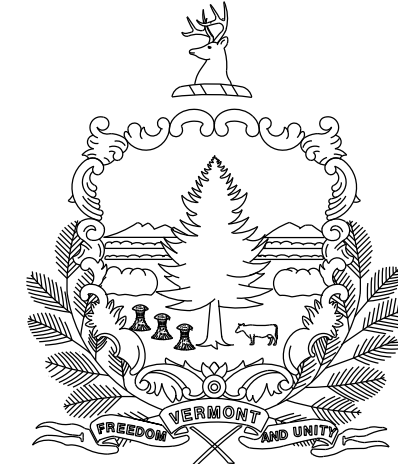


REVIEWER NOTES:

1. THE BRIDGE WILL BE CLOSED FOR A FOUR WEEK PERIOD. THE TOWN OF POULTNEY IS RESPONSIBLE FOR SIGNING A DETOUR ROUTE IF DESIRED.
2. IT IS ANTICIPATED THAT CHANNEL RIGHTS WILL BE NECESSARY FOR THIS PROJECT. THE EXTENT OF RIGHTS REQUIRED WILL NOT BE KNOWN UNTIL FINAL DESIGN.
3. SIMPLIFIED PAVEMENT DESIGN HAS BEEN DONE FOR THIS PROJECT.
4. 3 PHASE AERIAL ELECTRIC TRANSMISSION LINES AND COMMUNICATION CABLES ARE ADJACENT TO THE BRIDGE. AERIAL ELECTRIC AND TELEPHONE SERVICE LINES CROSS TH 2 APPROXIMATELY 30' WEST OF THE EXISTING BRIDGE.

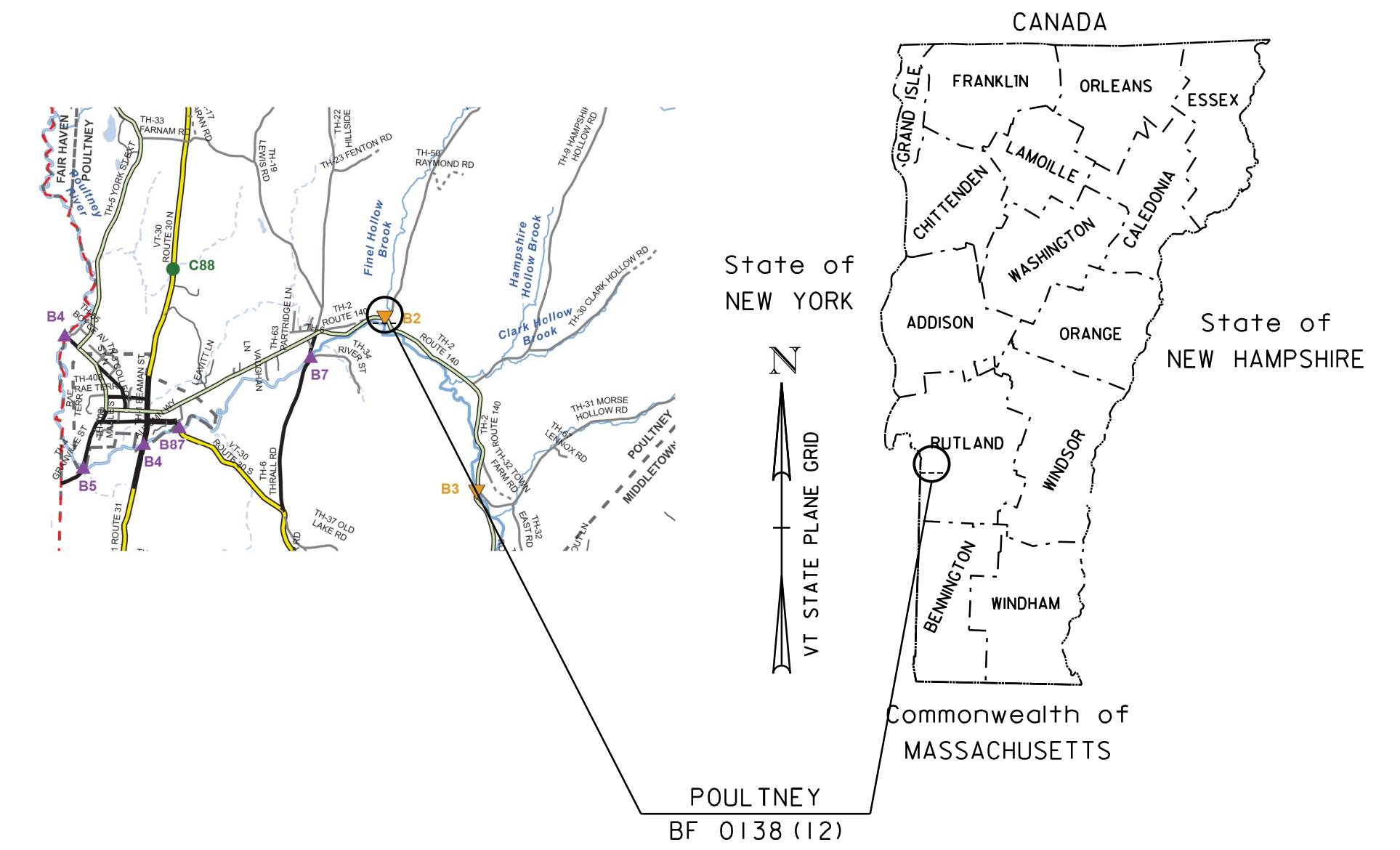
ALL OF THESE UTILITIES WILL NEED TO BE CONSIDERED FOR RELOCATION OR REMOVAL.

# STATE OF VERMONT AGENCY OF TRANSPORTATION



## PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF POULTNEY  
COUNTY OF RUTLAND

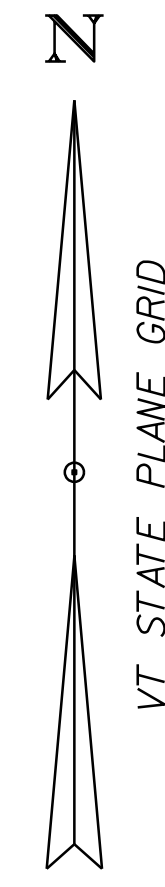
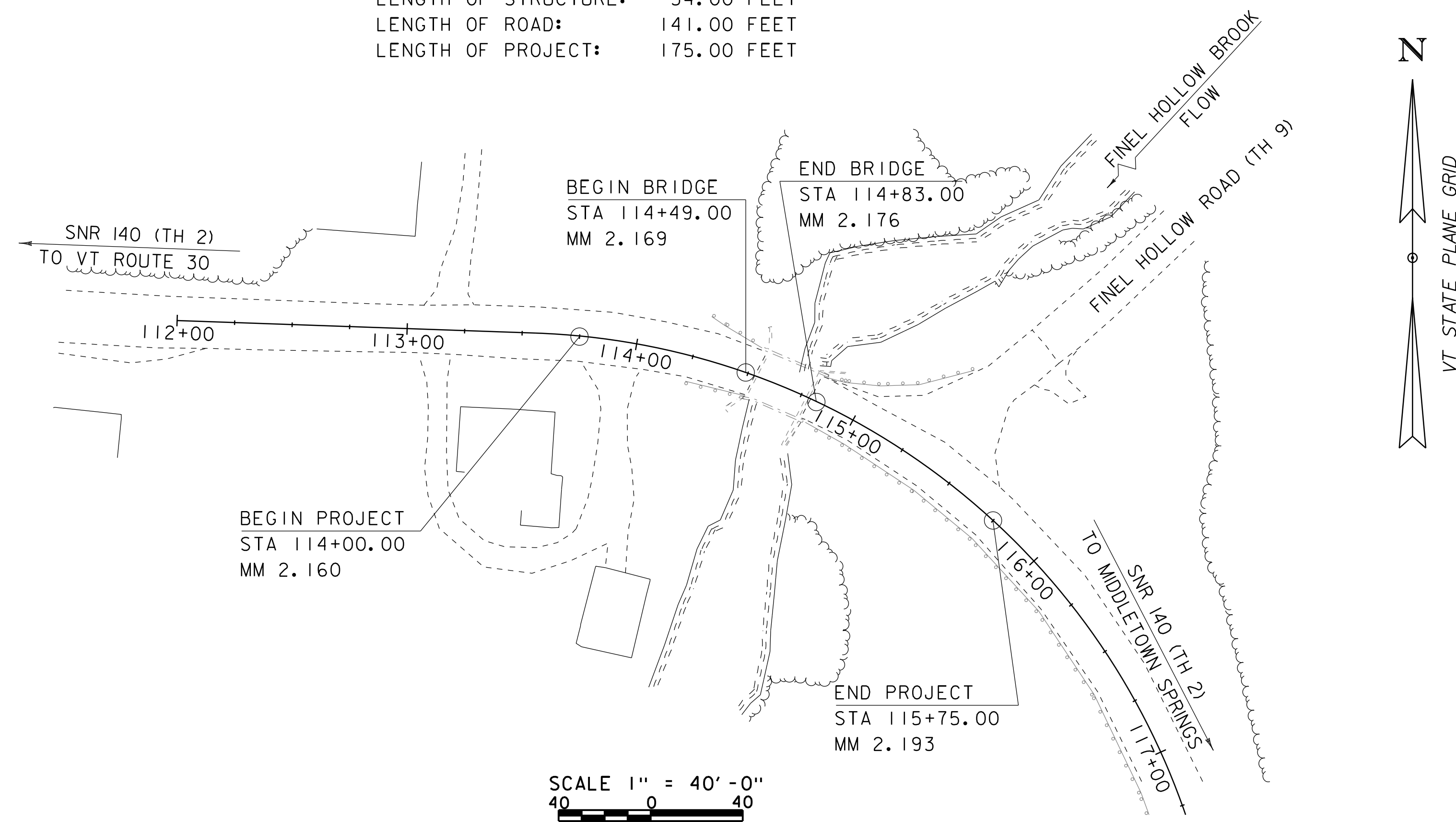


ROUTE NO : SNR 140/TH 2 (CLASS 2) , MAJOR COLLECTOR BRIDGE NO : BR 2

PROJECT LOCATION: ON SNR 140 APPROXIMATELY 2.2 MILES EAST OF THE JUNCTION WITH VT ROUTE 30 (OVER FINEL BROOK).

PROJECT DESCRIPTION: REPLACEMENT OF EXISTING BRIDGE WITH A NEW PRECAST CONCRETE STRUCTURE.

LENGTH OF STRUCTURE: 34.00 FEET  
 LENGTH OF ROAD: 141.00 FEET  
 LENGTH OF PROJECT: 175.00 FEET



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

CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 2011, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JULY 20, 2011 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 :	L. ORVIS
SURVEYED DATE :	5-19-2014
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 1983 (2011)

### CONCEPTUAL PLANS 14-DEC-2015

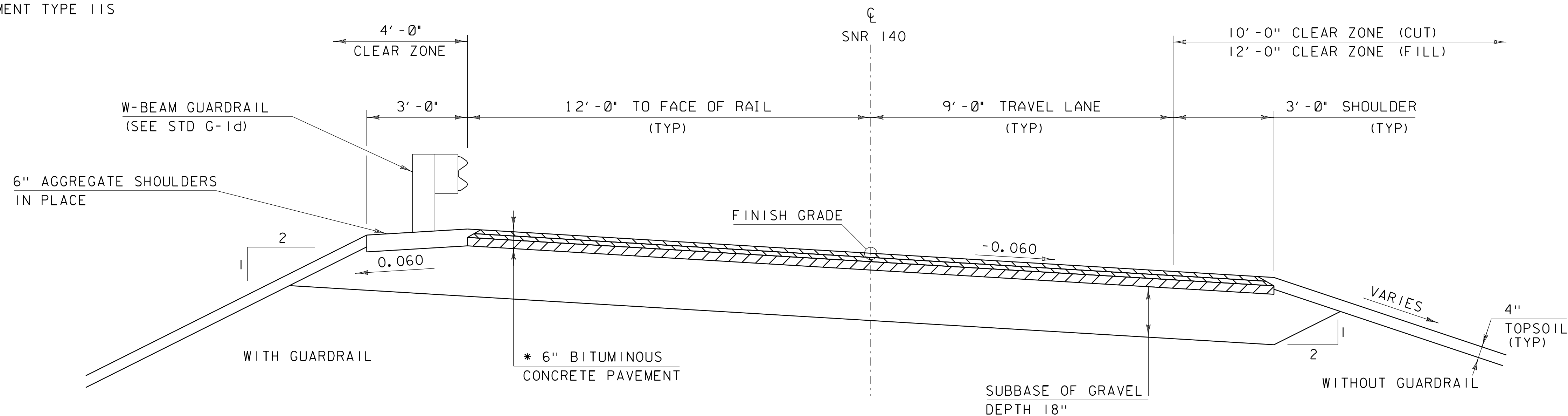
DIRECTOR OF PROJECT DELIVERY	
APPROVED _____	DATE _____
PROJECT MANAGER : ROB YOUNG, P.E.	
PROJECT NAME :	POULTNEY
PROJECT NUMBER :	BF 0138 (12)
SHEET 1 OF 20 SHEETS	

# PRELIMINARY INFORMATION SHEET (BRIDGE)

LRFD

INDEX OF SHEETS						FINAL HYDRAULIC REPORT							
<b>PLAN SHEETS</b>						<b>STANDARDS LIST</b>							
1	TITLE SHEET					G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICALS)				11-10-2015		
2	PRELIMINARY INFORMATION SHEET					G-1D	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)				02-10-2014		
3	TYPICAL SECTIONS 1												
4	TYPICAL SECTIONS 2												
5	LEGEND												
6	EXISTING CONDITIONS												
7	ALIGNMENT SHEET												
8	LAYOUT SHEET												
9	RAIL LAYOUT SHEET												
10	MAINLINE PROFILE												
11 - 14	ROADWAY CROSS SECTION												
15 - 18	CHANNEL CROSS SECTION												
19 - 20	TH 9 CROSS SECTION												
<b>STRUCTURES DETAIL SHEETS</b>													
SD-502.00 CONCRETE DETAILS AND NOTES						5/7/2010							
<b>TRAFFIC DATA</b>													
YEAR	ADT	DHV	% D	% T	ADTT	20 year ESAL for flexible pavement from 2017 to 2037 : 421000							
2017	1400	160	56	3.7	85	40 year ESAL for flexible pavement from 2017 to 2057 : 908000							
2037	1400	160	56	5.1	120	Design Speed : 35 mph							
<b>AS BUILT "REBAR" DETAIL</b>													
LEVEL I				LEVEL II				LEVEL III					
TYPE:				TYPE:				TYPE:					
GRADE:				GRADE:				GRADE:					
<b>LRFR LOAD RATING FACTORS</b>													
<b>TRUCK</b>													
LOADING LEVELS	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:													
<b>TRAFFIC MAINTENANCE NOTES</b>													
1. MAINTAIN TRAFFIC ON AN OFF SITE DETOUR. 2. TRAFFIC SIGNALS ARE NOT NECESSARY. 3. SIDEWALKS ARE NOT NECESSARY													
<b>DESIGN VALUES</b>													
1. DESIGN LIVE LOAD											HL-93		
2. FUTURE PAVEMENT											$d_p$ : 3.0 INCH		
3. DESIGN SPAN											$L$ : 32.00 FT		
4. MIN. MID-SPAN POS. CAMBER @ RELEASE (PRESTRESSED UNITS)											$\Delta$ : ---		
5. PRESTRESSING STRAND (0.60 INCH DIAMETER - LOW RELAX)											$f_y$ : 270 KSI		
6. PRESTRESSED CONCRETE STRENGTH											$f'_c$ : 6.0 KSI		
7. PRESTRESSED CONCRETE RELEASE STRENGTH											$f'_{cr}$ : 5.0 KSI		
8. CONCRETE, HIGH PERFORMANCE CLASS AA											$f'_c$ : 4.0 KSI		
9. CONCRETE, HIGH PERFORMANCE CLASS A											$f'_c$ : 4.0 KSI		
10. CONCRETE, HIGH PERFORMANCE CLASS B											$f'_c$ : 3.5 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)											$\phi$ : ---		
16. NOMINAL BEARING RESISTANCE OF ROCK											$q_n$ : 10.0 KSF		
17. ROCK BEARING RESISTANCE FACTOR (REFER TO AASHTO LRFD)											$\phi$ : ---		
18. PILE RESISTANCE FACTOR											$\phi$ : ---		
19. LATERAL PILE DEFLECTION											$\Delta$ : ---		
20. BASIC WIND SPEED											$V_{3s}$ : ---		
21. MINIMUM GROUND SNOW LOAD											$p_g$ : ---		
22. SEISMIC DATA	$PGA$ : 0										$S_s$ : ---		
											$S_1$ : ---		
23.													
24.													
25.													
26.													
<b>PROJECT INFORMATION</b>													
PROJECT NAME: <b>POULTNEY</b>													
PROJECT NUMBER: <b>BF 0138(12)</b>													
FILE NAME: <b>s13j276pi.dgn</b> PLOT DATE: 11/24/2015													
PROJECT LEADER: <b>R. YOUNG</b> DRAWN BY: <b>T. MATTHEWS</b>													
DESIGNED BY: <b>T. MATTHEWS</b> CHECKED BY:													
PRELIMINARY INFORMATION SHEET 1 SHEET 2 OF 20													

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



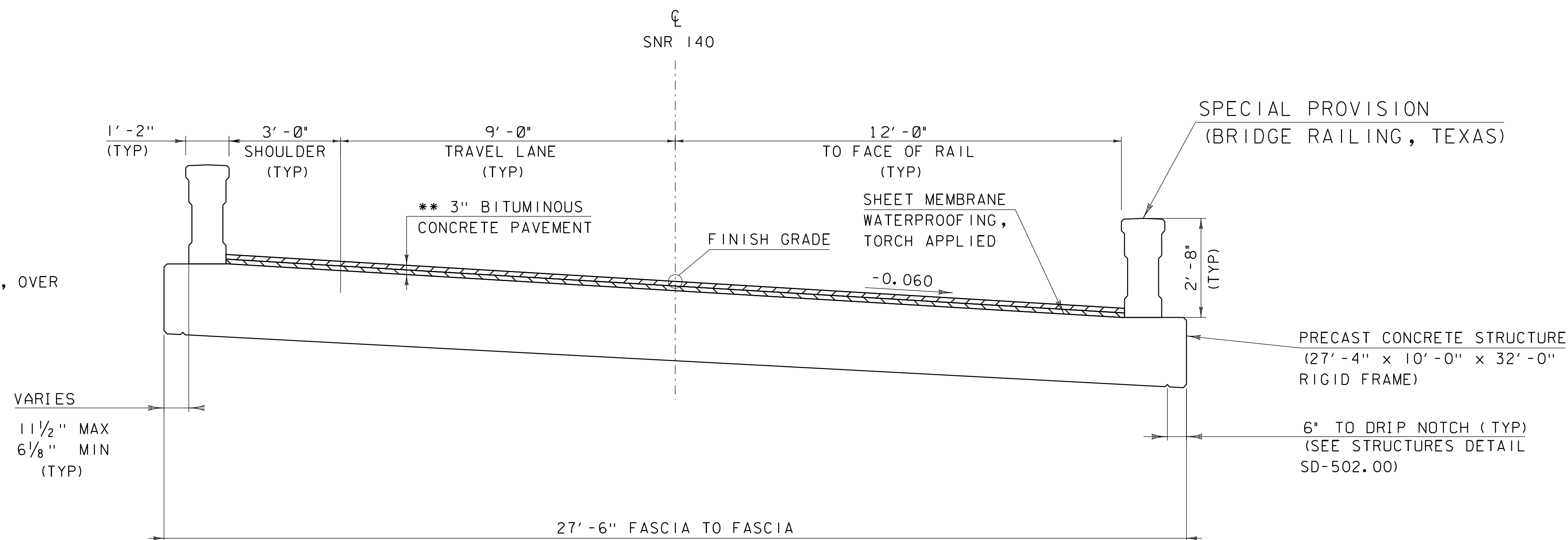
ROADWAY TYPICAL SECTION

SCALE 1/2" = 1'-0"

MATERIAL TOLERANCES

(IF USED ON PROJECT)

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



BRIDGE TYPICAL SECTION

SCALE 1/2" = 1'-0"

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

PROJECT NAME: POULTNEY

PROJECT NUMBER: BF 0138(I2)

FILE NAME: s13j276+typical.dgn

PROJECT LEADER: R. YOUNG

DESIGNED BY: T. MATTHEWS

TYPICAL SECTIONS I

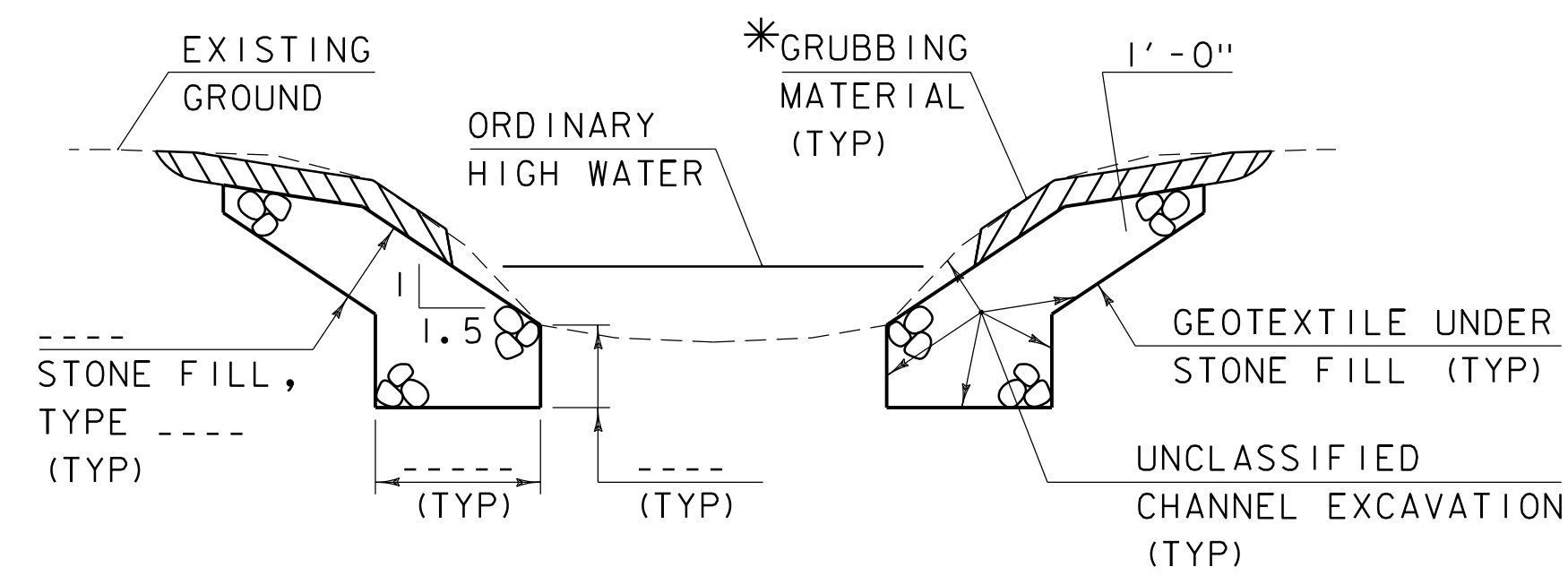
PLOT DATE: 14-DEC-2015

DRAWN BY: T. MATTHEWS

CHECKED BY: -----

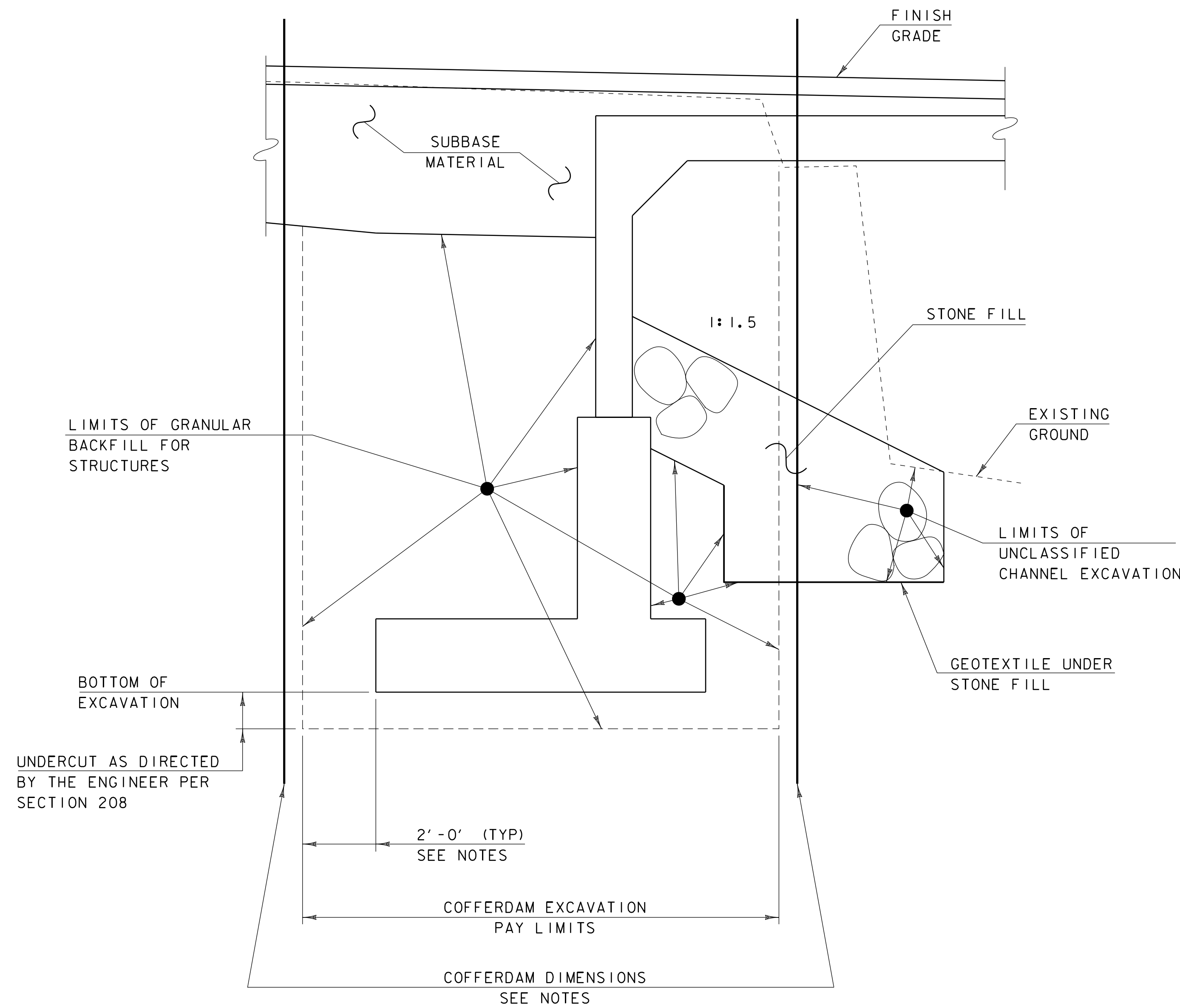
SHEET 3 OF 20





**TYPICAL CHANNEL SECTION**  
(NOT TO SCALE)

\*GRUBBING MATERIAL SHALL NOT BE PLACED ON THE STONE FILL IN THE AREA UNDER THE BRIDGE. WHENEVER CHANNEL SLOPE INTERSECTS ROADWAY SUBBASE, GRUBBING MATERIAL SHALL BEGIN AT THE BOTTOM OF SUBBASE.

