



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

J.R. "JOEY" HOPKINS  
SECRETARY

November 14, 2023

**Addendum No. 1**

RE: Contract # C204873

WBS # 44989.3.1

FEDERAL-AID NO. NHP-0095(045)

**Johnston County (I-5972)**

I-95 AND US-70 BUSINESS (MARKET STREET), EXIT 95 INTERCHANGE FROM  
OUTLET CENTER DRIVE TO WEST OF YELVERTON GROVE ROAD.

**November 21, 2023 Letting**

To Whom It May Concern:

Reference is made to the proposal and plans furnished to you on this project.

The following revisions have been made to the Roadway Plans.

Sheet No.	Revision
2A-5	Temporary Pavement Details A & B added.
2G-6 (New)	Sheet for "Geotextile for Soil Stabilization Detail" added.
3B-1	Earthwork revised to reflect quantity updates below.
3B-3	Asphalt Pavement Removal Summary revised to reflect quantity updates below.
3D-3	Drainage Summary revised to reflect quantity updates below.

Please void the above listed Sheets in your Plans and staple the revised Sheets thereto.  
Staple New Sheet 2G-6 after existing Sheet 2G-5 in your plans.

The following revisions have been made to the Cross Section Plans.

Sheet No.	Revision
X1-A, X-1 thru X-37	Cross Sections adjusted to the correct pavement thickness.

Please void the above listed Sheets in your Plans and staple the revised Sheets thereto.

The following revisions have been made to the proposal.

<b>Page No.</b>	<b>Revision</b>
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 11-14-2023".

Please void the above listed existing Page in your proposal and staple the revised Page thereto.

On the item sheets the following pay item revisions have been made:

<b><u>Item</u></b>	<b><u>Description</u></b>	<b><u>Old Quantity</u></b>	<b><u>New Quantity</u></b>
0006-0022000000-E 225	UNCLASSIFIED EXCAVATION	33,360 CY	32,350 CY
0008-0106000000-E 230	BORROW EXCAVATION	170,150 CY	174,010 CY
0010-0156000000-E 250	REMOVAL OF EXISTING ASPHALT PAVEMENT	35,020 SY	35,420 SY
0027-0448400000-E 310	24" RC PIPE CULVERTS, CLASS IV	256 LF	88 LF
0046-1491000000-E 610	ASPHALT CONC BASE COURSE, TYPE B25.0C	30,330 TON	29,660 TON
0047-1503000000-E 610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	15,850 TON	15,380 LF
0048-1523000000-E 610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	9,990 TON	8,760 TON
0050-1575000000-E 620	ASPHALT BINDER FOR PLANT MIX	2,730 TON	2,740 TON
0342-0448500000-E 310	30" RC PIPE CULVERTS, CLASS IV	NEW ITEM	168 LF
0343-1519000000-E 610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	NEW ITEM	2,120 TON

The Contractor's bid must include these pay item revisions.

The electronic bidding file has been updated to reflect these revisions. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:  
  
F81B6038A47A442...

Ronald E. Davenport, Jr., PE  
State Contract Officer

RED/cms  
Attachments

cc: Mr. Boyd Tharrington, PE  
Mr. Keith Eason, PE  
Mr. Ken Kennedy, PE  
Mr. Malcolm Bell  
Project File (2)

Mr. Forrest Dungan, PE  
Ms. Jaci Kincaid  
Mr. Jon Weathersbee, PE

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH, N.C.

PROPOSAL

**INCLUDES ADDENDUM No. 1 DATED 11-14-2023**

DATE AND TIME OF BID OPENING: **Nov 21, 2023 AT 02:00 PM**

CONTRACT ID C204873  
WBS 44989.3.1

FEDERAL-AID NO. NHP-0095(045)  
COUNTY JOHNSTON  
T.I.P NO. I-5972  
MILES 1.031  
ROUTE NO.  
LOCATION I-95 AND US-70 BUSINESS (MARKET STREET), EXIT 95 INTERCHANGE  
FROM OUTLET CENTER DRIVE TO WEST OF YELVERTON GROVE ROAD.

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND STRUCTURES.

**NOTICE:**

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

**BIDS WILL BE RECEIVED AS SHOWN BELOW:**

**THIS IS A ROADWAY & STRUCTURE PROPOSAL**

**5% BID BOND OR BID DEPOSIT REQUIRED**

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County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>ROADWAY ITEMS</b>						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0004	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUBBING	2 ACR		
0005	0015000000-N	205	SEALING ABANDONED WELLS	1 EA		
0006	0022000000-E	225	UNCLASSIFIED EXCAVATION	32,350 CY		
0007	0036000000-E	225	UNDERCUT EXCAVATION	3,319 CY		
0008	0106000000-E	230	BORROW EXCAVATION	174,010 CY		
0009	0134000000-E	240	DRAINAGE DITCH EXCAVATION	6,790 CY		
0010	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	35,420 SY		
0011	0192000000-N	260	PROOF ROLLING	10 HR		
0012	0195000000-E	265	SELECT GRANULAR MATERIAL	14,300 CY		
0013	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	50,300 SY		
0014	0199000000-E	SP	TEMPORARY SHORING	4,400 SF		
0015	0222000000-E	SP	GEOTEXTILE FOR ROCK EMBANKMENTS	2,500 SY		
0016	0248000000-N	SP	GENERIC GRADING ITEM TYPE 2 BRIDGE APPROACH FILL, STATION 36+93.50 -Y1-	Lump Sum	L.S.	
0017	0255000000-E	SP	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	160 TON		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	410 TON		
0019	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	1,290 SY		
0020	0335850000-E	305	*** DRAINAGE PIPE ELBOWS (15")	12 EA		
0021	0343000000-E	310	15" SIDE DRAIN PIPE	268 LF		
0022	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	812 LF		
0023	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	264 LF		
0024	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	312 LF		
0025	0384000000-E	310	30" RC PIPE CULVERTS, CLASS III	296 LF		
0026	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	904 LF		
0027	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	88 LF		
0028	0448700000-E	310	42" RC PIPE CULVERTS, CLASS IV	100 LF		
0029	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	632 LF		
0030	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (30" , 0.500" )	96 LF		
0031	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (36" , 0.500")	96 LF		
0032	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42" , 0.625")	126 LF		
0033	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (54" , 0.750")	514 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0034	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (30", 0.500")	96 LF		
0035	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (36", 0.500")	96 LF		
0036	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")	126 LF		
0037	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (54", 0.750")	514 LF		
0038	0995000000-E	340	PIPE REMOVAL	1,566 LF		
0039	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0040	1077000000-E	SP	#57 STONE	1,300 TON		
0041	1099500000-E	505	SHALLOW UNDERCUT	10,300 CY		
0042	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	22,600 TON		
0043	1220000000-E	545	INCIDENTAL STONE BASE	500 TON		
0044	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (2-1/4")	30,550 SY		
0045	1330000000-E	607	INCIDENTAL MILLING	1,250 SY		
0046	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	29,660 TON		
0047	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	15,380 TON		
0048	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	8,760 TON		
0049	1524200000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	9,060 TON		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0050	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	2,740 TON		
0051	1577000000-E	620	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	645 TON		
0052	1662000000-E	650	OPEN-GRADED ASPHALT FRICTION COURSE, TYPE FC-1 MODIFIED	1,880 TON		
0053	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	220 TON		
0054	1840000000-E	665	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	9,820 LF		
0055	2022000000-E	815	SUBDRAIN EXCAVATION	4,980 CY		
0056	2026000000-E	815	GEOTEXTILE FOR SUBSURFACE DRAINS	14,800 SY		
0057	2036000000-E	815	SUBDRAIN COARSE AGGREGATE	2,490 CY		
0058	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	14,800 LF		
0059	2070000000-N	815	SUBDRAIN PIPE OUTLET	30 EA		
0060	2077000000-E	815	6" OUTLET PIPE	180 LF		
0061	2209000000-E	838	ENDWALLS	15.5 CY		
0062	2220000000-E	838	REINFORCED ENDWALLS	29.2 CY		
0063	2253000000-E	840	PIPE COLLARS	0.4 CY		
0064	2264000000-E	840	PIPE PLUGS	2 CY		
0065	2275000000-E	SP	FLOWABLE FILL	166 CY		
0066	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	31 EA		



County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0067	2297000000-E	840	MASONRY DRAINAGE STRUCTURES	5.1 CY		
0068	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	13.6 LF		
0069	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	2 EA		
0070	2365000000-N	840	FRAME WITH TWO GRATES, STD 840.22	7 EA		
0071	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	2 EA		
0072	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	1 EA		
0073	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	7 EA		
0074	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	6 EA		
0075	2396000000-N	840	FRAME WITH COVER, STD 840.54	5 EA		
0076	2407000000-N	840	STEEL FRAME WITH TWO GRATES, STD 840.37	2 EA		
0077	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	2 EA		
0078	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	2,760 LF		
0079	2556000000-E	846	SHOULDER BERM GUTTER	35 LF		
0080	2591000000-E	848	4" CONCRETE SIDEWALK	1,020 SY		
0081	2605000000-N	848	CONCRETE CURB RAMPS	11 EA		
0082	2612000000-E	848	6" CONCRETE DRIVEWAY	100 SY		
0083	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,580 SY		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0084	2800000000-N	858	ADJUSTMENT OF CATCH BASINS	2 EA		
0085	2815000000-N	858	ADJUSTMENT OF DROP INLETS	1 EA		
0086	2830000000-N	858	ADJUSTMENT OF MANHOLES	2 EA		
0087	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	1 EA		
0088	3030000000-E	862	STEEL BEAM GUARDRAIL	1,300 LF		
0089	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	10 EA		
0090	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	2 EA		
0091	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	1 EA		
0092	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	4 EA		
0093	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	5 EA		
0094	3317000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE B-77	4 EA		
0095	3360000000-E	863	REMOVE EXISTING GUARDRAIL	3,180 LF		
0096	3503000000-E	866	WOVEN WIRE FENCE, 47" FABRIC	2,890 LF		
0097	3509000000-E	866	4" TIMBER FENCE POSTS, 7'-6" LONG	174 EA		
0098	3515000000-E	866	5" TIMBER FENCE POSTS, 8'-0" LONG	60 EA		
0099	3628000000-E	876	RIP RAP, CLASS I	520 TON		
0100	3635000000-E	876	RIP RAP, CLASS II	2,400 TON		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0101	3642000000-E	876	RIP RAP, CLASS A	700 TON		
0102	3649000000-E	876	RIP RAP, CLASS B	175 TON		
0103	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	2,825 SY		
0104	4048000000-E	902	REINFORCED CONCRETE SIGN FOUNDATIONS	11 CY		
0105	4054000000-E	902	PLAIN CONCRETE SIGN FOUNDATIONS	2 CY		
0106	4057000000-E	SP	OVERHEAD FOOTING	24 CY		
0107	4060000000-E	903	SUPPORTS, BREAKAWAY STEEL BEAM	14,397 LB		
0108	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	1,113 LF		
0109	4082100000-N	906	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (23+00 -RPB- )	Lump Sum	L.S.	
0110	4096000000-N	904	SIGN ERECTION, TYPE D	2 EA		
0111	4102000000-N	904	SIGN ERECTION, TYPE E	43 EA		
0112	4108000000-N	904	SIGN ERECTION, TYPE F	10 EA		
0113	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	15 EA		
0114	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (B)	6 EA		
0115	4114000000-N	904	SIGN ERECTION, MILEMARKERS	4 EA		
0116	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (A)	8 EA		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0117	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	1 EA		
0118	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)	5 EA		
0119	4138000000-N	907	DISPOSAL OF SUPPORT, STEEL BEAM	8 EA		
0120	4149000000-N	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1 EA		
0121	4152000000-N	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	8 EA		
0122	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U- CHANNEL	91 EA		
0123	4158000000-N	907	DISPOSAL OF SIGN SYSTEM, WOOD	1 EA		
0124	4192000000-N	907	DISPOSAL OF SUPPORT, U-CHANNEL	6 EA		
0125	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	184 SF		
0126	4402000000-E	SP	HIGH VISIBILITY STATIONARY SIGNS	606 SF		
0127	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	311 SF		
0128	4407000000-E	SP	HIGH VISIBILITY PORTABLE SIGNS	586 SF		
0129	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	76 SF		
0130	4415000000-N	1115	FLASHING ARROW BOARD	4 EA		
0131	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	4 EA		
0132	4423000000-N	SP	WORK ZONE DIGITAL SPEED LIMIT SIGNS	6 EA		
0133	4424000000-N	SP	WORK ZONE PRESENCE LIGHTING	22 EA		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0134	4430000000-N	1130	DRUMS	50 EA		
0135	4432000000-N	SP	HIGH VISIBILITY DRUMS	165 EA		
0136	4434000000-N	SP	SEQUENTIAL FLASHING WARNING LIGHTS	24 EA		
0137	4445000000-E	1145	BARRICADES (TYPE III)	280 LF		
0138	4447000000-E	SP	PEDESTRIAN CHANNELIZING DEVICES	32 LF		
0139	4455000000-N	1150	FLAGGER	600 DAY		
0140	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	16 EA		
0141	4470000000-N	1160	REMOVE & RESET TEMPORARY CRASH CUSHION	17 EA		
0142	4480000000-N	1165	TMA	2 EA		
0143	4485000000-E	1170	PORTABLE CONCRETE BARRIER	14,260 LF		
0144	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	310 LF		
0145	4500000000-E	1170	REMOVE AND RESET PORTABLE CONCRETE BARRIER	19,660 LF		
0146	4510000000-N	1190	LAW ENFORCEMENT	520 HR		
0147	4516000000-N	1180	SKINNY DRUM	19 EA		
0148	4520000000-N	1266	TUBULAR MARKERS (FIXED)	30 EA		
0149	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	1,641 EA		
0150	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	13,100 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0151	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	49,239 LF		
0152	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	278 LF		
0153	4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	2,753 LF		
0154	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	298 LF		
0155	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	16 EA		
0156	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	95 EA		
0157	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	1,080 LF		
0158	4775000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (III)	1,024 LF		
0159	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	107,763 LF		
0160	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	6,199 LF		
0161	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	1,628 LF		
0162	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	64 EA		
0163	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	338 EA		
0164	4847500000-E	SP	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 6"	87,377 LF		
0165	4847600000-E	SP	WORK ZONE PERFORMANCE PAVEMENT MARKING LINES, 12"	7,871 LF		
0166	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	28,560 LF		
0167	4855000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (6")	58,629 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0168	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	1,102 LF		
0169	4865000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (12")	4,280 LF		
0170	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	234 LF		
0171	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	56 EA		
0172	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	7 EA		
0173	4905100000-N	SP	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	572 EA		
0174	5010000000-E	1401	100' HIGH MOUNT STANDARD	4 EA		
0175	5015000000-E	1401	120' HIGH MOUNT STANDARD	2 EA		
0176	5020000000-N	1401	PORTABLE DRIVE UNIT	1 EA		
0177	5025000000-E	SP	HIGH MOUNT FOUNDATIONS	51 CY		
0178	5030000000-N	SP	HIGH MOUNT LUMINAIRES ***** (560W LED)	40 EA		
0179	5050000000-N	1404	LIGHT STANDARDS, TYPE MTLT ***** (45' SA, 15' ARM)	12 EA		
0180	5070000000-N	SP	STANDARD FOUNDATION ***** (TYPE R1)	10 EA		
0181	5070000000-N	SP	STANDARD FOUNDATION ***** (TYPE R2)	2 EA		
0182	5080000000-N	SP	LIGHT STANDARD LUMINAIRES, TYPE ***** (RDW, 285W LED)	12 EA		
0183	5120000000-N	1407	ELECTRIC SERVICE POLE ***** (30' CLASS 4)	1 EA		
0184	5125000000-E	1407	ELECTRIC SERVICE LATERAL ***** (3 1/0 USE)	25 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0185	5145000000-N	1408	LIGHT CONTROL EQUIPMENT, TYPE RW ***** (240/480 V)	1 EA		
0186	5155000000-E	1409	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	520 LF		
0187	5160000000-E	1409	ELECTRICAL DUCT, TYPE JA, SIZE ***** (3")	530 LF		
0188	5160000000-E	1409	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")	350 LF		
0189	5175000000-E	1410	** #6 W/G FEEDER CIRCUIT (2)	270 LF		
0190	5180000000-E	1410	** #4 W/G FEEDER CIRCUIT (2)	1,250 LF		
0191	5210000000-E	1410	** #6 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2)	700 LF		
0192	5215000000-E	1410	** #4 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2)	10,100 LF		
0193	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (CS36)	1 EA		
0194	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (HM18)	5 EA		
0195	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (HM36)	1 EA		
0196	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG18)	15 EA		
0197	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG30)	3 EA		
0198	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (IG36)	1 EA		



Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0199	5240000000-N	1411	ELECTRICAL JUNCTION BOXES ***** (LS18)	12 EA		
0200	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0201	5325600000-E	1510	6" WATER LINE	61 LF		
0202	5325800000-E	1510	8" WATER LINE	2,169 LF		
0203	5326200000-E	1510	12" WATER LINE	2,123 LF		
0204	5326600000-E	1510	16" WATER LINE	349 LF		
0205	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	4,980 LB		
0206	5540000000-E	1515	6" VALVE	3 EA		
0207	5546000000-E	1515	8" VALVE	4 EA		
0208	5558000000-E	1515	12" VALVE	2 EA		
0209	5571600000-E	1515	6" TAPPING SLEEVE & VALVE	1 EA		
0210	5571800000-E	1515	8" TAPPING SLEEVE & VALVE	2 EA		
0211	5643100000-E	1515	3/4" WATER METER	1 EA		
0212	5648000000-N	1515	RELOCATE WATER METER	4 EA		
0213	5649000000-N	1515	RECONNECT WATER METER	2 EA		
0214	5666000000-N	1515	FIRE HYDRANT	4 EA		
0215	5673000000-E	1515	FIRE HYDRANT LEG	46 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0216	5686000000-E	1515	*** WATER SERVICE LINE (2")	360 LF		
0217	5686500000-E	1515	WATER SERVICE LINE	176 LF		
0218	5768000000-N	1520	SANITARY SEWER CLEAN-OUT	2 EA		
0219	5768500000-E	1520	SEWER SERVICE LINE	54 LF		
0220	5769000000-E	1520	DUCTILE IRON SEWER PIPE FITTINGS	25 LB		
0221	5775000000-E	1525	4' DIA UTILITY MANHOLE	1 EA		
0222	5798000000-E	1530	ABANDON *** UTILITY PIPE (2")	363 LF		
0223	5800000000-E	1530	ABANDON 6" UTILITY PIPE	112 LF		
0224	5801000000-E	1530	ABANDON 8" UTILITY PIPE	1,064 LF		
0225	5815000000-N	1530	REMOVE WATER METER	1 EA		
0226	5815500000-N	1530	REMOVE FIRE HYDRANT	2 EA		
0227	5816000000-N	1530	ABANDON UTILITY MANHOLE	1 EA		
0228	5835700000-E	1540	16" ENCASEMENT PIPE	553 LF		
0229	5836000000-E	1540	24" ENCASEMENT PIPE	127 LF		
0230	5872500000-E	1550	BORE AND JACK OF *** (16")	553 LF		
0231	5872500000-E	1550	BORE AND JACK OF *** (24")	127 LF		
0232	5872600000-E	1550	DIRECTIONAL DRILLING OF *** (16")	349 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0233	6000000000-E	1605	TEMPORARY SILT FENCE	74,525 LF		
0234	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	500 TON		
0235	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	1,855 TON		
0236	6012000000-E	1610	SEDIMENT CONTROL STONE	575 TON		
0237	6015000000-E	1615	TEMPORARY MULCHING	117.5 ACR		
0238	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	4,500 LB		
0239	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	23.5 TON		
0240	6024000000-E	1622	TEMPORARY SLOPE DRAINS	1,960 LF		
0241	6029000000-E	SP	SAFETY FENCE	4,680 LF		
0242	6030000000-E	1630	SILT EXCAVATION	14,250 CY		
0243	6036000000-E	1631	MATTING FOR EROSION CONTROL	56,335 SY		
0244	6037000000-E	SP	COIR FIBER MAT	255 SY		
0245	6042000000-E	1632	1/4" HARDWARE CLOTH	285 LF		
0246	6043000000-E	SP	LOW PERMEABILITY GEOTEXTILE	330 SY		
0247	6069000000-E	1638	STILLING BASINS	96 CY		
0248	6071012000-E	SP	COIR FIBER WATTLE	3,600 LF		
0249	6071020000-E	SP	POLYACRYLAMIDE (PAM)	3,400 LB		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0250	6071030000-E	1640	COIR FIBER BAFFLE	3,160 LF		
0251	6071050000-E	SP	*** SKIMMER (1-1/2")	14 EA		
0252	6071050000-E	SP	*** SKIMMER (2")	3 EA		
0253	6084000000-E	1660	SEEDING & MULCHING	69 ACR		
0254	6087000000-E	1660	MOWING	81 ACR		
0255	6090000000-E	1661	SEED FOR REPAIR SEEDING	1,200 LB		
0256	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	3.5 TON		
0257	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	1,700 LB		
0258	6108000000-E	1665	FERTILIZER TOPDRESSING	50.5 TON		
0259	6111000000-E	SP	IMPERVIOUS DIKE	40 LF		
0260	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0261	6114800000-N	SP	MANUAL LITTER REMOVAL	45 MHR		
0262	6114900000-E	SP	LITTER DISPOSAL	2 TON		
0263	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	150 EA		
0264	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	8 EA		
0265	6120000000-E	SP	CULVERT DIVERSION CHANNEL	338 CY		
0266	6123000000-E	1670	REFORESTATION	0.1 ACR		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0267	7060000000-E	1705	SIGNAL CABLE	3,370 LF		
0268	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	18 EA		
0269	7132000000-E	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	5 EA		
0270	7252000000-E	1710	MESSENGER CABLE (1/4")	600 LF		
0271	7264000000-E	1710	MESSENGER CABLE (3/8")	1,450 LF		
0272	7279000000-E	1715	TRACER WIRE	1,530 LF		
0273	7300000000-E	1715	UNPAVED TRENCHING (***** (1, 2")	1,205 LF		
0274	7300000000-E	1715	UNPAVED TRENCHING (***** (2, 2")	300 LF		
0275	7301000000-E	1715	DIRECTIONAL DRILL (***** (1, 2")	610 LF		
0276	7301000000-E	1715	DIRECTIONAL DRILL (***** (2, 2")	230 LF		
0277	7312000000-N	1716	JUNCTION BOX (***** (SPECIAL OVER-SIZED, HEAVY DUTY, 36" X 24" X 24")	2 EA		
0278	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	8 EA		
0279	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	7 EA		
0280	7360000000-N	1720	WOOD POLE	5 EA		
0281	7372000000-N	1721	GUY ASSEMBLY	13 EA		
0282	7420000000-E	1722	2" RISER WITH WEATHERHEAD	2 EA		
0283	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	1,760 LF		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0284	7456000000-E	1726	LEAD-IN CABLE (***** (14-2)	3,200 LF		
0285	7481000000-N	SP	SITE SURVEY	1 EA		
0286	7481240000-N	SP	CAMERA WITHOUT INTERNAL LOOP EMULATOR PROCESSING UNIT	3 EA		
0287	7481260000-N	SP	EXTERNAL LOOP EMULATOR PROCESSING UNIT	1 EA		
0288	7516000000-E	1730	COMMUNICATIONS CABLE (** FIBER) (24)	3,450 LF		
0289	7528000000-E	1730	DROP CABLE	920 LF		
0290	7540000000-N	1731	SPLICE ENCLOSURE	2 EA		
0291	7541000000-N	1731	MODIFY SPLICE ENCLOSURE	3 EA		
0292	7552000000-N	1731	INTERCONNECT CENTER	3 EA		
0293	7566000000-N	1733	DELINEATOR MARKER	16 EA		
0294	7575160000-E	1734	REMOVE EXISTING COMMUNICATIONS CABLE	645 LF		
0295	7576000000-N	SP	METAL STRAIN SIGNAL POLE	8 EA		
0296	7613000000-N	SP	SOIL TEST	8 EA		
0297	7614100000-E	SP	DRILLED PIER FOUNDATION	64 CY		
0298	7636000000-N	1745	SIGN FOR SIGNALS	7 EA		
0299	7684000000-N	1750	SIGNAL CABINET FOUNDATION	2 EA		
0300	7696000000-N	1751	CONTROLLERS WITH CABINET (***** (TYPE 2070LX, BASE MOUNTED)	2 EA		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0301	7744000000-N	1751	DETECTOR CARD (TYPE 170)	10 EA		
0302	7901000000-N	1753	CABINET BASE EXTENDER	2 EA		
0303	7980000000-N	SP	GENERIC SIGNAL ITEM 5/8"X10' GROUNDING ELECTRODE	3 EA		
0304	7980000000-N	SP	GENERIC SIGNAL ITEM CCTV WOOD POLE	1 EA		
0305	7980000000-N	SP	GENERIC SIGNAL ITEM DIGITAL CCTV CAMERA ASSEMBLY	1 EA		
0306	7980000000-N	SP	GENERIC SIGNAL ITEM EQUIPMENT CABINET DISCONNECT	1 EA		
0307	7980000000-N	SP	GENERIC SIGNAL ITEM ETHERNET EDGE SWITCH	2 EA		
0308	7980000000-N	SP	GENERIC SIGNAL ITEM FIELD EQUIPMENT CABINET	1 EA		
0309	7980000000-N	SP	GENERIC SIGNAL ITEM LUMINAIRE ARM FOR TEMPORARY VIDEO SYSTEM	1 EA		
0310	7980000000-N	SP	GENERIC SIGNAL ITEM METER BASE/DISCONNECT COMBINATION PANEL	1 EA		
0311	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR STRAIN POLE (BLACK)	8 EA		
0312	7980000000-N	SP	GENERIC SIGNAL ITEM RELOCATE TEMPORARY CAMERA SENSOR	6 EA		
0313	7990000000-E	SP	GENERIC SIGNAL ITEM #4 SOLID BARE GROUNDING CONDUCTOR	30 LF		
0314	7990000000-E	SP	GENERIC SIGNAL ITEM 3-WIRE COPPER FEEDER CONDUCTORS	600 LF		
0342	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	168 LF		
0343	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	2,120 TON		

County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
<b>CULVERT ITEMS</b>						
0315	812600000-N	414	CULVERT EXCAVATION, STA ***** (17+30.70 -Y2-)	Lump Sum	L.S.	
0316	813300000-E	414	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	102 TON		
0317	819600000-E	420	CLASS A CONCRETE (CULVERT)	145.6 CY		
0318	824500000-E	425	REINFORCING STEEL (CULVERT)	19,835 LB		
<b>WALL ITEMS</b>						
0319	880100000-E	SP	MSE RETAINING WALL NO **** (1)	5,933 SF		
0320	880100000-E	SP	MSE RETAINING WALL NO **** (2)	5,209 SF		
0321	884700000-E	SP	GENERIC RETAINING WALL ITEM ARCHITECTURAL CONCRETE SURFACE TREATMENT	11,142 SF		
<b>STRUCTURE ITEMS</b>						
0322	803500000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (36+93.50 -Y1-)	Lump Sum	L.S.	
0323	806500000-N	SP	ASBESTOS ASSESSMENT	Lump Sum	L.S.	
0324	809100000-N	410	FOUNDATION EXCAVATION FOR BENT ** AT STATION ***** (1, 36+93.50 -Y1-)	Lump Sum	L.S.	
0325	8112730000-N	450	PDA TESTING	1 EA		
0326	814700000-E	420	REINFORCED CONCRETE DECK SLAB	19,441 SF		
0327	816100000-E	420	GROOVING BRIDGE FLOORS	20,634 SF		
0328	818200000-E	420	CLASS A CONCRETE (BRIDGE)	452.5 CY		
0329	821000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (36+93.50 -Y1-)	Lump Sum	L.S.	



