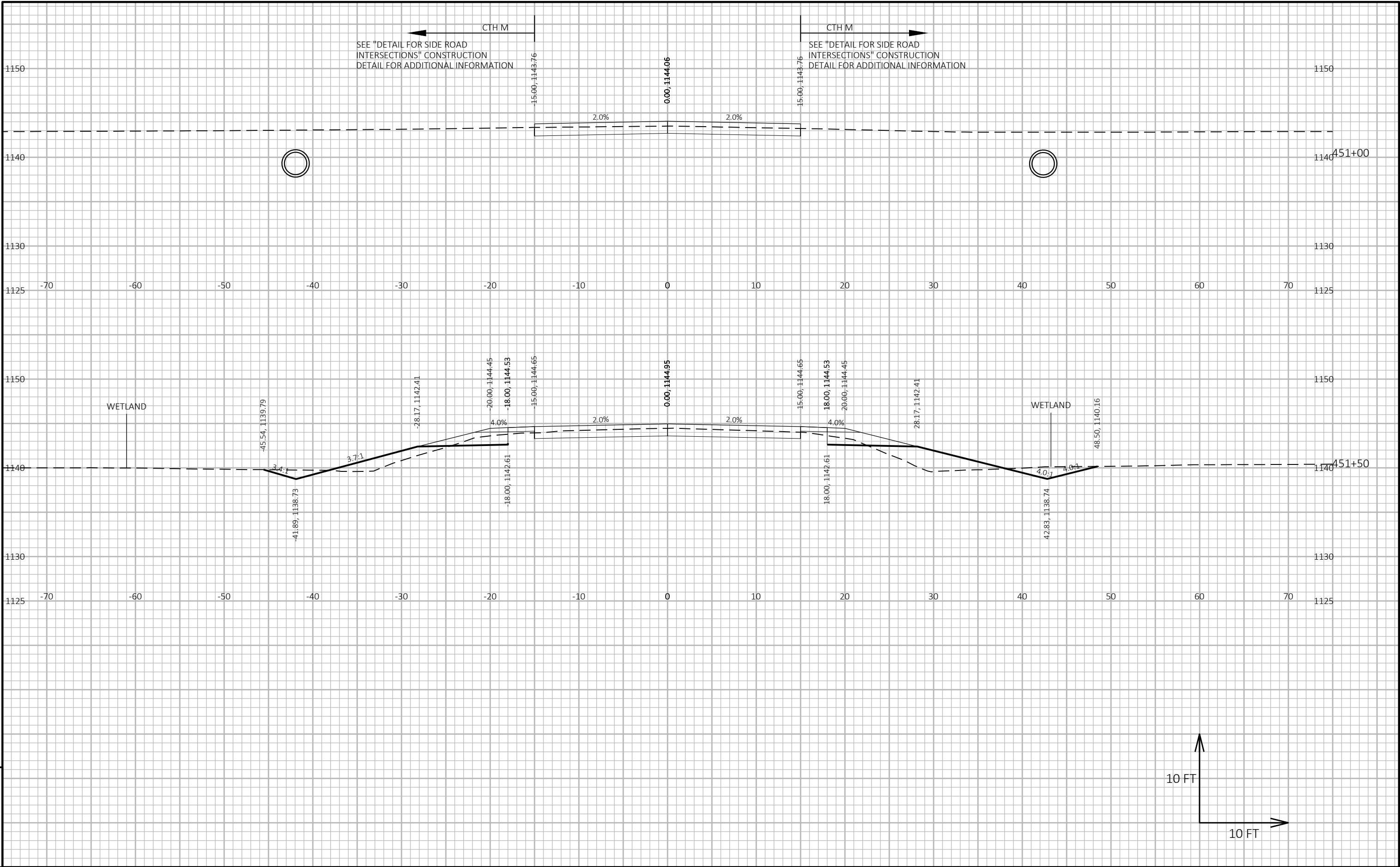








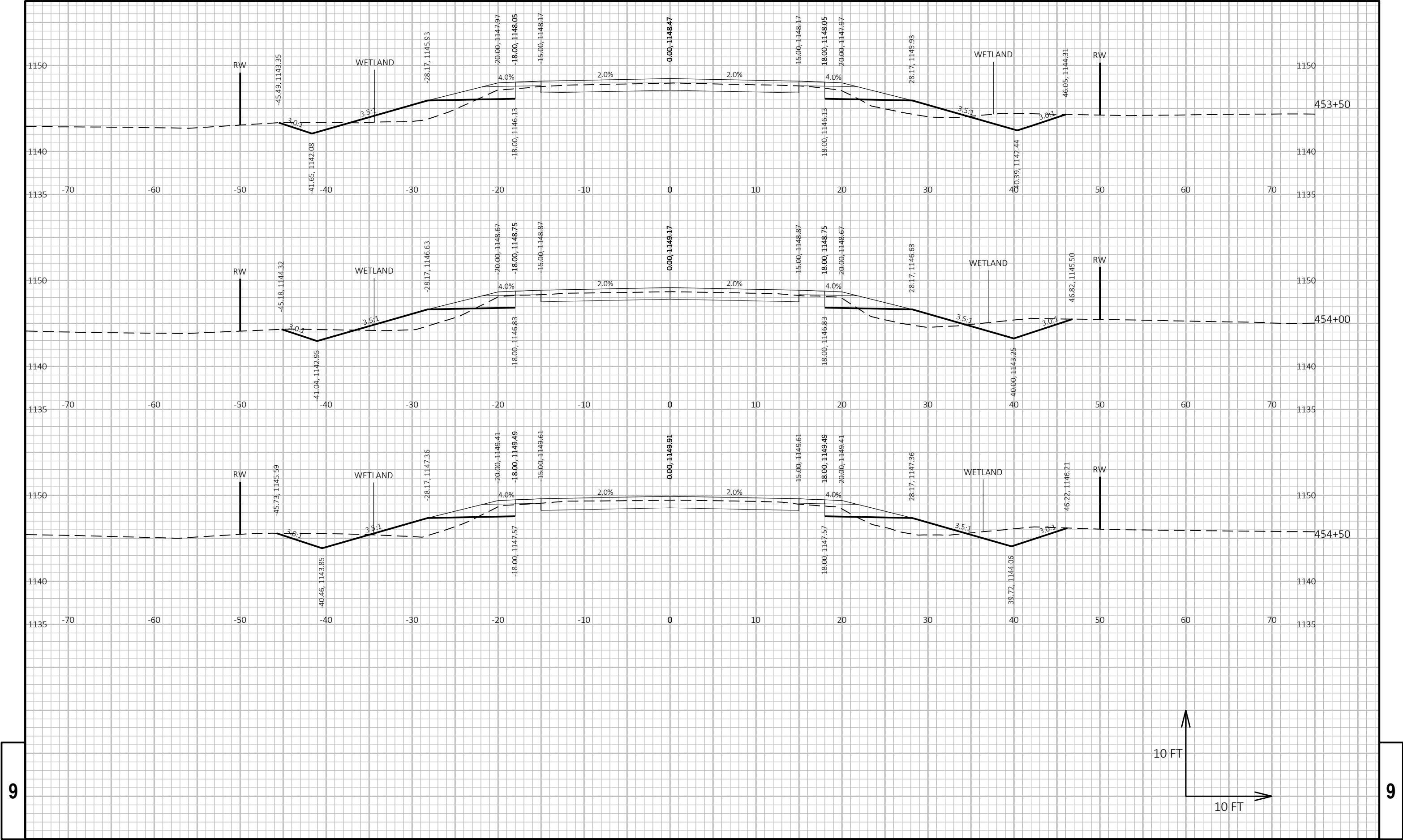




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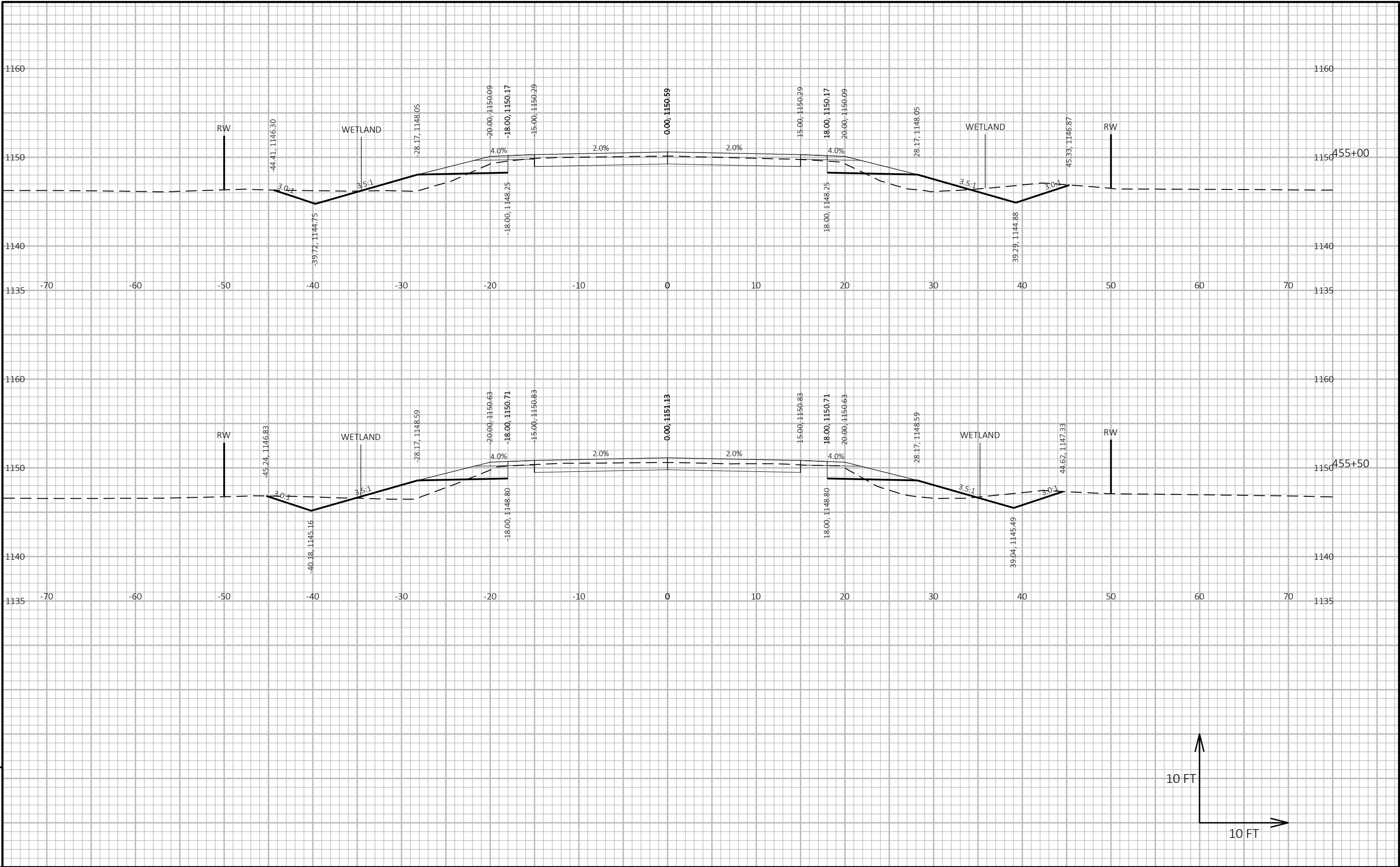
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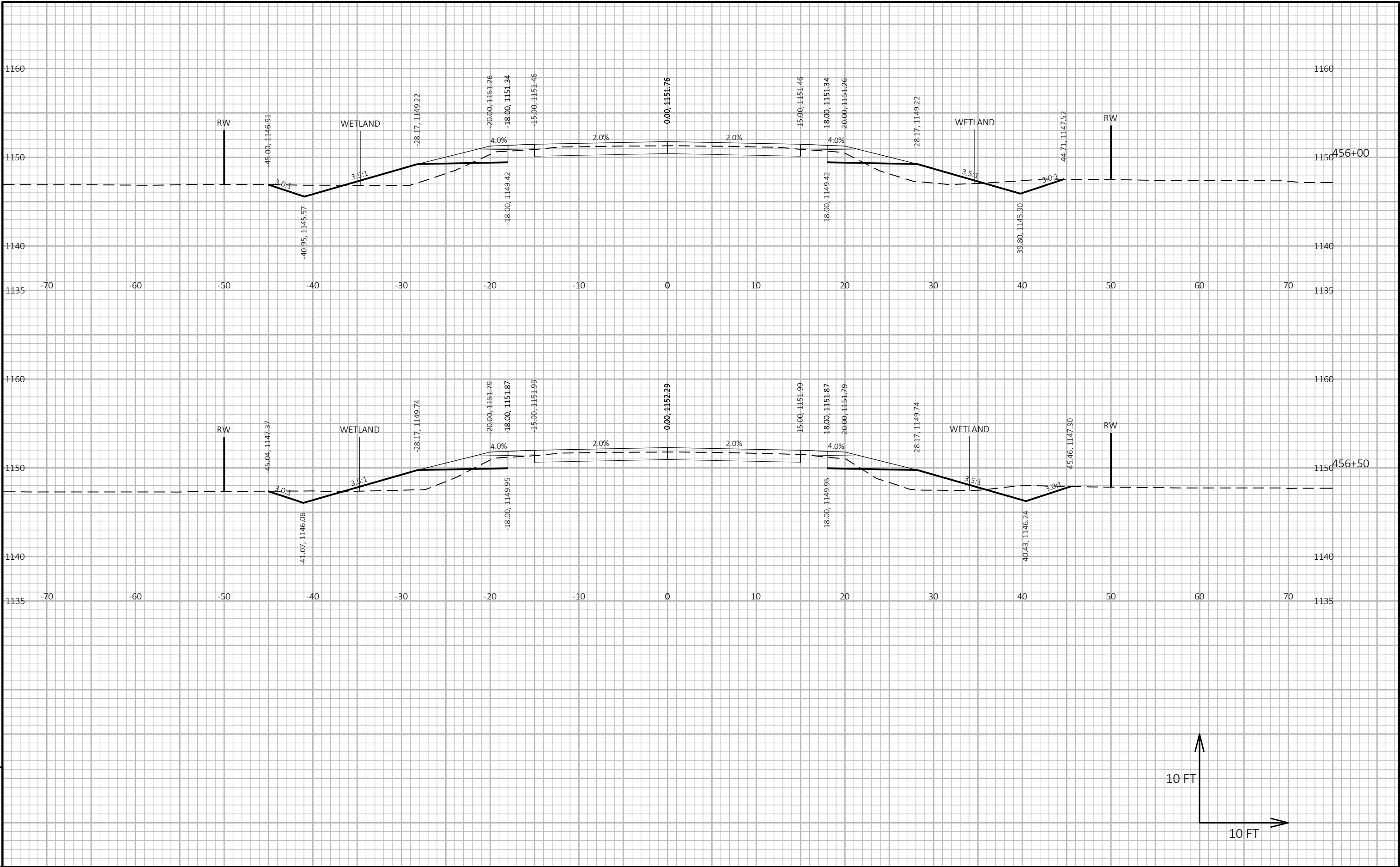
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 267	E
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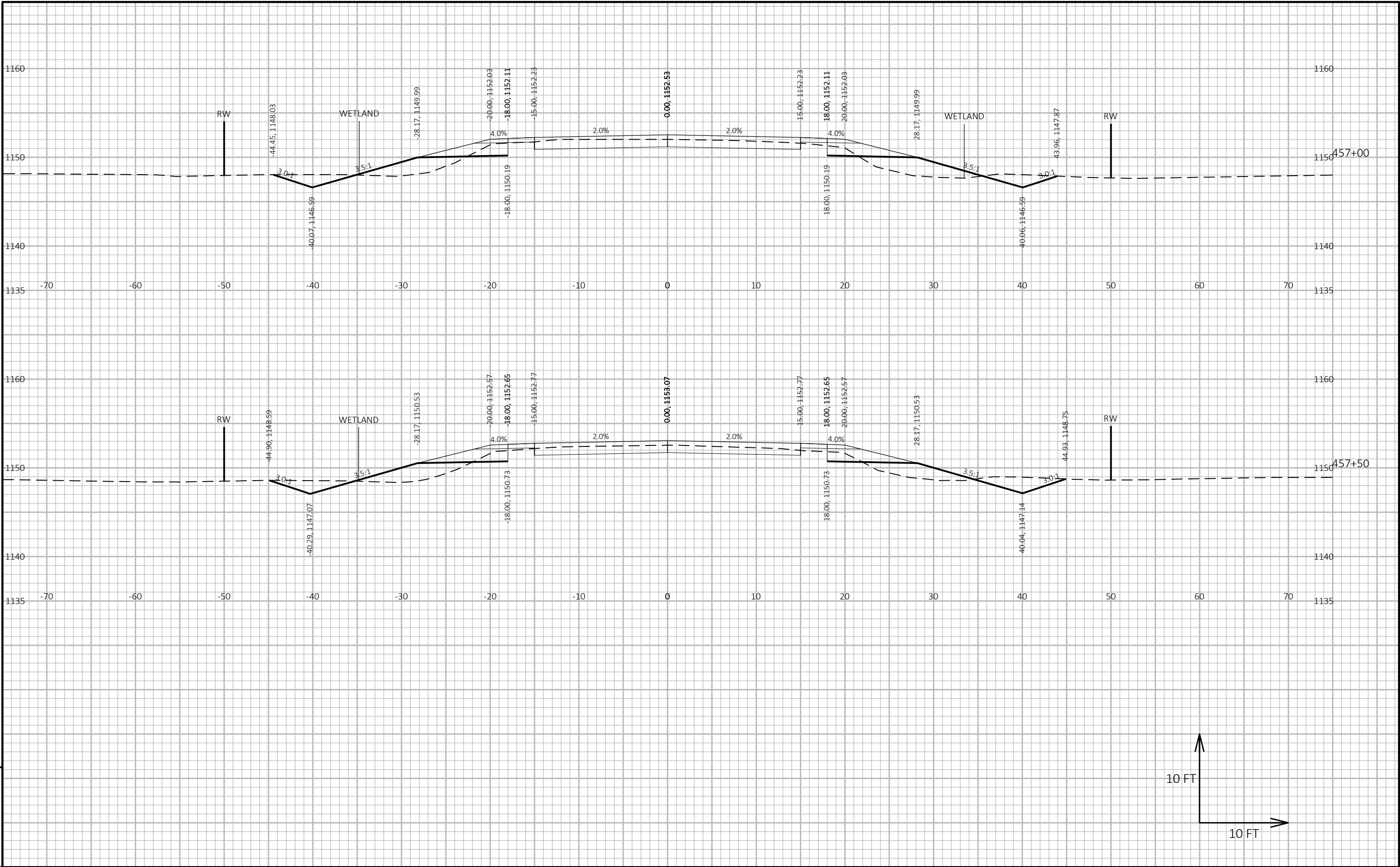
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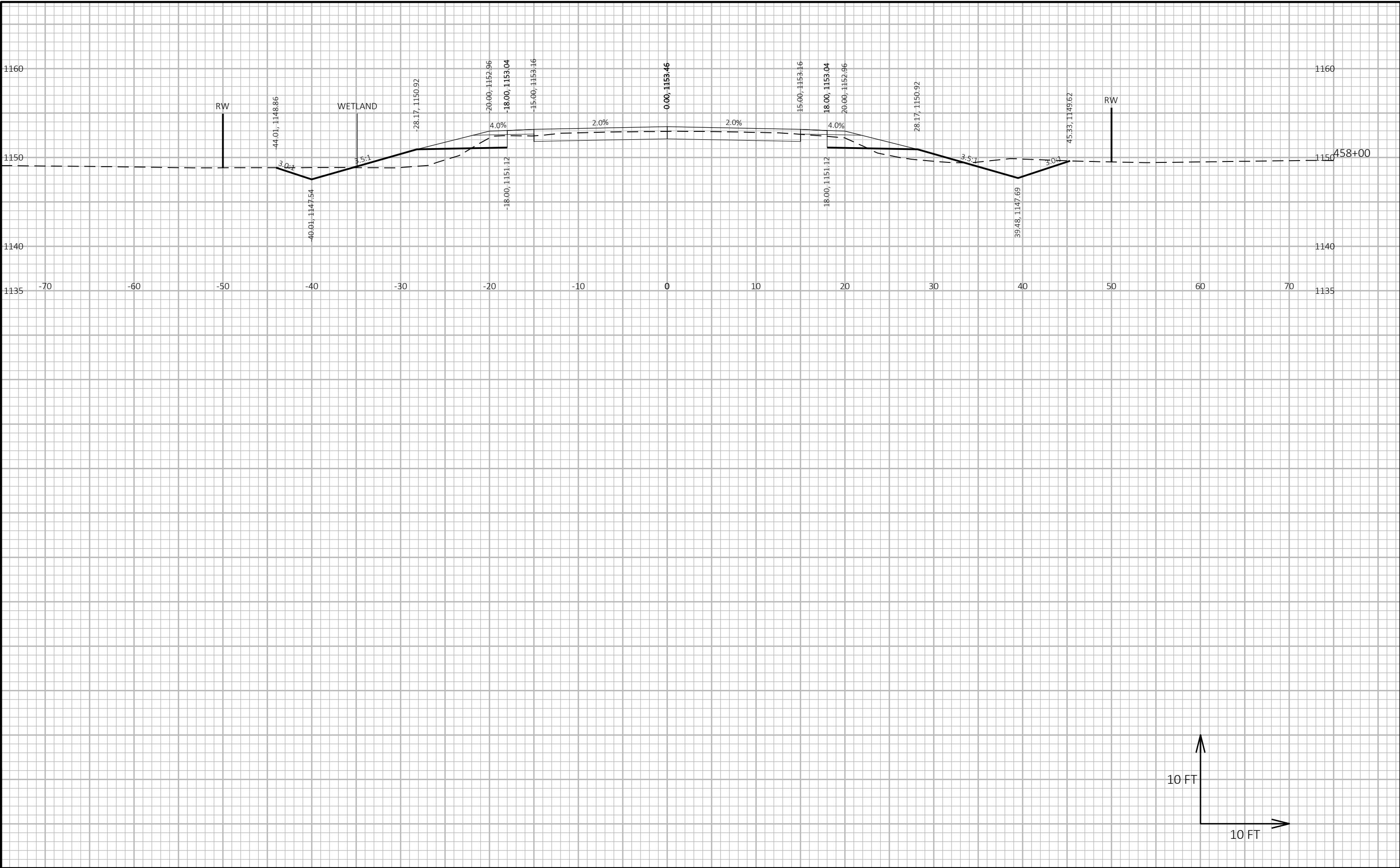


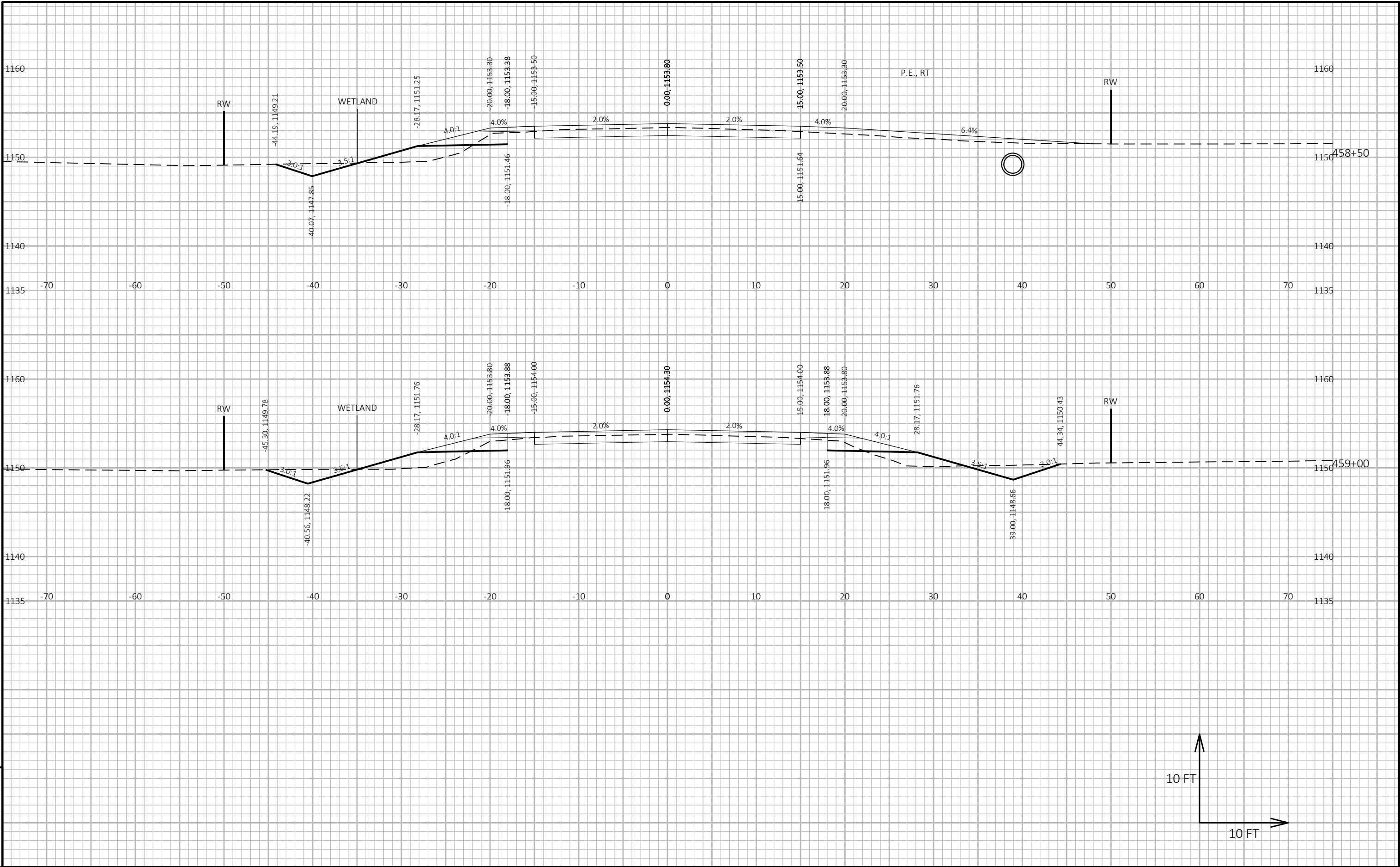


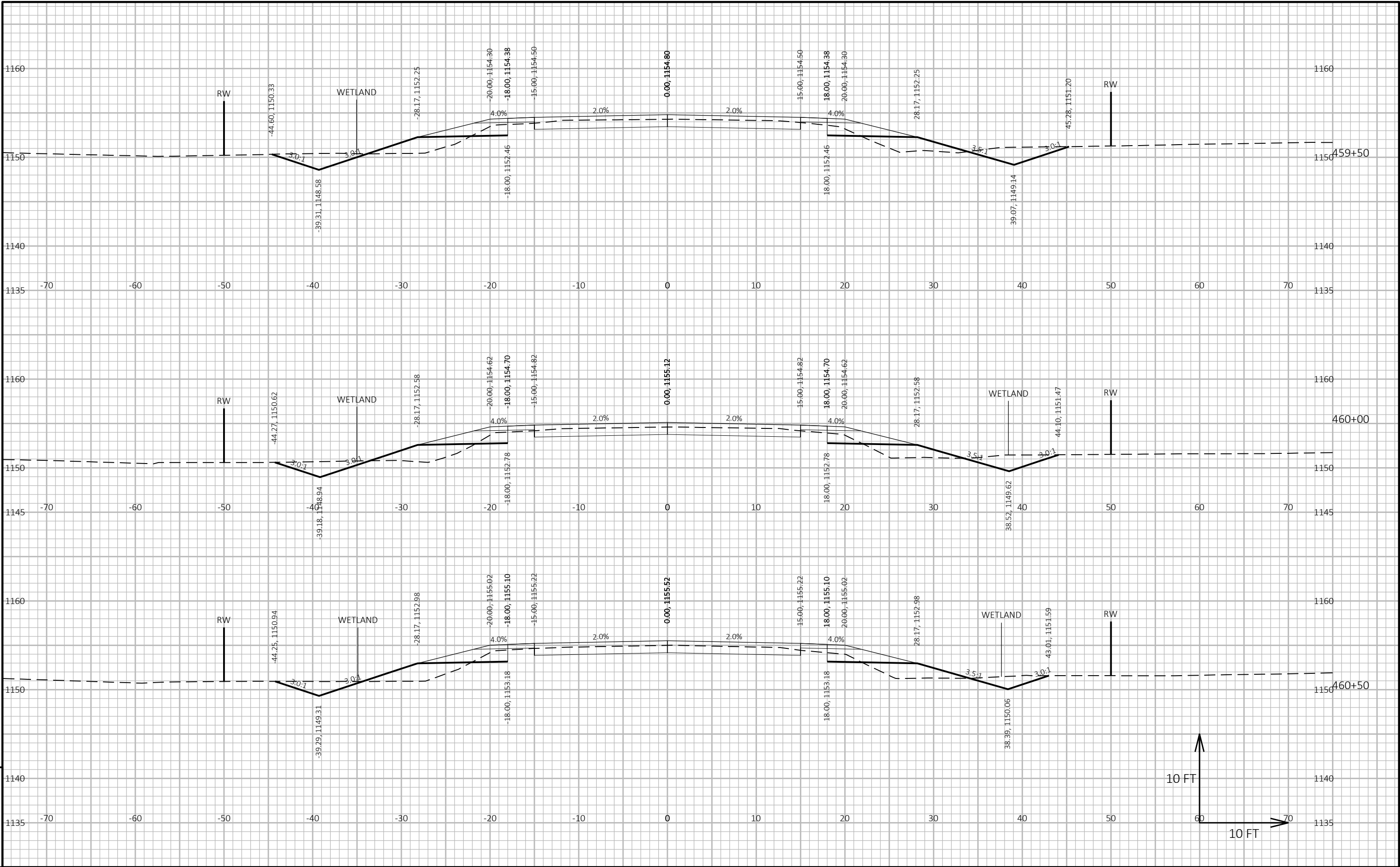
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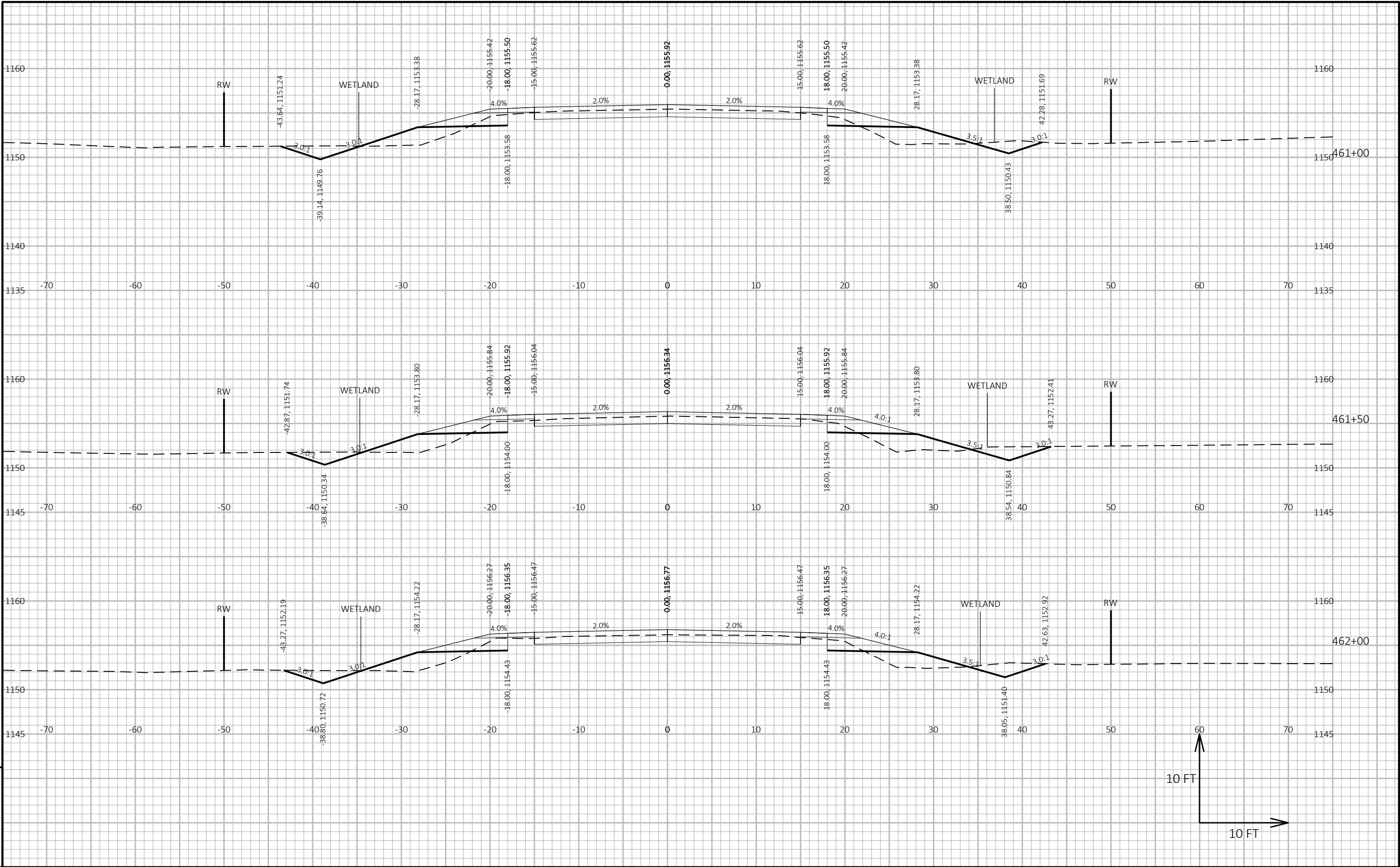
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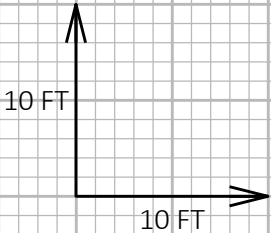
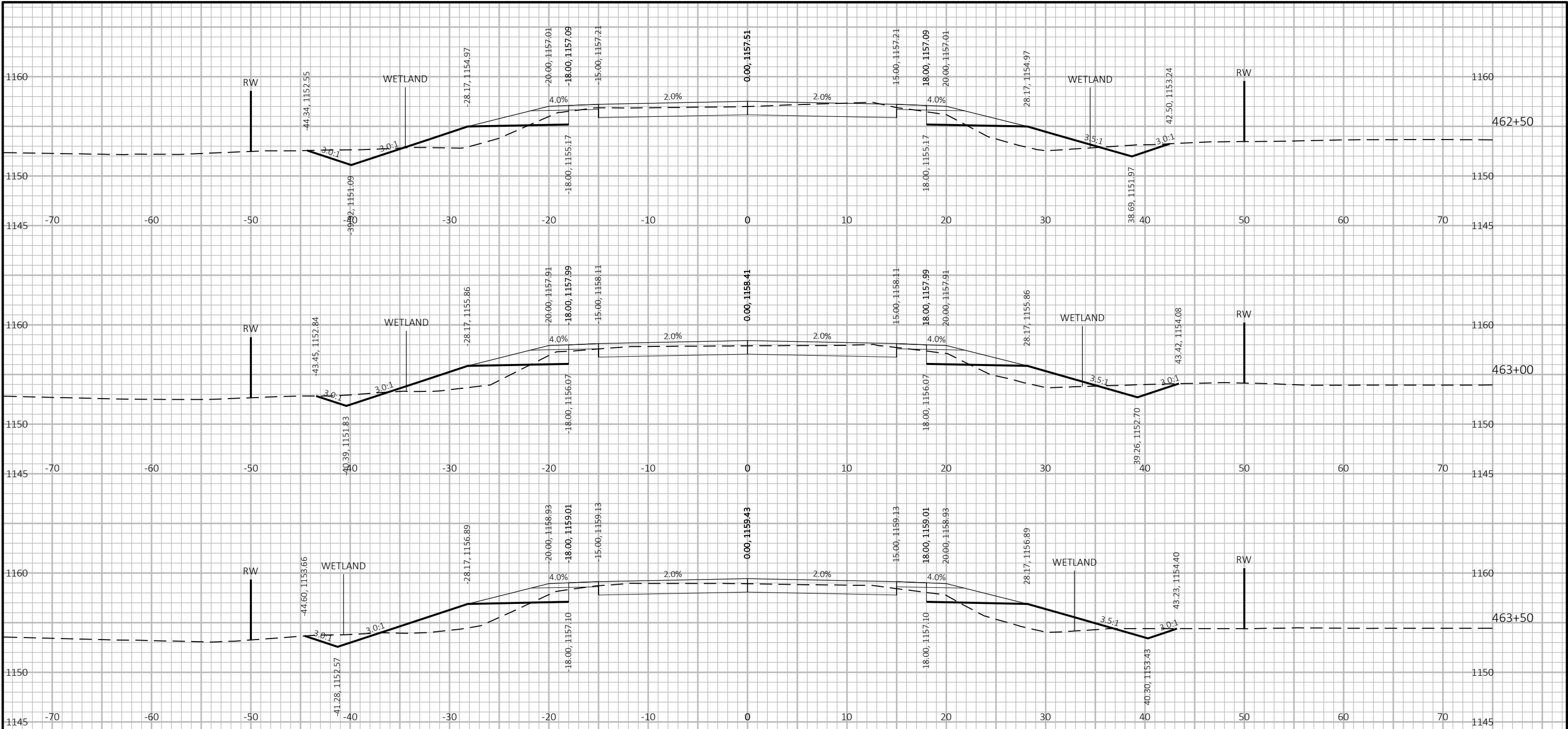






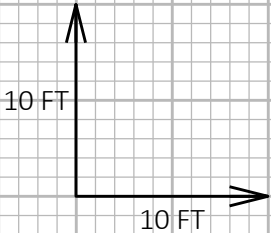
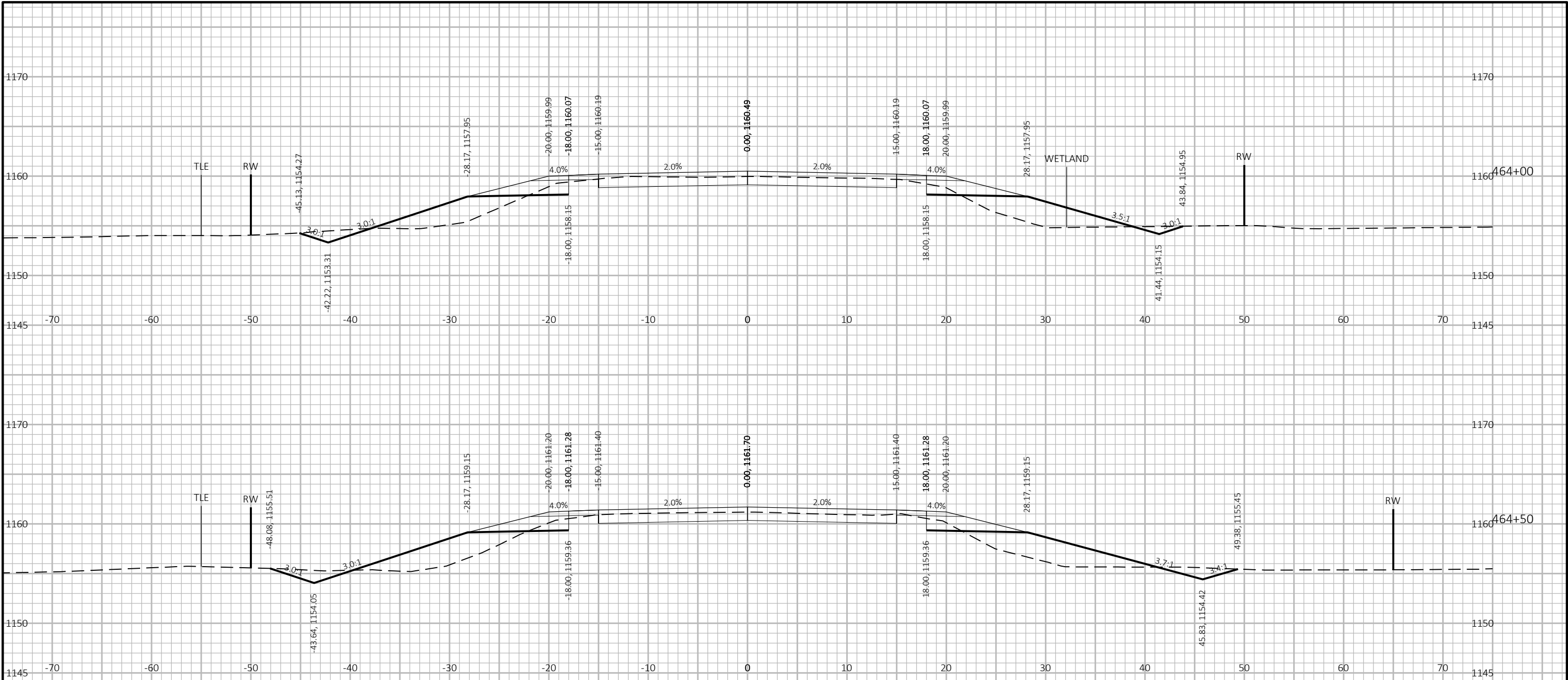






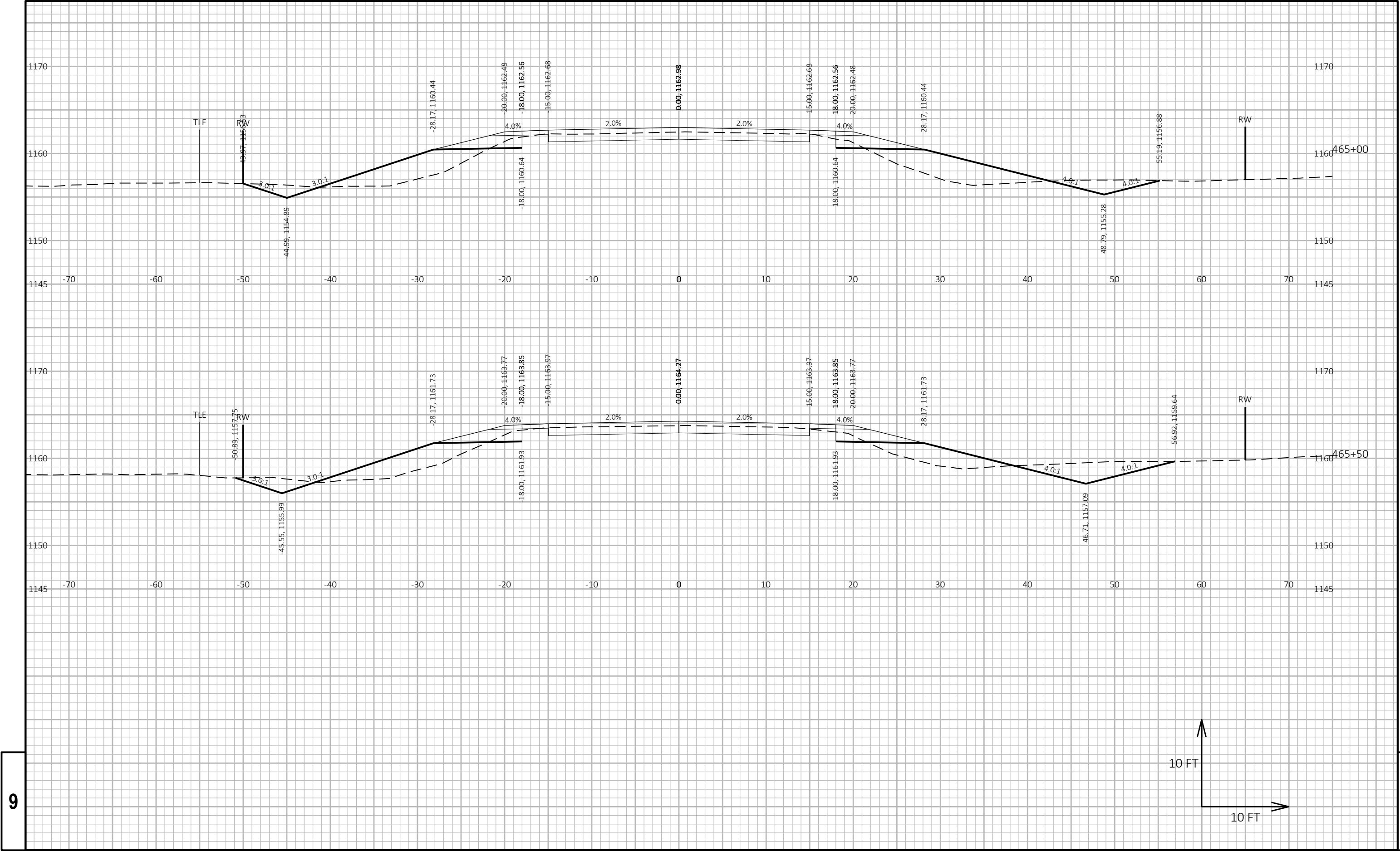
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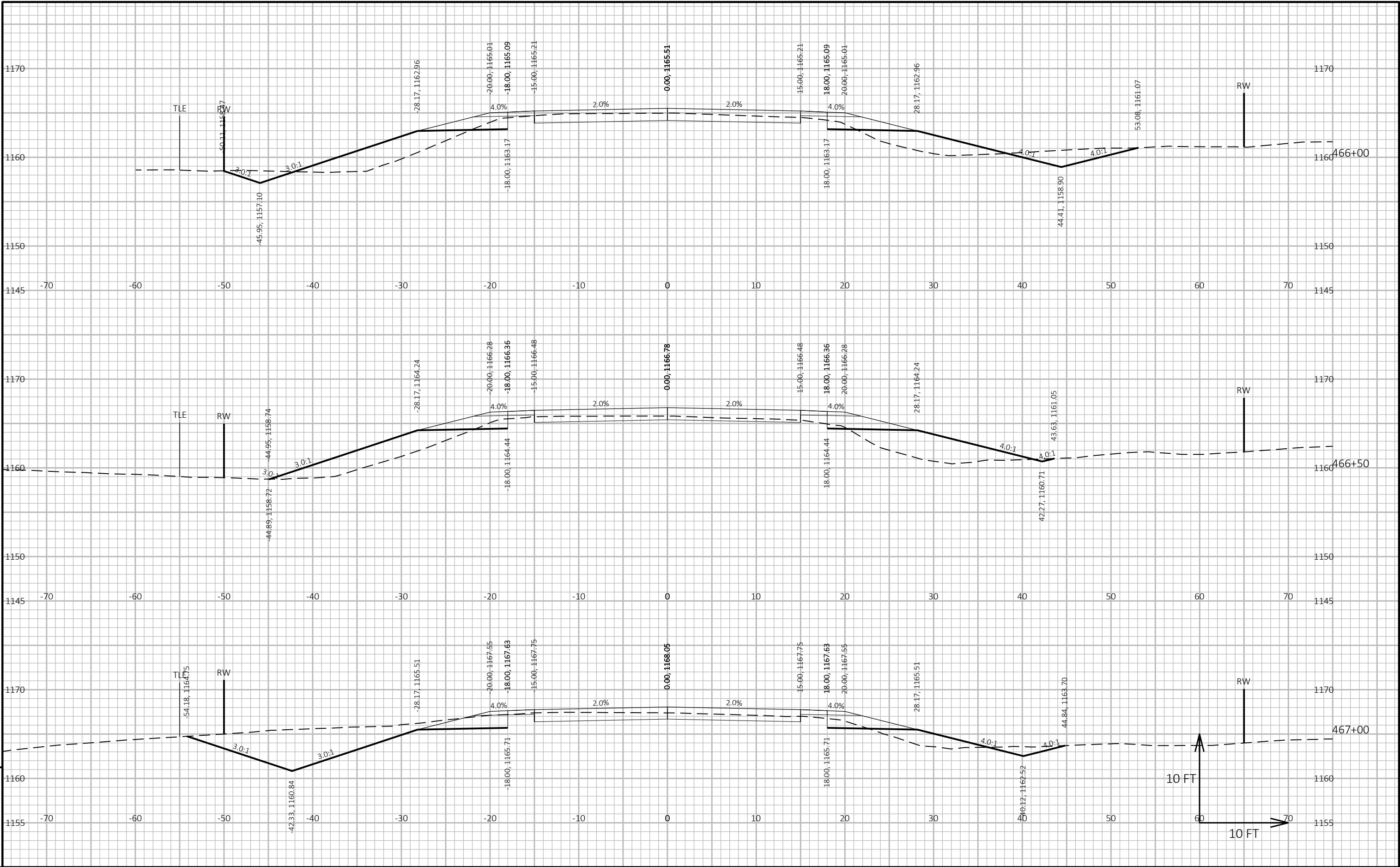
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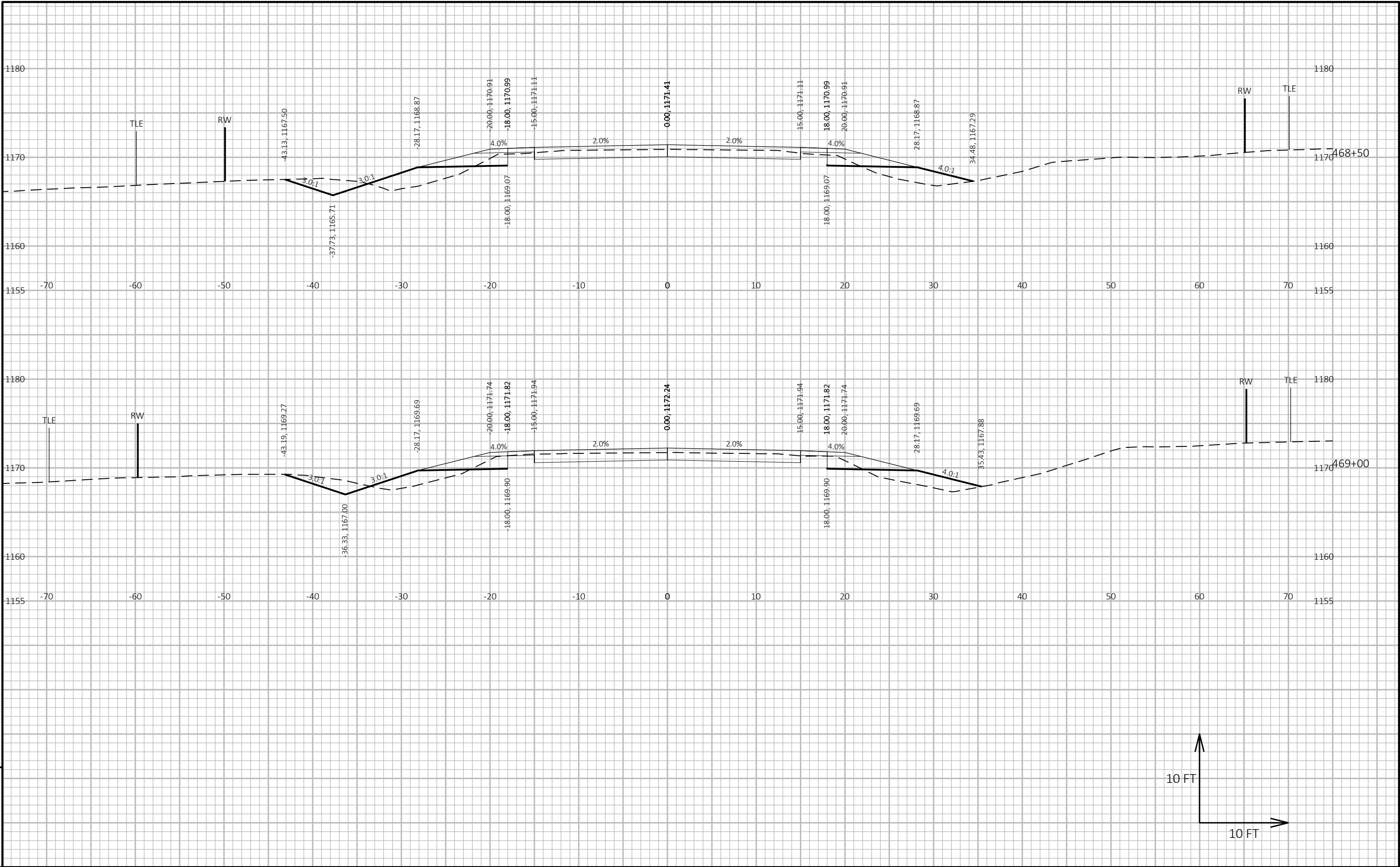
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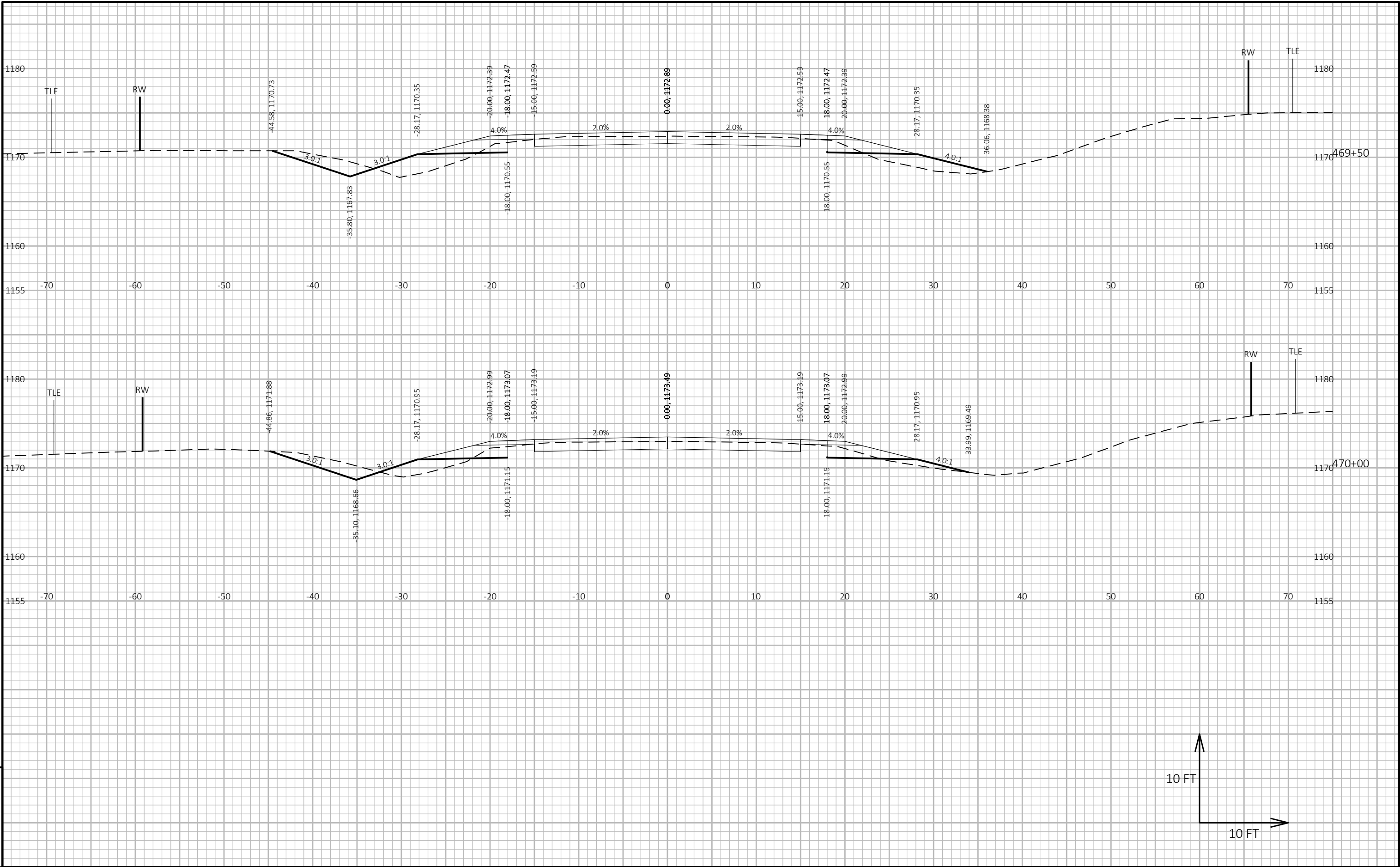
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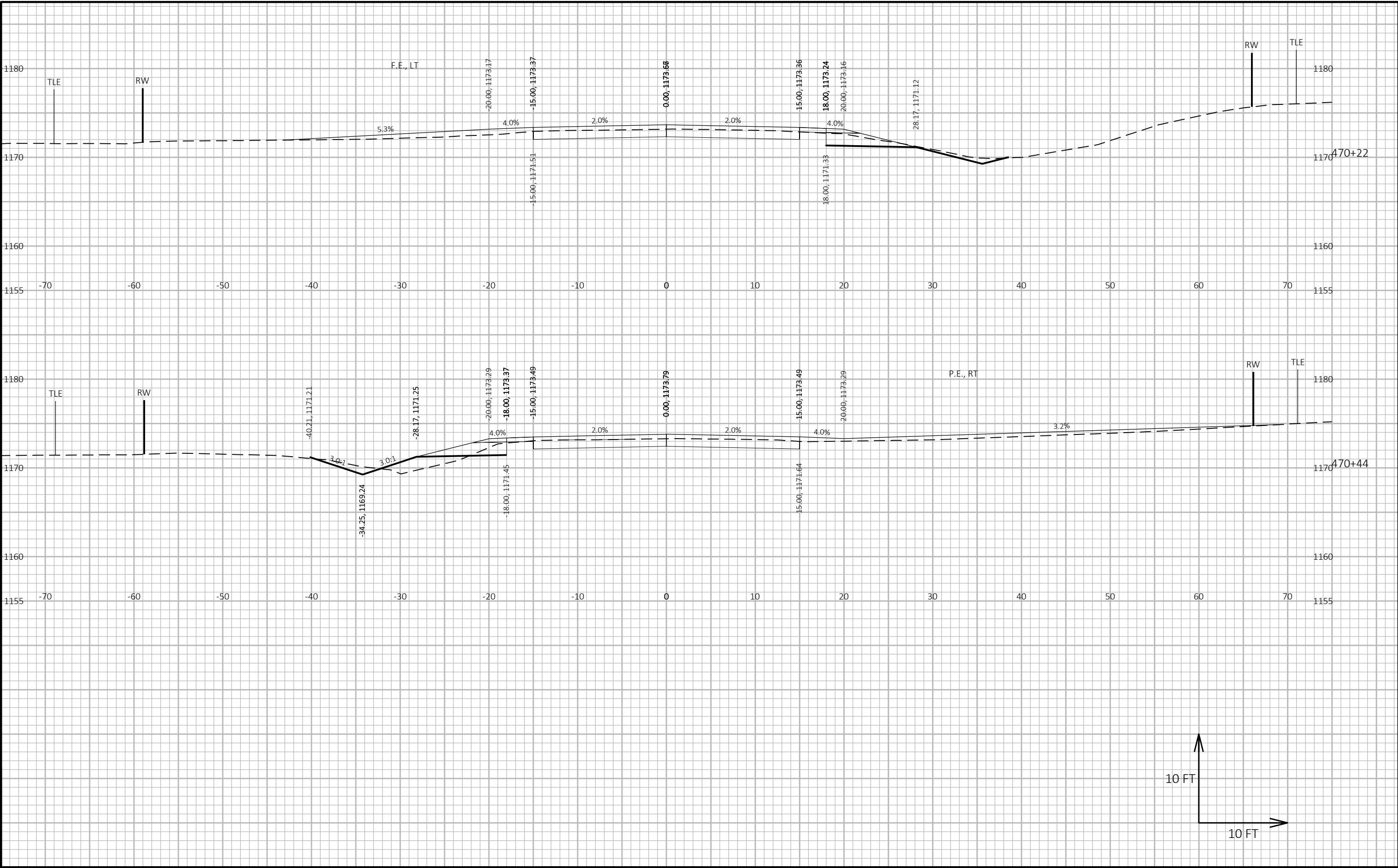




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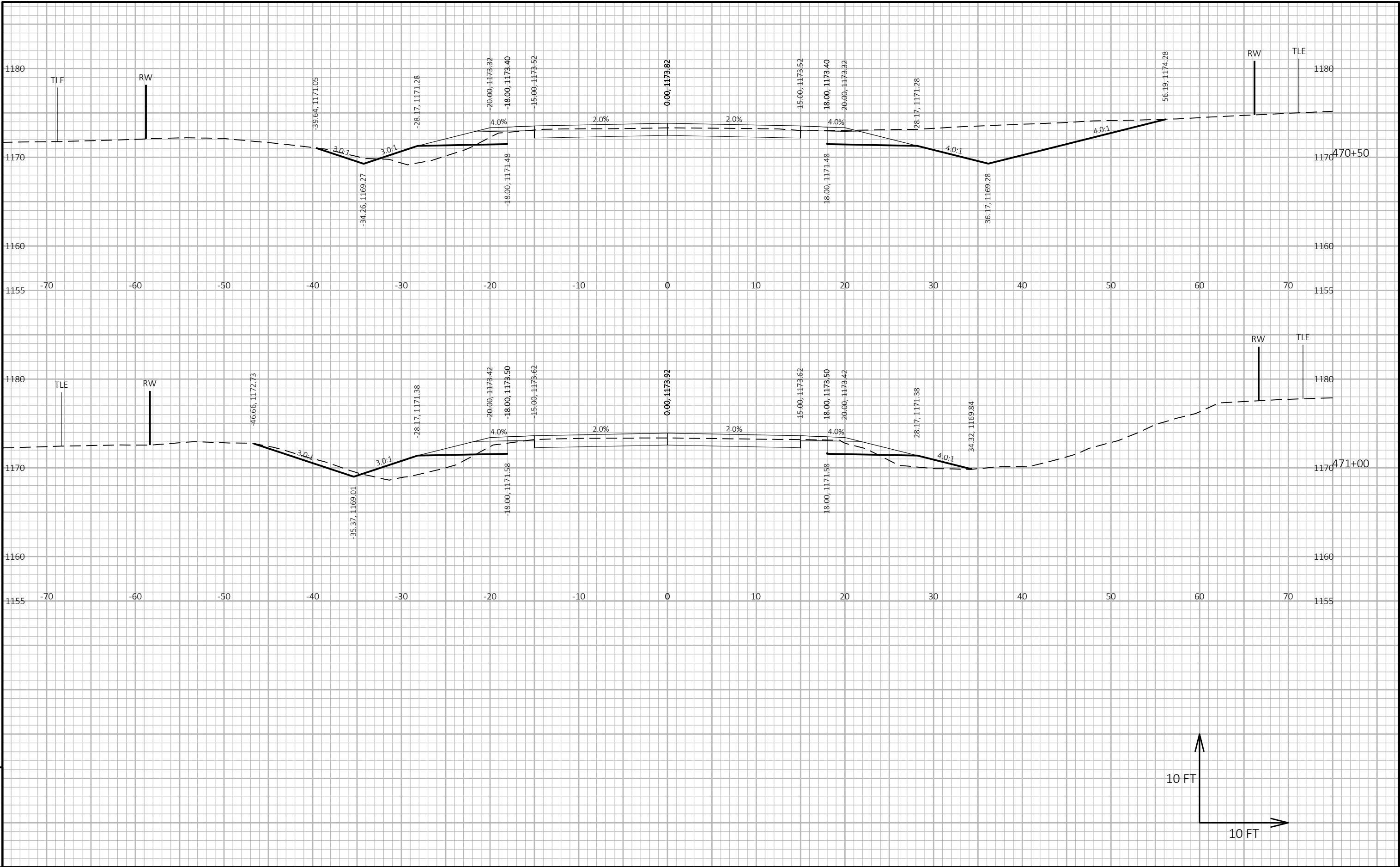
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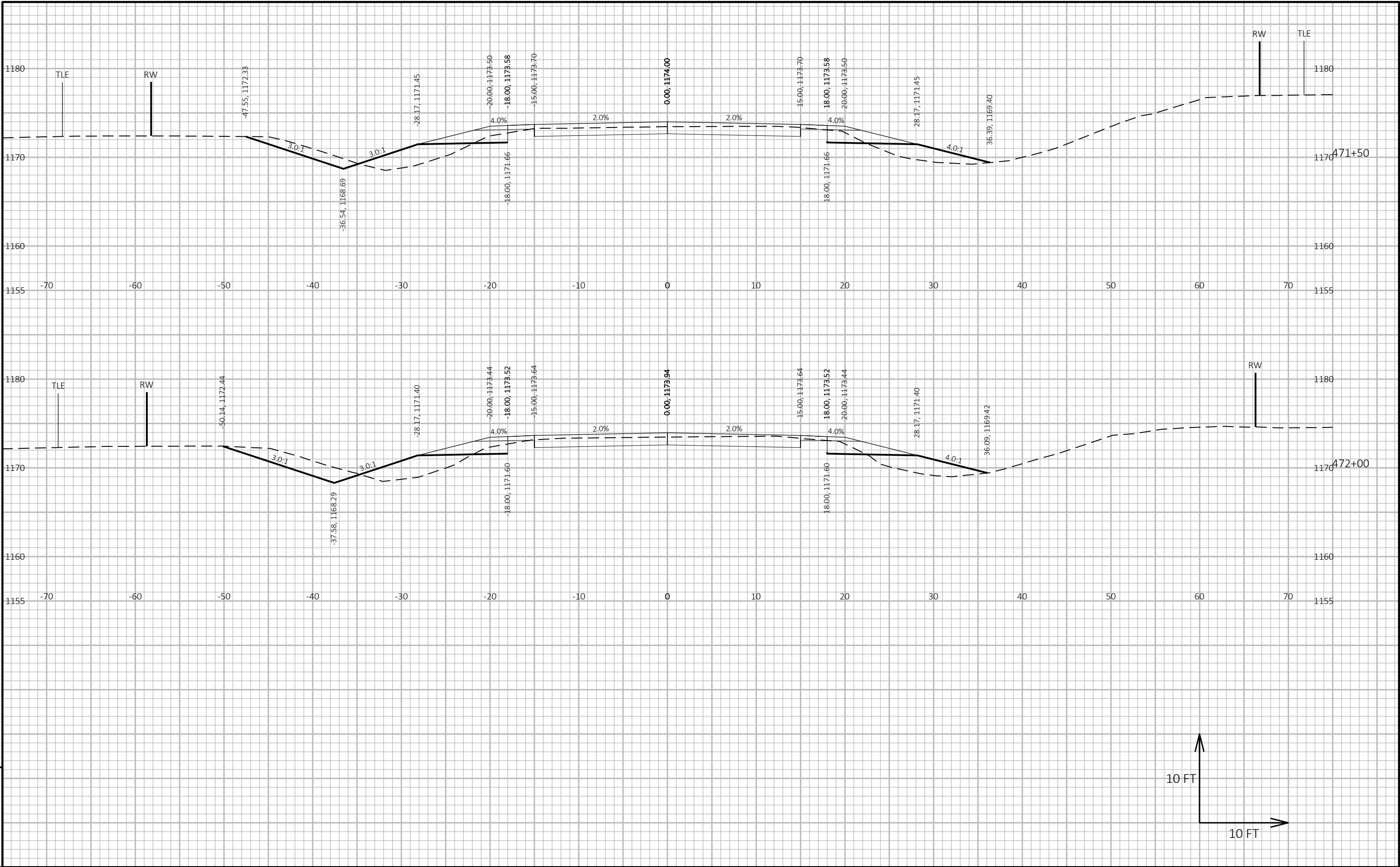


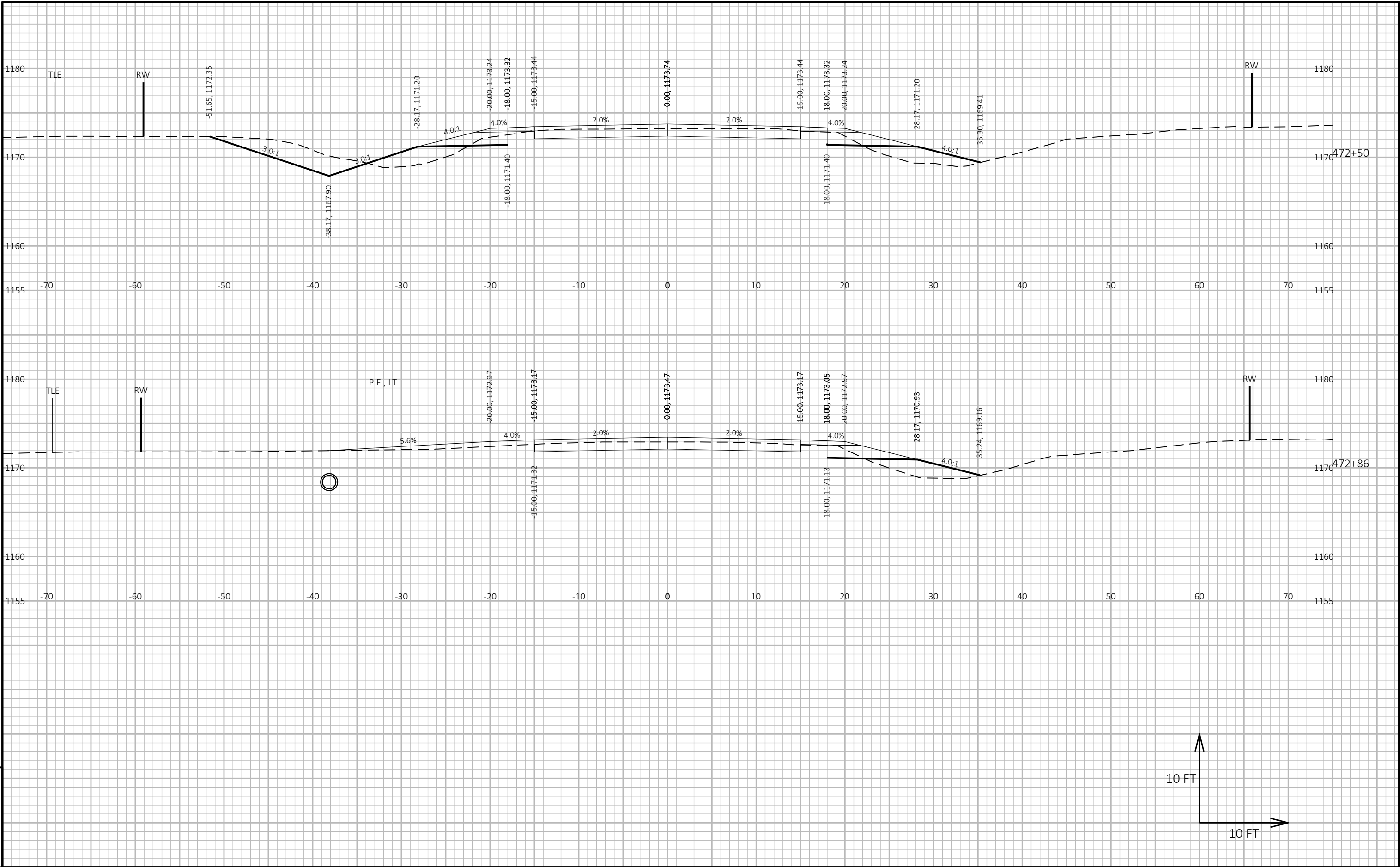


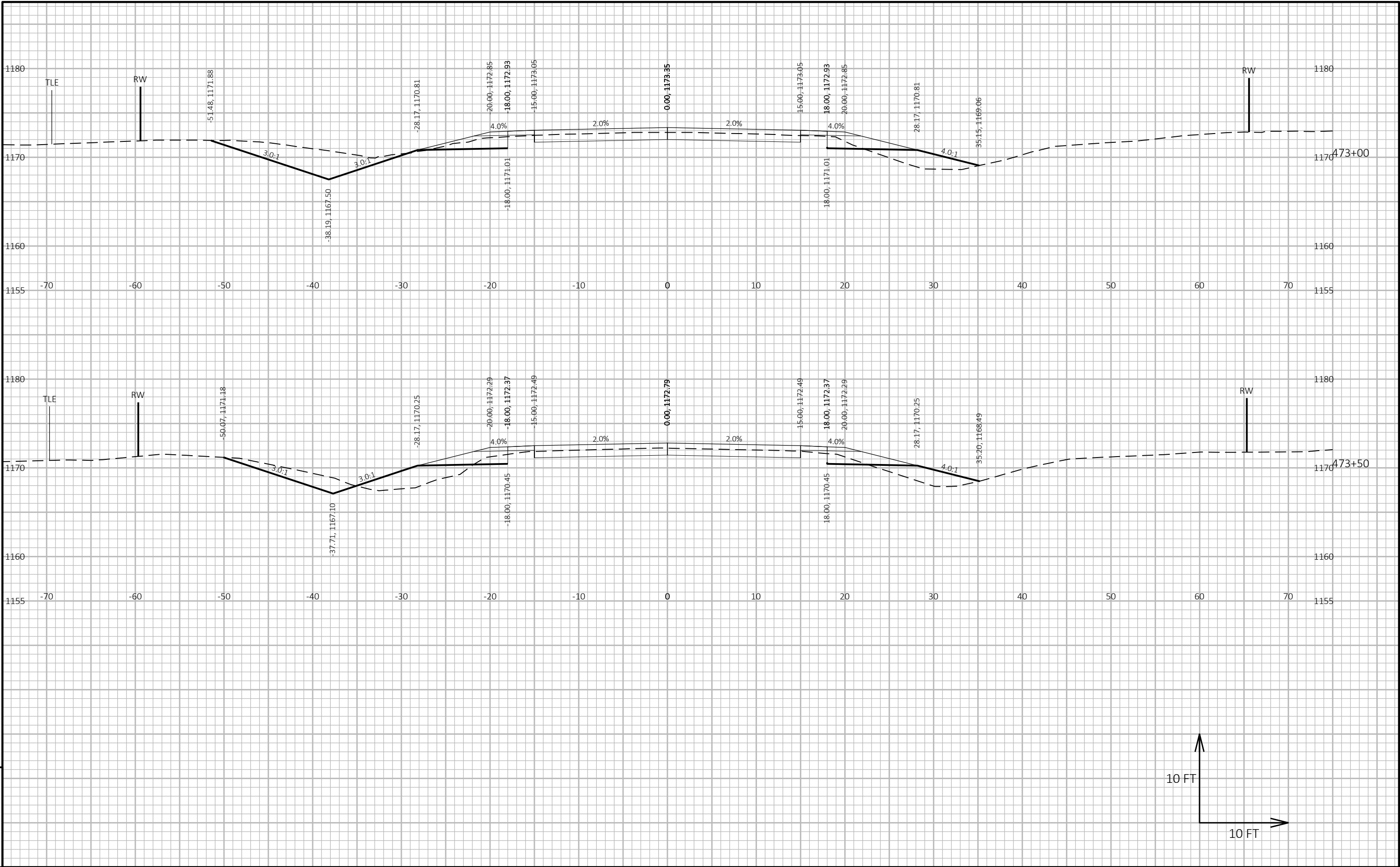
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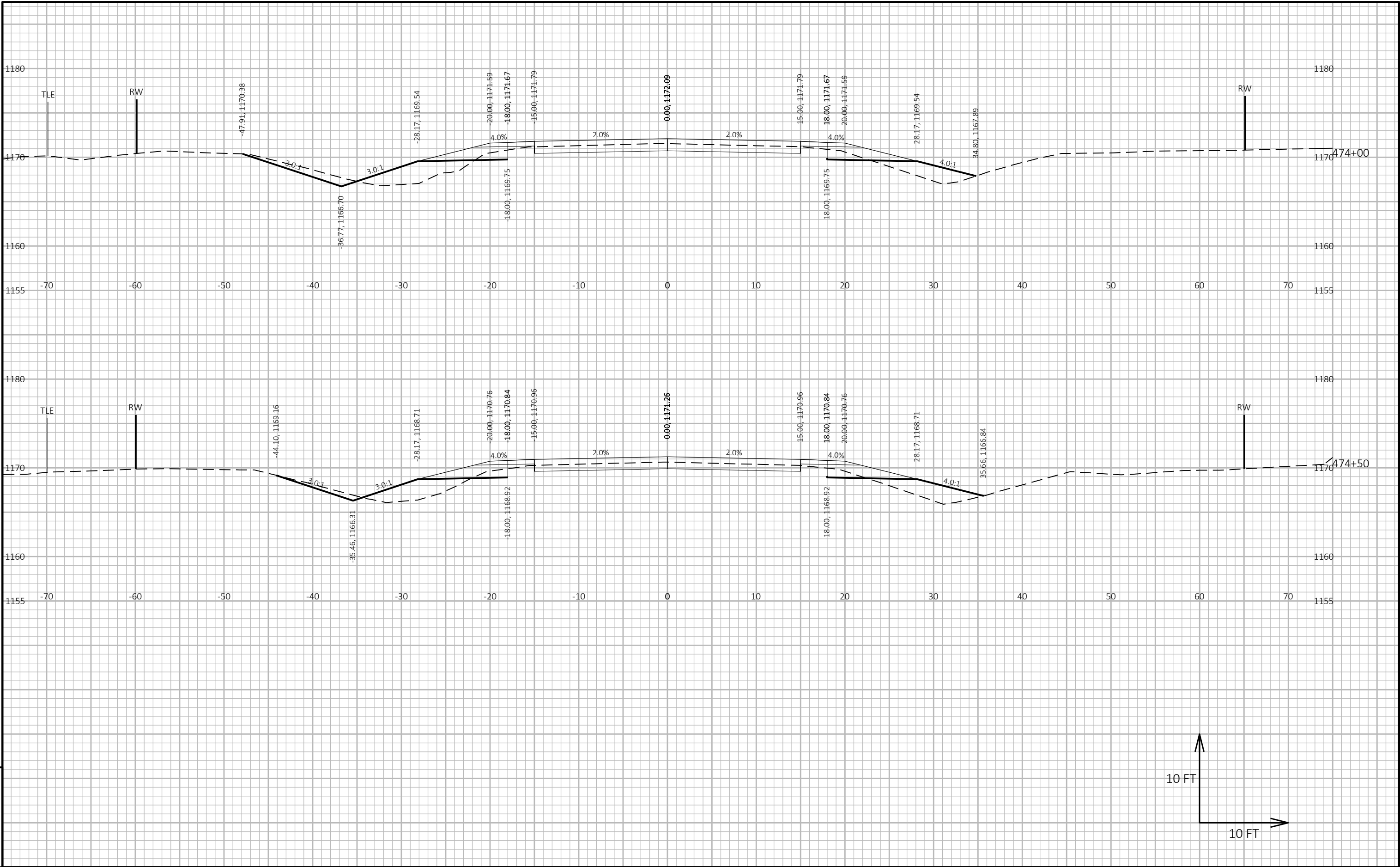


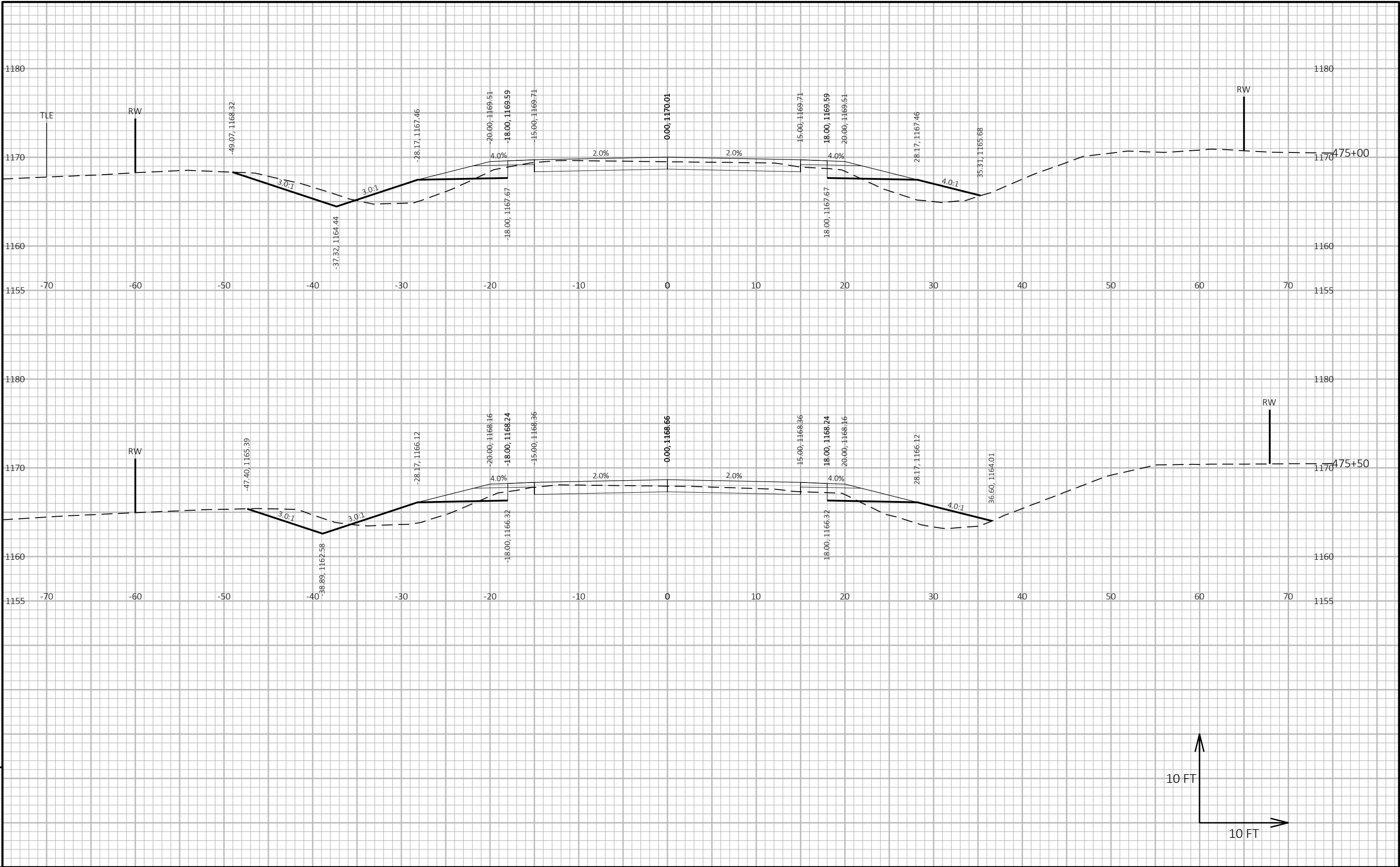


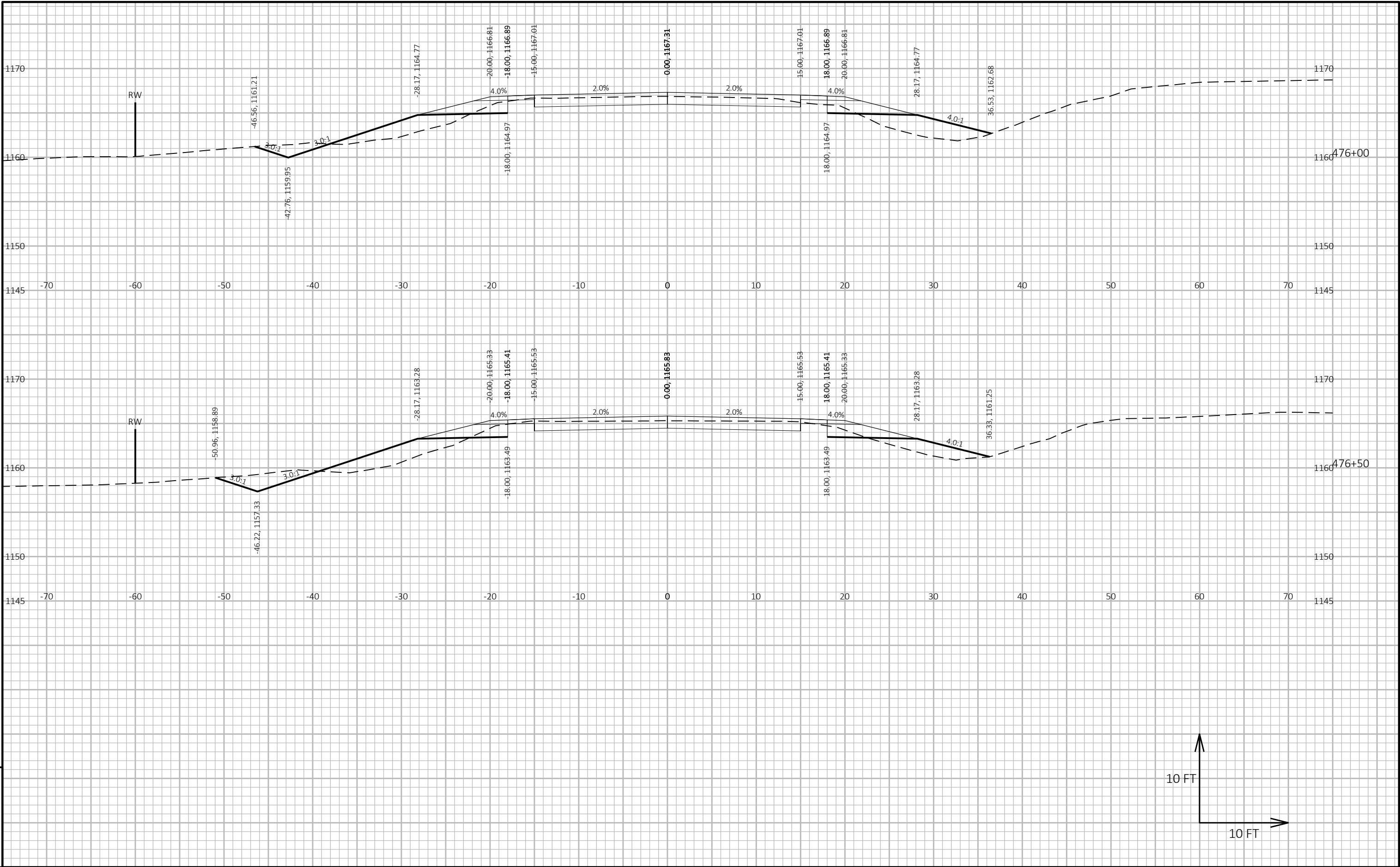


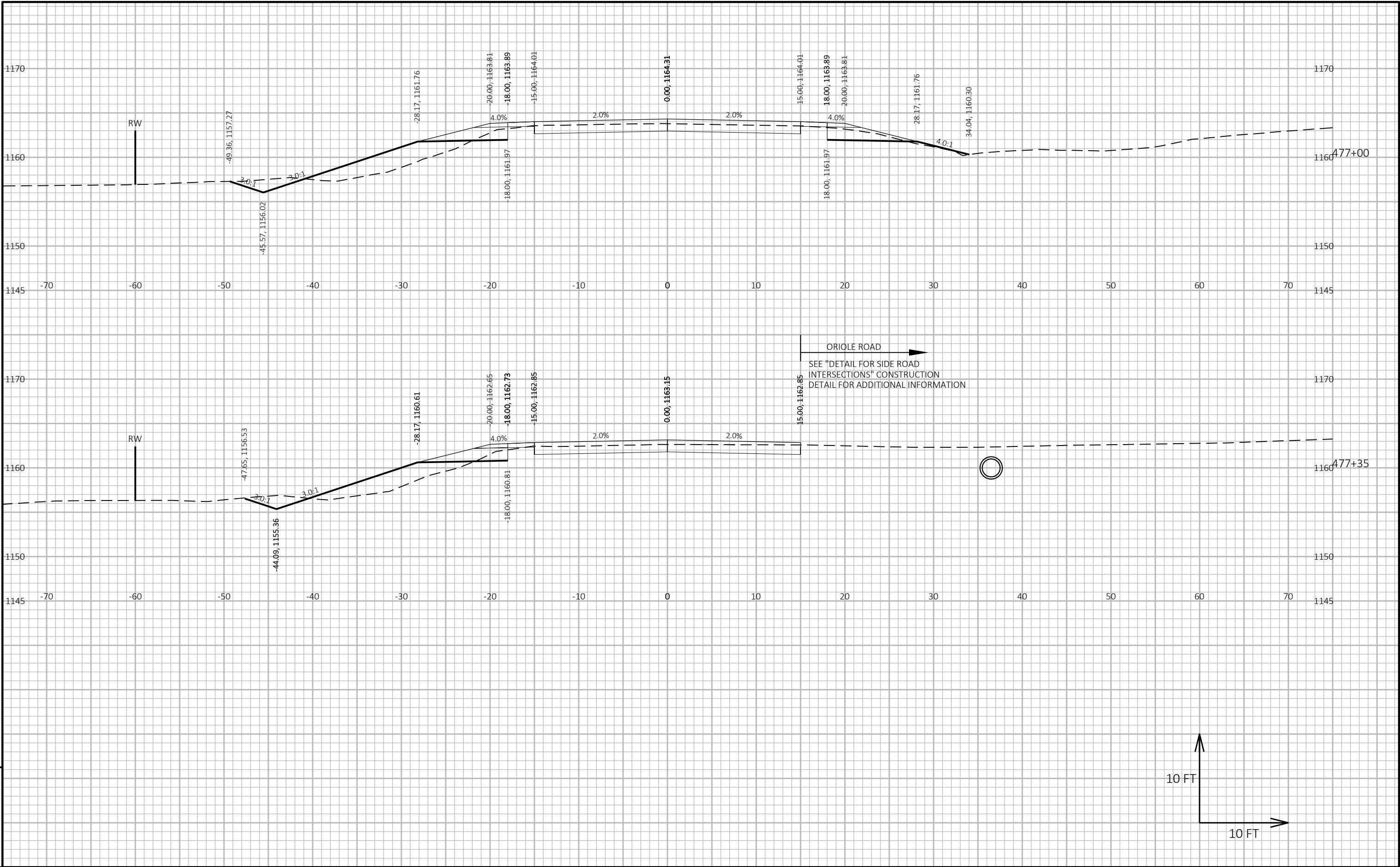
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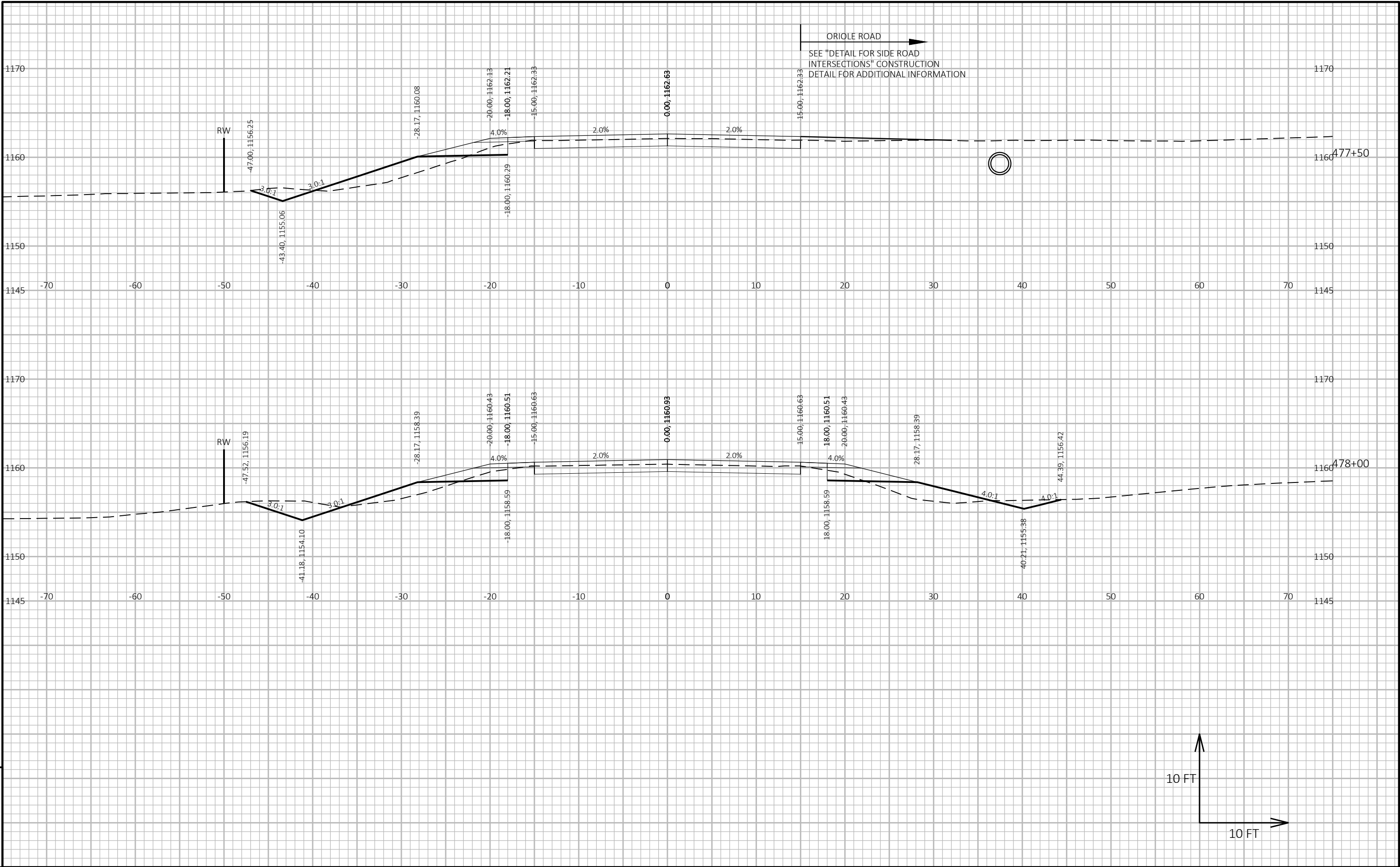
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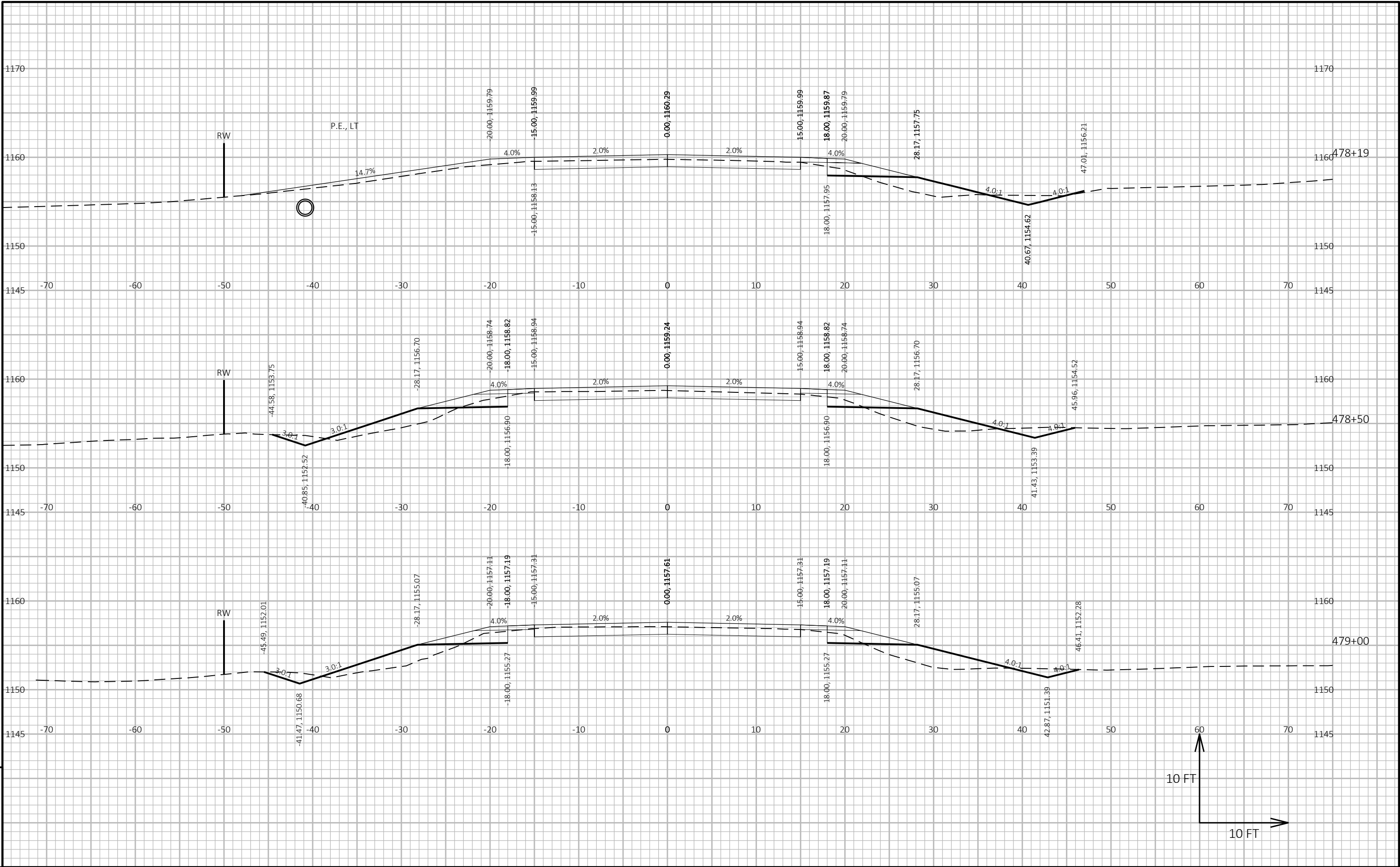


