

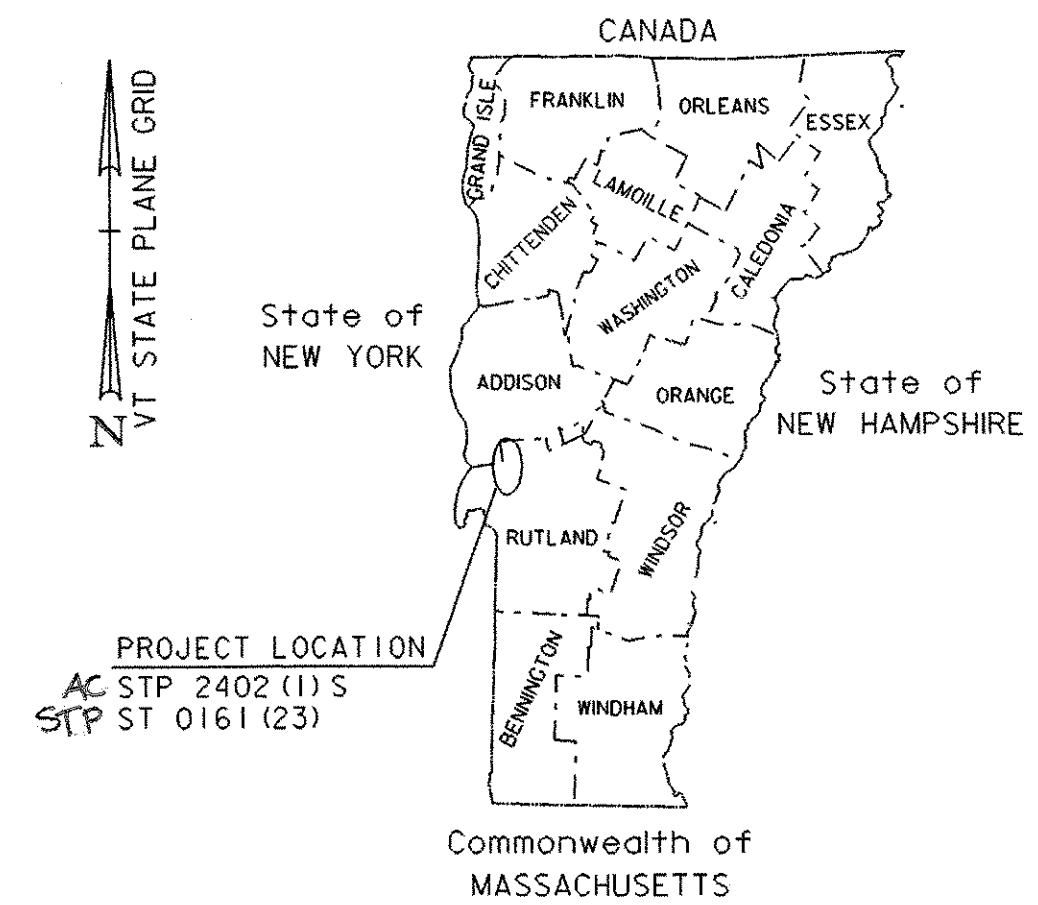
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STATE OF VERMONT
AGENCY OF TRANSPORTATION

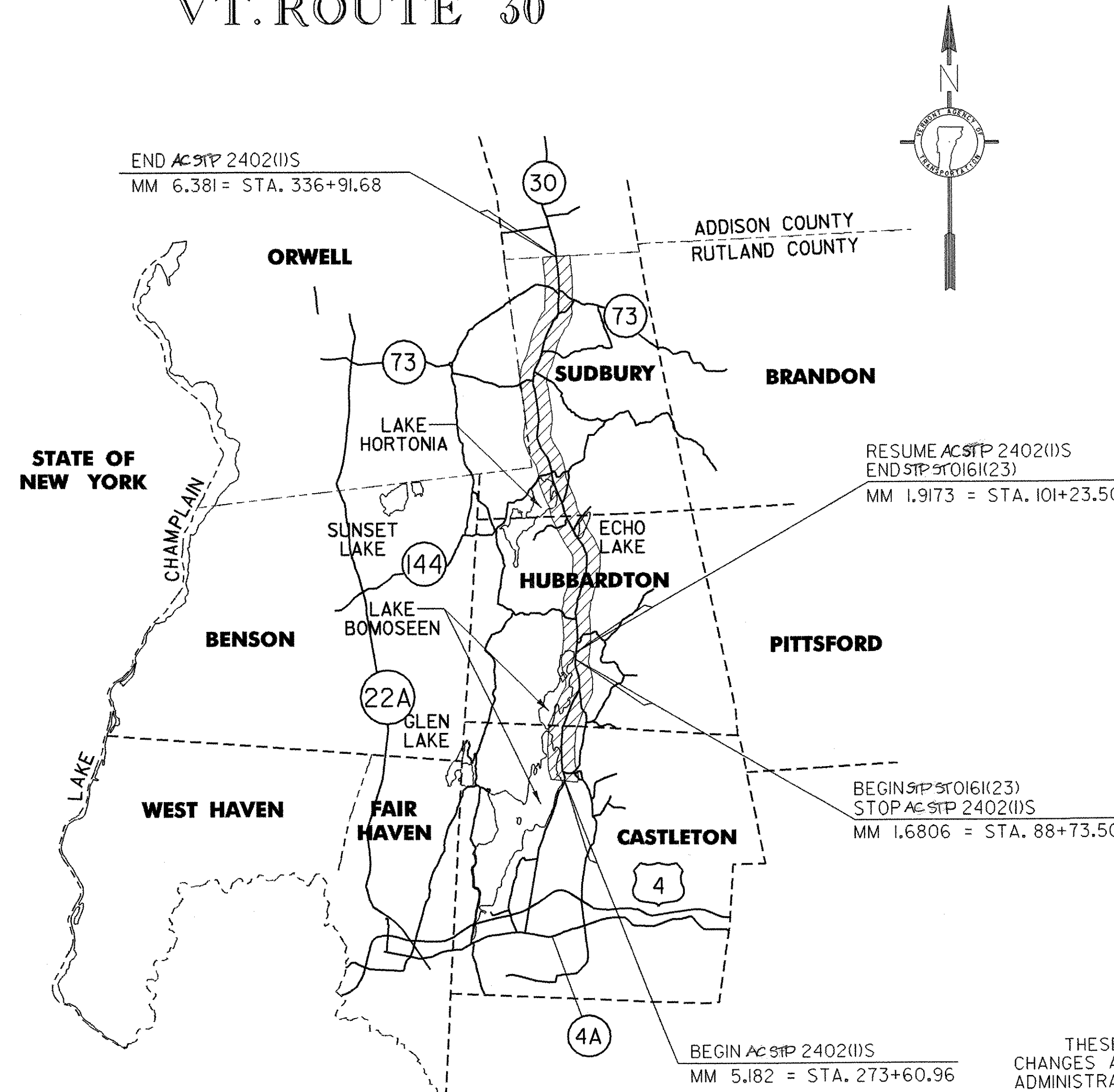


PROPOSED IMPROVEMENT
TOWNS OF CASTLETON, HUBBARDTON & SUDBURY
COUNTY OF RUTLAND
VT. ROUTE 30



VAOT STANDARDS (COMPOSITE)

B-71	RESIDENTIAL AND COMMERCIAL DRIVES	07-08-05
D-6	REINFORCED CONCRETE DROP INLET W/ GRATE (DITCHES)	06-01-94
D-9	REINFORCED CONCRETE DROP INLET TOPS	06-01-94
D-11	GRATES & COVERS (TYPE A)	06-01-94
D-15	CAST IRON GRATE WITH FAME, TYPE D	06-01-94
E-100	CONSTRUCTION APPROACH SIGNS	01-02-04
E-101	CONSTRUCTION SIGN DETAILS	05-30-03
E-102	CONSTRUCTION SIGN DETAILS	06-30-03
E-102A	CONSTRUCTION SIGN DETAILS	05-01-04
E-103	MAINLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	03-01-04
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03-01-04
E-107A	BREAKAWAY BARRICADE DETAILS	08-08-95
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	08-18-95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08-08-95
E-111	MINOR MAINTENANCE OPERATION	03-11-97
E-121	STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD	08-08-95
E-123	GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS	03-16-04
E-136B	STATE ROUTE MARKER DETAILS	08-08-95
E-138	MILE MARKER DETAILS - STATE & TOWN HIGHWAYS	05-30-03
E-141	REGULATORY SIGNS DETAILS	09-20-95
E-143	REGULATORY SIGNS DETAILS	06-15-04
E-152	WARNING SIGN DETAILS	05-01-04
E-155	WARNING SIGN DETAILS	05-01-04
E-160	FLANGED CHANNEL STEEL SIGN POST	05-20-99
E-163	TUBULAR STEEL SIGN POST	05-20-99
E-164	SQUARE STEEL SIGN POST	05-20-99
E-191	PAVEMENT MARKING DETAILS	02-01-99
E-193	PAVEMENT MARKING DETAILS	08-18-95
E-197	DELINEATOR PLACEMENT TYPICAL	04-01-05
E-198	DELINEATORS AND MILE POSTS	04-01-05
E-199	DELINEATOR AND MILEPOST MOUNTING ON BRIDGE RAIL	04-01-05
G-1	STEEL BEAM GUARDRAIL WITH STEEL POSTS	01-03-00
G-1B	BOX BEAM GUARDRAIL	06-01-94
G-1D	ANCHOR FOR STEEL BEAM GUARDRAIL	01-03-00
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11-15-02
J-3	MAILBOX SUPPORT DETAILS	08-07-95



RECORD PLANS

CONTRACTOR: FW WHITCOMB CONSTRUCTION CORP. - WALPOLE, NH

RESIDENT ENGINEER: DAVE HOSKING

CONSTRUCTION BEGAN: JUNE 19, 2006

CONSTRUCTION COMPLETE: NOVEMBER 8, 2006

RECORD PLANS BY: DAVE HOSKING & JUDY GILMORE

I HEREBY CERTIFY THAT ALL THE CONSTRUCTION REQUIRED BY THIS SET OF DRAWINGS HAS BEEN ACCOMPLISHED AS INDICATED HEREIN.

BY *Dave Hosking* RESIDENT ENGINEER

DATE *4/6/07*

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found at Central Files in the electronic archives.

CONVENTIONAL SYMBOLS

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

SURVEYED BY: NA

SURVEYED DATE: NA

DATUM

VERTICAL: NA

HORIZONTAL: NA

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 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

IPARM NAME: 03c044-04c028+1.1
/03c044/Design/03c044-04c028.dgn

DIRECTOR OF PROGRAM DEVELOPMENT

APPROVED *[Signature]* DATE *3-21-07*

PROJECT NAME: CASTLETON-SUDBURY/HUBBARDTON

PROJECT NUMBER: AC STP 2402 (1) S
STP ST 0161 (23)

SHEET 1 OF 92 SHEETS

STATE OF VERMONT AGENCY OF TRANSPORTATION

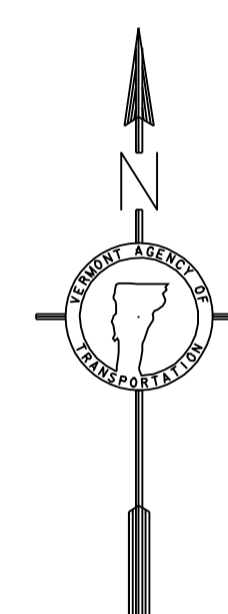
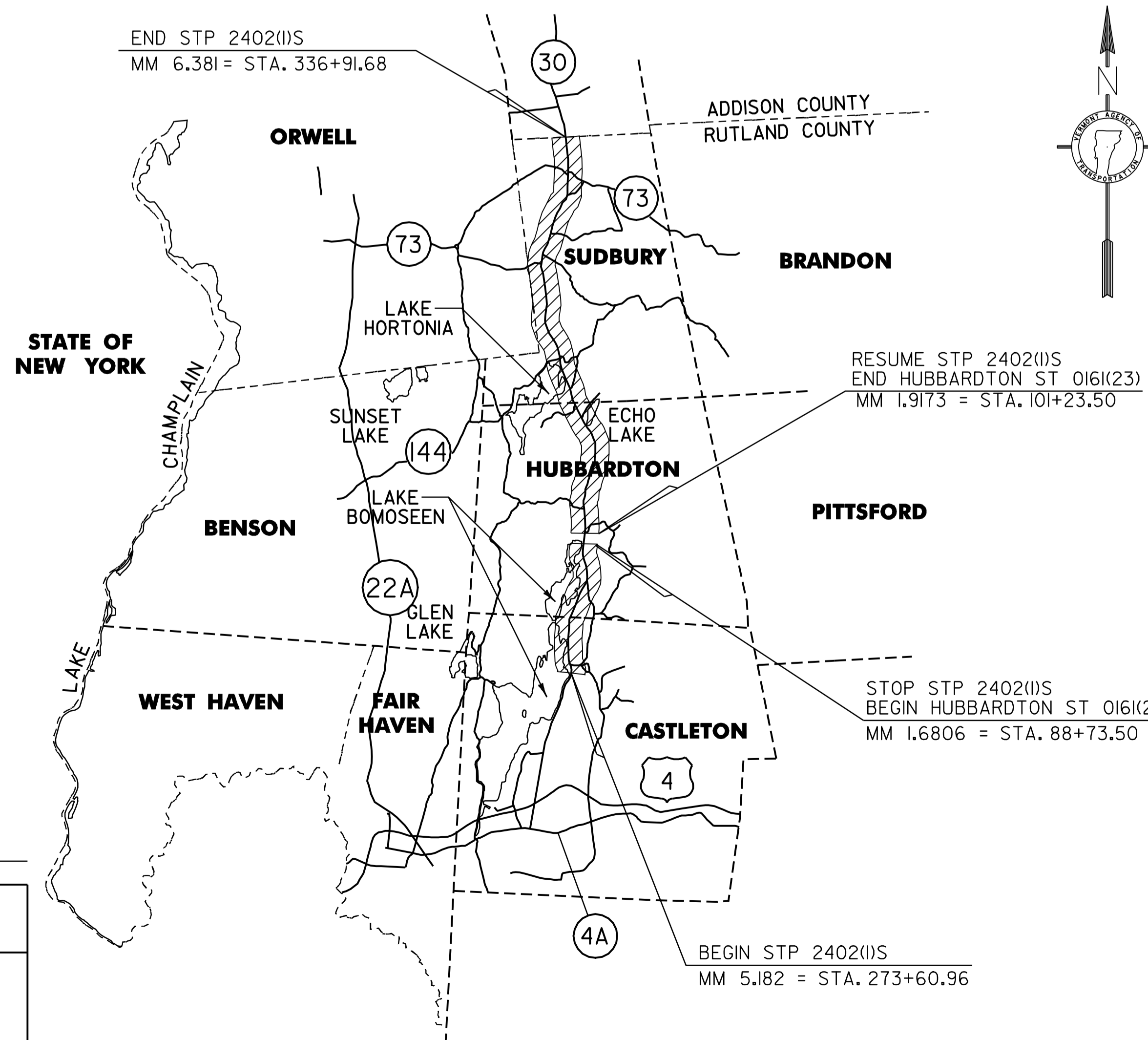
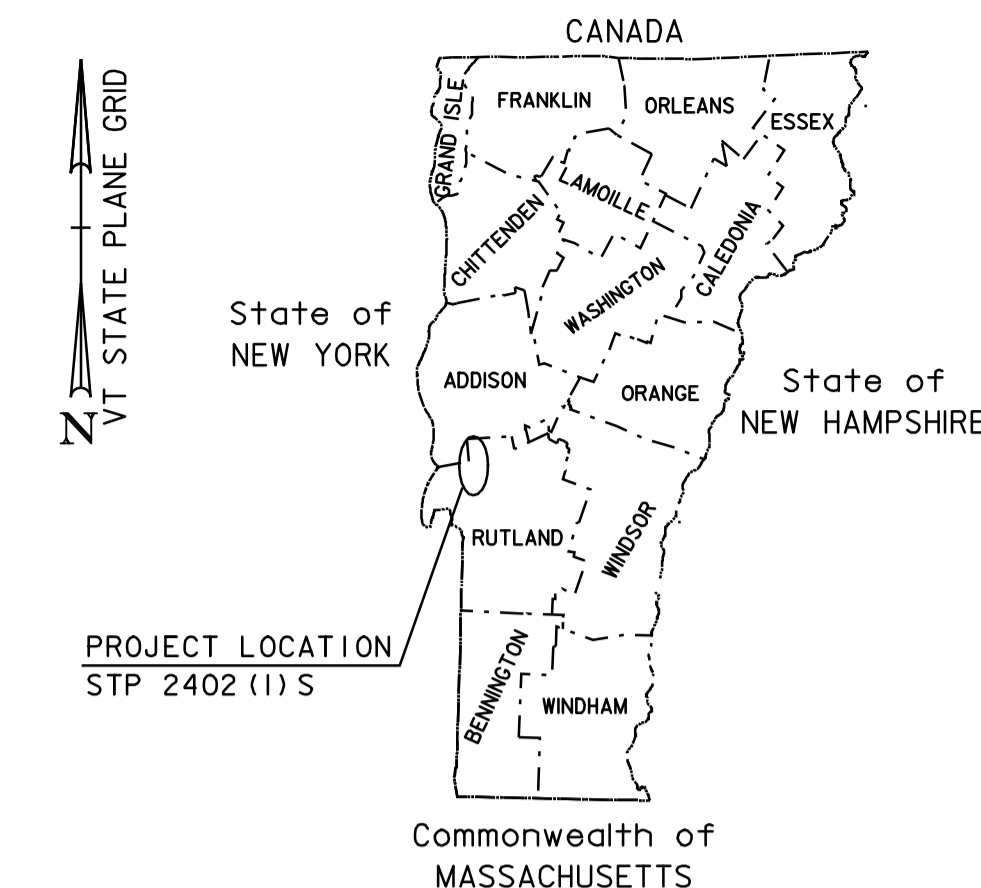


PROPOSED IMPROVEMENT TOWNS OF CASTLETON, HUBBARDTON & SUDBURY COUNTY OF RUTLAND VT. ROUTE 30

BEGINNING IN THE TOWN OF CASTLETON ON VT. ROUTE 30 AT MILE MARKER 5.182 = STA. 273+60.96 AND EXTENDING NORTHERLY FOR A DISTANCE OF 68,133.12 FEET (12.904 MILES) TO A POINT IN THE TOWN OF SUDBURY AT MILE MARKER 6.381 = STA. 336+91.68

LENGTH OF ROADWAY 68,133.12 FT (12.904 MILES)
LENGTH OF PROJECT 66,883.12 FT (12.667 MILES)

WORK TO BE PERFORMED UNDER THIS PROJECT INCLUDES RESURFACING OF THE EXISTING HIGHWAY WITH A SHIM/LEVELING COURSE AND WEARING COURSE, NEW PAVEMENT MARKINGS, DRAINAGE IMPROVEMENTS, GUARDRAIL IMPROVEMENTS, NEW SIGNS AND INCIDENTAL ITEMS.



TRAFFIC DATA

LOCATION	ADT		DHV		ESALS	ESALS
	2006	2016	2006	2016	2006~2016	2006~2026
BEGIN CASTLETON MM 5.182 TO CASTLETON MM 6.430	3600	4200	430	490	425,000	1,033,000
CASTLETON MM 6.430 TO HUBBARDTON MM 2.560	2500	2900	320	360	361,000	863,000
HUBBARDTON MM 2.560 TO SUDBURY MM 1.100	1900	2200	260	290	322,000	767,000
SUDBURY MM 1.100 TO SUDBURY MM 3.350	1600	1900	230	260	355,000	861,000
SUDBURY MM 3.350 TO SUDBURY MM 5.540	2200	2600	290	330	473,000	1,137,000
SUDBURY MM 5.540 TO SUDBURY MM 6.381	1600	1900	230	260	456,000	1,077,000

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 2001, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

CONVENTIONAL SYMBOLS

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

PLANS PREPARED BY

CHA
CLOUGH HARBOUR & ASSOCIATES LLP
111 Winners Circle, PO Box 5269, Albany, NY 12205
Main: (518) 453-4500 • www.cloughharbour.com

BY: _____

SURVEYED BY : NA
SURVEYED DATE : NA

DATUM
VERTICAL NA
HORIZONTAL NA

PROJECT MANAGER : WOOLAVER

PROJECT NAME : CASTLETON - SUDBURY
PROJECT NUMBER : STP 2402 (1) S

SHEET 5 OF 92 SHEETS

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49	MISCELLANEOUS DETAILS SHEET
50	CONSTRUCTION APPROACH SIGNING DETAIL SHEET

VAOT STANDARDS

D-6	REINFORCED CONCRETE DROP INLET W/GRATE (DITCHES)	06-01-94
D-9	REINFORCED CONCRETE DROP INLET TOPS	06-01-94
D-11	GRATES & COVERS (TYPE A)	06-01-94
D-15	CAST IRON GRATE WITH FRAME, TYPE D	06-01-94
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E-101	CONSTRUCTION SIGN DETAILS	05-30-03
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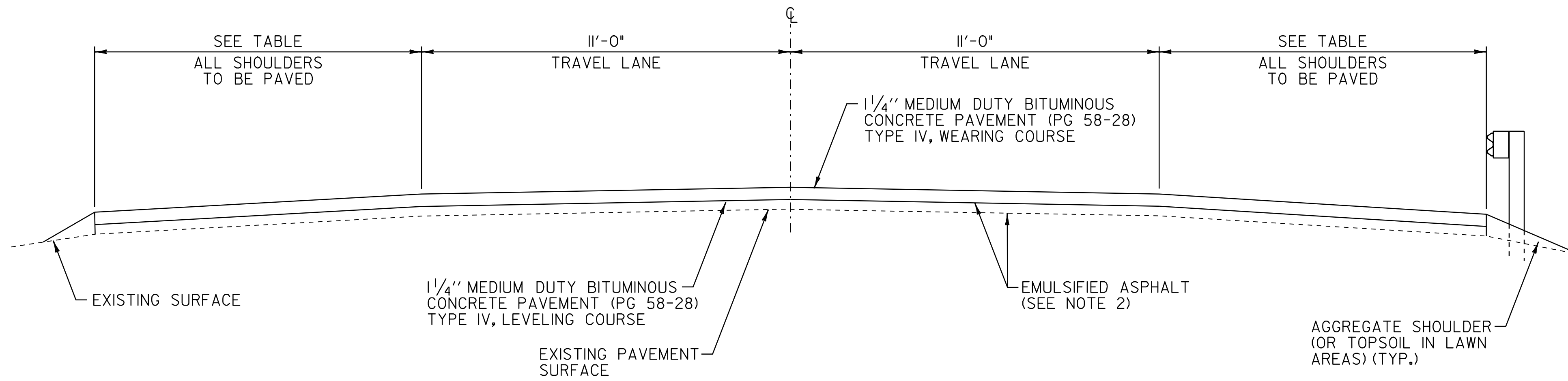
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PROJECT NAME: CASTLETON - SUDBURY
PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:32
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.
IPARM FILE: p04c028is.I	SHEET 6 OF 92

NOTES

1. THE WEARING COURSE SHALL BE TYPE IV MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT. THE LEVELING COURSE SHALL BE TYPE IV MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT. ASPHALT CEMENT USED IN THE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES, BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.015 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4" (TOTAL PAVEMENT THICKNESS EXCLUDING LEVELING).
4. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12 AGGREGATE SHOULDERS.
5. PIPE INLET AND OUTLET AREAS AND AREAS OF DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS SPECIFIED ON PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT SHALL BE MADE UNDER APPLICABLE RENTAL ITEM(S).
6. DITCHING MATERIAL SHALL BE USED FOR THE CONSTRUCTION OF MANUFACTURED TERMINAL FLARES WHICH SHALL BE CAPPED WITH AN ESTIMATED 3" DEPTH OF AGGREGATE SHOULDER MATERIAL (MOD.), UNLESS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITIES INCLUDED REFLECT 5 TONS OF AGGREGATE SHOULDER MATERIAL (MOD.) AND 25 CUBIC YARDS OF DITCHING MATERIAL FOR EACH GUARDRAIL TERMINAL.
7. THE PROPOSED GUARDRAIL SHALL BE INSTALLED IN A LOCATION THAT MAXIMIZES THE DISTANCE FROM THE CENTER OF THE ROAD TO THE FACE OF THE GUARDRAIL. 3' OF BACKING IS REQUIRED BEHIND THE FACE OF THE GUARDRAIL WITH 6' POSTS. IF THIS CANNOT BE OBTAINED, THEN 8' POSTS SHALL BE USED.
8. ALL DRIVES, MAILBOX TURNOUTS AND GRAVEL PULLOUTS SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER. ANY AND ALL REQUIRED EXCAVATION IN DRIVE AREAS SHALL BE AS DIRECTED AND WILL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S). IF REQUIRED, A NEW DRIVEWAY SUBBASE SHALL BE CONSTRUCTED AND WILL BE PAID FOR UNDER ITEM 301.28 SUBBASE OF CRUSHED GRAVEL (FINE GRADED). A NEW BITUMINOUS SURFACE SHALL BE CONSTRUCTED AS DIRECTED AND WILL BE PAID FOR UNDER ITEM 406.27. ESTIMATED QUANTITIES OF THE ABOVE ITEMS HAVE BEEN INCLUDED TO PAY FOR THIS WORK.
9. EXISTING SHOULDER MATERIAL DEEMED UNSUITABLE BY THE RESIDENT ENGINEER SHALL BE EXCAVATED TO A DEPTH OF 3" OR AS DIRECTED BY THE RESIDENT ENGINEER. EXCAVATION WILL BE PAID FOR AS ALL PURPOSE EXCAVATOR OR GRADER RENTAL. MATERIAL REMOVED SHALL BE REPLACED WITH SUBBASE OF CRUSHED GRAVEL (FINE GRADED). EXCAVATED MATERIAL SHALL BE SPREAD ON THE ADJACENT SLOPES OR REMOVED FROM THE PROJECT AS DIRECTED BY THE RESIDENT ENGINEER.
10. ITEM 619.17 YIELDING MARKER POSTS SHALL ONLY BE USED TO DELINEATE PIPE INLETS, OUTLETS, AND DROP INLETS IN THE DITCH LINE.



MAINLINE TYPICAL SECTION

VT. ROUTE 30 CASTLETON	STA. 273+60.96 TO CASTLETON	STA. 346+05.12
VT. ROUTE 30 HUBBARDTON	STA. 0+000.00 TO HUBBARDTON	STA. 88+73.50
VT. ROUTE 30 HUBBARDTON	STA. 101+23.50 TO HUBBARDTON	STA. 271+97.28
VT. ROUTE 30 SUDBURY	STA. 0+000.00 TO SUDBURY	STA. 336+91.68

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE				
% WT.	LBS./A.	NAME	PUR. %	GERM. %
37.5	22.5	CREEPING RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

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

SEED:
TO BE APPLIED PER SEEDING FORMULA OR AS DIRECTED BY THE RESIDENT ENGINEER.

FERTILIZER:
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:
TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER.

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

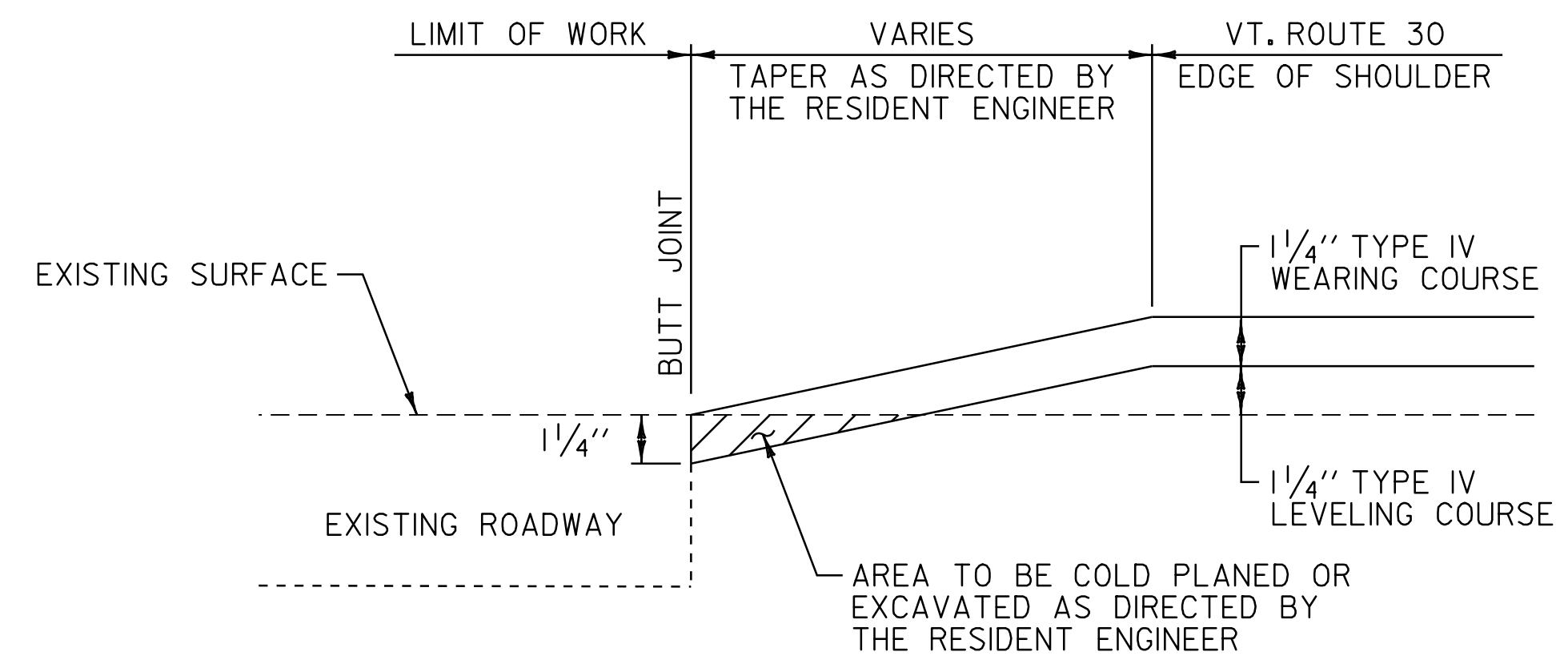
PROJECT PAVING LIMITS

TOWN & ROUTE	BEGIN STATION	END STATION	LANE TYPICAL	WEARING DEPTH	LEVELING TON	NOTES
CASTLETON VT. ROUTE 30	273+60.96	278+60.00	4'-6" - 11'-0" - 11'-0" - 4'-6"	1 1/4"	145	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
CASTLETON VT. ROUTE 30	278+60.00	287+00.00	6'-0" - 11'-0" - 11'-0" - 6'-0"	1 1/4"	321	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
CASTLETON VT. ROUTE 30	287+00.00	346+05.12	2'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/4"	1211	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
HUBBARDTON VT. ROUTE 30	0+00.00	88+73.50	2'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/4"	1838	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
HUBBARDTON VT. ROUTE 30	101+23.50	271+97.28	2'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/4"	3465	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
SUDBURY VT. ROUTE 30	0+00.00	265+50.00	2'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/4"	5388	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
SUDBURY VT. ROUTE 30	265+50.00	281+20.00	4'-0" - 11'-0" - 11'-0" - 4'-0"	1 1/4"	366	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV
SUDBURY VT. ROUTE 30	281+20.00	336+91.68	2'-0" - 11'-0" - 11'-0" - 2'-0"	1 1/4"	1218	LEVEL WITH 1 1/4" TYPE IV & PAVE WITH 1 1/4" TYPE IV

PROJECT TYPICAL SHEET

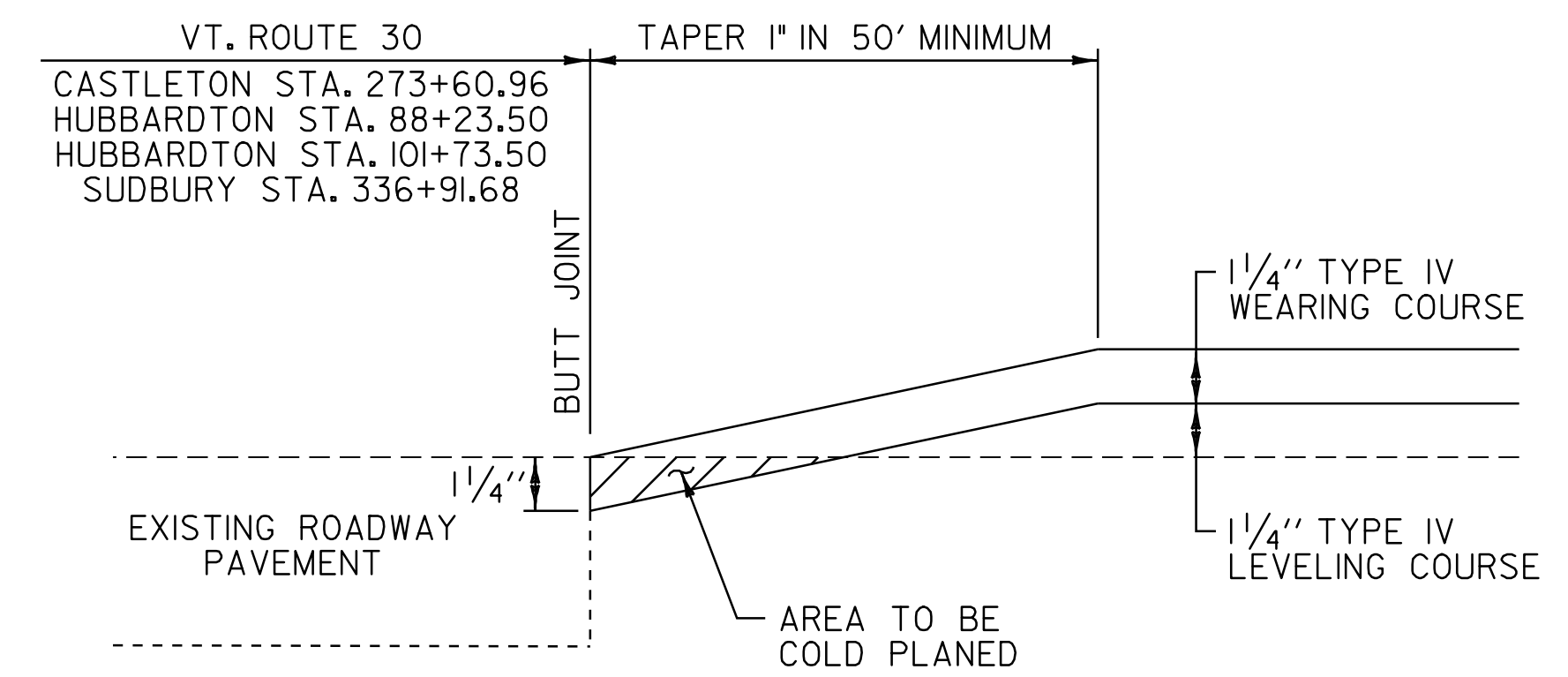
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PROJECT NUMBER: STP 2402(1)S	
FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.
IPARM FILE: p04c028+yp.l	SHEET 7 OF 92

1/4" : 62.5' TAPER FOR MAINLINE BUTT JOINTS



APPROACH AREA DETAIL

CASTLETON:	T-52	T-5
	T-52	T-23
	T-51	T-14
HUBBARDTON:	T-18	T-15
	T-2	T-10
	T-1	T-9
SUDBURY:	T-19	T-23
	T-2	T-24
	T-1	VT. ROUTE 73
	VT. ROUTE 73	T-10
	T-12	T-8
	T-22	



APPROACH AREA DETAIL

VT. ROUTE 30 CASTLETON STA. 273+60.96 - BEGIN OVERLAY
 VT. ROUTE 30 HUBBARDTON STA. 88+73.50 - STOP OVERLAY
 VT. ROUTE 30 HUBBARDTON STA. 101+23.50 - RESUME OVERLAY
 VT. ROUTE 30 SUDBURY STA. 336+91.68 - END OVERLAY

**PAVING
 DETAILS
 SHEET**

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
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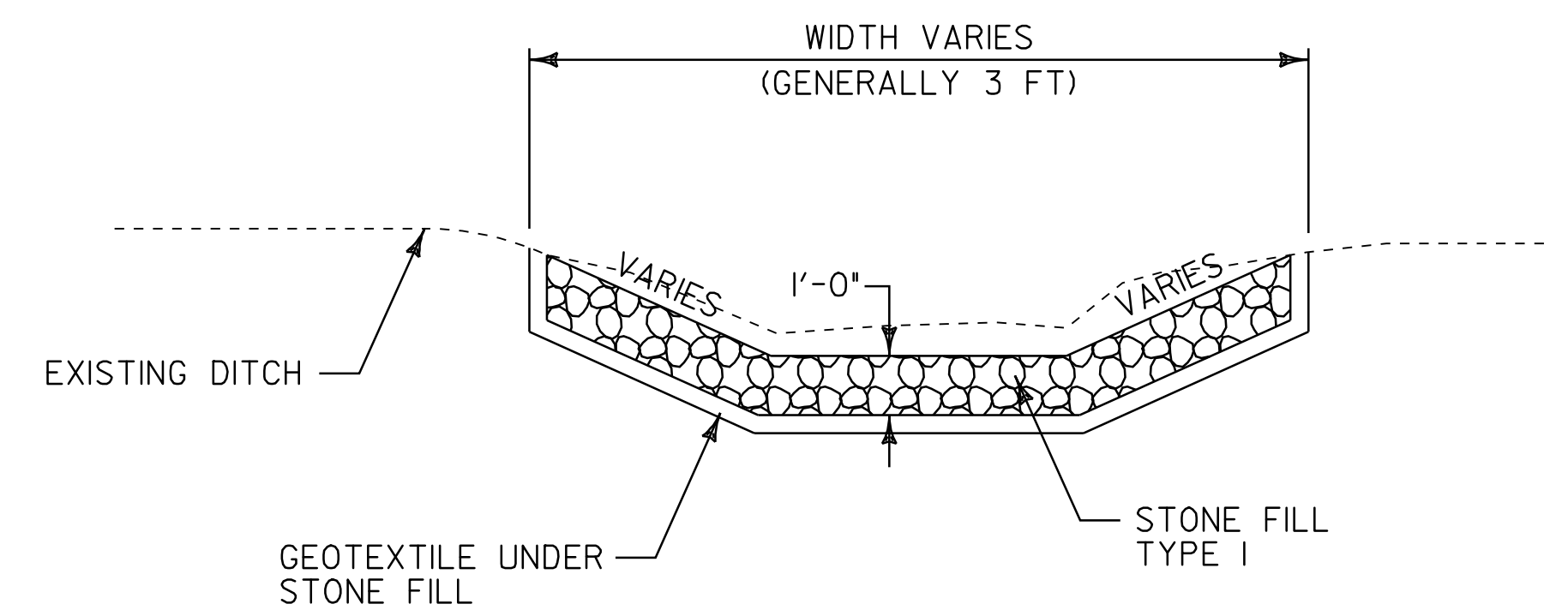
PLOT DATE: 11-JUN-2007 13:52
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 8 OF 92

ITEM DETAIL SUMMARY SHEET

LOCATION			GUARDRAIL (GALVANIZED)							MISC.	REMARKS	
BEGIN STATION	END STATION	POS.	616.35 TREATED TIMBER CURB LF	621.20 STEEL BEAM G.R. LF	621.20 STEEL BEAM G.R. (GAL.) (MOD. - 8' POSTS) LF	621.505 MANU. TERM. SECTION (FLARED) EA	621.505 MANU. TERM. SECTION (TANGENT) EA	621.60 ANCHOR FOR STEEL BEAM G.R. EA	621.80 REMOVE & DISP. G.R. LF	621.81 REMOVE & DISP. G.P. EA		604.412 REHABING DI, CD OR MH CLASS I EA
VT. ROUTE 30 CASTLETON:												
	273+36.5	273+74.0	LT				1		37.5			
	279+45.5	281+20.5	RT		100.0		2		174			
	279+49.5	281+37.0	LT		112.5		2		178			
HUBBARDTON:												
	22+79.0		RT								1	
	26+76.0		RT								1	
	89+86.5	97+49.0	RT		687.5		2		751			
	90+36.5	97+49.0	LT		675.0		2		701			
	105+00.0	106+96.0	RT		172.0		1		3	98		
	105+50.0	107+00.0	LT		75.0		2		114			
	126+87.0		RT								1	
	133+29.0	135+00.0	LT		212.5		2		2	167		
	133+95.5	137+70.5	RT		300.0		2			10		
	135+24.0	137+75.0	LT		325.0		2		2	201		
	186+75.0		RT								1	
	203+17.5	212+55.0	LT		910.0		1		1	934		
	218+10.5	219+75.0	RT		127.0		1		1	102		
	218+33.0	218+80.0	LT		53.0				4	47		
SUDBURY:												
	29+51.0	30+04.0	LT		53.0				2	37		
	29+73.0	32+73.0	RT		225.0		2		299			
	30+19.0	32+58.5	LT		201.5		1		1	199		
	43+23.0	48+73.0	LT		475.0		2		549			
	94+10.0	100+85.0	LT		587.5		1		1	602		
	101+20.5	104+33.0	LT		237.0		2		240			
	104+99.0	111+36.5	LT		562.5		2		360			
	166+30.0	170+05.0	RT		300.0		2		51			
	240+50.0	244+12.5	LT		287.5		2		147			
SHEET SUBTOTAL					3726.5	2952	34	2	15	5988.5	10	4
ROUNDINGS					173.5	148	-	-	-	211.5	-	-
TOTAL					3900	3100	34	2	15	6200	10	4

ITEM DETAIL SUMMARY SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028ids.i	SHEET 11 OF 92	

LOCATION				FEET OF DITCHING				MISC. ITEMS					REMARKS	LOCATION				FEET OF DITCHING				MISC. ITEMS					REMARKS	LOCATION				FEET OF DITCHING				MISC. ITEMS					REMARKS	
SITE	STATION	STATION	POS.	PERCENT GRADE				EROS. MATT.	STONE FILL TYPE I	STONE FILL TYPE II	GEOT. UNDER STONE FILL	SEED		SITE	STATION	STATION	POS.	PERCENT GRADE				EROS. MATT.	STONE FILL TYPE I	STONE FILL TYPE II	GEOT. UNDER STONE FILL	SEED		SITE	STATION	STATION	POS.	PERCENT GRADE				EROS. MATT.	STONE FILL TYPE I	STONE FILL TYPE II	GEOT. UNDER STONE FILL	SEED		
				0-1	1-2.5	2.5-10	>10											0-1	1-2.5	2.5-10	>10											0-1	1-2.5	2.5-10	>10							0-1
VT. ROUTE 30											SY	CY	CY	SY	LB												SY	CY	CY	SY	LB											
CASTLETON:																																										
1	306+24	340+56	RT	2000	1432			667	159		796																															
2	344+25	346+05	LT	180				60																																		
HUBBARDTON:																																										
3	0+00	5+28	LT	528				176																																		
4	0+00	42+24	RT	4224				1408																																		
5	71+28	74+98	RT	370				123																																		
6	116+16	124+61	RT	845				282																																		
7	126+72	179+52	LT	3000	2280			1000	253		1267																															
8	168+96	216+48	RT	2500	2252			833	250		1251																															
9	248+16	253+44	RT		528				59		235																															
SUDBURY:																																										
10	36+96	52+80	RT		1584				176		880																															
11	73+92	79+20	RT		528				59		235																															
12	126+72	158+40	RT	3168				1056																																		
13	188+50	199+05	RT	1055				356																																		
14	221+92	232+32	RT	1056				352																																		
SUBTOTAL				18926	8604			6313	956		4664																															
ROUNDING				574	396			287	44		136																															
TOTALS				19500	9000			6600	1000		4800																															



DITCH DETAIL
N.T.S.

- NOTES:
- PIPE INLET AND OUTLET AREAS AND DITCH CLEANING THROUGHOUT THE PROJECT SHALL BE PERFORMED AT LOCATIONS AND AS DIRECTED BY THE RESIDENT ENGINEER. PAYMENT WILL BE UNDER THE APPLICABLE EQUIPMENT RENTAL ITEM(S).
 - AN ESTIMATED QUANTITY OF EROSION MATTING, SEED, STONE FILL TYPE I AND STONE FILL TYPE II HAS BEEN INCLUDED AS NEEDED. DITCHES WITH A GRADE LESS THAN 1 PERCENT SHALL BE SEEDED. EROSION MATTING SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 1 AND 2.5 PERCENT, STONE FILL TYPE I, SHALL BE USED IN ALL DITCHES WITH A GRADE BETWEEN 2.5 AND 10 PERCENT AND STONE FILL TYPE II SHALL BE USED IN ALL DITCHES WITH A GRADE GREATER THAN 10 PERCENT OR AS DIRECTED BY THE RESIDENT ENGINEER.

DITCH CLEANING DETAIL SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028dd.i	SHEET 12 OF 92	

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

CASTLETON:
 STA. 273+60.96 - STA. 289+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

CASTLETON:
 STA. 273+60.96 - STA. 289+00.00 S - C - RT S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

CASTLETON:
 STA. 273+60.96 - STA. 289+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

CASTLETON:
 STA. 273+60.96 - STA. 289+00.00 S - C - RT S

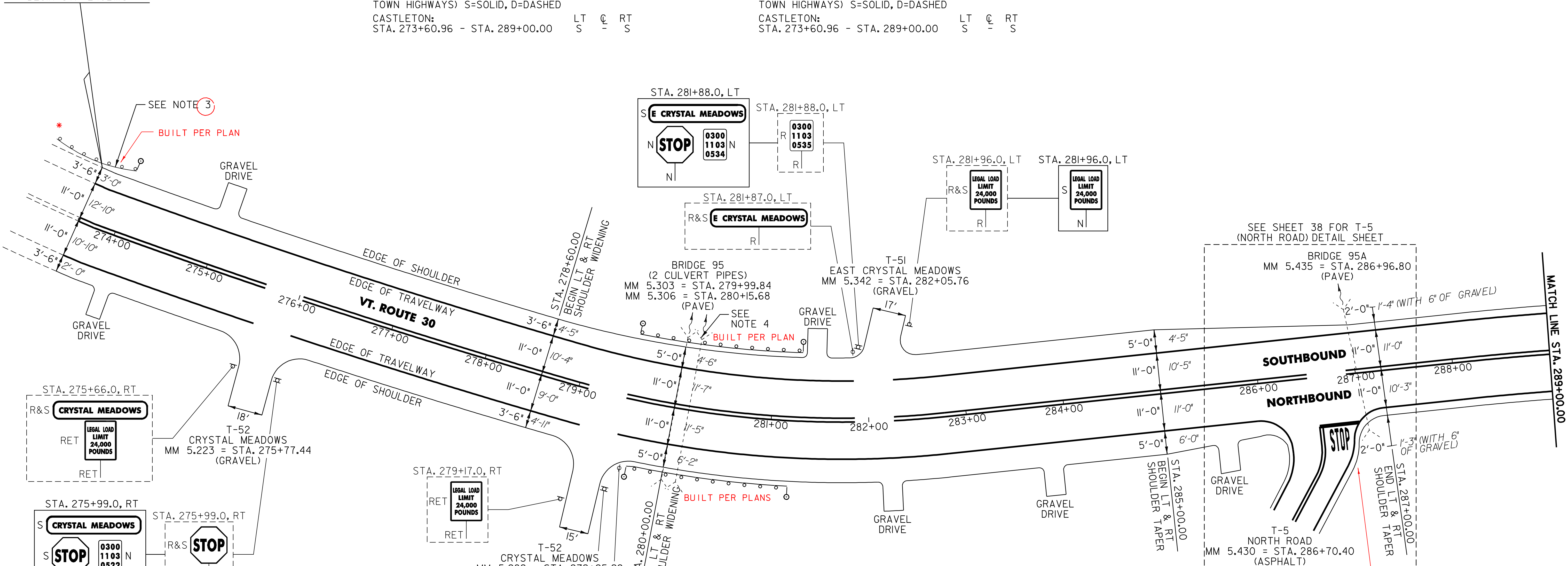
675.50 REMOVING SIGNS

AS SHOWN - 7

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 6

VT. ROUTE 30
 MM 5.182 = STA. 273+60.96
 BEGIN STP 2402(I)S



SEE SHEET 38 FOR T-5 (NORTH ROAD) DETAIL SHEET

BRIDGE 95A
 MM 5.435 = STA. 286+96.80 (PAVE)

SOUTHBOUND

NORTHBOUND

MATCH LINE STA. 289+00.00

SEE DETAIL FOR AS-BUILTS

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- REMOVE EXISTING GUARDRAIL END SECTION AND INSTALL NEW MANUFACTURED TERMINAL SECTION (FLARED) AS DIRECTED BY THE RESIDENT ENGINEER. REMAINING EXISTING RAIL SHALL BE RETAINED.
- SEE SHEET 49 FOR STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL AND STEEL BEAM GUARDRAIL AT LARGE CULVERTS DETAIL.

