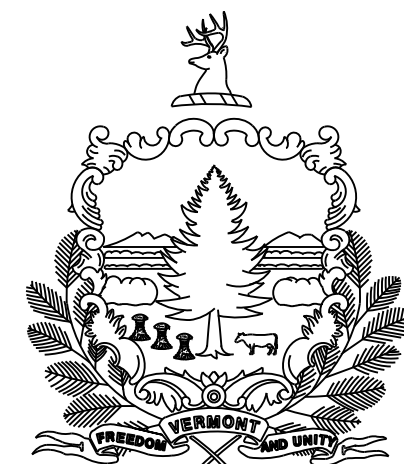


STATE OF VERMONT
AGENCY OF TRANSPORTATION

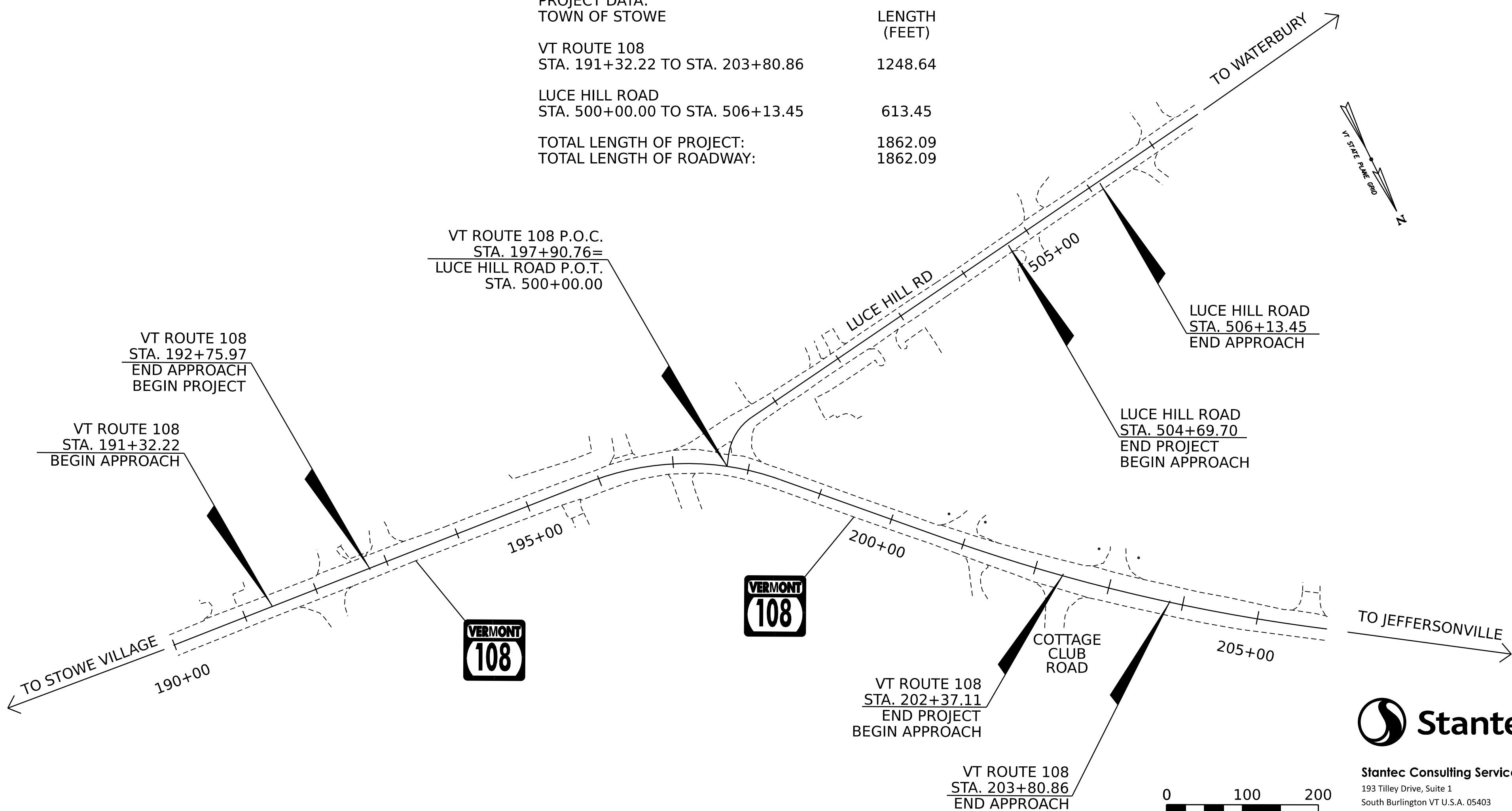


PROPOSED IMPROVEMENT
TOWN OF STOWE
COUNTY OF LAMOILLE
VT ROUTE 108 (MAJOR COLLECTOR) AND LUCE HILL ROAD (MAJOR COLLECTOR)

BEGINNING IN THE TOWN OF STOWE AT STA. 191+32.22 AND EXTENDING NORTHERLY ALONG VT ROUTE 108 FOR A DISTANCE OF 1,248.64 FT (0.237 MILES) TO STA. 203+80.86 AND BEGINNING AT THE INTERSECTION WITH VT ROUTE 108 AT STA. 500+00.00 AND EXTENDING WESTERLY ALONG LUCE HILL ROAD A DISTANCE OF 613.45 FT (0.116 MILES) TO STA. 506+13.45.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES THE REALIGNMENT OF LUCE HILL ROAD TO CREATE A T-INTERSECTION AT VT ROUTE 108. THE RECONFIGURED INTERSECTION WILL INCLUDE SIGNALS ON EACH LEG OF THE INTERSECTION, A NORTHBOUND LEFT TURN LANE AND SOUTHBOUND RIGHT TURN LANE ON ROUTE 108, A LEFT TURN LANE AND RIGHT TURN LANE ON LUCE HILL ROAD, A PEDESTRIAN CROSSING, ACCESSIBLE LANDINGS AND CONNECTING SIDEWALKS.

PROJECT DATA:	
TOWN OF STOWE	LENGTH (FEET)
VT ROUTE 108 STA. 191+32.22 TO STA. 203+80.86	1248.64
LUCE HILL ROAD STA. 500+00.00 TO STA. 506+13.45	613.45
TOTAL LENGTH OF PROJECT:	1862.09
TOTAL LENGTH OF ROADWAY:	1862.09



CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2024, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JUNE 27, 2023 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2
SURVEYED BY : VTRANS
SURVEYED DATE : 2024
DATUM
VERTICAL NAVD 88
HORIZONTAL NAD 83 (2011)



Stantec Consulting Services Inc.
193 Tilley Drive, Suite 1
South Burlington VT U.S.A. 05403
Phone: (802) 864-0223
www.stantec.com

CONCEPTUAL PLANS
29-AUG-2024

HIGHWAY DIVISION, CHIEF ENGINEER
APPROVED _____ DATE _____
PROJECT MANAGER : TAYLOR SISSON, P.E
PROJECT NAME : STOWE
PROJECT NUMBER : STP 0235(24)
SHEET 1 OF 31 SHEETS

INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS
3	CONVENTIONAL SYMBOLOGY LEGEND SHEET
4-5	TYPICAL SECTION SHEETS
6	DETAIL SHEET
7-8	QUANTITY SHEETS
9	TIE SHEET
10-13	PLAN SHEETS
14-19	PROFILE SHEETS
20	TRAFFIC SIGNAL LAYOUT SHEET
21-31	CROSS SECTIONS

VTRANS STANDARDS

C-3A	SIDEWALK RAMPS	2/17/2022
C-10	CURBING	2/17/2022
E-13	INLET PROTECTION DEVICE, TYPE I	4/07/2020
E-175	POWER DROP STANCHIONS	6/8/2009
T-1	TEMPORARY TRAFFIC CONTROL GENERAL NOTES	4/25/2016
T-2	TRAFFIC SIGN GENERAL NOTES	4/25/2016
T-10	CONVENTIONAL ROADS CONSTRUCTION APPROACH SIGNING	8/6/2012
T-11	ONE LANE CLOSED	8/6/2012
	TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	8/6/2012
T-17	TRAFFIC CONTROL MISCELLANEOUS DETAILS	8/6/2012
T-28	CONSTRUCTION SIGN DETAILS	8/6/2012
T-29	CONSTRUCTION SIGN DETAILS	8/6/2012
T-30	CONSTRUCTION SIGN DETAILS	8/6/2012
T-36	CONSTRUCTION ZONE LONGITUDINAL DROP-OFFS FOR PAVING	8/6/2022

HIGHWAY SAFETY & DESIGN DETAILS

HSD-678.02	GROUND MOUNTED CONTROLLER CABINET	12/21/2022
HSD-678.03	HEAVY DUTY JUNCTION BOXES	2/23/2023

STOWE STP 0235(24)
VT-108 AND LUCE HILL RD
TRAFFIC DATA

SECTION	LOCATION	AADT		DHV		%T		%D		ADTT	
		2027	2047	2027	2047	2027	2047	2027	2047	2027	2047
1	SOUTH APPROACH VT-108	9459	10231	1256	1361	5.8%	9.4%	54%	54%	552	957
2	LUCE HILL RD	5915	6398	837	906	5.0%	7.4%	50%	50%	296	471
3	NORTH APPROACH VT-108	10534	11393	1200	1300	6.3%	9.3%	54%	54%	664	1060

POSTED SPEED VT-108 = 30 MPH
POSTED SPEED LUCE HILL RD = 35 MPH

2027~2047 ESAL=1394500
2027~2067 ESAL=3170100



PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_leg.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	2 OF 31
DESIGNED BY:	L. NAVICKIS		
INDEX OF SHEETS			

GENERAL INFORMATION

SYMBOLOLOGY LEGEND NOTE

THE SYMBOLOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOLOGY. THE SYMBOLOLOGY IS USED FOR EXISTING & PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROJECT ANNOTATION, AS NOTED ON PROJECT PLAN SHEETS. THIS LEGEND SHEET COVERS THE BASICS. SYMBOLOLOGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

R.O.W. ABBREVIATIONS (CODES) & SYMBOLS

POINT	CODE	DESCRIPTION
	BF	BARRIER FENCE
	CH	CHANNEL EASEMENT
	CONST	CONSTRUCTION EASEMENT
	CUL	CULVERT EASEMENT
	D&C	DISCONNECT & CONNECT
	DIT	DITCH EASEMENT
	DR	DRAINAGE EASEMENT
	DRIVE	DRIVEWAY EASEMENT
	EC	EROSION CONTROL
	HWY	HIGHWAY EASEMENT
	I&M	INSTALL & MAINTAIN EASEMENT
	LAND	LANDSCAPE EASEMENT
	PDF	PROJECT DEMARCATION FENCE
	R&RES	REMOVE & RESET
	R&REP	REMOVE & REPLACE
	R.T. & I.	RIGHT, TITLE, AND INTEREST
	SR	SLOPE RIGHT
	UE	UTILITY EASEMENT
	(P)	PERMANENT EASEMENT
	(T)	TEMPORARY EASEMENT
	■	BNDNS BOUND SET
	▣	BNDNS BOUND TO BE SET
	◎	IPNF IRON PIN FOUND
	●	IPNS IRON PIN TO BE SET
	⊠	CALC EXISTING ROW POINT
	○	PROW PROPOSED ROW POINT
	[LENGTH]	LENGTH CARRIED ON NEXT SHEET

COMMON TOPOGRAPHIC POINT SYMBOLS

POINT	CODE	DESCRIPTION
⌘	APL	BOUND APPARENT LOCATION
▣	BM	BENCHMARK
▣	BND	BOUND
▣	CB	CATCH BASIN
⌘	COMB	COMBINATION POLE
▣	DITHR	DROP INLET THROATED DNC
⌘	EL	ELECTRIC POWER POLE
⊙	FPOLE	FLAGPOLE
○	GASFIL	GAS FILLER
○	GP	GUIDE POST
⌘	GSO	GAS SHUT OFF
⊙	GUY	GUY POLE
⊙	GUYW	GUY WIRE
⌘	GV	GATE VALVE
⌘	H	TREE HARDWOOD
△	HCTRL	CONTROL HORIZONTAL
△	HVCTRL	CONTROL HORIZ. & VERTICAL
◇	HYD	HYDRANT
⊙	IP	IRON PIN
⊙	IPIPE	IRON PIPE
⌘	LI	LIGHT - STREET OR YARD
⌘	MB	MAILBOX
○	MH	MANHOLE (MH)
▣	MM	MILE MARKER
⊙	PM	PARKING METER
▣	PMK	PROJECT MARKER
⊙	POST	POST STONE/WOOD
⌘	RRSIG	RAILROAD SIGNAL
⌘	RRSL	RAILROAD SWITCH LEVER
⌘	S	TREE SOFTWOOD
⌘	SAT	SATELLITE DISH
⌘	SHRUB	SHRUB
⌘	SIGN	SIGN
⌘	STUMP	STUMP
⌘	TEL	TELEPHONE POLE
⊙	TIE	TIE
⌘	TSIGN	SIGN W/DOUBLE POST
⌘	VCTRL	CONTROL VERTICAL
⊙	WELL	WELL
⌘	WSO	WATER SHUT OFF

THESE ARE COMMON VAOT SURVEY POINT SYMBOLS FOR EXISTING FEATURES, ALSO USED FOR PROPOSED FEATURES WITH HEAVIER LINEWEIGHT, IN COMBINATION WITH PROPOSED ANNOTATION.

PROPOSED GEOMETRY CODES

CODE	DESCRIPTION
PC	POINT OF CURVATURE
PI	POINT OF INTERSECTION
CC	CENTER OF CURVE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
STA	STATION PREFIX
AH	AHEAD STATION SUFFIX
BK	BACK STATION SUFFIX
D	CURVE DEGREE OF (100FT)
R	CURVE RADIUS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE
CB	CHORD BEARING

UTILITY SYMBOLOLOGY

UNDERGROUND UTILITIES

— UGU —	UTILITY (GENERIC-UNKNOWN)
— UT —	TELEPHONE
— UE —	ELECTRIC
— UC —	CABLE (TV)
— UEC —	ELECTRIC+CABLE
— UET —	ELECTRIC+TELEPHONE
— UCT —	CABLE+TELEPHONE
— UECT —	ELECTRIC+CABLE+TELEPHONE
— G —	GAS LINE
— W —	WATER LINE
— S —	SANITARY SEWER (SEPTIC)

ABOVE GROUND UTILITIES (AERIAL)

— AGU —	UTILITY (GENERIC-UNKNOWN)
— T —	TELEPHONE
— E —	ELECTRIC
— C —	CABLE (TV)
— EC —	ELECTRIC+CABLE
— ET —	ELECTRIC+TELEPHONE
— AER E&T —	ELECTRIC+TELEPHONE
— CT —	CABLE+TELEPHONE
— ECT —	ELECTRIC+CABLE+TELEPHONE
— .. —	UTILITY POLE GUY WIRE

PROJECT CONSTRUCTION SYMBOLOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOLOGY

— - - - CZ — - - -	CLEAR ZONE
—————	PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