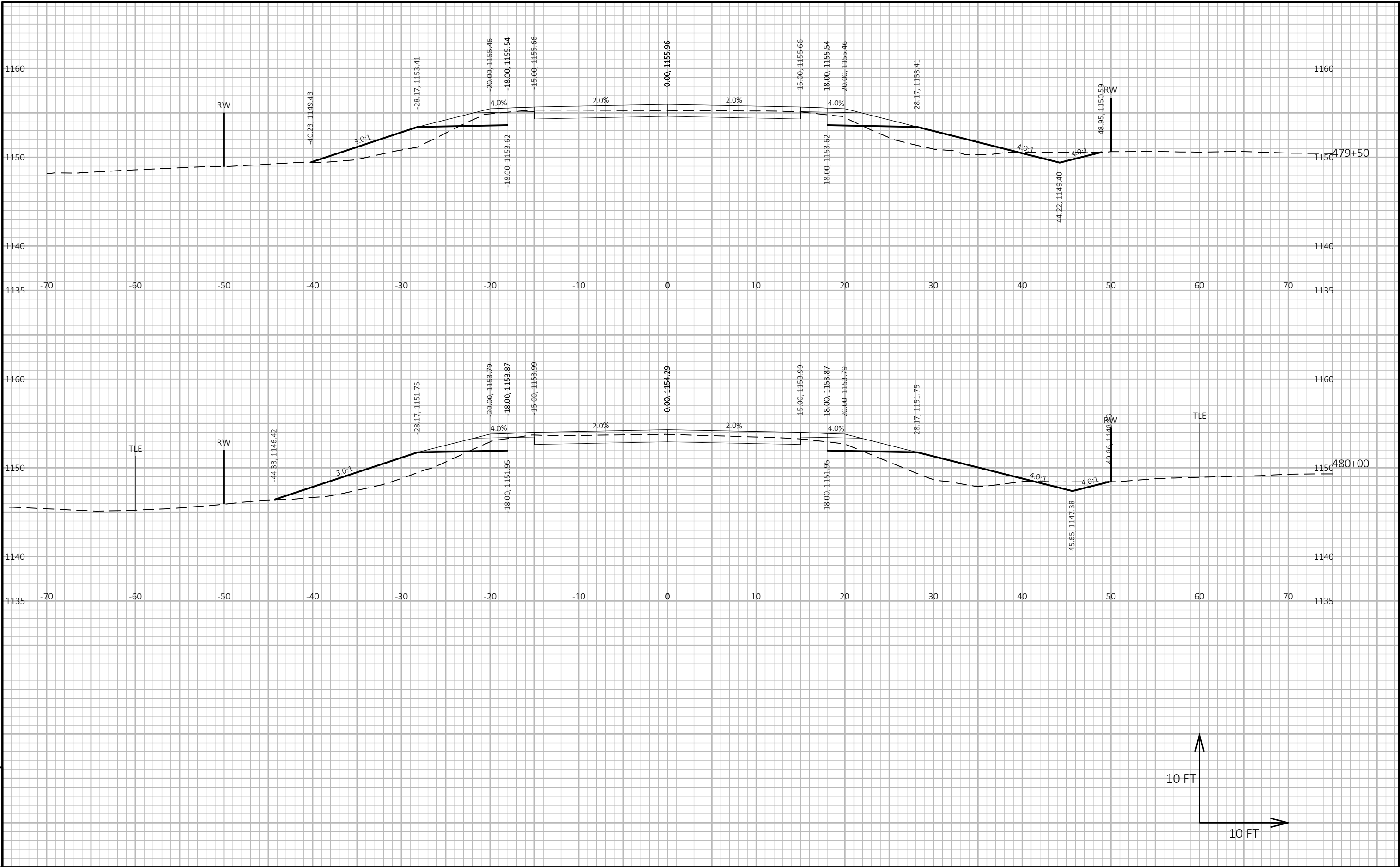


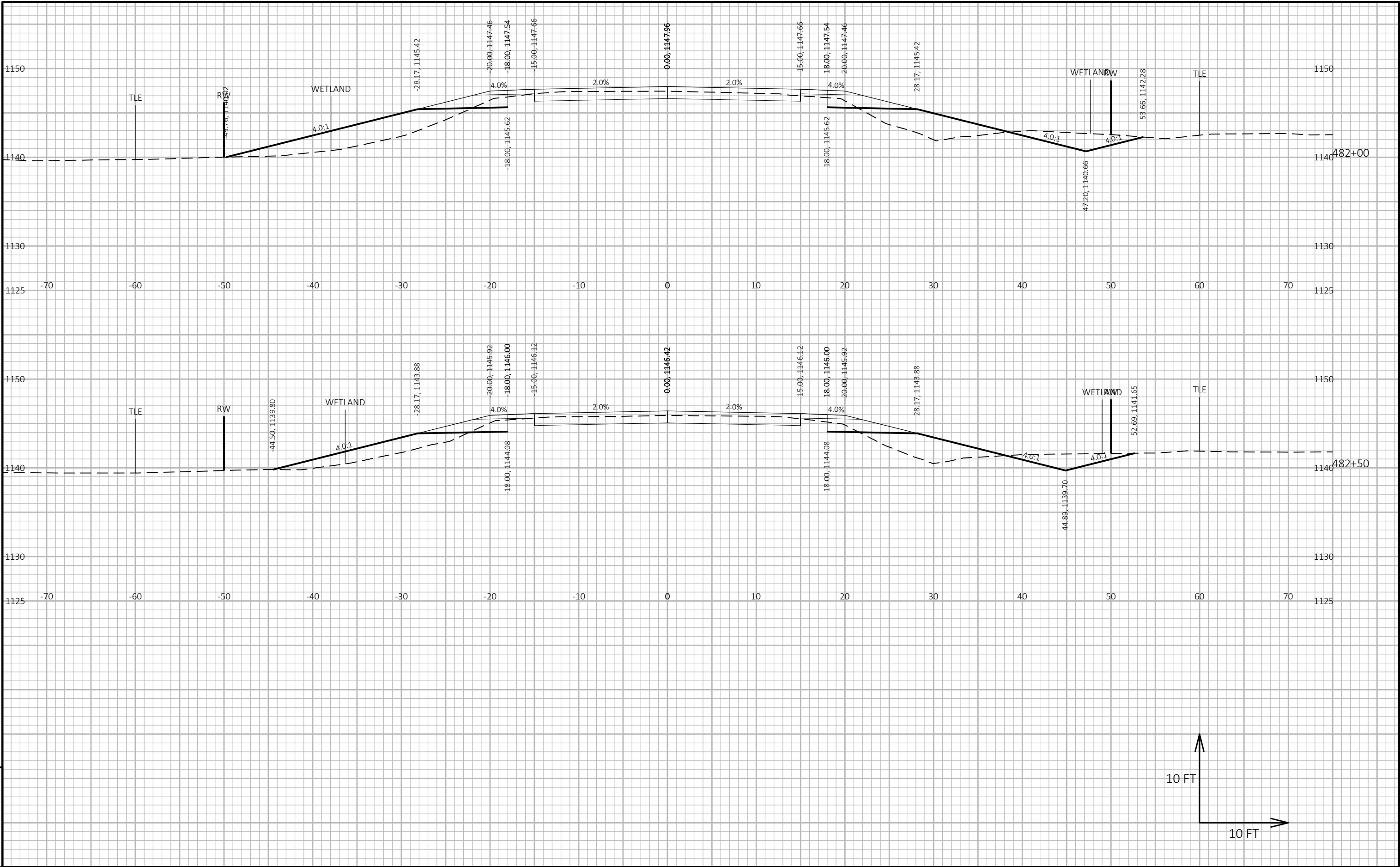


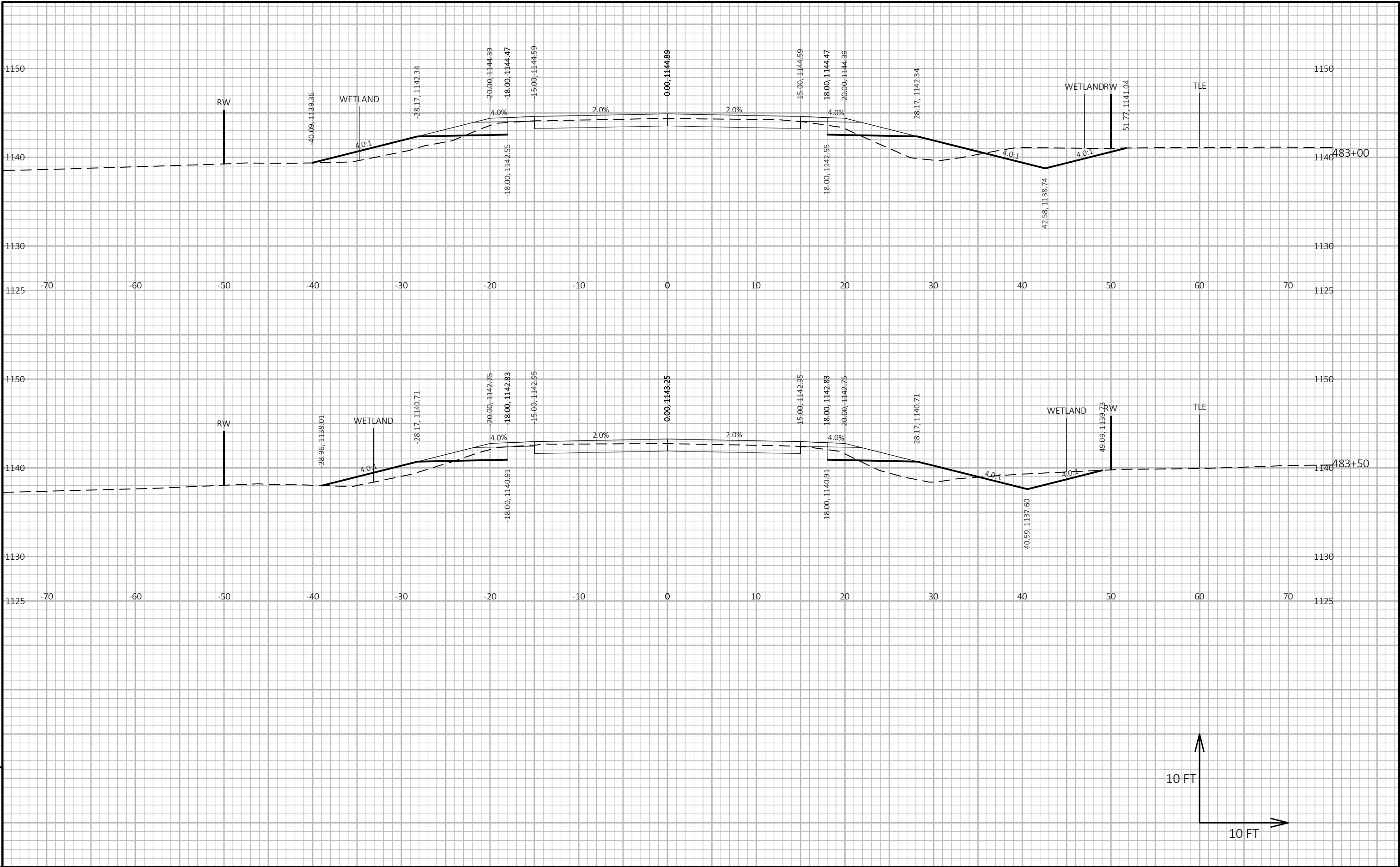






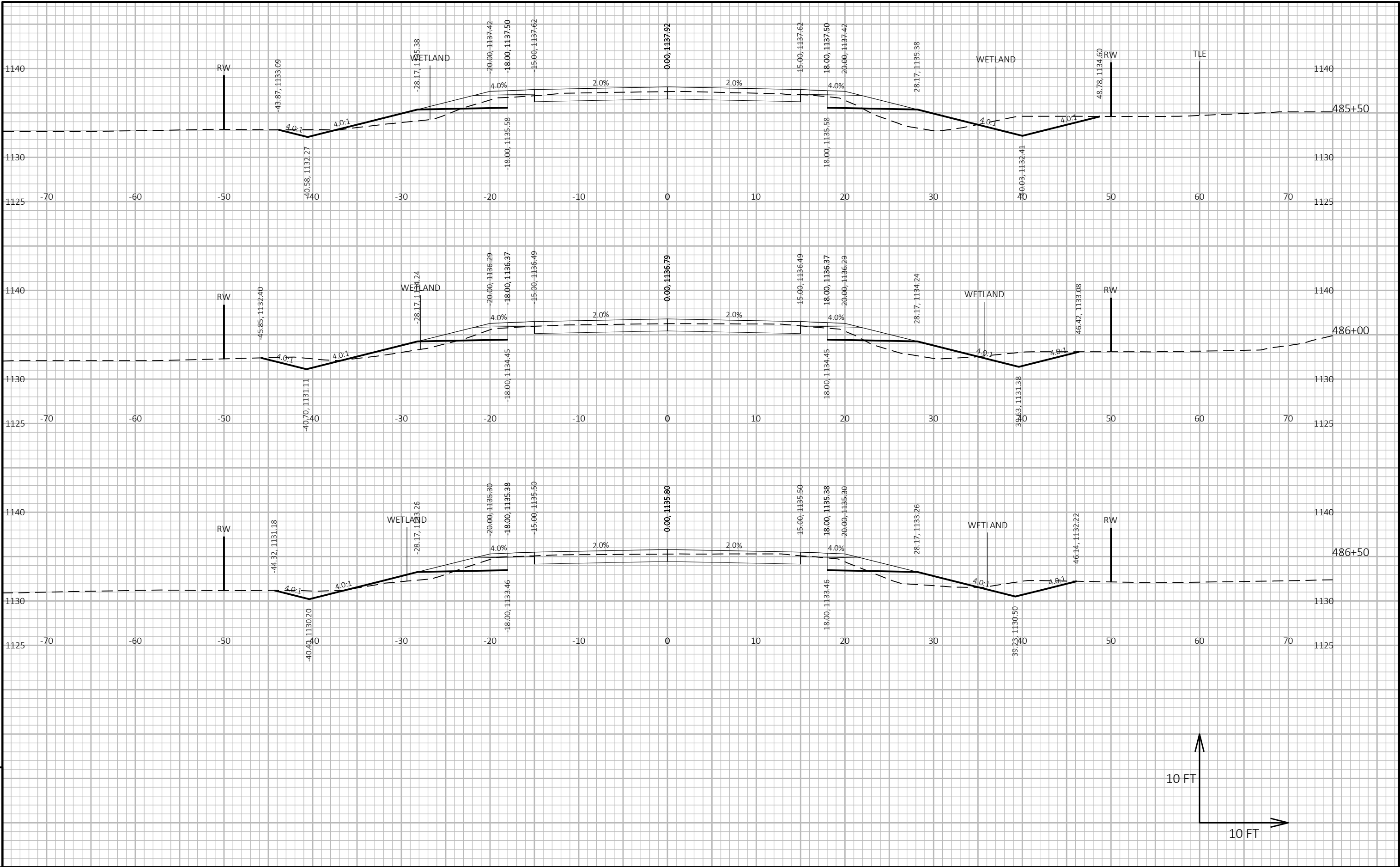


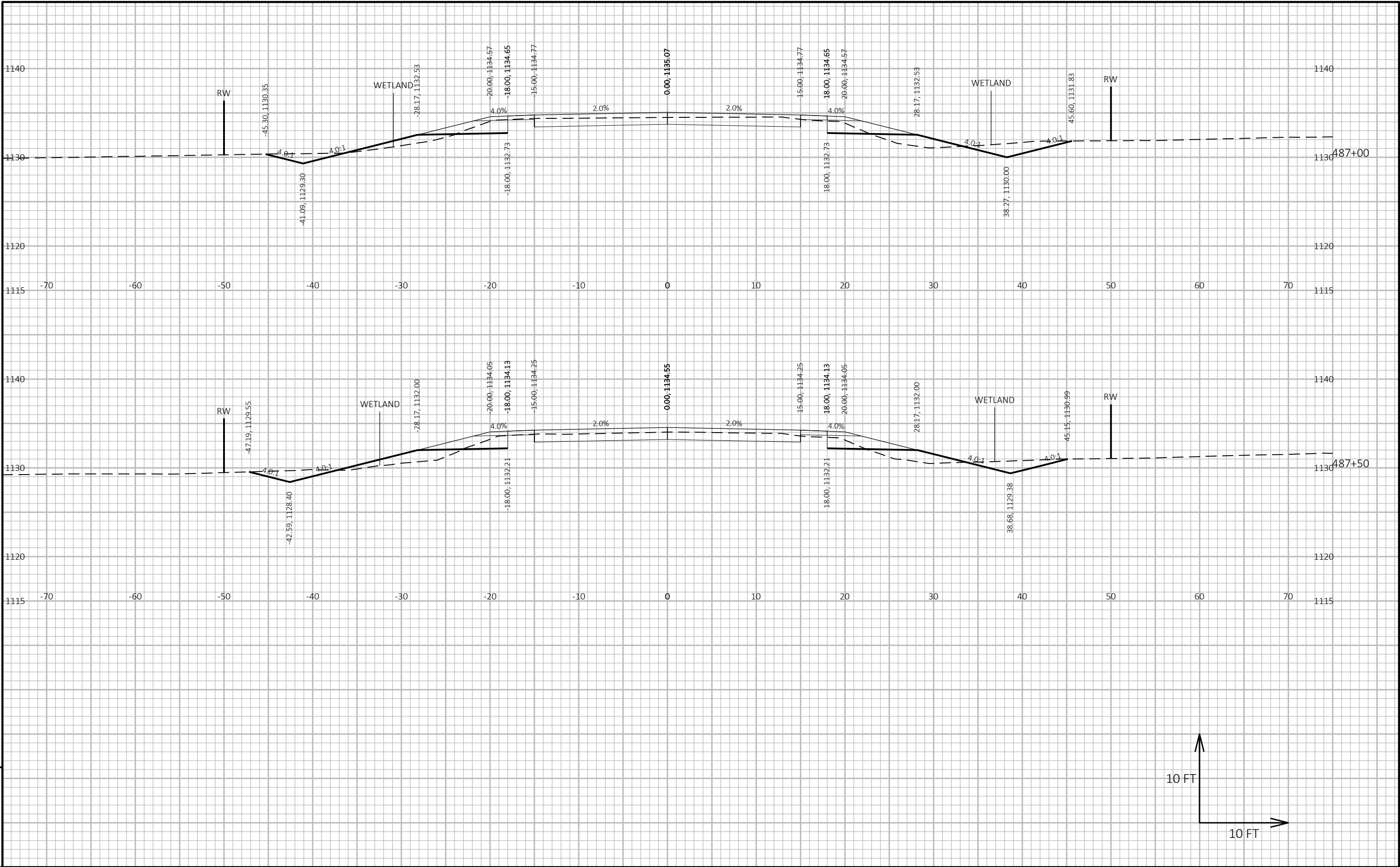


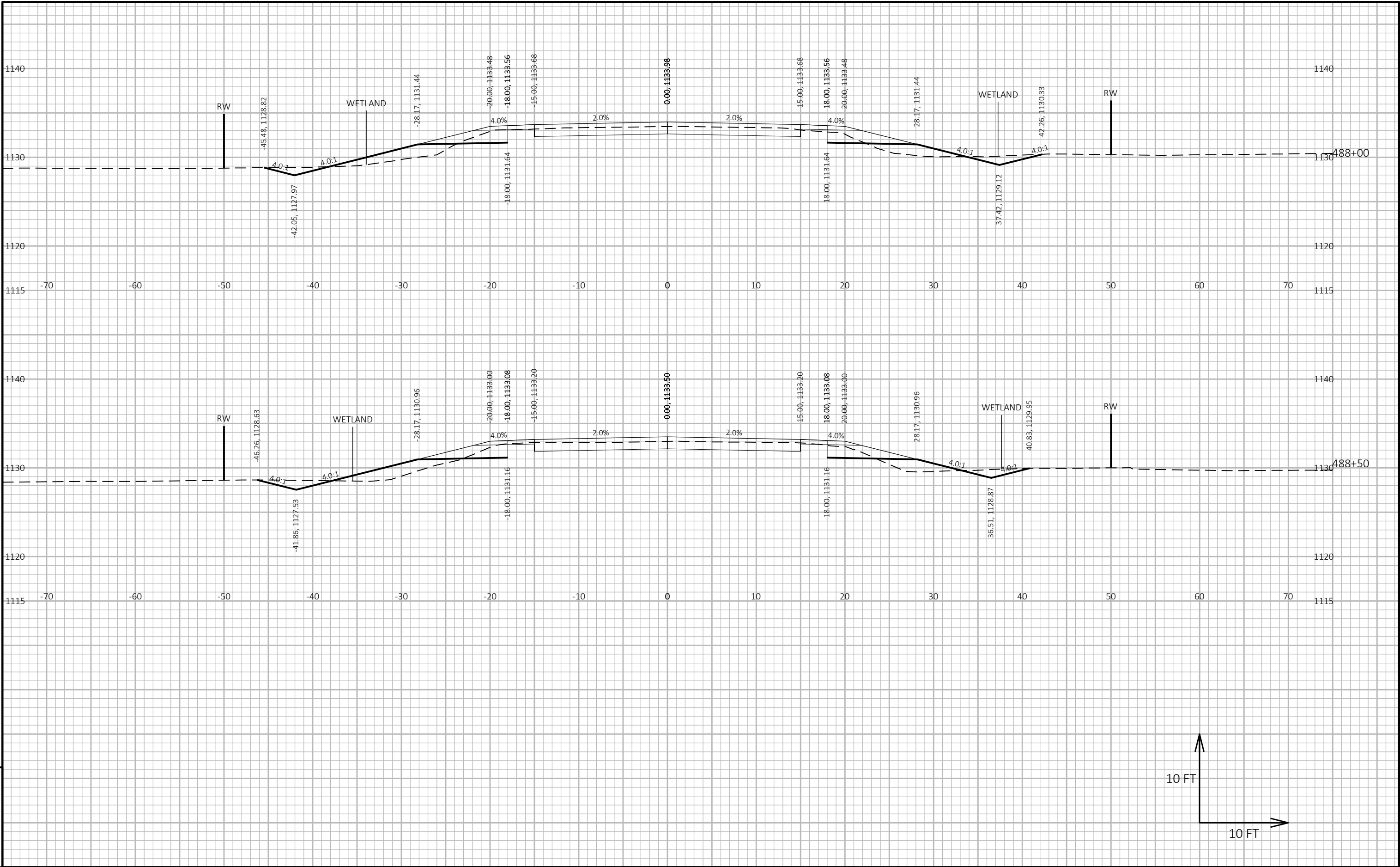


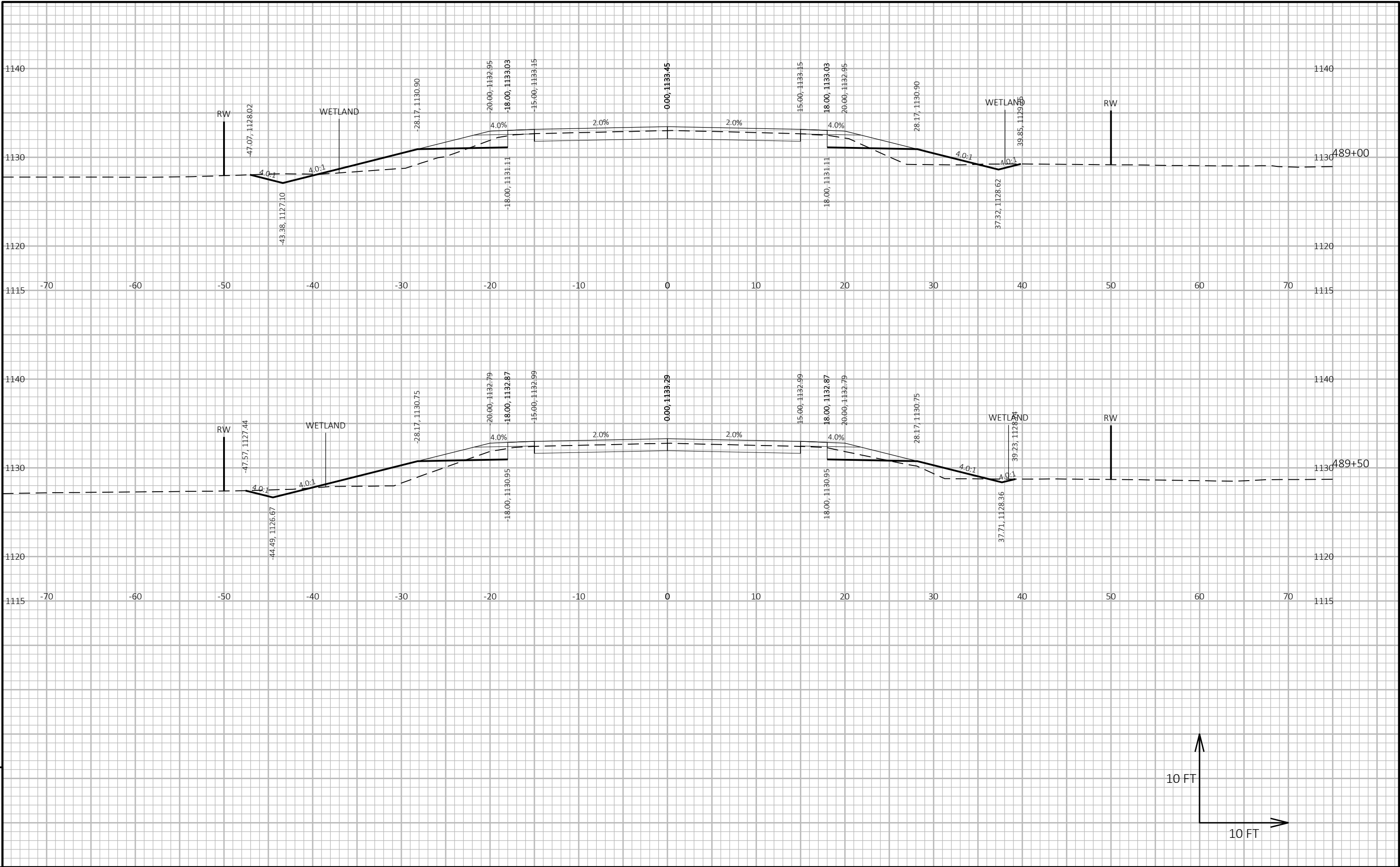
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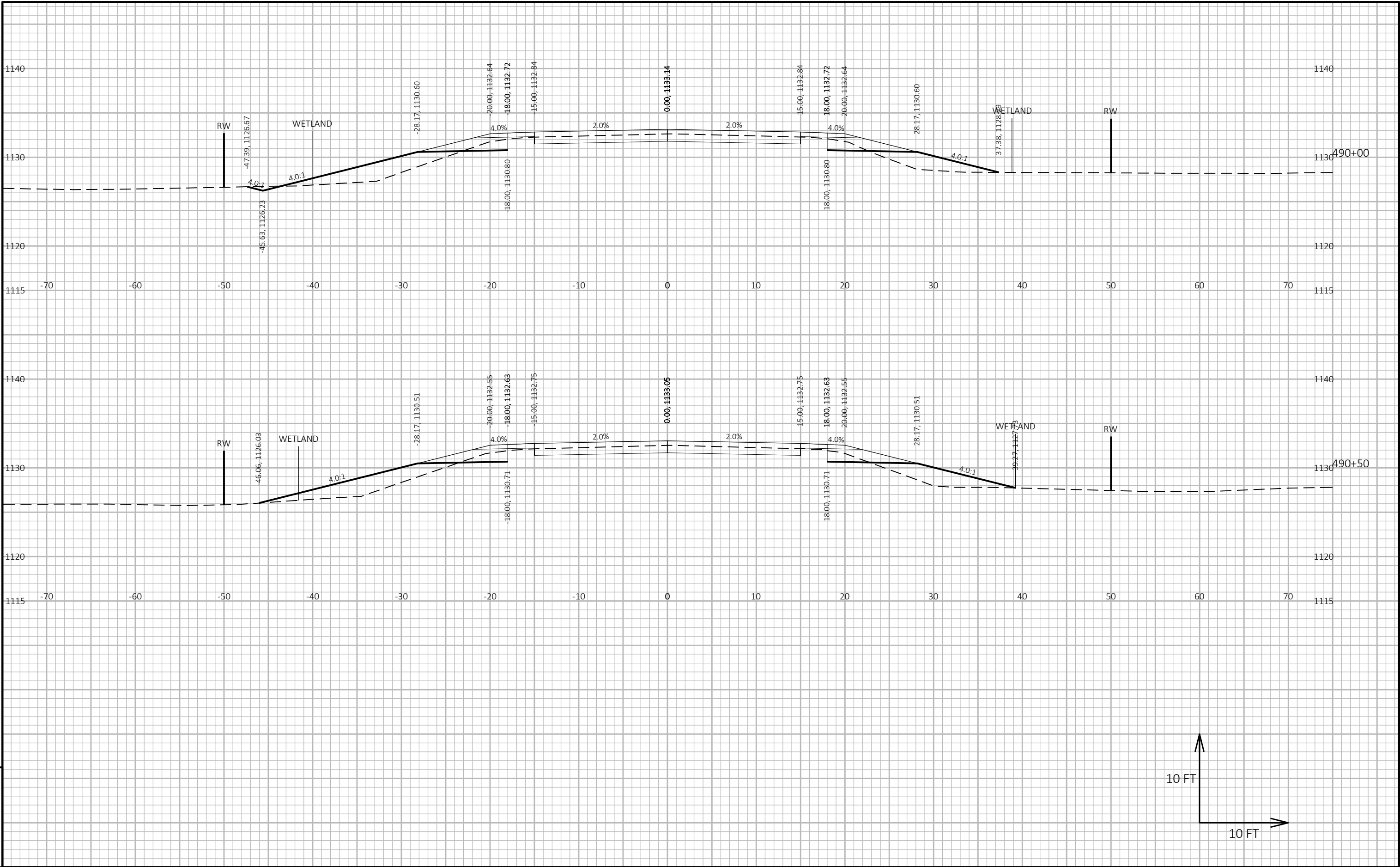
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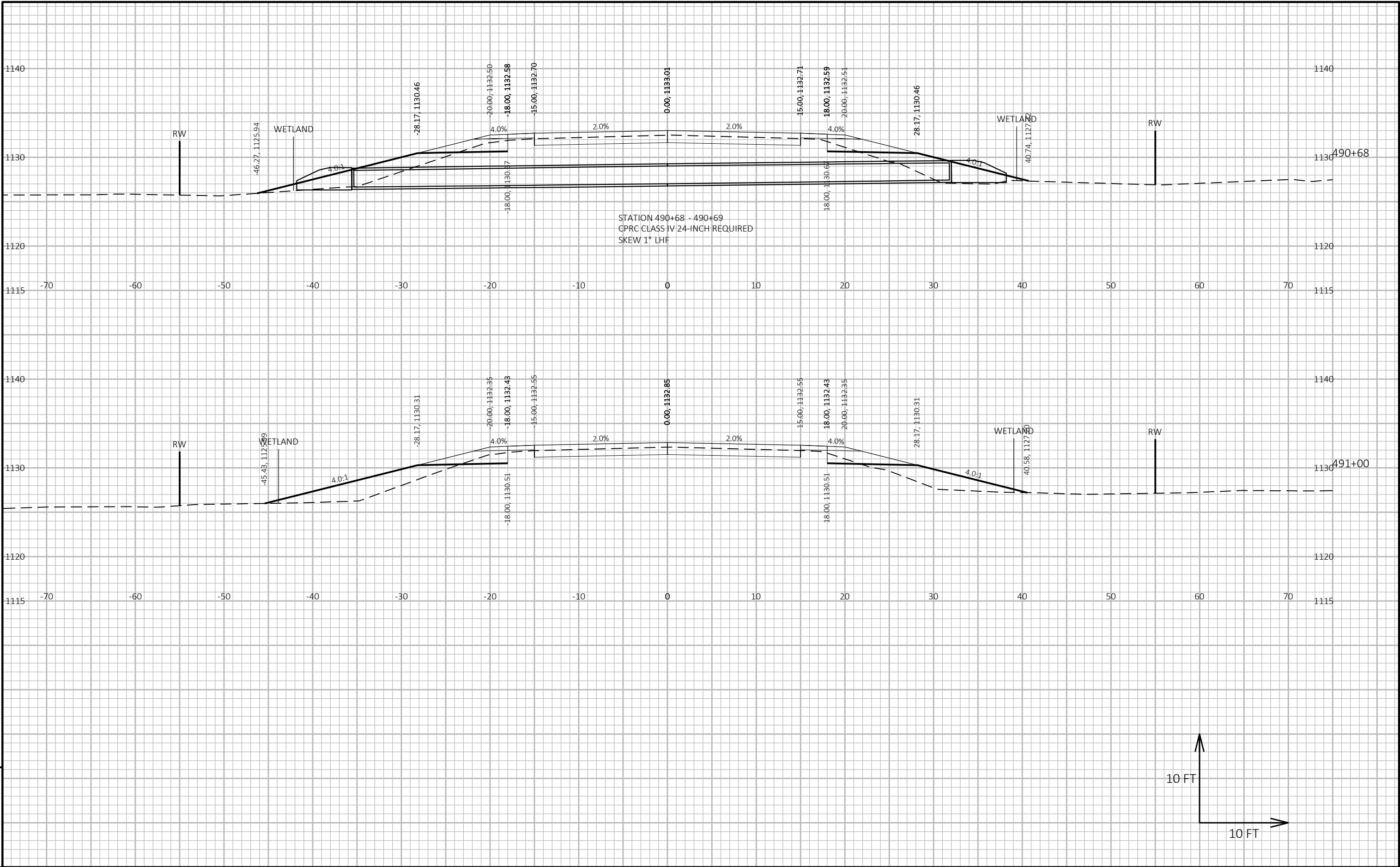






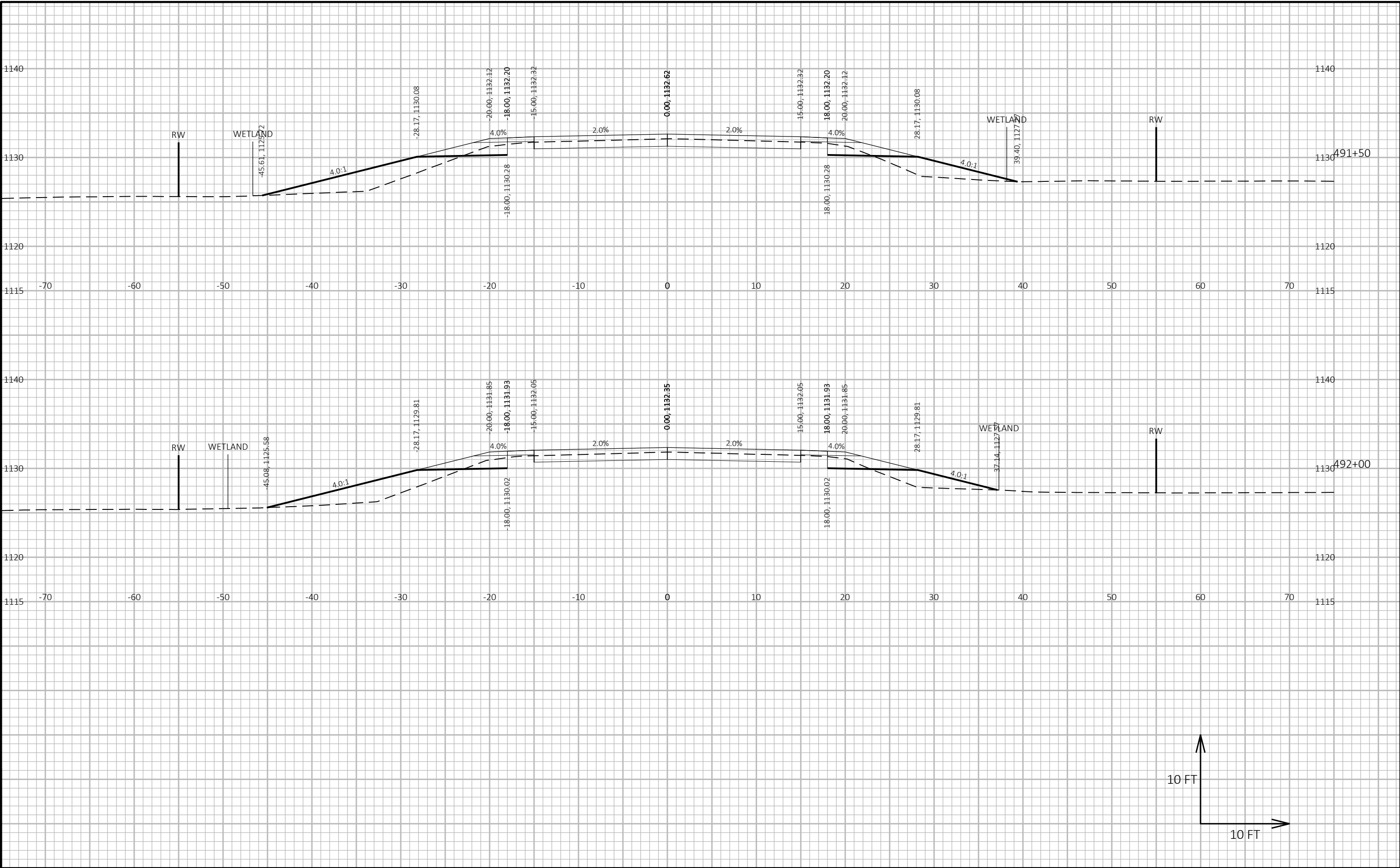


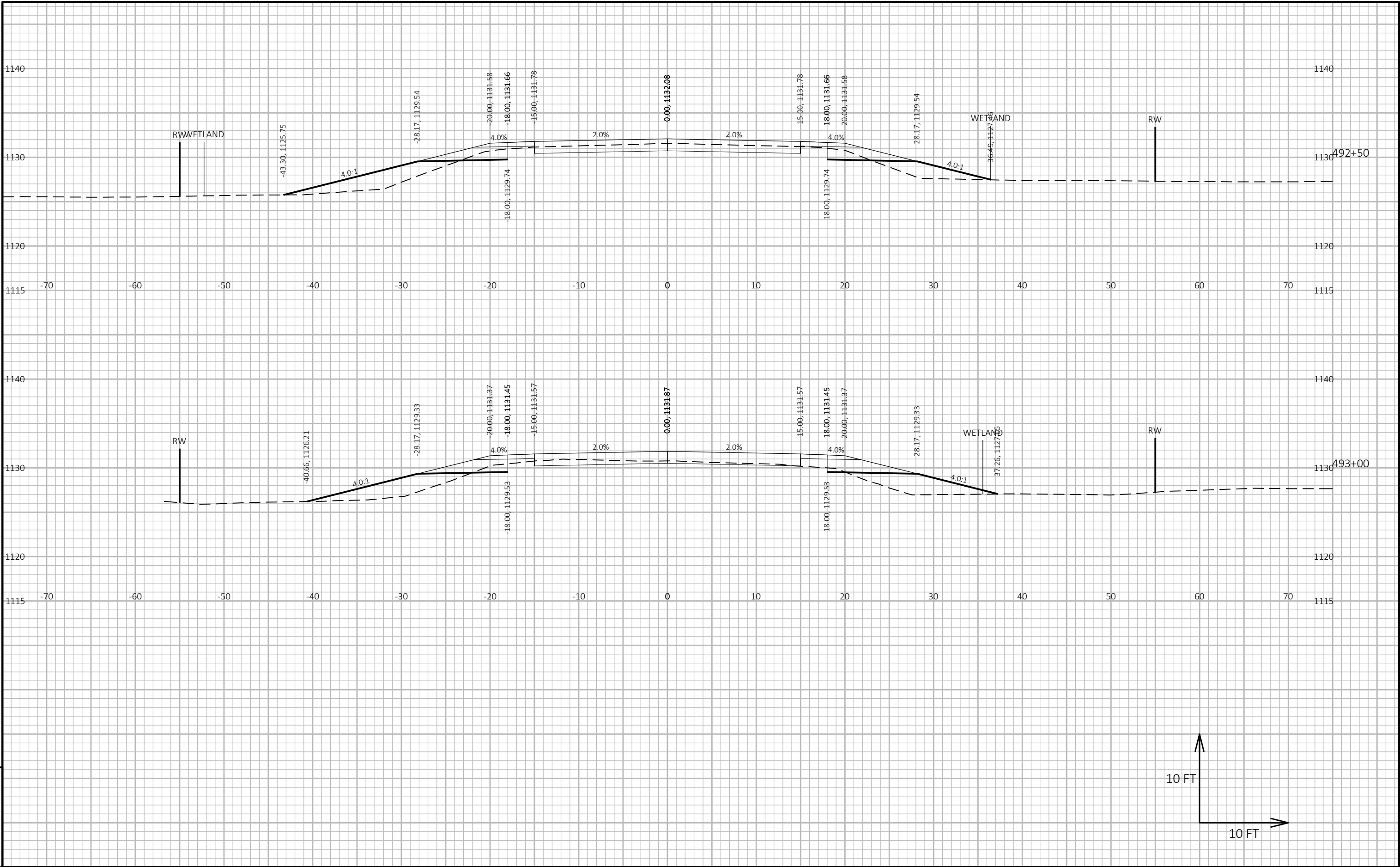


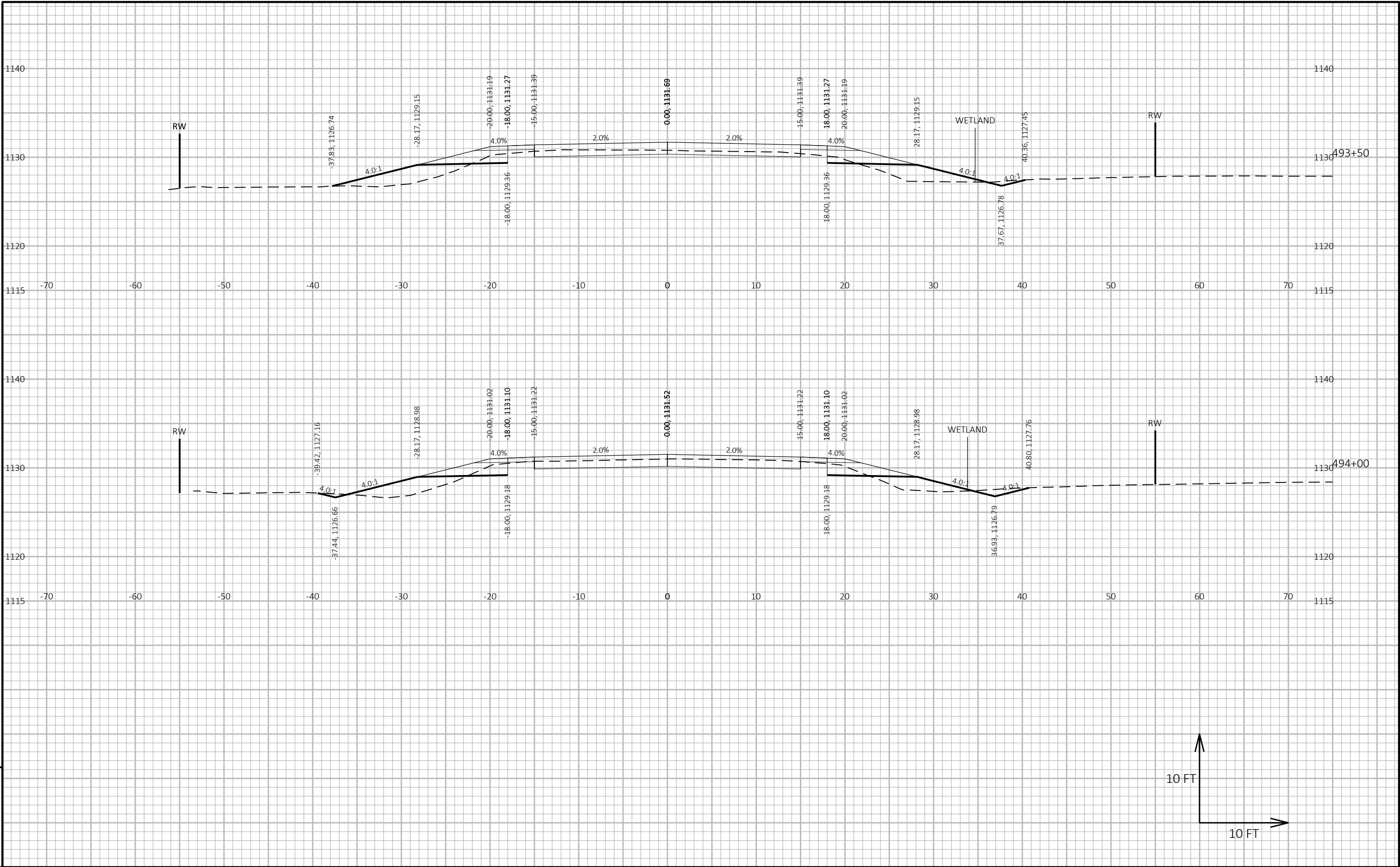


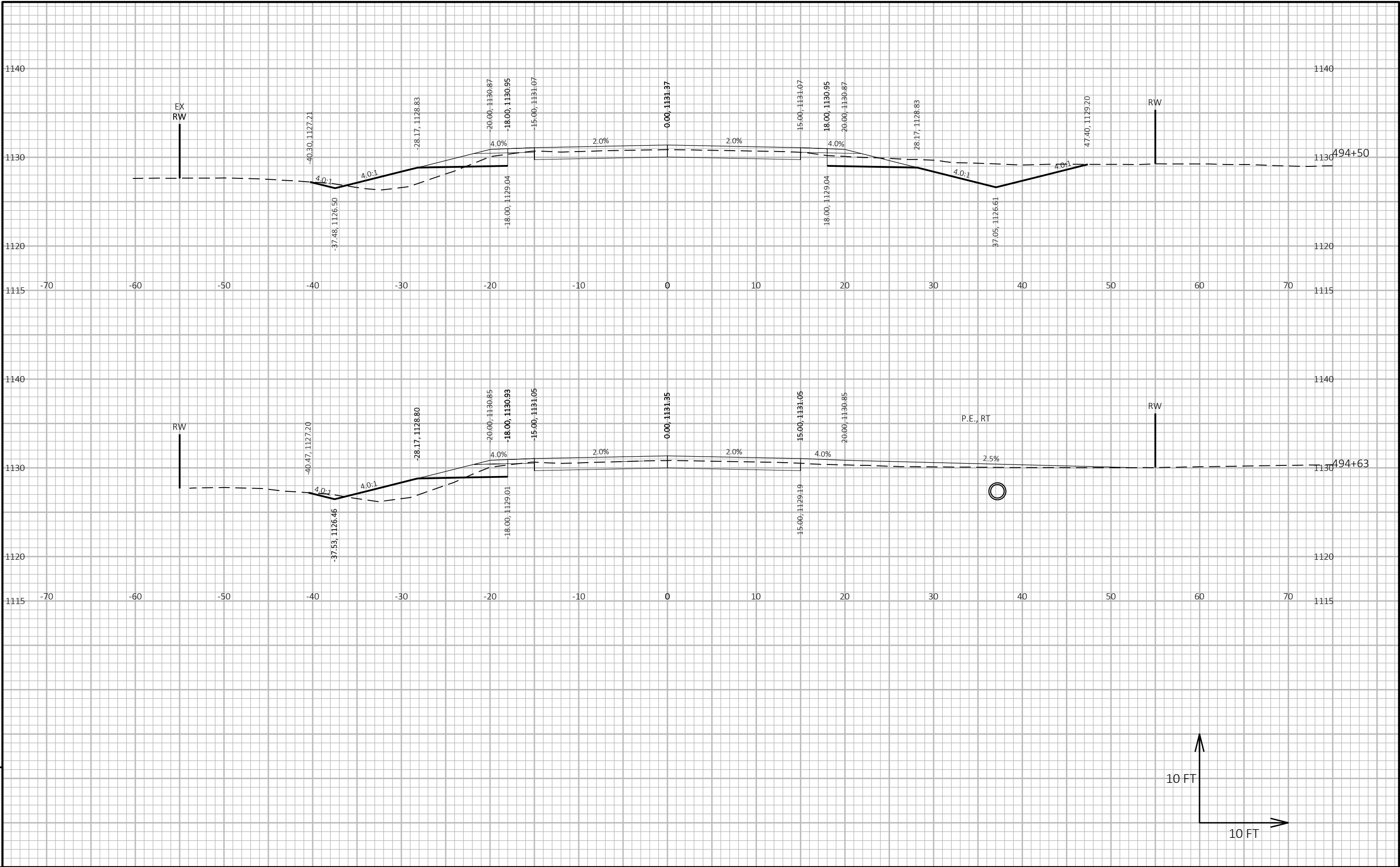
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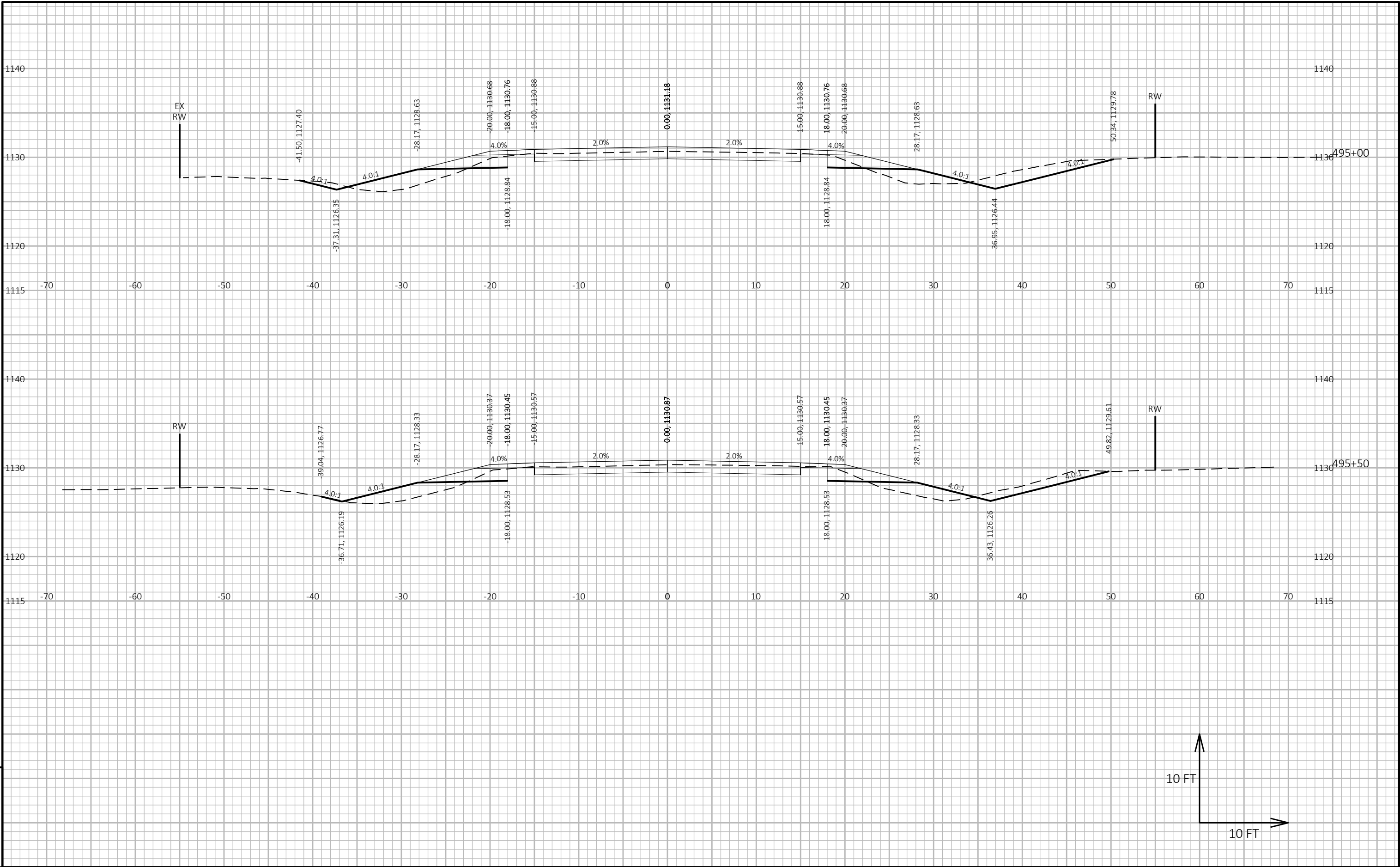
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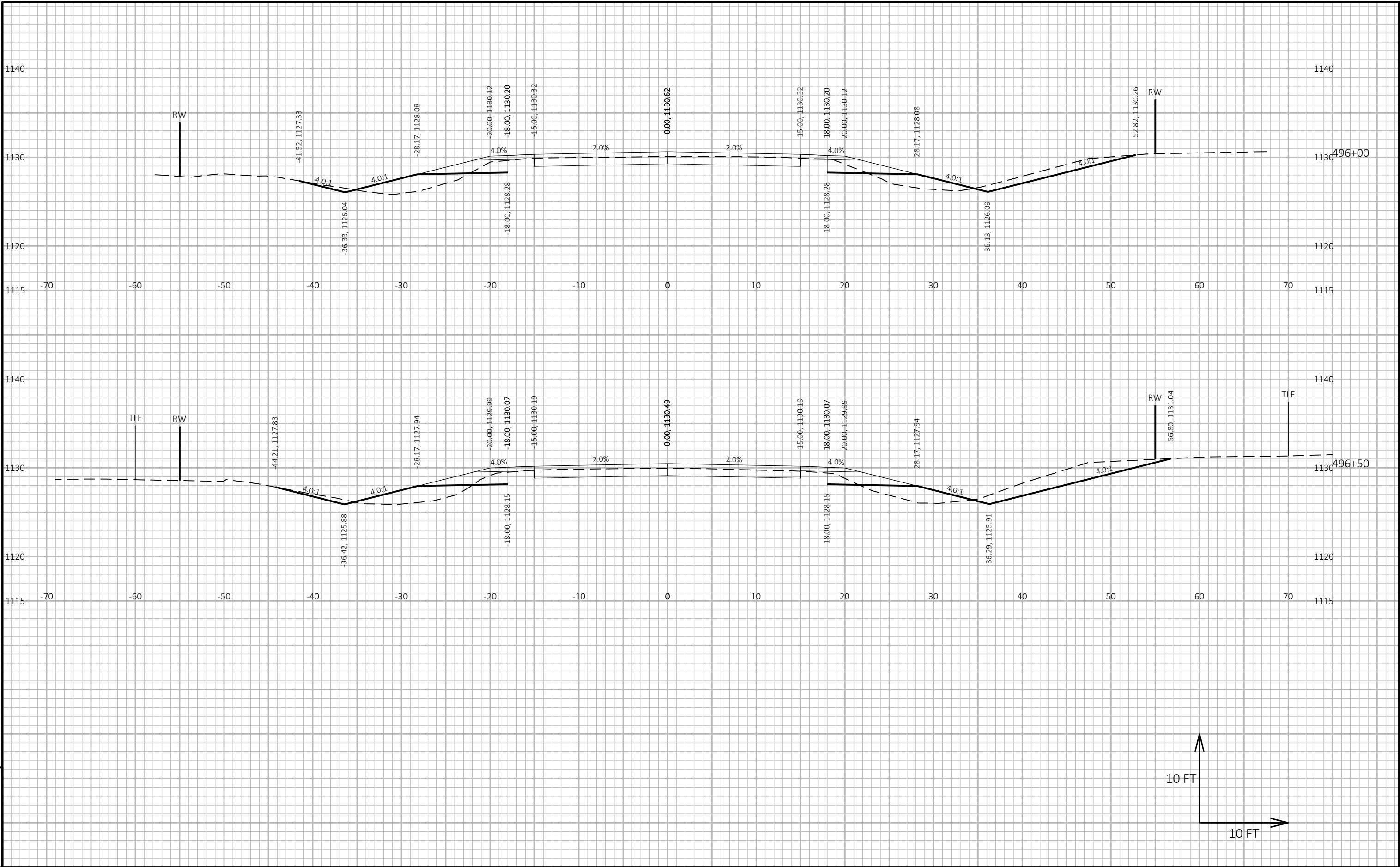


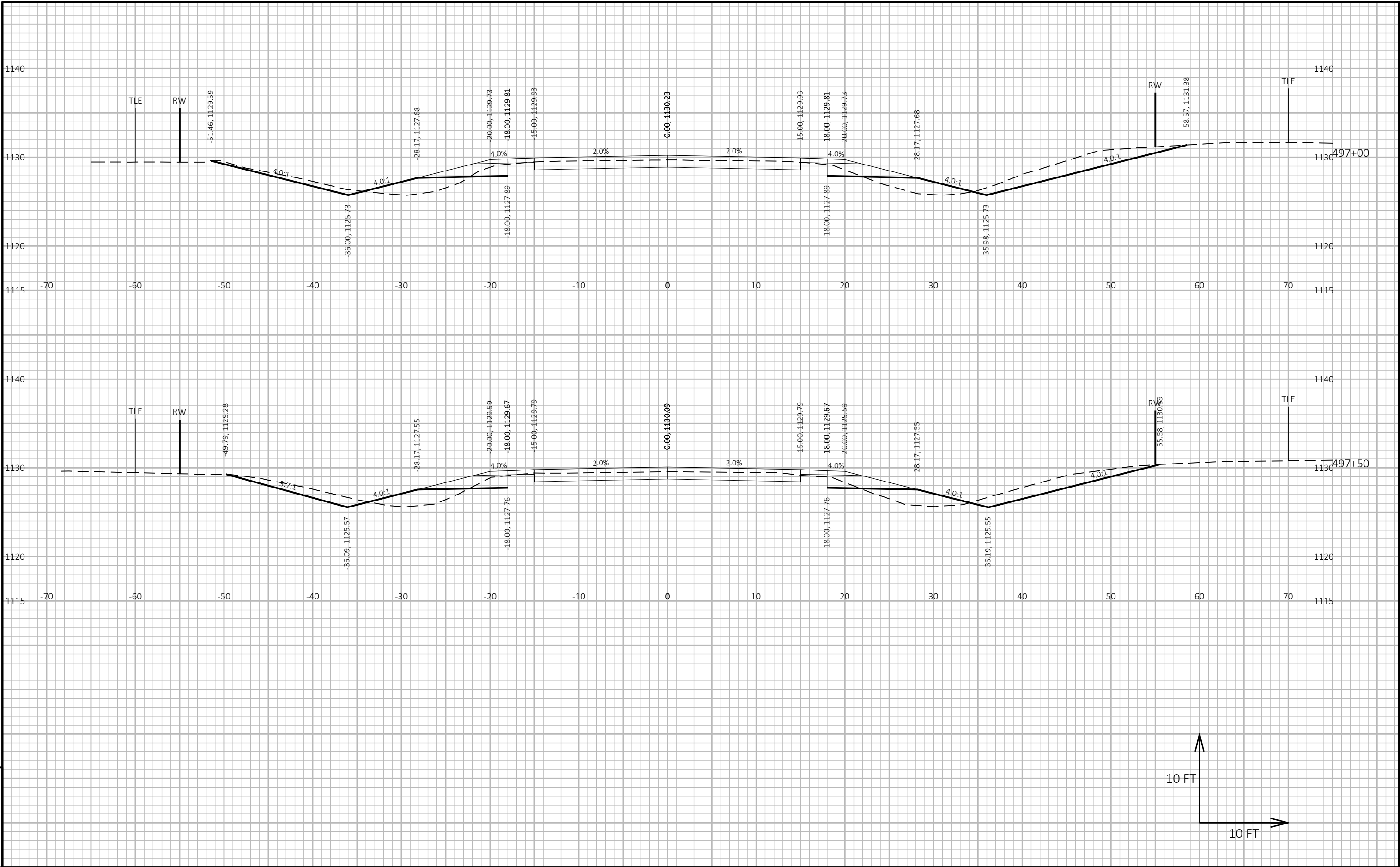


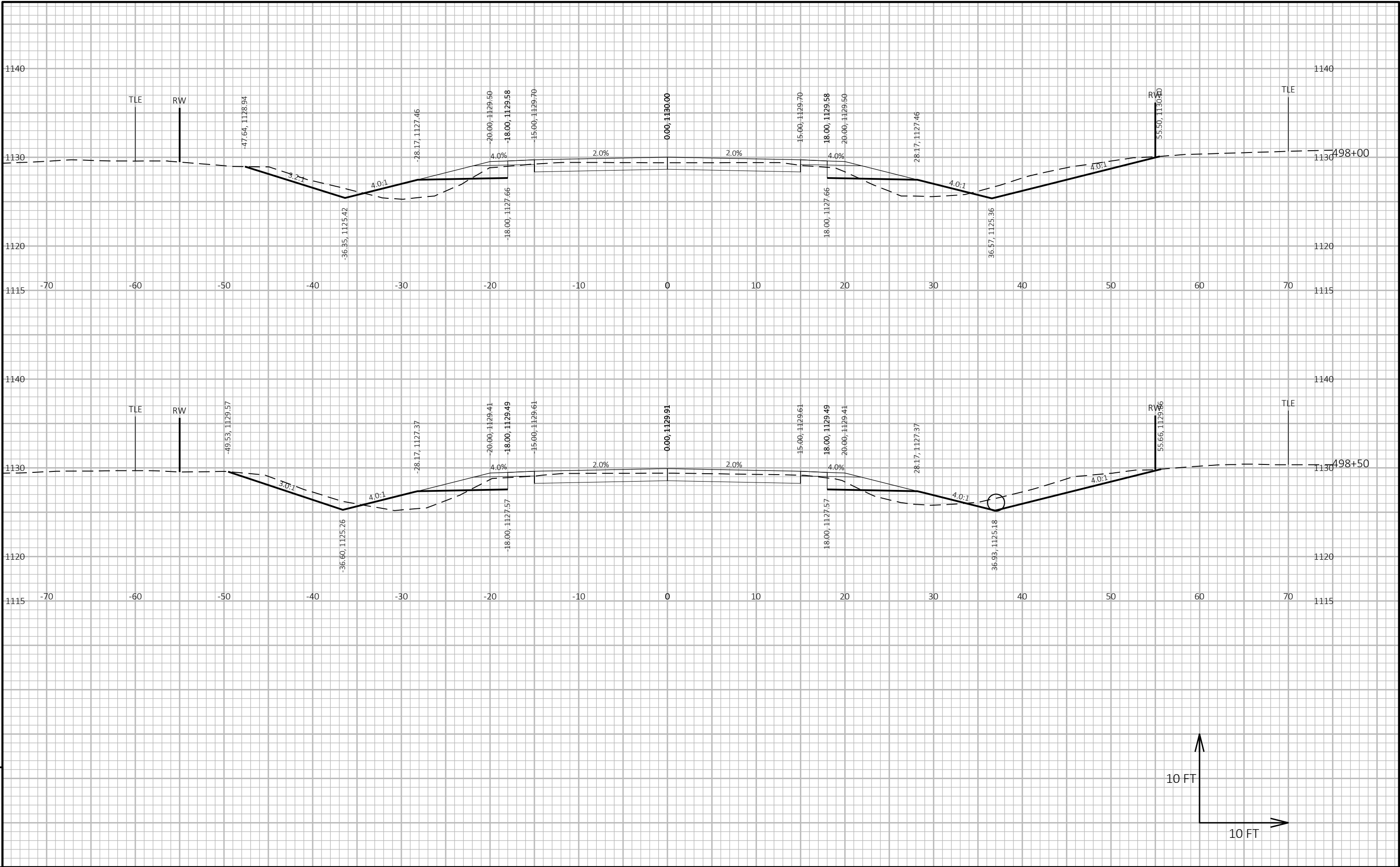
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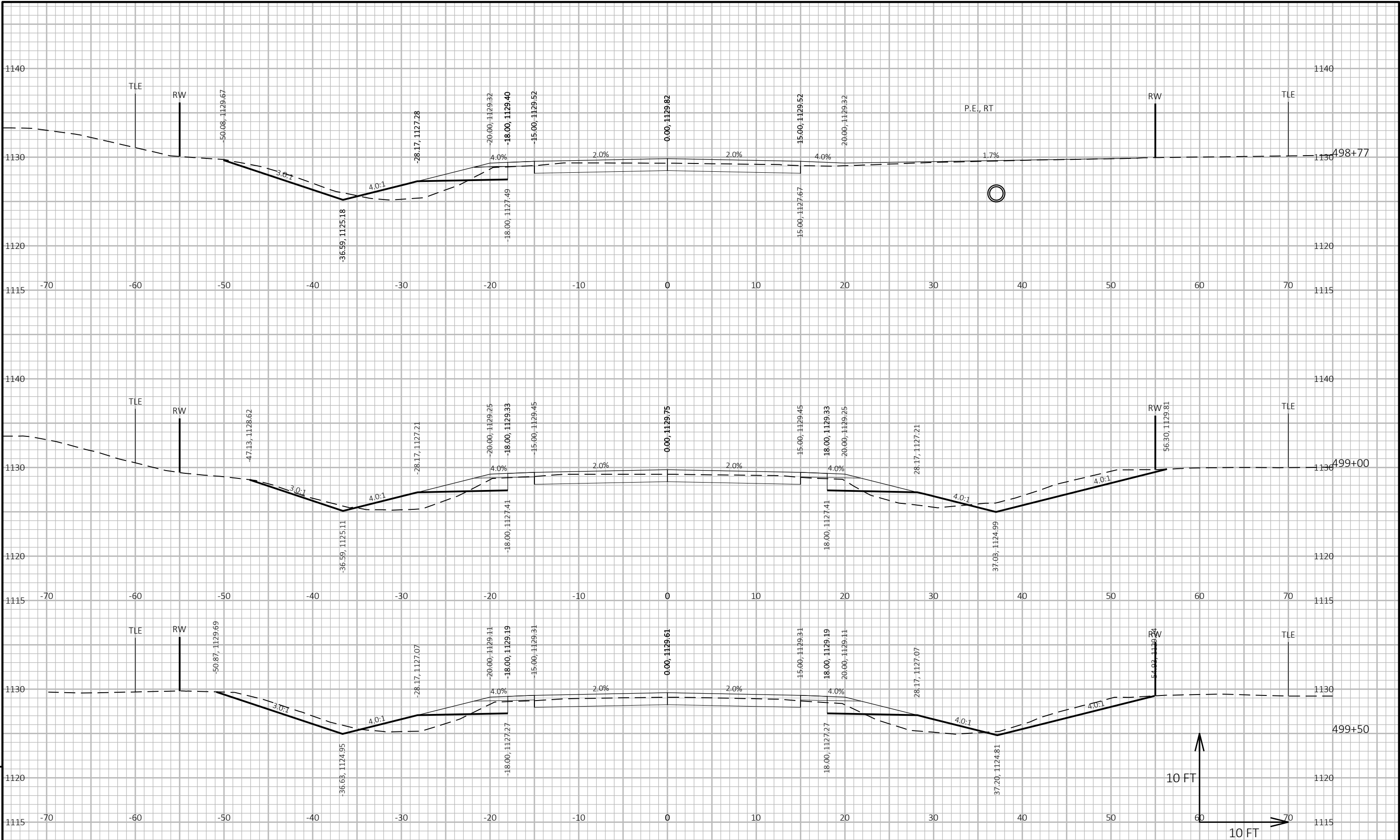
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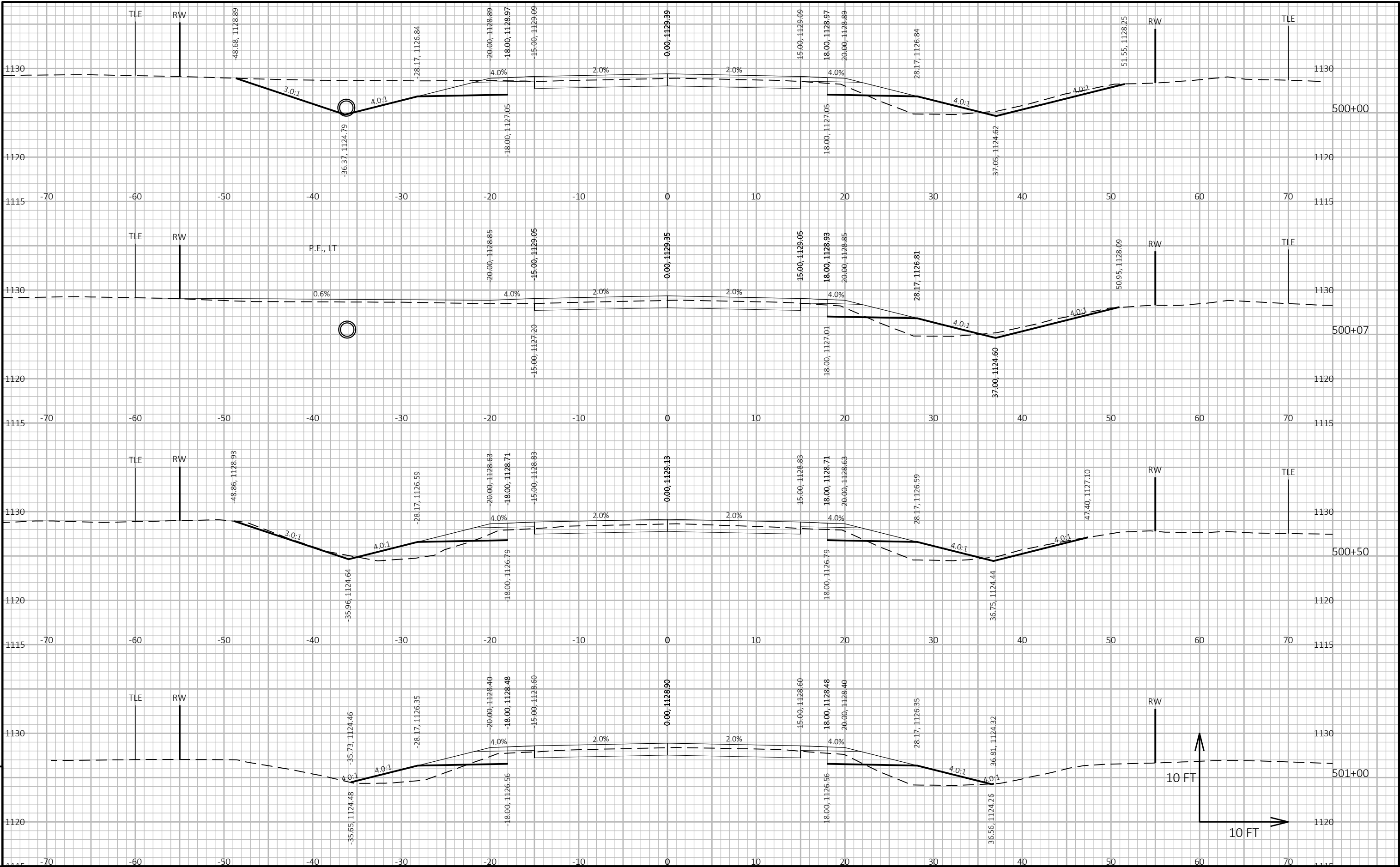
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 310	E
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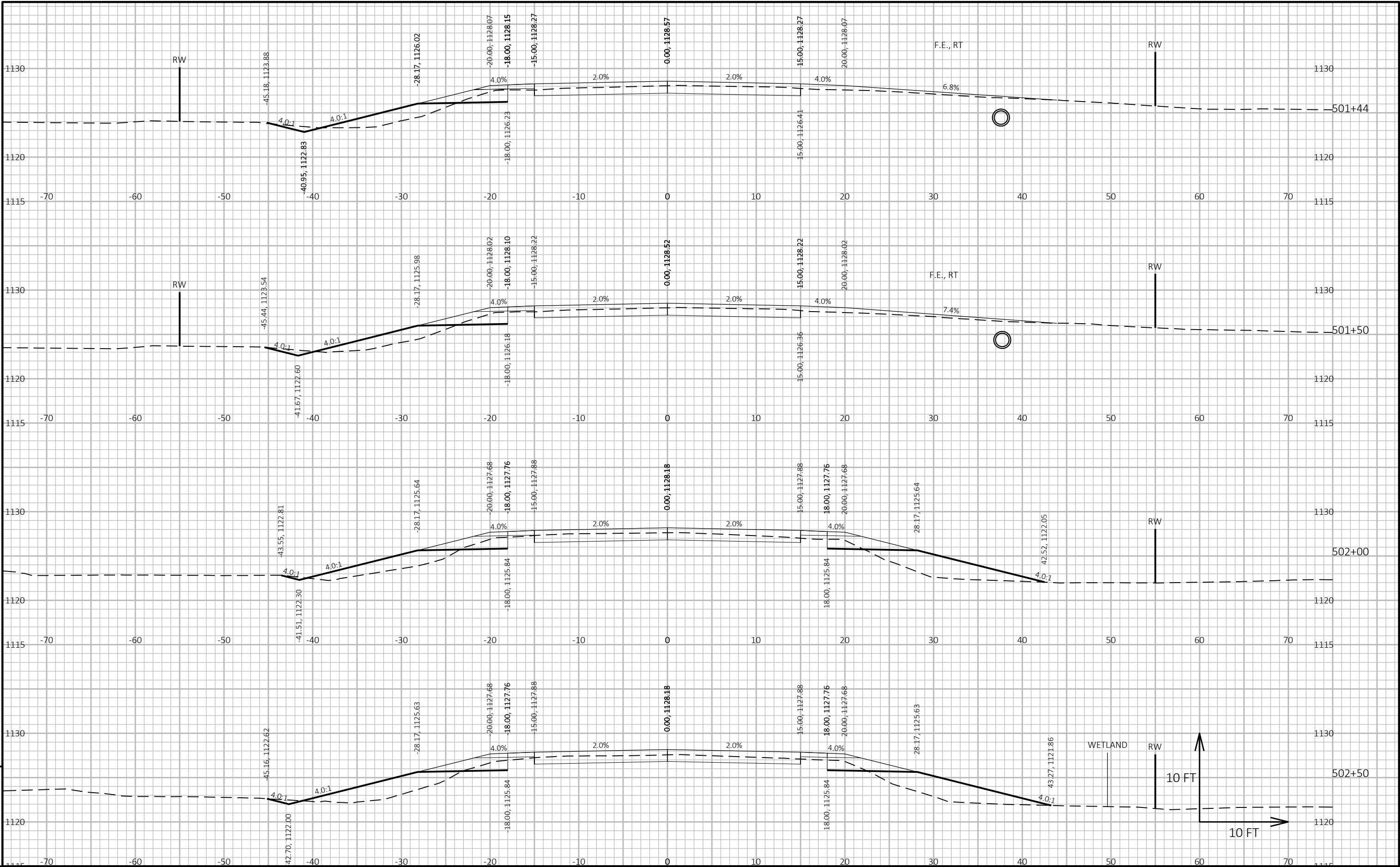


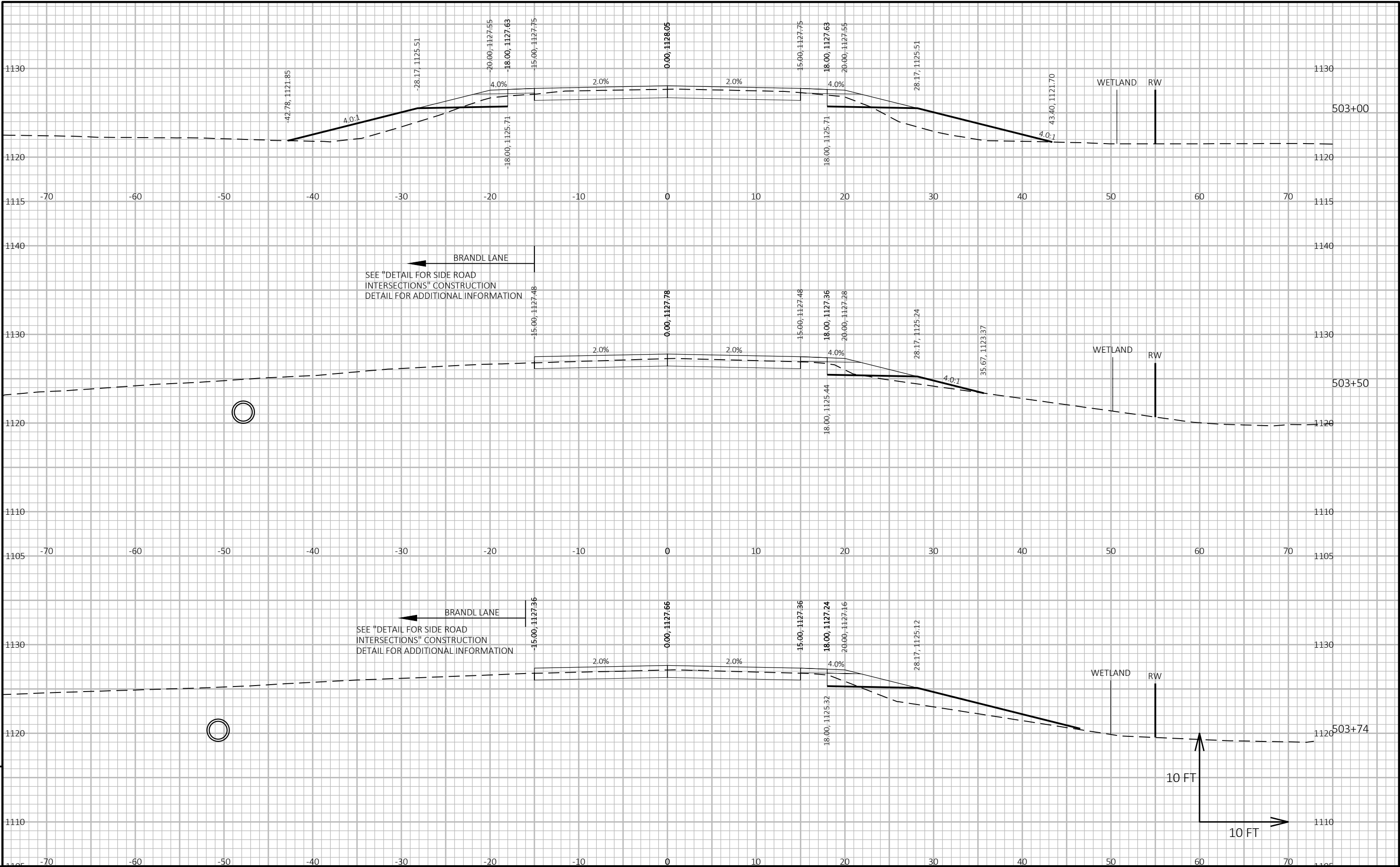


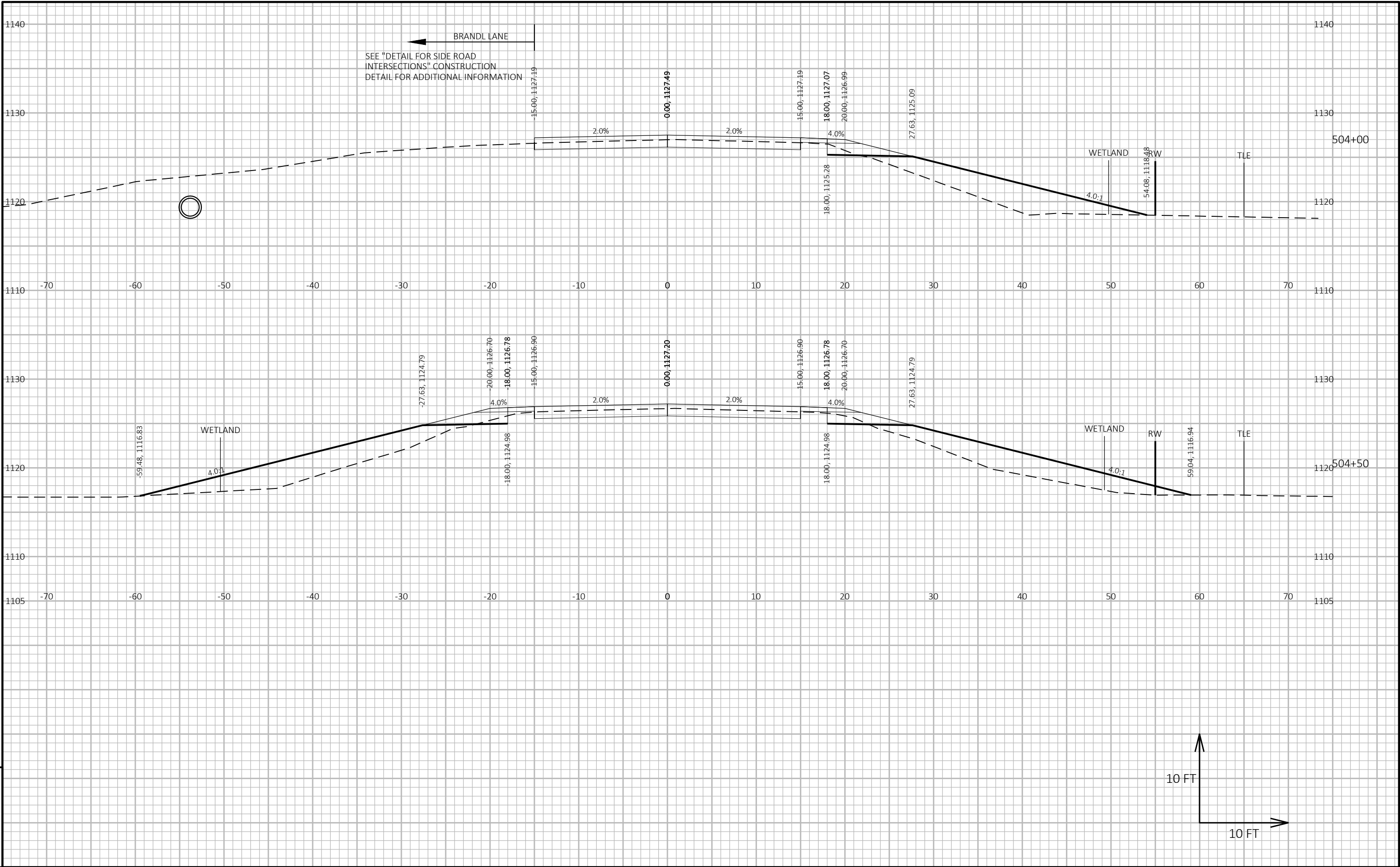


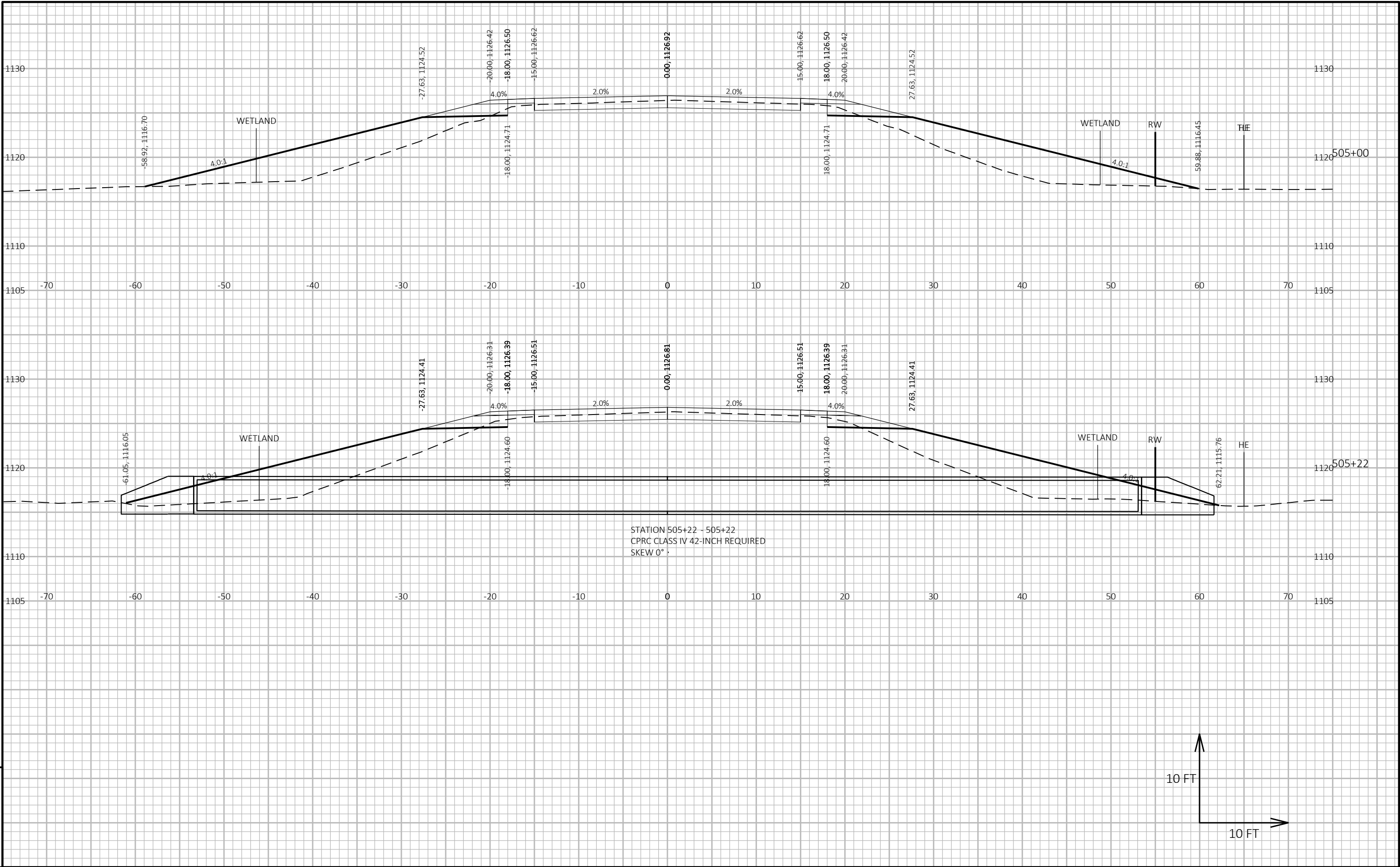






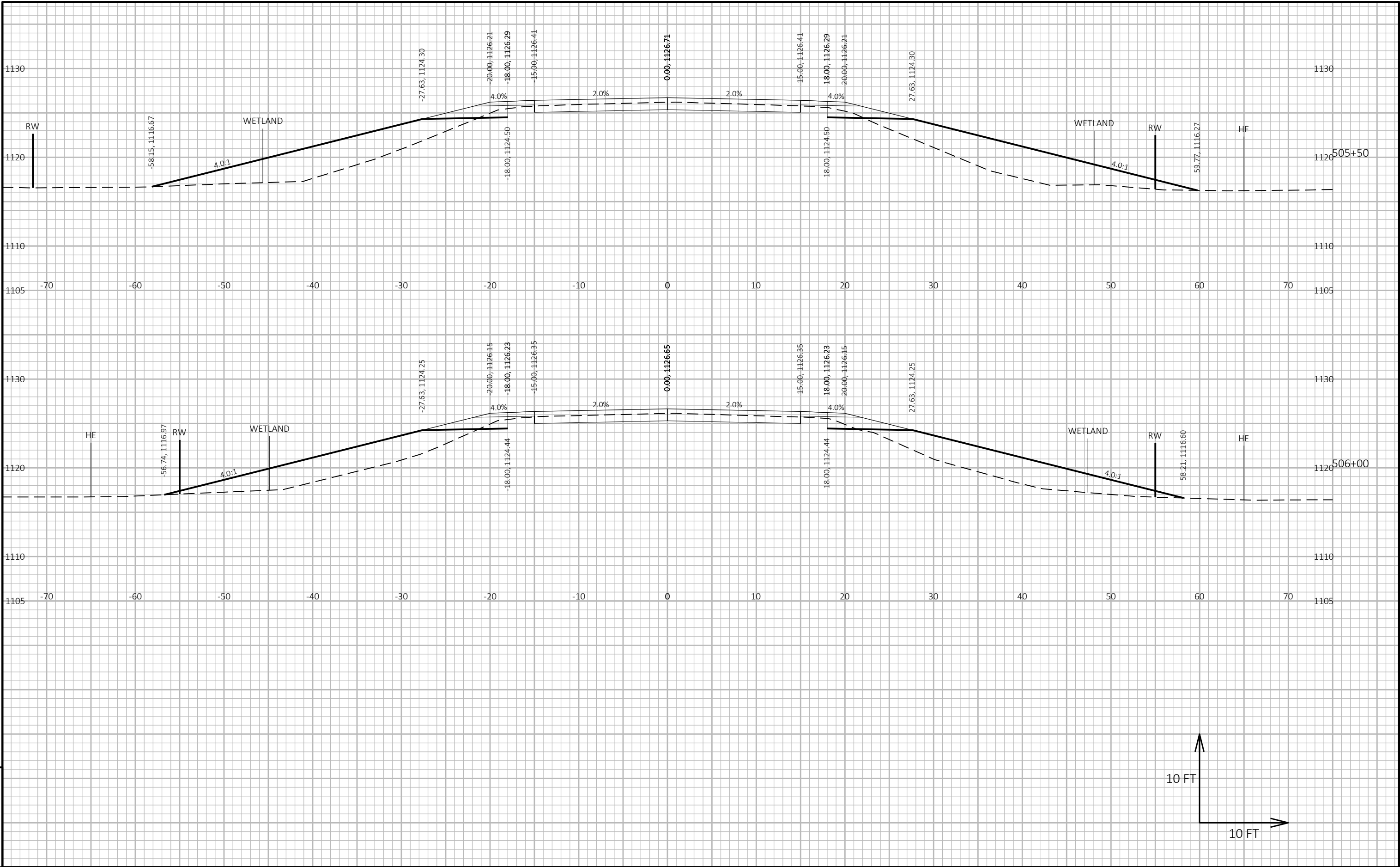


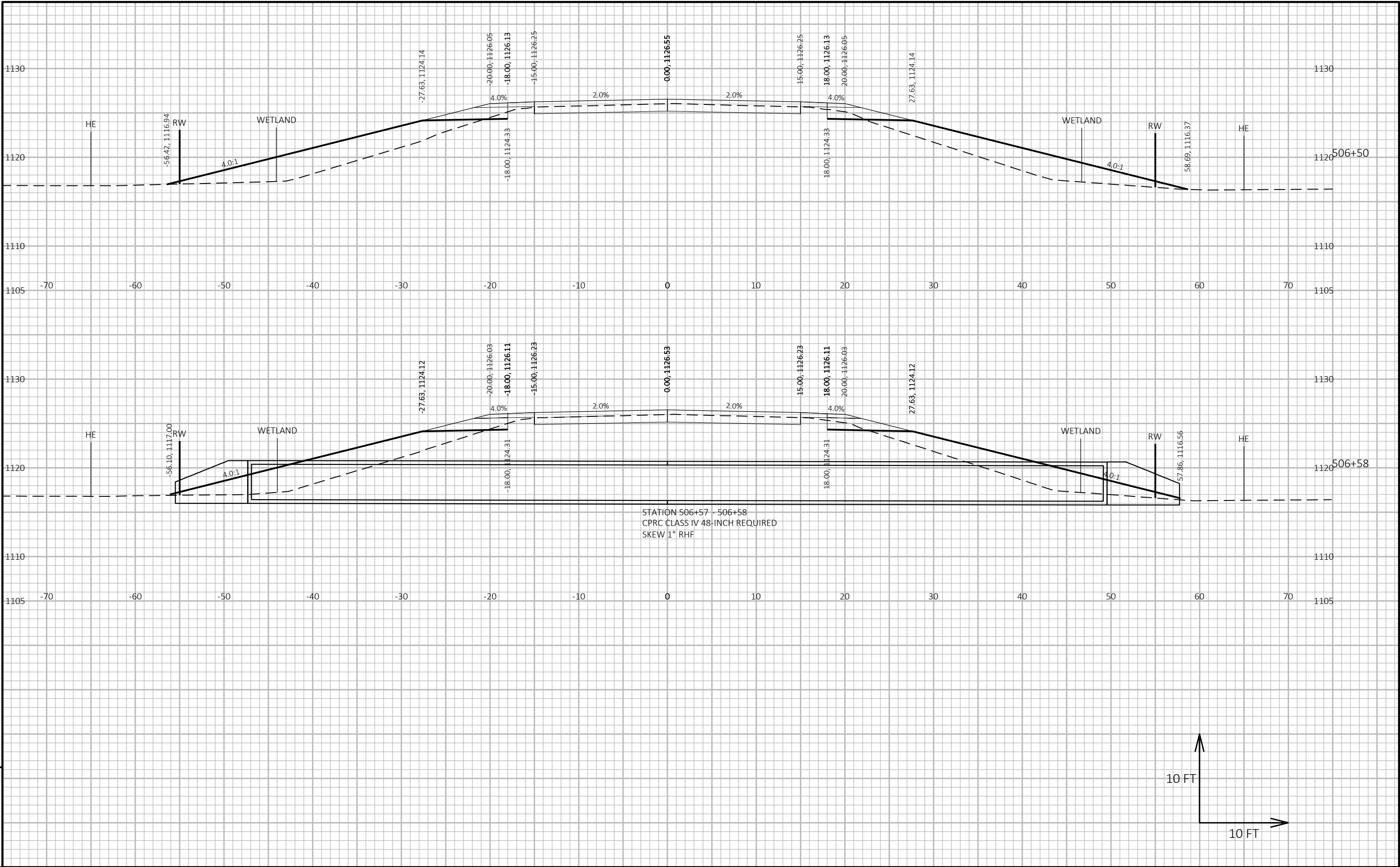


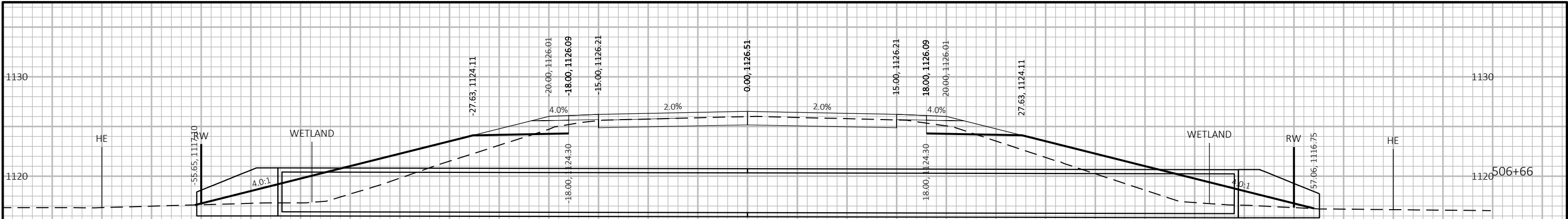


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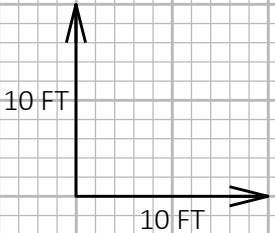
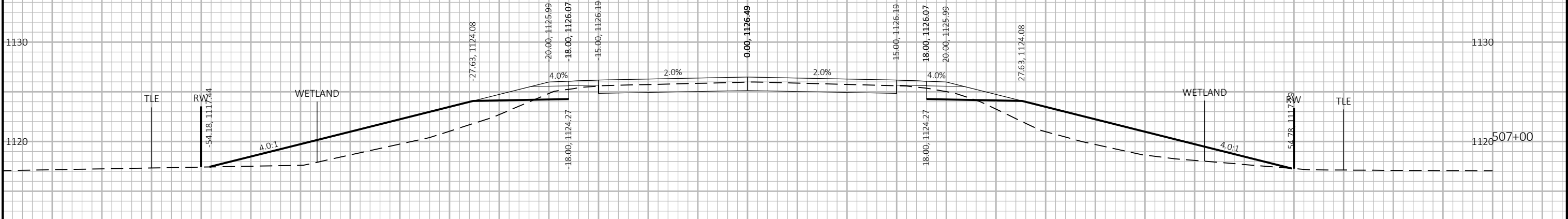
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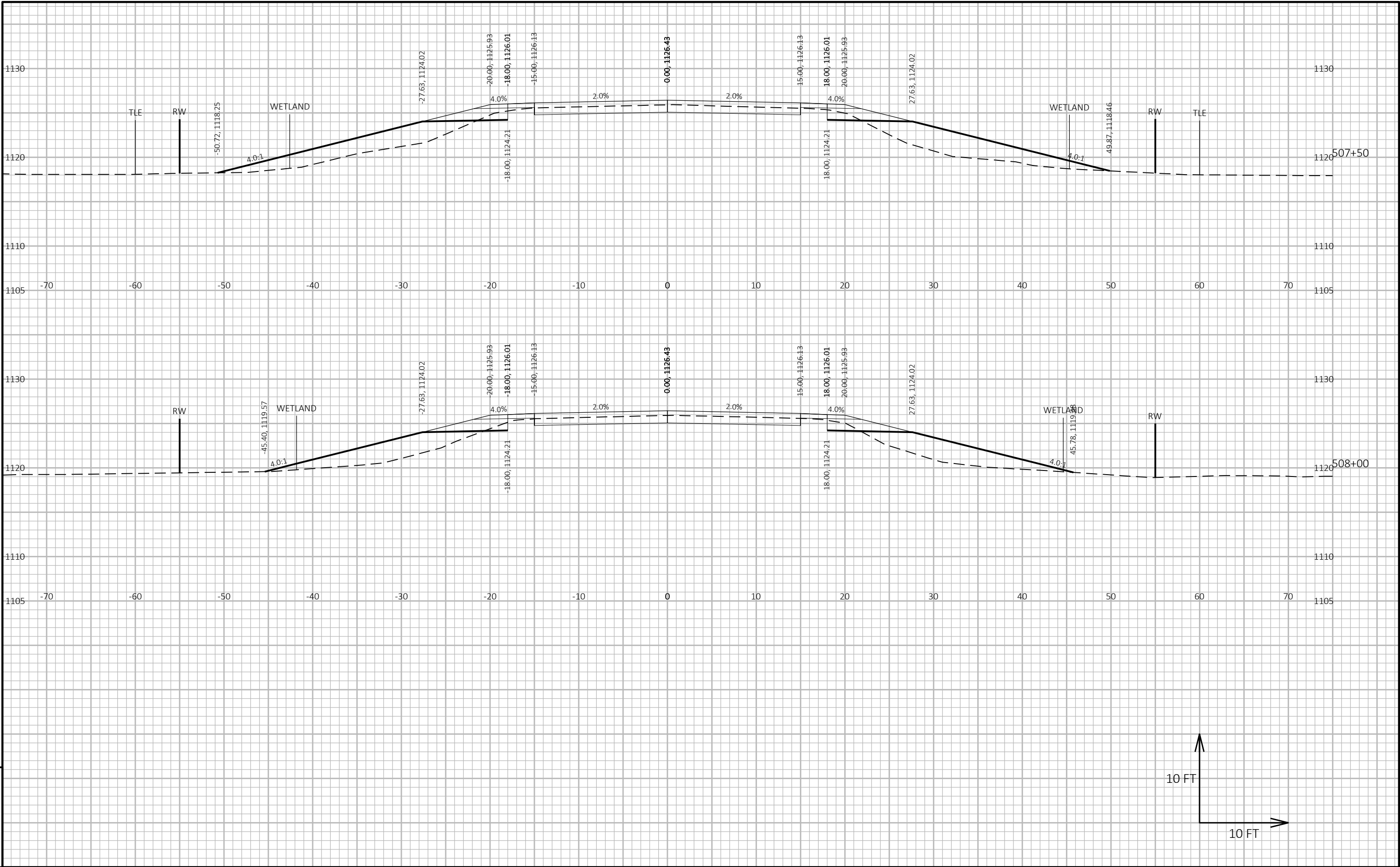


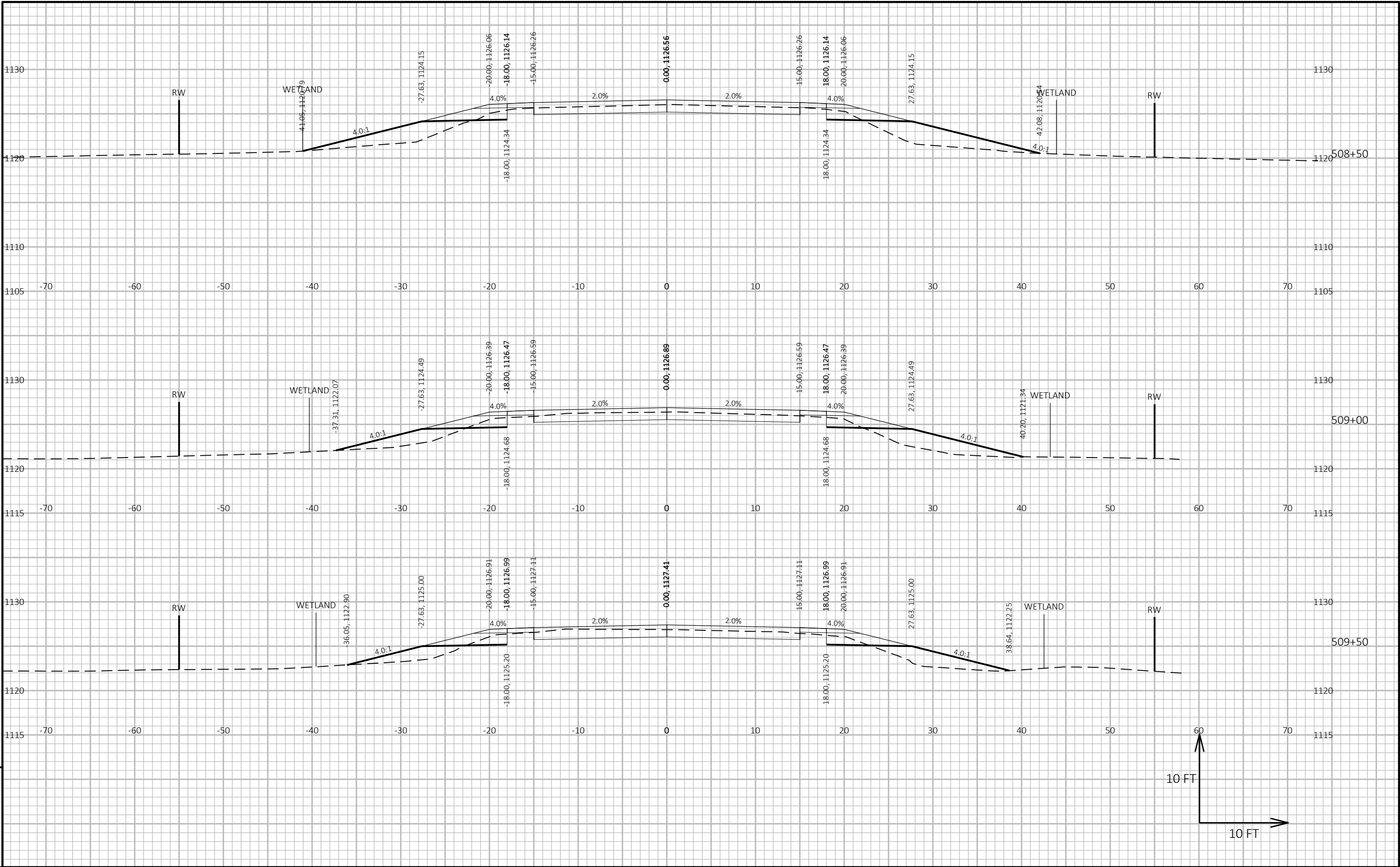


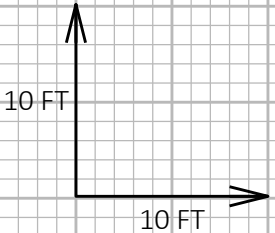
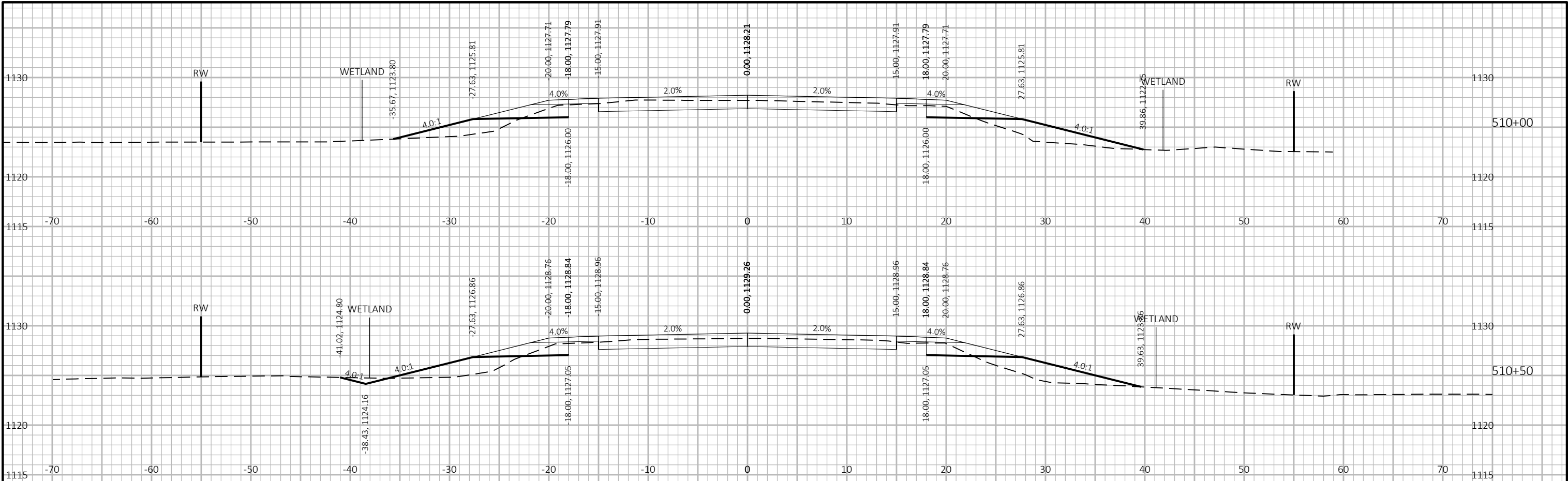


