

REVIEWER NOTES:

1. THIS COMBINED PROJECT (BURLINGTON-WINOOSKI BF RAIZ(2) AND BURLINGTON STP 5000(29)) WILL USE A DESIGN-BUILD CONTRACTING APPROACH.
2. THE INTERSECTION LAYOUT SHOWN IS A GRAPHICAL REPRESENTATION OF THE APPROVED LAYOUT FROM THE SCOPING REPORT, AND IS SHOWN TO ENSURE COMPATIBILITY WITH THE BRIDGE ALIGNMENT; NO SPECIFIC DESIGN HAS OCCURRED TO SUPPORT THE LAYOUT SHOWN ON THESE PLANS.
3. CHANNEL SURVEY IS NOT YET AVAILABLE AND CHANNEL SECTIONS ARE NOT PROVIDED AT THIS TIME.
4. SUPERSTRUCTURE AND SUBSTRUCTURES SHOWN ARE CONCEPTUAL IN NATURE.
5. A LATERAL SLIDE CONSTRUCTION METHOD IS ANTICIPATED WHICH WILL REQUIRE A BRIDGE CLOSURE WITH AN OFFSITE DETOUR. PEDESTRIANS WILL BE MAINTAINED ON SITE THROUGHOUT THE PROJECT DURATION. OFFSITE ROADWAY IMPROVEMENTS MAY BE NECESSARY, BUT HAVE NOT BEEN DETERMINED.
6. THE SUBSURFACE UTILITY ENGINEERING (SUE) PROCESS IS ONGOING AND EXISTING UTILITY DATA WILL BE PROVIDED IN SUBSEQUENT SUBMISSIONS.
7. ROW ACQUISITION, INCLUDING TEMPORARY AND PERMANENT RIGHTS, IS ANTICIPATED.
8. PAVEMENT STRUCTURE SHOWN ON TYPICAL SECTIONS IS ASSUMED BASED ON SIMILAR ROADWAYS. PAVEMENT DESIGN WILL BE DEVELOPED IN SUBSEQUENT SUBMISSIONS.
9. BASELINE NAMING CONVENTION AND STATIONING MAY CHANGE, PENDING DISCUSSIONS WITH VTRANS.
10. SLOPE LIMITS ARE SHOWN BASED ON LIMITED CONCEPTUAL ROADWAY DESIGN AND TO SHOW INTENT OF GRADING AND ARE CONSIDERED APPROXIMATE.
11. RESTORATION DETAILS OF IMPACTED AREAS FOR CONSTRUCTION ACCESS WILL BE DEVELOPED. ALL IMPACTED AREAS WILL BE RESTORED.

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT CITIES OF BURLINGTON AND WINOOSKI COUNTY OF CHITTENDEN

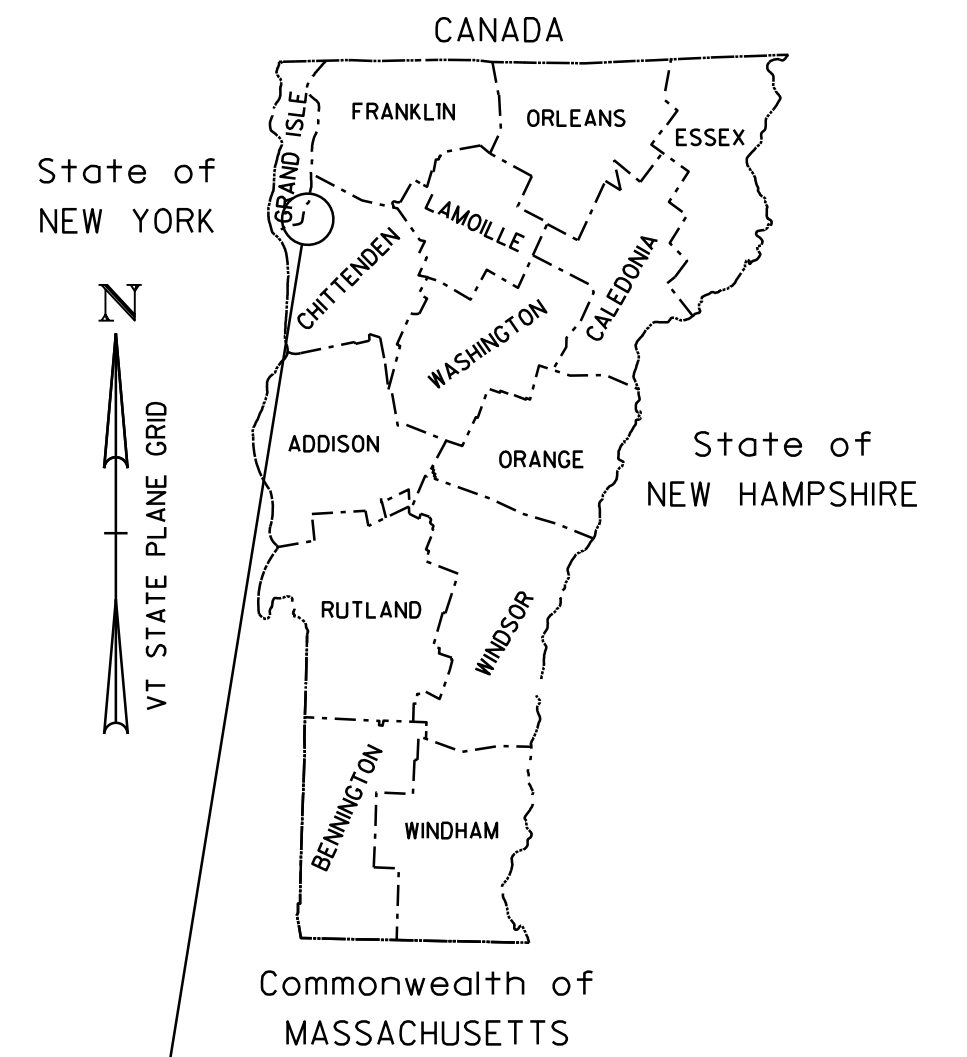
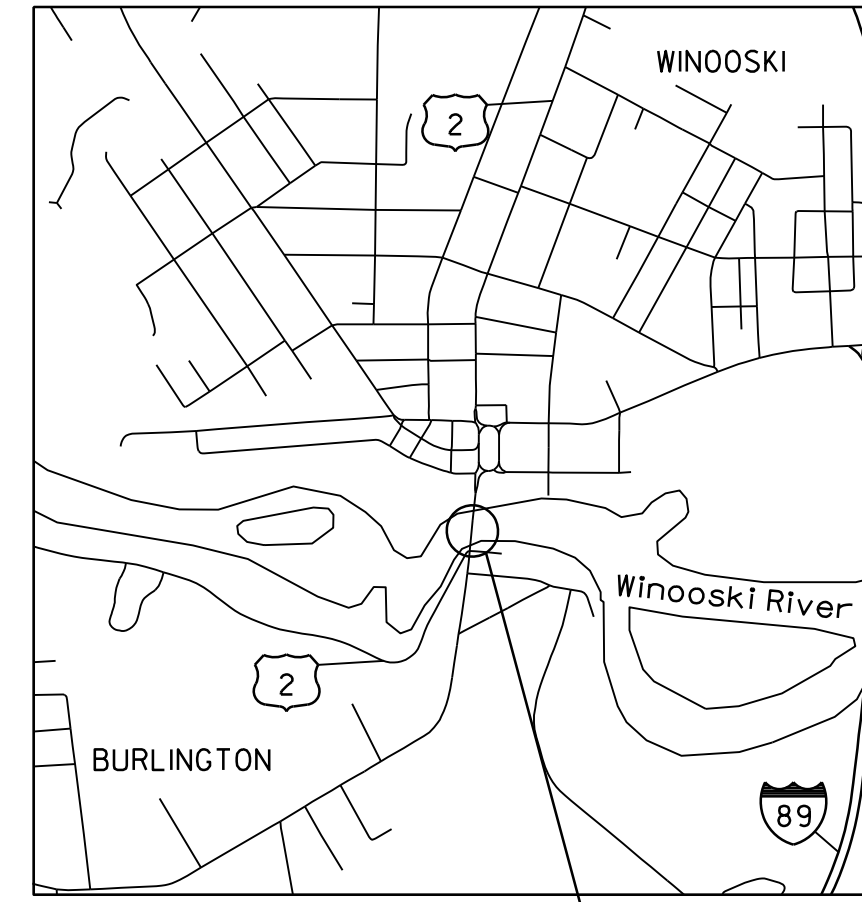
ROUTE NO: COLCHESTER AVE AND MAIN ST (US ROUTE 2/7), PRINCIPAL ARTERIAL, CLASS I TOWN HIGHWAY

BRIDGE NO: 150

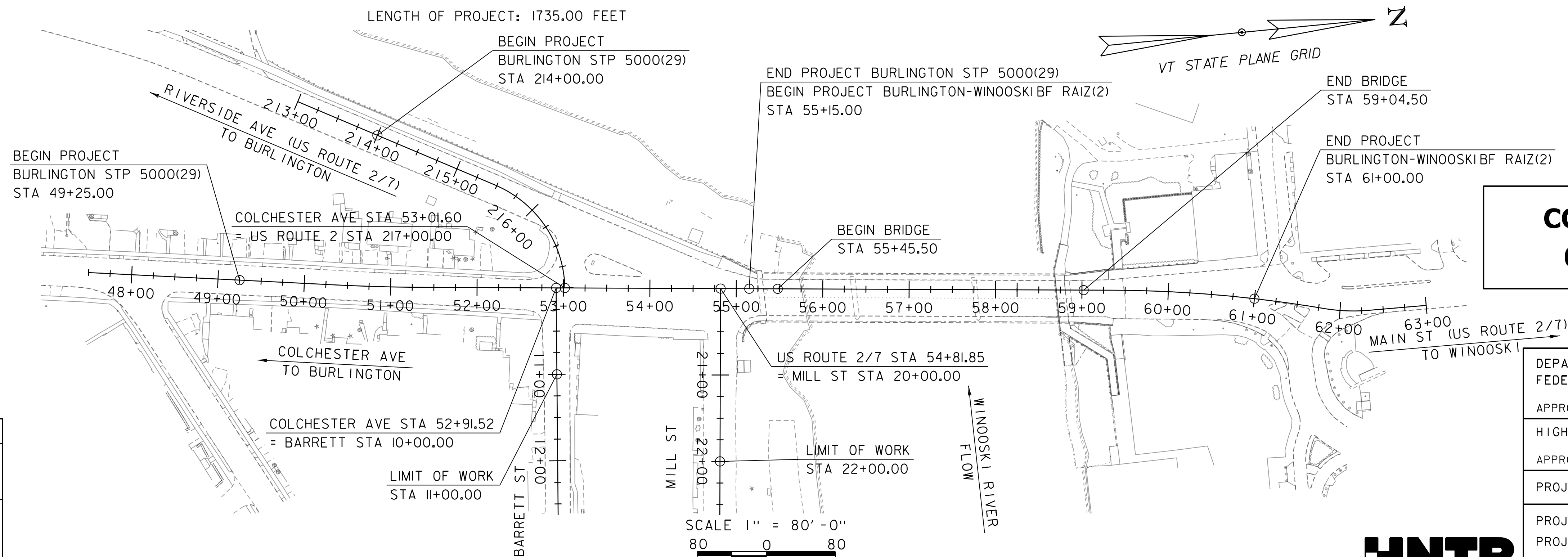
PROJECT LOCATION: LOCATED IN THE COUNTY OF CHITTENDEN, BETWEEN THE CITIES OF BURLINGTON AND WINOOSKI, ON COLCHESTER AVE AND MAIN ST (US ROUTES 2 AND 7) OVER THE WINOOSKI RIVER. THE BRIDGE IS LOCATED APPROXIMATELY 1.2 MILES SOUTH OF THE JUNCTION WITH INTERSTATE 89, EXIT 16.

PROJECT DESCRIPTION: FULL REPLACEMENT OF THE EXISTING BRIDGE WITH ASSOCIATED ROADWAY APPROACH AND CHANNEL WORK.

LENGTH OF STRUCTURE: 359.00 FEET
LENGTH OF ROAD: 1376.00 FEET
LENGTH OF PROJECT: 1735.00 FEET



BURLINGTON-WINOOSKI
BF RAIZ(2)



**CONCEPT PLANS
09-AUG-2023**

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 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 :	JUNE 2023
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (2011)

DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATOR	
APPROVED _____	DATE _____
HIGHWAY DIVISION, CHIEF ENGINEER	
APPROVED _____	DATE _____
PROJECT MANAGER : BOB KLINEFELTER, P.E.	
PROJECT NAME :	BURLINGTON-WINOOSKI
PROJECT NUMBER :	BF RAIZ(2)
SHEET 1 OF 46 SHEETS	



INDEX OF SHEETS

FINAL HYDRAULIC REPORT

PLAN SHEETS

STANDARDS LIST

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TRAFFIC MAINTENANCE NOTES

- 1. MAINTAIN VEHICULAR TRAFFIC ON AN OFF SITE DETOUR DURING BRIDGE DEMOLITION AND SLIDE OPERATIONS. MAINTAIN TWO-WAY TRAFFIC ON EXISTING OTHERWISE.
- 2. PEDESTRIAN TRAFFIC MAINTAINED THROUGH CONSTRUCTION OPERATIONS
- 3. TRAFFIC SIGNALS ARE NOT NECESSARY

DESIGN VALUES

- 1. DESIGN LIVE LOAD HL-93
- 2. FUTURE PAVEMENT d_p : 3.0 INCH
- 3. ABUTMENT BEARING TO BEARING LENGTH (TWO SPANS) L : 350.00 FT (175.00 - 175.00) FT
- 4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS) Δ : ---
- 5. PRESTRESSING STRAND f_y : ---
- 6. PRESTRESSED CONCRETE STRENGTH f'_c : ---
- 7. PRESTRESSED CONCRETE RELEASE STRENGTH f'_{cr} : ---
- 8. HIGH PERFORMANCE CONCRETE, CLASS PCD f'_c : 4.0 KSI
- 9. HIGH PERFORMANCE CONCRETE, CLASS PCS f'_c : 3.5 KSI
- 10. CONCRETE HIGH PERFORMANCE, CLASS SCC f'_c : 4.0 KSI
- 11. CONCRETE, CLASS C f'_c : 3.0 KSI
- 12. REINFORCING STEEL f_y : 60 KSI
- 13. STRUCTURAL STEEL AASHTO M270 (WEATHERING) f_y : 50 KSI

- 14. NOMINAL BEARING RESISTANCE OF SOIL q_n : ---
- 15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD) ϕ : ---
- 16. NOMINAL BEARING RESISTANCE OF ROCK q_n : ---
- 17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD) ϕ : ---

LRFR LOAD RATING FACTORS

LOADING LEVELS	TRUCK						
	H-20	HL-93	3S2	6 AXLE	3A STR.	4A STR.	5A SEMI
TONNAGE	20	36	36	66	30	34.5	38
INVENTORY							
POSTING							
OPERATING							
COMMENTS:							

- 18. PILE RESISTANCE FACTOR ϕ : ---
- 19. LATERAL PILE DEFLECTION Δ : ---
- 20. BASIC WIND SPEED V_{3s} : ---
- 21. MINIMUM GROUND SNOWLOAD p_g : ---
- 22. SEISMIC DATA PGA : --- S_s : --- S_f : ---
- 23. _____
- 24. _____
- 25. _____
- 26. _____

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2022	20437	2077	57	2.2	592
2042	22133	2249	57	2.2	641

20 year ESAL for flexible pavement from 2022 to 2042 : 0
 40 year ESAL for flexible pavement from 2022 to 2062 : 0
 Design Speed : 25 mph

AS BUILT "REBAR" DETAIL

LEVEL I	LEVEL II	LEVEL III
TYPE:	TYPE:	TYPE:
GRADE:	GRADE:	GRADE:

PROJECT NAME: **BURLINGTON-WINOOSKI**

PROJECT NUMBER: **BF RAIZ(2)**

FILE NAME: **z22j351pi.dgn**

PROJECT LEADER: **J. OLUND**

DESIGNED BY: **T. POULIN**

PRELIMINARY INFORMATION SHEET

PLOT DATE: 3/4/2023

DRAWN BY: **T. POULIN**

CHECKED BY: **S. SPEAR**

SHEET 2 OF 46

GENERAL INFORMATION

SYMBOLGY LEGEND NOTE

THE SYMBOLGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLGY. THE SYMBOLGY 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. SYMBOLGY ON PLANS MAY VARY, PLAN ANNOTATIONS AND NOTES SHOULD BE USED TO CLARIFY AS NEEDED.

WATER SYSTEM SYMBOLS

POINT	DESCRIPTION
	BEND
	TEE
	CAP/PLUG
	REDUCER

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 SYMBOLGY

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 SYMBOLGY

PROJECT DESIGN & LAYOUT SYMBOLGY

	CZ	CLEAR ZONE
		PLAN LAYOUT MATCHLINE

PROJECT CONSTRUCTION FEATURES

		TOP OF CUT SLOPE
		TOE OF FILL SLOPE
		STONE FILL
		BOTTOM OF DITCH
		CULVERT PROPOSED
		STRUCTURE SUBSURFACE
	PDF	PROJECT DEMARCATION FENCE
	BF	BARRIER FENCE
		TREE PROTECTION ZONE (TPZ)
		STRIPING LINE REMOVAL
		SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLGY

BOUNDARY LINES

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

EPSC LAYOUT PLAN SYMBOLGY

EPSC MEASURES

	ONNNOONNNOONNO	FILTER CURTAIN
		SILT FENCE
		SILT FENCE WOVEN WIRE
		CHECK DAM
		DISTURBED AREAS REQUIRING RE-VEGETATION
		EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLGY

ENVIRONMENTAL RESOURCES

		WETLAND BOUNDARY
		RIPARIAN BUFFER ZONE
		WETLAND BUFFER ZONE
		SOIL TYPE BOUNDARY
	T&E	THREATENED & ENDANGERED SPECIES
	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 SYMBOLGY

EXISTING FEATURES

		ROAD EDGE PAVEMENT
		ROAD EDGE GRAVEL
		DRIVEWAY EDGE
		DITCH
		FOUNDATION
	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
		LEDGER EXPOSED

PROJECT NAME: BURLINGTON-WINOOSKI
PROJECT NUMBER: BF RAIZ(2)

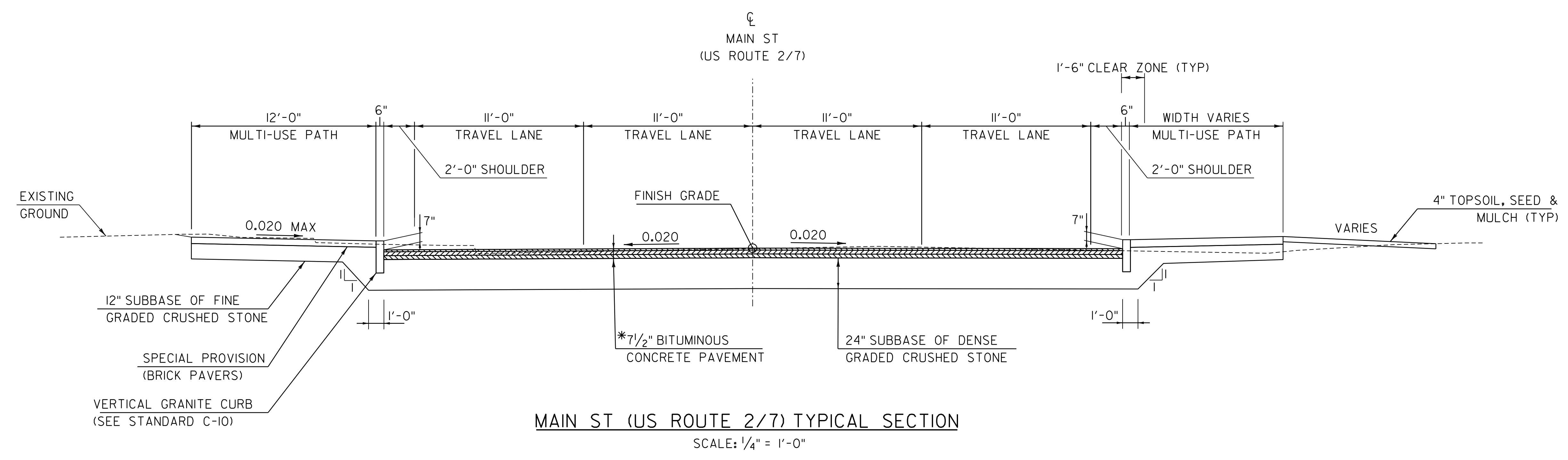
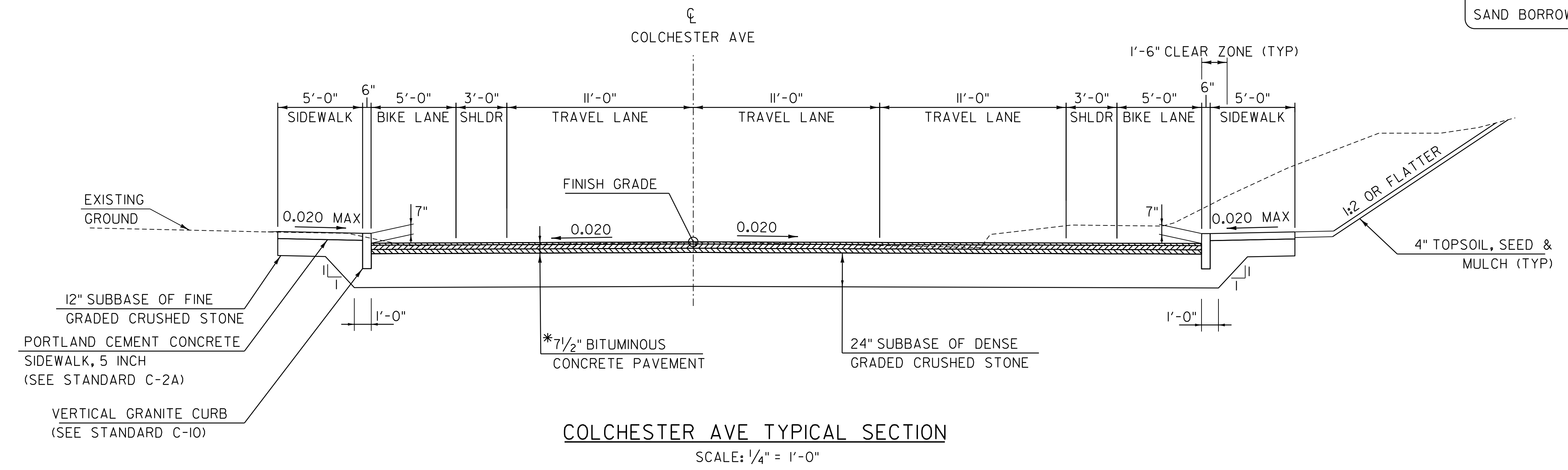
FILE NAME: z33j35legend.dgn PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND DRAWN BY: T. POULIN
DESIGNED BY: T. POULIN CHECKED BY: H. WALTON
SYMBOLGY LEGEND SHEET SHEET 3 OF 46



MATERIAL TOLERANCES
(IF USED ON PROJECT)

SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 1/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

* 1/2" TYPE IVB OVER
3" TYPE IVB OVER
3" TYPE IIS
(PG 70-28) (N=65 GYRATIONS)

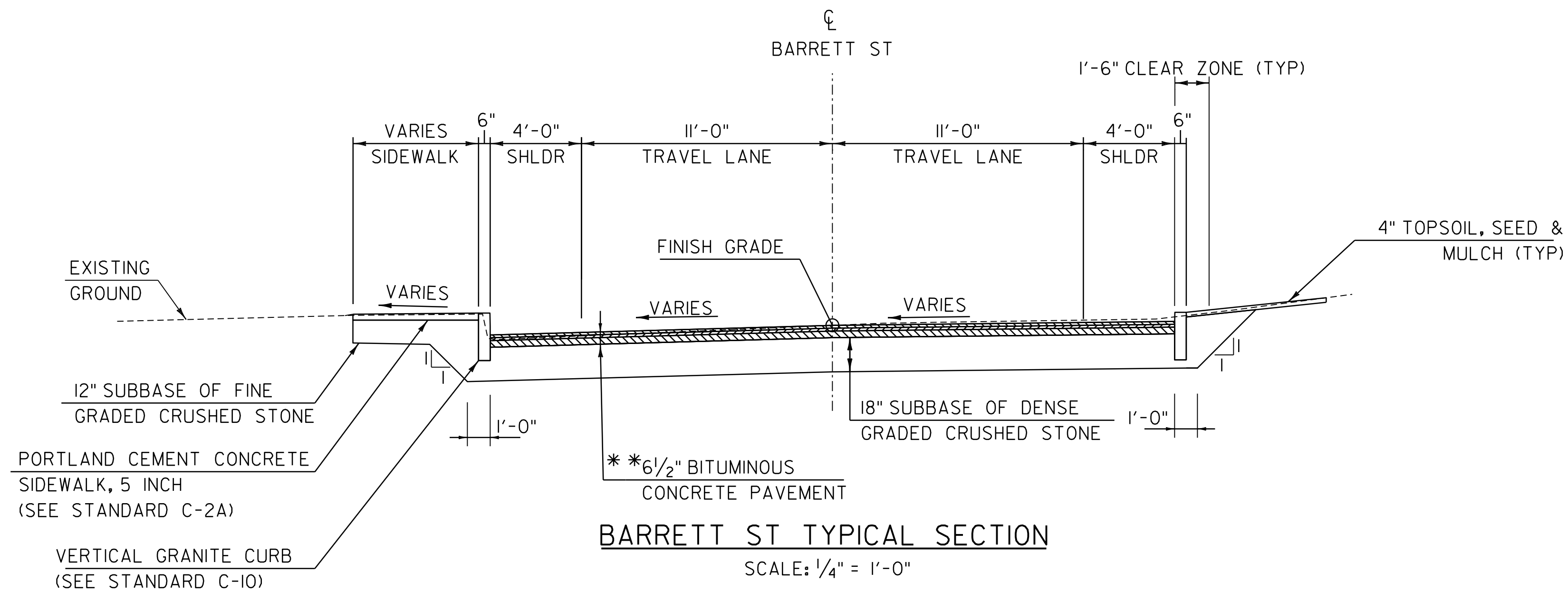
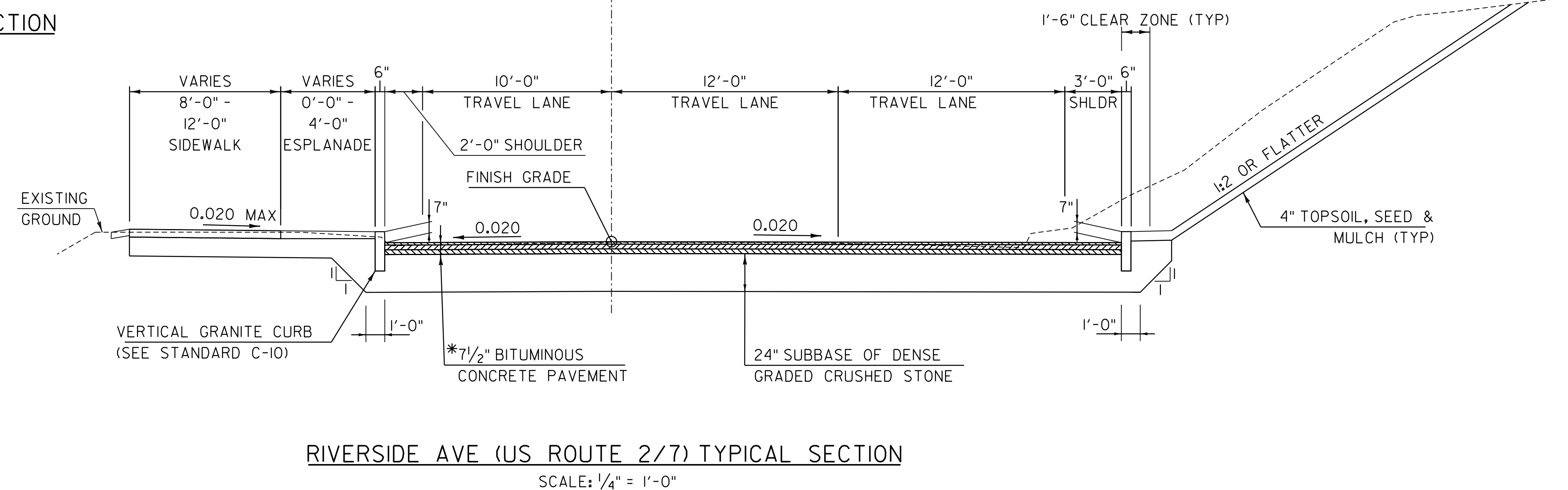
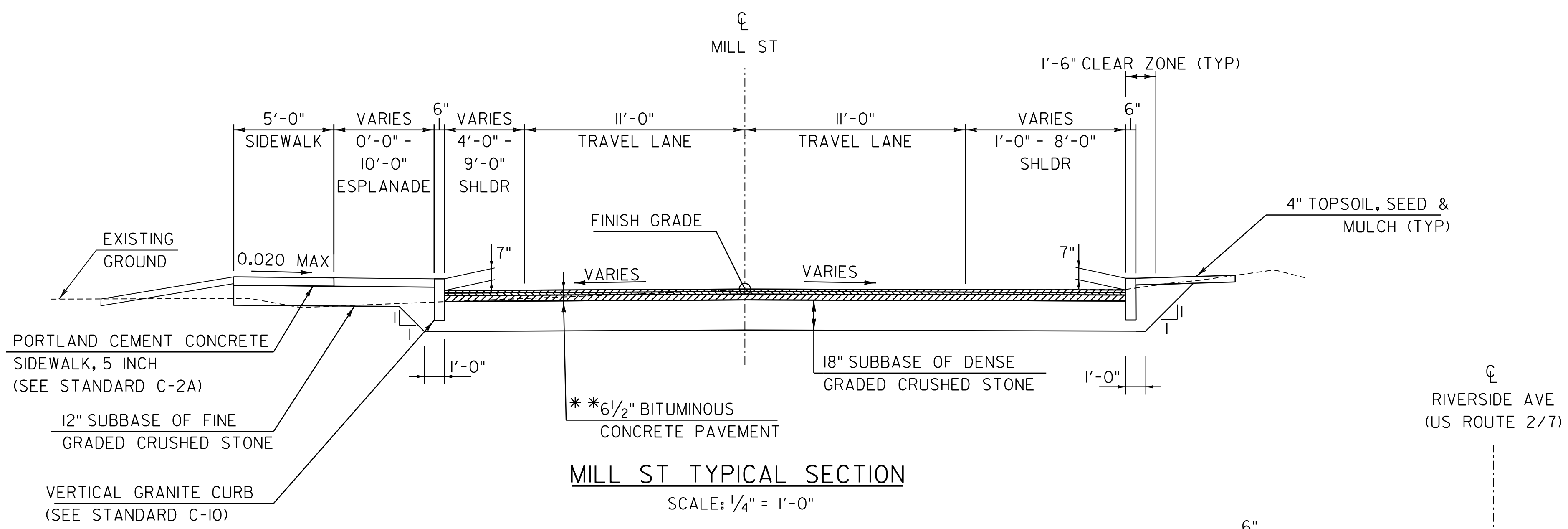


PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j351+typ.dgn
PROJECT LEADER:	J. OLUND
DESIGNED BY:	C. TOBIN
TYPICAL SECTIONS I	
PLOT DATE:	9-AUG-2023
DRAWN BY:	C. TOBIN
CHECKED BY:	S. SPEAR
SHEET	4 OF 46



* 1/2" TYPE IVB OVER
 3" TYPE IVB OVER
 3" TYPE IIS
 (PG 70-28) (N=65 GYRATIONS)

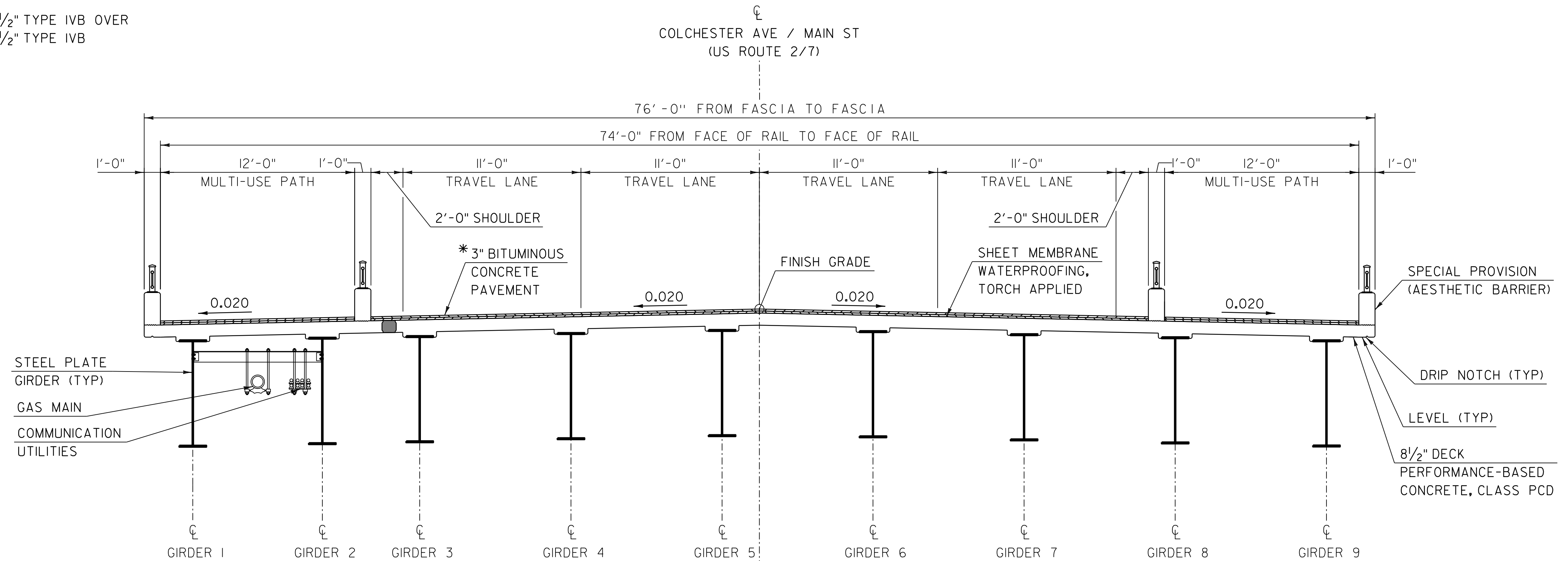
** 1/2" TYPE IVB OVER
 1/2" TYPE IVB OVER
 3 1/2" TYPE IIS
 (PG 70-28) (N=65 GYRATIONS)



PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35i+yp.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: C. TOBIN
DESIGNED BY: C. TOBIN	CHECKED BY: S. SPEAR
TYPICAL SECTIONS 2	SHEET 5 OF 46



*1/2" TYPE IVB OVER
1/2" TYPE IVB



BRIDGE TYPICAL SECTION

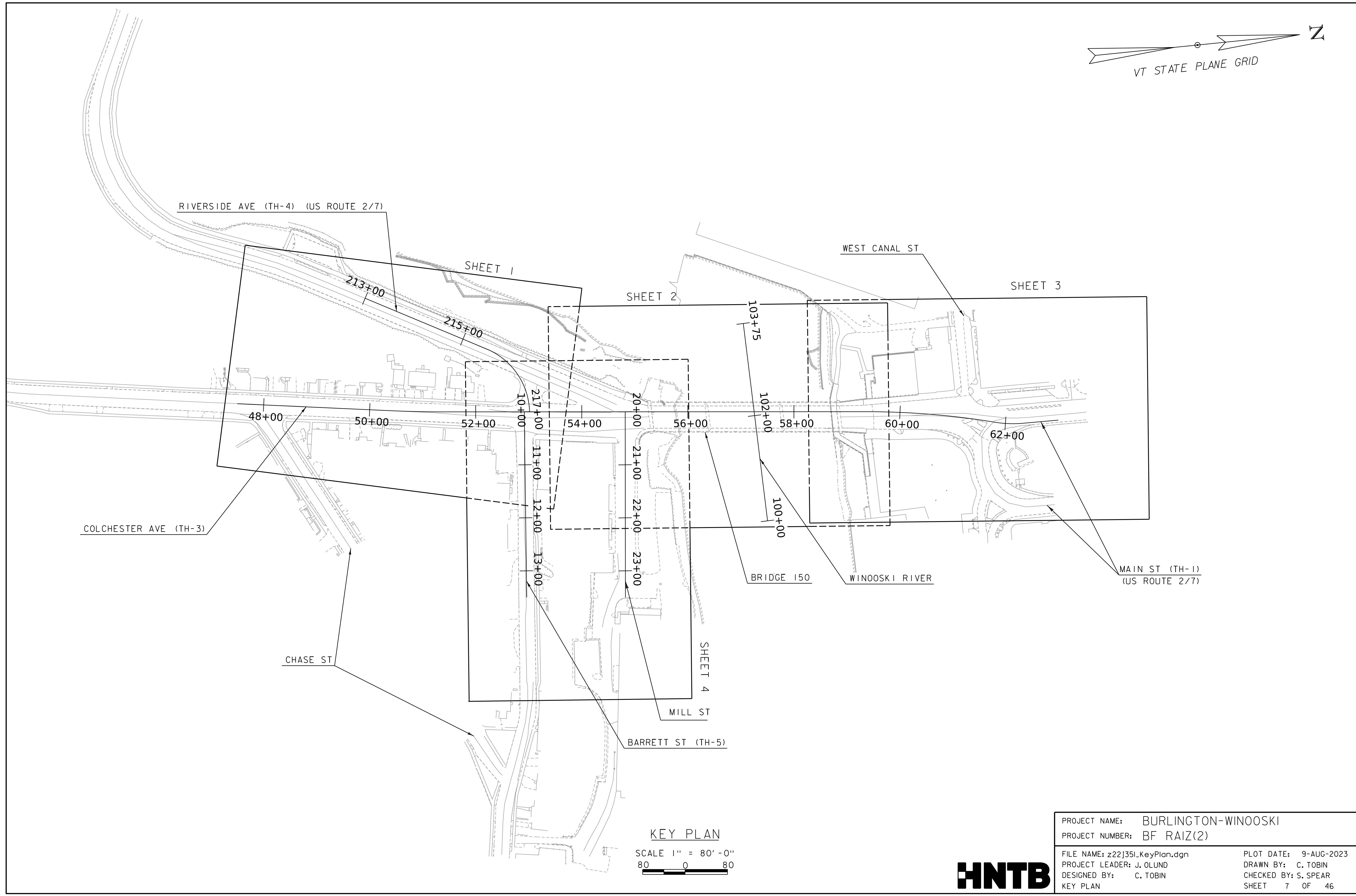
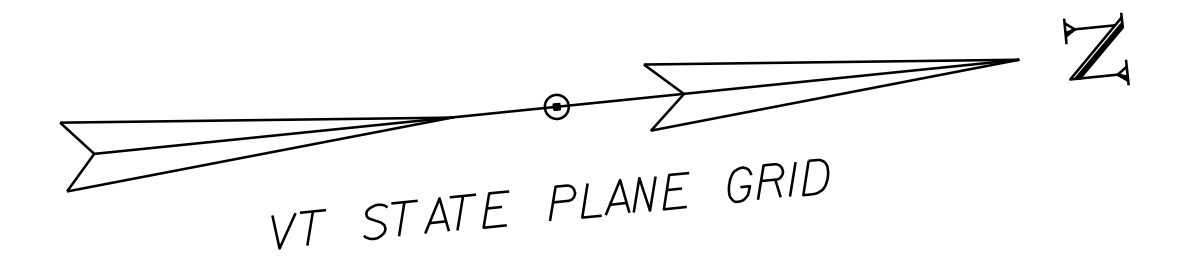
SCALE: 1/4" = 1'-0"

PROJECT NAME: BURLINGTON-WINOOSKI
PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j351+typ.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: T. POULIN
TYPICAL SECTIONS 3

PLOT DATE: 9-AUG-2023
DRAWN BY: K. BELISLE
CHECKED BY: H. WALTON
SHEET 6 OF 46



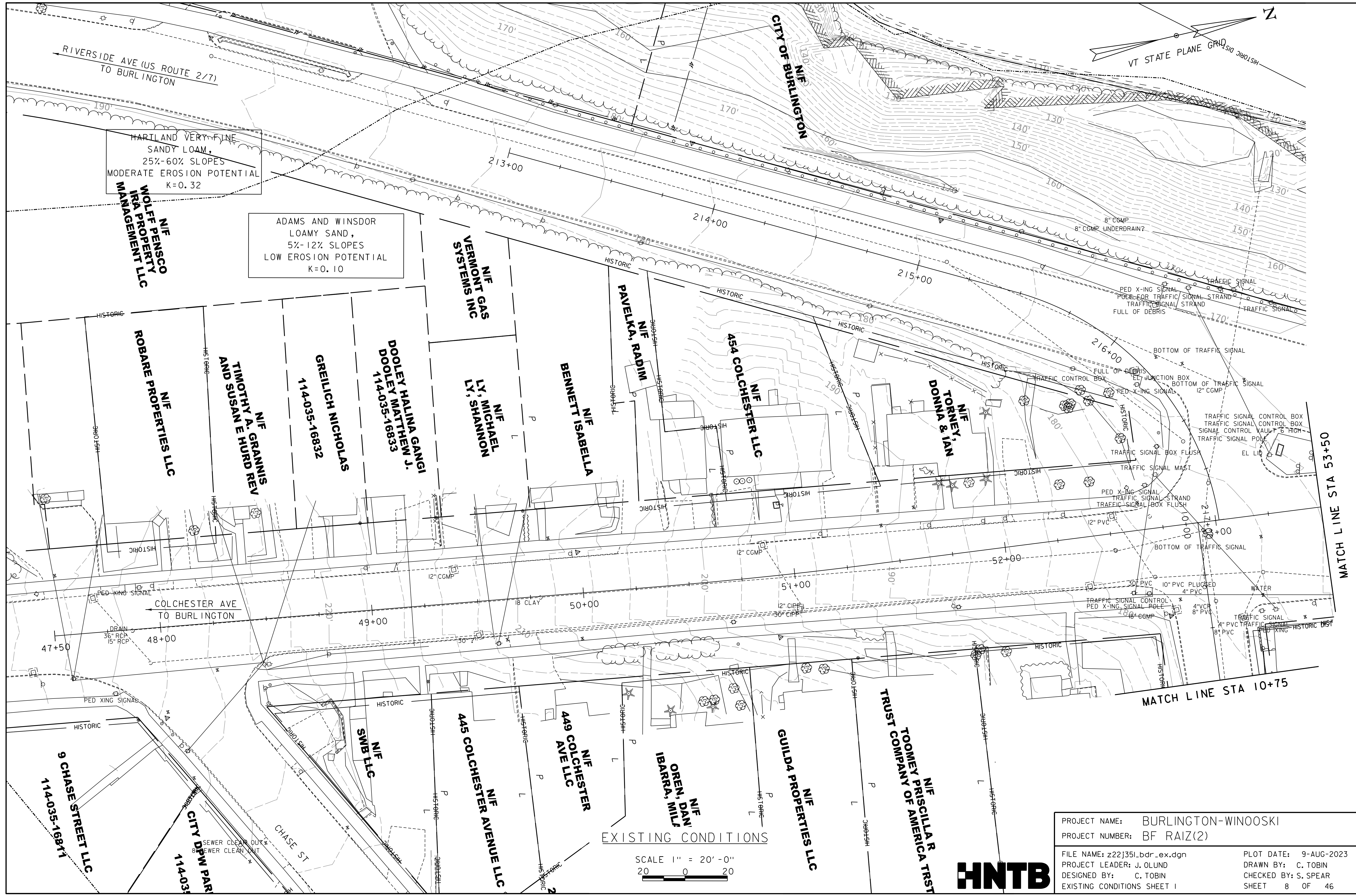
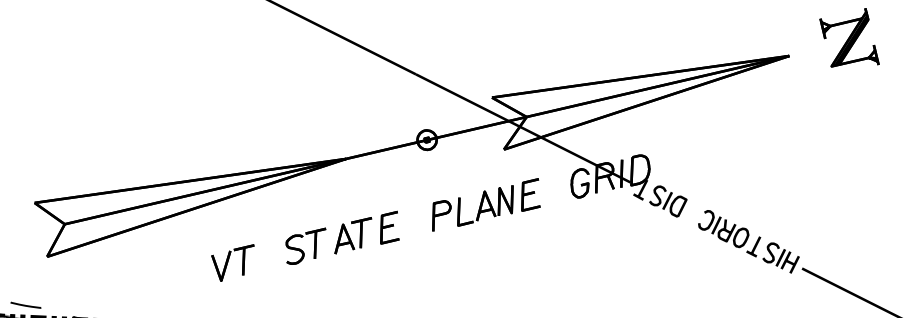


KEY PLAN

SCALE 1" = 80' - 0"
 80 0 80

PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35l.KeyPlan.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: C. TOBIN
DESIGNED BY: C. TOBIN	CHECKED BY: S. SPEAR
KEY PLAN	SHEET 7 OF 46





HARTLAND VERY FINE SANDY LOAM, 25%-60% SLOPES MODERATE EROSION POTENTIAL K=0.32

ADAMS AND WINDSOR LOAMY SAND, 5%-12% SLOPES LOW EROSION POTENTIAL K=0.10

NIF WOLFE PENSCO IRA PROPERTY MANAGEMENT LLC

NIF ROBARE PROPERTIES LLC

NIF TIMOTHY A. GRANNIS AND SUSAN E. HURD REV

NIF GRELLICH NICHOLAS 114-035-16832

NIF DOOLEY HALINA GANGI DOOLEY MATTHEW J. 114-035-16833

NIF LY, MICHAEL LY, SHANNON

NIF BENNETT ISABELLA

NIF PAVELKA, RADIN

NIF 454 COLCHESTER LLC

NIF TORNEY, DONNA & IAN

NIF VERMONT GAS SYSTEMS INC

COLCHESTER AVE TO BURLINGTON 47+50 48+00 49+00

9 CHASE STREET LLC 114-035-16811

CITY DPW PAR 114-035-16811

NIF SWB LLC

NIF 445 COLCHESTER AVENUE LLC

NIF 449 COLCHESTER AVE LLC

NIF OREN, DAN IBARRA, MILL

NIF GULDA PROPERTIES LLC

NIF TRUST COMPANY OF AMERICA TRST TOOMEY PRISCILLA R

EXISTING CONDITIONS

SCALE 1" = 20'-0" 20 0 20

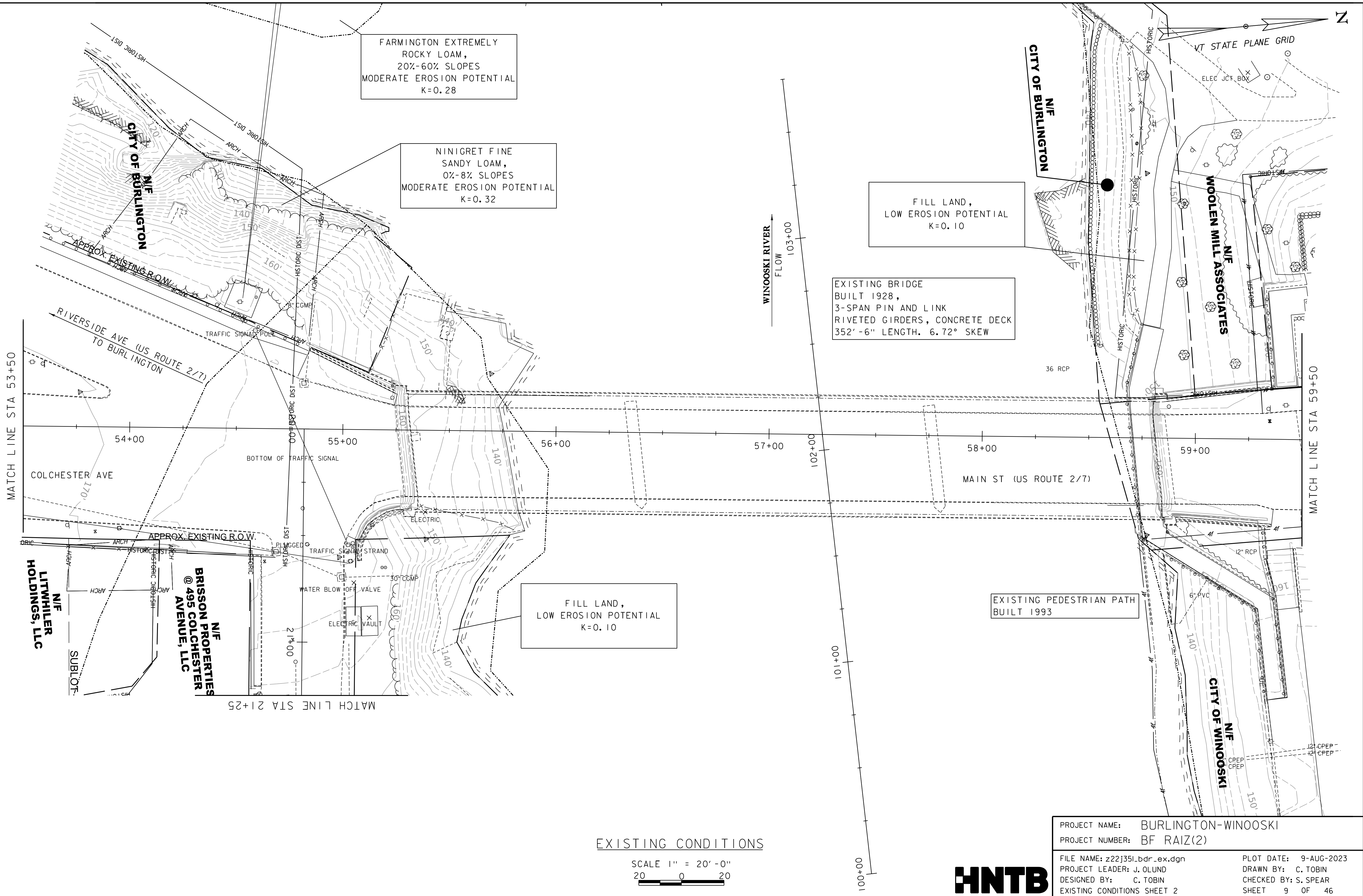
PROJECT NAME: BURLINGTON-WINOOSKI PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35l_bdr_ex.dgn PLOT DATE: 9-AUG-2023 PROJECT LEADER: J. OLUND DRAWN BY: C. TOBIN DESIGNED BY: C. TOBIN CHECKED BY: S. SPEAR EXISTING CONDITIONS SHEET 1 SHEET 8 OF 46



MATCH LINE STA 53+50

MATCH LINE STA 10+75



FARMINGTON EXTREMELY
ROCKY LOAM,
20%-60% SLOPES
MODERATE EROSION POTENTIAL
K=0.28

NINIGRET FINE
SANDY LOAM,
0%-8% SLOPES
MODERATE EROSION POTENTIAL
K=0.32

FILL LAND,
LOW EROSION POTENTIAL
K=0.10

EXISTING BRIDGE
BUILT 1928,
3-SPAN PIN AND LINK
RIVETED GIRDERS, CONCRETE DECK
352'-6" LENGTH, 6.72° SKEW

FILL LAND,
LOW EROSION POTENTIAL
K=0.10

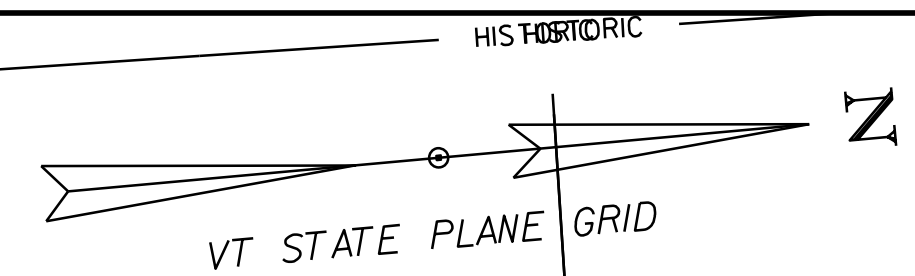
EXISTING PEDESTRIAN PATH
BUILT 1993

EXISTING CONDITIONS

SCALE 1" = 20'-0"
20 0 20



PROJECT NAME:	BURLINGTON-WINOOSKI	PLOT DATE:	9-AUG-2023
PROJECT NUMBER:	BF RAIZ(2)	DRAWN BY:	C. TOBIN
FILE NAME:	z22j35l_bdr_ex.dgn	CHECKED BY:	S. SPEAR
PROJECT LEADER:	J. OLUND	EXISTING CONDITIONS SHEET 2	SHEET 9 OF 46
DESIGNED BY:	C. TOBIN		



FILL LAND,
LOW EROSION POTENTIAL
K=0.10

ADAMS AND WINSOR
LOAMY SAND,
12%-30% SLOPES
LOW EROSION POTENTIAL
K=0.10

AGAWAM FINE
SANDY LOAM,
0%-8% SLOPES
LOW EROSION POTENTIAL
K=0.20

MATCH LINE STA 59+50

MAIN ST (US ROUTE 2/7)

60+00

61+00

62+00

63+00

CITY OF WINOOSKI
N/F

N/F
8 MAIN LLC

N/F
JFL LLC

N/F
FARRELL VERMONT LLC

N/F
28 MAIN STREET
WINOOSKI LLC

N/F
30 MAIN STREET
WINOOSKI LLC

N/F
SISTERS AND BROTHERS
INVESTMENT GROUP LLC

N/F
WINOOSKI HOTEL
GROUP LLC

CITY OF WINOOSKI
N/F

EXISTING CONDITIONS

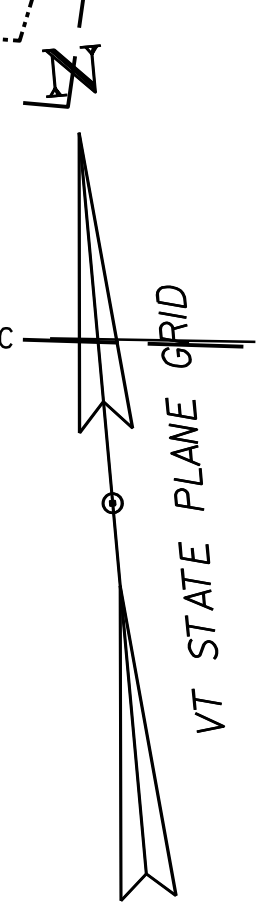
SCALE 1" = 20' - 0"
0 20

PROJECT NAME: BURLINGTON-WINOOSKI
PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35l_bdr_ex.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: C. TOBIN
EXISTING CONDITIONS SHEET 3

PLOT DATE: 9-AUG-2023
DRAWN BY: C. TOBIN
CHECKED BY: S. SPEAR
SHEET 10 OF 46





FILL LAND,
LOW EROSION POTENTIAL
K=0.10

N/F
CHASE MILL PARKING LLC

N/F
CATAMOUNT HOLDING CO.

