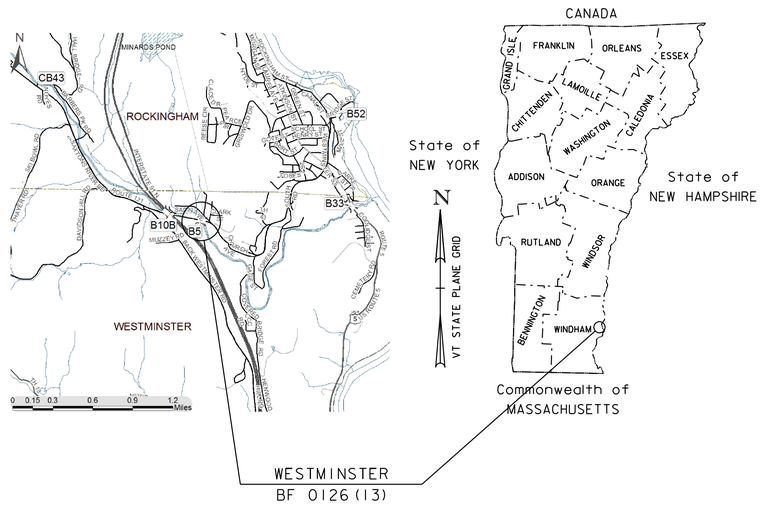
REVIEWER NOTES:

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

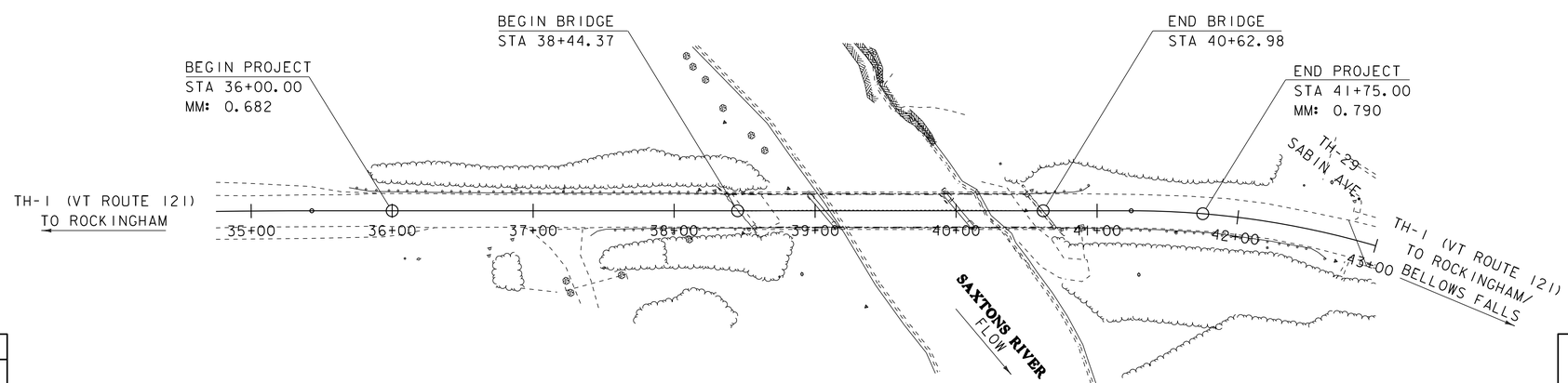
TOWN OF WESTMINSTER
COUNTY OF WINDHAM

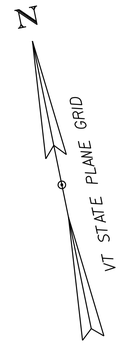
ROUTE NO : FAS ROUTE 0126, MAJOR COLLECTOR (TH-1 (VT ROUTE 121), SAXTONS RIVER RD.) BRIDGE NO: 5

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





SCALE 1" = 50'-0"
50 0 50

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)

CONCEPTUAL PLANS
20-FEB-2020

HIGHWAY DIVISION, CHIEF ENGINEER
APPROVED _____ DATE _____

PROJECT MANAGER : J. B. MCCARTHY

PROJECT NAME : WESTMINSTER
PROJECT NUMBER : BF 0126(13)

SHEET 1 OF 25 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PRELIMINARY INFORMATION SHEET (BRIDGE)

Version
LRFD

INDEX OF SHEETS

PLAN SHEETS

DETAIL SHEETS

STANDARDS LIST

FINAL HYDRAULIC REPORT

DECK REPLACEMENT PROJECT
NO HYDRAULICS REQUIRED

TRAFFIC MAINTENANCE NOTES

1. MAINTAIN TWO-WAY TRAFFIC ON THE EXISTING STRUCTURE.
2. TRAFFIC SIGNALS ARE NOT NECESSARY.
3. SIDEWALKS 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 (THREE SPANS) (60.10 - 92.38 - 60.10) FT	L:	212.58 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'_{ci}:	- - -
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 PSS	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	f_y:	- - -
14. NOMINAL BEARING RESISTANCE OF SOIL	q_n:	4.0 KSF
15. SOIL BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	- - -
16. NOMINAL BEARING RESISTANCE OF ROCK	q_n:	10.0 KSF
17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)	ϕ:	- - -
18. PILE RESISTANCE FACTOR	ϕ:	- - -
19. LATERAL PILE DEFLECTION	Δ:	- - -
20. BASIC WIND SPEED	V_{3s}:	- - -
21. MINIMUM GROUND SNOW LOAD	p_g:	- - -
22. SEISMIC DATA PGA: - - -	S_s:	- - -
	S_1:	- - -
23.		
24.		- - -
25.		- - -
26.		- - -

LRFR LOAD RATING FACTORS

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

TRAFFIC DATA

YEAR	ADT	DHV	% D	% T	ADTT
2018	2700	360	51	6.6	210
2038	3000	410	51	10.1	350

20 year ESAL for flexible pavement from 2018 to 2038 : 836000
40 year ESAL for flexible pavement from 2018 to 2058 : 1976000
Design Speed : 30 mph

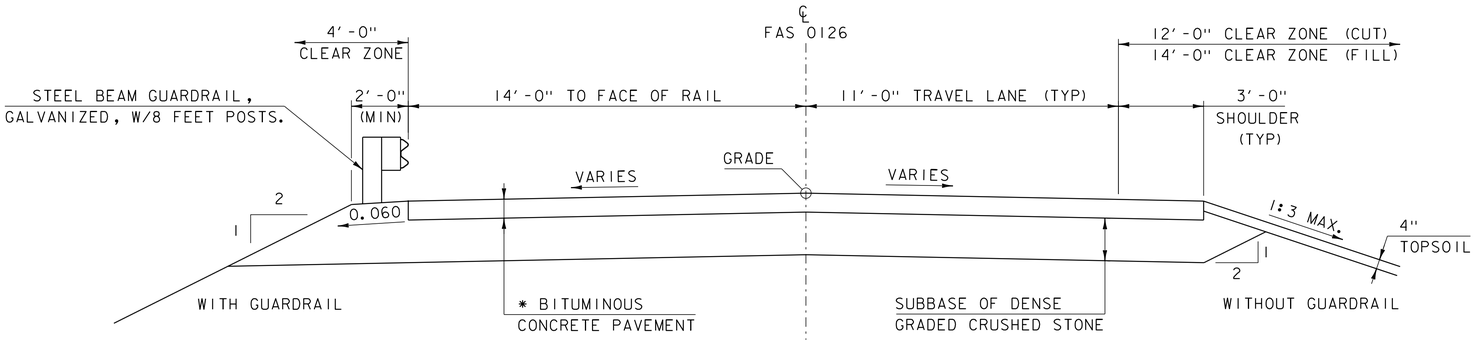
AS BUILT "REBAR" DETAIL

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

PROJECT NAME: **WESTMINSTER**
PROJECT NUMBER: **BF 0126(13)**

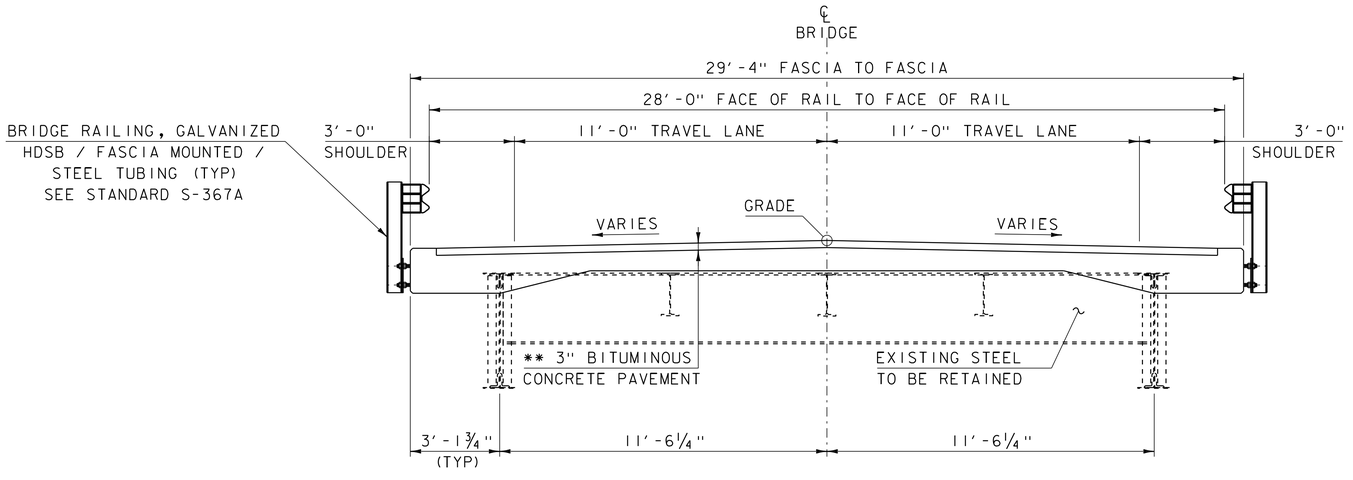
FILE NAME: **12j668/s12j668forms.dgn**
PROJECT LEADER: **J.B.MCCARTHY**
DESIGNED BY:
PRELIMINARY INFORMATION SHEET 1

PLOT DATE: 2/18/2020
DRAWN BY: **D.D.BEARD**
CHECKED BY:
SHEET 2 OF 25



FAS 0126 TYPICAL SECTION

SCALE 3/8" = 1'-0"



BRIDGE 5 TYPICAL SECTION

SCALE 3/8" = 1'-0"

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
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668\sl2j668typical.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
TYPICAL SECTIONS

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 3 OF 25

GENERAL INFORMATION

SYMBOLOGY LEGEND NOTE

THE SYMBOLOGY ON THIS SHEET IS INTENDED TO COVER STANDARD CONVENTIONAL SYMBOLOGY. THE SYMBOLOGY 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. SYMBOLOGY 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 SYMBOLOGY

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 SYMBOLOGY

PROJECT DESIGN & LAYOUT SYMBOLOGY

- 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 — PDF — PROJECT DEMARCATION FENCE
- BF — BF — BARRIER FENCE
- TREE PROTECTION ZONE (TPZ)
- STRIPING LINE REMOVAL
- SHEET PILES

CONVENTIONAL BOUNDARY SYMBOLOGY

BOUNDARY LINES

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

EPSC LAYOUT PLAN SYMBOLOGY

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 SYMBOLOGY

ENVIRONMENTAL RESOURCES

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

ARCHEOLOGICAL & HISTORIC

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

CONVENTIONAL TOPOGRAPHIC SYMBOLOGY

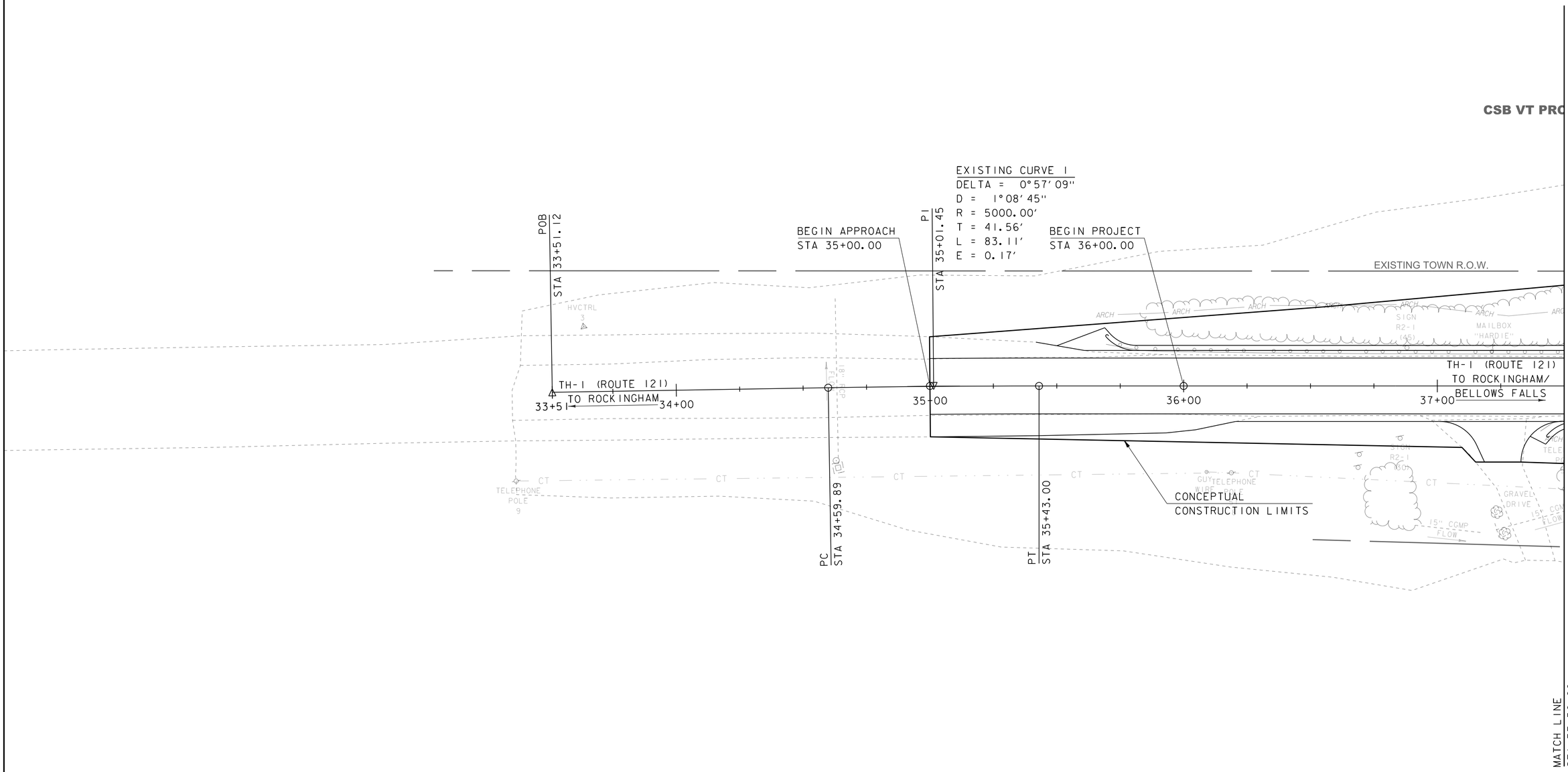
EXISTING FEATURES

- 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(13)

FILE NAME: l2j668/sl2j668forms.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: ------
SYMBOLOGY LEGEND SHEET