△ — △ — △ — △	TOP OF CUT SLOPE
○ — ○ — ○ — ○	TOE OF FILL SLOPE
⊗ ⊗ ⊗ ⊗ ⊗	STONE FILL
-----	BOTTOM OF DITCH L C
=====	CULVERT PROPOSED
-----	STRUCTURE SUBSURFACE
PDF ——— PDF ———	PROJECT DEMARCATION FENCE
BF — x — x — x — BF — x — x —	BARRIER FENCE
xxxxxxxxxxxxxxxxxxxxxxxx	TREE PROTECTION ZONE (TPZ)
//////////	STRIPING LINE REMOVAL
~~~~~	SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOLOGY

BOUNDARY LINES

—— TOWN LINE ——	TOWN BOUNDARY LINE
—— COUNTY LINE ——	COUNTY BOUNDARY LINE
—— STATE LINE ——	STATE BOUNDARY LINE
—— ——— ———	PROPOSED STATE R.O.W. (LIMITED ACCESS)
—— ——— ———	PROPOSED STATE R.O.W.
—— ——— ———	STATE ROW (LIMITED ACCESS)
—— ——— ———	STATE ROW
—— ——— ———	TOWN ROW
— - - - -	PERMANENT EASEMENT LINE (P)
— - - - -	TEMPORARY EASEMENT LINE (T)
+	SURVEY LINE
P L P L	PROPERTY LINE (P/L)
△ SR ○ SR △ SR ○	SLOPE RIGHTS
6f ——— 6f ———	6F PROPERTY BOUNDARY
4f ——— 4f ———	4F PROPERTY BOUNDARY
HAZ ——— HAZ ———	HAZARDOUS WASTE

EPSC LAYOUT PLAN SYMBOLOLOGY

EPSC MEASURES

ONNOONNOONNO	SEDIMENT ISOLATION
▣	SILT FENCE
▣ x ▣ x ▣ x ▣ x	SILT FENCE WOVEN WIRE
▶ —▶ —▶ —	CHECK DAM
▣	DISTURBED AREAS REQUIRING RE-VEGETATION
▣	EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLOLOGY

ENVIRONMENTAL RESOURCES

▼ ——— ▼	WETLAND BOUNDARY
-----	RIPARIAN BUFFER ZONE
-----	WETLAND BUFFER ZONE
-----	SOIL TYPE BOUNDARY
—— T&E ——	THREATENED & ENDANGERED SPECIES
HAZ ——— HAZ ———	HAZARDOUS WASTE AREA
—— AG ——	AGRICULTURAL LAND
—— HABITAT ——	FISH & WILDLIFE HABITAT
—— FLOOD PLAIN ——	FLOOD PLAIN
— OHW —	ORDINARY HIGH WATER (OHW)
— — — — —	STORM WATER
— - - - -	USDA FOREST SERVICE LANDS
— . . . — . . . —	WILDLIFE HABITAT SUIT/CONN

ARCHEOLOGICAL & HISTORIC

—— ARCH ——	ARCHEOLOGICAL BOUNDARY
— HISTORIC DIST —	HISTORIC DISTRICT BOUNDARY
—— HISTORIC ——	HISTORIC AREA
(H)	HISTORIC STRUCTURE

CONVENTIONAL TOPOGRAPHIC SYMBOLOLOGY

EXISTING FEATURES

-----	ROAD EDGE PAVEMENT
-----	ROAD EDGE GRAVEL
-----	DRIVEWAY EDGE
-----	DITCH
-----	FOUNDATION
x — x — x — x —	FENCE (EXISTING)
▣ — ▣ — ▣ — ▣ —	FENCE WOOD POST
○ — ○ — ○ — ○ —	FENCE STEEL POST
~~~~~	GARDEN
○ ○ ○ ○ ○ ○ ○ ○	ROAD GUARDRAIL
	RAILROAD TRACKS
-----	CULVERT (EXISTING)
○○○○○○○○○○○○○○○○	STONE WALL
-----	WALL
~~~~~	WOOD LINE
~~~~~	BRUSH LINE
~~~~~	HEDGE
=====	BODY OF WATER EDGE
=====	LEDGE EXPOSED

PROJECT NAME:	STOWE
PROJECT NUMBER:	STP 0235(24)
FILE NAME:	z21t435_symb.dgn
PROJECT LEADER:	M. FOISY
DESIGNED BY:	VTRANS
CONVENTIONAL SYMBOLOLOGY LEGEND SHEET	PLOT DATE: 29-AUG-2024 DRAWN BY: VTRANS CHECKED BY: M. FOISY SHEET 3 OF 31

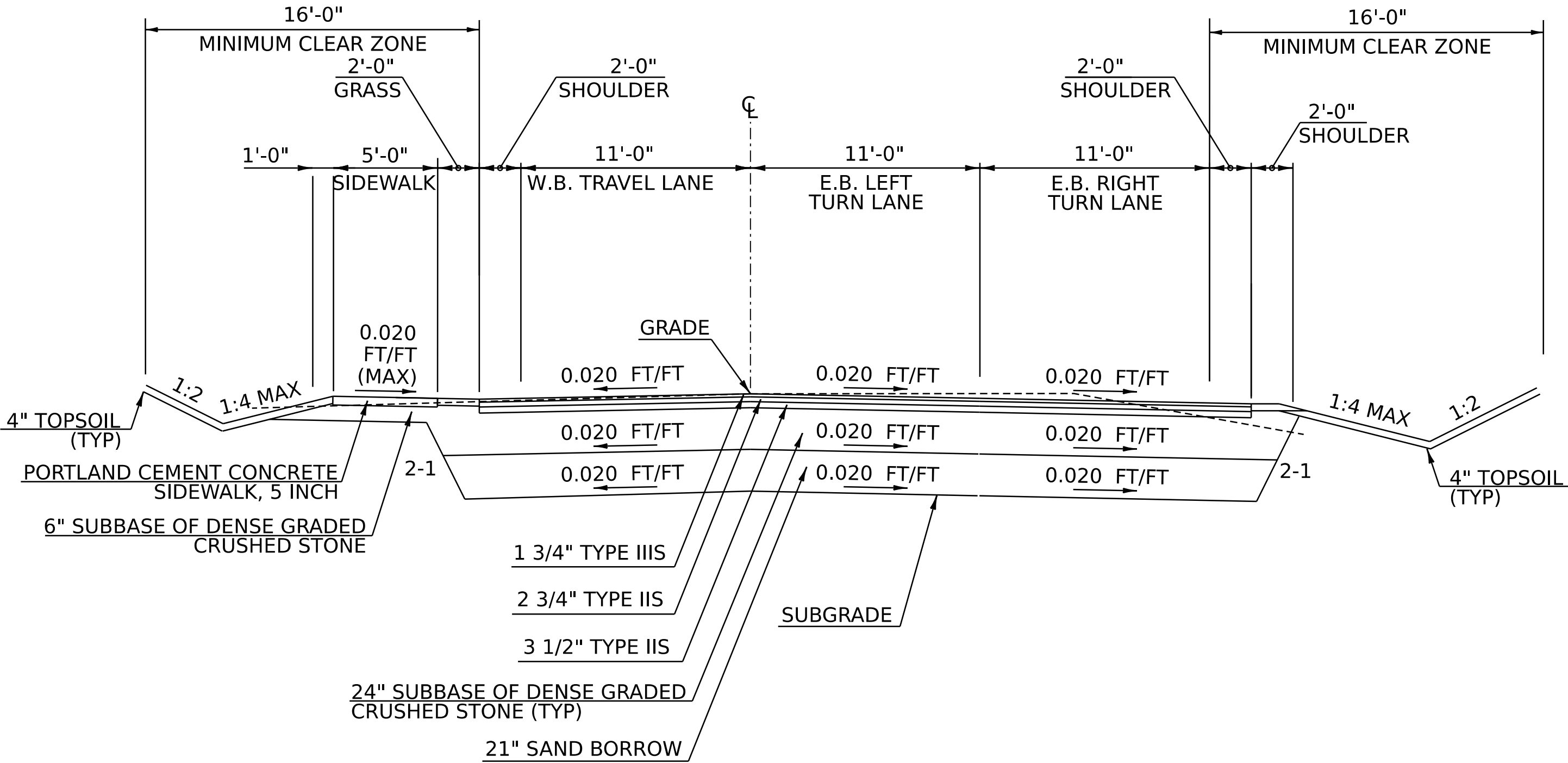








MATERIAL ITEM	THICKNESS	1¾" TYPE IIIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
PAVEMENT COURSES (TOTAL DEPTH)	TOLERANCE ± ¼"	2¾" TYPE IIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