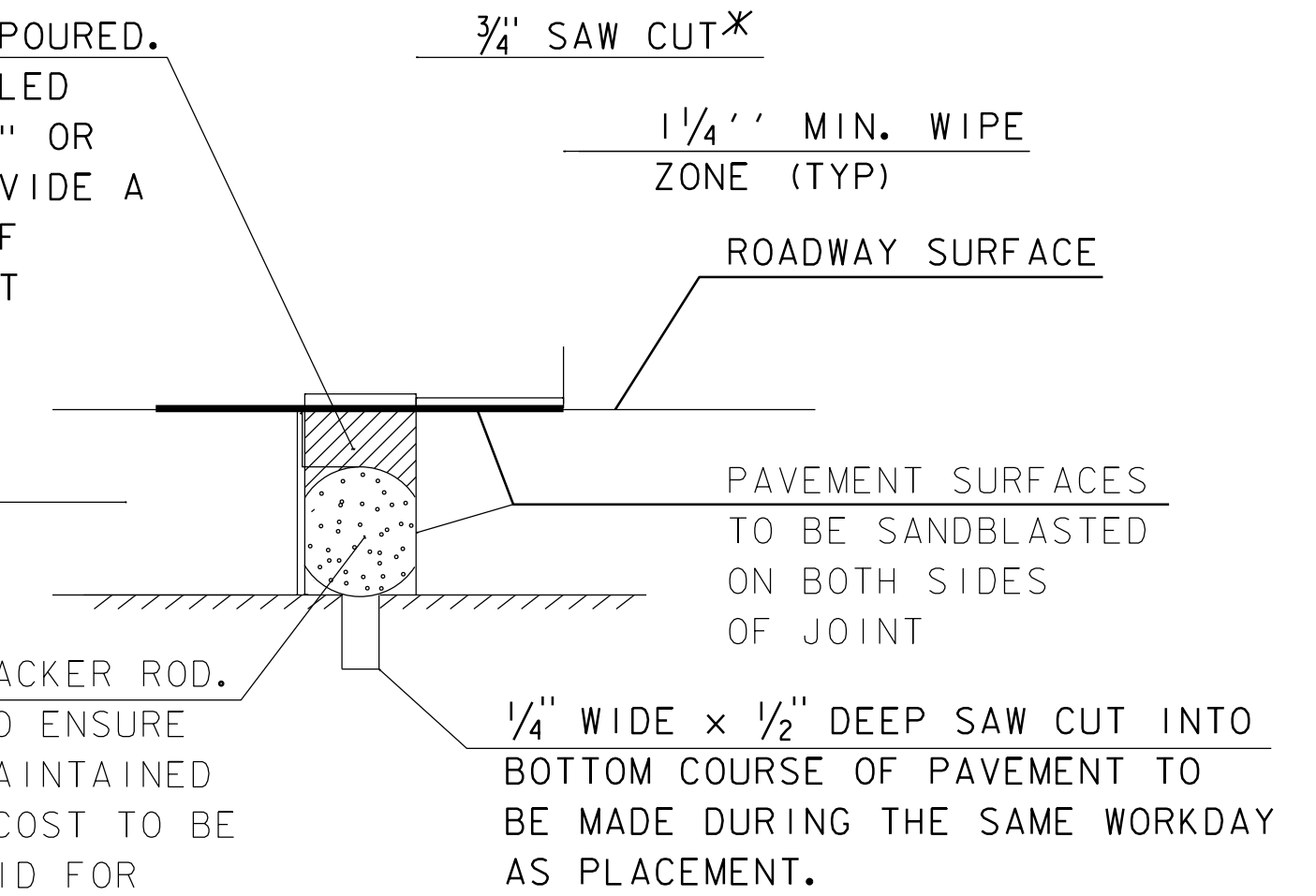


**COFFERDAM AND EARTHWORK SECTION**  
NOT TO SCALE

JOINT SEALER, HOT OR COLD POURED. SHALL BE SLIGHTLY OVER FILLED THEN WIPED FLUSH WITH A "V" OR "U" SHAPED SQUEEGEE TO PROVIDE A 1/4" WIPE ZONE EACH SIDE OF JOINT. ASPHALTIC PLUG JOINT BINDER MAY BE USED AS A SUBSTITUTE JOINT SEALER.

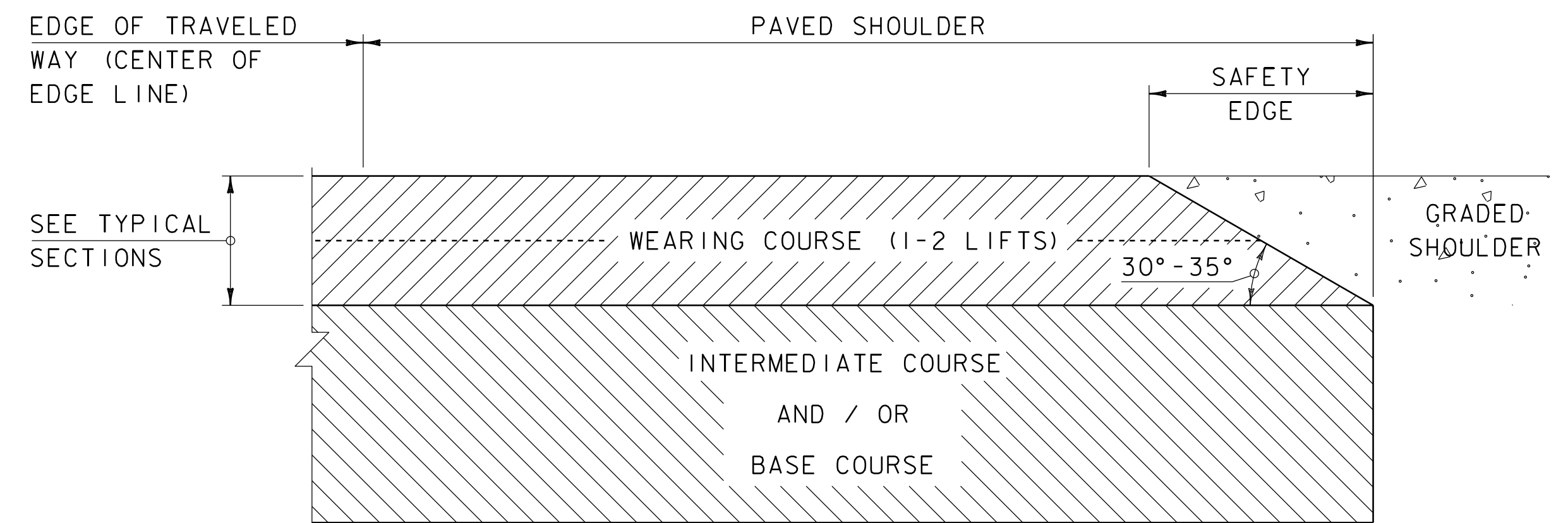
TOP COURSE OF PAVEMENT

3/8" Ø HEAT RESISTANT FOAM BACKER ROD. COMPRESSION FIT REQUIRED TO ENSURE THAT THE ROD POSITION IS MAINTAINED DURING FILLING OPERATION. COST TO BE INCLUDED WITH UNIT PRICE BID FOR JOINT SEALER.



**SAWED PAVEMENT JOINT DETAIL**  
(NOT TO SCALE)

\*JOINT IS TO BE LOCATED ACCURATELY BY STRING LINING, OR OTHER MEANS, PRIOR TO PAVING, SO THAT THE SAW CUTS WILL BE MADE DIRECTLY OVER THE END OF CONCRETE DECK. JOINT SHALL BE CUT DRY IN A SINGLE PASS AND BE SEALED WITHIN 24 HOURS OR PRIOR TO EXPOSURE TO TRAFFIC. JOINT SHALL BE CLEANED PRIOR TO APPLYING THE JOINT SEALER.



**SAFETY EDGE DETAIL**  
NOT TO SCALE

1. LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.
2. THE EDGE OF PAVEMENT SHALL BE FORMED IN SUCH A WAY THAT THE BITUMINOUS CONCRETE PAVEMENT IS EXTRUDED OR COMPRESSED TO FORM THE 30 TO 35 DEGREE ANGLE. DEVICES THAT SIMPLY STRIKE-OFF THE MIX WITHOUT PROVIDING ANY COMPACTIVE EFFORT WILL NOT BE ALLOWED.
3. THE PAVED SHOULDER EXTENDS FROM THE EDGE OF TRAVELED WAY TO THE EDGE OF THE WEARING COURSE, INCLUDING THE "SAFETY EDGE".

PROJECT NAME: POULTNEY  
PROJECT NUMBER: BF 0138(I2)

FILE NAME: s13j276+typical.dgn  
PROJECT LEADER: R. YOUNG  
DESIGNED BY: T. MATTHEWS  
TYPICAL SECTIONS 2

PLOT DATE: 14-DEC-2015  
DRAWN BY: T. MATTHEWS  
CHECKED BY: -----  
SHEET 4 OF 20

**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
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
R&RES	REMOVE & RESET
R&REP	REMOVE & REPLACE
SR	SLOPE RIGHT
UE	UTILITY EASEMENT
(P)	PERMANENT EASEMENT
(T)	TEMPORARY EASEMENT
■	BNDNS BOUND SET
□	BNDNS BOUND TO BE SET
●	IPNS IRON PIN SET
⊙	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 VALUE
⊞	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 RADUIS OF
T	CURVE TANGENT LENGTH
L	CURVE LENGTH OF
E	CURVE EXTERNAL DISTANCE