PLOT DATE: 20-FEB-2020
DRAWN BY: M.LONGSTREET
CHECKED BY: ------
SHEET 4 OF 25



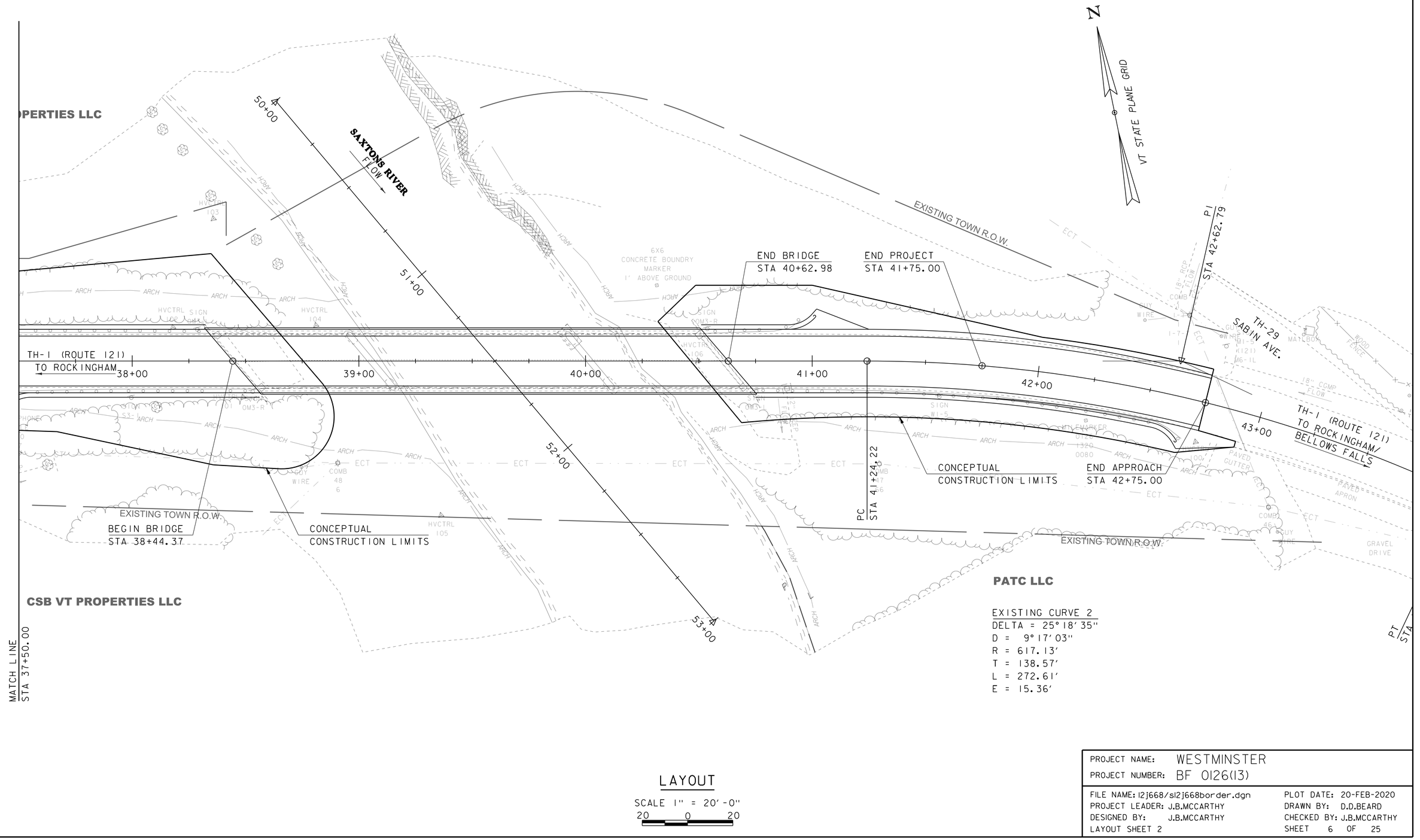
LAYOUT

SCALE 1" = 20'-0"

20 0 20

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)

FILE NAME: 12j668/sl2j668border.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
LAYOUT SHEET 1	SHEET 5 OF 25

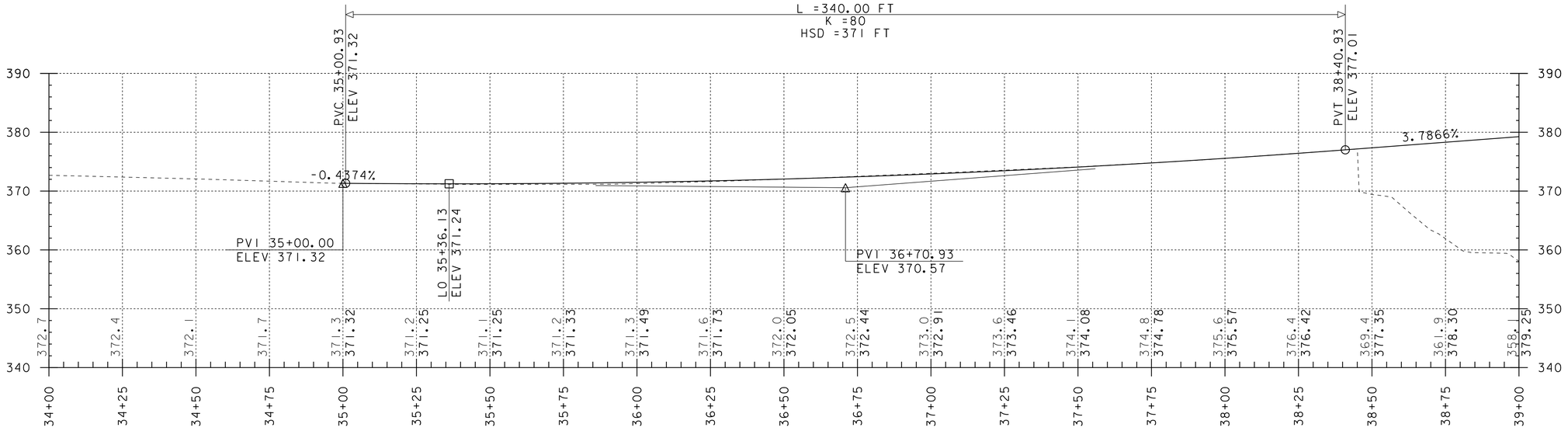


LAYOUT

SCALE 1" = 20'-0"

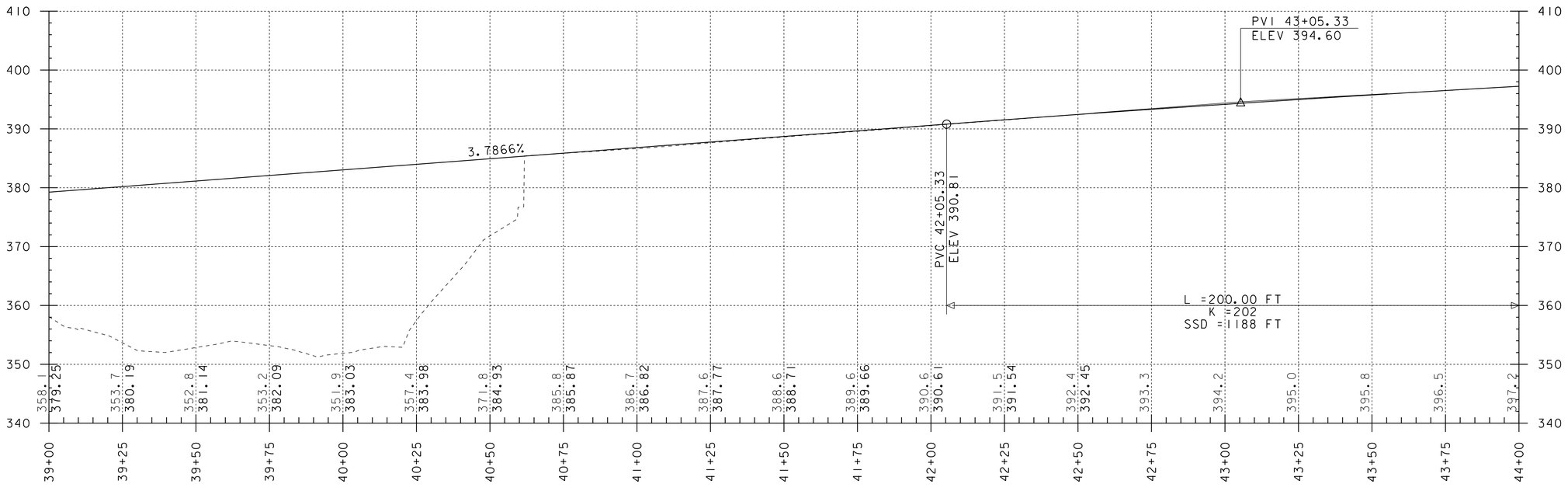
20 0 20

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/sl2j668border.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
LAYOUT SHEET 2	SHEET 6 OF 25



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

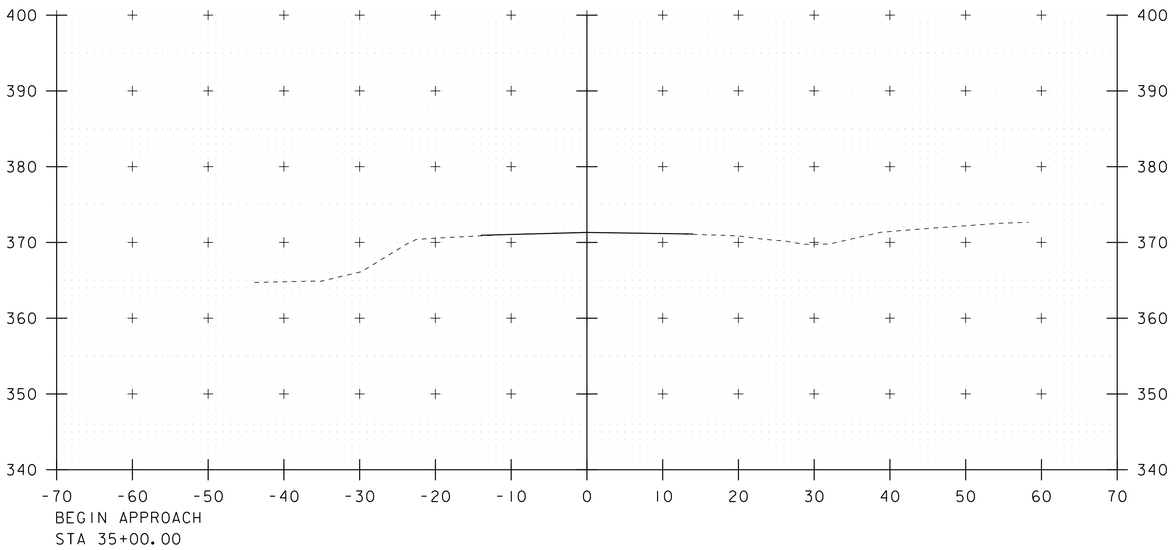
SCALE: HORIZONTAL 1"=20'-0"
VERTICAL 1"=10'-0"

NOTE:
GRADES SHOWN TO THE NEAREST TENTH ARE EXISTING GROUND ALONG ℄
GRADES SHOWN TO THE NEAREST HUNDREDTH ARE FINISH GRADE ALONG ℄

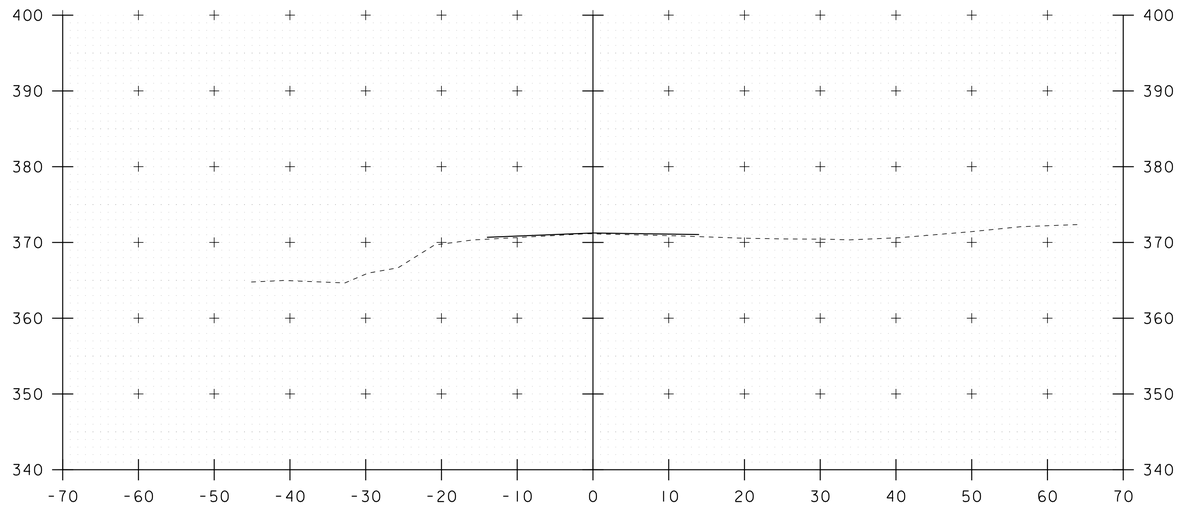
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668profile.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
PROFILE SHEET

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 7 OF 25



35+00



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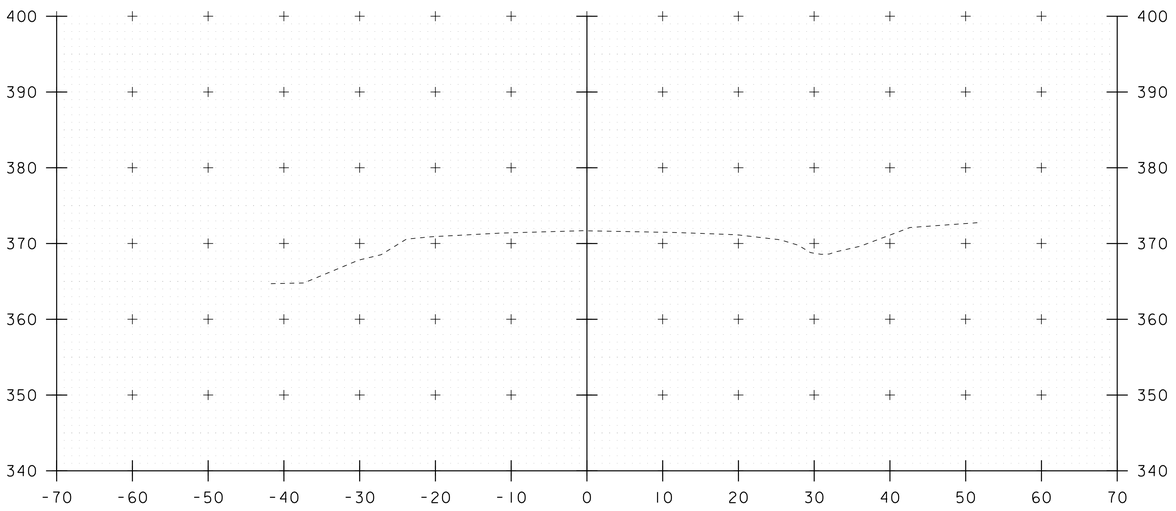
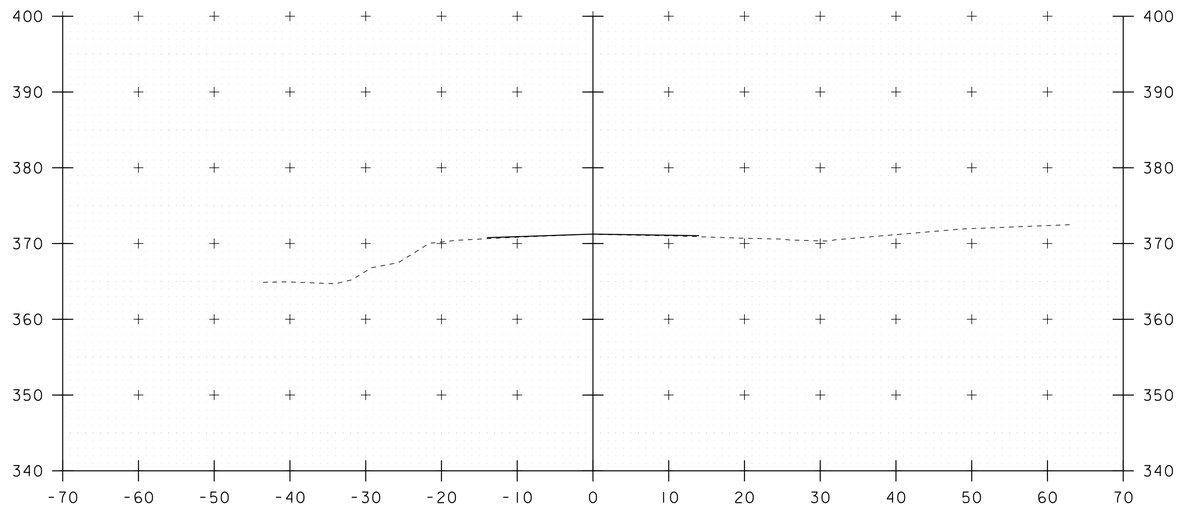