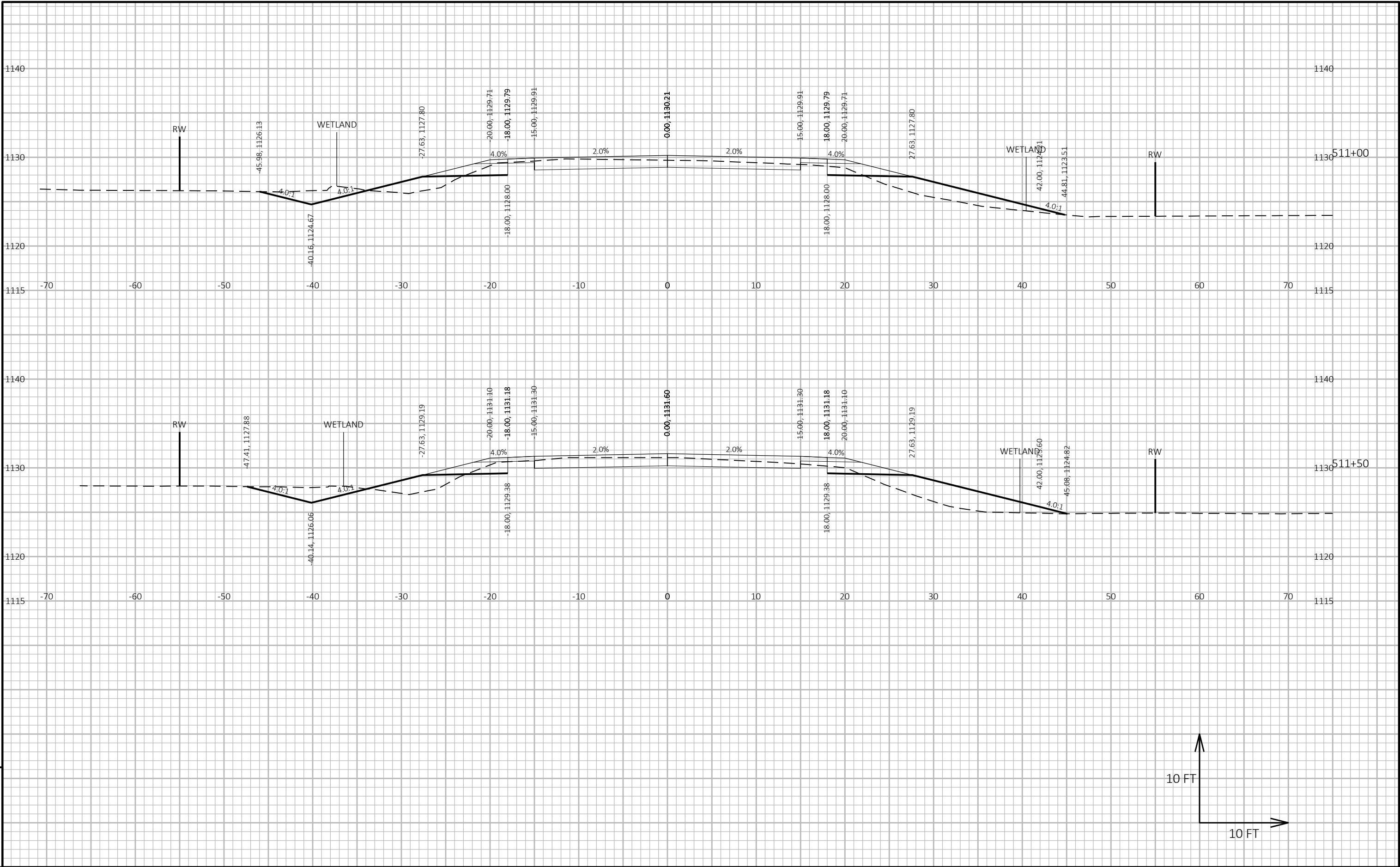
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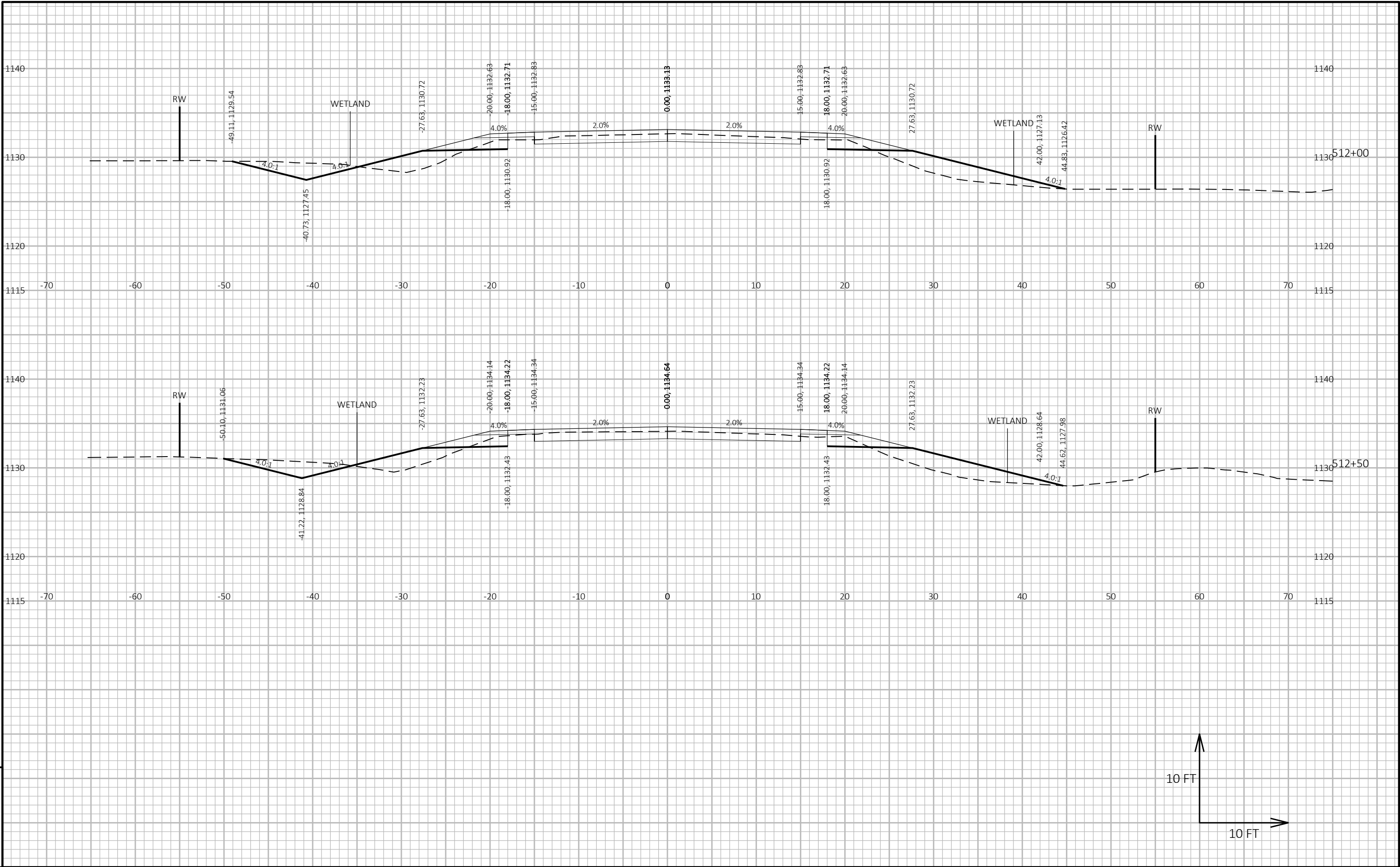


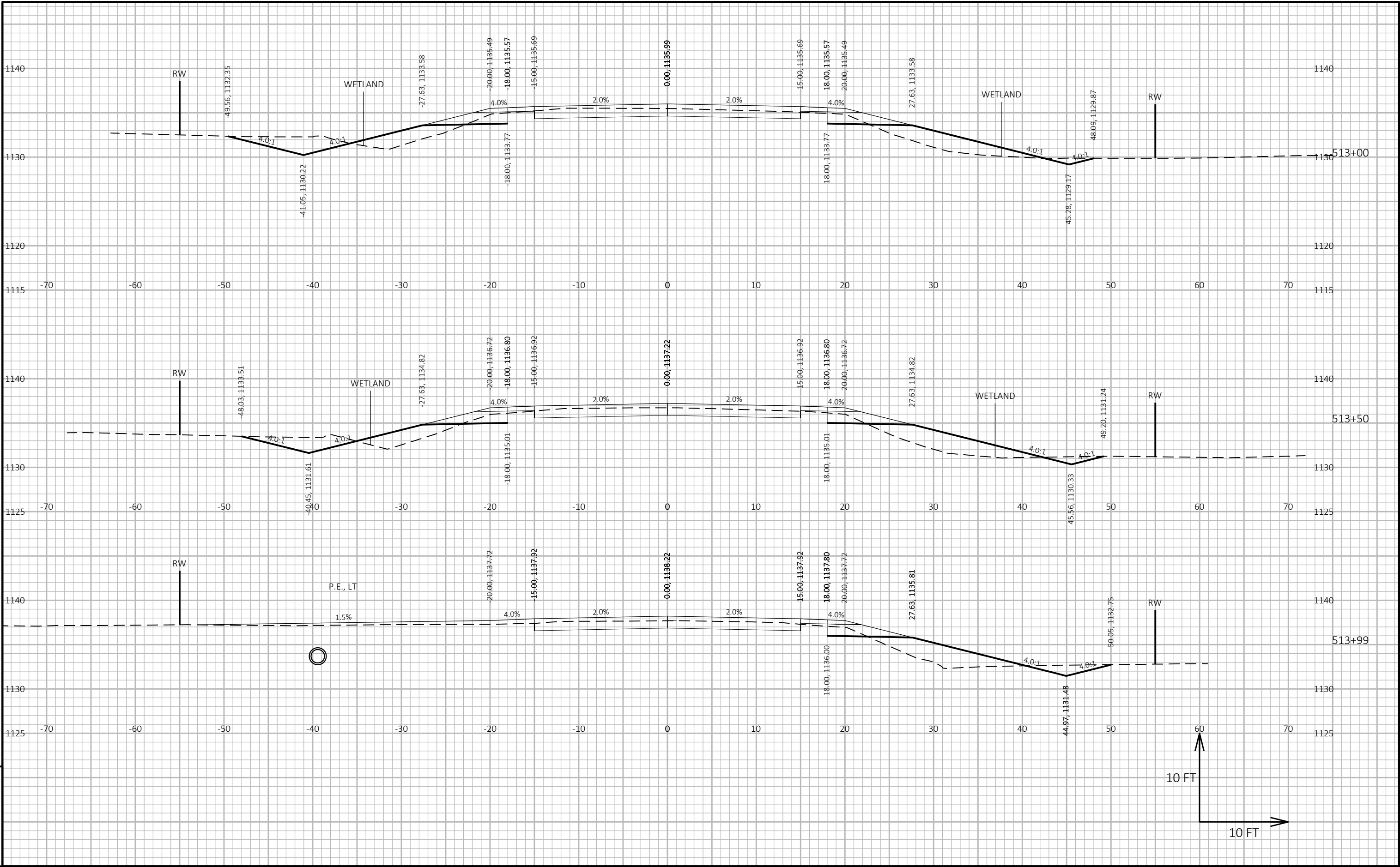


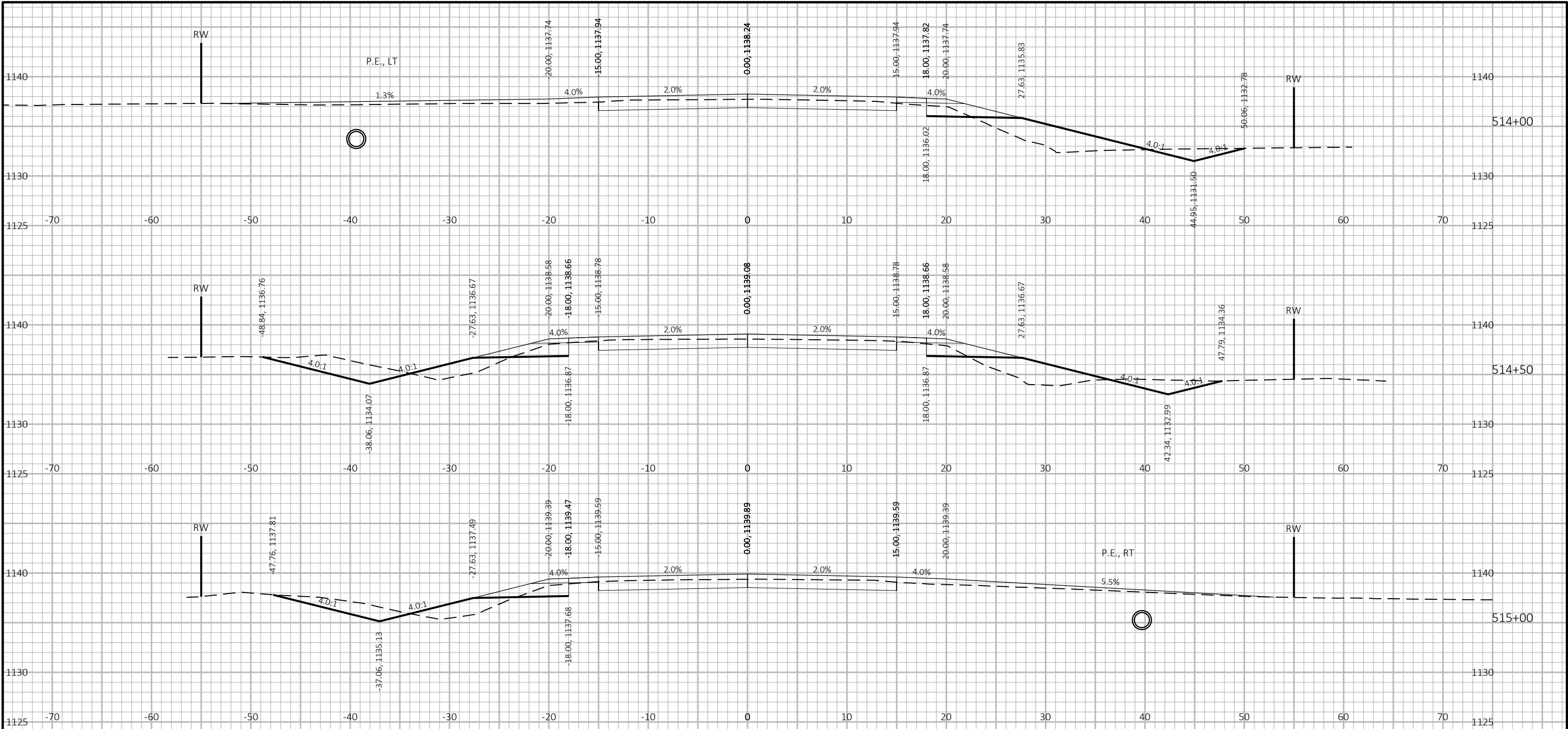






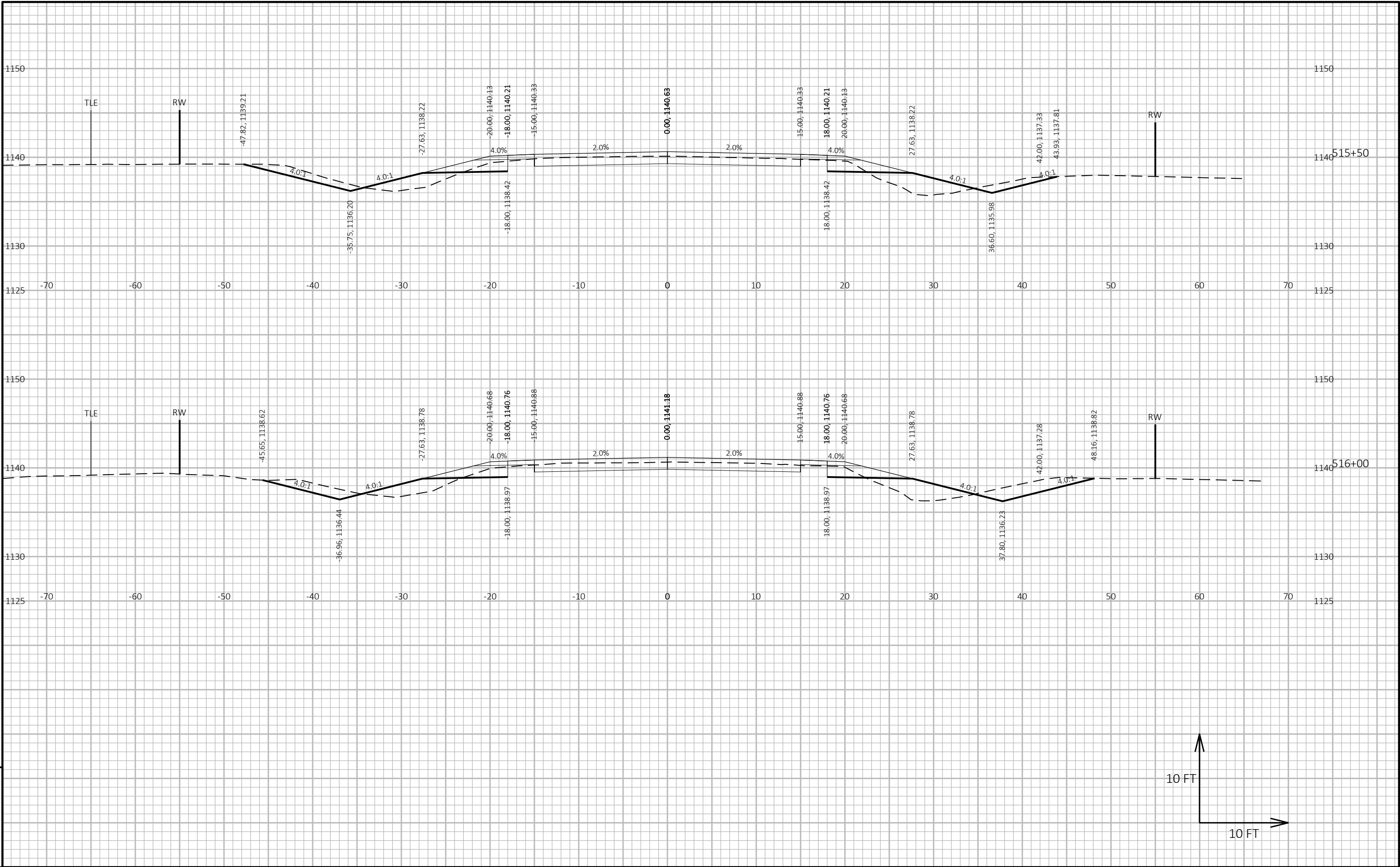


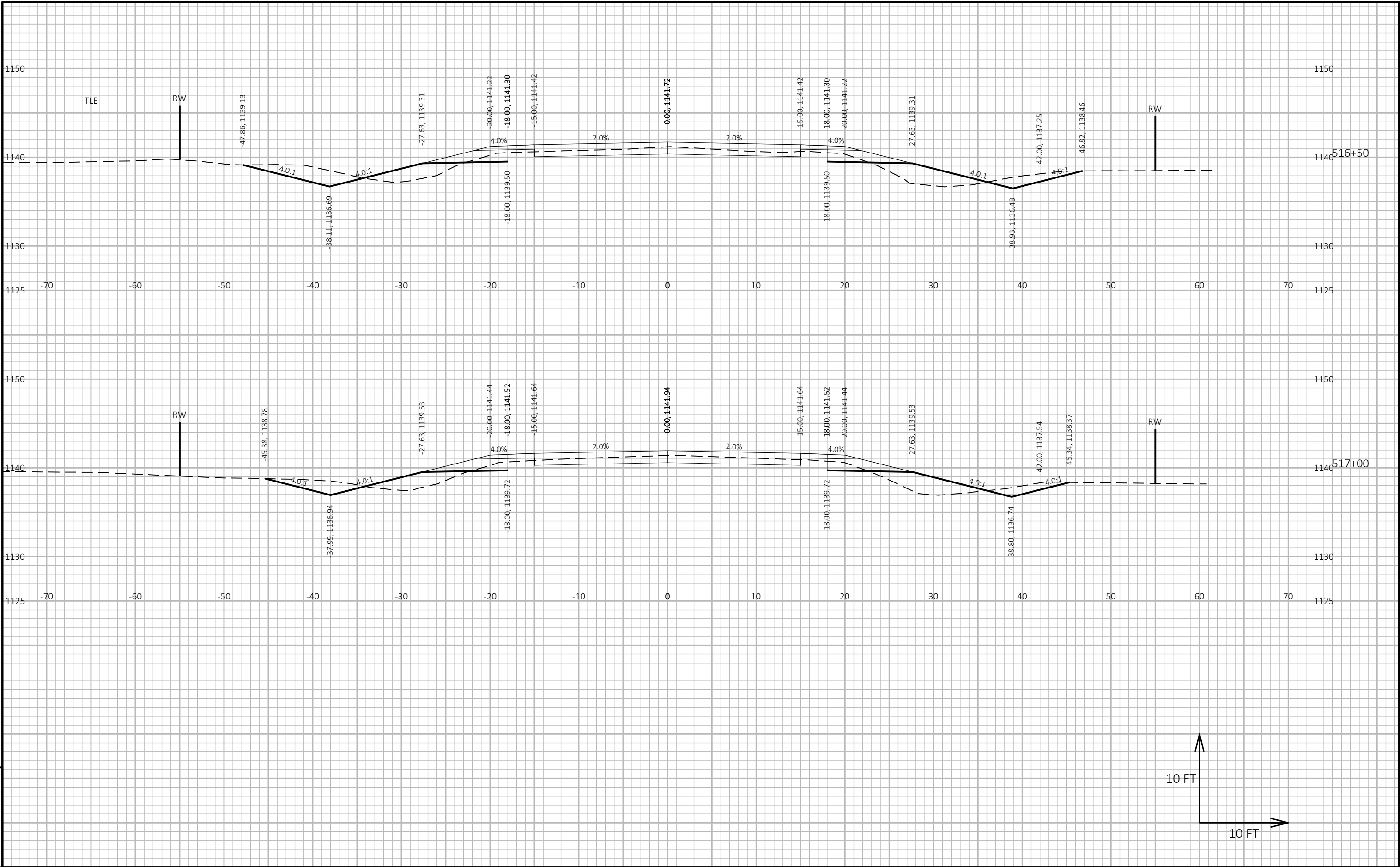


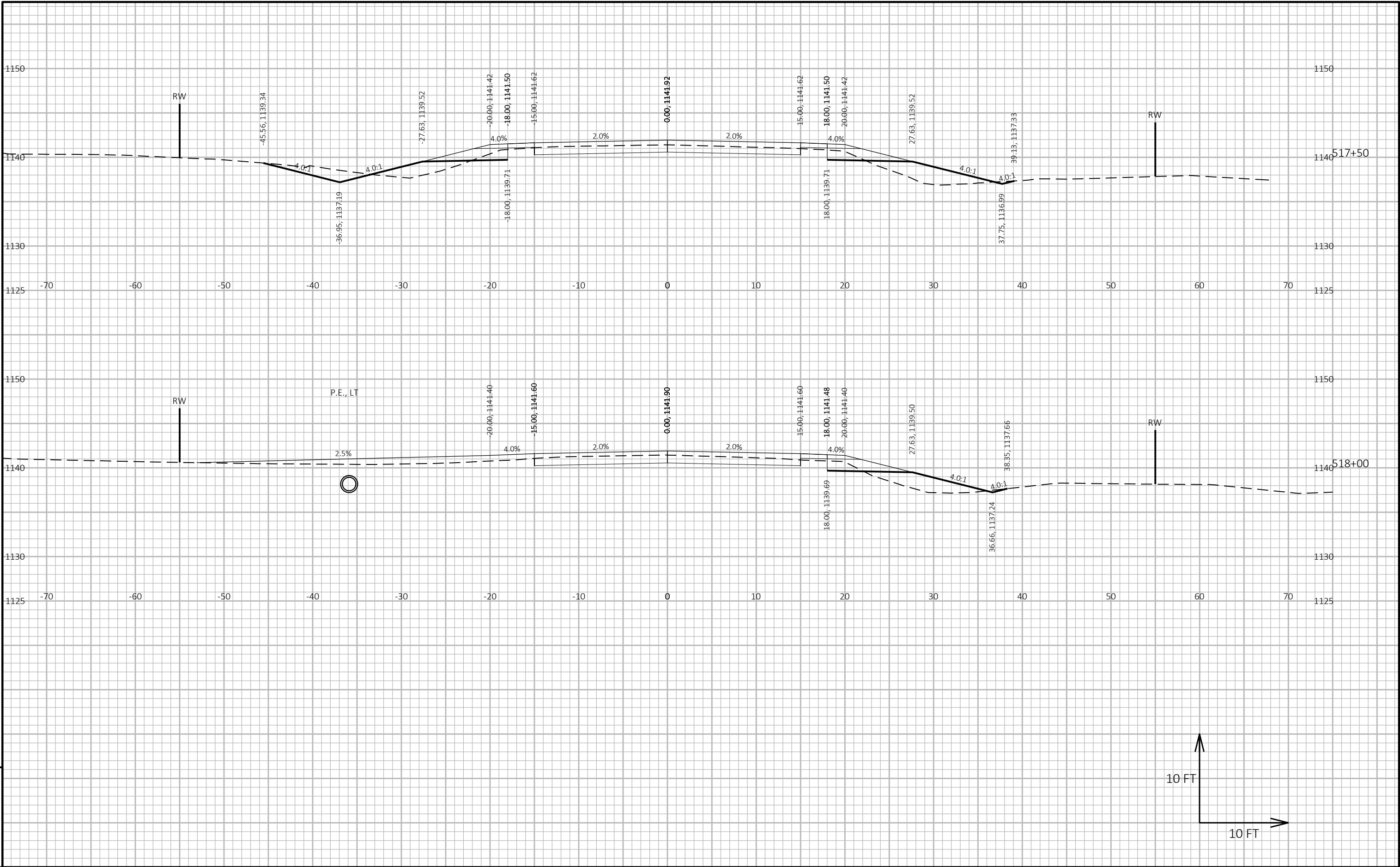


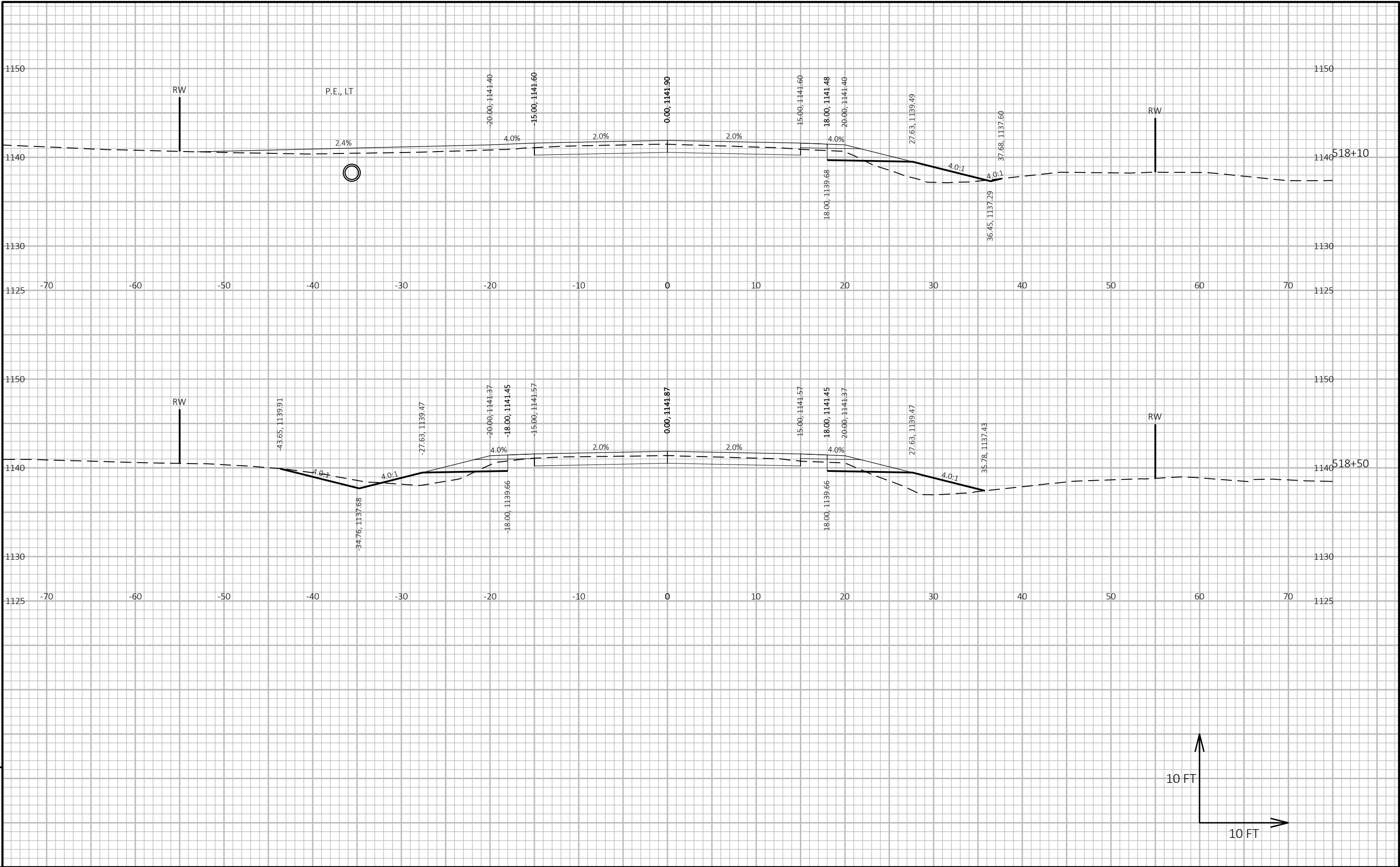
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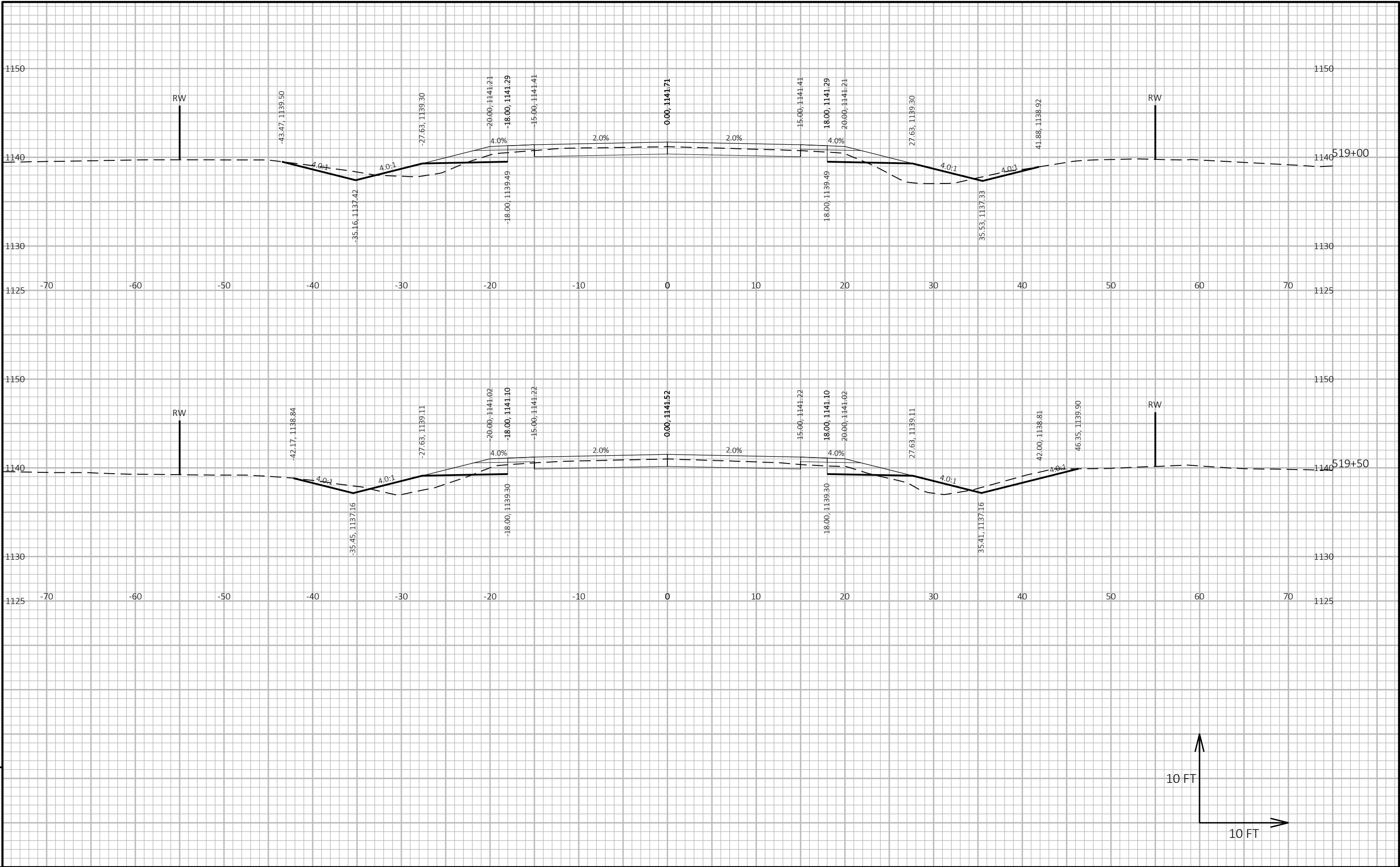
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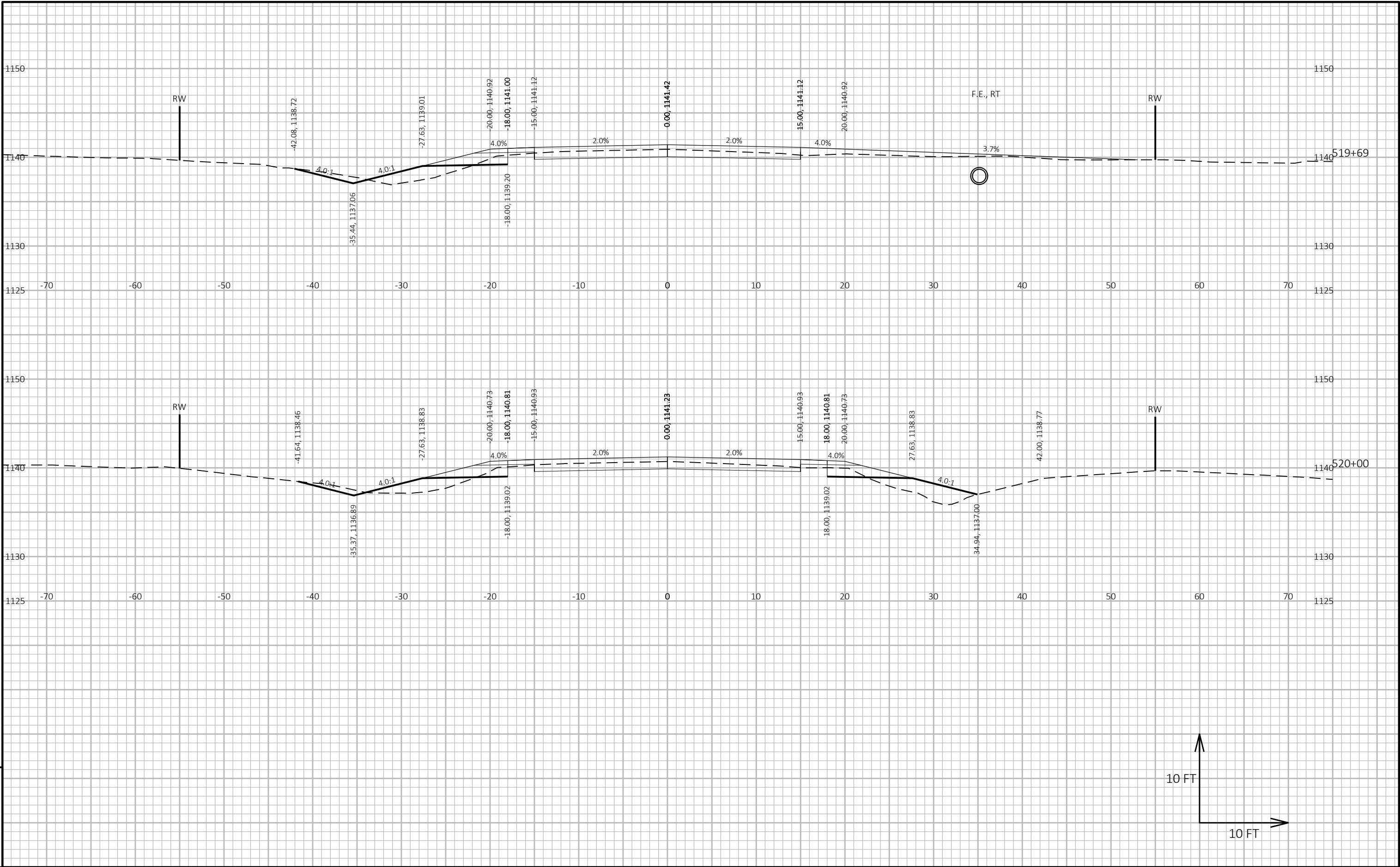


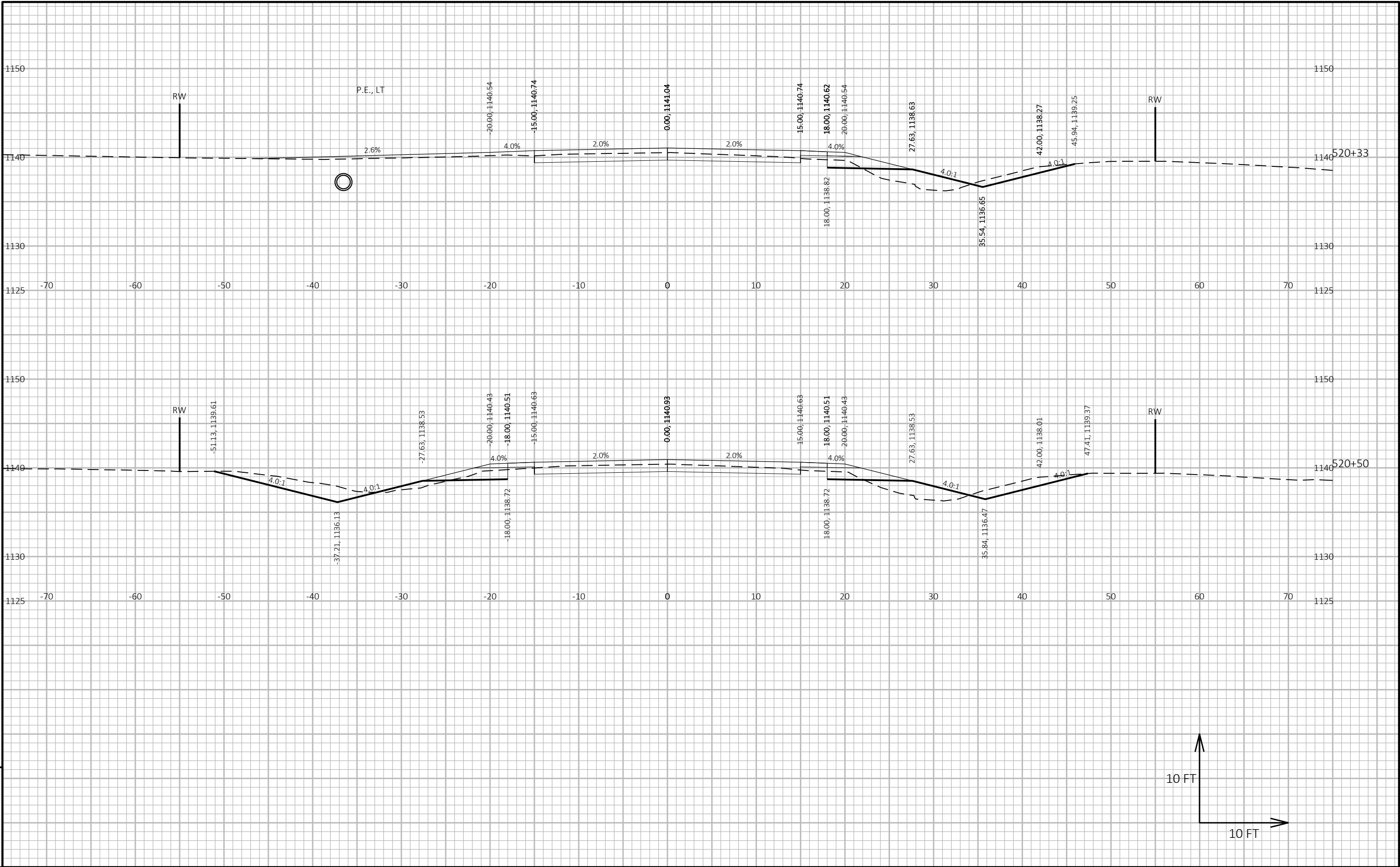


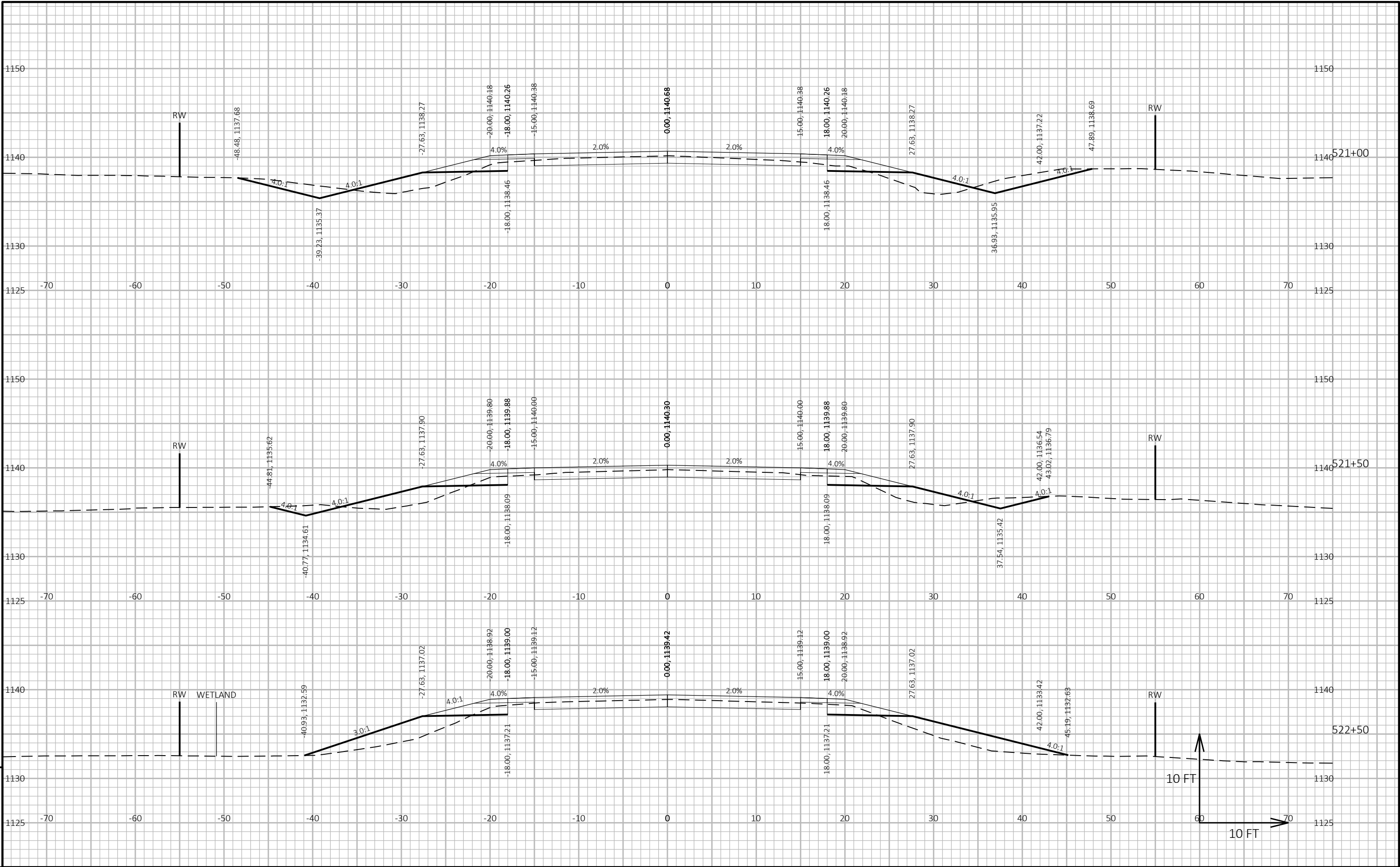


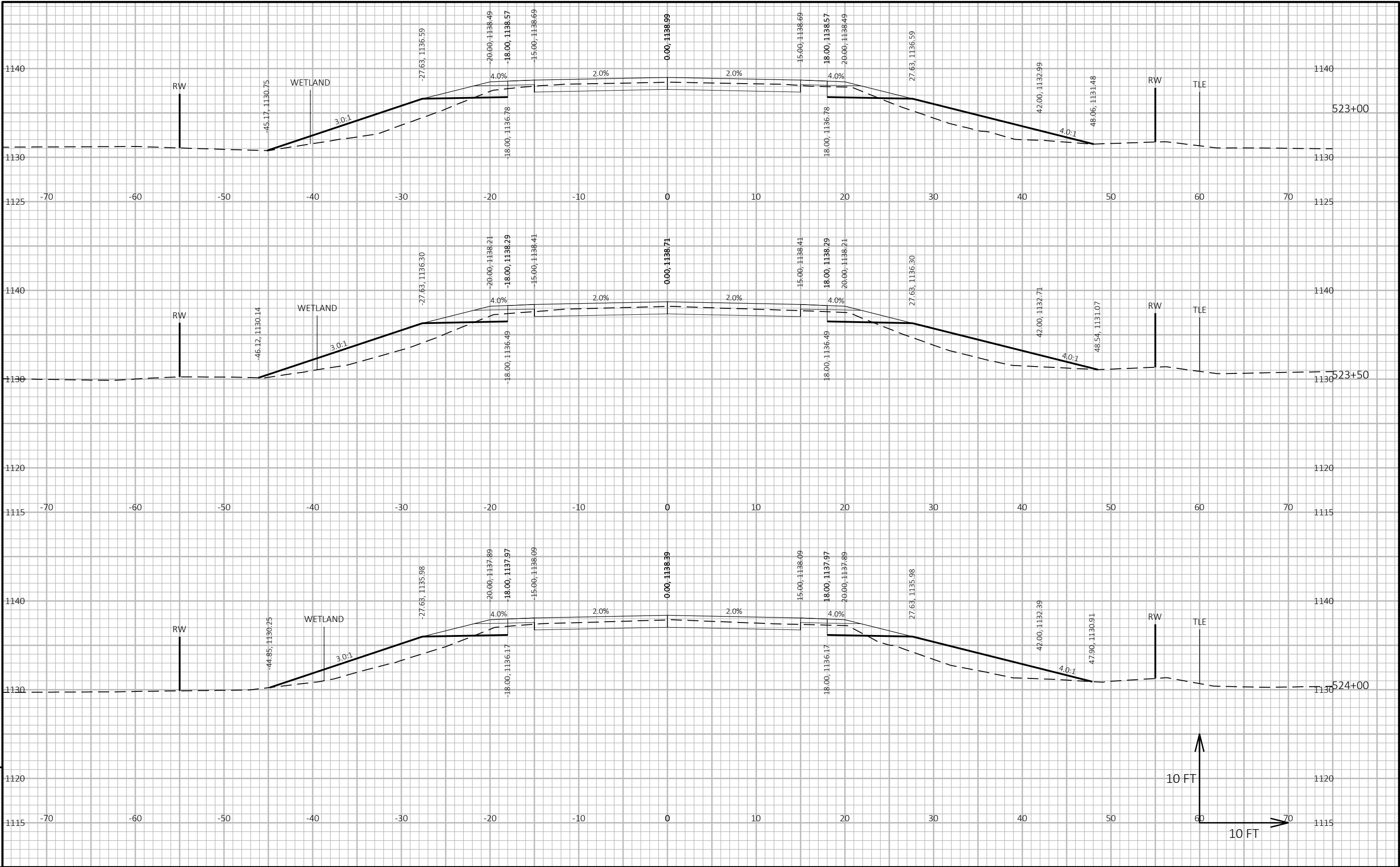
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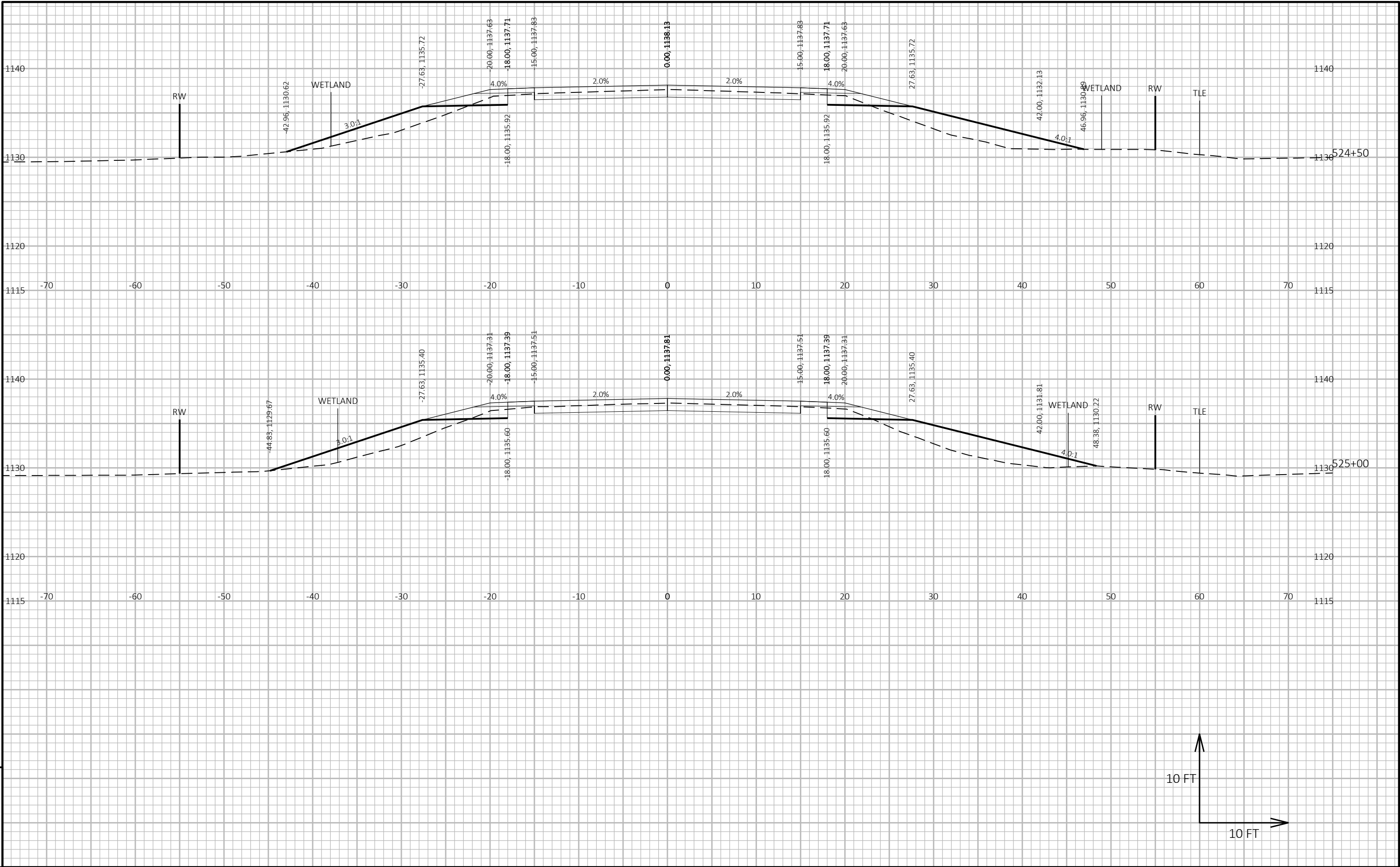
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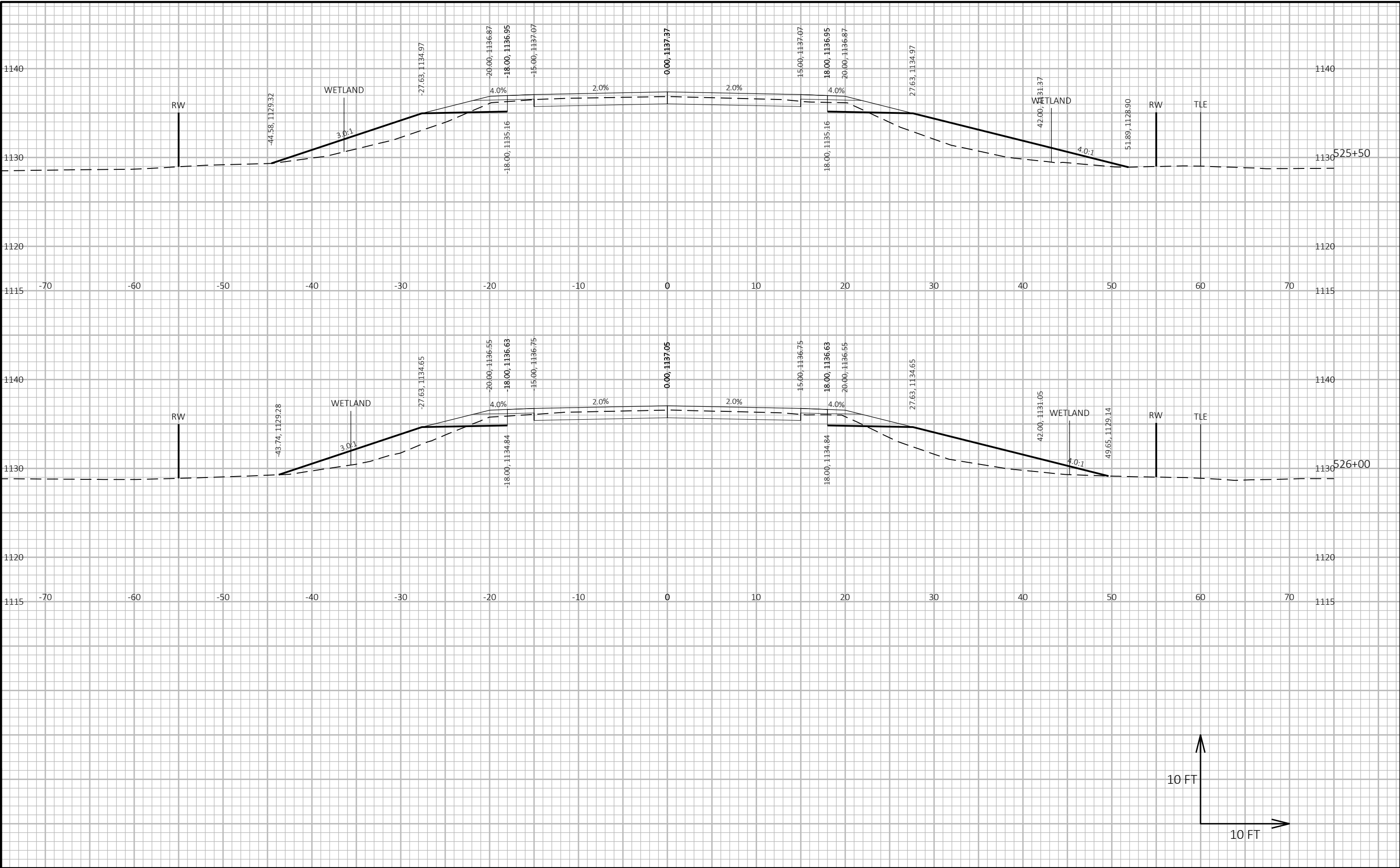


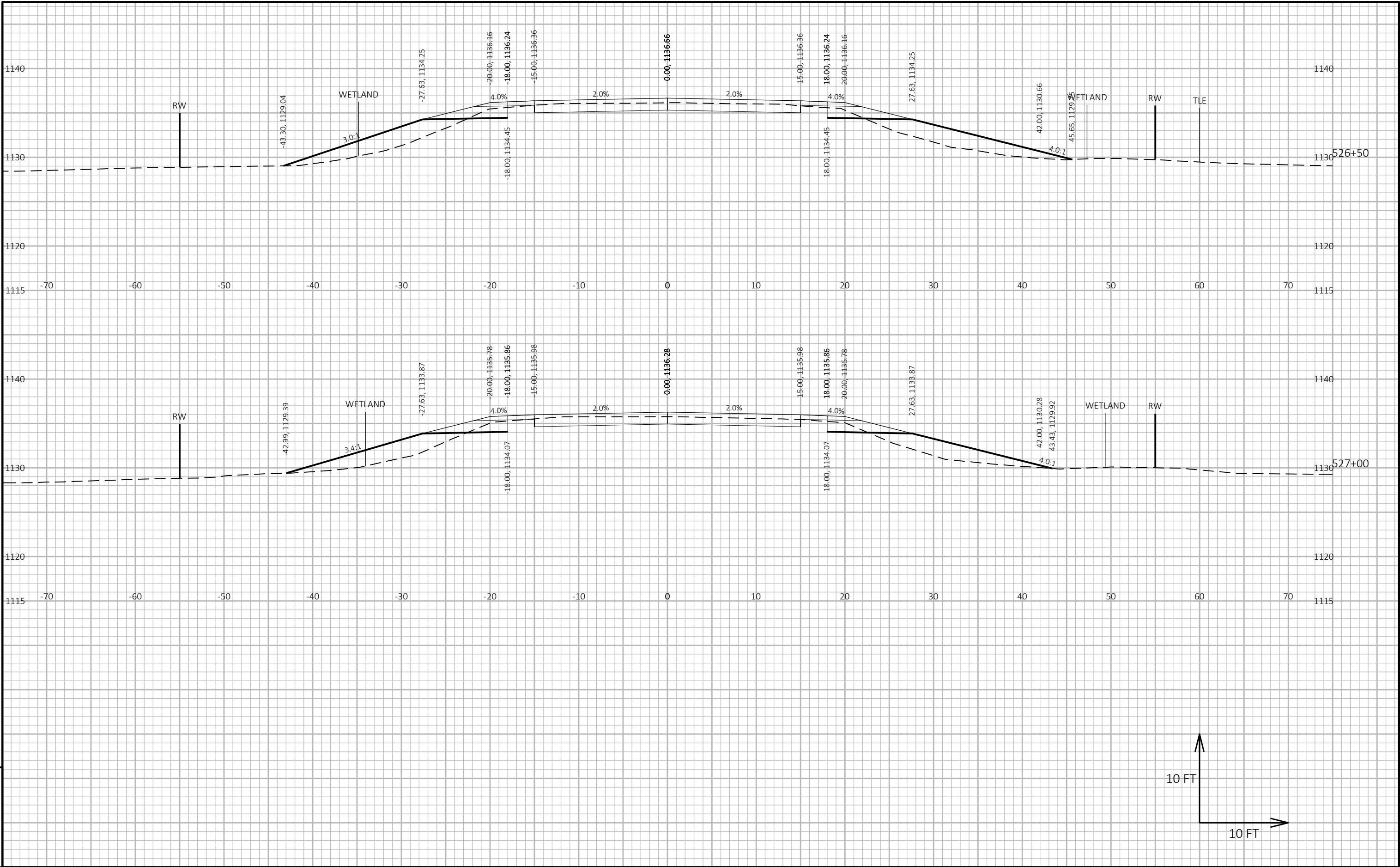






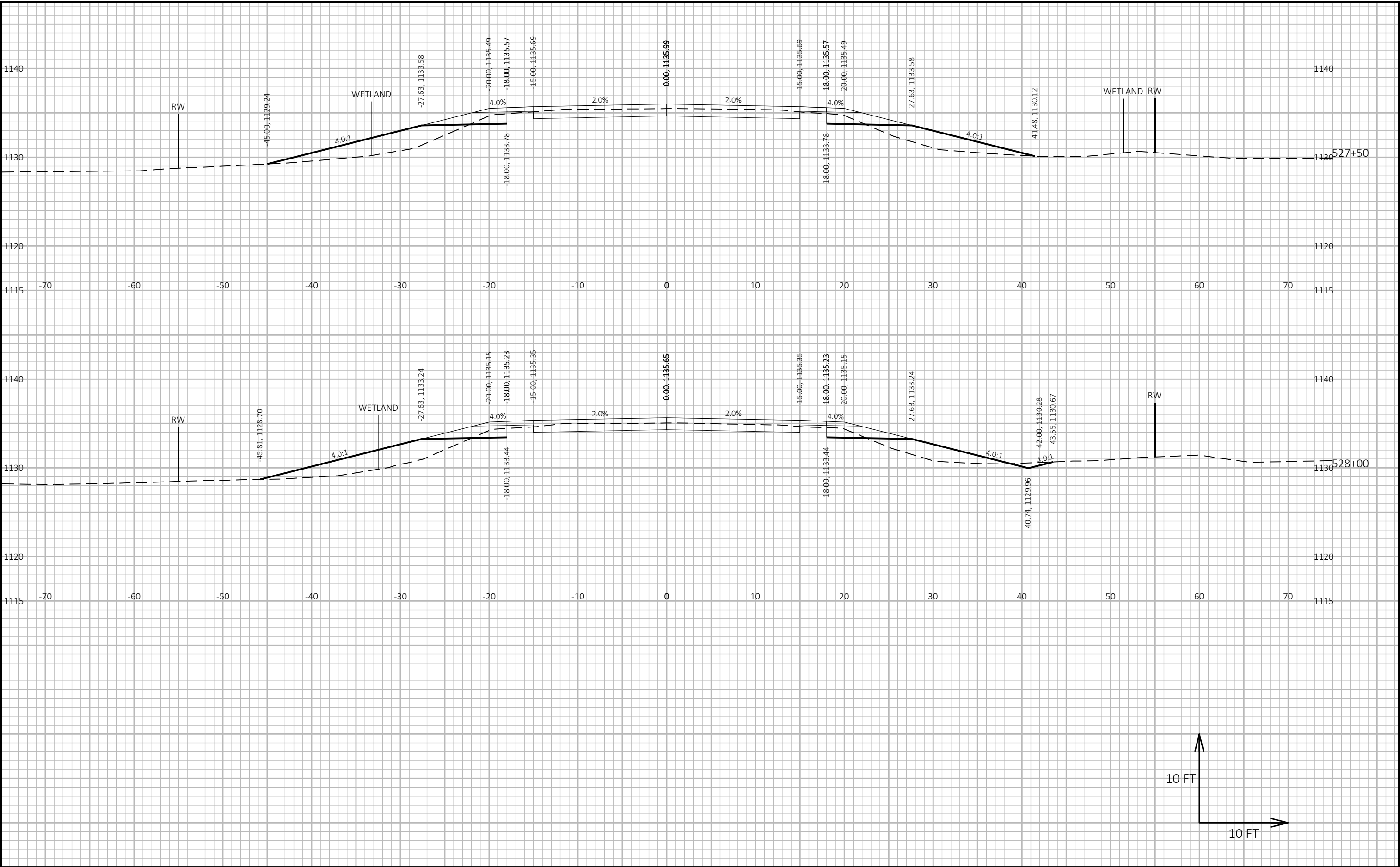


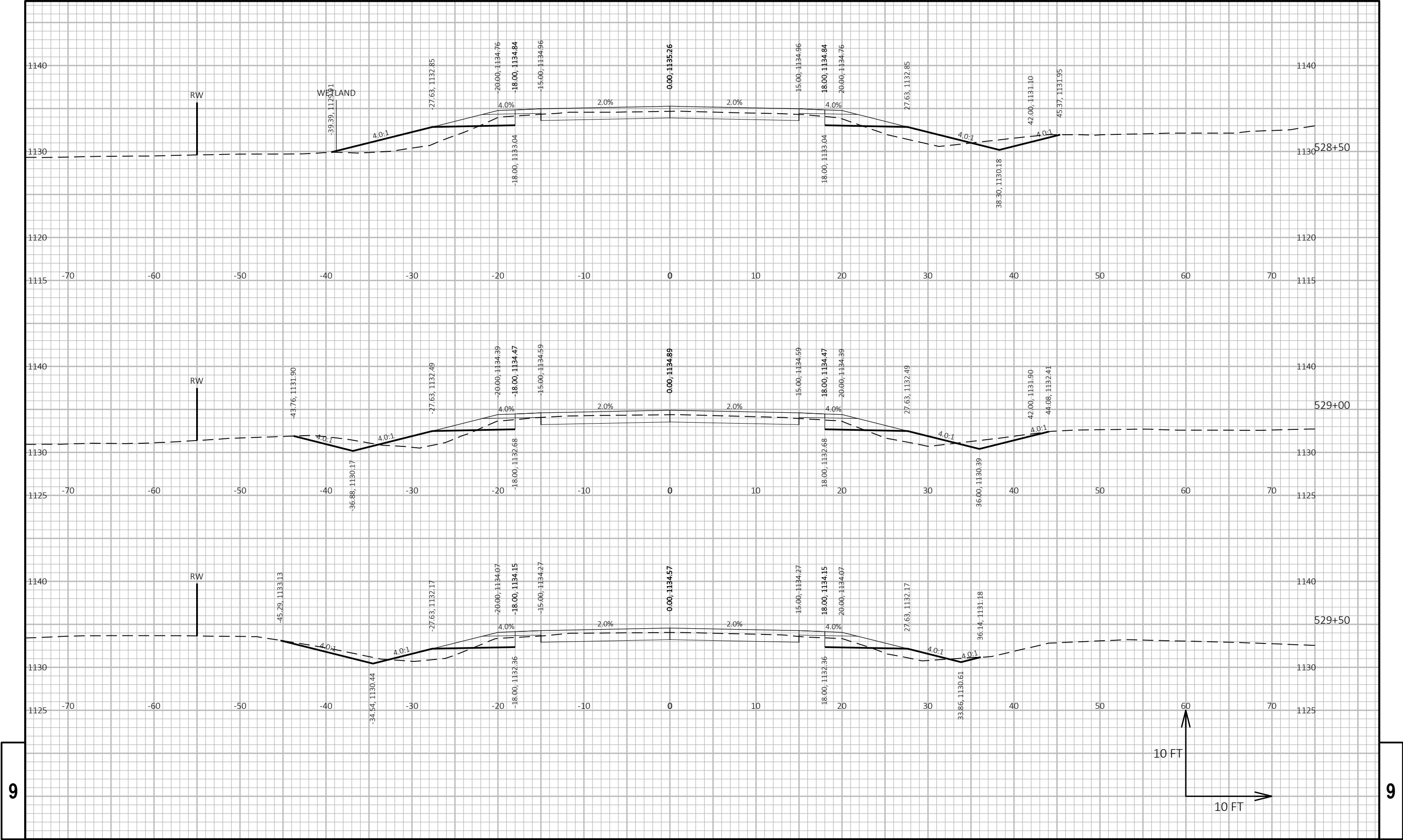




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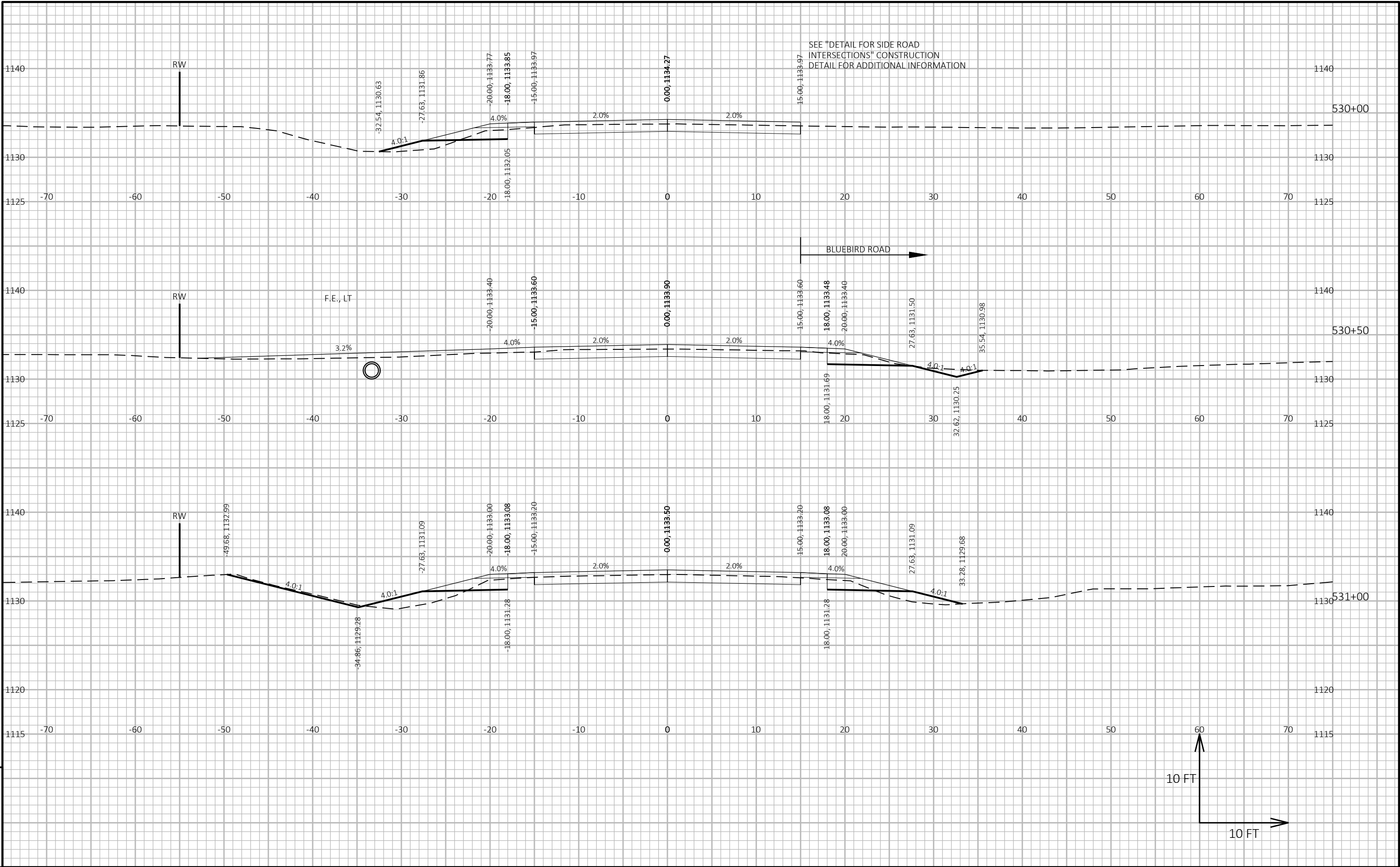
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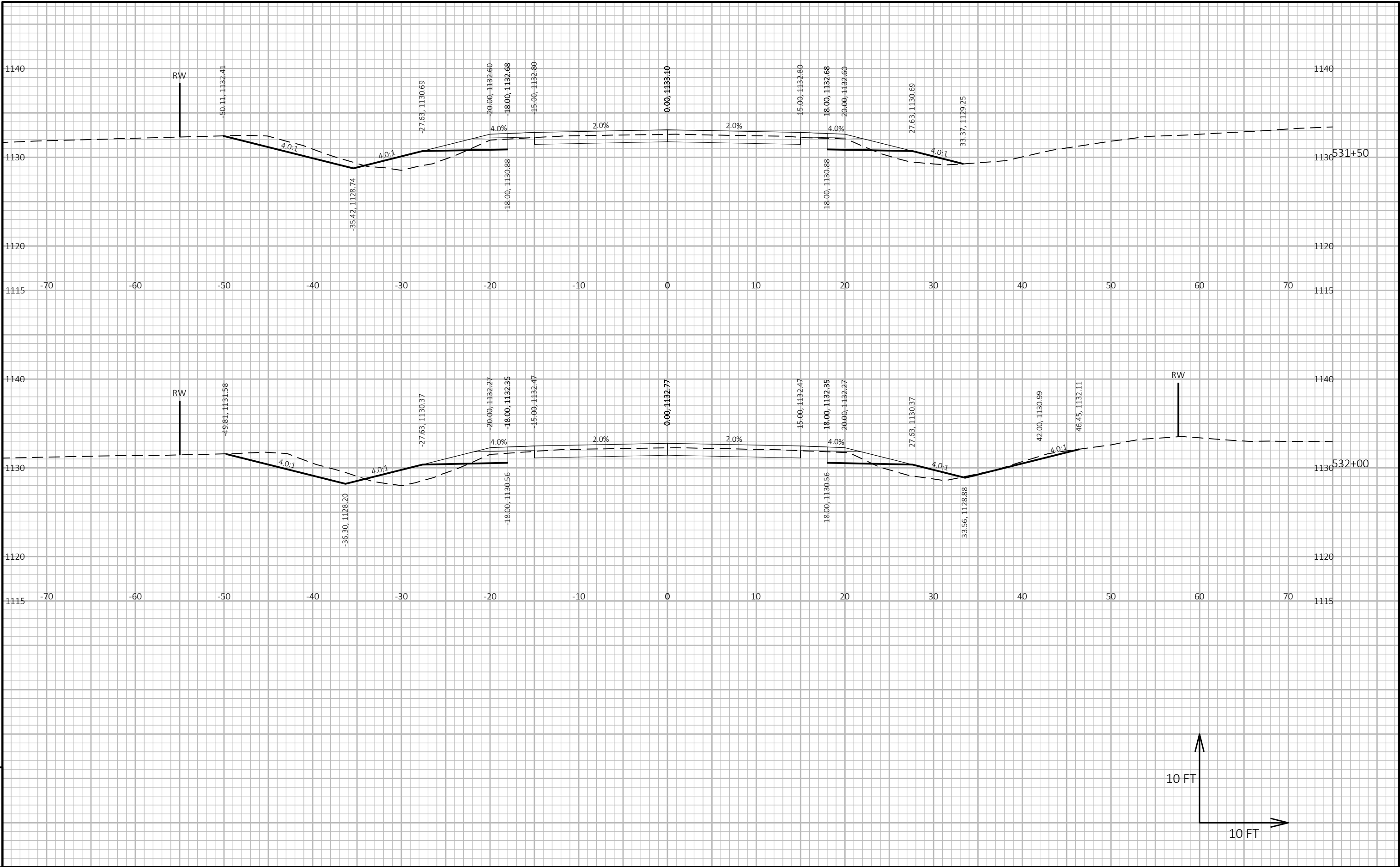


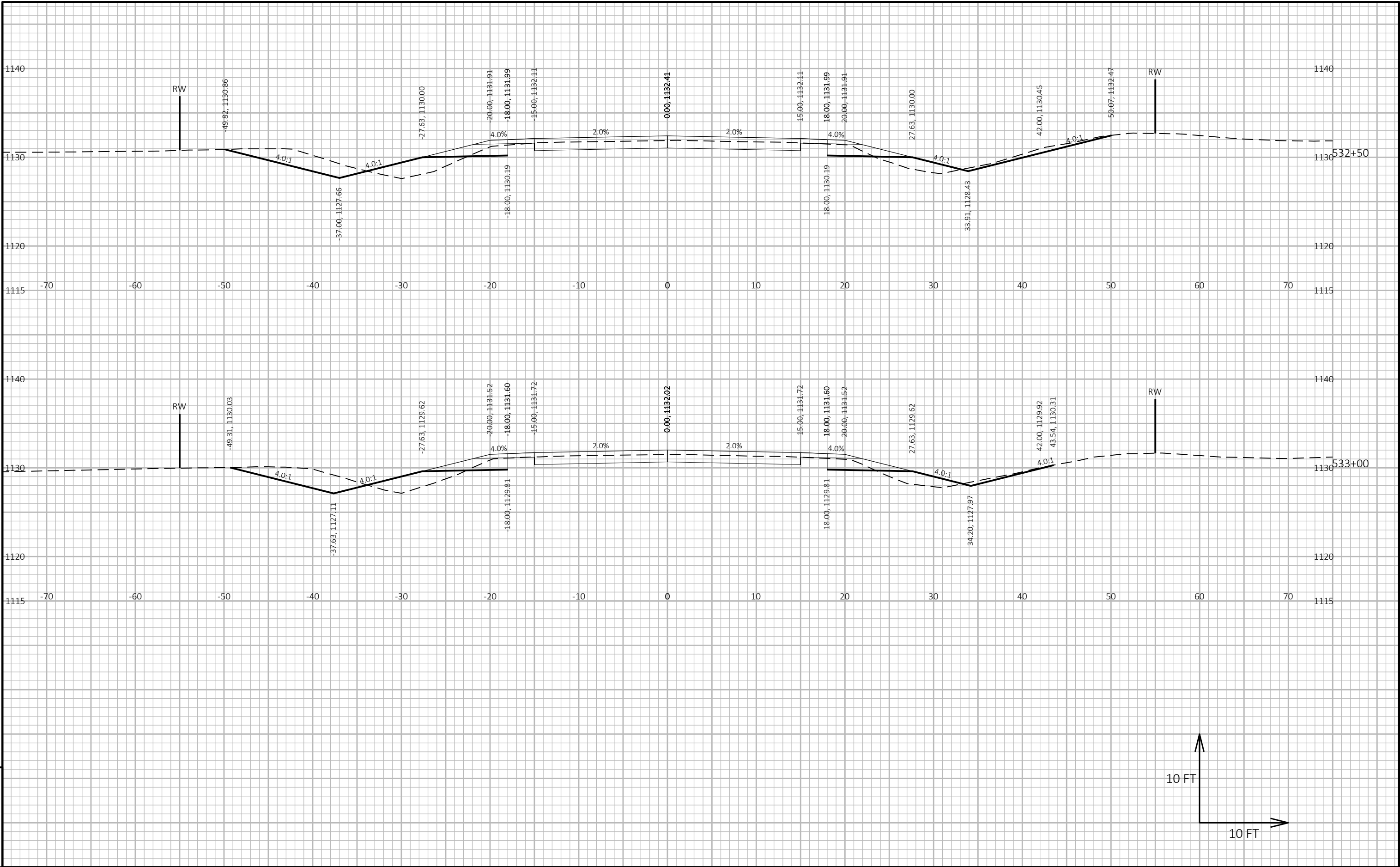


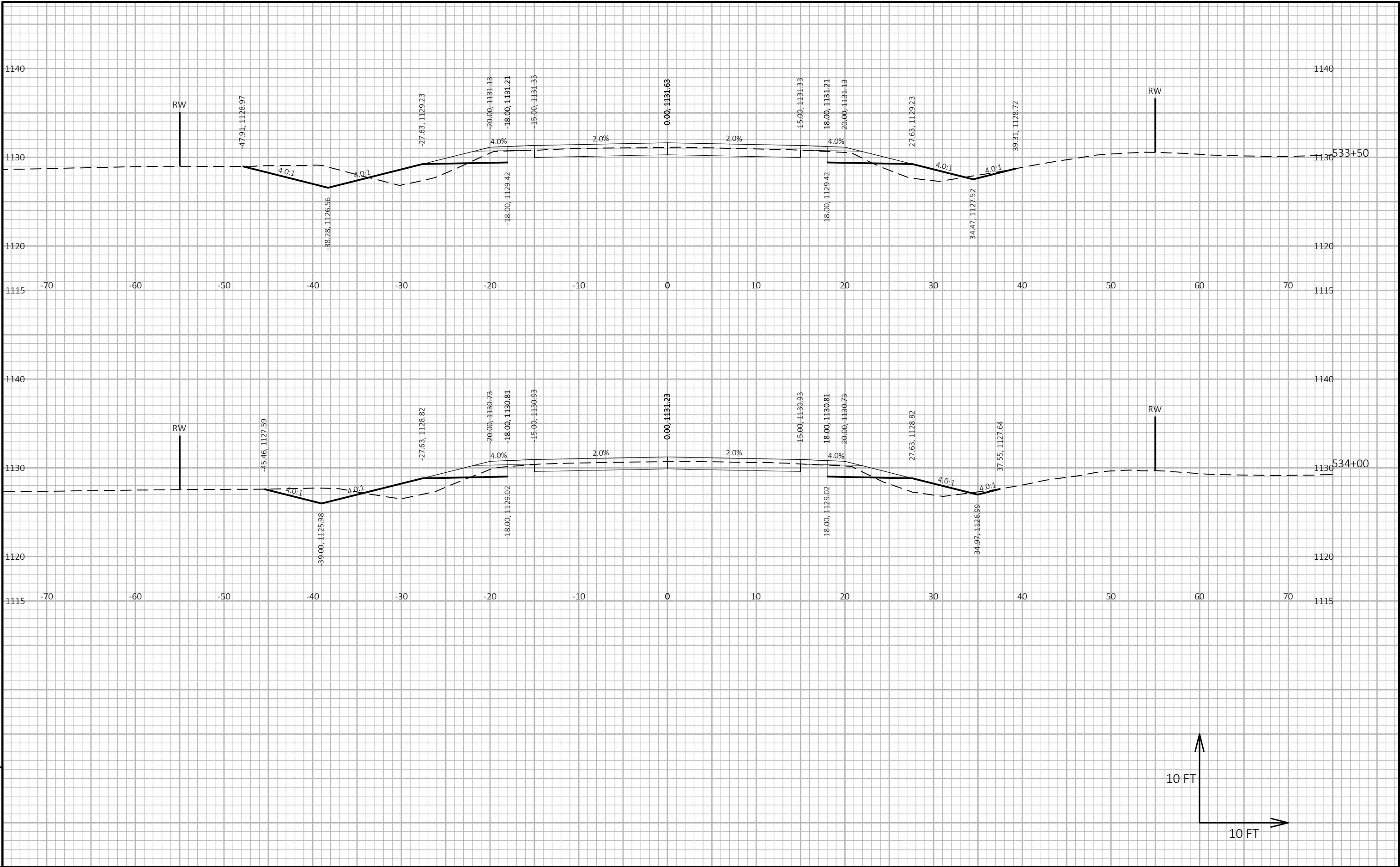
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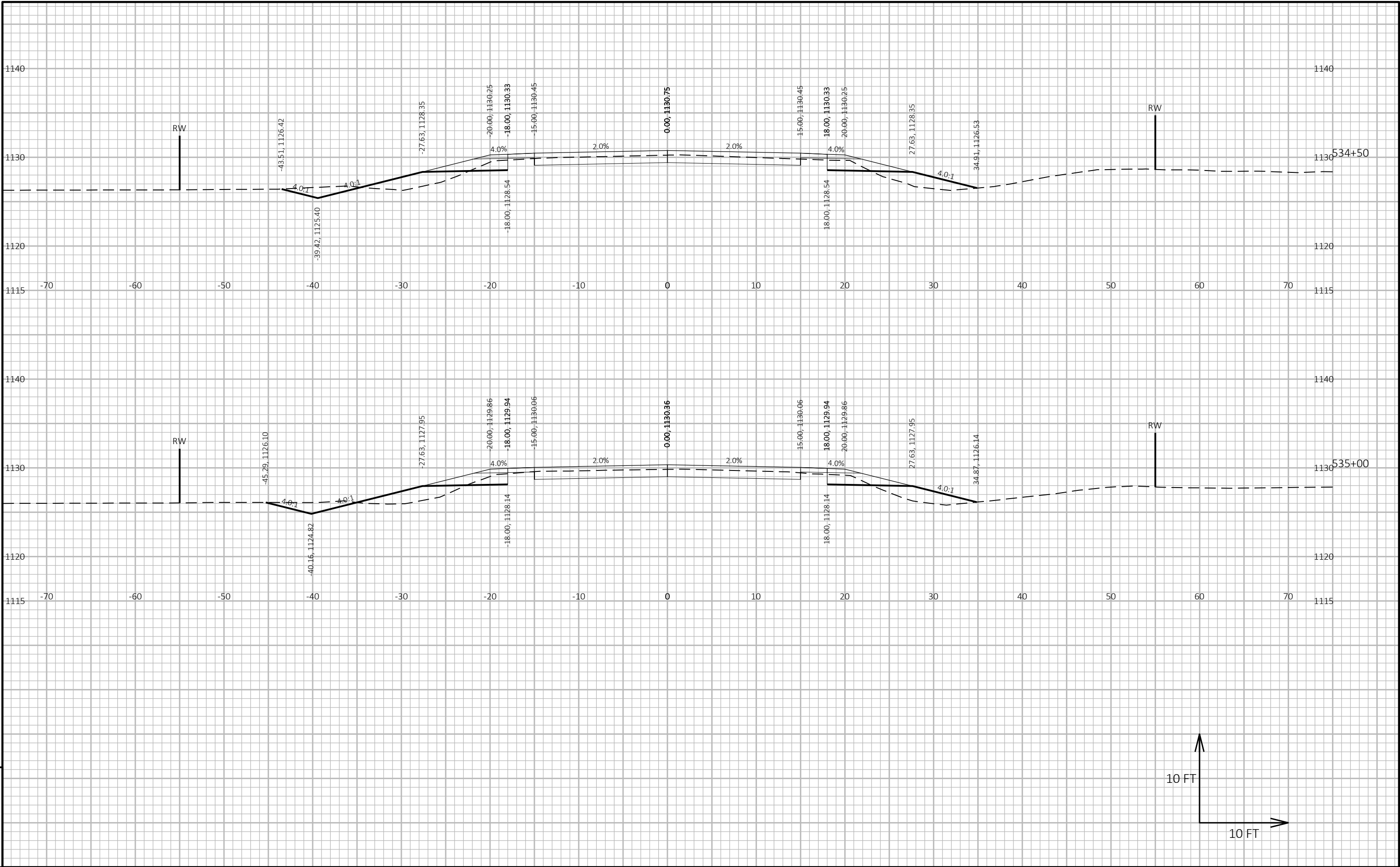
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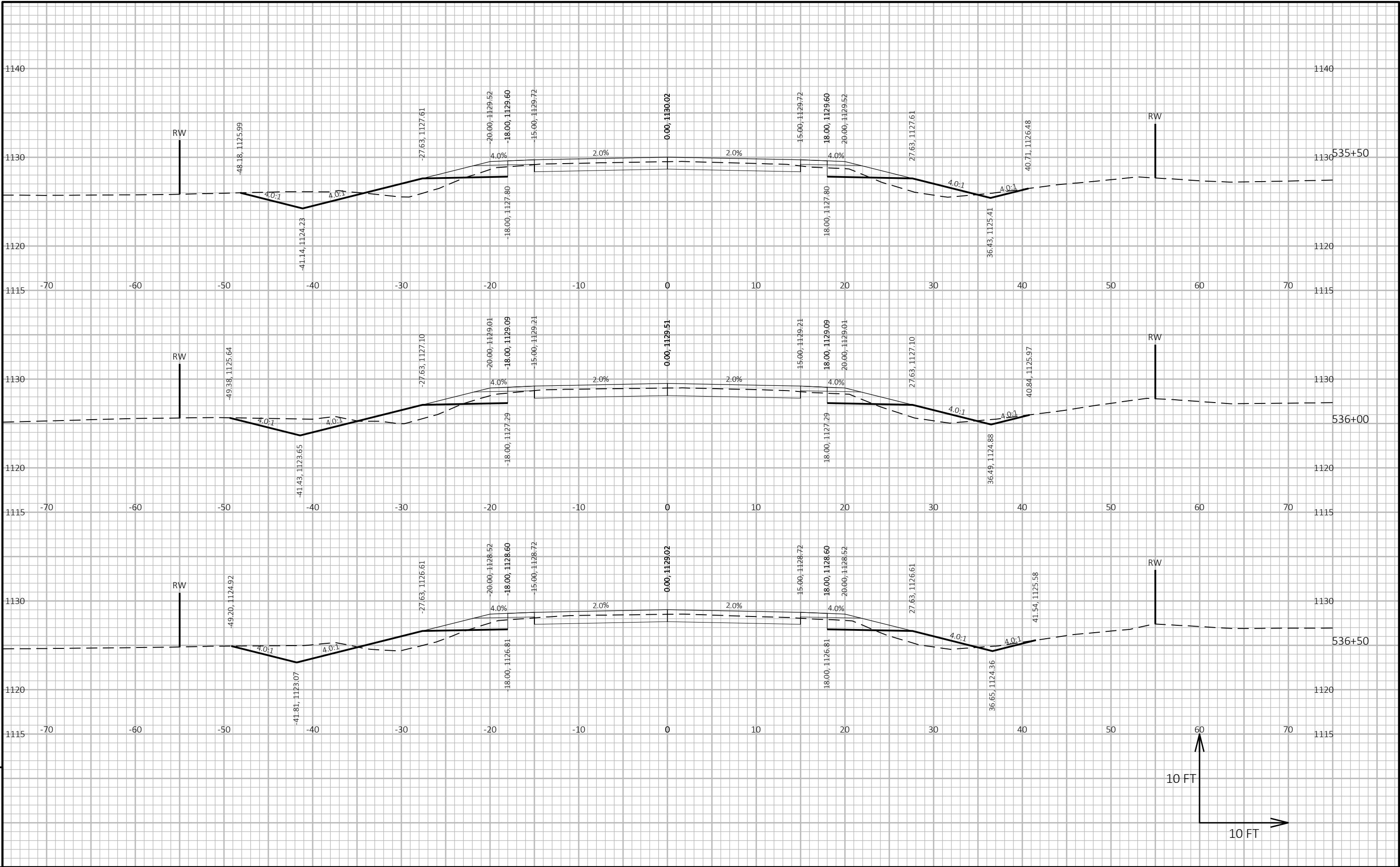








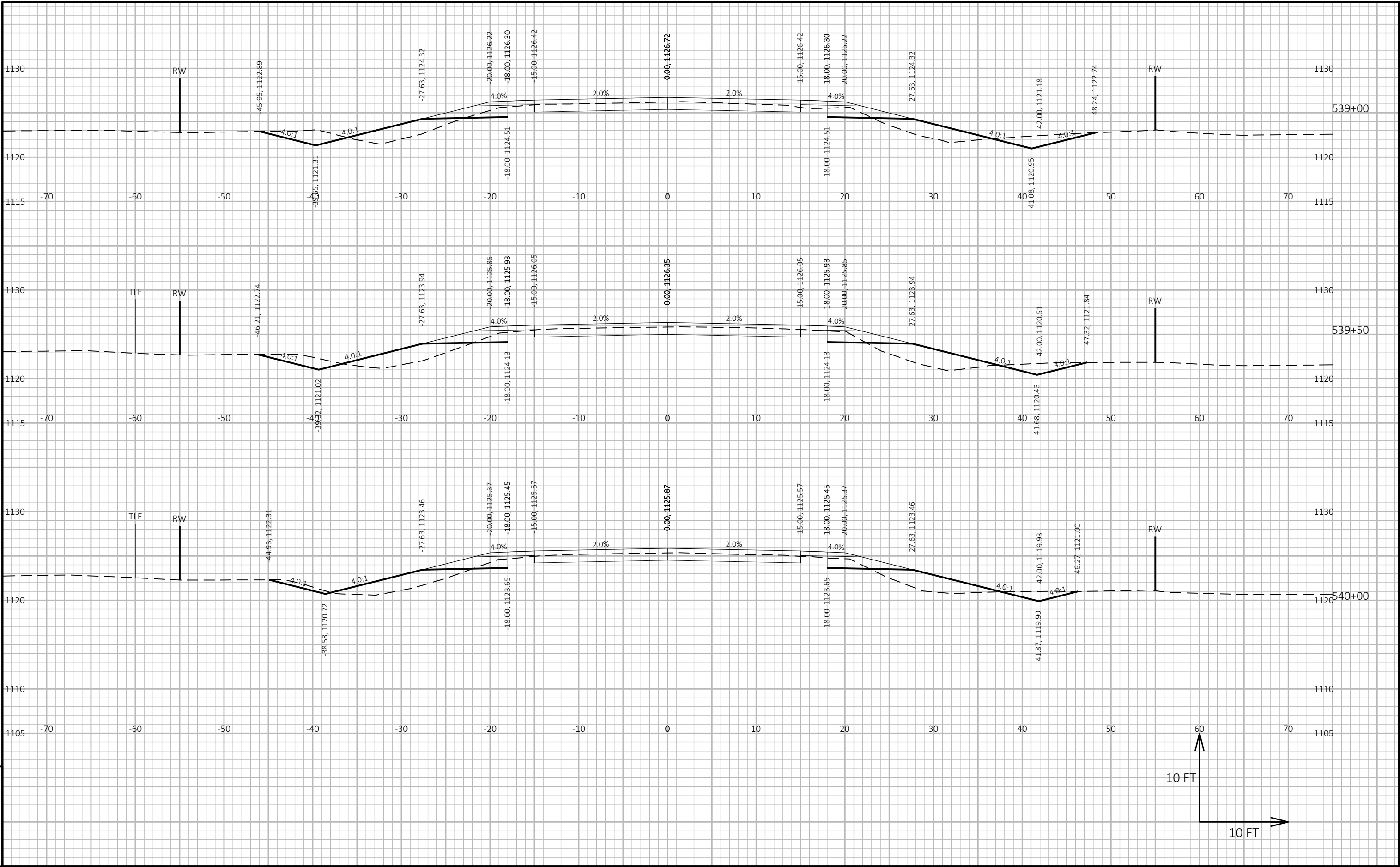


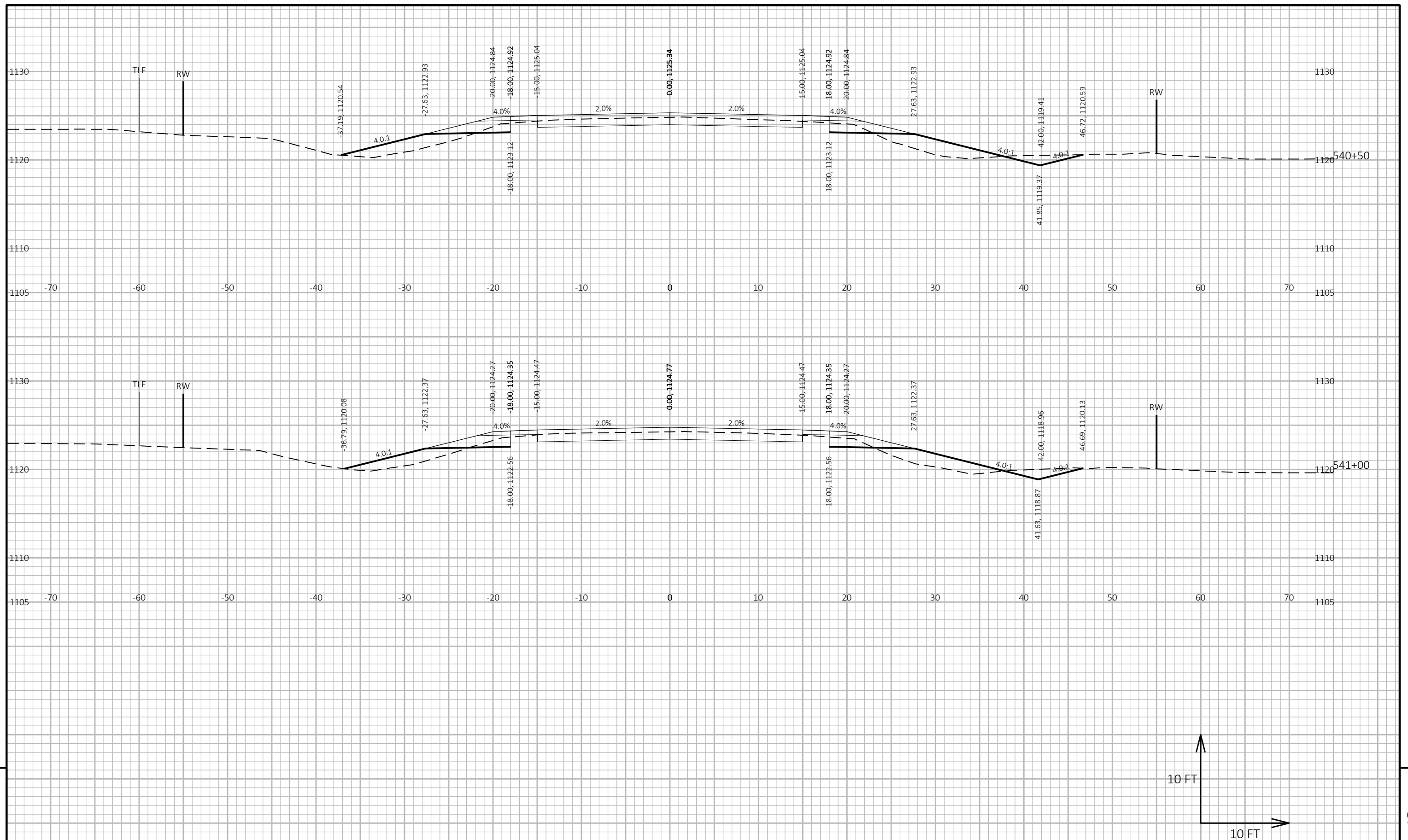




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PROJECT NO:	6340-00-74
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HWY: STH 13

COUNTY: WOOD/PORTAGE

CROSS SECTIONS: STH 13

SHEET
352

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FILE NAME : S:\MAD\2000--2099\2089\052\DRAWINGS\CAD\CIVIL 3D\SHEETS\090104-XS.DWG
LAYOUT NAME - 090204-xs-27