MATCH LINE STA 21+25

MILL ST

22+00

23+00

23+60

N/F
GREGG N. BLADEL & JENNIFER A. KOCH REVOCABLE TRUST

N/F
WELLS, MICHAEL J.

N/F
HILLER, PETER & ELYCE S.

N/F
LITWHILER HOLDINGS, LLC

N/F
CATAMOUNT HOLDING CO.

MATCH LINE STA 10+75

11+00

12+00

13+00

13+50

BARRETT ST

ADAMS AND WINSOR
LOAMY SANDS,
5%-12% SLOPES
LOW EROSION POTENTIAL
K=0.10

N/F
**BELIVEAU, LEO
BELIVEAU, DONNA**

**SOUTIERE, CLEMENT W
SOUTIERE, JUDY M**

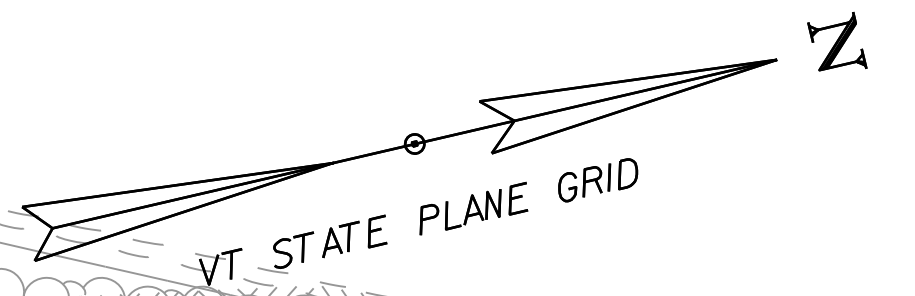
**BOURNE RENE P
BOURNE SHARON
114-035-14207**

EXISTING CONDITIONS

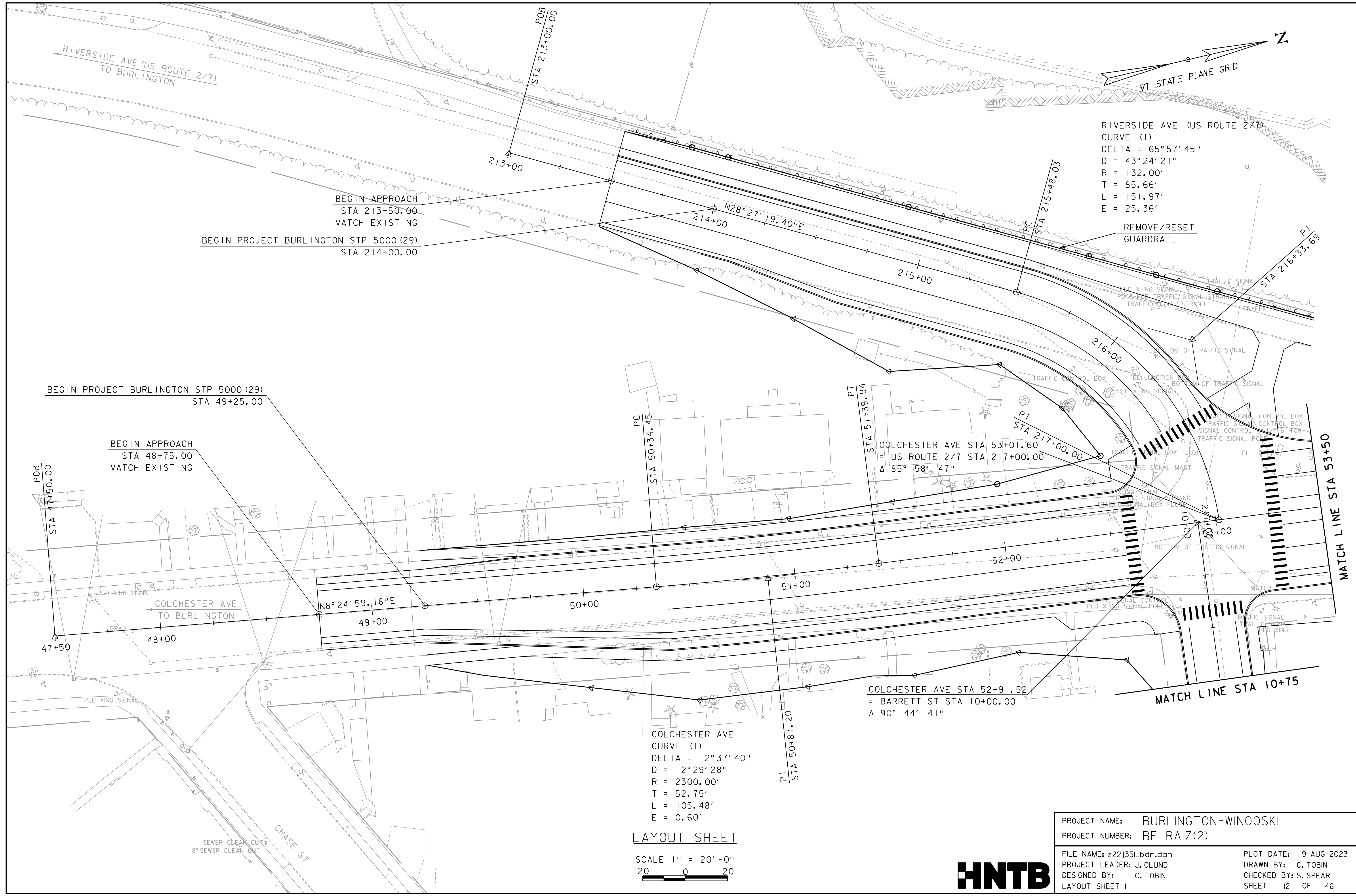
SCALE 1" = 20'-0"
0 20



PROJECT NAME:	BURLINGTON-WINOOSKI	PLOT DATE:	9-AUG-2023
PROJECT NUMBER:	BF RAIZ(2)	DRAWN BY:	C. TOBIN
FILE NAME:	z22j35l_bdr_ex.dgn	CHECKED BY:	S. SPEAR
PROJECT LEADER:	J. OLUND	EXISTING CONDITIONS SHEET	4
DESIGNED BY:	C. TOBIN	SHEET	11 OF 46



RIVERSIDE AVE (US ROUTE 2/7)
 CURVE (1)
 DELTA = 65°57' 45"
 D = 43°24' 21"
 R = 132.00'
 T = 85.66'
 L = 151.97'
 E = 25.36'



BEGIN APPROACH
 STA 213+50.00
 MATCH EXISTING
 BEGIN PROJECT BURLINGTON STP 5000 (29)
 STA 214+00.00

BEGIN PROJECT BURLINGTON STP 5000 (29)
 STA 49+25.00

BEGIN APPROACH
 STA 48+75.00
 MATCH EXISTING

COLCHESTER AVE STA 53+01.60
 = US ROUTE 2/7 STA 217+00.00
 Δ 85° 58' 47"

COLCHESTER AVE
 CURVE (1)
 DELTA = 2°37' 40"
 D = 2°29' 28"
 R = 2300.00'
 T = 52.75'
 L = 105.48'
 E = 0.60'

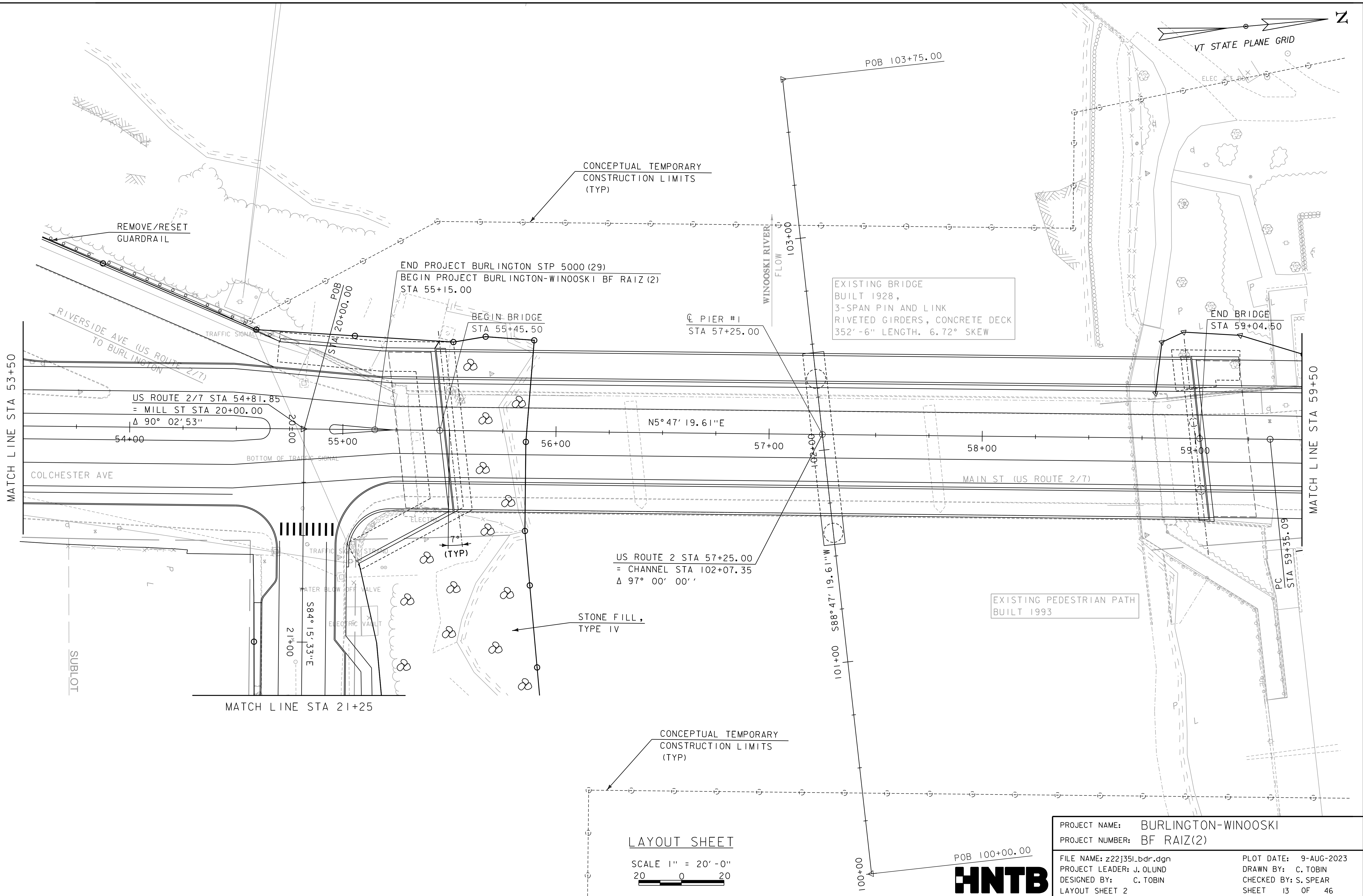
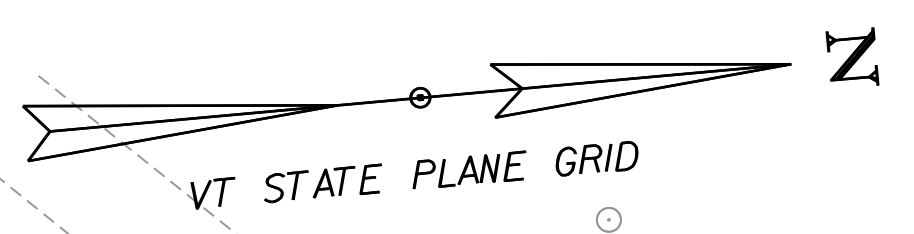
COLCHESTER AVE STA 52+91.52
 = BARRETT ST STA 10+00.00
 Δ 90° 44' 41"

LAYOUT SHEET

SCALE 1" = 20' - 0"
 20 0 20

PROJECT NAME:	BURLINGTON-WINOOSKI	FILE NAME:	z22j35l.bdr.dgn	PLOT DATE:	9-AUG-2023
PROJECT NUMBER:	BF RAIZ(2)	PROJECT LEADER:	J. OLUND	DRAWN BY:	C. TOBIN
		DESIGNED BY:	C. TOBIN	CHECKED BY:	S. SPEAR
		LAYOUT SHEET 1		SHEET	12 OF 46





MATCH LINE STA 53+50

MATCH LINE STA 59+50

MATCH LINE STA 21+25

LAYOUT SHEET

SCALE 1" = 20'-0"
20 0 20

PROJECT NAME:	BURLINGTON-WINOOSKI	PLOT DATE:	9-AUG-2023
PROJECT NUMBER:	BF RAIZ(2)	DRAWN BY:	C. TOBIN
FILE NAME:	z22j35l.bdr.dgn	CHECKED BY:	S. SPEAR
PROJECT LEADER:	J. OLUND	SHEET	13 OF 46
DESIGNED BY:	C. TOBIN	LAYOUT SHEET	2



POB 103+75.00

WINOOSKI RIVER
FLOW 103+00

EXISTING BRIDGE
BUILT 1928,
3-SPAN PIN AND LINK
RIVETED GIRDERS, CONCRETE DECK
352'-6" LENGTH, 6.72° SKEW

END BRIDGE
STA 59+04.50

PIER #1
STA 57+25.00

BEGIN BRIDGE
STA 55+45.50

END PROJECT BURLINGTON STP 5000 (29)
BEGIN PROJECT BURLINGTON-WINOOSKI BF RAIZ (2)
STA 55+15.00

REMOVE/RESET
GUARDRAIL

RIVERSIDE AVE (US ROUTE 2/7)
TO BURLINGTON

US ROUTE 2/7 STA 54+81.85
= MILL ST STA 20+00.00
 $\Delta 90^\circ 02' 53''$

COLCHESTER AVE

MAIN ST (US ROUTE 2/7)

US ROUTE 2 STA 57+25.00
= CHANNEL STA 102+07.35
 $\Delta 97^\circ 00' 00''$

STONE FILL,
TYPE IV

EXISTING PEDESTRIAN PATH
BUILT 1993

S84° 15' 33" E
21+00

S88° 47' 19.61" W
101+00

PC STA 59+35.09

SUBLOT

BOTTOM OF TRAFFIC SIGNAL

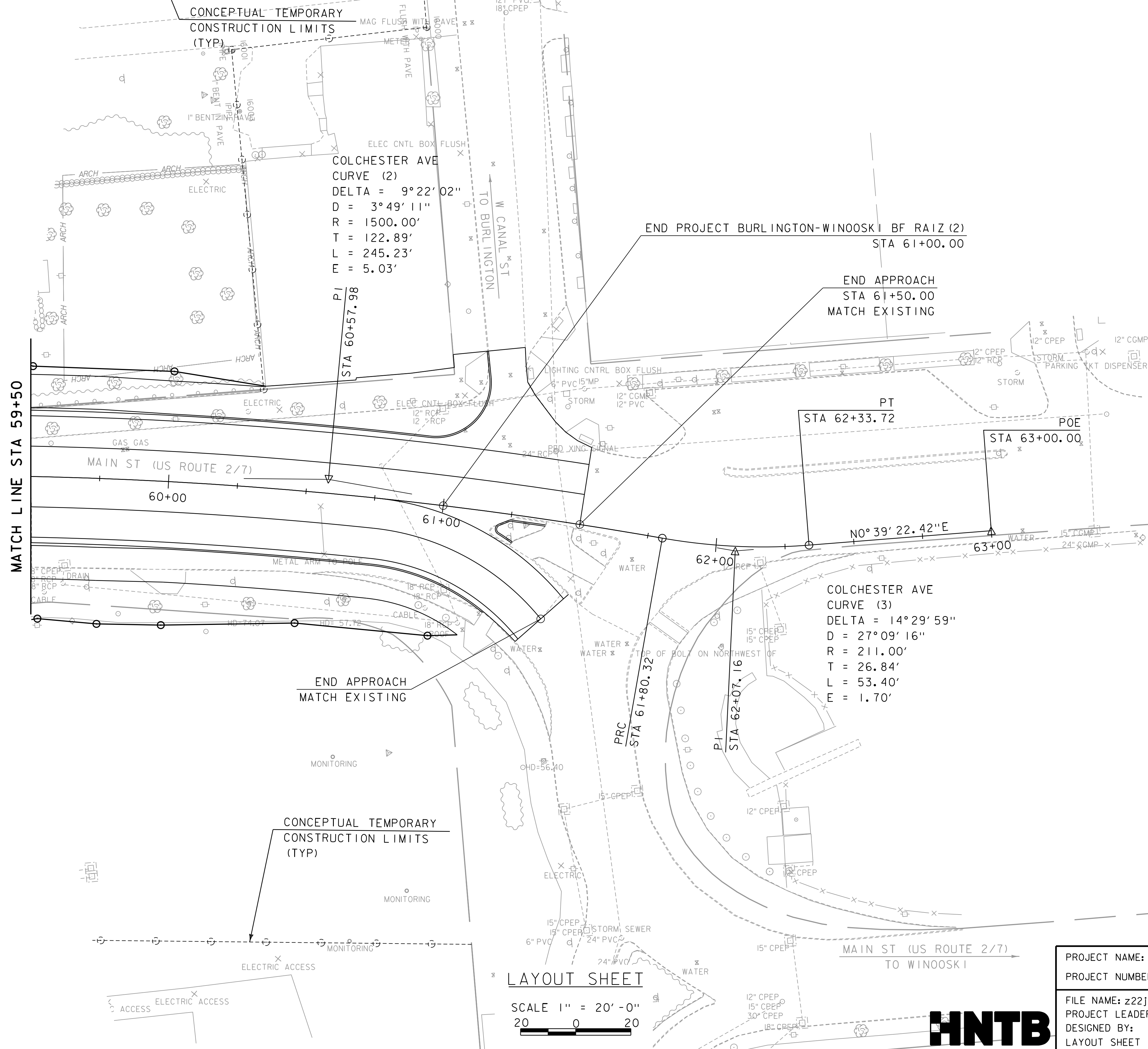
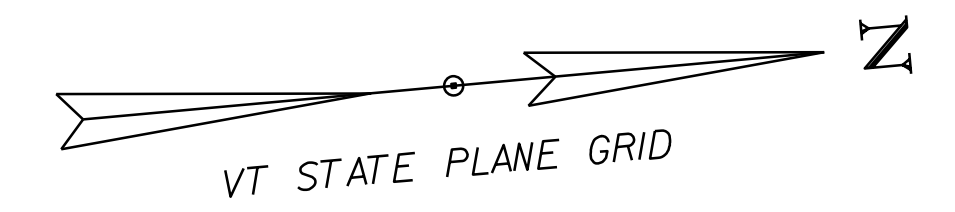
WATER BLOW OFF VALVE

ELECTRIC VAULT

ELECTRIC

TRAFFIC SIGNAL STRAND

7' (TYP)



COLCHESTER AVE
 CURVE (2)
 DELTA = 9°22'02"
 D = 3°49'11"
 R = 1500.00'
 T = 122.89'
 L = 245.23'
 E = 5.03'

PT
 STA 62+33.72

POE
 STA 63+00.00

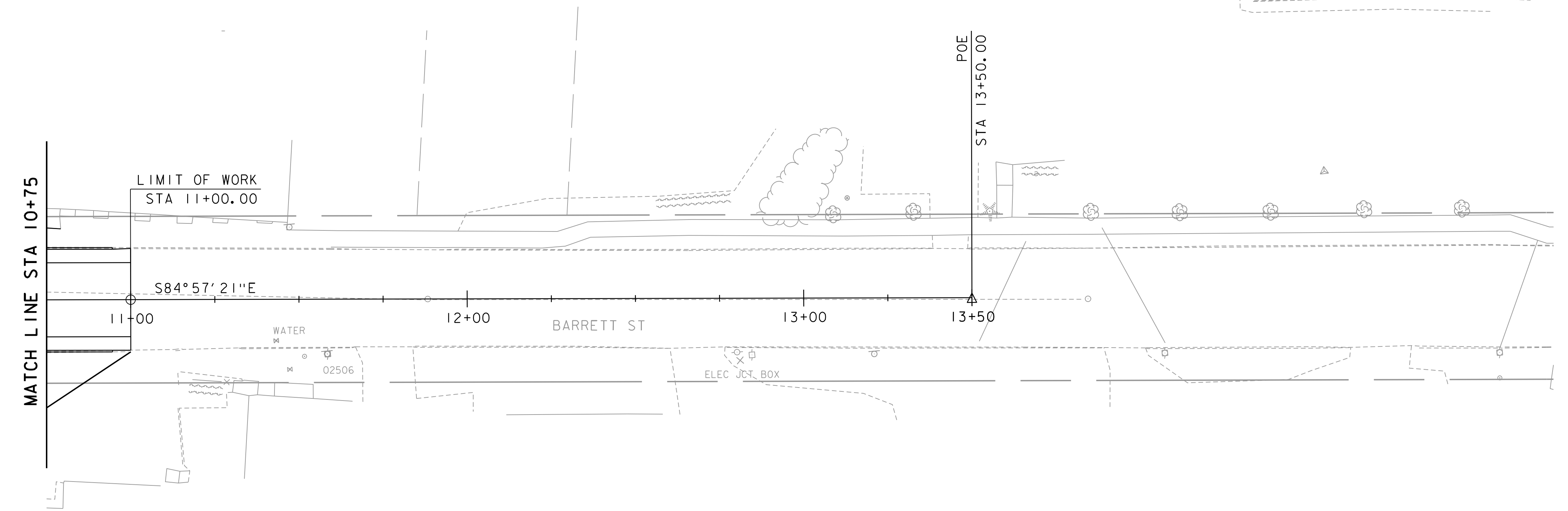
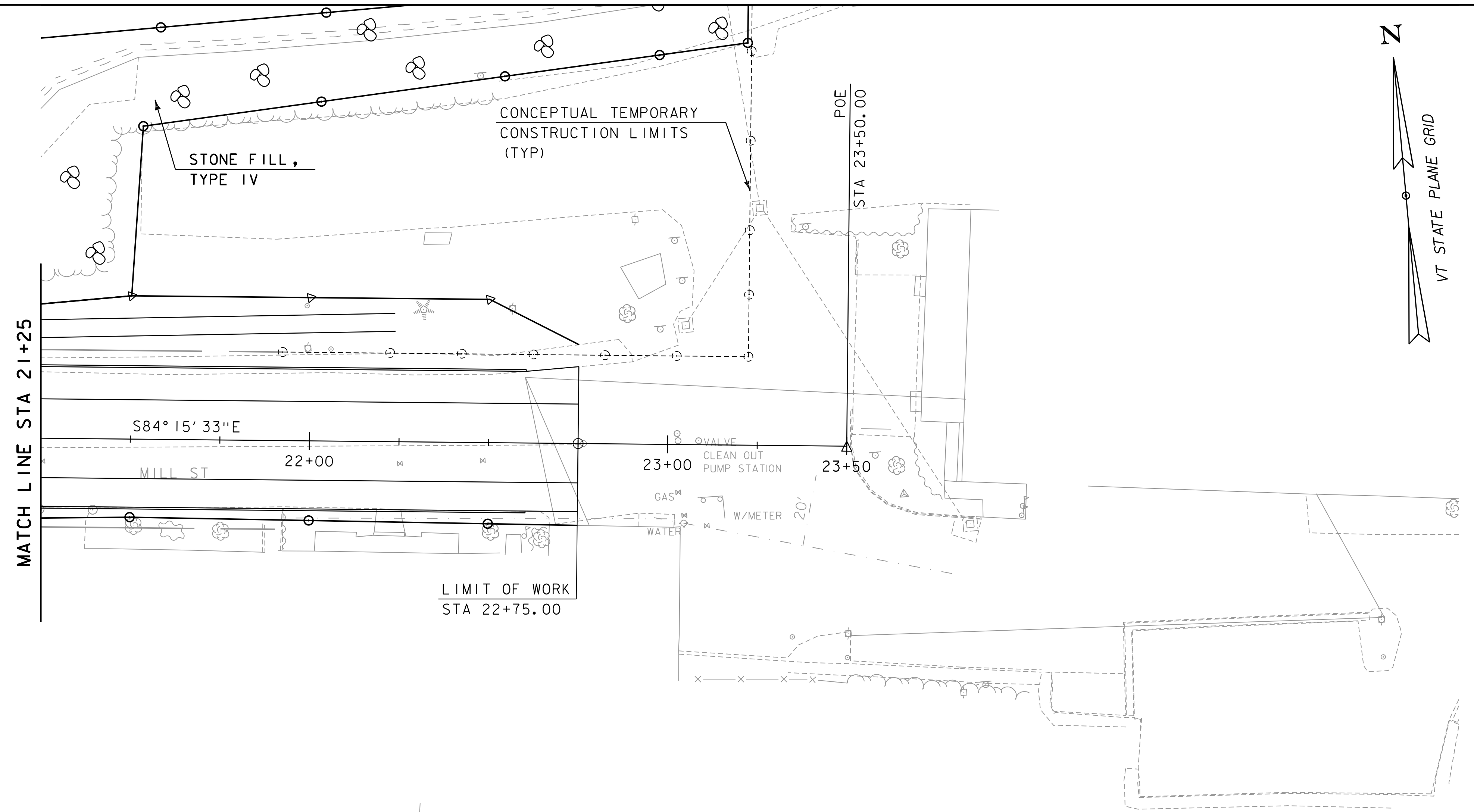
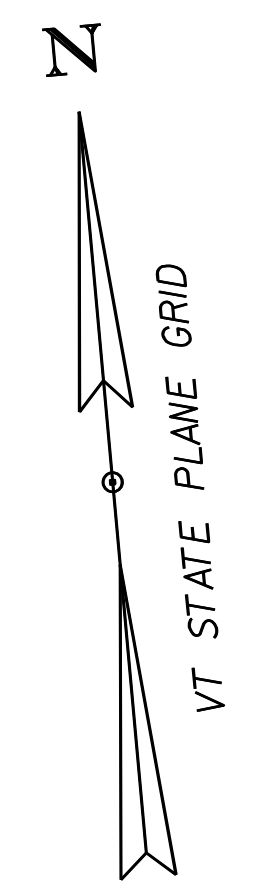
COLCHESTER AVE
 CURVE (3)
 DELTA = 14°29'59"
 D = 27°09'16"
 R = 211.00'
 T = 26.84'
 L = 53.40'
 E = 1.70'

LAYOUT SHEET

SCALE 1" = 20'-0"
 20 0 20



PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35l.bdr.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: C. TOBIN
DESIGNED BY: C. TOBIN	CHECKED BY: S. SPEAR
LAYOUT SHEET 3	SHEET 14 OF 46

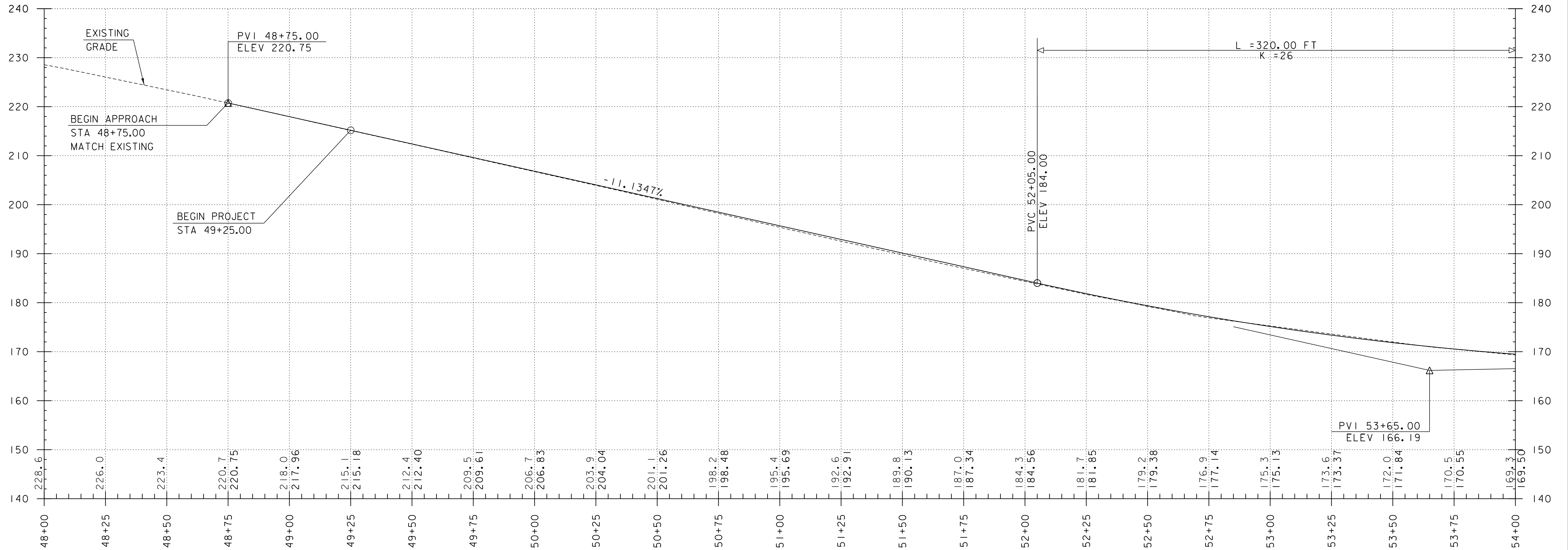


LAYOUT SHEET

SCALE 1" = 20' - 0"
 20 0 20



PROJECT NAME:	BURLINGTON-WINOOSKI	PLOT DATE:	9-AUG-2023
PROJECT NUMBER:	BF RAIZ(2)	DRAWN BY:	C. TOBIN
FILE NAME:	z22j35l.bdr.dgn	CHECKED BY:	S. SPEAR
PROJECT LEADER:	J. OLUND	SHEET	15 OF 46
DESIGNED BY:	C. TOBIN	LAYOUT SHEET	4



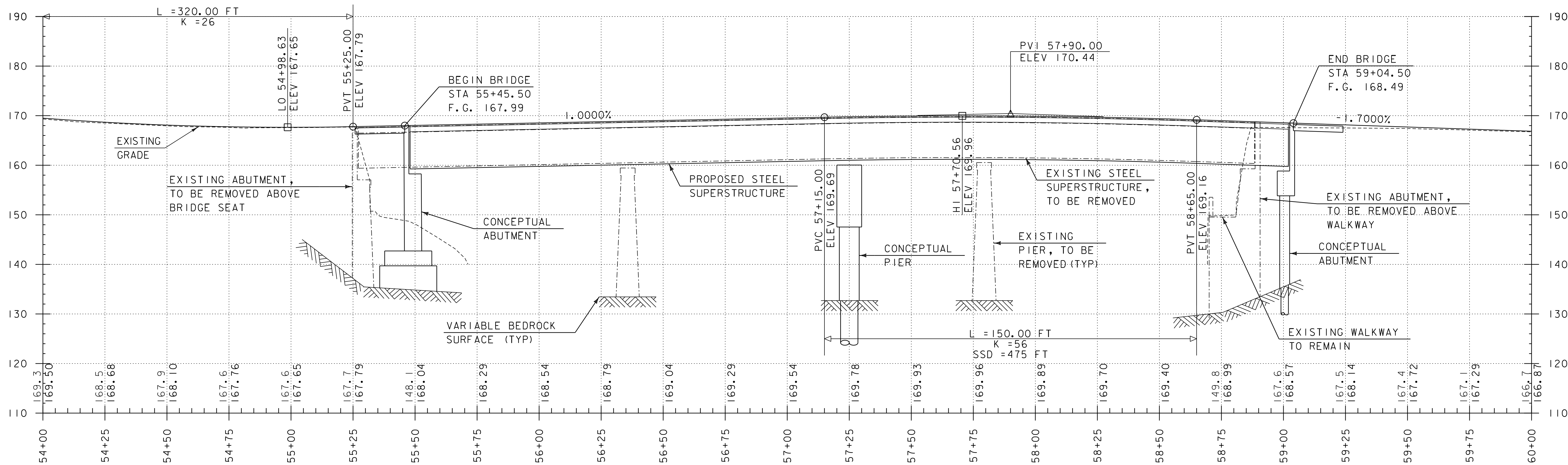
COLCHESTER AVE PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"

THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND ELEVATIONS ALONG THE NEW ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.

PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35pro.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
COLCHESTER & MAIN PROFILE SHEET 1	SHEET 16 OF 46





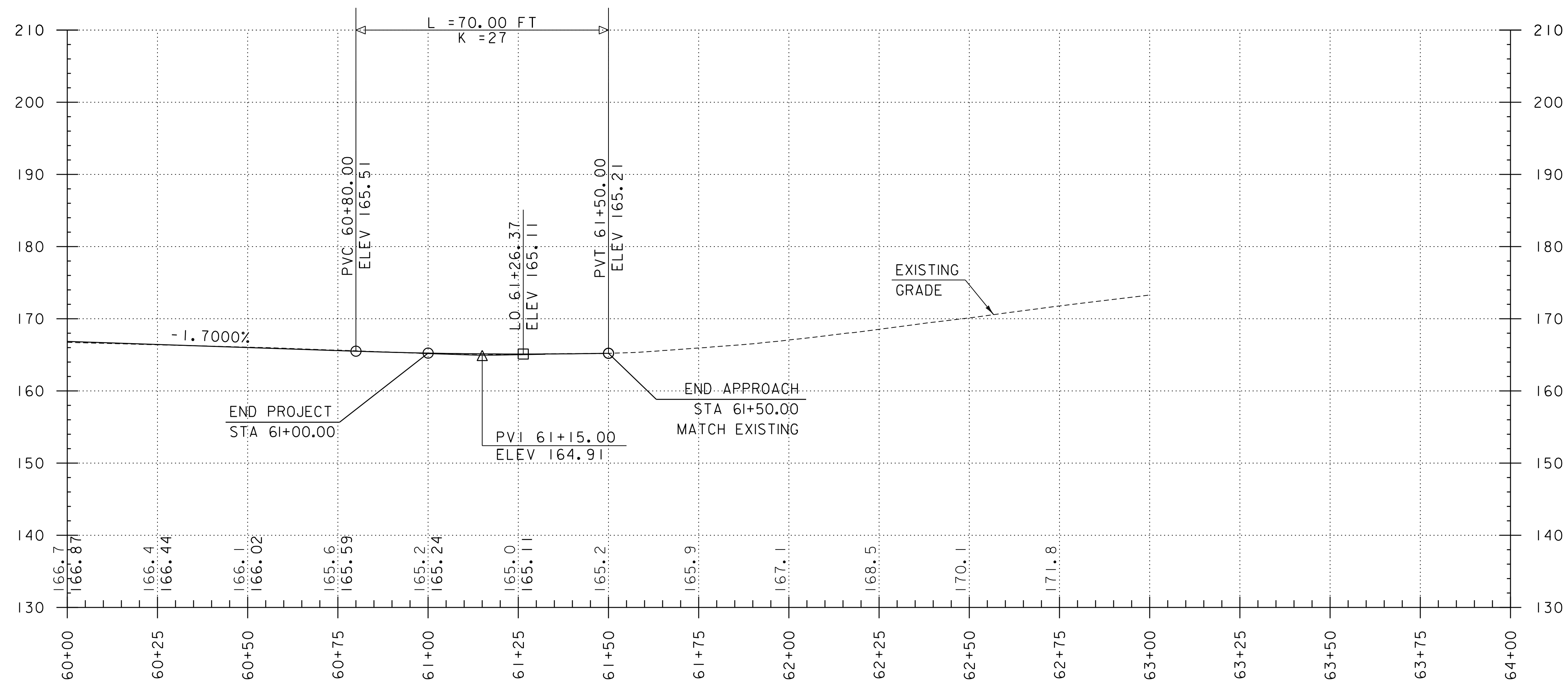
COLCHESTER AVE & MAIN ST PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"

THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND ELEVATIONS ALONG THE NEW ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.

PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35lpro.dgn
PROJECT LEADER:	J. OLUND
DESIGNED BY:	E. DAVIDSON
COLCHESTER & MAIN PROFILE SHEET 2	
PLOT DATE:	9-AUG-2023
DRAWN BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
SHEET	17 OF 46





MAIN ST (US ROUTE 2/7) PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"

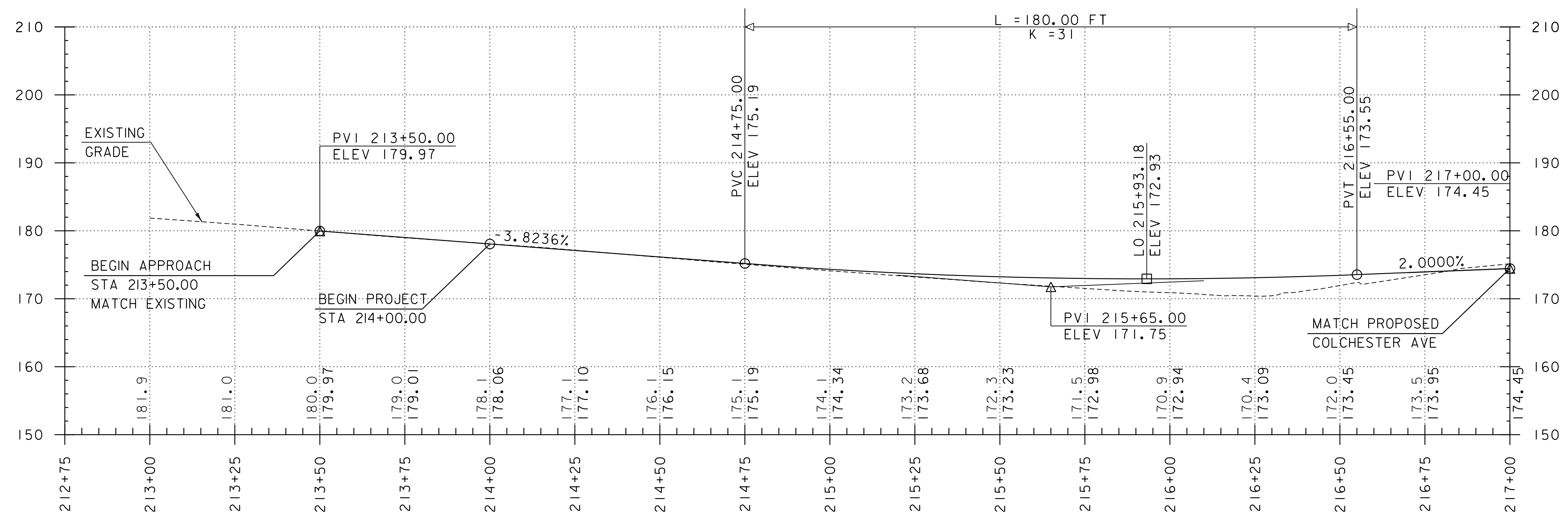
THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND ELEVATIONS ALONG THE NEW ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.

PROJECT NAME: BURLINGTON-WINOOSKI
 PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35pro.dgn
 PROJECT LEADER: J. OLUND
 DESIGNED BY: E. DAVIDSON
 COLCHESTER & MAIN PROFILE SHEET 3

PLOT DATE: 9-AUG-2023
 DRAWN BY: E. DAVIDSON
 CHECKED BY: S. SPEAR
 SHEET 18 OF 46





RIVERSIDE AVE (US ROUTE 2/7) PROFILE

HORIZONTAL SCALE: 1" = 20'-0"

VERTICAL SCALE: 1" = 10'-0"

THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND ELEVATIONS ALONG THE NEW ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.