34+75



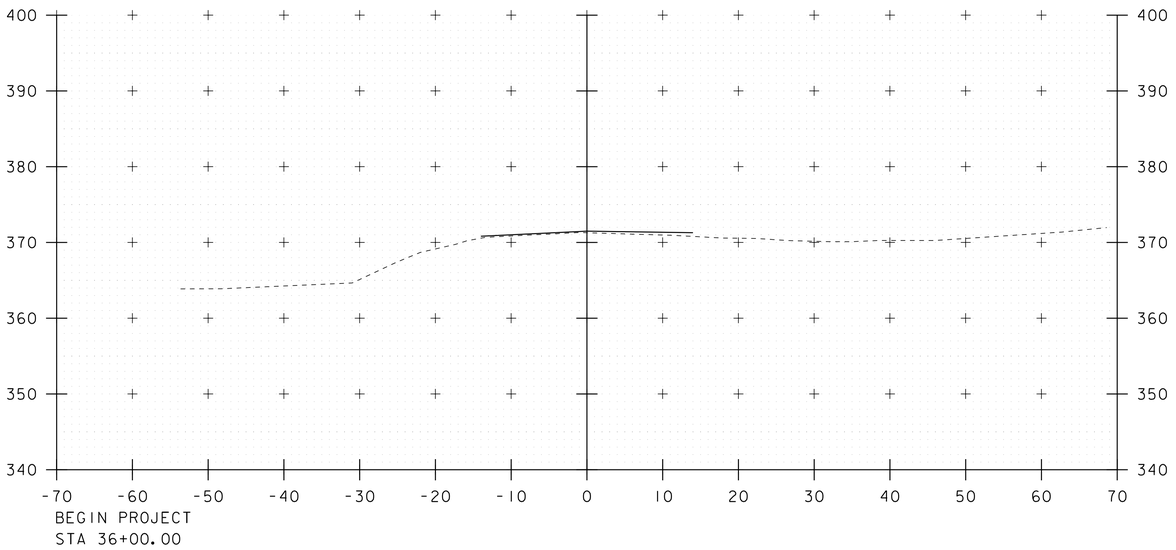
35+25

STA. 34+75 TO STA. 35+50

PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 1

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 8 OF 25



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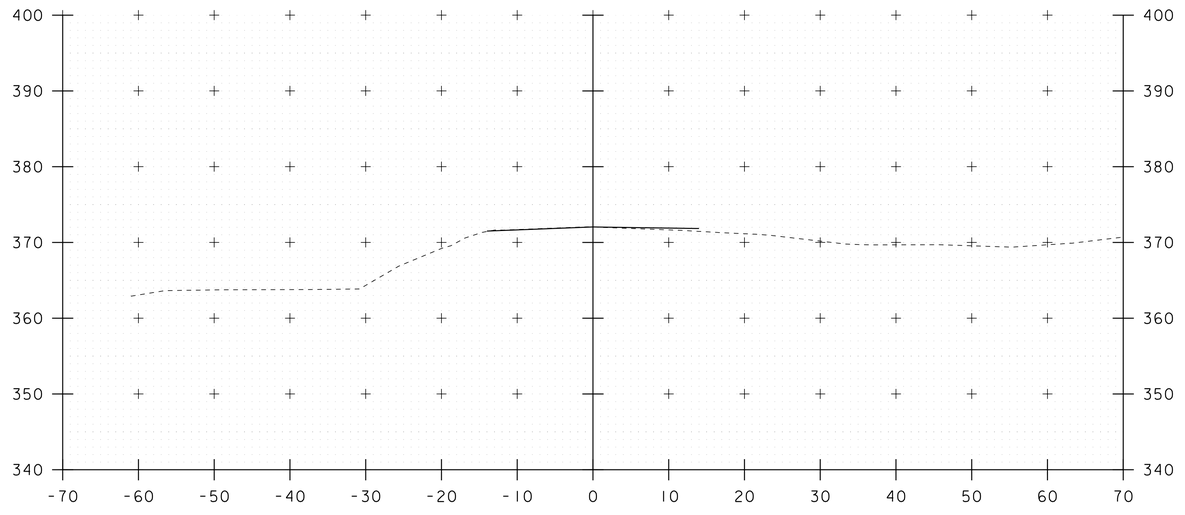

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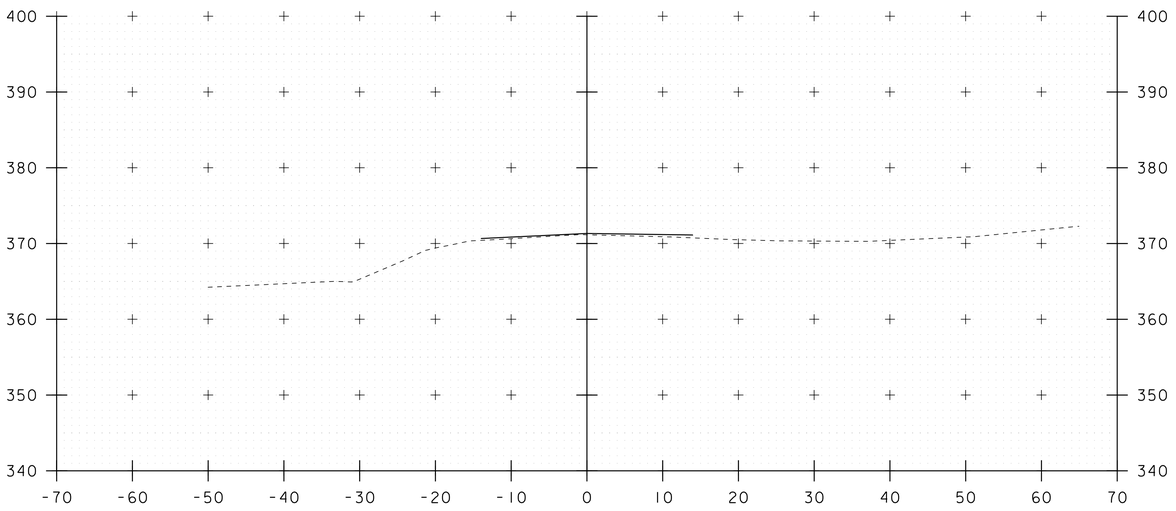
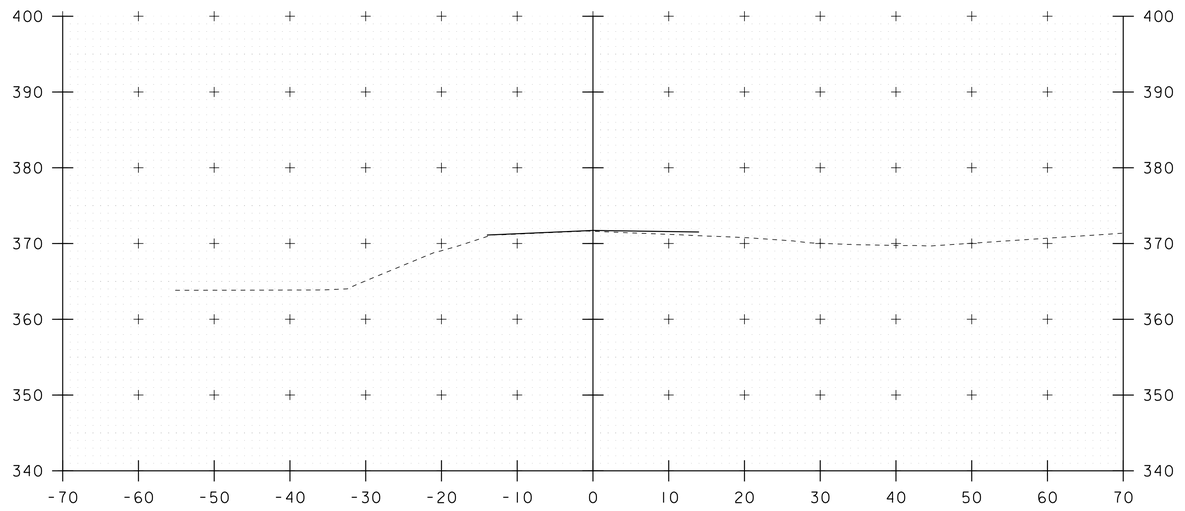


35+75



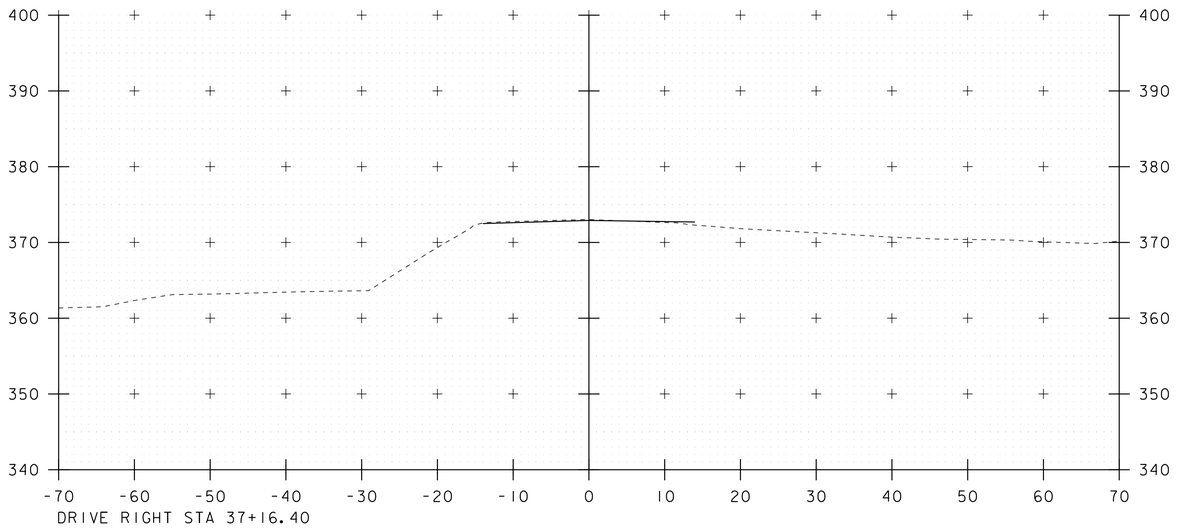
36+25

STA. 35+75 TO STA. 36+50

PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 2

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 9 OF 25



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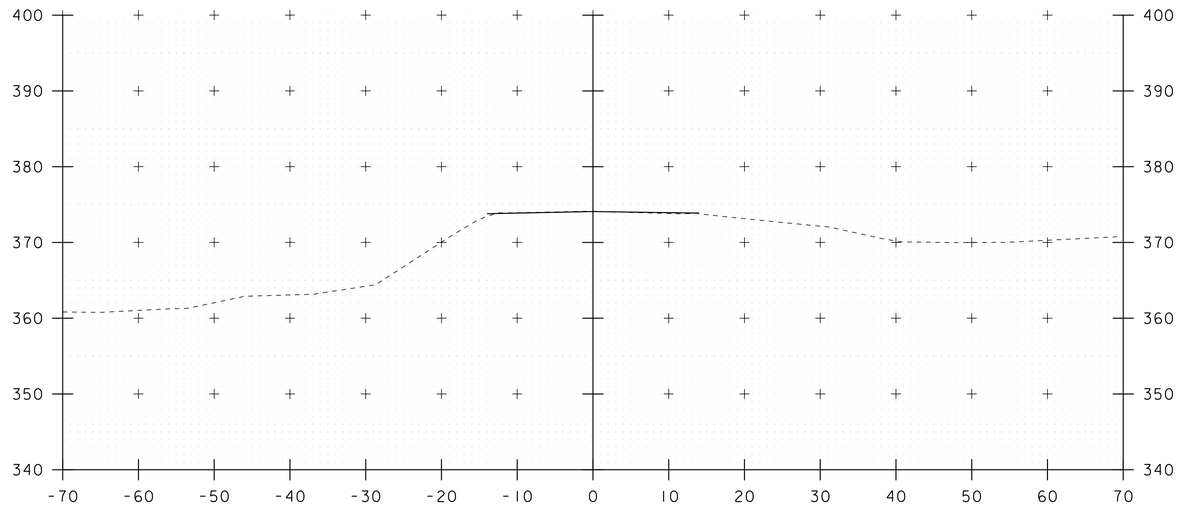
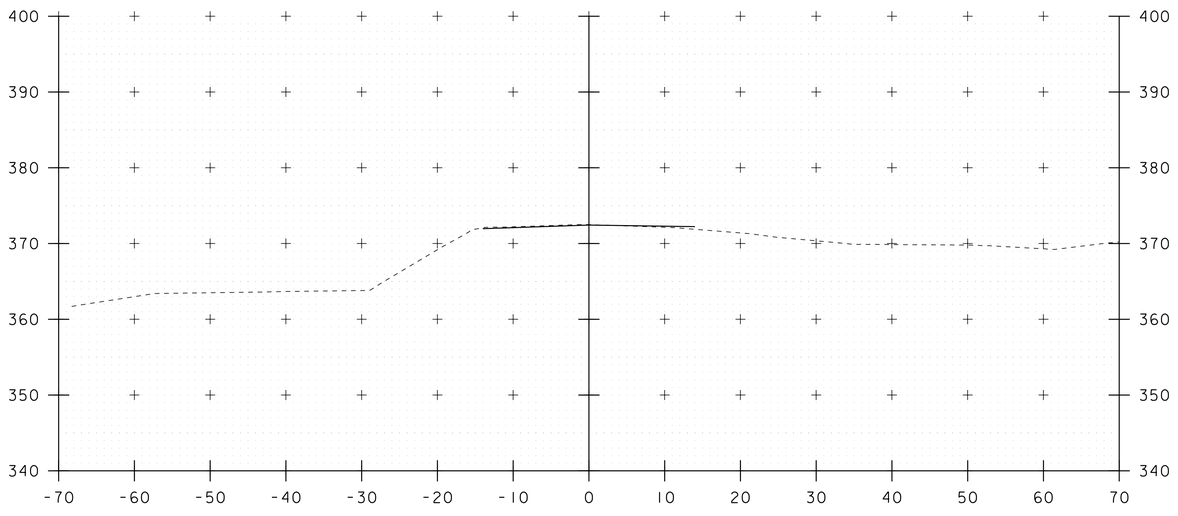
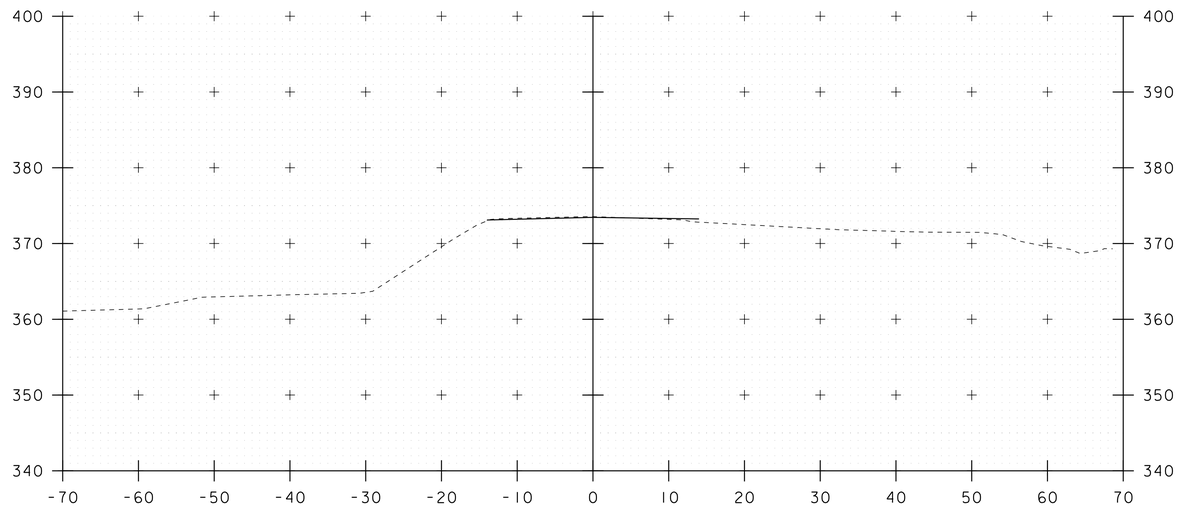