**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+TELEP.
— 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+TELEP.
—	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 — PDF —	PROJECT DEMARCATION FENCE
BF — — — — BF — — — —	BARRIER FENCE
XXXXXXXXXXXXXXXXXXXX	TREE PROTECTION ZONE (TPZ)
//// //// //// ////	STRIPING LINE REMOVAL
~~~~~	SHEET PILES

**CONVENTIONAL BOUNDARY SYMBOLGY**

**BOUNDARY LINES**

—————	TOWN BOUNDARY LINE
—————	COUNTY BOUNDARY 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 — P —	PROPERTY LINE (P/L)
— L — 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 SYMBOLGY**

**EPSC MEASURES**

ONNOONNOONNO	FILTER CURTAIN
— — — — —	SILT FENCE
— X — X — X — X —	SILT FENCE WOVEN WIRE
— — — — —	CHECK DAM
▬	DISTURBED AREAS REQUIRING RE-VEGETATION
▨	EROSION MATTING

SEE EPSC DETAIL SHEETS FOR ADDITIONAL SYMBOLGY

**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
Ⓜ	HISTORIC STRUCTURE

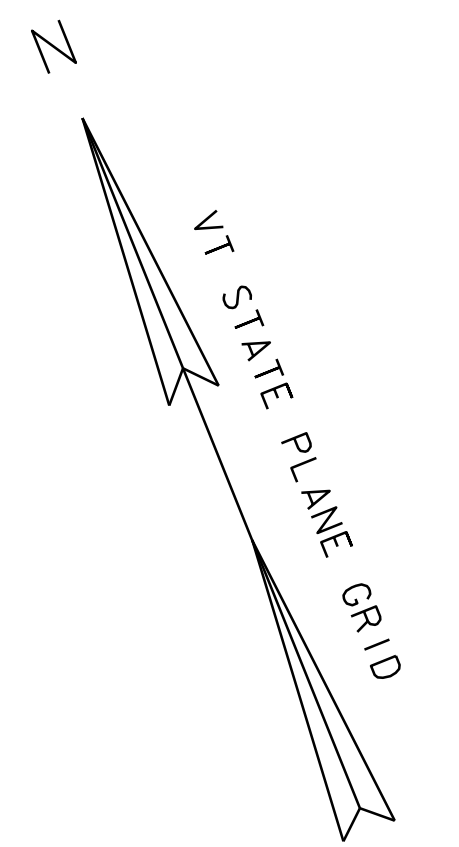
**CONVENTIONAL TOPOGRAPHIC SYMBOLGY**

**EXISTING FEATURES**

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

PROJECT NAME: POULTNEY  
PROJECT NUMBER: BF 0138(I2)

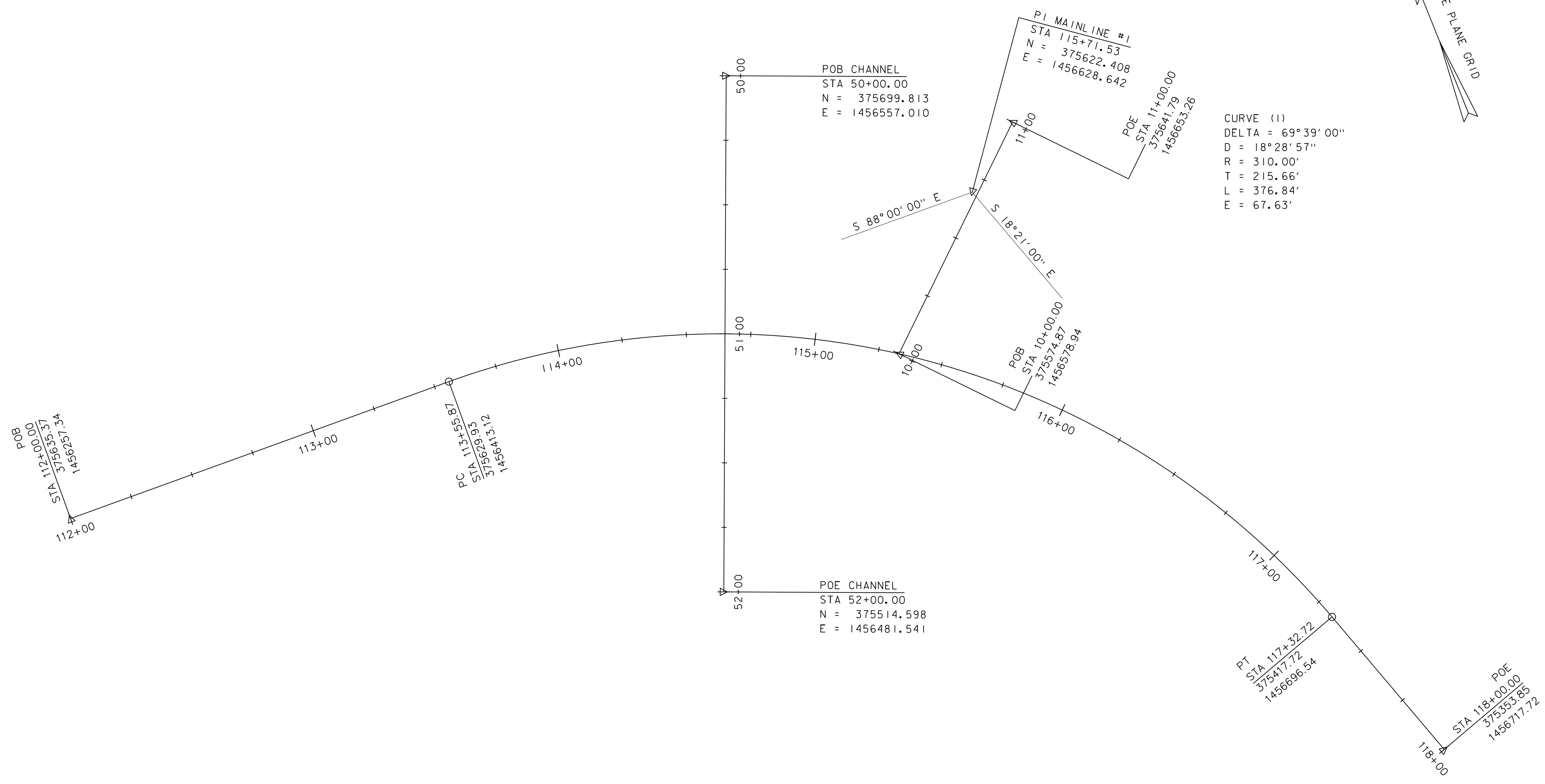
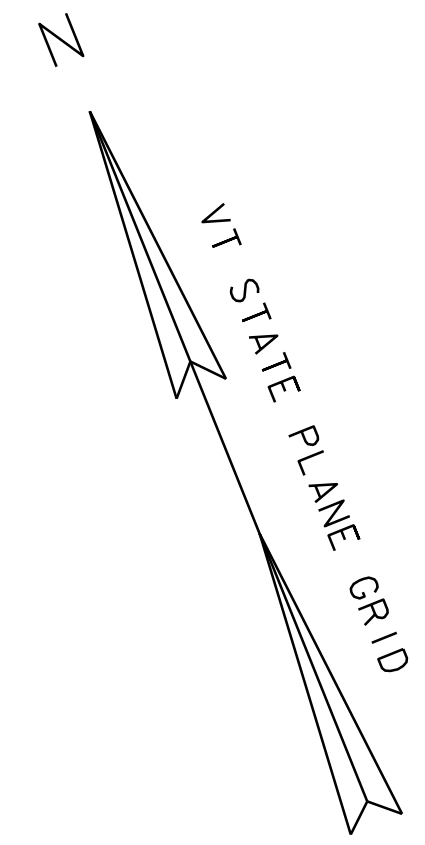
FILE NAME: s13j276legend.dgn PLOT DATE: 14-DEC-2015  
PROJECT LEADER: R. YOUNG DRAWN BY: S. COLEY  
DESIGNED BY: CHECKED BY:  