PROJECT NAME: BURLINGTON-WINOOSKI

PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35jpro.dgn

PROJECT LEADER: J. OLUND

DESIGNED BY: E. DAVIDSON

RIVERSIDE AVE PROFILE SHEET

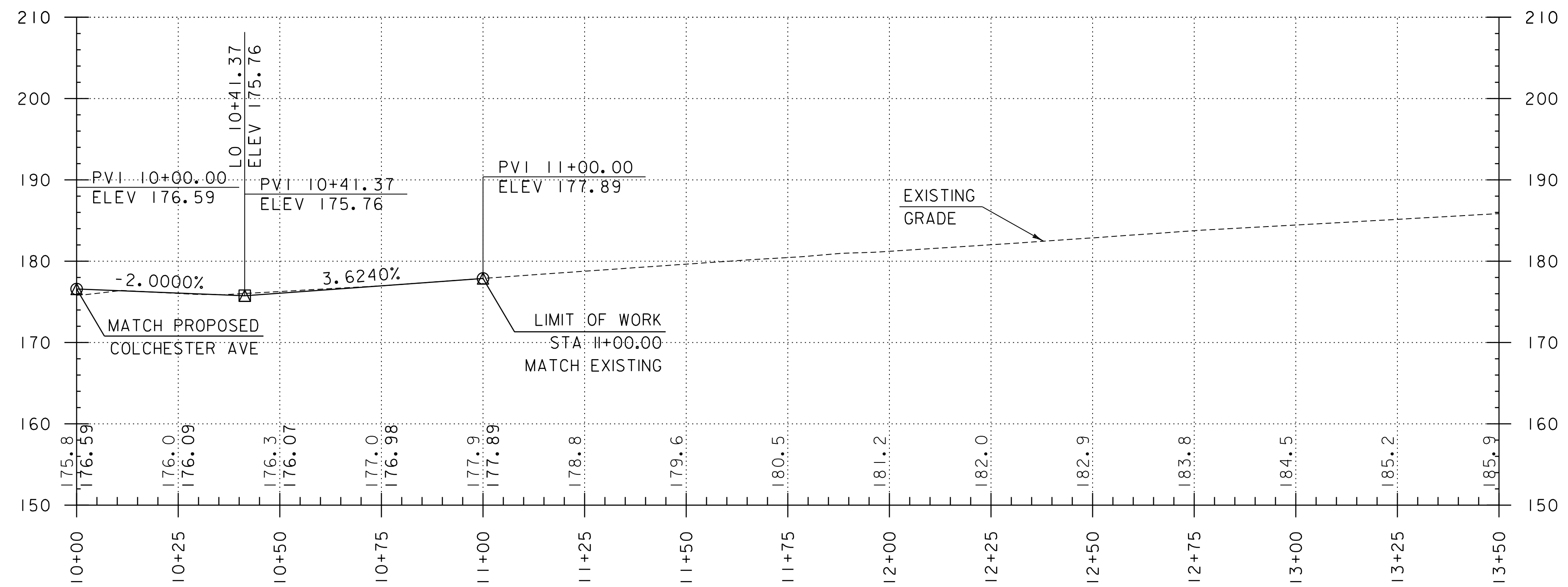
PLOT DATE: 9-AUG-2023

DRAWN BY: E. DAVIDSON

CHECKED BY: S. SPEAR

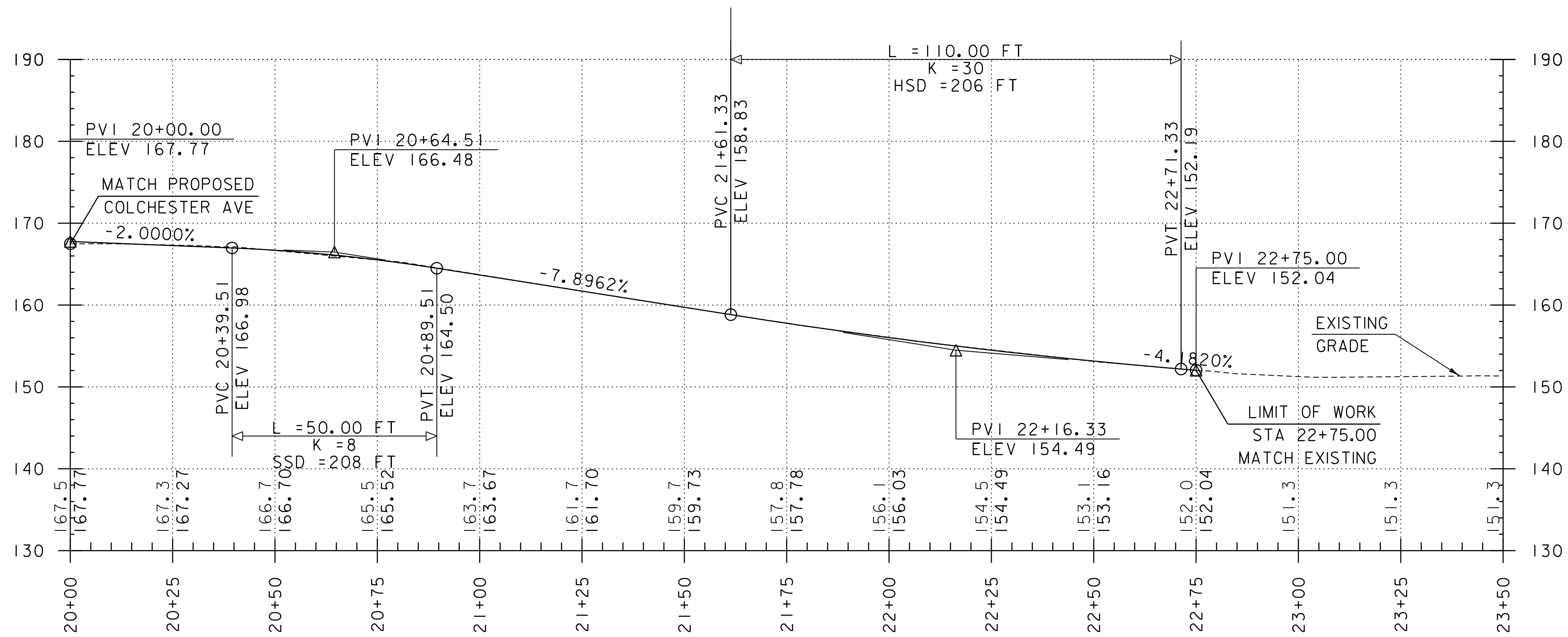
SHEET 19 OF 46





BARRETT ST PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"



MILL ST PROFILE

HORIZONTAL SCALE: 1" = 20'-0"
 VERTICAL SCALE: 1" = 10'-0"

THE GRADES SHOWN TO THE TENTH ARE THE EXISTING GROUND ELEVATIONS ALONG THE NEW ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDREDTH ARE THE PROPOSED GRADES FOR THE NEW ALIGNMENT.

PROJECT NAME: BURLINGTON-WINOOSKI
 PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35pro.dgn
 PROJECT LEADER: J. OLUND
 DESIGNED BY: E. DAVIDSON
 BARRETT ST & MILL ST PROFILE SHEET

PLOT DATE: 9-AUG-2023
 DRAWN BY: E. DAVIDSON
 CHECKED BY: S. SPEAR
 SHEET 20 OF 46



SOIL CLASSIFICATION

AASHTO

A1	Gravel and Sand
A3	Fine Sand
A2	Silty or Clayey Gravel and Sand
A4	Silty Soil - Low Compressibility
A5	Silty Soil - Highly Compressible
A6	Clayey Soil - Low Compressibility
A7	Clayey Soil - Highly Compressible

ROCK QUALITY DESIGNATION

R.Q.D. (%)	ROCK DESCRIPTION
<25	Very Poor
25 to 50	Poor
51 to 75	Fair
76 to 90	Good
>90	Excellent

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	Very Soft
250-500	Soft
500-1000	Med. Stiff
1000-2000	Stiff
2000-4000	Very Stiff
>4000	Hard

CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

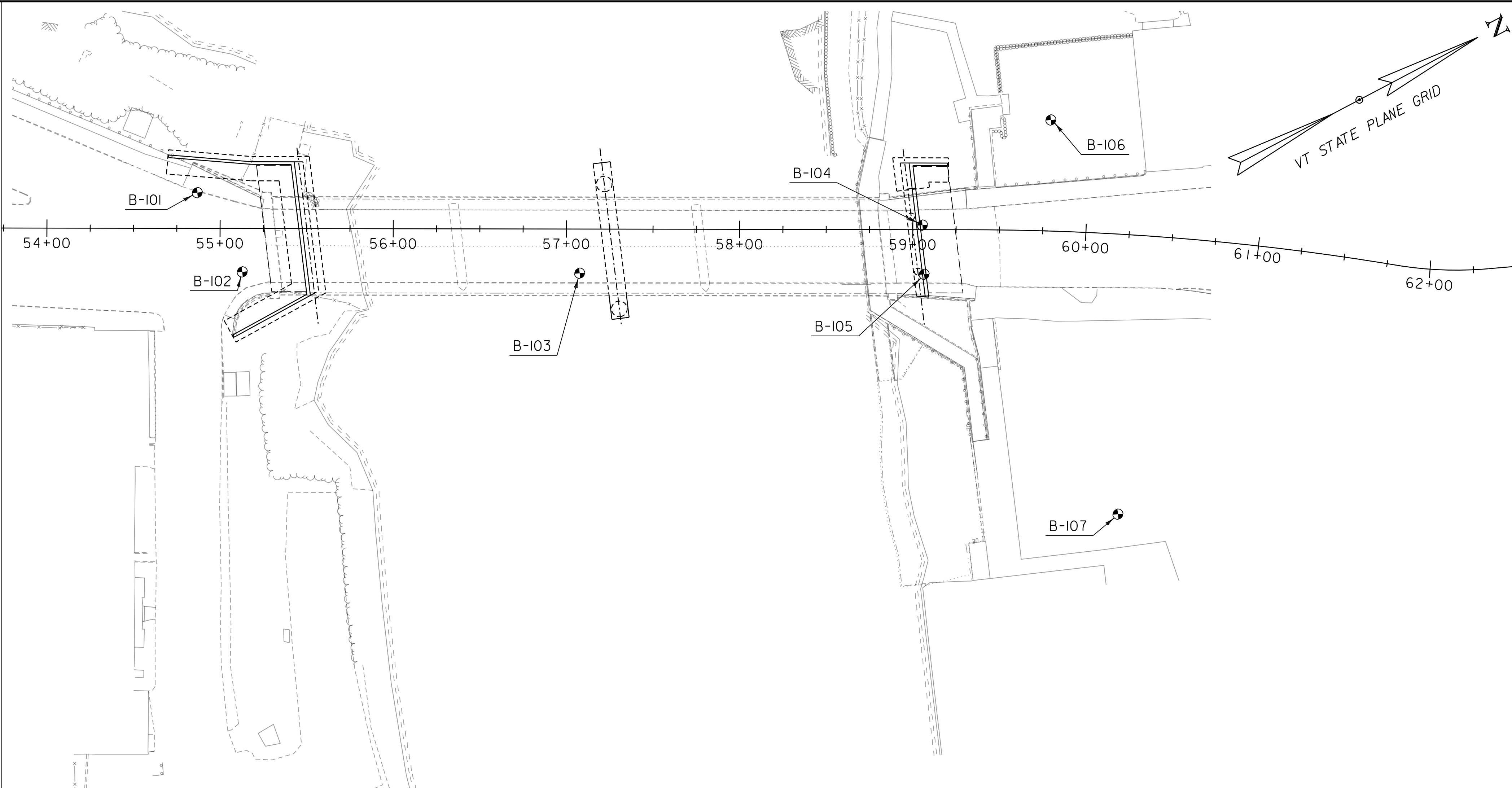
DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-24	Med. Dense	5-8	Med. Stiff
25-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		31-60	Hard
		>60	Very Hard

COMMONLY USED SYMBOLS

- ▼ Water Elevation
- ⊕ Standard Penetration Boring
- ⊕ Auger Boring
- ⊕ Rod Sounding
- ⊕ Sample
- N Standard Penetration Test
- Blow Count Per Foot For:
- 2" O.D. Sampler
- 1 3/8" I.D. Sampler
- Hammer Weight Of 140 Lbs.
- Hammer Fall Of 30"
- Field Vane Shear Test
- Undisturbed Soil Sample
- B Blast
- DC Diamond Core
- MD Mud Drill
- WA Wash Ahead
- HSA Hollow Stem Auger
- AX Core Size 1 1/8"
- BX Core Size 1 3/8"
- NX Core Size 2 1/8"
- M Double Tube Core Barrel Used
- LL Liquid Limit
- PL Plastic Limit
- PI Plasticity Index
- NP Non Plastic
- w Moisture Content (Dry Wgt. Basis)
- D Dry
- M Moist
- MTW Moist To Wet
- W Wet
- Sat Saturated
- Bo Boulder
- Gr Gravel
- Sa Sand
- Si Silt
- Cl Clay
- HP Hardpan
- Le Ledge
- NLTD No Ledge To Depth
- CNPF Can Not Penetrate Further
- TLOB Top of Ledge Or Boulder
- NR No Recovery
- Rec. Recovery
- %Rec. Percent Recovery
- ROD Rock Quality Designation
- CBR California Bearing Ratio
- < Less Than
- > Greater Than
- R Refusal (N > 100)
- VTSPG NAD83 - See Note 7

COLOR

blk	Black	pnk	Pink
bl	Blue	pu	Purple
brn	Brown	rd	Red
dk	Dark	tn	Tan
gry	Gray	wh	White
gn	Green	yel	Yellow
lt	Light	mltc	Multicolored
or	Orange		



BORING LAYOUT

SCALE 1" = 40'-0"
 40 0 40

BORING CHART

HOLE NO.	SURV. STATION	OFFSET	NORTHING	EASTING	GROUND ELEV.	ELEV. TLOB
B-101	54+86.80	20.64 LT	725535.60	1461190.35	167.6	151.6
B-102	55+12.86	25.08 RT	725556.92	1461238.47	167.6	143.6
B-103	57+07.66	25.50 RT	725750.69	1461258.53	169.2	132.7
B-104	59+05.58	2.62 LT	725950.43	1461250.52	167.5	138.5
B-105	59+06.60	25.78 RT	725948.59	1461278.87	167.4	135.4
B-106	59+77.80	64.12 LT	726030.23	1461197.43	167.8	N/A
B-107	60+28.91	161.45 RT	726046.22	1461427.77	155.7	N/A

DEFINITIONS (AASHTO)

- BEDROCK (LEDGE) - Rock in its native location of indefinite thickness.
- BOULDER - A rock fragment with an average dimension > 12 inches.
- COBBLE - Rock fragments with an average dimension between 3 and 12 inches.
- GRAVEL - Rounded particles of rock < 3" and > 0.075" (#10 sieve).
- SAND - Particles of rock < 0.075" (#10 sieve) and > 0.0025" (#200 sieve).
- SILT - Soil < 0.0025" (#200 sieve), non or slightly plastic and exhibits no strength when air-dried.
- CLAY - Fine grained soil, exhibits plasticity when moist and considerable strength when air-dried.

- VARVED - Alternate layers of silt and clay.
- HARDPAN - Extremely dense soil, cemented layer, not softened when wet.
- MUCK - Soft organic soil (containing > 10% organic material).
- MOISTURE CONTENT - Weight of water divided by dry weight of soil.
- FLOWING SAND - Granular soil so saturated (loose) that it flows into drill casing during extraction of wash rod.
- STRIKE - Angle from magnetic north to line of intersection of bed with a horizontal plane.
- DIP - Inclination of bed with a horizontal plane.

GENERAL NOTES

1. The subsurface explorations shown herein were made between May and June 2023 by New England Boring Company.
2. Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by HNTB and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
3. Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.
4. Engineering judgment was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface information is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgment by the Contractor.
5. Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.
6. Terminology used on boring logs to describe the hardness, degree of weathering, and spacing of fractures, joints and other discontinuities in the bedrock is defined in the AASHTO Manual on Subsurface Investigations, 1988.
7. Northing and Easting coordinates are shown in Vermont State Plane Grid North American Datum 1983 in meters and survey feet.



PROJECT NAME: BURLINGTON-WINOOSKI

PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35lbor_plan.dgn

PROJECT LEADER: J. OLUND

DESIGNED BY: T. POULIN

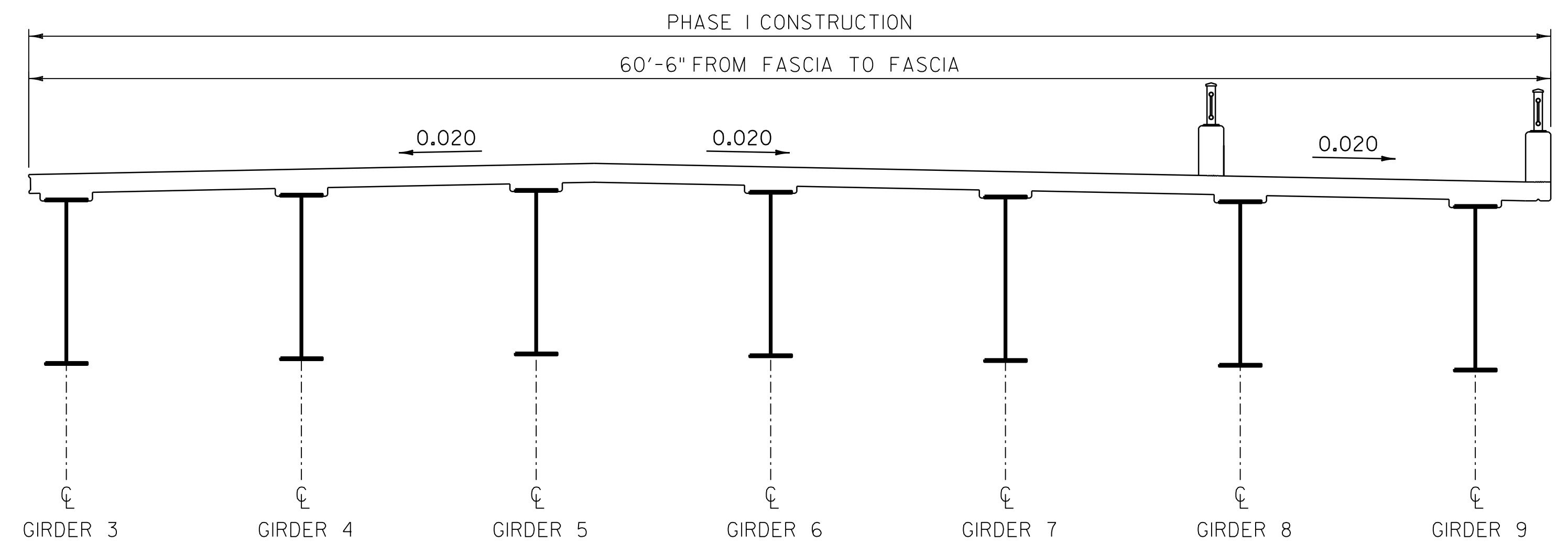
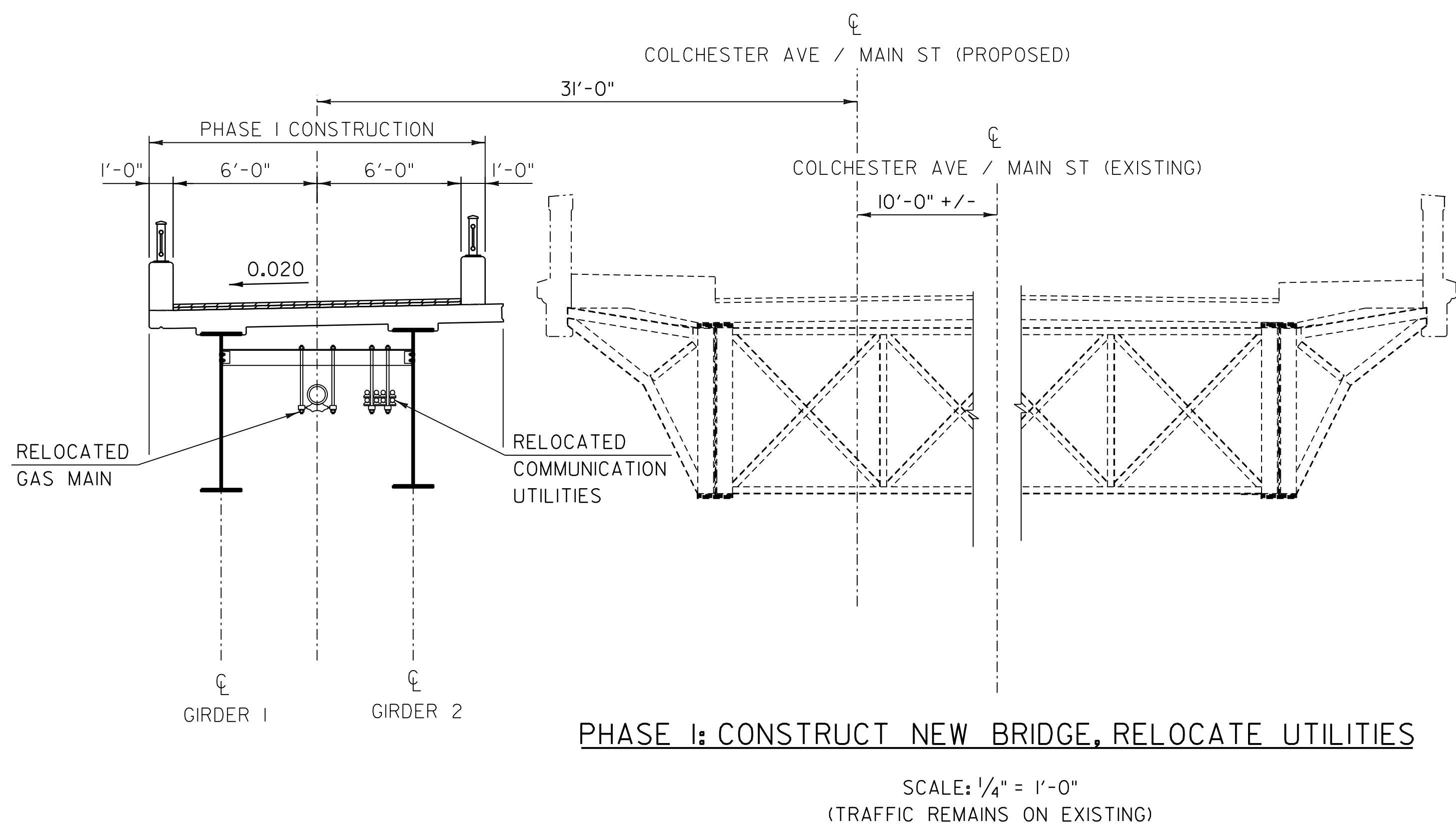
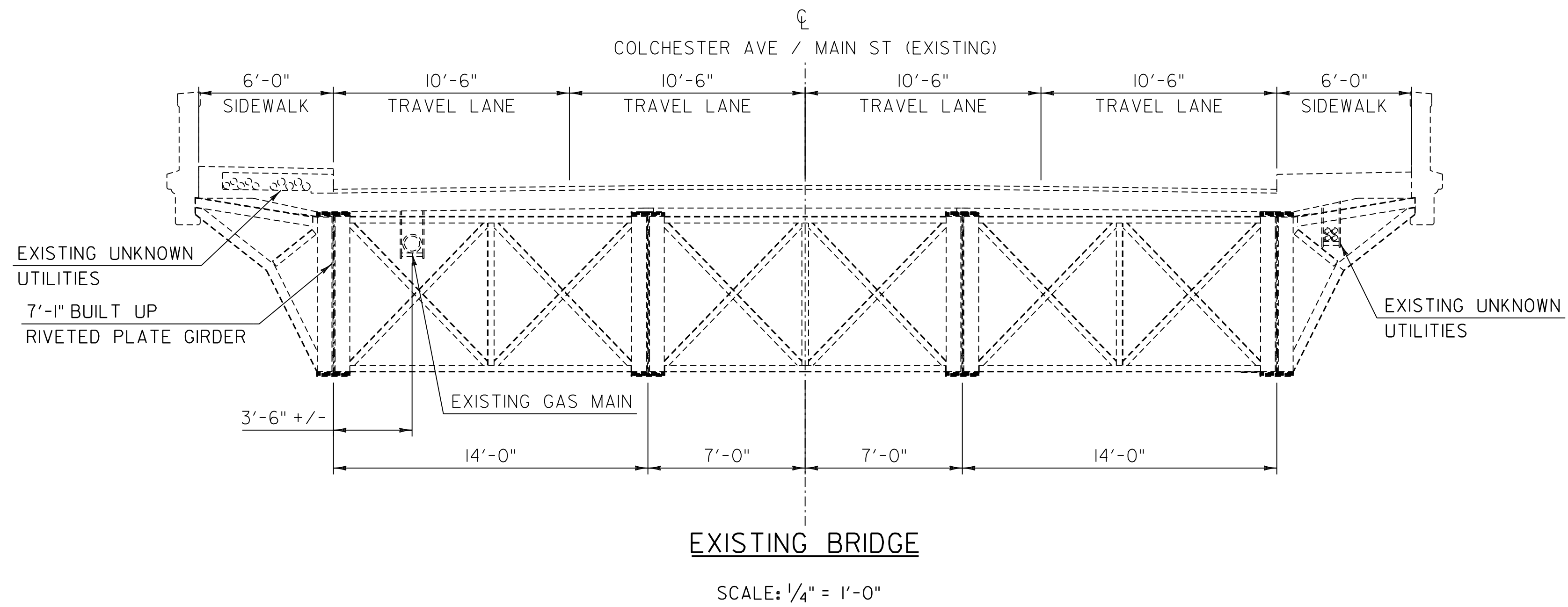
BORING INFORMATION AND LAYOUT SHEET

PLOT DATE: 9-AUG-2023

DRAWN BY: K. BELISLE

CHECKED BY: S. SPEAR

SHEET 21 OF 46

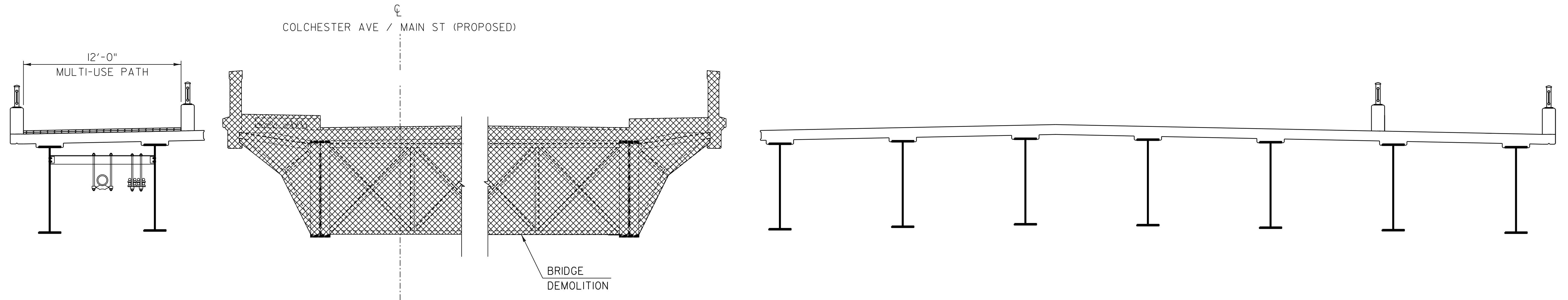


PROJECT NAME: BURLINGTON-WINOOSKI
 PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35itcpxs.dgn
 PROJECT LEADER: J. OLUND
 DESIGNED BY: T. POULIN
 CONSTRUCTION PHASING SECTIONS I

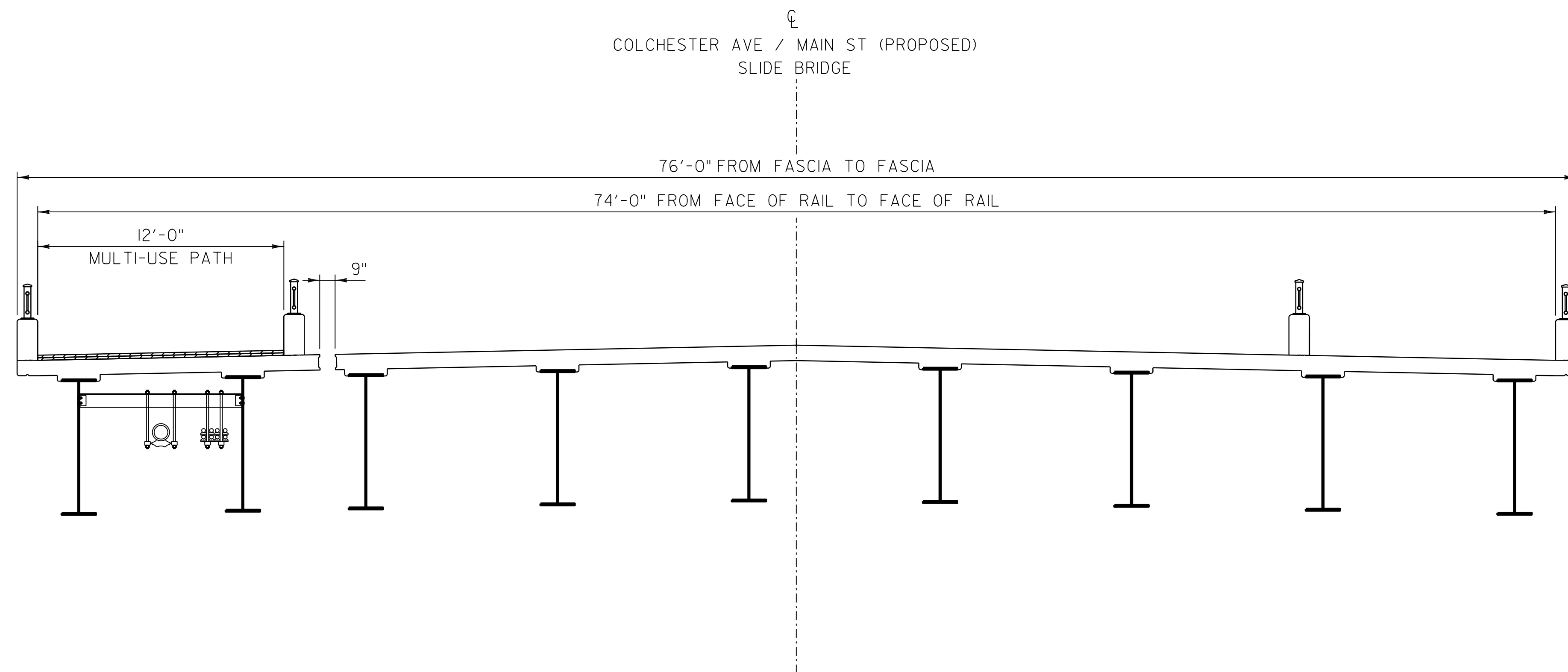
PLOT DATE: 9-AUG-2023
 DRAWN BY: K. BELISLE
 CHECKED BY: H. WALTON
 SHEET 22 OF 46





PHASE 2: DEMOLITION OF EXISTING BRIDGE

SCALE: 1/4" = 1'-0"
(VEHICULAR TRAFFIC CLOSURE)



PHASE 3: SLIDE BRIDGE

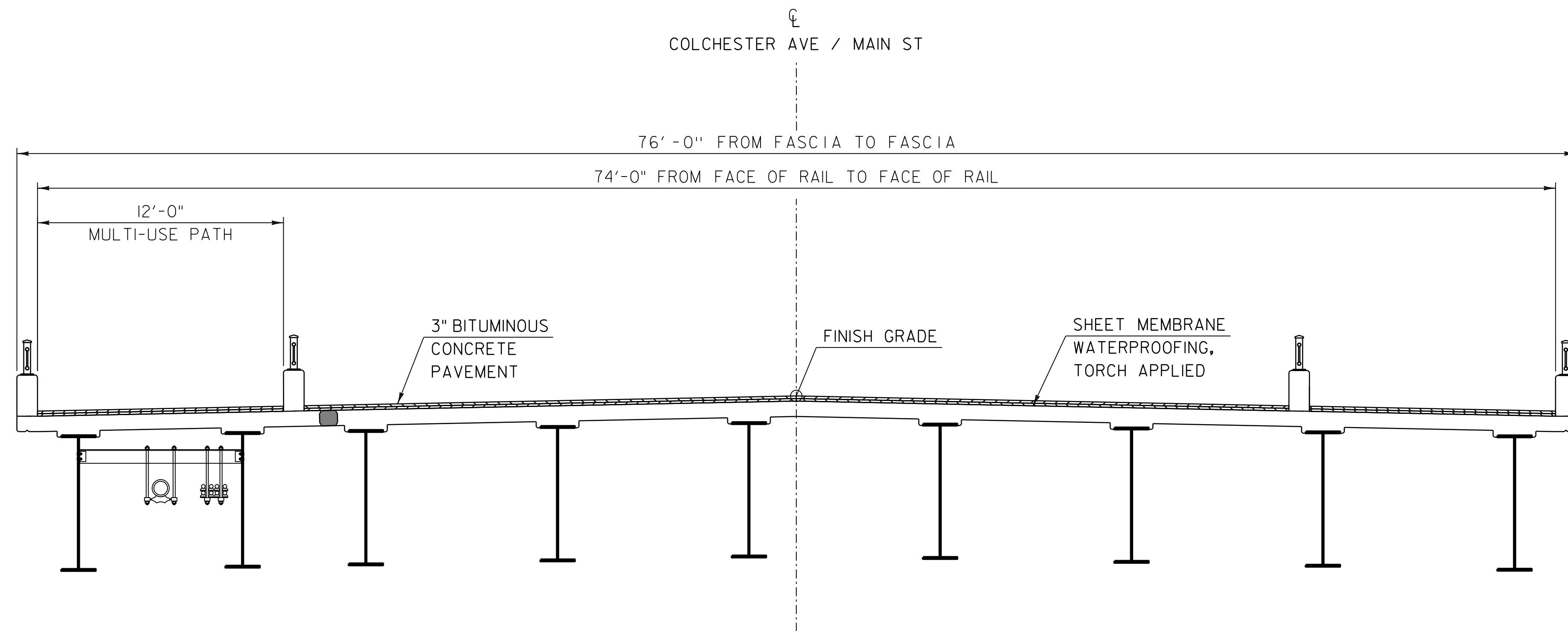
SCALE: 1/4" = 1'-0"
(VEHICULAR TRAFFIC CLOSURE)

PROJECT NAME: BURLINGTON-WINOOSKI
PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35itcpxs.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: T. POULIN
CONSTRUCTION PHASING SECTIONS 2

PLOT DATE: 9-AUG-2023
DRAWN BY: K. BELISLE
CHECKED BY: H. WALTON
SHEET 23 OF 46





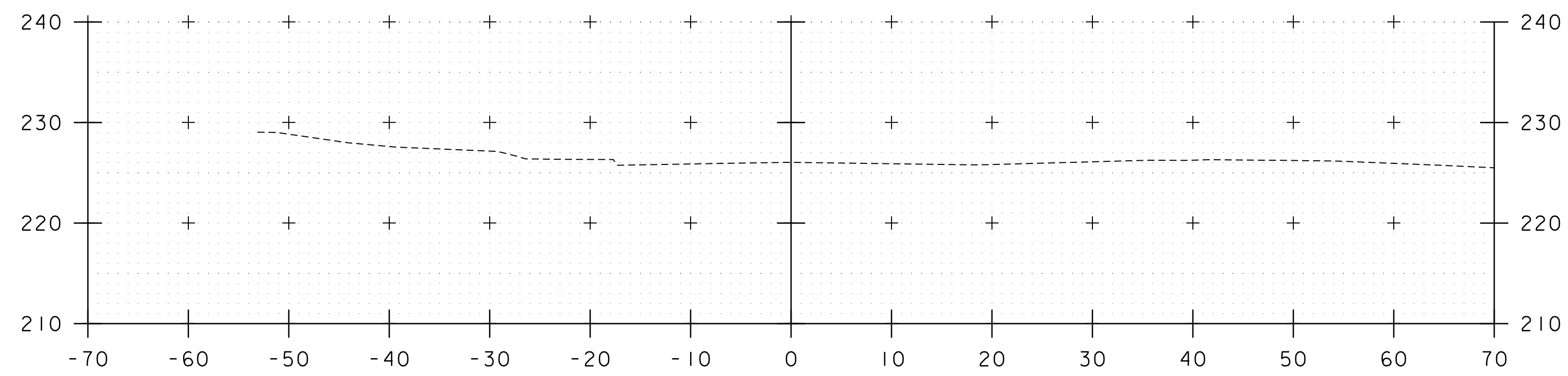
PHASE 4: CLOSURE POUR AND WEARING SURFACE

SCALE: 1/4" = 1'-0"
(VEHICULAR TRAFFIC CLOSURE)

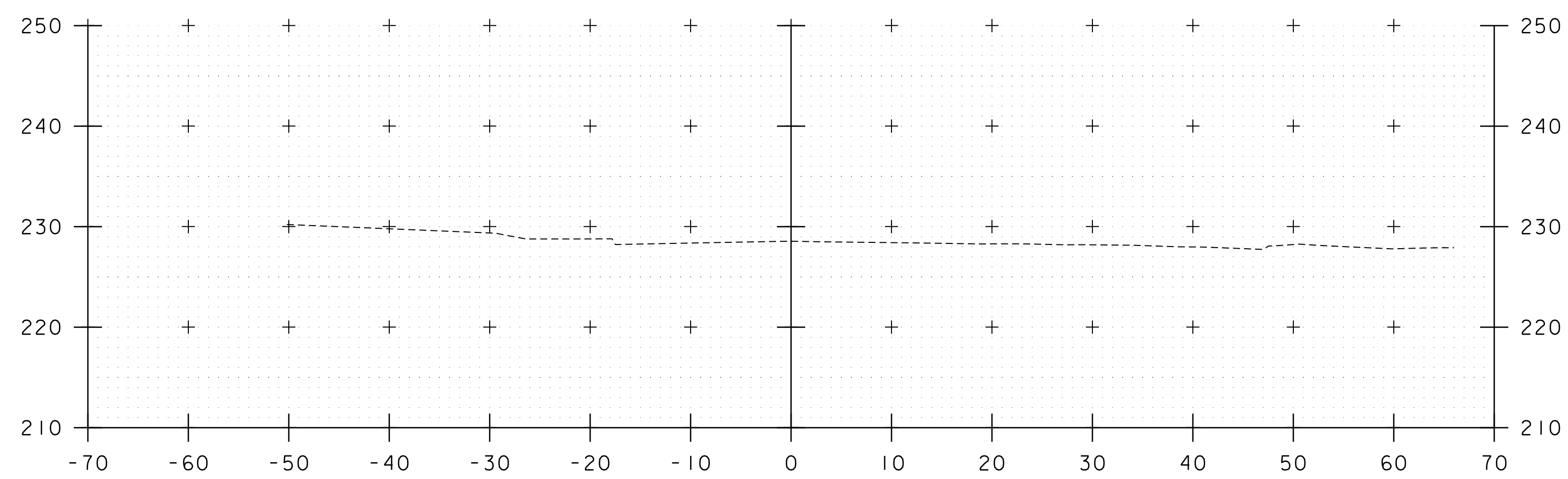
PROJECT NAME: BURLINGTON-WINOOSKI
PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35itcpxs.dgn PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND DRAWN BY: K. BELISLE
DESIGNED BY: T. POULIN CHECKED BY: H. WALTON
CONSTRUCTION PHASING SECTIONS 3 SHEET 24 OF 46

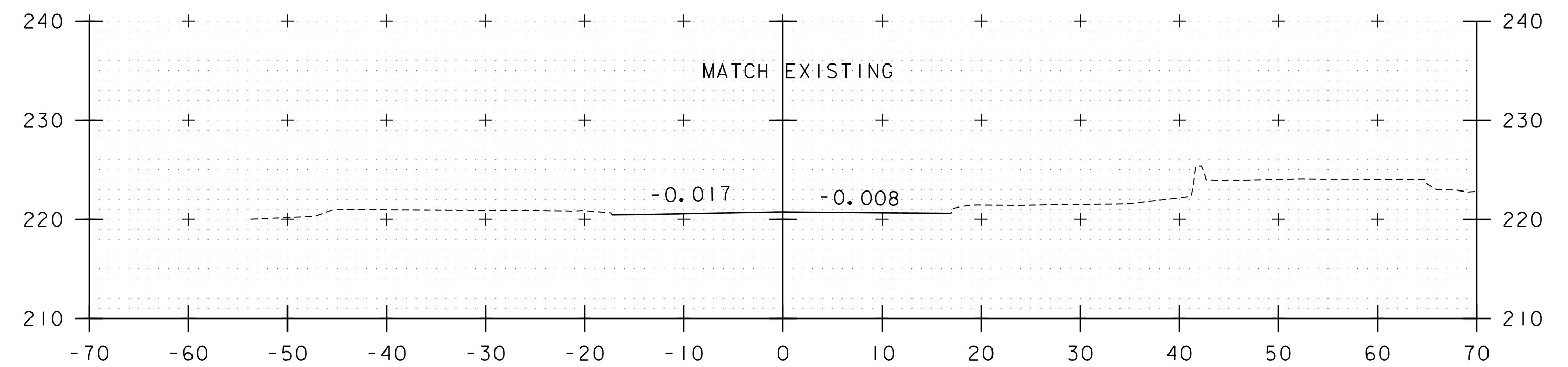




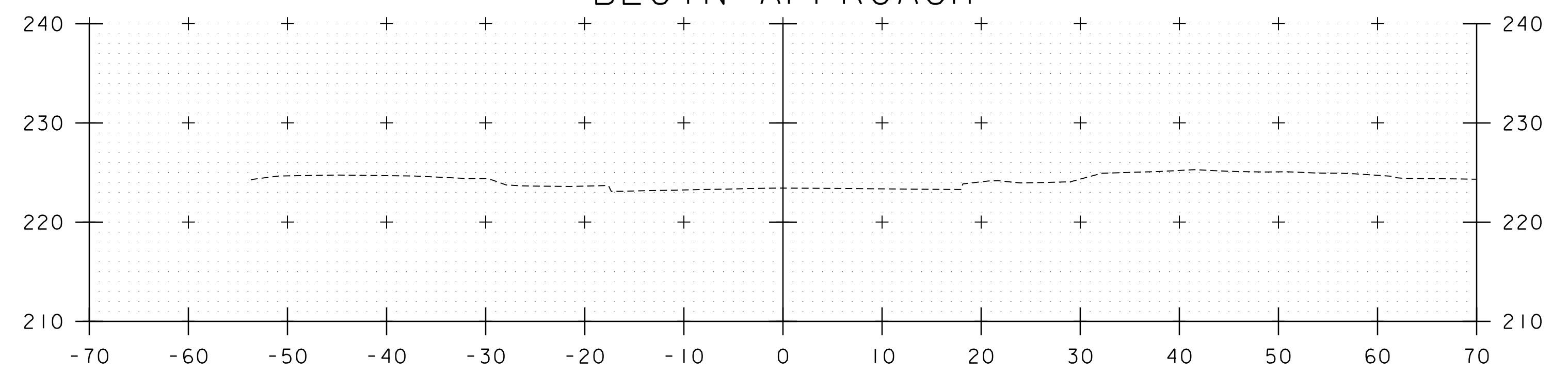
48+25



48+00



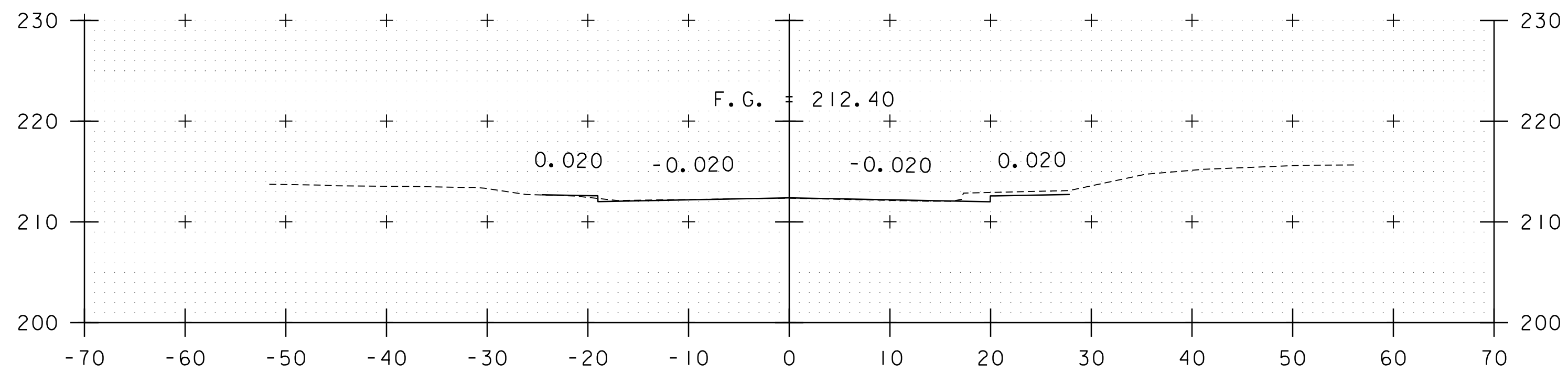
48+75
BEGIN APPROACH



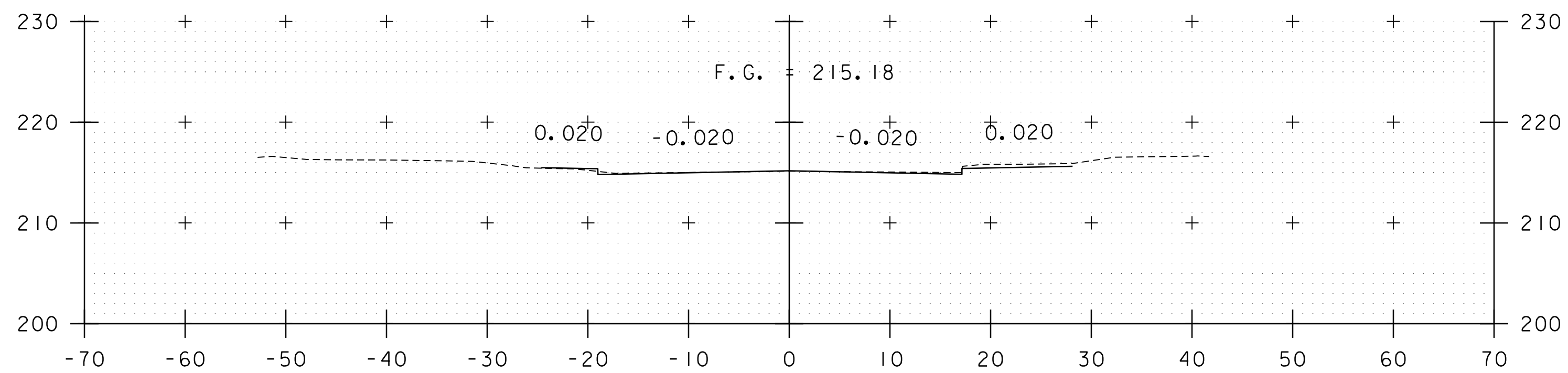
48+50

STA. 48+00 TO STA. 48+75

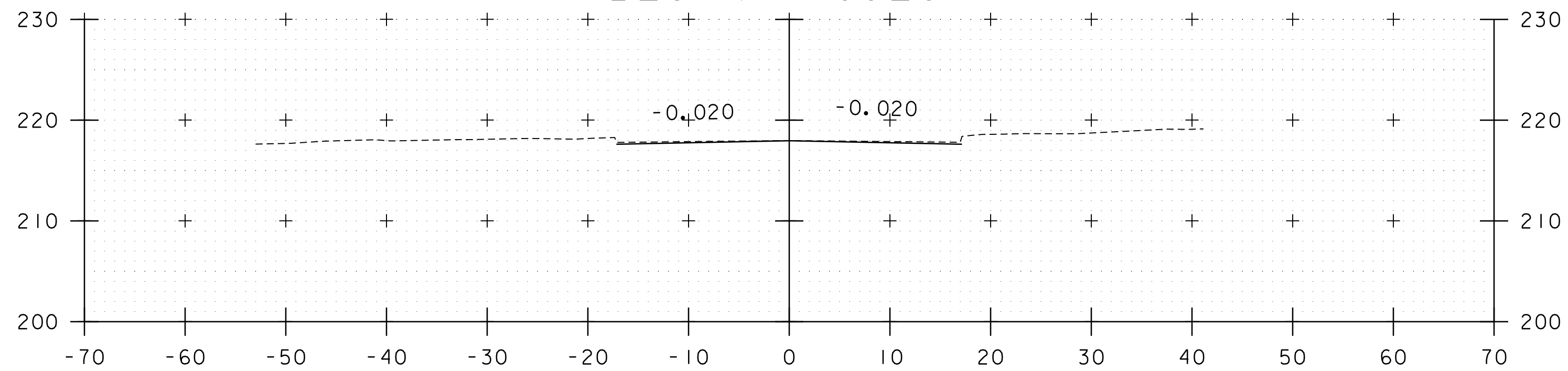
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION I	SHEET 25 OF 46