County: JOHNSTON

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0330	8217000000-E	425	REINFORCING STEEL (BRIDGE)	65,182 LB		
0331	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	2,613 LB		
0332	8265000000-E	430	54" PRESTRESSED CONCRETE GIRDERS	2,366.38 LF		
0333	8328200000-E	450	PILE DRIVING EQUIPMENT SETUP FOR *** STEEL PILES (HP 12 X 53)	78 EA		
0334	8364000000-E	450	HP 12 X 53 STEEL PILES	3,645 LF		
0335	8391000000-N	450	STEEL PILE POINTS	15 EA		
0336	8475000000-E	460	TWO BAR METAL RAIL	420.89 LF		
0337	8517000000-E	460	1'-***" X *****" CONCRETE PARAPET (1'-2" X 2'-6")	225.74 LF		
0338	8517000000-E	460	1'-***" X *****" CONCRETE PARAPET (1'-2" X 3'-2 3/4")	218.24 LF		
0339	8531000000-E	462	4" SLOPE PROTECTION	89 SY		
0340	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0341	8860000000-N	SP	GENERIC STRUCTURE ITEM STRIP SEAL EXPANSION JOINTS	Lump Sum	L.S.	

1328/Nov09/Q1343811.25/D1602087902000/E343

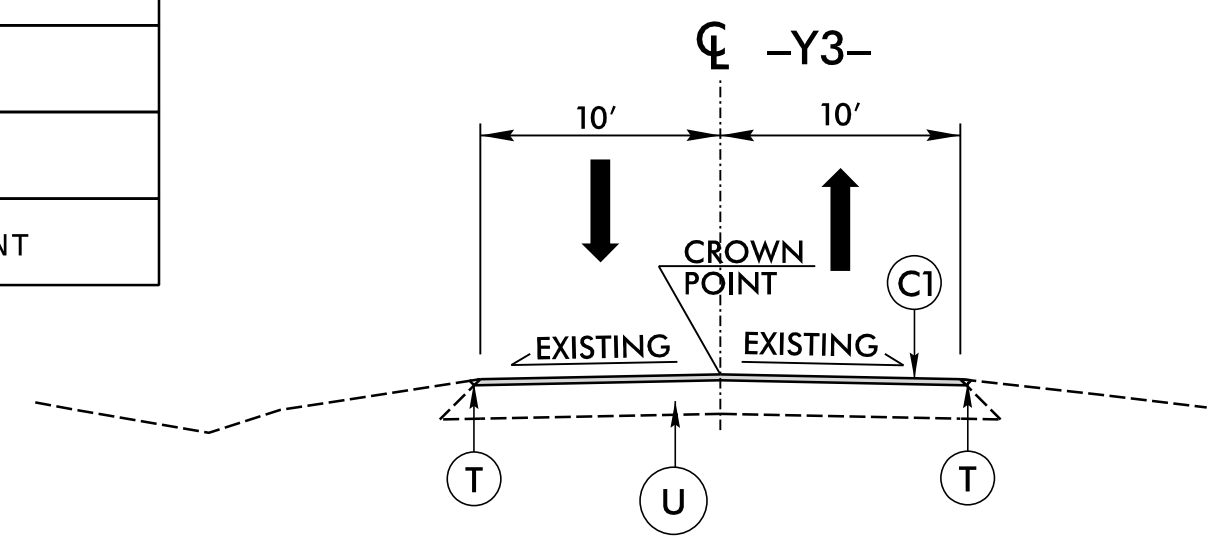
Total Amount Of Bid For Entire Project :

6/2/2023

FINAL PAVEMENT SCHEDULE	
C1	3" TYPE S9.5B
C2	3" TYPE S9.5C
C3	1 1/2" TYPE S9.5C
D2	3" TYPE I19.0C
E1	4" TYPE B25.0C
T	EARTH MATERIAL
U	EXISTING PAVEMENT

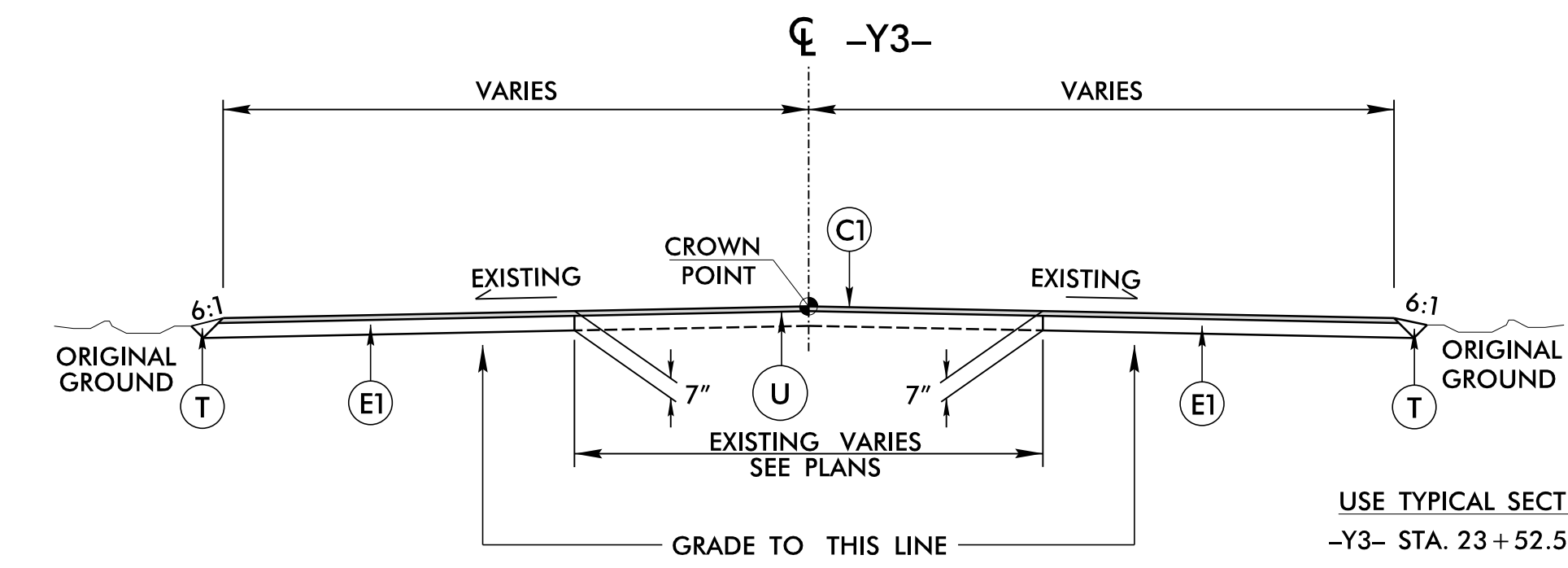
PROJECT REFERENCE NO. 1-5972	SHEET NO. 2A-5
ROADWAY DESIGN ENGINEER 	PAVEMENT DESIGN ENGINEER 

**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



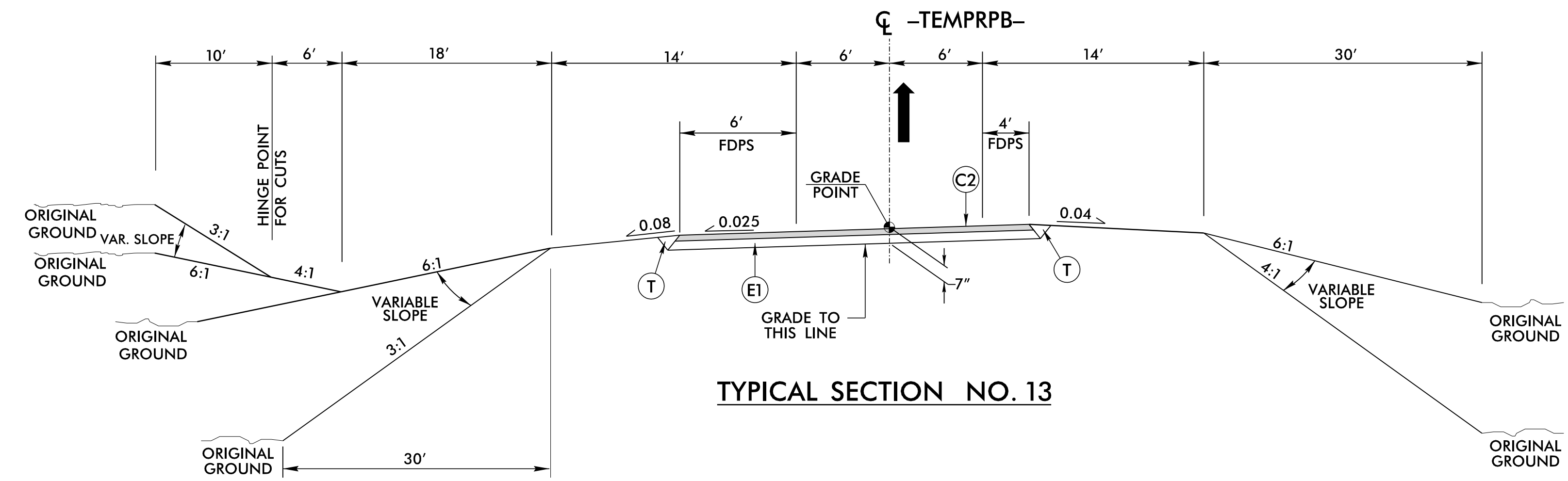
**TYPICAL SECTION NO. 11**  
WIDEN AS NEEDED IN PLAN VIEW

USE TYPICAL SECTION NO. 10  
-Y3- STA. 13+50.00 TO 23+52.50



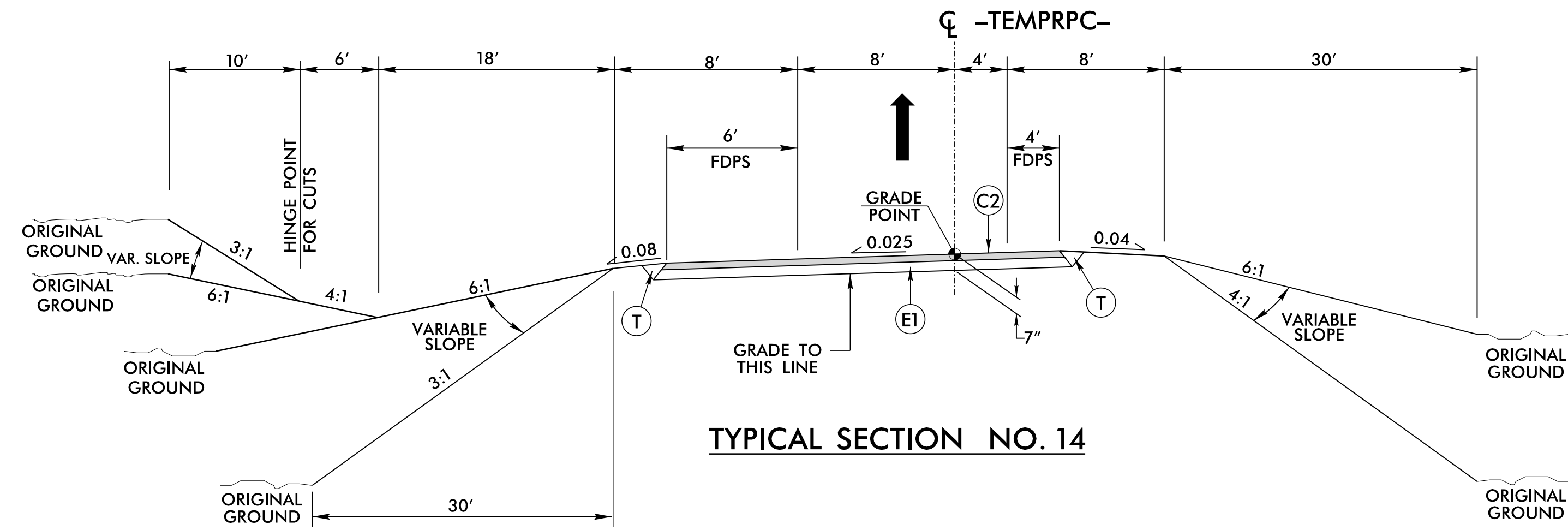
**TYPICAL SECTION NO. 12**  
FOR "T" TURNAROUND

USE TYPICAL SECTION NO. 12  
-Y3- STA. 23+52.50 TO 23+91.75



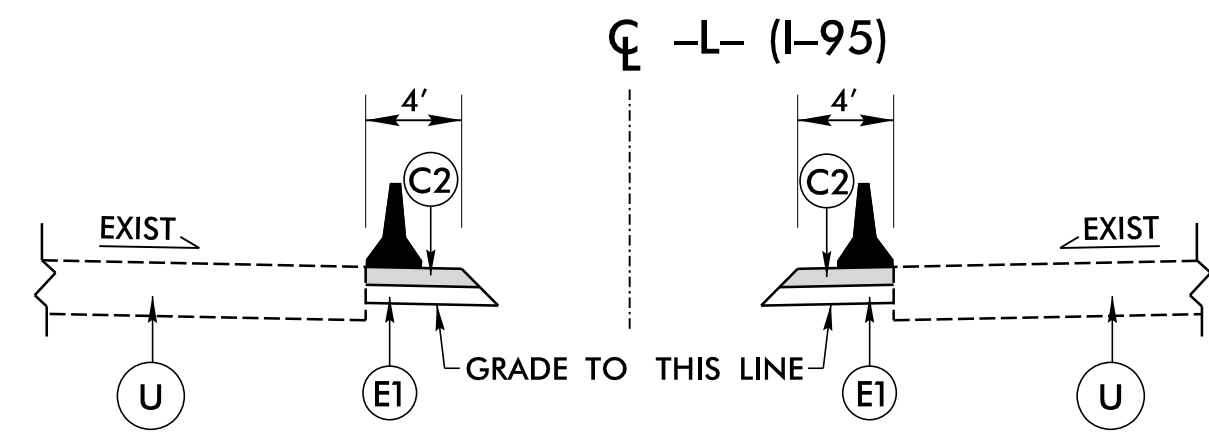
**TYPICAL SECTION NO. 13**

USE TYPICAL SECTION NO. 13  
-TEMPRPB- STA. 10+70.00 TO 17+61.81



**TYPICAL SECTION NO. 14**

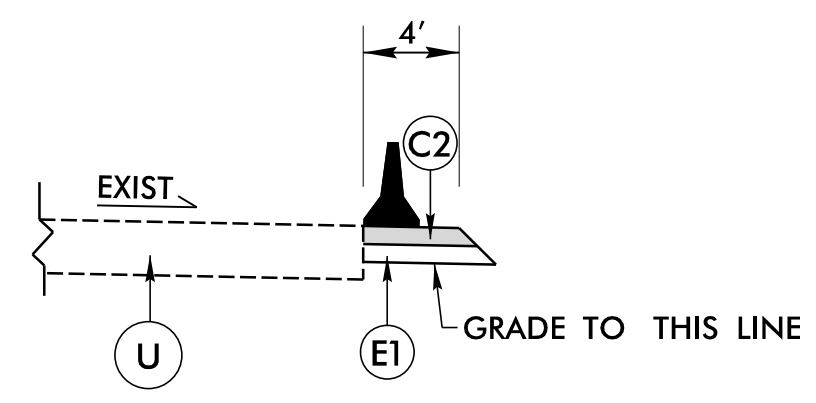
USE TYPICAL SECTION NO. 14  
-TEMPRPC- STA. 10+00.00 TO 22+44.37



**DETAIL 'A'**

USE DETAIL 'A' (TEMPORARY PAVEMENT)  
 -L- STA. 24+05 TO 50+00 LT  
 -L- STA. 24+41 TO 50+00 RT  
 -L- STA. 60+63 TO 85+86 LT  
 -L- STA. 62+00 TO 86+31 RT

NOTE:  
SEE TRANSPORTATION MANAGEMENT PLANS FOR  
LOCATION AND TEMPORARY PAVEMENT TIES TO  
EXISTING PAVEMENT



**DETAIL 'B'**

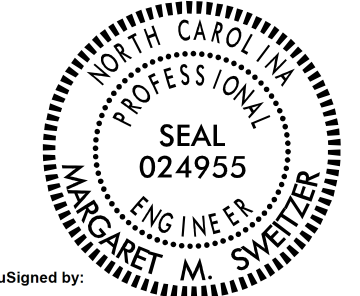
USE DETAIL 'B' (TEMPORARY PAVEMENT)  
 -Y1- STA. 30+74 TO 35+82 RT  
 -Y1- STA. 38+04 TO 41+82 RT

NOTE:  
SEE TRANSPORTATION MANAGEMENT PLANS FOR  
LOCATION AND TEMPORARY PAVEMENT TIES TO  
EXISTING PAVEMENT

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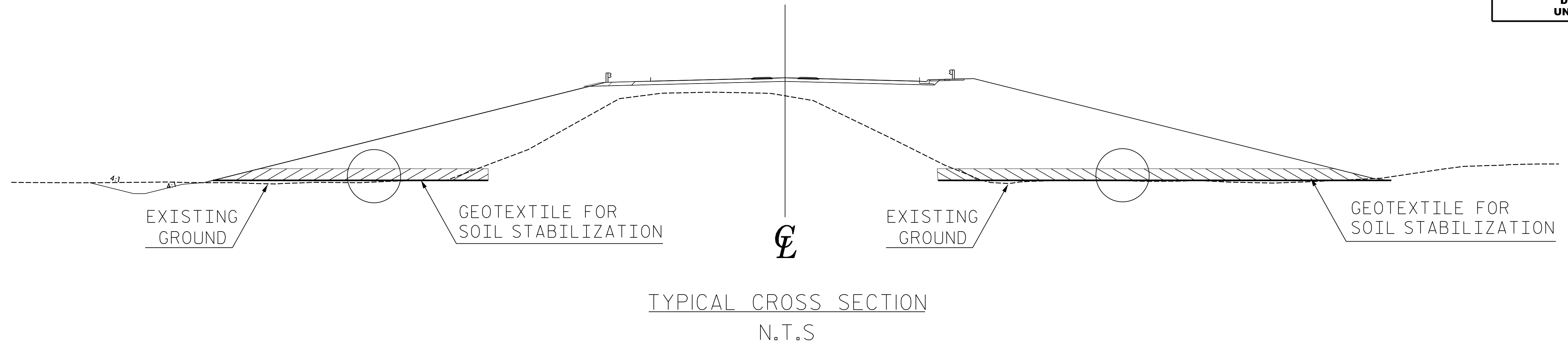
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5/14/99

<b>PROJECT REFERENCE NO.</b> 1-5972	<b>SHEET NO.</b> 2G-6
GEOTECHNICAL ENGINEER  Margaret M. Sweitzer 11/14/2023	ENGINEER
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	

<u>QUANTITIES</u>	
GEOTEXTILE FOR SOIL STABILIZATION	13,300 SY*
SELECT GRANULAR MATERIAL	13,300 CY*

\* GEOTEXTILE FOR SOIL STABILIZATION ESTIMATED QUANTITY DOES NOT INCLUDE OVERLAPS OR WASTE

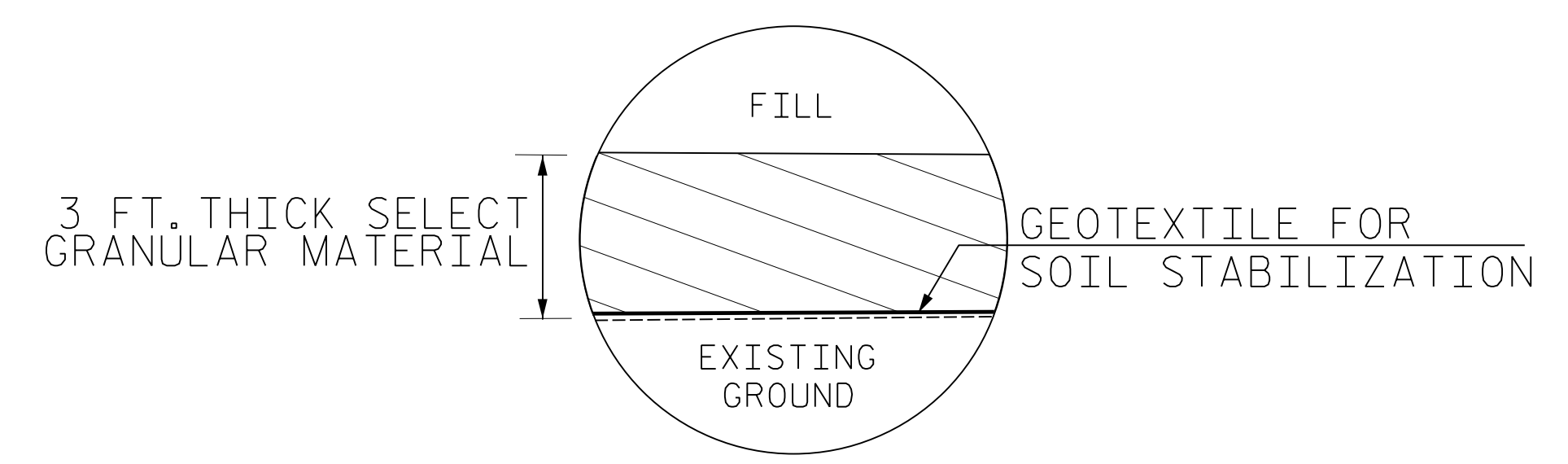
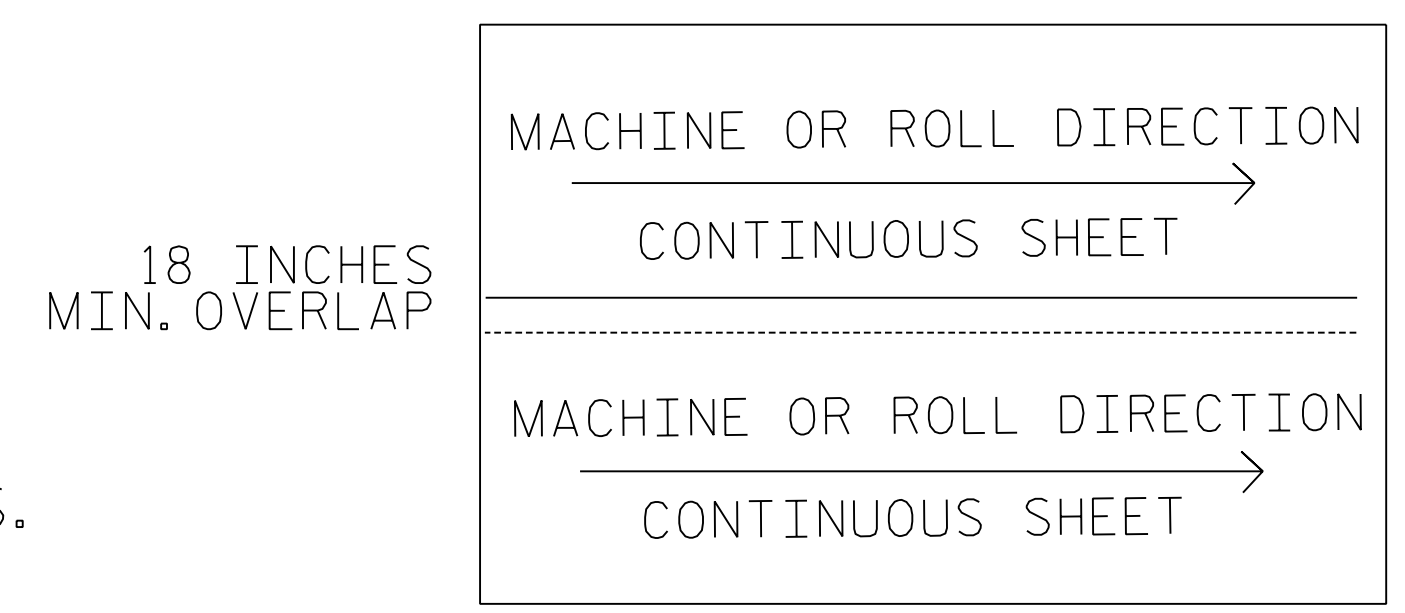


NOTES

1. AFTER CLEARING, PLACE GEOTEXTILE FOR SOIL STABILIZATION ON THE EXISTING GROUND IN ACCORDANCE WITH SECTION 270 OF THE STANDARD SPECIFICATIONS WITH THE EXCEPTION OF INSTALLING GEOTEXTILES WITH THE ROLL DIRECTION PERPENDICULAR TO THE CENTERLINE OF THE ROADWAY.
2. PLACE 3 FEET OF SELECT GRANULAR MATERIAL ON THE GEOTEXTILE PER SECTION 265 OF THE STANDARD SPECIFICATIONS.
3. GEOTEXTILE FOR SOIL STABILIZATION SHOULD BE USED IN THE FOLLOWING LOCATIONS AND AT OTHER LOCATIONS AT THE DISCRETION OF THE ENGINEER.