LEGEND SHEET 5 OF 20



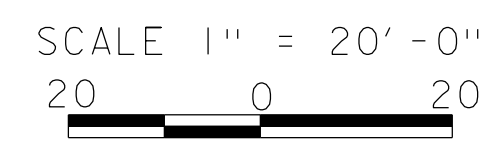
EXISTING BRIDGE INFORMATION  
 31' LONG CONCRETE T-BEAM  
 BUILT 1900  
 23' -4" FASCIA TO FASCIA  
 7° SKEW

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

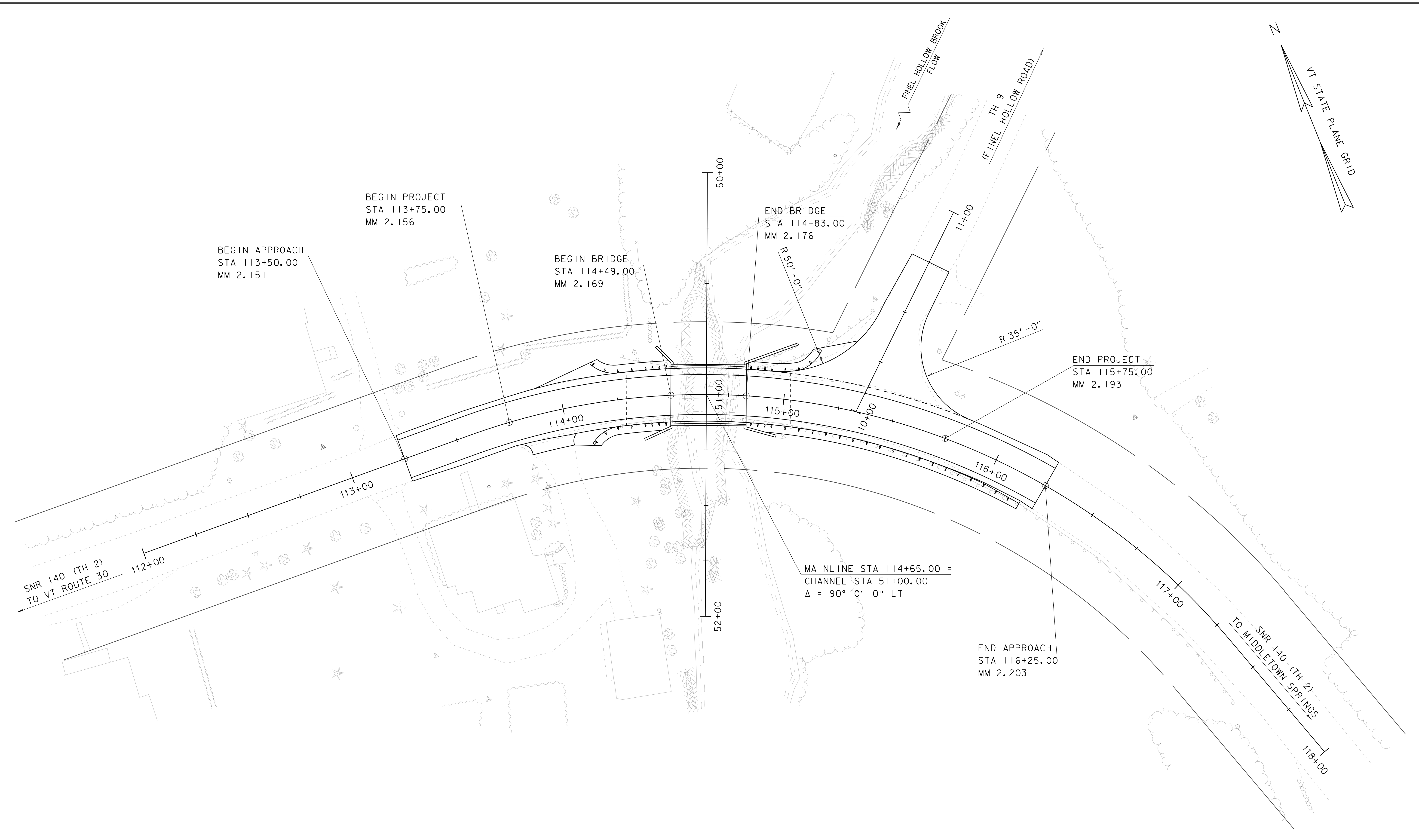
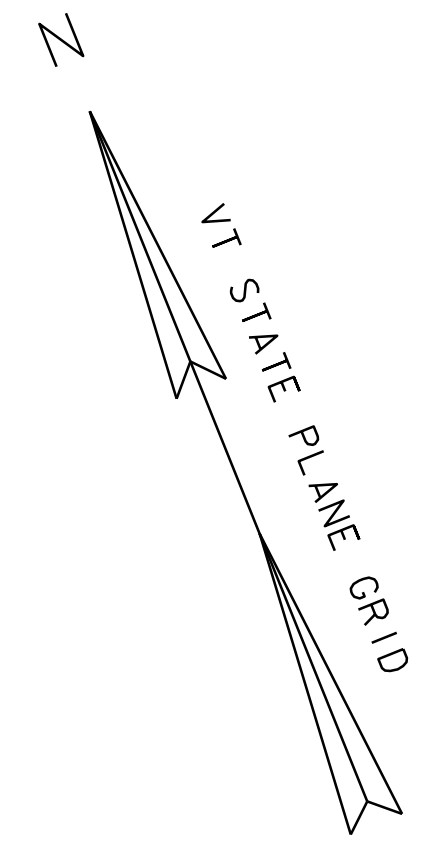
PROJECT NAME:	POULTNEY	PLOT DATE:	14-DEC-2015
PROJECT NUMBER:	BF 0138(12)	DRAWN BY:	T. MATTHEWS
FILE NAME:	s13j276bdr_ex.dgn	CHECKED BY:	-----
PROJECT LEADER:	R. YOUNG	EXISTING CONDITIONS	SHEET 6 OF 20
DESIGNED BY:	T. MATTHEWS		



ALIGNMENT SHEET



PROJECT NAME:	POULTNEY	PLOT DATE:	14-DEC-2015
PROJECT NUMBER:	BF 0138(I2)	DRAWN BY:	G. DARGAN
FILE NAME:	s\3\276\alignment_sheet.dgn	CHECKED BY:	-----
PROJECT LEADER:	R. YOUNG	SHEET	7 OF 20
DESIGNED BY:	T. MATTHEWS		
ALIGNMENT SHEET			



BEGIN PROJECT  
STA 113+75.00  
MM 2.156

BEGIN APPROACH  
STA 113+50.00  
MM 2.151

BEGIN BRIDGE  
STA 114+49.00  
MM 2.169

END BRIDGE  
STA 114+83.00  
MM 2.176

END PROJECT  
STA 115+75.00  
MM 2.193

END APPROACH  
STA 116+25.00  
MM 2.203

MAINLINE STA 114+65.00 =  
CHANNEL STA 51+00.00  
Δ = 90° 0' 0" LT

SNR 140 (TH 2)  
TO VT ROUTE 30

SNR 140 (TH 2)  
TO MIDDLETOWN SPRINGS

### LAYOUT SHEET

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

PROJECT NAME: POULTNEY	PLOT DATE: 14-DEC-2015
PROJECT NUMBER: BF 0138(12)	DRAWN BY: T. MATTHEWS