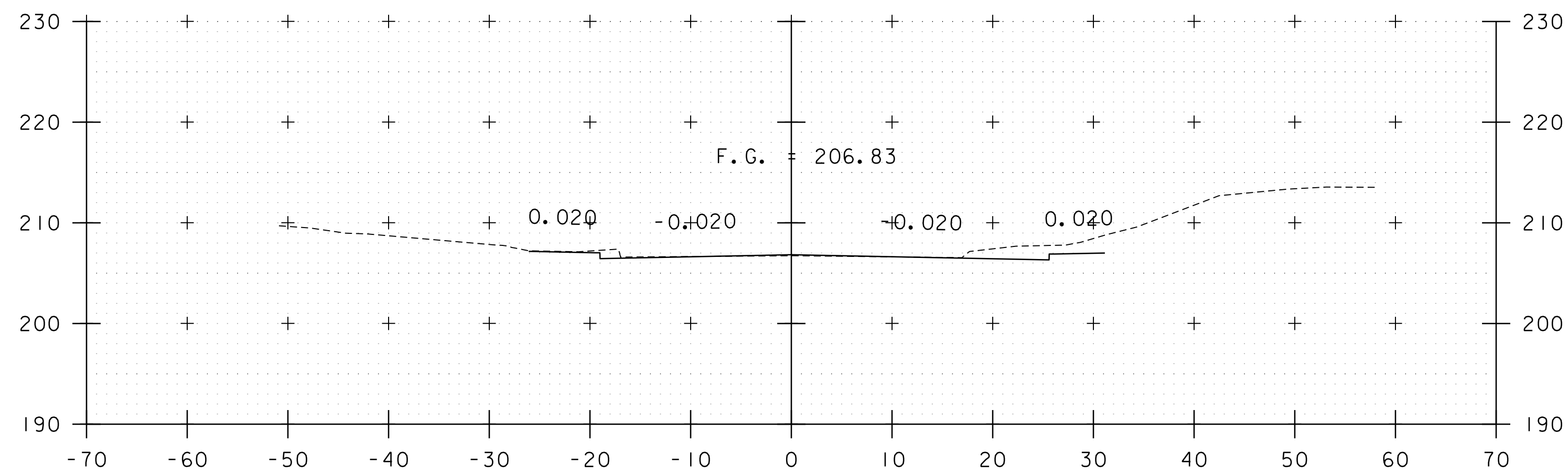
49+50



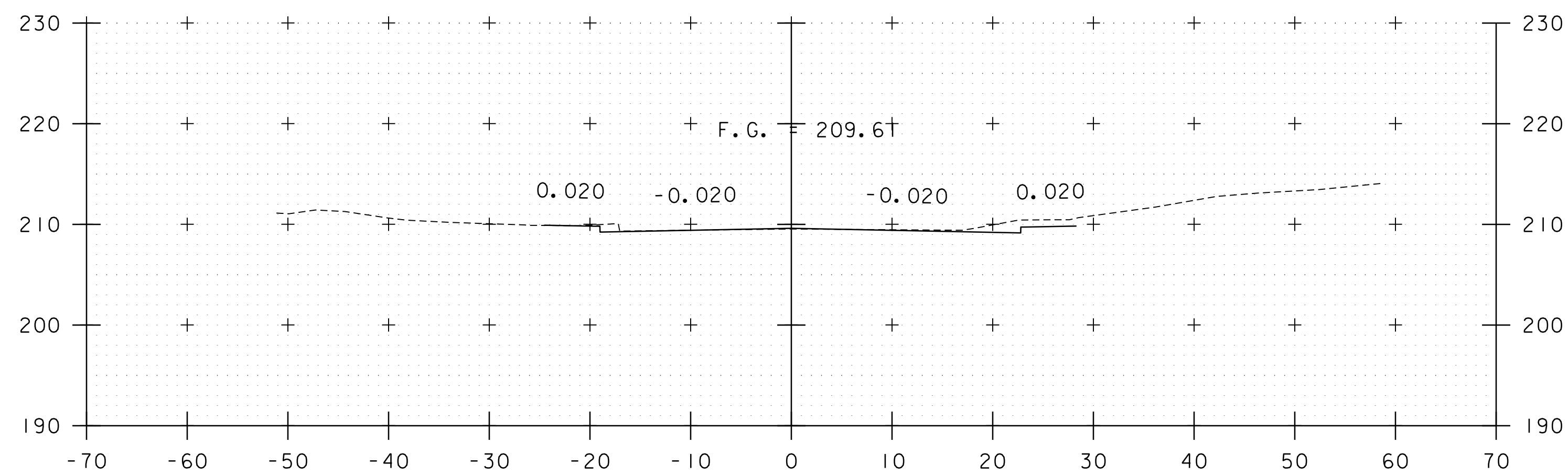
49+25
BEGIN PROJECT



49+00



50+00

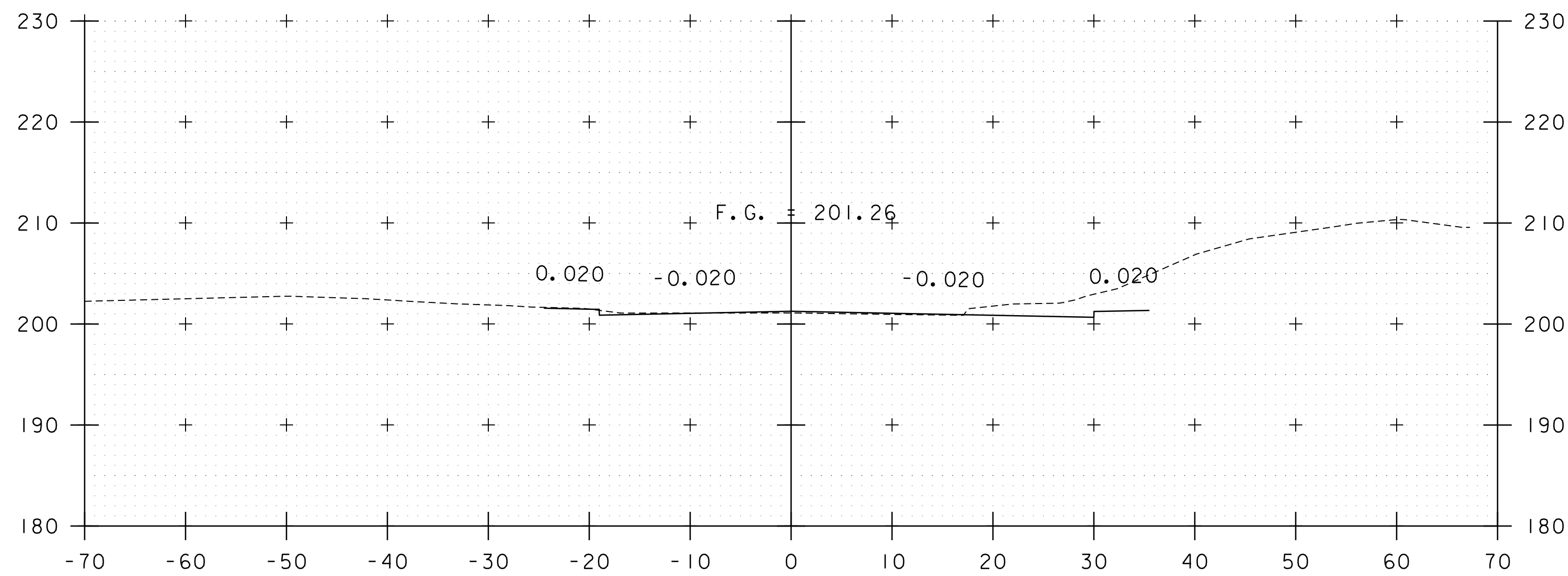


49+75

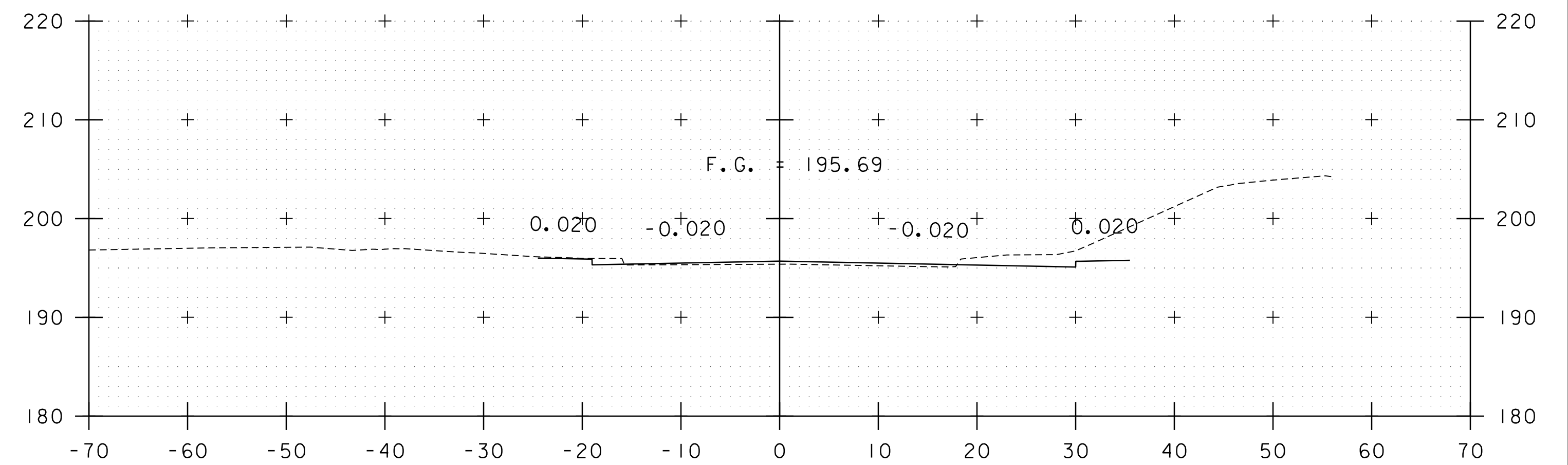
PROJECT NAME: BURLINGTON-WINOOSKI
PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35ixs.Colchester_Main.dgn PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON CHECKED BY: S. SPEAR
COLCHESTER & MAIN CROSS SECTION 2 SHEET 26 OF 46

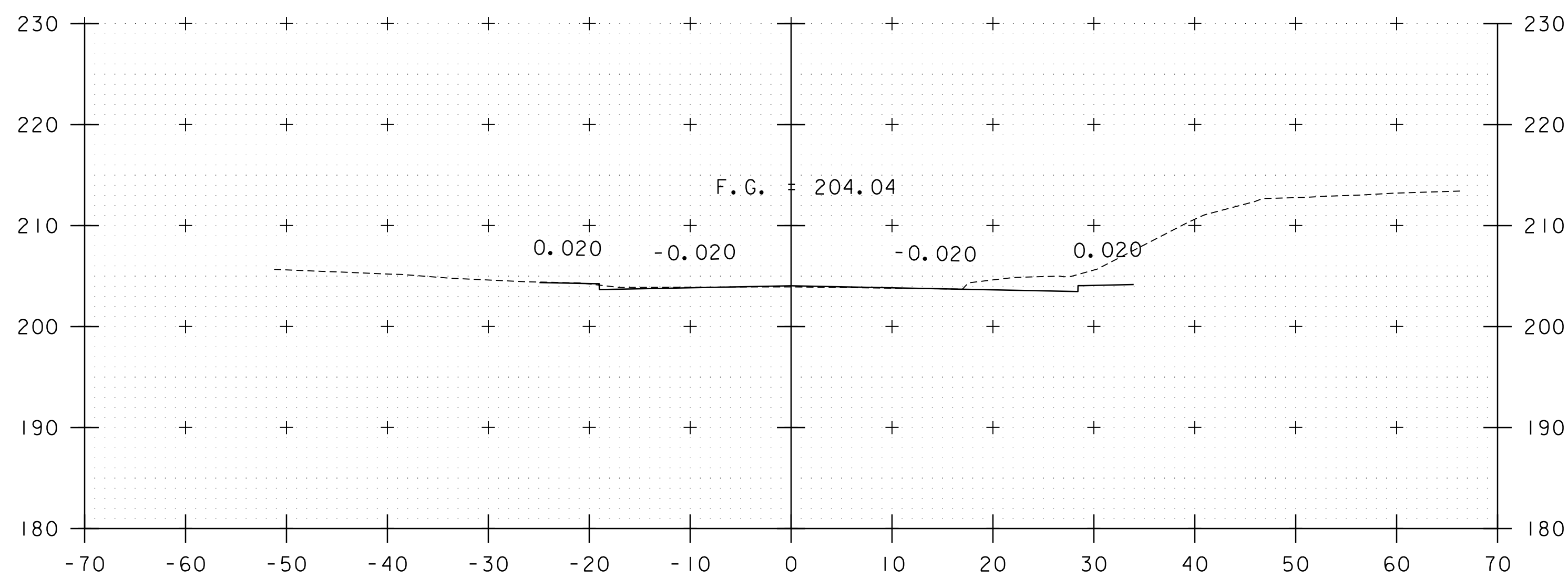
STA. 49+00 TO STA. 50+00



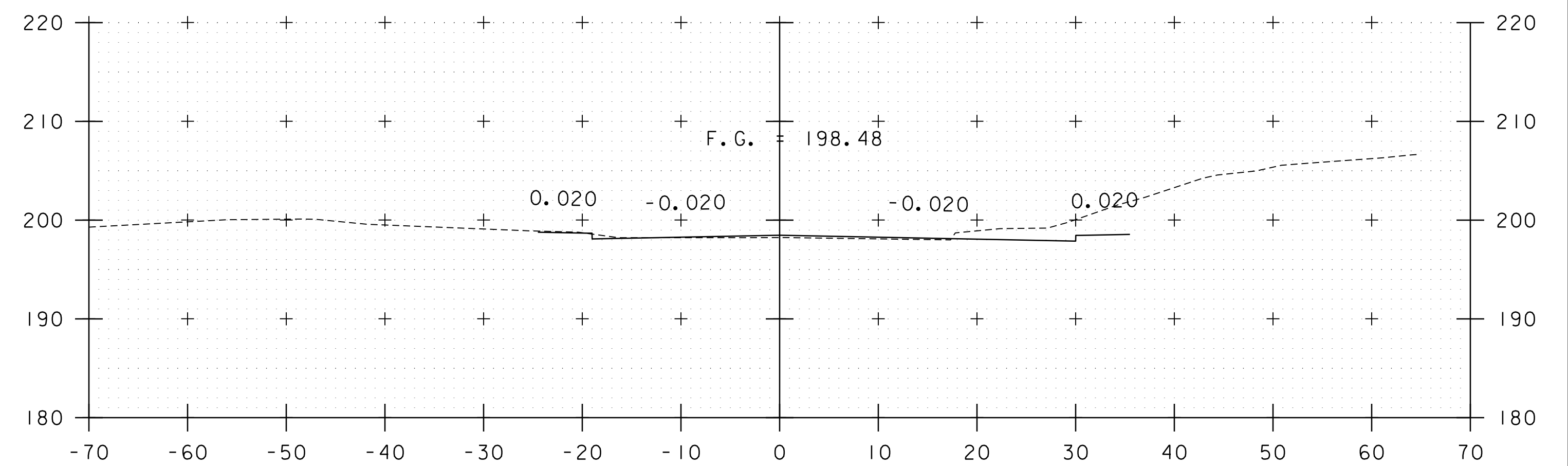
50+50



51+00



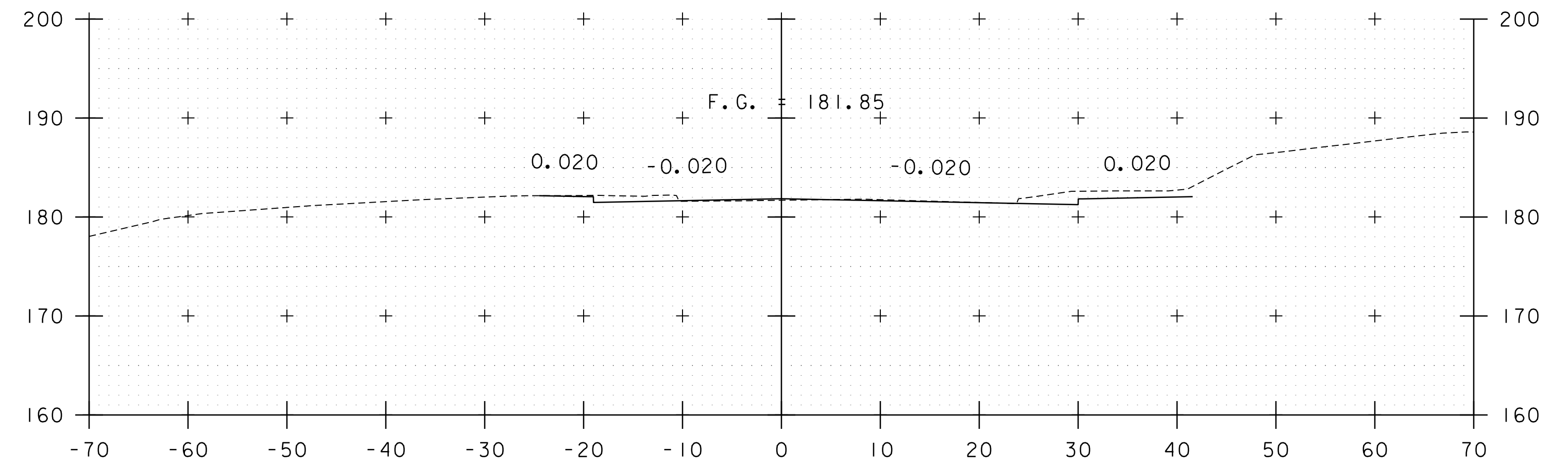
50+25



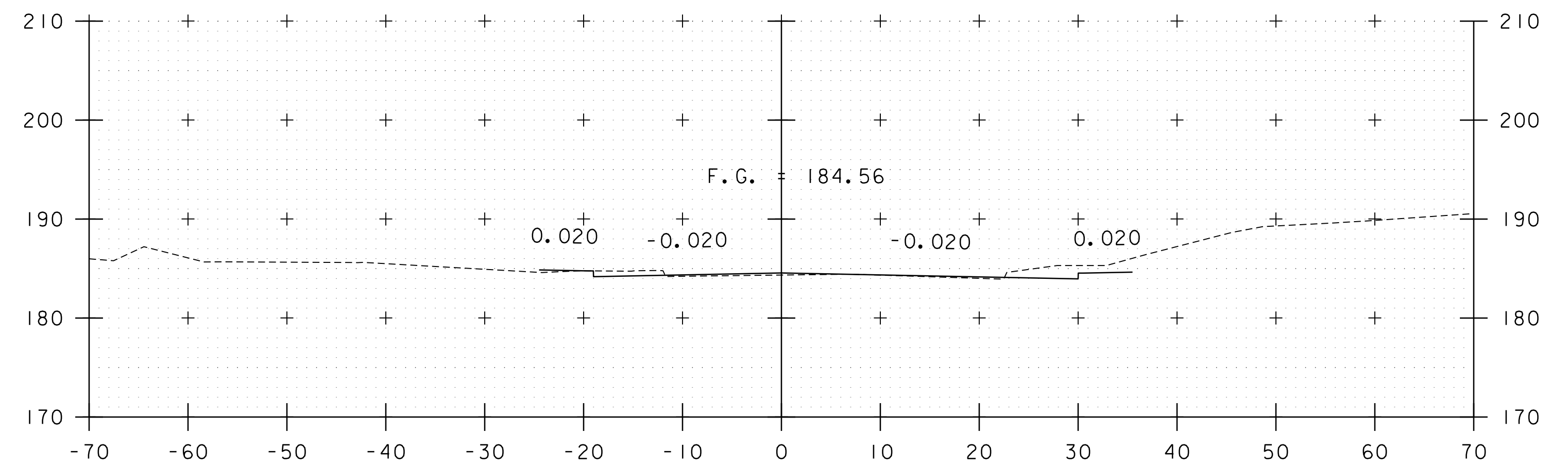
50+75

STA. 50+25 TO STA. 51+00

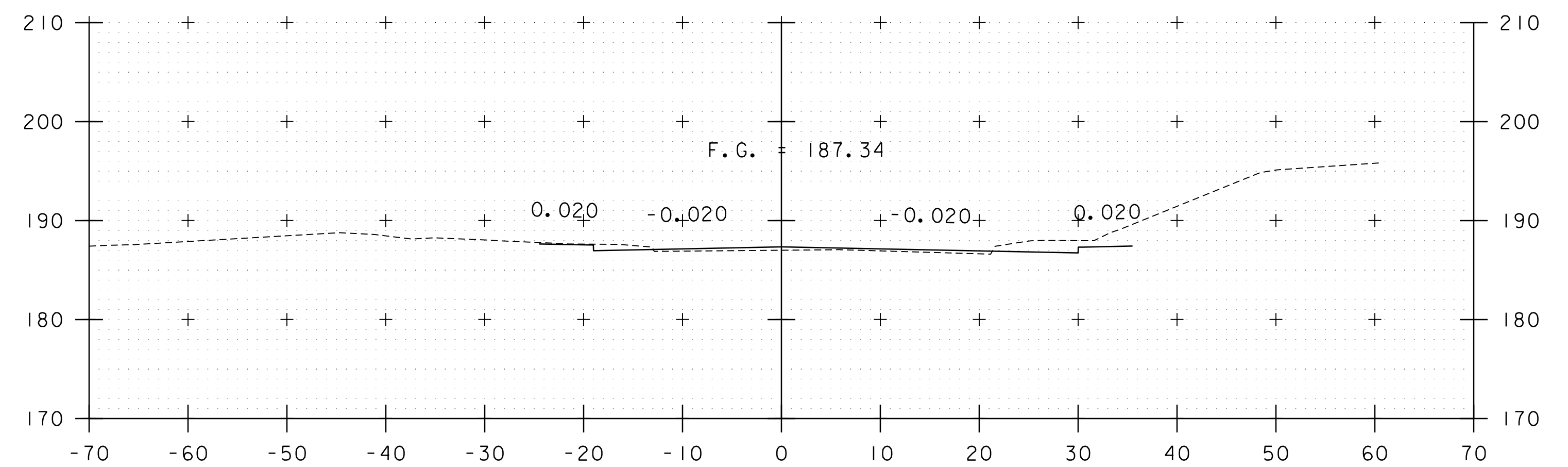
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME: z22j35ixs.Colchester_Main.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
COLCHESTER & MAIN CROSS SECTION 3	SHEET 27 OF 46



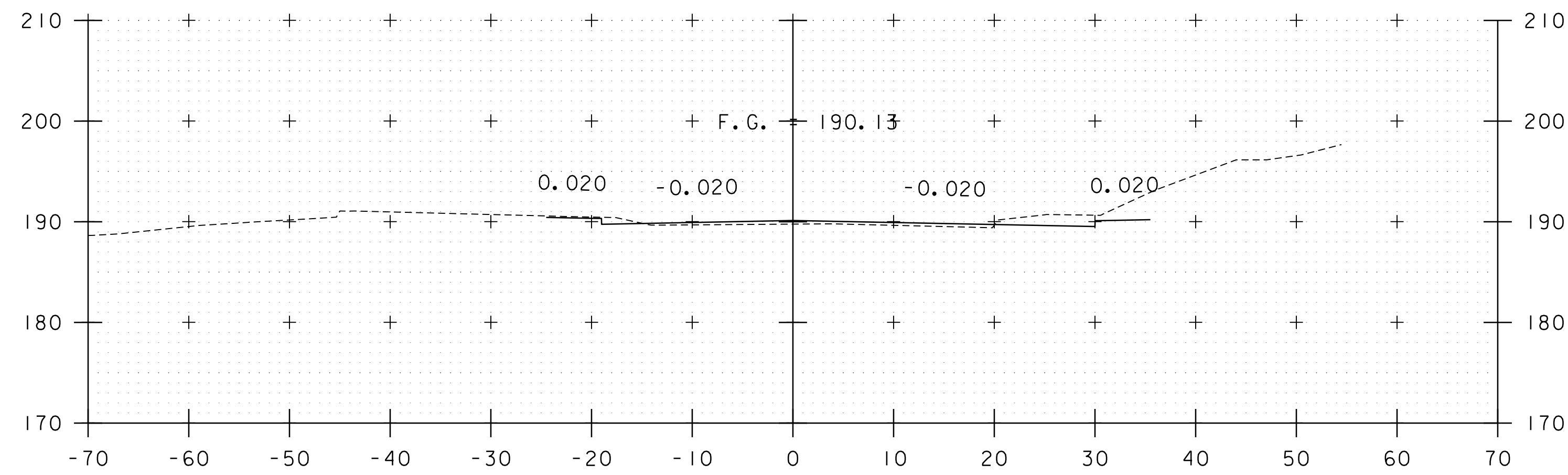
52+25



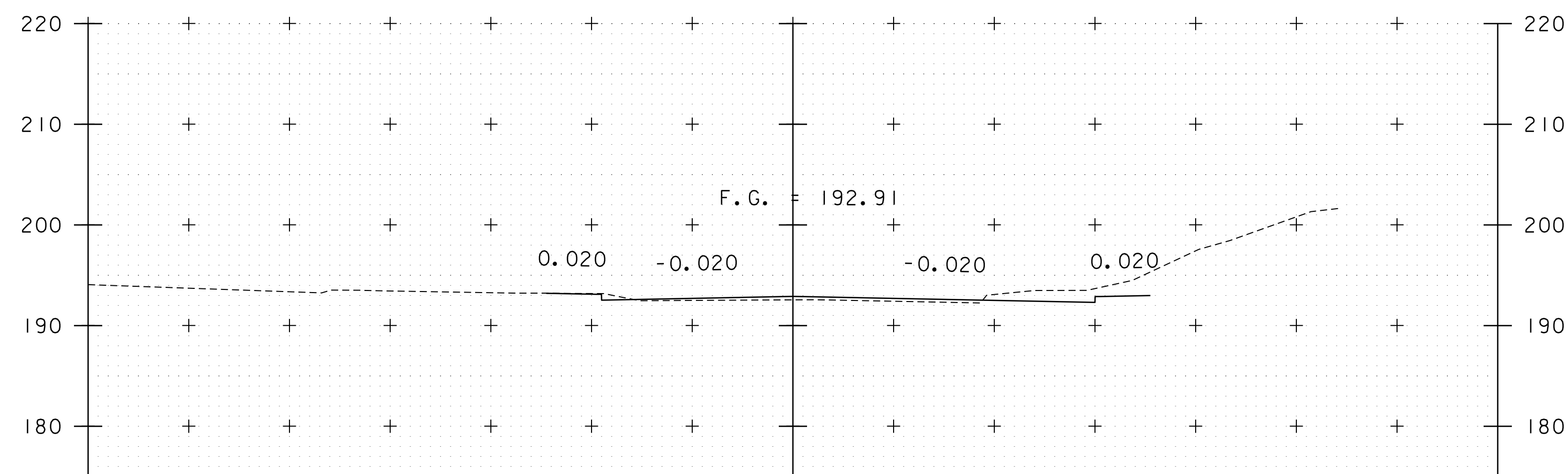
52+00



51+75



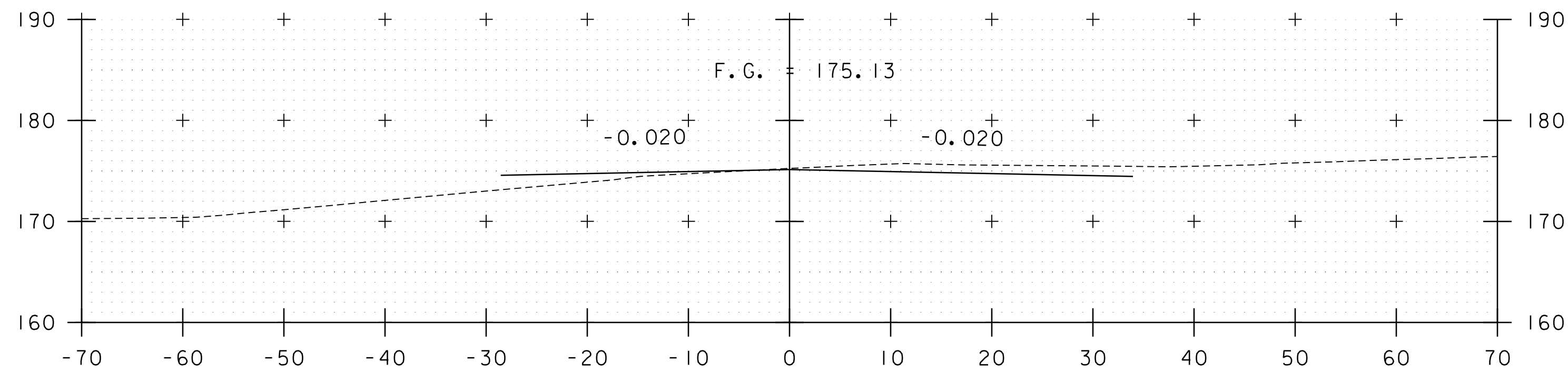
51+50



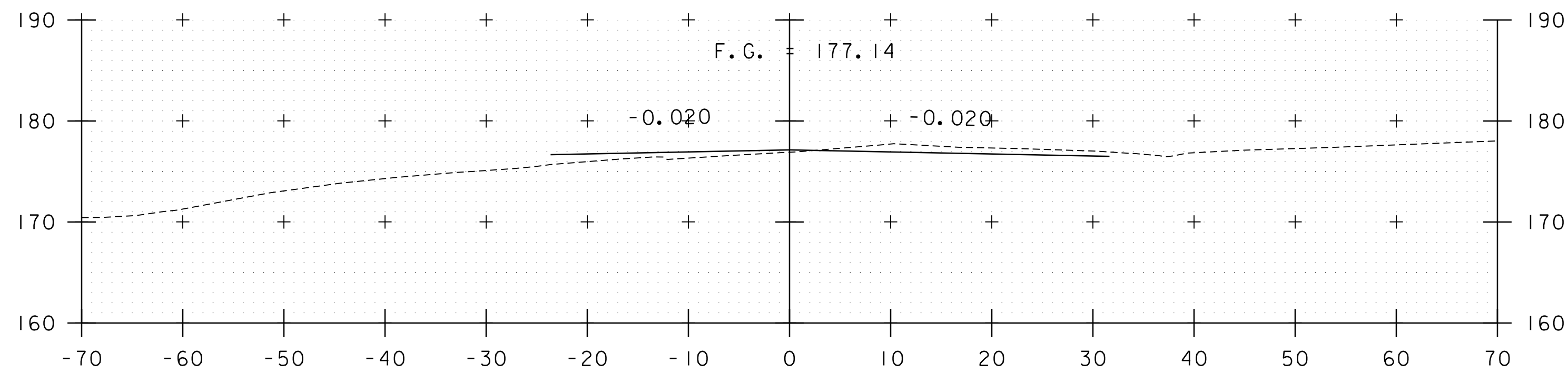
51+25

STA. 51+25 TO STA. 52+25

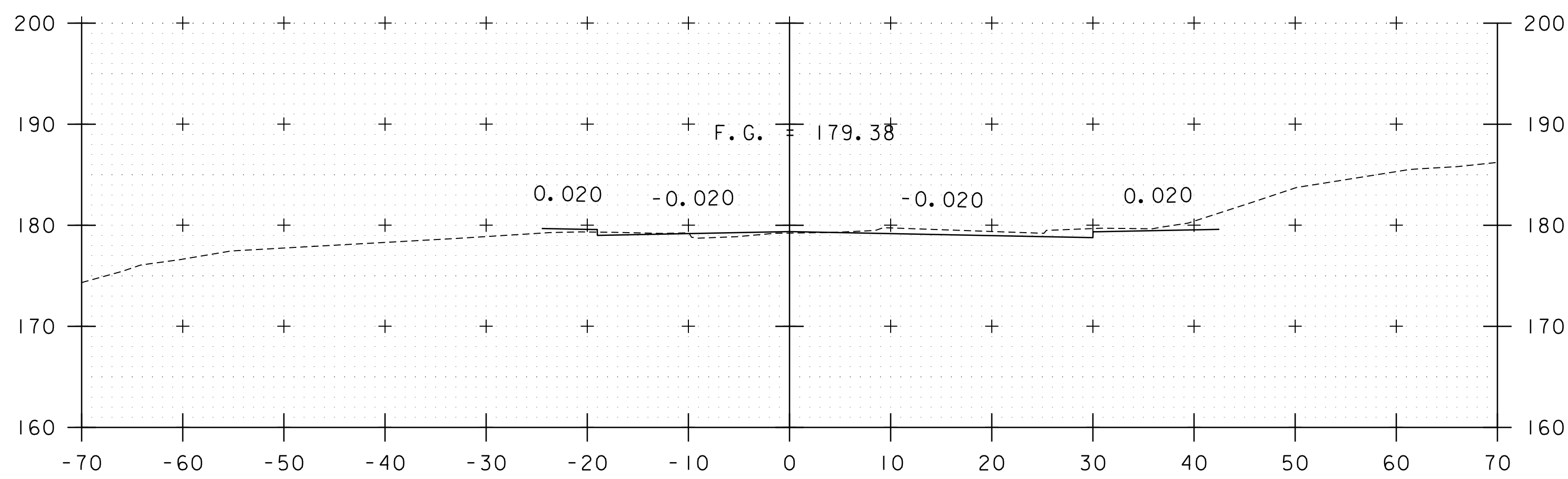
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION 4	SHEET 28 OF 46



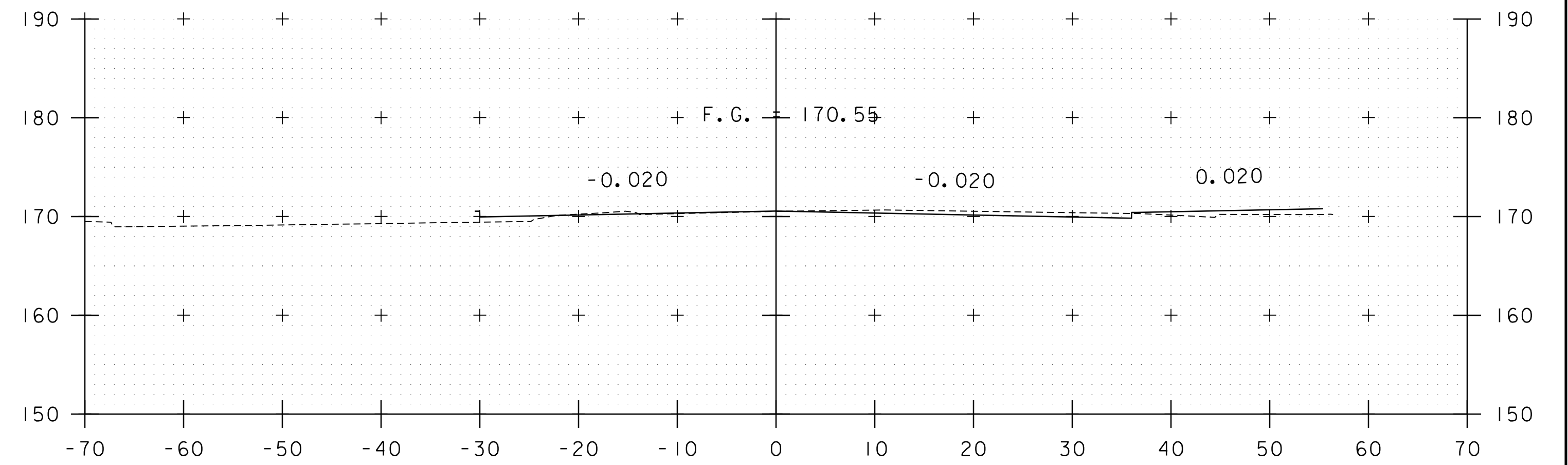
53+00



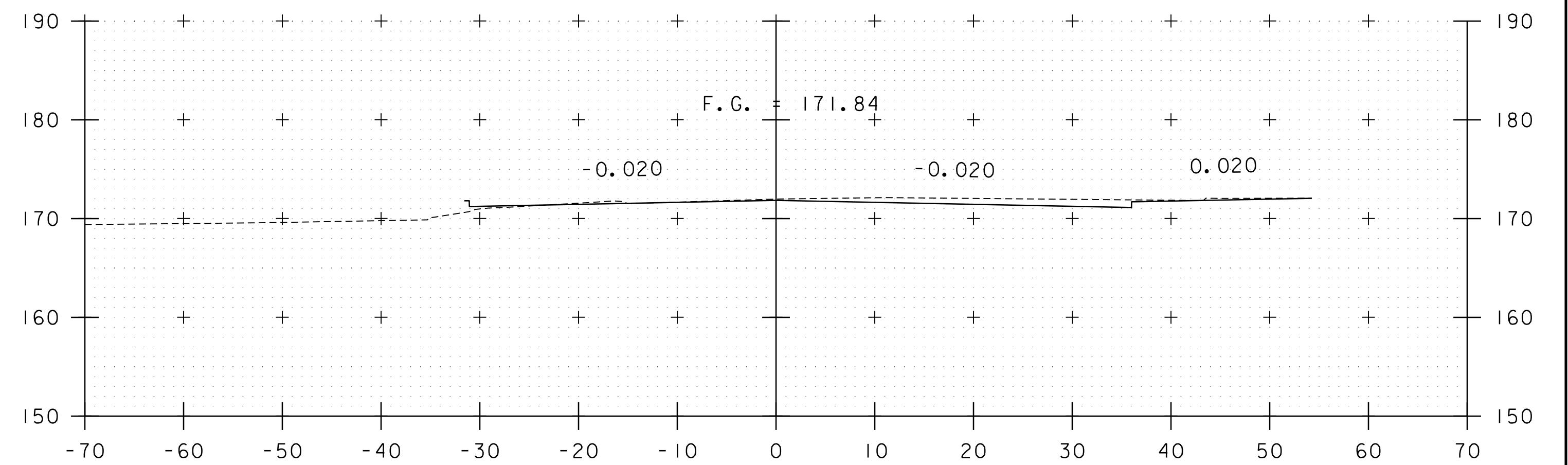
52+75



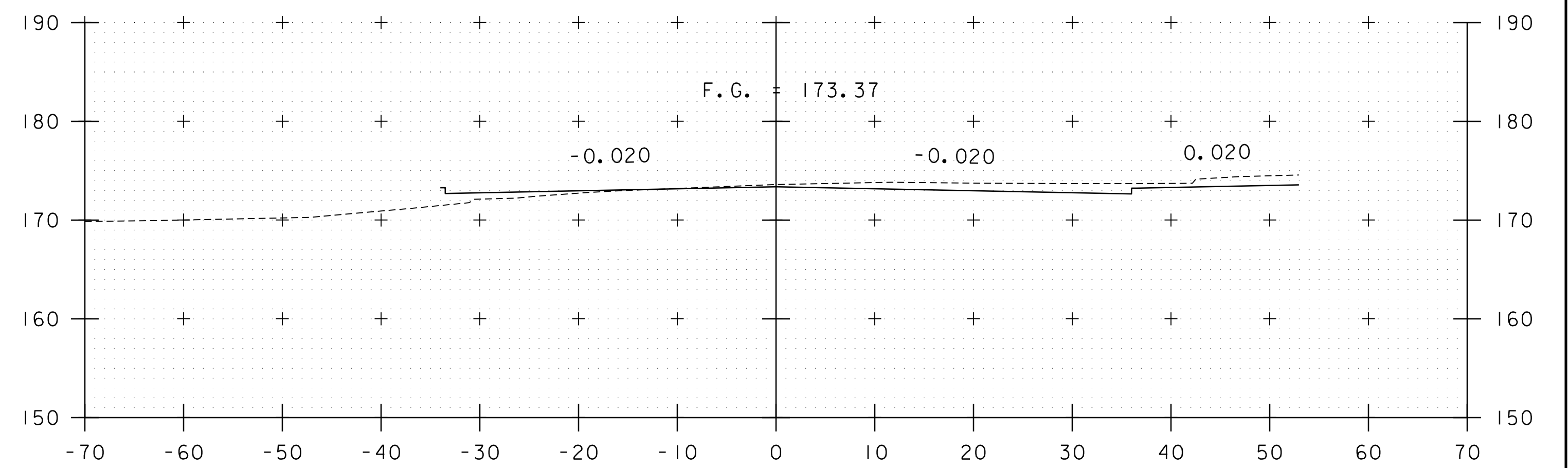
52+50



53+75



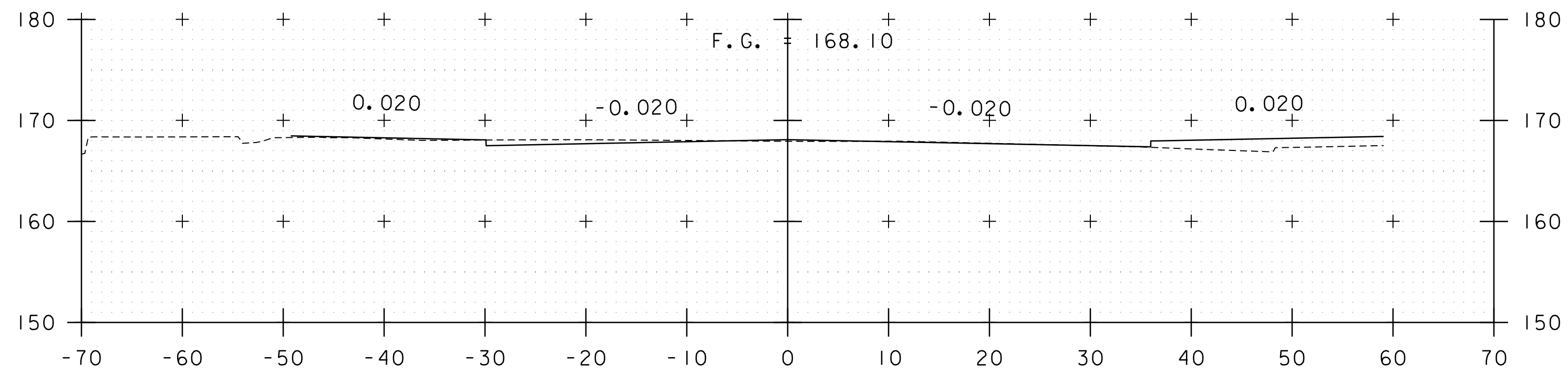
53+50



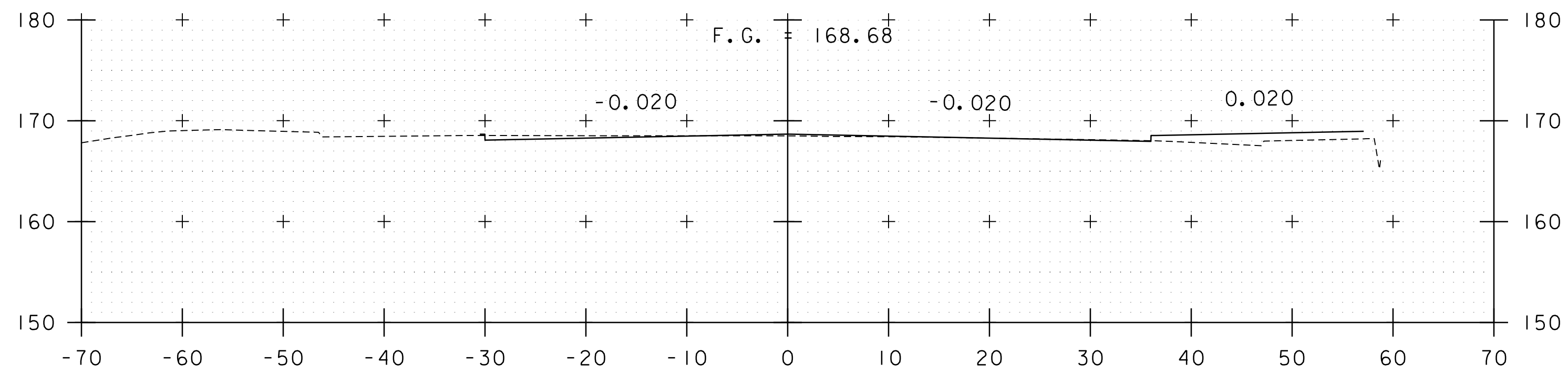
53+25

STA. 52+50 TO STA. 53+75

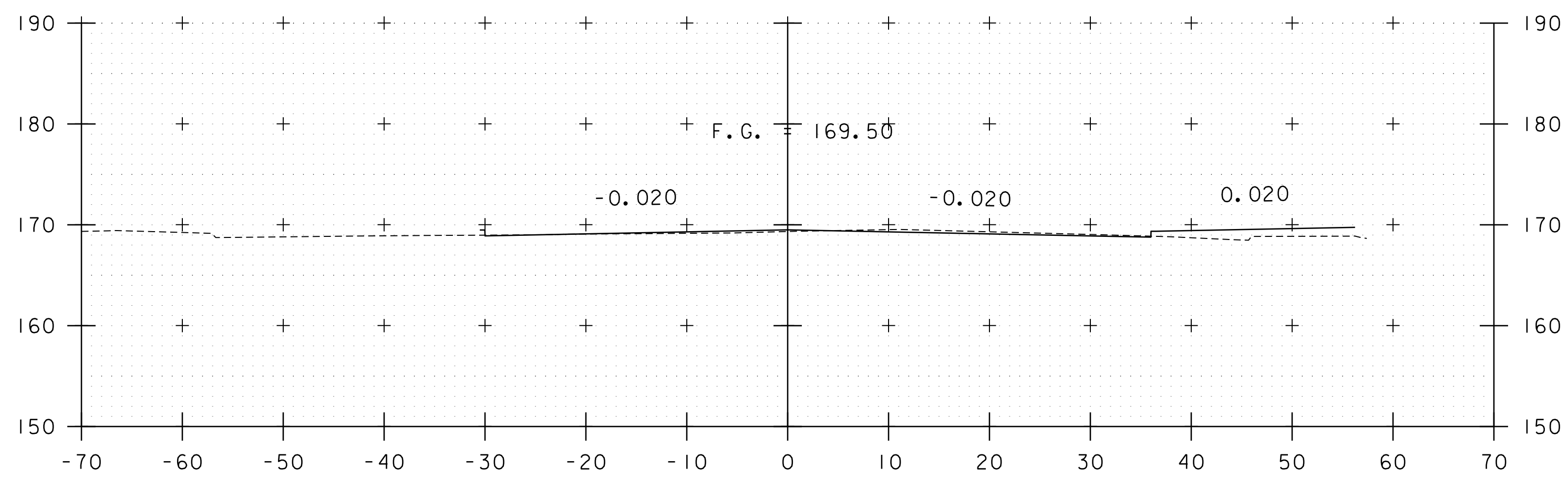
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION 5	SHEET 29 OF 46



