

REVIEWER NOTES:

1. A 8 WEEK BRIDGE CLOSURE PERIOD IS ANTICIPATED.
2. NO RIGHT-OF-WAY ACQUISITION IS ANTICIPATED FOR THIS PROJECT

# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT BRIDGE PROJECT

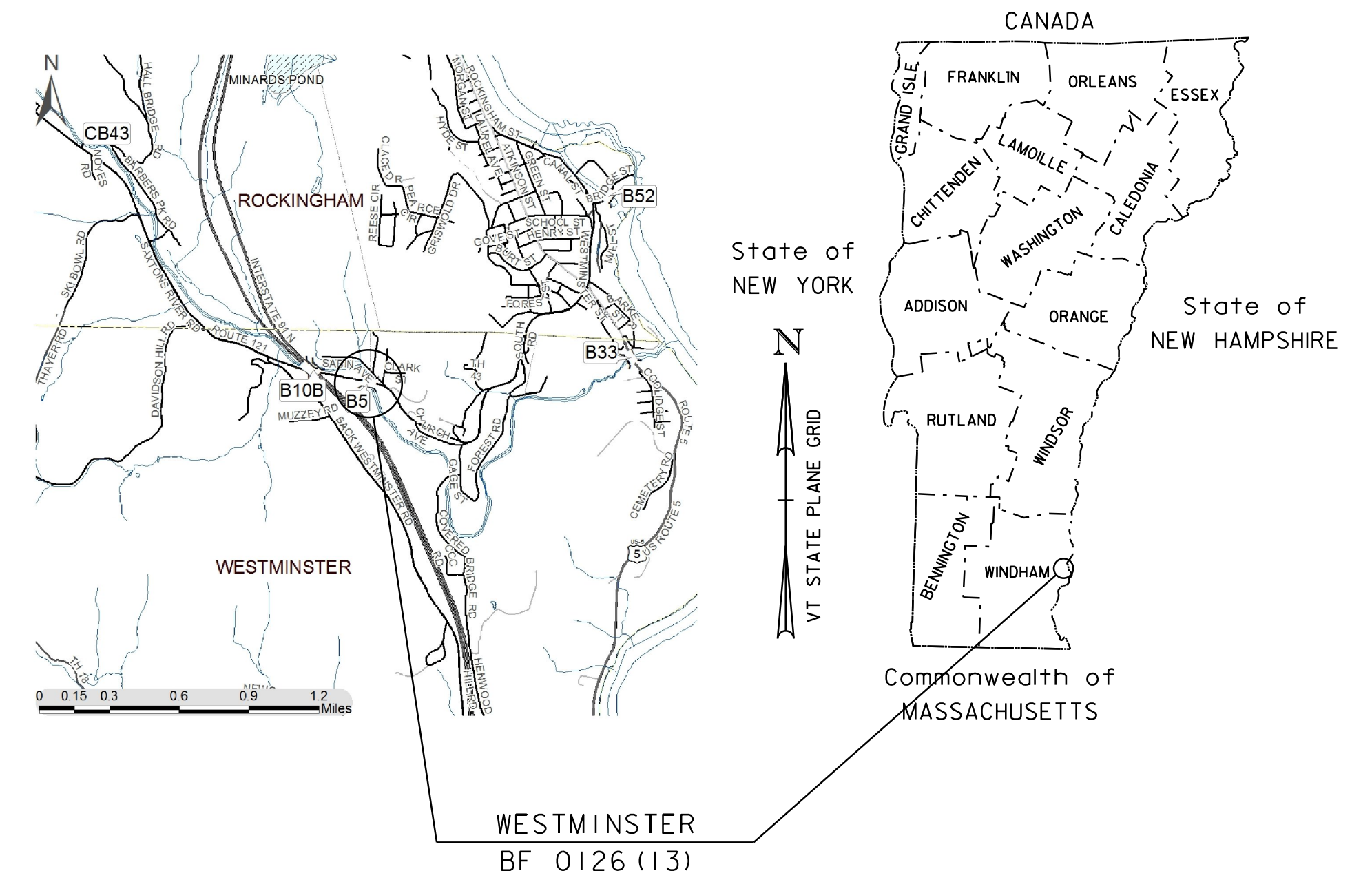
TOWN OF WESTMINSTER  
COUNTY OF WINDHAM

ROUTE NO : FAS ROUTE 0126 , MAJOR COLLECTOR (TH-1 (VT ROUTE 121) ,  
SAXTONS RIVER RD.) BRIDGE NO: 5

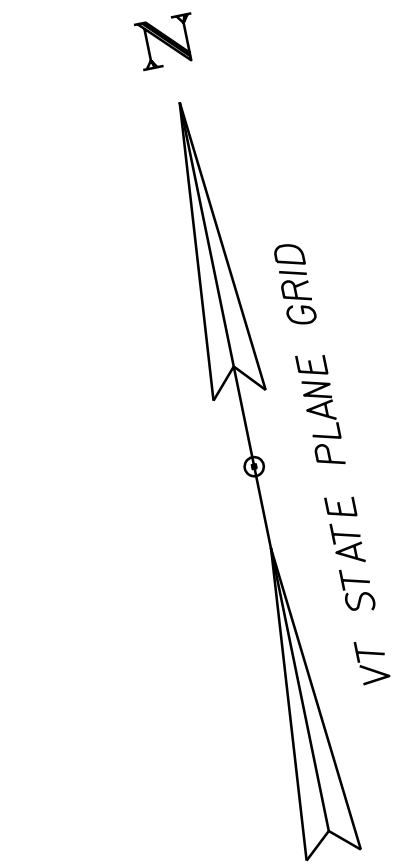
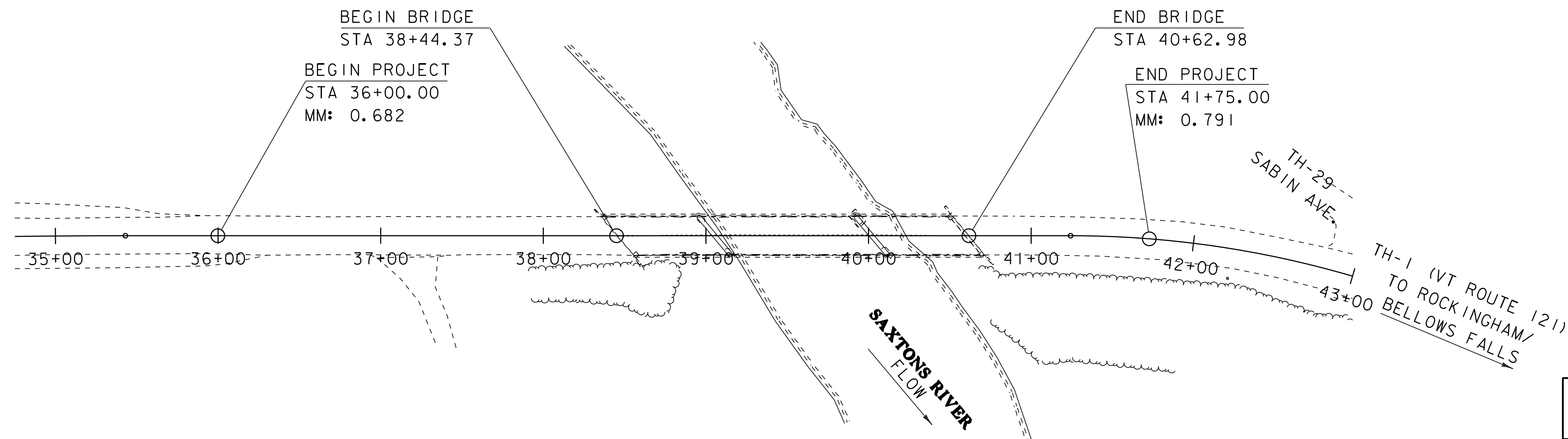
PROJECT LOCATION: LOCATED ON FAS ROUTE 0126 , BRIDGE 5 OVER SAXTONS RIVER ,  
APPROXIMATELY 1.5 MILES WEST OF THE JUNCTION WITH US ROUTE 5.

PROJECT DESCRIPTION: REHABILITATION OF THE EXISTING BRIDGE , ALONG WITH RELATED ROADWAY APPROACH WORK.

LENGTH OF STRUCTURE: 218.61 FEET  
LENGTH OF ROADWAY: 356.39 FEET  
LENGTH OF PROJECT: 575.00 FEET



TH-1 (VT ROUTE 121)  
TO ROCKINGHAM

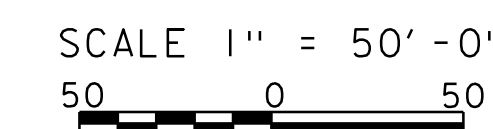


CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2018, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON APRIL 13, 2018 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

QUALITY ASSURANCE PROGRAM : LEVEL 2	
SURVEYED BY :	R. GILMAN
SURVEYED DATE :	01/24/2017
DATUM	
VERTICAL	NAVD88
HORIZONTAL	NAD 83 (2011)

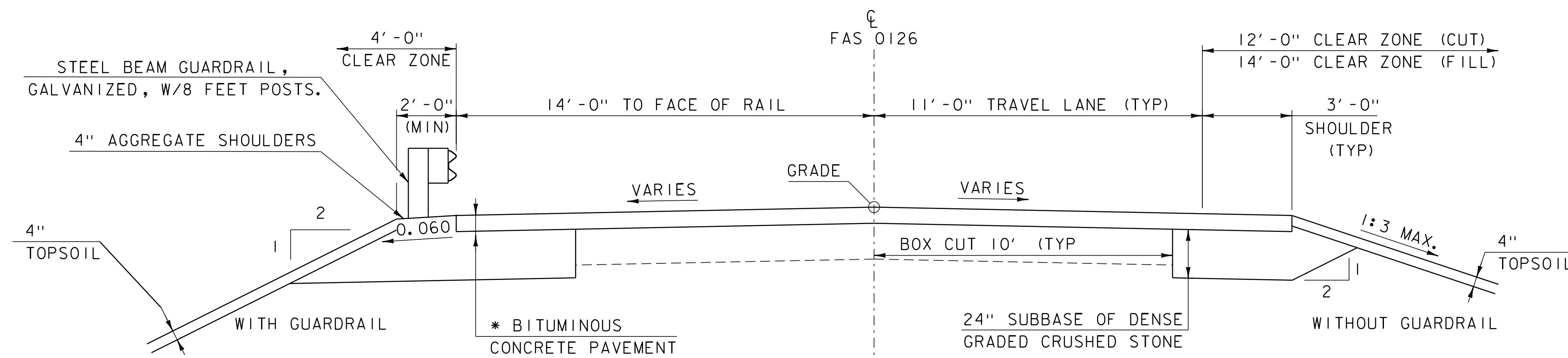
**PRELIMINARY PLANS**  
**29-MAR-2021**

HIGHWAY DIVISION, CHIEF ENGINEER	
APPROVED _____	DATE _____
PROJECT MANAGER :	J. B. MCCARTHY
PROJECT NAME :	WESTMINSTER
PROJECT NUMBER :	BF 0126 (13)
SHEET 1 OF 32 SHEETS	



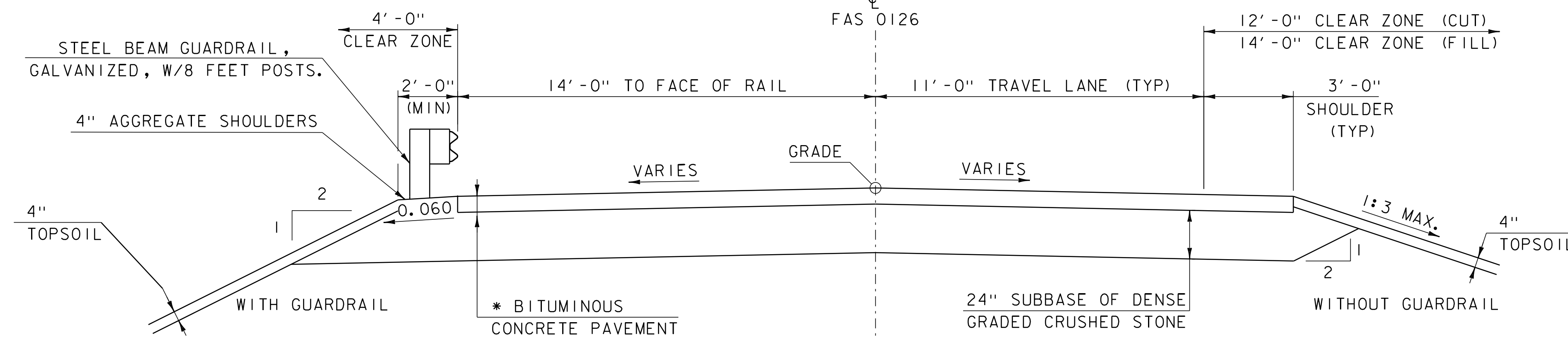






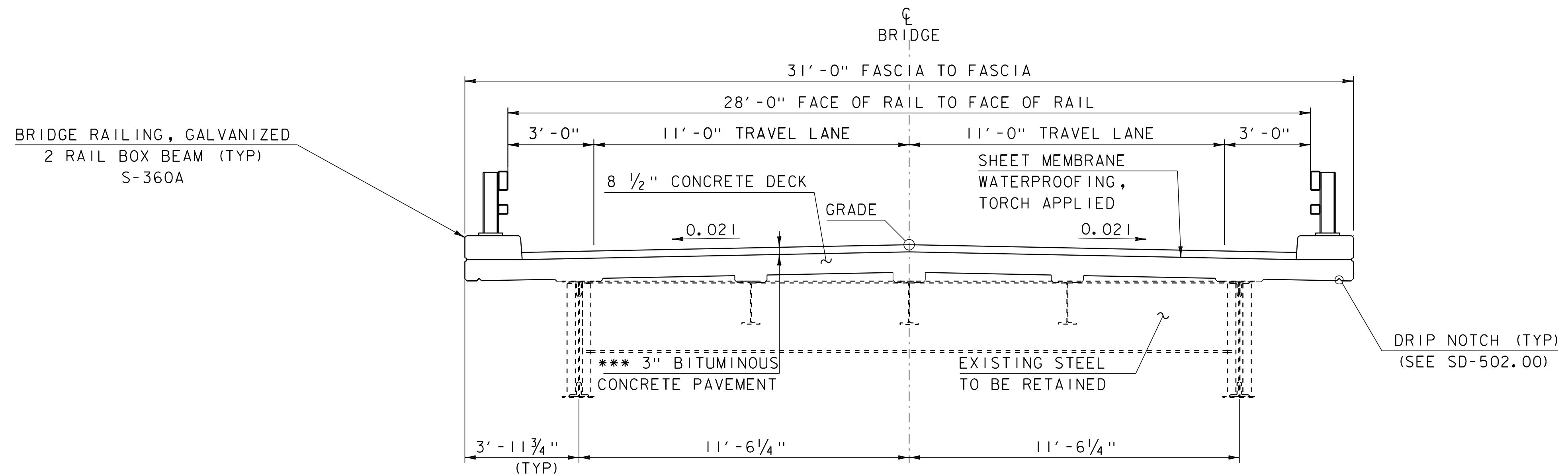
**FAS 0126 TYPICAL SECTION**

SCALE  $\frac{3}{8}'' = 1' - 0''$   
 STA 36+00 - STA 37+94.37  
 STA 41+13 - STA 41+75



**FAS 0126 TYPICAL SECTION**

SCALE  $\frac{3}{8}'' = 1' - 0''$   
 STA 37+94.37 - STA 38+44.37  
 STA 40+63 - STA 41+13



**BRIDGE 5 TYPICAL SECTION**

SCALE  $\frac{3}{8}'' = 1' - 0''$

\* SUPERPAVE BITUMINOUS CONCRETE PAVEMENT  
 1 1/2" TYPE IVB OVER  
 1 1/2" TYPE IVB OVER  
 3 1/2" TYPE IIS

NOTES:  
 THE GYRATION SPECIFICATION FOR SUPERPAVE BITUMINOUS CONCRETE SHALL BE 65.

\* SUPERPAVE BITUMINOUS CONCRETE PAVEMENT  
 1 1/2" TYPE IVB OVER  
 1 1/2" TYPE IVB OVER  
 3 1/2" TYPE IIS

NOTES:  
 THE GYRATION SPECIFICATION FOR SUPERPAVE BITUMINOUS CONCRETE SHALL BE 65.

\*\*\* SUPERPAVE BITUMINOUS CONCRETE PAVEMENT  
 1 1/2" TYPE IVB OVER  
 1 1/2" TYPE IVB

NOTES:  
 THE GYRATION SPECIFICATION FOR SUPERPAVE BITUMINOUS CONCRETE SHALL BE 65.

MATERIAL TOLERANCES (IF USED ON PROJECT)	
SURFACE	
- PAVEMENT (TOTAL THICKNESS)	+/- 1/4"
- AGGREGATE SURFACE COURSE	+/- 1/2"
SUBBASE	+/- 1"
SAND BORROW	+/- 1"

PROJECT NAME:	WESTMINSTER	PLOT DATE:	29-MAR-2021
PROJECT NUMBER:	BF 0126(I3)	DRAWN BY:	D.D.BEARD
FILE NAME:	I2J668\sl2j668+typical.dgn	DESIGNED BY:	H.I. SALLS
PROJECT LEADER:	J.B.MCCARTHY	CHECKED BY:	K. LIHC
TYPICAL SECTIONS		SHEET	3 OF 32

**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.

**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)
—	PROPOSED STATE R.O.W.
—	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**

—	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
—	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: WESTMINSTER

PROJECT NUMBER: BF 0126(I3)

FILE NAME: I2J668/sI2J668for.ms.dgn

PROJECT LEADER: J.B.MCCARTHY

DESIGNED BY: H.I. SALLS

SYMBOLGY LEGEND SHEET

PLOT DATE: 29-MAR-2021

DRAWN BY: M.LONGSTREET

CHECKED BY: K. LIHIC

SHEET 4 OF 32

NETWORK CONTROL

191 EXIT 5 AZ MK  
 NORTH = 212899.5900  
 EAST = 1650764.2200  
 ELEV. = 434.080

GENERAL LOCATION, WESTMINSTER, VT.  
 THE MARK IS SET IN THE INTERSTATE 91 MEDIAN AT MILE MARKER 28.05; ABOUT 0.5 MILES SOUTH OF THE 1-91 BRIDGES OVER WESTMINSTER STREET AT EXIT 5. IT IS SET 0.2 M BELOWGROUND SURFACE IN THE TOP OF A 0.8 M X 0.6 M ROCK OUTCROP. IT IS 3.5 M SOUTHWEST OF AND ABOUT 0.5 M LOWER THAN THE 1-91 SOUTHBOUND SOUTHWEST EDGE OF PAVEMENT, 9.3 M NORTHWEST OF THE 1-91 NORTHBOUND NORTHWEST EDGE OF PAVEMENT, AND 2.0 M NORTHWEST OF A FIBERGLASS WITNESS POST.

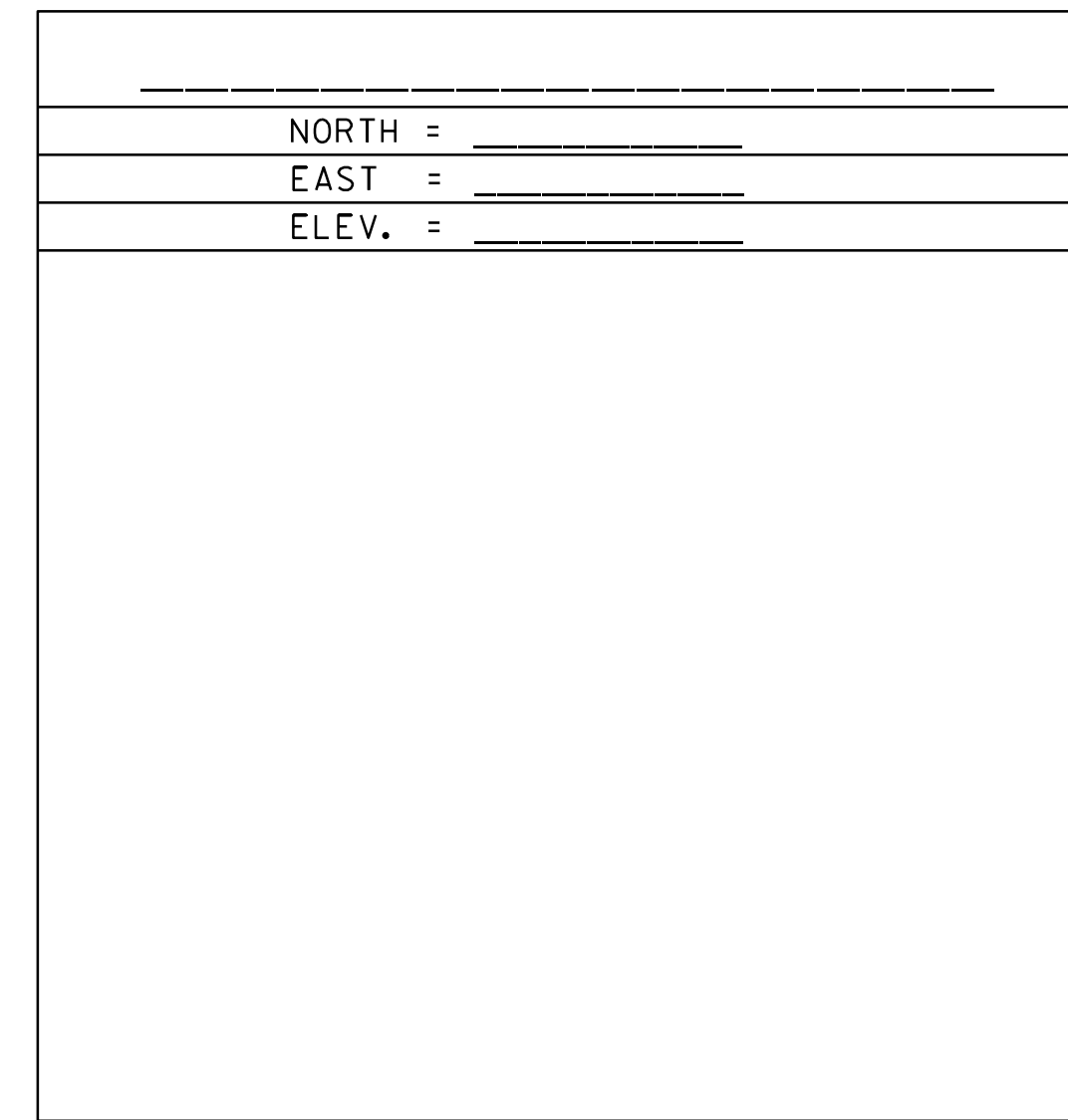
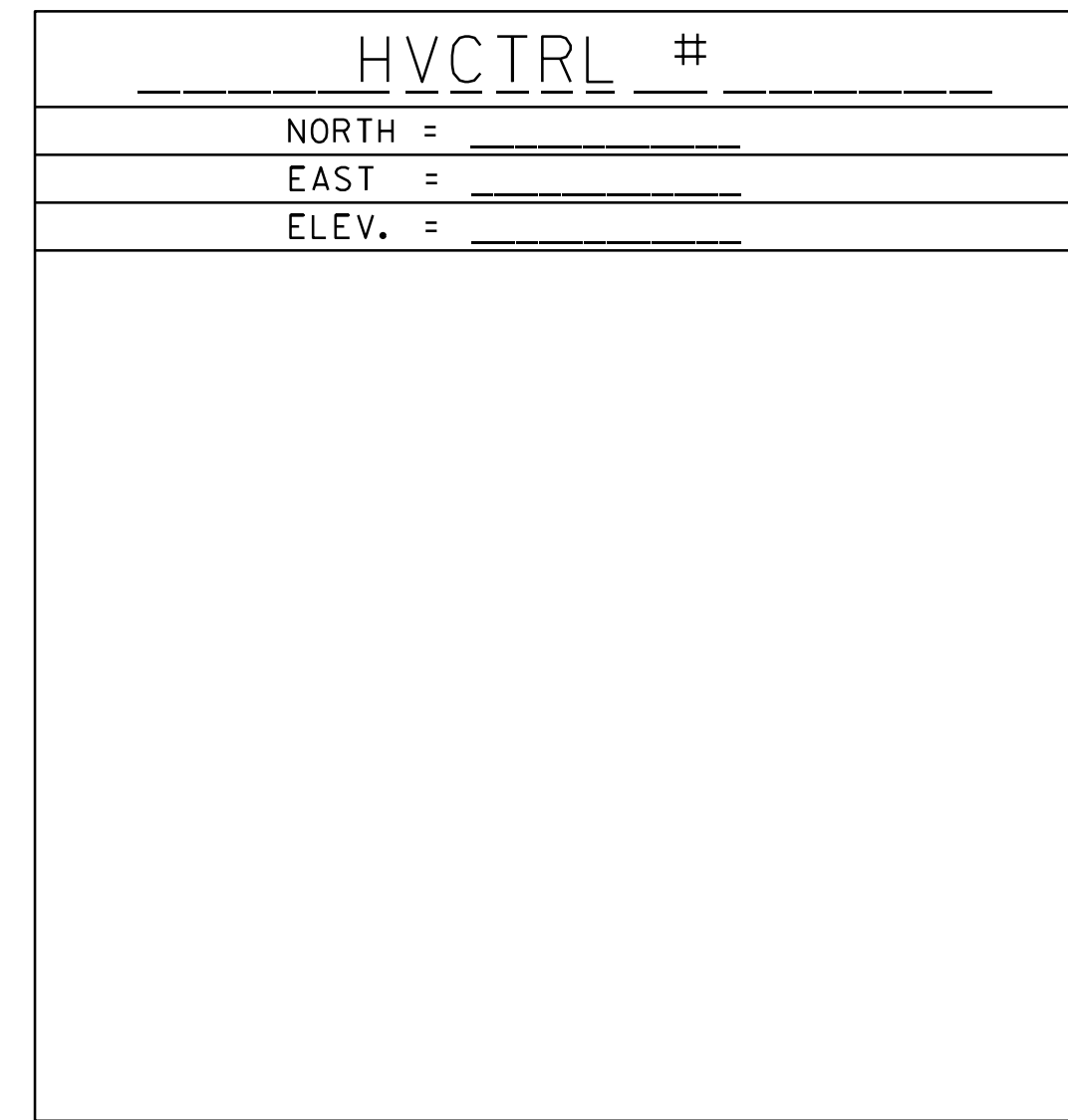
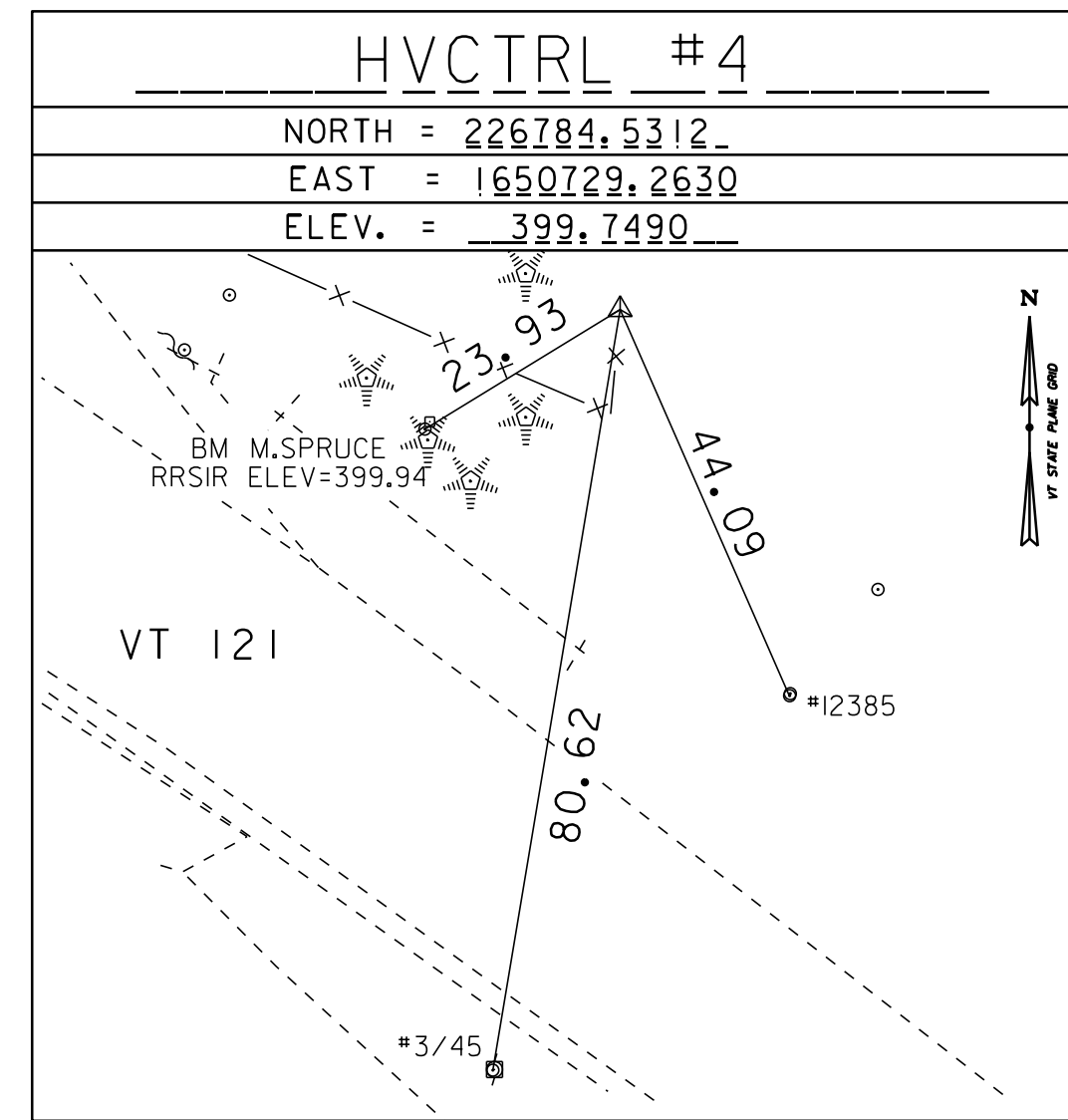
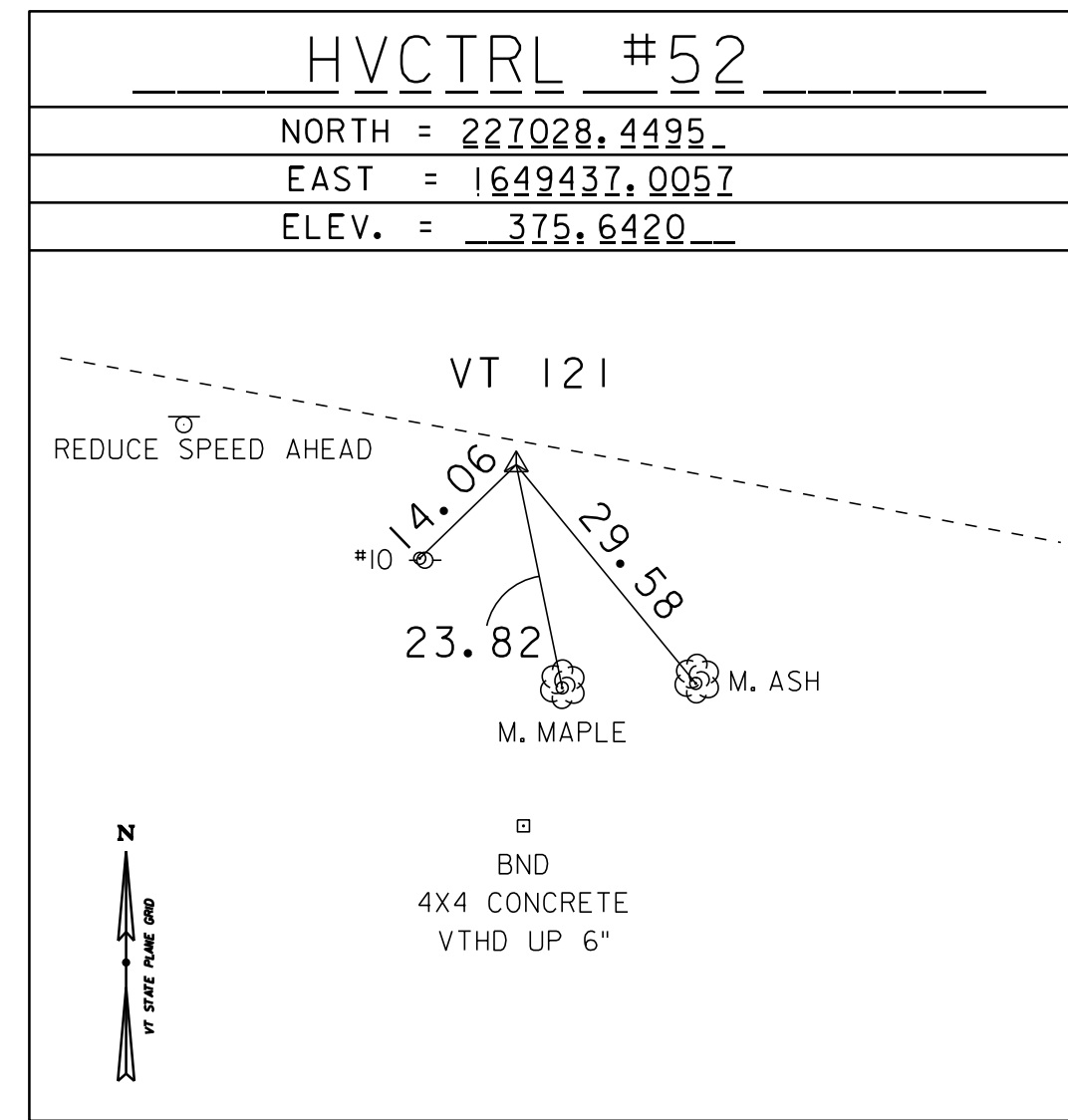
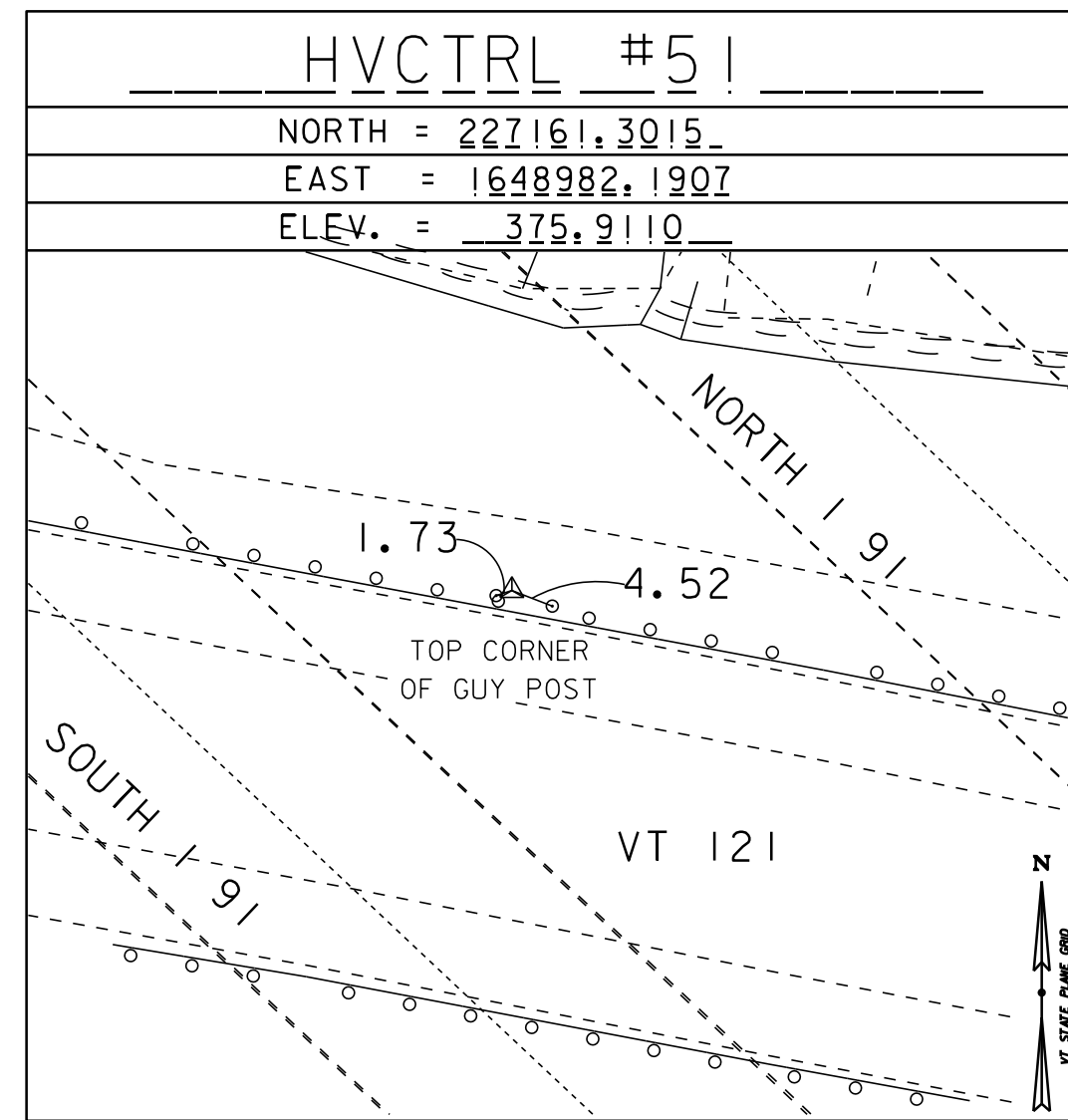
191 EXIT 5  
 NORTH = 215738.0400  
 EAST = 1652161.3900  
 ELEV. = 422.870