FILE NAME: s13j276bdr.dgn	CHECKED BY:
PROJECT LEADER: R. YOUNG	SHEET 8 OF 20
DESIGNED BY: T. MATTHEWS	
LAYOUT SHEET	

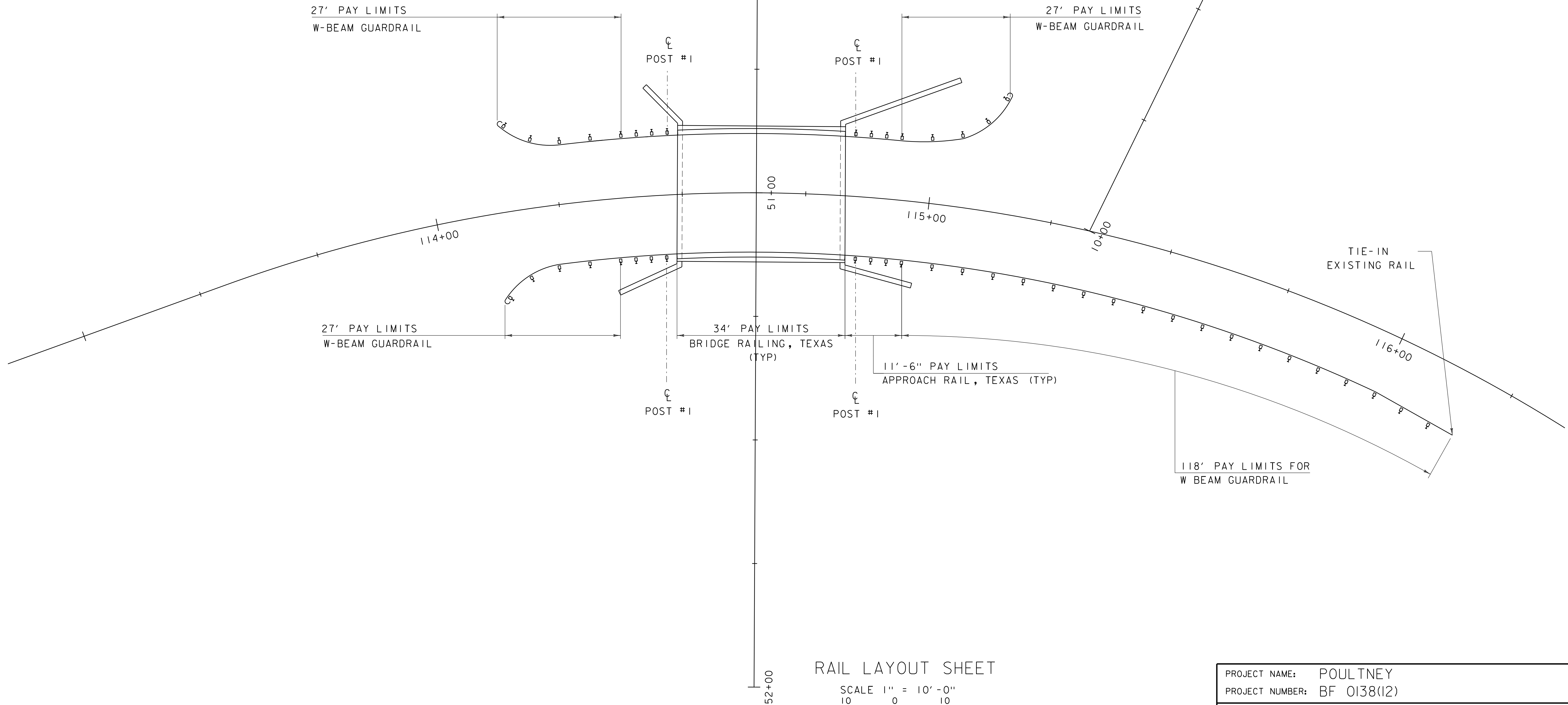


W BEAM GUARDRAIL

STA 114+10.89 - 114+36.43 RT  
 STA 114+15.16 - 114+38.57 LT  
 STA 114+95.70 - 116+18.28 RT  
 STA 114+93.35 - 115+13.24 LT

APPROACH RAIL

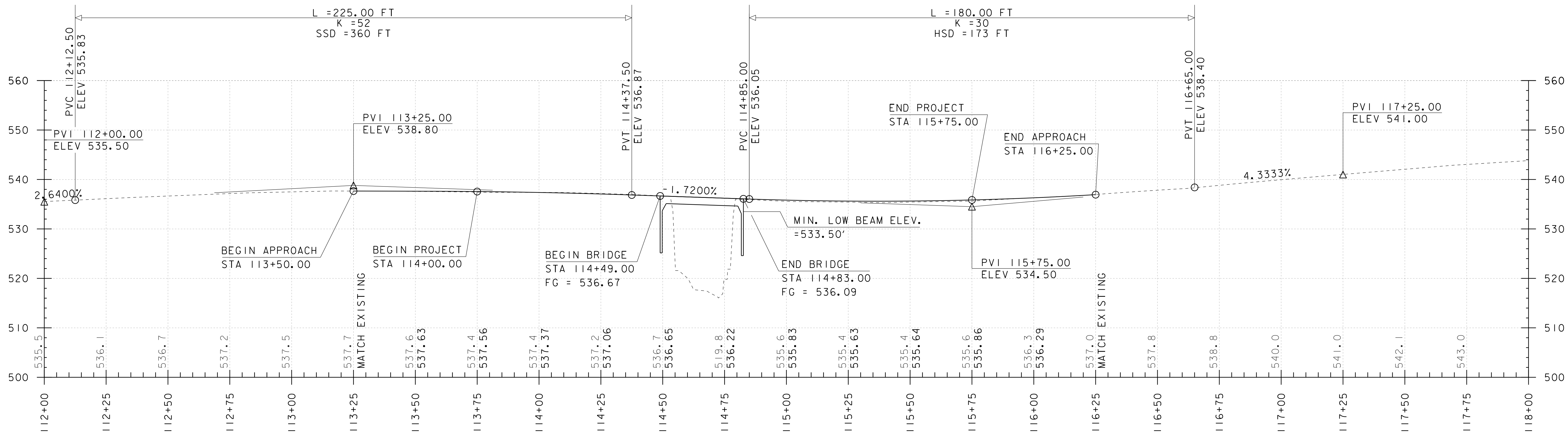
STA 114+36.43 - 114+48.35 RT  
 STA 114+38.57 - 114+49.64 LT  
 STA 114+83.74 - 114+95.70 RT  
 STA 114+82.27 - 114+93.35 LT



RAIL LAYOUT SHEET

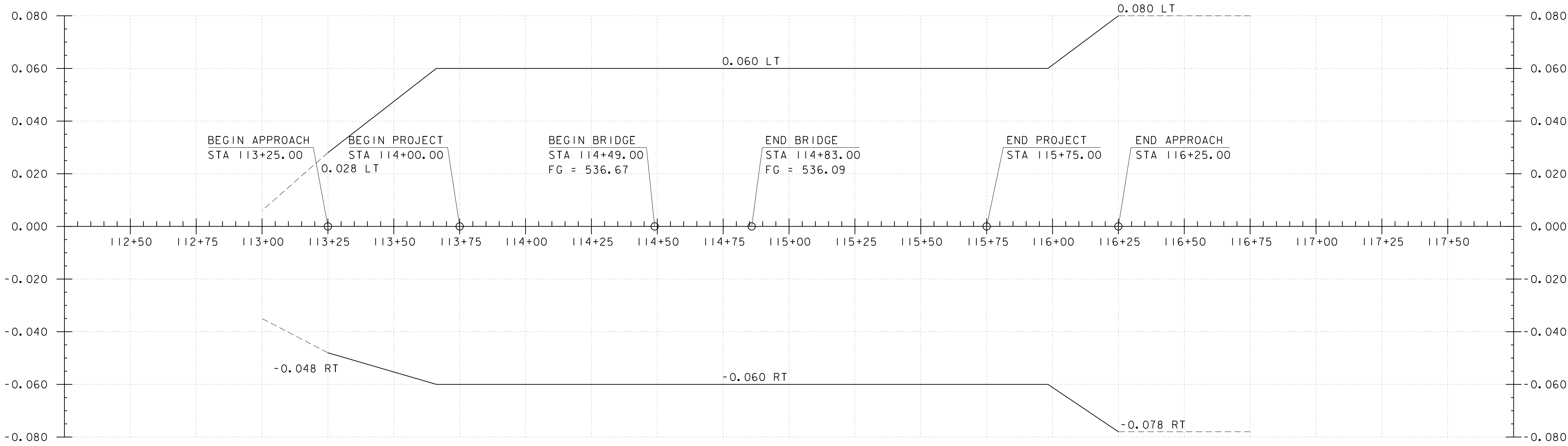
SCALE 1" = 10'-0"  
 10 0 10

PROJECT NAME: POULTNEY	PLOT DATE: 14-DEC-2015
PROJECT NUMBER: BF 0138(12)	DRAWN BY: S. COLEY
FILE NAME: s13j276bdr_rail.dgn	CHECKED BY: -----
PROJECT LEADER: R. YOUNG	SHEET 9 OF 20
DESIGNED BY: S. COLEY	
RAIL LAYOUT SHEET	



**MAINLINE PROFILE**

HOR. SCALE 1" = 20' -0"  
 VER. SCALE 1" = 10' -0"

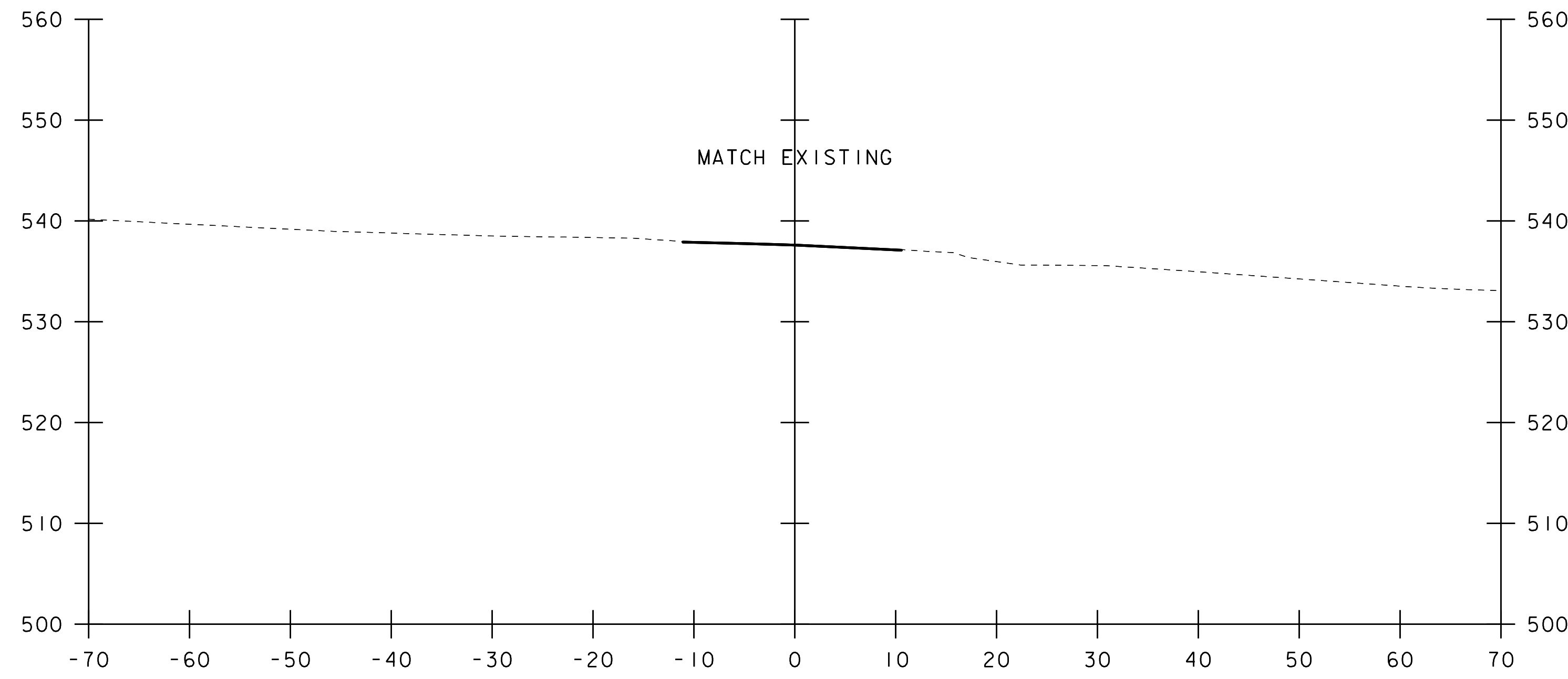


**BANKING DIAGRAM**

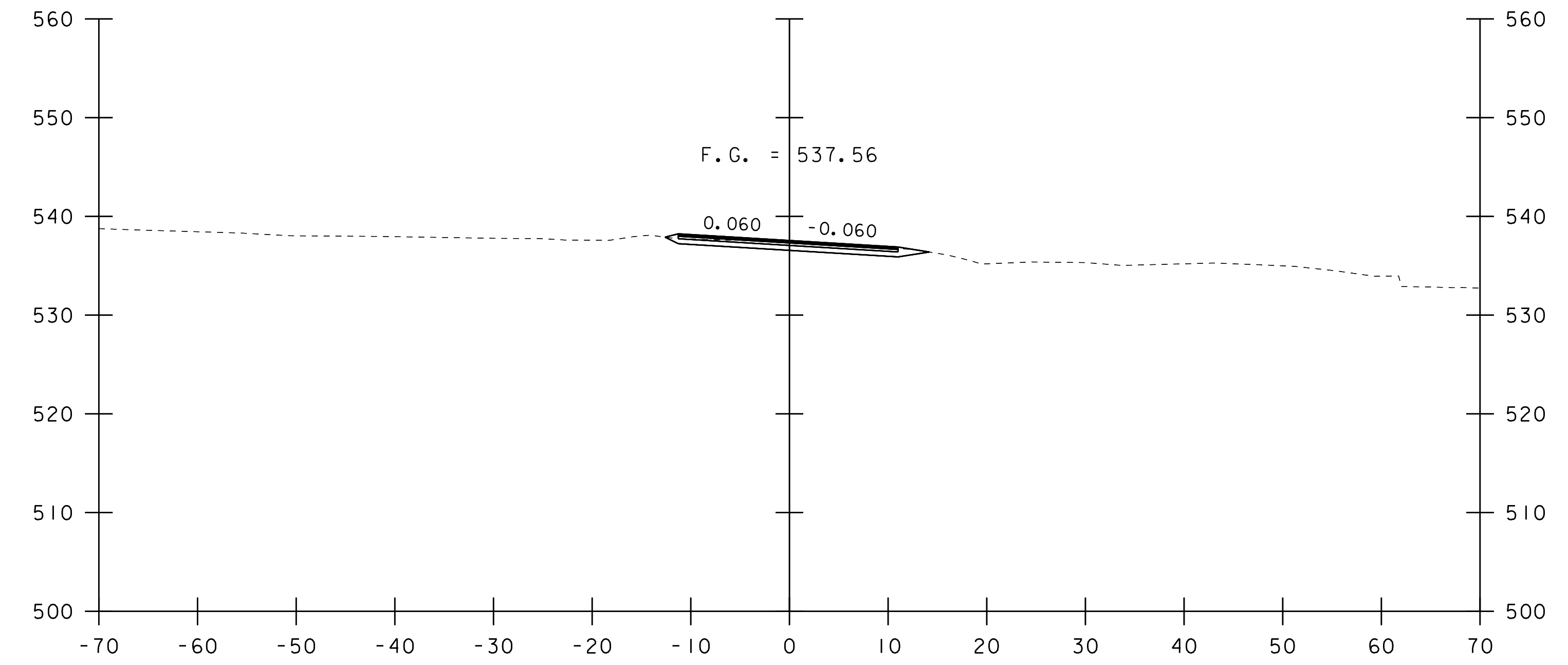
HOR. SCALE 1" = 20' -0"  
 NO VER. SCALE

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

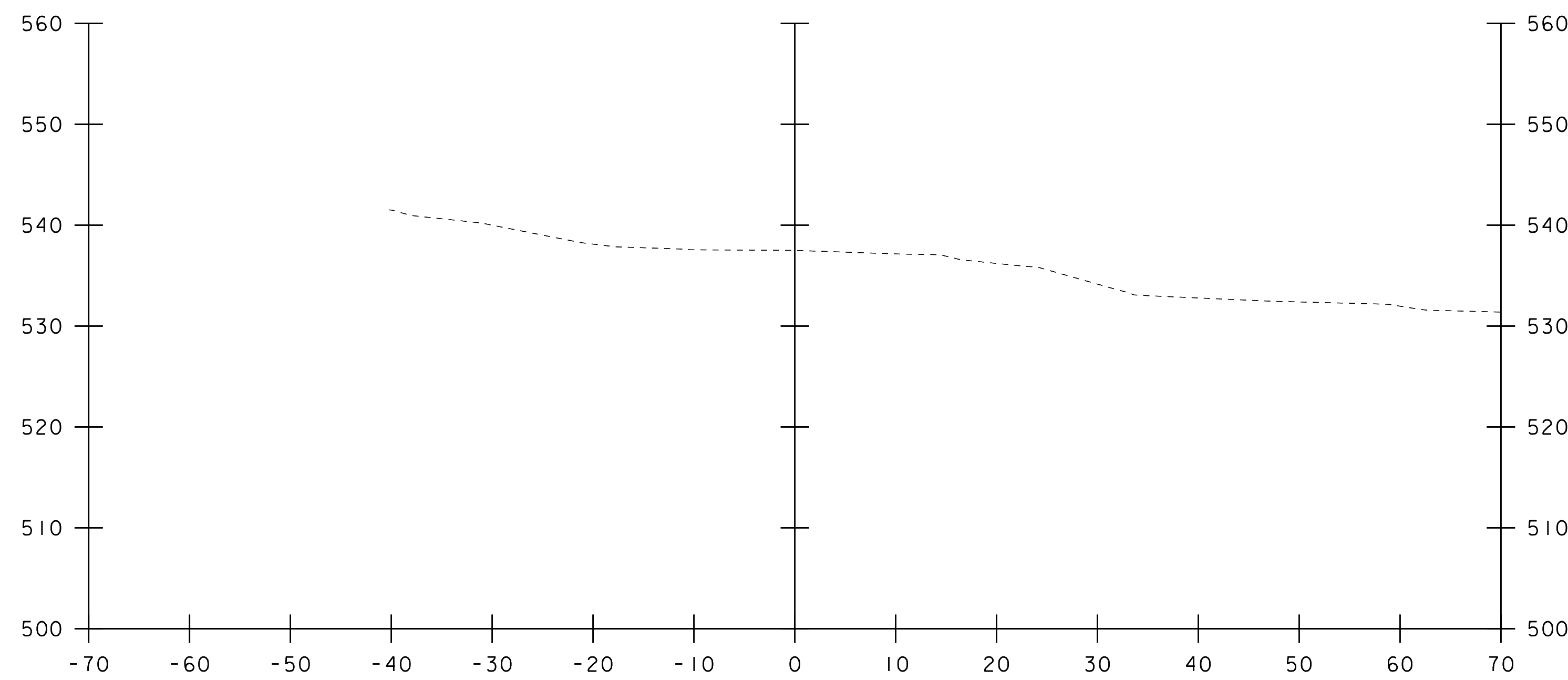
PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(I2)	
FILE NAME: s13j276profile.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
MAINLINE PROFILE	SHEET 10 OF 20



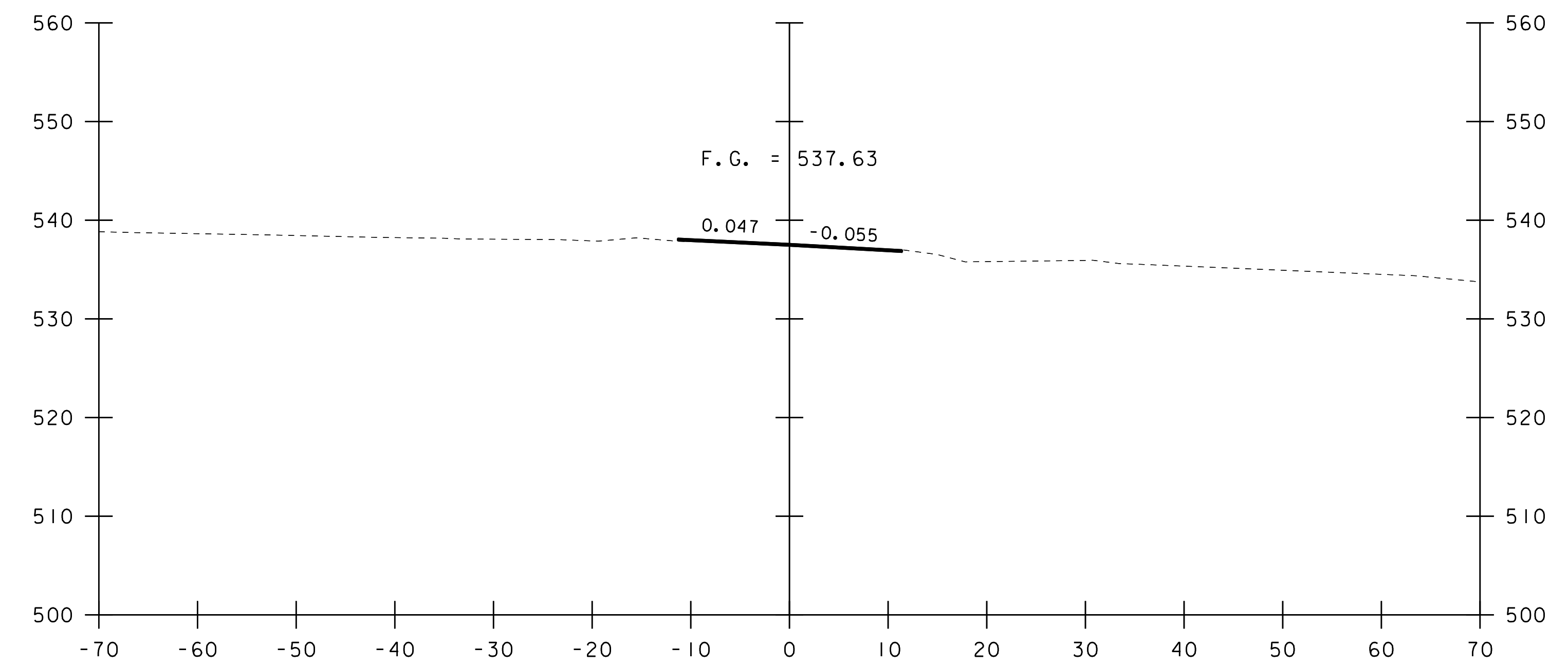