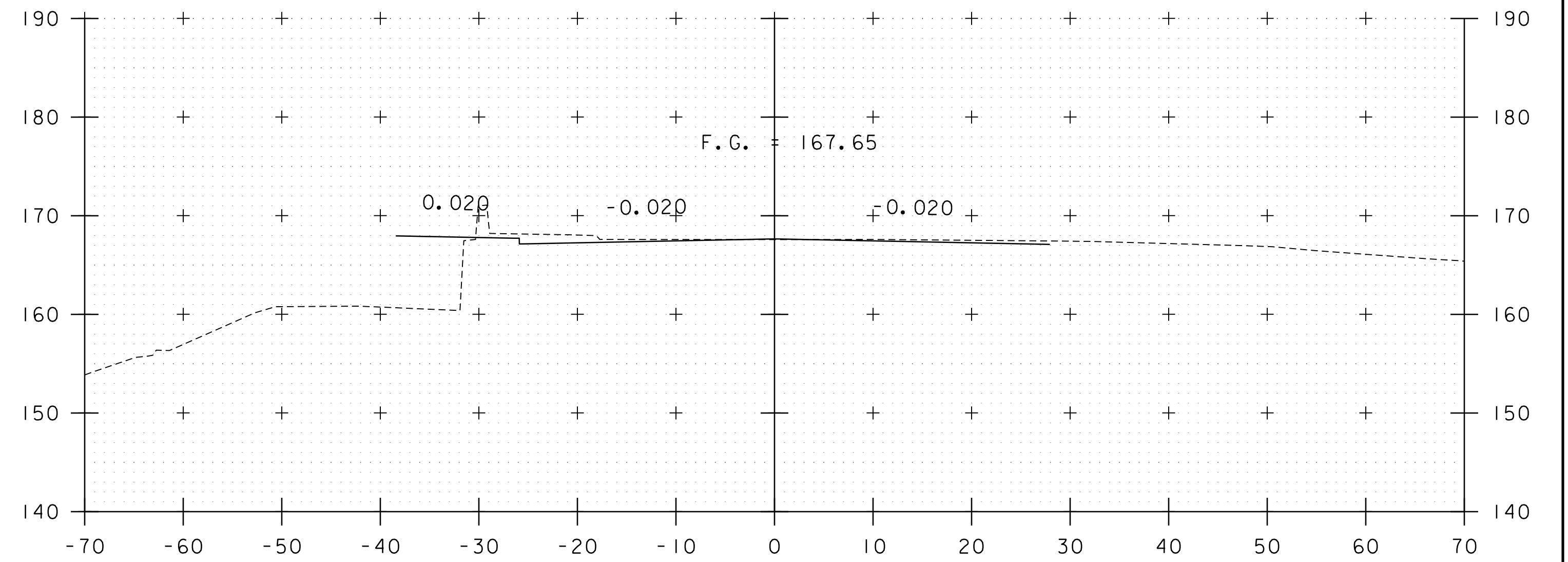
54+50



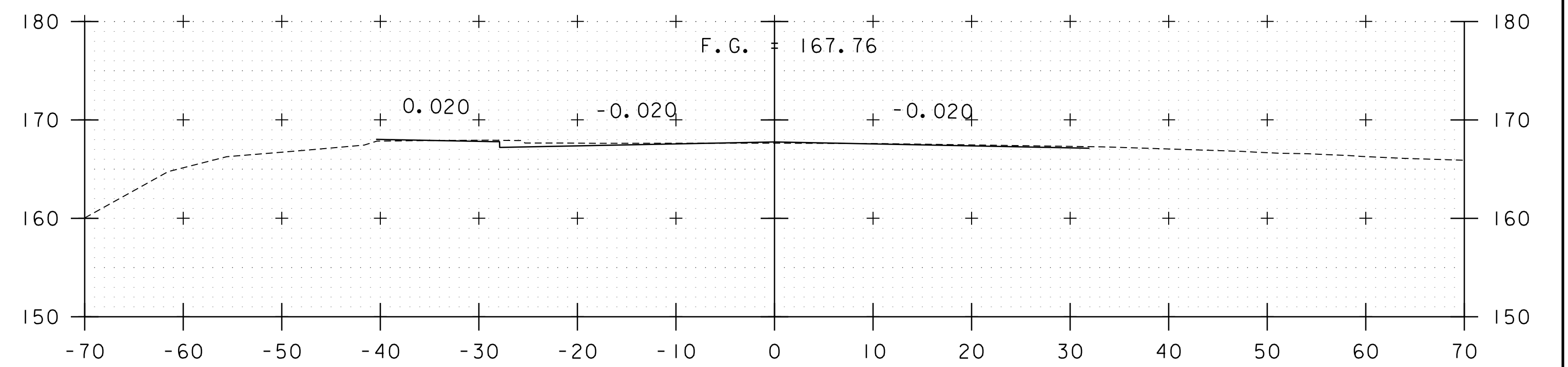
54+25



54+00



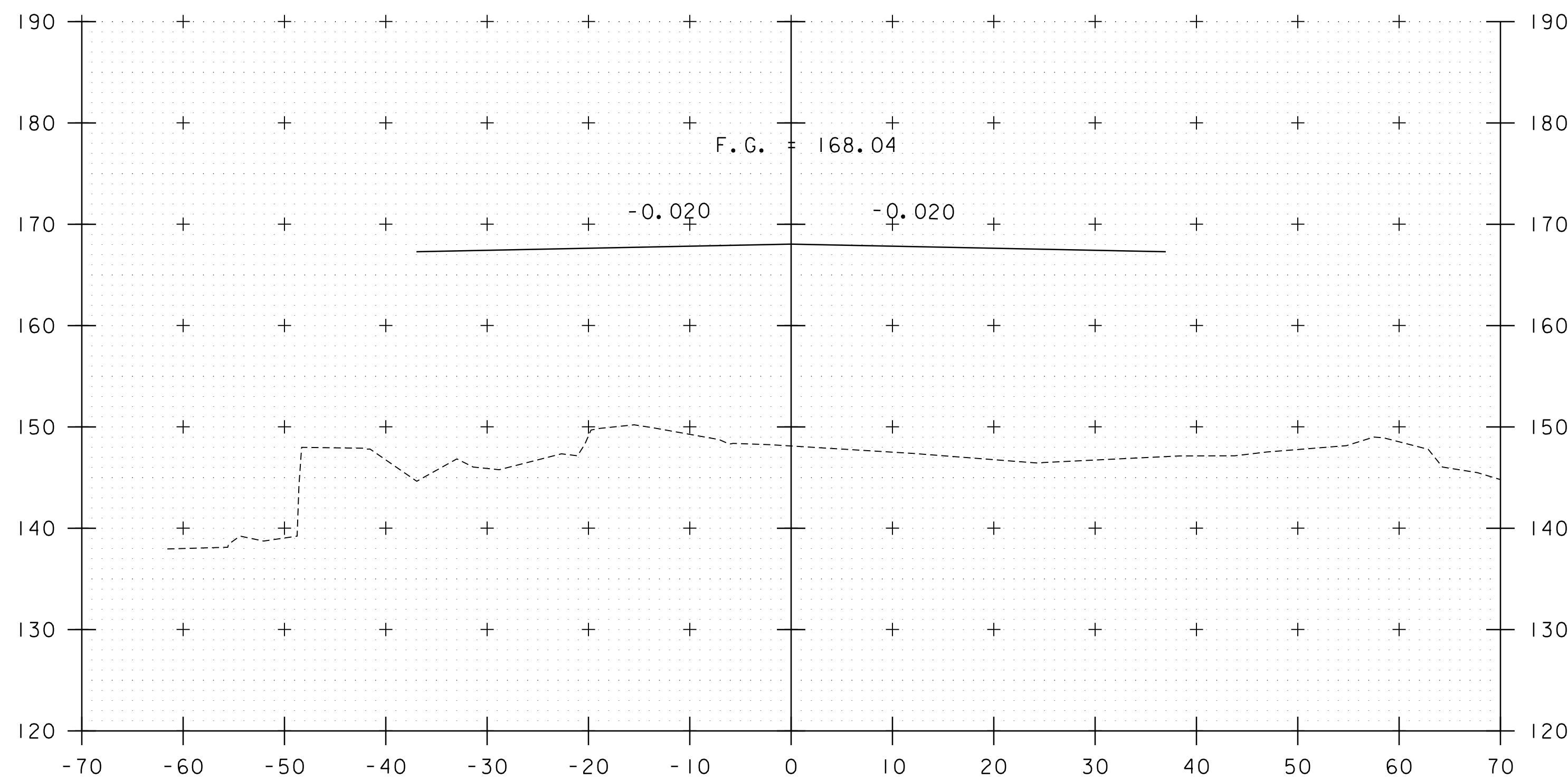
55+00



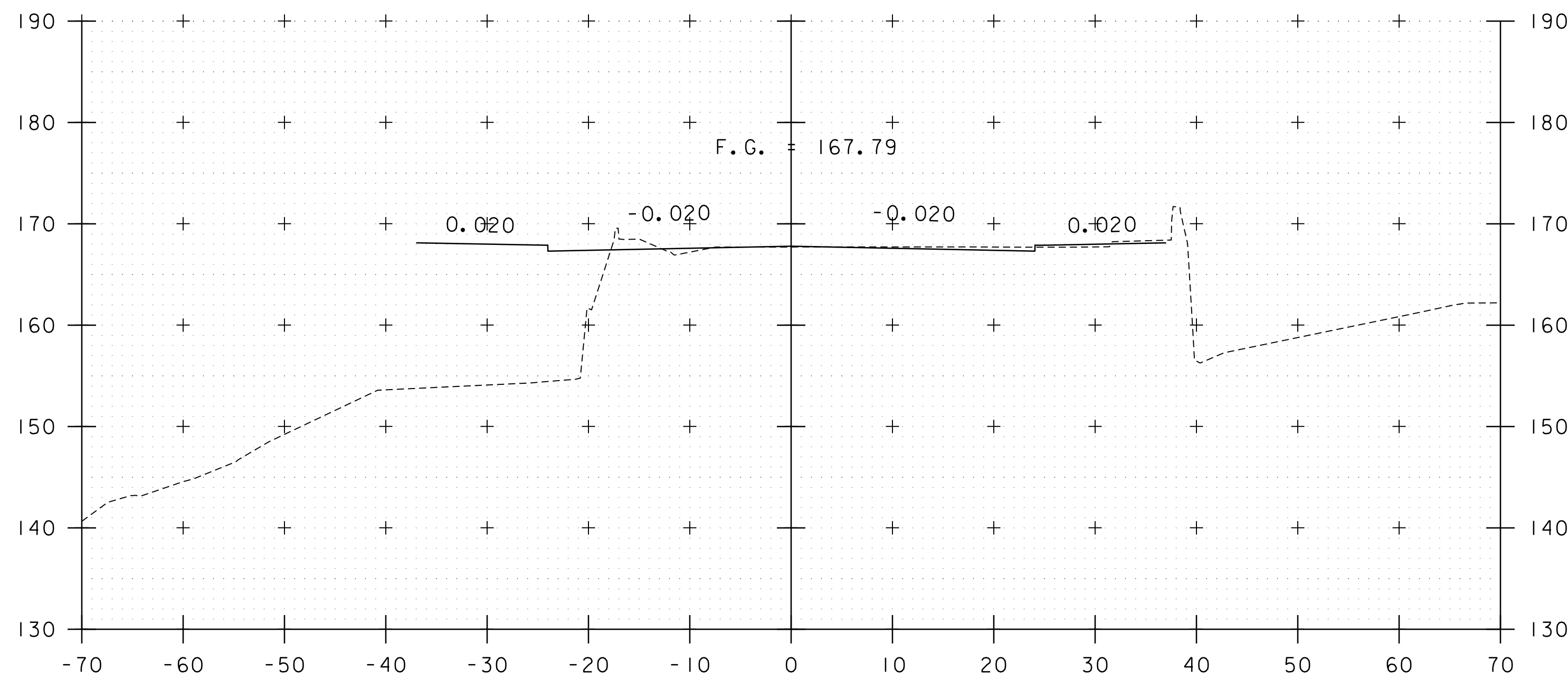
54+75

STA. 54+00 TO STA. 55+00

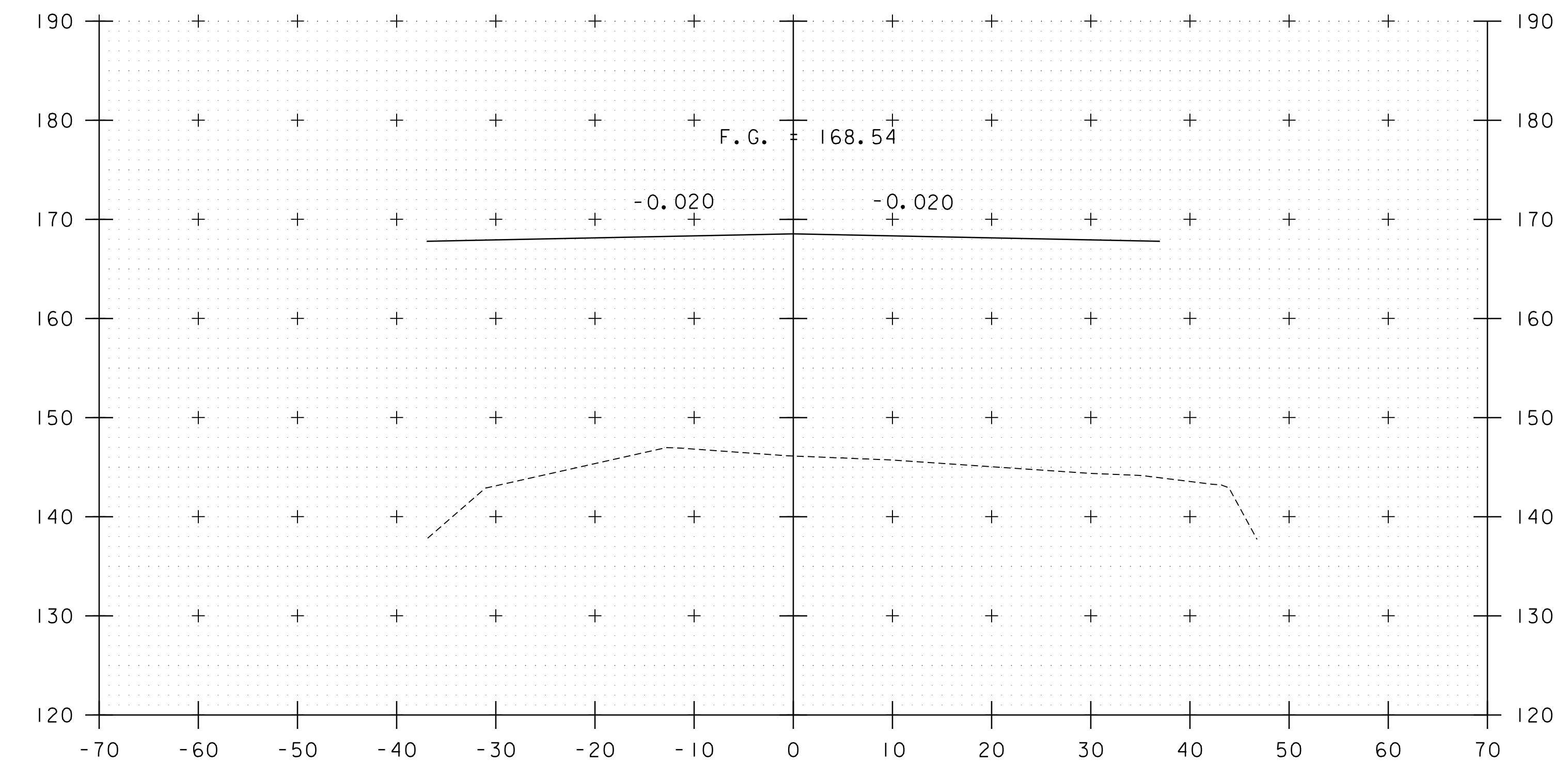
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME: z22j35ixs.Colchester_Main.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
COLCHESTER & MAIN CROSS SECTION 6	SHEET 30 OF 46



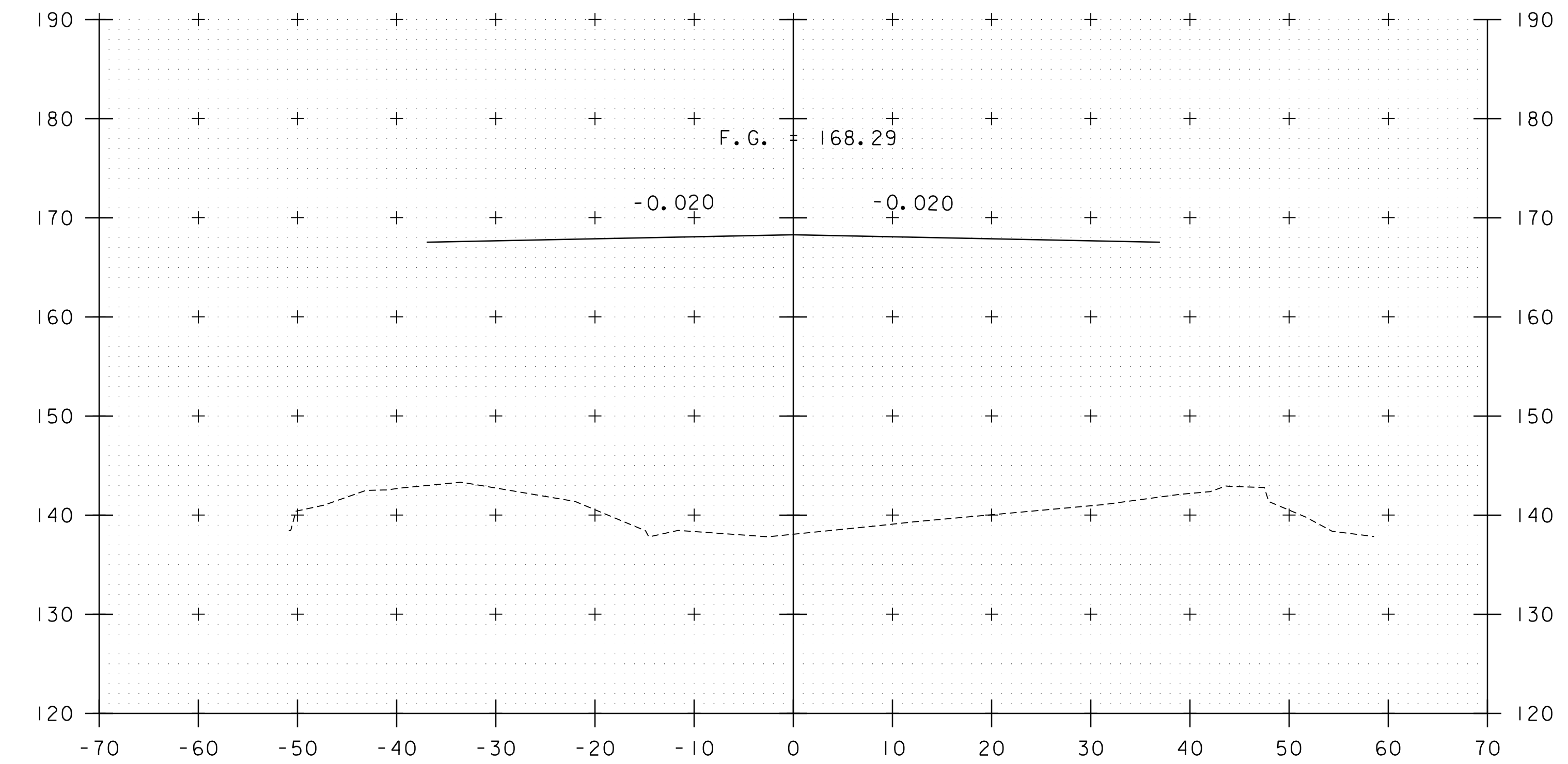
55+50
 BEGIN BRIDGE
 STA 55+46



55+25
 END PROJECT/BEGIN PROJECT
 STA 55+15



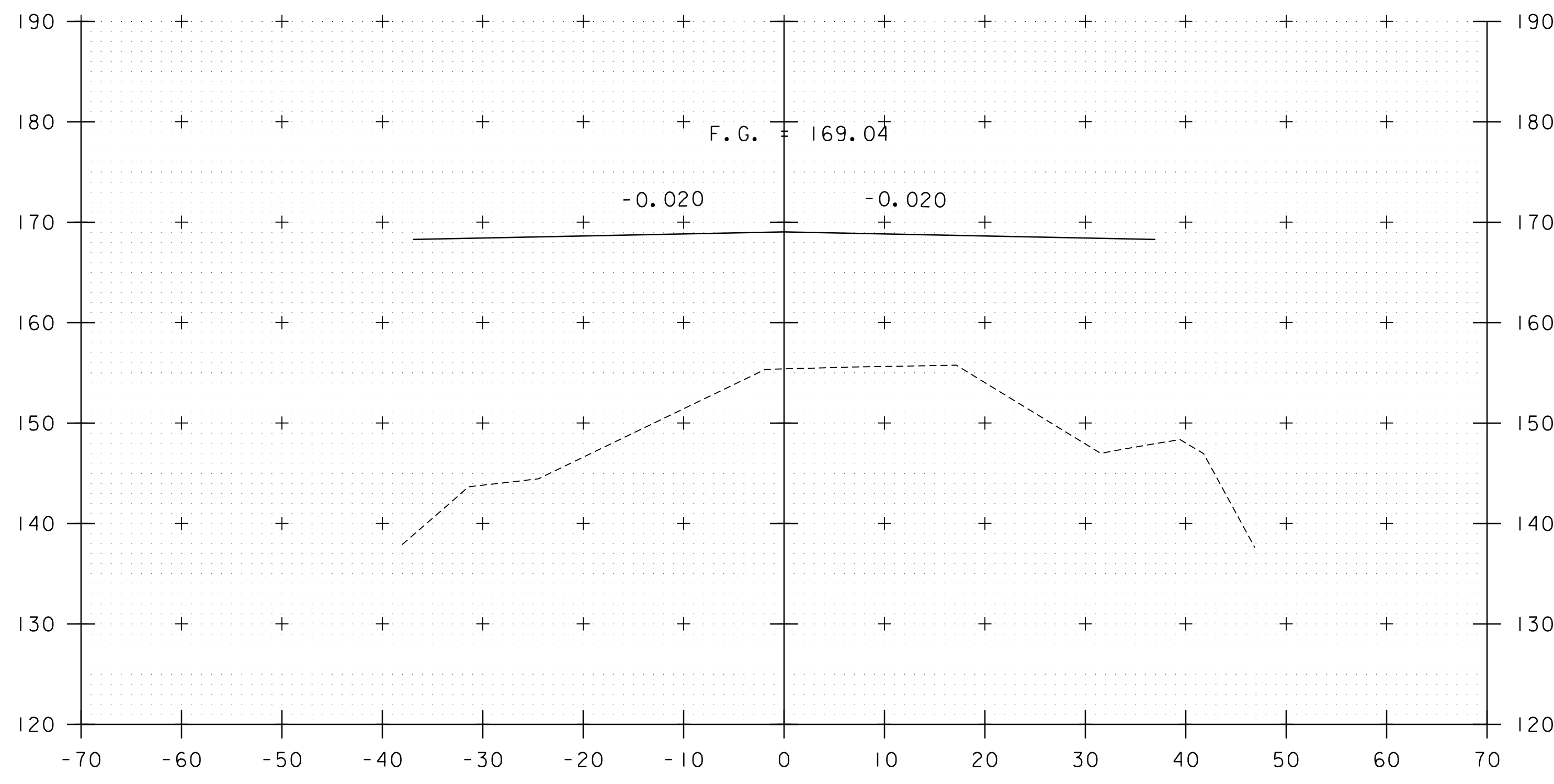
56+00



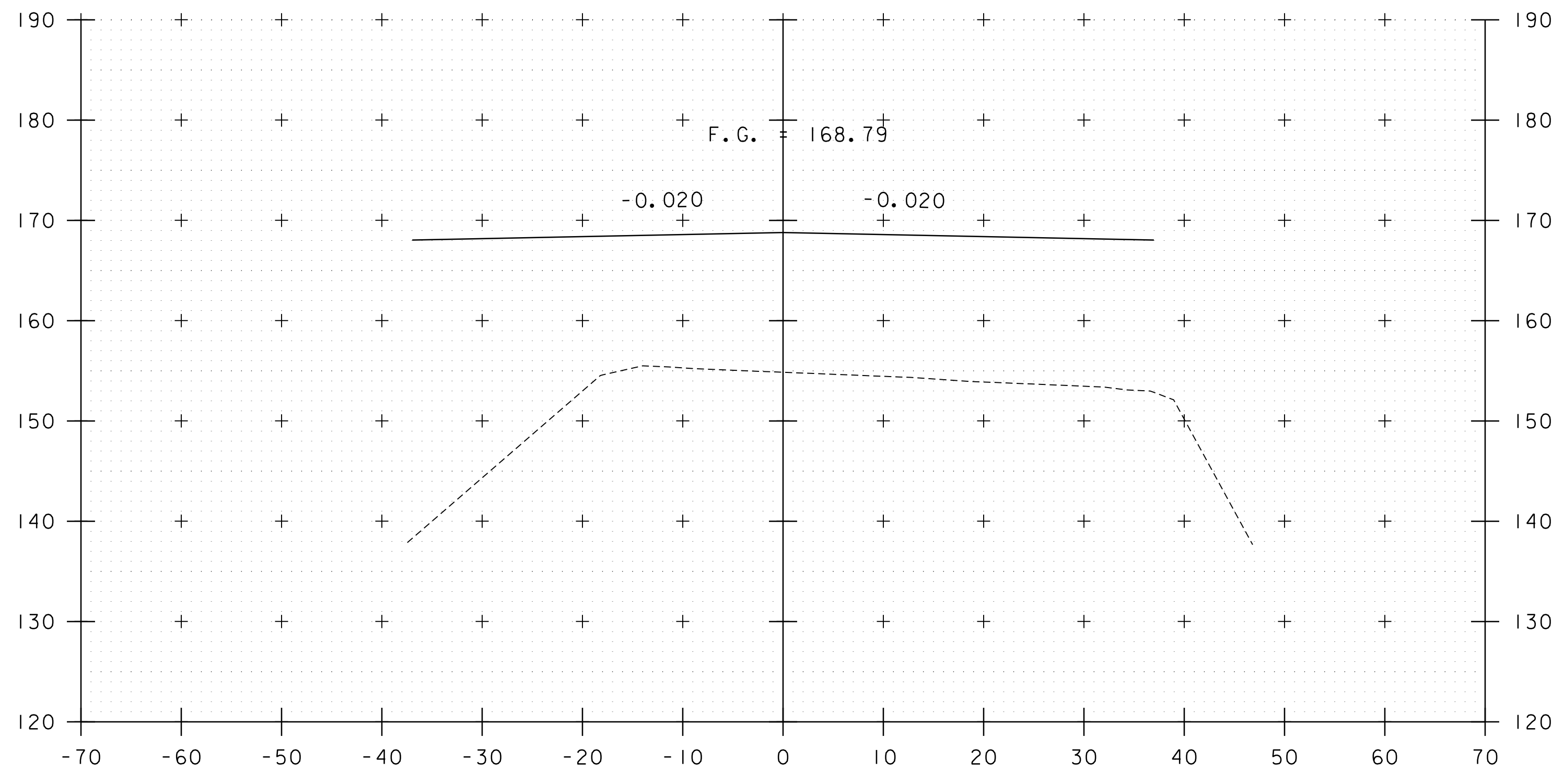
55+75

STA. 55+25 TO STA. 56+00

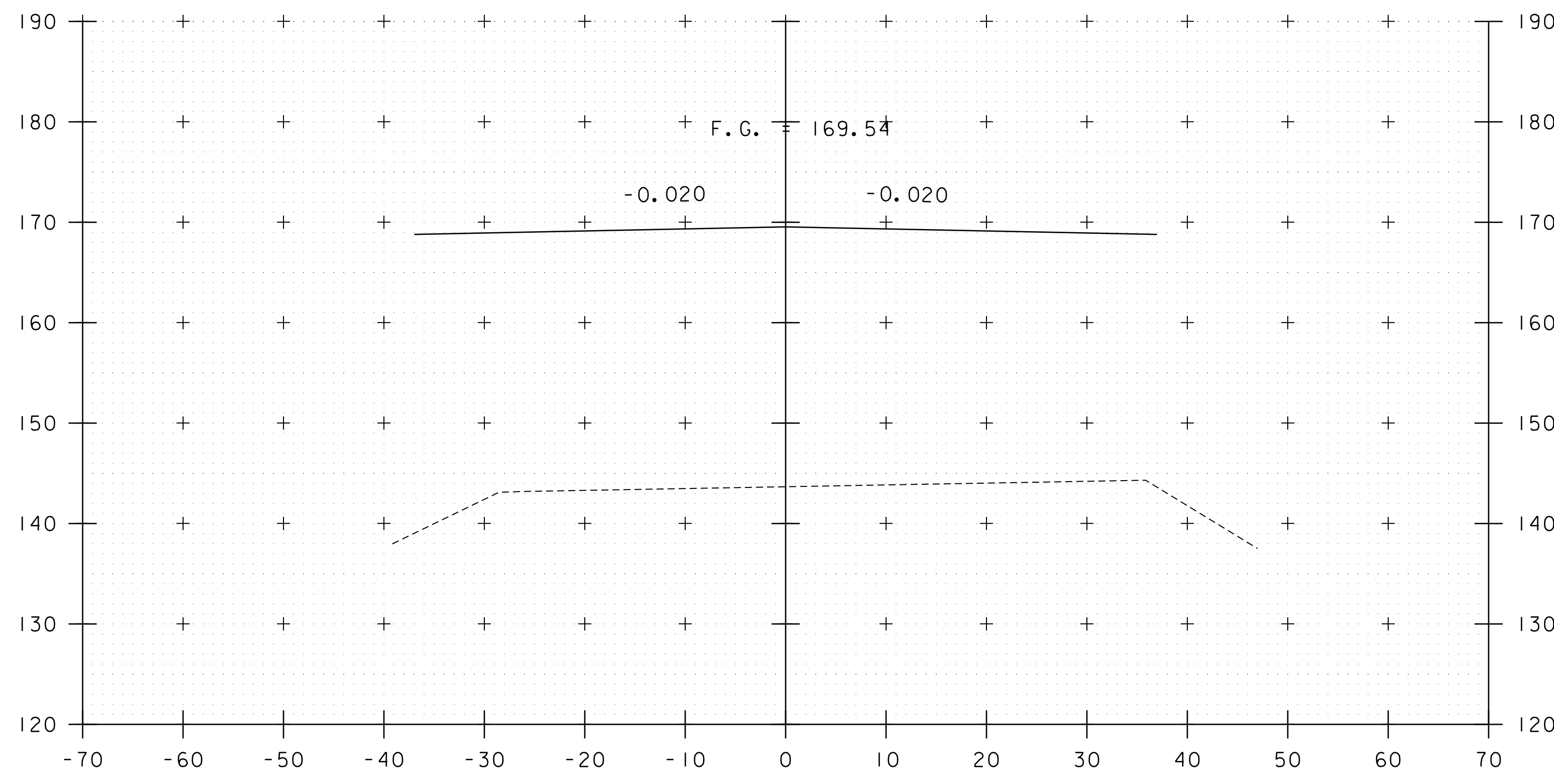
PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35ixs.Colchester_Main.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
COLCHESTER & MAIN CROSS SECTION 7	SHEET 31 OF 46



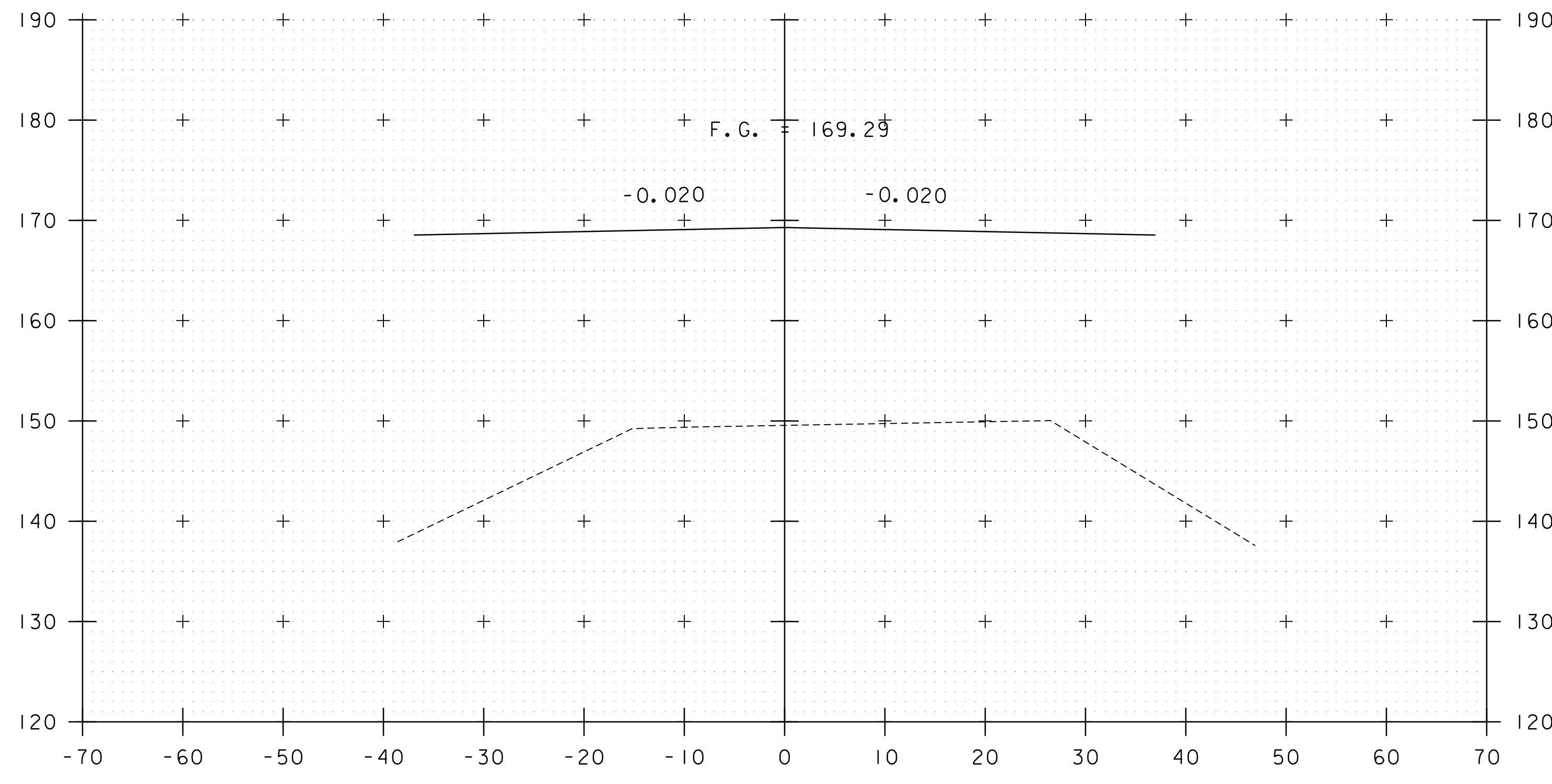
56+50



56+25



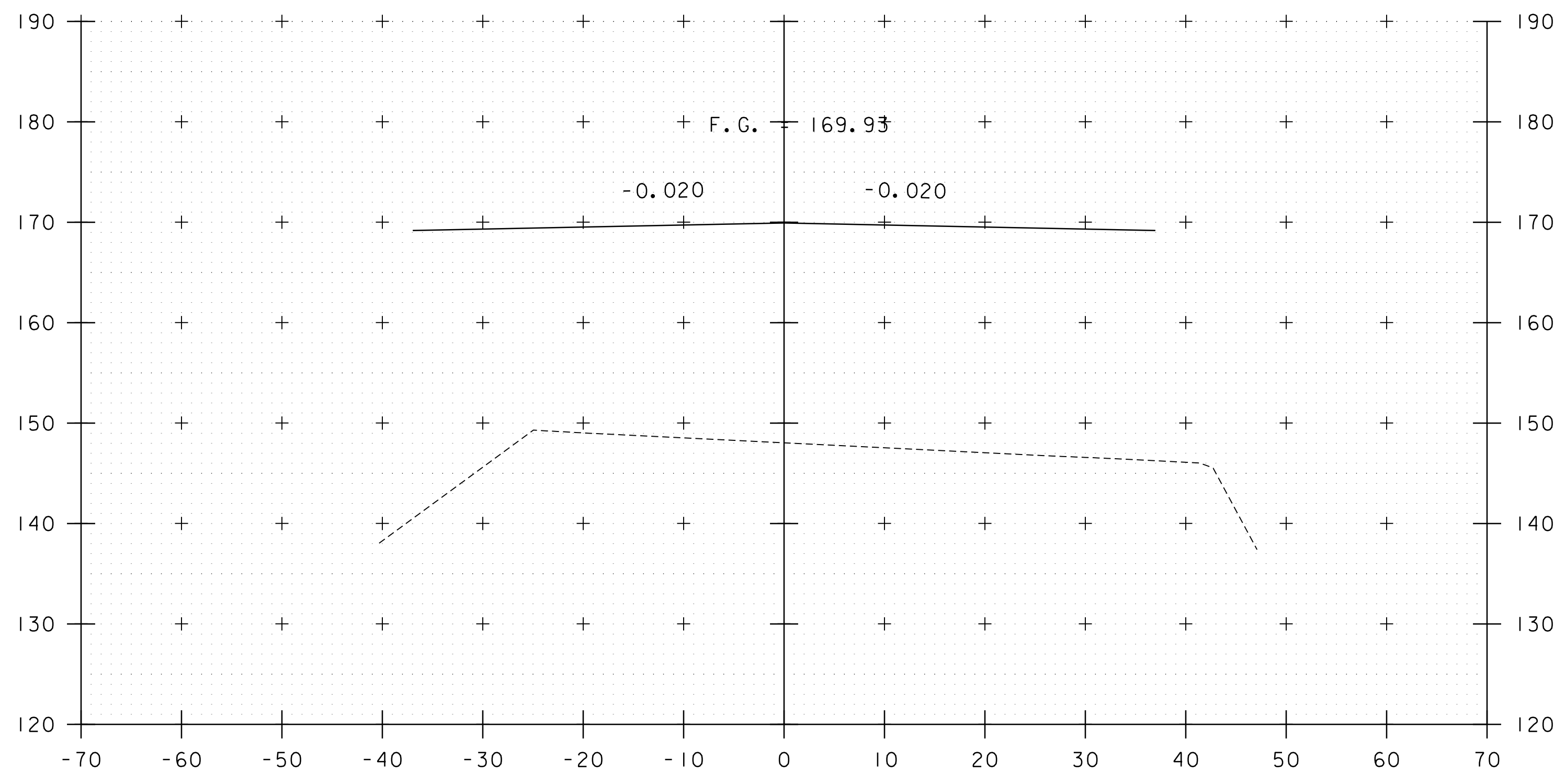
57+00



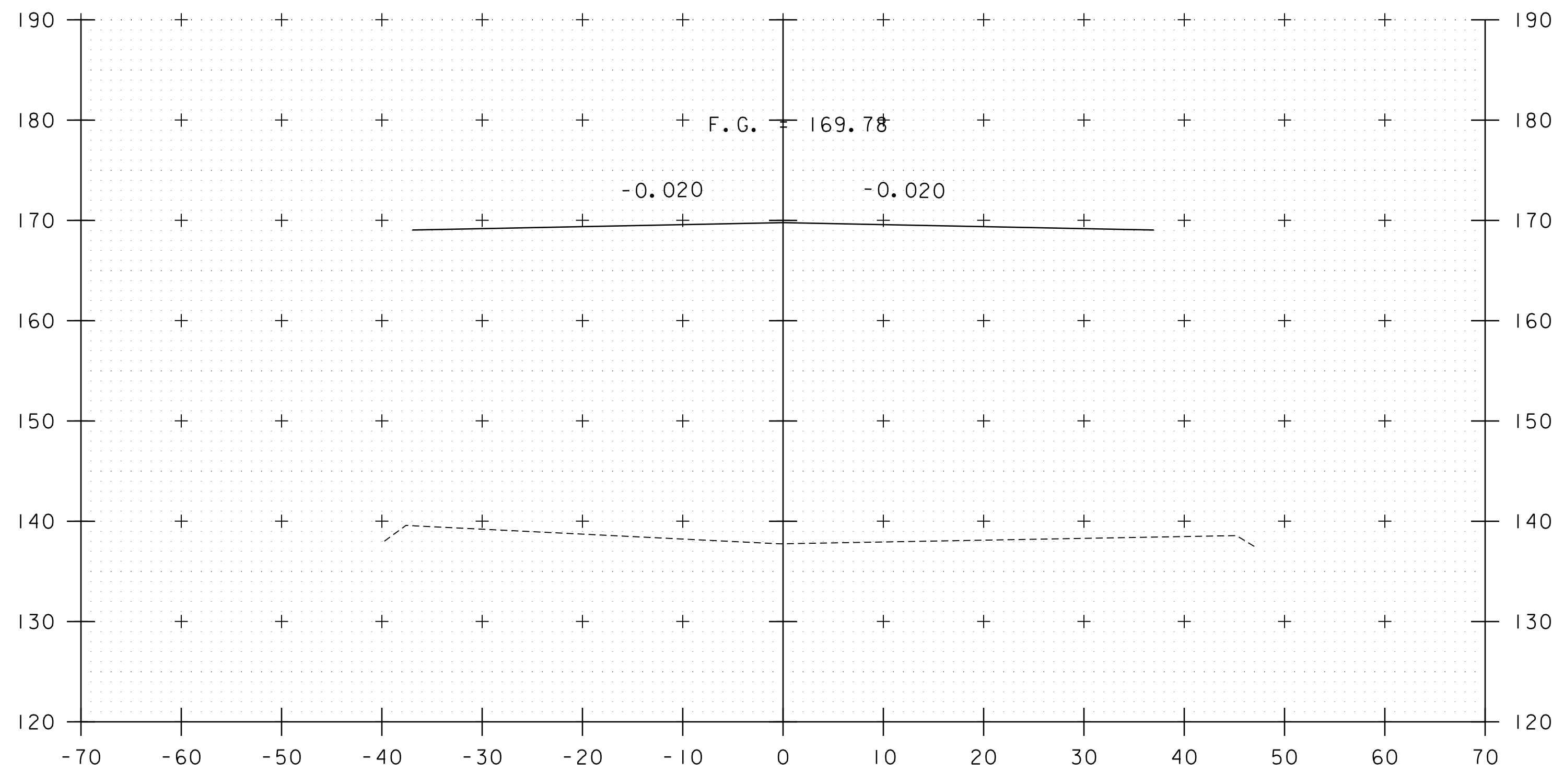
56+75

STA. 56+25 TO STA. 57+00

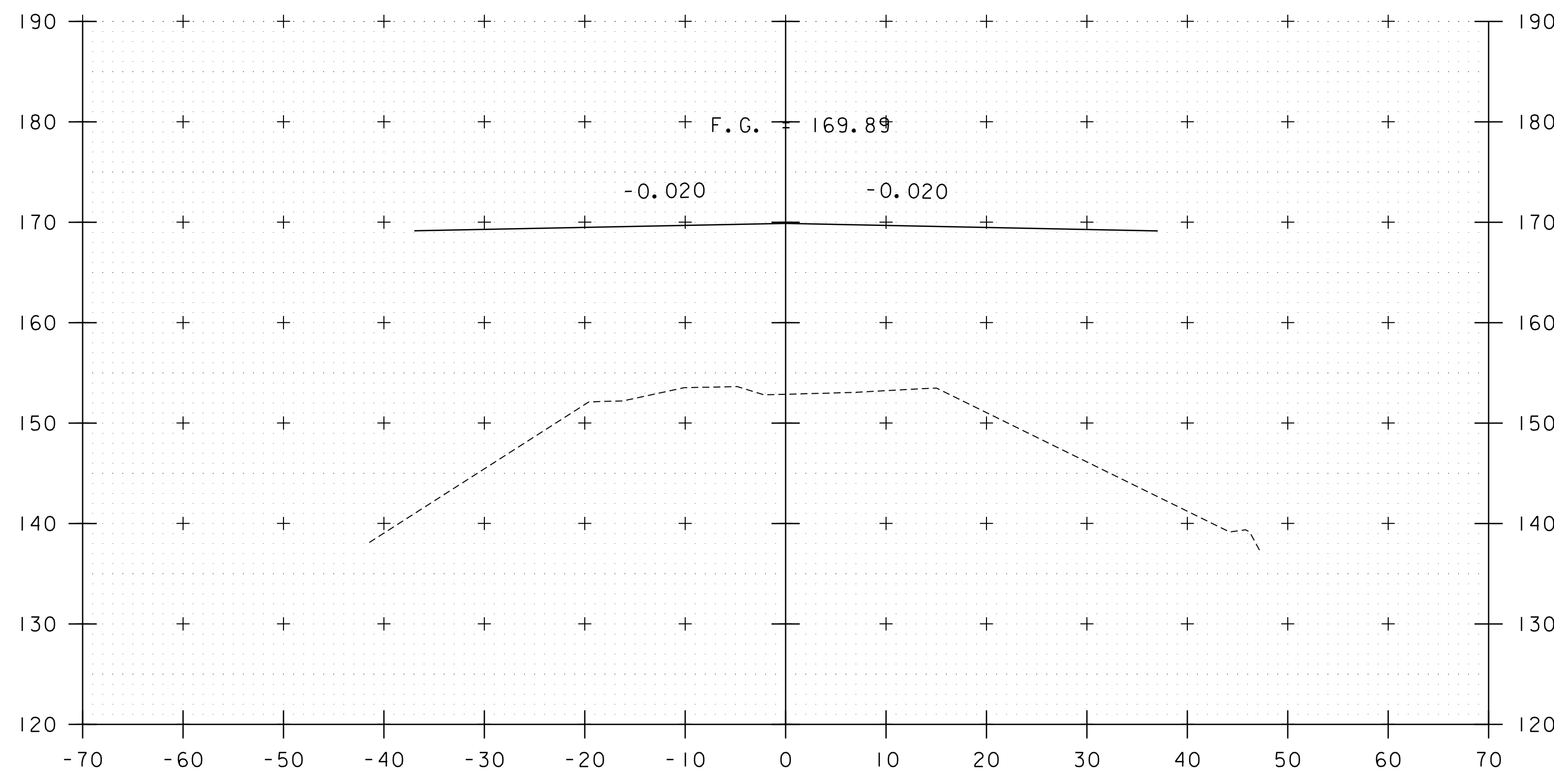
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION 8	SHEET 32 OF 46