LINE	STATIONS	OFFSET
-L-	33+40 TO 45+00	RT
-Y1-	34+30 TO 35+30	RT
-Y2-	16+25 TO 18+75	LT & RT
-RPA-	19+50 TO 22+00	LT & RT

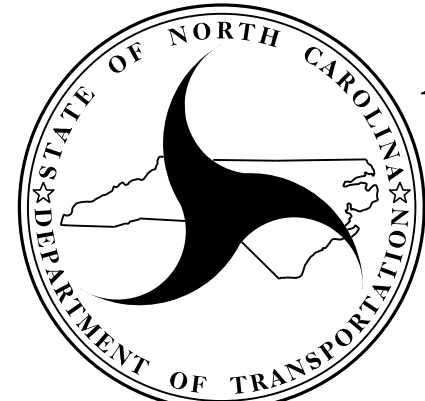
4. ENGINEER MAY DETERMINE IF CONDITIONS WARRANT INSTALLATION OF THE WORKING PLATFORM.



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PREPARED BY : M. SWEITZER	DATE : 11/2023
REVIEWED BY : J. BATTS	DATE : 11/2023

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**NORTH CAROLINA**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
  
**GEOTECHNICAL**  
**ENGINEERING UNIT**

<b>GEOTEXTILE FOR SOIL STABILIZATION DETAIL</b>					
<b>REVISIONS</b>					
NO.	BY	DATE	NO.	BY	DATE

DIVISION OF HIGHWAYS  
 STATE OF NORTH CAROLINA

**SUMMARY OF EARTHWORK**  
 IN CUBIC YARDS

CHAIN	BEGINNING STATION	ENDING STATION	UNCL. EXCA. C.Y.	UNDERCUT C.Y.	EMBANK. +% C.Y.	BORROW C.Y.	WASTE C.Y.
<b>SUMMARY 1</b>							
-L- LT	28+00.00	58+00.00	2,289		3,096	847	40
-L- LT	58+00.00	77+11.40	2,709		1,314		1,395
-Y1-	21+70.00	36+75.00	828		43,525	43,377	680
-RPB-	12+00.00	26+50.00	2,483		18,764	17,281	1,000
-RPC-	10+00.00	24+50.00	915		19,829	19,564	650
<b>SUBTOTAL</b>			<b>9,224</b>		<b>86,528</b>	<b>81,069</b>	<b>3,765</b>
<b>SUMMARY 2</b>							
-L- RT	33+50.00	63+50.00	3,473		2,580		893
-L- RT	63+50.00	82+00.00	2,598		1,590		1,008
-Y1-	38+04.00	56+50.00	2,391		40,956	38,565	
-RPA-	14+00.00	21+50.00	837		5,543	4,786	80
-RPD-	10+00.00	30+50.00	5,784		4,404		1,380
<b>SUBTOTAL</b>			<b>15,083</b>		<b>55,072</b>	<b>43,351</b>	<b>3,361</b>
<b>SUMMARY 3</b>							
-Y2-	10+50.00	33+50.00	7,683	2,169	16,325	10,802	4,329
<b>SUBTOTAL</b>			<b>7,683</b>	<b>2,169</b>	<b>16,325</b>	<b>10,802</b>	<b>4,329</b>
<b>SUMMARY 4</b>							
-TEMPRPB-	11+00.00	17+50.00	138		13,231	13,093	
-TEMPRPC-	11+50.00	22+00.00	128		19,118	18,990	
-TEMPRPC-REMOVE	12+00.00	16+00.00	90				
<b>SUBTOTAL</b>			<b>356</b>		<b>32,349</b>	<b>32,083</b>	
<b>SHEET TOTALS</b>			<b>32,346</b>	<b>2,169</b>	<b>190,274</b>	<b>167,305</b>	<b>11,456</b>
<b>MATERIAL FOR SHOULDER CONSTRUCTION</b>					<b>10,671</b>		
<b>GRADE POINT UNDERCUT CONTINGENCY</b>				<b>150</b>	<b>188</b>	<b>188</b>	<b>150</b>
<b>CONTINGENCY UNDERCUT FOR SUBGRADE</b>				<b>500</b>			
<b>ADDITIONAL UNDERCUT CONTINGENCY</b>				<b>500</b>			
<b>EARTH WASTE IN LIEU OF BORROW</b>						<b>-1,777</b>	<b>-1,777</b>
<b>PROJECT TOTAL</b>			<b>32,346</b>	<b>3,319</b>	<b>201,133</b>	<b>165,716</b>	<b>9,829</b>
<b>EST. 5% TO REPLACE TOP SOIL ON BORROW PIT</b>						<b>8,286</b>	
<b>GRAND TOTAL</b>			<b>32,346</b>			<b>174,001</b>	
<b>SAY</b>			<b>32,350</b>			<b>174,010</b>	

\*UNCLASSIFIED EXCAVATION - ACCEPTABLE BUT NOT TO BE USED IN THE TOP 3' OF EMBANKMENT OR BACKFILL (5,100 CY) SEE LOCATIONS BELOW

-L- 43+75 - 45+75 (150 CY)	-RPB- 15+25 - 18+75 (630 CY)	-RPD- 13+00 - 18+50 (930 CY)
-Y1- 47+25 - 54+00 (1950 CY)	-RPC- 16+75 - 20+75 (420 CY)	-RPD- 24+75 - 29+60 (960 CY)

Note: Earthwork quantities are calculated by the Roadway Design Unit. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

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# ASPHALT PAVEMENT REMOVAL SUMMARY

PROJECT REFERENCE NO.	SHEET NO.
1-5972	3B-3
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

LINE	STATION	STATION	LOCATION	LENGTH OR AREA	WIDTH	SQUARE YARDS
L LT	27+95	38+75	LT	6990.94		776.77
L LT	41+97	66+56	LT	25185.32		2798.37
L LT	69+79	77+11	LT	4137.38		459.71
L LT	54+37	58+96	RT	3879.15		431.02
L RT	33+39	40+79	RT	4909.14		545.46
L RT	44+20	68+83	RT	25017.00		2779.67
L RT	68+85	82+41	RT	7570.93		841.21
L RT	54+37	58+96	LT	4352.31		483.59
Y1	31+63	35+81	CL	12139.28		1348.81
Y1	38+07	40+00	CL	5479.19		608.80
RPA	10+00	19+56	CL	20844.13		2316.01
RPB	10+00	23+35	CL	35358.39		3928.71
RPC	10+00	18+65	CL	22001.10		2444.57
RPD	10+00	30+07	CL	40956.27		4550.70
RPD	27+88	30+95	CL	6276.64		697.40
RPD	30+66	31+09	CL	655.93		72.88
L TEMP	24+05	50+00	MED LT	10380.48		1153.39
L TEMP	24+41	50+00	MED RT	10236.11		1137.35
L TEMP	60+63	85+86	MED LT	10087.93		1120.88
L TEMP	62+00	86+31	MED RT	9725.11		1080.57
Y1	30+75	35+82	RT	2059.44		228.83
Y1	38+04	41+82	RT	1508.75		167.64
TEMP RPB	10+00	16+01	CL	24259.41		2695.49
TEMP RPC	11+96	20+44	CL	15357.73		1706.41
TEMP RPD	13+15	19+52	CL	9339.77		1037.75
					TOTAL	35,411.98
					SAY	35,420

# WOVEN WIRE FENCE, 48" FABRIC SUMMARY

STATION TO STATION	LT.	A	B	C	D	E	F
	OR RT.	FABRIC L.F.	END BRACE	CORNER BRACE	LINE BRACE	4" POSTS	5" POSTS
-RPB- 17+87 TO 23+51	RT.	606	2		1	40	7
-RPC- 14+60 TO 16+20	LT	156	2			9	4
-RPD- 13+35 TO 16+30	RT.	338.00	1	5		15	17
-RPD- 16+30 TO 21+42	RT.	564.00		1	1	37	6
-RPD- 21+75 TO 30+42	RT.	1,010.00		6	1	61	21
-Y1- 44+40 TO 46+50	RT.	209.00	1	1		12	5
TOTAL		2,883.00				173	60
SAY		2,890				174	60

# RIP RAP AND GEOTEXTILE FOR WETLAND AREA

DETAIL	RANGE	TOT L (FT)	GEO FAB (SY)	CL I (TON)
X	-Y1- 37+40 TO 41+54 RT (UNDER FILL PORTION)	414	188	133
X	-Y1- 38+24 TO 40+30 RT (TOE PROTECTION PORTION)	206	145	68
	<b>SUM:</b>		<b>333</b>	<b>201</b>



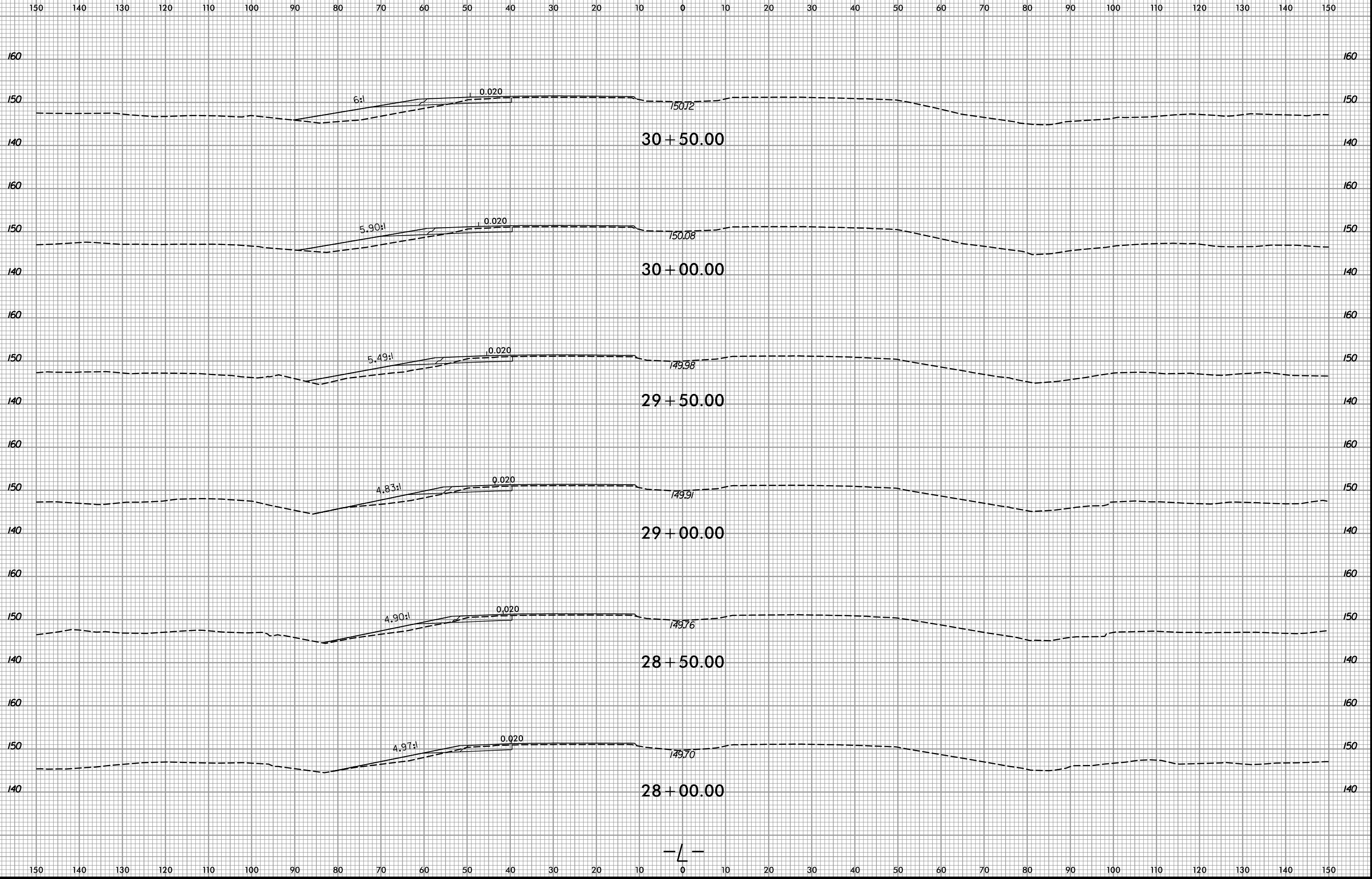
**STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS**

<b>PROJ. REFERENCE NO.</b>	<b>SHEET NO.</b>
I-5972	X-1A

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDES BACKFILL FOR UNDERCUT

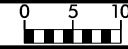
**CROSS-SECTION SUMMARY**

Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt	Station	Uncl. Exc.	Embt
-L-LT	(cu. yd.)	(cu. yd.)	-L-LT	(cu. yd.)	(cu. yd.)	-L-RT	(cu. yd.)	(cu. yd.)	-L-LT	(cu. yd.)	(cu. yd.)	-Y1-	(cu. yd.)	(cu. yd.)	-Y1-	(cu. yd.)	(cu. yd.)
28+00.00	0	0	55+00.00	25	65	55+00.00	48	19	74+00.00	12	68	21+70.00	0	0	48+00.00	65	44
28+50.00	24	31	55+50.00	25	56	55+50.00	50	36	74+50.00	15	75	22+00.00	4	13	48+50.00	52	33
29+00.00	24	35	56+00.00	159	28	56+00.00	60	34	75+00.00	19	77	22+50.00	12	42	49+00.00	64	55
29+50.00	23	53	56+50.00	295	0	56+50.00	66	40	75+50.00	21	75	23+00.00	10	43	49+50.00	75	58
30+00.00	23	75	57+00.00	185	7	57+00.00	94	23	76+00.00	22	69	23+50.00	8	51	50+00.00	78	59
30+50.00	22	91	57+50.00	70	25	57+50.00	249	0	76+50.00	23	58	24+00.00	9	65	50+50.00	81	67
31+00.00	21	102	58+00.00	51	36	58+00.00	301	0	77+00.00	24	43	24+50.00	8	89	51+00.00	84	76
31+50.00	20	108				58+50.00	130	25	77+11.40	3	4	25+00.00	3	122	51+50.00	110	65
32+00.00	20	107	Station	Uncl. Exc.	Embt	59+00.00	32	53				25+50.00	1	129	52+00.00	103	67
32+50.00	19	99				59+50.00	32	39	Station	Uncl. Exc.	Embt	26+00.00	2	91	52+50.00	66	76
33+00.00	18	95	-L-RT	(cu. yd.)	(cu. yd.)	60+00.00	31	20	-L-RT	(cu. yd.)	(cu. yd.)	26+50.00	2	56	53+00.00	88	43
33+50.00	16	83	33+50.00	0	0	60+50.00	31	20				27+00.00	3	40	53+50.00	135	21
34+00.00	14	71	34+00.00	25	21	61+00.00	30	22	63+50.00	0	0	27+50.00	10	19	54+00.00	177	21
34+50.00	13	64	34+50.00	24	28	61+50.00	28	26	64+00.00	35	0	28+00.00	23	29	54+50.00	184	15
35+00.00	12	59	35+00.00	24	34	62+00.00	29	25	64+50.00	35	0	28+50.00	18	45	55+00.00	92	20
35+50.00	11	58	35+50.00	25	35	62+50.00	30	19	65+00.00	36	0	29+00.00	12	51	55+50.00	14	22
36+00.00	12	57	36+00.00	25	72	63+00.00	31	9	65+50.00	44	0	29+50.00	12	139	56+00.00	49	24
36+50.00	15	54	36+50.00	23	110	63+50.00	34	0	66+00.00	52	0	30+00.00	7	120	56+50.00	47	33
37+00.00	17	52	37+00.00	21	117				66+50.00	75	0	30+50.00	4	392			
37+50.00	18	53	37+50.00	19	117	Station	Uncl. Exc.	Embt	67+00.00	105	0	31+00.00	0	1152	Station	Uncl. Exc.	Embt
38+00.00	17	58	38+00.00	18	113				67+50.00	121	0	31+50.00	0	1026			
38+50.00	17	65	38+50.00	16	110	-L-LT	(cu. yd.)	(cu. yd.)	68+00.00	65	14	32+00.00	0	1128	-Y2-	(cu. yd.)	(cu. yd.)
39+00.00	11	60	39+00.00	14	109	58+00.00	0	0	68+50.00	2	57	32+50.00	0	2088	10+00.00	0	0
39+50.00	6	45	39+50.00	14	106	58+50.00	32	55	69+00.00	4	57	33+00.00	0	2765	10+50.00	61	22
40+00.00	16	34	40+00.00	13	110	59+00.00	29	75	69+50.00	14	24	33+50.00	0	3433	11+00.00	89	34
40+50.00	29	25	40+50.00	12	116	59+50.00	26	65	70+00.00	20	17	34+00.00	0	4081	11+50.00	93	58
41+00.00	37	25	41+00.00	8	105	60+00.00	24	38	70+50.00	24	11	34+50.00	0	4753	12+00.00	74	97
41+50.00	41	32	41+50.00	5	72	60+50.00	23	21	71+00.00	26	12	35+00.00	0	5462	12+50.00	53	141
42+00.00	49	28	42+00.00	18	37	61+00.00	24	19	71+50.00	23	15	35+50.00	0	4843	13+00.00	24	206
42+50.00	71	15	42+50.00	34	23	61+50.00	25	20	72+00.00	20	21	35+83.00	0	2552	13+50.00	7	282
43+00.00	115	7	43+00.00	43	19	62+00.00	24	14	72+50.00	14	26				14+00.00	11	321
43+50.00	89	3	43+50.00	59	12	62+50.00	29	3	73+00.00	14	27	Station	Uncl. Exc.	Embt	14+50.00	19	317
44+00.00	40	0	44+00.00	86	4	63+00.00	42	0	73+50.00	15	31				15+00.00	29	284
44+50.00	50	0	44+50.00	129	1	63+50.00	52	0	74+00.00	15	35	-Y1-	(cu. yd.)	(cu. yd.)	15+50.00	39	242
45+00.00	42	1	45+00.00	109	0	64+00.00	44	0	74+50.00	14	34	38+04.00	0	0	16+00.00	47	247
45+50.00	26	12	45+50.00	64	0	64+50.00	30	1	75+00.00	13	26	38+50.00	0	4749	16+50.00	48	312
46+00.00	24	31	46+00.00	46	2	65+00.00	31	1	75+50.00	13	20	39+00.00	0	5004	17+00.00	49	426
46+50.00	23	43	46+50.00	25	15	65+50.00	131	8	76+00.00	14	21	39+50.00	0	4503	17+50.00	58	533
47+00.00	24	38	47+00.00	24	30	66+00.00	221	10	76+50.00	17	25	40+00.00	0	3832	18+00.00	78	541
47+50.00	25	28	47+50.00	23	36	66+50.00	192	1	77+00.00	19	31	40+50.00	0	3048	18+50.00	101	447
48+00.00	25	26	48+00.00	23	30	67+00.00	148	0	77+50.00	21	39	41+00.00	0	2546	19+00.00	126	356
48+50.00	25	23	48+50.00	23	22	67+50.00	117	0	78+00.00	21	51	41+50.00	0	2396	19+50.00	143	355
49+00.00	25	21	49+00.00	23	21	68+00.00	61	0	78+50.00	22	65	42+00.00	1	2163	20+00.00	141	381
49+50.00	25	20	49+50.00	24	18	68+50.00	10	3	79+00.00	21	82	42+50.00	6	1465	20+50.00	159	372
50+00.00	25	19	50+00.00	29	6	69+00.00	11	12	79+50.00	21	98	43+00.00	6	462	21+00.00	158	341
50+50.00	25	18	50+50.00	42	0	69+50.00	15	26	80+00.00	22	106	43+50.00	18	19	21+50.00	142	346
51+00.00	25	15	51+00.00	86	0	70+00.00	15	23	80+50.00	22	108	44+00.00	82	42	22+00.00	152	354
51+50.00	25	17	51+50.00	101	0	70+50.00	16	14	81+00.00	22	93	44+50.00	70	249	22+50.00	157	328
52+00.00	25	25	52+00.00	66	0	71+00.00	15	16	81+50.00	23	70	45+00.00	5	553	23+00.00	159	318
52+50.00	25	32	52+50.00	49	0	71+50.00	14	20	82+00.00	24	56	45+50.00	132	424	23+50.00	163	317
53+00.00	23	34	53+00.00	49	0	72+00.00	14	20				46+00.00	195	187	24+00.00	172	330
53+50.00	23	31	53+50.00	48	0	72+50.00	13	24				46+50.00	109	137	24+50.00	180	339
54+00.00	24	30	54+00.00	44	1	73+00.00	11	37				47+00.00	103	93	25+00.00	183	338
54+50.00	25	52	54+50.00	44	2	73+50.00	11	56				47+50.00	100	94	25+50.00	181	340



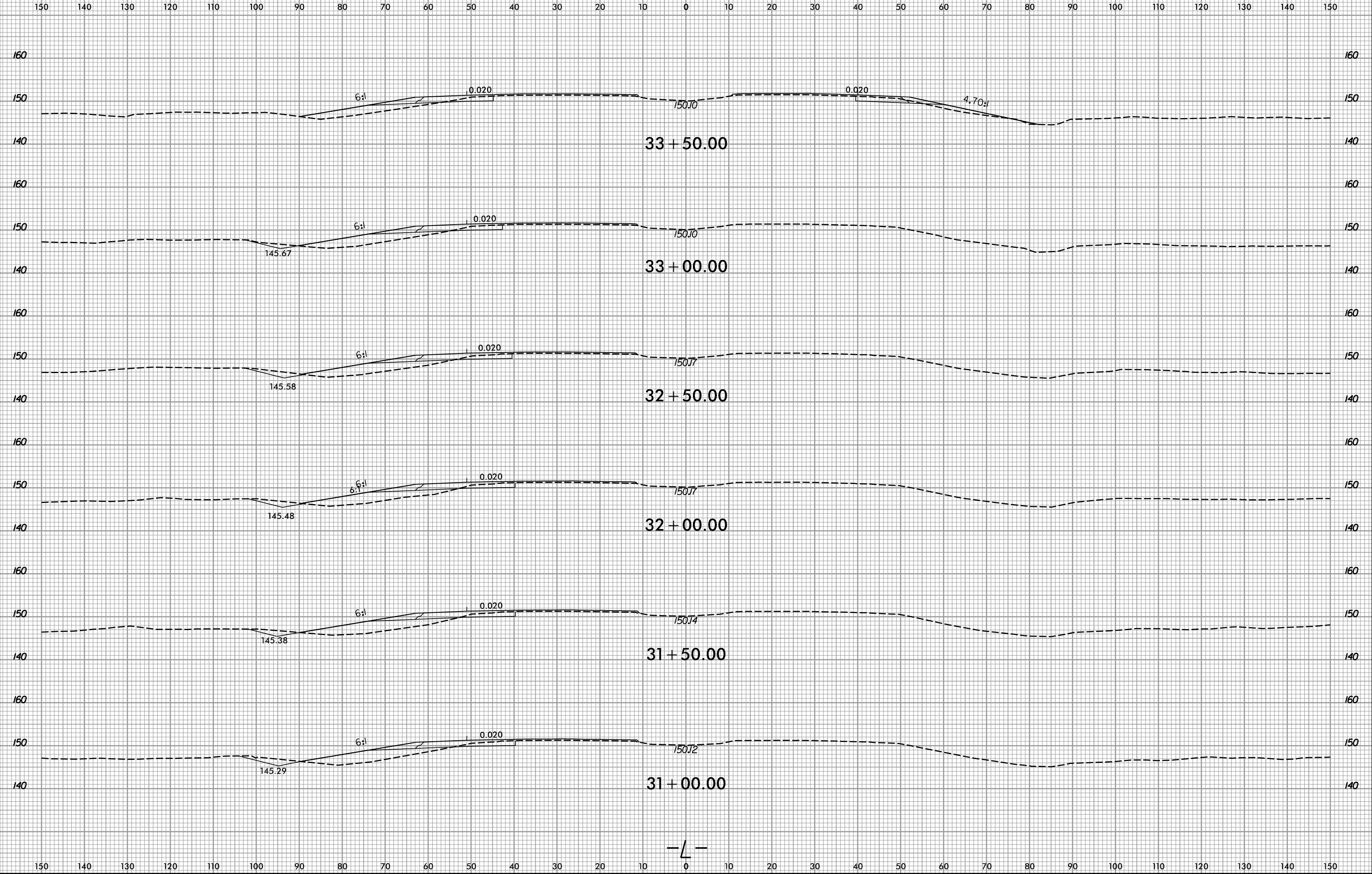


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PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-2