621.20 STEEL BEAM GUARDRAIL (GALVANIZED)

CASTLETON:
 STA. 279+83.0 - STA. 280+83.0 RT (100.0 LF)
 STA. 279+87.0 - STA. 280+99.5 LT (112.5 LF)
 STA. 273+24.0 - STA. 273+36.5 LT (12.5 LF)

621.80 REMOVAL & DISPOSAL OF GUARDRAIL

CASTLETON: 24.0
 * STA. 273+36.5 - STA. 273+74.0 LT (37.5 LF)
 STA. 279+46.0 - STA. 281+20.0 RT (174.0 LF)
 STA. 279+55.0 - STA. 281+33.0 LT (178.0 LF)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

CASTLETON:
 STA. 273+36.5 - STA. 273+74.0 LT
 STA. 279+45.5 - STA. 279+83.0 RT
 STA. 279+49.5 - STA. 279+87.0 LT
 STA. 280+83.0 - STA. 281+20.5 RT
 STA. 280+99.5 - STA. 281+37.0 LT

676.10 DELINEATORS WITH STEEL POSTS

TYPE I WHITE
 CASTLETON:
 STA. 273+74.0 LT STA. 281+20.5 LT
 STA. 279+45.5 RT STA. 281+37.0 LT
 STA. 279+49.5 LT

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

PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
	PROJECT LEADER: D.E.G. DESIGNED BY: D.W.E. IPARM FILE: p04c028101.i	DRAWN BY: C.A.K. CHECKED BY: D.E.G. SHEET 13 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

CASTLETON:
 STA. 289+00.00 - STA. 321+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

CASTLETON:
 STA. 289+00.00 - STA. 321+00.00 LT C RT
 S - S

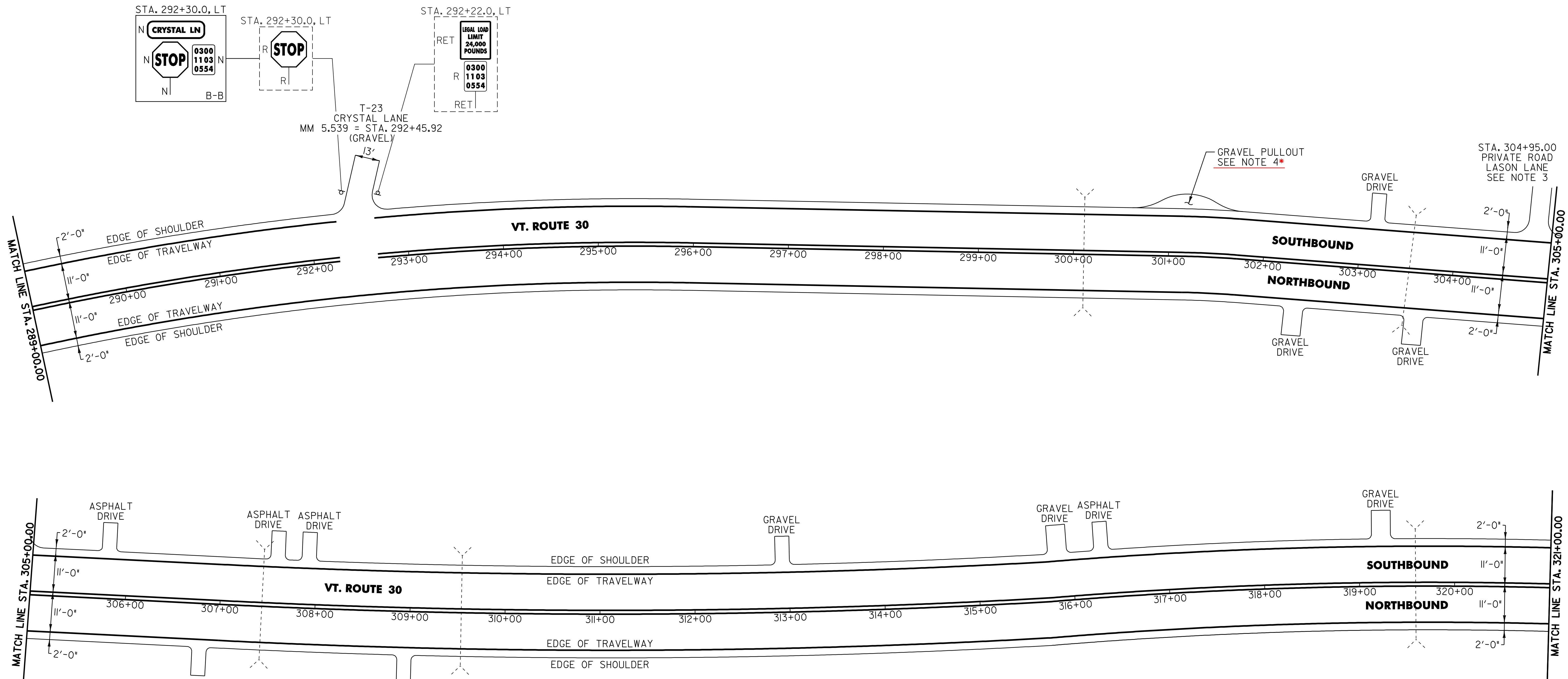
646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

CASTLETON:
 STA. 289+00.00 - STA. 321+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

CASTLETON:
 STA. 289+00.00 - STA. 321+00.00 LT C RT
 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 2



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- PROVIDE A 15 FT WIDE 1 1/4" TYPE IV APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
- PROVIDE A 5 FT WIDE 1 1/4" TYPE IV APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

* NOT PAVED BANK
 OF ROAD TOO INCON-
 SISTENT WITH PULL-
 OFF

SIGN LEGEND

- R = REMOVE
- S = SALVAGE
- N = NEW
- RET = RETAIN
- B-B = BACK TO BACK
- EXISTING = - - - - -
- NEW = _____

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028102.i

PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 14 OF 92

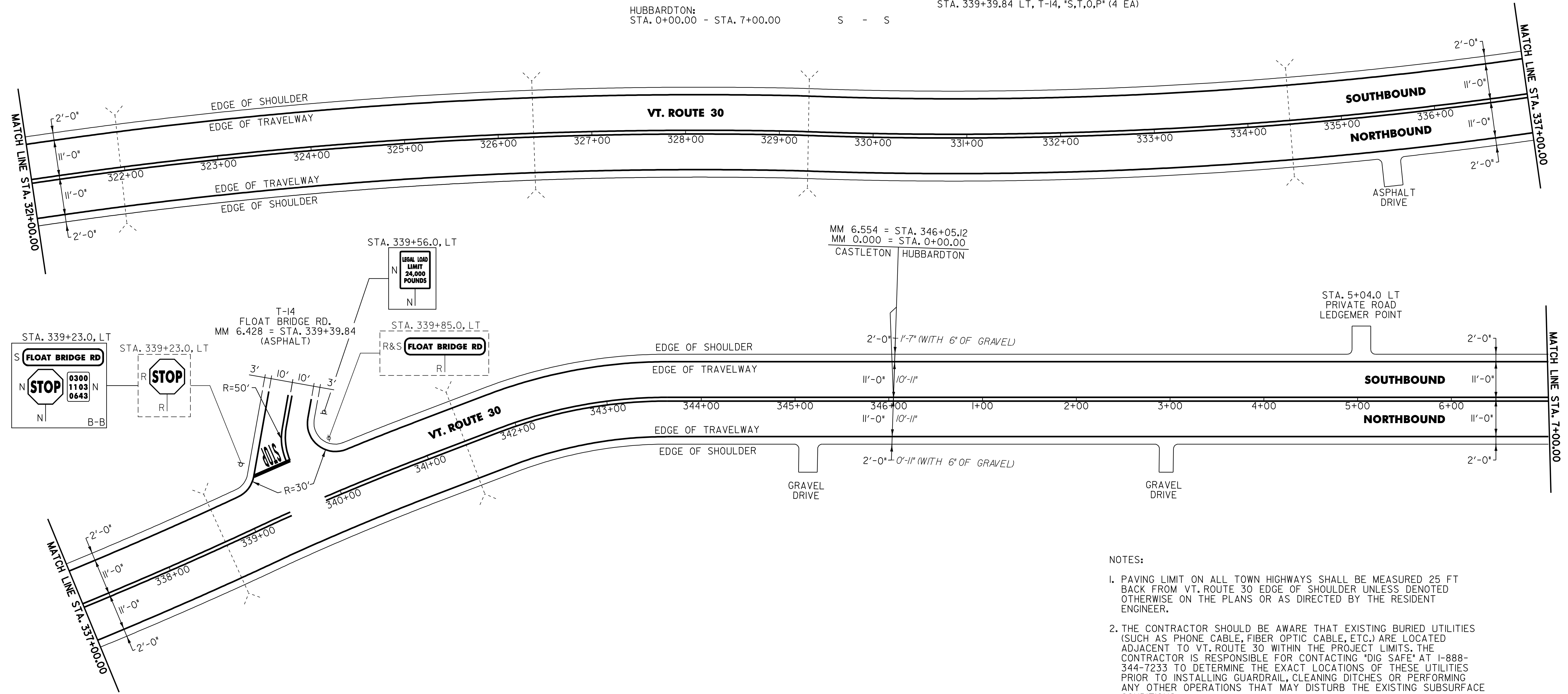
646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA. 321+00.00 - STA. 346+05.12 EDGE LINE LT & RT
 HUBBARDTON:
 STA. 0+00.00 - STA. 7+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA. 321+00.00 - STA. 346+05.12
 STA. 339+39.84 DOUBLE SOLID LT, T-14
 HUBBARDTON:
 STA. 0+00.00 - STA. 7+00.00
 LT C RT
 S - S
 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 CASTLETON:
 STA. 321+00.00 - STA. 346+05.12 EDGE LINE LT & RT
 HUBBARDTON:
 STA. 0+00.00 - STA. 7+00.00 EDGE LINE LT & RT
 646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA. 321+00.00 - STA. 346+05.12
 STA. 339+39.84 DOUBLE SOLID LT, T-14
 HUBBARDTON:
 STA. 0+00.00 - STA. 7+00.00
 LT C RT
 S - S
 S - S

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 CASTLETON:
 STA. 339+39.84 LT, T-14
 646.66 TEMPORARY 24" STOP BAR (PAINT)
 CASTLETON:
 STA. 339+39.84 LT, T-14
 646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 CASTLETON:
 STA. 339+39.84 LT, T-14, "S,T,O,P" (4 EA)
 646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
 CASTLETON:
 STA. 339+39.84 LT, T-14, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 2
 675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028i03.i	SHEET 15 OF 92	

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 7+00.00 - STA. 39+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

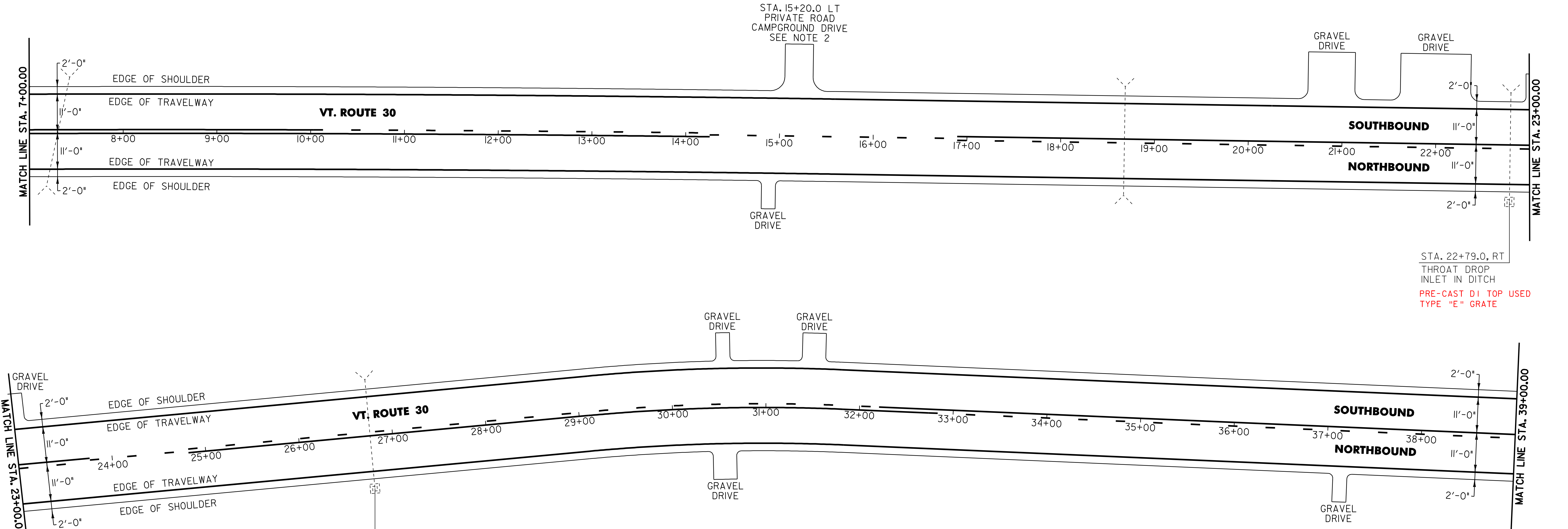
HUBBARDTON:	LT	CL	RT
STA. 7+00.00 - STA. 10+03.00	S	-	S
STA. 10+03.00 - STA. 14+25.00	D	-	S
STA. 14+25.00 - STA. 16+89.00	-	D	-
STA. 16+89.00 - STA. 23+76.00	S	-	D
STA. 23+76.00 - STA. 24+82.00	-	D	-
STA. 24+82.00 - STA. 32+21.00	D	-	S
STA. 32+21.00 - STA. 32+74.00	S	-	S
STA. 32+74.00 - STA. 39+00.00	S	-	D

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 7+00.00 - STA. 39+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON:	LT	CL	RT
STA. 7+00.00 - STA. 10+03.00	S	-	S
STA. 10+03.00 - STA. 14+25.00	D	-	S
STA. 14+25.00 - STA. 16+89.00	-	D	-
STA. 16+89.00 - STA. 23+76.00	S	-	D
STA. 23+76.00 - STA. 24+82.00	-	D	-
STA. 24+82.00 - STA. 32+21.00	D	-	S
STA. 32+21.00 - STA. 32+74.00	S	-	S
STA. 32+74.00 - STA. 39+00.00	S	-	D



STA. 26+76.0, RT
 THROAT DROP
 INLET IN DITCH
 PRE-CAST DI TOP
 USED TYPE "E" GRATE

STA. 22+79.0, RT
 THROAT DROP
 INLET IN DITCH
 PRE-CAST DI TOP USED
 TYPE "E" GRATE

NOTES:

- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- PROVIDE A 15 FT WIDE 1/4" TYPE IV APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

604.412 REHABING DI, CB OR MH, CLASS I

HUBBARDTON:
 STA. 22+79.0 RT
 STA. 26+76.0 RT

**PROJECT
 LAYOUT
 SHEET**

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn PLOT DATE: 11-JUN-2007 13:33
 PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
 DESIGNED BY: D.W.E. CHECKED BY: D.E.G.
 IPARM FILE: p04c028104.i SHEET 16 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 39+00.00 - STA. 55+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 39+00.00 - STA. 39+60.00 S - D
 STA. 39+60.00 - STA. 40+13.00 S - S
 STA. 40+13.00 - STA. 47+26.00 D - S
 STA. 47+26.00 - STA. 55+00.00 S - S
 STA. 47+78.40 DOUBLE SOLID RT, T-6

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 39+00.00 - STA. 55+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 39+00.00 - STA. 39+60.00 S - D
 STA. 39+60.00 - STA. 40+13.00 S - S
 STA. 40+13.00 - STA. 47+26.00 D - S
 STA. 47+26.00 - STA. 55+00.00 S - S
 STA. 47+78.40 DOUBLE SOLID RT, T-6

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 HUBBARDTON:
 STA. 47+78.40 RT, T-6

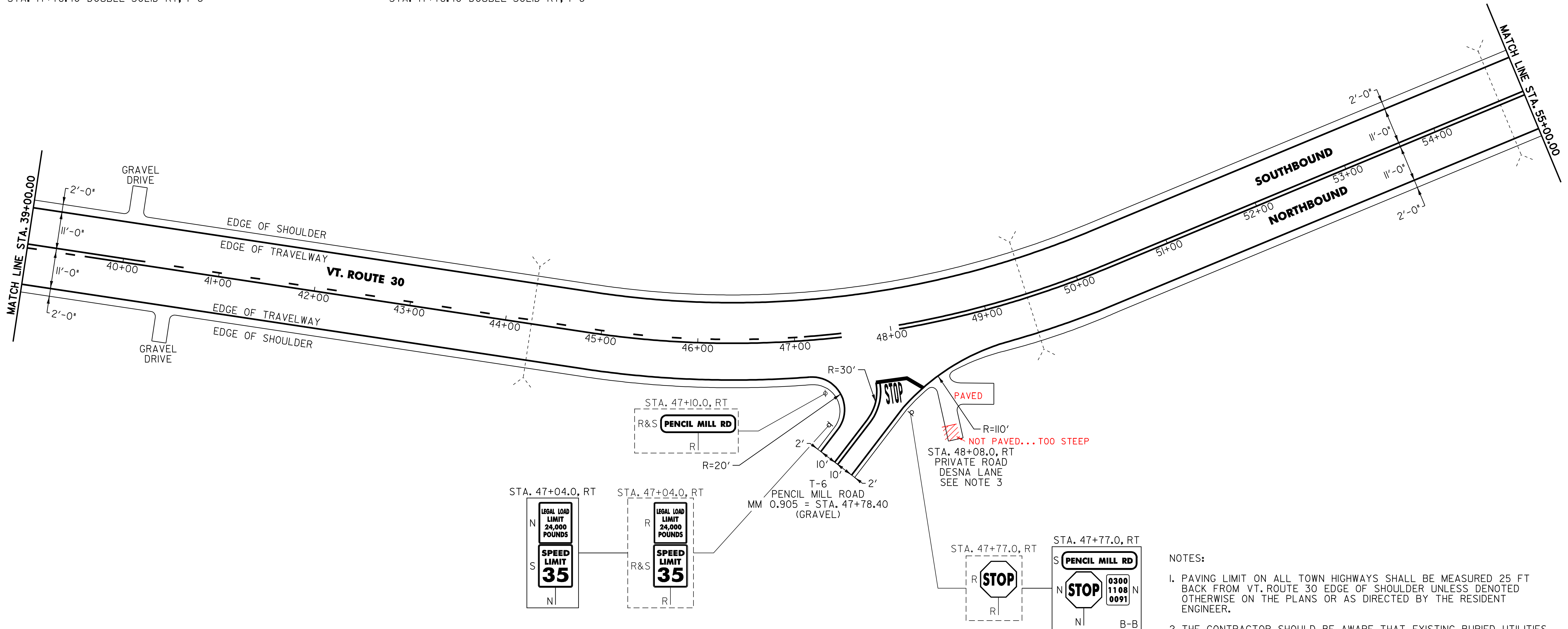
646.66 TEMPORARY 24" STOP BAR (PAINT)
 HUBBARDTON:
 STA. 47+78.40 RT, T-6

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 HUBBARDTON:
 STA. 47+78.40 RT, T-6, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
 HUBBARDTON:
 STA. 47+78.40 RT, T-6 "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 2



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- PROVIDE A 15 FT WIDE 1/4" TYPE IV APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

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

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S
 FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028I05.i

PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 17 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 55+00.00 - STA. 87+00.00 EDGE LINE LT & RT

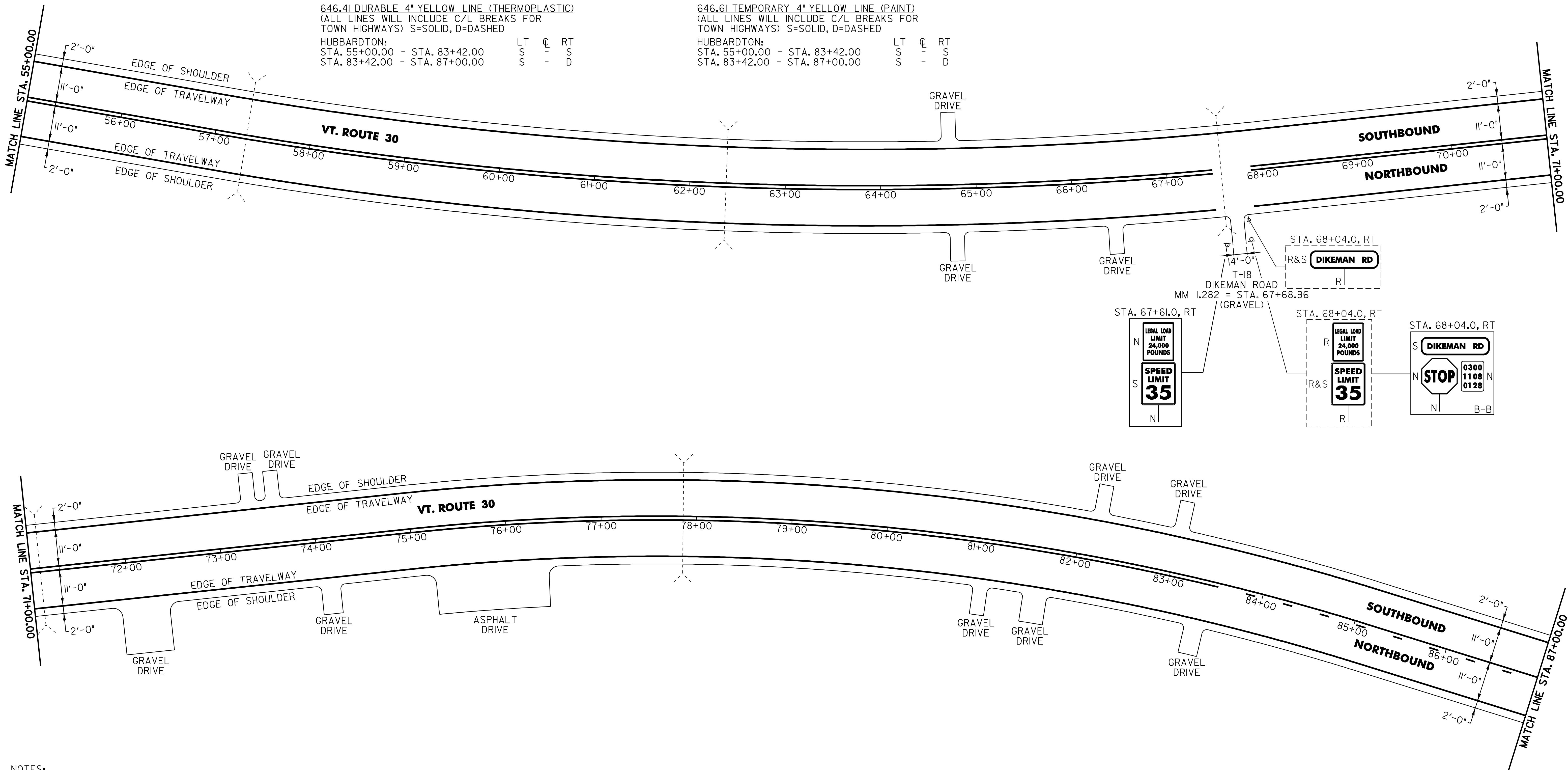
646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 55+00.00 - STA. 83+42.00 LT C RT S - S
 STA. 83+42.00 - STA. 87+00.00 S - D

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 55+00.00 - STA. 87+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 55+00.00 - STA. 83+42.00 LT C RT S - S
 STA. 83+42.00 - STA. 87+00.00 S - D

675.50 REMOVING SIGNS
 AS SHOWN - 3

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 2



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(1)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028106.1

PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 18 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 87+00.00 - STA. 88+73.50 EDGE LINE LT & RT
 STA. 101+23.50 - STA. 103+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

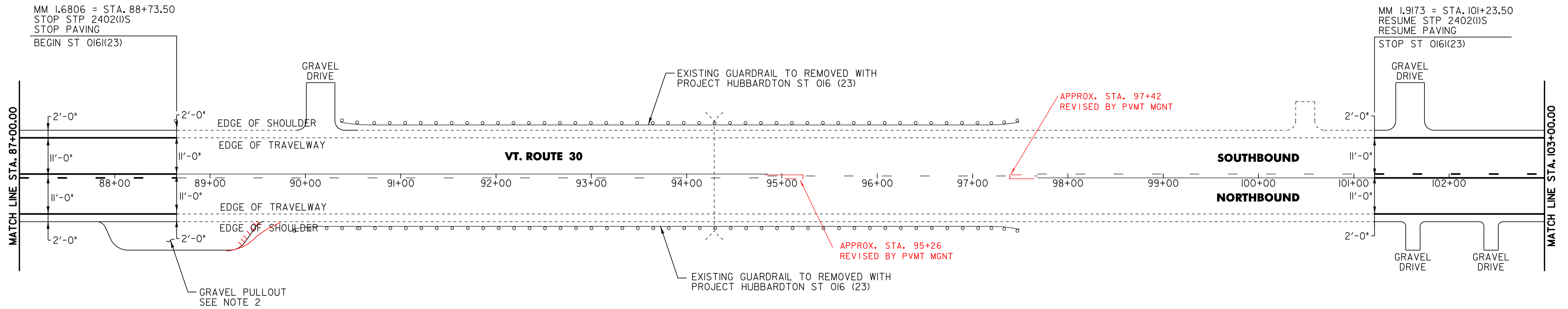
HUBBARDTON:
 STA. 87+00.00 - STA. 88+73.50 LT C RT
 STA. 101+23.50 - STA. 103+00.00 S - D
 D - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 87+00.00 - STA. 88+73.50 EDGE LINE LT & RT
 STA. 101+23.50 - STA. 103+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON:
 STA. 87+00.00 - STA. 88+73.50 LT C RT
 STA. 101+23.50 - STA. 103+00.00 S - D
 D - S



NOTES:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
2. PROVIDE A 5 FT WIDE 1/4" TYPE IV APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn PLOT DATE: 11-JUN-2007 13:33
 PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
 DESIGNED BY: D.W.E. CHECKED BY: D.E.G.
 IPARM FILE: p04c028107.i SHEET 19 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
STA. 103+00.00 - STA. 119+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON:
STA. 103+00.00 - STA. 105+60.00 D - S
STA. 105+60.00 - STA. 111+94.00 S - S
STA. 111+94.00 - STA. 118+27.00 S - D
STA. 118+27.00 - STA. 119+00.00 S - S
STA. 107+07.84 DOUBLE SOLID RT, T-2

646.60 TEMPORARY 4" WHITE LINE (PAINT)
(ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
STA. 103+00.00 - STA. 119+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
(ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON:
STA. 103+00.00 - STA. 105+60.00 D - S
STA. 105+60.00 - STA. 111+94.00 S - S
STA. 111+94.00 - STA. 118+27.00 S - D
STA. 118+27.00 - STA. 119+00.00 S - S
STA. 107+07.84 DOUBLE SOLID RT, T-2

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)

HUBBARDTON:
STA. 107+07.84 RT, T-2

646.66 TEMPORARY 24" STOP BAR (PAINT)

HUBBARDTON:
STA. 107+07.84 RT, T-2

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

HUBBARDTON:
STA. 107+07.84 RT, T-2, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)

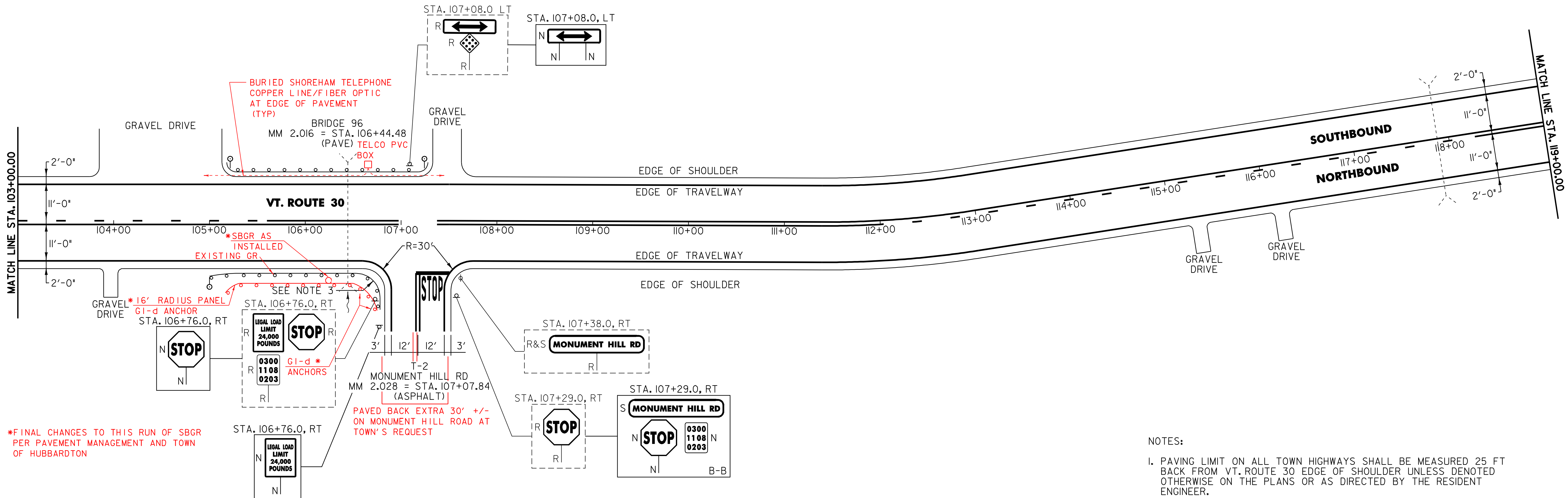
HUBBARDTON:
STA. 107+07.84 RT, T-2, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - 7

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 1



*FINAL CHANGES TO THIS RUN OF SBGR PER PAVEMENT MANAGEMENT AND TOWN OF HUBBARDTON

621.20 STEEL BEAM GUARDRAIL (GALVANIZED)

HUBBARDTON:
STA. 105+37.5 - STA. 106+96.0 RT (172.0 LF)
STA. 105+87.5 - STA. 106+62.5 LT (75.0 LF)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)

HUBBARDTON:
STA. 105+00.0 - STA. 105+37.5 RT
STA. 105+50.0 - STA. 105+87.5 LT
STA. 106+62.5 - STA. 107+00.0 LT

621.60 ANCHOR FOR STEEL BEAM RAIL

HUBBARDTON:
STA. 106+80.0 RT
STA. 106+96.0 RT (2 EA)

621.80 REMOVAL & DISPOSAL OF GUARDRAIL

HUBBARDTON:
STA. 105+80.0 - STA. 106+94.0 LT (114.0 LF)
STA. 105+98.0 - STA. 106+96.0 RT (98.0 LF)

676.10 DELINEATORS WITH STEEL POSTS

♀ TYPE I WHITE

HUBBARDTON:
STA. 105+00.0 RT
STA. 105+50.0 LT
STA. 107+00.0 LT

SIGN LEGEND

R = REMOVE
S = SALVAGE
N = NEW
RET = RETAIN
B-B = BACK TO BACK
EXISTING = - - - - -
NEW = _____

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- THE CONTRACTOR SHALL INSTALL A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY

PROJECT NUMBER: STP 2402(1)S

FILE NAME: p04c028.dgn

PROJECT LEADER: D.E.G.

DESIGNED BY: D.W.E.

IPARM FILE: p04c028i08.i

PLOT DATE: 11-JUN-2007 13:33

DRAWN BY: C.A.K.

CHECKED BY: D.E.G.

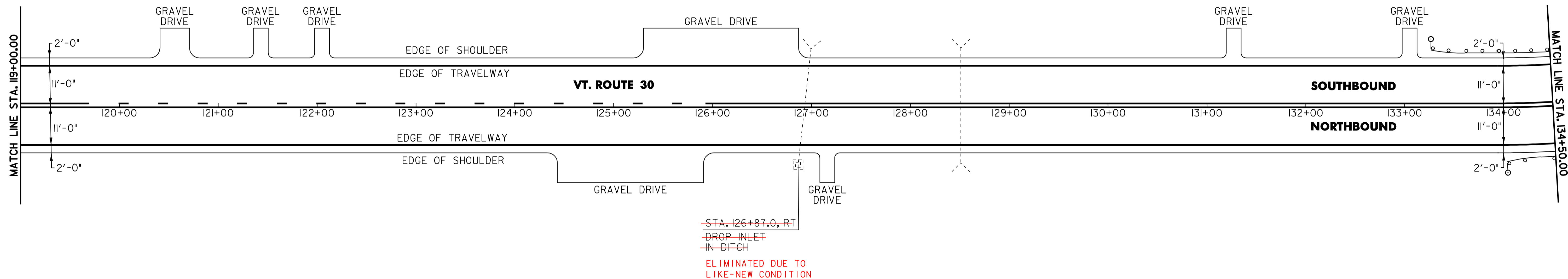
SHEET 20 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 119+00.00 - STA. 134+50.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 119+00.00 - STA. 119+59.00 S - S
 STA. 119+59.00 - STA. 125+93.00 D - S
 STA. 125+93.00 - STA. 134+50.00 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 119+00.00 - STA. 134+50.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 119+00.00 - STA. 119+59.00 S - S
 STA. 119+59.00 - STA. 125+93.00 D - S
 STA. 125+93.00 - STA. 134+50.00 S - S



604.412 REHABING DI, CB OR MH CLASS I
 HUBBARDTON:
~~STA. 126+87.0 RT ELIMINATED~~

621.20 STEEL BEAM GUARDRAIL (GALVANIZED)
 HUBBARDTON:
 STA. 133+66.5 - STA. 134+50.0 LT (83.5 LF)
 STA. 134+33.0 - STA. 134+50.0 RT (17.0 LF)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 HUBBARDTON:
 STA. 133+29.0 - STA. 133+66.5 LT
 STA. 133+95.5 - STA. 134+33.0 RT

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 HUBBARDTON:
 STA. 133+33.0 - STA. 134+50.0 LT (17.0 LF)

676.10 DELINEATORS WITH STEEL POSTS
 TYPE I WHITE
 HUBBARDTON:
 STA. 133+29.0 LT
 STA. 133+95.5 RT

NOTE:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(1)S

FILE NAME: p04c028.dgn PLOT DATE: 11-JUN-2007 13:33
 PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
 DESIGNED BY: D.W.E. CHECKED BY: D.E.G.
 IPARM FILE: p04c028I09.I SHEET 21 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 134+50.00 - STA. 151+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 134+50.00 - STA. 151+00.00 LT S C RT S
 STA. 135+11.52 DOUBLE SOLID LT, T-I

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 134+50.00 - STA. 151+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 134+50.00 - STA. 151+00.00 LT S C RT S
 STA. 135+11.52 DOUBLE SOLID LT, T-I

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 HUBBARDTON:
 STA. 135+11.52 LT, T-I, "S,T,O,P" (4 EA)

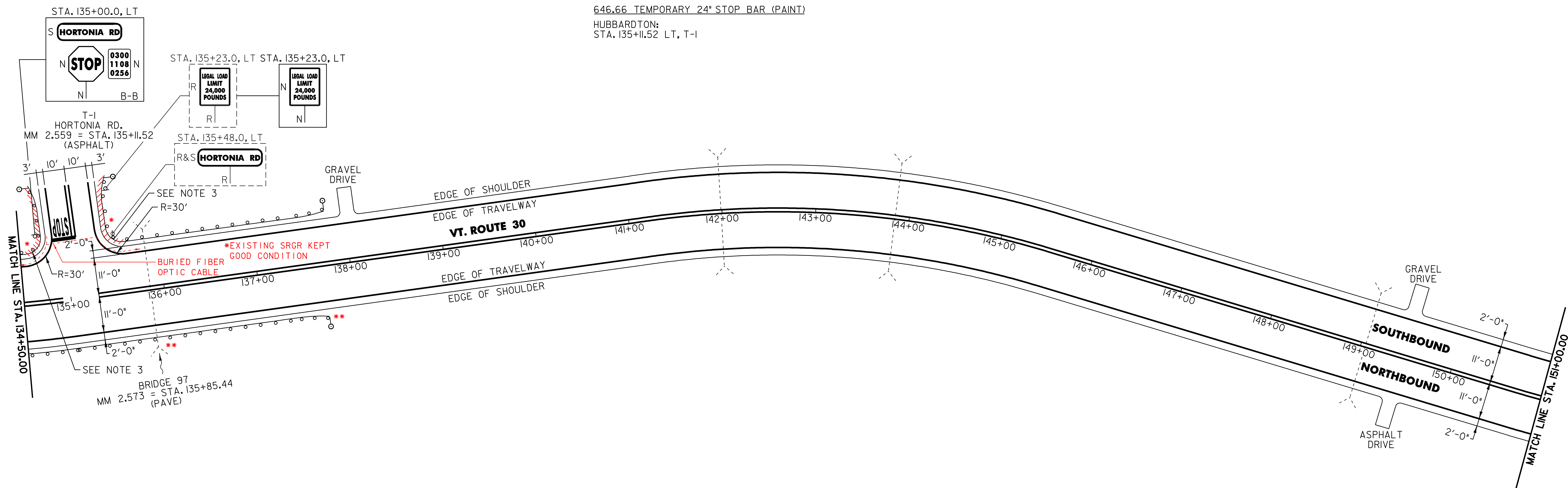
646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
 HUBBARDTON:
 STA. 135+11.52 LT, T-I, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 2

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 HUBBARDTON:
 STA. 135+11.52 LT, T-I

646.66 TEMPORARY 24" STOP BAR (PAINT)
 HUBBARDTON:
 STA. 135+11.52 LT, T-I



621.20 STEEL BEAM GUARDRAIL (GALVANIZED)
 HUBBARDTON:
~~STA. 134+50.0 - STA. 135+00.0 LT (129.0 LF)~~
~~STA. 134+50.0 - STA. 137+33.0 RT (283.0 LF)~~ 308 LF
~~STA. 135+24.0 - STA. 137+37.5 LT (325.0 LF)~~

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 HUBBARDTON:
~~STA. 135+00.0 LT, T-I~~
~~STA. 135+24.0 LT, T-I~~ 95.5
~~STA. 137+33.0 - STA. 137+70.5 RT~~
~~STA. 137+37.5 - STA. 137+75.0 LT~~

621.60 ANCHOR FOR STEEL BEAM RAIL
 HUBBARDTON:
~~STA. 134+84.0 LT~~
~~STA. 135+00.0 LT~~
~~STA. 135+24.0 LT~~
~~STA. 135+40.0 LT~~

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 HUBBARDTON:
~~STA. 134+50.0 - STA. 135+00.0 LT (50.0 LF)~~
~~STA. 135+24.0 - STA. 137+25.0 LT (201.0 LF)~~

621.80 REMOVAL & DISPOSAL OF GUIDE POSTS
 HUBBARDTON:
 STA. 135+04.0 - STA. 136+57.0 RT (10 EA)

676.10 DELINEATORS WITH STEEL POSTS
 ♀ TYPE I WHITE
 HUBBARDTON:
 STA. 135+00.0 LT
 STA. 135+24.0 LT
 STA. 137+70.5 RT
 STA. 137+75.0 LT

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - THE CONTRACTOR SHALL INSTALL A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER.

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

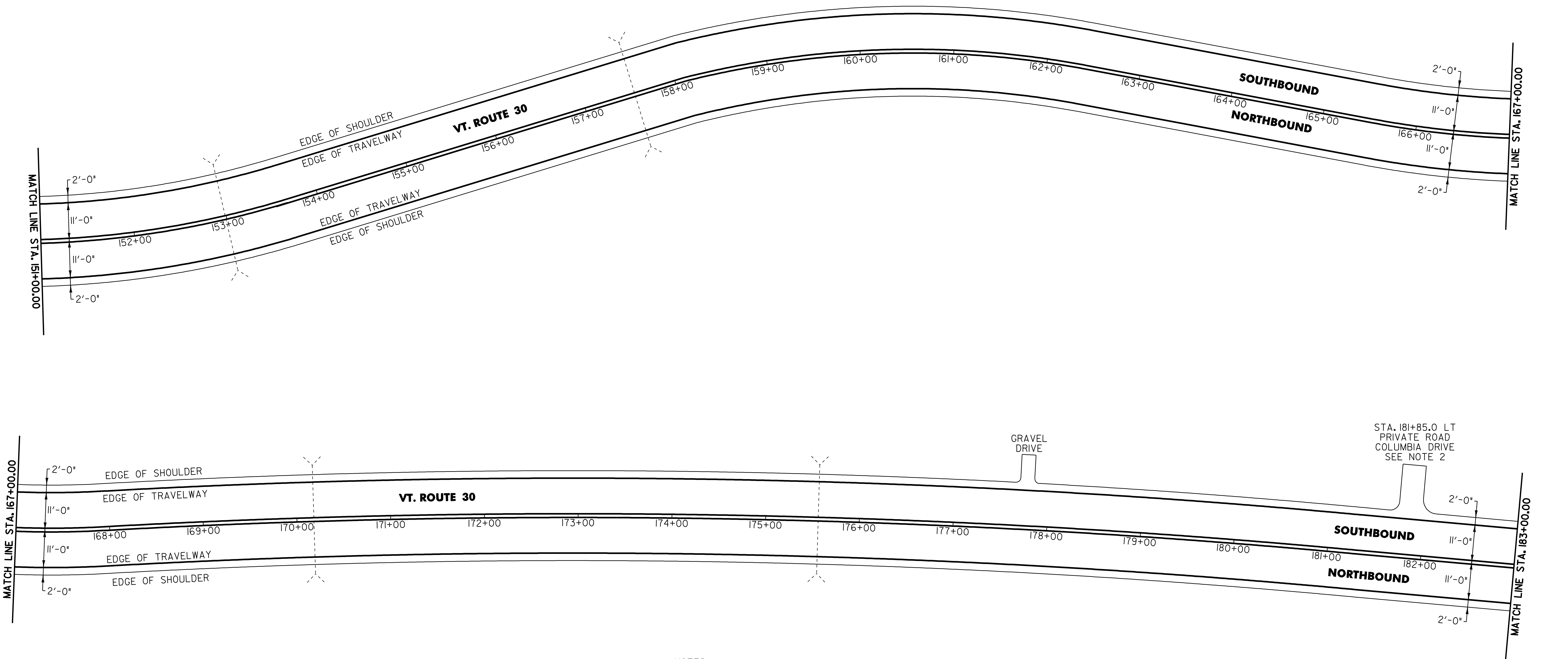
PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(1)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
	PROJECT LEADER: D.E.G. DESIGNED BY: D.W.E. IPARM FILE: p04c028110.I	DRAWN BY: C.A.K. CHECKED BY: D.E.G. SHEET 22 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 151+00.00 - STA. 183+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 151+00.00 - STA. 183+00.00 LT C RT
 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 151+00.00 - STA. 183+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 151+00.00 - STA. 183+00.00 LT C RT
 S - S



NOTES:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
2. PROVIDE A 15 FT 1 1/4" WIDE TYPE IV APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

**PROJECT
LAYOUT
SHEET**

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028III.I

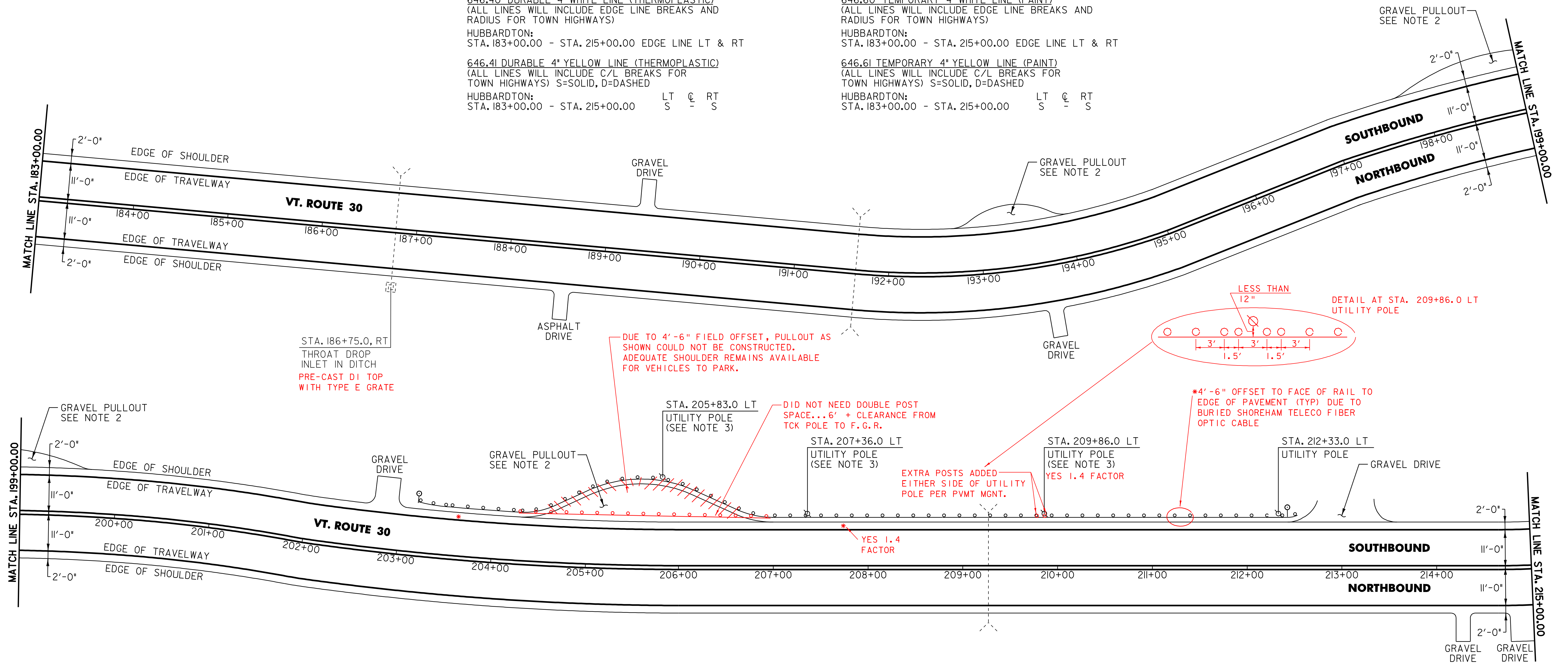
PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 23 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 183+00.00 - STA. 215+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 183+00.00 - STA. 215+00.00 LT S C RT S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 183+00.00 - STA. 215+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 183+00.00 - STA. 215+00.00 LT S C RT S



604.412 REHABING DI, CB OR MH, CLASS I
 HUBBARDTON:
 STA. 186+75.0 RT

621.20 STEEL BEAM GUARDRAIL (GALVANIZED) (MOD. - 8' POST)
 HUBBARDTON:
 STA. 203+55.0 - STA. 212+05.0 LT **825 LF F.M. (NO PULL-OUT) (910.0 LF) + 1.4 FACTOR FOR POLES (NOTES)**

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 HUBBARDTON:
 STA. 203+17.5 - STA. 203+55.0 LT

621.505 MANUFACTURED TERMINAL SECTION (TANGENT)
 HUBBARDTON:
 STA. 212+05.0 - STA. 212+55.0 LT

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 HUBBARDTON:
 STA. 203+21.0 - STA. 212+55.0 LT (934.0 LF)

676.10 DELINEATORS WITH STEEL POSTS
 TYPE I WHITE
 HUBBARDTON:
 STA. 203+17.5 LT
 STA. 212+55.0 LT

NOTES:

- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- PROVIDE A 5 FT WIDE 1 1/4" TYPE IV APRON FOR THE EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.
- SEE SHEET 49 FOR REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S
 FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028I1.i
 PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 24 OF 92

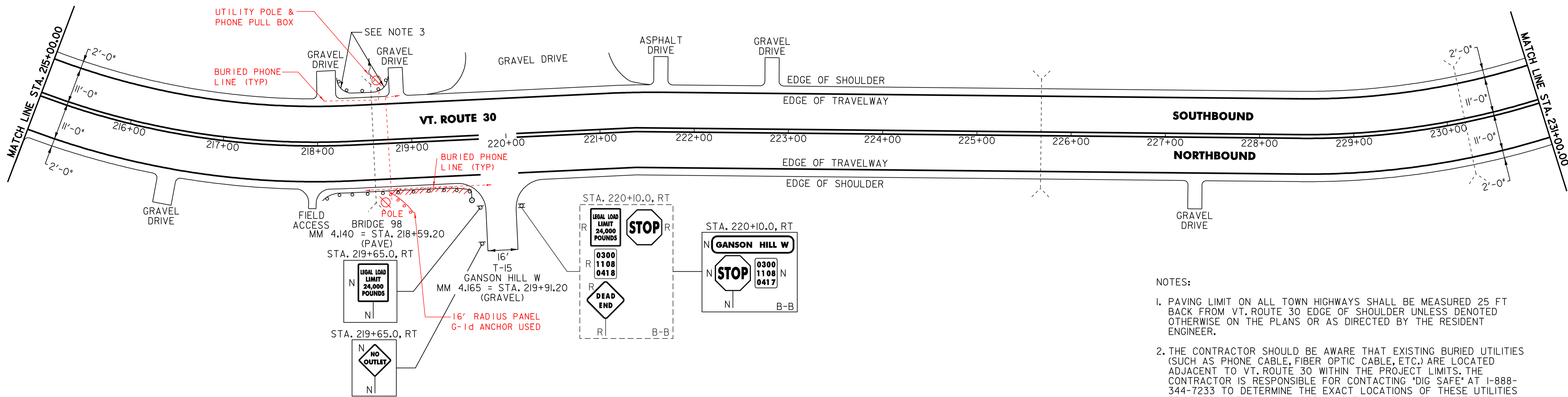
646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 215+00.00 - STA. 231+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 215+00.00 - STA. 231+00.00 LT C RT
 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 HUBBARDTON:
 STA. 215+00.00 - STA. 231+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 HUBBARDTON:
 STA. 215+00.00 - STA. 231+00.00 LT C RT
 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 4



621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 HUBBARDTON: ~~INSTALLED AND THEN ELIMINATED PER~~
~~STA. 219+37.5 - STA. 219+75.0 RT~~ PROPERTY OWNER REQUEST

621.60 ANCHOR FOR STEEL BEAM RAIL
 HUBBARDTON:
 STA. 218+21.0 RT
 STA. 218+33.0 LT
 STA. 218+40.7 LT
 STA. 218+72.3 LT
 STA. 218+80.0 LT
 STA. 219+37.5 RT +/-

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 HUBBARDTON:
 STA. 218+15.0 - STA. 219+17.0 RT (102.0 LF)
 STA. 218+33.0 - STA. 218+80.0 LT (47.0 LF)

676.10 DELINEATORS WITH STEEL POSTS
 TYPE I WHITE
 HUBBARDTON:
 STA. 219+75.0 RT

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

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - THE CONTRACTOR SHALL INSTALL A NEW 16' RADIUS PANEL WITH ANCHORS AT EACH END AS DIRECTED BY THE RESIDENT ENGINEER.