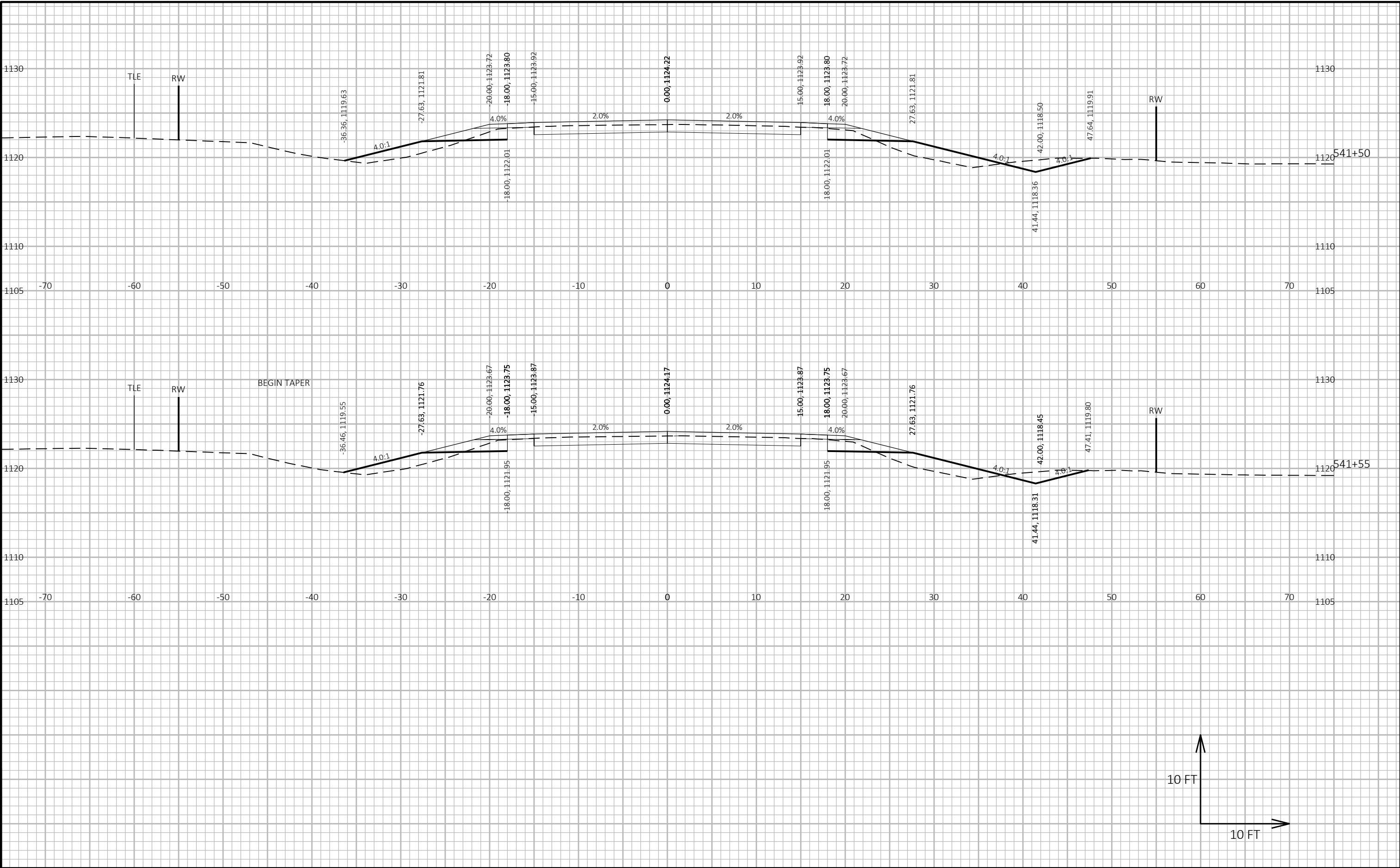
PLOT DATE : 4/30/2025 2:44 PM

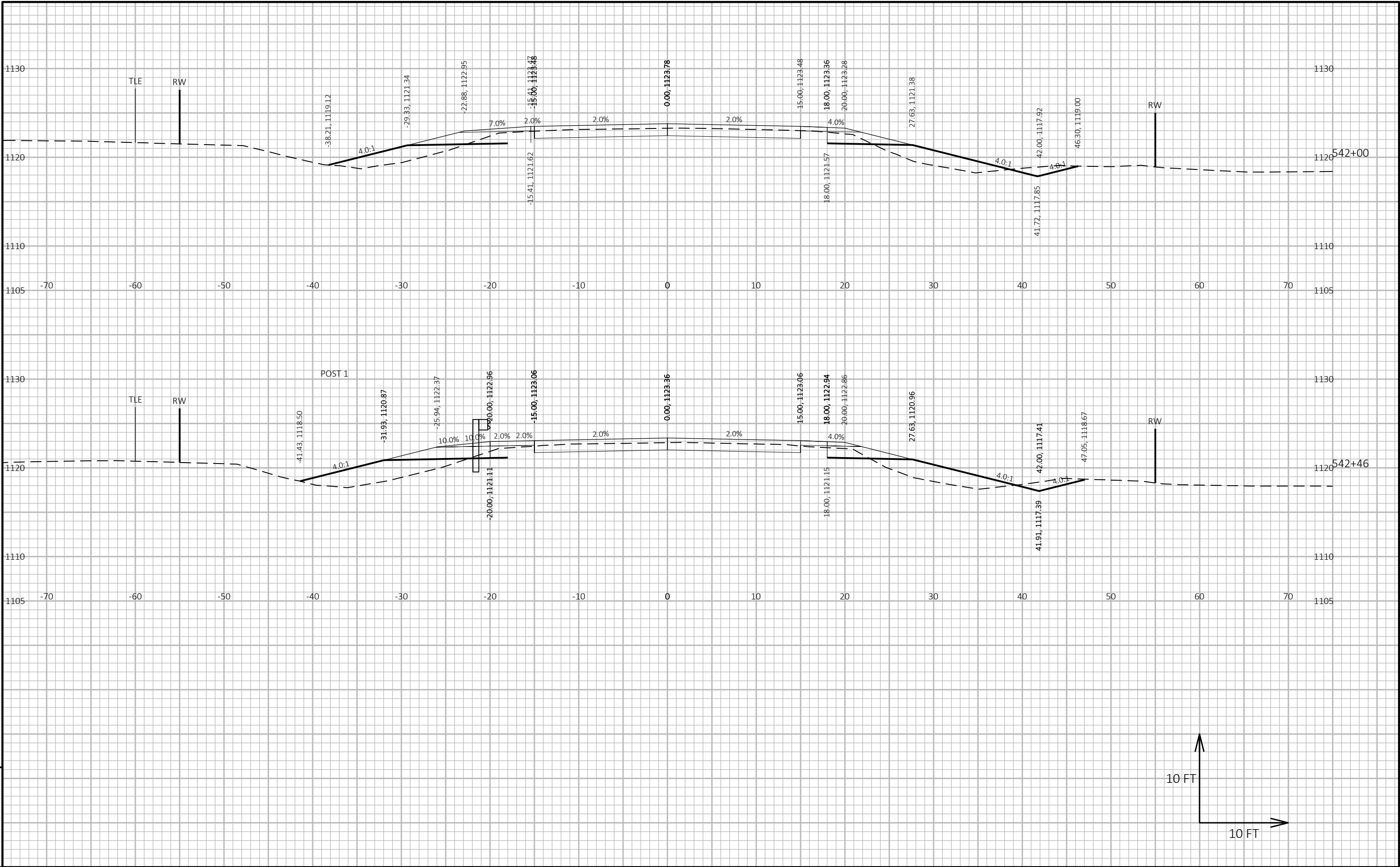
PLOT BY : HABERKORN, DEVEN

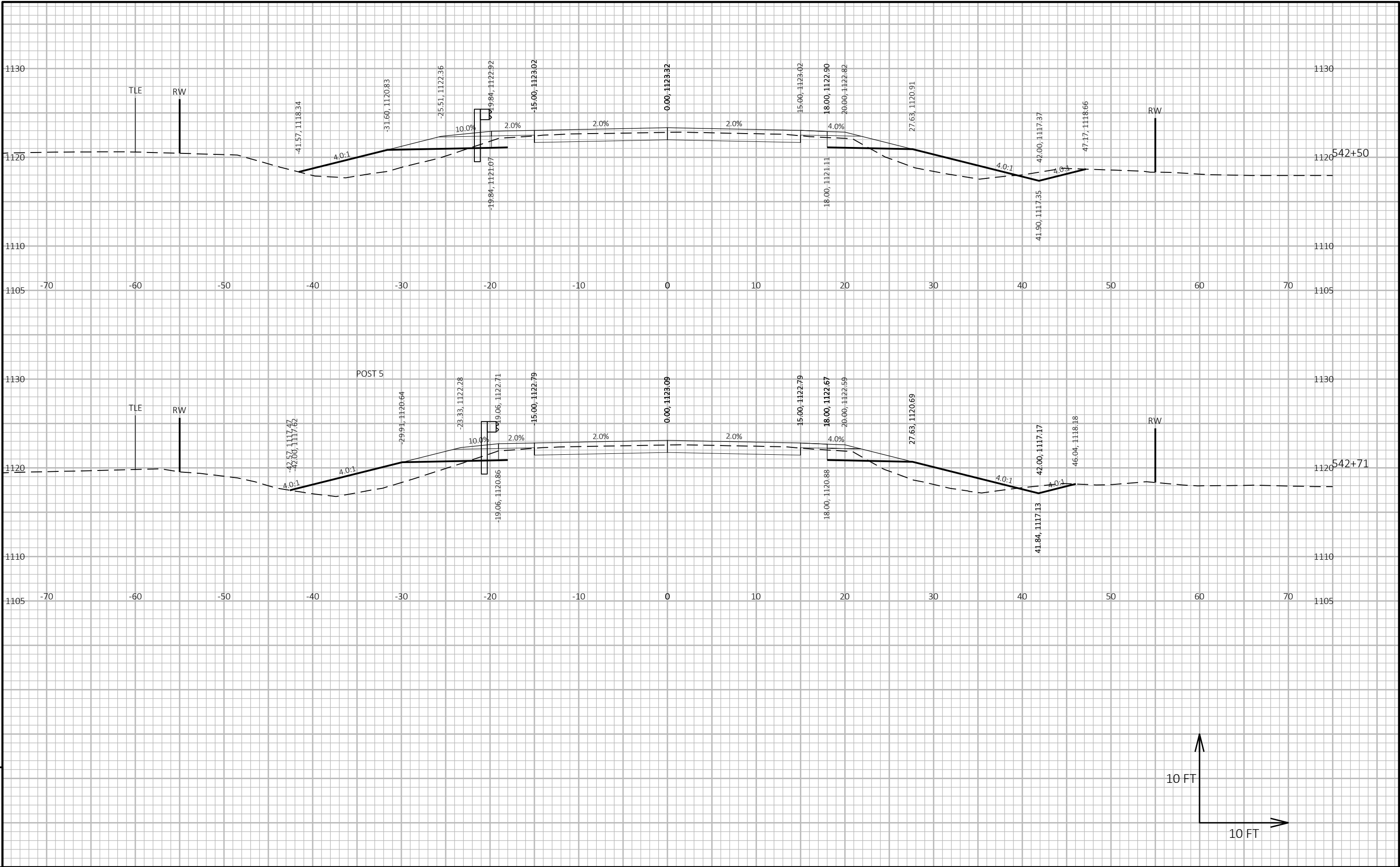
PLOT NAME :

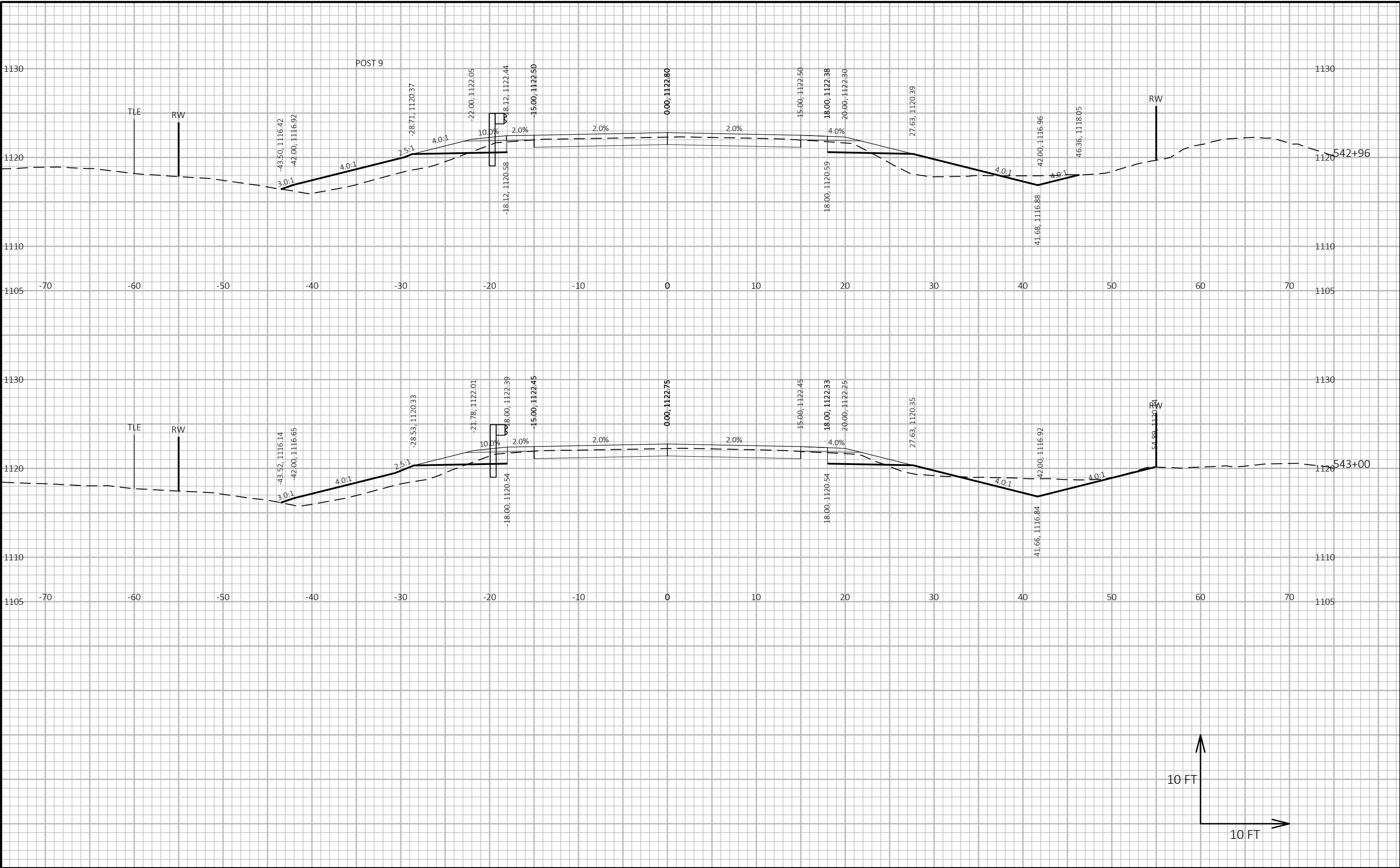
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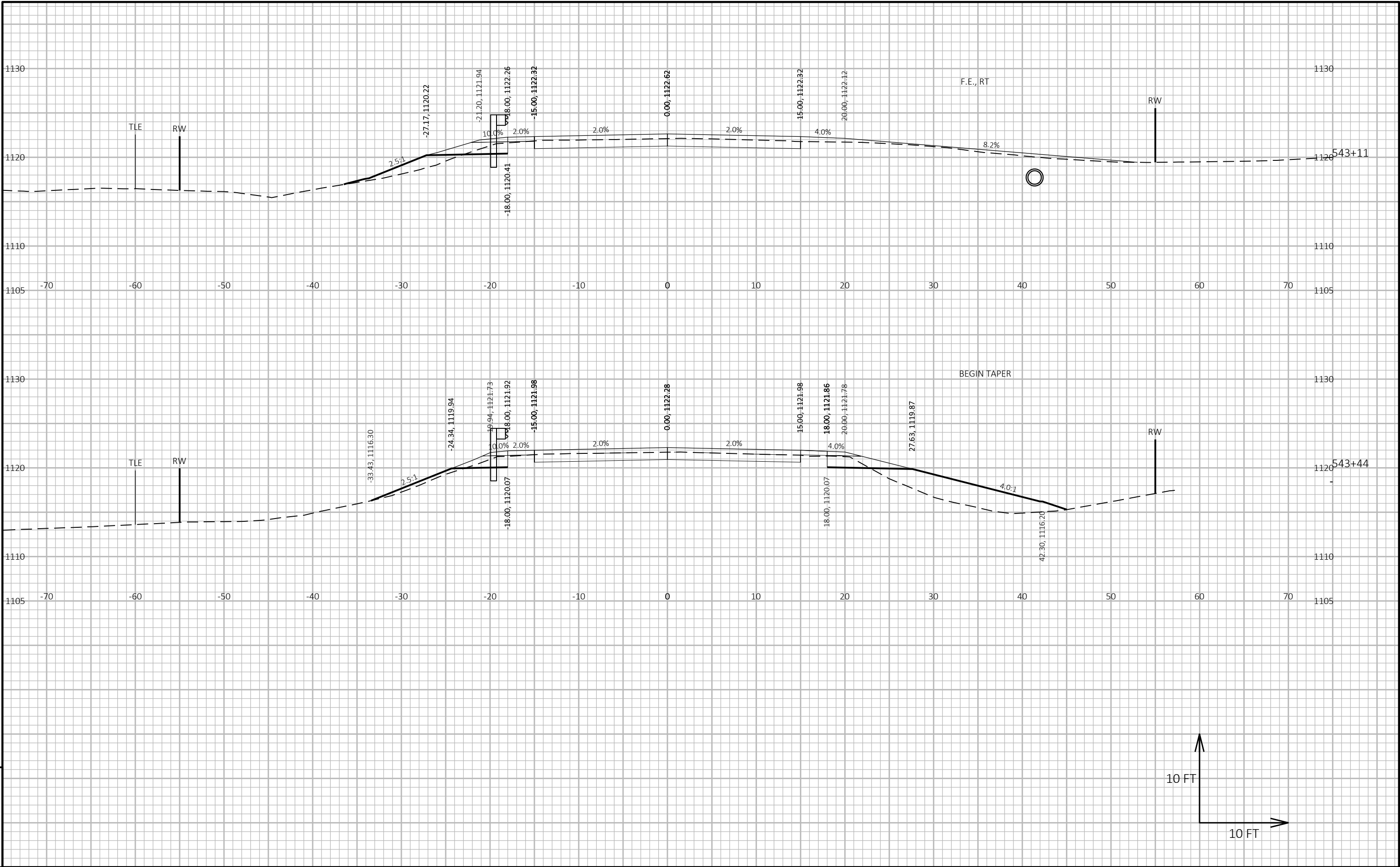
WISDOT/CADDS SHEET 49

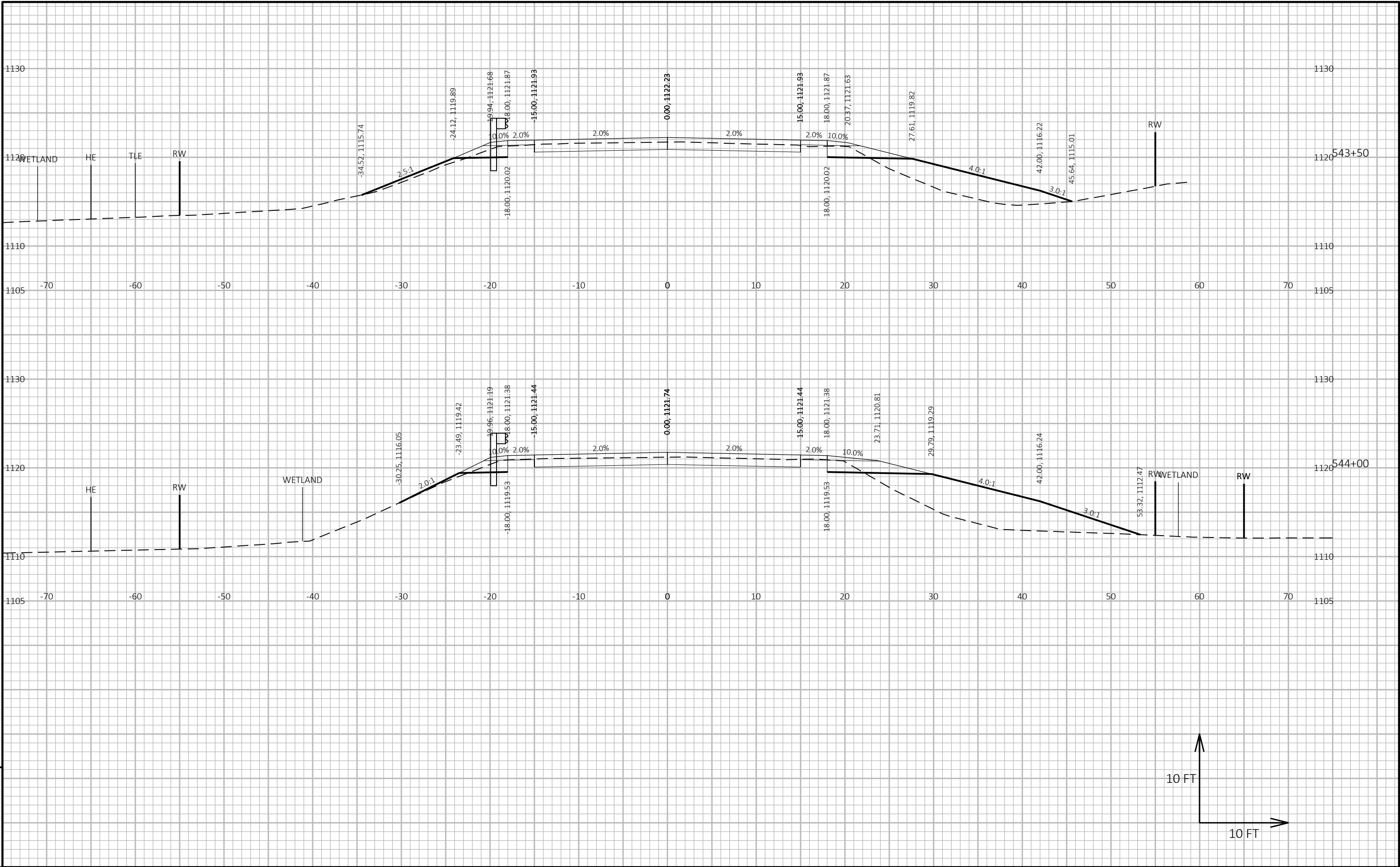








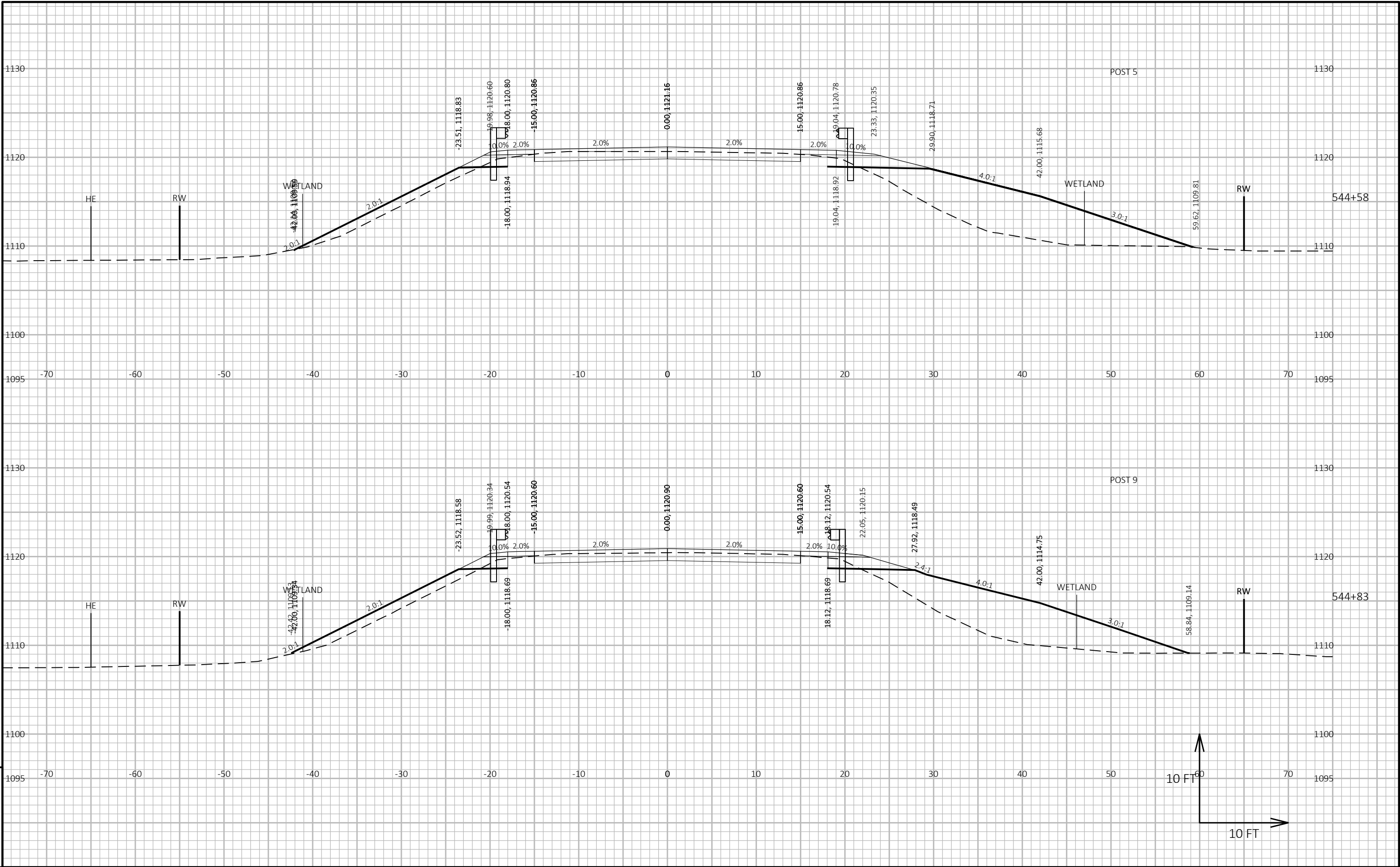


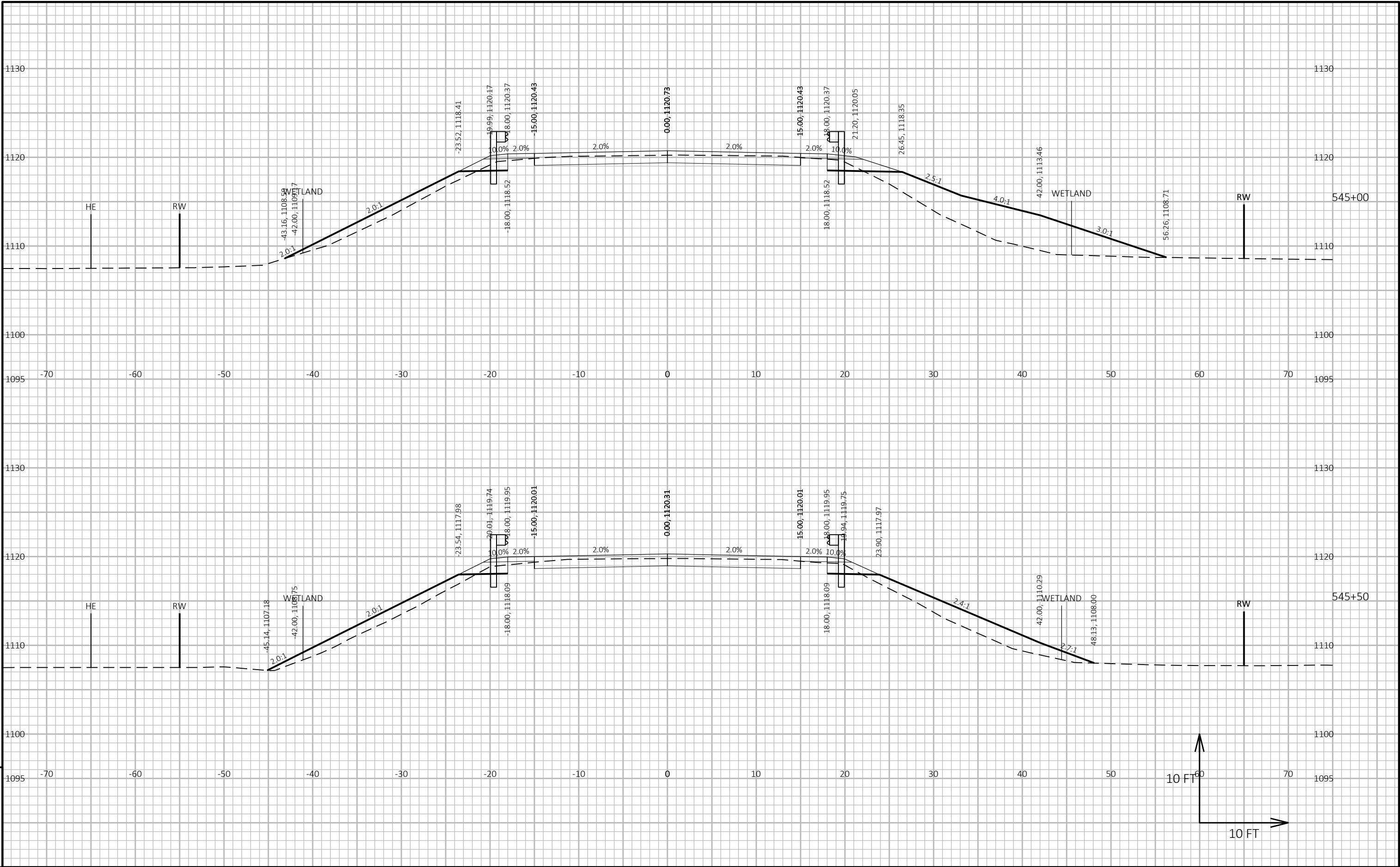


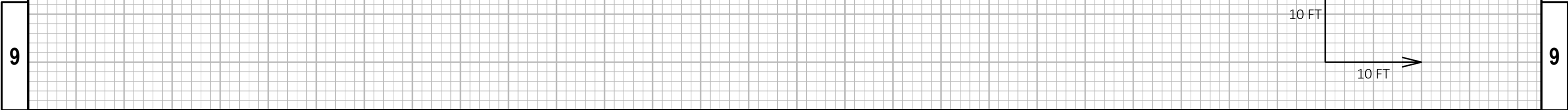
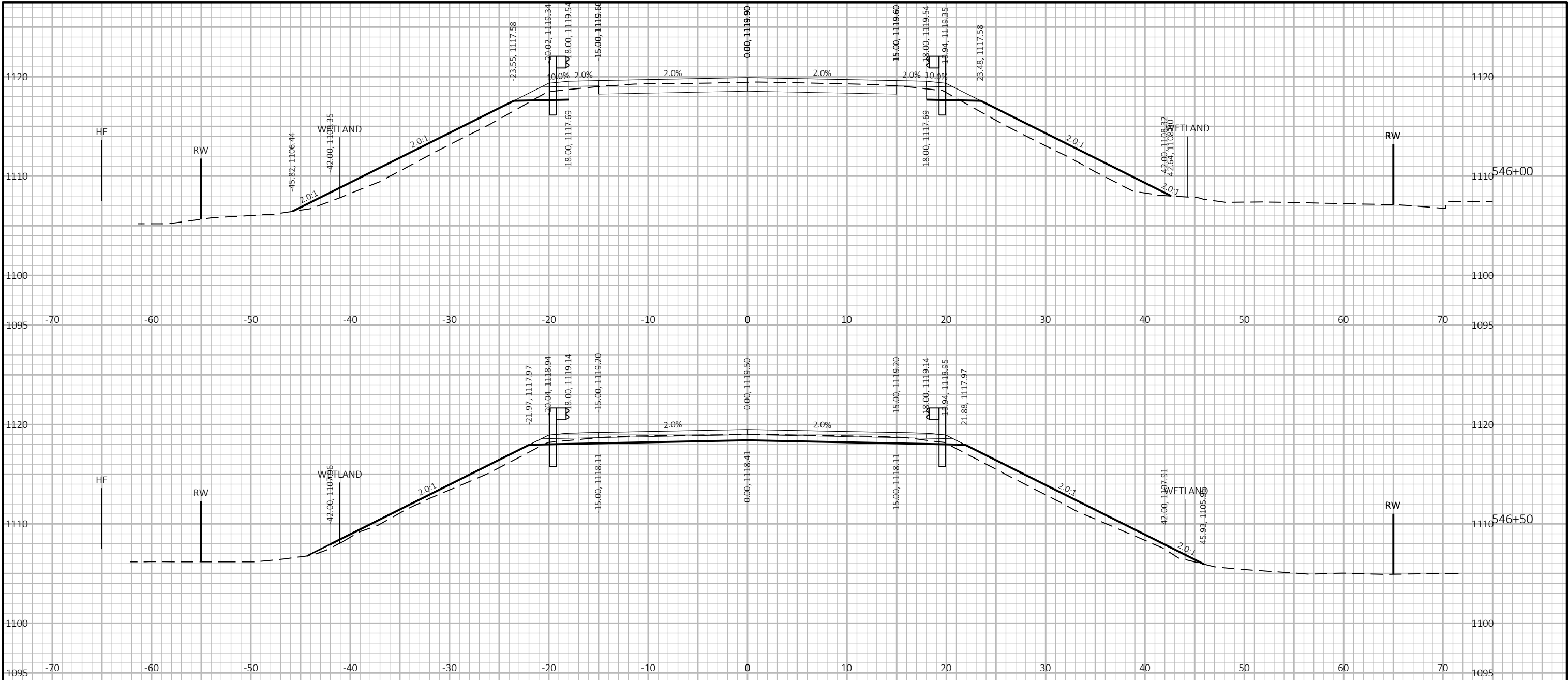
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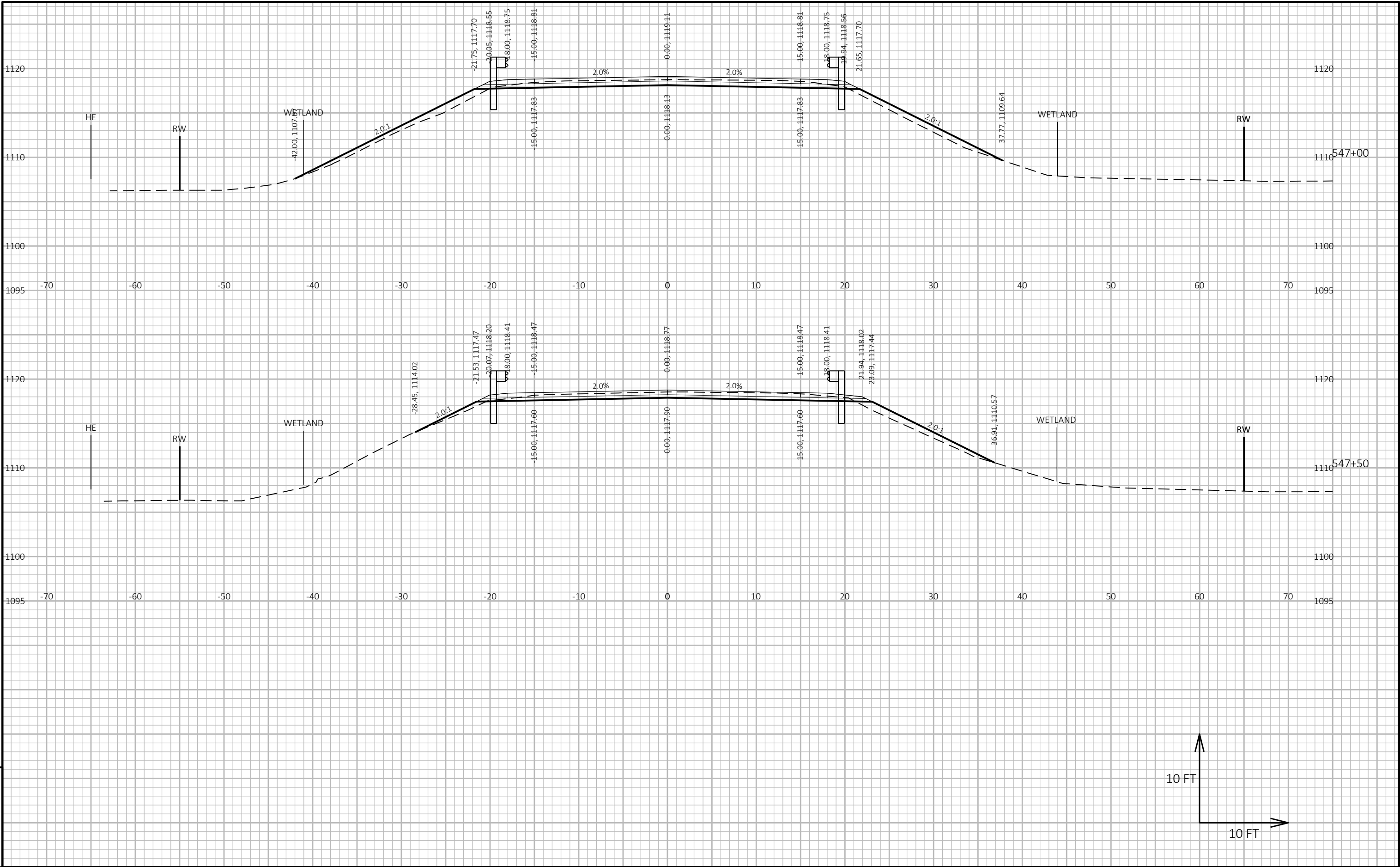
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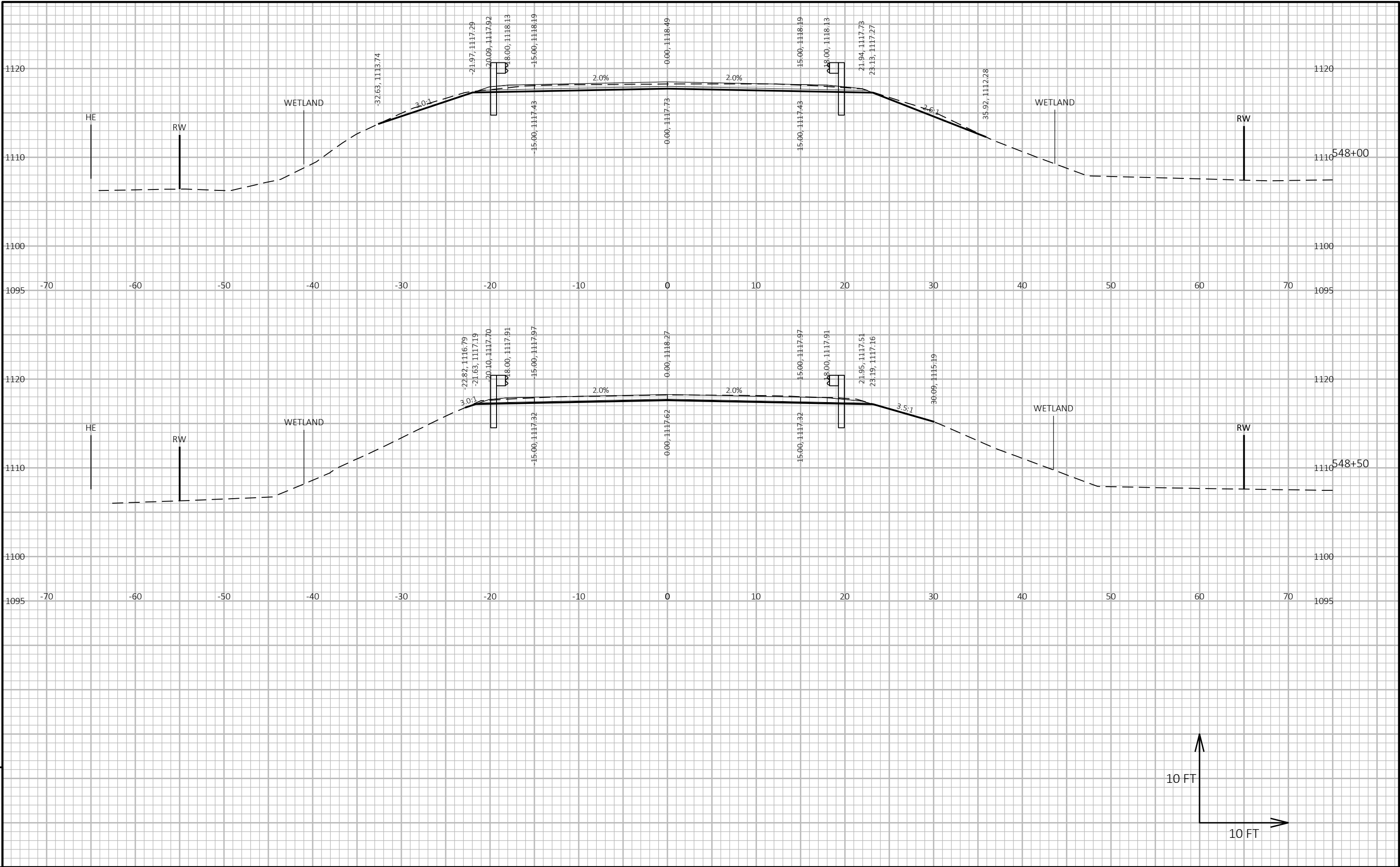
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 358	E
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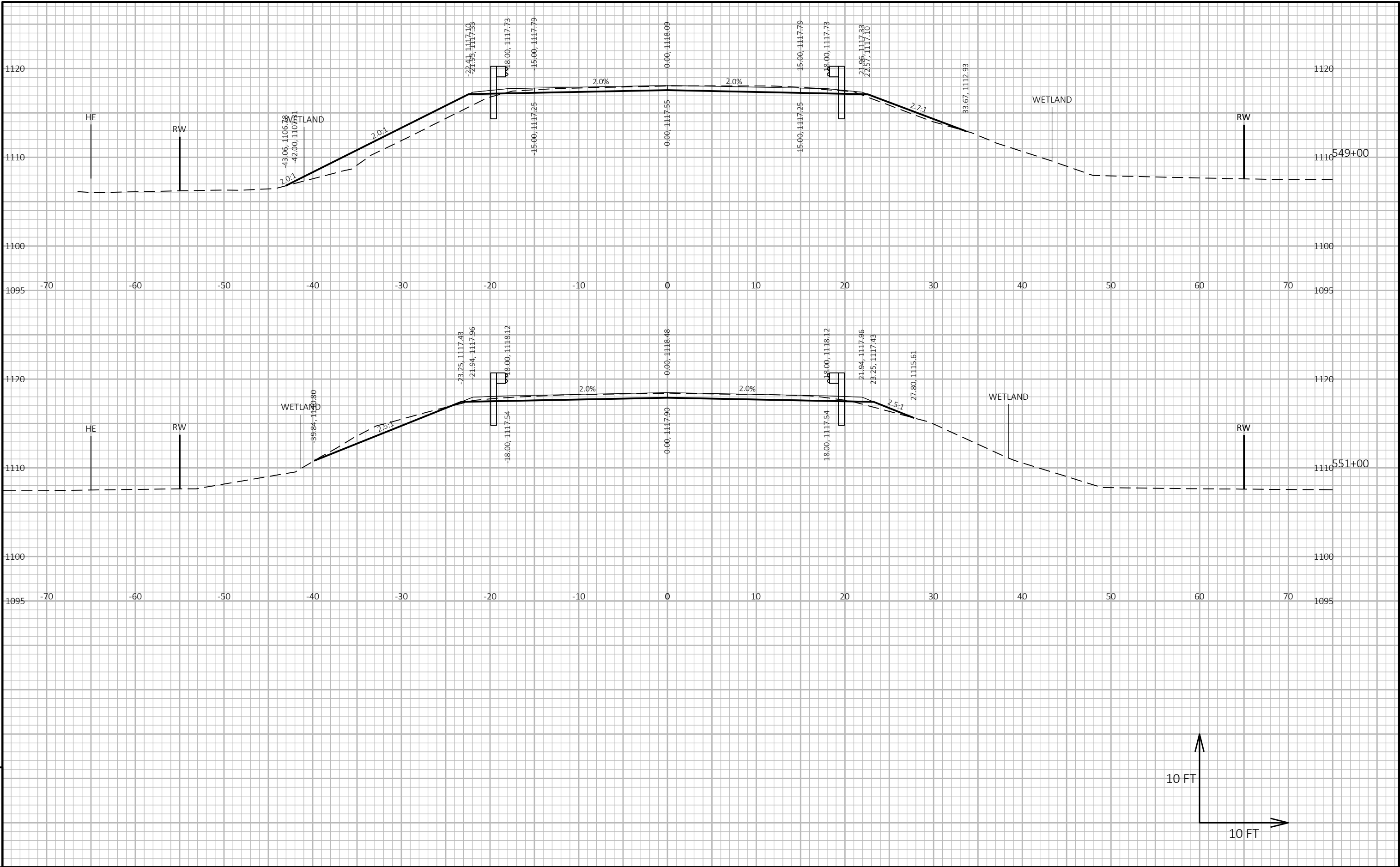


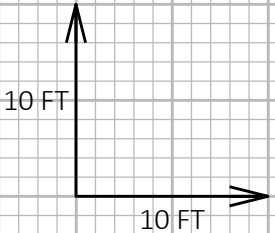
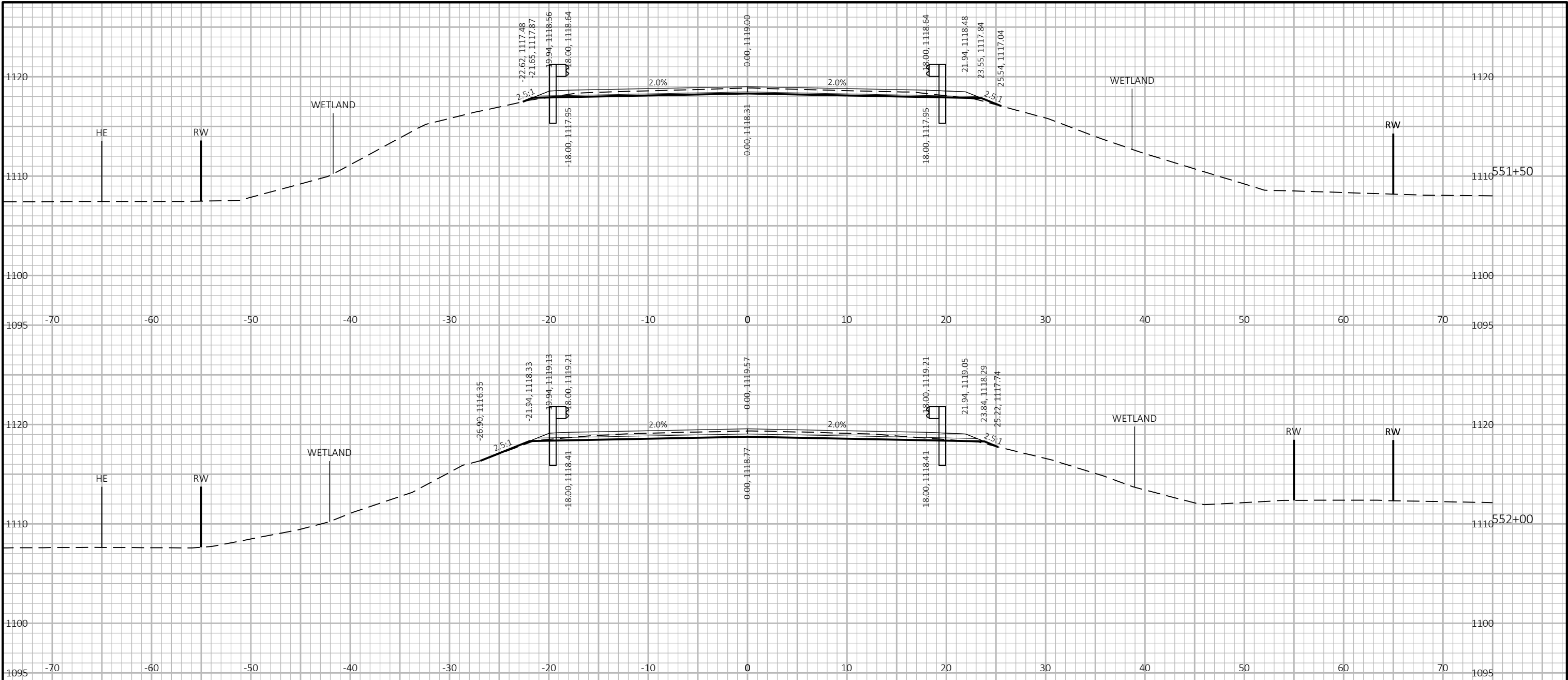


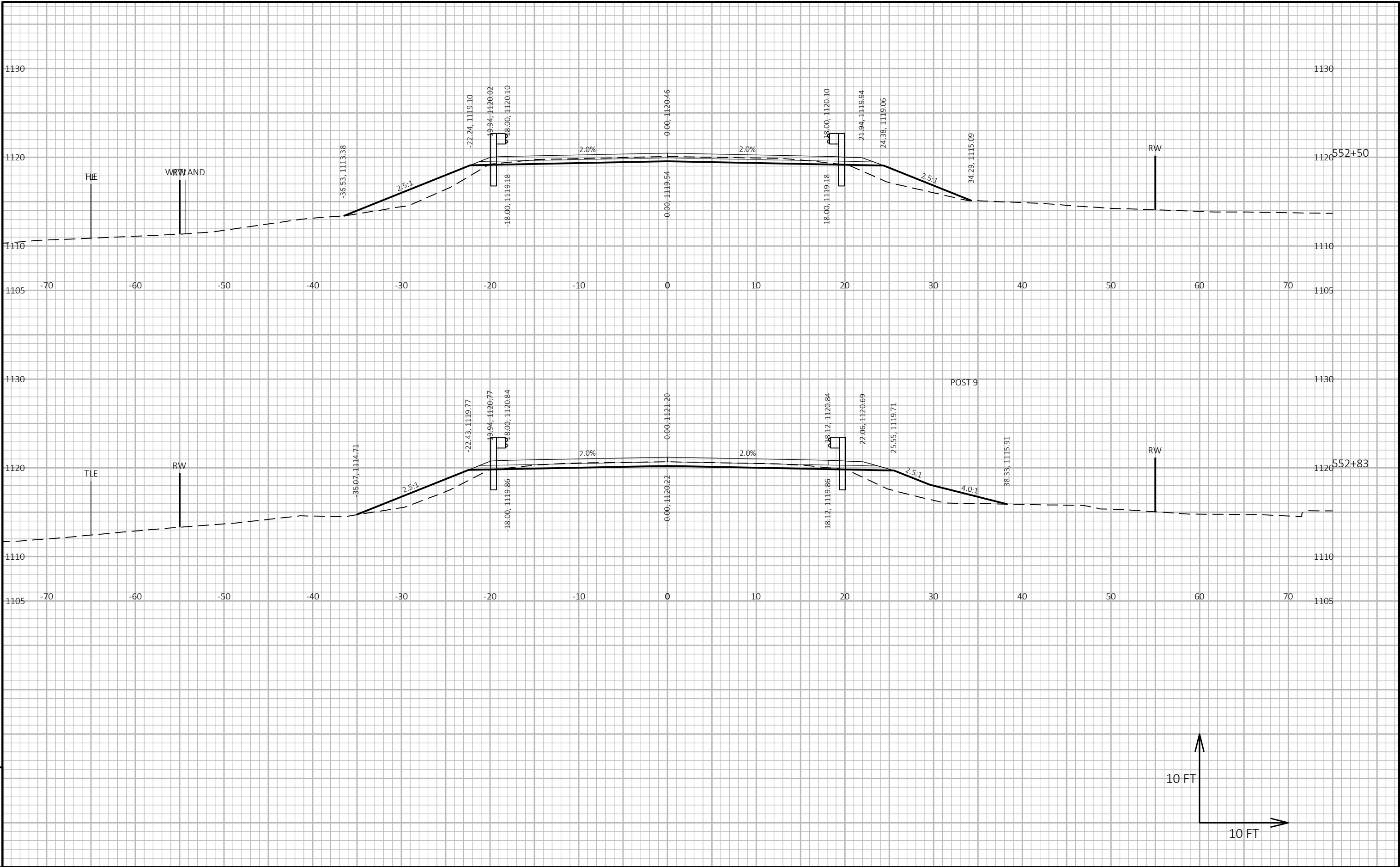


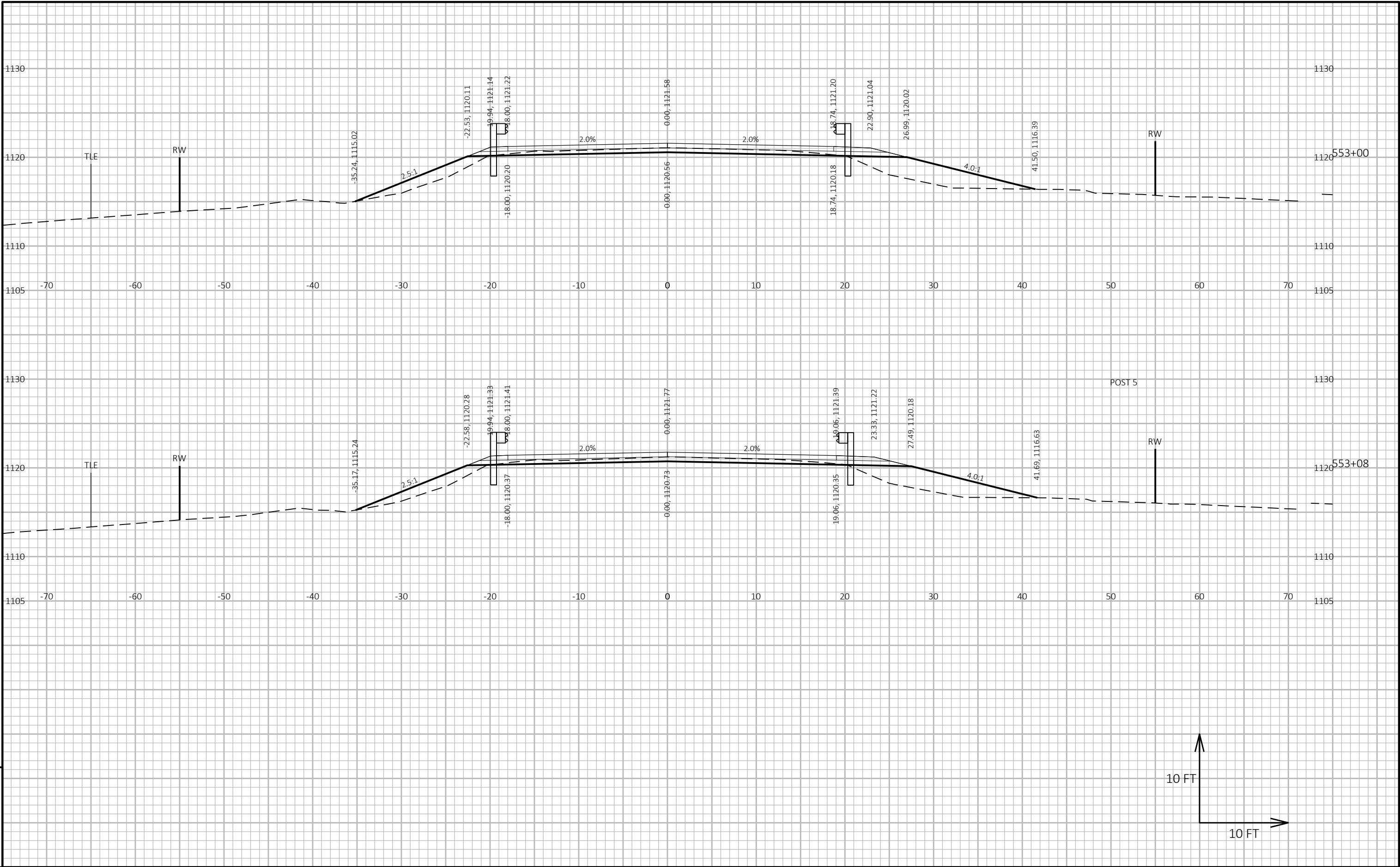


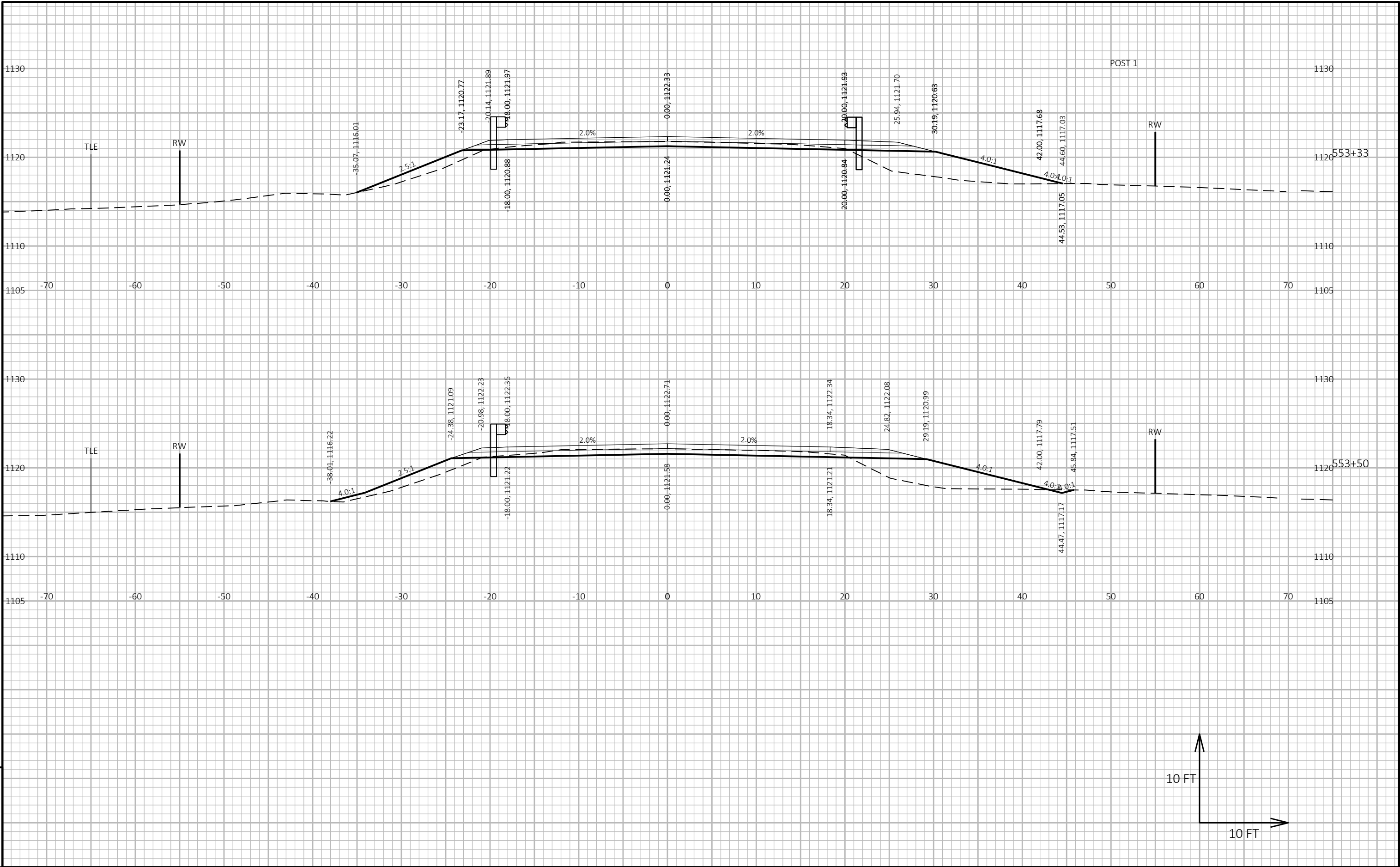


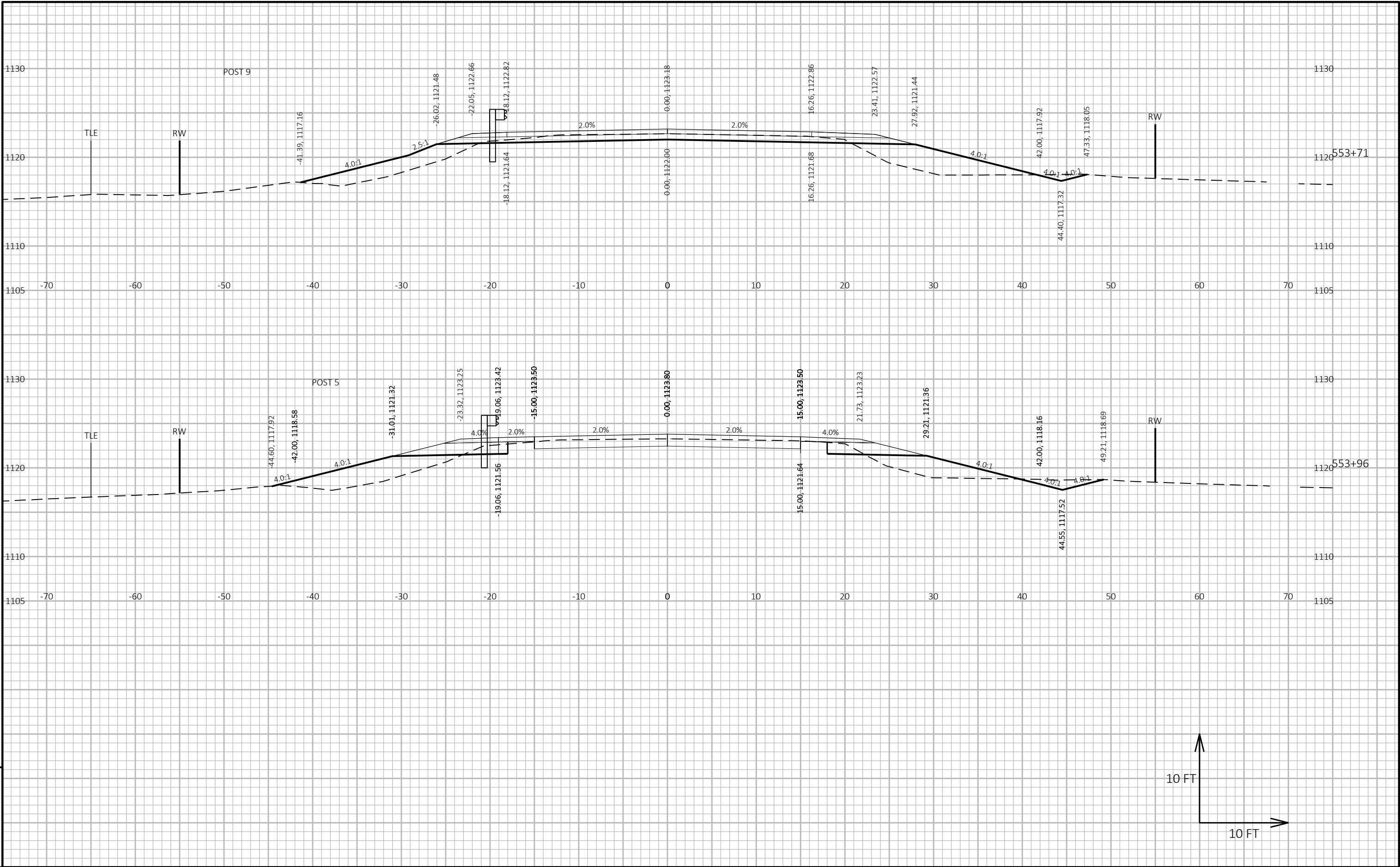


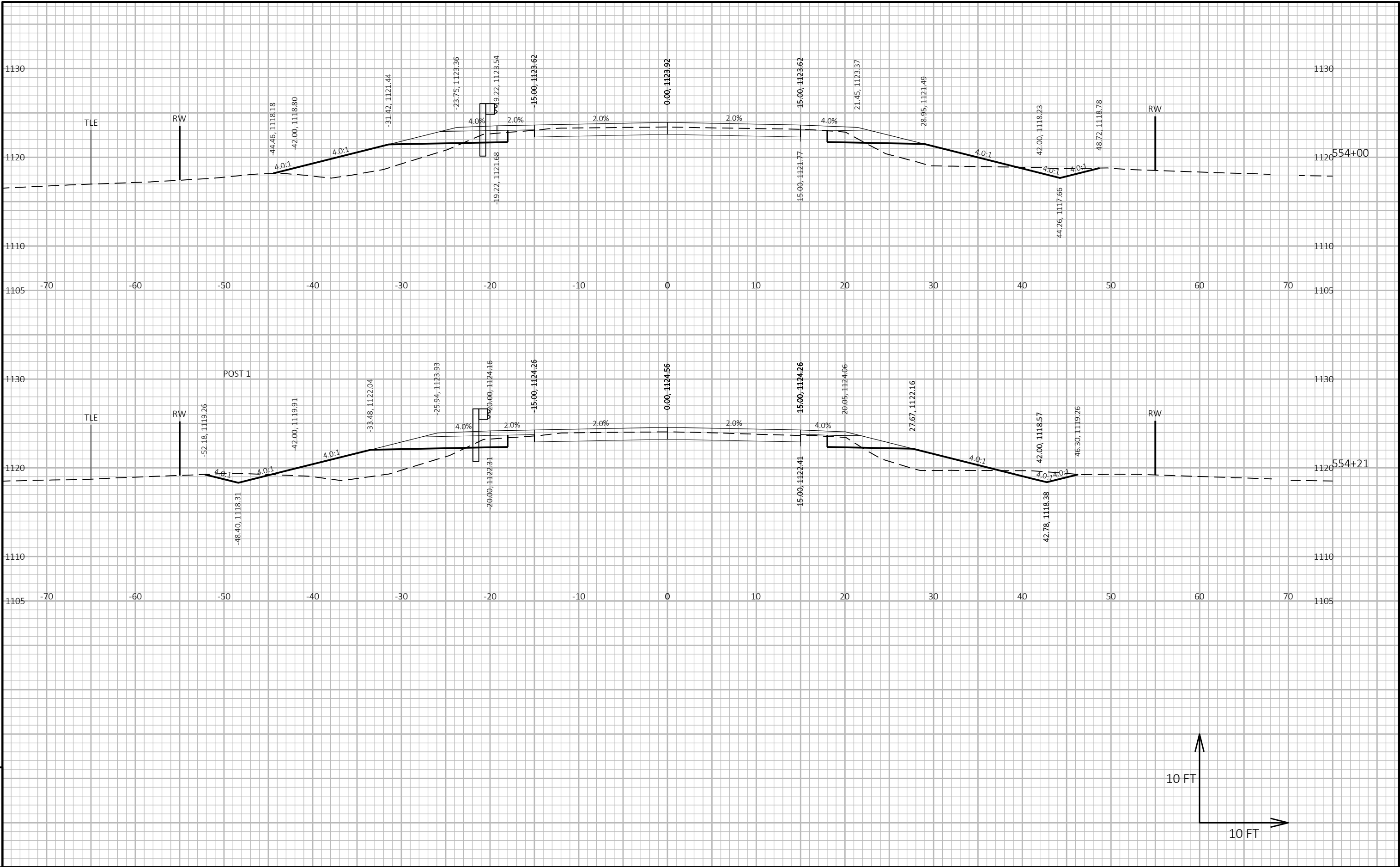


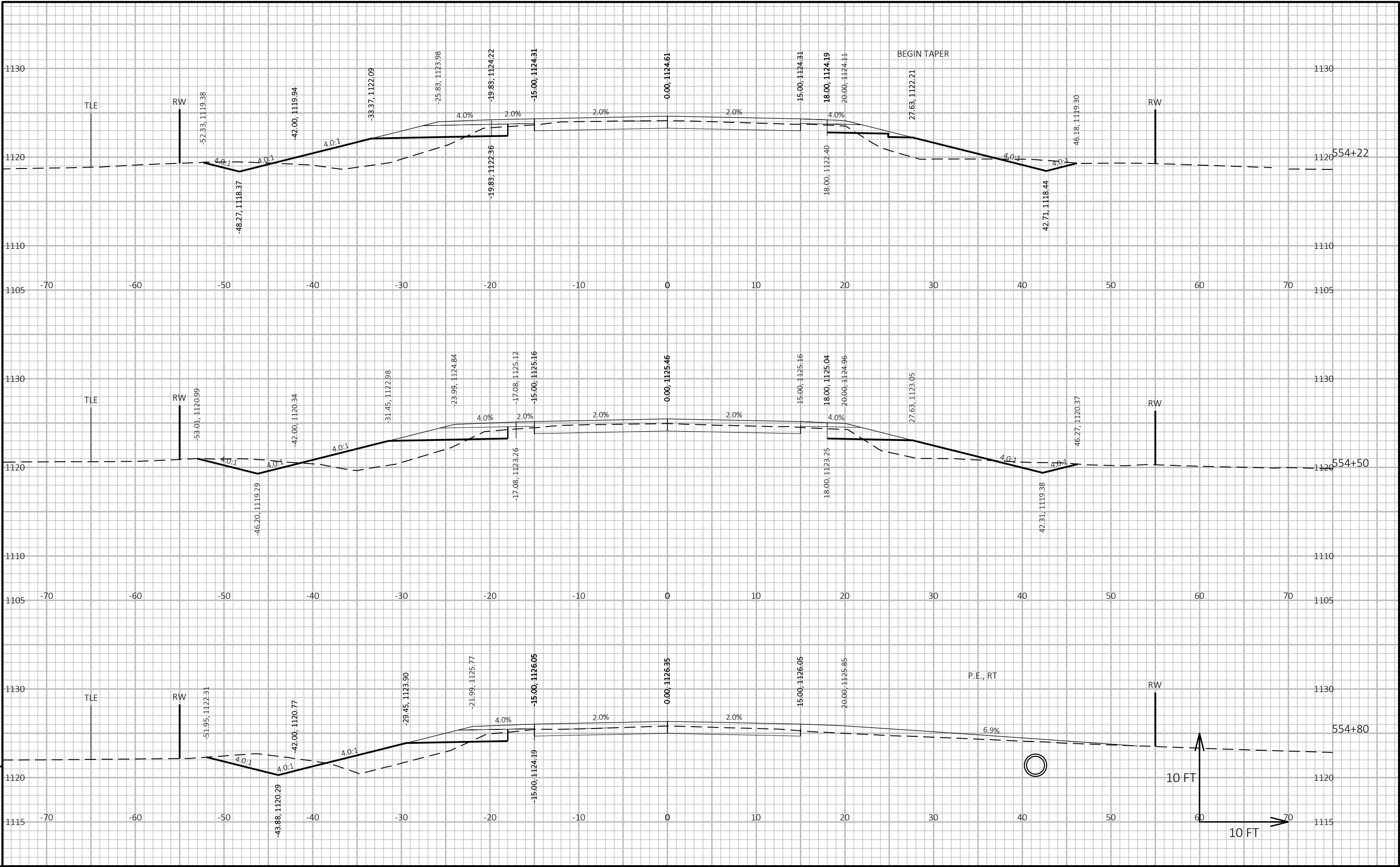


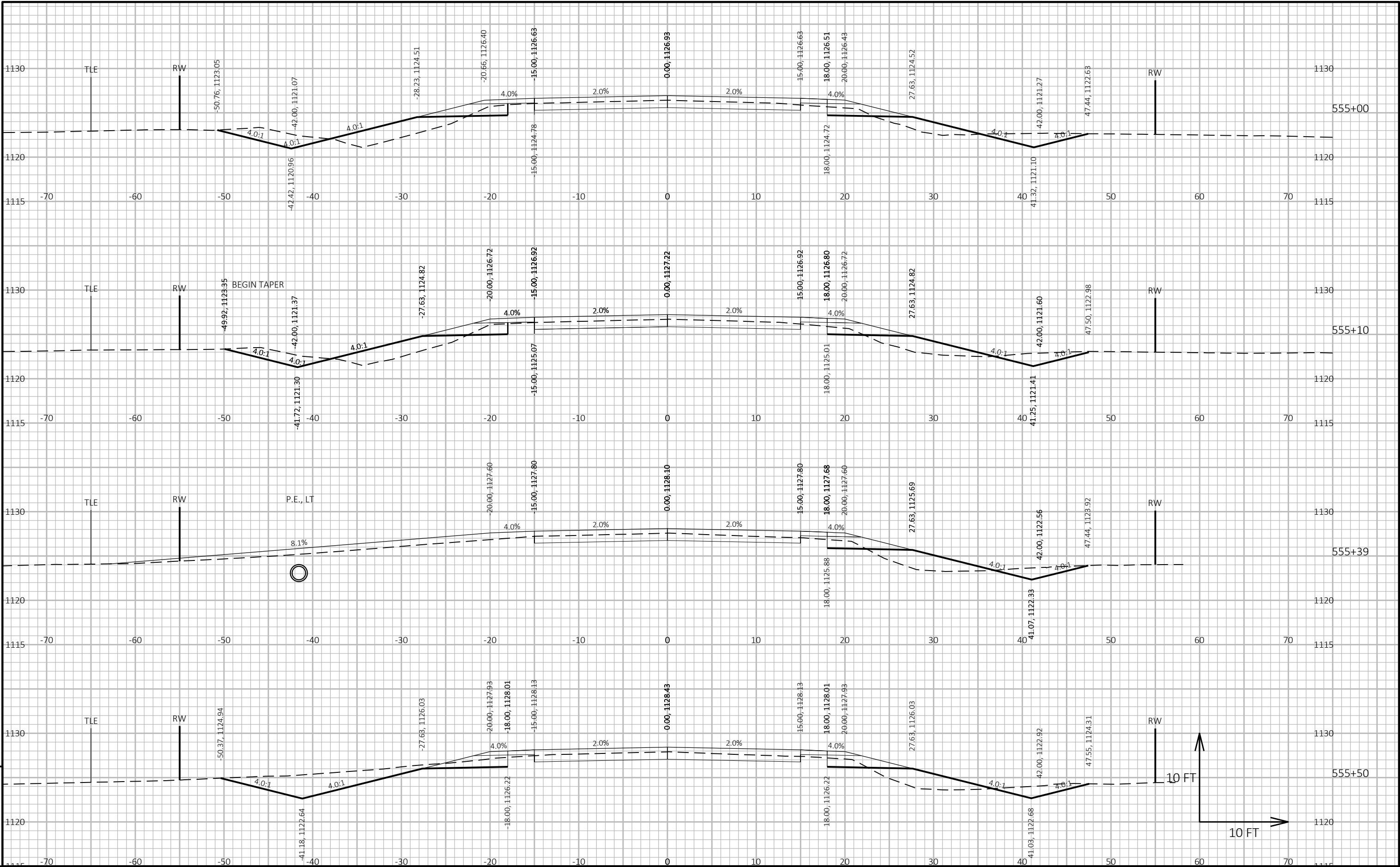


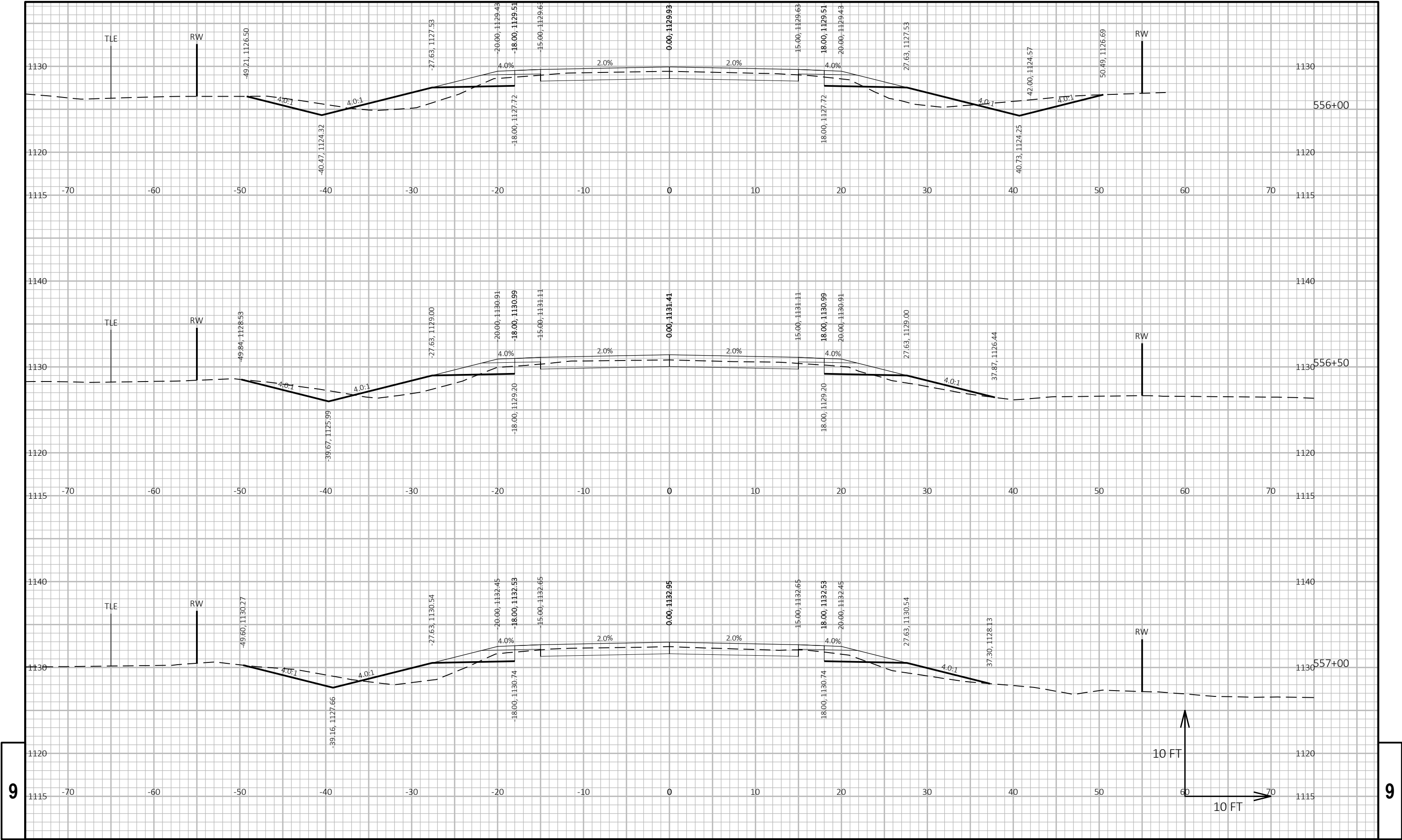












PROJECT NO: 6340-00-74

HWY: STH 13

COUNTY: WOOD/PORTAGE

CROSS SECTIONS: STH 13

SHEET

374

E

FILE NAME : S:\MAD\2000--2099\2089\052\DRAWINGS\CAD\CIVIL 3D\SHEETS\090104-XS.DWG
LAYOUT NAME - 090204-xs-49

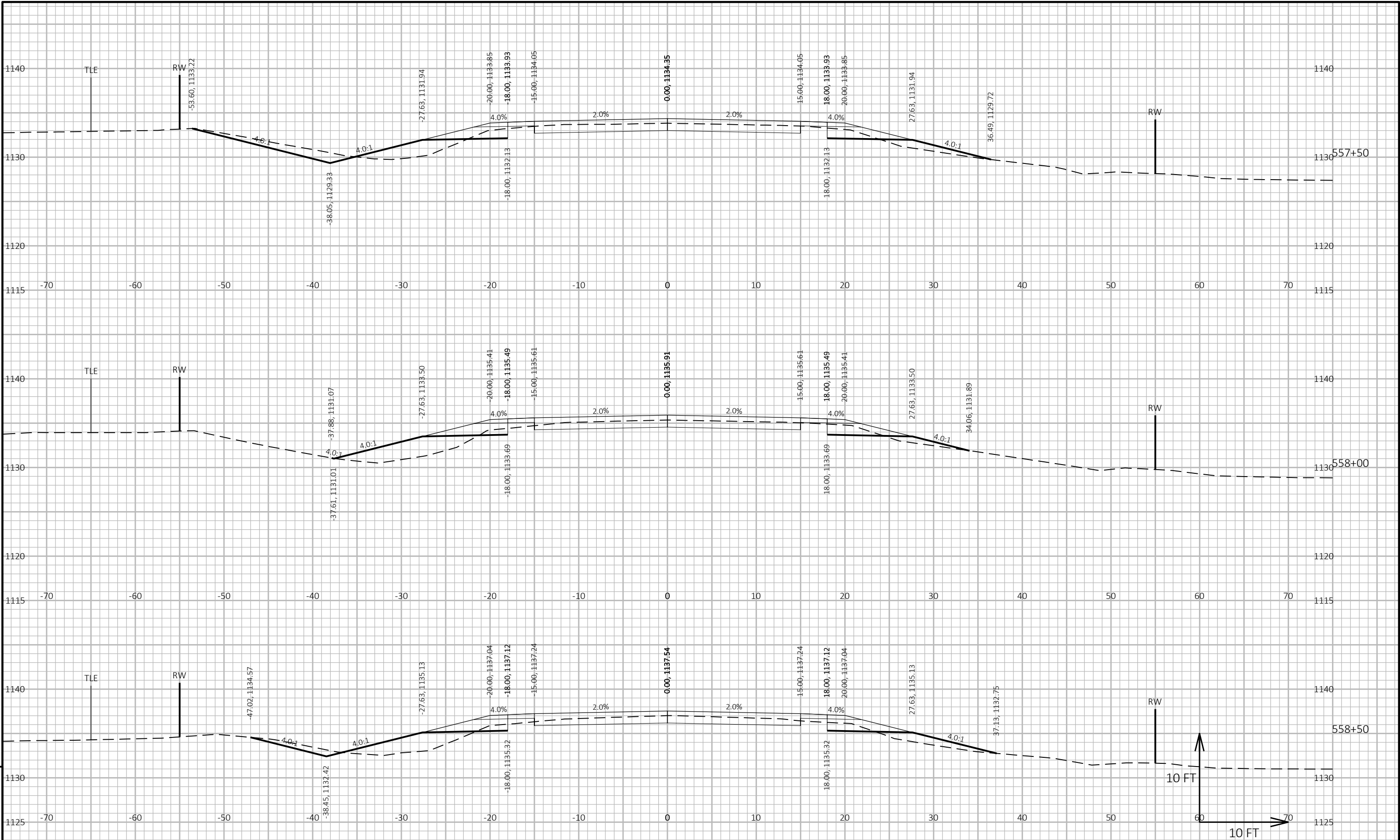
PLOT DATE : 4/30/2025 2:45 PM

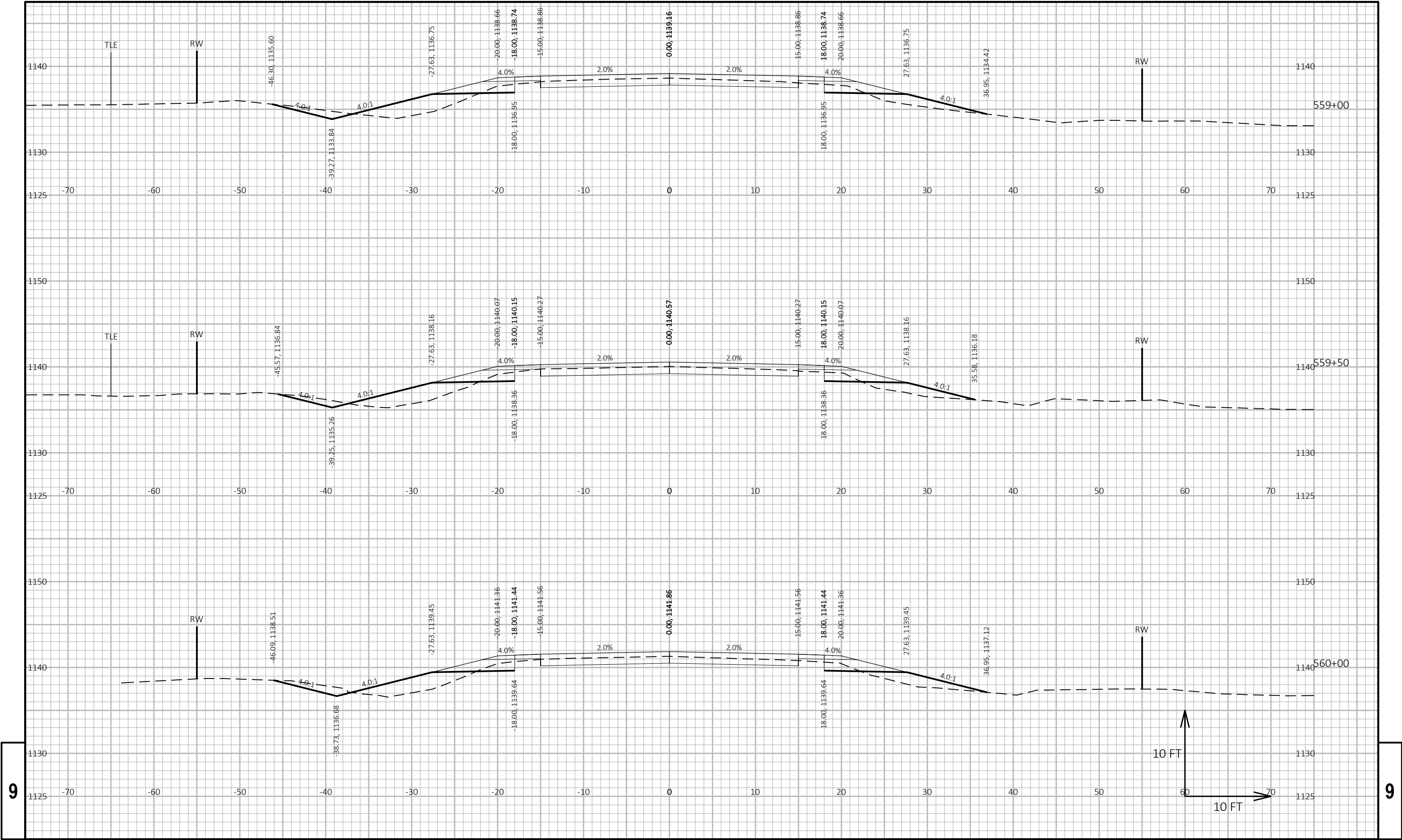
PLOT BY : HABERKORN, DEVEN

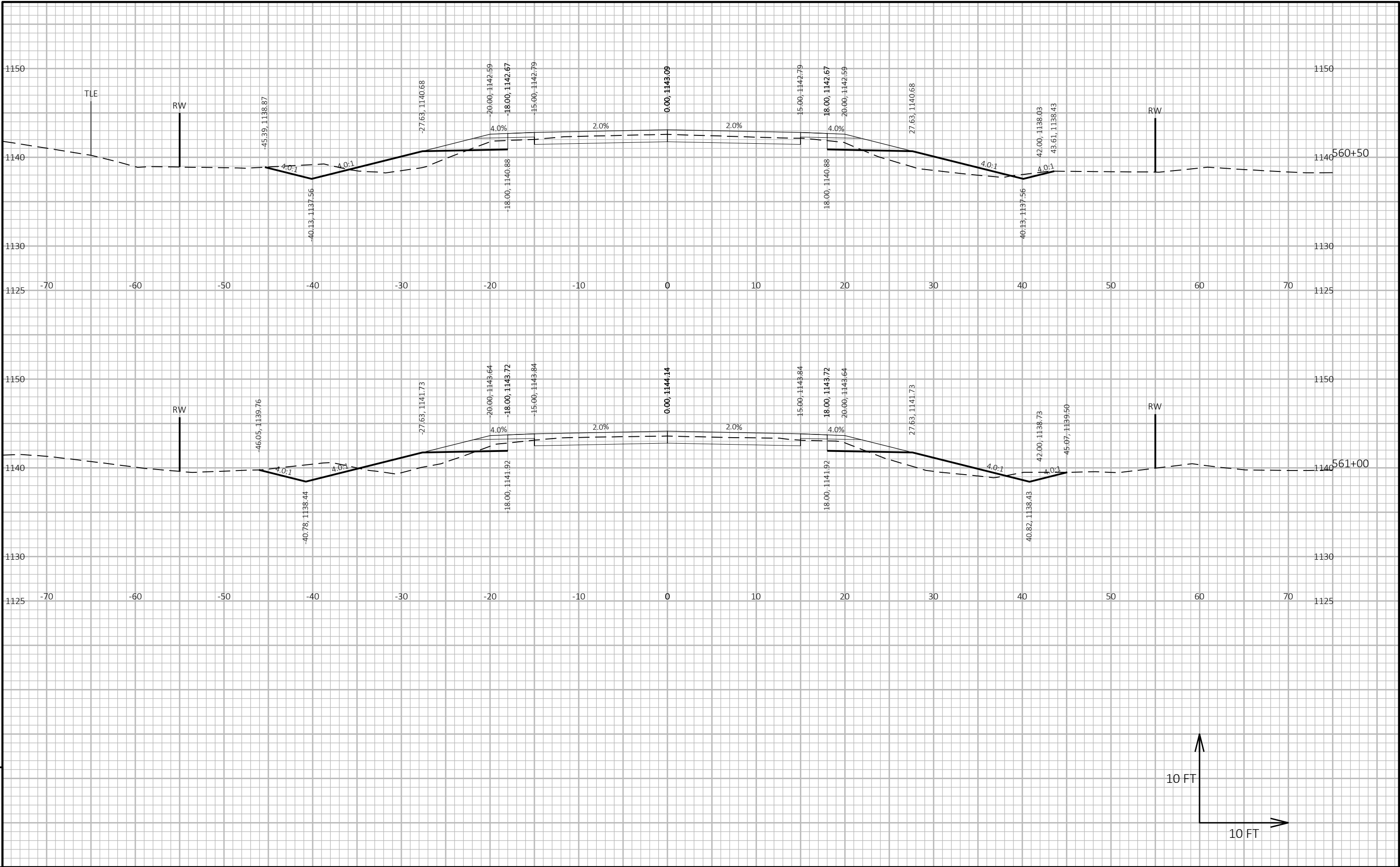
PLOT NAME :

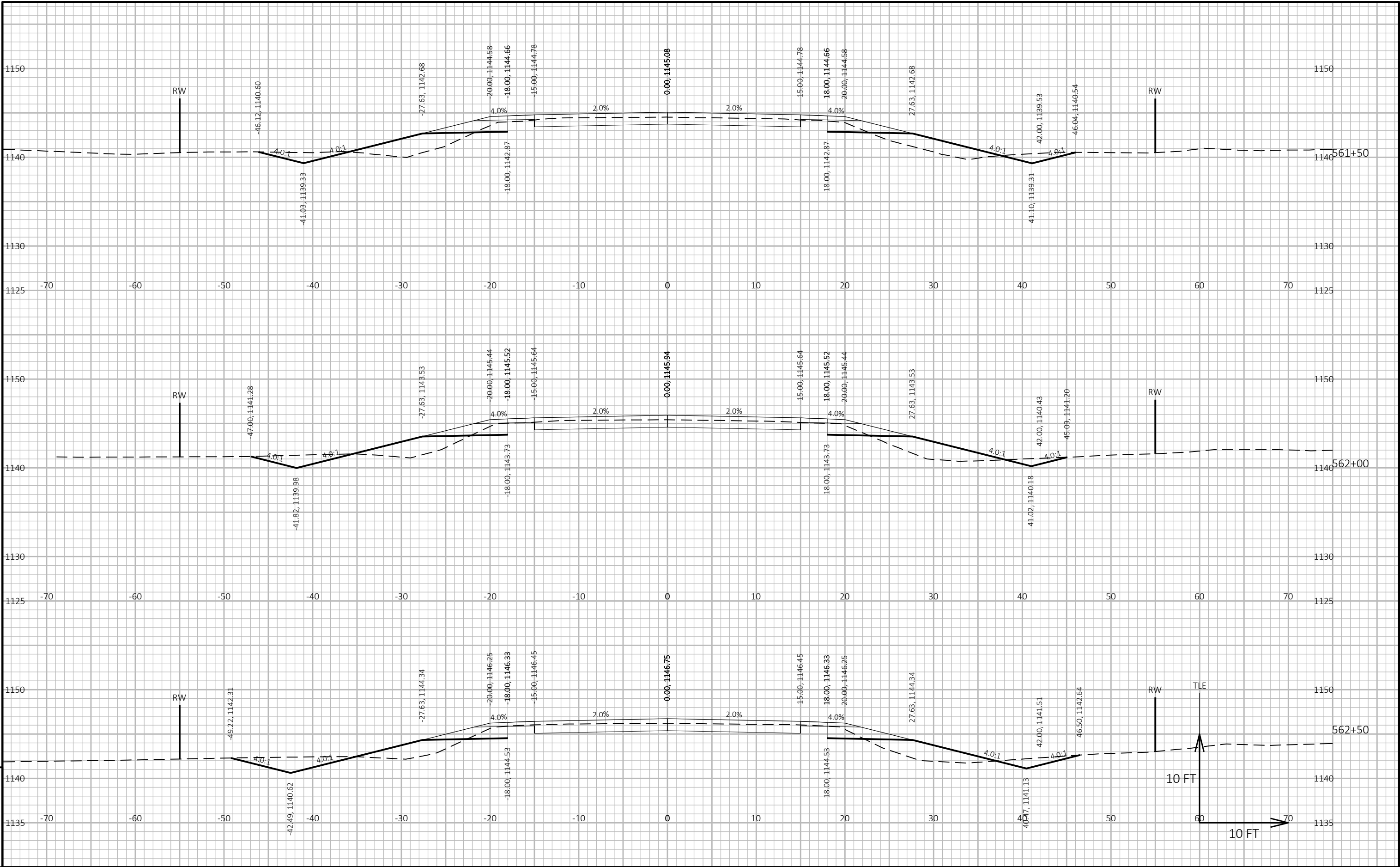
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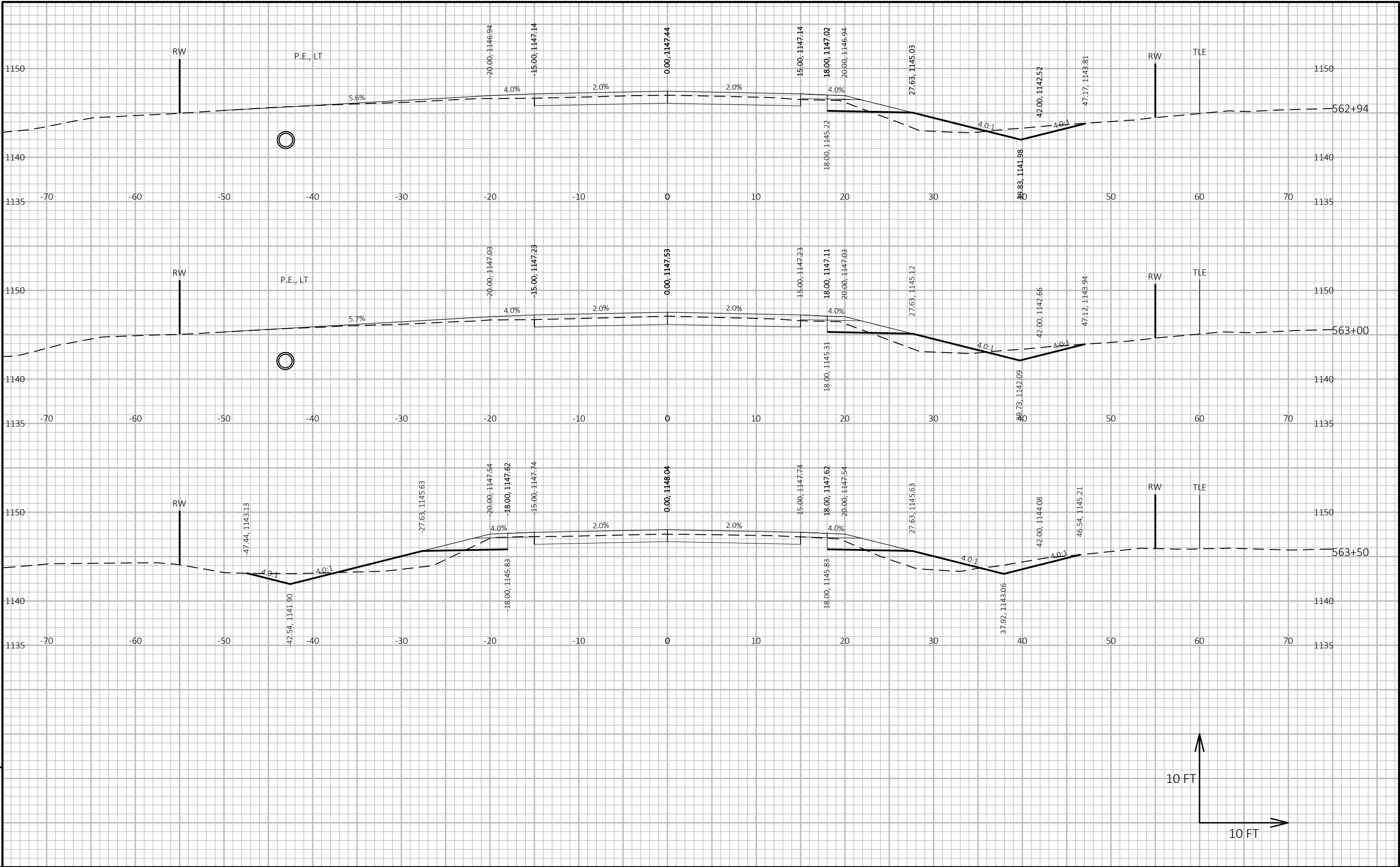
WISDOT/CADDs SHEET 49