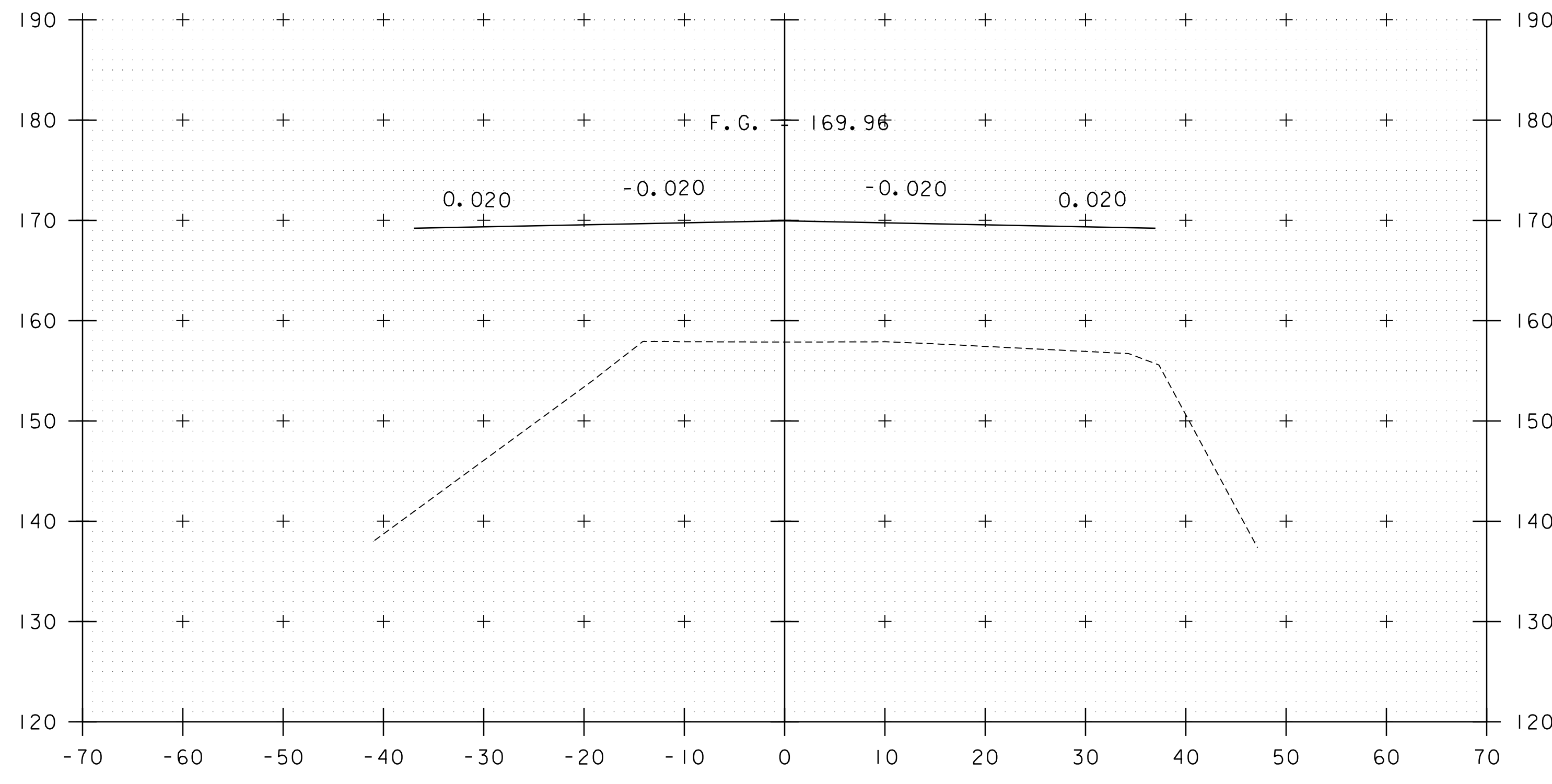
57+50



57+25



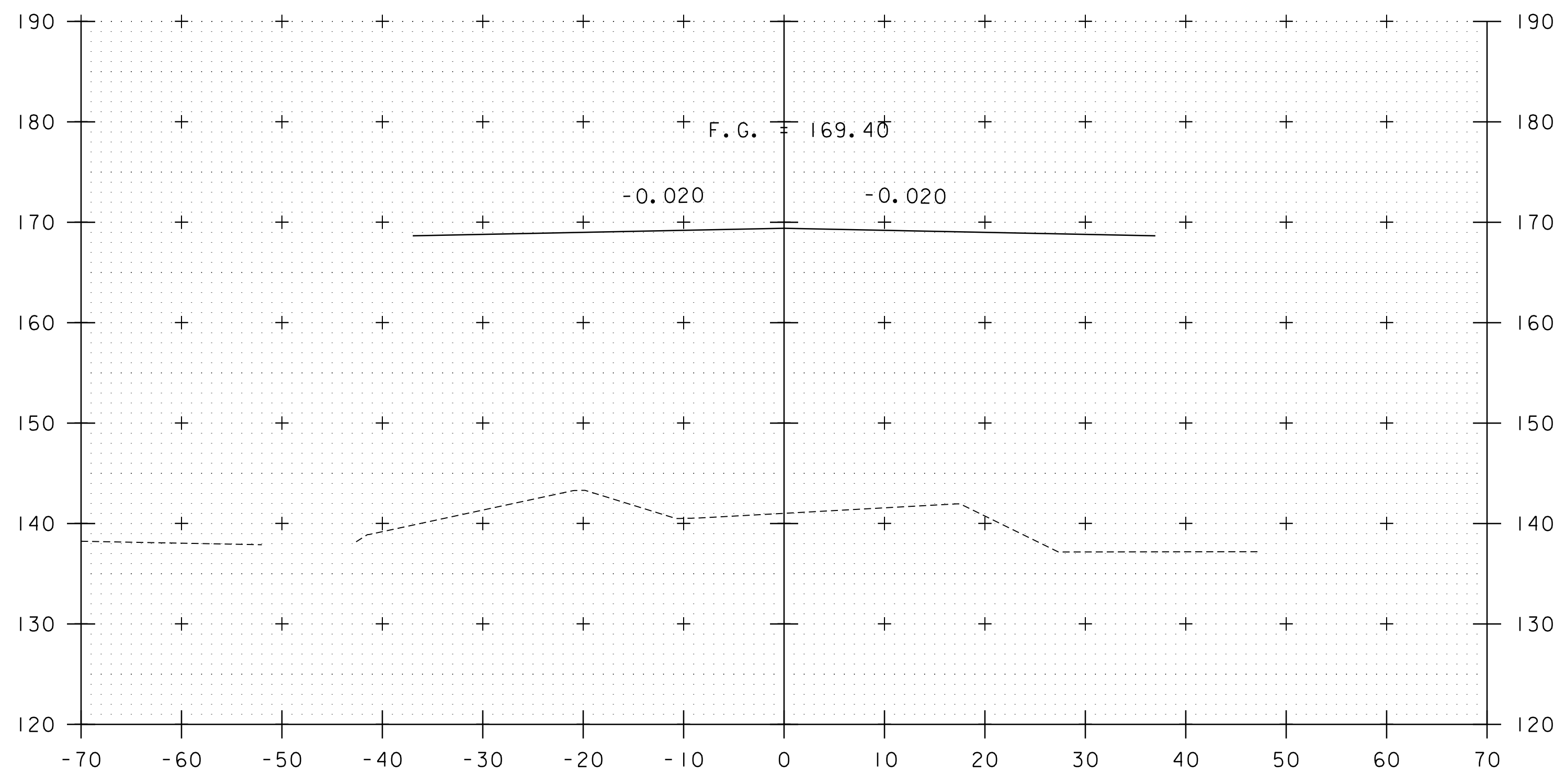
58+00



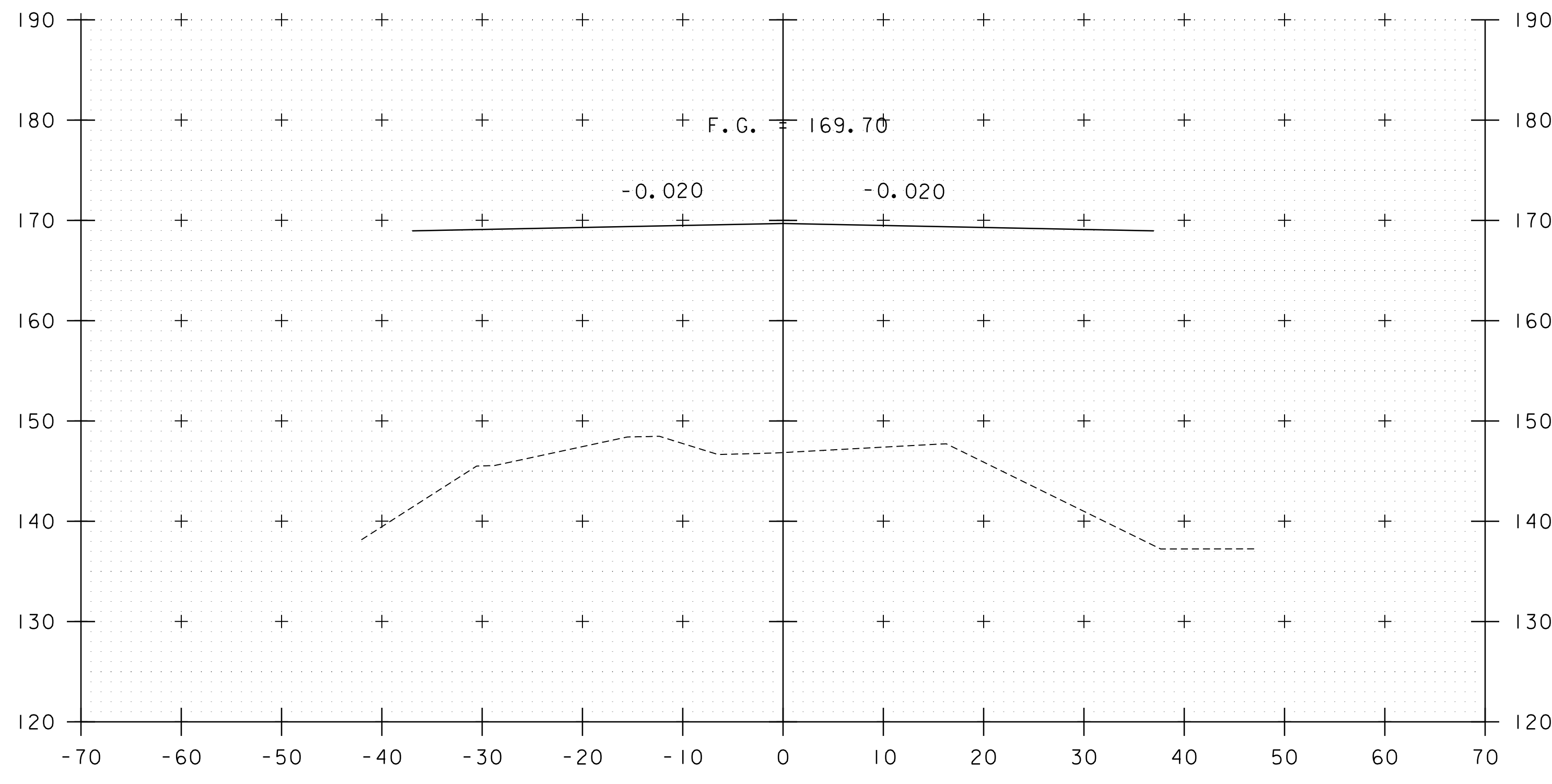
57+75

STA. 57+25 TO STA. 58+00

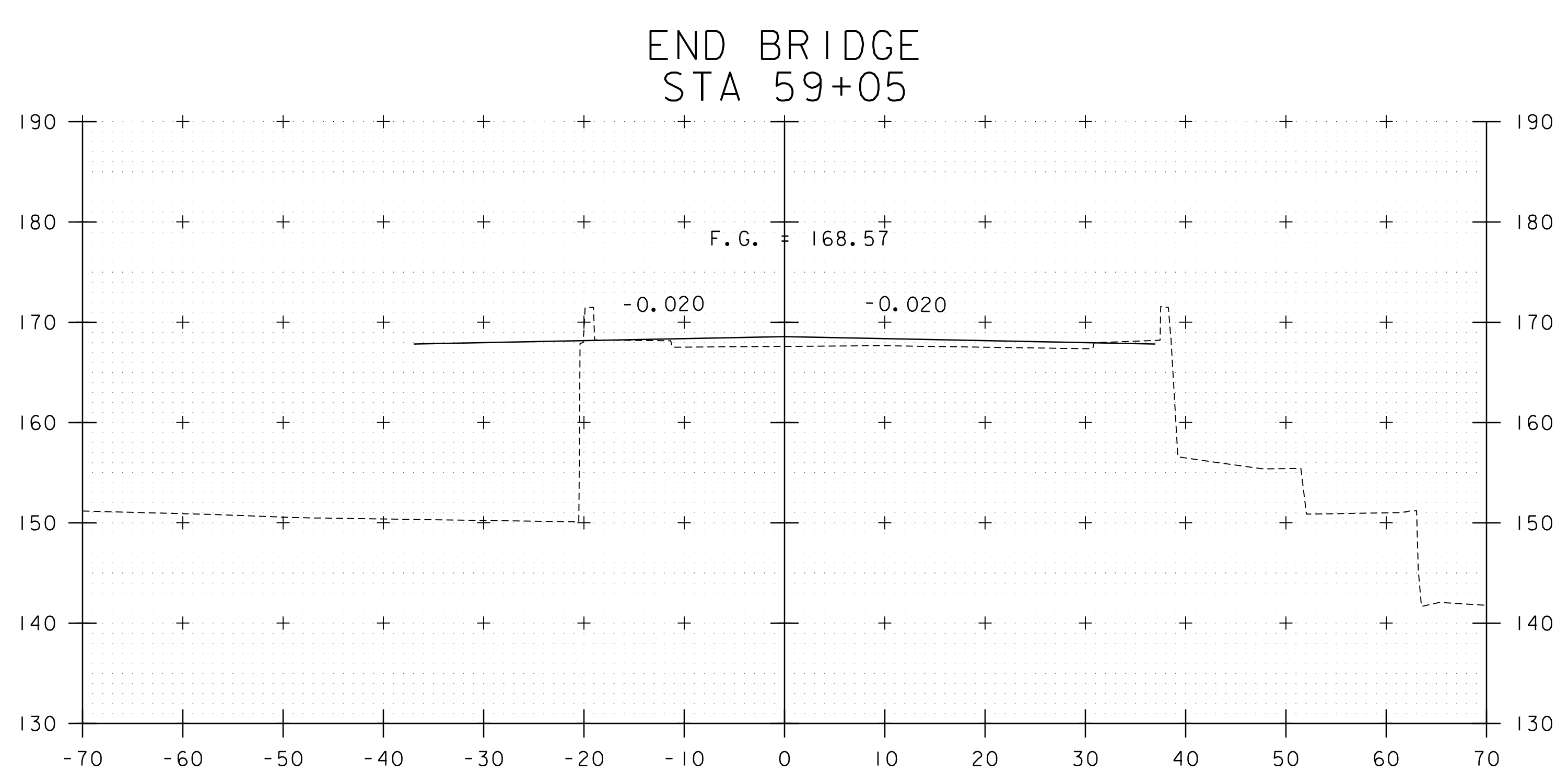
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME: z22j35ixs.Colchester_Main.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
COLCHESTER & MAIN CROSS SECTION 9	SHEET 33 OF 46



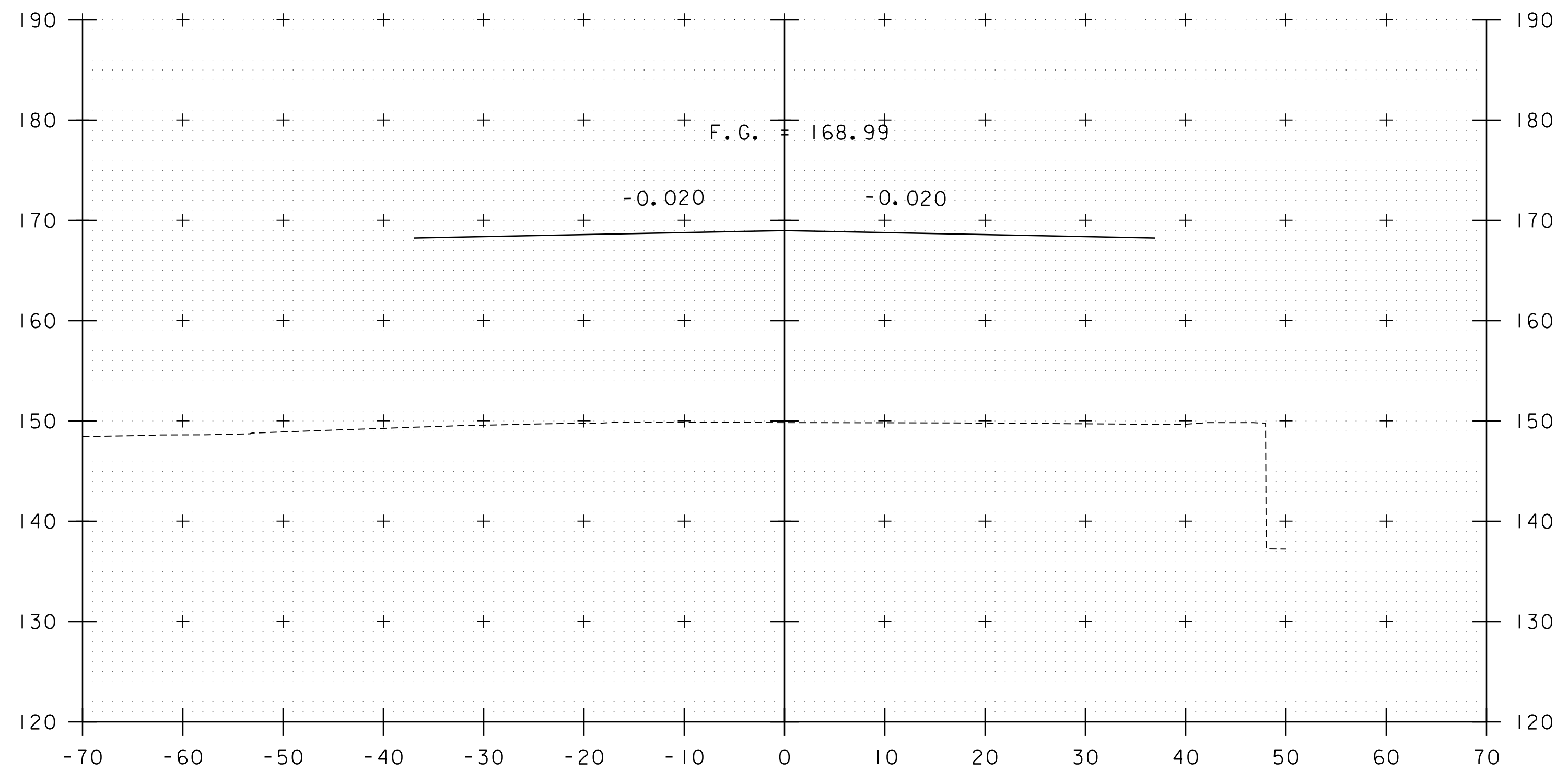
58+50



58+25



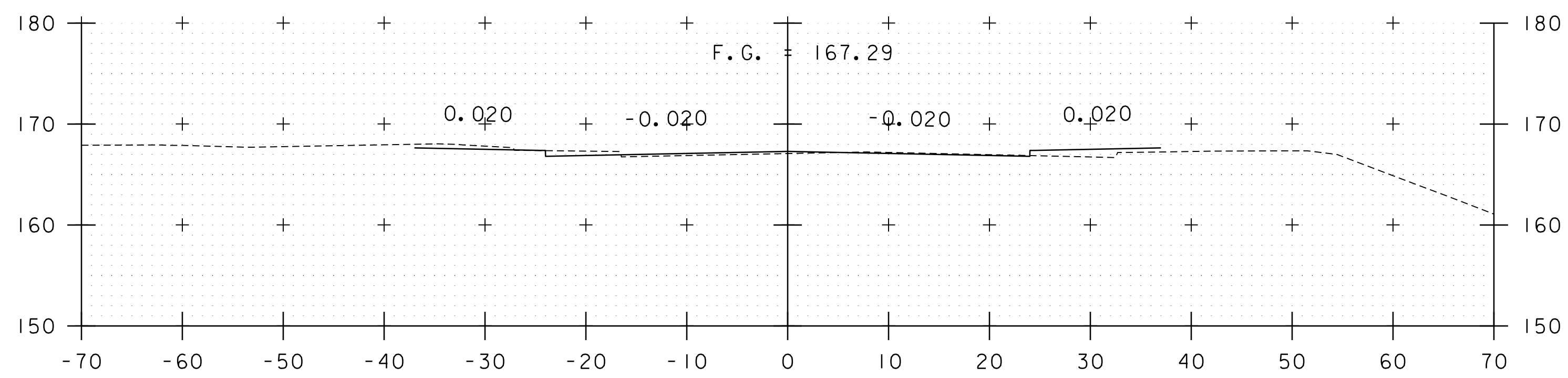
59+00



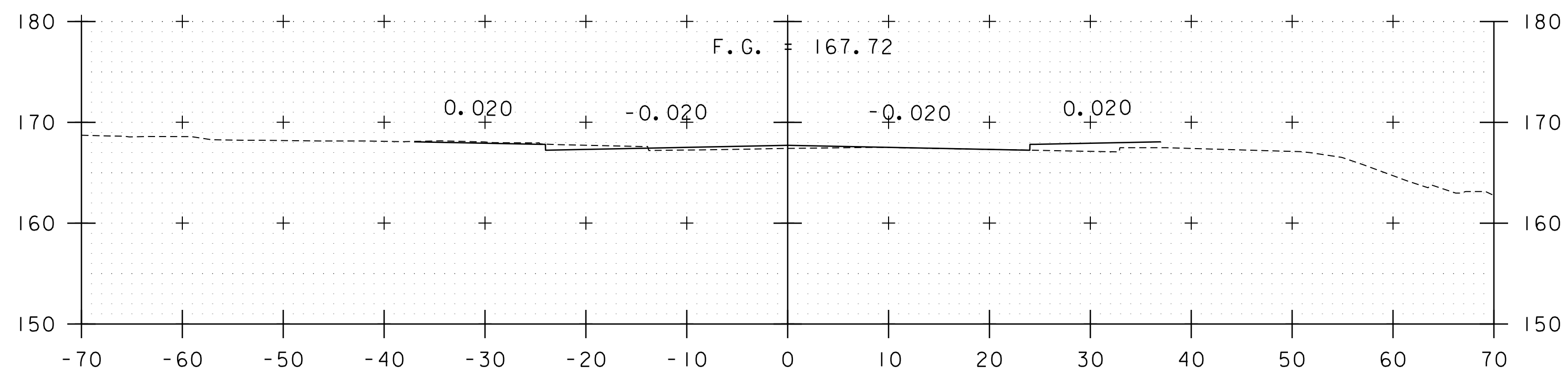
58+75

STA. 58+25 TO STA. 59+00

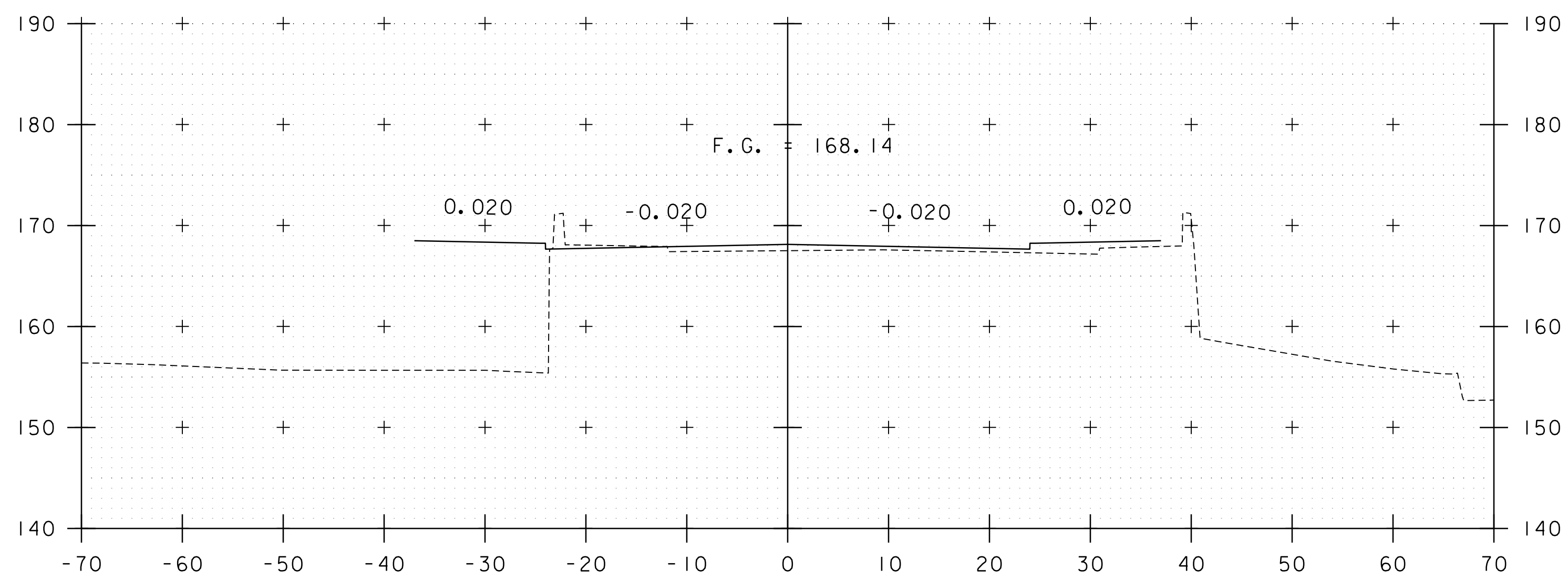
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION 10	SHEET 34 OF 46



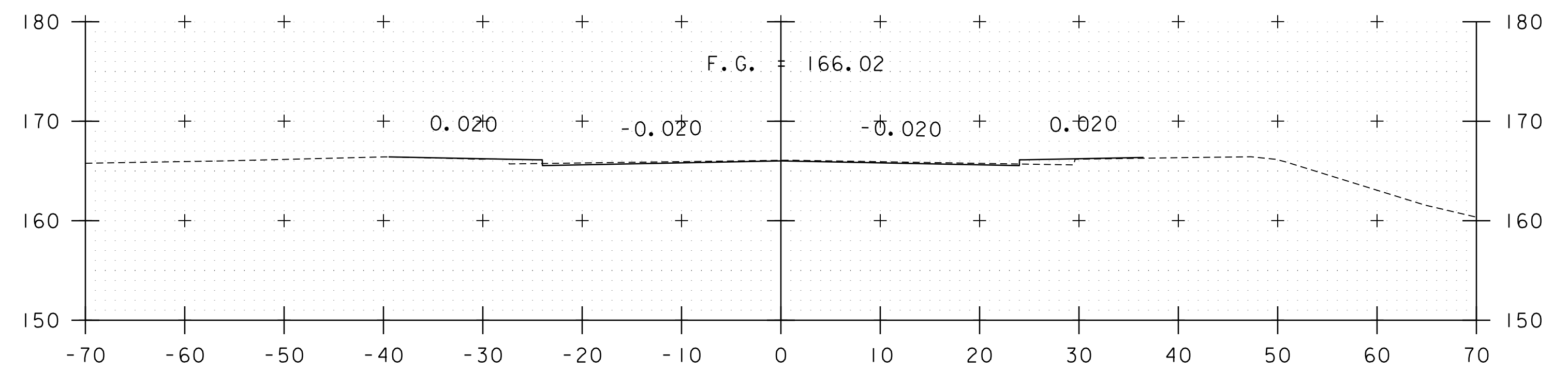
59+75



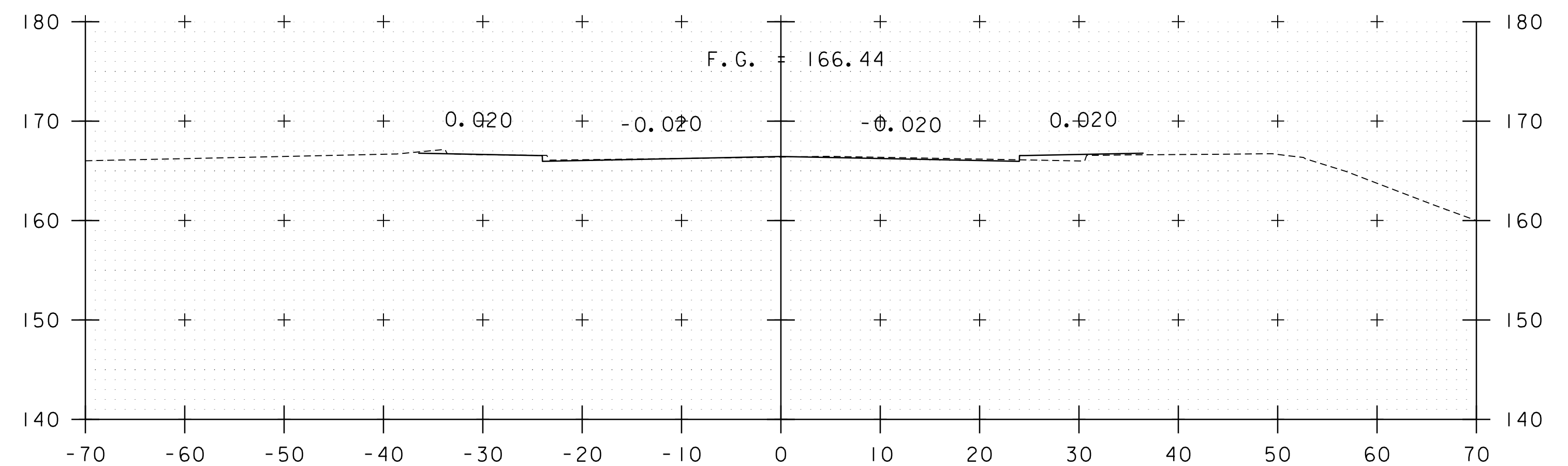
59+50



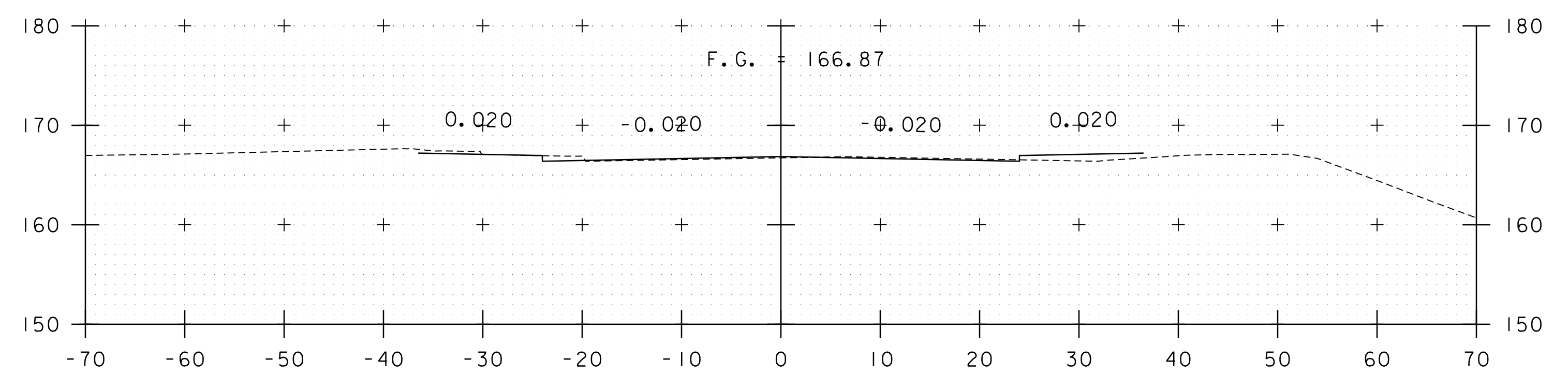
59+25



60+50



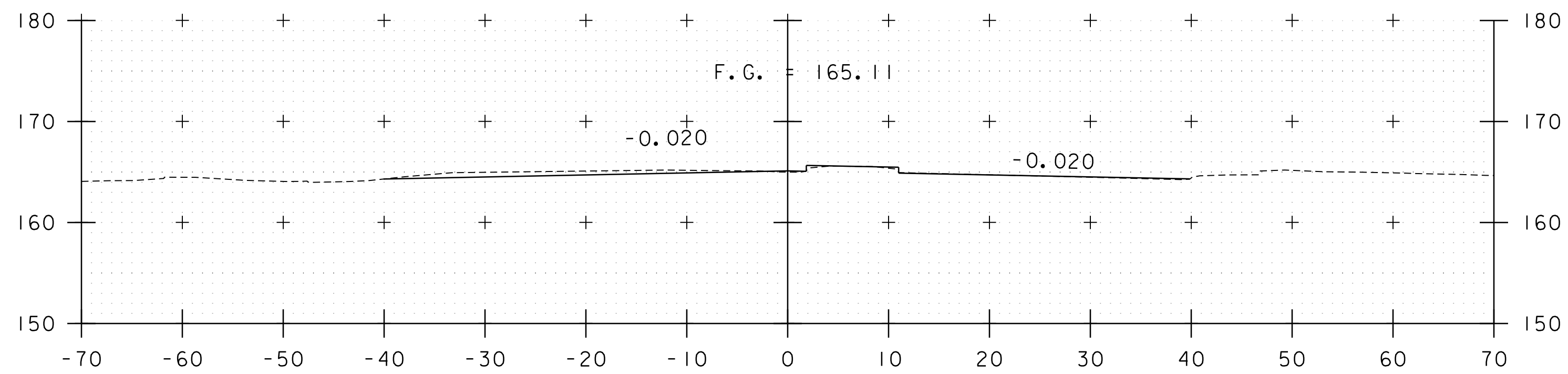
60+25



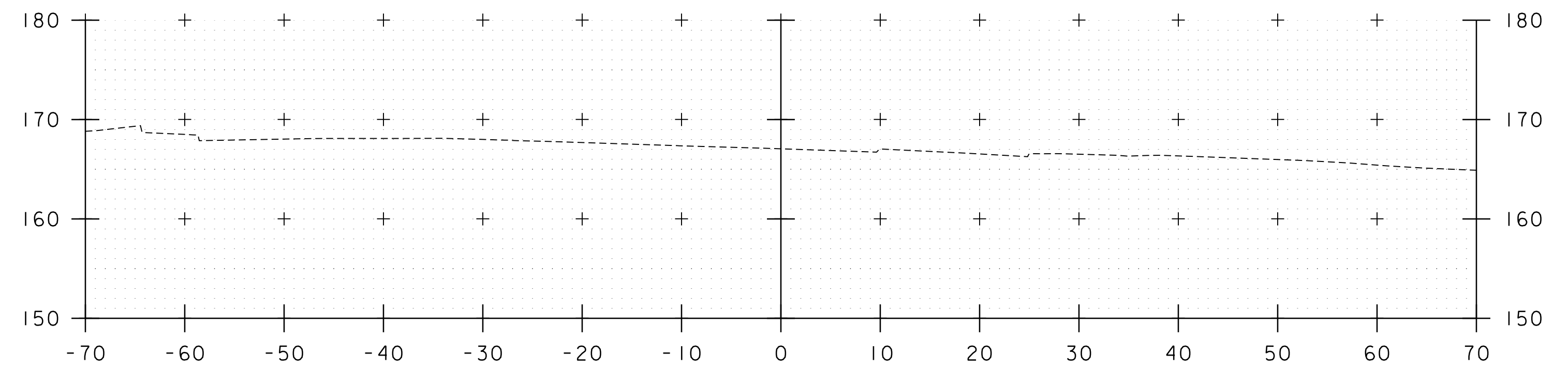
60+00

STA. 59+25 TO STA. 60+50

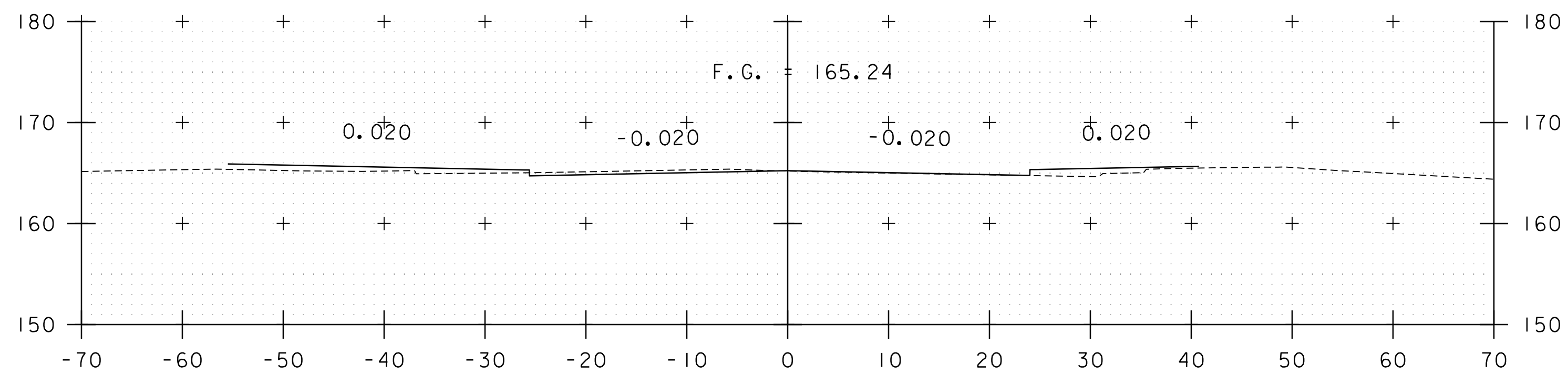
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION II	SHEET 35 OF 46



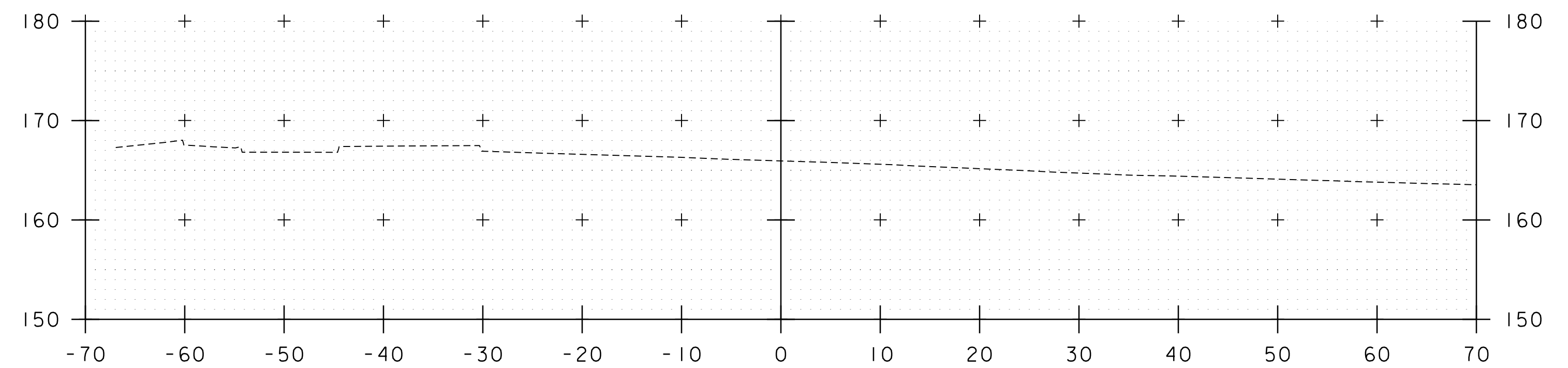
61+25



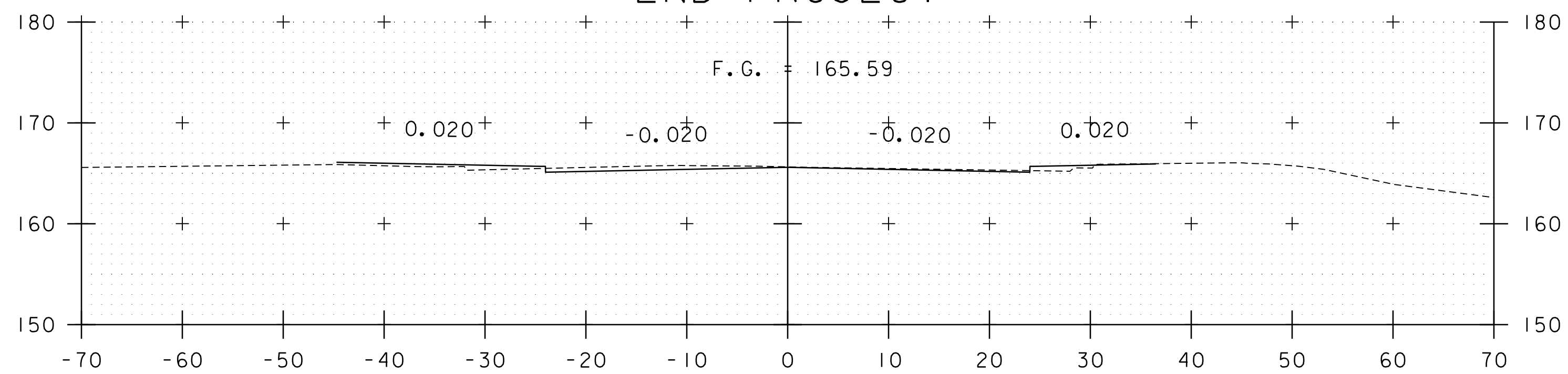
62+00



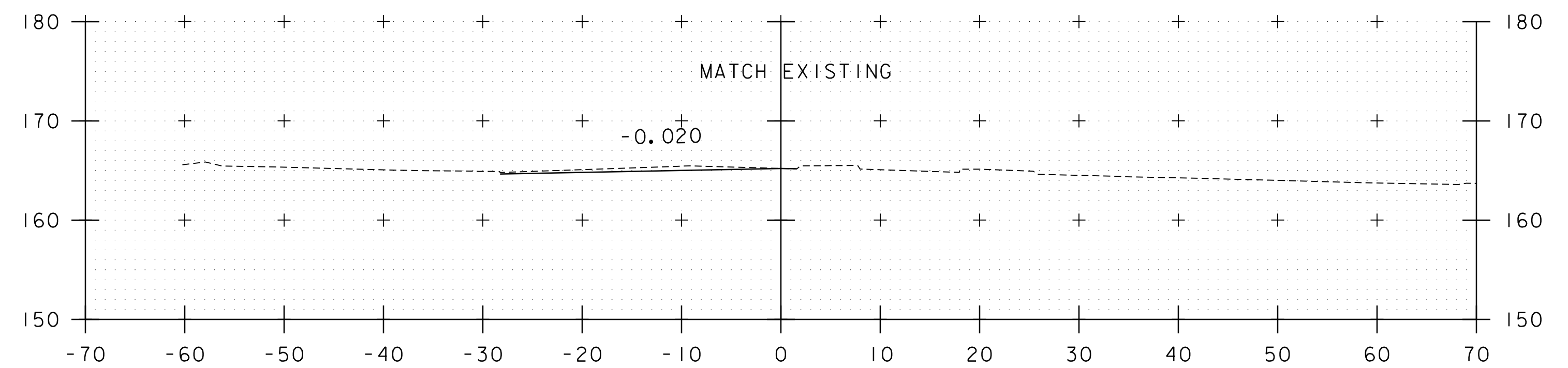
61+00
END PROJECT



61+75



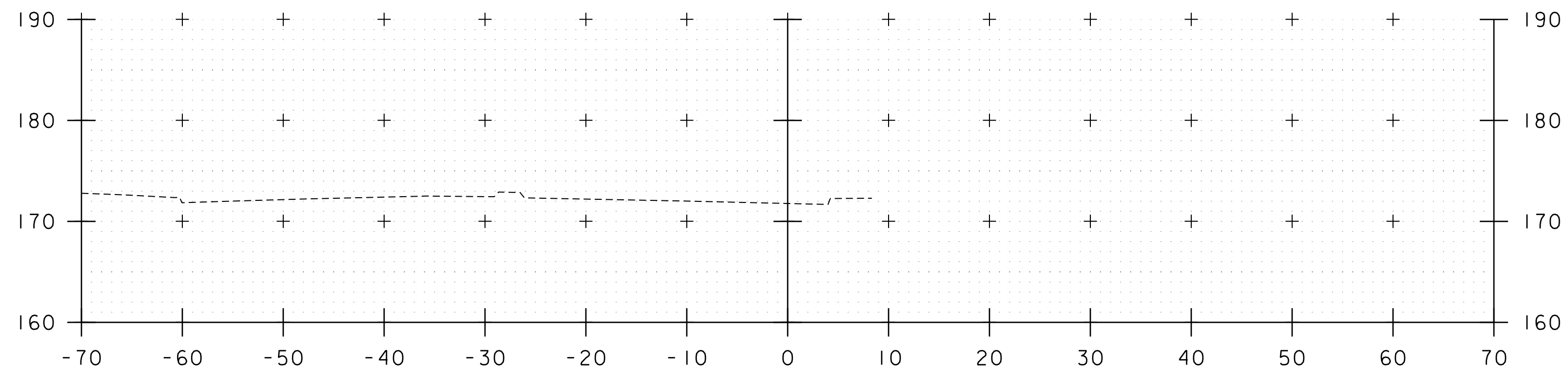
60+75



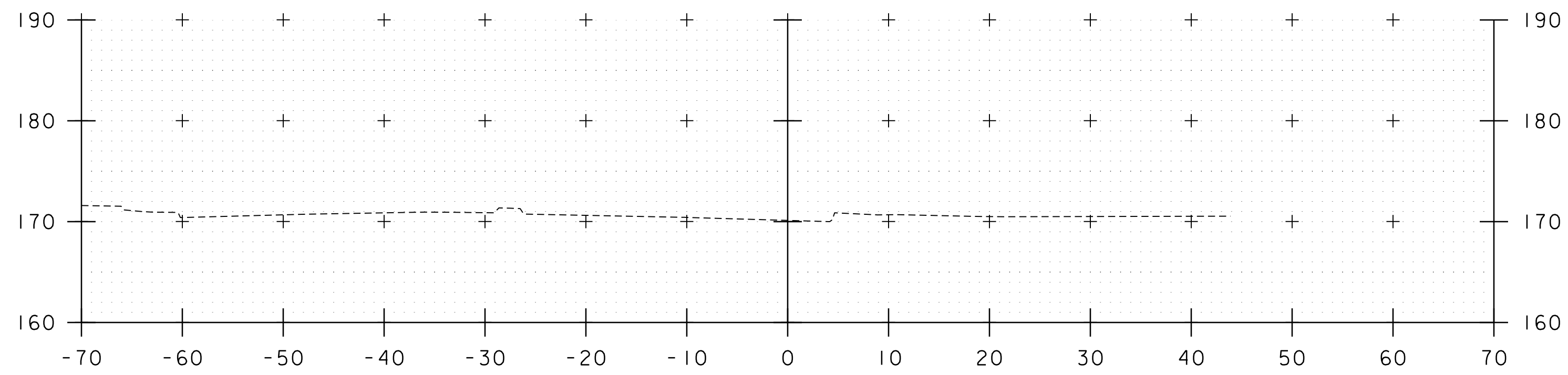
61+50
END APPROACH

STA. 60+75 TO STA. 62+00

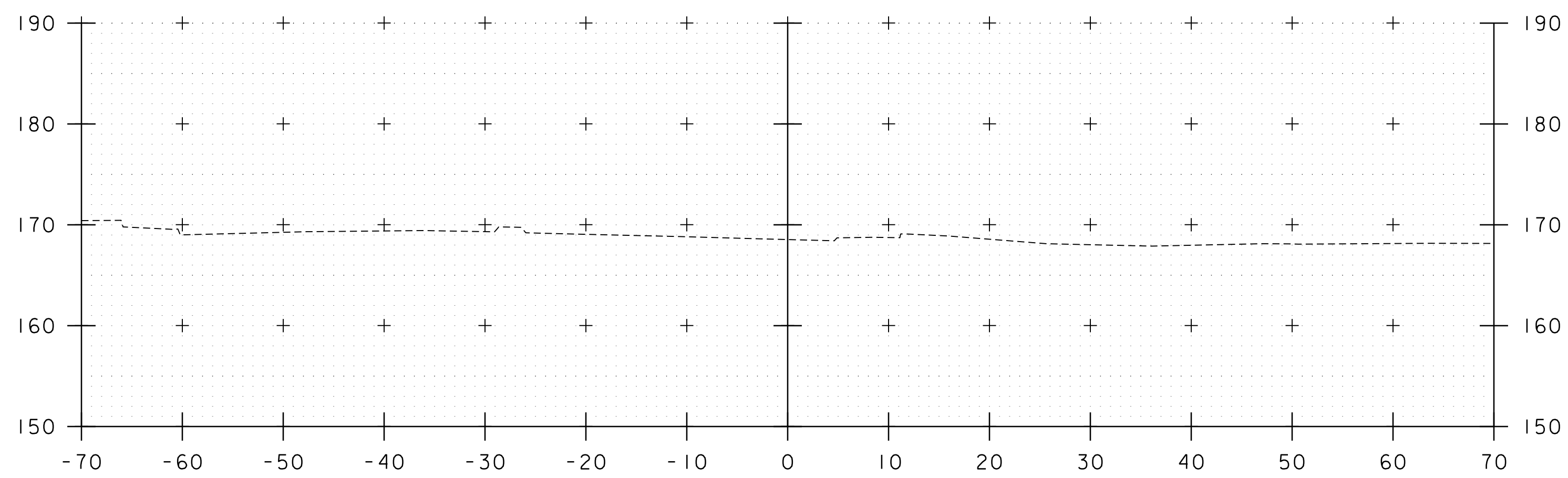
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME: z22j35ixs.Colchester_Main.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
COLCHESTER & MAIN CROSS SECTION I2	SHEET 36 OF 46