621.20 STEEL BEAM GUARDRAIL (GALVANIZED) (MOD. - 8' POSTS)
 HUBBARDTON:
 STA. 218+10.5 - STA. 219+37.5 RT (127.0 LF)
 STA. 218+33.0 - STA. 218+80.0 LT (53.0 LF)

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn PLOT DATE: 11-JUN-2007 13:33
 PROJECT LEADER: D.E.G. DRAWN BY: C.A.K.
 DESIGNED BY: D.W.E. CHECKED BY: D.E.G.
 IPARM FILE: p04c028I13.1 SHEET 25 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 231+00.00 - STA. 263+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON: LT C RT
 STA. 231+00.00 - STA. 263+00.00 S - S

*EXISTING PRIVATE
 ROAD IS A "Y"
 CONFIGURATION
 PAVE BOTH APRONS

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 231+00.00 - STA. 263+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

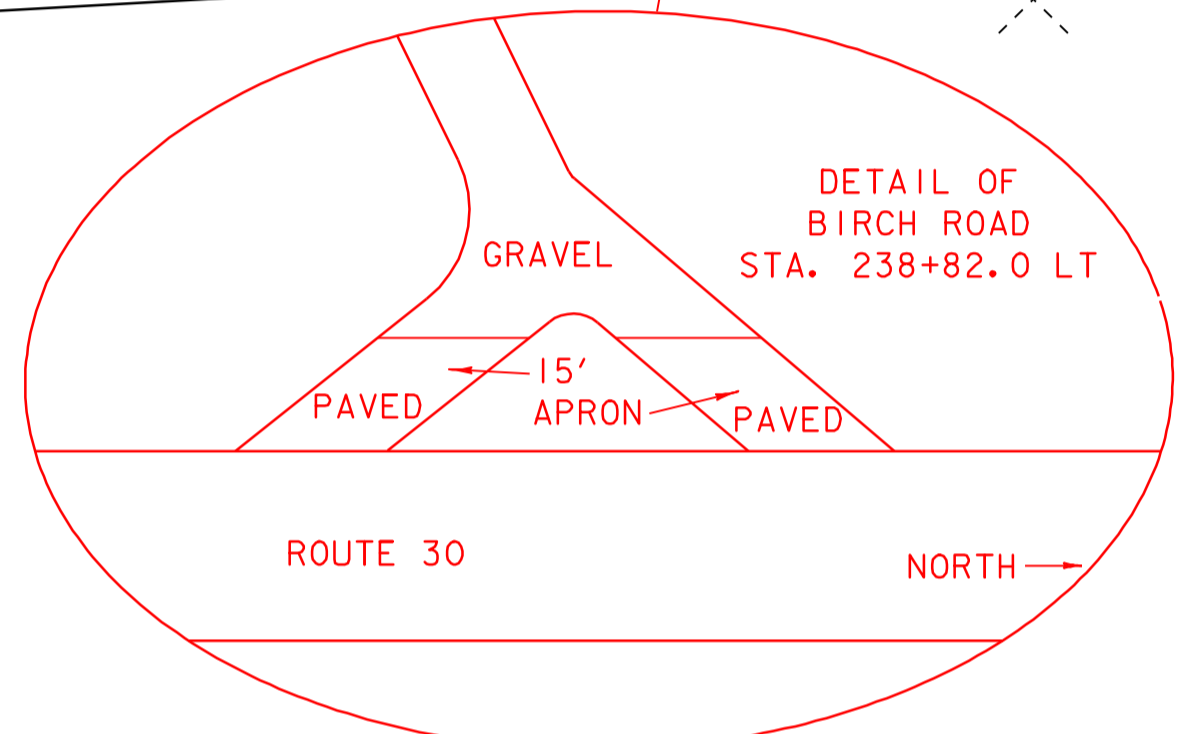
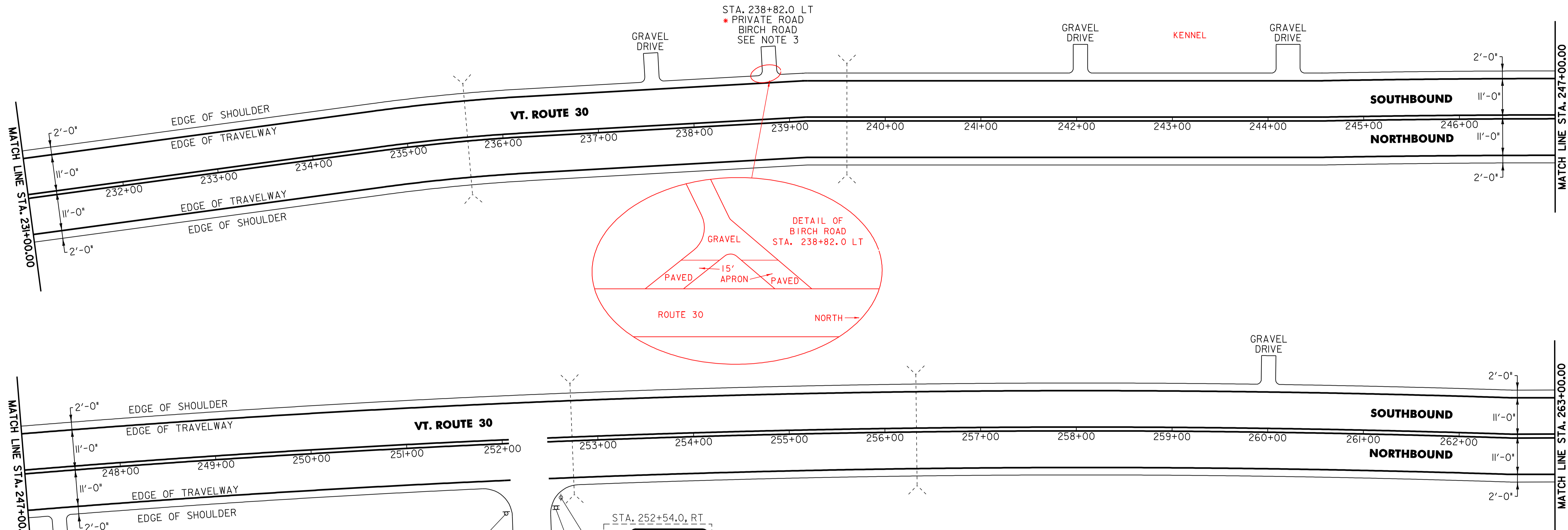
HUBBARDTON: LT C RT
 STA. 231+00.00 - STA. 263+00.00 S - S

675.50 REMOVING SIGNS

AS SHOWN - 7

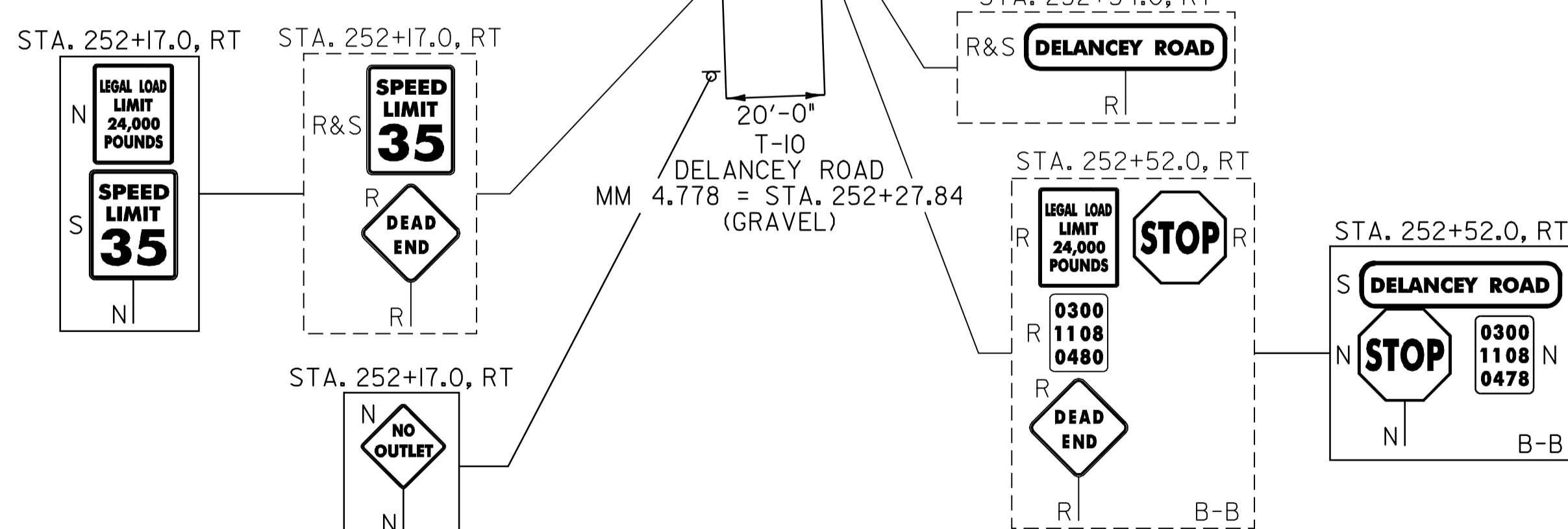
675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 2



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- PROVIDE A 15 FT WIDE 1 1/4" TYPE IV APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.



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

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S
 FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028I14.I
 PLOT DATE: 11-JUN-2007 13:35
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 26 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 263+00.00 - STA. 271+97.28 EDGE LINE LT & RT

SUDBURY:
 STA. 0+00.00 - STA. 23+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON: LT C RT
 STA. 263+00.00 - STA. 271+97.28 S - S

SUDBURY:
 STA. 0+00.00 - STA. 23+00.00 S - S
 STA. 18+21.60 DOUBLE SOLID RT, T-19

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)

HUBBARDTON:
 STA. 263+00.00 - STA. 271+97.28 EDGE LINE LT & RT

SUDBURY:
 STA. 0+00.00 - STA. 23+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

HUBBARDTON: LT C RT
 STA. 263+00.00 - STA. 271+97.28 S - S

SUDBURY:
 STA. 0+00.00 - STA. 23+00.00 S - S
 STA. 18+21.60 DOUBLE SOLID RT, T-19

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)

SUDBURY:
 STA. 18+21.60 RT, T-19

646.66 TEMPORARY 24" STOP BAR (PAINT)

SUDBURY:
 STA. 18+21.60 RT, T-19

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)

SUDBURY:
 STA. 18+21.60 RT, T-19, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)

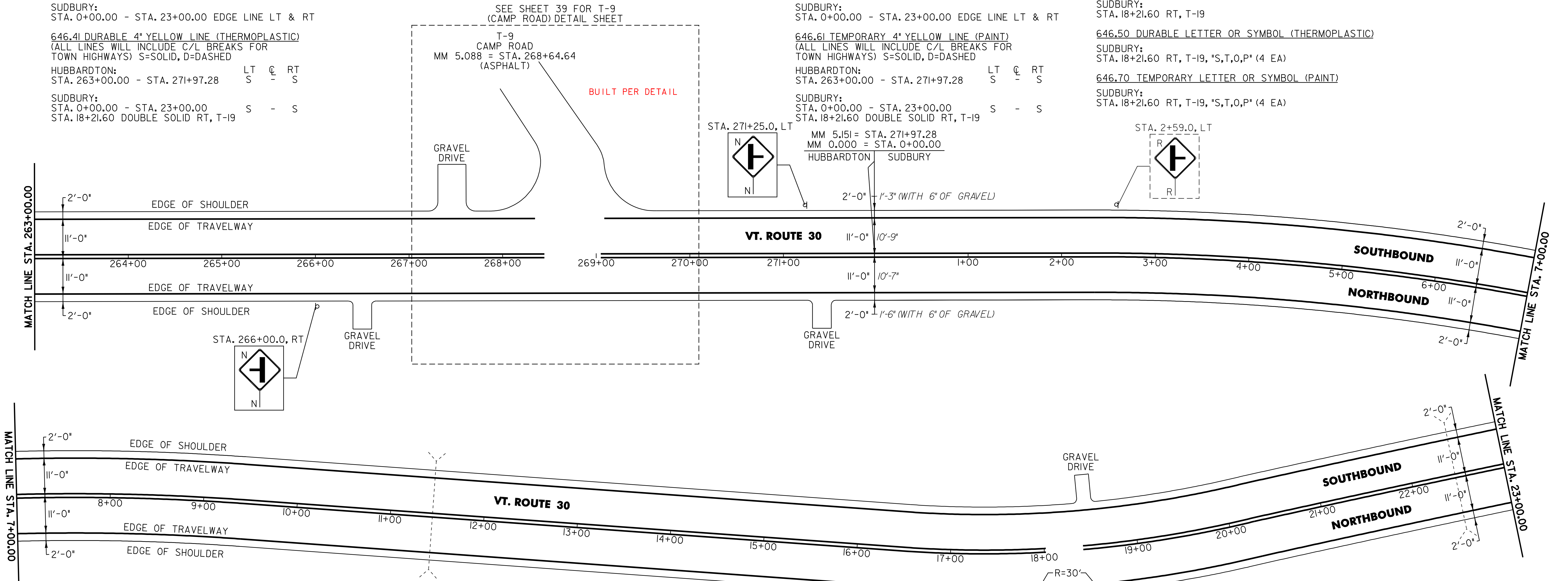
SUDBURY:
 STA. 18+21.60 RT, T-19, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS

AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS

AS SHOWN - 2



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

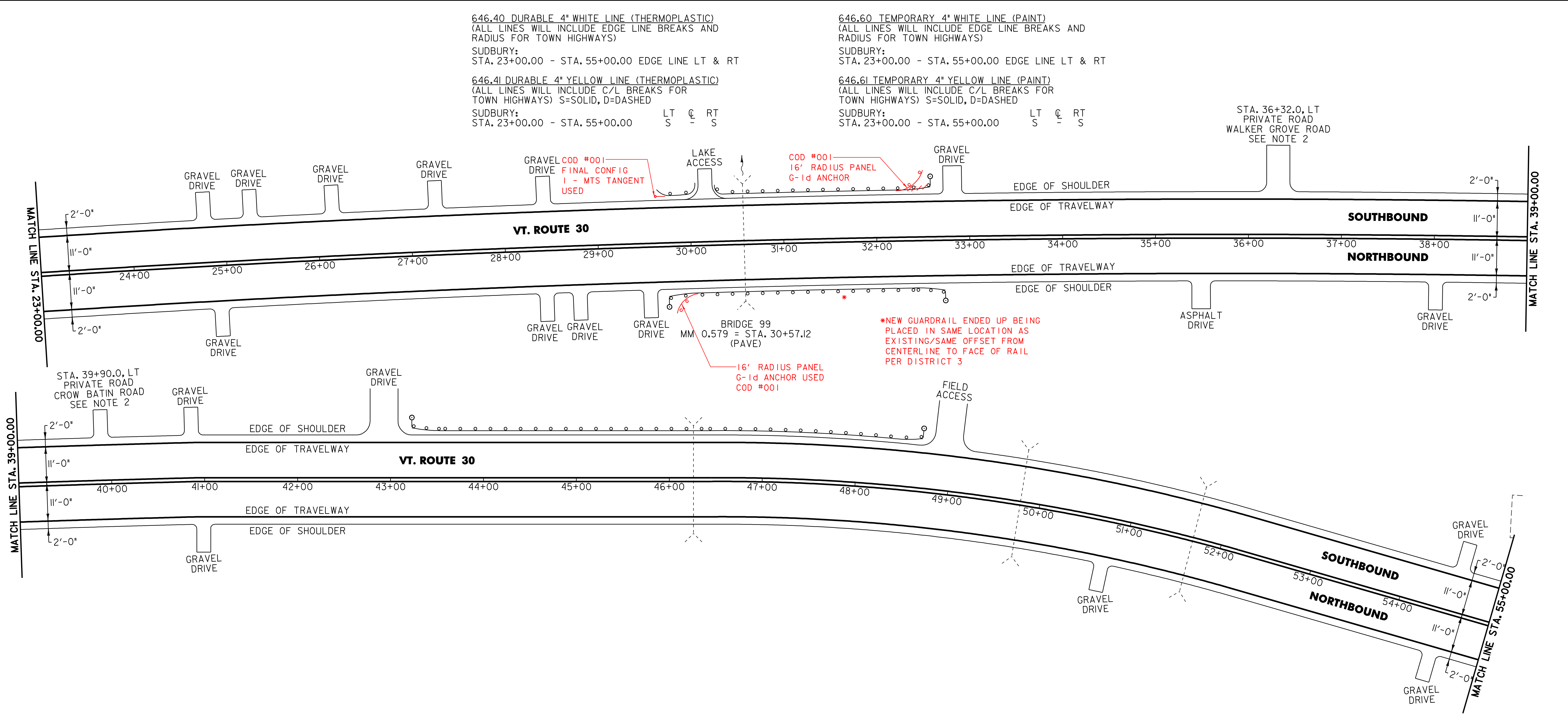
PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(1)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028115.i	SHEET 27 OF 92	

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 23+00.00 - STA. 55+00.00 EDGE LINE LT & RT

646.4I DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 23+00.00 - STA. 55+00.00 LT S RT S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 23+00.00 - STA. 55+00.00 EDGE LINE LT & RT

646.6I TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 23+00.00 - STA. 55+00.00 LT S RT S



62I.20 STEEL BEAM GUARDRAIL (GALVANIZED)

SUDBURY:
 STA. 29+5I.0 - STA. 30+04.0 LT 41.5 LF
 (53.0 LF)
 STA. 30+I0.5 - STA. 32+35.5 RT (225.0 LF)
 STA. 30+I9.0 - STA. 32+20.5 LT (20I.5 LF)
 220.5 LF

62I.20 STEEL BEAM GUARDRAIL (GALVANIZED) (MOD. - 8' POSTS)

SUDBURY:
 STA. 43+60.5 - STA. 48+35.5 LT (475.0 LF)

62I.505 MANUFACTURED TERMINAL SECTION (FLARED)

SUDBURY:
 STA. 29+73.0 - STA. 30+I0.5 RT
 STA. 32+20.5 - STA. 32+58.5 LT
 STA. 32+35.5 - STA. 32+73.0 RT
 STA. 43+23.0 - STA. 43+60.5 LT
 STA. 48+35.5 - STA. 48+73.0 LT

62I.60 ANCHOR FOR STEEL BEAM RAIL

SUDBURY:
 STA. 29+63.2 LT
 STA. 29+93.3 LT
 STA. 30+29.7 LT

62I.80 REMOVAL & DISPOSAL OF GUARDRAIL

SUDBURY:
 STA. 29+65.0 - STA. 30+02.0 LT (37.0 LF)
 STA. 29+74.0 - STA. 32+73.0 RT (299.0 LF)
 STA. 30+I9.0 - STA. 32+I8.0 LT (I99.0 LF)
 STA. 43+23.0 - STA. 48+72.0 LT (549.0 LF)

676.I0 DELINEATORS WITH STEEL POSTS

TYPE I WHITE
 SUDBURY:
 STA. 29+73.0 RT
 STA. 32+58.5 LT
 STA. 32+73.0 RT
 STA. 43+23.0 LT
 STA. 48+73.0 LT

NOTES:

- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- PROVIDE A 15 FT WIDE 1/4" TYPE IV APRON FOR THE EXISTING PRIVATE ROAD. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY

PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn

PROJECT LEADER: D.E.G.

DESIGNED BY: D.W.E.

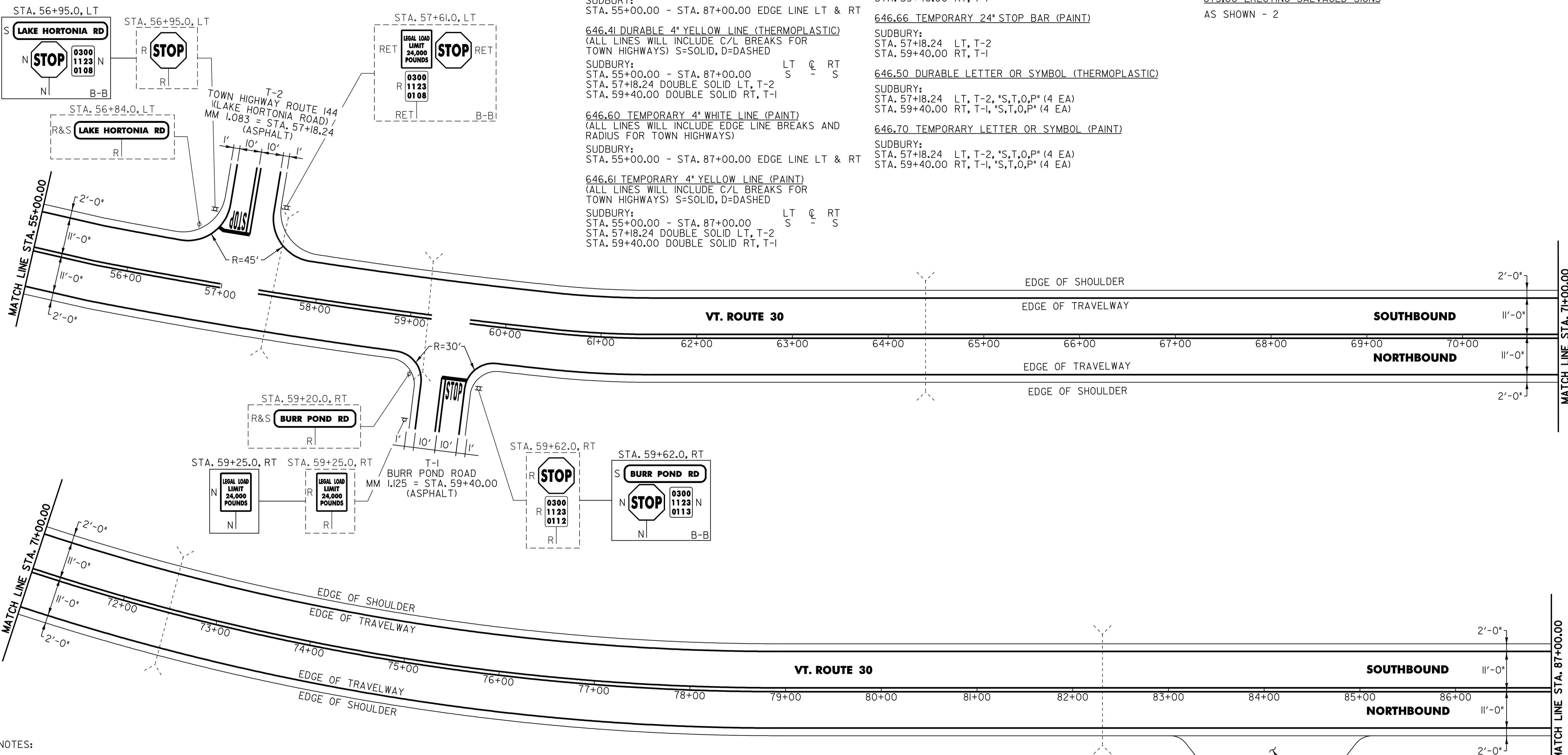
IPARM FILE: p04c028I16.1

PLOT DATE: 11-JUN-2007 13:33

DRAWN BY: C.A.K.

CHECKED BY: D.E.G.

SHEET 28 OF 92



646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 55+00.00 - STA. 87+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 55+00.00 - STA. 87+00.00 LT S RT S
 STA. 57+18.24 DOUBLE SOLID LT, T-2 S - S
 STA. 59+40.00 DOUBLE SOLID RT, T-1 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 55+00.00 - STA. 87+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 55+00.00 - STA. 87+00.00 LT S RT S
 STA. 57+18.24 DOUBLE SOLID LT, T-2 S - S
 STA. 59+40.00 DOUBLE SOLID RT, T-1 S - S

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 SUDBURY:
 STA. 57+18.24 LT, T-2
 STA. 59+40.00 RT, T-1

646.66 TEMPORARY 24" STOP BAR (PAINT)
 SUDBURY:
 STA. 57+18.24 LT, T-2
 STA. 59+40.00 RT, T-1

675.50 REMOVING SIGNS
 AS SHOWN - 7

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 2

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 SUDBURY:
 STA. 57+18.24 LT, T-2, "S,T,O,P" (4 EA)
 STA. 59+40.00 RT, T-1, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
 SUDBURY:
 STA. 57+18.24 LT, T-2, "S,T,O,P" (4 EA)
 STA. 59+40.00 RT, T-1, "S,T,O,P" (4 EA)

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - PROVIDE A 5 FT WIDE 1 1/4" TYPE IV APRON FOR EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE I.

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

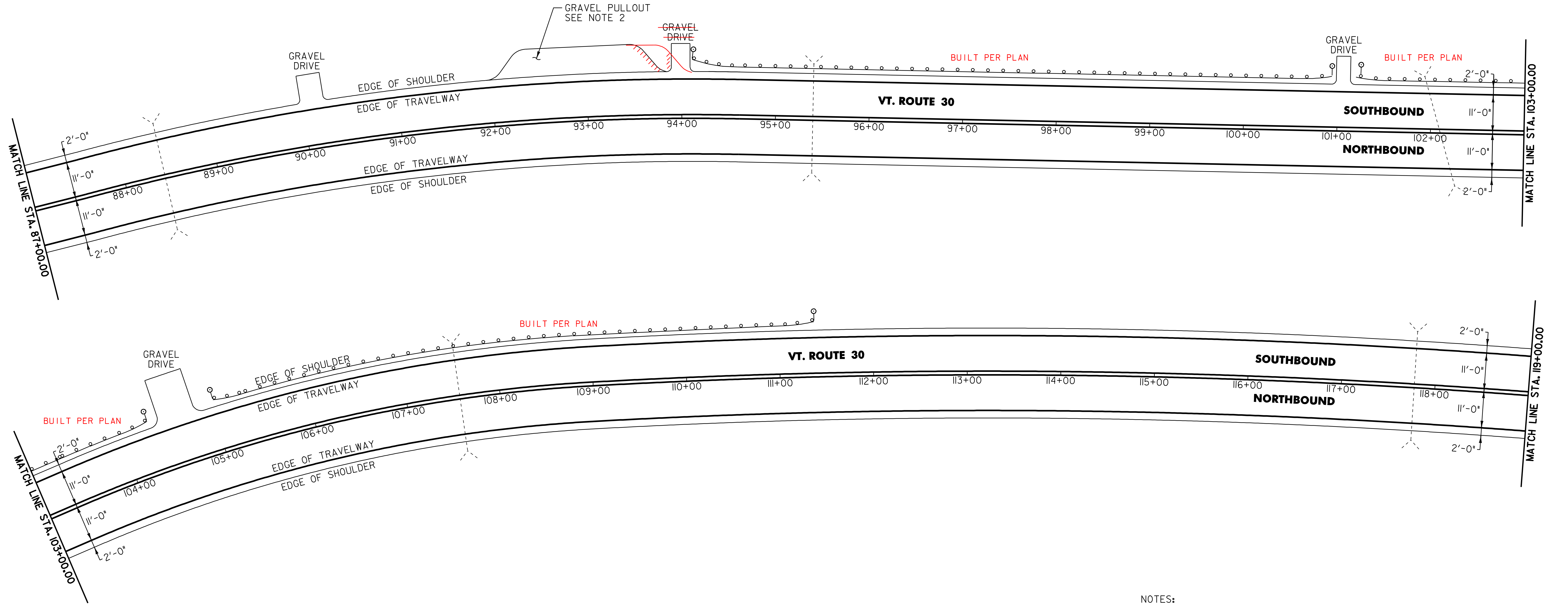
PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:33
DESIGNED BY: D.W.E.	DRAWN BY: C.A.K.	
IPARM FILE: p04c028I17.I	CHECKED BY: D.E.G.	
		SHEET 29 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 87+00.00 - STA. 119+00.00 EDGE LINE LT & RT

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 87+00.00 - STA. 119+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 87+00.00 - STA. 119+00.00 LT C RT
 S - S

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 87+00.00 - STA. 119+00.00 LT C RT
 S - S



621.20 STEEL BEAM GUARDRAIL (GALVANIZED) (MOD. - 8' POSTS)
 SUDBURY:
 STA. 94+47.5 - STA. 100+35.0 LT (587.5 LF)
 STA. 101+58.0 - STA. 103+95.5 LT (237.0 LF)
 STA. 105+36.5 - STA. 110+99.0 LT (562.5 LF)

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 SUDBURY:
 STA. 94+83.0 - STA. 100+85.0 LT (602.0 LF)
 STA. 101+93.0 - STA. 104+33.0 LT (240.0 LF)
 STA. 104+99.0 - STA. 108+59.0 LT (360.0 LF)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 SUDBURY:
 STA. 94+10.0 - STA. 94+47.5 LT
 STA. 101+20.5 - STA. 101+58.0 LT
 STA. 103+95.5 - STA. 104+33.0 LT
 STA. 104+99.0 - STA. 105+36.5 LT
 STA. 110+99.0 - STA. 111+36.5 LT

676.10 DELINEATORS WITH STEEL POSTS
 TYPE I WHITE
 SUDBURY:
 STA. 94+10.0 LT
 STA. 100+85.0 LT
 STA. 101+20.5 LT
 STA. 104+33.0 LT
 STA. 104+99.0 LT
 STA. 111+36.5 LT

621.505 MANUFACTURED TERMINAL SECTION (TANGENT)
 SUDBURY:
 STA. 100+35.0 - STA. 100+85.0 LT

NOTES:

1. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
2. PROVIDE A 5 FT WIDE 1/4" TYPE IV APRON FOR EXISTING GRAVEL PULLOUT. ANY REQUIRED EXCAVATION SHALL BE PERFORMED AS DIRECTED BY THE RESIDENT ENGINEER AND PAID FOR UNDER ITEM 608.25 ALL PURPOSE EXCAVATOR RENTAL, TYPE 1.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY

PROJECT NUMBER: STP 2402(1)S

FILE NAME: p04c028.dgn

PROJECT LEADER: D.E.G.

DESIGNED BY: D.W.E.

IPARM FILE: p04c028118.1

PLOT DATE: 11-JUN-2007 13:33

DRAWN BY: C.A.K.

CHECKED BY: D.E.G.

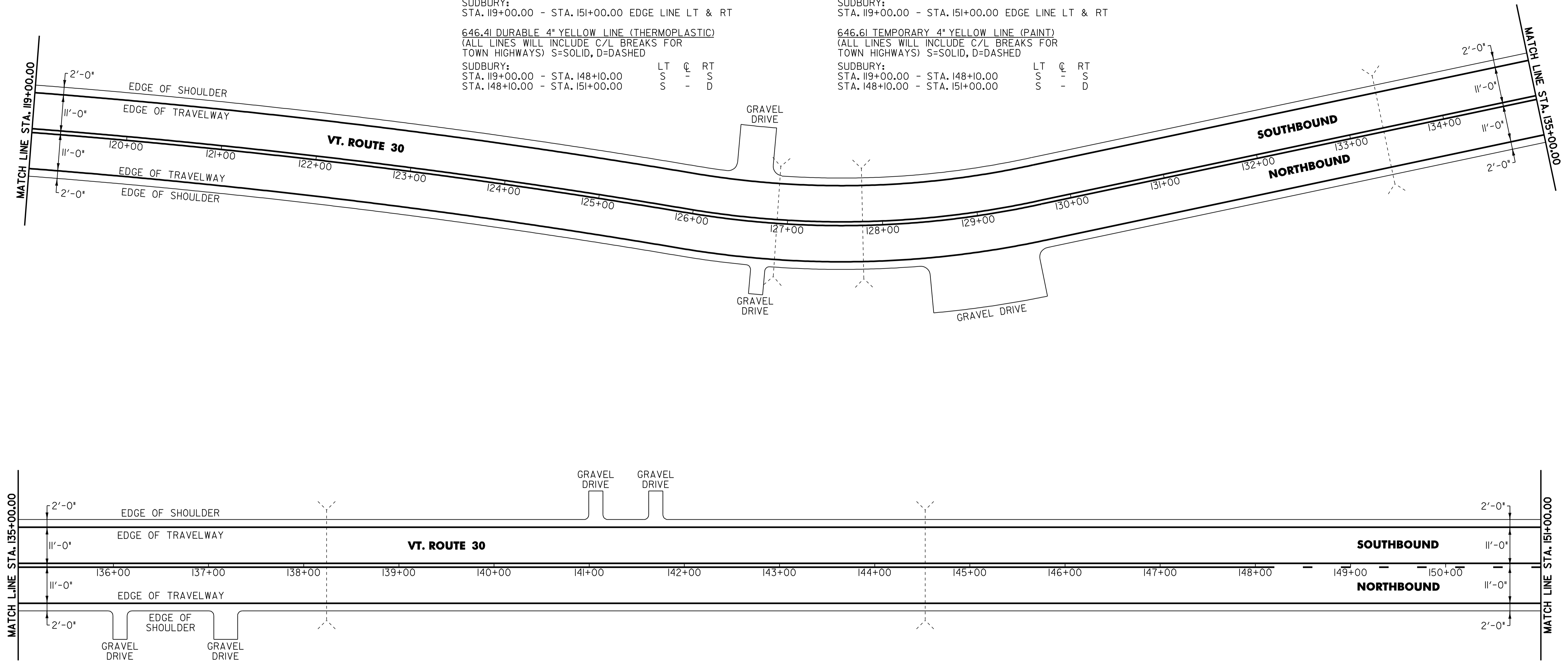
SHEET 30 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 119+00.00 - STA. 151+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 119+00.00 - STA. 148+10.00 LT C RT S - S
 STA. 148+10.00 - STA. 151+00.00 S - D

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 119+00.00 - STA. 151+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 119+00.00 - STA. 148+10.00 LT C RT S - S
 STA. 148+10.00 - STA. 151+00.00 S - D



NOTE:

- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(1)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028119.1

PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 31 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 151+00.00 - STA. 183+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 151+00.00 - STA. 155+76.00 LT C RT S D
 STA. 155+76.00 - STA. 163+68.00 D - S
 STA. 163+68.00 - STA. 183+00.00 S - S
 STA. 176+98.56 DOUBLE SOLID LT, VT. ROUTE 73

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 151+00.00 - STA. 183+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 151+00.00 - STA. 155+76.00 LT C RT S D
 STA. 155+76.00 - STA. 163+68.00 D - S
 STA. 163+68.00 - STA. 183+00.00 S - S
 STA. 176+98.56 DOUBLE SOLID LT, VT. ROUTE 73

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 HUBBARDTON:
 STA. 176+98.56 LT, VT. ROUTE 73

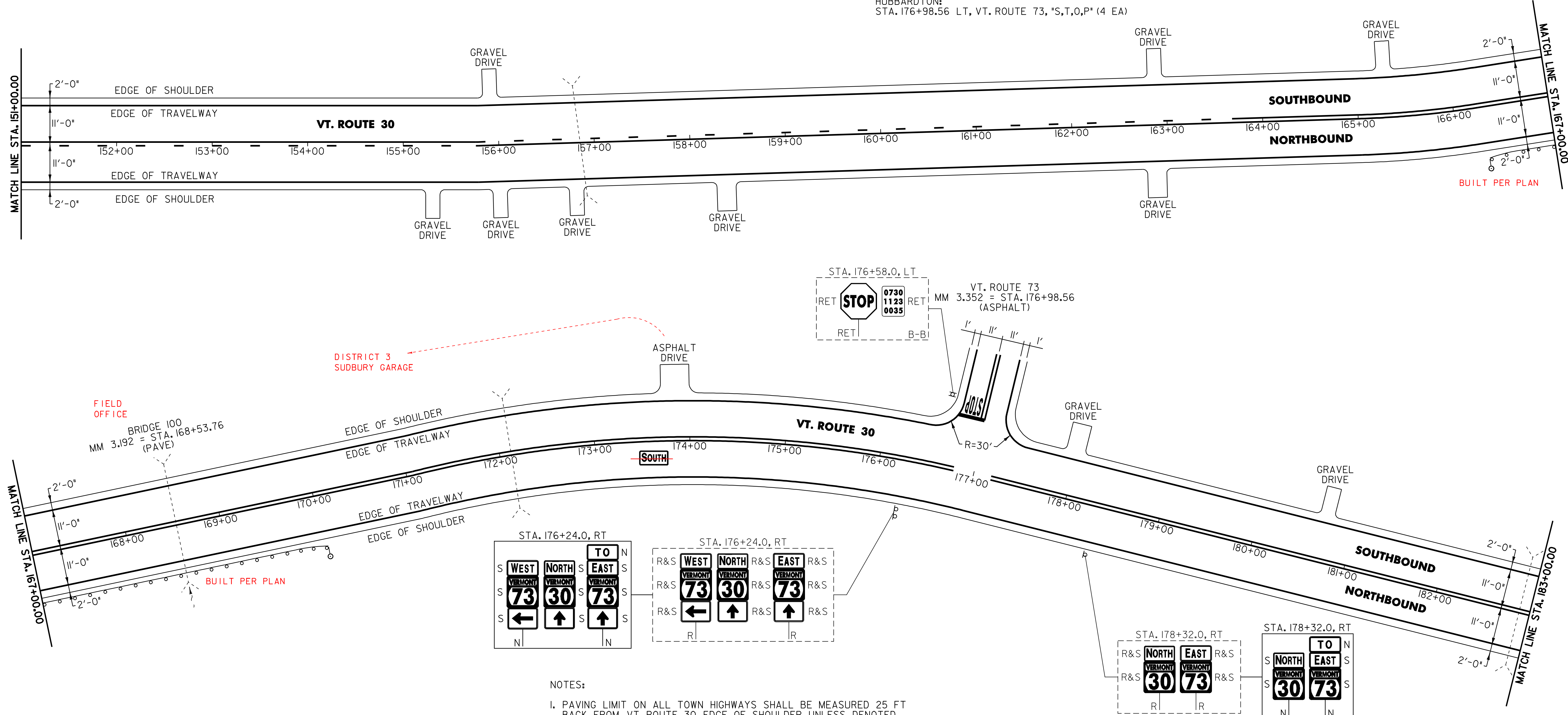
646.66 TEMPORARY 24" STOP BAR (PAINT)
 HUBBARDTON:
 STA. 176+98.56 LT, VT. ROUTE 73

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 HUBBARDTON:
 STA. 176+98.56 LT, VT. ROUTE 73, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
 HUBBARDTON:
 STA. 176+98.56 LT, VT. ROUTE 73, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 13

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 13



621.20 STEEL BEAM GUARDRAIL (GALVANIZED)
 SUDBURY:
 STA. 166+67.5 - STA. 169+67.5 RT (300.0 LF)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 SUDBURY:
 STA. 166+30.0 - STA. 166+67.5 RT
 STA. 169+67.5 - STA. 170+05.0 RT

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 SUDBURY:
 STA. 168+07.0 - STA. 168+58.0 RT (51.0 LF)

676.10 DELINEATORS WITH STEEL POSTS
 TYPE I WHITE
 SUDBURY:
 STA. 166+30.0 RT
 STA. 170+05.0 RT

- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(1)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028120.i

PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 32 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 183+00.00 - STA. 199+00.00 EDGE LINE LT & RT

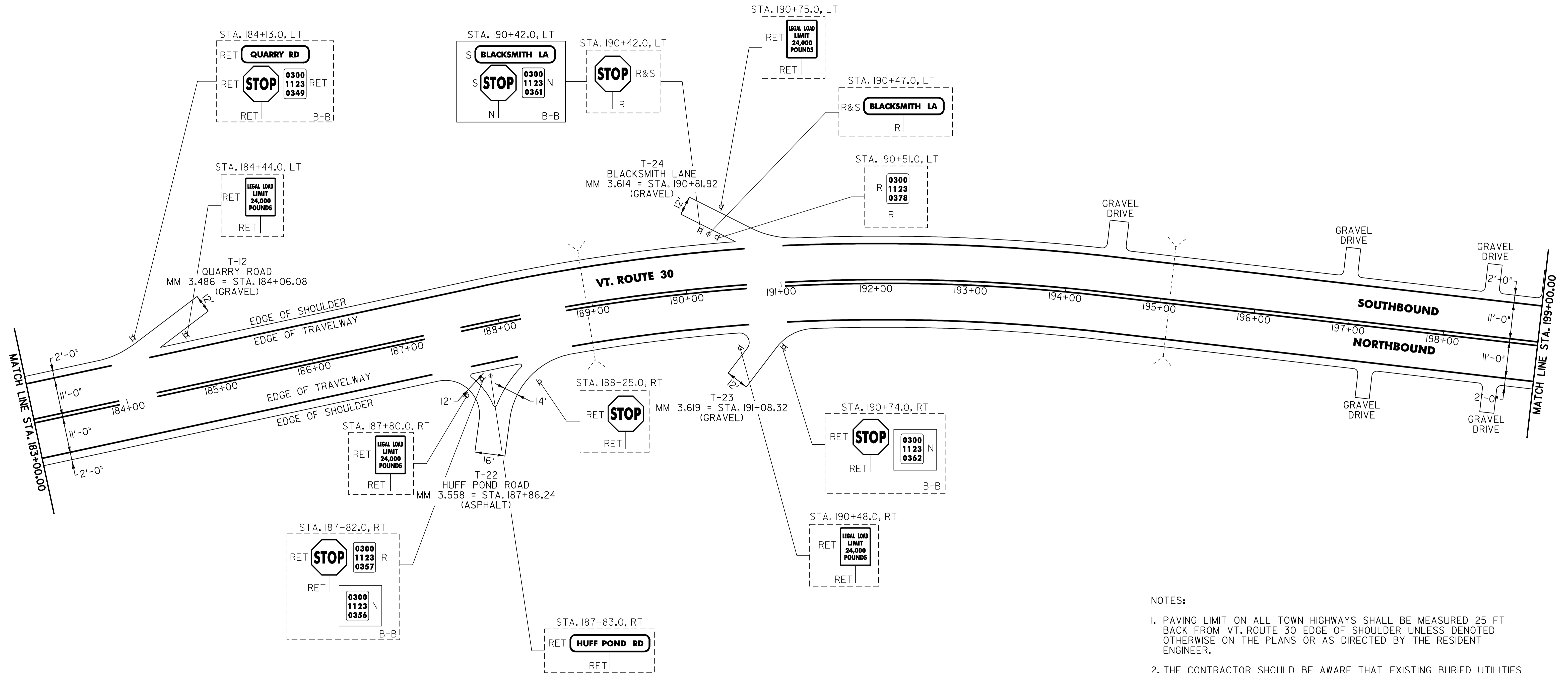
646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 183+00.00 - STA. 199+00.00 LT C RT
 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 183+00.00 - STA. 199+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 183+00.00 - STA. 199+00.00 LT C RT
 S - S

675.50 REMOVING SIGNS
 AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 2



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028i21.i

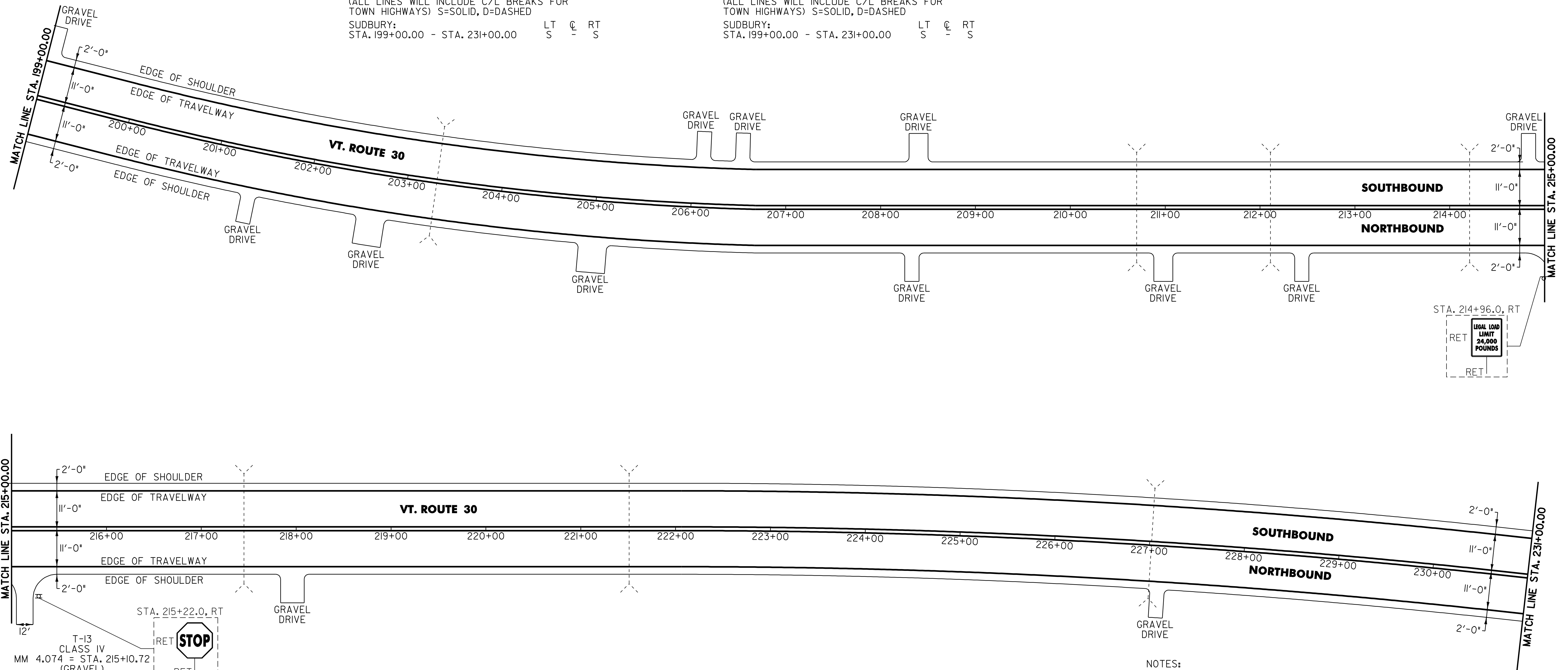
PLOT DATE: 11-JUN-2007 13:33
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 33 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 199+00.00 - STA. 231+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 199+00.00 - STA. 231+00.00 LT C RT
 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 199+00.00 - STA. 231+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 199+00.00 - STA. 231+00.00 LT C RT
 S - S



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

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

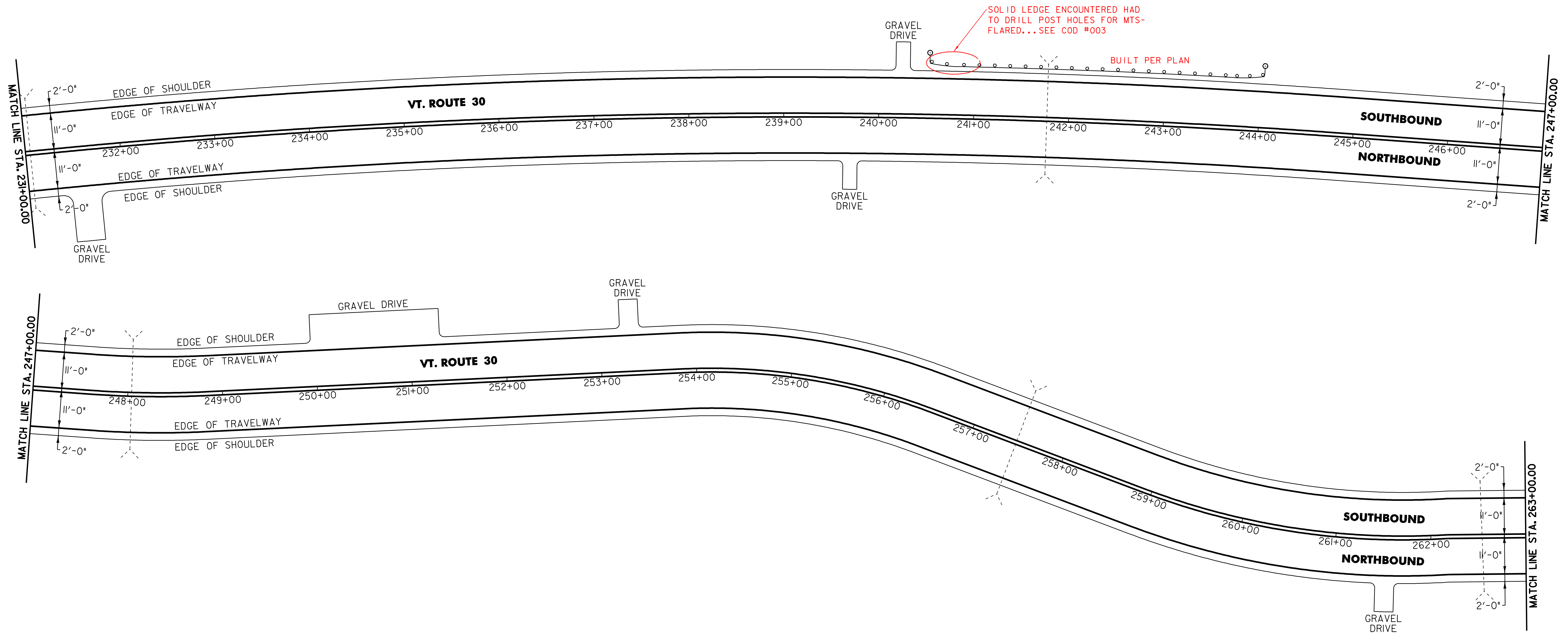
PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:34
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028i22.i	SHEET 34 OF 92	

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 231+00.00 - STA. 263+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 231+00.00 - STA. 263+00.00 LT C RT
 S - S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 231+00.00 - STA. 263+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 231+00.00 - STA. 263+00.00 LT C RT
 S - S



NOTE:

I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

621.20 STEEL BEAM GUARDRAIL (GALVANIZED)
 SUDBURY:
 STA. 240+87.5 - STA. 243+75.0 LT (287.5 LF)

621.505 MANUFACTURED TERMINAL SECTION (FLARED)
 SUDBURY:
 STA. 240+50.0 - STA. 240+87.5 LT
 STA. 243+75.0 - STA. 244+12.5 LT

621.80 REMOVAL & DISPOSAL OF GUARDRAIL
 SUDBURY:
 STA. 241+06.0 - STA. 242+53.0 LT (147.0 LF)

676.10 DELINEATORS WITH STEEL POSTS
 ♀ TYPE 1 WHITE
 SUDBURY:
 STA. 240+50.0 LT
 STA. 244+12.5 LT

PROJECT LAYOUT SHEET

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(1)S
 FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028123.1
 PLOT DATE: 11-JUN-2007 13:34
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 35 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 263+00.00 - STA. 295+00.00 EDGE LINE LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 263+00.00 - STA. 295+00.00 LT @ RT S - S
 STA. 291+29.76 DOUBLE SOLID RT, VT. ROUTE 73

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 263+00.00 - STA. 295+00.00 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR TOWN HIGHWAYS) S=SOLID, D=DASHED
 SUDBURY:
 STA. 263+00.00 - STA. 295+00.00 LT @ RT S - S
 STA. 291+29.76 DOUBLE SOLID RT, VT. ROUTE 73

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 SUDBURY:
 STA. 291+29.76 RT, VT. ROUTE 73

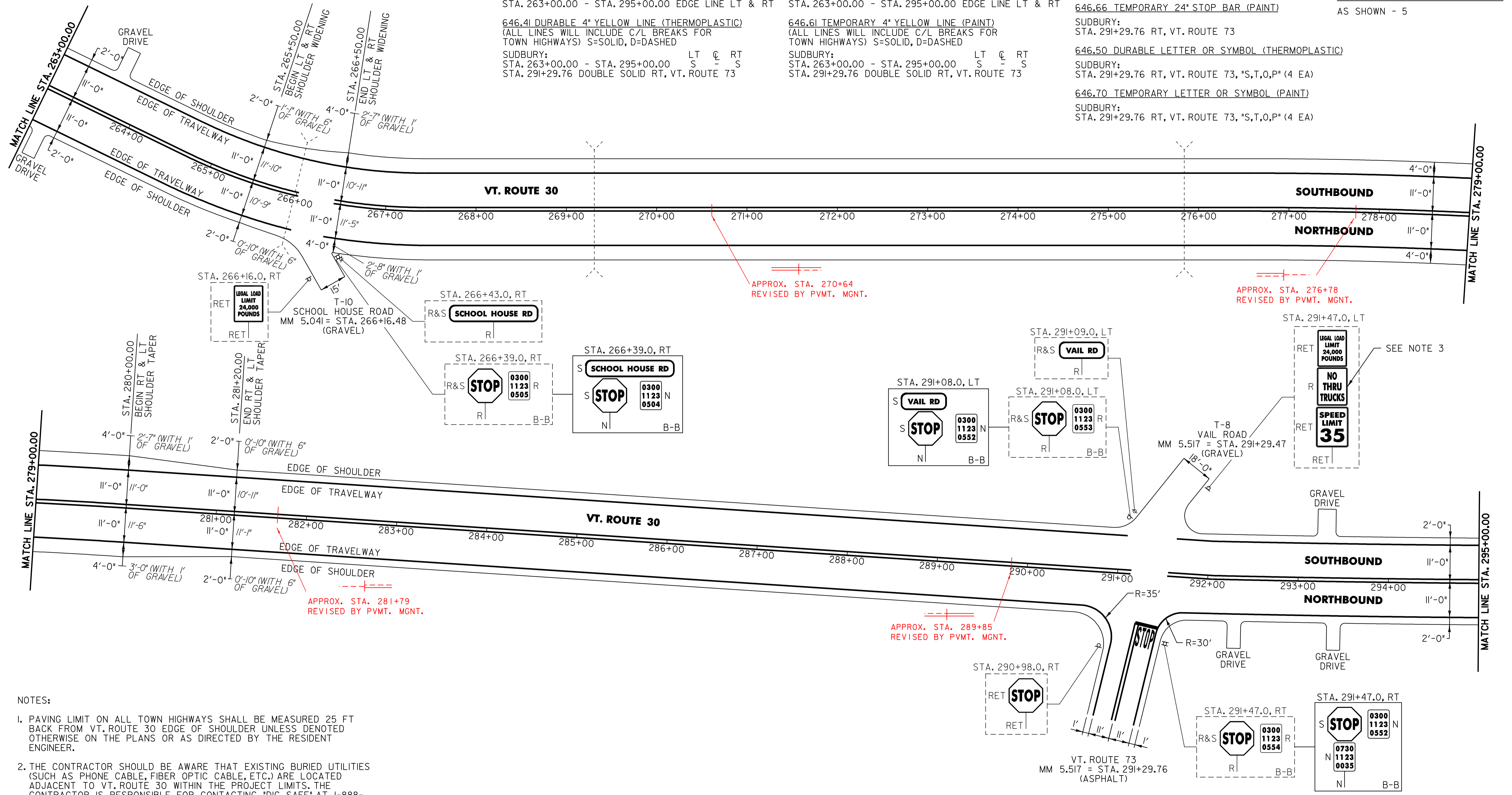
646.66 TEMPORARY 24" STOP BAR (PAINT)
 SUDBURY:
 STA. 291+29.76 RT, VT. ROUTE 73

646.50 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 SUDBURY:
 STA. 291+29.76 RT, VT. ROUTE 73, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OR SYMBOL (PAINT)
 SUDBURY:
 STA. 291+29.76 RT, VT. ROUTE 73, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 9

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 5



- NOTES:
- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
 - THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
 - THE CONTRACTOR SHALL REMOVE THE EXISTING "NO THRU TRUCKS" SIGN AND RETURN IT TO THE TOWN OF SUDBURY. THE CONTRACTOR SHALL ARRANGE THE REMAINING SIGNS AS DIRECTED BY THE RESIDENT ENGINEER.