SUBBASE	± 1"	3½" TYPE IIS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
SAND BORROW	± 1"	24" DENSE GRADED CRUSHED STONE
		21" SAND BORROW

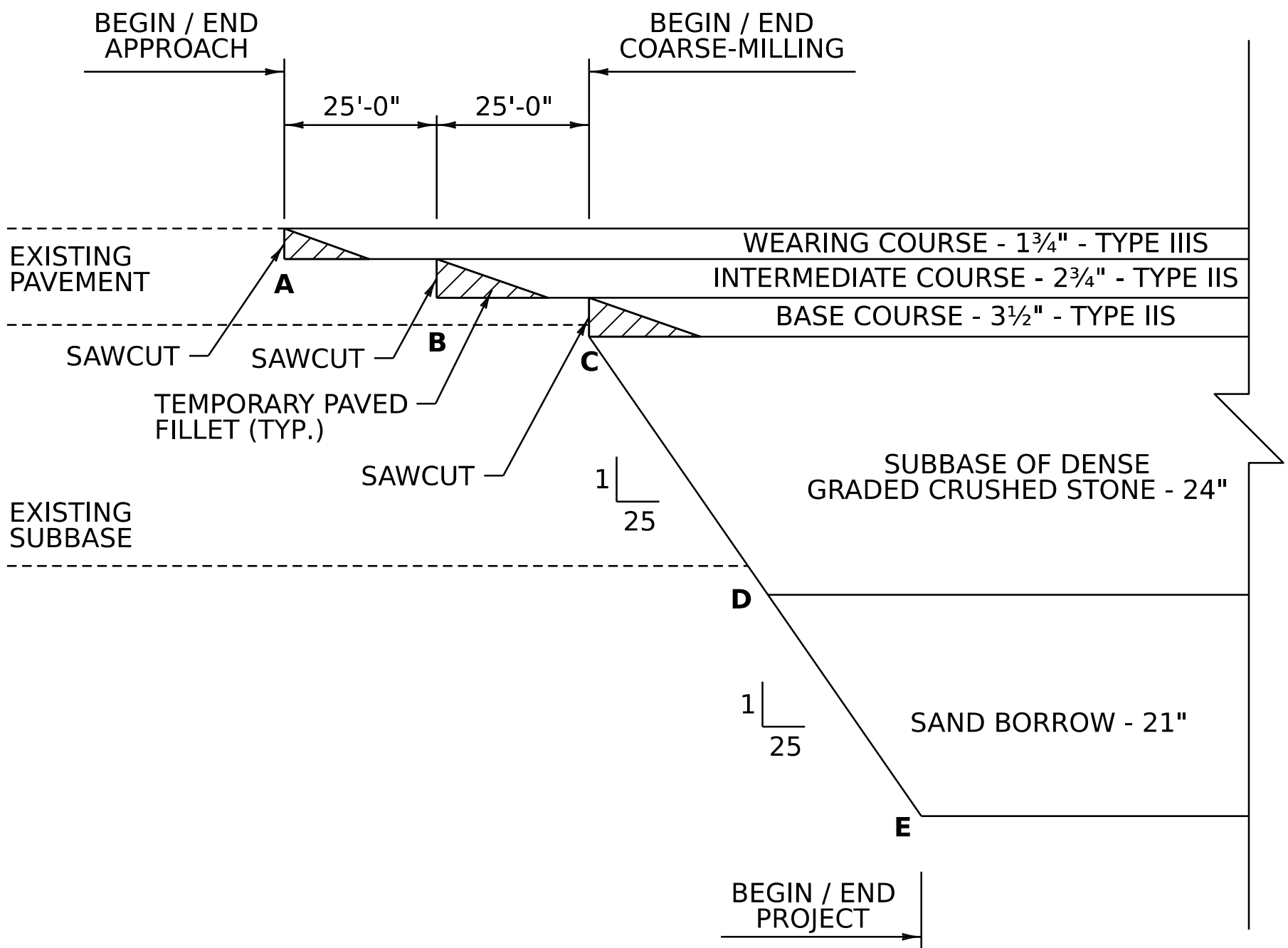


**TYPICAL SECTIONS - LUCE HILL ROAD**  
STA 500+00.00 TO STA 506+13.45

PROJECT NAME:	STOWE
PROJECT NUMBER:	STP 0235(24)
FILE NAME:	z21t435_typ.dgn
PROJECT LEADER:	M. FOISY
DESIGNED BY:	L. NAVICKIS
TYPICAL SECTION SHEET 2	
PLOT DATE:	29-AUG-2024
DRAWN BY:	L. NAVICKIS
CHECKED BY:	M. FOISY
SHEET	5 OF 31







**MAINLINE PAVEMENT TRANSITION**  
NOT TO SCALE

VT ROUTE 108 & LUCE HILL ROAD					
	A	B	C	D	E
SOUTHERN TERMINUS	191+32.22	191+57.22	191+82.22	192+32.22	192+75.97
NORTHERN TERMINUS	203+80.86	203+55.86	203+30.86	202+80.86	202+37.11
LUCE HILL TERMINUS	506+13.45	505+88.45	505+63.45	505+13.45	504+69.70

PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	G. BARRETT
FILE NAME:	z21t435_det.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	DETAIL SHEET	SHEET 6 OF 31
DESIGNED BY:	G. BARRETT		





STATE OF VERMONT AGENCY OF TRANSPORTATION														QUANTITY SHEET 1									
SUMMARY OF ESTIMATED QUANTITIES														TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES			
													1011 - ROADWAY	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS	
													12750	12750		CY	COMMON EXCAVATION	203.1500					
													80	80		CY	EXCAVATION OF SURFACES AND PAVEMENTS	203.2800					
													4900	4900		CY	SAND BORROW	203.3100					
													1	1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.2200					
													60	60		LF	TRENCHLESS EXCAVATION, HORIZONTAL DIRECTIONAL DRILLING	209.0100					
													5600	5600		CY	SUBBASE OF DENSE GRADED CRUSHED STONE	301.3500					
													50	50		TON	AGGREGATE SHOULDERS, RAP	402.1300					
													1400	1400		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIS, QA TIER I	406.0210					
													900	900		TON	BITUMINOUS CONCRETE PAVEMENT, TYPE IIIS, QA TIER I	406.0310					
													950	950		SY	BITUMINOUS CONCRETE PAVEMENT, NON-PAVER PLACED, TYPE IVS	406.3400					
													1400	1400		LF	18 INCH CPEP(SL)	601.2615					
													7	7		EACH	PRECAST REINFORCED CONCRETE DI WITH CAST IRON GRATE	604.1800					
													1000	1000		LF	VERTICAL GRANITE CURB	616.2100					
													840	840		SY	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	618.1005					
													16	16		SF	DETECTABLE WARNING SURFACE	618.3000					
													300	300		LF	WMED CONDUIT, 2 INCH (ESTIMATED)	625.6002					
													50	50		LF	WMED CONDUIT, 3 INCH (ESTIMATED)	625.6003					
													1	1		EACH	POWER DROP STANCHION	625.7000					
													4	4		EACH	JUNCTION BOX	625.7010					
													300	300		HR	UNIFORMED TRAFFIC OFFICERS	630.1000					