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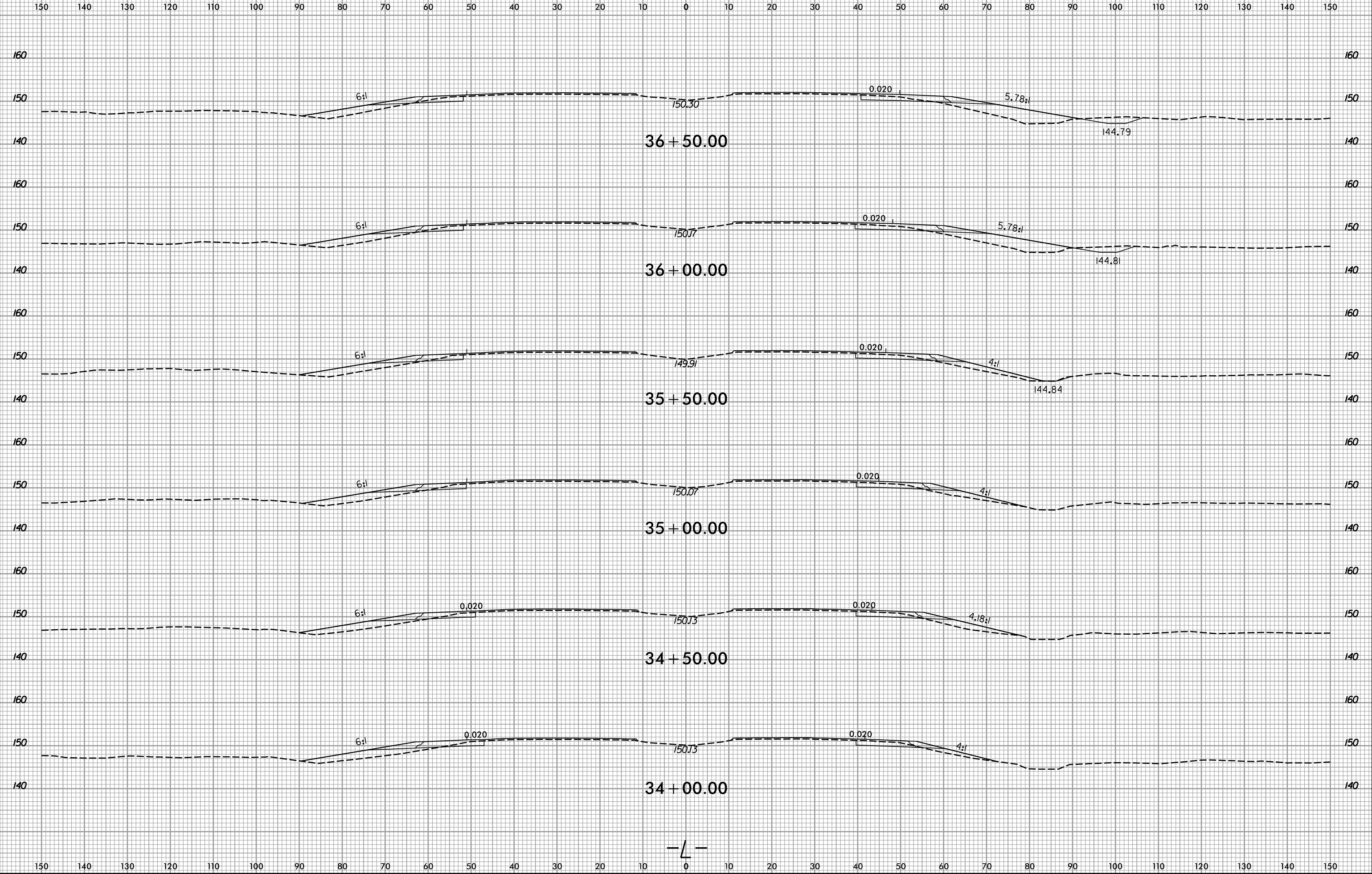
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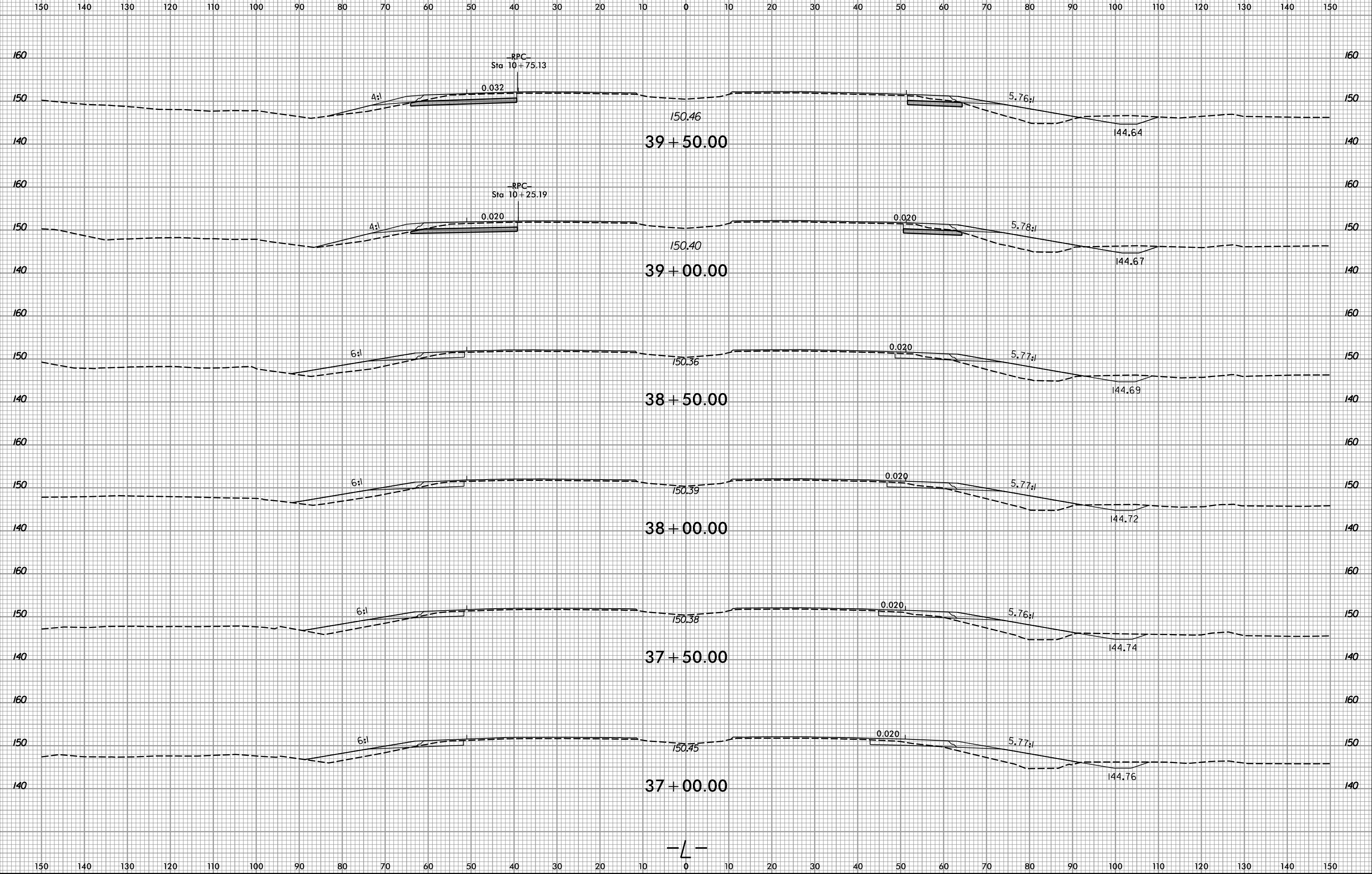
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X-4



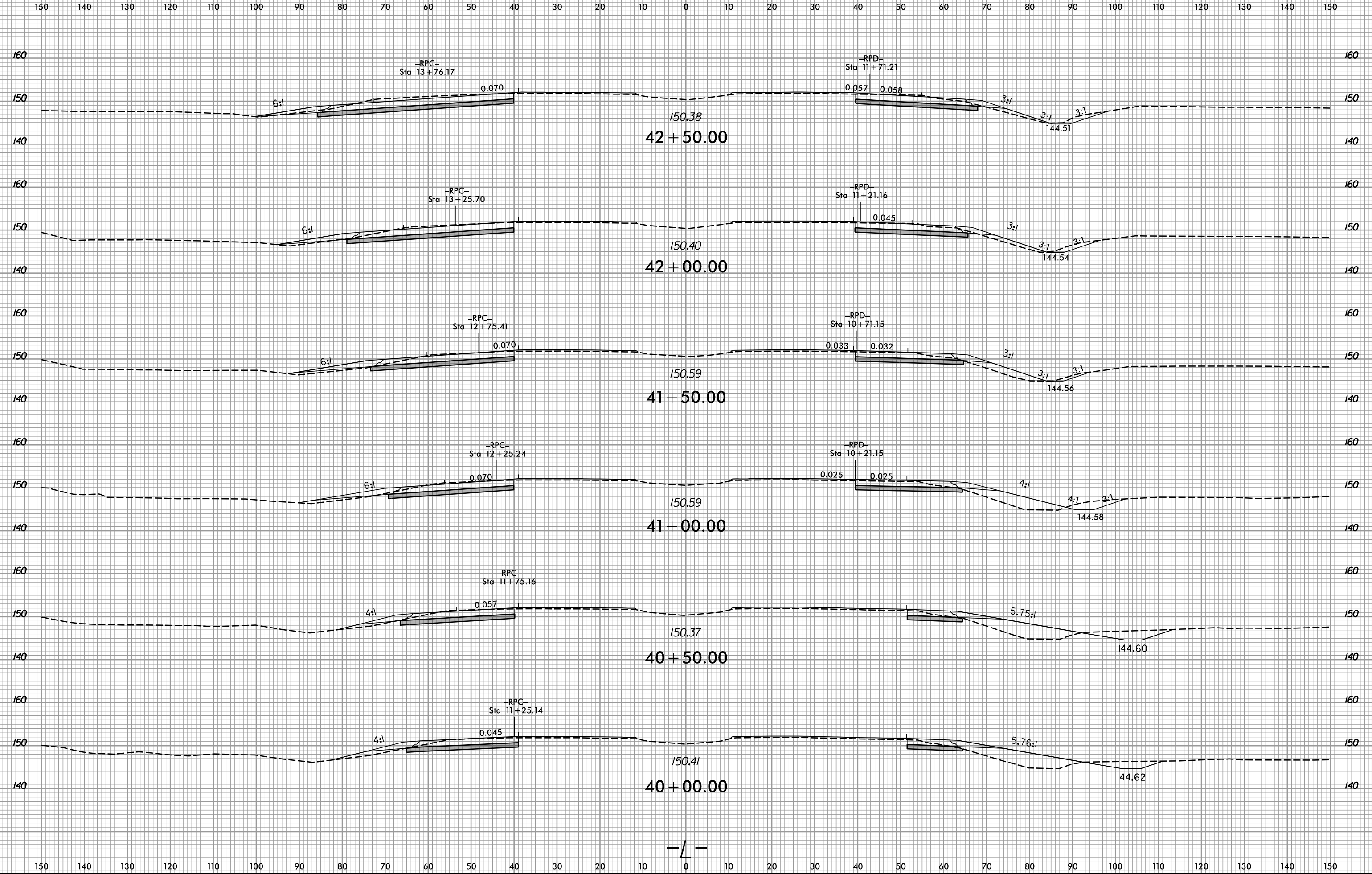
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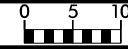
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X-5



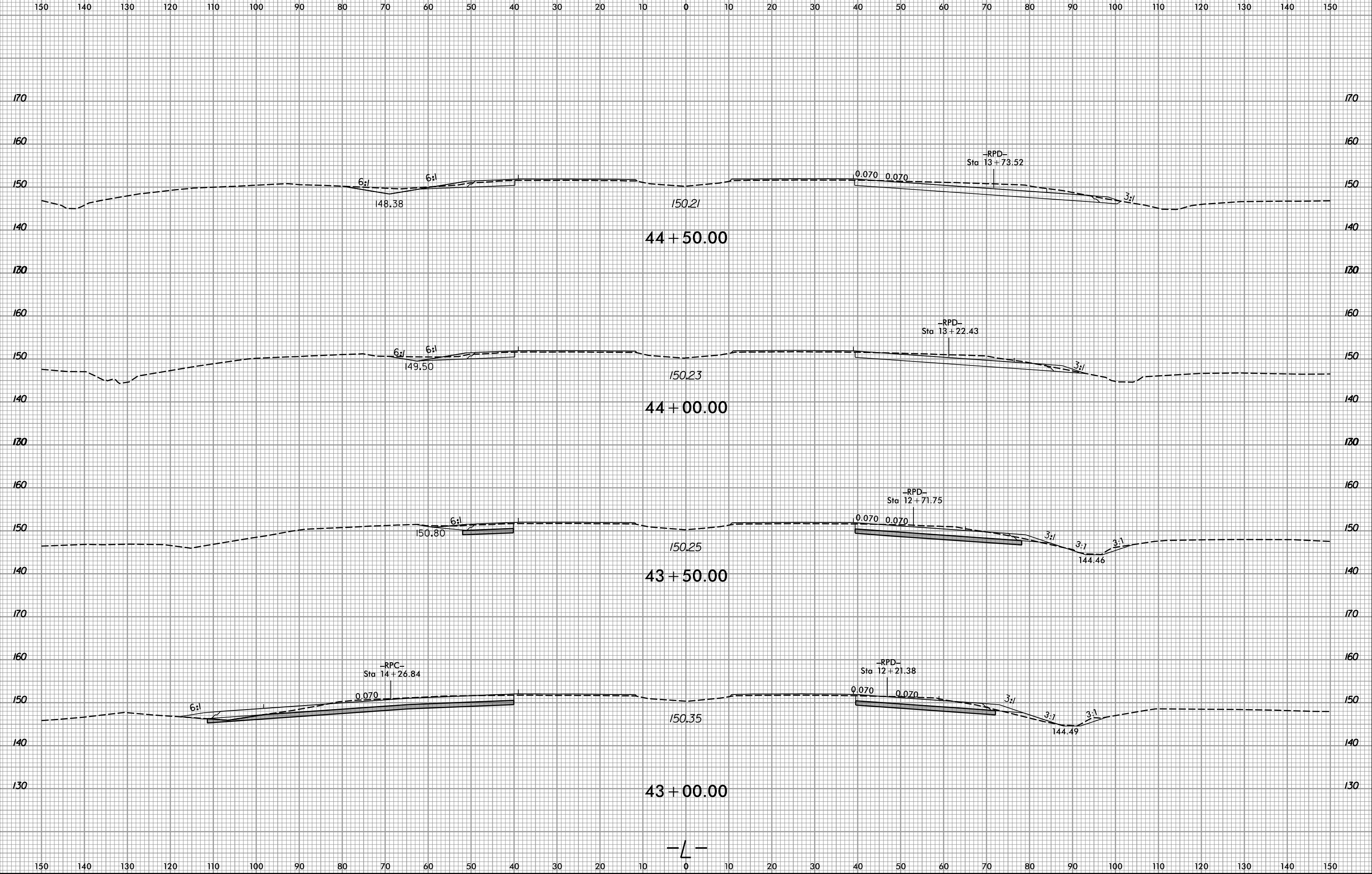
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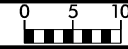
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X-6



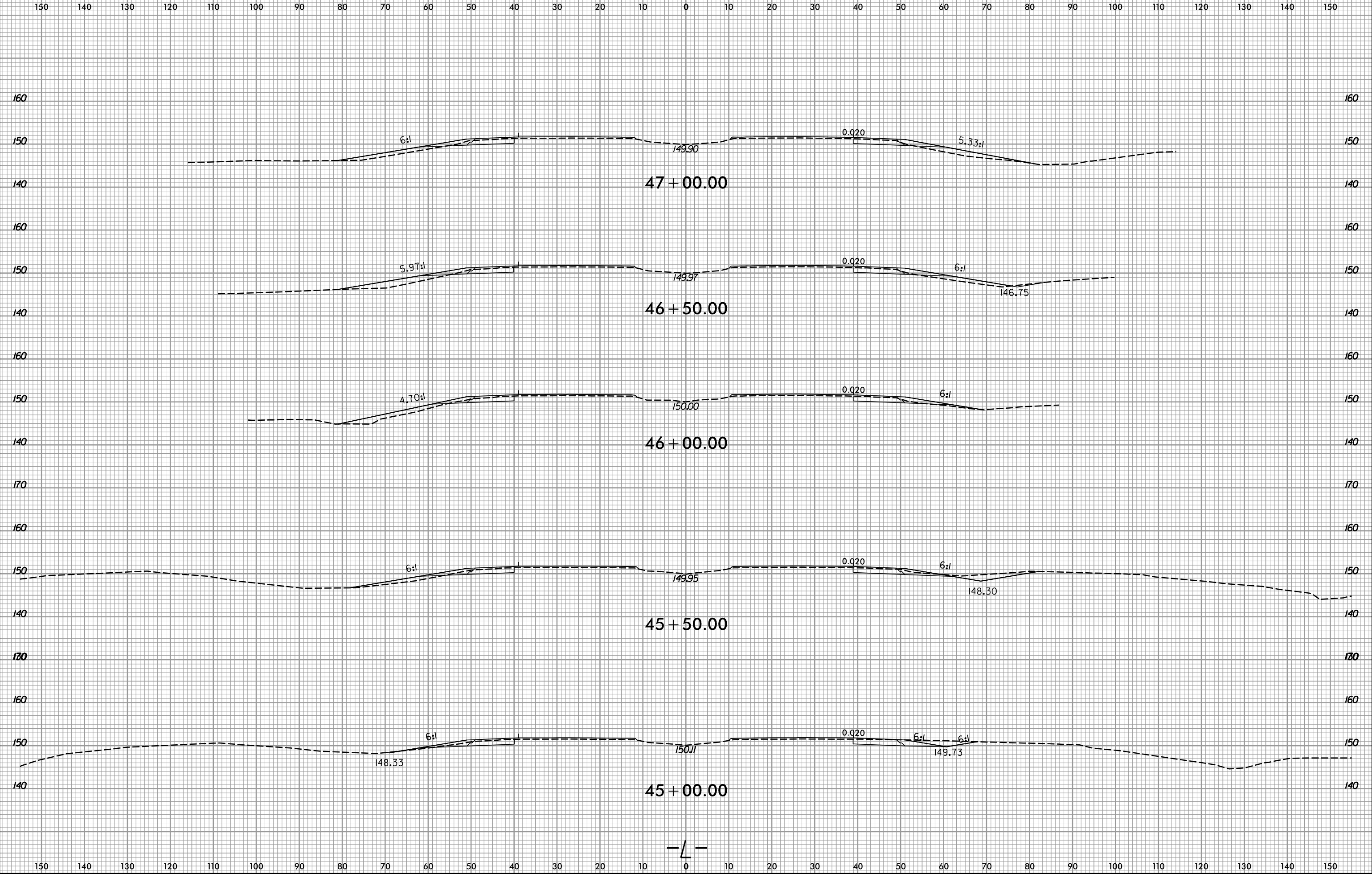
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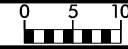
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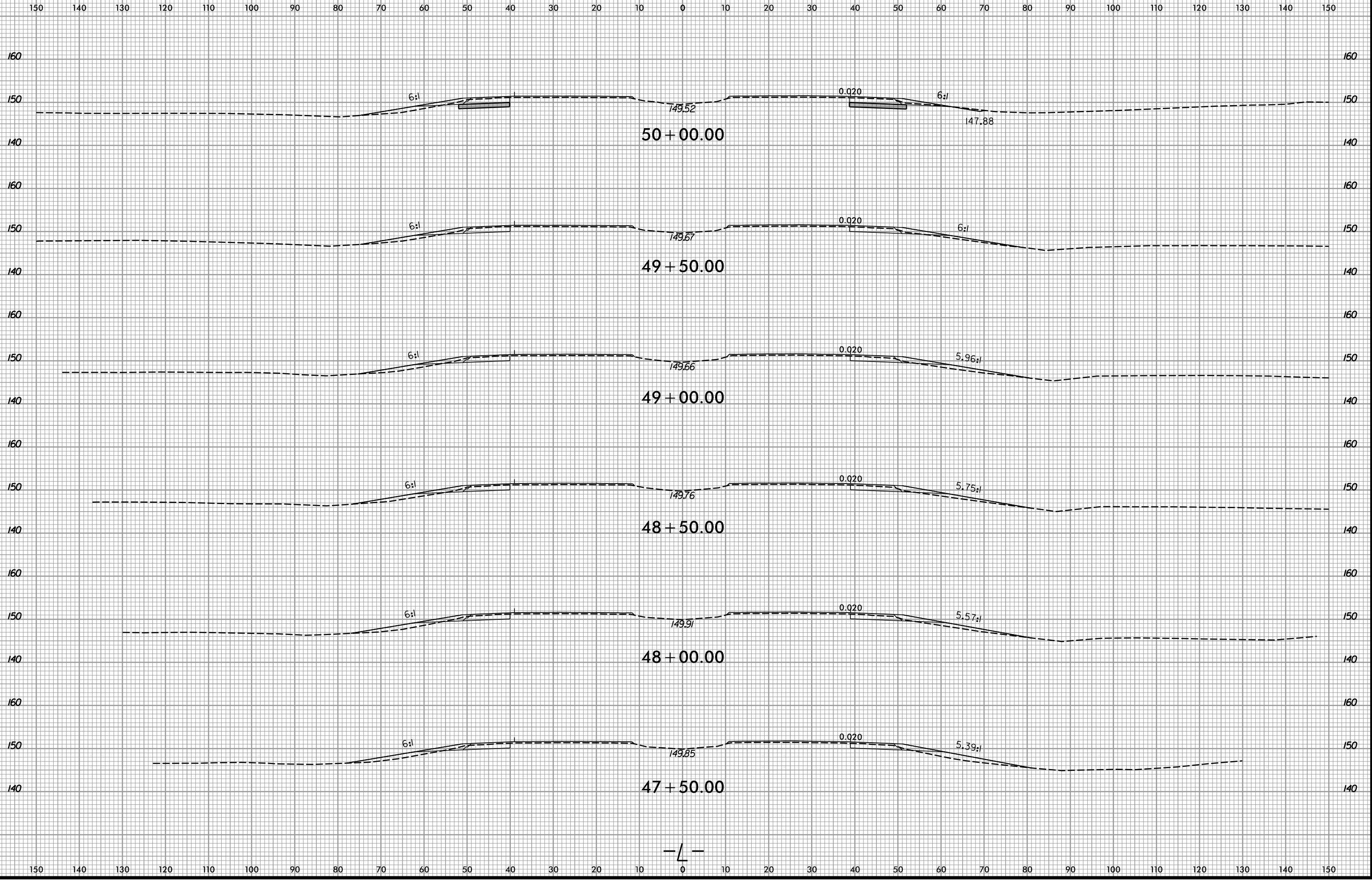
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PROJ. REFERENCE NO.	SHEET NO.
I-5972	X-8



