

INDEX OF SHEETS
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STATE OF VERMONT AGENCY OF TRANSPORTATION

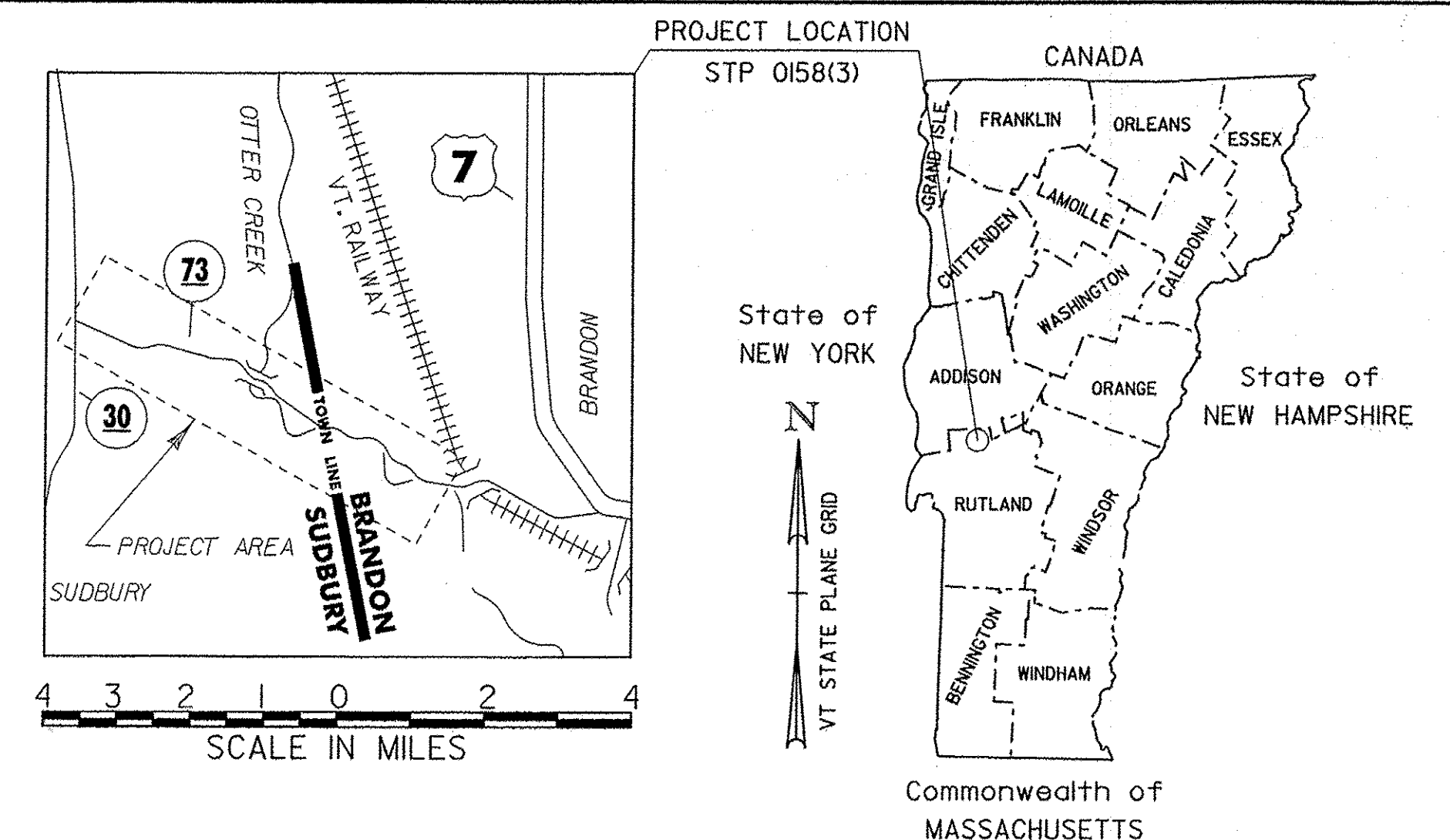


PROPOSED IMPROVEMENT TOWNS OF SUDBURY AND BRANDON COUNTY OF RUTLAND VT ROUTE 73 (MAJOR COLLECTOR)

BEGINNING AT A POINT AT THE INTERSECTION OF VT ROUTE 73 AND VT ROUTE 30, IN THE TOWN
THE TOWN OF BRANDON AT APPROXIMATELY STATION 87+25 (MM 1.652).

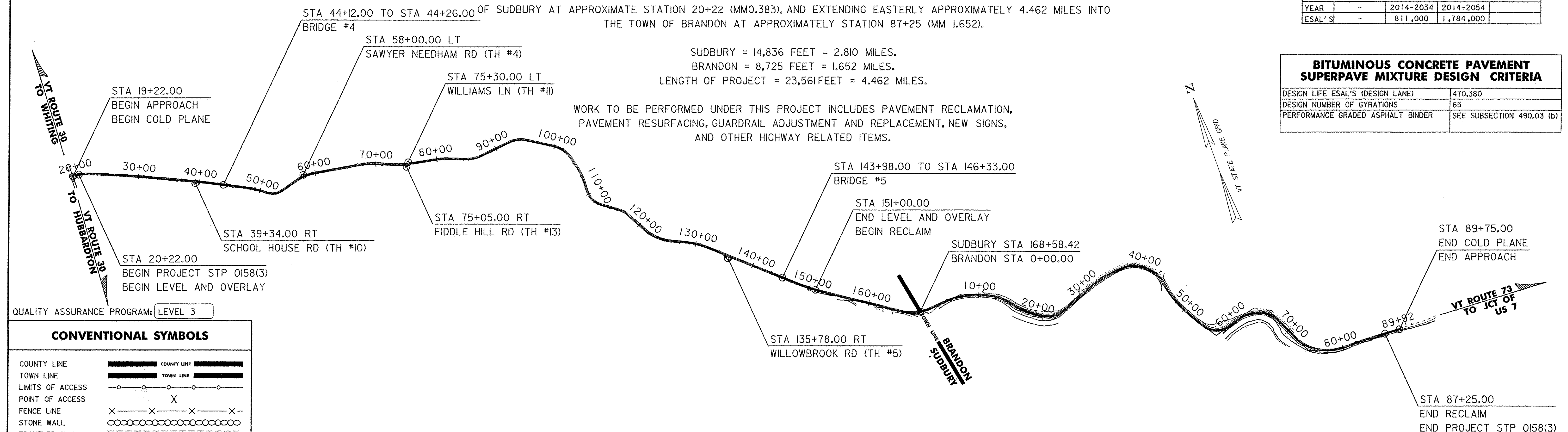
SUDBURY = 14,836 FEET = 2.810 MILES.
BRANDON = 8,725 FEET = 1.652 MILES.
LENGTH OF PROJECT = 23,561 FEET = 4.462 MILES.

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES PAVEMENT RECLAMATION,
PAVEMENT RESURFACING, GUARDRAIL ADJUSTMENT AND REPLACEMENT, NEW SIGNS,
AND OTHER HIGHWAY RELATED ITEMS.



TRAFFIC DATA				
VT 73				
YEAR	2012	2032	2052	
ADT	1900	2000	-	
DHV	210	230	-	
ADTT	140	210	-	
%D	58	58	-	
ZT	7.4	10.4	-	
DESIGN SPEED	50 MPH			
YEAR	-	2014-2034	2014-2054	
ESAL'S	-	811,000	1,784,000	

BITUMINOUS CONCRETE PAVEMENT SUPERPAVE MIXTURE DESIGN CRITERIA	
DESIGN LIFE ESAL'S (DESIGN LANE)	470,380
DESIGN NUMBER OF GYRATIONS	65
PERFORMANCE GRADED ASPHALT BINDER	SEE SUBSECTION 490.03 (b)



QUALITY ASSURANCE PROGRAM: LEVEL 3

CONVENTIONAL SYMBOLS

COUNTY LINE	COUNTY LINE
TOWN LINE	TOWN LINE
LIMITS OF ACCESS	LIMITS OF ACCESS
POINT OF ACCESS	POINT OF ACCESS
FENCE LINE	FENCE LINE
STONE WALL	STONE WALL
TRAVELED WAY	TRAVELED WAY
GUARD RAIL	GUARD RAIL
RAILROAD	RAILROAD
SURVEY LINE	SURVEY LINE
CULVERT	CULVERT
POWER POLE	POWER POLE
TELEPHONE POLE	TELEPHONE POLE
TREES	TREES
CONTROL OF ACCESS	CONTROL OF ACCESS
PROPERTY LINE	PROPERTY LINE
R.O.W. TAKING LINE	R.O.W. TAKING LINE
SLOPE RIGHTS	SLOPE RIGHTS
TOP OF CUT	TOP OF CUT
TOE OF SLOPE	TOE OF SLOPE

SURVEYED BY : L. Orvis P.C. & R. Bullock
SURVEYED DATE : 4/19/99

DATUM
VERTICAL NAVD-88
HORIZONTAL NAD-83 (96)

0 800 1600
SCALE IN FEET

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING
CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY
ADMINISTRATION OR THE DIRECTOR OF PROGRAM
DEVELOPMENT.
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.

DIRECTOR OF PROGRAM DEVELOPMENT
APPROVED: *[Signature]* DATE: 2-11-15
PROJECT MANAGER : K. UPMAL
PROJECT NAME : SUDBURY-BRANDON
PROJECT NUMBER : STP 0158 (3)
SHEET 1 OF 137 SHEETS

VAOT STANDARDS

E-100	CONSTRUCTION APPROACH SIGNS	01-02-2004
E-100A	SIDE ROAD CONSTRUCTION - APPROACH SIGNS	01-02-2004
E-101	CONSTRUCTION SIGN DETAILS	05-30-2003
E-102	CONSTRUCTION SIGN DETAILS	06-30-2003
E-106	TRAFFIC CONTROL- MISCELLANEOUS DETAILS	03-01-2004
E-107A	BREAKAWAY BARRICADE DETAILS	06-08-2009
E-108A	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS FOR PAVING	06-08-2009
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-1995
E-134	BRIDGE NUMBER PLAQUE	08-08-1995
E-138	MILE MARKER DETAILS - STATE & TOWN HIGHWAYS	05-30-2003
E-164	SQUARE STEEL SIGN POST	06-08-2009
E-191	PAVEMENT MARKING DETAILS	02-01-1999
E-193	PAVEMENT MARKING DETAILS	08-18-1995
E-198	DELINEATORS AND MILE POSTS	04-01-2005
G-1	STEEL BEAM GUARDRAIL DETAILS (POST, DELINEATOR, TYPICALS)	01-03-2000
G-1D	STEEL BEAM GUARDRAIL DETAILS (END TERMINAL, ANCHOR, MEDIAN)	01-03-2000
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11-15-2002

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	STRUCTURES DETAIL SHEET
	SD-516.10 BRIDGE JOINT ASPHALTIC PLUG

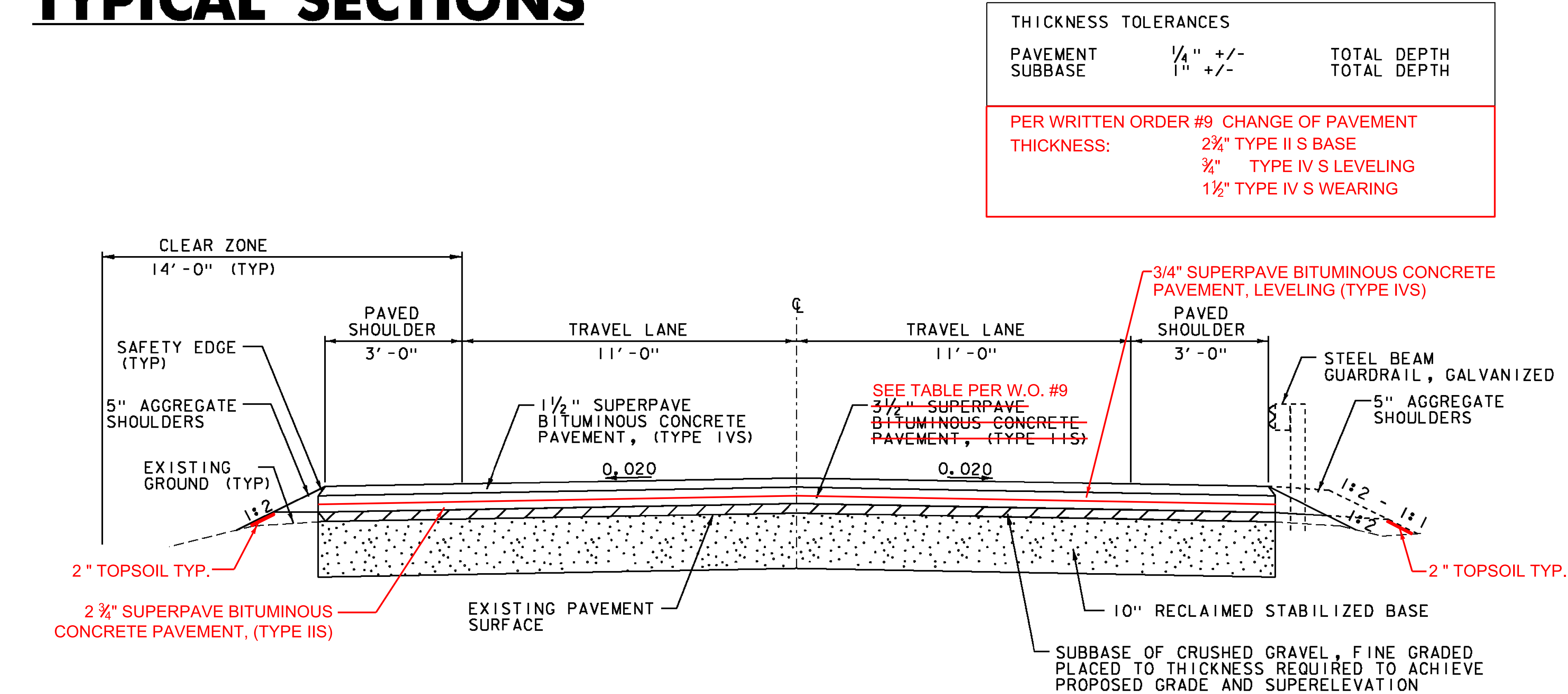
PROJECT NAME: SUDBURY-BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: B. KIPP
INDEX OF SHEETS AND VAOT STANDARDS	SHEET 2 OF 137

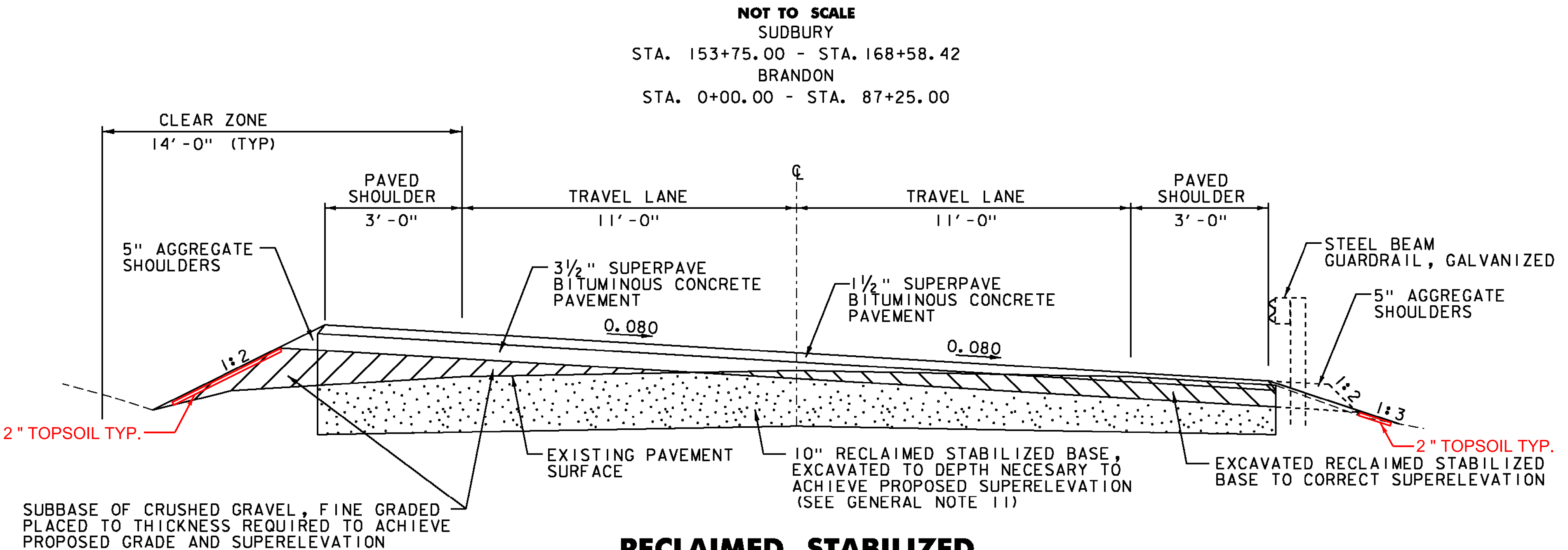
GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION PRACTICES SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION'S 2011 STANDARD SPECIFICATIONS FOR CONSTRUCTION AND IT'S LATEST REVISIONS.
2. THE WEARING AND LEVELING COURSE FOR THE LEVEL AND OVERLAY SECTION, SUDBURY, STA 19+22 TO SUDBURY, STA 151+00, SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT. THE WEARING COURSE FOR THE RECLAIMED STABILIZED BASE SECTION, SUDBURY, STA 151+00 TO BRANDON, STA 89+75, SHALL BE TYPE IVS SUPERPAVE BITUMINOUS CONCRETE PAVEMENT AND THE BASE COURSE FOR THE RECLAIMED STABILIZED BASE SECTION SHALL BE TYPE IIS. ALL ASPHALT CEMENT USED IN THE SUPERPAVE BITUMINOUS CONCRETE PAVEMENT SHALL BE AS SPECIFIED IN SUBSECTION 490.03 (b).
3. COLD PLANED SURFACES SHALL HAVE SURFACE PREPARATION BEFORE THE LEVELING COURSE IS PLACED. SURFACE PREPARATION SHALL CONSIST OF POT HOLE PATCHING AND PATCHING OF ALL LARGE CRACKS THAT ARE AT LEAST ONE INCH IN WIDTH. REFER TO SHEET 5 FOR POT HOLE REPAIR DETAIL. PAYMENT WILL BE UNDER ITEM 900.680 "SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)". COLD PLANED SURFACES SHALL HAVE AN EMULSIFIED ASPHALT TACK COAT APPLICATION RATE OF 0.08 GAL/SQ. YD. EMULSIFIED ASPHALT TACK COAT APPLICATION RATE ON ALL OTHER PAVED SURFACES SHALL BE 0.025 TO 0.040 GAL/SQ. YD. PAYMENT FOR ALL EMULSIFIED ASPHALT WILL BE MADE UNDER ITEM 900.683 SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)
4. AN ESTIMATED QUANTITY FOR ITEM 619.17 "YIELDING MARKER POSTS" HAS BEEN INCLUDED TO DELINEATE PIPE INLETS, PIPE OUTLETS AND DROP INLETS LOCATED OUTSIDE THE PAVEMENT SURFACES OR AS DIRECTED BY THE ENGINEER.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF THE EXISTING FEATURES AND STRUCTURES WITHIN AND ADJACENT TO THE WORK. IN THE CASE OF DAMAGE, THE REPAIRS OR REPLACEMENT SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE AS APPROVED BY THE ENGINEER.
6. ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE WORK.
7. PRIOR TO RECLAIMING IN THE RECLAIM SECTION, OR THE PAVING OF THE LEVELING COURSE, IN THE LEVEL AND OVERLAY SECTION, ANY EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE ENGINEER SHALL BE EXCAVATED TO THE DEPTH OF RECLAIMING OR AS DIRECTED BY THE ENGINEER IN THE RECLAIM SECTION, AND TO A DEPTH OF THREE INCHES OR AS DIRECTED BY THE ENGINEER IN THE LEVEL AND OVERLAY SECTION. EXCAVATED MATERIAL WILL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR USING THE APPROPRIATE RENTAL ITEMS. THE METHOD OF REMOVAL AND THE USE OF RENTAL ITEMS SHALL BE APPROVED BY THE ENGINEER PRIOR TO ANY WORK BEING DONE. MATERIAL REMOVAL SHALL BE REPLACED WITH ITEM 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED". AN ADDITIONAL QUANTITY OF 301.28 "SUBBASE OF CRUSHED GRAVEL, FINE GRADED" HAS BEEN INCLUDED TO CORRECT SUPERELEVATION AND GRADE DEFICIENCIES WITHIN THE RECLAIMED SECTION.
8. ALL PAVED AND GRAVEL DRIVES SHALL RECEIVE A PAVED APRON OF FOUR FEET AND ALL FIELD DRIVES SHALL RECEIVE A TWO FOOT PAVED APRON UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. ANY AND ALL REQUIRED MATERIAL AND EXCAVATION IN DRIVE AREAS SHALL BE INCIDENTAL TO ITEM 900.675 "SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)". THE NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 900.675, "SPECIAL PROVISION (HAND PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)". ALL OTHER BITUMINOUS MATERIALS PLACED WITHIN THE PROJECT LIMITS WHETHER BY HAND OR MECHANICAL METHODS SHALL BE PAID AS ITEM 490.30 SUPERPAVE BITUMINOUS CONCRETE PAVEMENT.
9. 3'-7" OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH SIX FOOT POSTS. IF THIS CAN NOT BE OBTAINED THEN EIGHT FOOT POSTS SHALL BE USED. PAYMENT WILL BE UNDER ITEM 621.20 "STEEL BEAM GUARDRAIL, GALVANIZED" AND ITEM 621.205 "STEEL BEAM GUARDRAIL, GALVANIZED W/8 FOOT POSTS". STEEL BEAM GUARDRAIL WITH STEEL POSTS SHALL BE USED ON THIS PROJECT.
10. ESTIMATED QUANTITIES OF ITEM 608.25, "ALL PURPOSE EXCAVATOR RENTAL, TYPE I", ITEM 608.15 "POWER GRADER RENTAL", ITEM 608.37, "TRUCK RENTAL", AND ITEM 608.40,"LOADER RENTAL, TYPE I" HAVE BEEN INCLUDED FOR THE PROVISION OF CONSTRUCTING GUARDRAIL END SECTIONS AND THE REMOVAL OF BUILT UP EXCESS SHOULDER MATERIAL. AN ESTIMATED QUANTITY OF ITEM 203.30, "EARTH BORROW" HAS BEEN INCLUDED FOR USE WITH THE GUARDRAIL END SECTIONS.25 CY OF ITEM 203.30, "EARTH BORROW" HAS BEEN ESTIMATED FOR EACH NEW END SECTION. GUARDRAIL END SECTIONS SHALL BE CAPPED WITH AN ESTIMATED THREE INCH DEPTH OF ITEM 402.12, "AGGREGATE SHOULDERS" UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ITEM 653.20, "TEMPORARY EROSION MATTING" SHALL BE PLACED ON SLOPES GREATER THAN 1:4 UNLESS DIRECTED BY THE ENGINEER. PRIOR TO THE PLACEMENT OF TEMPORARY EROSION MATTING, THE AREA SHALL BE TOPSOILED, SEEDED, FERTILIZED AND MULCHED USING ITEM 651.35, "TOPSOIL", ITEM 651.15, "SEED", ITEM 651.18, FERTILIZER", ITEM 651.20 "AGRICULTURAL LIMESTONE", AND ITEM 651.25 "HAY MULCH".
11. IN SOME LOCATIONS EXCAVATION OF THE RECLAIMED MATERIAL MAY BE NECESSARY TO ACHIEVE THE PROPOSED SUPERELEVATION, THIS EXCAVATION, UP TO FIVE INCHES DEEP, SHALL BE INCIDENTAL TO ITEM 310.20 "RECLAIMED STABILIZED BASE".
12. DAMAGE TO ANY DI'S, CROSS-CULVERTS OR OTHER DRAINAGE FEATURES SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
13. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.

TYPICAL SECTIONS



RECLAIMED STABILIZED TYPICAL SECTION



RECLAIMED STABILIZED MAX BANK TYPICAL SECTION

NOT TO SCALE

SUDBURY

STA. 165+82.00 - STA. 168+58.42

BRANDON

STA. 0+00.00 - STA. 1+03.00

STA. 21+19.00 - STA. 24+58.00

STA. 54+99.00 - STA. 57+53.00

STA. 61+53.00 - STA. 67+44.00

STA. 71+94.00 - STA. 77+02.00

PROJECT NAME:	SUDBURY-BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204_typ.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
TYPICAL SECTION SHEET	1
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	A. KEMPTON
SHEET	3 OF 137

TYPICAL SECTIONS

SEEDING FORMULA

RATE: DOUBLE IF HYDROSEEDING

% WT.	LBS./A.	NAME	PUR %	GERM %
38	32	CREeping RED FESCUE	98	90
29	24	SPARTAN HARD FESCUE	95	85
15	12	AZAY SHEEP'S FESCUE	95	87
15	12	ANNUAL RYE GRASS	95	90
3	--	INERTS	--	--
100.0	80 LB/A			

GENERAL NOTES

SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.

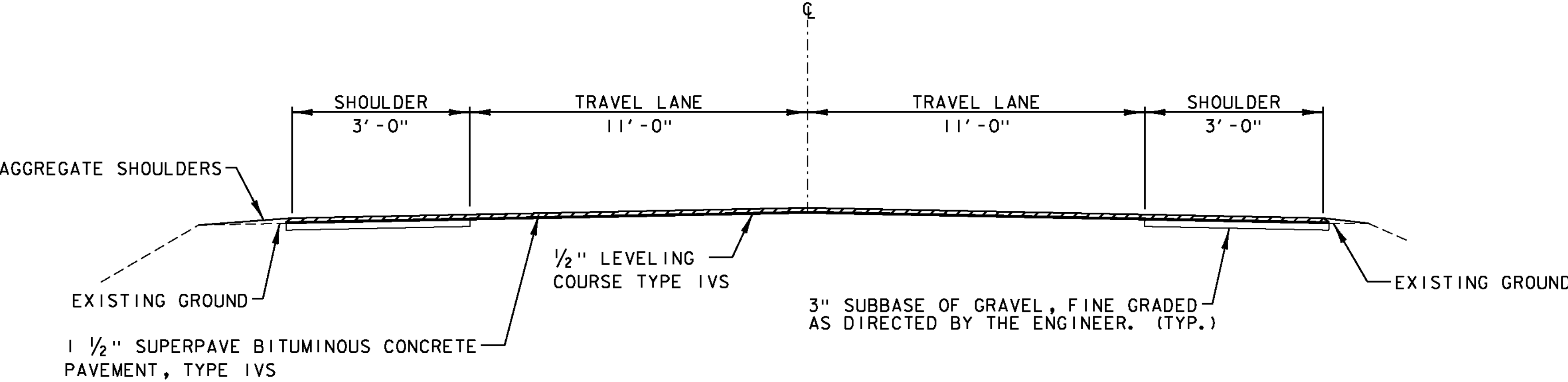
SEED ITEM 651.15: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER ITEM 651.18: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE ITEM 651.20: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

HAY MULCH ITEM 651.25: TO BE PLACED ON THE EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.

TOPSOIL ITEM 651.35: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.



LEVEL AND OVERLAY
TYPICAL SECTION

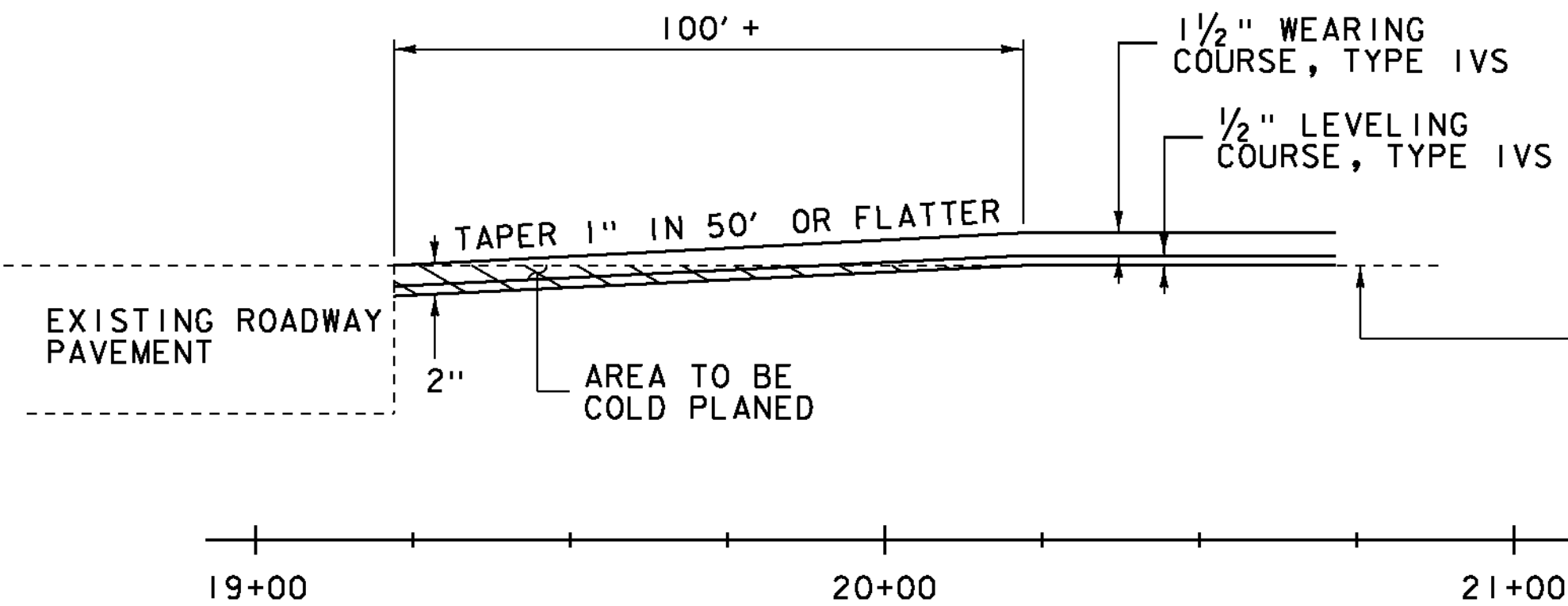
NOT TO SCALE

SUDBURY

STA. 20+22.00 - STA. 43+12.00

STA. 45+26.00 - STA. 142+98.00

STA. 147+33.00 - STA. 151+00.00

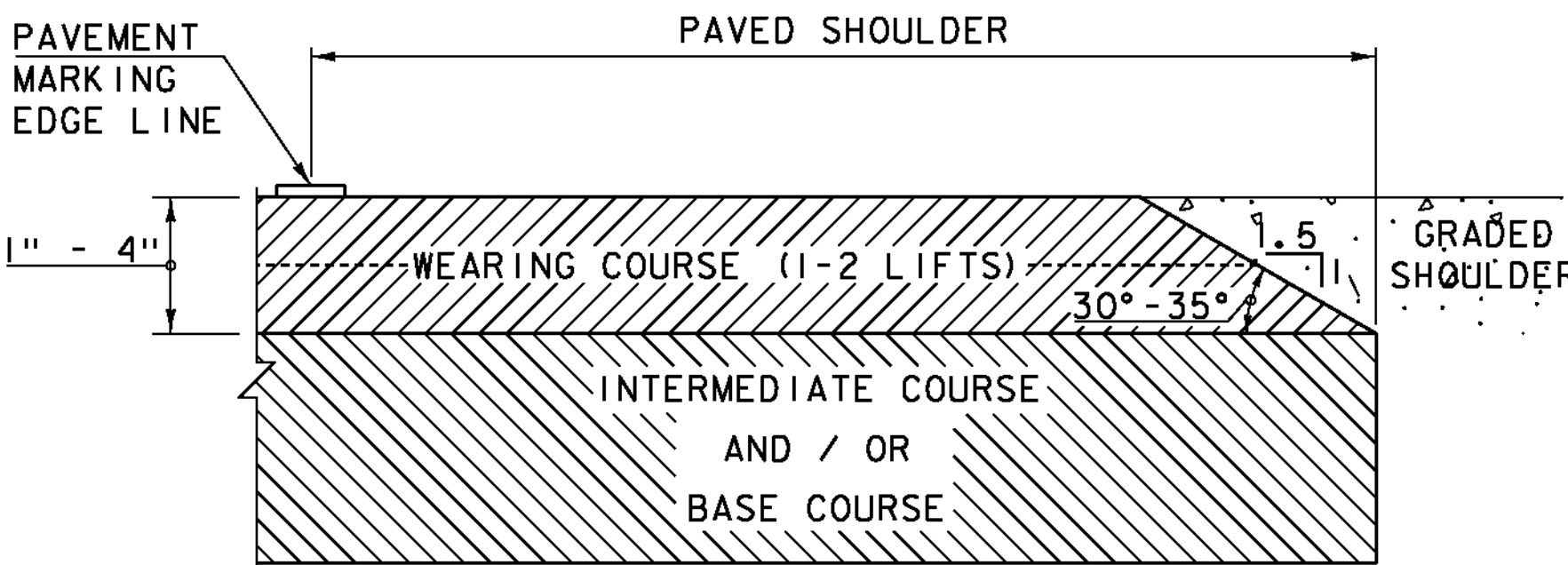


BEGIN APPROACH
TRANSITION DETAIL

NOT TO SCALE

SUDBURY

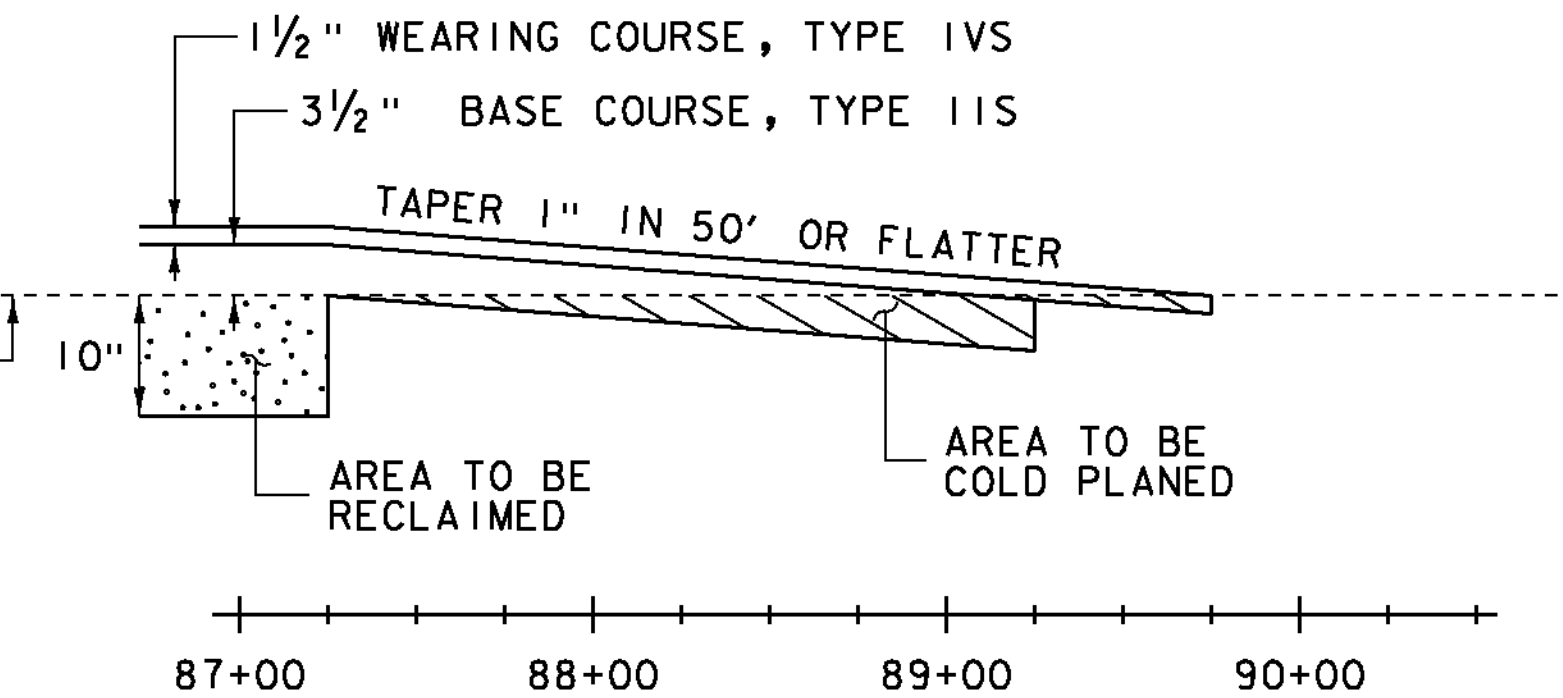
STA. 19+22.00 - STA. 20+22.00



SAFETY EDGE DETAIL

NOT TO SCALE

NOTE: LEVELING COURSE MAY INCLUDE THE "SAFETY EDGE" AT THE CONTRACTOR'S CHOICE.



END APPROACH
TRANSITION DETAIL

NOT TO SCALE

BRANDON

STA. 87+25.00 - STA. 89+75.00

PROJECT NAME: SUDBURY-BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.typ.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY: B. MCADAMS

TYPICAL SECTION SHEET 2

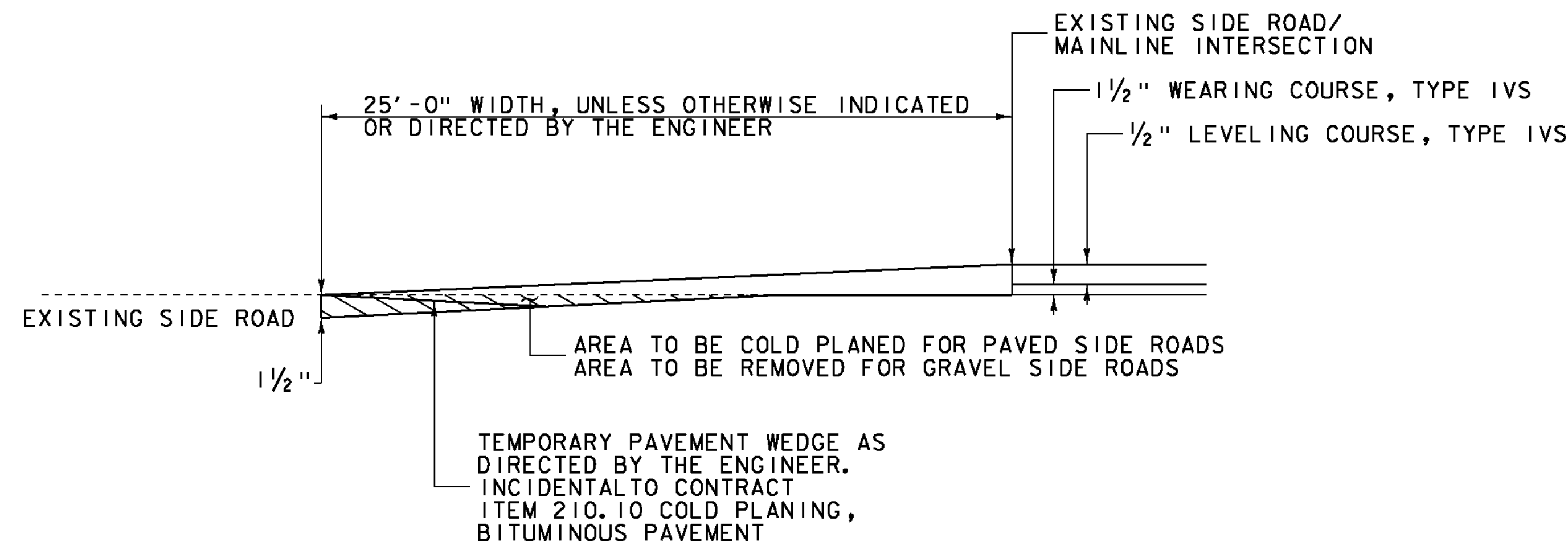
PLOT DATE: 13-FEB-2013

DRAWN BY: B. MCADAMS

CHECKED BY: A. KEMPTON

SHEET 4 OF 137

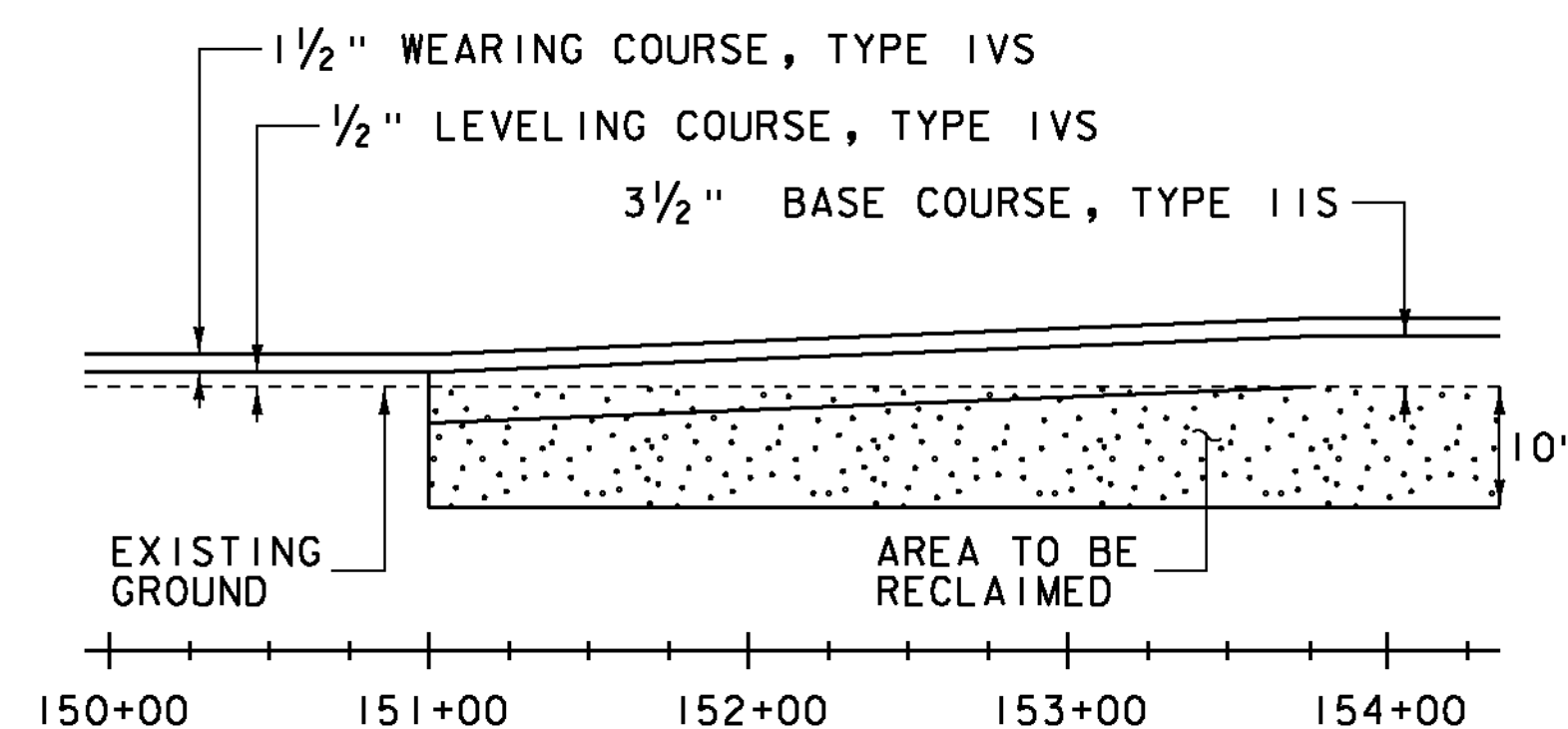
TYPICAL SECTIONS



SIDE ROAD TRANSITION IN LEVEL AND OVERLAY AREAS

NOT TO SCALE

SEE LAYOUT SHEETS FOR LOCATIONS

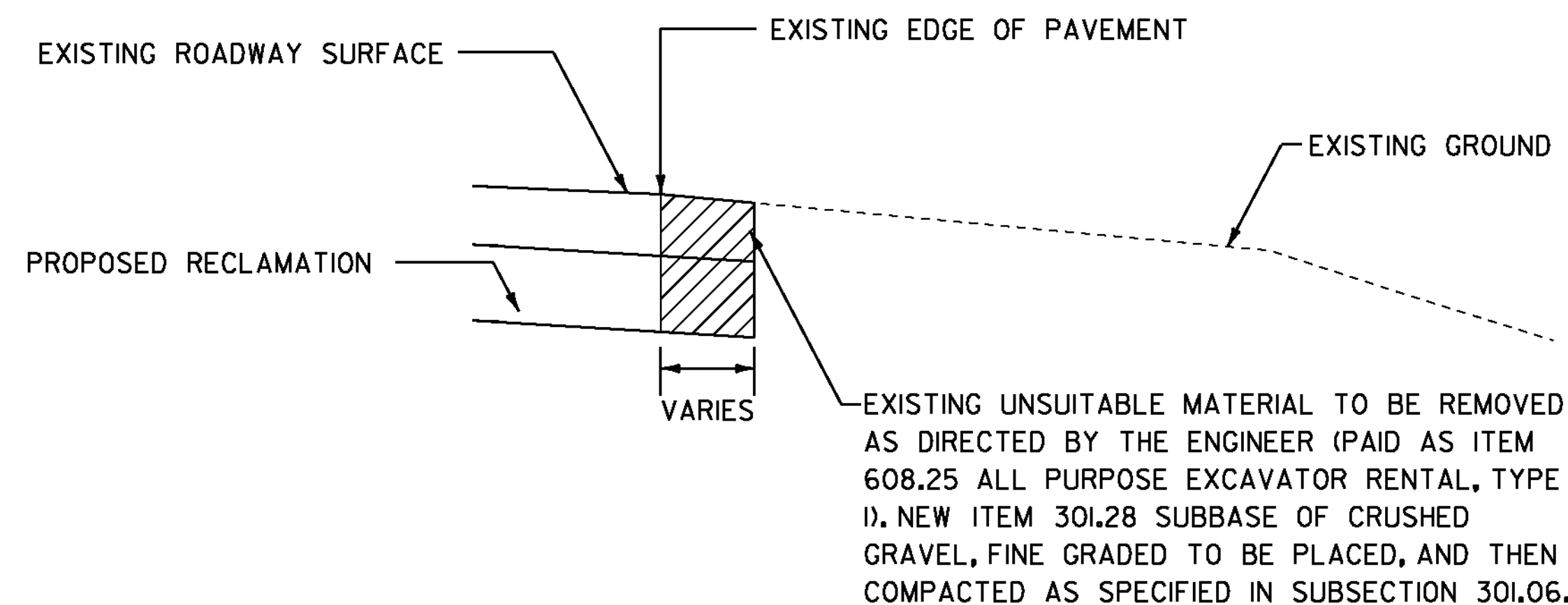


LEVEL AND OVERLAY TO RECLAIM TRANSITION DETAIL

NOT TO SCALE

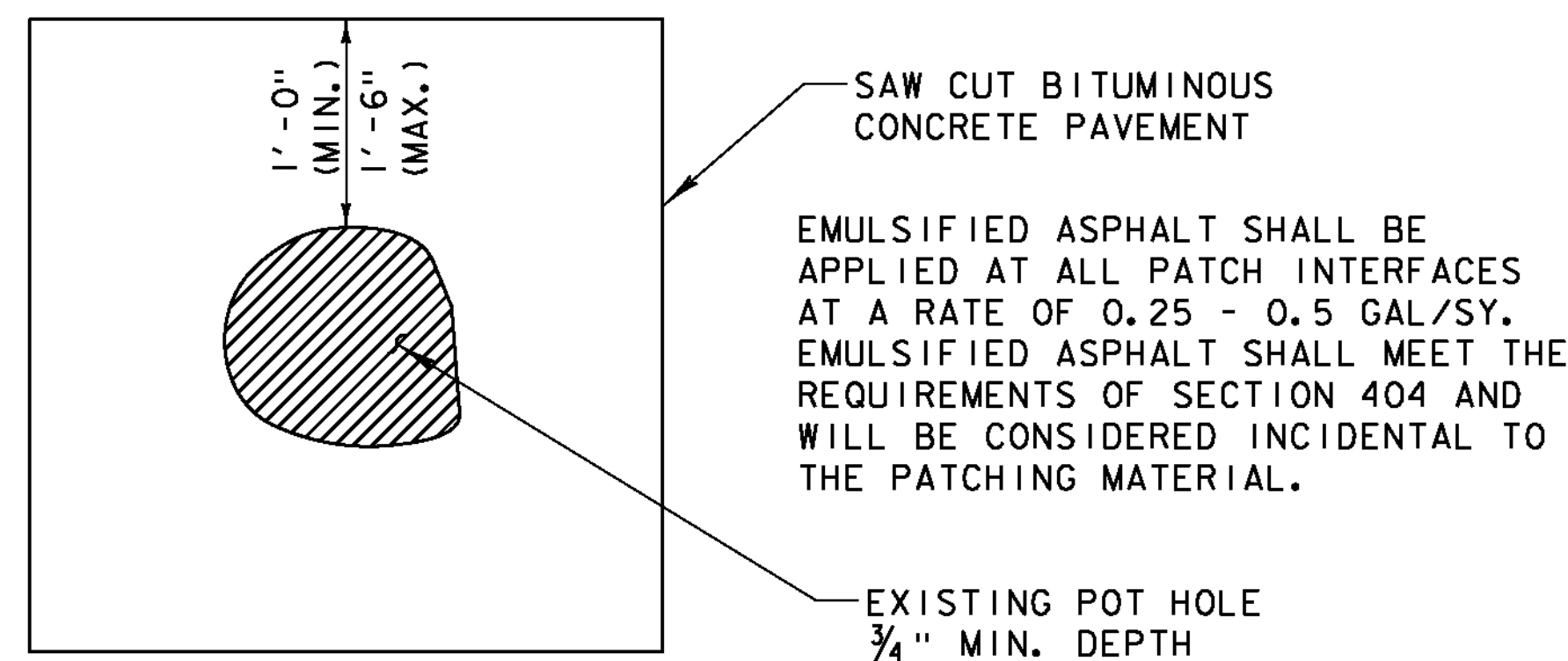
SUDBURY

STA. 151+00.00 - STA. 153+75.00



EXISTING SHOULDER RECONSTRUCTION DETAIL

NOT TO SCALE



POT HOLE REPAIR DETAIL

NOT TO SCALE

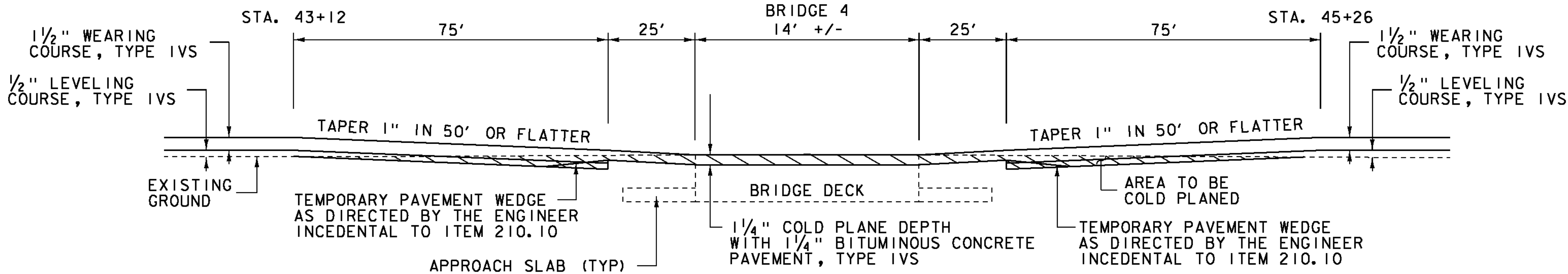
NOTE: SAW CUTTING BITUMINOUS CONCRETE PAVEMENT SHALL BE INCIDENTAL TO ITEM 900.680 SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE 1)

PROJECT NAME: SUDBURY-BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.typ.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
TYPICAL SECTION SHEET 3

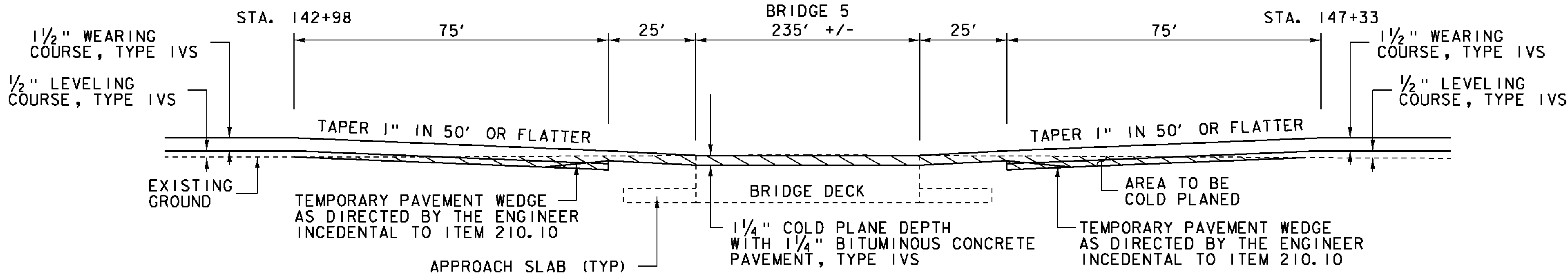
PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 5 OF 137

TYPICAL SECTIONS



BRIDGE 4 TRANSITION DETAIL

NOT TO SCALE
SUDBURY
STA. 43+12 - STA. 45+26



BRIDGE 5

TRANSITION DETAIL

NOT TO SCALE
SUDBURY
STA. 142+98 - STA. 147+33

Diagram illustrating the layout of a bridge deck, showing four segments separated by three plug joints. The segments are labeled from top to bottom: END OF BRIDGE, PLUG JOINT 4, PLUG JOINT 3, PLUG JOINT 2, PLUG JOINT 1, and BEGIN BRIDGE. Each segment is 78'-0" long.

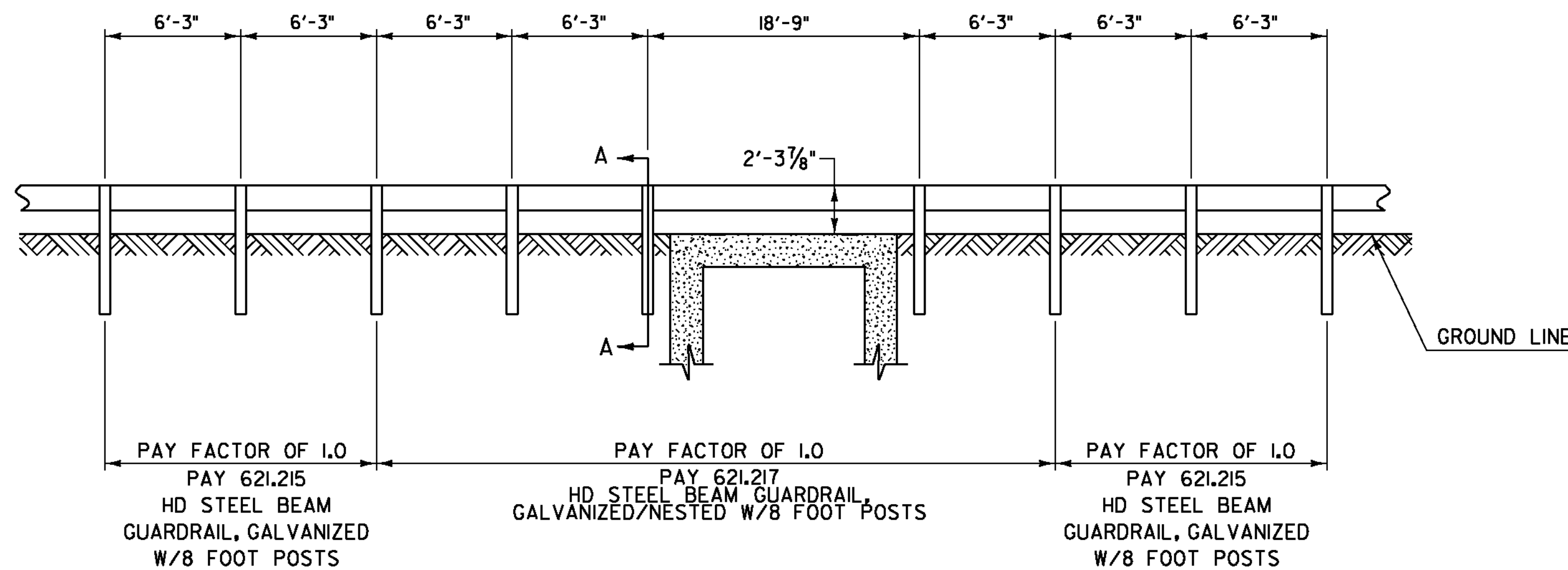
JOINT	STATION	LENGTH
1	143+98	32' - 0"
2	144+76	32' - 0"
3	145+54	32' - 0"
4	146+33	32' - 0"
TOTAL LENGTH OF JOINT		128' - 0"

NOTE: THE CONTRACTOR SHALL USE CAUTION WHEN COLD PLANING AND PAVING OPERATIONS OCCUR ON BRIDGE DECKS. SHOULD ANY DAMAGE OCCUR TO THE DECK OR MEMBRANE AS A RESULT OF THESE OPERATIONS, THE ENGINEER SHALL CONTACT THE VTRANS CONSTRUCTION STRUCTURES ENGINEER, TO PROVIDE AN ASSESSMENT OF THE DAMAGE AND RECOMMEND ANY NECESSARY REPAIRS. THE CONSTRUCTION STRUCTURES ENGINEER WILL ALSO DETERMINE IF THE DAMAGE WAS AVOIDABLE. IF THE CONTRACTOR IS DETERMINED BY THE ENGINEER TO BE AT FAULT FOR THE DAMAGE, THE RECOMMENDED REPAIRS SHALL BE COMPLETED BY THE CONTRACTOR AT NO COST TO THE STATE.

PROJECT NAME: SUDBURY-BRANDON
PROJECT NUMBER: STP 0158(3)

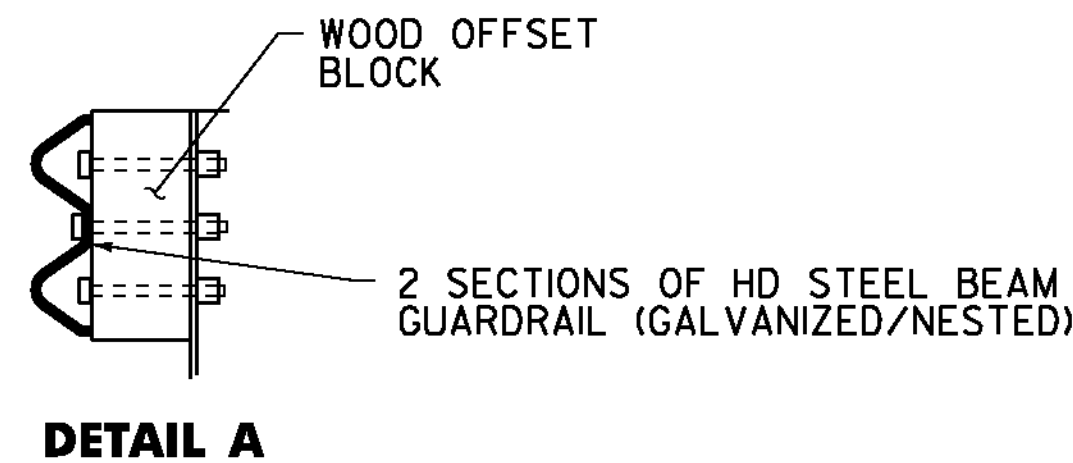
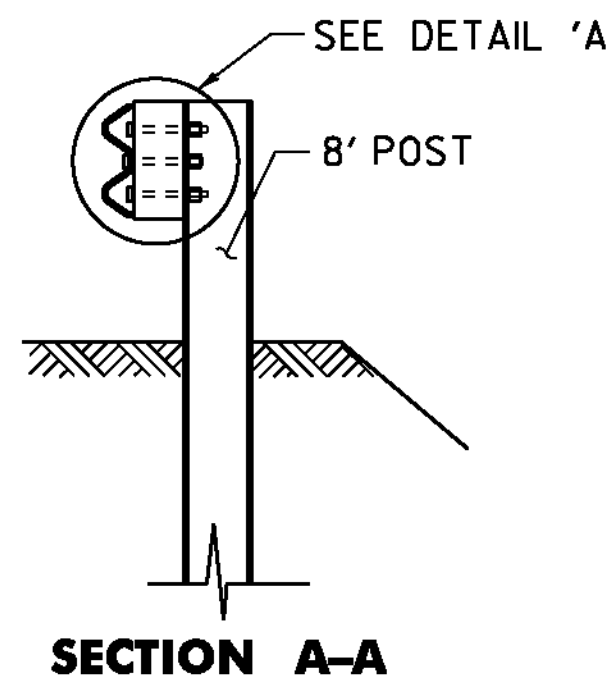
FILE NAME: d:\0c204_typ.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
TYPICAL SECTION SHEET 4	SHEET 6 OF 137

TYPICAL SECTIONS

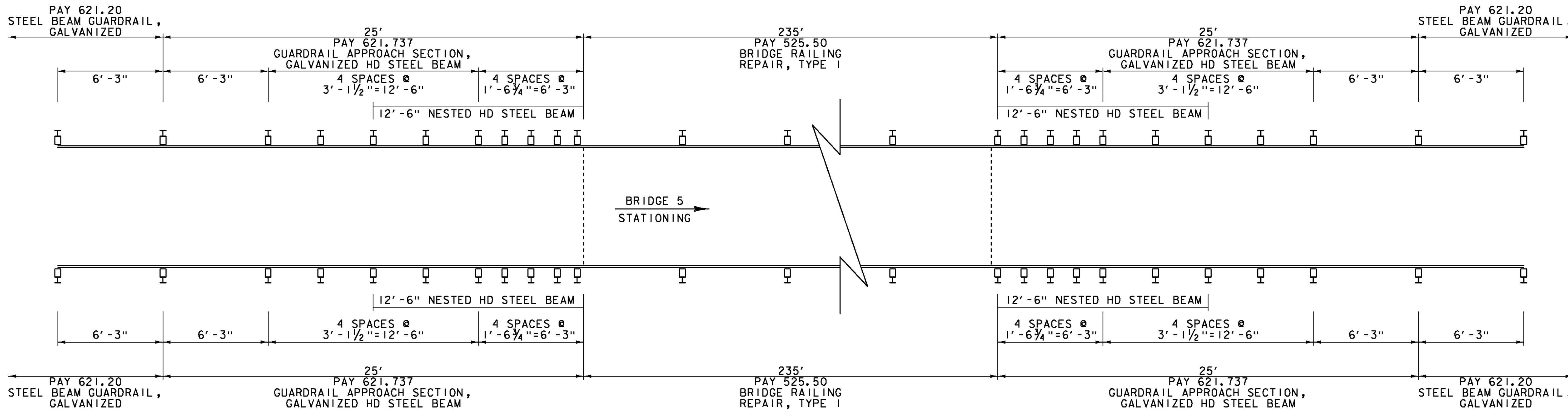


BRIDGE 4 GUARDRAIL DETAIL

NOT TO SCALE
SUDBURY
STA. 44+50 TO 44+64 LT & RT



- NOTES:
1. SEE STANDARD G-1 FOR STEEL BEAM GUARDRAIL DETAILS.
 2. THIS DETAIL TO BE USED AS INDICATED ON THE LAYOUT SHEETS OR AS DIRECTED BY THE ENGINEER.



BRIDGE 5 GUARDRAIL DETAIL

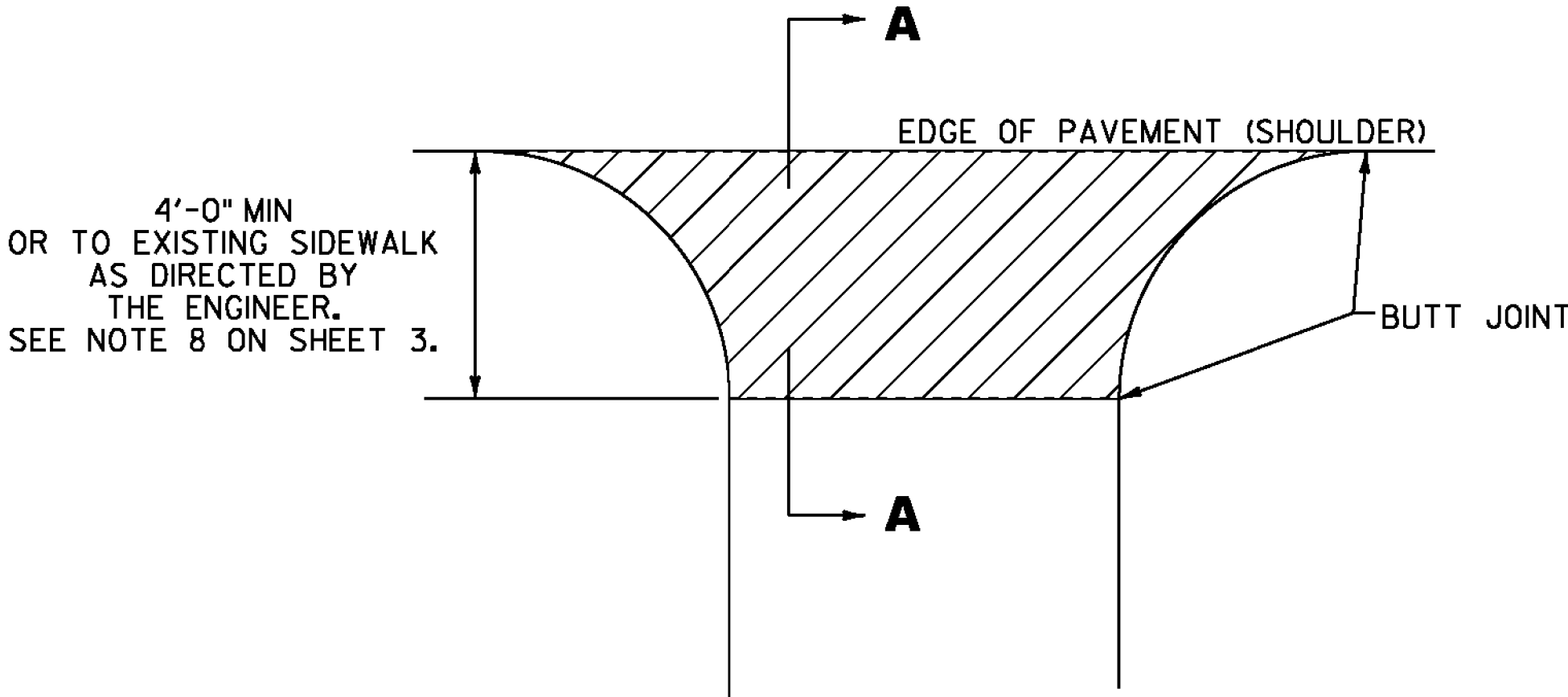
NOT TO SCALE
SUDBURY
STA. 142+98 - STA. 147+33

PROJECT NAME: SUDBURY-BRANDON
PROJECT NUMBER: STP 0158(3)

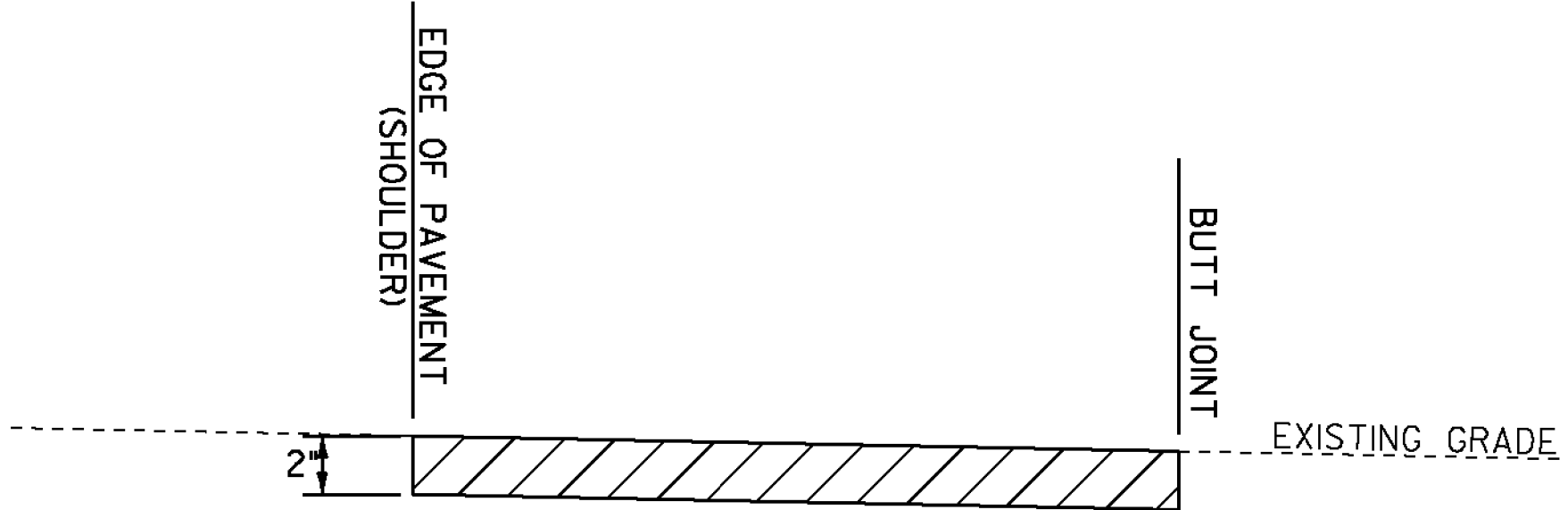
FILE NAME: d10c204.typ.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
BRIDGE GUARDRAIL DETAILS

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 7 OF 137

DRIVE INVENTORY				
FIELD STATION	STATION	POSITION	QUANTITY (SY)	DESCRIPTION
	SUDBURY			
19+00	20+34	LT	12	GRAVEL
22+78	24+12	RT	19	GRAVEL
23+42	24+76	LT	19	PAVED
26+05	27+28	LT	14	FIELD
29+35/29+65	30+92	LT	8	GRAVEL
30+80	32+06	LT	16	GRAVEL
32+60	33+92	LT	18	GRAVEL
33+84	35+10	RT	14	GRAVEL
34+60	35+82	LT	15	GRAVEL
35+10	36+32	RT	11	GRAVEL
44+30	44+95	LT	31	GRAVEL
44+37	45+50	RT	13	GRAVEL
47+44	48+52	RT	8	PAVED
48+00	49+08	LT	12	GRAVEL
48+10	49+18	RT	13	PAVED
52+77	53+85	LT	8	GRAVEL
58+55	59+50	LT	5	FIELD
66+05	67+02	LT	13	GRAVEL
67+18	68+09	LT	12	GRAVEL
77+08	71+07	RT	16	GRAVEL
81+00	81+73	LT	13	GRAVEL
85+25	86+11	LT	15	PAVED
88+06	88+92	RT	12	GRAVEL
100+80	101+42	LT	7	FIELD
103+65	104+39	RT	14	GRAVEL
106+25	106+96	RT	19	GRAVEL
113+20	113+82	LT	10	GRAVEL
NO DRIVE	~~114+40~~	~~RT~~	~~13~~	~~GRAVEL~~
114+95	115+56	RT	11	GRAVEL
118+34	118+98	LT	8	FIELD
119+05	119+65	RT	15	PAVED
121+55	122+03	RT	13	GRAVEL
126+15	126+56	RT	11	GRAVEL
126+90	127+30	RT	14	GRAVEL
128+60	128+95	RT	11	GRAVEL
130+45	130+89	LT	12	GRAVEL
134+00	134+08	LT	10	FIELD
143+28	143+28	LT	8	FIELD
149+86	149+86	LT	9	FIELD
	BEGIN RECLAIM			
158+00	157+18	RT	16	FIELD
	166+42	RT	14	FIELD
	157+00	RT		GRAVEL
	BRANDON			
NO DRIVE	~~4+77~~	~~LT~~	~~9~~	~~FIELD~~
	10+10	LT	14	FIELD
42+45	~~42+48~~	LT	15	FIELD
NO DRIVE	~~48+28~~	~~RT~~	~~9~~	~~FIELD~~
57+40	~~57+84~~	RT	16	FIELD
82+37	~~82+31~~	LT	14	FIELD
		SUBTOTAL	608	
		ROUNDING	12	
		TOTAL	620	

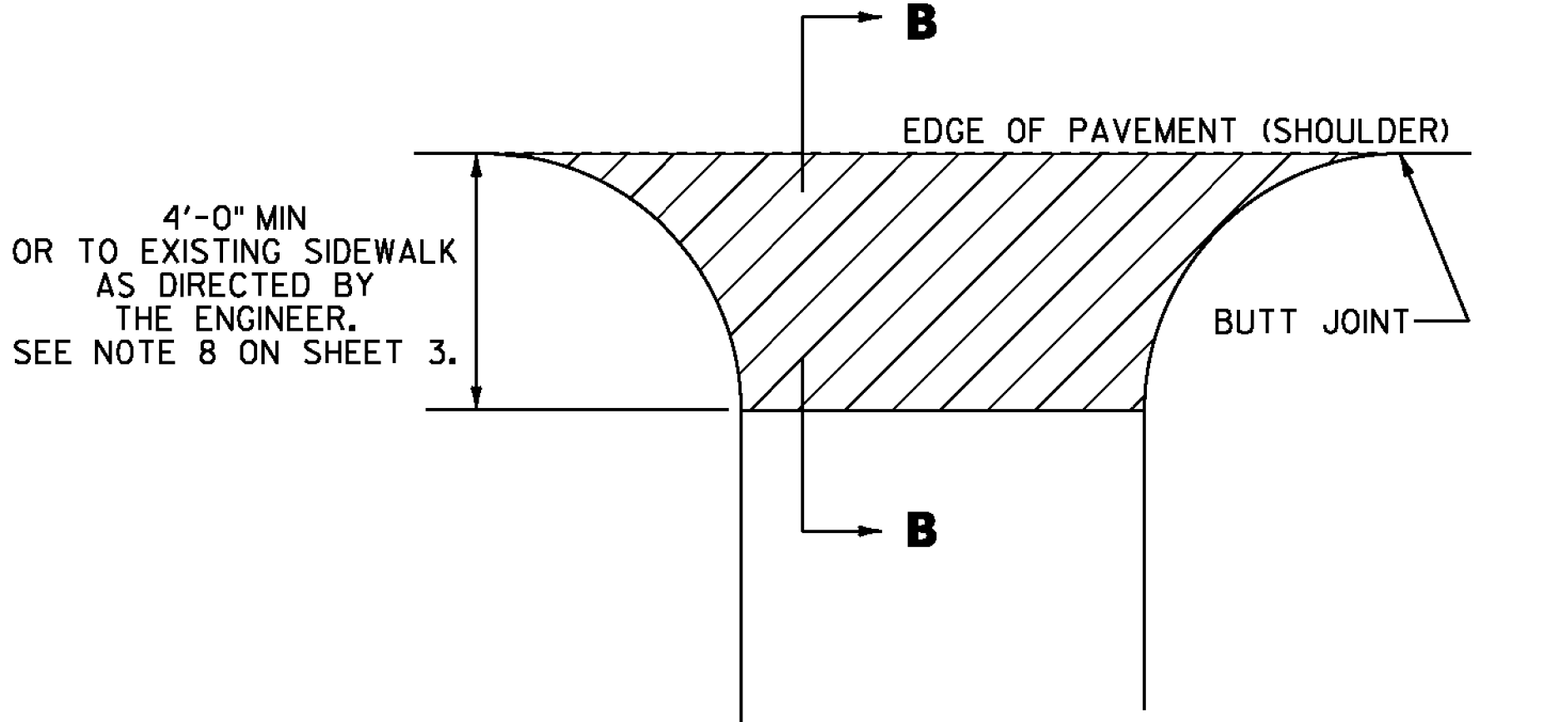


PLAN

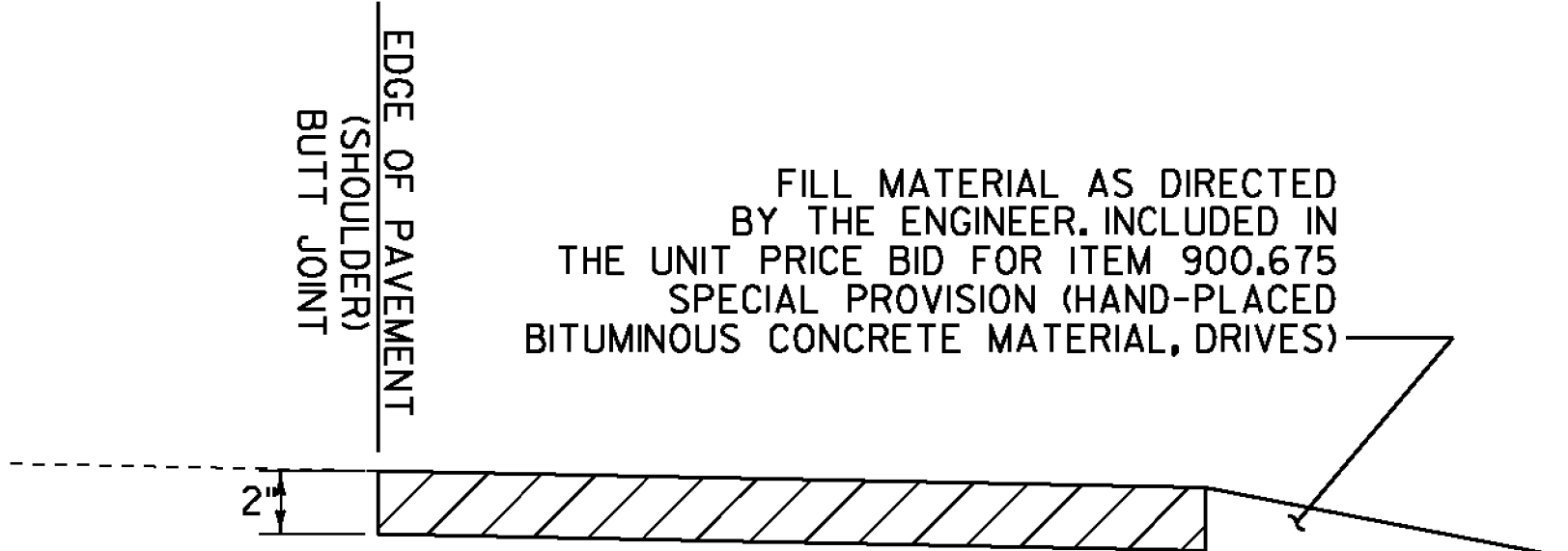


SECTION A-A

HANDWORK DETAILS FOR PAVED DRIVES



PLAN



SECTION B-B

HANDWORK DETAILS FOR GRAVEL DRIVES

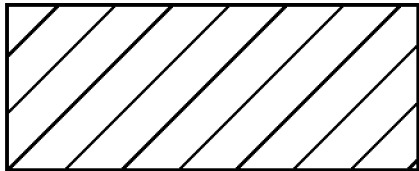
CULVERT INVENTORY

FIELD STATION	STATION	SIZE	TYPE	COVER LT	COVER RT	REMARKS MARKER POST
	SUDBURY					
	STA. 24+43	18"	CPEP	1'	1.5'	
STA. 32+15	STA. 33+55	18"	CPEP	1'	1.5'	2
STA. 37+25	STA. 38+30	18"	CMP	2'	1.5'	2
STA. 47+80	STA. 48+90	18"	CGMP	3.5'	-	DI 2
STA. 56+75	STA. 57+33	24"	CPEP	5'	5'	2
STA. 59+40	STA. 60+45	15"	CMP	3'	6'	2
STA. 66+40	STA. 67+29	18"	CPEP	5'	5'	2
STA. 74+80	STA. 75+84	18"	CPEP	2.5'	1'	2
STA. 79+04	STA. 80+24	18"	CPEP	4'	2'	1 (LT)
STA. 87+85	STA. 89+18	18"	CPEP	3'	3'	2
STA. 89+36	STA. 90+30	18"	CPEP	3'	3'	2
STA. 91+80	STA. 92+70	12"	CGMP	3'	3'	2
STA. 96+75	STA. 98+46	8"	CGMP	4'	2'	1 (LT)
STA. 100+30	STA. 101+72	15"	CGMP	5'	3'	2
NO CHANGE	STA. 168+40	24"	CGMP	3'	4.5'	2
	BRANDON					
	STA. 04+45	18"	CPEP	5'	5'	2
	STA. 10+55	48"	CPEP	5'	5'	2
	STA. 21+14	15"	CGMP	2'	5'	
	STA. 26+14	42"	CPEP	4'	7'	2
	STA. 28+70	48"	CPEP	4'	7'	2
	STA. 42+75	48"	CPEP	3'	3'	2
	STA. 57+78	18"	CPEP	3'	6'	2
	STA. 65+55	36"	CPEP	7'	8'	
	STA. 73+34	12"	CGMP	2.5'	5'	2
NO CHANGE	STA. 89+90	24"	CPEP	4'	5'	2

NOTES:

- PAVING LIFT SHALL BE A MINIMUM OF 1 1/2 " AND A MAXIMUM OF 2".
- ALL DRIVES SHALL RECEIVE A PAVED APRON TO THE SIDEWALK AS DIRECTED BY THE ENGINEER.
- THE COST OF PROVIDING AND PLACING SUBBASE MATERIAL, CLEANING EXISTING PAVED SURFACES, INCLUDING POWER EQUIPMENT, APPLYING EMULSION, AND FILLING JOINTS, CRACKS AND HOLES WILL NOT BE PAID DIRECTLY BUT WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).
- EXCAVATION NEEDED TO ACHIEVE PROPER DRIVE SLOPES WILL NOT BE PAID DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO CONTRACT ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES).

LEGEND



ITEM 900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)

PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: B. KIPP
DRIVE AND CULVERT INVENTORY	SHEET 8 OF 137

QUANTITY SHEET 1

SUMMARY OF ESTIMATED QUANTITIES												TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
								ROADWAY	EROSION CONTROL	BRIDGE	FULL CE ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								2040				2040		CY	EARTH BORROW	203.30	25			COLD PLANING, BITUMINOUS PAVEMENT
								1				1		CY	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)	204.22	-	1222	SY	MAIN LINE
								4350				4350		SY	COLD PLANING, BITUMINOUS PAVEMENT	210.10	41	2212	SY	BRIDGES
								13400				13400		TON	SUBBASE OF CRUSHED GRAVEL, FINE GRADED	301.28	293	875	SY	SIDE ROADS
								33000				33000		SY	RECLAIMED STABILIZED BASE	310.20	386	41	SY	ROUNDING
								1050				1050		TON	AGGREGATE SHOULDERS	402.12	15	4350	SY	TOTAL
								1				1		LU	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)	406.50	-			RECLAIMED STABALIZED BASE
								14750				14750		TON	SUPERPAVE BITUMINOUS CONCRETE PAVEMENT	490.30	187	32614 0	SY SY	MAINLINE SIDE ROADS
								1				1		LU	AIR VOIDS PAY ADJUSTMENT (N.A.B.I.)	490.31	-	386	SY	ROUNDING
								1				1		LU	MAT DENSITY PAY ADJUSTMENT (N.A.B.I.)	490.32	-	33000	SY	TOTAL
								1				1		LU	SURFACE TOLERANCE PAY ADJUSTMENT (N.A.B.I.)	490.33	-			SUPERPAVE BITUMINOUS CONCRETE PAVEMENT
								1				1		LU	LONGITUDINAL JOINT COMPACTION PAY ADJUSTMENT (N.A.B.I.)	490.34	-	6503 78	TON TON	MAINLINE (WEARING TYPE IVS) SIDE ROADS (WEARING TYPE IVS)
										140		140		LF	BRIDGE EXPANSION JOINT, ASPHALTIC PLUG	516.10	12	1164	TON	MAINLINE (LEVELING TYPE IVS)
										480		480		LF	REMOVAL OF EXISTING BRIDGE RAILING	525.10	6	6818	TON	MAINLINE (BASE TYPE IIS)
										480		480		LF	BRIDGE RAILING REPAIR, TYPE I	525.50	6	187	TON	ROUNDING
										215		215		CF	RAPID SETTING CONCRETE REPAIR MATERIAL WITH COARSE AGGREGATE	580.20	2	14750	TON	TOTAL
								60				60		LF	18" CSP .079 (2-2/3 X 1/2)	601.0016	12			
								35				35		HR	POWER GRADER RENTAL	608.15	EST.			
								240				240		HR	ALL PURPOSE EXCAVATOR RENTAL, TYPE I	608.25	EST.			
								25				25		HR	POWER BROOM RENTAL, TYPE I	608.30	EST.			
								480				480		HR	TRUCK RENTAL	608.37	EST.			
								25				25		HR	LOADER RENTAL, TYPE I	608.40	EST.			
									270			270		CY	STONE FILL, TYPE I	613.10	2			
								30				30		EACH	YIELDING MARKER POSTS	619.17	EST.			
								2930				2930		LF	STEEL BEAM GUARDRAIL, GALVANIZED	621.20	2			
								2300				2300		LF	STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.205	-			
								140				140		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS	621.215	4			
								80				80		LF	HD STEEL BEAM GUARDRAIL, GALVANIZED/NESTED W/8 FEET POSTS	621.217	4			
								2				2		EACH	MANUFACTURED TERMINAL SECTION, TANGENT	621.51	-			
								14				14		EACH	ANCHOR FOR STEEL BEAM RAIL	621.60	-			
								4				4		EACH	GUARDRAIL APPROACH SECTION, GALV HD STEEL BEAM	621.737	-			
								4350				4350		LF	REMOVAL AND DISPOSAL OF GUARDRAIL	621.80	10			
								960				960		HR	UNIFORMED TRAFFIC OFFICERS	630.10	EST.			
								3840				3840		HR	FLAGGERS	630.15	EST.			
											1	1		LS	FIELD OFFICE, ENGINEERS	631.10	-			
											1	1		LS	TESTING EQUIPMENT, BITUMINOUS	631.17	-			
											3000	3000		DL	FIELD OFFICE TELEPHONE (N.A.B.I.)	631.26	-			
								520				520		HR	EMPLOYEE TRAINEESHIP	634.10	-			
								1				1		LS	MOBILIZATION/DEMOBILIZATION	635.11	-			
								1				1		LS	TRAFFIC CONTROL	641.10	-			

STATE OF VERMONT
AGENCY OF TRANSPORTATION

QUANTITY SHEET 2

SUMMARY OF ESTIMATED QUANTITIES												TOTALS		DESCRIPTIONS				DETAILED SUMMARY OF QUANTITIES		
								ROADWAY	EROSION CONTROL	BRIDGE	FULL CE ITEMS	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								2				2		EACH	PORTABLE CHANGEABLE MESSAGE SIGN	641.15	-			
															BEGIN OPTION AA					
								47850				47850		LF	DURABLE 4 INCH WHITE LINE, THERMOPLASTIC	646.402	28			
								47850				47850		LF	DURABLE 4 INCH WHITE LINE, POLYUREA	646.404	28			
															END OPTION AA					
															BEGIN OPTION BB					
								47850				47850		LF	DURABLE 4 INCH YELLOW LINE, THERMOPLASTIC	646.412	28			
								47850				47850		LF	DURABLE 4 INCH YELLOW LINE, POLYUREA	646.414	28			
															END OPTION BB					
															BEGIN OPTION CC					
								175				175		LF	DURABLE 24 INCH STOP BAR, THERMOPLASTIC	646.482	4			
								175				175		LF	DURABLE 24 INCH STOP BAR, POLYUREA	646.484	4			
															END OPTION CC					
															BEGIN OPTION DD					
								45				45		EACH	DURABLE LETTER OR SYMBOL, THERMOPLASTIC	646.492	-			
								45				45		EACH	DURABLE LETTER OR SYMBOL, POLYUREA	646.494	-			
															END OPTION DD					
								47850				47850		LF	TEMPORARY 4 INCH WHITE LINE, PAINT	646.602	28			
								47850				47850		LF	TEMPORARY 4 INCH YELLOW LINE, PAINT	646.612	28			
								2050				2050		EACH	LINE STRIPING TARGETS	646.76	EST.			
									1080			1080		SY	GEOTEXTILE UNDER STONE FILL	649.31	12			
									7500			7500		SY	GEOTEXTILE FOR SILT FENCE	649.51	EST.			
									230			230		LB	SEED	651.15	EST.			
									1000			1000		LB	FERTILIZER	651.18	EST.			
									4			4		TON	AGRICULTURAL LIMESTONE	651.20	EST.			
									5			5		TON	HAY MULCH	651.25	EST.			
								525				525		CY	TOPSOIL	651.35	11			
									10500			10500		SY	TEMPORARY EROSION MATTING	653.20	EST.			
								423.3				423.3		SF	TRAFFIC SIGNS, TYPE A	675.20	-			
								824.5				824.5		LF	SQUARE TUBE SIGN POST AND ANCHOR	675.341	EST.			
								140				140		EACH	REMOVING SIGNS	675.50	-			
								14				14		EACH	DELINEATOR WITH STEEL POST	676.10	-			
								1				1		LU	PRICE ADJUSTMENT, FUEL (N.A.B.I.)	690.50	-			
								620				620		SY	SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)	900.675				
								5				5		TON	SPECIAL PROVISION (BITUMINOUS CONCRETE PAVEMENT SURFACE PREPARATION, TYPE I)	900.680	EST.			
								14750				14750		TON	SPECIAL PROVISION (MATERIAL TRANSFER VEHICLE)	900.680	187			
								280				280		CWT	SPECIAL PROVISION (EMULSIFIED ASPHALT) (RS-1H OR CRS-1H)	900.683	6			

PROJECT NAME: SUDBURY-BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204_frm.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY:

QUANTITY SHEET 2

PLOT DATE: 28-FEB-2013

DRAWN BY: B. MCADAMS

CHECKED BY: A. KEMPTON

SHEET 10 OF 137

[illegible]

HVCTRL #1

LAWES AZ MK
NORTH = 476693.637
EAST = 1482186.432
ELEV. = 421.574

DESCRIBED BY VERMONT GEODETIC SURVEY 1997 (CHR) GENERAL LOCATION, BRANDON, VT. TO REACH FROM THE INTERSECTION OF U.S.ROUTE 7 AND VT ROUTE 73 WEST AT THE NORTH END OF BRANDON VILLAGE GO NORTH ALONG U.S.ROUTE 7 FOR 0.5 MI (0.8 KM) TO THE INTERSECTION OF STEINBERG ROAD LEFT AND THE MARK ON THE LEFT IN THE NORTHWEST QUADRANT OF THE INTERSECTION. THE MARK IS SET FLUSH WITH GROUND SURFACE IN THE TOP OF A 0.3 M (1.0 FT) X 0.3 M (1.0 FT) ROCK OUTCROP. IT IS 11.8 M (38.7 FT) WEST-SOUTHWEST OF AND ABOUT 1.2 M (3.9 FT) LOWER THAN THE CENTERLINE OF U.S.ROUTE 7, 17.9 M (58.7 FT) NORTH OF THE CENTERLINE OF STEINBERG ROAD, 9.0 M (29.5 FT) EAST OF THE MOST EASTERLY OF THREE 1 CM SPRUCES, AND 9.3 M (30.5 FT) NORTHEAST OF POLE NO.16-1 AND A FIBERGLASS WITNESS POST.

HVCTRL #2

LAWES
NORTH = 474200.738
EAST = 1483769.716
ELEV. = 414.107

DESCRIBED BY VERMONT GEODETIC SURVEY 1997 (CHR) GENERAL LOCATION, BRANDON, VT. TO REACH FROM THE INTERSECTION OF U.S.ROUTE 7 AND VT ROUTE 73 WEST AT THE NORTH END OF BRANDON VILLAGE GO SOUTH ALONG U.S.ROUTE 7 FOR ABOUT 40 M (131.2 FT) TO THE INTERSECTION OF PEARL STREET RIGHT, TURN RIGHT AND GO SOUTHWEST ALONG PEARL STREET FOR ABOUT 70 M (229.7 FT) TO THE SITE OF THE MARK ON THE LEFT IN A GRASS STRIP BETWEEN PEARL STREET AND THE BRICK OTTER VALLEY GROCERY STORE. IT IS ABOUT OPPOSITE THE MOST SOUTHWESTERLY POINT OF A TRIANGULAR SHAPED TOWN PARK. THE MARK IS SET 3 CM BELOW GROUND SURFACE IN THE TOP OF A 30 CM DIAMETER CONCRETE MONUMENT POURED 1.3 M (4.3 FT) DEEP. IT IS 5.1 M (16.7 FT) SOUTHEAST OF AND ABOUT LEVEL WITH THE CENTERLINE OF PEARL STREET, 10.8 M (35.4 FT) NORTHWEST OF THE WEST CORNER OF THE BRICK OTTER VALLEY GROCERY STORE, 25.7 M (84.3 FT) SOUTHWEST OF THE NORTH CORNER OF THE STORE, 9.8 M (32.2 FT) WEST OF A 60 CM MAPLE, AND 16.0 M (52.5 FT) SOUTHWEST OF POLE NO.3/6 AND A FIBERGLASS WITNESS POST.

HVCTRL #22

DR WHITE AZ MK
NORTH = 477175.876
EAST = 1470478.158
ELEV. = 350.131

GENERAL LOCATION BRANDON,VT. TO REACH FROM THE INTERSECTION OF U.S.ROUTE 7 AND VT.ROUTE 73 WEST IN BRANDON GO WEST ALONG VT.ROUTE 73 FOR 2.9 MI (4.7 KM) TO THE SITE OF THE MARK ON THE RIGHT. IT IS 0.1 MI (0.2 KM) EAST ALONG VT.ROUTE 73 FROM ITS INTERSECTION WITH THE BRANDON/SUDBURY TOWNLINE. THE MARK IS SET FLUSH WITH THE GROUND SURFACE IN THE TOP A FENO STYLE MONUMENT DRIVEN 0.9 M (3.0 FT) INTO THE GROUND. IT IS 4.2 M (13.8 FT) NORTH OF AND ABOUT 0.2 M (0.7 FT) LOWER THAN THE NORTH EDGE OF PAVEMENT OF VT.ROUTE 73, 1.3 M (4.3 FT) NORTHWEST OF POLE NO.66, 4.9 M (16.1 FT) SOUTH OF A GUY ANCHOR, AND 0.2 M (0.7 FT) SOUTH OF A FIBERGLASS WITNESS POST.

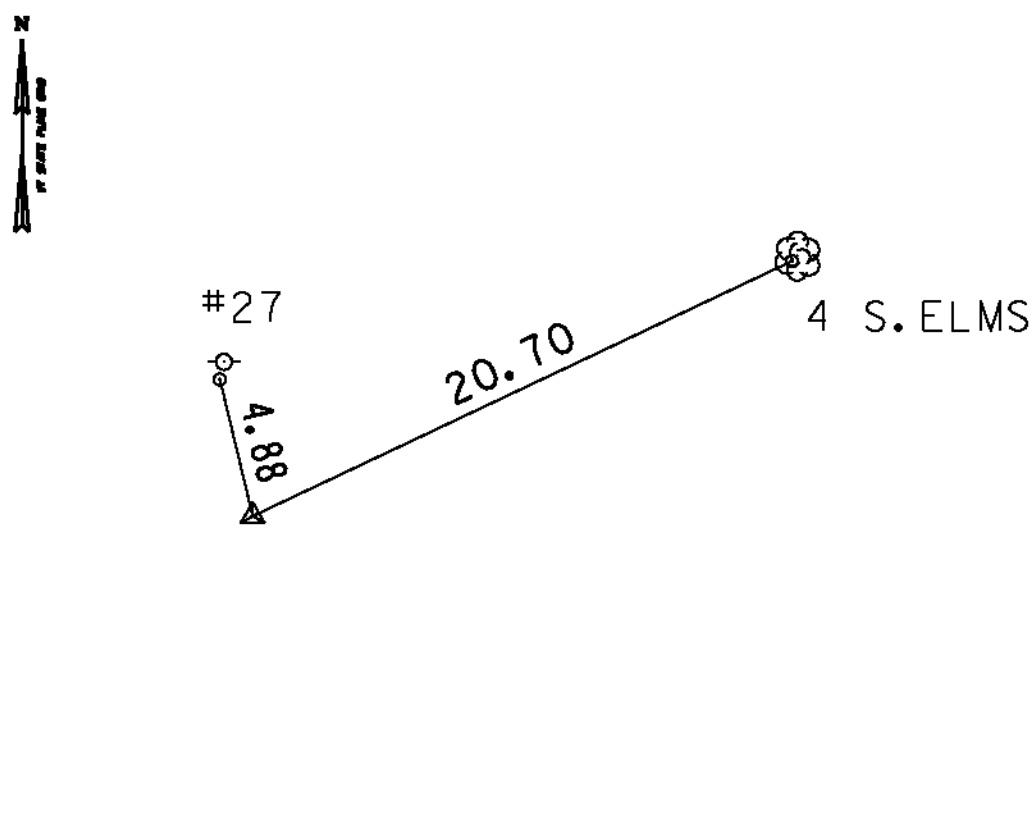
HVCTRL #25

DR WHITE
NORTH = 480490.532
EAST = 1465652.882
ELEV. = 568.109

GENERAL LOCATION SUDBURY,VT. OWNERSHIP, DR.THOMAS WHITE, 4019 ABINGTON ROAD, CHARLOTTE, NC 28211. PHONE 704-384-1620 OR 704-364-2950. TO REACH FROM THE INTERSECTION OF VT.ROUTES 30 AND 73 EAST IN SUDBURY GO EAST ALONG VT.ROUTE 73 FOR 1.8 MI (2.9 KM) TO TOP OF THE HILL, A BARN ON THE RIGHT, A HOUSE ON THE LEFT AND THE SITE OF THE MARK ON THE LEFT IN A LAWN SOUTHEAST OF THE HOUSE. TO REACH FROM THE INTERSECTION OF U.S.ROUTE 7 AND VT.ROUTE 73 WEST IN BRANDON GO WEST ALONG VT.ROUTE 73 FOR 3.5 MI (5.6 KM) TO THE VT.ROUTE 73 BRIDGE OVER THE OTTER CREEK. CONTINUE STRAIGHT AHEAD AND GO WEST ALONG VT.ROUTE 73 FOR 0.6 MI (1.0 KM) TO THE TOP OF THE HILL AND THE SITE OF THE MARK ON THE RIGHT. THE MARK IS SET IN A 0.3 M (1.0 FT) X 0.7 M (2.3 FT) ROCK OUTCROP WHICH IS FLUSH WITH THE GROUND SURFACE. IT IS 19.4 M (63.6 FT) NORTHEAST OF AND ABOUT 0.5 M (1.6 FT) HIGHER THAN THE NORTHEAST EDGE OF PAVEMENT OF VT.ROUTE 73, 20.6 M (67.6 FT) EAST OF THE SOUTH PORCH CORNER, 14.9 M (48.9 FT) SOUTHEAST OF THE EAST PORCH CORNER, AND 33.5 M (109.9 FT) NORTH NORTHEAST OF POLE NO.24.