													2600	2600		HR	FLAGGERS	630.1500					
													1	1		LS	TESTING EQUIPMENT, CONCRETE	631.1600					
													1	1		LS	MOBILIZATION/DEMOBILIZATION	635.1100					
													1	1		LS	TRAFFIC CONTROL, ALL-INCLUSIVE	641.1100					
													3	3		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.1500					
													3500	3500		LF	DURABLE 4 INCH WHITE LINE, EPOXY PAINT	646.4030					
													3800	3800		LF	DURABLE 4 INCH YELLOWLINE, EPOXY PAINT	646.4130					
													75	75		LF	DURABLE 24 INCH STOP BAR, EPOXY PAINT	646.4830					
													12	12		EACH	DURABLE LETTER OR SYMBOL, EPOXY PAINT	646.4930					
													50	50		LF	DURABLE CROSSWALK MARKING, EPOXY PAINT	646.5030					
													7000	7000		LF	TEMPORARY 4 INCH WHITE LINE	646.6000					
													7600	7600		LF	TEMPORARY 4 INCH YELLOWLINE	646.6100					
													150	150		LF	TEMPORARY 24 INCH STOP BAR	646.6800					
													2222	2222		SY	TURF ESTABLISHMENT, GENERAL SEED	651.1500					
													580	580		CY	TOPSOIL	651.3500					
													0.2	0.2		TON	HAY MULCH	653.1000					
													100	100		SF	TRAFFIC SIGN, FLAT SHEET ALUMINUM	675.2000					
													350	350		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.3410					
													15	15		EACH	SIGN REMOVAL, FLAT SHEET ALUMINUM	675.5000					
													1	1		EACH	CABINET ASSEMBLY	678.2005					
																		PROJECT NAME: STOWE					
																		PROJECT NUMBER: STP 0235(24)					
																		FILE NAME: z21t435_frm.dgn				PLOT DATE: 29-AUG-2024	
																		PROJECT LEADER: M. FOISY				DRAWN BY: G. BARRETT	
																		DESIGNED BY: L. NAVICKIS				CHECKED BY: S. NEELY	
																		QUANTITY SUMMARY SHEET 1				SHEET 7 OF 31	



## QUANTITY SHEET 2

[illegible]

PROJECT NAME: STOWE	
PROJECT NUMBER: STP 0235(24)	
FILE NAME: z21t435_frm.dgn	PLOT DATE: 29-AUG-2024
PROJECT LEADER: M. FOISY	DRAWN BY: G. BARRETT
DESIGNED BY: L. NAVICKIS	CHECKED BY: S. NEELY
QUANTITY SUMMARY SHEET 2	SHEET 8 OF 31





CONTROL POINTS

HVCTRL #1

VILLAGE GREEN

NORTH = 720026.5800  
EAST = 1585800.1600  
ELEV. = 750.852

GENERAL LOCATION, STOWE, VT.

TO REACH FROM THE JUNCTION OF VERMONT ROUTE 100 AND VERMONT ROUTE 108 IN STOWE VILLAGE, PROCEED NORTHERLY ALONG ROUTE 108 FOR 1.7 MI (2.7 KM) TO CAPE COD ROAD (TH 31) ON THE RIGHT. TURN RIGHT AND GO NORTHEAST ALONG CAPE COD ROAD FOR 0.15 MI (0.24 KM) TO THE MARK ON THE RIGHT. THE MARK IS A STATE OF VERMONT SURVEY DISK SET IN THE TOP OF A CONCRETE MONUMENT 30 CM IN DIAMETER FLUSH WITH THE GROUND SURFACE. IT IS LOCATED 176.5 FT (53.8 M) SOUTHWEST OF THE CENTERLINE OF A PAVED DRIVE TO VILLAGE GREEN CONDOMINIUMS, 66.5 FT (20.3 M) NORTHEAST OF UTILITY POLE 3, 31.5 FT (9.6 M) NORTH OF A HIGHWAY SIGN (SPEED LIMIT 35) , 14.5 FT (4.4 M) SOUTHEAST OF THE CENTERLINE OF CAPE COD ROAD (TH 31) , AND 1 FT (0.3 M) WEST OF A FIBERGLASS WITNESS POST.