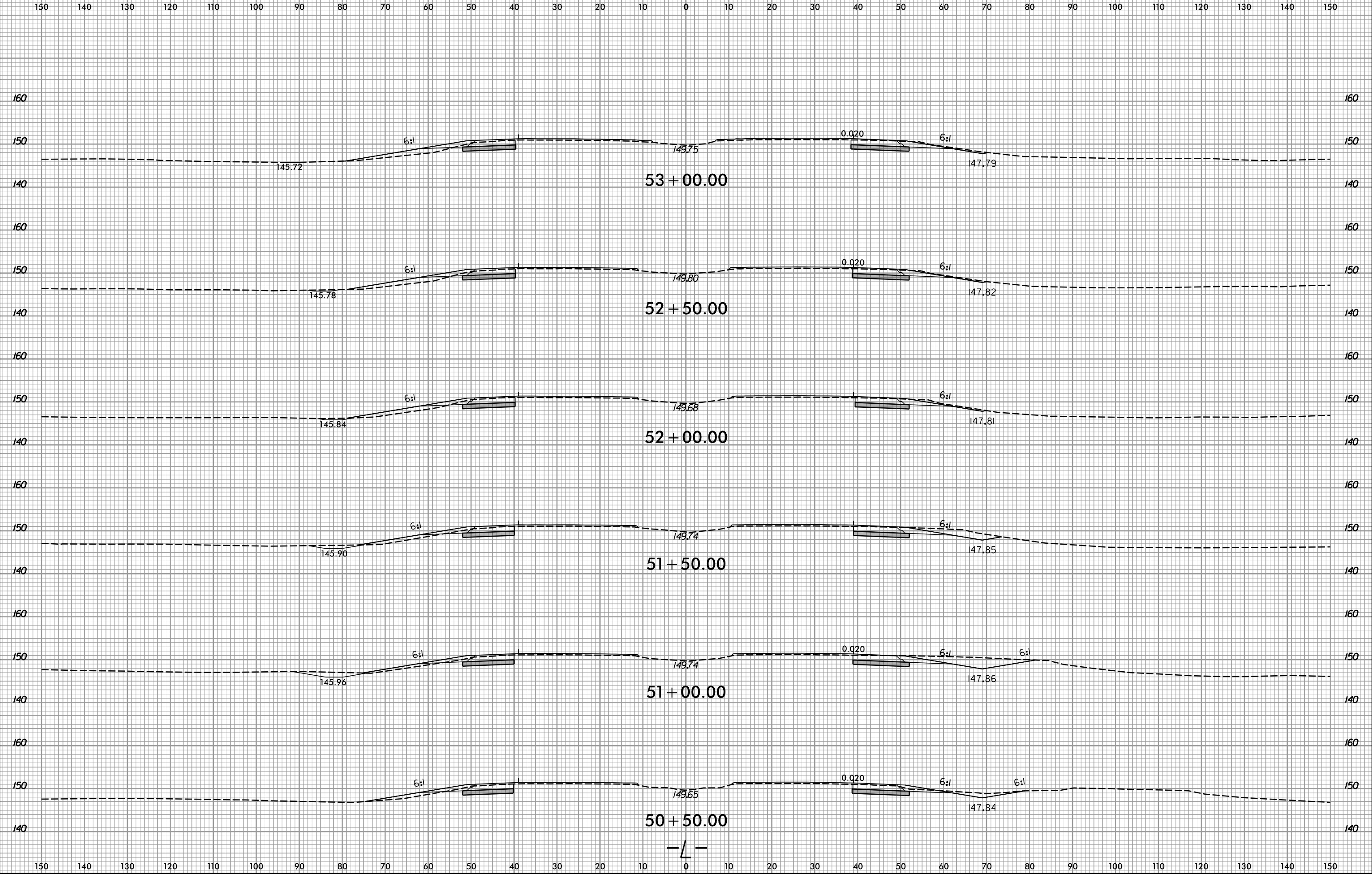
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PROJ. REFERENCE NO.
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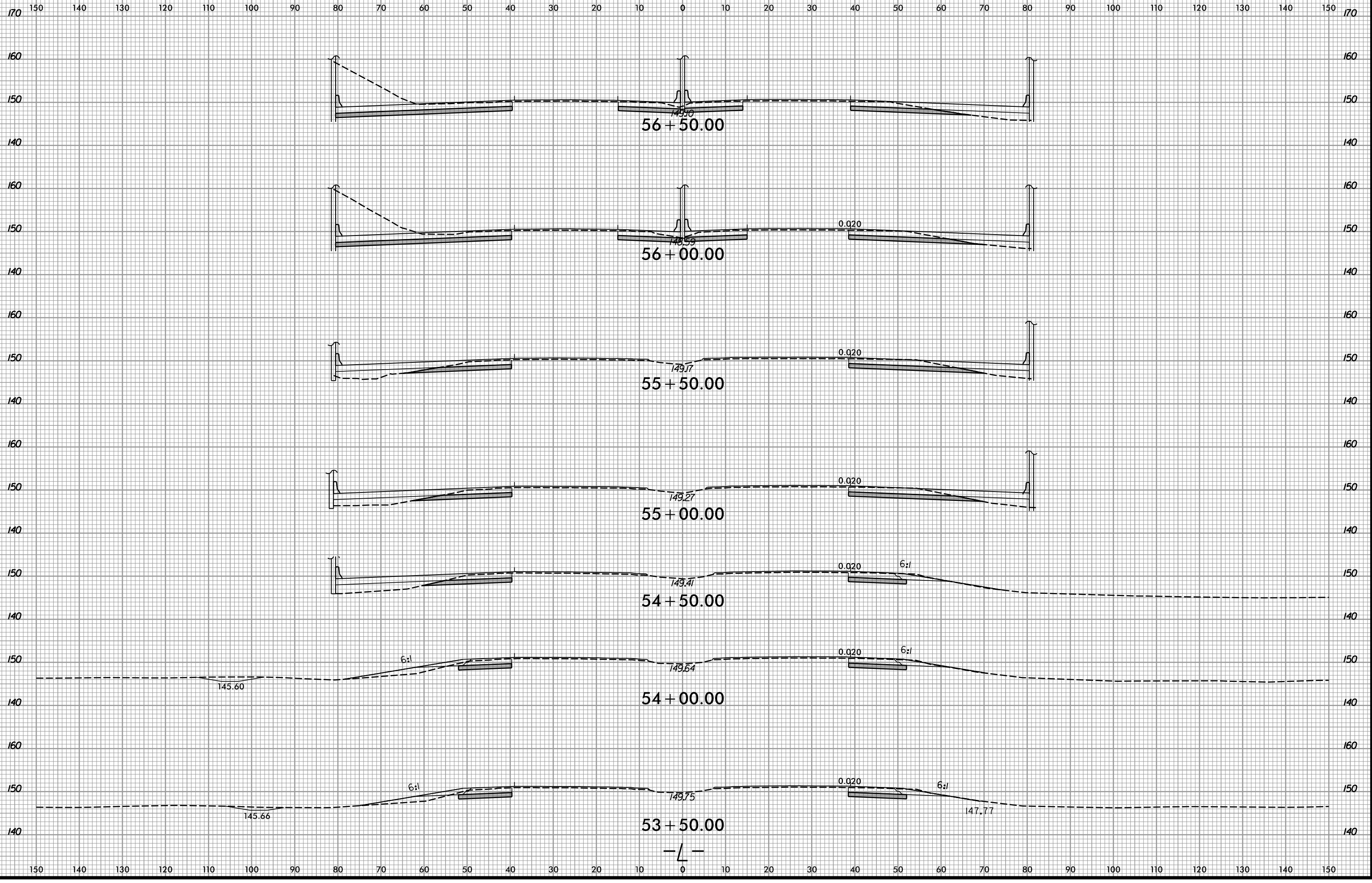


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PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-10



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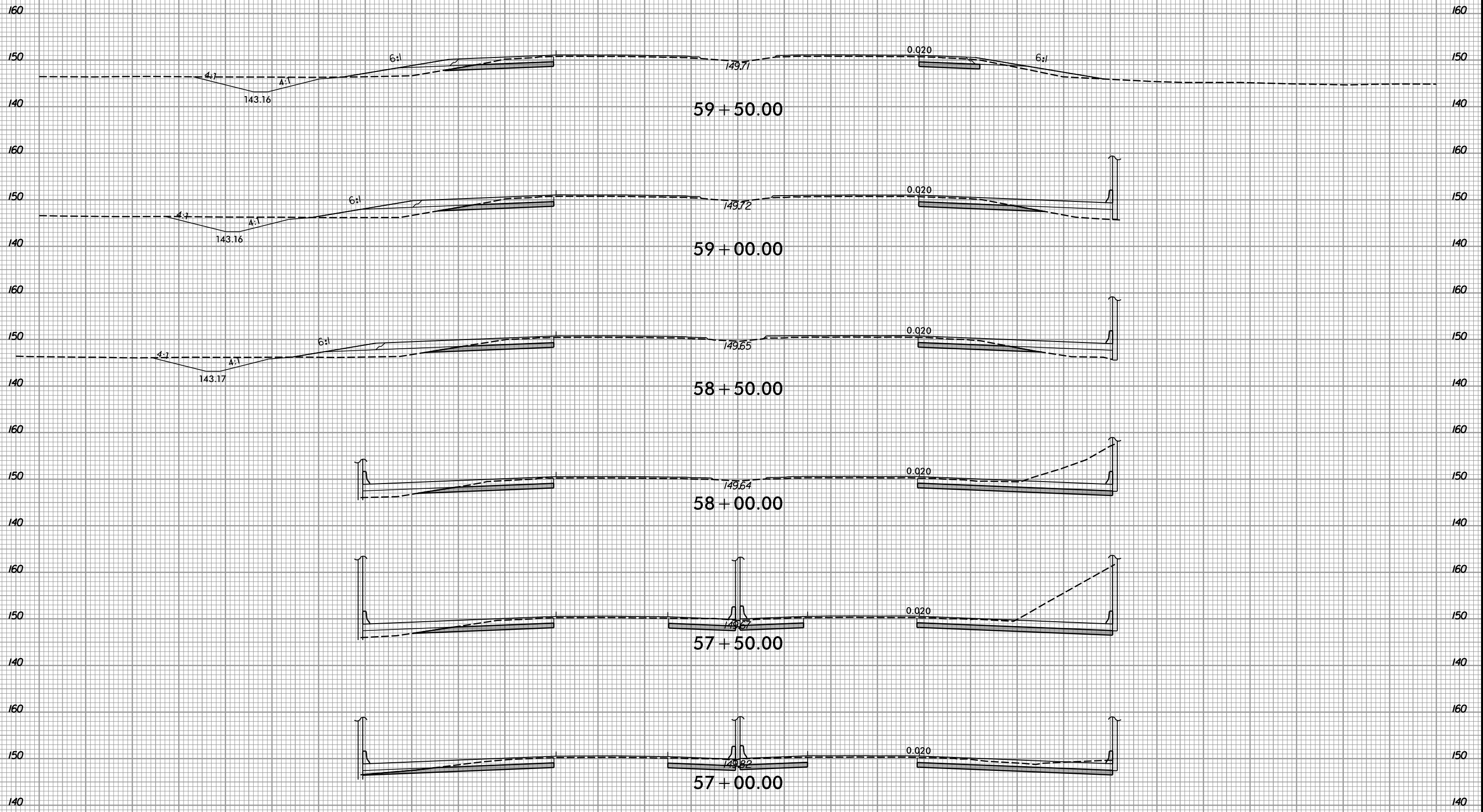
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PROJ. REFERENCE NO.  
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SHEET NO.  
X-11

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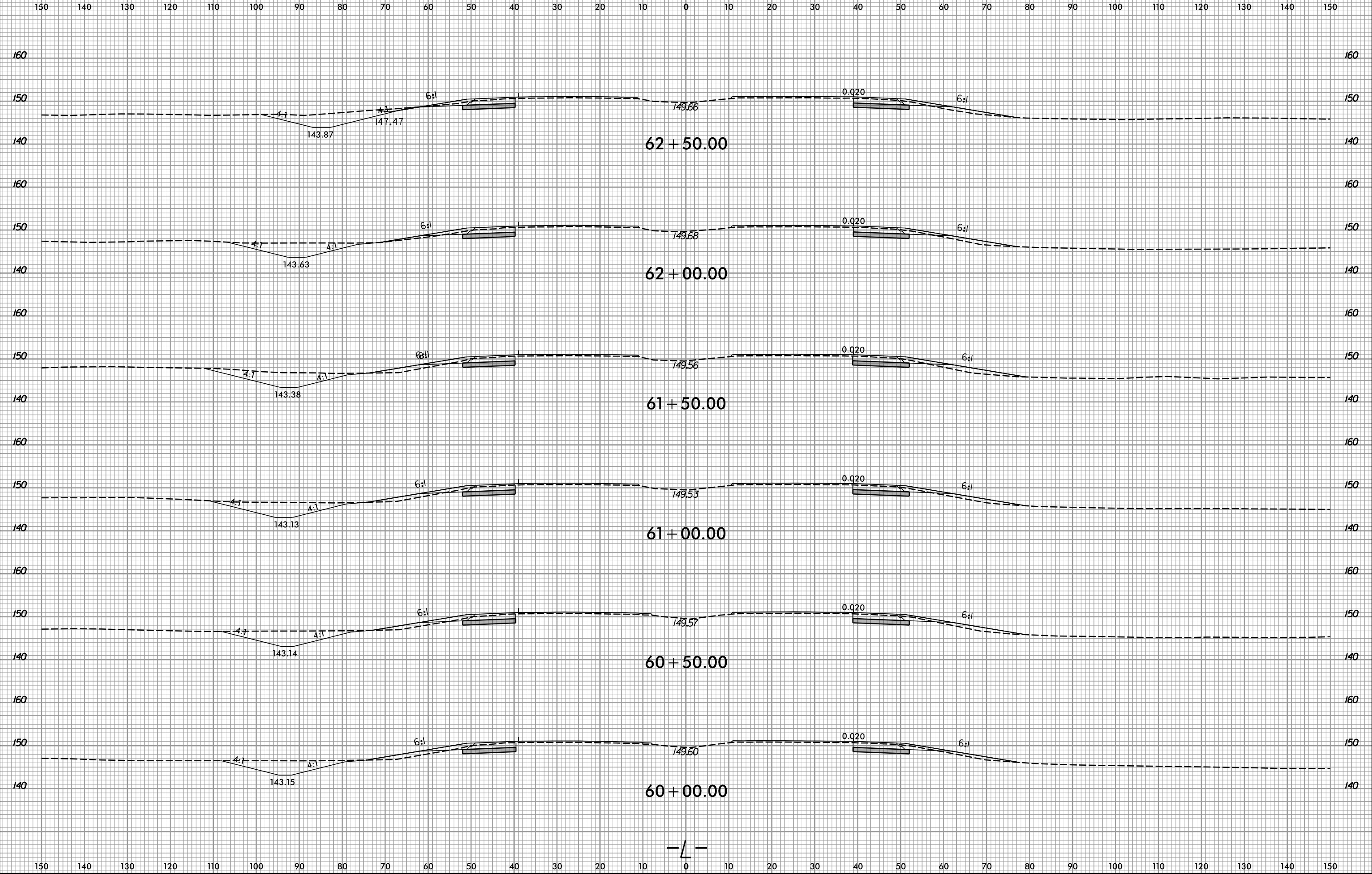
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PROJ. REFERENCE NO.  
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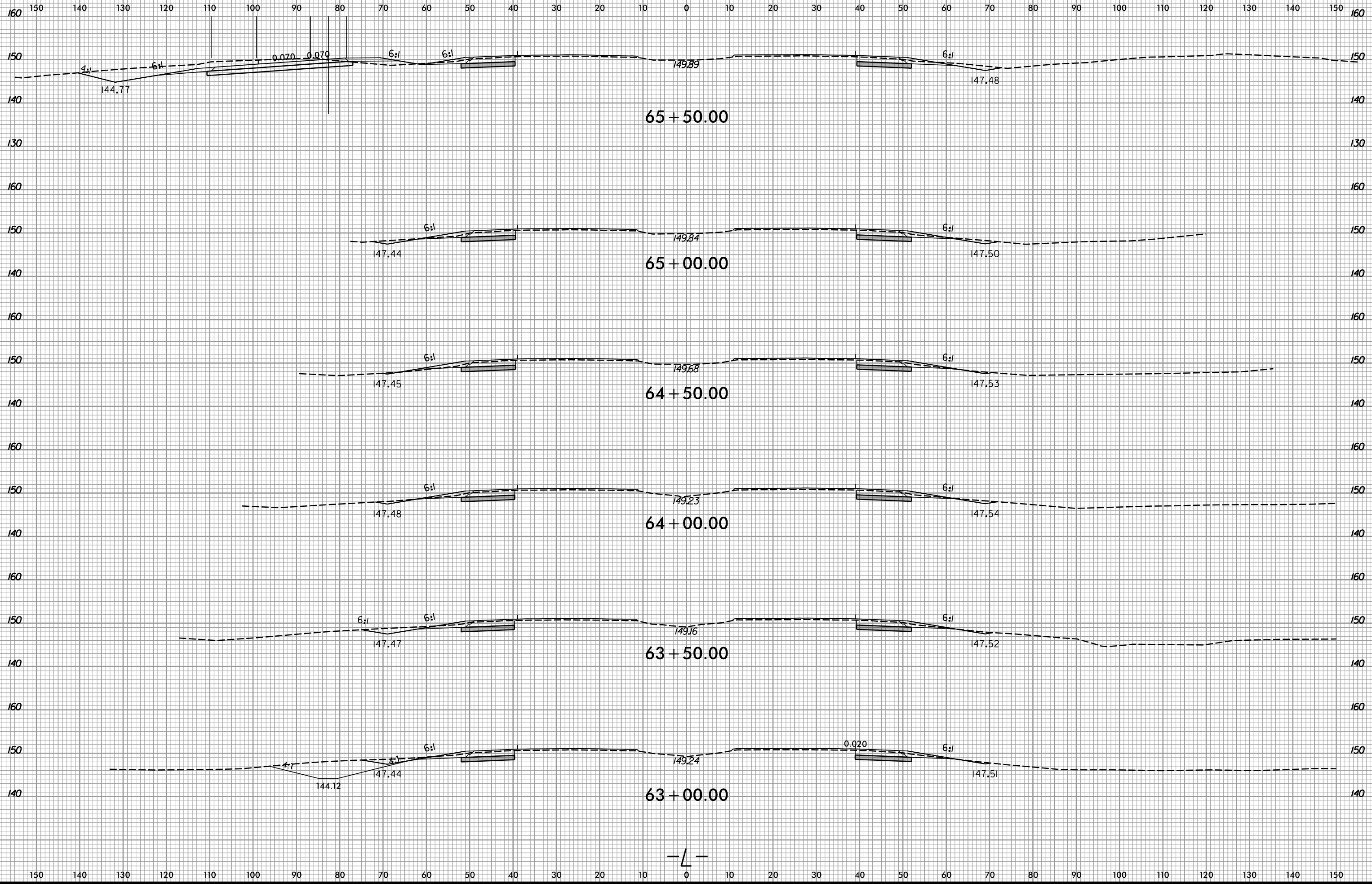
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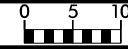
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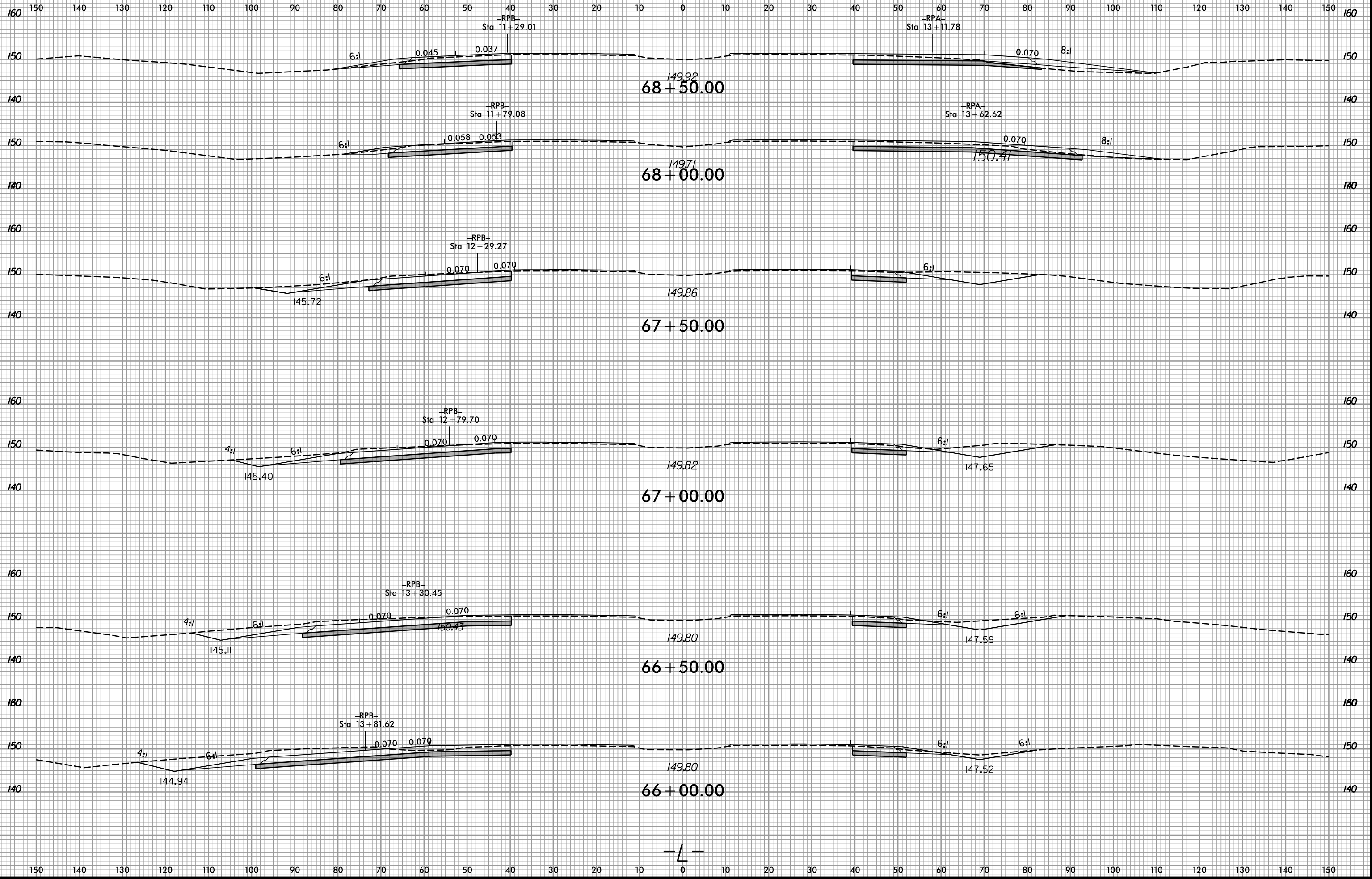
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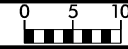
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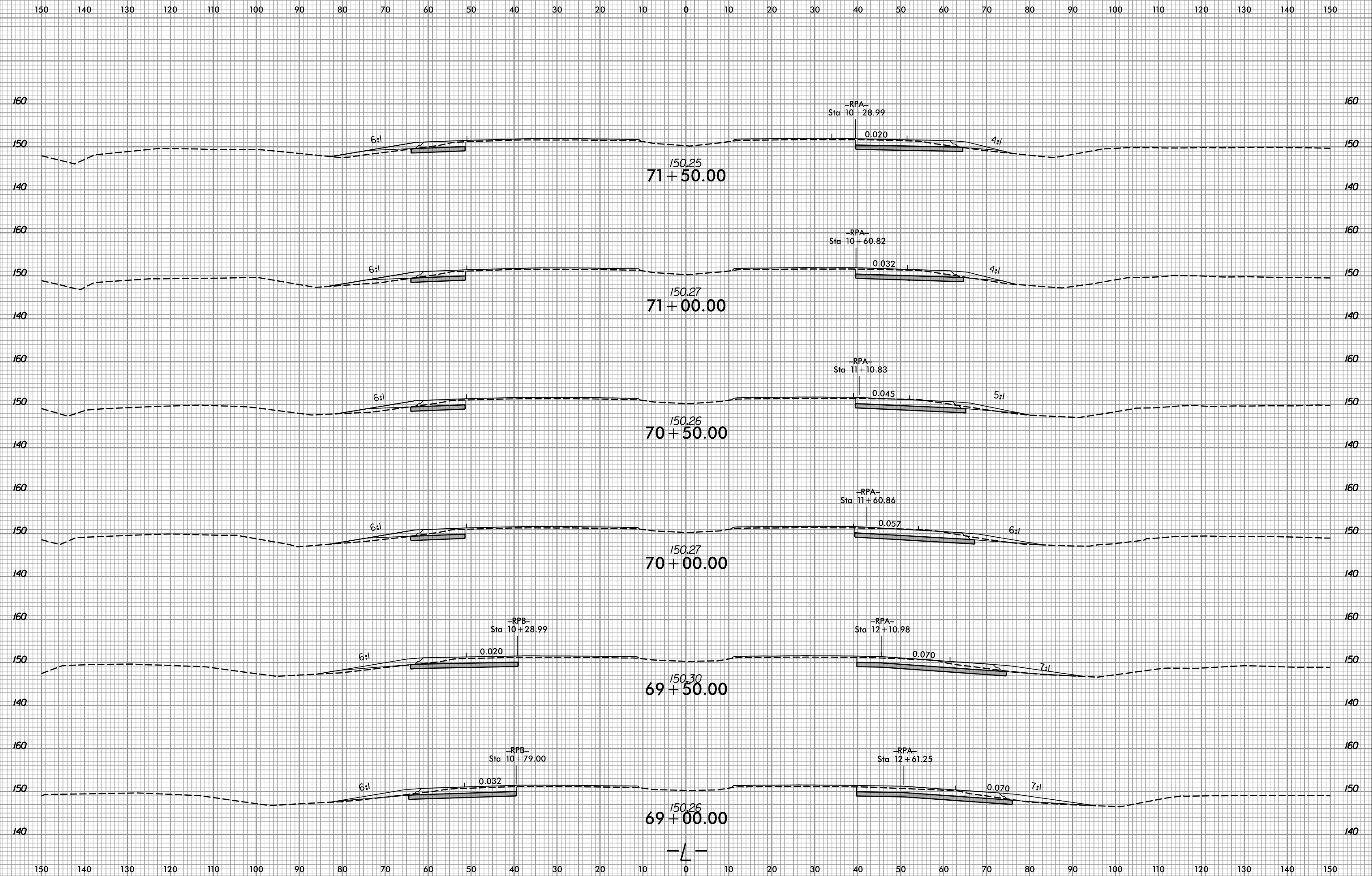
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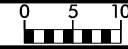
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SHEET NO. X-15