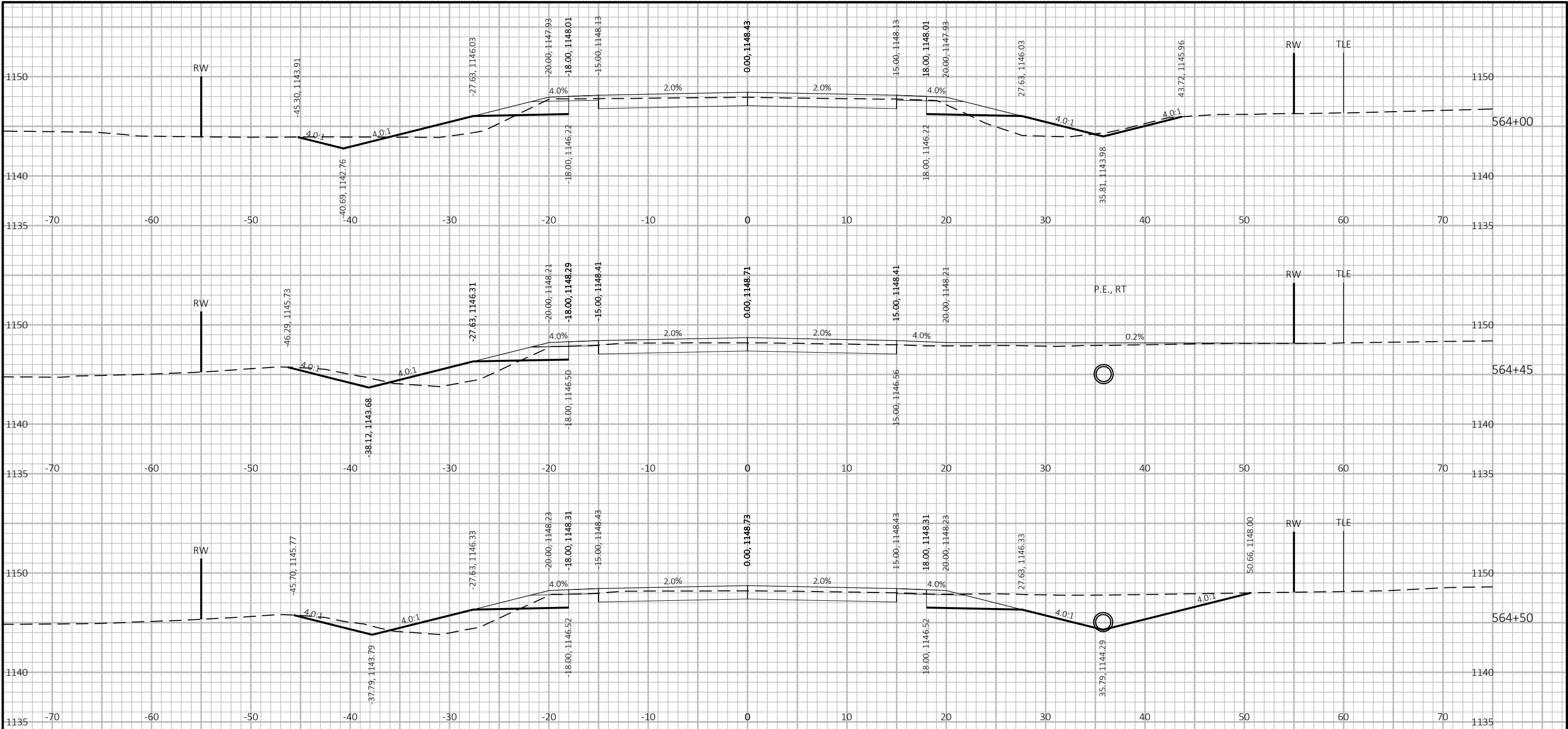


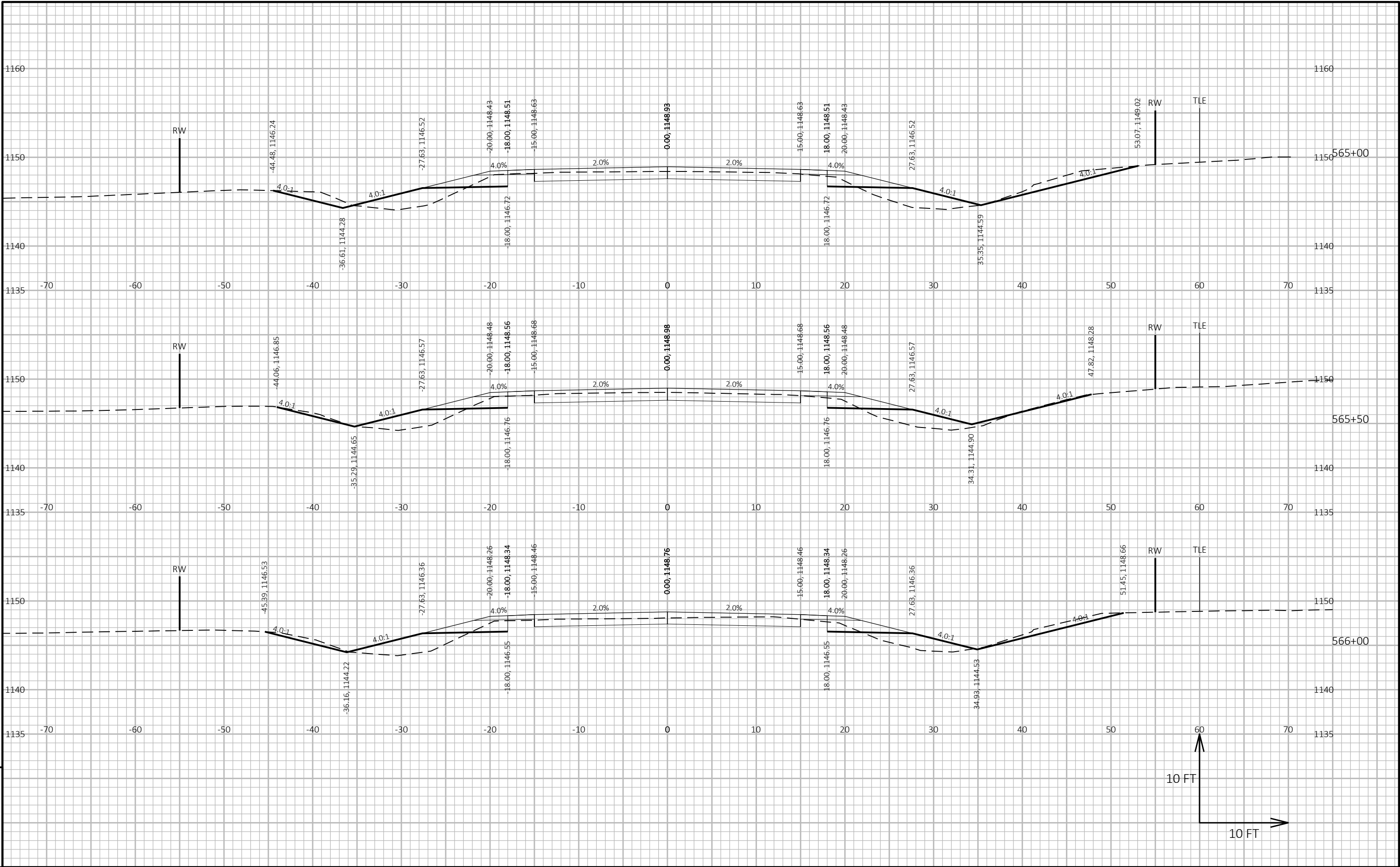


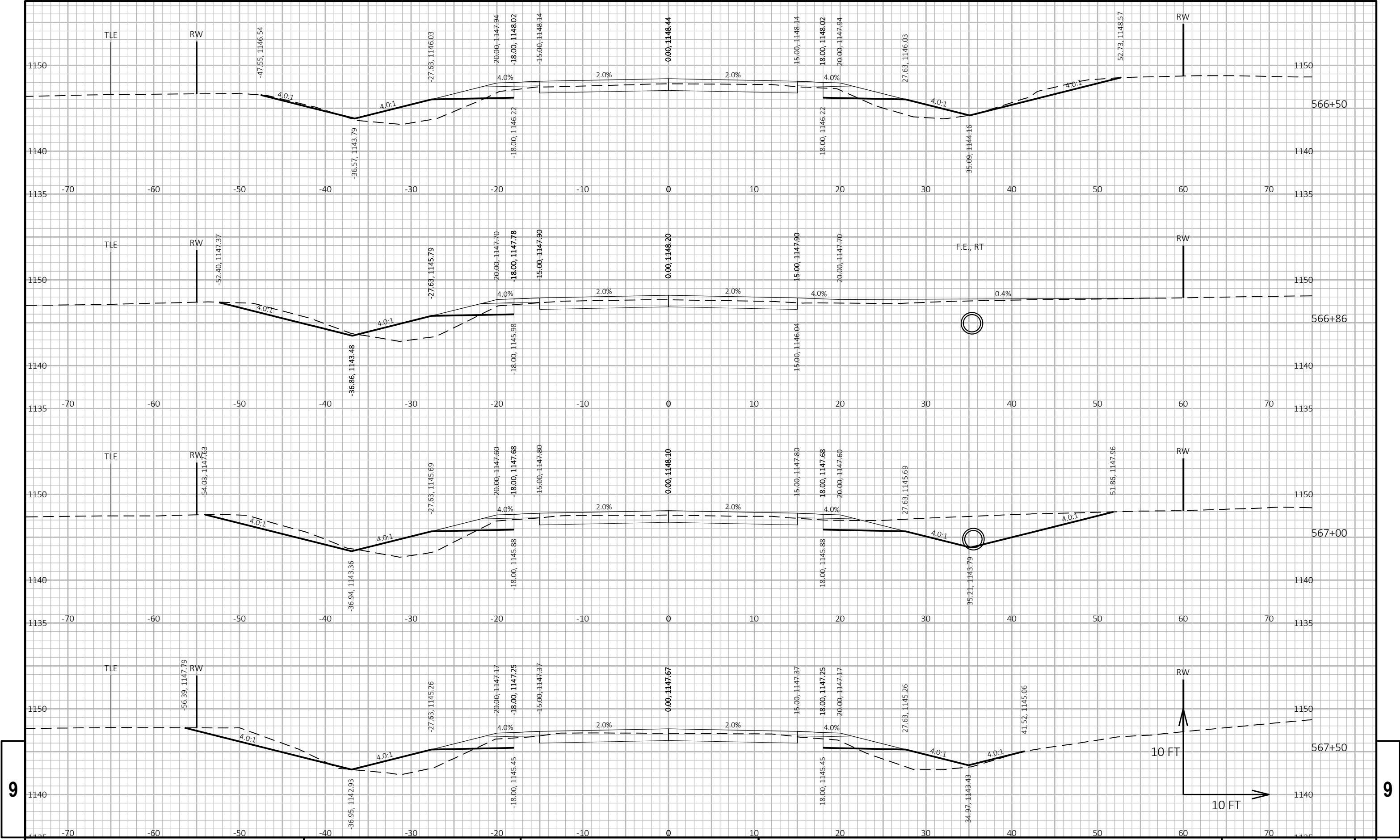


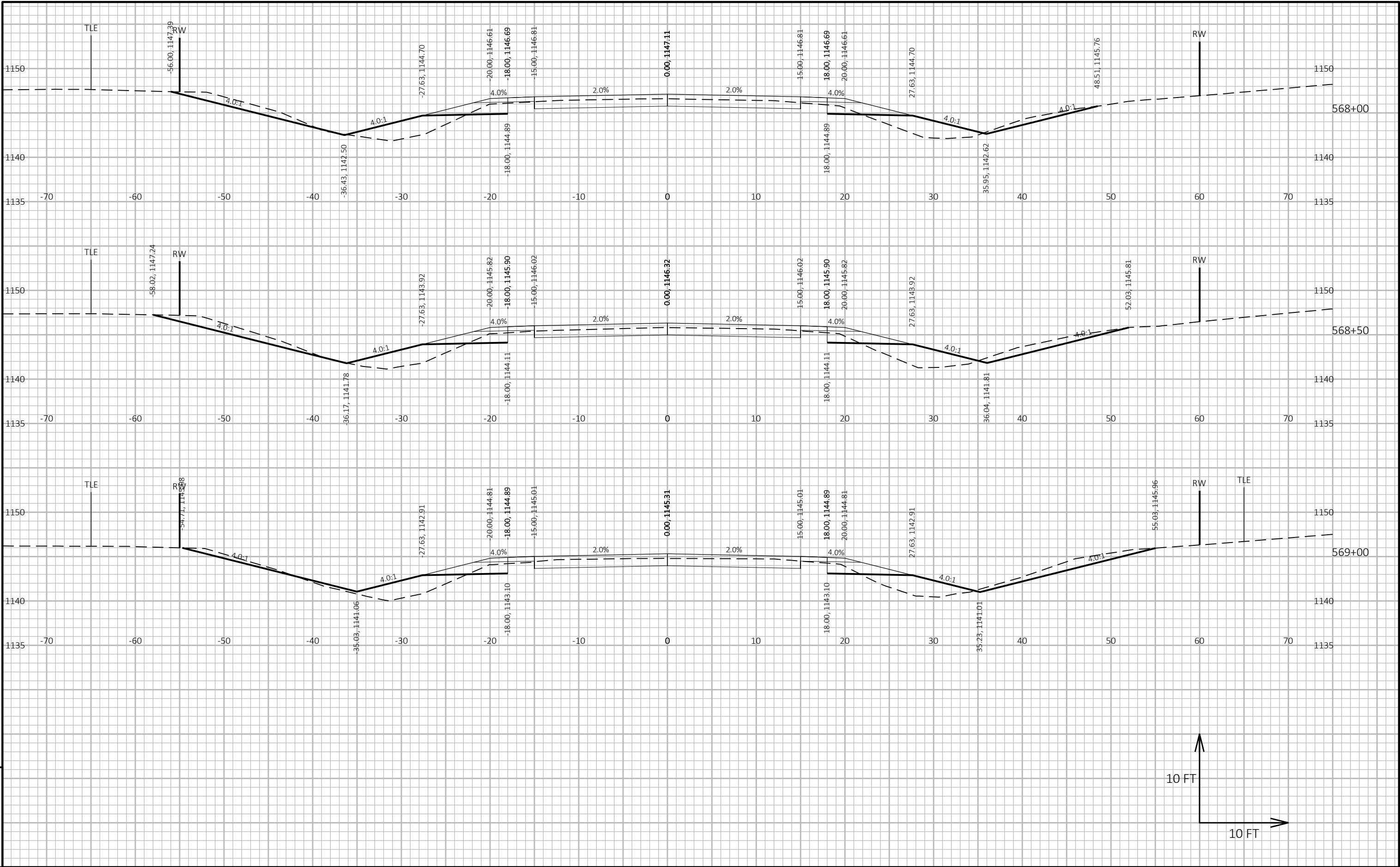


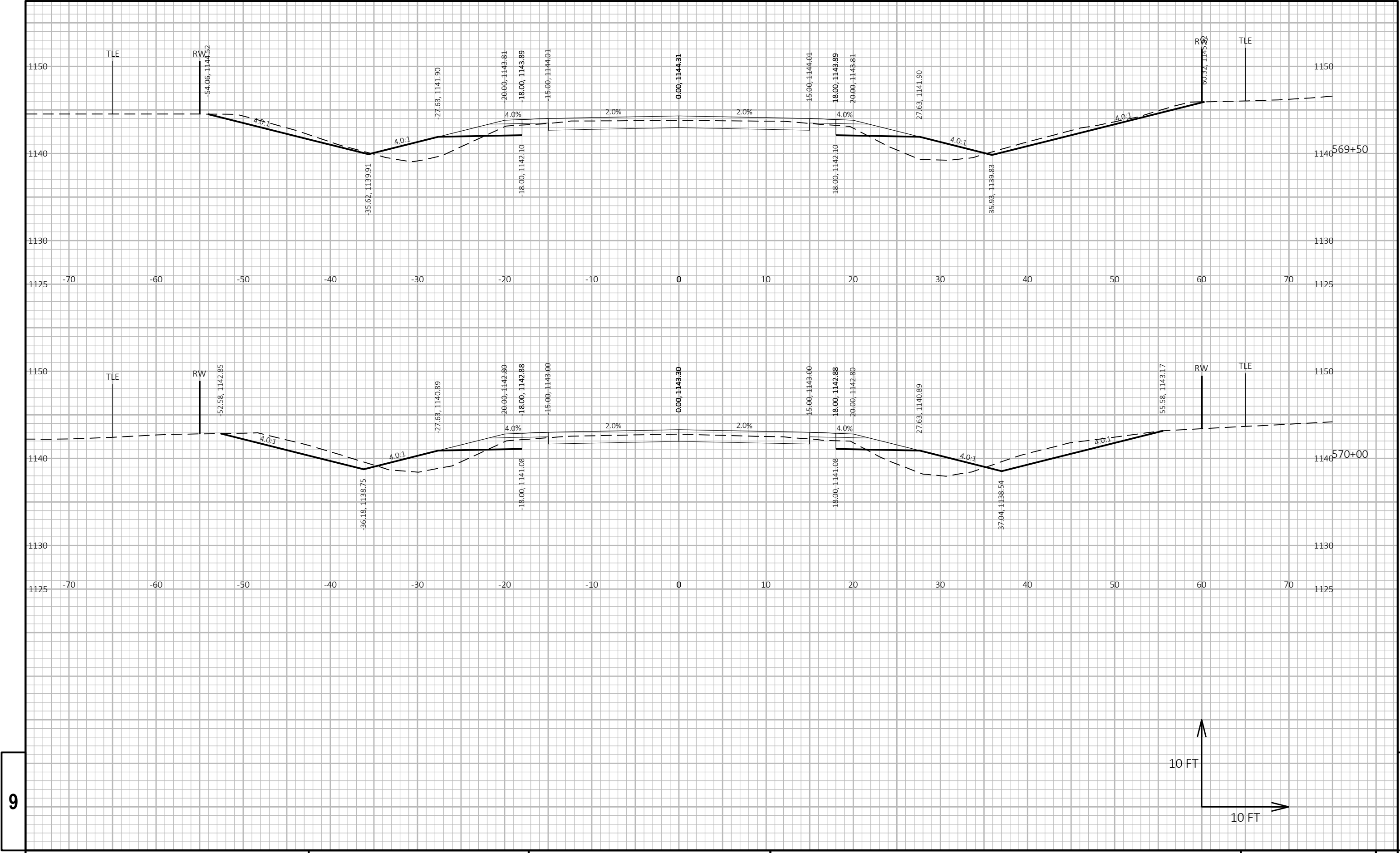


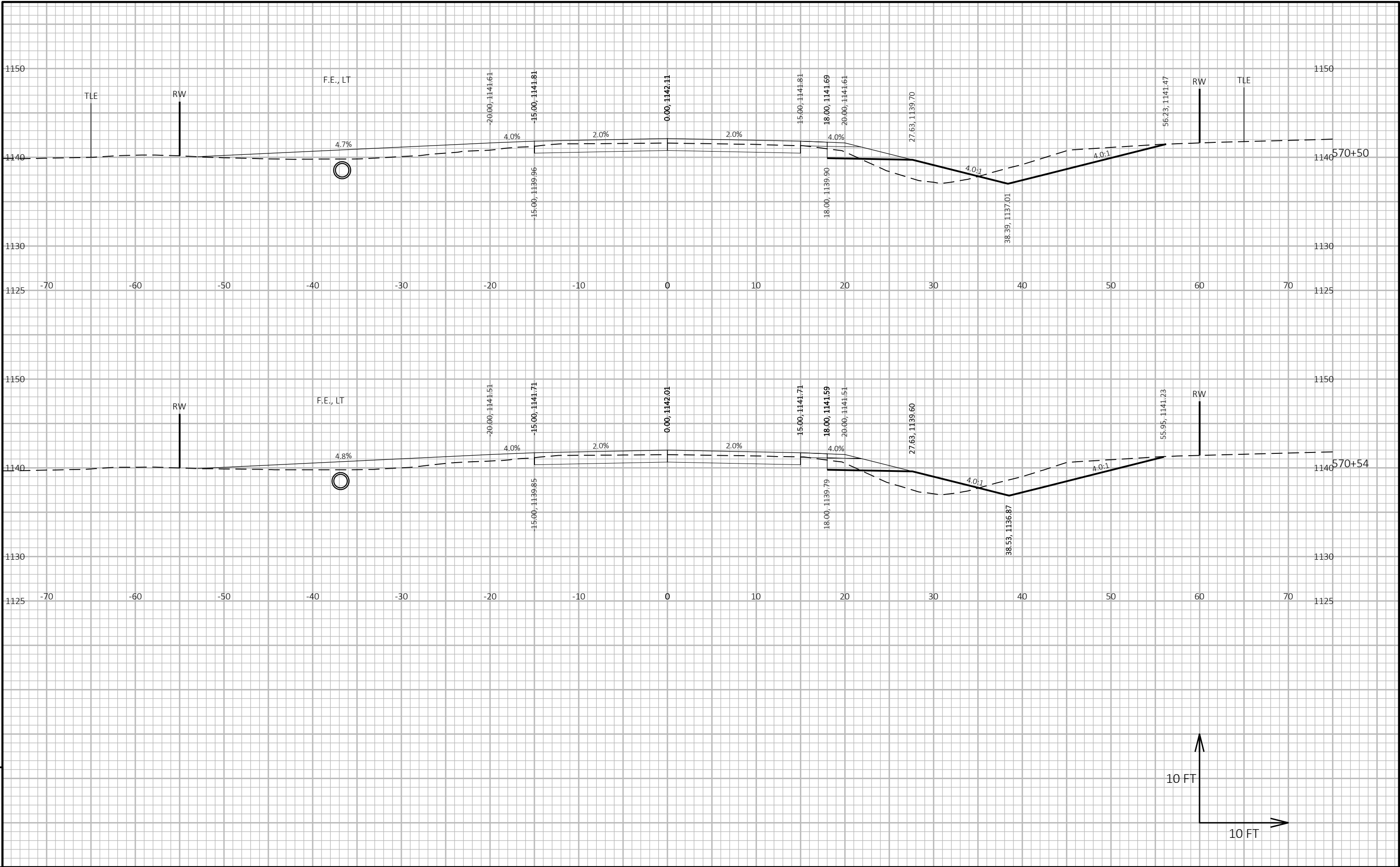


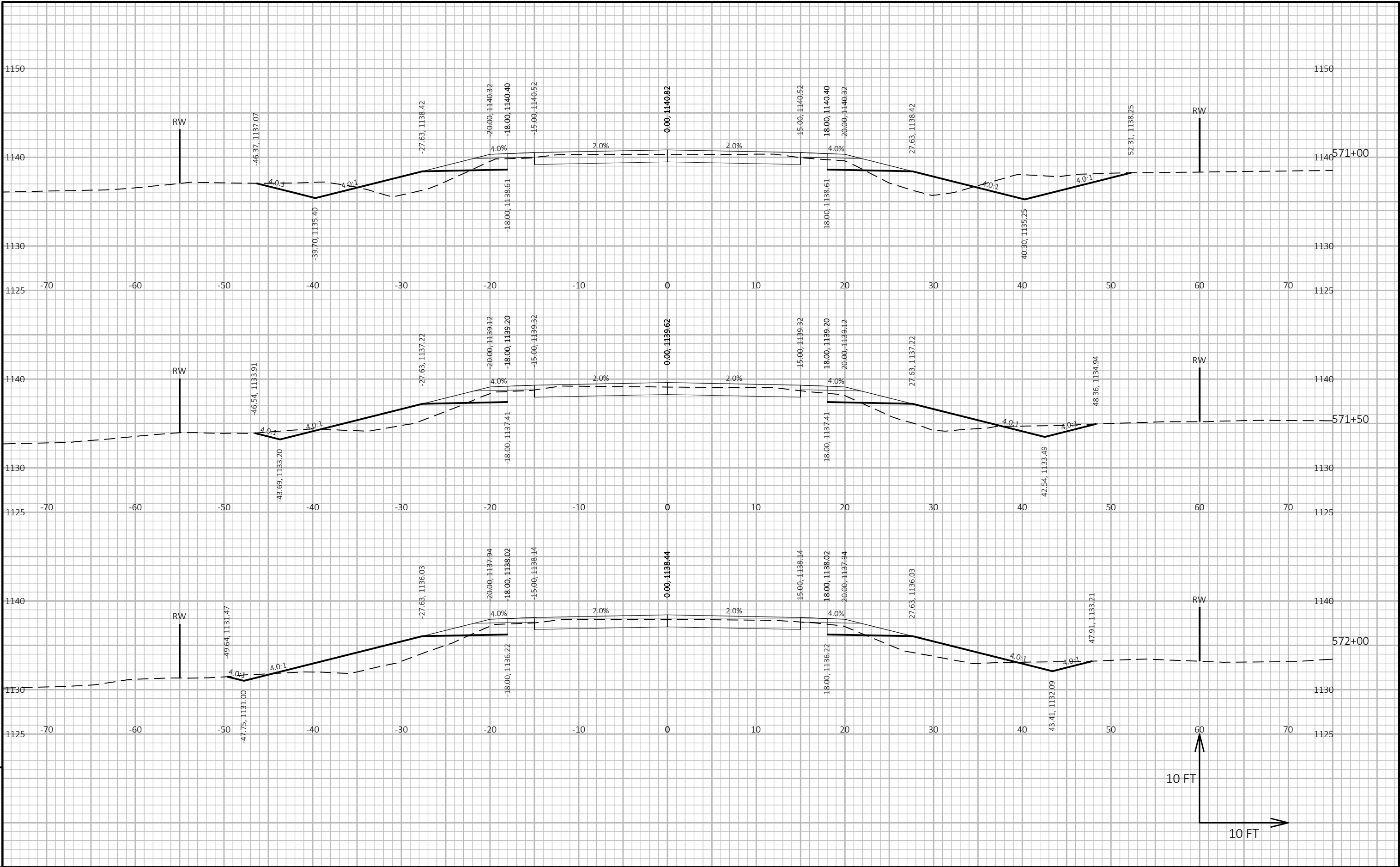


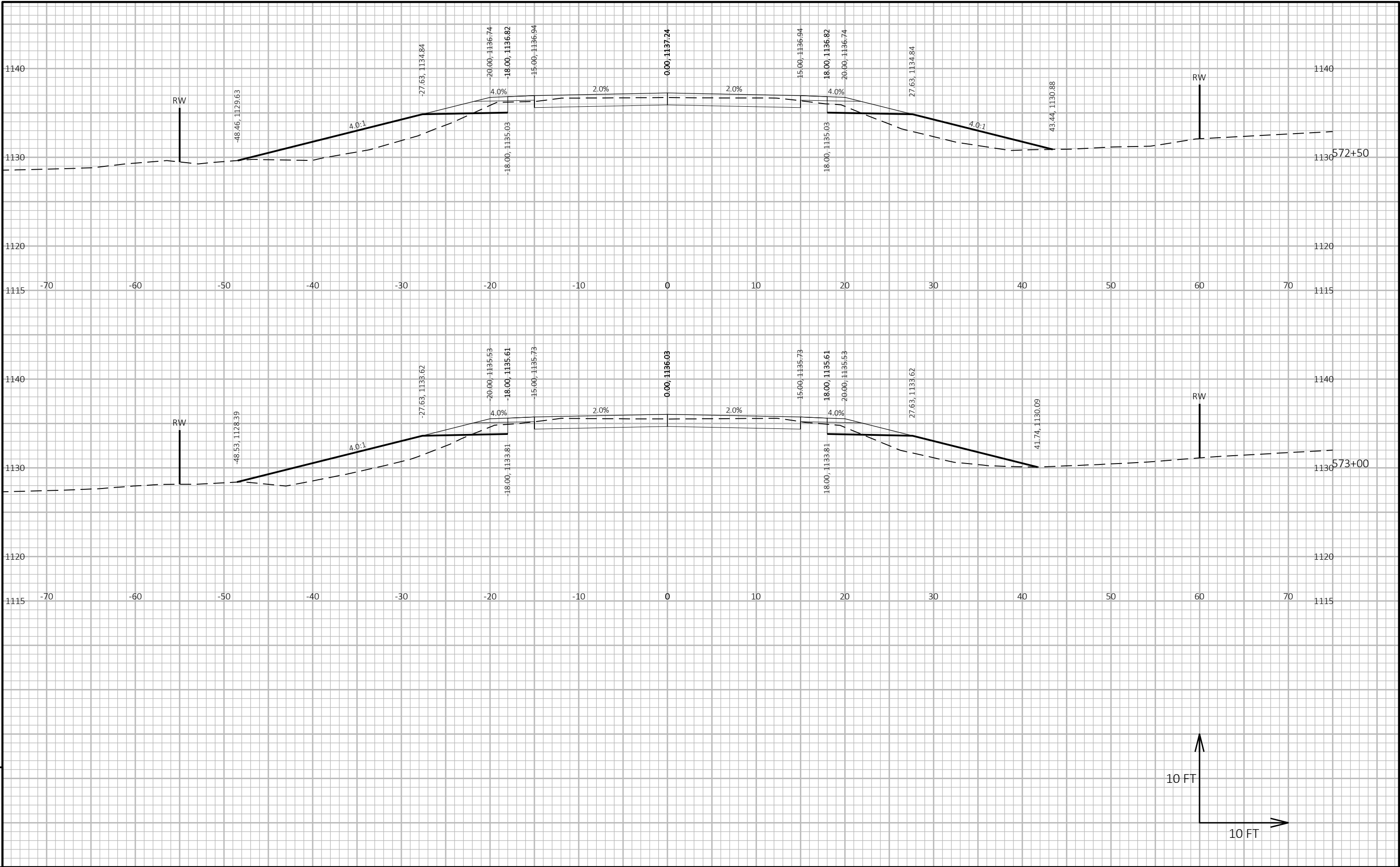


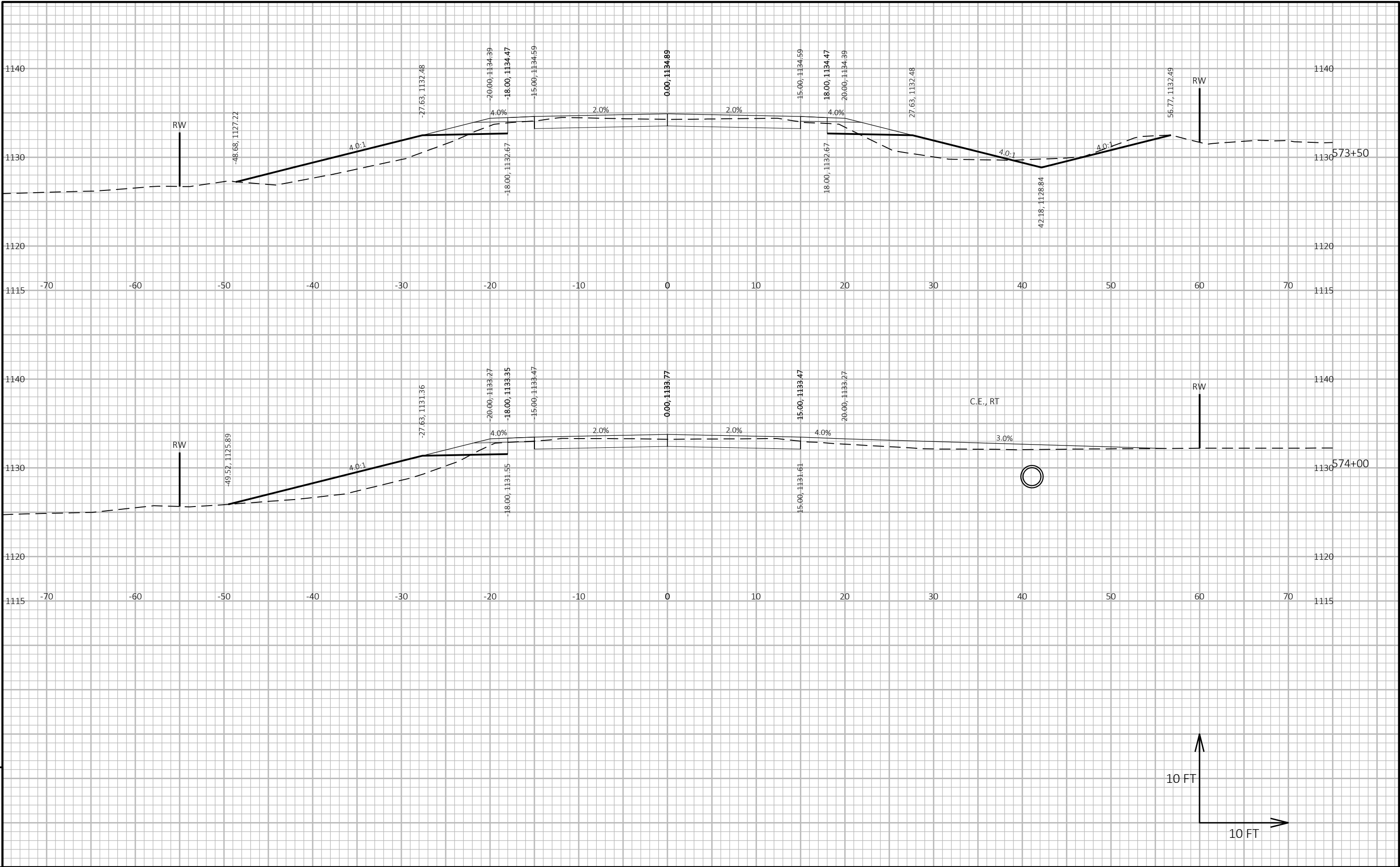


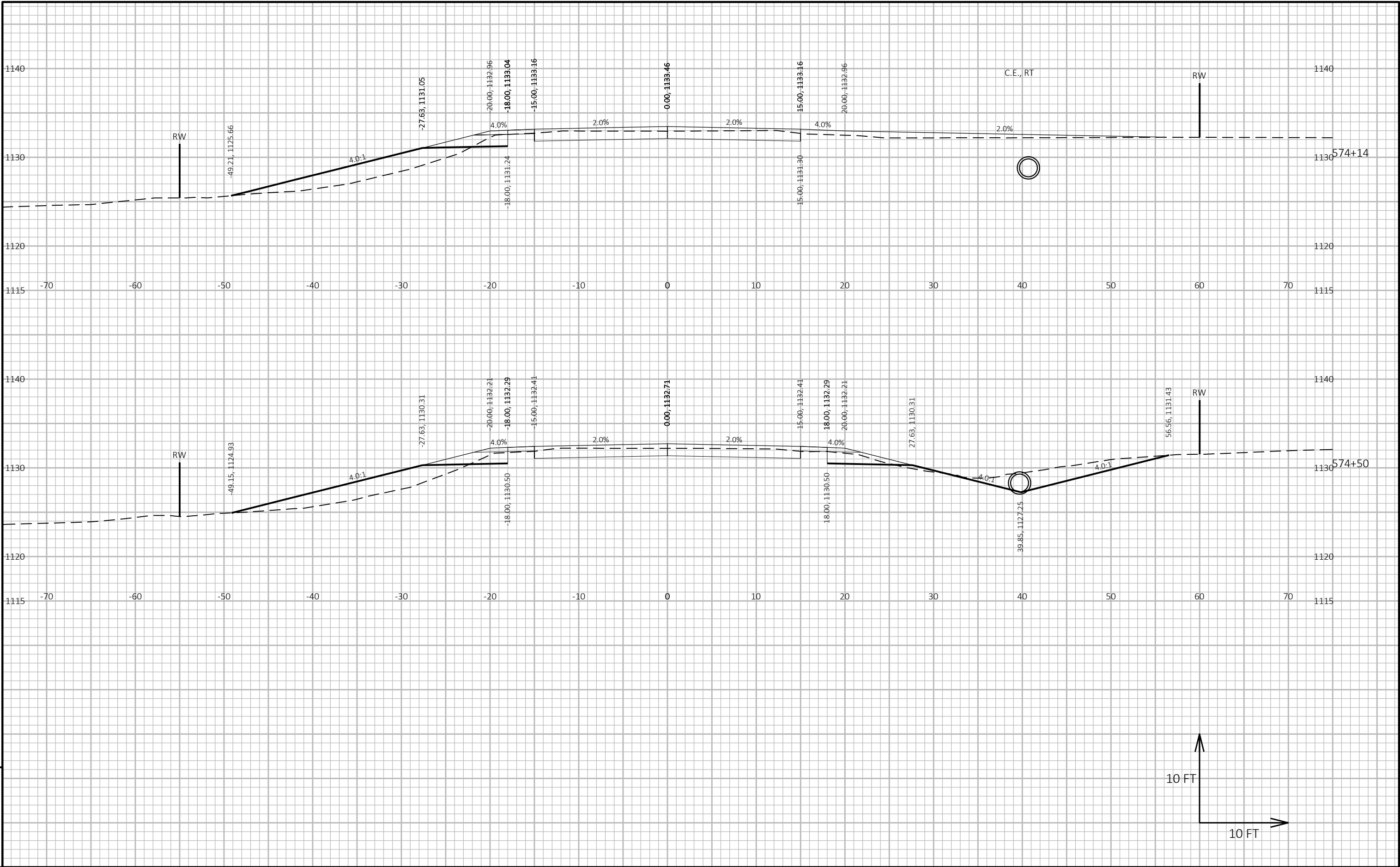


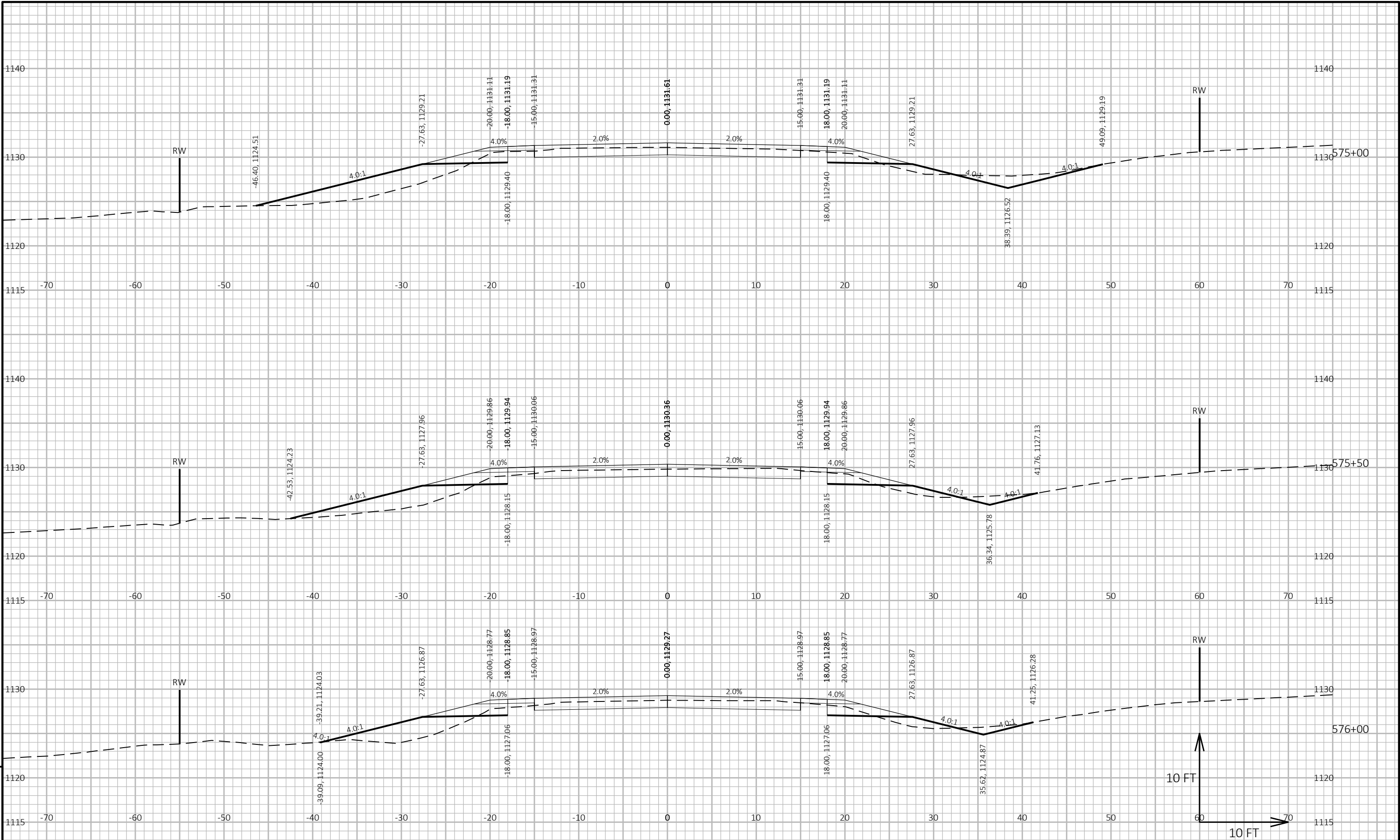


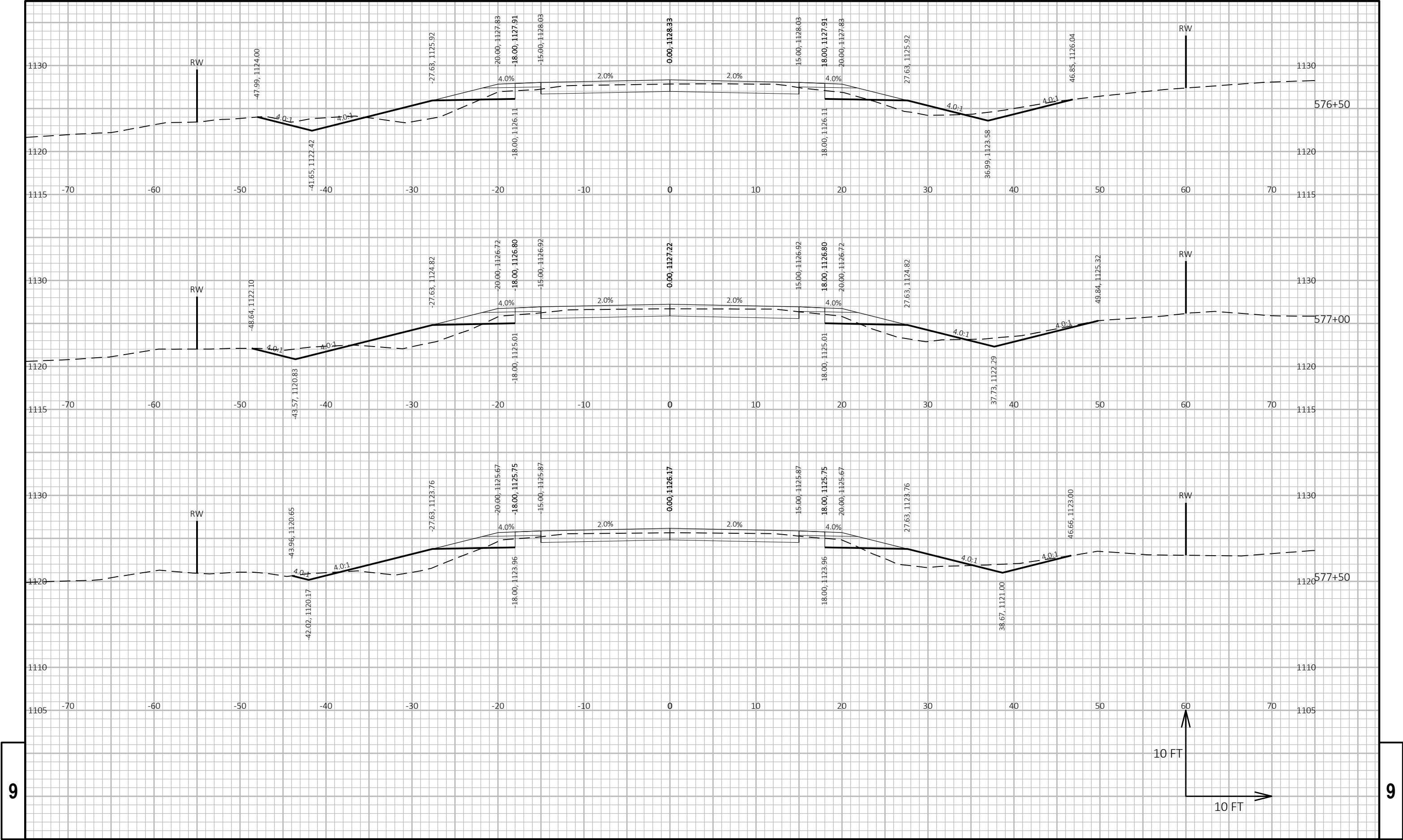


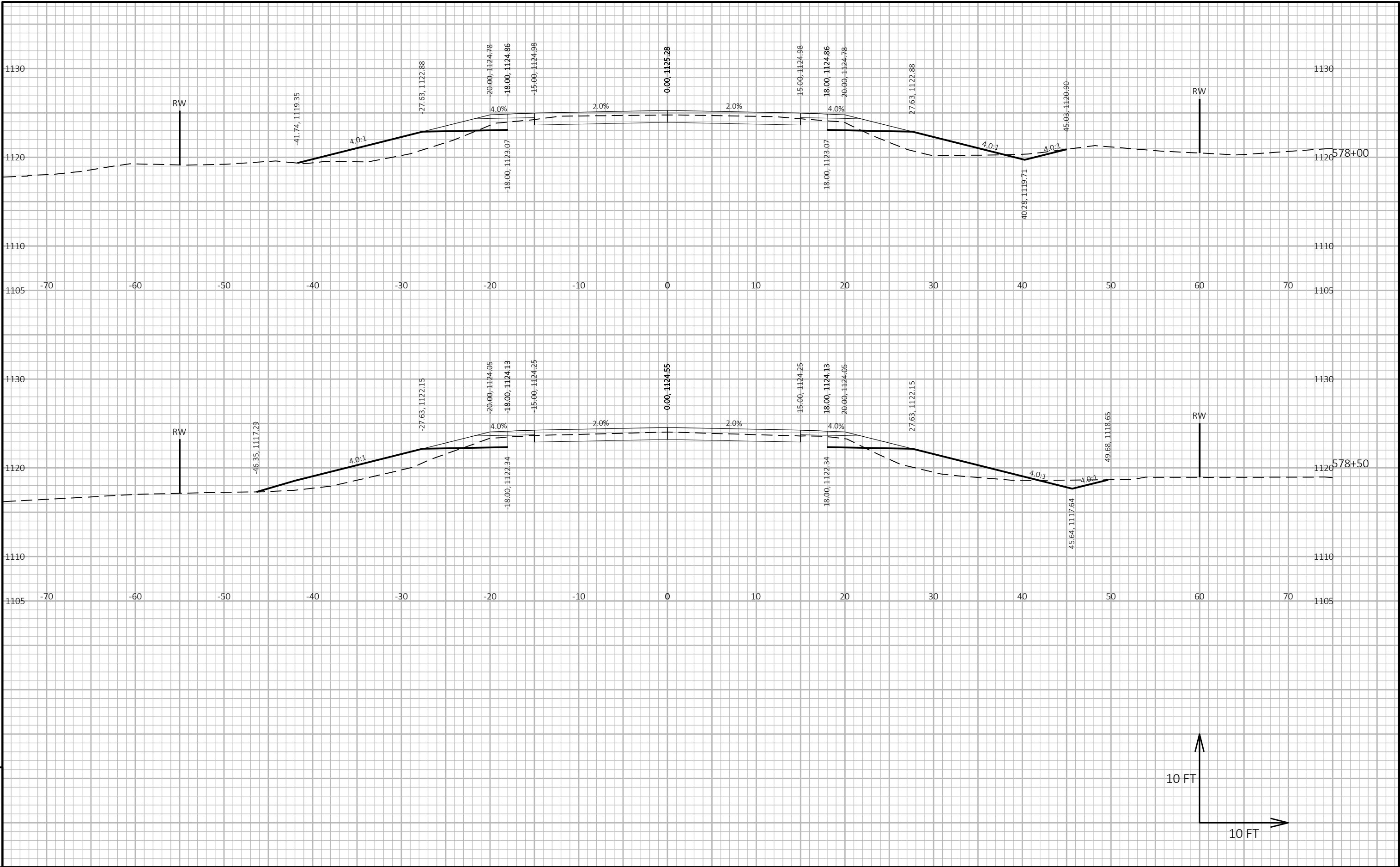


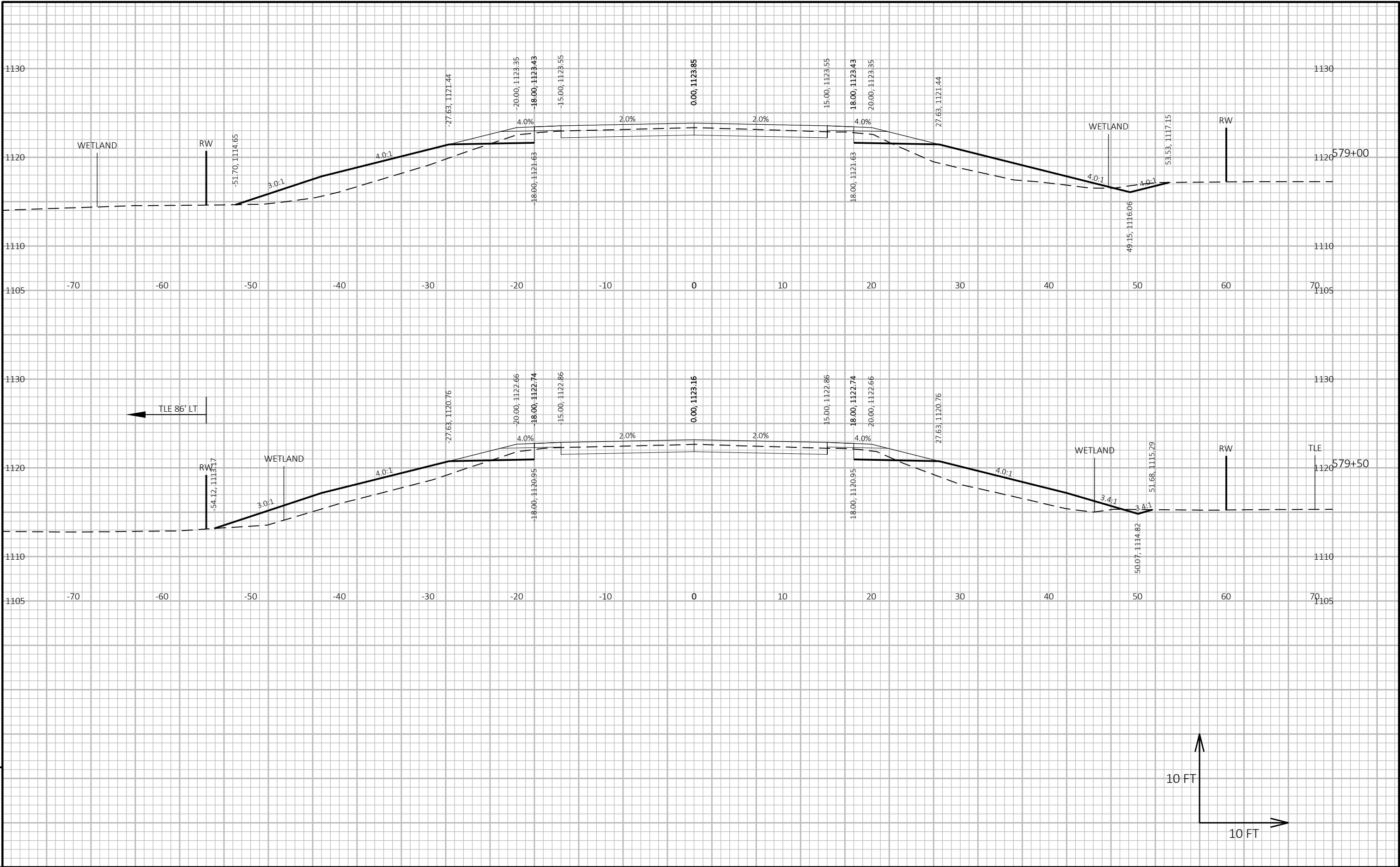


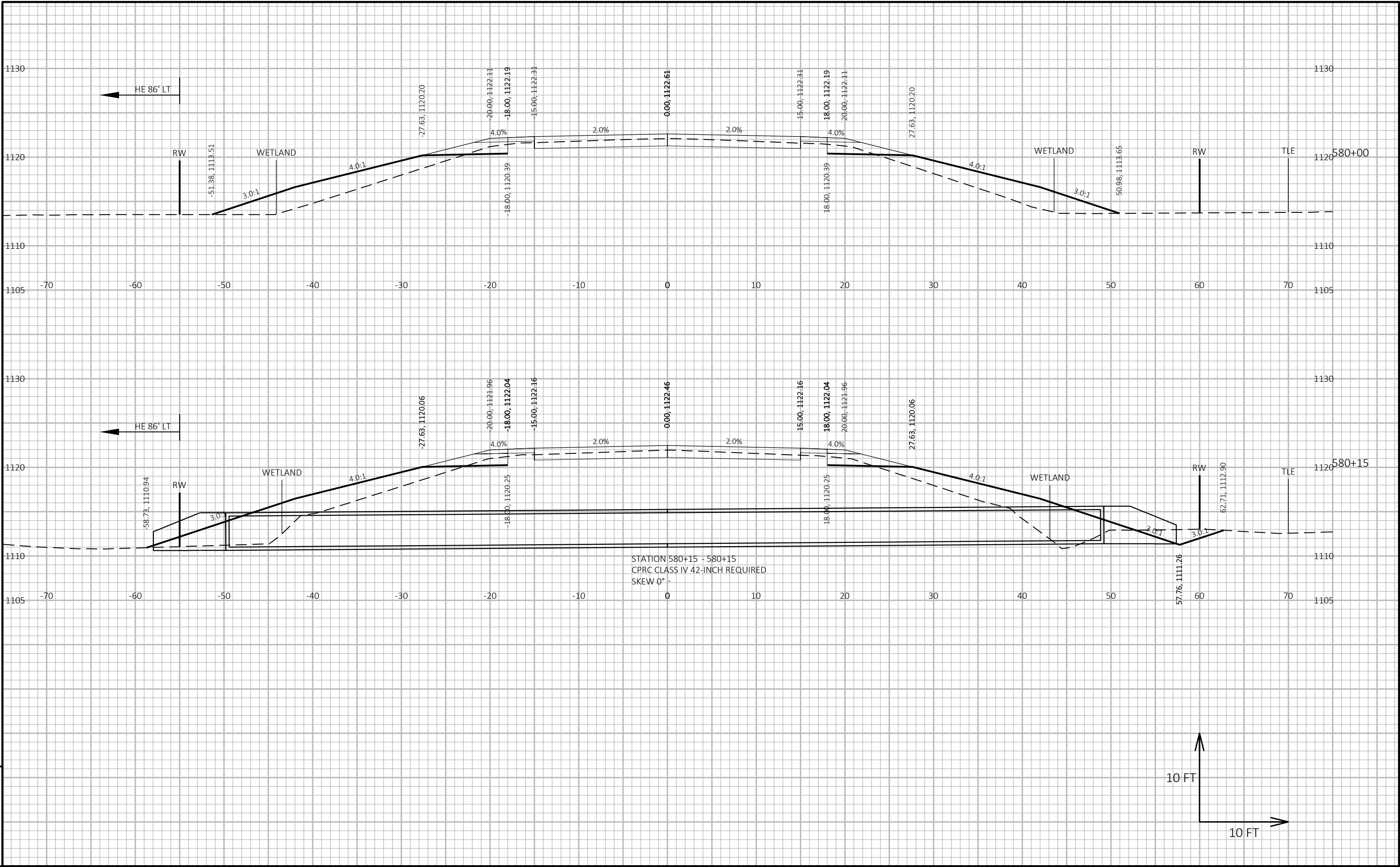






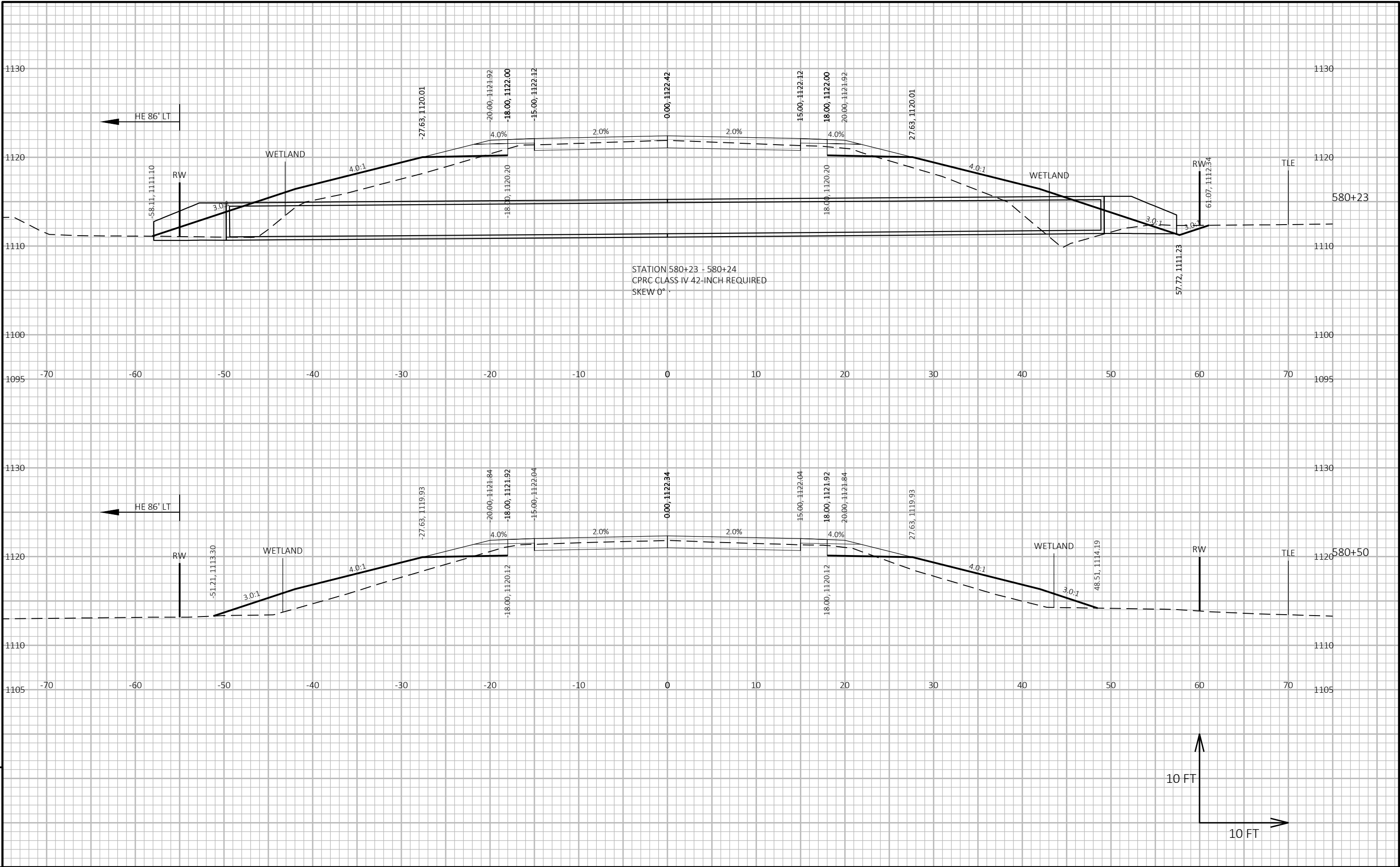


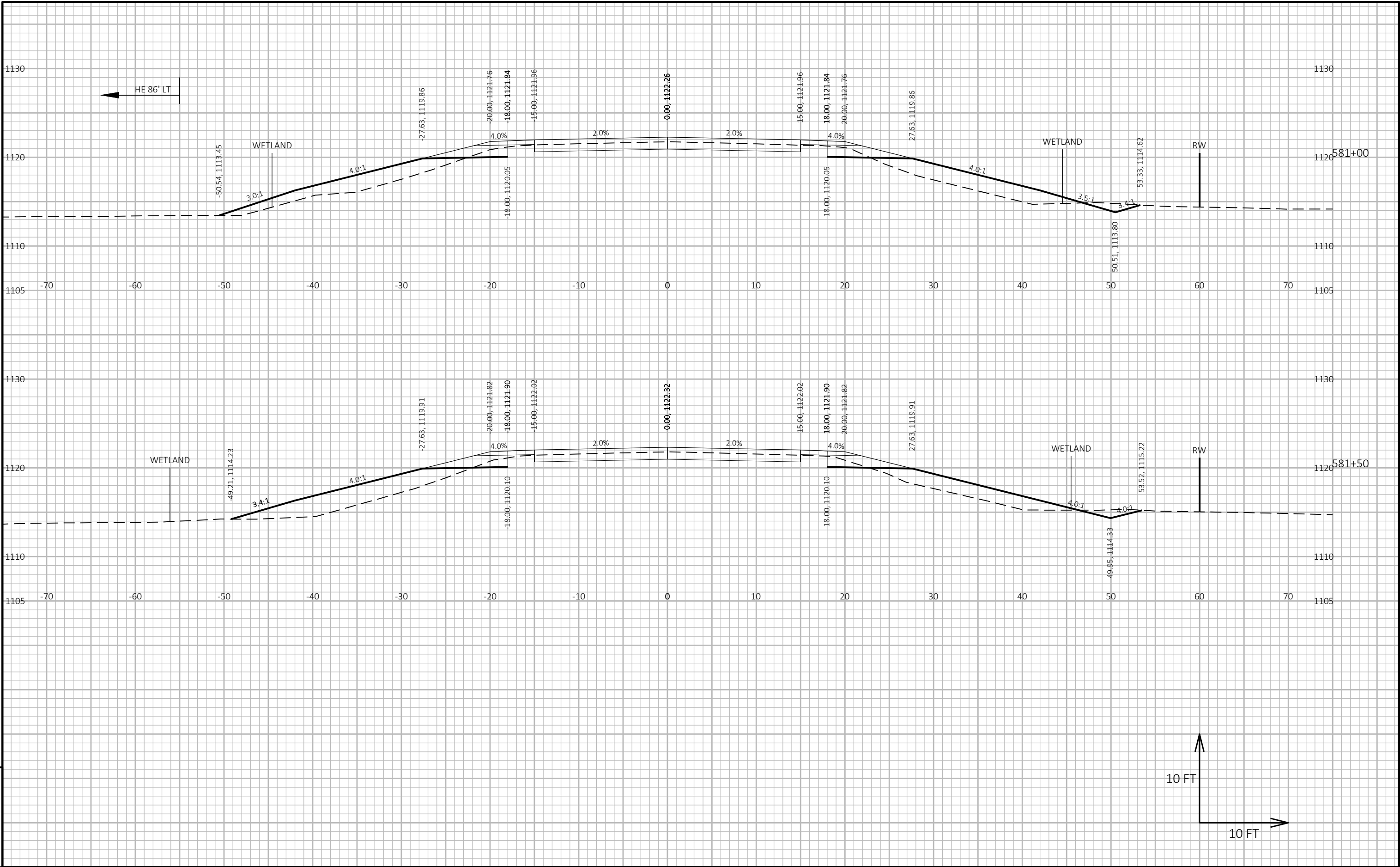


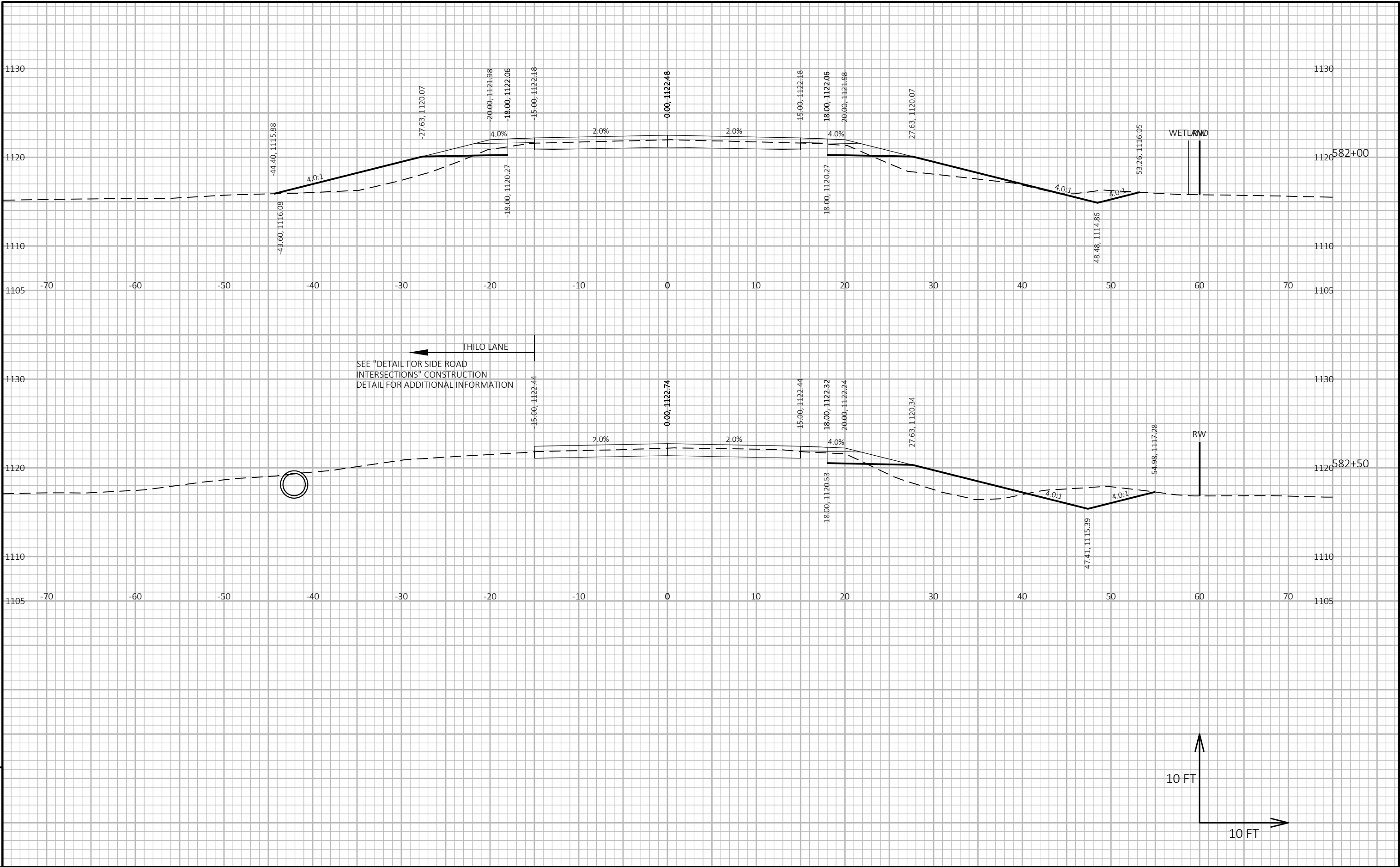


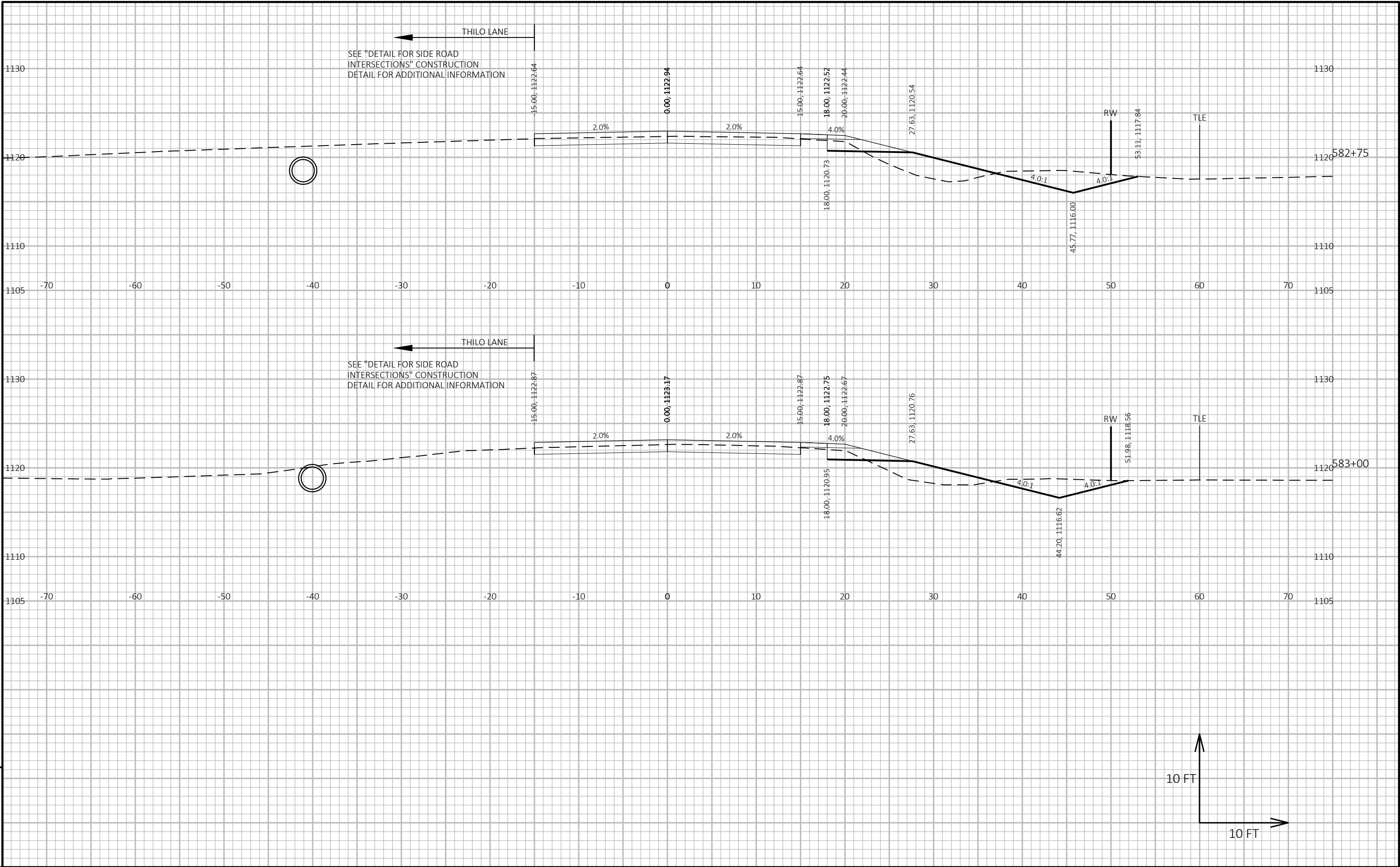
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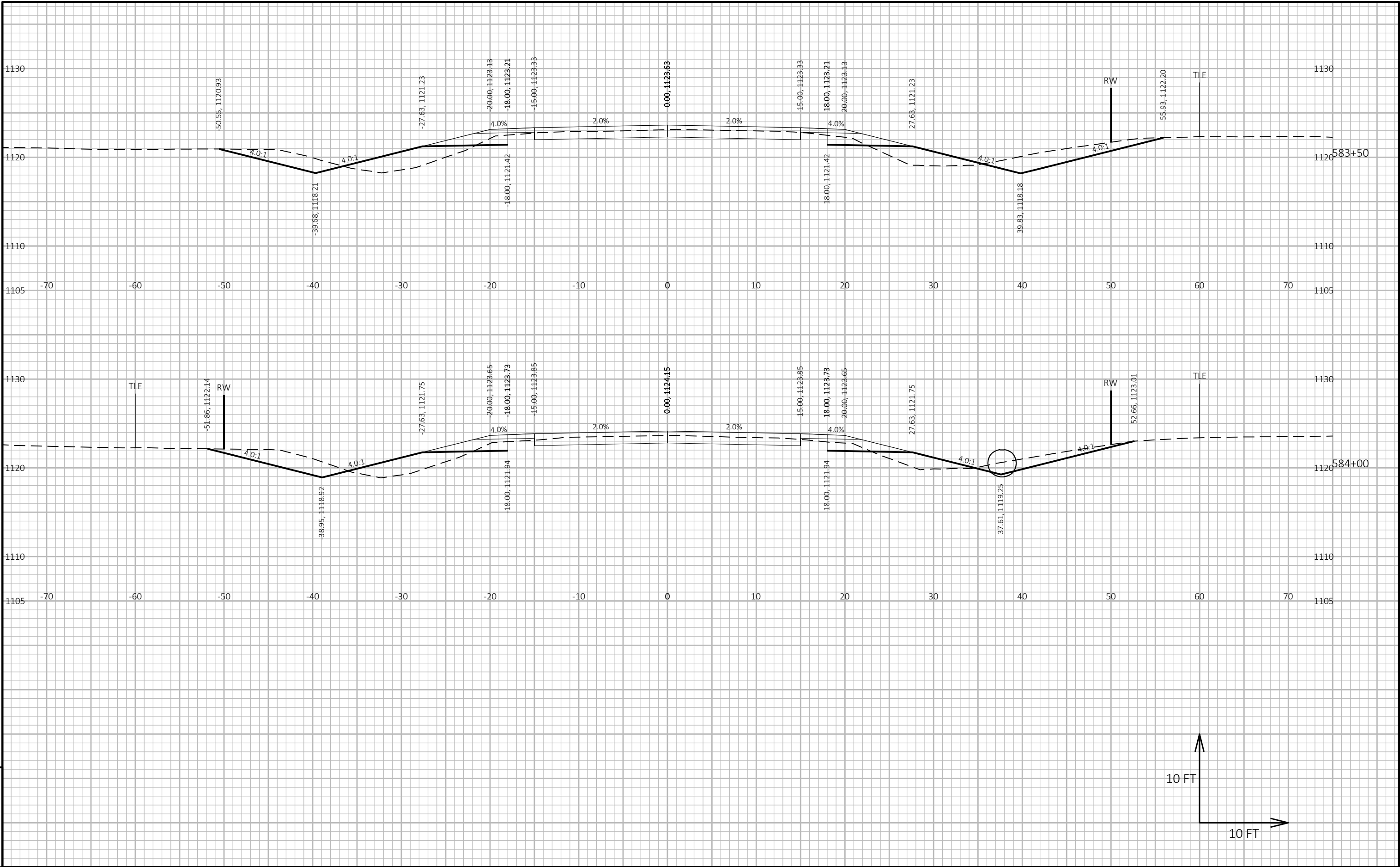
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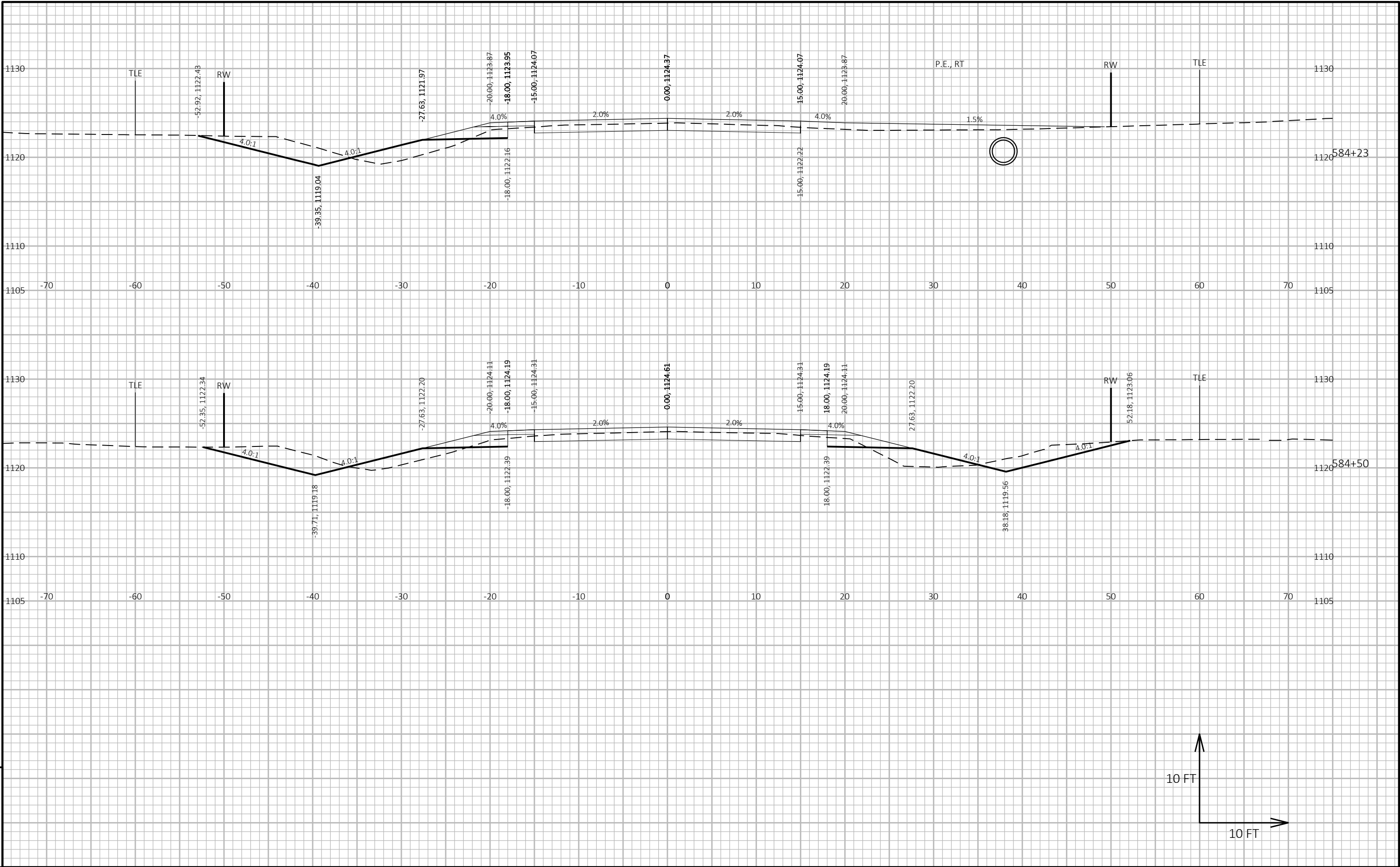


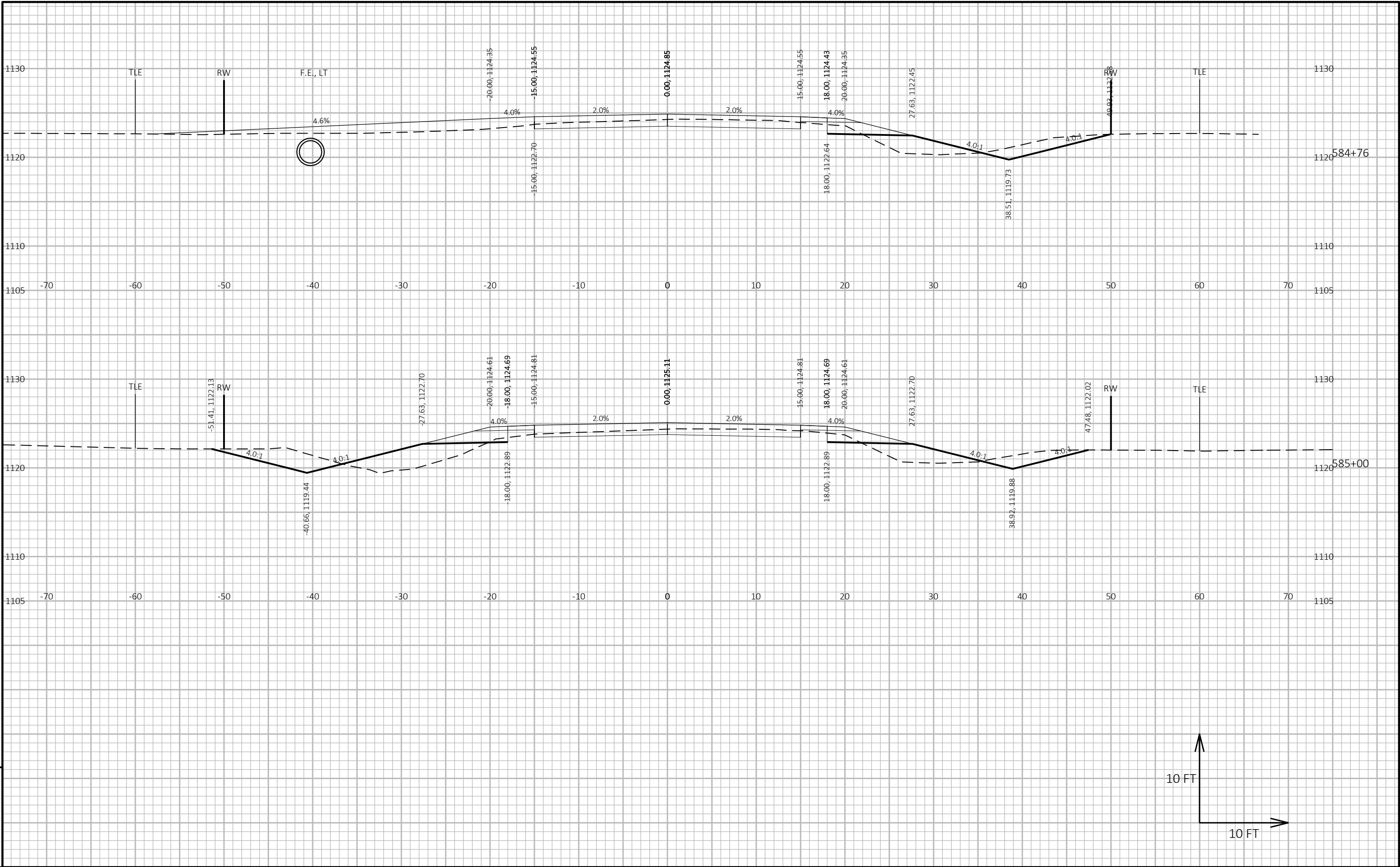


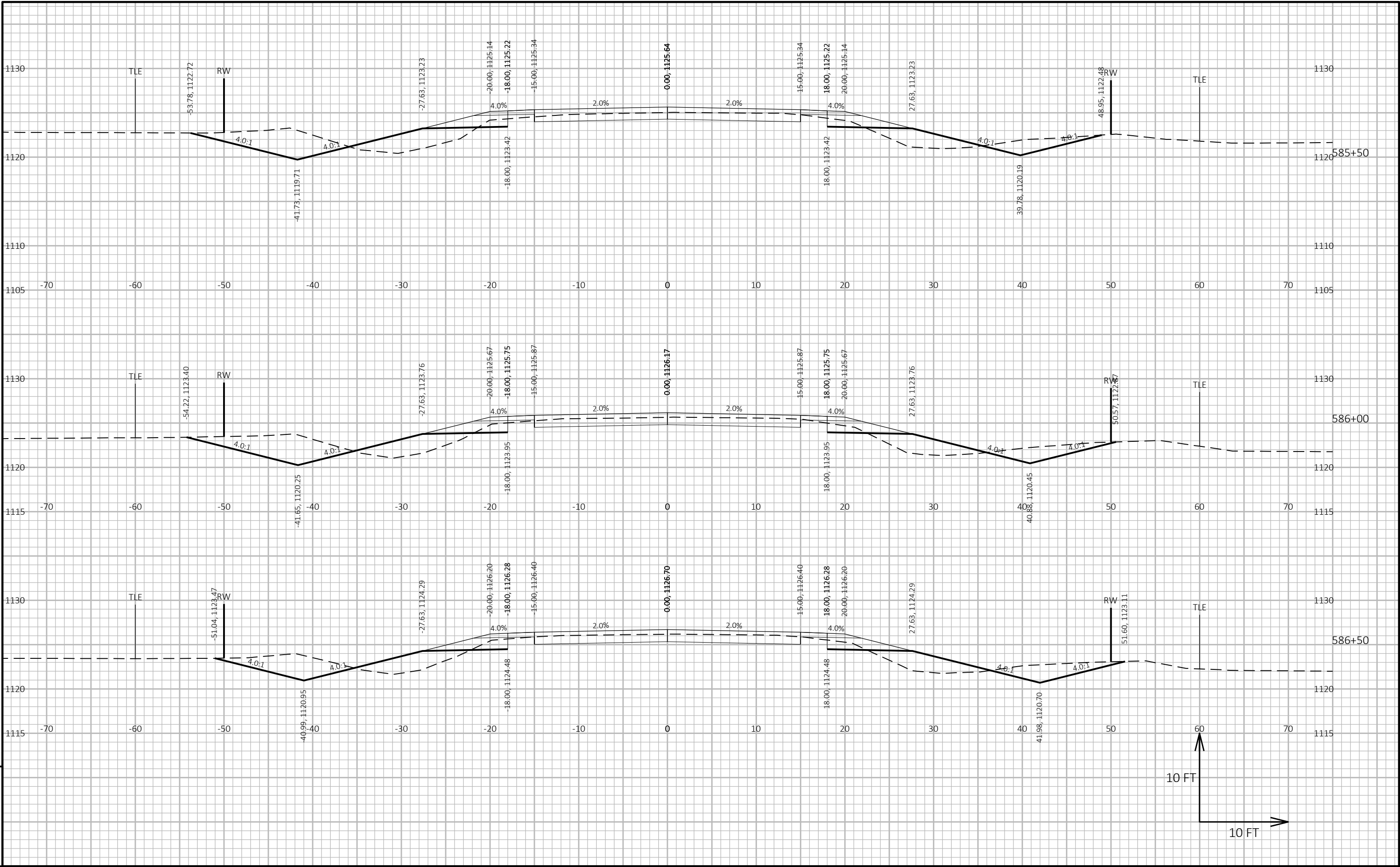


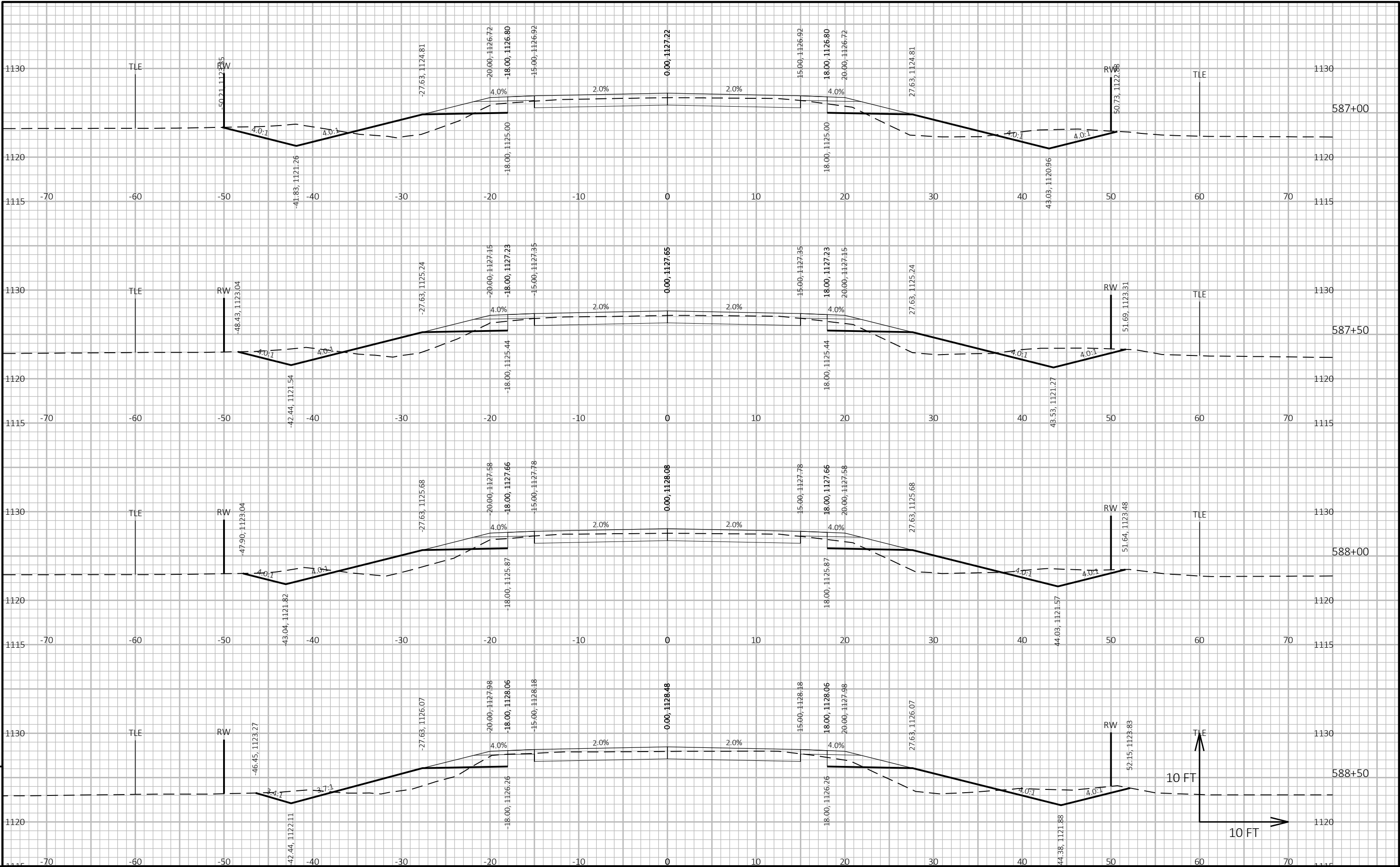


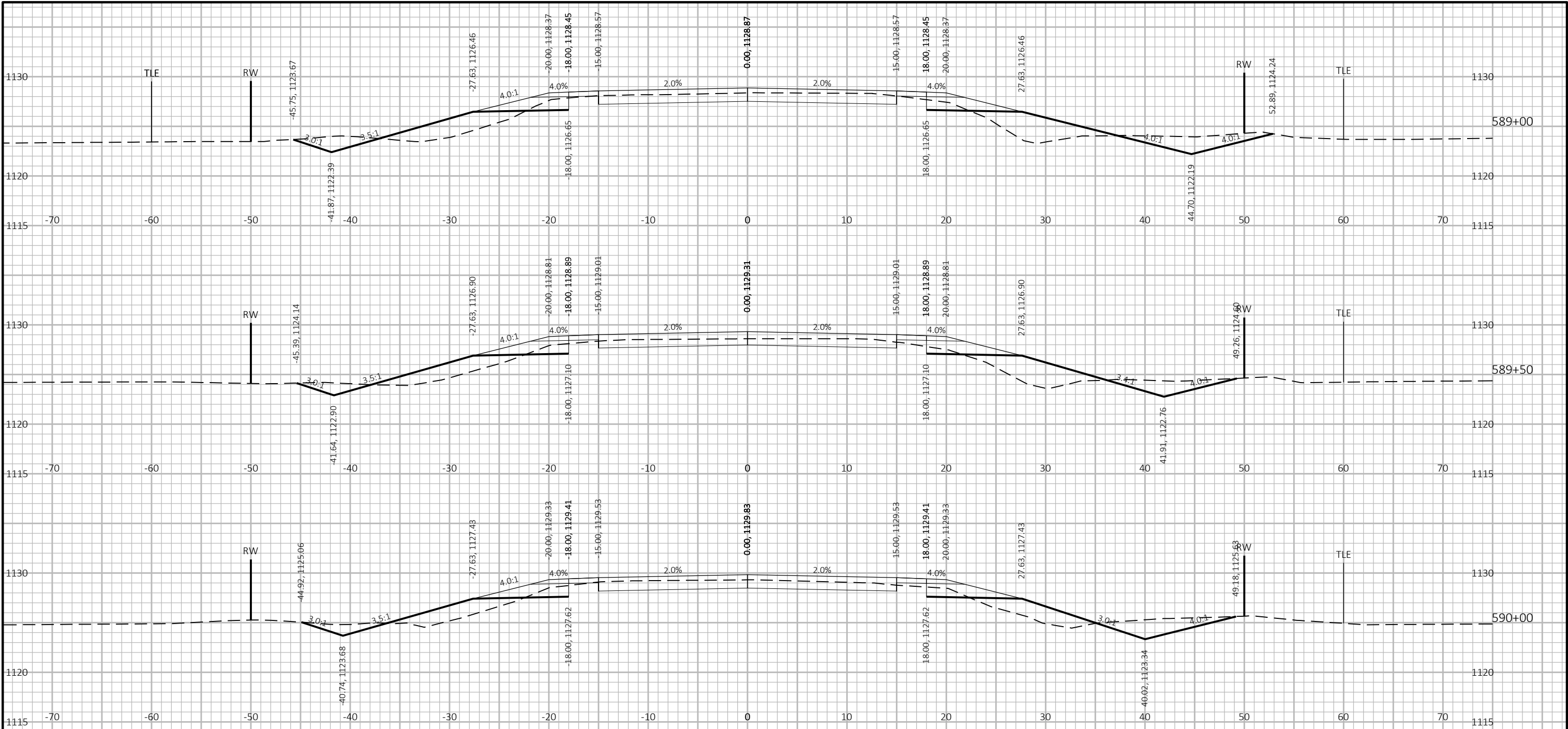


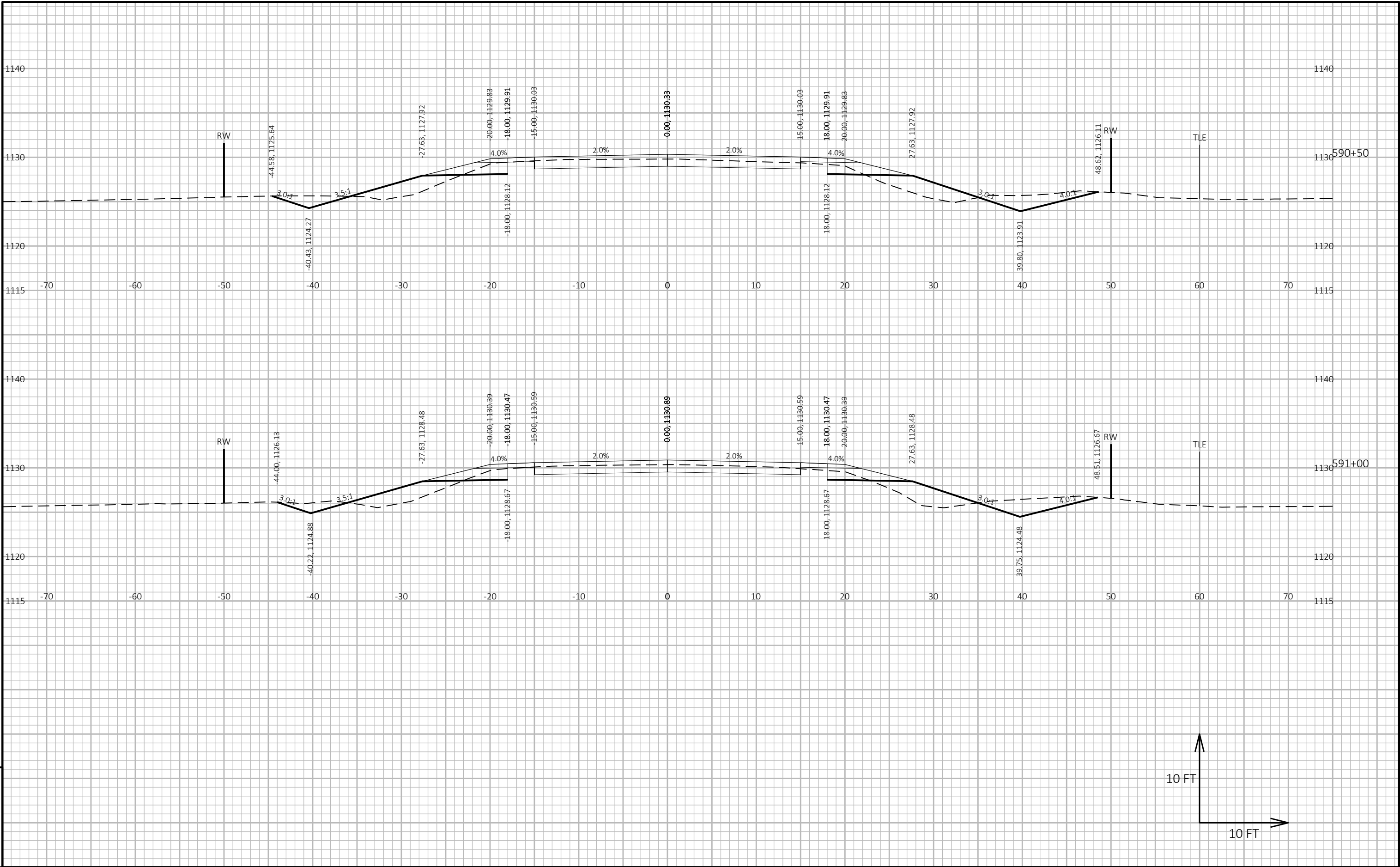


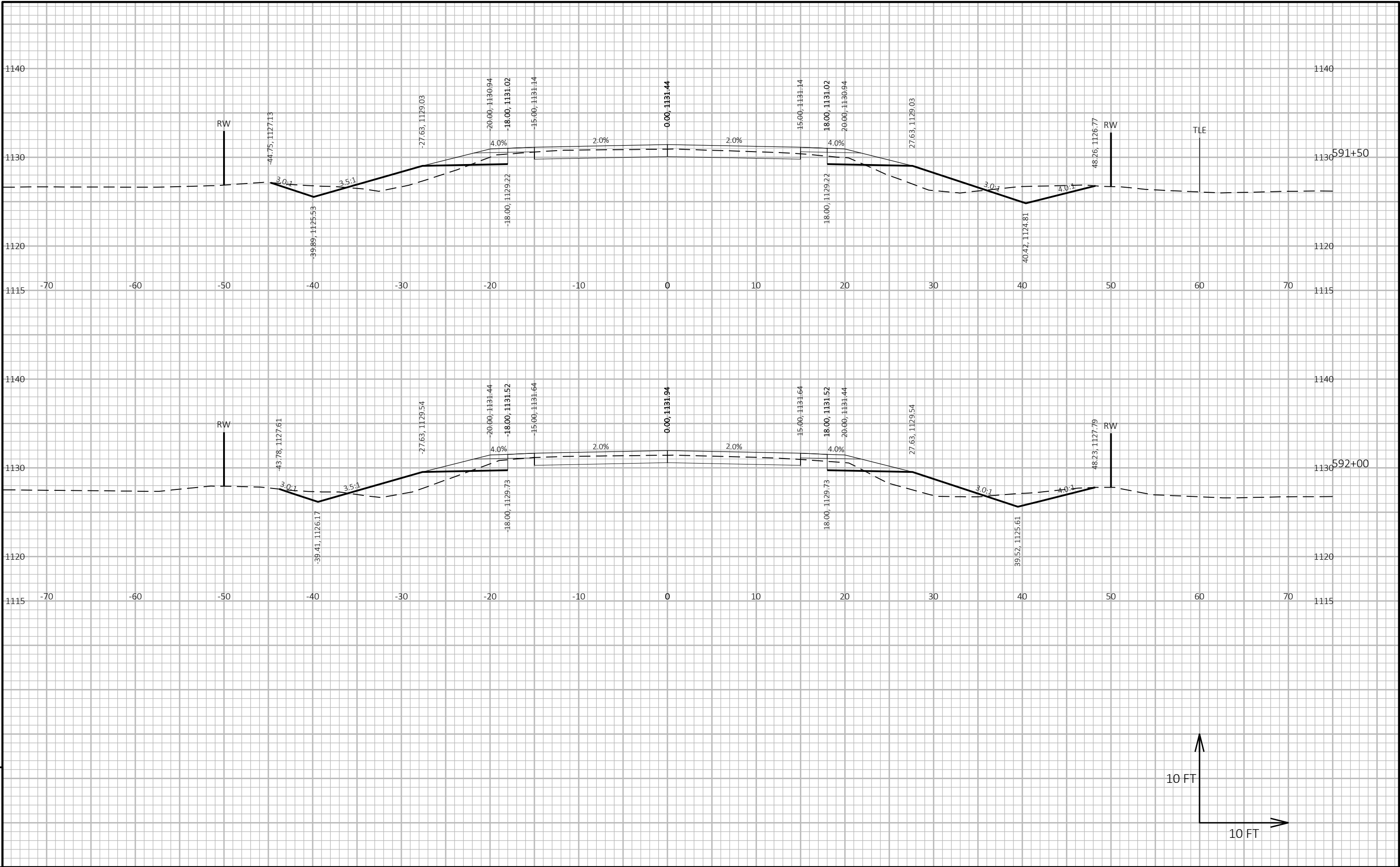


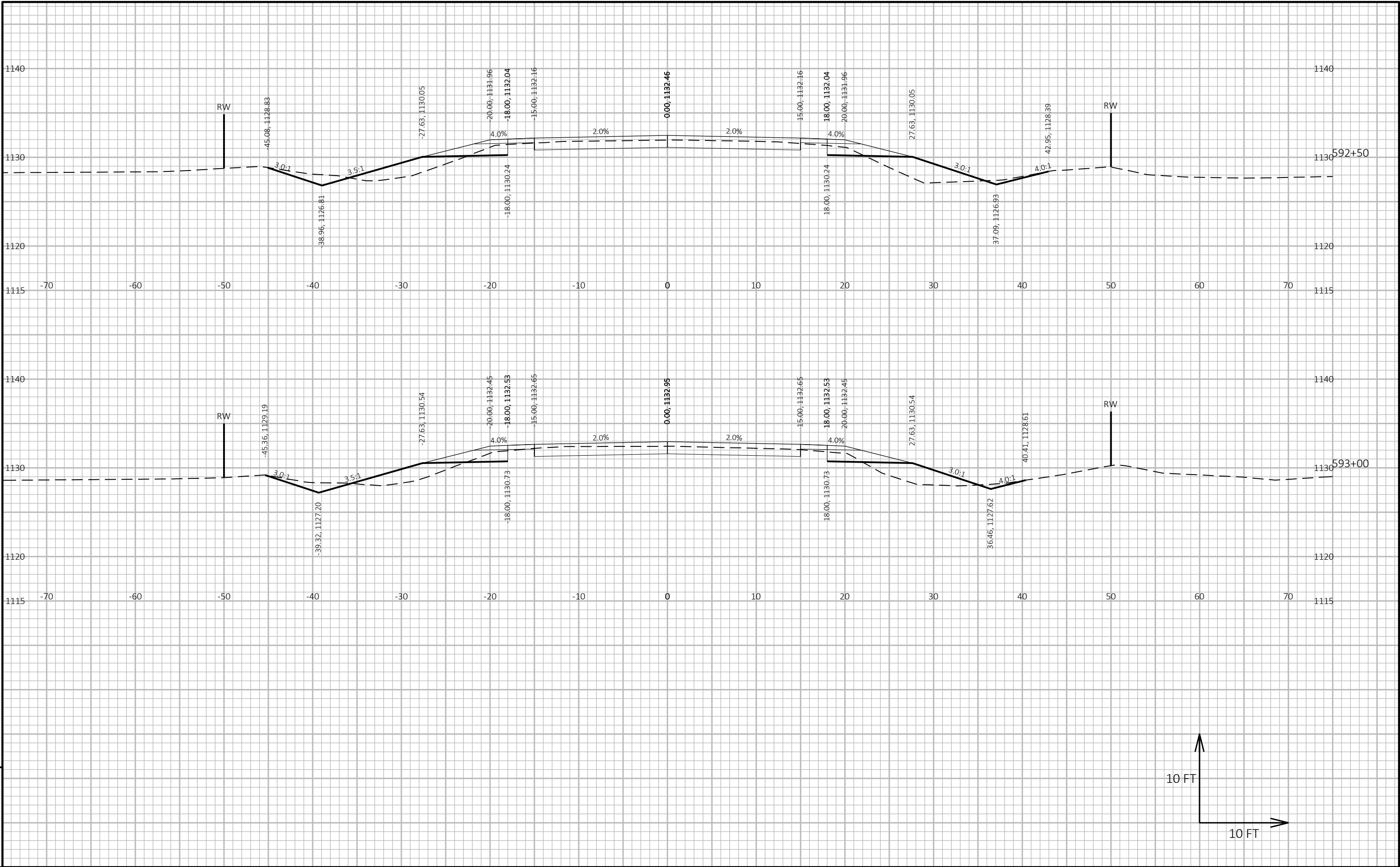








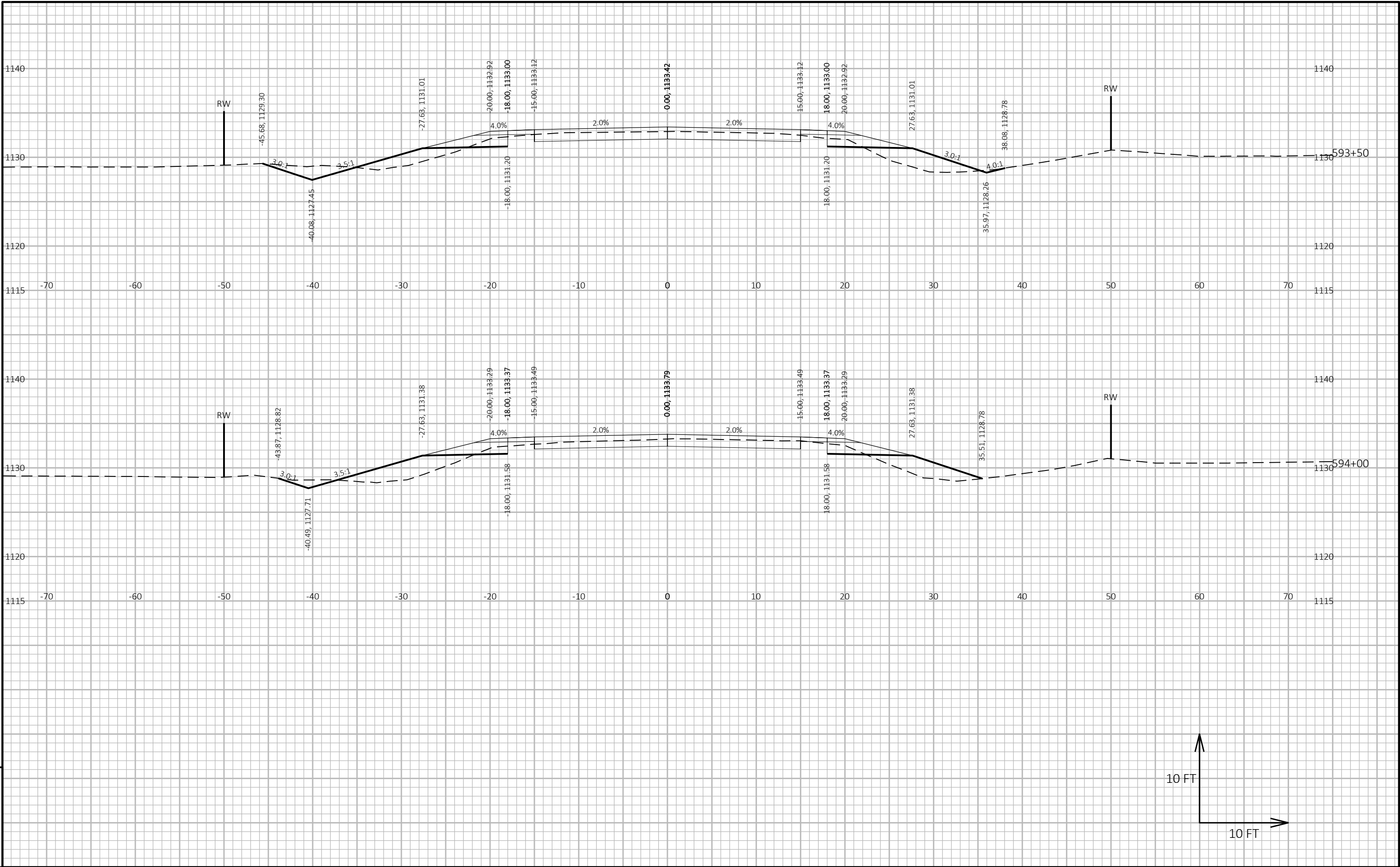


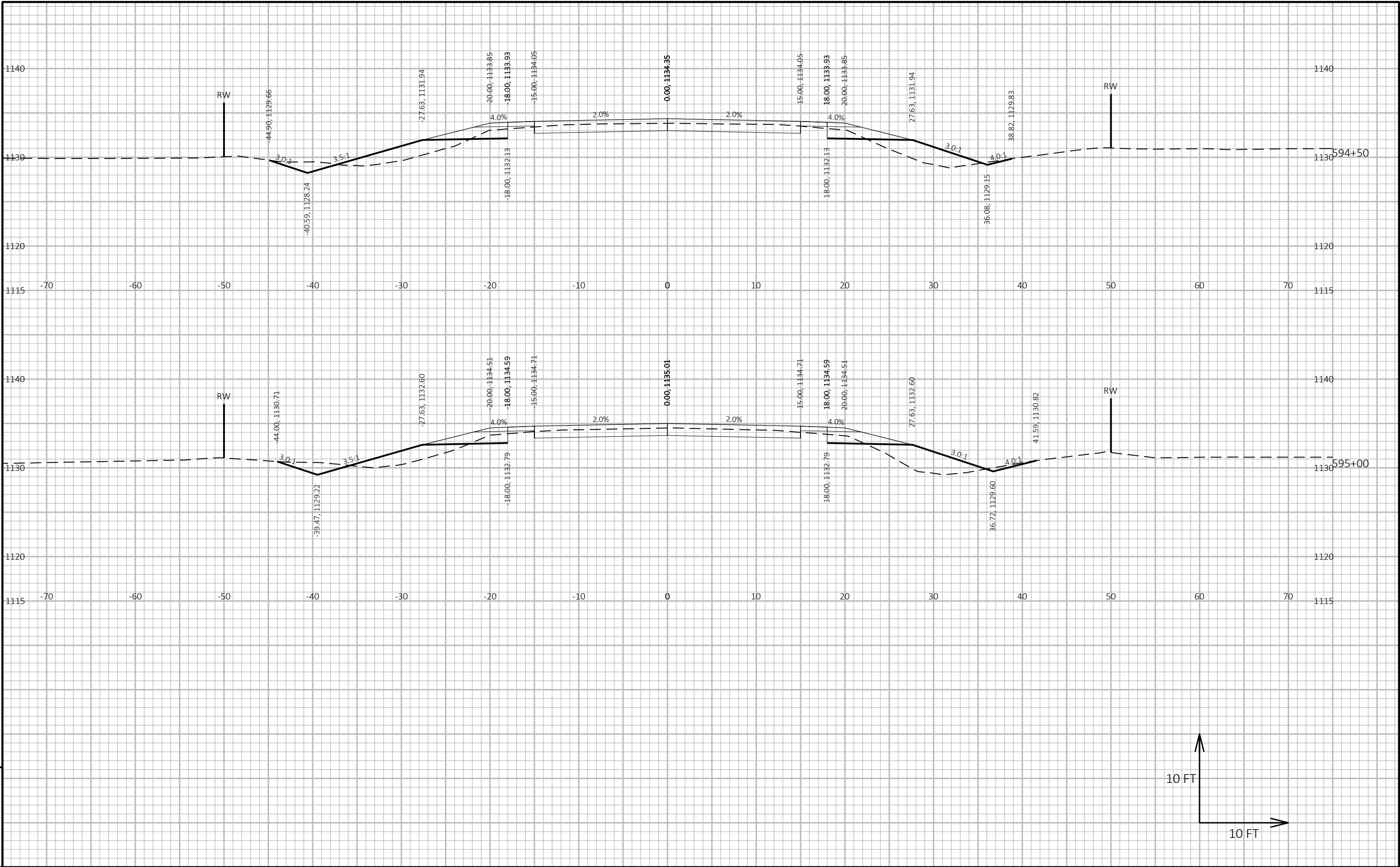


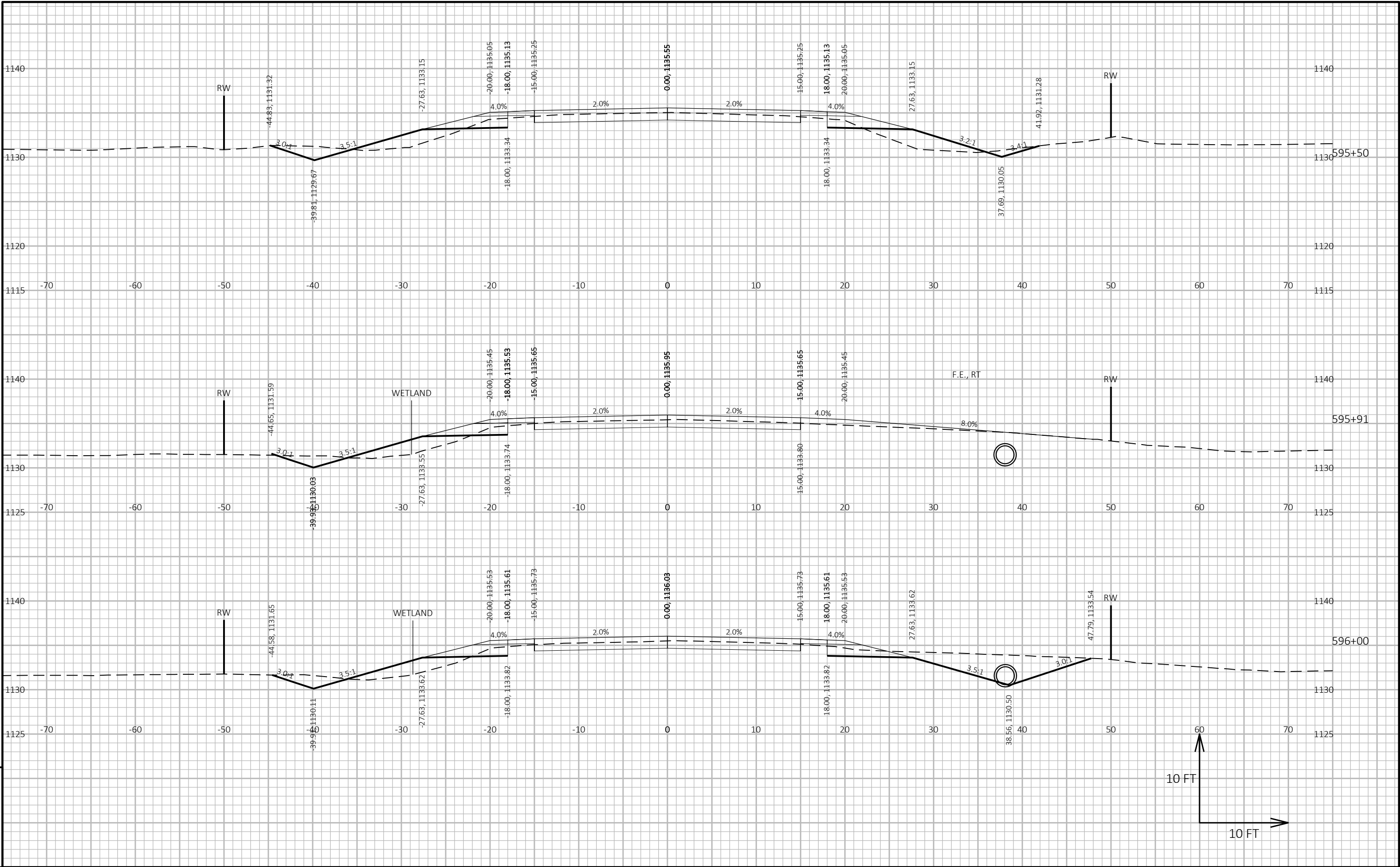
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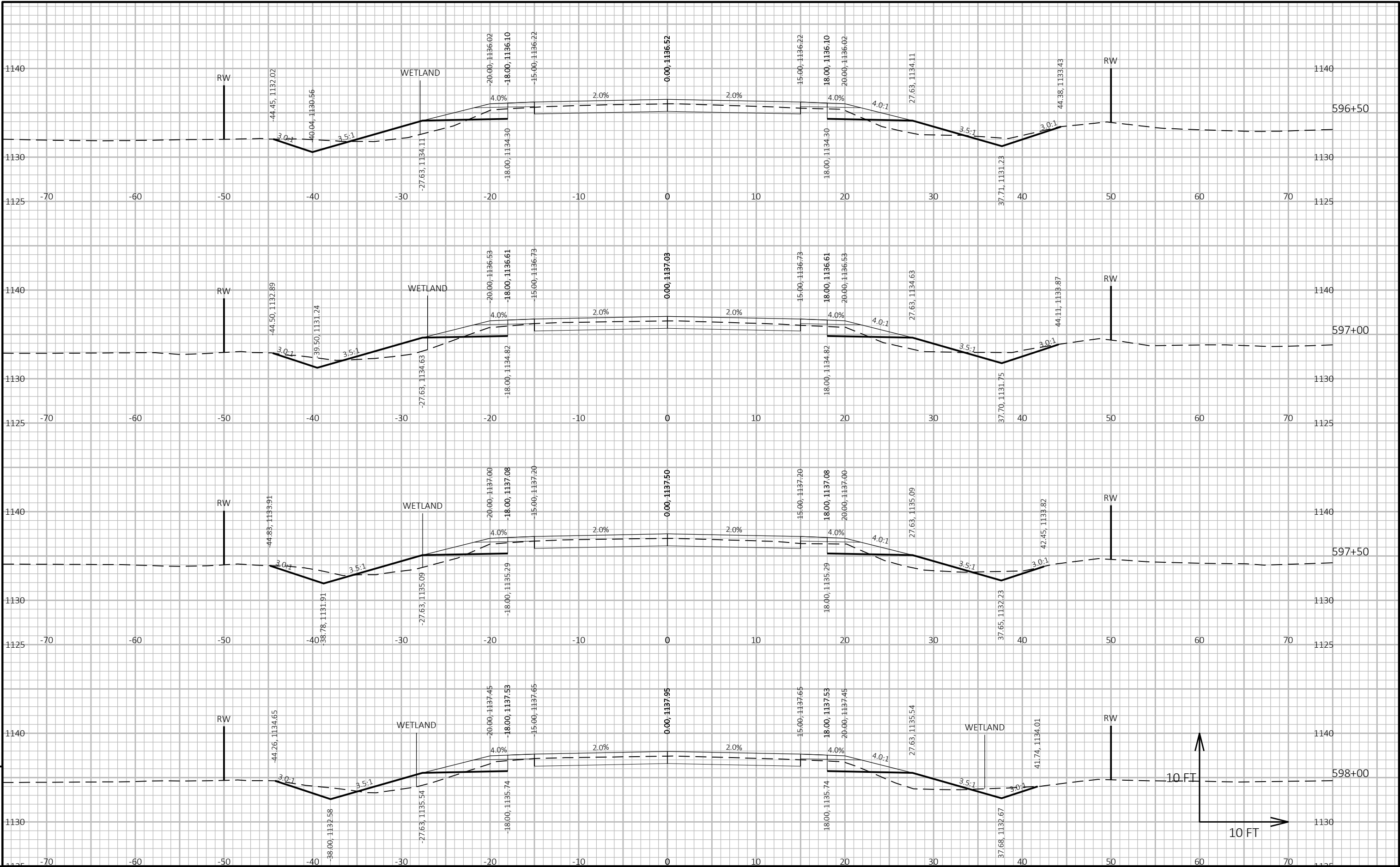
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PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 407	E
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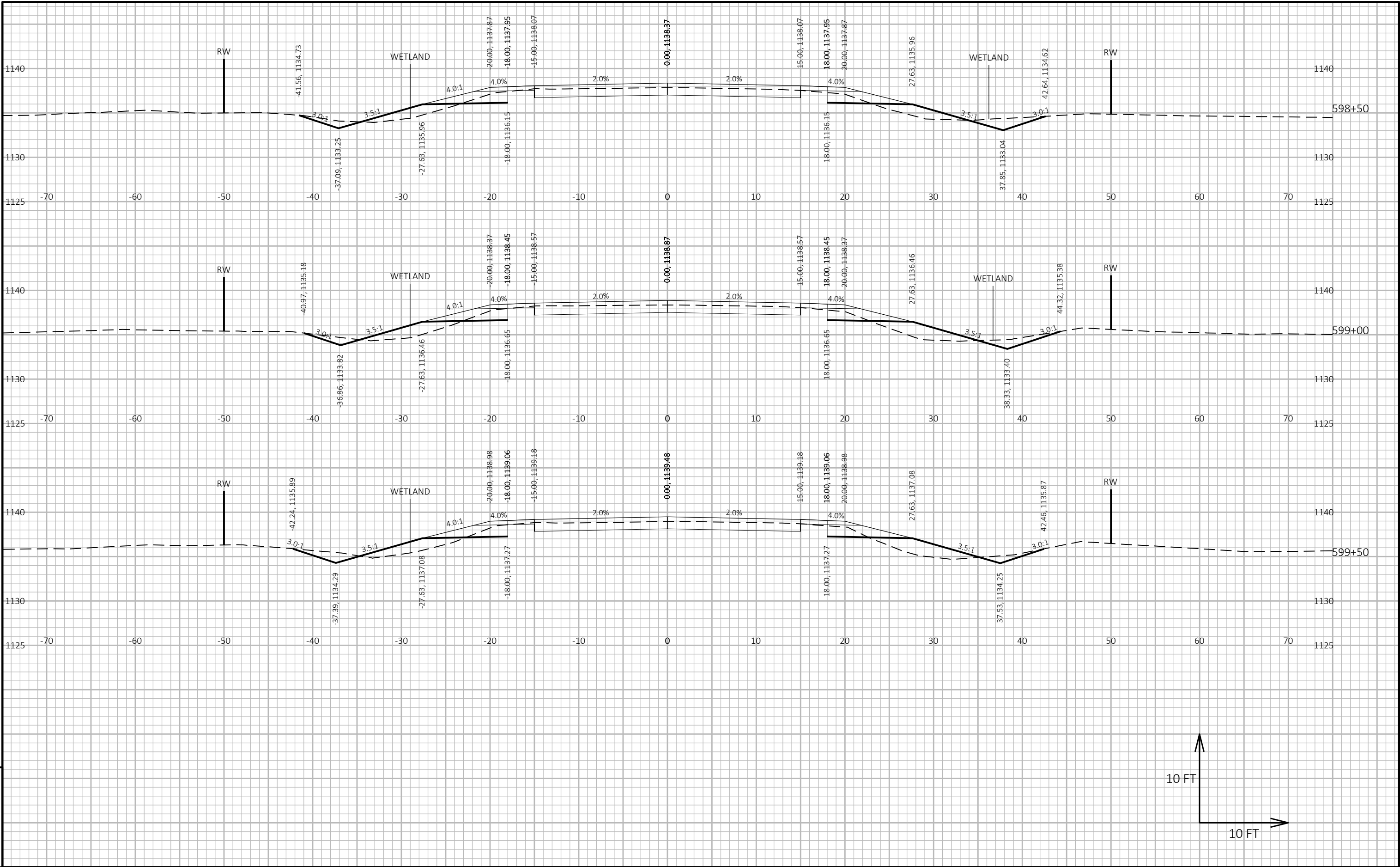