HVCTRL #6

COTTAGE

NORTH = 720366.2400  
EAST = 1583870.2200  
ELEV. = 766.304

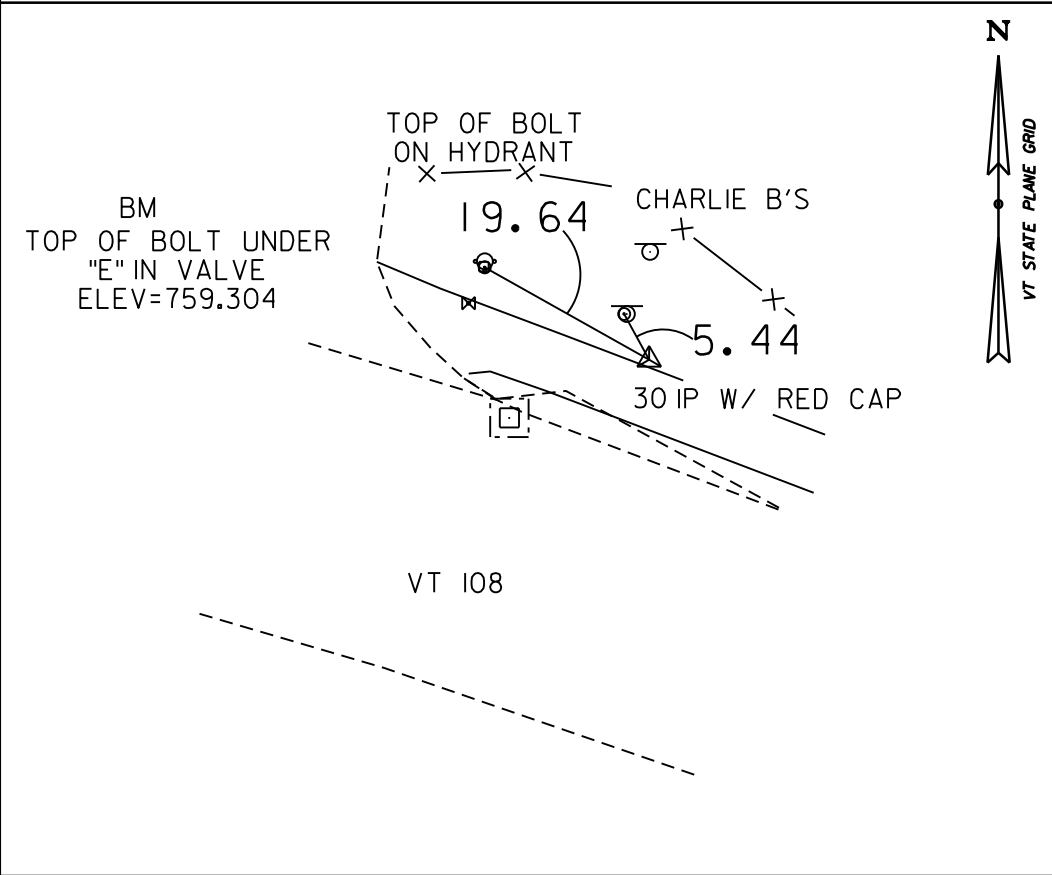
GENERAL LOCATION, STOWE, VT.

TO REACH FROM THE JUNCTION OF VERMONT ROUTE 100 AND VERMONT ROUTE 108 IN STOWE VILLAGE, PROCEED NORTHERLY ALONG ROUTE 108 FOR 2.0 MI (3.2 KM) TO COTTAGE CLUB ROAD (TH 29) ON THE RIGHT. PROCEED NORTHEASTERLY ALONG COTTAGE CLUB ROAD FOR 0.1 MI (0.2 KM) TO THE MARK ON THE RIGHT. THE MARK IS A STATE OF VERMONT SURVEY DISK SET IN THE TOP OF A CONCRETE MONUMENT 30 CM IN DIAMETER, FLUSH WITH THE GROUND SURFACE. IT IS LOCATED 128 FT (39.0 M) NORTHEAST OF UTILITY POLE 1, 88.5 FT (27.0 M) SOUTHWEST OF UTILITY POLE 3, 36 FT (11.0 M) SOUTHEAST OF A CHAINLINK FENCE, 18.5 FT (5.6 M) SOUTHEAST OF THE CENTERLINE OF COTTAGE CLUB ROAD (TH 29, AND 3 FT (0.9 M) NORTHWEST OF A FIBERGLASS WITNESS POST.

TRAVERSE TIES

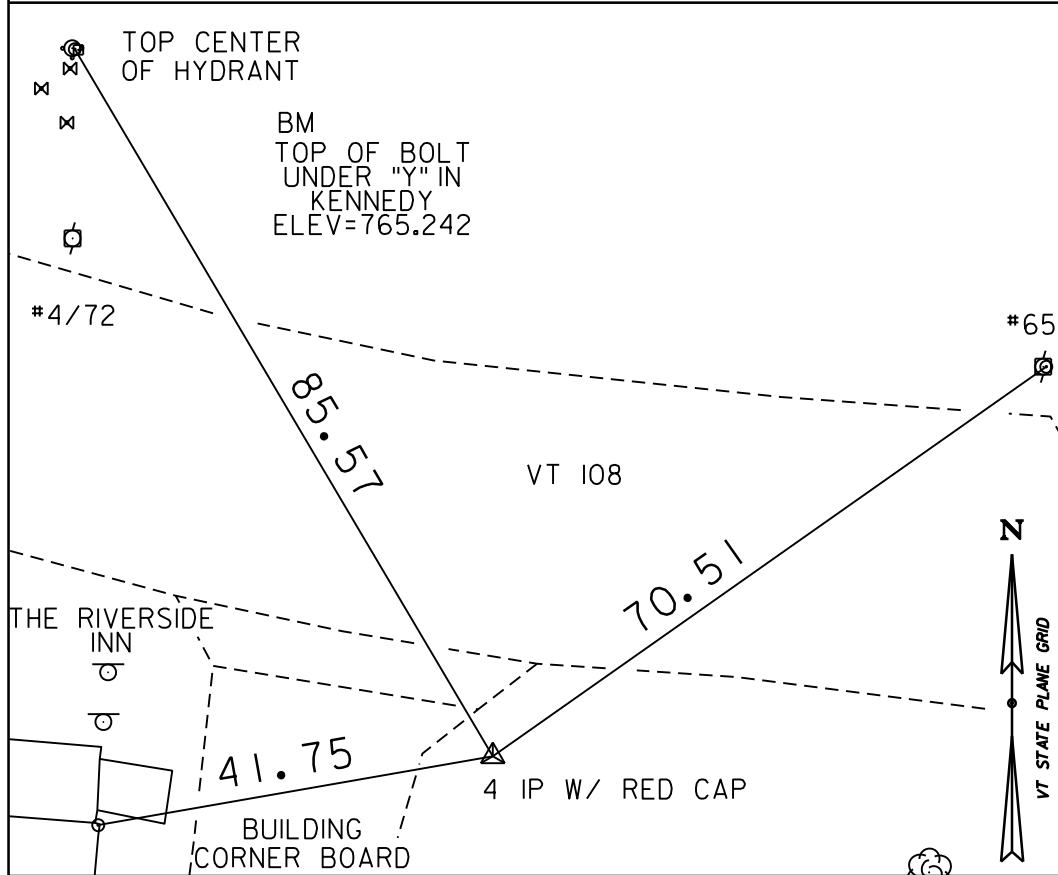
HVCTRL #30

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EAST = 1585088.6233  
ELEV. = 757.781



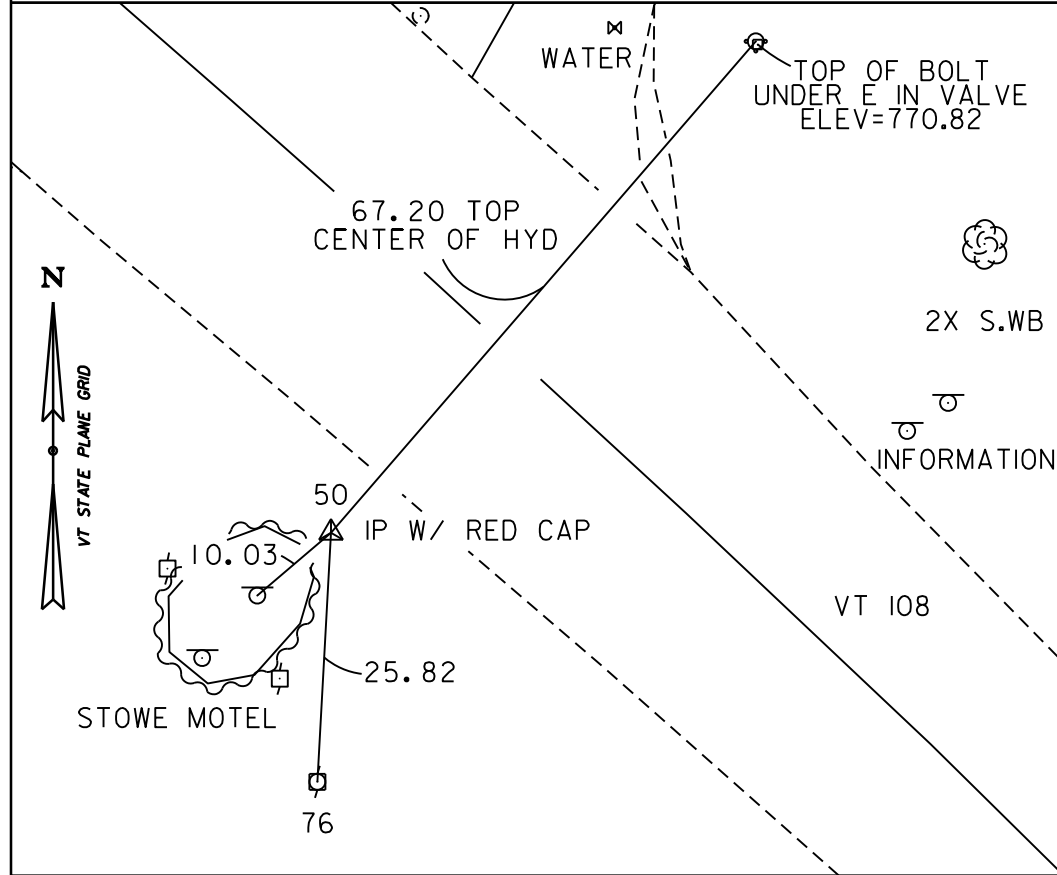
HVCTRL #4

NORTH = 719617.6390  
EAST = 1584136.1423  
ELEV. = 763.194



HVCTRL #50

NORTH = 719984.8313  
EAST = 1583668.9257  
ELEV. = 767.6190



MAIN TRAVERSE COMPLETED 03/02/16 BY R. GILMAN P.C. & C. CYR. PTS 30 AND 50 CREATED BY R.GAUVIN AND R.GILMAN ON 07/16/2024

ALIGNMENT TIES

NORTH =  
EAST =  
ELEV. =

NORTH =  
EAST =  
ELEV. =

NORTH =  
EAST =  
ELEV. =

NORTH =  
EAST =  
ELEV. =

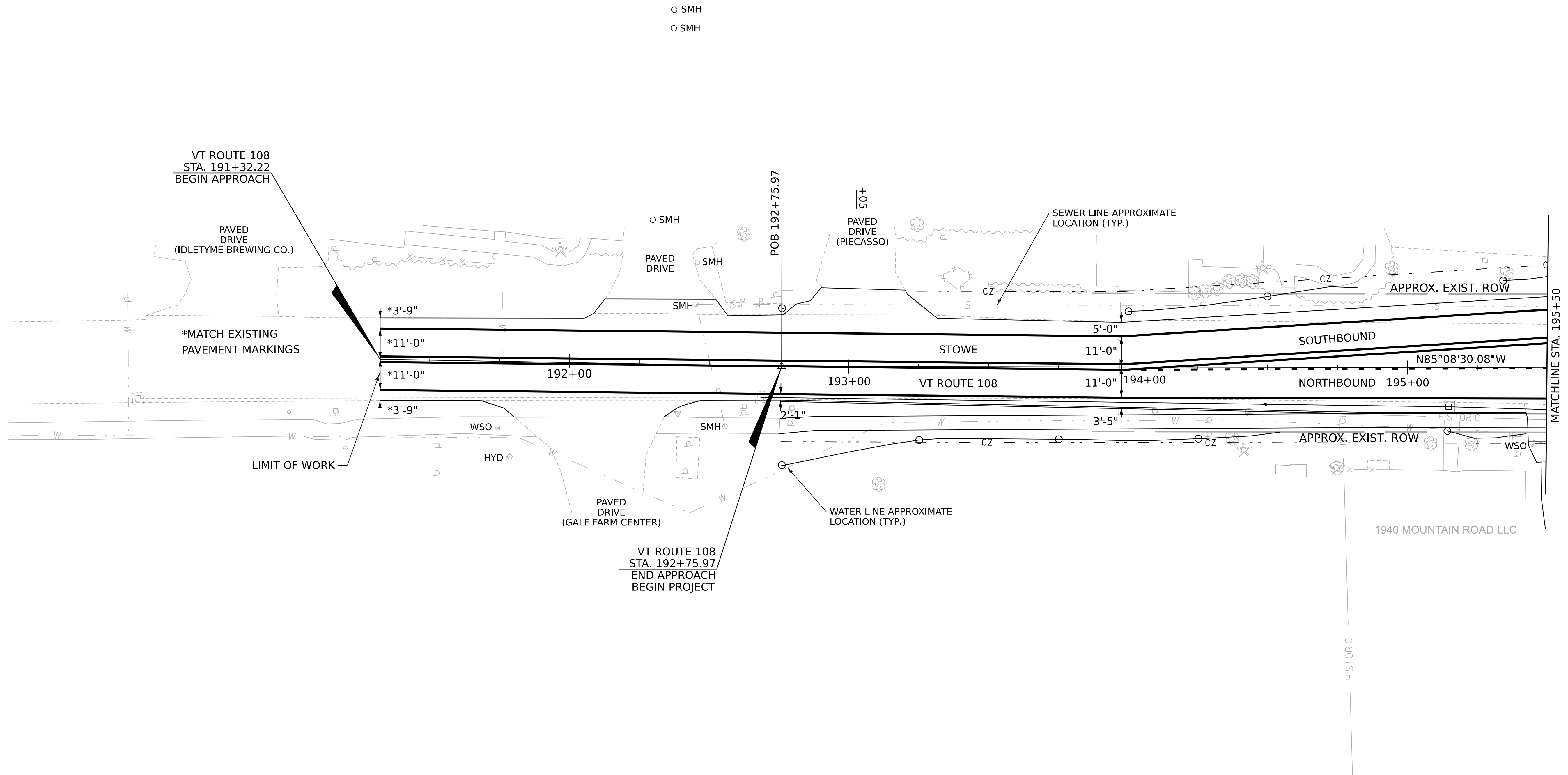
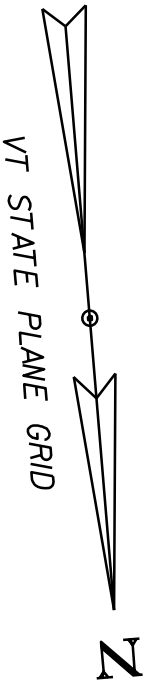
NORTH =  
EAST =  
ELEV. =

DATUM  
VERTICAL NAVD 88  
HORIZONTAL NAD 83(2011)  
ADJUSTMENT COMPASS

PROJECT NAME: STOWE  
PROJECT NUMBER: STP 0235(24)

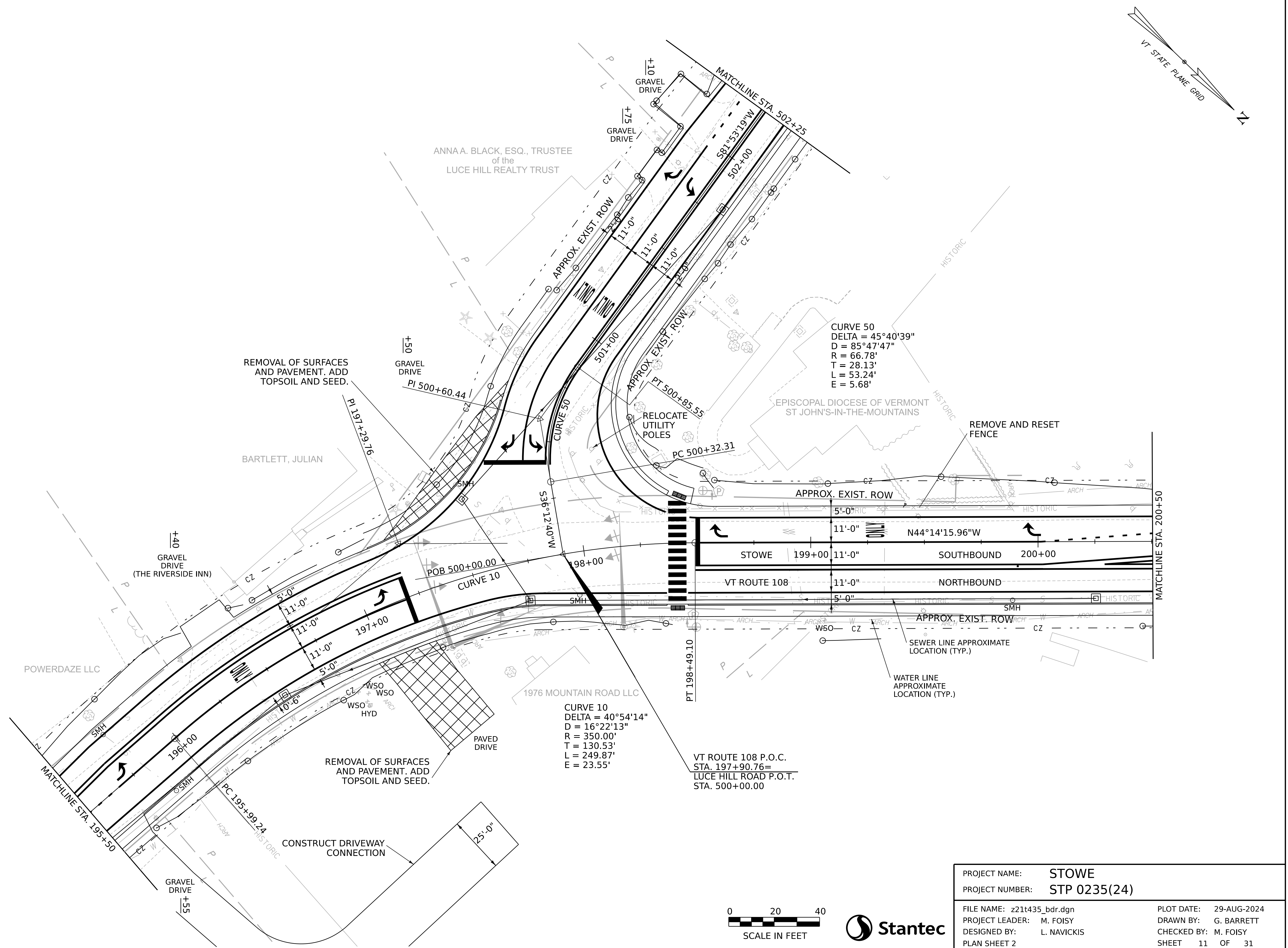
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PROJECT LEADER: T. SISSON DRAWN BY: R. GAUVIN  
DESIGNED BY: VTRANS CHECKED BY: R. GILMAN  
TIE SHEET SHEET 9 OF 31



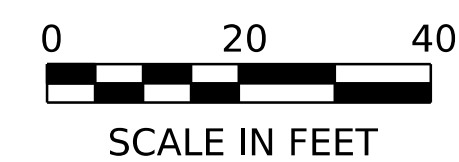
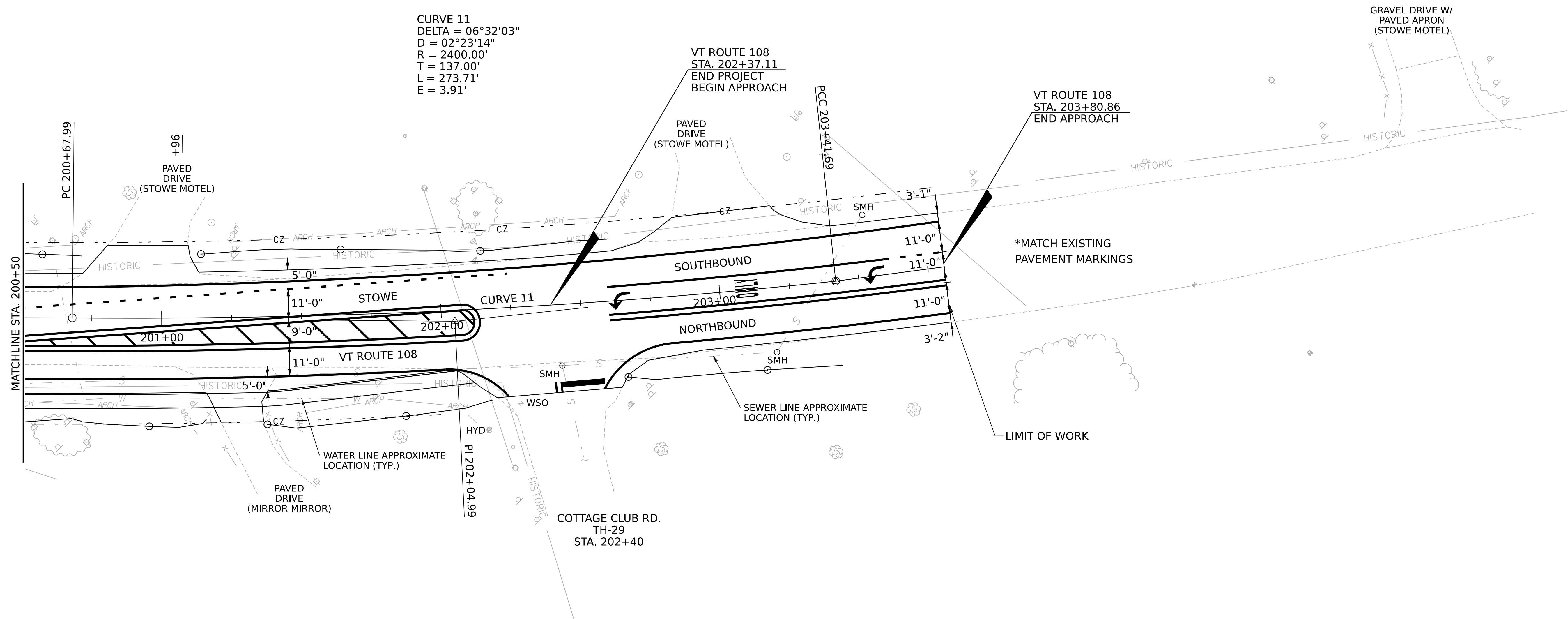
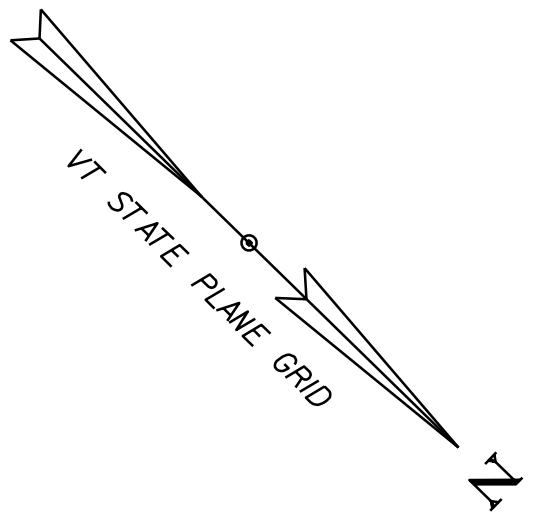


PROJECT NAME:	STOWE
PROJECT NUMBER:	STP 0235(24)
FILE NAME:	z21t435_bdr.dgn
PROJECT LEADER:	M. FOISY
DESIGNED BY:	L. NAVICKIS
PLAN SHEET 1	
PLOT DATE:	29-AUG-2024
DRAWN BY:	G. BARRETT
CHECKED BY:	M. FOISY
SHEET	10 OF 31



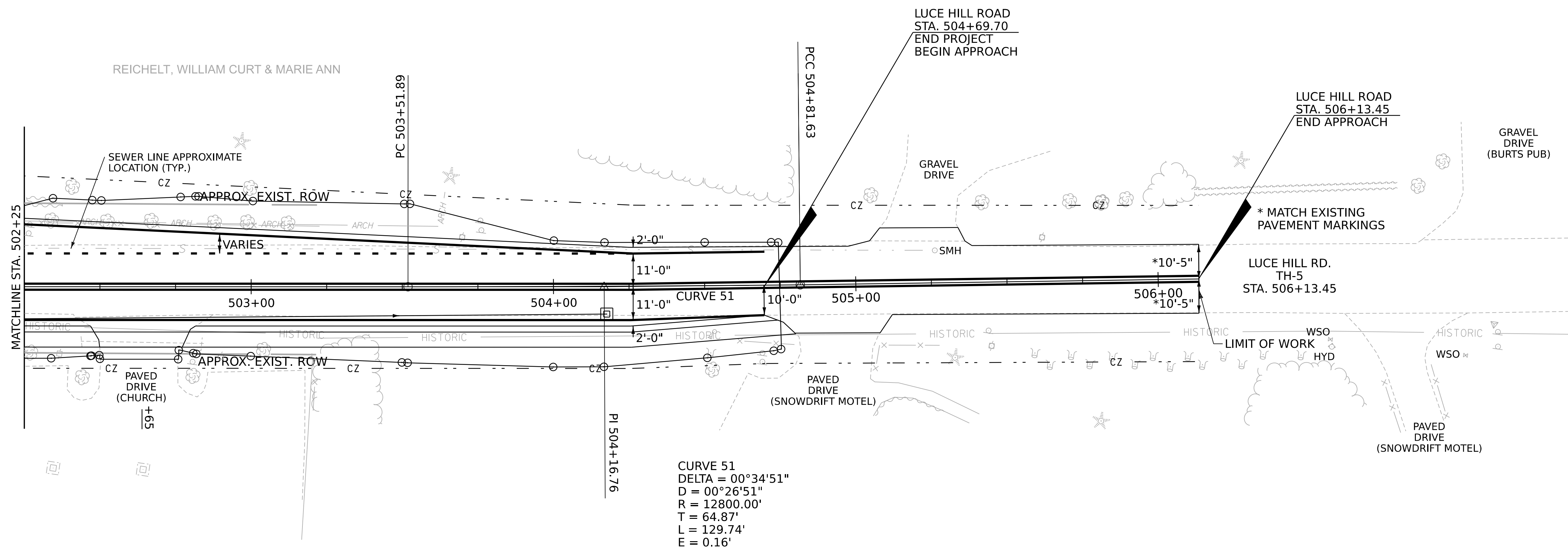
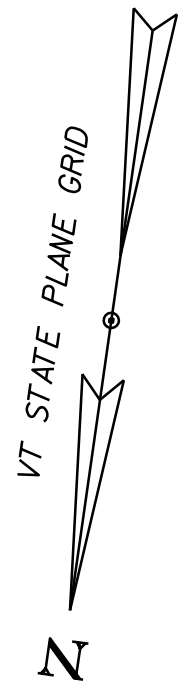






PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	G. BARRETT
FILE NAME:	z21t435_bdr.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	12 OF 31
DESIGNED BY:	L. NAVICKIS		
PLAN SHEET 3			





CURVE 51  
DELTA = 00°34'51"  