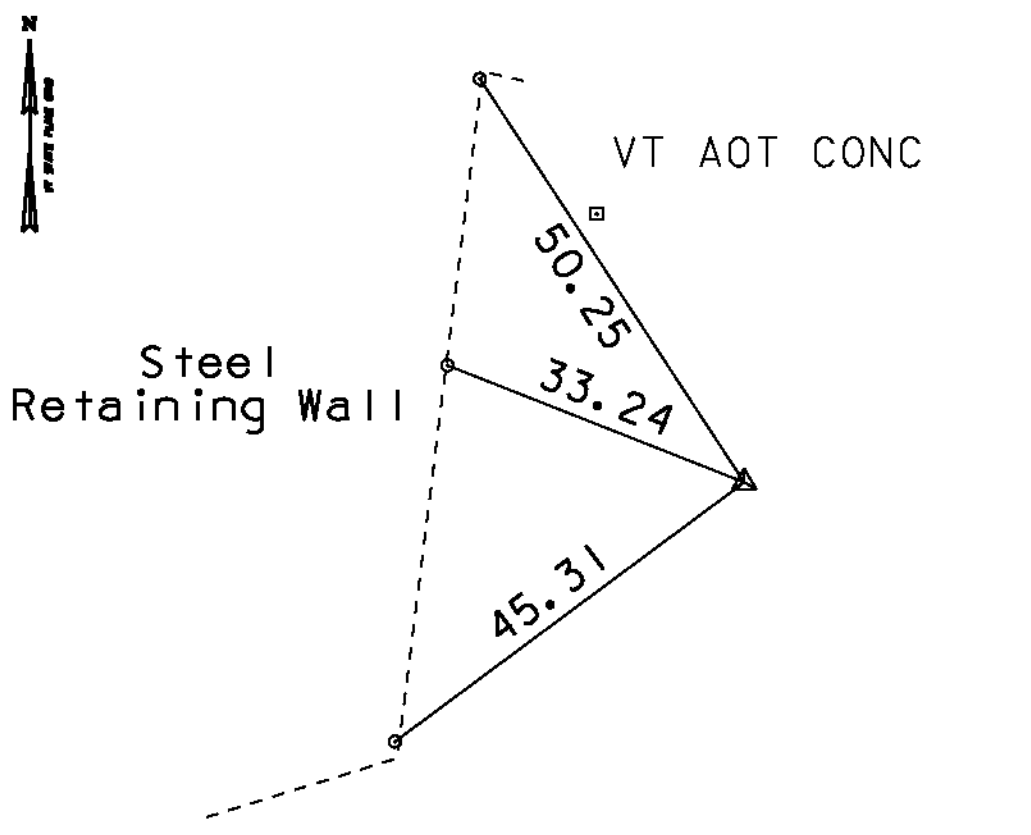
HVCTRL #8

NORTH = 475087.85
EAST = 1478843.36
ELEV. = 366.83



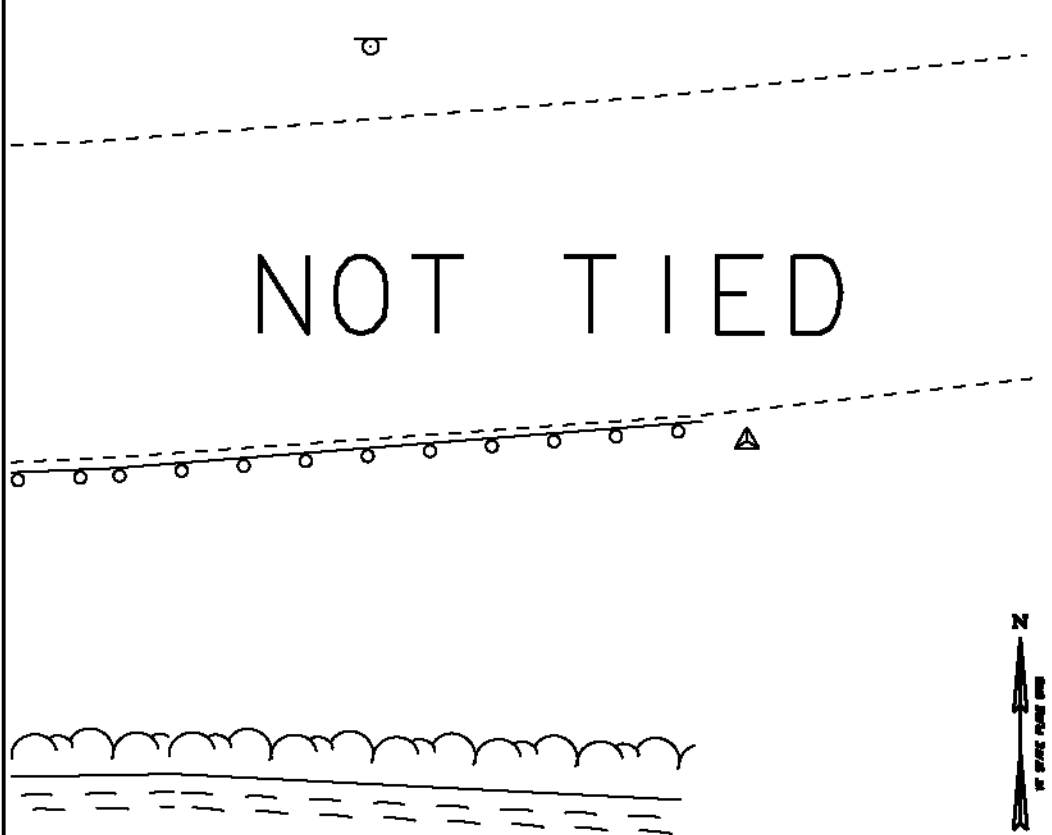
HVCTRL #9

NORTH = 474544.27
EAST = 1478282.08
ELEV. = 386.07



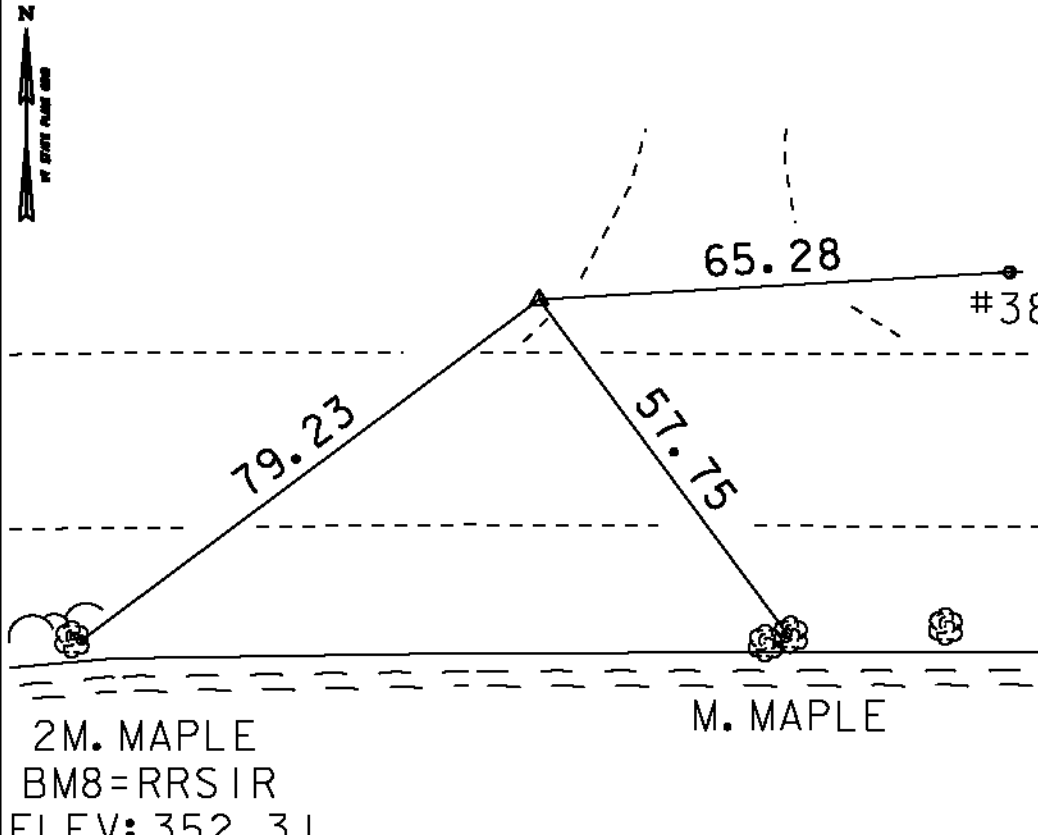
HVCTRL #10

NORTH = 474181.07
EAST = 1477571.94
ELEV. = 360.45



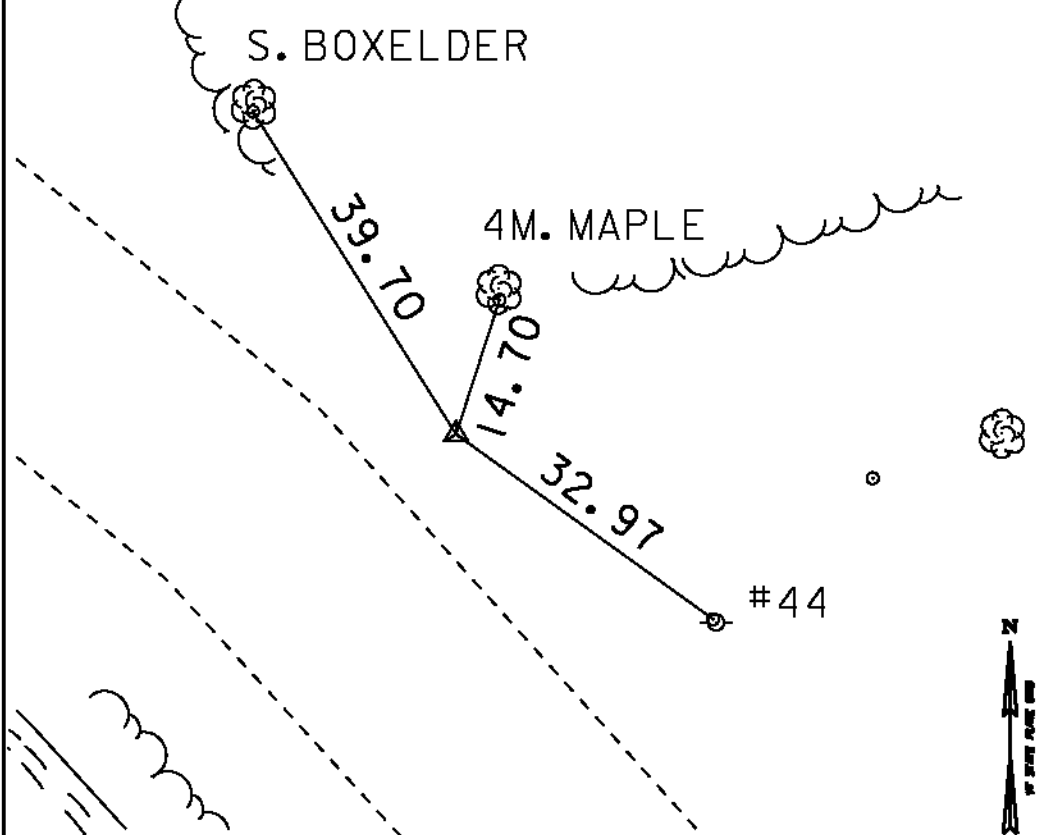
HVCTRL #11

NORTH = 474265.60
EAST = 1476210.54
ELEV. = 352.01



HVCTRL #12

NORTH = 475176.76
EAST = 1475079.38
ELEV. = 351.95

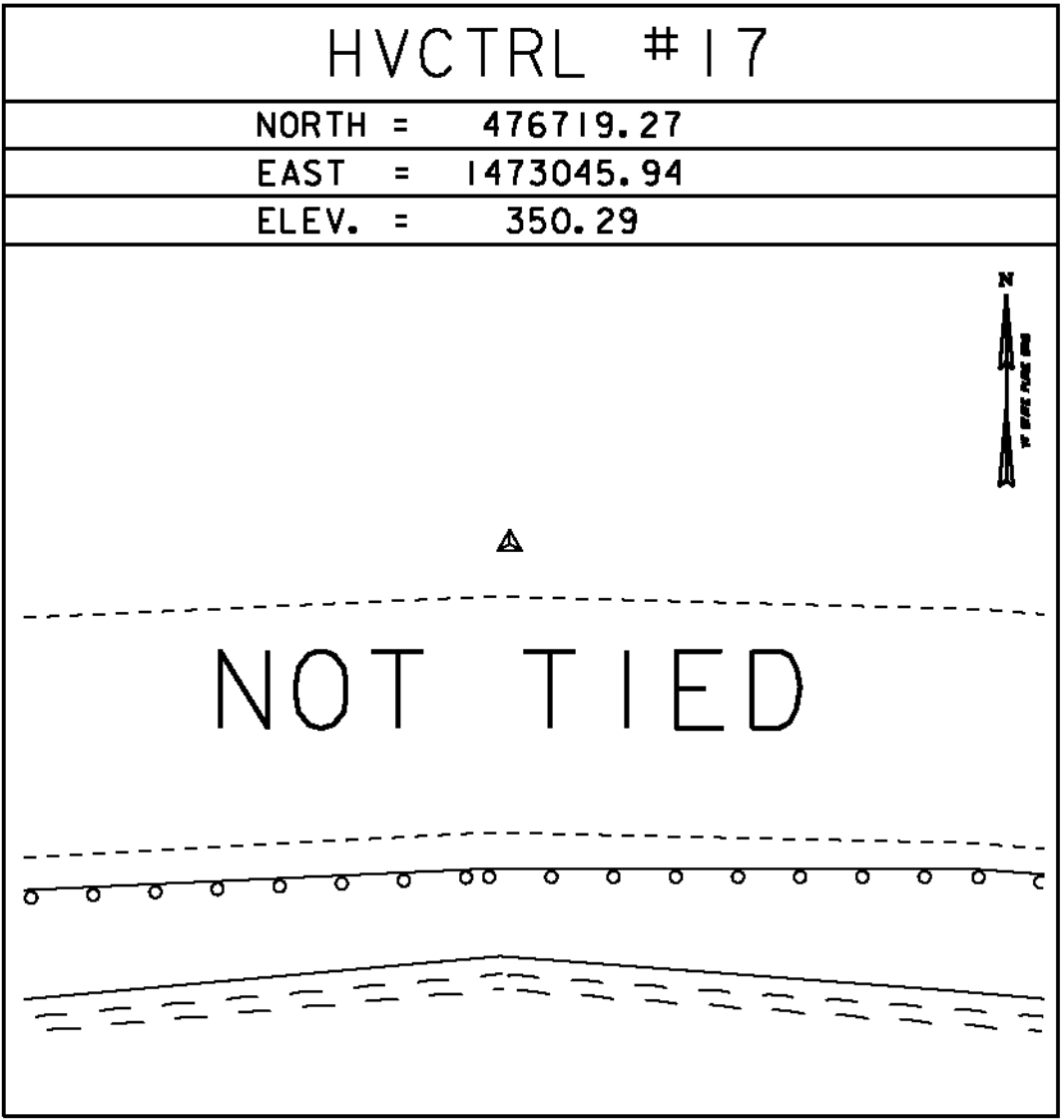
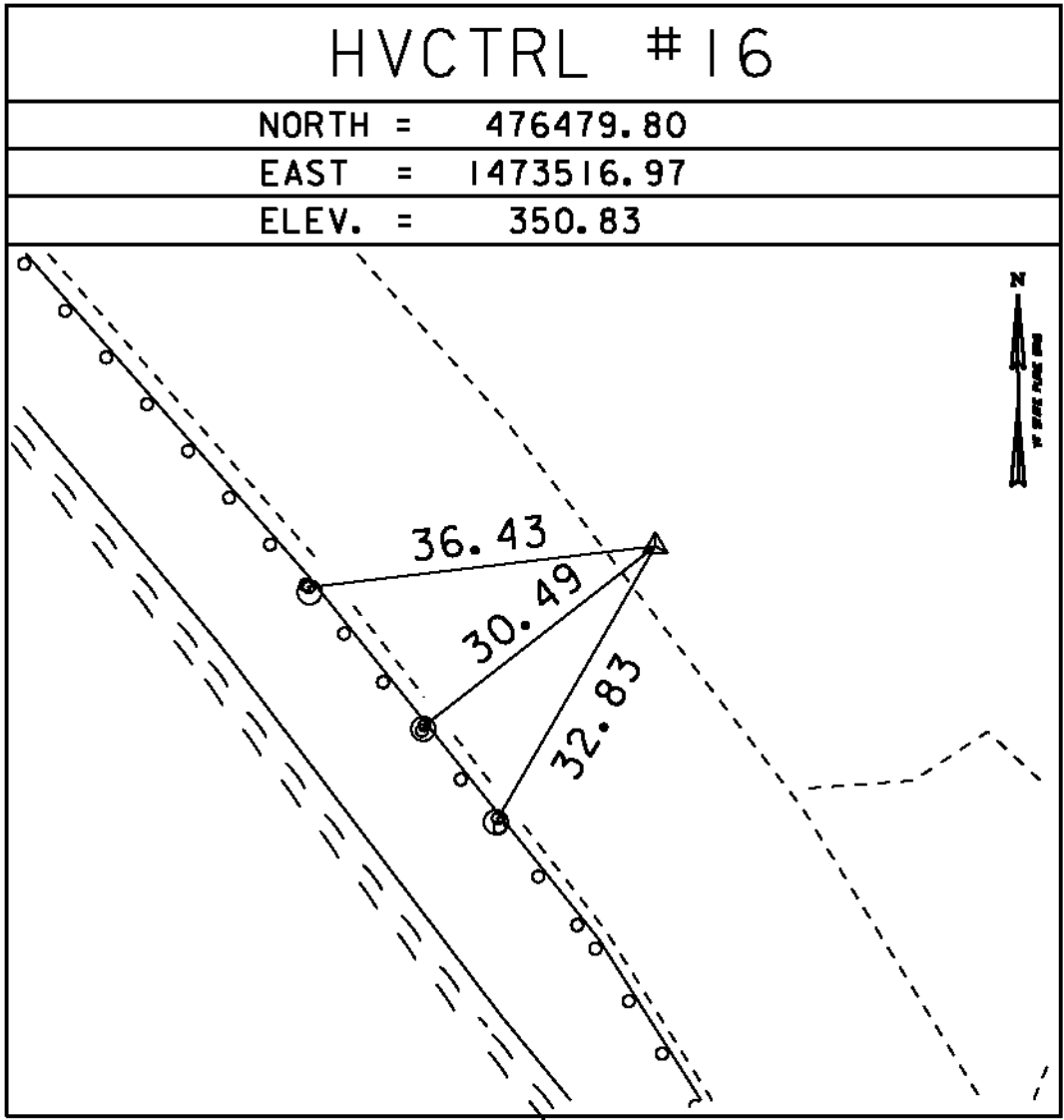
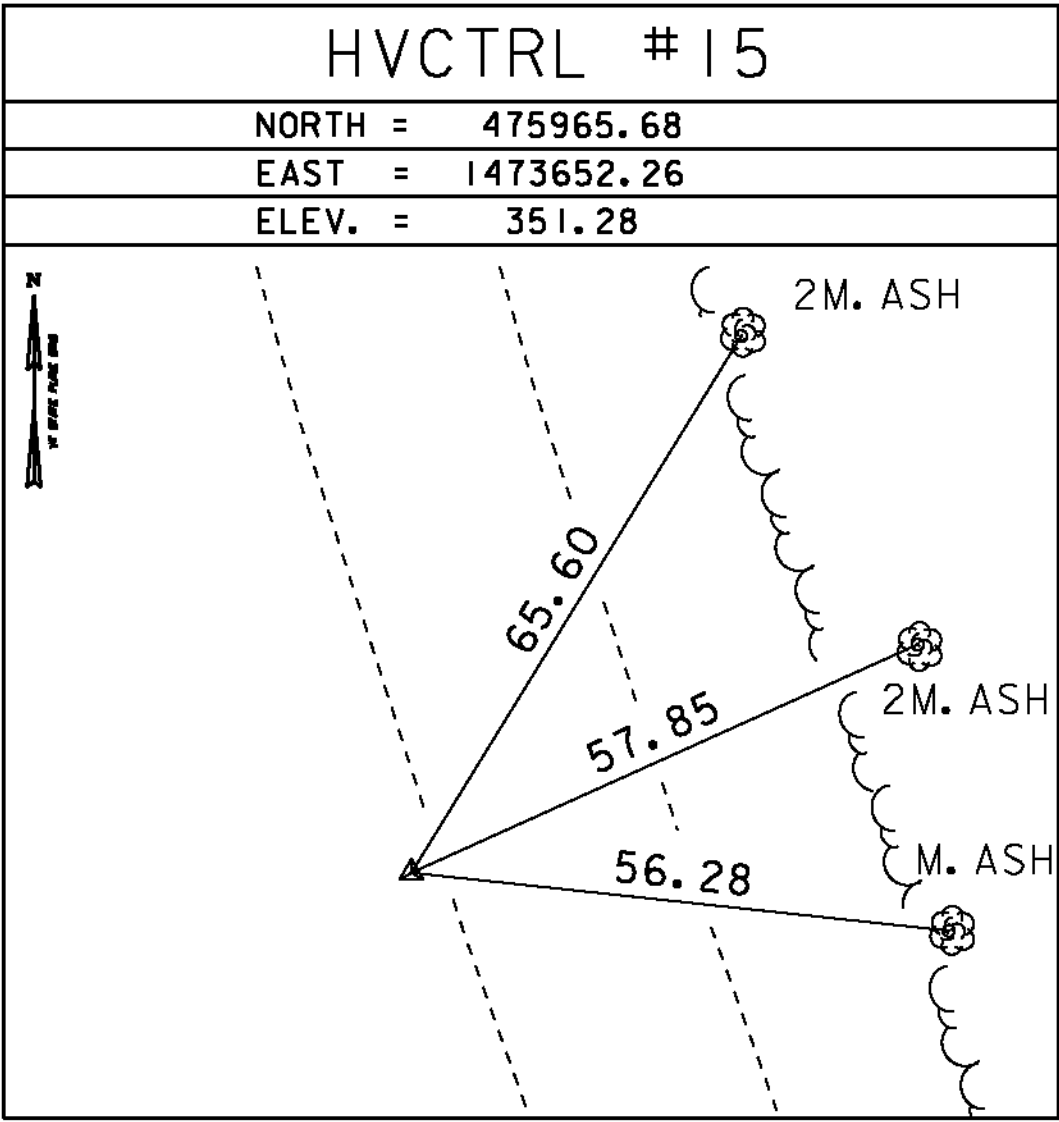
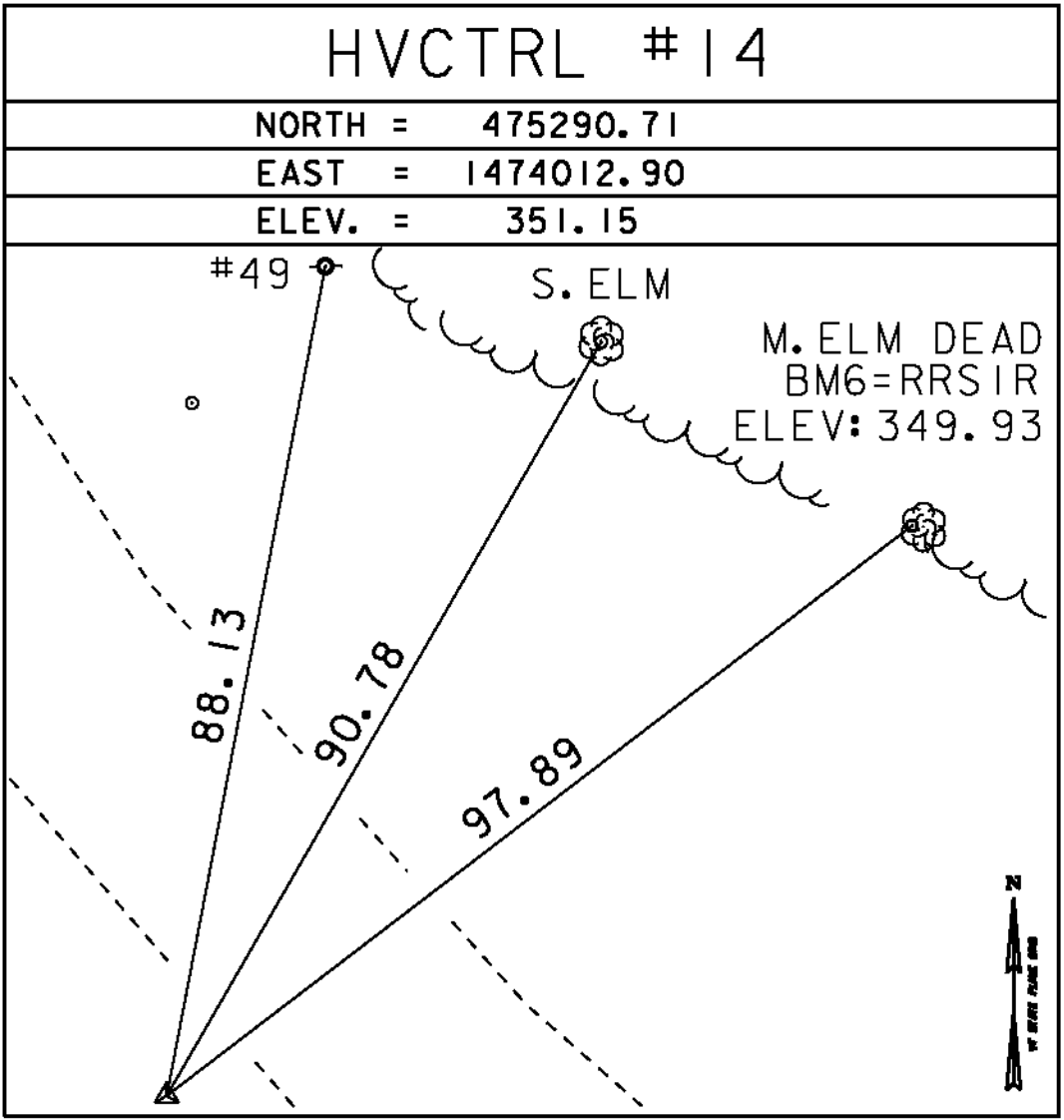
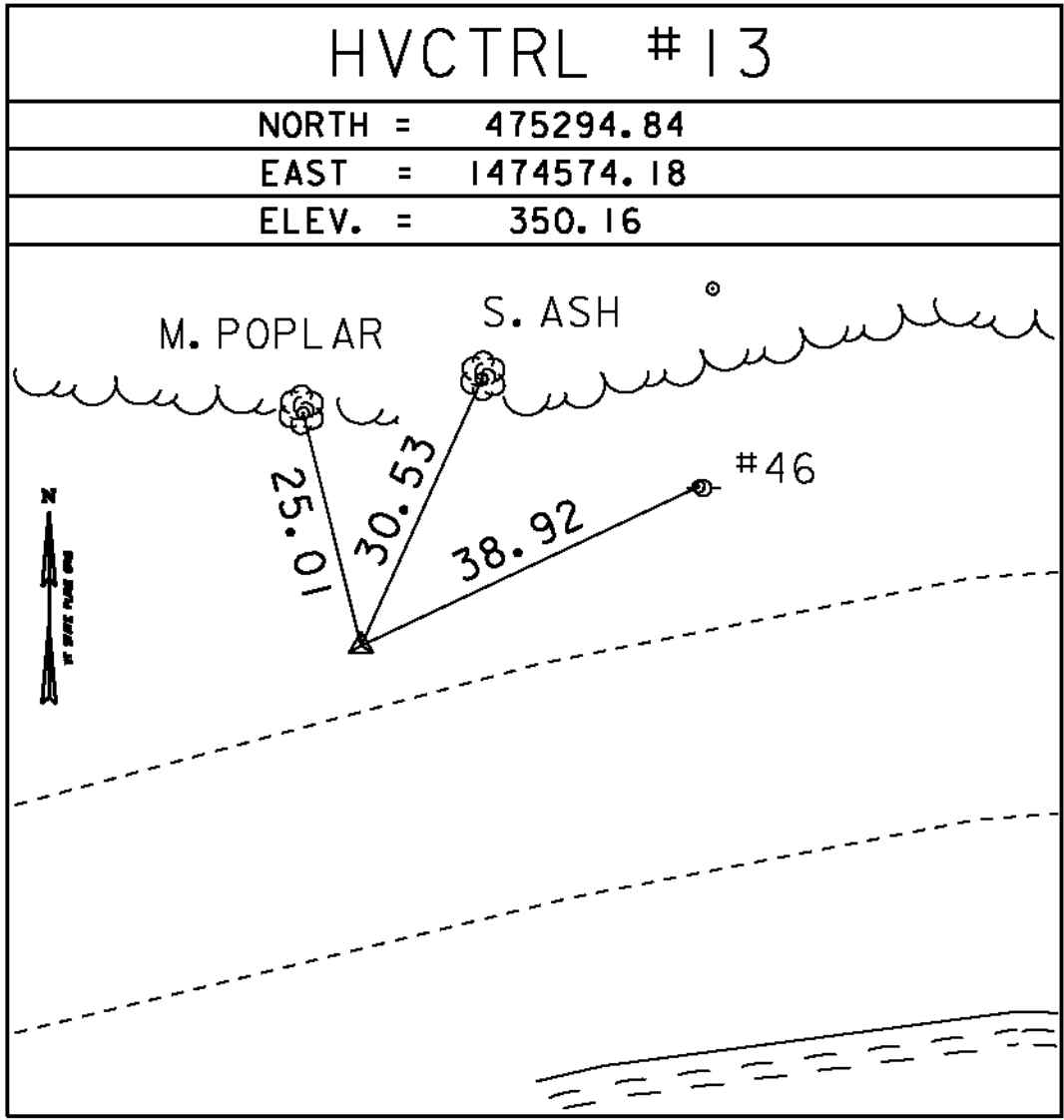


* Main Traverse Completed 4/19/99 by L.Orvis P.C. & R.Bullock

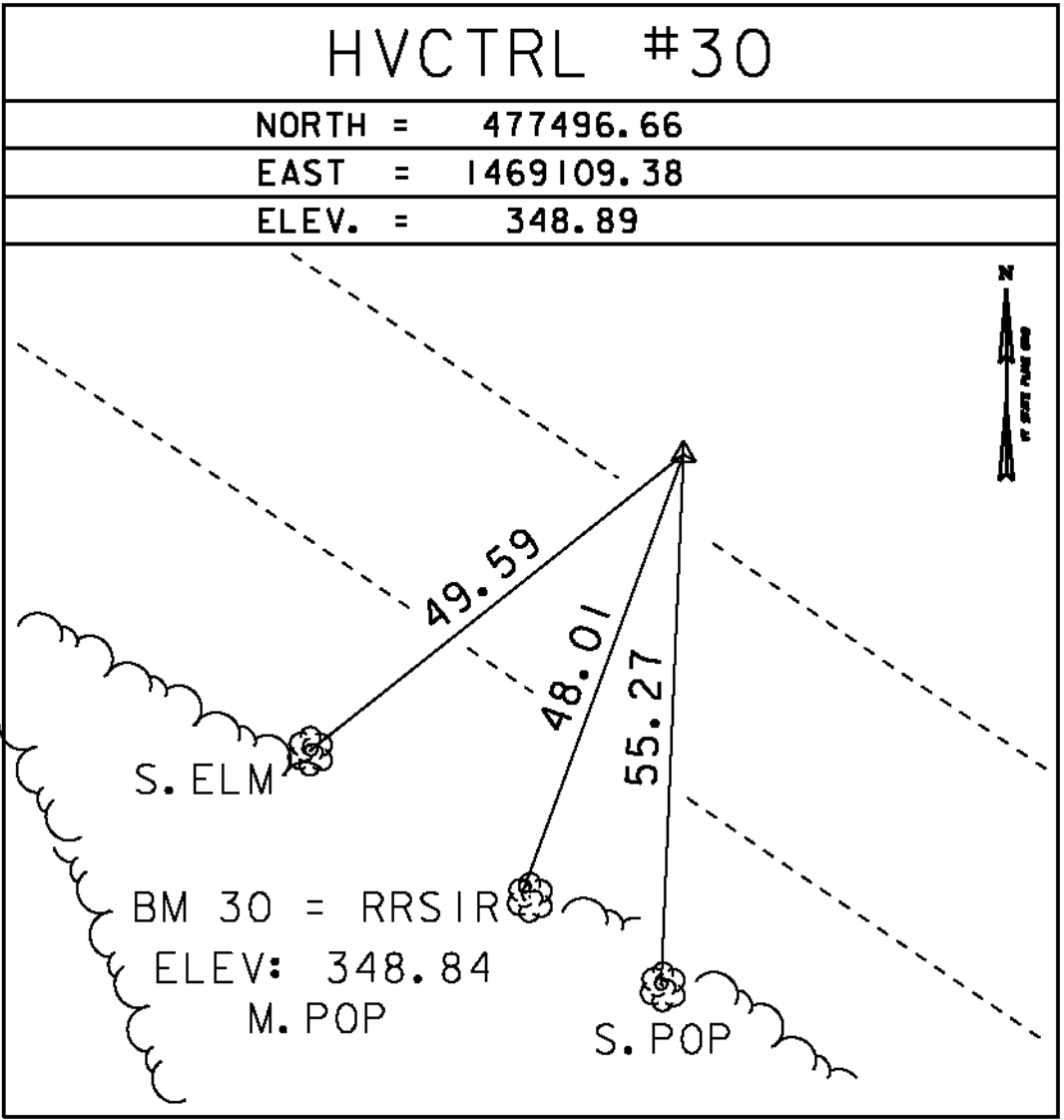
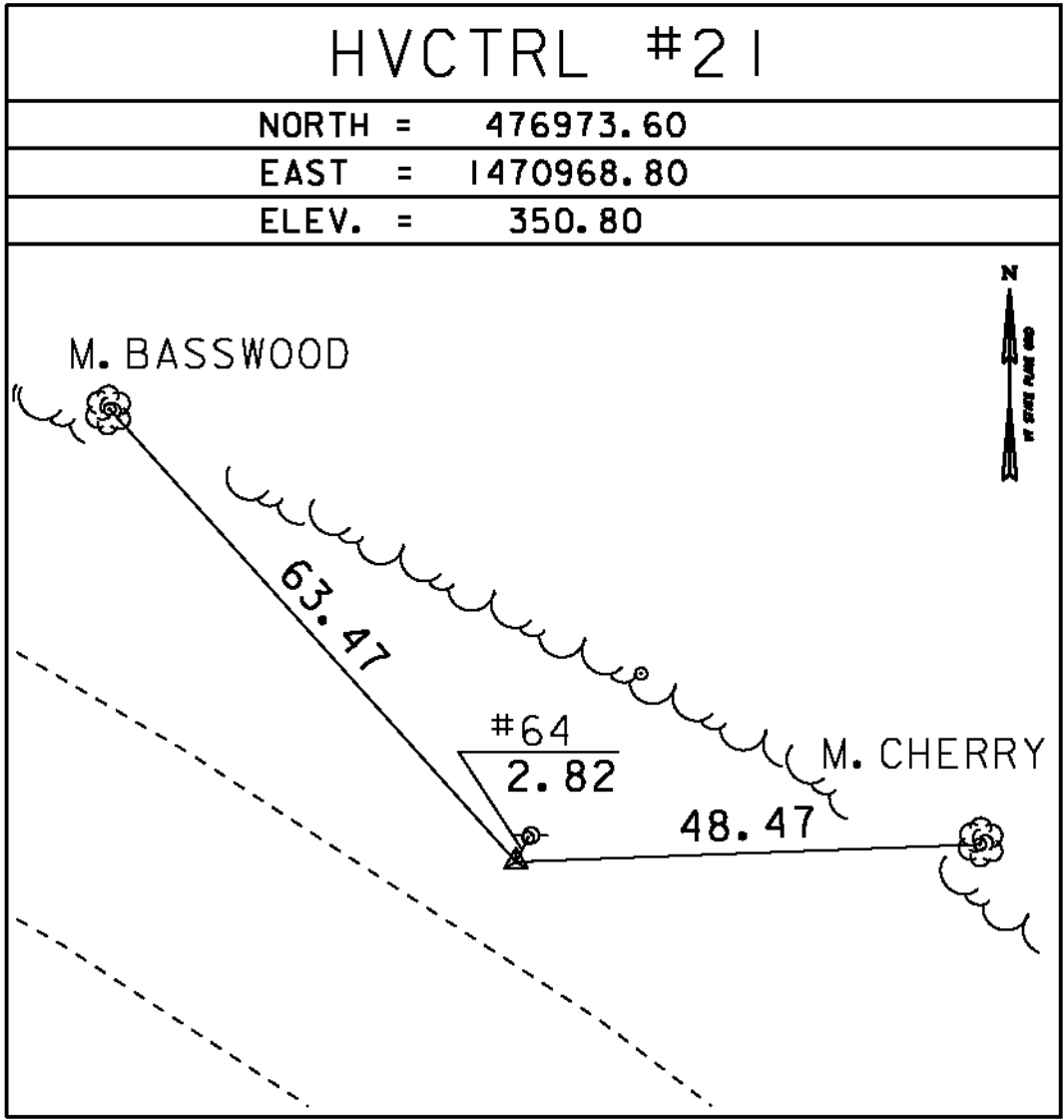
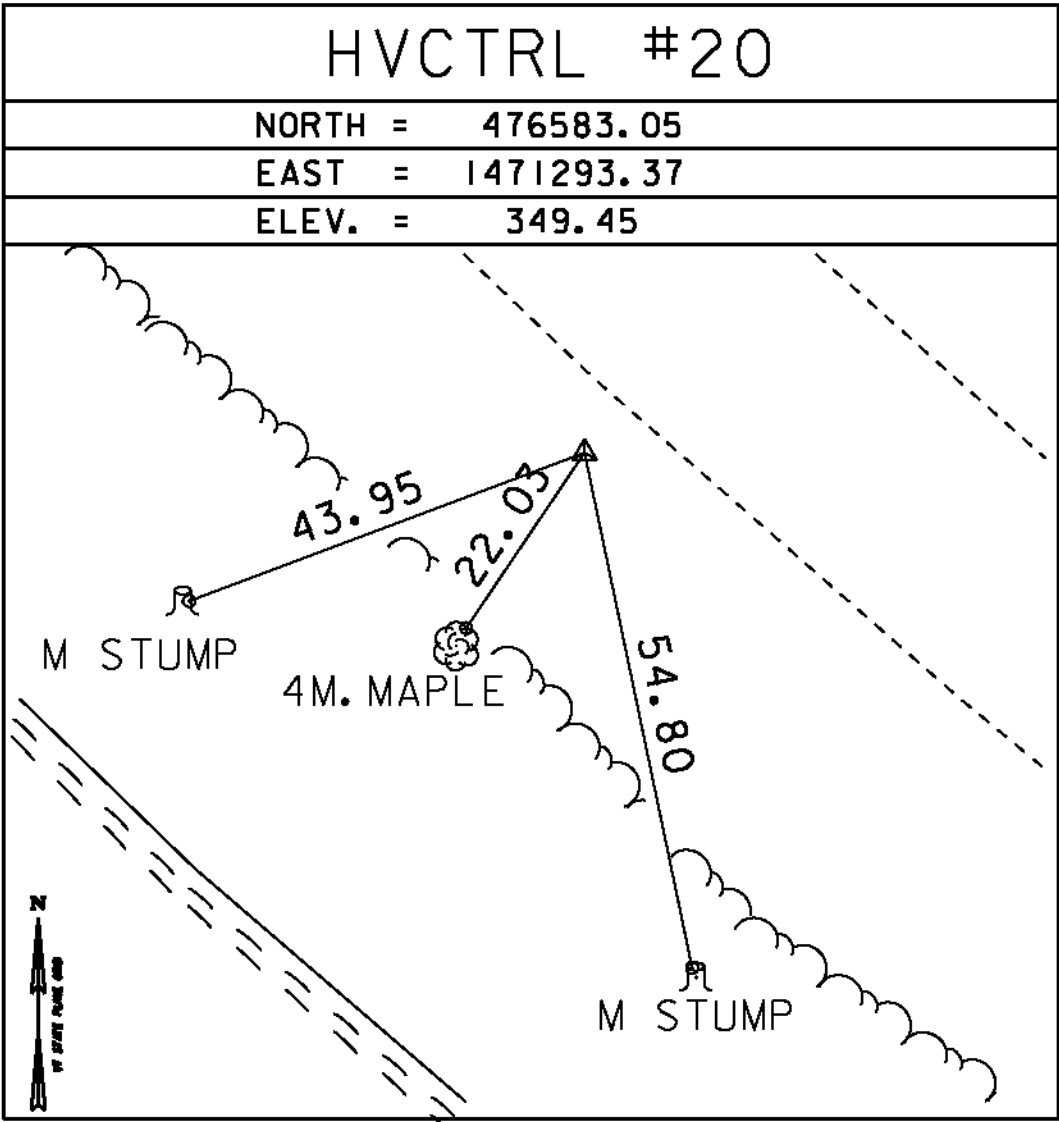
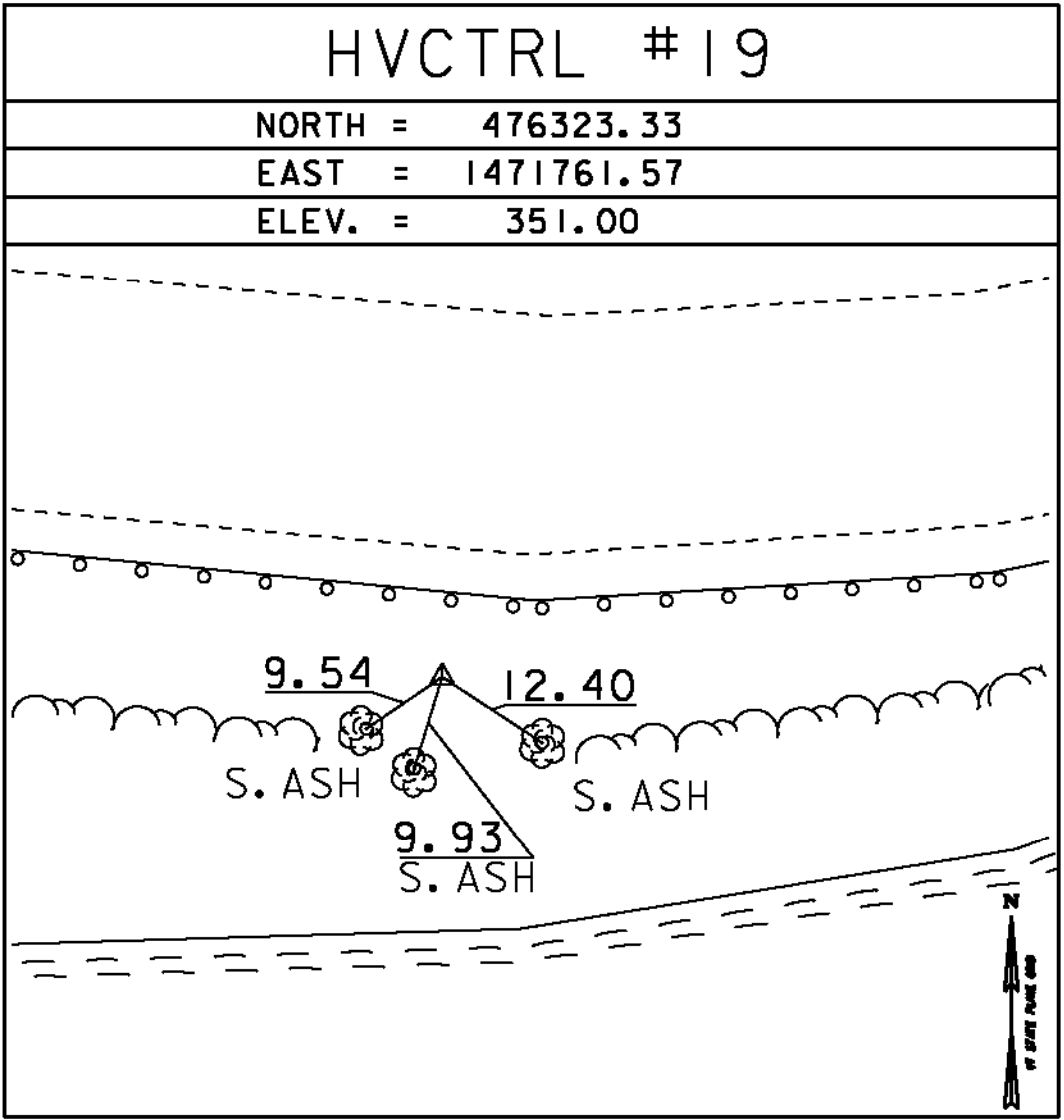
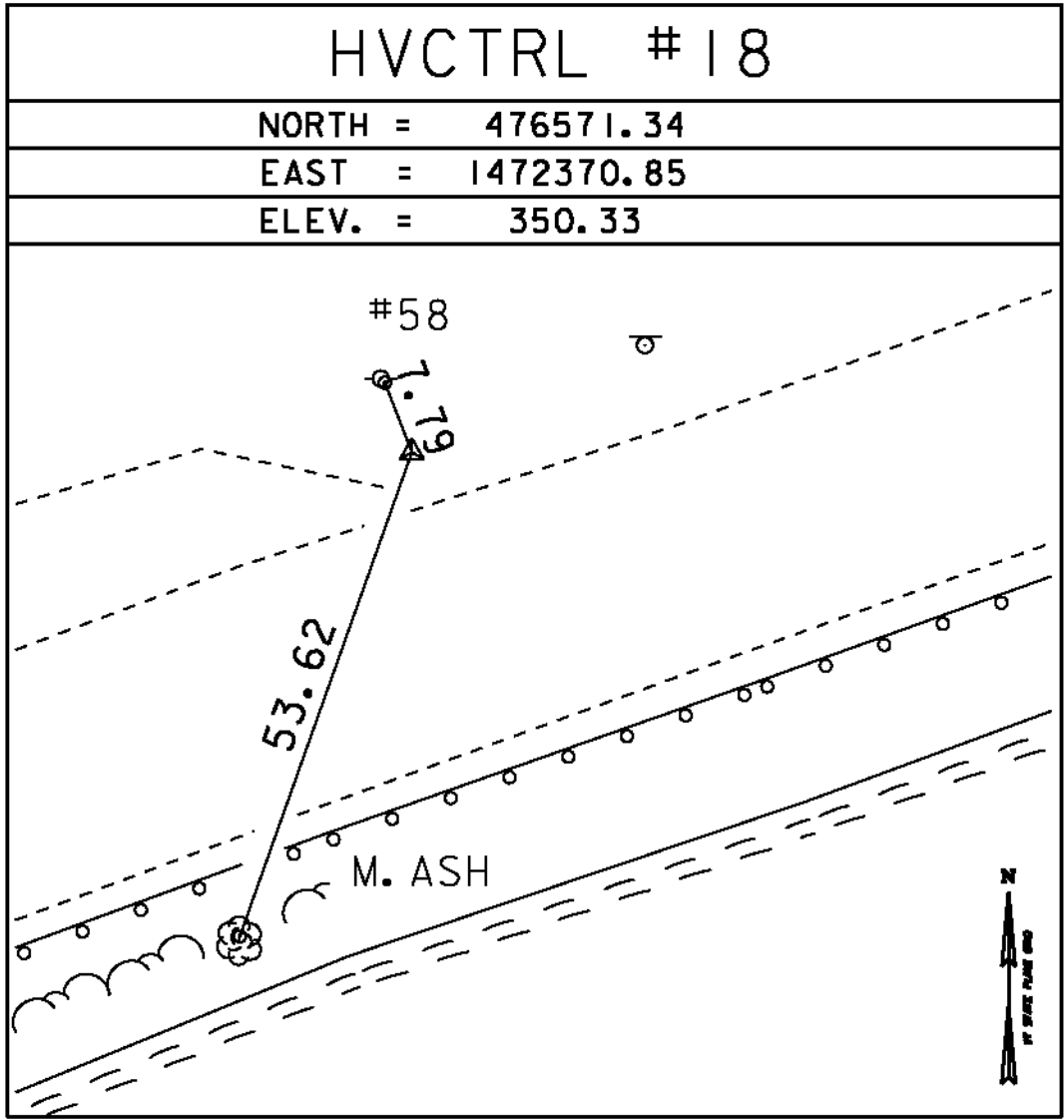
DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	Compass

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204_+1.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
TIE SHEET I	
PLOT DATE:	13-FEB-2013
DRAWN BY:	R. BULLOCK
CHECKED BY:	B. MCADAMS
SHEET 13	OF 137

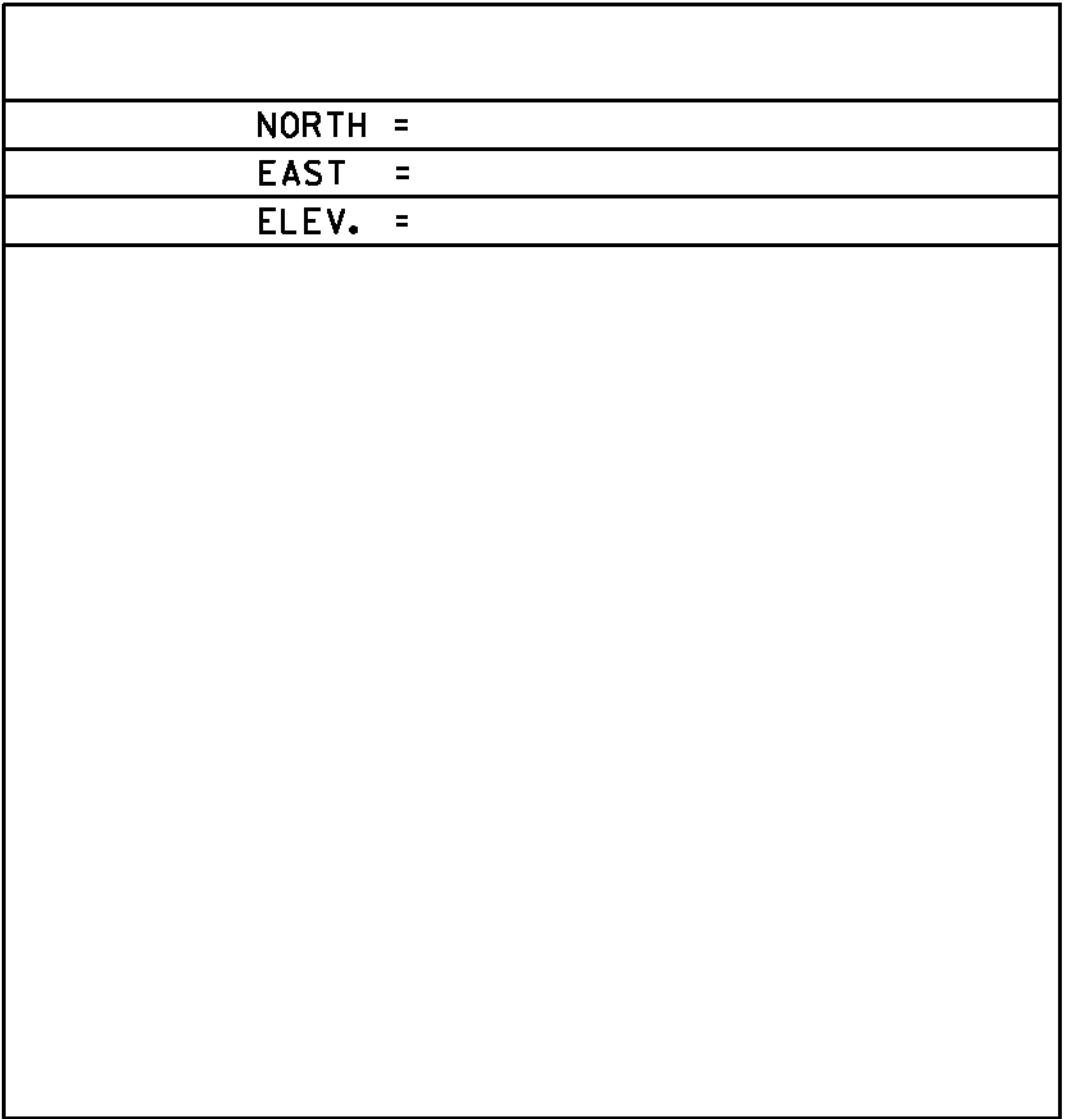
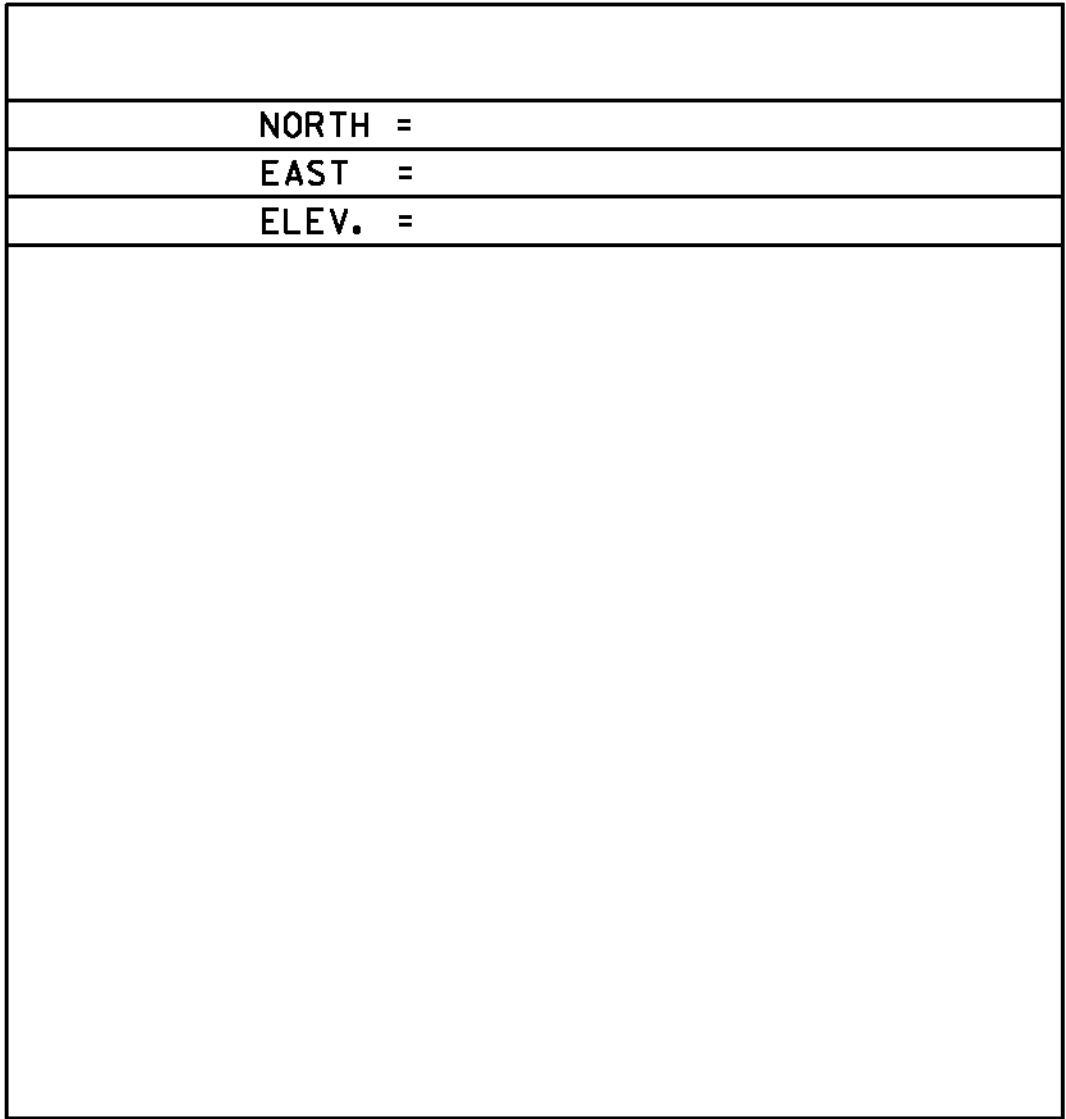
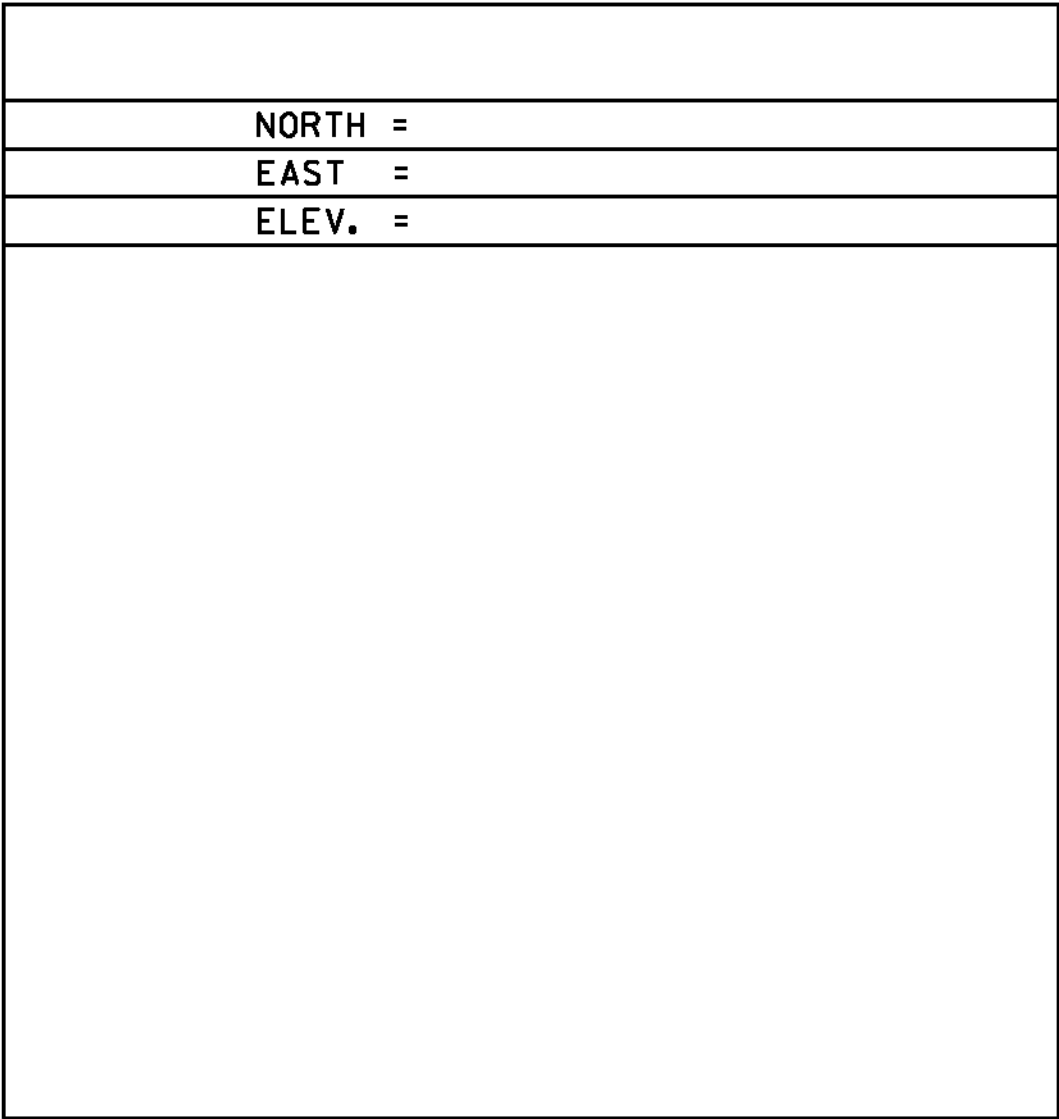
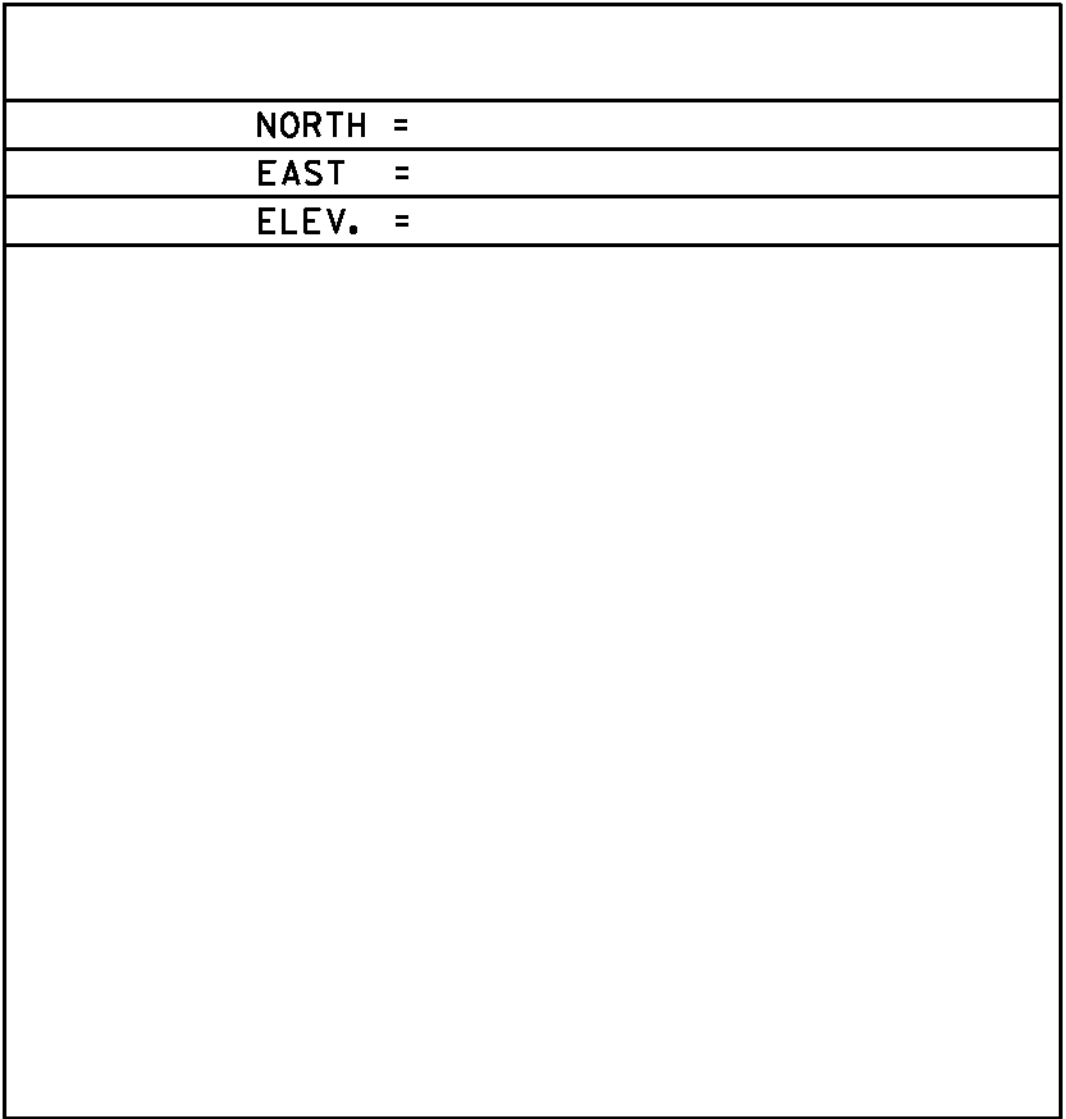
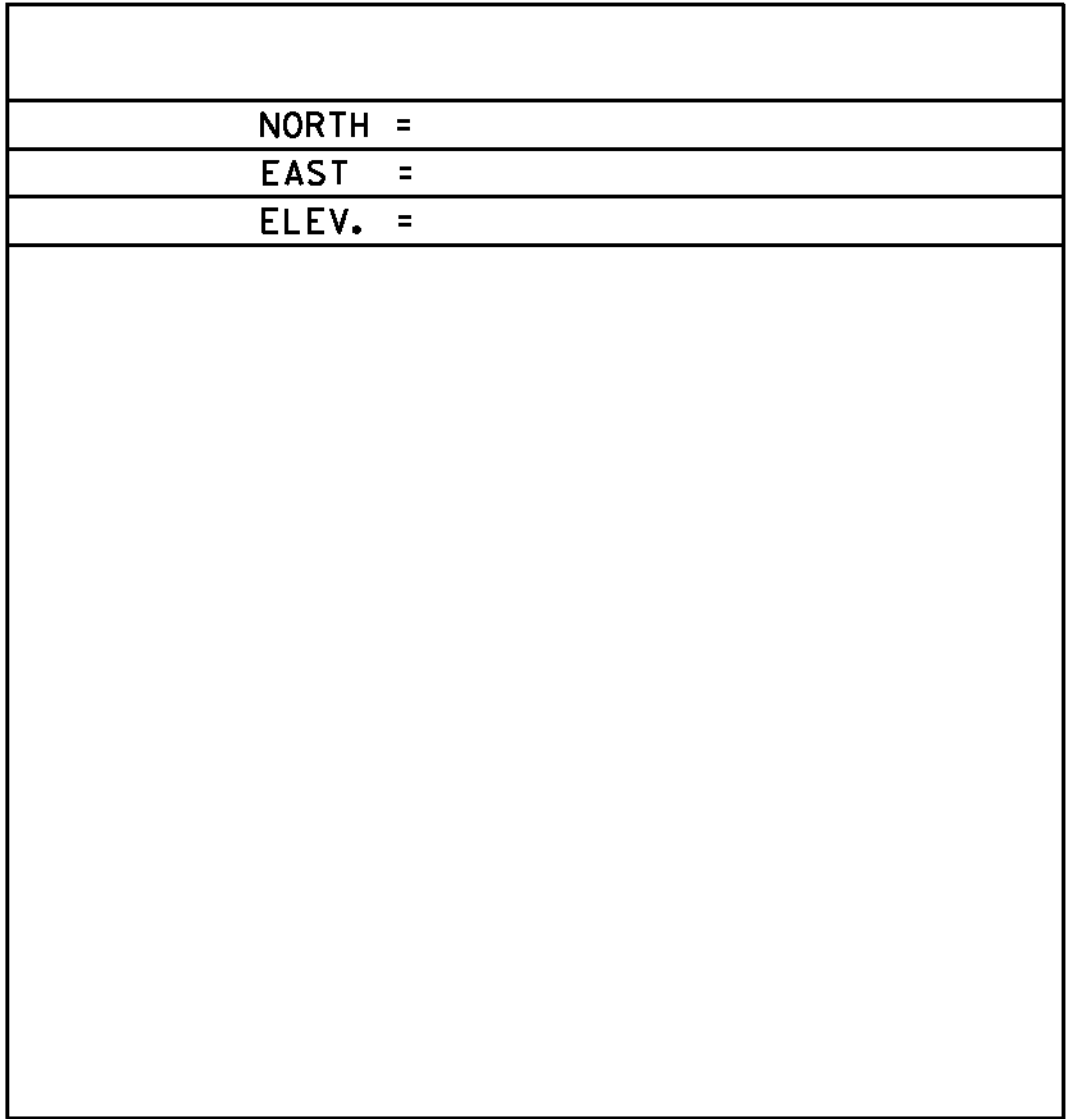
TRAVERSE TIES



TRAVERSE TIES



ALIGNMENT TIES



ALIGNMENT TIES	BRANDON POC 151+00.00	PT 151+29.89	PC 151+50.82	PI 154+40.29	PT 157+29.68
	NORTH = 478074.7983	NORTH = 478057.4892	NORTH = 478045.3743	NORTH = 477877.7775	NORTH = 477720.4522
	EAST = 1468219.3923	EAST = 1468243.7684	EAST = 1468260.8298	EAST = 1468496.8543	EAST = 1468739.8459
	ELEV. = _____	ELEV. = _____	ELEV. = _____	ELEV. = _____	ELEV. = _____
ALIGNMENT TIES	PC 157+38.73	PI 159+80.71	PT 162+22.67	PC 165+24.09	PI 167+94.46
	NORTH = 477715.5321	NORTH = 477584.0213	NORTH = 477447.6347	NORTH = 477277.7432	NORTH = 477125.3505
	EAST = 1468747.4450	EAST = 1468950.5657	EAST = 1469150.4451	EAST = 1469399.4269	EAST = 1469622.7638
	ELEV. = _____	ELEV. = _____	ELEV. = _____	ELEV. = _____	ELEV. = _____
ALIGNMENT TIES	SUDBURY PT 1+85.20	PC 4+33.18	PI 7+28.50	PT 10+12.31	PC 11+29.98
	NORTH = 477148.2538	NORTH = 477169.2602	NORTH = 477194.2764	NORTH = 477079.8736	NORTH = 477034.2900
	EAST = 1469892.1675	EAST = 1470139.2590	EAST = 1470433.5161	EAST = 1470705.7754	EAST = 1470814.2566
	ELEV. = _____	ELEV. = _____	ELEV. = _____	ELEV. = _____	ELEV. = _____
DATUM			PROJECT NAME: SUDBURY-BRANDON		
VERTICAL NAVD 88			PROJECT NUMBER: STP 0158(3)		
HORIZONTAL NAD 83 (96)			FILE NAME: d10c204_frm.dgn		
ADJUSTMENT Compass			PROJECT LEADER: K. UPMAL		
			DESIGNED BY: B. MCADAMS		
			TIE SHEET 3		
			PLOT DATE: 13-FEB-2013		
			DRAWN BY: B. MCADAMS		
			CHECKED BY: A. KEMPTON		
			SHEET 15 OF 137		

ALIGNMENT TIES	<table><tr><td>PI 13+33.73</td></tr><tr><td>NORTH = 476955.3572</td></tr><tr><td>EAST = 1471002.1032</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PI 13+33.73	NORTH = 476955.3572	EAST = 1471002.1032	ELEV. = _____		<table><tr><td>PT 15+29.01</td></tr><tr><td>NORTH = 476796.1830</td></tr><tr><td>EAST = 1471129.3049</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PT 15+29.01	NORTH = 476796.1830	EAST = 1471129.3049	ELEV. = _____		<table><tr><td>PC 15+93.68</td></tr><tr><td>NORTH = 476745.6621</td></tr><tr><td>EAST = 1471169.6779</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PC 15+93.68	NORTH = 476745.6621	EAST = 1471169.6779	ELEV. = _____		<table><tr><td>PI 18+27.75</td></tr><tr><td>NORTH = 476562.8034</td></tr><tr><td>EAST = 1471315.8068</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PI 18+27.75	NORTH = 476562.8034	EAST = 1471315.8068	ELEV. = _____		<table><tr><td>PT 20+57.38</td></tr><tr><td>NORTH = 476438.5964</td></tr><tr><td>EAST = 1471514.2094</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PT 20+57.38	NORTH = 476438.5964	EAST = 1471514.2094	ELEV. = _____	
	PI 13+33.73																													
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NORTH = 476438.5964																														
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ELEV. = _____																														
ALIGNMENT TIES	<table><tr><td>PC 20+98.76</td></tr><tr><td>NORTH = 476416.6416</td></tr><tr><td>EAST = 1471549.2791</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PC 20+98.76	NORTH = 476416.6416	EAST = 1471549.2791	ELEV. = _____		<table><tr><td>PI 23+15.69</td></tr><tr><td>NORTH = 476301.5297</td></tr><tr><td>EAST = 1471733.1535</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PI 23+15.69	NORTH = 476301.5297	EAST = 1471733.1535	ELEV. = _____		<table><tr><td>PT 25+00.58</td></tr><tr><td>NORTH = 476381.0146</td></tr><tr><td>EAST = 1471935.0019</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PT 25+00.58	NORTH = 476381.0146	EAST = 1471935.0019	ELEV. = _____		<table><tr><td>PC 29+62.26</td></tr><tr><td>NORTH = 476550.1736</td></tr><tr><td>EAST = 1472364.5740</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PC 29+62.26	NORTH = 476550.1736	EAST = 1472364.5740	ELEV. = _____		<table><tr><td>PI 33+12.87</td></tr><tr><td>NORTH = 476678.6360</td></tr><tr><td>EAST = 1472690.7985</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PI 33+12.87	NORTH = 476678.6360	EAST = 1472690.7985	ELEV. = _____	
	PC 20+98.76																													
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ALIGNMENT TIES	<table><tr><td>PT 36+57.88</td></tr><tr><td>NORTH = 476701.7498</td></tr><tr><td>EAST = 1473040.6424</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PT 36+57.88	NORTH = 476701.7498	EAST = 1473040.6424	ELEV. = _____		<table><tr><td>PC 36+58.27</td></tr><tr><td>NORTH = 476701.7754</td></tr><tr><td>EAST = 1473041.0293</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PC 36+58.27	NORTH = 476701.7754	EAST = 1473041.0293	ELEV. = _____		<table><tr><td>PI 38+77.32</td></tr><tr><td>NORTH = 476716.2165</td></tr><tr><td>EAST = 1473259.6054</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PI 38+77.32	NORTH = 476716.2165	EAST = 1473259.6054	ELEV. = _____		<table><tr><td>PT 40+70.82</td></tr><tr><td>NORTH = 476564.3906</td></tr><tr><td>EAST = 1473417.5071</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PT 40+70.82	NORTH = 476564.3906	EAST = 1473417.5071	ELEV. = _____		<table><tr><td>PC 41+17.28</td></tr><tr><td>NORTH = 476532.1848</td></tr><tr><td>EAST = 1473451.0017</td></tr><tr><td>ELEV. = _____</td></tr><tr><td></td></tr></table>	PC 41+17.28	NORTH = 476532.1848	EAST = 1473451.0017	ELEV. = _____	
	PT 36+57.88																													
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<table><tr><td>DATUM</td><td></td></tr><tr><td>VERTICAL</td><td>NAVD 88</td></tr><tr><td>HORIZONTAL</td><td>NAD 83 (96)</td></tr><tr><td>ADJUSTMENT</td><td>Compass</td></tr></table>					DATUM		VERTICAL	NAVD 88	HORIZONTAL	NAD 83 (96)	ADJUSTMENT	Compass	<table><tr><td colspan="2">PROJECT NAME: SUDBURY-BRANDON</td></tr><tr><td colspan="2">PROJECT NUMBER: STP 0158(3)</td></tr><tr><td>FILE NAME: dl0c204_frm.dgn</td><td>PLOT DATE: 13-FEB-2013</td></tr><tr><td>PROJECT LEADER: K. UPMAL</td><td>DRAWN BY: B. MCADAMS</td></tr><tr><td>DESIGNED BY: B. MCADAMS</td><td>CHECKED BY: A. KEMPTON</td></tr><tr><td>TIE SHEET 4</td><td>SHEET 16 OF 137</td></tr></table>					PROJECT NAME: SUDBURY-BRANDON		PROJECT NUMBER: STP 0158(3)		FILE NAME: dl0c204_frm.dgn	PLOT DATE: 13-FEB-2013	PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS	DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON	TIE SHEET 4	SHEET 16 OF 137	
DATUM																														
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TIE SHEET 4	SHEET 16 OF 137																													

ALIGNMENT TIES	PI 42+74.12 NORTH = 476423.4847 EAST = 1473564.0518 ELEV. =	PT 44+21.23 NORTH = 476269.6906 EAST = 1473594.7673 ELEV. =	PC 45+23.51 NORTH = 476169.3872 EAST = 1473614.7998 ELEV. =	PI 47+55.46 NORTH = 475434.9645 EAST = 1473660.2263 ELEV. =	PT 49+84.56 NORTH = 475734.9645 EAST = 1473764.9245 ELEV. =
	PC 49+85.29 NORTH = 475734.3103 EAST = 1473765.2554 ELEV. =	PI 51+37.69 NORTH = 475598.3146 EAST = 1473834.0506 ELEV. =	PT 52+89.86 NORTH = 475469.7227 EAST = 1473915.8537 ELEV. =	PC 54+28.74 NORTH = 475352.5373 EAST = 1473990.4006 ELEV. =	PI 56+79.80 NORTH = 475140.7127 EAST = 1474125.1518 ELEV. =
	PT 58+57.98 NORTH = 475214.0614 EAST = 1474365.2507 ELEV. =	PC 60+48.73 NORTH = 475269.7914 EAST = 1474547.6767 ELEV. =	PI 61+76.30 NORTH = 475307.0632 EAST = 1474669.6817 ELEV. =	PT 62+99.02 NORTH = 475275.4420 EAST = 1475066.1845 ELEV. =	PC 63+47.82 NORTH = 475275.4420 EAST = 1474843.2010 ELEV. =

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	Compass

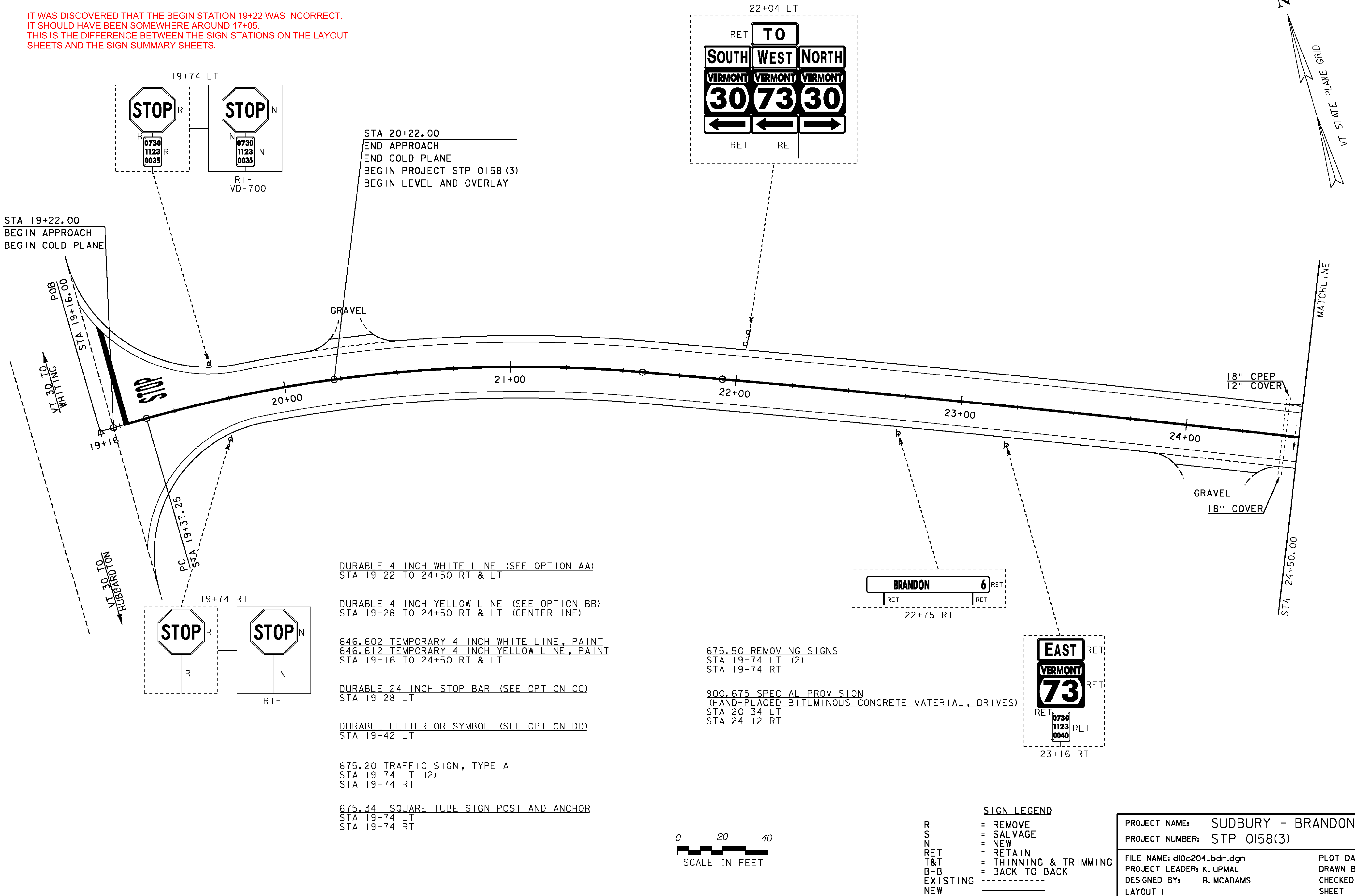
PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
TIE SHEET 5	SHEET 17 OF 137

ALIGNMENT TIES	PI 65+74.48 NORTH = 475275.4420 EAST = 1475066.1845 ELEV. =	PT 67+66.42 NORTH = 475029.6611 EAST = 1475162.5596 ELEV. =	PC 71+69.82 NORTH = 474664.5392 EAST = 1475334.0900 ELEV. =	PI 74+66.30 NORTH = 474396.2010 EAST = 1475460.1525 ELEV. =	PT 77+30.71 NORTH = 474300.0325 EAST = 1475740.5963 ELEV. =
	PC 77+32.26 NORTH = 474299.5285 EAST = 1475742.0659 ELEV. =	PI 79+06.28 NORTH = 474243.0818 EAST = 1475906.6742 ELEV. =	PT 80+76.84 NORTH = 474245.4574 EAST = 1476080.6740 ELEV. =	PC 81+55.67 NORTH = 474246.6807 EAST = 1476159.4878 ELEV. =	PI 82+91.95 NORTH = 474248.6206 EAST = 1476295.7542 ELEV. =
	PT 84+28.17 NORTH = 474243.5548 EAST = 1476431.9402 ELEV. =	PC 84+46.62 NORTH = 474242.8687 EAST = 1476450.3833 ELEV. =	PI 86+85.56 NORTH = 474233.9871 EAST = 1476689.1534 ELEV. =	PT 89+24.47 NORTH = 474219.1817 EAST = 1476927.6295 ELEV. =	POE 89+91.51 NORTH = 474215.0272 EAST = 1476994.5478 ELEV. =

DATUM	
VERTICAL	NAVD 88
HORIZONTAL	NAD 83 (96)
ADJUSTMENT	Compass

PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
TIE SHEET 6	SHEET 18 OF 137

IT WAS DISCOVERED THAT THE BEGIN STATION 19+22 WAS INCORRECT.
IT SHOULD HAVE BEEN SOMEWHERE AROUND 17+05.
THIS IS THE DIFFERENCE BETWEEN THE SIGN STATIONS ON THE LAYOUT
SHEETS AND THE SIGN SUMMARY SHEETS.



DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 19+22 TO 24+50 RT & LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 19+28 TO 24+50 RT & LT (CENTERLINE)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 19+16 TO 24+50 RT & LT

DURABLE 24 INCH STOP BAR (SEE OPTION CC)
STA 19+28 LT

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 19+42 LT

675.20 TRAFFIC SIGN, TYPE A
STA 19+74 LT (2)
STA 19+74 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 19+74 LT
STA 19+74 RT

675.50 REMOVING SIGNS
STA 19+74 LT (2)
STA 19+74 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 20+34 LT
STA 24+12 RT

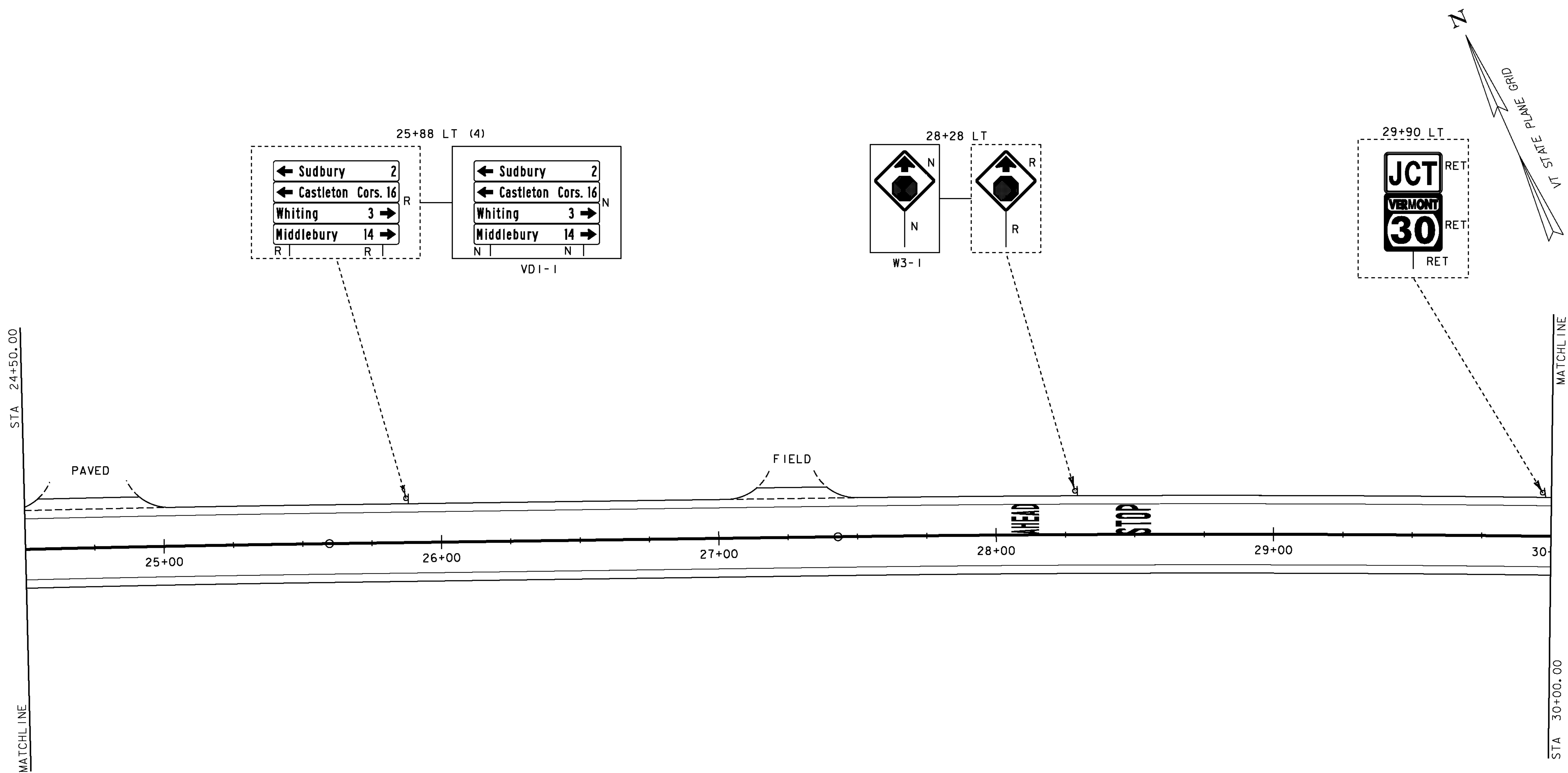
SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING =
NEW =

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT I

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 19 OF 137



DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 24+50 TO 30+00 RT & LT

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 28+08 LT "AHEAD"
STA 28+48 LT "STOP"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 24+50 TO 30+00 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 25+88 LT (4)
STA 28+28 LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 25+88 LT (2)
STA 28+28 LT

675.50 REMOVING SIGNS
STA 25+88 LT (4)
STA 28+28 LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 24+76 LT
STA 27+28 LT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 2	SHEET 20 OF 137

613.10 STONE FILL, TYPE I
STA 34+10 TO 35+50 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 30+00 TO 35+50 RT & LT

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 33+40 RT "SCHOOL"

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 30+00 TO 35+50 RT & LT

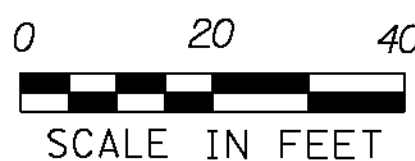
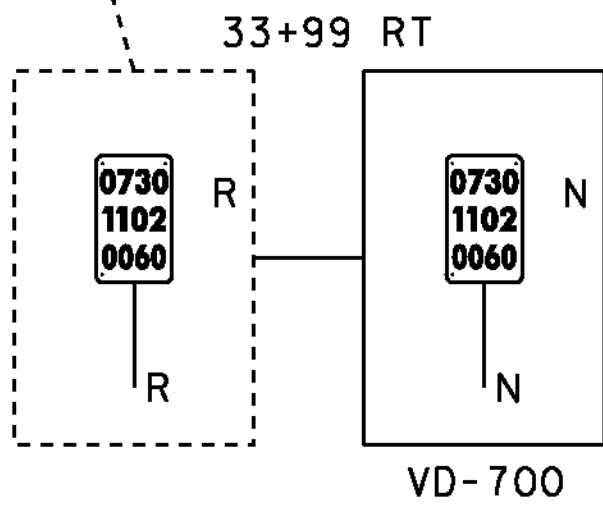
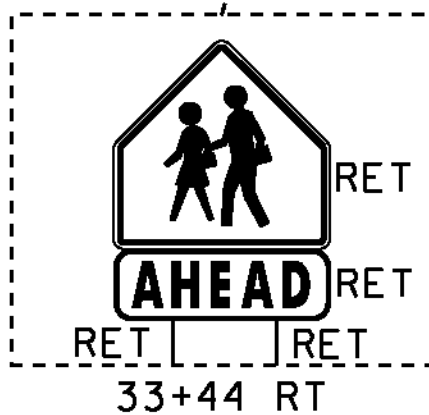
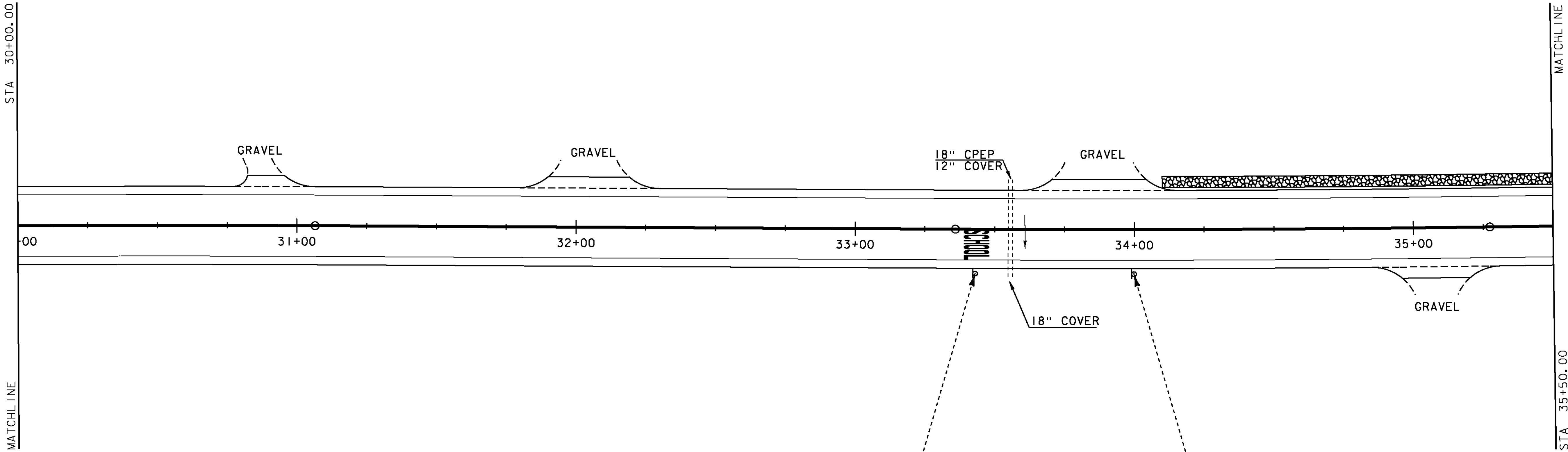
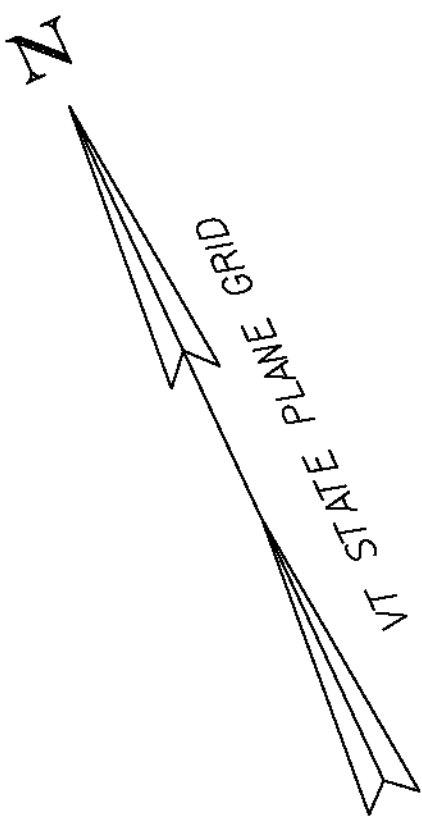
649.31 GEOTEXTILE UNDER STONE FILL
STA 34+10 TO 35+50 LT

675.20 TRAFFIC SIGN, TYPE A
STA 33+99 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 33+99 RT

675.50 REMOVING SIGNS
STA 33+99 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 30+92 LT
STA 32+06 LT
STA 33+92 LT
STA 35+10 RT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 3	SHEET 21 OF 137

601.00 16 18" CSP .079 (2-2/3 X 1/2)
STA 35+54 TO 36+02 LT

613.10 STONE FILL, TYPE I
STA 35+50 TO 35+54 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 35+50 TO 39+21 RT
STA 39+48 TO 41+00 RT
STA 35+50 TO 41+00 LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 35+50 TO 39+14 LT & RT (CENTERLINE)
STA 39+54 TO 41+00 LT & RT (CENTERLINE)
STA 39+34 RT (CENTERLINE TH #10)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 35+50 TO 41+00 RT & LT

DURABLE 24 INCH STOP BAR (SEE OPTION CC)
STA 39+35 TO 39+60 RT (TH #10)

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 39+41 RT "STOP" (TH #10)

649.31 GEOTEXTILE UNDER STONE FILL
STA 35+50 TO 35+54 LT

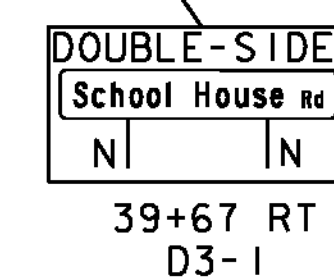
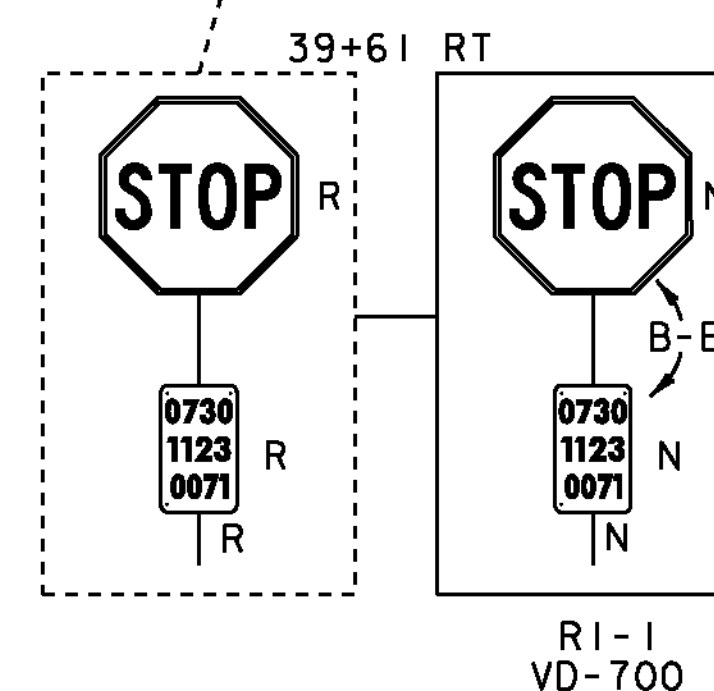
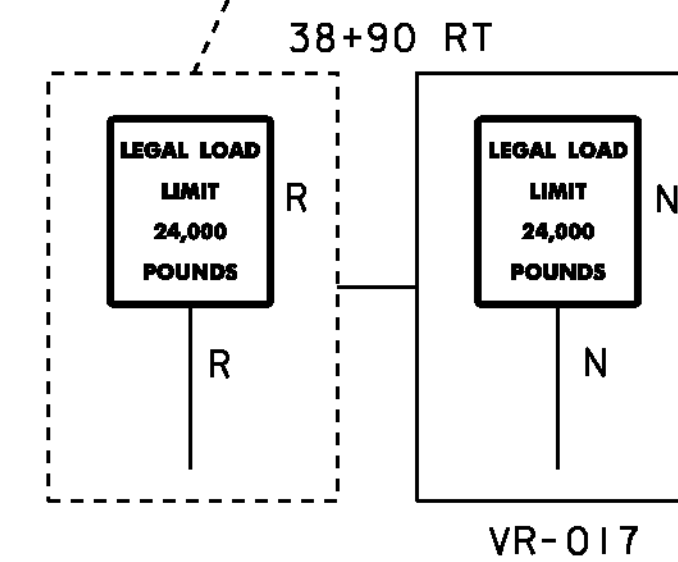
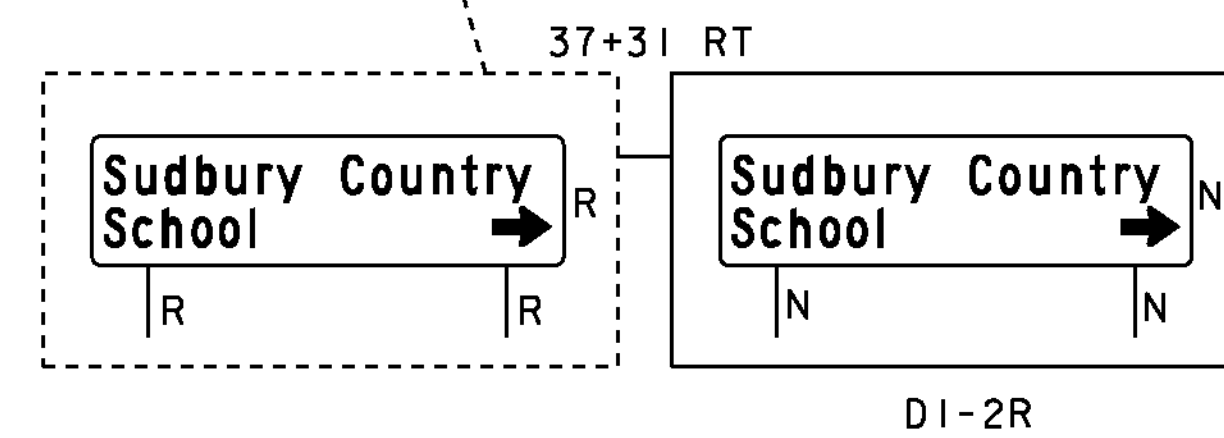
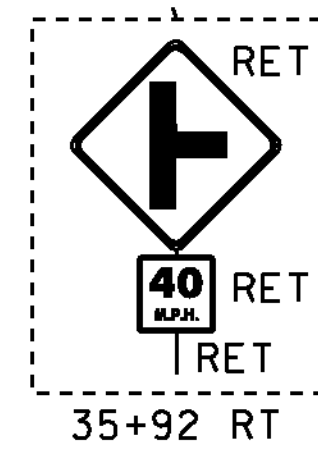
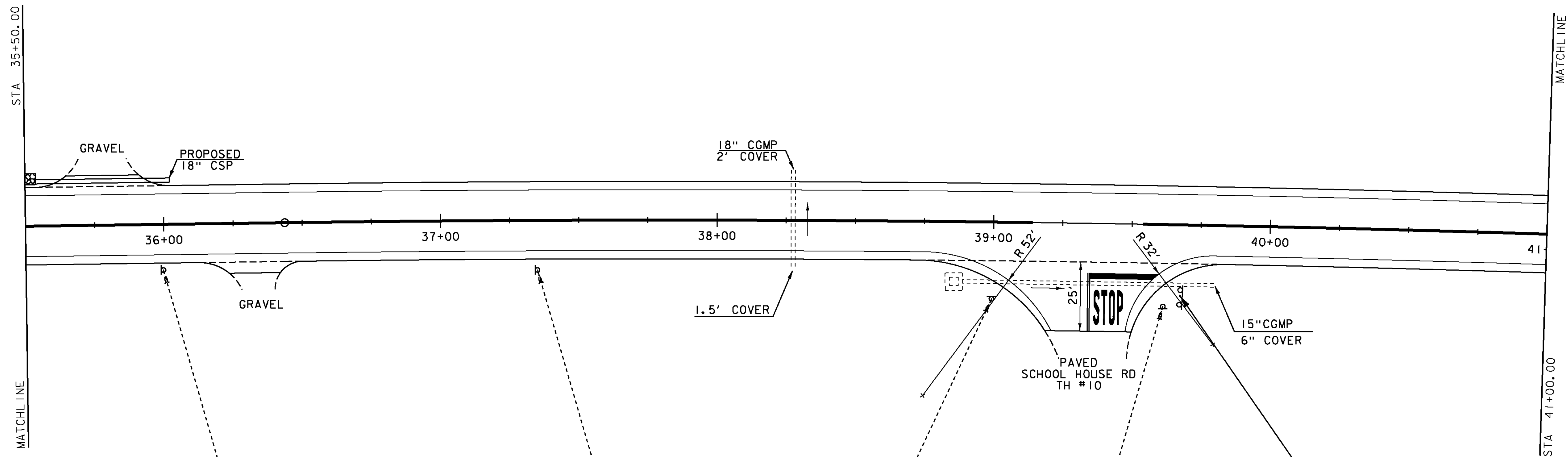
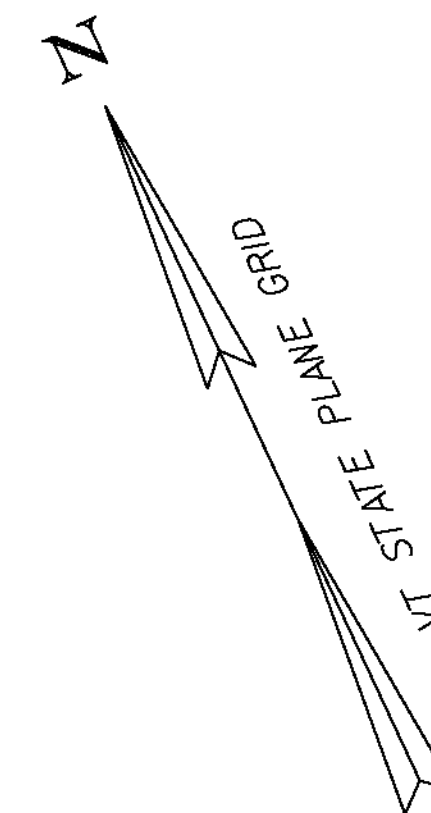
675.20 TRAFFIC SIGN, TYPE A
STA 37+31 RT
STA 38+90 RT
STA 39+61 RT (2)
STA 39+67 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 37+31 RT (2)
STA 39+61 RT
STA 39+67 RT (2)

675.50 REMOVING SIGNS
STA 37+31 RT
STA 38+90 RT
STA 39+61 RT (2)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 35+82 LT
STA 36+32 RT

SIDE ROAD
STA 39+34 RT (TH #10)



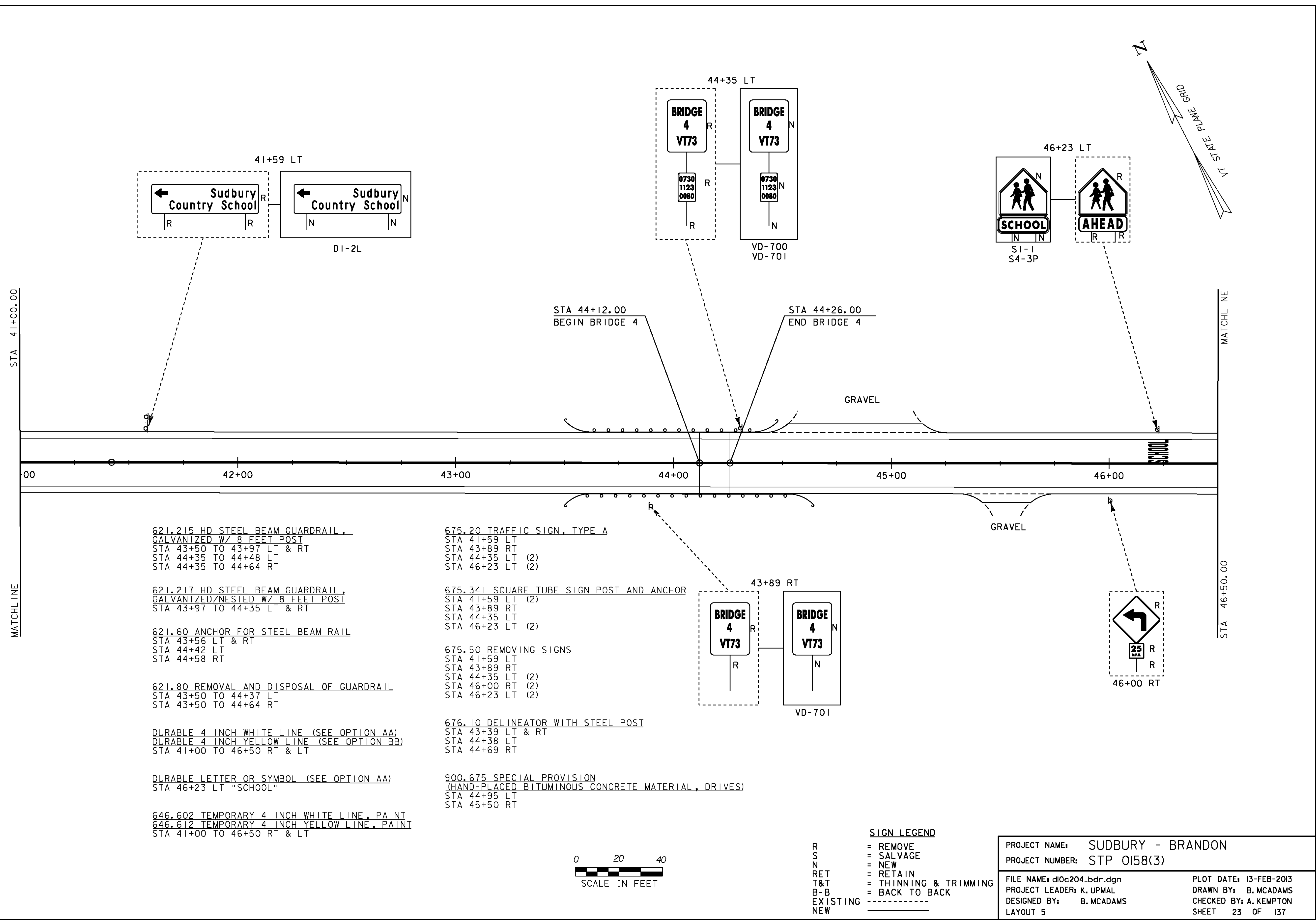
0 20 40
SCALE IN FEET

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING = DASHED LINE
NEW = SOLID LINE

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 4

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 22 OF 137



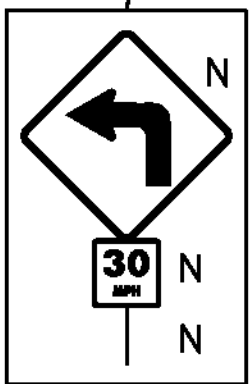
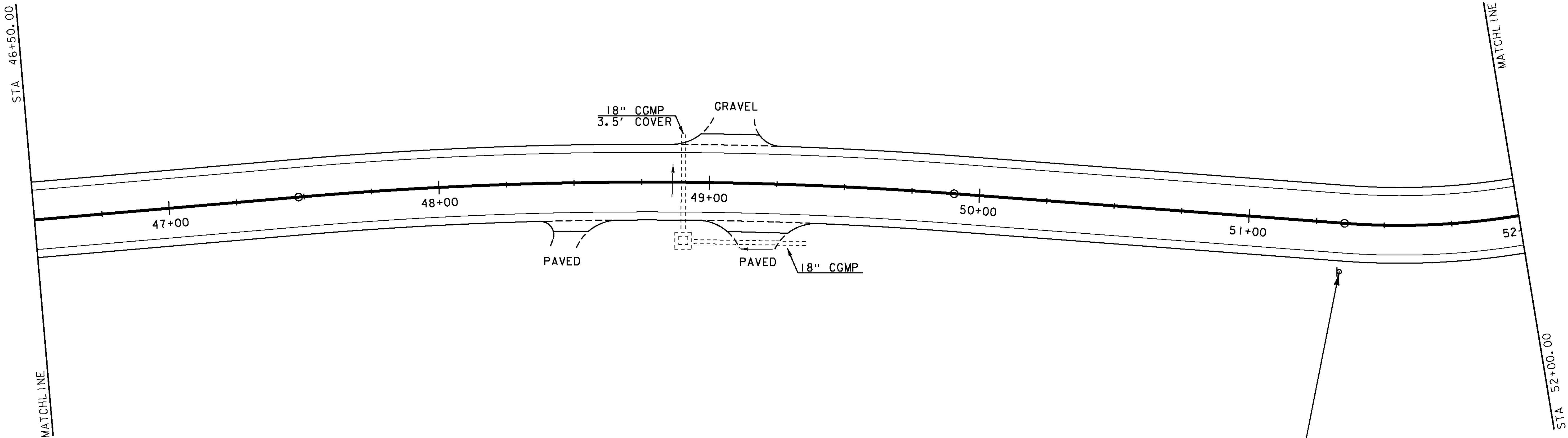
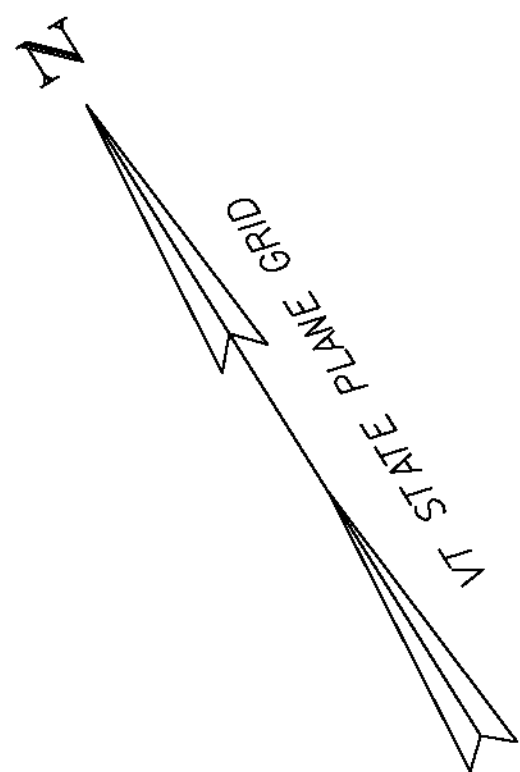
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 46+50 TO 52+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 46+50 TO 52+00 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 51+35 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 51+35 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 48+52 RT
STA 49+08 LT
STA 49+18 RT



51+35 RT
W1-2L
W13-1P



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 6

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 24 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 52+00 TO 57+50 RT & LT