113+25  
BEGIN APPROACH



113+75  
BEGIN PROJECT



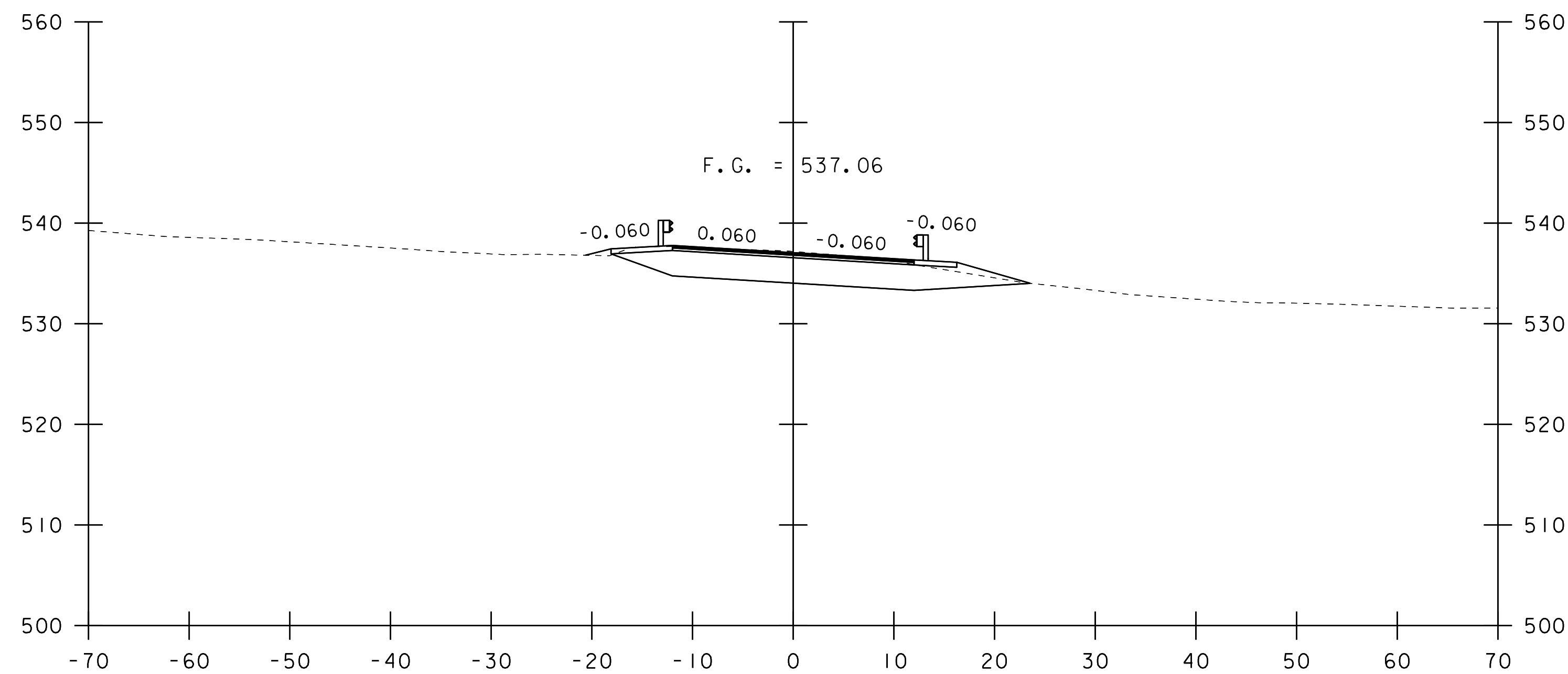
113+00



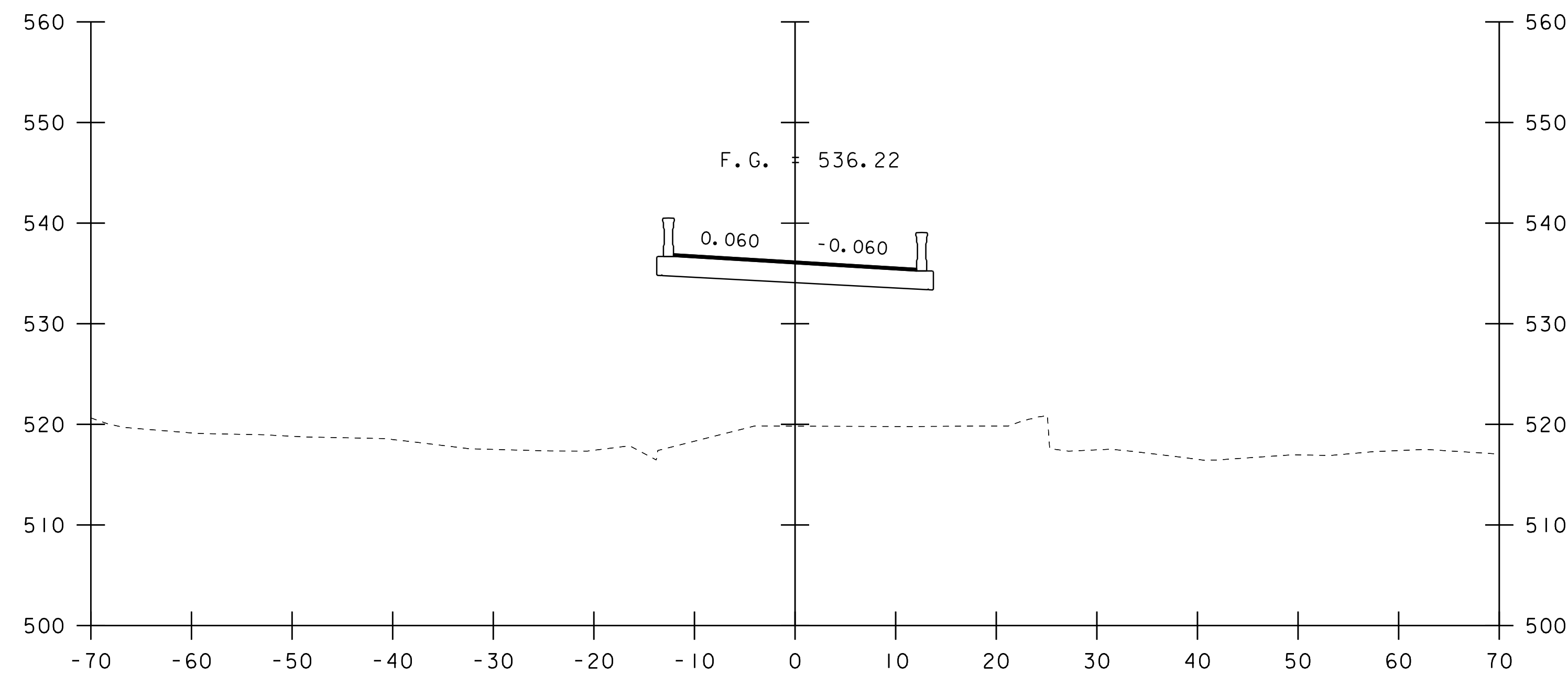
113+50

STA. 113+00 TO STA. 113+75

PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(12)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
MAINLINE CROSS SECTION I	SHEET II OF 20

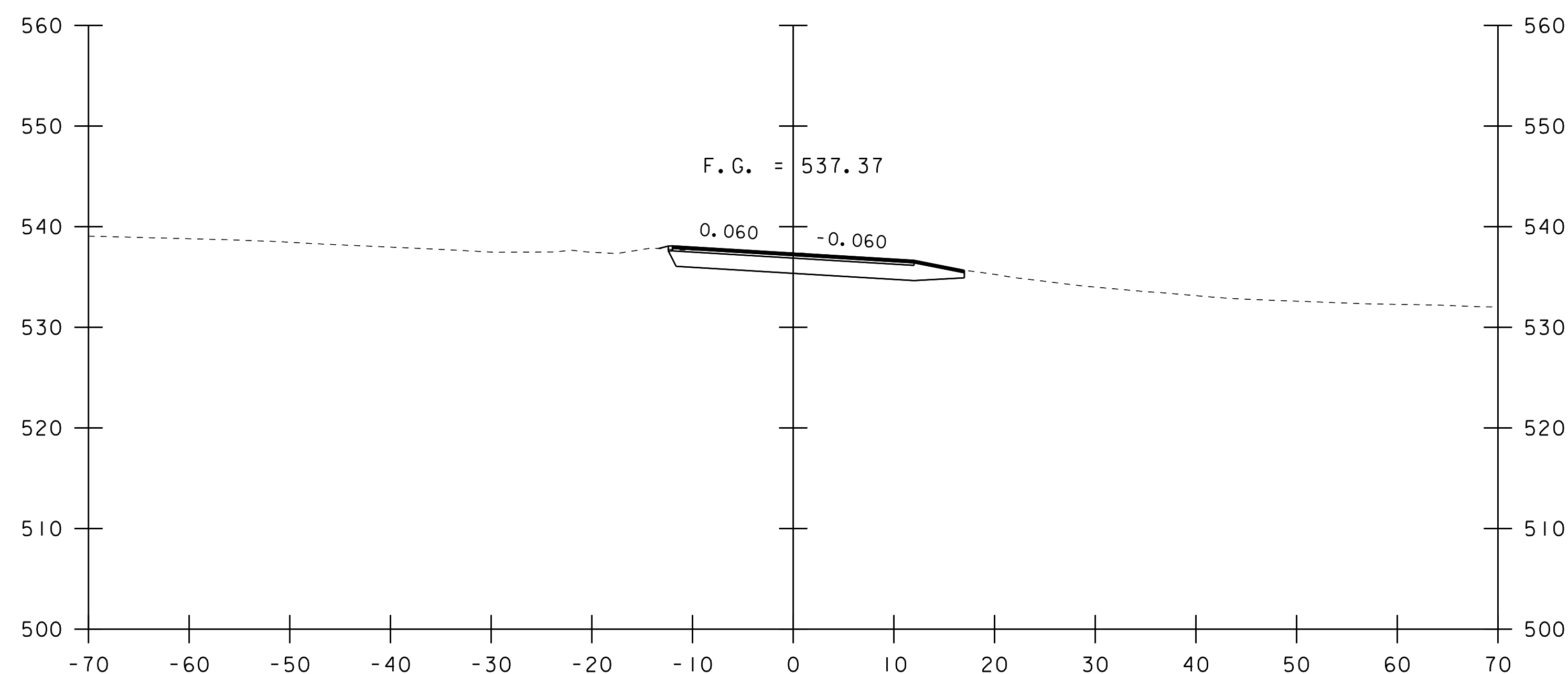


114+25

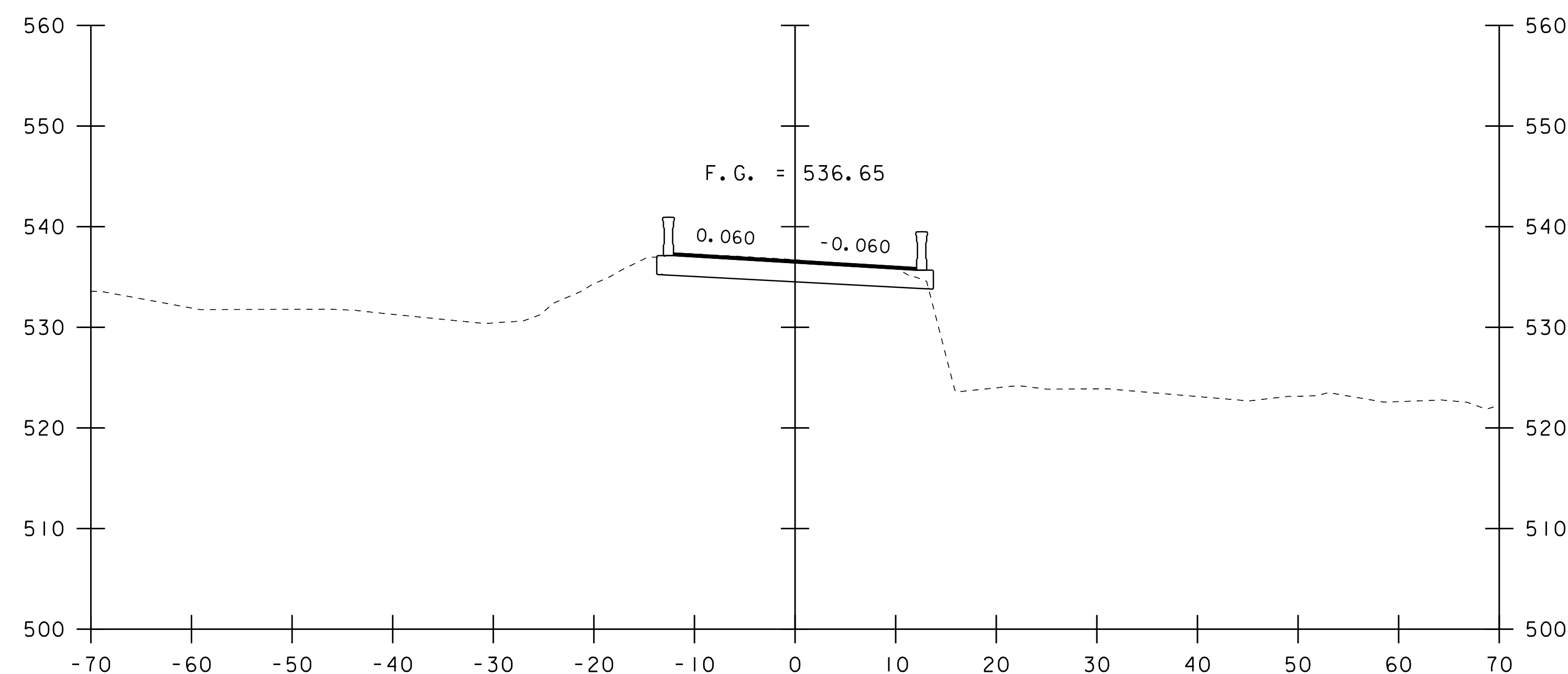


114+75

END BRIDGE @ STA 114+83.00



114+00



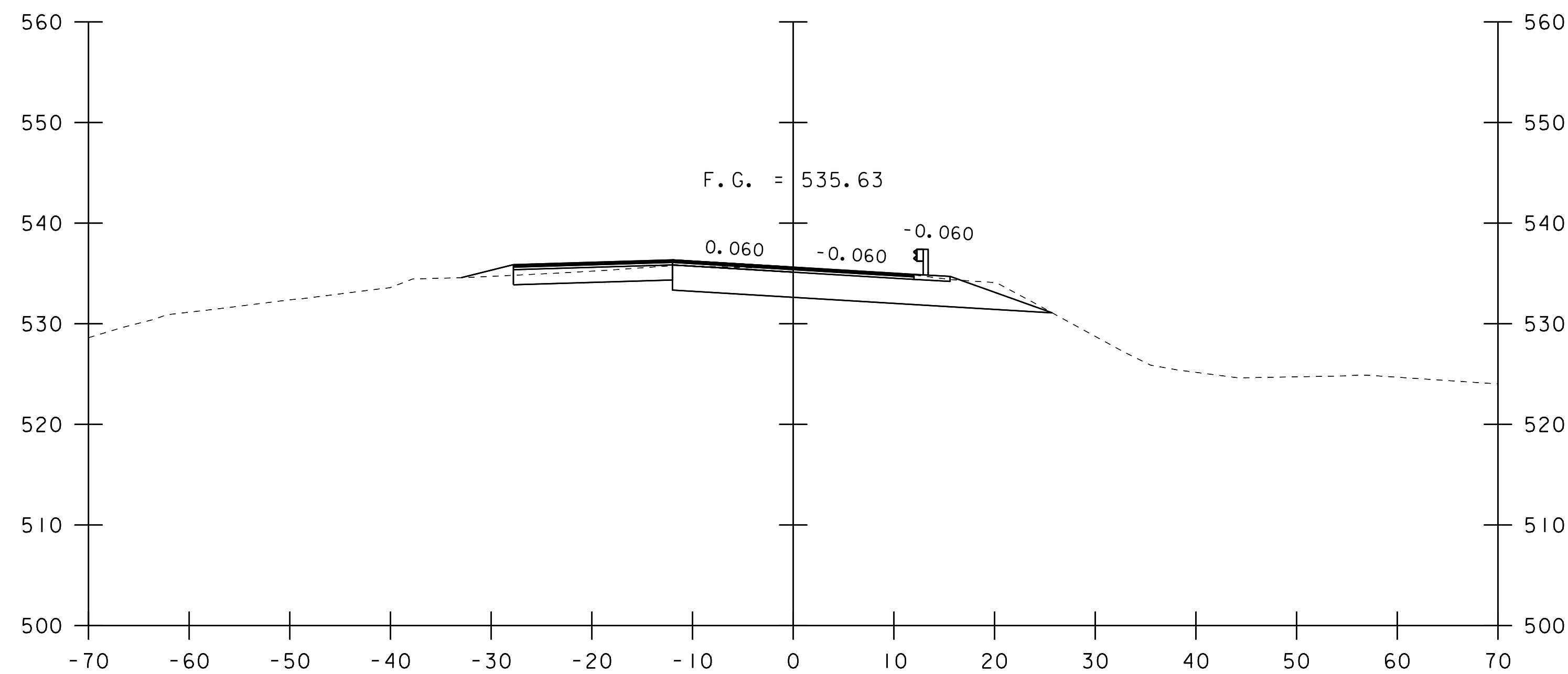
114+50

BEGIN BRIDGE @ STA 114+49.00

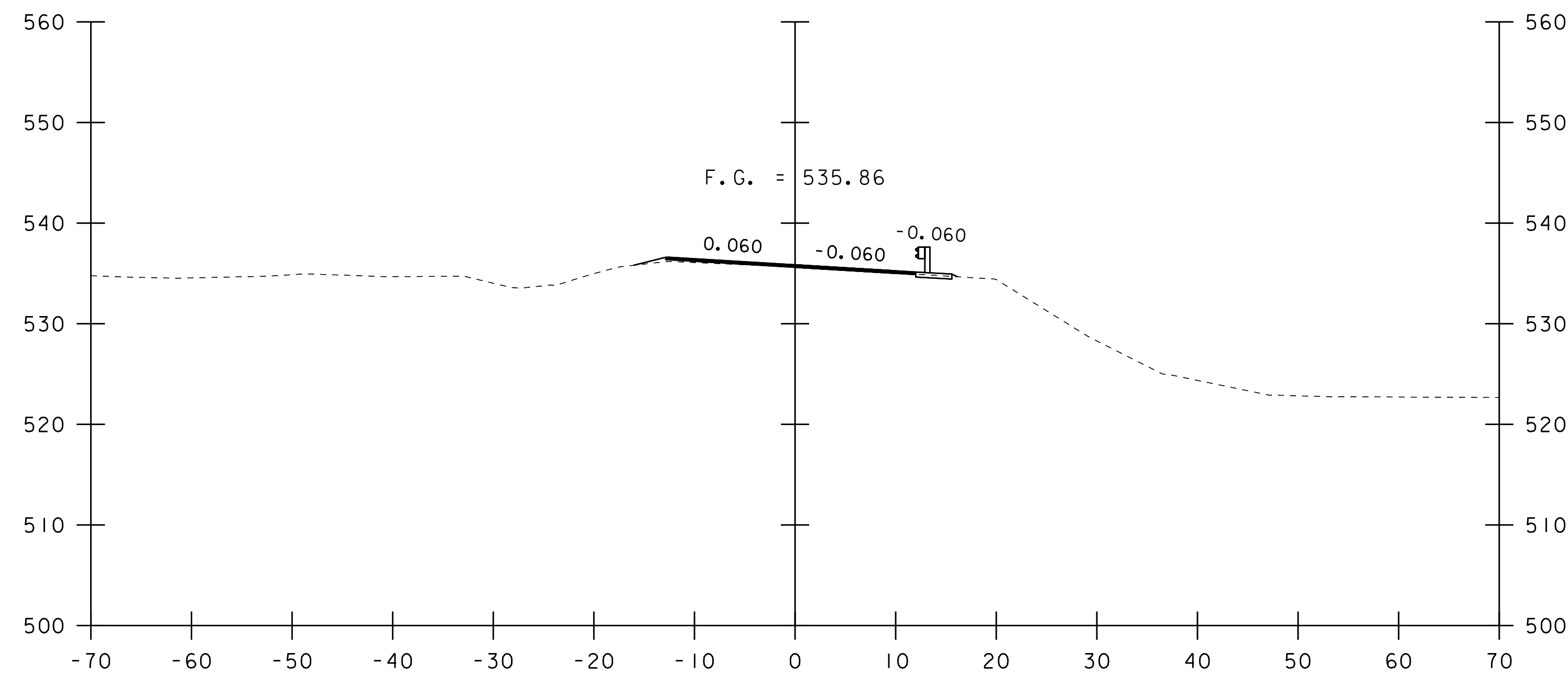
STA. 114+00 TO STA. 114+75

PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(12)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
MAINLINE CROSS SECTION 2	SHEET 12 OF 20

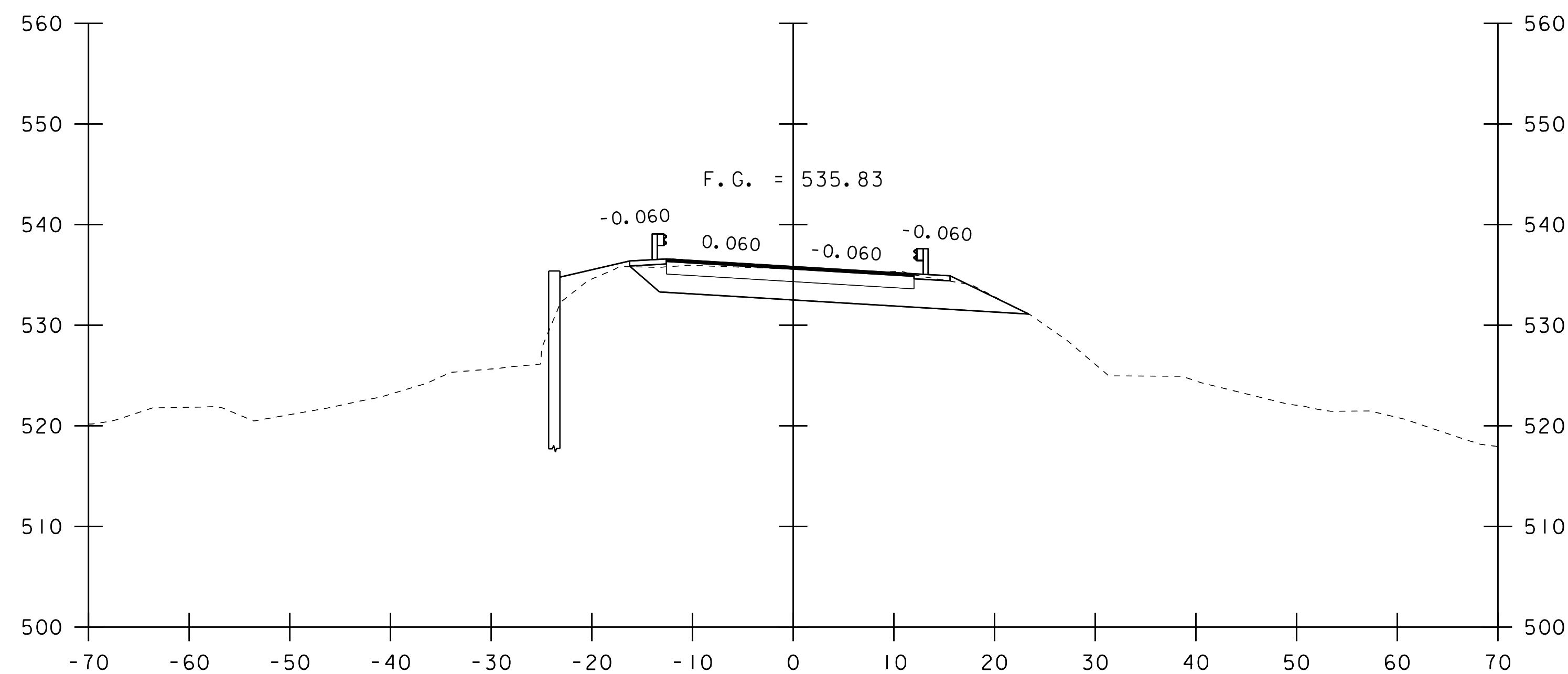




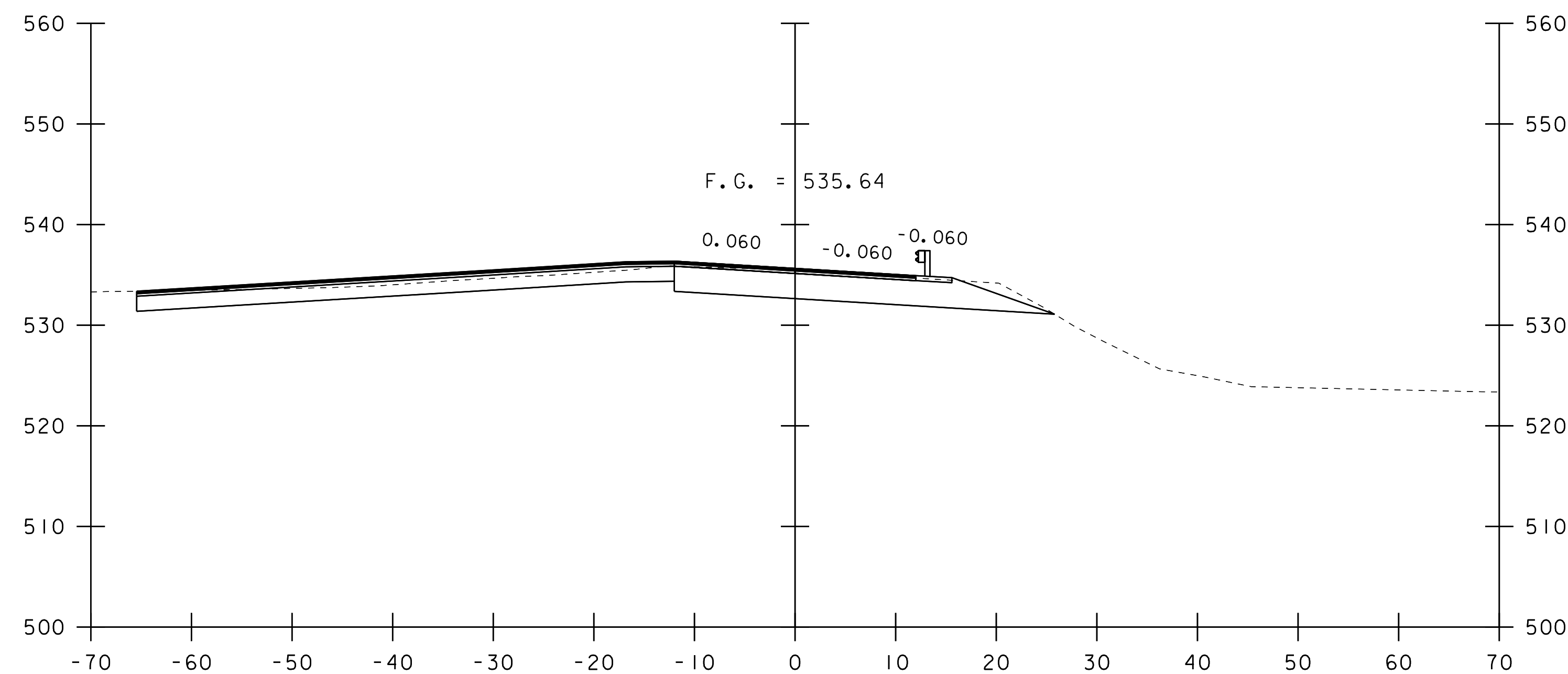
115+25



115+75  
END PROJECT



115+00

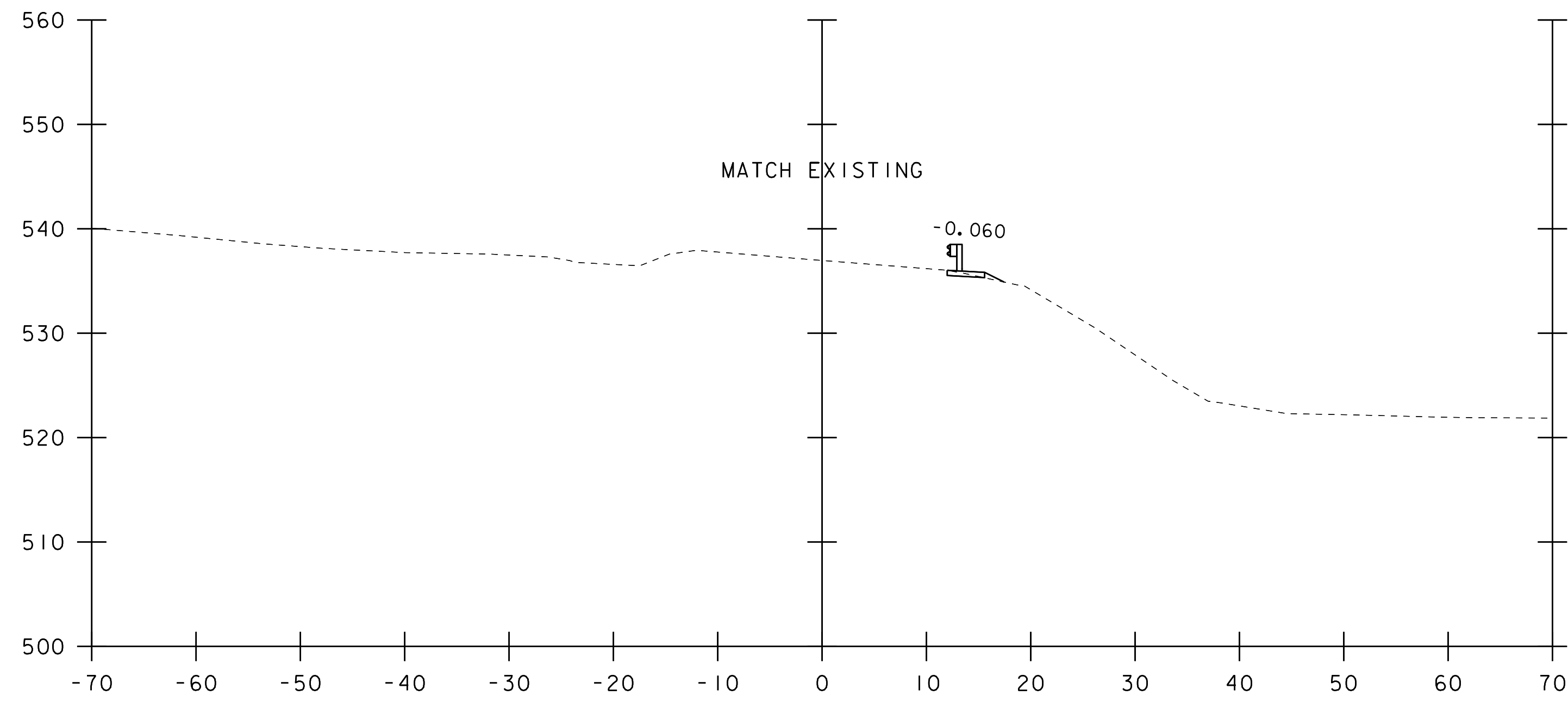


115+50

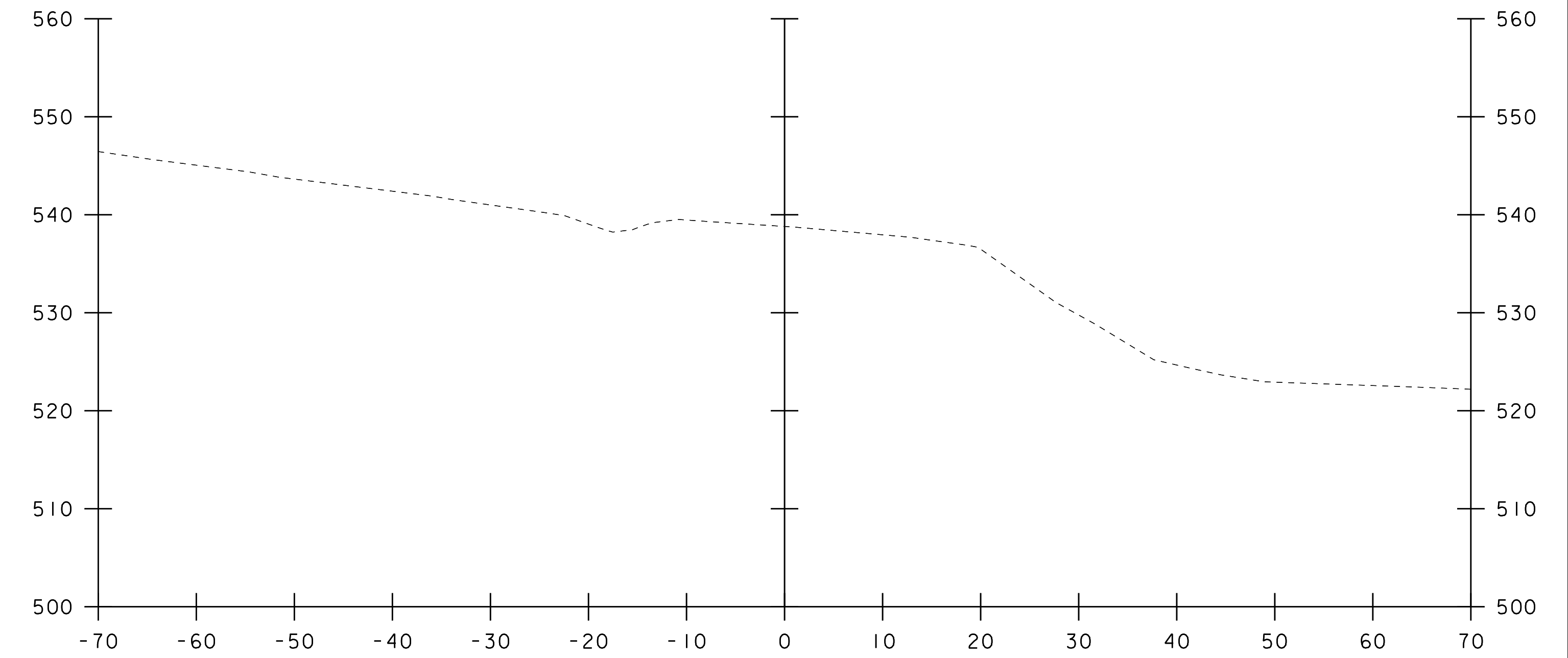
STA. 115+00 TO STA. 115+75

PROJECT NAME: POULTNEY  
 PROJECT NUMBER: BF 0138(12)  
 FILE NAME: s13j276xs.dgn  
 PROJECT LEADER: R. YOUNG  
 DESIGNED BY: T. MATTHEWS  
 MAINLINE CROSS SECTION 3

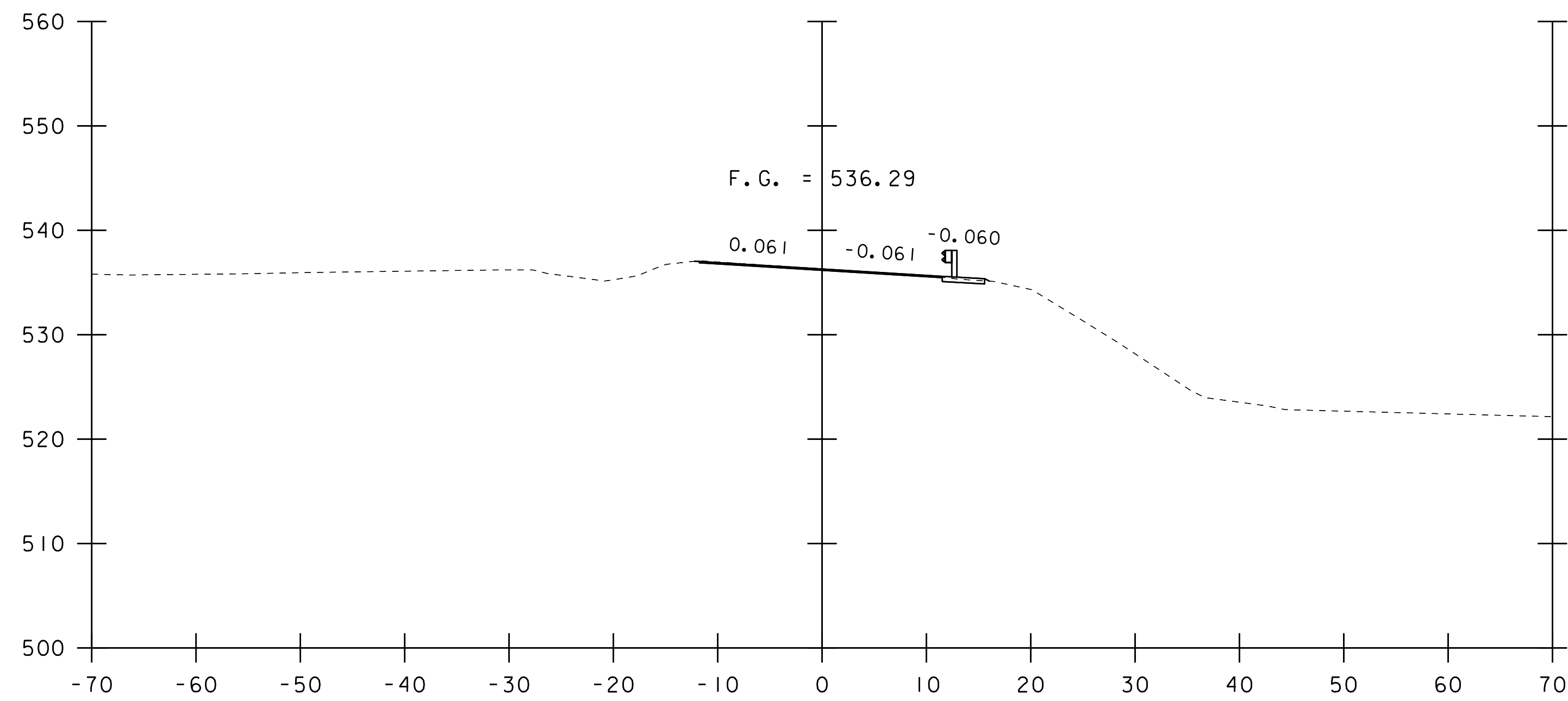
PLOT DATE: 14-DEC-2015  
 DRAWN BY: T. MATTHEWS  
 CHECKED BY: -----  
 SHEET 13 OF 20