D = 00°26'51"  
R = 12800.00'  
T = 64.87'  
L = 129.74'  
E = 0.16'

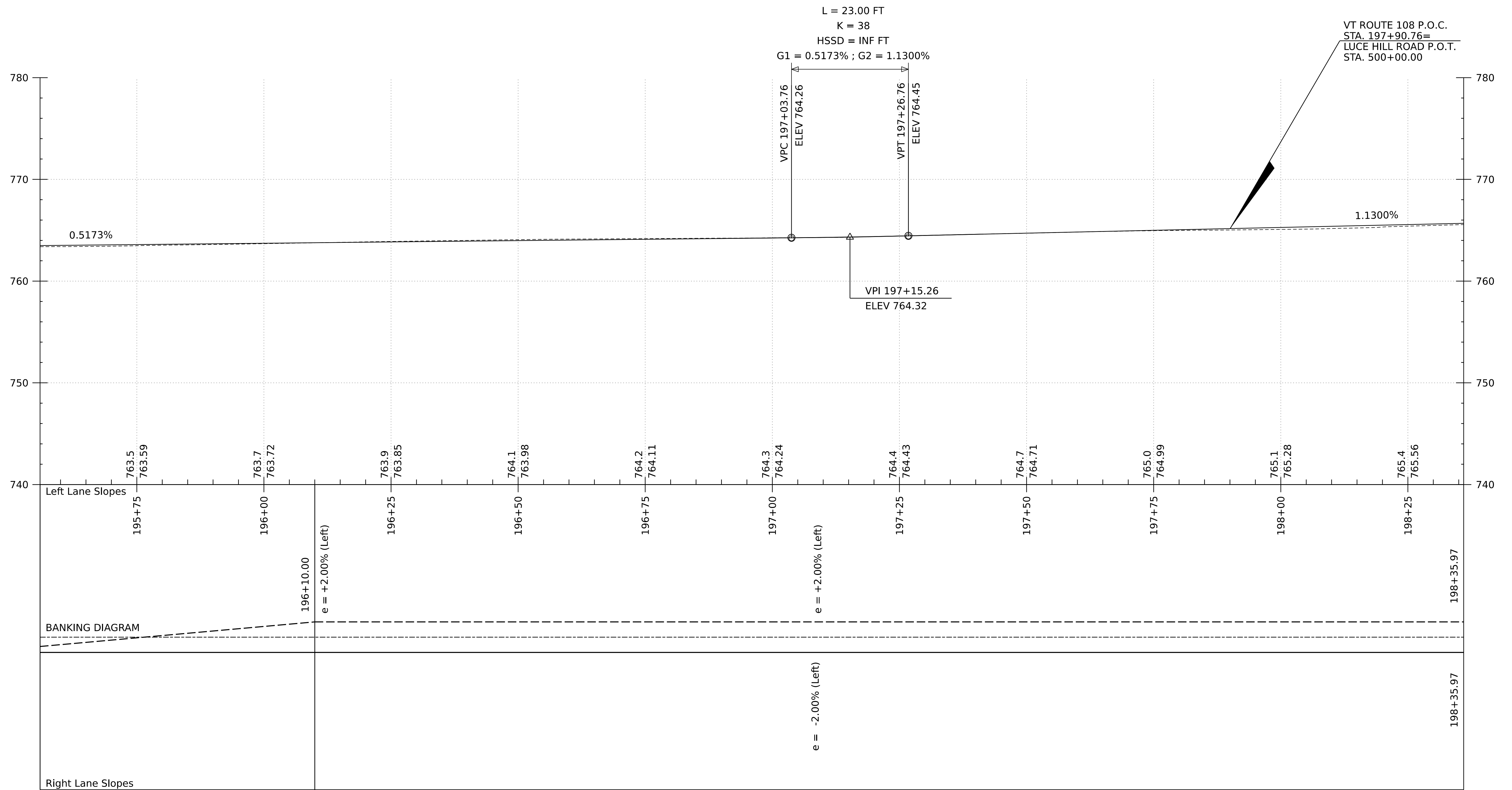


PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	G. BARRETT
FILE NAME:	z21t435_bdr.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	13 OF 31
DESIGNED BY:	L. NAVICKIS		
PLAN SHEET 4			



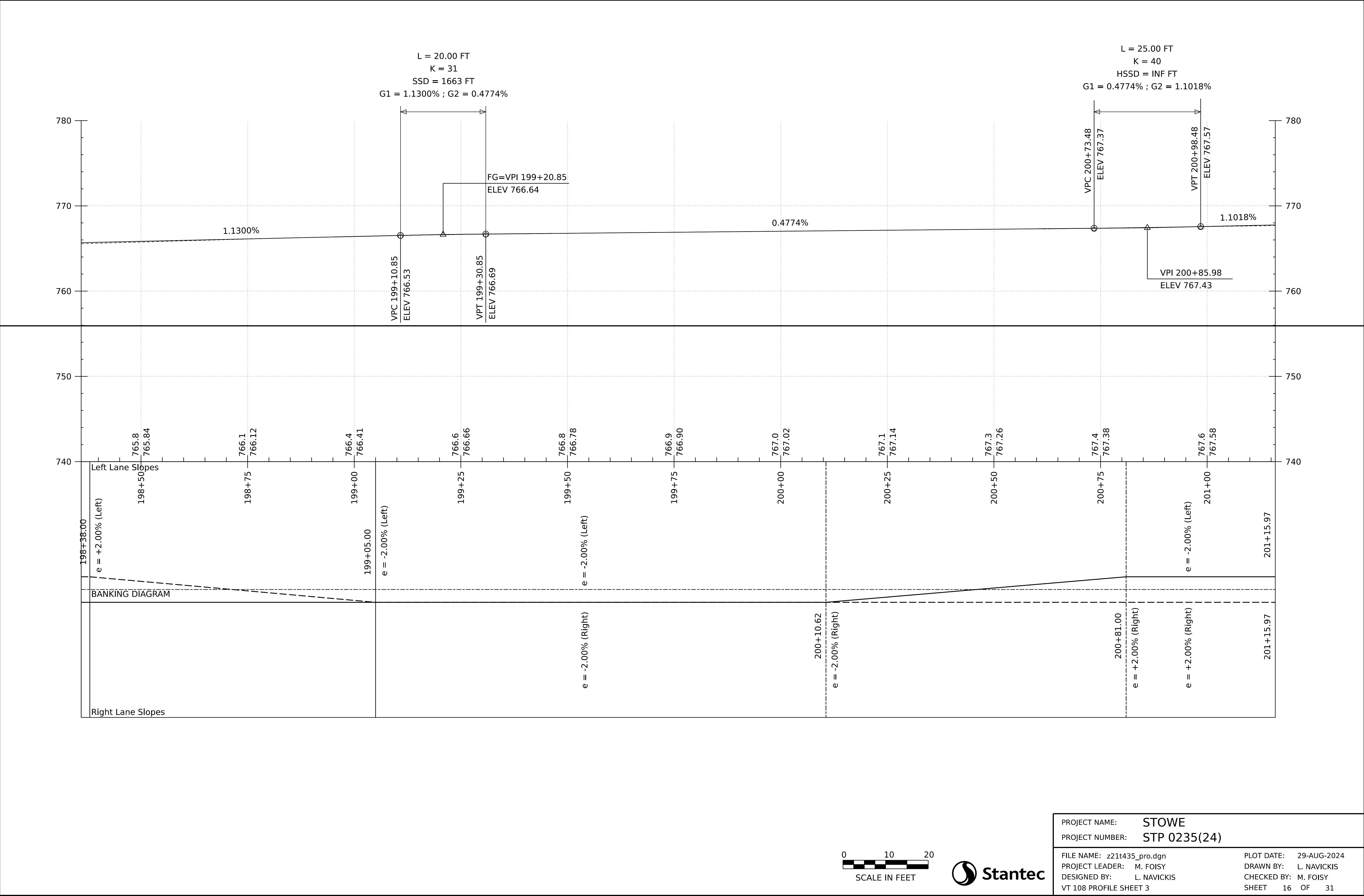






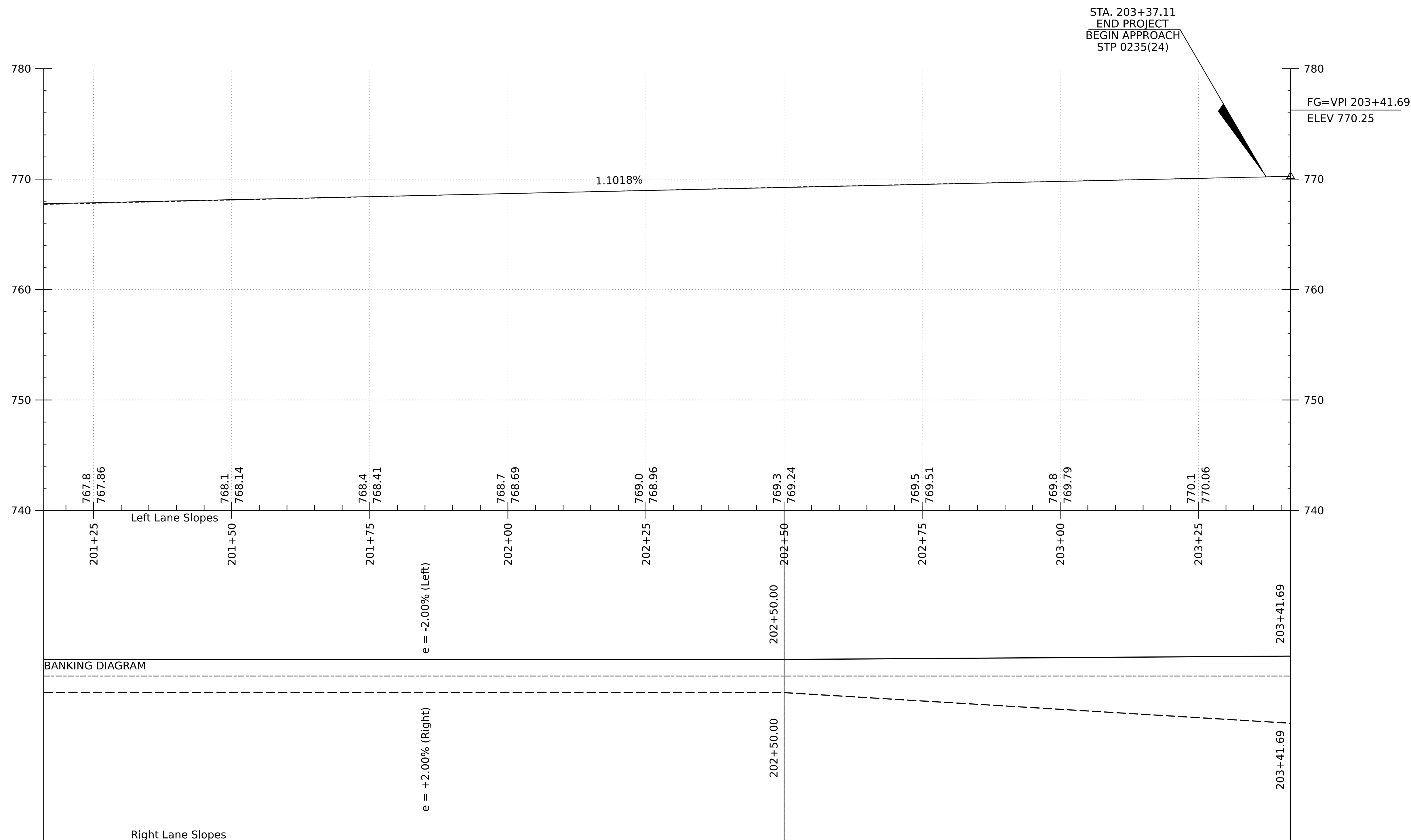
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PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_pro.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	15 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 PROFILE SHEET 2			





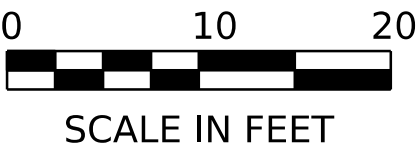
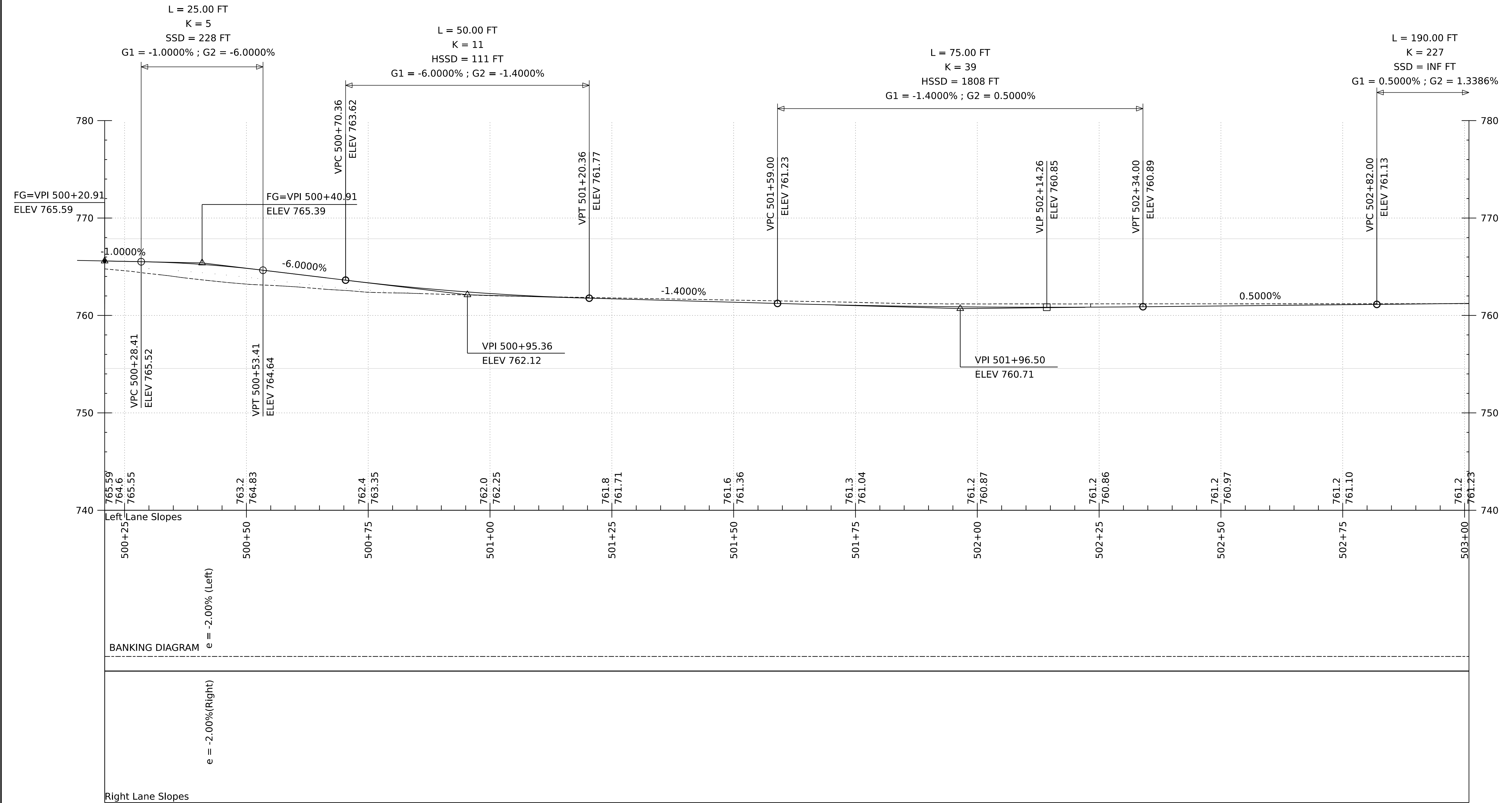
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PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_pro.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	16 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 PROFILE SHEET 3			





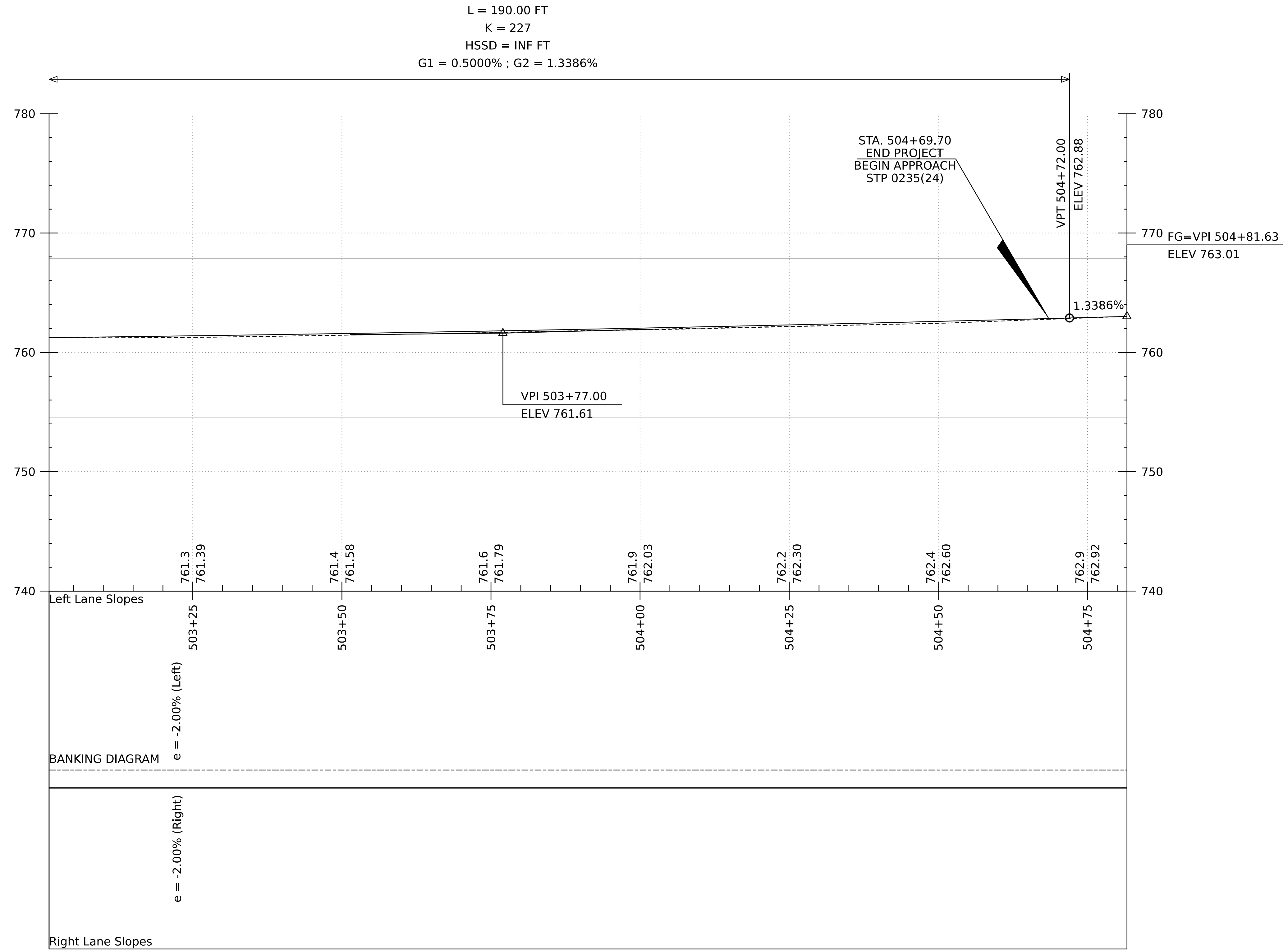
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PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_pro.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	17 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 PROFILE SHEET 4			





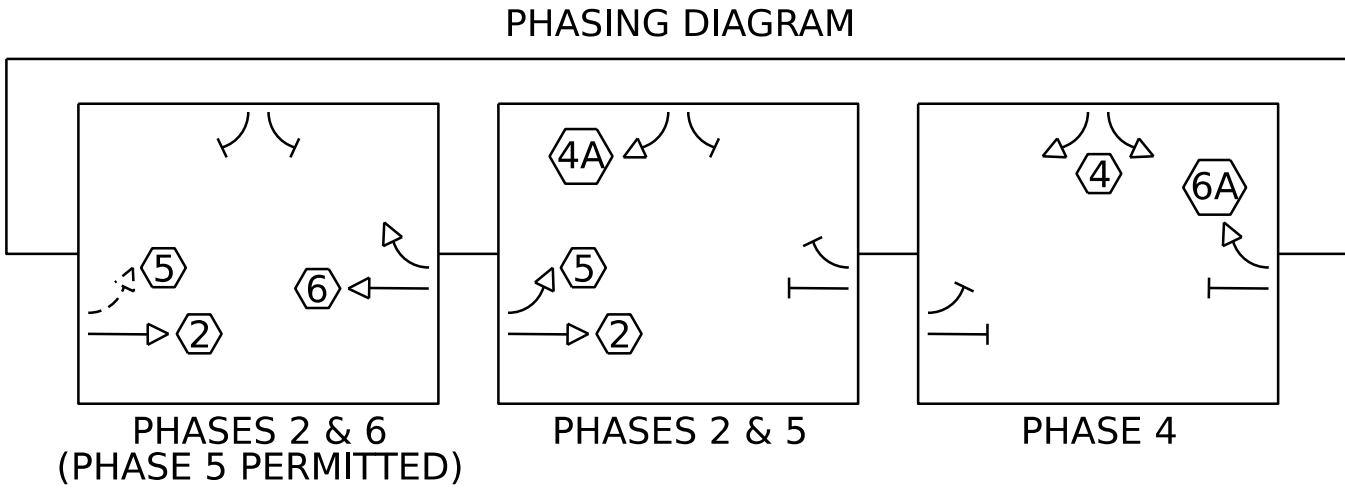
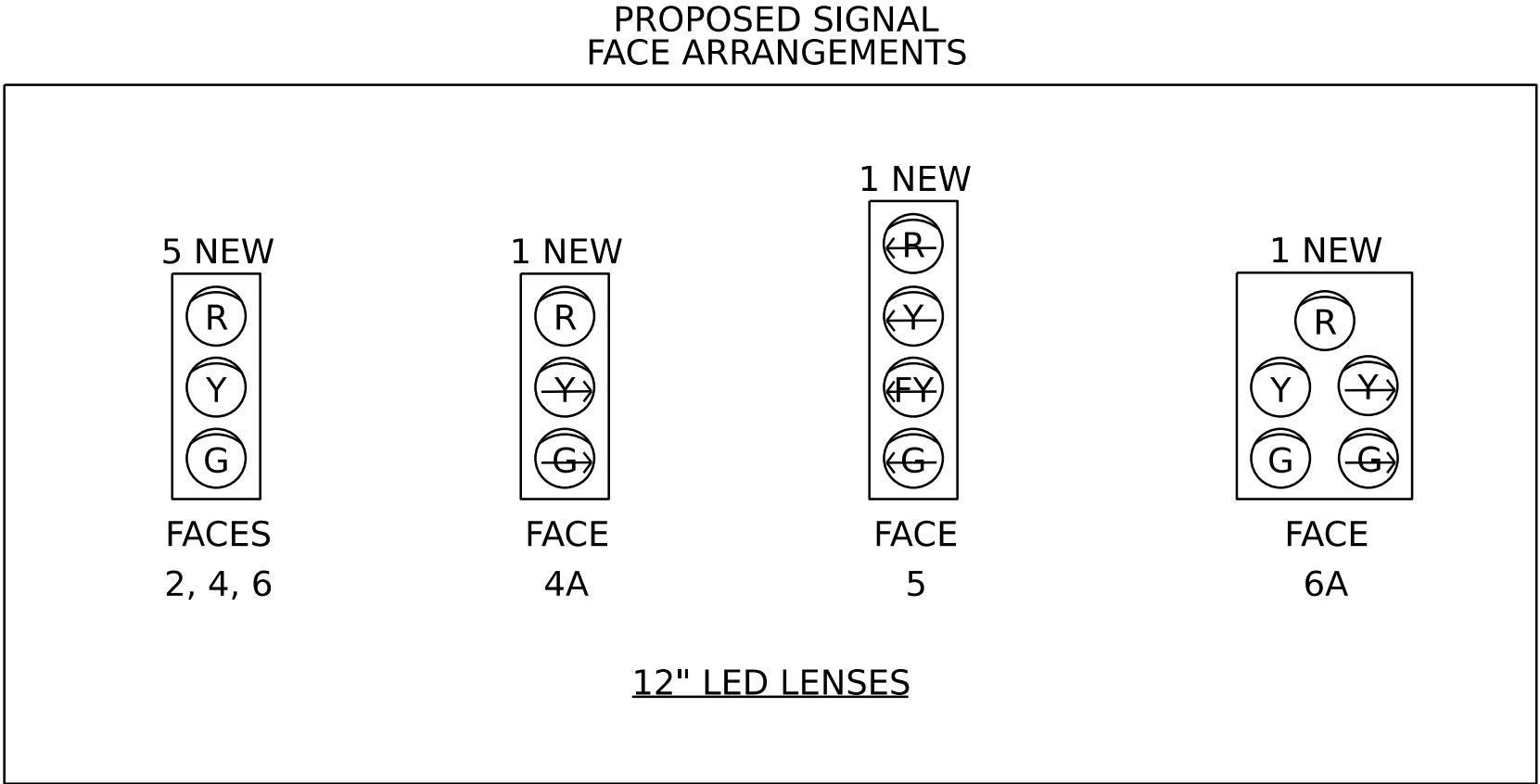
PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_pro.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	18 OF 31
DESIGNED BY:	L. NAVICKIS		
LUCE HILL PROFILE SHEET 1			





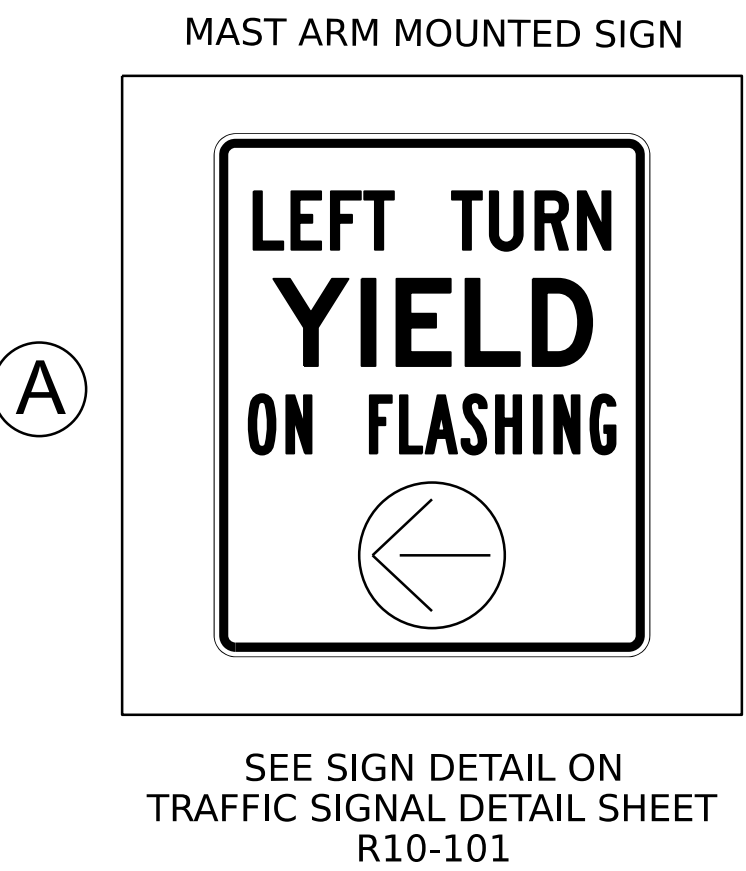
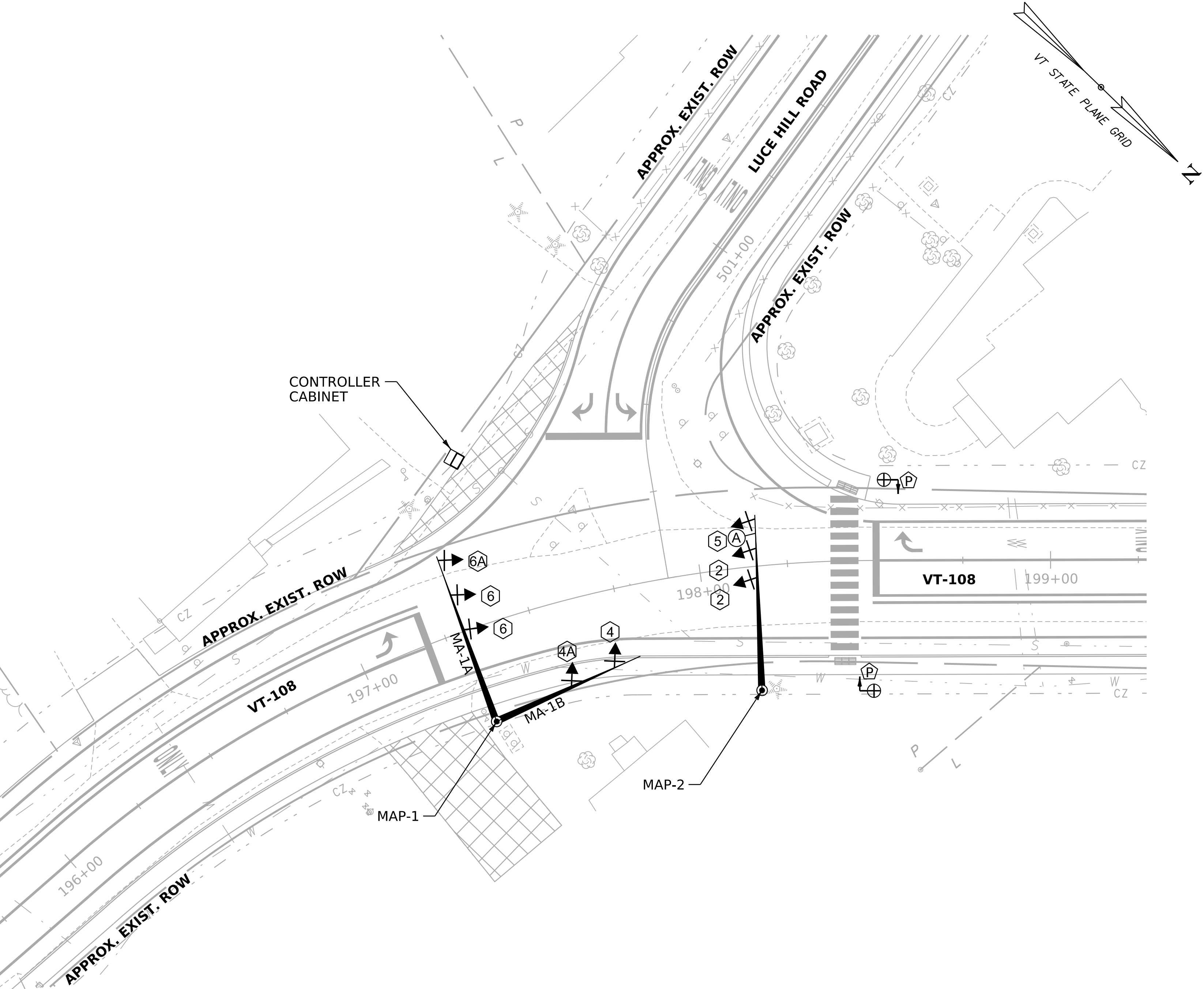
PROJECT NAME:	STOWE	PROJECT NUMBER:	STP 0235(24)
FILE NAME:	z21t435_pro.dgn	PLOT DATE:	29-AUG-2024
PROJECT LEADER:	M. FOISY	DRAWN BY:	L. NAVICKIS
DESIGNED BY:	L. NAVICKIS	CHECKED BY:	M. FOISY
LUCE HILL PROFILE SHEET 2		SHEET	19 OF 31





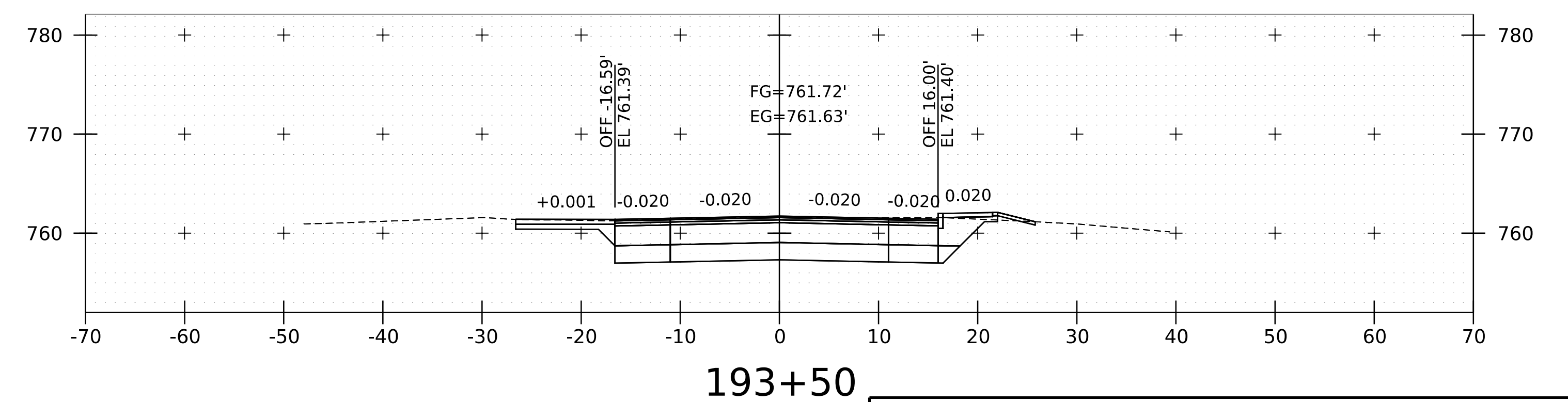
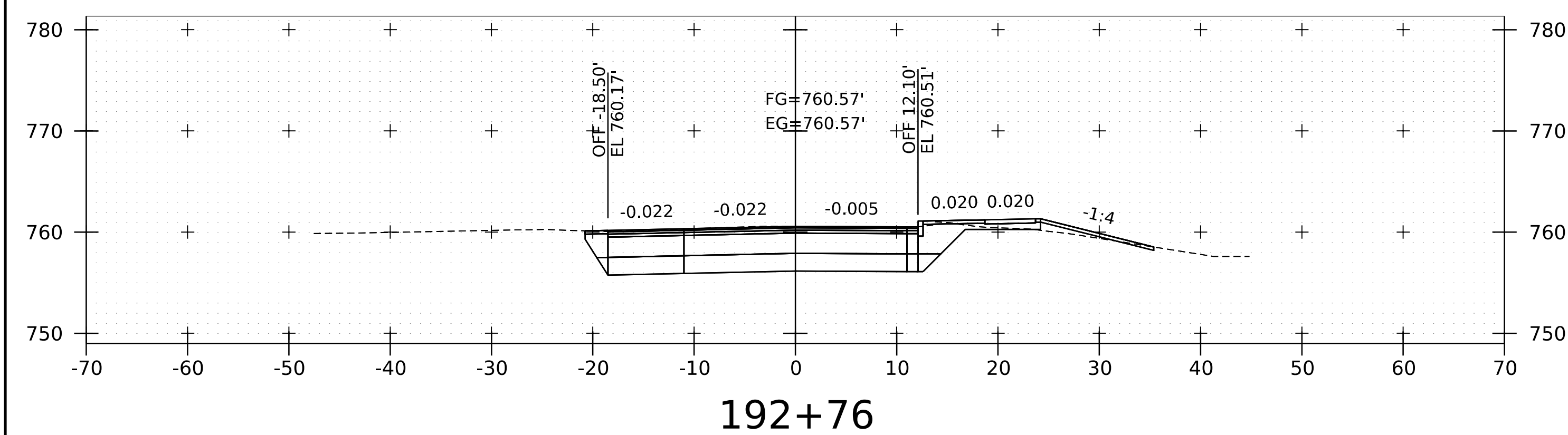
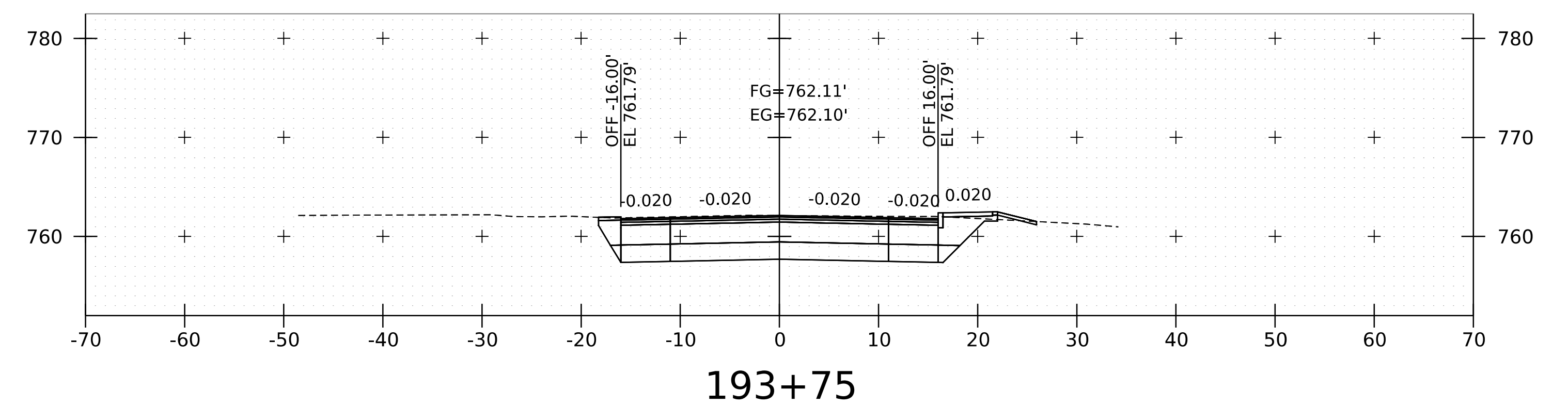
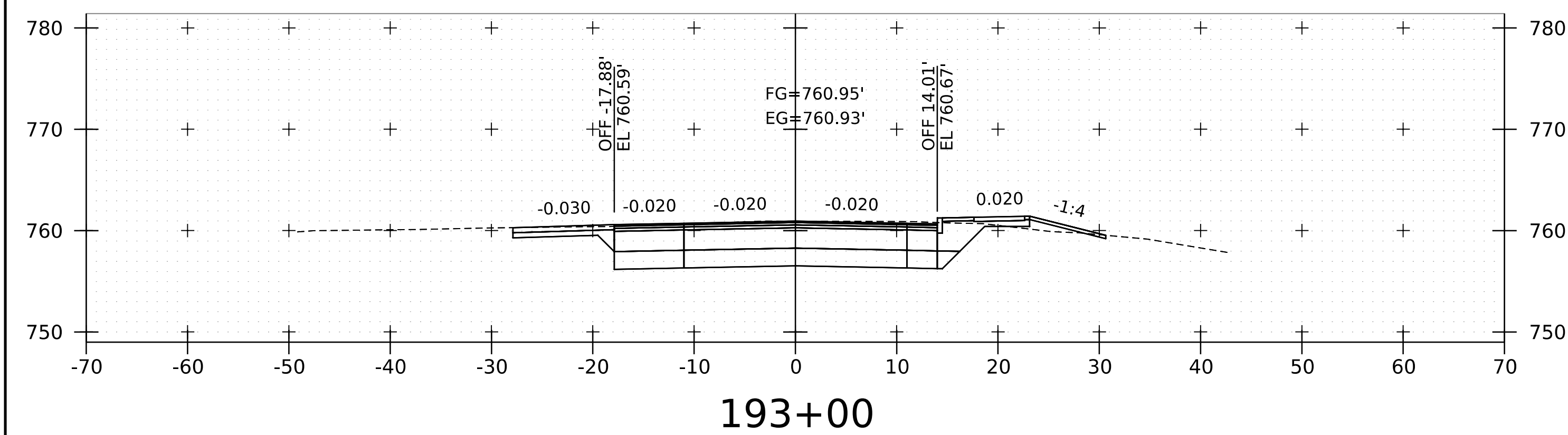
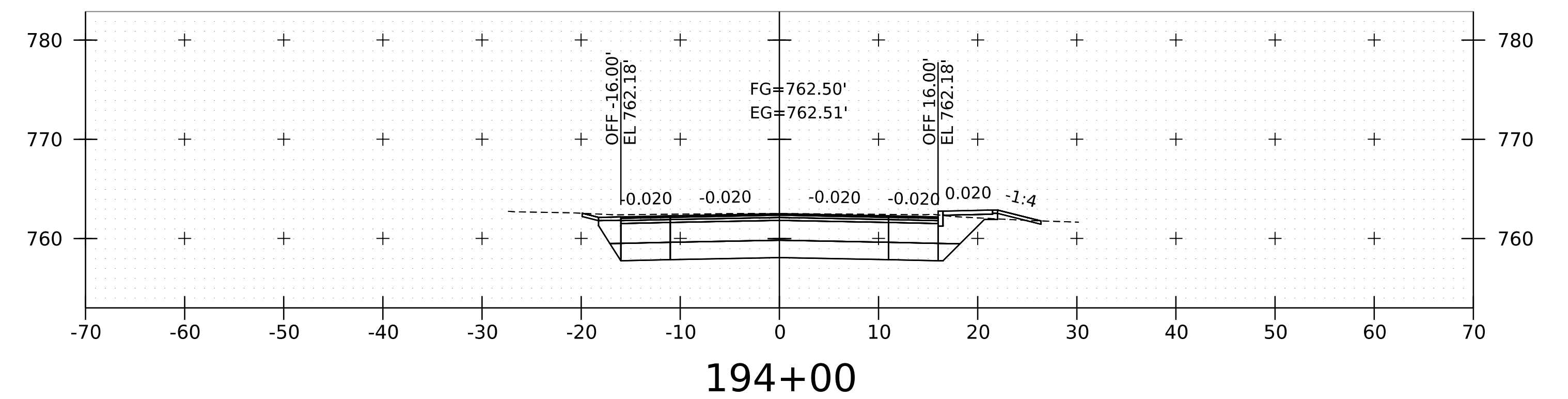
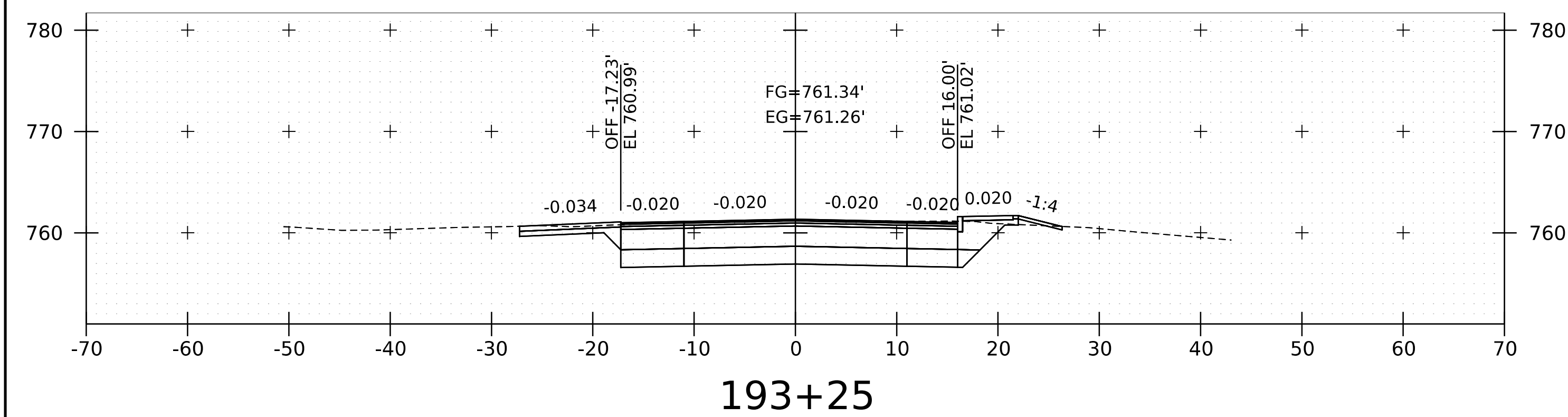
NOTES:

- ALL SIGNAL HEADS SHALL HAVE INDICATORS WITH A VISIBLE SPREAD OF 80 DEGREES.
- ALL SIGNAL EQUIPMENT AND SIGNS MOUNTED ON CANTILEVERED MAST ARMS SHALL HAVE SAFETY CABLES.
- WHERE WORK WOULD LEAVE HOLES IN EXISTING SIGNAL EQUIPMENT, INCLUDING POLES, THOSE HOLES SHALL BE PLUGGED/REPAIRED USING METHODS APPROVED BY THE ENGINEER AND SHALL BE PAID INCIDENTAL TO ALL OTHER SIGNAL ITEMS.
- A UNIFORMED TRAFFIC OFFICER WITH A BLUE LIGHT SHALL BE PRESENT DURING ALL LANE CLOSURES, WHEN THE SIGNAL IS IN FLASH OPERATION, AND WHEN THE SIGNAL IS DARK.
- ITEMS LISTED ARE APPROXIMATE LOCATIONS AND MAY BE MODIFIED BY THE ENGINEER IN THE FIELD.