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

PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:34
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028124.i	SHEET 36 OF 92	

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 295+00.00 - STA. 336+91.68 EDGE LINE LT & RT

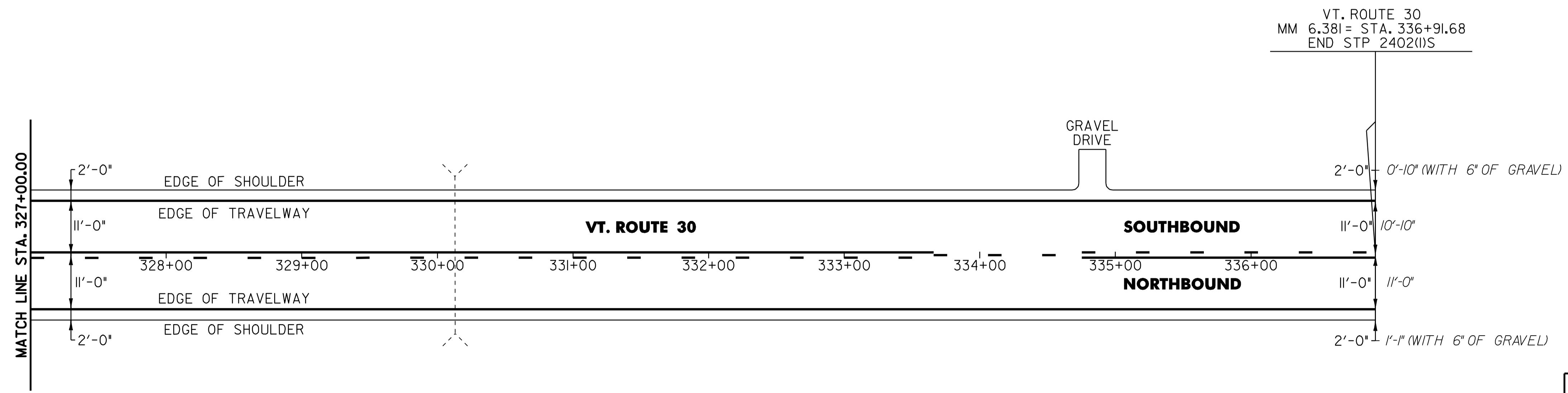
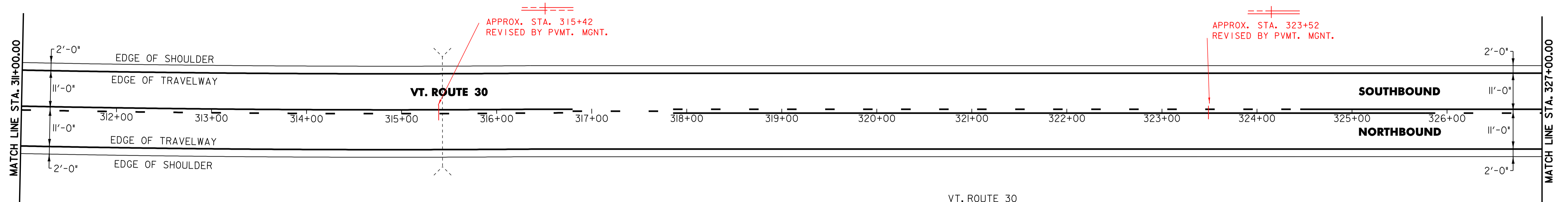
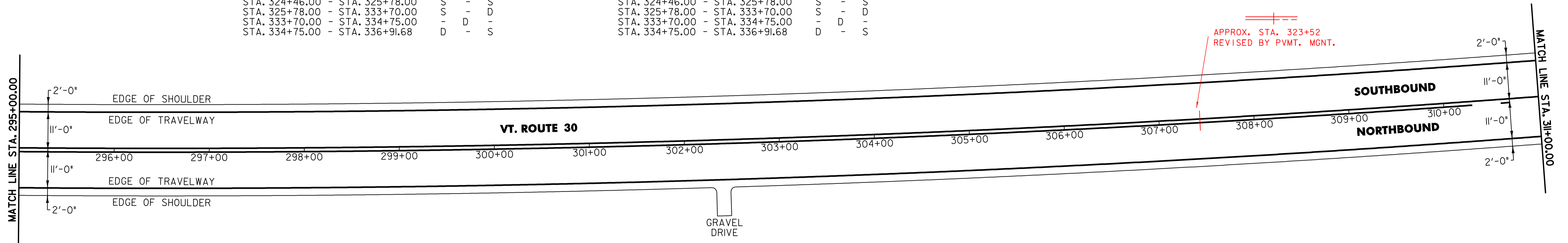
646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

SUDBURY:	LT	C	RT
STA. 295+00.00 - STA. 310+20.00	S	-	S
STA. 310+20.00 - STA. 316+80.00	S	-	D
STA. 316+80.00 - STA. 317+86.00	-	D	-
STA. 317+86.00 - STA. 324+46.00	D	-	S
STA. 324+46.00 - STA. 325+78.00	S	-	S
STA. 325+78.00 - STA. 333+70.00	S	-	D
STA. 333+70.00 - STA. 334+75.00	-	D	-
STA. 334+75.00 - STA. 336+91.68	D	-	S

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 (ALL LINES WILL INCLUDE EDGE LINE BREAKS AND
 RADIUS FOR TOWN HIGHWAYS)
 SUDBURY:
 STA. 295+00.00 - STA. 336+91.68 EDGE LINE LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED

SUDBURY:	LT	C	RT
STA. 295+00.00 - STA. 310+20.00	S	-	S
STA. 310+20.00 - STA. 316+80.00	S	-	D
STA. 316+80.00 - STA. 317+86.00	-	D	-
STA. 317+86.00 - STA. 324+46.00	D	-	S
STA. 324+46.00 - STA. 325+78.00	S	-	S
STA. 325+78.00 - STA. 333+70.00	S	-	D
STA. 333+70.00 - STA. 334+75.00	-	D	-
STA. 334+75.00 - STA. 336+91.68	D	-	S



NOTE:
 I. THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

PROJECT LAYOUT SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
	FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:34
	PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028125.i	SHEET 37 OF 92	

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA. 286+70.40 DOUBLE SOLID RT, T-5

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 (ALL LINES WILL INCLUDE C/L BREAKS FOR
 TOWN HIGHWAYS) S=SOLID, D=DASHED
 CASTLETON:
 STA. 286+70.40 DOUBLE SOLID RT, T-5

646.46 DURABLE 24" STOP BAR (THERMOPLASTIC)
 CASTLETON:
 STA. 286+70.40 RT, T-5

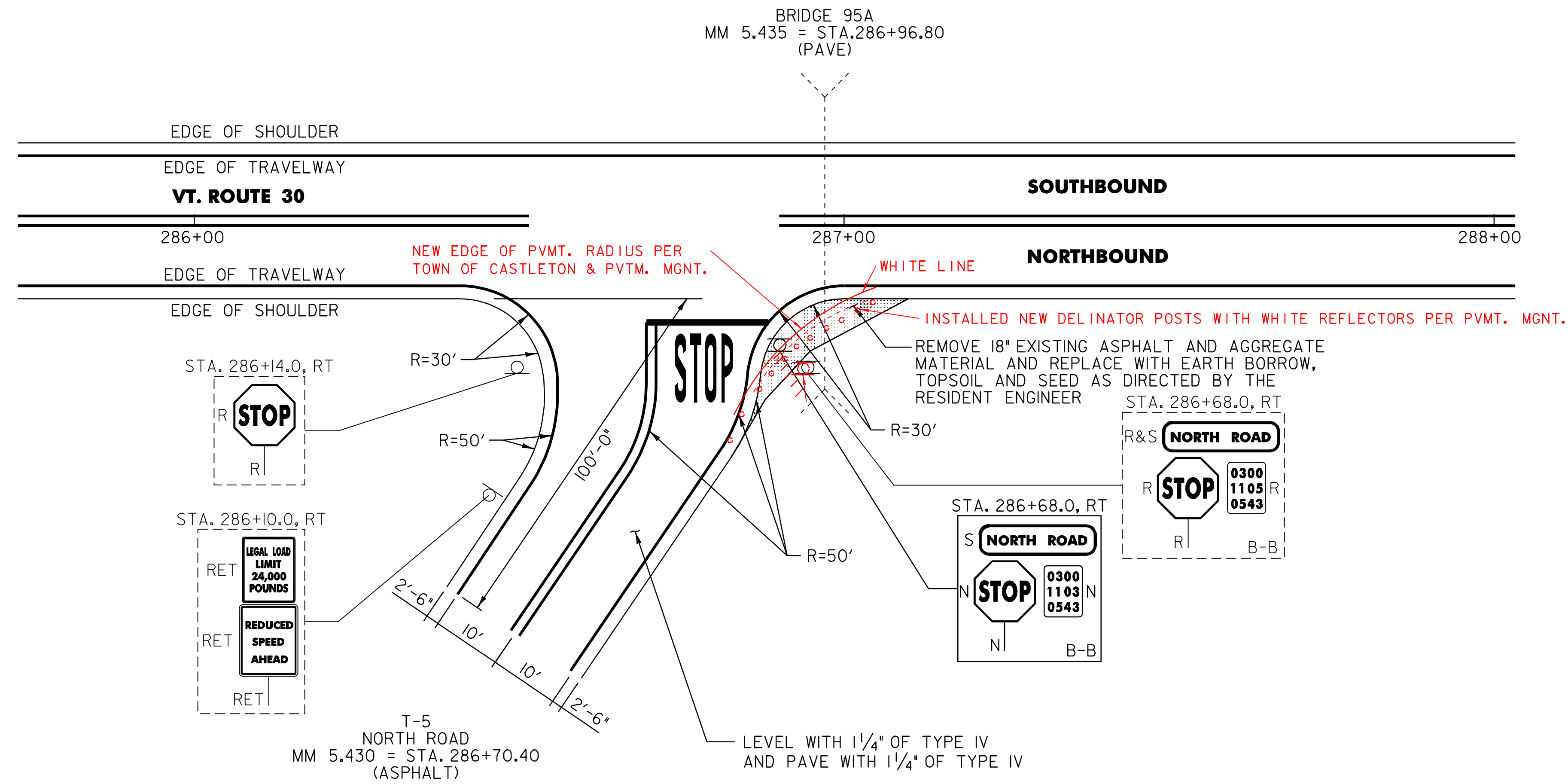
646.66 TEMPORARY 24" STOP BAR (PAINT)
 CASTLETON:
 STA. 286+70.40 RT, T-5

646.51 DURABLE LETTER OR SYMBOL (THERMOPLASTIC)
 CASTLETON:
 STA. 286+70.40 RT, T-5, "S,T,O,P" (4 EA)

646.70 TEMPORARY LETTER OF SYMBOL (PAINT)
 CASTLETON:
 STA. 286+70.40 RT, T-5, "S,T,O,P" (4 EA)

675.50 REMOVING SIGNS
 AS SHOWN - 4

675.60 ERECTING SALVAGED SIGNS
 AS SHOWN - 1



NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

PER REQUEST OF TOWN OF CASTLETON:

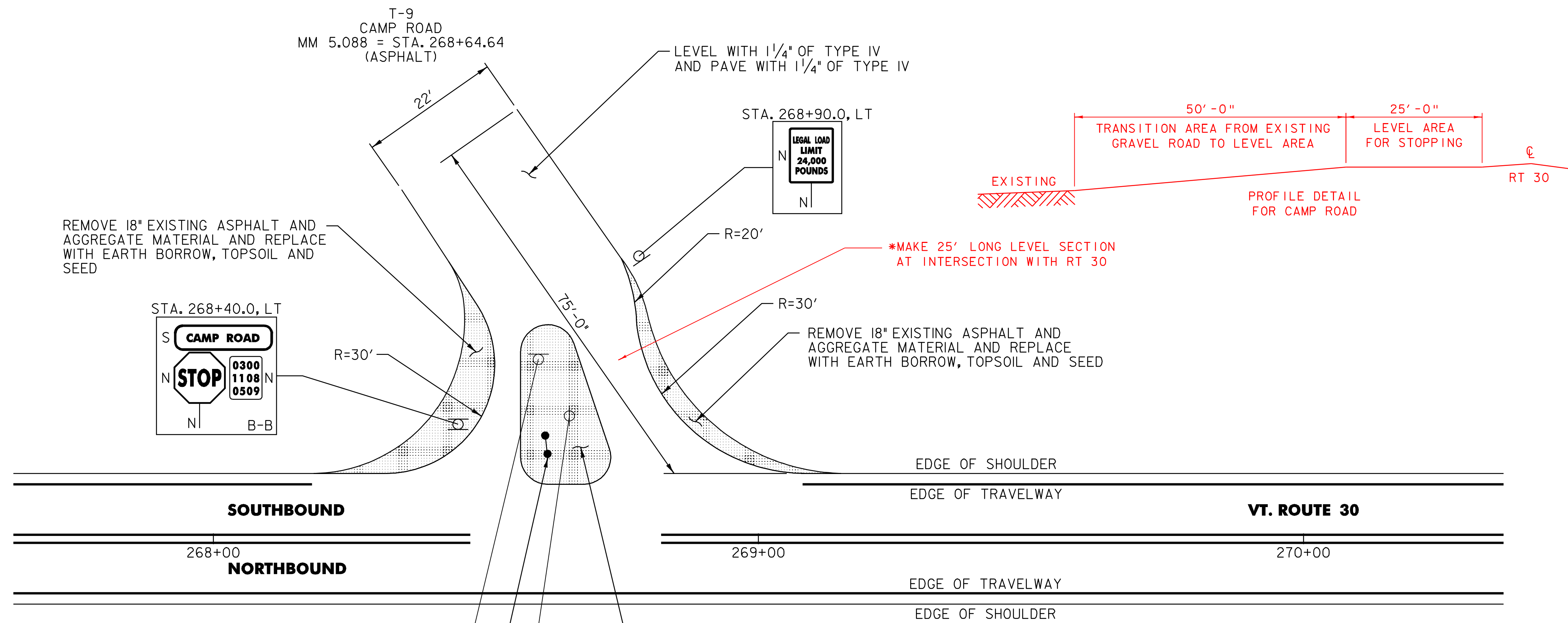
- AS DESIGNED 30' RADIUS WAS "SOFTENED" IN ORDER FOR LOCAL TRUCK TRAFFIC TO NAVIGATE THE TURN ONTO VT RTE 30 NORTH.
- NEW DELINEATORS WERE ADDED TO DELINEATE NEW EDGE OF SHOULDER ON NORTH ROAD.
- 24" STOP BAR WAS LENGTHENED AND ANGLED TO MEET THE NEW ALIGNMENT.
- NEW STOP SIGN MOVED SLIGHTLY TO ACCOUNT FOR CHANGES.

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

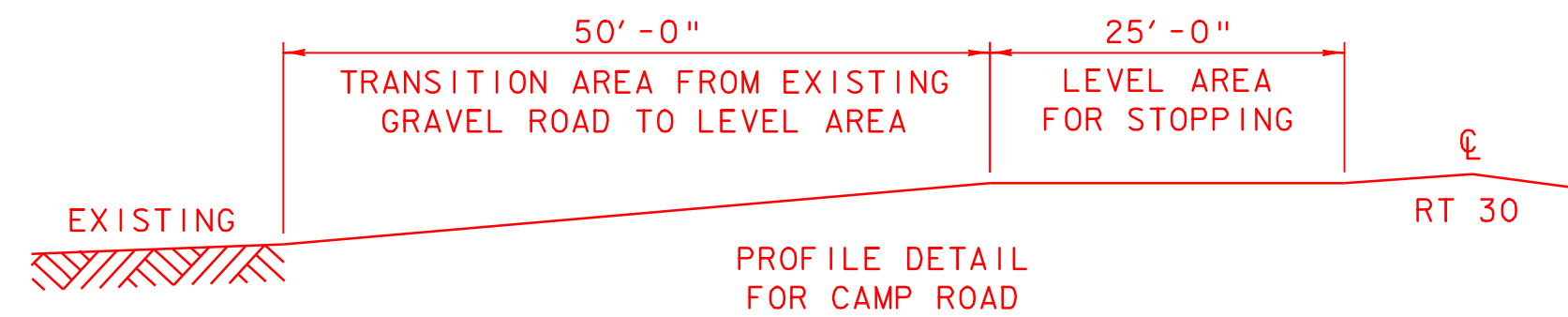
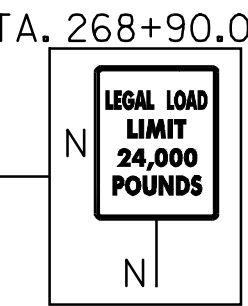
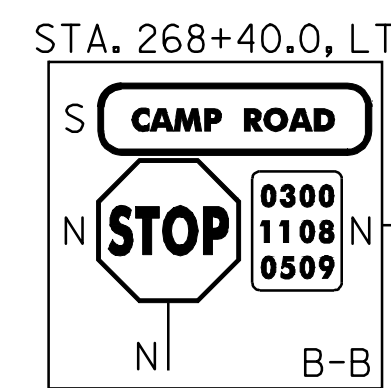
**T-5
 (NORTH ROAD)
 DETAIL SHEET**

PROJECT NAME: CASTLETON - SUDBURY
 PROJECT NUMBER: STP 2402(I)S
 FILE NAME: p04c028.dgn
 PROJECT LEADER: D.E.G.
 DESIGNED BY: D.W.E.
 IPARM FILE: p04c028dsl.l

PLOT DATE: 11-JUN-2007 13:34
 DRAWN BY: C.A.K.
 CHECKED BY: D.E.G.
 SHEET 38 OF 92



REMOVE 18" EXISTING ASPHALT AND AGGREGATE MATERIAL AND REPLACE WITH EARTH BORROW, TOPSOIL AND SEED



*MAKE 25' LONG LEVEL SECTION AT INTERSECTION WITH RT 30

REMOVE 18" EXISTING ASPHALT AND AGGREGATE MATERIAL AND REPLACE WITH EARTH BORROW, TOPSOIL AND SEED

REMOVE 24" EXISTING GRASSED ISLAND AND REPLACE WITH 24" ITEM 301.28 SUBBASE OF CRUSHED GRAVEL (FINE GRADED) AND PAVE AS DIRECTED BY THE RESIDENT ENGINEER

REMOVE EXISTING WOODEN SIGN STRUCTURE AND RETURN IT TO THE PROPERTY OWNER (SEE NOTE 3)

NOTES:

- PAVING LIMIT ON ALL TOWN HIGHWAYS SHALL BE MEASURED 25 FT BACK FROM VT. ROUTE 30 EDGE OF SHOULDER UNLESS DENOTED OTHERWISE ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER.
- THE CONTRACTOR SHOULD BE AWARE THAT EXISTING BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO INSTALLING GUARDRAIL, CLEANING DITCHES OR PERFORMING ANY OTHER OPERATIONS THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.
- THE CONTRACTOR SHALL REMOVE THE EXISTING WOODEN SIGN STRUCTURE AND RETURN IT TO THE PROPERTY OWNER AS DIRECTED BY THE RESIDENT ENGINEER. ALL WORK SHALL BE CONSIDERED INCIDENTAL TO THE INTERSECTION RECONFIGURATION AND SHALL BE PAID FOR UNDER THE APPLICABLE RENTAL ITEM(S) AS DIRECTED BY THE RESIDENT ENGINEER.

BUILT PER PLAN

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

T-9 (CAMP ROAD) DETAIL SHEET	PROJECT NAME: CASTLETON - SUDBURY	
	PROJECT NUMBER: STP 2402(I)S	
FILE NAME: p04c028.dgn	PLOT DATE: 11-JUN-2007 13:34	
PROJECT LEADER: D.E.G.	DRAWN BY: C.A.K.	
DESIGNED BY: D.W.E.	CHECKED BY: D.E.G.	
IPARM FILE: p04c028ds2.i	SHEET 39 OF 92	

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL		
					"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		DETAIL ON DWG. NUMBER		STD. SHEET NUMBER		
		lb/ft									1.75	2.0	2.5	ANCHOR	S L U M E	3.0	4.0	4.0 MOD	FOUND- ATION	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE
		1.12	2.0	3.0							1.88	2.16	3.35			1.3	1.7	1.7		7.6	9.0	10.8	14.6	24"	30"					
CASTLETON: 292+30.0, LT		I	30	30					I			X		X		X											BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138	
339+23.0, LT									I			X		X		X										SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST, COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-		
339+56.0, LT		I	30	30	6.25				I			X		X		X										BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138		
339+56.0, LT		I	24	30	5.00				I			X		X		X										SIGN ID CODE VR-017		E-141		
HUBBARDTON: 47+18.0, RT		I	24	30	5.00				I			X		X		X										SIGN ID CODE VR-017		E-141		
47+77.0, RT																										SALVAGED SIGN TO BE MOUNTED ON NEW POST.	-	-		
47+77.0, RT									I			X		X		X										SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST, COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-		
67+61.0, RT		I	30	30	6.25				I			X		X		X										BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138		
67+61.0, RT		I	24	30	5.00				I			X		X		X										SIGN ID CODE VR-017		E-141		
																										SALVAGED SIGN TO BE MOUNTED ON NEW POST.				
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC OPERATIONS SECTION "SIGN POST DESIGN GUIDELINE."											LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.
											84.0	84.0	84.0	84.0	84.0															
											LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
											84.0	84.0	84.0	84.0	84.0															
											LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	EA.	EA.	EA.	EA.	EA.	EA.	EA.	EA.	
											84.0	84.0	84.0	84.0	84.0															

PROJECT NAME: CASTLETON - SUDBURY
PROJECT NUMBER: STP 2402(I)S
FILE NAME: p04c028.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
IPARM FILE: p04c028+ss2.I
PLOT DATE: 11-JUN-2007 13:34
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 41 OF 92

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST SALVAGED RETAIN	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL											
		E A	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (in)				TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL			FRAMING REQUIRED	DETAIL ON DWG. NUMBER	STD. SHEET NUMBER									
											lb/ft	1.12	2.0	3.0	1.75	2.0	2.5	ANCHOR	SLUICE	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0					5.0	FTG. SIZE		WEIGHT	POST SIZE				
																																24"	30"						
HUBBARDTON: 219+65.0, RT		I	24	30	5.00					I			X		X		X												SIGN ID CODE VR-017		E-141								
219+65.0, RT		I	30	30	6.25					I			X		X		X												49										
220+10.0, RT		I	42	9	2.63																									E-123									
		I	30	30	6.25					I			X		X		X											BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138									
252+17.0, RT		I	24	30	5.00																								SIGN ID CODE VR-017		E-141								
										I			X		X		X												SALVAGED SIGN TO BE MOUNTED ON NEW POST.										
252+17.0, RT		I	30	30	6.25					I			X		X		X												49										
252+52.0, RT										I			X		X		X											SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST. COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-									
		I	30	30	6.25					I			X		X		X											BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138									
266+00.0, RT		I	30	30	6.25					I			X		X		X												SIGN ID CODE W2-2M		E-155								
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC OPERATIONS SECTION "SIGN POST DESIGN GUIDELINE."											LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	LB	EA.	EA.	LB													
											98.0			98.0																									
											LF	LF				EA.	LB				EA.	EA.	LB																
											TOTALS	SF	SF	EA.	SF		LF	LF				EA.	LB				EA.	EA.	LB										
											44.72			2			98.0	98.0																					

PROJECT NAME: CASTLETON - SUDBURY
PROJECT NUMBER: STP 2402(I)S
FILE NAME: p04c028.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
IPARM FILE: p04c028tss4.i
PLOT DATE: 11-JUN-2007 13:34
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 43 OF 92

TRAFFIC SIGN SUMMARY SHEET


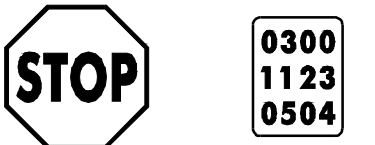

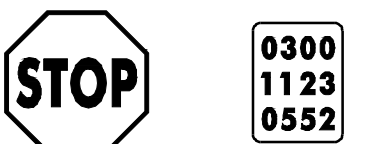
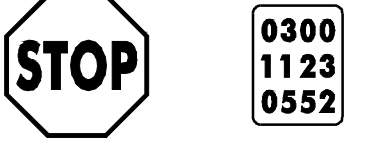

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS			NEW & SALVAGED SIGNS				EXIST POST RETAIN SALVAGE	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL				
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN	SALV TIS			FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL		SFRAM REQ'D		DETAIL ON DWG. NUMBER	STD. SHEET NUMBER			
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUNDATION	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE	
SUDBURY: 59+25.0, RT		1	24	30	5.00					1			X		X		X													SIGN ID CODE VR-017		E-141
59+62.0, RT										1			X		X		X													SALVAGED SIGN TO BE MOUNTED ON NEW POST.		
		1	30	30	6.25																									BACK-TO-BACK SIGN ID CODE RI-1 SIGN ID CODE VD-700		E-143 E-138
176+24.0, RT		1	24	12	2.00					2											2	212.8							X	SIGN ID CODE M4-5		E-136B
																														SALVAGED SIGNS TO BE MOUNTED ON NEW POST.		
																														SALVAGED SIGNS TO BE MOUNTED ON NEW POST.		
																														SALVAGED SIGNS TO BE MOUNTED ON NEW POST.		
178+32.0, RT		1	24	12	2.00					2			X																X	SIGN TO BE MOUNTED ON TWO FLANGED CHANNEL POSTS. SIGN ID CODE M4-5.		E-136B
																														SALVAGED SIGNS TO BE MOUNTED ON NEW POST.		
																														SALVAGED SIGNS TO BE MOUNTED ON NEW POST.		
<p>FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC OPERATIONS SECTION "SIGN POST DESIGN GUIDELINE."</p>											LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	LB	LB	LB	EA.	EA.	LB				
											28.0 (28.0)	28.0 (28.0)					212.8															
TOTALS											SF	SF	EA.	SF	LF	LF	EA.	LB	EA.	EA.	LB											
											15.67		14		28.0 (28.0)	28.0	2	212.8														

PROJECT NAME: CASTLETON - SUDBURY
PROJECT NUMBER: STP 2402(I)S
FILE NAME: p04c028.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
IPARM FILE: p04c028+ss6.i
PLOT DATE: 11-JUN-2007 13:34
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 45 OF 92

TRAFFIC SIGN SUMMARY SHEET

MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST POST	NO. OF POSTS	NEW SIGN POSTS																REMARKS	SIGN DETAIL			
		E A	WIDTH (In)	HEIGHT (In)	"A"	"B"	SALV SIGN			SALV TIS	FLANGED CHANNEL			SQUARE STEEL (In)			TUBULAR ALUMINUM (In)			TUBULAR STEEL (In)				W-SHAPE STEEL			DETAIL ON DWG. NUMBER	STD. SHEET NUMBER		
											1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE				WEIGHT	POST SIZE
SUDBURY: 187+82.0, RT		1	6	10	0.42																					MOUNT NEW SIGN ON EXISTING SIGN POST. BACK-TO-BACK SIGN ID CODE VD-700		E-138		
190+42.0, LT							1				X		X		X											SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST, COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-		
		1	6	10	0.42																					BACK-TO-BACK SIGN ID CODE VD-700		E-138		
190+74.0, RT		1	6	10	0.42																					MOUNT NEW SIGN ON EXISTING SIGN POST. BACK-TO-BACK SIGN ID CODE VD-700		E-138		
										LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	EA.	EA.	LB						
										14.0			14.0				LB			EA.	LB			EA.	EA.	LB				
										14.0			14.0				LB			EA.	LB			EA.	EA.	LB				
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC OPERATIONS SECTION *SIGN POST DESIGN GUIDELINE.*										TOTALS		SF	SF	EA.	SF		LF	LF	EA.	LB	EA.	EA.	LB							
										1.26		2		14.0	14.0		LB	EA.	EA.	LB										
																				PROJECT NAME: CASTLETON - SUDBURY PROJECT NUMBER: STP 2402(I)S		FILE NAME: p04c028.dgn PROJECT LEADER: D.E.G. DESIGNED BY: D.W.E. IPARM FILE: p04c028tss7.i		PLOT DATE: 11-JUN-2007 13:34 DRAWN BY: C.A.K. CHECKED BY: D.E.G. SHEET 46 OF 92						

TRAFFIC SIGN SUMMARY SHEET

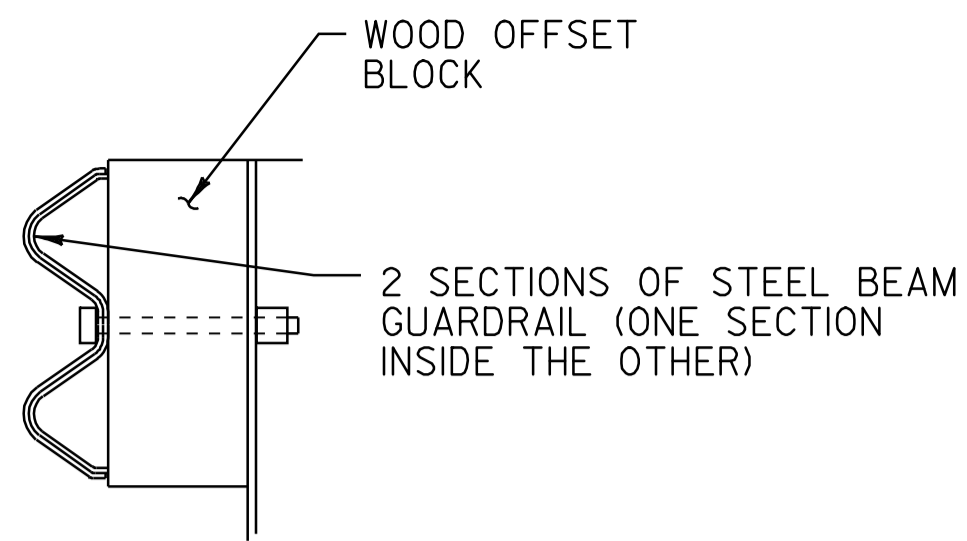
MILEMARKER, STATION, OR SIGN NUMBER	SIGN LEGEND	SIGN DIMENSIONS		NEW & SALVAGED SIGNS				EXIST. POST RETAIN	SALVAGE	NO. OF POSTS	NEW SIGN POSTS																REINFORCEMENT	REMARKS	SIGN DETAIL			
		EA	WIDTH (in)	HEIGHT (in)	"A"	"B"	SALV SIGN				SALV TIS	FLANGED CHANNEL			SQUARE STEEL (in)			TUBULAR ALUMINUM Ø (in)			TUBULAR STEEL Ø (in)				W-SHAPE STEEL				DETAIL ON DWG. NUMBER	STD. SHEET NUMBER		
												1.12	2.0	3.0	1.75	2.0	2.5	3.0	4.0	4.0 MOD	FOUND-ATION	3.0	3.5	4.0	5.0	FTG. SIZE					WEIGHT	POST SIZE
SUDBURY: 266+39.0, RT							I						X		X		X											SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST, COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-		
		I	6	10	0.42		I																					BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	- E-138		
291+08.0, LT							I						X		X		X											SALVAGED SIGN TO BE MOUNTED ON NEW POST. TOP MOUNTING BRACKET REQUIRED TO INSTALL SALVAGED SIGN ON NEW POST, COSTS ASSOCIATED WITH THIS BRACKET ARE INCIDENTAL TO THE SIGN POST.	-	-		
		I	6	10	0.42		I																					BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	- E-138		
291+47.0, RT		I	6	10	0.42		I						X		X		X											BACK-TO-BACK SALVAGED SIGN TO BE MOUNTED ON NEW POST. SIGN ID CODE VD-700	-	- E-138		
		I	6	10	0.42																							SIGN ID CODE VD-700		E-138		

LF	LF	LF	LF	LF	LF	EA.	LB	LB	LB	LB	LB	EA.	EA.	LB	
42.0			42.0												
LF		LF		EA.		LB		EA.		LB		EA.		LB	
1.68		5				42.0		42.0							

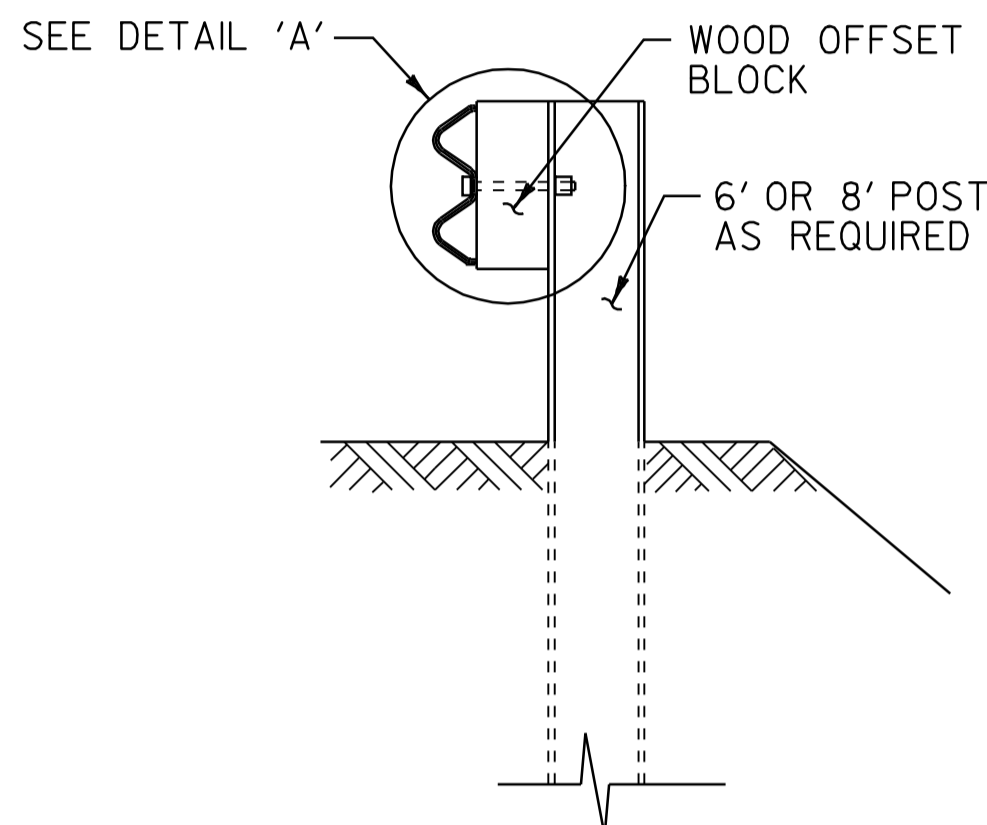
FINAL POST LENGTHS ARE TO BE DETERMINED IN THE FIELD. POST SIZES ARE COMPUTED BASED ON INFORMATION FURNISHED ON THE STANDARD SHEETS AND THE TRAFFIC OPERATIONS SECTION "SIGN POST DESIGN GUIDELINE."

PROJECT NAME: CASTLETON - SUDBURY
PROJECT NUMBER: STP 2402(I)S
FILE NAME: p04c028.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
IPARM FILE: p04c028+ss8.i
PLOT DATE: 11-JUN-2007 13:34
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 47 OF 92

TOTALS



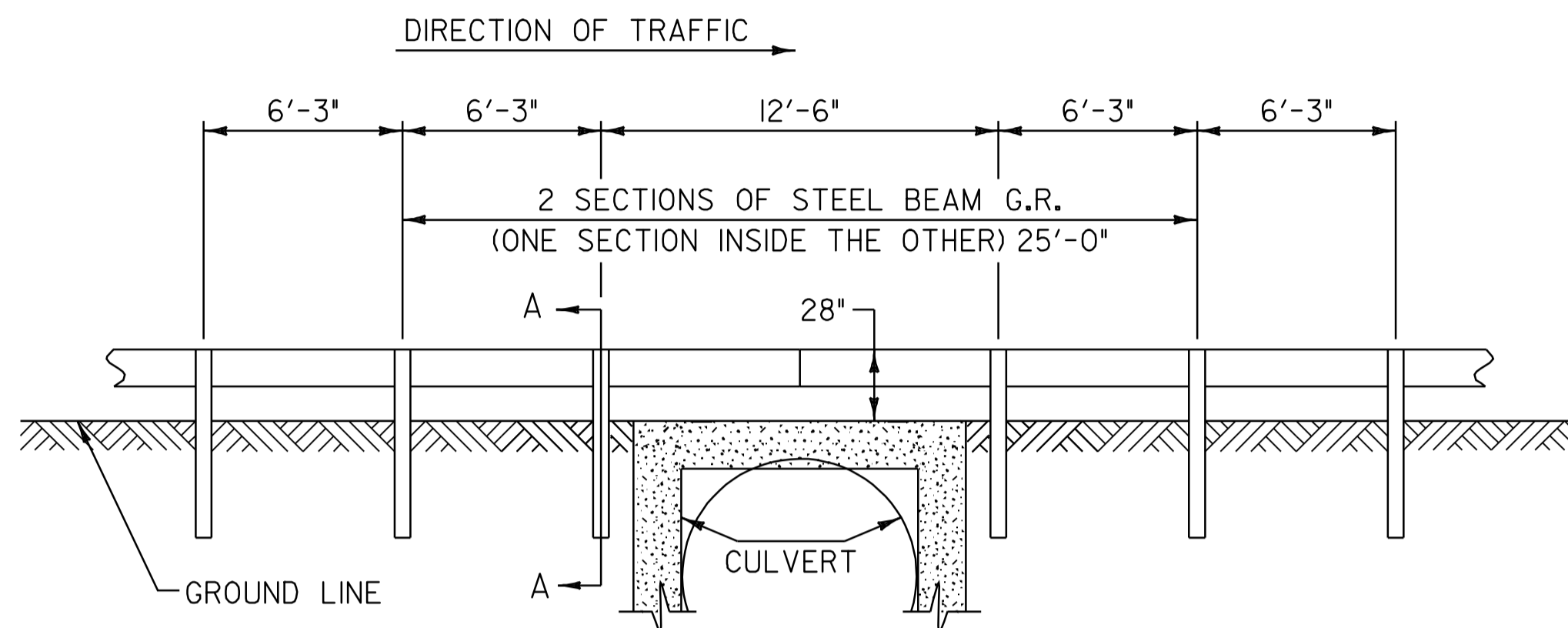
DETAIL A
N.T.S.



SECTION A-A
N.T.S.

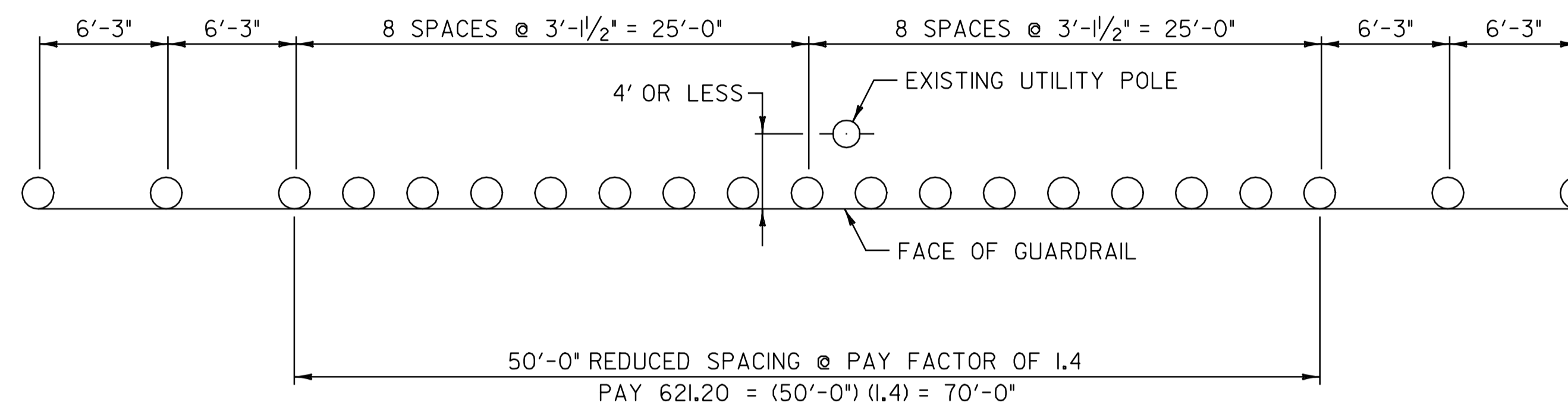
NOTES

1. SEE STANDARD G-IFOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20 STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEET OR AS DIRECTED BY THE RESIDENT ENGINEER.



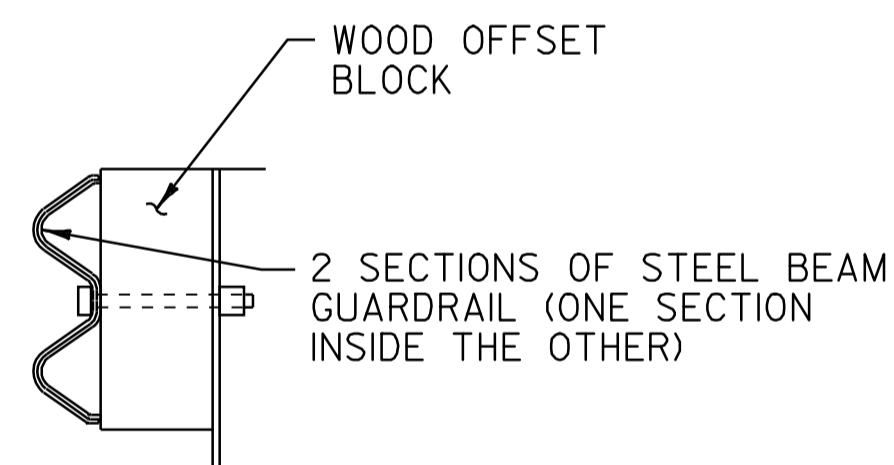
STEEL BEAM GUARDRAIL AT SMALL CULVERTS DETAIL

N.T.S.
VT. ROUTE 30 BRIDGE 95 CASTLETON STA. 280+15.68 LT
VT. ROUTE 30 BRIDGE 98 HUBBARDTON STA. 218+59.2 LT
VT. ROUTE 30 BRIDGE 98 HUBBARDTON STA. 218+59.2 RT

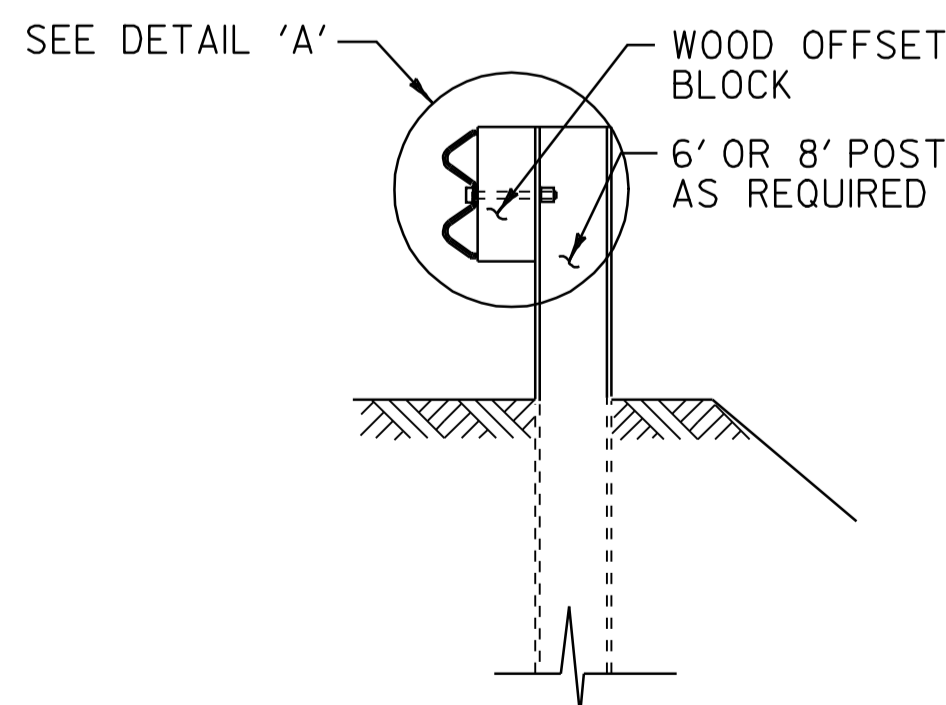


REDUCED STEEL BEAM GUARDRAIL POST SPACING AT UTILITY POLE DETAIL

N.T.S.
VT. ROUTE 30 HUBBARDTON STA. 205+83.0 LT
VT. ROUTE 30 HUBBARDTON STA. 207+36.0 LT
VT. ROUTE 30 HUBBARDTON STA. 209+86.0 LT



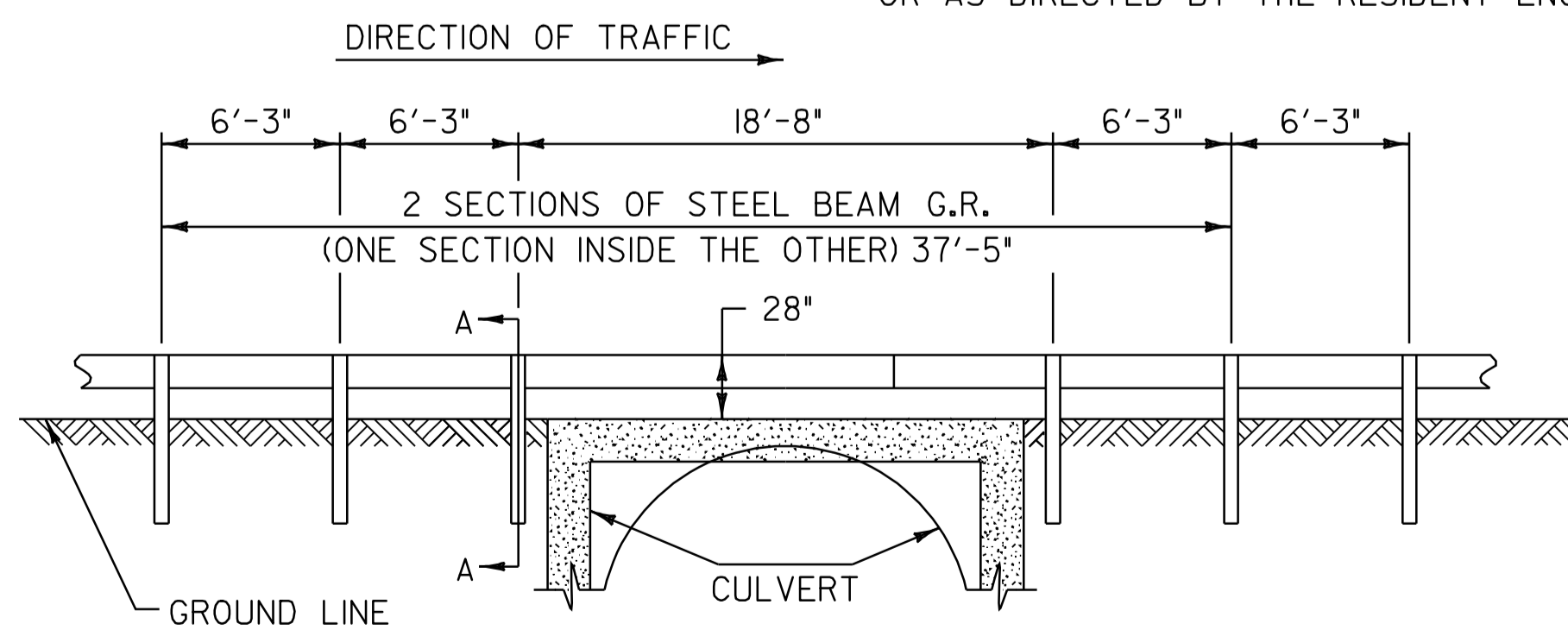
DETAIL A
N.T.S.



SECTION A-A
N.T.S.

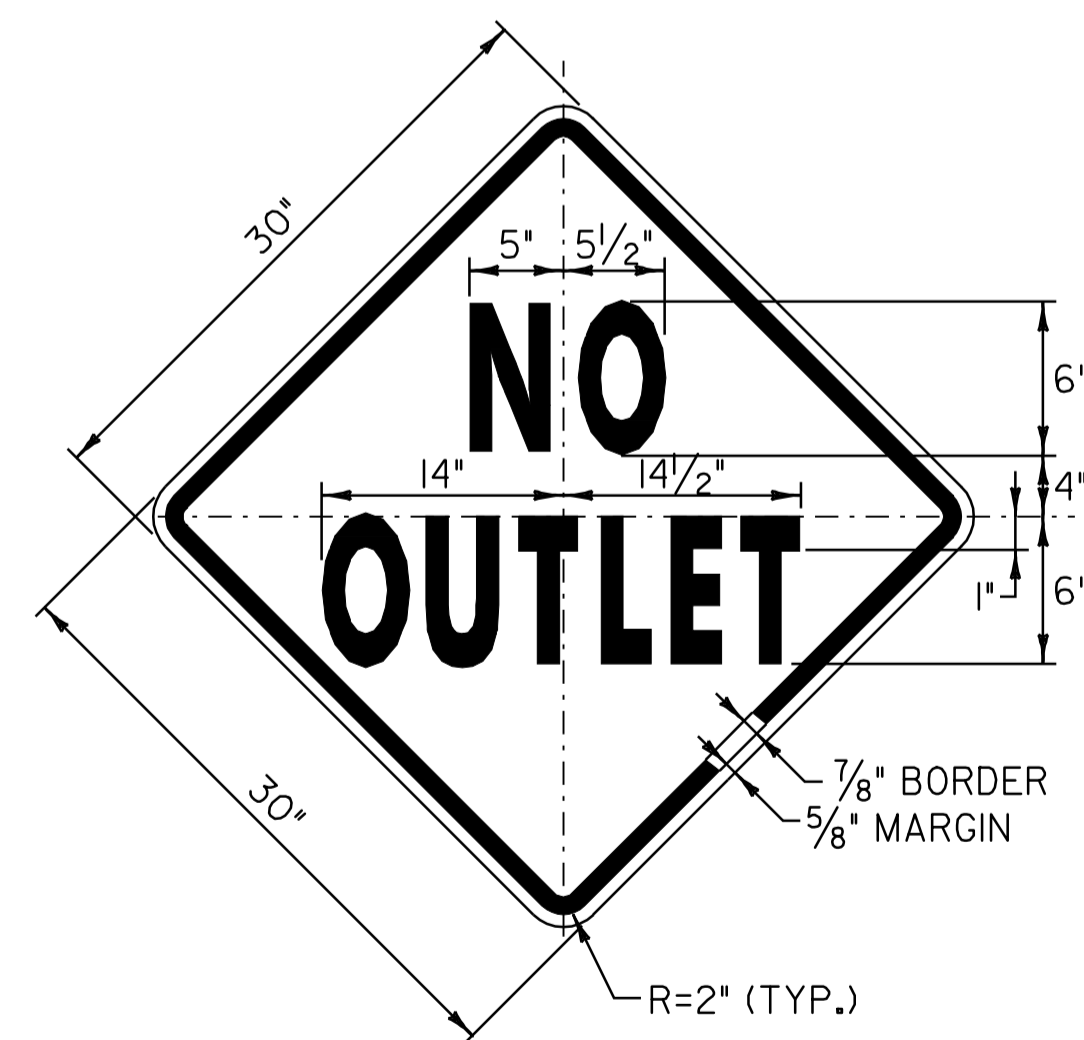
NOTES

1. SEE STANDARD G-IFOR STEEL BEAM GUARDRAIL DETAILS.
2. THIS WORK SHALL BE PAID UNDER ITEM 621.20 STEEL BEAM GUARDRAIL AT A PAY FACTOR OF 1.0.
3. THIS DETAIL TO BE USED AS INDICATED ON THE ITEM DETAIL SUMMARY SHEETS OR AS DIRECTED BY THE RESIDENT ENGINEER.