37+50



36+75



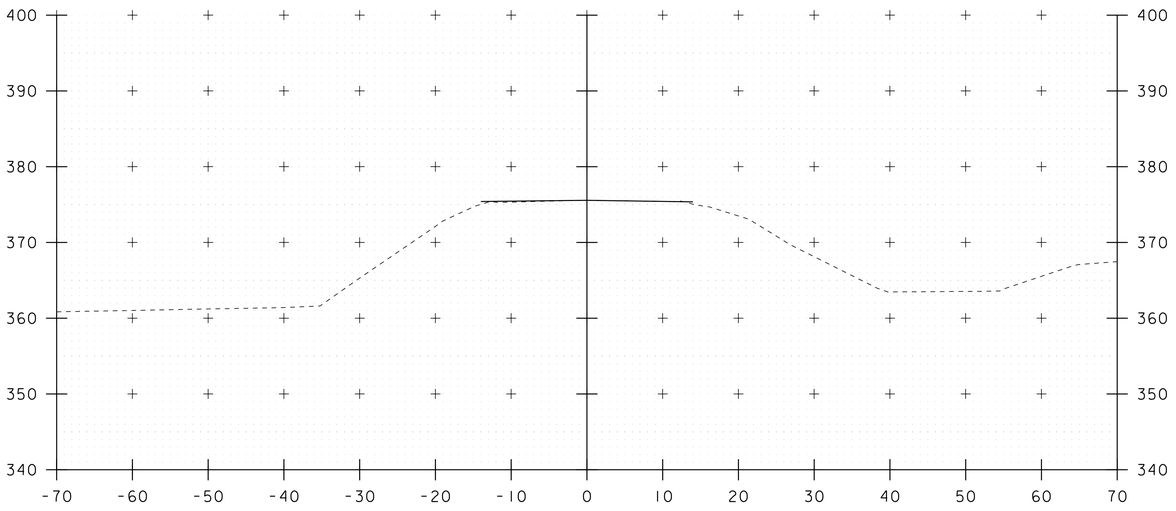
37+25

STA. 36+75 TO STA. 37+50

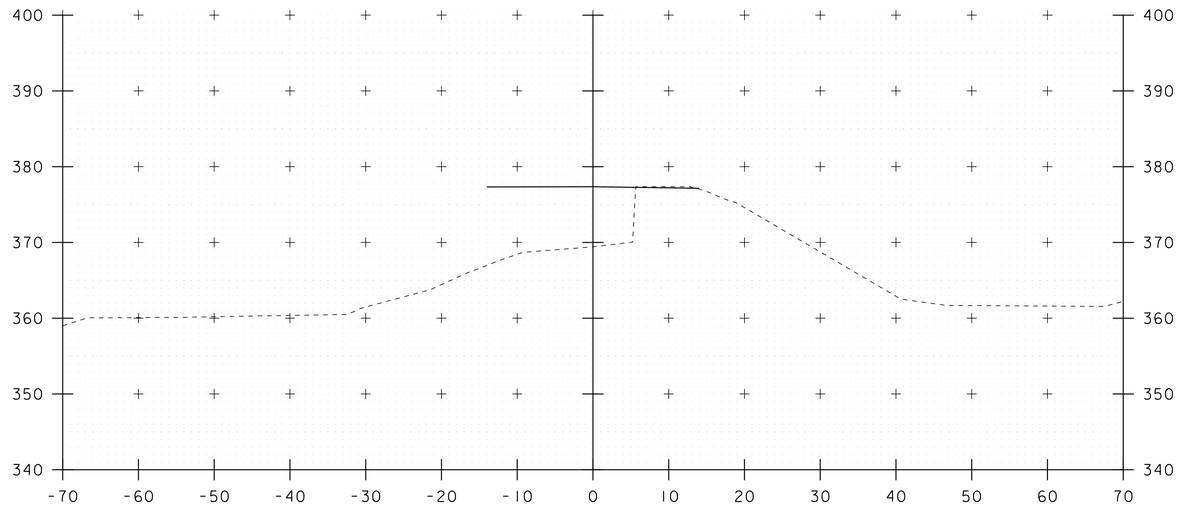
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 3

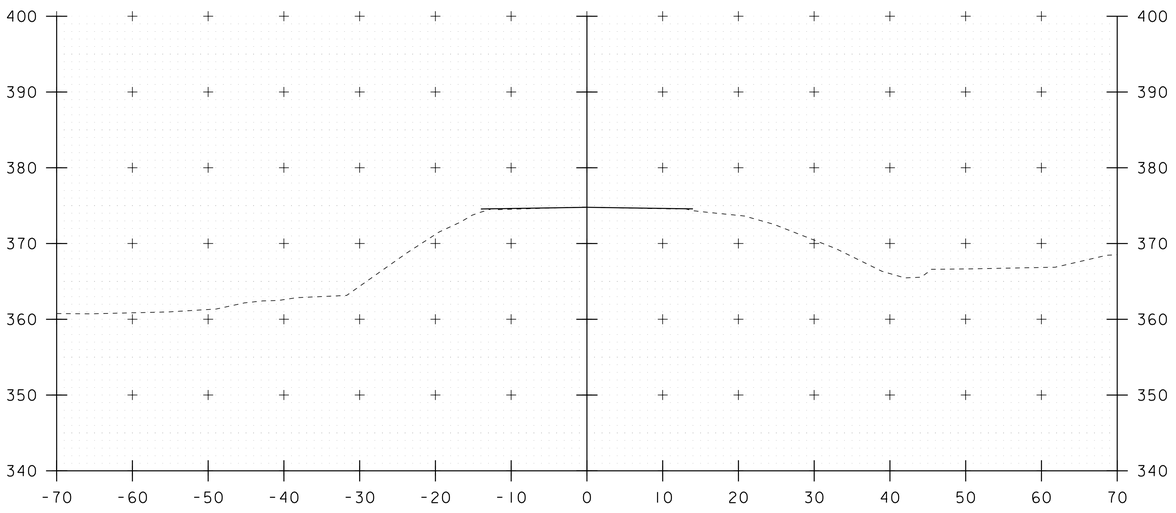
PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 10 OF 25



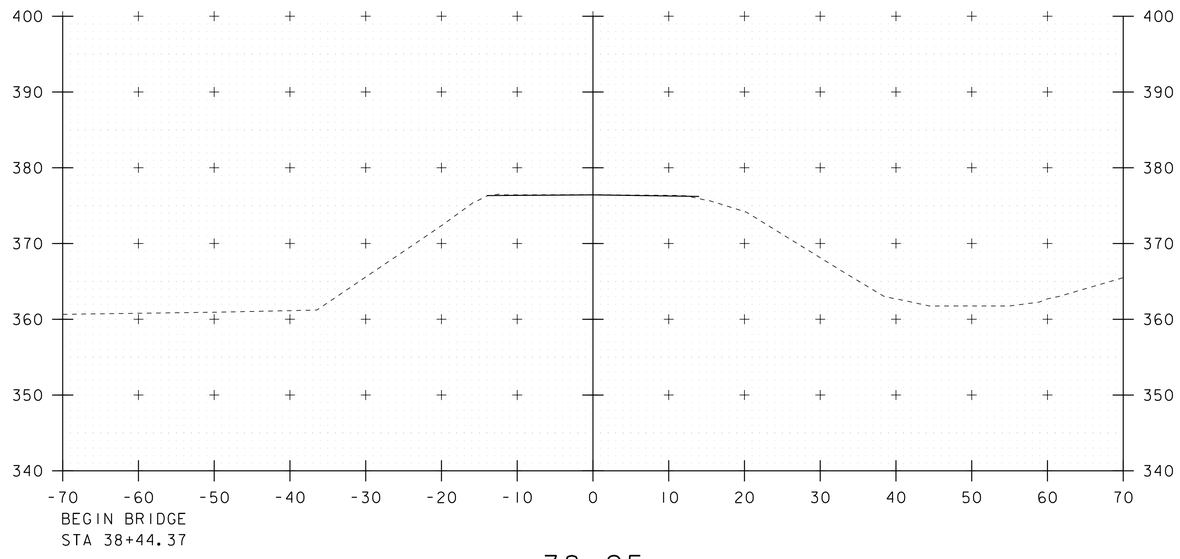
38+00



38+50



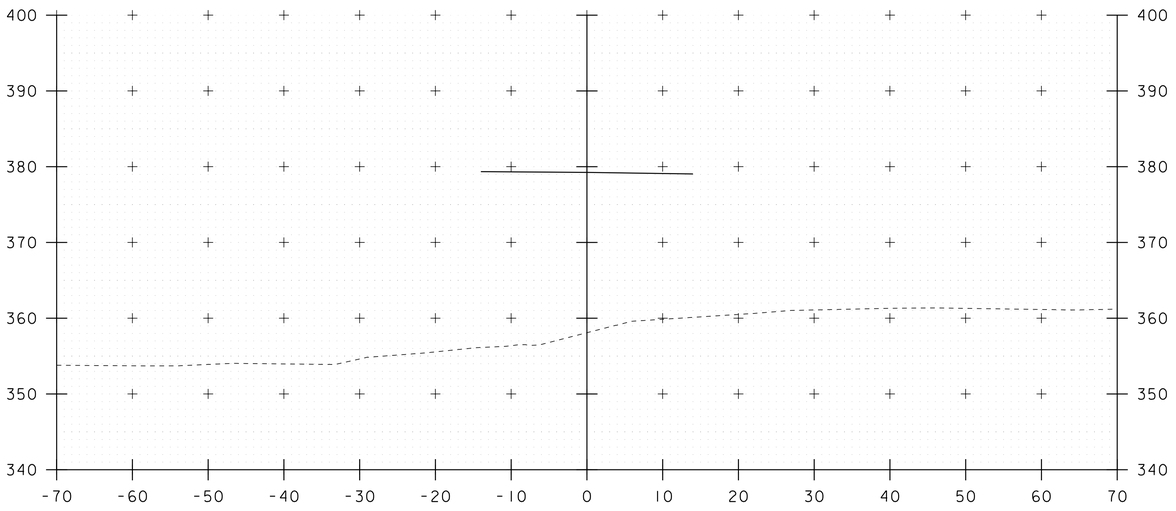
37+75



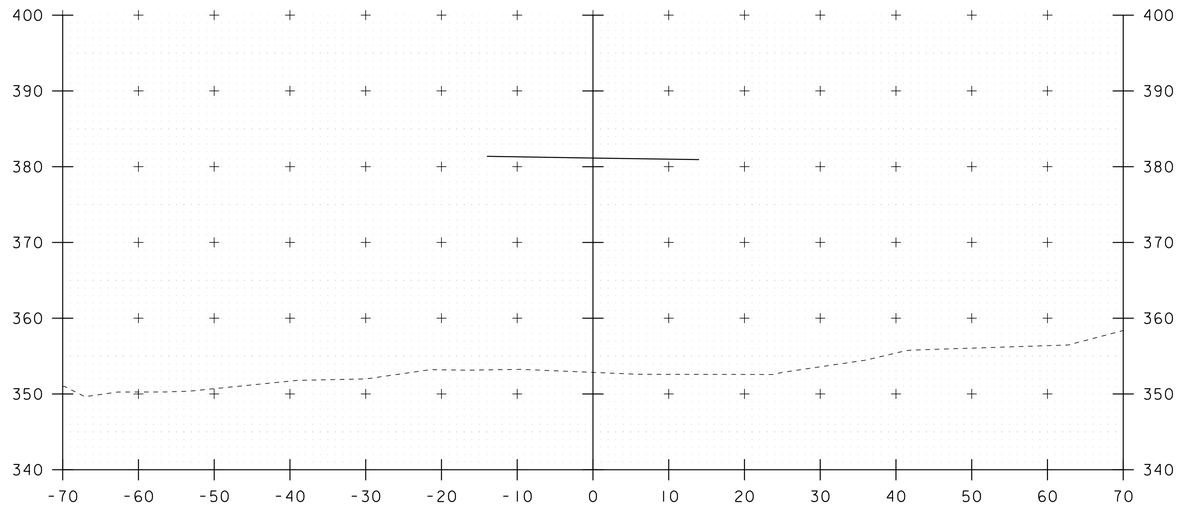
38+25

STA. 37+75 TO STA. 38+50

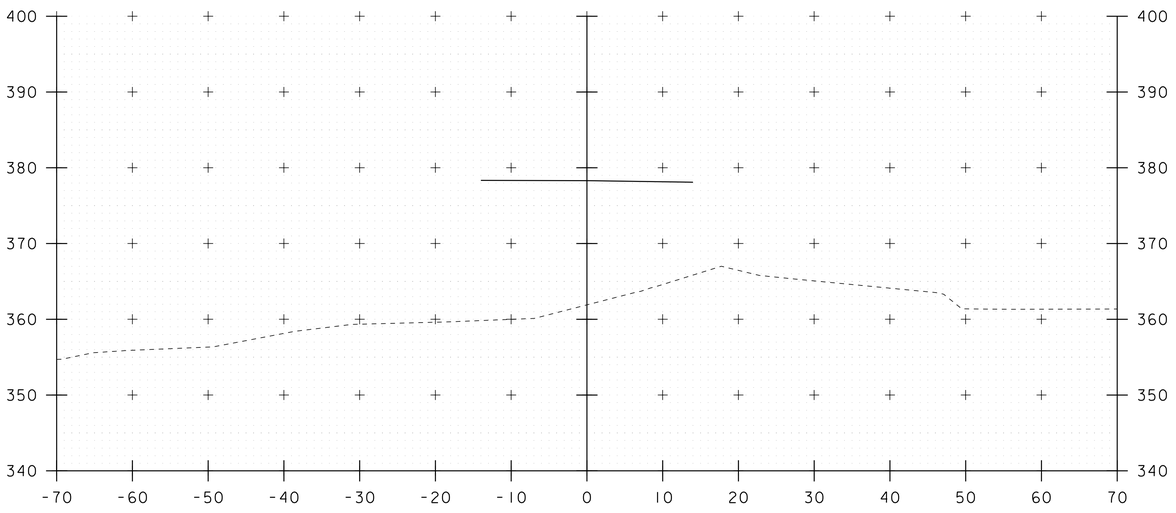
PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: I2J668/sI2J668xs.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 4	SHEET 11 OF 25