- CONTRACTOR TO LOCATE POTENTIAL UTILITY CONFLICTS PRIOR TO ORDERING SIGNAL EQUIPMENT. PAID UNDER ITEM 204.2200 TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.).
- CALL DIG SAFE PRIOR TO PERFORMING ANY EXCAVATION WORK (1-888-DIG-SAFE). THE STATE OF VERMONT AND TOWNS ARE NOT MEMBERS OF DIG SAFE AND MUST BE CONTACTED SEPARATELY, PRIOR TO THE BEGINNING OF WORK.
- ELECTRICAL WIRING FOR SIGNALS NOT IN NEW WIRED CONDUIT WILL BE PAID UNDER ITEM 678.2030 TRAFFIC SIGNAL HEAD ASSEMBLY.



LEGEND	
	MAST ARM & POLE (MAP)
	CONTROLLER CABINET
	JUNCTION BOX, HEAVY DUTY
	SIGNAL HEAD WITH PHASE NO.
	MAST ARM MOUNTED SIGN & LABEL
	PEDESTRIAN SIGNAL HEAD
	WIRED CONDUIT
	WIRED CONDUIT IN ELECTRICAL CONDUIT SLEEVE
	STOP BAR DETECTION AREA & LABEL



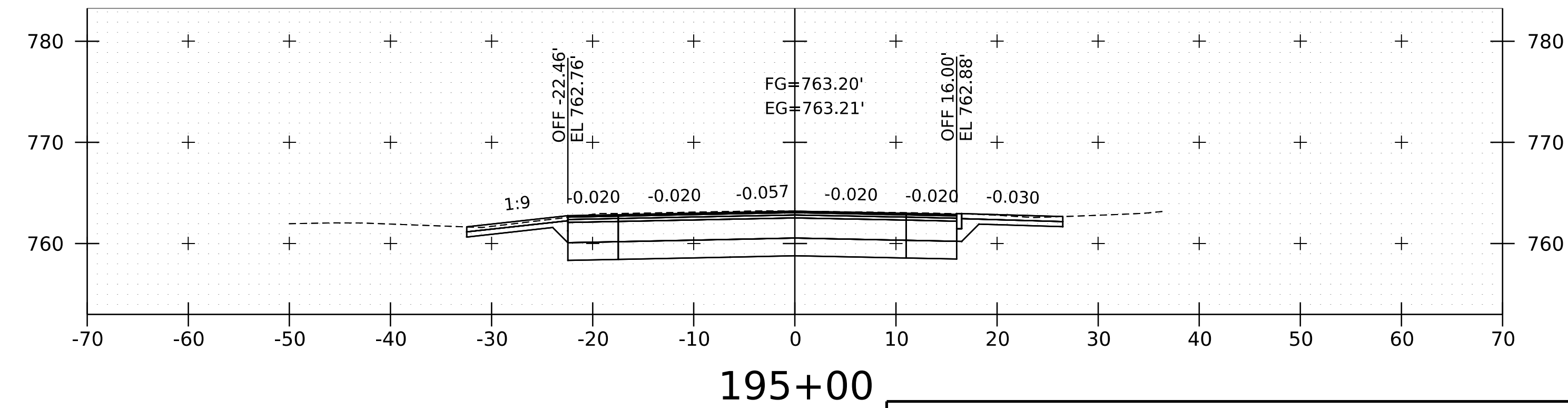
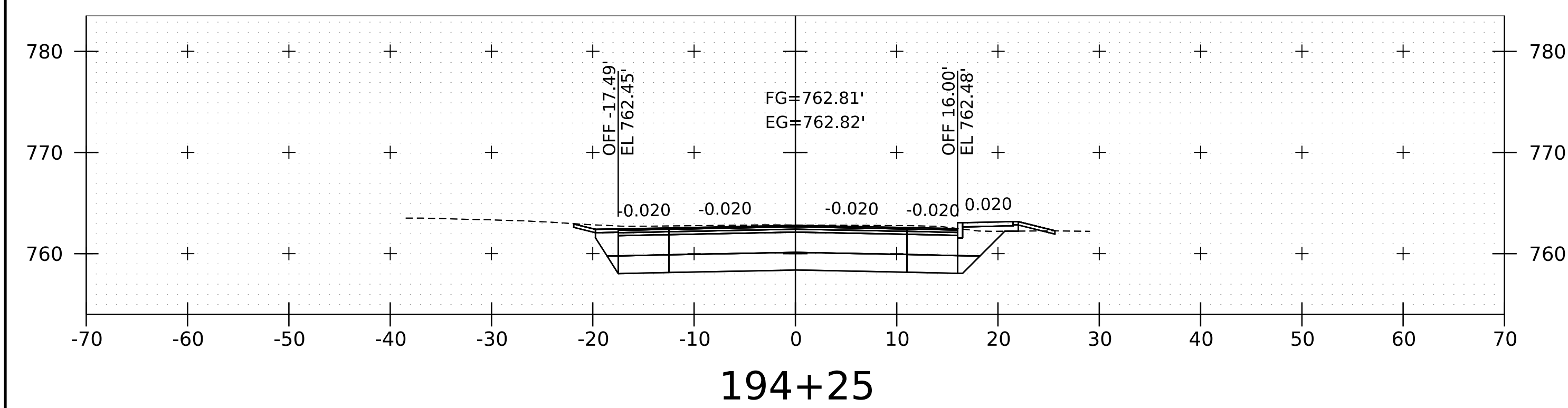
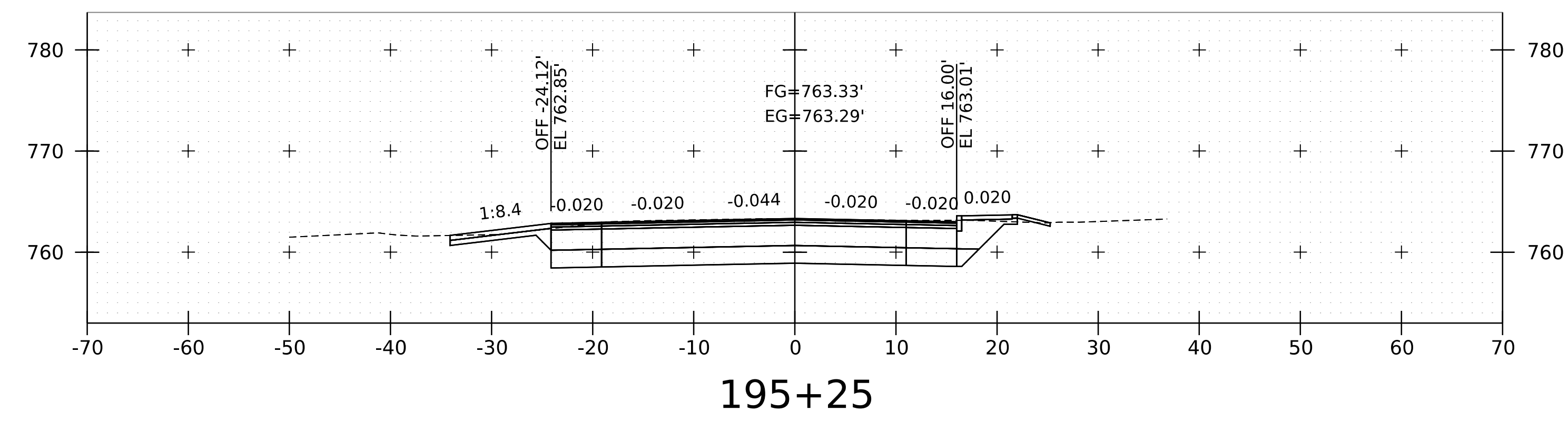
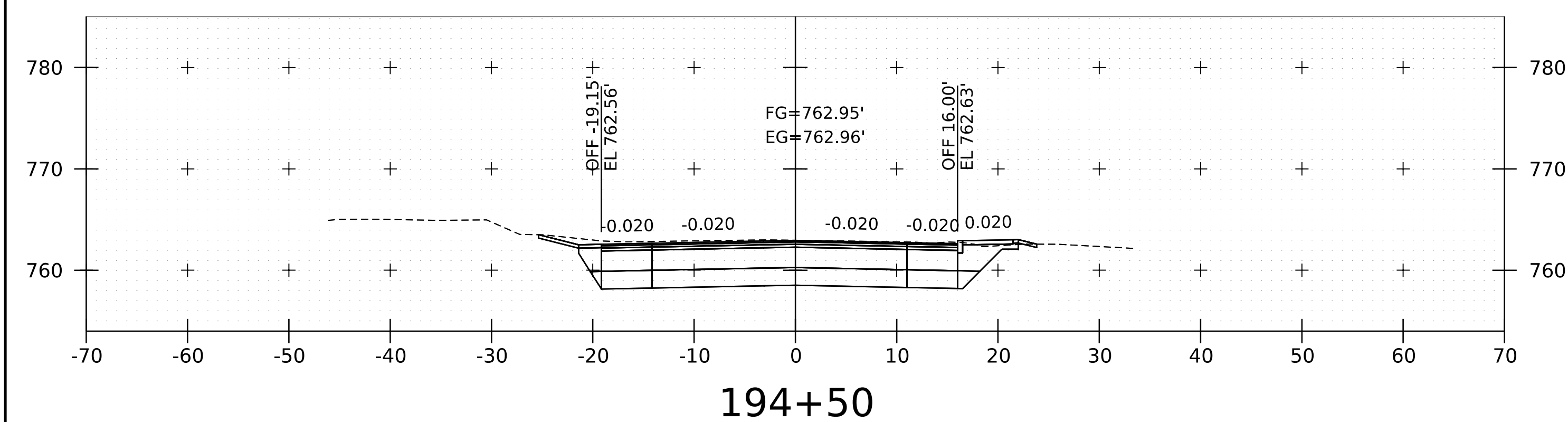
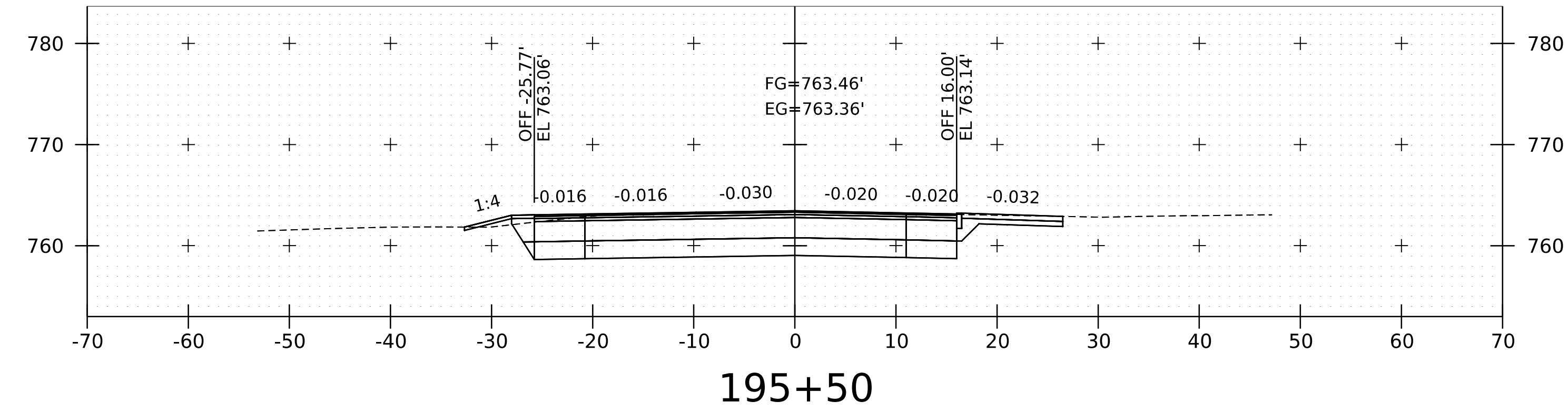
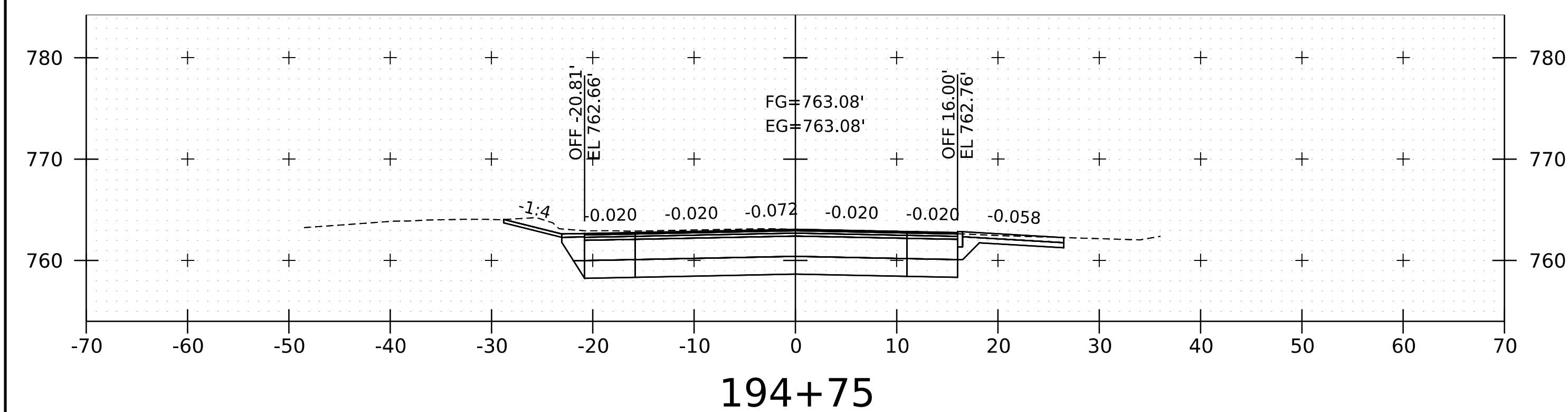


STA. 192+75.97  
END APPROACH  
BEGIN PROJECT  
STP 0235(24)



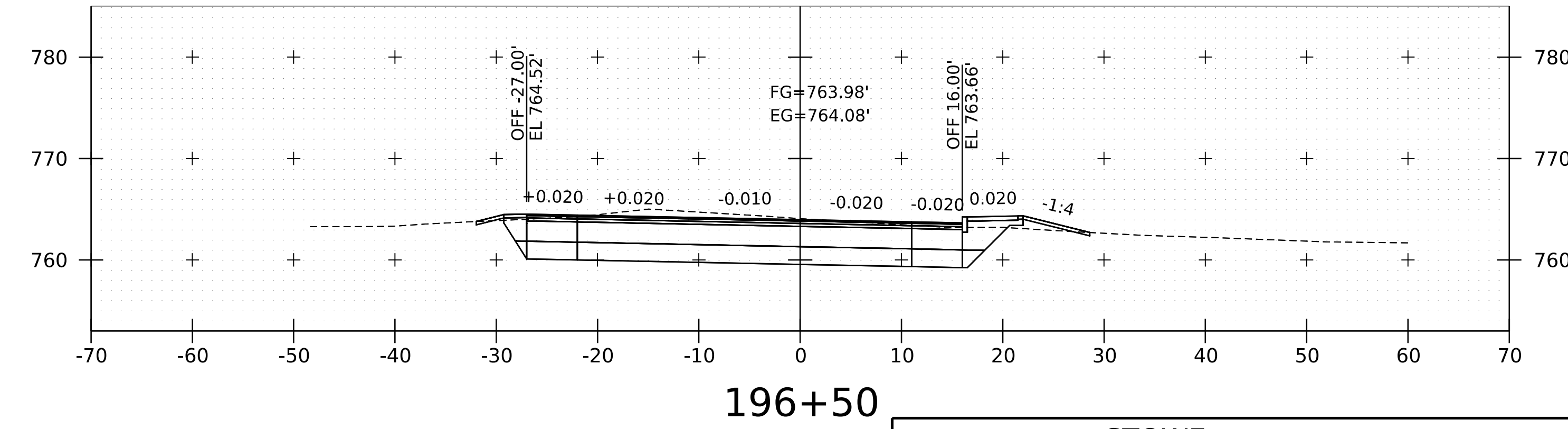
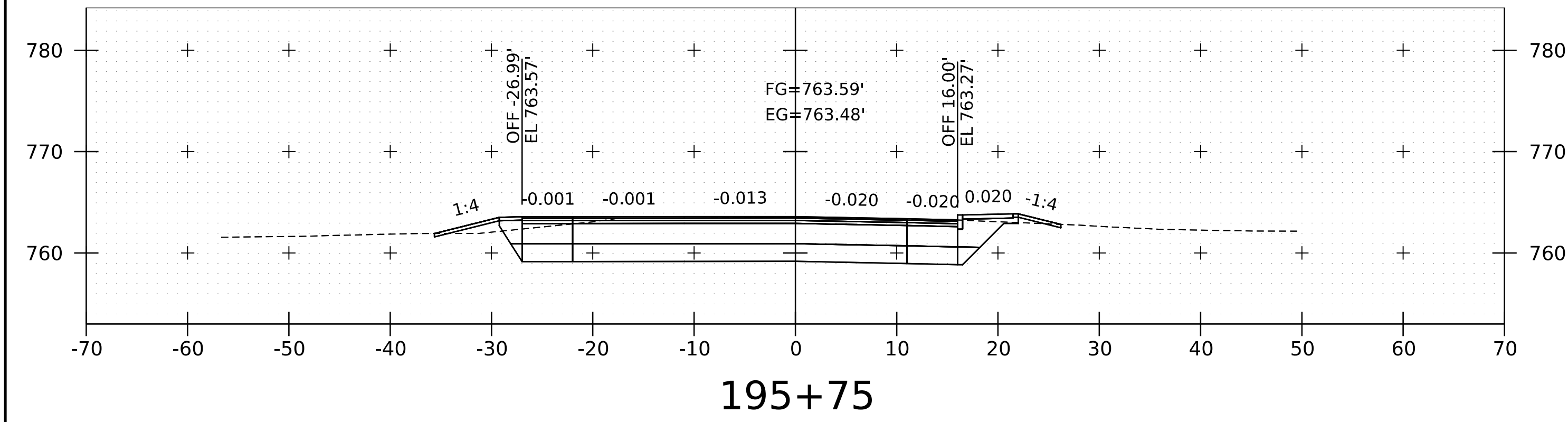
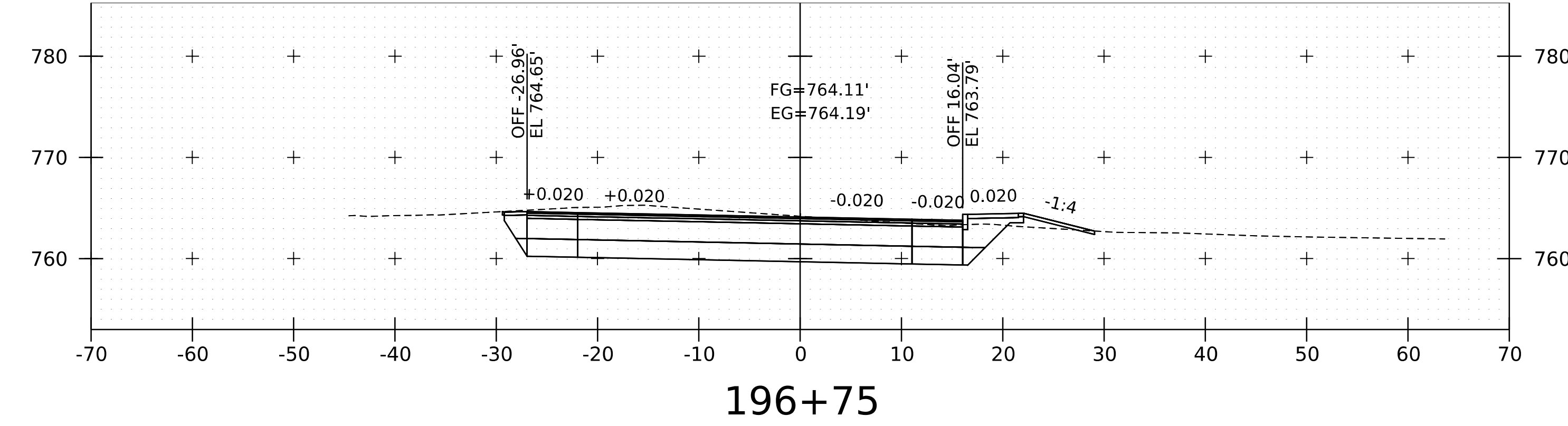
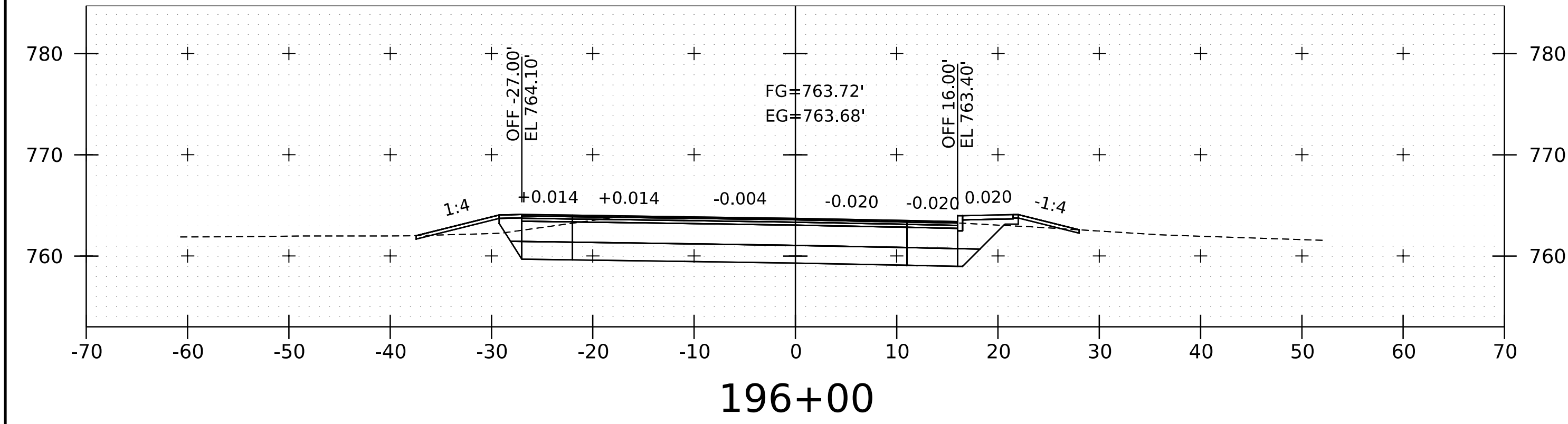
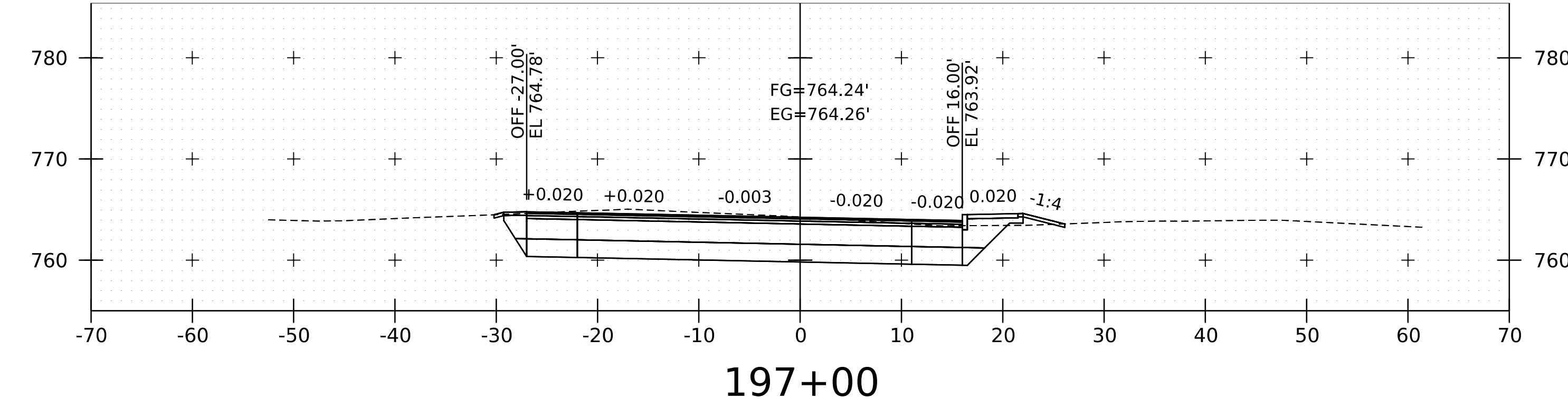
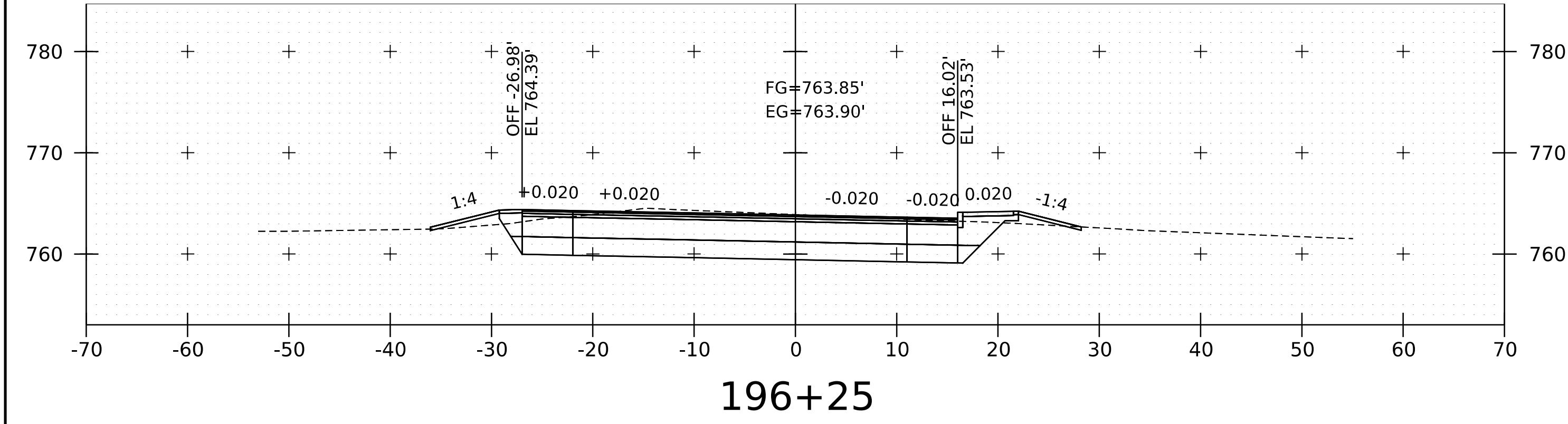
PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_vt108.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	21 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 CROSS SECTION SHEET 1			





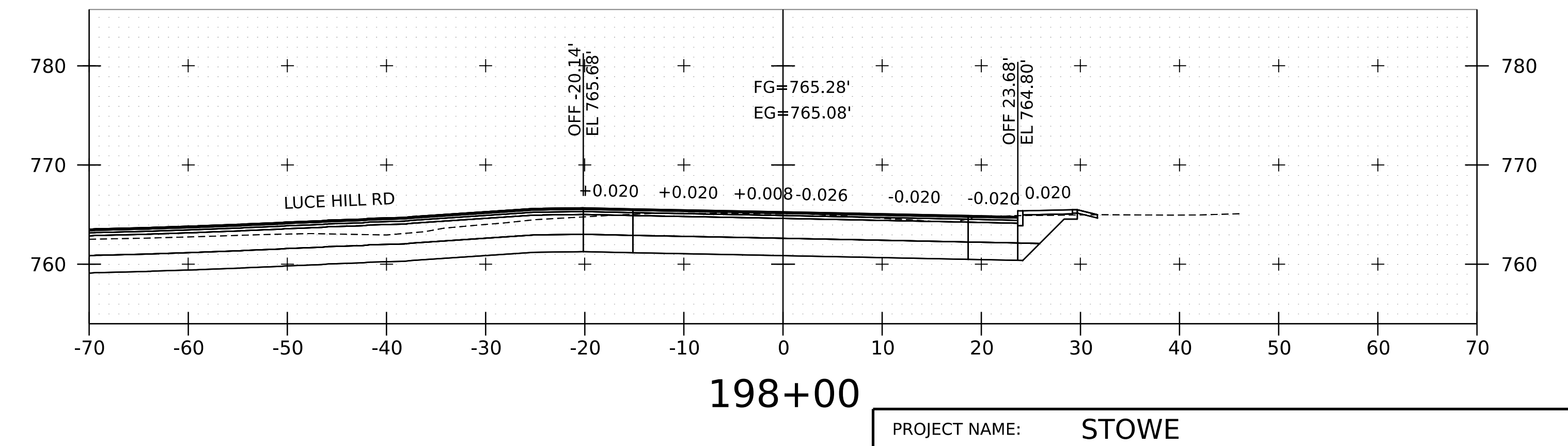
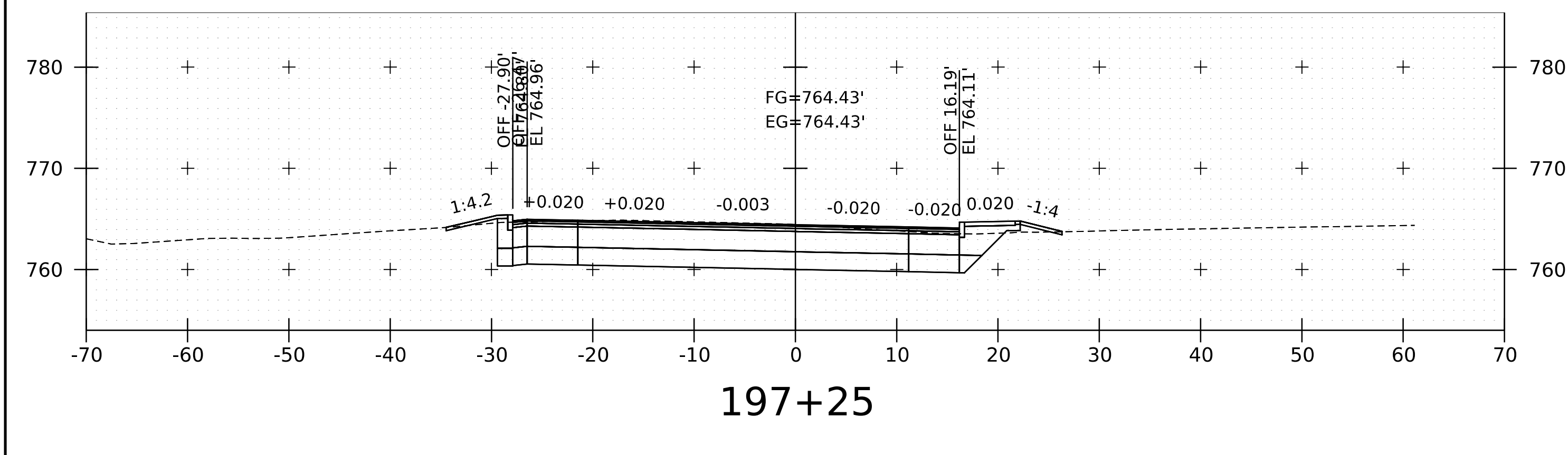
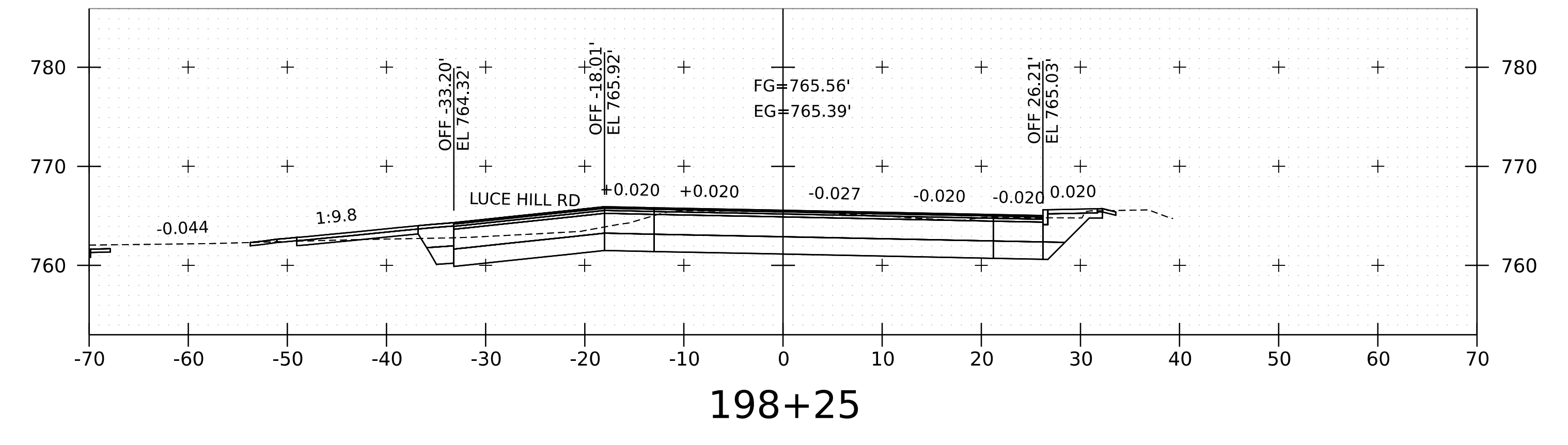
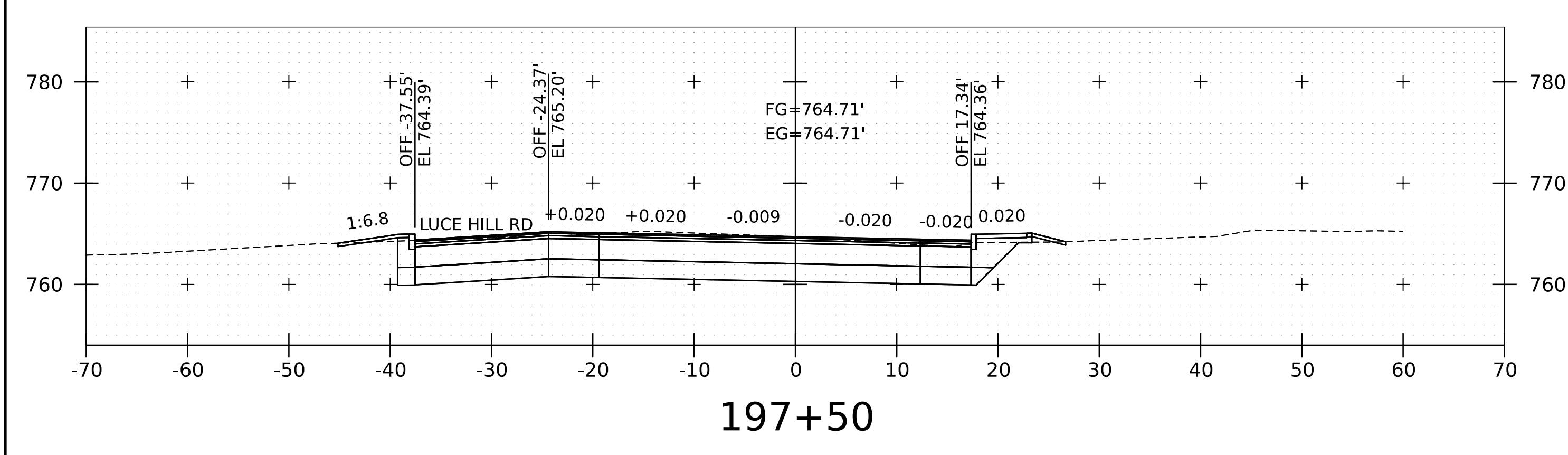
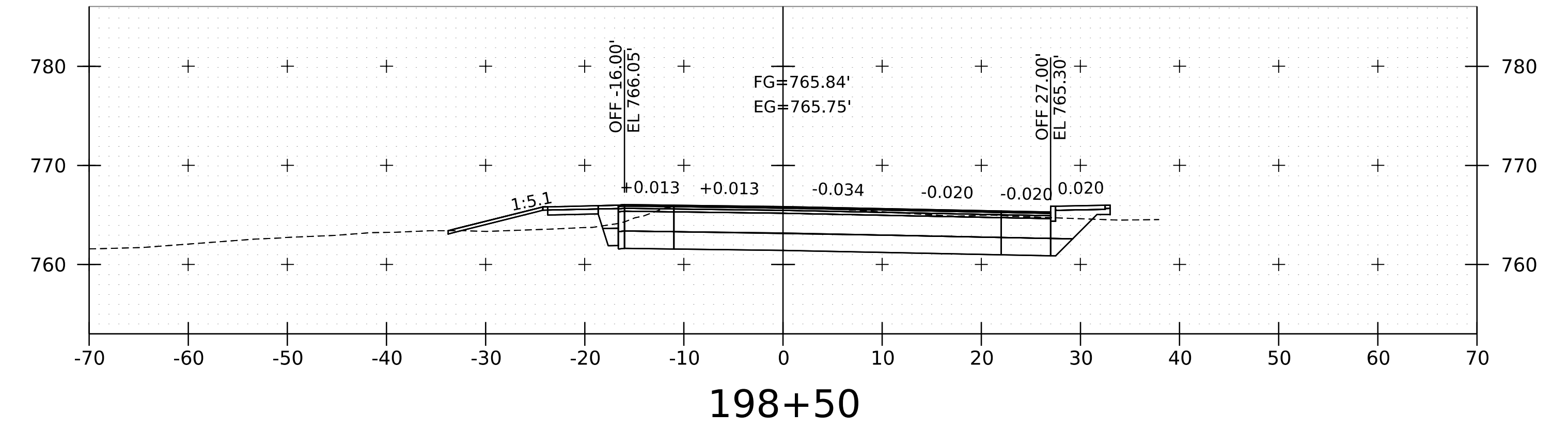
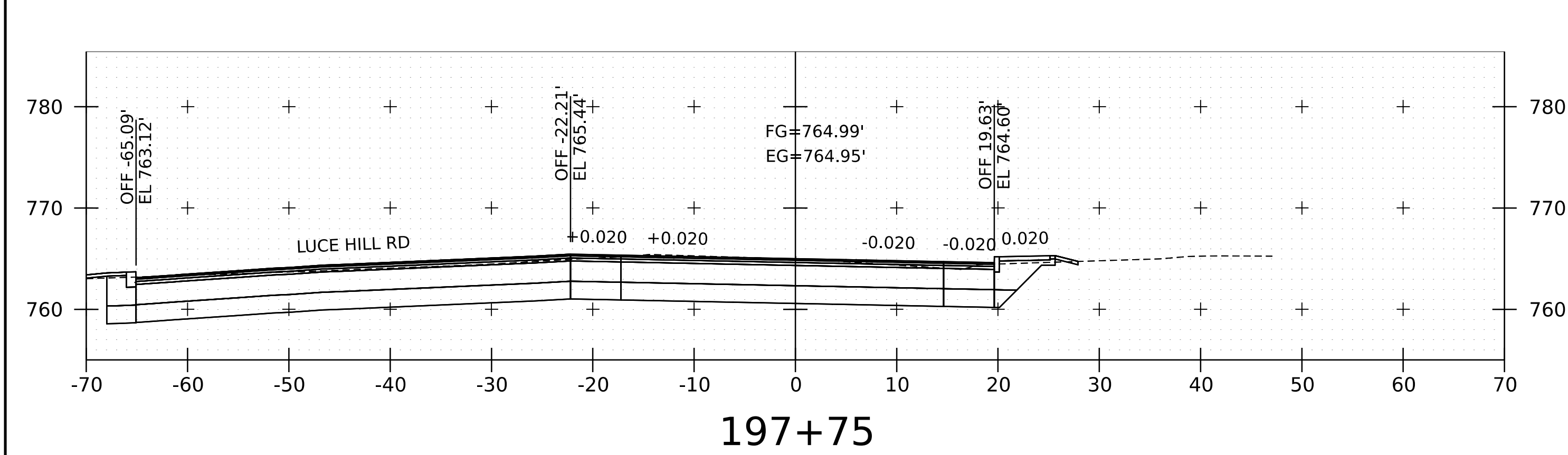
PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_vt108.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	22 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 CROSS SECTION SHEET 2			





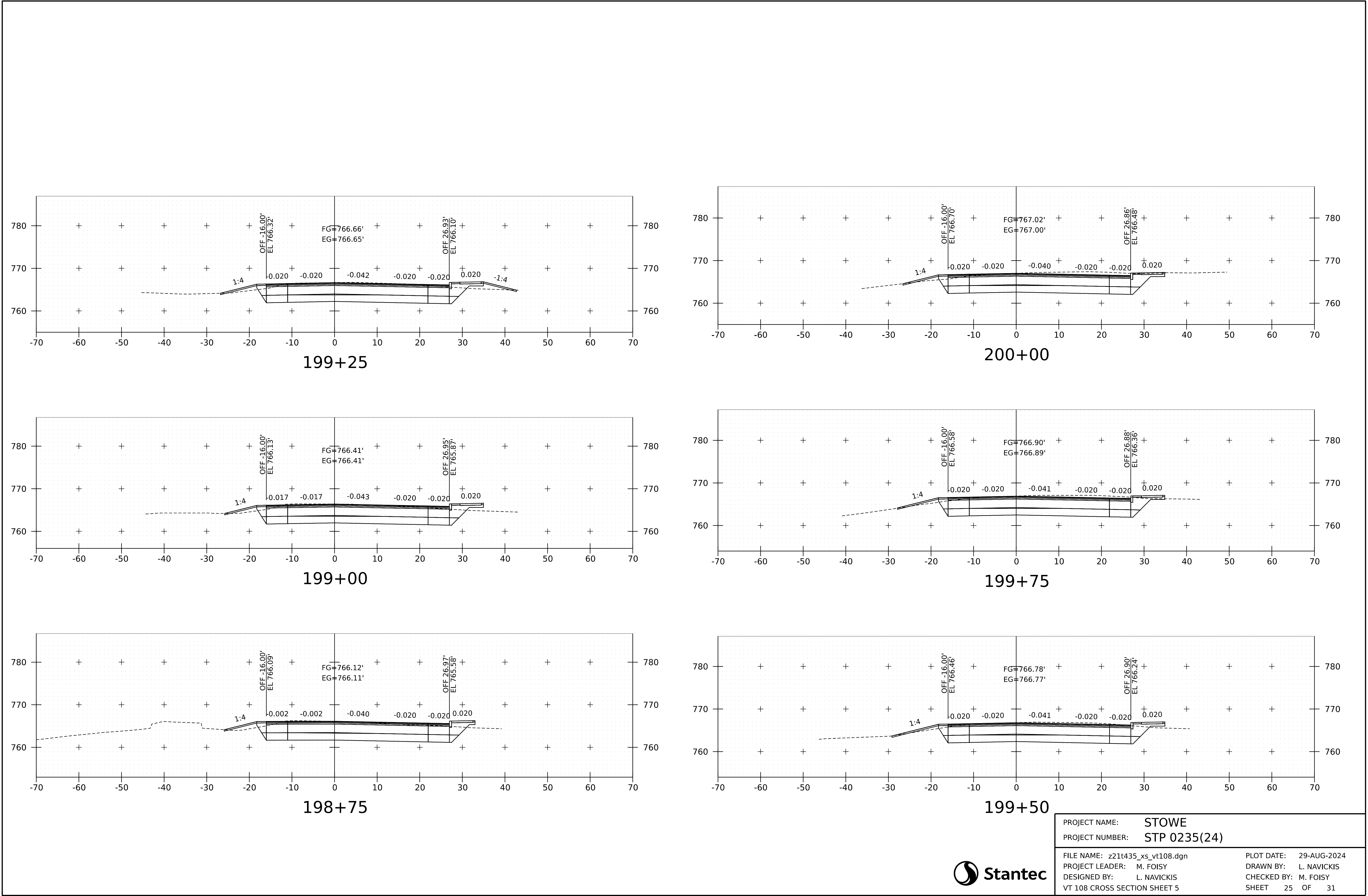
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PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_vt108.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	23 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 CROSS SECTION SHEET 3			





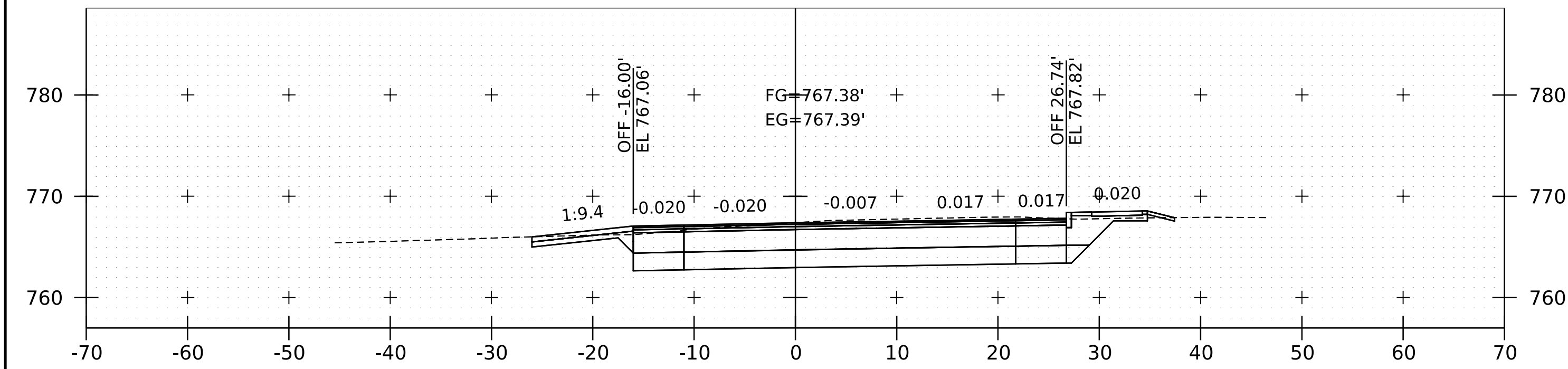
PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_vt108.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	24 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 CROSS SECTION SHEET 4			



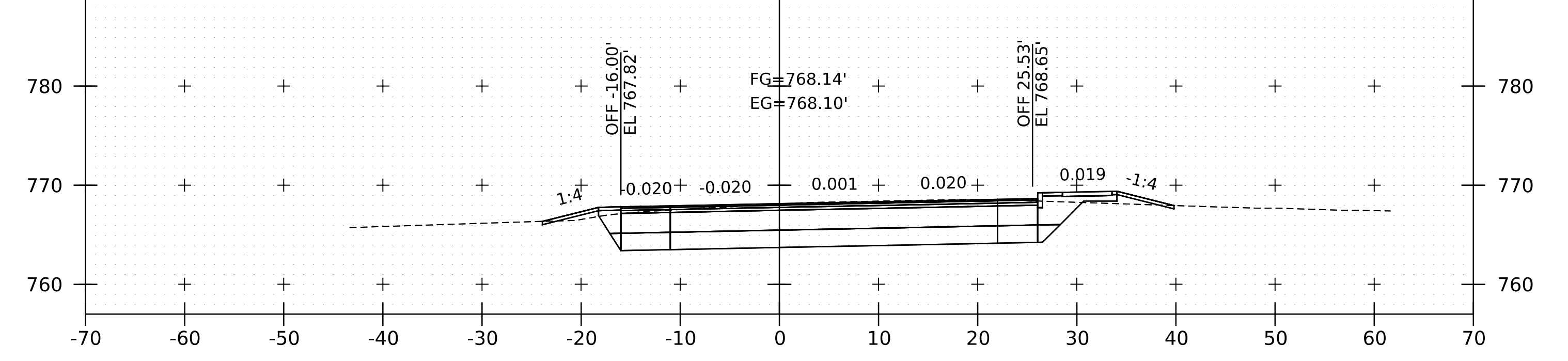


PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_vt108.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	25 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 CROSS SECTION SHEET 5			