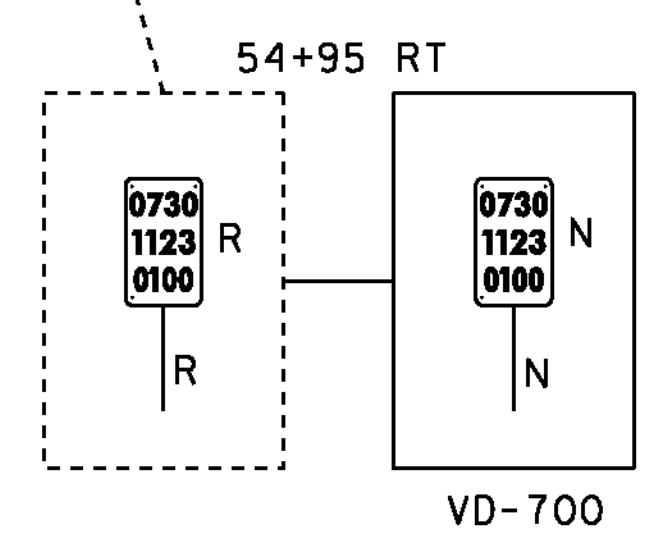
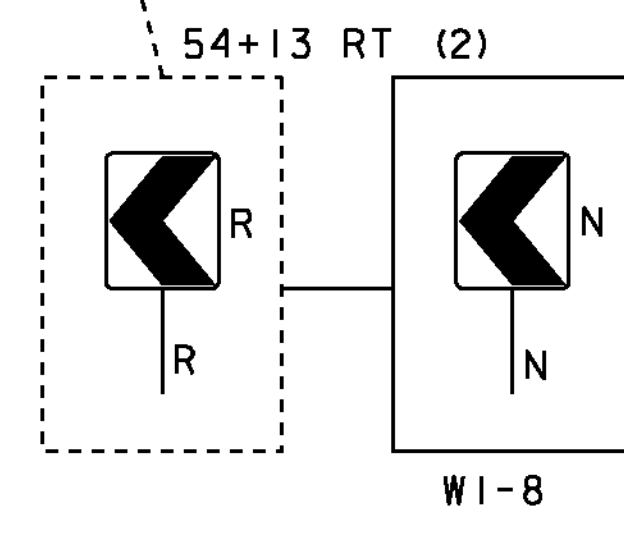
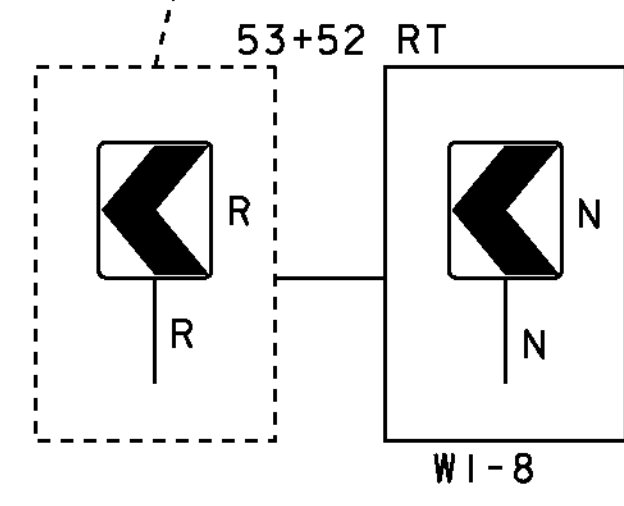
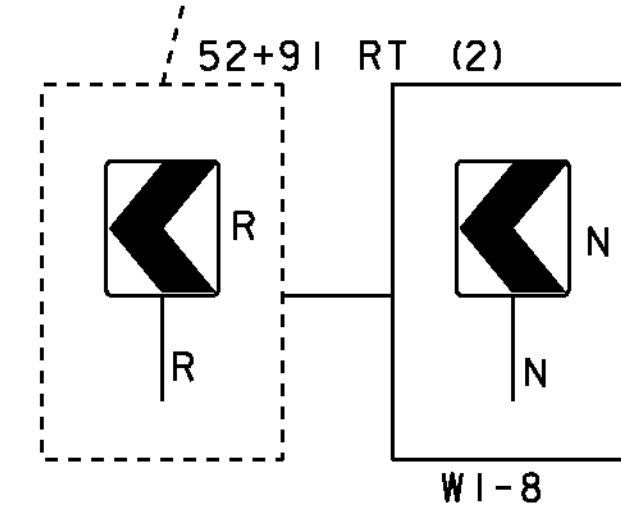
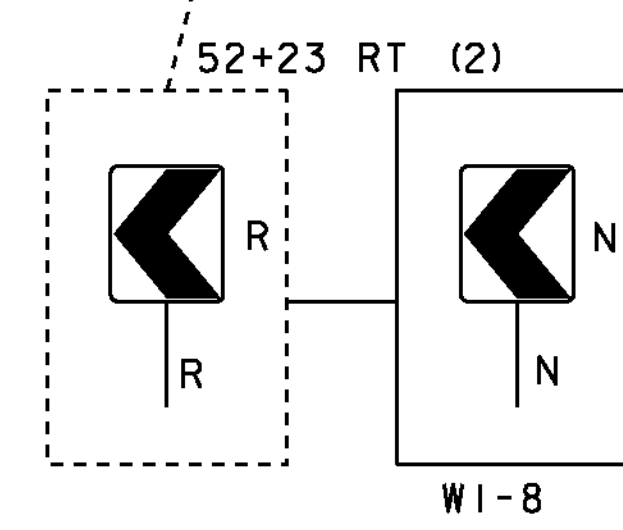
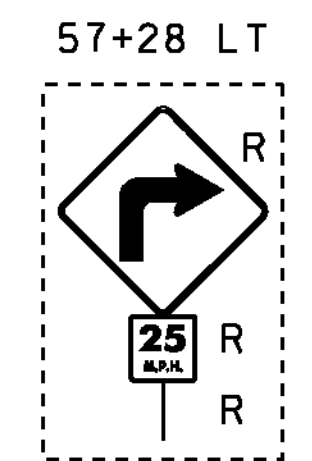
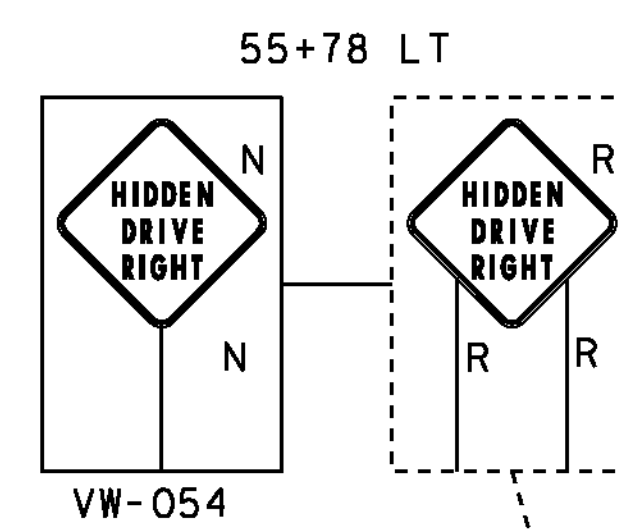
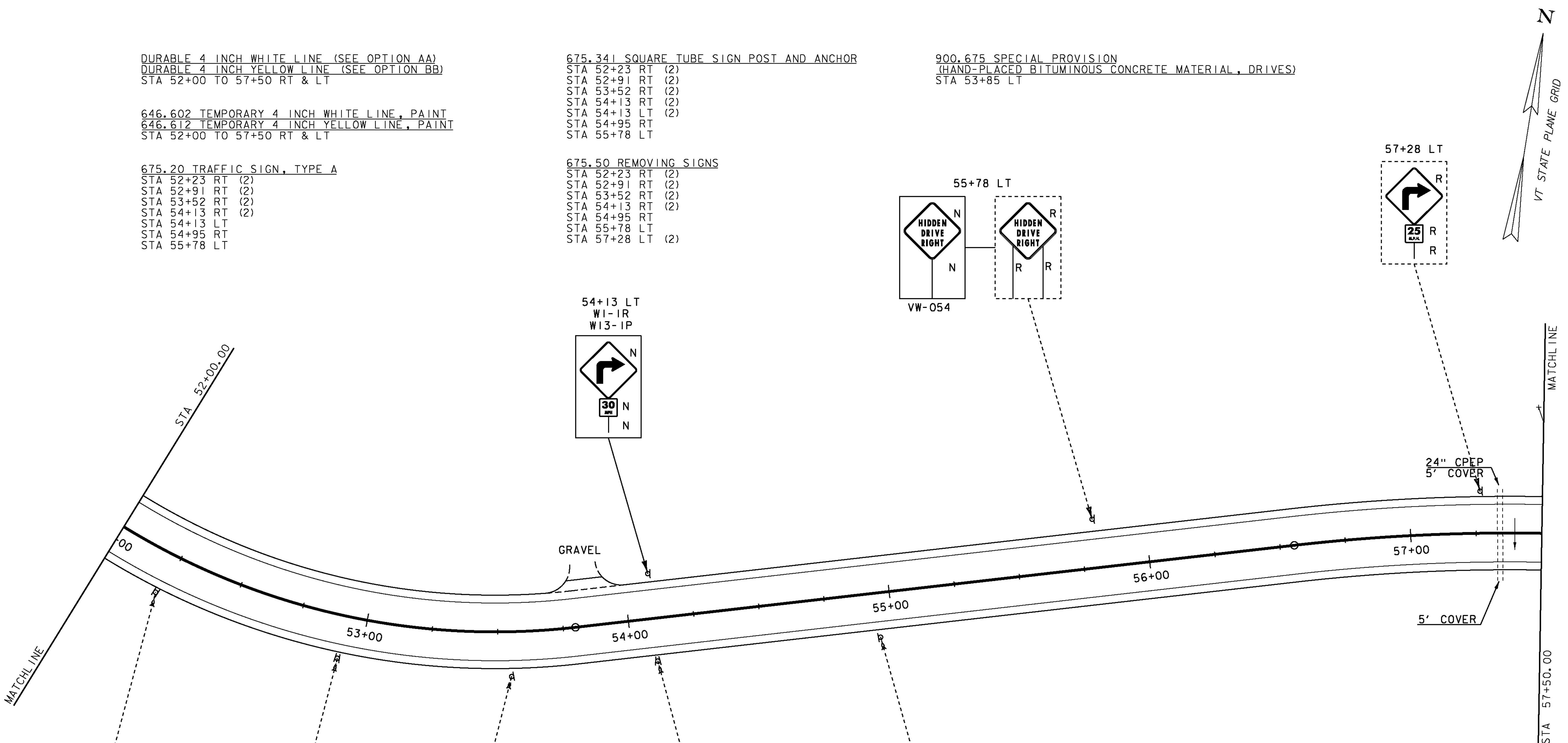
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 52+00 TO 57+50 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 52+23 RT (2)
STA 52+91 RT (2)
STA 53+52 RT (2)
STA 54+13 RT (2)
STA 54+13 LT
STA 54+95 RT
STA 55+78 LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 52+23 RT (2)
STA 52+91 RT (2)
STA 53+52 RT (2)
STA 54+13 RT (2)
STA 54+13 LT (2)
STA 54+95 RT
STA 55+78 LT

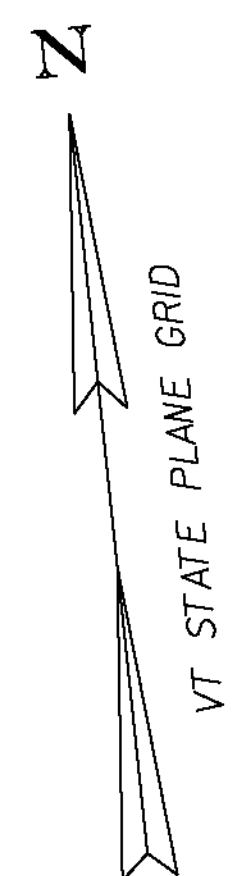
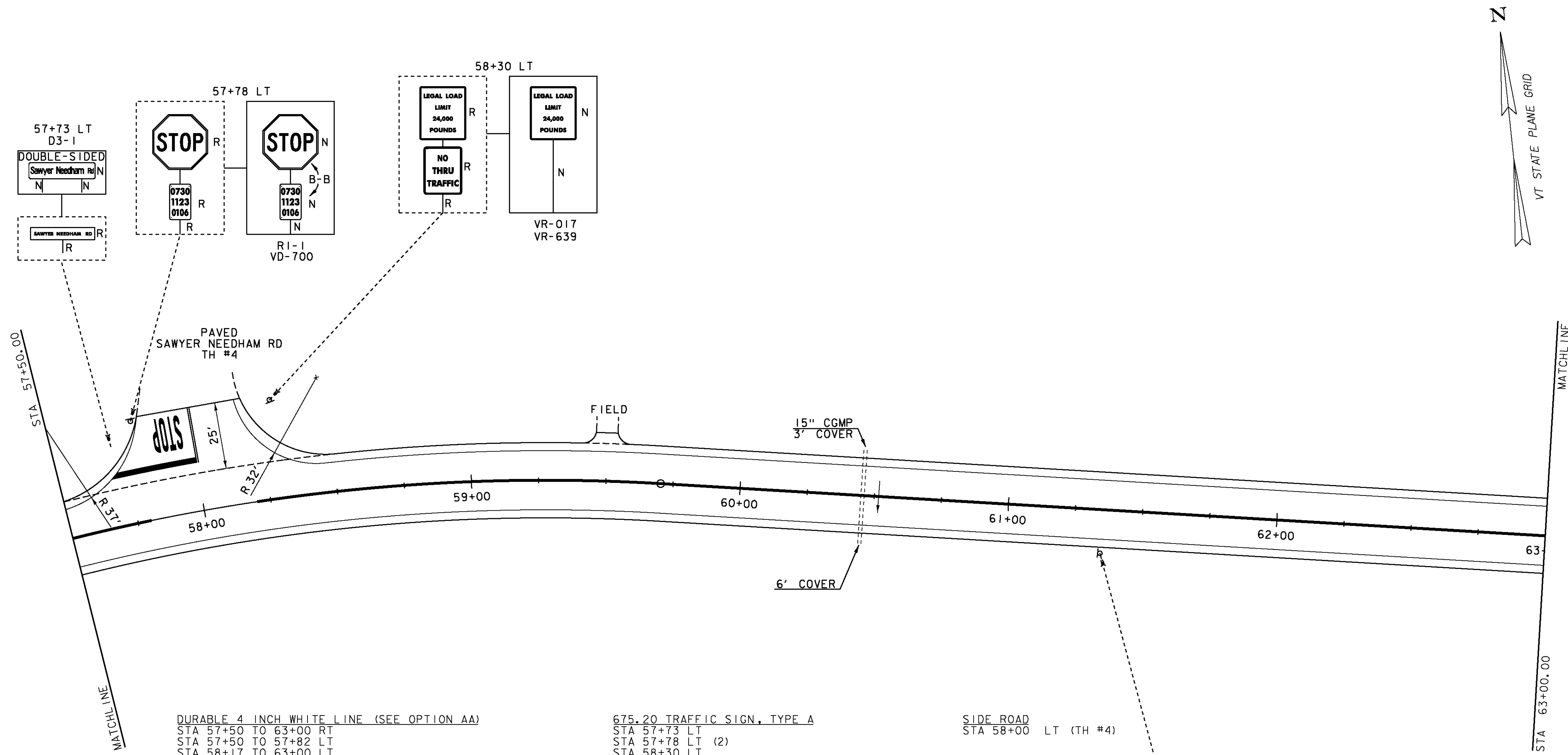
675.50 REMOVING SIGNS
STA 52+23 RT (2)
STA 52+91 RT (2)
STA 53+52 RT (2)
STA 54+13 RT (2)
STA 54+95 RT
STA 55+78 LT (2)
STA 57+28 LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 53+85 LT



SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING = DASHED LINE
NEW = SOLID LINE

PROJECT NAME:	SUDBURY - BRANDON	PLOT DATE:	13-FEB-2013
PROJECT NUMBER:	STP 0158(3)	DRAWN BY:	B. MCADAMS
FILE NAME:	d10c204.bdr.dgn	CHECKED BY:	A. KEMPTON
PROJECT LEADER:	K. UPMAL	SHEET	25 OF 137
DESIGNED BY:	B. MCADAMS		
LAYOUT	7		



DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 57+50 TO 63+00 RT
STA 57+50 TO 57+82 LT
STA 58+17 TO 63+00 LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 57+50 TO 57+80 RT & LT (CENTERLINE)
STA 58+00 LT (CENTERLINE TH #4)
STA 58+20 TO 63+00 RT & LT (CENTERLINE)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 57+50 TO 63+00 RT & LT

DURABLE 24 INCH STOP BAR (SEE OPTION CC)
STA 57+69 TO 58+00 LT (TH #4)

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 57+91 LT "STOP" (TH #4)

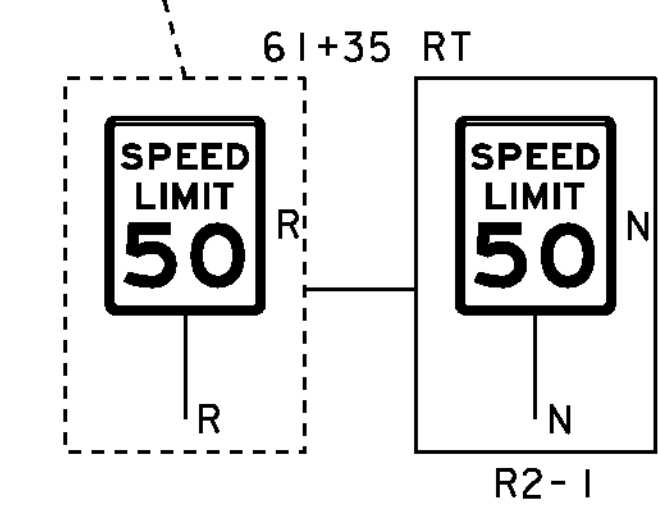
675.20 TRAFFIC SIGN, TYPE A
STA 57+73 LT
STA 57+78 LT (2)
STA 58+30 LT
STA 61+35 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 57+73 LT (2)
STA 57+78 LT
STA 58+30 LT
STA 61+35 RT

675.50 REMOVING SIGNS
STA 57+73 LT
STA 57+78 LT (2)
STA 58+30 LT (2)
STA 61+35 RT

900.675 SPECIAL PROVISION (HAND-PLACED
BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 59+50 LT

SIDE ROAD
STA 58+00 LT (TH #4)



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 8	SHEET 26 OF 137

613.10 STONE FILL, TYPE I
STA 68+26 TO 68+50 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 63+00 TO 68+50 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 63+00 TO 68+50 RT & LT

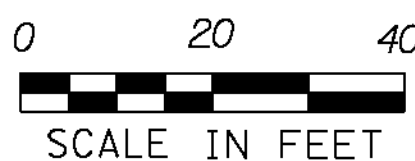
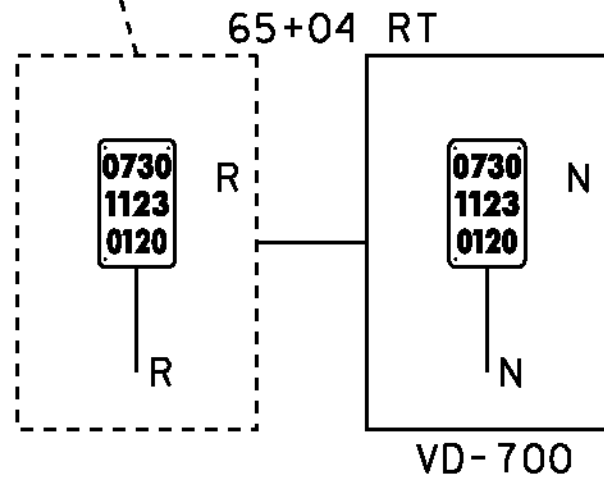
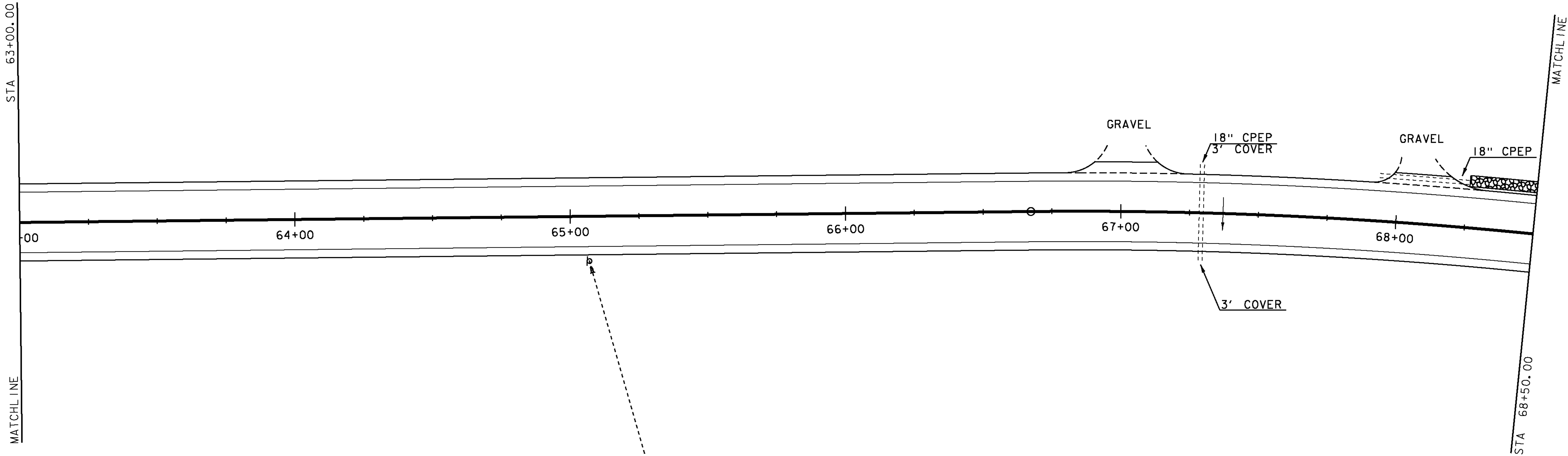
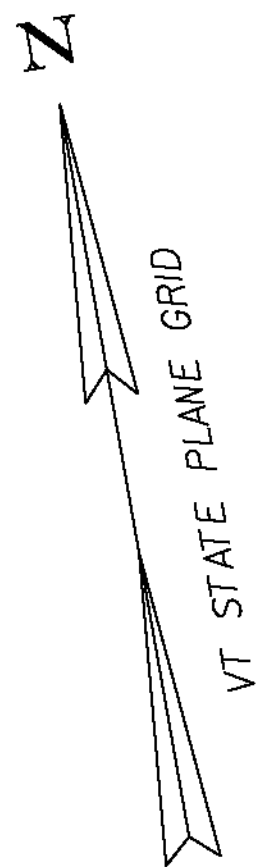
649.31 GEOTEXTILE UNDER STONE FILL
STA 68+26 TO 68+50 LT

675.20 TRAFFIC SIGN, TYPE A
STA 65+04 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 65+04 RT

675.50 REMOVING SIGNS
STA 65+04 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 67+02 LT
STA 68+09 LT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 9	SHEET 27 OF 137

613.10 STONE FILL, TYPE I
STA 68+50 TO 74+00 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 68+50 TO 74+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 68+50 TO 74+00 RT & LT

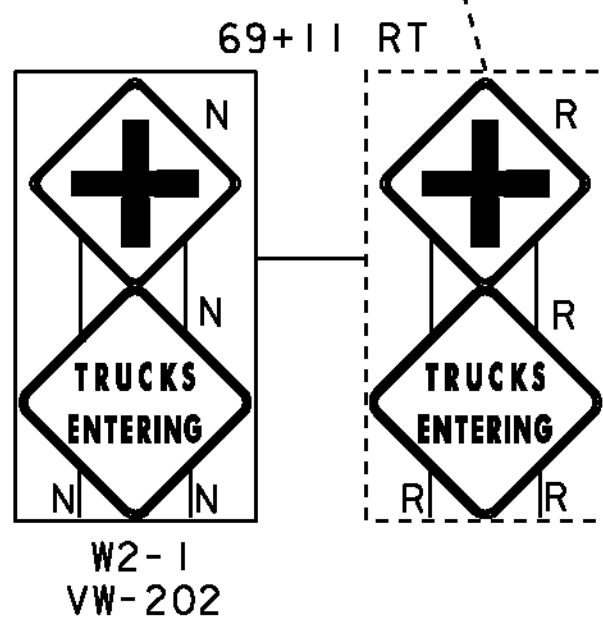
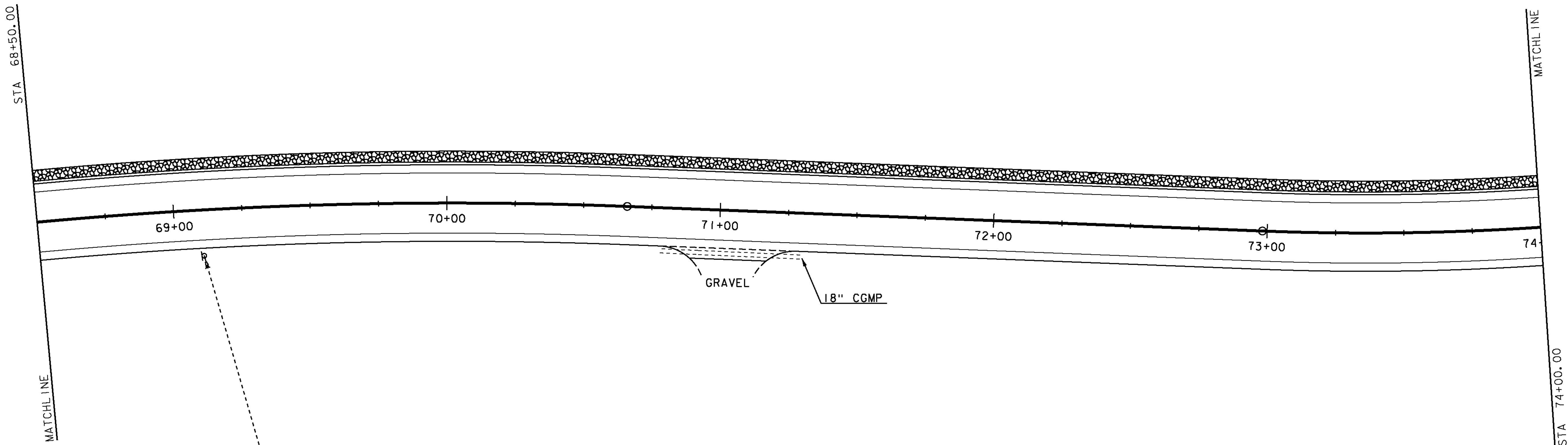
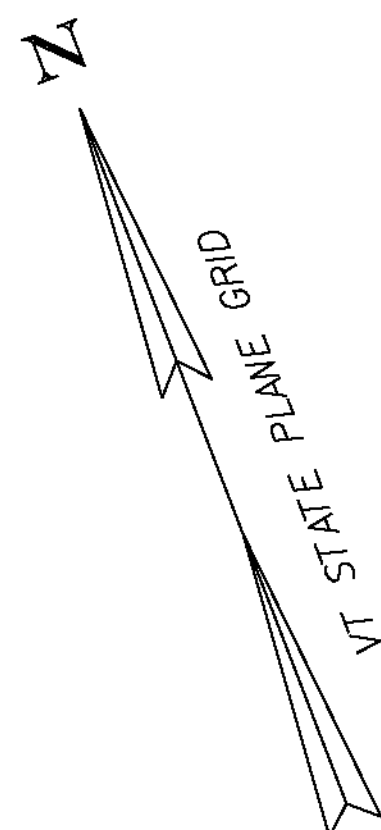
649.31 GEOTEXTILE UNDER STONE FILL
STA 68+50 TO 74+00 LT

675.20 TRAFFIC SIGN, TYPE A
STA 69+11 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 69+11 RT (2)

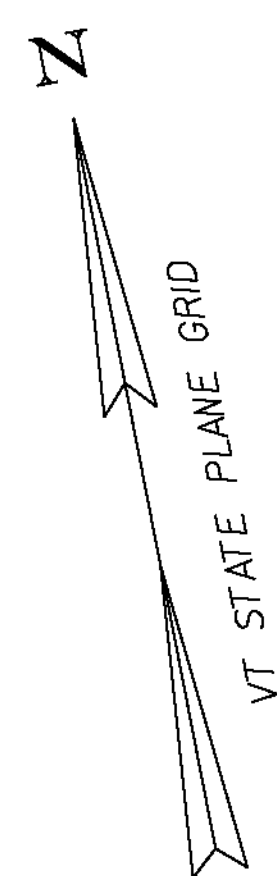
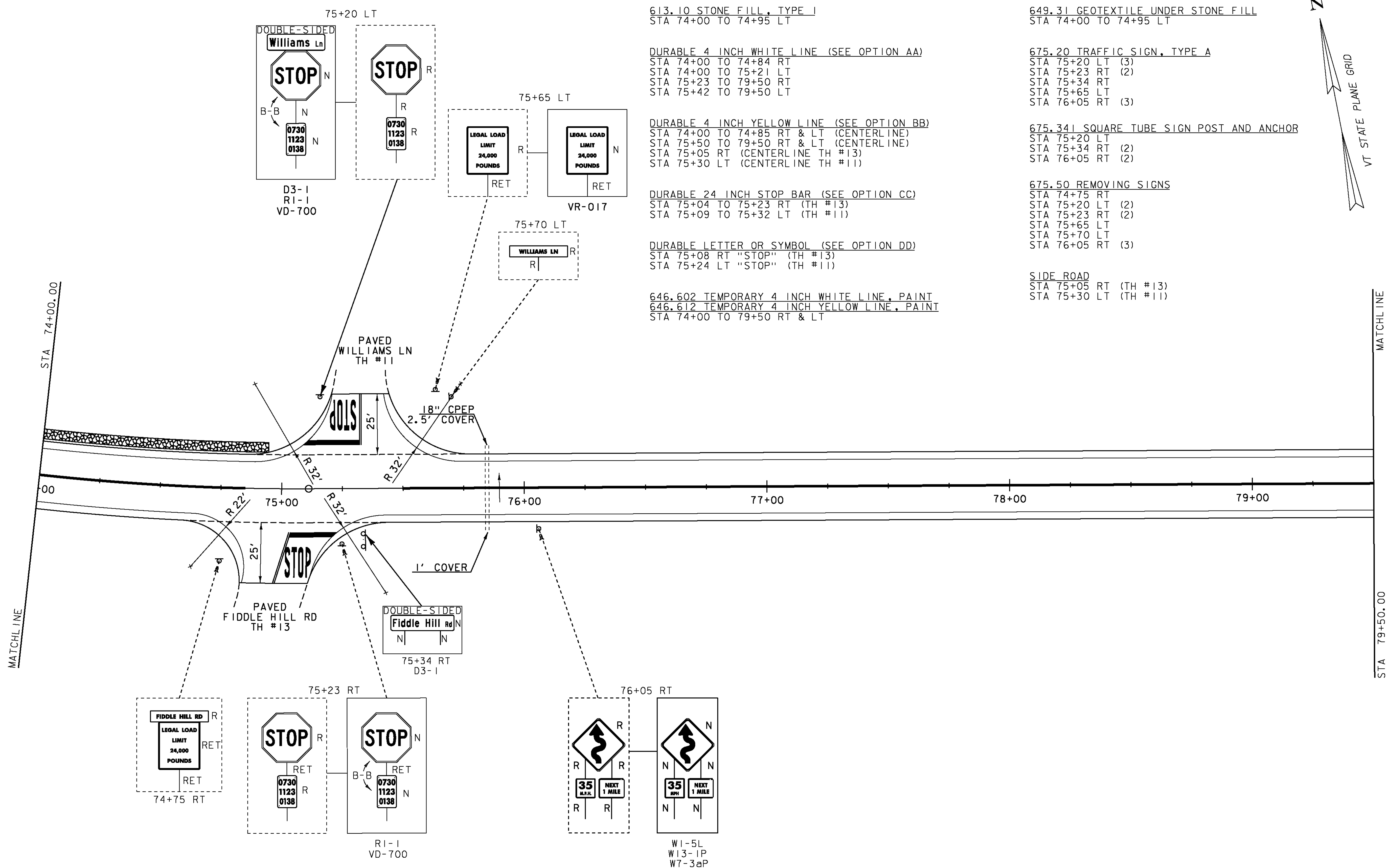
675.50 REMOVING SIGNS
STA 69+11 RT (2)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 71+07 RT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 10	SHEET 28 OF 137



613.10 STONE FILL, TYPE I
STA 74+00 TO 74+95 LT

649.31 GEOTEXTILE UNDER STONE FILL
STA 74+00 TO 74+95 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 74+00 TO 74+84 RT
STA 74+00 TO 75+21 LT
STA 75+23 TO 79+50 RT
STA 75+42 TO 79+50 LT

675.20 TRAFFIC SIGN, TYPE A
STA 75+20 LT (3)
STA 75+23 RT (2)
STA 75+34 RT
STA 75+65 LT
STA 76+05 RT (3)

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 74+00 TO 74+85 RT & LT (CENTERLINE)
STA 75+50 TO 79+50 RT & LT (CENTERLINE)
STA 75+05 RT (CENTERLINE TH #13)
STA 75+30 LT (CENTERLINE TH #11)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 75+20 LT
STA 75+34 RT (2)
STA 76+05 RT (2)

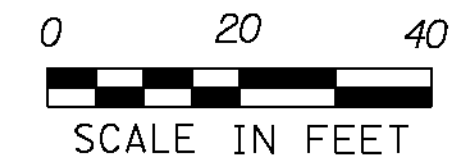
DURABLE 24 INCH STOP BAR (SEE OPTION CC)
STA 75+04 TO 75+23 RT (TH #13)
STA 75+09 TO 75+32 LT (TH #11)

675.50 REMOVING SIGNS
STA 74+75 RT
STA 75+20 LT (2)
STA 75+23 RT (2)
STA 75+65 LT
STA 75+70 LT
STA 76+05 RT (3)

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 75+08 RT "STOP" (TH #13)
STA 75+24 LT "STOP" (TH #11)

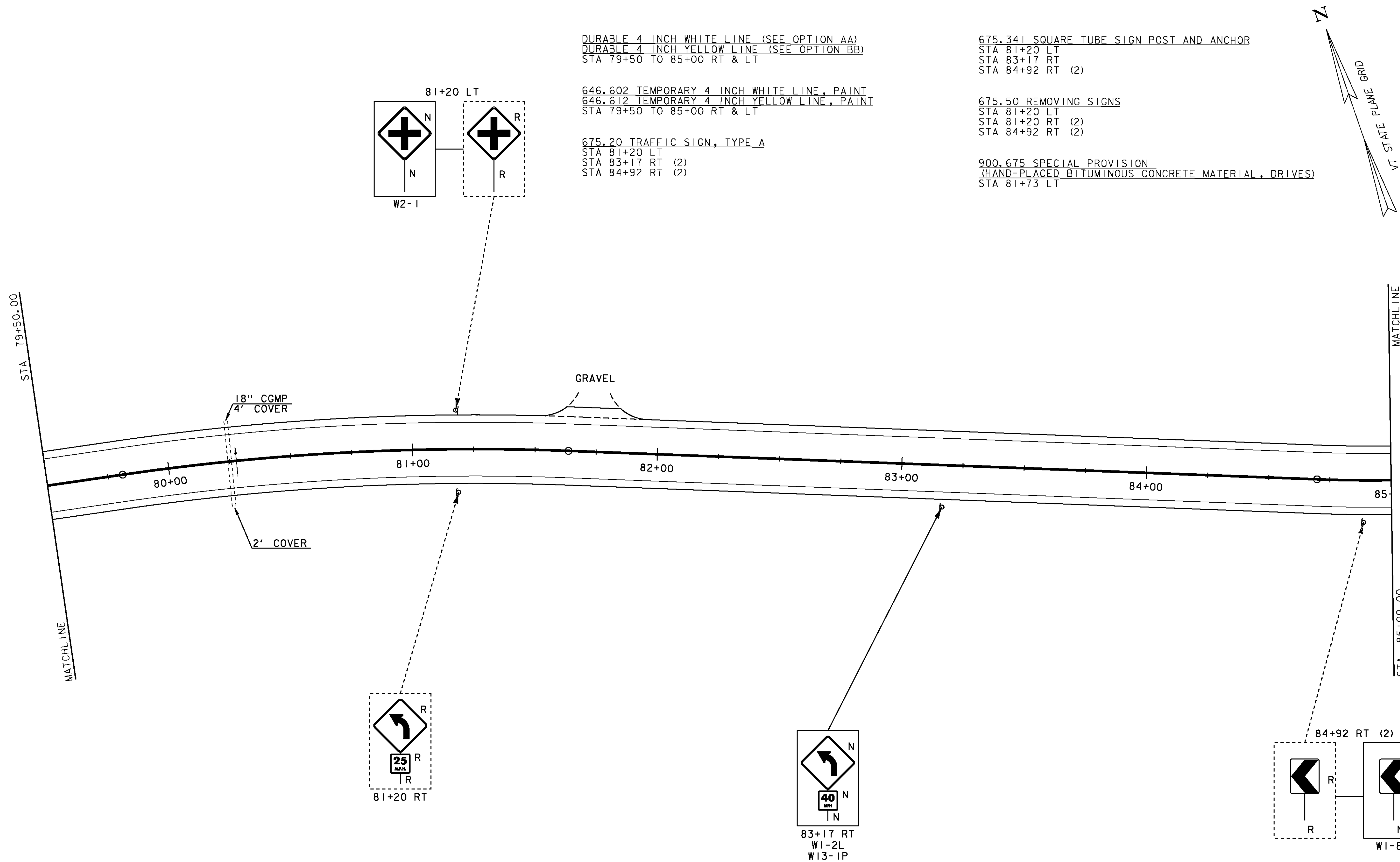
SIDE ROAD
STA 75+05 RT (TH #13)
STA 75+30 LT (TH #11)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 74+00 TO 79+50 RT & LT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	-----

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT II	SHEET 29 OF 137



DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 79+50 TO 85+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 79+50 TO 85+00 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 81+20 LT
STA 83+17 RT (2)
STA 84+92 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 81+20 LT
STA 83+17 RT
STA 84+92 RT (2)

675.50 REMOVING SIGNS
STA 81+20 LT
STA 81+20 RT (2)
STA 84+92 RT (2)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 81+73 LT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 12	SHEET 30 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 85+00 TO 90+50 RT & LT

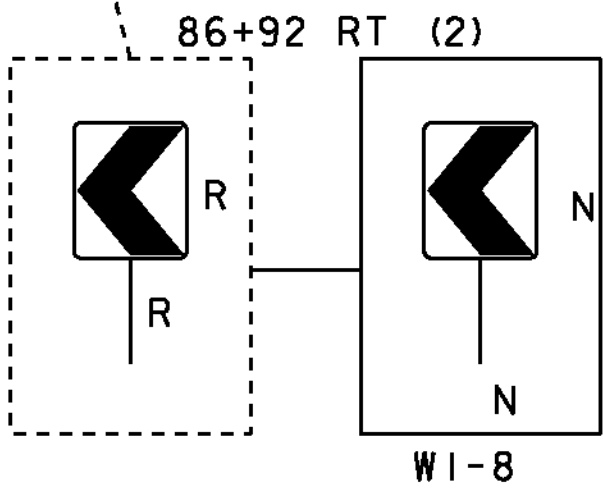
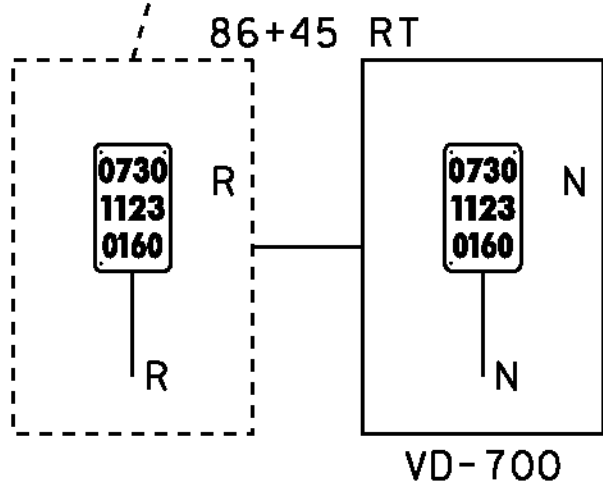
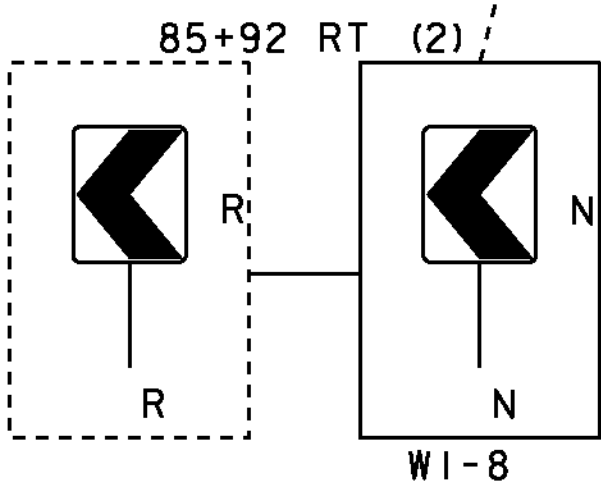
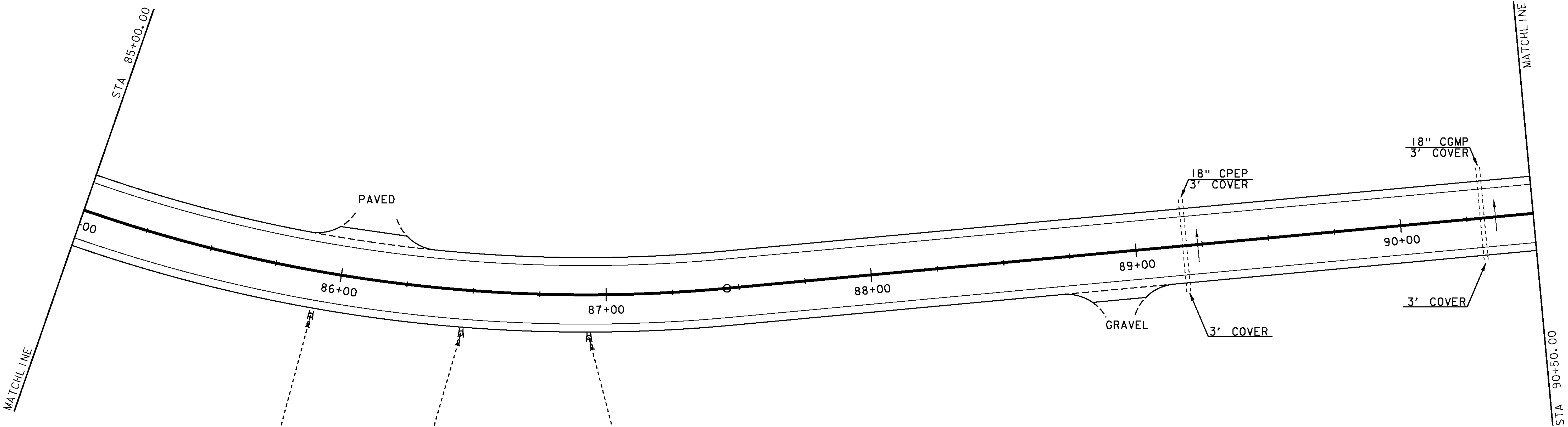
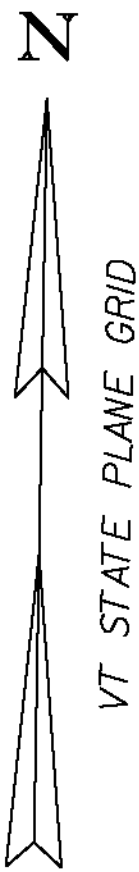
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 85+00 TO 90+50 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 85+92 RT (2)
STA 86+45 RT
STA 86+92 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 85+92 RT (2)
STA 86+45 RT
STA 86+92 RT (2)

675.50 REMOVING SIGNS
STA 85+92 RT (2)
STA 86+45 RT
STA 86+92 RT (2)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 86+11 LT
STA 88+92 RT

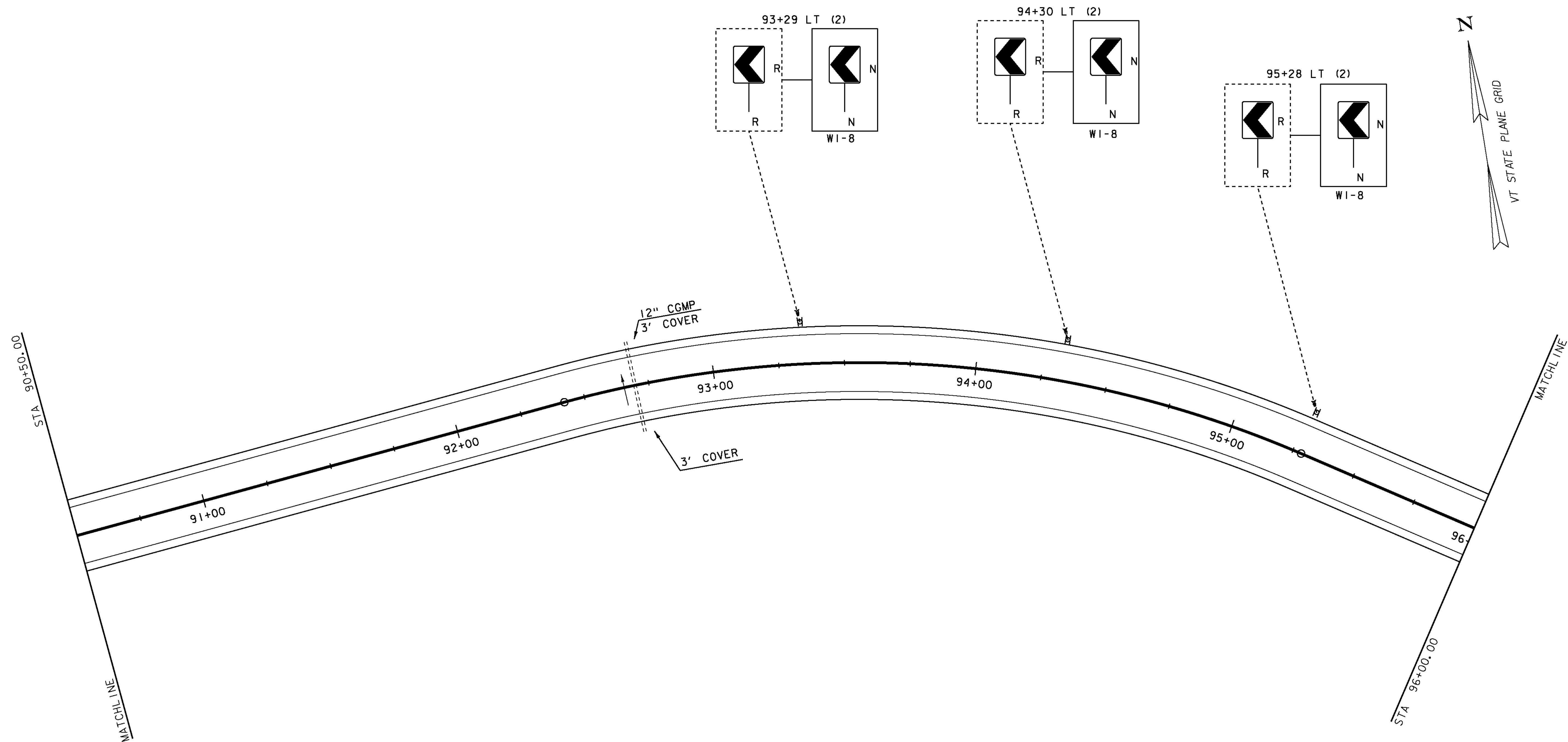


SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 13

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 31 OF 137



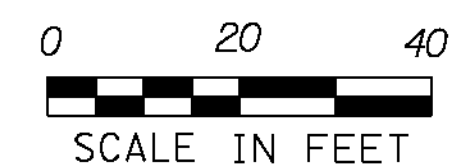
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 90+50 TO 96+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 90+50 TO 96+00 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 93+29 LT (2)
STA 94+30 LT (2)
STA 95+28 LT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 93+29 LT (2)
STA 94+30 LT (2)
STA 95+28 LT (2)

675.50 REMOVING SIGNS
STA 93+29 LT (2)
STA 94+30 LT (2)
STA 95+28 LT (2)



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 14	SHEET 32 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 96+00 TO 101+50 RT & LT

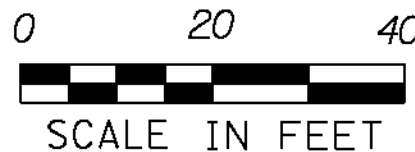
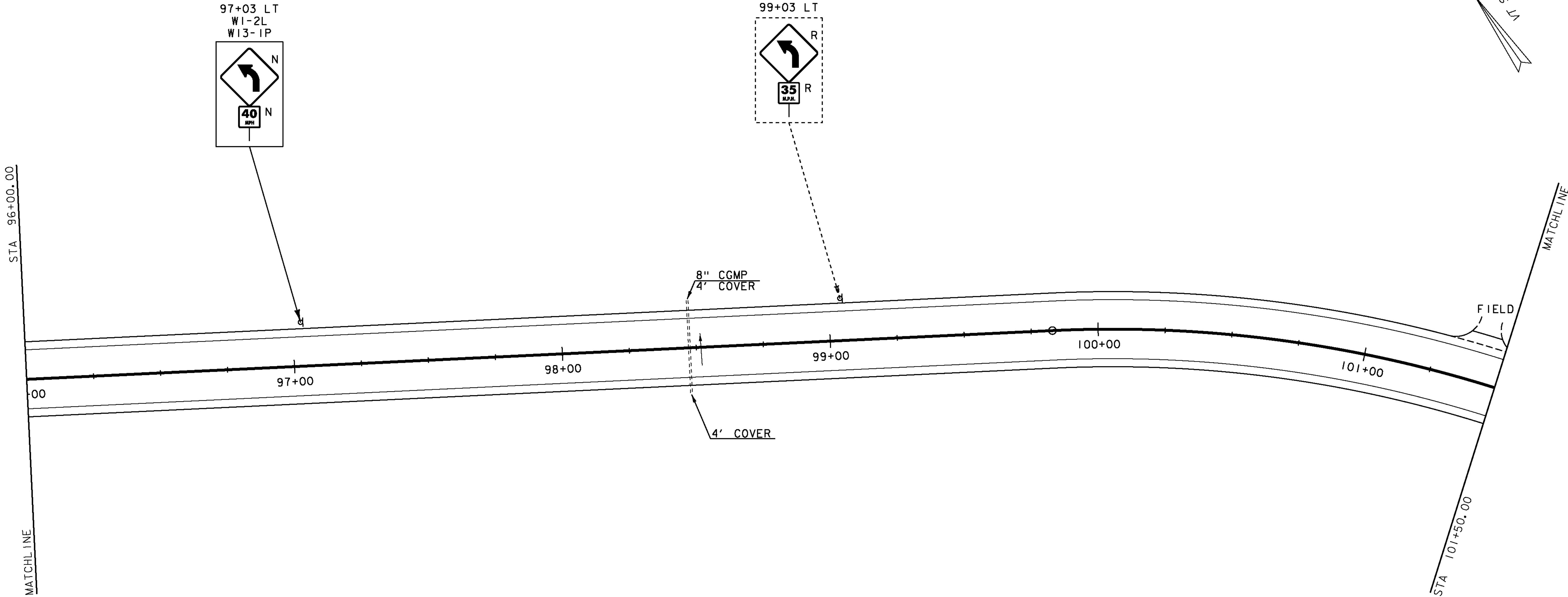
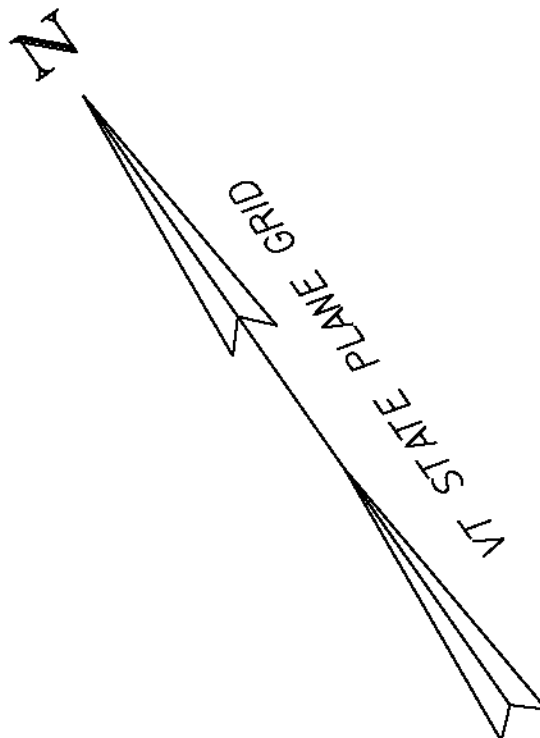
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 96+00 TO 101+50 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 97+03 LT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 97+03 LT

675.50 REMOVING SIGNS
STA 99+03 LT (2)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 101+42 LT



SIGN LEGEND

- R = REMOVE
- S = SALVAGE
- N = NEW
- RET = RETAIN
- T&T = THINNING & TRIMMING
- B-B = BACK TO BACK
- EXISTING -----
- NEW _____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

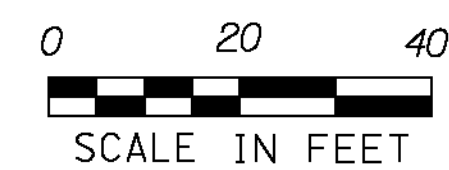
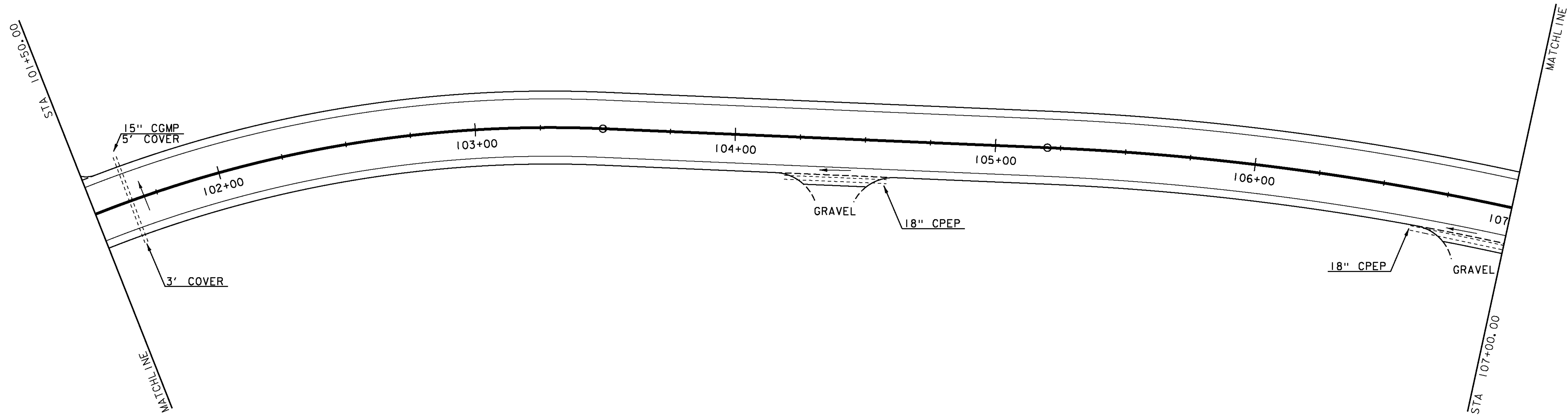
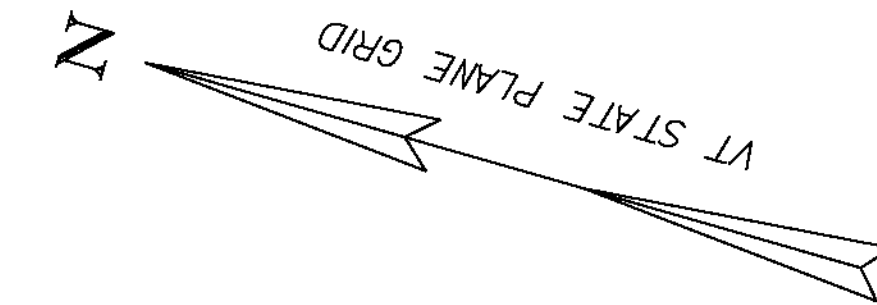
FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 15

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 33 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 101+50 TO 107+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 101+50 TO 107+00 RT & LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 104+39 RT
STA 106+96 RT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 16	SHEET 34 OF 137

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 111+58 TO STA 112+50 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA 111+64 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 111+58 TO STA 112+50 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 107+00 TO 112+50 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 107+00 TO 112+50 RT & LT

676.10 DELINEATOR WITH STEEL POST
STA 111+58 RT

675.20 TRAFFIC SIGN, TYPE A

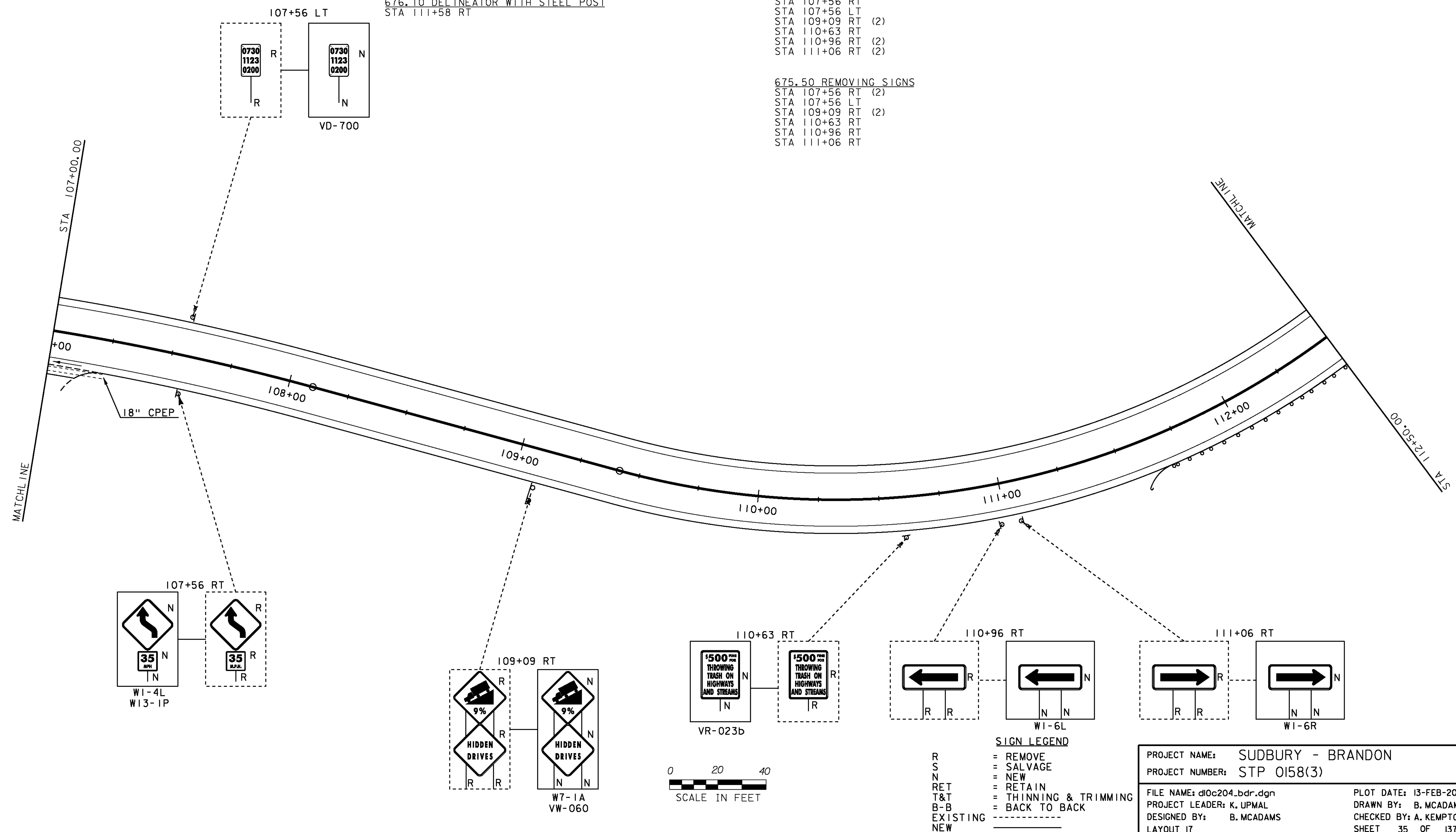
STA 107+56 RT (2)
STA 107+56 LT
STA 109+09 RT (2)
STA 110+63 RT
STA 110+96 RT
STA 111+06 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR

STA 107+56 RT
STA 107+56 LT
STA 109+09 RT (2)
STA 110+63 RT
STA 110+96 RT (2)
STA 111+06 RT (2)

675.50 REMOVING SIGNS

STA 107+56 RT (2)
STA 107+56 LT
STA 109+09 RT (2)
STA 110+63 RT
STA 110+96 RT
STA 111+06 RT



PROJECT NAME: SUDBURY - BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY: B. MCADAMS

LAYOUT 17

PLOT DATE: 13-FEB-2013

DRAWN BY: B. MCADAMS

CHECKED BY: A. KEMPTON

SHEET 35 OF 137

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 112+50 TO STA 113+20 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA 113+14 RT

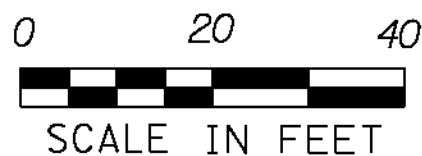
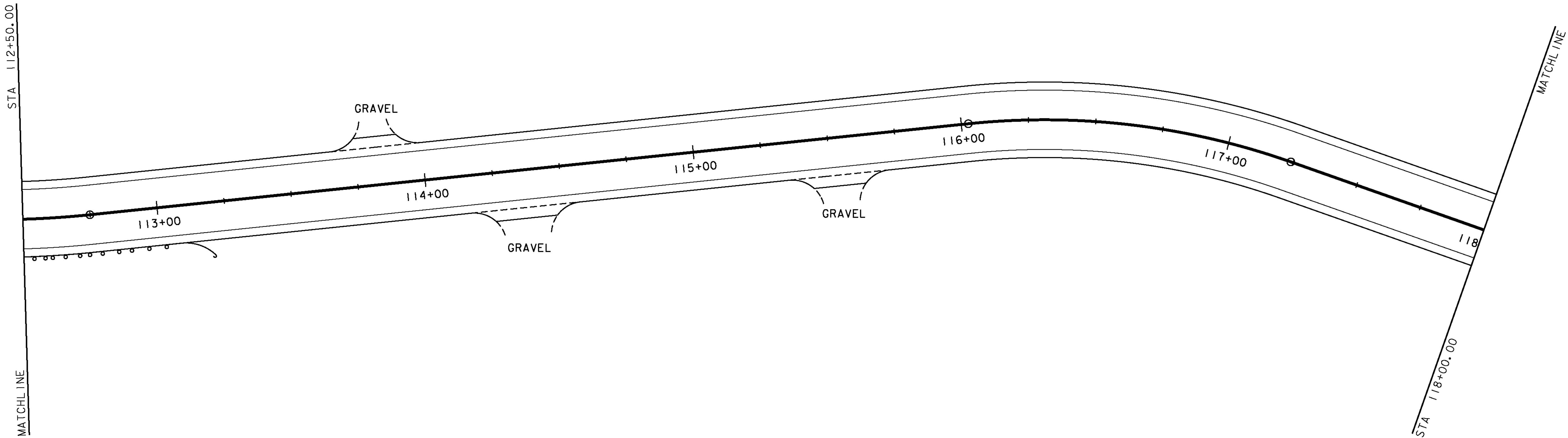
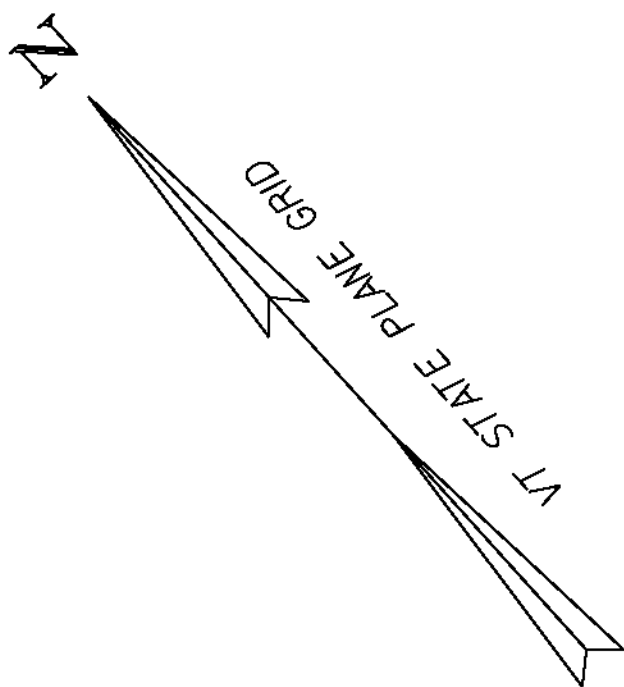
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 112+50 TO STA 113+20 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 112+50 TO 118+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 112+50 TO 118+00 RT & LT

676.10 DELINEATOR WITH STEEL POST
STA 113+20 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 113+82 LT
STA 114+40 RT
STA 115+56 RT



SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING -----
NEW _____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 18

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 36 OF 137

613.10 STONE FILL, TYPE I
STA 119+10 TO 123+50 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 118+00 TO 123+50 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 118+00 TO 123+50 RT & LT

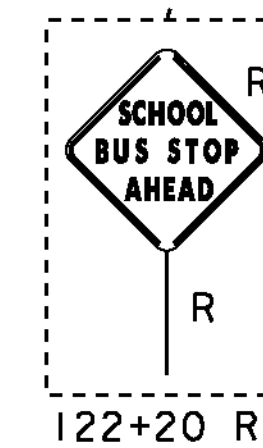
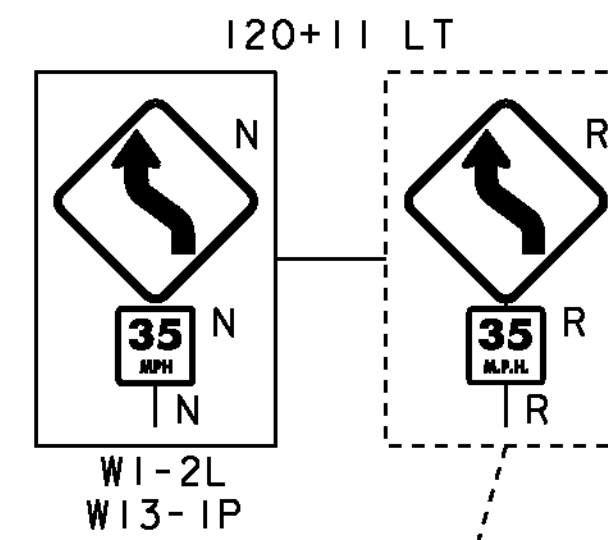
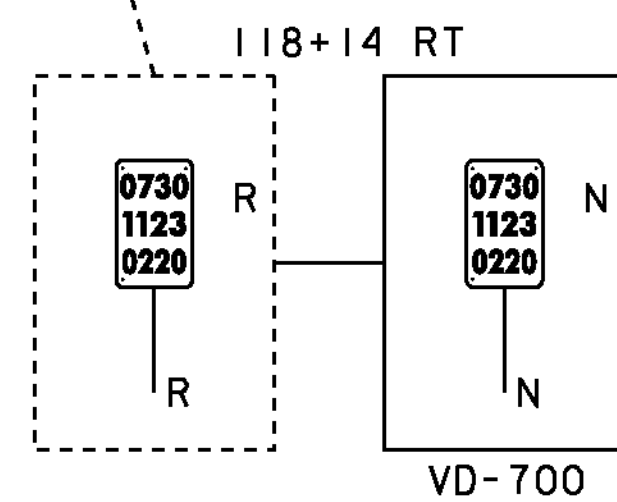
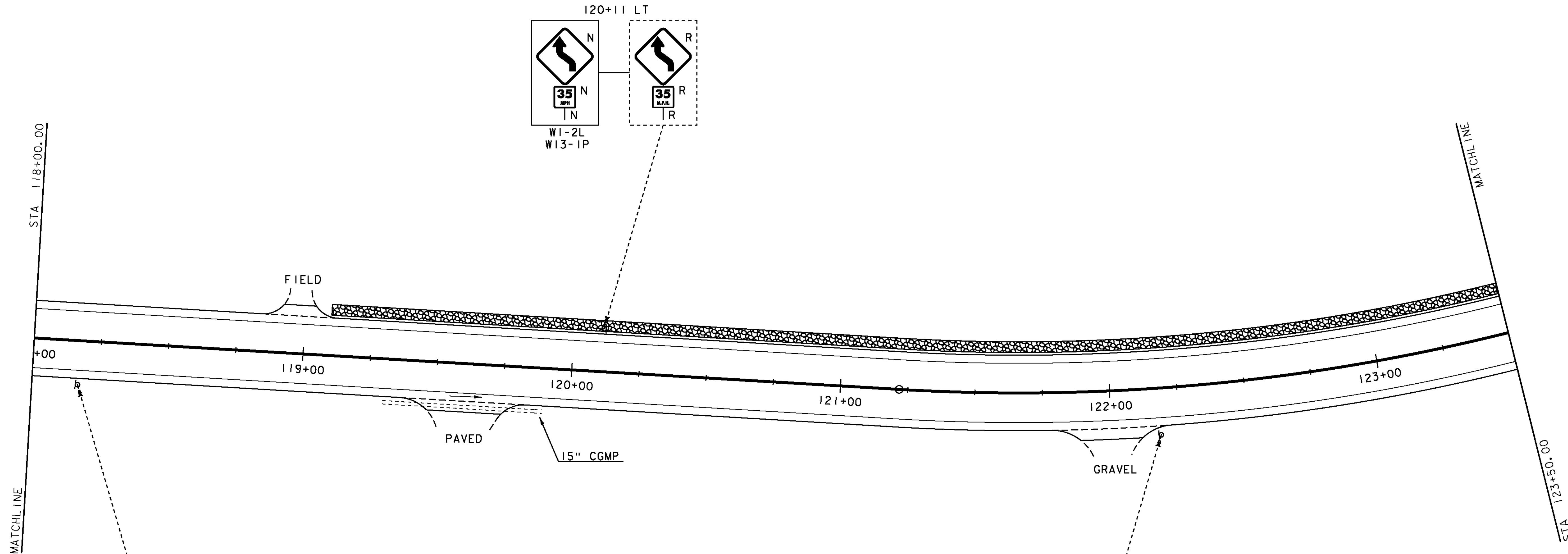
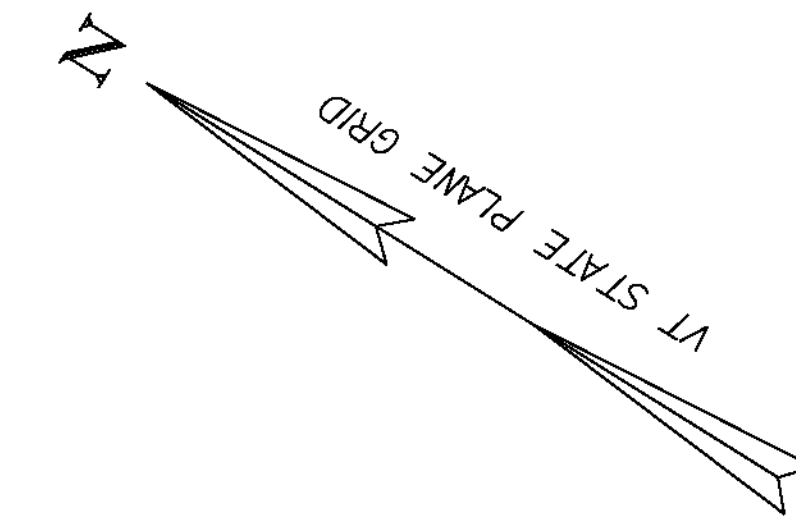
649.31 GEOTEXTILE UNDER STONE FILL
STA 119+10 TO 123+50 LT

675.20 TRAFFIC SIGN, TYPE A
STA 118+14 RT
STA 120+11 LT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 118+14 RT
STA 120+11 LT

675.50 REMOVING SIGNS
STA 118+14 RT
STA 120+11 LT (2)
STA 122+20 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 118+98 LT
STA 119+65 RT
STA 122+03 RT



0 20 40
SCALE IN FEET

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING = DASHED LINE
NEW = SOLID LINE

PROJECT NAME:	SUDBURY - BRANDON	FILE NAME:	d10c204_bdr.dgn	PLOT DATE:	13-FEB-2013
PROJECT NUMBER:	STP 0158(3)	PROJECT LEADER:	K. UPMAL	DRAWN BY:	B. MCADAMS
		DESIGNED BY:	B. MCADAMS	CHECKED BY:	A. KEMPTON
		LAYOUT 19		SHEET	37 OF 137

613.10 STONE FILL, TYPE I
STA 123+50 TO 127+00 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 123+50 TO 129+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 123+50 TO 129+00 RT & LT

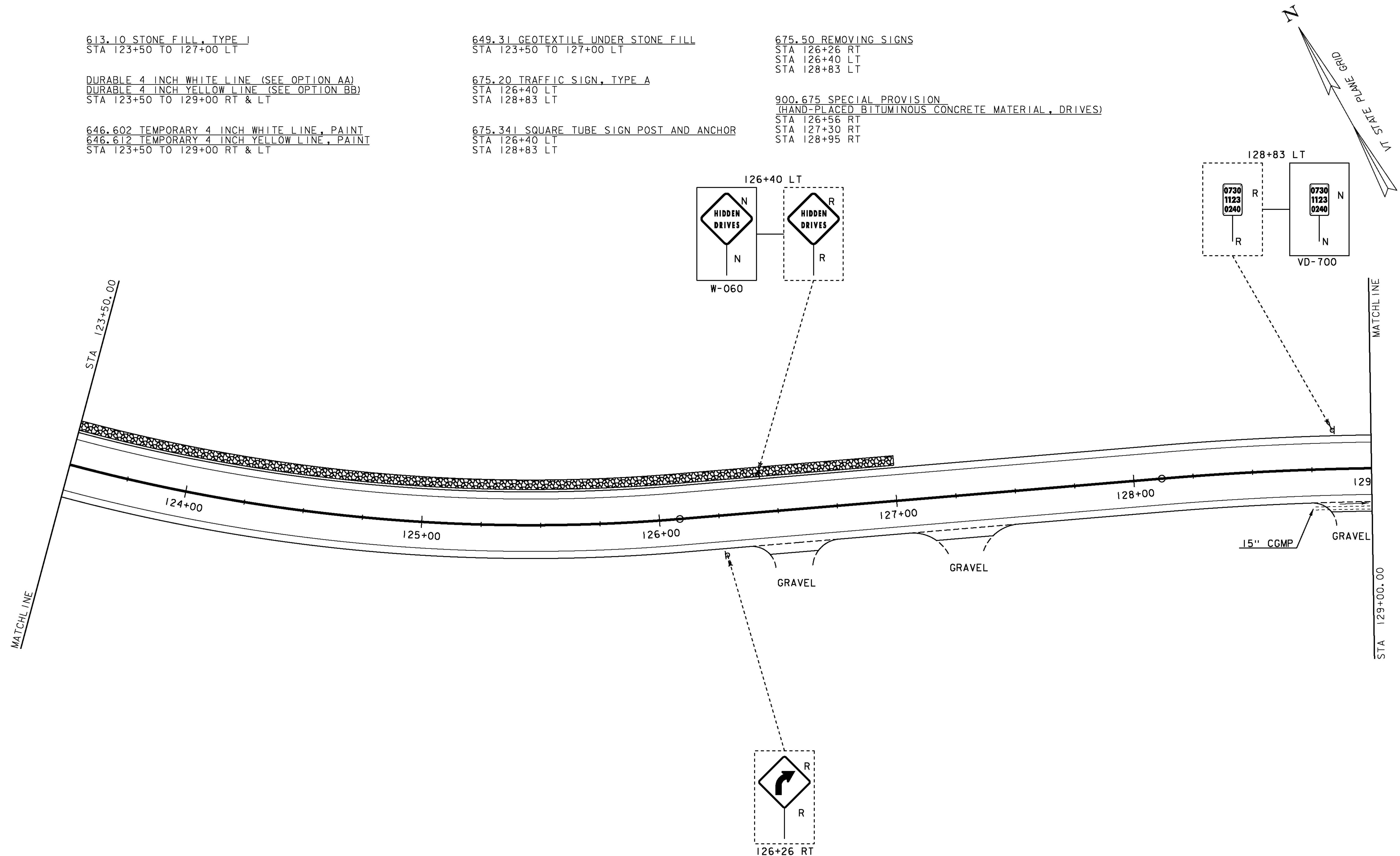
649.31 GEOTEXTILE UNDER STONE FILL
STA 123+50 TO 127+00 LT

675.20 TRAFFIC SIGN, TYPE A
STA 126+40 LT
STA 128+83 LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 126+40 LT
STA 128+83 LT

675.50 REMOVING SIGNS
STA 126+26 RT
STA 126+40 LT
STA 128+83 LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 126+56 RT
STA 127+30 RT
STA 128+95 RT



0 20 40
SCALE IN FEET

SIGN LEGEND
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING = DASHED LINE
NEW = SOLID LINE

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

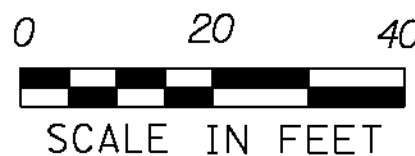
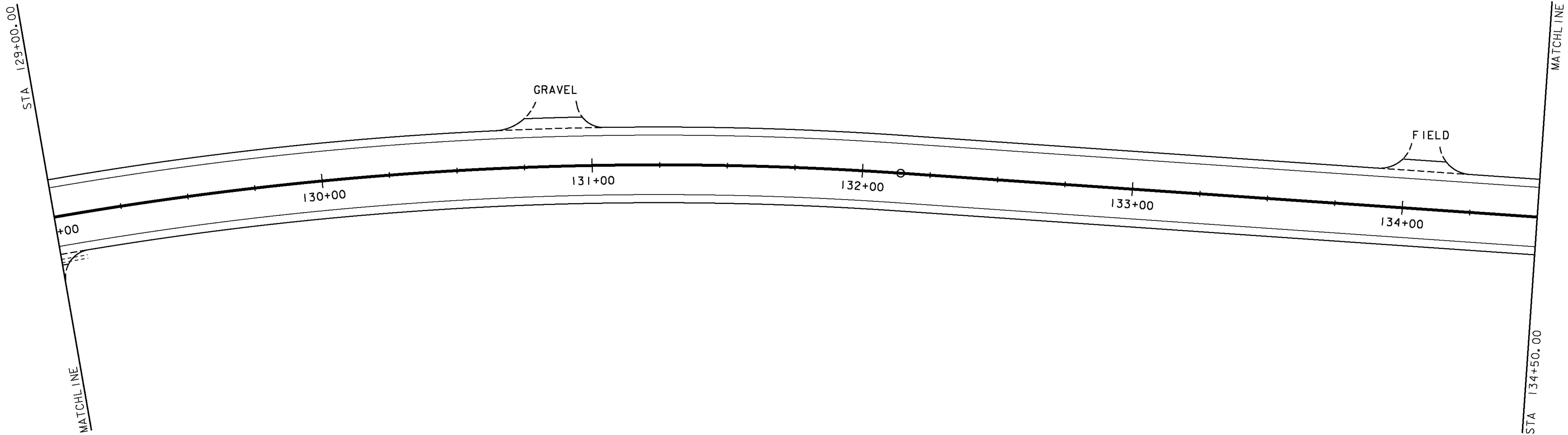
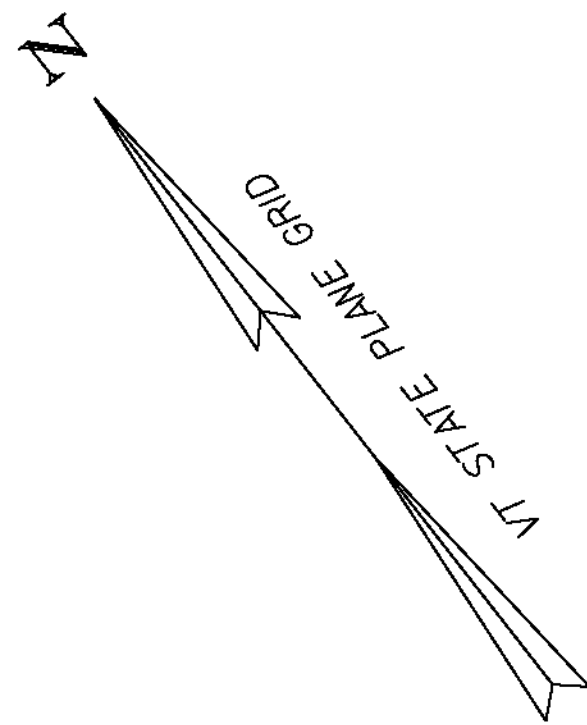
FILE NAME: d10c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 20

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 38 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 129+00 TO 134+50 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 129+00 TO 134+50 RT & LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 130+89 LT
STA 134+08 LT



SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING -----
NEW _____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 21

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 39 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 134+50 TO 140+00 LT
STA 134+50 TO 134+89 RT
STA 135+98 TO 140+00 RT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 134+50 TO 135+58 RT & LT (CENTERLINE)
STA 135+85 RT (CENTERLINE TH #5)
STA 135+98 TO 140+00 RT (CENTERLINE)
STA 135+98 TO 138+50 LT (CENTERLINE)
STA 138+50 TO 140+00 LT (DASHED, CENTERLINE)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA 134+50 TO 140+00 RT & LT

646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 134+50 TO 135+58 RT & LT
STA 135+98 TO 140+00 RT
STA 135+98 TO 138+50 LT
STA 138+50 TO 140+00 LT (DASHED)

DURABLE 24 INCH STOP BAR (SEE OPTION CC)
STA 135+85 TO 136+12 RT (TH #5)

DURABLE LETTER OR SYMBOL (SEE OPTION DD)
STA 135+97 RT "STOP" (TH #5)

675.20 TRAFFIC SIGN, TYPE A
STA 135+50 RT
STA 136+36 RT (2)
STA 136+42 RT
STA 137+80 LT (3)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 135+50 RT
STA 136+36 RT
STA 136+42 RT (2)
STA 137+80 LT (2)

675.50 REMOVING SIGNS
STA 135+10 RT
STA 136+54 RT (3)
STA 137+80 LT (3)
STA 137+84 RT

SIDE ROAD
STA 135+78 RT (TH #5)

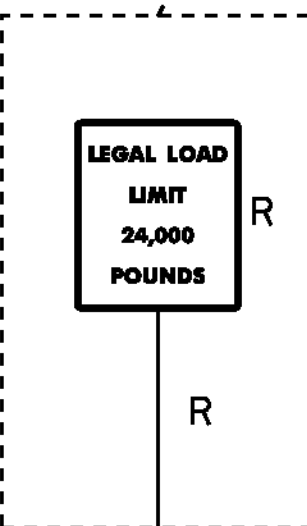
EXISTING PAVEMENT
TO BE REMOVED PAID
UNDER ITEM 608.25
ALL PURPOSE EXCAVATOR
RENTAL, TYPE I, ANY
NECESSARY SAW CUTTING
OF PAVEMENT WILL BE
CONSIDERED INCIDENTAL
TO ITEM 608.25.

STA 134+50.00

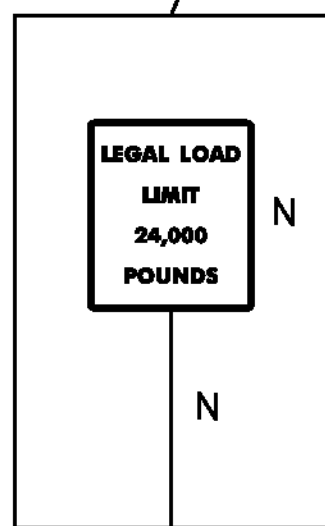
MATCHLINE

MATCHLINE

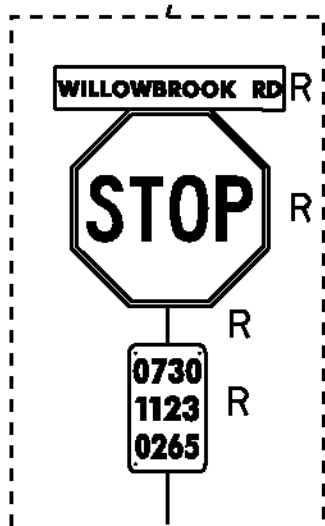
STA 140+00.00



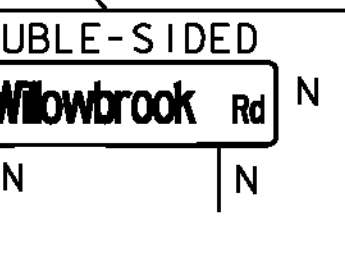
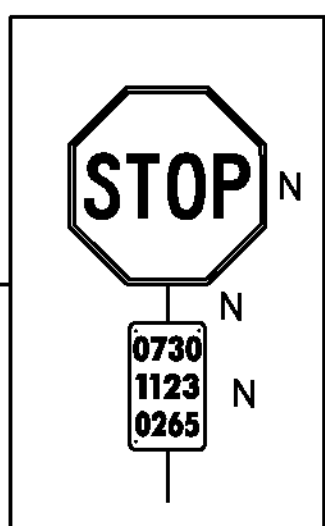
135+10 RT



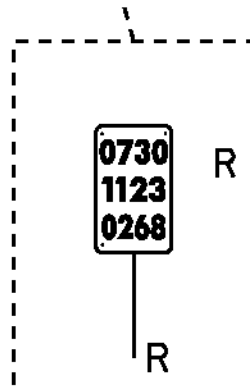
135+50 RT
VR-017



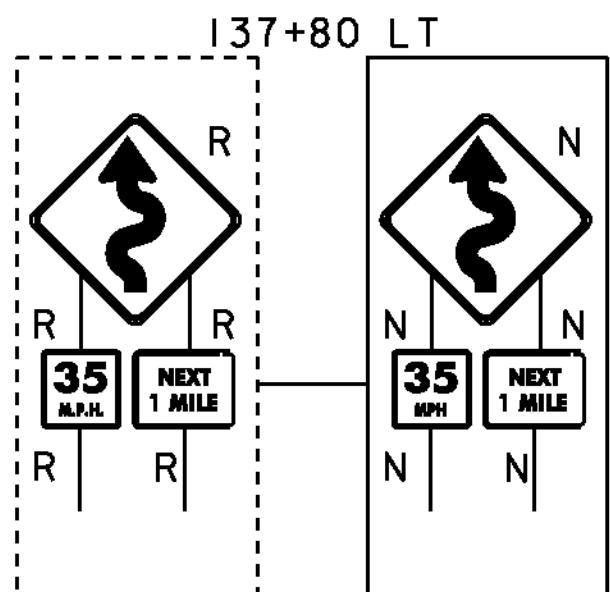
RI-1
VD-700



136+42 RT
D3-1



137+84 RT



W1-5L
W13-1P
W7-3aP

0 20 40
SCALE IN FEET

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING
NEW

SIGN LEGEND

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 22

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 40 OF 137

516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG
STA 143+98
STA 144+76

525.10 REMOVAL OF EXISTING BRIDGE RAILING
STA 143+97 TO 145+50 LT & RT

525.50 BRIDGE RAILING REPAIR, TYPE I
STA 143+97 TO 145+50 LT & RT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 143+37 TO 143+72 RT
STA 143+45 TO 143+72 LT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA 143+43 RT
STA 143+51 LT

621.737 GUARDRAIL APPROACH SECTION,
GALVANIZED HD STEEL BEAM
STA 143+72 TO 143+97 LT & RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 143+37 TO 143+97 RT
STA 143+45 TO 143+97 LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 140+00 TO 145+50 RT & LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 140+00 TO 145+50 RT (CENTERLINE)
STA 140+00 TO 145+50 LT (DASHED, CENTERLINE)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA 140+00 TO 145+50 RT & LT

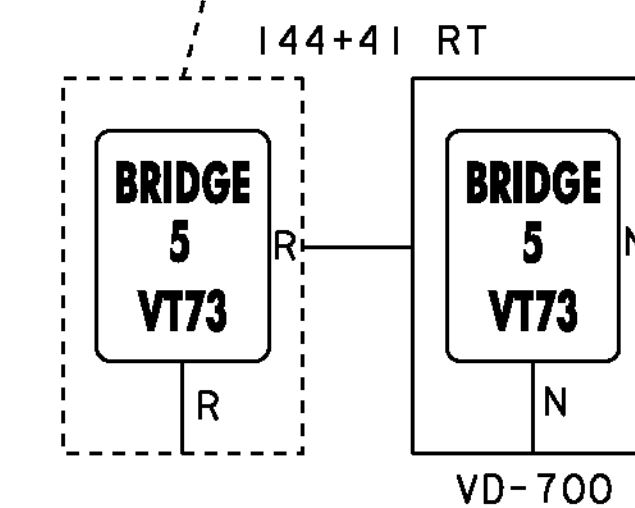
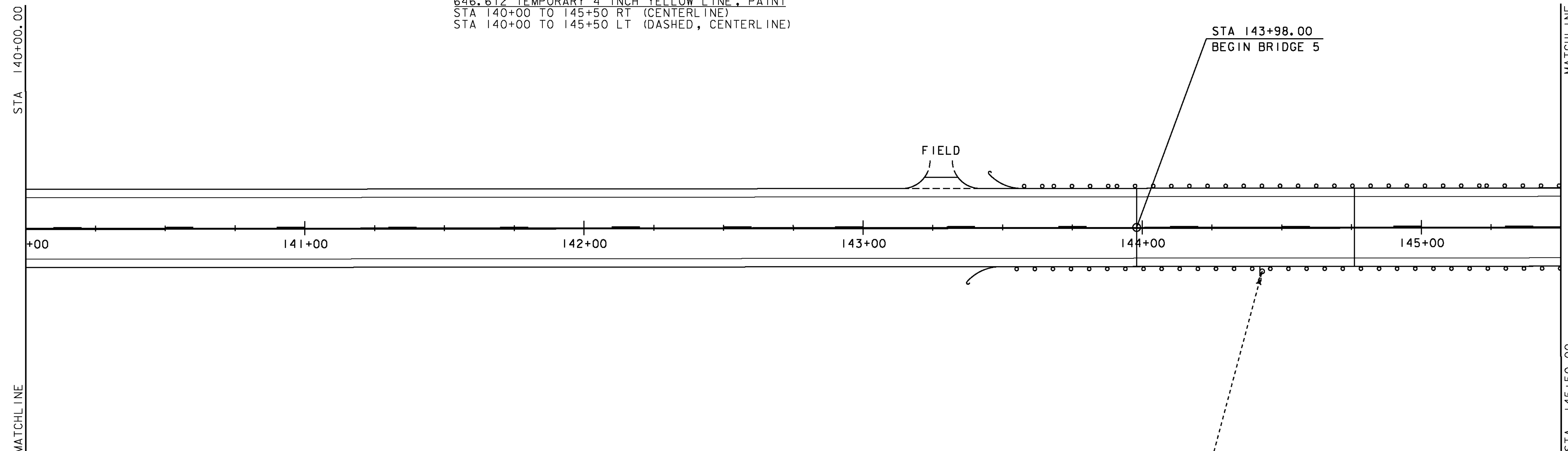
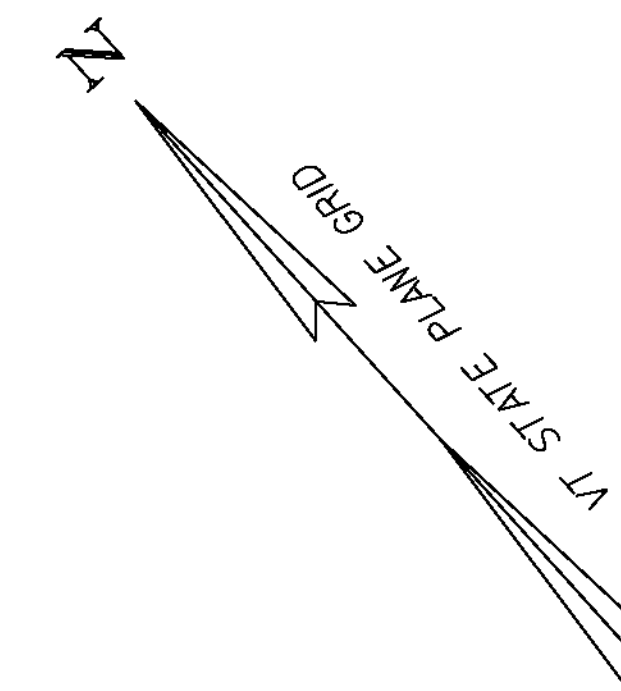
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 140+00 TO 145+50 RT (CENTERLINE)
STA 140+00 TO 145+50 LT (DASHED, CENTERLINE)

675.20 TRAFFIC SIGN, TYPE A
STA 144+41 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 144+41 RT

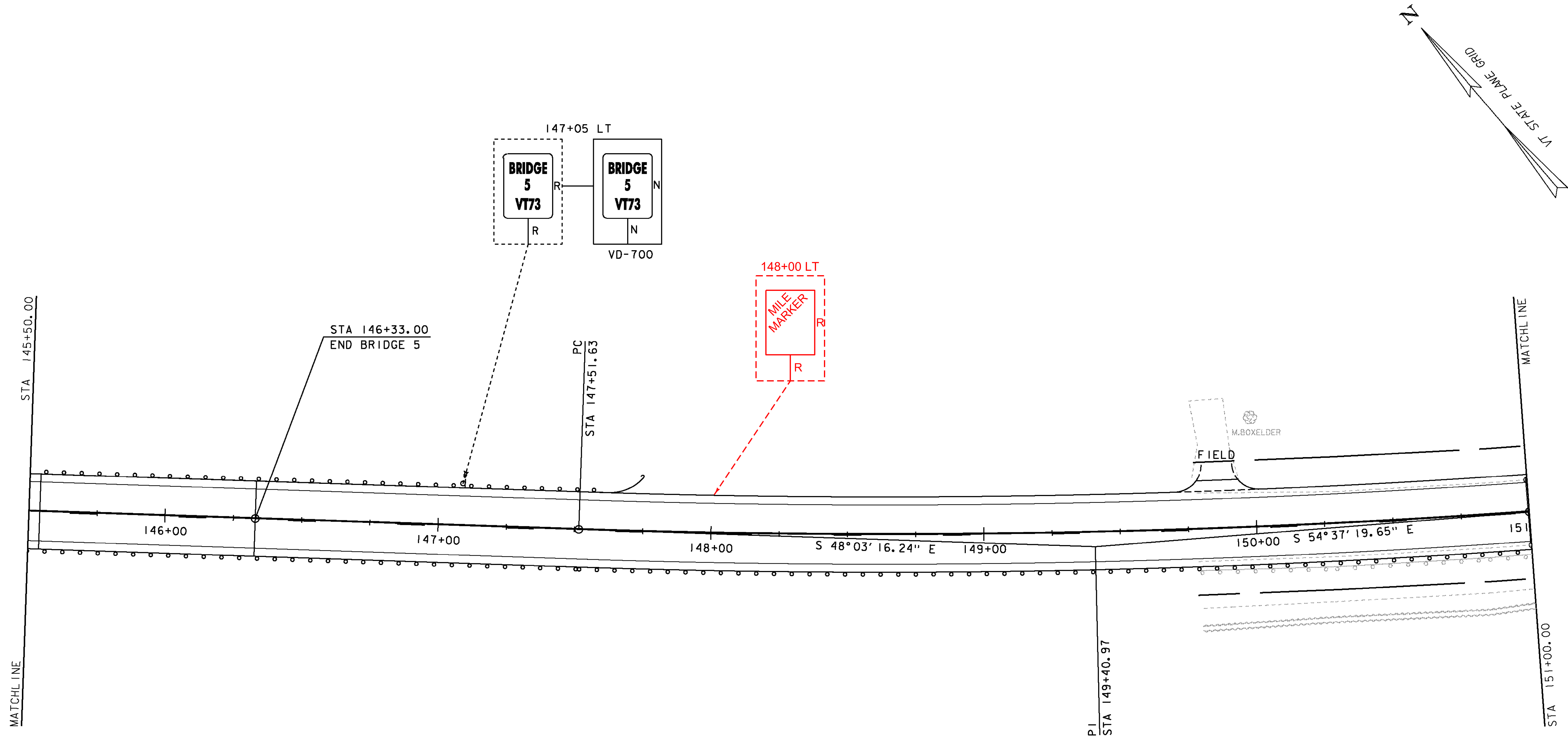
675.50 REMOVING SIGNS
STA 144+41 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 143+28 LT

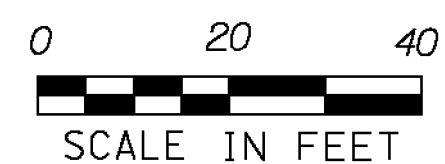


SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 23	SHEET 41 OF 137

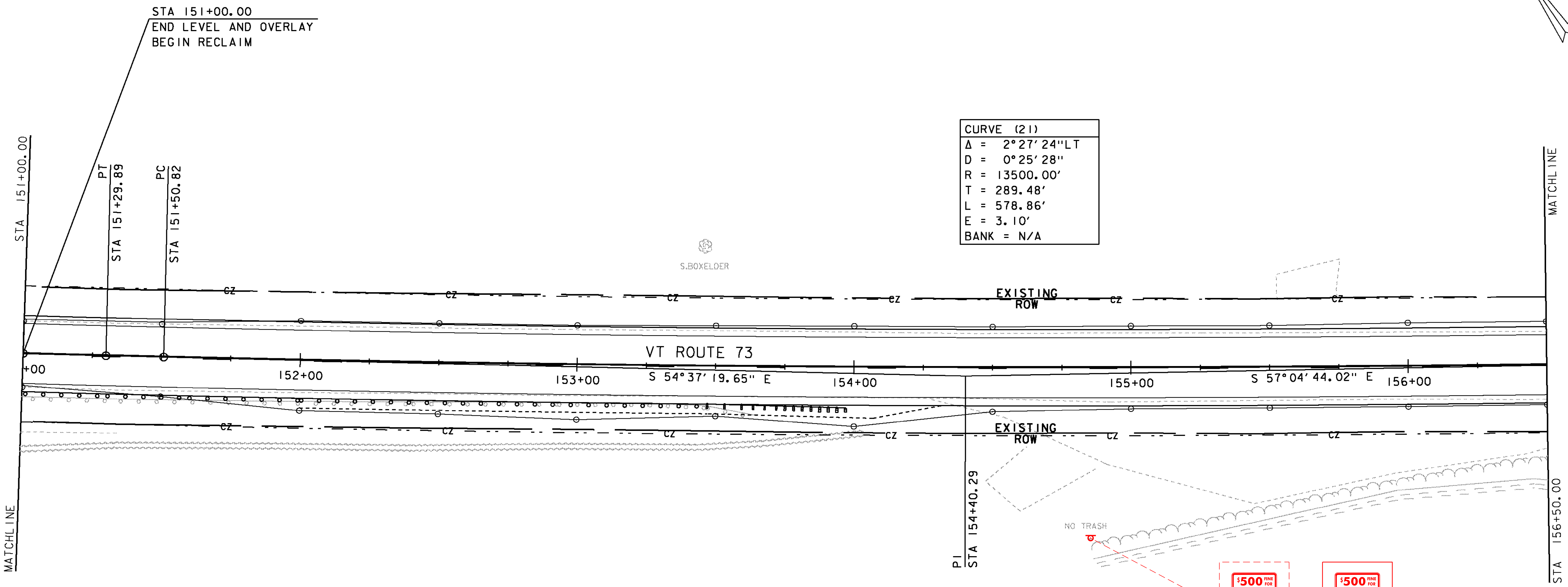
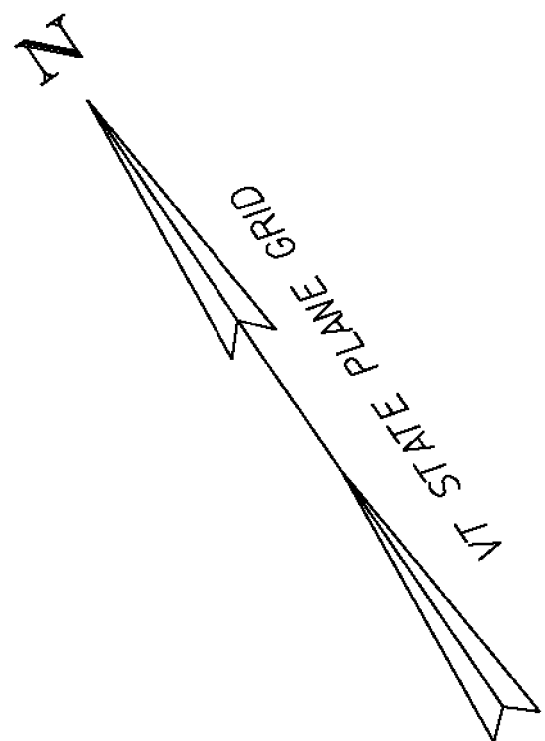


516.10 BRIDGE EXPANSION JOINT, ASPHALTIC PLUG STA 145+54 STA 146+33	621.737 GUARDRAIL APPROACH SECTION, GALVANIZED HD STEEL BEAM STA 146+34 TO 146+59 LT & RT	TEMPORARY 4 INCH YELLOW LINE, PAINT STA 145+50 TO 151+00 RT (DASHED) STA 145+50 TO 151+00 LT	900.675 SPECIAL PROVISION (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES) STA 149+86 LT
525.10 REMOVAL OF EXISTING BRIDGE RAILING STA 145+50 TO 146+34 LT & RT	621.80 REMOVAL AND DISPOSAL OF GUARDRAIL STA 146+34 TO 151+00 RT STA 146+34 TO 147+75 LT	675.20 TRAFFIC SIGN, TYPE A STA 147+05 LT	
525.50 BRIDGE RAILING REPAIR, TYPE I STA 145+50 TO 146+34 LT & RT	DURABLE 4 INCH WHITE LINE (SEE OPTION AA) STA 145+50 TO 151+00 RT & LT	675.341 SQUARE TUBE SIGN POST AND ANCHOR STA 147+05 LT	
621.20 STEEL BEAM GUARDRAIL, GALVANIZED STA 146+59 TO 151+00 RT STA 146+59 TO 147+75 LT	DURABLE 4 INCH YELLOW LINE (SEE OPTION BB) STA 145+50 TO 151+00 RT (DASHED, CENTERLINE) STA 145+50 TO 151+00 LT (CENTERLINE)	675.50 REMOVING SIGNS STA 147+05 LT	
621.60 ANCHOR FOR STEEL BEAM STA 147+69 LT	TEMPORARY 4 INCH WHITE LINE, PAINT STA 145+50 TO 151+00 RT & LT		



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 24	SHEET 42 OF 137



CURVE (21)	
Δ	= 2°27'24"LT
D	= 0°25'28"
R	= 13500.00'
T	= 289.48'
L	= 578.86'
E	= 3.10'
BANK	= N/A

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 151+00 TO 153+47 RT

621.51 MANUFACTURED TERMINAL SECTION, TANGENT
STA 153+47 TO 153+97 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 151+00 TO 153+47 RT

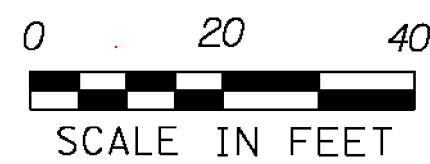
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 151+00 TO 156+50 RT & LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 151+00 TO 156+50 RT (DASHED, CENTERLINE)
STA 151+00 TO 156+50 LT (CENTERLINE)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA 151+00 TO 156+50 RT & LT

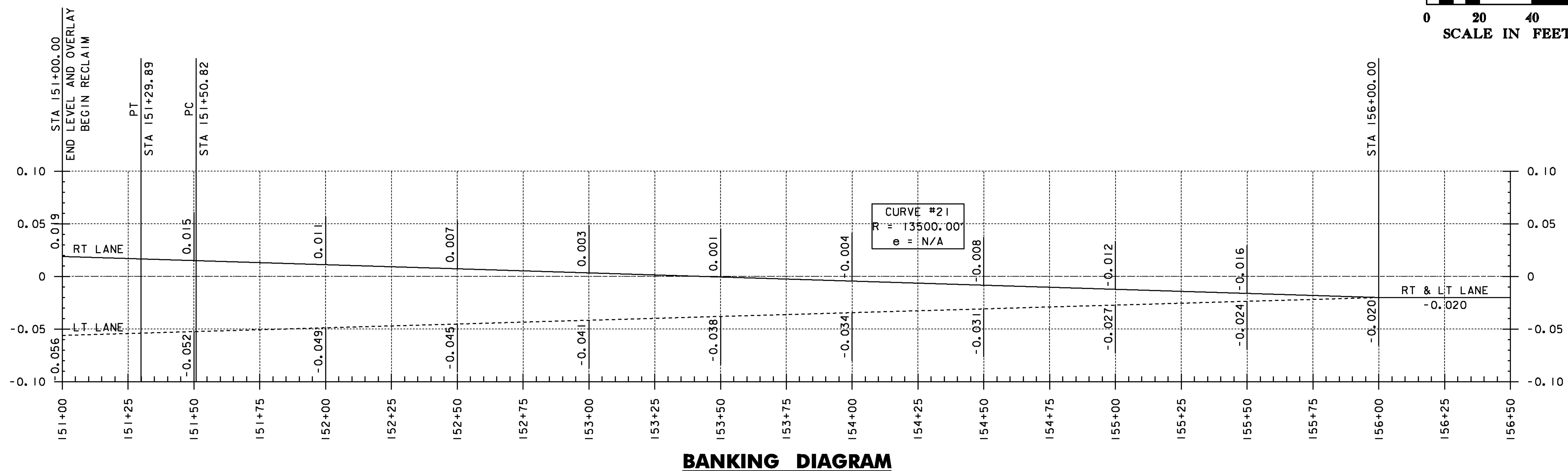
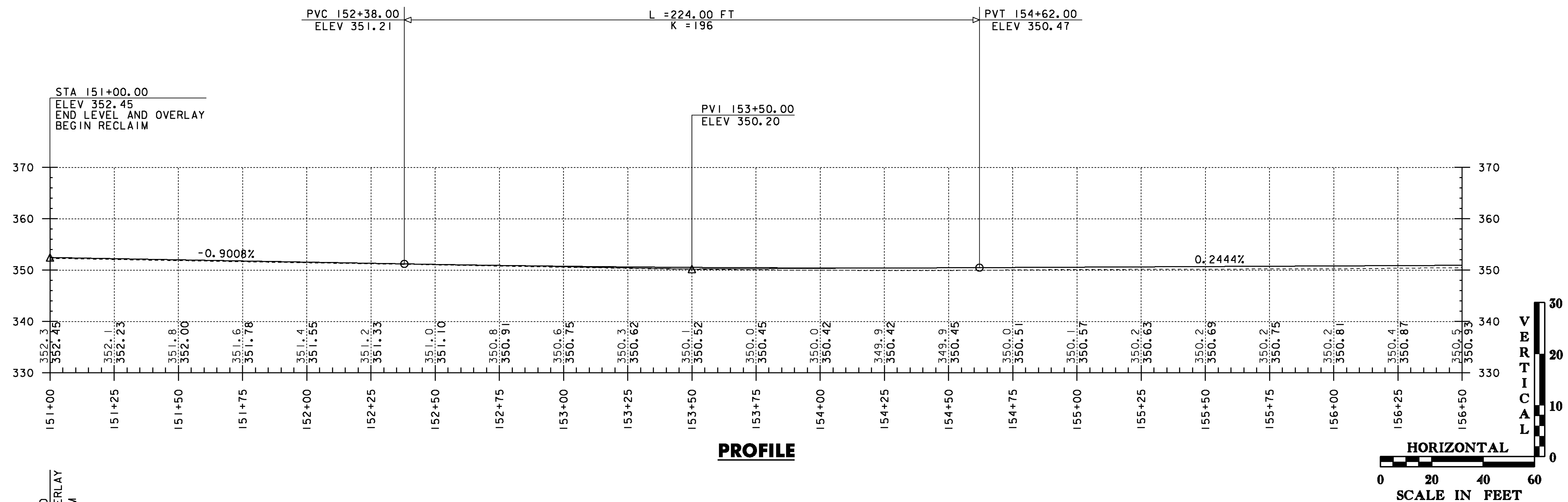
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 151+00 TO 156+50 RT (DASHED)
STA 151+00 TO 156+50 LT

675.612 REMOVING SIGNS
STA. 155+46 RT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 25	SHEET 43 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 25	SHEET 44 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 156+50 TO 162+00 RT & LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 156+50 TO 157+75 RT (DASHED, CENTERLINE)
STA 156+50 TO 157+75 LT (CENTERLINE)
STA 157+75 TO 162+00 RT (CENTERLINE)
STA 157+75 TO 162+00 LT (DASHED, CENTERLINE)