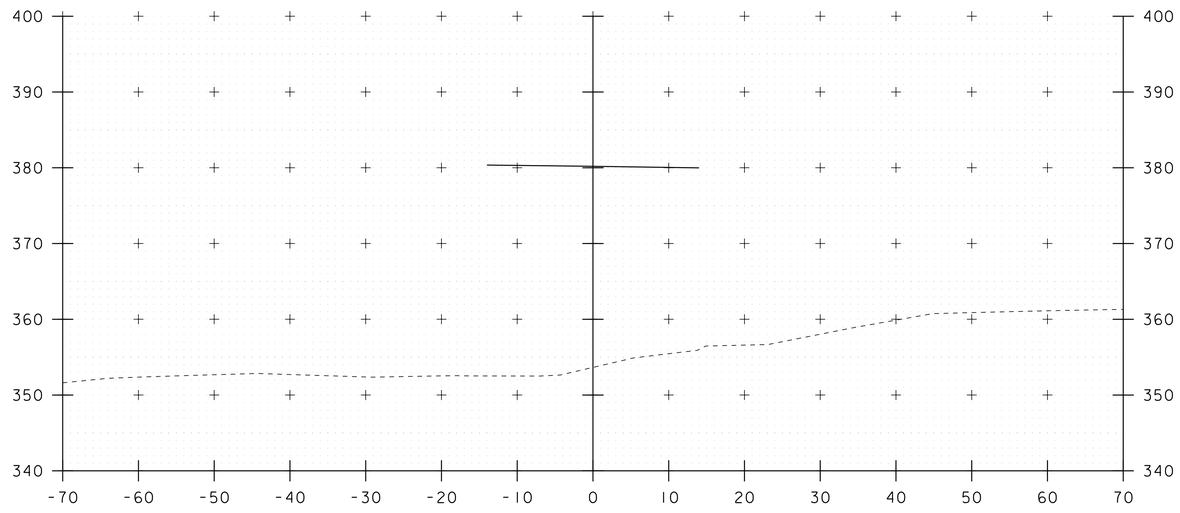
39+00



39+50



38+75



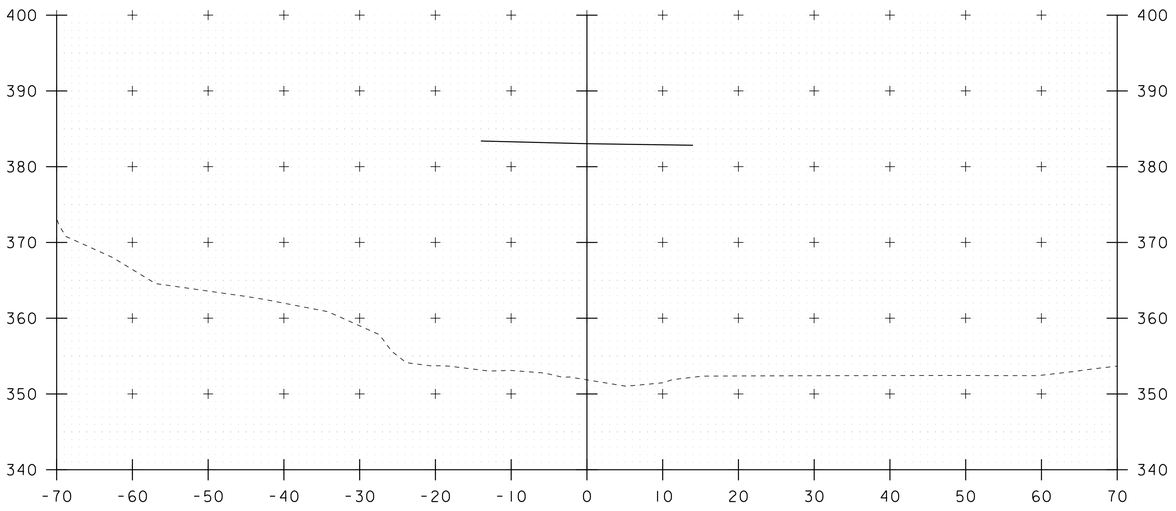
39+25

STA. 38+75 TO STA. 39+50

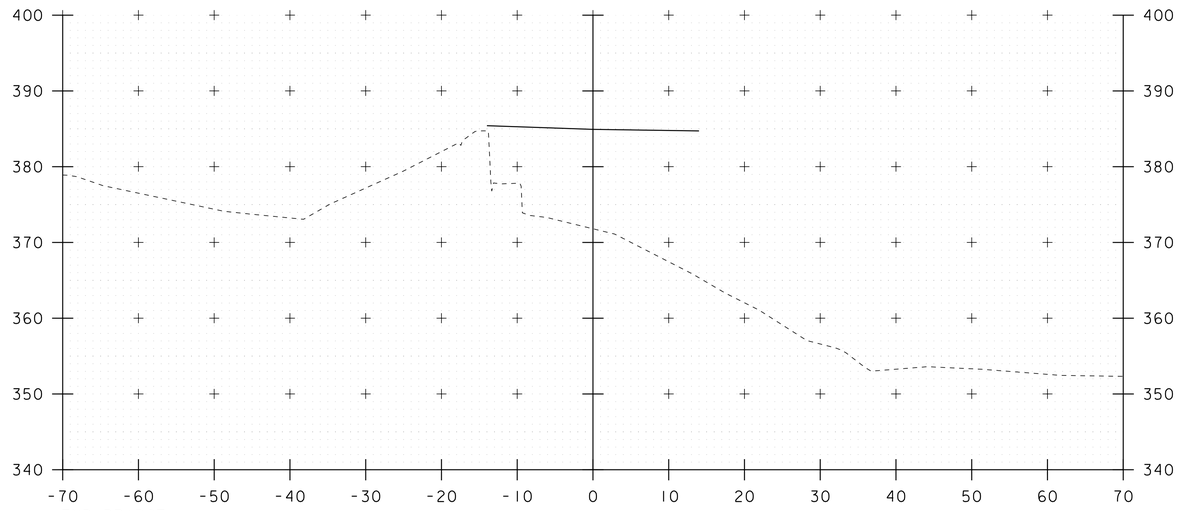
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 5

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 12 OF 25

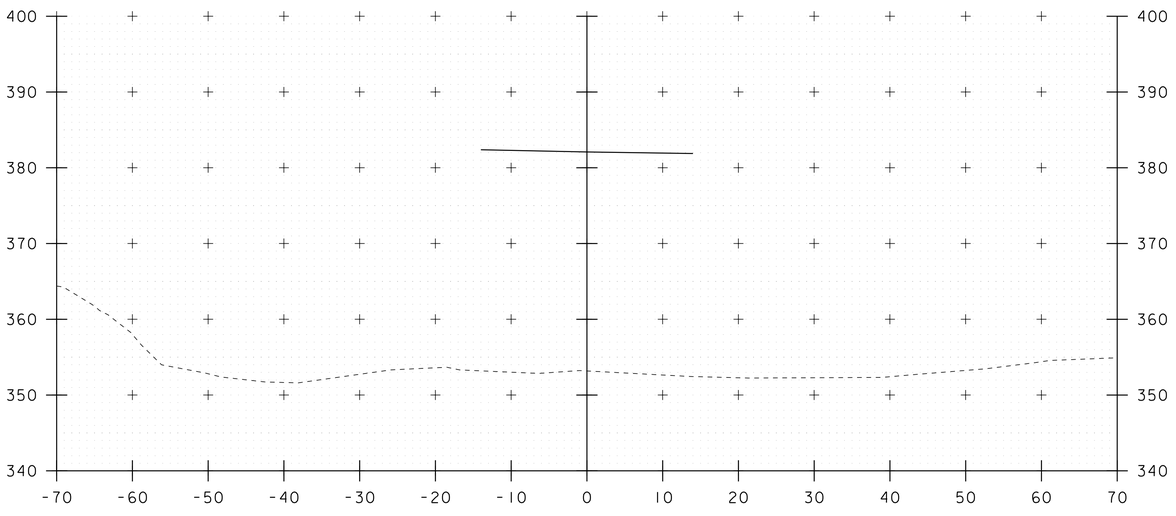


40+00

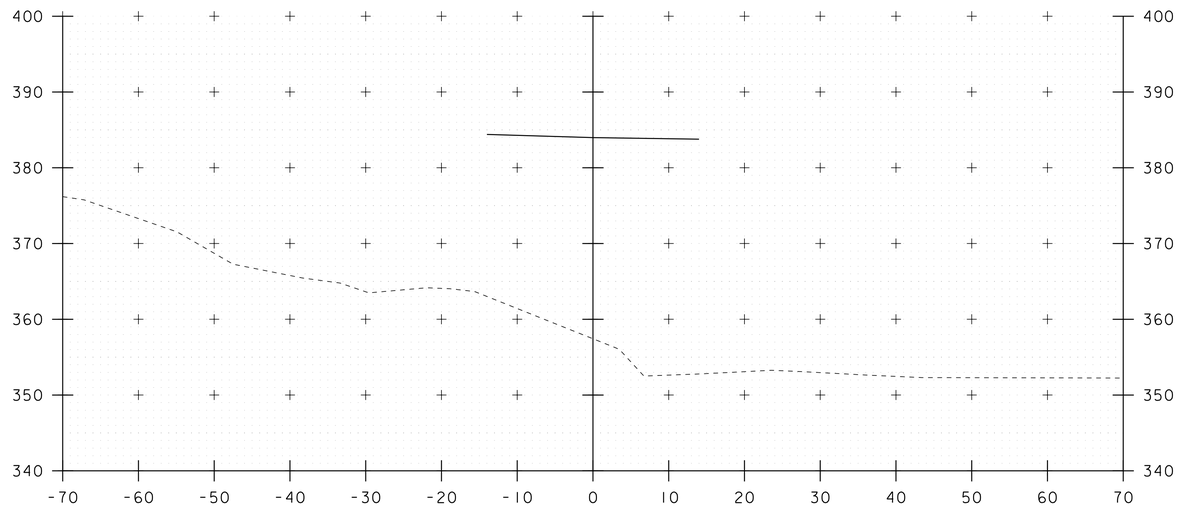


END BRIDGE
STA 40+62.98

40+50



39+75



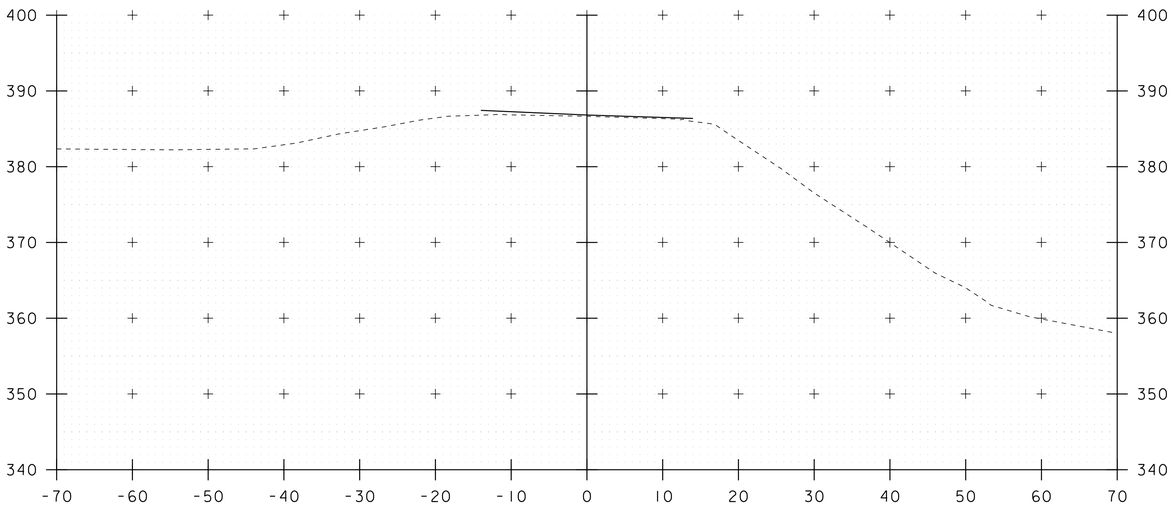
40+25

STA. 39+75 TO STA. 40+50

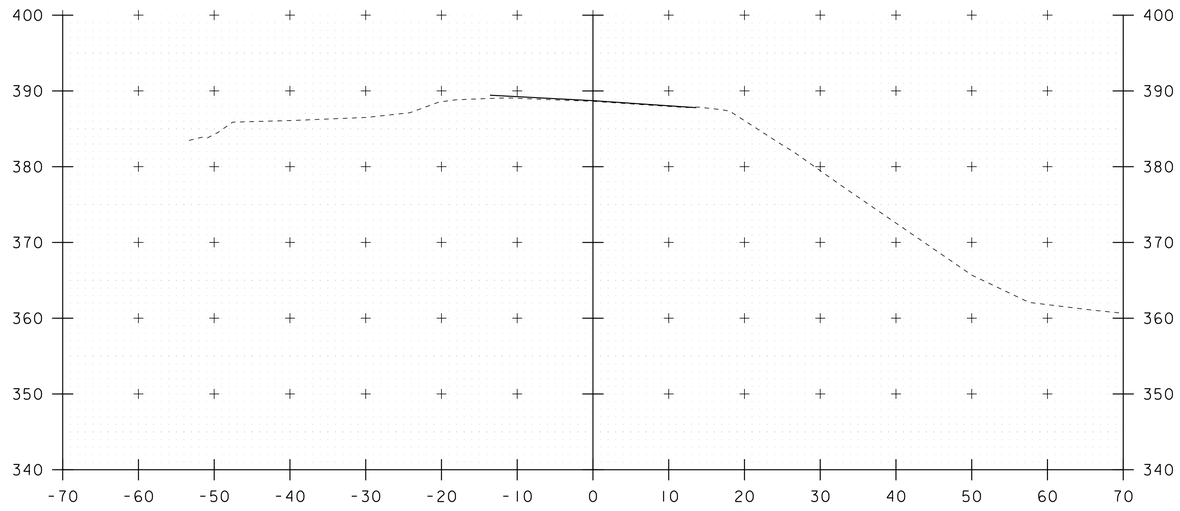
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 6

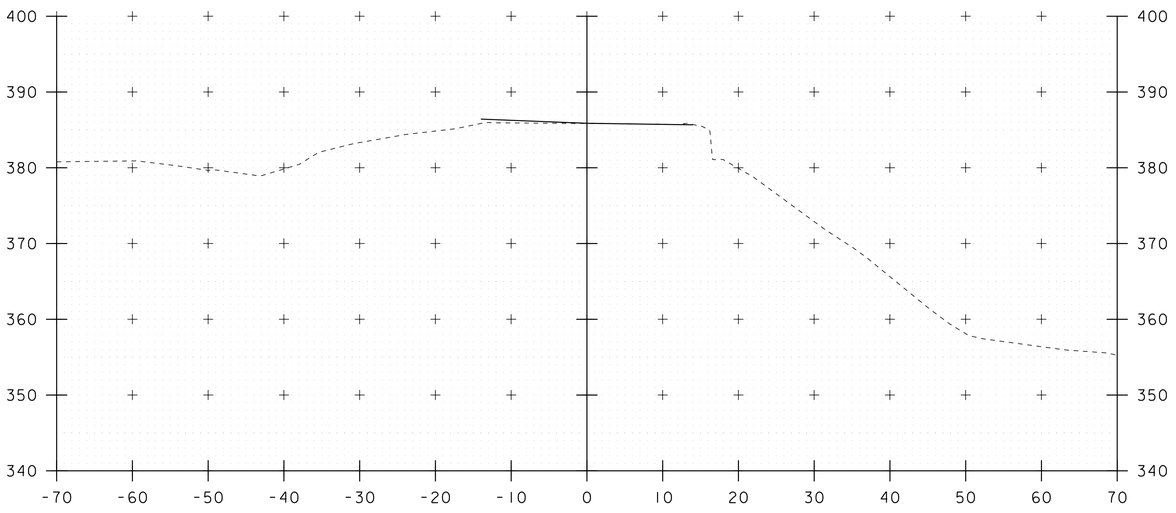
PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 13 OF 25