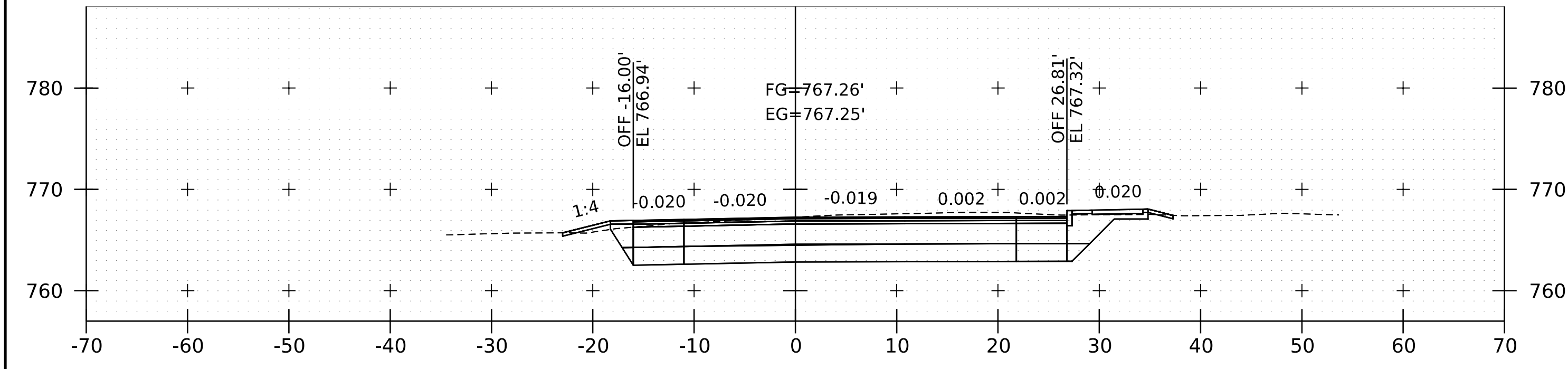




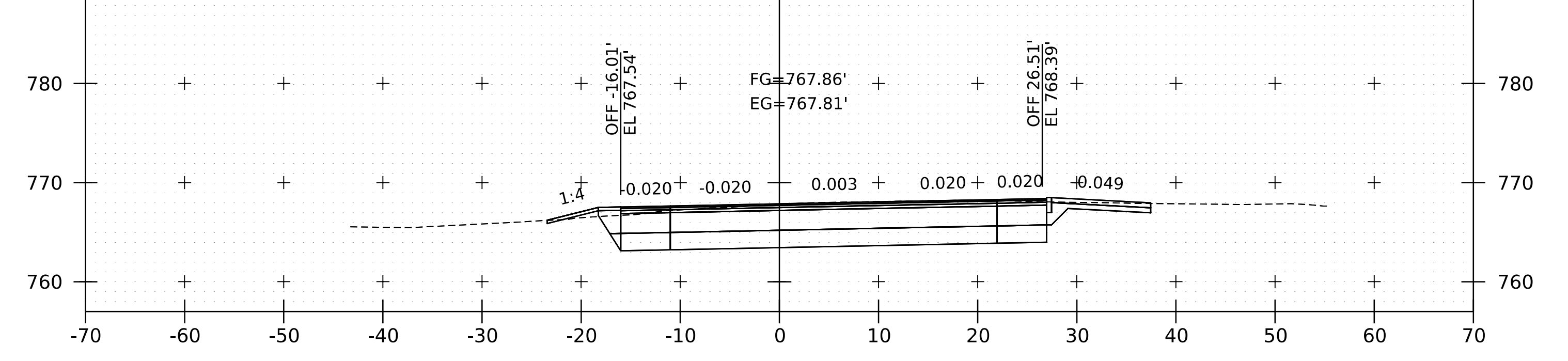
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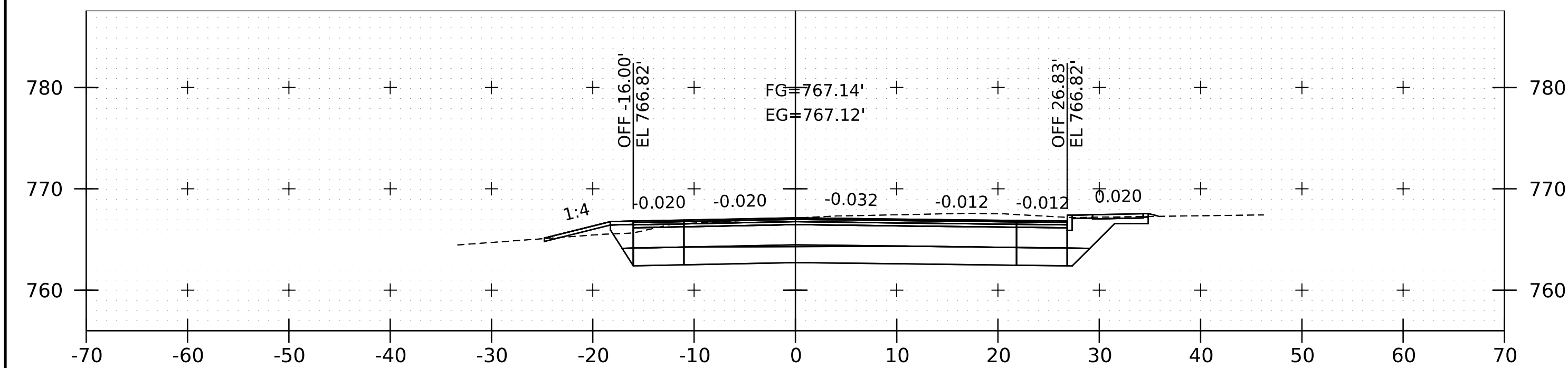
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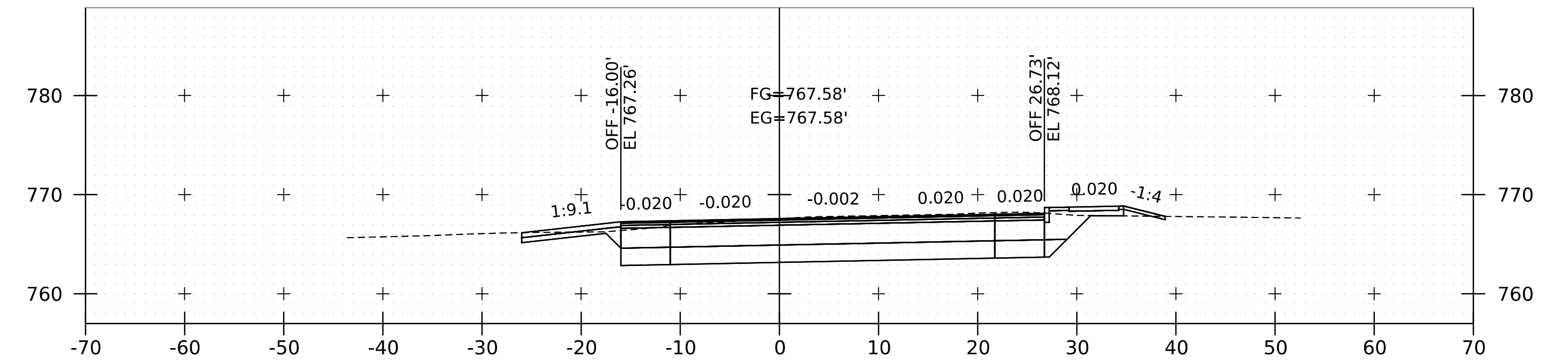
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201+25



200+25

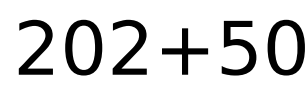
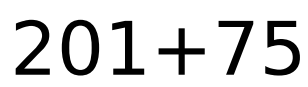
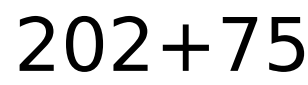
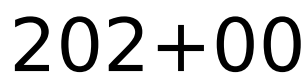
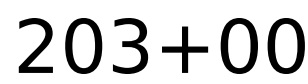
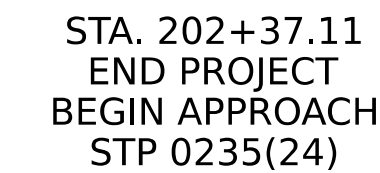


201+00



PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_vt108.dgn	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	26 OF 31
DESIGNED BY:	L. NAVICKIS		
VT 108 CROSS SECTION SHEET 6			





PROJECT NAME: STOWE  
PROJECT NUMBER: STP 0235(24)

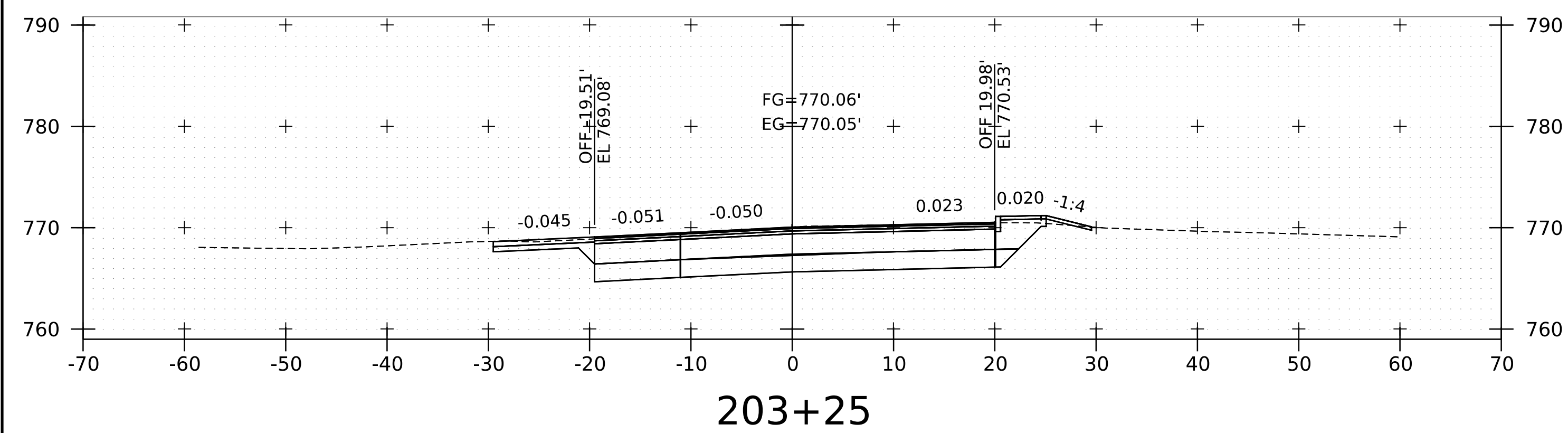
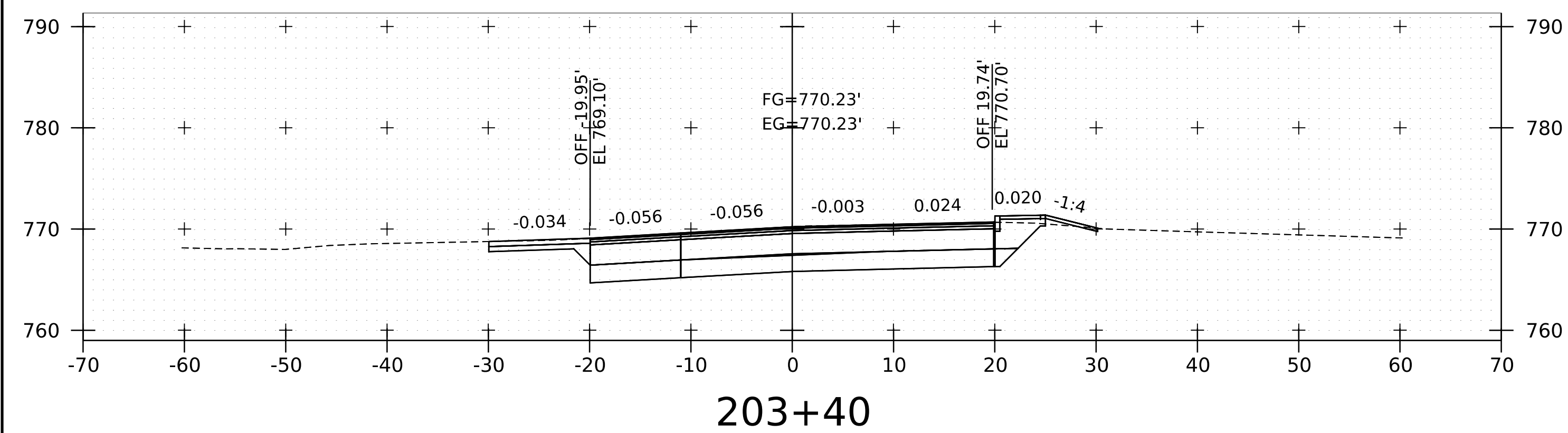
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PROJECT LEADER: M. FOISY  
DESIGNED BY: L. NAVICKIS  
VT 108 CROSS SECTION SHEET 7

PLOT DATE: 29-AUG-2024  
DRAWN BY: L. NAVICKIS  
CHECKED BY: M. FOISY  
SHEET 27 OF 31



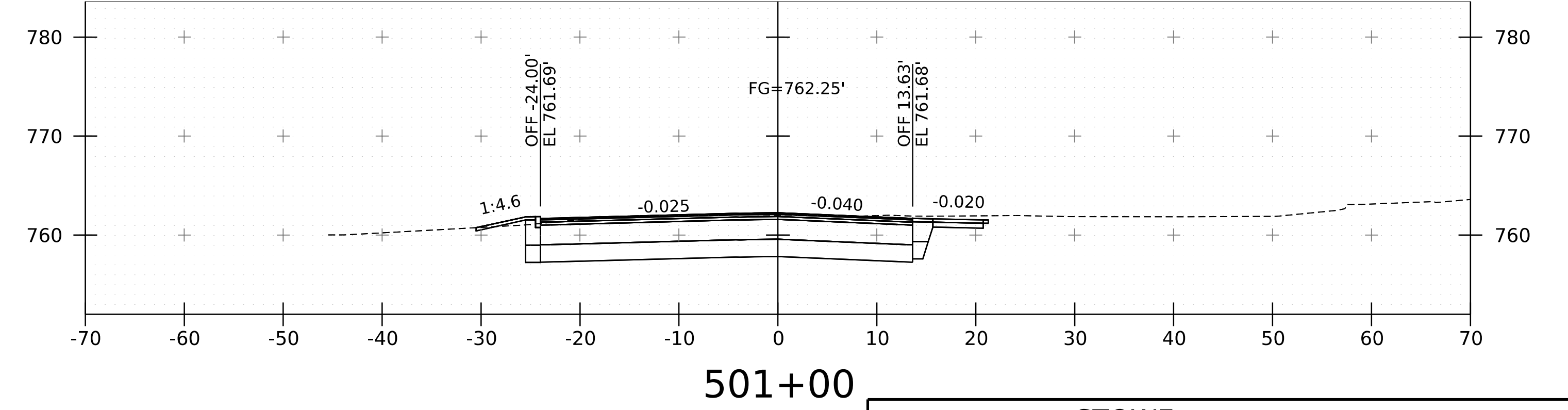
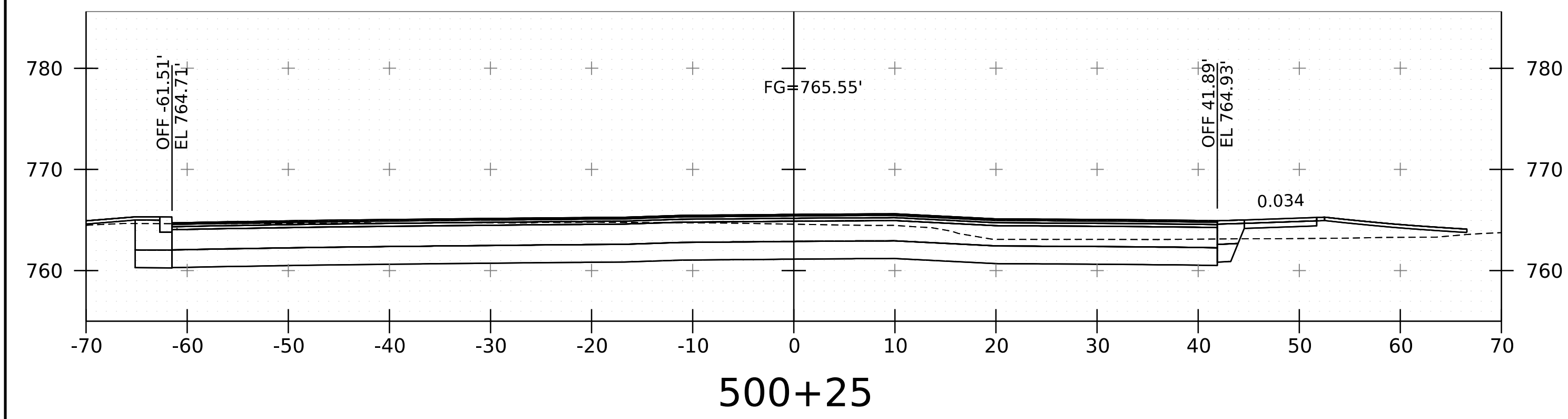
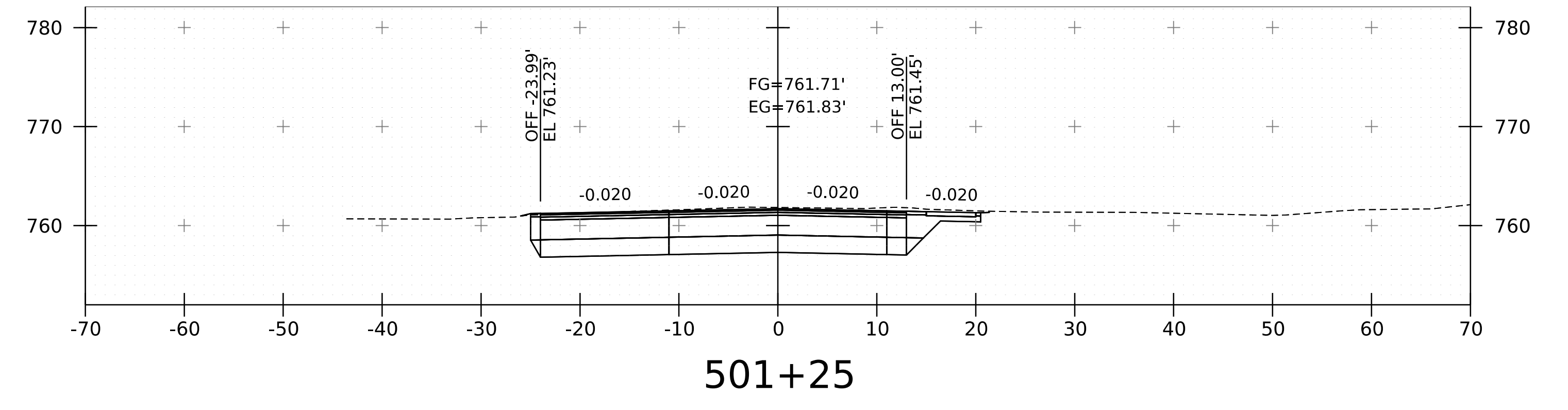
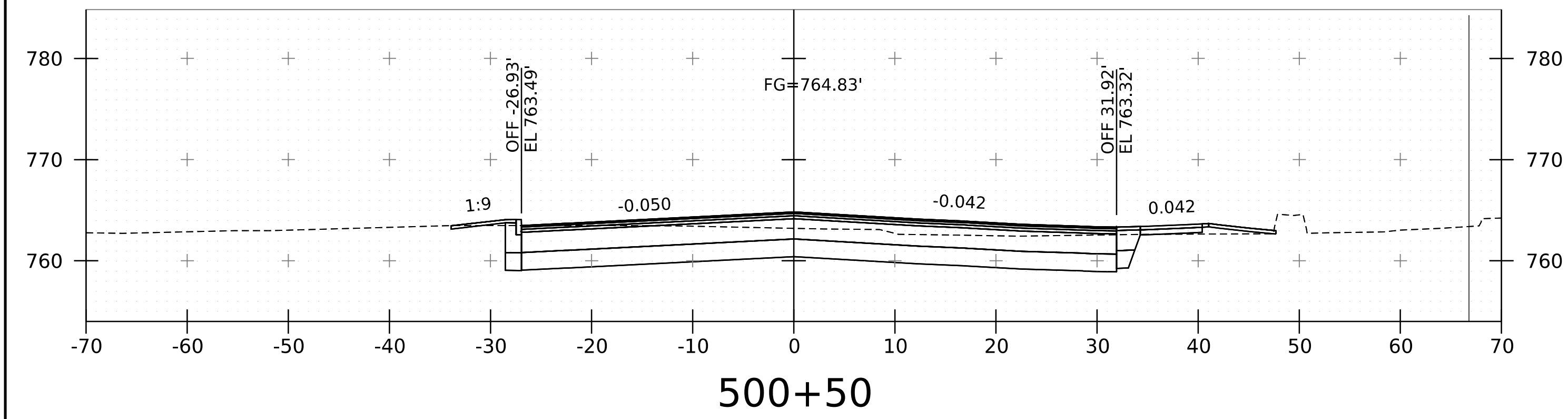
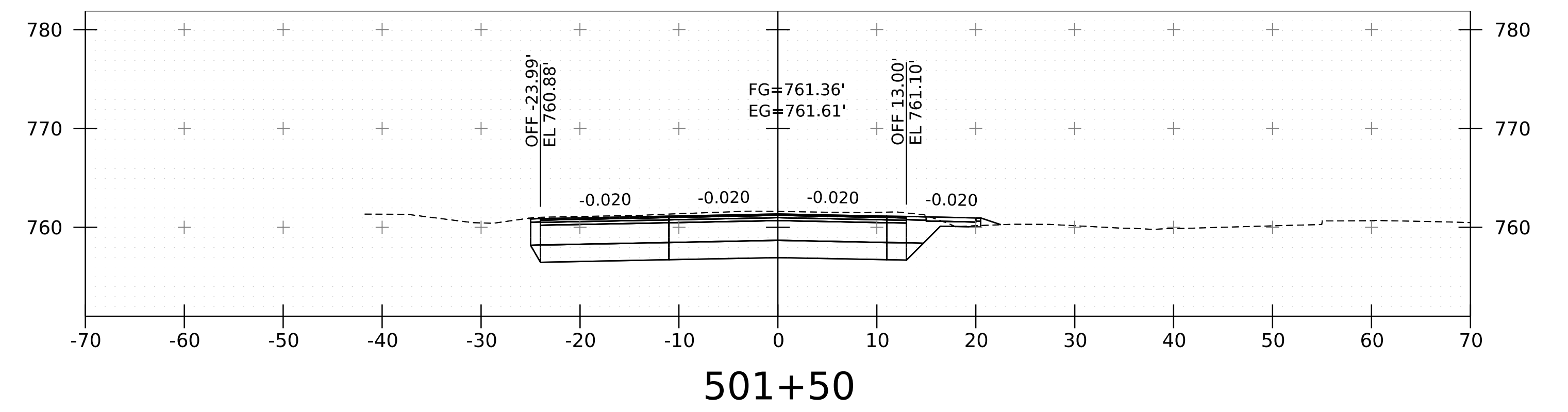
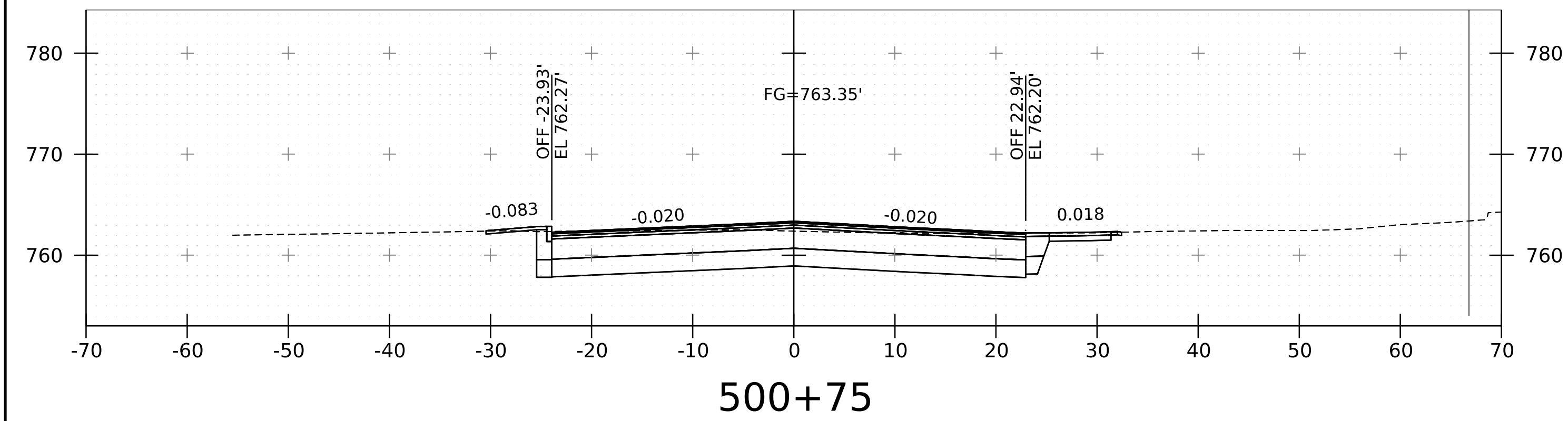


STA. 203+80  
END APPROACH  
BEGIN PROJECT  
STP 0235(24)



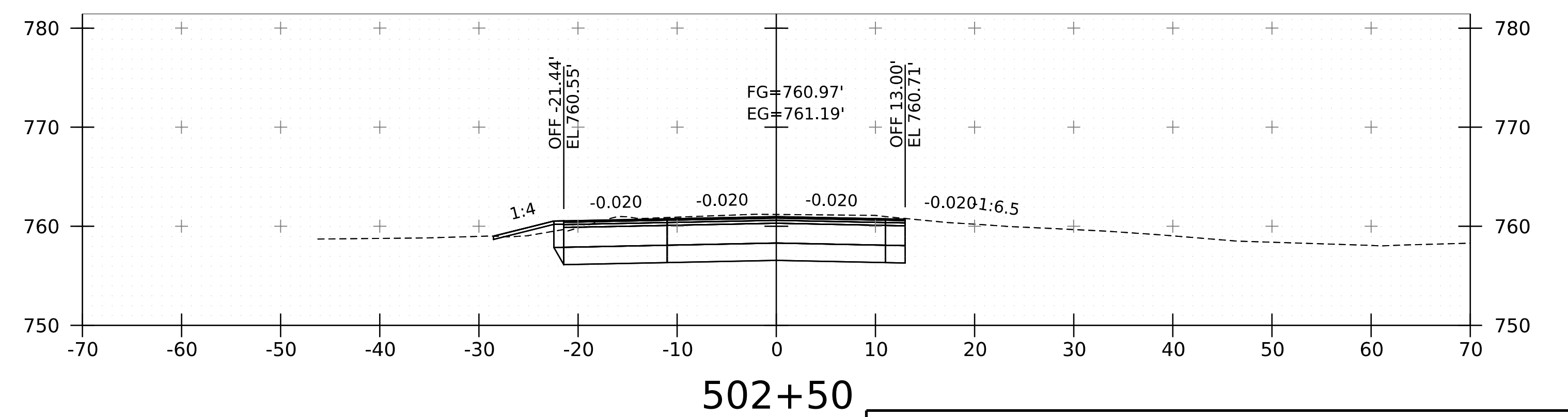
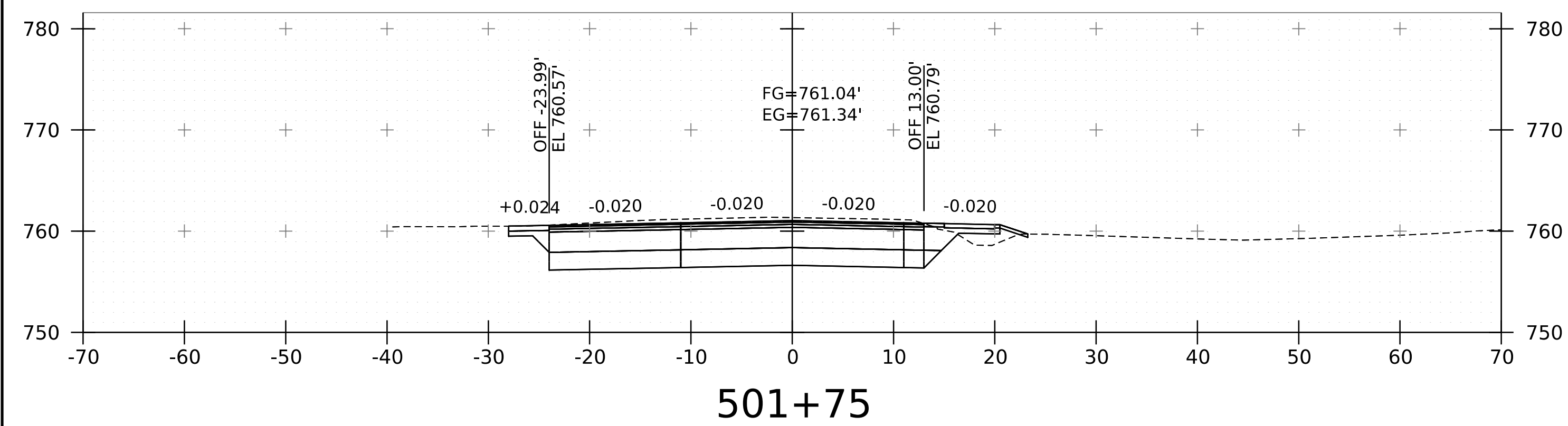
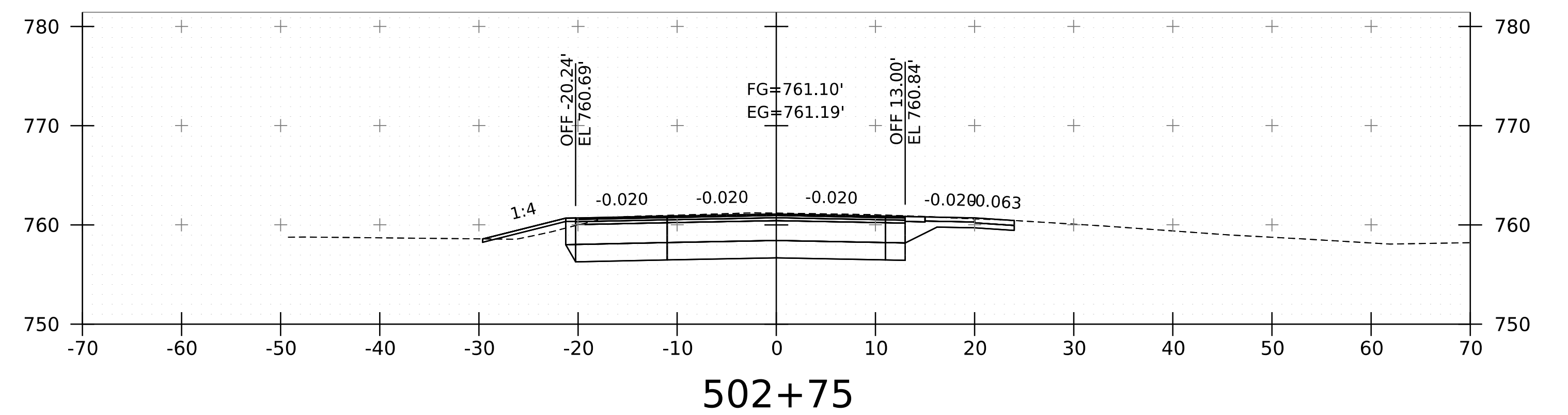
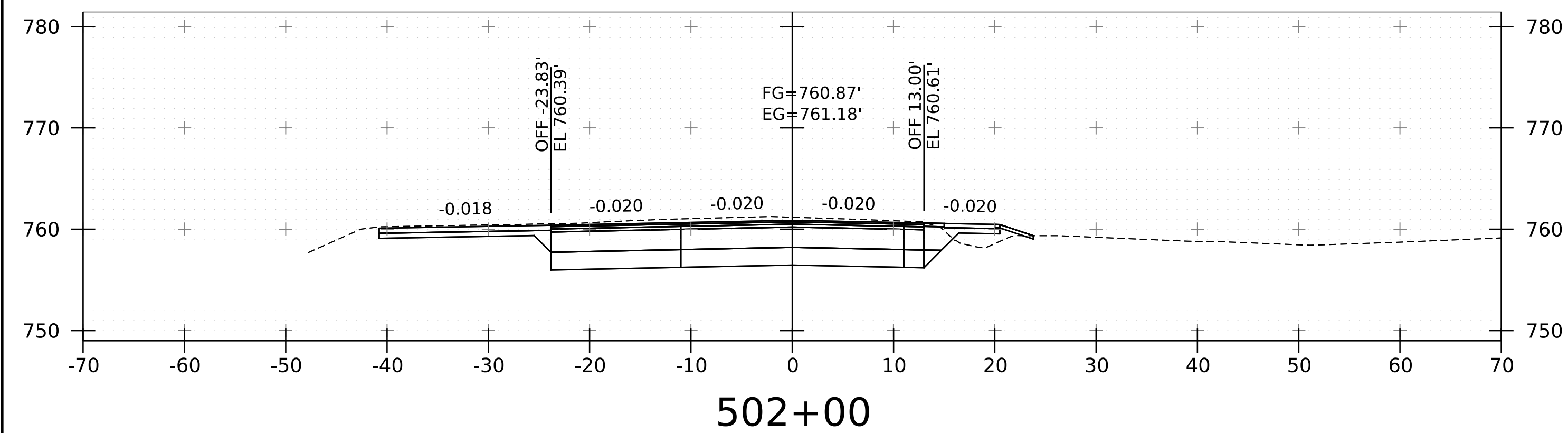
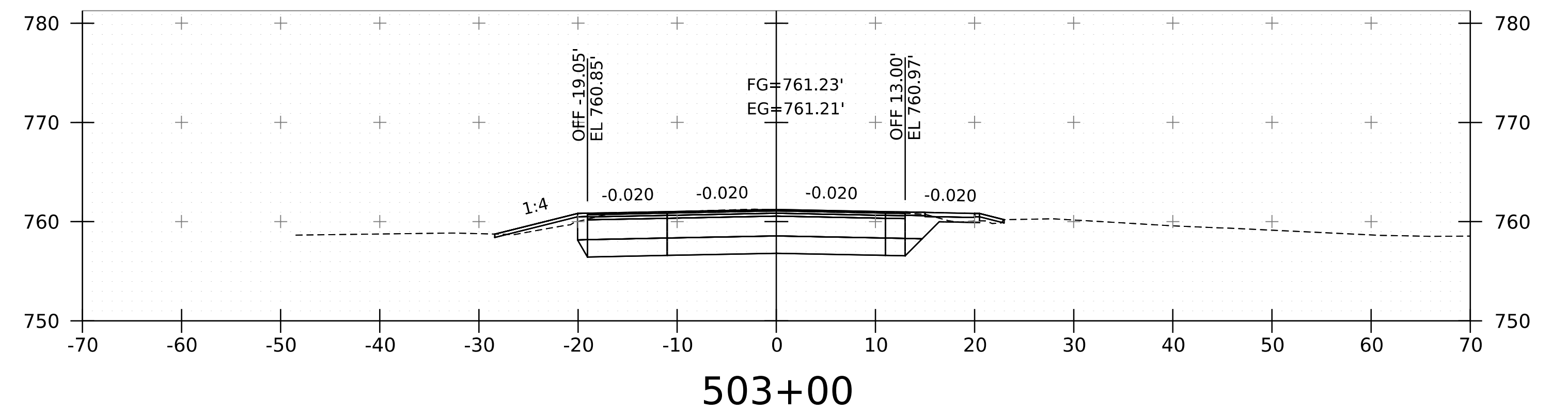
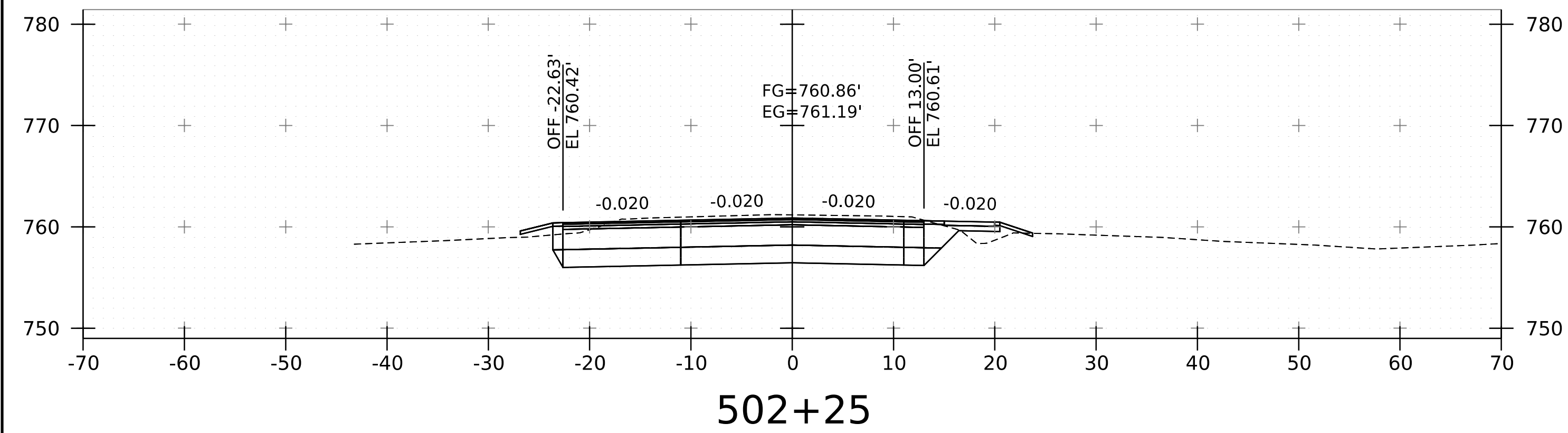
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PROJECT NUMBER:	STP 0235(24)	PROJECT LEADER:	M. FOISY	DRAWN BY:	L. NAVICKIS
		DESIGNED BY:	L. NAVICKIS	CHECKED BY:	M. FOISY
		VT 108 CROSS SECTION SHEET 8		SHEET	28 OF 31





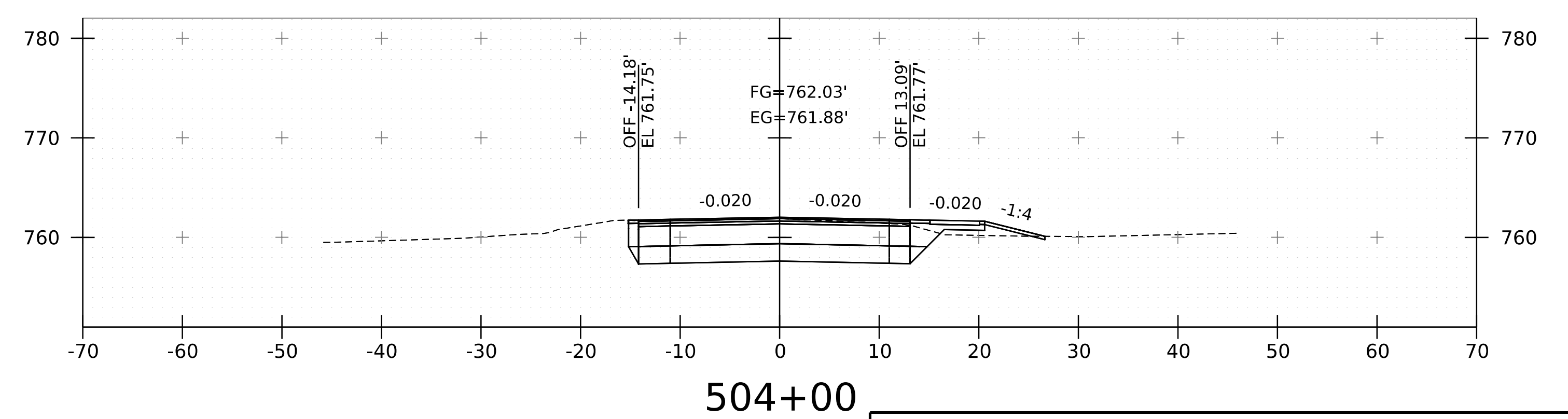
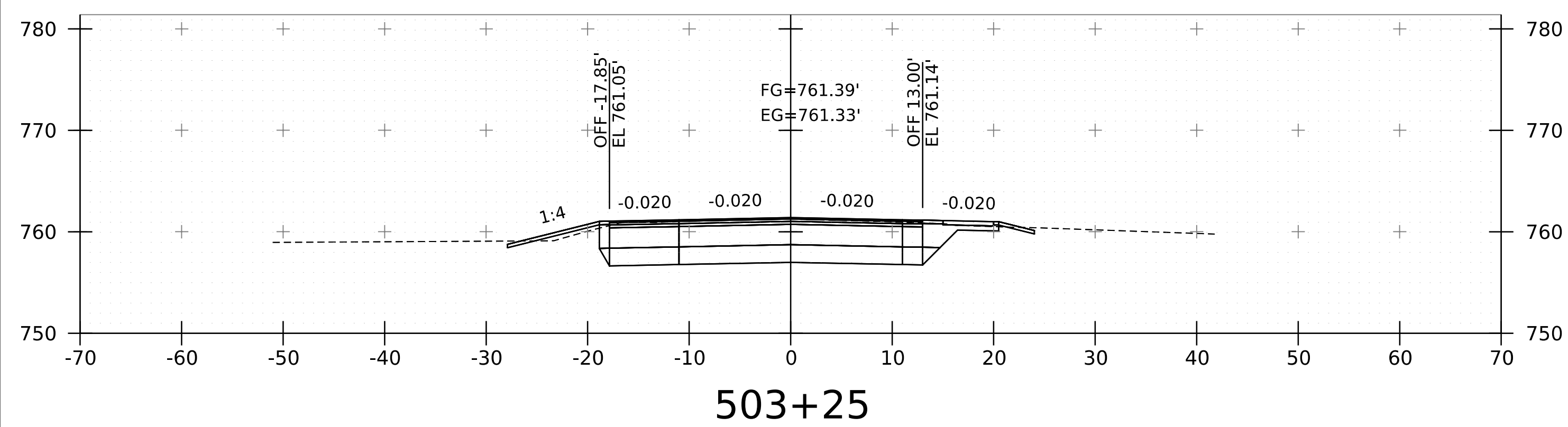
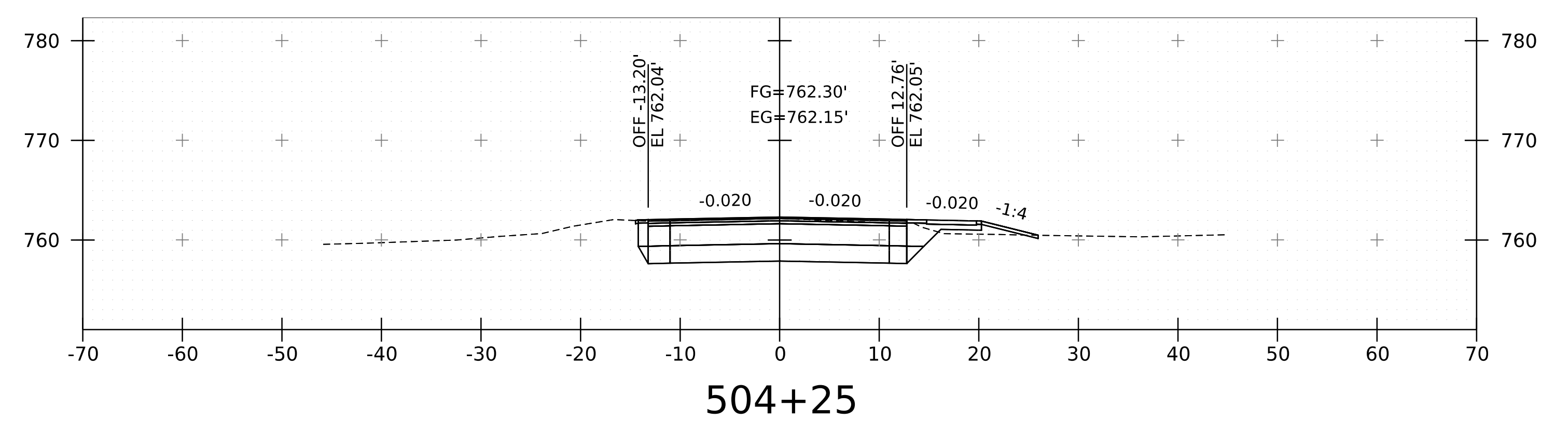
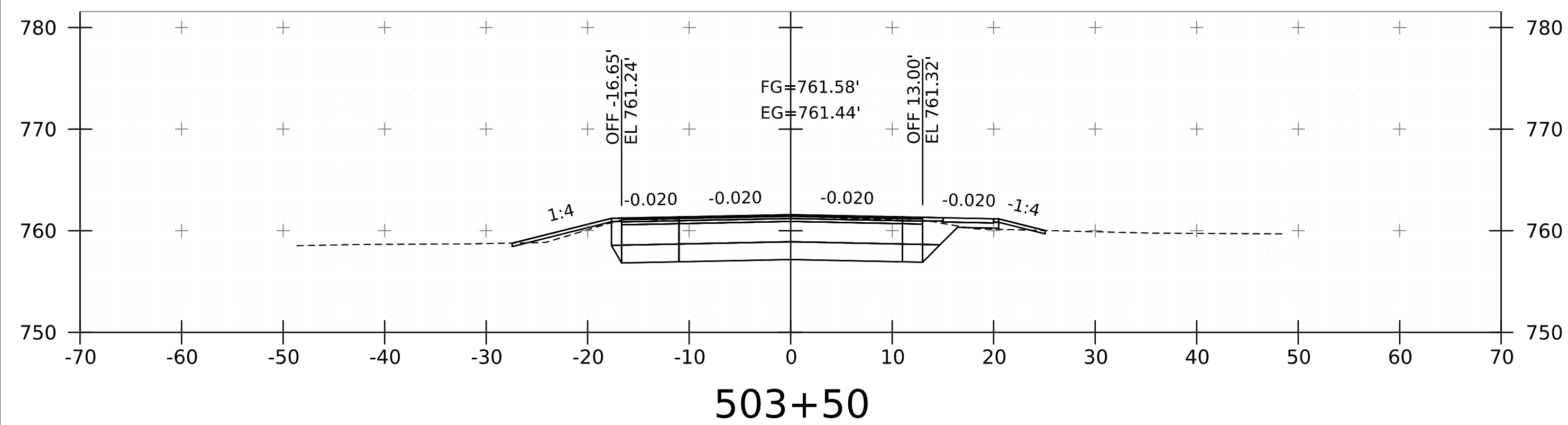
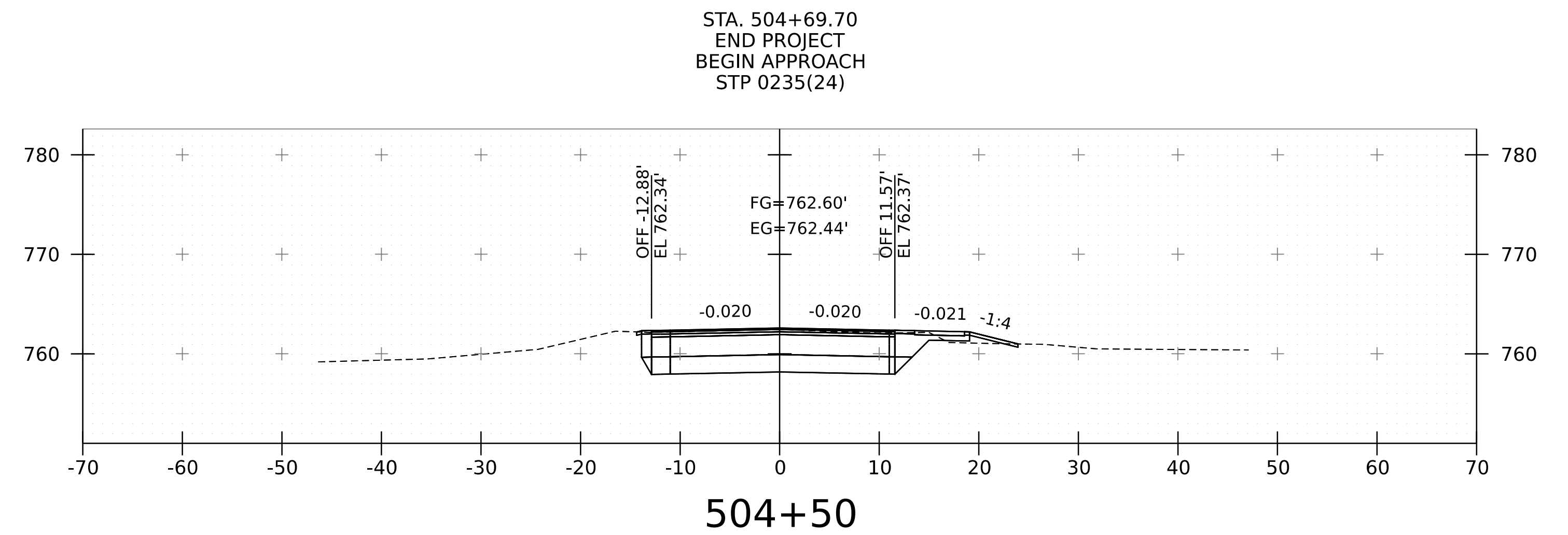
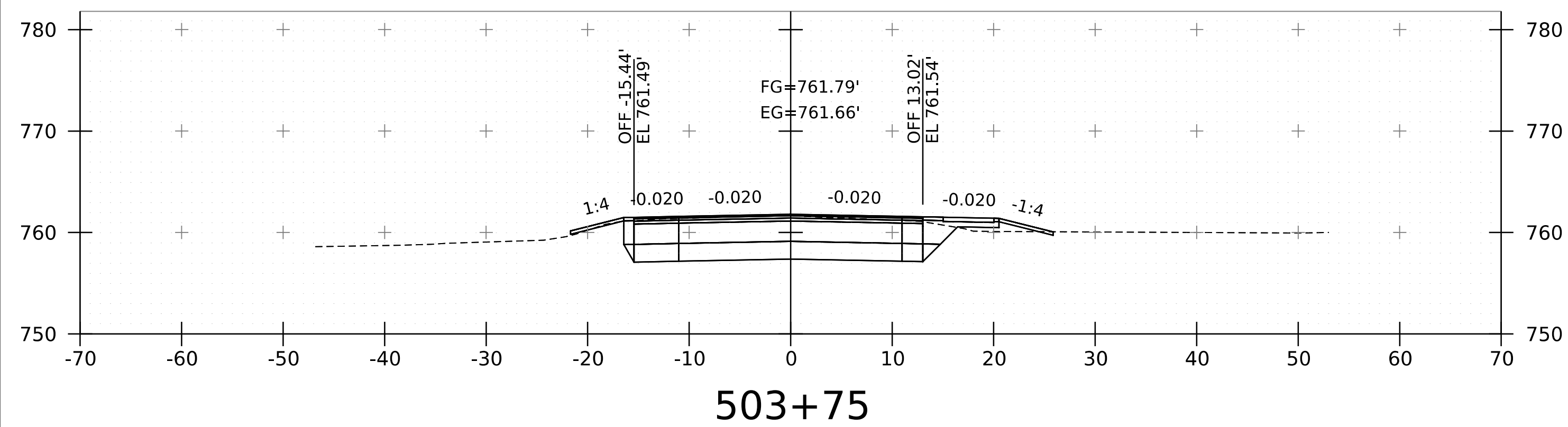
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PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_luce	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	29 OF 31
DESIGNED BY:	L. NAVICKIS		
LUCE HILL CROSS SECTION SHEET 1			





PROJECT NAME:	STOWE	PLOT DATE:	29-AUG-2024
PROJECT NUMBER:	STP 0235(24)	DRAWN BY:	L. NAVICKIS
FILE NAME:	z21t435_xs_luce	CHECKED BY:	M. FOISY
PROJECT LEADER:	M. FOISY	SHEET	30 OF 31
DESIGNED BY:	L. NAVICKIS		
LUCE HILL CROSS SECTION SHEET 2			





STA. 504+69.70  
END PROJECT  
BEGIN APPROACH  
STP 0235(24)