TEMPORARY 4 INCH WHITE LINE, PAINT
STA 156+50 TO 162+00 RT & LT

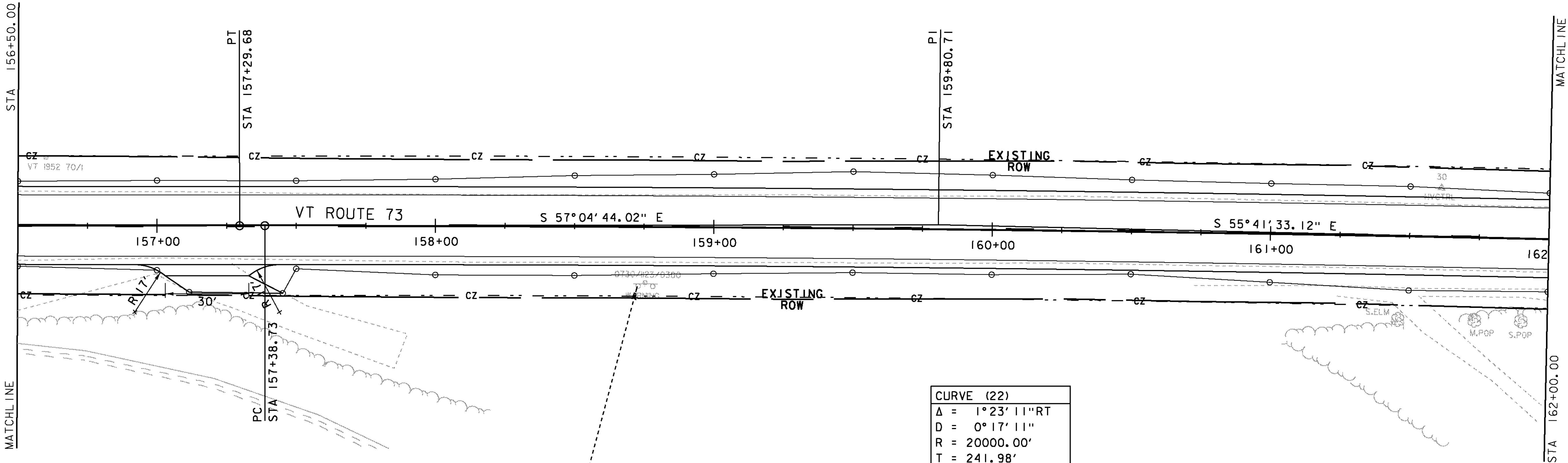
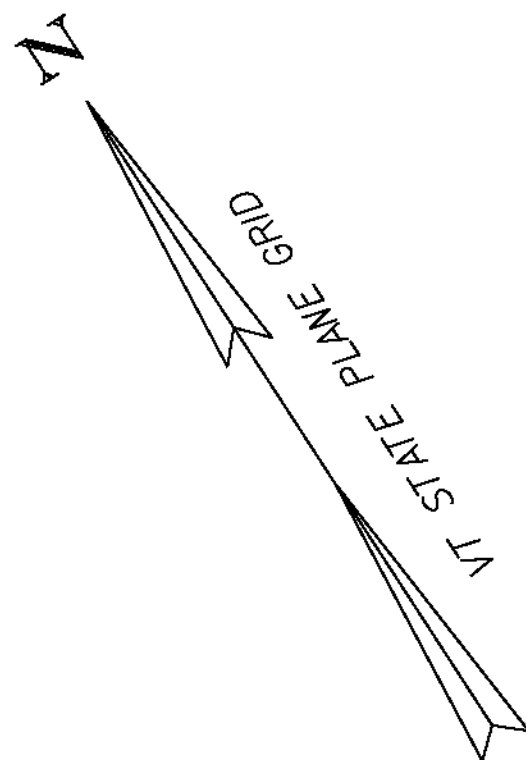
TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 156+50 TO 157+75 RT (DASHED)
STA 156+50 TO 157+75 LT
STA 157+75 TO 162+00 RT
STA 157+75 TO 162+00 LT (DASHED)

675.20 TRAFFIC SIGN, TYPE A
STA 158+72 RT

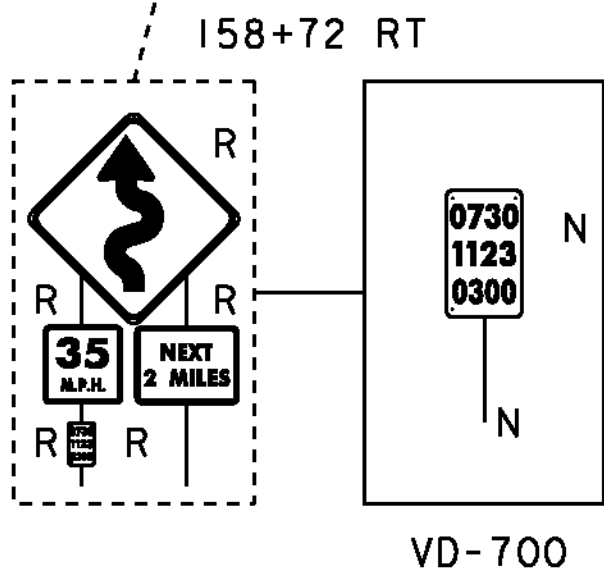
675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 158+72 RT

675.50 REMOVING SIGNS
STA 158+72 RT (4)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 157+18 RT

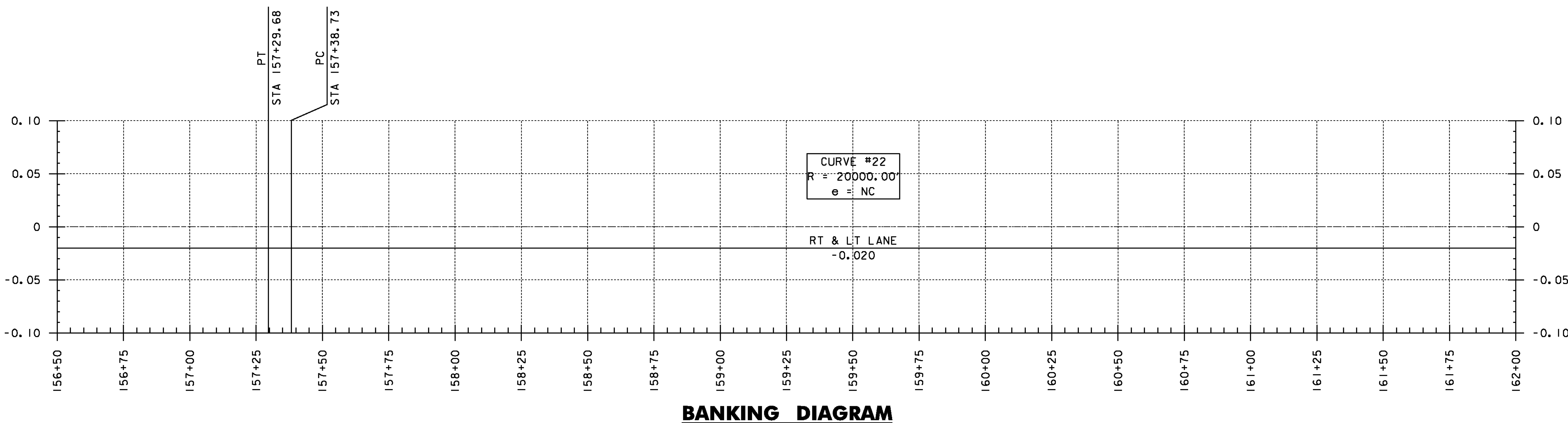
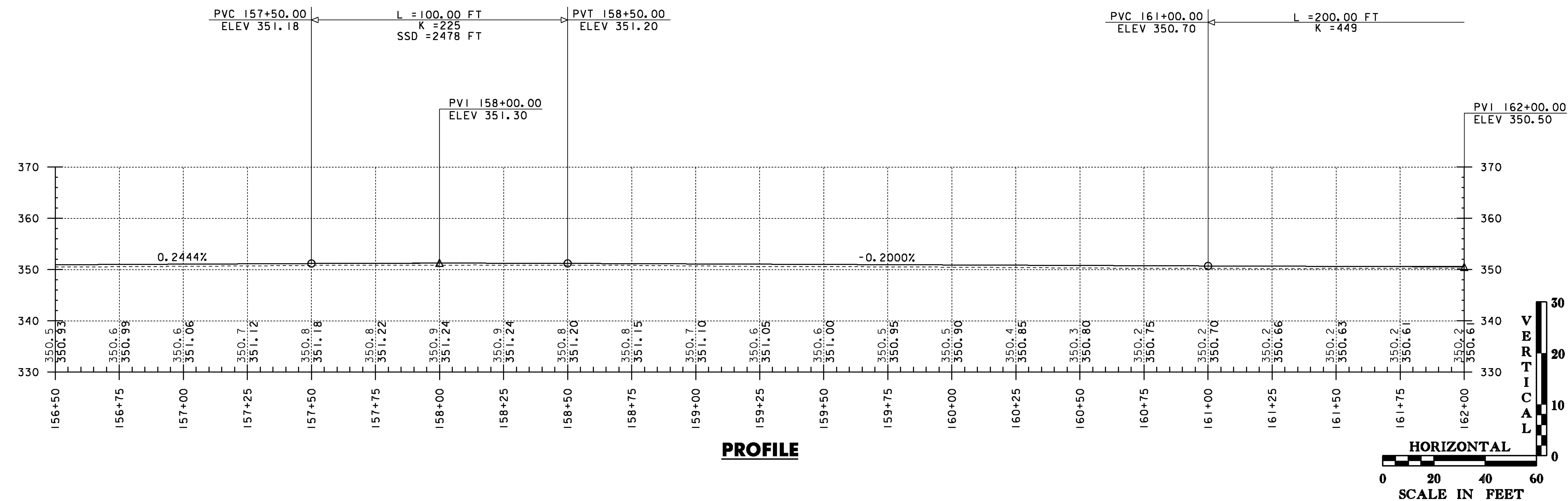


CURVE (22)	
Δ	= 1°23'11"RT
D	= 0°17'11"
R	= 20000.00'
T	= 241.98'
L	= 483.93'
E	= 1.46'
BANK	= NC



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 26	SHEET 45 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 26	SHEET 46 OF 137

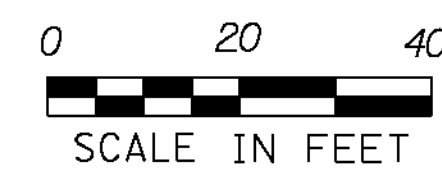
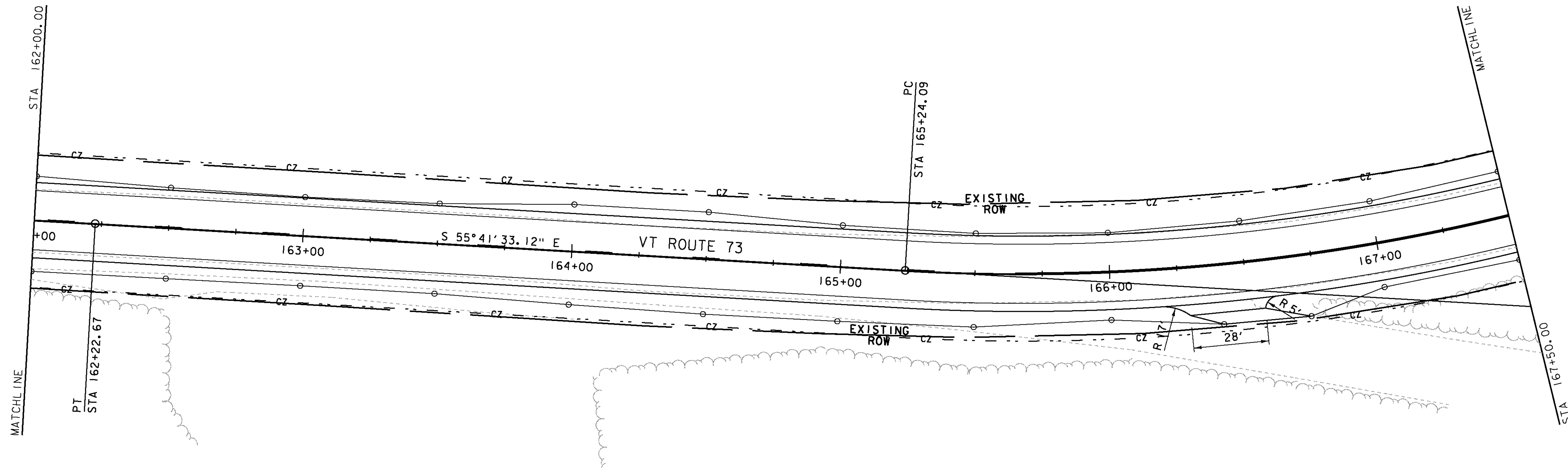
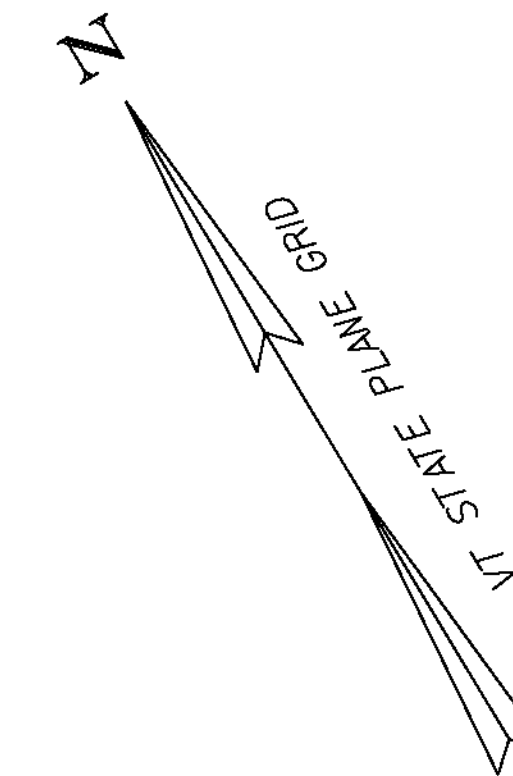
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
STA 162+00 TO 167+50 RT & LT

DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 162+00 TO 167+50 RT (CENTERLINE)
STA 162+00 TO 165+75 LT (DASHED, CENTERLINE)
STA 165+75 TO 167+50 LT (CENTERLINE)

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
STA 162+00 TO 167+50 RT & LT

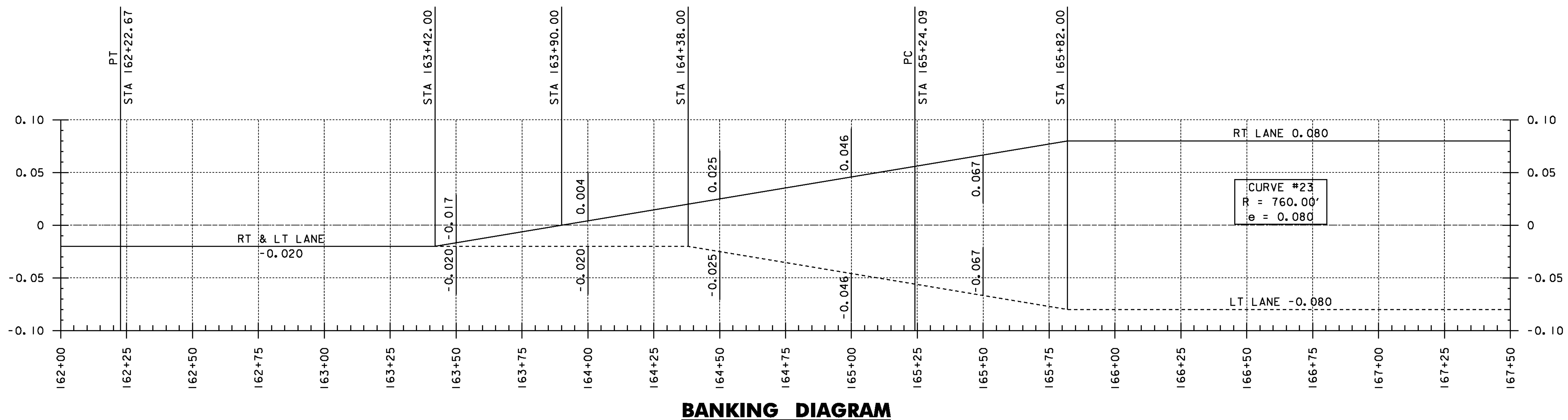
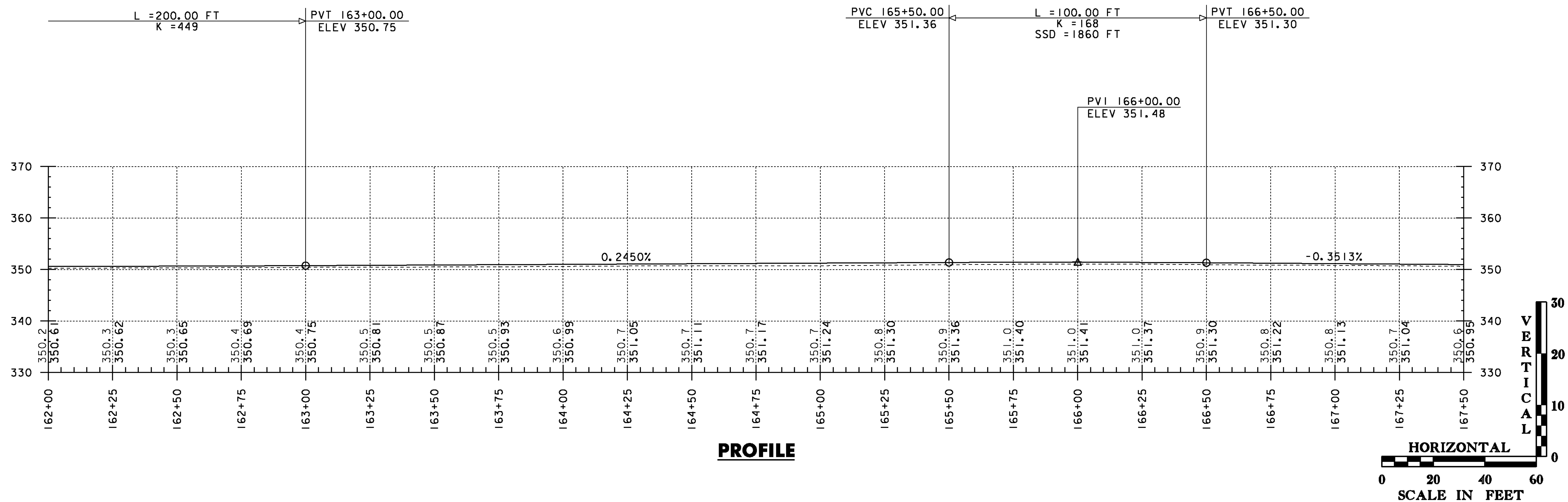
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 162+00 TO 167+50 RT
STA 162+00 TO 165+75 LT (DASHED)
STA 165+75 TO 167+50 LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 166+42 RT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 27	SHEET 47 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM 27	
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	48 OF 137

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 167+50 SUDBURY TO 4+50 BRANDON RT & LT

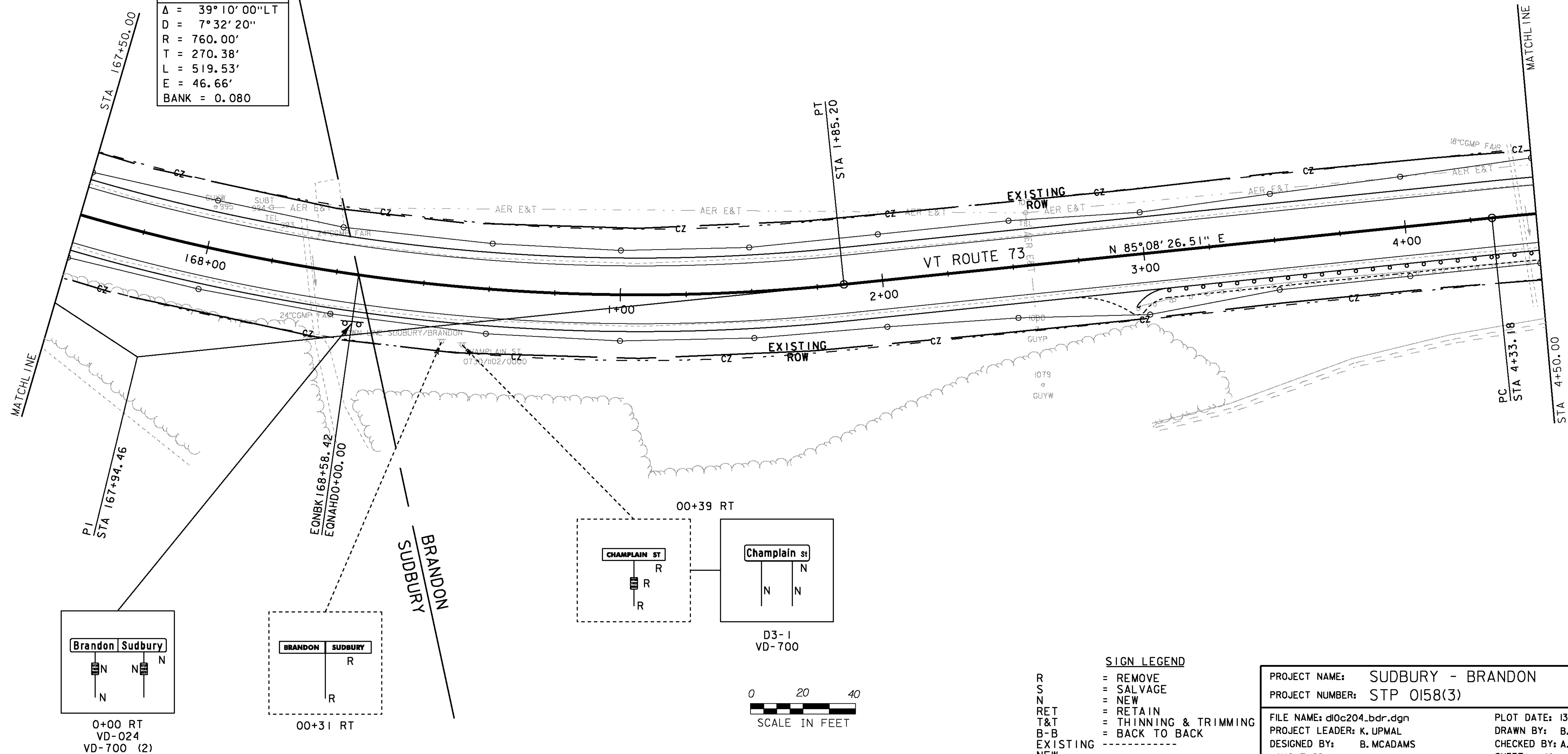
675.20 TRAFFIC SIGN, TYPE A
STA 00+00 RT (3)
STA 00+39 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 00+00 RT (2)
STA 00+39 RT (2)

675.50 REMOVING SIGNS
STA 00+31 RT
STA 00+39 RT (2)

675.50 REMOVING SIGNS
STA 00+31 RT
STA 00+39 RT (2)

CURVE (23)
Δ = 39° 10' 00" LT
D = 7° 32' 20"
R = 760.00'
T = 270.38'
L = 519.53'
E = 46.66'
BANK = 0.080



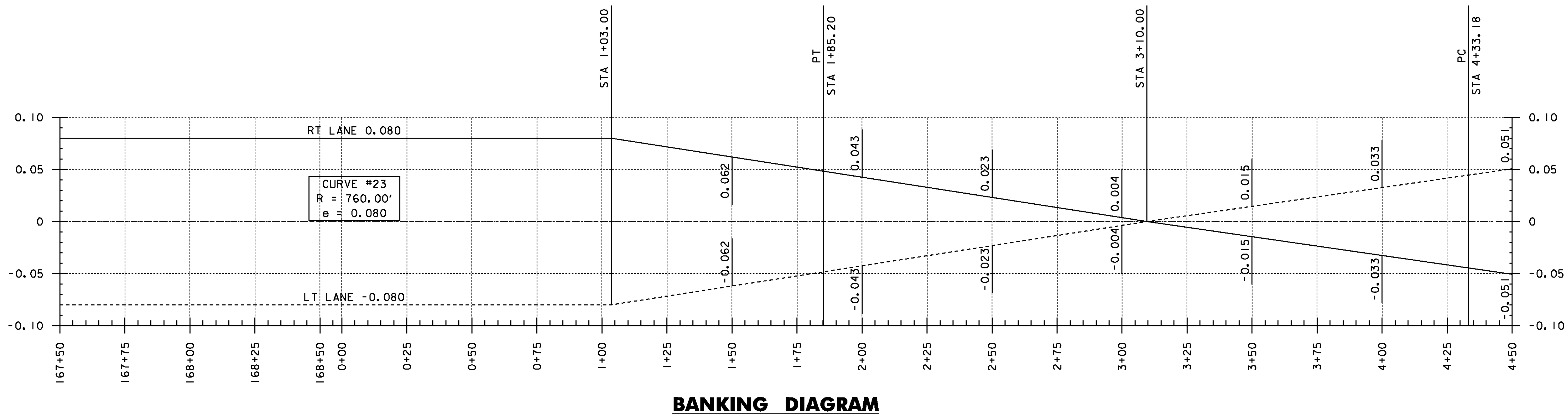
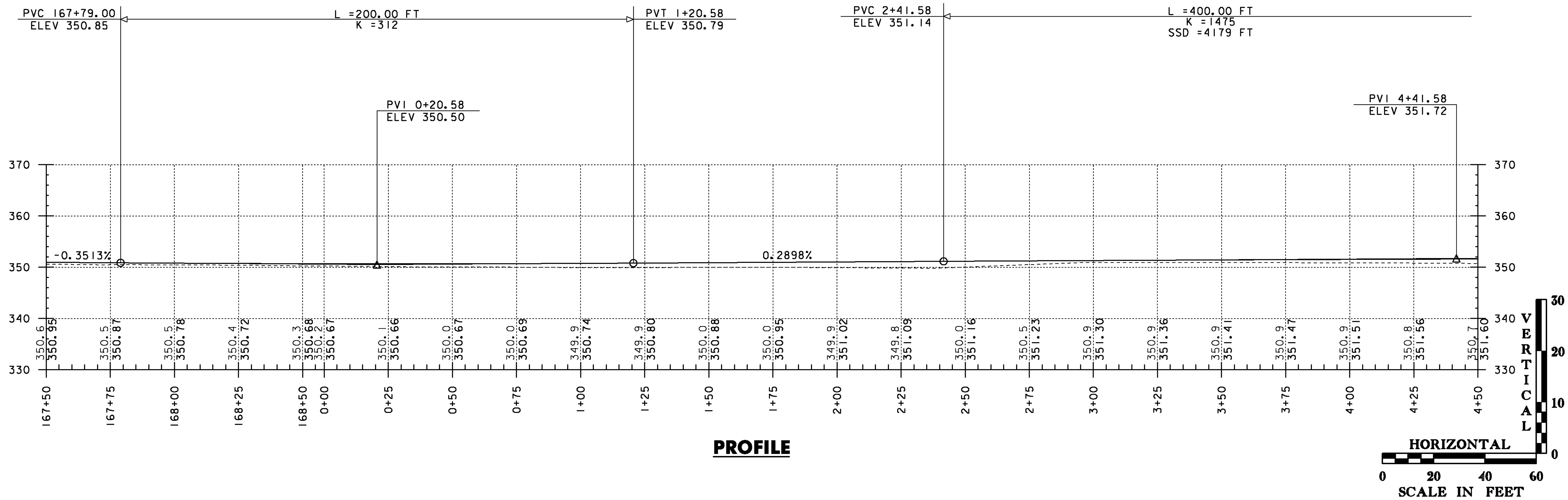
```

R      = REMOVE
S      = SALVAGE
N      = NEW
RET    = RETAIN
T&T    = THINNING & TRIMMING
B-B    = BACK TO BACK
EXISTING -----
NEW     -----

```

FILE NAME: d10c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 28	SHEET 49 OF 137

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 49 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM 28	
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	50 OF 137

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 4+50 TO STA 10+00 RT

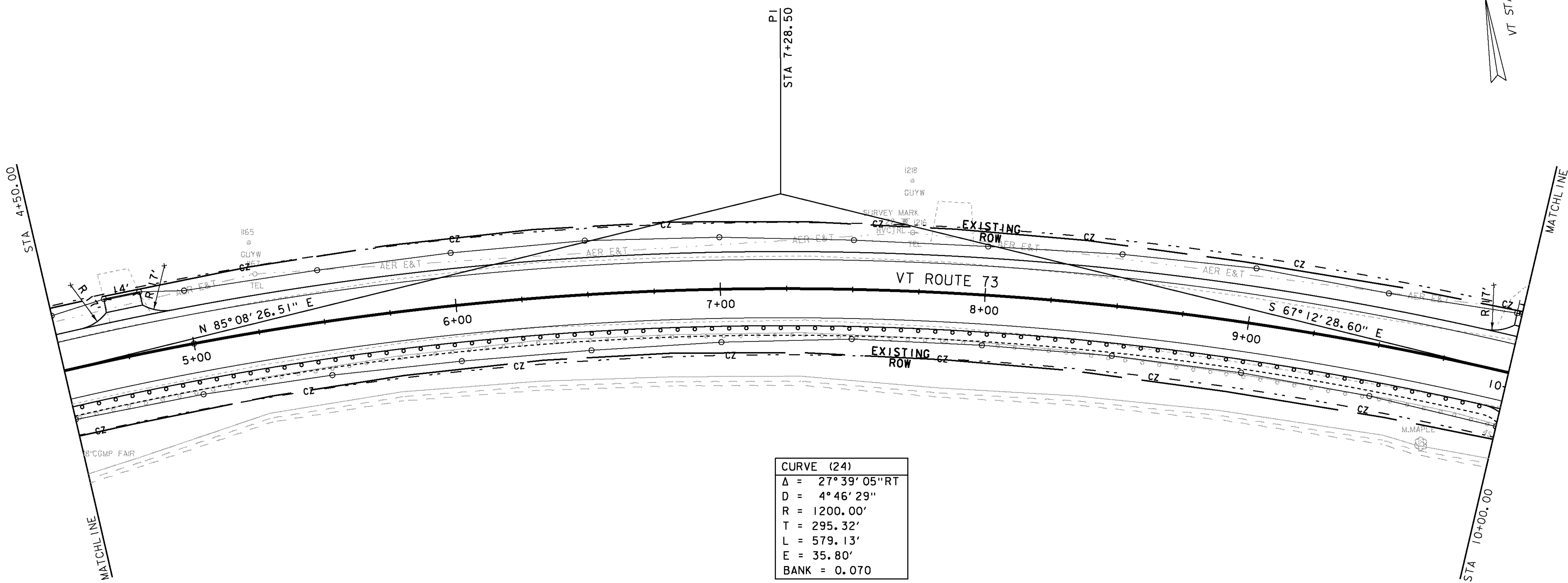
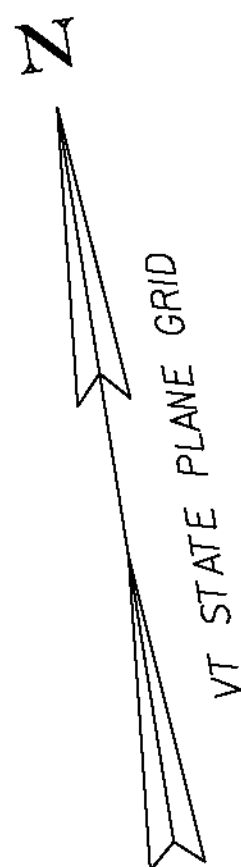
621.60 ANCHOR FOR STEEL BEAM RAIL
STA 10+00 RT

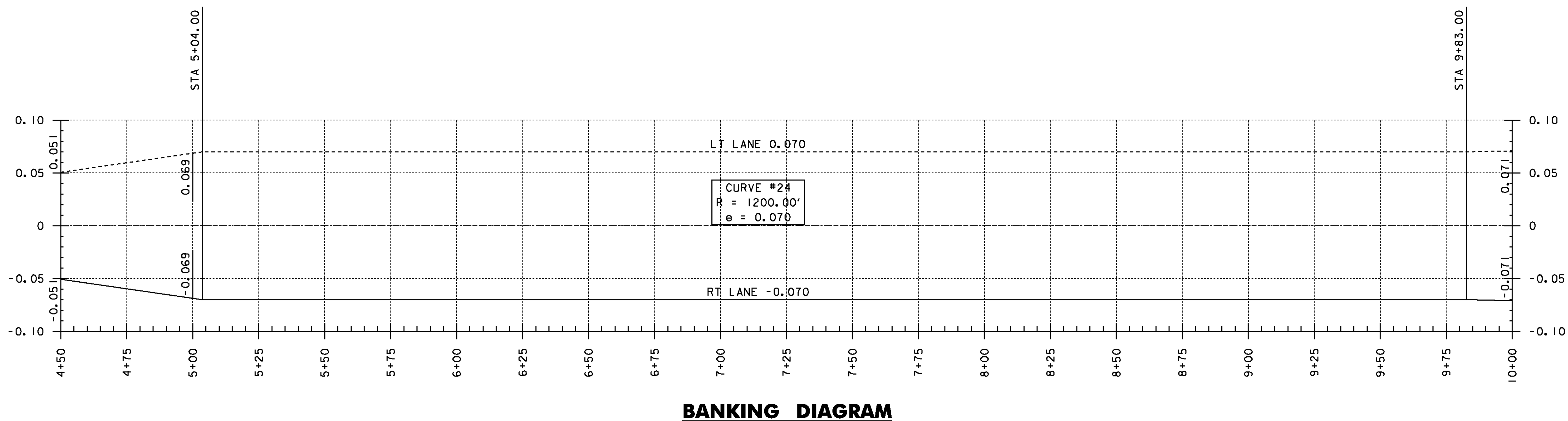
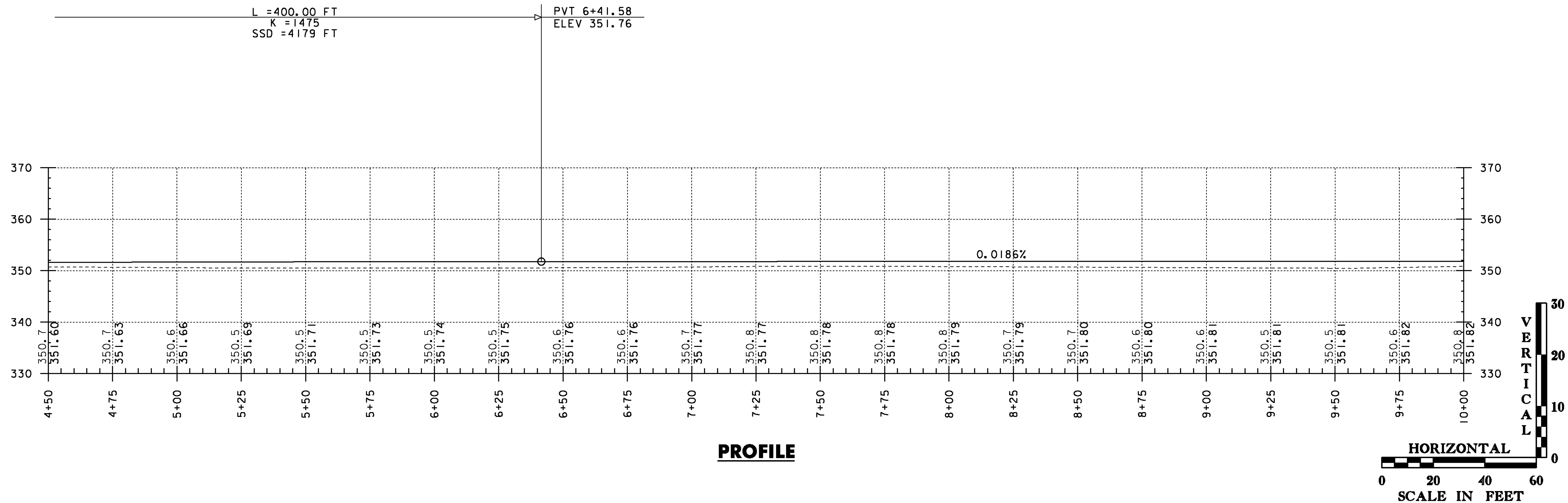
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 4+50 TO STA 10+00 RT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 4+50 TO 10+00 RT & LT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 4+50 TO 10+00 RT & LT

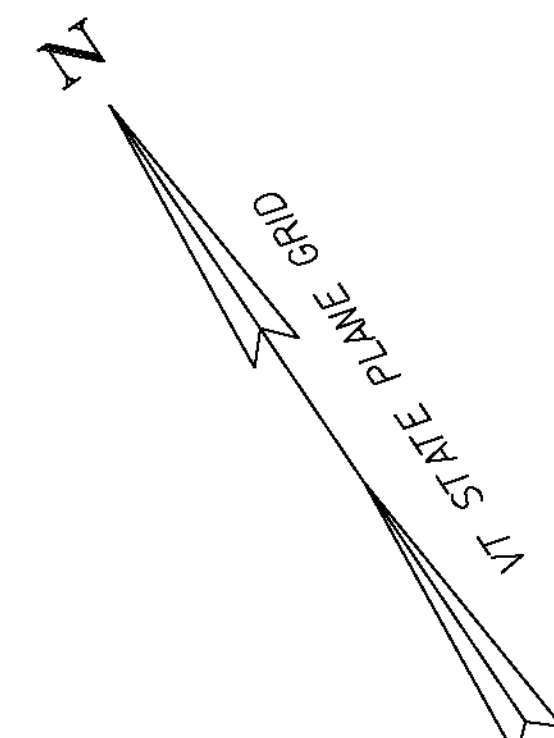
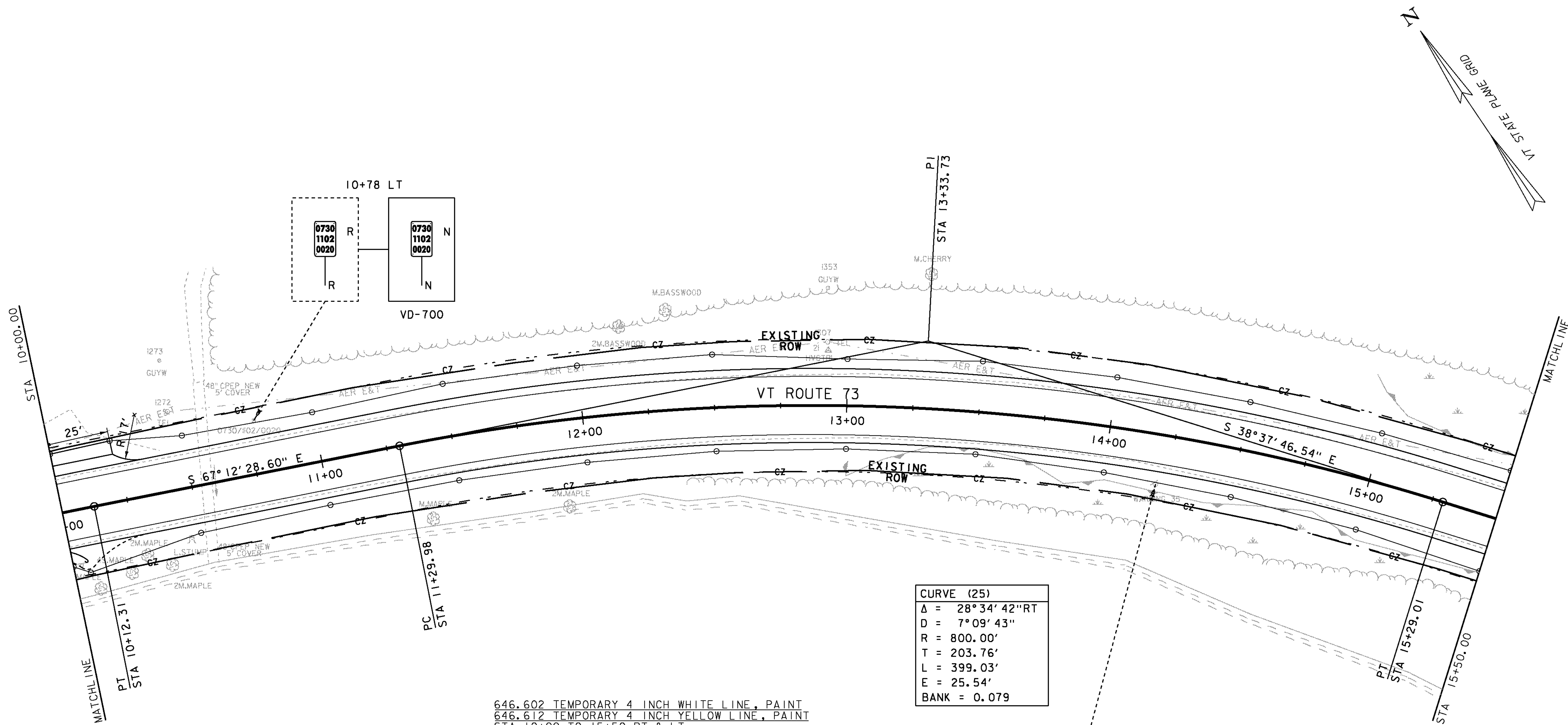
900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 4+77 LT





THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 29	SHEET 52 OF 137



CURVE (25)	
Δ	= 28°34' 42" RT
D	= 7°09' 43"
R	= 800.00'
T	= 203.76'
L	= 399.03'
E	= 25.54'
BANK	= 0.079

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
 646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
 STA 10+00 TO 15+50 RT & LT

675.20 TRAFFIC SIGN, TYPE A
 STA 10+78 LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
 STA 10+78 LT

675.50 REMOVING SIGNS
 STA 10+78 LT
 STA 14+18 RT (2)

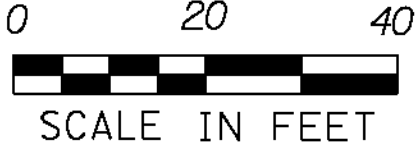
900.675 SPECIAL PROVISION
 (HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
 STA 10+10 LT

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
 STA 10+00 TO STA 10+06 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 10+00 TO STA 10+06 RT

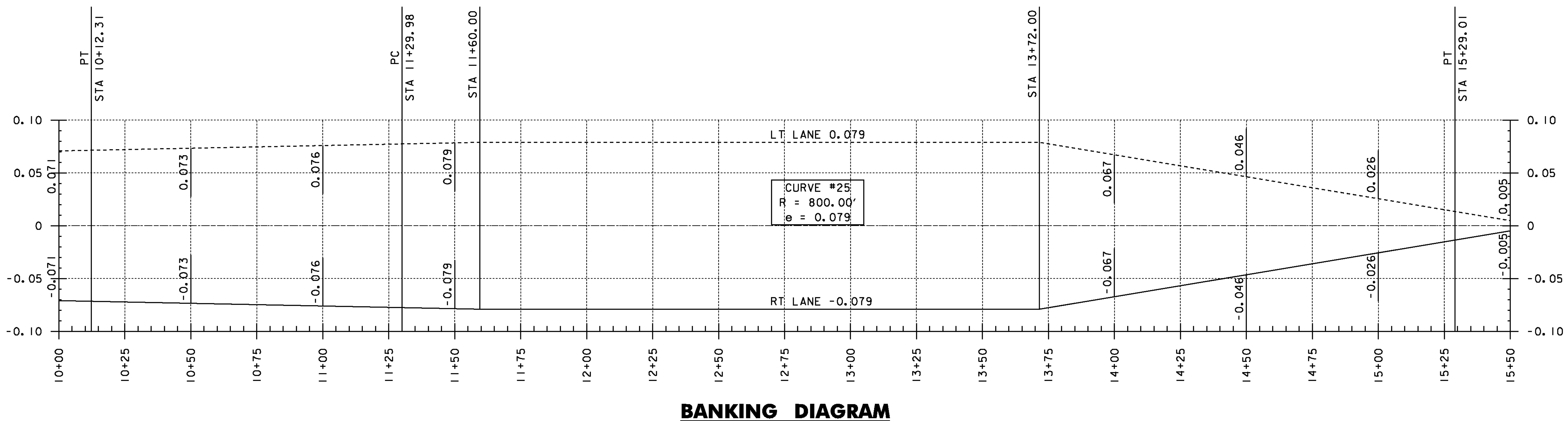
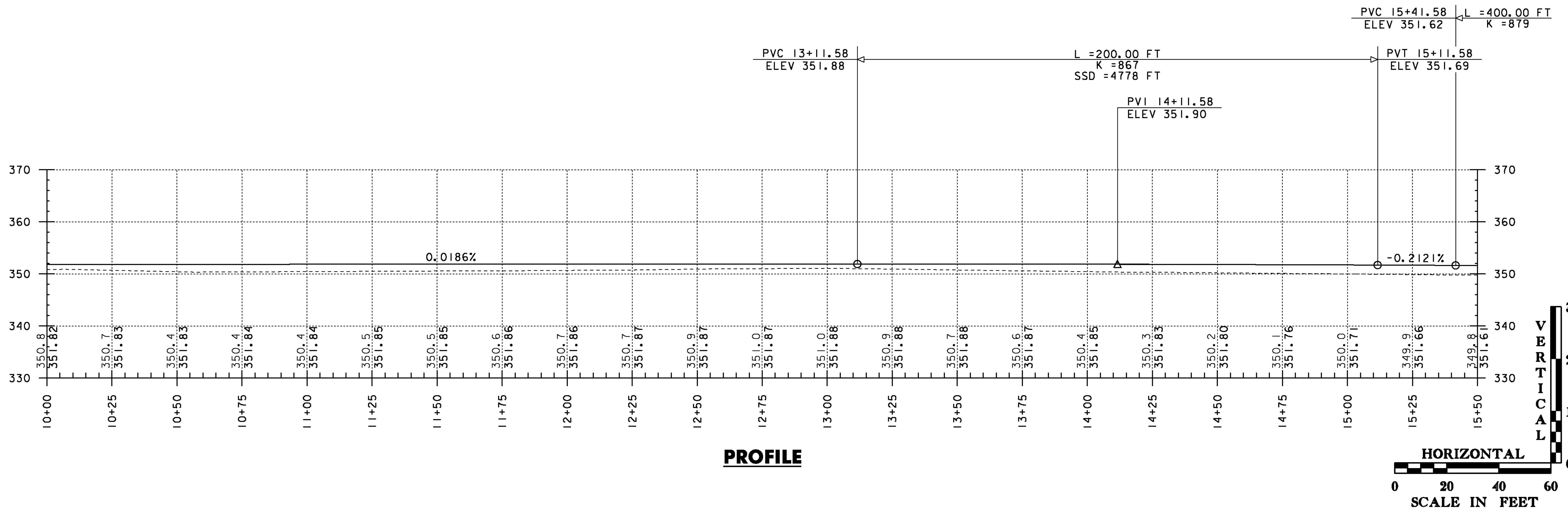
676.10 DELINEATOR WITH STEEL POST
 STA 10+06 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
 DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
 STA 10+00 TO 15+50 RT & LT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	---
NEW	---

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 30	SHEET 53 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

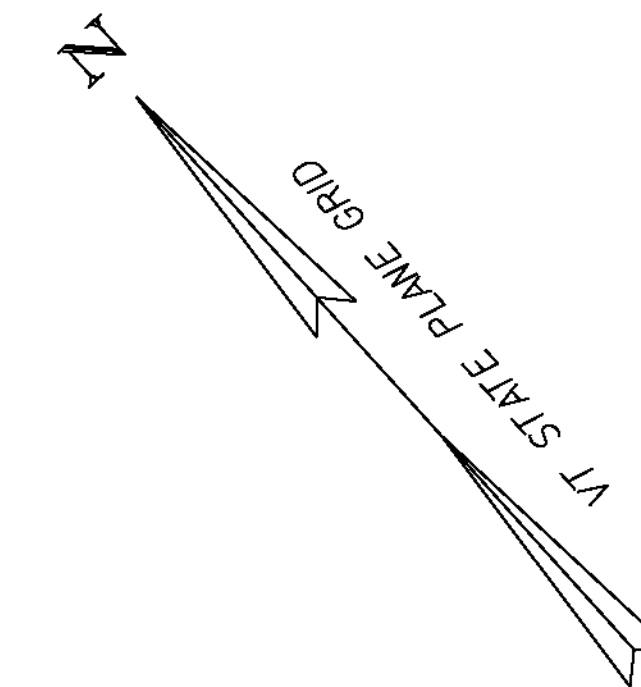
PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM	30
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	54 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 15+50 TO 21+00 RT & LT

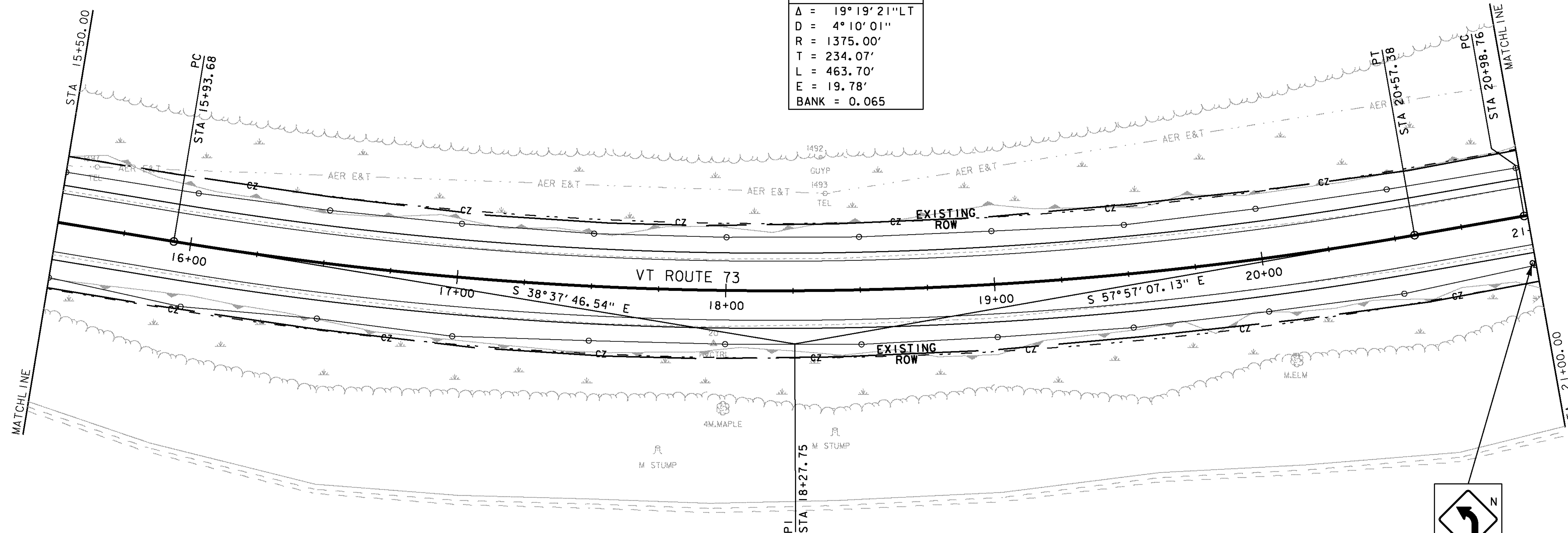
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.610 TEMPORARY 4 INCH YELLOW LINE
STA 15+50 TO 21+00 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 20+96 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 20+96 RT



CURVE (26)	
Δ	= 19° 19' 21" LT
D	= 4° 10' 01"
R	= 1375.00'
T	= 234.07'
L	= 463.70'
E	= 19.78'
BANK	= 0.065

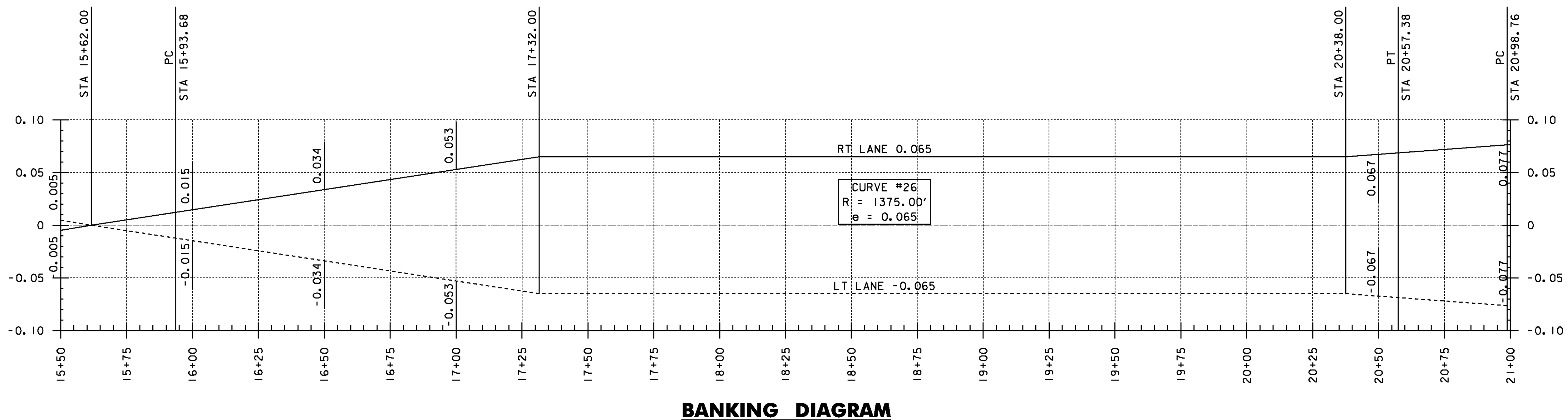
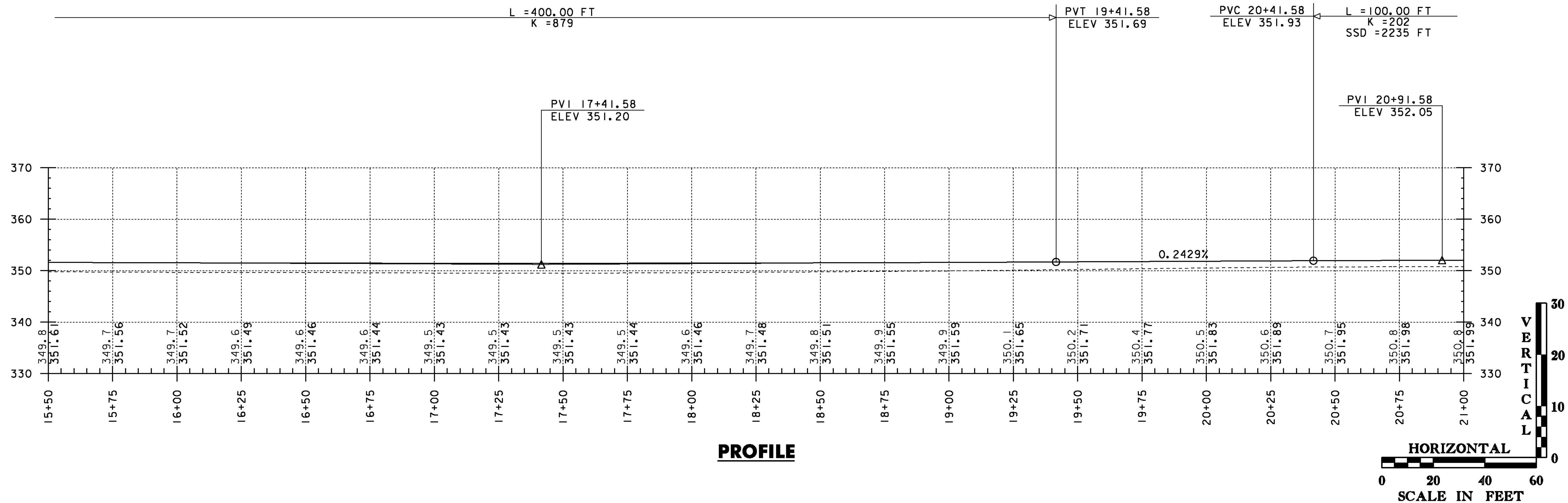


SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	-----

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 31

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 55 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM 31	
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	56 OF 137

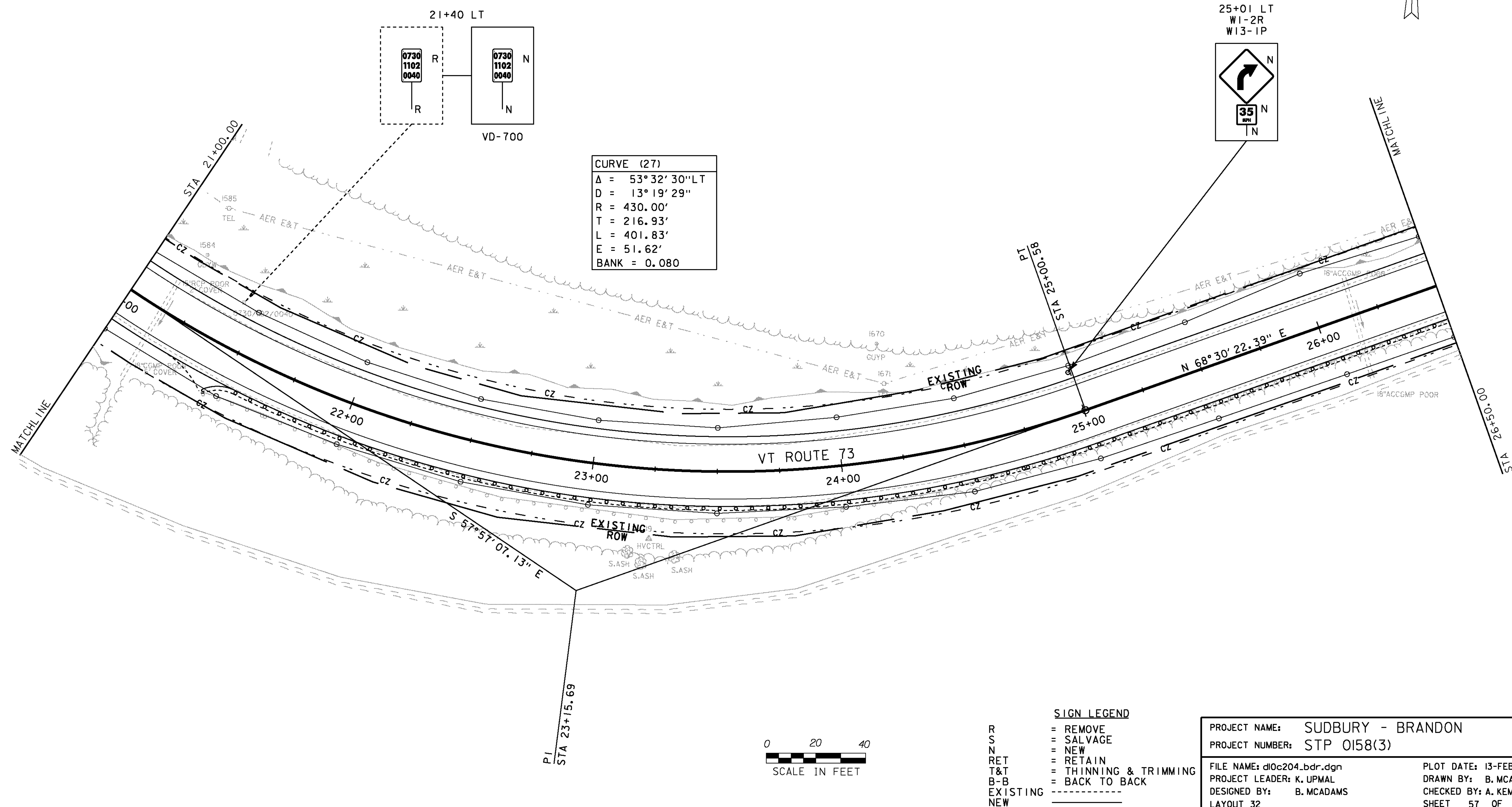
675.20 TRAFFIC SIGN, TYPE A
STA 21+40 LT
STA 25+01 LT (2)

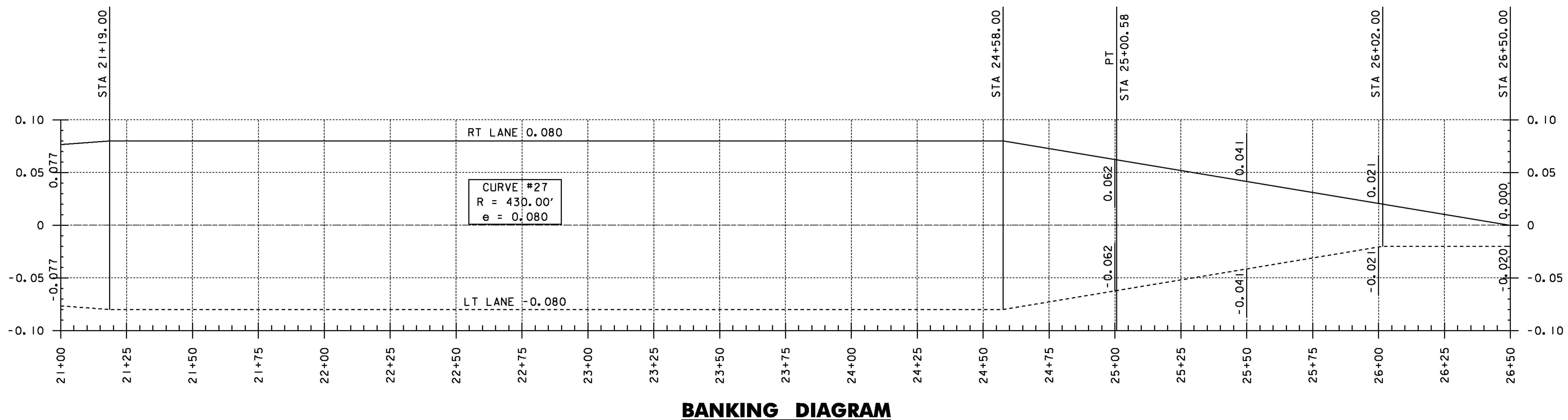
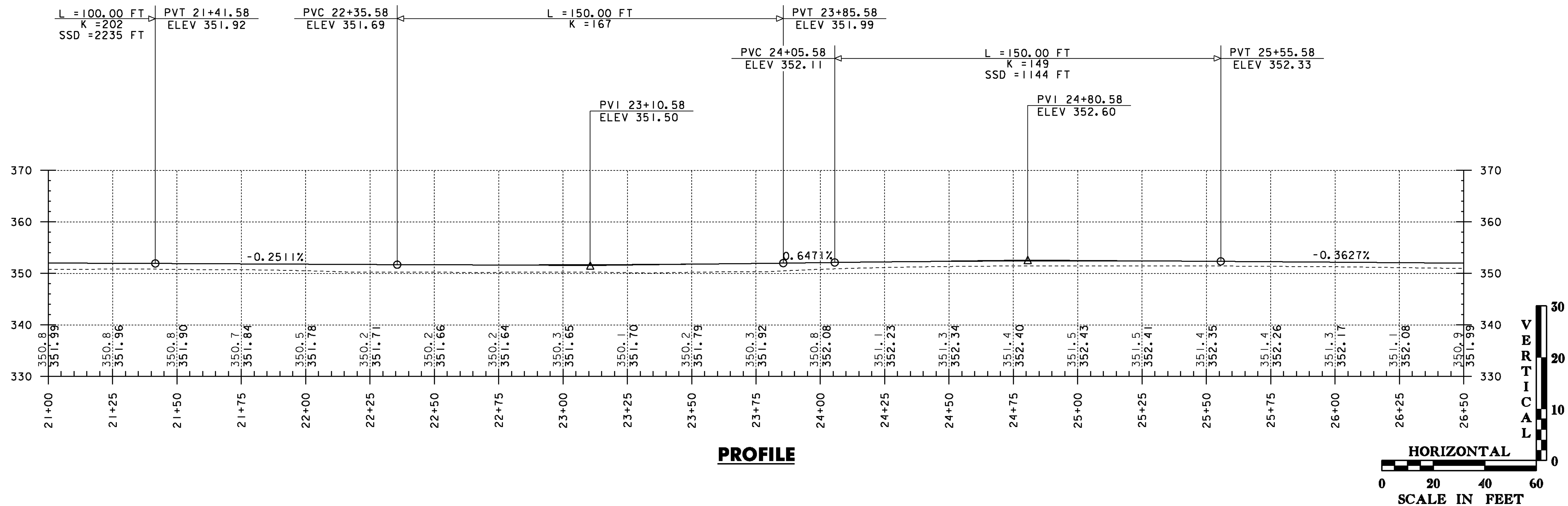
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 21+00 TO 26+50 RT & LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 21+40 LT
STA 25+01 LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 21+00 TO 26+50 RT & LT

675.50 REMOVING SIGNS
STA 21+40 LT





THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM 32	
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	58 OF 137

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA 26+50 TO 32+00 RT

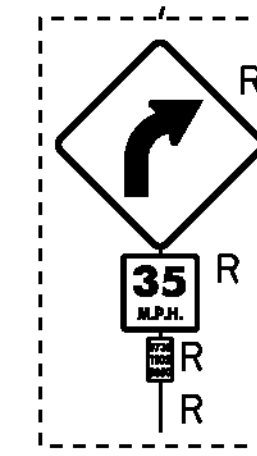
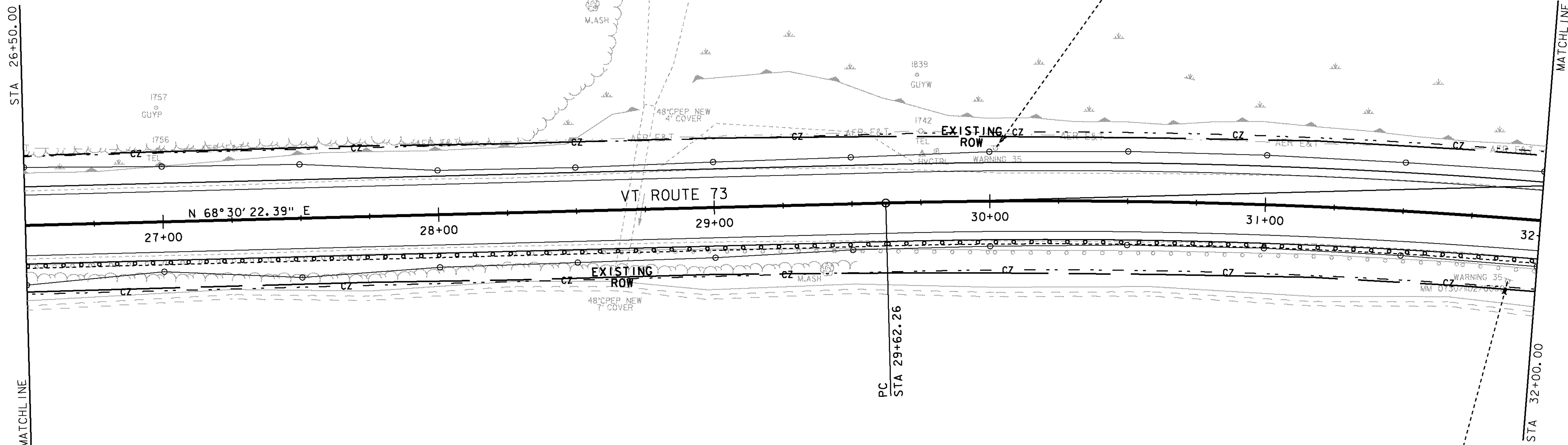
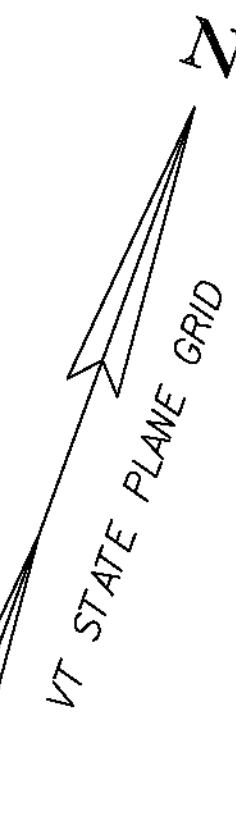
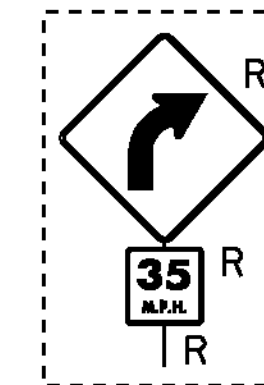
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 26+50 TO 32+00 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 26+50 TO 32+00 RT & LT

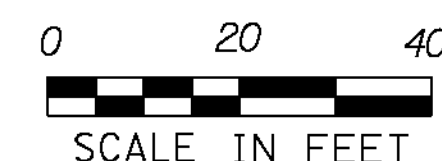
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 26+50 TO 32+00 RT & LT

675.50 REMOVING SIGNS
STA 30+00 LT (2)
STA 31+87 RT (3)

30+00 LT

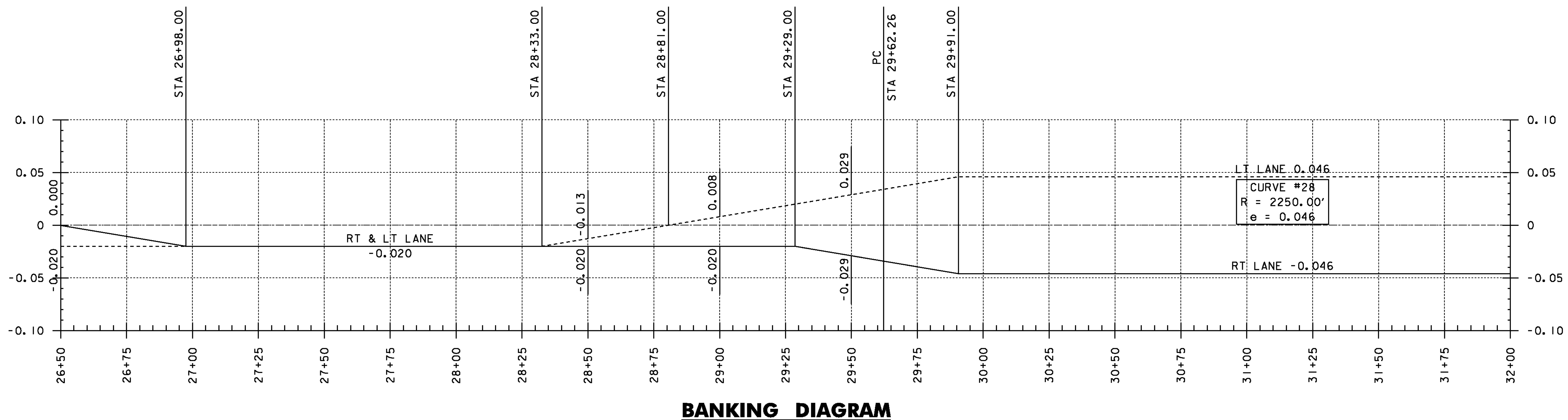
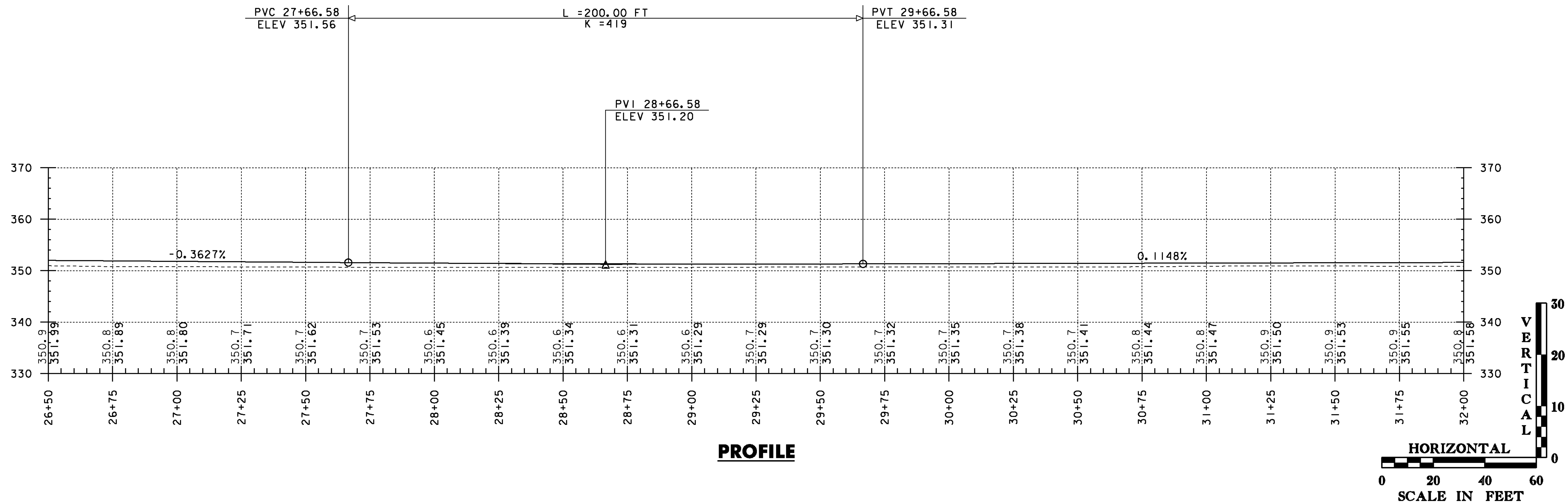


31+87 RT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 33	SHEET 59 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 33	SHEET 60 OF 137

621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA 32+00 TO 37+50 RT

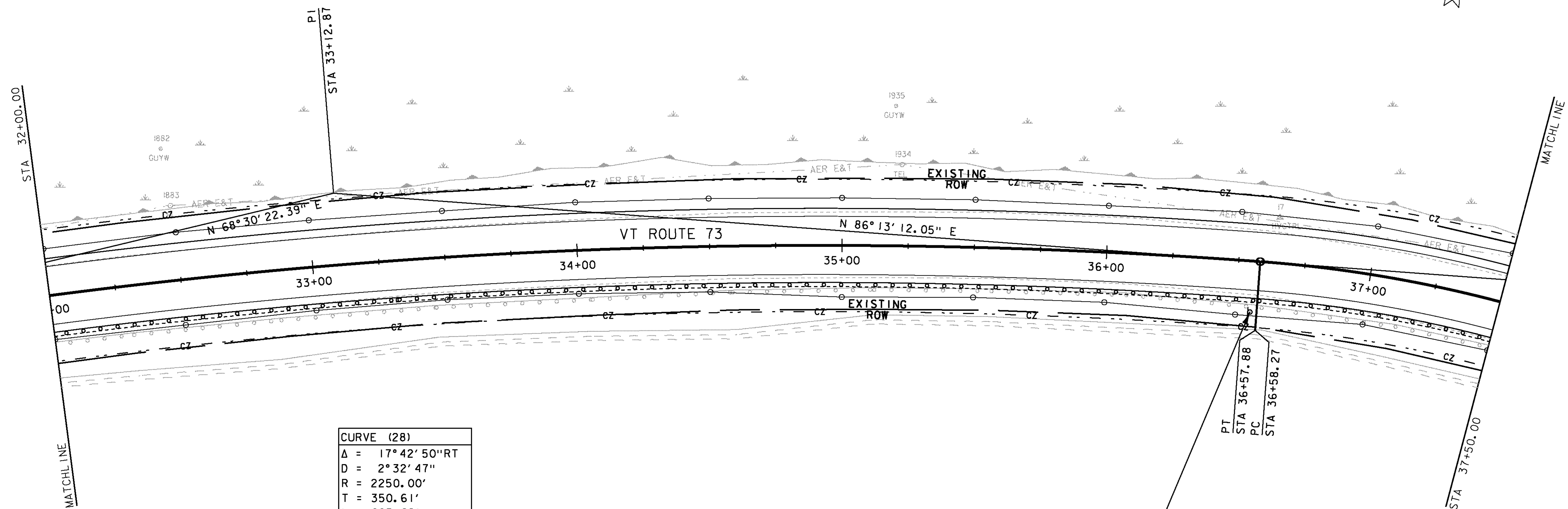
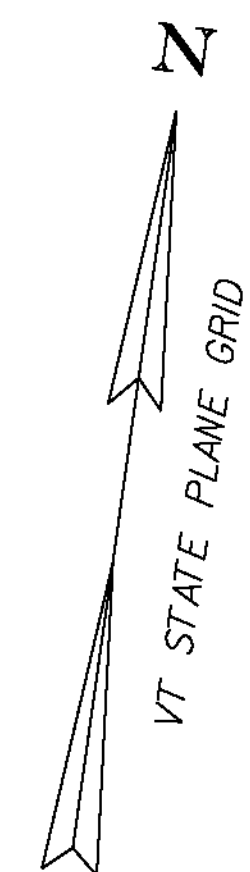
621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 32+00 TO 37+50 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 32+00 TO 37+50 RT & LT

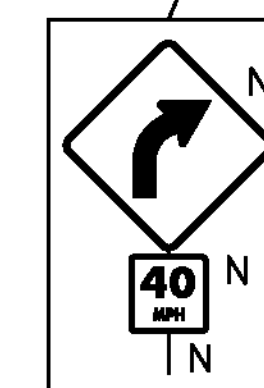
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 32+00 TO 37+50 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 36+56 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 36+56 RT



CURVE (28)	
Δ	= 17°42'50"RT
D	= 2°32'47"
R	= 2250.00'
T	= 350.61'
L	= 695.62'
E	= 27.15'
BANK	= 0.046



36+56 RT
W1-2R
W13-1P

SIGN LEGEND

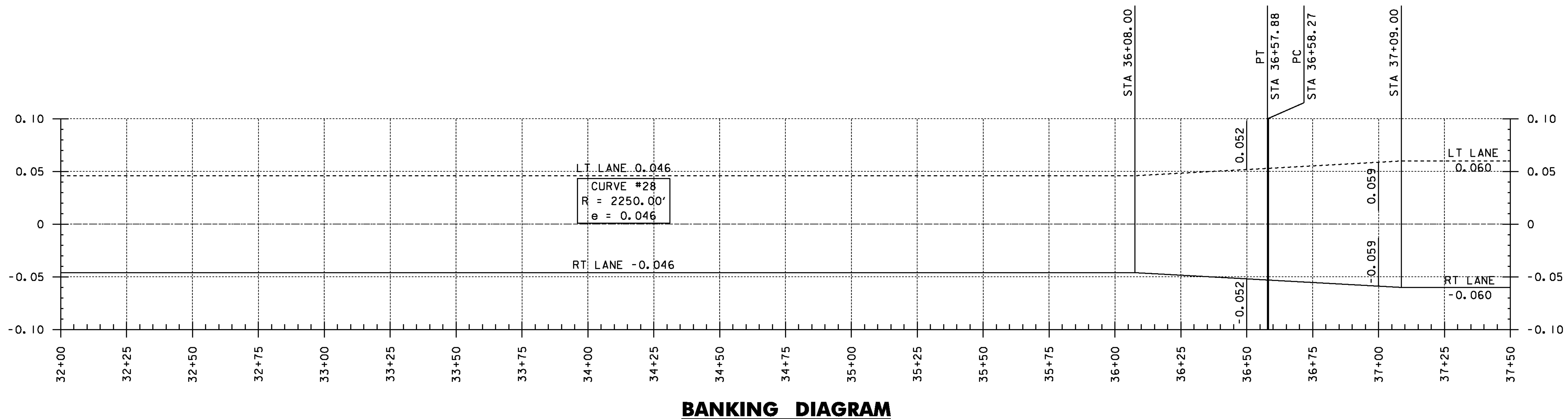
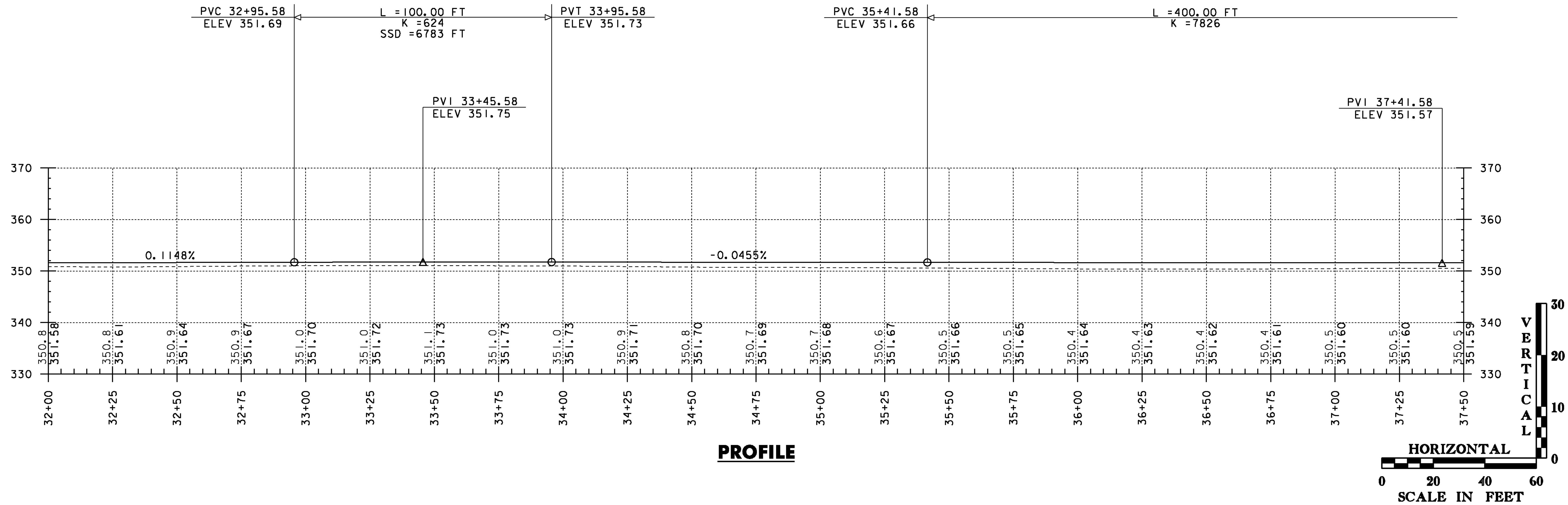
R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING = DASHED LINE
NEW = SOLID LINE

0 20 40
SCALE IN FEET

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 34

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 61 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 34	SHEET 62 OF 137

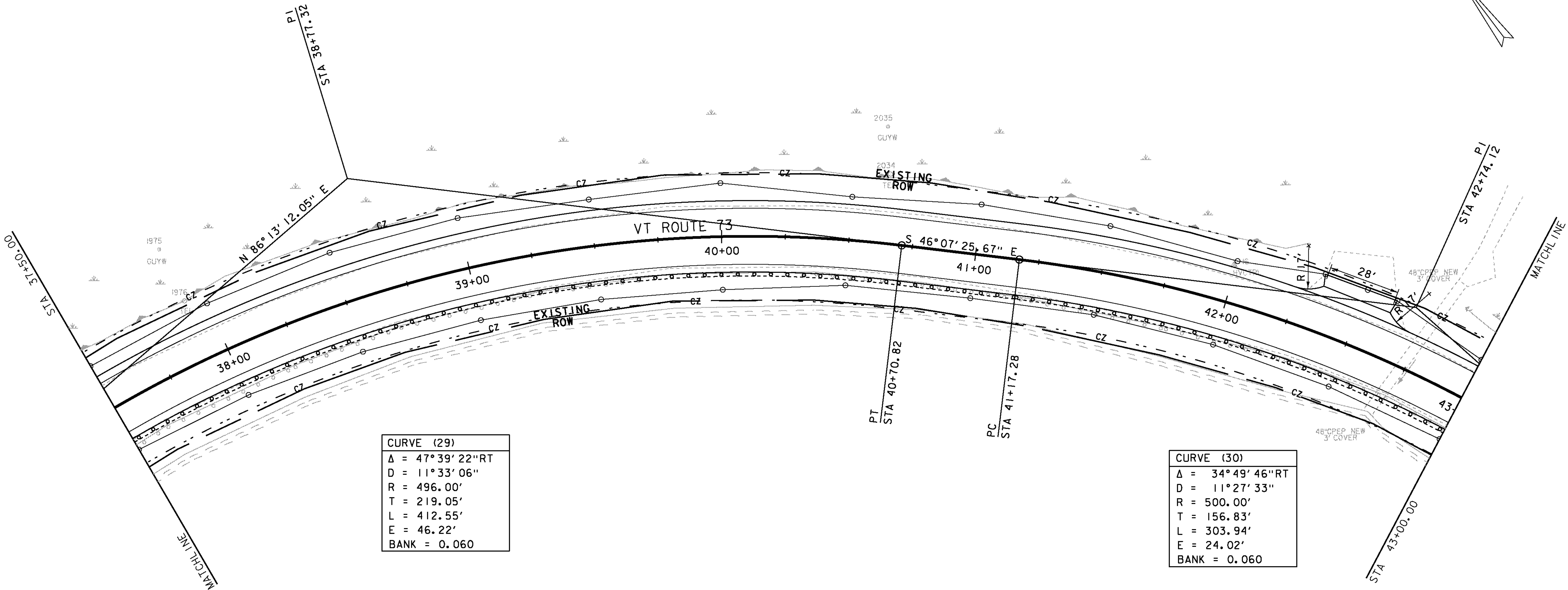
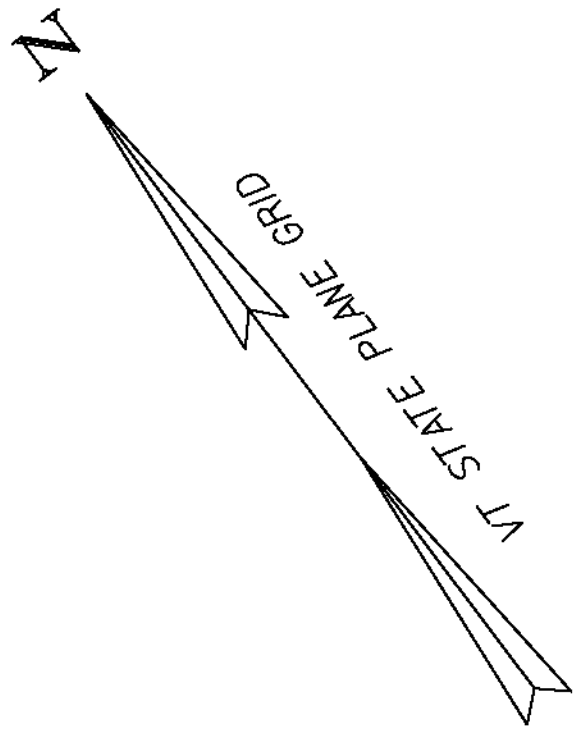
621.205 STEEL BEAM GUARDRAIL, GALVANIZED W/8 FEET POSTS
STA 37+50 TO 43+00 RT

621.80 REMOVAL AND DISPOSAL OF GUARDRAIL
STA 37+50 TO 43+00 RT

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 37+50 TO 43+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 37+50 TO 43+00 RT & LT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 42+48 LT



CURVE (29)	
Δ	= 47° 39' 22" RT
D	= 11° 33' 06"
R	= 496.00'
T	= 219.05'
L	= 412.55'
E	= 46.22'
BANK	= 0.060

CURVE (30)	
Δ	= 34° 49' 46" RT
D	= 11° 27' 33"
R	= 500.00'
T	= 156.83'
L	= 303.94'
E	= 24.02'
BANK	= 0.060

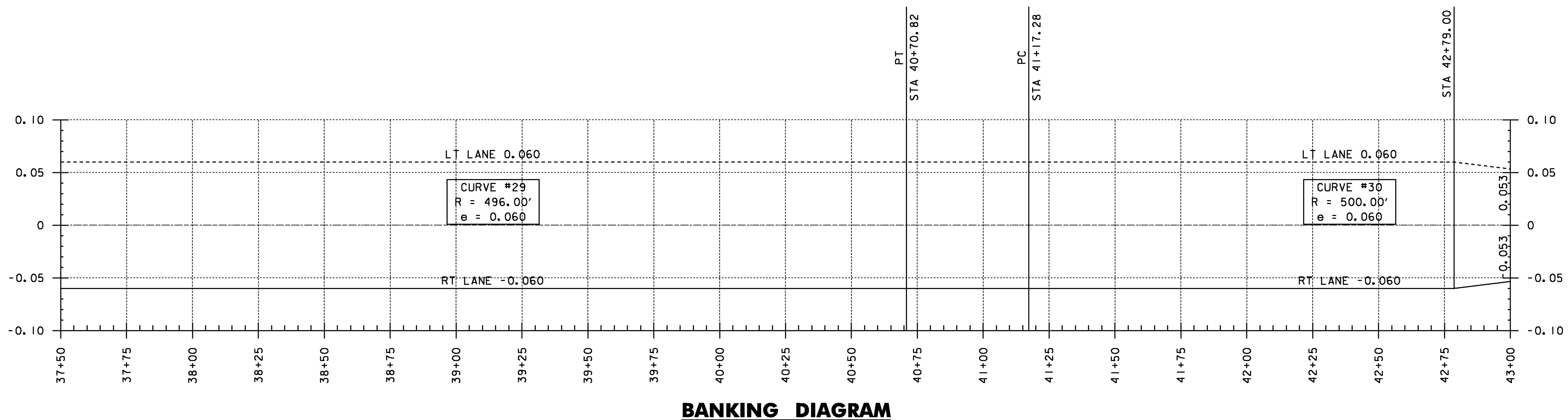
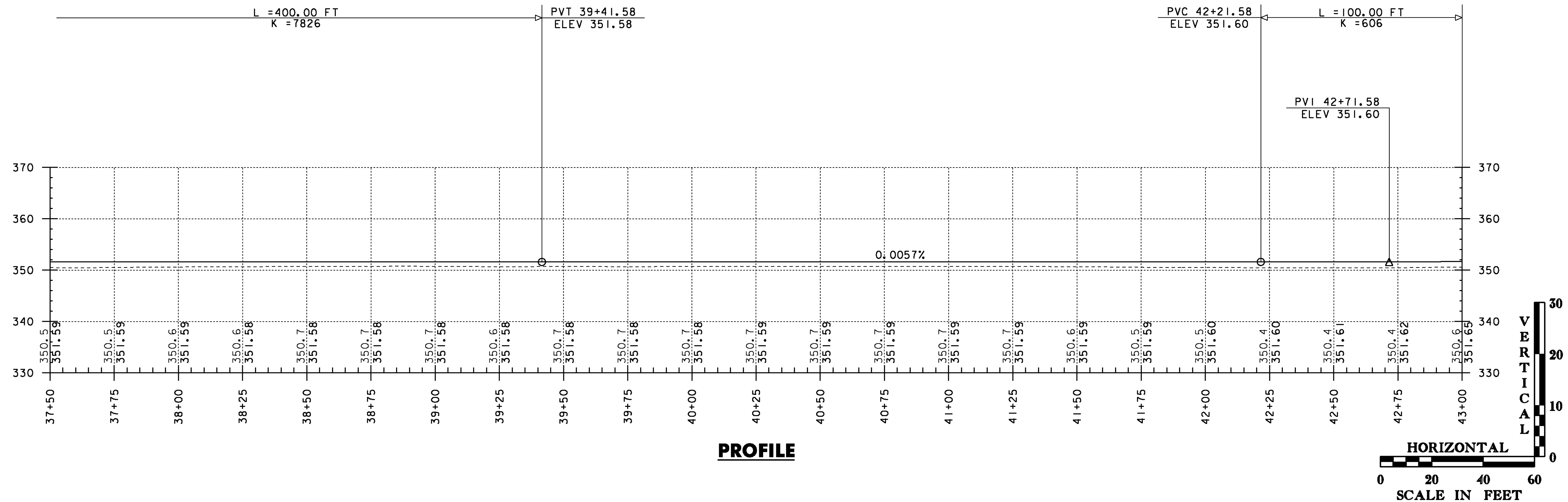


SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 35

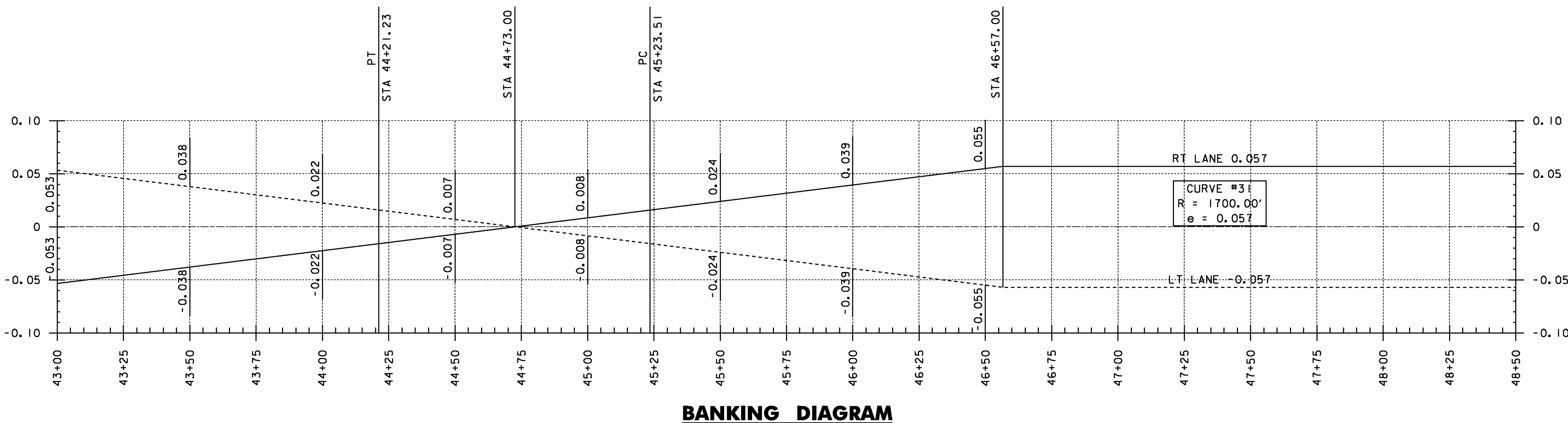
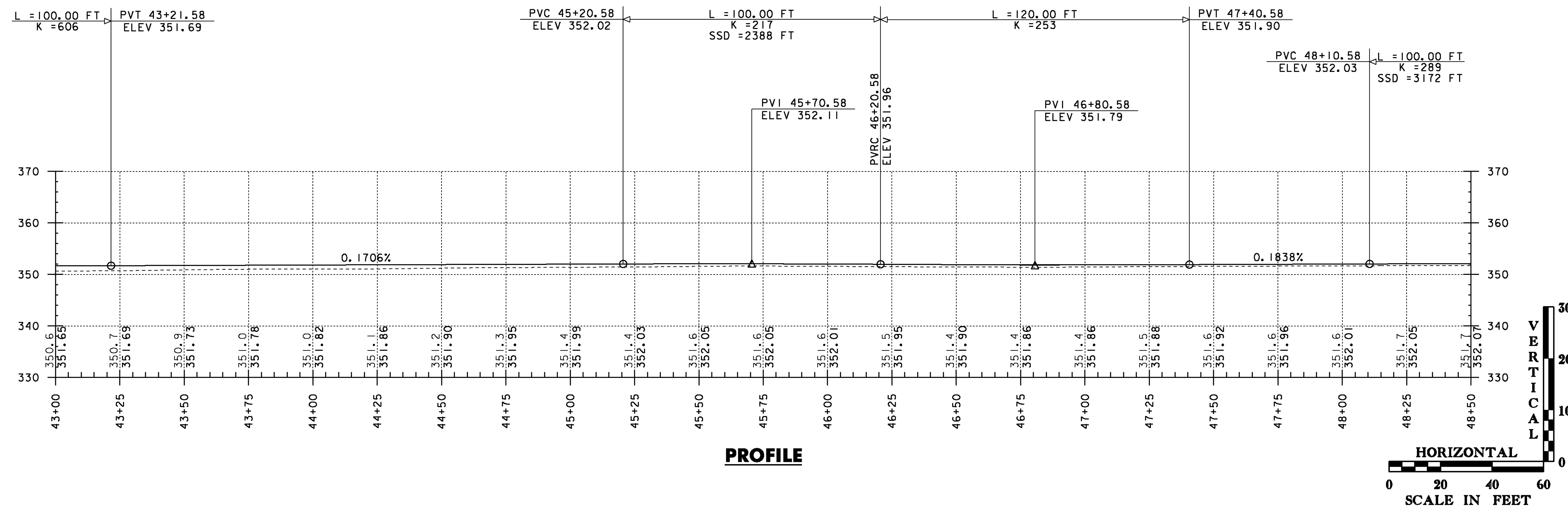
PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 63 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 35	SHEET 64 OF 137

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 65 OF 137



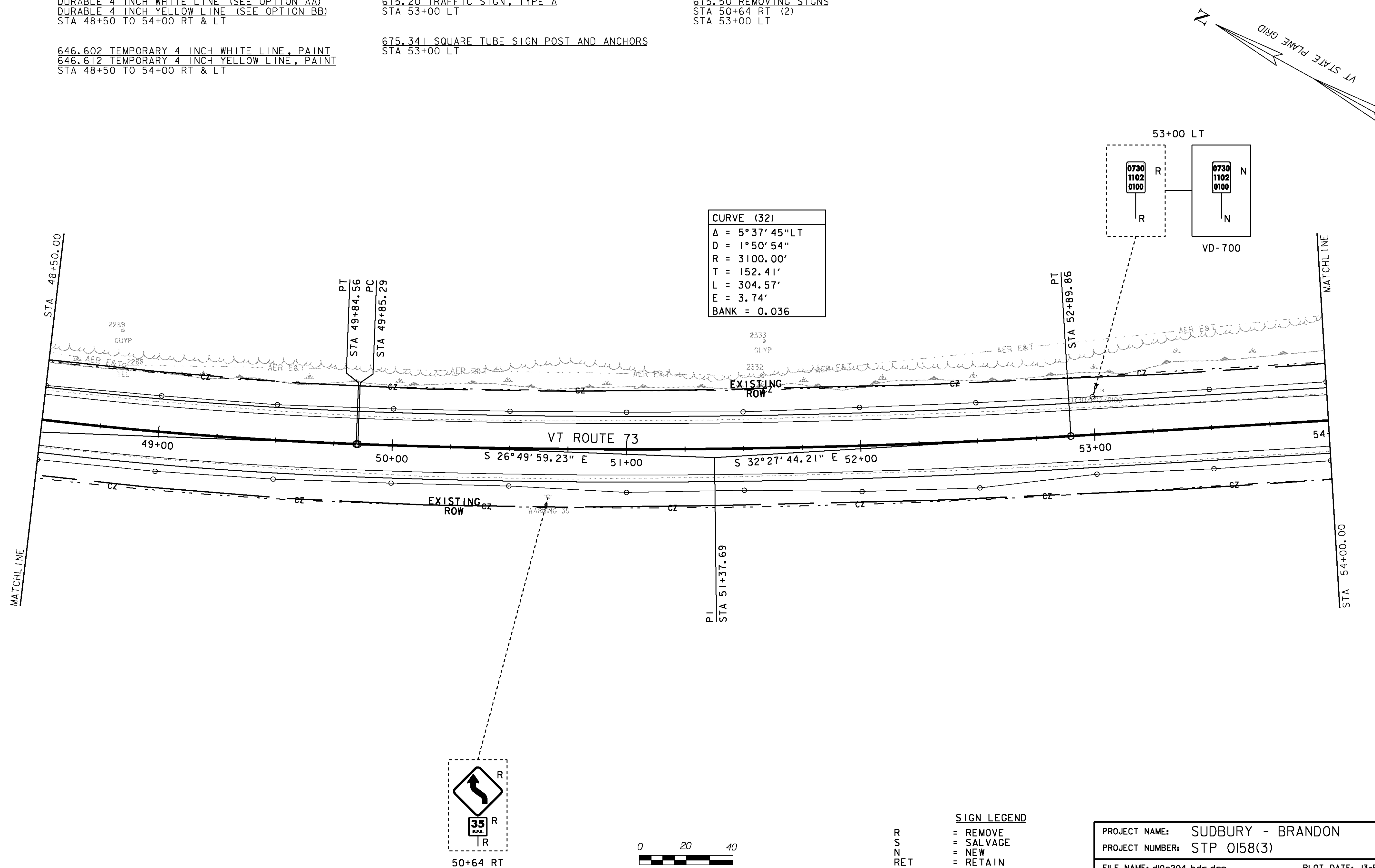
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM	36
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	66 OF 137

675.50 REMOVING SIGNS
STA 50+64 RT (2)
STA 53+00 LT

675.341 SQUARE TUBE SIGN POST AND ANCHORS
STA 53+00 LT

CURVE (32)
$\Delta = 5^{\circ} 37' 45'' \text{LT}$
$D = 1^{\circ} 50' 54''$
$R = 3100.00'$
$T = 152.41'$
$L = 304.57'$
$E = 3.74'$
$\text{BANK} = 0.036$

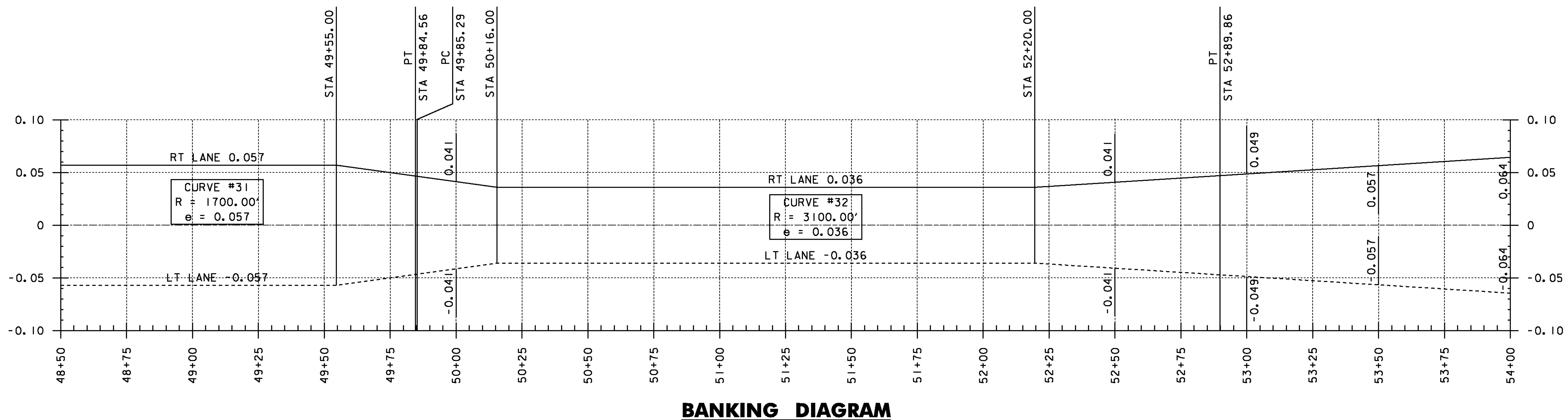
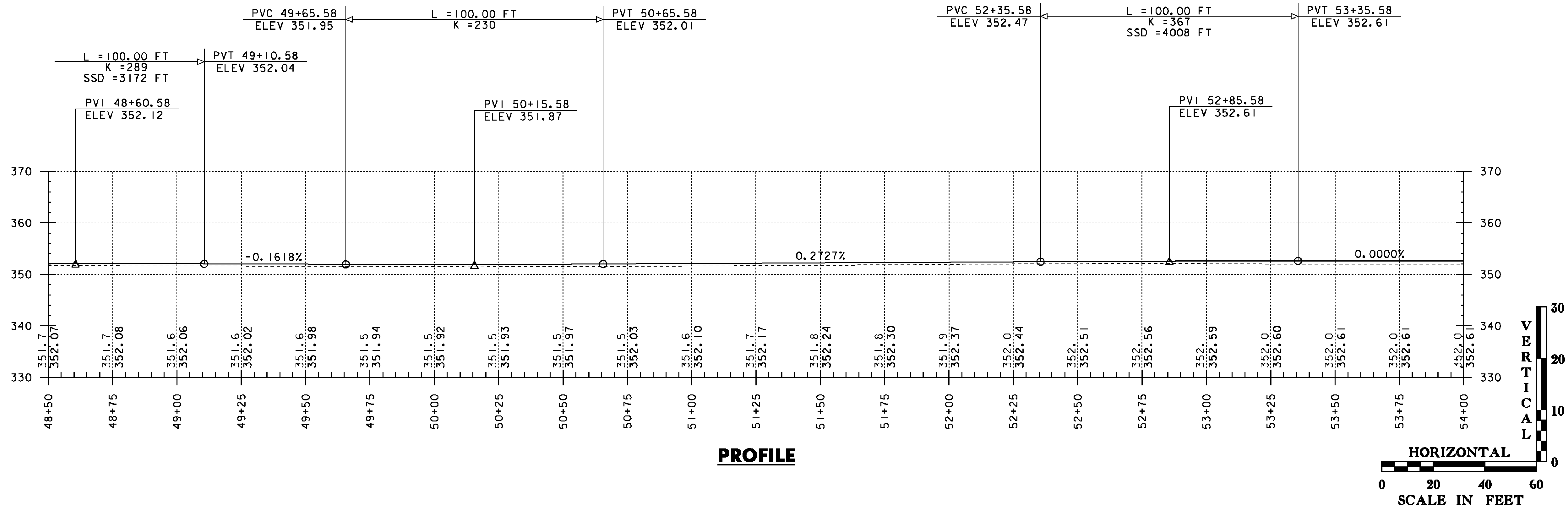


```

R      = REMOVE
S      = SALVAGE
N      = NEW
RET    = RETAIN
T&T    = THINNING & TRIMMING
B-B    = BACK TO BACK
EXISTING -----
NEW

```

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 67 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM	37
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	68 OF 137

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 59+41 TO 59+50 RT

621.51 MANUFACTURED TERMINAL SECTION, TANGENT
STA 58+91 TO 59+41 RT

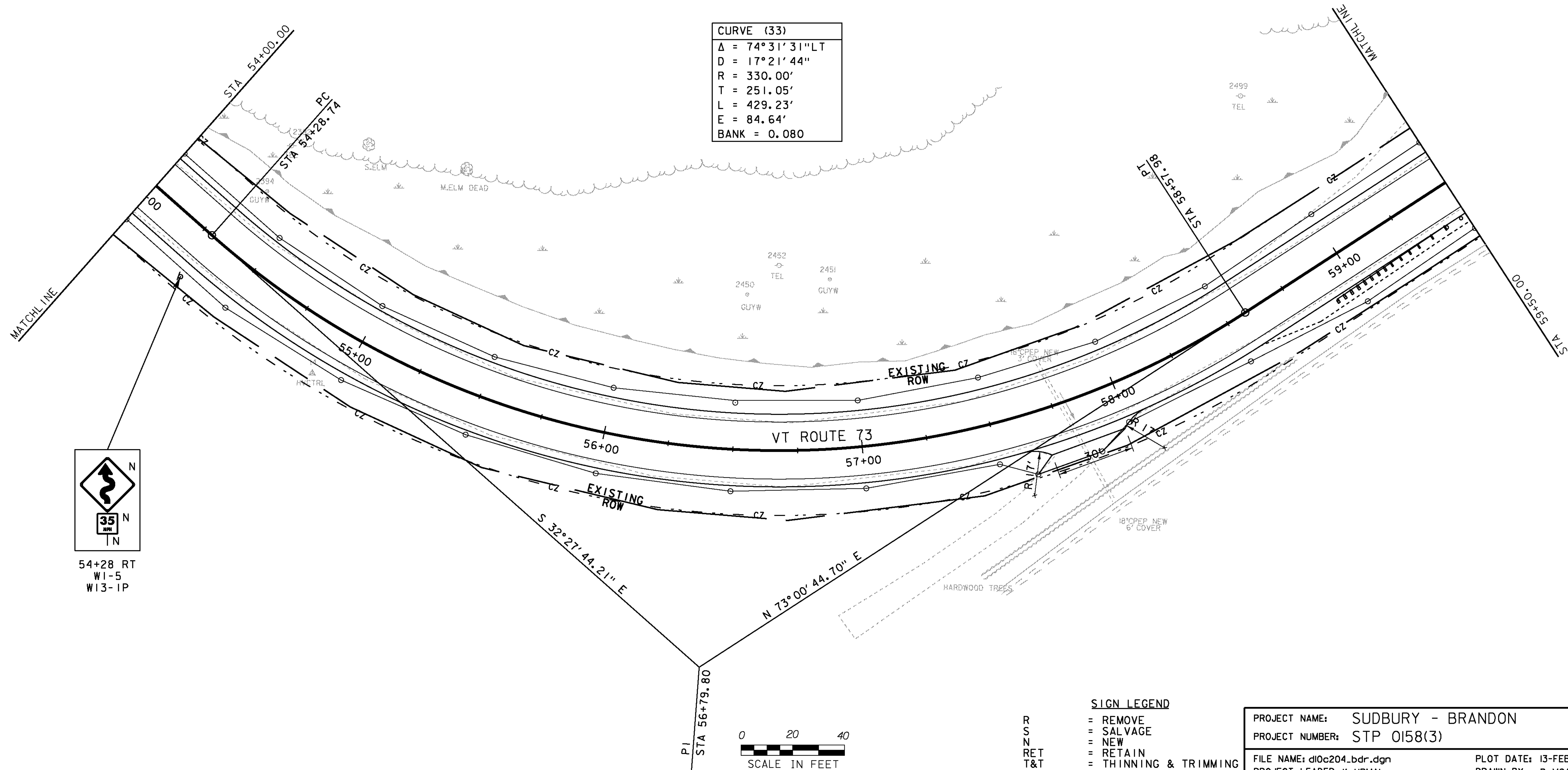
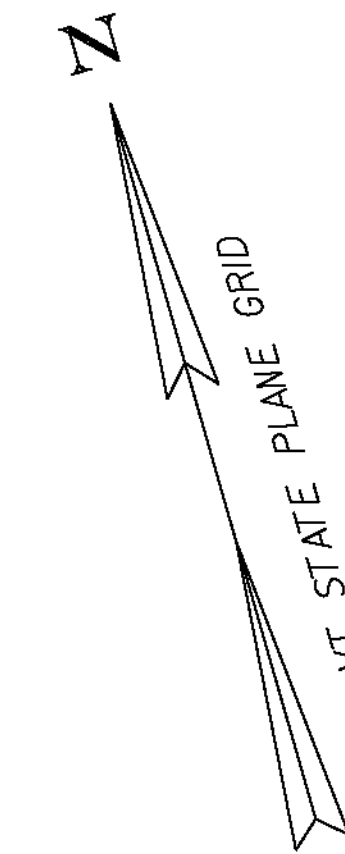
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 54+00 TO 59+50 RT & LT