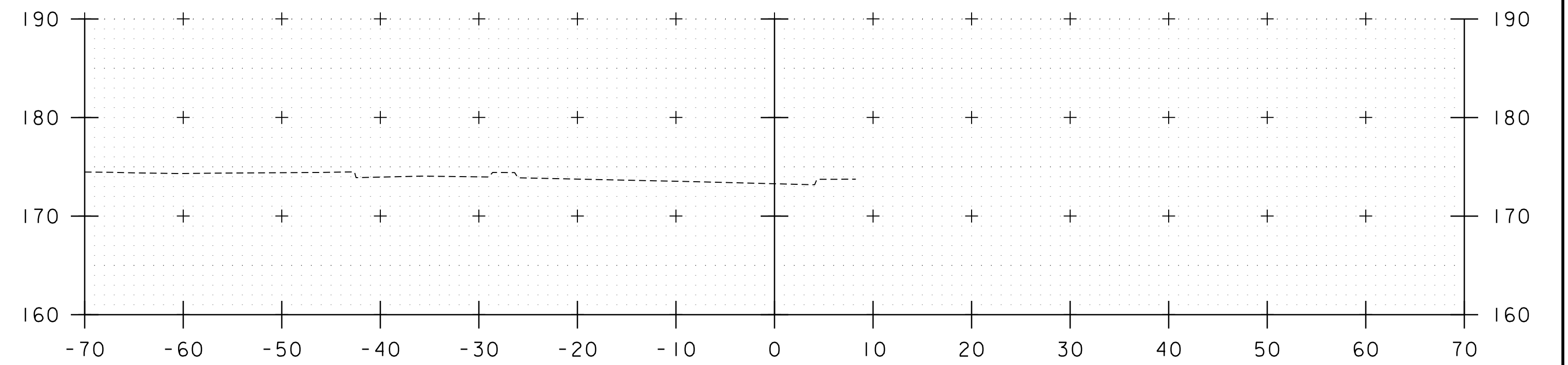
62+75



62+50



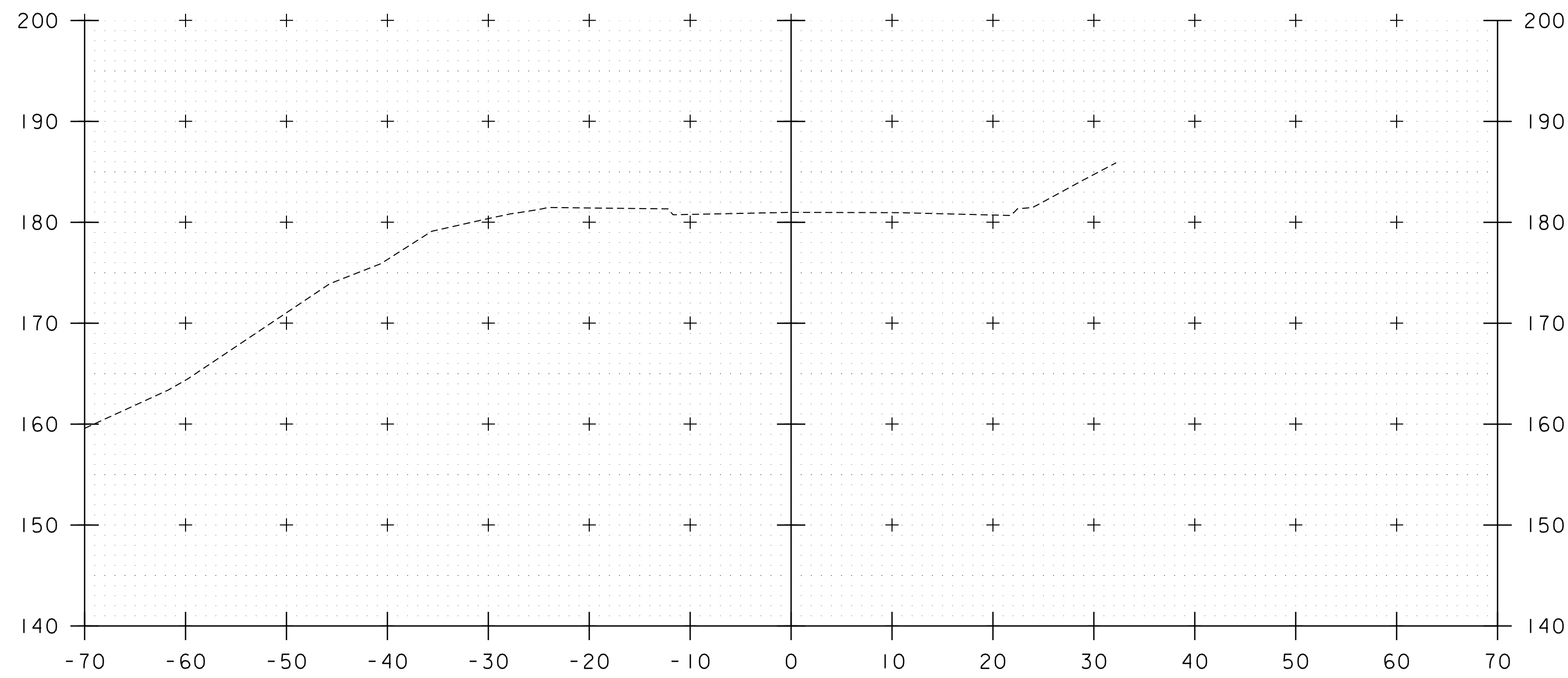
62+25



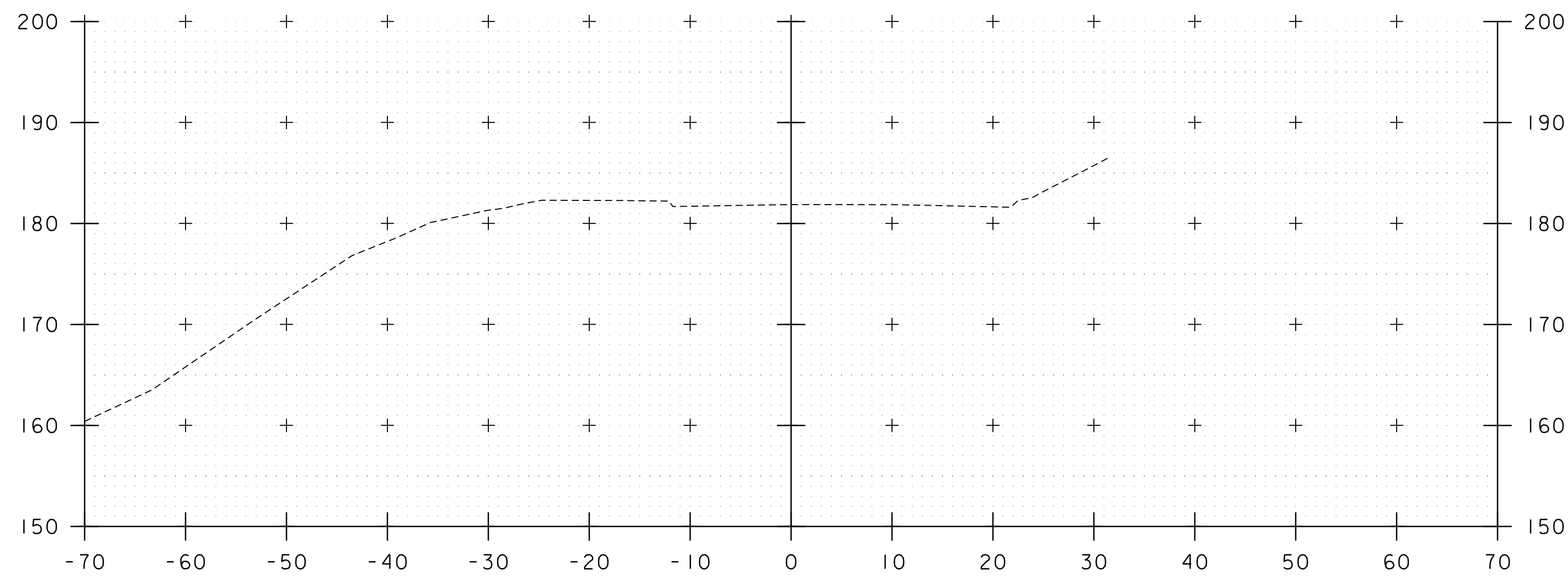
63+00

STA. 62+25 TO STA. 63+00

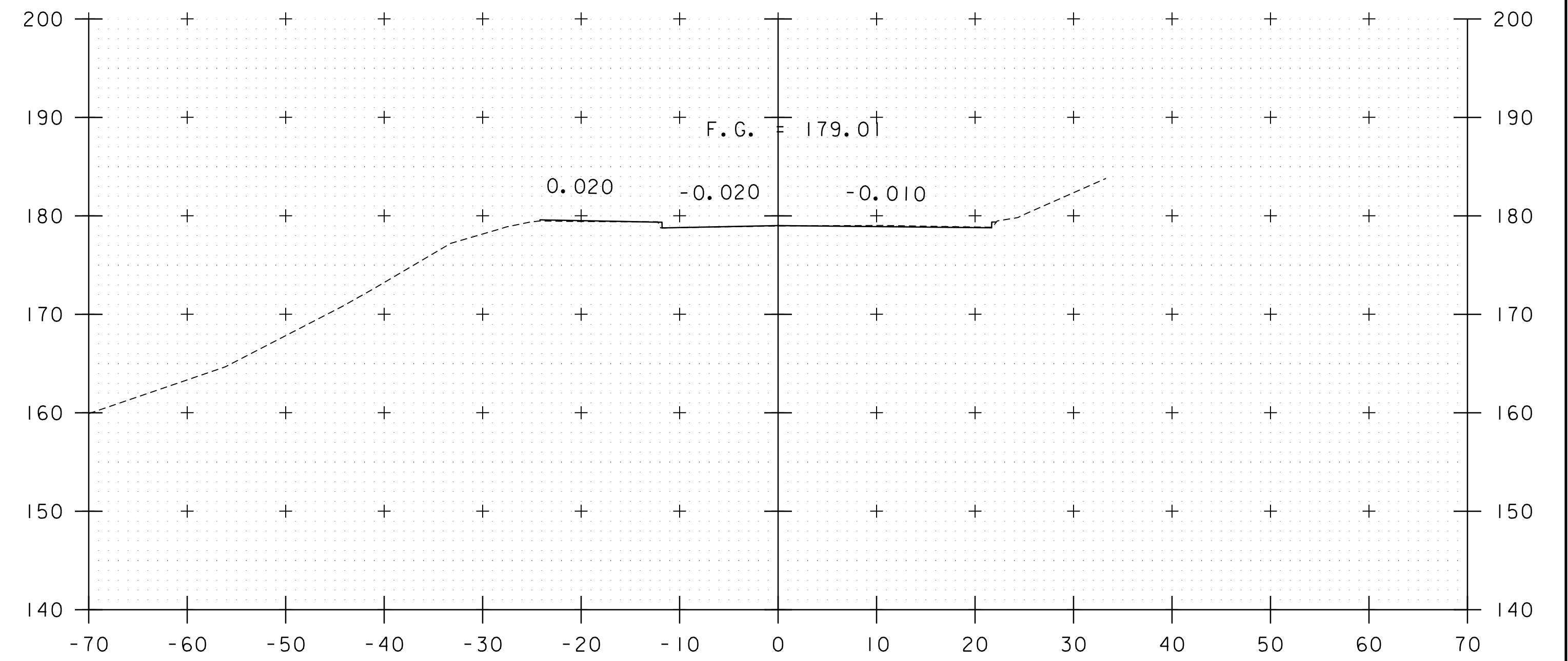
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Colchester_Main.dgn
PLOT DATE:	9-AUG-2023
PROJECT LEADER:	J. OLUND
DRAWN BY:	E. DAVIDSON
DESIGNED BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
COLCHESTER & MAIN CROSS SECTION I3	SHEET 37 OF 46



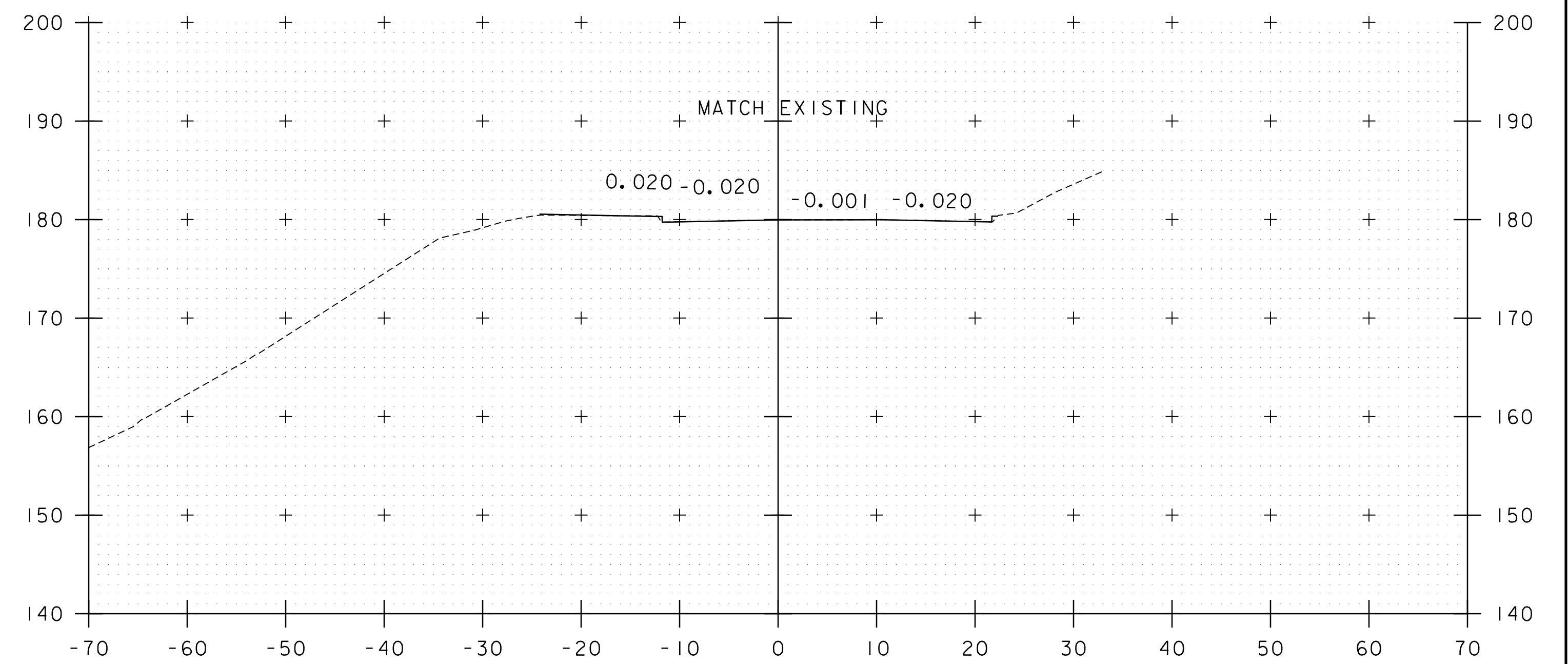
213+25



213+00



213+75



213+50
BEGIN APPROACH

STA. 213+00 TO STA. 213+75

PROJECT NAME: BURLINGTON-WINOOSKI

PROJECT NUMBER: BF RAIZ(2)

FILE NAME: z22j35ixs.Riverside.dgn

PROJECT LEADER: J. OLUND

DESIGNED BY: E. DAVIDSON

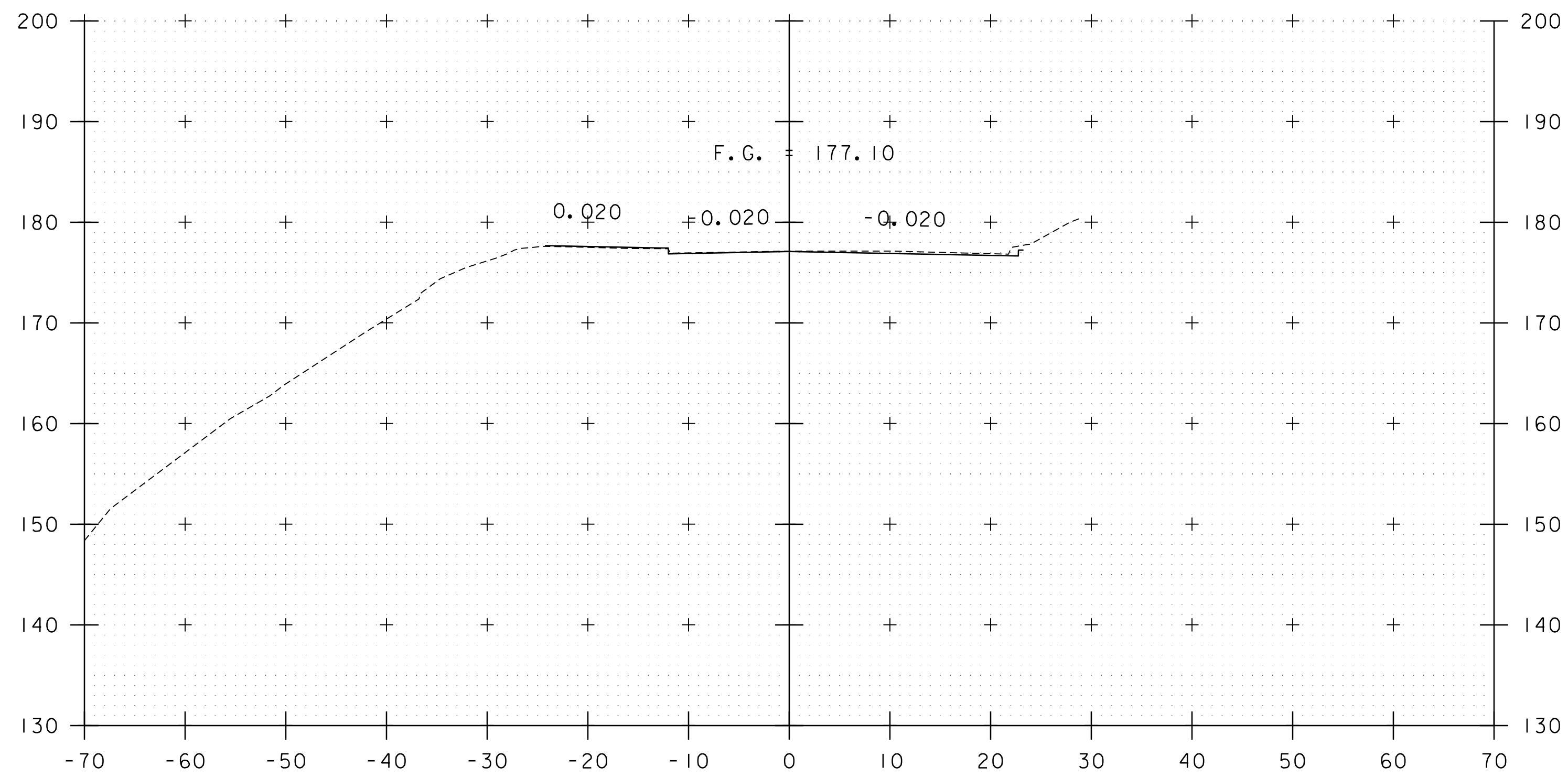
RIVERSIDE AVE CROSS SECTION I

PLOT DATE: 9-AUG-2023

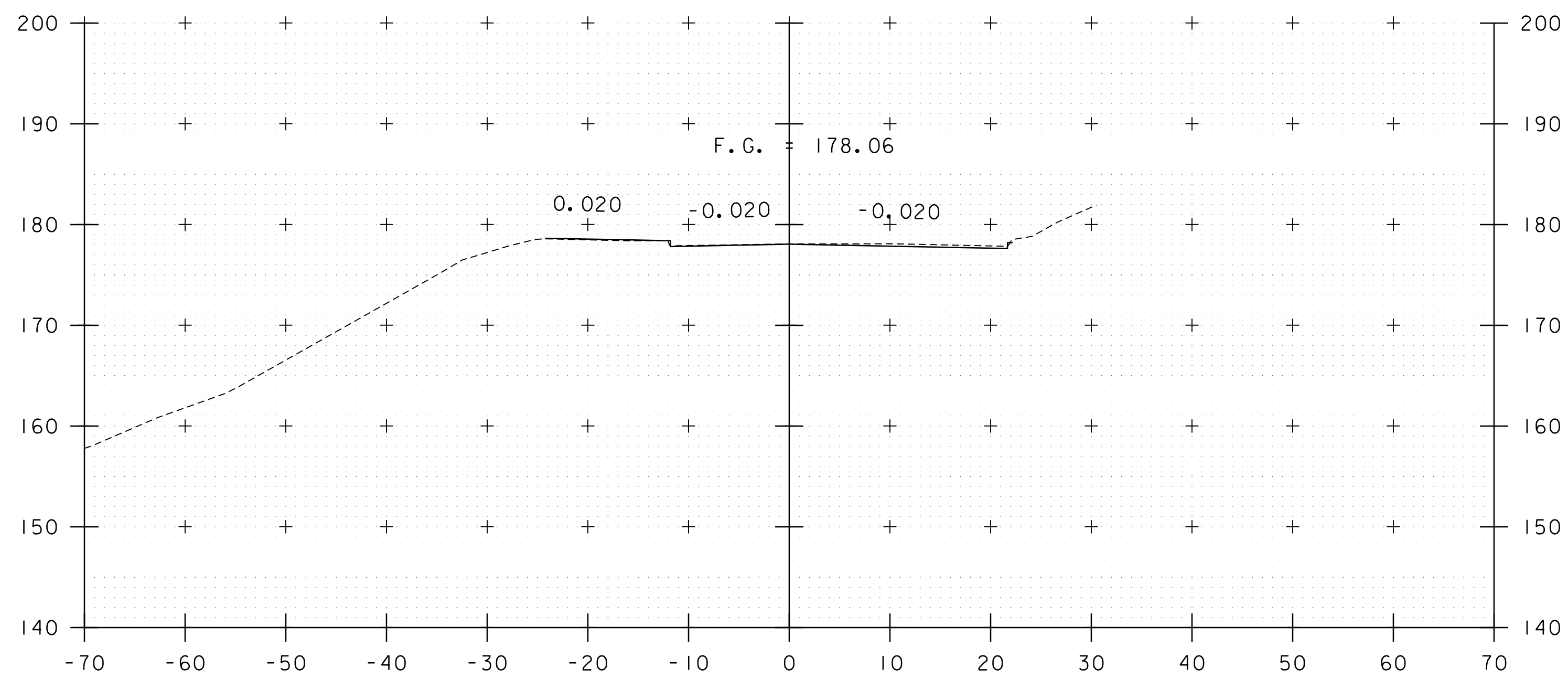
DRAWN BY: E. DAVIDSON

CHECKED BY: S. SPEAR

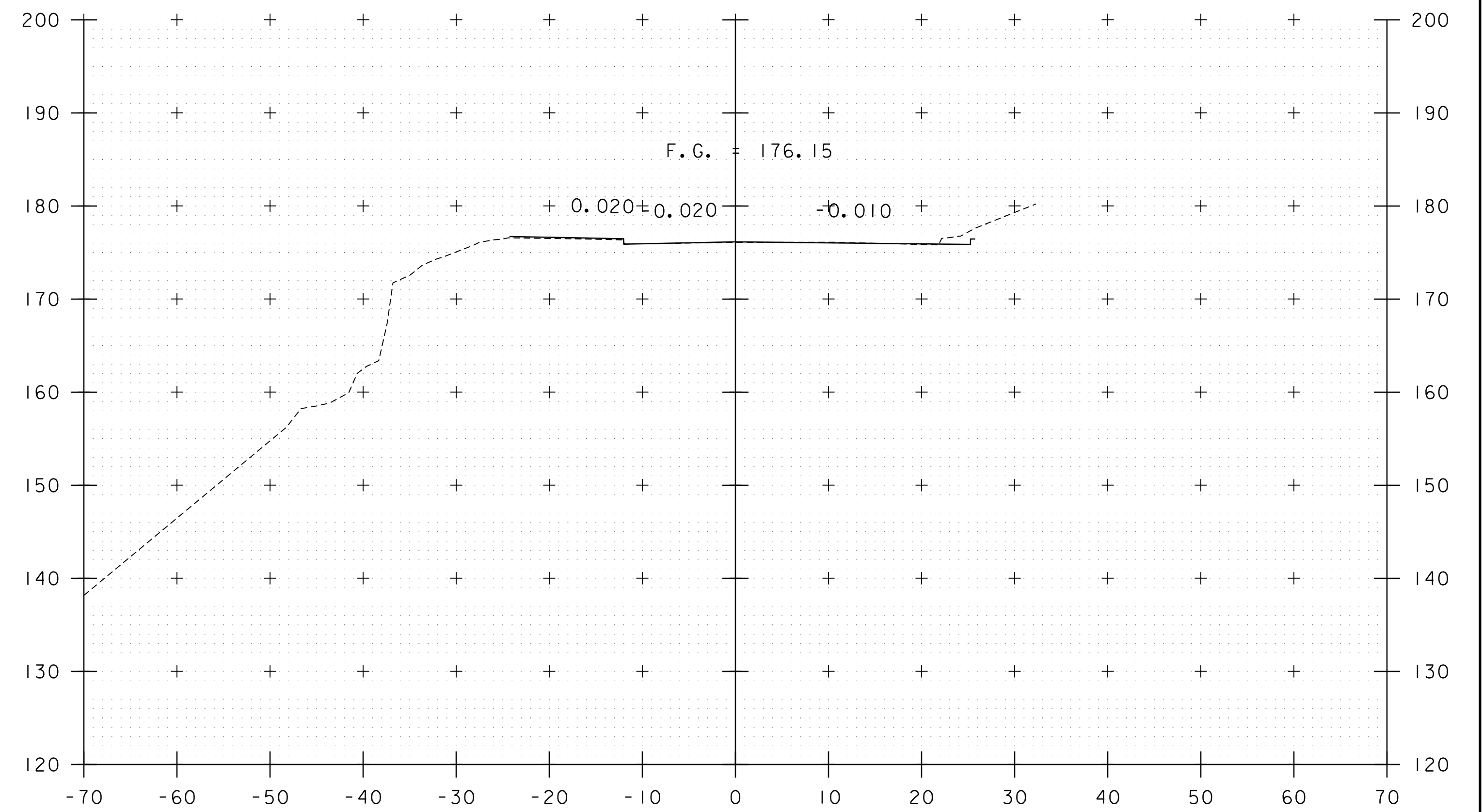
SHEET 38 OF 46



214+25



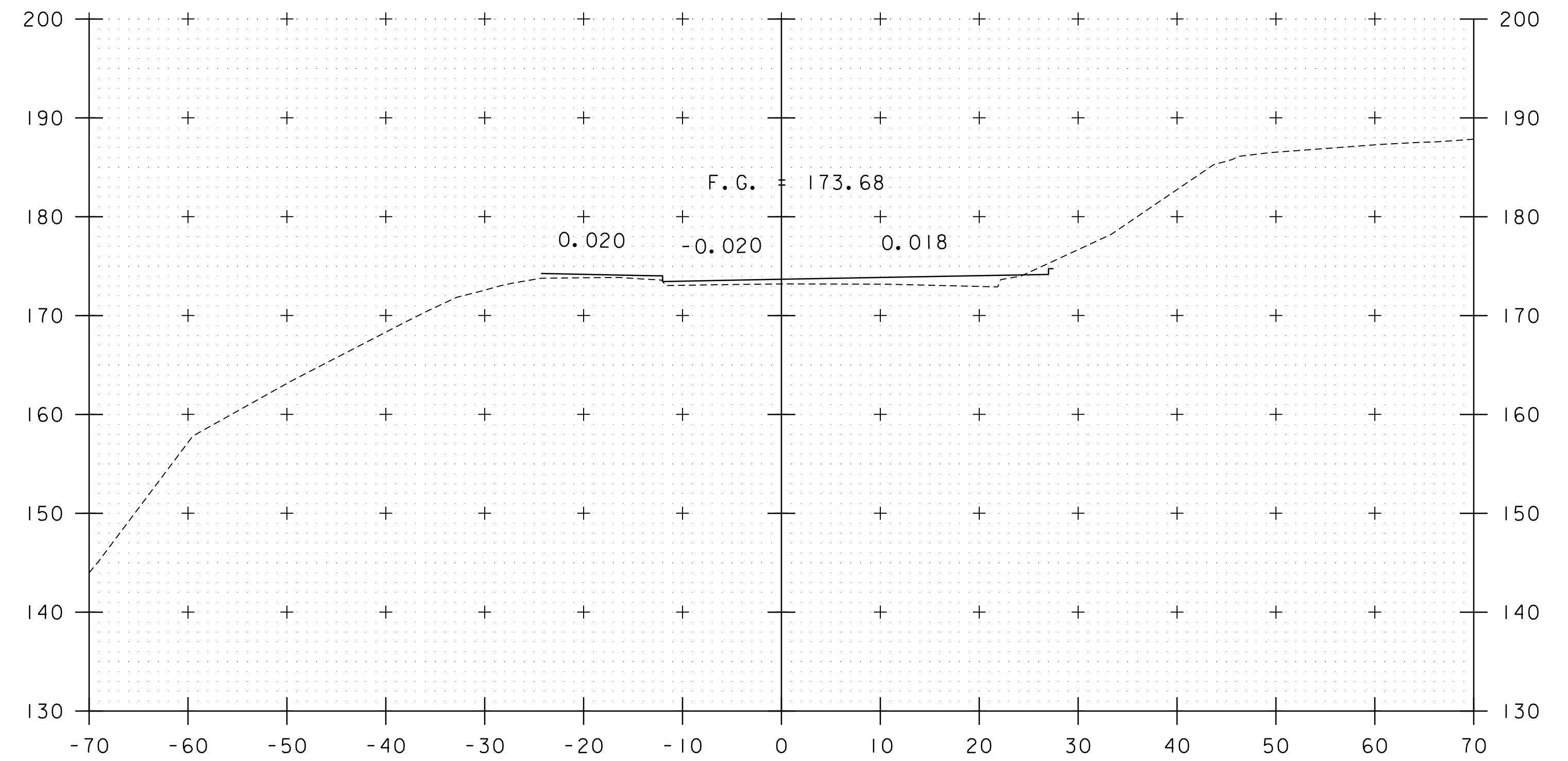
214+00
BEGIN PROJECT



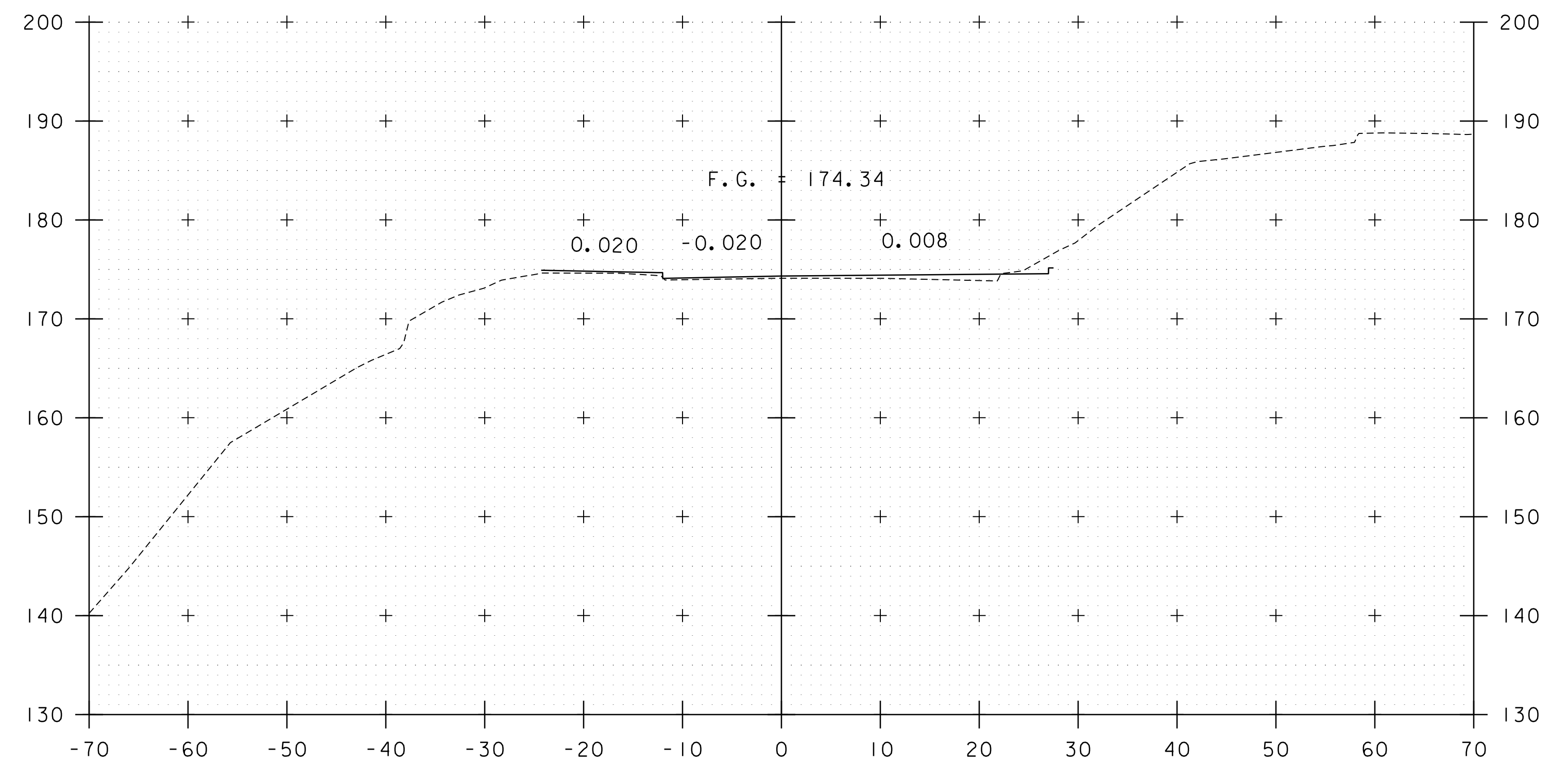
214+50

STA. 214+00 TO STA. 214+50

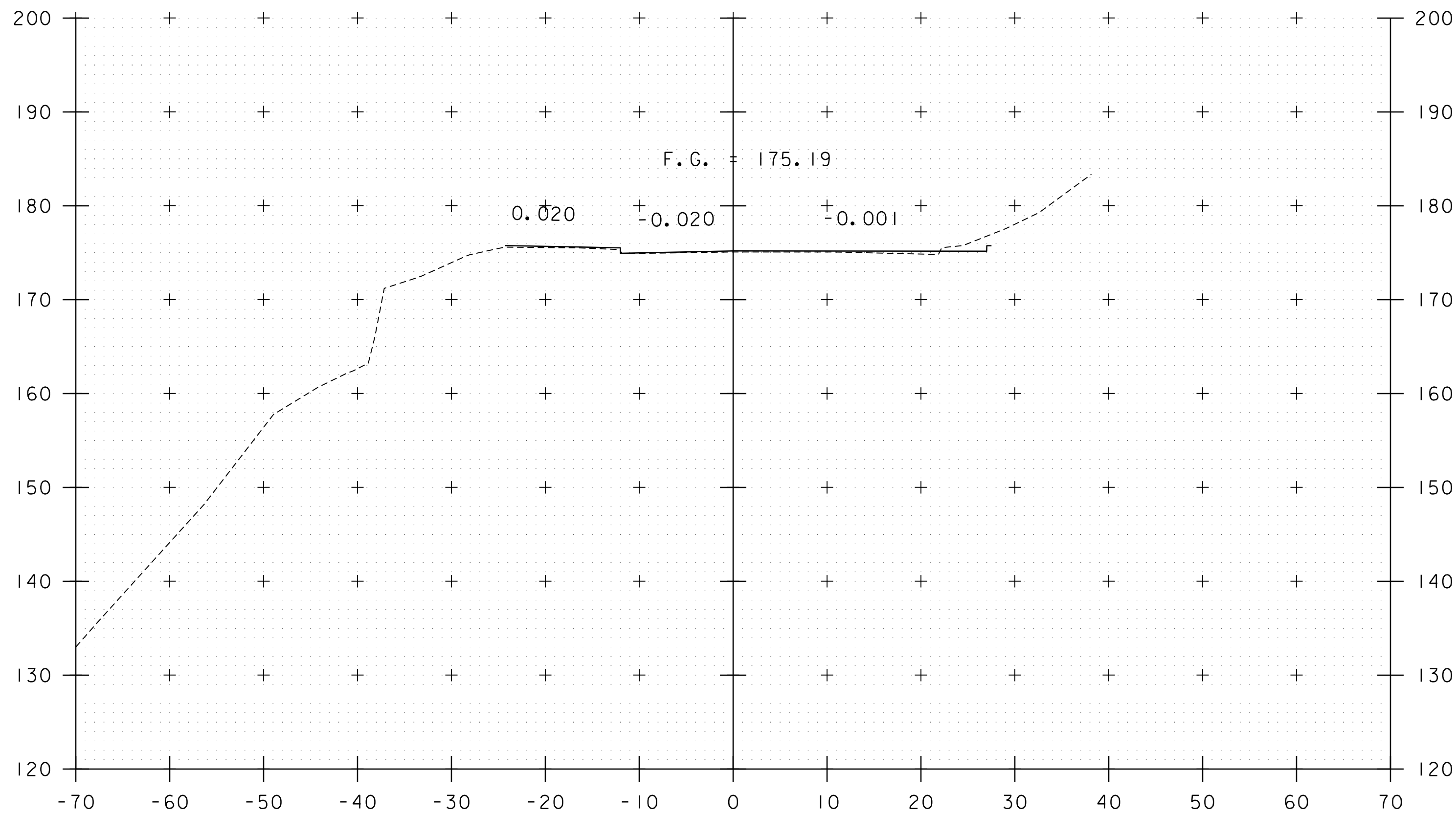
PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35ixs.Riverside.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
RIVERSIDE AVE CROSS SECTION 2	SHEET 39 OF 46



215+25



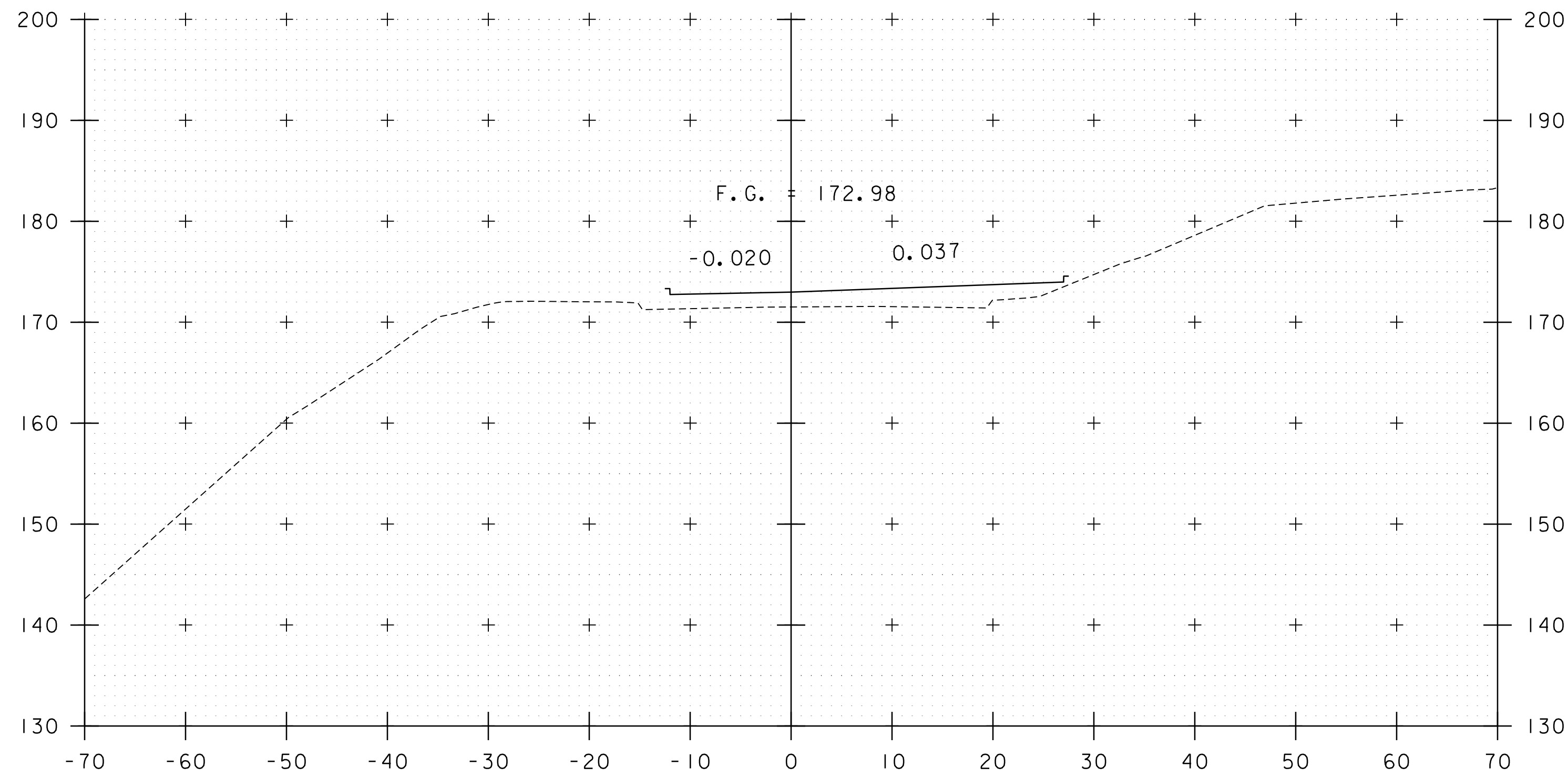
215+00



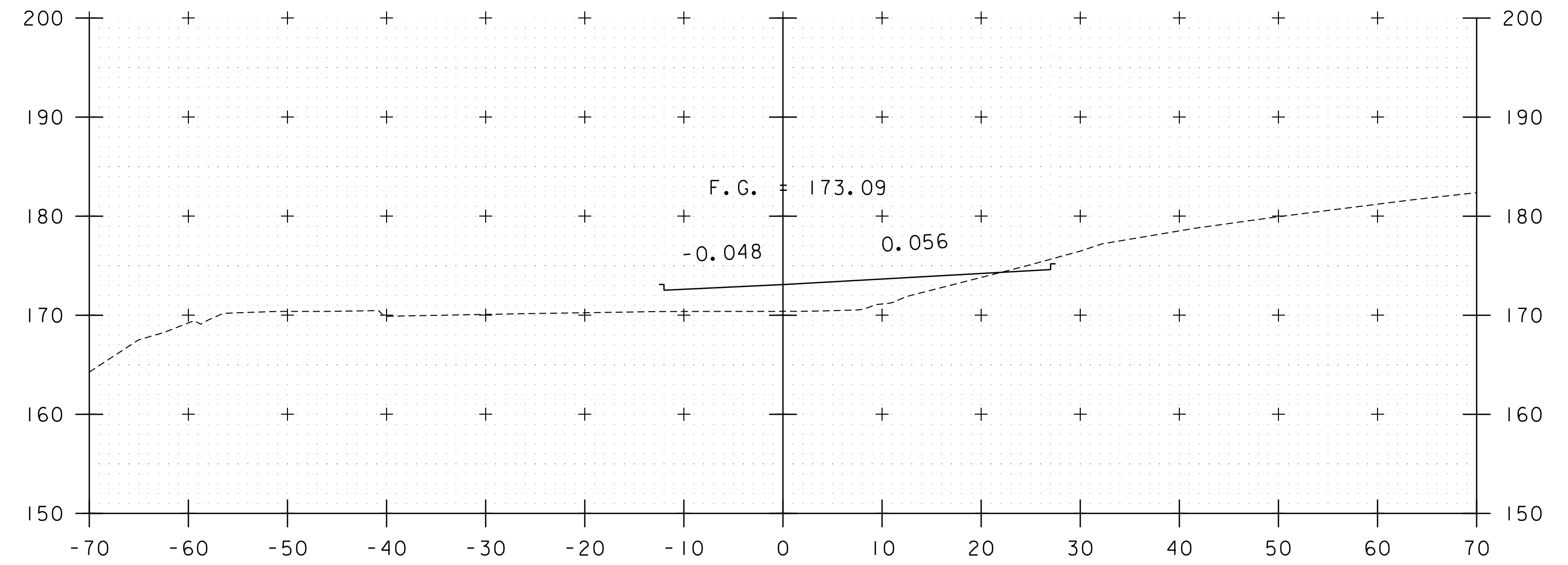
214+75

STA. 214+75 TO STA. 215+25

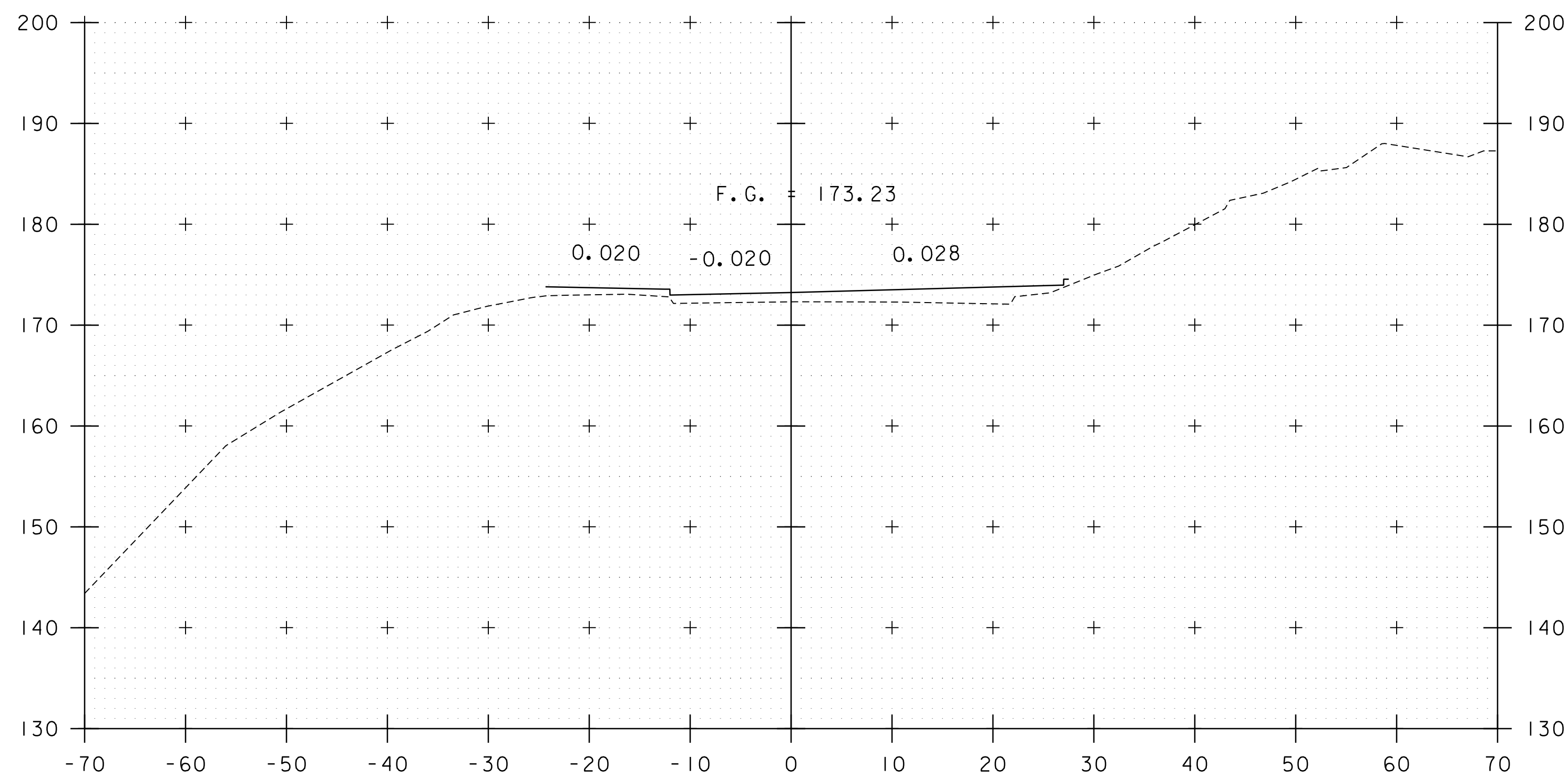
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Riverside.dgn
PROJECT LEADER:	J. OLUND
DESIGNED BY:	E. DAVIDSON
RIVERSIDE AVE CROSS SECTION 3	
PLOT DATE:	9-AUG-2023
DRAWN BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
SHEET	40 OF 46