STEEL BEAM GUARDRAIL AT LARGE CULVERTS DETAIL

N.T.S.
VT. ROUTE 30 BRIDGE 95 CASTLETON 279+99.84



COLOR: BLACK BORDER & TEXT (REFLECTORIZED)
YELLOW BACKGROUND (REFLECTORIZED)

MATERIAL: PER VAOT STANDARD E-152
SIGN - VT. ROUTE 30

HUBBARDTON:
STA. 219+65.0, RT
STA. 252+17.0, RT

**MISCELLANEOUS
DETAILS
SHEET**

PROJECT NAME: CASTLETON - SUDBURY

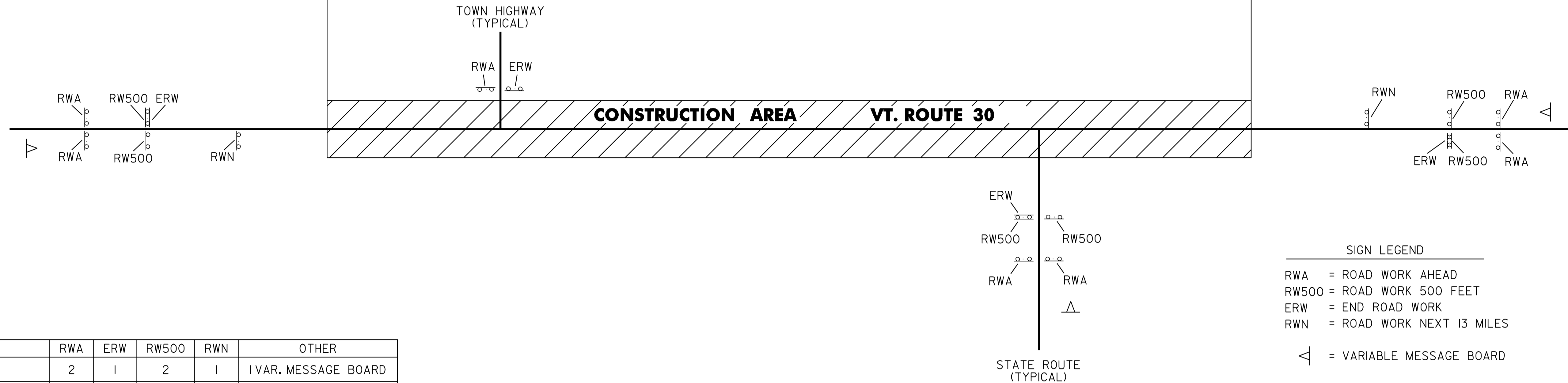
PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
IPARM FILE: p04c028md.1

PLOT DATE: 11-JUN-2007 13:34
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 49 OF 92

VT. ROUTE 30
MM 5.182 = STA. 273+60.96
BEGIN PROJECT STP 2402(I)S

VT. ROUTE 30
MM 6.381 = STA. 336+91.68
END PROJECT STP 2402(I)S



HIGHWAY NAME	RWA	ERW	RW500	RWN	OTHER
BEGIN PROJECT	2	1	2	1	1 VAR. MESSAGE BOARD
CRYSTAL MEADOWS (T-52)	1	1			
CRYSTAL MEADOWS (T-52)	1	1			
EAST CRYSTAL MEADOWS (T-51)	1	1			
NORTH ROAD (T-5)	1	1			
CRYSTAL LANE (T-23)	1	1			
FLOAT BRIDGE ROAD (T-14)	1	1			
PENCIL MILL ROAD (T-6)	1	1			
DIKEMAN ROAD (T-18)	1	1			
MONUMENT HILL ROAD (T-2)	1	1			
HORTONIA ROAD (T-1)	1	1			
GANSON HILL W (T-15)	1	1			
DELANCEY ROAD (T-10)	1	1			
CAMP ROAD (T-9)	1	1			
ST. JOHNS ROAD (T-19)	1	1			
TOWN HIGHWAY ROUTE 144 (T-2)	2	1	2		1 VAR. MESSAGE BOARD
BURR POND ROAD (T-1)	1	1			
VT. ROUTE 73	2	1	2		1 VAR. MESSAGE BOARD
QUARRY ROAD (T-12)	1	1			
HUFF POND ROAD (T-22)	1	1			
T-23	1	1			
BLACKSMITH LANE (T-24)	1	1			
T-13	1	1			
SCHOOL HOUSE ROAD (T-10)	1	1			
VT. ROUTE 73	2	1	2		1 VAR. MESSAGE BOARD
VAIL ROAD (T-8)	1	1			
END PROJECT	2	1	2	1	1 VAR. MESSAGE BOARD
TOTAL	32	27	10	2	

CONSTRUCTION APPROACH SIGNING

NOTES:

- SEE VAOT STD. E-100 FOR ADDITIONAL SIGN PLACEMENT.
- CONSTRUCTION ZONE SIGN LAYOUT SHALL BE IN ACCORDANCE WITH SECTION 6 OF THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- CONSTRUCTION SIGNS SHALL BE IN NEW OR LIKE NEW CONDITION PER VAOT STANDARDS.
- DIAMOND SHAPED SIGNS SHALL BE 4' X 4' WITH BLACK LEGEND ON FLUORESCENT ORANGE BACKGROUND.
- CONSTRUCTION ZONE SIGNS SHALL BE INSTALLED ON TWO POSTS EACH OR AS AN NCHRP 350 COMPLIANT SIGN/STAND SYSTEM.
- VARIABLE MESSAGE BOARDS SHALL BE PLACED AS DIRECTED BY THE RESIDENT ENGINEER.

CONSTRUCTION APPROACH SIGNING DETAIL SHEET

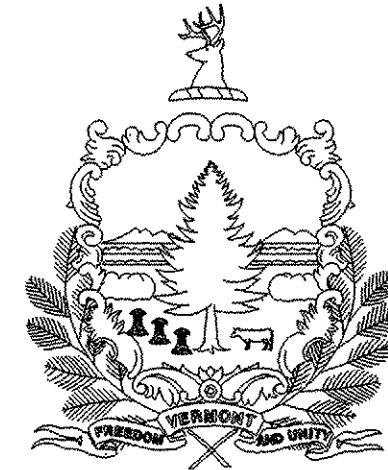
PROJECT NAME: CASTLETON - SUDBURY
PROJECT NUMBER: STP 2402(I)S

FILE NAME: p04c028.dgn
PROJECT LEADER: D.E.G.
DESIGNED BY: D.W.E.
IPARM FILE: p04c028cas.i

PLOT DATE: 11-JUN-2007 13:34
DRAWN BY: C.A.K.
CHECKED BY: D.E.G.
SHEET 50 OF 92

FOR INDEX OF SHEETS
SEE SHEET 57

STATE OF VERMONT AGENCY OF TRANSPORTATION

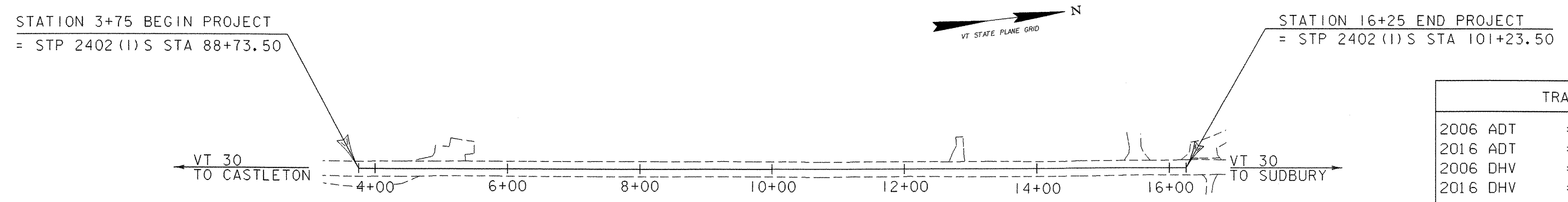
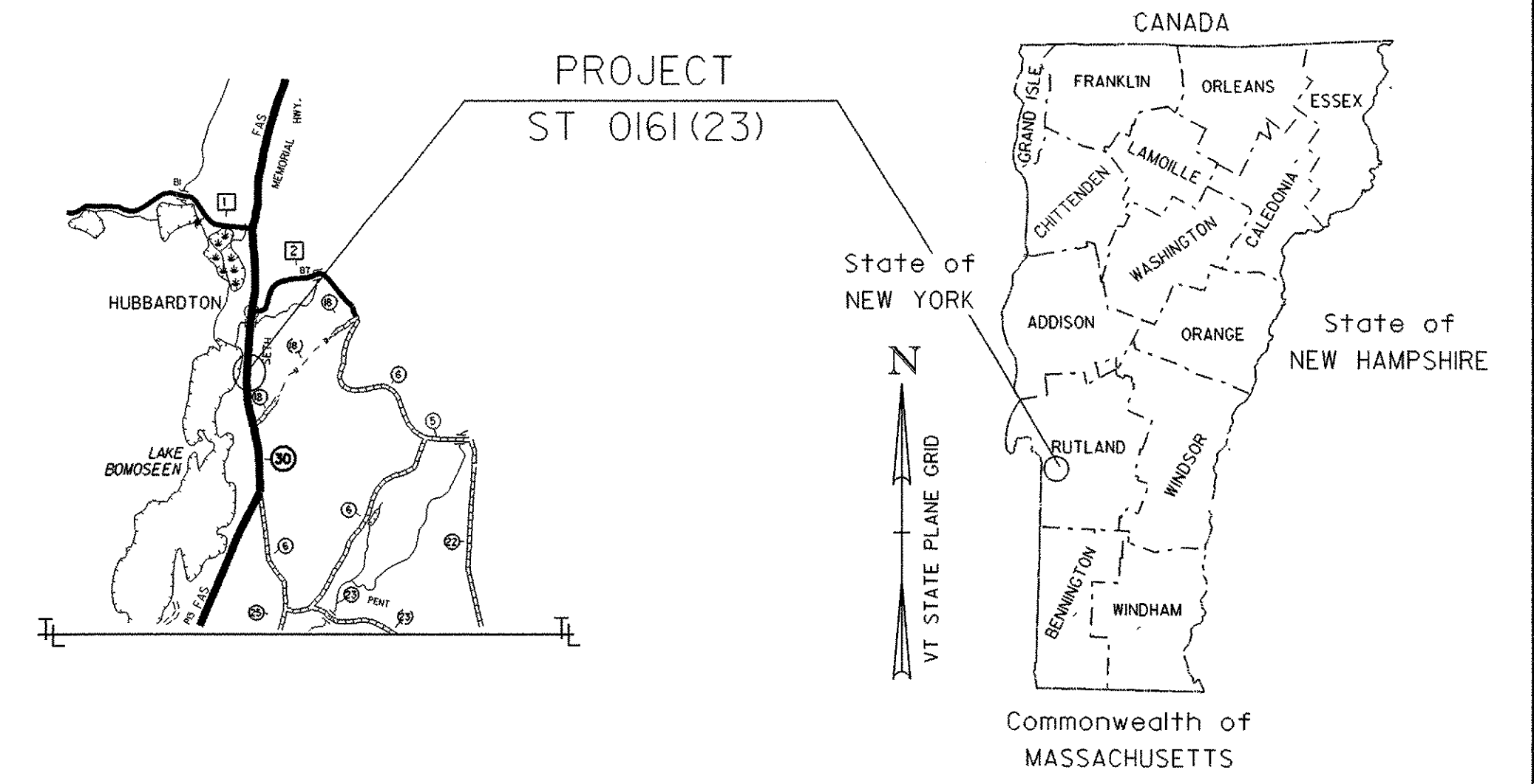


PROPOSED IMPROVEMENT TOWN OF HUBBARDTON COUNTY OF RUTLAND VT 30 (MAJOR COLLECTOR)

BEGINNING AT A POINT 1.6806 MILES NORTH OF THE CASTLETON/HUBBARDTON TOWN LINE AT
M.M. 1.6806 AND EXTENDING NORTHERLY 0.2367 MILES TO M.M. 1.9173

THE PROJECT SHALL CONSIST OF COLD PLANING, ADDITIONAL SUBBASE MATERIAL,
RECLAIMING, FINE GRADING OF SUBGRADE, PAVING, AND NEW GUARDRAIL

LENGTH OF ROADWAY = 1250 FEET = 0.2367 MILES
LENGTH OF PROJECT = 1250 FEET = 0.2367 MILES



TRAFFIC DATA	
2006 ADT	= 2,500
2016 ADT	= 2,900
2006 DHV	= 320
2016 DHV	= 360
TOTAL ESALS (2006~2016)	= 361,000
TOTAL ESALS (2006~2026)	= 863,000

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

SURVEYED BY : L. ORVIS
SURVEYED DATE : 10/16/03

DATUM
VERTICAL NAVD88
HORIZONTAL NAD83(96)

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 2001 AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON JANUARY 4, 2001 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

PROJECT MANAGER : K. UPMAL

PROJECT NAME : HUBBARDTON
PROJECT NUMBER : ST 0161(23)

SHEET 56 OF 92 SHEETS

INDEX OF SHEETS

INDEX OF SHEETS

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 57 INDEX OF SHEETS
 58 TYPICAL ROADWAY SECTIONS SHEET
 59 CONSTRUCTION TRANSITION DETAIL SHEET
 60 QUANTITY SHEET
 61-67 PLAN AND PROFILE SHEETS
 68-69 GUARDRAIL DETAIL SHEETS
 70-72 TRAFFIC SIGNS AND LINES PLAN SHEETS
 73 TRAFFIC SIGN SUMMARY SHEET
 74 EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NARRATIVE
 75-77 EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN SHEETS
 78 EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) GENERAL NOTES
 79-92 CROSS SECTIONS

VAOT STANDARDS

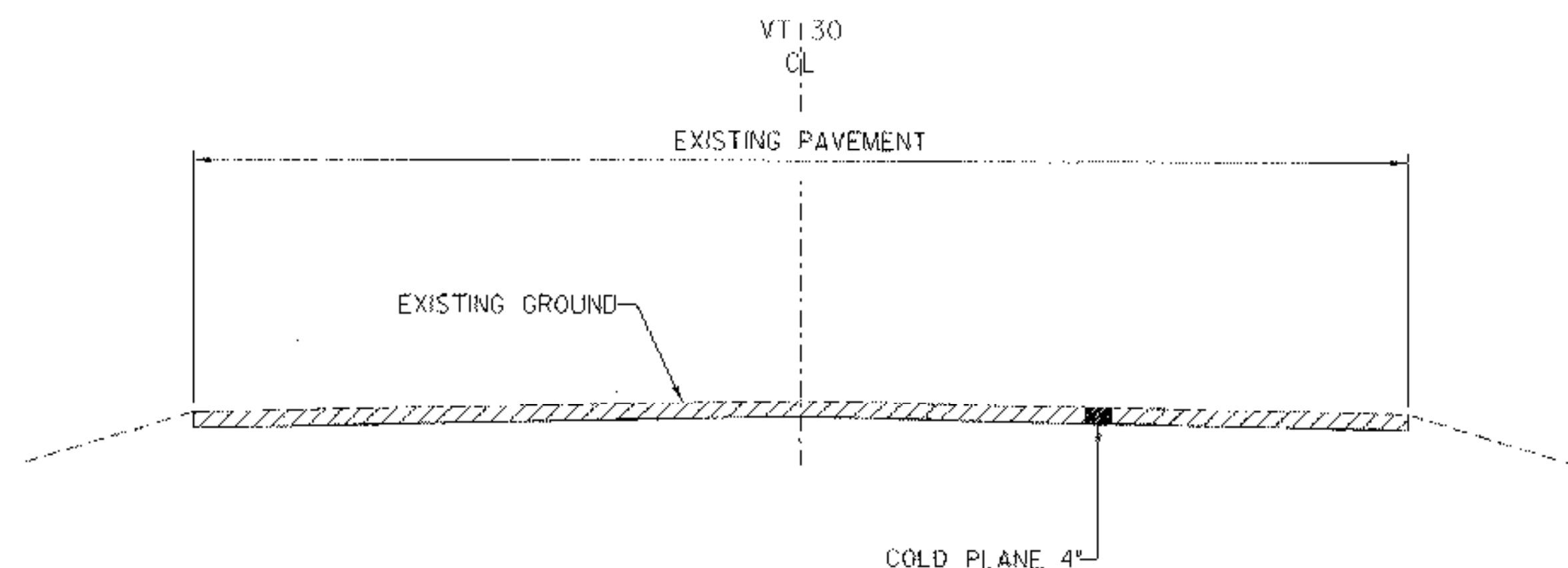
B-71	RESIDENTIAL AND COMMERCIAL DRIVES	07-08-05
E-100	CONSTRUCTION APPROACH SIGNS	01-02-04
E-101	CONSTRUCTION SIGN DETAILS	05-30-03
E-102	CONSTRUCTION SIGN DETAILS	06-30-03
E-103	MANLINE TRAFFIC CONTROL DIVIDED HIGHWAY ONE LANE CLOSED	03-01-04
E-106	TRAFFIC CONTROL - MISCELLANEOUS DETAILS	03-01-04
E-108	CONSTRUCTION ZONE LONGITUDINAL DROP OFFS	08-18-95
E-110	MAJOR MAINTENANCE OPERATION LANE CLOSURE	08-08-95
E-111	MINOR MAINTENANCE OPERATION	03-11-97
E-138	MILEMARKER DETAILS STATE AND TOWN HIGHWAYS	05-30-03
E-155	WARNING SIGN DETAILS	05-01-04
E-160	FLANGED CHANNEL STEEL SIGN POST	05-20-99
E-164	SQUARE STEEL SIGN POST	05-20-99
E-193	PAVEMENT MARKING DETAILS	08-18-95
G-1b	BOX BEAM GUARD RAIL	06-01-94
G-19	GENERIC GRADING PLANS FOR GUARDRAIL END TERMINALS	11-15-02

PROJECT NAME:	HUBBARDTON		
PROJECT NUMBER:	ST 0161(23)		
FILE NAME:	03c044/DESIGN/d03c044f.m	PLOT DATE:	01-18-2006
PROJECT LEADER:	K. UPMAL	DRAWN BY:	J. DEVLIN
DESIGNED BY:	J. DEVLIN	CHECKED BY:	R. DELLASANTA
INDEX OF SHEETS		SHEET	57 OF 92

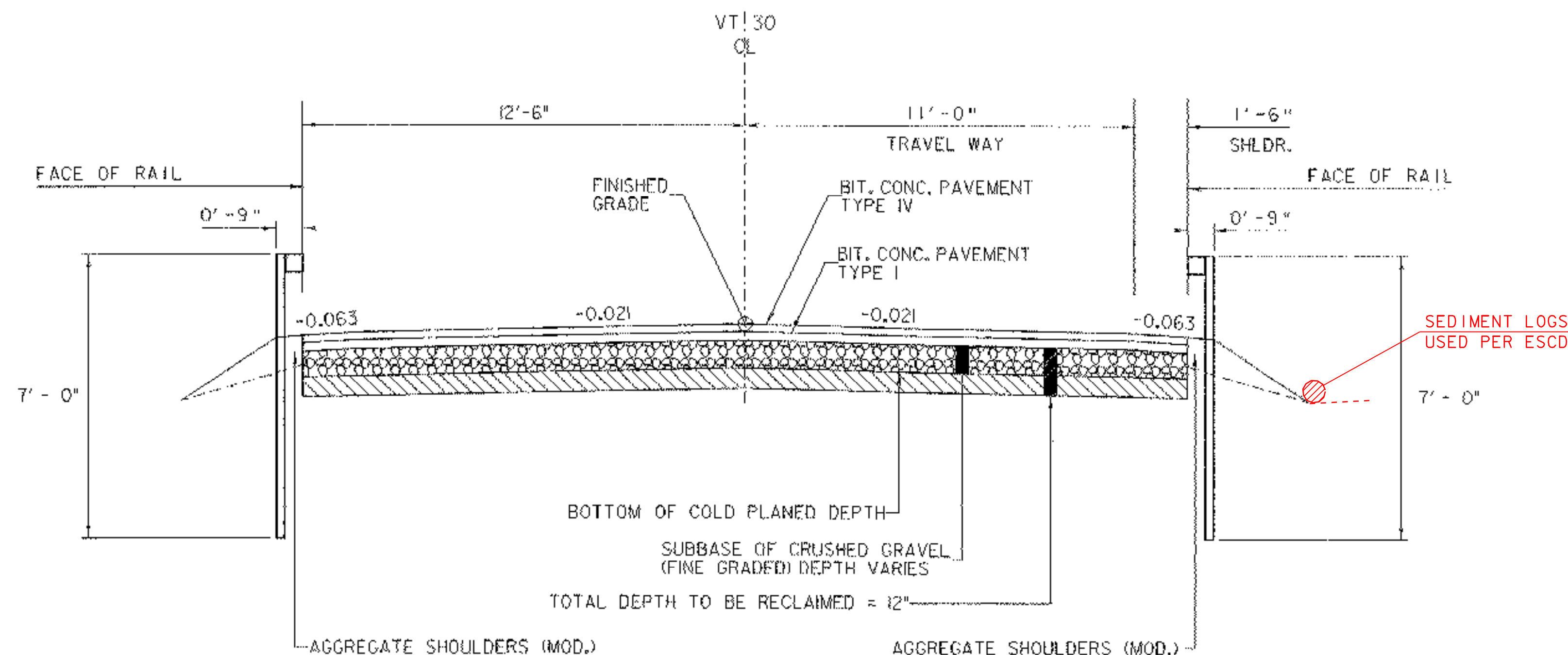
VT ROUTE 30
TYPICAL SECTIONS

NOT TO SCALE

2 1/2" TYPE IV MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-28) (2 - 1 1/4" PAVEMENT LIFTS)
3" TYPE I MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-28) (1 - 3" PAVEMENT LIFT)



COLD PLANE TYPICAL SECTION
PHASE 1



NORMAL SECTION
PHASE 2

NOTES

1. THE PAVEMENT WEARING COURSE SHALL BE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT, TYPE IV, AND SHALL BE APPLIED CONTINUOUS WITH PROJECT STP 2402(1)S.
THE PAVEMENT BASE COURSE SHALL BE MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT, TYPE I.
THE ASPHALT CEMENT USED IN THE BITUMINOUS CONCRETE PAVEMENT SHALL BE PG 58-28.
2. EMULSIFIED ASPHALT SHALL BE APPLIED ON EXISTING PAVEMENT SURFACES (NOT INCLUDING RECLAIMING SURFACE), BETWEEN ALL COURSES OF PAVEMENT AND ON COLD PLANED SURFACES AT THE RATE OF 0.15 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
3. BITUMINOUS CONCRETE PAVEMENT TOLERANCE = +/- 1/4 INCH (TOTAL THICKNESS EXCLUDING LEVELING).
4. COLD PLANING TO BE COMPLETED ACCORDING TO THE TYPICAL OR AS NOTED OTHERWISE ON THE PLANS. TEMPORARY FILLET TO BE BUILT ON APPROACHES.
5. ALL DRIVES SHALL RECEIVE A PAVED APRON AS DIRECTED BY THE RESIDENT ENGINEER.
6. IN LOCATIONS WHERE THERE IS NO GUARDRAIL THE EDGE OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH ITEM 402.12, AGGREGATE SHOULDERS (MOD.), AS INDICATED ON THE CROSS SECTIONS.
7. COMPACTION, GRADING, AND CLEAN UP OF ITEM 301.28, SUBBASE OF CRUSHED GRAVEL (FINE GRADED), ITEM 402.12, AGGREGATE SHOULDERS (MOD.), AND ITEM 651.35, TOPSOIL, IS TO BE INCLUDED IN THE CONTRACT PRICE OF EACH ITEM.
8. STABILIZING AGENT FOR THE RECLAIMED STABILIZED BASE WILL BE WATER, PAYMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 310.20.
9. SUBBASE OF CRUSHED GRAVEL (FINE GRADE) SHALL BE INCLUDED IN THE TOTAL RECLAIM DEPTH.

CONSERVATION SEED MIX

RURAL AREA - SEED MIXTURE

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.00	60.0			

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

SEED:
TO BE APPLIED PER SEEDING FORMULA OR AS DIRECTED BY THE RESIDENT ENGINEER

FERTILIZER:
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:
TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER

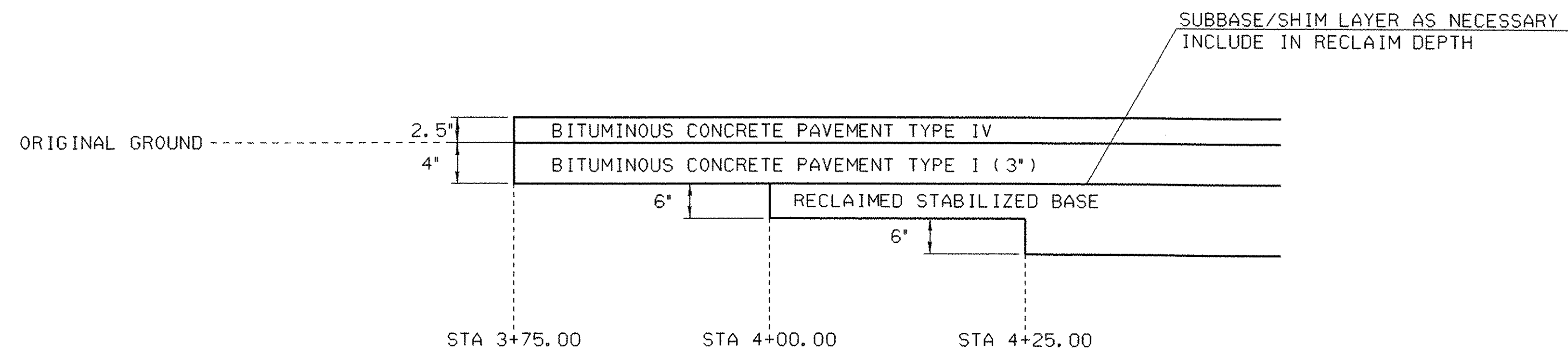
HAY MULCH:
TO BE APPLIED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE RESIDENT ENGINEER

TOPSOIL:
TO BE USED WITH SEED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER

PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 016(23)
FILE NAME:	PW/03c044/Design/d03c044typ
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	J. DEVLIN
TYPICAL ROADWAY SECTIONS SHEET	
PLOT DATE:	21-MAR-2006
DRAWN BY:	J. DEVLIN
CHECKED BY:	R. DELLASANTA
SHEET 58	OF 92

**VT ROUTE 30
CONSTRUCTION TRANSITION DETAILS**

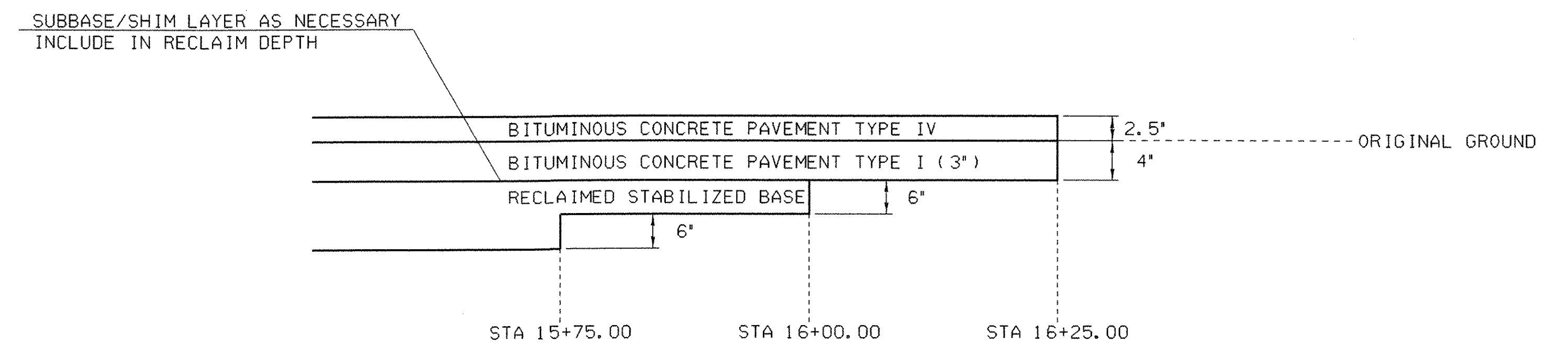
BEGIN PROJECT TRANSITION DETAIL



NOTES

1. ST 016(23) STA 3+75.00 = STP 2402(1)S STA 88+73.50
MATCH STP 2402(1)S TYPICAL SECTION
2. ST 016(23) STA 4+00.00
ST 016(23) PAVEMENT TYPICAL

END PROJECT TRANSITION DETAIL



NOTES

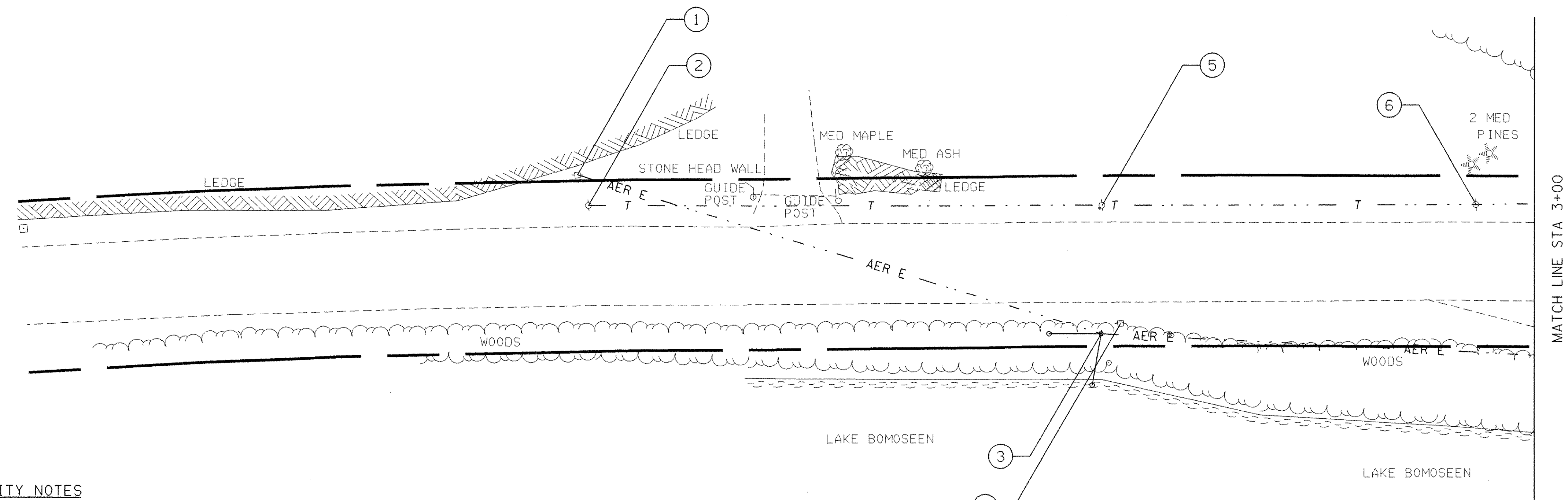
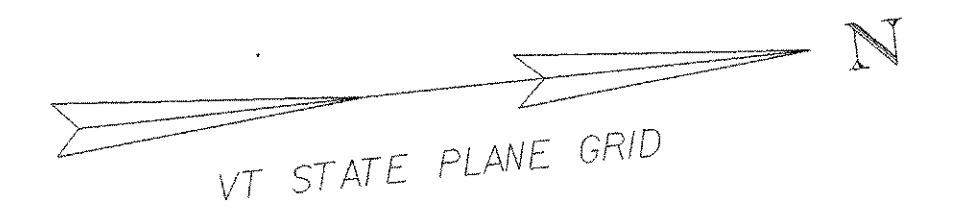
1. ST 016(23) STA 16+25.00 = STP 2402(1)S STA 101+23.50
MATCH STP 2402(1)S TYPICAL SECTION
2. ST 016(23) STA 16+00.00
ST 016(23) PAVEMENT TYPICAL

PROJECT NAME: HUBBARDTON	
PROJECT NUMBER: ST 016(23)	
FILE NAME: PW/03c044/Design/d03c044+yp	PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
CONSTRUCTION TRANSITION DETAIL SHEET	SHEET 59 OF 92

QUANTITY SHEET

SUMMARY OF ESTIMATED QUANTITIES										TOTALS		DESCRIPTIONS			DETAILED SUMMARY OF QUANTITIES			
								ROADWAY	EROSION CONTROL	GRAND TOTAL	FINAL	UNIT	ITEMS	ITEM NUMBER	ROUND	QUANTITIES	UNIT	ITEMS
								1		1		LS	CLEARING AND GRUBBING (INCL. INDV. TREES & STUMPS)	201.10				
								20		20		CY	COMMON EXCAVATION	203.15	5			
								3510		3510		SY	FINE GRADING-SUBGRADE	203.40	37			
								3210		3210		SY	COLD PLANING-BIT.PAVEMENT	210.10	30			
								940		940		TON	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	301.28	12			
								3210		3210		SY	RECLAIMED STABILIZED BASE	310.20	30			
								350		350		TON	AGGREGATE SHOULDERS (MOD.)	402.12	4			
								10		10		CWT	EMULSIFIED ASPHALT	404.65	1			
								1070		1070		TON	MEDIUM DUTY BITUMINOUS CONCRETE PAVEMENT (PG 58-28)	406.27	10			
								170		170		MGAL	DUST CONTROL WITH WATER	609.10	2			
									2430	2430		LF	SNOW FENCE (MOD. - PDF)	620.70	24			
									2280	2280		LF	MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG)	620.80	27			
								1694		1694		LF	BOX BEAM GUARD RAIL (MOD. - 7' POSTS & 3' POST SPACING)	621.30				
								4		4		EACH	MANUFACTURED TERMINAL SECTION (MOD.)	621.505				
								1466		1466		LF	REMOVL AND DISP OF GUARD RAIL	621.80				
								150		150		HR	UNIFORMED TRAFFIC OFFICERS	630.10				
								150		150		HR	FLAGGERS	630.15				
								.1		.1		LS	MOBILIZATION / DEMOBILIZATION	635.11				
								.1		.1		LS	TRAFFIC CONTROL	641.10				
								2525		2525		LF	DURABLE 4" WHITE LINE (THERMOPLASTIC)	646.40	25			
								2525		2525		LF	DURABLE 4" YELLOW LINE (THERMOPLASTIC)	646.41	25			
								5050		5050		LF	TEMPORARY 4" WHITE LINE (PAINT)	646.60	50			
								5050		5050		LF	TEMPORARY 4" YELLOW LINE (PAINT)	646.61	50			
								1250		1250		EACH	LINE STRIPING TARGETS	646.76				
								11		11		LB	SEED	651.15	1			
								90		90		LB	FERTILIZER	651.18	4			
								1		1		TON	AGRICULTURAL LIMESTONE	651.20	.6			
								1		1		TON	HAY MULCH	651.25	.6			
								50		50		CY	TOPSOIL	651.35	4			
								1		1		LS	EROSION PREVENTION & SEDIMENT CONTROL PLAN	652.10				
								60		60		HR	MONITORING EROSION PREVENTION & SEDIMENT CONTROL PLAN	652.20				
								1		1		LU	MAINTENANCE OF EROSION PREVENTION & SEDIMENT CONTROL PLAN (N.A.B.I.)	652.30				
								7		7		SF	TRAFFIC SIGNS, TYPE A	675.20				
								16		16		LF	FLANGED CHANNEL SIGN POST	675.301				
								18		18		LF	FLANGED CHANNEL SIGN POST (BEGIN SIGN POST OPTION ITEMS)	675.301				
								18		18		LF	SQUARE TUBE SIGN POSTS AND ANCHOR (END SIGN POST OPTION ITEMS)	675.341				
								3		3		EACH	REMOVING SIGNS	675.50				

PROJECT NAME: HUBBARDTON
PROJECT NUMBER: ST 0161(23)
FILE NAME: 03c044/DESIGN/d03c044frm
PROJECT MANAGER: K. UPMAL
DESIGNED BY: J. DEVLIN
QUANTITY SHEET
PLOT DATE: 02/27/2006
DRAWN BY: J. DEVLIN
CHECKED BY: R. DELLASANTA
SHEET 60 OF 92



UTILITY NOTES

- ① EXISTING ELECTRIC POLE 53 229X TO REMAIN
- ② EXISTING TELEPHONE POLE 191 229 A TO REMAIN
- ③ NEW ELECTRIC POLE 229
NEW GUY WIRE (2)
- ④ EXISTING ELELCTRIC POLE 229 TO BE REMOVED
EXISTING GUY WIRE (2) TO BE REMOVED
- ⑤ EXISTING TELEPHONE POLE TO REMAIN
- ⑥ EXISTING TELEPHONE POLE 192 TO REMAIN

THE CONTRACTOR SHOULD BE AWARE THAT EXISTING ACTIVE BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS SOUTH OF COMBINATION POLE 228. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO PERFORMING ANY OPERATION THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.

NOTE: THIS PLAN SHEET HAS BEEN INCLUDED TO DISPLAY THE UTILITY RELOCATION ROUTE TO THE NECESSARY EXTENT. THERE WILL BE NO CONSTRUCTION ACTIVITIES ASSOCIATED WITH PROJECT ST 0161(23) OCCURRING IN THIS AREA. THEREFORE A CORRESPONDING PROFILE SHEET HAS NOT BEEN INCLUDED IN THIS PLAN SET.



PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 0161(23)
FILE NAME: PW/03c044/Design/d03c044bdr	PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
PLAN SHEET I	SHEET 61 OF 92

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 5+43.2 - 8+50.0 LT
 STA 4+92.6 - 8+50.0 RT

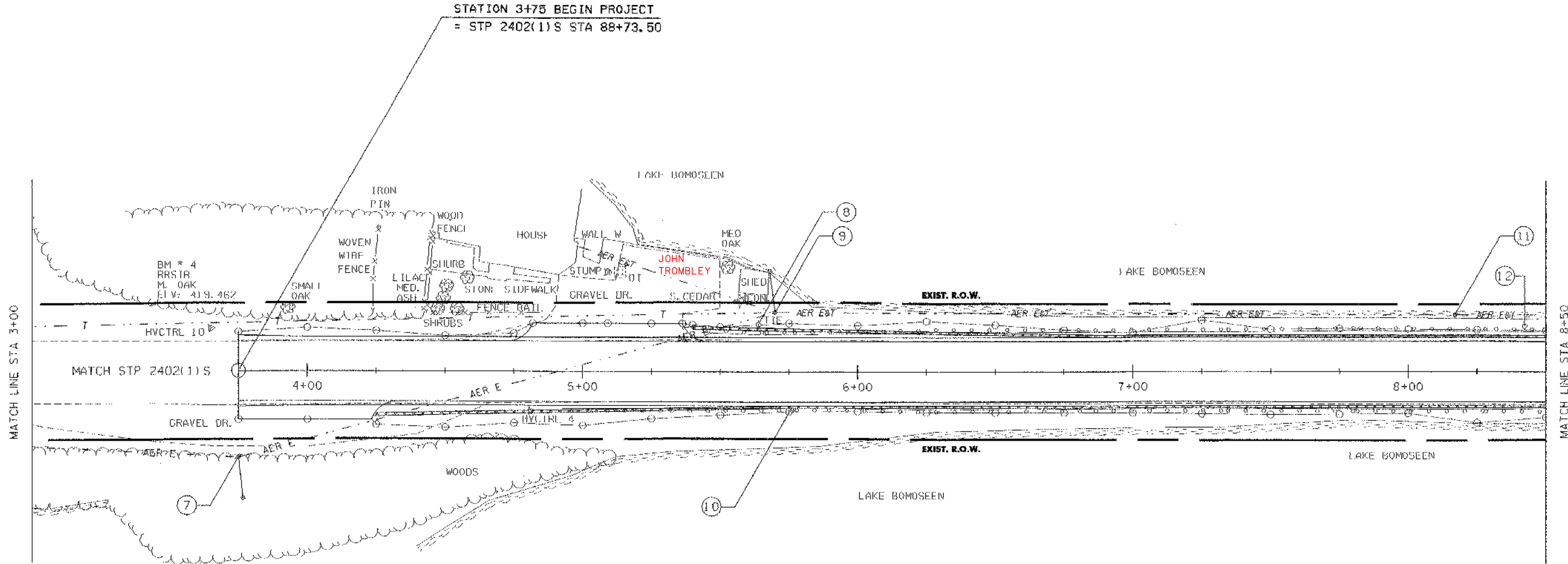
BOX BEAM GUARDRAIL (MOD. - 7' POSTS & 3' POST SPACING)
 STA 4+74.1 - 8+50.0 RT
 STA 5+89.1 - 8+50.0 LT

MANUFACTURED TERMINAL SECTION (MOD.)
 STA 4+25.0 - 4+74.1 RT
 STA 5+40.0 - 5+89.1 LT

CONSTRUCT DRIVEWAY PAVED ASPHON
 STA 4+00.0 RT
 STA 5+09.1 LT



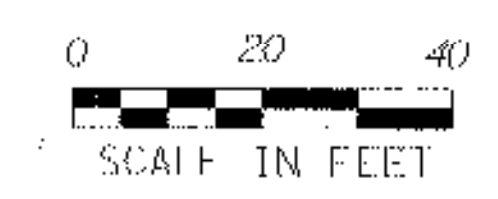
STATION 3+75 BEGIN PROJECT
 = STP 2402(1) S STA 88+73.50



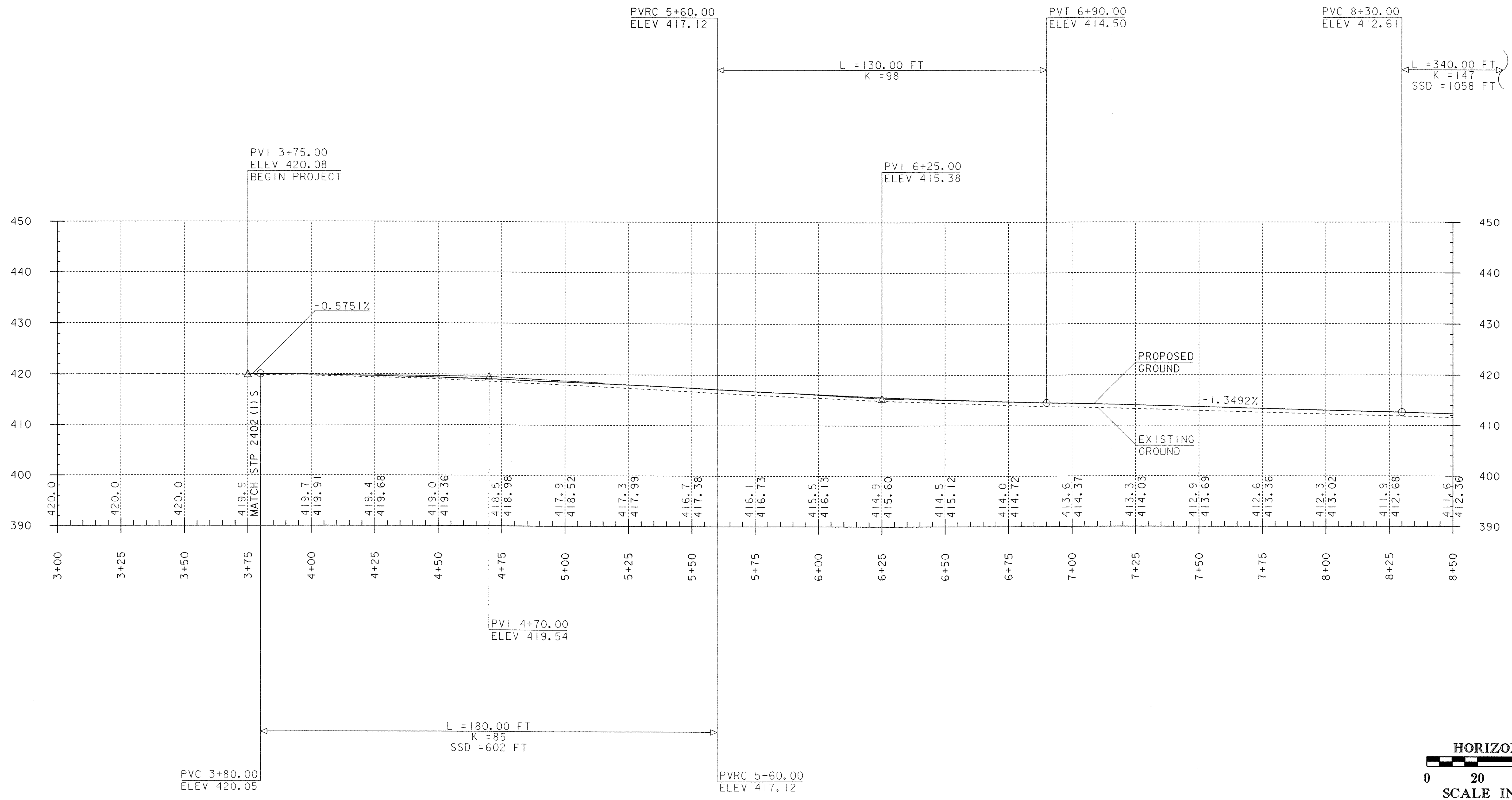
UTILITY NOTES

- ⑦ STA 3+75.00 RIGHT
 NEW ELECTRIC POLE 228X
 NEW GUY WIRE
- ⑧ STA 5+64.00 LEFT
 EXISTING TELEPHONE POLE
 TO BE REMOVED
- ⑨ STA 5+70.00 LEFT
 NEW COMBINATION POLE 228
 NEW GUY WIRE
 END ACTIVE UNDERGROUND UTILITIES
- ⑩ STA 5+76.00 RIGHT
 EXISTING ELECTRIC POLE 228
 TO BE REMOVED
- ⑪ STA 8+17.00 LEFT
 NEW COMBINATION POLE 227X
- ⑫ STA 8+42.00 LEFT
 EXISTING TELEPHONE POLE 194
 TO BE REMOVED

THE CONTRACTOR SHOULD BE AWARE THAT EXISTING ACTIVE BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS SOUTH OF COMBINATION POLE 228. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO PERFORMING ANY OPERATION THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.



PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 0161(23)
FILE NAME: PW/03c044/Design/d03c044bdr	PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
PLAN SHEET 2, STA 3+00 - 8+50	SHEET 62 OF 92



DATUM
 VERTICAL: NAVD 1988
 HORIZONTAL: N/A

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE OLD GROUND ALONG THE CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE PROPOSED FINISHED GRADE ALONG THE CENTERLINE.

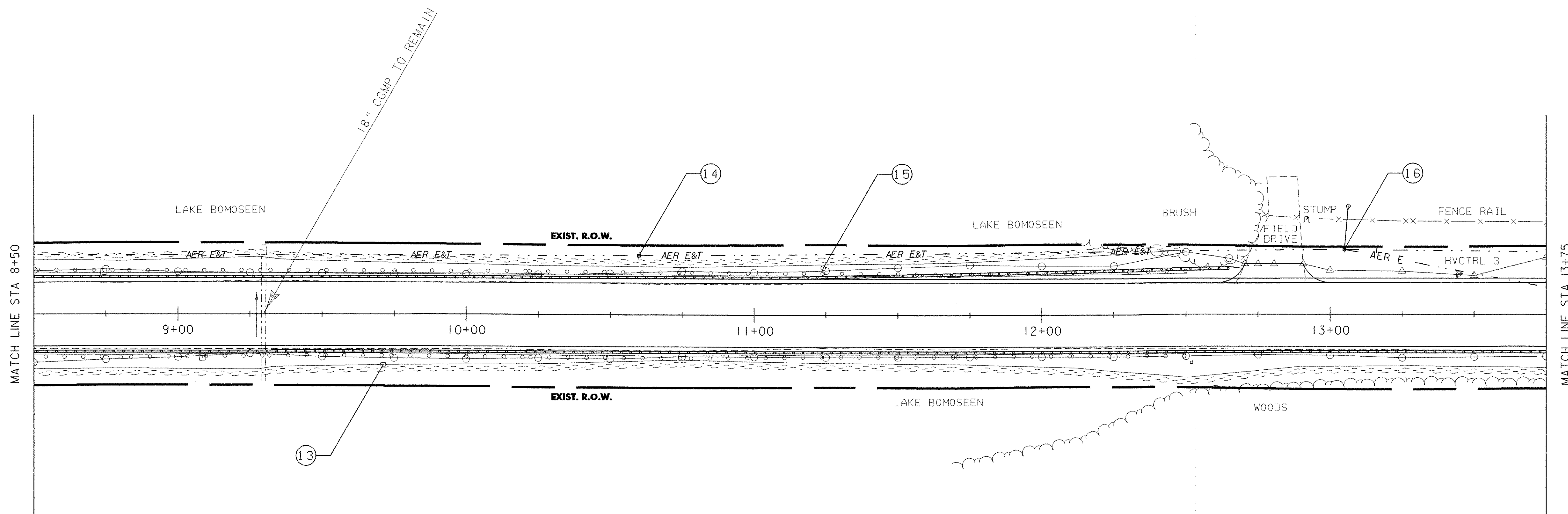
PROJECT NAME: HUBBARDTON
 PROJECT NUMBER: ST 016(23)
 FILE NAME: PW/03c044/Design/d03c044wrk
 PROJECT LEADER: K. UPMAL
 DESIGNED BY: J. DEVLIN
 PROFILE SHEET 1, STA 3+75 - 8+50
 PLOT DATE: 21-MAR-2006
 DRAWN BY: J. DEVLIN
 CHECKED BY: R. DELLASANTA
 SHEET 63 OF 92

REMOVAL AND DISPOSAL OF GUARDRAIL
 STA 8+50.0 - 12+50.5 LT
 STA 8+50.0 - 12+50.1 RT

BOX BEAM GUARDRAIL (MOD. - 7' POSTS & 3' POST SPACING)
 STA 8+50.0 - 12+15.9 LT
 STA 8+50.0 - 13+75.0 RT

MANUFACTURED TERMINAL SECTION (MOD.)
 STA 12+15.9 - 12+65.0 LT

CONSTRUCT DRIVEWAY PAVED APRON
 STA 12+80.5 LT



UTILITY NOTES

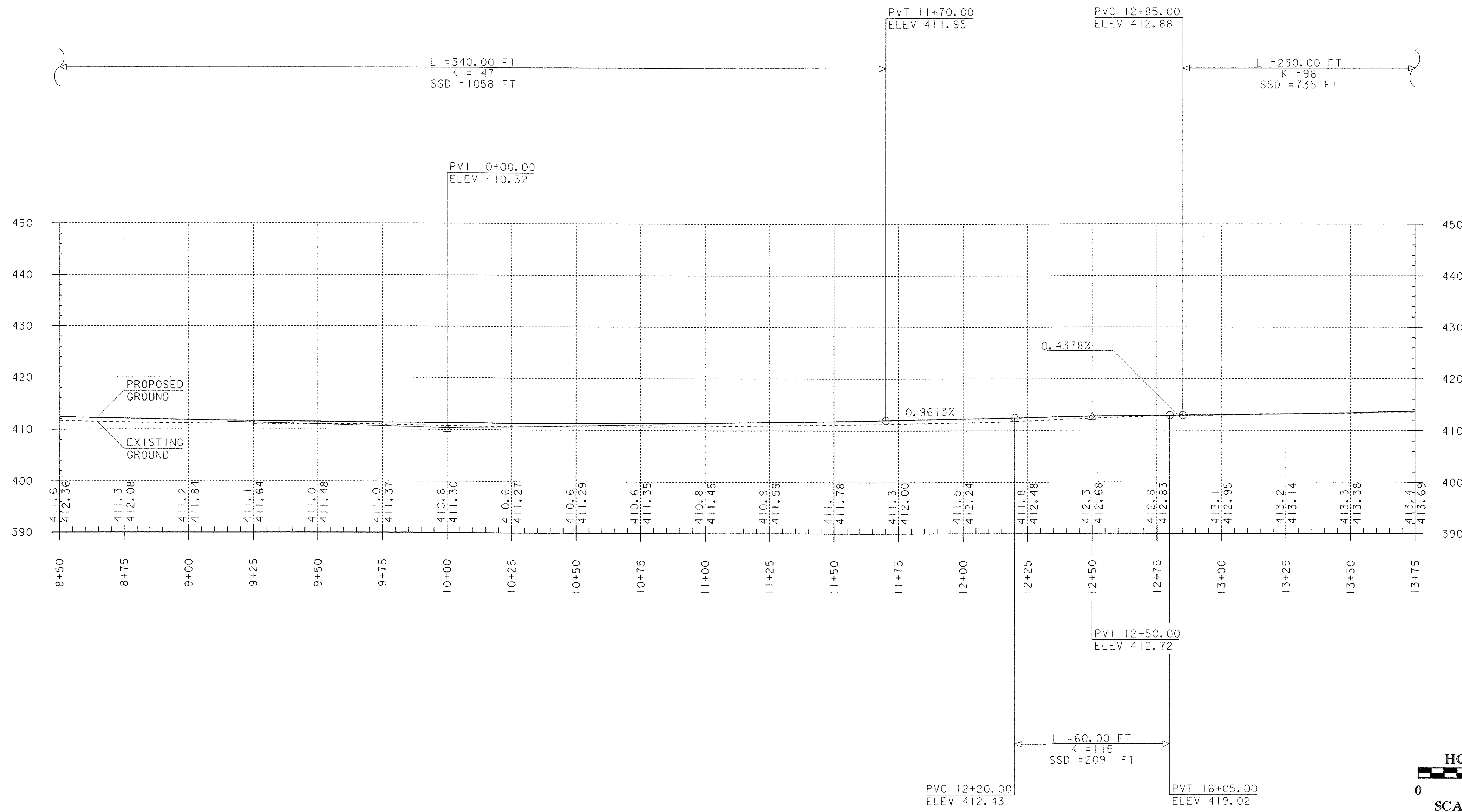
- ⑬ STA 9+71.00 RIGHT
 EXISTING ELECTRIC POLE 227
 TO BE REMOVED
- ⑭ STA 10+60.00 LEFT
 NEW COMBINATION POLE 227
- ⑮ STA 11+24.00 LEFT
 EXISTING TELEPHONE POLE 165C/195
 TO BE REMOVED
- ⑯ STA 13+05.00 LEFT
 NEW COMBINATION POLE 226
 NEW GUY WIRE
 RESUME ACTIVE UNDERGROUND UTILITIES

THE CONTRACTOR SHOULD BE AWARE THAT EXISTING ACTIVE BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS NORTH OF COMBINATION POLE 226. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO PERFORMING ANY OPERATION THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.