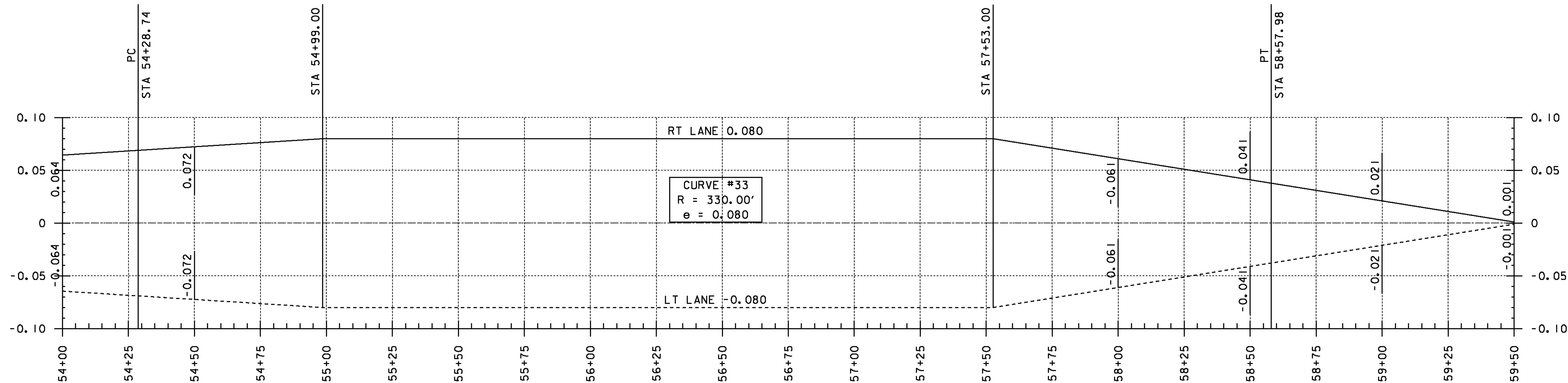
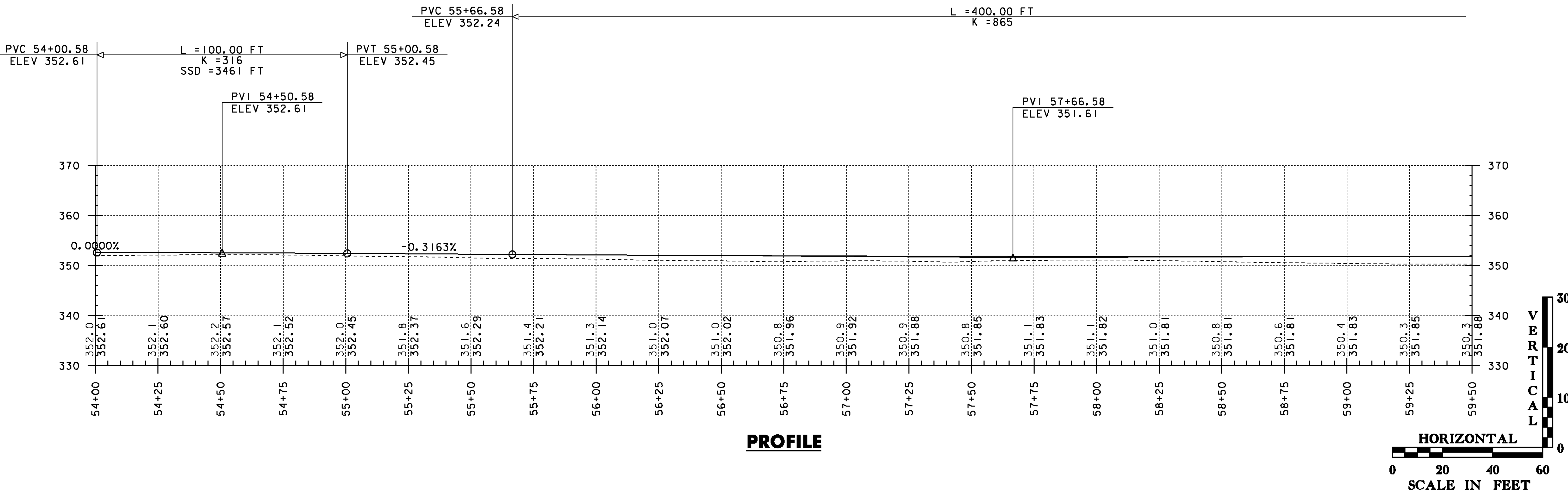
646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 54+00 TO 59+50 RT & LT

675.20 TRAFFIC SIGN, TYPE A
STA 54+28 RT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 54+28 RT

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 57+84 RT





THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 38	SHEET 70 OF 137

621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 59+50 TO 65+00 RT

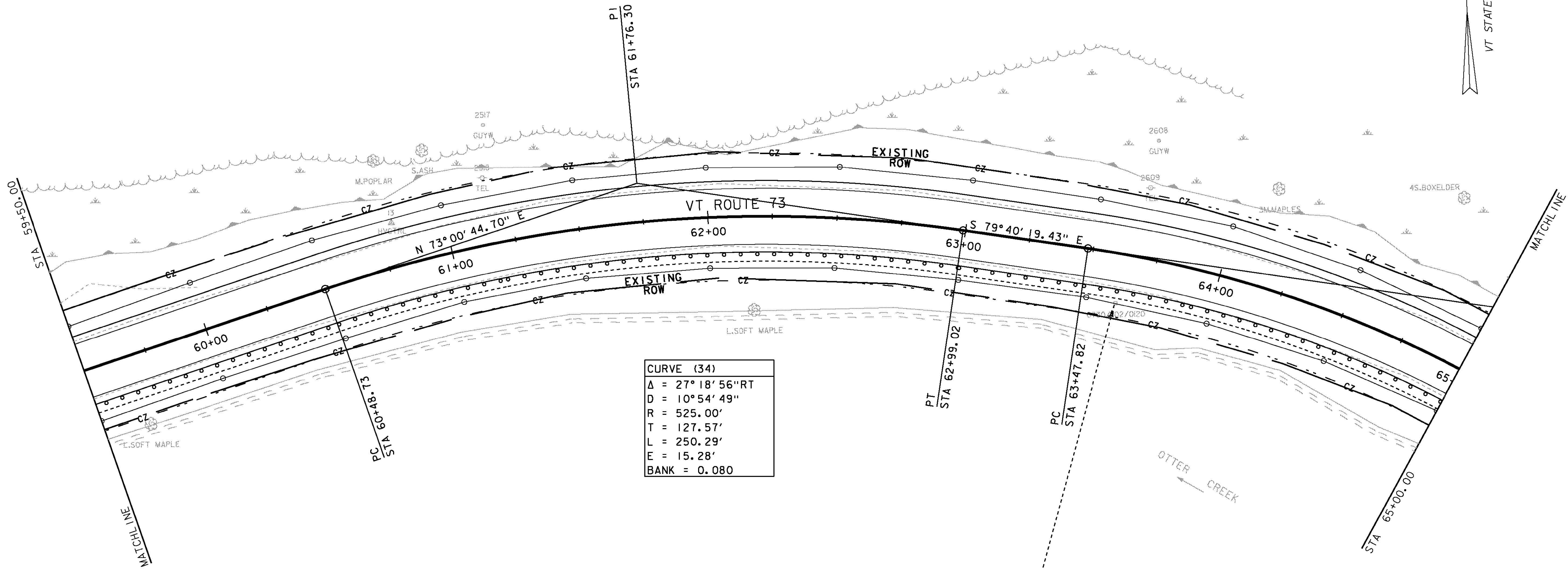
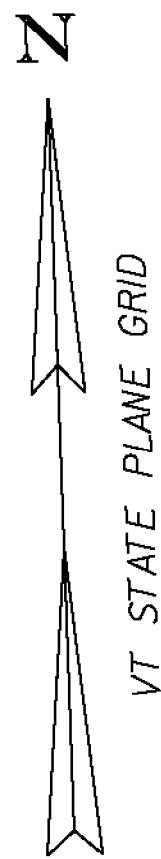
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 59+50 TO 65+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 59+50 TO 65+00 RT & LT

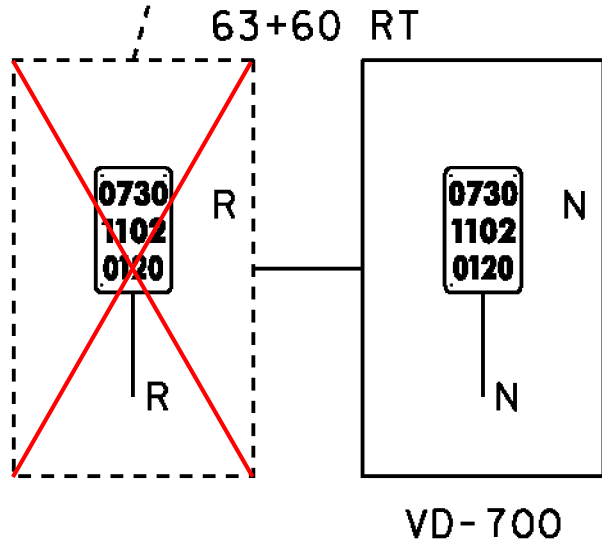
675.20 TRAFFIC SIGN, TYPE A
STA 63+60 RT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 63+60 RT

~~675.50 REMOVING SIGNS~~
~~STA 63+60 RT~~



CURVE (34)	
Δ	= 27°18'56"RT
D	= 10°54'49"
R	= 525.00'
T	= 127.57'
L	= 250.29'
E	= 15.28'
BANK	= 0.080

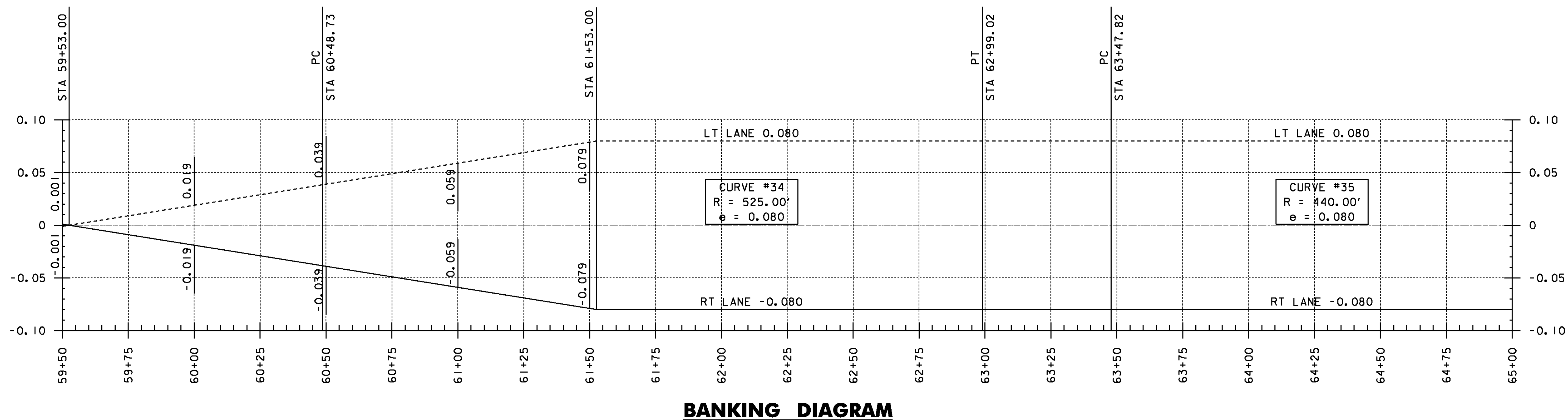
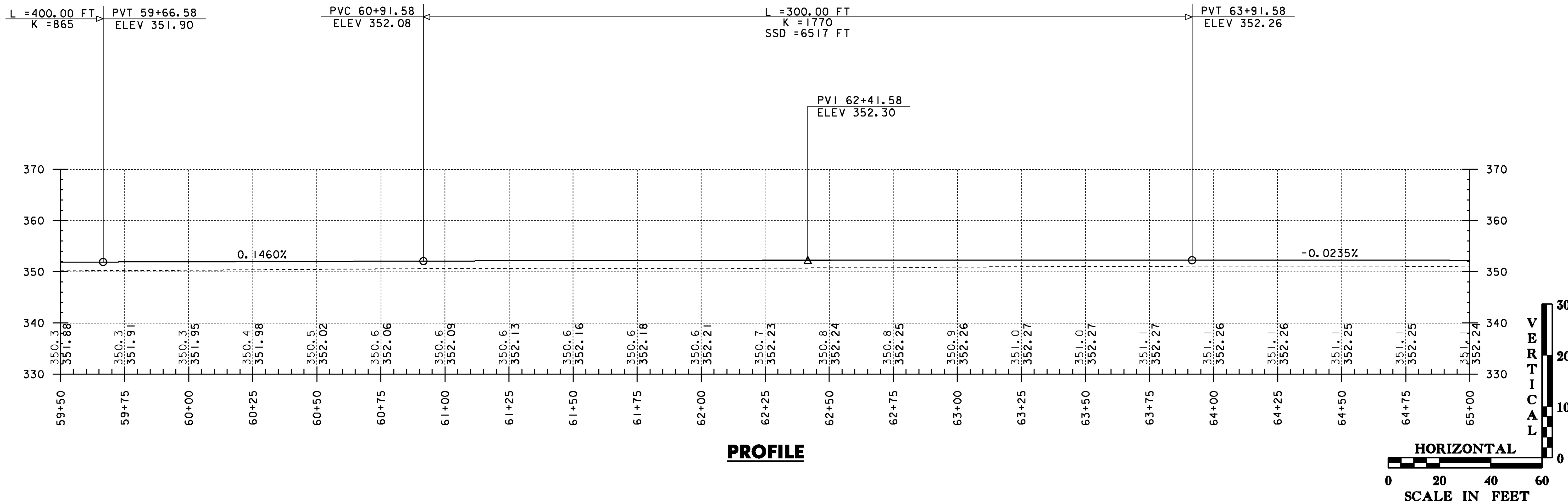


SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 39

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 71 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 39	SHEET 72 OF 137

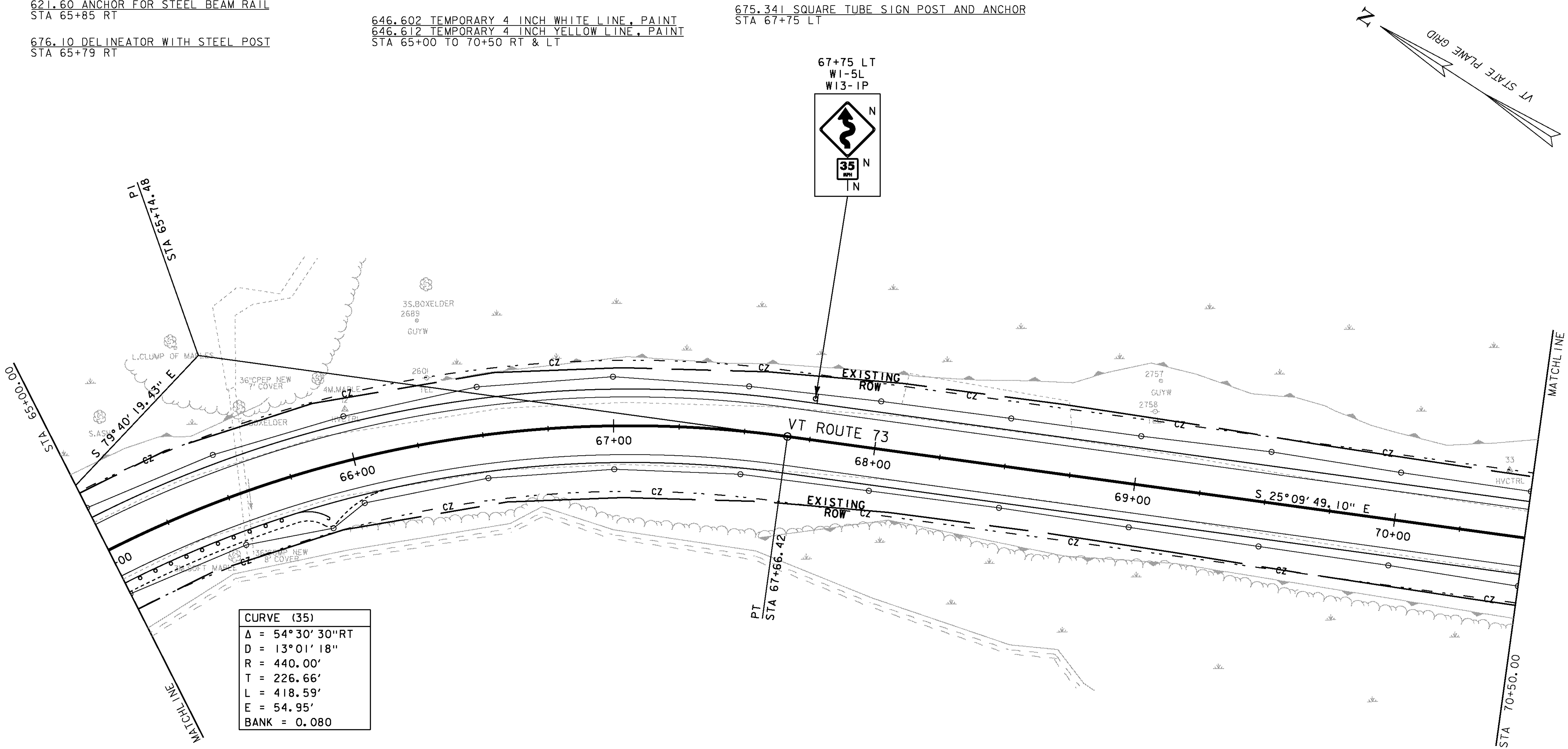
- 621.20 STEEL BEAM GUARDRAIL, GALVANIZED
STA 65+00 TO 65+85 RT

621.60 ANCHOR FOR STEEL BEAM RAIL
STA 65+85 RT

676.10 DELINEATOR WITH STEEL POST
STA 65+79 RT
- DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 65+00 TO 70+50 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 65+00 TO 70+50 RT & LT
- 675.20 TRAFFIC SIGN, TYPE A
STA 67+75 LT (2)

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 67+75 LT

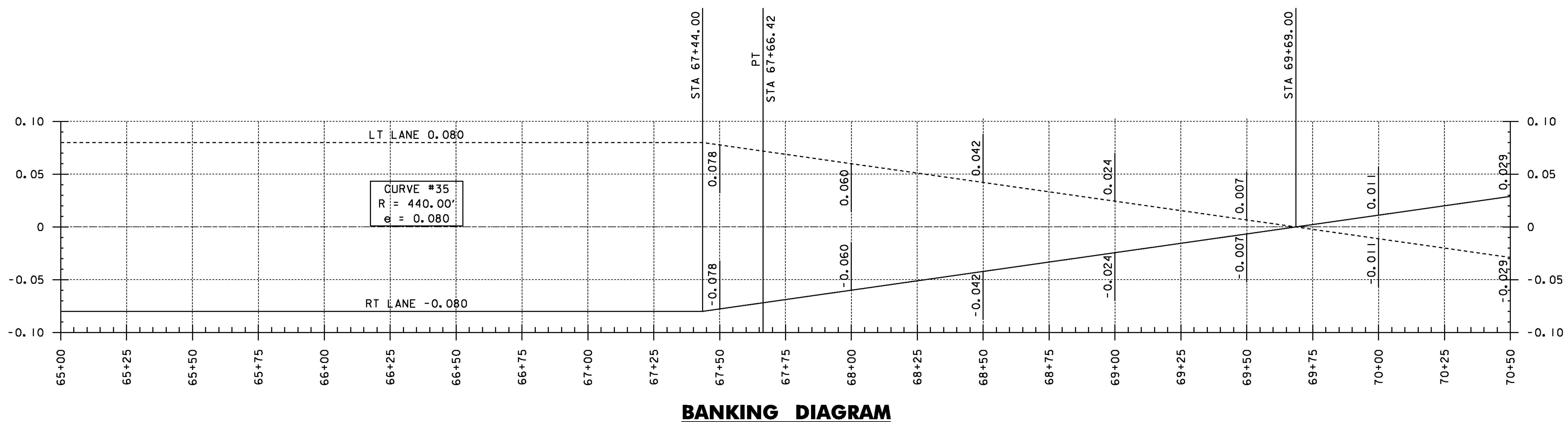
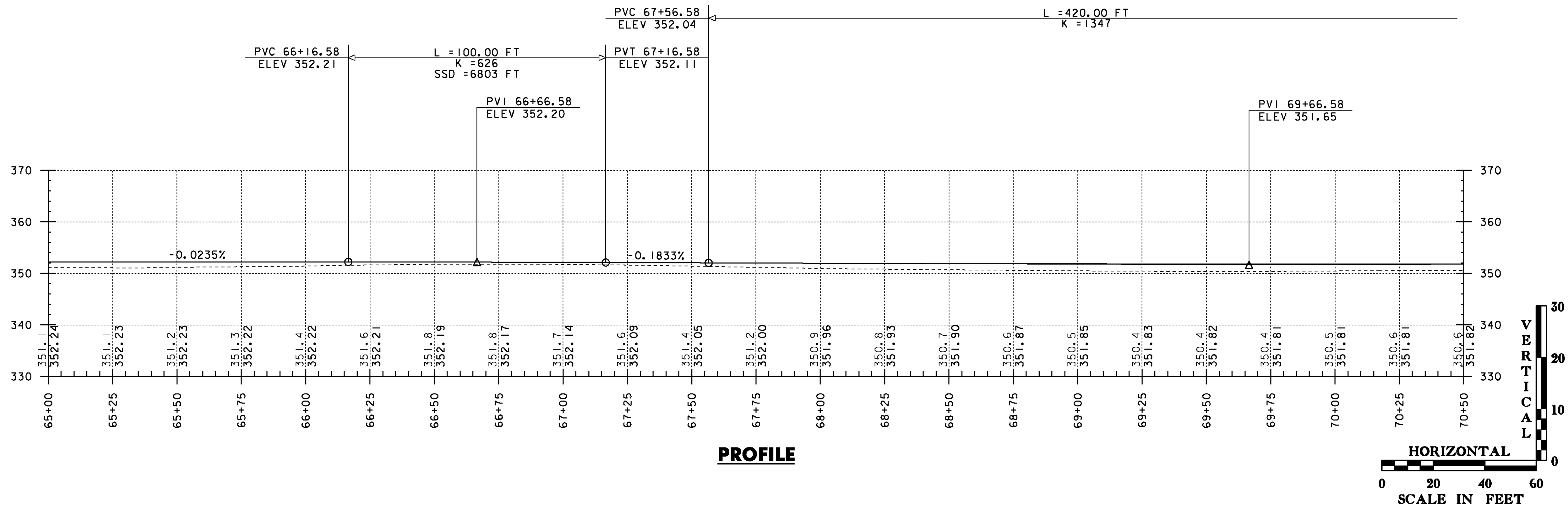


CURVE (35)	
Δ	= 54°30'30"RT
D	= 13°01'18"
R	= 440.00'
T	= 226.66'
L	= 418.59'
E	= 54.95'
BANK	= 0.080



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 40	SHEET 73 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 40	SHEET 74 OF 137

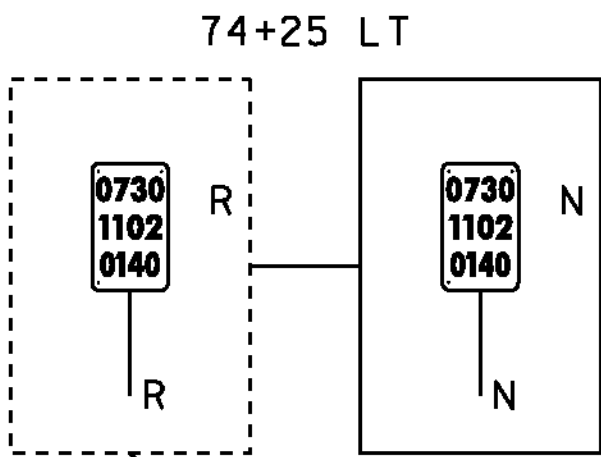
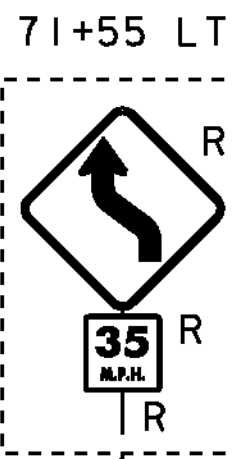
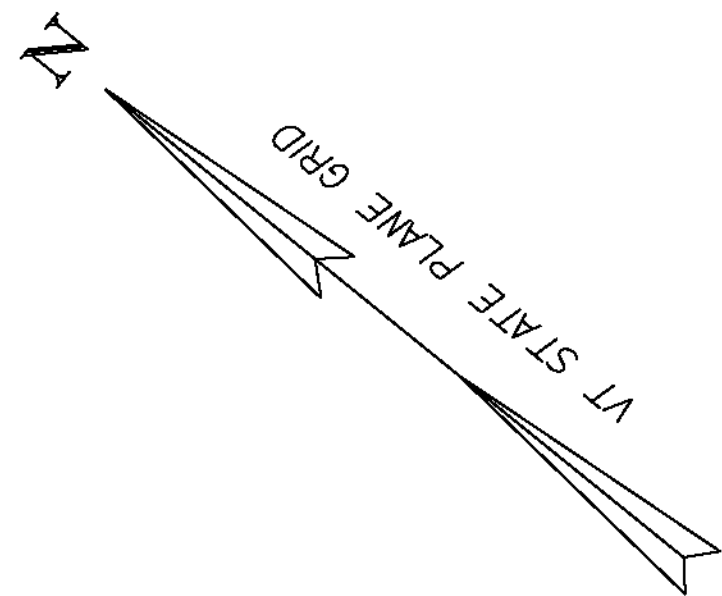
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 70+50 TO 76+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 70+50 TO 76+00 RT & LT

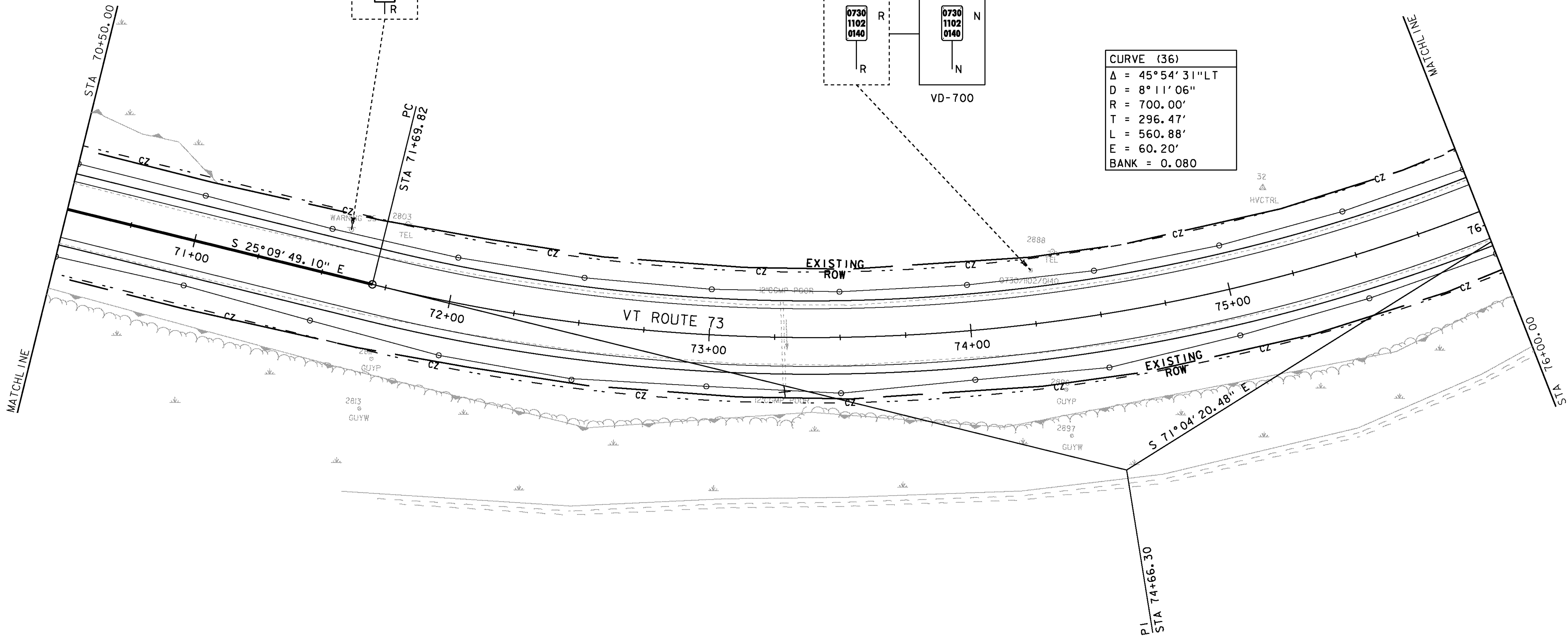
675.20 TRAFFIC SIGN, TYPE A
STA 74+25 LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 74+25 LT

675.50 REMOVING SIGNS
STA 71+55 LT (2)
STA 74+25 LT



CURVE (36)
$\Delta = 45^{\circ}54'31''$ LT
$D = 8^{\circ}11'06''$
$R = 700.00'$
$T = 296.47'$
$L = 560.88'$
$E = 60.20'$
$BANK = 0.080$

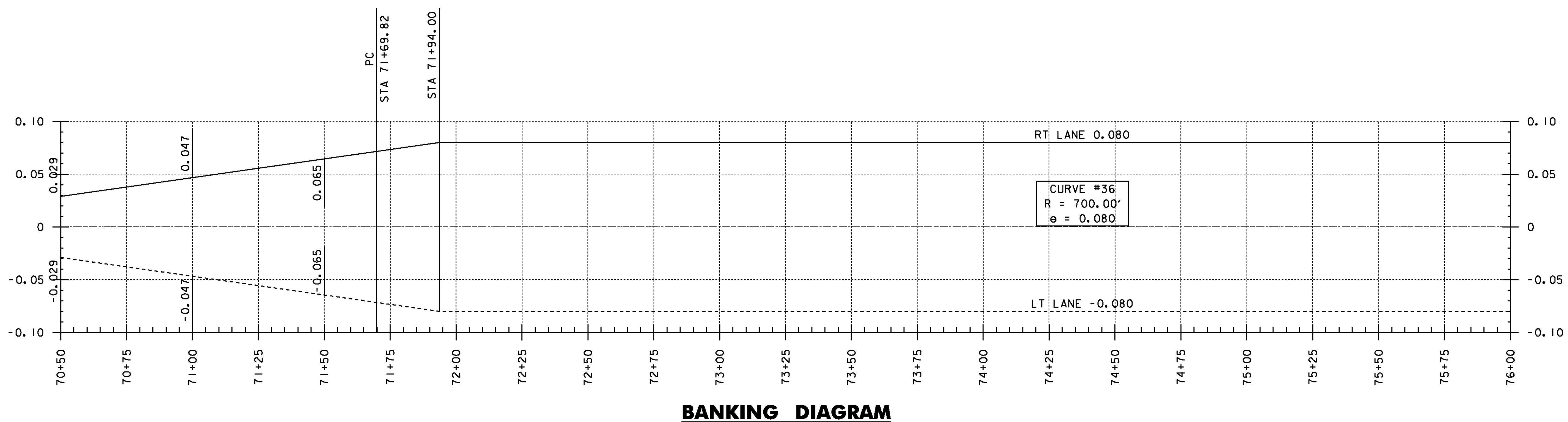
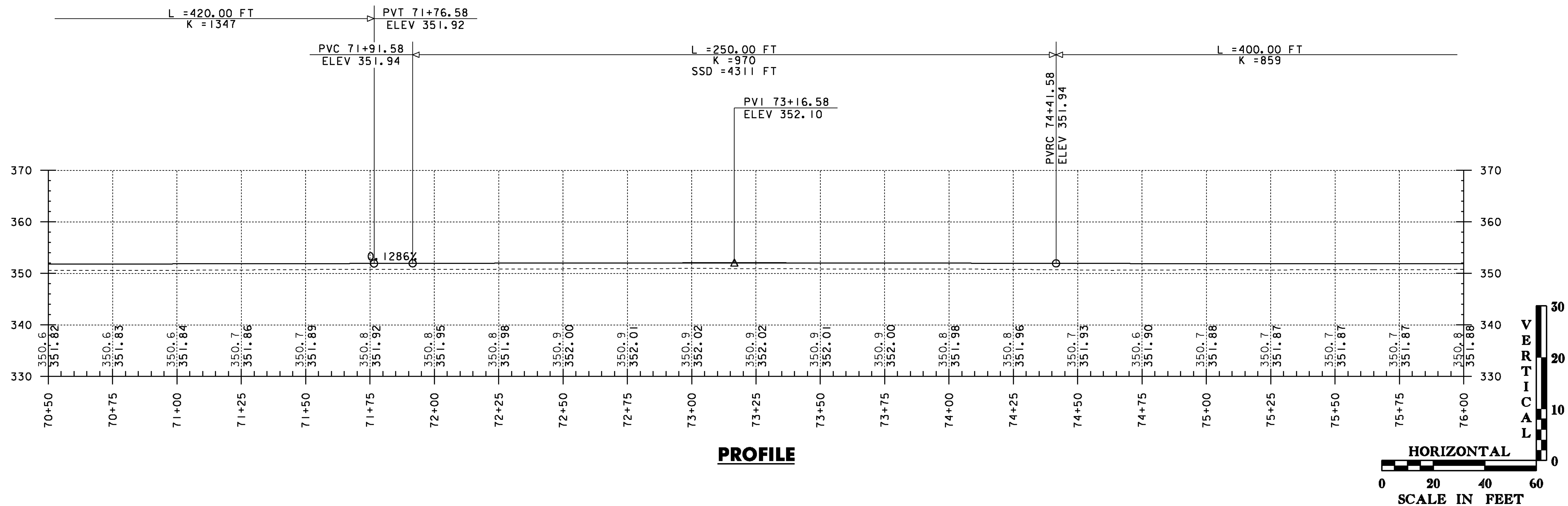


<u>SIGN LEGEND</u>	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 4I

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 75 OF 137

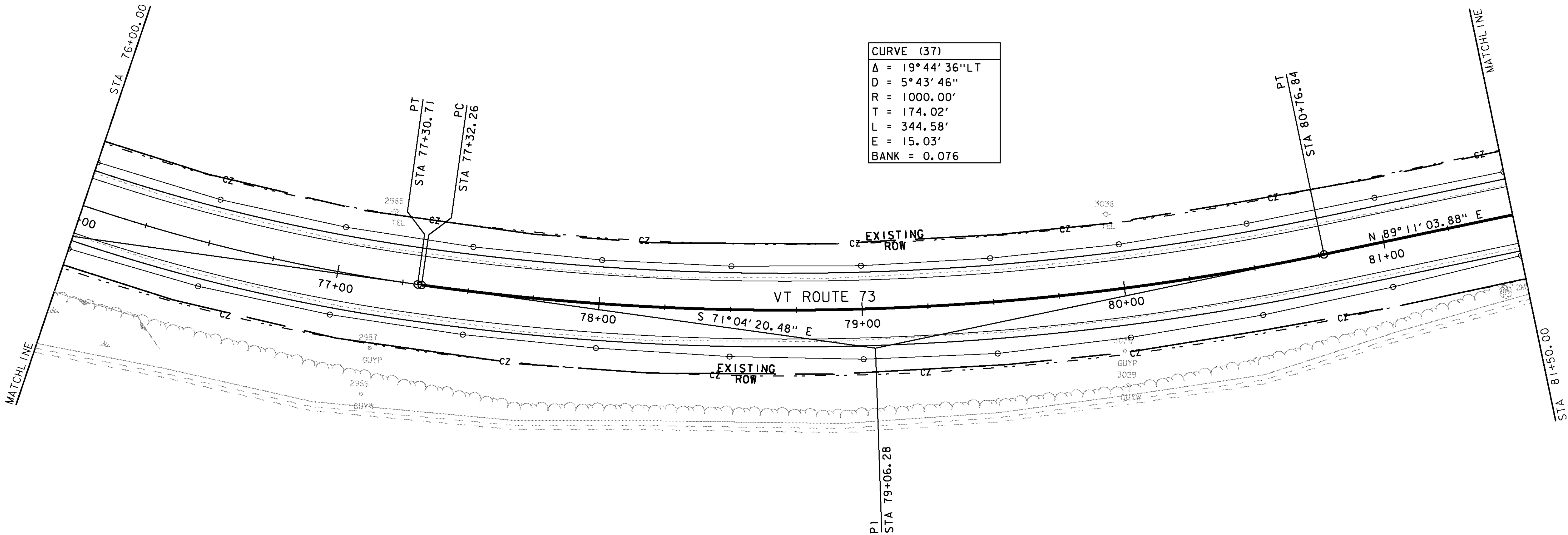
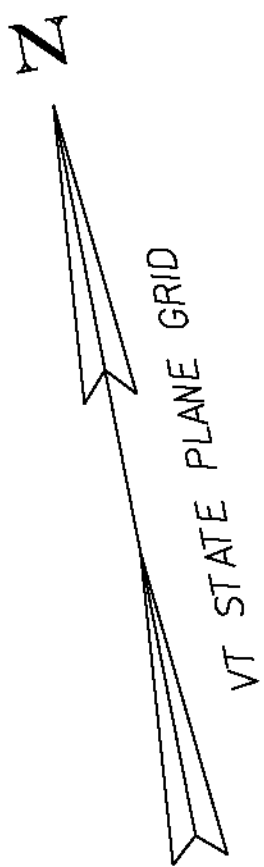


THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM 4I	
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	76 OF 137

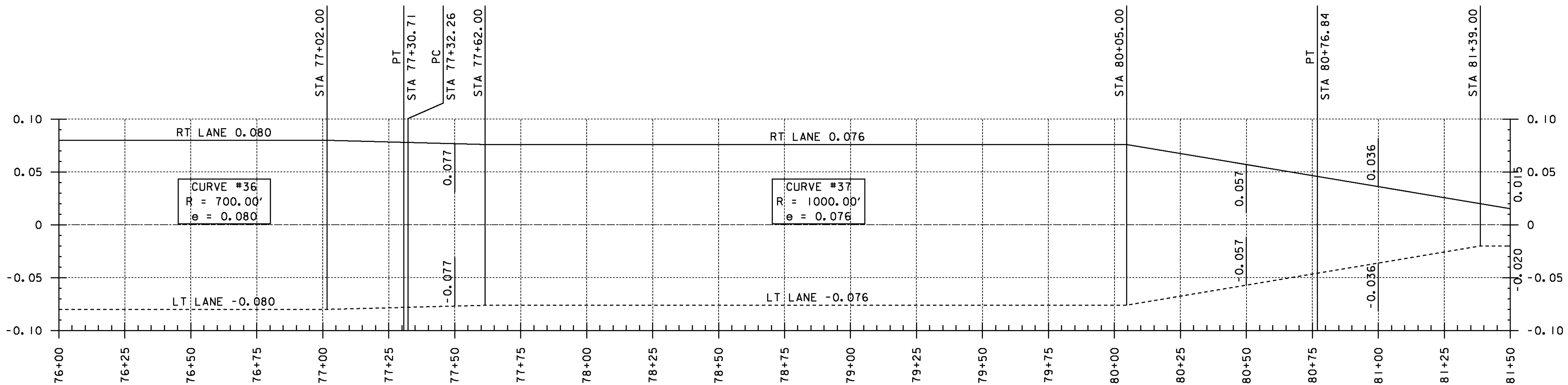
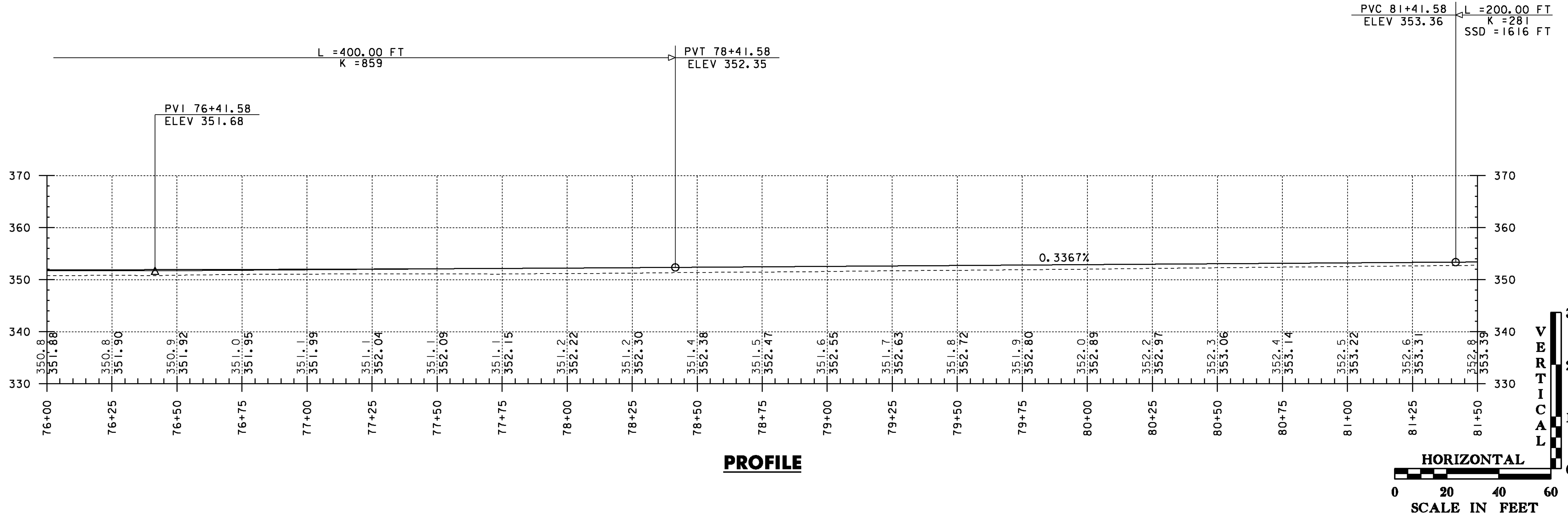
DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 76+00 TO 81+50 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 76+00 TO 81+50 RT & LT



SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_bdr.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: A. KEMPTON
LAYOUT 42	SHEET 77 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME:	d10c204.pro.dgn
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	B. MCADAMS
VT 73 PROFILE & BANKING DIAGRAM 42	
PLOT DATE:	13-FEB-2013
DRAWN BY:	B. MCADAMS
CHECKED BY:	N. PAPPAS
SHEET	78 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 81+50 TO 87+00 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 81+50 TO 87+00 RT & LT

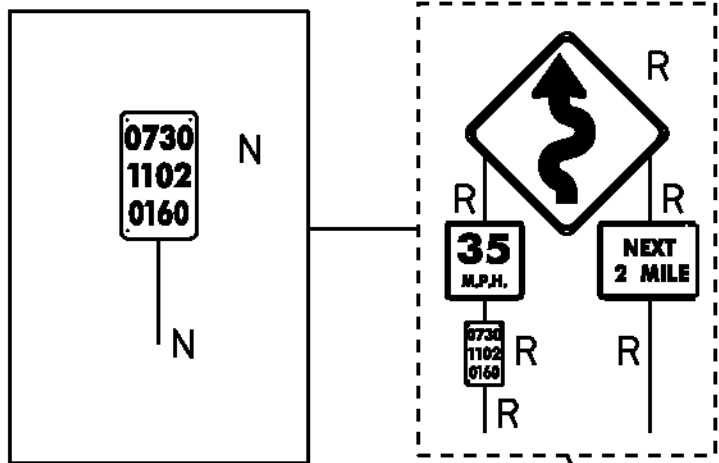
675.20 TRAFFIC SIGN, TYPE A
STA 84+75 LT

675.341 SQUARE TUBE SIGN POST AND ANCHOR
STA 84+75 LT

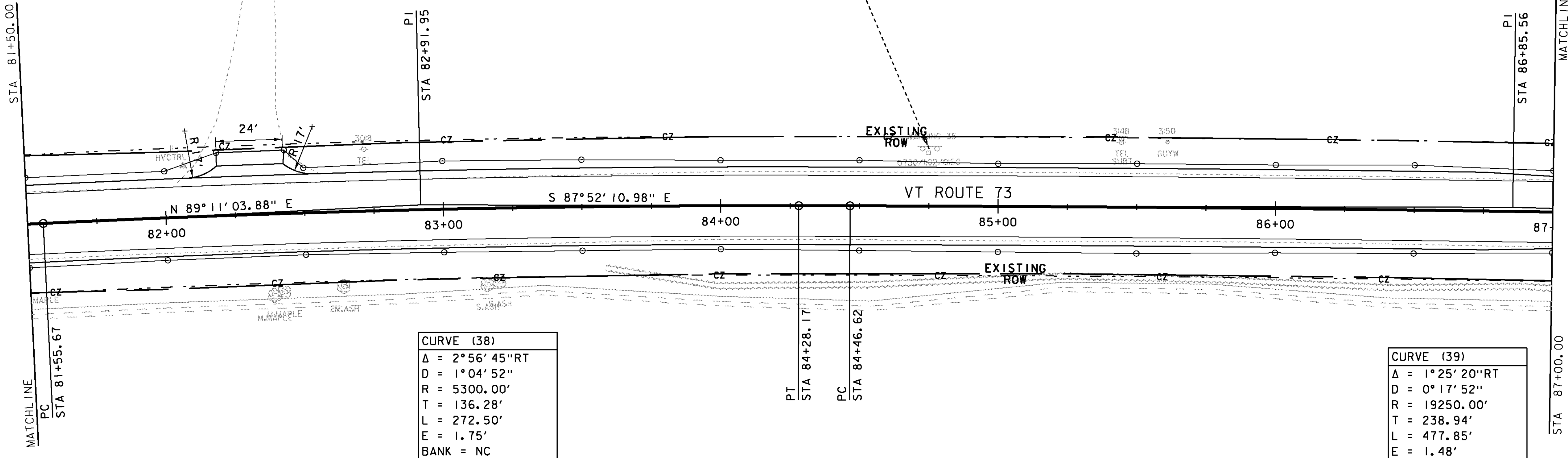
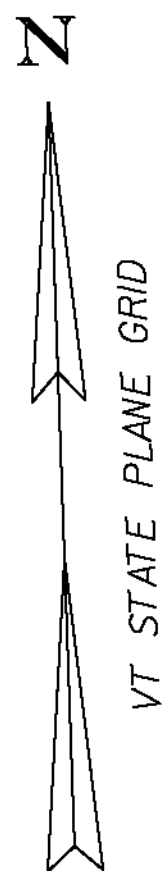
675.50 REMOVING SIGNS
STA 84+75 LT (4)

900.675 SPECIAL PROVISION
(HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES)
STA 82+31 LT

84+75 LT



VD-700



CURVE (38)	
Δ	= 2°56'45"RT
D	= 1°04'52"
R	= 5300.00'
T	= 136.28'
L	= 272.50'
E	= 1.75'
BANK	= NC

CURVE (39)	
Δ	= 1°25'20"RT
D	= 0°17'52"
R	= 19250.00'
T	= 238.94'
L	= 477.85'
E	= 1.48'
BANK	= NC

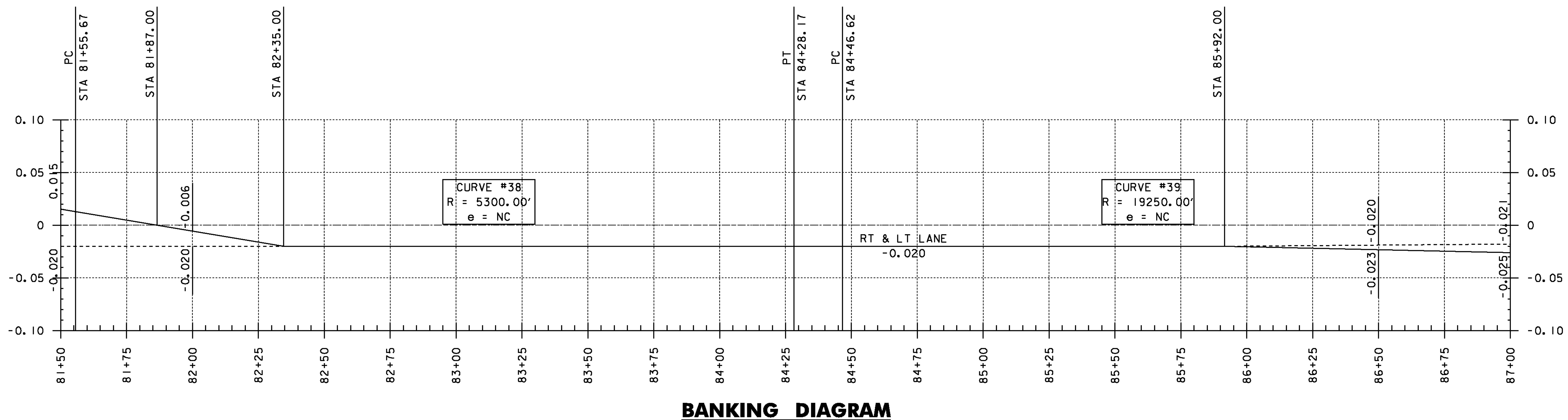
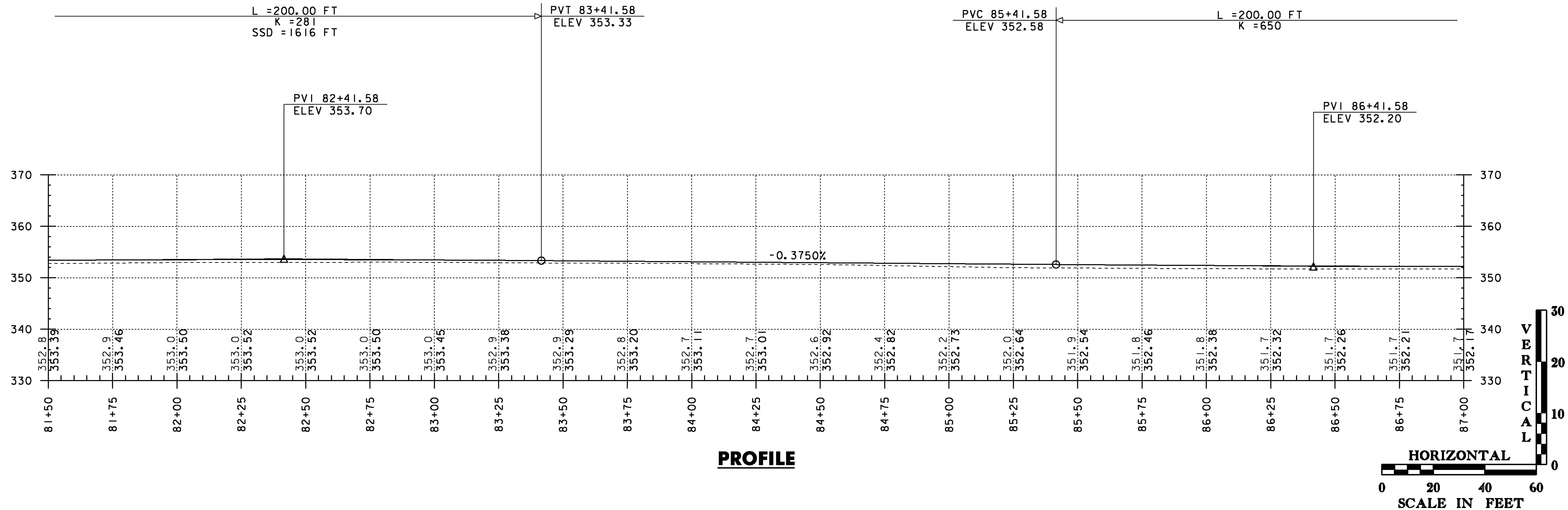
SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
T&T = THINNING & TRIMMING
B-B = BACK TO BACK
EXISTING = DASHED LINE
NEW = SOLID LINE

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204.bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 43

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 79 OF 137

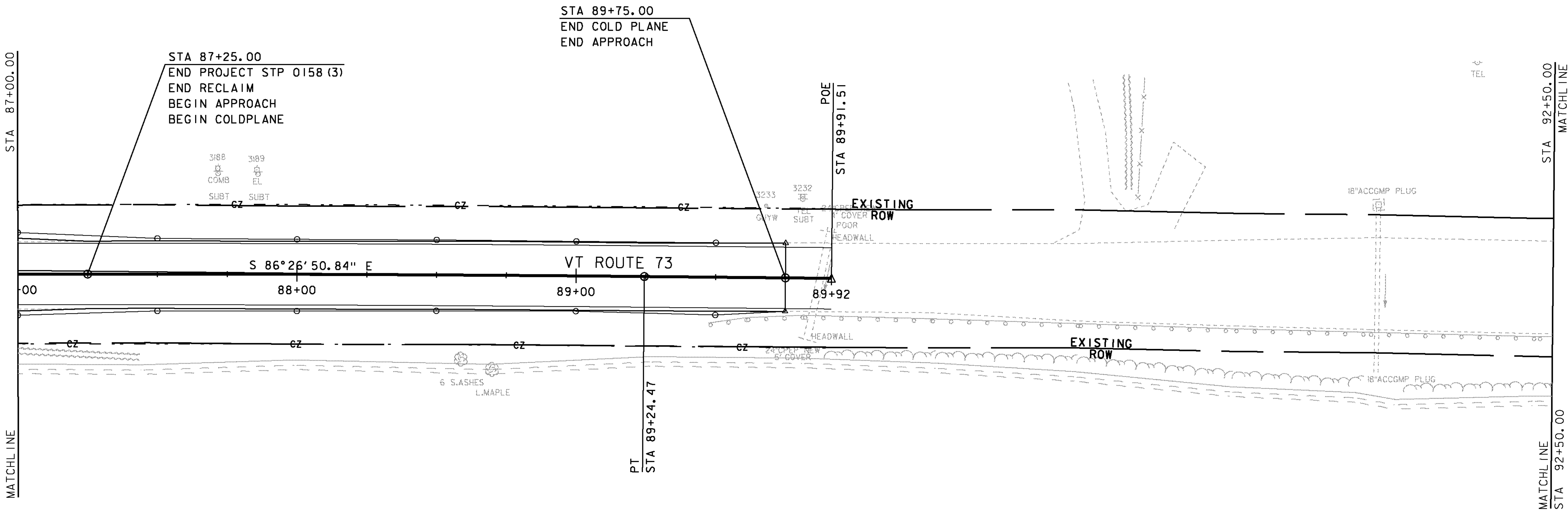
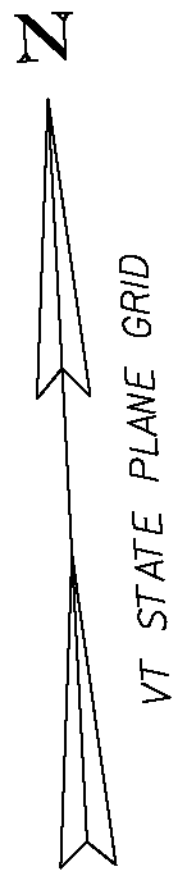


THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME:	SUDBURY - BRANDON
PROJECT NUMBER:	STP 0158(3)
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 43	SHEET 80 OF 137

DURABLE 4 INCH WHITE LINE (SEE OPTION AA)
DURABLE 4 INCH YELLOW LINE (SEE OPTION BB)
STA 87+00 TO 89+92 RT & LT

646.602 TEMPORARY 4 INCH WHITE LINE, PAINT
646.612 TEMPORARY 4 INCH YELLOW LINE, PAINT
STA 87+00 TO 89+92 RT & LT



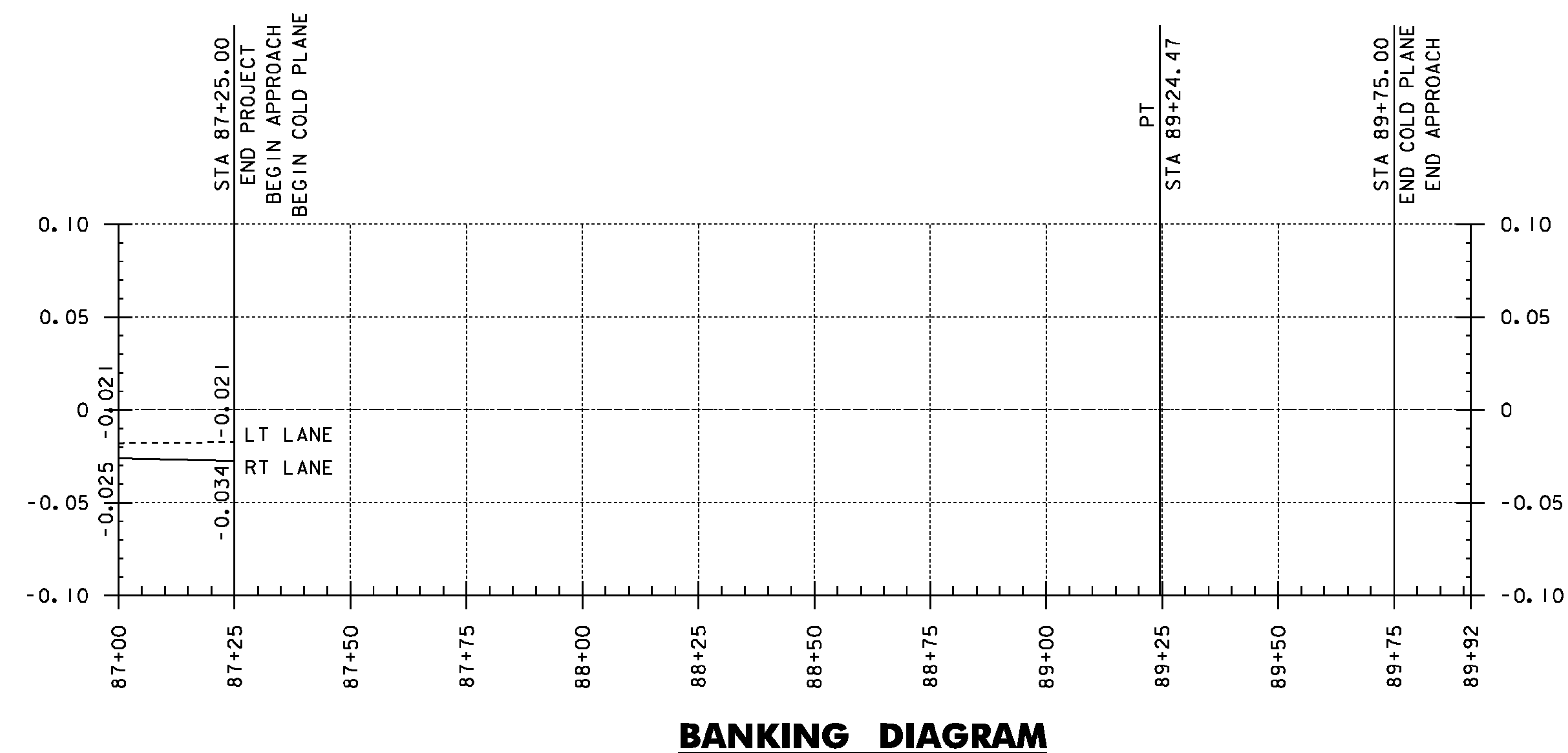
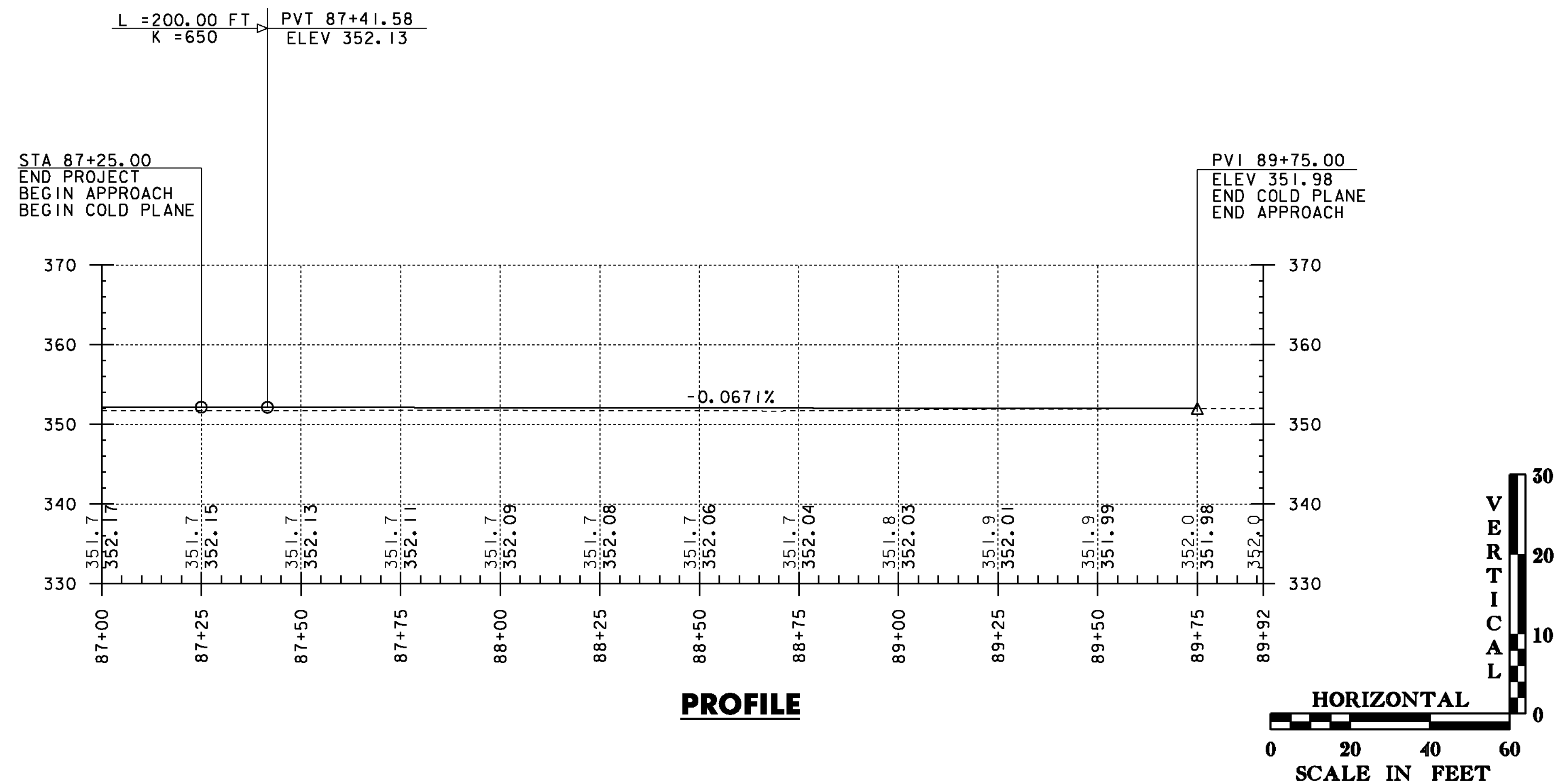
0 20 40
SCALE IN FEET

SIGN LEGEND	
R	= REMOVE
S	= SALVAGE
N	= NEW
RET	= RETAIN
T&T	= THINNING & TRIMMING
B-B	= BACK TO BACK
EXISTING	-----
NEW	_____

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_bdr.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
LAYOUT 44

PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: A. KEMPTON
SHEET 81 OF 137



THE GRADES SHOWN TO THE NEAREST TENTH ARE THE ORIGINAL GROUND ELEVATIONS ALONG THE PROPOSED ALIGNMENT. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE FINISHED GRADES FOR THE PROPOSED ALIGNMENT.

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204.pro.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: B. MCADAMS
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 PROFILE & BANKING DIAGRAM 44	SHEET 82 OF 137

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TRAFFIC SIGN SUMMARY SHEET 2

[illegible]

TRAFFIC SIGN SUMMARY SHEET 3

PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: B. MCADAMS	CHECKED BY: B. MCADAMS
TRAFFIC SIGN SUMMARY SHEET 3	SHEET 85 OF 137

TRAFFIC SIGN SUMMARY SHEET 4

PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: B. MCADAMS	CHECKED BY: B. MCADAMS
TRAFFIC SIGN SUMMARY SHEET 4	SHEET 86 OF 137

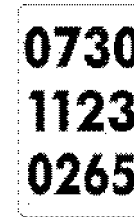
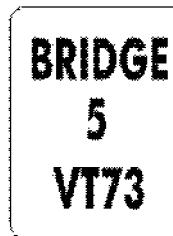
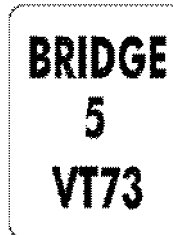
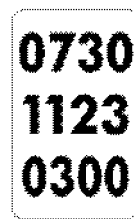
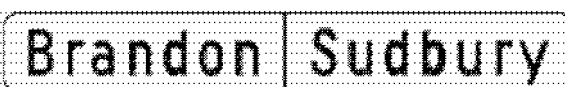
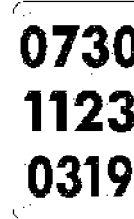
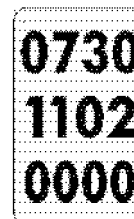
TRAFFIC SIGN SUMMARY SHEET 5

PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: B. MCADAMS	CHECKED BY: B. MCADAMS
TRAFFIC SIGN SUMMARY SHEET 5	SHEET 87 OF 137

TRAFFIC SIGN SUMMARY SHEET 6

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	FLANGED CHANNEL			SQUARE STEEL (in.)			TUBULAR ALUMINUM dia. (in.)			FOUNDATION	TUBULAR STEEL dia. (in.)				W-SHAPE STEEL FTG. SIZE				SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
		EA	WIDTH (in.)	HEIGHT (in.)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE		1.12	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLEEVE	3.0		4.0	4.0 MOD.	3.0	3.5	4.0	5.0	24"	30"			WEIGH T	POST SIZE	"SHSM" STANDARD HIGHWAY SIGNS AND MARKINGS	DETAIL ON SHEET NUMBER	STD. SHEET NUMBER																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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SUDBURY		1	30	30	6.25																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			

TRAFFIC SIGN SUMMARY SHEET 7

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST		NO. OF POSTS	FLANGED CHANNEL				SQUARE STEEL			TUBULAR ALUMINUM			FOUNDATION	TUBULAR STEEL				W-SHAPE STEEL				SIGN FRAME REQUIRED	REMARKS	SIGN DETAIL										
		EA	WIDTH (in.)	HEIGHT (in.)	"A"	"B"	SALV SIGN	SALV TIS	RETAIN	SALVAGE		lb/ft			(in.)			dia. (in.)			dia. (in.)				FTG. SIZE		WEIGH T	POST SIZE	"SHSM" STANDARD HIGHWAY SIGNS AND MARKINGS	DETAIL ON SHEET NUMBER			STD. SHEET NUMBER										
												1.12	2.0	3.0	1.88	2.42	3.35	ANCHOR	SLEEVE	3.0	4.0		4.0 MOD.	3.0	3.5	4.0								5.0	24"	30"							
																																					lb/ft			lb/ft			
																																					1.3			1.7			
OPTION ITEMS																																											
SUDBURY	 	1	30	30	6.25						1																					R1-1	X										
136+36, R.T. 136+40, R.T.		1	6	10	0.42																												VD-700		E-138								
136+42, R.T. 136+46, R.T.		1	54	12	4.50						2																						D3-1 DOUBLE-SIDED		93								
137+80, L.T. 137+66, L.T.	  	1	30	30	6.25						2																							W1-5L	X								
		1	18	18	2.25																													W13-1P	X								
		1	24	18	3.00																													W7-3aP	X								
144+41, R.T. 143+87, L.T.		1	6	8	0.33						1																							VD-701		E-134							
147+06, L.T. 146+38, L.T.		1	6	8	0.33						1																							VD-701		E-134							
158+72, R.T.		1	6	10	0.42						1																							VD-700		E-138							
BRANDON		1	72	10	5.00						2																							VD-024		93							
00+00, R.T.		1	6	10	0.42																														VD-700		E-138						
		1	6	10	0.42																														VD-700		E-138						
155+46, R.T.		1	24	30	5.0						1																																
																					</																						

TRAFFIC SIGN SUMMARY SHEET 8

PROJECT NAME: SUDBURY-BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_frm.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: B. MCADAMS	CHECKED BY: B. MCADAMS
TRAFFIC SIGN SUMMARY SHEET 8	SHEET 90 OF 137

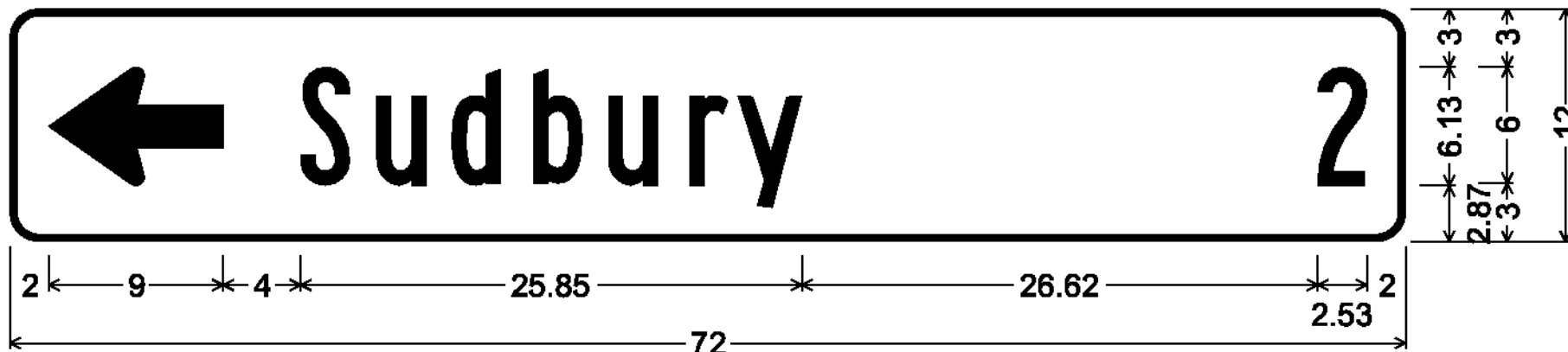
**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

TRAFFIC SIGN SUMMARY SHEET 9

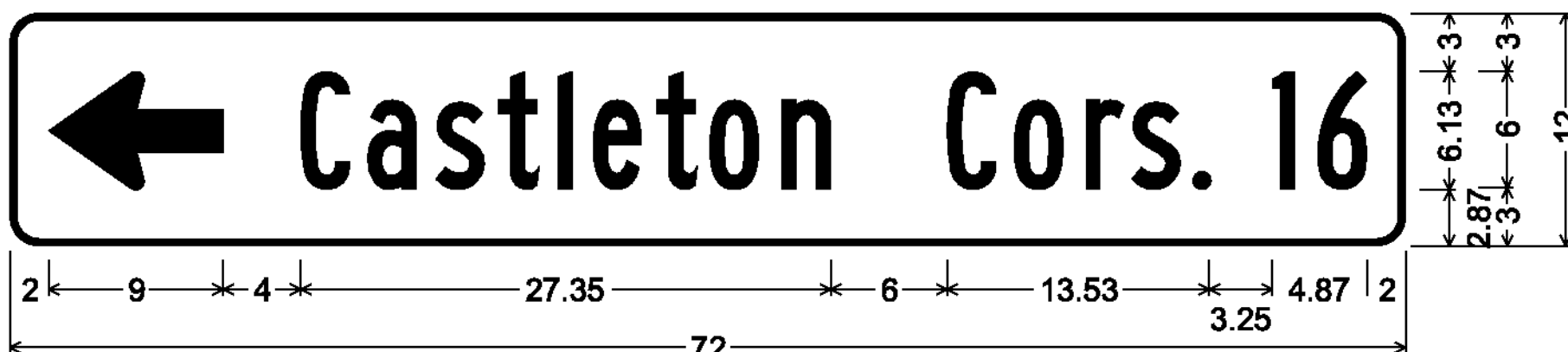
[illegible]

SIGN DETAILS 1

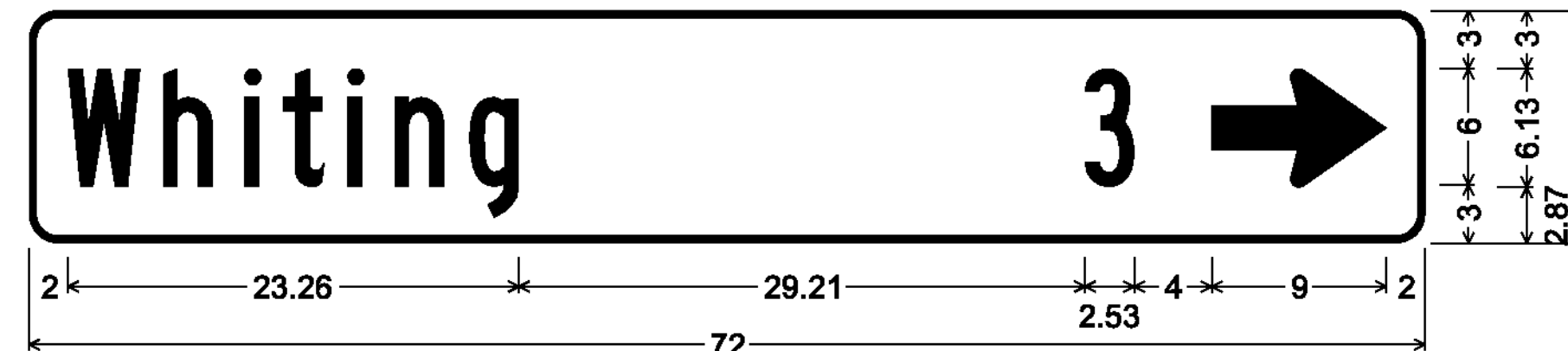
VD1-1A



1.50" Radius, 0.38" Border, White on Green;
Standard Arrow Custom 9.00" X 6.13" 180°; [Sudbury] B; [2] B;



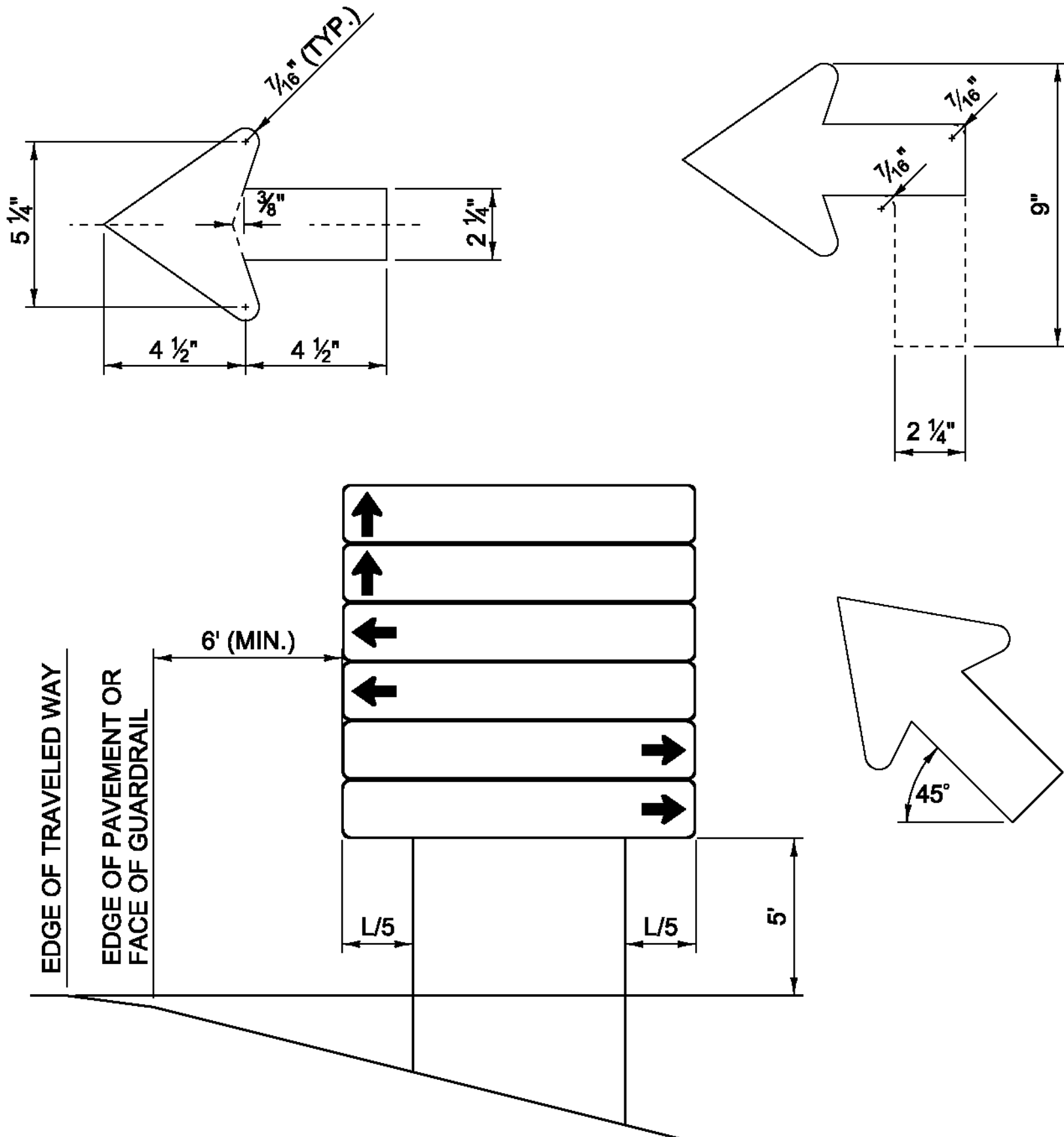
Standard Arrow Custom 9.00" X 6.13" 180°; [Castleton Cors.] B 80% spacing; [16] B,



1.50" Radius, 0.38" Border, White on Green;
[Whiting] B; [3] B; Standard Arrow Custom 9.00" X 6.13" 0°



1.50" Radius, 0.38" Border, White on Green;
[Middlebury] B; [14] B; Standard Arrow Custom 9.00" X 6.13" 0°

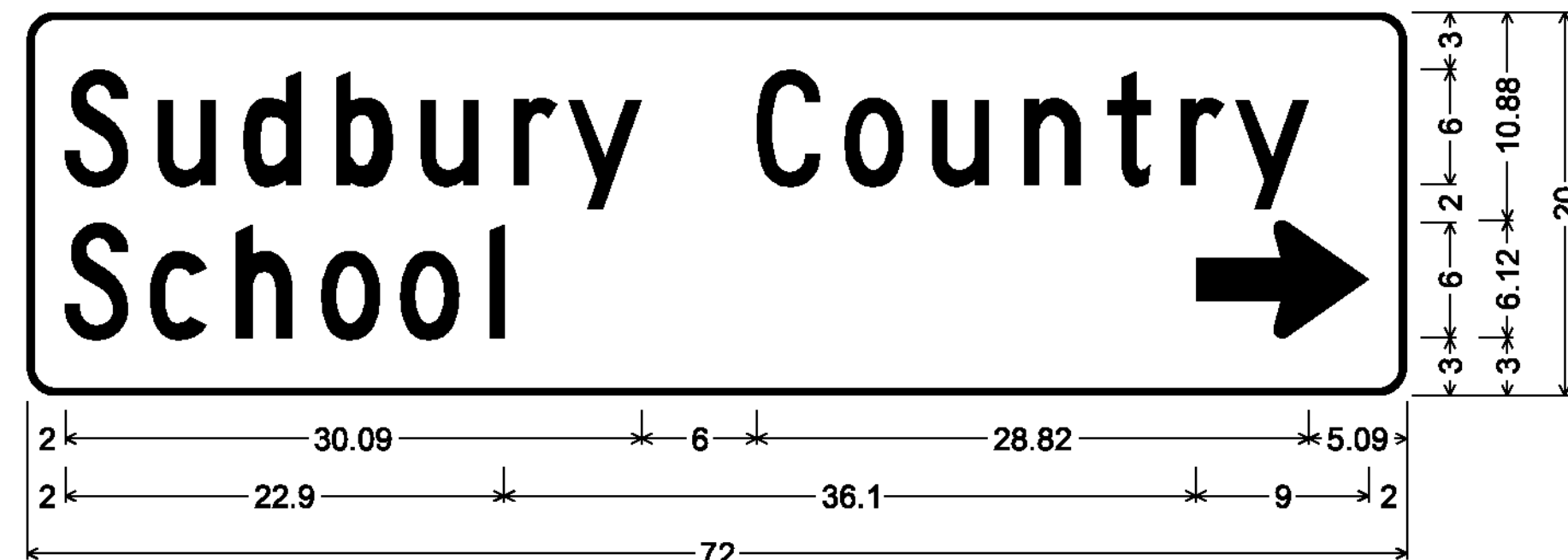


D-BOARD INSTALLATION DETAIL

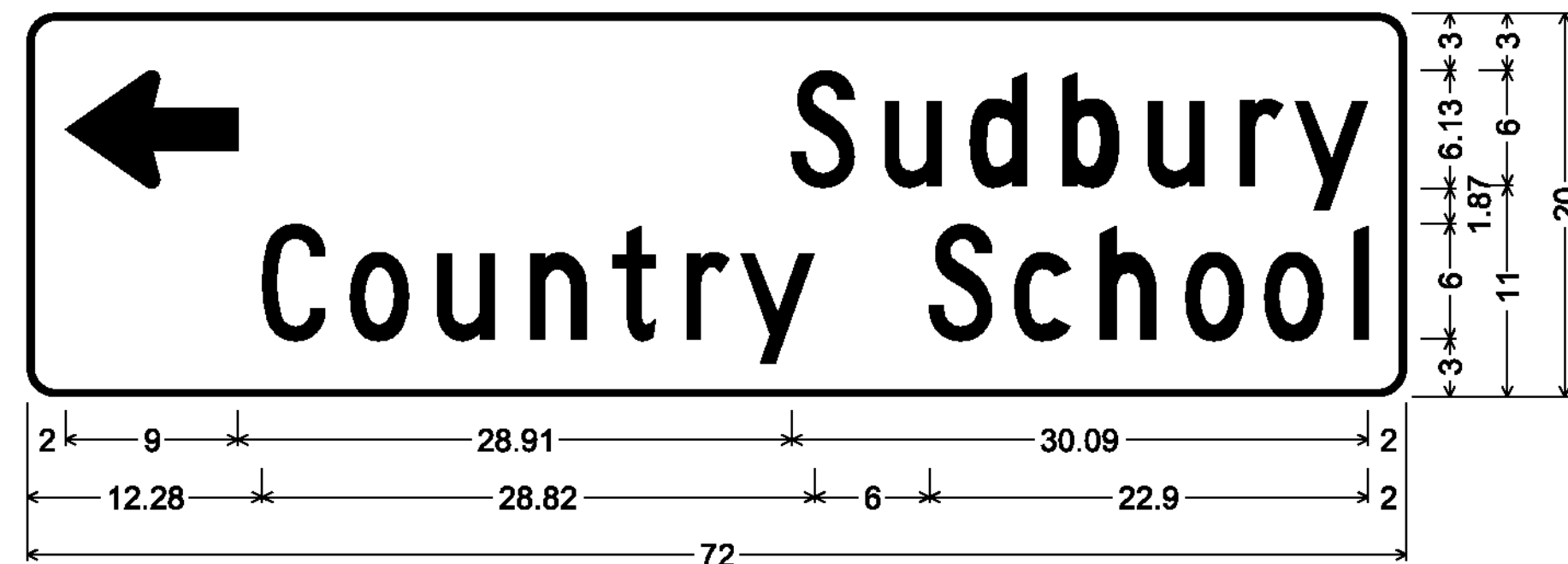
D-BOARD NOTES:

1. SIGN SUBSTRATE MATERIAL SHALL BE ALUMINUM SHEETING 0.125 INCHES MINIMUM THICKNESS.
2. ALL SIGNS SHALL BE 72 INCH BY 12 INCH WITH CORNERS ROUNDED TO A $1\frac{1}{2}$ INCH RADIUS, UNLESS OTHERWISE NOTED.
3. SIGNS SHALL HAVE A $\frac{3}{8}$ INCH WIDE BORDER ROUNDED TO A $1\frac{1}{2}$ INCH RADIUS.
4. SIGNS SHALL BE WHITE RETROREFLECTIVE LEGEND ON A GREEN RETROREFLECTIVE BACKGROUND, BOTH SHALL HAVE RETROREFLECTIVE SHEETING EQUAL TO OR EXCEEDING "AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS" (AASHTO) M 268 ["AMERICAN SOCIETY FOR TESTING AND MATERIALS" (ASTM) D 4956] TYPE III.
5. LEGEND SHALL BE CENTERED VERTICALLY
6. LEGEND SHALL BE LOWER CASE WITH THE FIRST LETTERS CAPITALIZED.
7. TEXT SIZE AND SERIES SHALL BE SIZED IN THIS ORDER UNTIL THE LEGEND FITS (EACH CAN BE REDUCED TO 80% SPACING): 6C; 6B; 5C; 5B; 4C; 4B.
8. SEQUENCE OF ARROWS TO BE AS SHOWN, TOP TO BOTTOM.
9. SIGNS SHALL BE LIMITED TO TWO PER DIRECTION PER INSTALLATION WITH A MAXIMUM OF SIX SIGNS.
10. ALL DIMENSIONS IN INCHES, UNLESS OTHERWISE NOTED.

VD1-2



1.50" Radius, 0.38" Border, White on Green;
[Sudbury Country] C; [School] C; Standard Arrow Custom 9.00" X 6.13" 0°;



1.50" Radius, 0.38" Border, White on Green;
Standard Arrow Custom 9.00" X 6.13" 180°; [Sudbury] C; [Country School] C;

PROJECT NAME: SUDBURY-BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_sign_dtl.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY:
SIGN DETAILS I

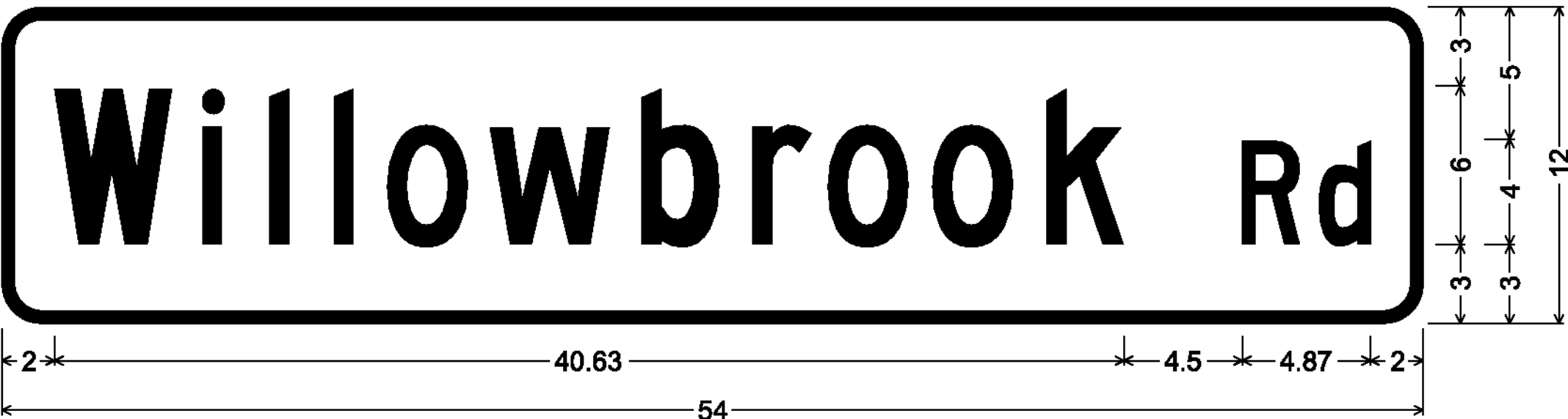
PLOT DATE: 13-FEB-2013

DRAWN BY: B. MCADAMS

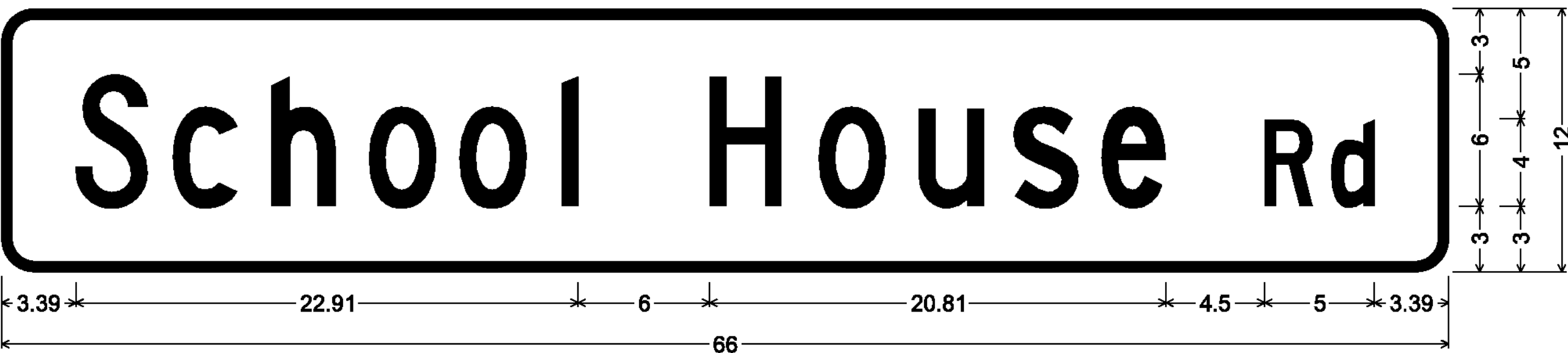
CHECKED BY: B. KIPP
SHEET 92 OF 137

SIGN DETAILS 2

D3-1



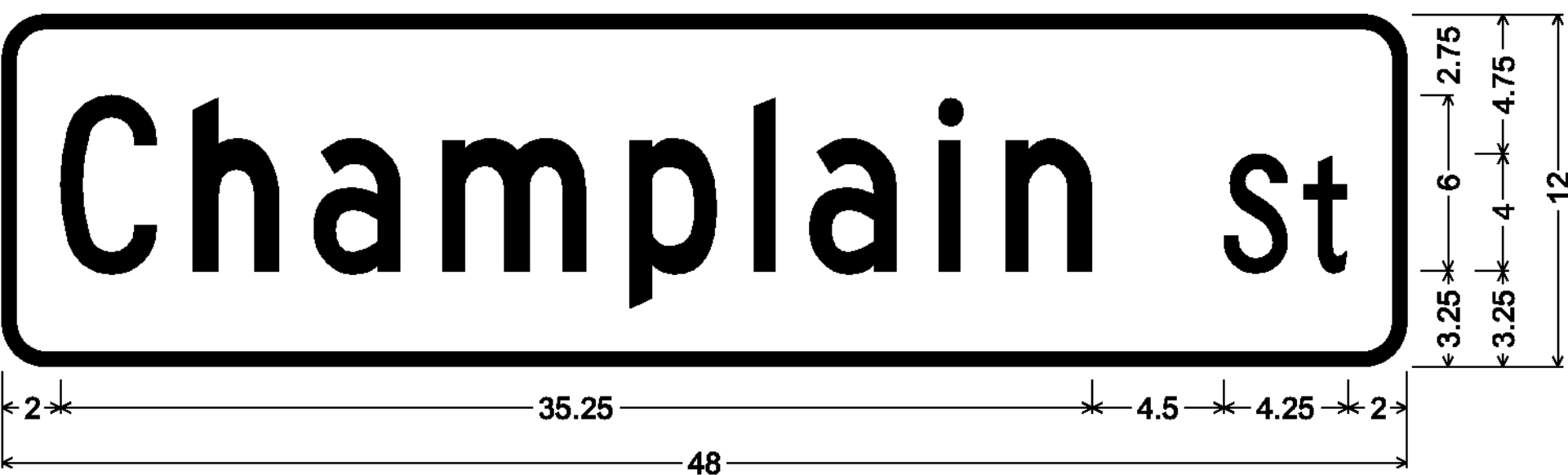
1.50" Radius, 0.50" Border, White on Green;
[Willowbrook Rd] C specified length;



1.50" Radius, 0.50" Border, White on Green;
[School House Rd] C;



1.50" Radius, 0.50" Border, White on Green;
[Sawyer Needham Rd] C specified length;

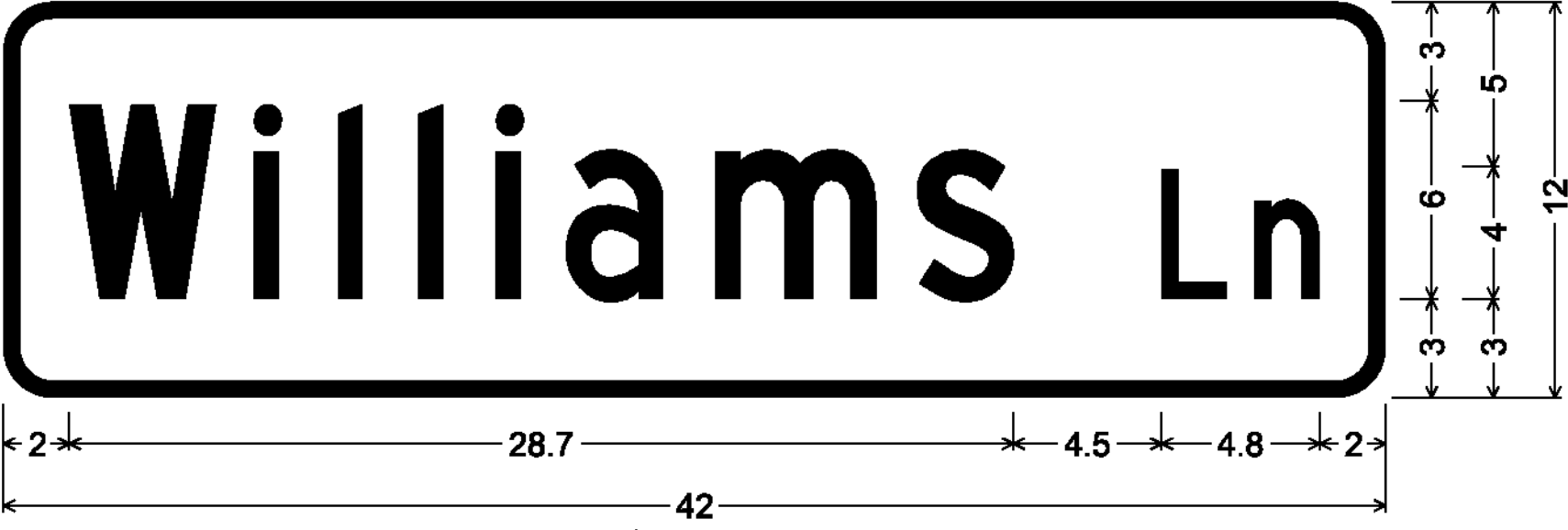


1.50" Radius, 0.50" Border, White on Green;
[Champlain St] C specified length;

D3-1

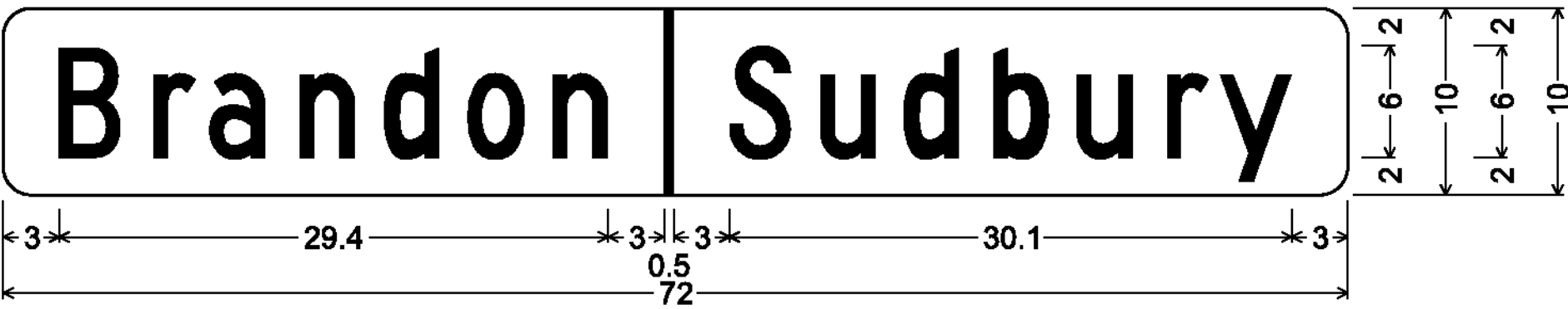


1.50" Radius, 0.50" Border, White on Green;
[Fiddle Hill Rd] C specified length;



1.50" Radius, 0.50" Border, White on Green;
[Williams Ln] C specified length;

VD-024

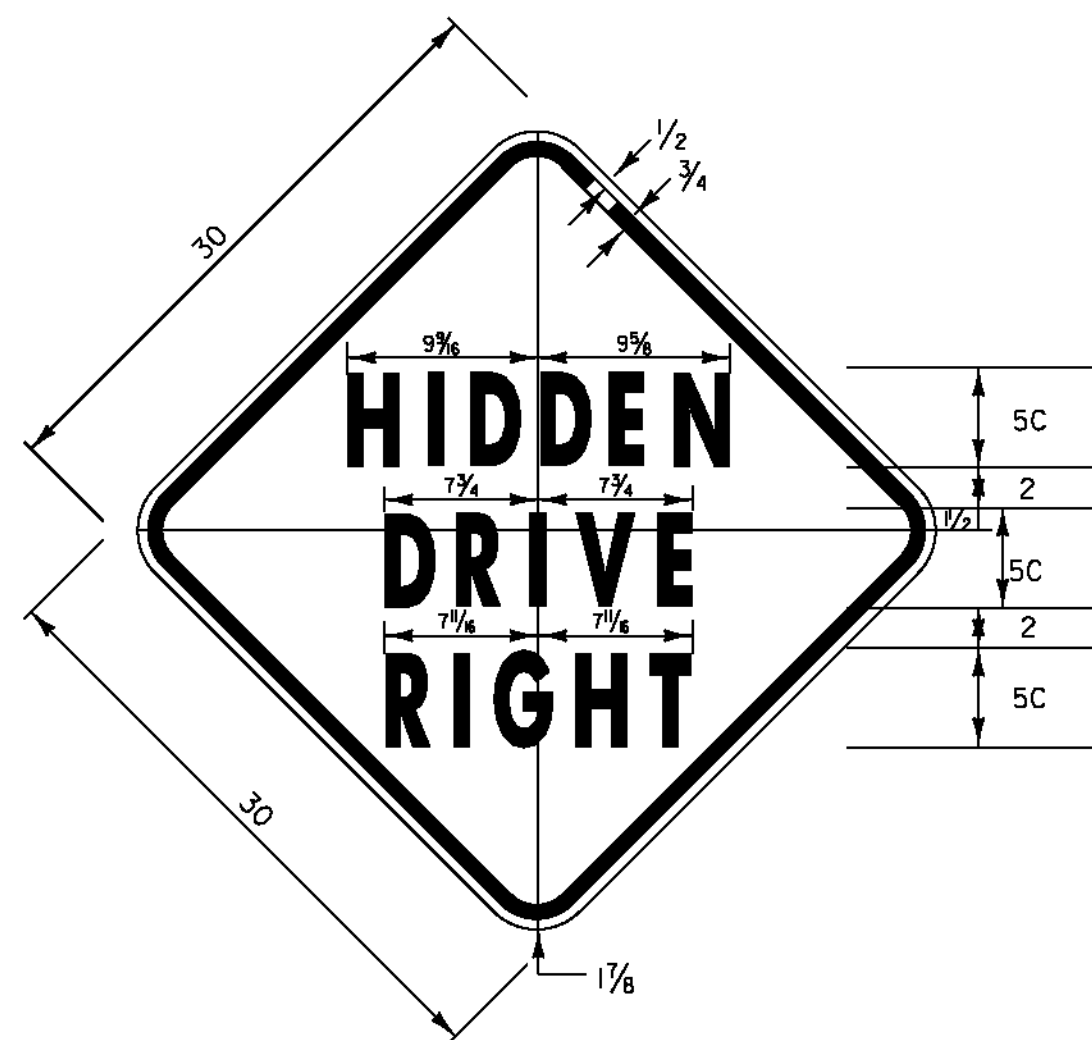


1.5" Radius, No border, White on Green;
[Brandon] C specified length; [Sudbury] C 100% spacing;

PROJECT NAME: SUDBURY-BRANDON
PROJECT NUMBER: STP 0158(3)

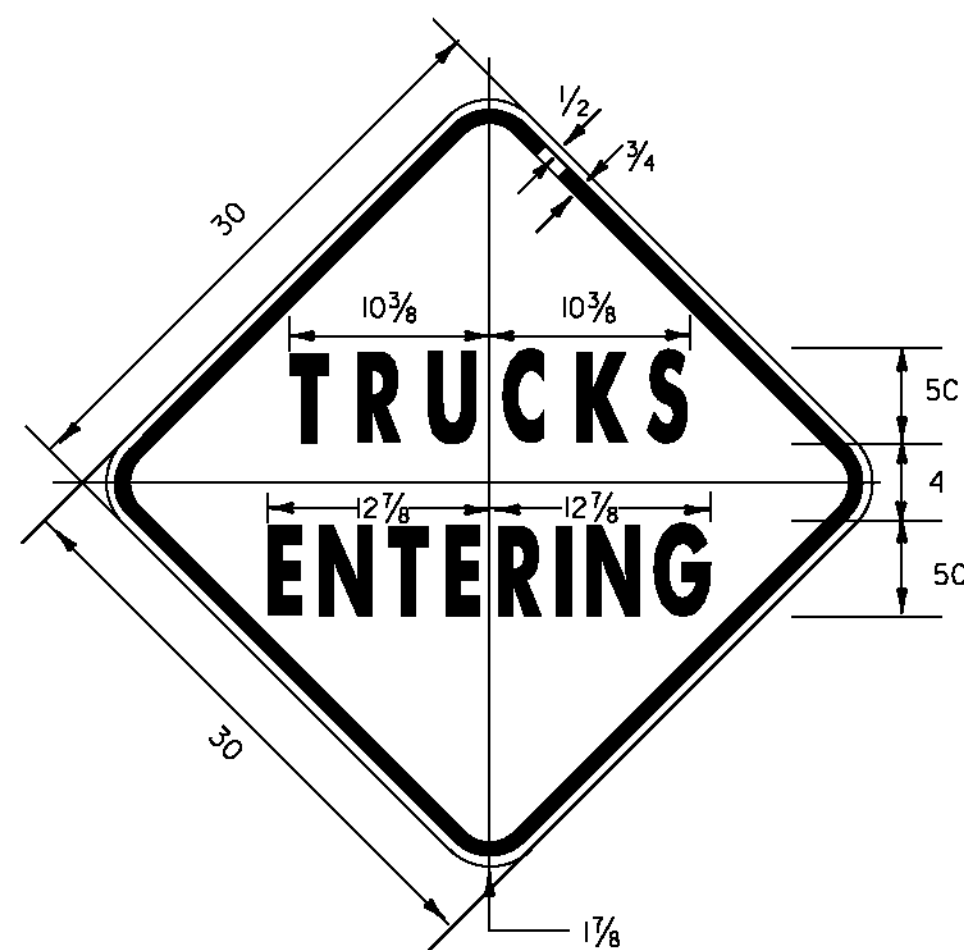
FILE NAME: d10c204_s1gn_d11.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
SIGN DETAILS 2
PLOT DATE: 13-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: B. KIPP
SHEET 93 OF 137