GENERAL LOCATION, WESTMINSTER, VT.  
 LOCATED IN THE TRIANGLE FORMED BY THE 1 91 SB LANE, THE 1 91 SB OFF-RAMP, AND THE 1-91 ACCESS ROAD TO US ROUTE 5 AT EXIT 5. IT IS 4.9 M NW OF AND ABOUT 0.8 M LOWER THAN THE NORTHWEST EDGE OF PAVEMENT OF THE SB LANE, 10.3 M SE OF THE SOUTHWEST EDGE OF PAVEMENT OF THE OFF-RAMP, 14.2 M WSW OF THE NORTHEAST END OF THE METAL GUARD RAIL POST, 23.5 M NNE OF MILE MARKER 28.65, 34.9 M ENE OF A WRONG WAY SIGN FOR THE OFF-RAMP, AND 4.5 M NW OF A FIBERGLASS WITNESS.

HVCTRL #3  
 SAXTON  
 NORTH = 227024.3500  
 EAST = 1649716.4800  
 ELEV. = 371.7600

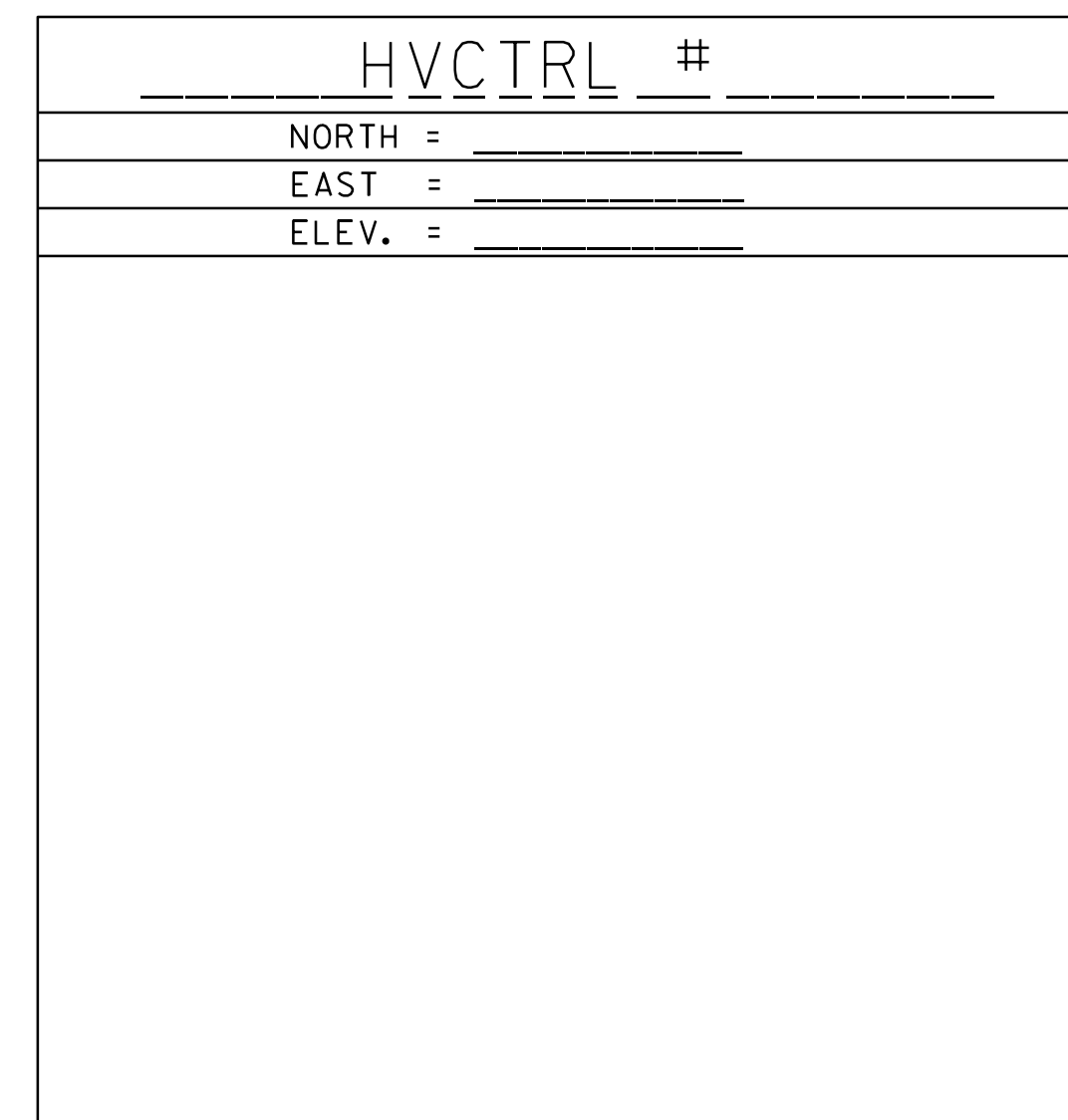
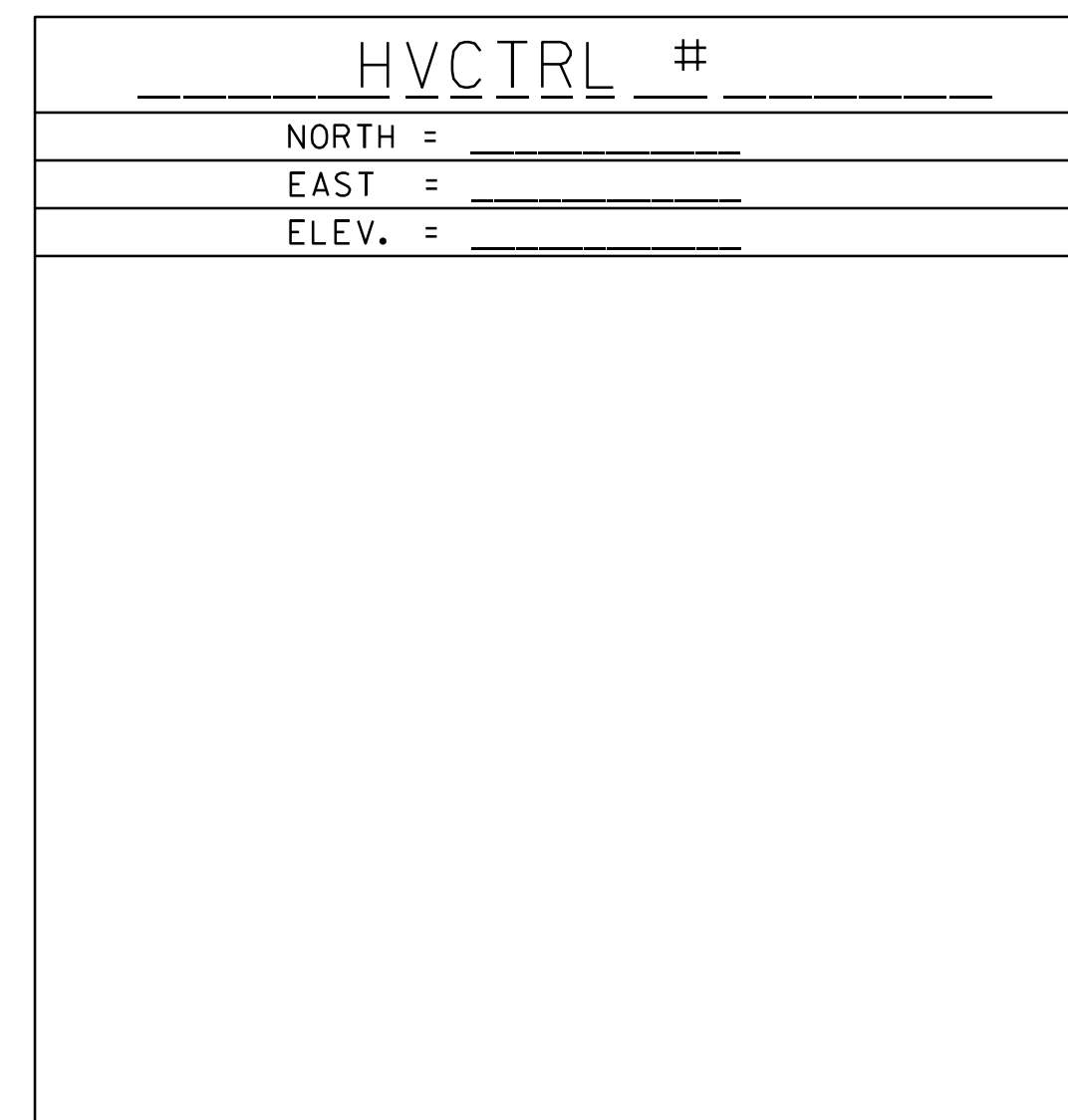
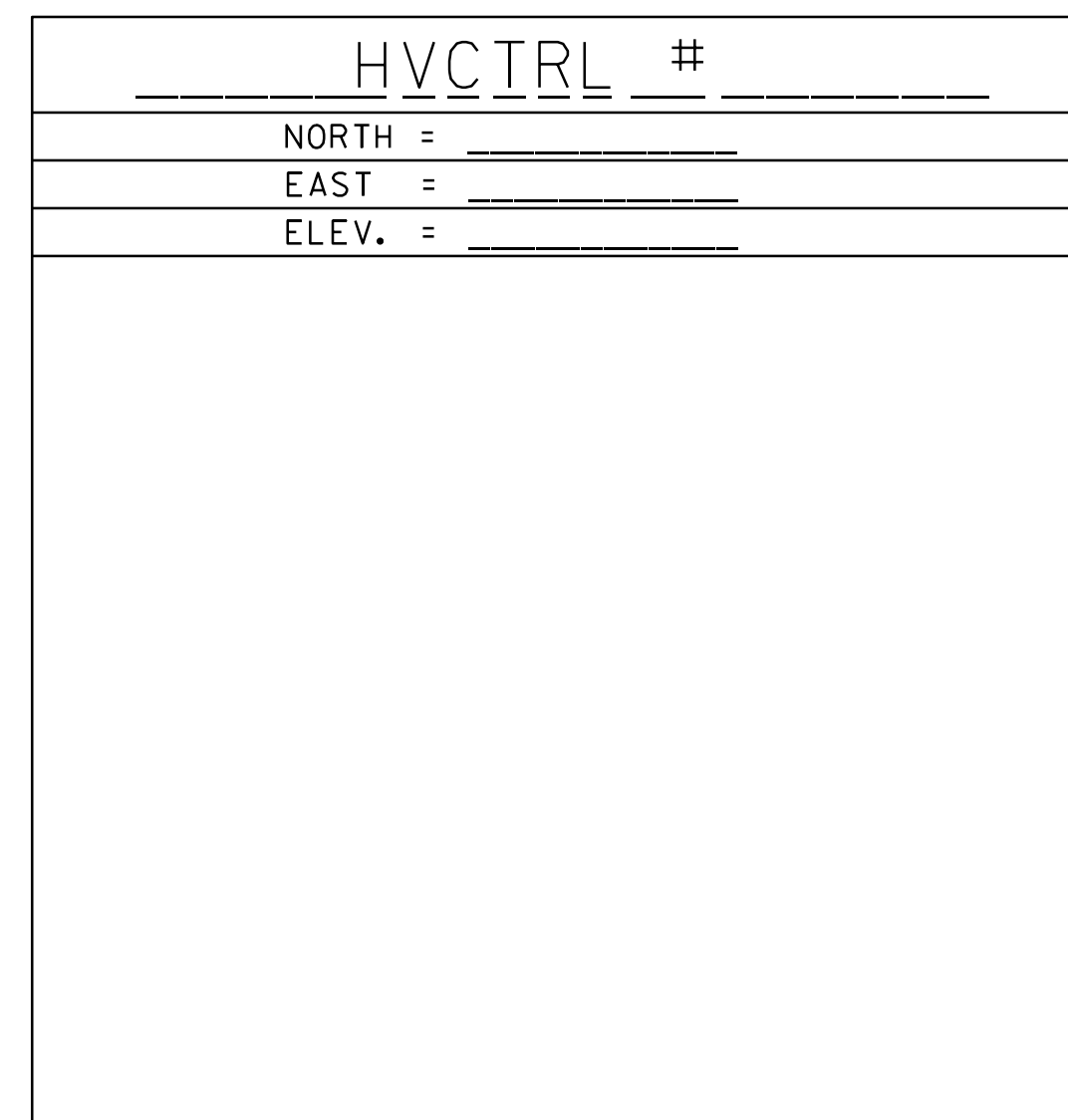
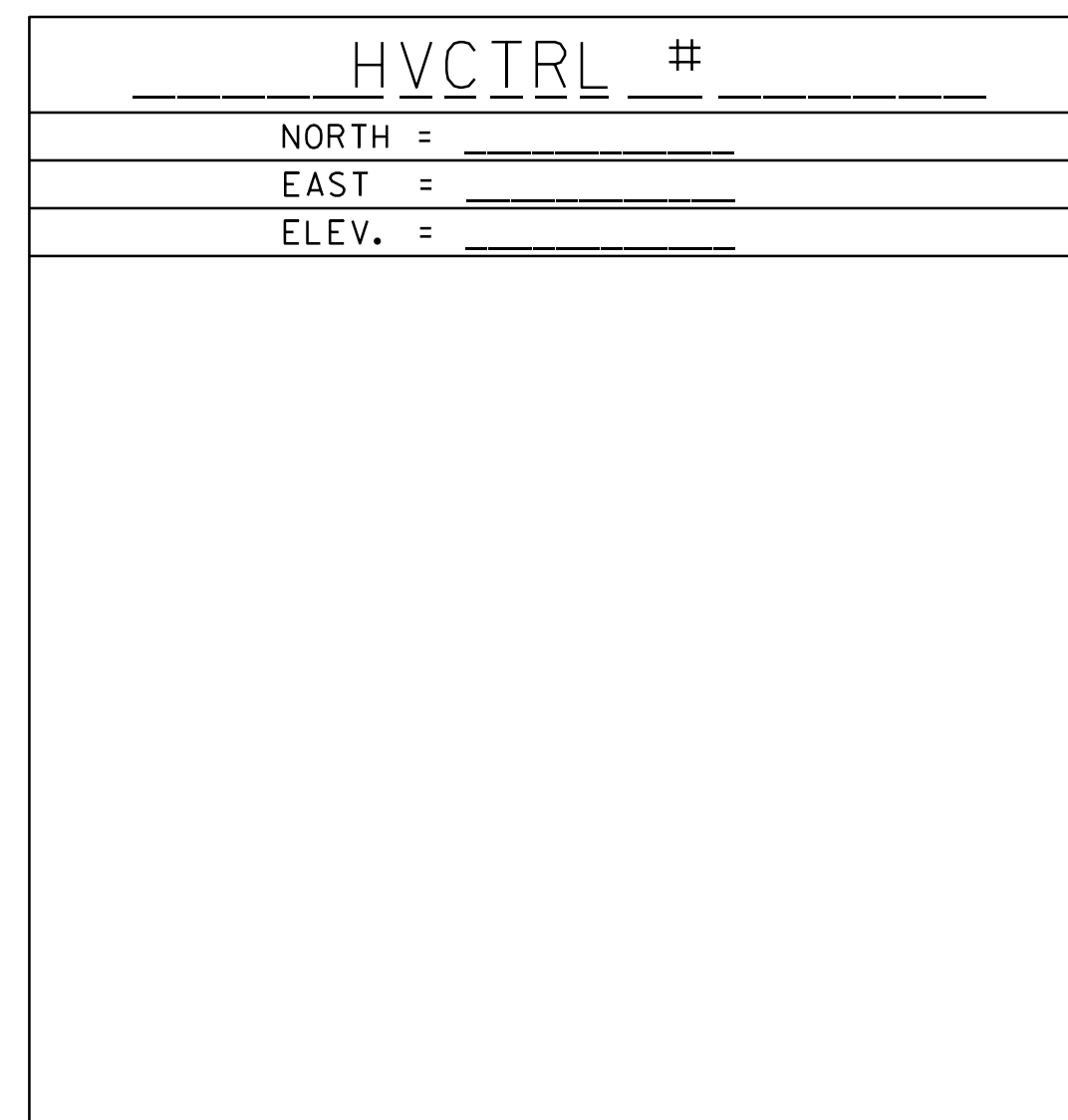
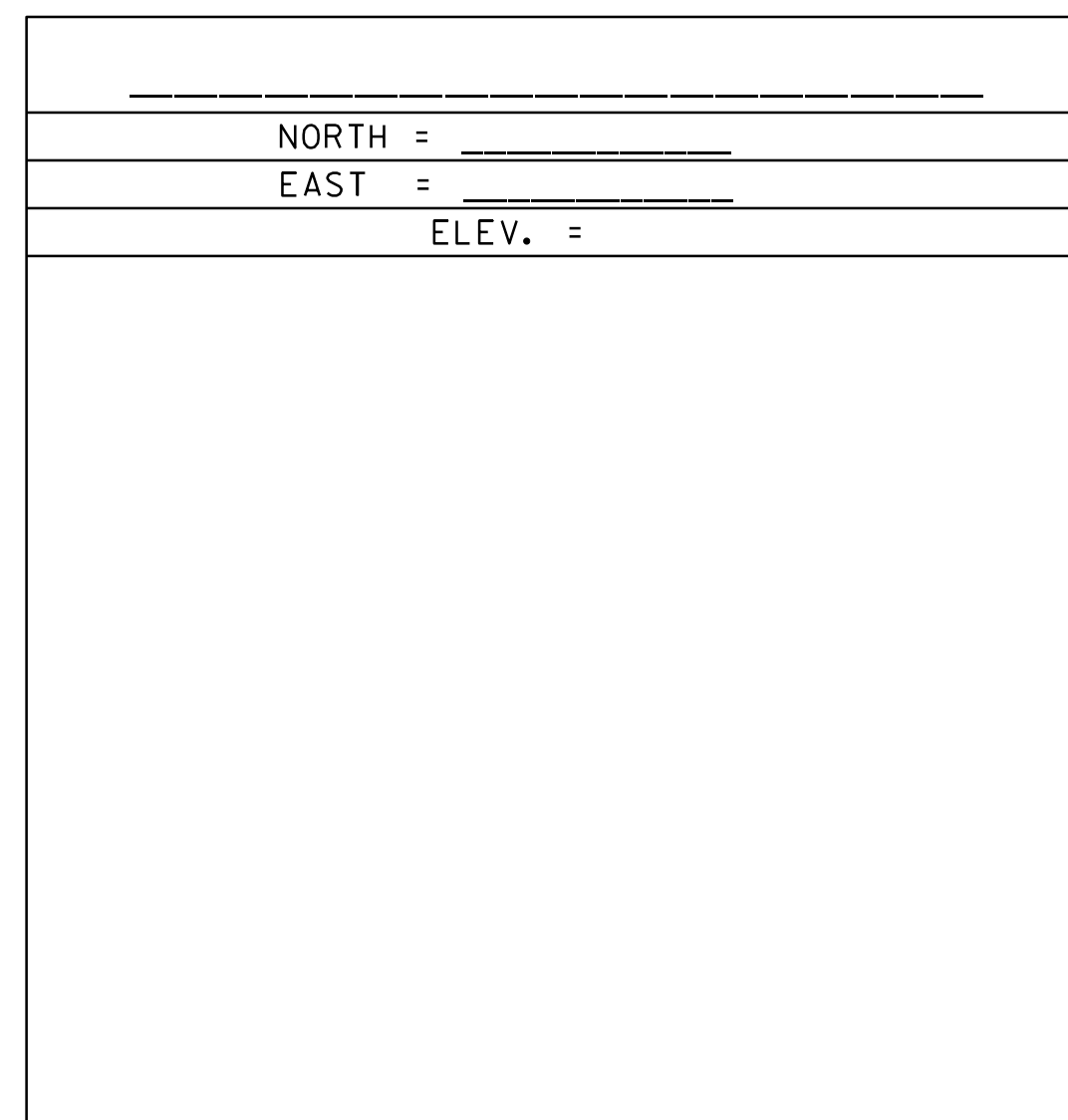
GENERAL LOCATION WESTMINSTER, VT.  
 TO REACH FROM THE 1-91 NORTHBOUND BRIDGE OVER VT ROUTE 121 GO SOUTHEAST ALONG VT ROUTE 121 FOR 0.15 MI TO THE SITE OF THE MARK ON THE LEFT. THE MARK IS SET 12 CM BELOW GROUND SURFACE IN THE TOP OF A FENO-STYLE MONUMENT. IT IS 7.3 M (24.0 FT) NORTHEAST OF AND 0.1 M (0.3 FT) LOWER THAN THE CENTER LINE OF VT ROUTE 121, 20.4 M (66.9 FT) EAST OF POLE NO 9 AND 0.1 M (0.3 FT) SOUTHWEST OF A FIBERGLASS WITNESS POST.

LOCAL CONTROL



\*MAIN TRAVERSE COMPLETED 09/16/2015 BY R. GILMAN P.C., P. WINTERS & C. CYR (13A098) PT # 4 ESTABLISHED 01/25/2017

LOCAL CONTROL



DATUM  
 VERTICAL NAVD88  
 HORIZONTAL NAD83(2011)  
 ADJUSTMENT NONE

PROJECT NAME: WESTMINSTER  
 PROJECT NUMBER: BFO126(13)  
 FILE NAME: X12J668  
 PROJECT LEADER: J.FITCH  
 DESIGNED BY: VTRANS  
 TIE SHEET  
 PLOT DATE: 29-MAR-2021  
 DRAWN BY: H. MCGOWAN  
 CHECKED BY:  
 SHEET 5 OF 32

**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
- S 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"
- VS Field Vane Shear Test
- US 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**

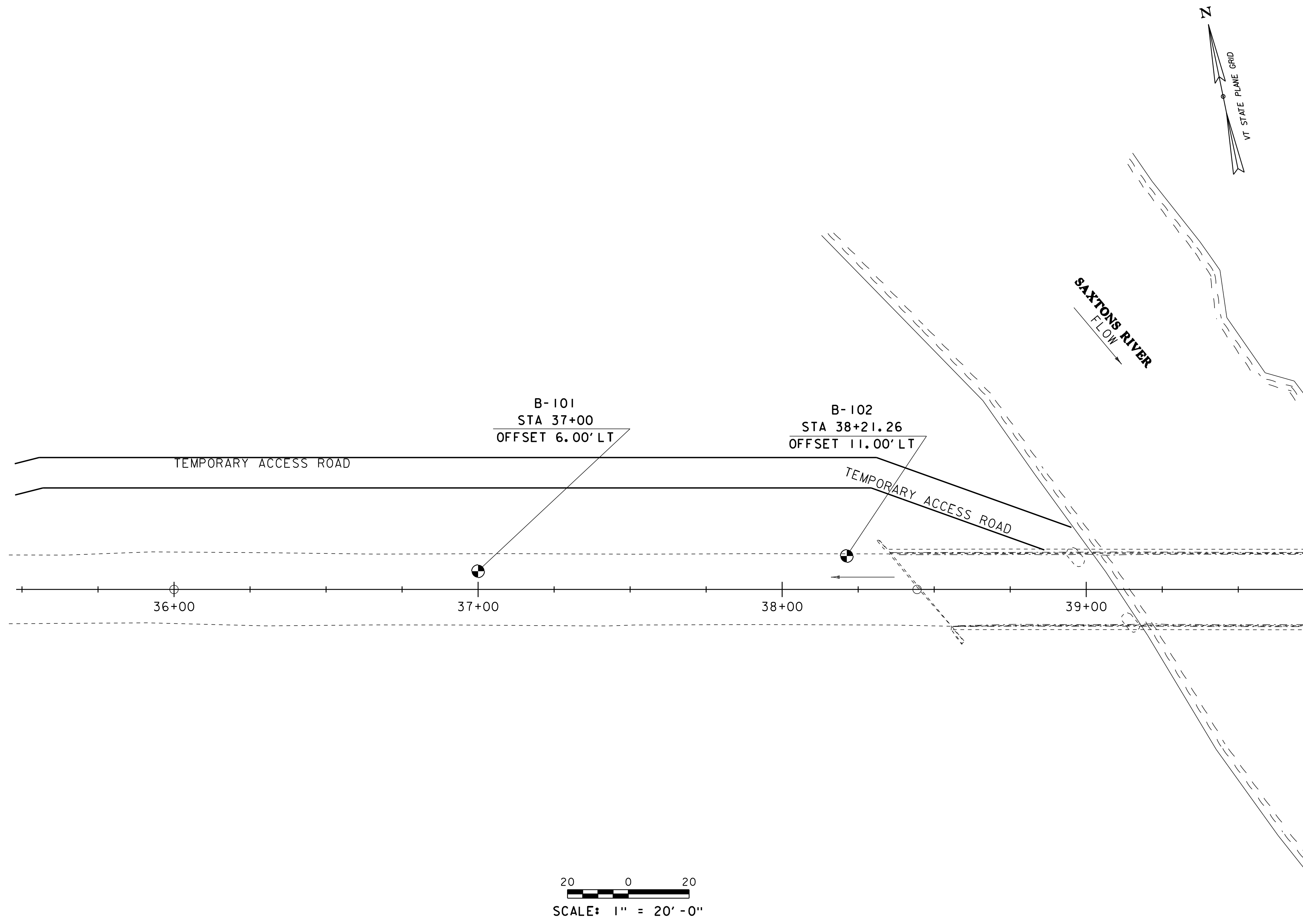
- blk Black
- bl Blue
- brn Brown
- dk Dark
- gr'y Gray
- gn Green
- lt Light
- or Orange
- pnk Pink
- pu Purple
- rd Red
- tn Tan
- wh White
- yel Yellow
- mltc Multicolored

**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).
- SLT** - 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**

- Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
- 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.
- 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.
- 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.
- 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.
- Northing and Easting coordinates are shown in Vermont State Plane Grid North American Datum 1983 in meters and survey feet.