PROJECT NAME: HUBBARDTON
 PROJECT NUMBER: ST 0161(23)

FILE NAME: PW/03c044/Design/d03c044bdr PLOT DATE: 21-MAR-2006
 PROJECT LEADER: K. UPMAL DRAWN BY: J. DEVLIN
 DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
 PLAN SHEET 3, STA 8+50 - 13+75 SHEET 64 OF 92



DATUM
 VERTICAL NAVD 1988
 HORIZONTAL N/A

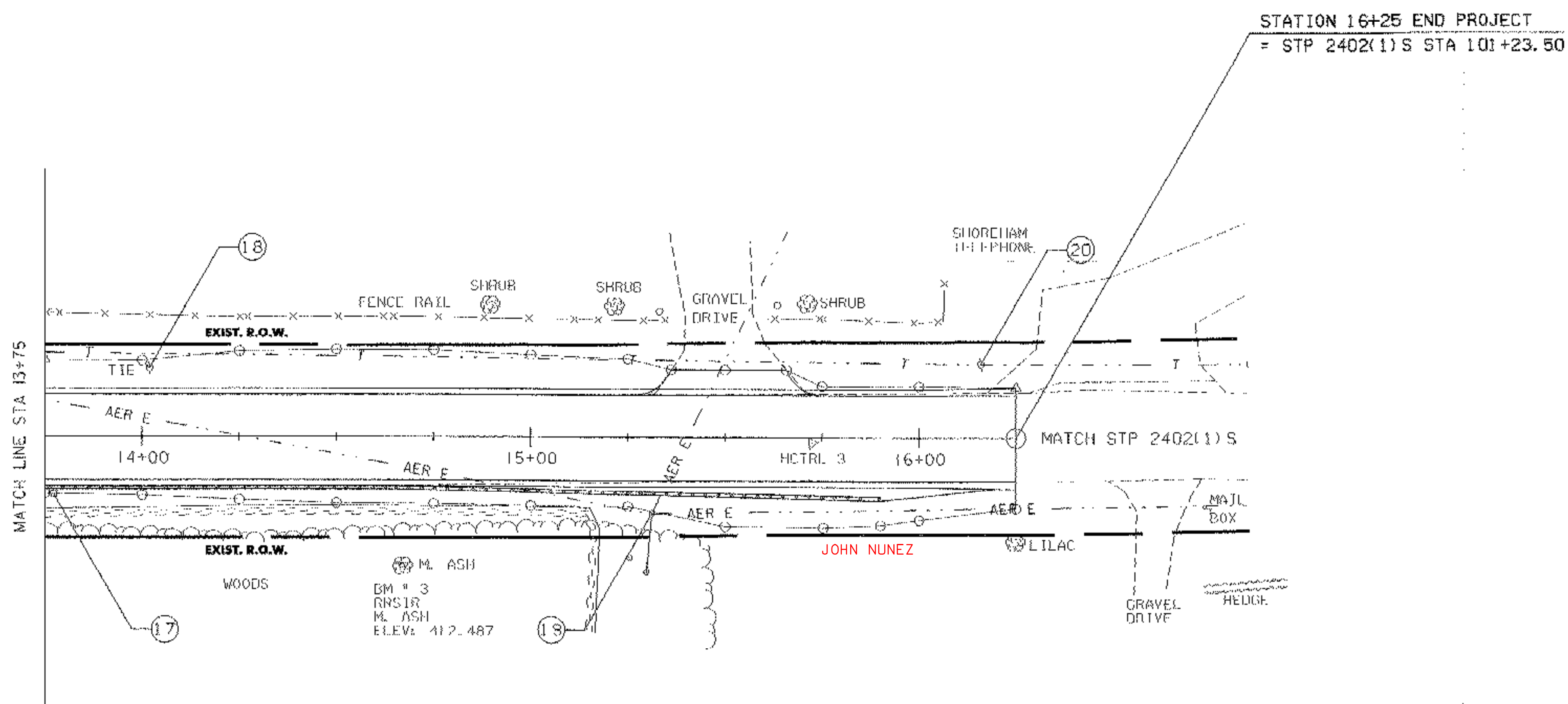
THE GRADES SHOWN TO THE NEAREST TENTH ARE THE OLD GROUND ALONG THE CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE PROPOSED FINISHED GRADE ALONG THE CENTERLINE.

PROJECT NAME: HUBBARDTON
 PROJECT NUMBER: ST 016(23)
 FILE NAME: PW\03c044\Design\d03c044wrk PLOT DATE: 21-MAR-2006
 PROJECT LEADER: K. UPMAL DRAWN BY: J. DEVLIN
 DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
 PROFILE SHEET 2, STA 8+50 - 13+75 SHEET 65 OF 92

MANUFACTURED TERMINAL SECTION (MOD.)
 STA 15+40.9 - 15+90.0 RT

CONSTRUCT DRIVEWAY APRON
 STA 15+50.0 LT

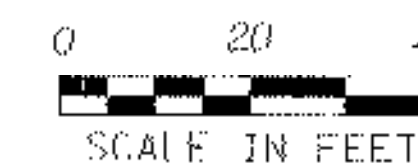
BOX BEAM GUARDRAIL (MOD. - 7' POSTS & 3' POST SPACING)
 STA 13+75.0 - 15+40.9 RT



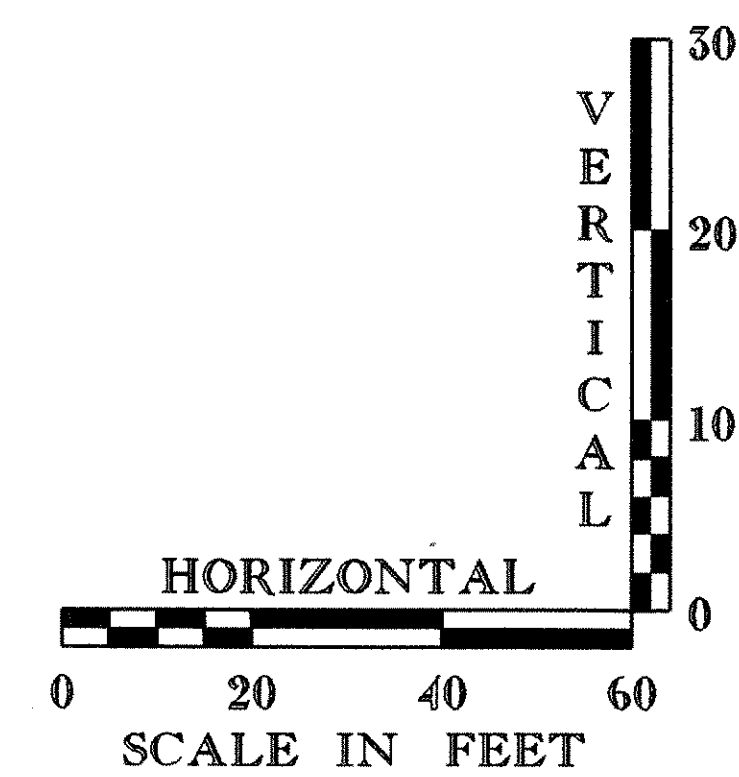
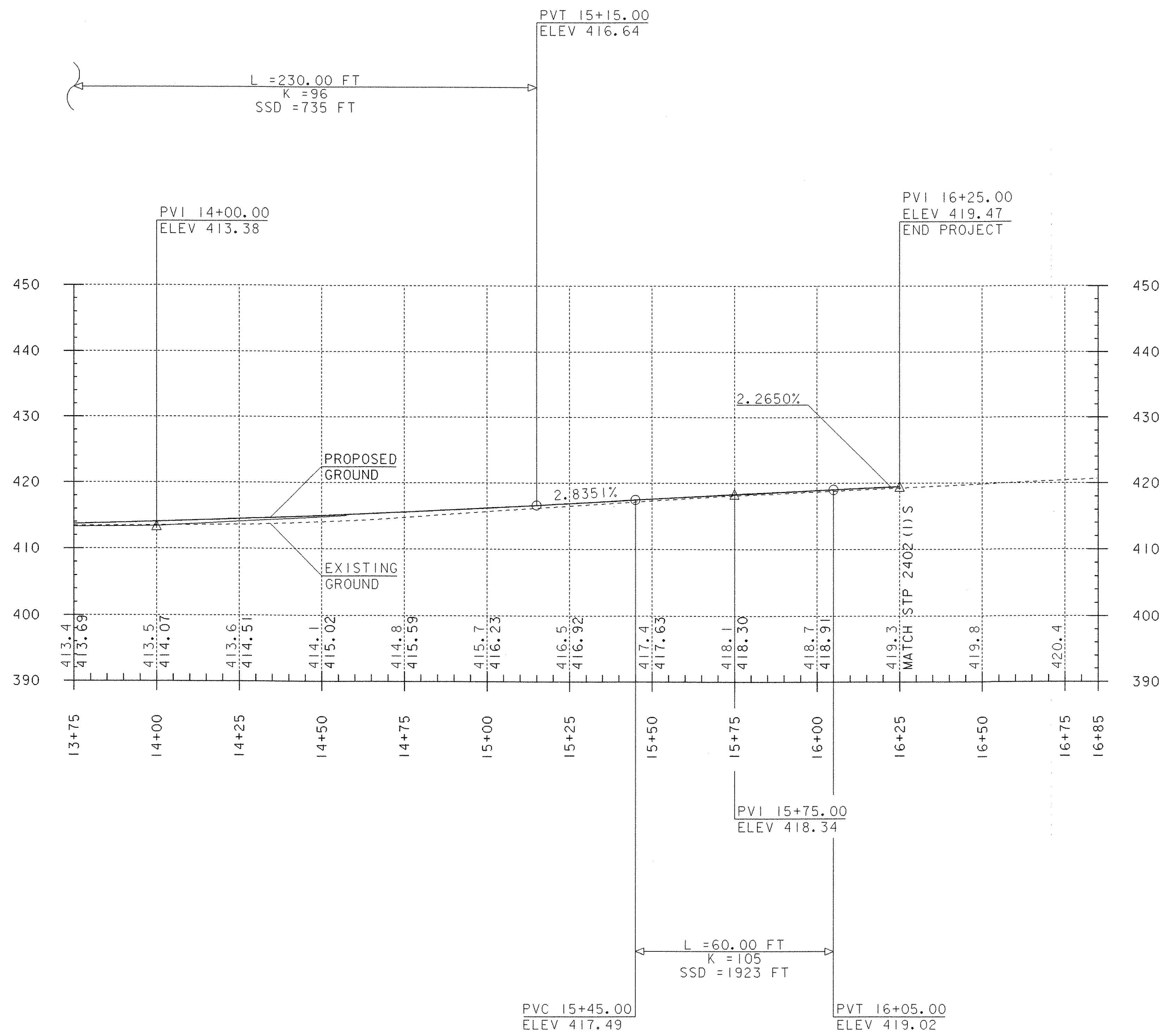
UTILITY NOTES

- ①7 STA 13+77.00 RIGHT
 EXISTING ELECTRIC POLE 226
 TO BE REMOVED
- ①8 STA 14+02.00 LEFT
 EXISTING TELEPHONE POLE 196
 TO BE REMOVED
- ①9 STA 15+31.00 RIGHT
 EXISTING ELECTRIC POLE 53 225 TO REMAIN
 EXISTING GUY WIRE TO BE REMOVED
 NEW GUY WIRE
- ②0 STA 16+16.00 LEFT
 EXISTING TELEPHONE POLE 2/8/4 TO REMAIN

THE CONTRACTOR SHOULD BE AWARE THAT EXISTING ACTIVE BURIED UTILITIES (SUCH AS PHONE CABLE, FIBER OPTIC CABLE, ETC.) ARE LOCATED ADJACENT TO VT. ROUTE 30 WITHIN THE PROJECT LIMITS NORTH OF COMBINATION POLE 226. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING "DIG SAFE" AT 1-888-344-7233 TO DETERMINE THE EXACT LOCATIONS OF THESE UTILITIES PRIOR TO PERFORMING ANY OPERATION THAT MAY DISTURB THE EXISTING SUBSURFACE CONDITIONS.



PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 0161(23)
FILE NAME: PW/03c044/Design/d03c044bdr	PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
PLAN SHEET 4, STA 13+75 - 16+85	SHEET 66 OF 92

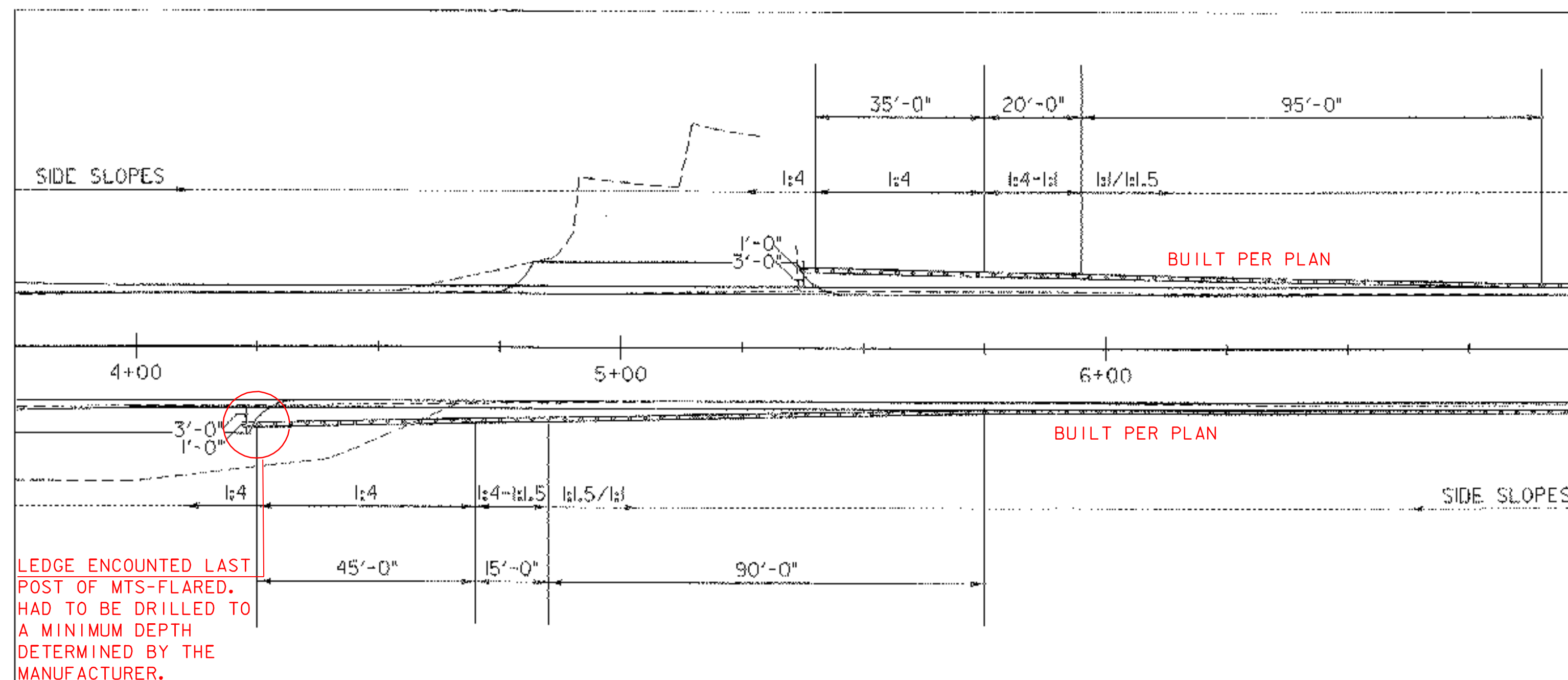


DATUM
 VERTICAL NAVD 1988
 HORIZONTAL N/A

THE GRADES SHOWN TO THE NEAREST TENTH ARE THE OLD GROUND ALONG THE CENTERLINE. THE GRADES SHOWN TO THE NEAREST HUNDRETH ARE THE PROPOSED FINISHED GRADE ALONG THE CENTERLINE.

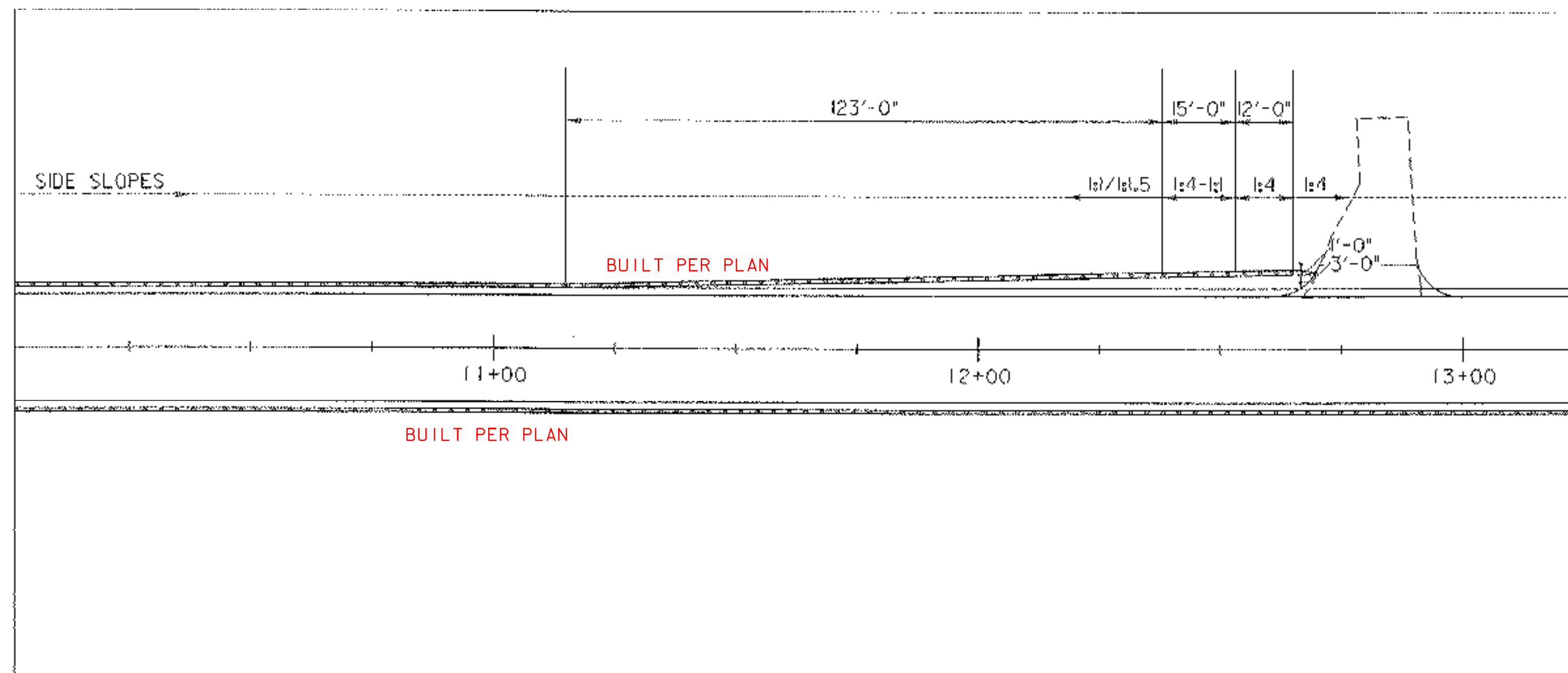
PROJECT NAME: HUBBARDTON
 PROJECT NUMBER: ST 016(23)
 FILE NAME: PW/03c044/Design/d03c044wrk PLOT DATE: 21-MAR-2006
 PROJECT LEADER: K. UPMAL DRAWN BY: J. DEVLIN
 DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
 PROFILE SHEET 3, STA 13+75 - 16+25 SHEET 67 OF 92

**VT ROUTE 30
GUARDRAIL DETAIL SHEET**



MANUFACTURED END TERMINAL (MOD) GRADING DETAIL

STA 4+25.0 - STA 4+74.1 RT
STA 5+40.0 - STA 5+89.1 LT



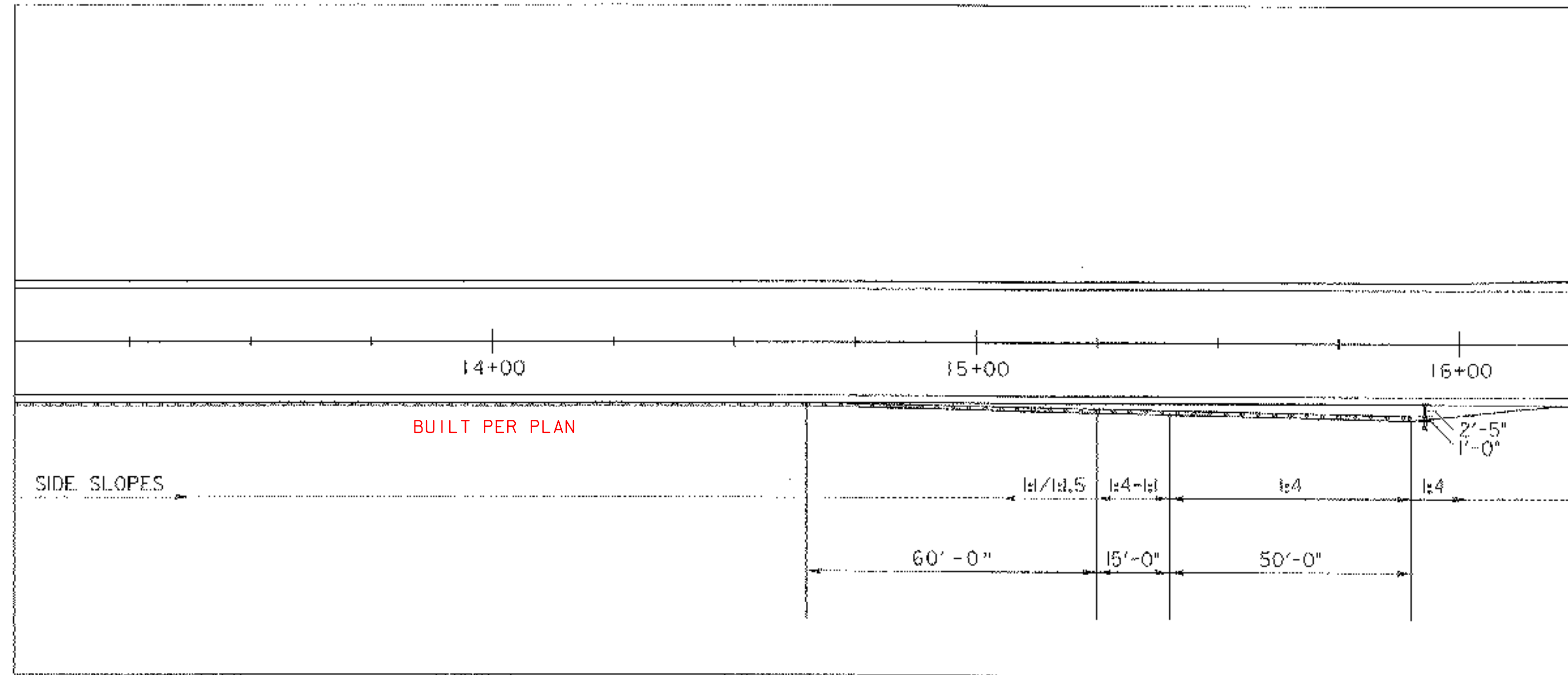
MANUFACTURED END TERMINAL (MOD) GRADING DETAIL

STA 12+15.9 - 12+65.0 LT

PROJECT NAME: HUBBARDTON
PROJECT NUMBER: ST 016(23)

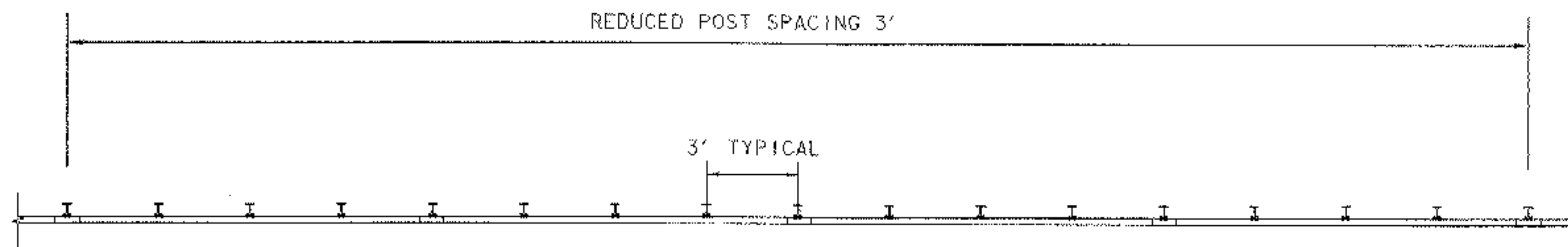
FILE NAME: PW/03c044/Design/d03c044typ PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. LIPMAL DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
GUARDRAIL DETAIL SHEET 1 SHEET 68 OF 92

**VT ROUTE 50
GUARDRAIL DETAIL SHEET**



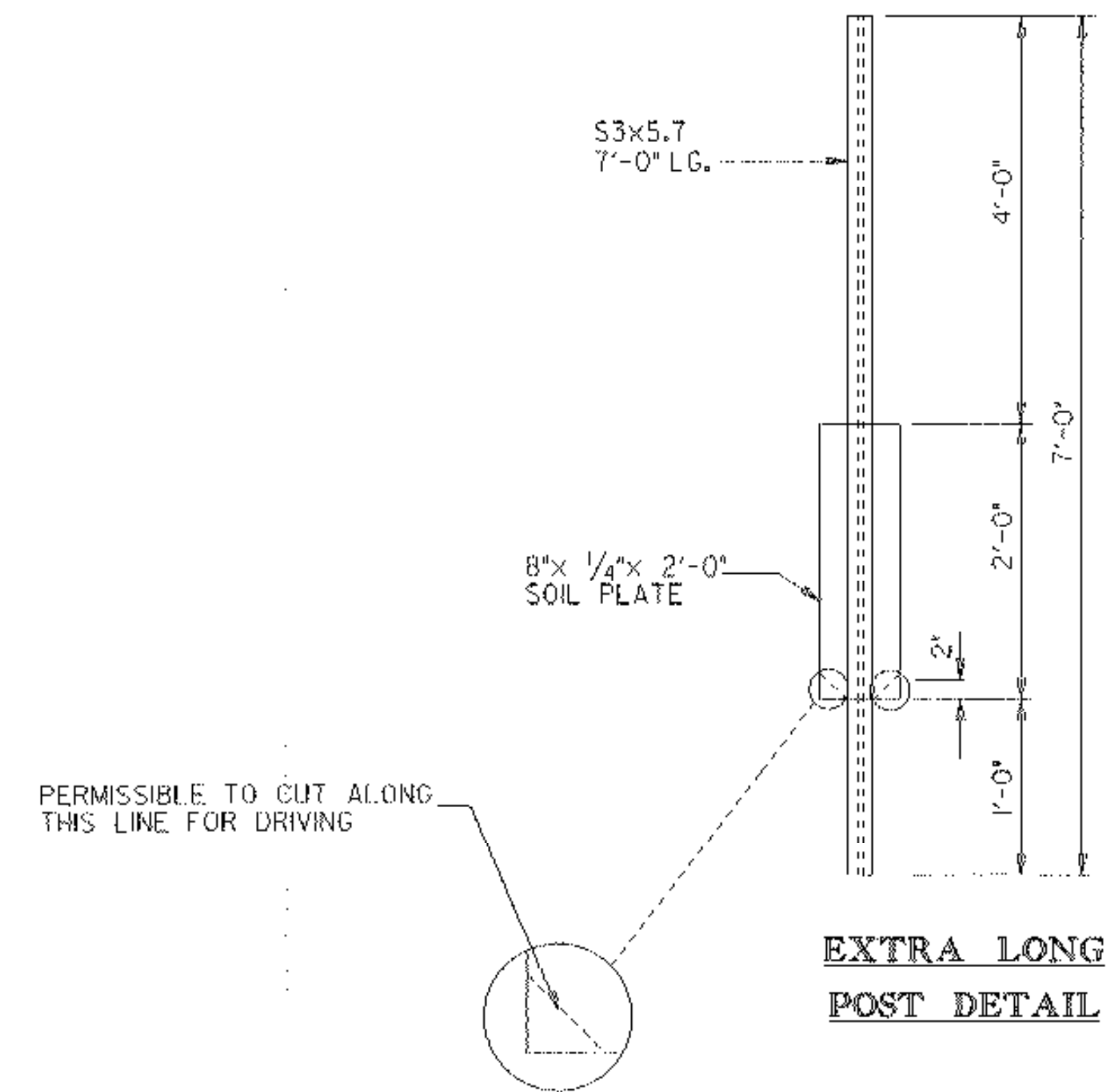
MANUFACTURED END TERMINAL (MOD) GRADING DETAIL

STA 15+40.9 - STA 15+90.0 RT



BOX BEAM GUARDRAIL (MOD) POST SPACING DETAIL

STA 4+74.1 - STA 15+40.9 RT
STA 5+89.1 - STA 12+15.9 LT



**EXTRA LONG
POST DETAIL**

NOTES

1. ALL BOX BEAM COMPONENTS, INCLUDING POSTS, HARDWARE, AND CONNECTIONS, SHALL CONFORM TO THE CURRENT SPECIFICATION FOR BOX BEAM GUARD RAIL. REFER TO STANDARD G-1B FOR DETAILS. BOX BEAM COMPONENTS, INCLUDING POSTS AND HARDWARE, SHALL BE GALVANIZED.
2. THREE FEET OF BACKING IS REQUIRED BEHIND THE FACE OF GUARDRAIL WITH 5'-3" POSTS. THIS CANNOT BE OBTAINED, THEREFORE 7 FOOT POSTS SHALL BE USED.

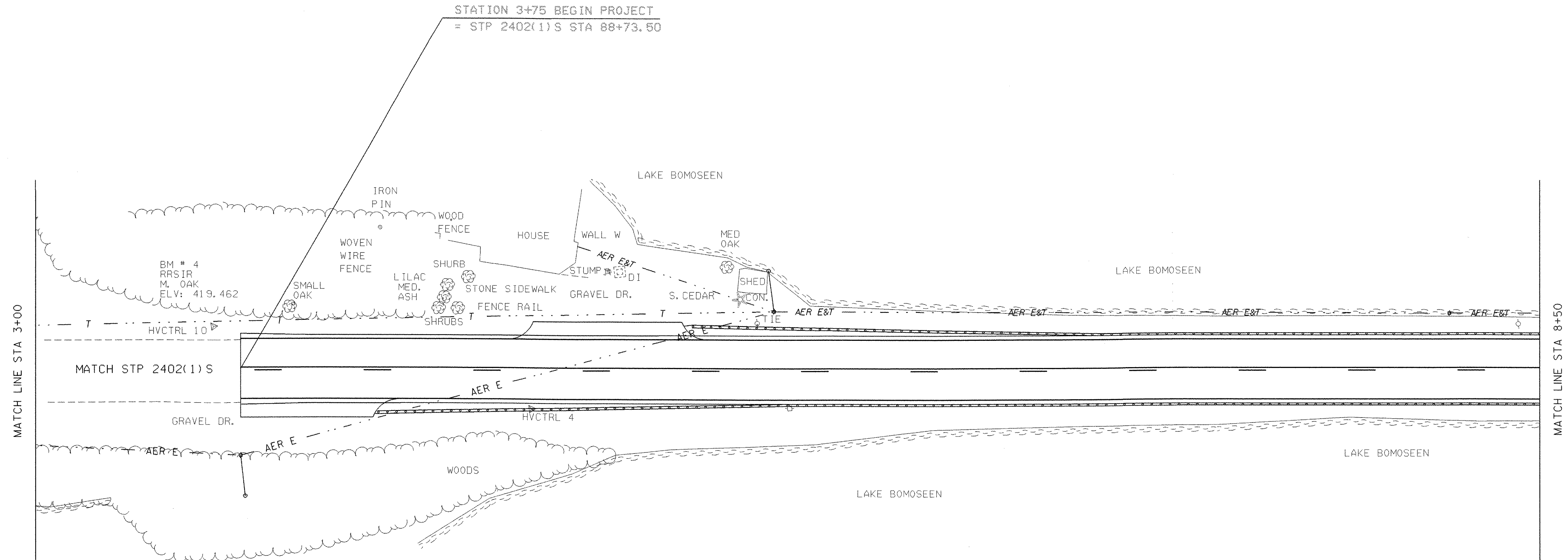
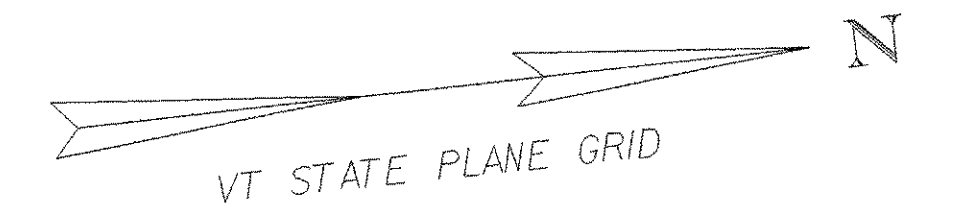
PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 016K23
FILE NAME:	PW/03c044/Design/d03c044typ
PROJECT LEADER:	K. UPMAIL
DESIGNED BY:	J. DEVLIN
GUARDRAIL DETAIL SHEET 2	
PLOT DATE:	21-MAR-2006
DRAWN BY:	J. DEVLIN
CHECKED BY:	R. DELLASANTA
SHEET	69 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 STA 3+75.0 - 8+50.0 LT & RT

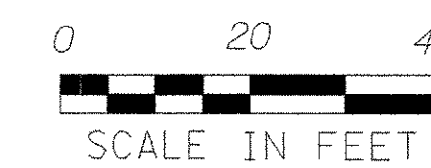
646.60 TEMPORARY 4" WHITE LINE (PAINT)
 STA 3+75.0 - 8+50.0 LT & RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 STA 3+75.0 - 8+50.0 LT (SOLID)
 STA 3+75.0 - 8+50.0 RT (DASHED)

646.41 TEMPORARY 4" YELLOW LINE (PAINT)
 STA 3+75.0 - 8+50.0 LT (SOLID)
 STA 3+75.0 - 8+50.0 RT (DASHED)



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



PROJECT NAME: HUBBARDTON	FILE NAME: /03c044/Design/d03c044tsbdr	PLOT DATE: 21-MAR-2006
PROJECT NUMBER: ST 016(23)	PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
	DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
	TRAFFIC SIGNS & LINES PLAN SHEET 1	SHEET 70 OF 92

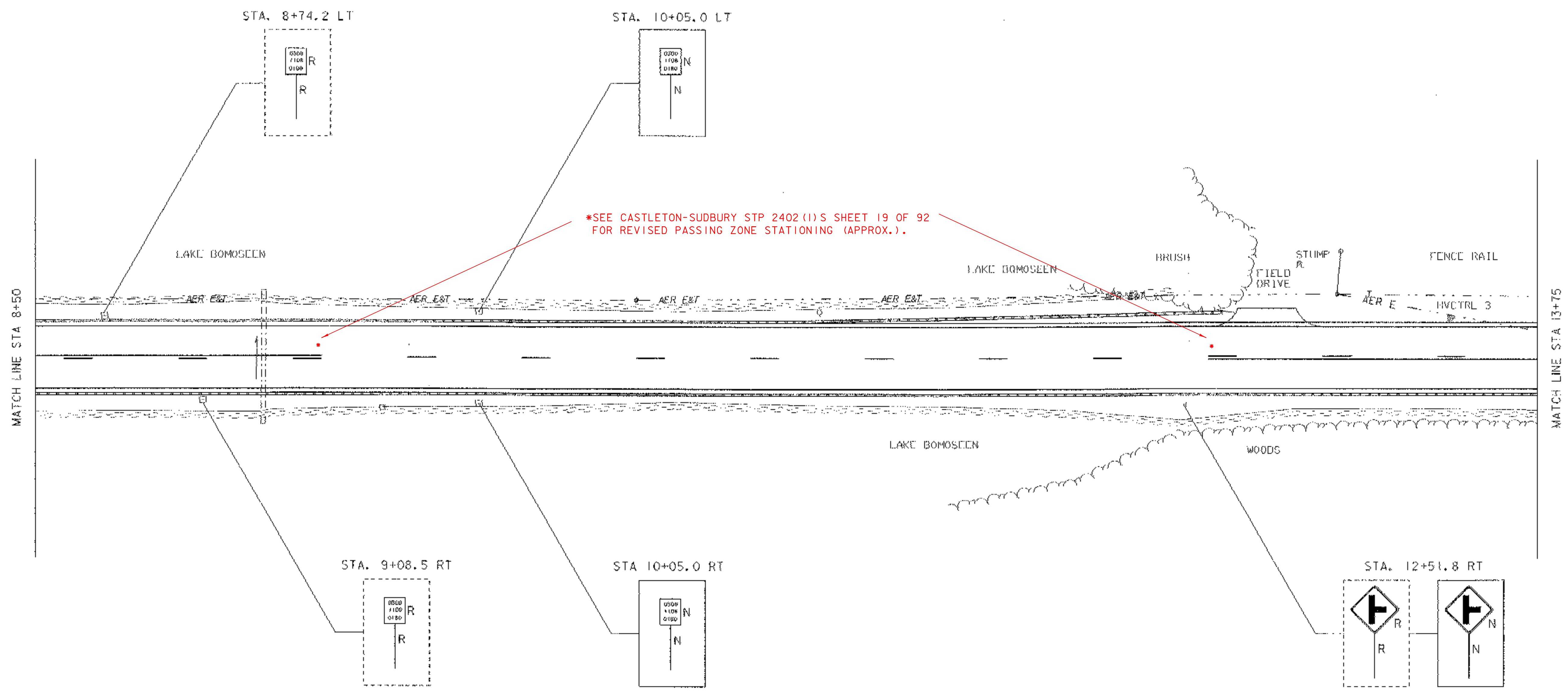
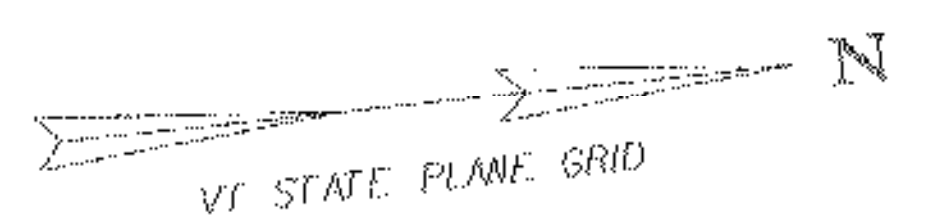
646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 STA 8+50.0 - 13+75.0 LT & RT

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 STA 8+50.0 - 13+75.0 LT & RT

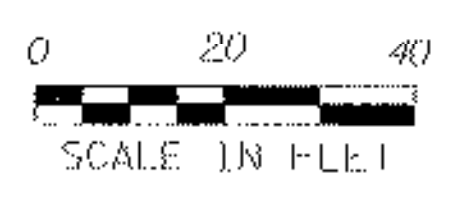
675.50 REMOVING SIGNS
 STA 8+74.2 LT
 STA 9+08.5 RT
 STA 12+51.8 RT

646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 STA 8+50.0 - 9+50.0 LT (SOLID)
 STA 8+50.0 - 9+50.0 RT (DASHED)
 STA 9+50.0 - 12+60.0 CL (DASHED)
 STA 12+60.0 - 13+75.0 LT (DASHED)
 STA 12+60.0 - 13+75.0 RT (SOLID)

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 STA 8+50.0 - 9+50.0 LT (SOLID)
 STA 8+50.0 - 9+50.0 RT (DASHED)
 STA 9+50.0 - 12+60.0 CL (DASHED)
 STA 12+60.0 - 13+75.0 LT (DASHED)
 STA 12+60.0 - 13+75.0 RT (SOLID)



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



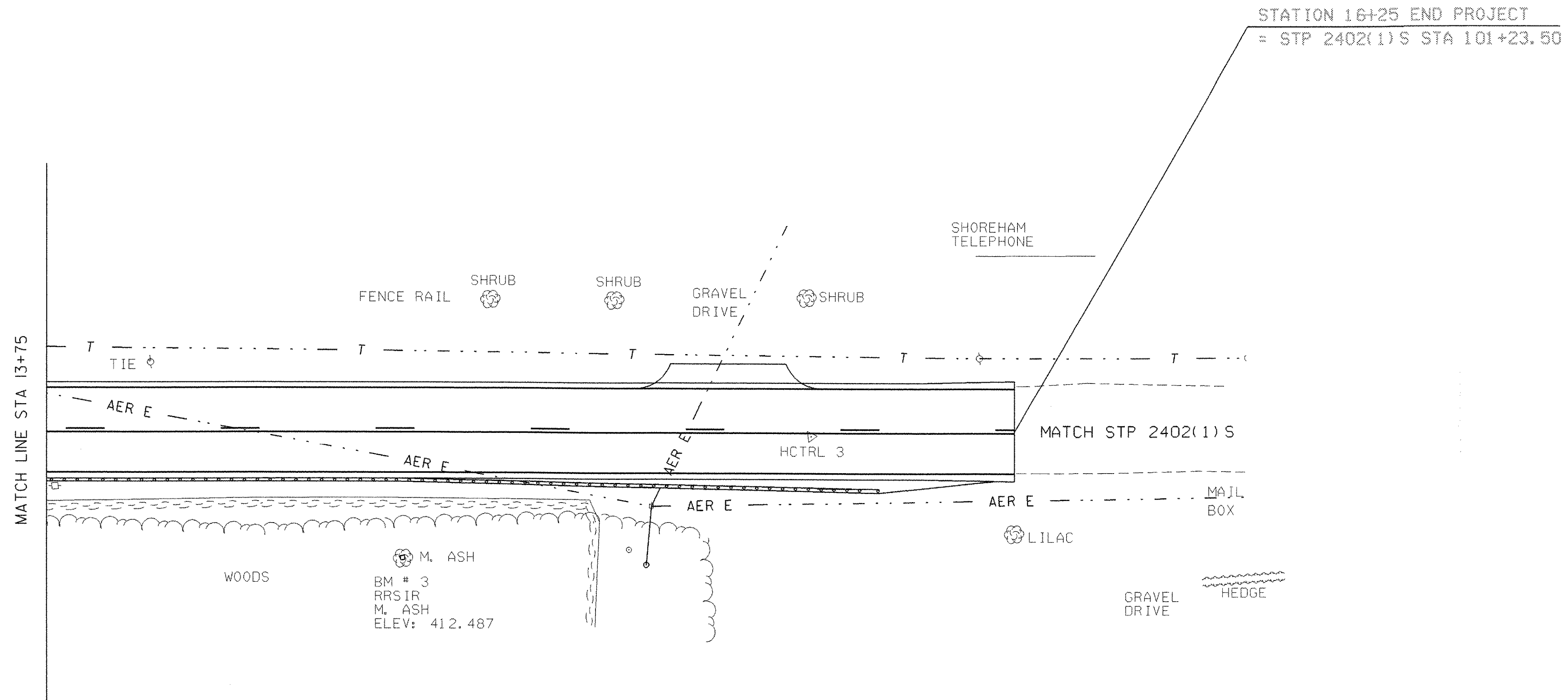
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PROJECT NUMBER: ST 016(K23)	
FILE NAME: /03c044/Design/d03c044t/sbdr	PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
TRAFFIC SIGNS & LINES PLAN SHEET 2	SHEET 11 OF 92

646.40 DURABLE 4" WHITE LINE (THERMOPLASTIC)
 STA 13+75.0 - 16+25.0 LT & RT

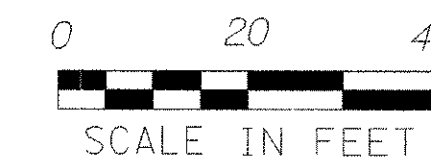
646.41 DURABLE 4" YELLOW LINE (THERMOPLASTIC)
 STA 13+75.0 - 16+25.0 LT (DASHED)
 STA 13+75.0 - 16+25.0 RT (SOLID)

646.60 TEMPORARY 4" WHITE LINE (PAINT)
 STA 13+75.0 - 16+25.0 LT & RT

646.61 TEMPORARY 4" YELLOW LINE (PAINT)
 STA 13+75.0 - 16+25.0 LT (DASHED)
 STA 13+75.0 - 16+25.0 RT (SOLID)



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



PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 016(23)
FILE NAME: /03c044/Design/d03c044tsbdr	PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
TRAFFIC SIGNS & LINES PLAN SHEET 3	SHEET 72 OF 92

EROSION PREVENTION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION:

THE HUBBARDTON VT 30 PROJECT BEGINS AT A POINT APPROXIMATELY 1.6806 MILES NORTH OF THE CASTLETON/HUBBARDTON TOWN LINE AT MILE MARKER 1.6806 AND EXTENDING NORTHERLY .2367 MILES TO MILE MARKER 1.9173.

THE PROJECT SHALL CONSIST OF COLD PLANING, A SHIM/LEVELING COURSE OF CRUSHED GRAVEL (FINE GRADED), RECLAIMING OF BOTH THE CRUSHED GRAVEL AND EXISTING SUBBASE MATERIAL, FINE GRADING OF THE SUBGRADE, PAVING, AND NEW GUARDRAIL. ALL EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL. TOPSOIL, SEED, AND MULCH SHALL BE APPLIED TO ALL SIDE SLOPES.

THE PROJECT SHALL RAISE THE GRADE OF THE ROADWAY APPROXIMATELY 8" FROM THE EXISTING ROAD'S LOWEST ELEVATION. A UNIFORM CROSS-SECTION SHALL BE CREATED AND MAINTAINED ALONG THE LENGTH OF THE PROJECT. THE CROSS-SECTIONAL WIDTH (EDGE-OF-PAVEMENT TO EDGE-OF-PAVEMENT) WILL BE INCREASED APPROXIMATELY 2' +/- FROM EXISTING CONDITIONS. THE TOTAL AREA OF DISTURBANCE IS APPROXIMATELY .94 ACRES.

SITE INVENTORY AND ANALYSIS:

BODIES OF WATER & ON-SITE/OFF-SITE DRAINAGE CHARACTERISTICS:

THE HUBBARDTON VT 30 PROJECT IS LOCATED WITHIN THE NORTHERN END OF THE LAKE BOMOSEEN WETLAND COMPLEX. THE PROJECT LIMITS ARE IMMEDIATELY BORDERED BY THE CLASS I WETLAND COMPLEX ON THE EAST AND WEST. AN 18" CGMP CURRENTLY PROVIDES HYDRAULIC CONNECTIVITY ACROSS THE ROADWAY WIDTH. THERE ARE NO RIVERS OR STREAMS THAT INTERSECT THE ROADWAY.

THE PROJECT IS LOCATED IN A RURAL AREA. OFF-SITE RUNOFF IS COMPRISED OF SMALL PORTIONS OF THE EXSISTING ROADWAY, PRIOR TO BOTH THE BEGIN AND END PROJECT STATIONS. THE WOODED HIGHER ELEVATIONS TO THE WEST AND EAST DRAIN TO LAKE BOMOSSEN AND THE WETLAND, RESPECTIVELY.

THE ON-SITE RUNOFF WILL CONSIST OF RUNOFF PRODUCED BY THE PAVEMENT STRUCTURE. THIS RUNOFF WILL BE ALLOWED TO SHEET-FLOW OVER THE SIDE SLOPES AND WILL BE COLLECTED IN THE WETLAND. THERE ARE NO EXISTING OR PROPOSED DRAINAGE CHANNELS LOCATED WITHIN THE PROJECT LIMITS.

VEGETATION:

THIS PROJECT WILL RESULT IN MINIMAL VEGETATION IMPACTS. THE PROPOSED EDGES OF PAVEMENT SHALL BE BACKED UP TO FULL HEIGHT WITH AGGREGATE SHOULDER MATERIAL. THIS WORK WILL IMPACT THE VEGETATION LOCATED BETWEEN THE SHOULDER BREAKPOINT AND WETLAND BOUNDARIES. THIS AREA INCLUDES GRASSES, PURPLE VETCH, WILD PARSNIPS, HONEYSUCKLE, VIRGINIA CREEPER, AND GRAPE VINES. THE DISTURBED AREA WILL RECEIVE TOPSOIL, A RURAL SEED MIXTURE, AND MULCH.

SOIL:

THERE ARE A WIDE RANGE OF SOILS LOCATED WITHIN THE SITE LIMITS. MUCH OF THE EMBANKMENT AND DIRECTLY BELOW THE PAVEMENT STRUCTURE IS GRAVELLY MATERIAL FROM PREVIOUS CONSTRUCTION PROJECTS. WET ORGANIC AND CLAY SOILS ARE ALSO FOUND WITHIN THE SITE LIMITS.

SENSITIVE RESOURCE AREAS:

THIS PROJECT IS LOCATED WITHIN A CLASS I WETLAND COMPLEX. EXTREME CARE SHOULD BE EXERCISED IN ORDER TO PREVENT THE DISCHARGE OF SEDIMENT AND OTHER CONSTRUCTION RELATED POLLUTANTS TO THESE WATERS.