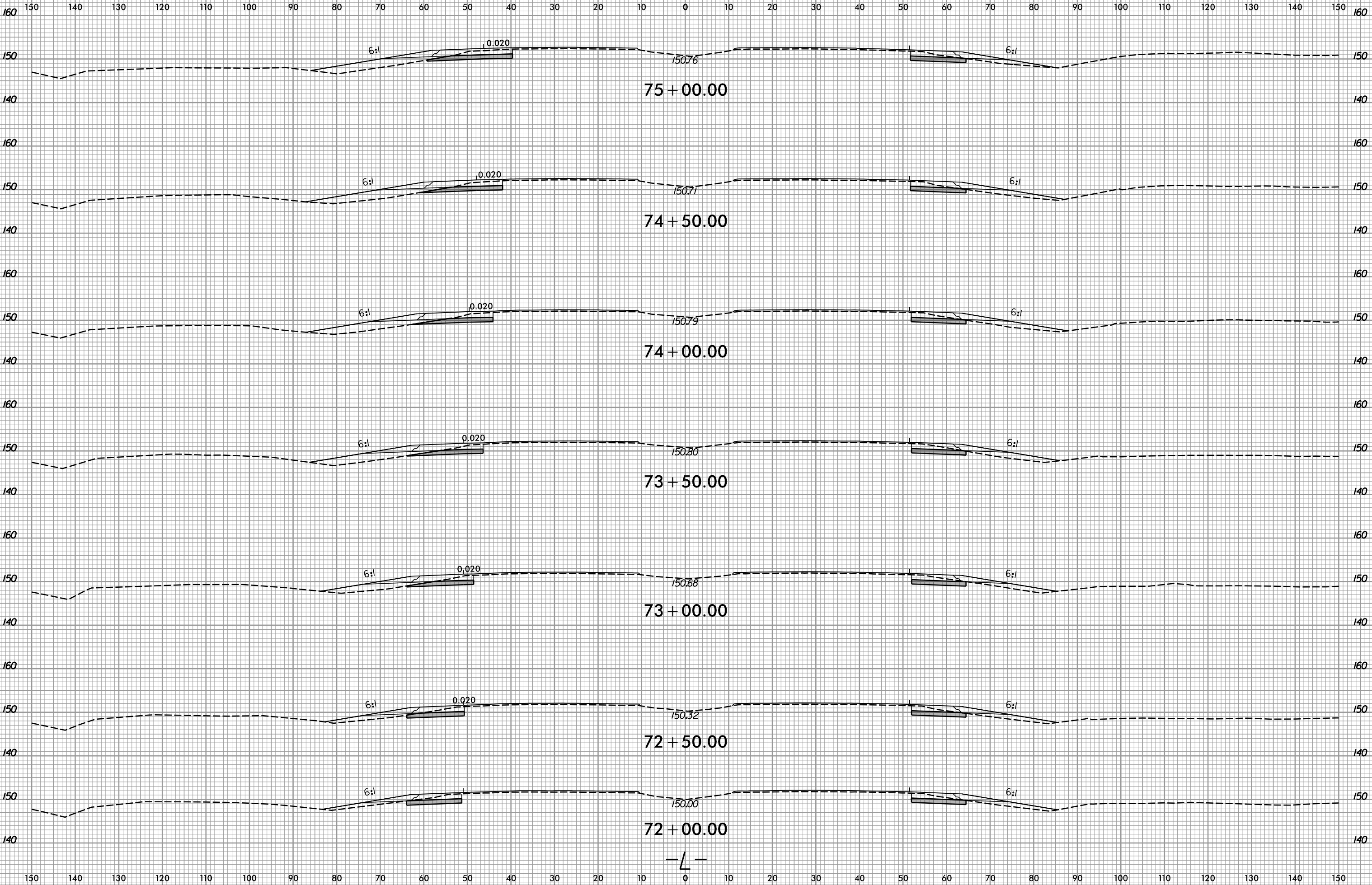
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gsals

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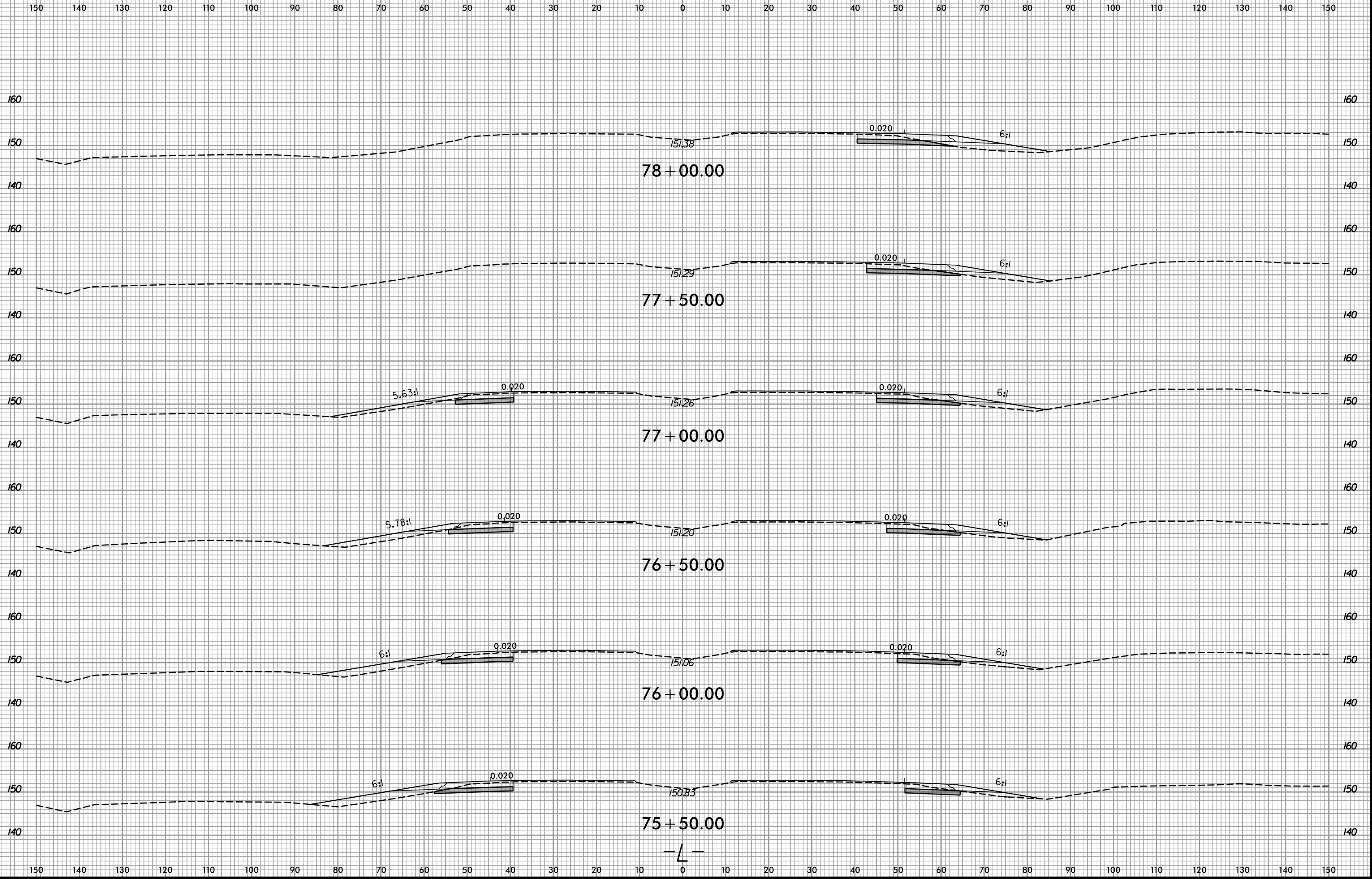


PROJ. REFERENCE NO.  
I-5972

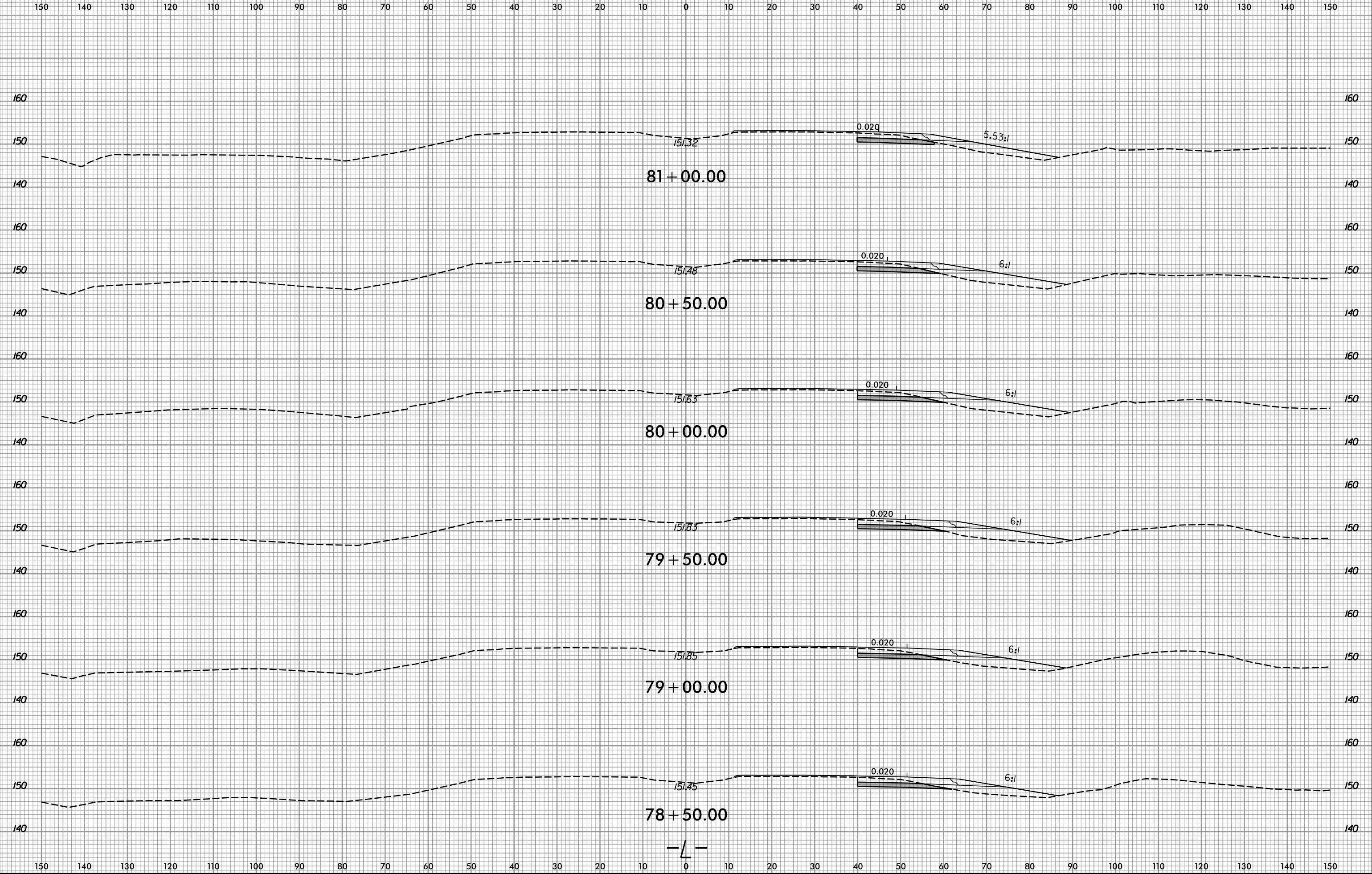
SHEET NO.  
X-16



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gssals

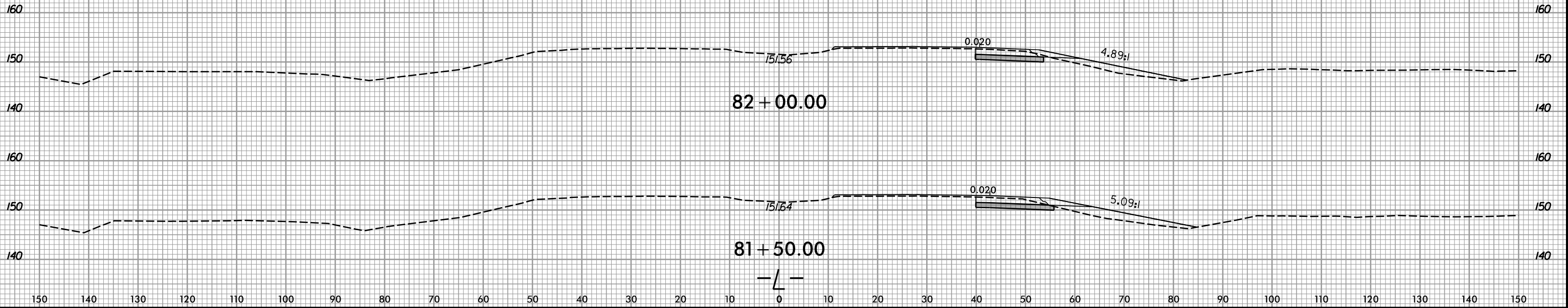








150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

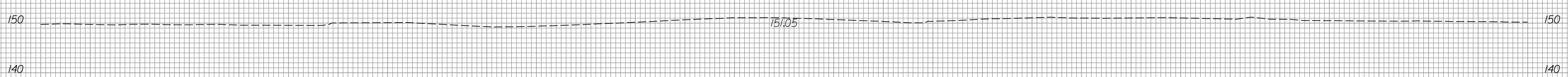
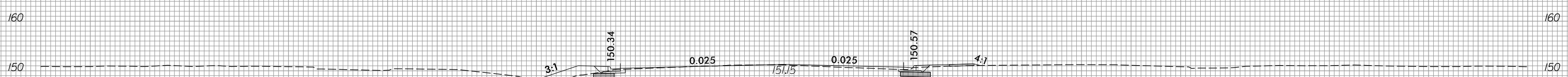
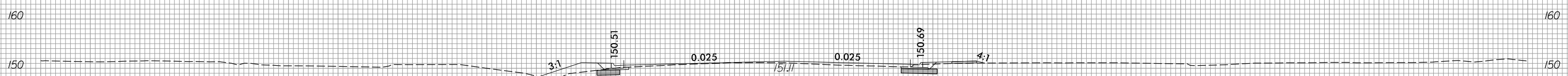
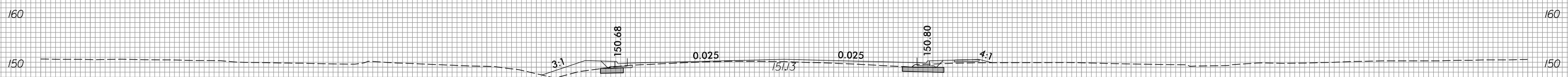
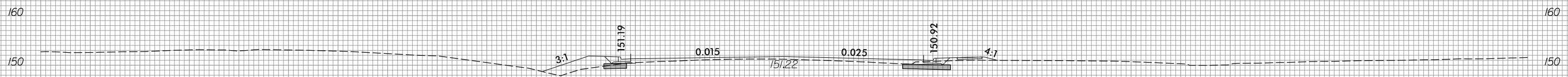


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PROJ. REFERENCE NO.	SHEET NO.
I-5972	X-20

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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 cheller

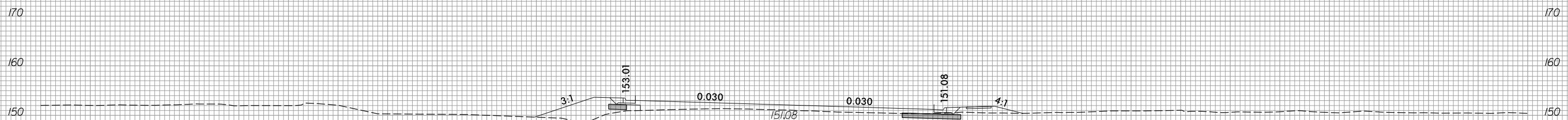
6/23/16



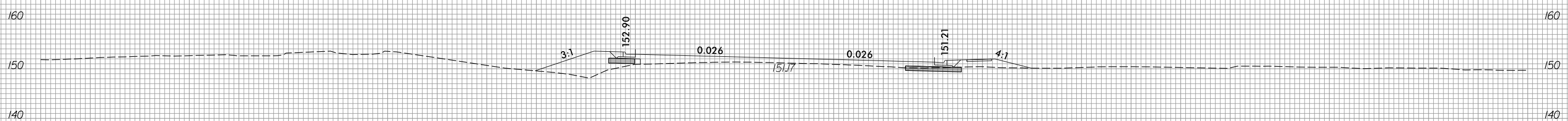
PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-21

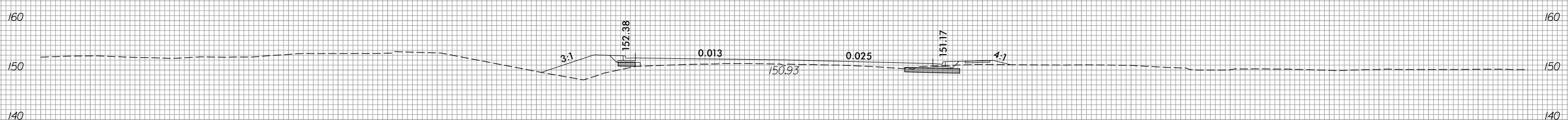
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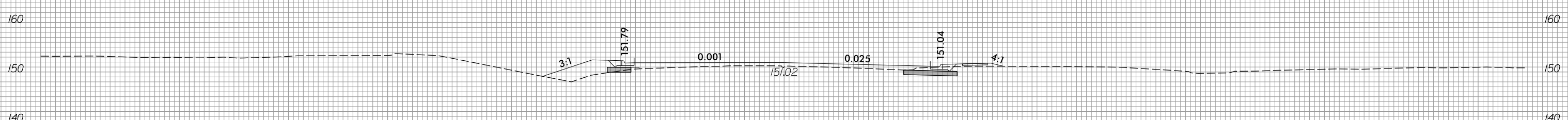
25+50.00



25+00.00



24+50.00



24+00.00

-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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dwg1.dwg

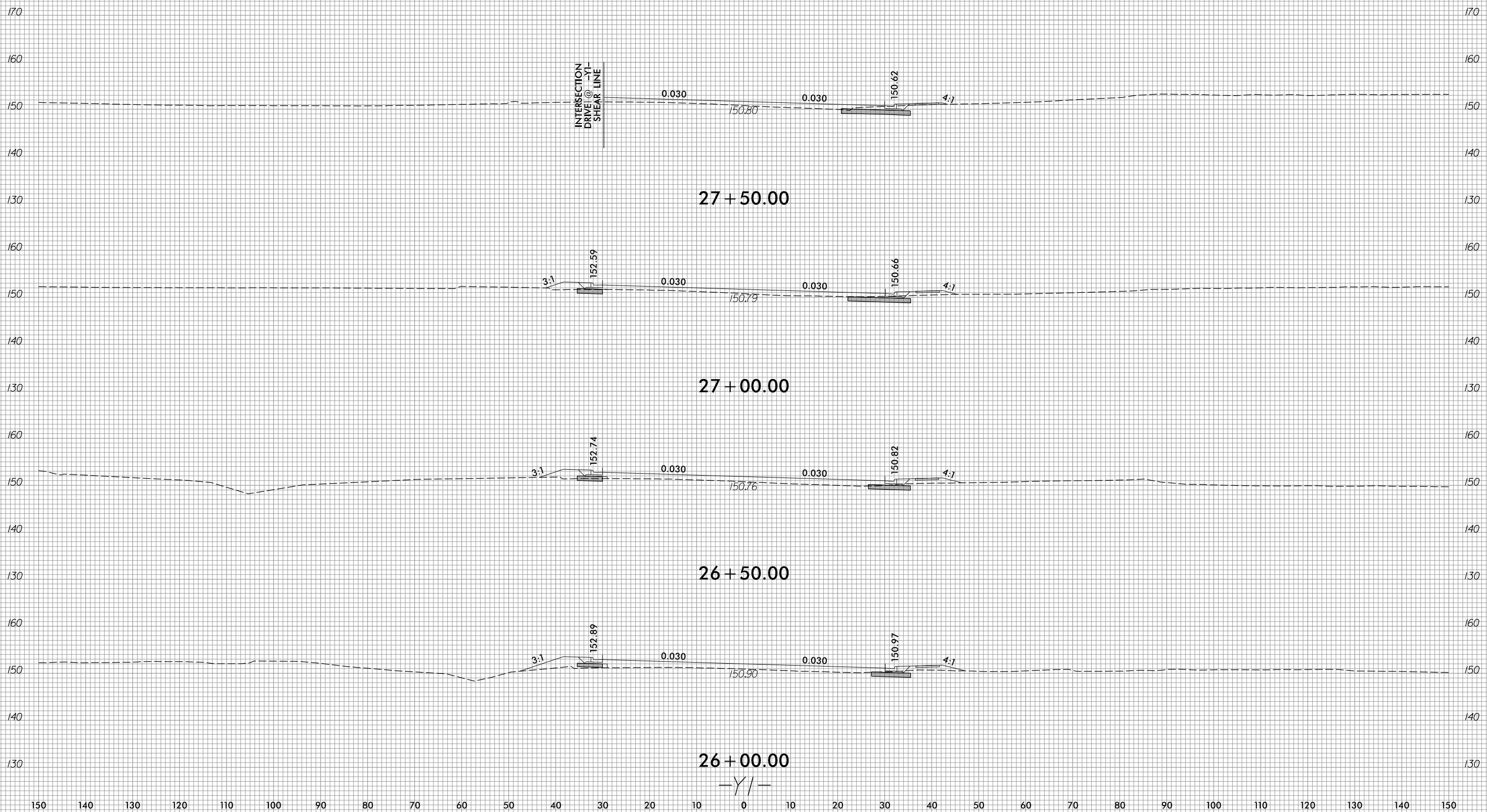
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-22

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



11/7/2023  
R:\Roadway\XSC\15972\_Rdy\_xpl.dgn  
dwg1.dwg

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

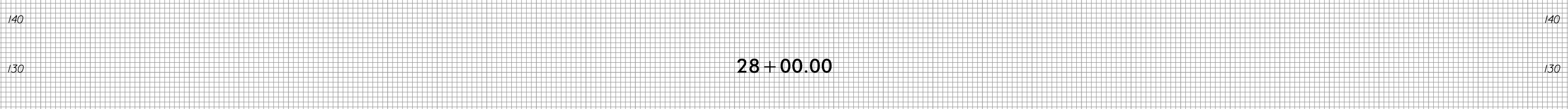
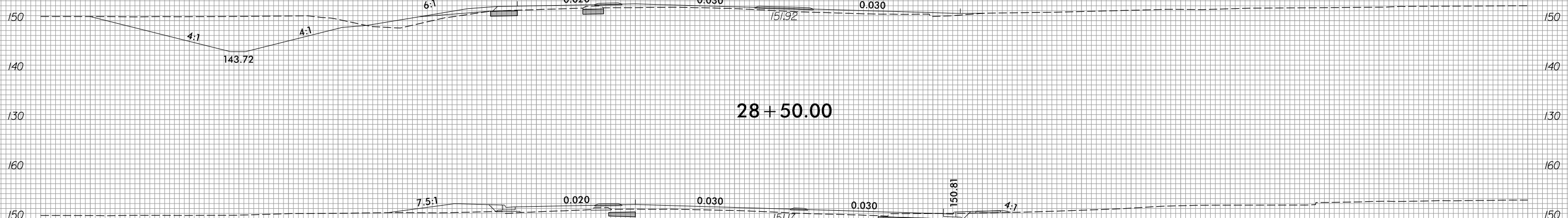
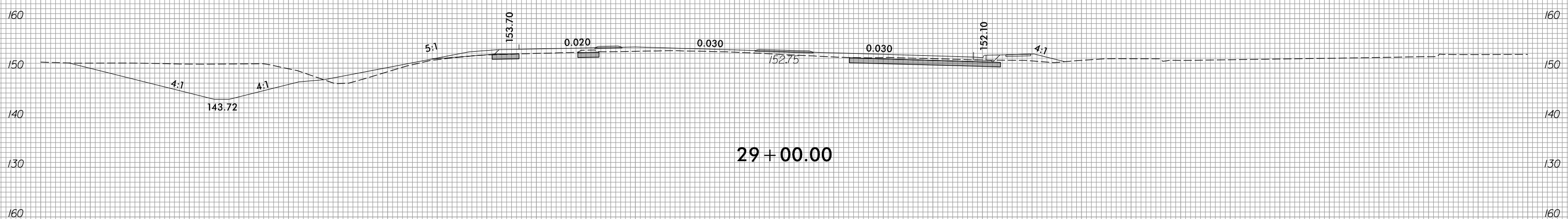
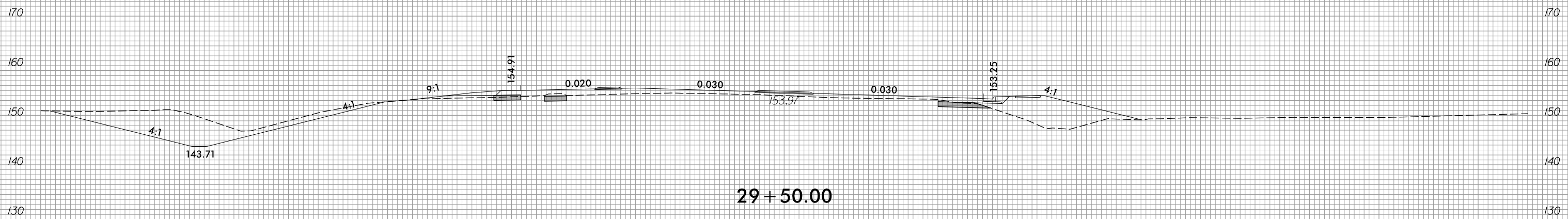
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-23