**BORING CHART**

HOLE NO.	NORTHING	EASTING	GROUND ELEVATION	ELEV. TLOB
B-101	226939.87	1650042.65		
B-102	226920.46	1650162.45		

PROJECT NAME: WESTMINSTER

PROJECT NUMBER: BF 0126(13)

FILE NAME: sl2J668Bor.dgn  
PROJECT LEADER: J. B. MCCARTHY  
DESIGNED BY: K. LIHC  
BORING INFORMATION 1

PLOT DATE: 29-MAR-2021  
DRAWN BY: K. LIHC  
CHECKED BY:  
SHEET 6 OF 32

**SOIL CLASSIFICATION**

**AASHTO**

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**ROCK QUALITY DESIGNATION**

R.Q.D. (%)	ROCK DESCRIPTION
<25	Very Poor
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>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**

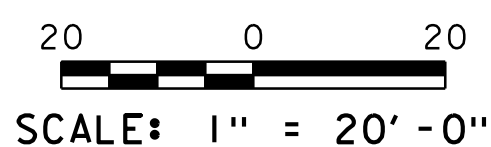
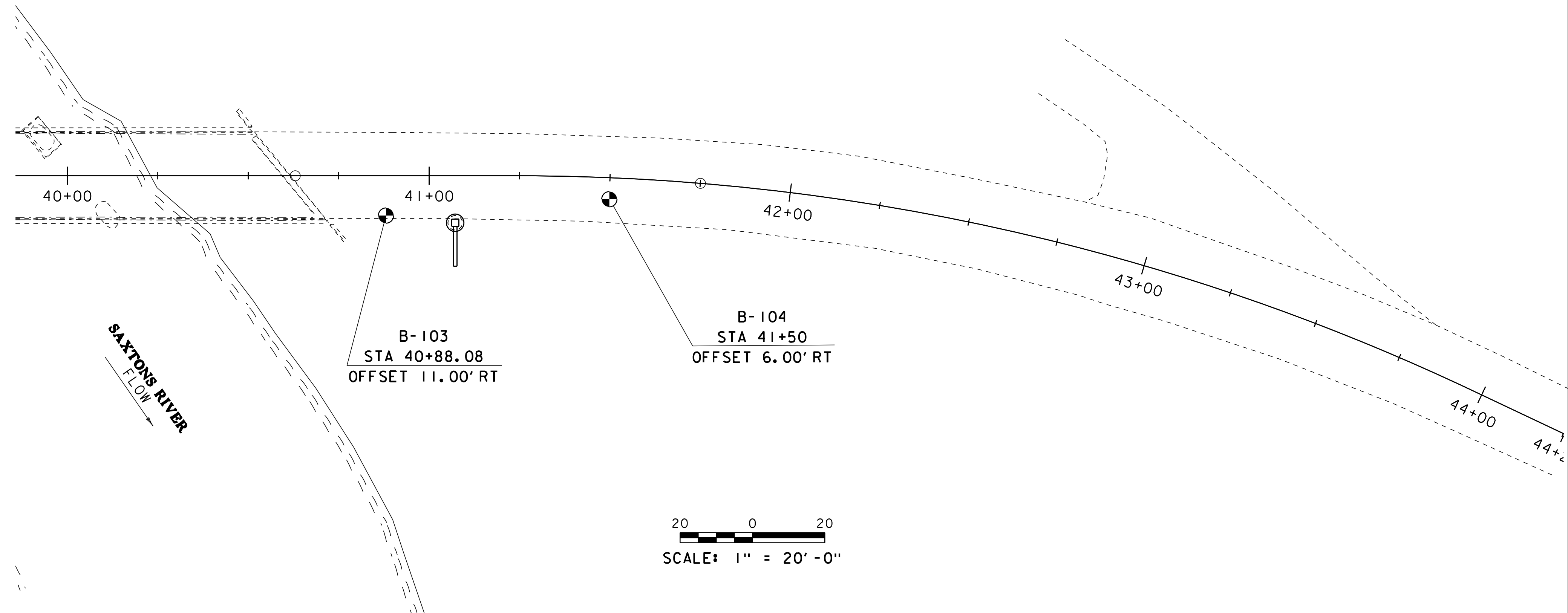
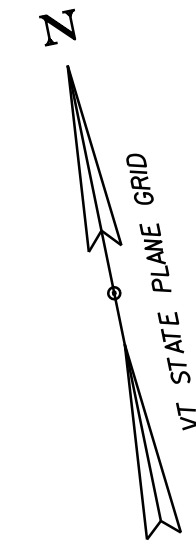
DENSITY (GRANULAR SOILS)		CONSISTENCY (COHESIVE SOILS)	
N	DESCRIPTIVE TERM	N	DESCRIPTIVE TERM
<5	Very Loose	<2	Very Soft
5-10	Loose	2-4	Soft
11-24	Med. Dense	5-8	Med. Stiff
25-50	Dense	9-15	Stiff
>50	Very Dense	16-30	Very Stiff
		31-60	Hard
		>60	Very Hard

**COMMONLY USED SYMBOLS**

- ▼ Water Elevation
- ⊕ Standard Penetration Boring
- ⊗ Auger Boring
- ⊙ Rod Sounding
- S 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"
- VS Field Vane Shear Test
- US 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
- 1/2 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
gr	Gray	wh	White
gn	Green	yel	Yellow
lt	Light	mltc	Multicolored
or	Orange		



**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 > 0.0029" (#200 sieve).
- SILT** - Soil < 0.0029" (#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**

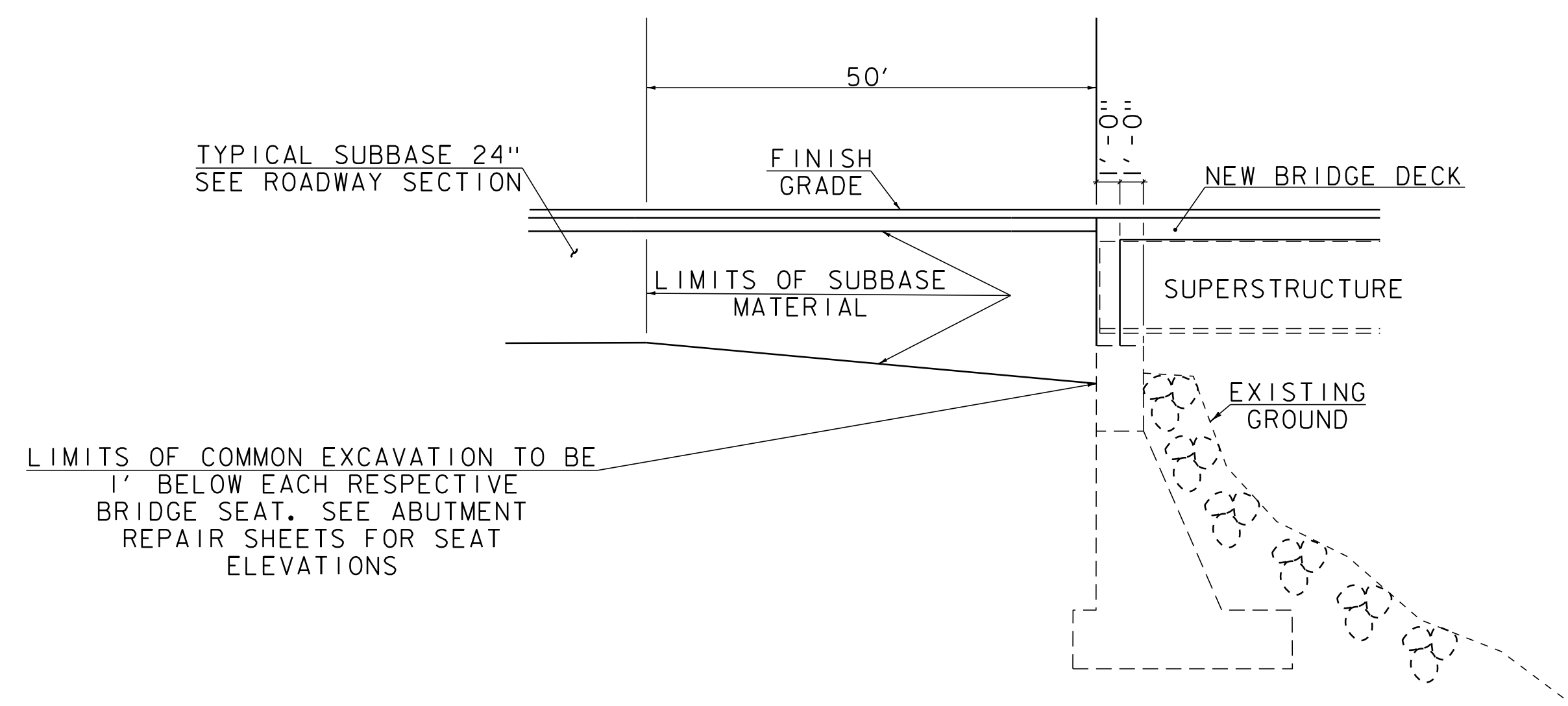
1. Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.
2. 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.
3. 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.
4. 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.
5. 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.
6. Northing and Easting coordinates are shown in Vermont State Plane Grid North American Datum 1983 in meters and survey feet.

**BORING CHART**

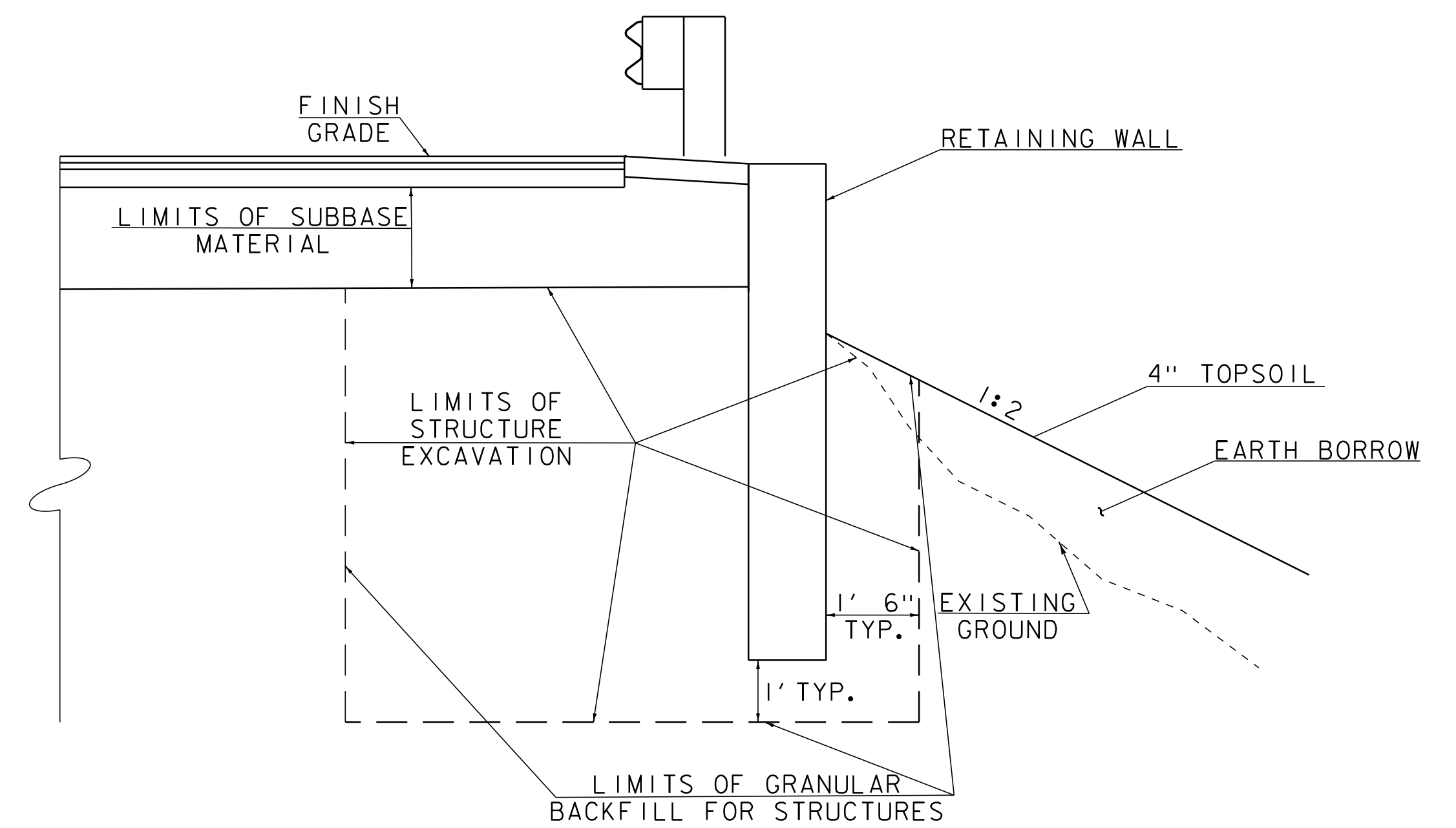
HOLE NO.	NORTHING	EASTING	GROUND ELEVATION	ELEV. TLOB
B-103	226845.40	1650419.44		
B-104	226837.46	1650480.83		

PROJECT NAME: WESTMINSTER  
 PROJECT NUMBER: BF 0126(13)  
 FILE NAME: sl2J68Bor.dgn PLOT DATE: 29-MAR-2021  
 PROJECT LEADER: J. B. MCCARTHY DRAWN BY: K. LIHC  
 DESIGNED BY: K. LIHC CHECKED BY:  
 BORING INFORMATION 2 SHEET 7 OF 32





**ABUTMENT EARTHWORK TYPICAL SECTION**  
(NOT TO SCALE)



**RETAINING WALL TYPICAL SECTION**  
(NOT TO SCALE)

**NOTES:**  
THE LIMITS OF EXCAVATION AND BACKFILL WILL BE DETERMINED BY THE MANUFACTURER OF THE RETAINING WALL.

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126 (13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: JB McCarthy	DRAWN BY: HISALLS
DESIGNED BY: HISALLS	CHECKED BY: K. LIHIC
EARTHWORK TYPICAL SECTION	SHEET 8 OF 32



REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 35+69.4 - STA 38+00.0 LT  
 STA 37+40.7 - STA 38+00.0 RT

HD STEEL BEAM GUARDRAIL,  
 GALVANIZED (W/8' POST)  
 STA 35+66.7 - STA 38+00.0 LT  
 STA 37+44.0 - STA 38+00.0 RT

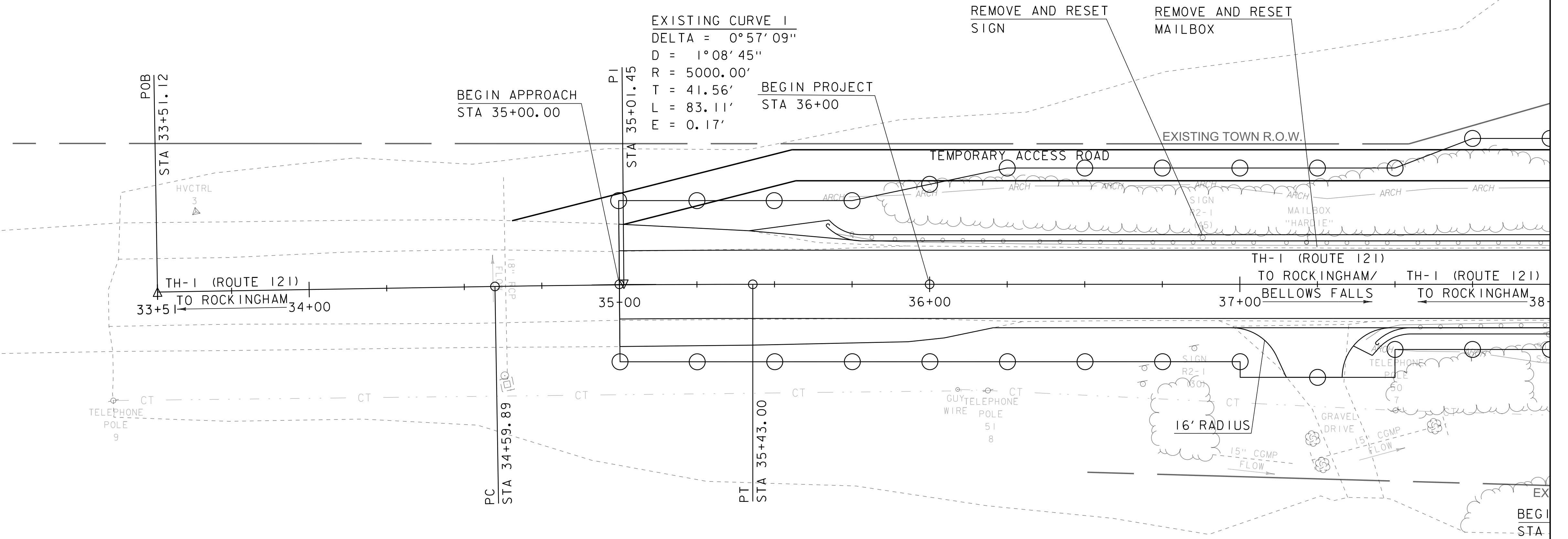
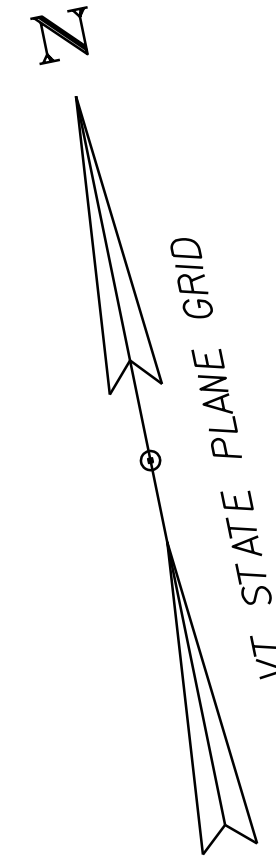
ANCHOR FOR STEEL BEAM RAIL  
 STA 35+65.1 LT  
 STA 37+38.9 RT

PAVED APRON  
 STA 37+26.00 RT

COARSE MILLING, BITUMINOUS  
 CONCRETE PAVMENT  
 STA 35+00 - STA 38+00

DURABLE 4 INCH WHITE LINE  
 STA 35+00 - STA 38+00

DURABLE 4 INCH YELLOW LINE  
 STA 35+00 - STA 38+00



MATCH LINE  
 STA 38+00.00

LAYOUT

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

PROJECT NAME: WESTMINSTER	PLOT DATE: 29-MAR-2021
PROJECT NUMBER: BF 0126(13)	DRAWN BY: D.D.BEARD
FILE NAME: I2J668/sI2J668border.dgn	CHECKED BY: K. LIHIC
PROJECT LEADER: J.B.MCCARTHY	SHEET 9 OF 32
DESIGNED BY: H.I. SALLS	LAYOUT SHEET 1

REMOVAL AND DISPOSAL OF GUARDRAIL  
 STA 38+00.0 - STA 38+35.0 LT  
 STA 38+00.0 - STA 38+55.0 RT  
 STA 40+51.8 - STA 40+94.9 LT  
 STA 40+71.9 - STA 42+68.2 RT

DURABLE 4 INCH WHITE LINE  
 STA 38+00 - STA 42+75

DURABLE 4 INCH YELLOW LINE  
 STA 38+00 - STA 42+75

HD STEEL BEAM GUARDRAIL,  
 GALVANIZED (W/8' POST)  
 STA 38+00.0 - STA 38+03.3 LT  
 STA 38+00.0 - STA 38+27.3 RT  
 STA 40+80.1 - STA 41+01.9 LT  
 STA 41+04.1 - STA 42+98.9 RT

ANCHOR FOR STEEL BEAM RAIL  
 STA 40+96.5 LT  
 STA 42+98.5 RT

GUARDRAIL APPROACH SECTION,  
 GALVANIZED 2 RAIL BOX BEAM  
 STA 38+03.3 - STA 38+32.4 LT  
 STA 38+27.3 - STA 38+56.4 RT  
 STA 40+51.0 - STA 40+80.1 LT  
 STA 40+75.0 - STA 41+04.1 RT

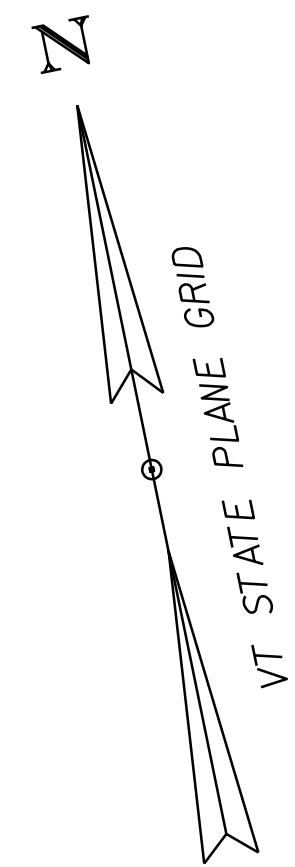
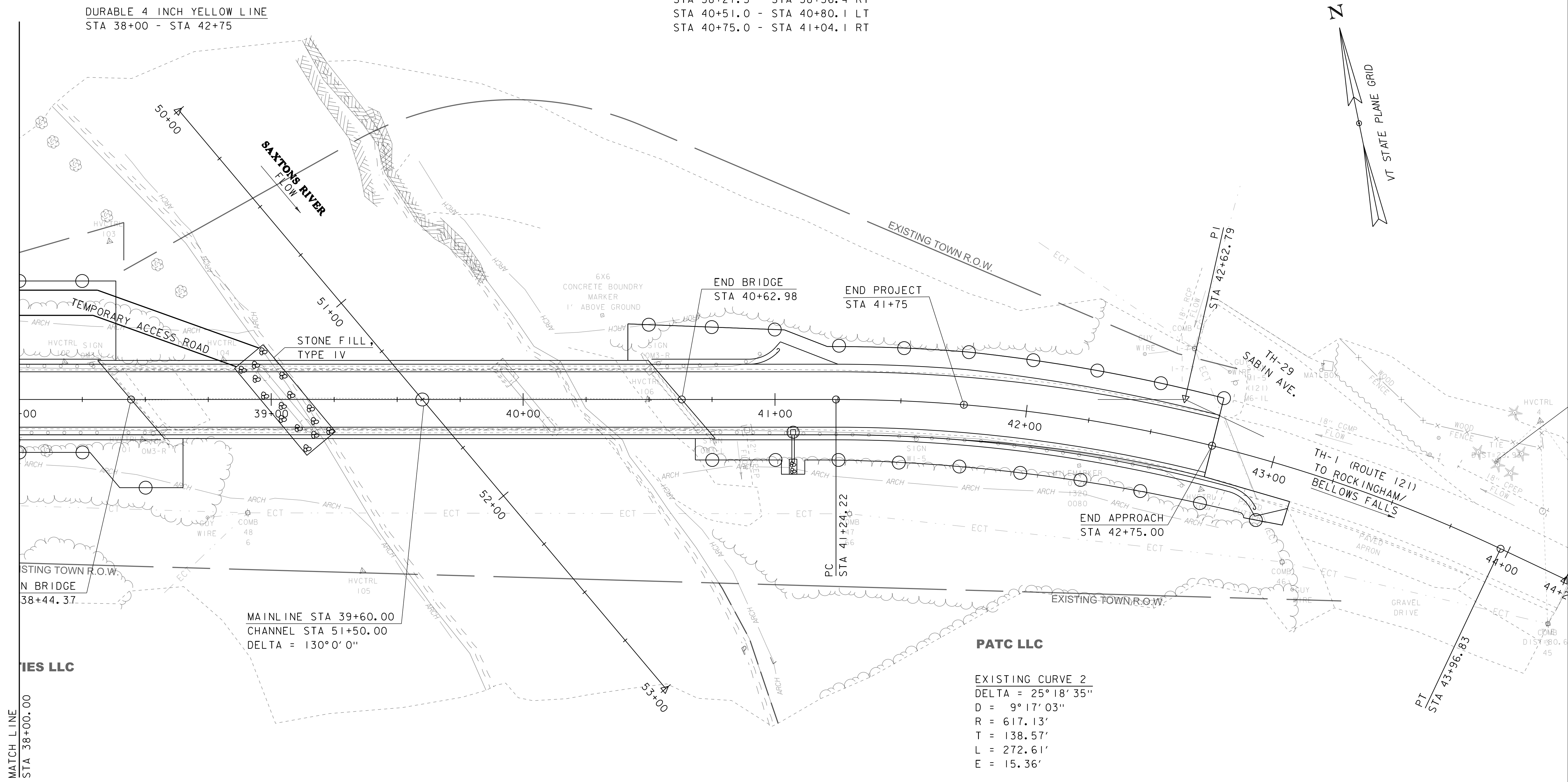
BRIDGE RAILING, GALVANIZED  
 2 RAIL BOX BEAM  
 STA 38+32.4 - STA 40+51.0 LT  
 STA 38+56.4 - STA 40+75.0 RT

COARSE MILLING, BITUMINOUS  
 CONCRETE PAVMENT  
 STA 41+00 - STA 42+75

PRECAST REINFORCED CONCRETE  
 DROP INLET WITH CAST IRON GRATE  
 STA 41+07 RT

18" CPEP  
 STA 41+07 RT

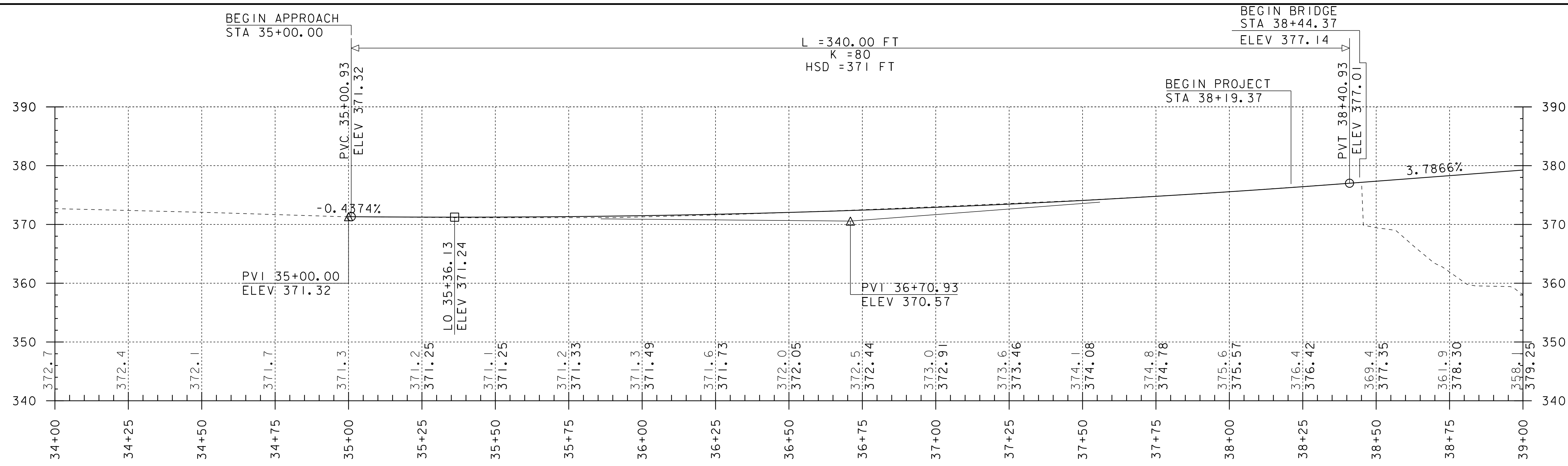
SPECIAL PROVISION - PRECAST  
 CONCRETE RETAINING WALL  
 STA 38+19 - STA 38+31 LT  
 STA 40+76 - STA 41+00 RT  
  
 STONE FILL, TYPE IV  
 STA 50+96 LT - STA 51+38 LT



LAYOUT

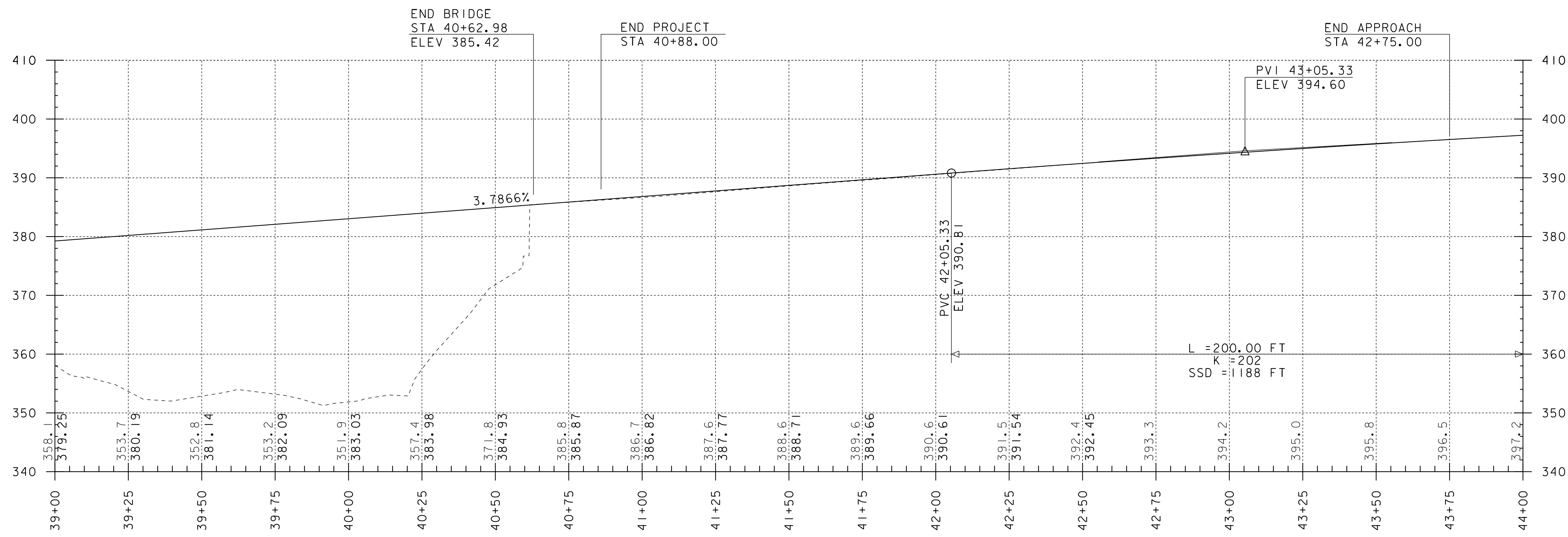
SCALE 1" = 20'-0"  
 20 0 20

PROJECT NAME:	WESTMINSTER	PLOT DATE:	29-MAR-2021
PROJECT NUMBER:	BF 0126(13)	DRAWN BY:	D.D.BEARD
FILE NAME:	I2J668/sI2J668border.dgn	CHECKED BY:	K. LIHIC
PROJECT LEADER:	J.B.MCCARTHY	SHEET	10 OF 32
DESIGNED BY:	H.I. SALLS		
LAYOUT SHEET 2			