TEMPORARY EROSION PREVENTION & SEDIMENT CONTROL:

TEMPORARY EROSION PREVENTION MEASURES TO BE UTILIZED INCLUDE:

"PROJECT DEMARCATION FENCING," DENOTED -PDF- ON THE PLANS, TO DELINEATE THE LIMITS THE CONTRACTOR CAN ACCESS WITH CONSTRUCTION EQUIPMENT. THIS MEASURE LIMITS THE AREA THAT CAN BE DISTURBED AND EXPOSED TO EROSION, AND IS LOCATED NEAR THE TOE OF SLOPES (PROJECT LIMITS).

SEEDING AND MULCHING WILL BE THE PRIMARY METHOD OF SLOPE STABILIZATION ON THIS PROJECT. ALL SLOPES SHALL BE STABILIZED WITHIN 48 HOURS OF REACHING FINAL GRADE OR DURING INTERMITTENT PHASES OF CONSTRUCTION ACTIVITY.

TEMPORARY MEASURES TO CONTROL SEDIMENT TRANSPORT INCLUDE:

SEDIMENT LOGS WILL BE INSTALLED NEAR THE TOE OF SLOPES TO PREVENT SEDIMENT TRANSPORT INTO THE WETLAND. EACH LINE OF SEDIMENT LOGS WILL BE PLACED ALONG THE CONTOUR WITH EACH END TURNED SLIGHTLY UPHILL TO CREATE A PONDING EFFECT SHOULD WATER RUN ALONG THE CONTROL MEASURE. MULTIPLE SEDIMENT LOGS SHALL BE OVERLAPPED RATHER THAN ABUTTING END TO END. SEDIMENT LOGS SHALL BE INSTALLED PRIOR TO ANY UPSLOPE EARTHWORK. SEDIMENT LOGS SHALL BE CHECKED REGULARLY FOR ACCUMULATION OF SEDIMENT. SEDIMENT BUILD-UP SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT REACHES ONE-HALF THE HEIGHT OF THE CONTROL MEASURE. SEDIMENT SHALL BE DISPOSED OF IN AN AREA SUCH THAT THEY WILL NOT BE SUBJECT TO EROSION.

PERMANENT EROSION CONTROL MEASURES:

THE FOLLOWING PERMANENT EROSION CONTROL MEASURES WILL BE UTILIZED:

PERMANENT STABILIZATION AND FINAL LAND TREATMENT WILL CONSIST OF PAVEMENT ON THE ROADWAY AND ESTABLISHED VEGETATION ON THE SIDE SLOPES.

GENERAL EROSION & SEDIMENT CONTROL GUIDELINES:

THE EROSION CONTROL PLANS ARE MEANT AS A GUIDELINE FOR PREVENTING EROSION AND CONTROLLING SEDIMENT TRANSPORT. THE WORK OUTLINED IN THIS NARRATIVE CONSISTS OF APPLYING MEASURES THROUGHOUT THE LIFE OF THE PROJECT TO CONTROL EROSION AND MINIMIZE THE SEDIMENT TO RECEIVING BODIES OF WATER. THE MEASURES INCLUDE STABILIZATION AND STRUCTURAL PRACTICES, STORM WATER CONTROLS AND OTHER POLLUTION PREVENTION CONTROLS.

COORDINATE THE INSTALLATION, USE, AND REMOVAL OF EROSION AND SEDIMENT CONTROL MEASURES WITH CONSTRUCTION ACTIVITIES TO ENSURE ECONOMICAL, EFFECTIVE AND CONTINUOUS EROSION AND SEDIMENT CONTROL. EMPLOY TEMPORARY STABILIZATION PRACTICES IN INCREMENTAL STAGES AS CONSTRUCTION PROCEEDS. THE CONTRACTOR WILL USE ADDITIONAL EROSION CONTROL MEASURES AS NECESSITATED BY THE SEQUENCE OF CONSTRUCTION AND AS DIRECTED BY THE RESIDENT ENGINEER. SEE SECTION 105.23 OF THE VERMONT AOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2001.

ANY CHANGES TO EROSION CONTROL MEASURES SHALL BE NOTED ON THE PLANS, IN THE WEEKLY INSPECTION REPORT, AND REPORTED TO THE APPROPRIATE AUTHORITY IN A TIMELY MANNER. ALL CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND FOLLOWING EACH RAINFALL EVENT. REPAIR MEASURES SHALL BE APPLIED AS NECESSARY.

PREVENTING INITIAL SOIL EROSION IS MUCH MORE EFFECTIVE THAN TREATING ERODED SEDIMENT. THEREFORE, STABILIZE ALL DISTURBED AREAS PROMPTLY AFTER CONSTRUCTION ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED. TEMPORARY VEGETATION SHALL BE ESTABLISHED IF THE AREA IS TO BE WITHOUT CONSTRUCTION ACTIVITY FOR A PERIOD OF FOURTEEN DAYS. PERIMETER CONTROL MEASURES SHALL BE INSTALLED FOLLOWING CLEARING, BUT PRIOR TO THE START OF ANY GRUBBING OR GRADING ACTIVITY. TEMPORARY CONTROLS SHALL BE INSTALLED IN INCREMENTAL STAGES AS CONSTRUCTION PROCEEDS.

MAINTAINING VEGETATED BUFFERS ALONG STREAM BANKS, WETLANDS OR OTHER SENSITIVE AREAS IS A CRUCIAL EROSION AND SEDIMENT CONTROL MEASURE THAT SHOULD BE ESTABLISHED WHEREVER POSSIBLE.

DO NOT ALLOW CONSTRUCTION EQUIPMENT TO OPERATE ON THE DOWN SLOPE SIDE OF PERIMETER CONTROL MEASURES.

PROJECT NAME: HUBBARDTON
PROJECT NUMBER: ST 0161(23)

FILE NAME: /03c044/Design/d03c044erod PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
EPSC NARRATIVE SHEET 74 OF 92

MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG)

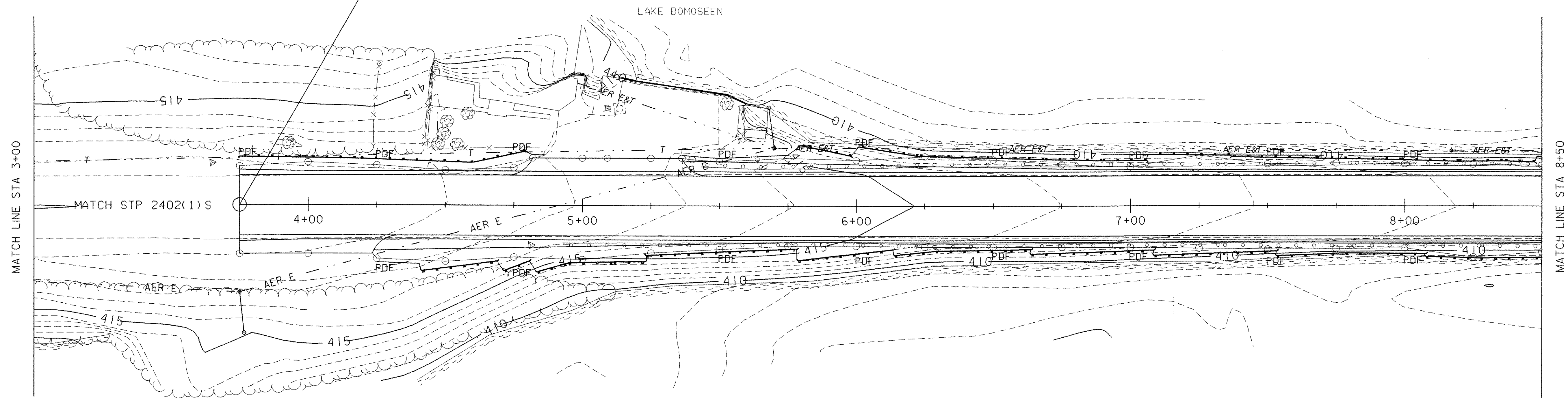
STA 3+75.3 - STA 4+79.2 LT
 STA 4+41.8 - STA 4+68.9 RT
 STA 4+71.8 - STA 4+80.7 RT
 STA 4+83.8 - STA 5+22.7 RT
 STA 5+23.5 - STA 5+78.2 RT
 STA 5+79.0 - STA 6+13.3 RT
 STA 5+79.8 - STA 5+97.9 LT
 STA 6+01.2 - STA 7+05.7 LT
 STA 6+14.3 - STA 6+63.8 RT
 STA 6+64.1 - STA 7+08.5 RT
 STA 7+06.8 - STA 8+47.4 LT
 STA 7+08.9 - STA 7+53.3 RT
 STA 7+53.6 - STA 8+07.6 RT
 STA 8+08.0 - STA 8+50.0 RT
 STA 8+48.8 - STA 8+50.0 LT

SNOW FENCE (MOD. - PDF)

STA 3+75.0 - STA 4+79.2 LT
 STA 3+75.0 - STA 8+50.0 RT
 STA 5+36.3 - STA 8+50.0 LT



STATION 3+75 BEGIN PROJECT
 = STP 2402(1) S STA 88+73.50



LEGEND

- PERMANENT SLOPE LIMITS
- MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG) + SNOW FENCE (MOD. - PDF)
- SNOW FENCE (MOD. - PDF)



PROJECT NAME: HUBBARDTON
 PROJECT NUMBER: ST 016(23)

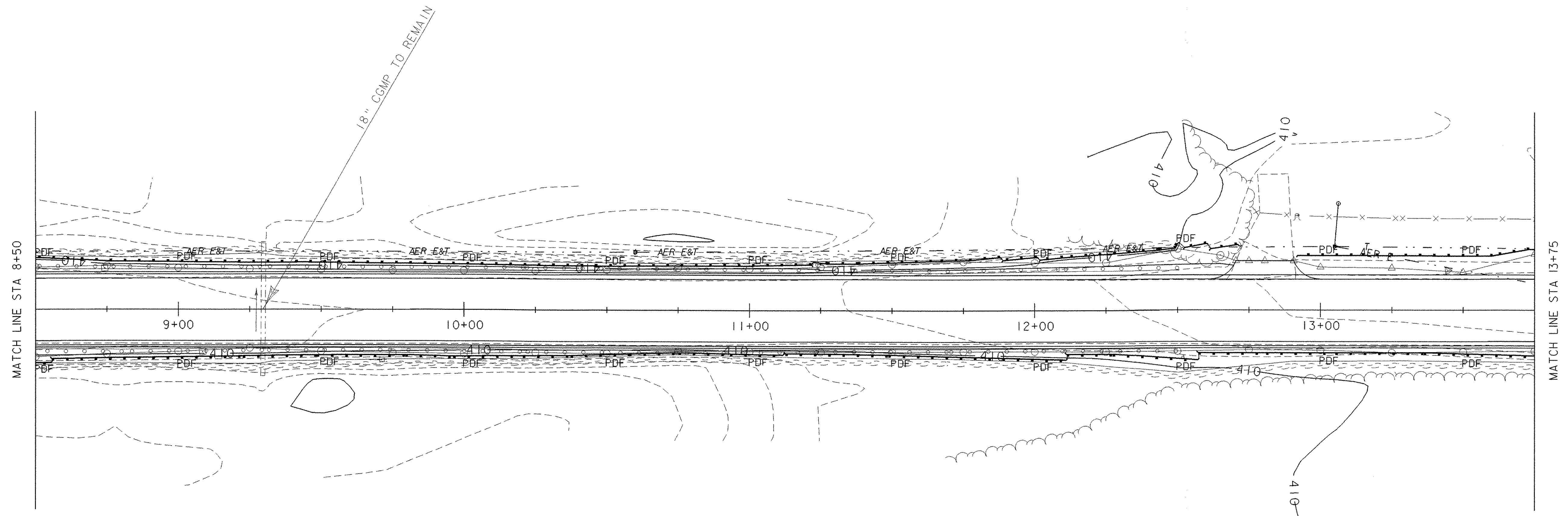
FILE NAME: /03c044/Design/d03c044erobdr PLOT DATE: 21-MAR-2006
 PROJECT LEADER: K. UPMAL DRAWN BY: J. DEVLIN
 DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
 EPSC PLAN SHEET 1 SHEET 75 OF 92

MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG)

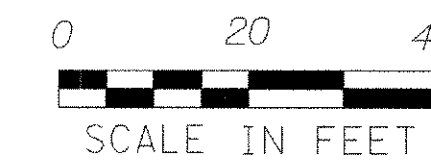
STA 8+50.0 - STA 11+21.6 LT
 STA 8+50.0 - STA 8+55.3 RT
 STA 8+55.9 - STA 11+11.4 RT
 STA 11+12.8 - STA 12+10.8 RT
 STA 11+22.8 - STA 11+87.7 LT
 STA 11+89.2 - STA 12+00.6 LT
 STA 12+02.2 - STA 12+49.9 LT
 STA 12+11.4 - STA 12+56.8 RT
 STA 12+52.7 - STA 12+59.9 LT
 STA 12+57.4 - STA 13+75.0 RT
 STA 12+61.8 - STA 12+70.6 LT
 STA 12+92.4 - STA 13+75.0 LT

SNOW FENCE (MOD. - PDF)

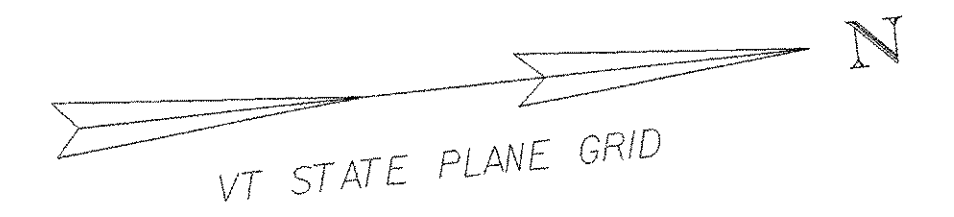
STA 8+50.0 - STA 12+70.6 LT
 STA 8+50.0 - STA 13+75.0 RT
 STA 12+92.4 - STA 13+75.0 LT



LEGEND	
	PERMANENT SLOPE LIMITS
	MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG) + SNOW FENCE (MOD. - PDF)
	SNOW FENCE (MOD. - PDF)



PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 016I(23)
FILE NAME:	/03c044/Design/d03c044erobdr
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	J. DEVLIN
EPSC PLAN SHEET	2
PLOT DATE:	21-MAR-2006
DRAWN BY:	J. DEVLIN
CHECKED BY:	R. DELLASANTA
SHEET	76 OF 92

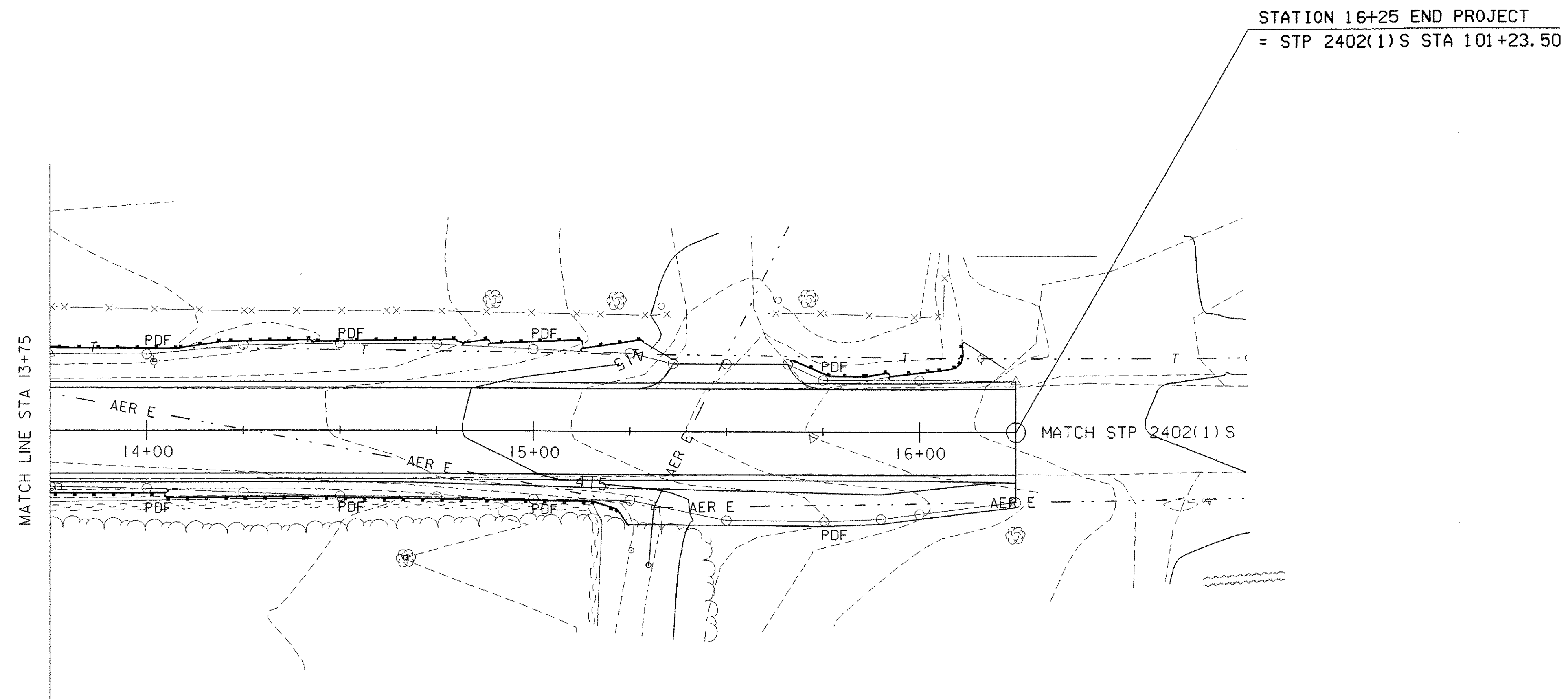


MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG)

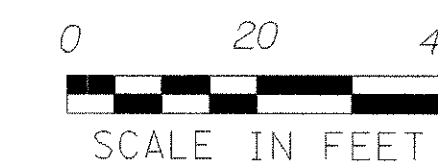
STA 13+75.0 - STA 14+42.1 LT
 STA 13+75.0 - STA 14+04.8 RT
 STA 14+05.3 - STA 14+65.0 RT
 STA 14+43.6 - STA 14+79.6 LT
 STA 14+66.1 - STA 14+85.9 RT
 STA 14+82.3 - STA 14+87.9 LT
 STA 14+87.8 - STA 15+24.3 RT
 STA 14+89.0 - STA 15+12.1 LT
 STA 15+12.9 - STA 15+27.6 LT
 STA 15+67.4 - STA 15+91.4 LT
 STA 15+92.6 - STA 16+11.1 LT

SNOW FENCE (MOD. - PDF)

STA 13+75.0 - STA 15+27.6 LT
 STA 13+75.0 - STA 16+25.0 RT
 STA 15+67.4 - STA 16+25.0 LT



LEGEND	
	PERMANENT SLOPE LIMITS
	MISCELLANEOUS FENCE (MOD. - SEDIMENT LOG) + SNOW FENCE (MOD. - PDF)
	SNOW FENCE (MOD. - PDF)



PROJECT NAME: HUBBARDTON	FILE NAME: /03c044/Design/d03c044erobdr	PL0T DATE: 21-MAR-2006
PROJECT NUMBER: ST 016(23)	PROJECT LEADER: K. UPMAL	DRAWN BY: J. DEVLIN
	DESIGNED BY: J. DEVLIN	CHECKED BY: R. DELLASANTA
	EPSC PLAN SHEET 3	SHEET 77 OF 92

EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES

1. CONTRACTOR'S RESPONSIBILITIES FOR EROSION PREVENTION AND SEDIMENT CONTROL

- A. PREVENT OR MINIMIZE EROSION OF DISTURBED LAND AND PREVENT THE DISCHARGE OF SEDIMENT AND OTHER CONSTRUCTION RELATED POLLUTANTS TO WATERS OF THE STATE.
- B. FURNISH, INSTALL, INSPECT AND MAINTAIN EROSION AND SEDIMENT CONTROL MATERIALS IN CONJUNCTION WITH THE GENERAL CLEARING, GRADING AND EXCAVATION OF THE SITE.
- C. ESTABLISH LIMITS OF SOIL DISTURBANCE; LOCATION(S) OF TOPSOIL STOCKPILES; CONSTRUCTION STAGING AREAS; STORAGE AREAS; REFUELING AND MAINTENANCE AREAS.
- D. LOCATE AND MARK BOUNDARIES FOR ANY UNDISTURBED RIPARIAN BUFFER ZONES AND MAINTAIN ALL EXISTING STREAMS AND RIPARIAN BUFFER ZONES IN THEIR NATURAL CONDITION.
- E. LOCATE SITES TO BE USED FOR WASTE, BORROW, STAGING, OR STOCKPILING AND OBTAIN THE NECESSARY APPROVALS FOR EACH SITE THROUGH THE VTRANS ENVIRONMENTAL SECTION. A SEPARATE EROSION PREVENTION AND SEDIMENT CONTROL PLAN MUST BE SUBMITTED FOR APPROVAL PRIOR TO USE OF EACH SITE.
- F. SEQUENCE CONSTRUCTION ACTIVITIES TO MINIMIZE THE EXTENT OF DISTURBED SOILS LEFT OPEN TO EROSION AT ANY GIVEN TIME AS DETAILED IN THE CONSTRUCTION PHASING AND EROSION PREVENTION AND SEDIMENT CONTROL PLANS.
- G. AVOID ALL LAND DISTURBANCES WITHIN 50 FEET OF ALL WATER BODIES, MEASURED FROM THE TOP OF BANK, AND WETLANDS, EXCEPT WHERE NECESSARY FOR THE RECONSTRUCTION OF EXISTING ROADS AND THE CONSTRUCTION OF BRIDGES, STREAM CROSSINGS, AND COMPONENTS OF STORMWATER MANAGEMENT SYSTEMS WHICH BY NECESSITY MUST BE LOCATED IN THIS ZONE.
- H. MAINTAIN AND PRESERVE TO THE EXTENT POSSIBLE THE SITE'S NATURAL DRAINAGE WAYS THAT CONVEY STORMWATER TO STREAMS, RIVERS, LAKES, PONDS AND WETLANDS.
- I. PREVENT OFF-SITE STORMWATER FROM ENTERING AREAS OF DISTURBED SOIL ON-SITE.
- J. PREVENT THE OFF-SITE DISCHARGE OF SEDIMENT MOBILIZED ON THE CONSTRUCTION SITE, INCLUDING OFF-SITE TRACKING OF SEDIMENT ONTO PAVED PUBLIC OR PRIVATE ROADWAYS BY CONSTRUCTION VEHICLES.
- K. THE CONTRACTOR SHALL SUBMIT AN EROSION PREVENTION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION. REFER TO THE SPECIFICATIONS AND CONTRACTOR'S CHECKLIST FOR ADDITIONAL INFORMATION AND REQUIREMENTS OF THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN.

2. LIMITATIONS AND PROHIBITIONS

- A. THE CONTRACTOR SHALL SCHEDULE EARTHWORK COMPLETION, SITE STABILIZATION, ESTABLISHMENT OF PERENNIAL COVER AND INSTALLATION OF NON-VEGETATIVE PROTECTION MEASURES NO LATER THAN OCTOBER 15. TO ASSURE ESTABLISHMENT OF VEGETATED COVER, SEEDING AND MULCHING ACTIVITIES SHALL BE COMPLETED BY SEPTEMBER 15.
- B. FOR PROJECTS EXTENDING BEYOND OCTOBER 15, LIMIT EXPOSURE OF SOILS AND MINIMIZE ADDITIONAL EARTHWORKS. ANY PROPOSED SOIL DISTURBANCE AND EARTHWORKS BETWEEN OCTOBER 15 AND MAY 1 WILL REQUIRE DEVELOPMENT OF A SPECIAL WINTER EROSION PREVENTION AND SEDIMENT CONTROL PLAN ADDRESSING THE SPECIFIC CONCERNS OF WINTER CONSTRUCTION. THIS PLAN MUST BE FILED WITH, AND APPROVED BY, THE PERMITTING AUTHORITY BY SEPTEMBER 15. IF IT IS DETERMINED BY THE ENGINEER OF THE PERMITTING AUTHORITY THAT WINTER CONSTRUCTION WOULD PRESENT A SIGNIFICANT RISK TO WATER QUALITY, THE CONTRACTOR WILL NEED TO REQUEST A WINTER SHUTDOWN IN ACCORDANCE WITH THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- C. DISCHARGES OF ANY MATERIAL OTHER THAN STORMWATER, SUCH AS VEHICLE AND EQUIPMENT MAINTENANCE SPILLS, FUELS, WASH WATER, CONSTRUCTION DEBRIS, OIL, WET CONCRETE (INCLUDING WASHOUT WATER FROM CONCRETE BATCH TRUCKS OR EQUIPMENT USED TO MIX CONCRETE), AND OTHER SUBSTANCES, ARE PROHIBITED.
- D. NO SILT FENCE SHALL BE UTILIZED IN AREAS OF CONCENTRATED FLOWS, SUCH AS CHANNELS OR DITCHES.
- E. DISPOSAL OF SEDIMENT IN A WETLAND IS PROHIBITED.
- F. THE FAILURE TO PROMPTLY ABATE THE DISCHARGE OF SEDIMENT OR ANY OTHER WASTE WHICH CAUSES A VISIBLE DISCOLORATION OF SURFACE WATERS (INCLUDING WETLANDS), OR IS FOUND TO BE EXCEEDING WATER QUALITY STANDARDS BASED ON MONITORING, IS PROHIBITED.

3. GENERAL CONSTRUCTION NOTES

- A. VEHICLE AND EQUIPMENT STORAGE AREAS OR AREAS ADJACENT TO CONSTRUCTION TRAILERS OR OTHER HIGH TRAFFIC AREAS SHALL BE COVERED WITH GEOTEXTILE FABRIC AND 12 INCHES OF GRAVEL. FOLLOWING COMPLETION OF CONSTRUCTION, ALL NON-NATIVE MATERIALS SHALL BE REMOVED FROM THE STAGING AREA. COMPACTED, RUTTED, OR OTHERWISE DISTURBED SOILS SHALL BE TILLED, RAKED, SEEDED AND MULCHED.

- B. ERODIBLE MATERIALS STOCKPILED WITHIN THE MATERIAL STORAGE AREAS SHALL BE ISOLATED WITH FILTER FABRIC. SOIL STOCKPILED ON THE SITE SHALL BE SEEDED AND MULCHED.
- C. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITHIN 48 HOURS OF BEING STRIPPED OR BACKFILLED AND GRADED.
- D. STOCKPILES SHALL BE MULCHED IF THEY WILL BE UNDISTURBED FOR MORE THAN 24 HOURS.

4. INSPECTION

- A. THE CONTRACTOR SHALL DESIGNATE A QUALIFIED INDIVIDUAL TO ACT AS THE ONSITE COORDINATOR. THIS PERSON IS RESPONSIBLE FOR INSPECTING ALL EROSION PREVENTION AND SEDIMENT CONTROL STRUCTURES AND MEASURES AND FILING REPORTS FOR EACH INSPECTION. REFER TO THE SPECIFICATIONS FOR FURTHER REQUIREMENTS AND FREQUENCY OF INSPECTIONS.
- B. IN ADDITION TO THE REQUIREMENTS SET FORTH BY THE SPECIFICATIONS THE ONSITE COORDINATOR SHALL INSPECT THE FOLLOWING:

AREAS THAT HAVE BEEN TEMPORARILY OR FINALLY STABILIZED A MINIMUM OF ONCE A MONTH.

DISCHARGE POINTS ON A DAILY BASIS TO VISUALLY ASSESS WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING IMPACTS TO RECEIVING WATERS.
- C. A COPY OF THE ONSITE COORDINATOR'S REPORT SHALL BE KEPT ON SITE WITH THE CURRENT EROSION PREVENTION AND SEDIMENT CONTROL PLAN. ANY CHANGES TO THE EROSION CONTROL PLAN SHALL BE APPROVED PRIOR TO IMPLEMENTATION.

5. MAINTENANCE

- A. THE CONTRACTOR SHALL KEEP ALL SEEDED AREAS WATERED AND IN GOOD CONDITION, RE-SEEDING IF AND WHEN NECESSARY UNTIL A GOOD, HEALTHY, UNIFORM GROWTH IS ESTABLISHED OVER THE ENTIRE AREA SEEDED.
- B. THE CONTRACTOR SHALL REPAIR ALL EROSION CONTROL STRUCTURES AND MEASURES THAT ARE DETERMINED TO BE FAILING, OR NOT FUNCTIONING AS DESIGNED, WITHIN 24 HOURS OF INSPECTION.
- C. THE CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM CONTAINMENT SYSTEMS AND OTHER SEDIMENT CONTROL STRUCTURES AS REQUIRED, SUCH THAT PERFORMANCE OF THESE SYSTEMS IS NOT COMPROMISED OR IN ANY WAY IMPAIRED.
- D. THE CONTRACTOR SHALL REMOVE ALL DEBRIS AND REPAIR ALL DAMAGES CAUSED BY SOIL EROSION OR CONSTRUCTION EQUIPMENT AT OR BEFORE THE END OF EACH WORKING DAY.

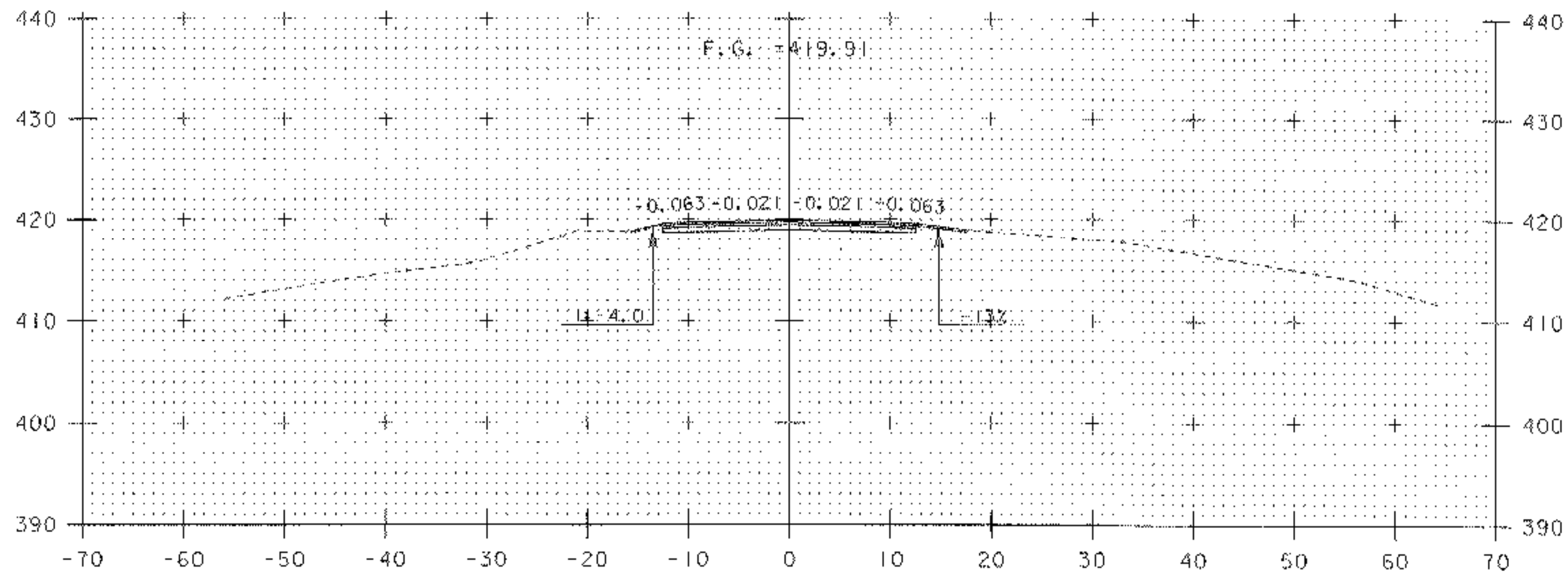
6. CORRECTIVE ACTION

- A. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER AS SOON AS POSSIBLE, BUT WITHIN 24 HOURS, OF ANY EVIDENCE OF MEASURABLE AMOUNTS OF SEDIMENT OR SEDIMENT-LADEN WATER LEAVING THE CONSTRUCTION SITE OR ANY VISIBLE DISCOLORATION OF SURFACE WATERS (INCLUDING WETLANDS).
- B. THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CORRECT THE DISCHARGE, INCLUDING HALTING OR REDUCING CONSTRUCTION ACTIVITIES AS NECESSARY UNTIL THE DISCHARGE AND/OR THE CONDITION IS FULLY CORRECTED.

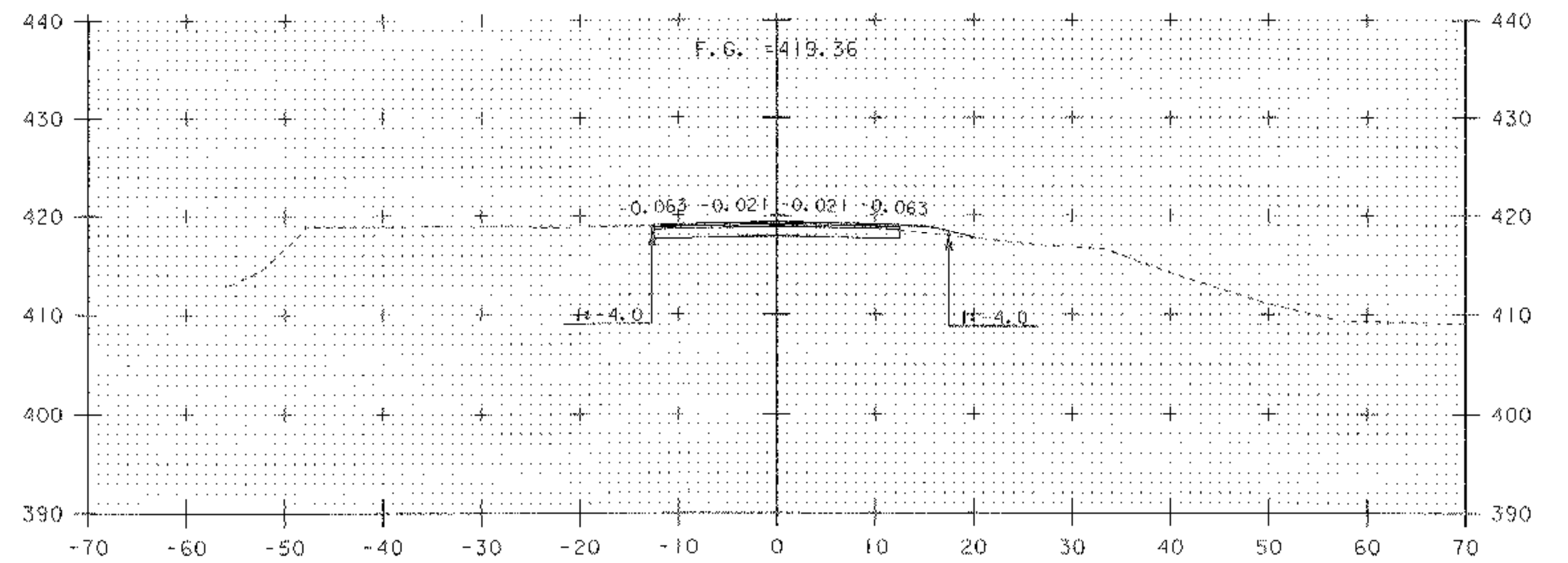
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PROJECT NUMBER: ST 0161(23)

FILE NAME: /03c044/Design/d03c044erod PLOT DATE: 21-MAR-2006
PROJECT LEADER: K. UPMAL DRAWN BY: J. DEVLIN
DESIGNED BY: J. DEVLIN CHECKED BY: R. DELLASANTA
EPSC GENERAL NOTES SHEET 78 OF 92

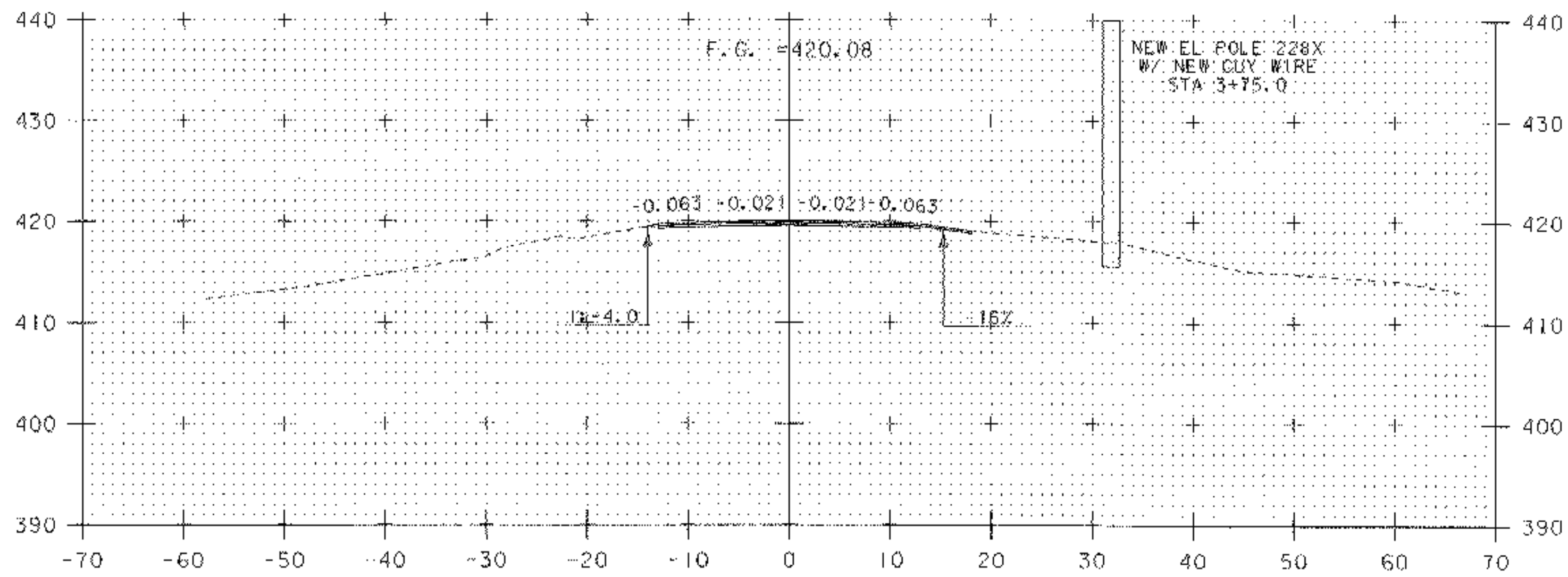
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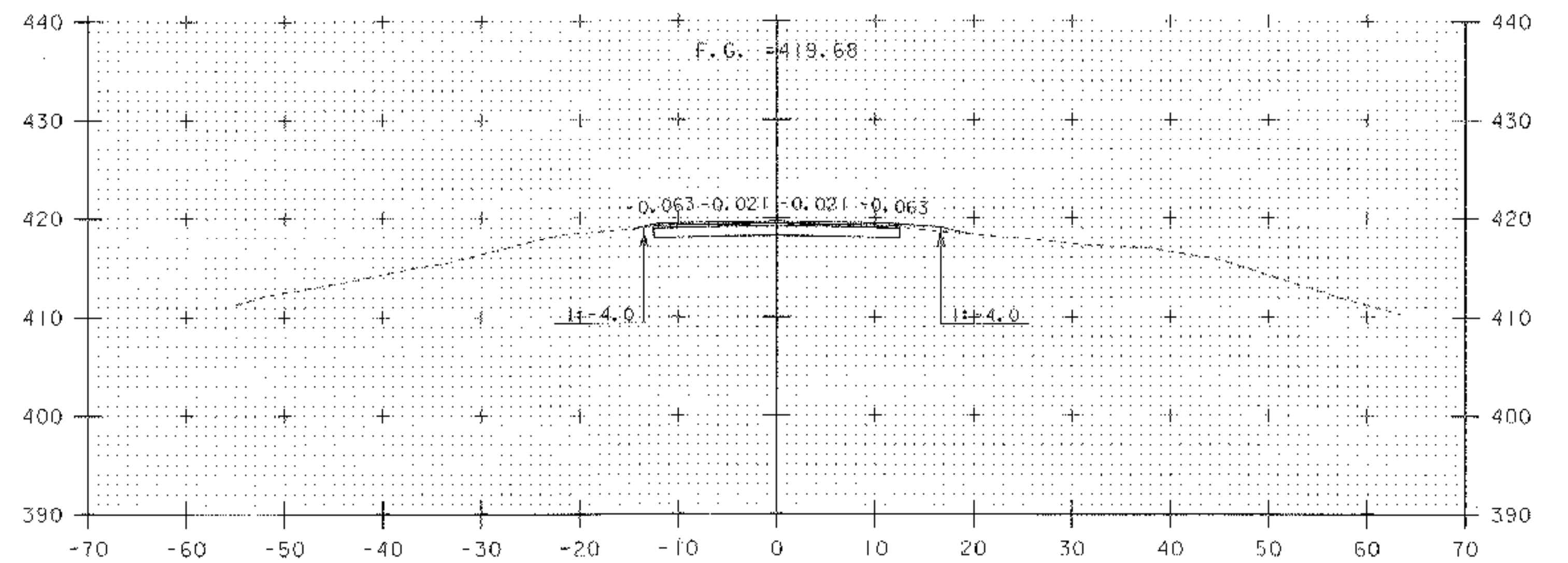
4+00
 GRAVEL PULLOUT RIGHT



4+50



3+75
 GRAVEL PULLOUT RIGHT
 BEGIN PROJECT
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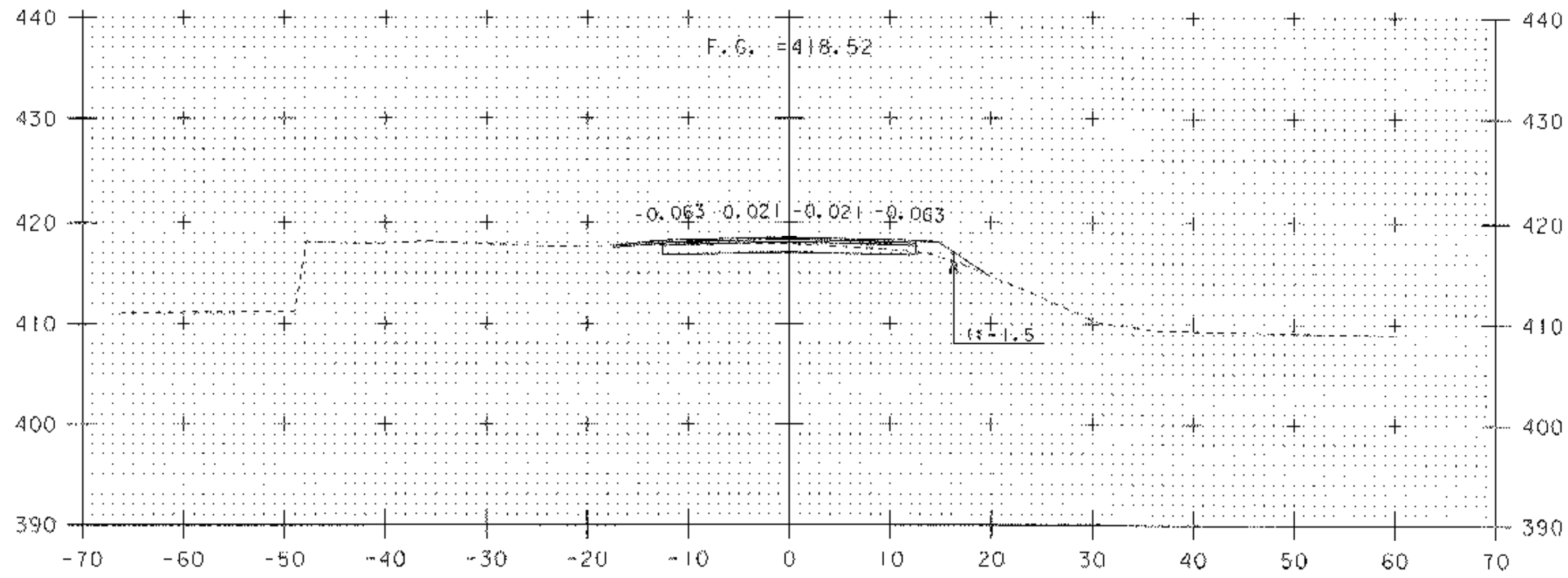


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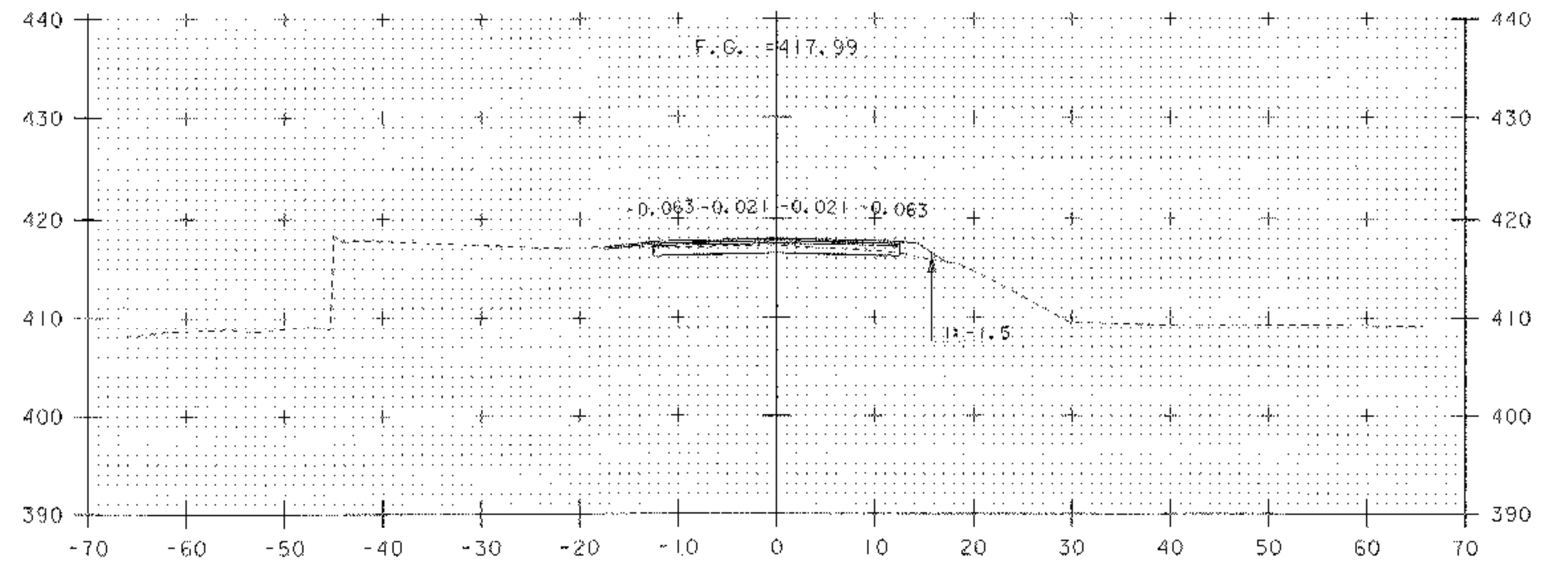


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PROJECT NUMBER:	ST 0161(23)	PROJECT LEADER:	K. UPMAL	DRAWN BY:	J. DEVLIN
		DESIGNED BY:	J. DEVLIN	CHECKED BY:	R. DELI ASANTA
		CROSS SECTIONS STA	3+75 - 4+50	SHEET	79 OF 92