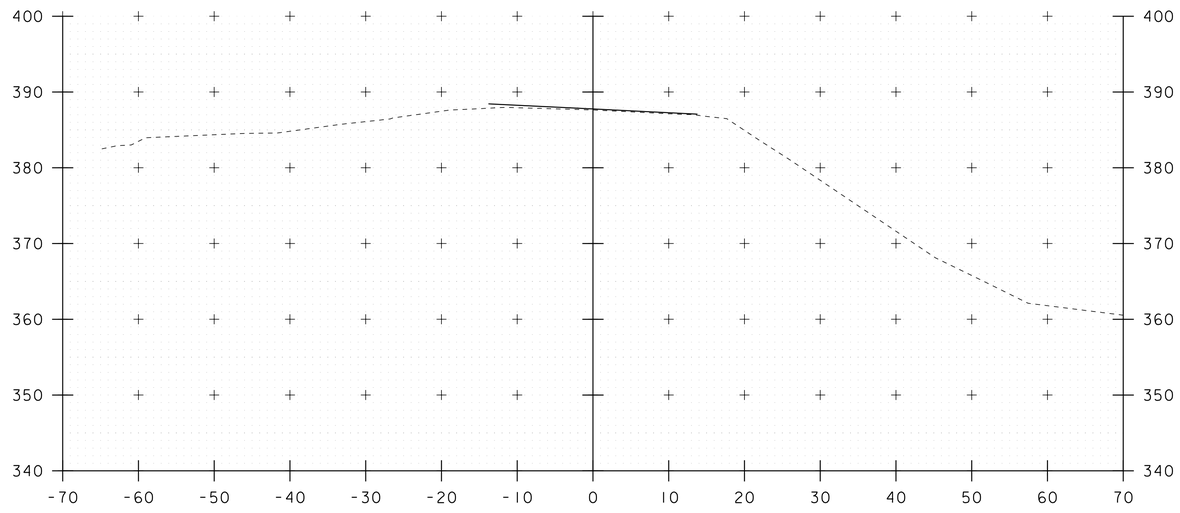
41+00



41+50



40+75



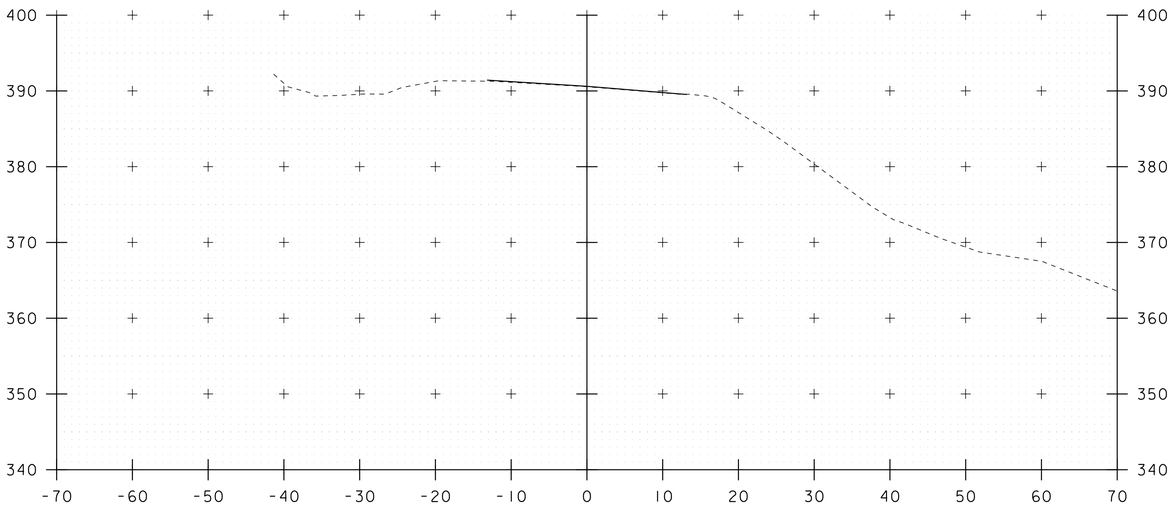
41+25

STA. 40+75 TO STA. 41+50

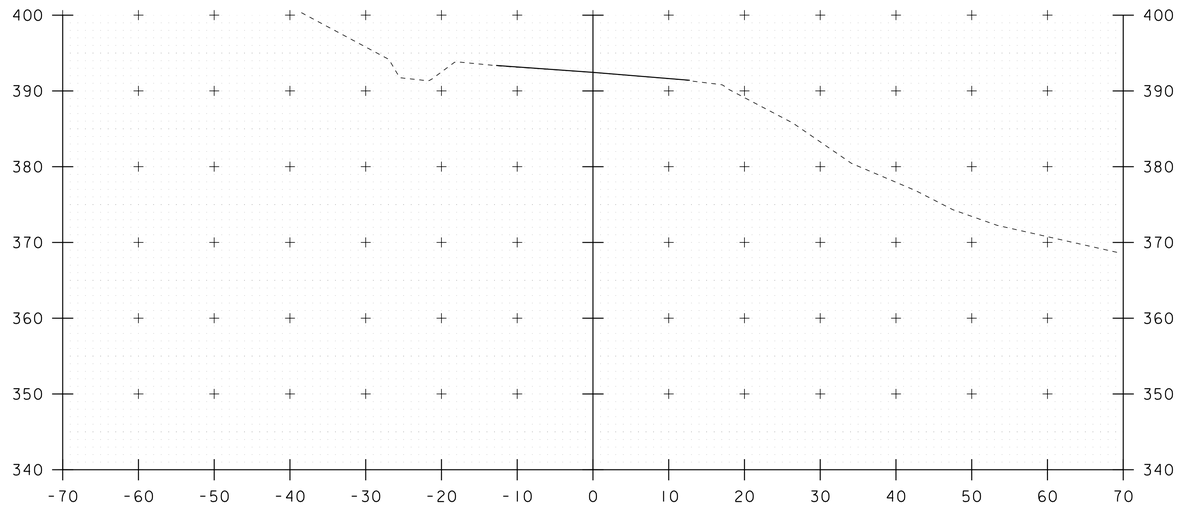
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 7

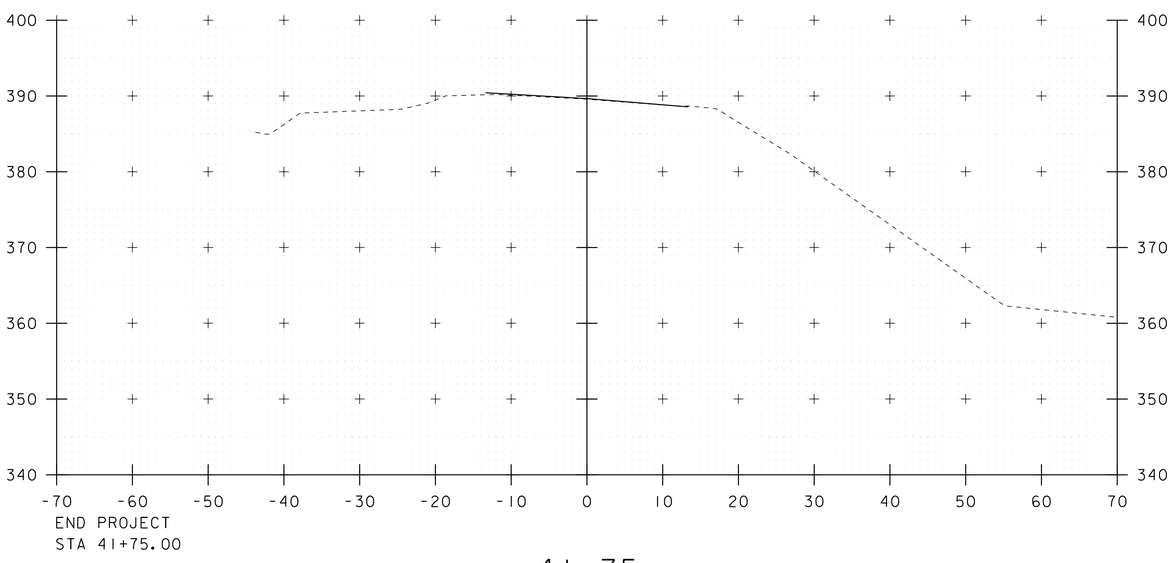
PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 14 OF 25



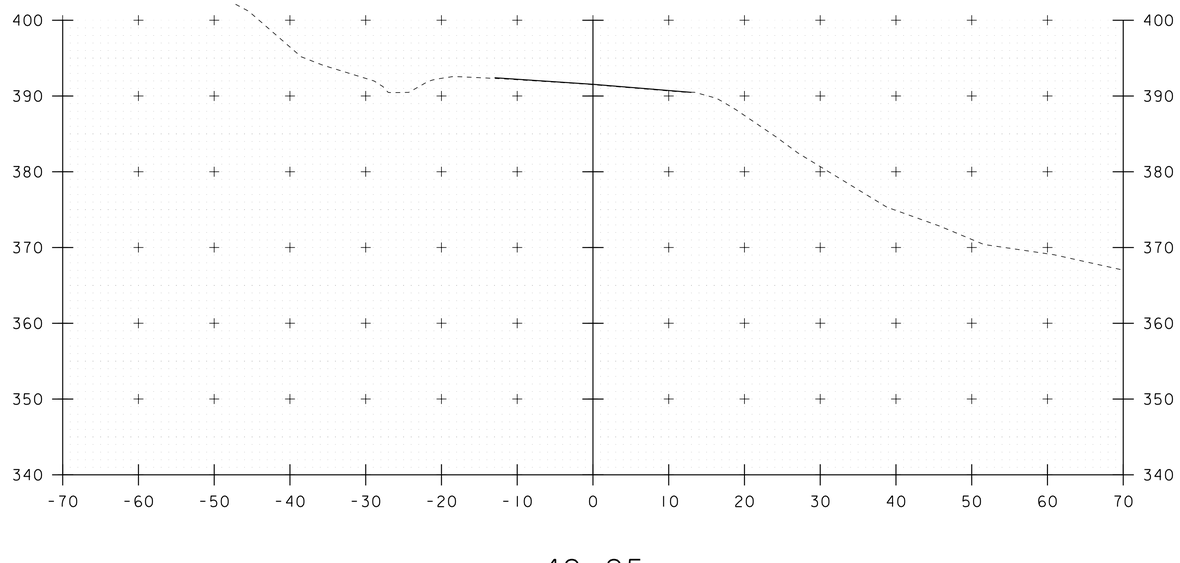
42+00



42+50



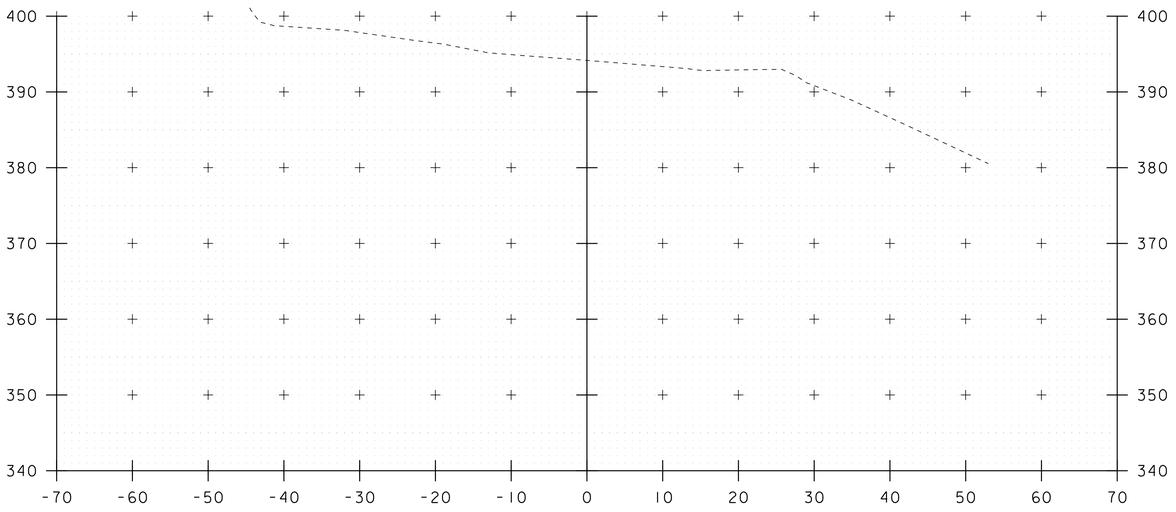
41+75



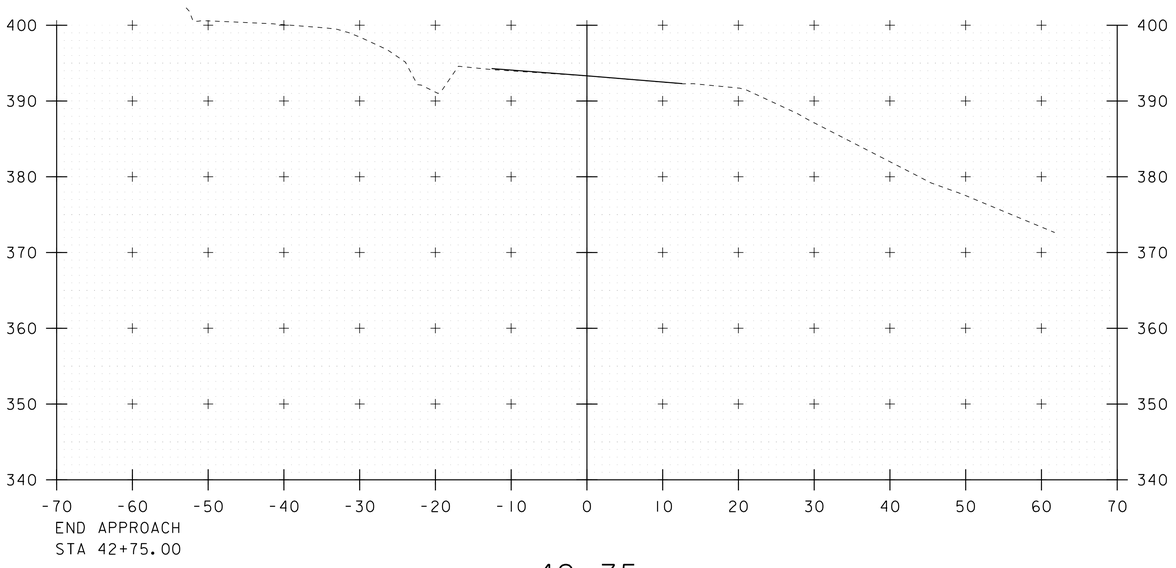
42+25

STA. 41+75 TO STA. 42+50

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/sl2j668xs.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 8	SHEET 15 OF 25