FAS 0126 (VT ROUTE 121) PROFILE PART 1

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

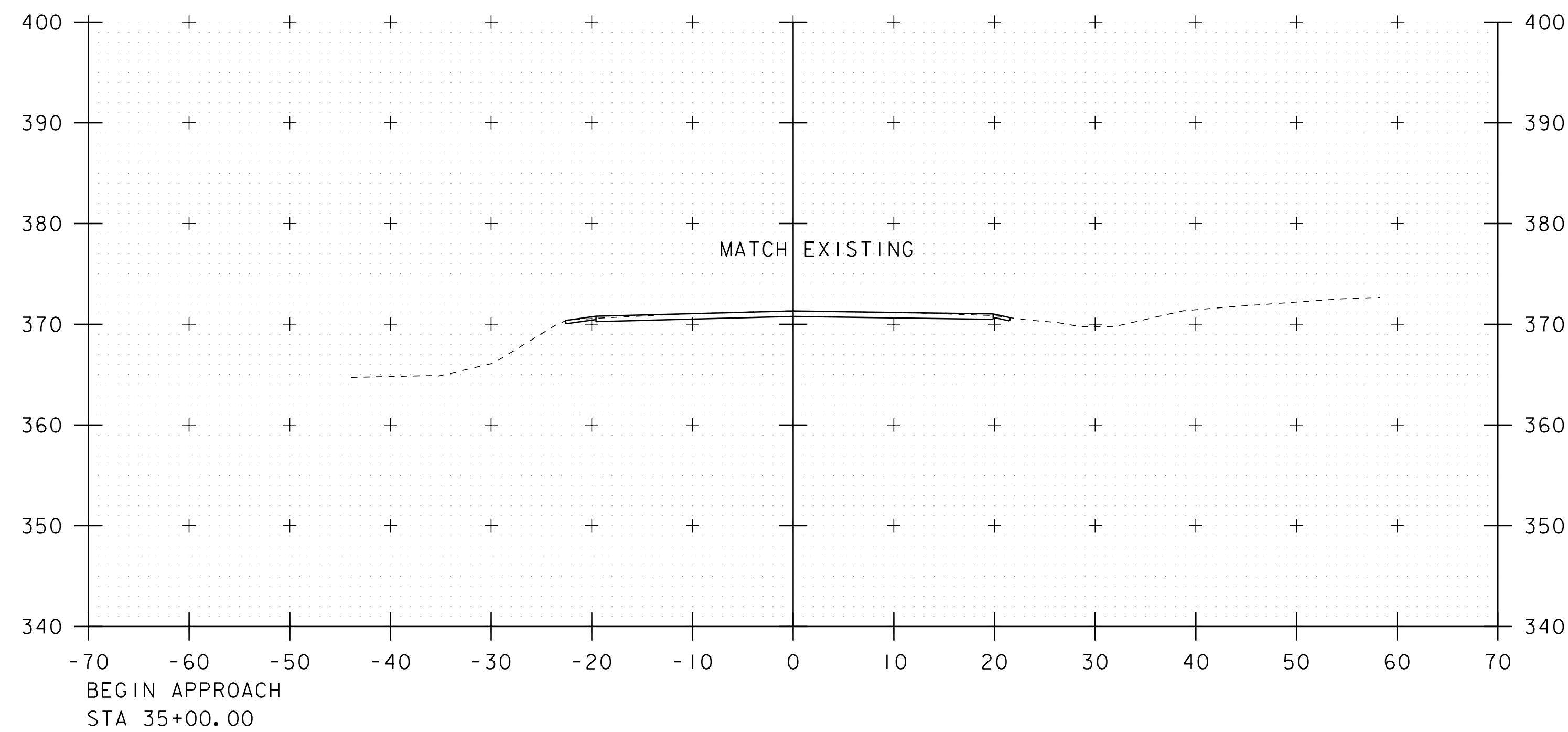


FAS 0126 (VT ROUTE 121) PROFILE PART 2

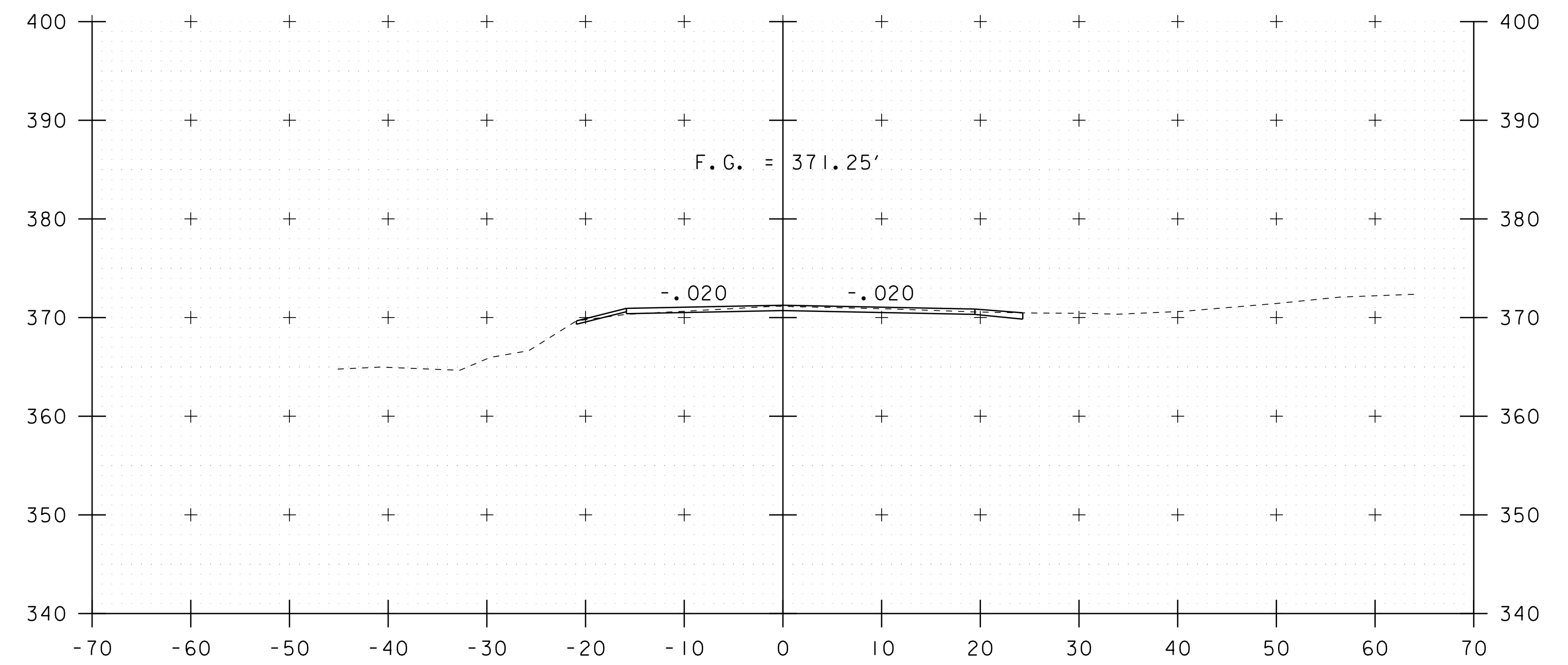
SCALE: HORIZONTAL 1"=20'-0"  
VERTICAL 1"=10'-0"

NOTE:  
GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG  $\phi$   
GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE ALONG  $\phi$

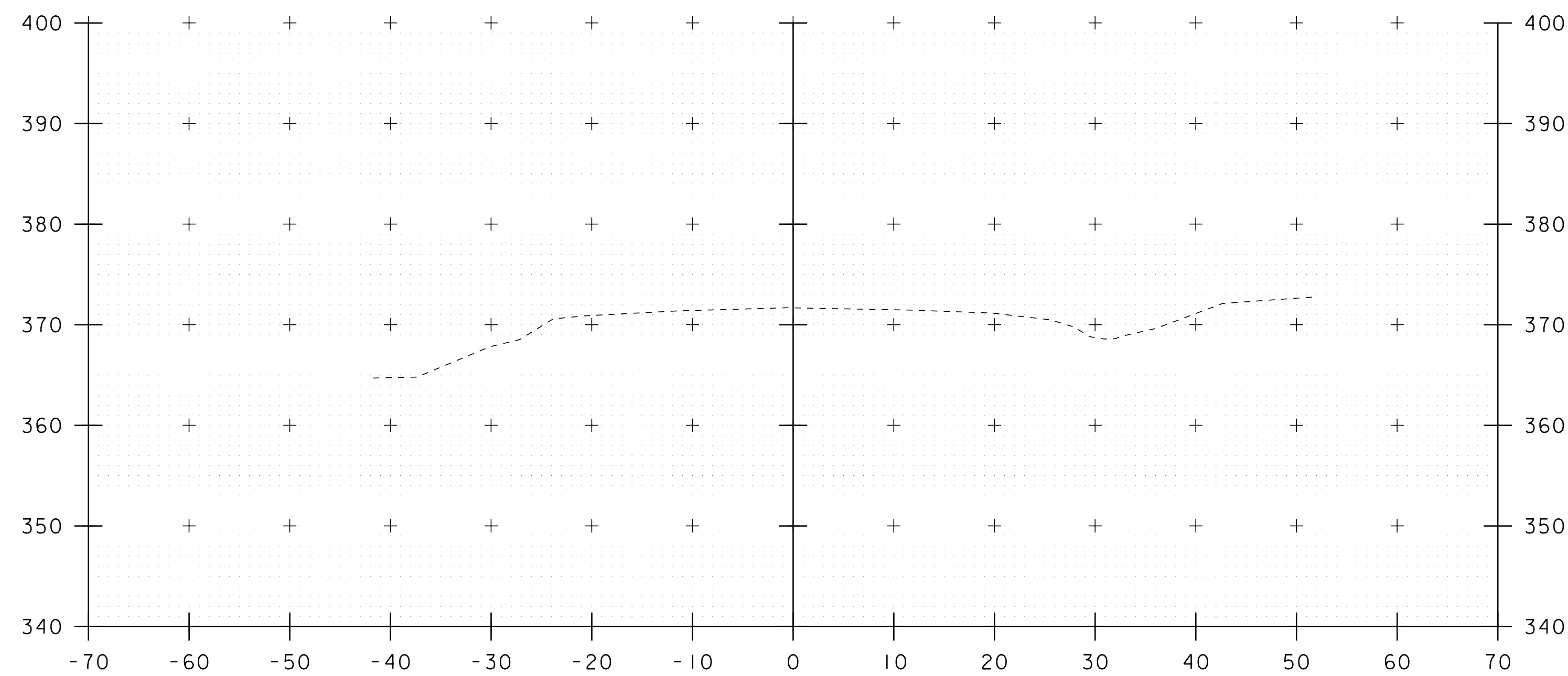
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PROJECT NUMBER:	BF 0126(I3)
FILE NAME:	I2J668/si2j668profile.dgn
PROJECT LEADER:	J.B.MCCARTHY
DESIGNED BY:	HISALLS
PROFILE SHEET	
PLOT DATE:	29-MAR-2021
DRAWN BY:	D.D.BEARD
CHECKED BY:	K. LIHIC
SHEET	II OF 32



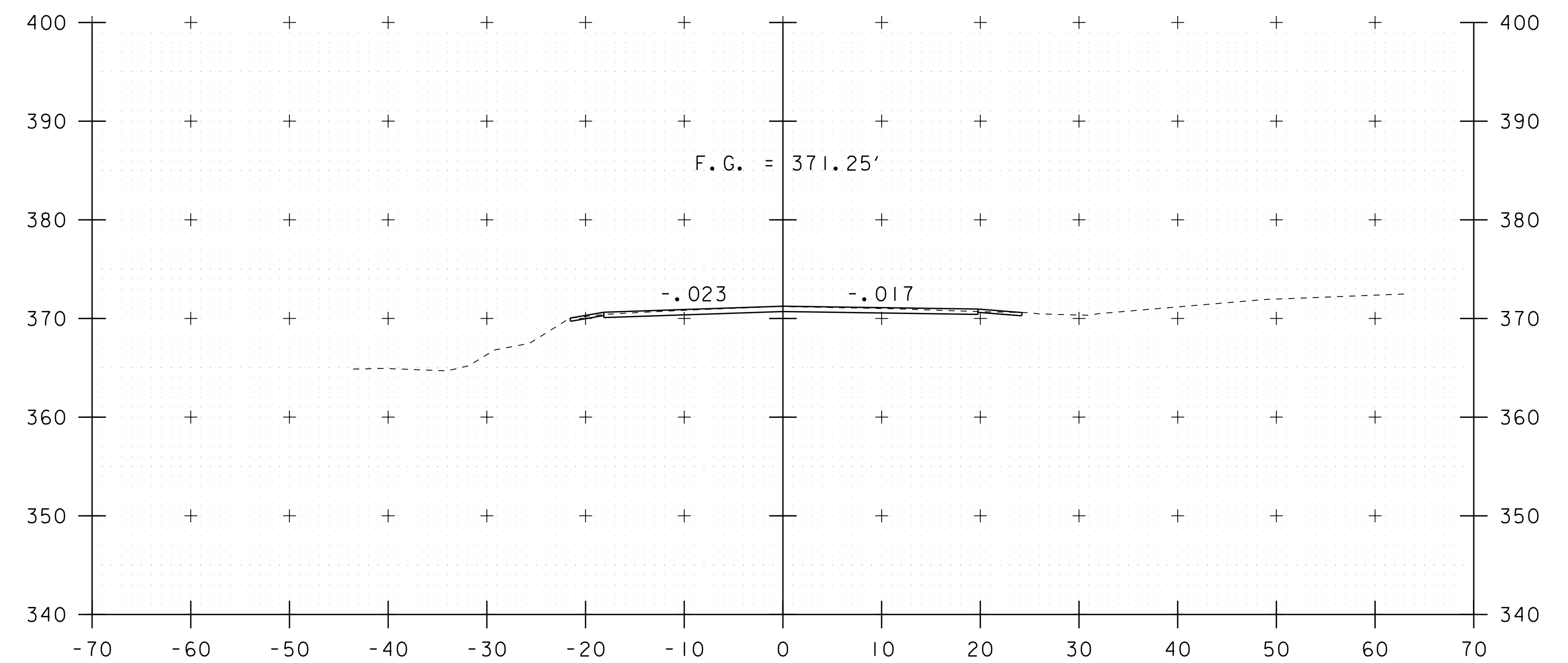
35+00



35+50



34+75

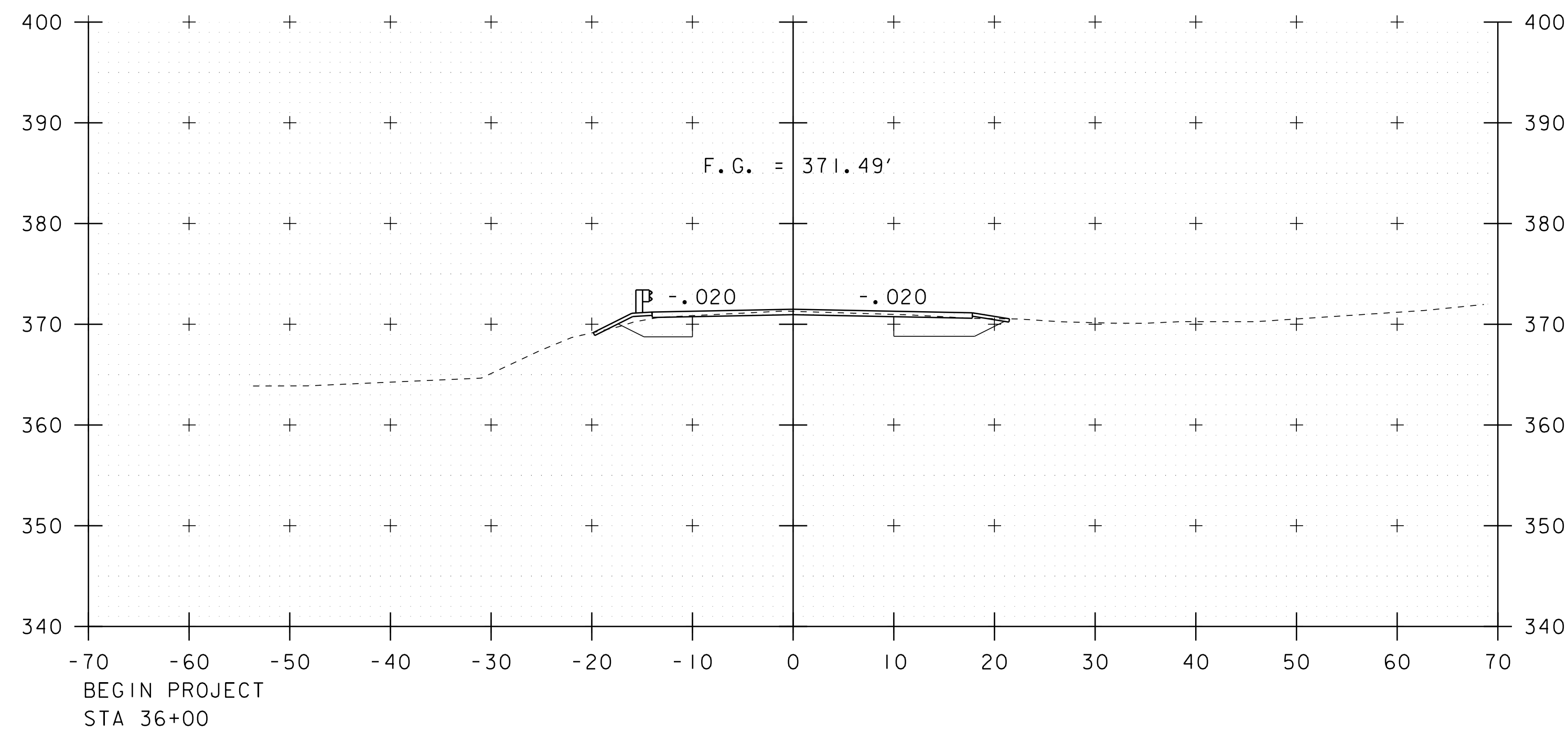


35+25

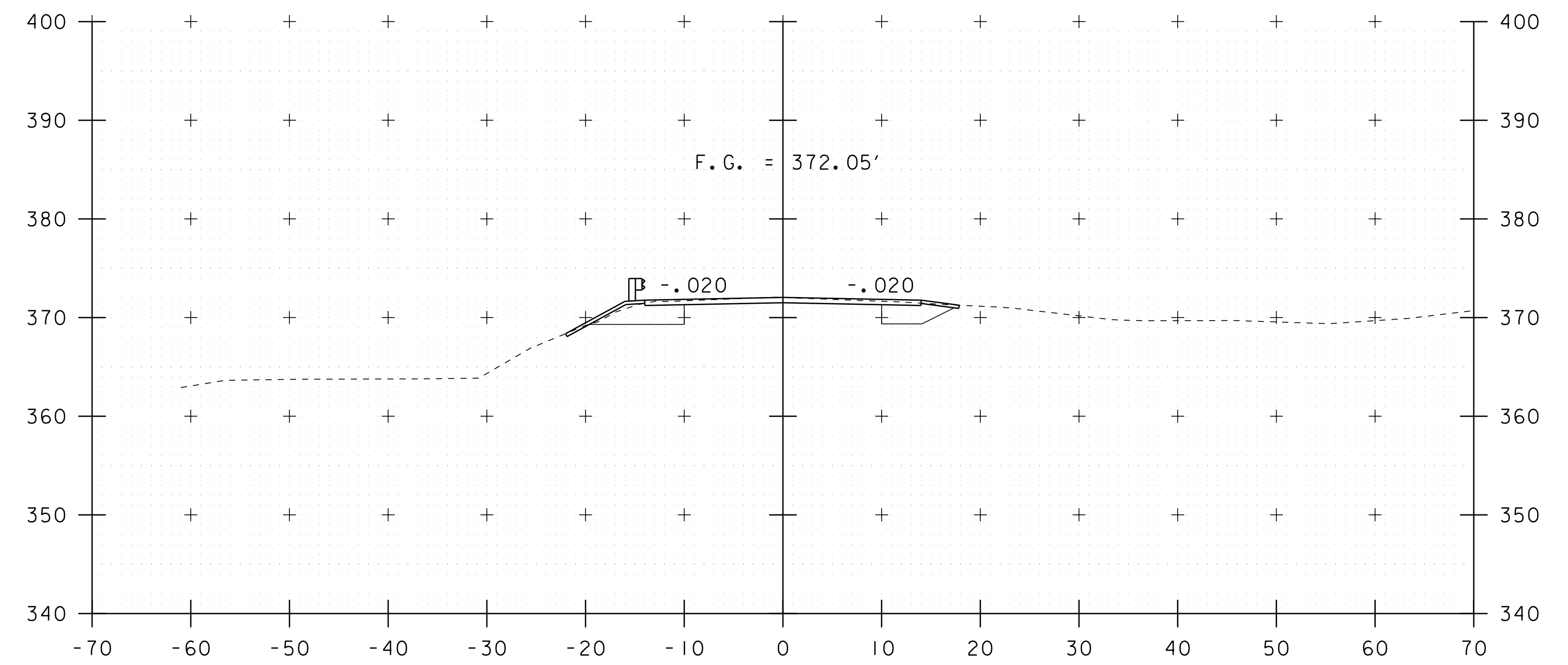
STA. 34+75 TO STA. 35+50

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 1	SHEET 12 OF 32

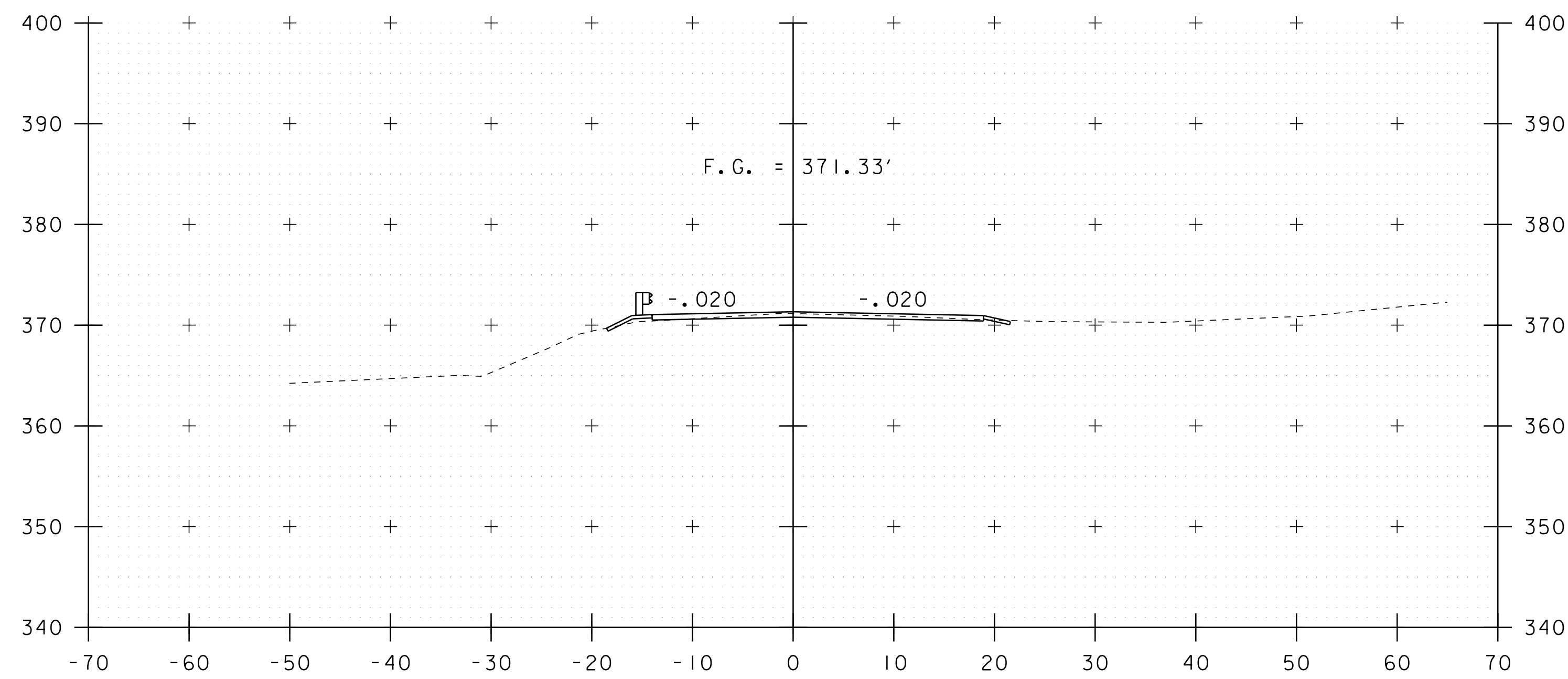




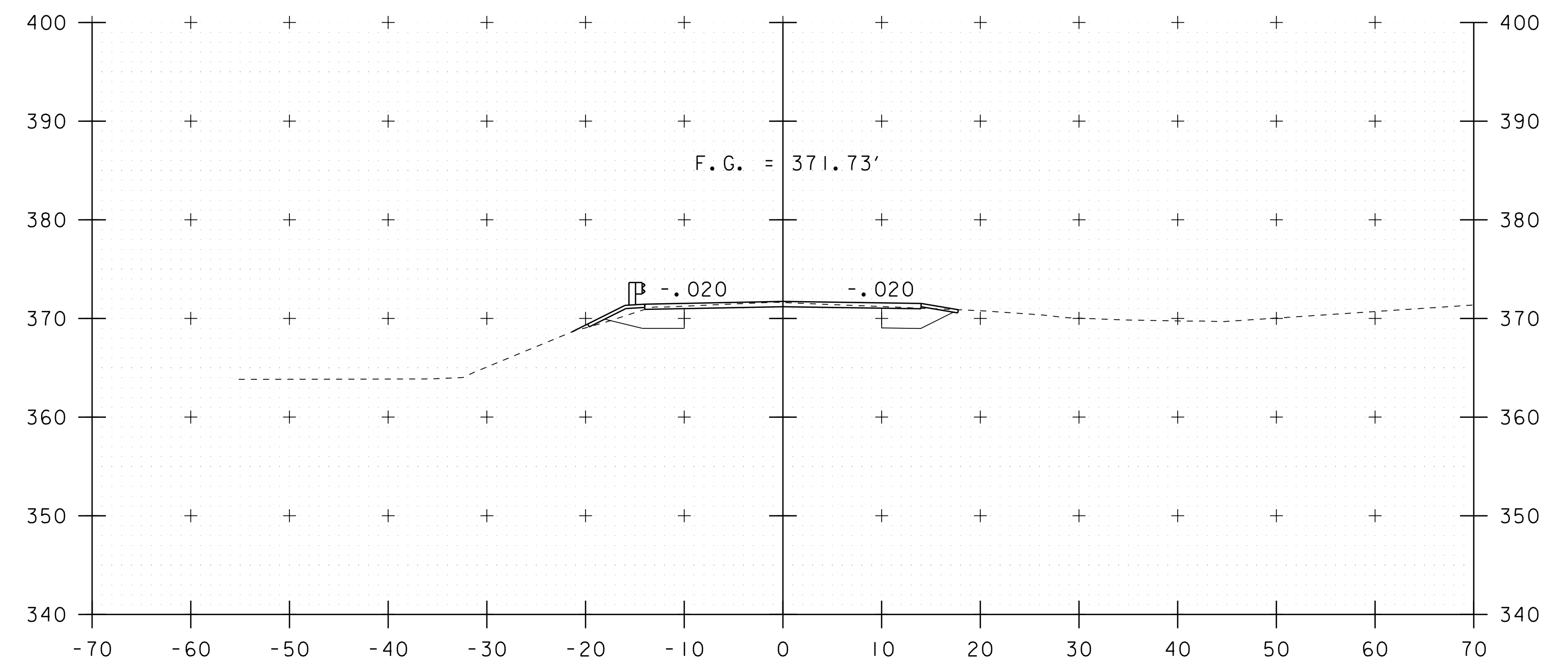
36+00



36+50



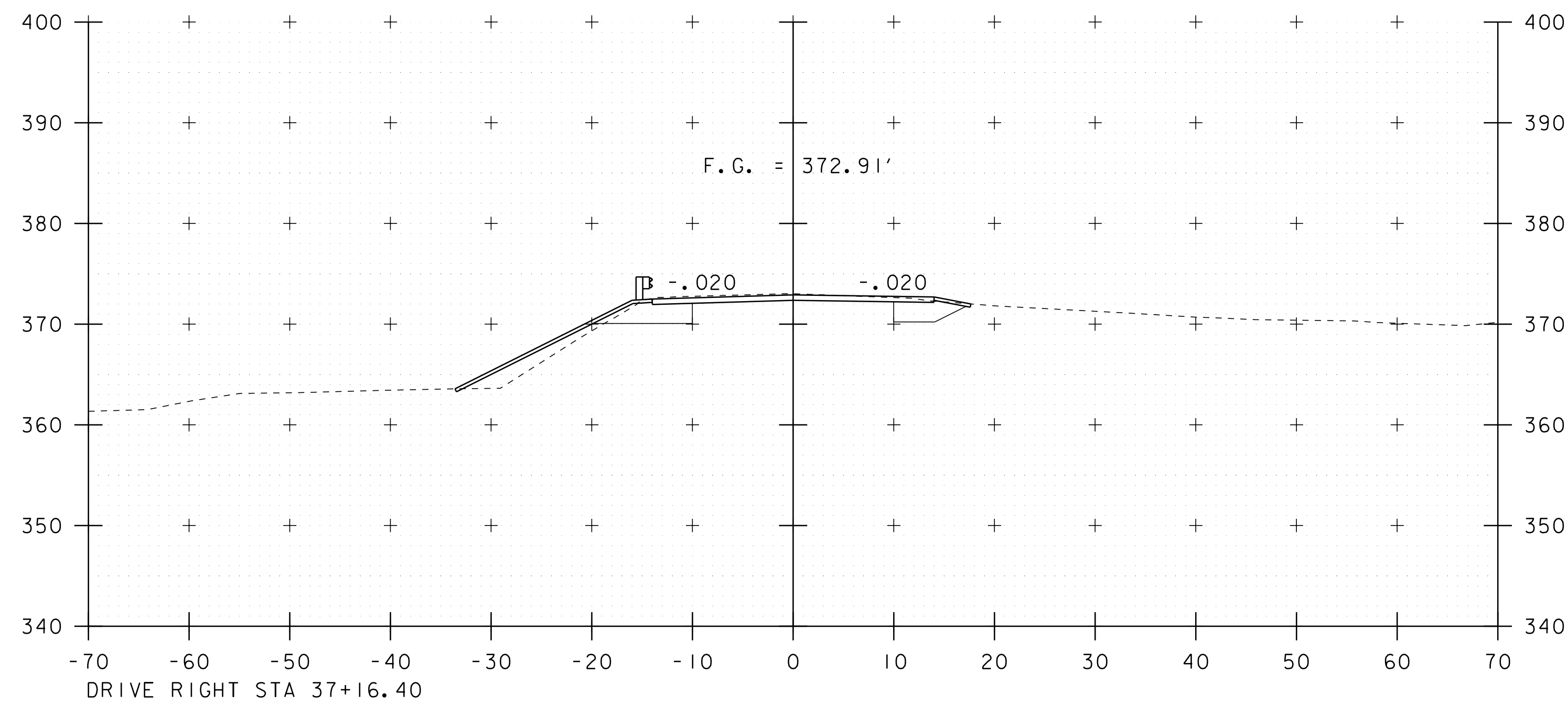
35+75



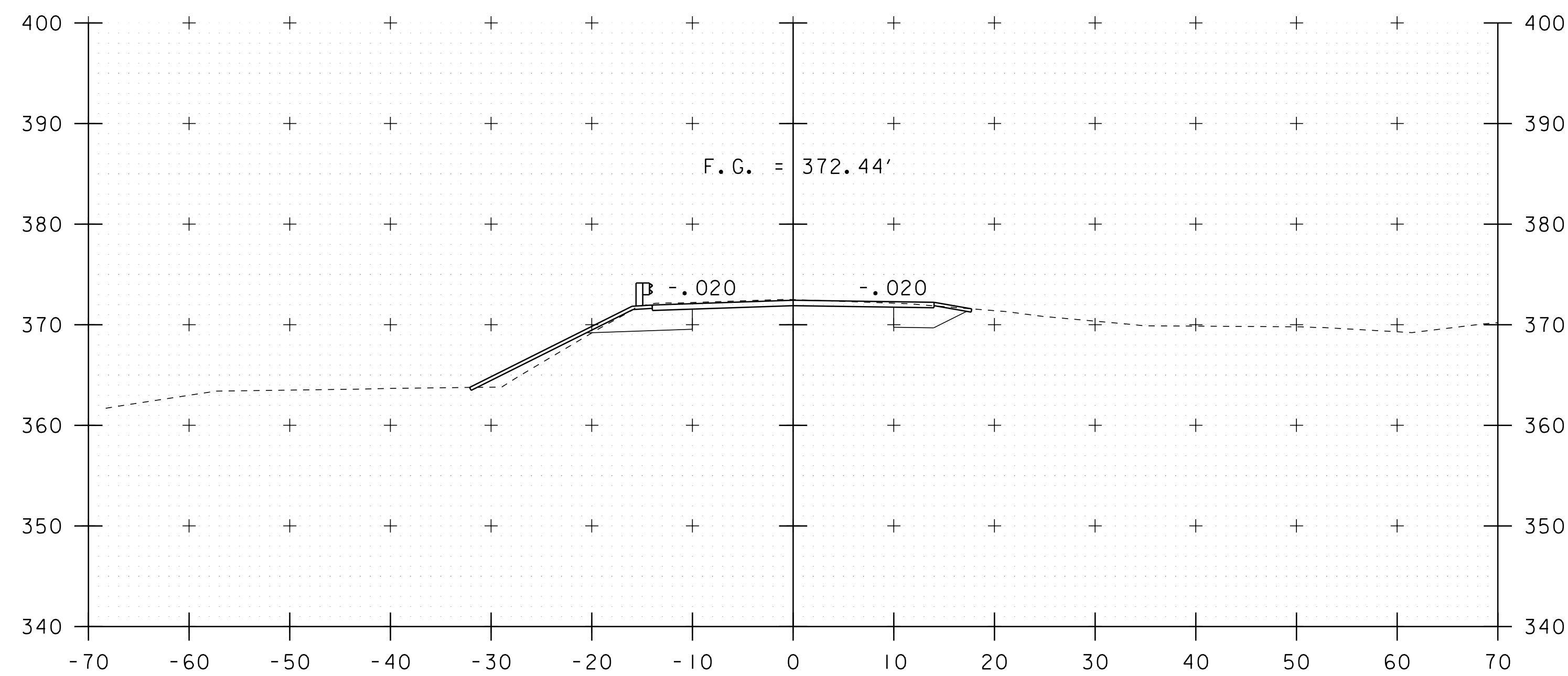
36+25

STA. 35+75 TO STA. 36+50

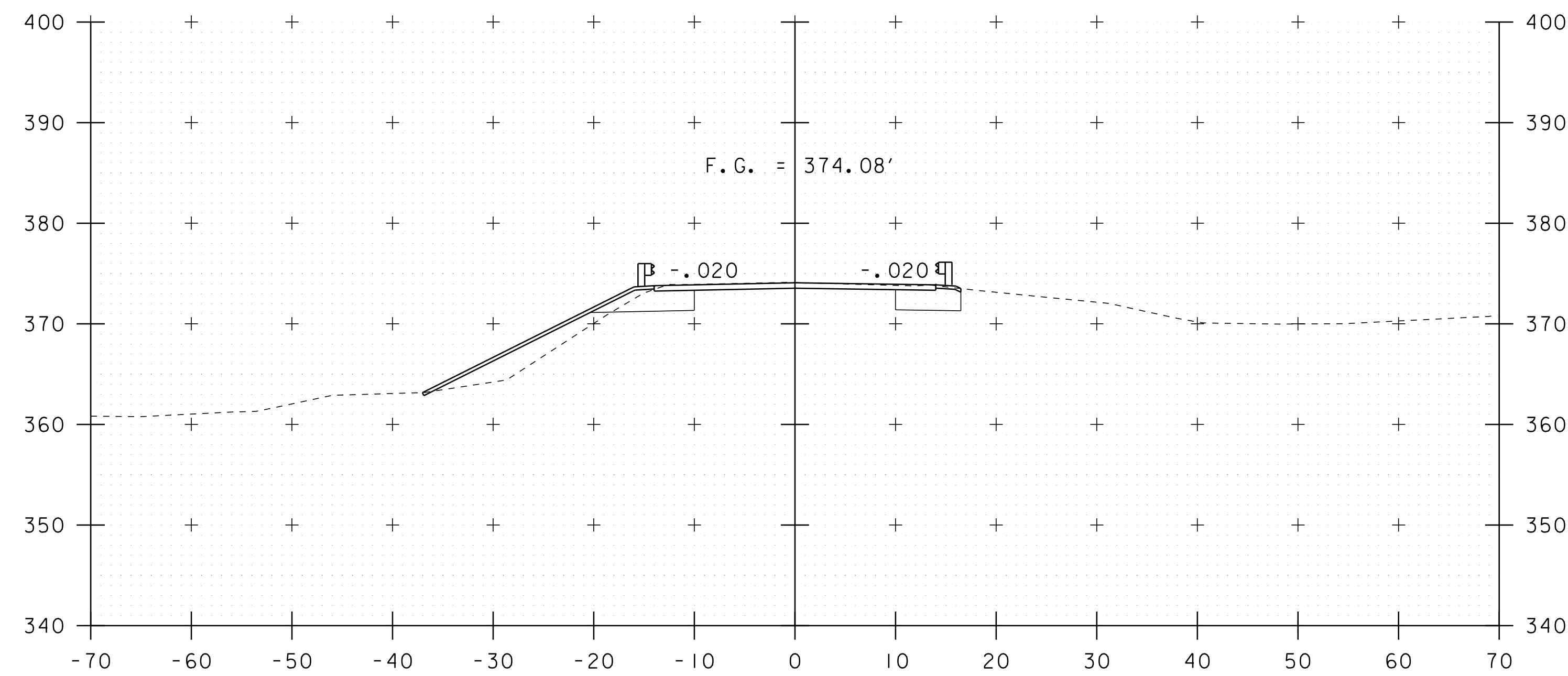
PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 2	SHEET 13 OF 32