SIGN DETAILS 3



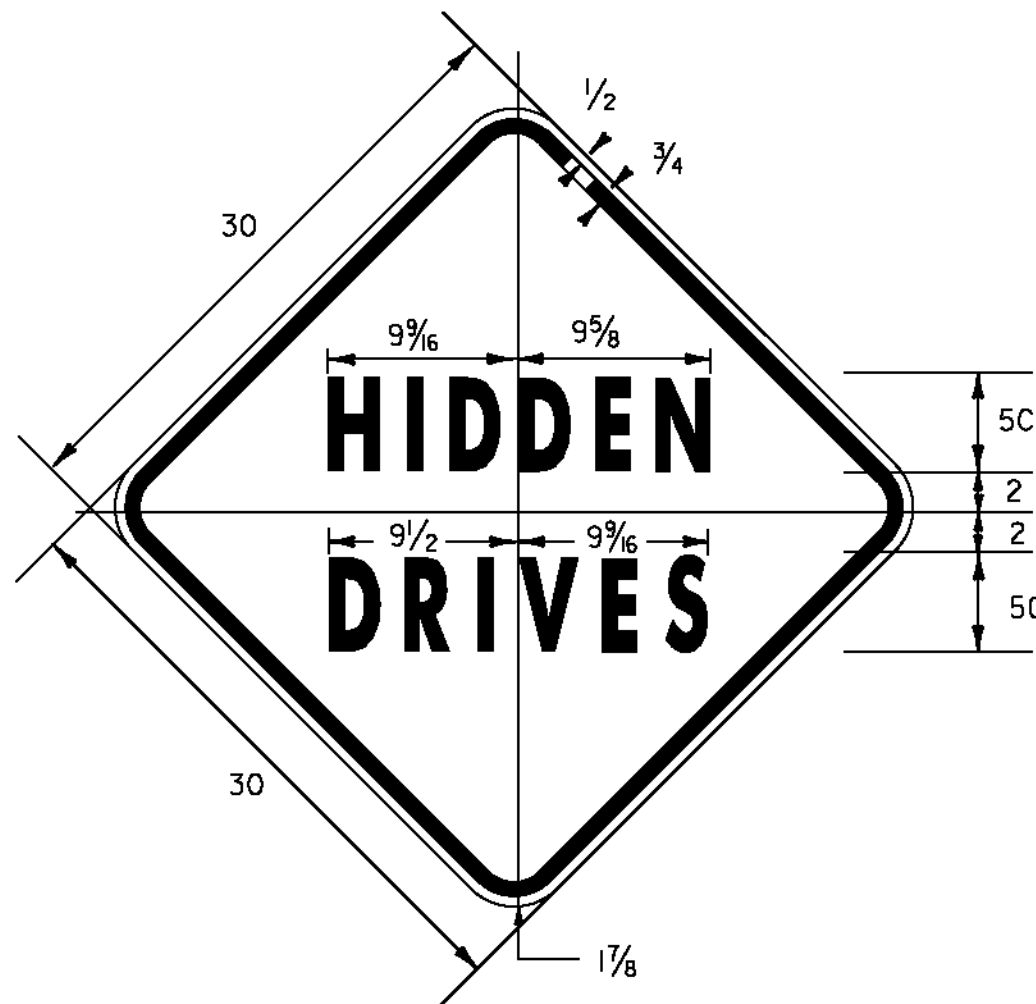
1.875" RADIUS, 0.75" BORDER, 0.50" INDENT
COLORS: LEGEND - BLACK
BACKGROUND - YELLOW
TEXT STYLE: C

VW-054



1.875" RADIUS, 0.75" BORDER, 0.50" INDENT
COLORS: LEGEND - BLACK
BACKGROUND - YELLOW
TEXT STYLE: C

VW-202



1.875" RADIUS, 0.75" BORDER, 0.50" INDENT
COLORS: LEGEND - BLACK
BACKGROUND - YELLOW
TEXT STYLE: C

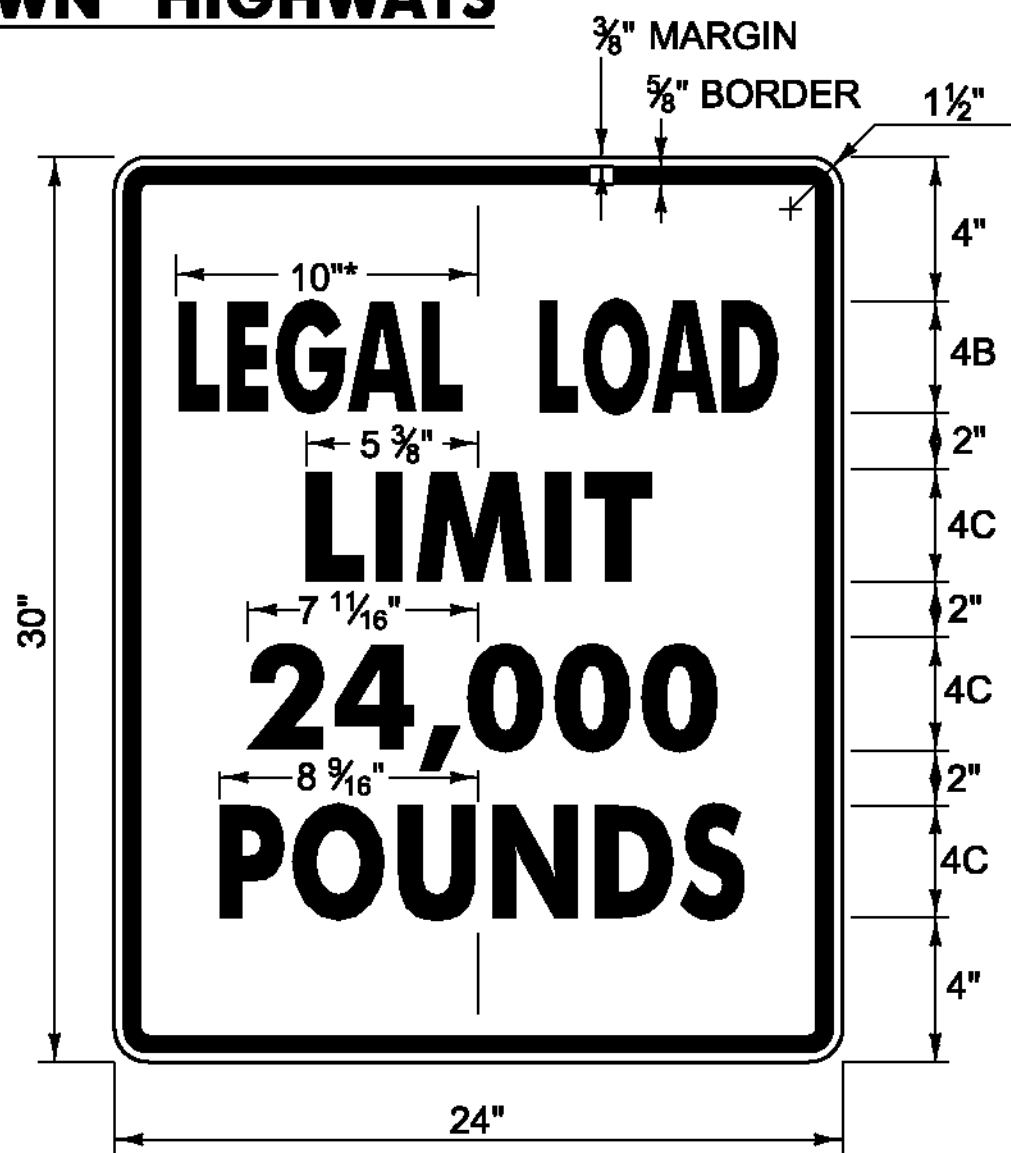
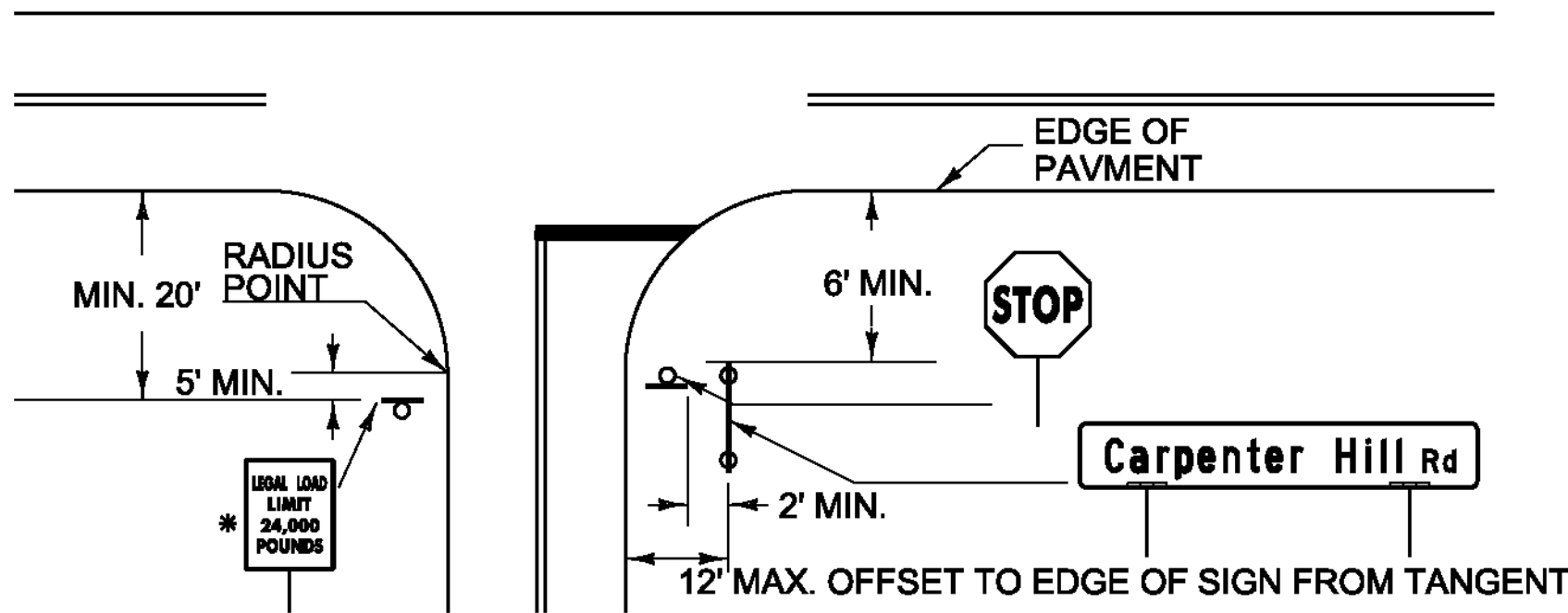
VW-060



1.5" RADIUS, 0.625" BORDER, 0.375" INDENT
COLORS: LEGEND - BLACK
BACKGROUND - WHITE
TEXT STYLE: C

VW-023B

LEGAL LOAD LIMIT AND STOP SIGNS AT INTERSECTIONS WITH TOWN HIGHWAYS



*REDUCE SPACING 50 %
LINE 3 ALTERNATE - 16,000
1.500" RADIUS, 0.625"
BORDER, 0.375" INDENT
COLORS: BLACK ON WHITE
TEXT STYLE: "LEGAL LOAD" B;
"LIMIT" C; "24,000" C;
"POUNDS" C

VR-017

SIGN DESIGN AND FABRICATION

- THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SIGN CODES PROVIDED IN THESE PLANS REFER TO THE 2009 MUTCD AND IT'S LATEST REVISIONS. DESIGN DETAILS FOR SIGNS INDICATED ON THE PLANS, AS FOUND IN THE STANDARD HIGHWAY SIGNS AND MARKINGS BOOK (SHSM), SHALL BE PER THE 2004 SHSM AND THE 2012 SUPPLEMENT TO THE 2004 EDITION.
- SIGN SHEETING FOR FLUORESCENT YELLOW (FY) AND FLUORESCENT YELLOW-GREEN (FYG) SHALL BE ASTM D4956 TYPE VII, VIII OR IX. ALL OTHER SIGN SHEETING SHALL BE TYPE III OR IV.
- SHEETING TYPES AND SHEETING FABRICATED BY DIFFERENT MANUFACTURERS SHALL NOT BE MIXED ON A SINGLE SIGN ASSEMBLY. SHEETING COLOR/TYPE SHOULD BE BY THE SAME MANUFACTURER AND SHOULD BE CONSISTENT THROUGHOUT THE PROJECT.
- SIGN BASE MATERIAL FOR ALL STREET NAME SIGNS SHALL BE EITHER 0.125 INCH THICK FLAT SHEET ALUMINUM OR EXTRUDED ALUMINUM WITH A 0.250 INCH THICK FLANGE AND 0.090 INCH MINIMUM WEB THICKNESS.
- UNLESS OTHERWISE NOTED ON THE PLANS, ALL SIGNS SHALL BE FLAT SHEET ALUMINUM WITH THE FOLLOWING MINIMUM THICKNESSES:

SIGN SIZE	12" X 12"		
	18" X 18"		
	21" X 15"		
	24" X 8"		
	24" X 10"		48" X 18"
	24" X 12"	36" X 12"	48" X 24"
	24" X 18"	36" X 15"	48" X 30"
	24" X 24"	36" X 18"	48" X 42"
	24" X 30"	36" X 24"	48" X 48"
	30" X 15"	36" X 36"	48" X 60"
THICKNESS	30" X 18"	36" X 42"	72" X 10"
	30" X 30"	36" X 48"	72" X 12"
	30" X 42"	36" X 54"	72" X 20"

PROJECT NAME: SUDBURY-BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_s1gn_dtl.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY: B. MCADAMS

SIGN DETAILS 3

PLOT DATE: 13-FEB-2013

DRAWN BY: B. MCADAMS

CHECKED BY: B. KIPP

SHEET 94 OF 137

PAVEMENT CORE DATA SHEET												
#	TOWN	ROUTE	DIR/OS	MM	DEPTH IN.	PCC UNDER	OVER ASPHALT	DRAINABLE BASE	SOLID CORE	STRIPPED? WHERE?	SHOULDER CORE?	COMMENTS
1	SUDBURY	VT 73	WB	3.172	3	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 10" WITH 7" ASSUMED RECLAIM MATERIAL ON BOTTOM.
2	BRANDON	VT 74	EB	0.162	3.5	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 9" WITH 5.5" ASSUMED RECLAIM MATERIAL ON BOTTOM.
3	BRANDON	VT 75	WB	0.391	4.5	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 8.5" WITH 4" ASSUMED RECLAIM MATERIAL ON BOTTOM.
4	BRANDON	VT 76	EB	0.560	3	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 11.5" WITH 8.5" ASSUMED RECLAIM MATERIAL ON BOTTOM.
5	BRANDON	VT 77	WB	0.882	4	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 13" WITH 9" ASSUMED RECLAIM MATERIAL ON BOTTOM.
6	BRANDON	VT 78	EB	1.152	3.5	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 8" WITH 4.5" ASSUMED RECLAIM MATERIAL ON BOTTOM.
7	BRANDON	VT 79	EB	1.482	8	NO	YES	NO	YES	NO	NO	
8	BRANDON	VT 80	WB	1.592	2.75	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 10" WITH 7.25" ASSUMED RECLAIM MATERIAL ON BOTTOM.
9	BRANDON	VT 81	EB	1.690	5.5	NO	NO	NO	NO	YES, BOTTOM	NO	CORE DEPTH 10" WITH 4.5" ASSUMED RECLAIM MATERIAL ON BOTTOM.
				AVERAGE=								
				STD. DEV.=								

PROJECT NAME: SUDBURY-BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_frm.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY: B. MCADAMS

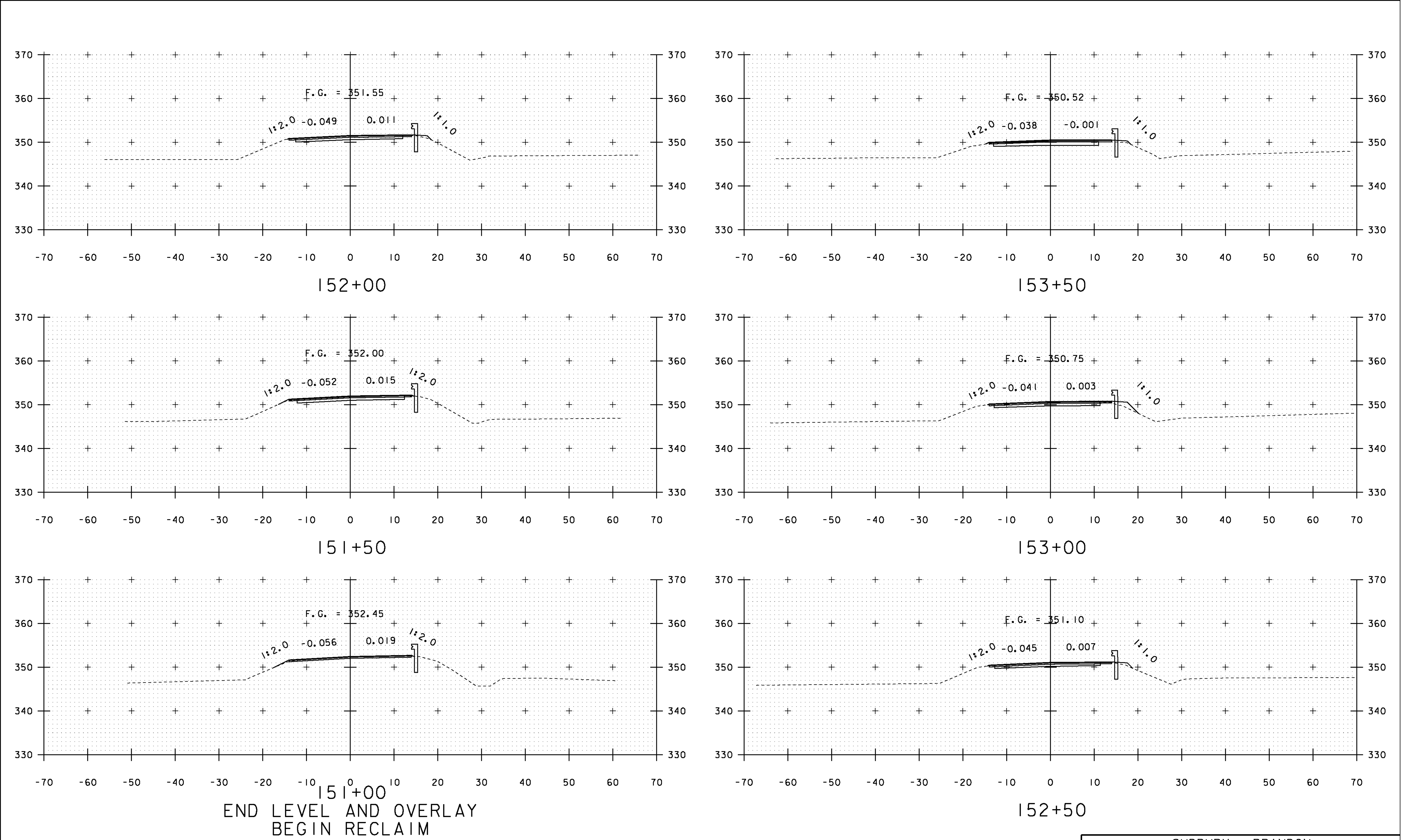
PAVEMENT CORE DATA SHEET

PLOT DATE: 13-FEB-2013

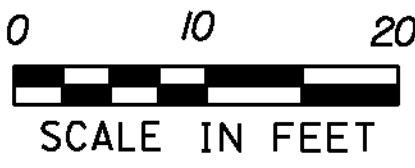
DRAWN BY: B. MCADAMS

CHECKED BY: B. KIPP

SHEET 95 OF 137

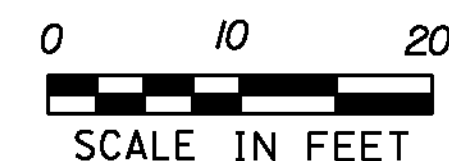
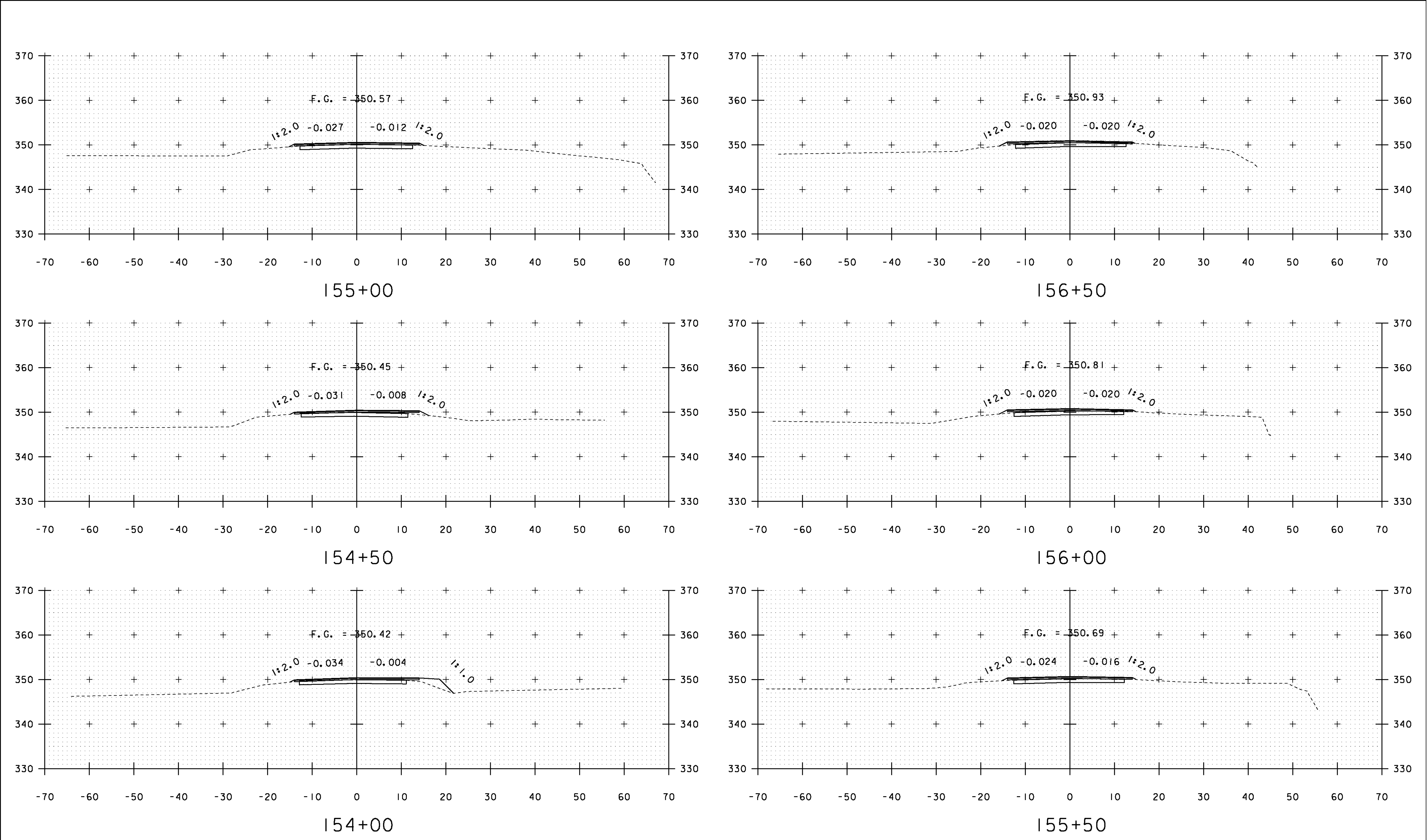


END LEVEL AND OVERLAY
BEGIN RECLAIM



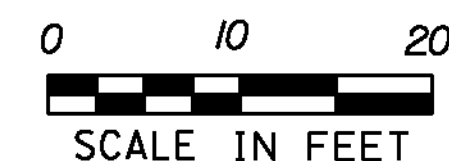
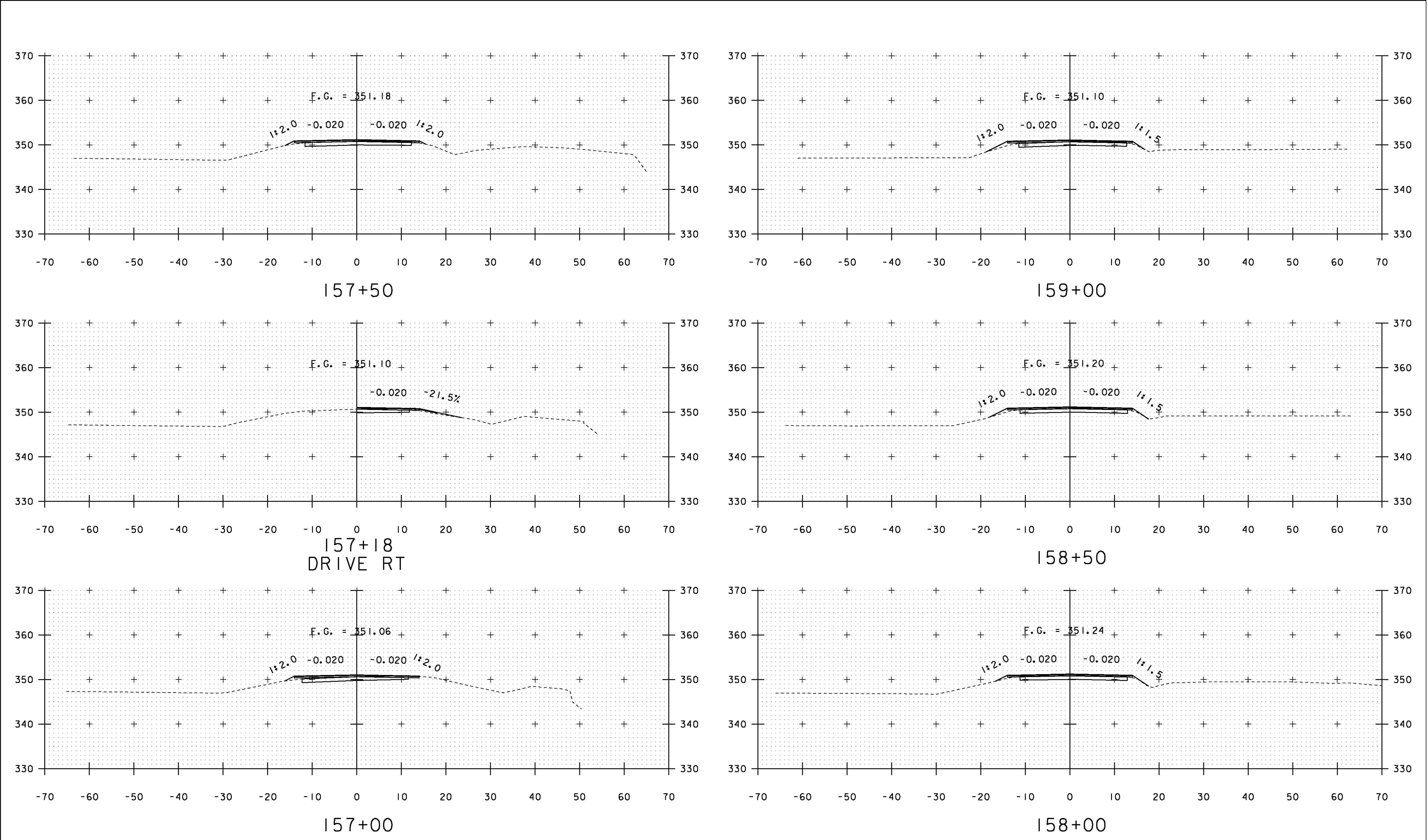
STA. 151+00 TO STA. 153+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 1	SHEET 96 OF 137



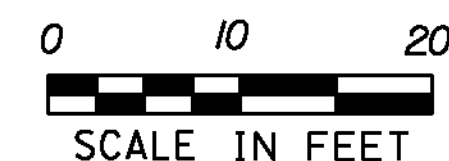
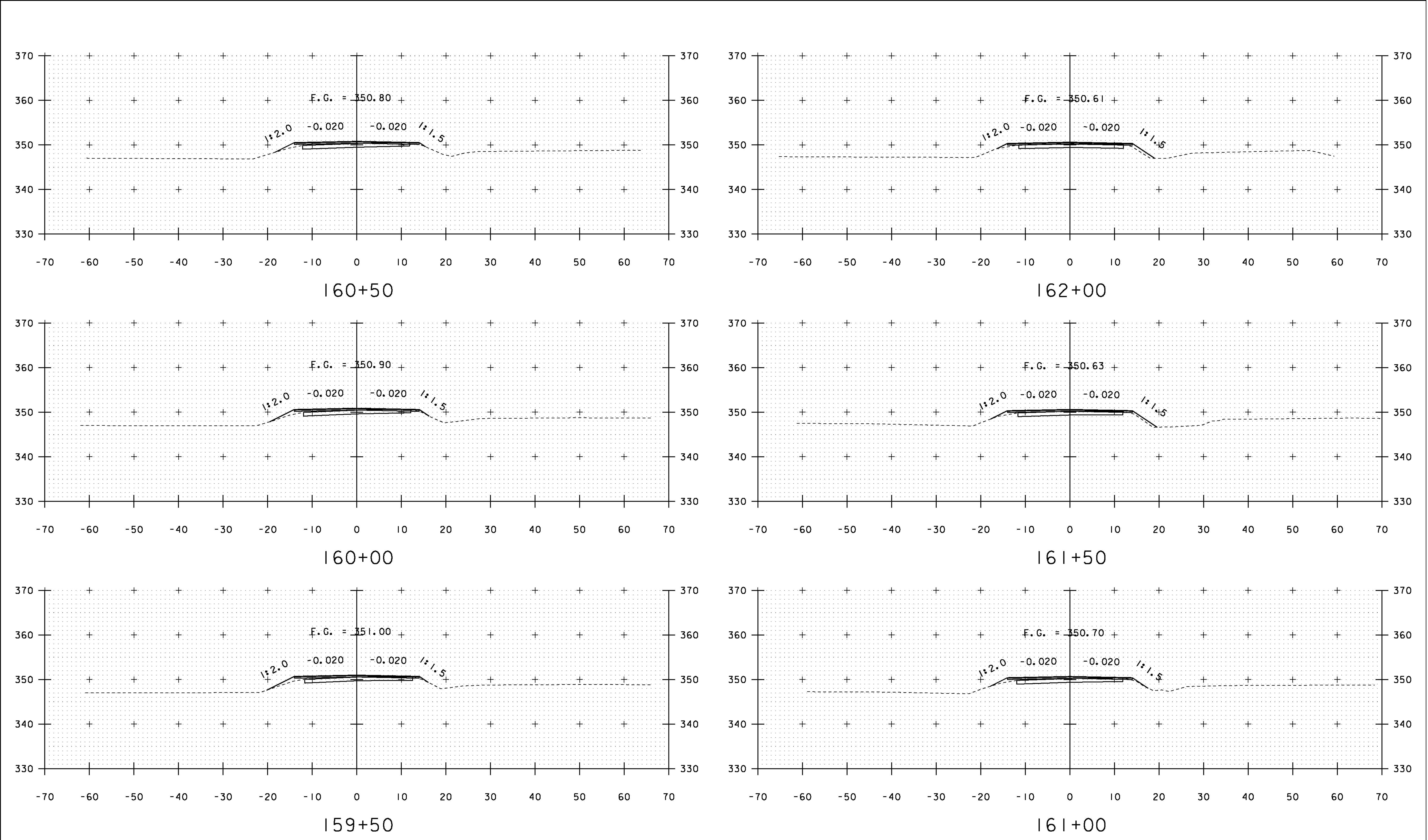
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 2	SHEET 97 OF 137

STA. 154+00 TO STA. 156+50



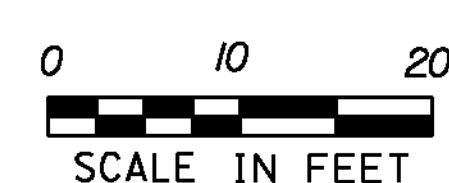
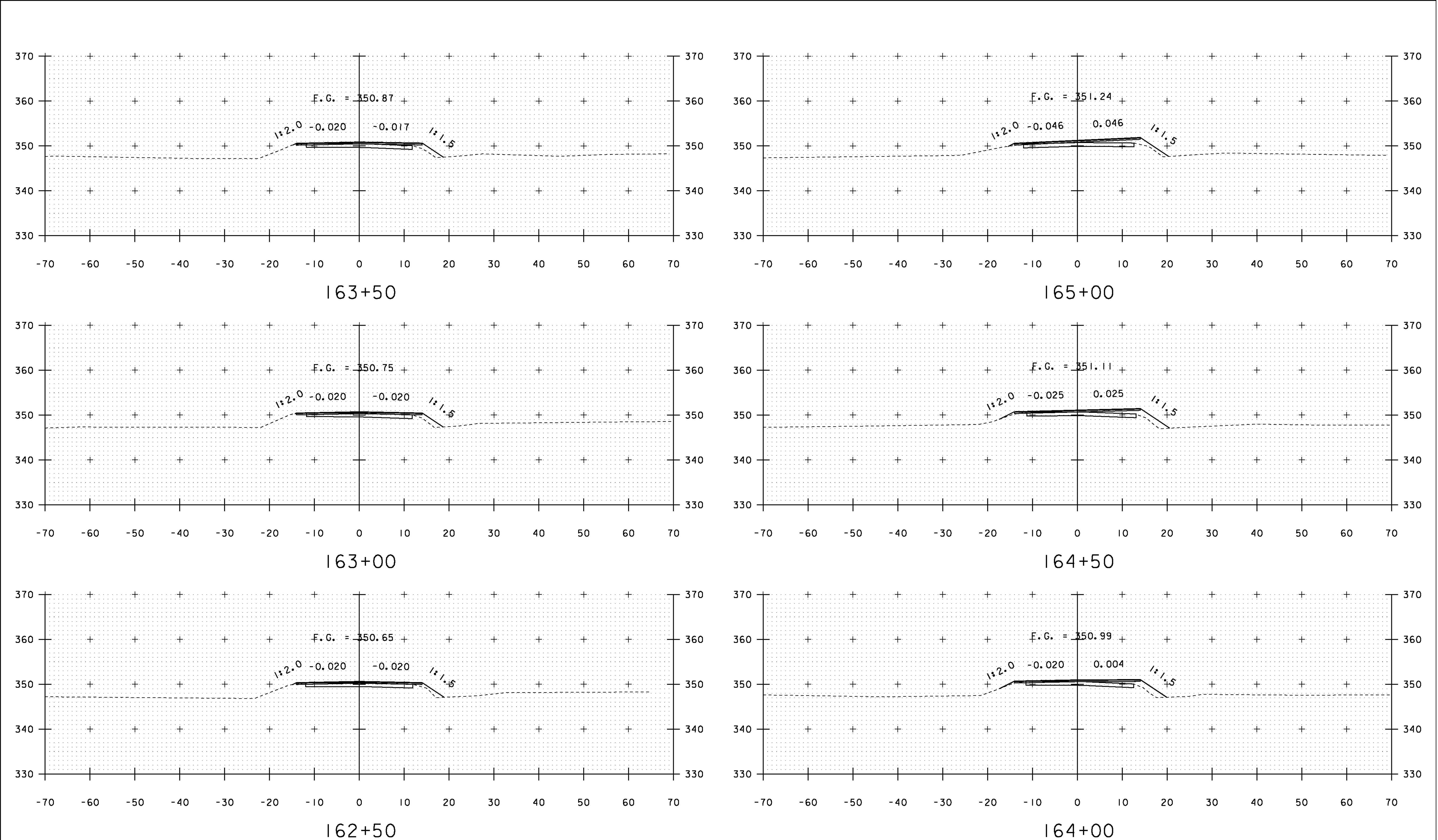
STA. 157+00 TO STA. 159+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 3	SHEET 98 OF 137



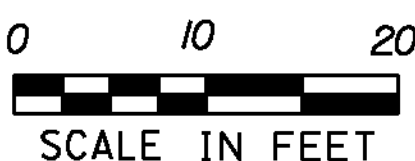
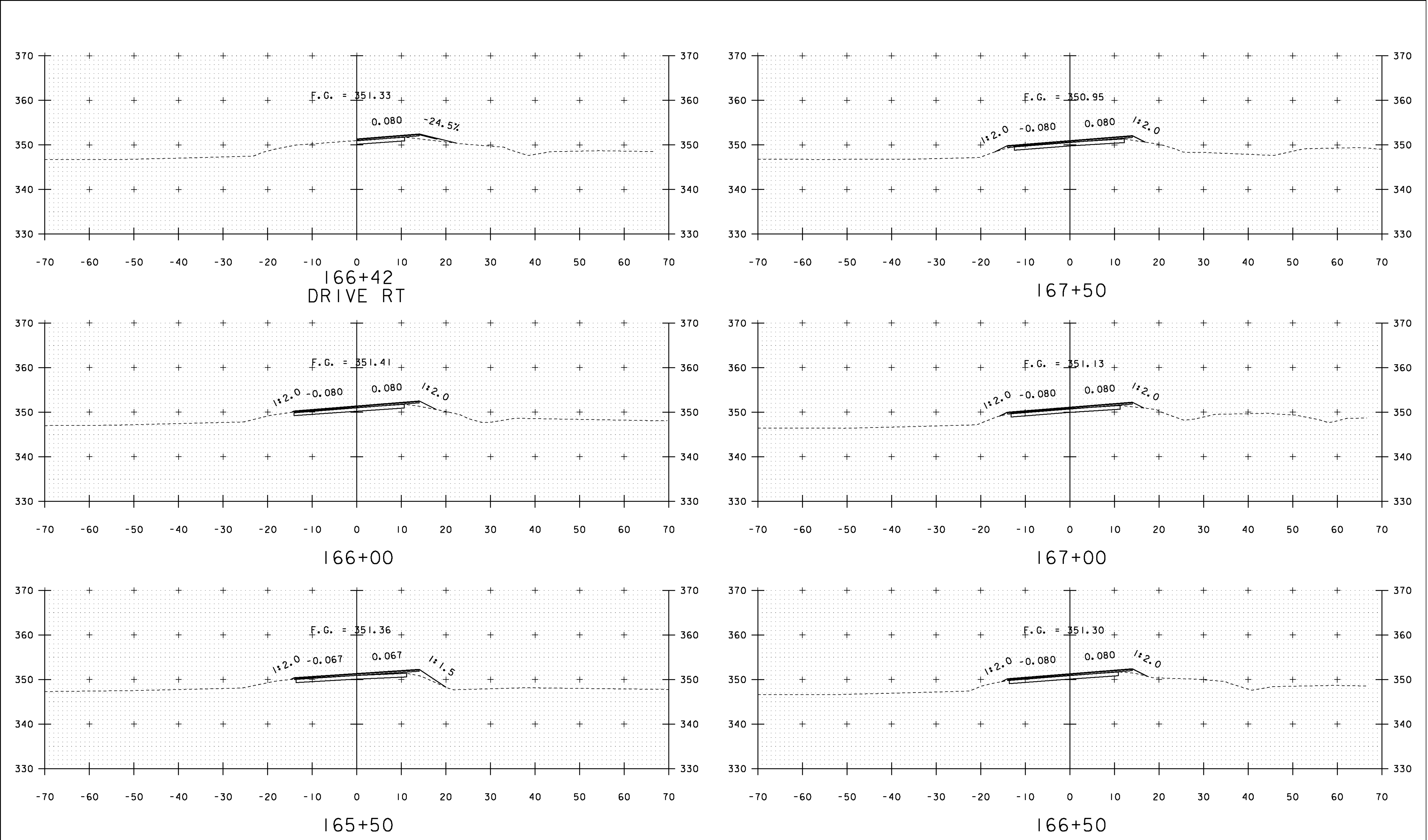
STA. 159+50 TO STA. 162+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 4	SHEET 99 OF 137



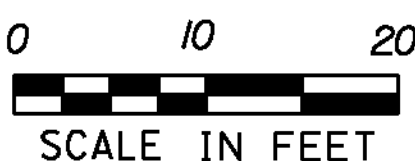
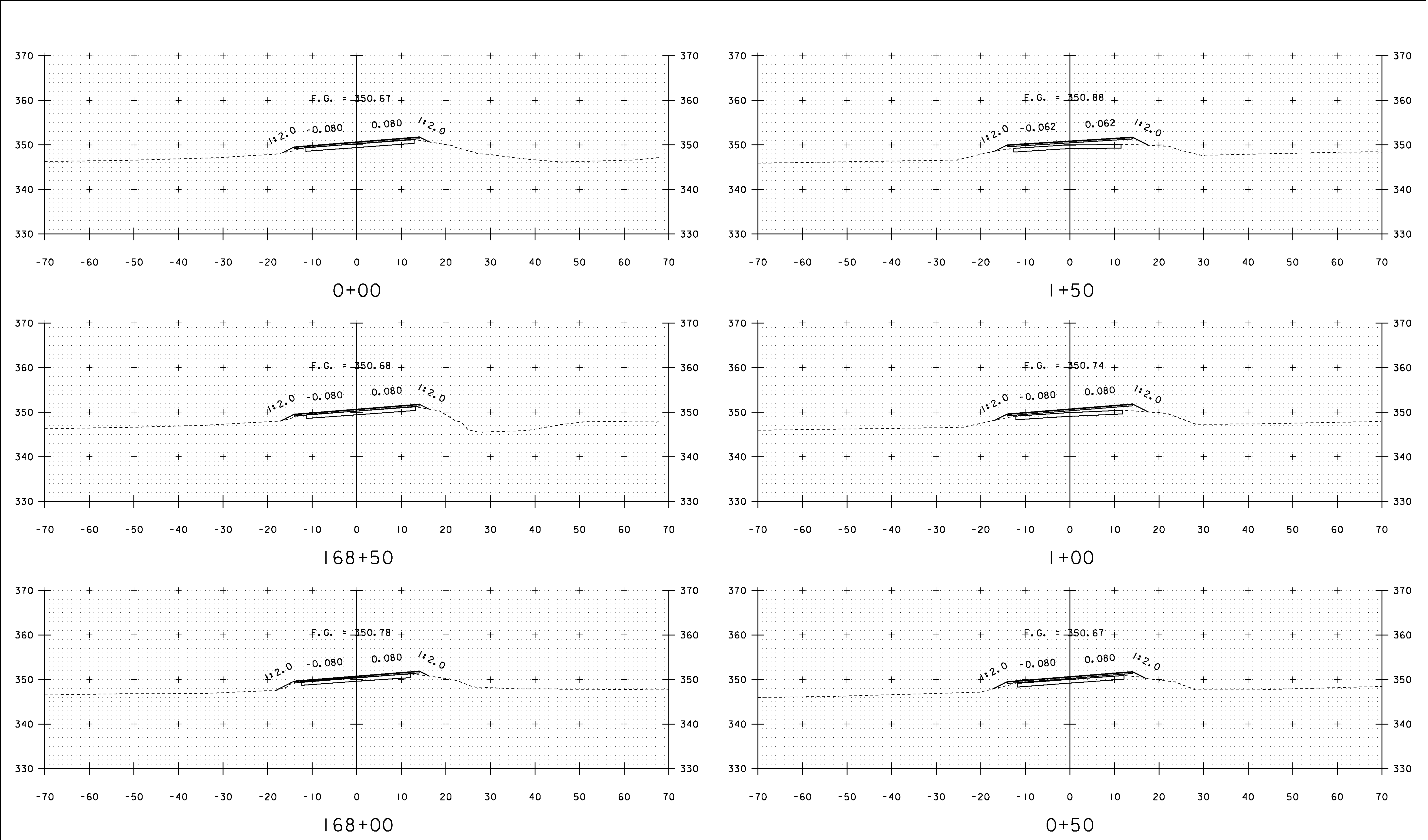
STA. 162+50 TO STA. 165+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 5	SHEET 100 OF 137



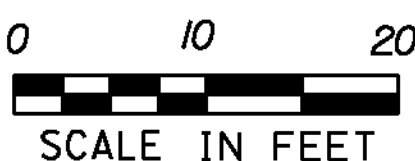
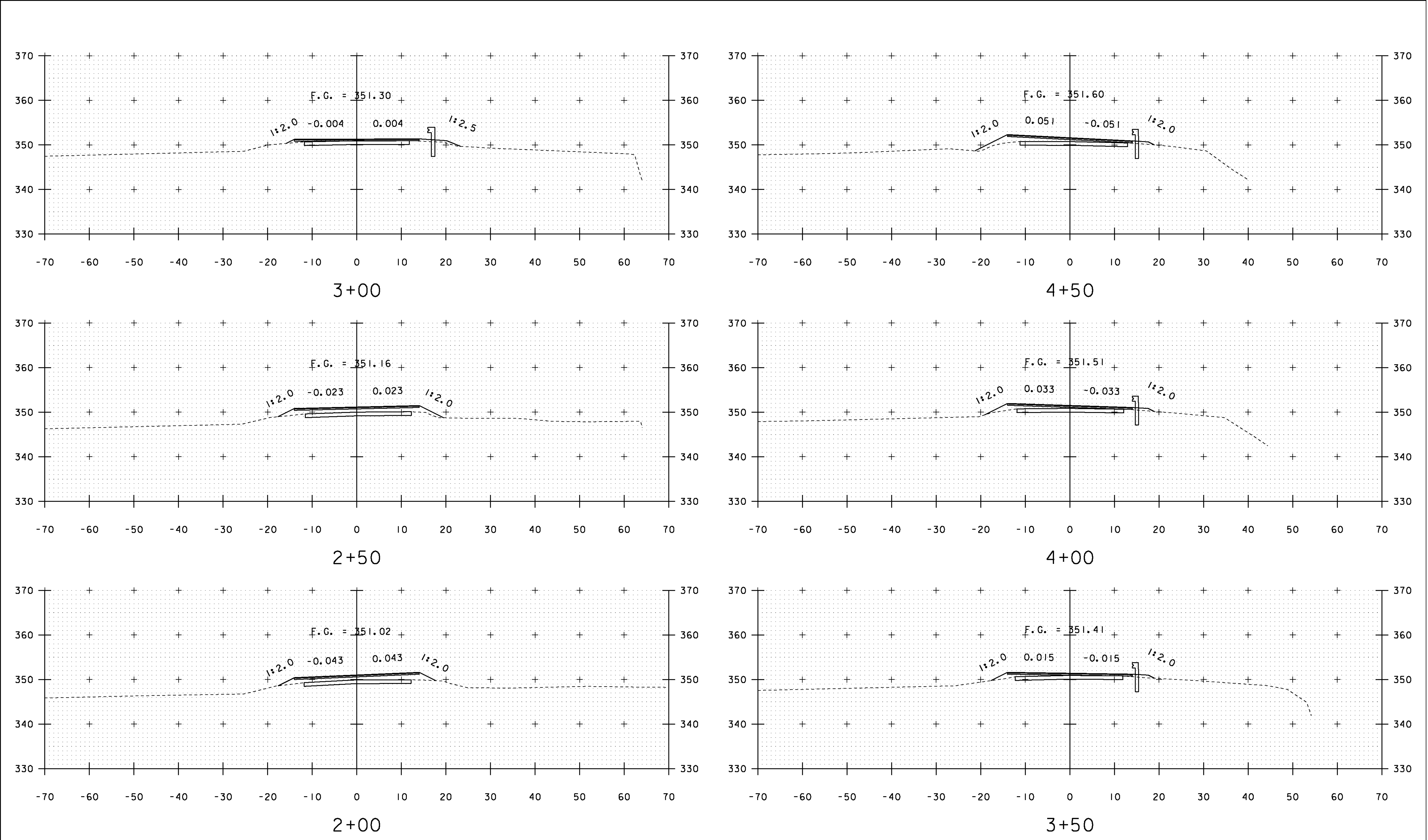
STA. 165+50 TO STA. 167+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 6	SHEET 101 OF 137



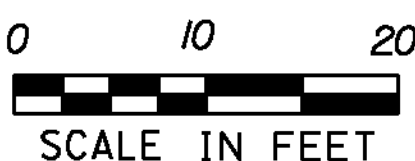
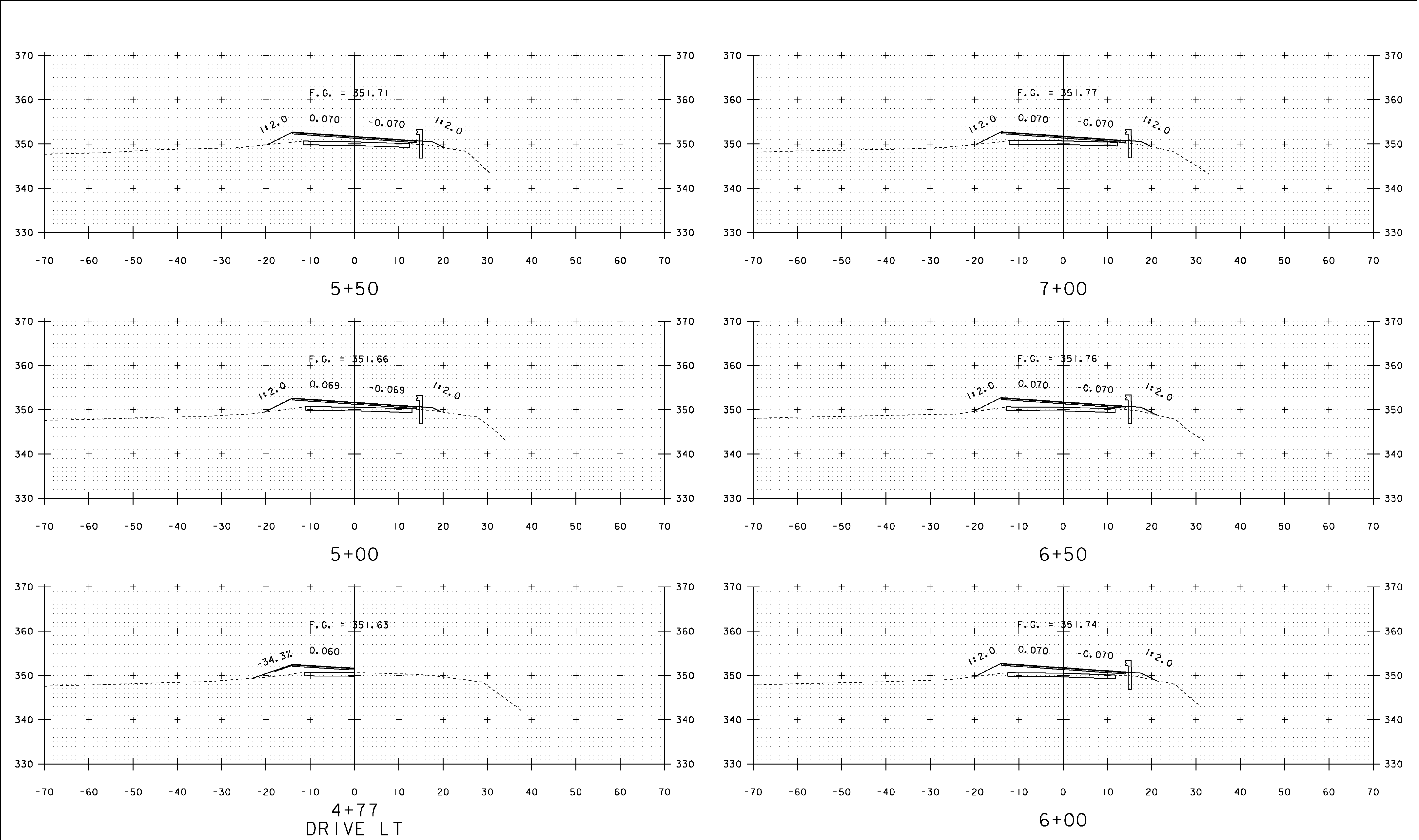
STA. 168+00 TO STA. 1+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 7	SHEET 102 OF 137



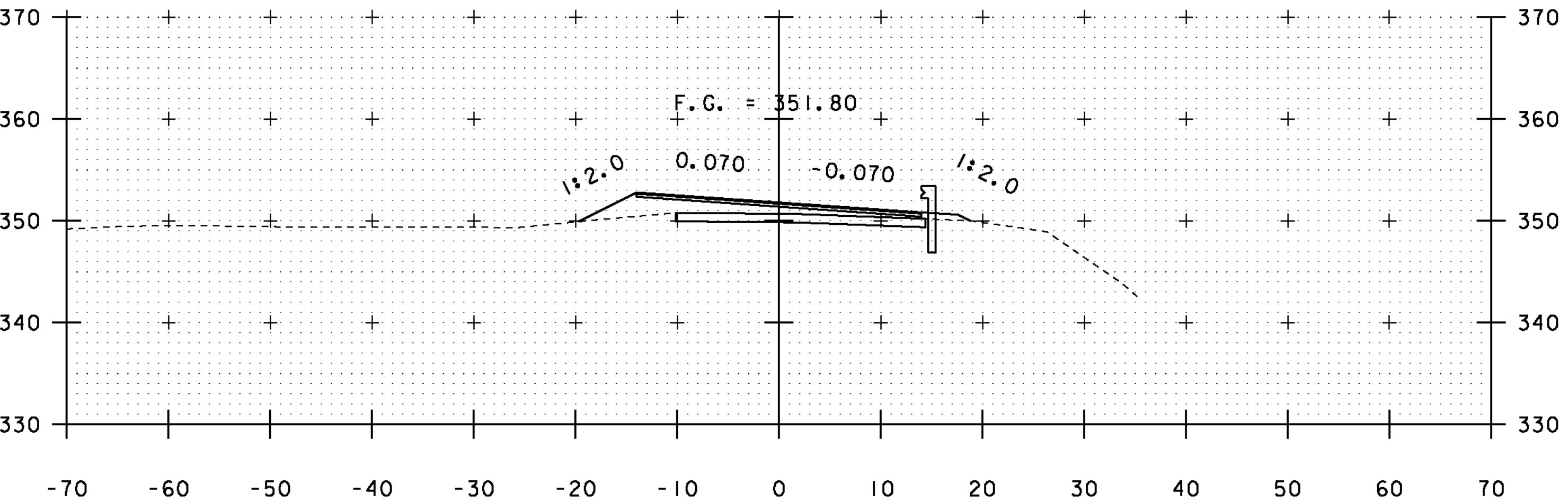
STA. 2+00 TO STA. 4+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 8	SHEET 103 OF 137

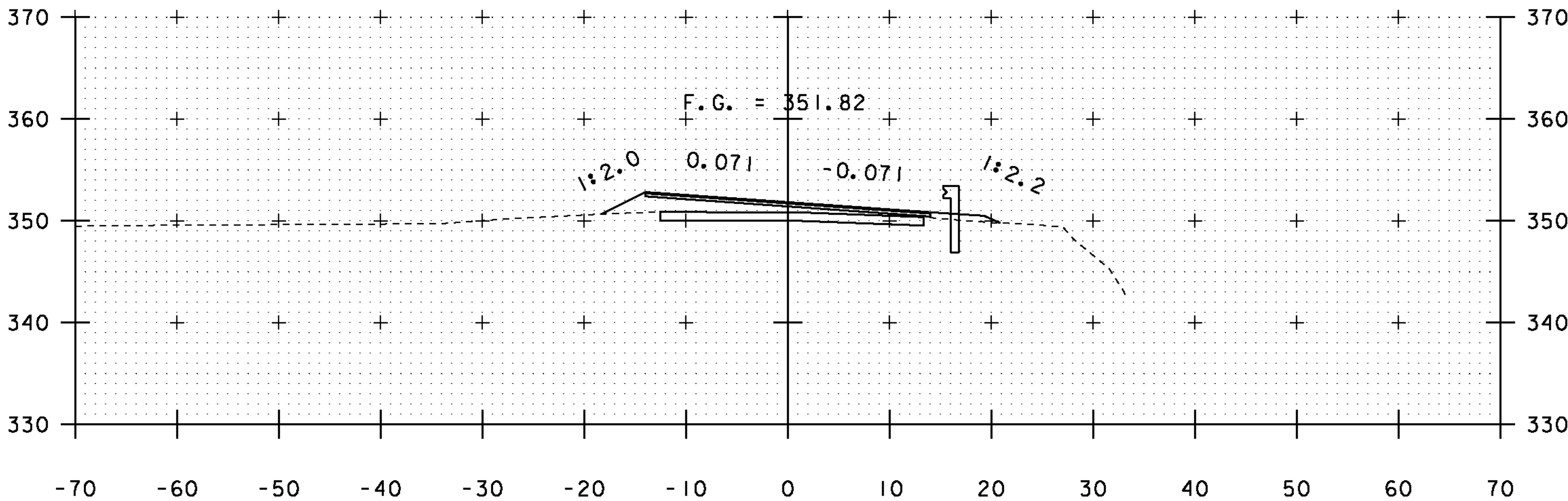


STA. 4+77 TO STA. 7+00

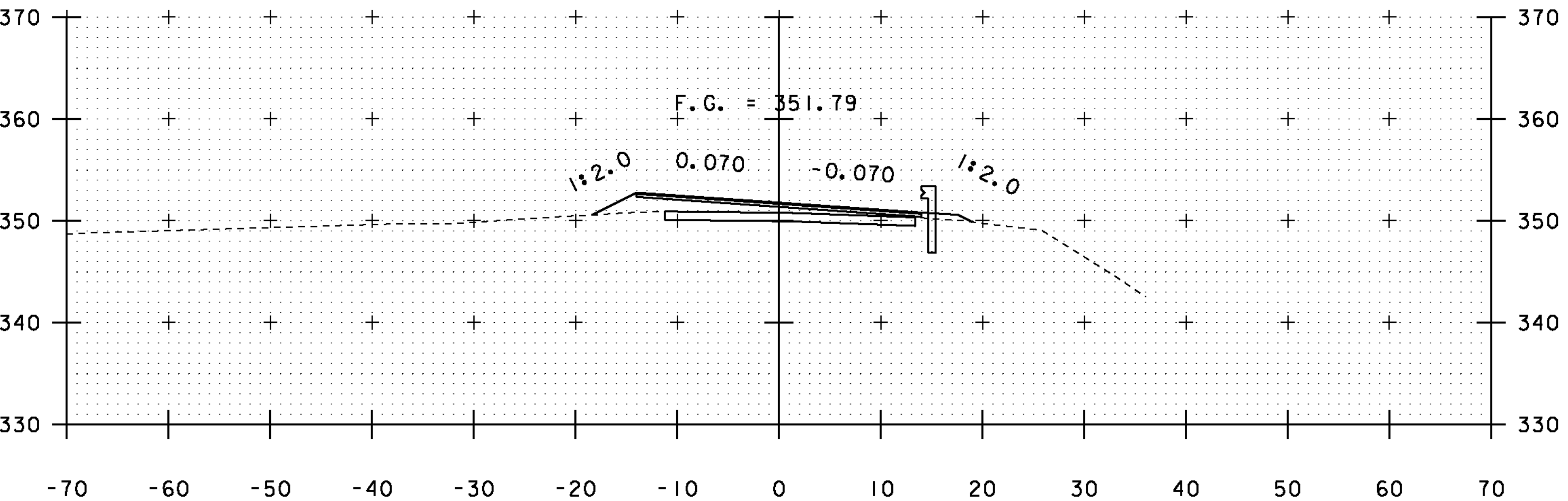
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 9	SHEET 104 OF 137



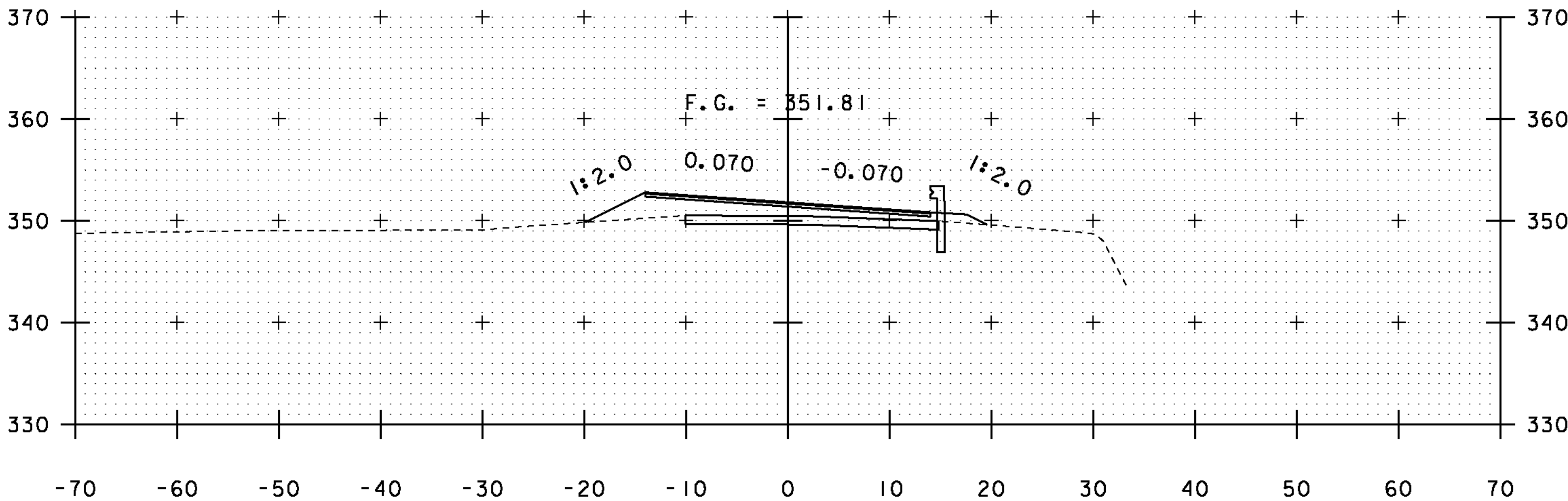
8+50



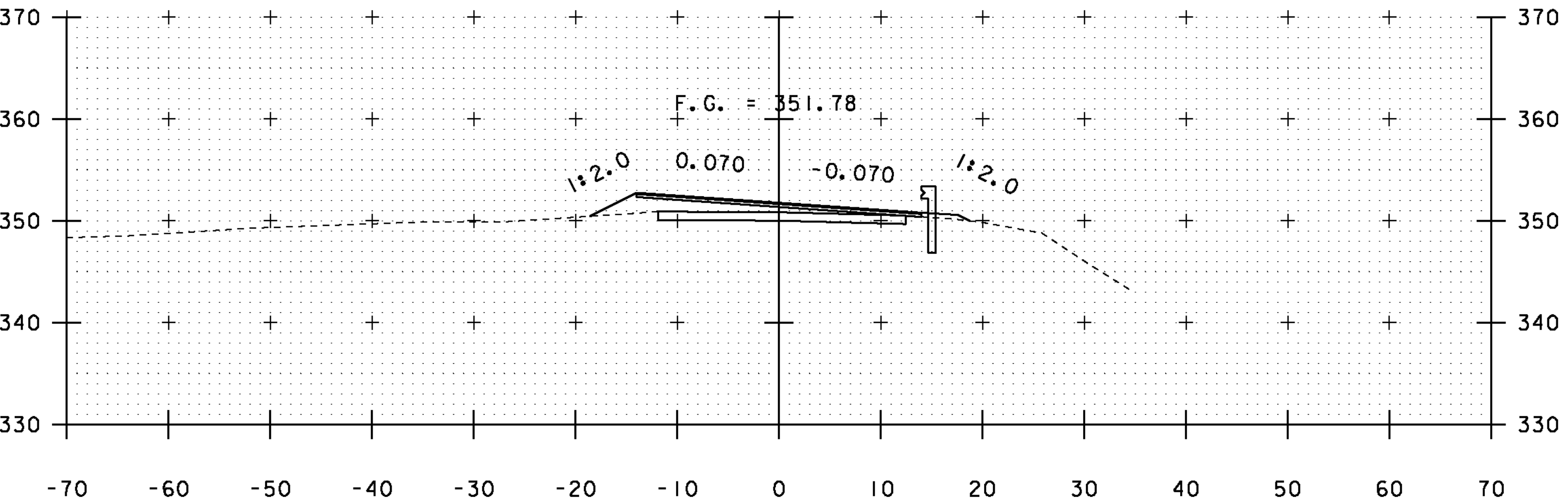
10+00



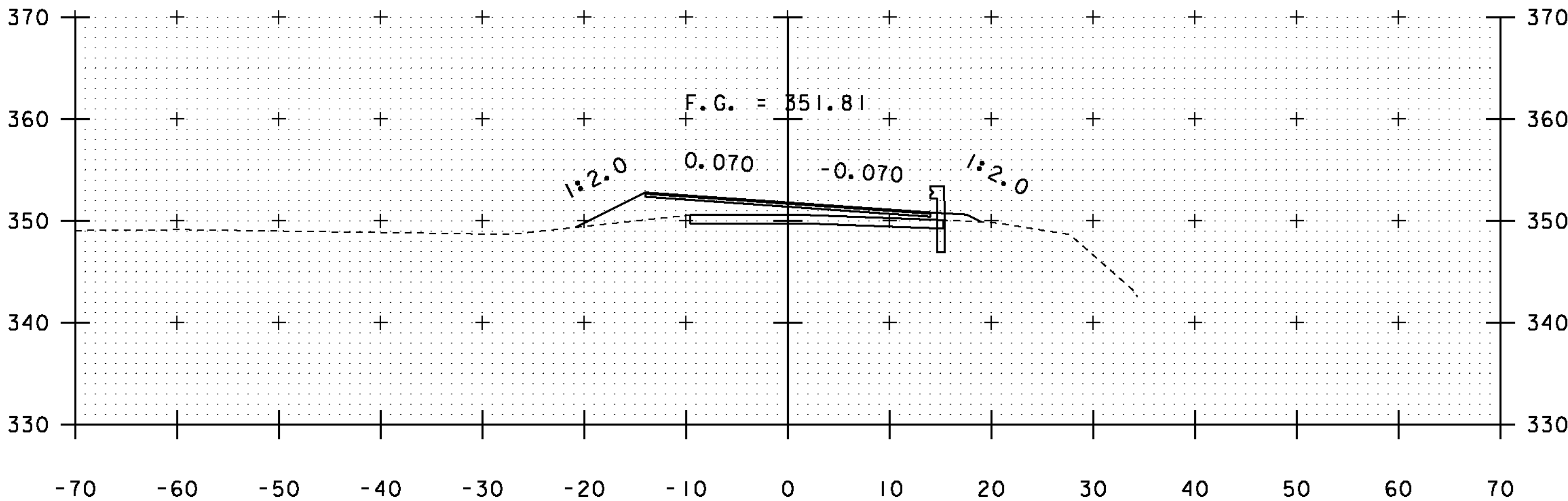
8+00



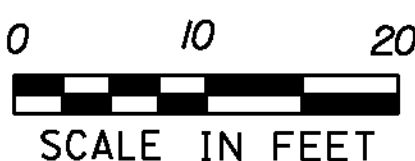
9+50



7+50

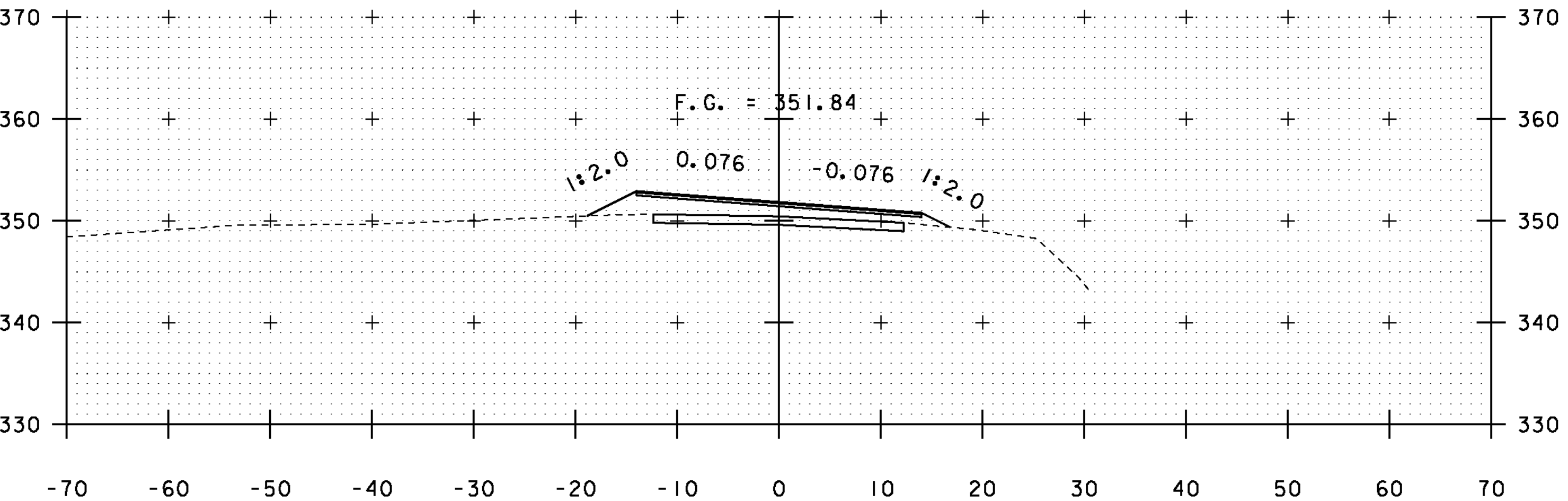


9+00

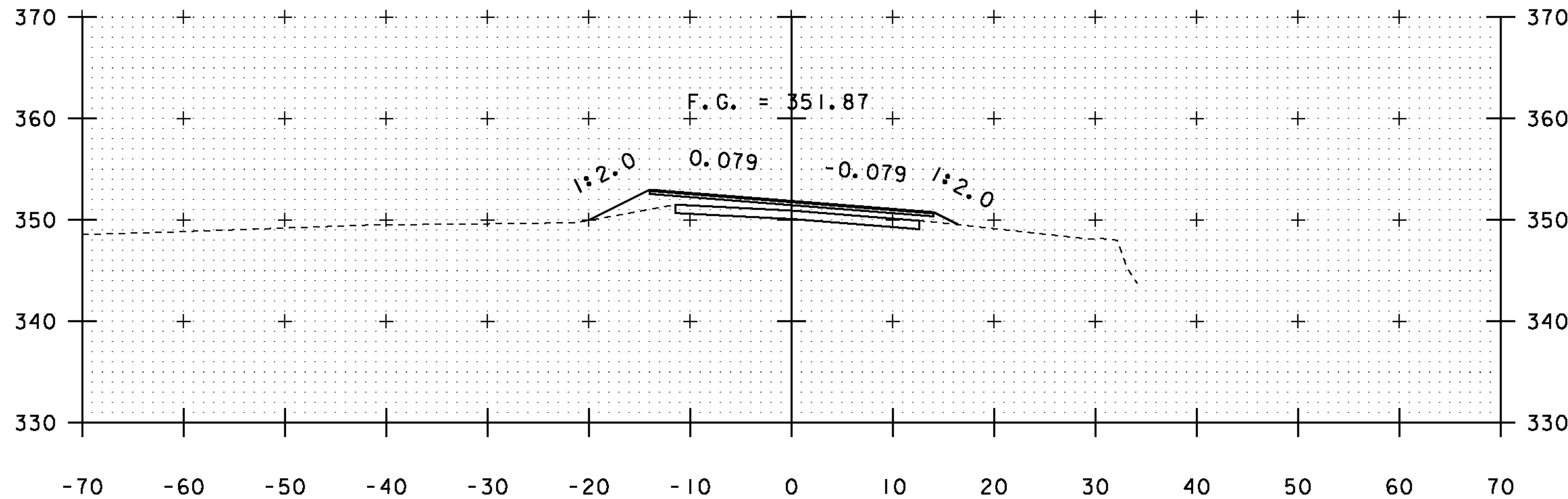


STA. 7+50 TO STA. 10+00

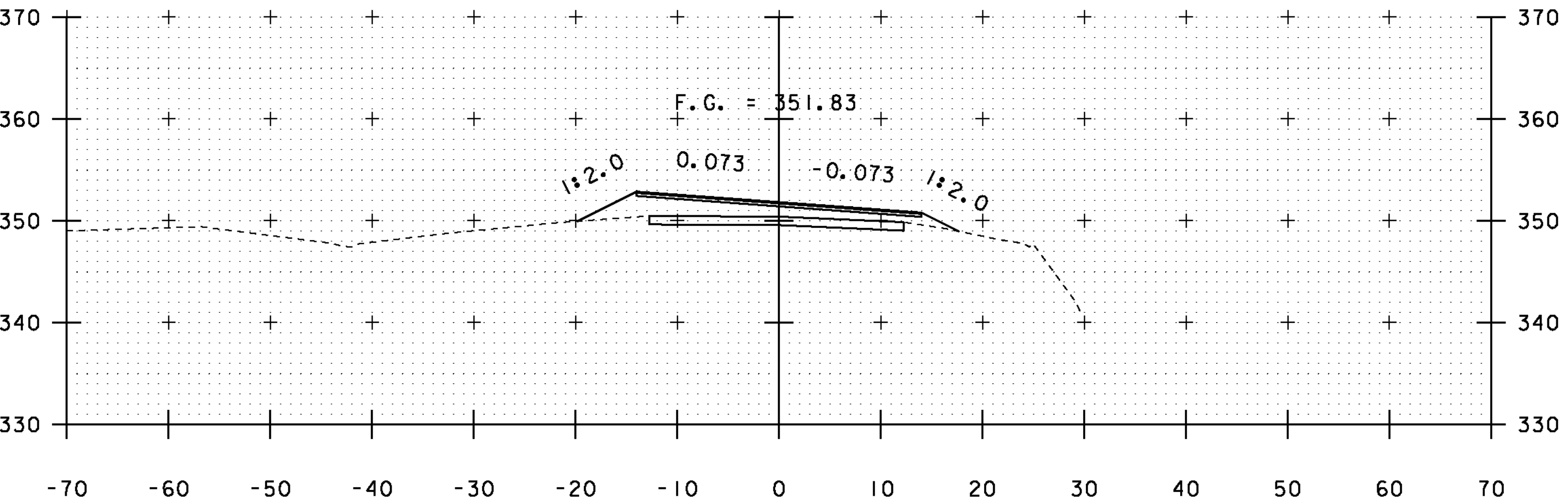
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 10	SHEET 105 OF 137



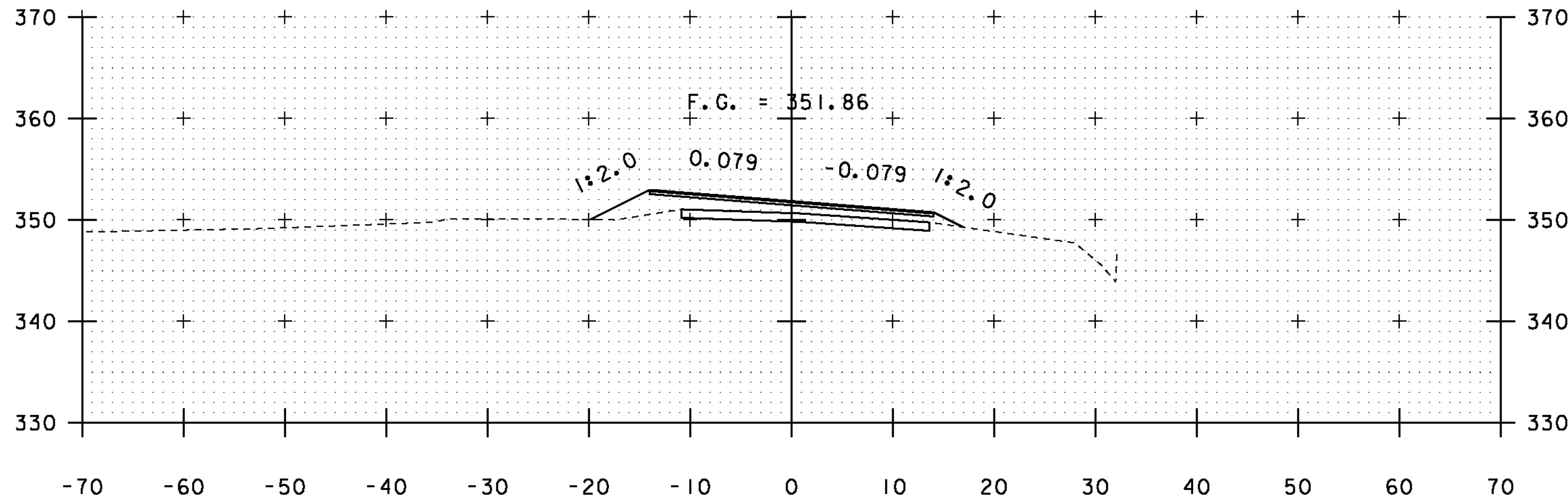
11+00



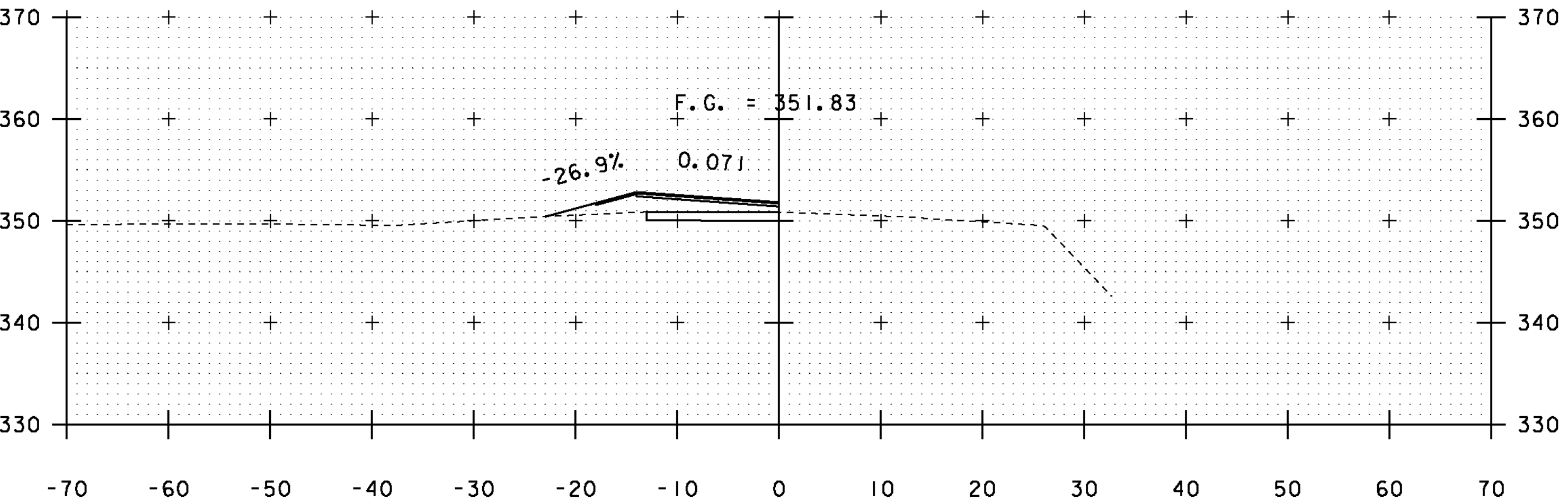
12+50



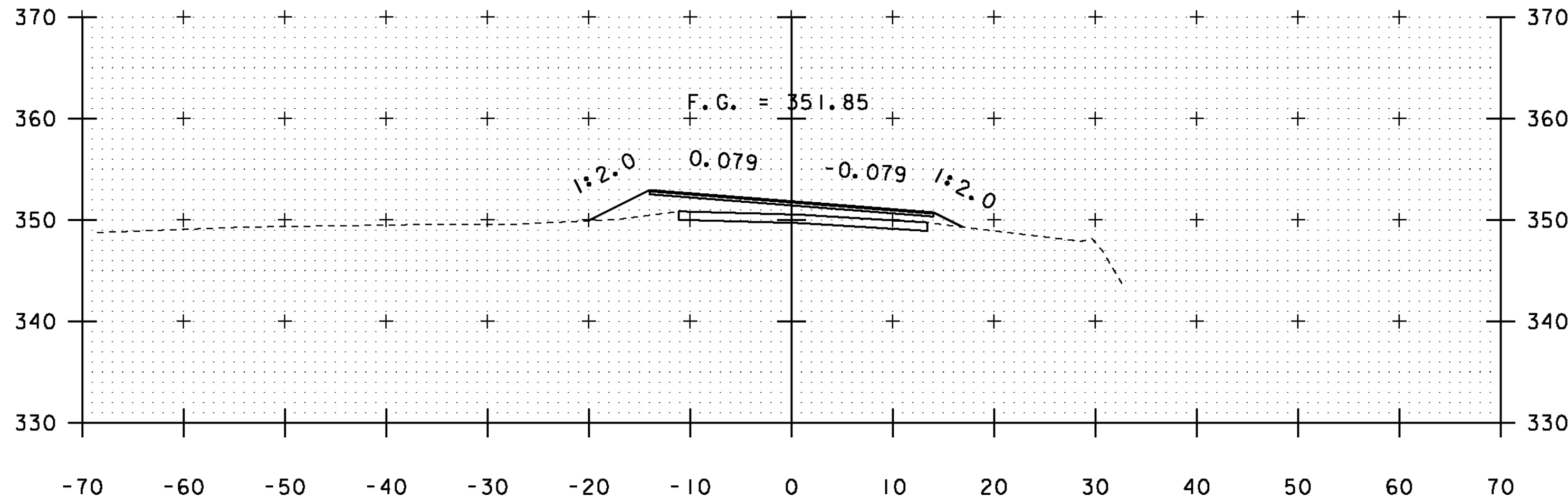
10+50



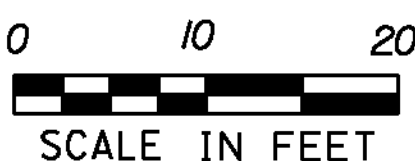
12+00



10+10
DRIVE LT

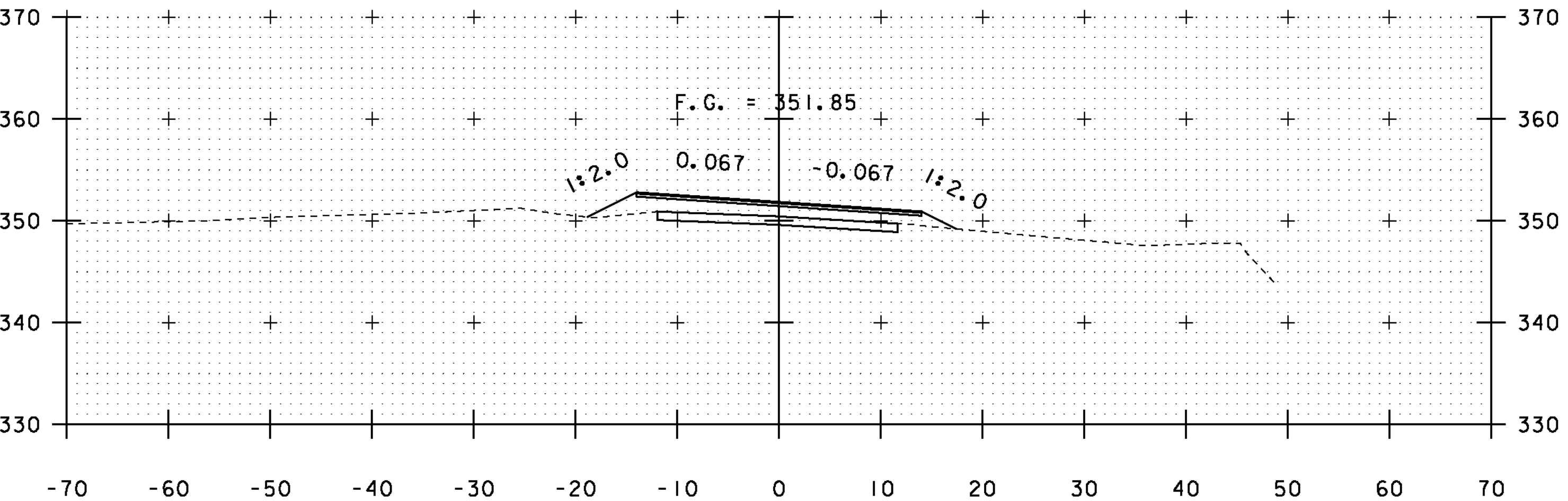


11+50

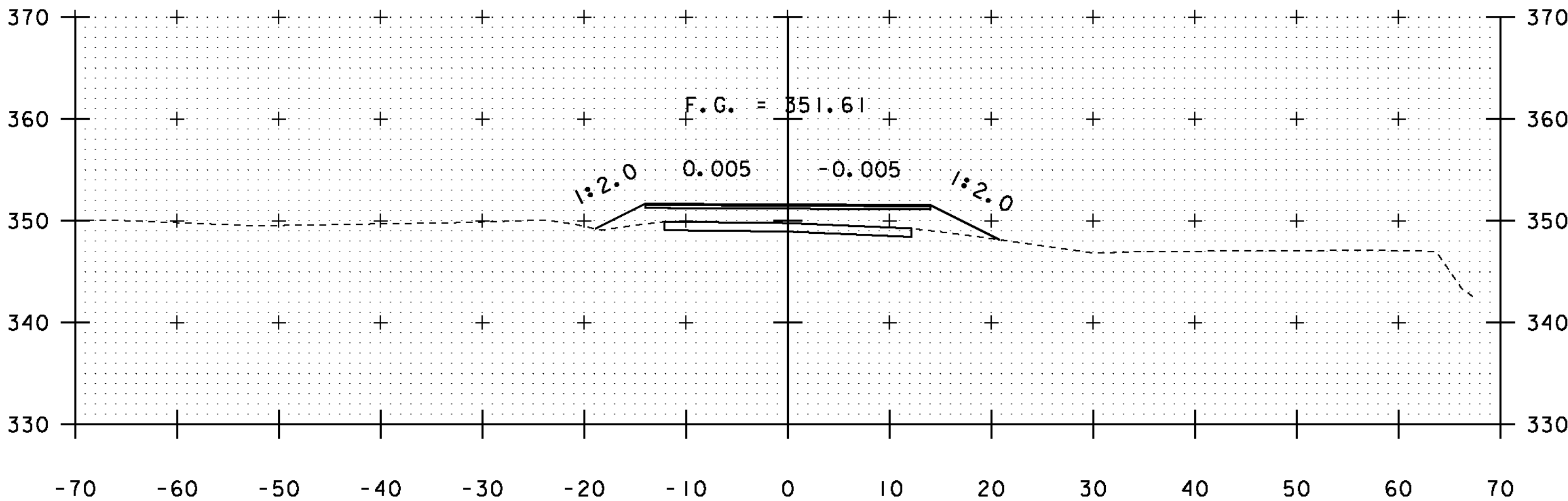


STA. 10+10 TO STA. 12+50

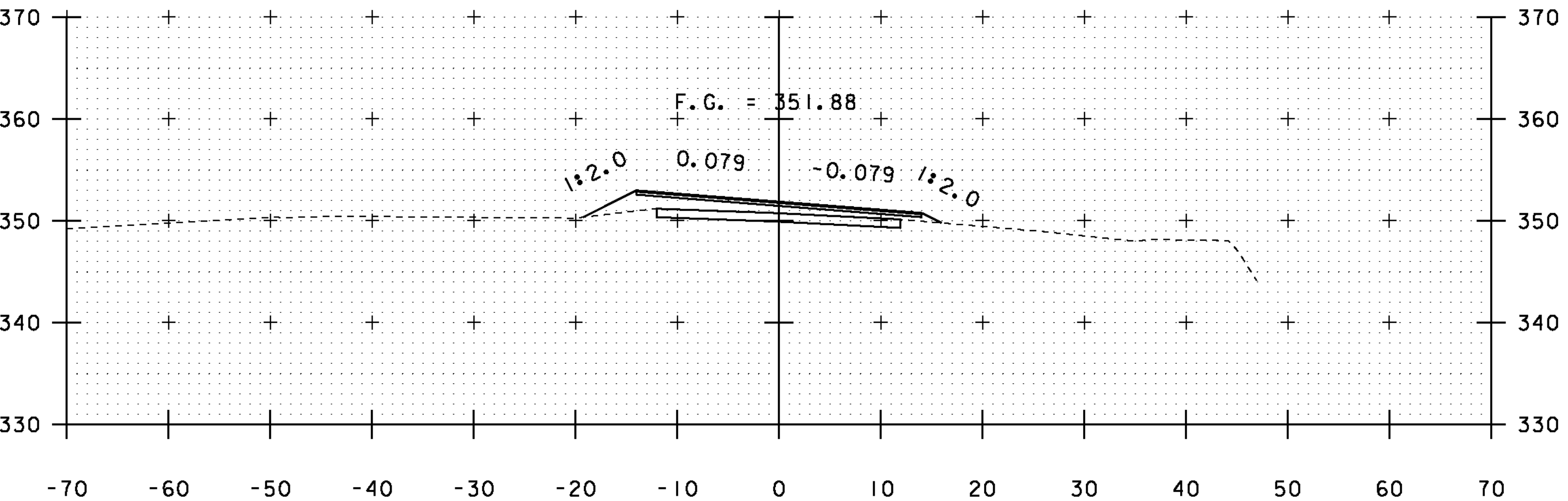
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS II	SHEET 106 OF 137



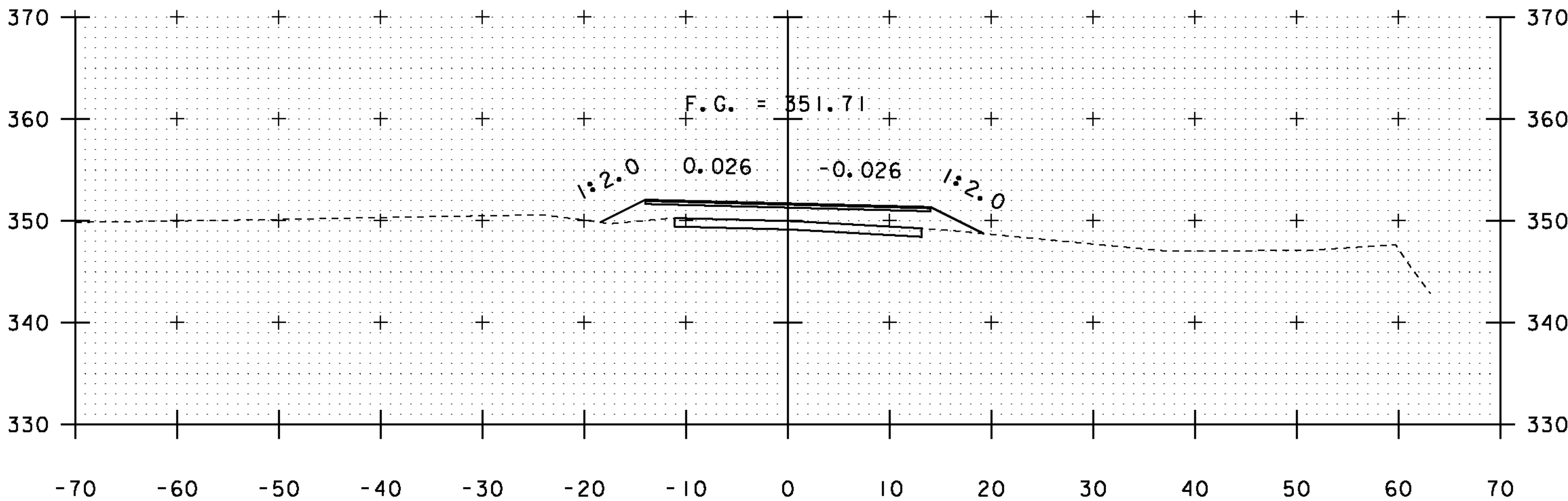
14+00



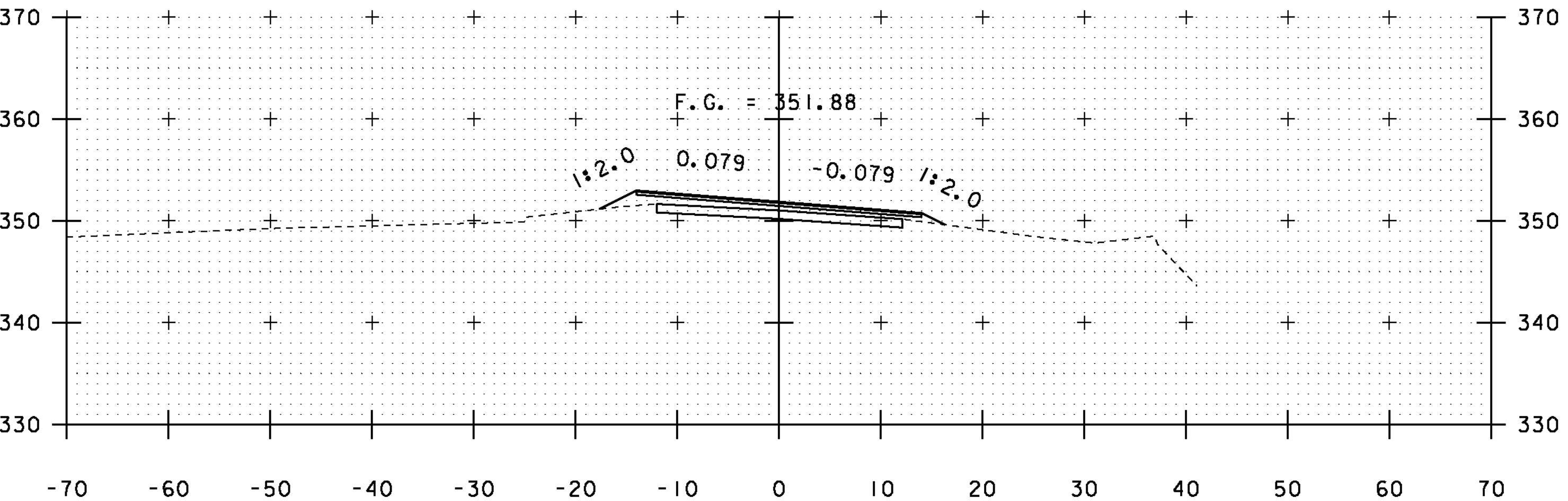
15+50



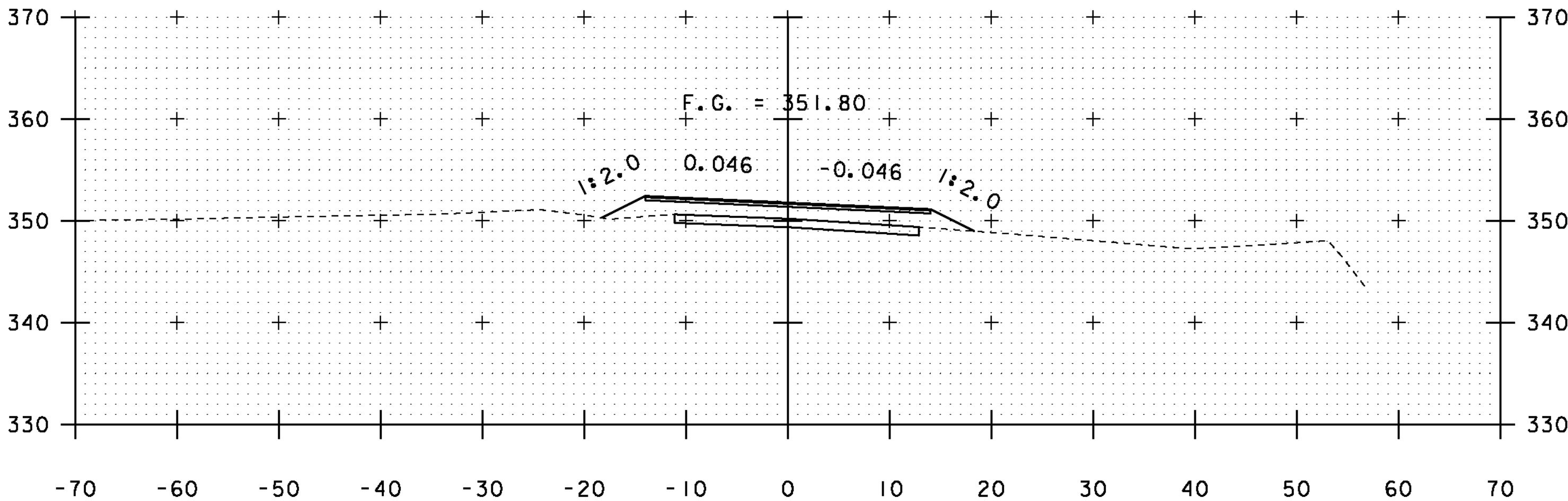
13+50



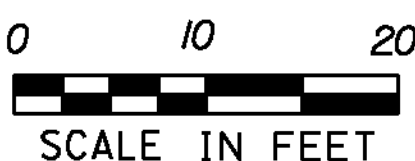
15+00



13+00

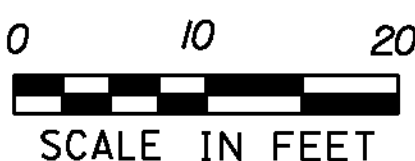
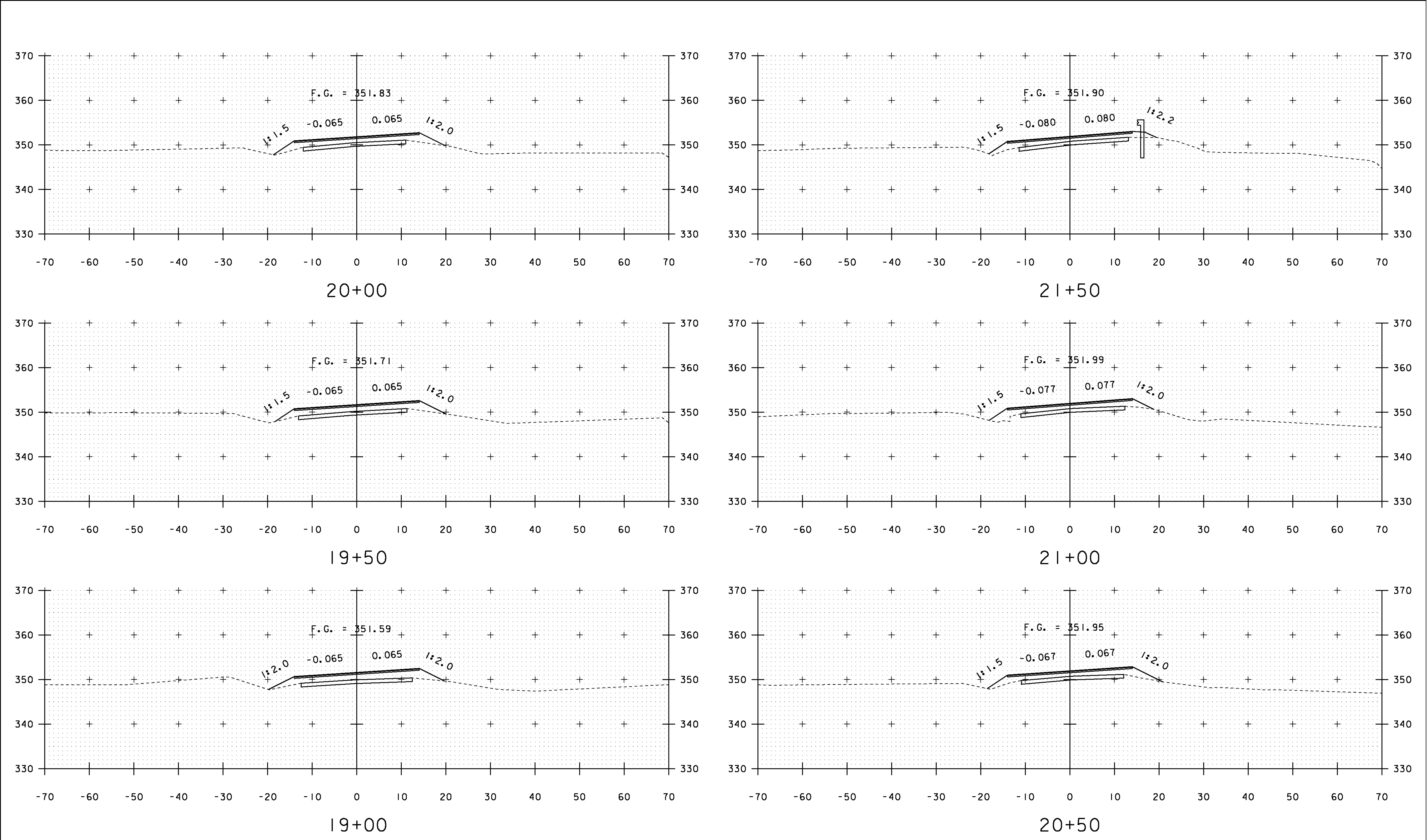


14+50



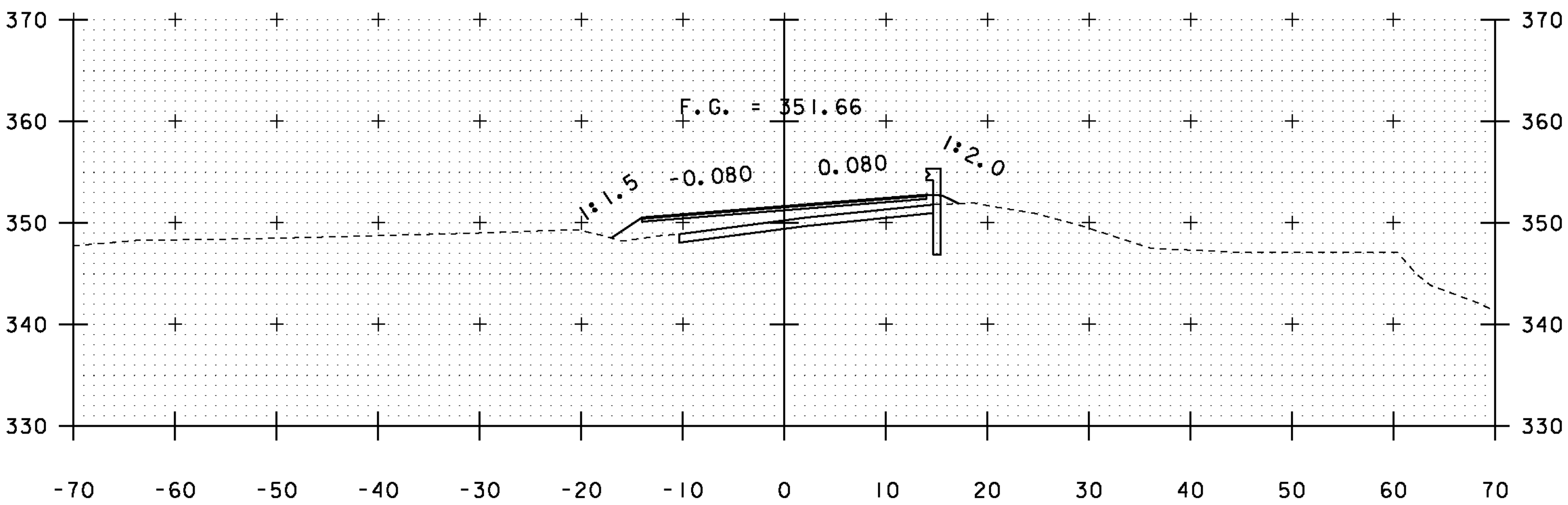
STA. 13+00 TO STA. 15+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 12	SHEET 107 OF 137

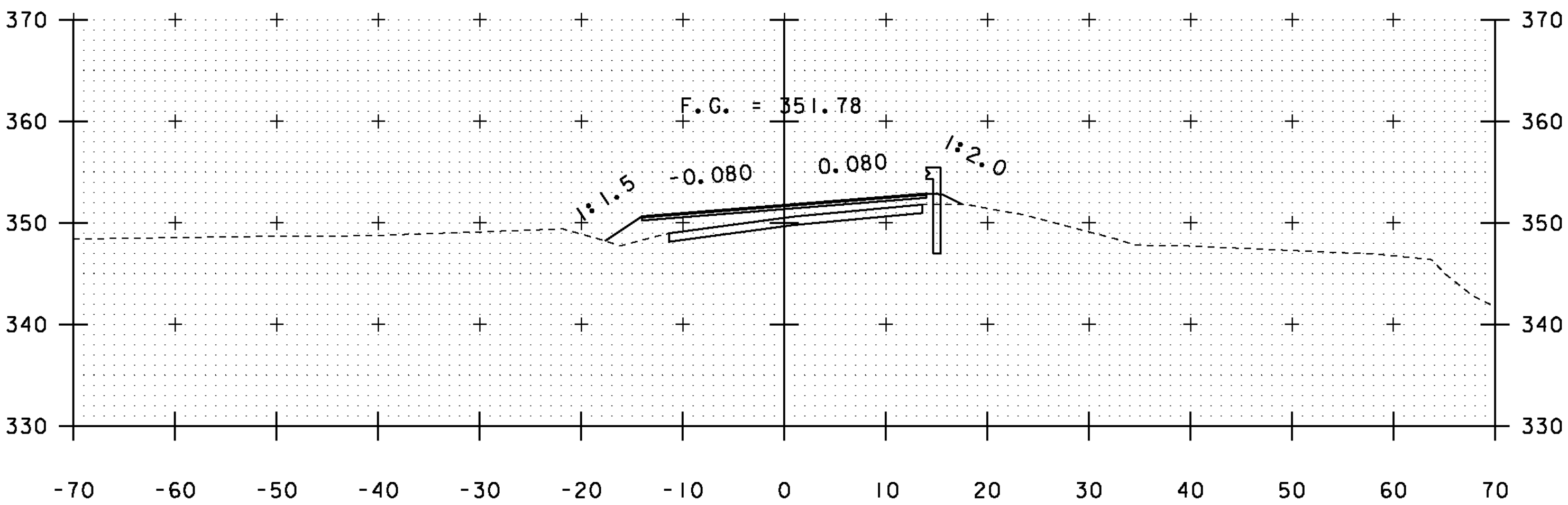


STA. 19+00 TO STA. 21+50

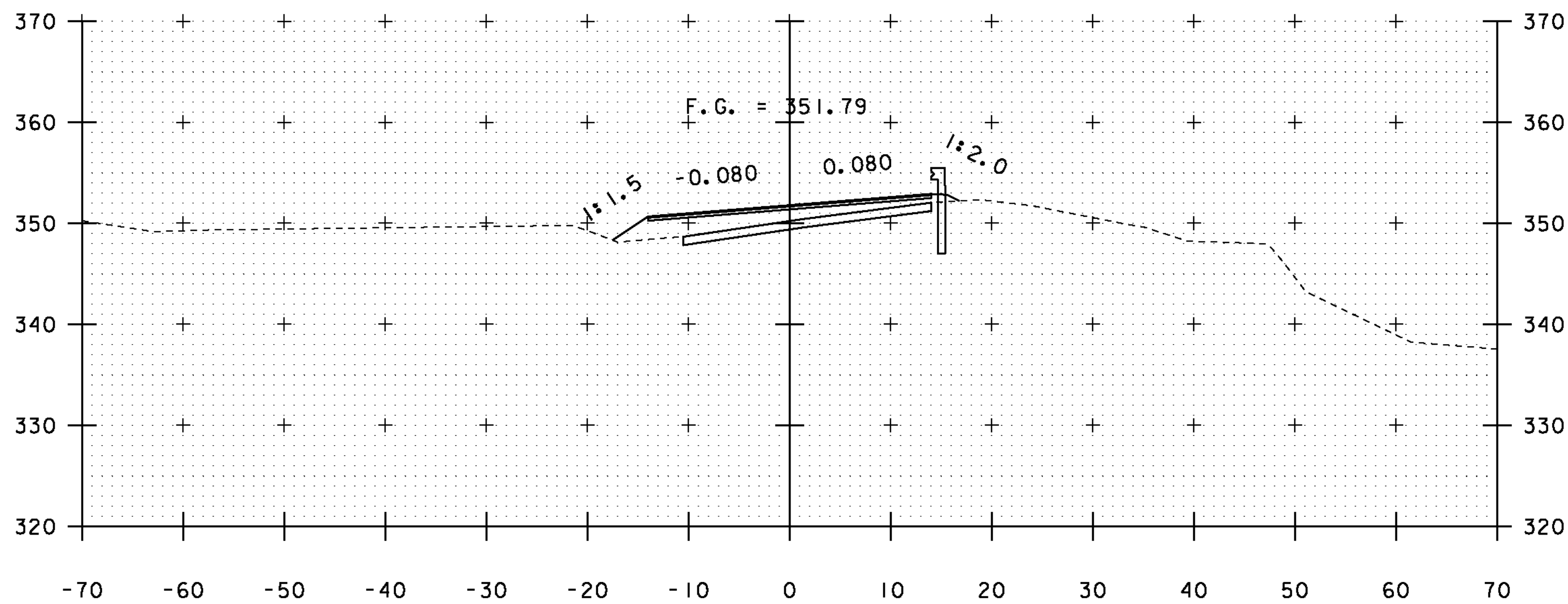
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 14	SHEET 109 OF 137