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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dwg

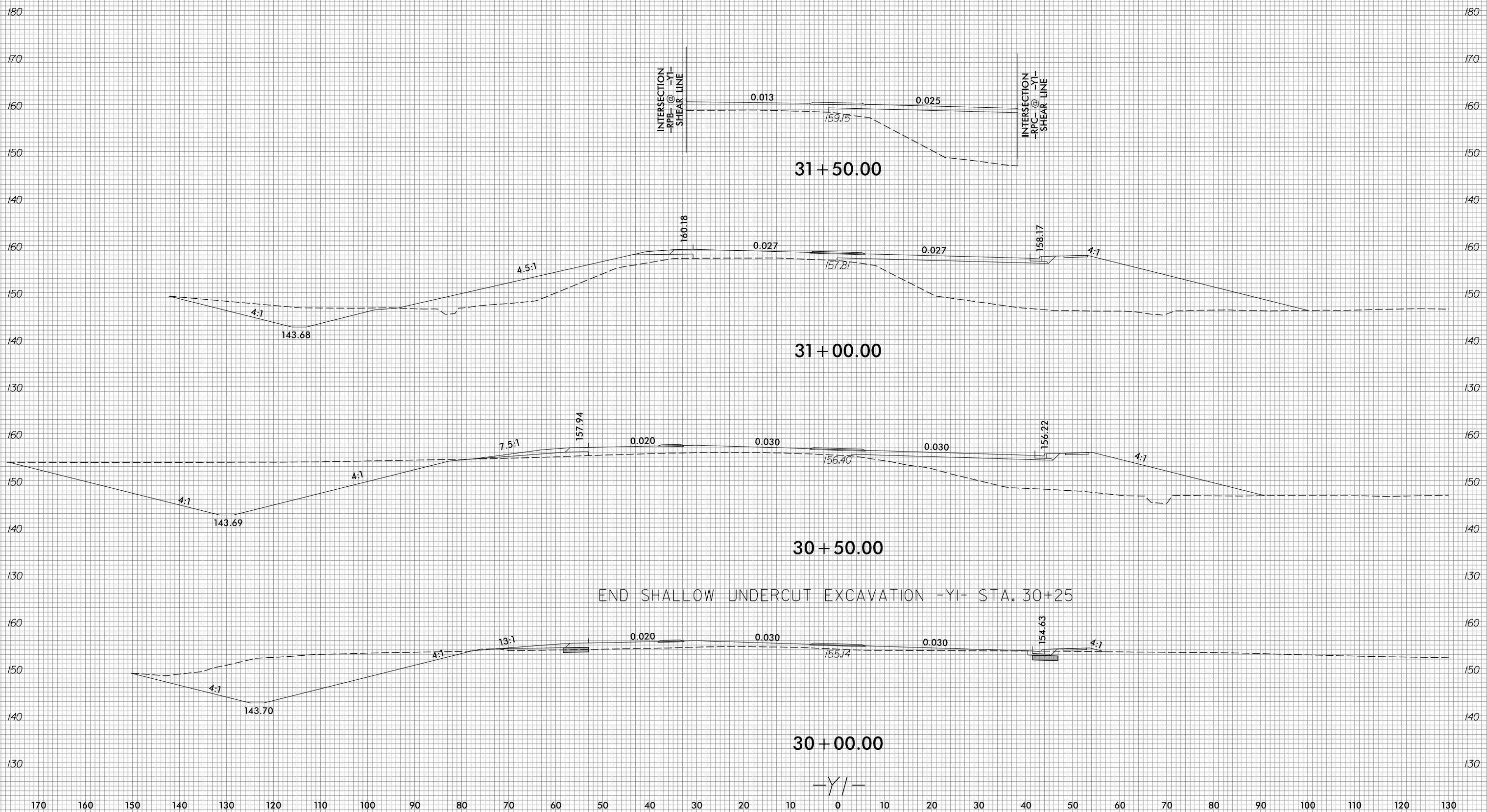
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-24

170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

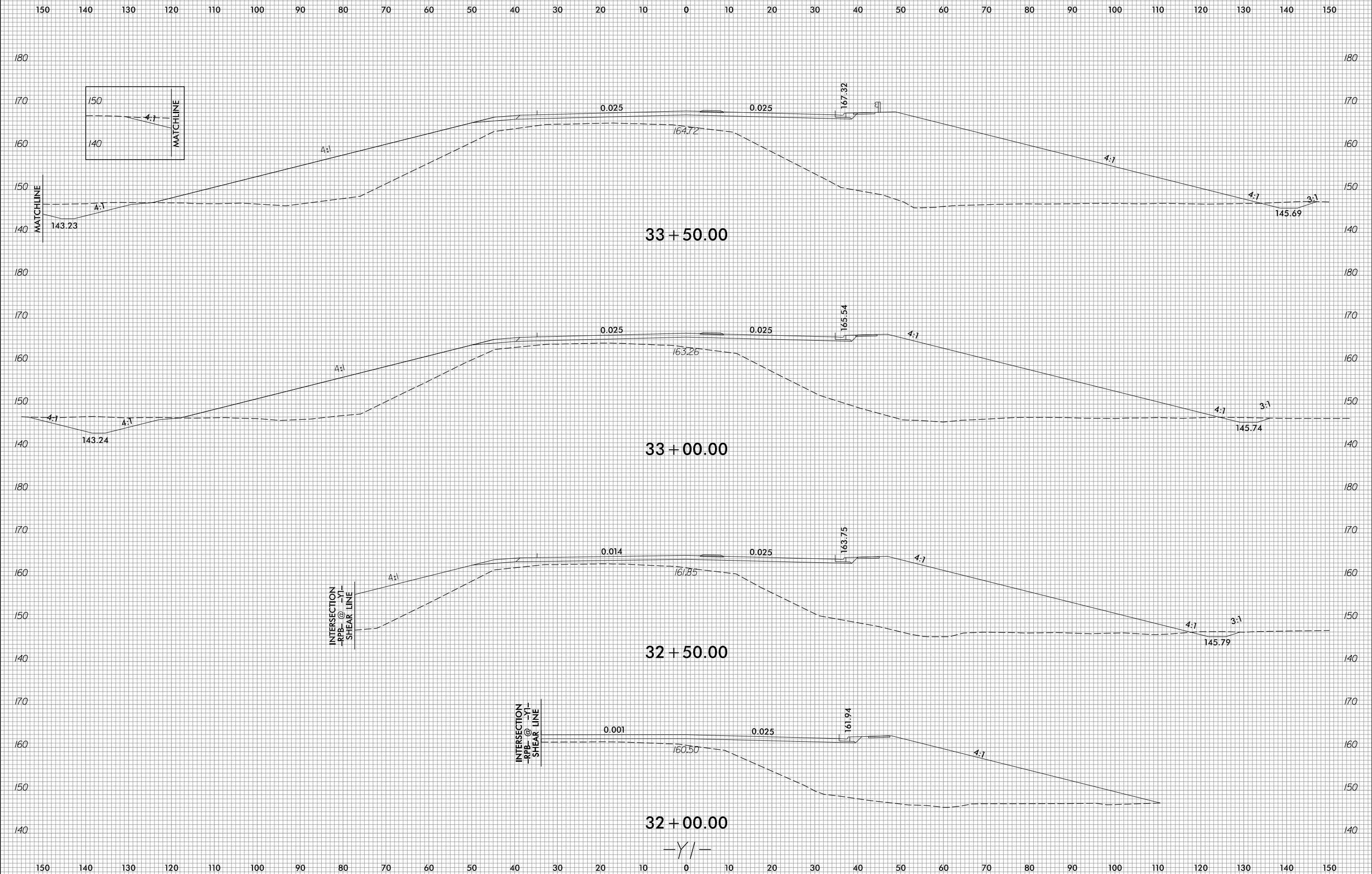


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6/23/16



PROJ. REFERENCE NO.	SHEET NO.
I-5972	X-25

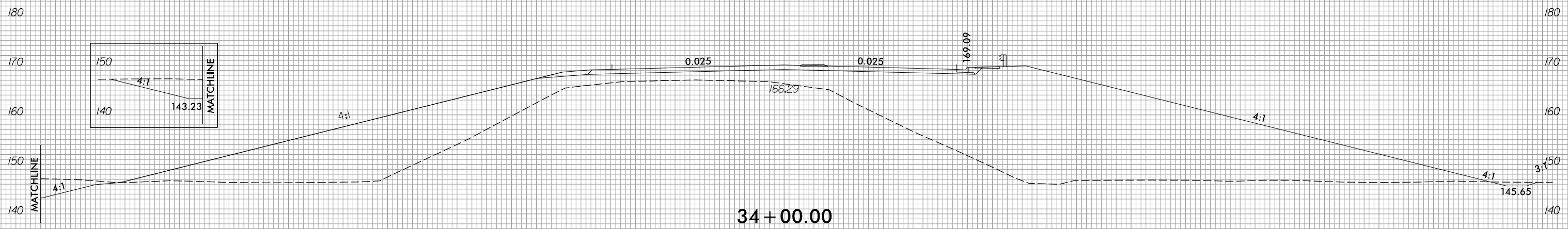
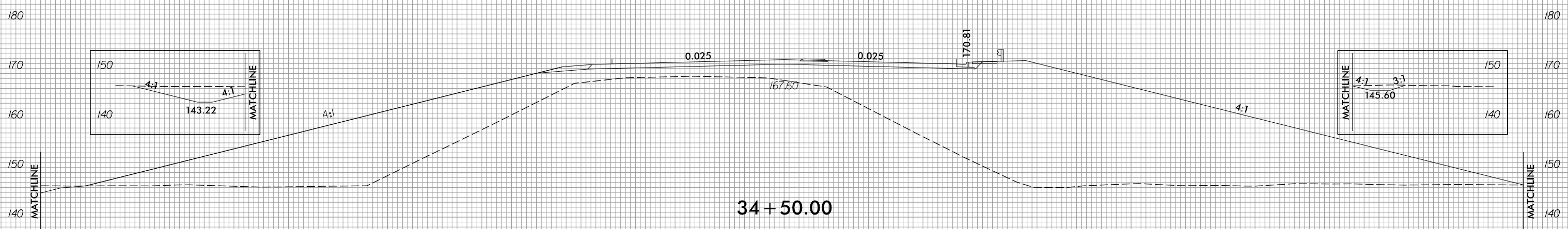
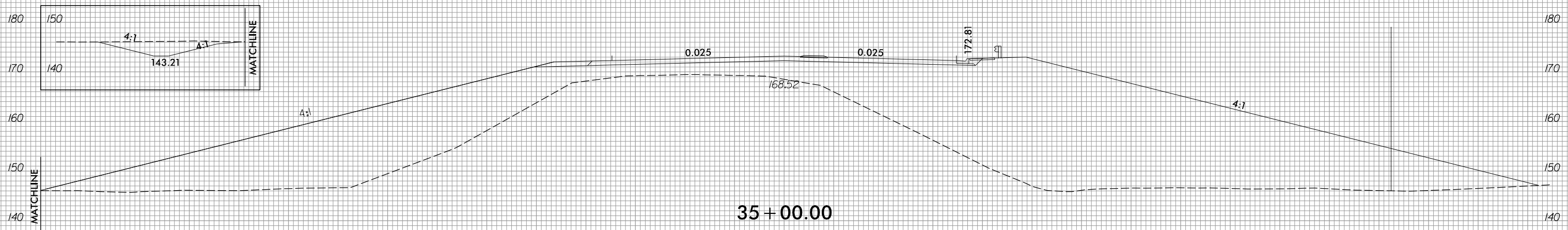


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dwg1.rvt



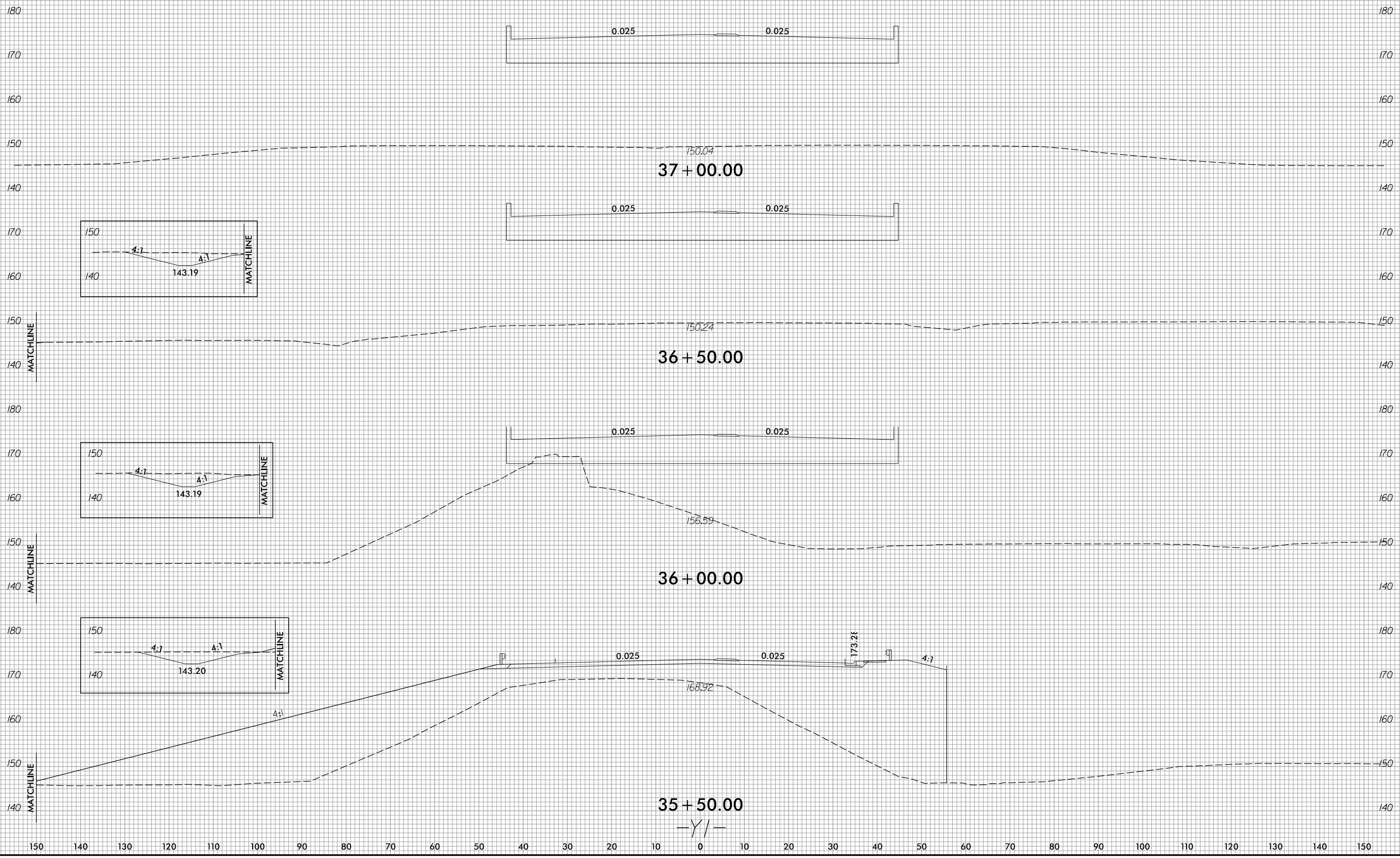


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



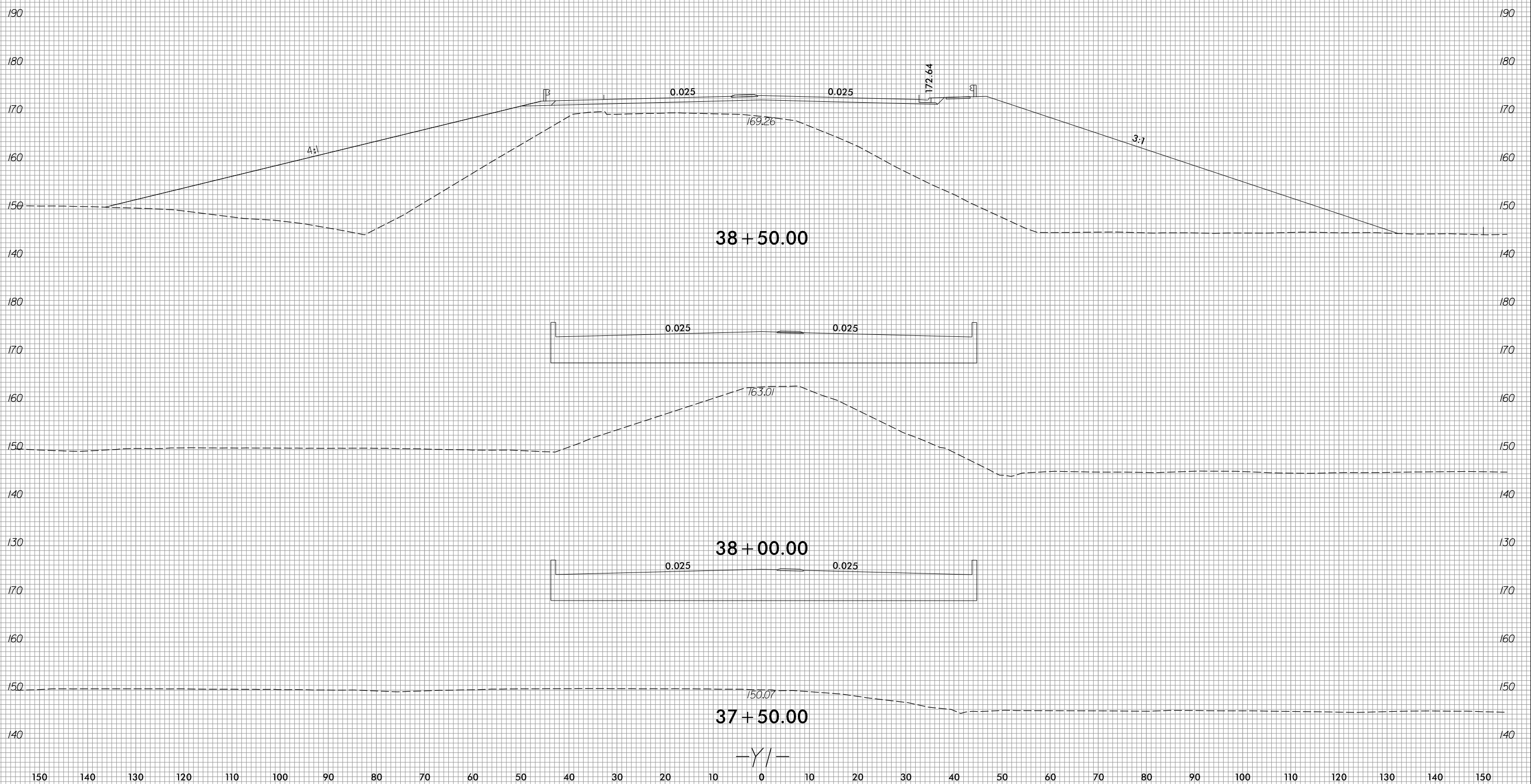
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PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-28

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



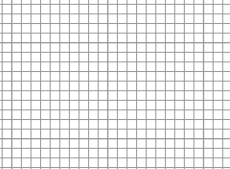
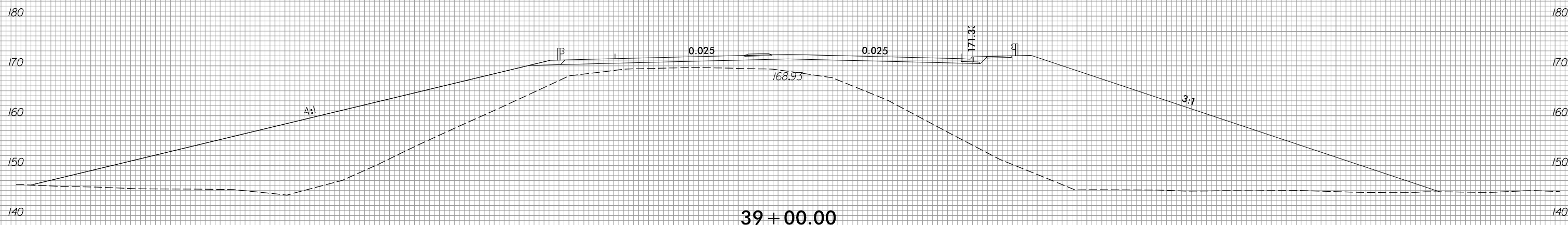
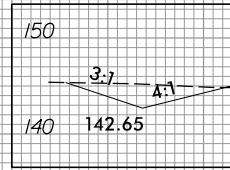
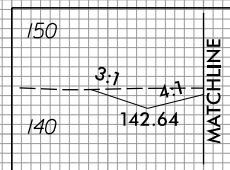
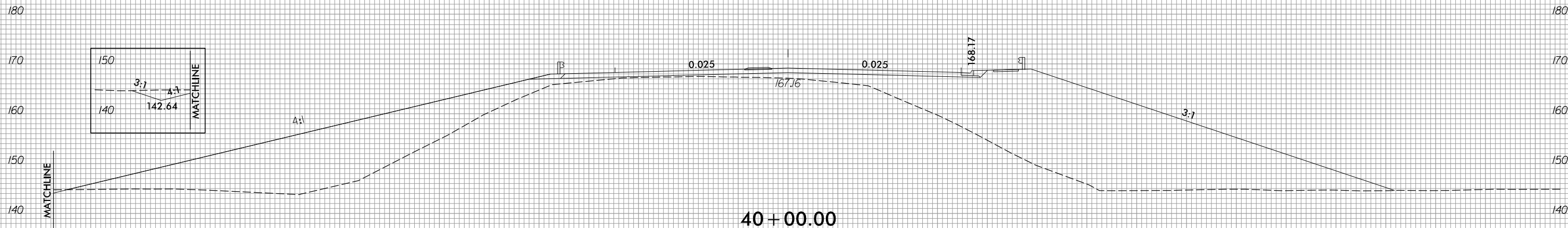
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dwg1.dwg

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

-Y/-



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



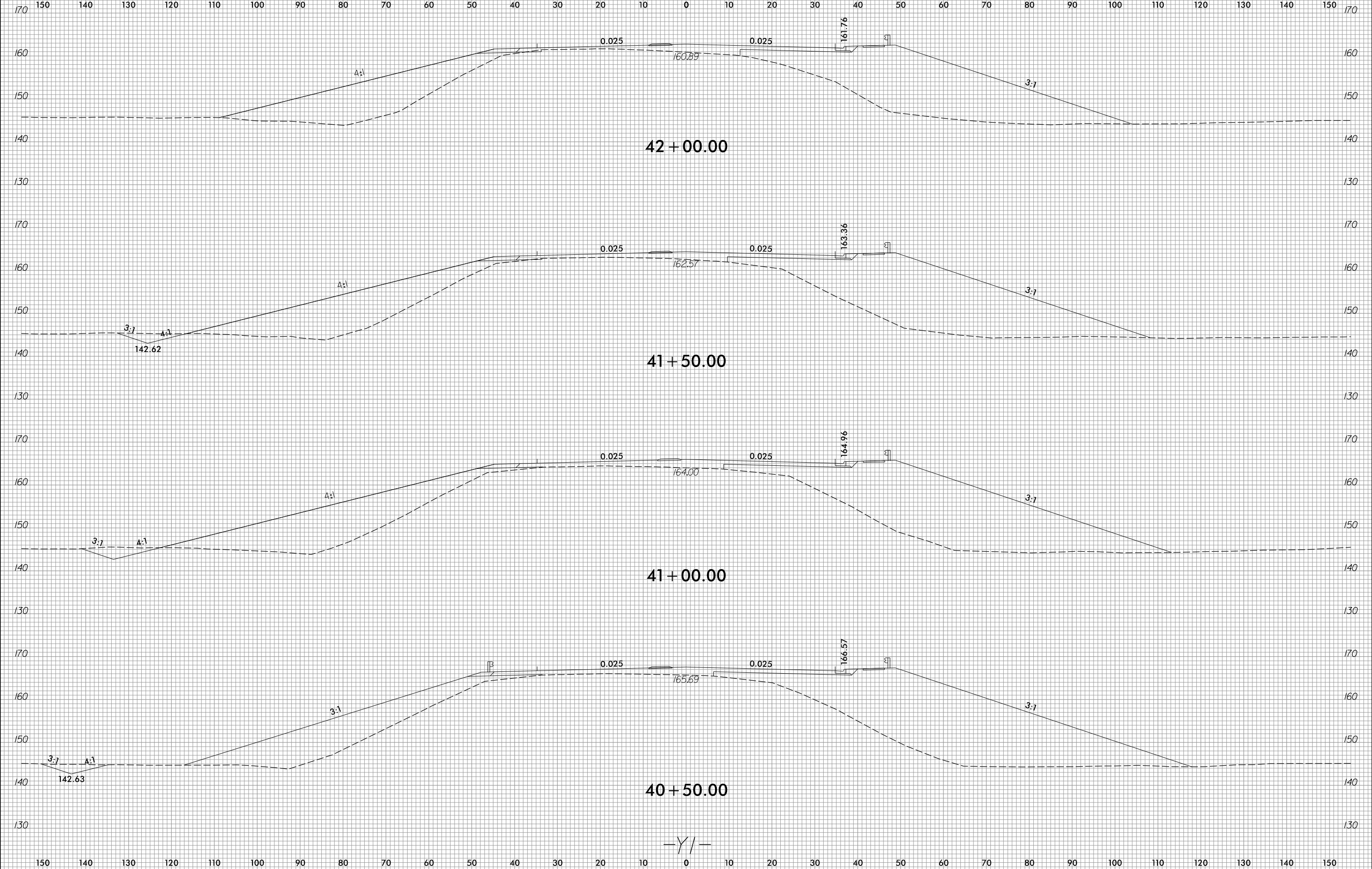
-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/23/16