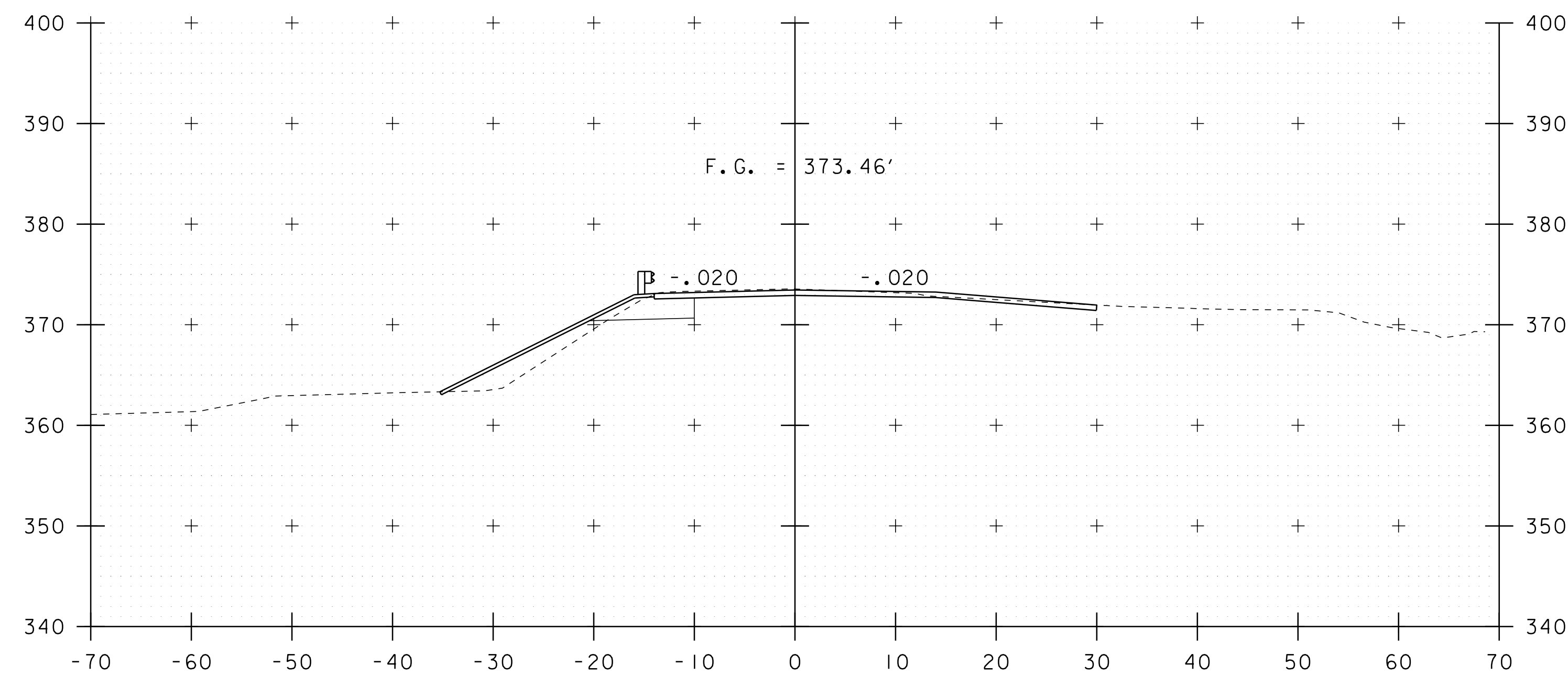
37+00



36+75



37+50



37+25

STA. 36+75 TO STA. 37+50

PROJECT NAME: WESTMINSTER

PROJECT NUMBER: BF 0126(13)

FILE NAME: I2J668/sI2J668xs.dgn

PROJECT LEADER: J.B.MCCARTHY

DESIGNED BY: J.B.MCCARTHY

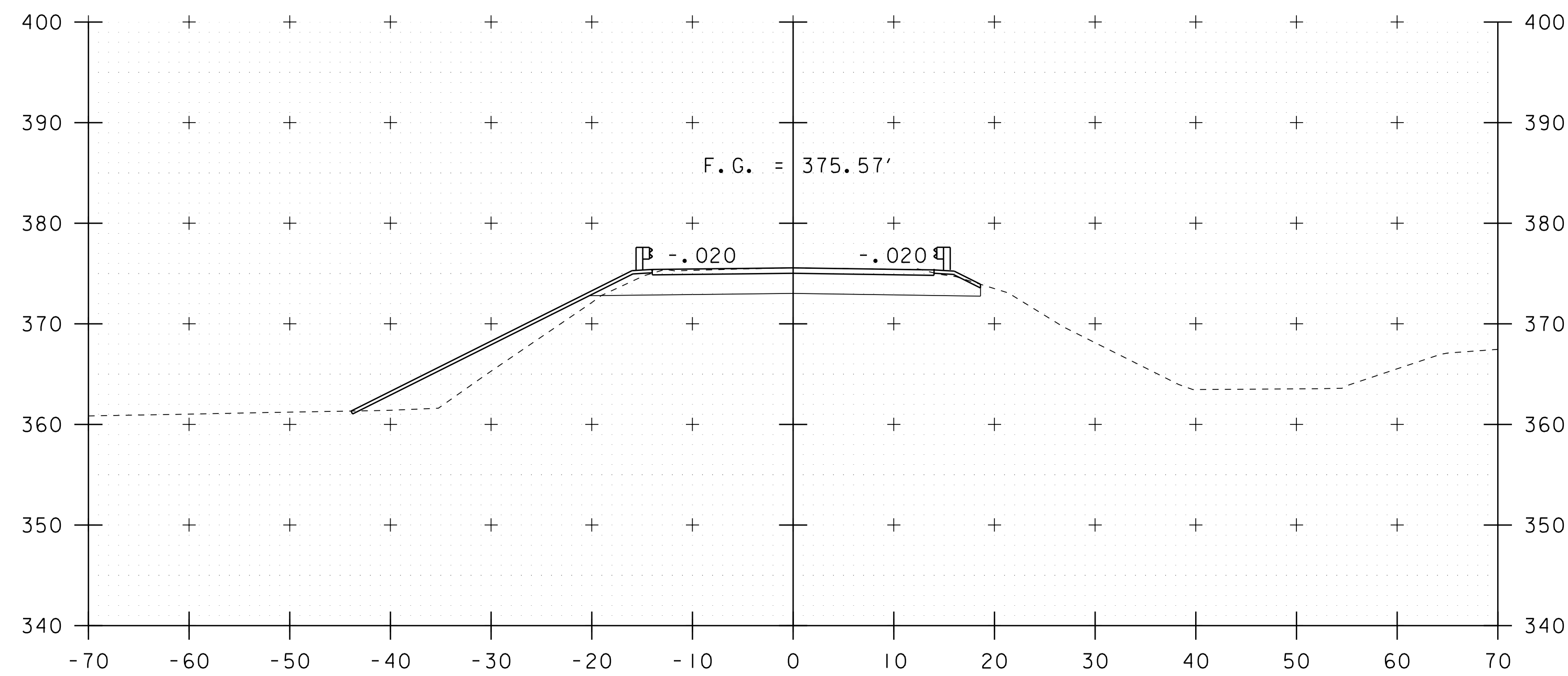
MAINLINE CROSS SECTIONS 3

PLOT DATE: 29-MAR-2021

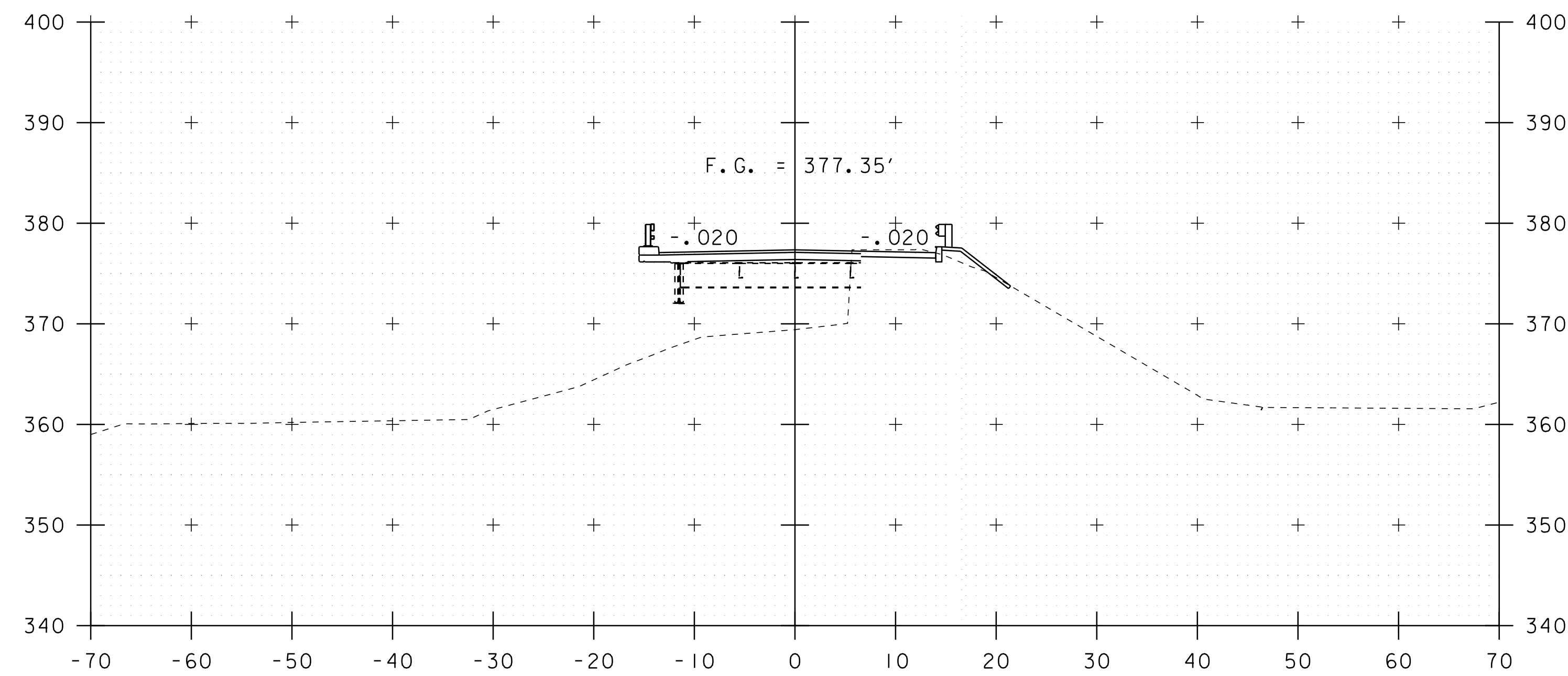
DRAWN BY: D.J.BEARD

CHECKED BY: K. LIHIC

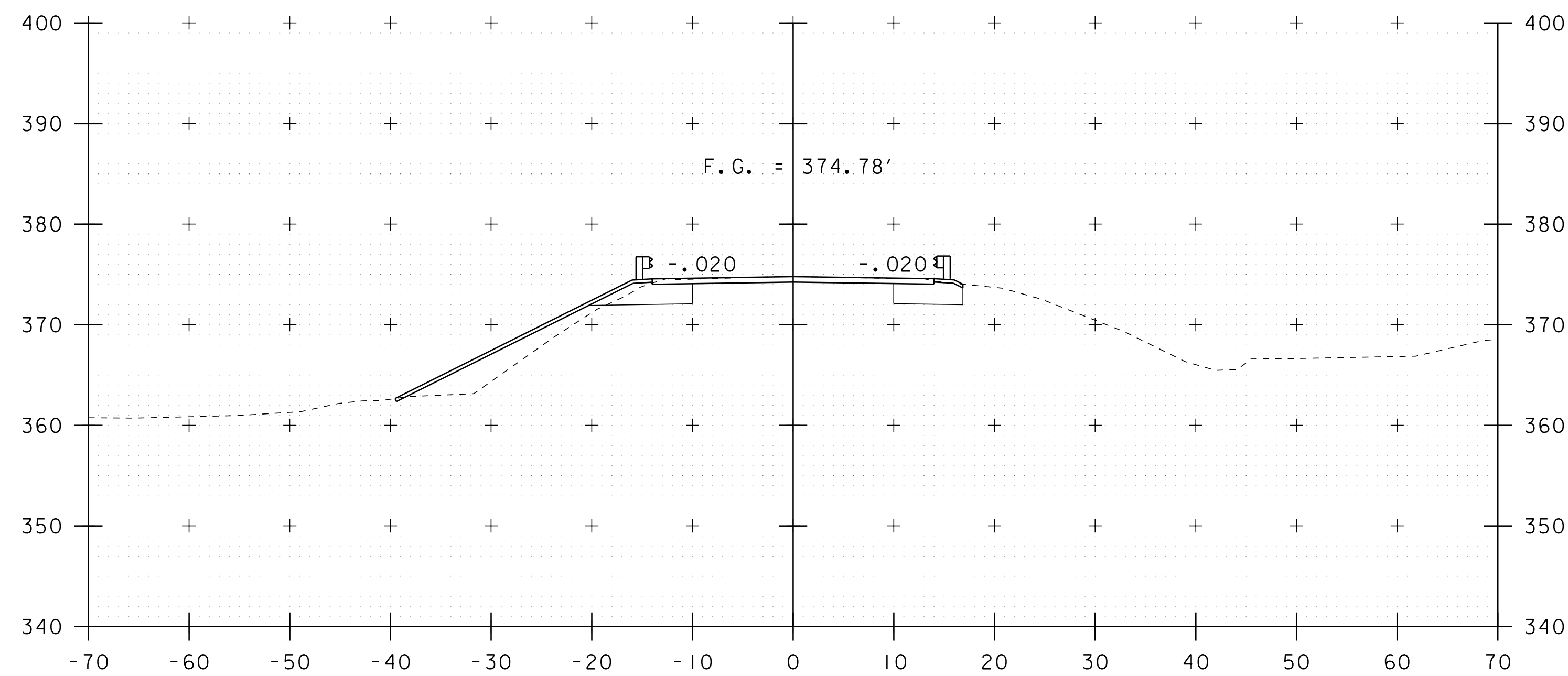
SHEET 14 OF 32



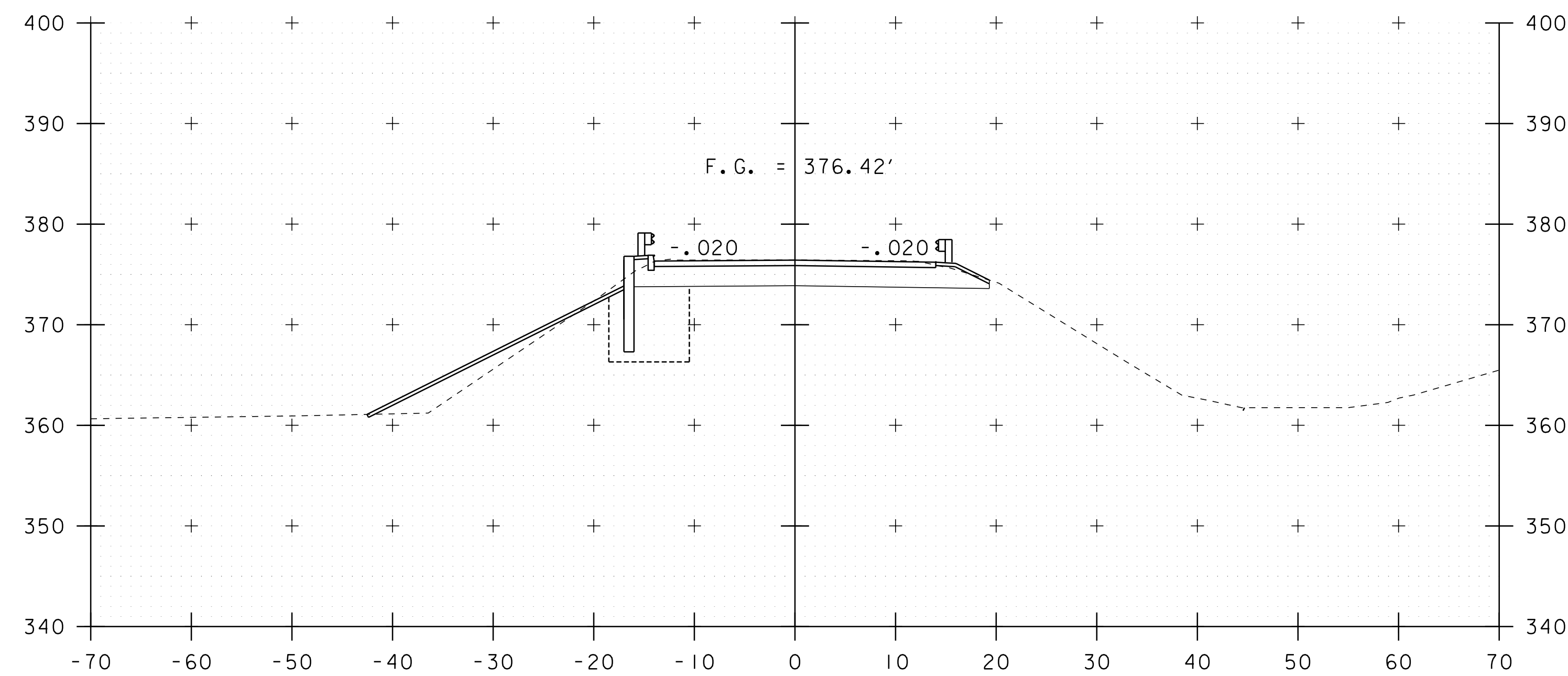
38+00



38+50



37+75

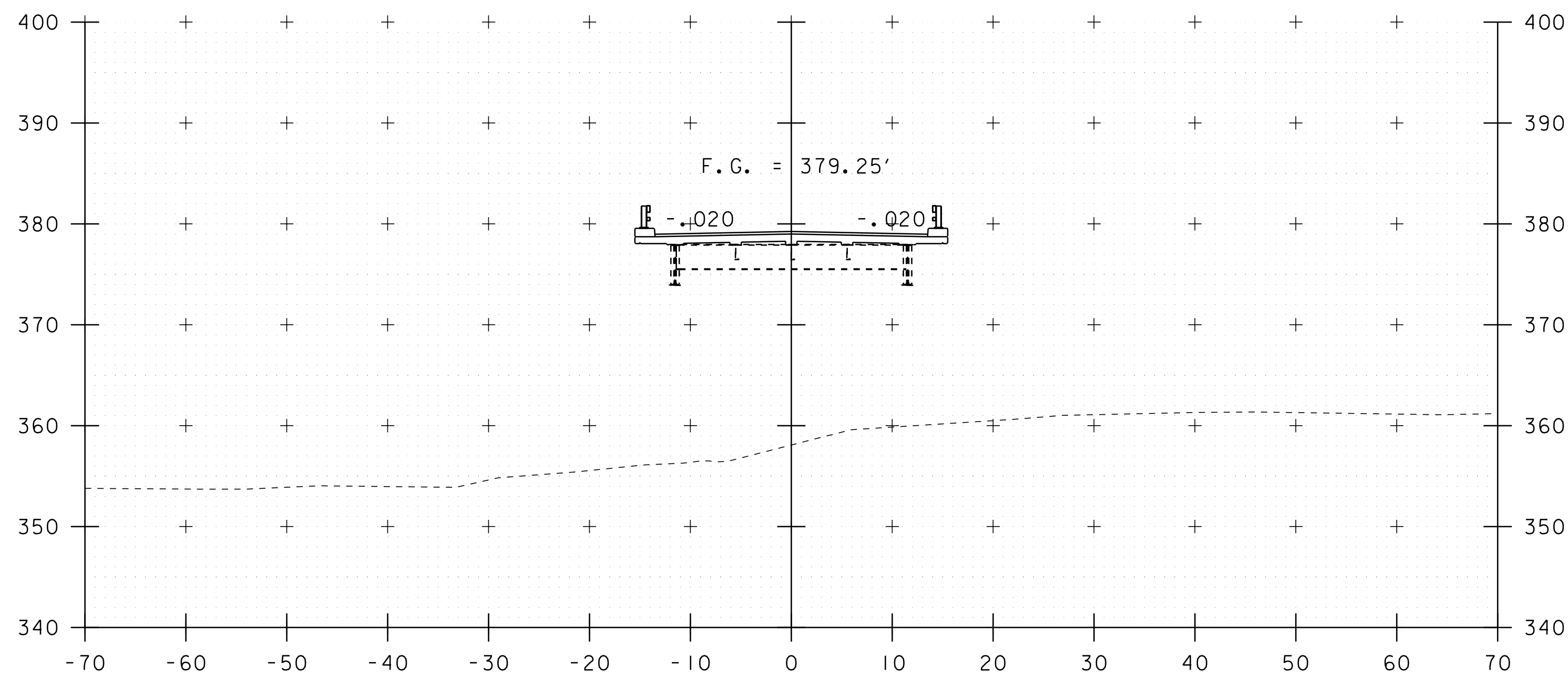


38+25

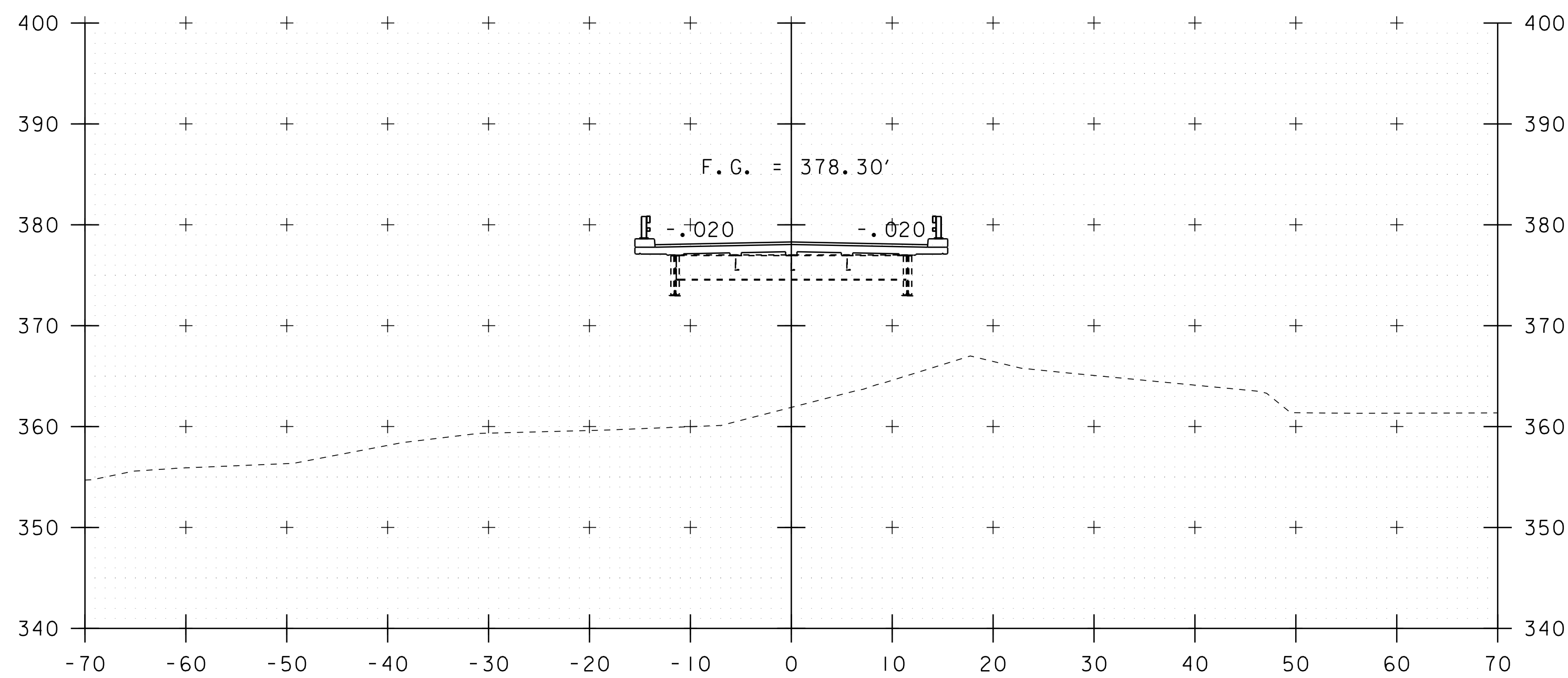
BEGIN BRIDGE  
STA 38+44.37

STA. 37+75 TO STA. 38+50

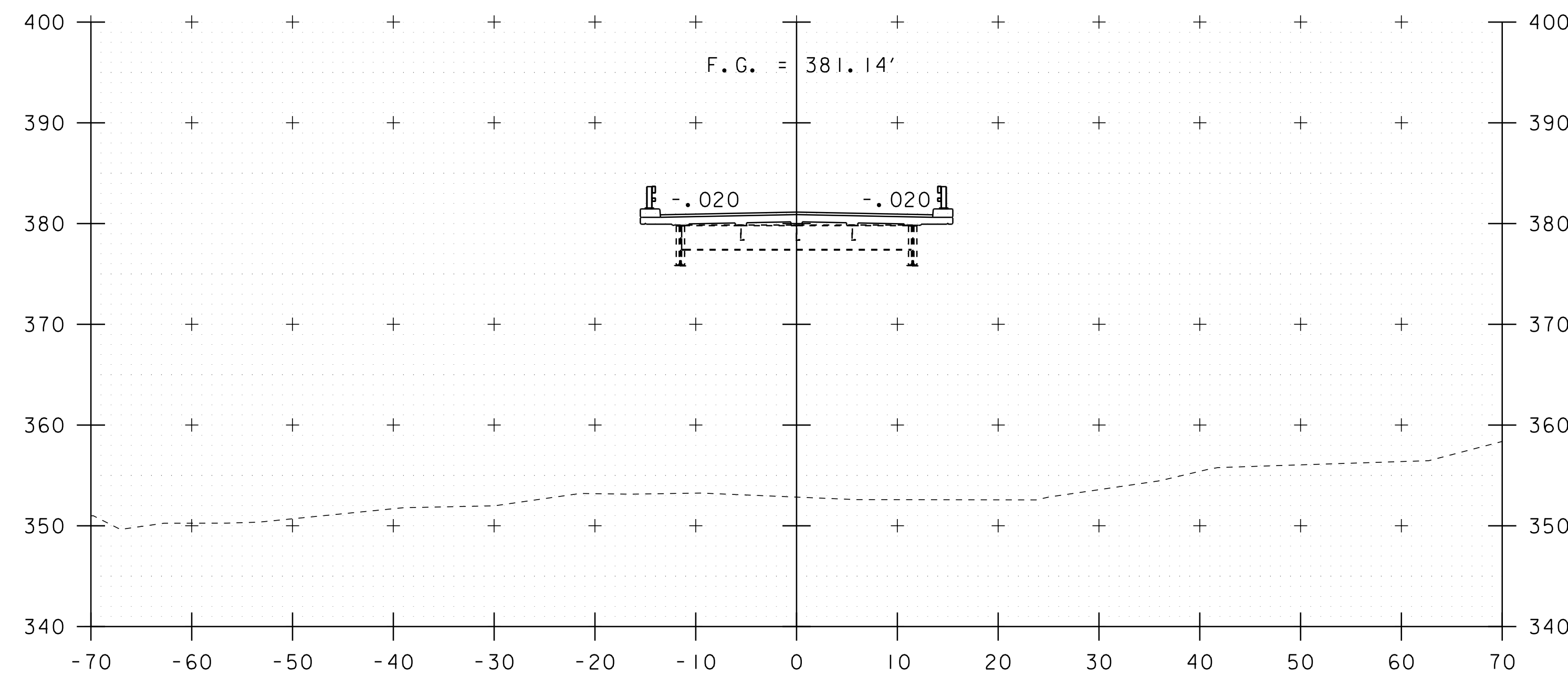
PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 4	SHEET 15 OF 32