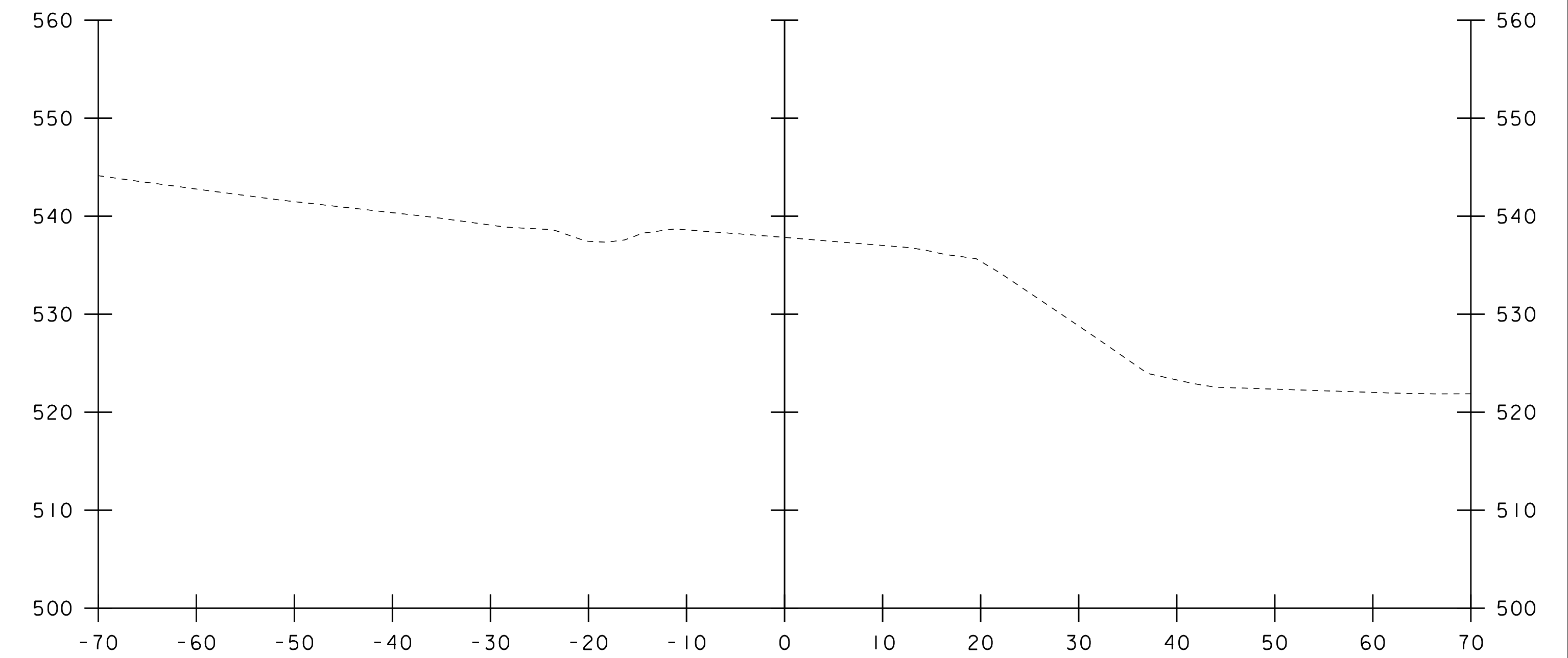
116+25  
END APPROACH



116+75



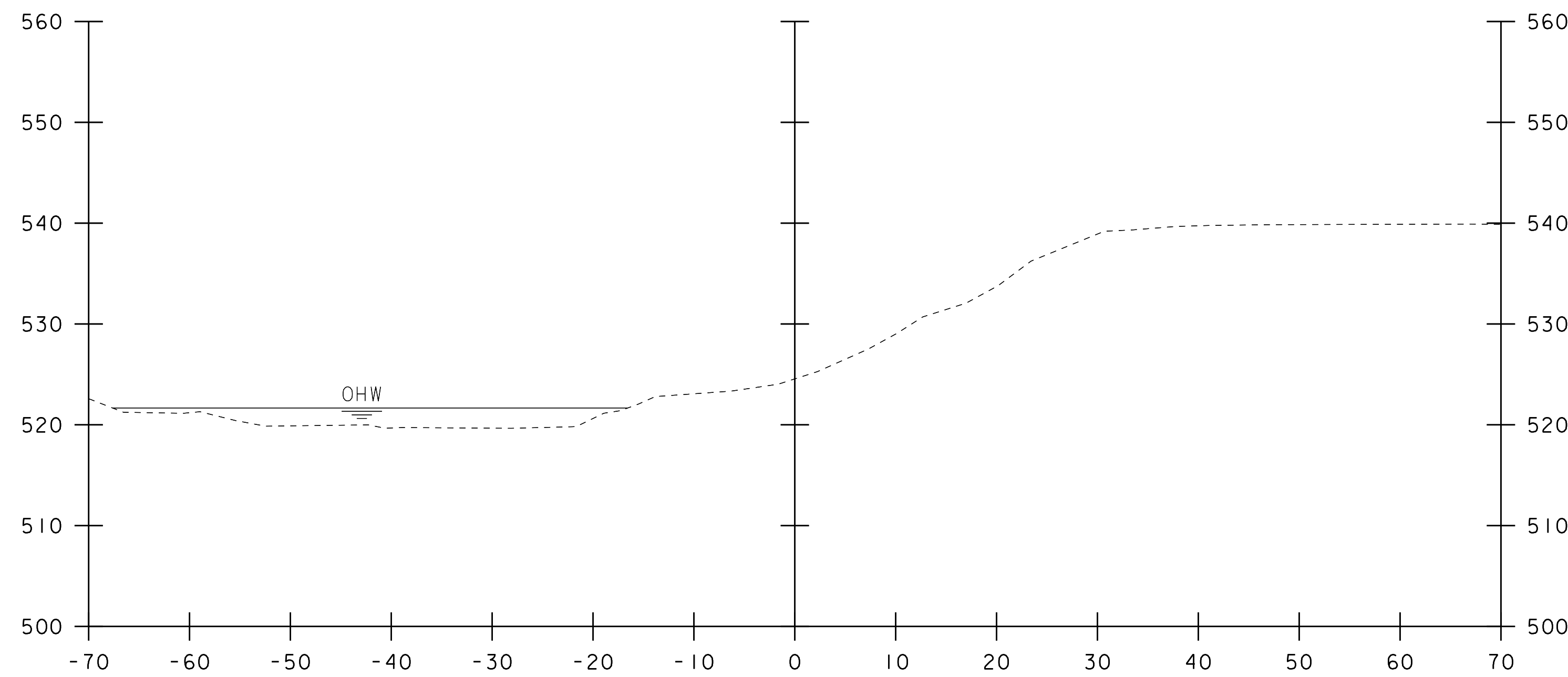
116+00



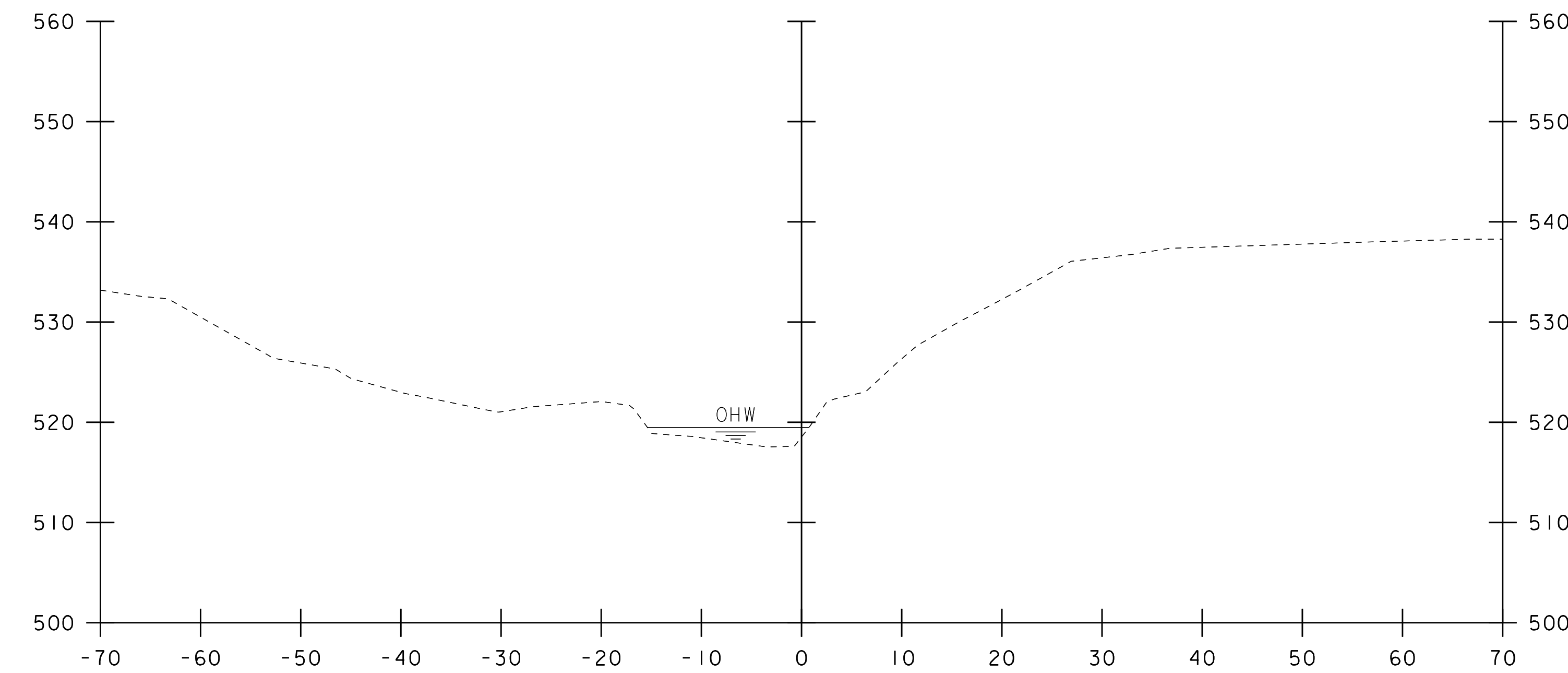
116+50

STA. 116+00 TO STA. 116+75

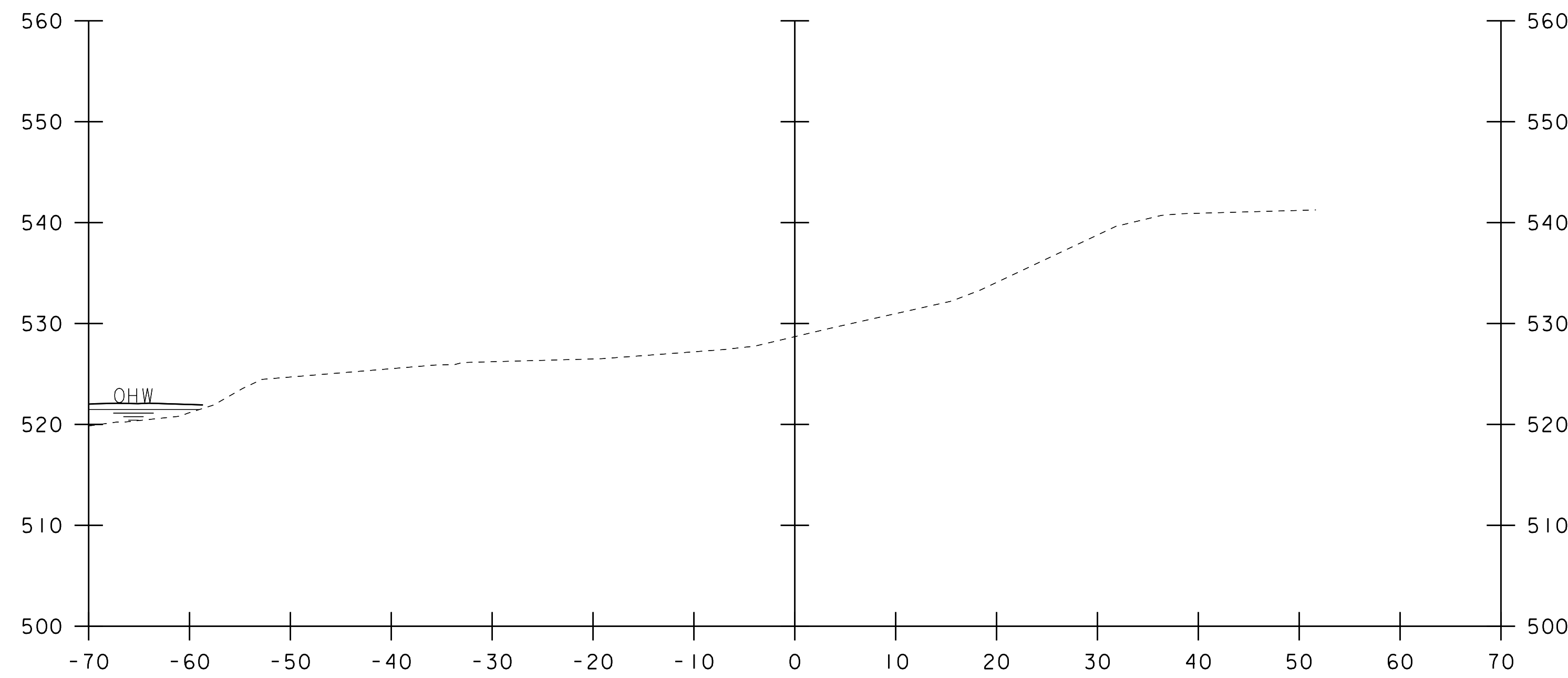
PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(12)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
MAINLINE CROSS SECTION 4	SHEET 14 OF 20



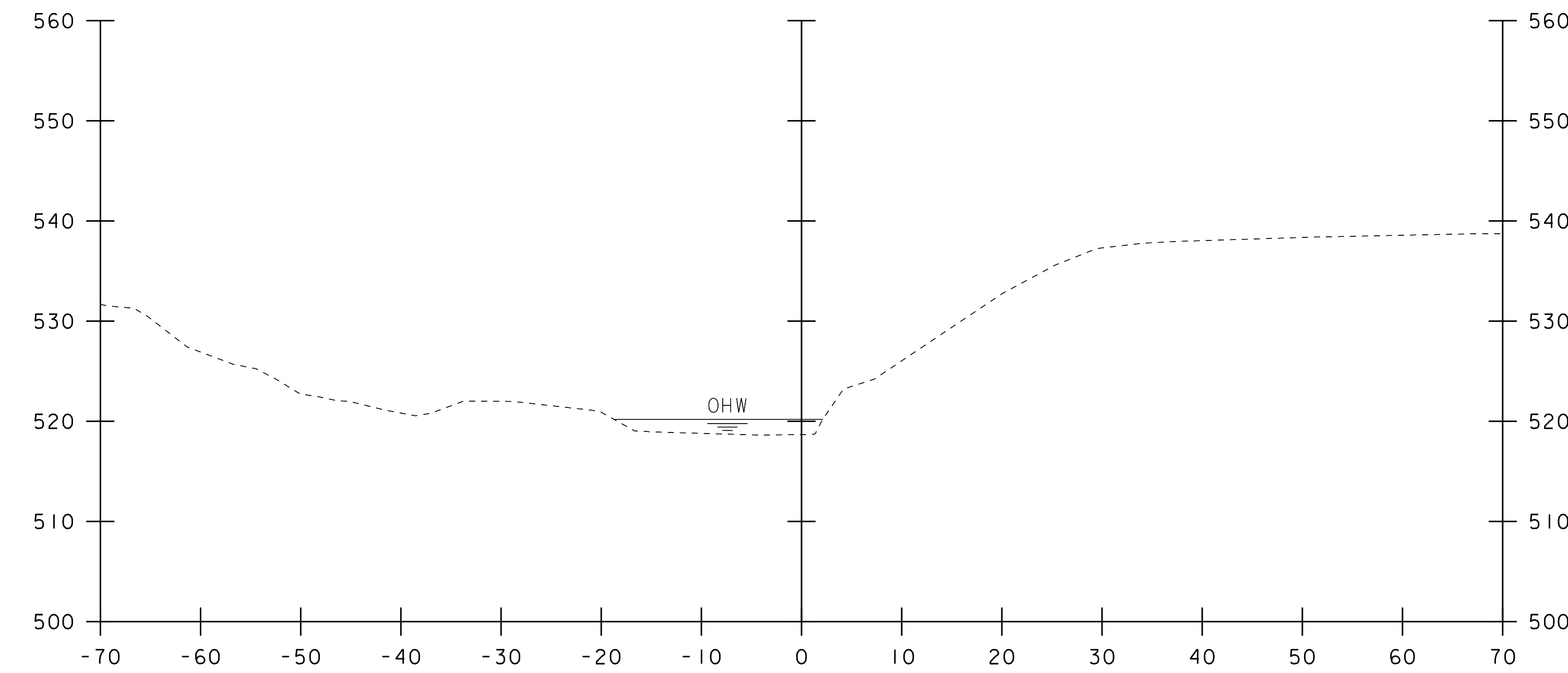
50+25



50+60



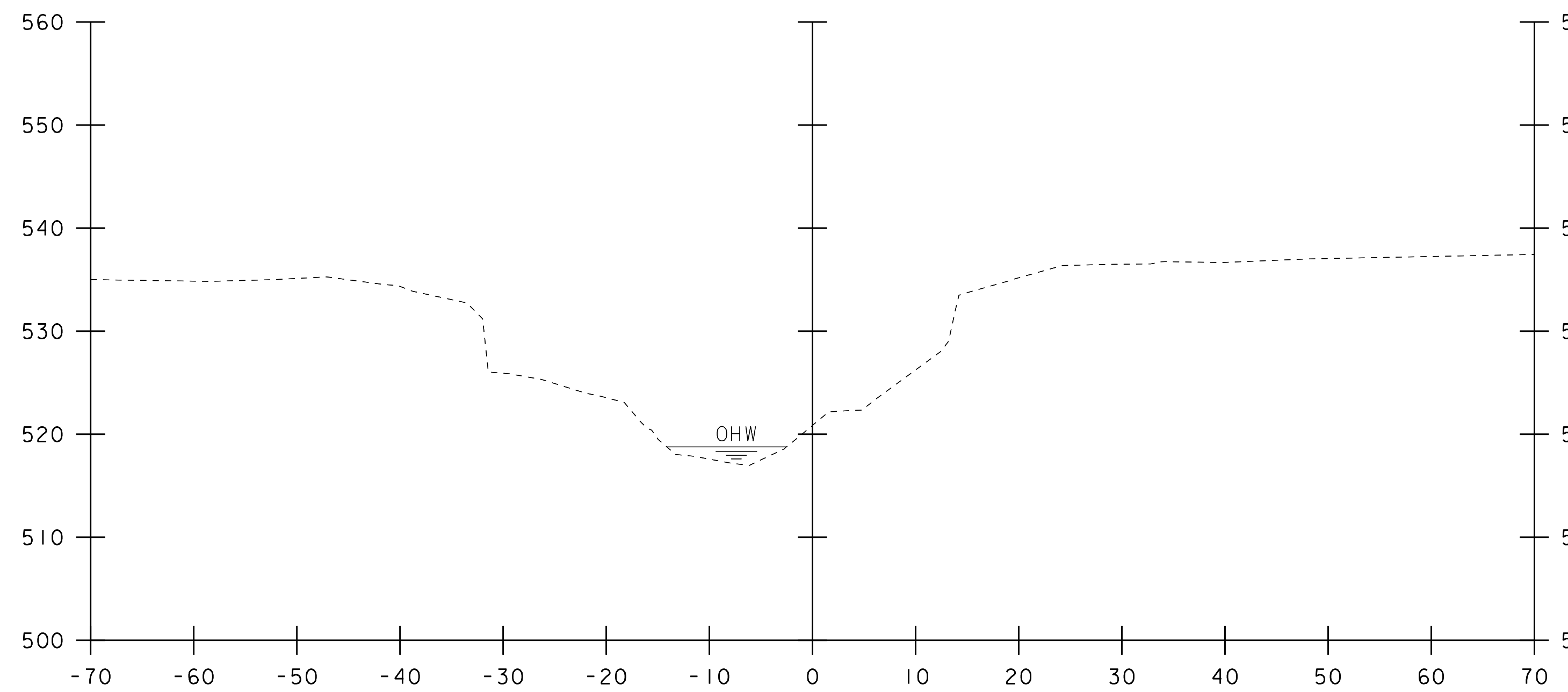
50+00



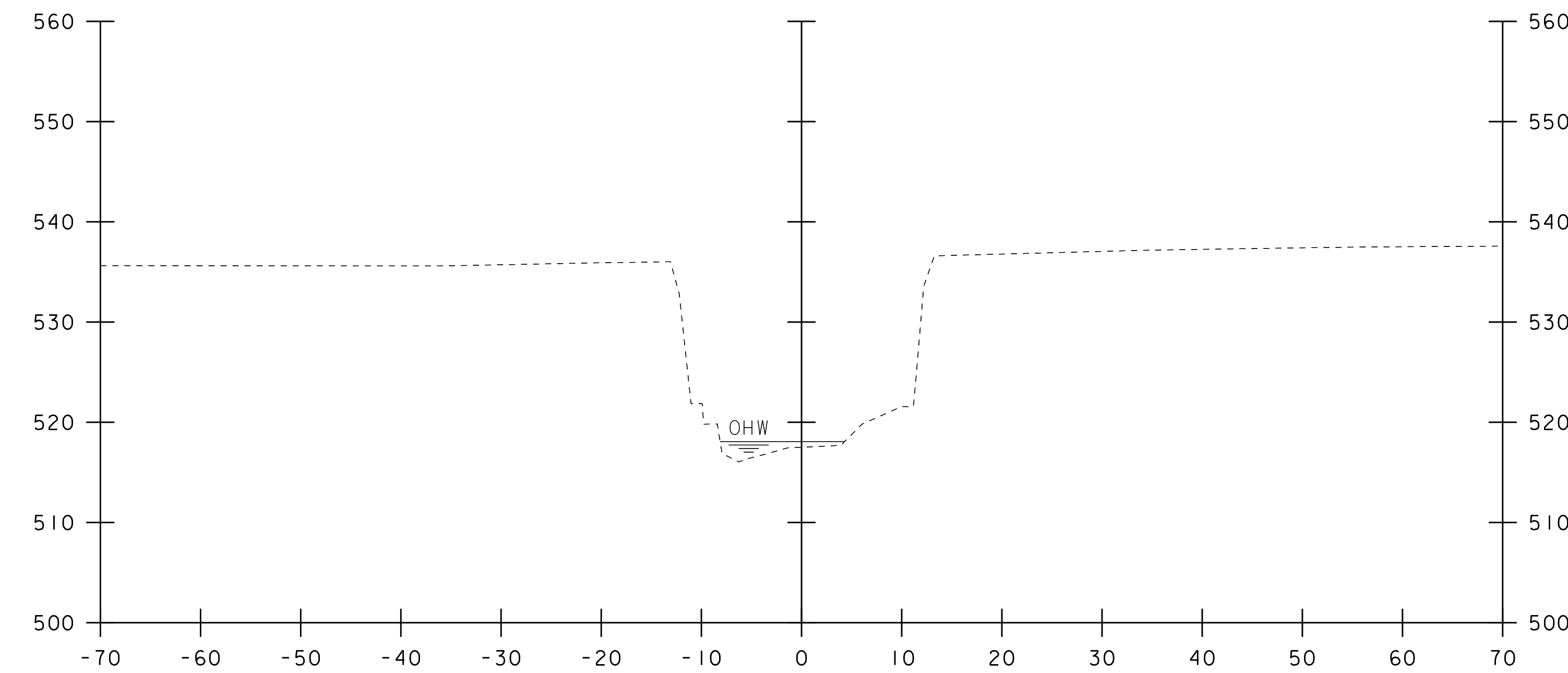
50+50

STA. 50+00 TO STA. 50+60

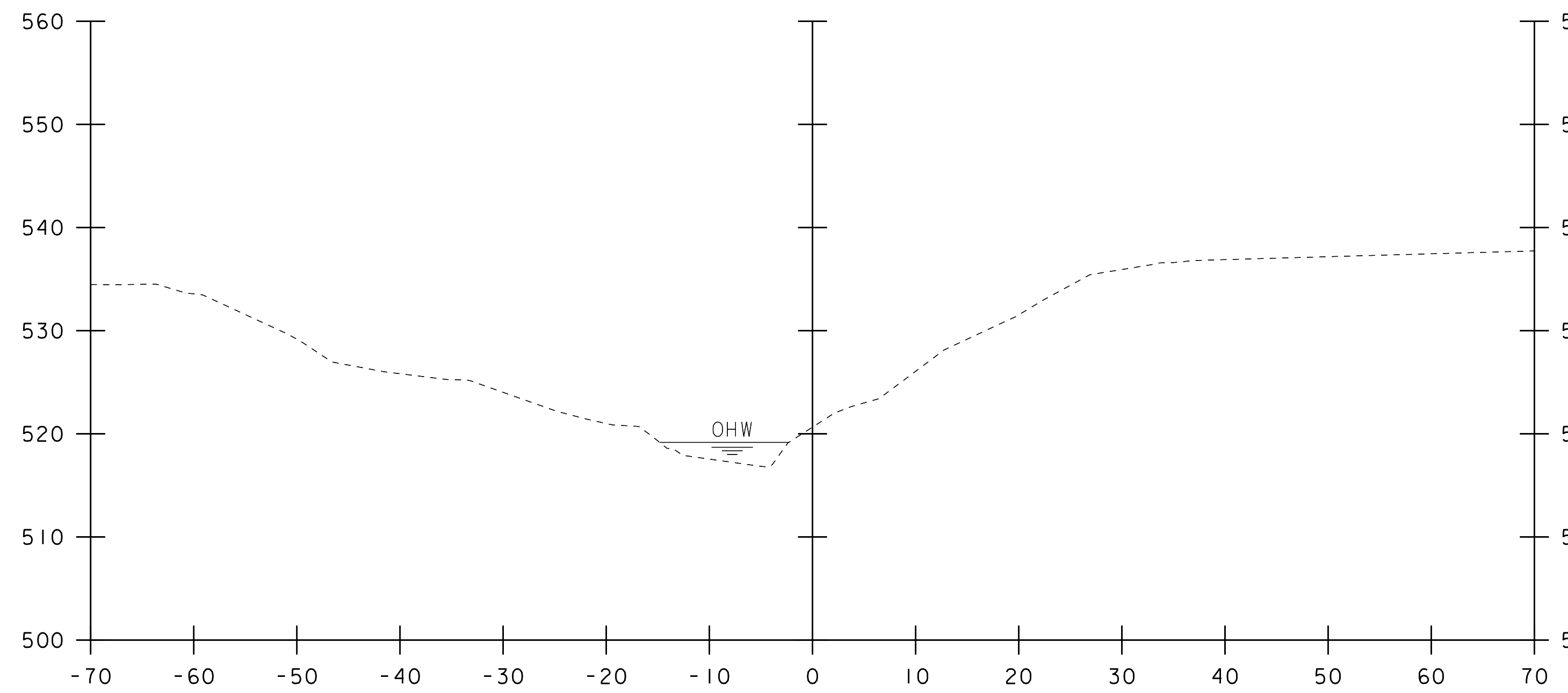
PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(I2)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
CHANNEL CROSS SECTIONS 1	SHEET 15 OF 20



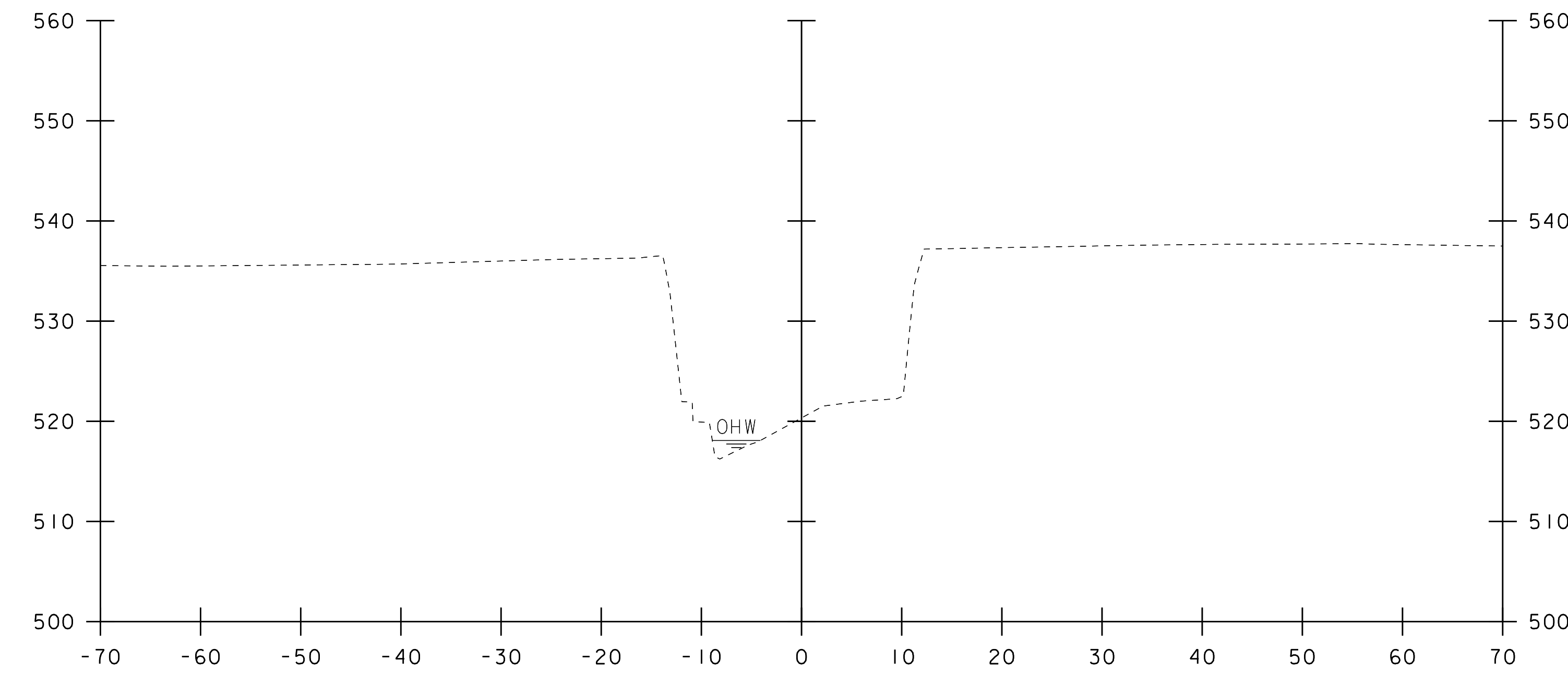
50+80



51+00



50+70

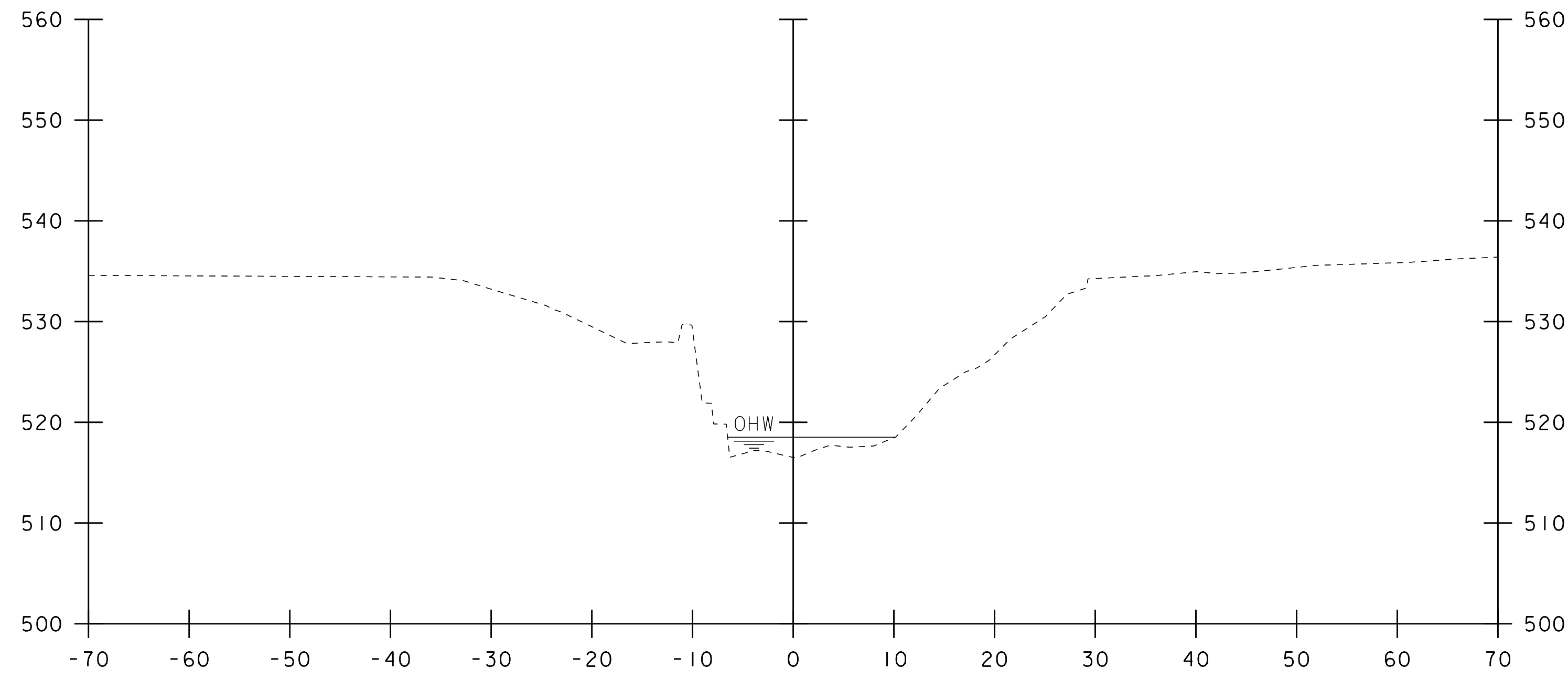


50+90

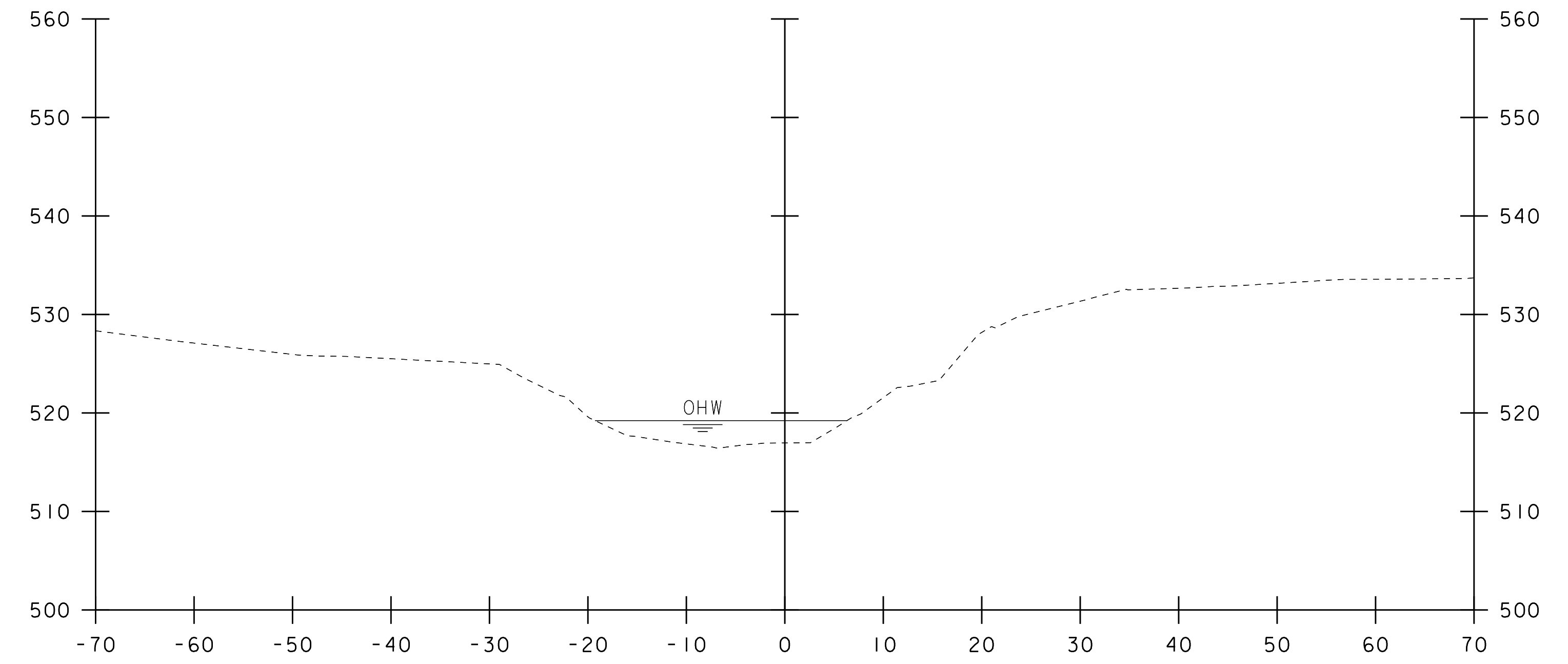
STA. 50+70 TO STA. 51+00

PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(12)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
CHANNEL CROSS SECTIONS 2	SHEET 16 OF 20

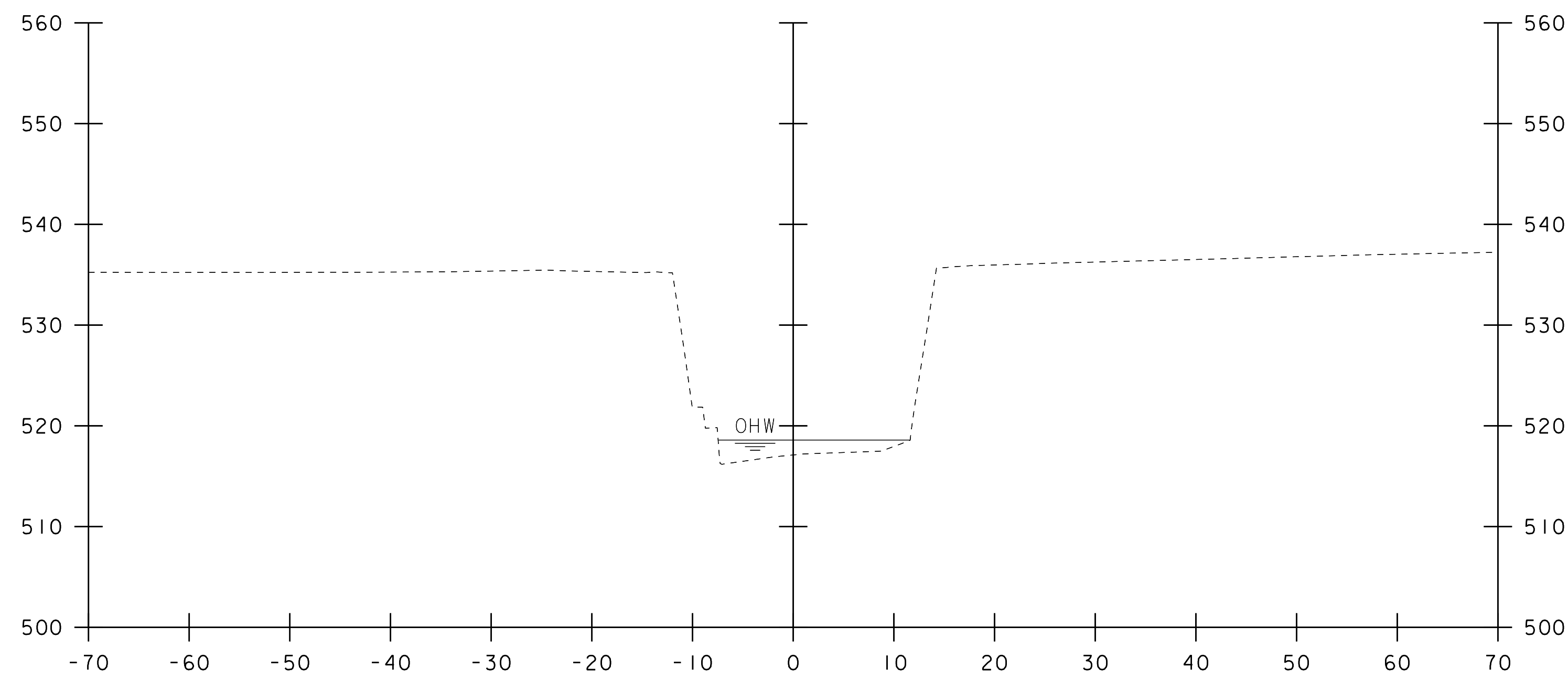




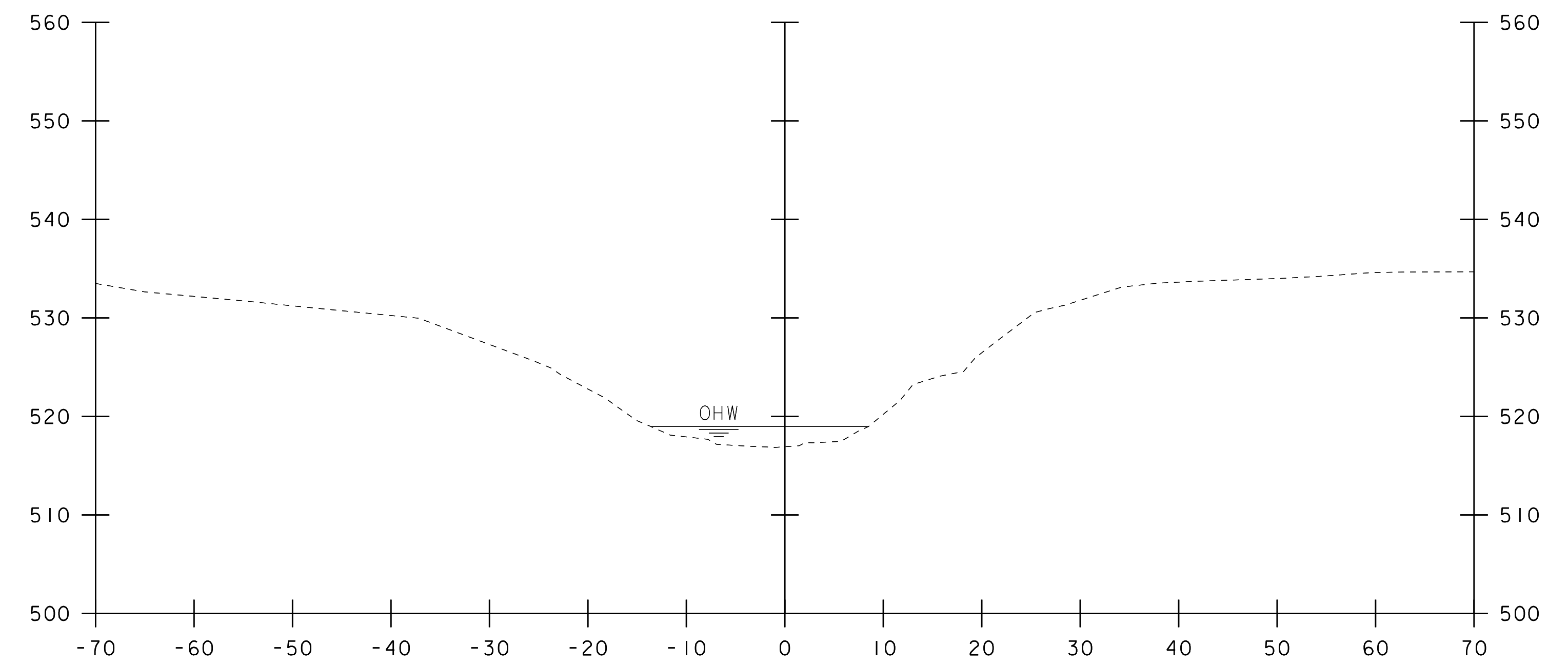
51+20



51+40



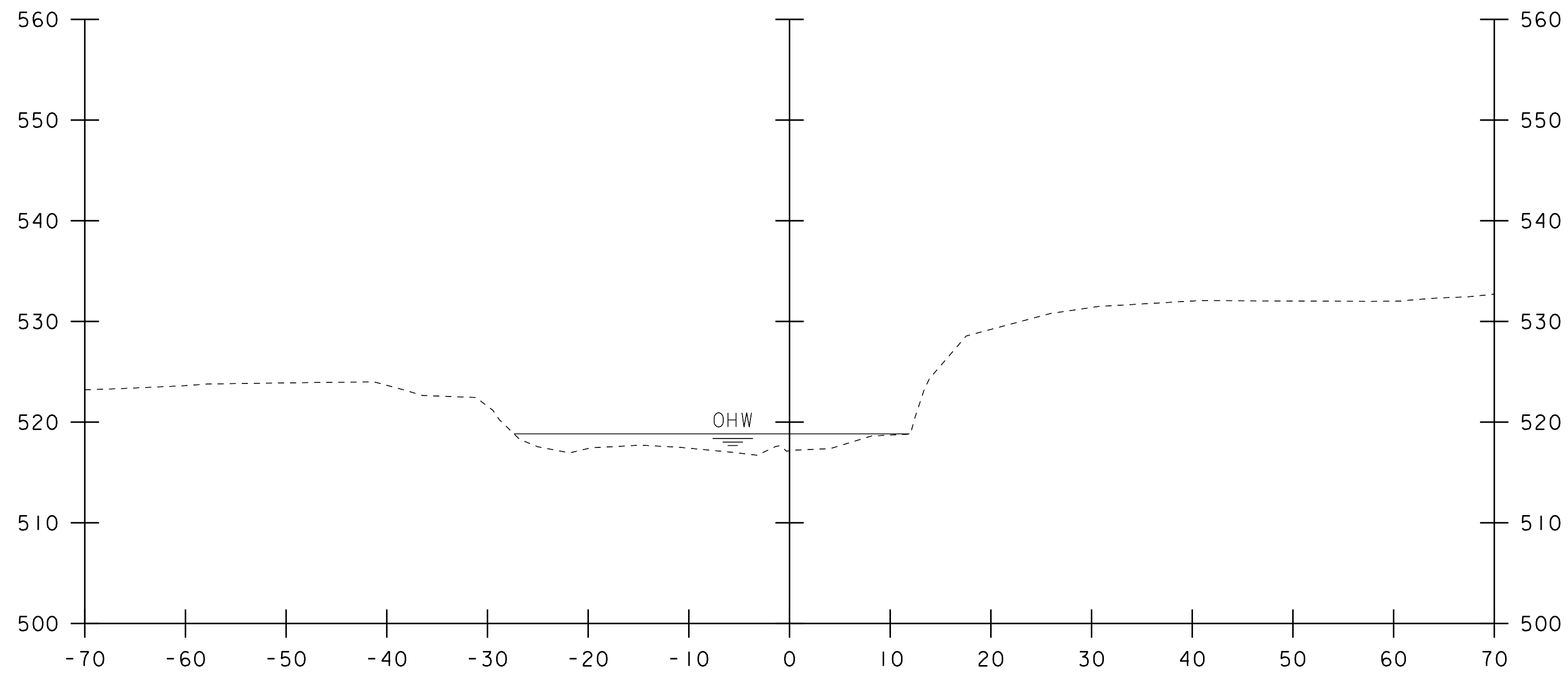
51+10



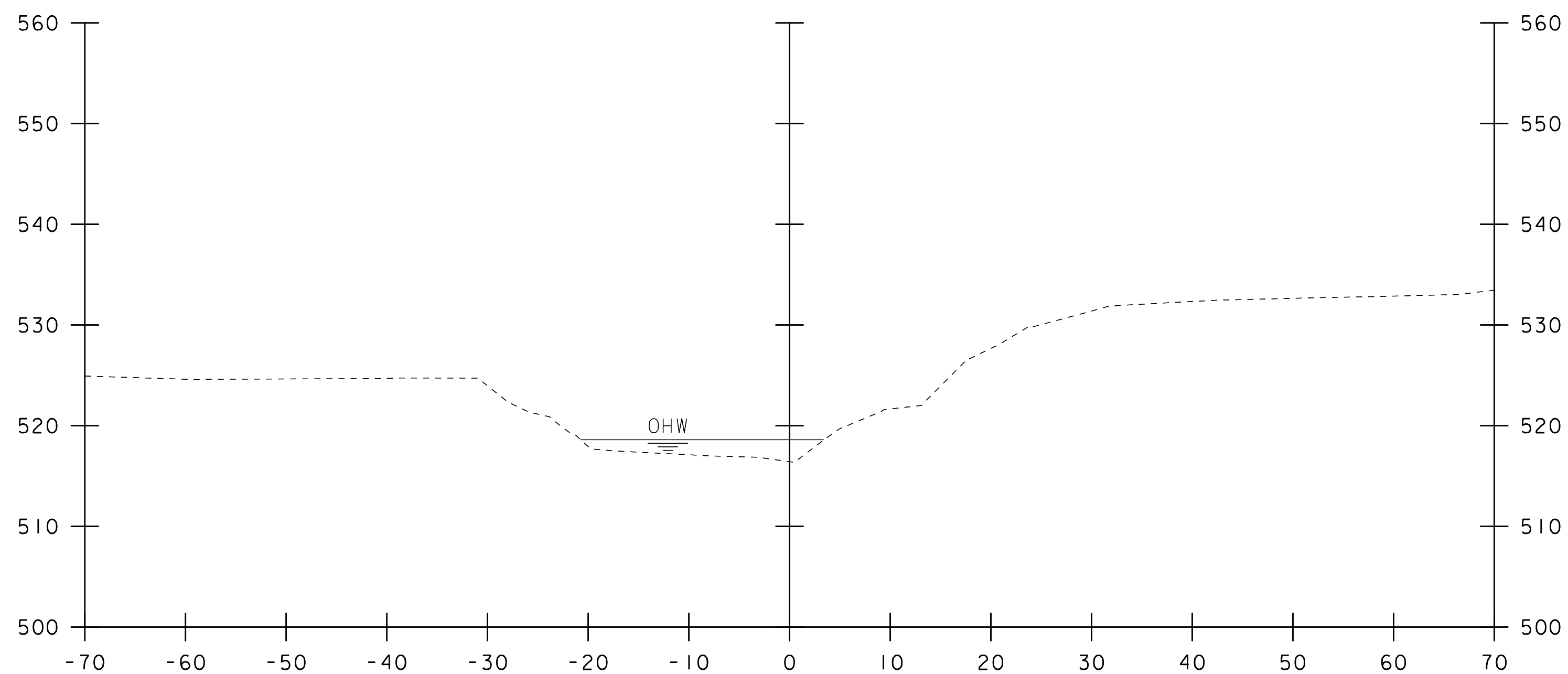
51+30

STA. 51+10 TO STA. 51+40