43+00



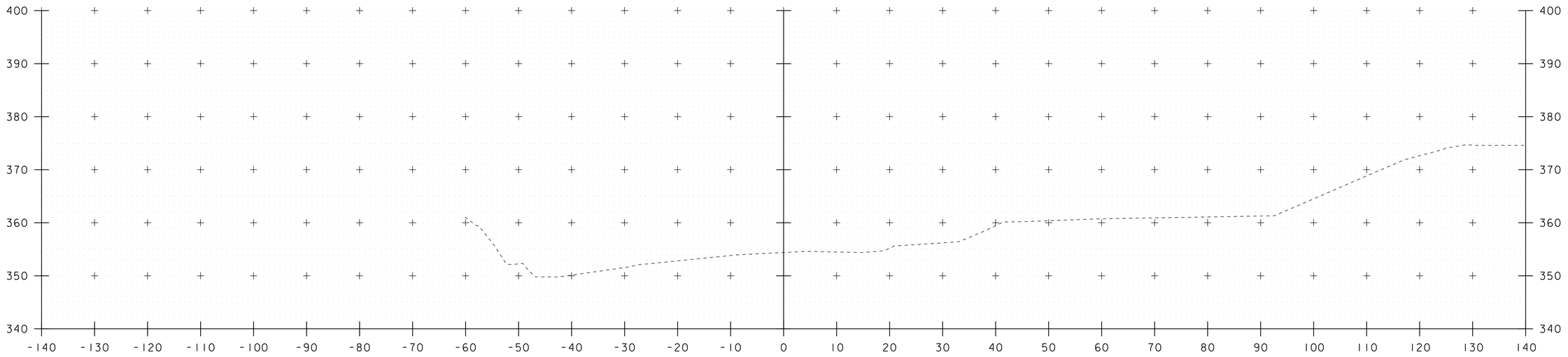
42+75

STA. 42+75 TO STA. 43+00

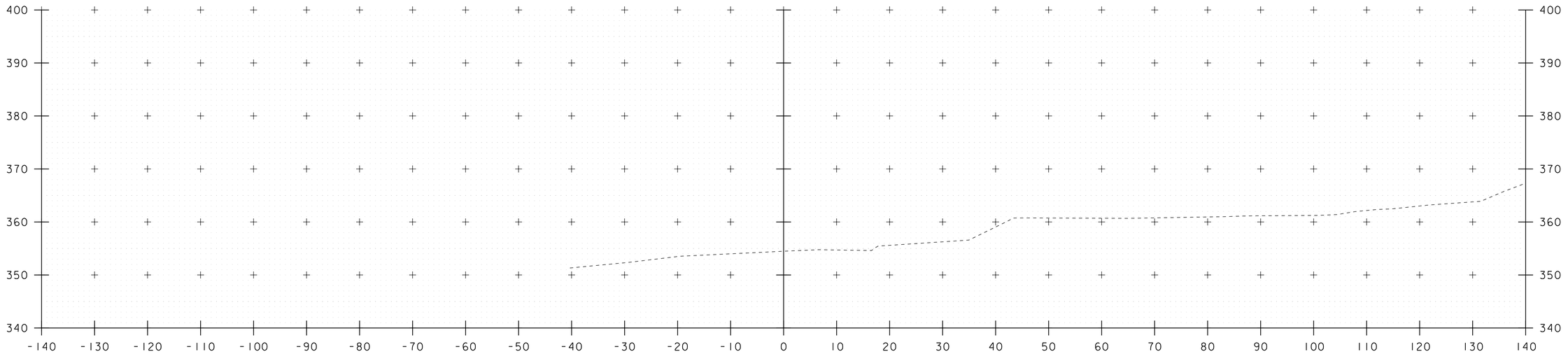
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
MAINLINE CROSS SECTIONS 9

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 16 OF 25



50+25



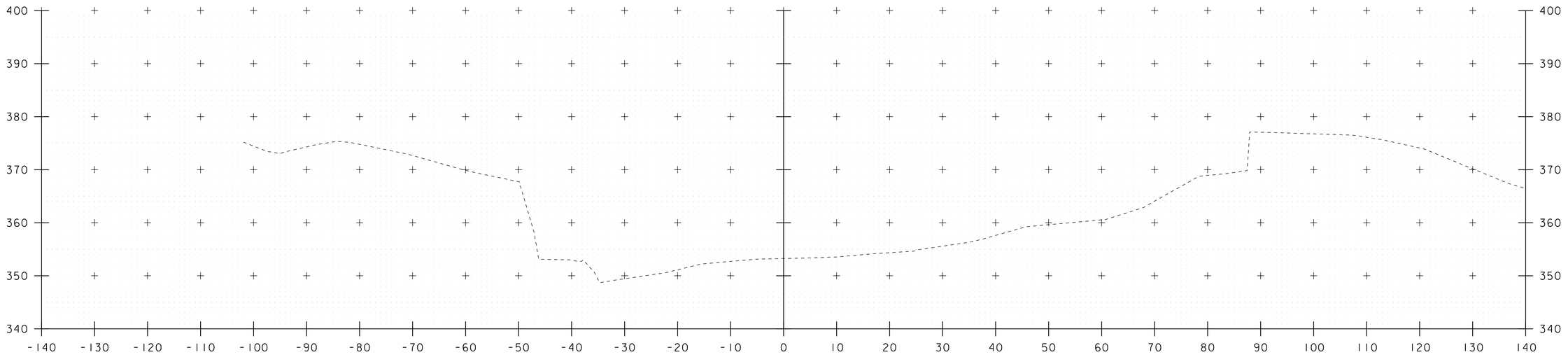
50+00

STA. 50+00 TO STA. 50+25

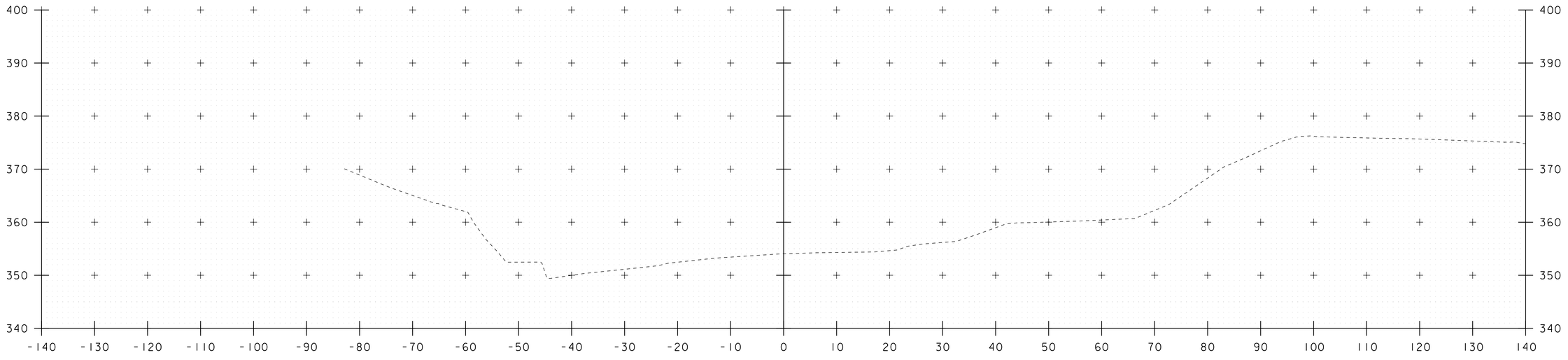
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 1

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 17 OF 25



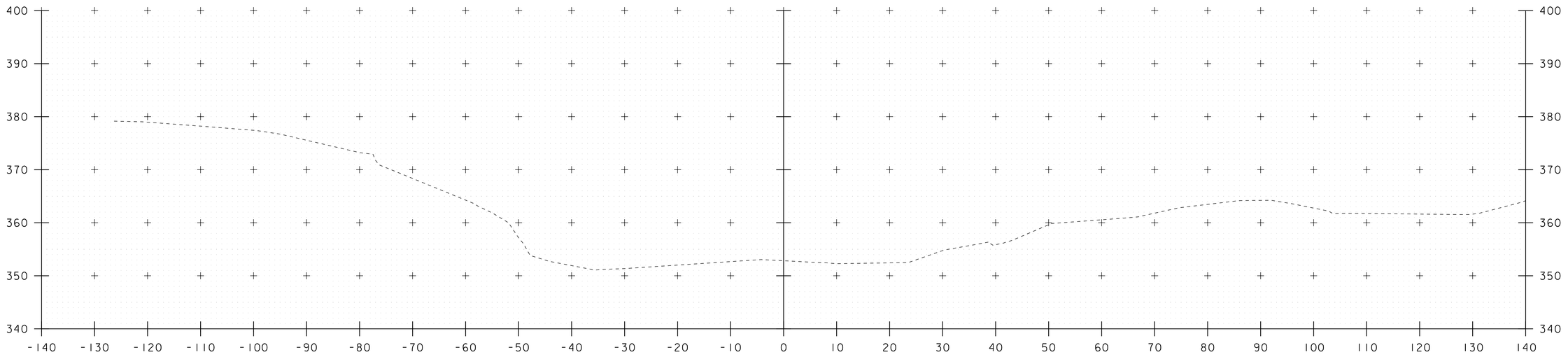
50+75



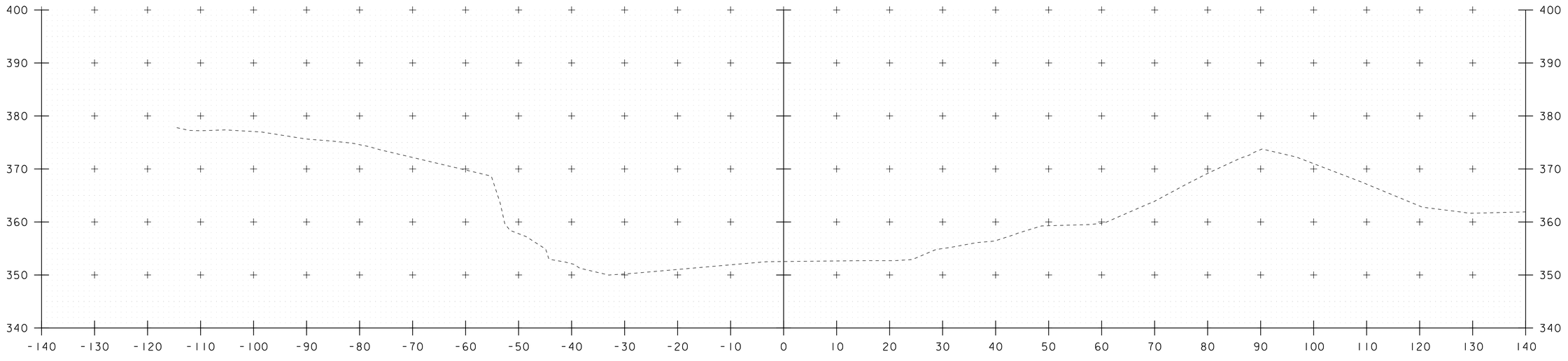
50+50

STA. 50+50 TO STA. 50+75

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/sl2j668xs.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 2	SHEET 18 OF 25



51+25

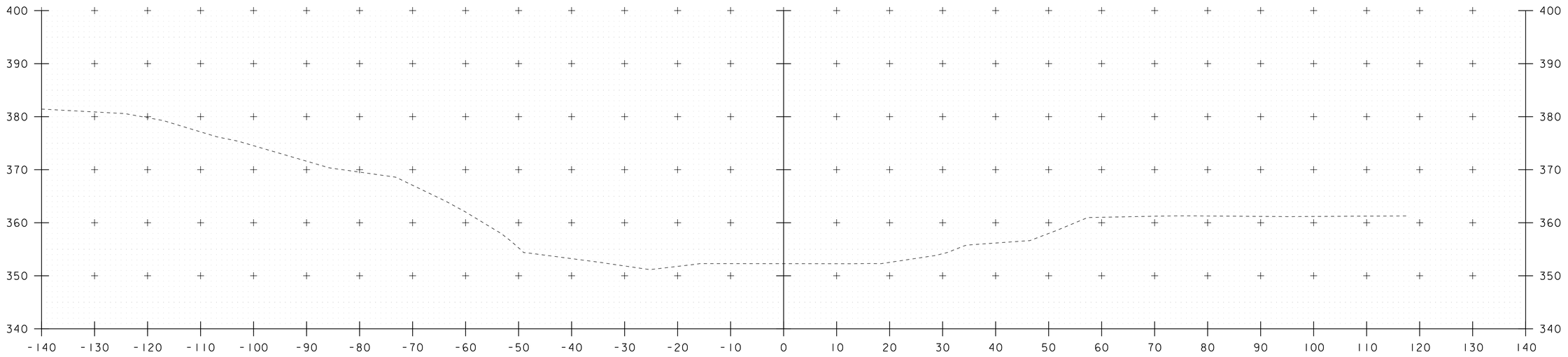


51+00

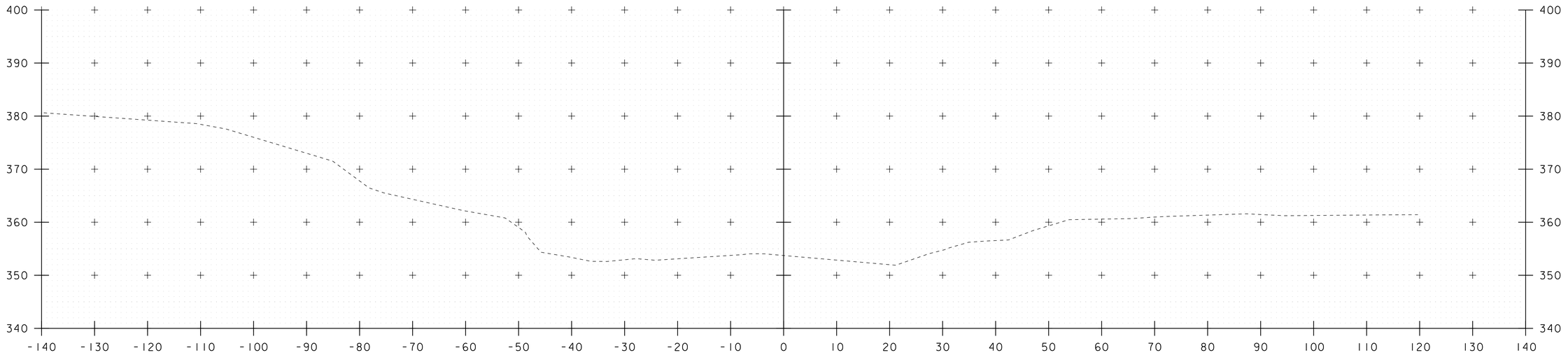
PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 3	SHEET 19 OF 25

STA. 51+00 TO STA. 51+25



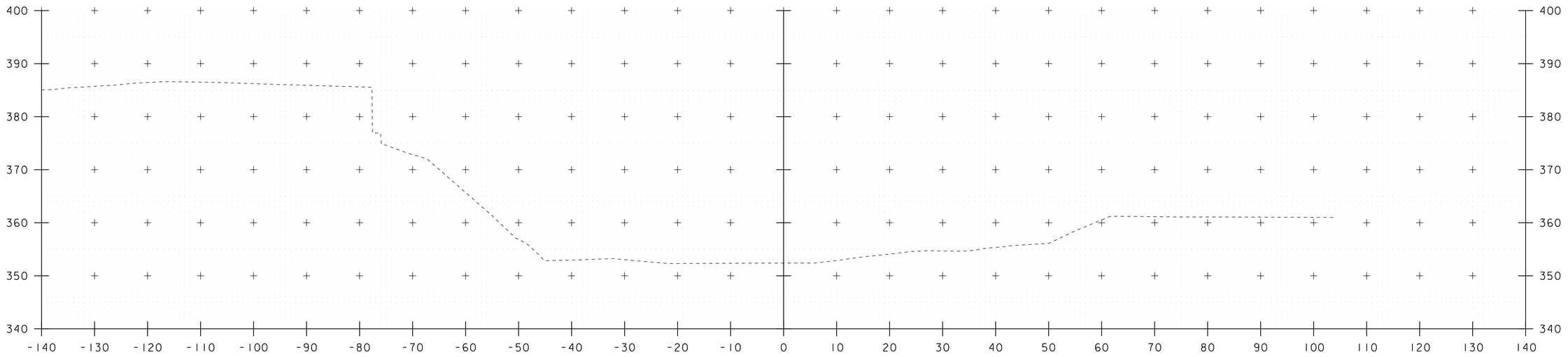
51+75



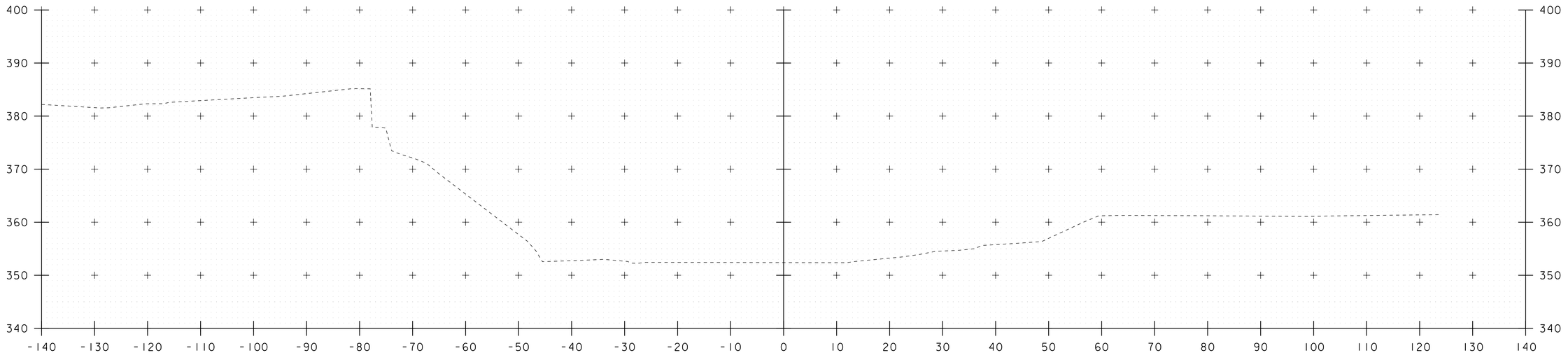
51+50

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/sl2j668xs.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 4	SHEET 20 OF 25