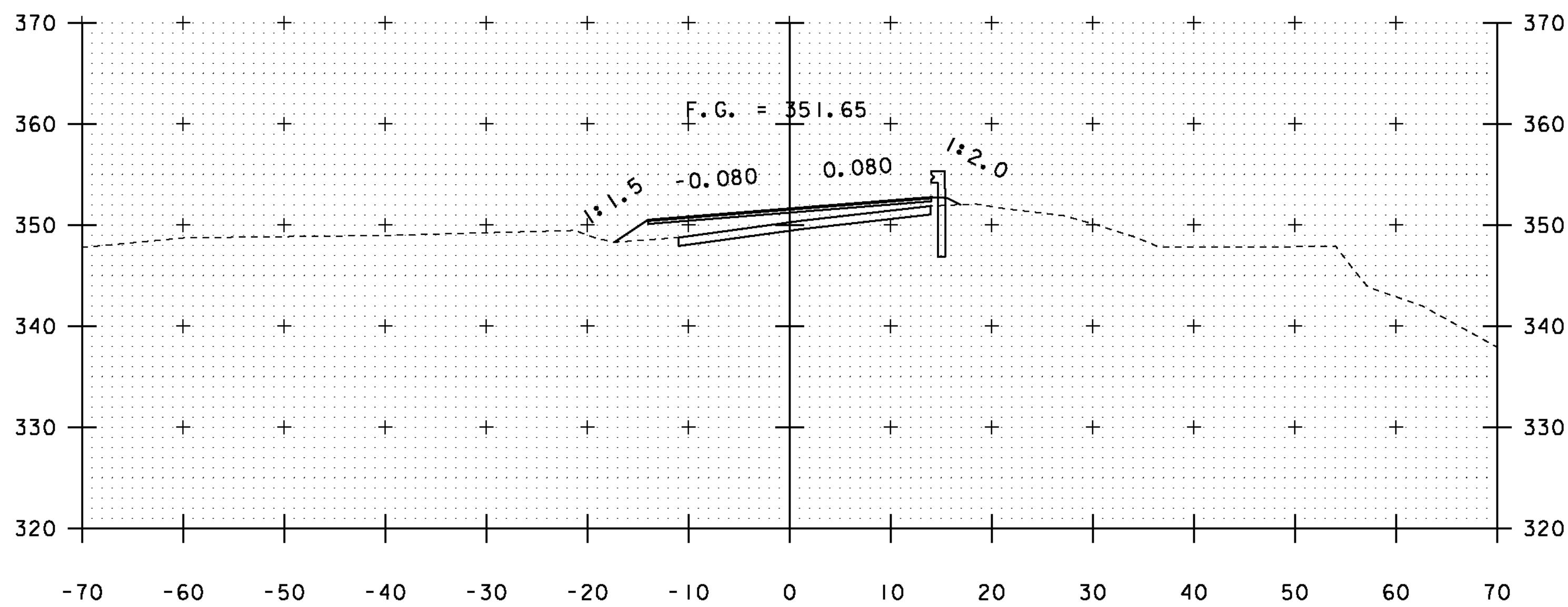
22+50



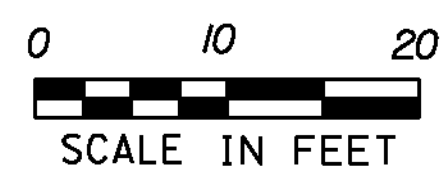
22+00



23+50

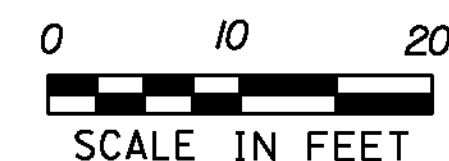
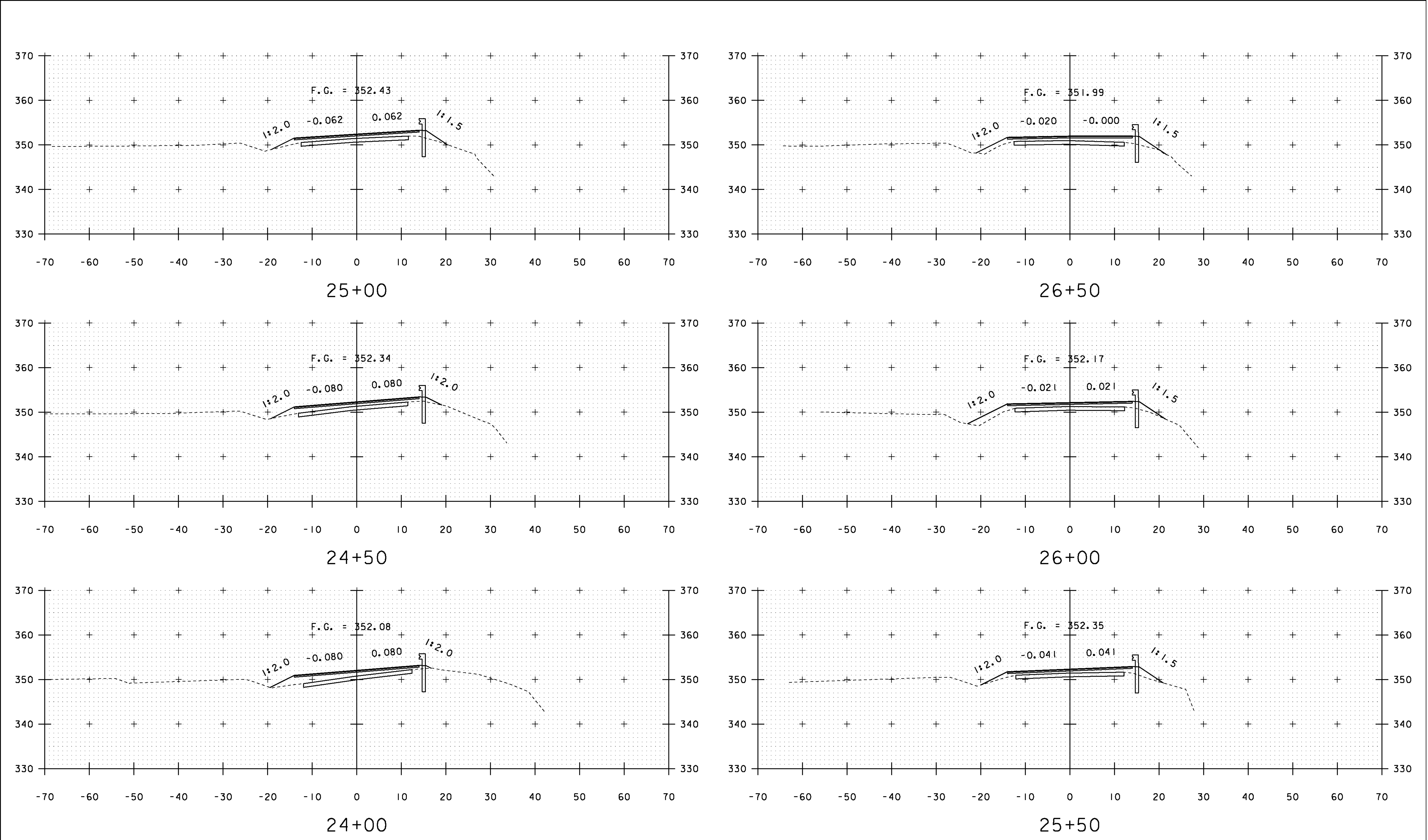


23+00



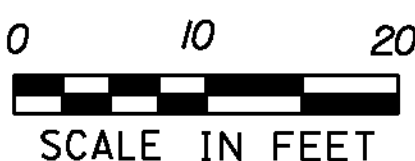
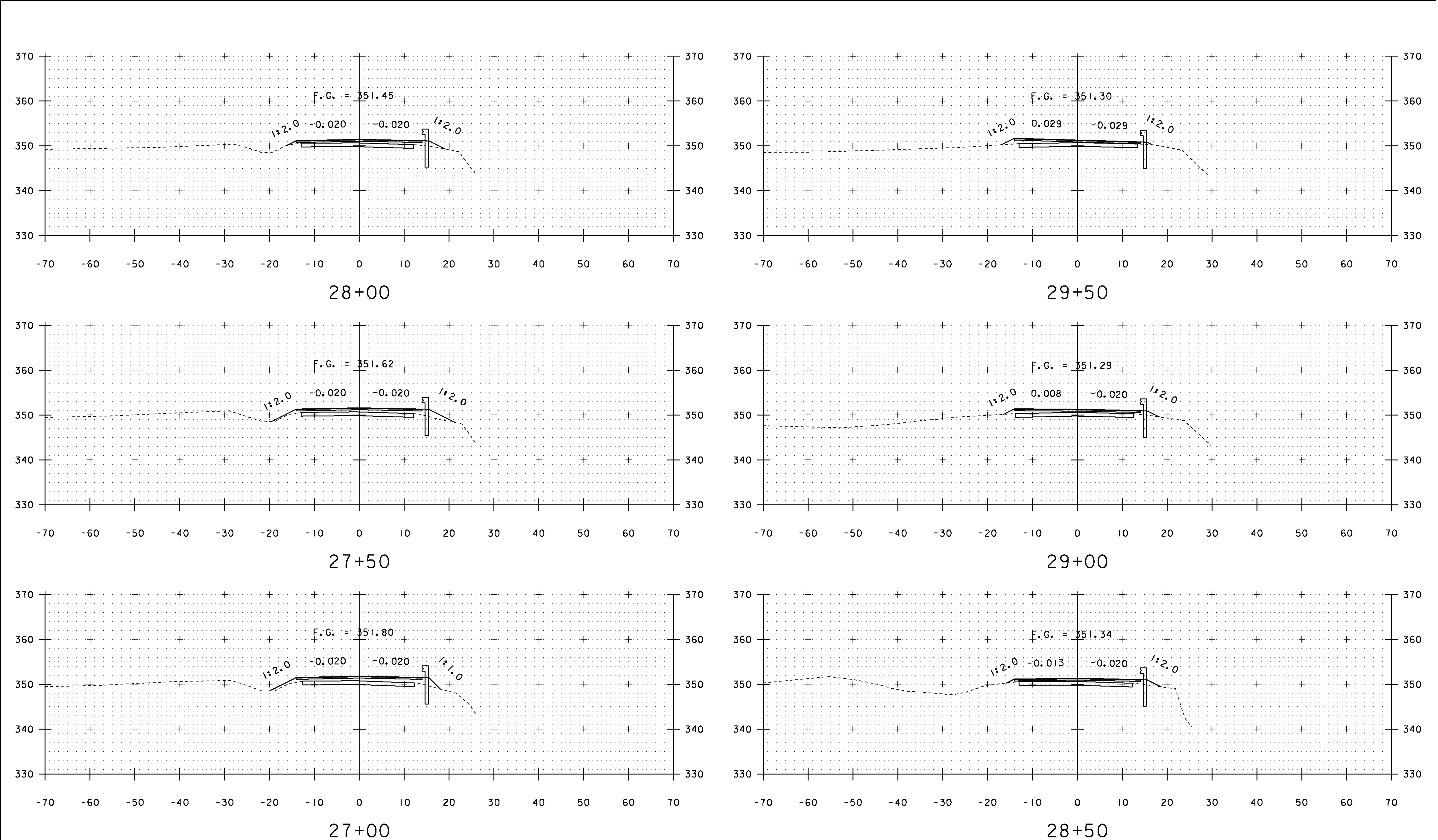
STA. 22+00 TO STA. 23+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 15	SHEET 110 OF 137



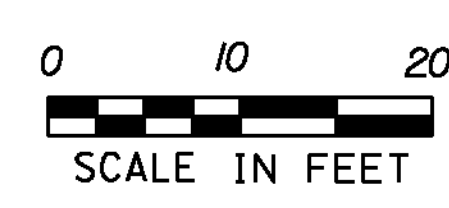
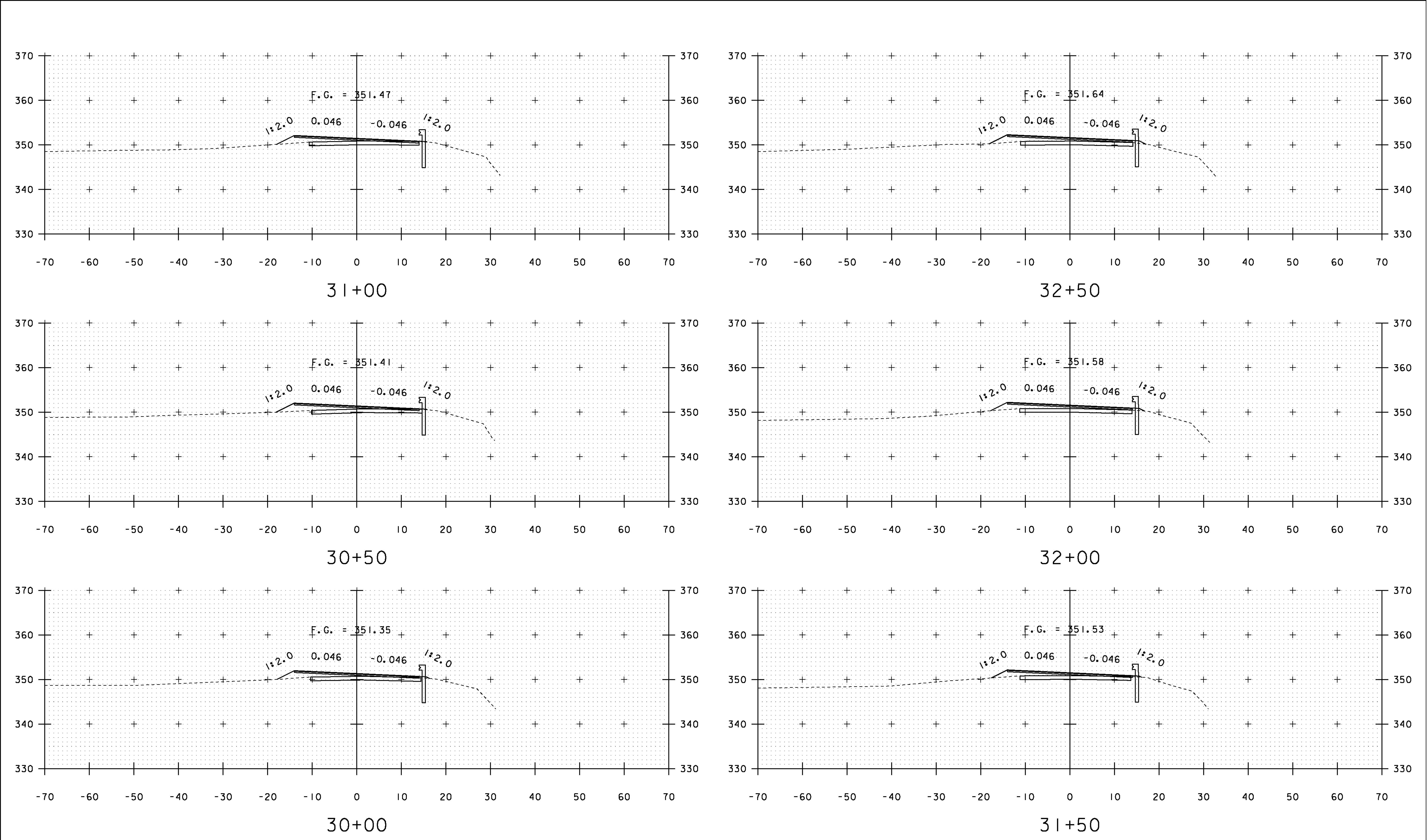
STA. 24+00 TO STA. 26+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 16	SHEET III OF 137



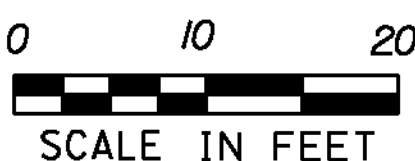
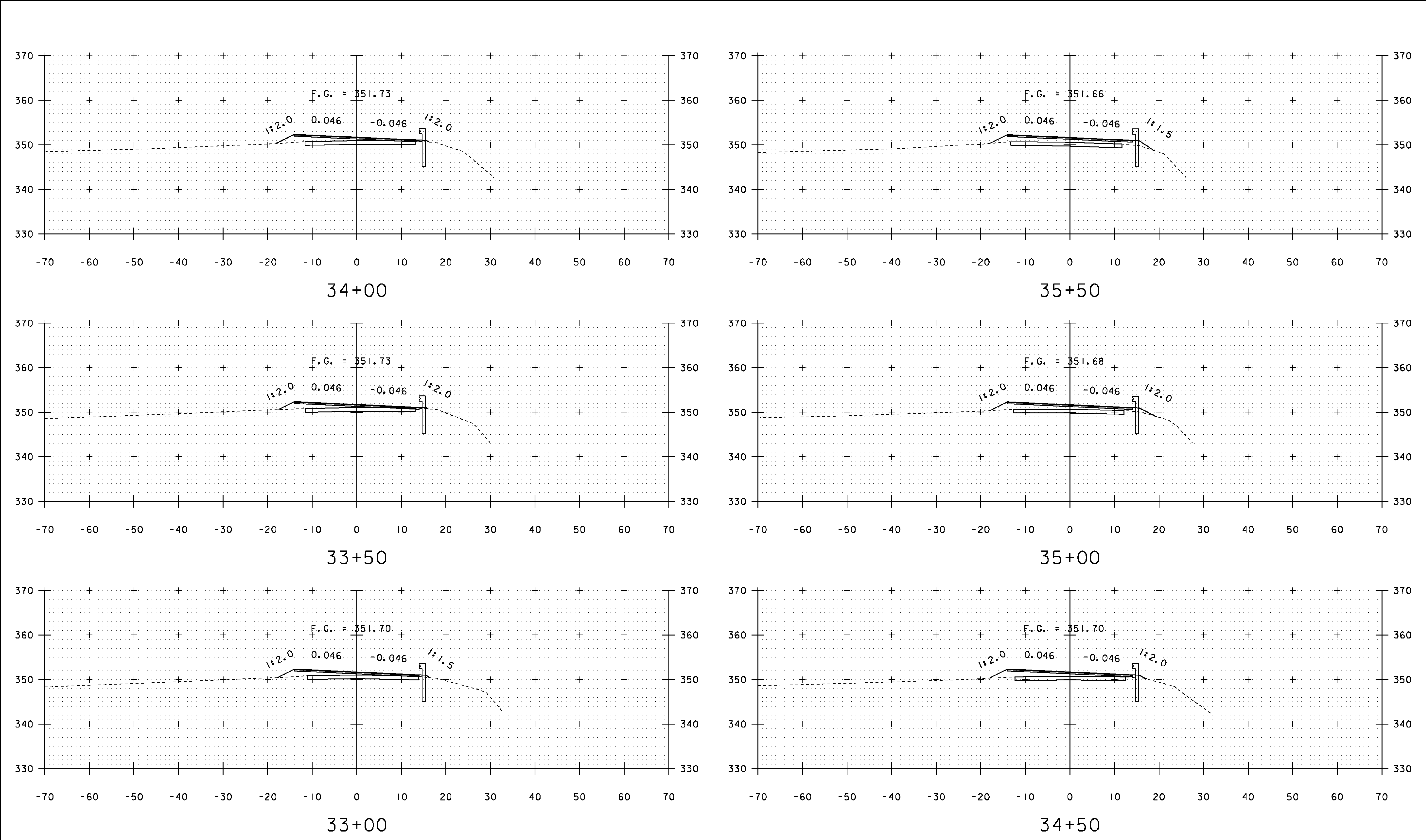
STA. 27+00 TO STA. 29+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 17	SHEET 112 OF 137



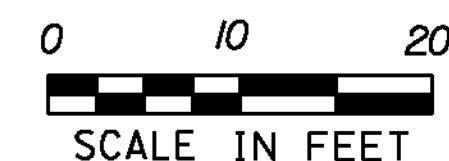
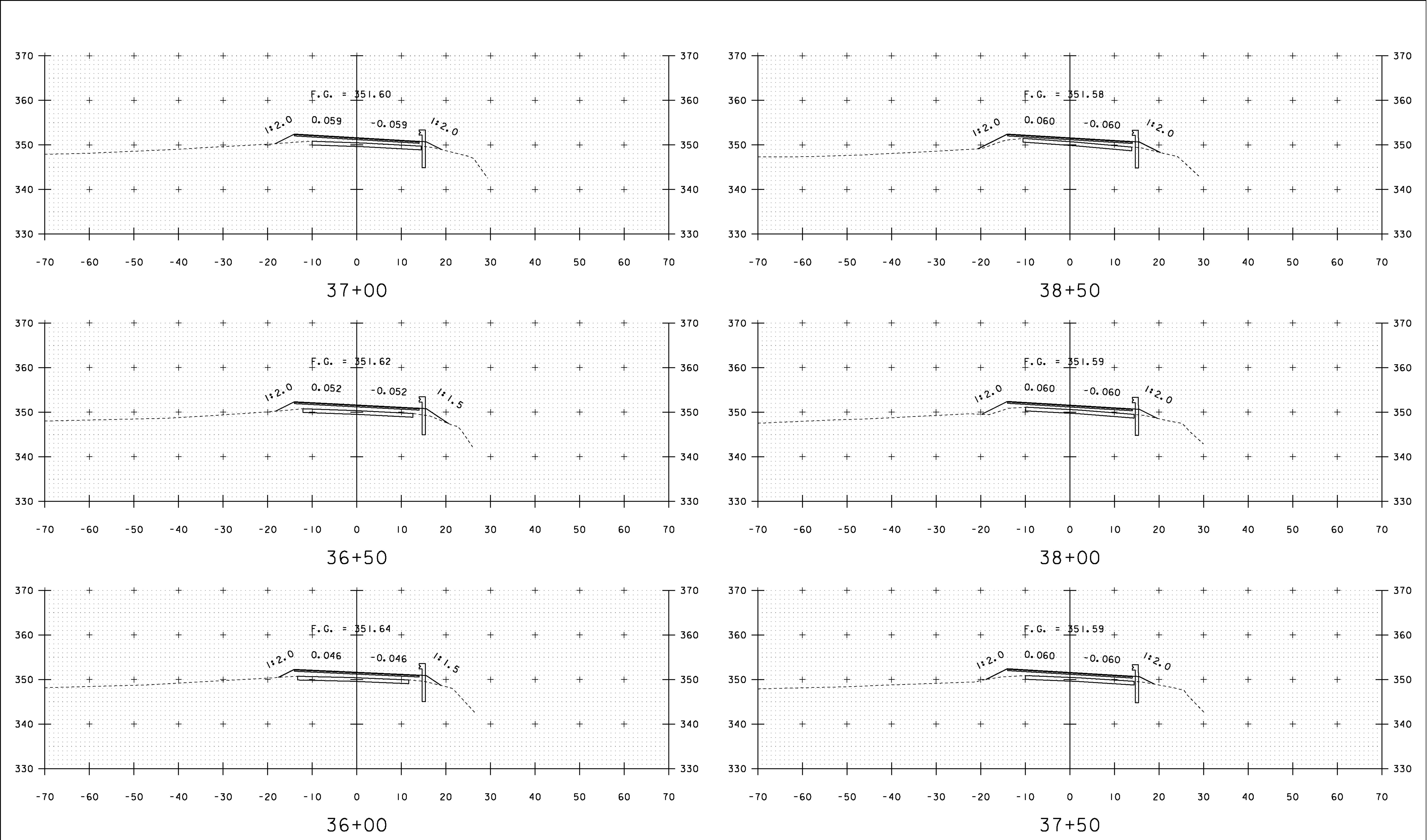
STA. 30+00 TO STA. 32+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 18	SHEET 113 OF 137



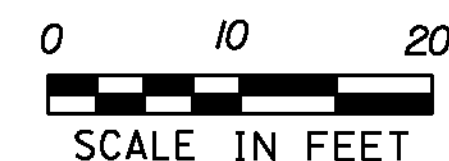
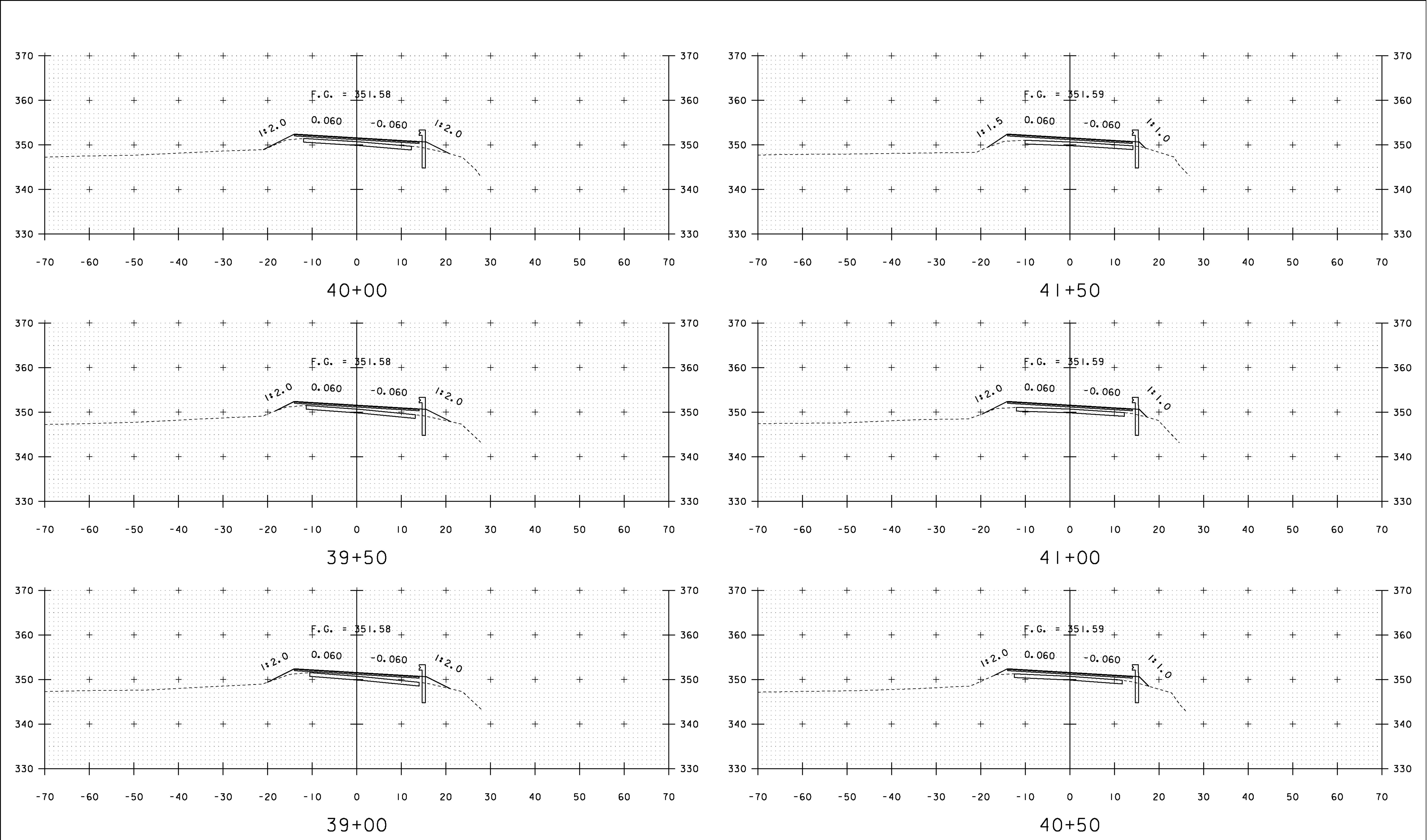
STA. 33+00 TO STA. 35+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 19	SHEET 114 OF 137



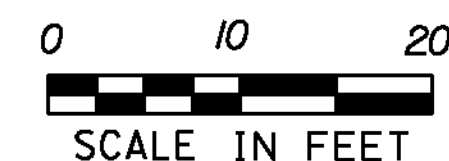
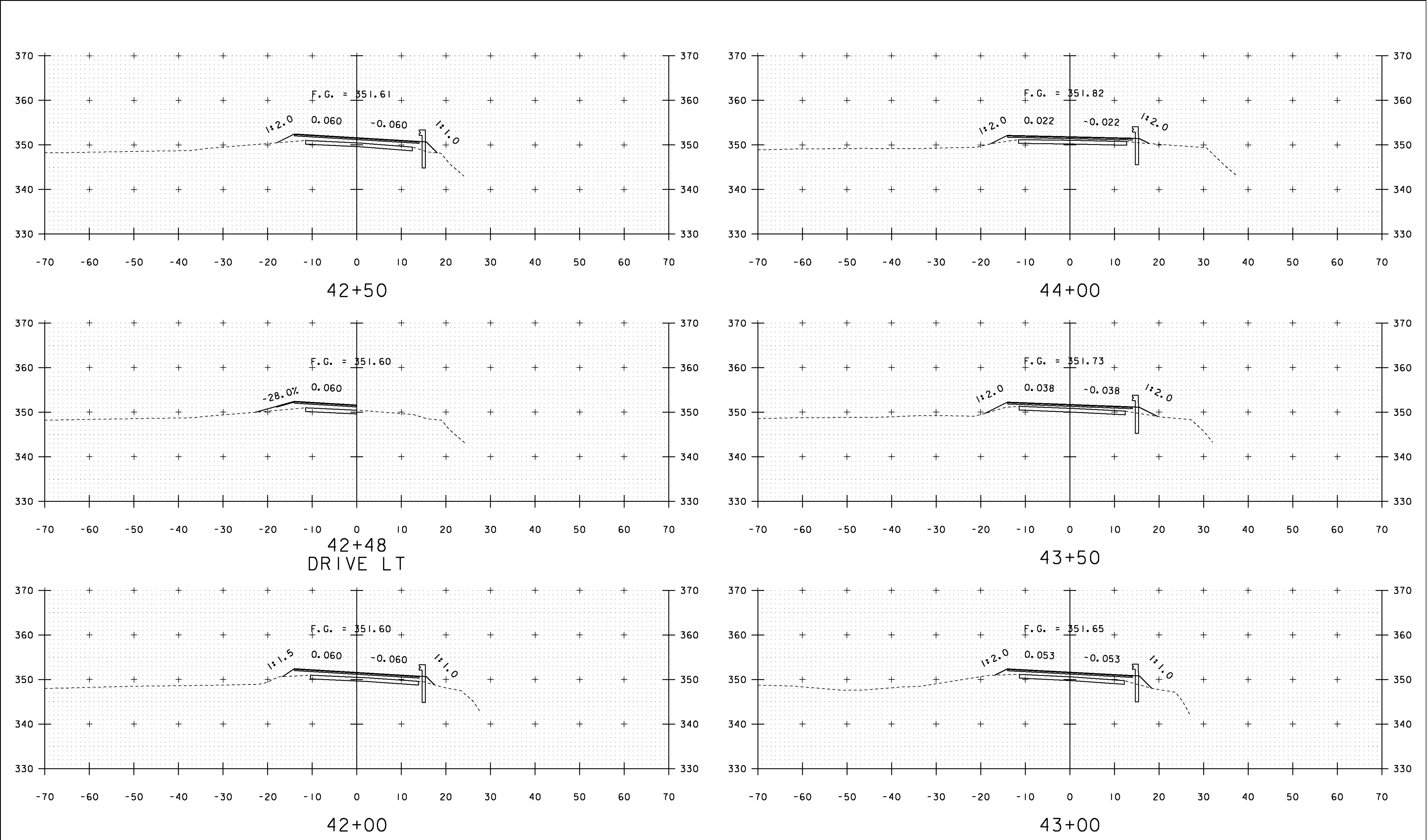
STA. 36+00 TO STA. 38+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 20	SHEET 115 OF 137



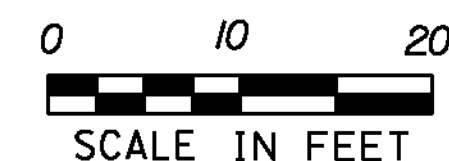
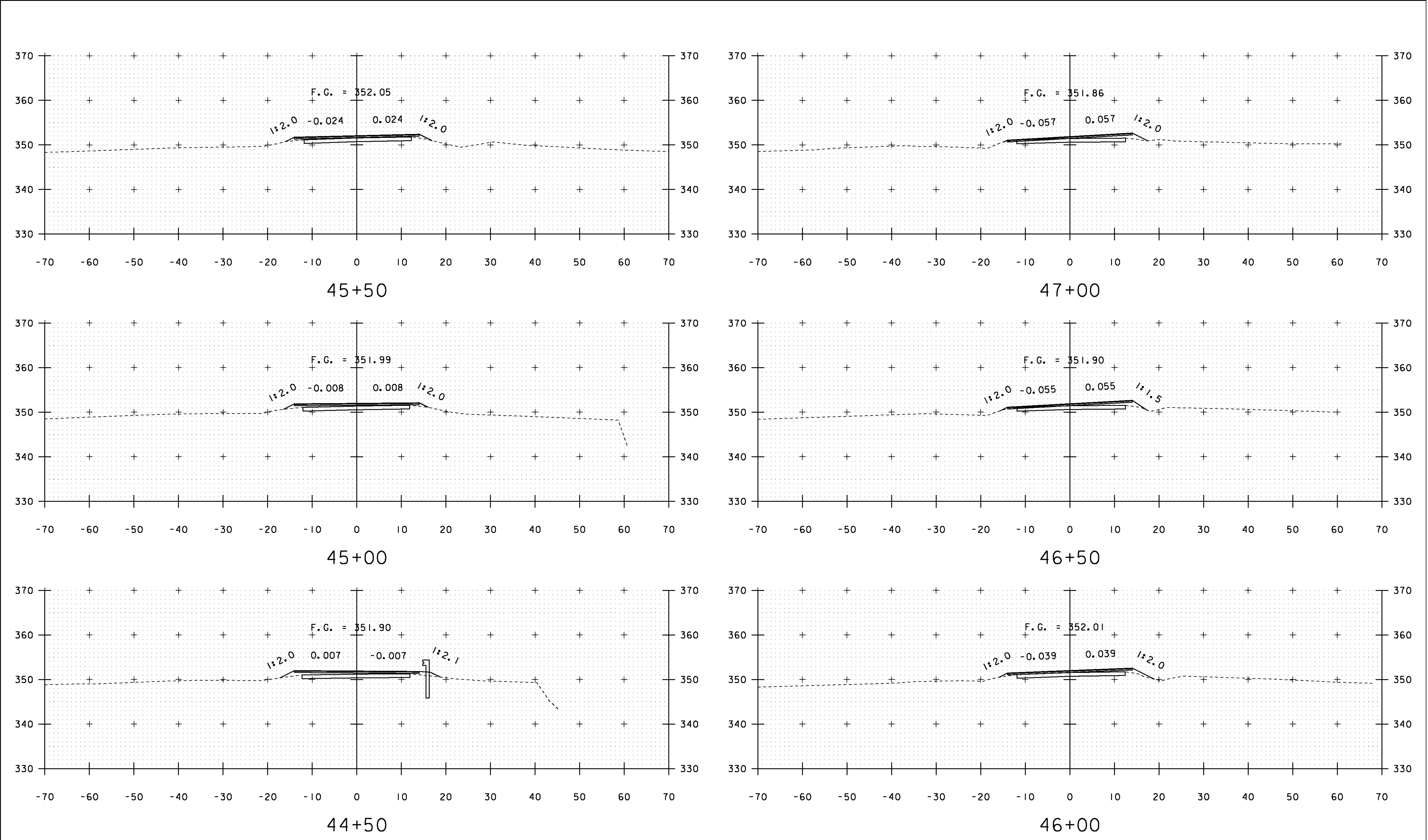
STA. 39+00 TO STA. 41+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 21	SHEET 116 OF 137



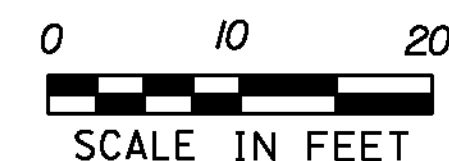
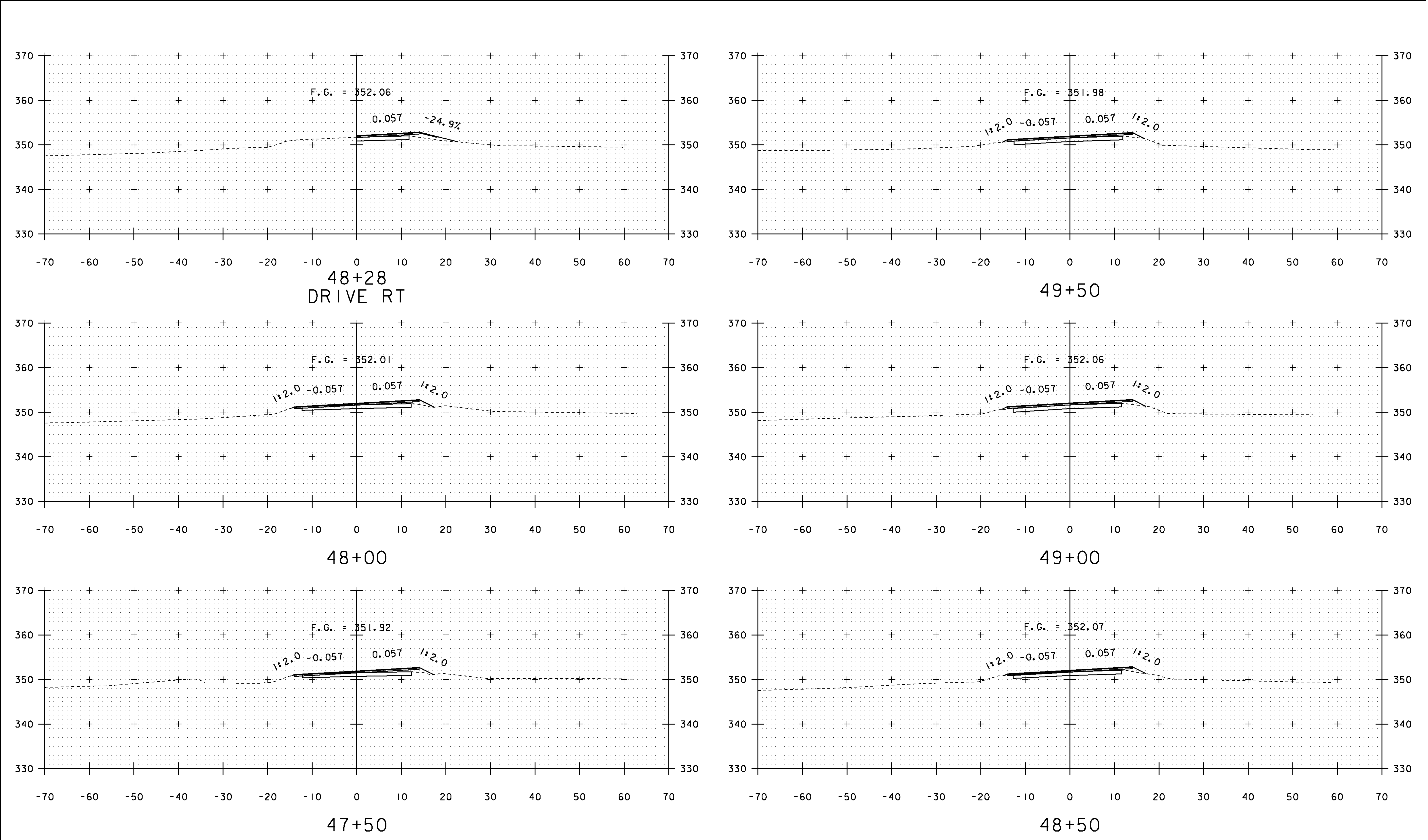
STA. 42+00 TO STA. 44+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 22	SHEET 117 OF 137



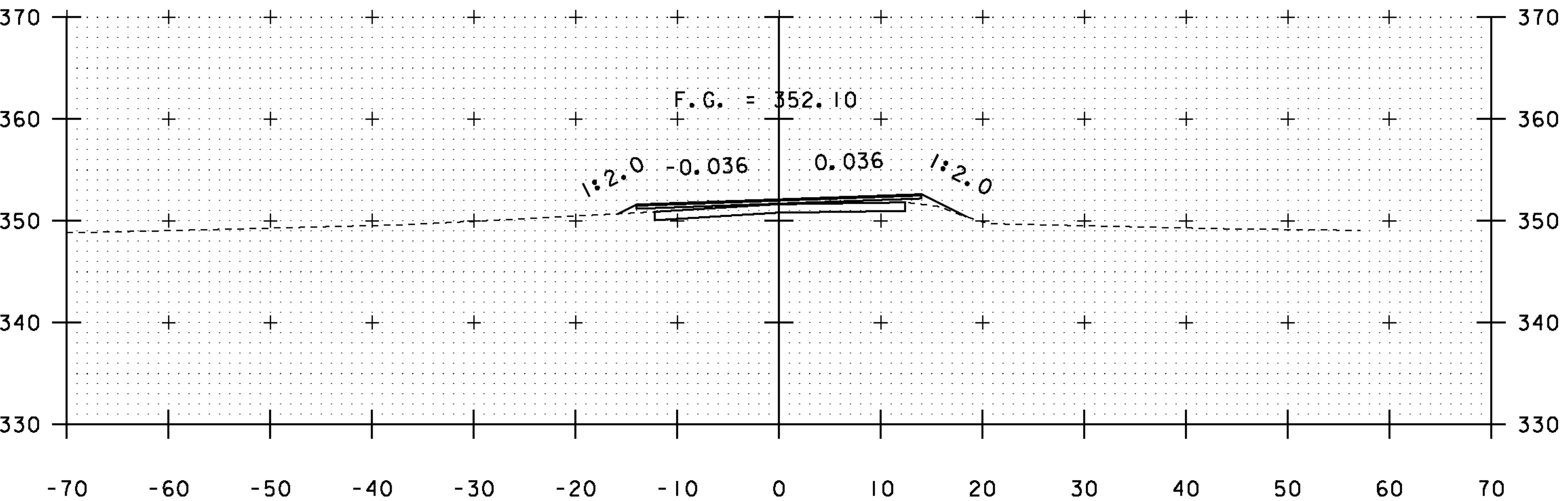
STA. 44+50 TO STA. 47+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 23	SHEET 118 OF 137

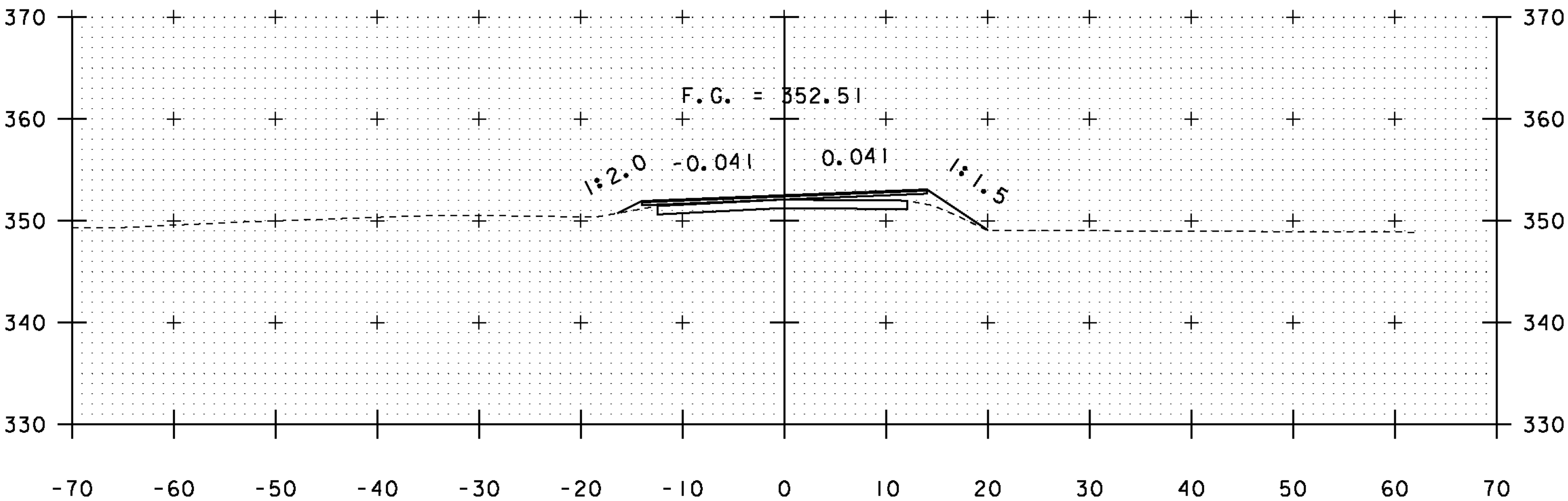


STA. 47+50 TO STA. 49+50

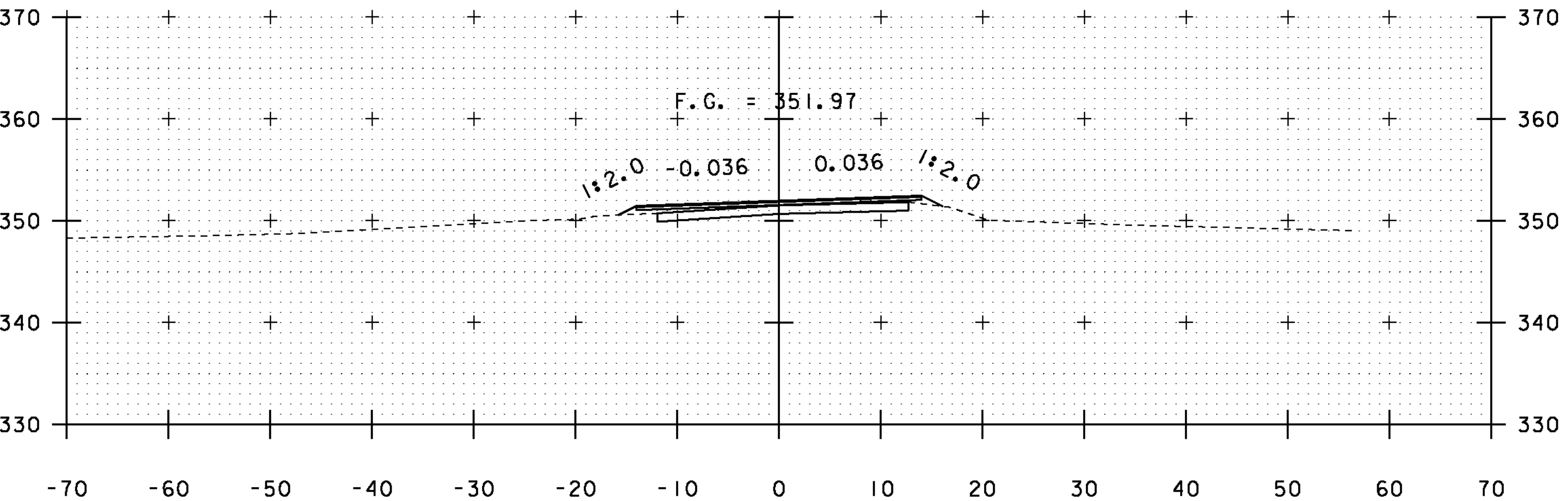
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PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 24	SHEET 119 OF 137



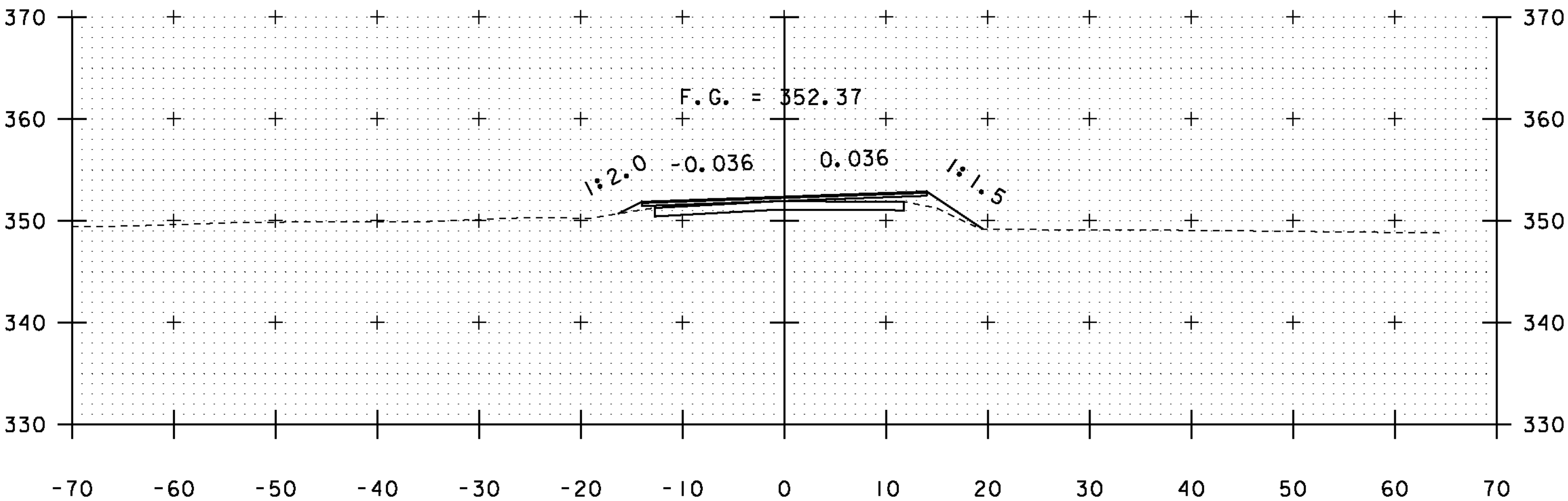
51+00



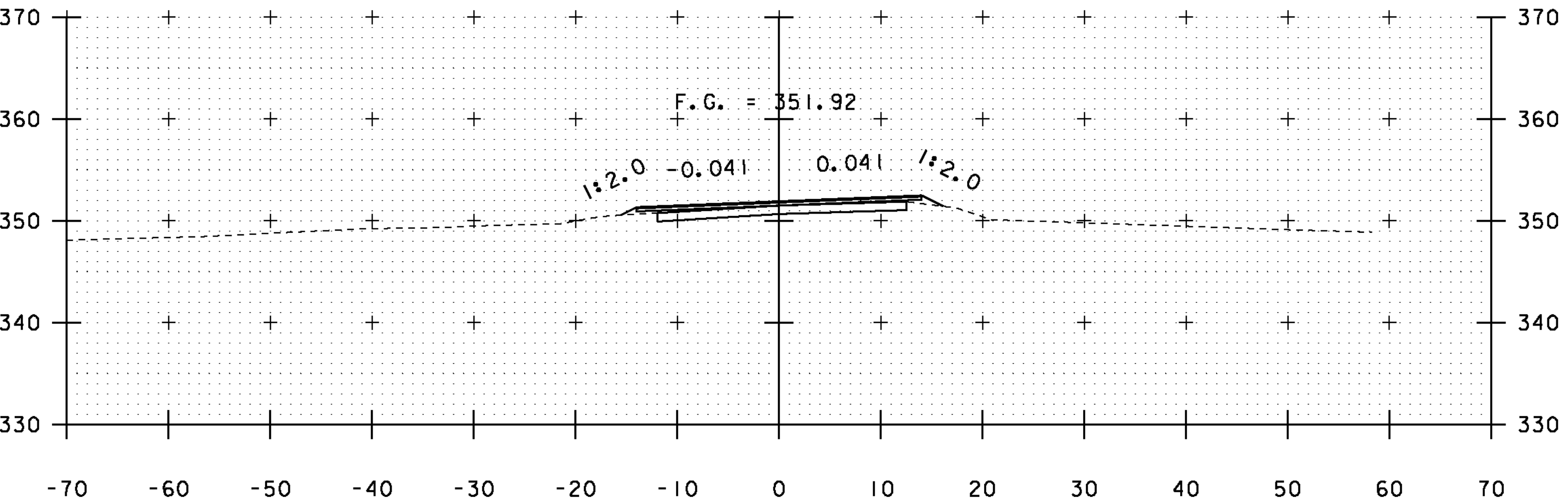
52+50



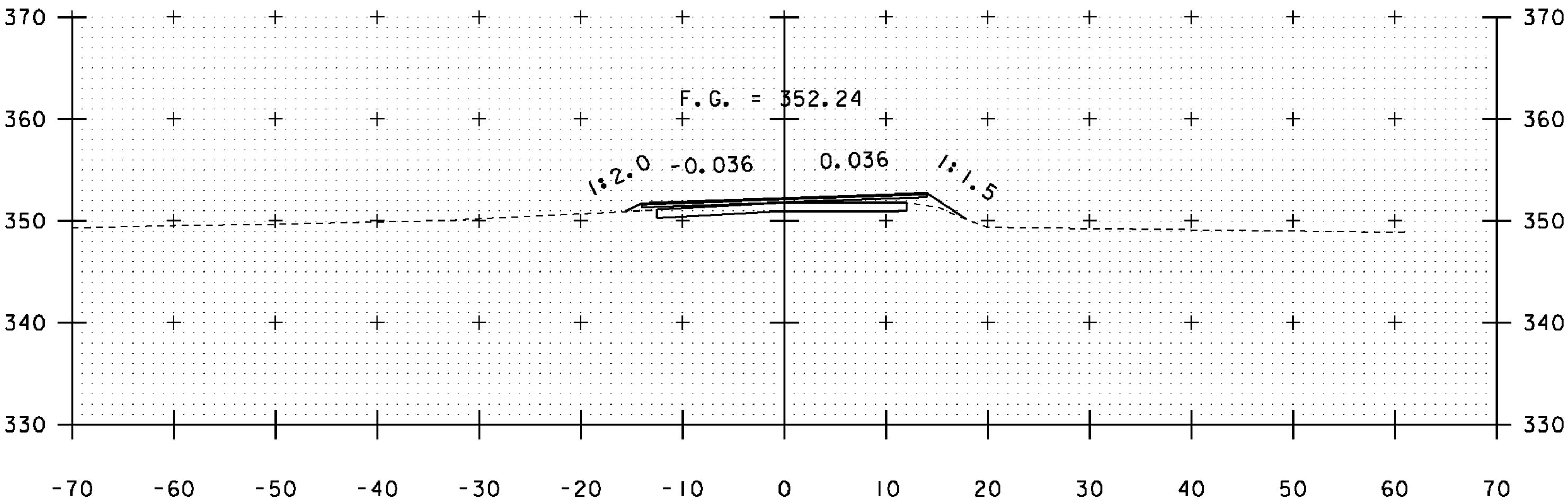
50+50



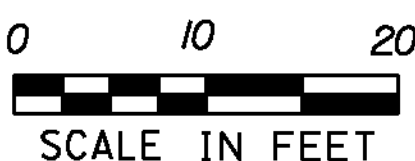
52+00



50+00

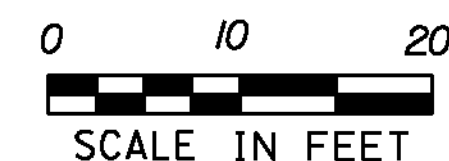
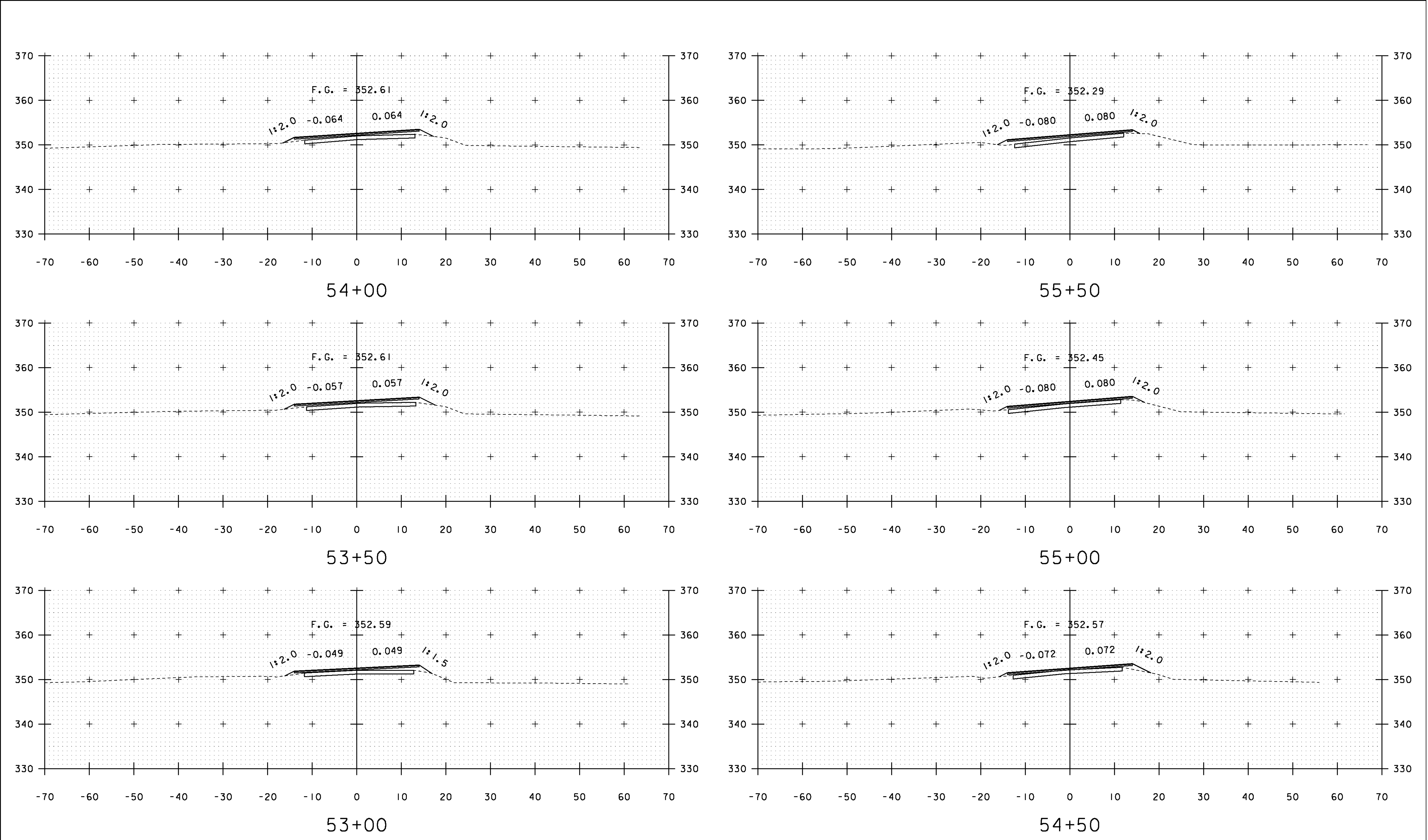


51+50



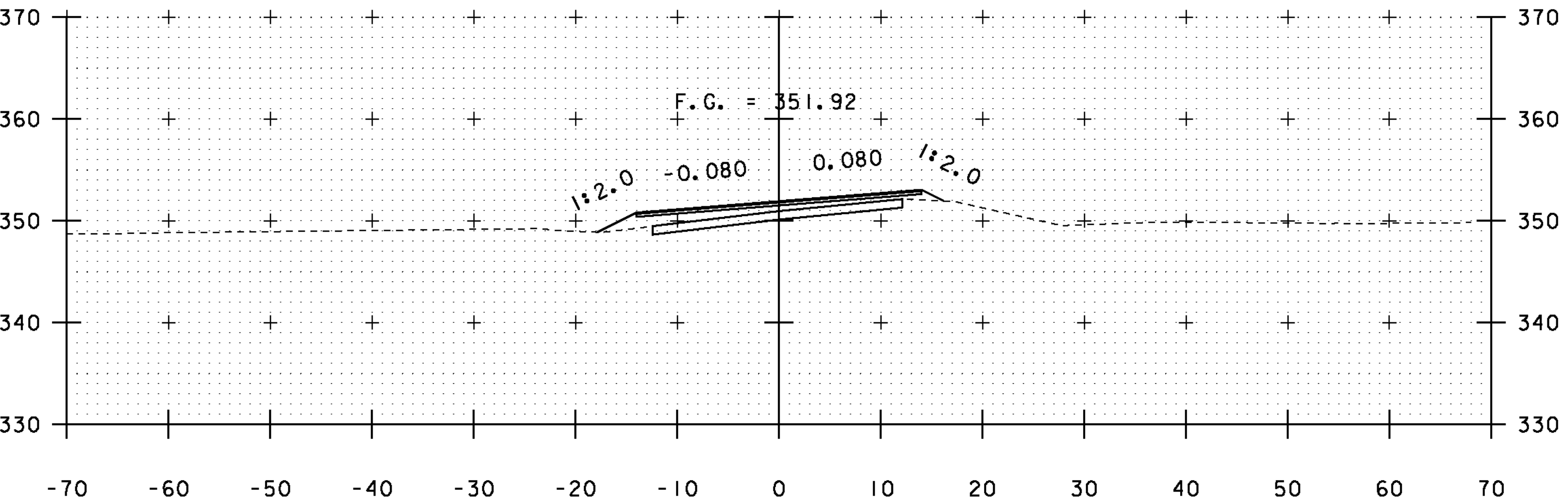
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 25	SHEET 120 OF 137

STA. 50+00 TO STA. 52+50

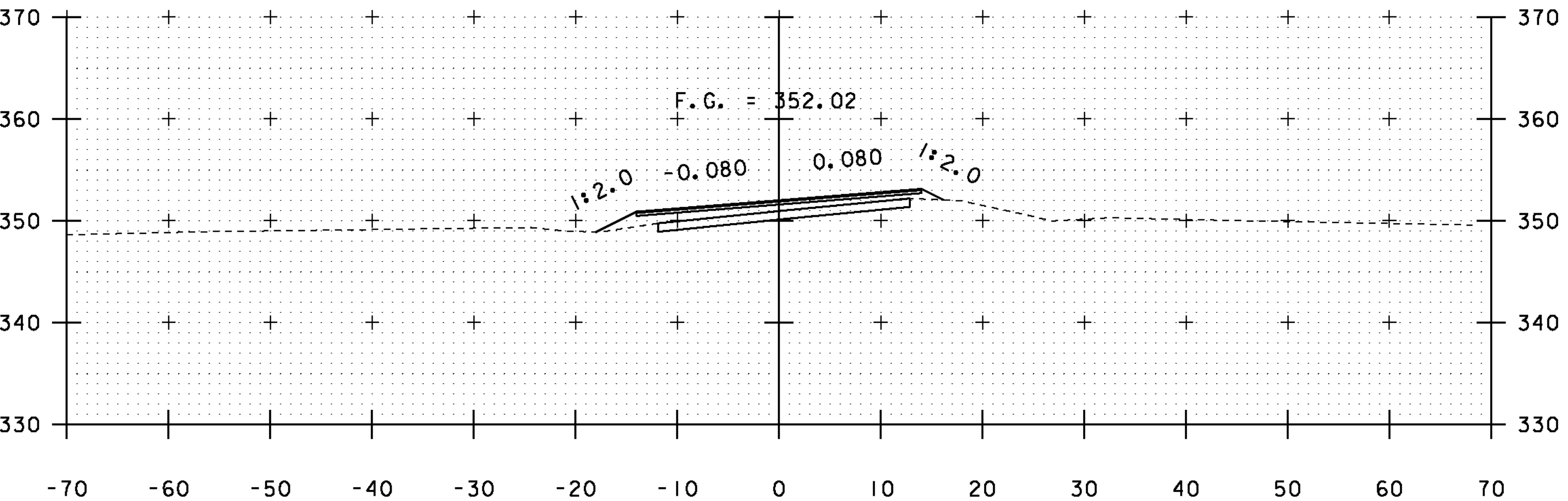


STA. 53+00 TO STA. 55+50

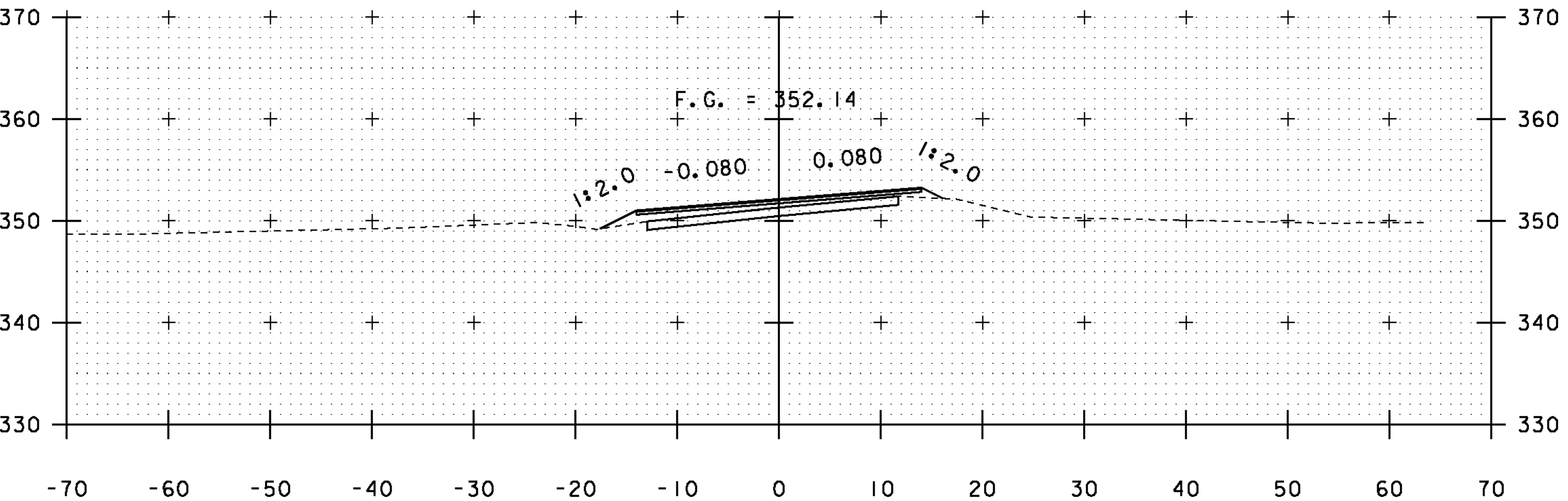
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 26	SHEET 121 OF 137



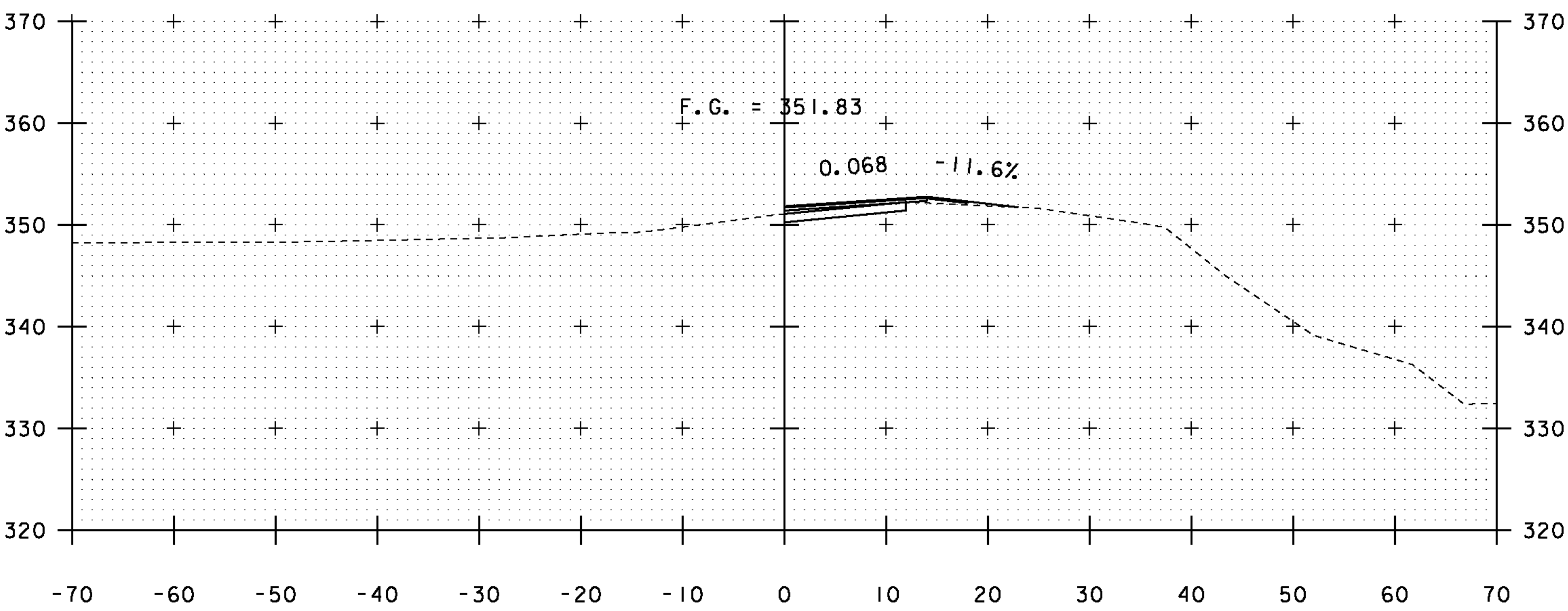
57+00



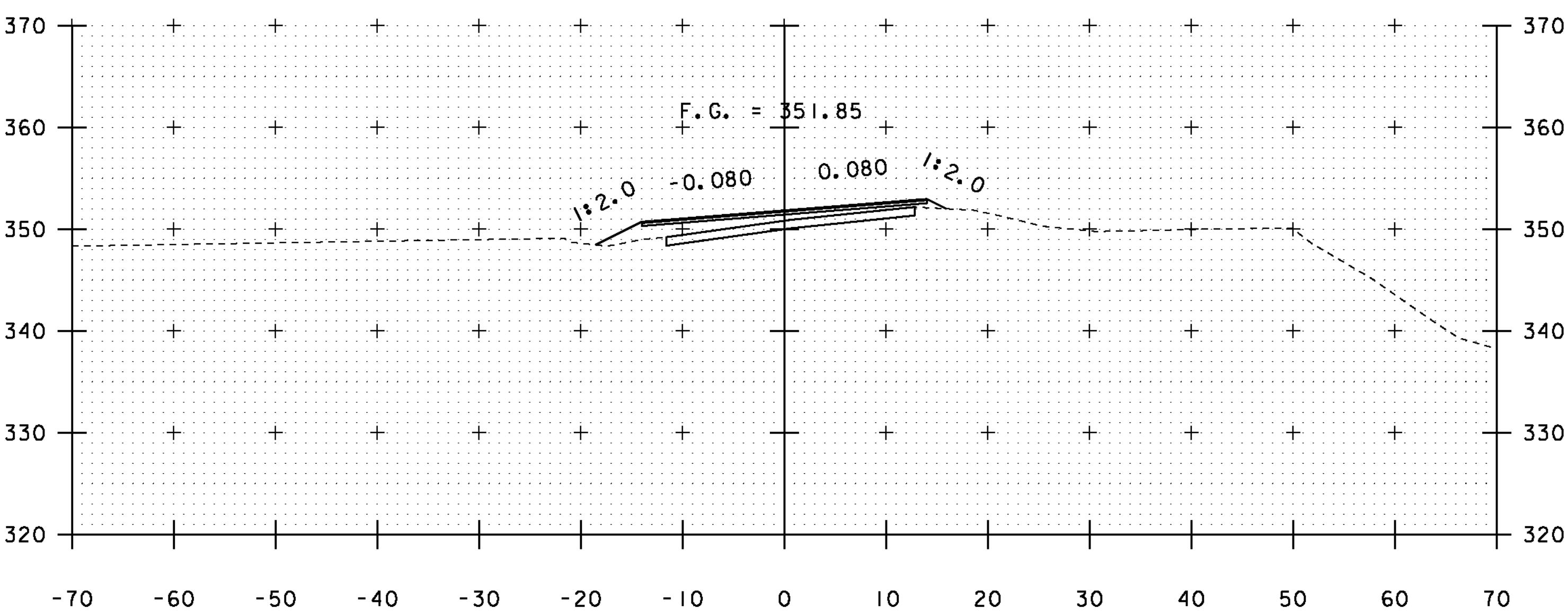
56+50



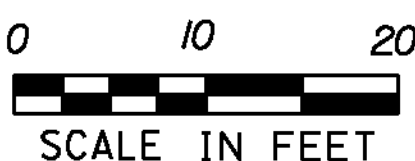
56+00



57+84
DRIVE RT

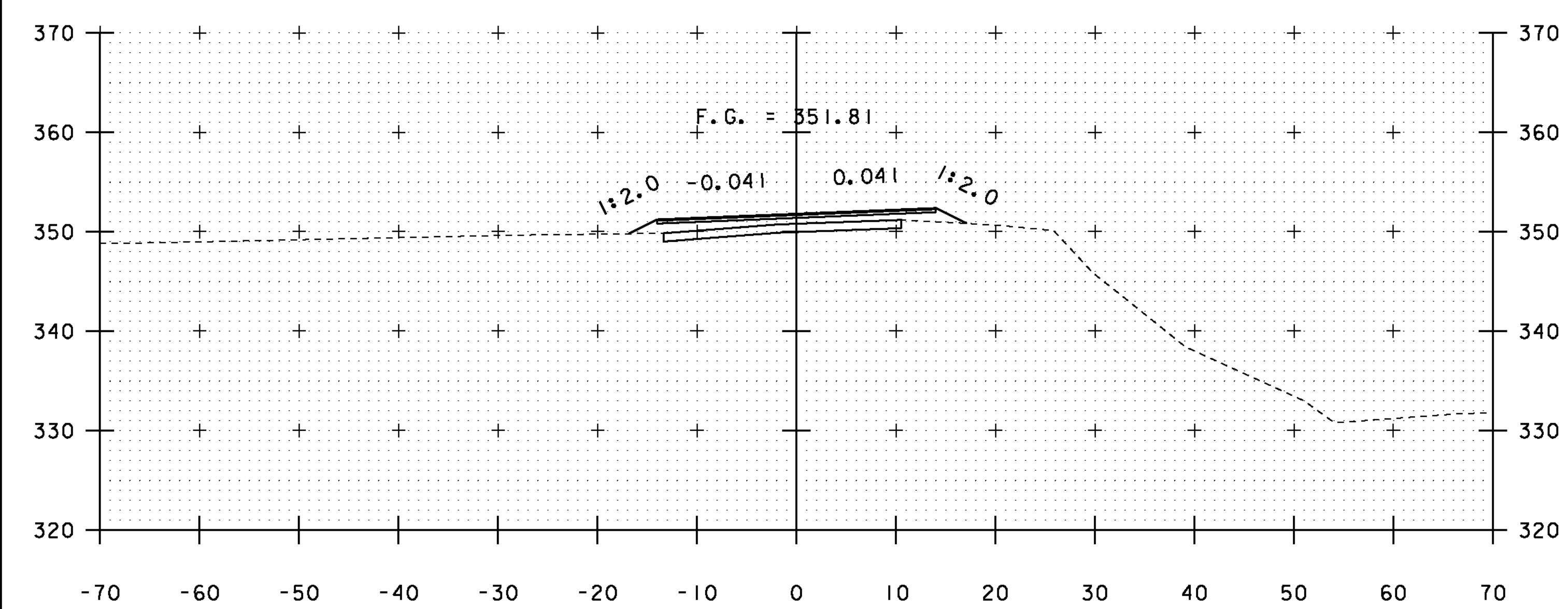


57+50

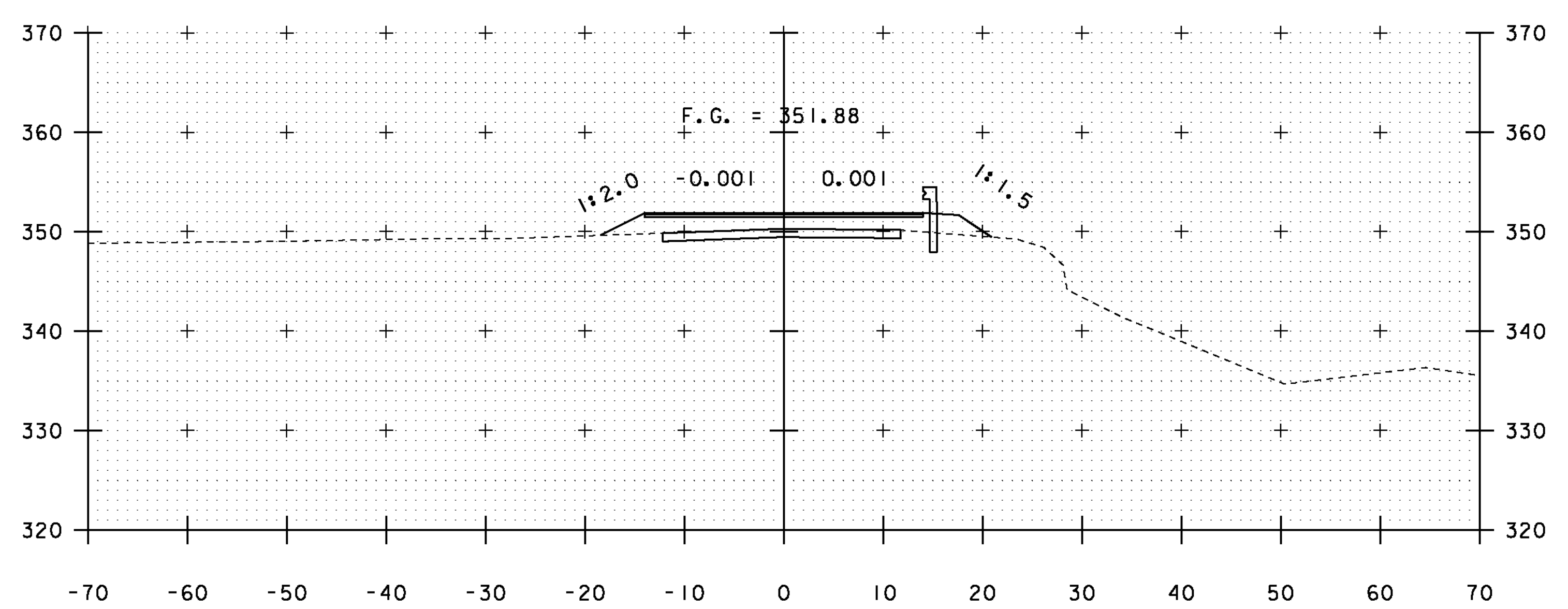


PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 27	SHEET 122 OF 137

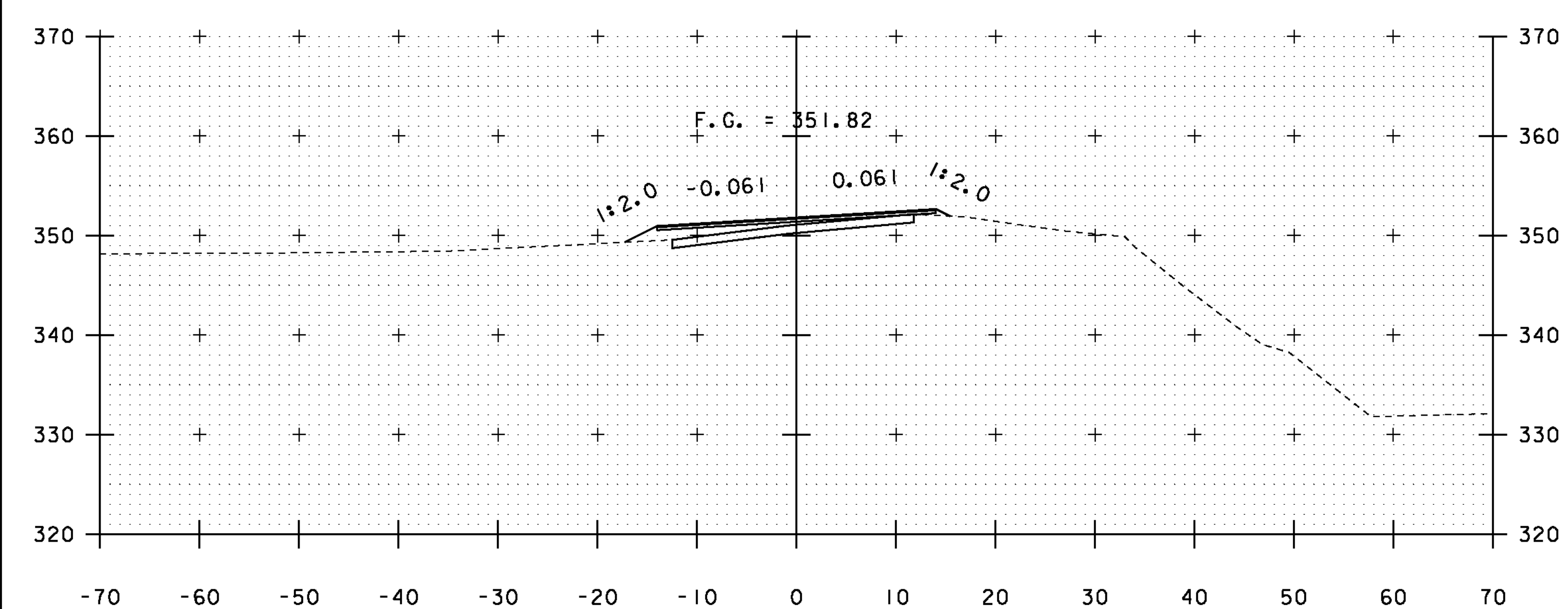
STA. 56+00 TO STA. 57+84



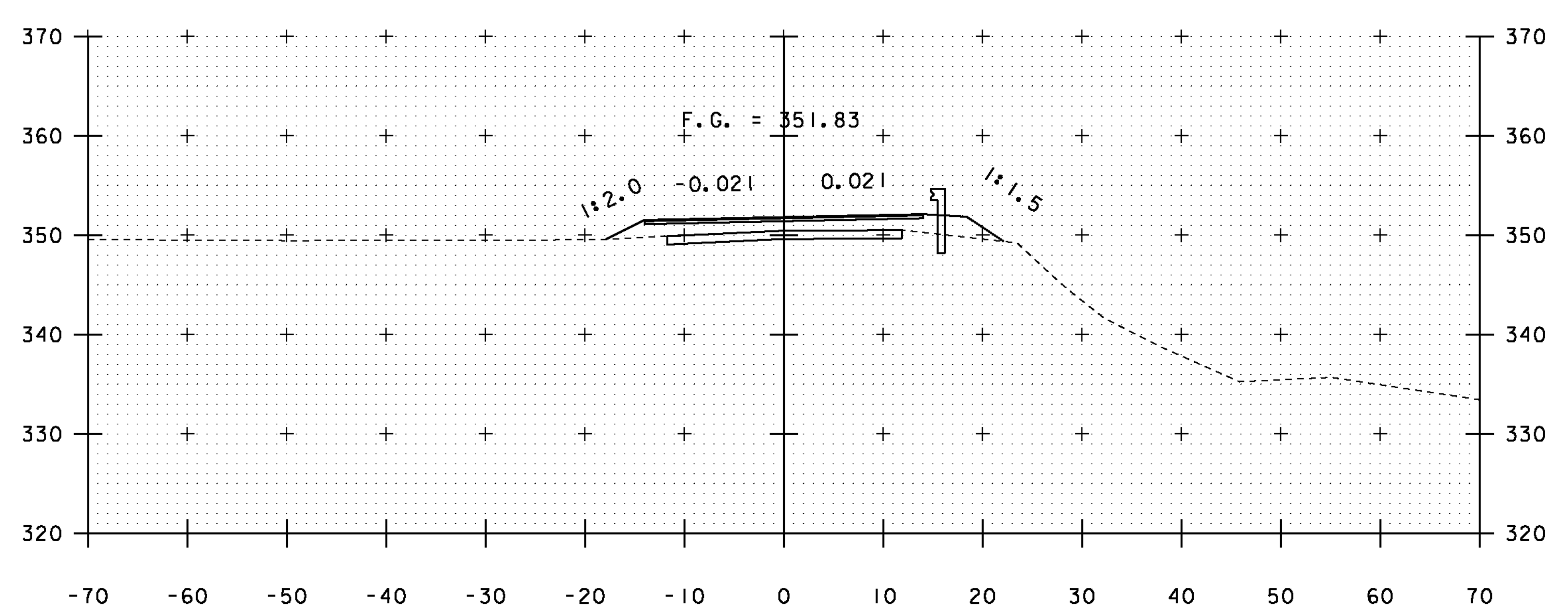
58+50



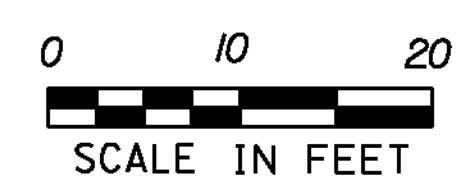
59+50



58+00

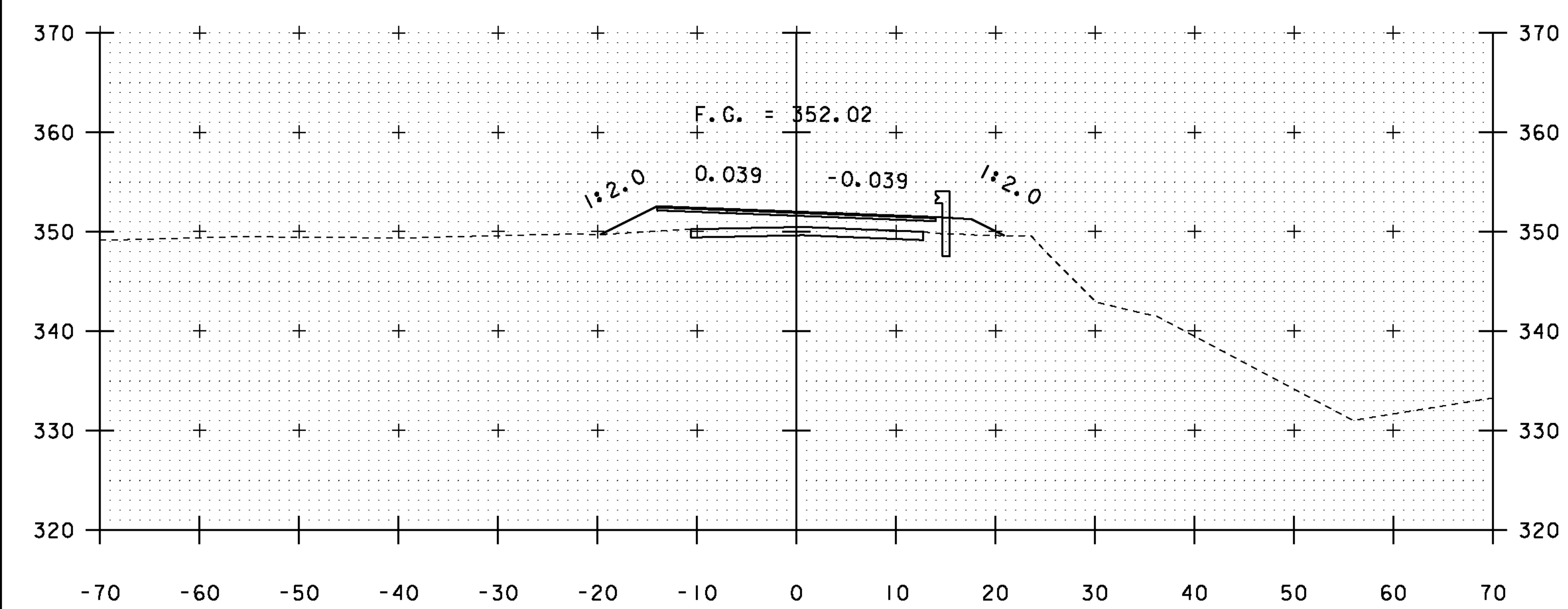


59+00

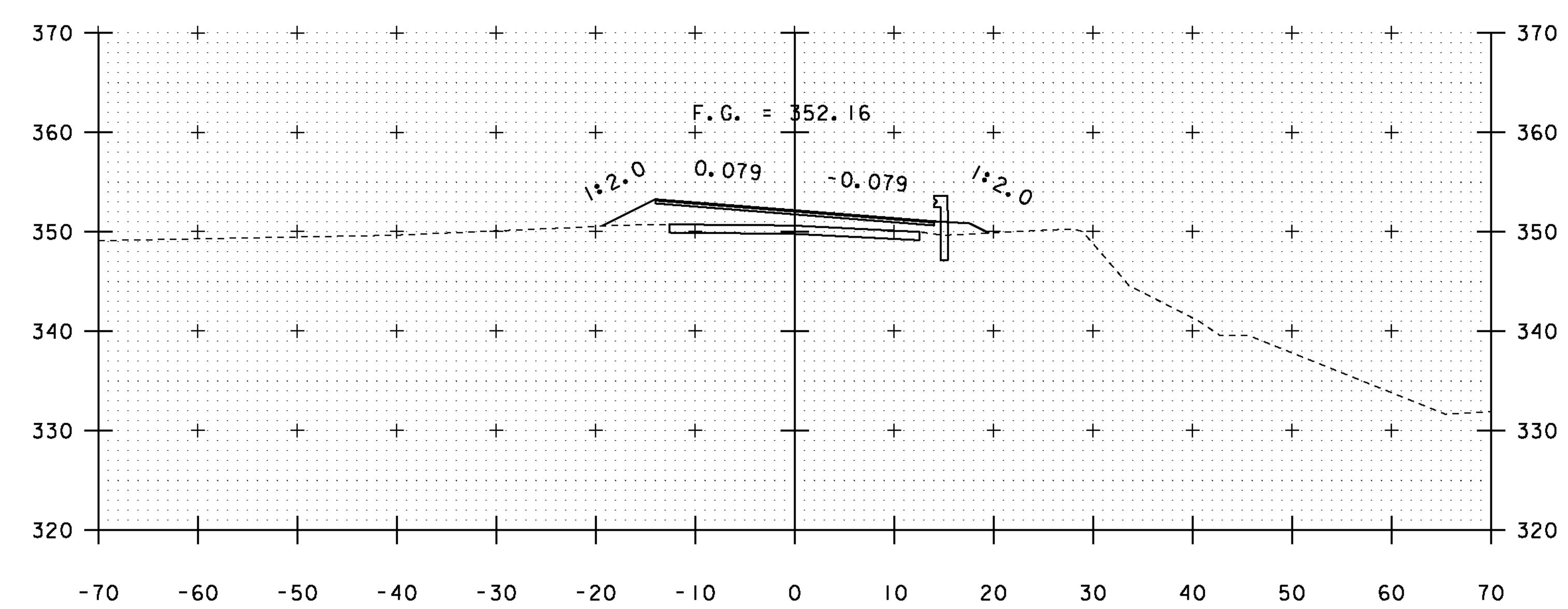


STA. 58+00 TO STA. 59+50

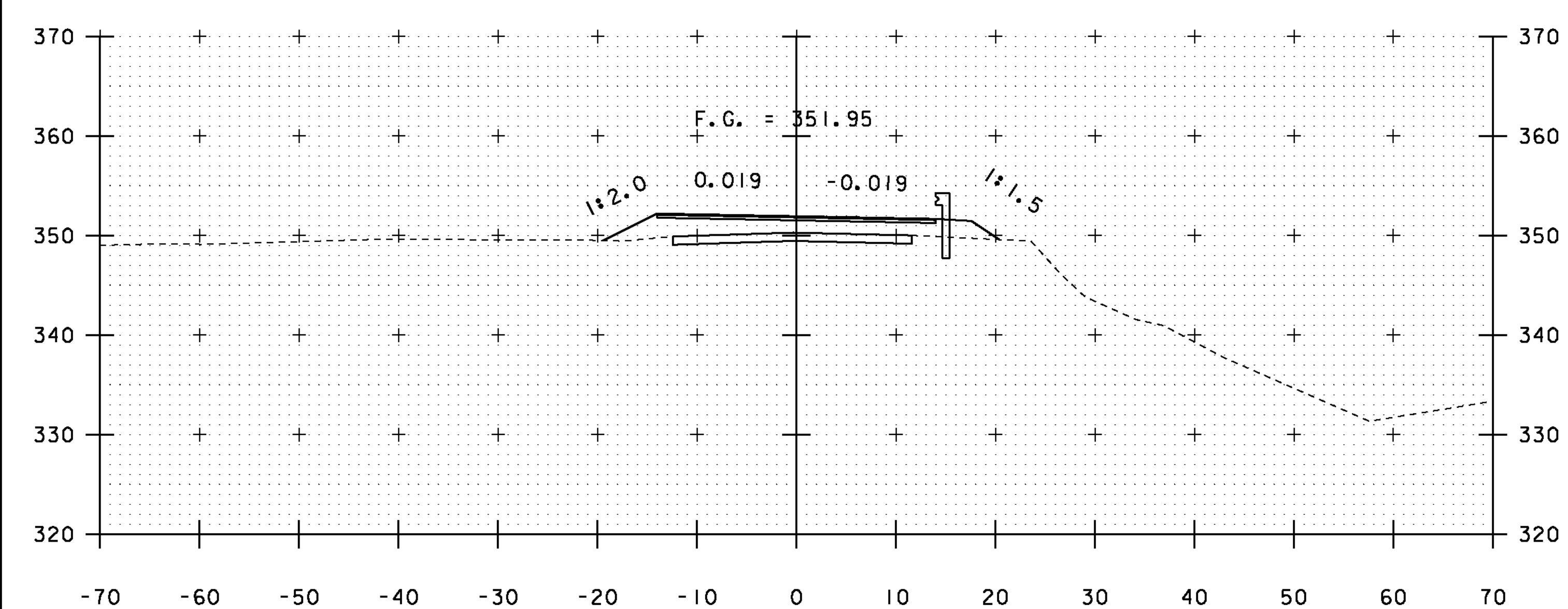
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 28	SHEET 123 OF 137



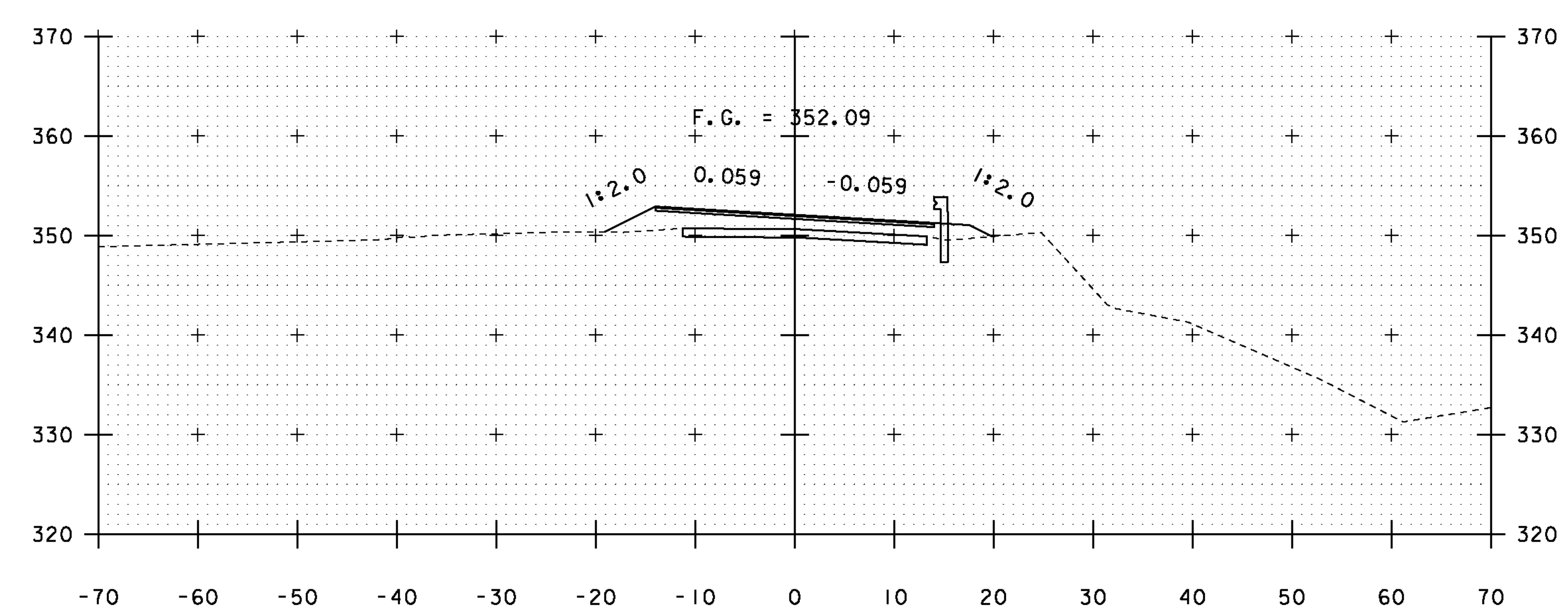
60+50



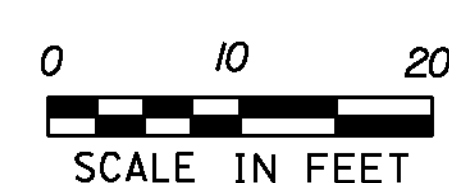
61+50



60+00

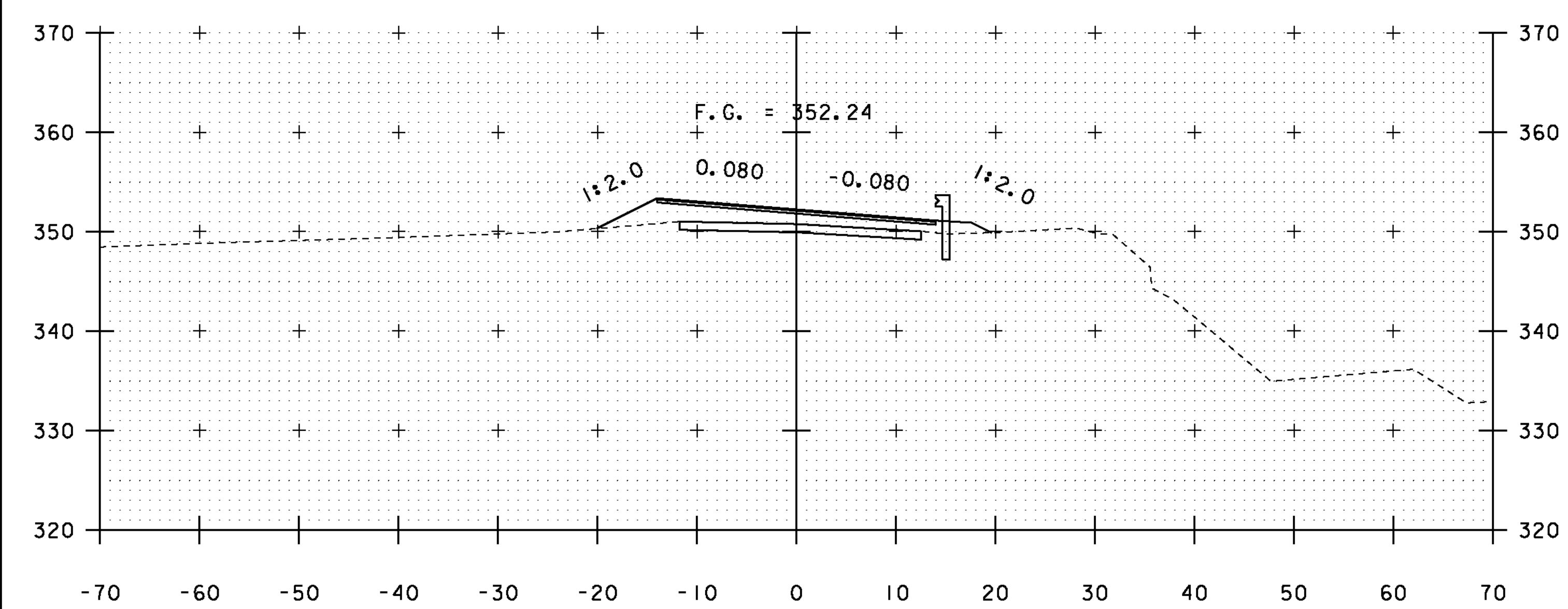


61+00

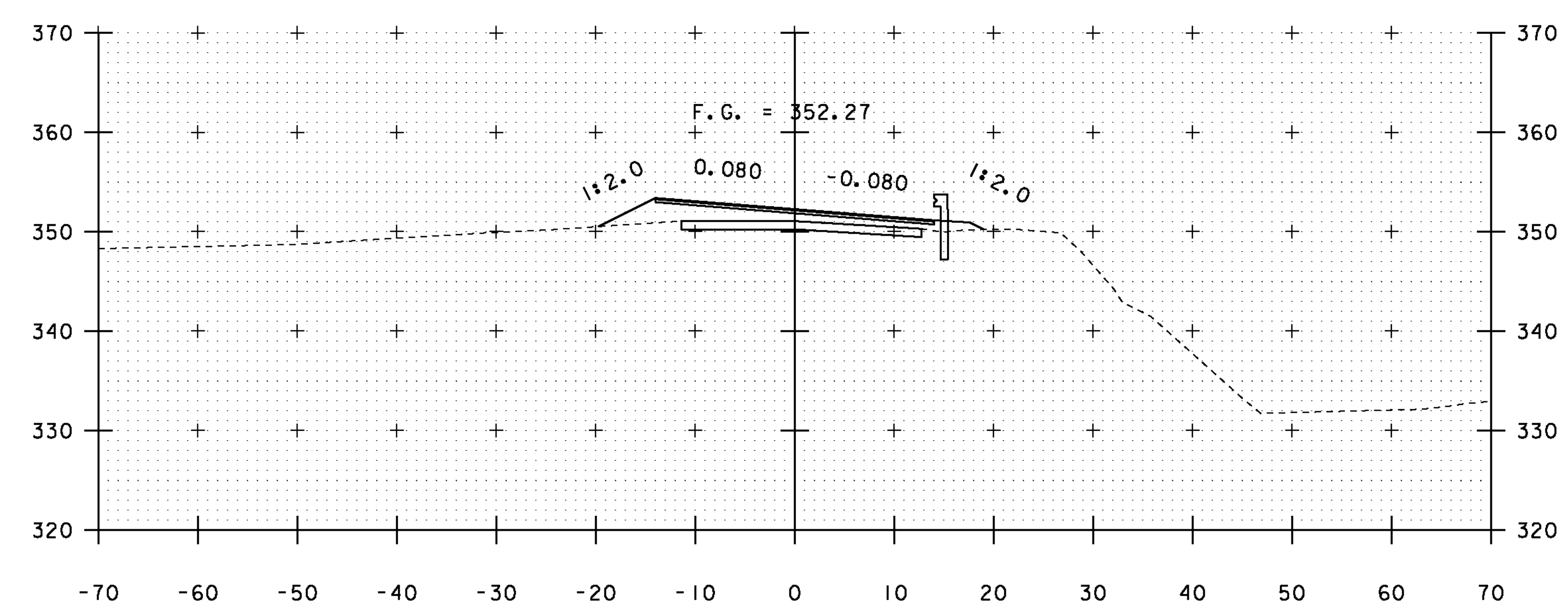


STA. 60+00 TO STA. 61+50

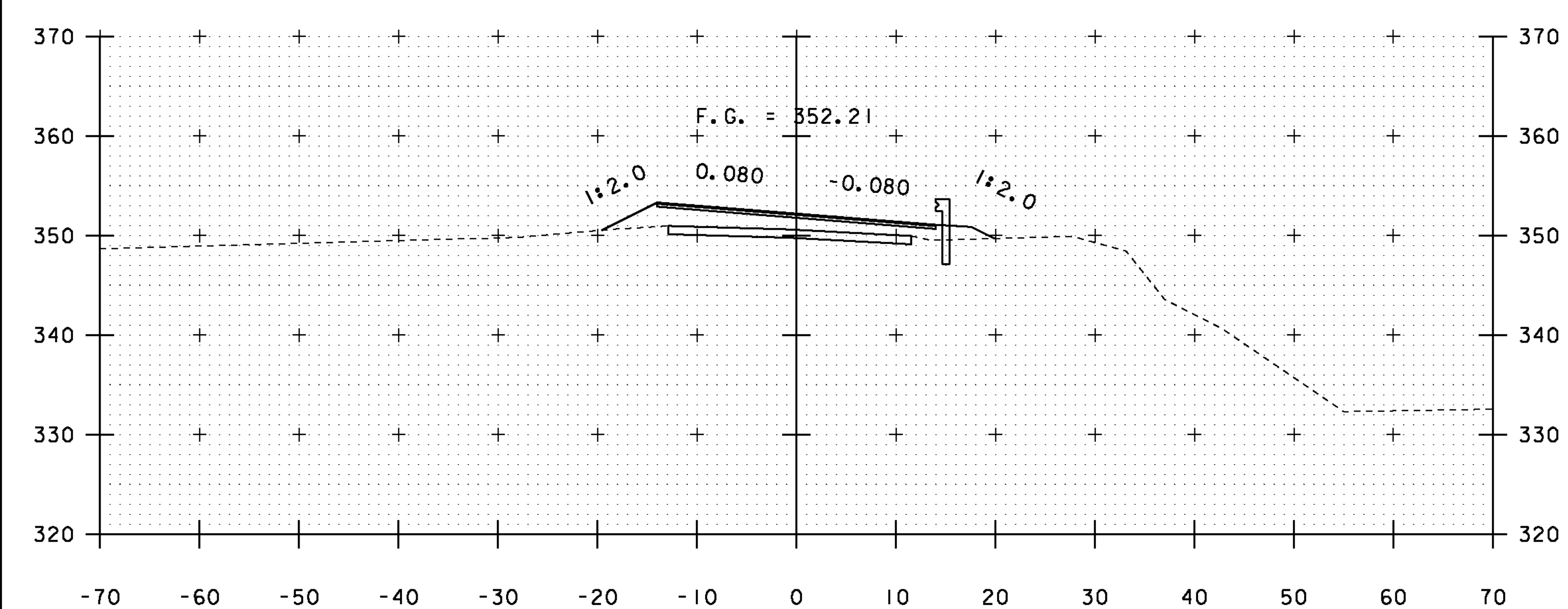
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 29	SHEET 124 OF 137