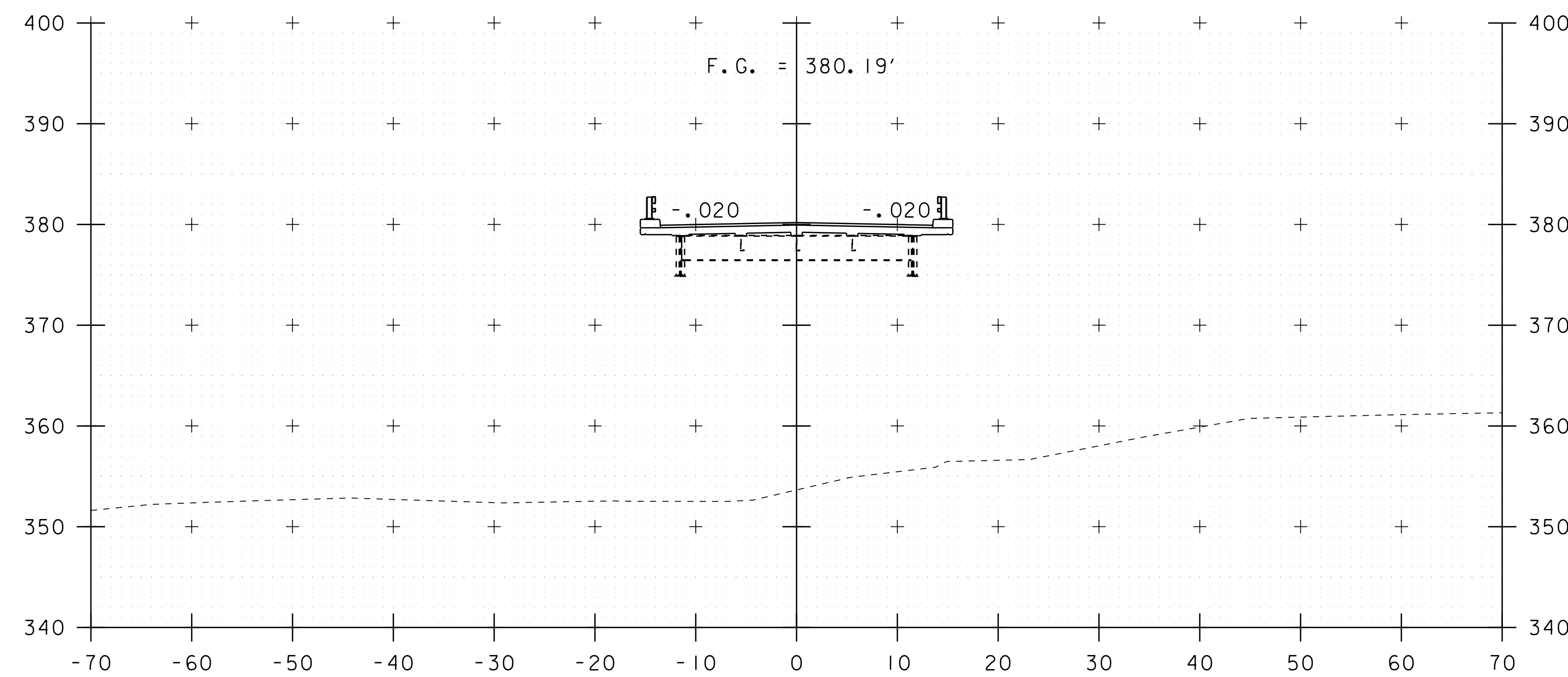
39+00



38+75



39+50

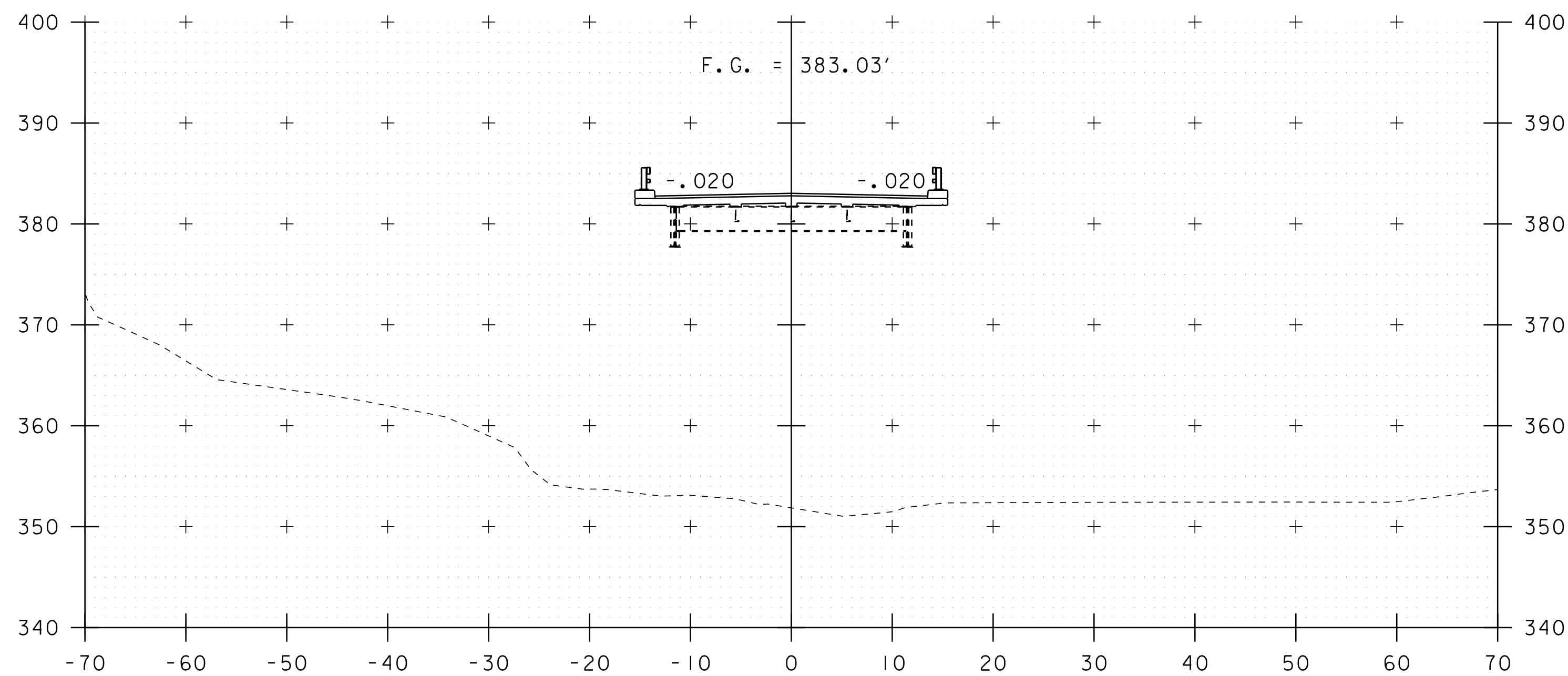


39+25

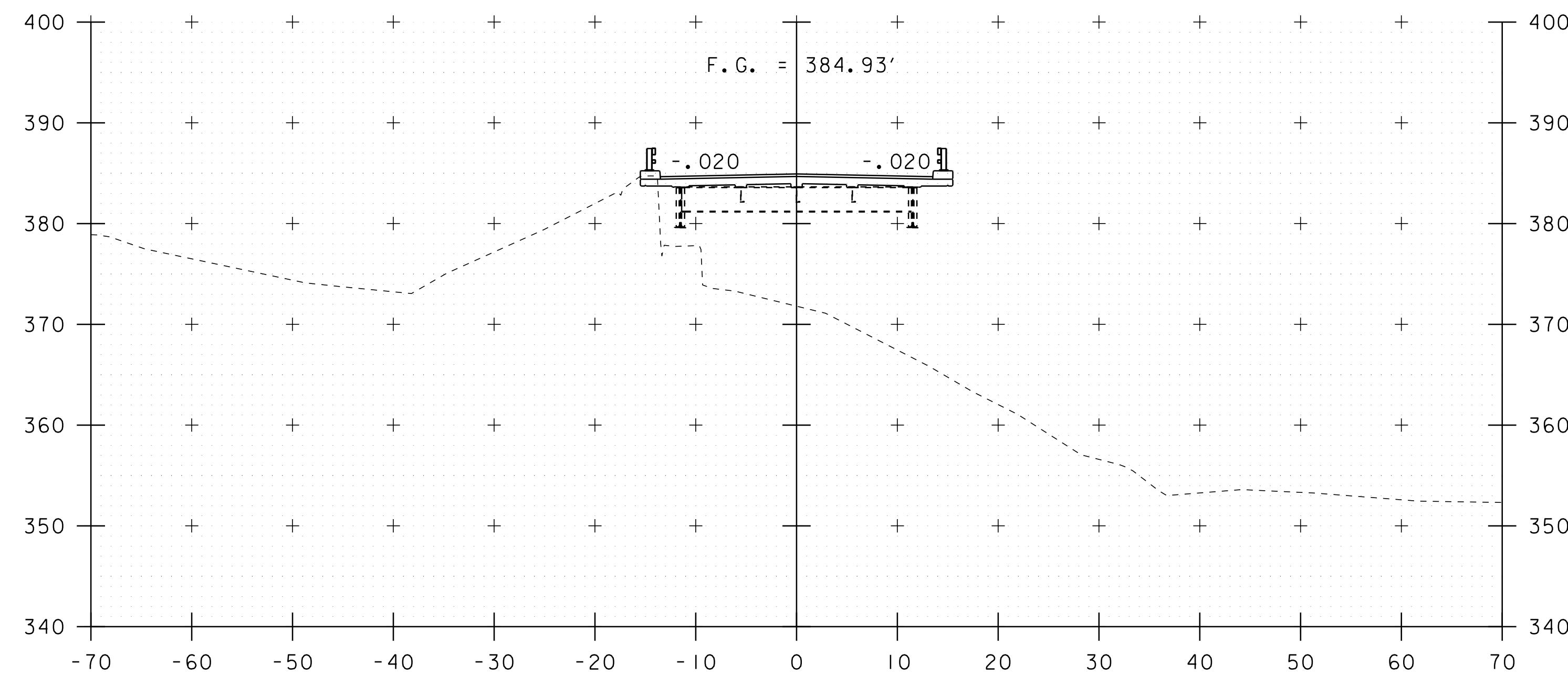
STA. 38+75 TO STA. 39+50

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 5	SHEET 16 OF 32



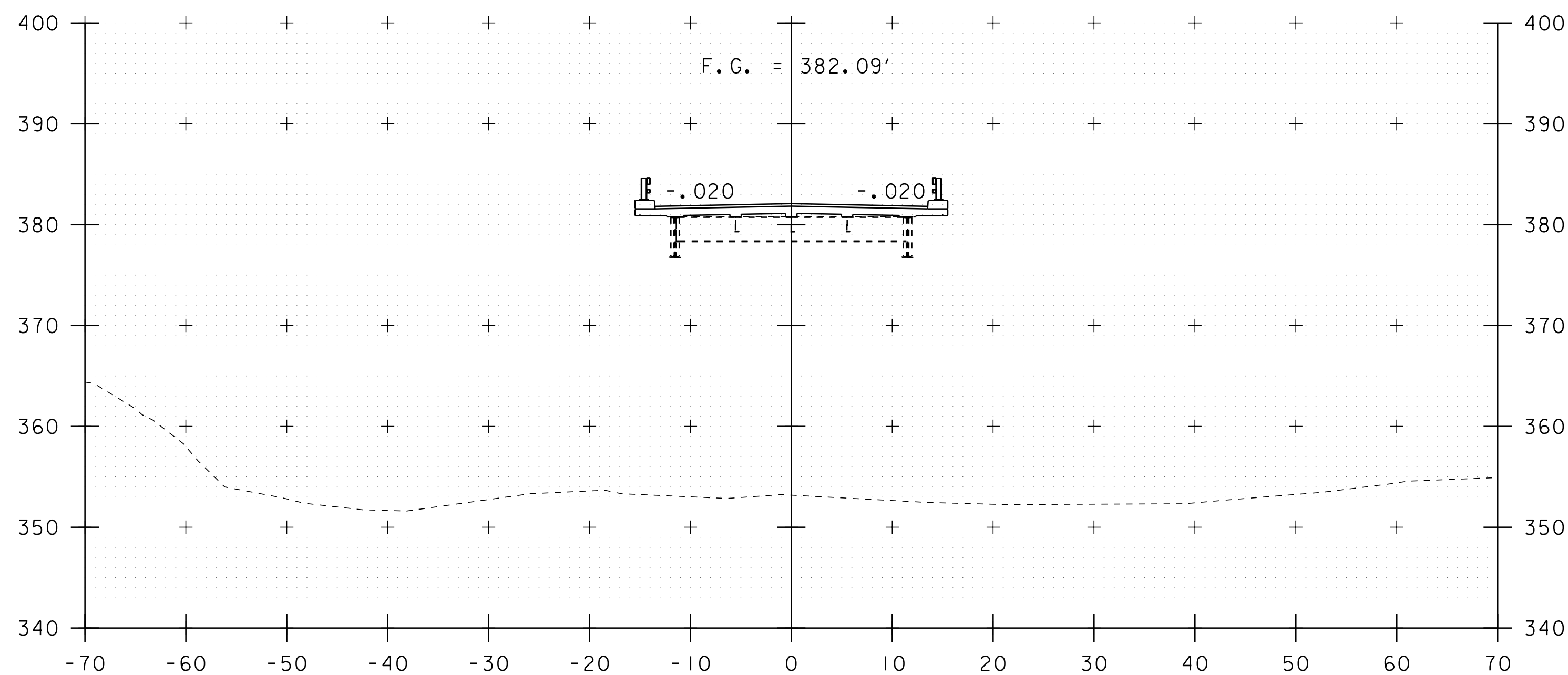


40+00

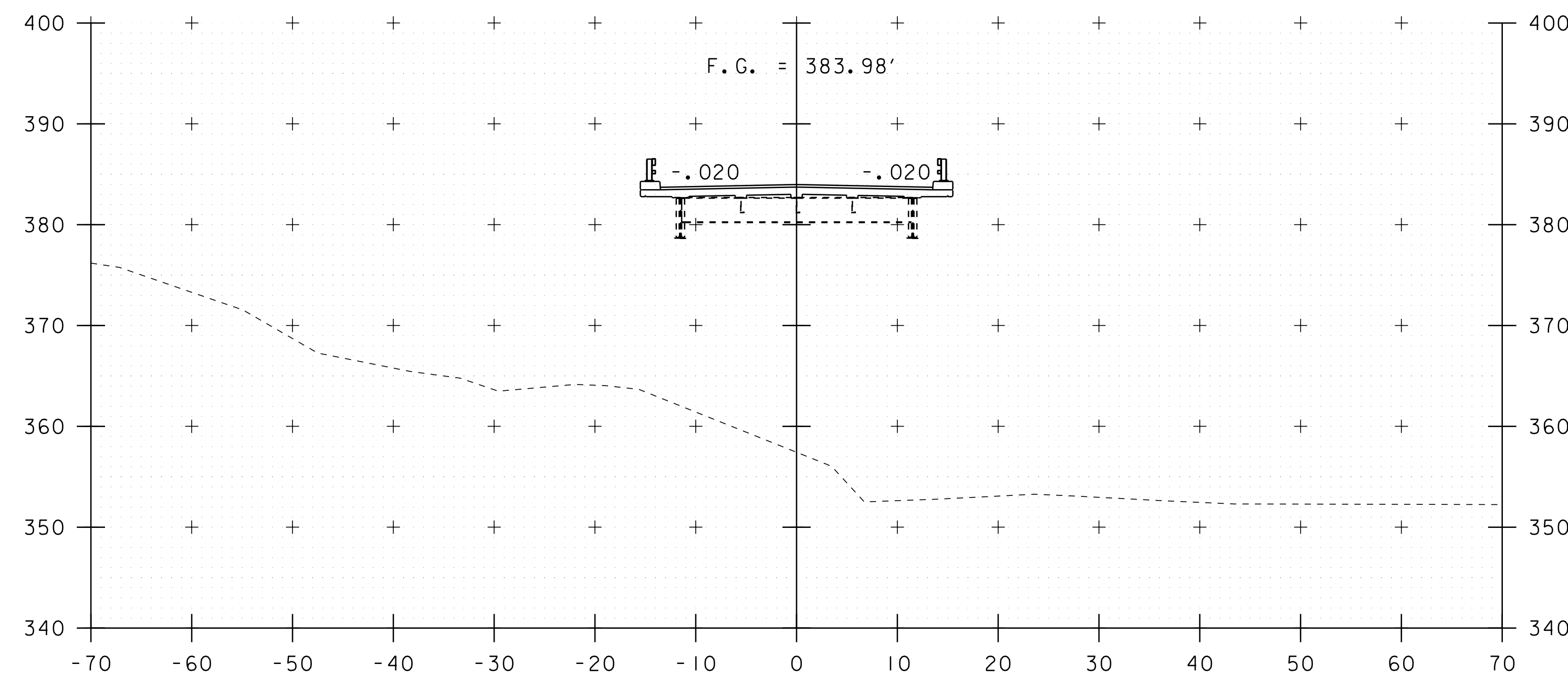


END BRIDGE  
STA 40+62.98

40+50



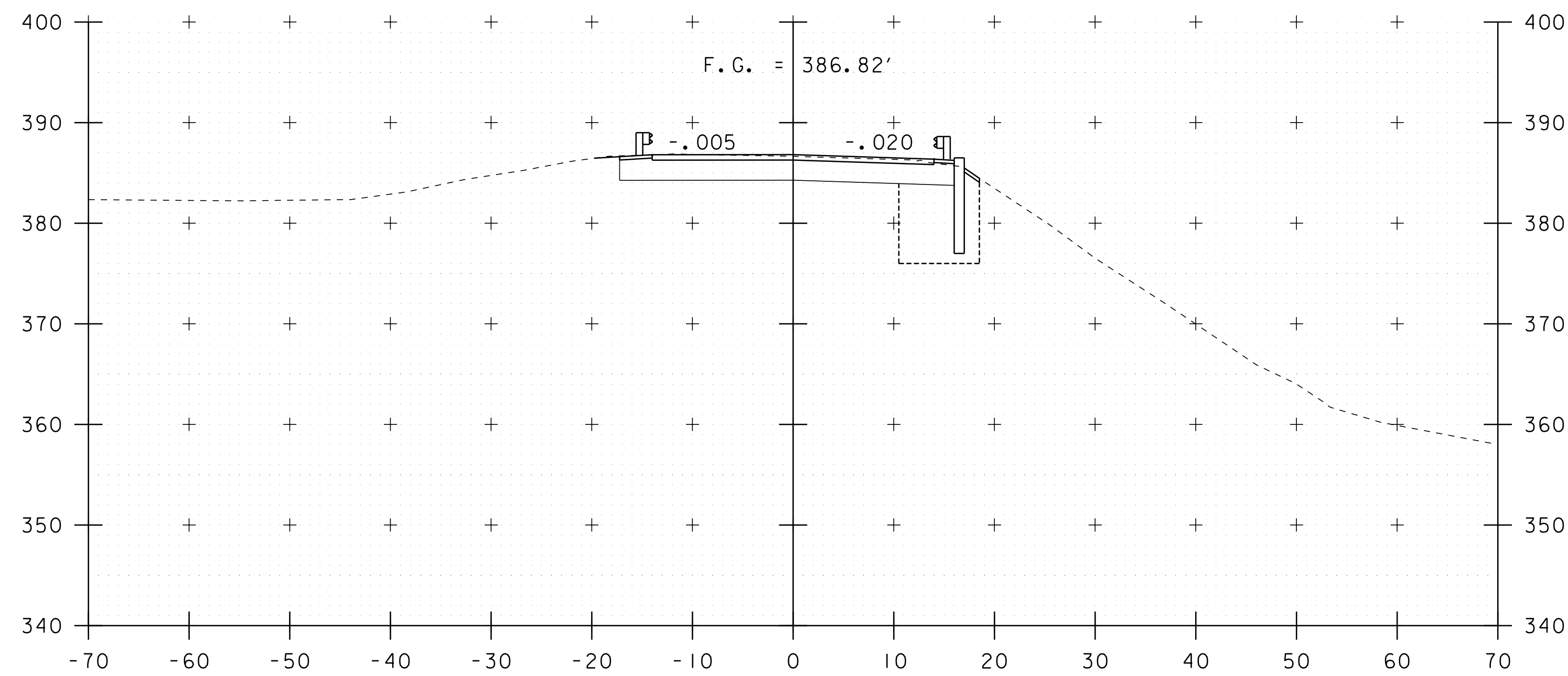
39+75



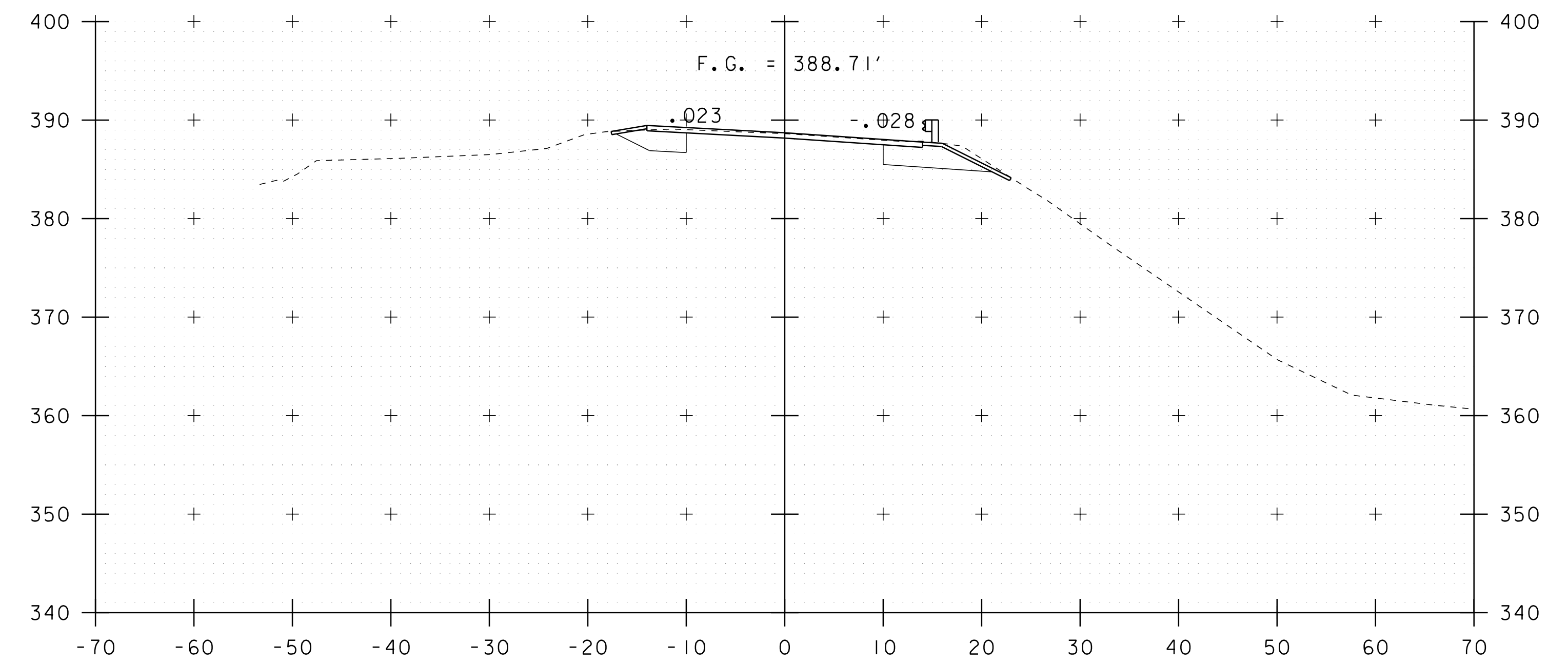
40+25

STA. 39+75 TO STA. 40+50

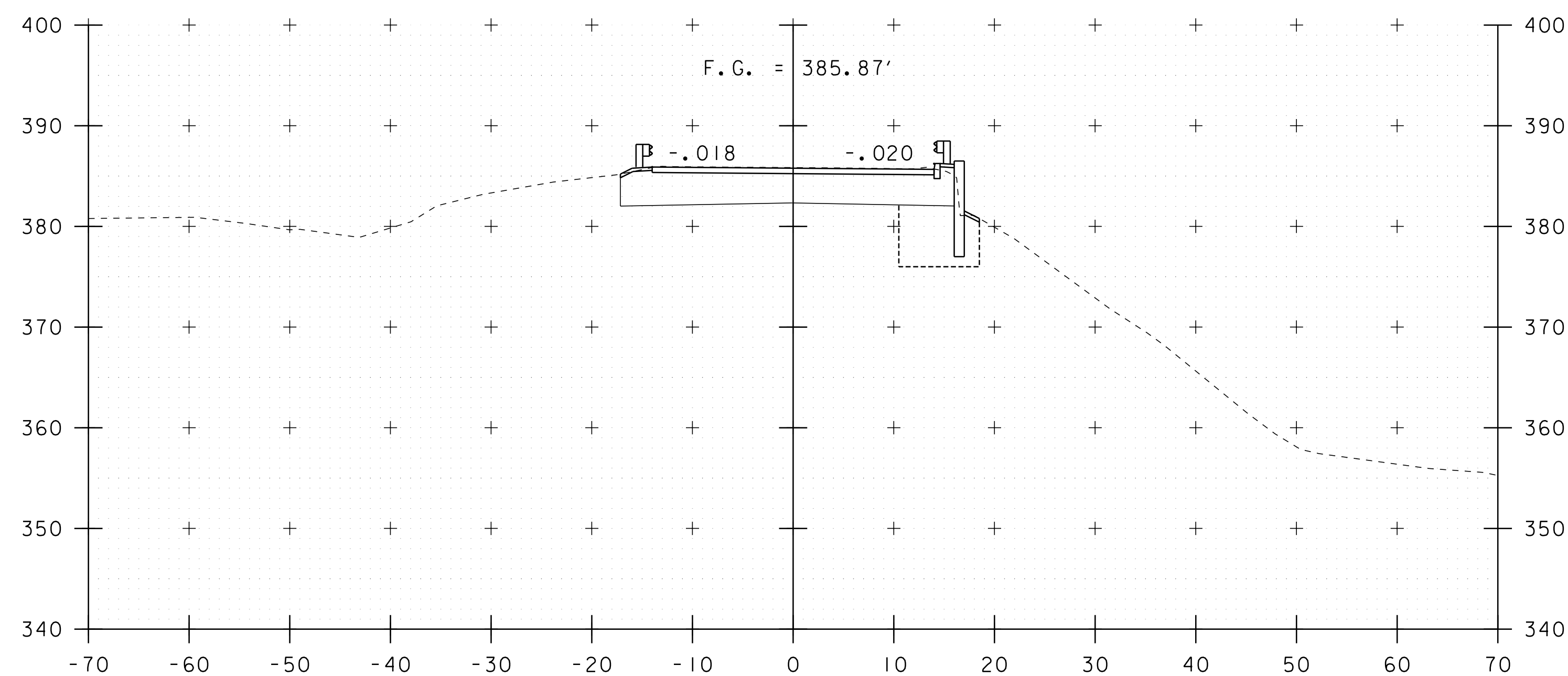
PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 6	SHEET 17 OF 32