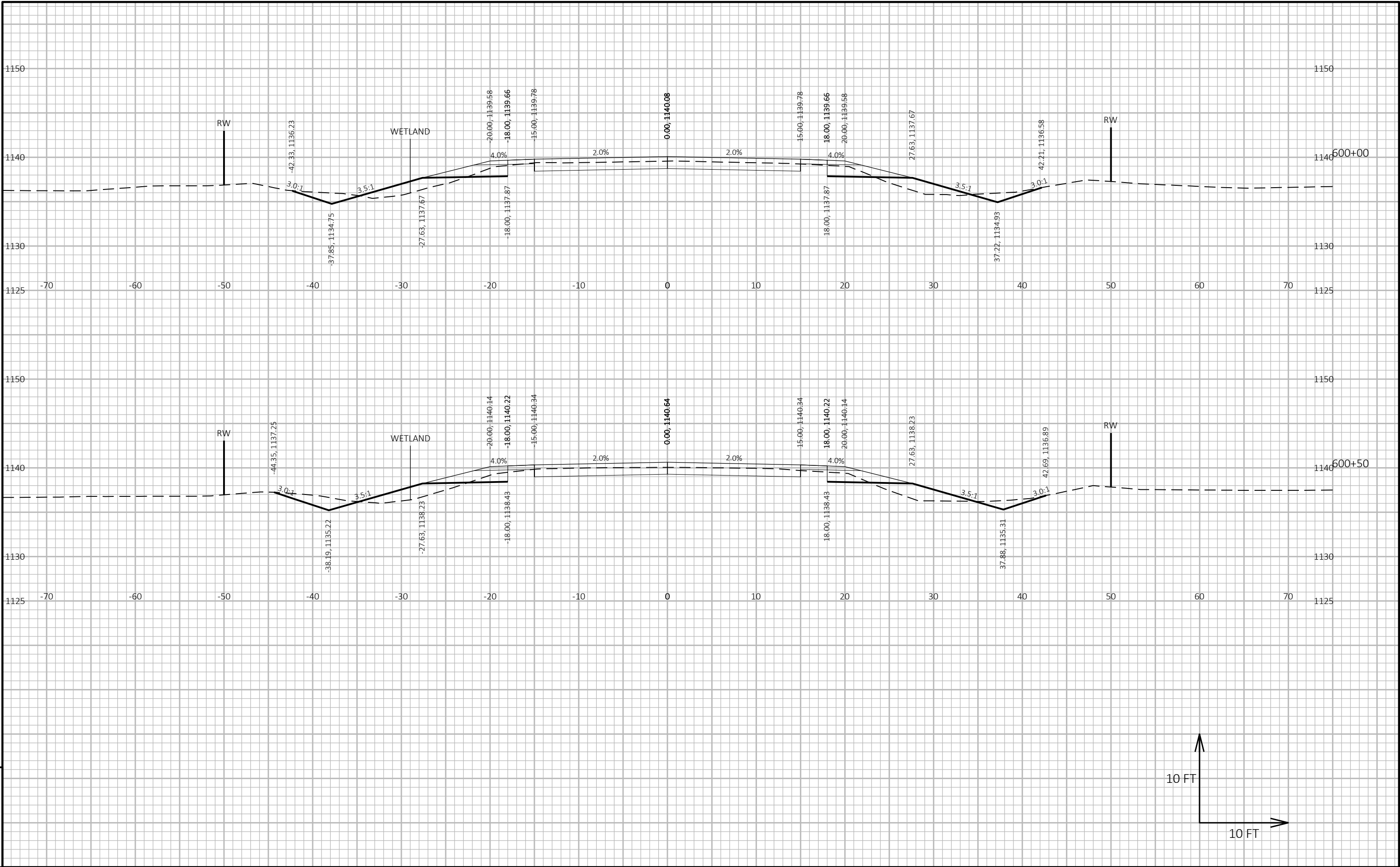


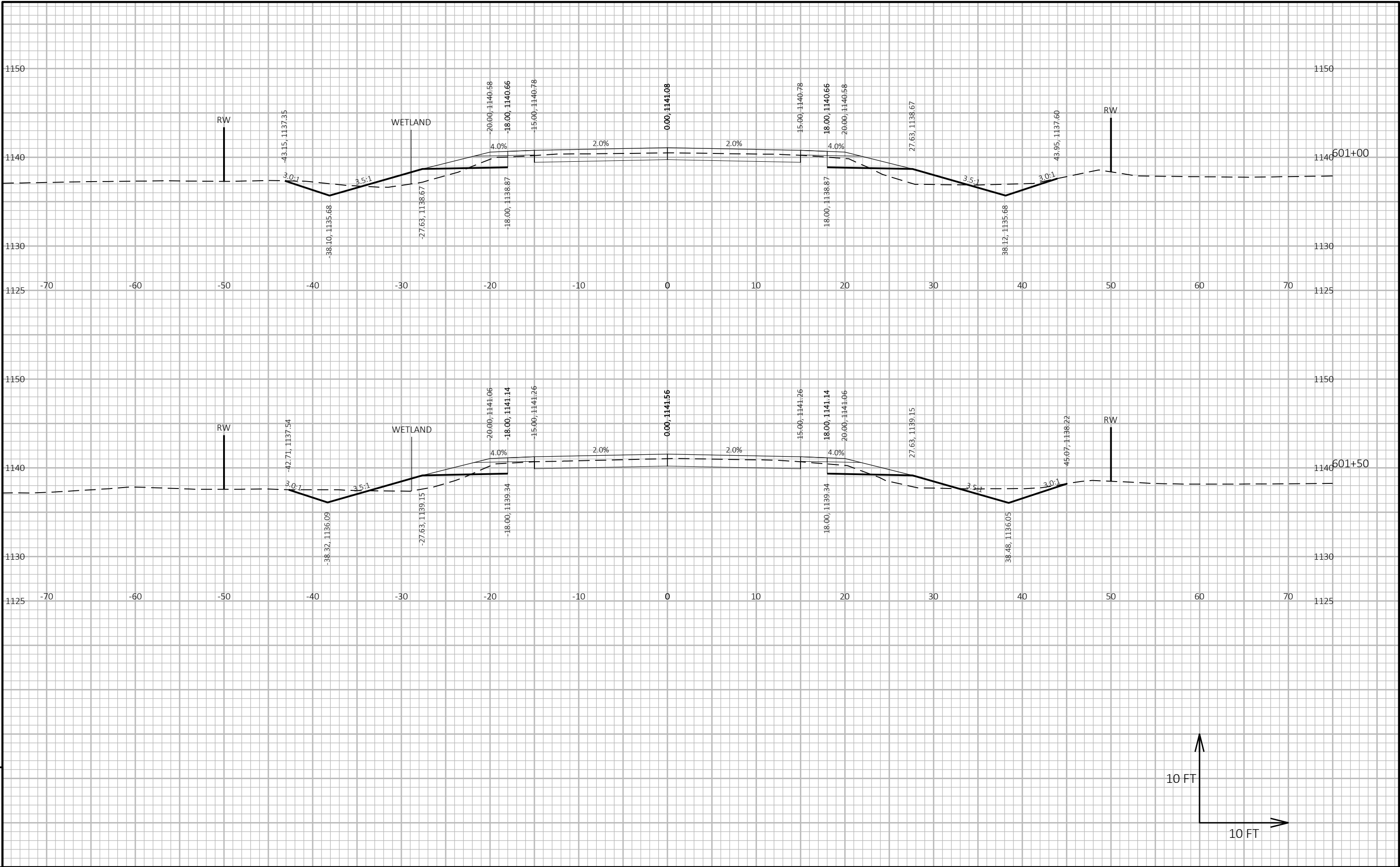
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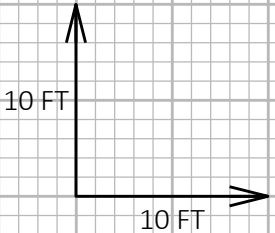
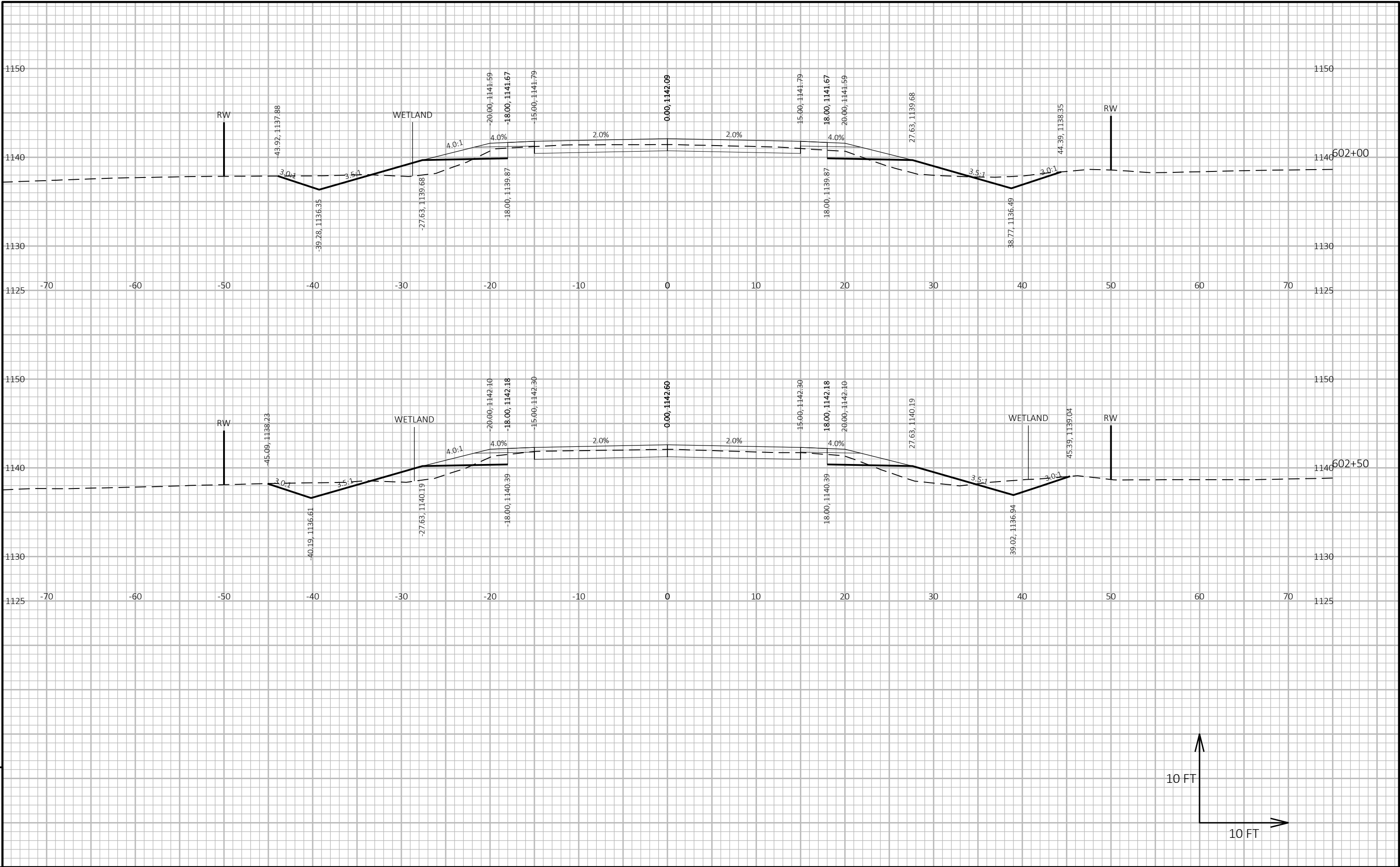
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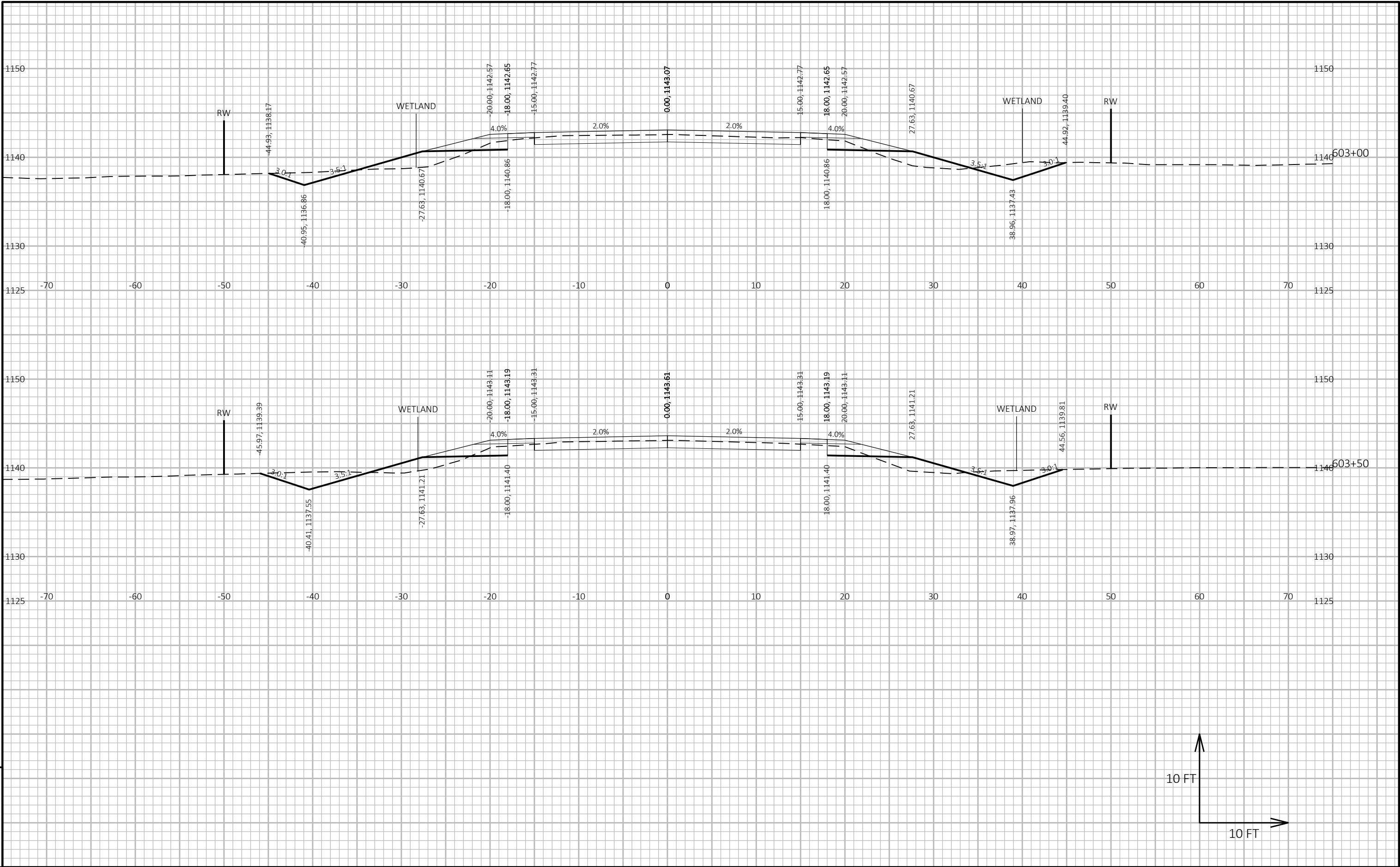
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 411	E
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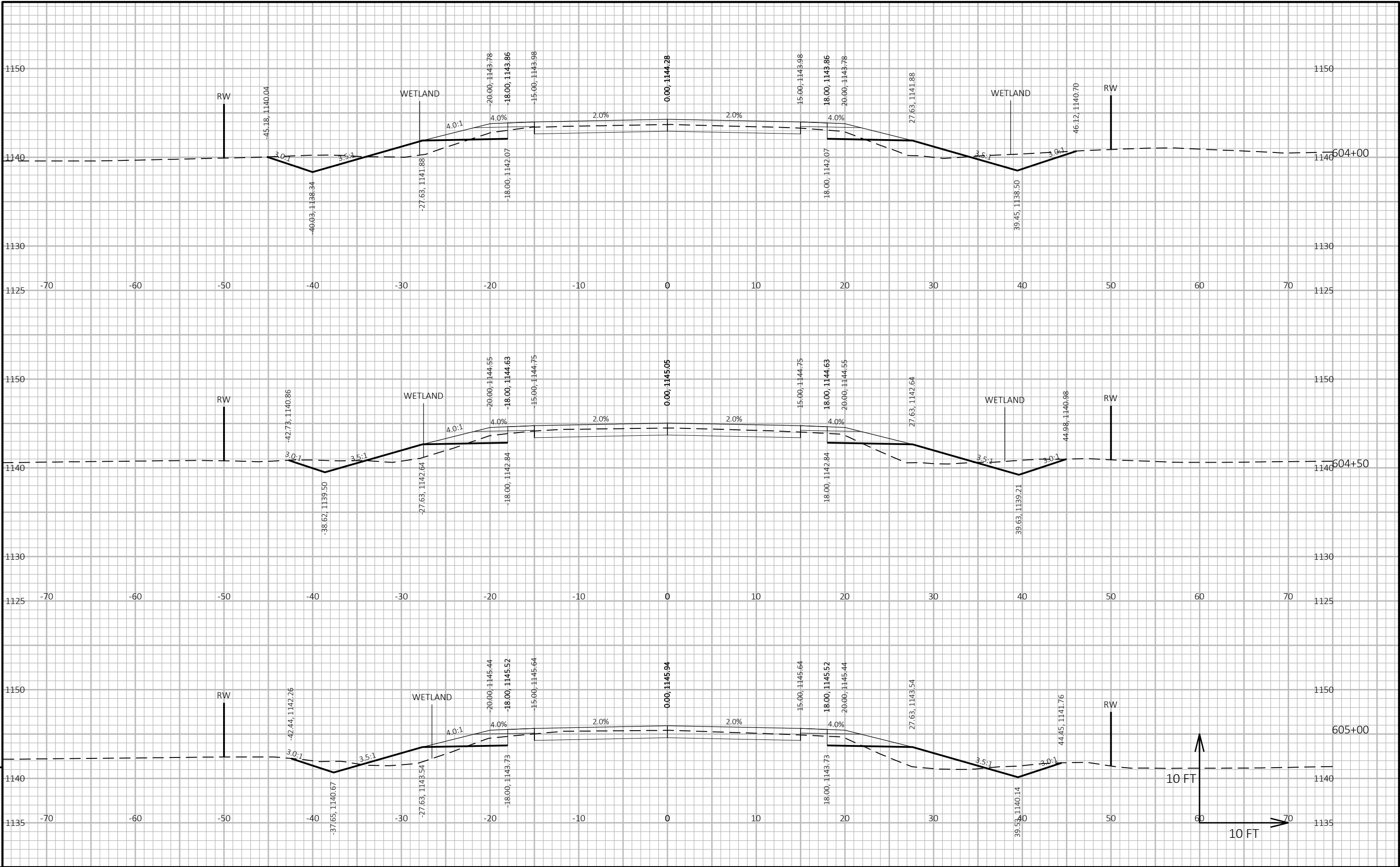


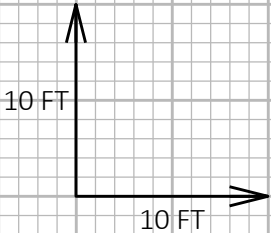
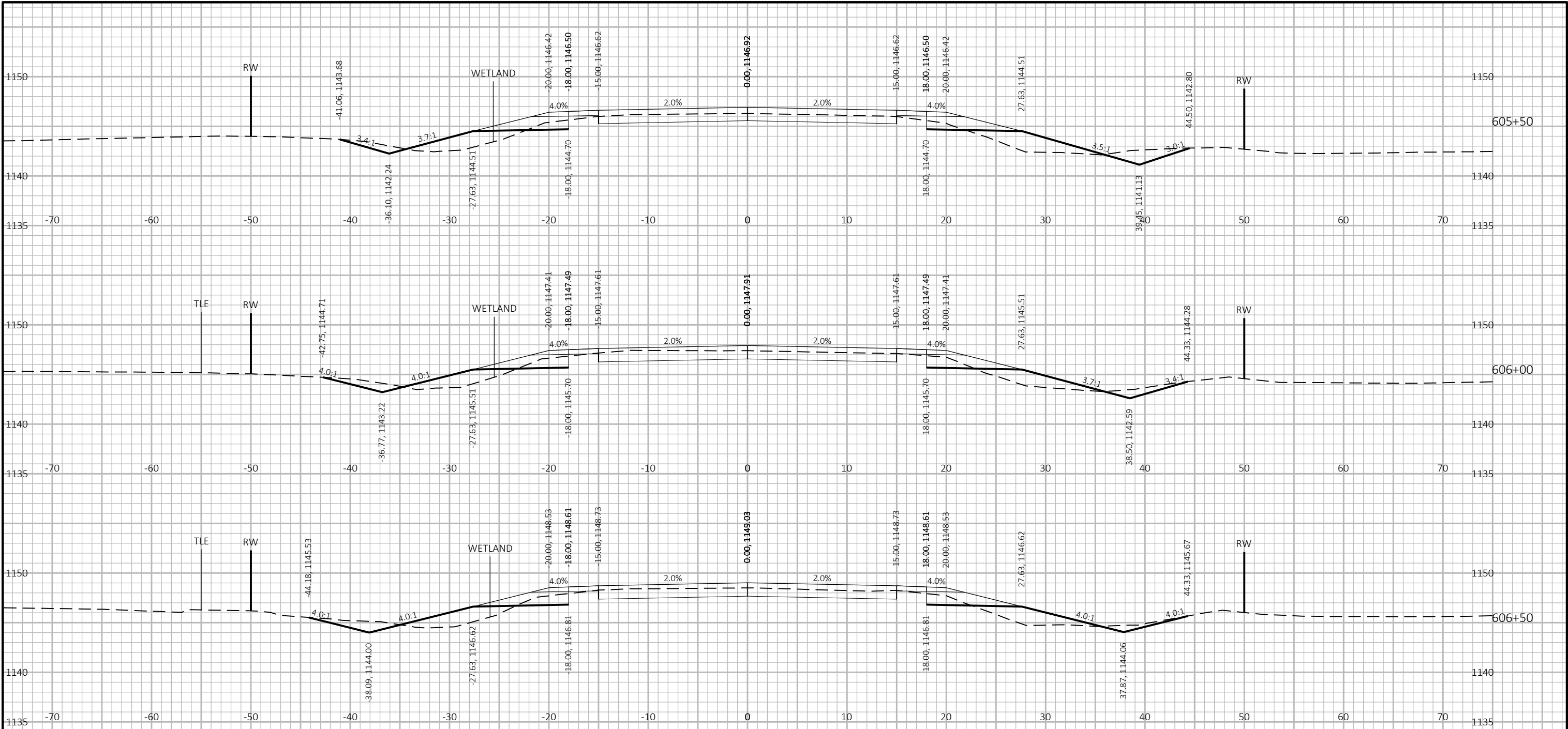




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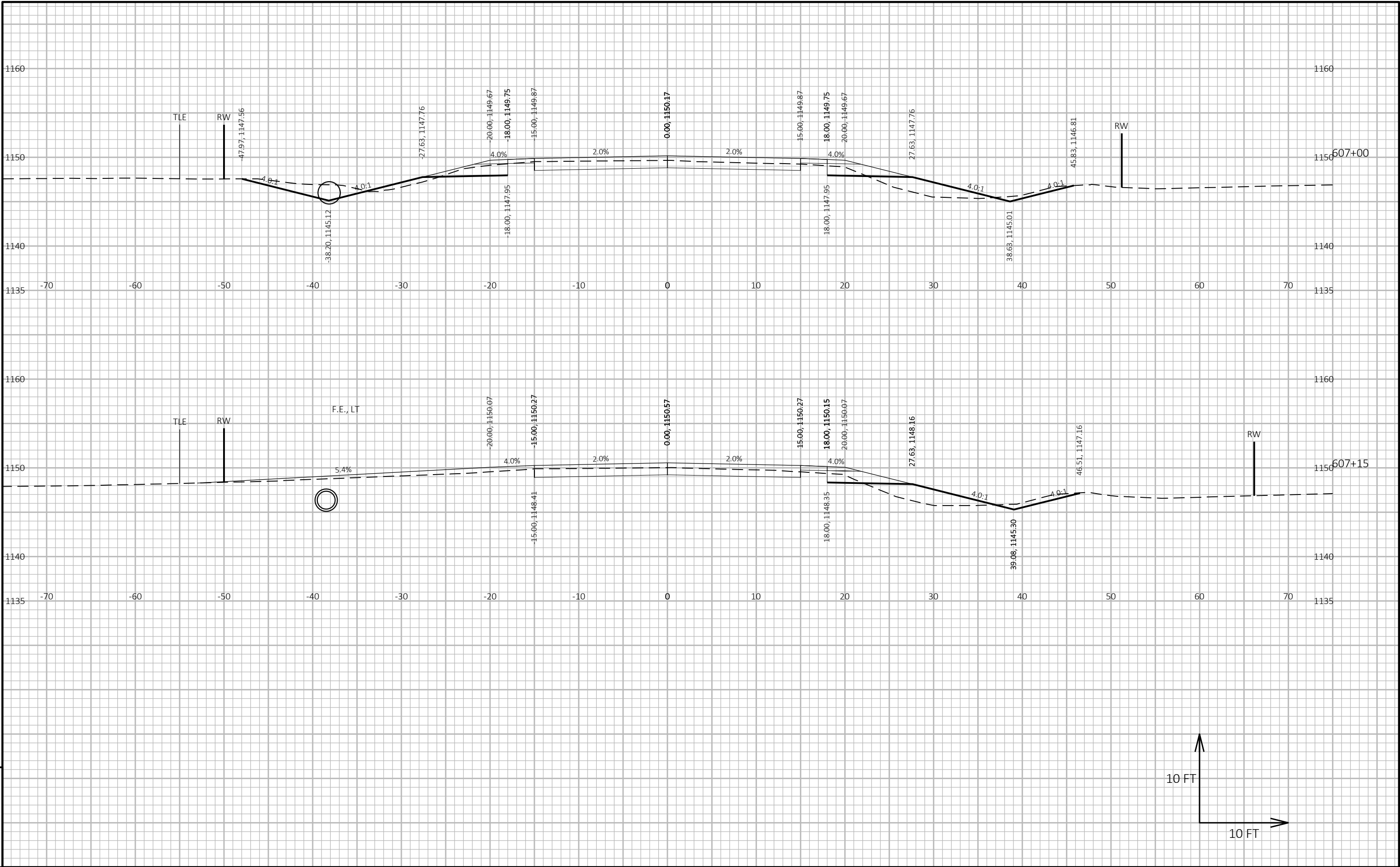
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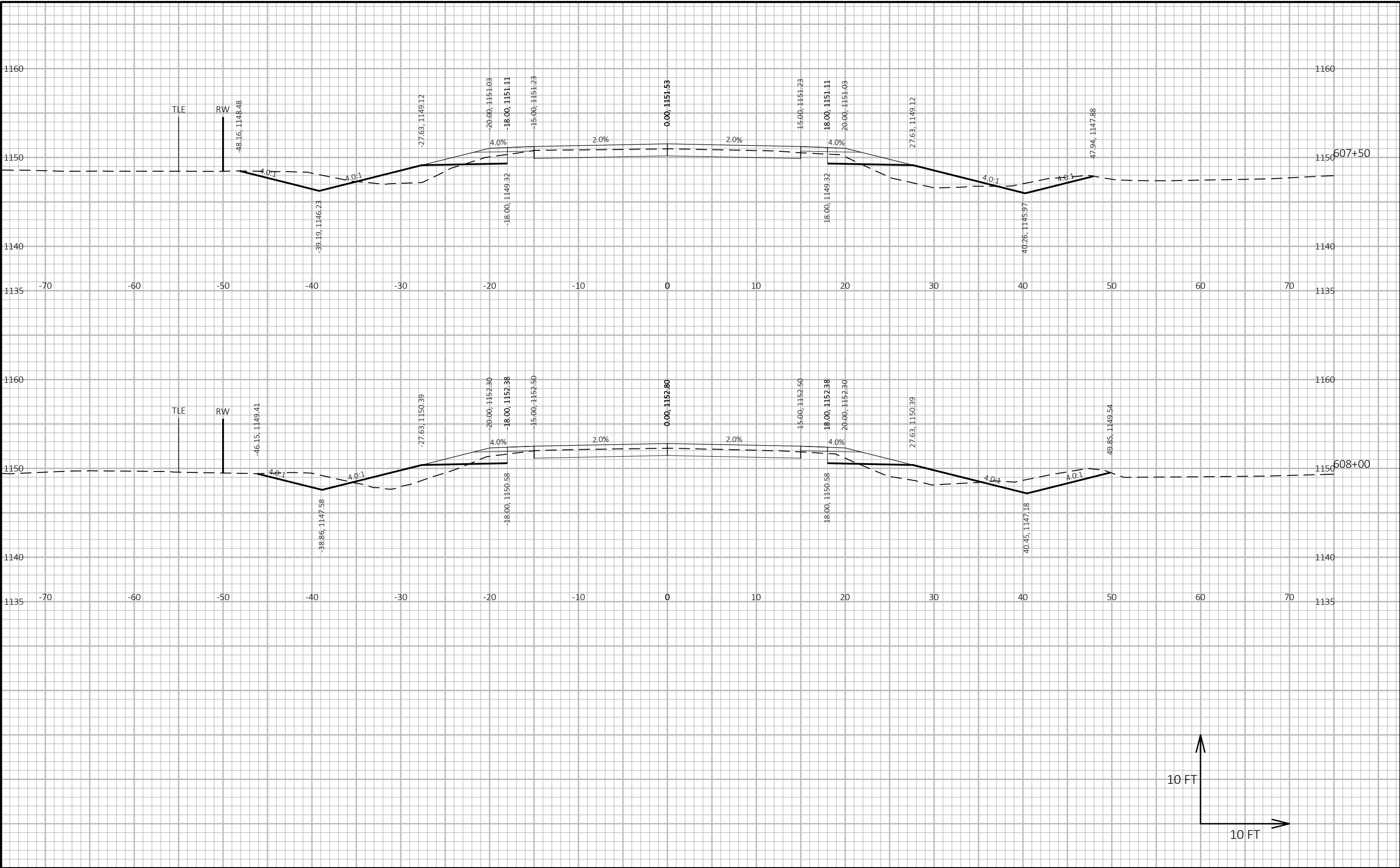




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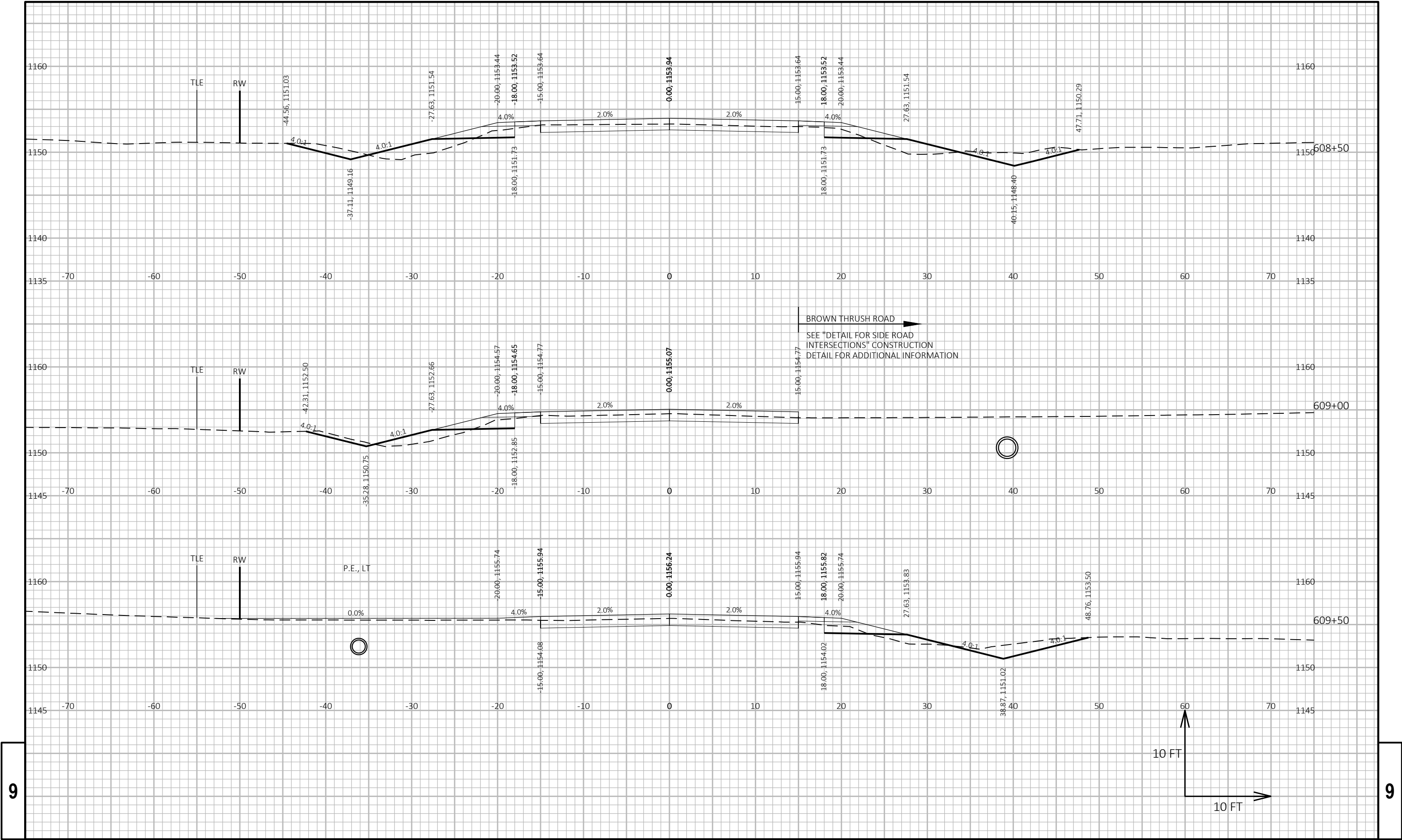
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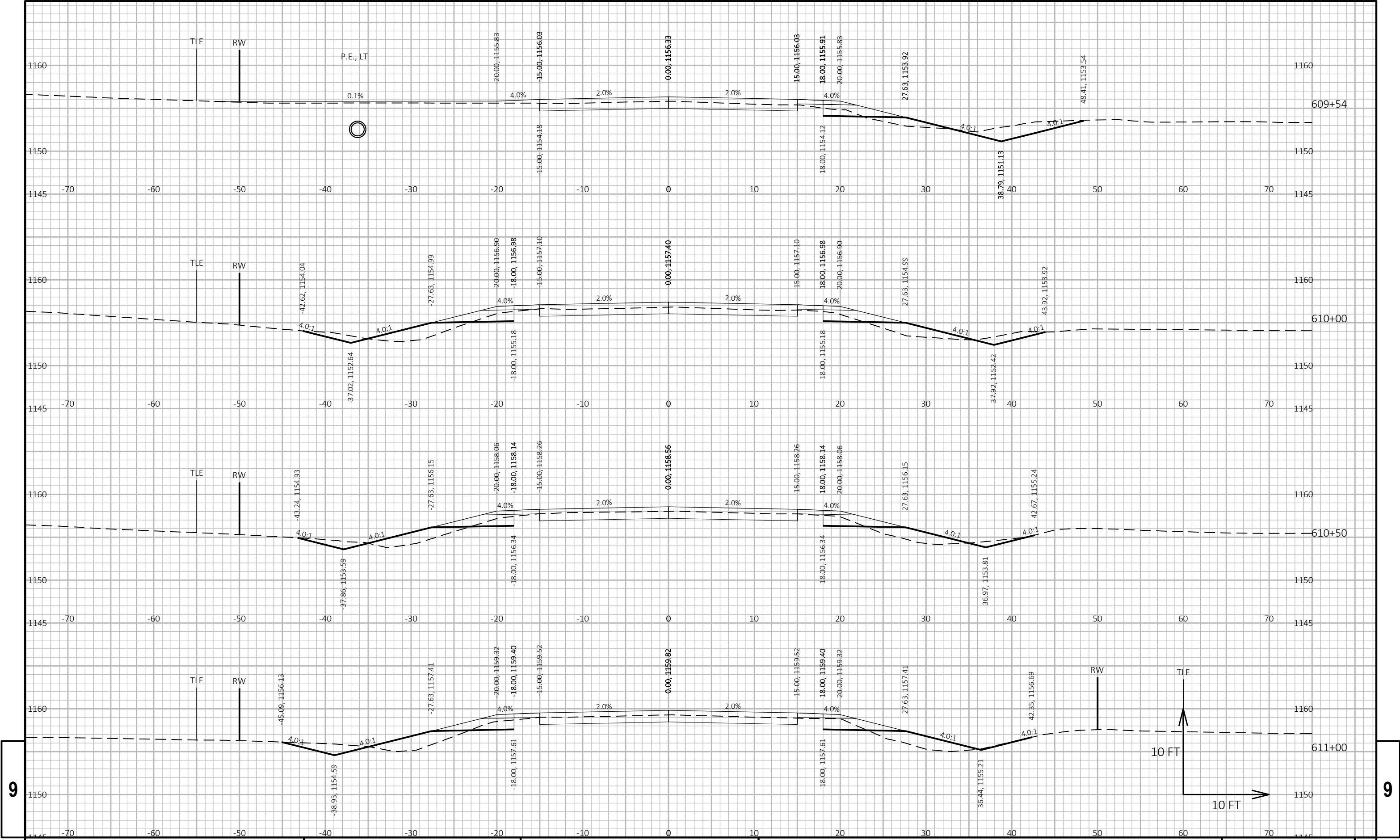


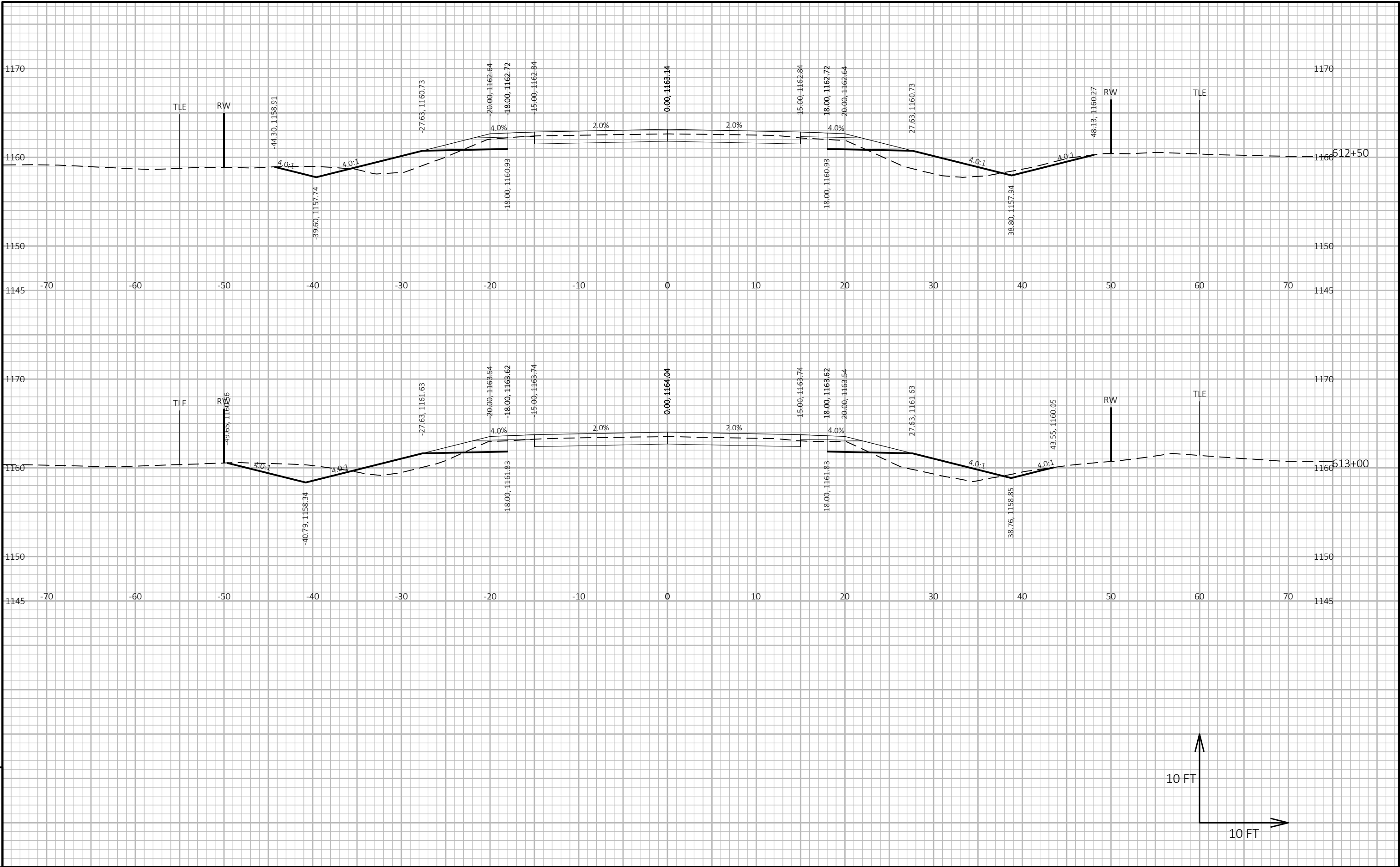


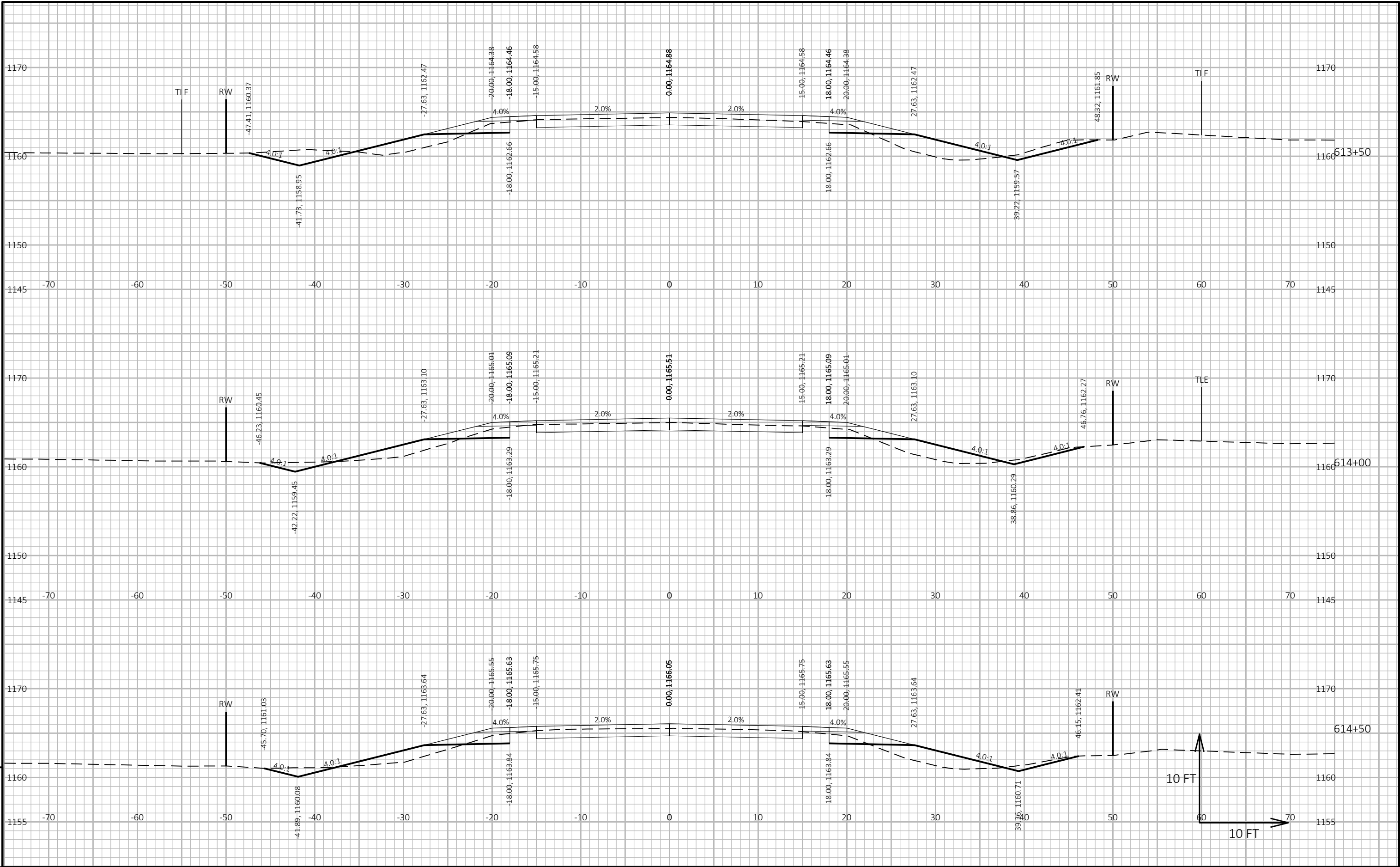
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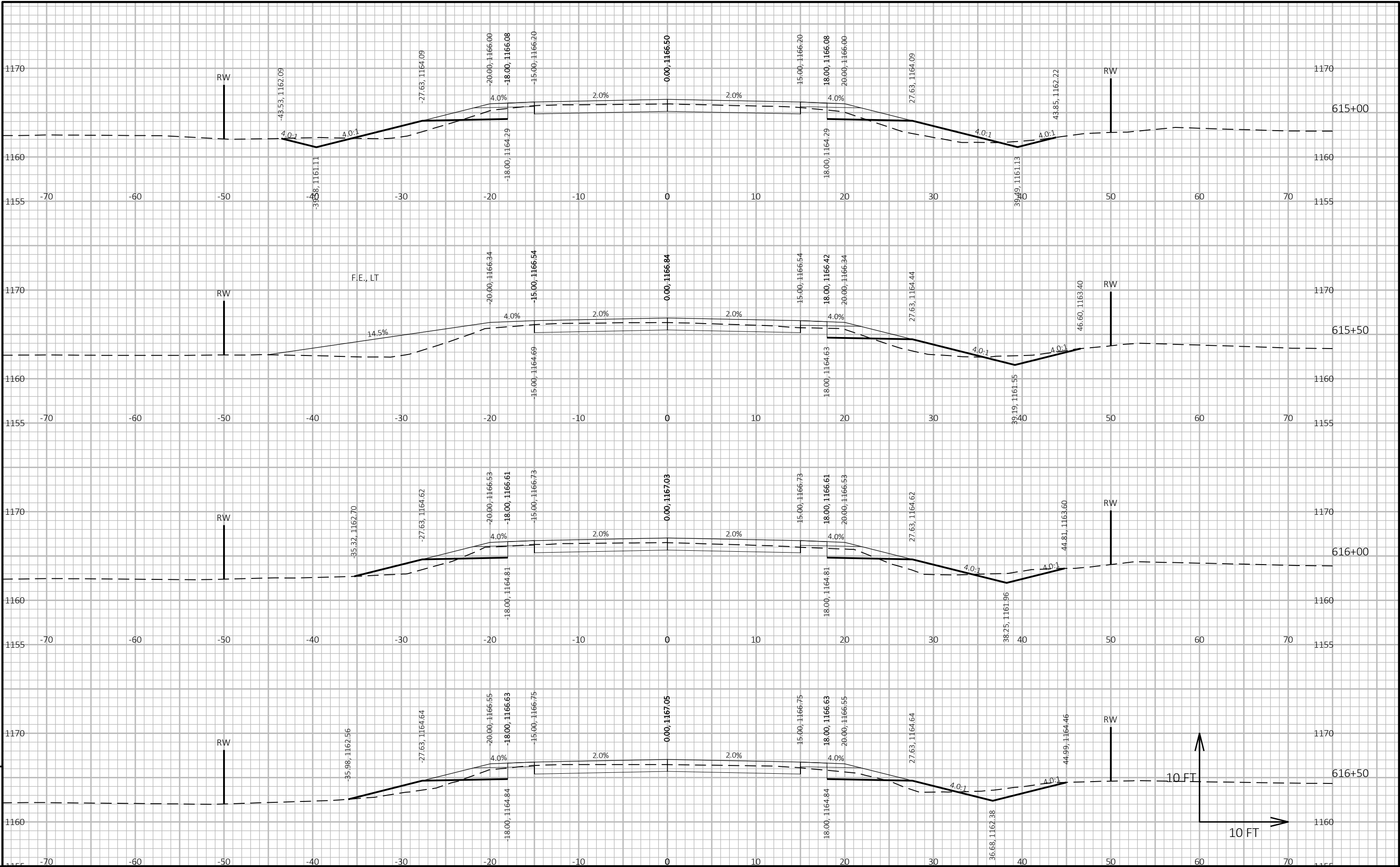
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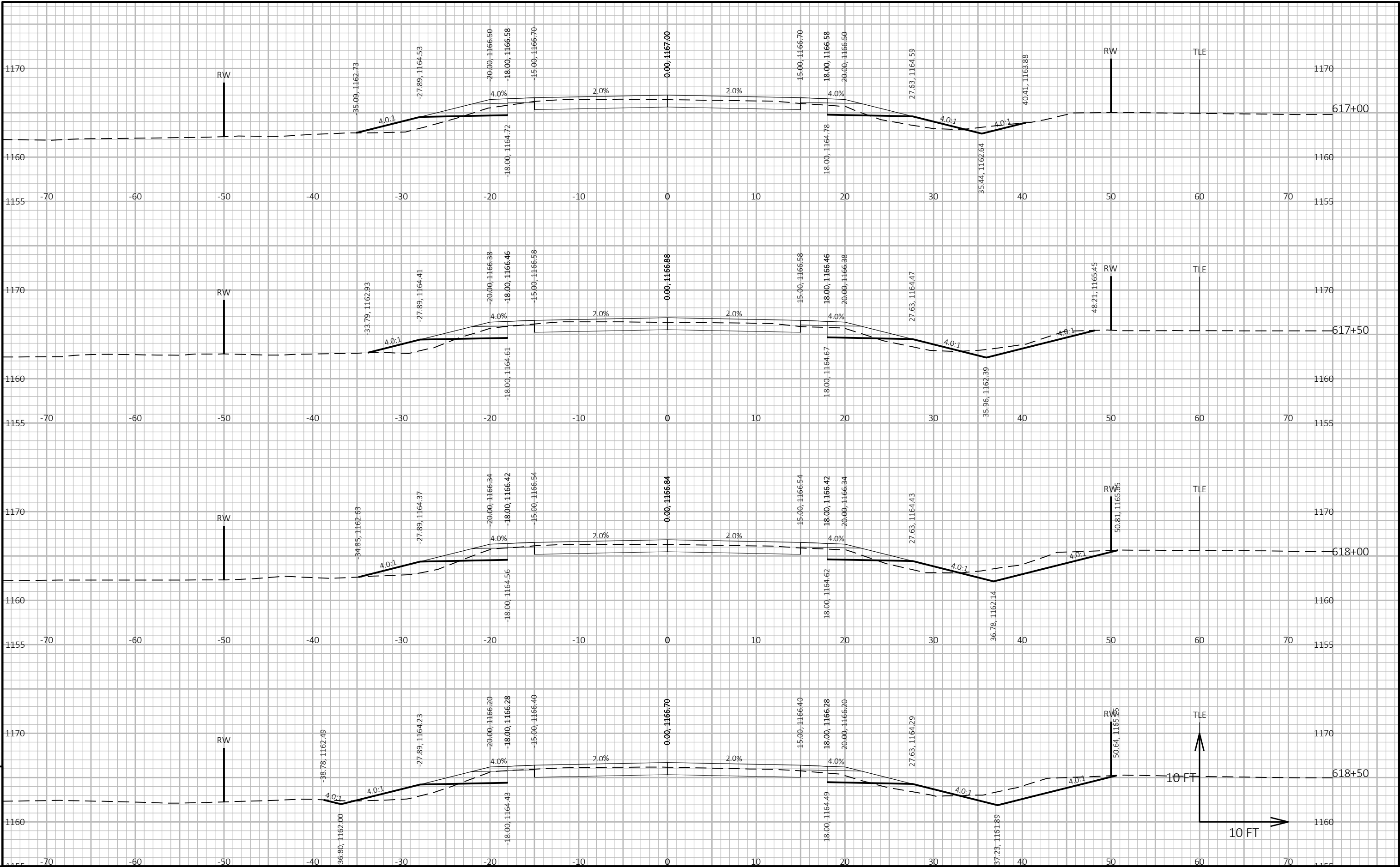


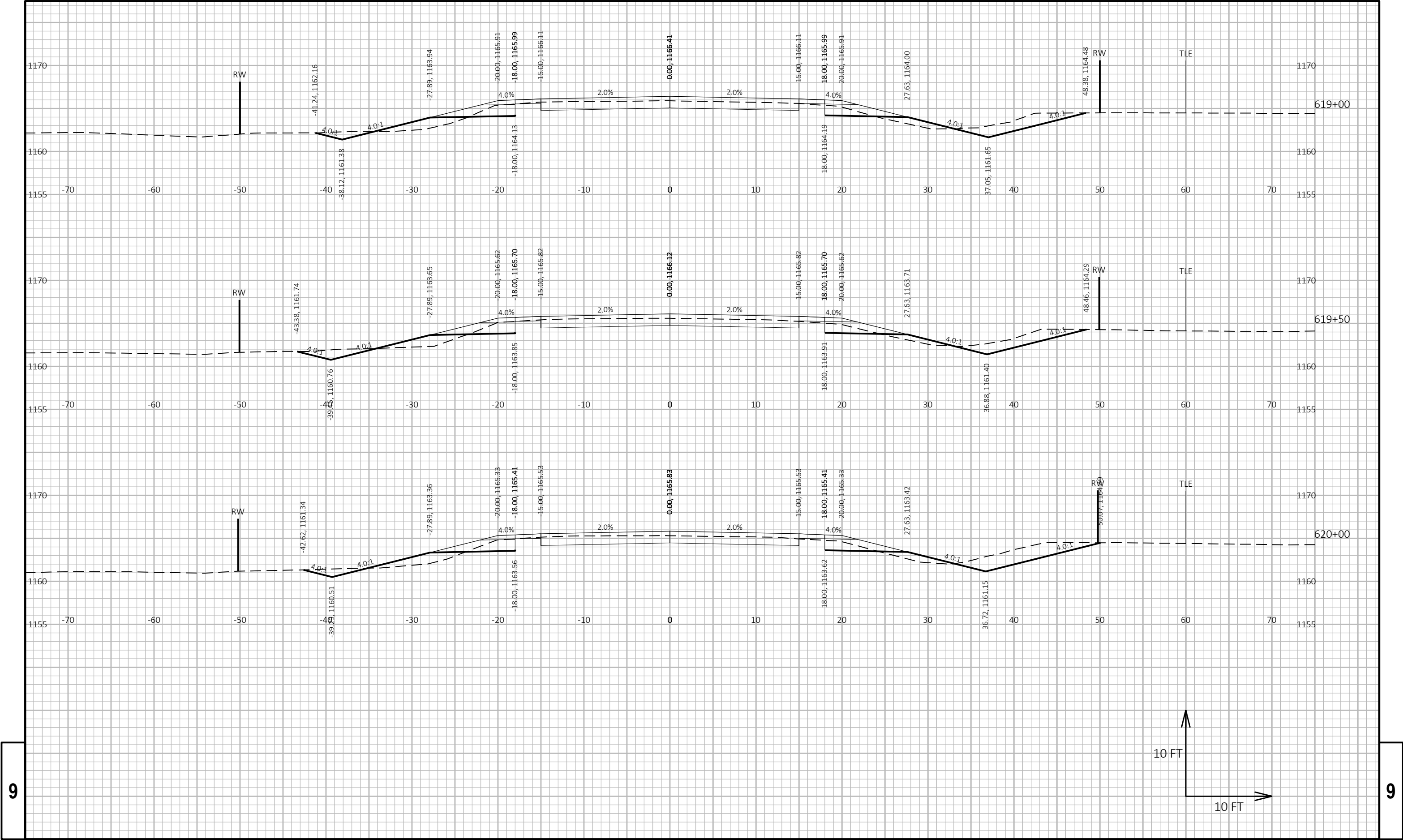


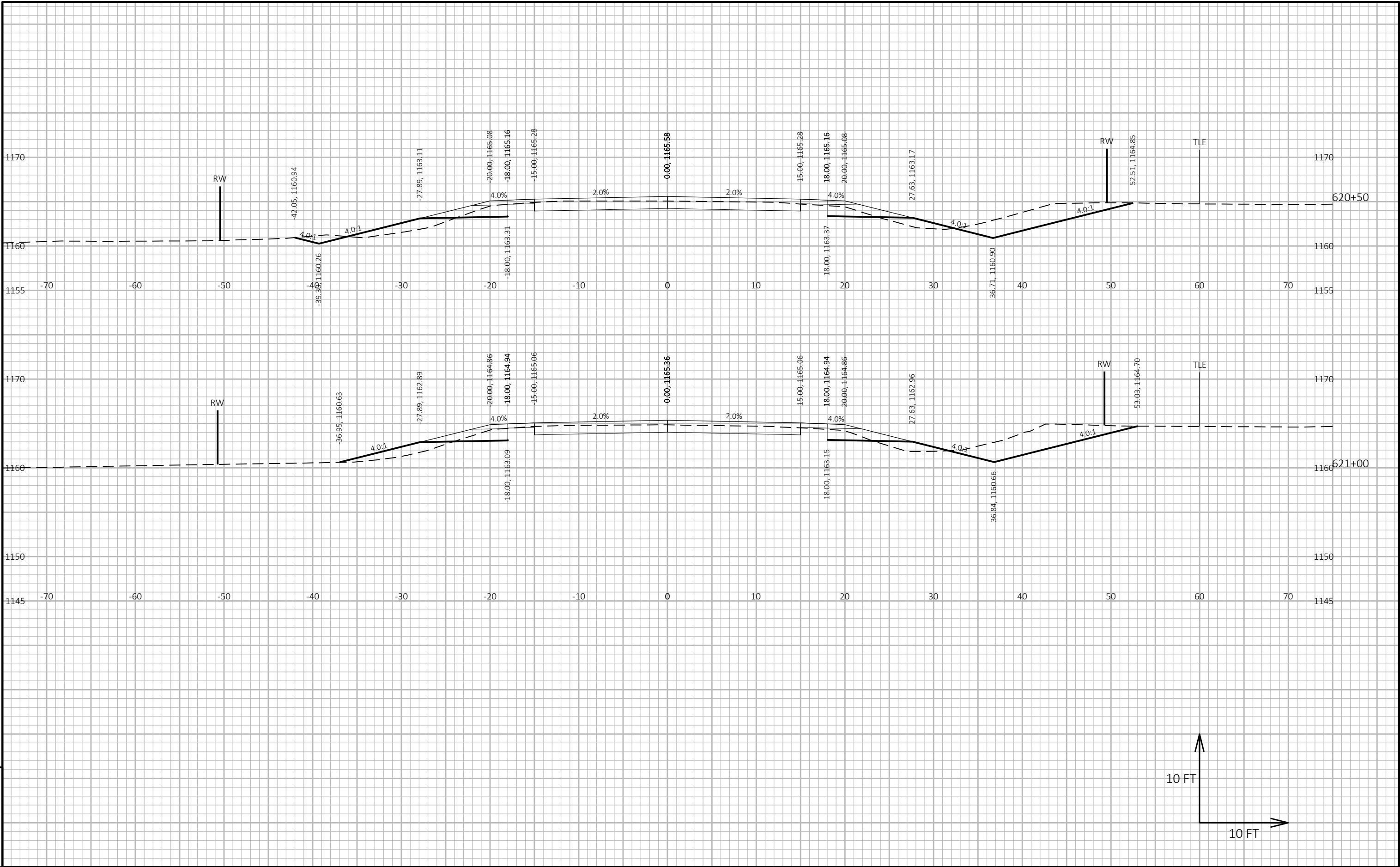


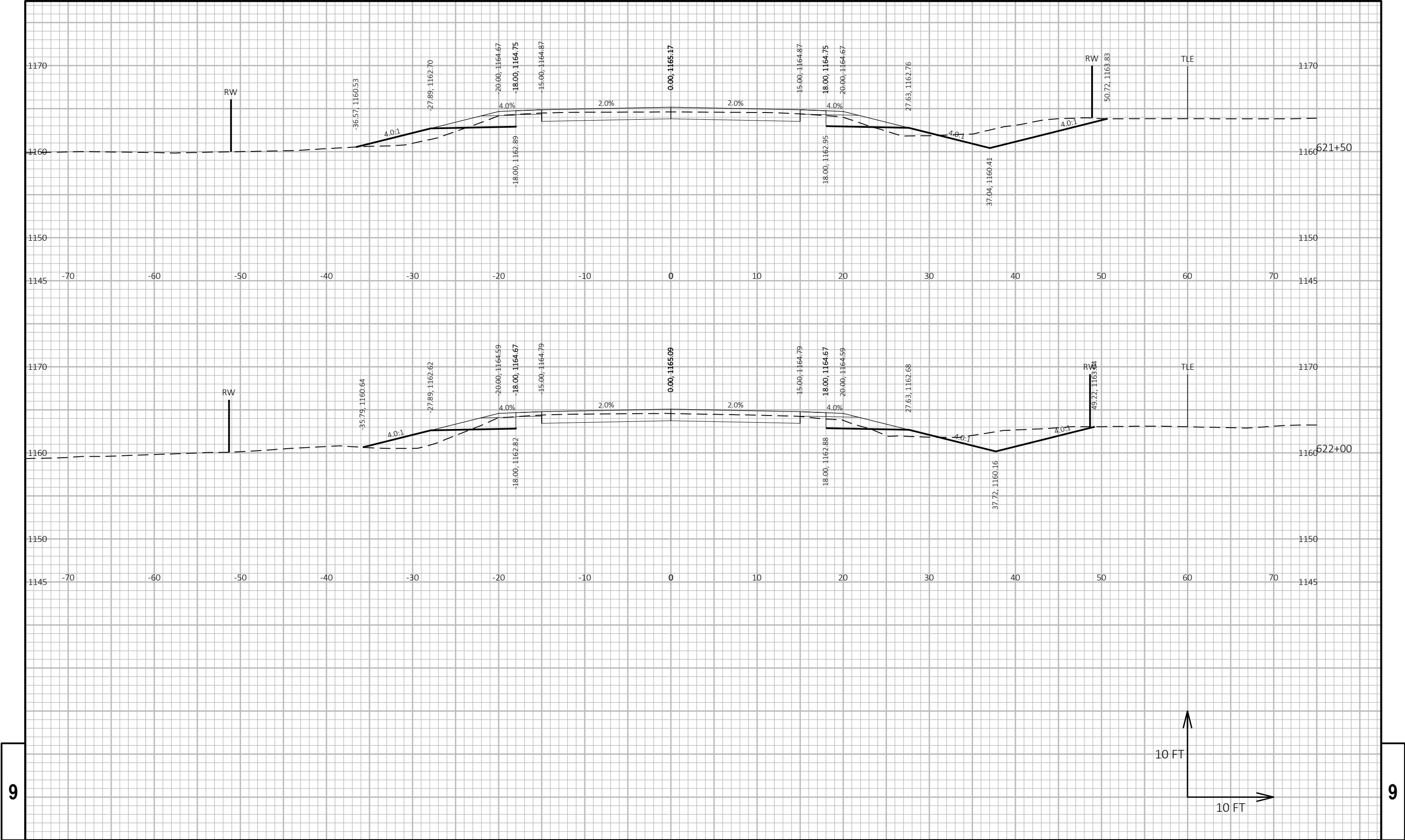


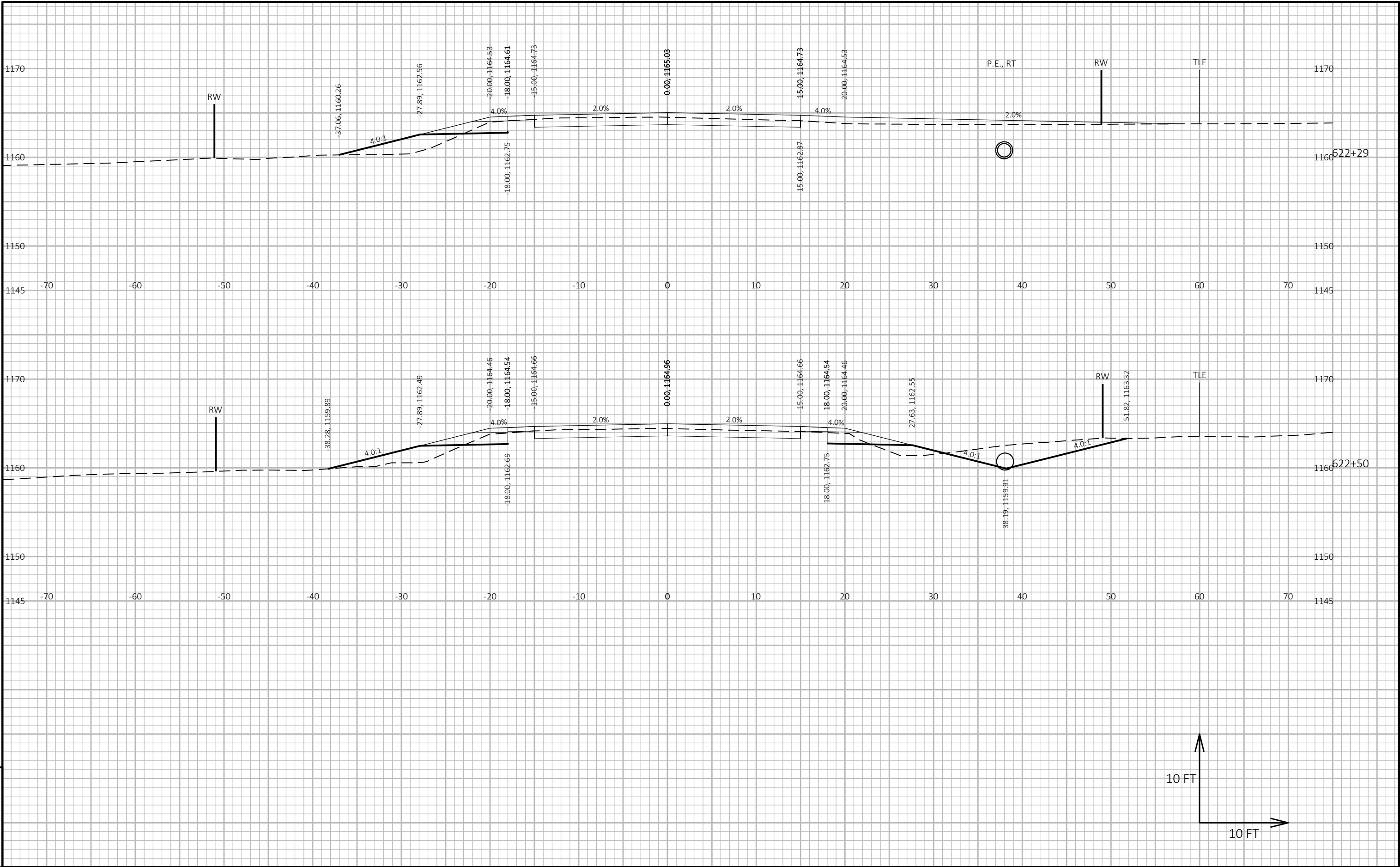


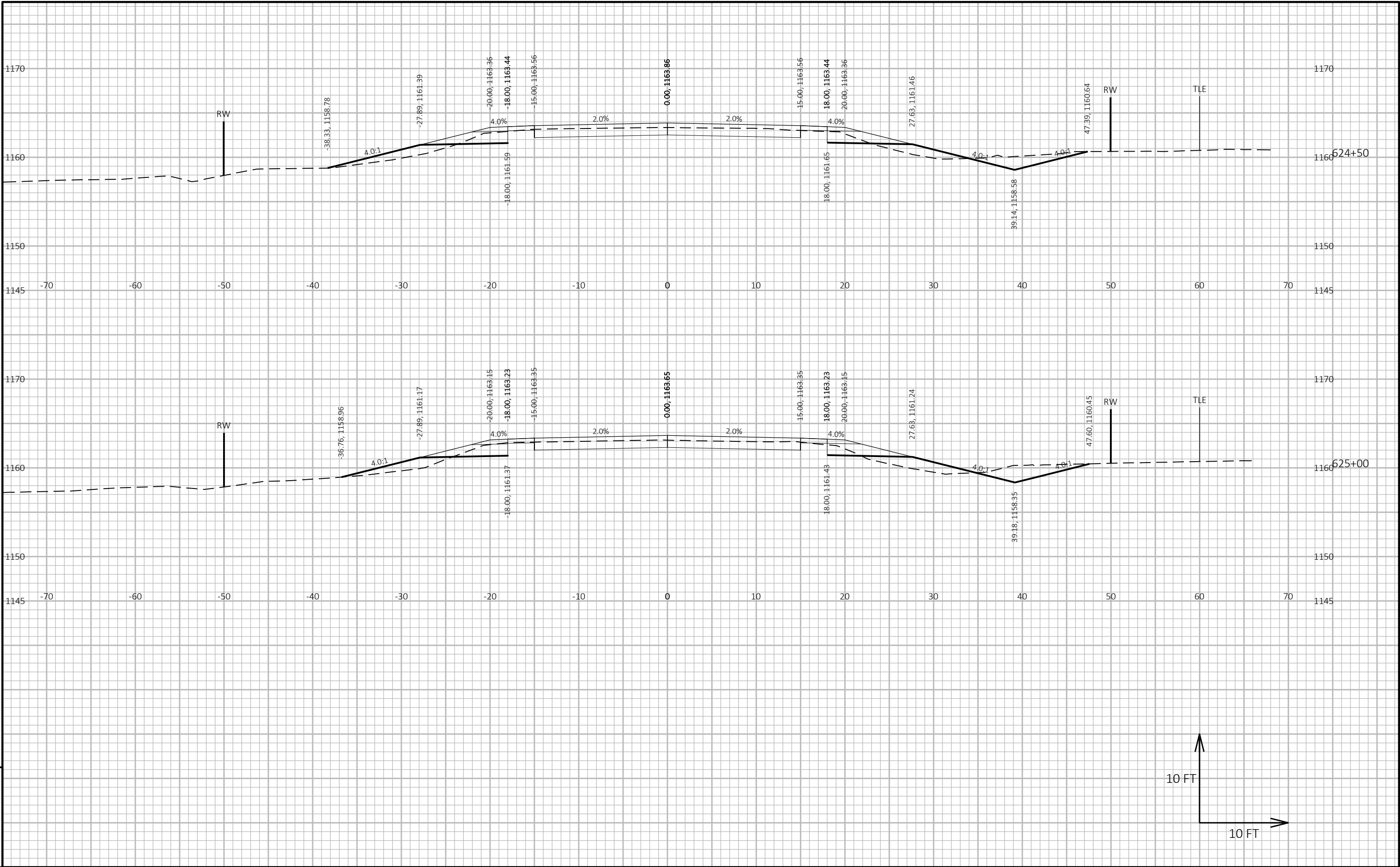






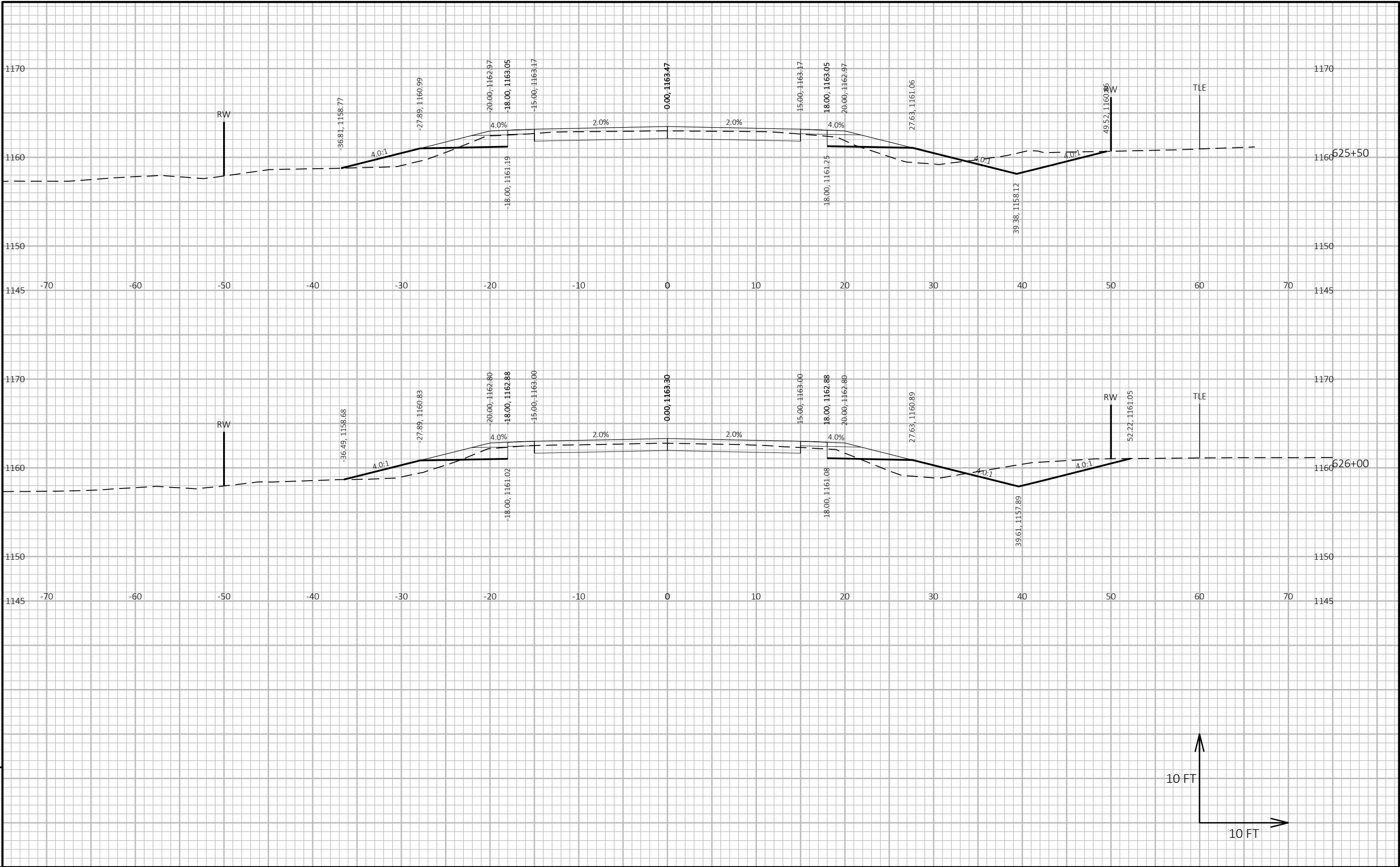


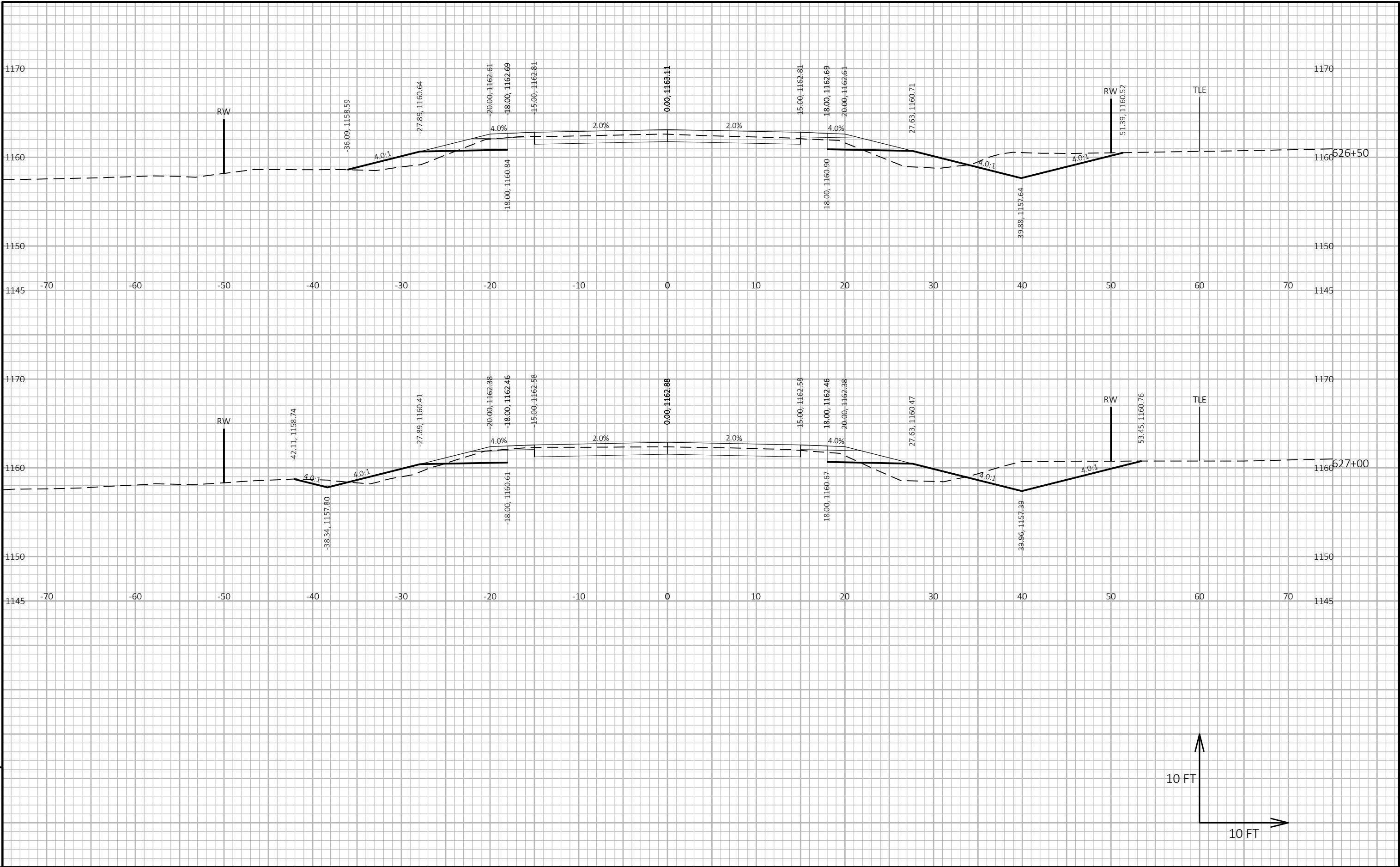




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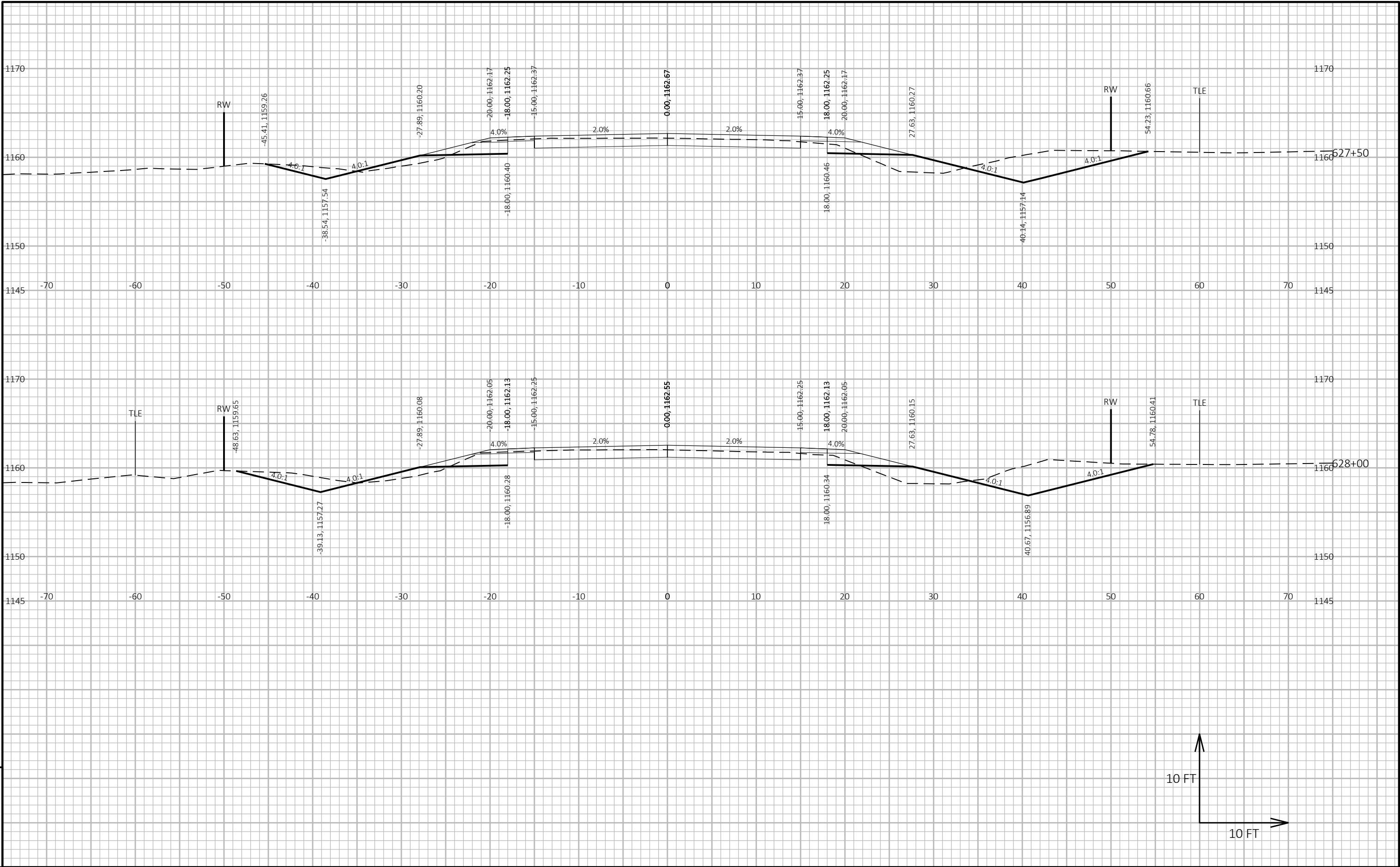