STA. 51+50 TO STA. 51+75



52+25



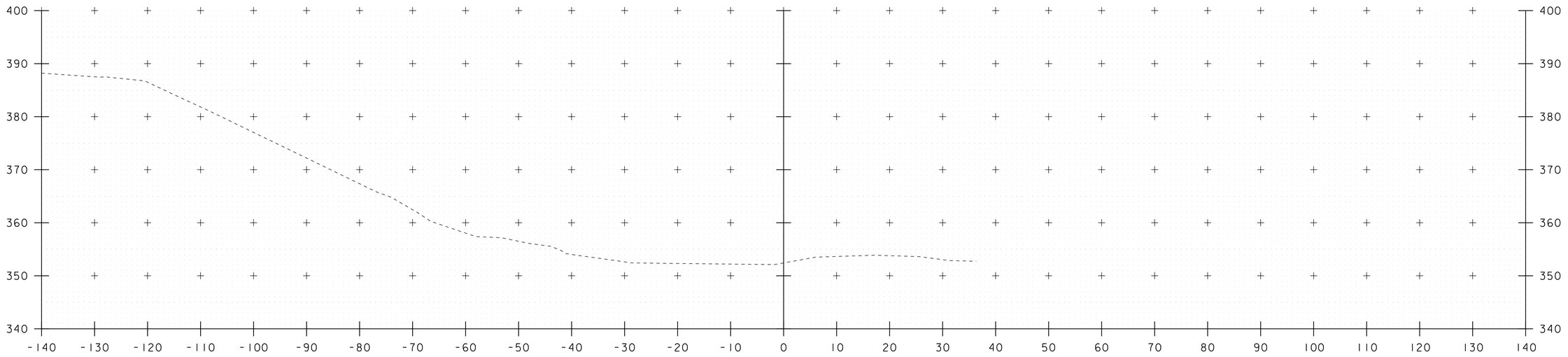
52+00

STA. 52+00 TO STA. 52+25

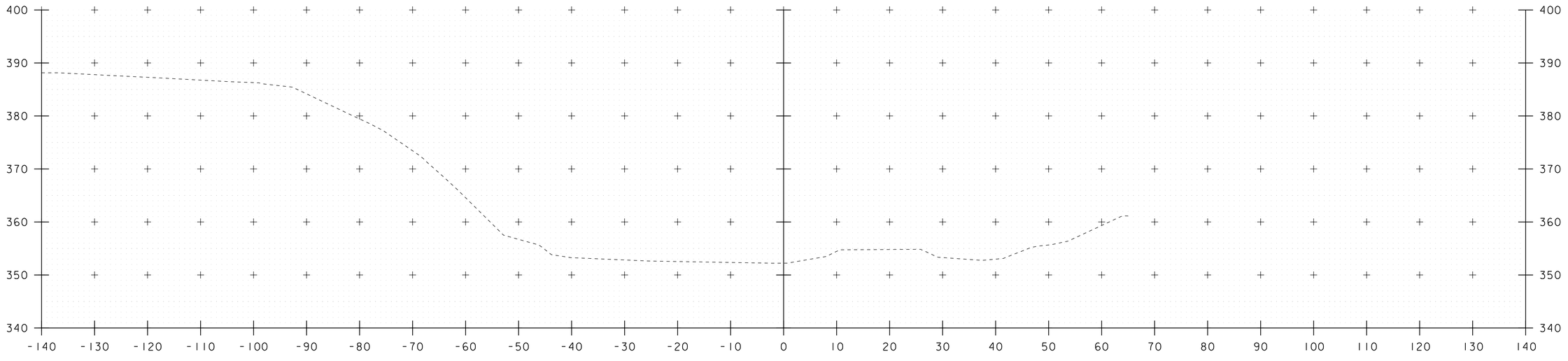
PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 5

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 21 OF 25



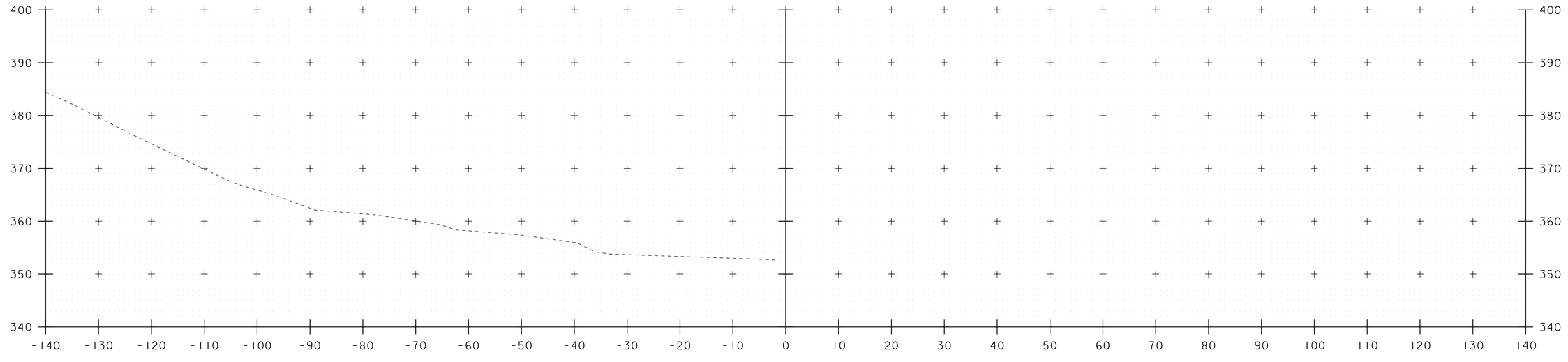
52+75



52+50

STA. 52+50 TO STA. 52+75

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/sl2j668xs.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 6	SHEET 22 OF 25



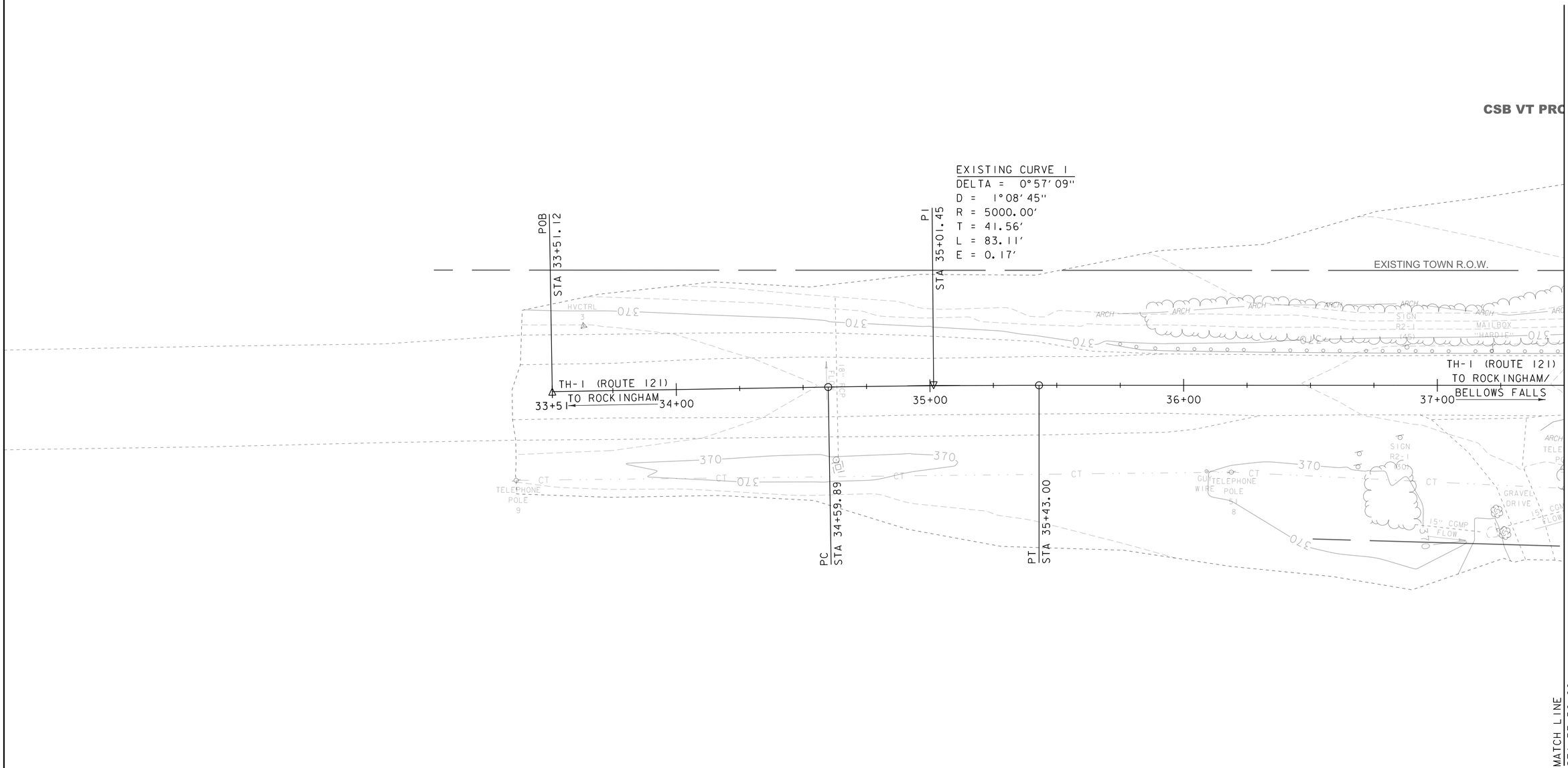
53+00

STA. 53+00 TO STA. 53+00

PROJECT NAME: WESTMINSTER
PROJECT NUMBER: BF 0126(13)

FILE NAME: 12j668/sl2j668xs.dgn
PROJECT LEADER: J.B.MCCARTHY
DESIGNED BY: J.B.MCCARTHY
CHANNEL CROSS SECTIONS 7

PLOT DATE: 20-FEB-2020
DRAWN BY: D.D.BEARD
CHECKED BY: J.B.MCCARTHY
SHEET 23 OF 25

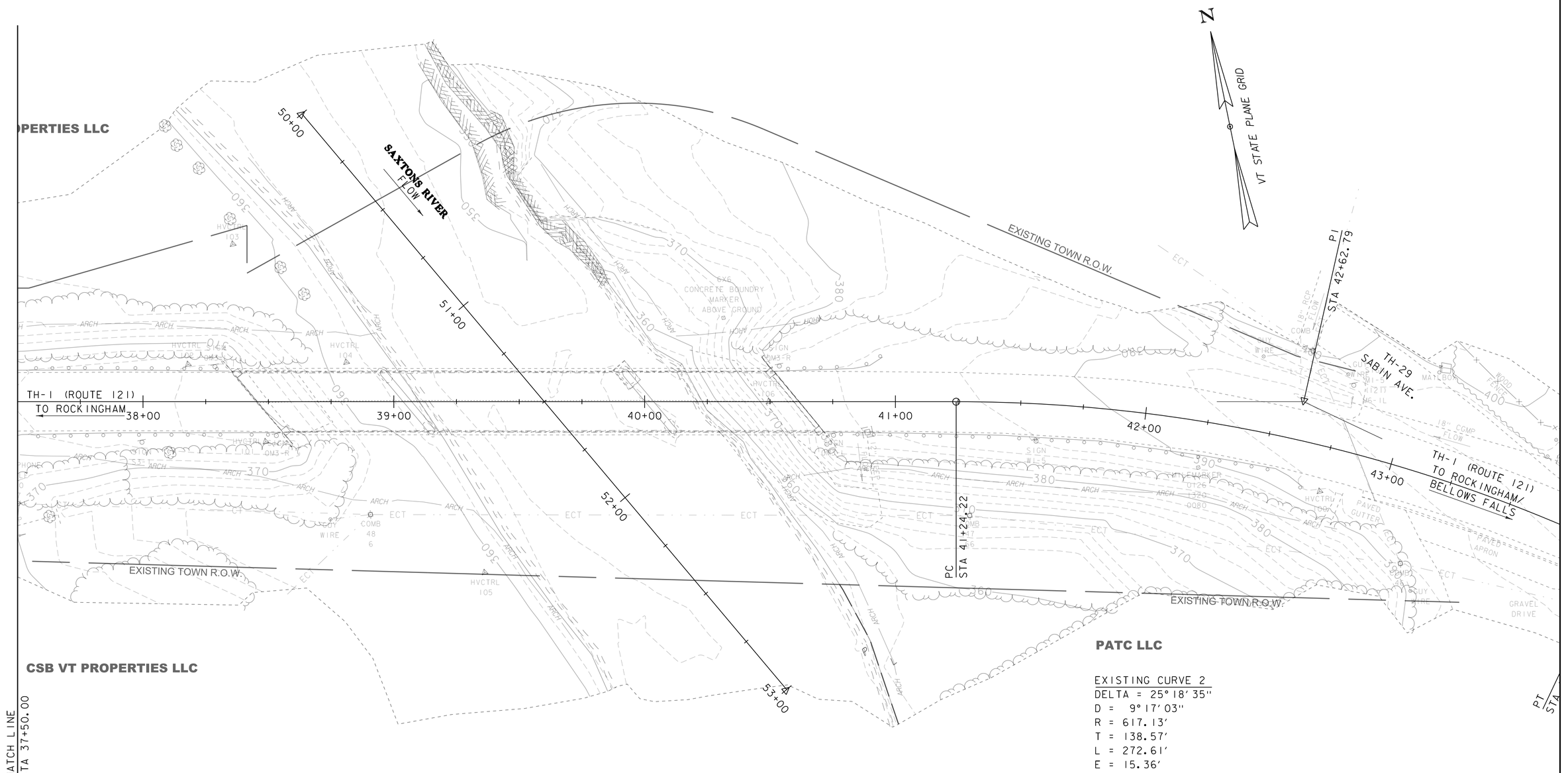


EXISTING CONDITIONS

SCALE 1" = 20'-0"

20 0 20

PROJECT NAME:	WESTMINSTER
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/s12j668border.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
EXISTING CONDITIONS SHEET 1	SHEET 24 OF 25



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
PROJECT NUMBER:	BF 0126(13)
FILE NAME: 12j668/sl2j668border.dgn	PLOT DATE: 20-FEB-2020
PROJECT LEADER: J.B.MCCARTHY	DRAWN BY: D.D.BEARD
DESIGNED BY: J.B.MCCARTHY	CHECKED BY: J.B.MCCARTHY
EXISTING CONDITIONS SHEET 2	SHEET 25 OF 25