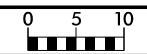


PROJ. REFERENCE NO.	SHEET NO.
I-5972	X-30

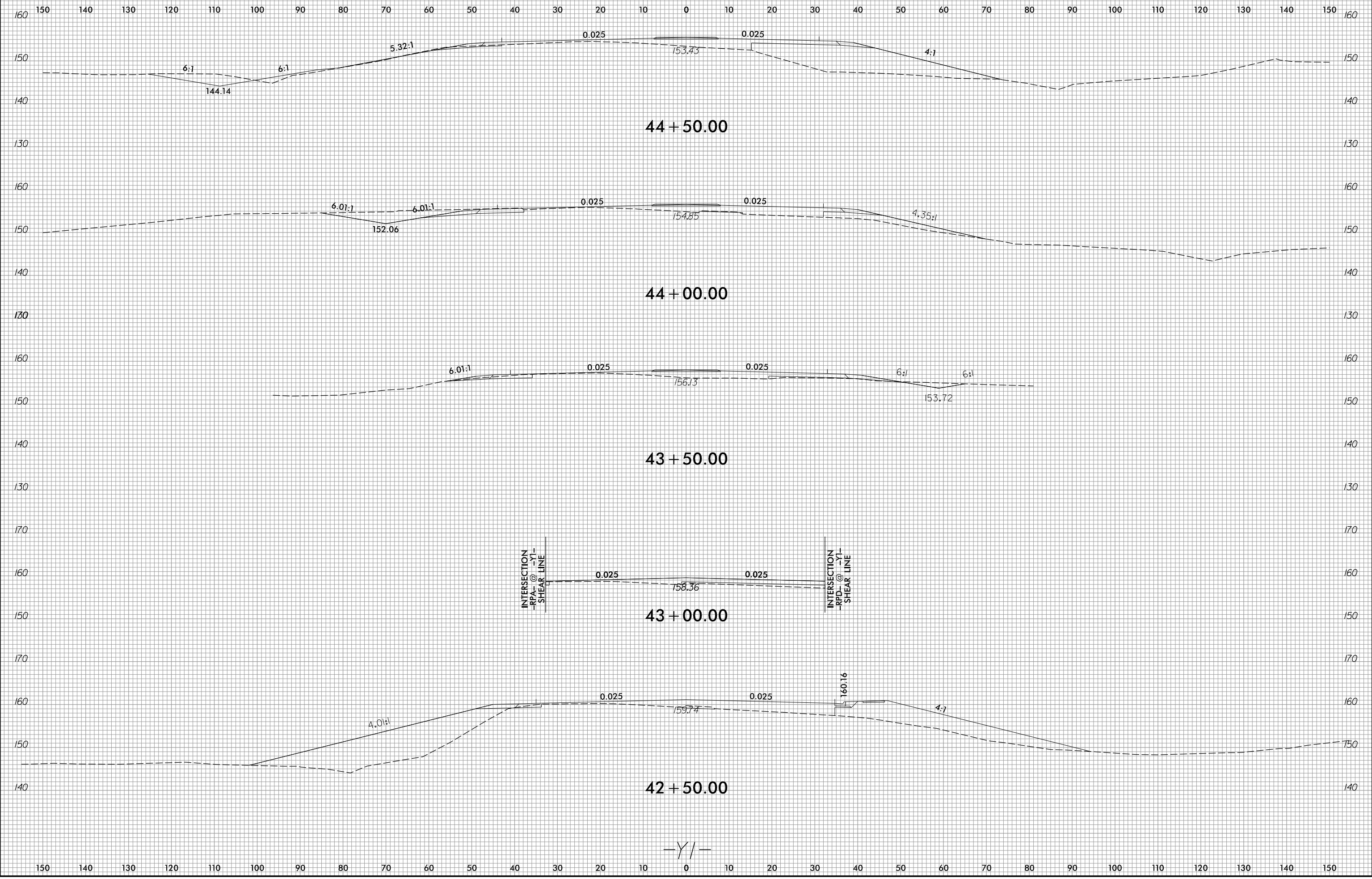


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PROJ. REFERENCE NO.	SHEET NO.
I-5972	X-31



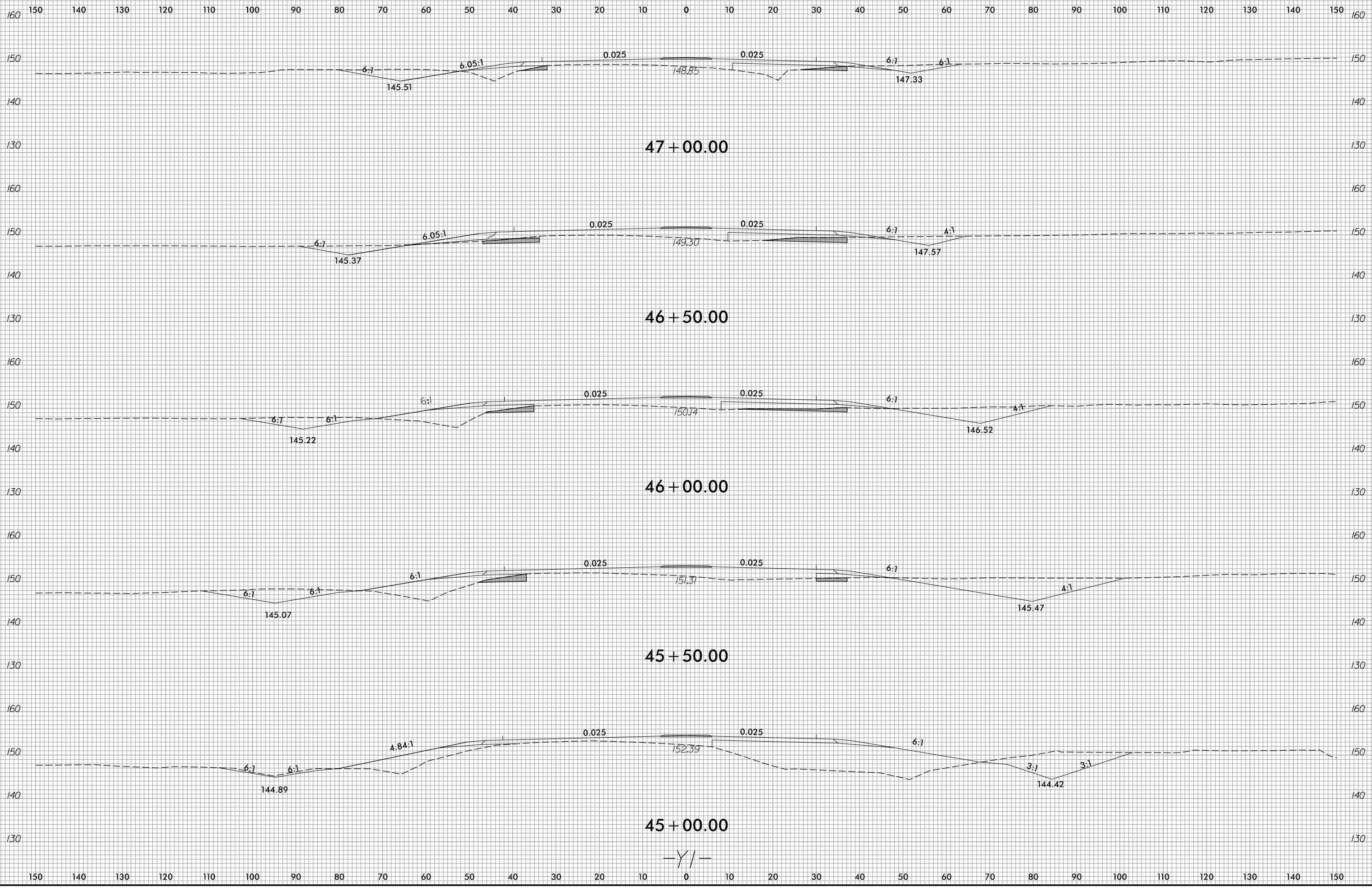
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dwg1.rvt

6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-32



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dwg

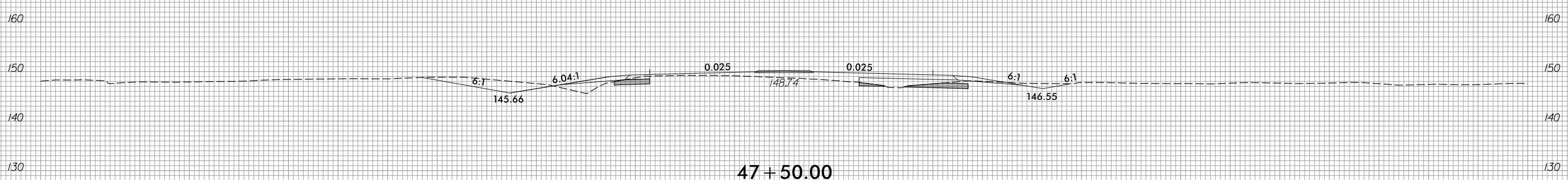
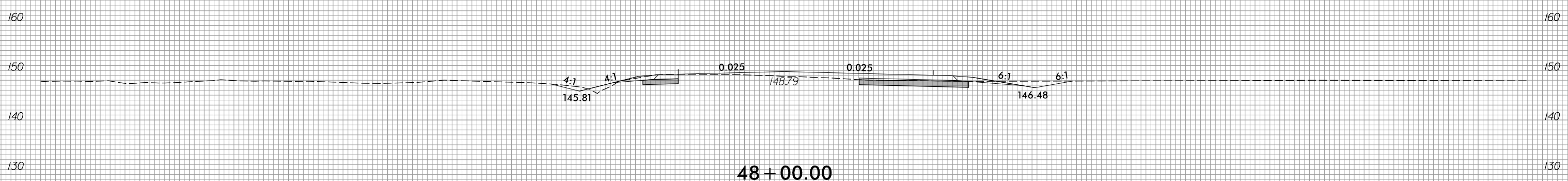
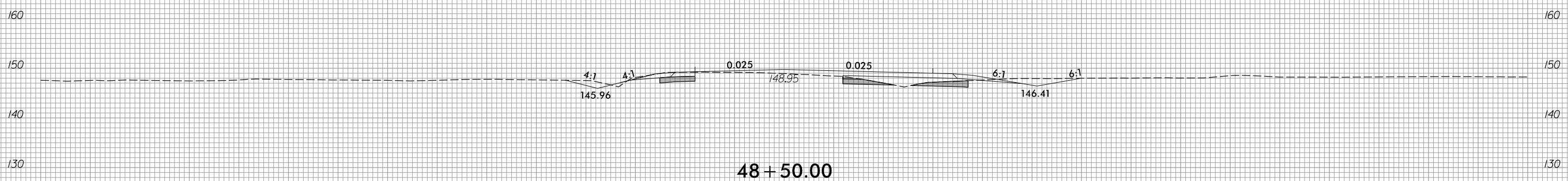
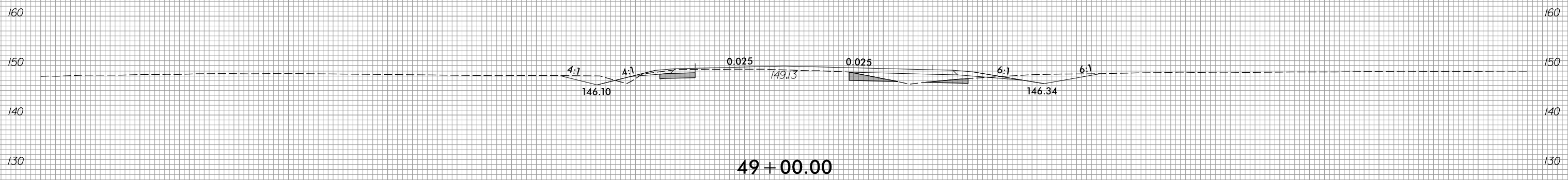
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-33

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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dwg



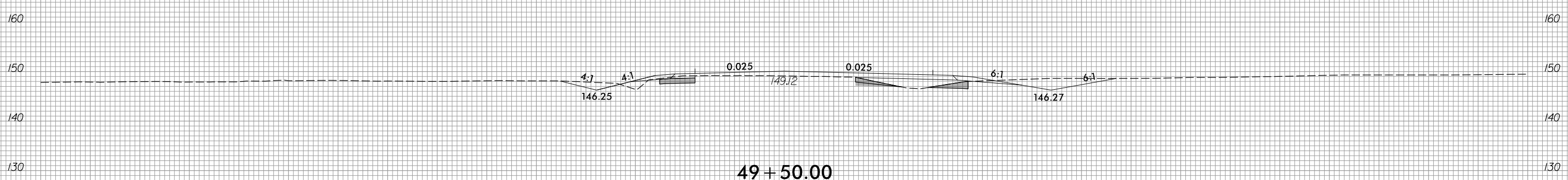
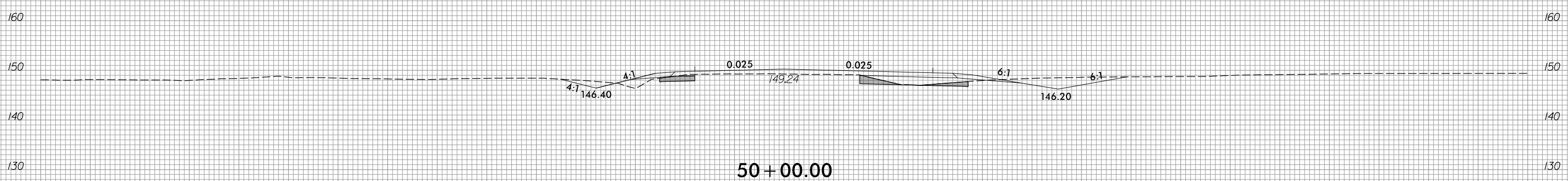
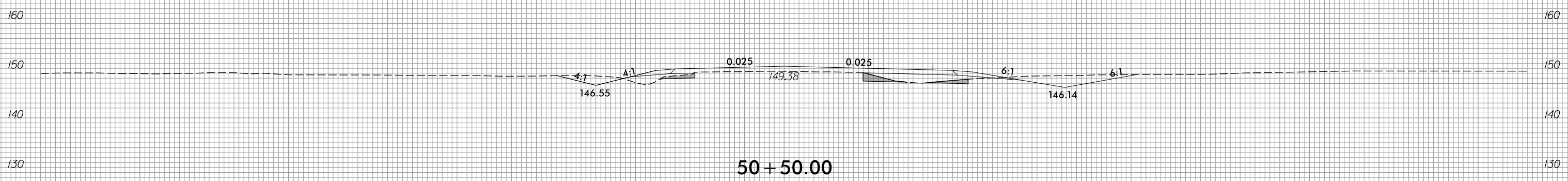
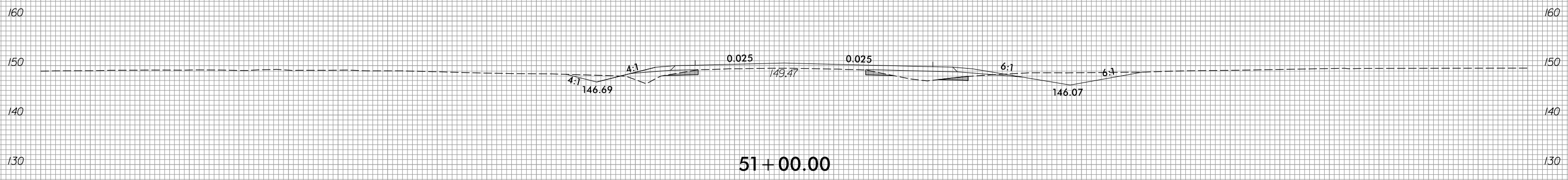
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-34

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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dwg

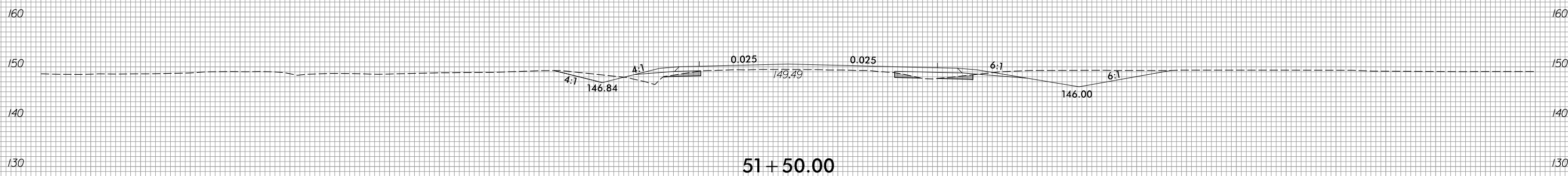
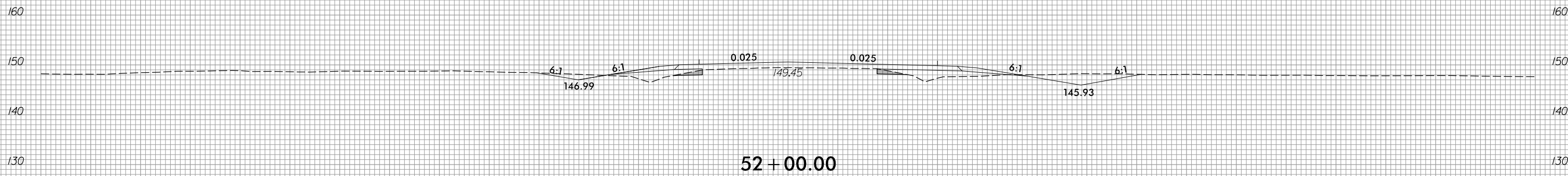
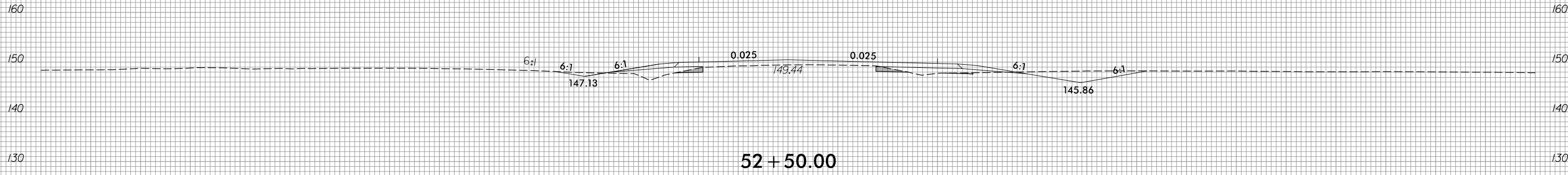
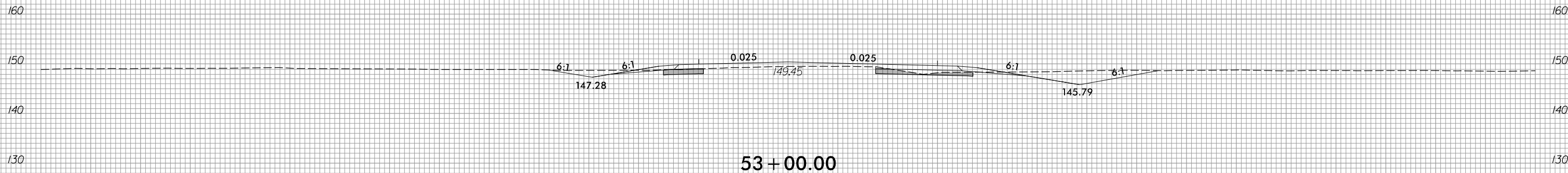
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-35

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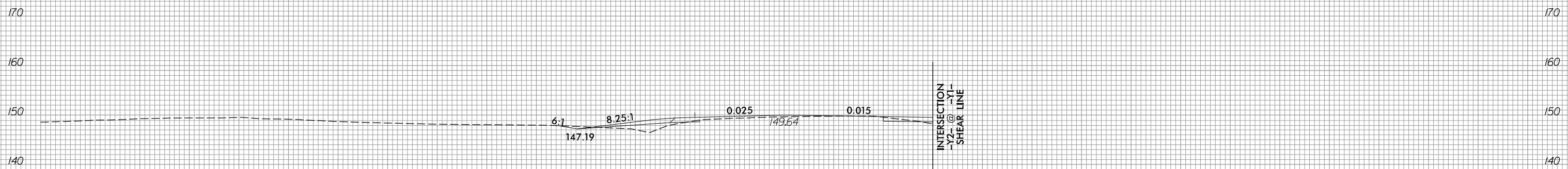
-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

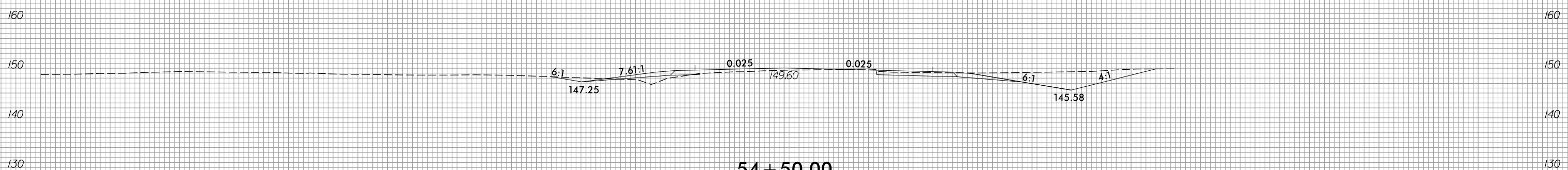
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dwg



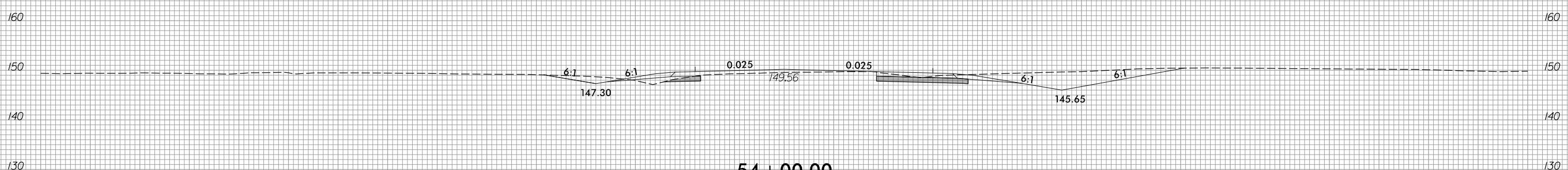
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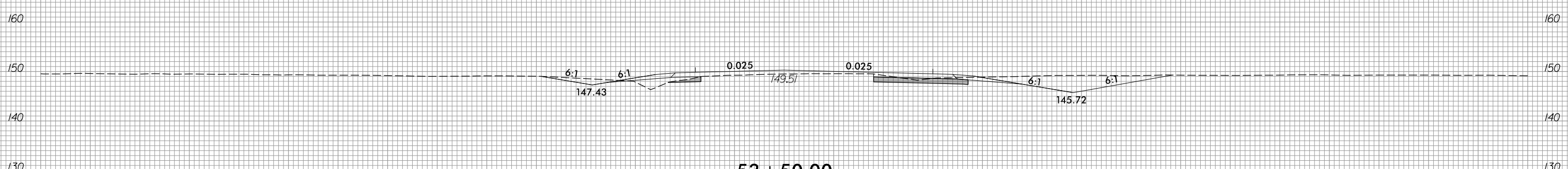
55 + 00.00



54 + 50.00



54 + 00.00



53 + 50.00

-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

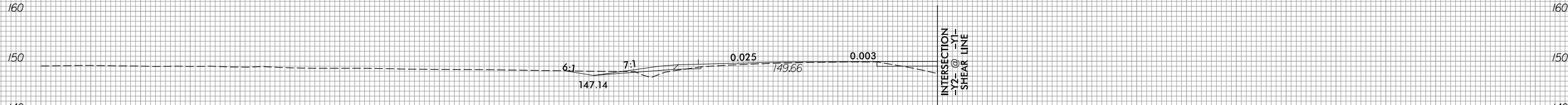
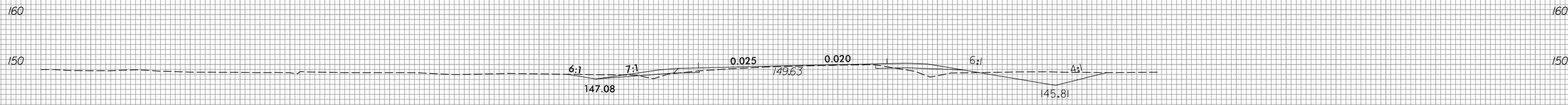
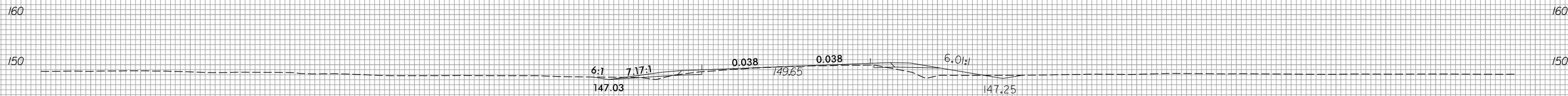
6/23/16



PROJ. REFERENCE NO.  
I-5972

SHEET NO.  
X-37

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-Y/-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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dwg