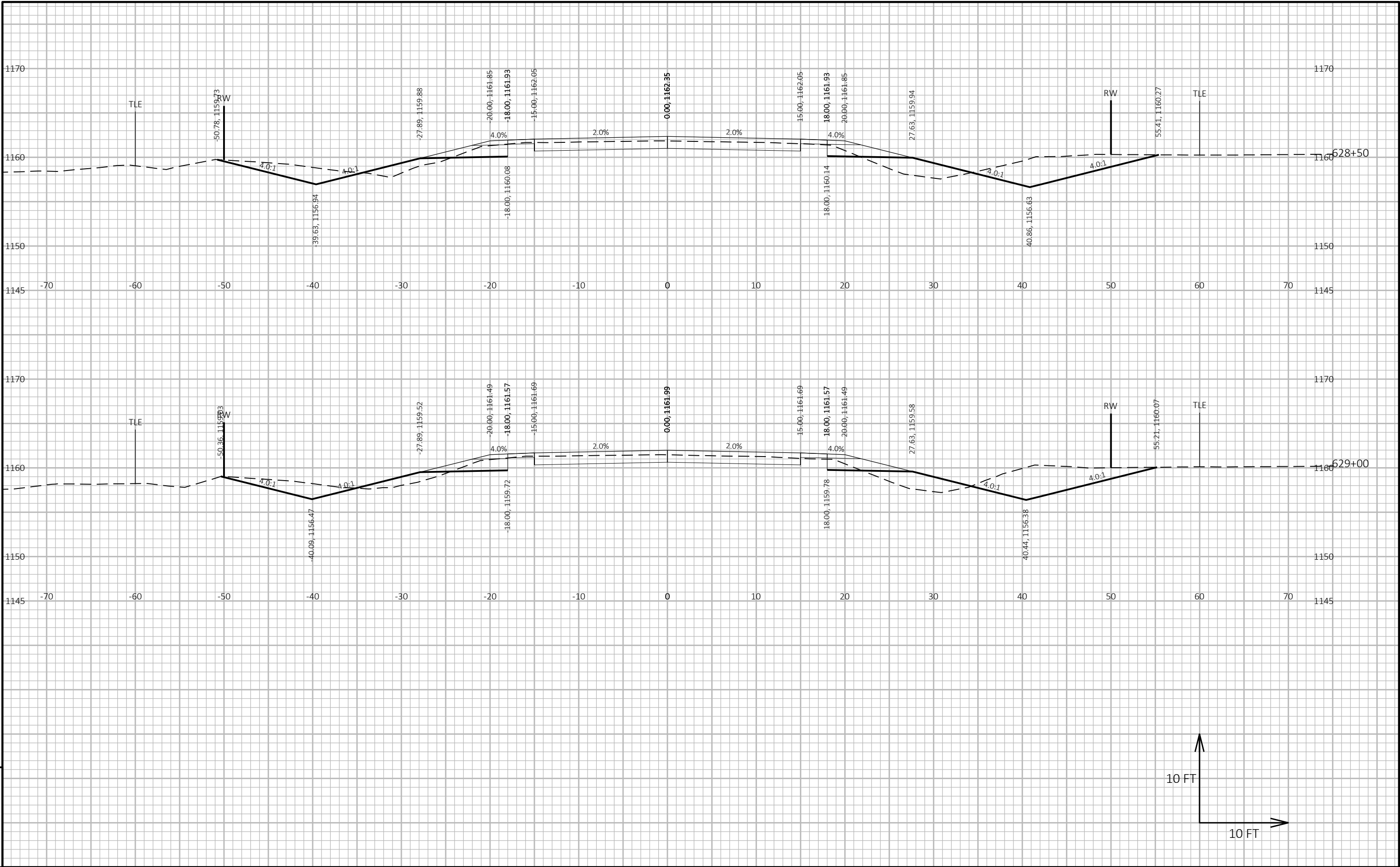
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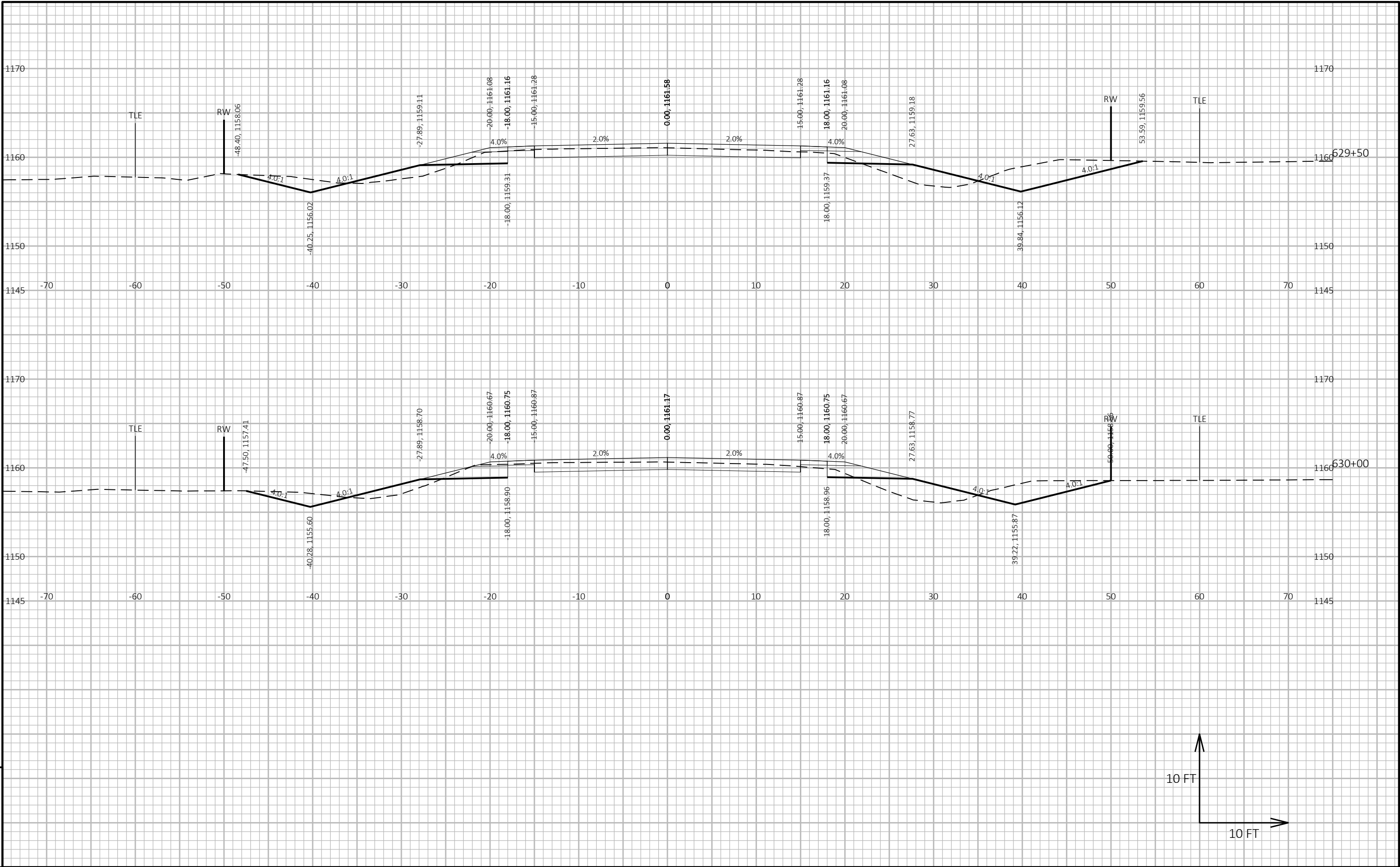
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 436	E
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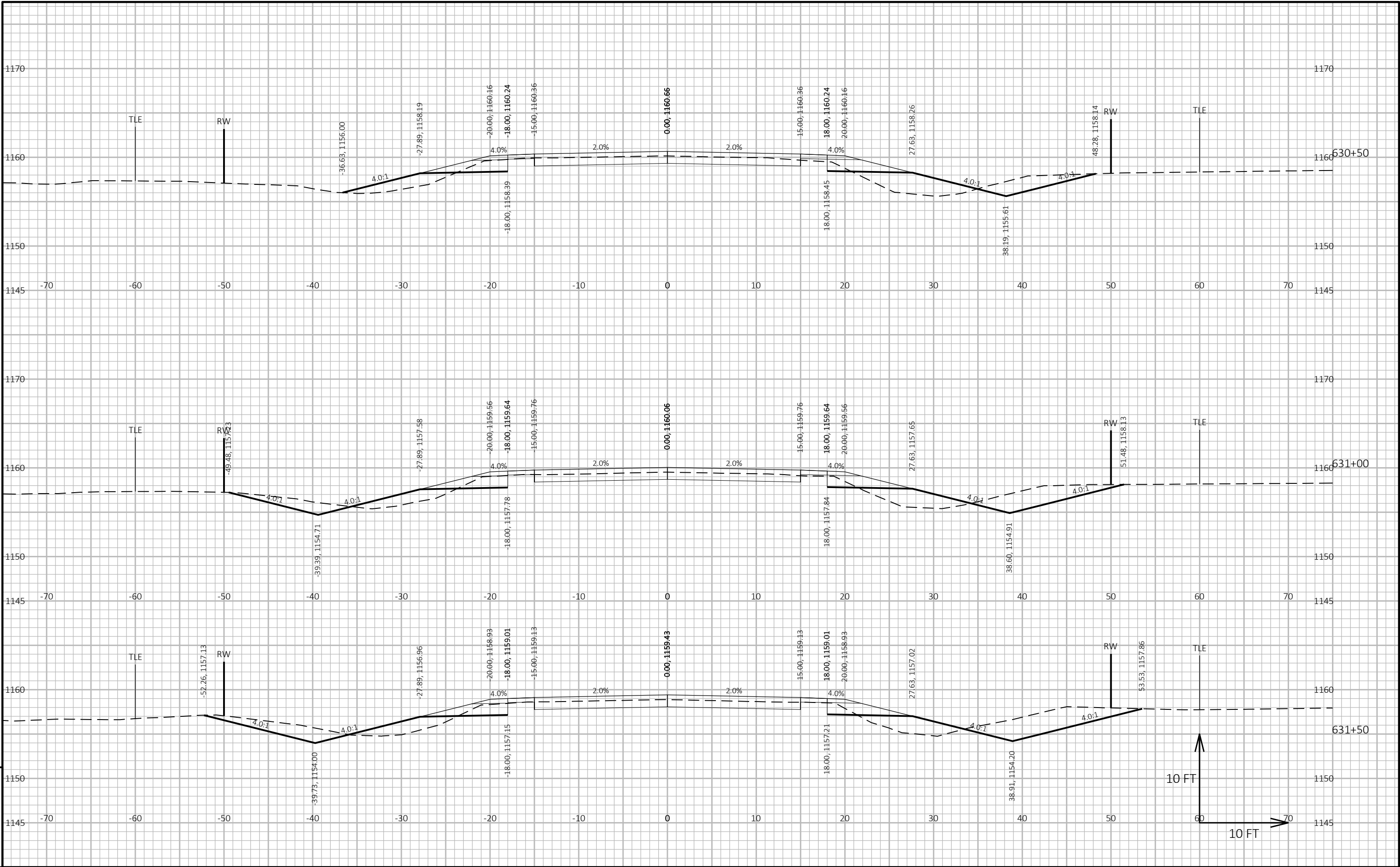


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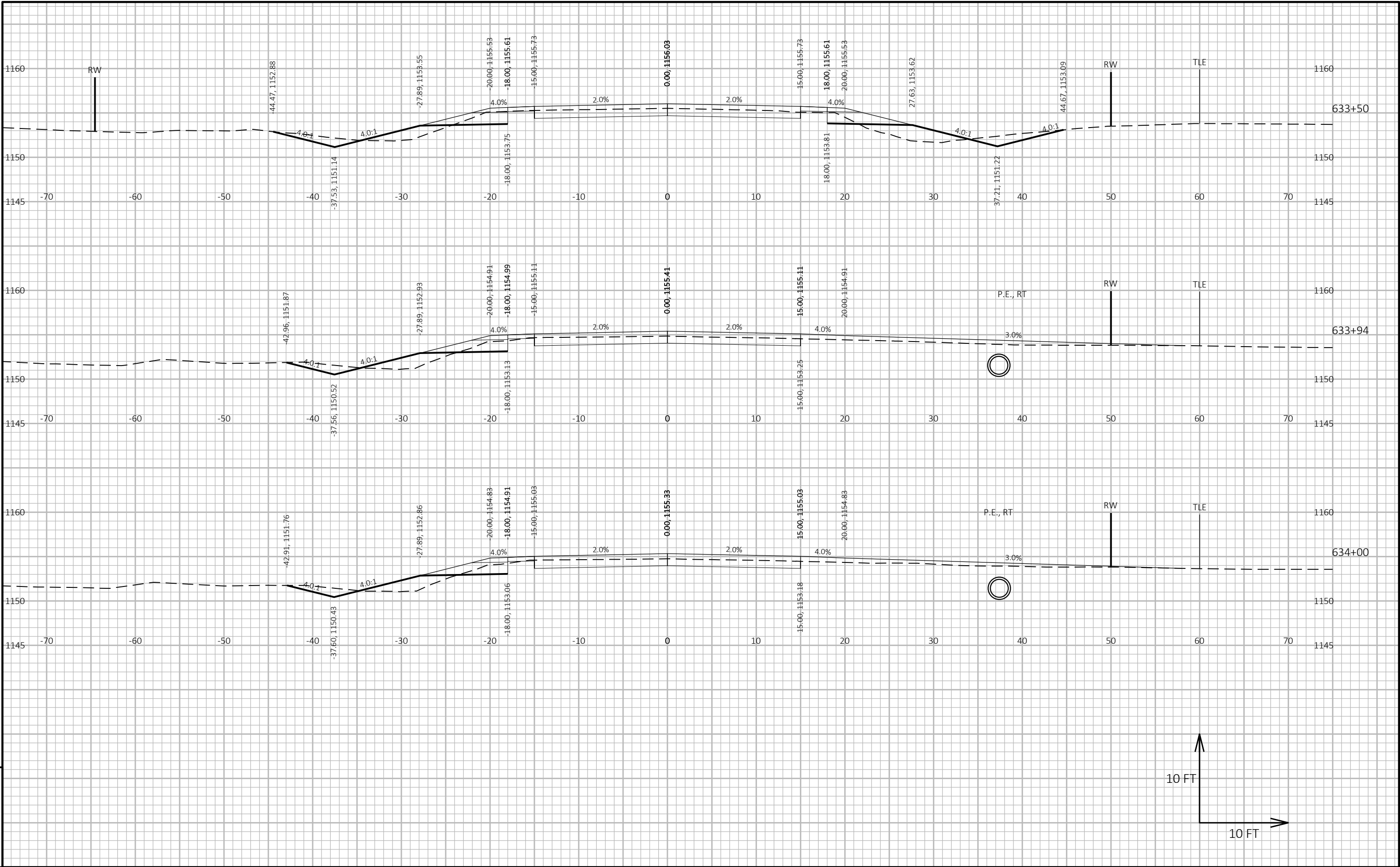


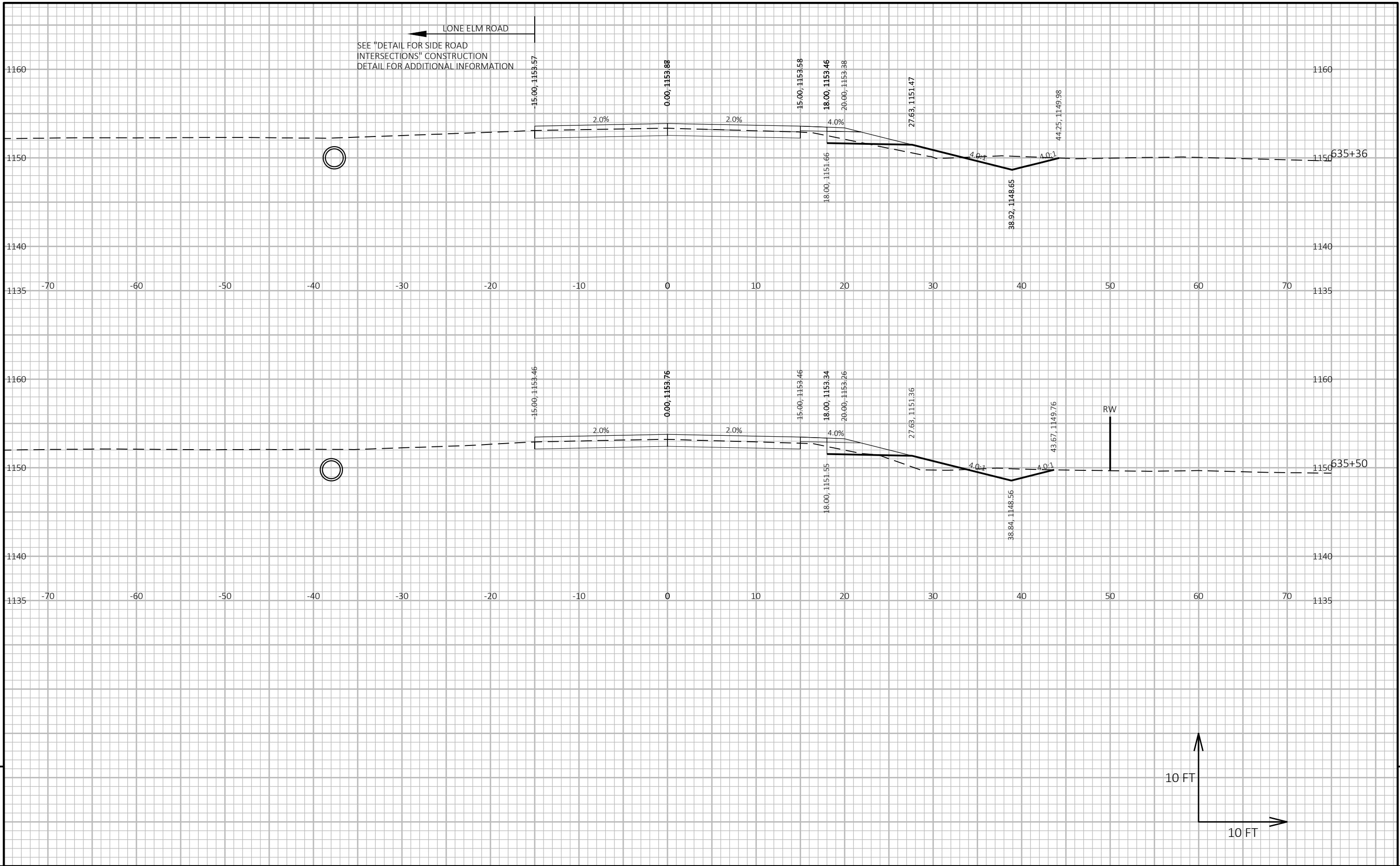
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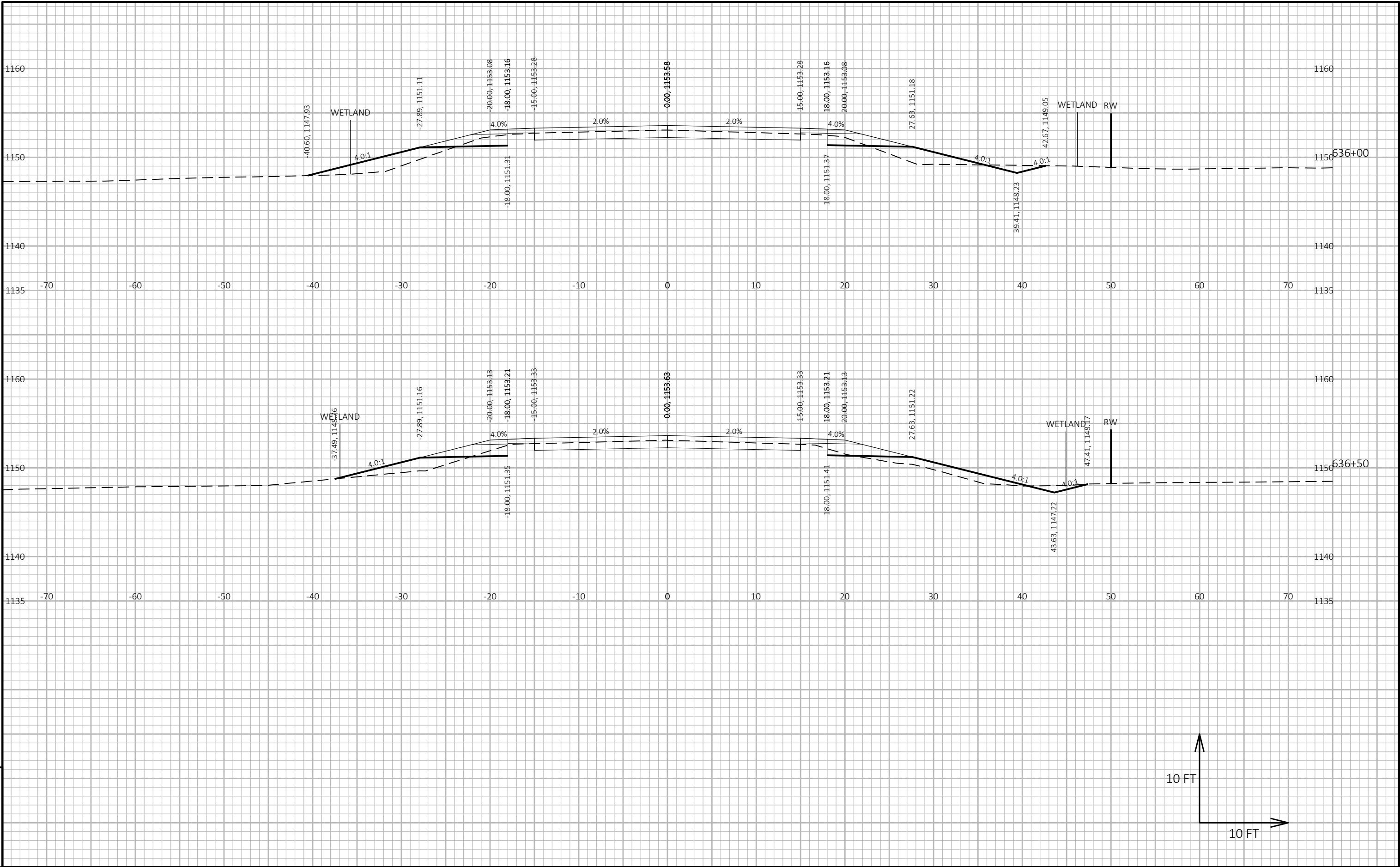




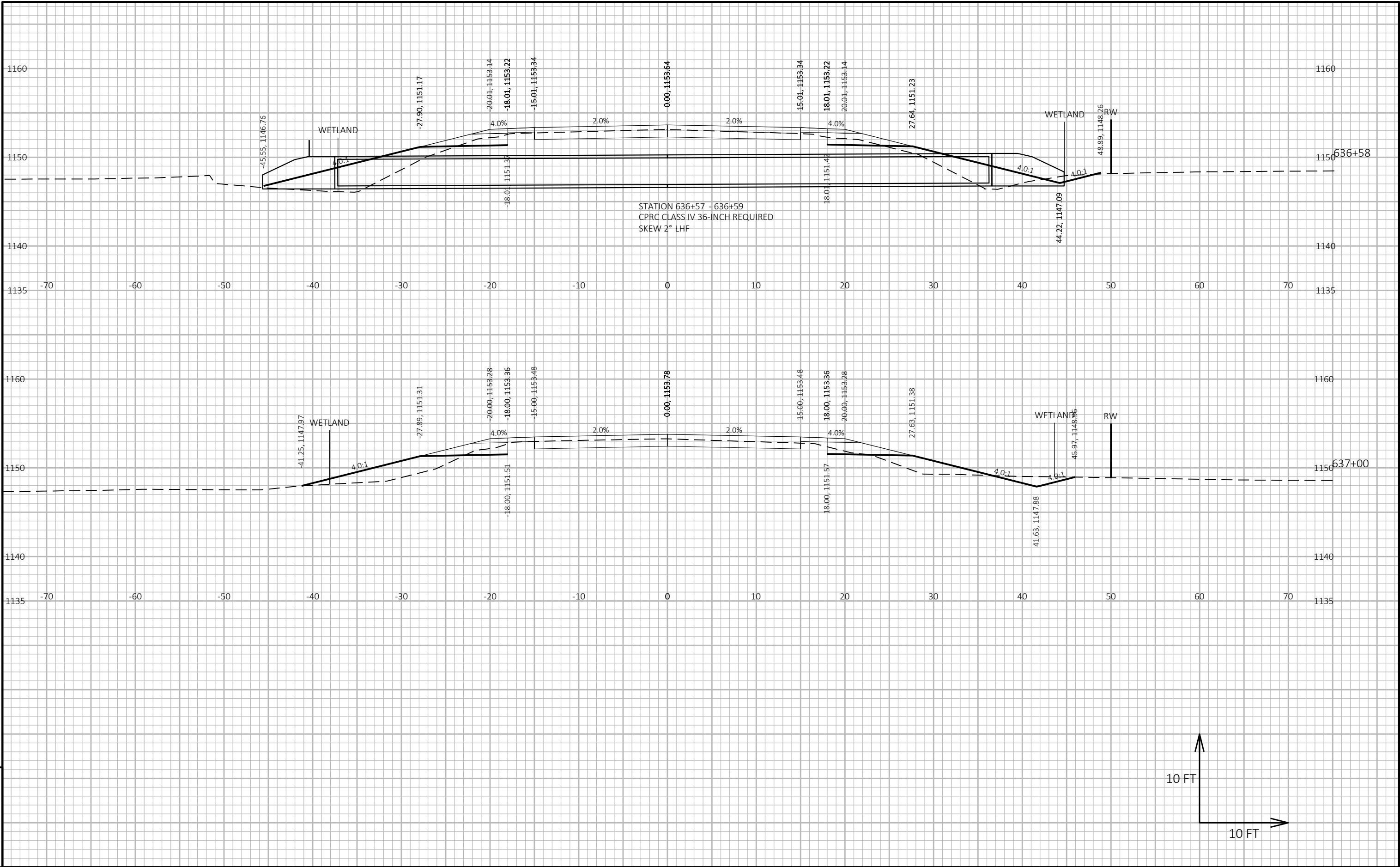
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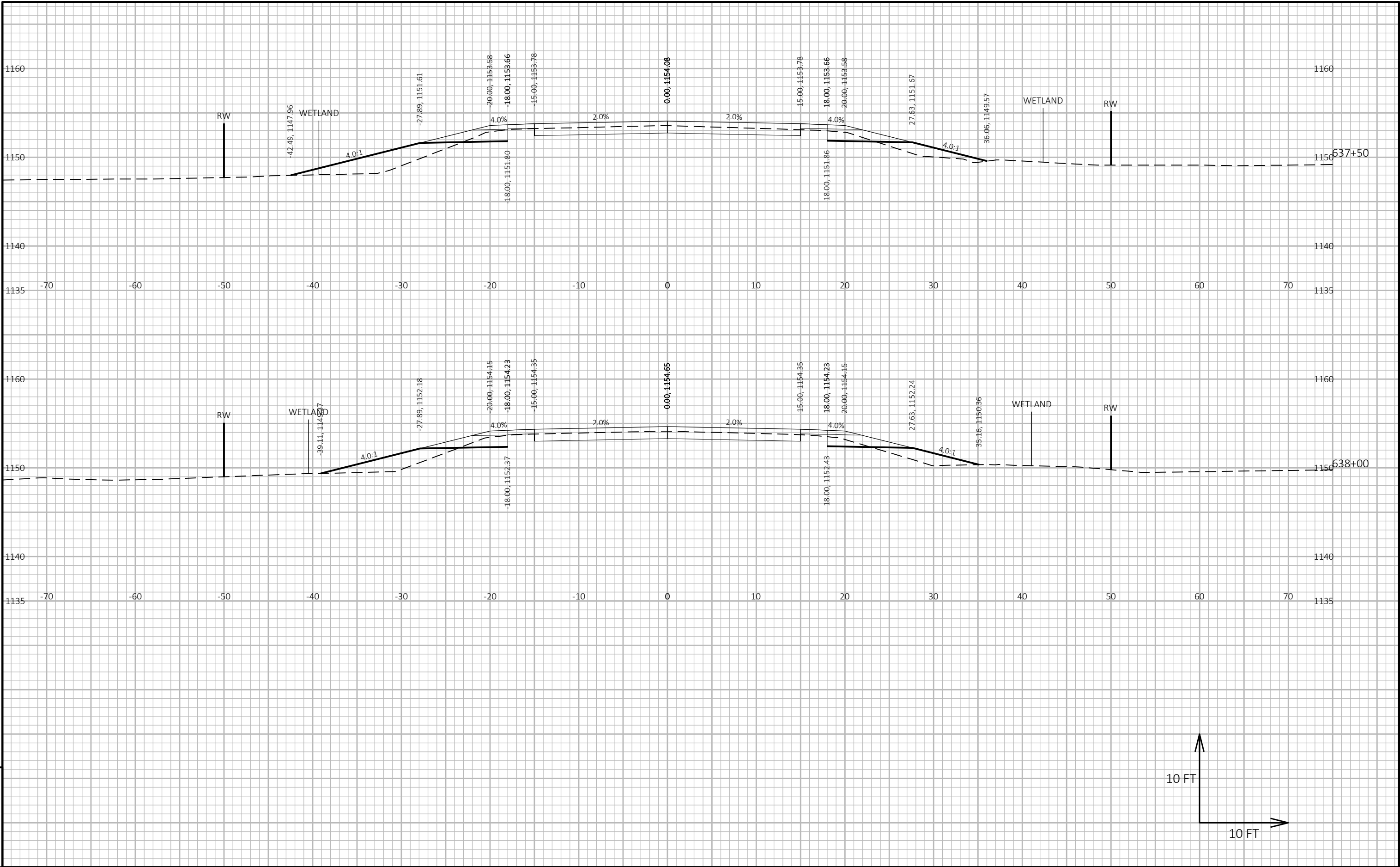


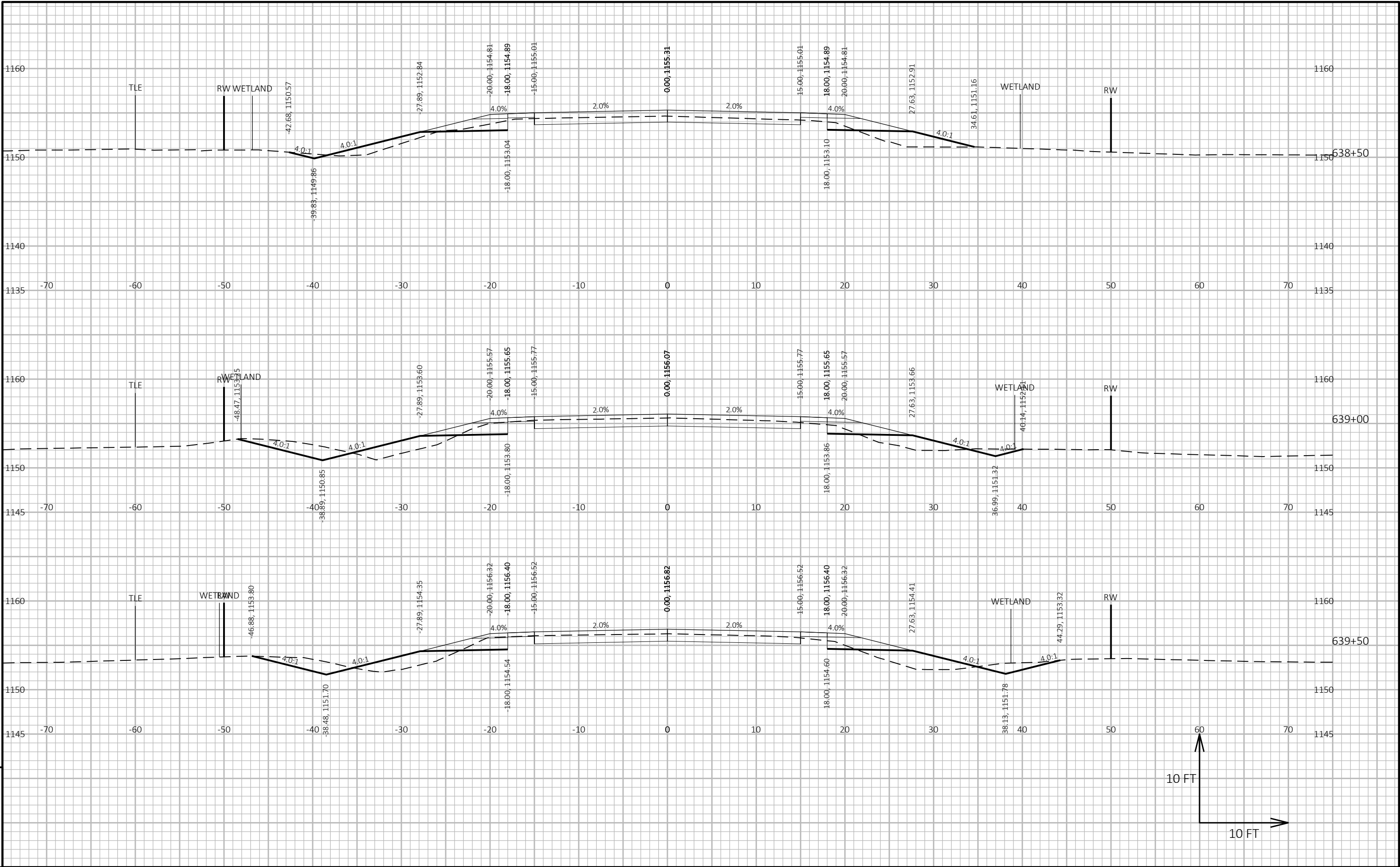
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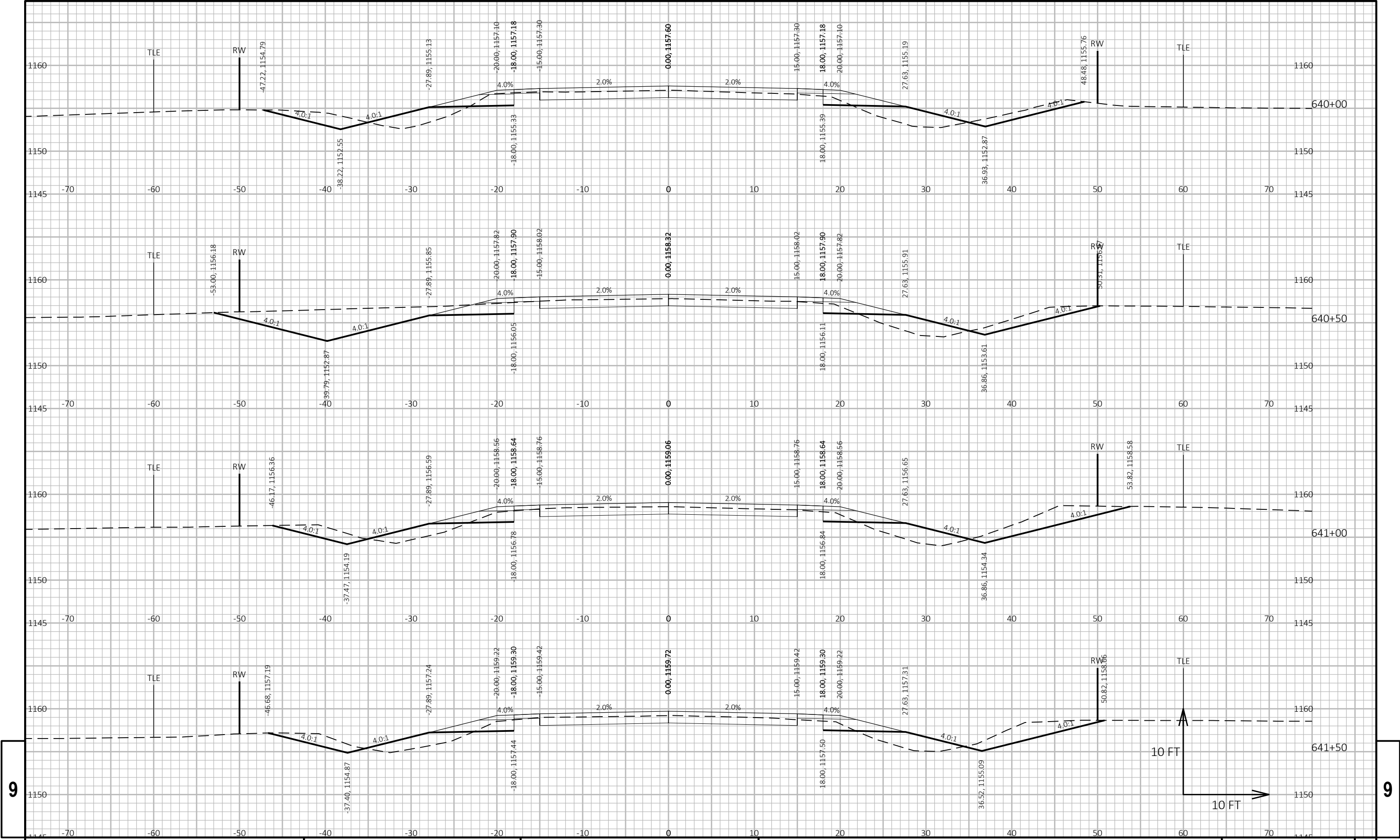


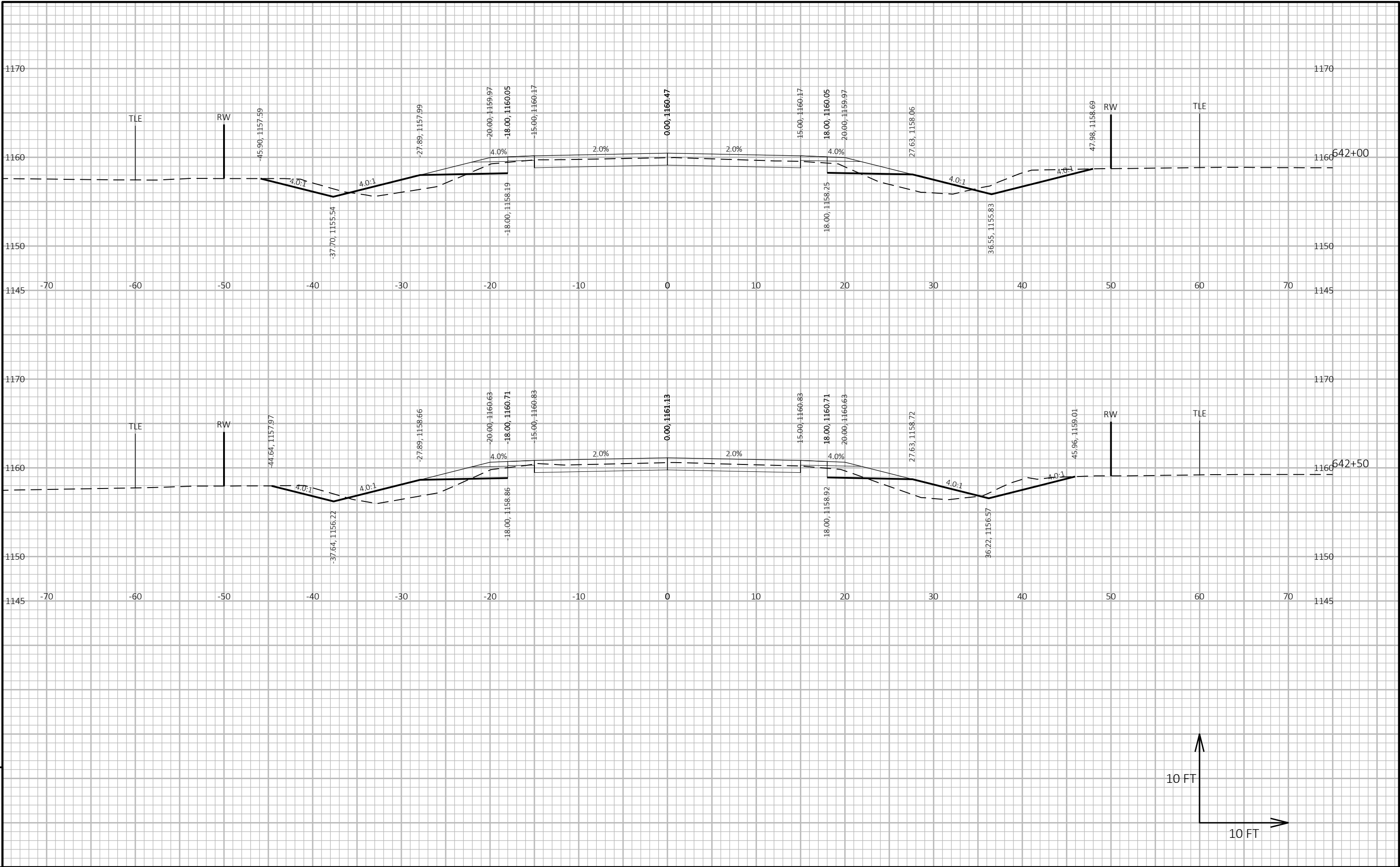
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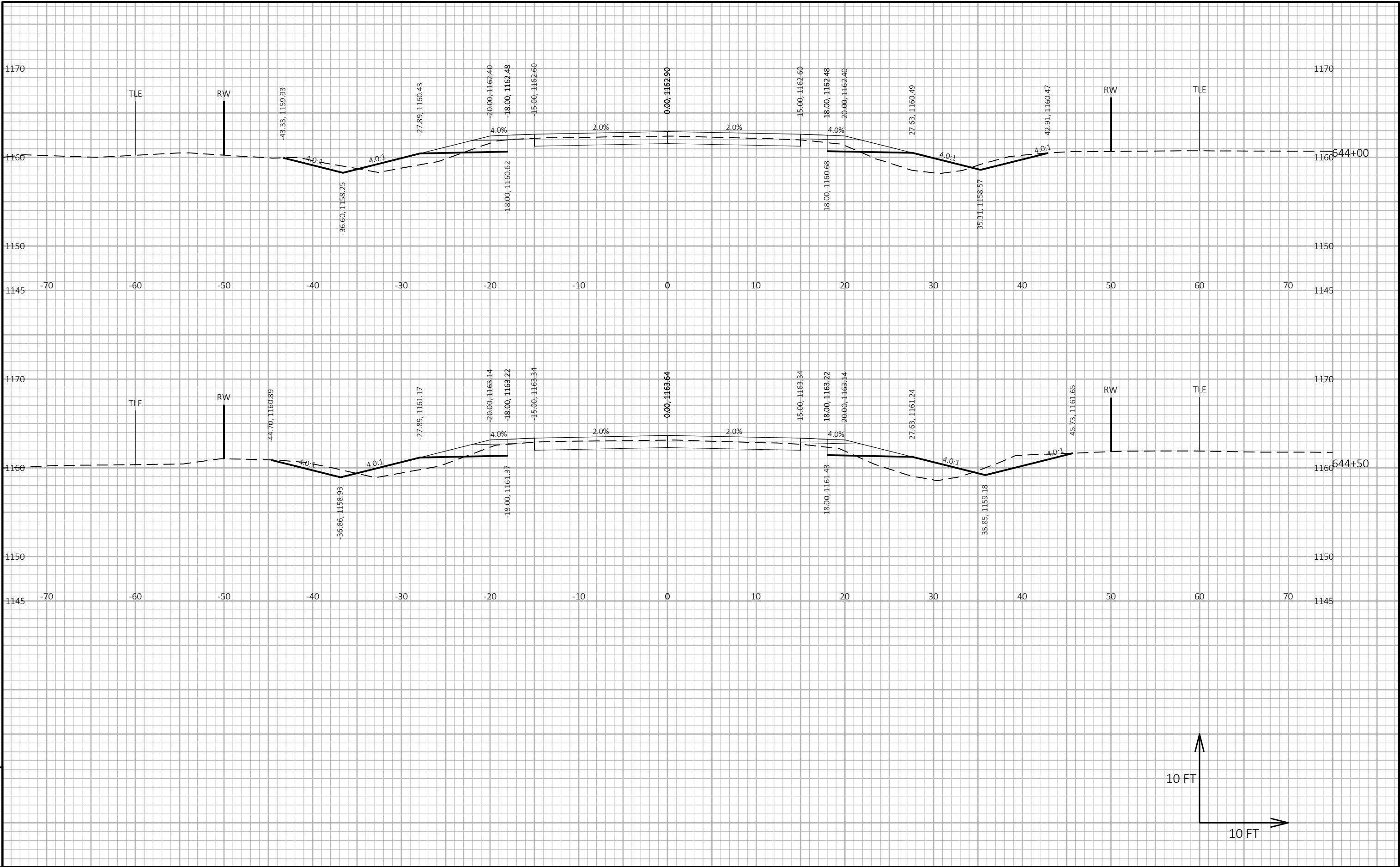
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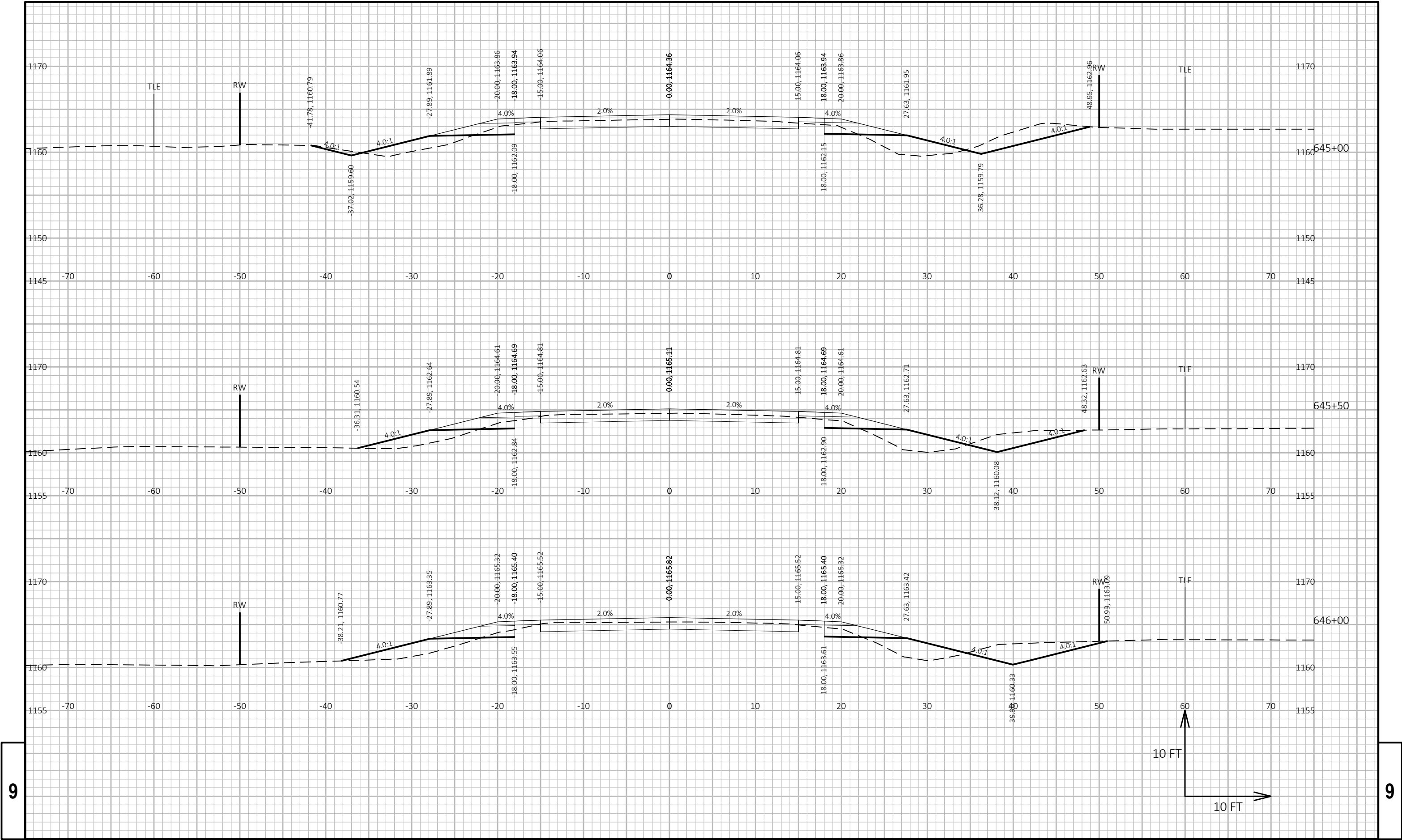












PROJECT NO: 6340-00-74

HWY: STH 13

COUNTY: WOOD/PORTAGE

CROSS SECTIONS: STH 13

SHEET 453

E

FILE NAME : S:\MAD\2000--2099\2089\052\DRAWINGS\CAD\CIVIL 3D\SHEETS\090106-XS.DWG
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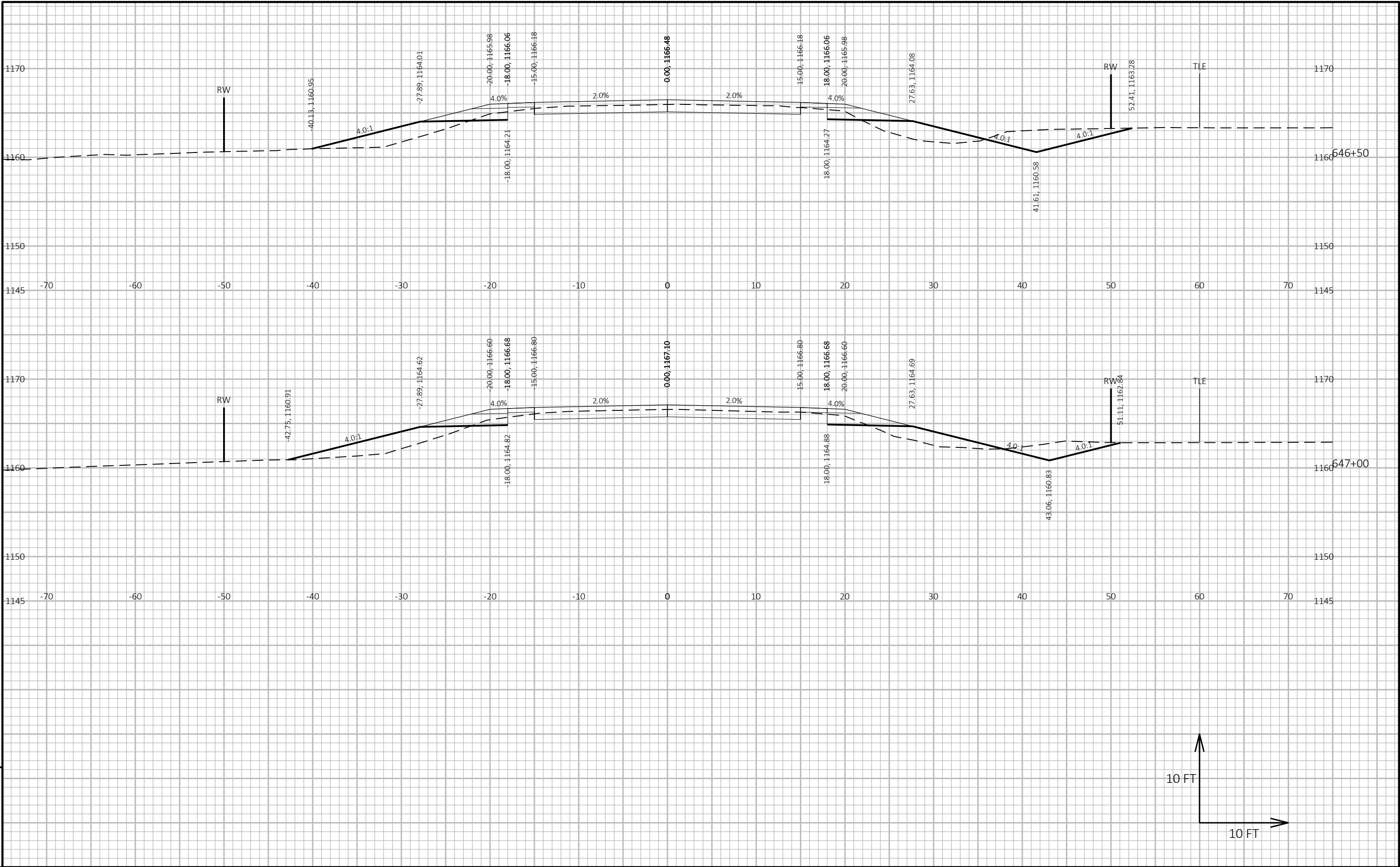
PLOT BY : HABERKORN, DEVEN

PLOT NAME :

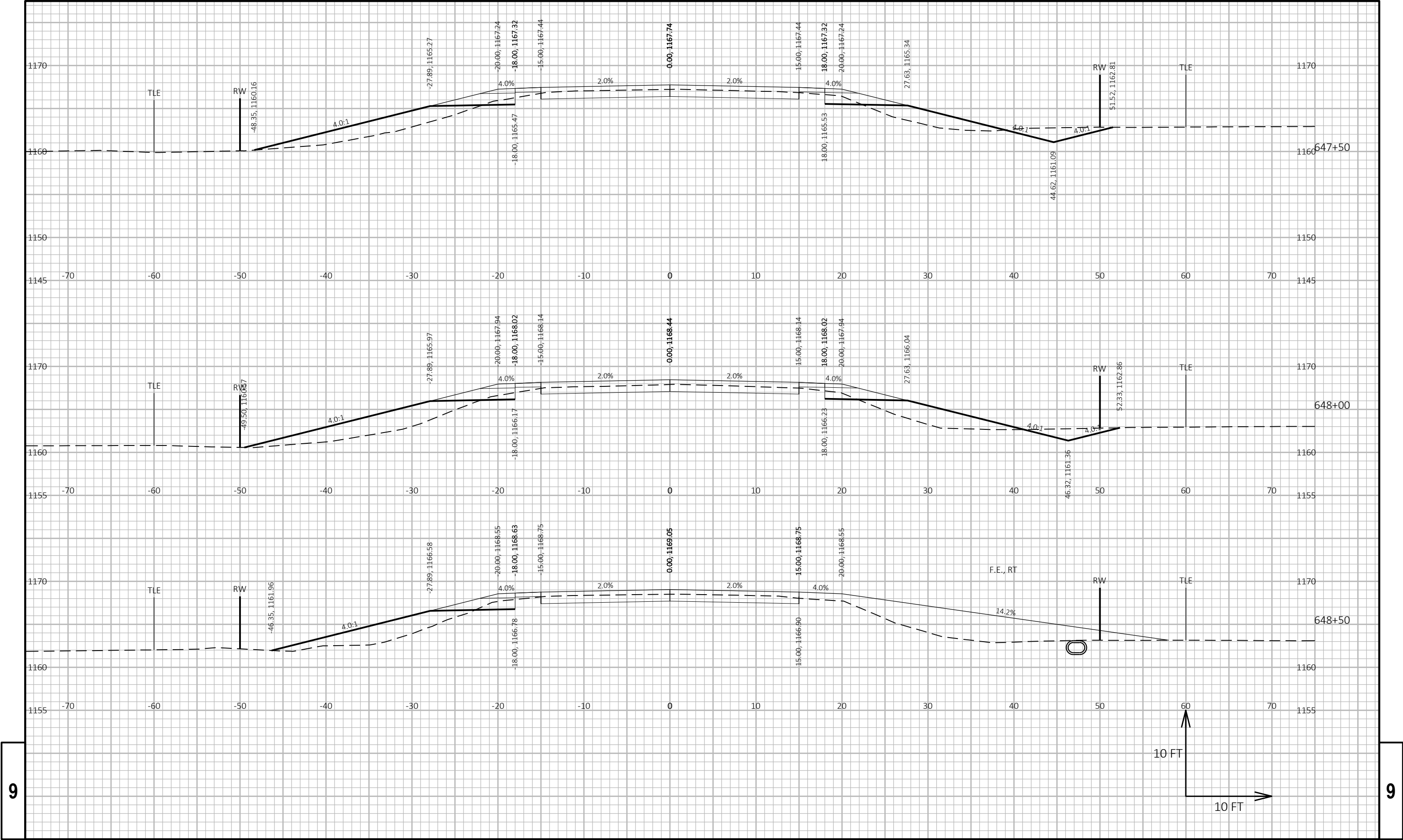
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WISDOT/CADDs SHEET 49

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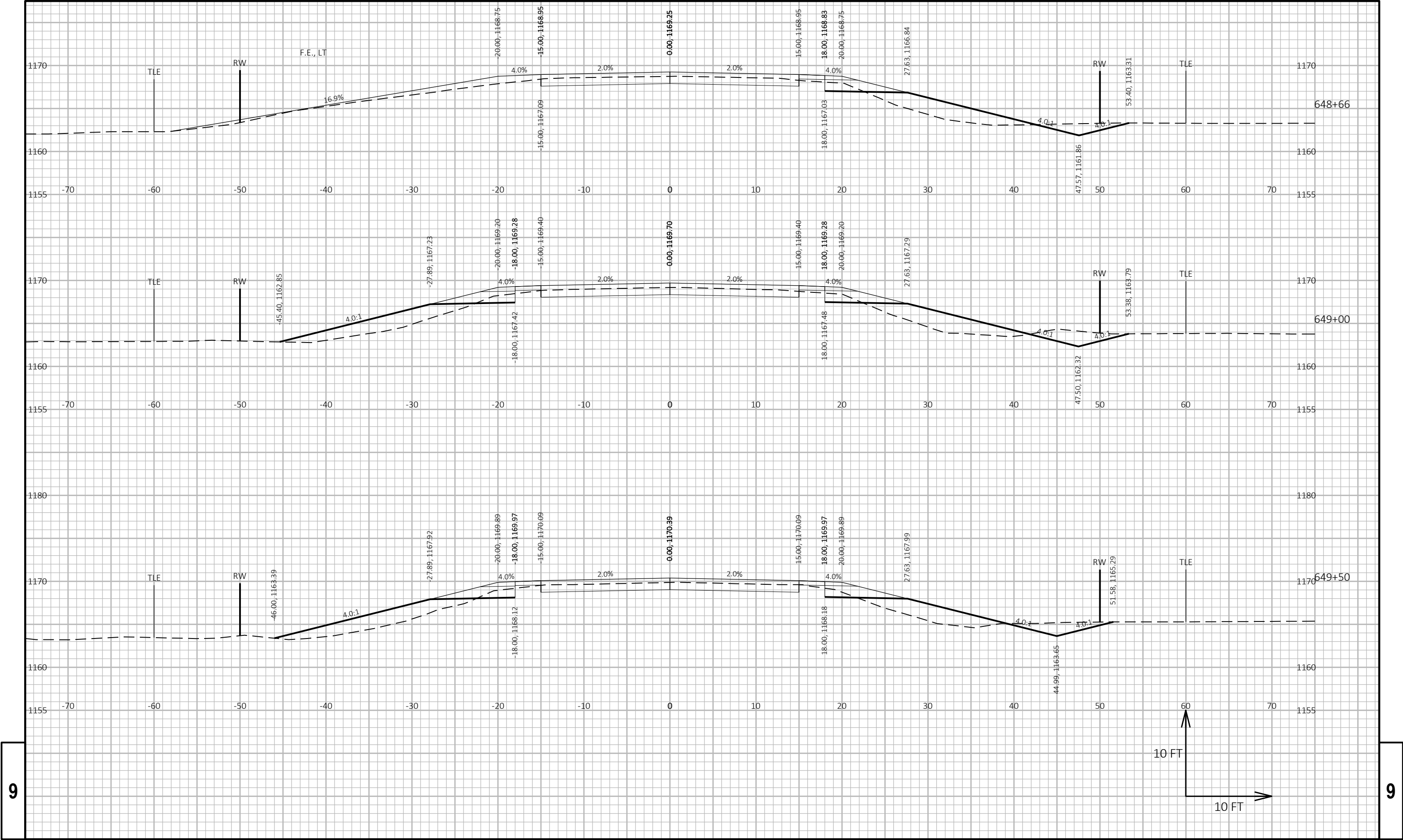


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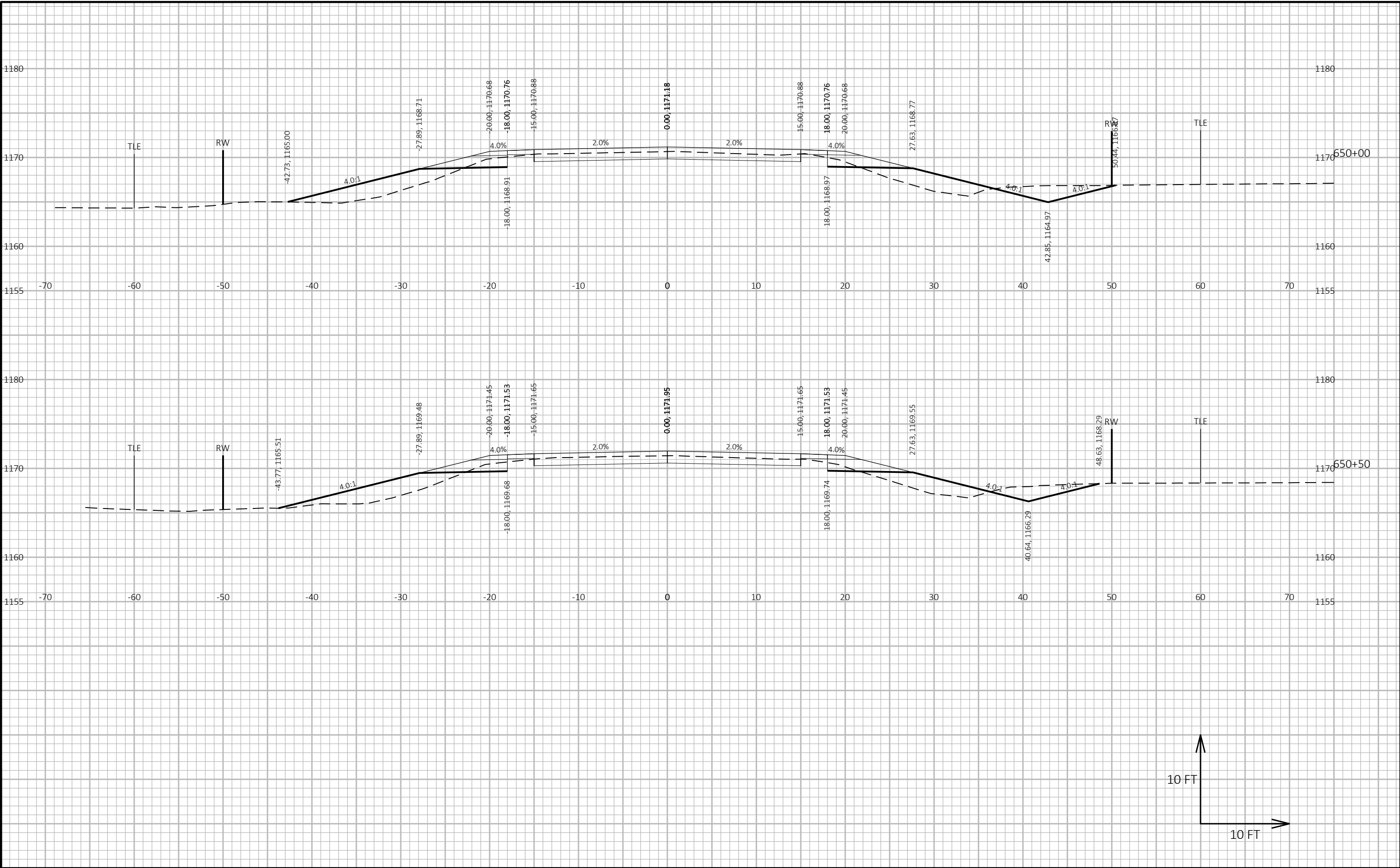
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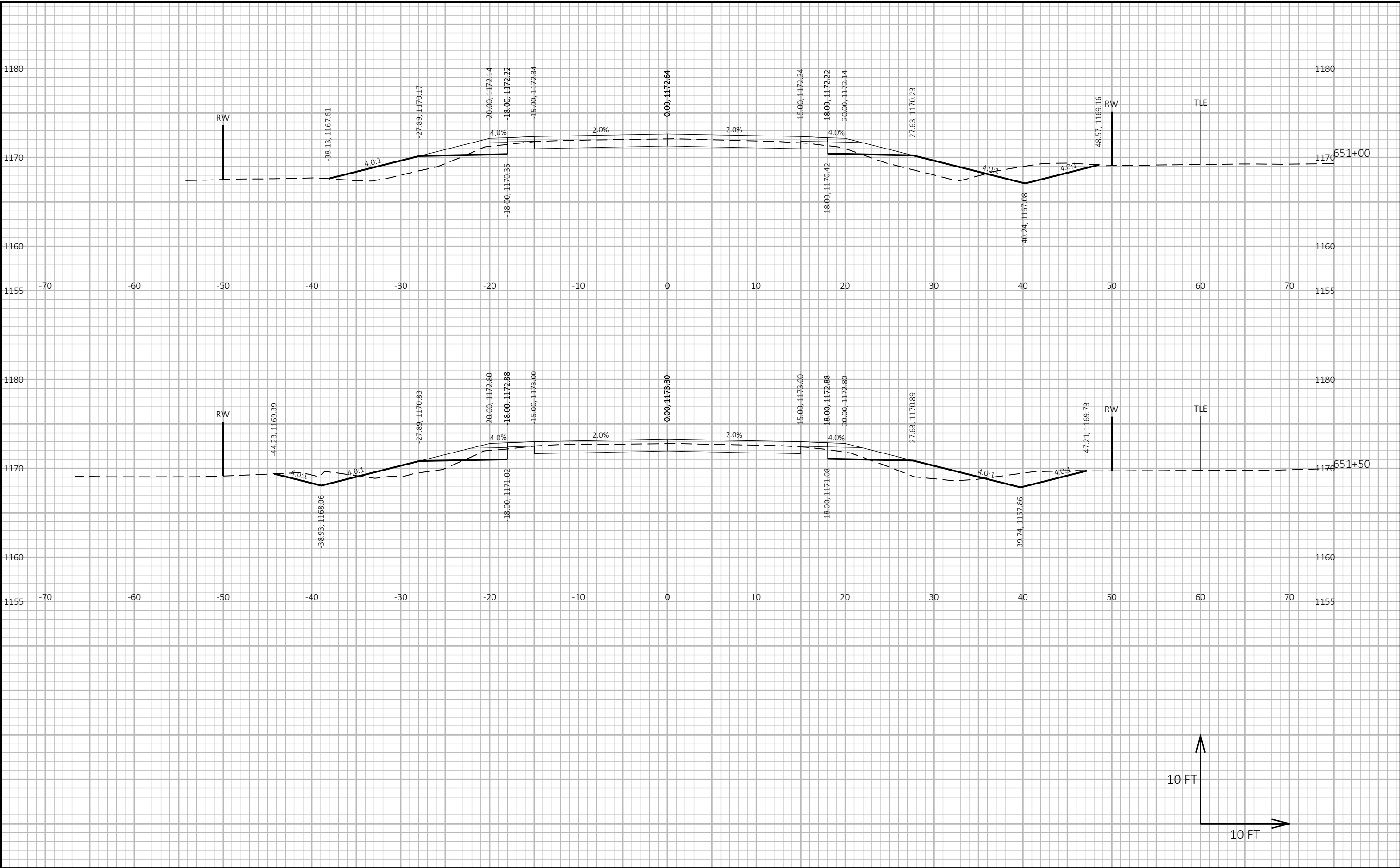
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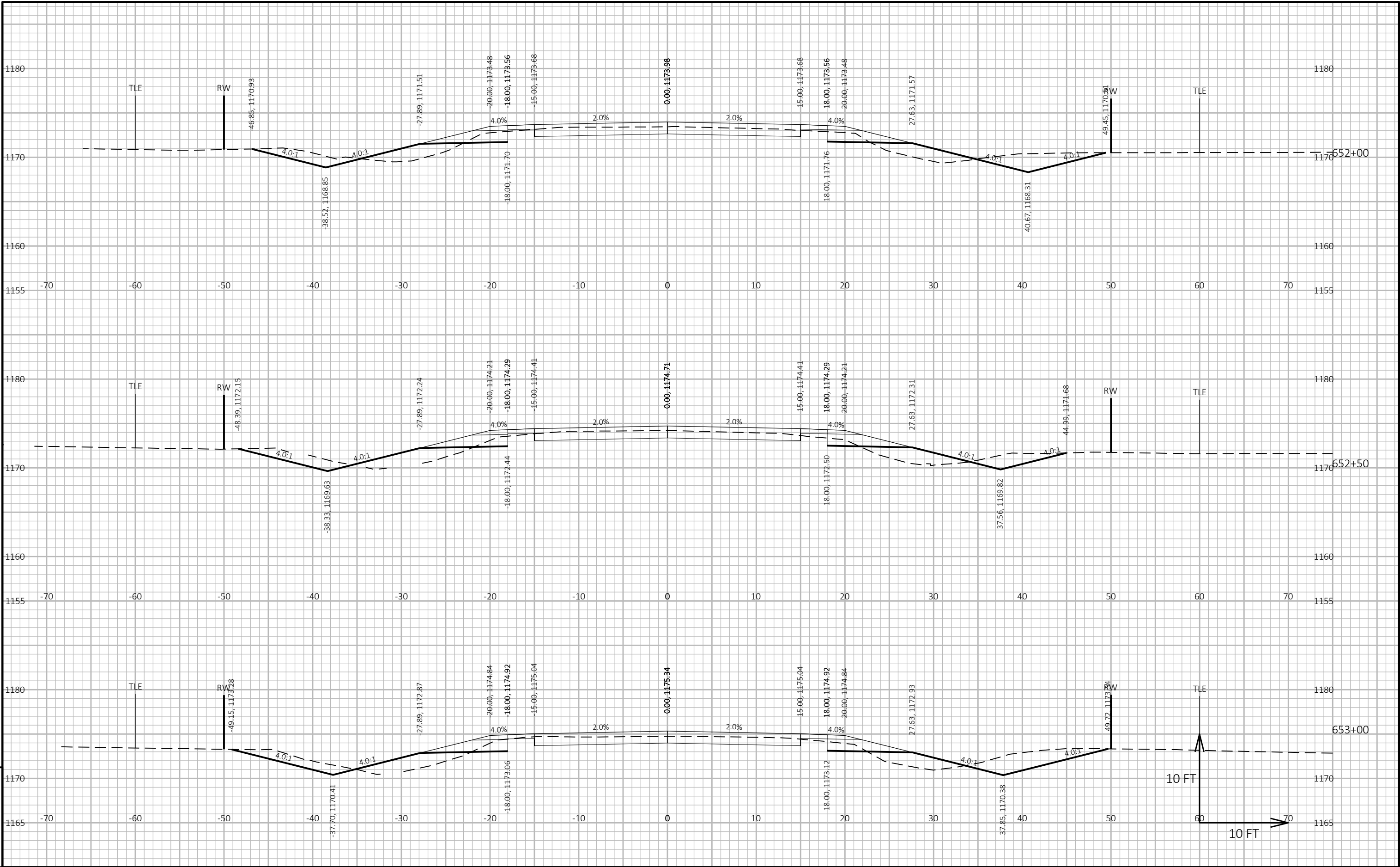
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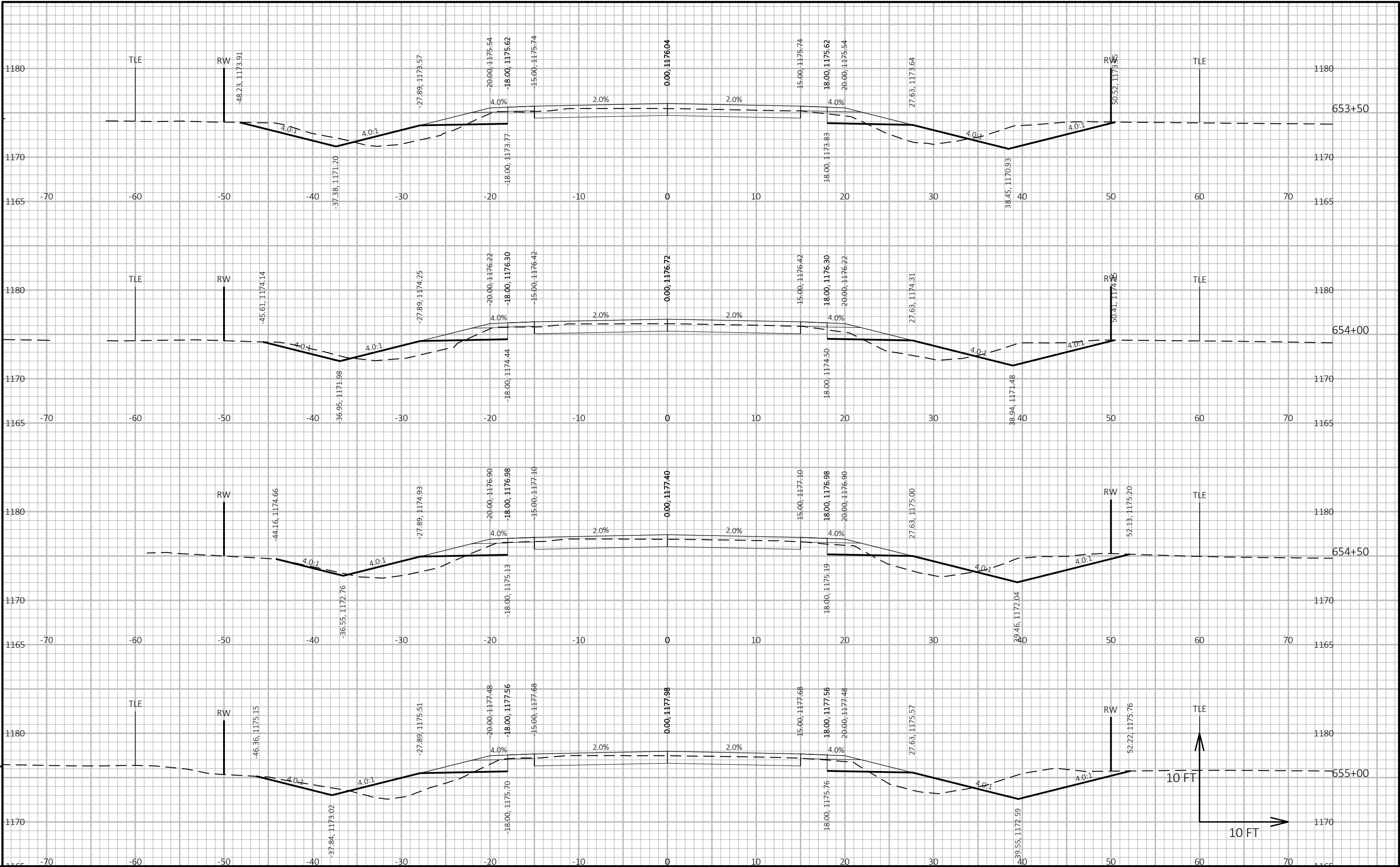
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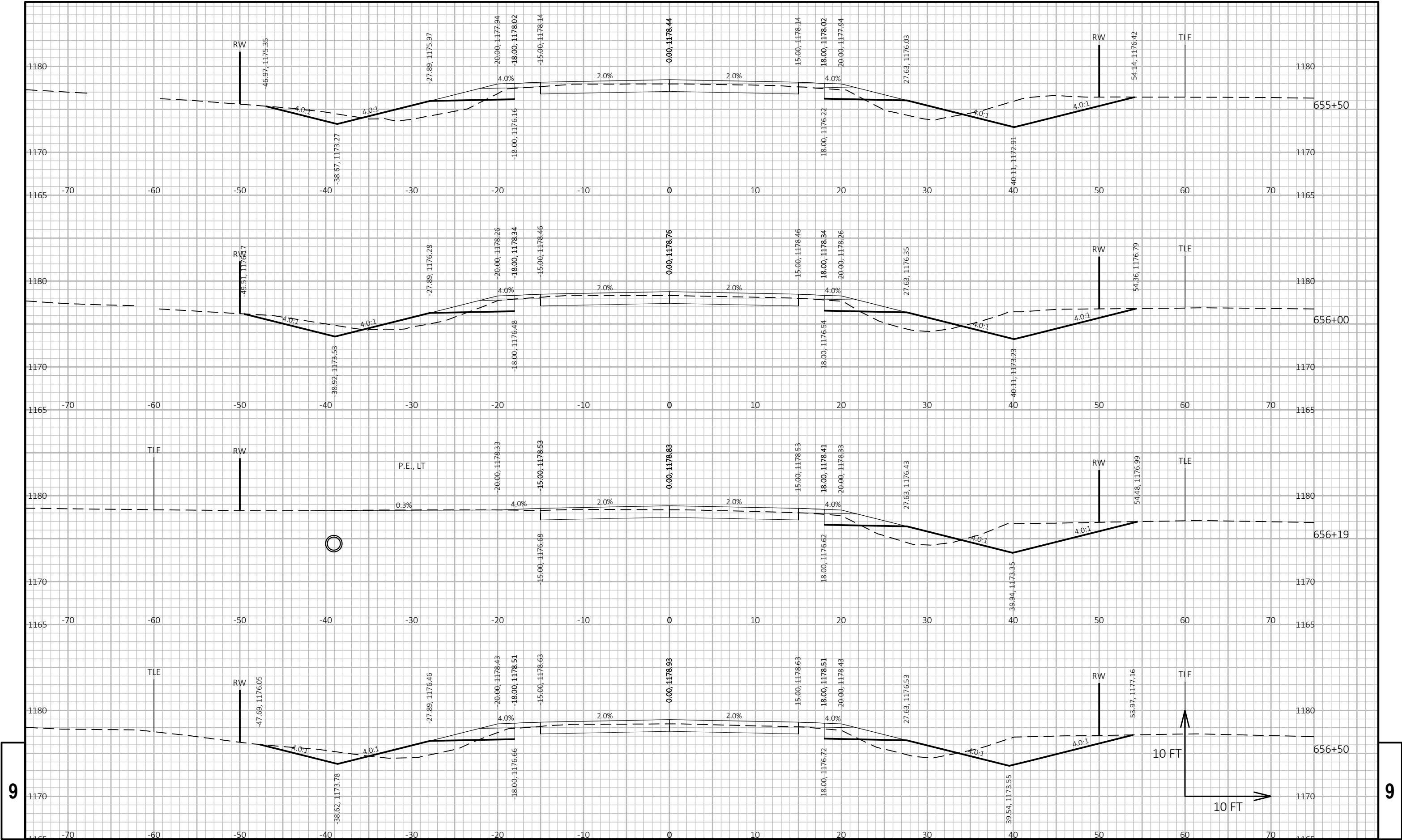


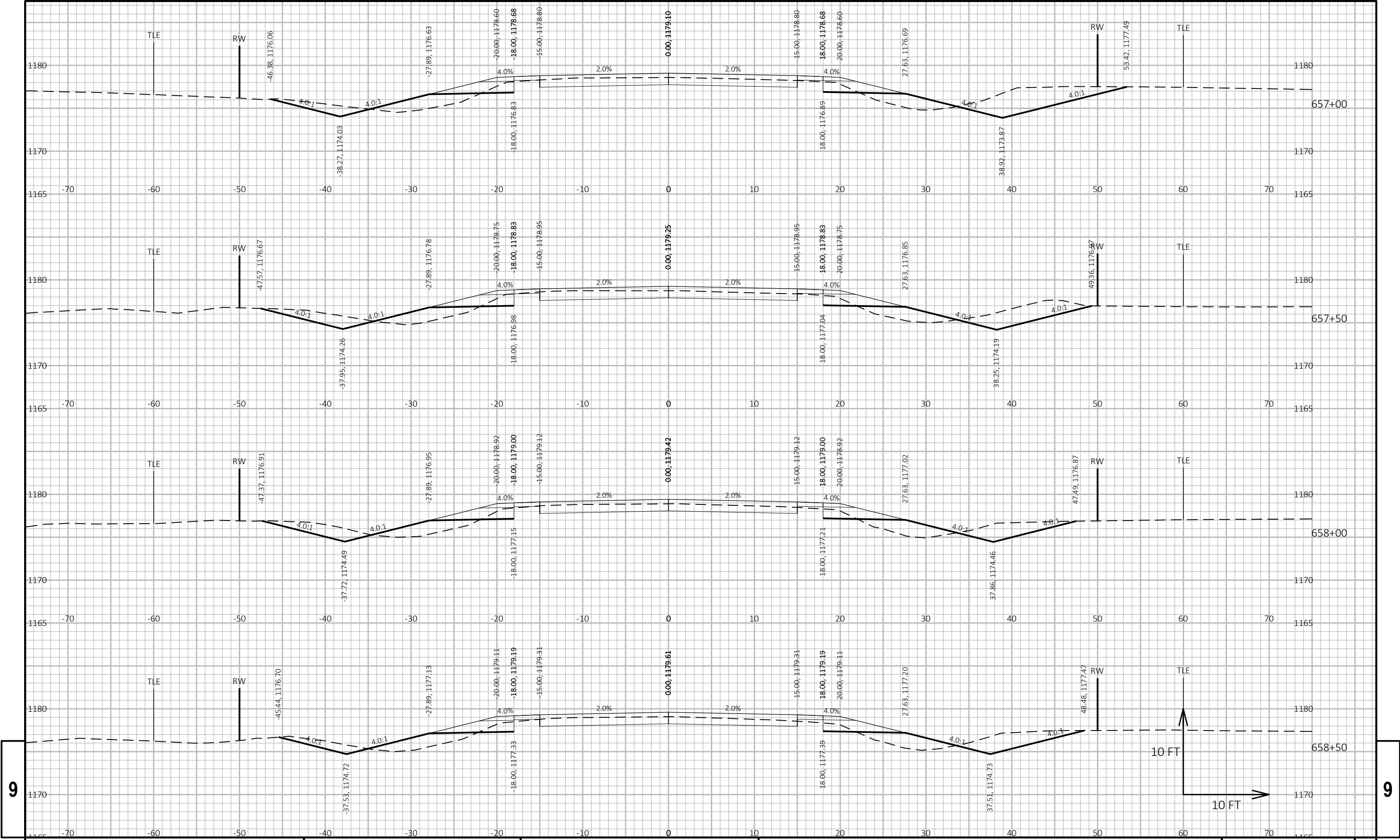
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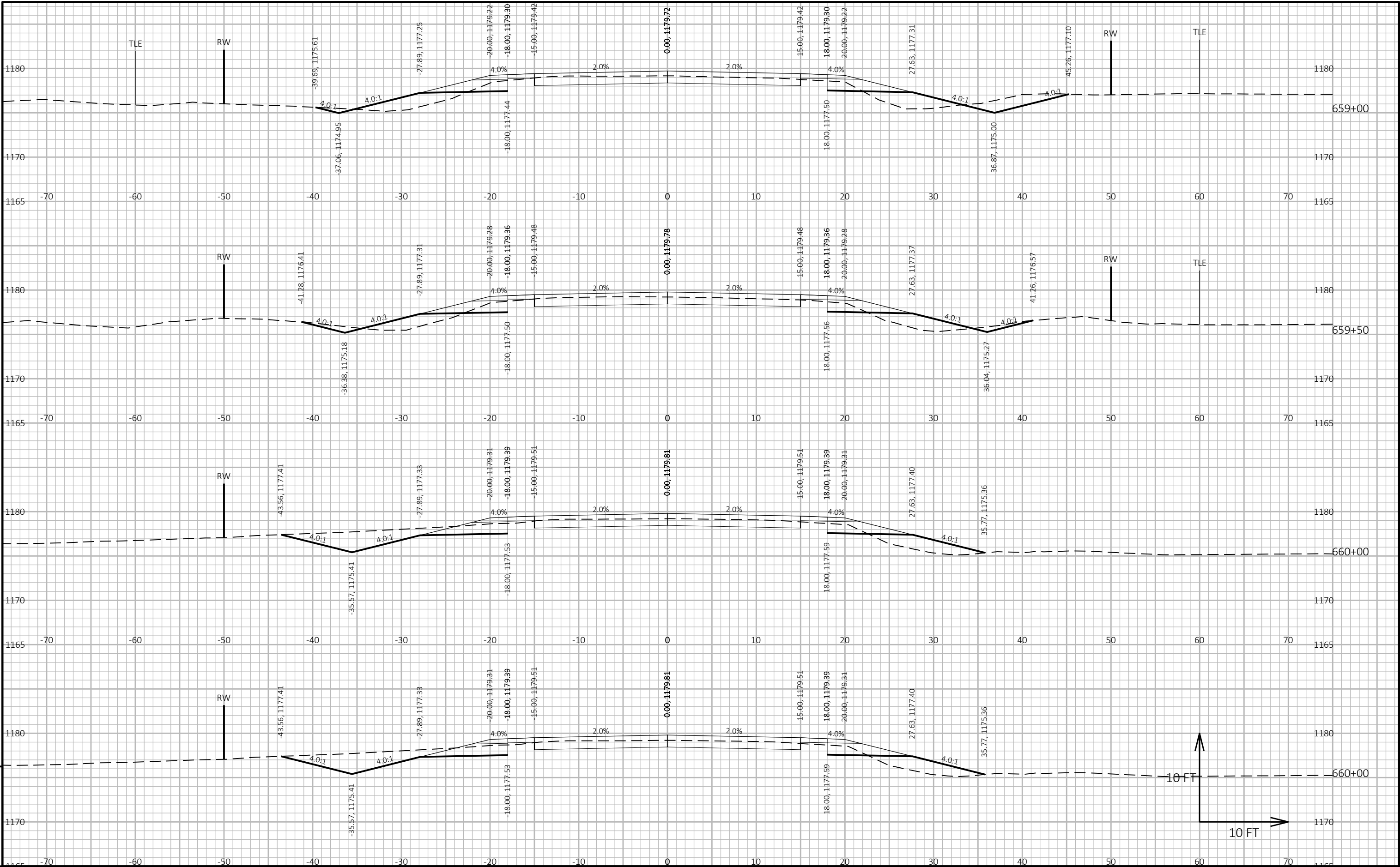
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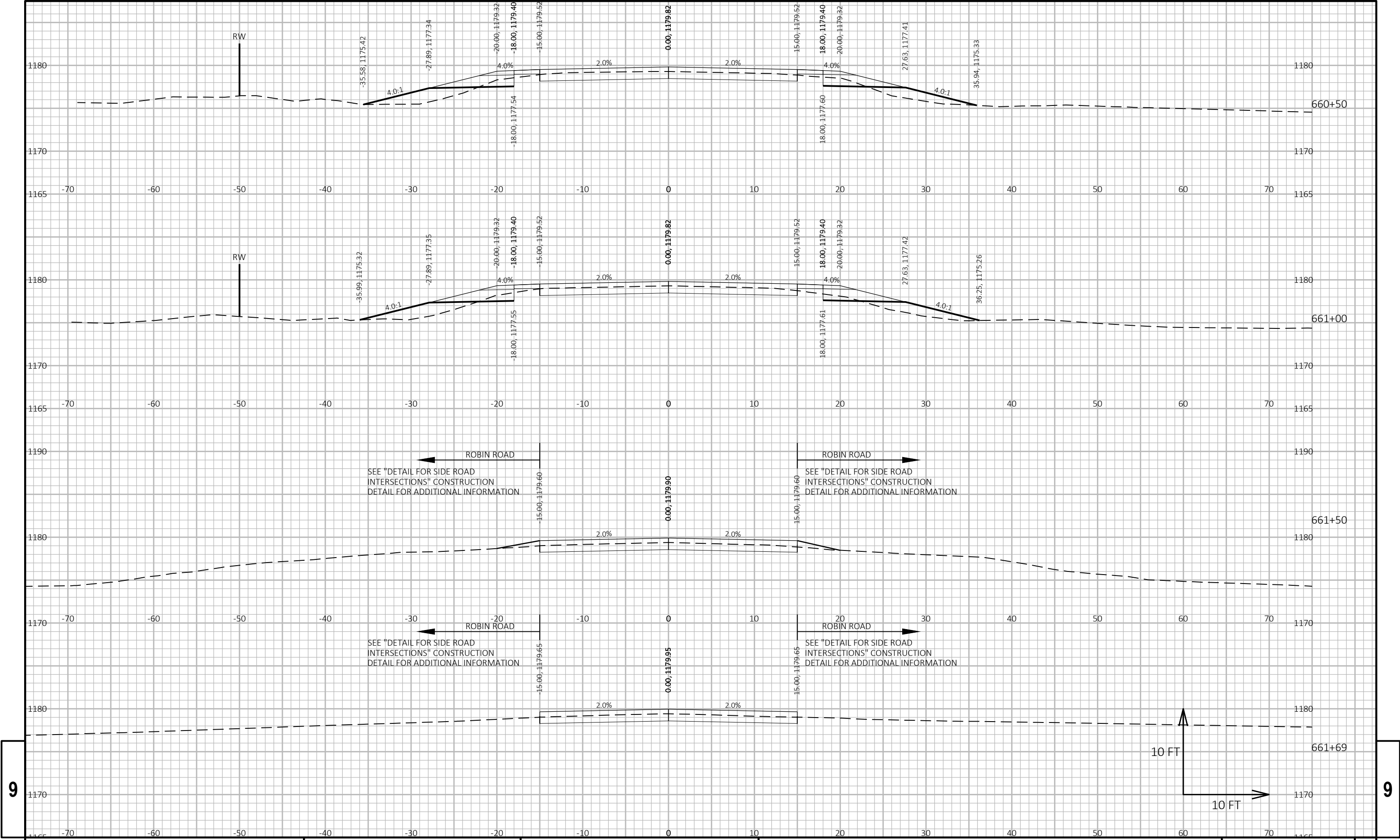


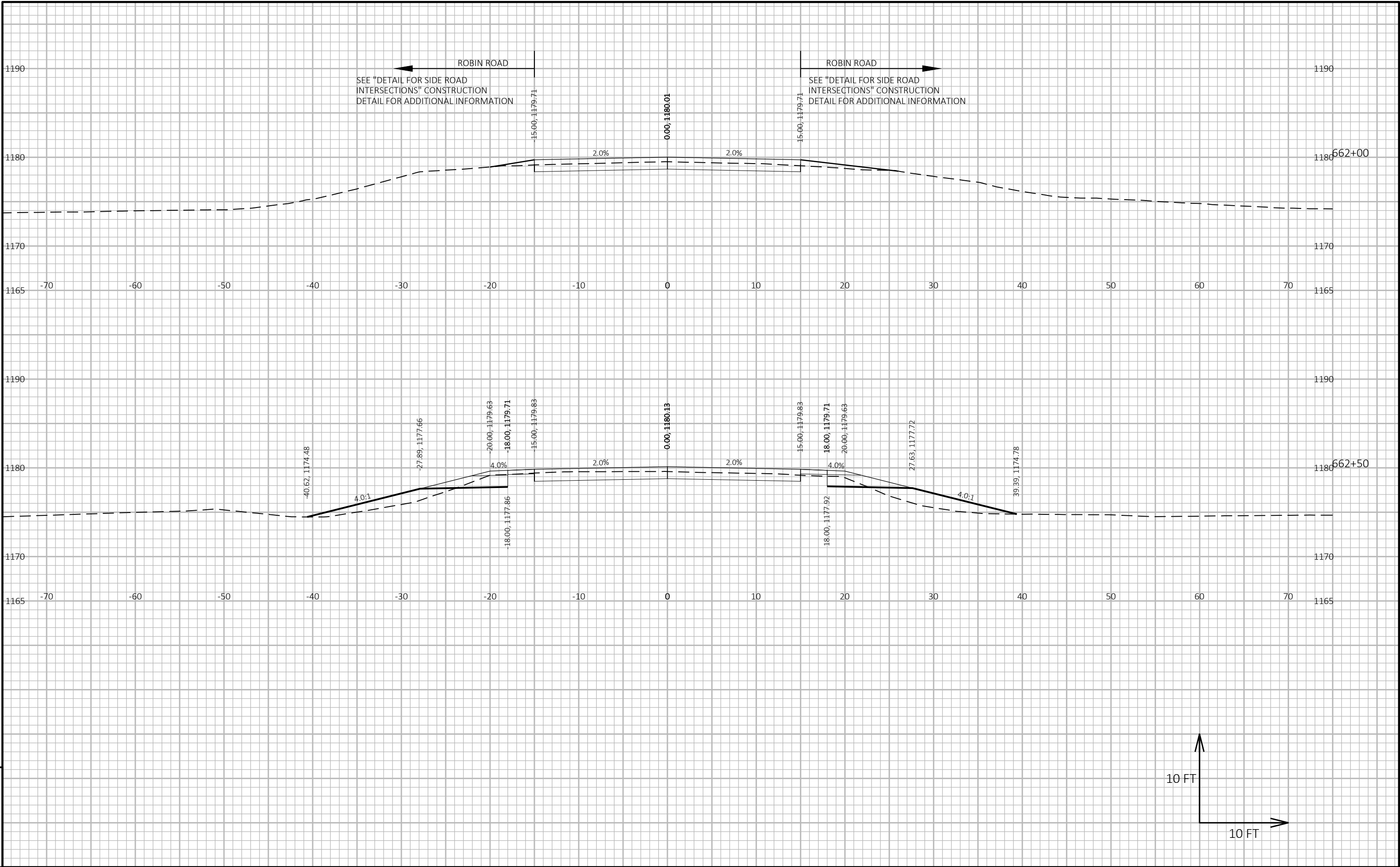






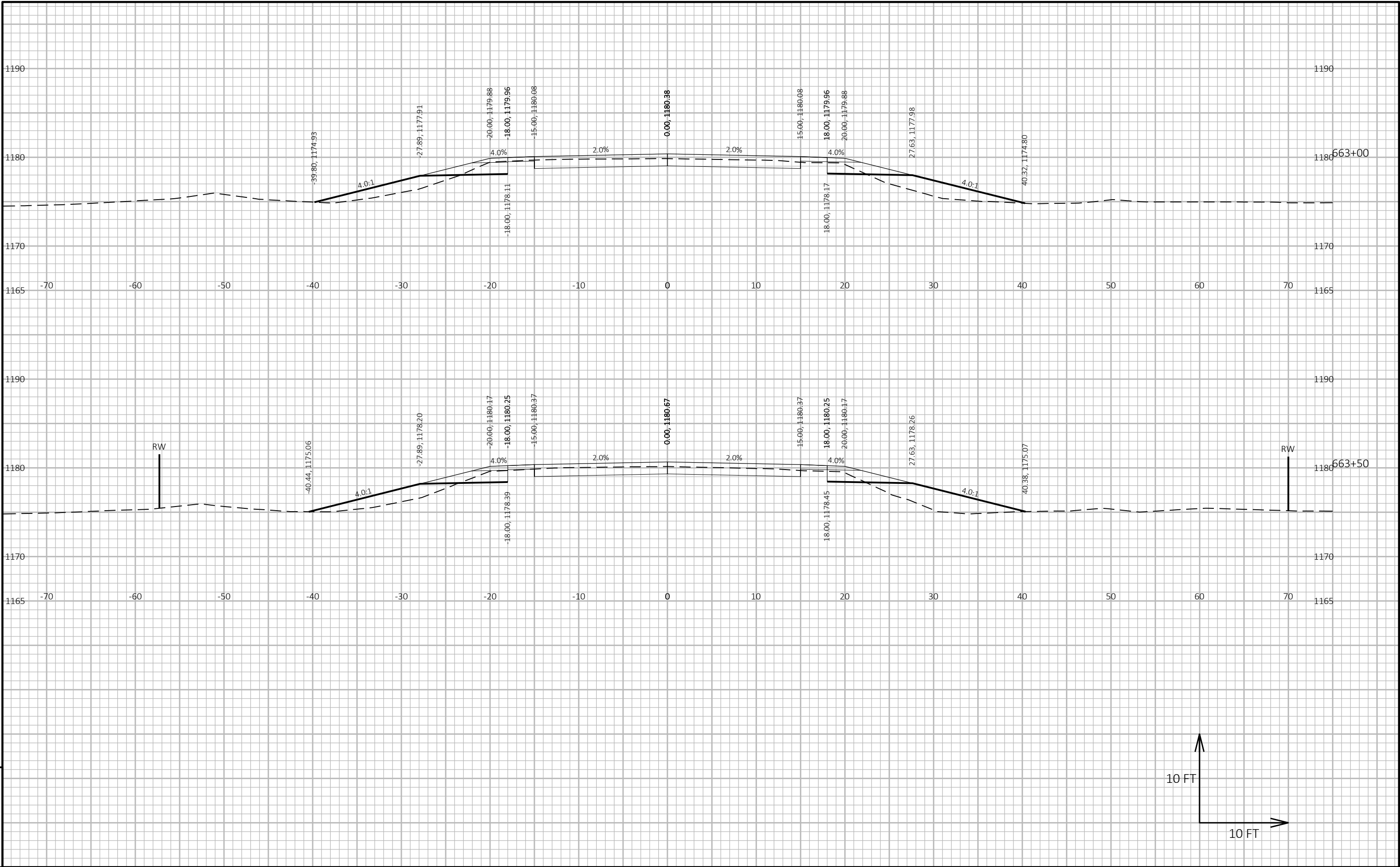


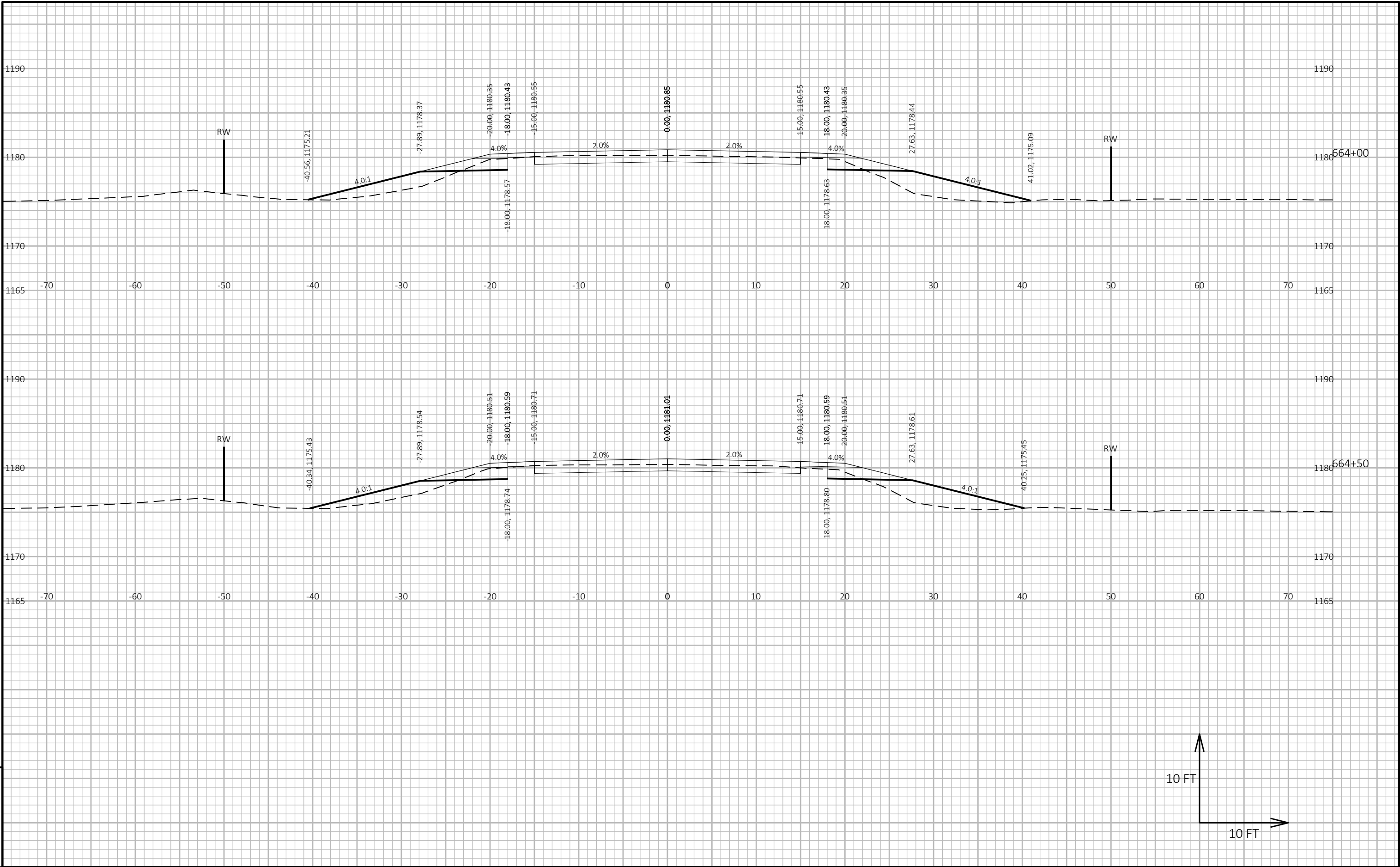


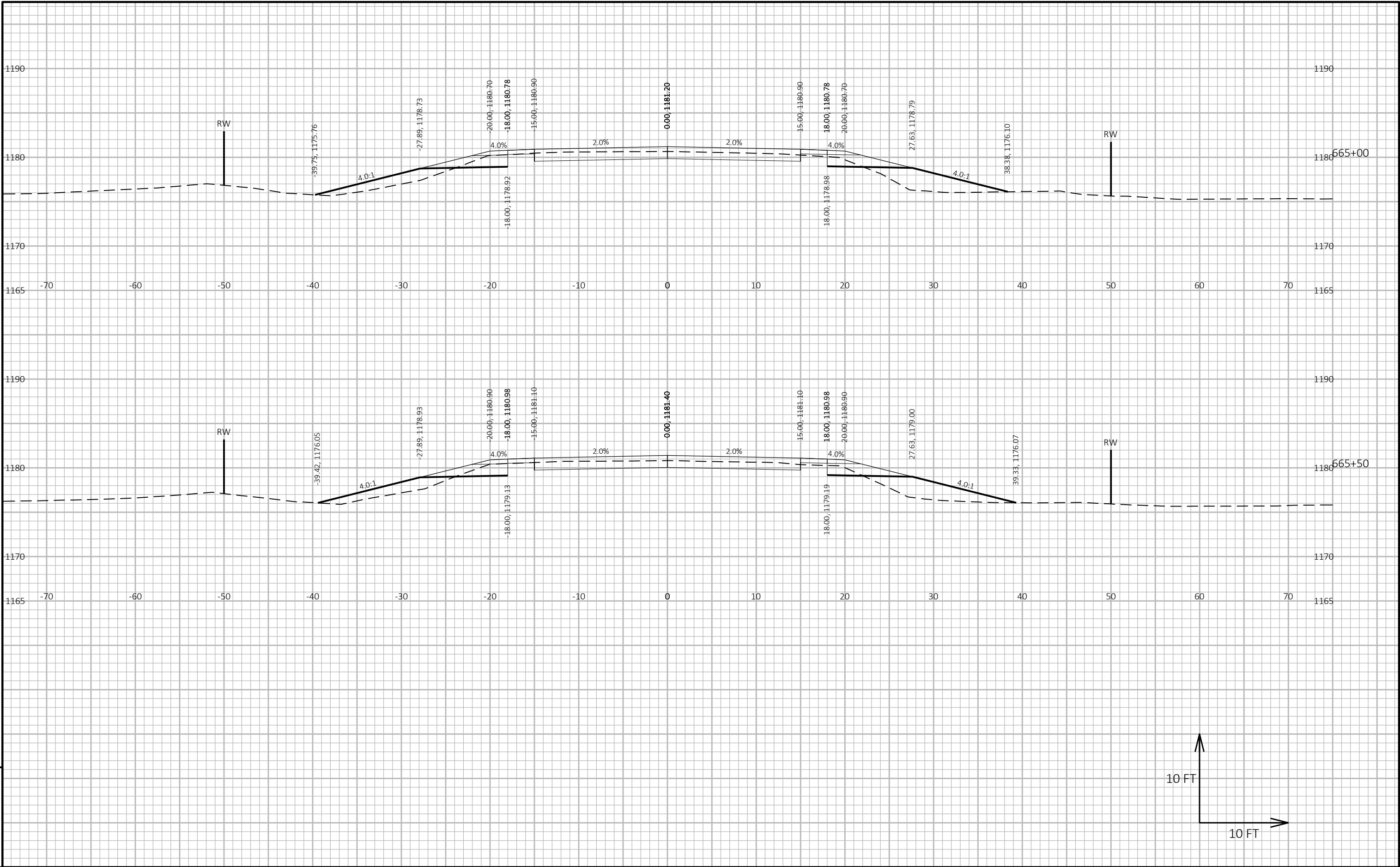


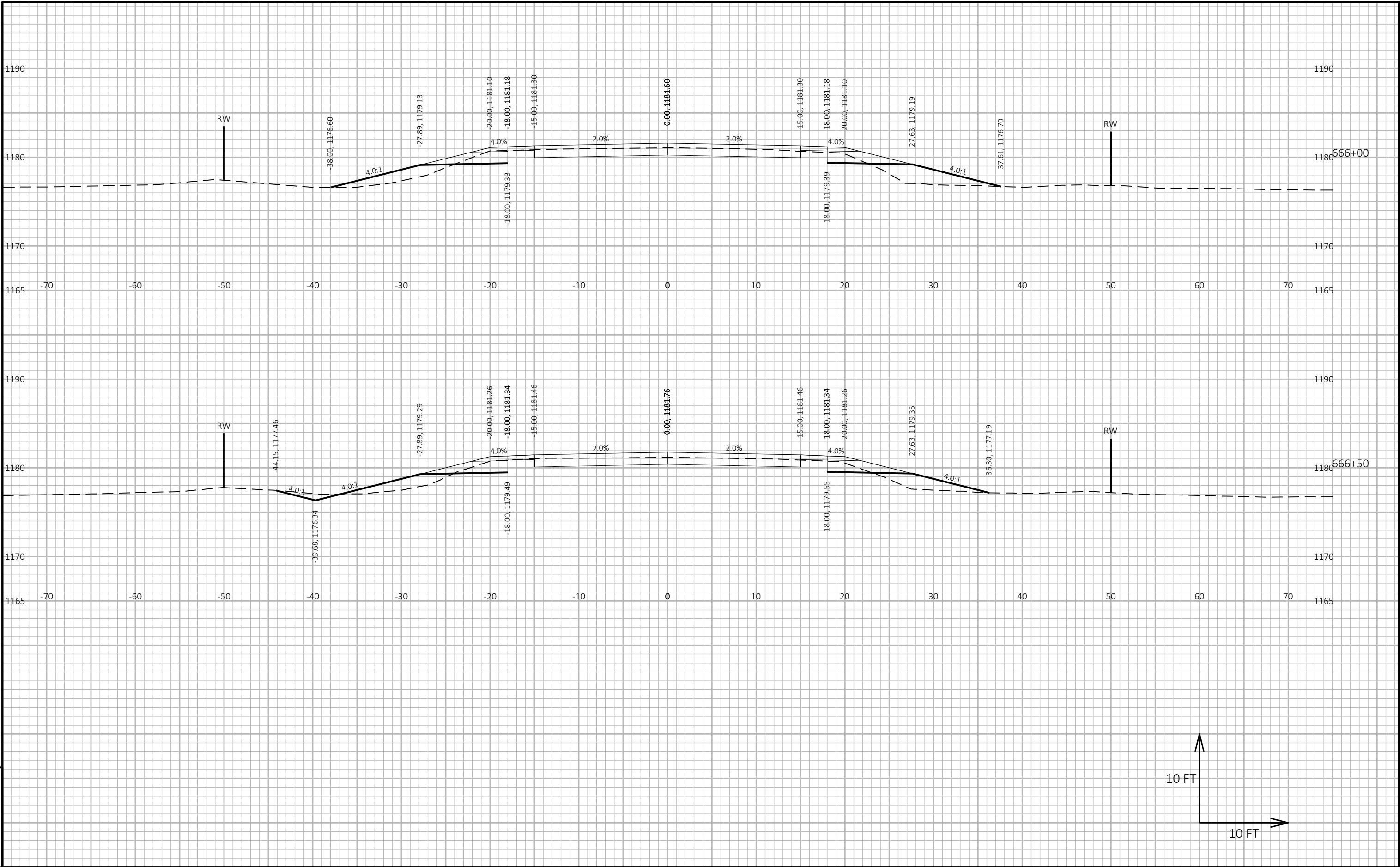
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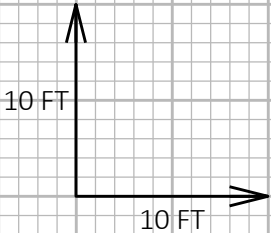
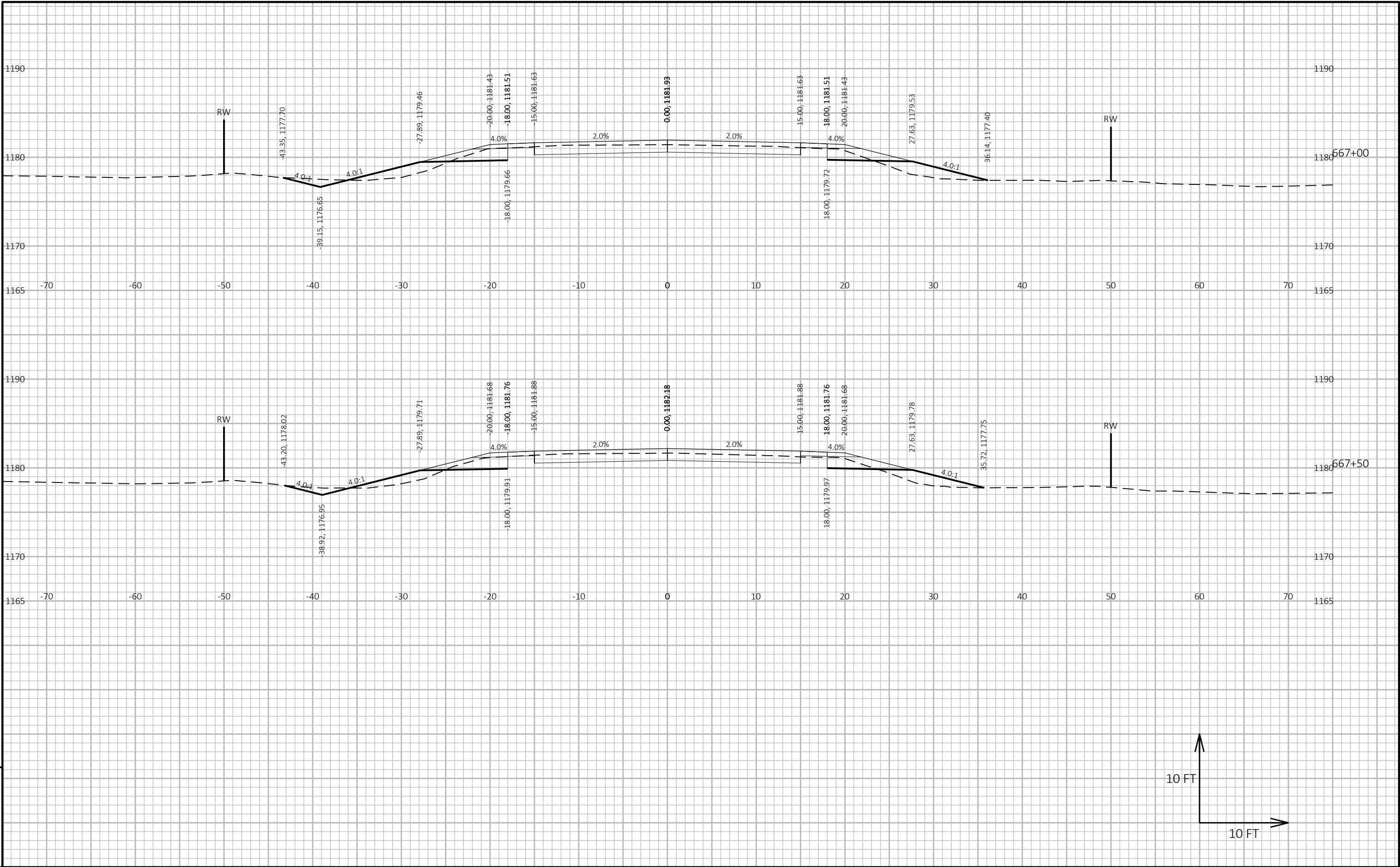
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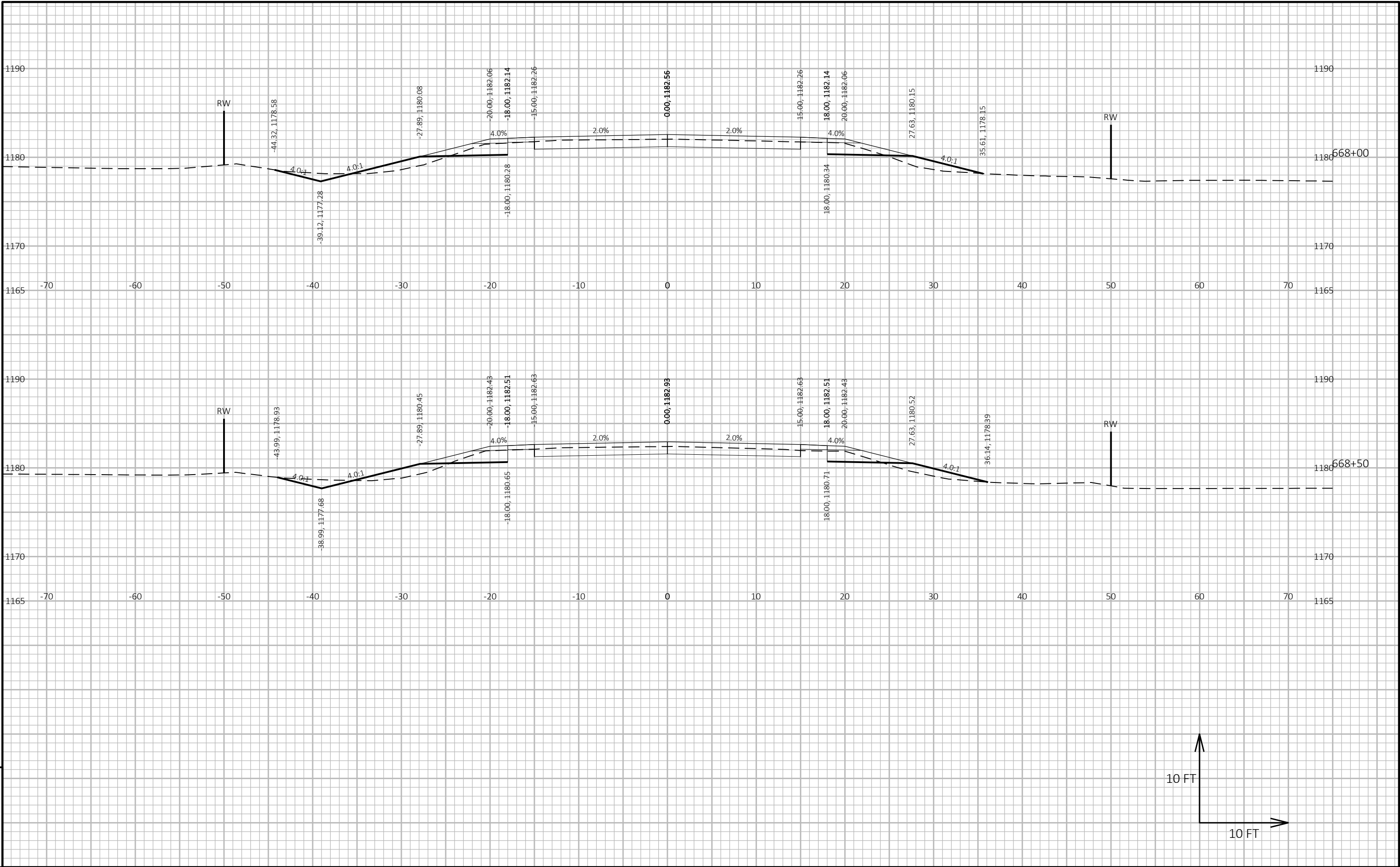