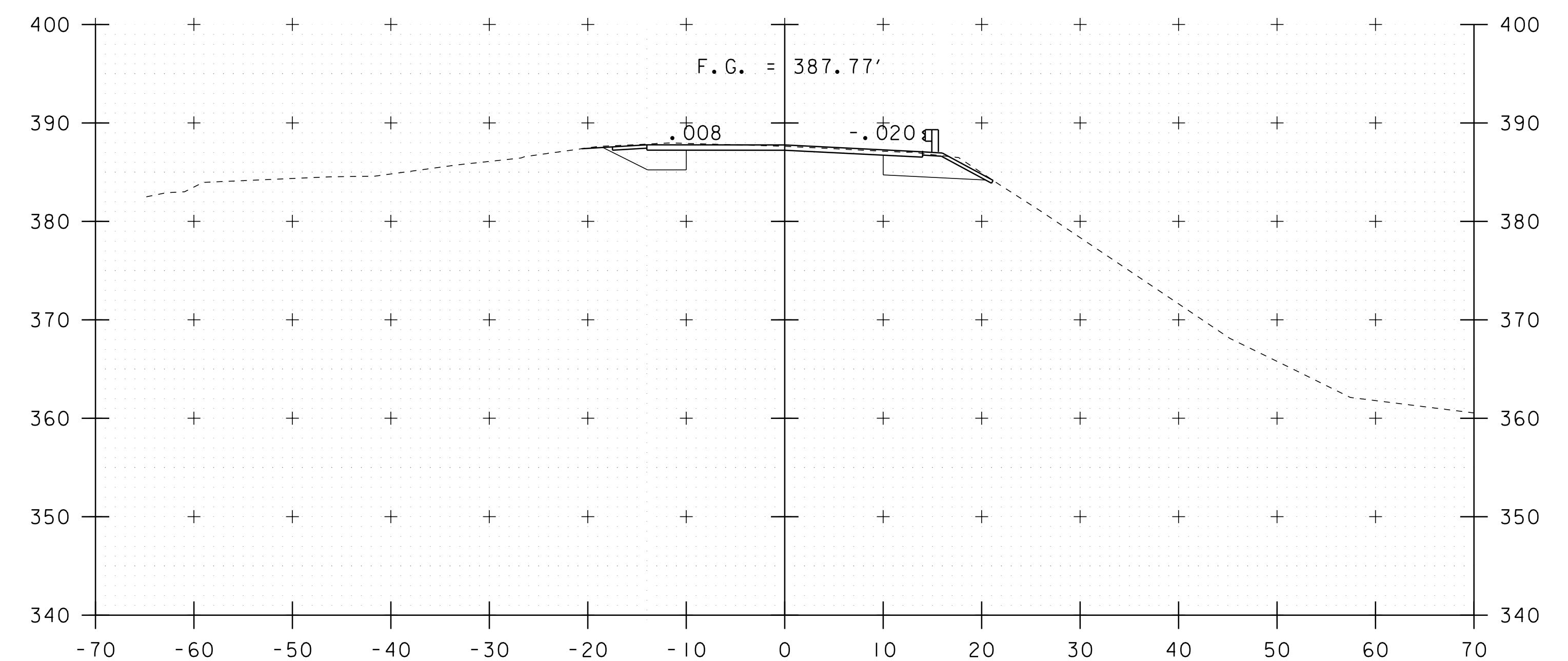
41+00



41+50



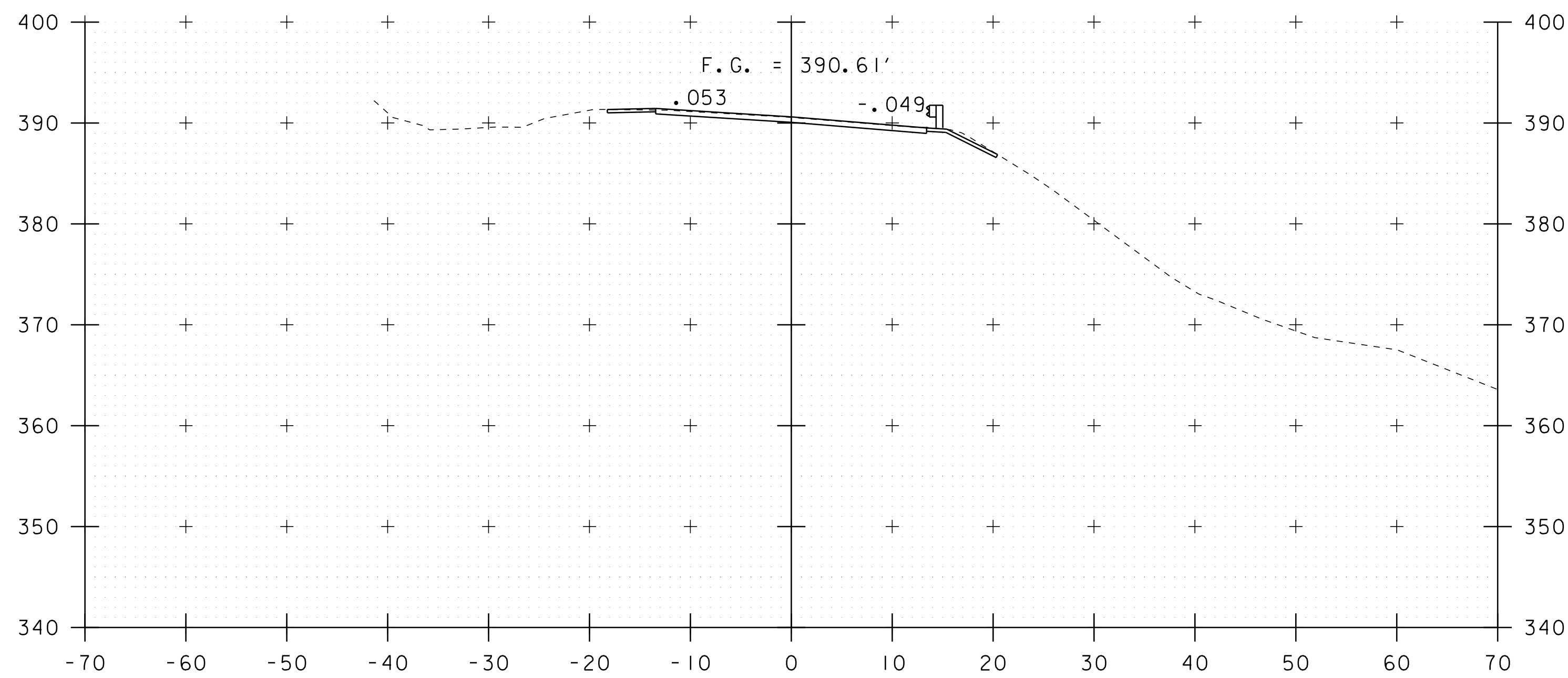
40+75



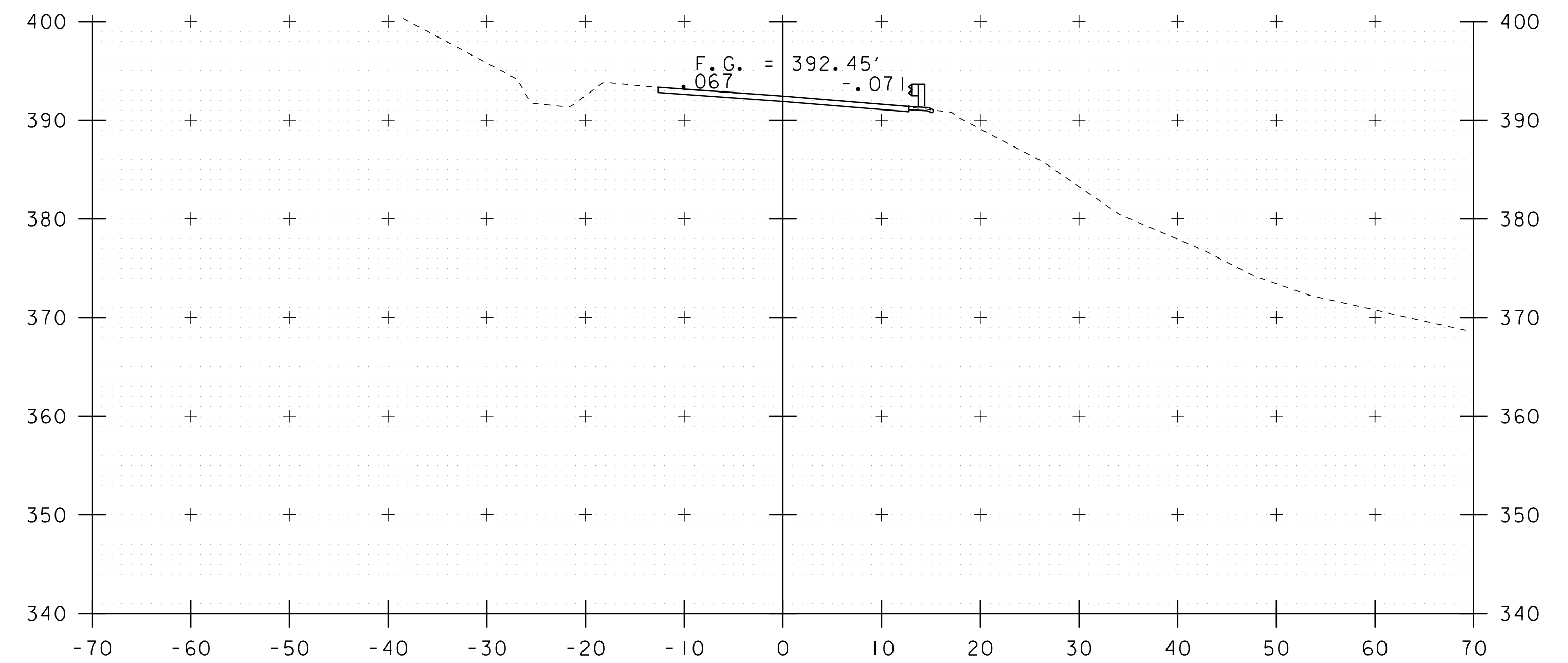
41+25

STA. 40+75 TO STA. 41+50

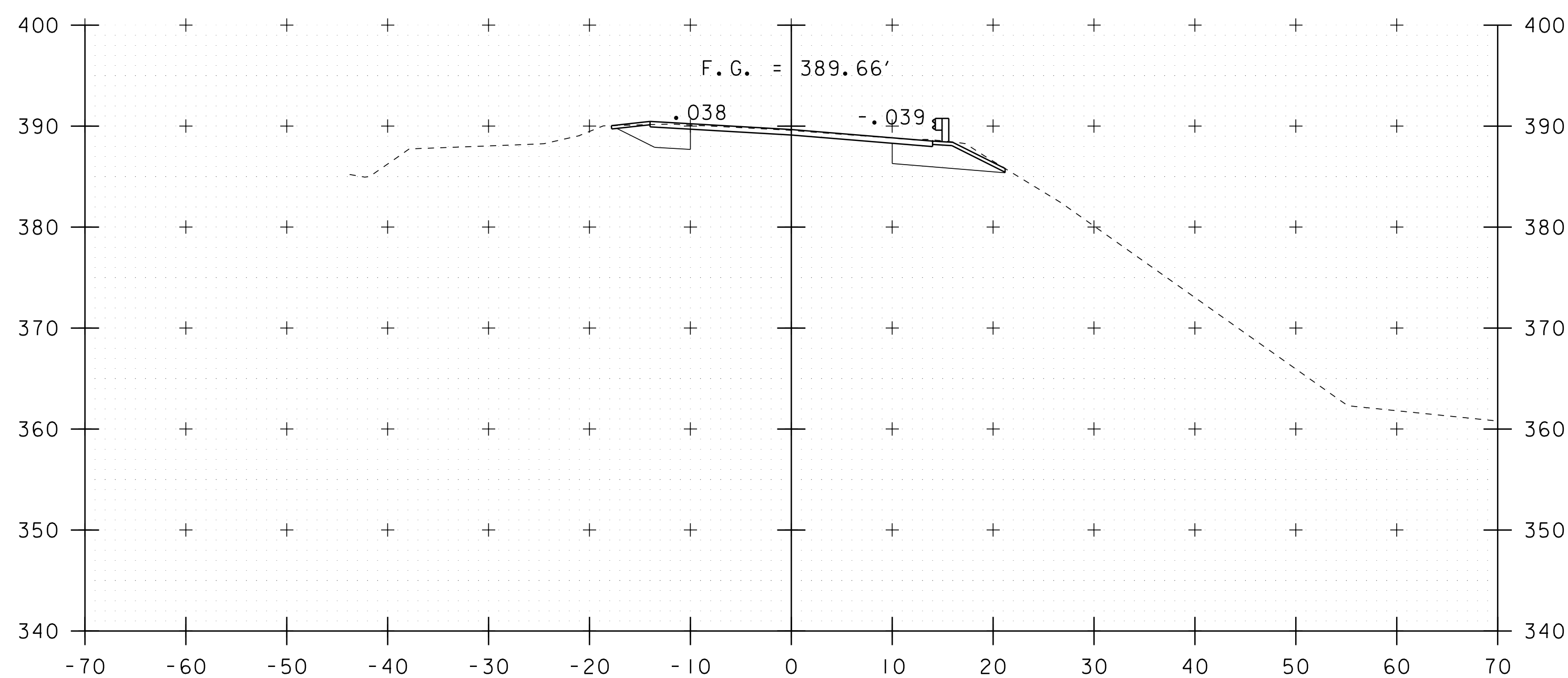
PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 7	SHEET 18 OF 32



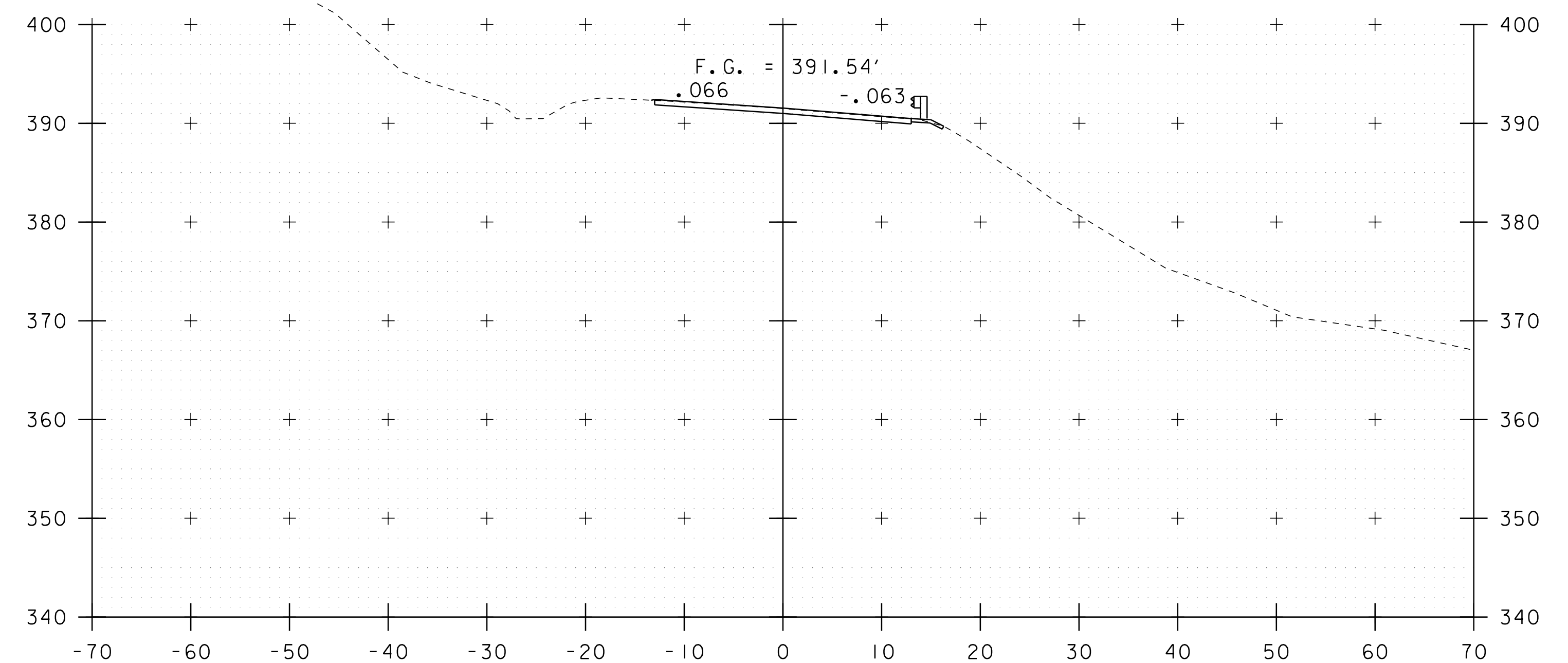
42+00



42+50



41+75

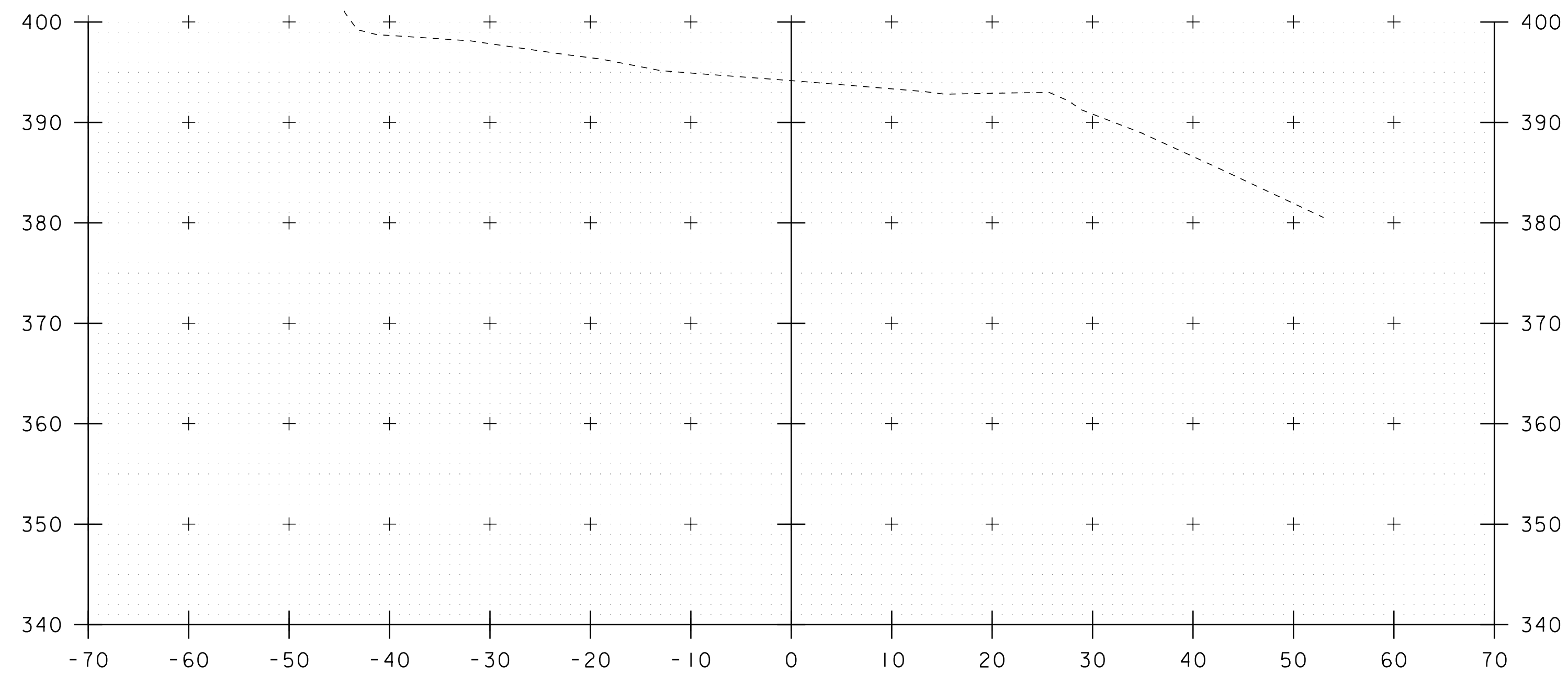


42+25

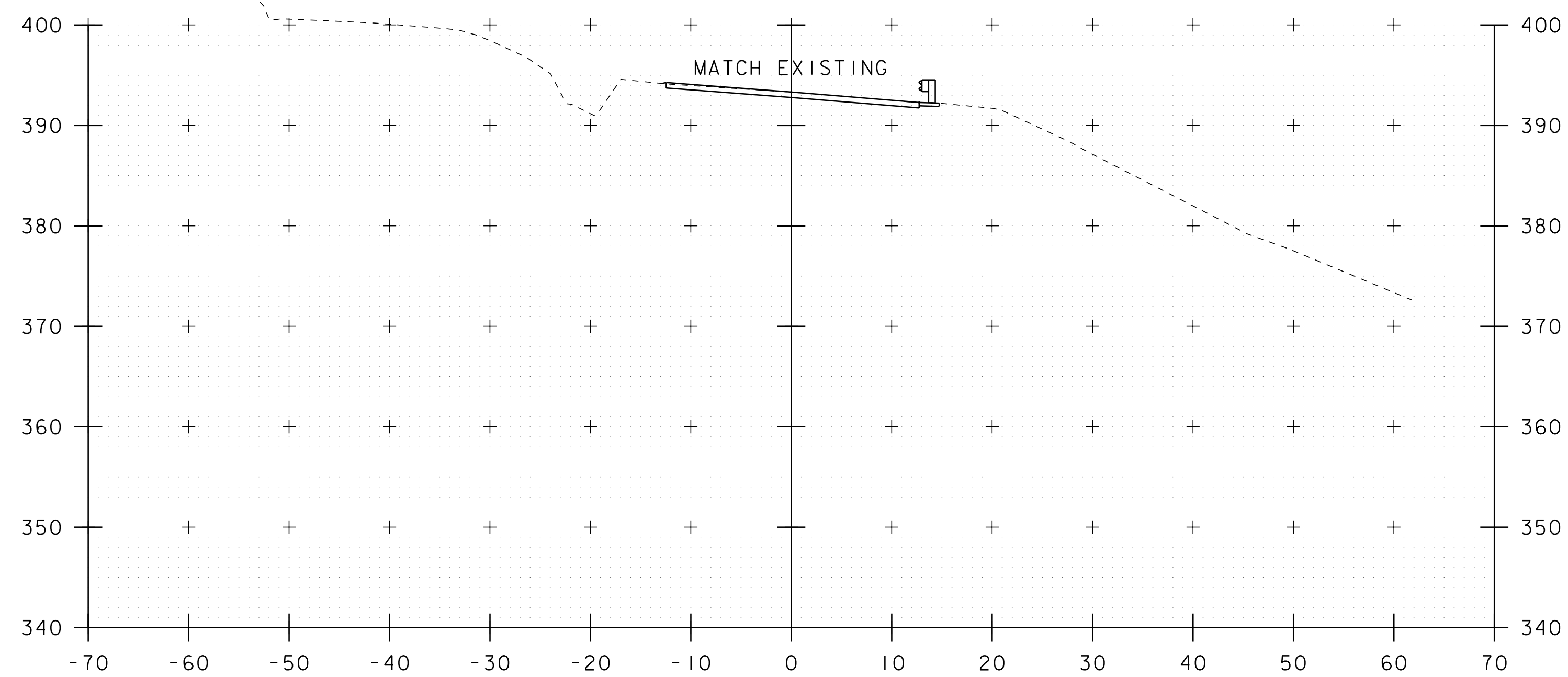
END PROJECT  
STA 41+75

STA. 41+75 TO STA. 42+50

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
MAINLINE CROSS SECTIONS 8	SHEET 19 OF 32



43+00



42+75

END APPROACH  
STA 42+75.00

STA. 42+75 TO STA. 43+00

PROJECT NAME: WESTMINSTER

PROJECT NUMBER: BF 0126(13)

FILE NAME: I2J668/si2j668xs.dgn

PROJECT LEADER: J.B.MCCARTHY

DESIGNED BY: J.B.MCCARTHY

MAINLINE CROSS SECTIONS 9

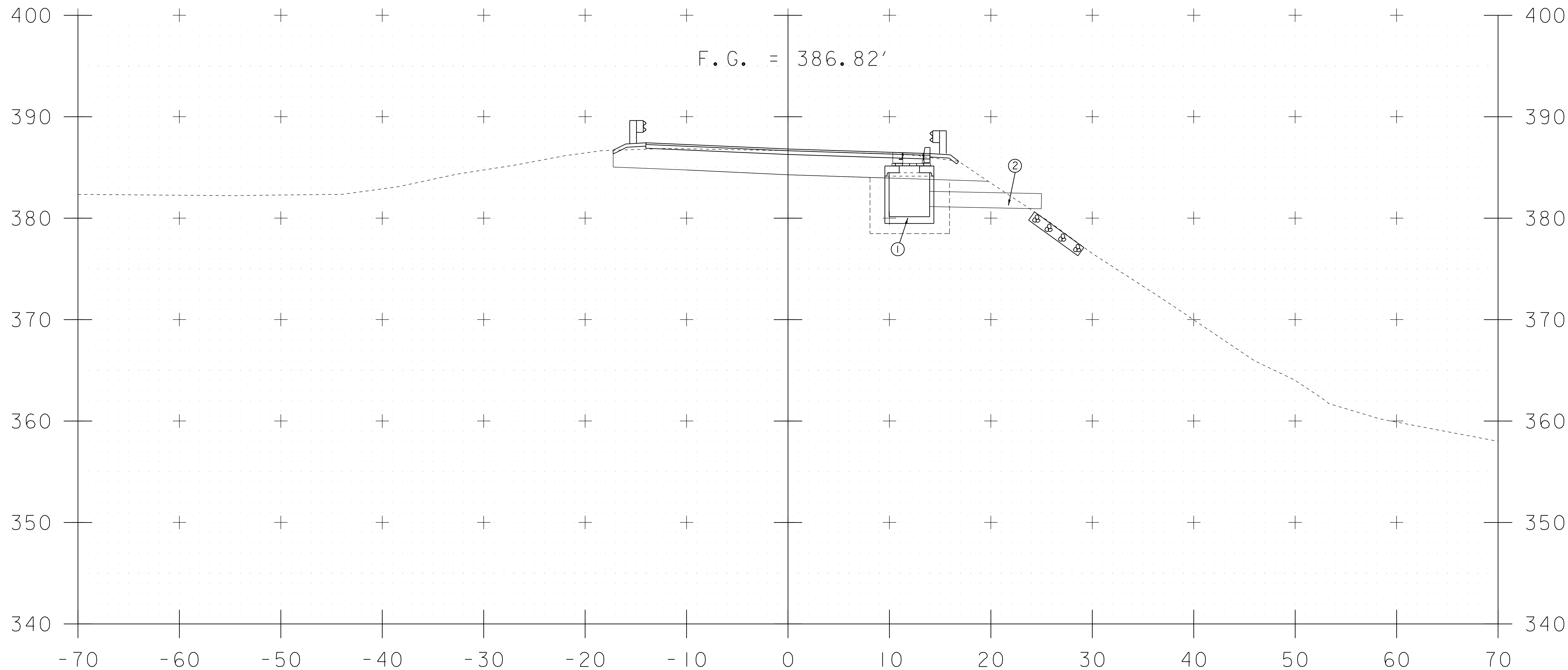
PLOT DATE: 29-MAR-2021

DRAWN BY: D.D.BEARD

CHECKED BY: K. LIHIC

SHEET 20 OF 32



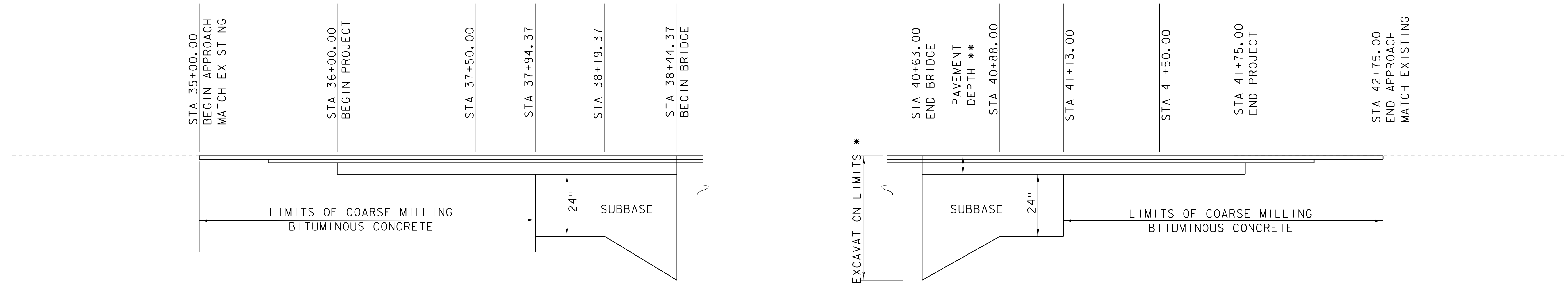


DRAINAGE PROFILE  
 STA @ 41+07.20 RT

① STA 41+07.20, 13.00' RT  
 PRECAST REINFORCED DROP INLET  
 WITH CAST IRON GRATE, TYPE D  
 RIM EL. 386.82  
 SUMP EL. 380.56

② STA 41+07.20, 14.00' RT  
 NEW 18" X 11' CPEP (SL)  
 INLET EL. 381.56  
 OUTLET EL. 381.34

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.J.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHC
MAINLINE CROSS SECTIONS 10	SHEET 21 OF 32

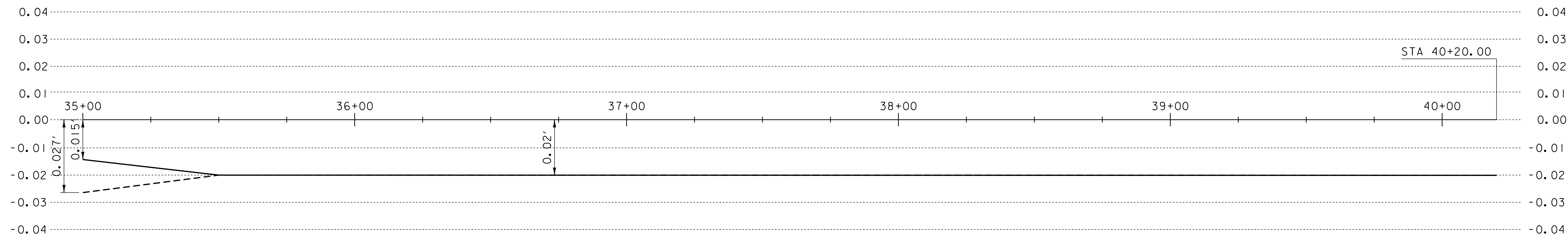


### VT ROUTE 121 MATERIAL TRANSITION DIAGRAM

(NOT TO SCALE)

- \* SEE ABUTMENT EARTHWORK TYPICAL SECTION, FOR MORE INFORMATION
- \*\* SEE ROADWAY TYPICAL SECTIONS FOR PAVEMENT DESIGN

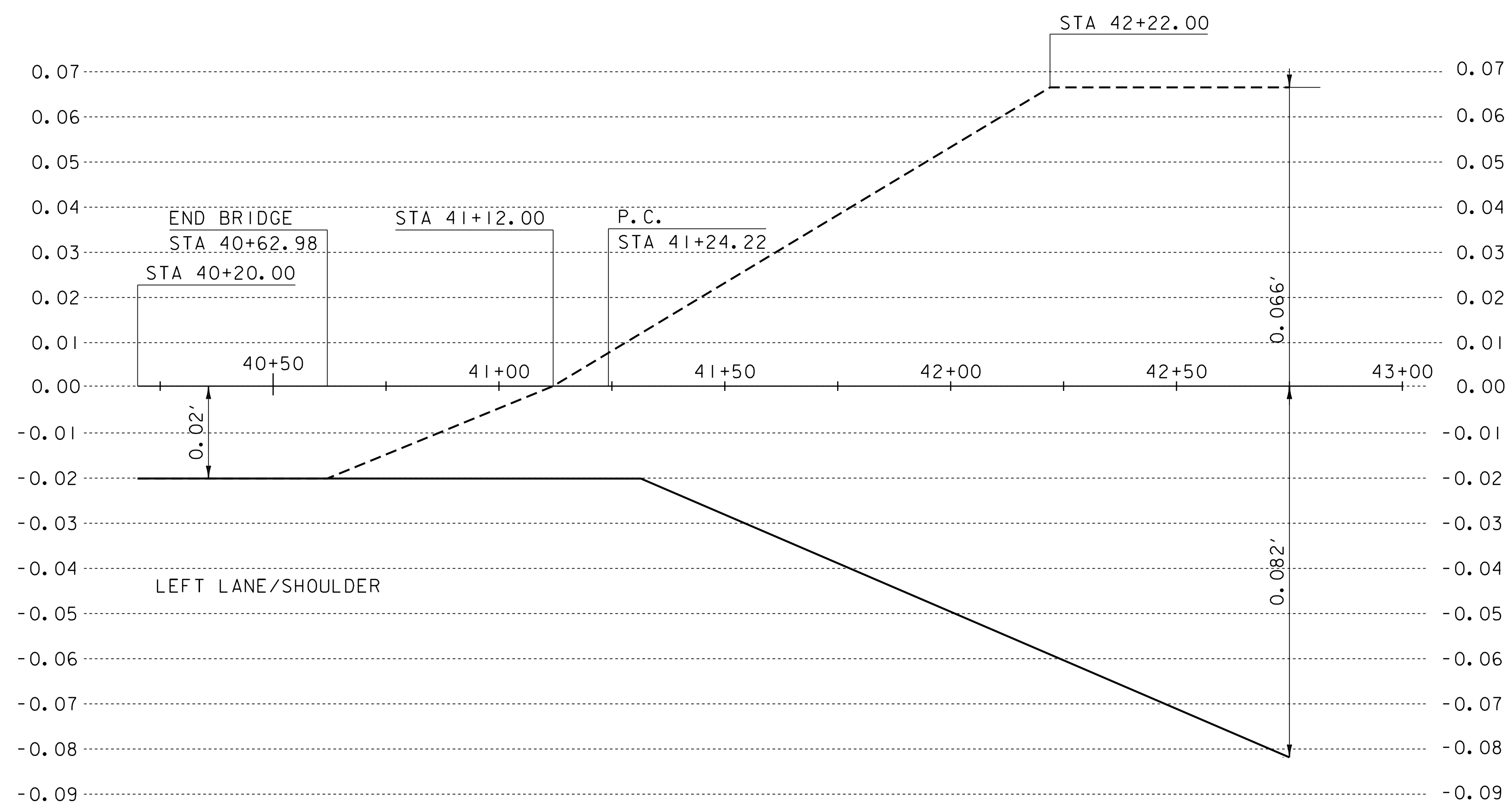
PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 126(13)	
FILE NAME: I2J668/SI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: JB McCarthy	DRAWN BY: HISALLS
DESIGNED BY: HISALLS	CHECKED BY: K LIHC
MATERIAL TRANSITION DIAGRAM	SHEET 22 OF 32



----- LEFT LANE/SHOULDER  
 \_\_\_\_\_ RIGHT LANE/SHOULDER

### BANKING DIAGRAM

HORIZONTAL SCALE: 1" = 20' - 0"  
 NO VERTICAL SCALE



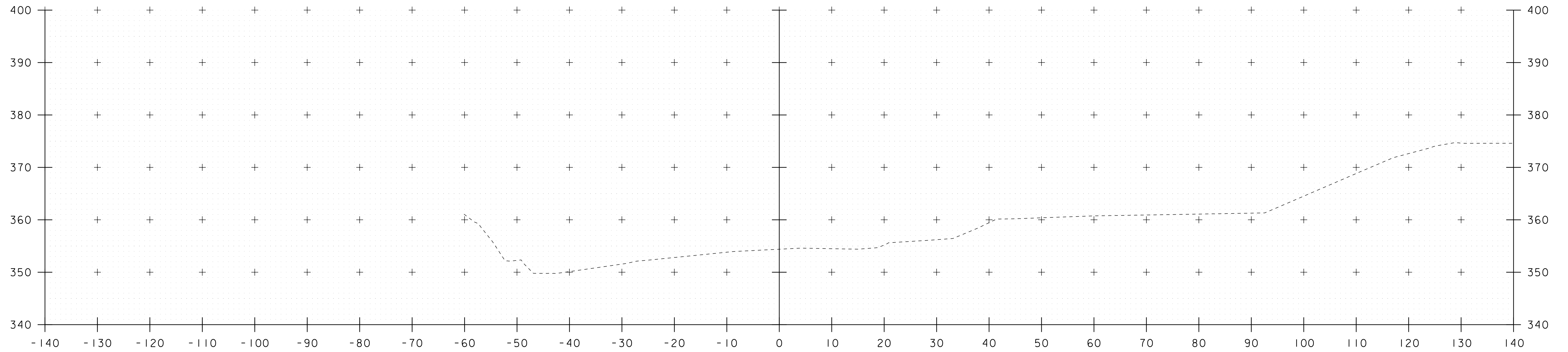
----- LEFT LANE/SHOULDER  
 \_\_\_\_\_ RIGHT LANE/SHOULDER