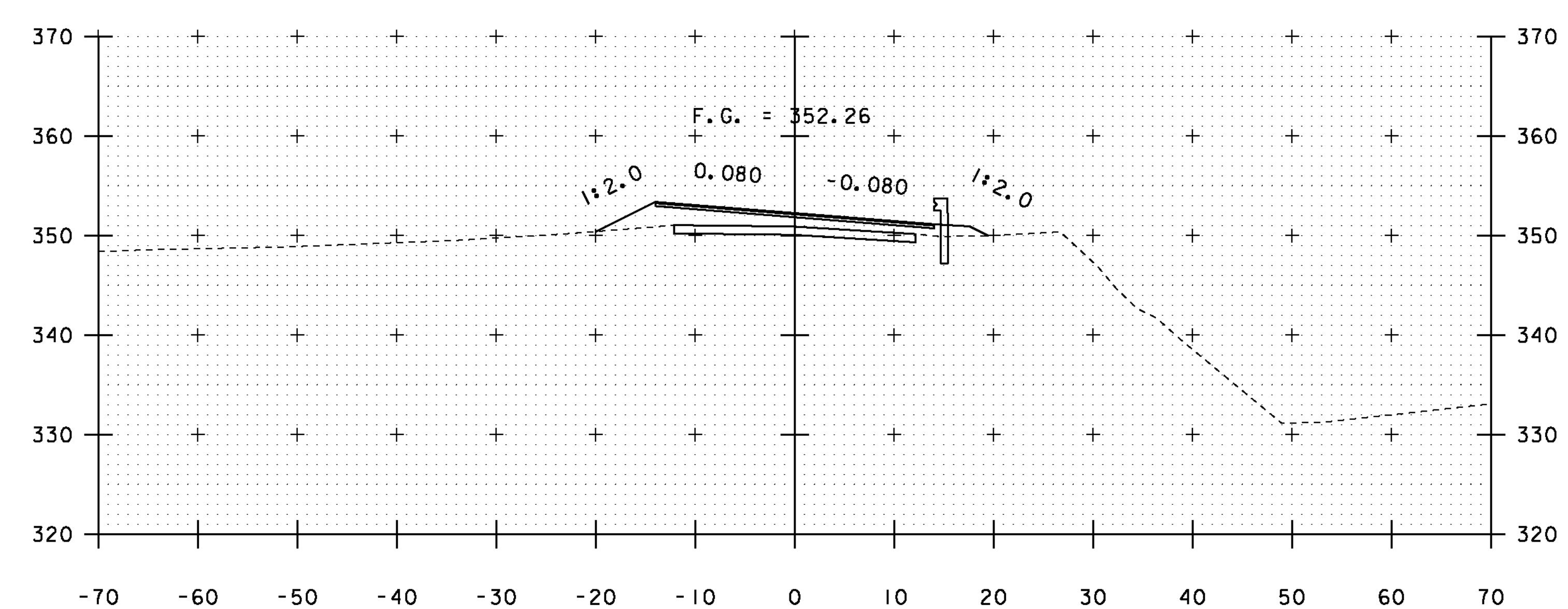
62+50



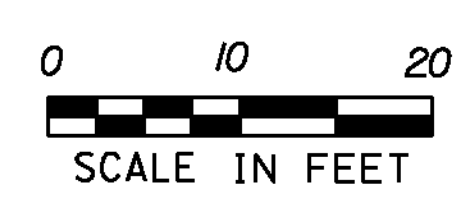
63+50



62+00

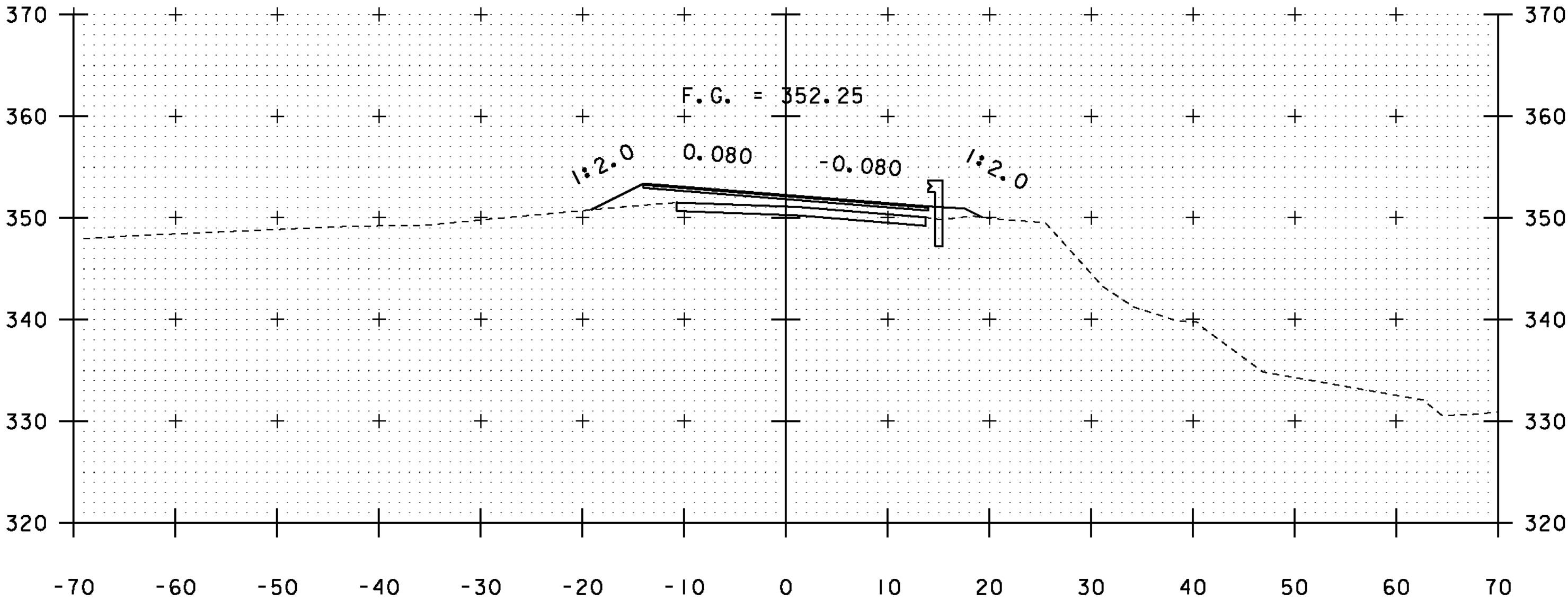


63+00

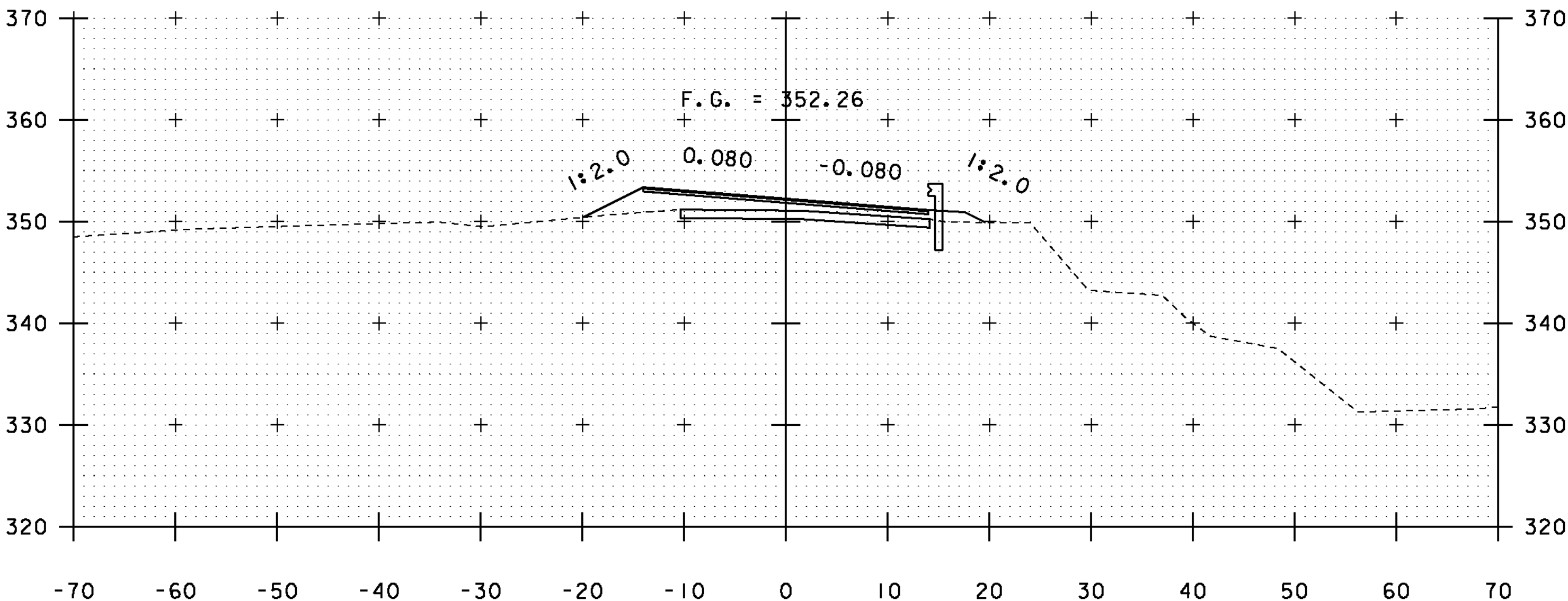


STA. 62+00 TO STA. 63+50

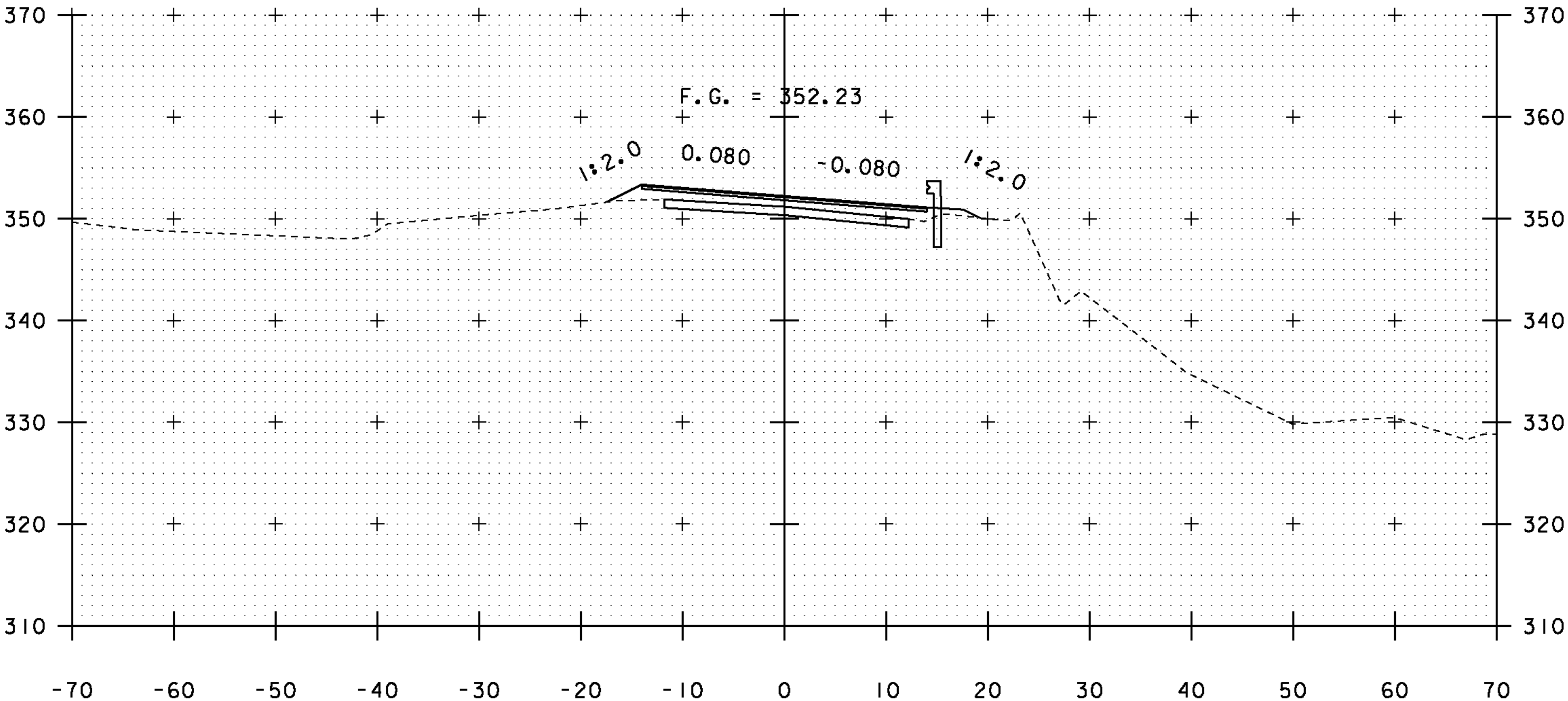
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 30	SHEET 125 OF 137



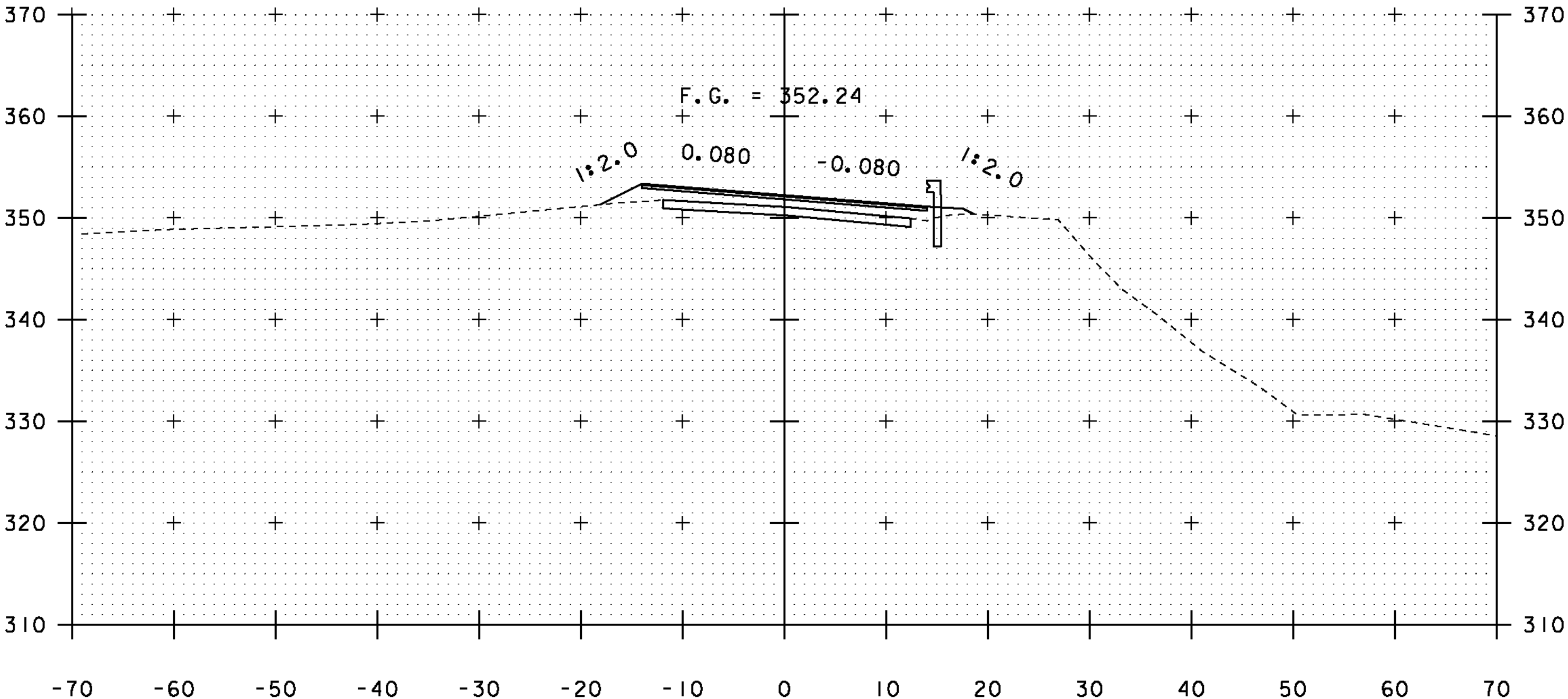
64+50



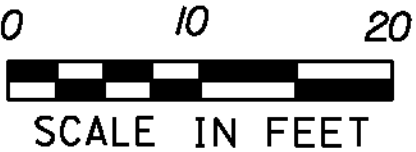
64+00



65+50



65+00

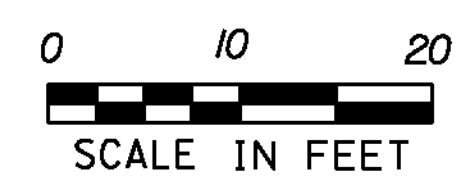
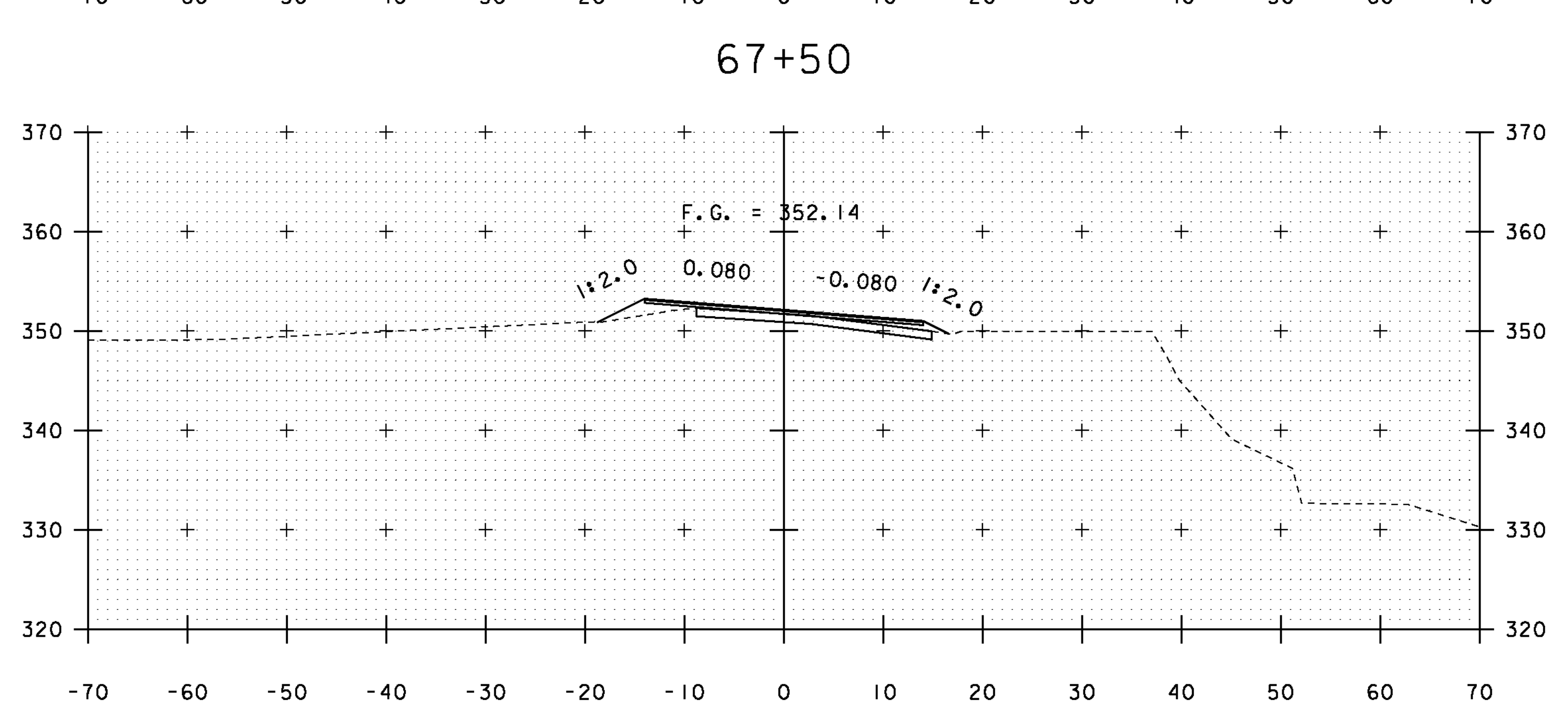
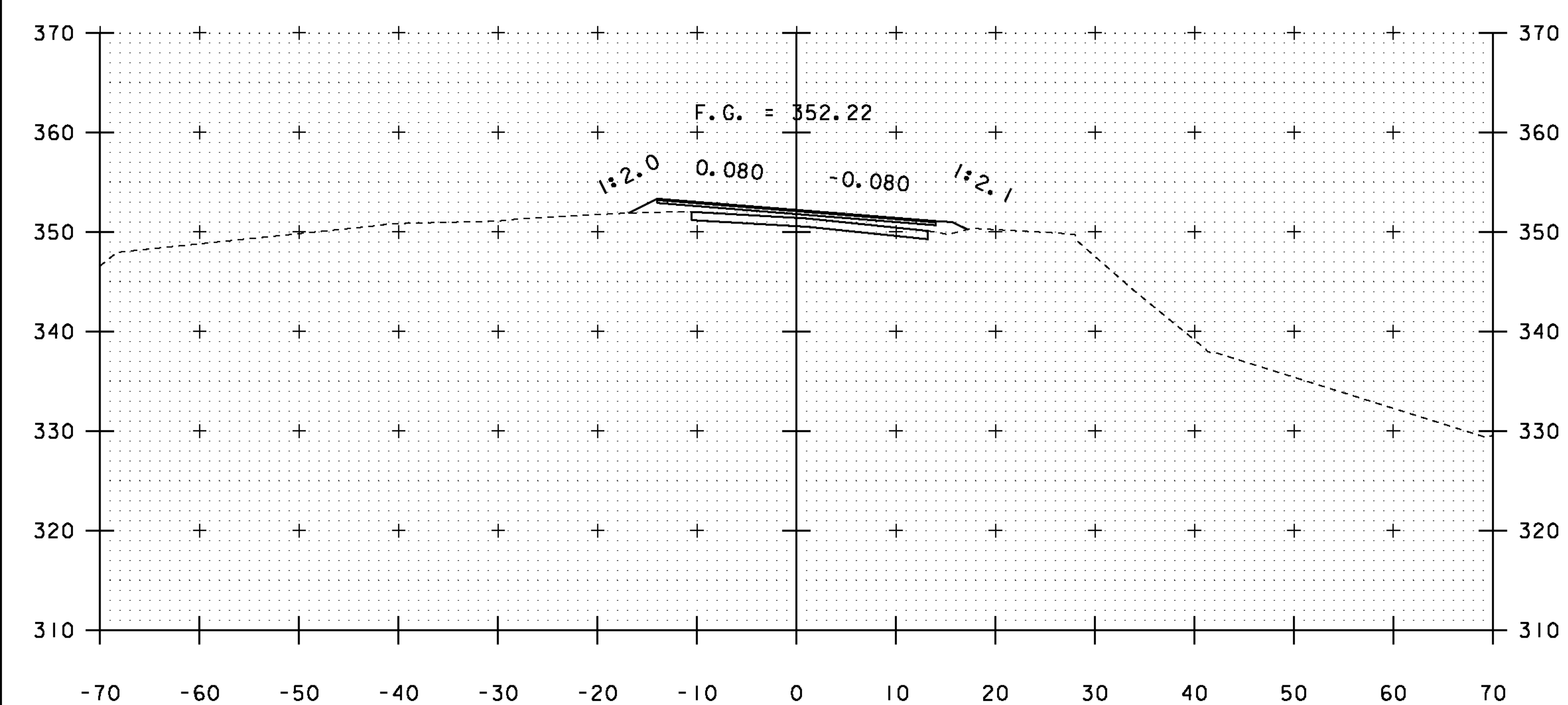
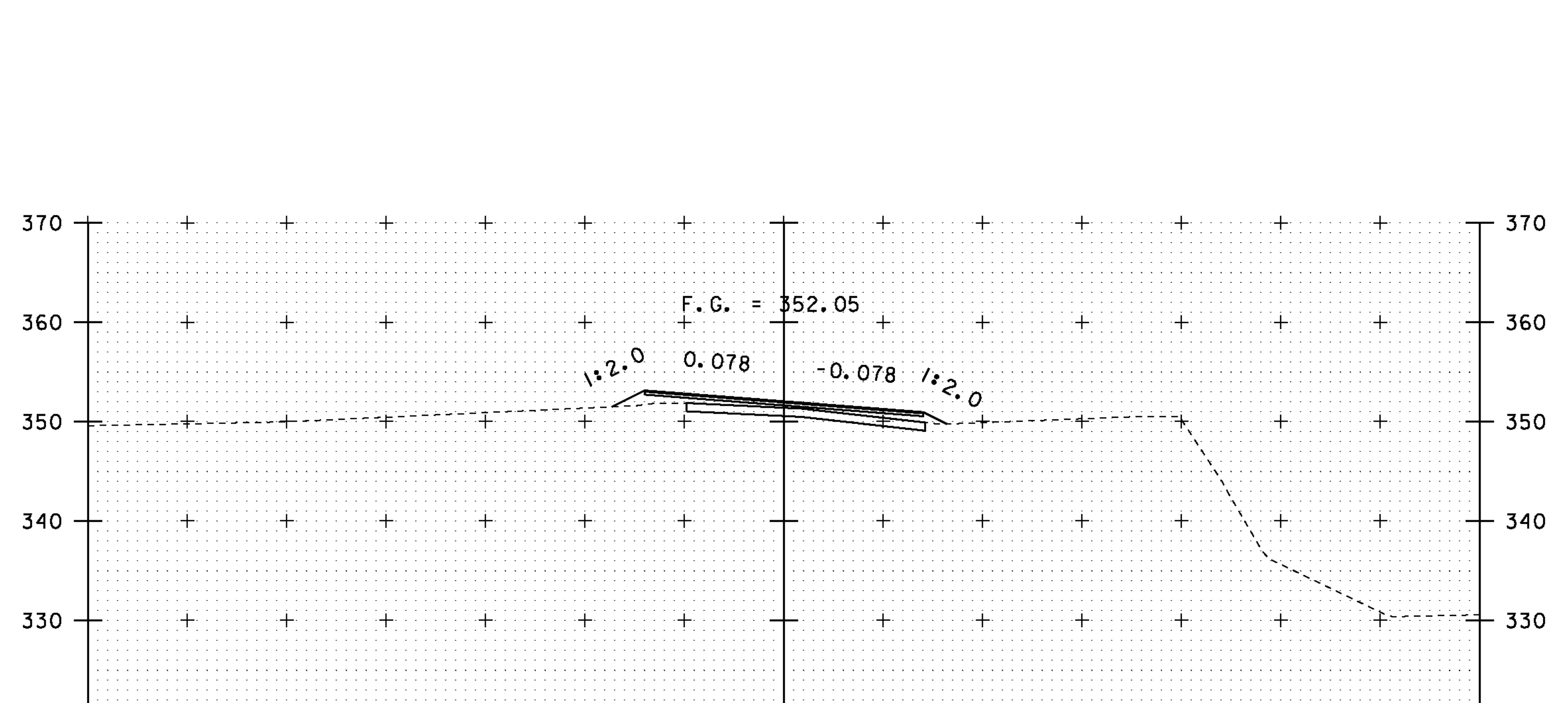
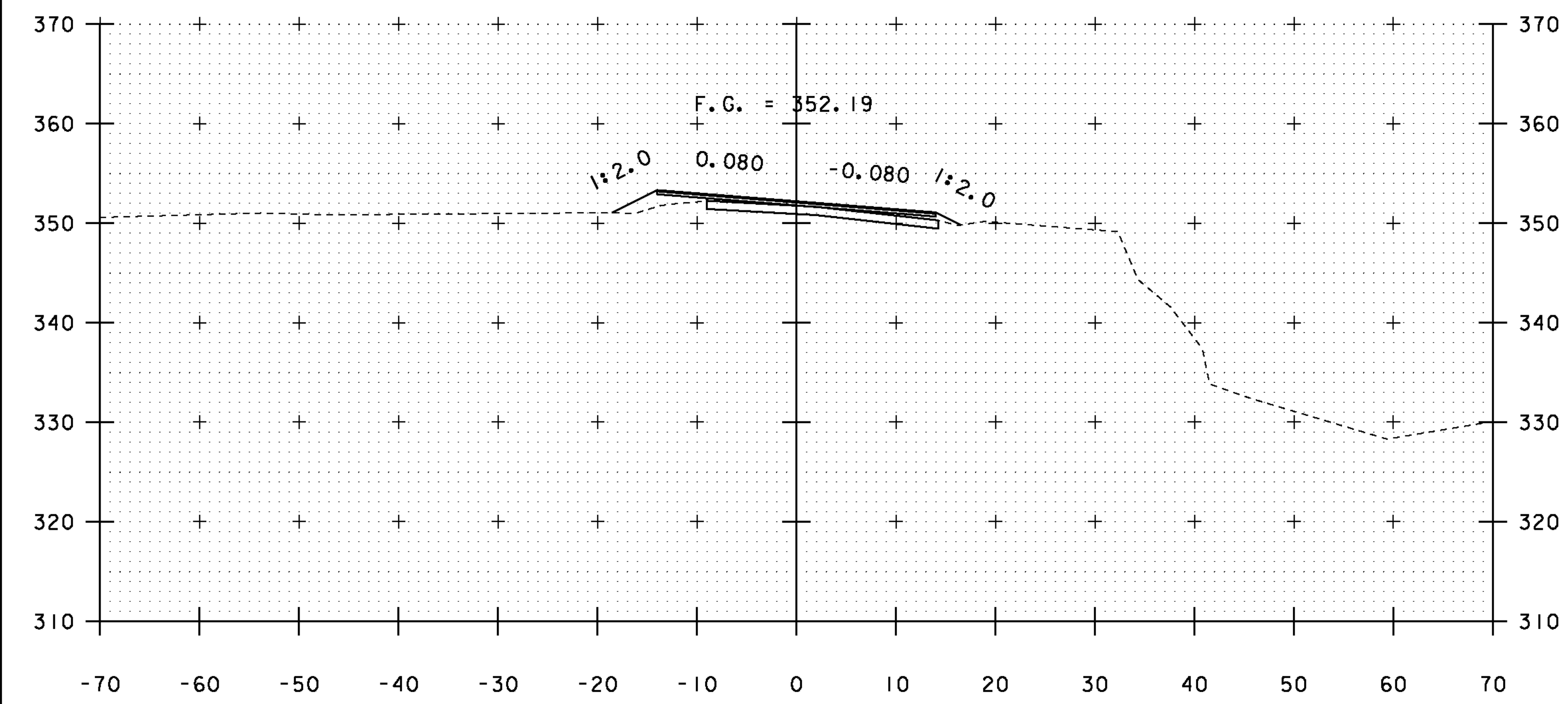


STA. 64+00 TO STA. 65+50

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

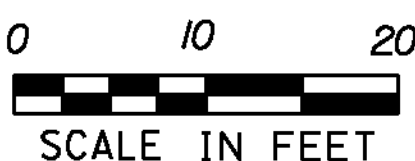
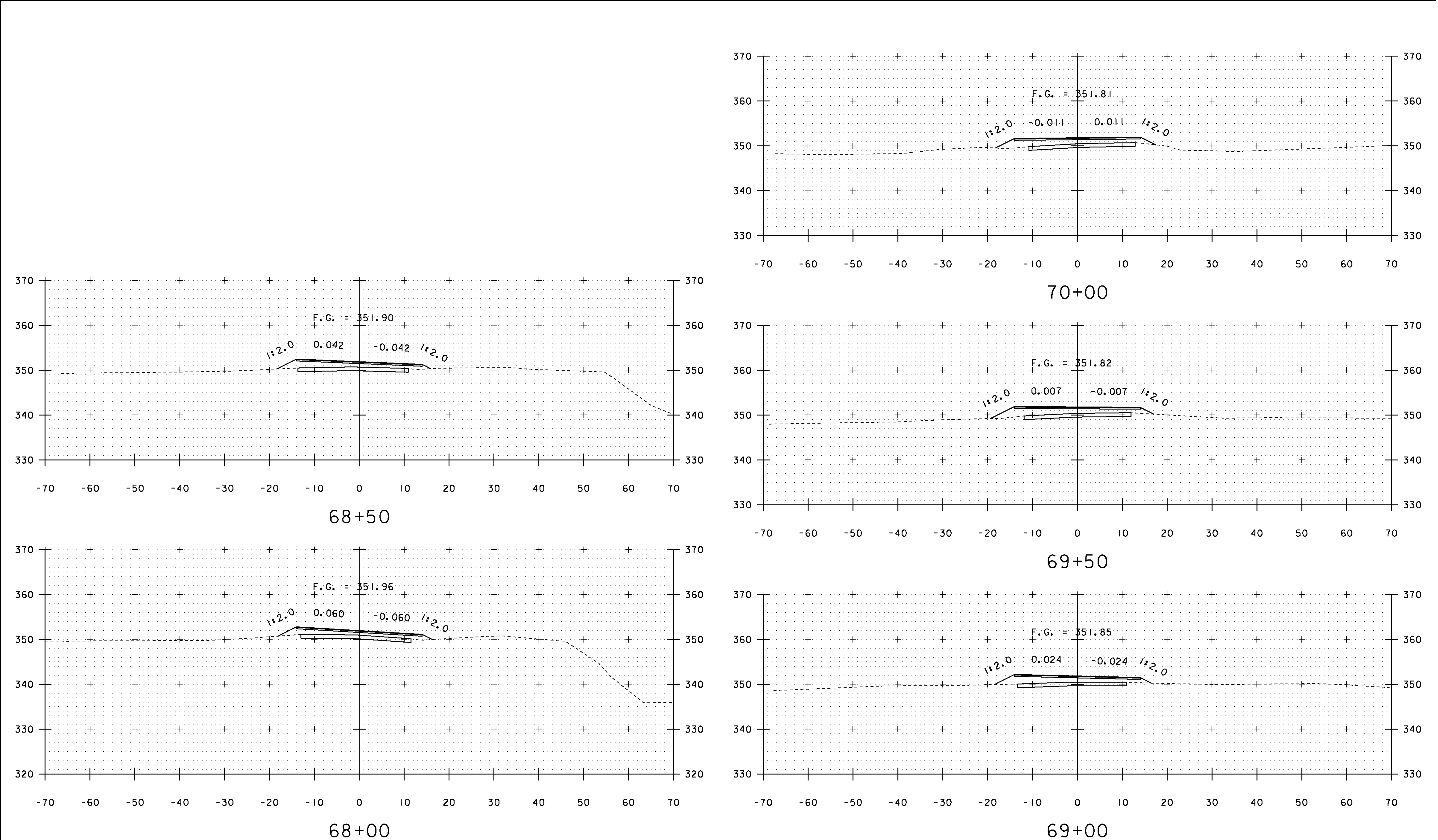
FILE NAME: dl0c204_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
VT 73 CROSS SECTIONS 31

PLOT DATE: 13-FEB-2013
DRAWN BY: A. KEMPTON
CHECKED BY: N. PAPPAS
SHEET 126 OF 137



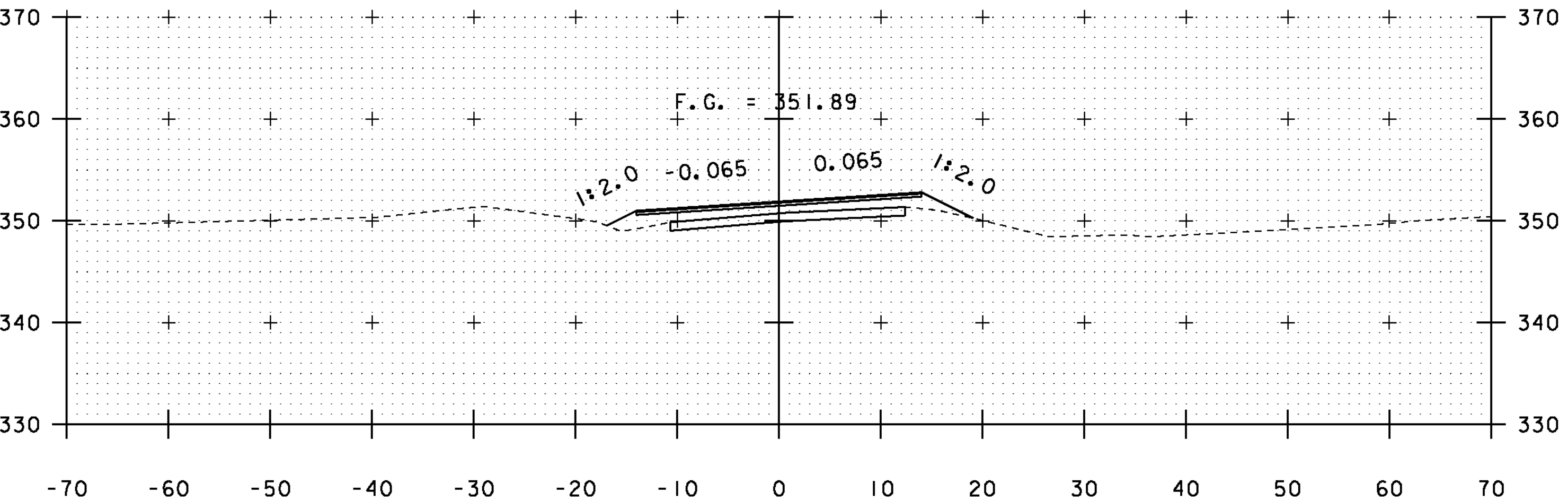
STA. 66+00 TO STA. 67+50

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 32	SHEET 127 OF 137

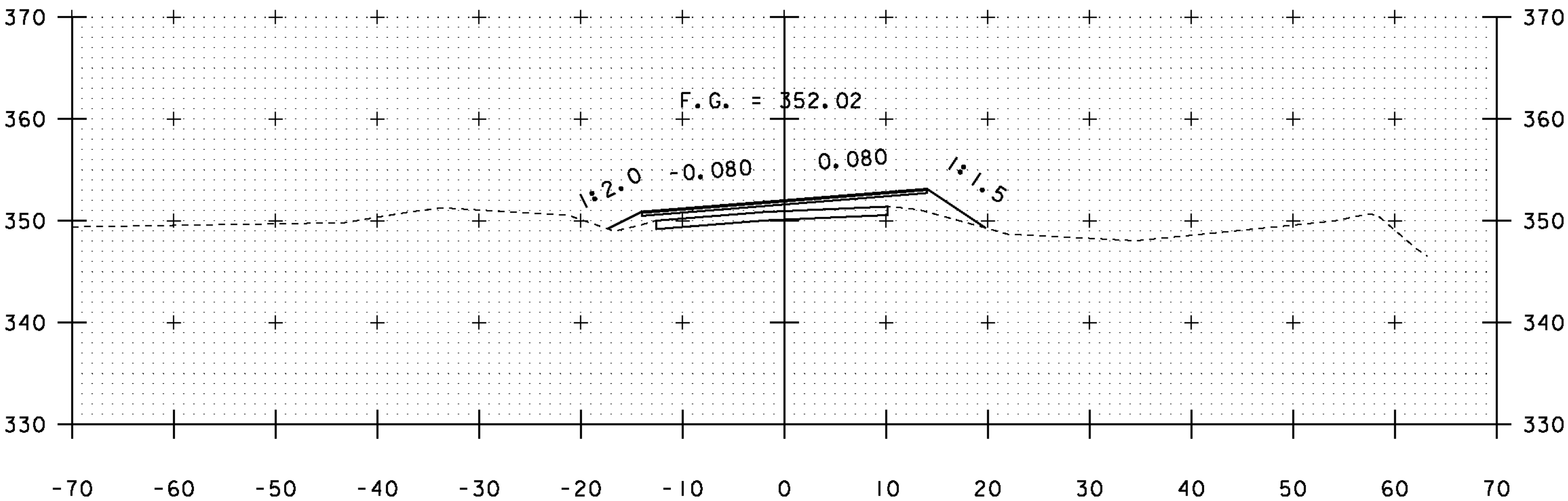


STA. 68+00 TO STA. 70+00

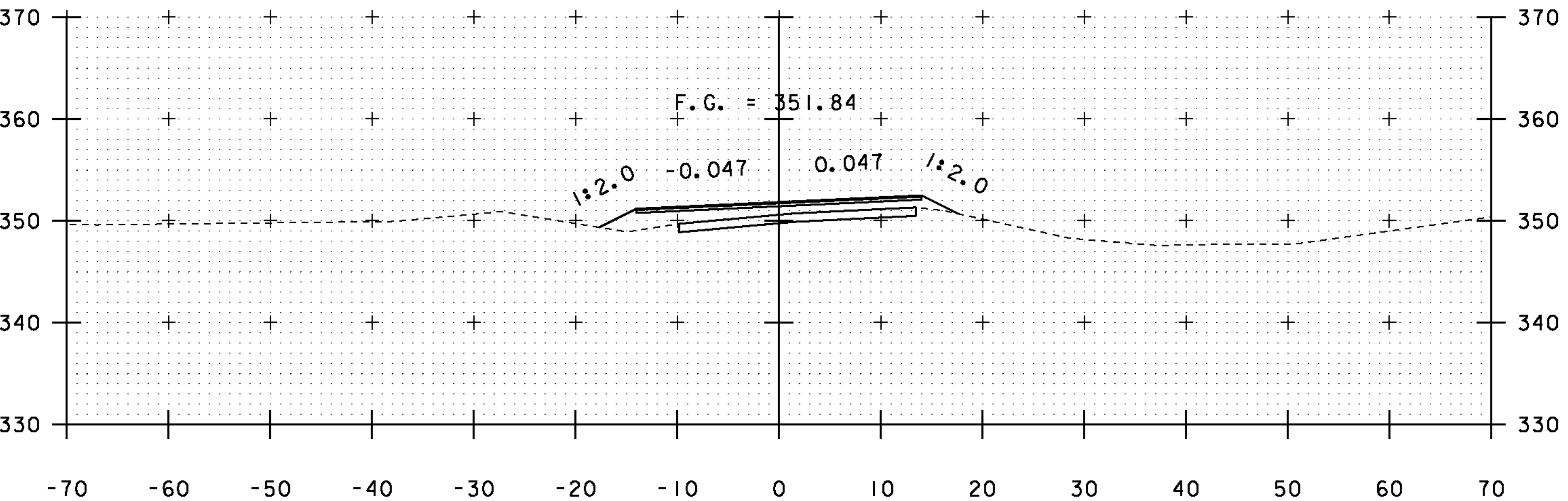
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 33	SHEET 128 OF 137



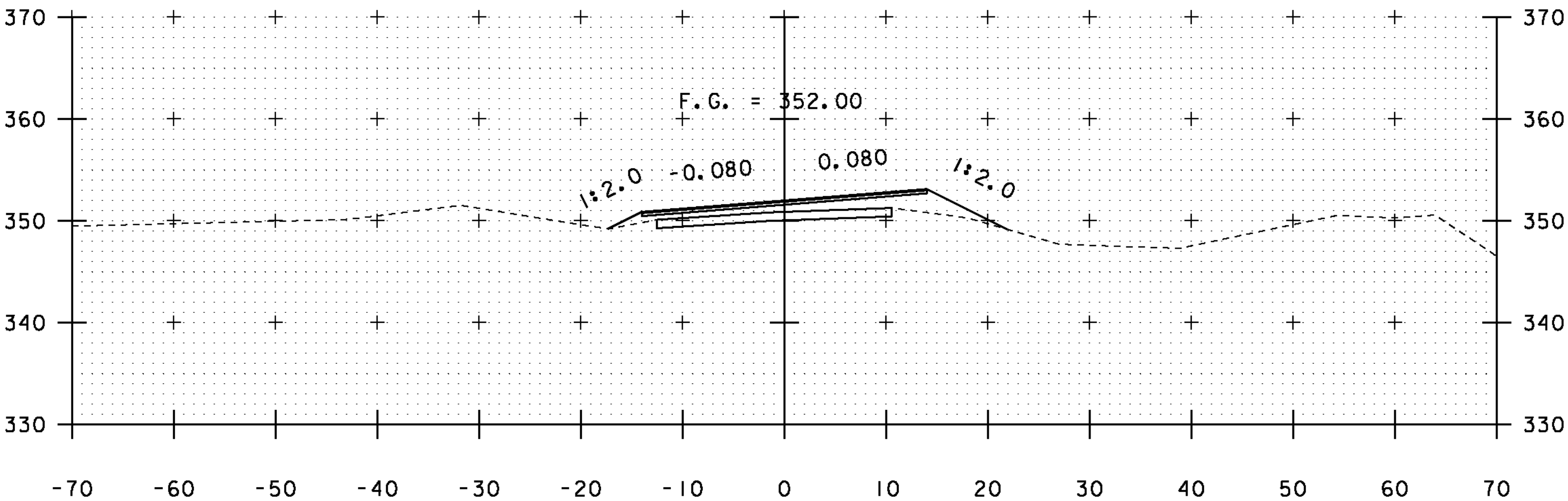
71+50



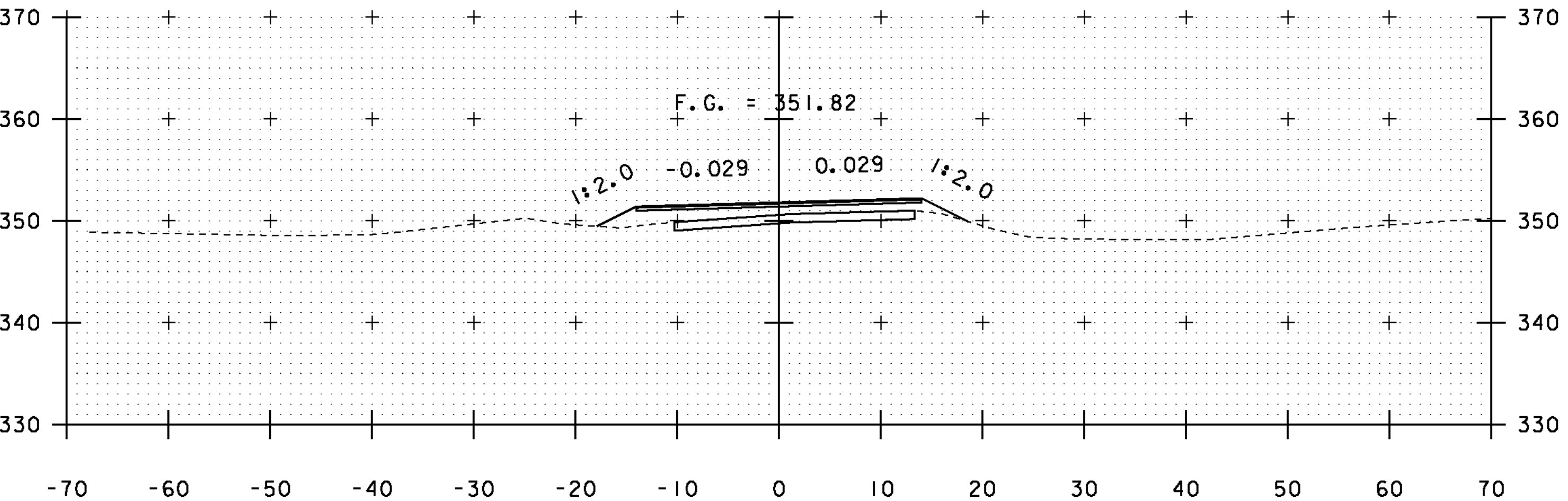
73+00



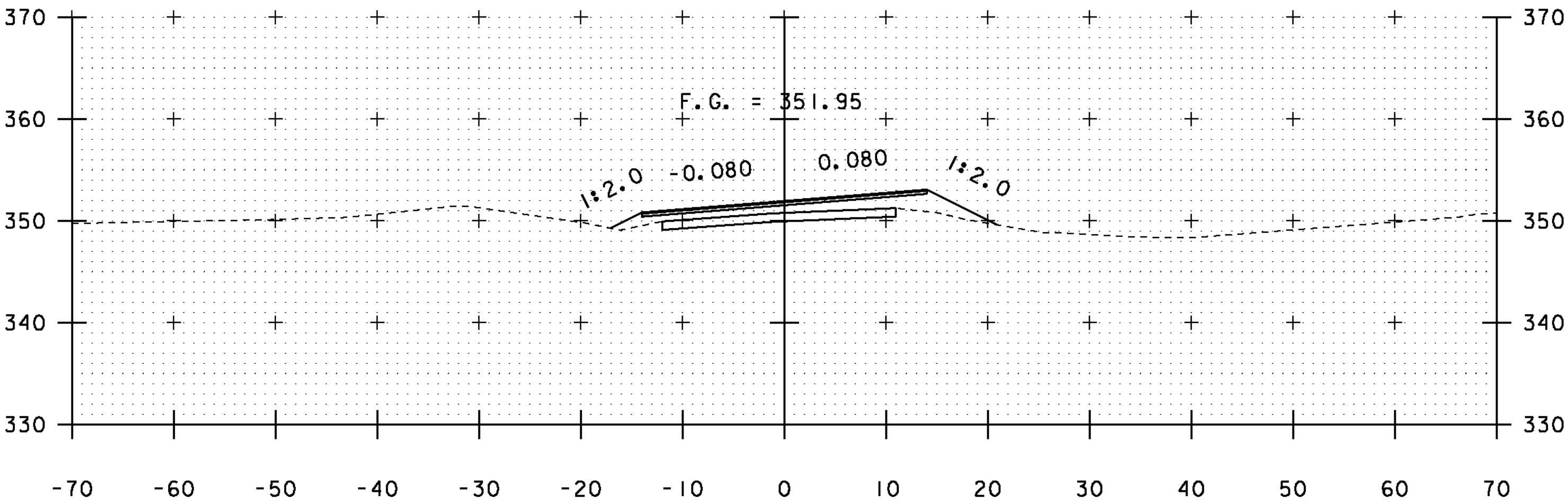
71+00



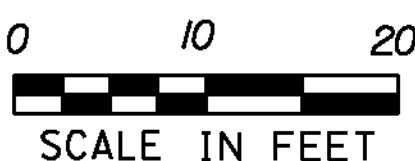
72+50



70+50

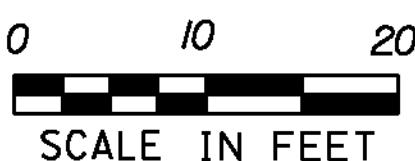
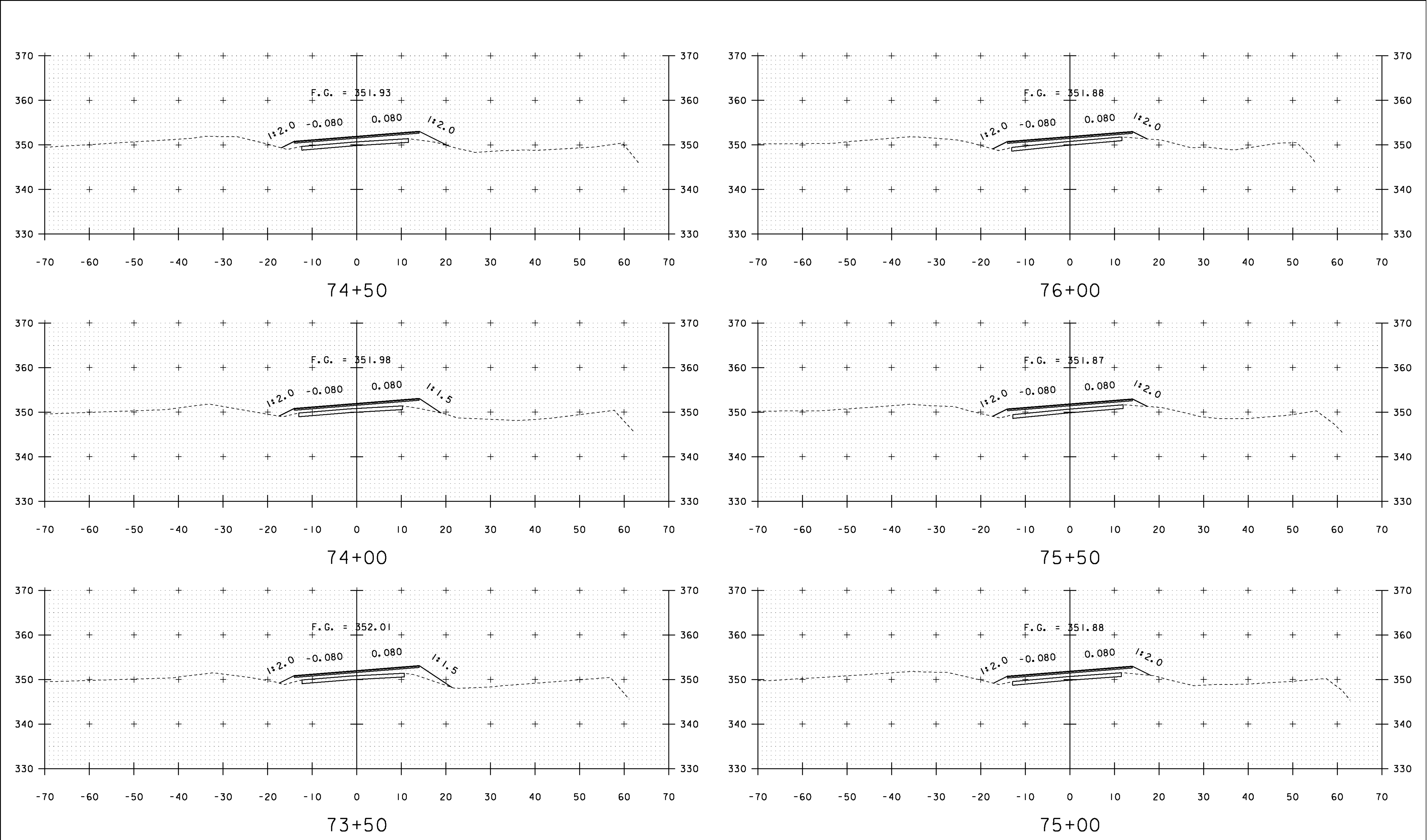


72+00



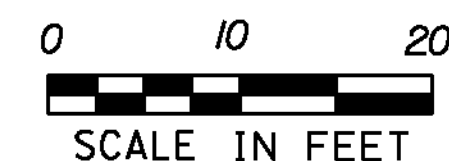
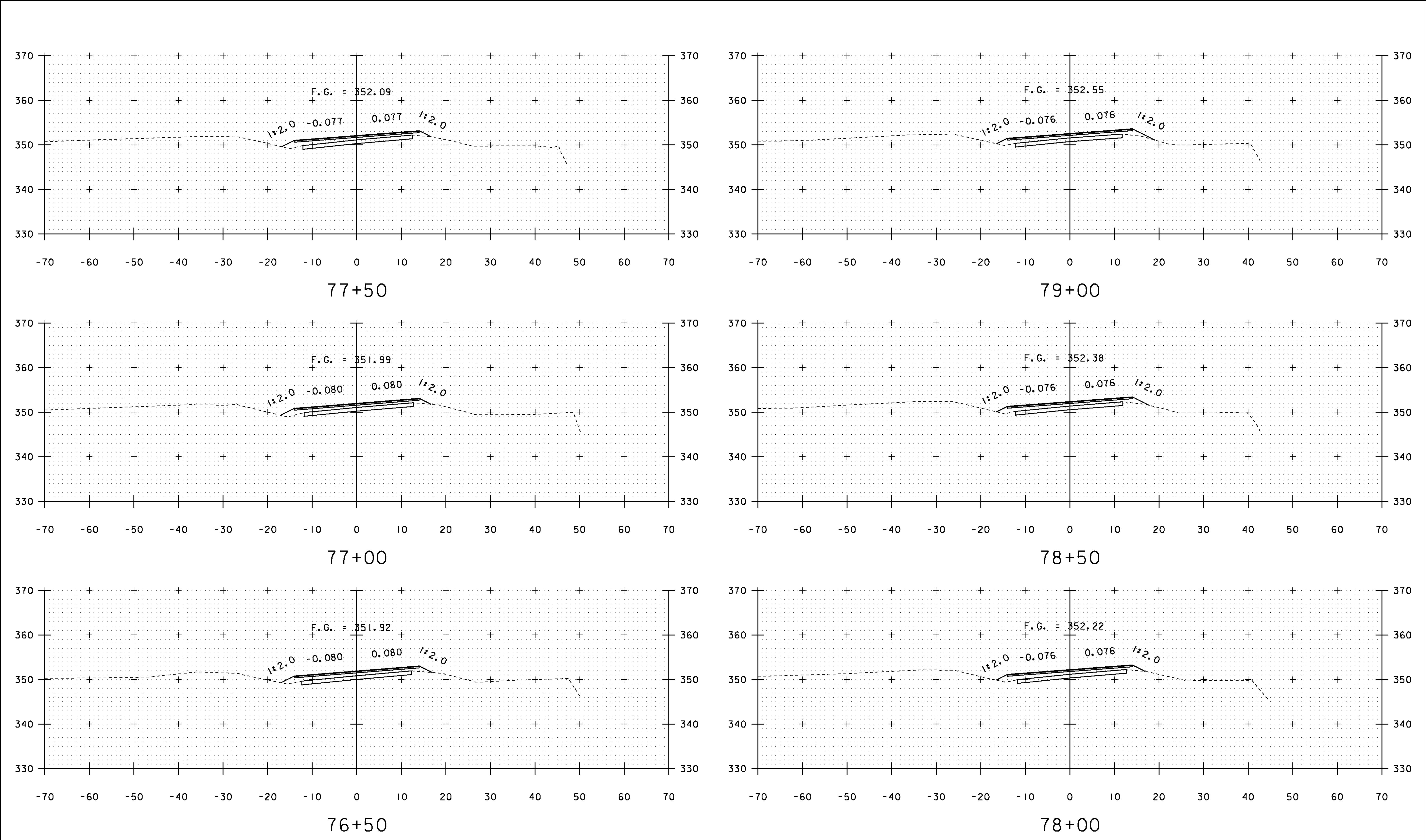
STA. 70+50 TO STA. 73+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 34	SHEET 129 OF 137



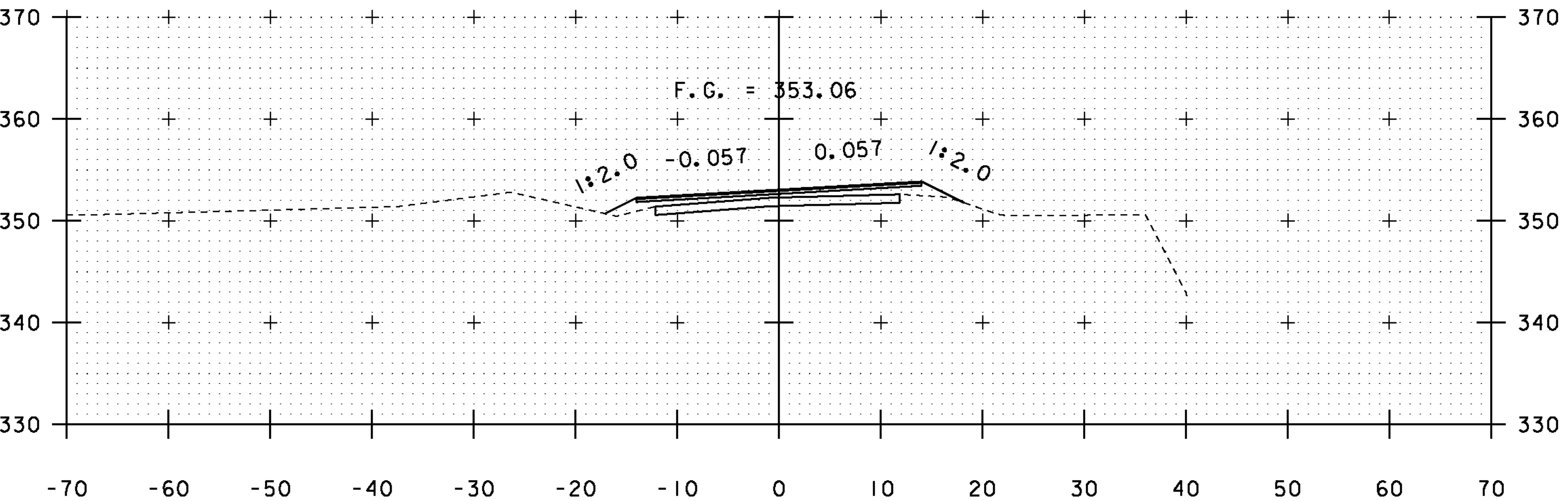
STA. 73+50 TO STA. 76+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 35	SHEET 130 OF 137

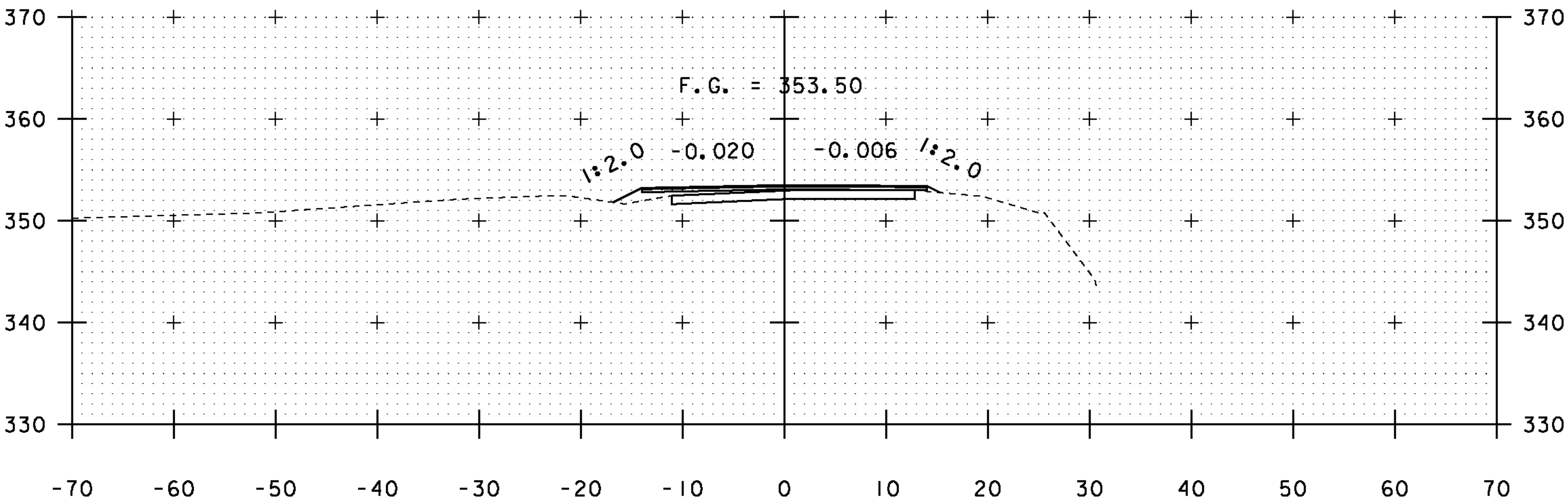


STA. 76+50 TO STA. 79+00

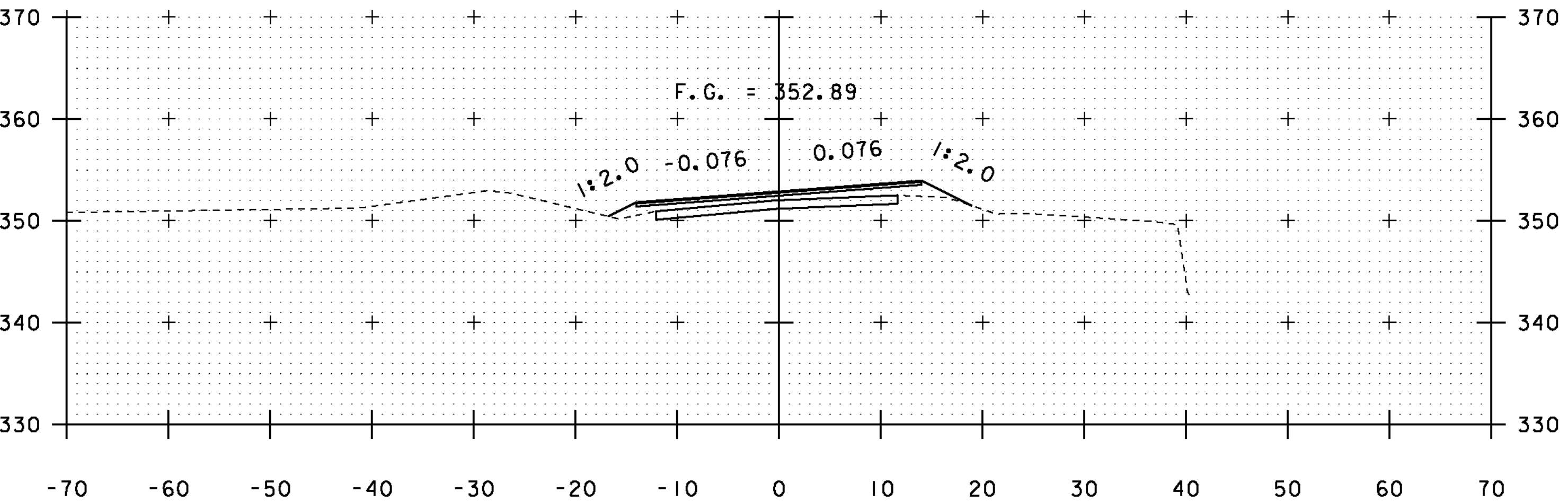
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 36	SHEET 131 OF 137



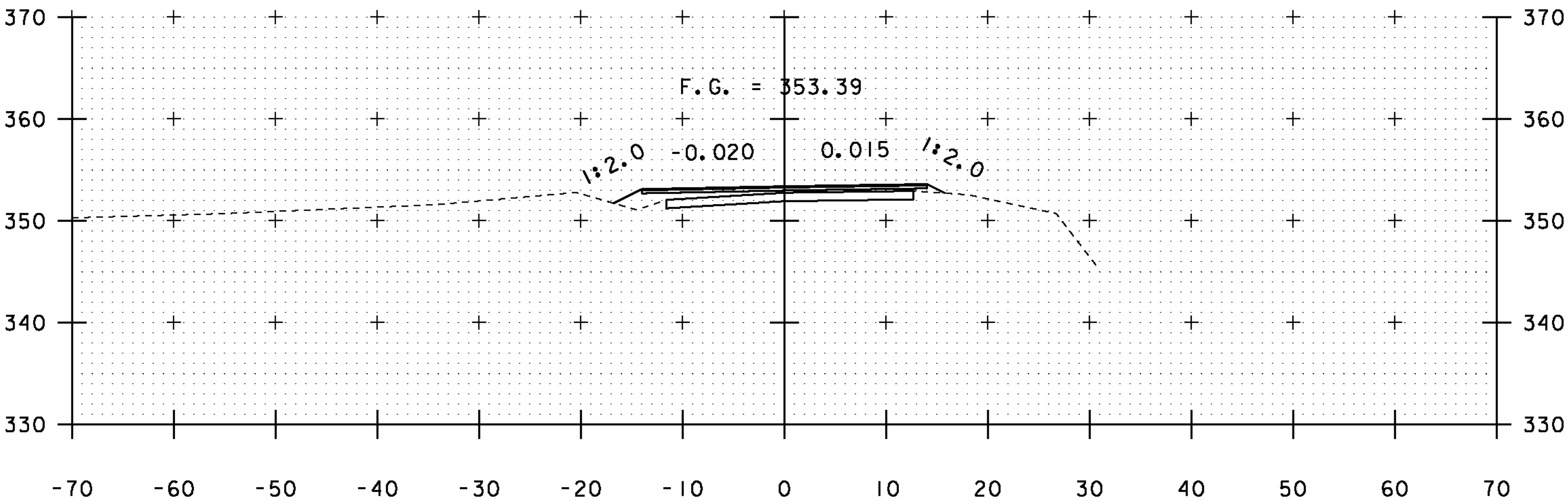
80+50



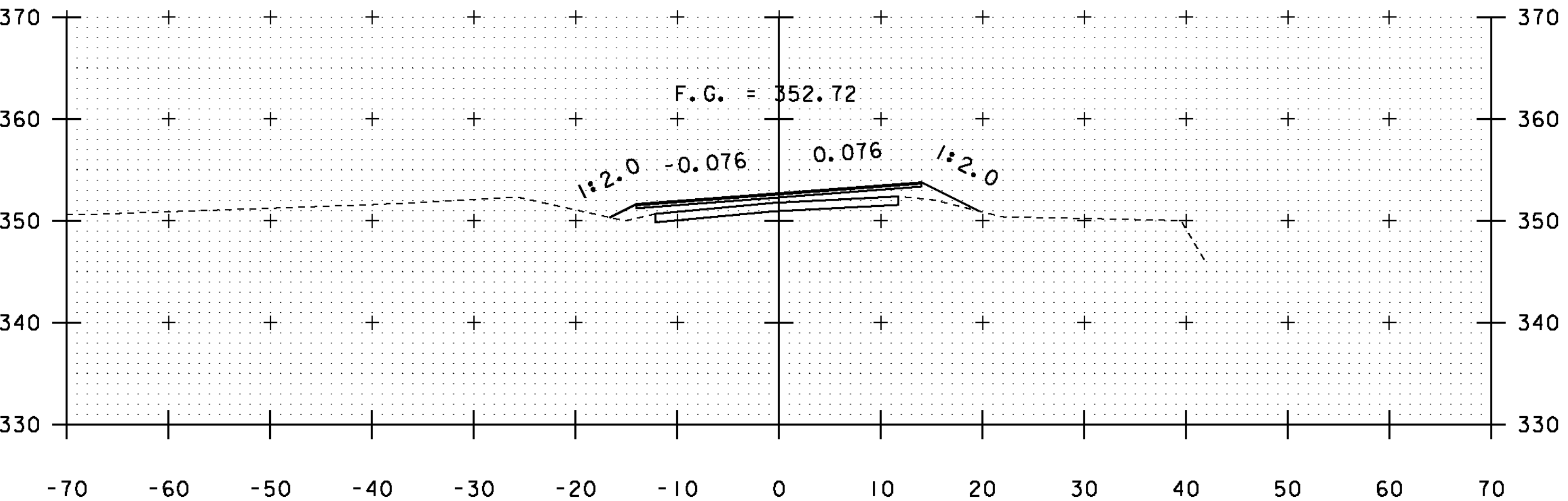
82+00



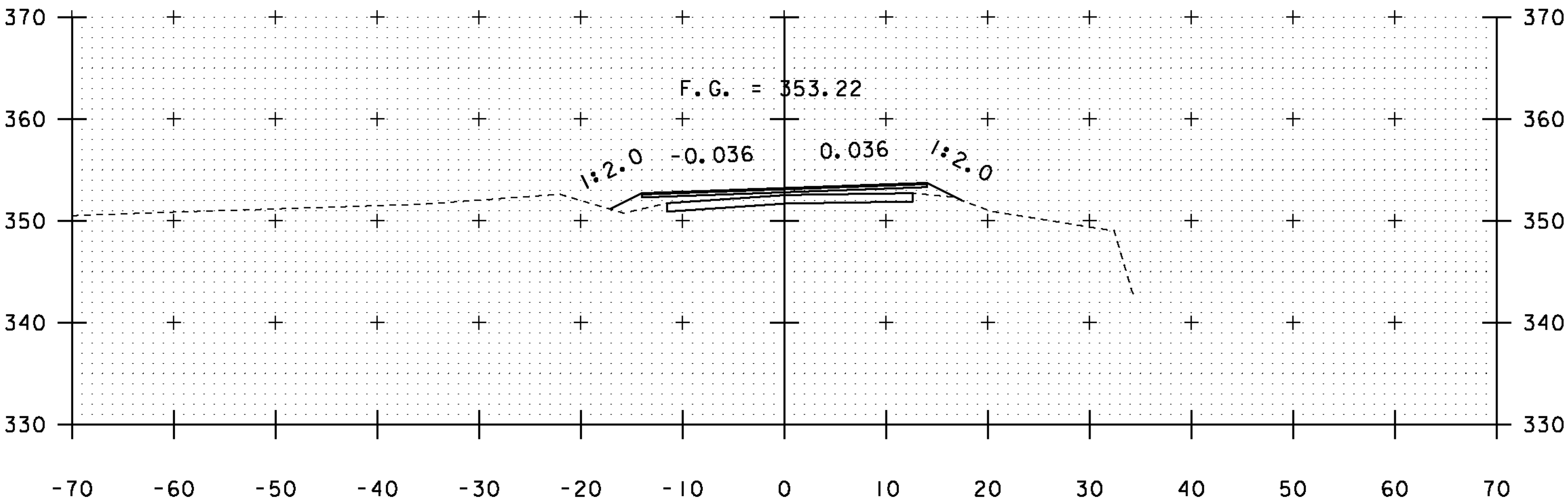
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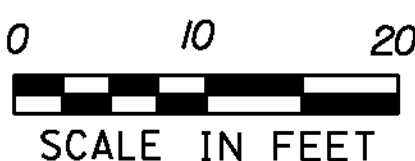
81+50



79+50

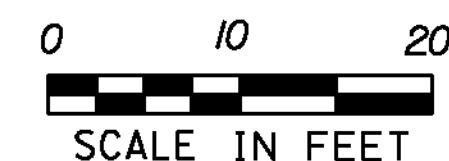
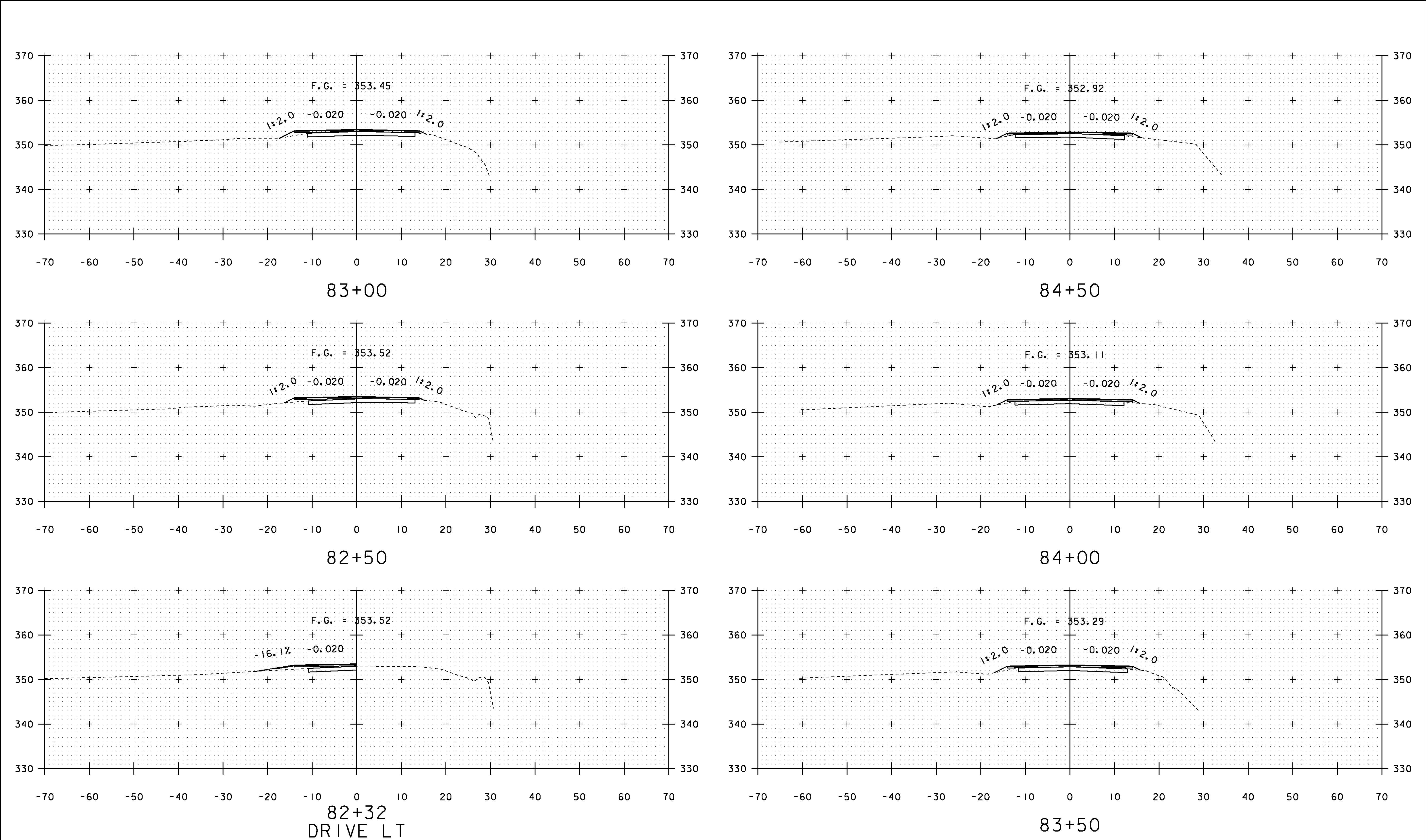


81+00



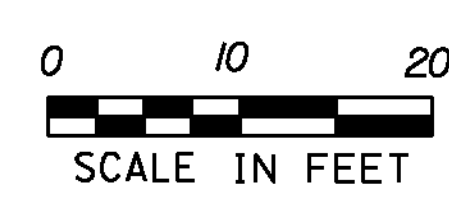
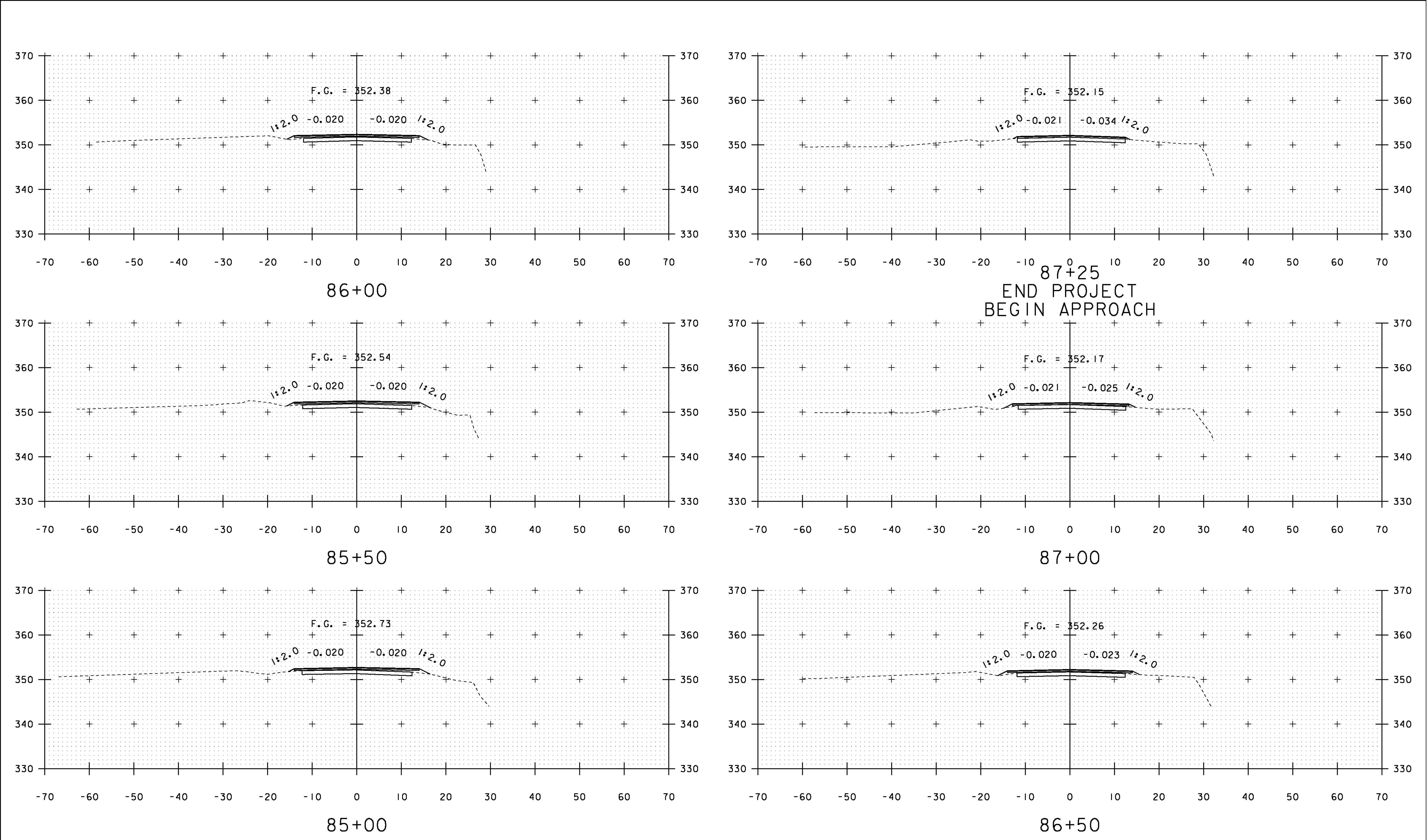
STA. 79+50 TO STA. 82+00

PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 37	SHEET 132 OF 137



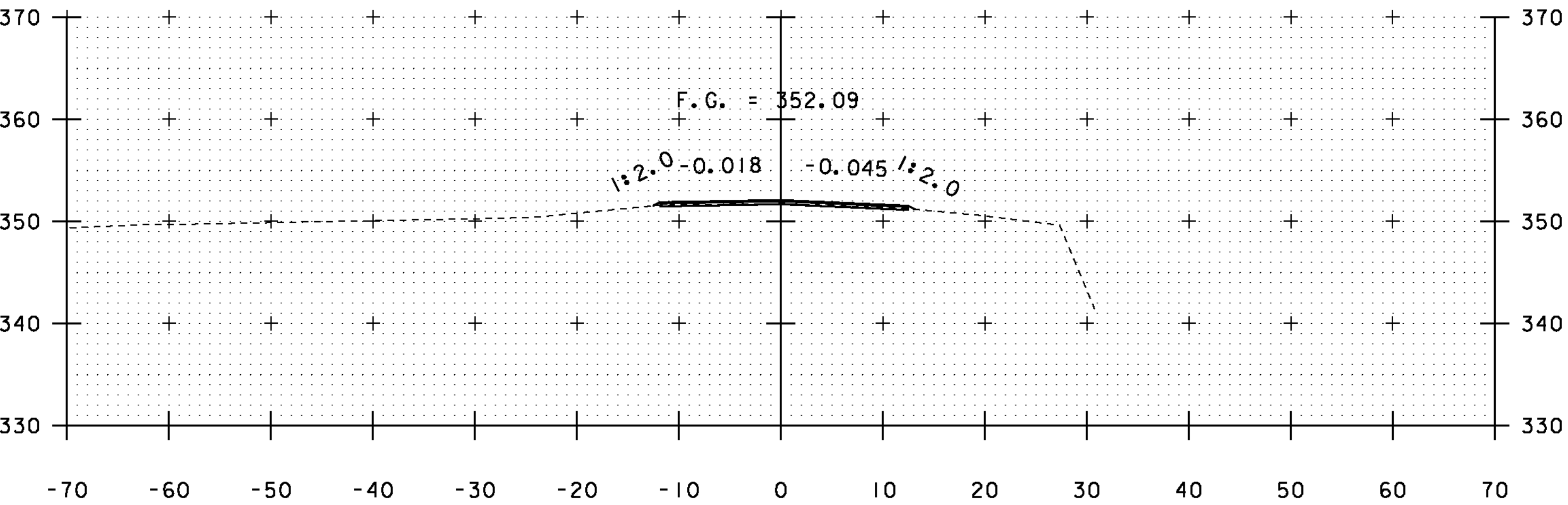
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: d10c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 38	SHEET 133 OF 137

STA. 82+32 TO STA. 84+50

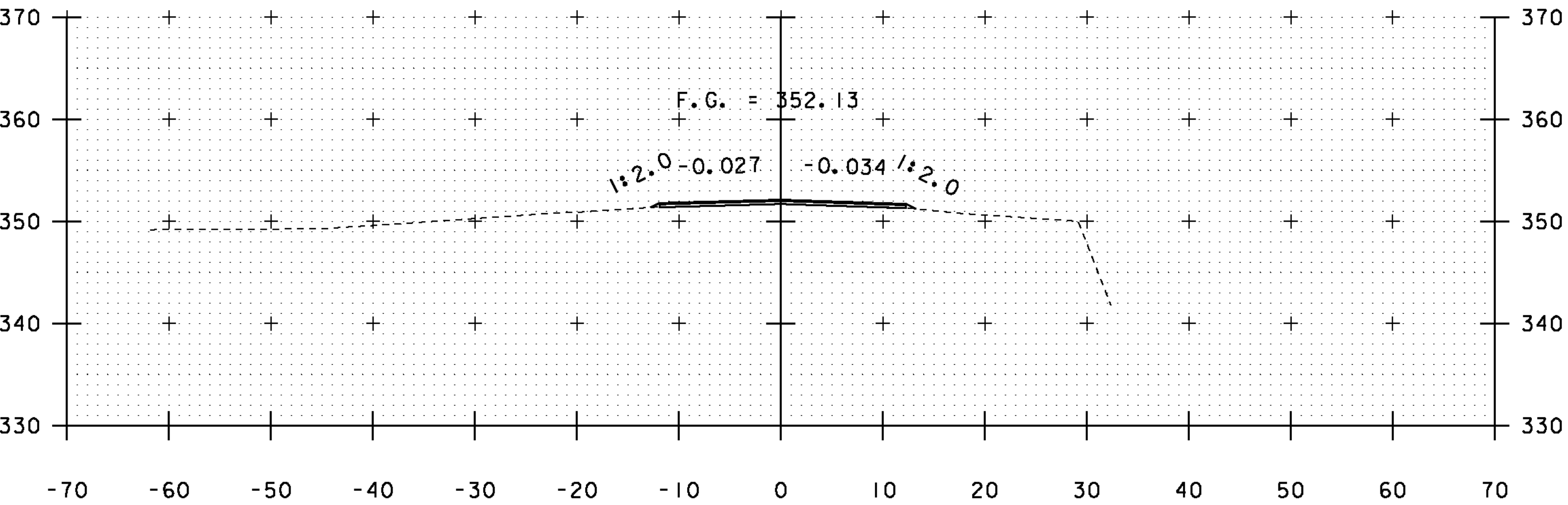


STA. 85+00 TO STA. 87+25

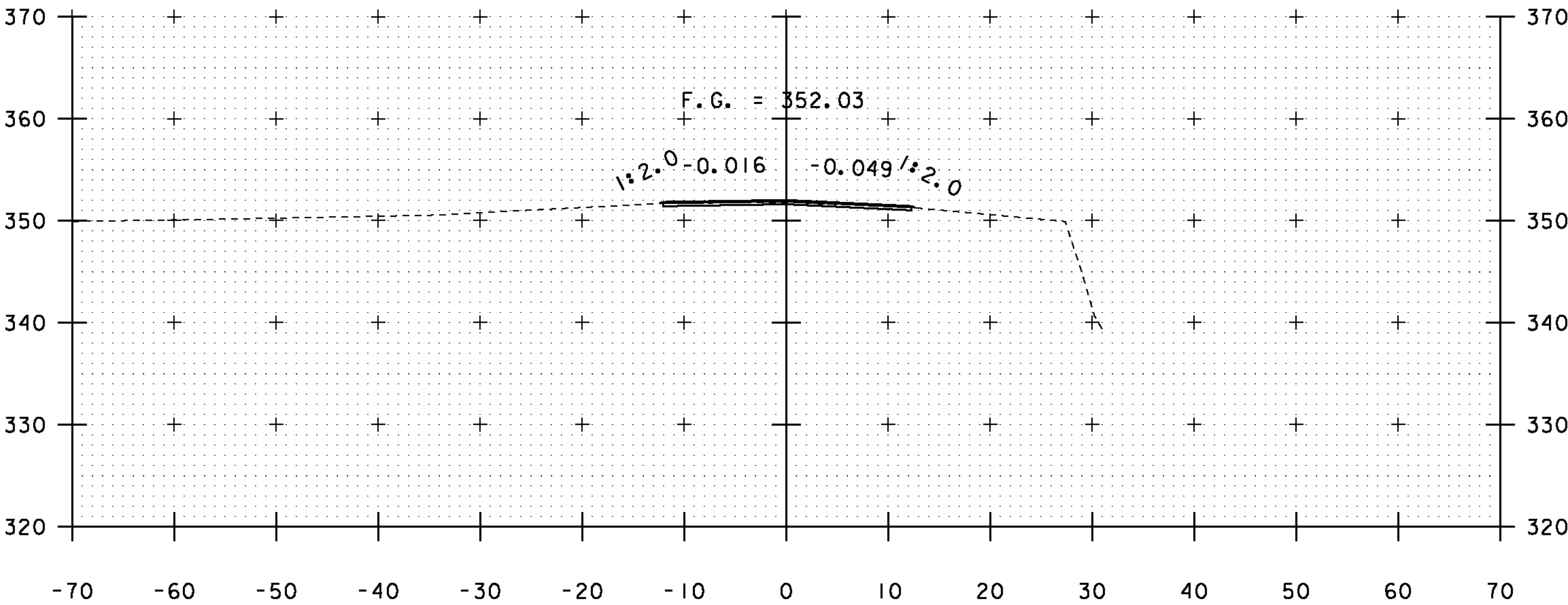
PROJECT NAME: SUDBURY - BRANDON	
PROJECT NUMBER: STP 0158(3)	
FILE NAME: dl0c204_xs.dgn	PLOT DATE: 13-FEB-2013
PROJECT LEADER: K. UPMAL	DRAWN BY: A. KEMPTON
DESIGNED BY: B. MCADAMS	CHECKED BY: N. PAPPAS
VT 73 CROSS SECTIONS 39	SHEET 134 OF 137



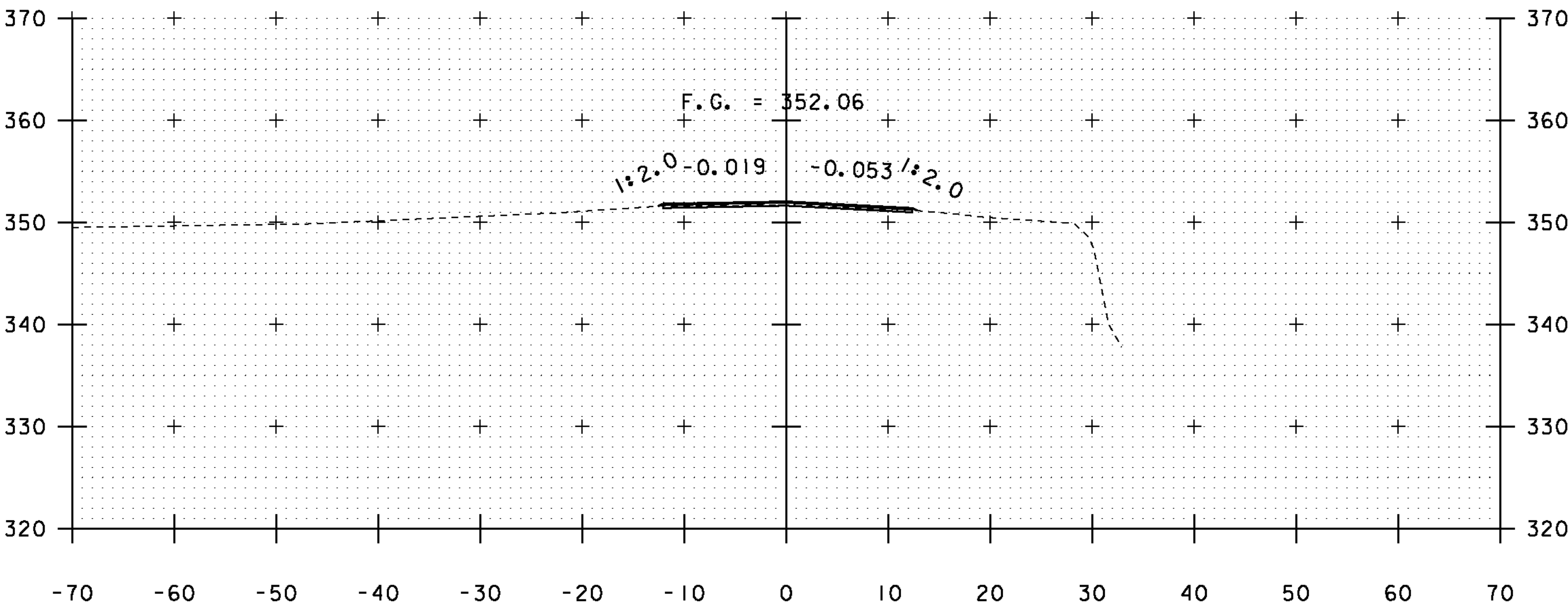
88+00



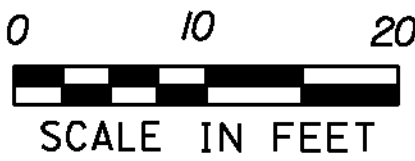
87+50



89+00



88+50

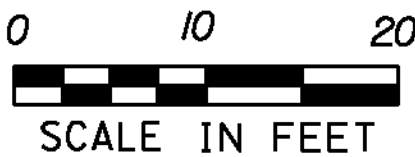
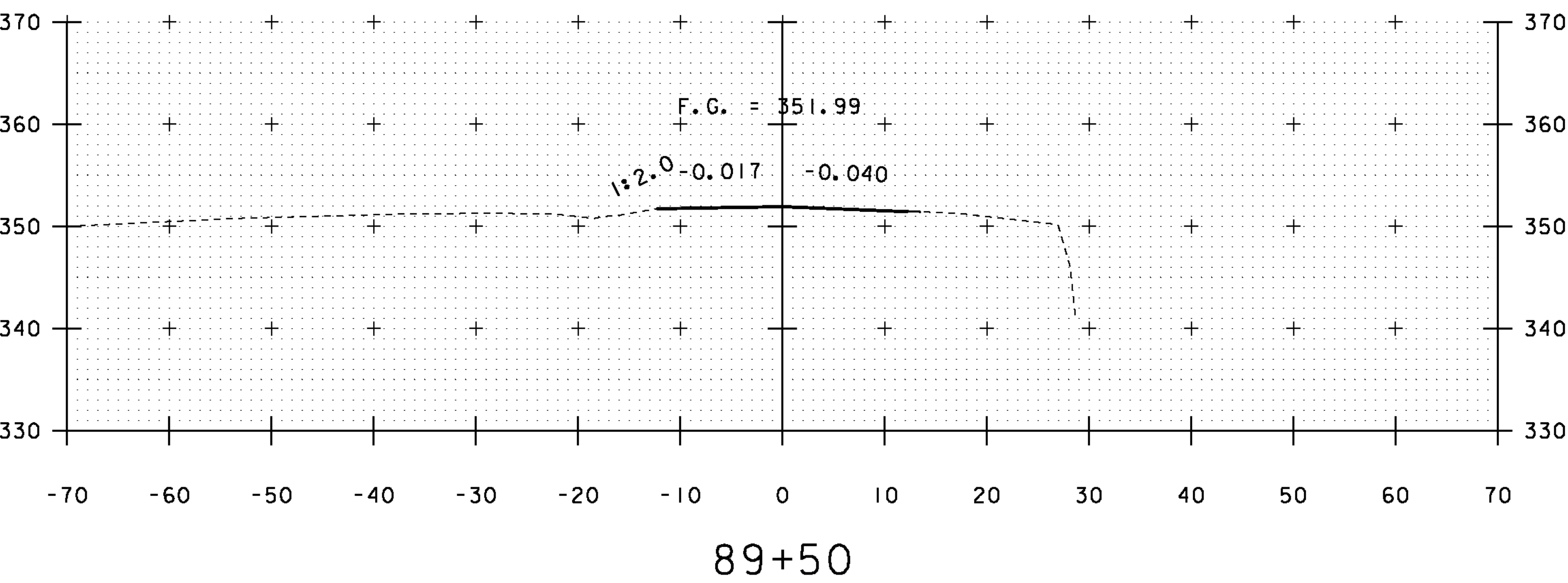
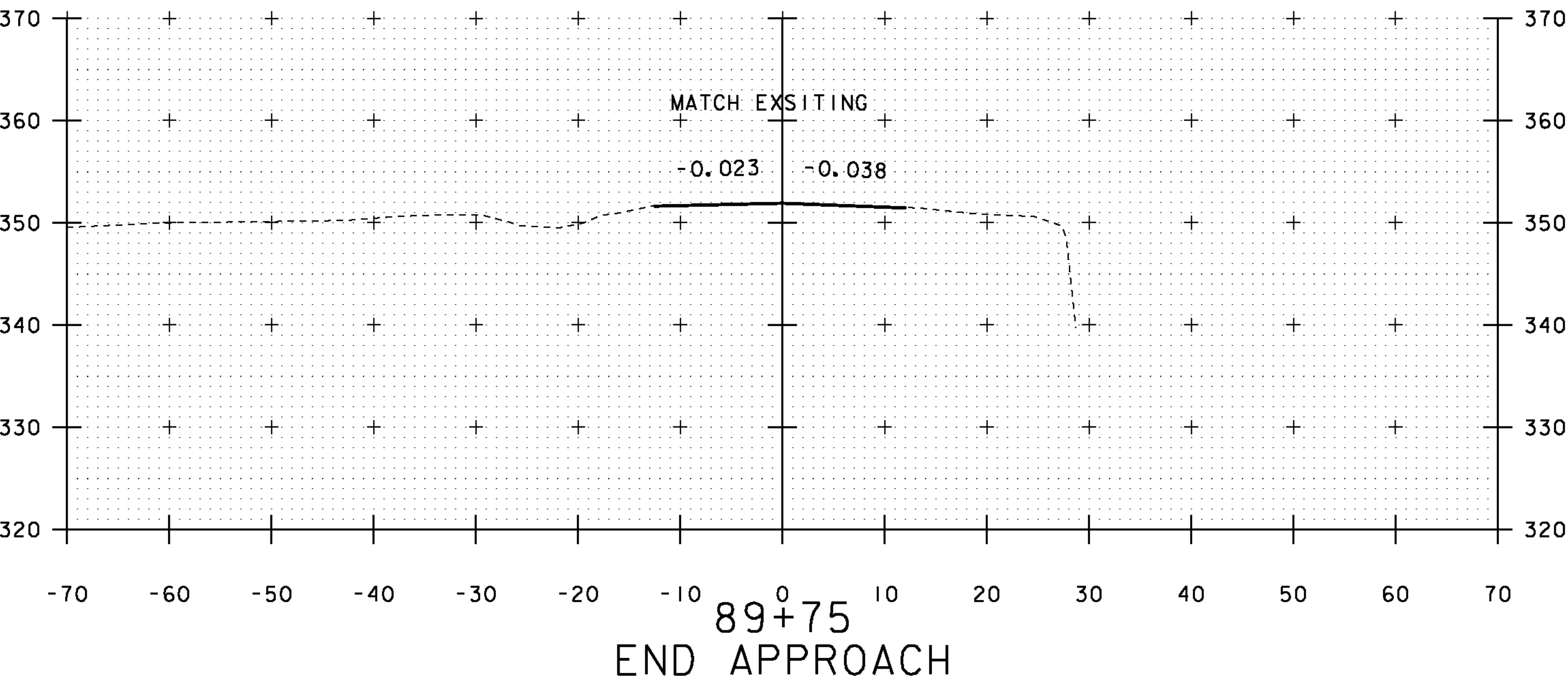


STA. 87+50 TO STA. 89+00

PROJECT NAME: SUDBURY - BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204_xs.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
VT 73 CROSS SECTIONS 40

PLOT DATE: 13-FEB-2013
DRAWN BY: A. KEMPTON
CHECKED BY: N. PAPPAS
SHEET 135 OF 137



STA. 89+50 TO STA. 89+75

PROJECT NAME: SUDBURY - BRANDON

PROJECT NUMBER: STP 0158(3)

FILE NAME: d10c204_xs.dgn

PROJECT LEADER: K. UPMAL

DESIGNED BY: B. MCADAMS

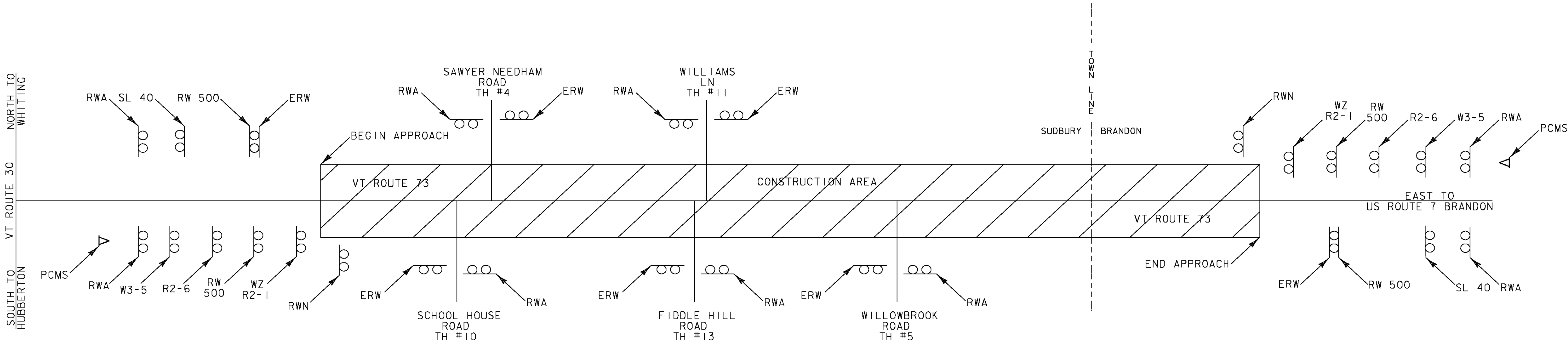
VT 73 CROSS SECTIONS 4I

PLOT DATE: 13-FEB-2013

DRAWN BY: A. KEMPTON

CHECKED BY: N. PAPPAS

SHEET 136 OF 137



- LEGEND**
- RWA = ROAD WORK AHEAD
 - RW500 = ROAD WORK 500 FT
 - ERW = END ROAD WORK
 - RWN = ROAD WORK NEXT 4.5 MILES
 - ▷ = PCMS - PORTABLE CHANGABLE MESSAGE SIGN

CONSTRUCTION APPROACH SIGNING
SEE STD E-100 FOR SIGN PLACEMENT

NOTE: WHEN DIRECTED BY THE ENGINEER,
"NO OUTLET" SIDE ROADS WILL NOT
REQUIRE CONSTRUCTION SIGNING.

GENERAL NOTES:

- THE BID PRICE FOR TRAFFIC CONTROL, ITEM 641.0, SHALL INCLUDE BUT IS NOT LIMITED TO ALL OF THE FOLLOWING, AS NEEDED: APPROACH AND ON-PROJECT CONSTRUCTION SIGNING, BARRELS, CONES, BARRICADES, TEMPORARY REGULATORY AND WARNING SIGNS, AND POSTS AS DETAILED IN VAOT STANDARDS. ALL ADJUSTING, RELOCATING AND REMOVING OF THESE DEVICES AS DIRECTED BY THE ENGINEER SHALL ALSO BE INCLUDED.
- THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) SHALL BE THE STANDARD FOR ALL TRAFFIC CONTROL DEVICES. EXISTING SIGNS AND MARKINGS SHALL BE VALID UNTIL SUCH TIME AS THEY ARE REPLACED OR RECONSTRUCTED. WHEN NEW TRAFFIC DEVICES ARE ERECTED OR PLACED, OR EXISTING TRAFFIC CONTROL DEVICES ARE REPLACED OR REPAIRED, THE EQUIPMENT, DESIGN, METHOD OF INSTALLATION, PLACEMENT OR REPAIR SHALL CONFORM WITH SUCH STANDARDS. NO CONSTRUCTION SIGNS SHALL BE INSTALLED AS TO INTERFERE OR OBSTRUCT THE VIEW OF EXISTING TRAFFIC CONTROL DEVICES, STOPPING SIGHT DISTANCE, AND CORNER SIGHT DISTANCE FROM DRIVES AND TOWN HIGHWAYS. EXISTING SIGNS WHICH CONFLICT WITH TEMPORARY TRAFFIC CONTROL SHALL BE COMPLETELY COVERED OR REMOVED. CONES SHALL BE USED ALONG THE ENTIRE LENGTH OF THE LANE CLOSURE TO DELINEATE THE TRAVEL SPACE. THE COSTS ASSOCIATED WITH ALL WORK DESCRIBED IN THIS NOTE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 641.0, TRAFFIC CONTROL.
- SEE VAOT STANDARD E-100 FOR ADDITIONAL SIGN PLACEMENT DETAILS.
- CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH PART 6 OF THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS AND SPECIAL PROVISIONS.
- DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK TEXT AND BORDER ON A RETROREFLECTIVE FLUORESCENT ORANGE BACKGROUND.
- RETROREFLECTIVE SHEETING SHALL BE ASTM D 4956 TYPE III OR VIII MINIMUM AS NOTED ON VAOT STANDARD E-100 AND IN SUBSECTION 750.08.
- CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED AS OUTLINED IN THE SPECIAL PROVISIONS.
- WHERE TEMPORARY SIGNS ARE PLACED BEHIND GUARDRAIL, THEY SHALL BE ADJUSTED SUCH THAT THE BOTTOMS OF THE SIGNS ARE ABOVE THE TOP OF GUARDRAIL.
- AS THE PAVING OPERATION MOVES, FLAGGER SIGNS SHALL BE MOVED ACCORDINGLY. AT NO TIME SHOULD THE FLAGGER SYMBOL SIGN BE MORE THAN 1000 FEET FROM THE FLAGGER STATION. FLAGGER SIGNS SHALL BE COVERED OR TURNED AWAY FROM TRAFFIC WHEN FLAGGING OPERATIONS CEASE FOR LONGER THAN 15 MINUTES.

TOWN/STATE HIGHWAY NAME	ROAD WORK AHEAD	SPEED LIMIT 40 AHEAD	FINES DOUBLED	ROAD WORK 500 FT	SPEED LIMIT 40 W/ WORK ZONE	ROAD WORK NEXT 3 MILES	END ROAD WORK	P C M S	
	(RWA)	(W3-5)	(R2-6)	(RW500)	(R2-1)	(WZ)	(RWN)	(ERW)	▷
BEGIN PROJECT	2	1	1	2	1	1	1	1	1
SCHOOL HOUSE RD (TH #10)	1						1		
SAWYER NEEDHAM RD (TH #4)	1						1		
FIDDLE HILL RD (TH #13)	1						1		
WILLIAMS LN (TH #11)	1						1		
WILLOWBROOK RD (TH #5)	1						1		
END PROJECT	2	1	1	2	1	1	1	1	1
TOTAL	9	2	2	4	2	2	2	7	2

PROJECT NAME: SUDBURY-BRANDON
PROJECT NUMBER: STP 0158(3)

FILE NAME: dl0c204_frm.dgn
PROJECT LEADER: K. UPMAL
DESIGNED BY: B. MCADAMS
CONSTRUCTION APPROACH SIGNING SHEET

PLOT DATE: 14-FEB-2013
DRAWN BY: B. MCADAMS
CHECKED BY: N. PAPPAS
SHEET 137 OF 137