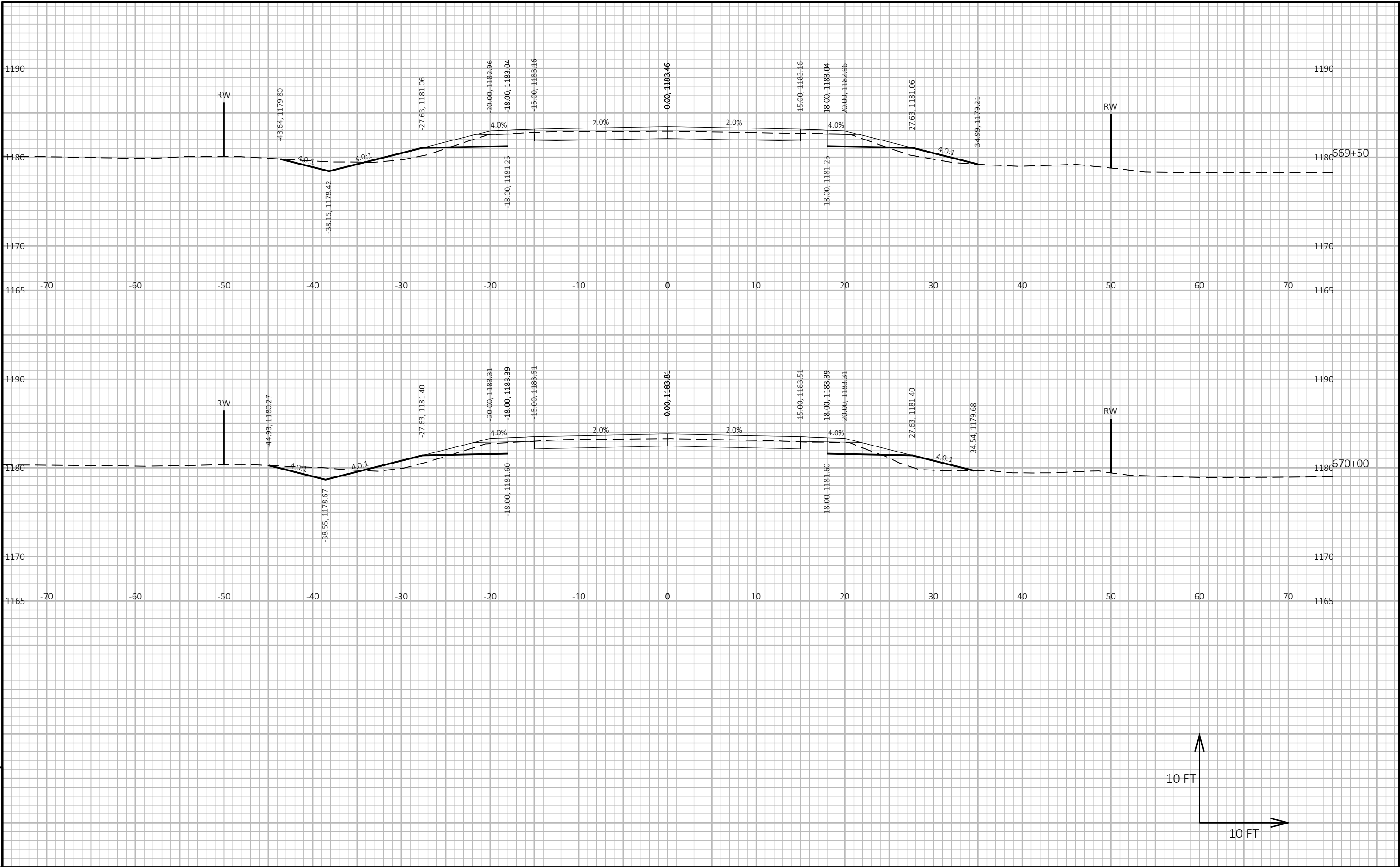


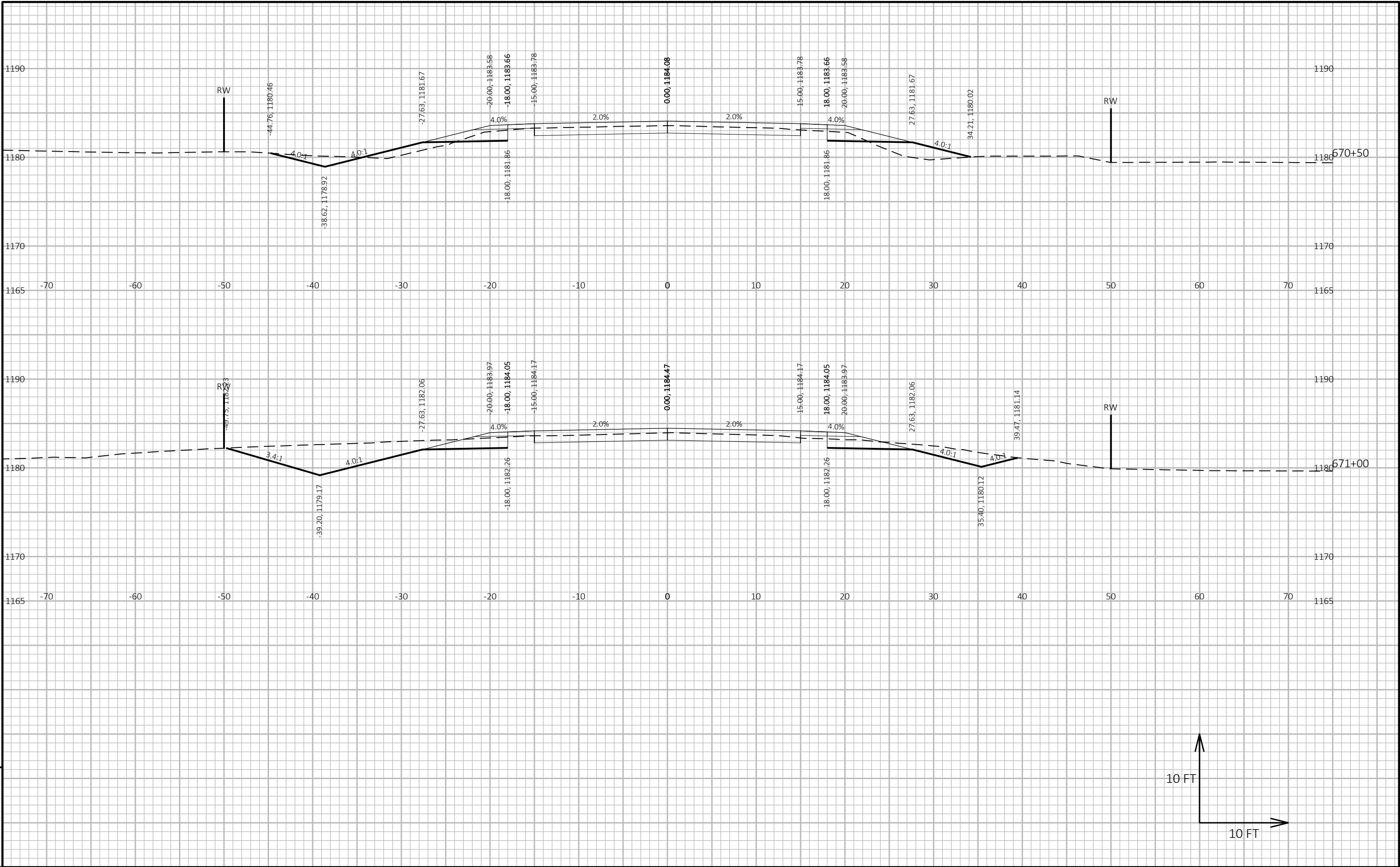


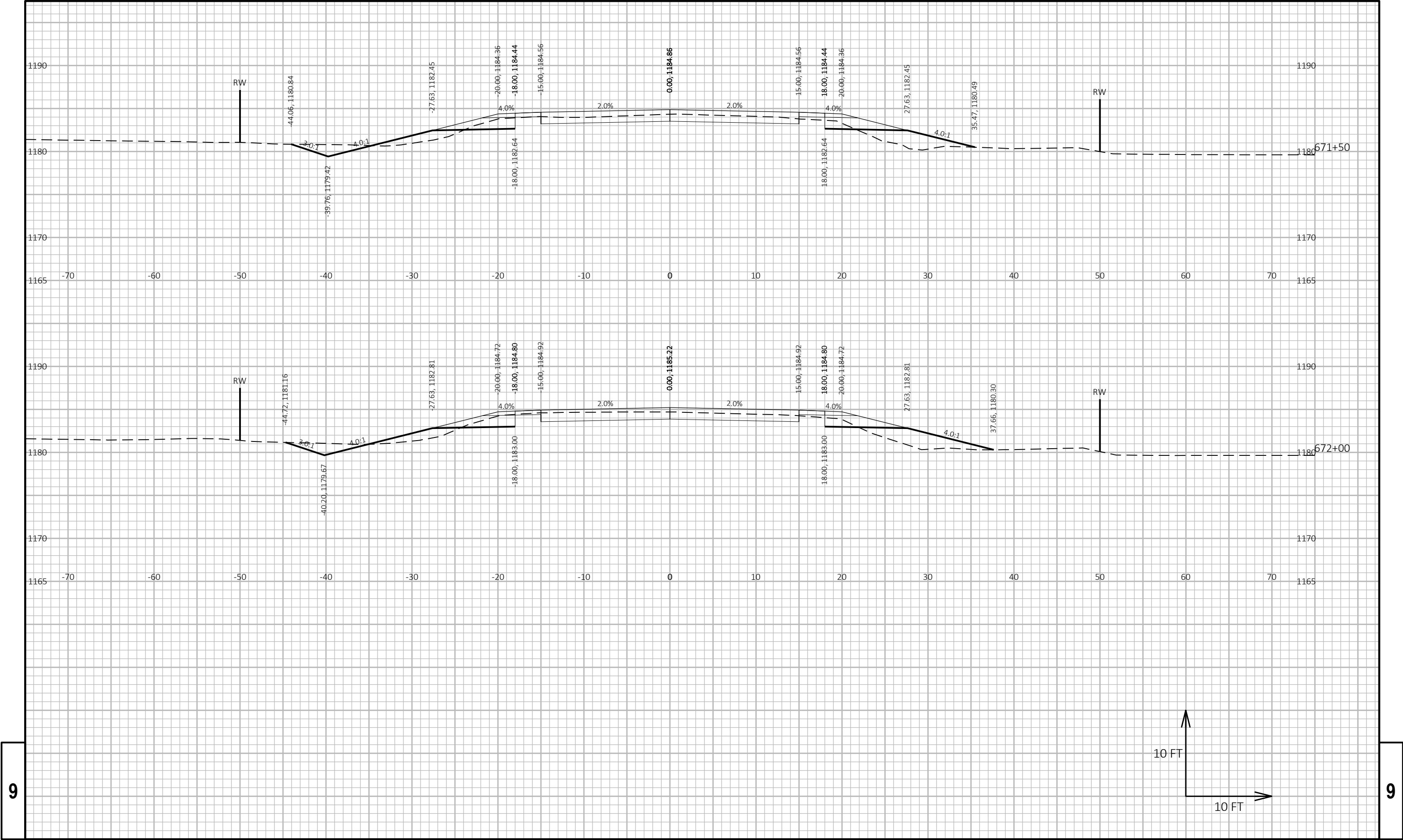












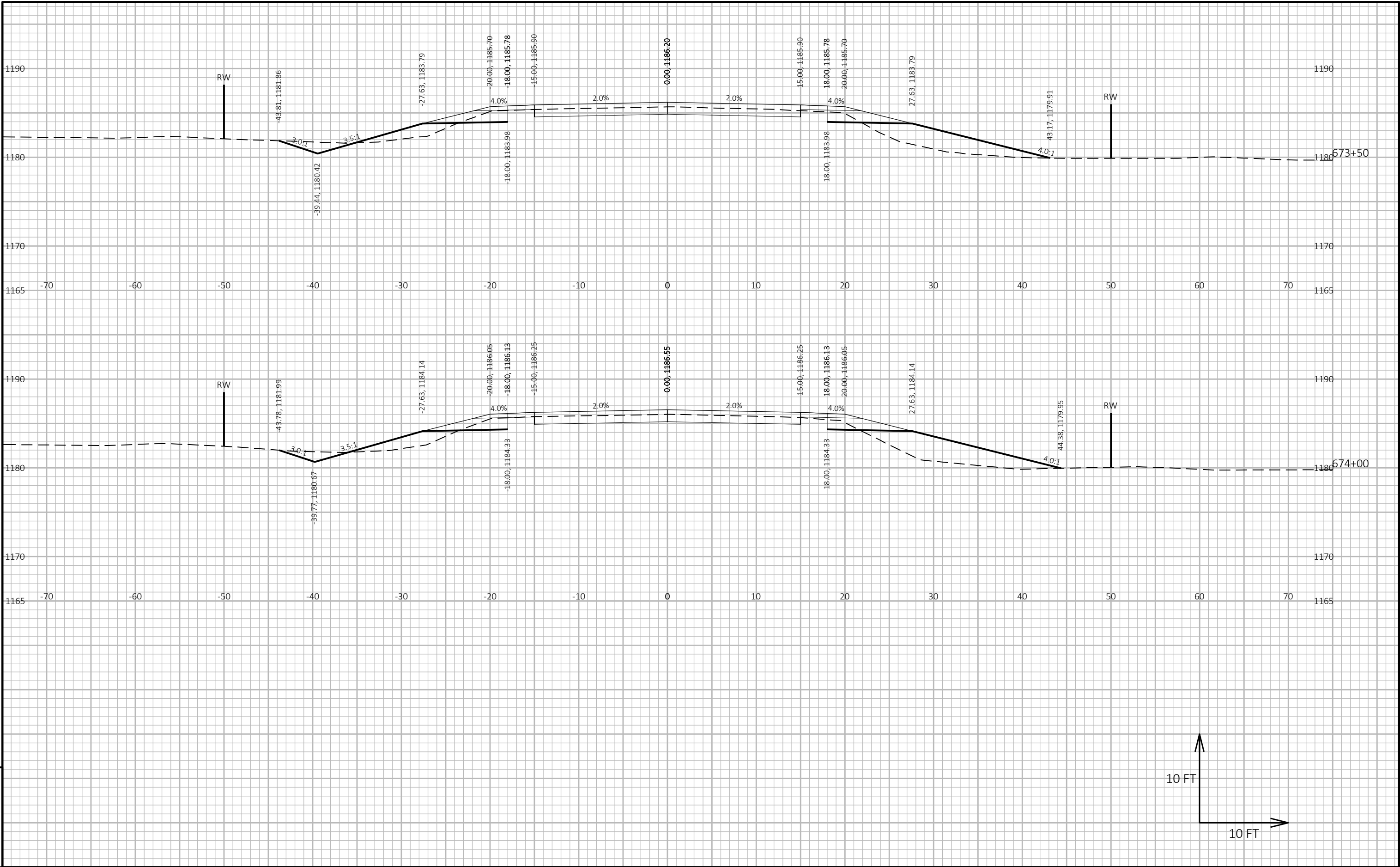
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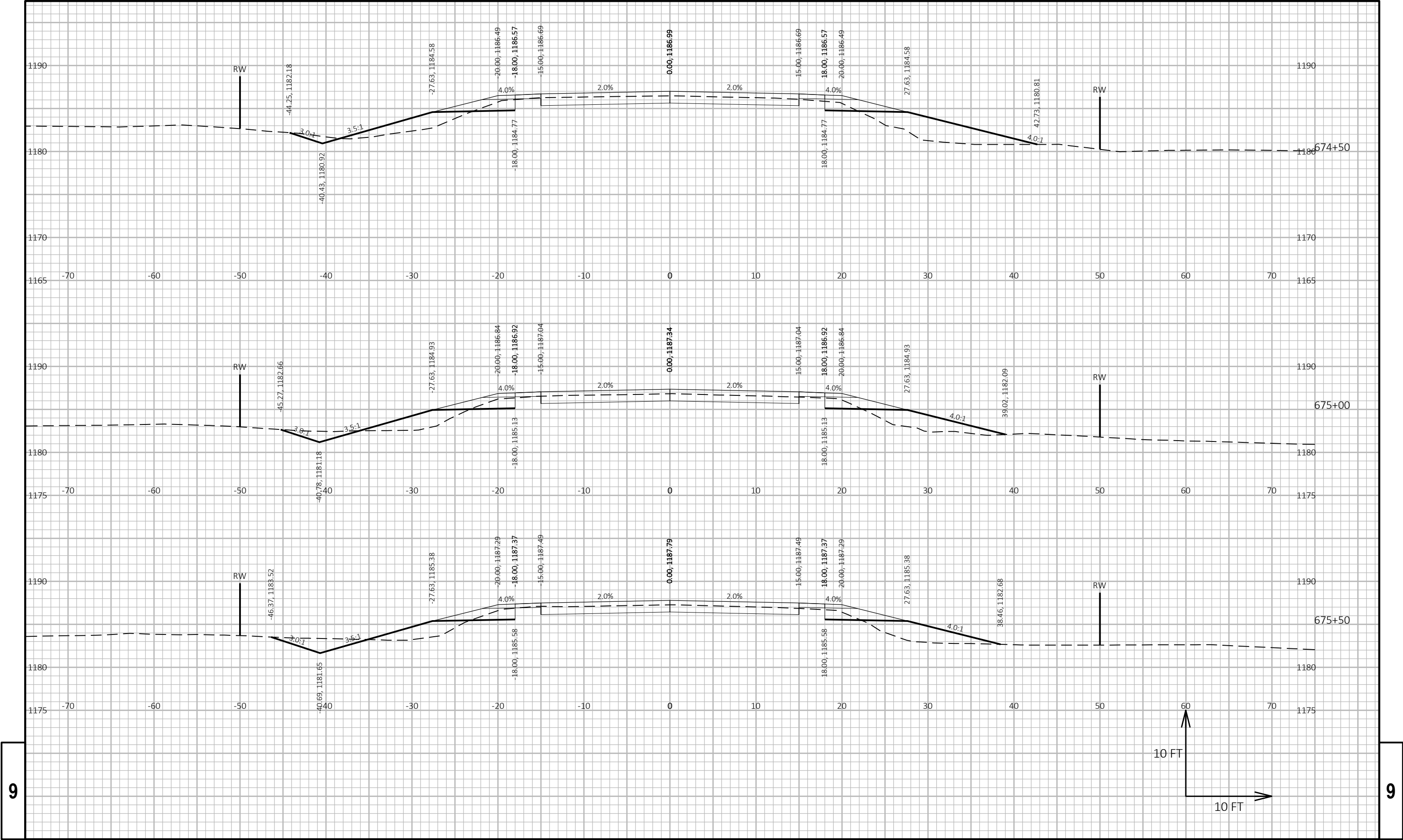
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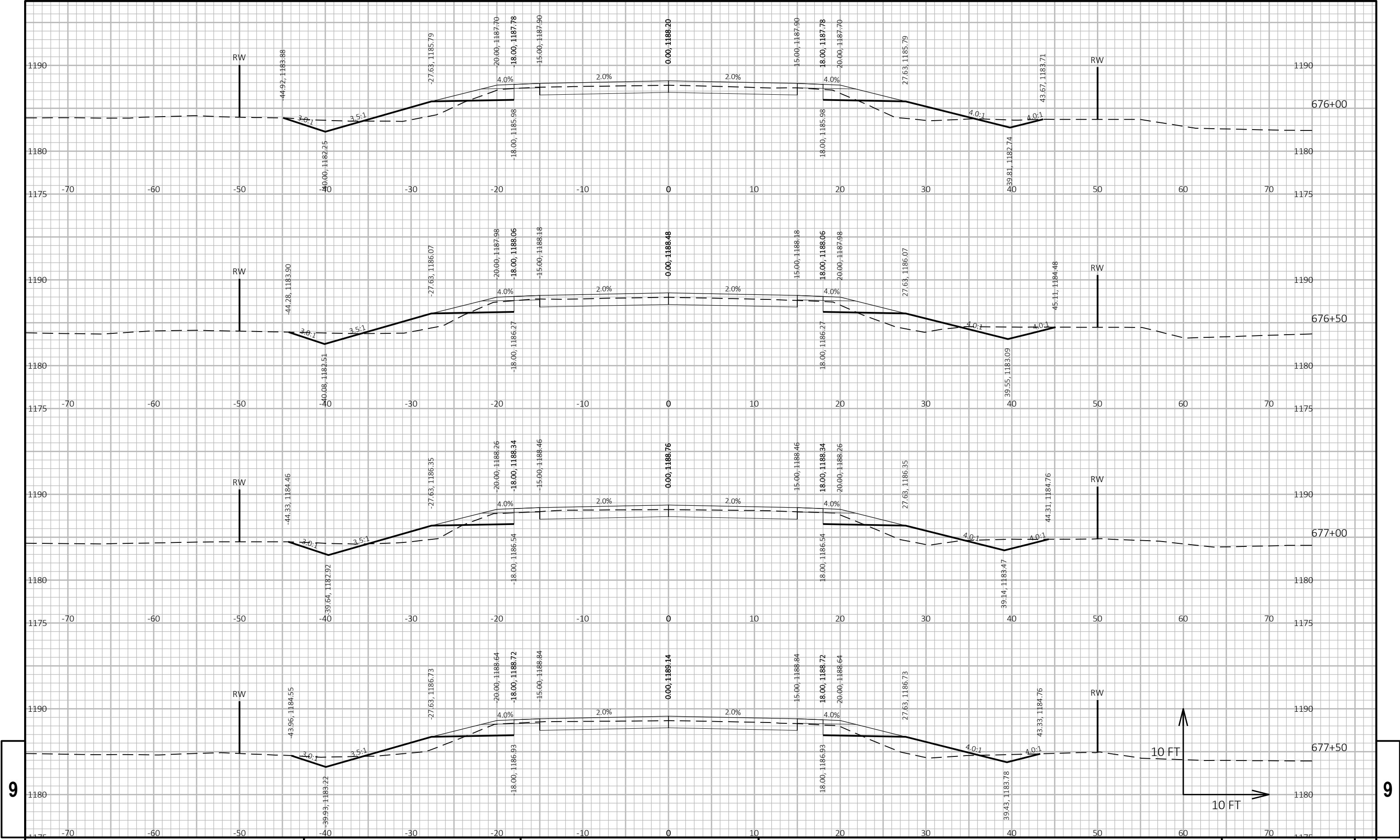


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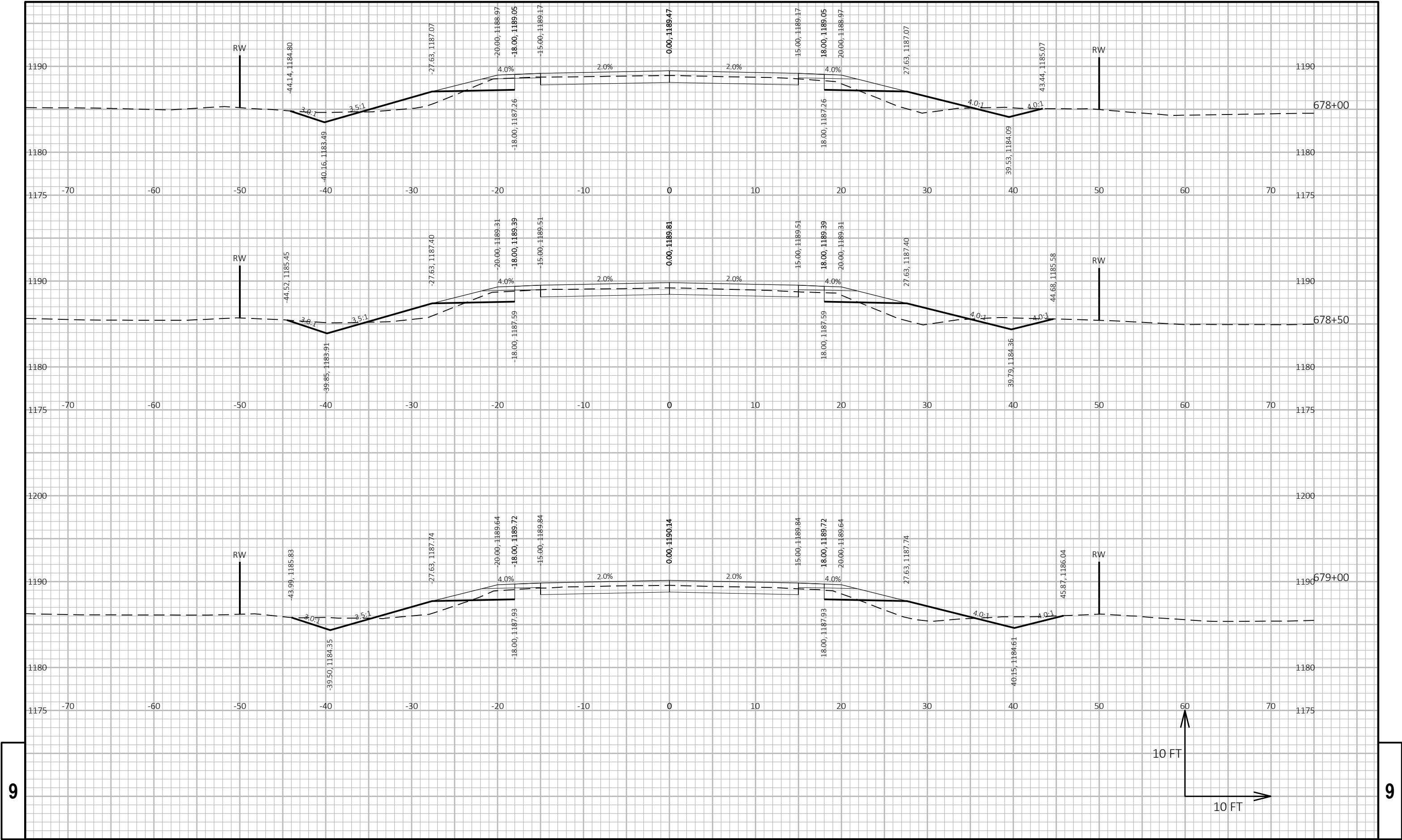






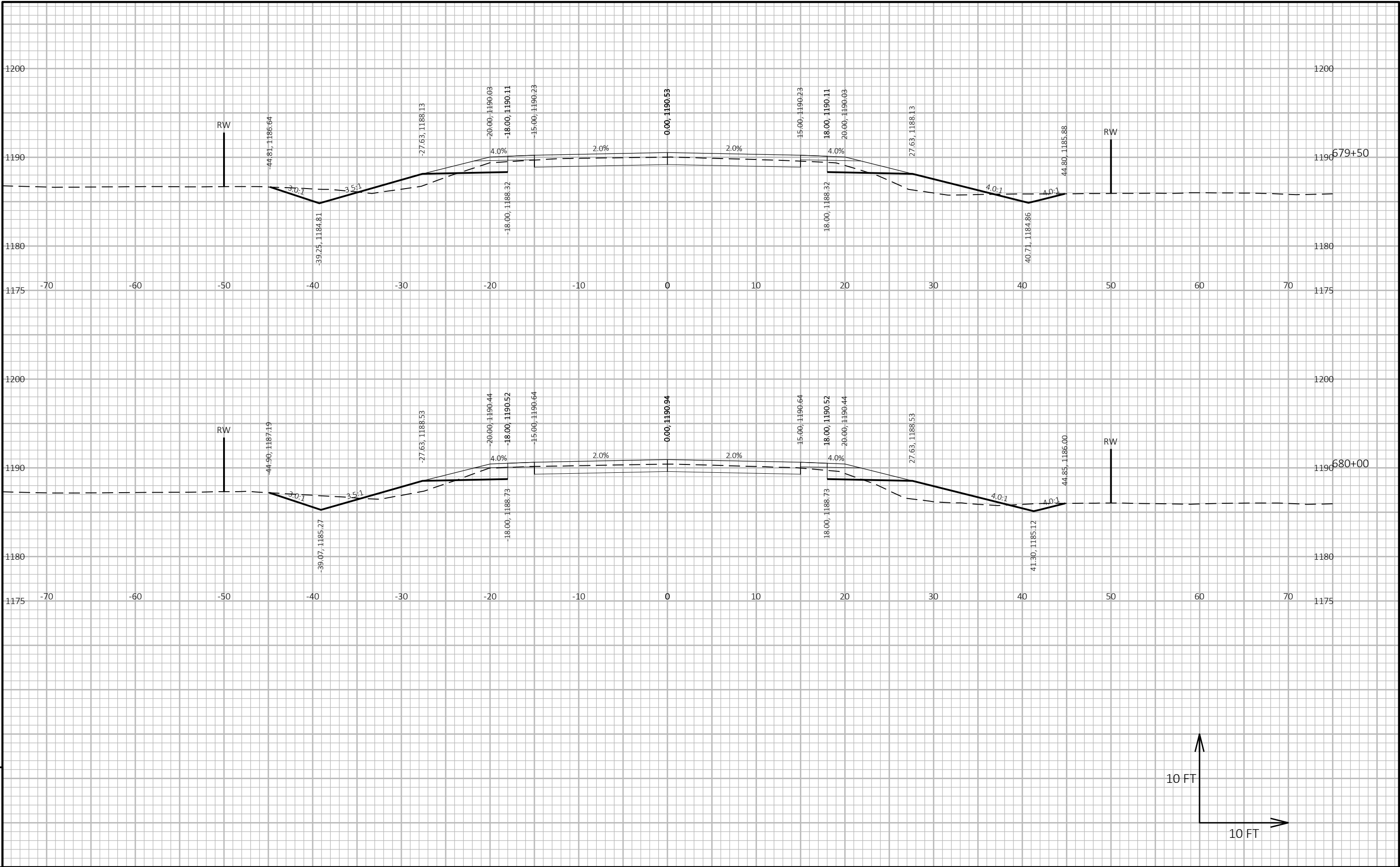
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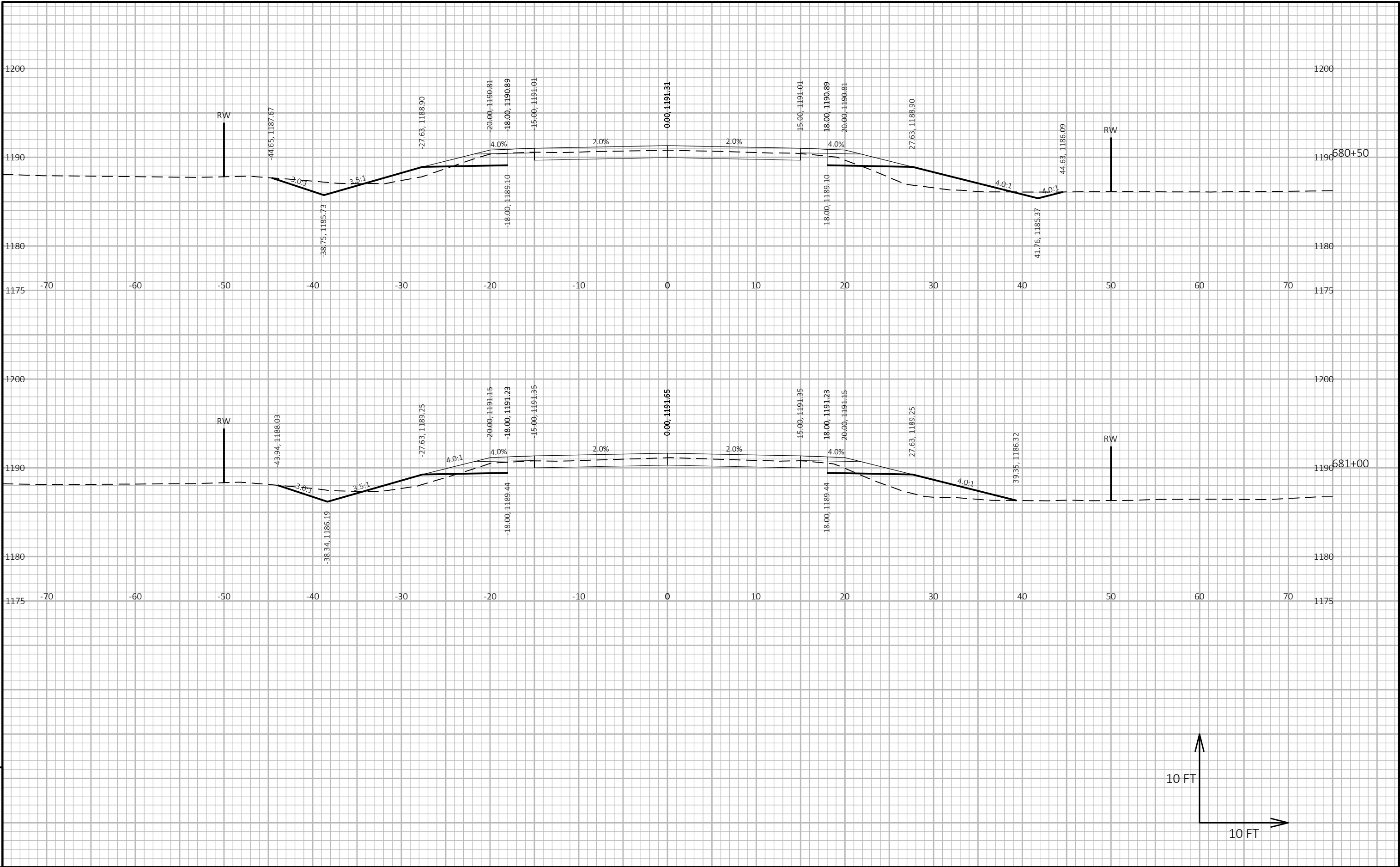
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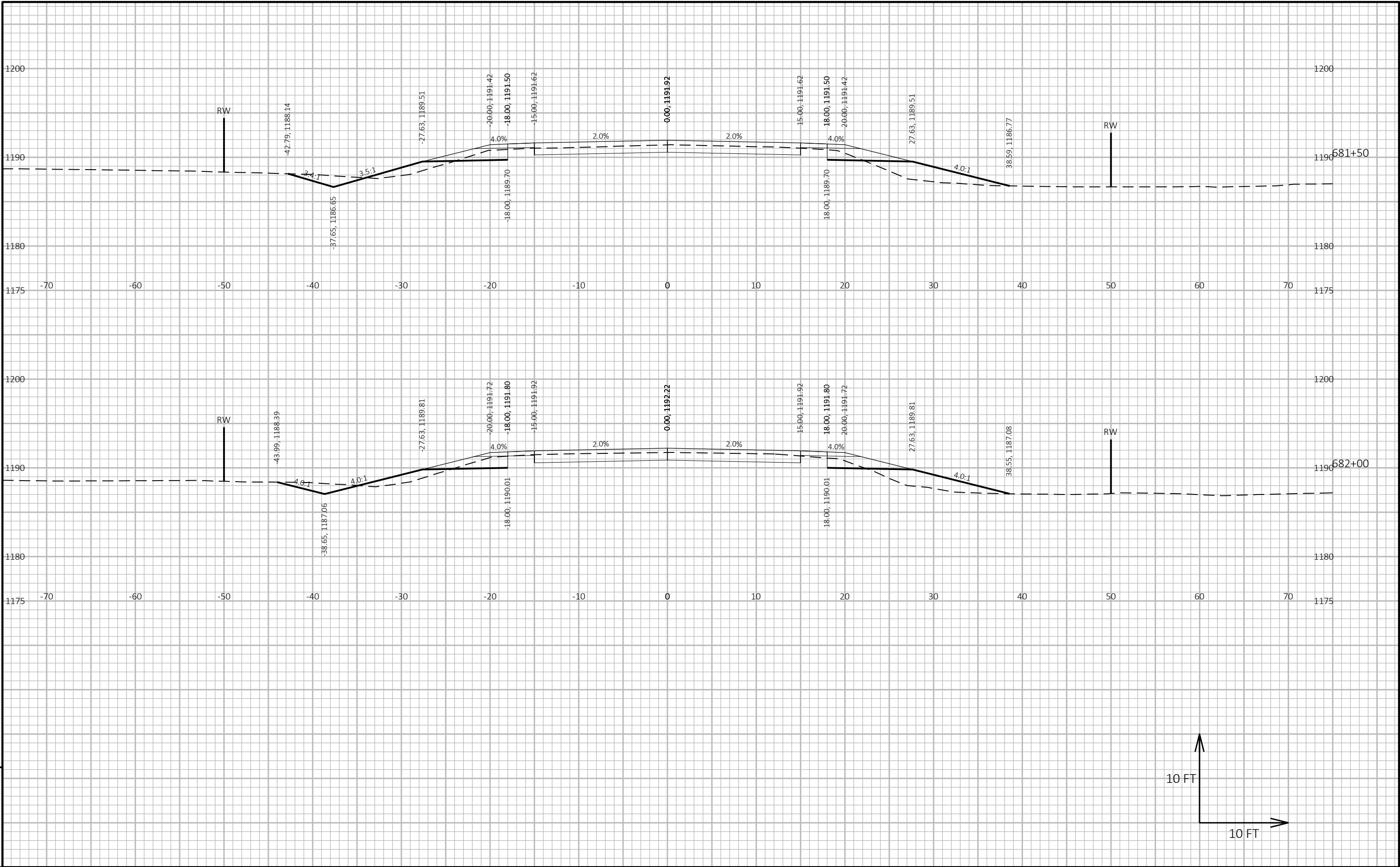


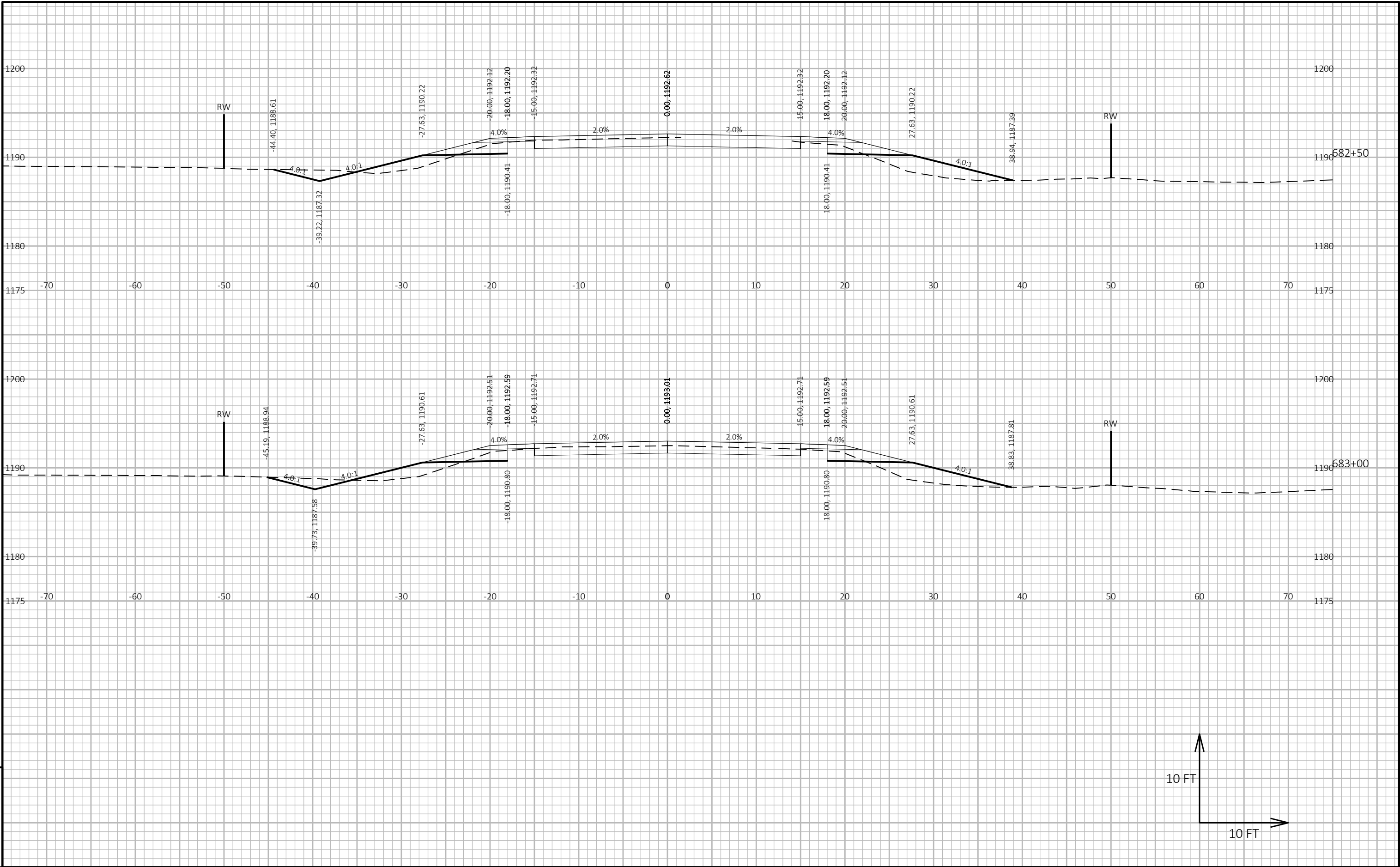
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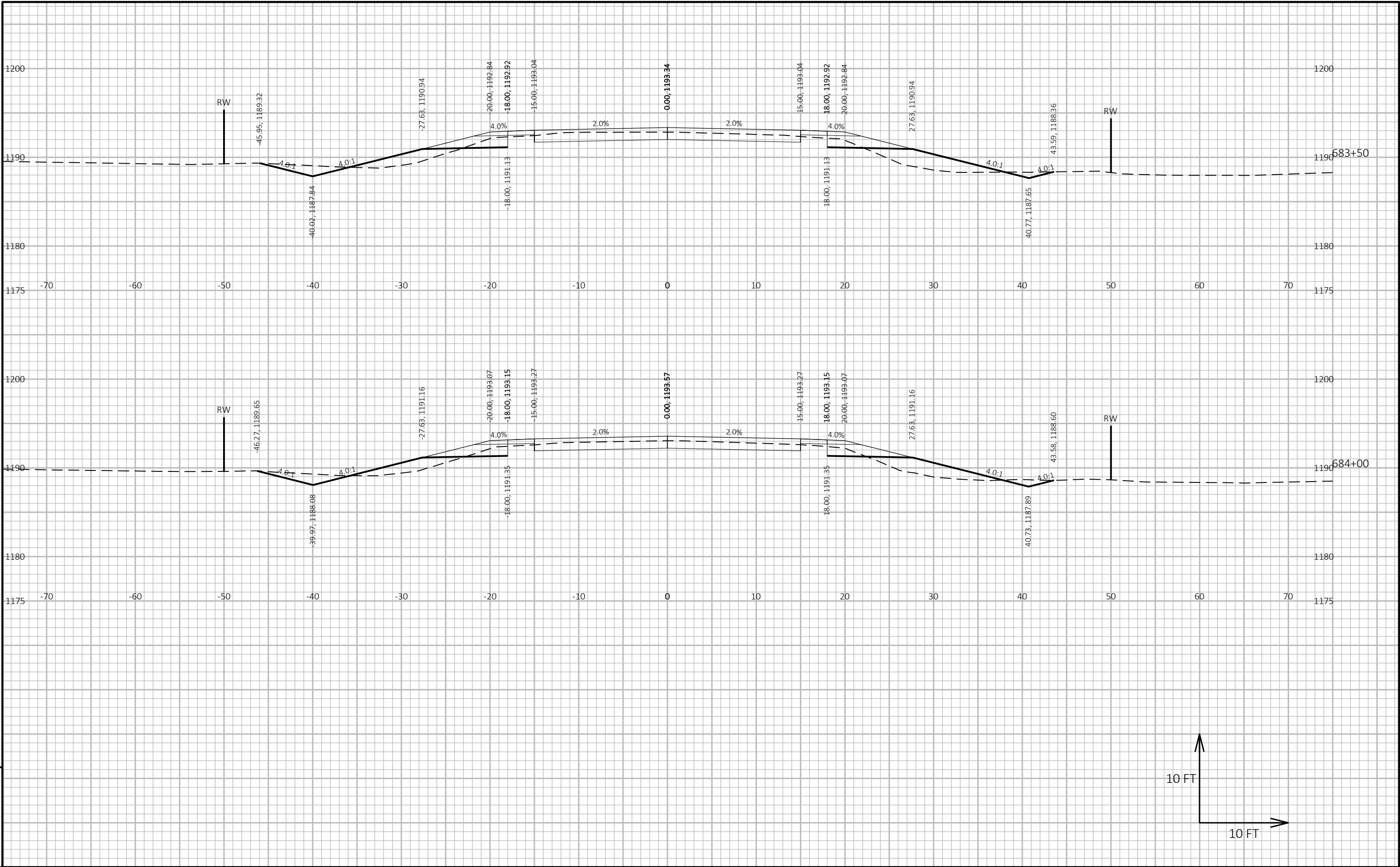
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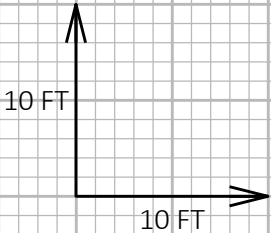
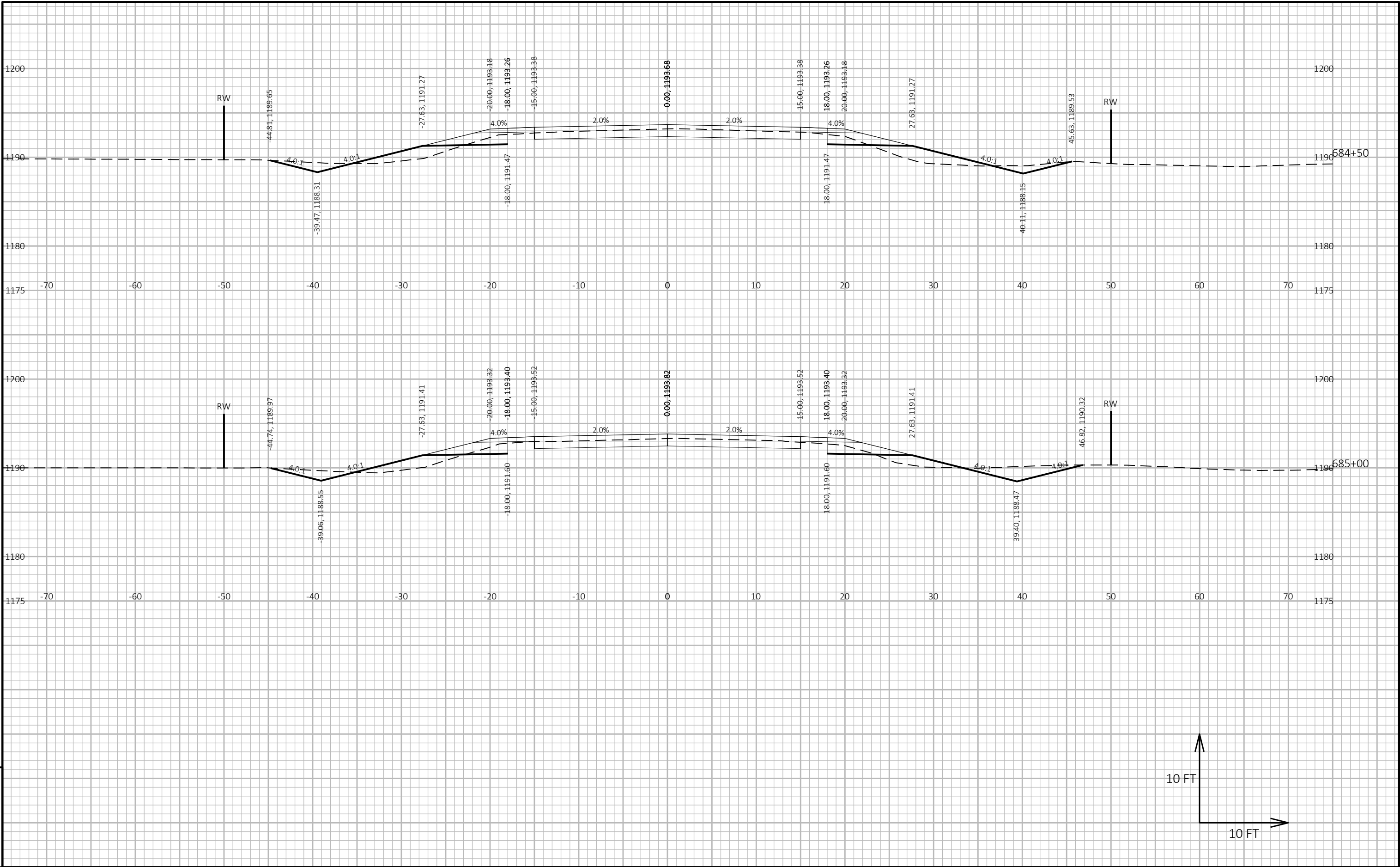


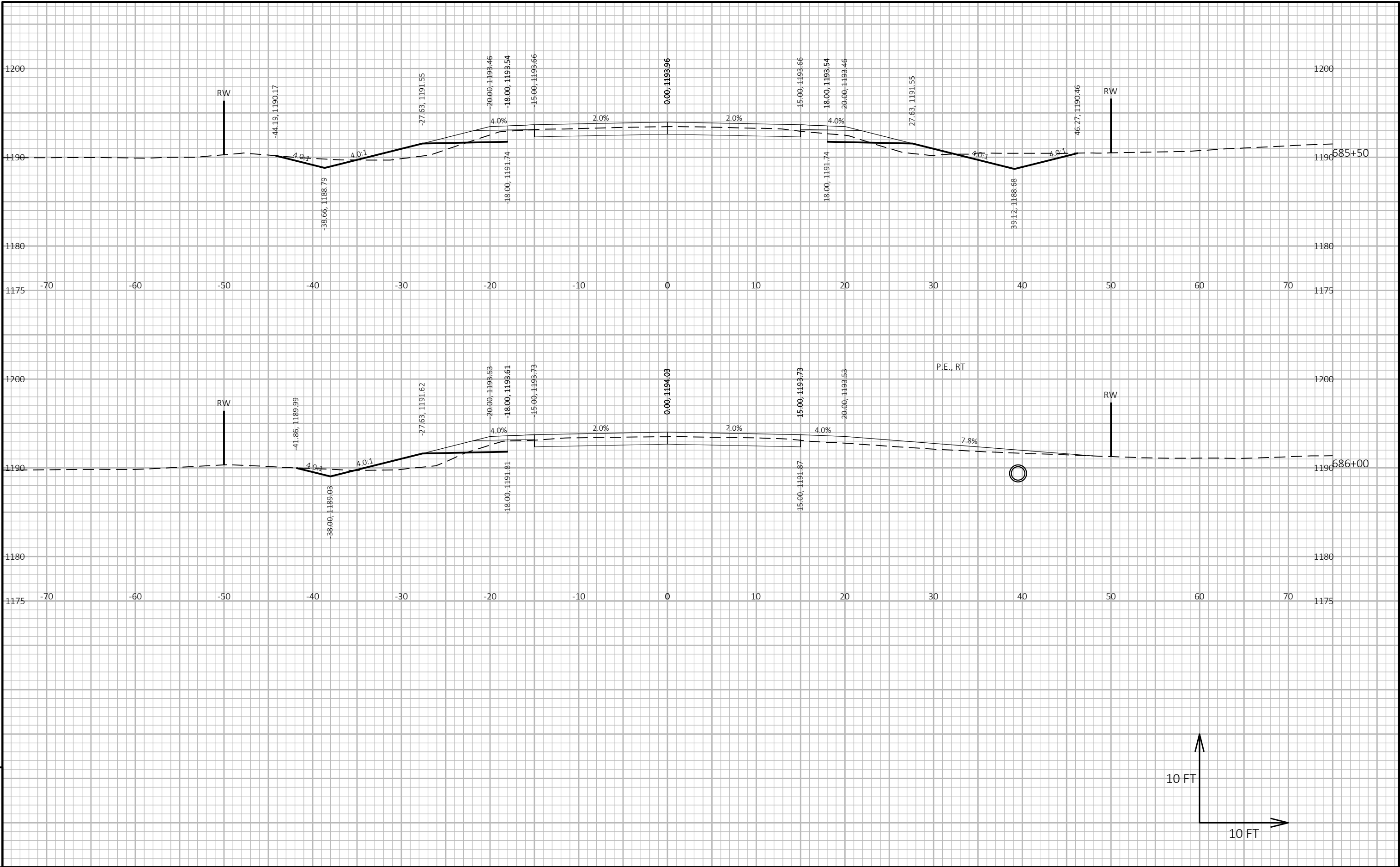


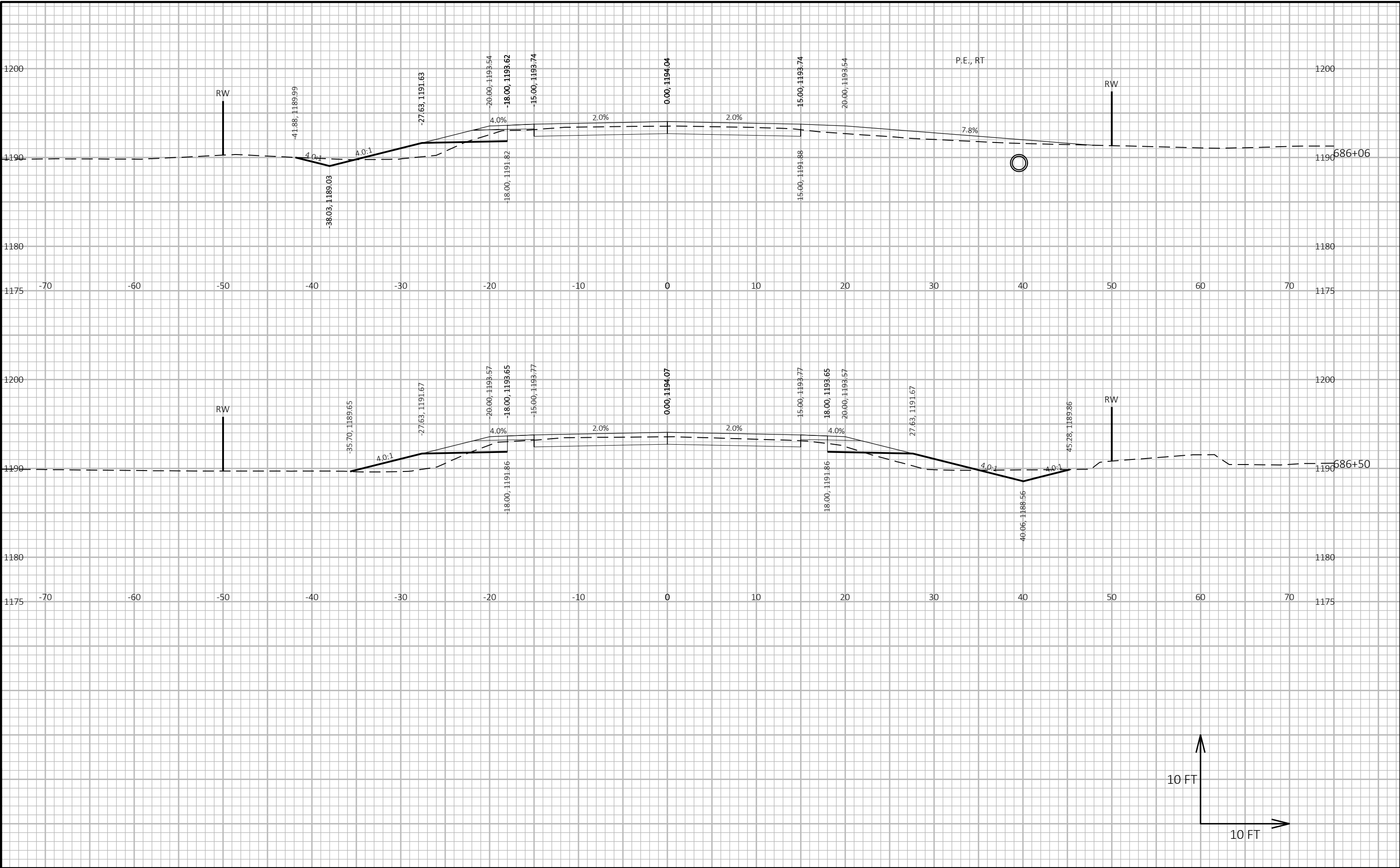


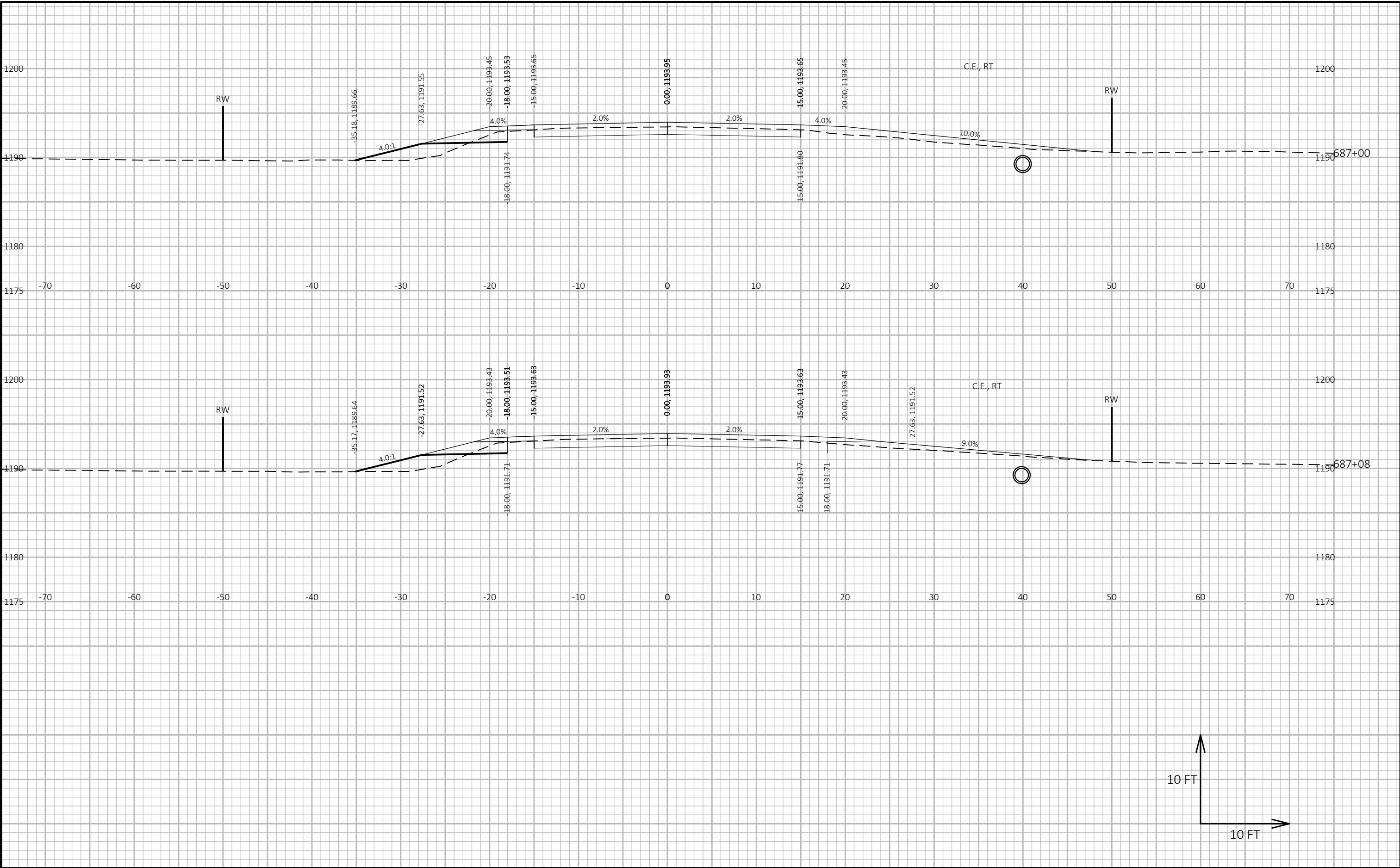


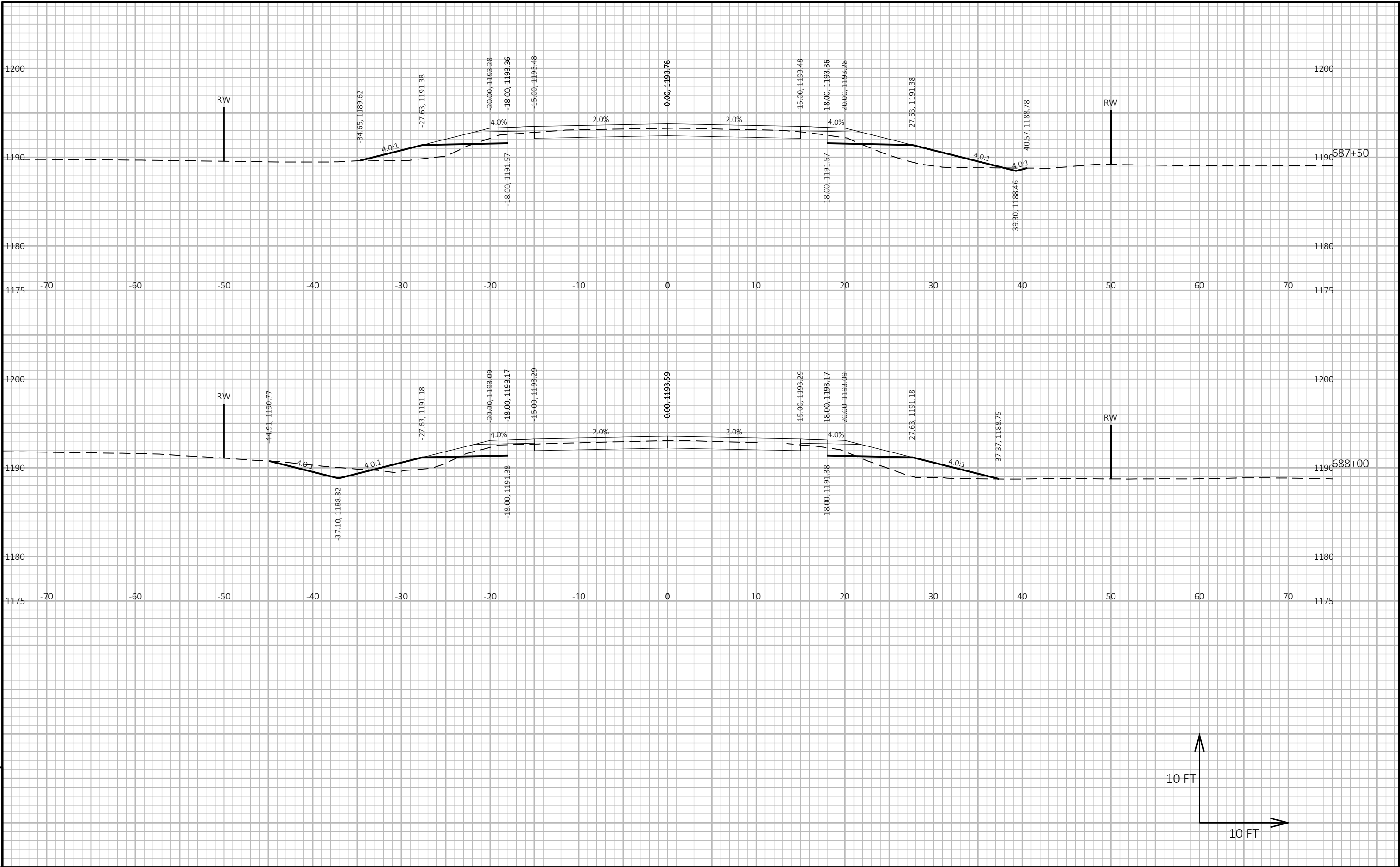


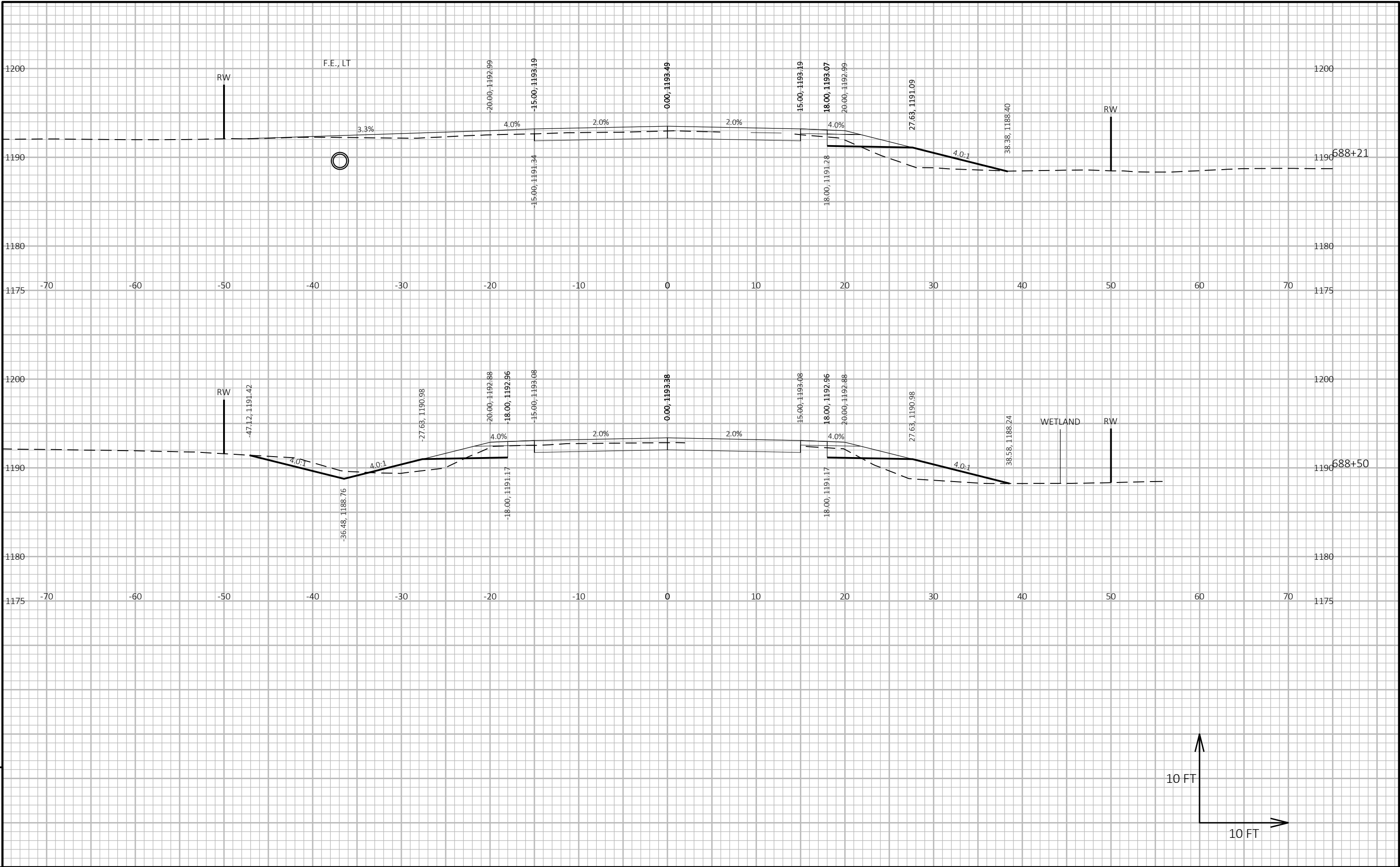


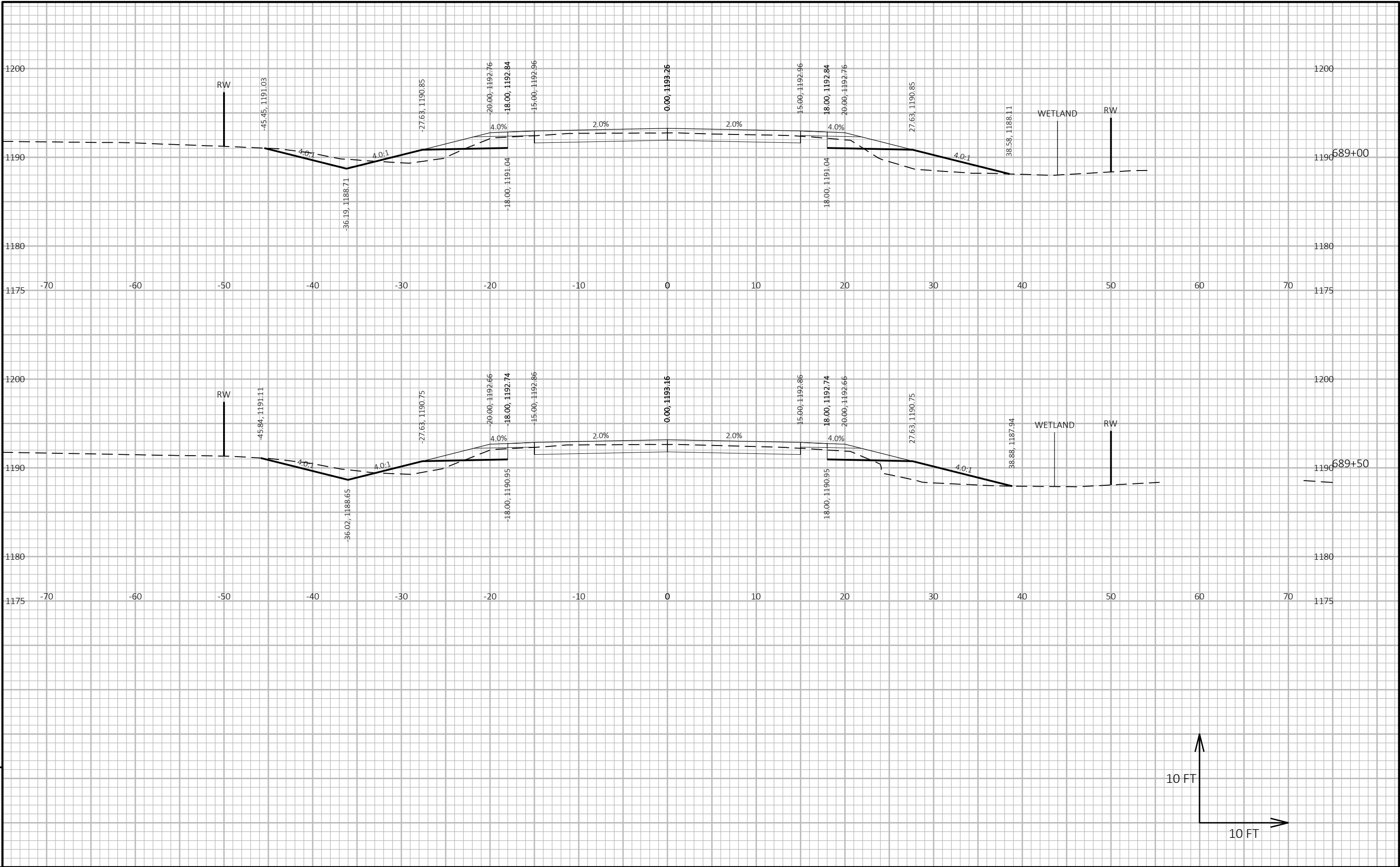


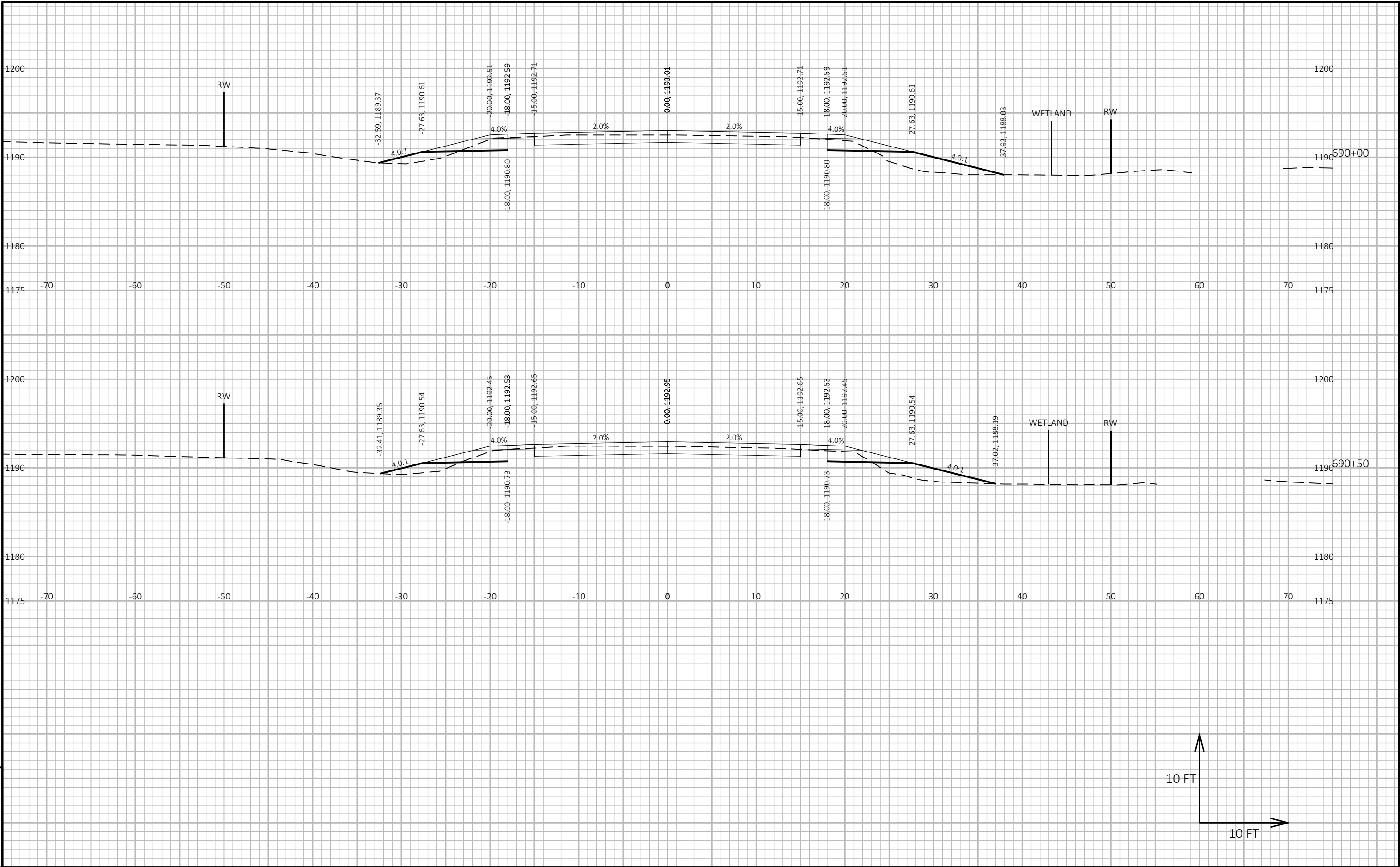


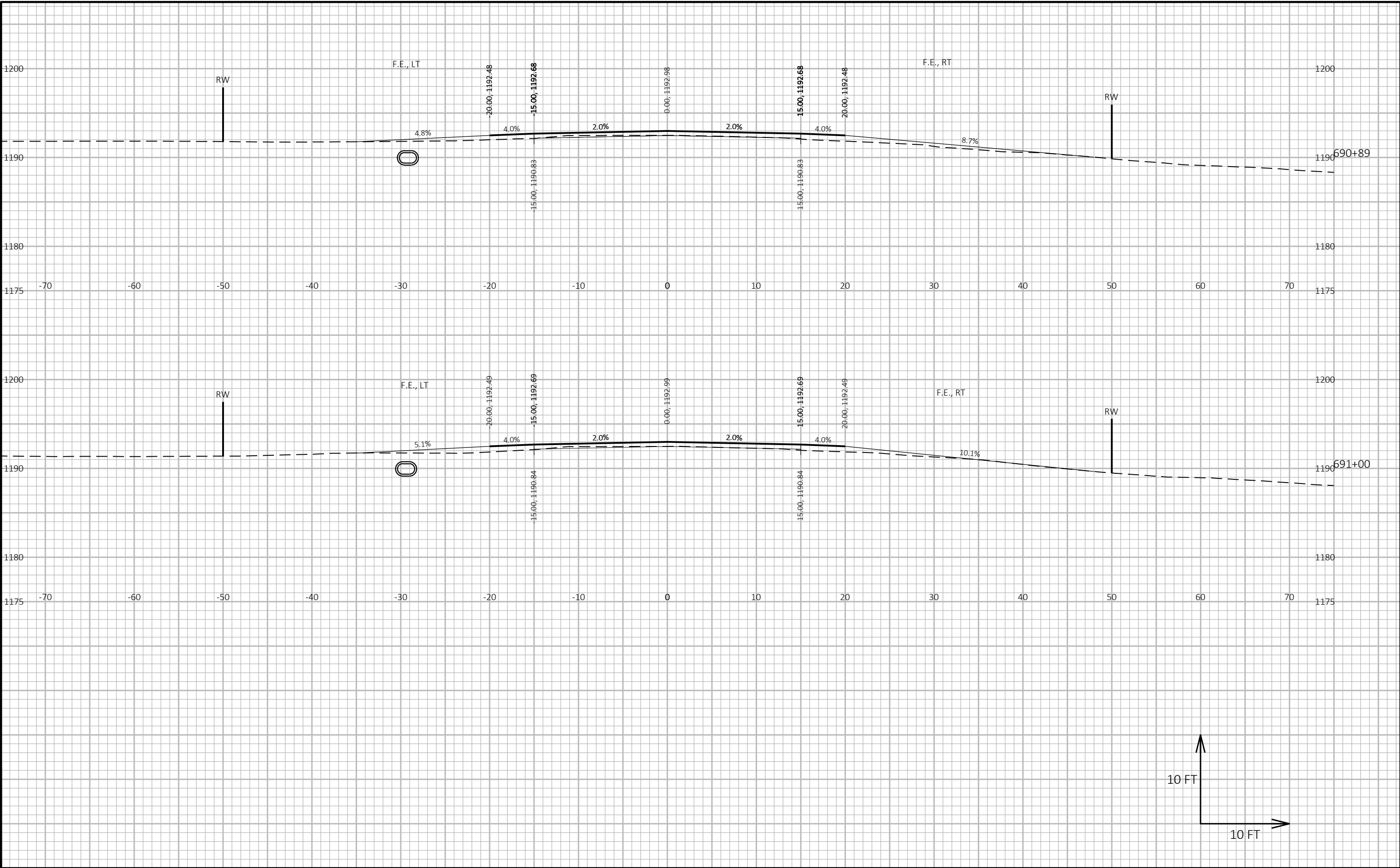








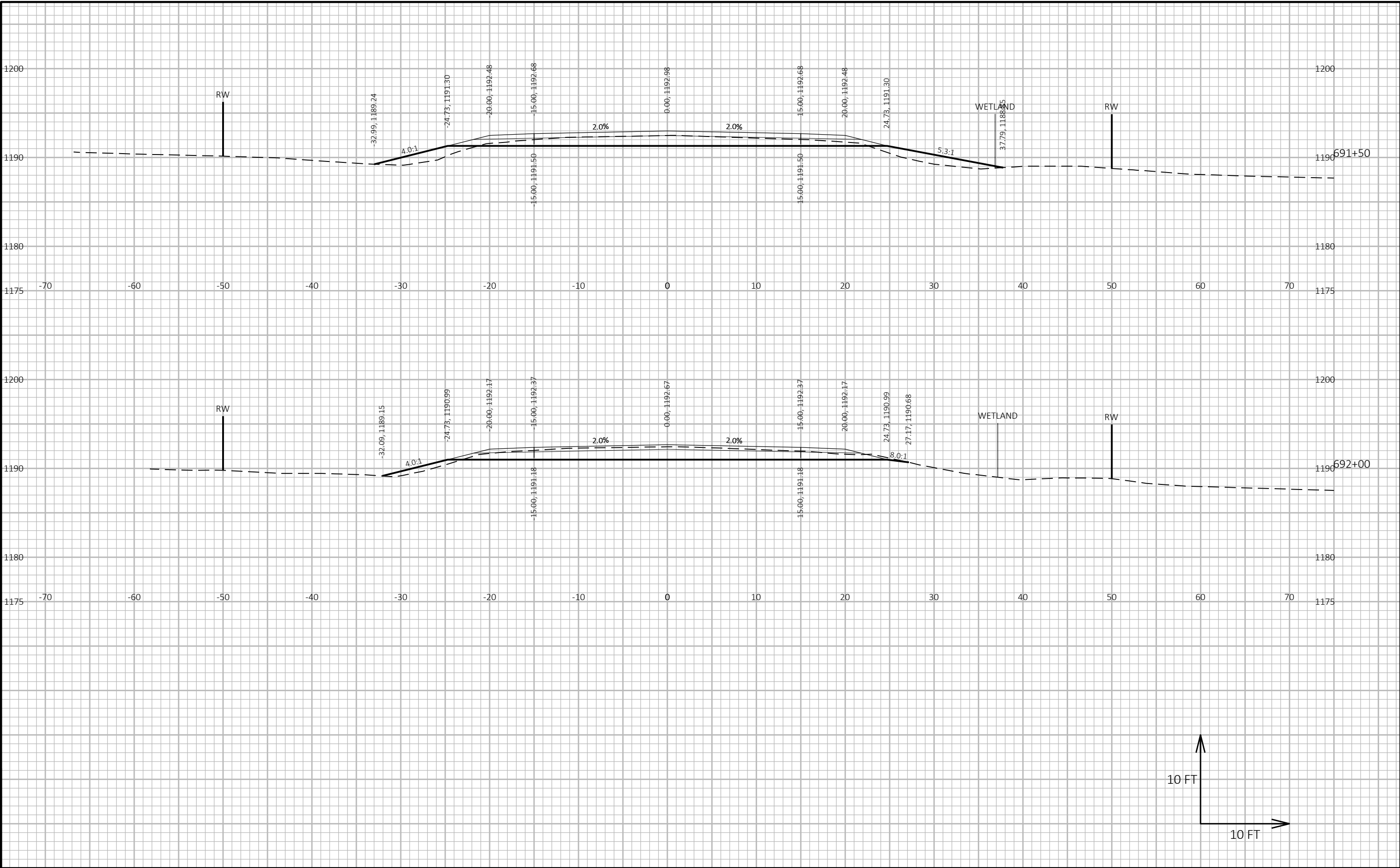




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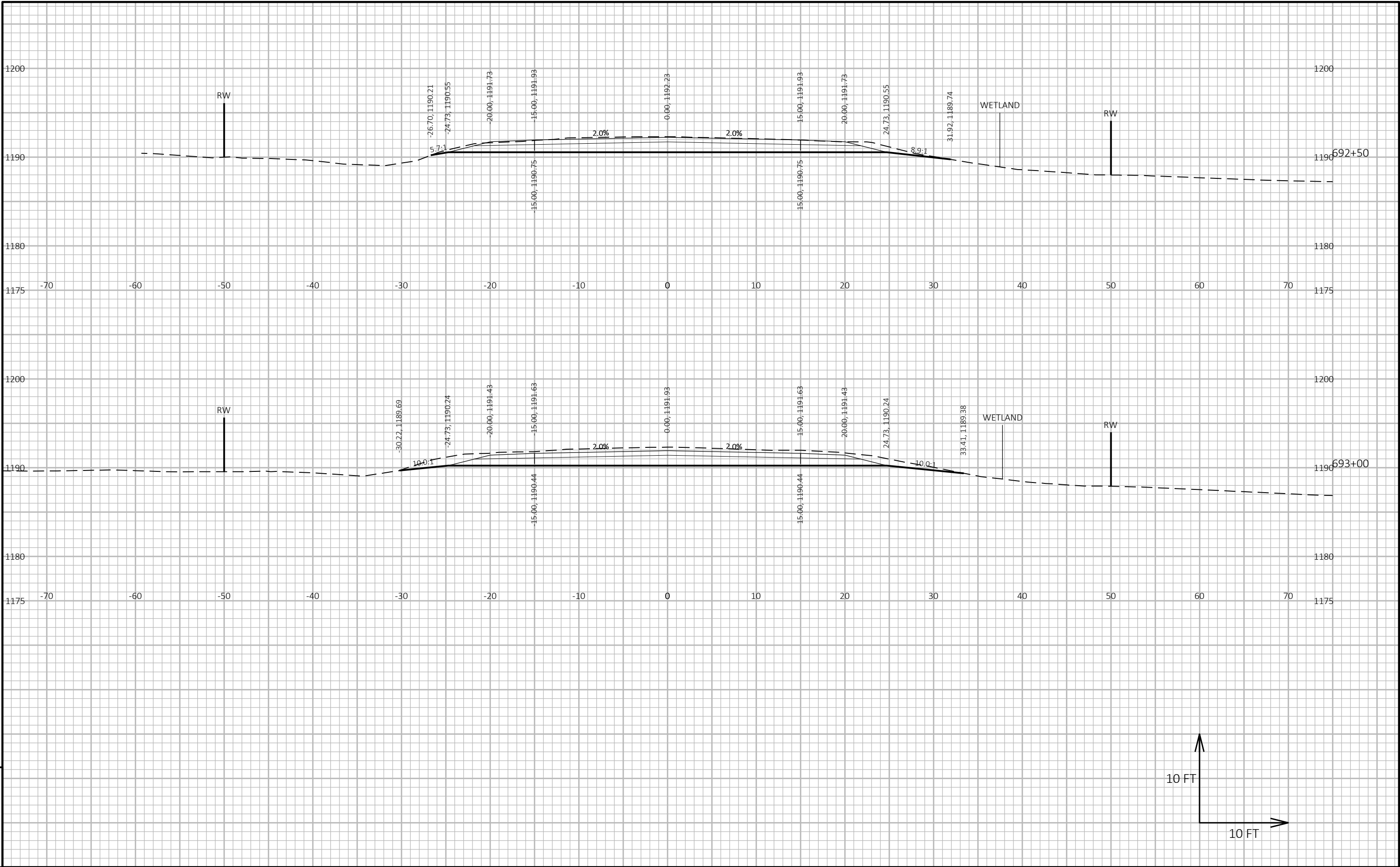
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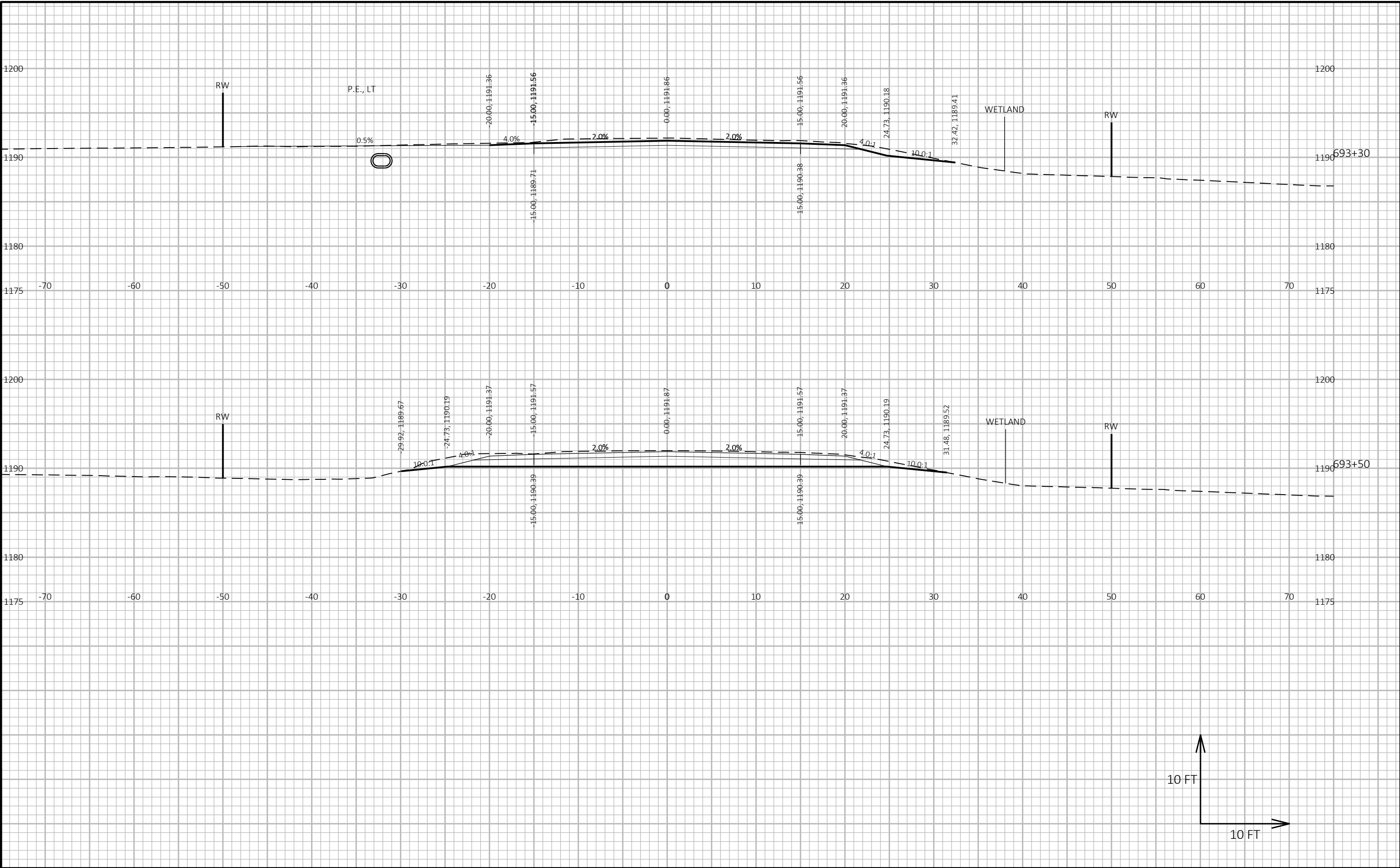
PROJECT NO: 6340-00-74	HWY: STH 13	COUNTY: WOOD/PORTAGE	CROSS SECTIONS: STH 13	SHEET 493	E
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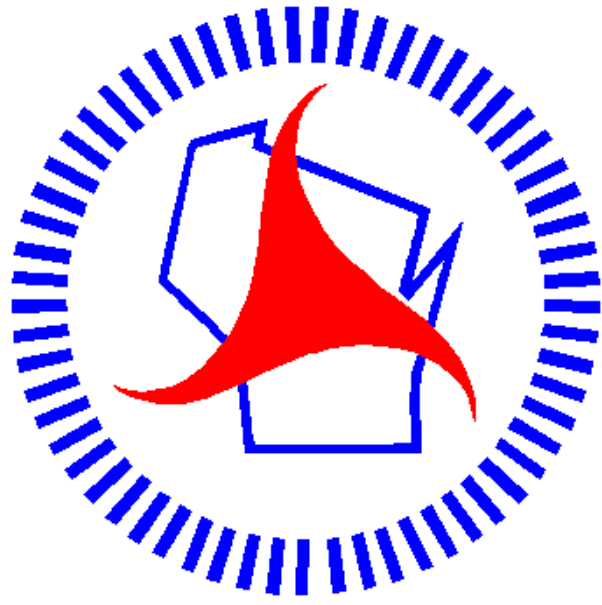




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Notes



Wisconsin Department of Transportation

Dedicated people creating transportation solutions
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<http://www.dot.wisconsin.gov>