### BANKING DIAGRAM

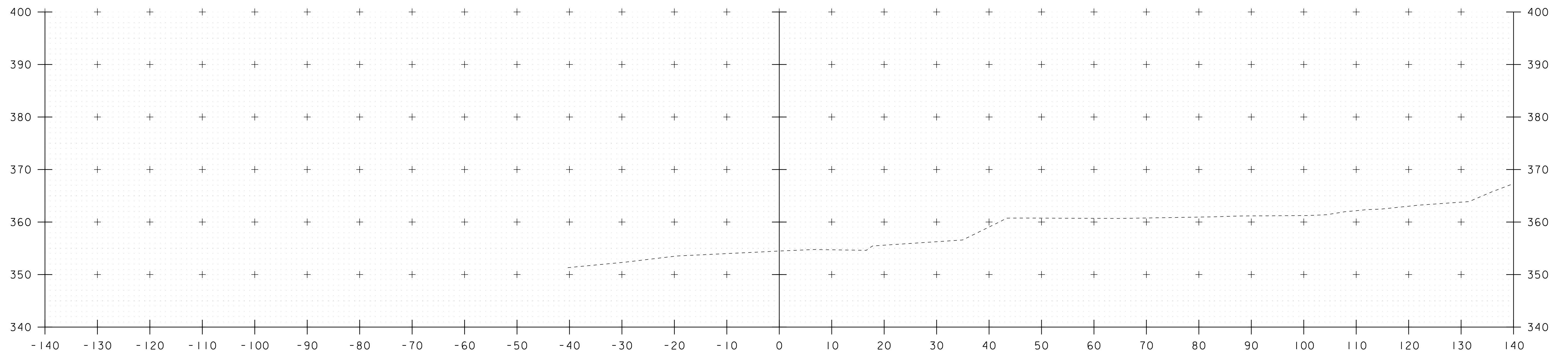
HORIZONTAL SCALE: 1" = 20' - 0"  
 NO VERTICAL SCALE

PROJECT NAME: WESTMINSTER  
 PROJECT NUMBER: BF 126(13)

FILE NAME: I2J668/SI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: JB McCarthy	DRAWN BY: HISALLS
DESIGNED BY: HISALLS	CHECKED BY: K LIHC
BANKING DIAGRAM	SHEET 23 OF 32



50+25

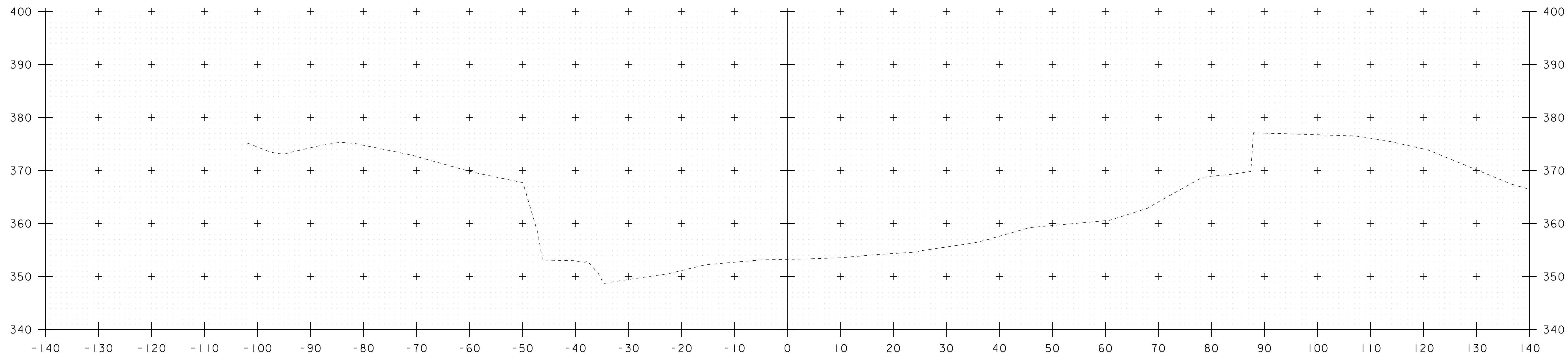


50+00

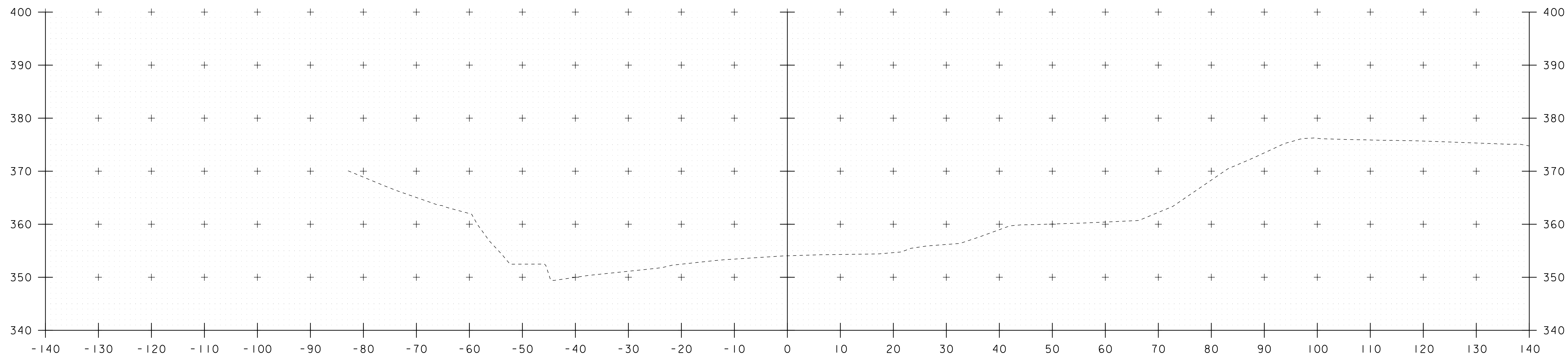
STA. 50+00 TO STA. 50+25

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/s12J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.J.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
CHANNEL CROSS SECTIONS 1	SHEET 24 OF 32





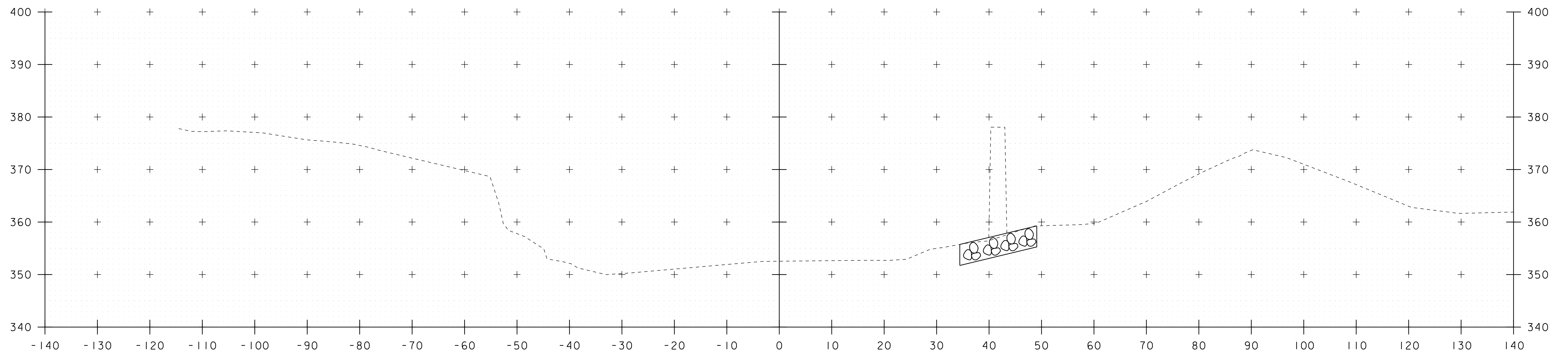
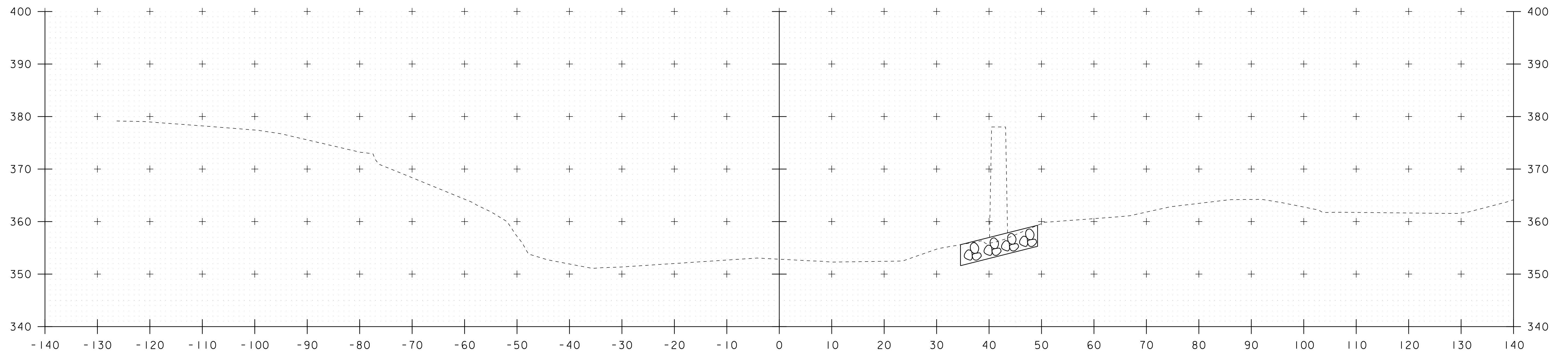
50+75



50+50

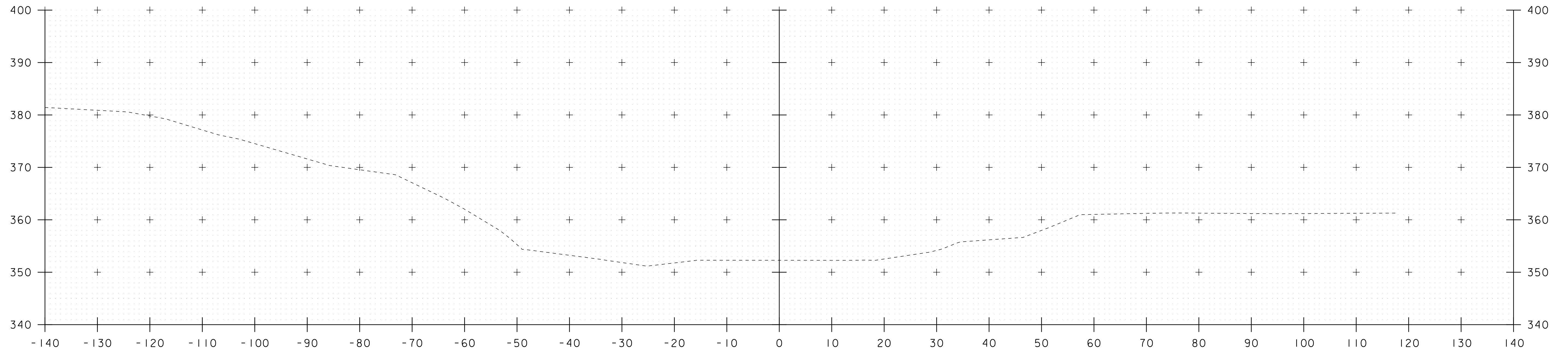
STA. 50+50 TO STA. 50+75

PROJECT NAME: WESTMINSTER	PLOT DATE: 29-MAR-2021
PROJECT NUMBER: BF 0126(13)	DRAWN BY: D.J.BEARD
FILE NAME: I2J668/sI2J668xs.dgn	CHECKED BY: K. LIHIC
PROJECT LEADER: J.B.MCCARTHY	SHEET 25 OF 32
DESIGNED BY: J.B.MCCARTHY	
CHANNEL CROSS SECTIONS 2	

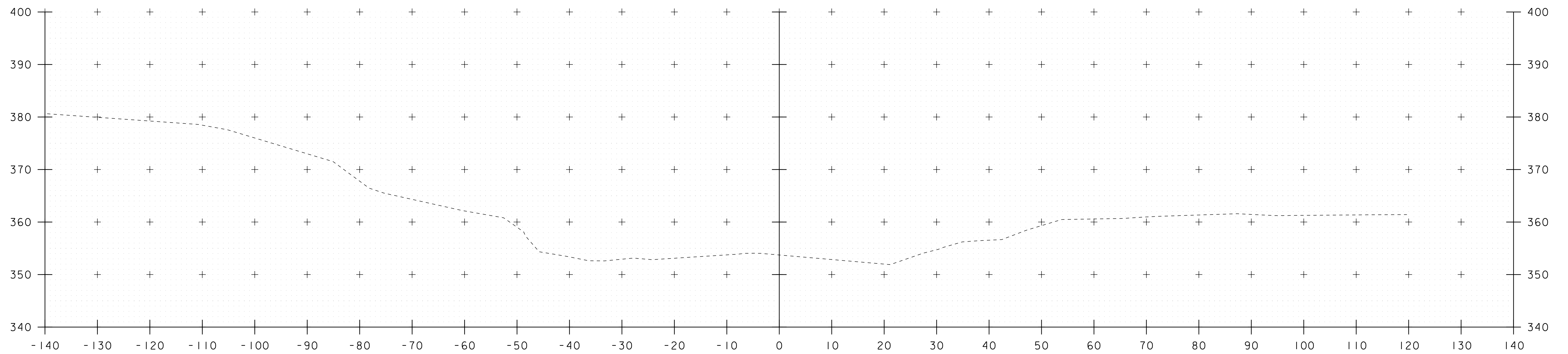


STA. 51+00 TO STA. 51+25

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/s12J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
CHANNEL CROSS SECTIONS 3	SHEET 26 OF 32



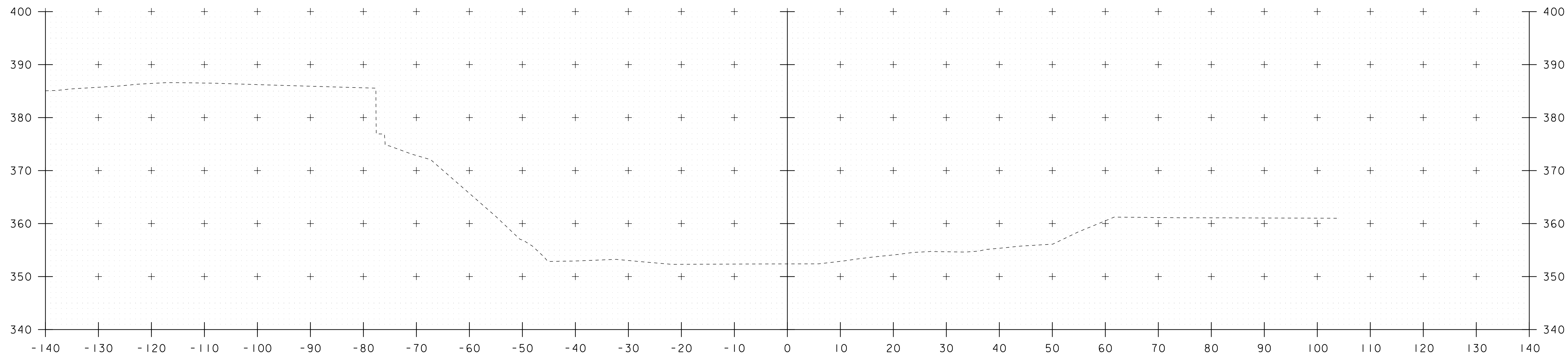
51+75



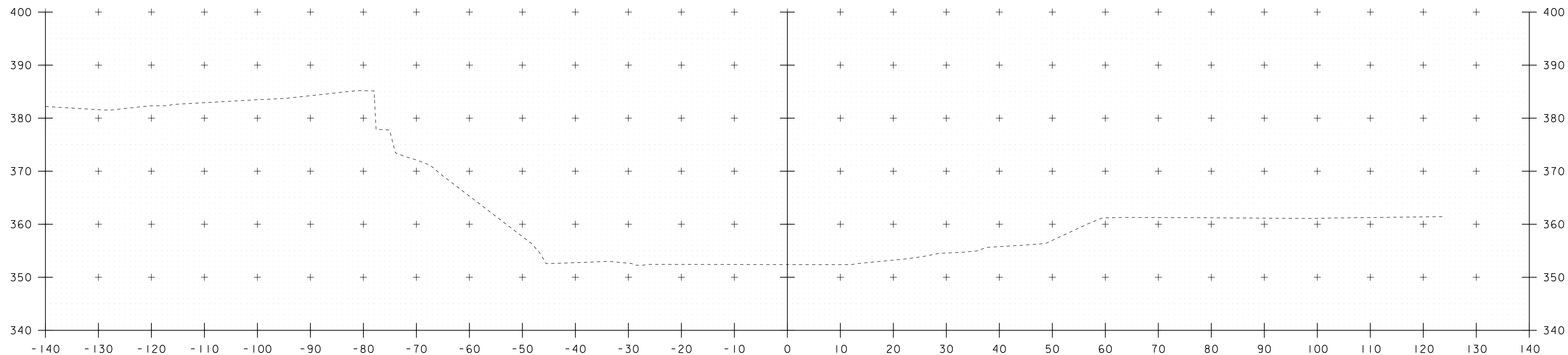
51+50

STA. 51+50 TO STA. 51+75

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/s12J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHC
CHANNEL CROSS SECTIONS 4	SHEET 27 OF 32



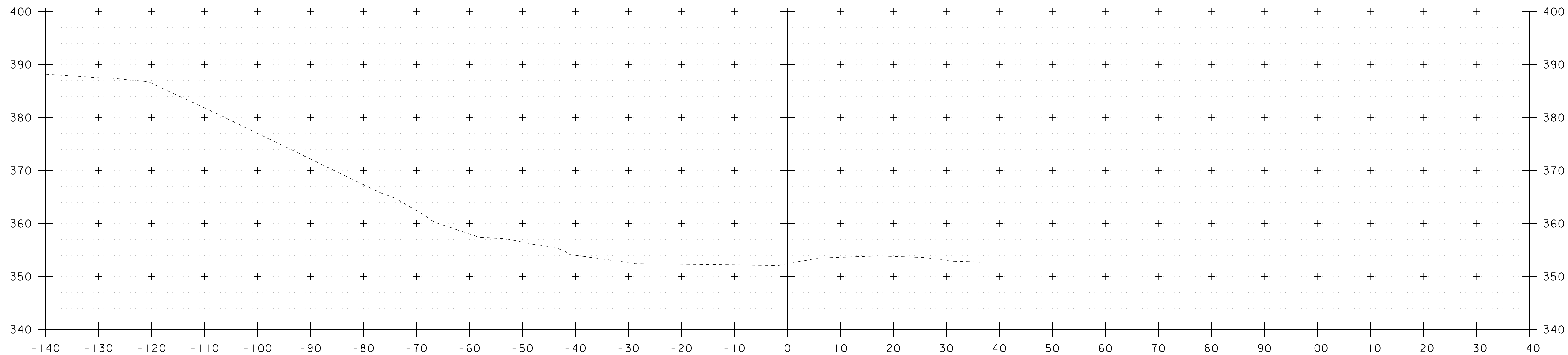
52+25



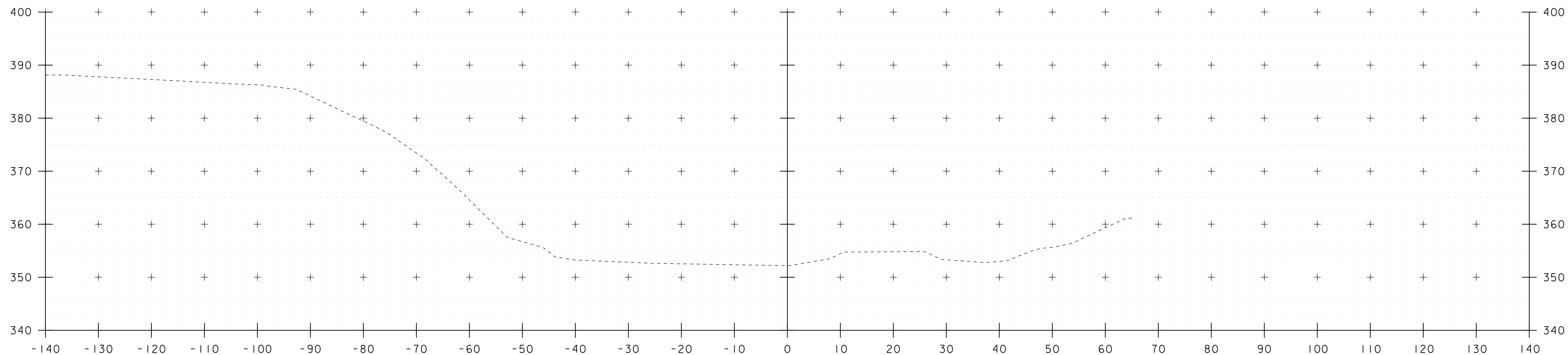
52+00

STA. 52+00 TO STA. 52+25

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
CHANNEL CROSS SECTIONS 5	SHEET 28 OF 32



52+75

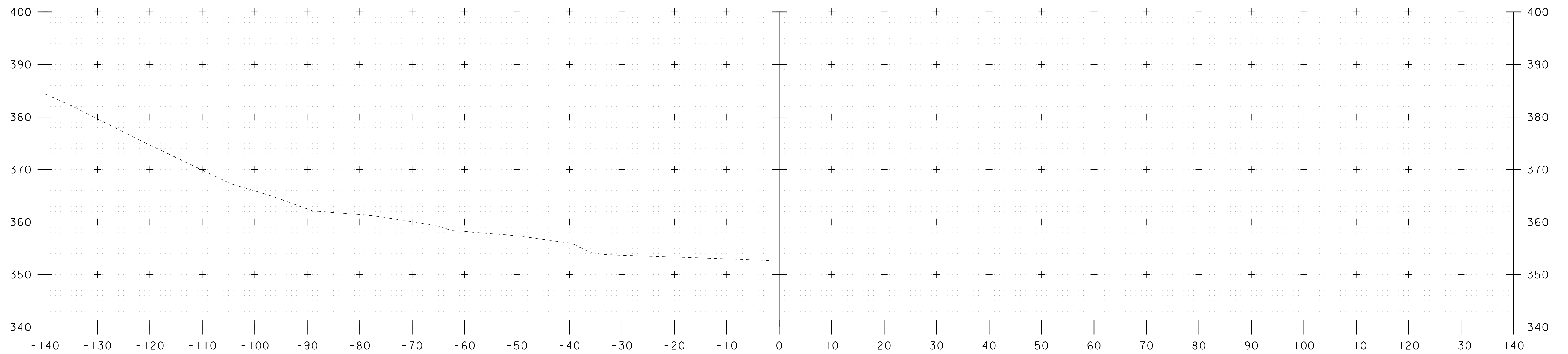


52+50

STA. 52+50 TO STA. 52+75

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/si2j668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
CHANNEL CROSS SECTIONS 6	SHEET 29 OF 32

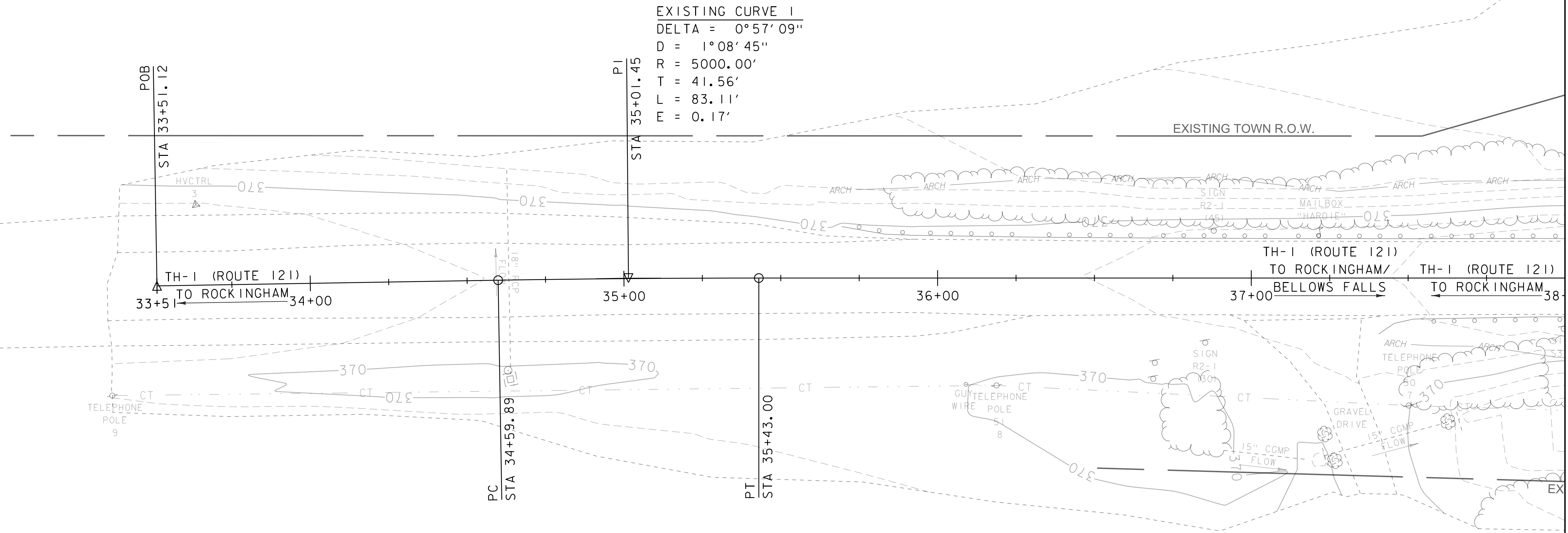
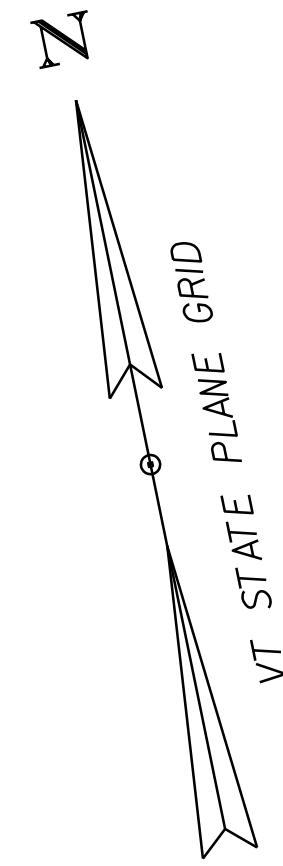




53+00

STA. 53+00 TO STA. 53+00

PROJECT NAME: WESTMINSTER	
PROJECT NUMBER: BF 0126(13)	
FILE NAME: I2J668/si2j668xs.dgn	PLOT DATE: 29-MAR-2021
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: K. LIHIC
CHANNEL CROSS SECTIONS 7	SHEET 30 OF 32



CSB VT PROPERTIES LLC

CSB VT PROPERTY

EXISTING CURVE 1  
 DELTA = 0°57'09"  
 D = 1°08'45"  
 R = 5000.00'  
 T = 41.56'  
 L = 83.11'  
 E = 0.17'

EXISTING TOWN R.O.W.

TH-1 (ROUTE 121) TO ROCKINGHAM/BELLOWS FALLS

TELEPHONE POLE 9

GUY TELEPHONE WIRE POLE 8

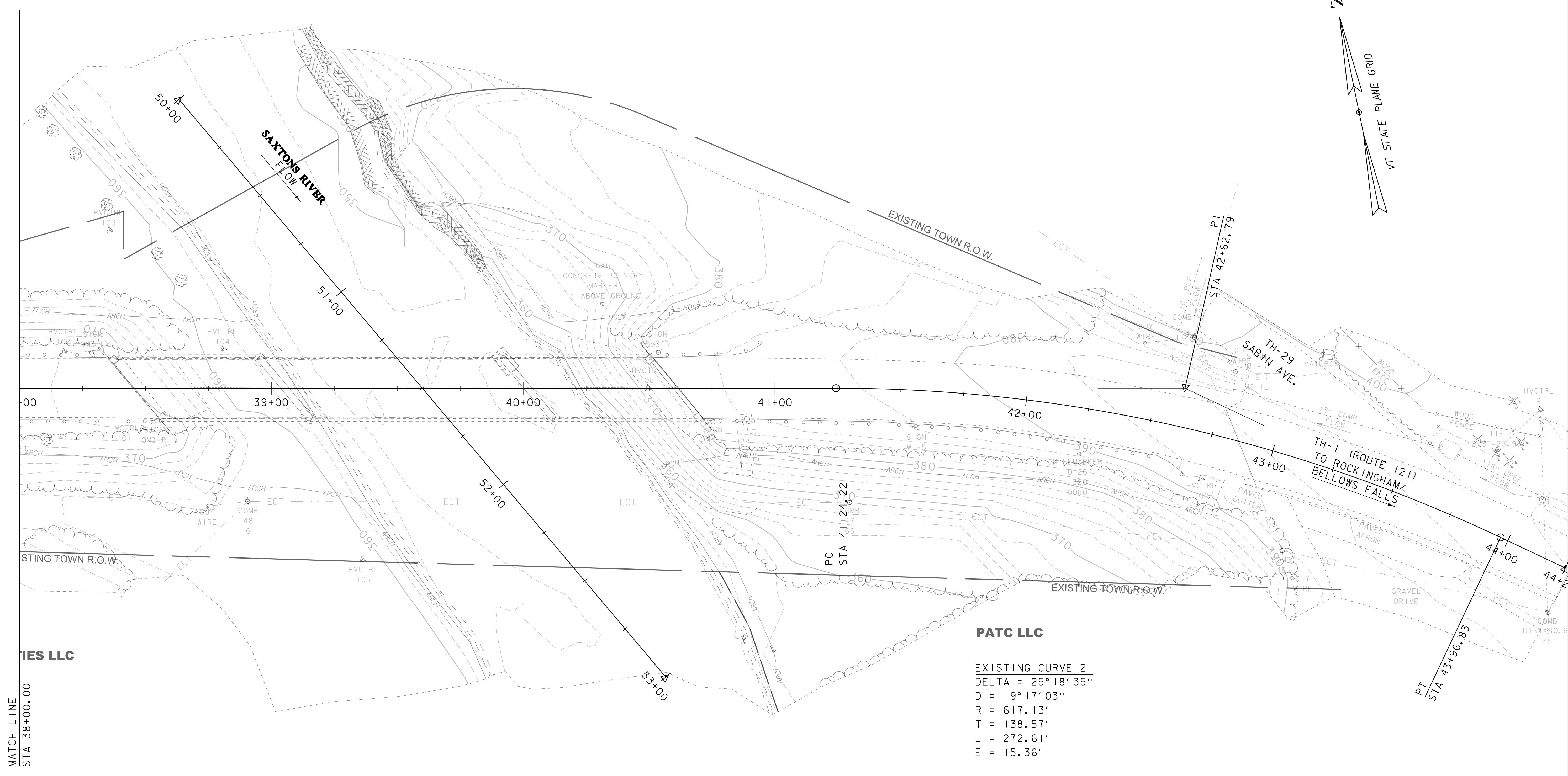
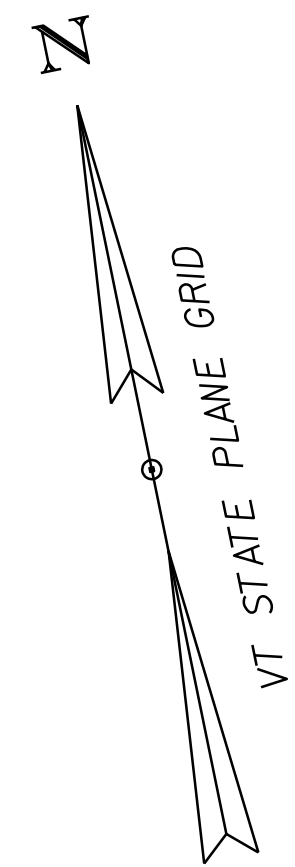
GRVEL DRIVE

MATCH LINE  
 STA 38+00.00

EXISTING CONDITIONS

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

PROJECT NAME: WESTMINSTER	PLOT DATE: 29-MAR-2021
PROJECT NUMBER: BF 0126(I3)	DRAWN BY: D.D.BEARD
FILE NAME: I2J668/sI2J668border.dgn	CHECKED BY: H. I. SALLS
PROJECT LEADER: J.B.MCCARTHY	SHEET 31 OF 32
DESIGNED BY: H.I. SALLS	
EXISTING CONDITIONS	



MATCH LINE  
STA 38+00.00

**PATC LLC**  
 EXISTING CURVE 2  
 DELTA = 25° 18' 35"  
 D = 9° 17' 03"  
 R = 617.13'  
 T = 138.57'  
 L = 272.61'  
 E = 15.36'

EXISTING CONDITIONS

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

PROJECT NAME:	WESTMINSTER	FILE NAME:	I2J668/sI2J668border.dgn	PLOT DATE:	29-MAR-2021
PROJECT NUMBER:	BF 0126(I3)	PROJECT LEADER:	J.B.MCCARTHY	DRAWN BY:	D.D.BEARD
		DESIGNED BY:	H.I.SALLS	CHECKED BY:	H. I. SALLS
		EXISTING CONDITIONS 2		SHEET	32 OF 32