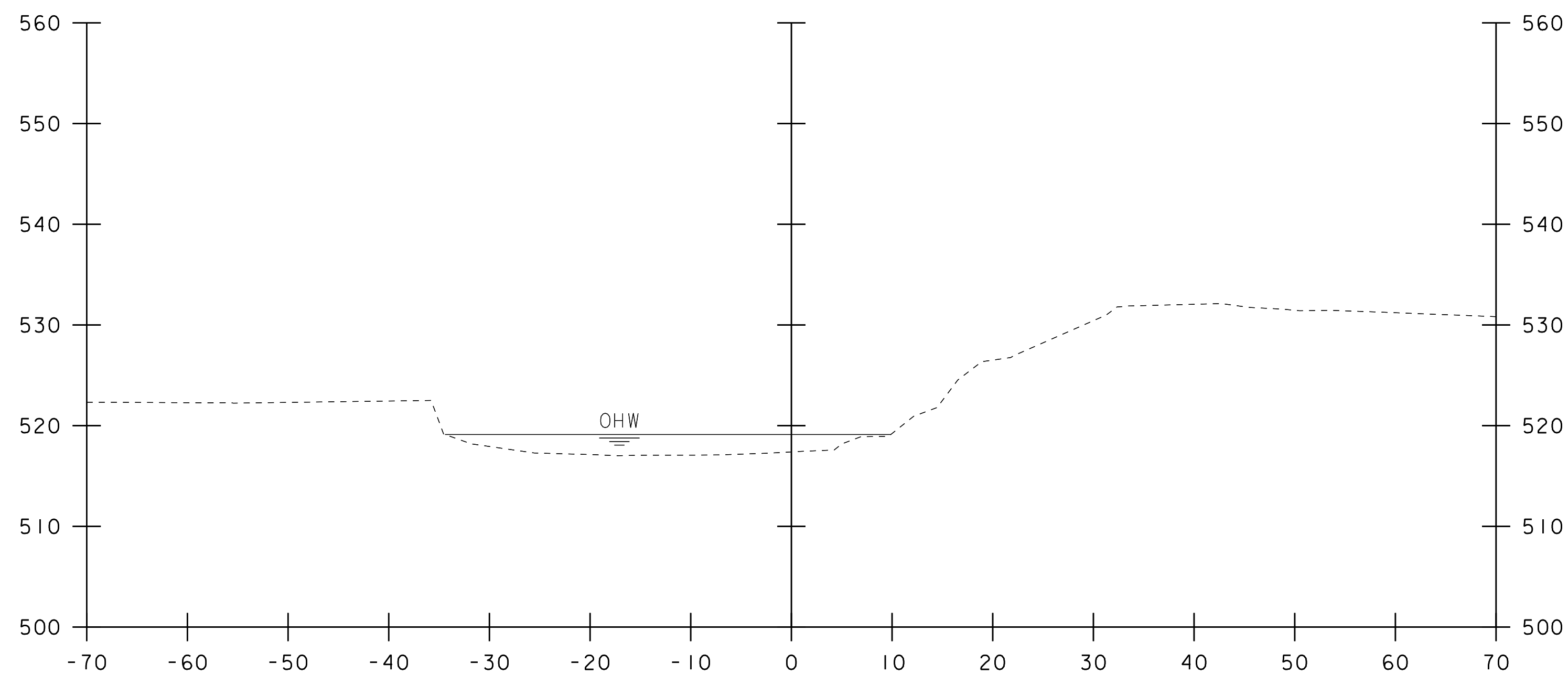
PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(12)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: T. MATTHEWS
DESIGNED BY: T. MATTHEWS	CHECKED BY: -----
CHANNEL CROSS SECTIONS 3	SHEET 17 OF 20



51+75



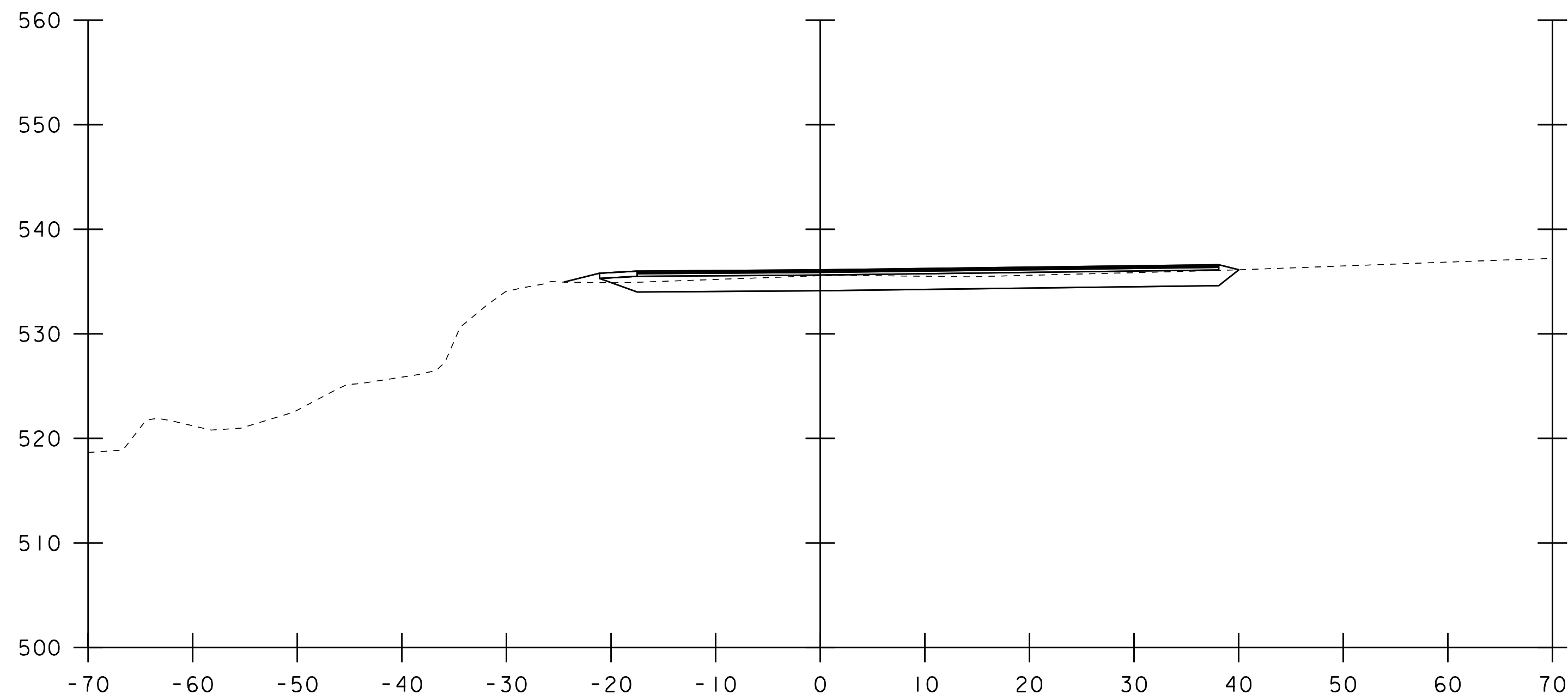
51+50



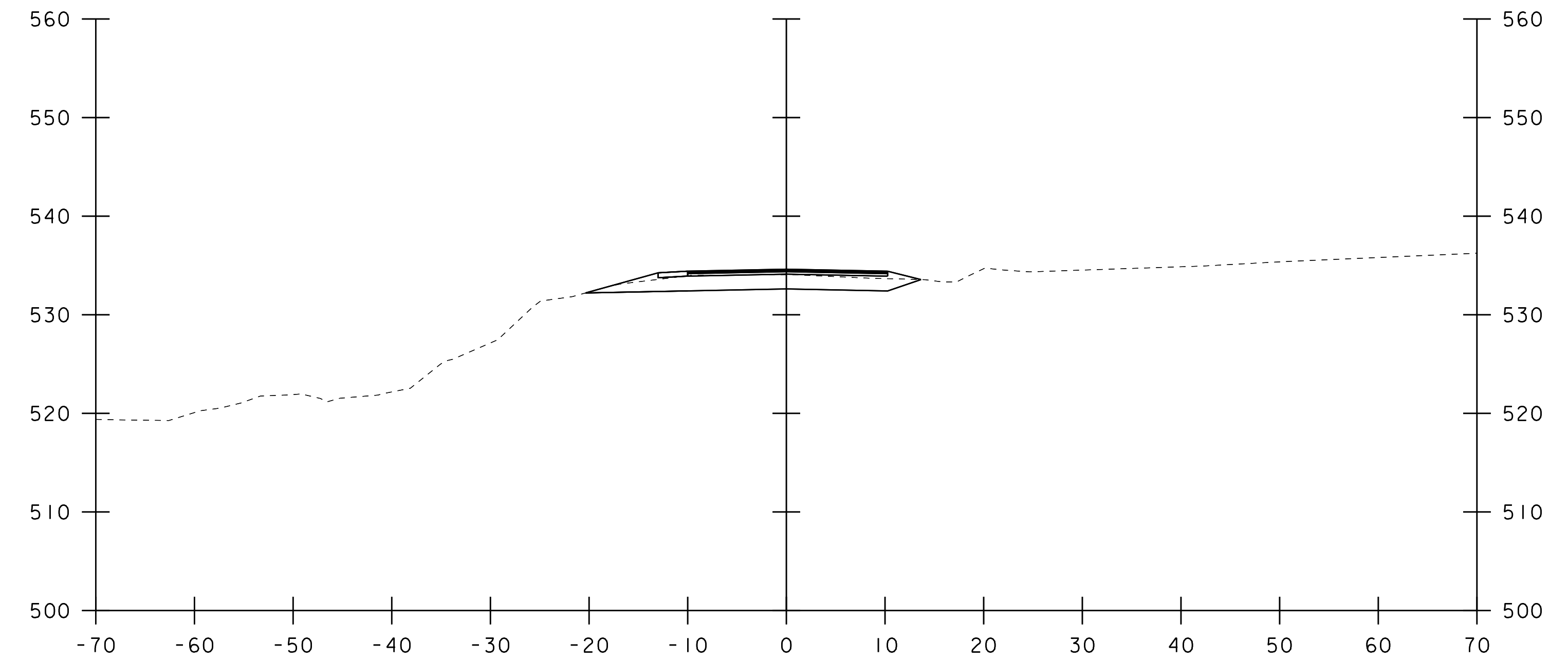
52+00

STA. 51+50 TO STA. 52+00

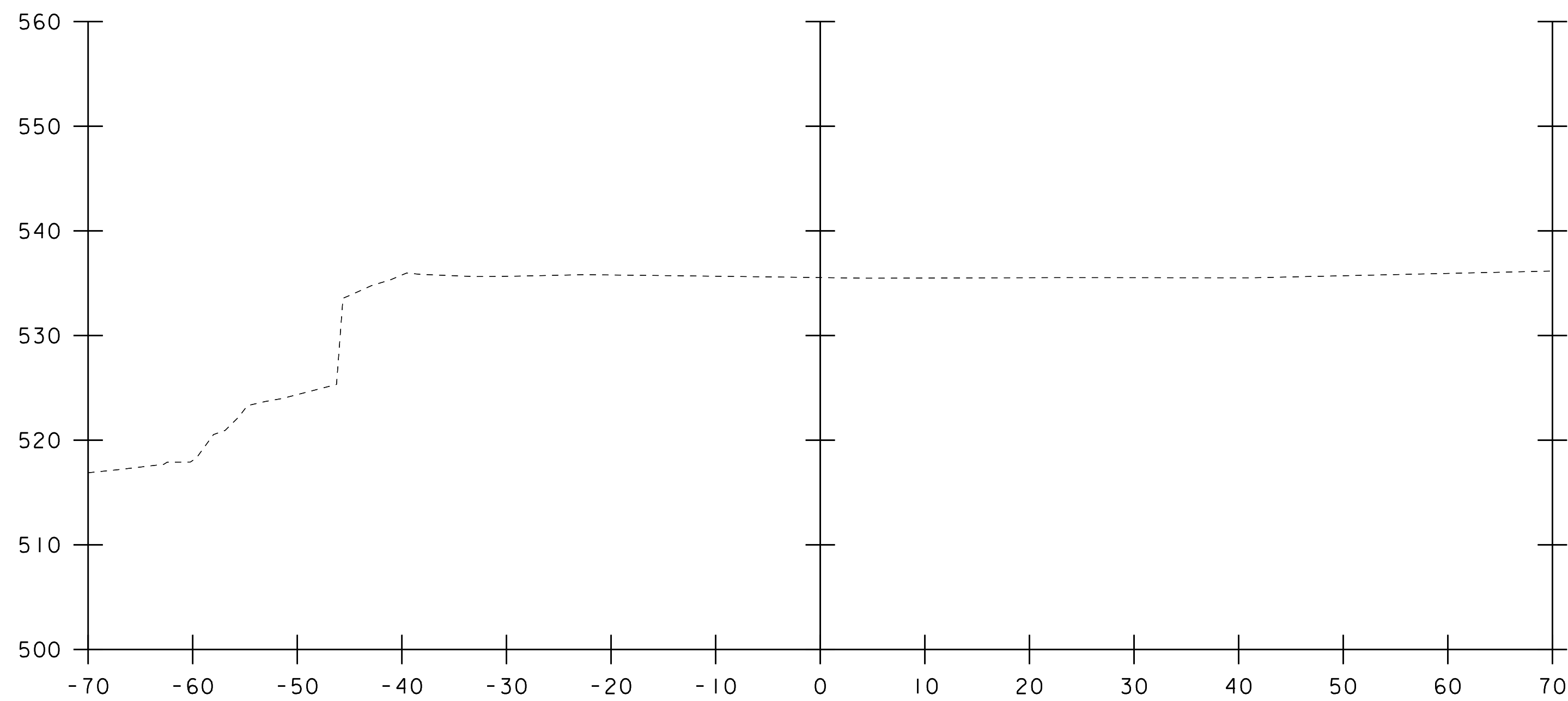
PROJECT NAME:	POULTNEY	PLOT DATE:	14-DEC-2015
PROJECT NUMBER:	BF 0138(12)	DRAWN BY:	T. MATTHEWS
FILE NAME:	s13j276xs.dgn	DESIGNED BY:	T. MATTHEWS
PROJECT LEADER:	R. YOUNG	CHECKED BY:	-----
CHANNEL CROSS SECTIONS	4	SHEET	18 OF 20



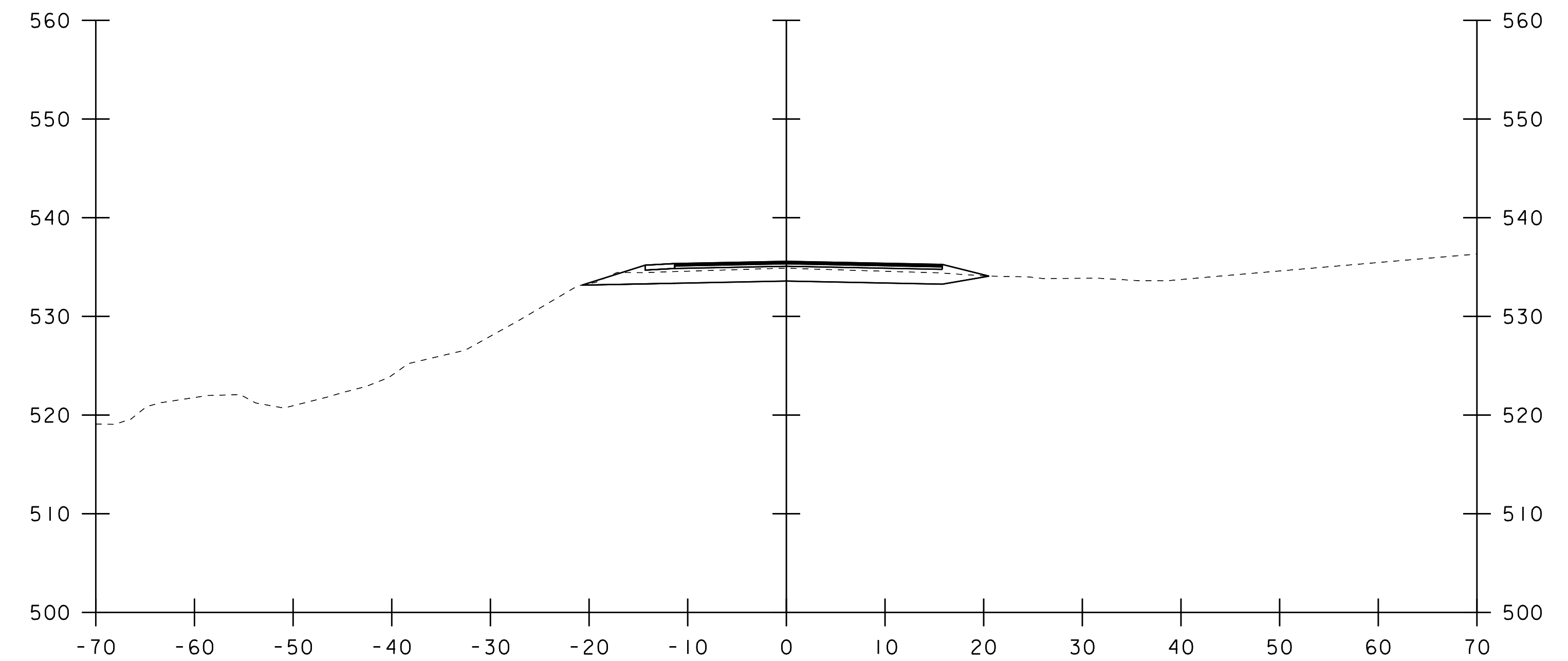
10+20



10+50



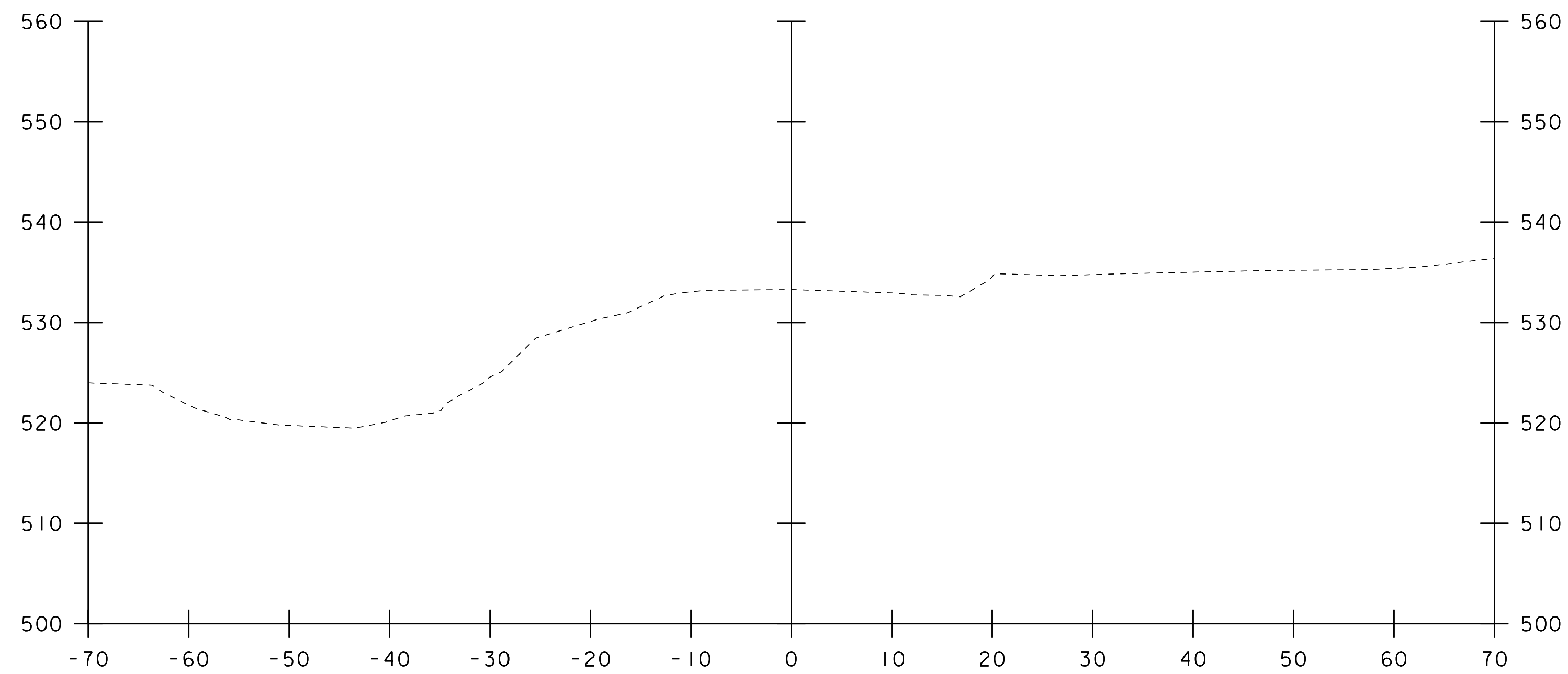
10+05



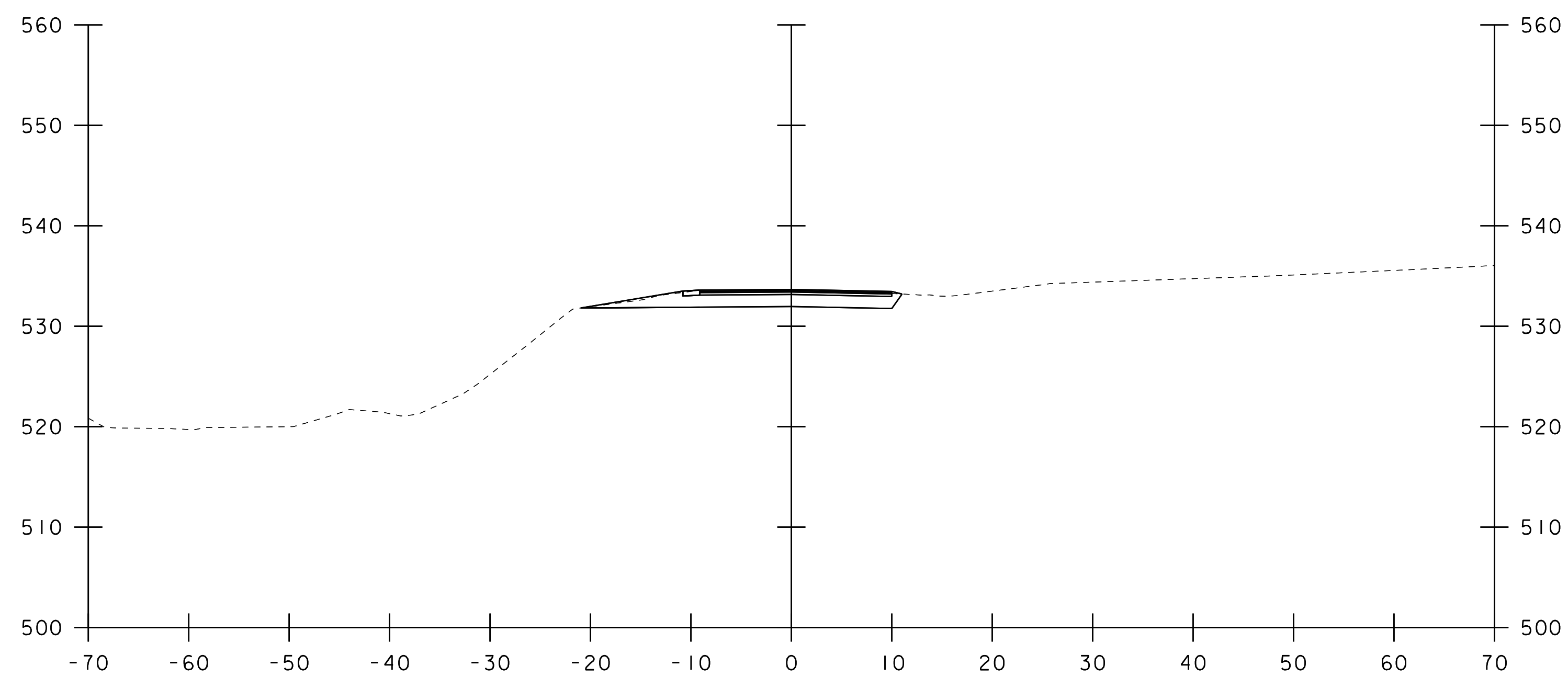
10+35

STA. 10+05 TO STA. 10+50

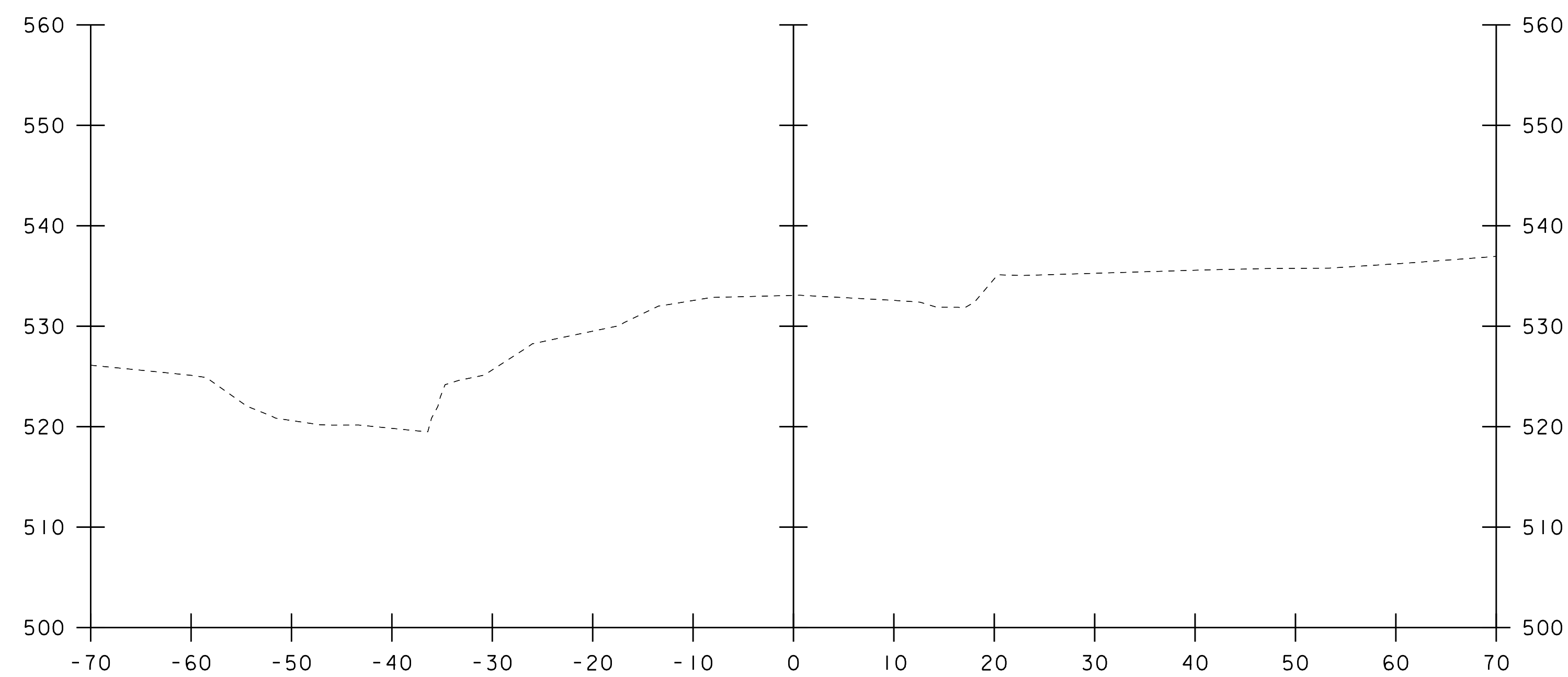
PROJECT NAME: VAOT PROJECT NAME	
PROJECT NUMBER: BF 0138(I2)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: S. COLEY
DESIGNED BY: T. MATHEWS	CHECKED BY: -----
TH 9 CROSS SECTION I	SHEET 19 OF 20



10+80



10+65



10+95

STA. 10+65 TO STA. 10+95

PROJECT NAME: POULTNEY	
PROJECT NUMBER: BF 0138(12)	
FILE NAME: s13j276xs.dgn	PLOT DATE: 14-DEC-2015
PROJECT LEADER: R. YOUNG	DRAWN BY: S. COLEY
DESIGNED BY: T. MATHEWS	CHECKED BY: -----
TH 9 CROSS SECTION 2	SHEET 20 OF 20