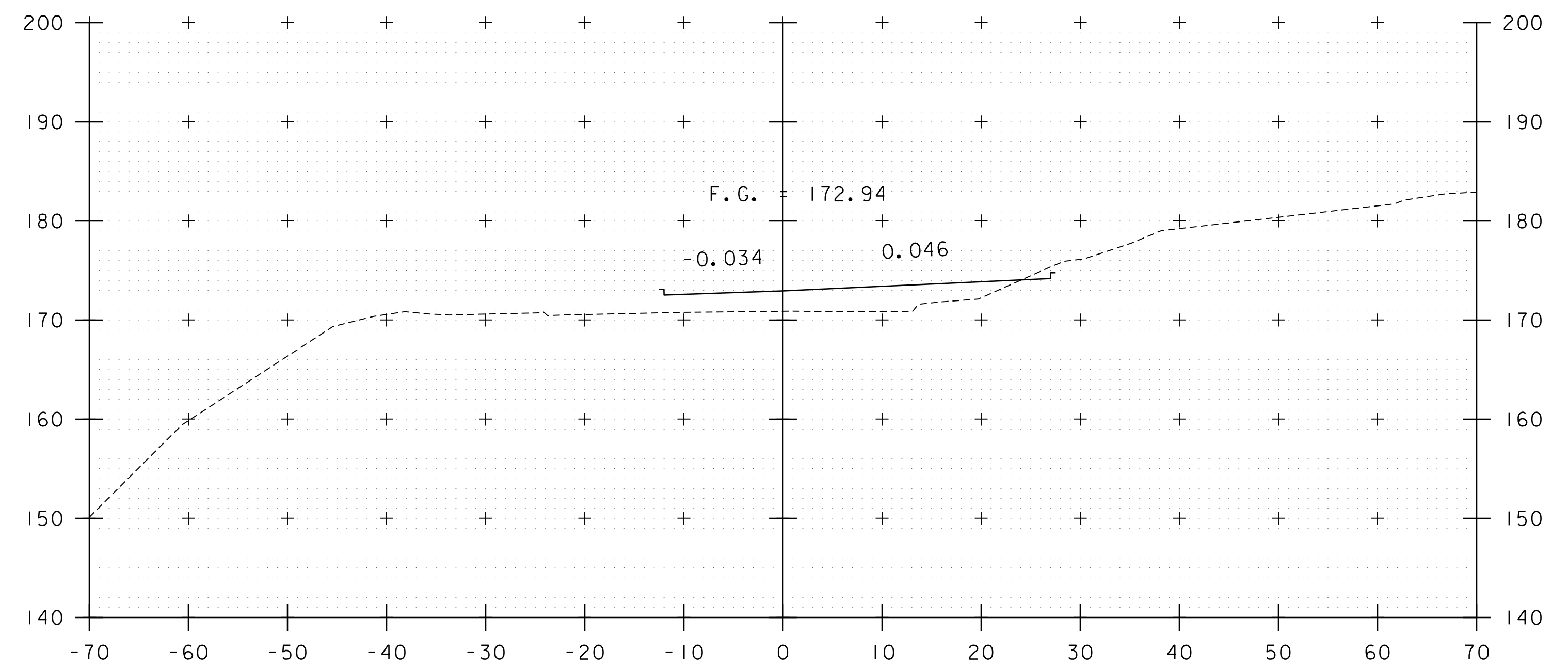
215+75



216+25



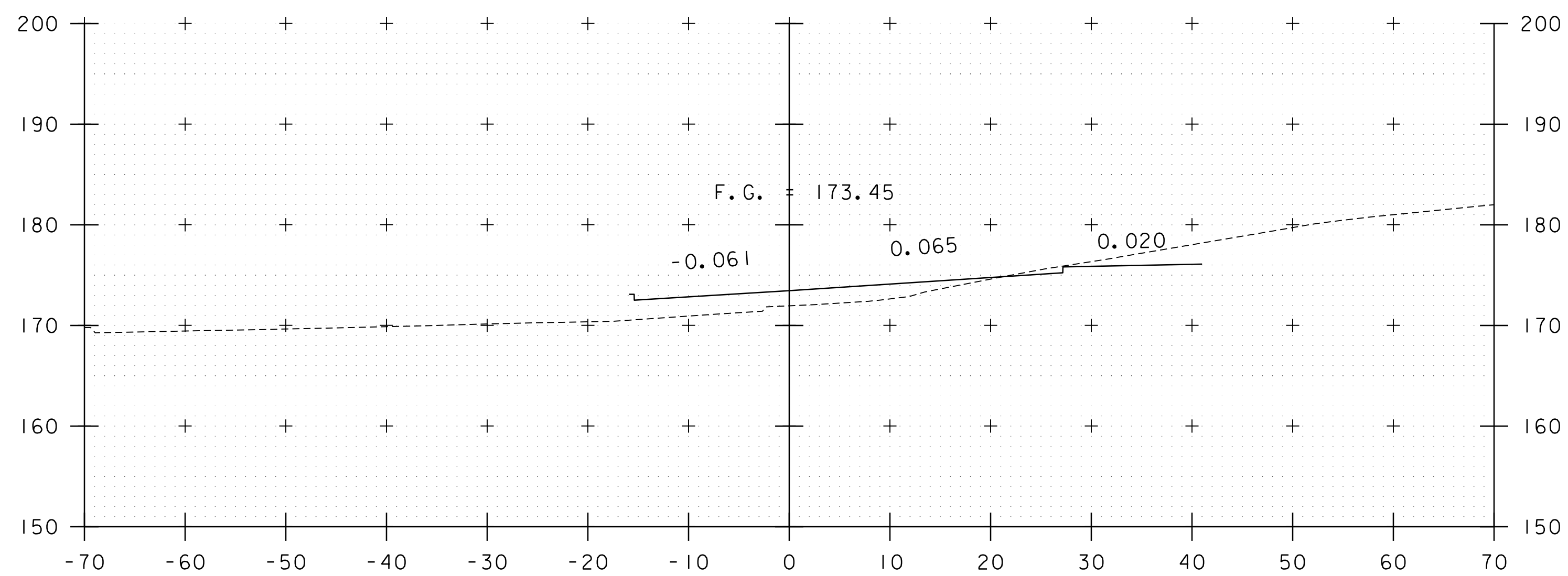
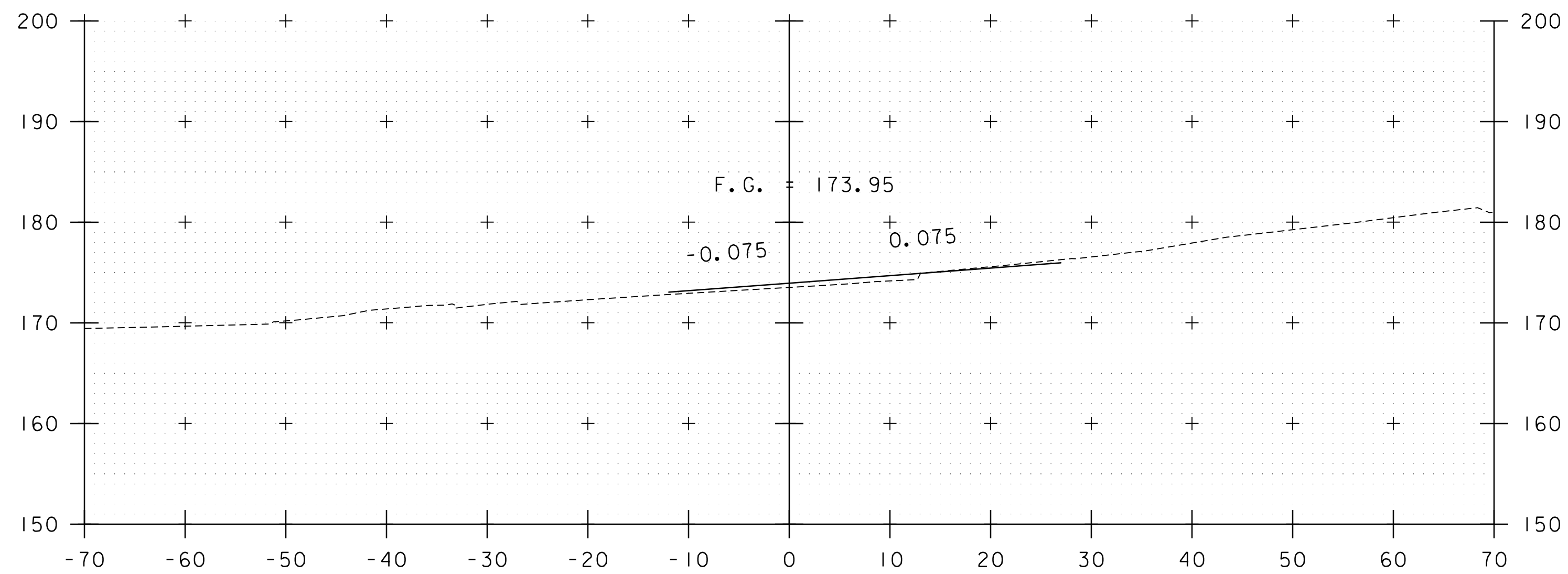
215+50



216+00

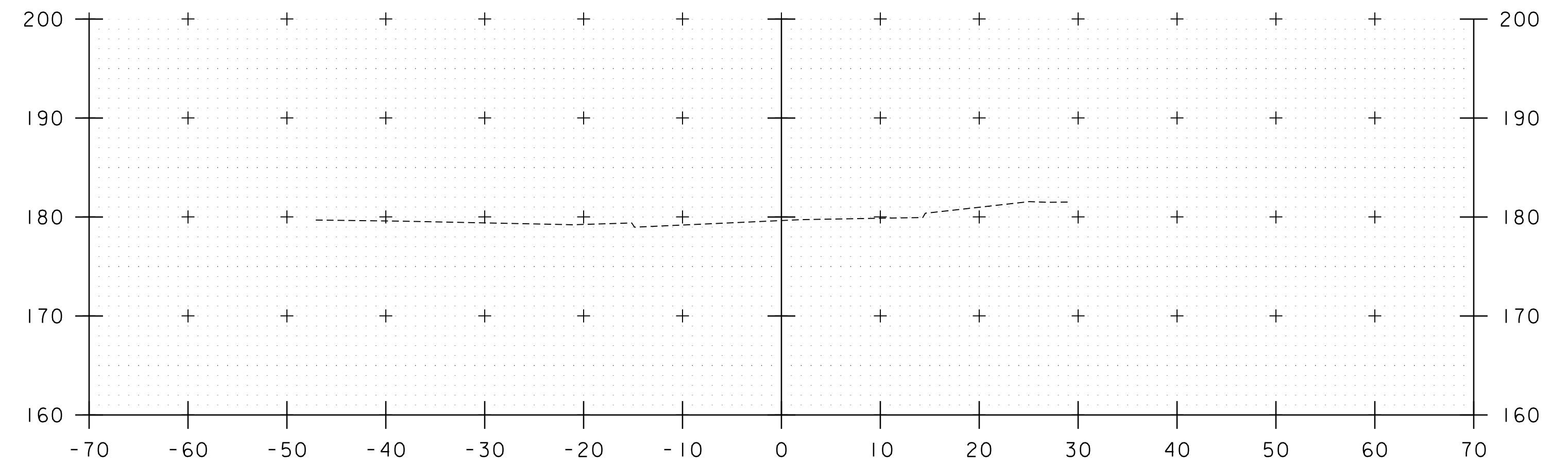
STA. 215+50 TO STA. 216+25

PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35ixs.Riverside.dgn
PROJECT LEADER:	J. OLUND
DESIGNED BY:	E. DAVIDSON
RIVERSIDE AVE CROSS SECTION 4	
PLOT DATE:	9-AUG-2023
DRAWN BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
SHEET	41 OF 46

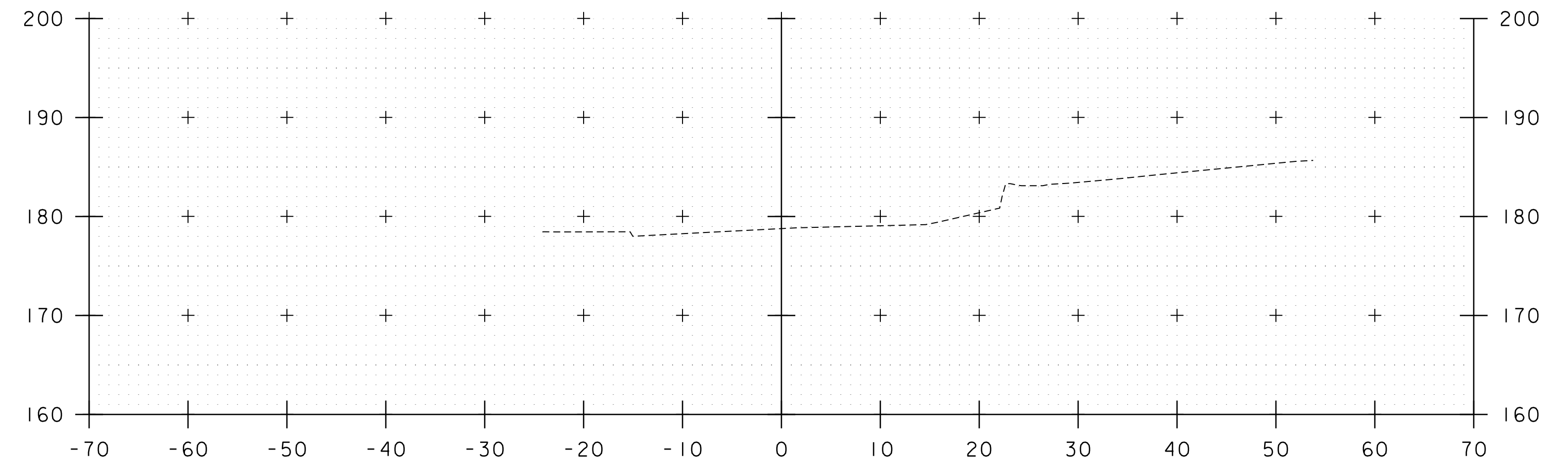


STA. 216+50 TO STA. 216+75

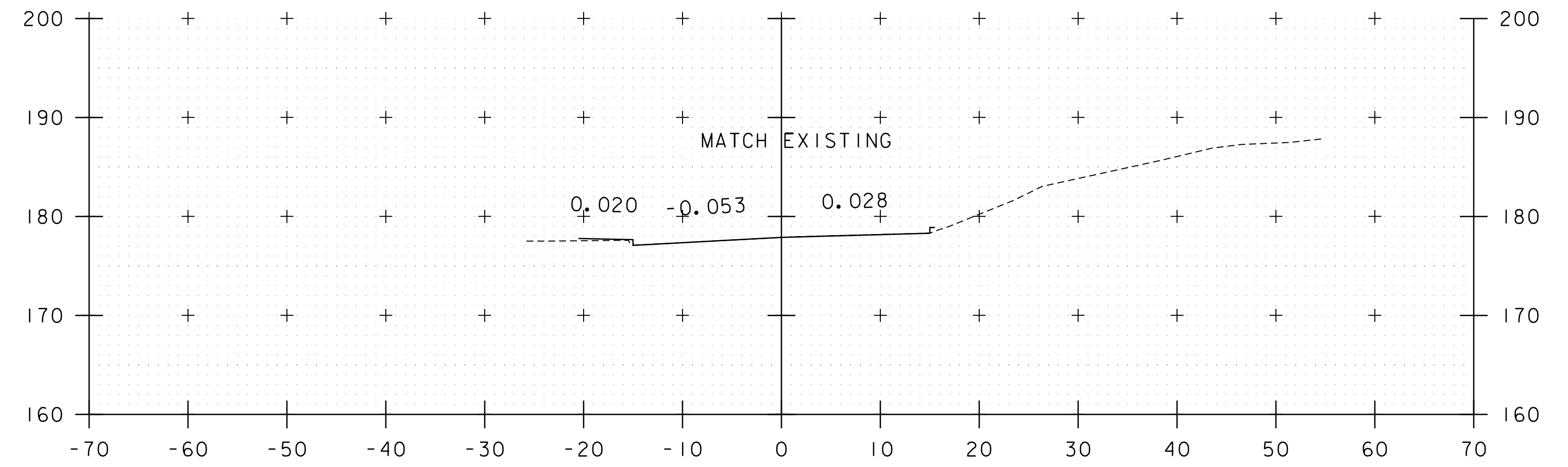
PROJECT NAME:	BURLINGTON-WINOOSKI
PROJECT NUMBER:	BF RAIZ(2)
FILE NAME:	z22j35lxs.Riverside.dgn
PROJECT LEADER:	J. OLUND
DESIGNED BY:	E. DAVIDSON
RIVERSIDE AVE CROSS SECTION 5	
PLOT DATE:	9-AUG-2023
DRAWN BY:	E. DAVIDSON
CHECKED BY:	S. SPEAR
SHEET	42 OF 46



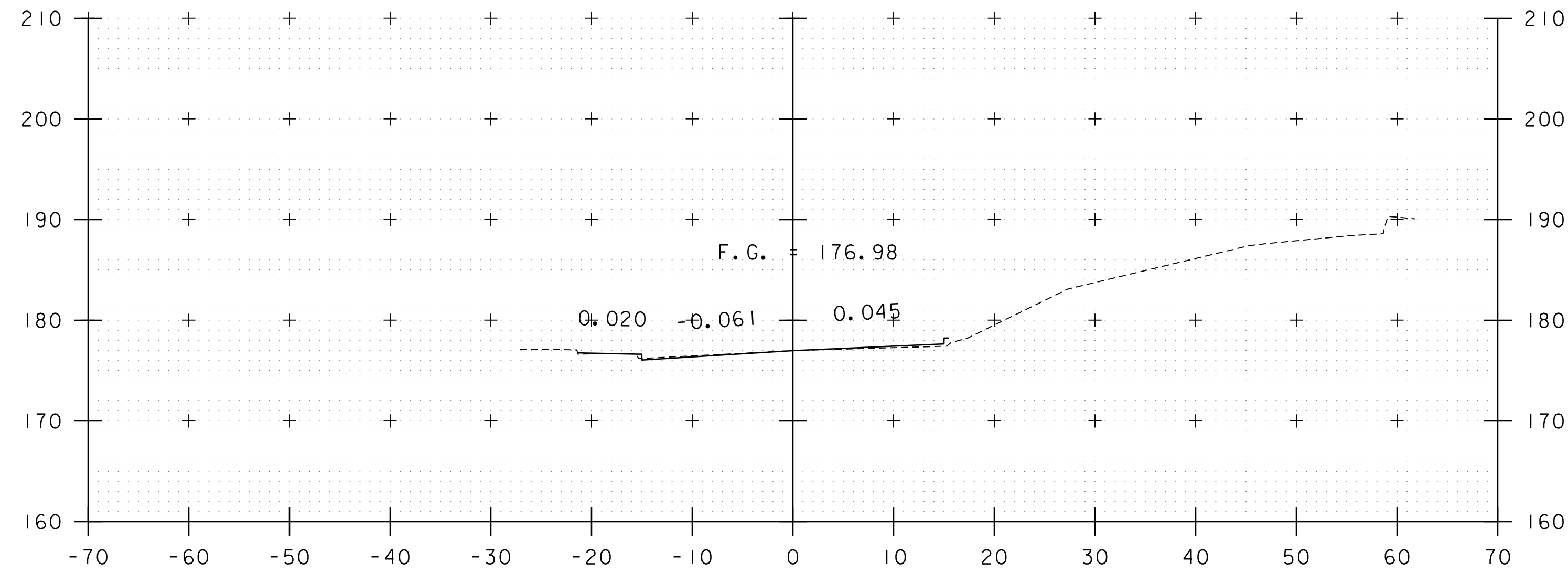
11+50



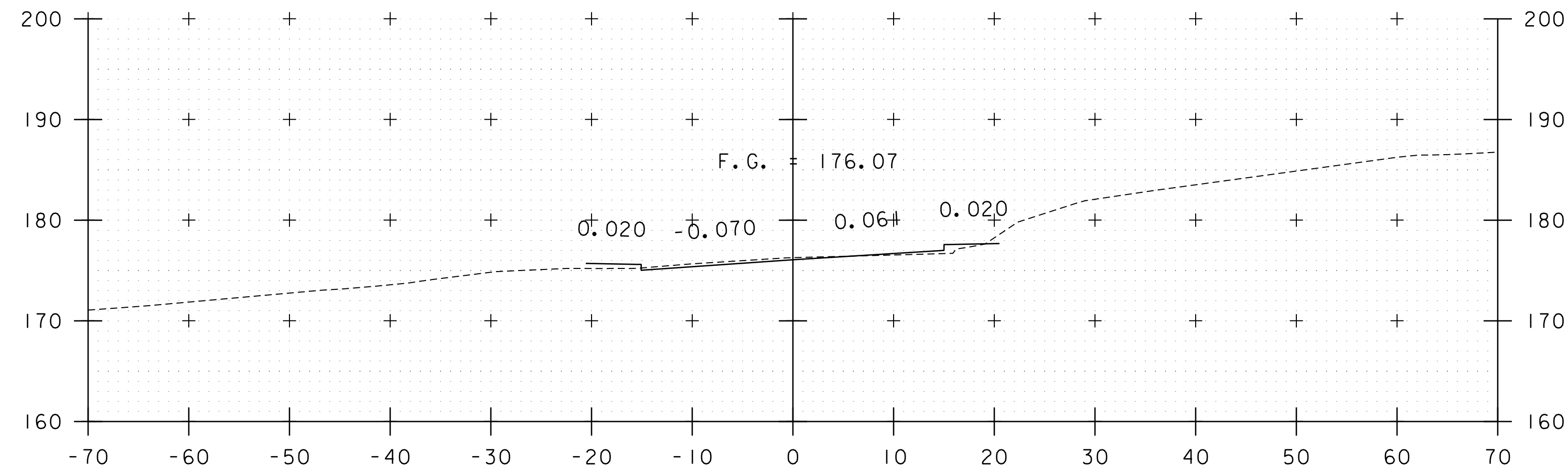
11+25



11+00
LIMIT OF WORK



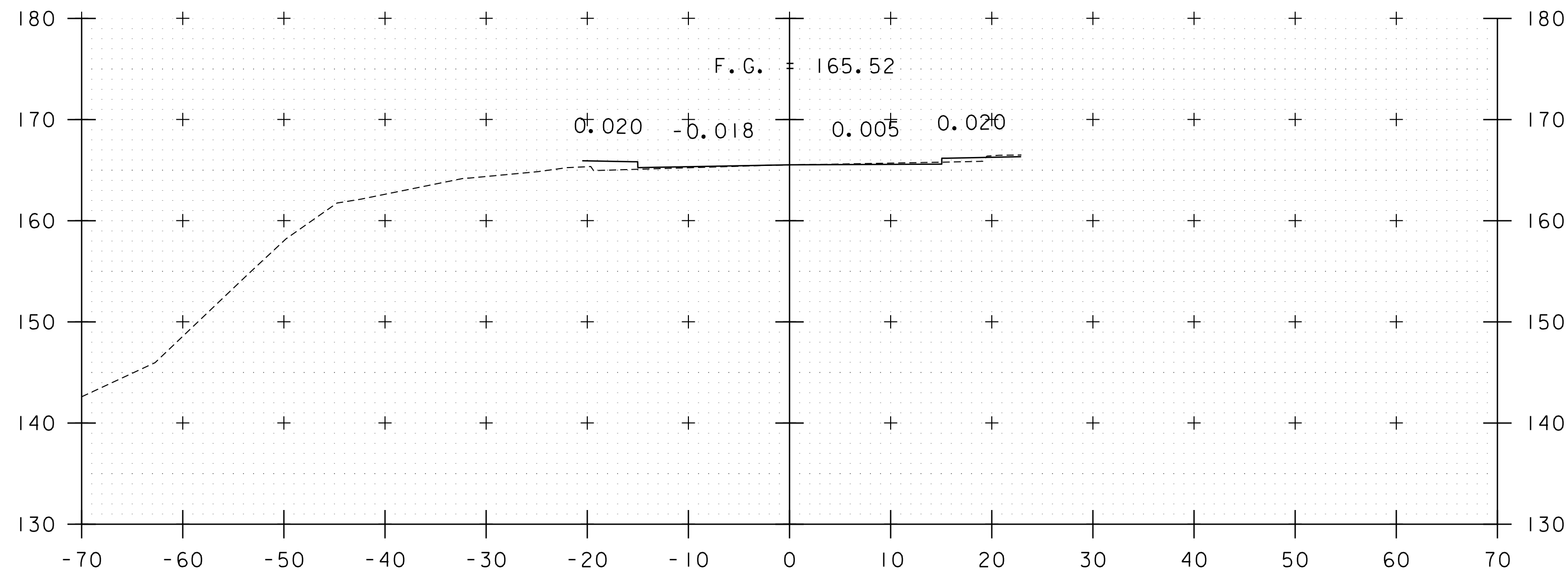
10+75



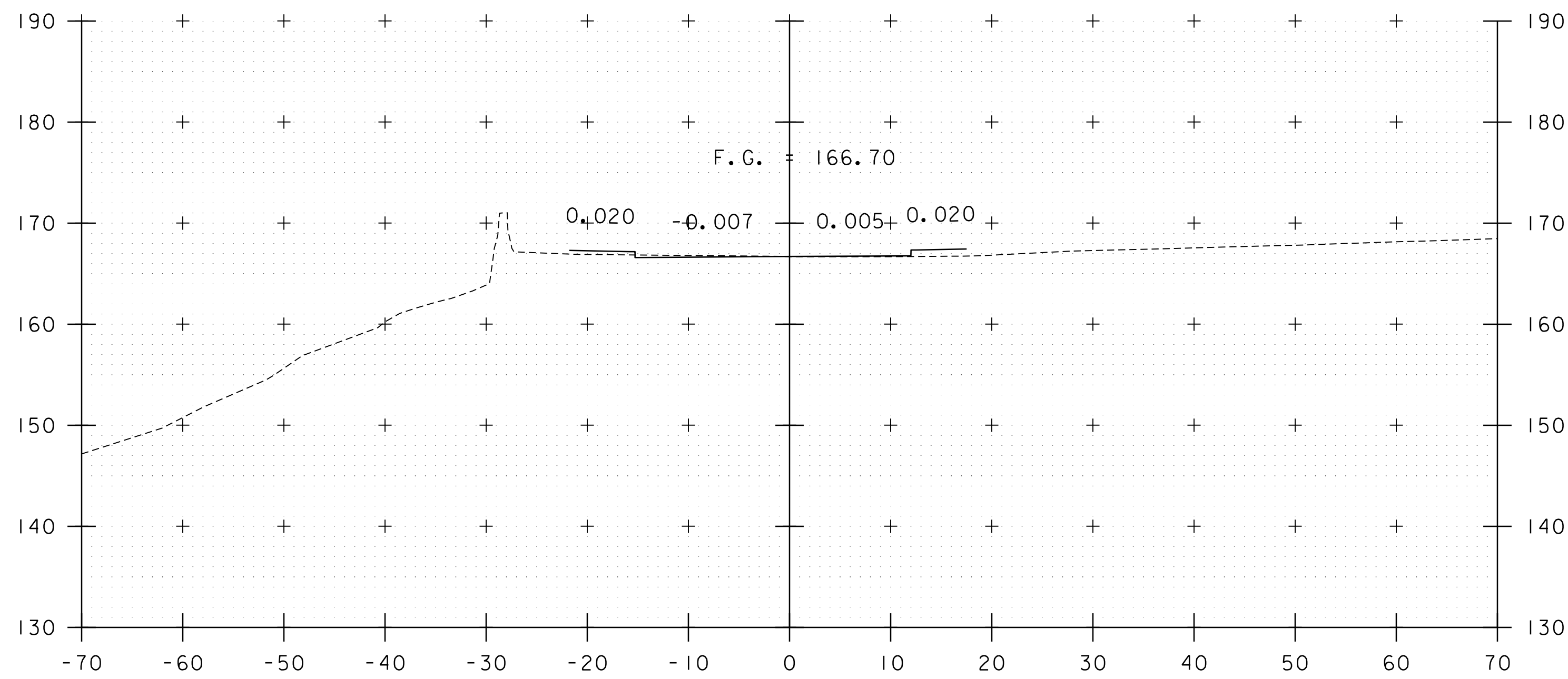
10+50

STA. 10+50 TO STA. 11+50

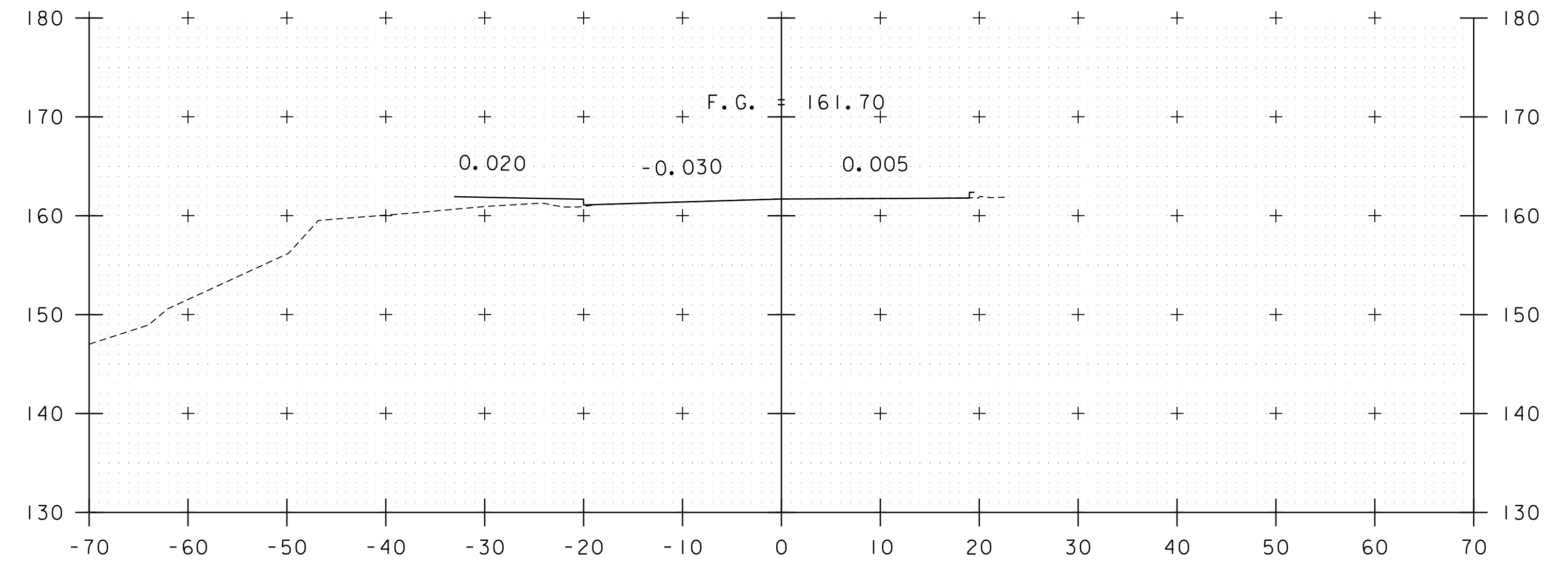
PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35ixs.Barrett.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
BARRETT ST CROSS SECTION	SHEET 43 OF 46



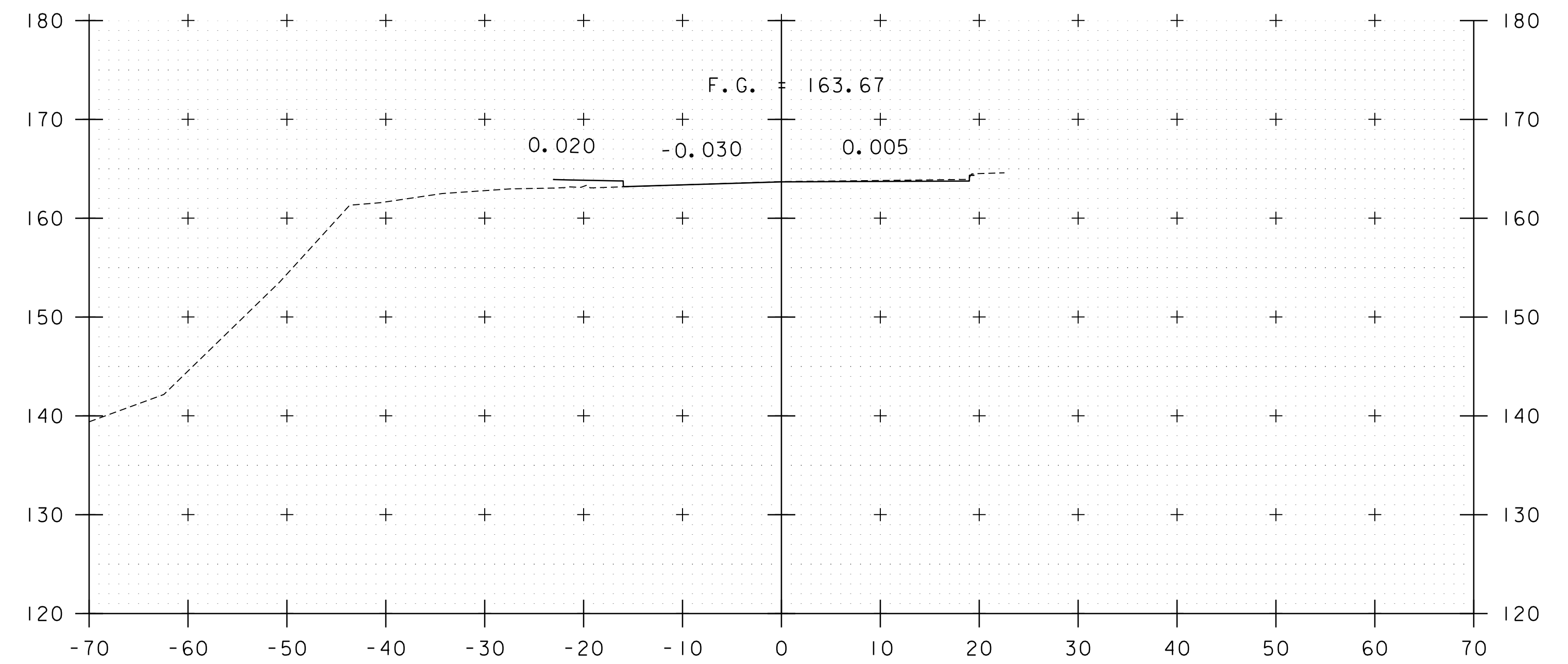
20+75



20+50



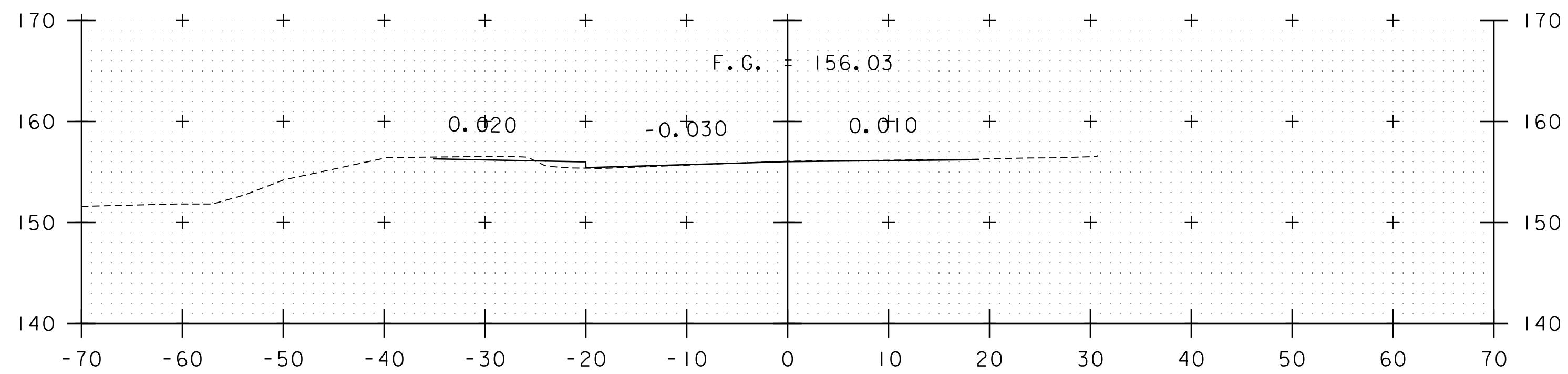
21+25



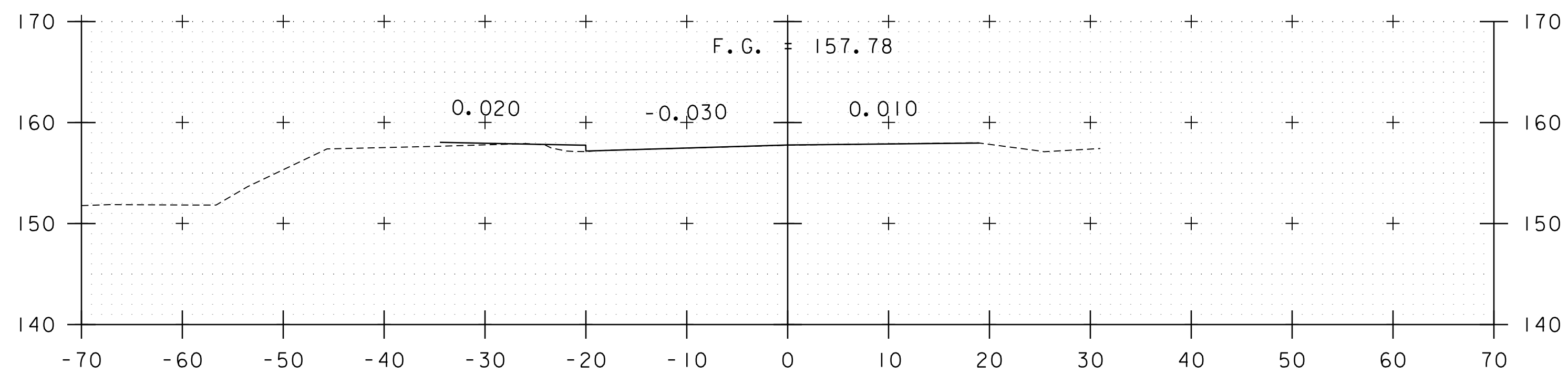
21+00

STA. 20+50 TO STA. 21+25

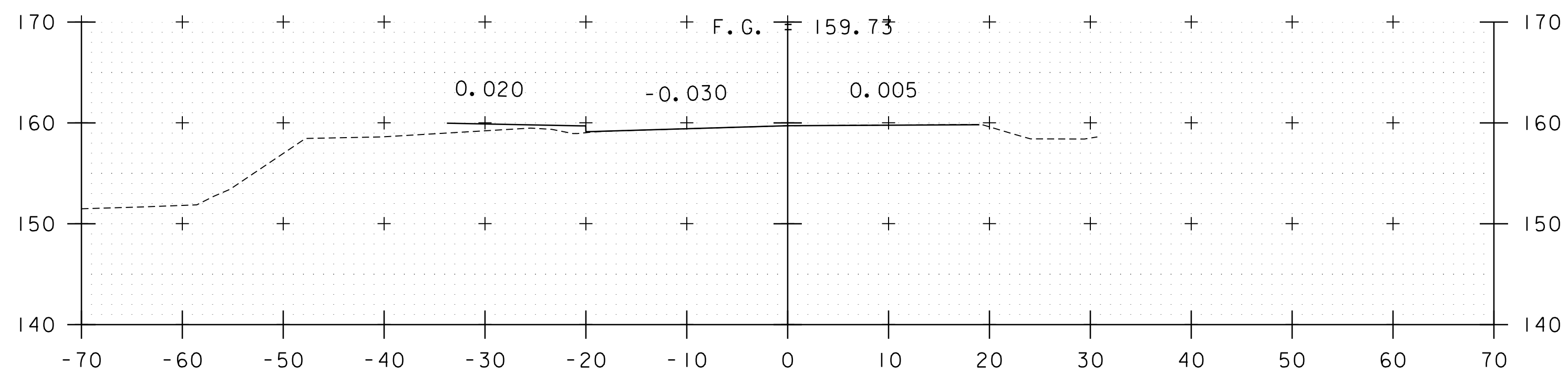
PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j35ixs.Mill.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
MILL ST CROSS SECTION SHEET 1	SHEET 44 OF 46



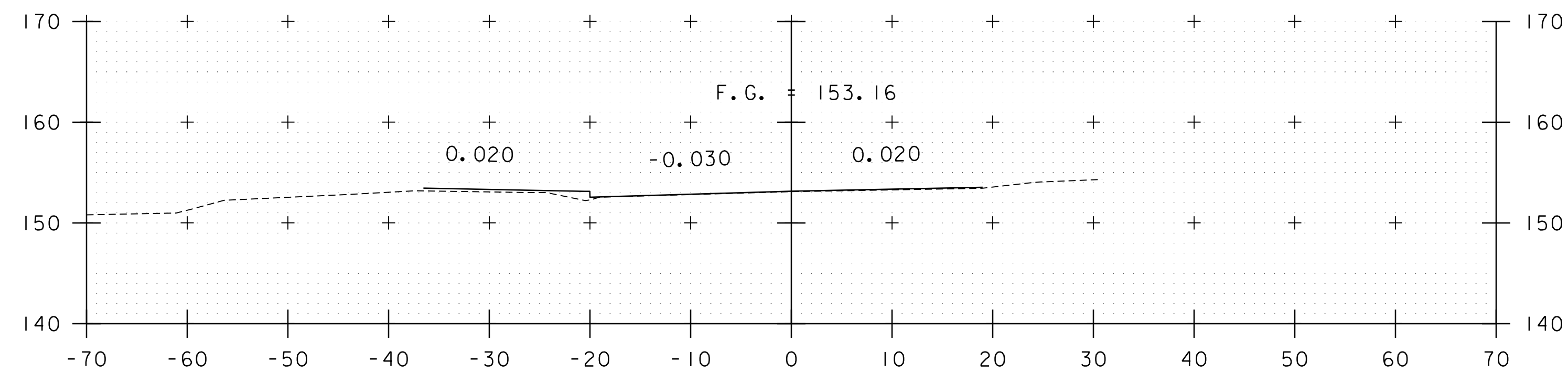
22+00



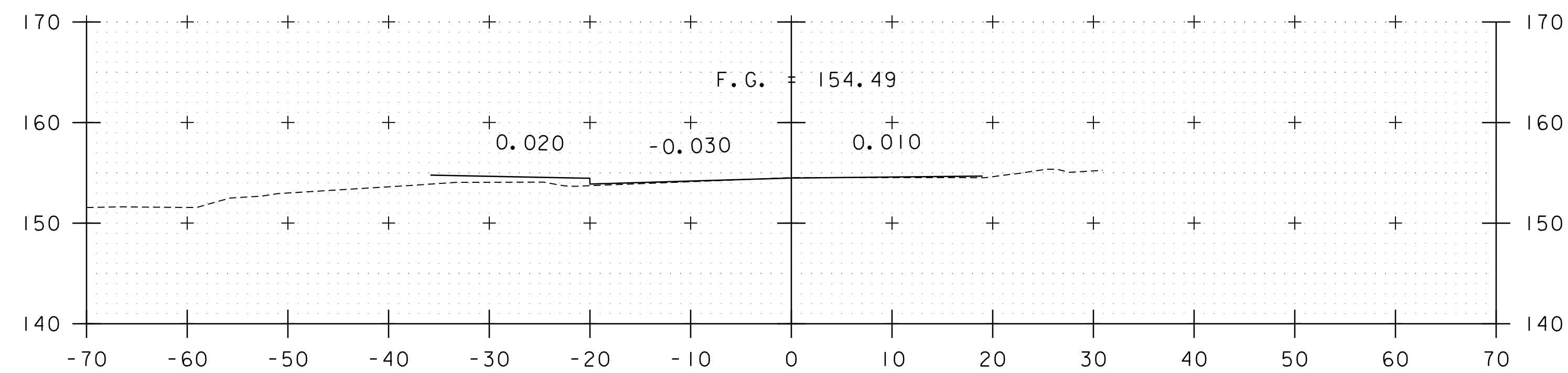
21+75



21+50



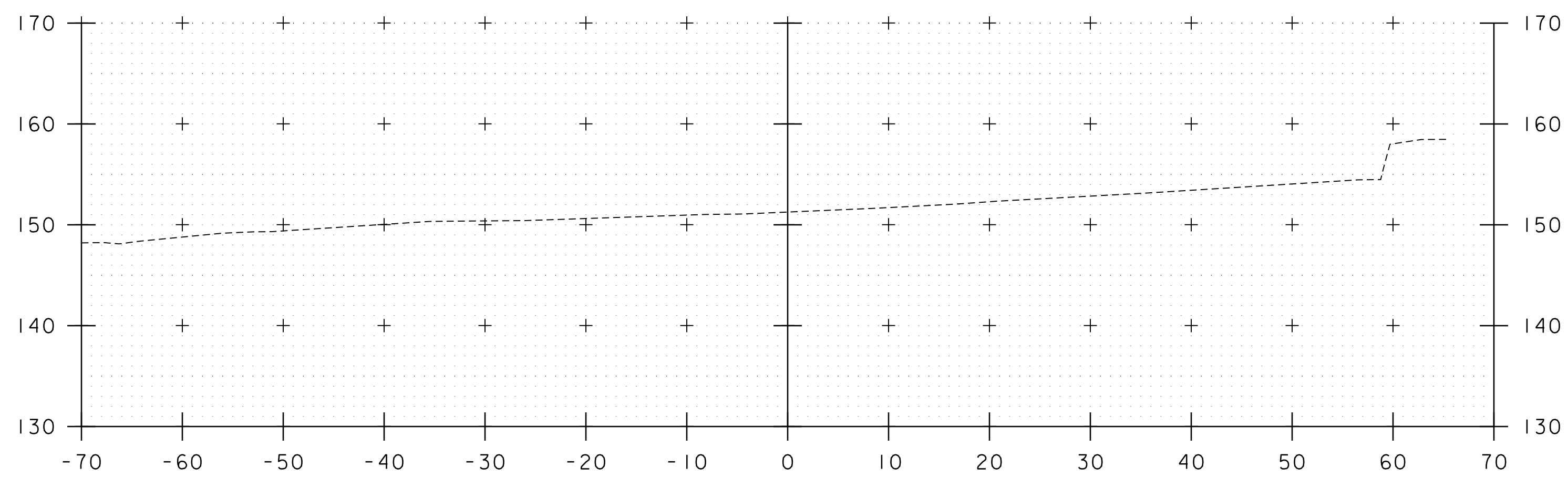
22+50



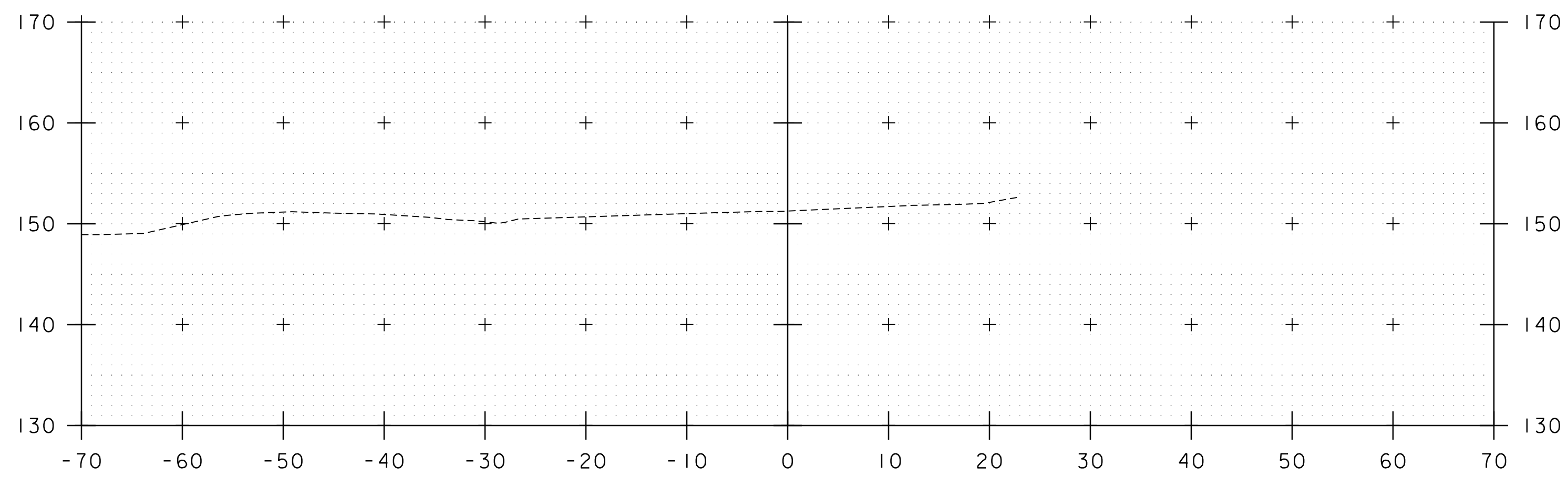
22+25

STA. 21+50 TO STA. 22+50

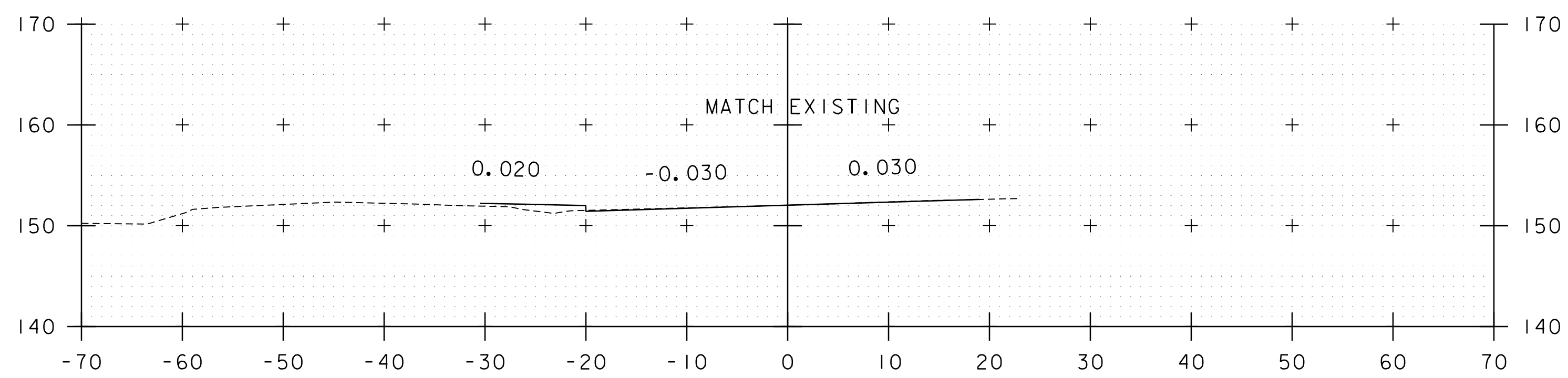
PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j351xs.Mill.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
MILL ST CROSS SECTION SHEET 2	SHEET 45 OF 46



23+25



23+00



22+75
LIMIT OF WORK

STA. 22+75 TO STA. 23+25

PROJECT NAME: BURLINGTON-WINOOSKI	
PROJECT NUMBER: BF RAIZ(2)	
FILE NAME: z22j351xs_Mill.dgn	PLOT DATE: 9-AUG-2023
PROJECT LEADER: J. OLUND	DRAWN BY: E. DAVIDSON
DESIGNED BY: E. DAVIDSON	CHECKED BY: S. SPEAR
MILL ST CROSS SECTION SHEET 3	SHEET 46 OF 46