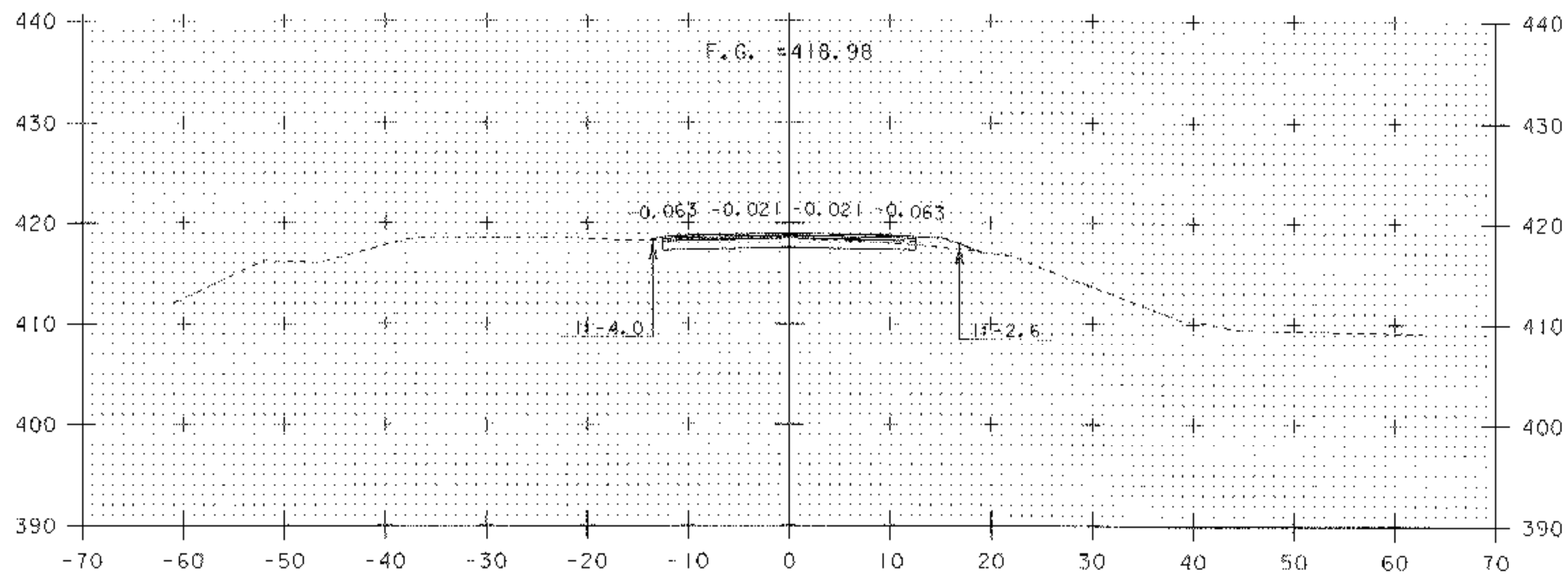
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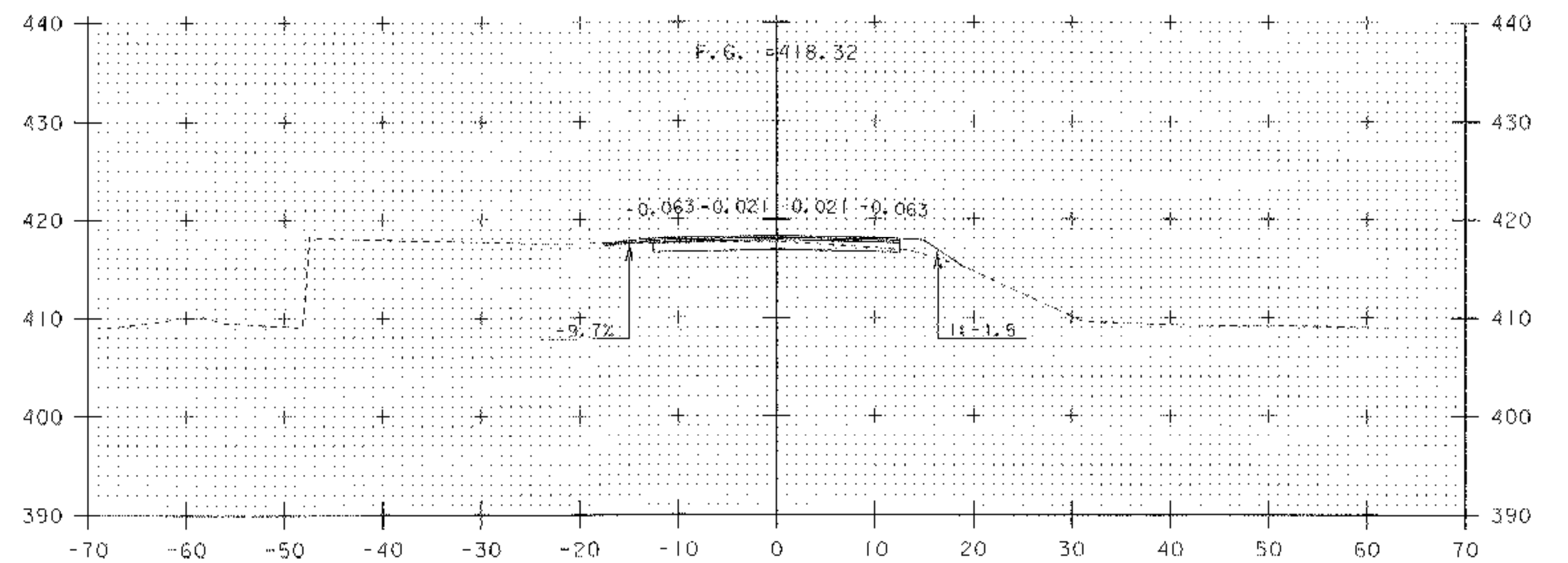
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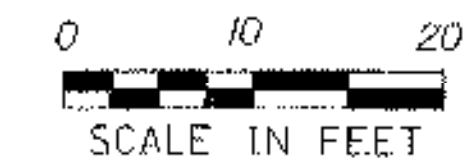
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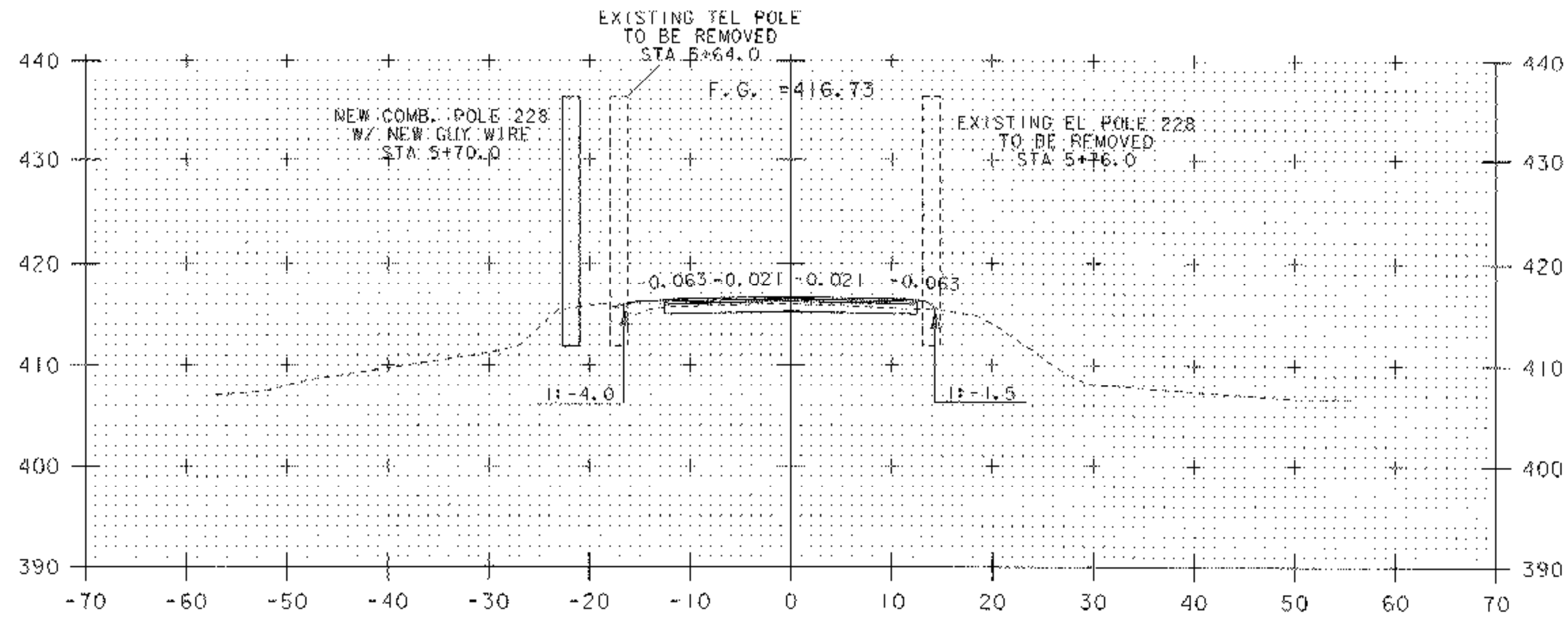
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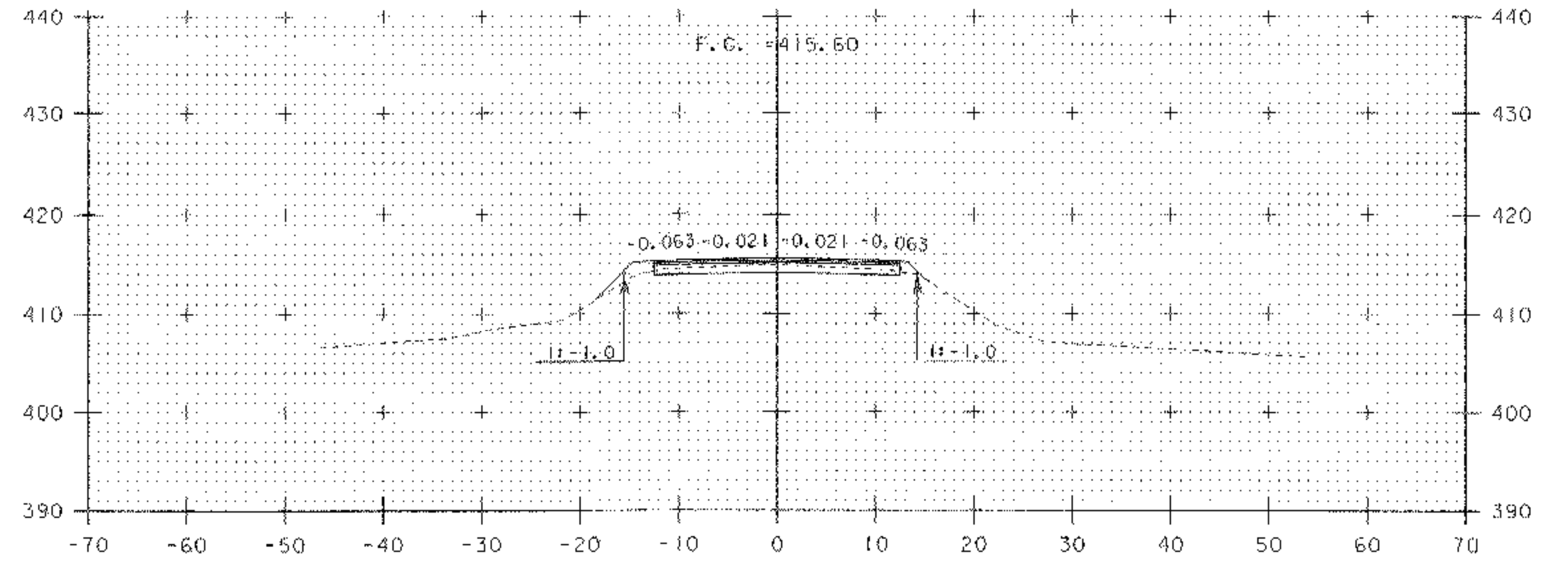
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PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW\03c044\Design\d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA	4+75 - 5+25
DESIGNED BY:	J. DEVLIN	SHEET	80 OF 92

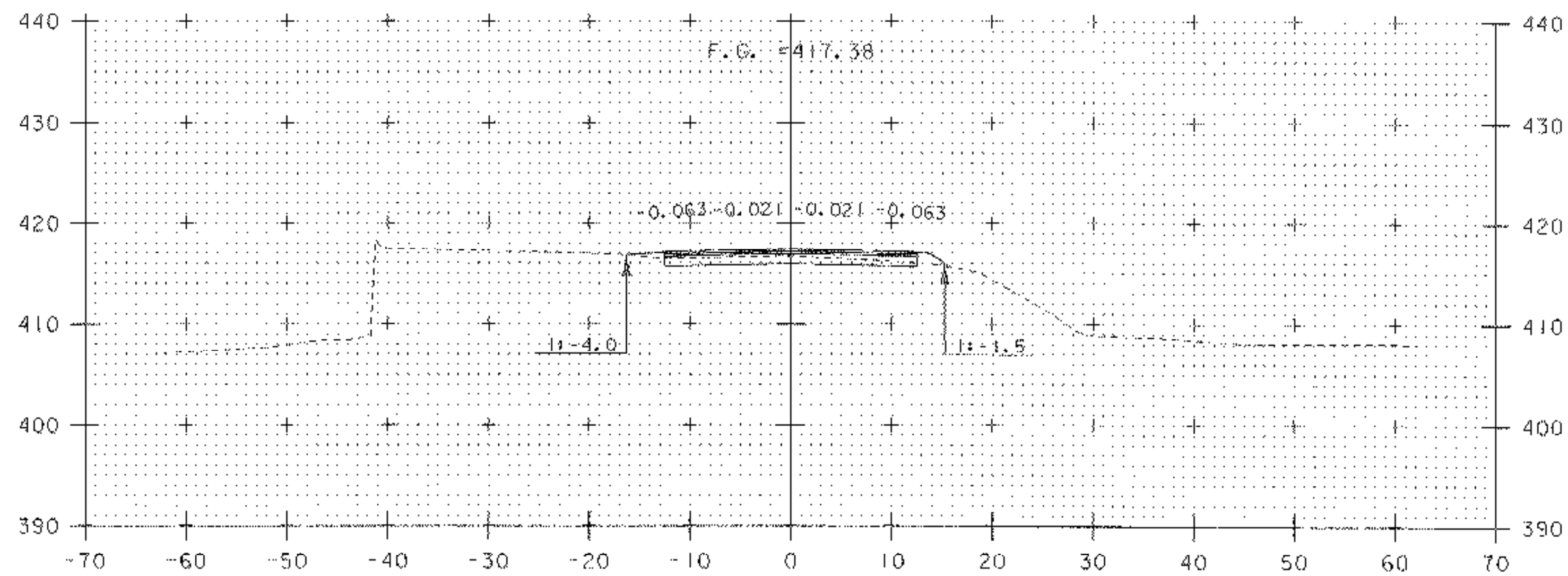
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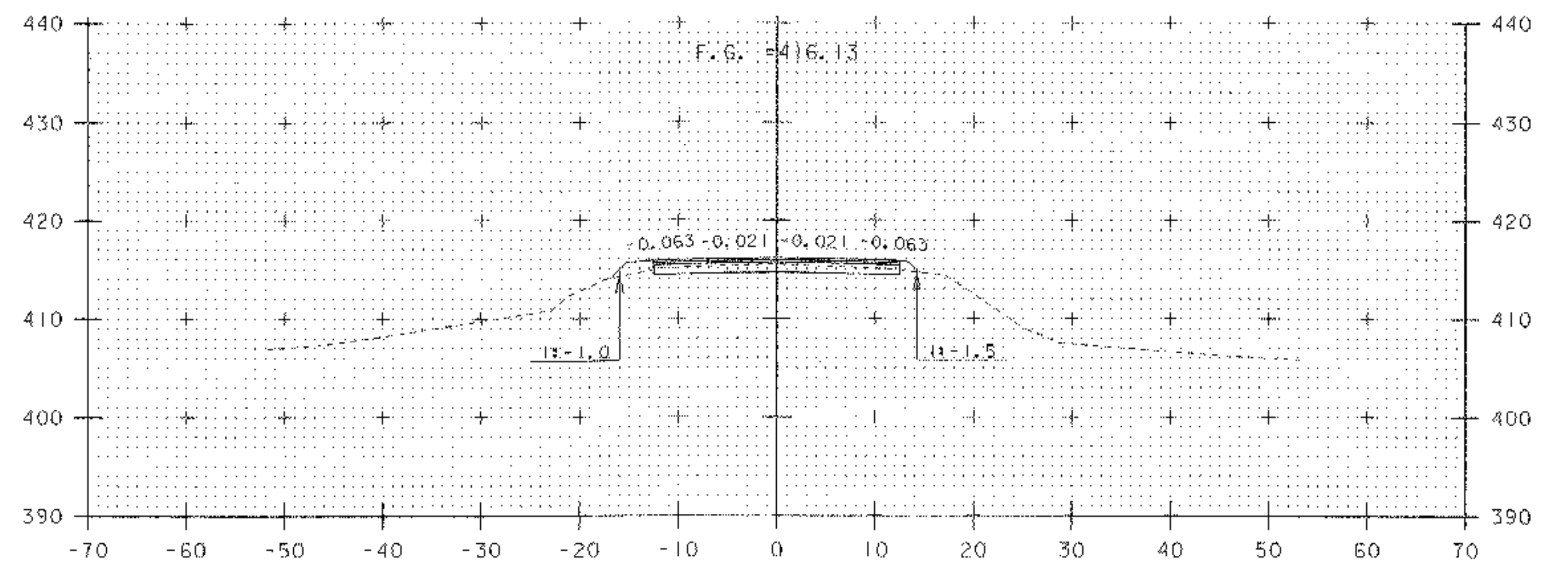
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6+25



5+50

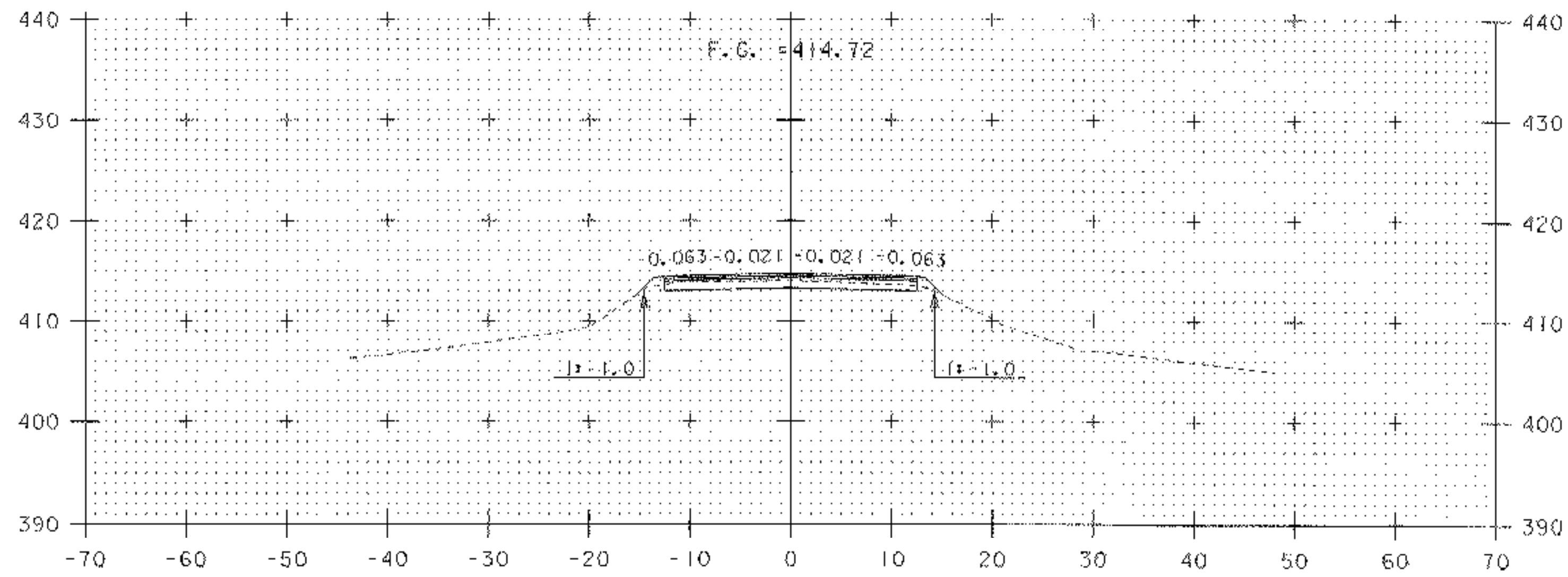


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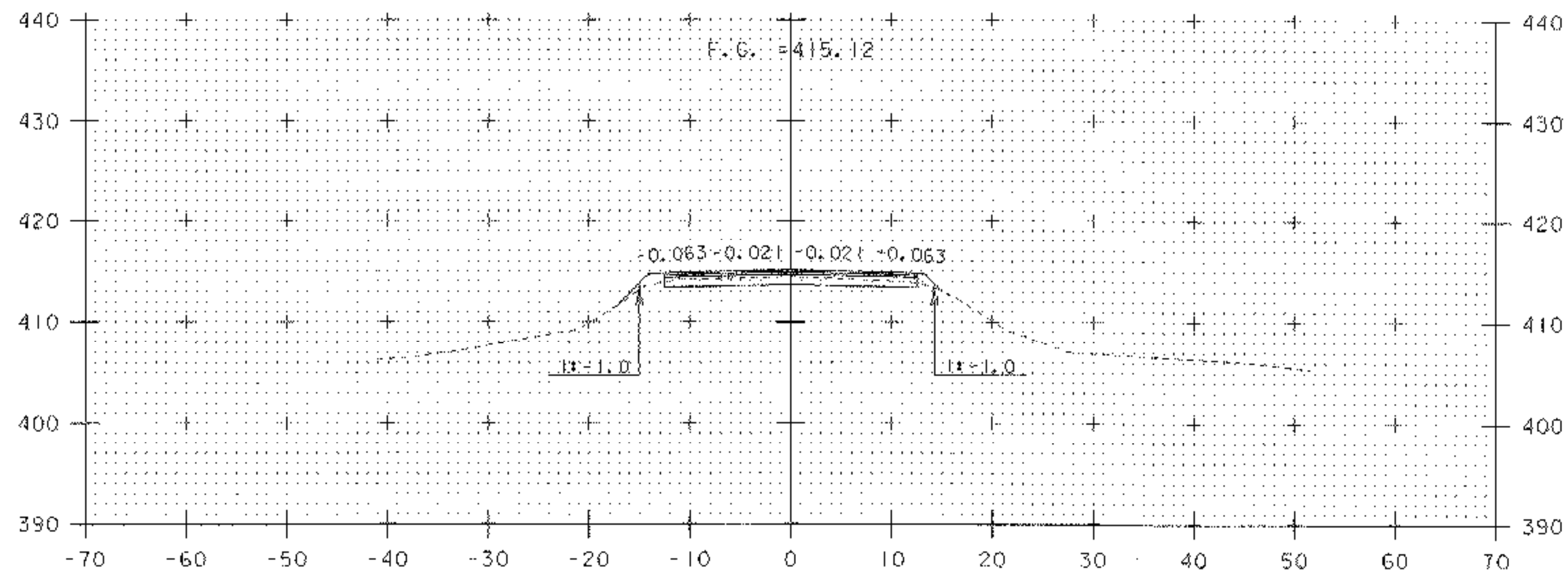


PROJECT NAME:	HUBBARDTON	PLLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW\03c044\Design\03c044xs	DESIGNED BY:	J. DEVLIN
CROSS SECTIONS STA 5+50 - 6+25		CHECKED BY:	R. DELLASANTA
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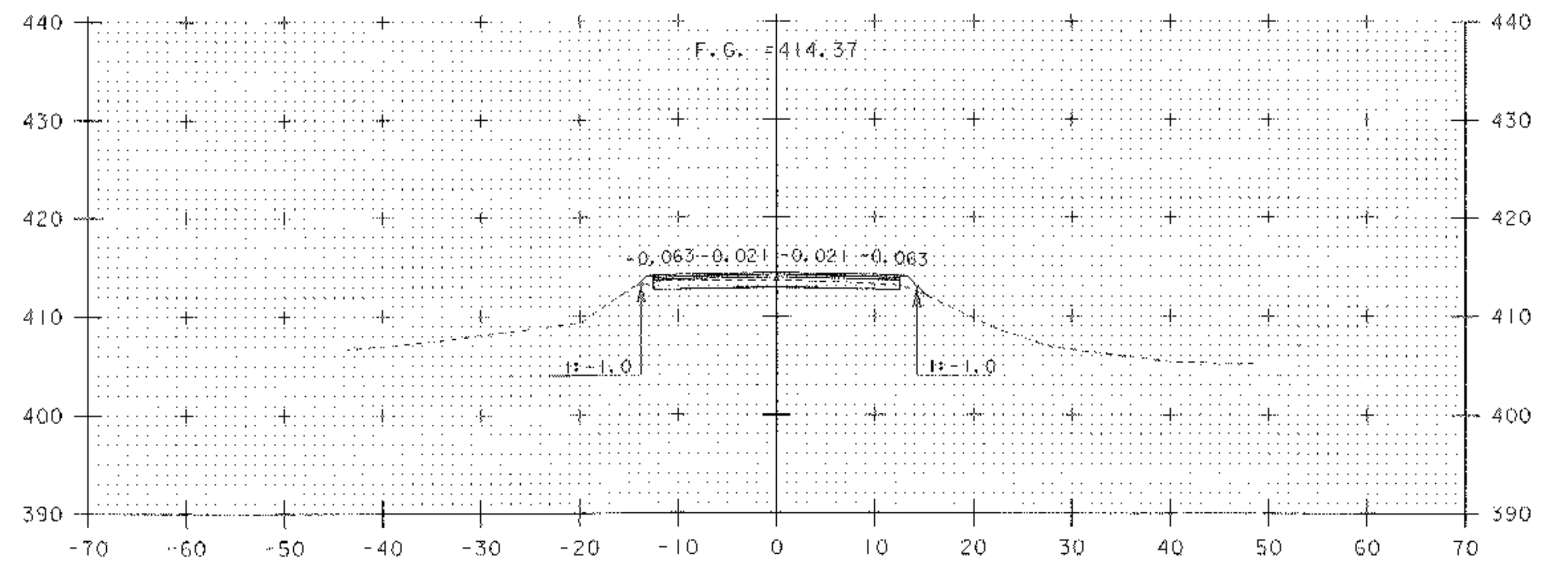
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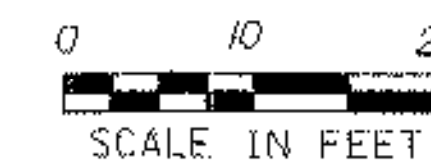
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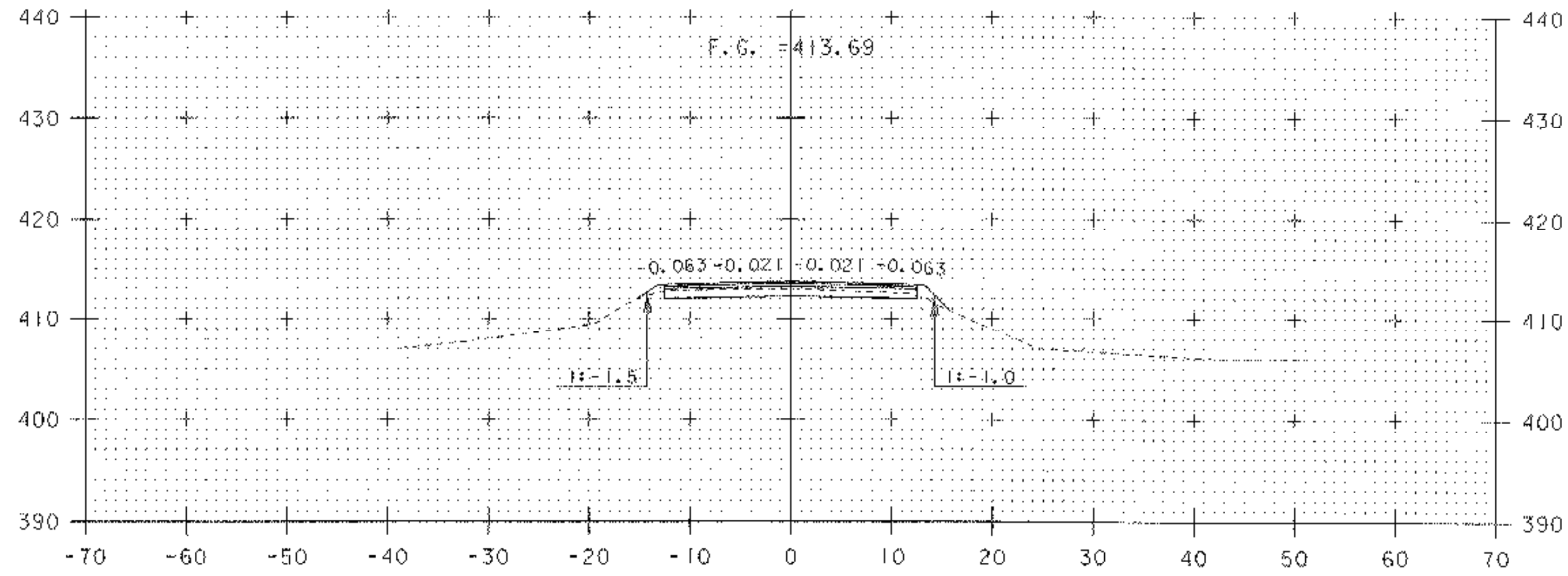


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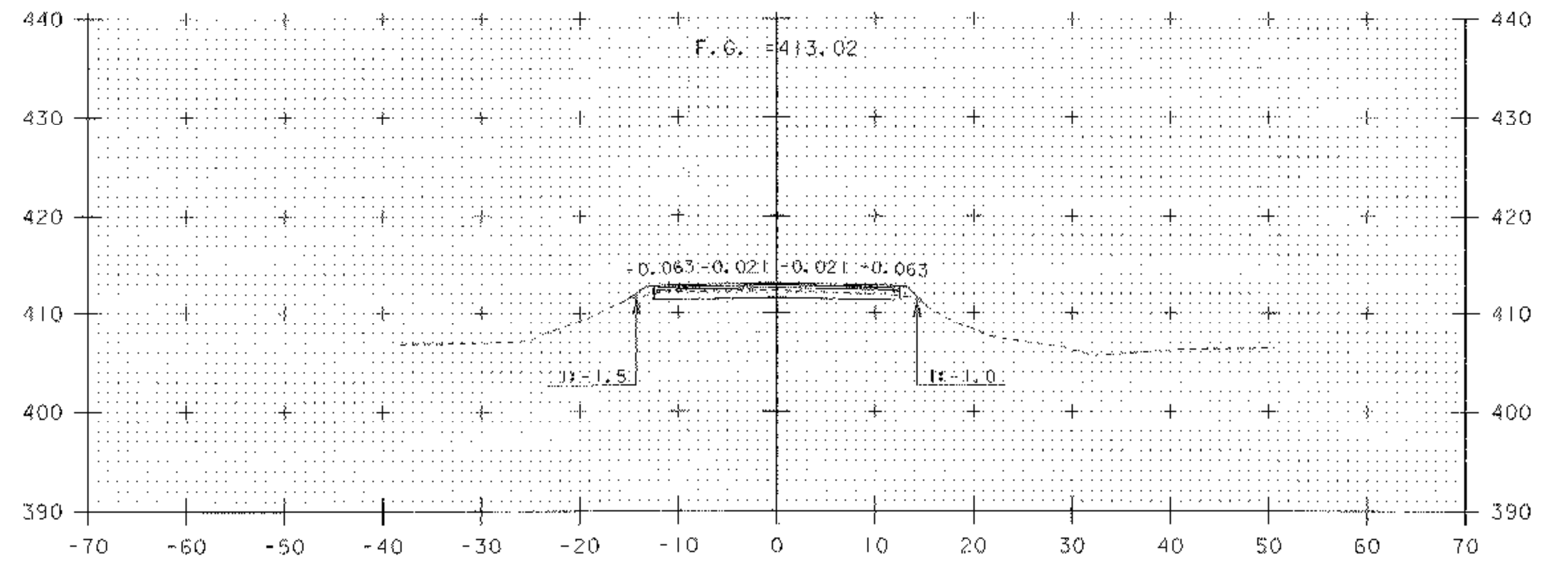


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PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW/03c044/Design/d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA	6+50 - 7+00
DESIGNED BY:	J. DEVLIN	SHEET	82 OF 92

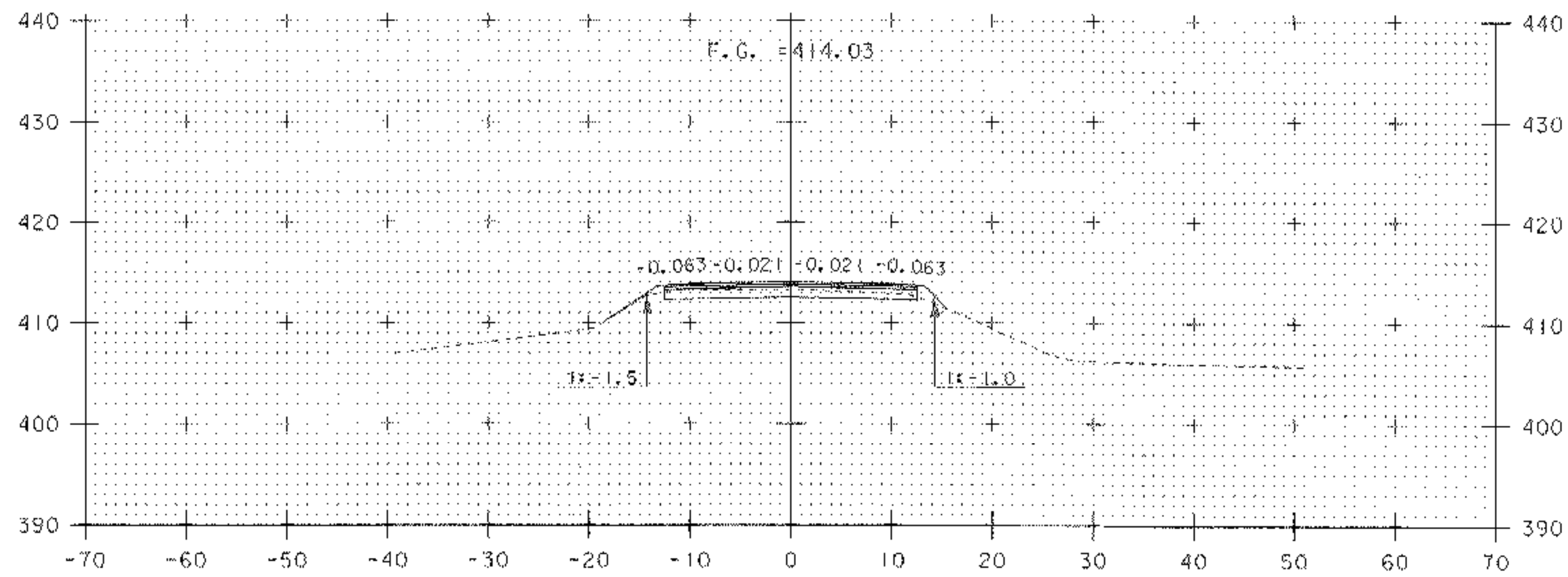
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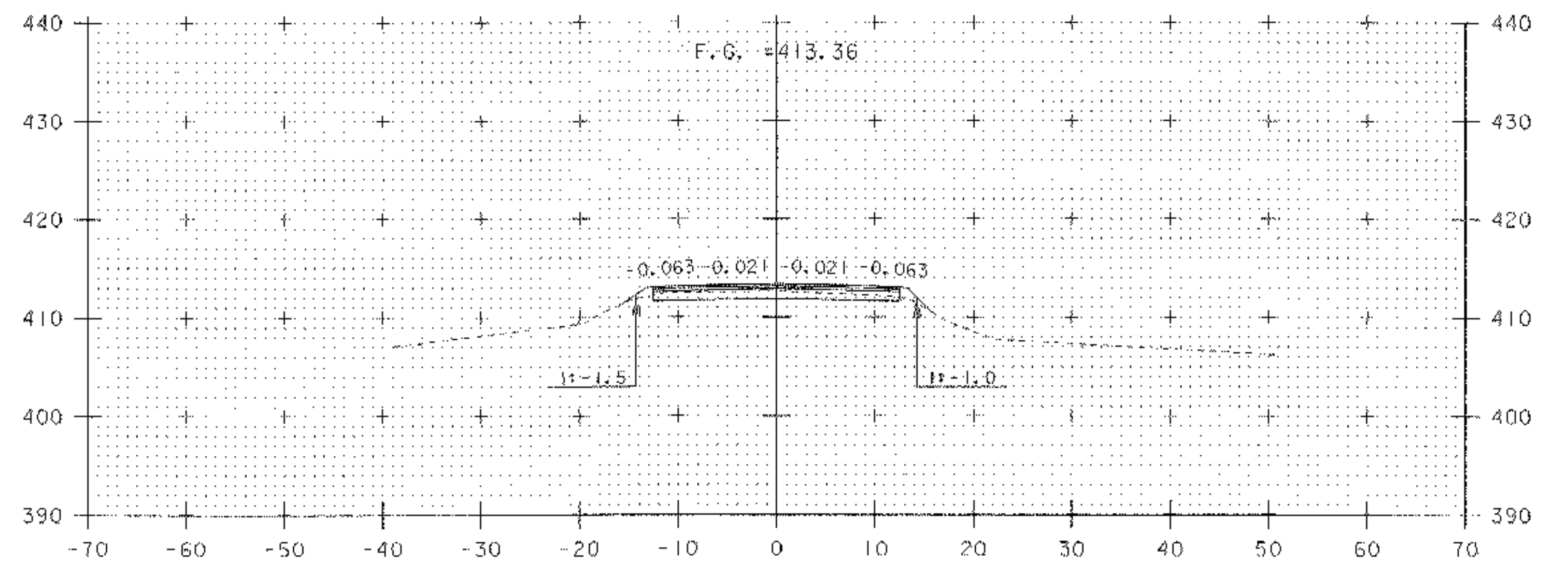
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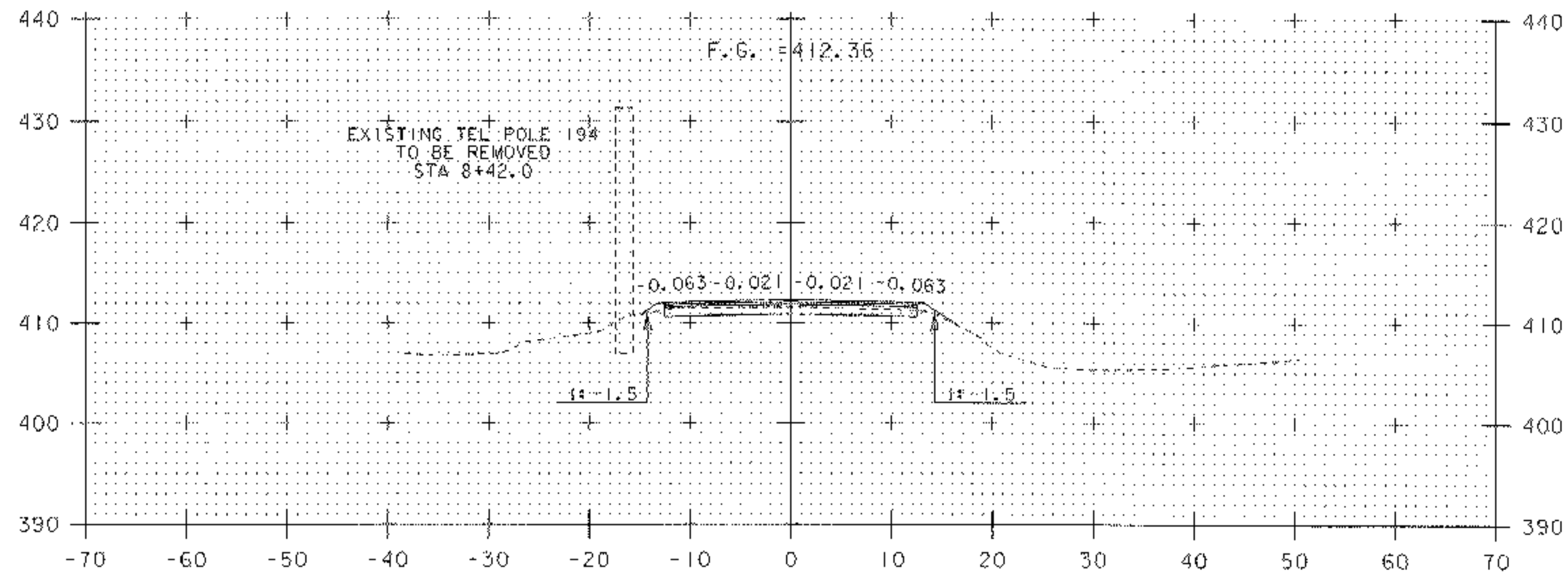


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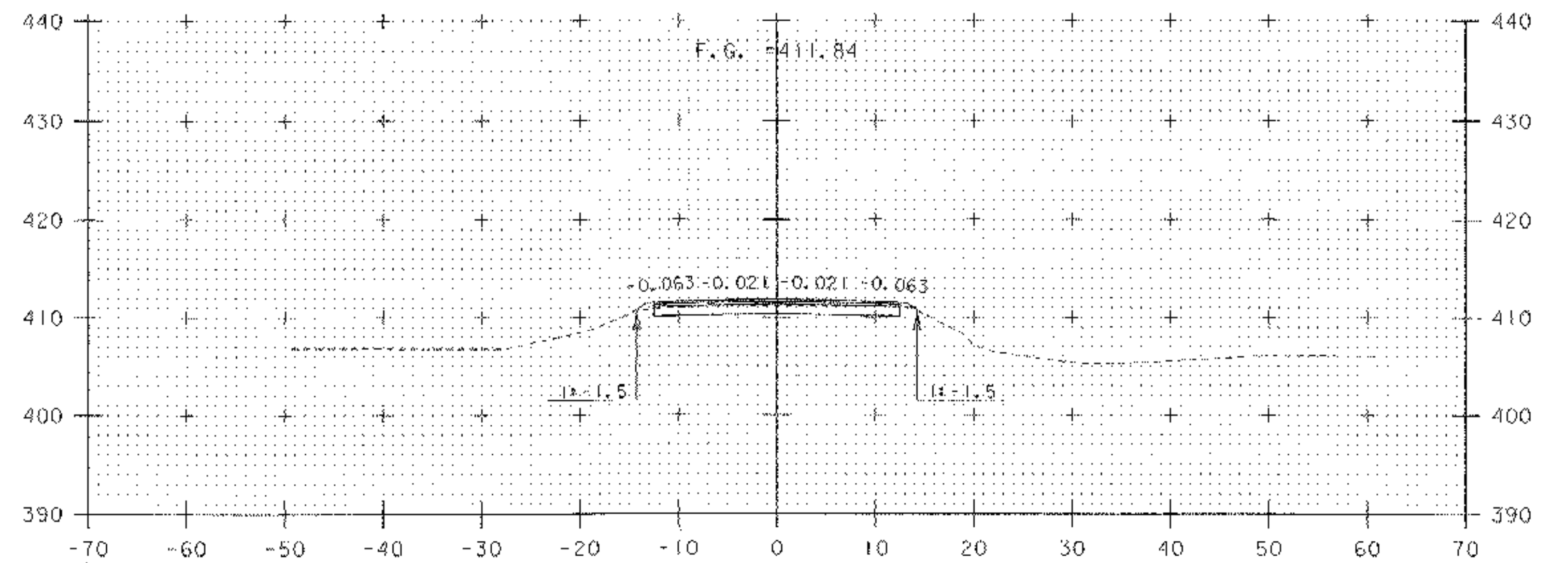


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PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW\03c044\Design\d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA	7+25 - 8+00
DESIGNED BY:	J. DEVLIN	SHEET	83 OF 92

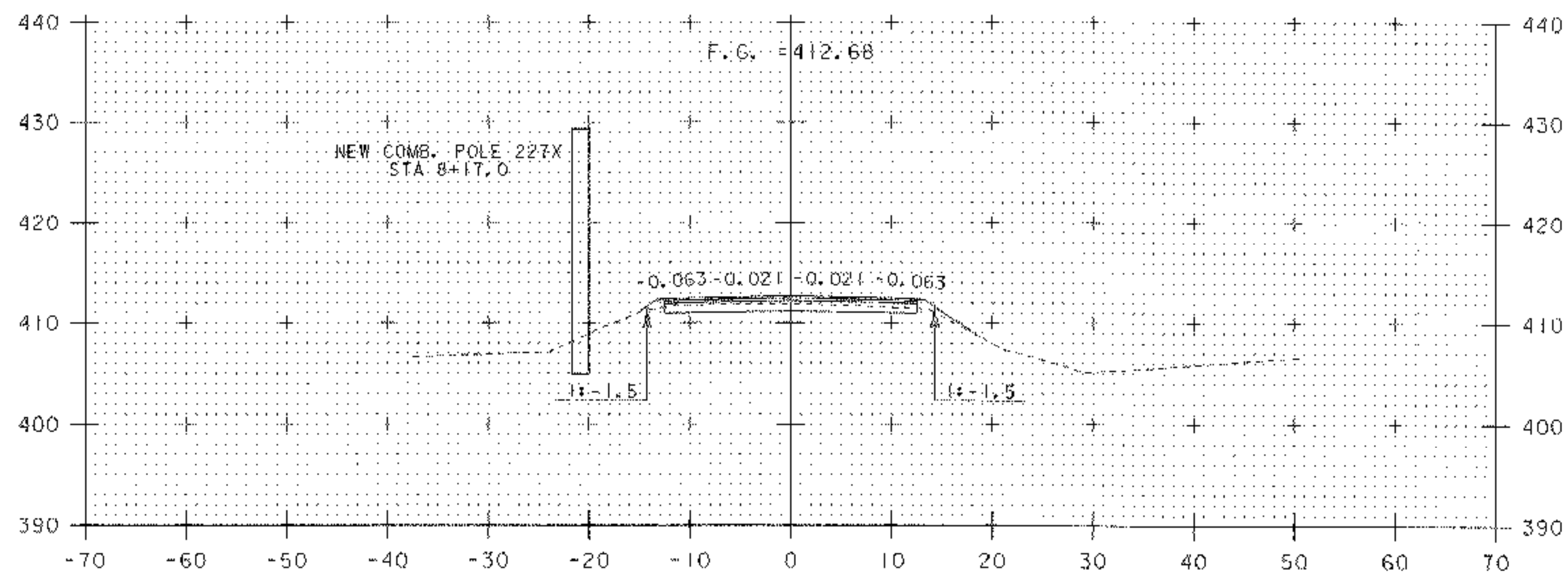
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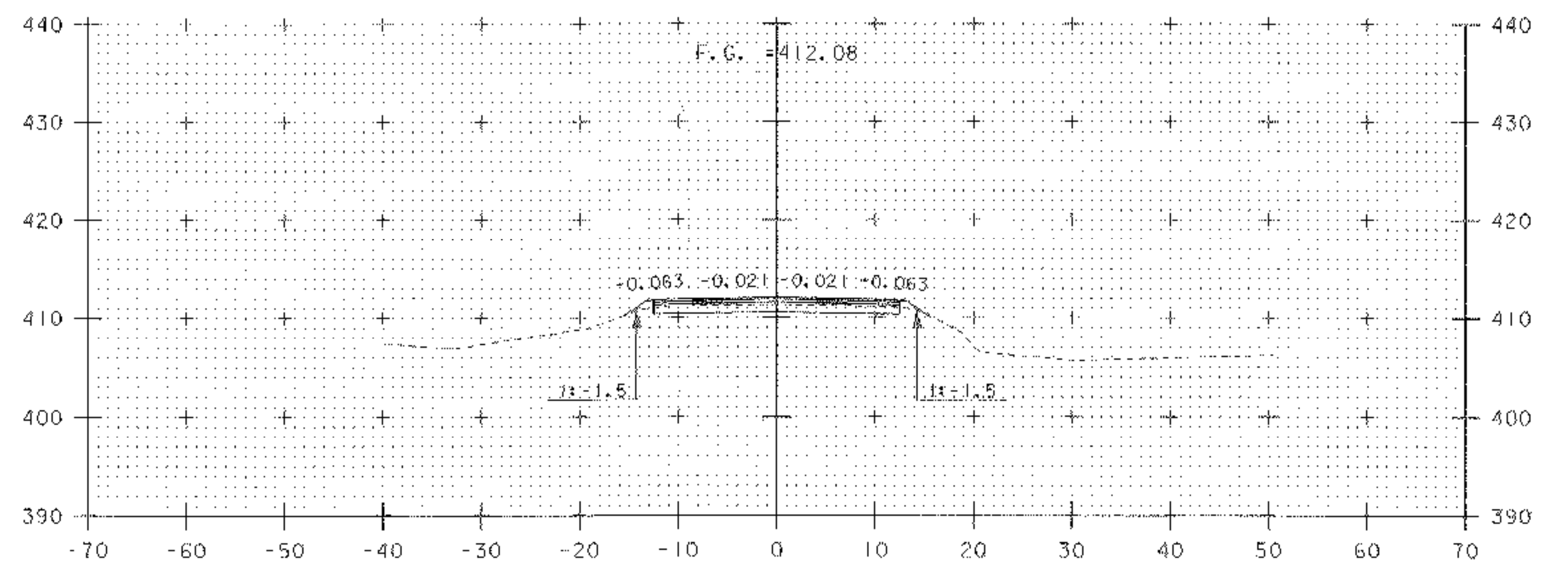
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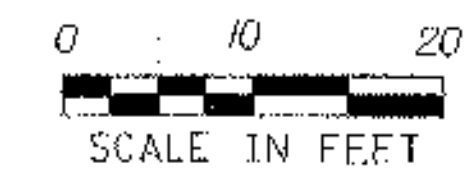
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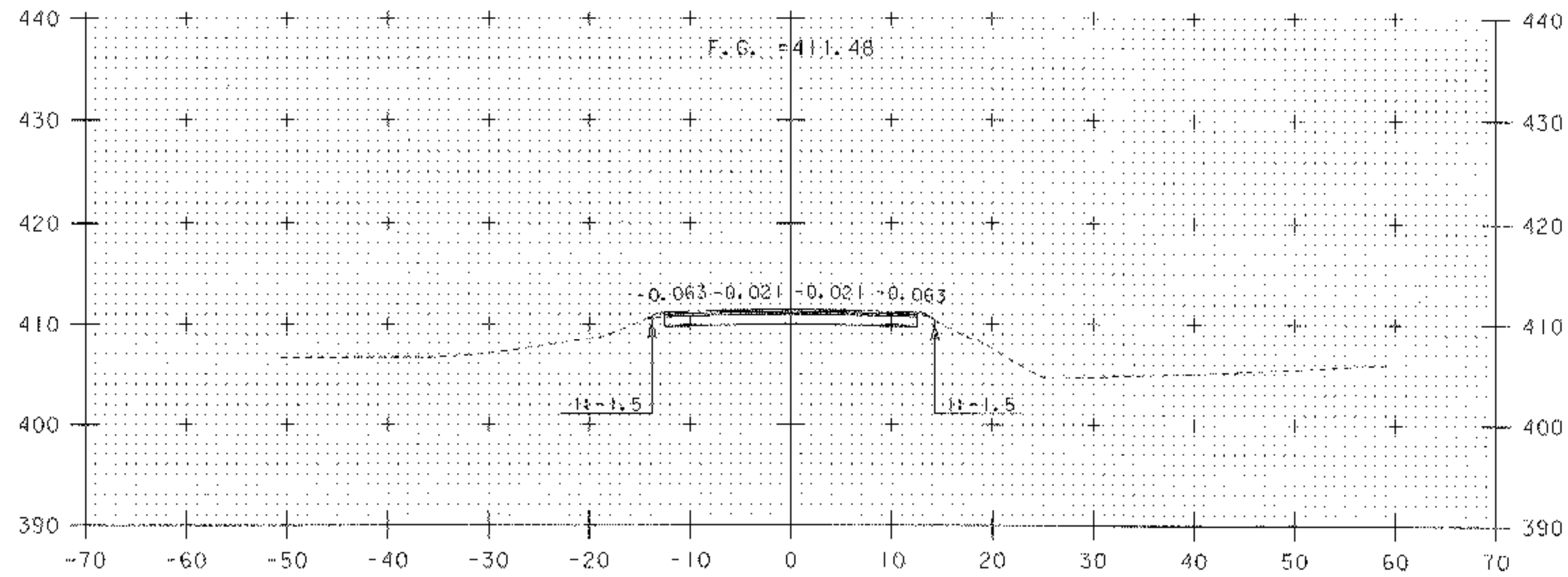
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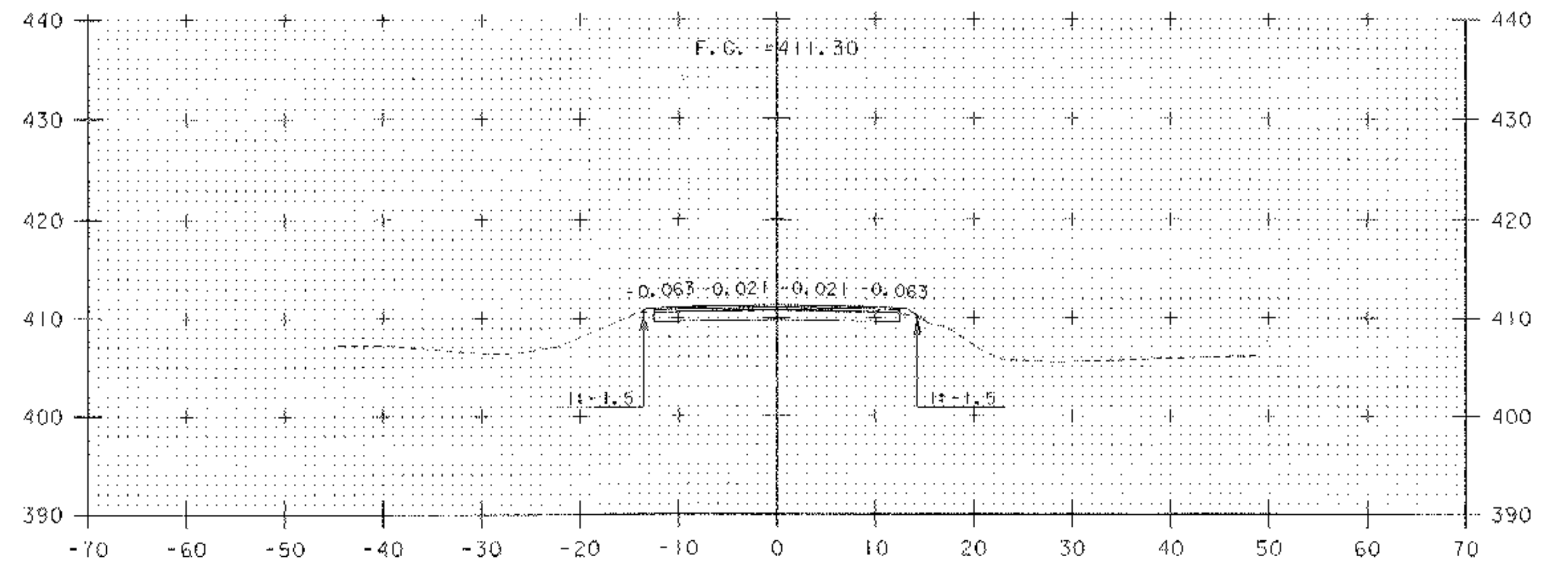
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PROJECT NAME:	HUBBARDTON	PLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
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PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA	8+25 - 9+00
DESIGNED BY:	J. DEVLIN	SHEET	84 OF 92

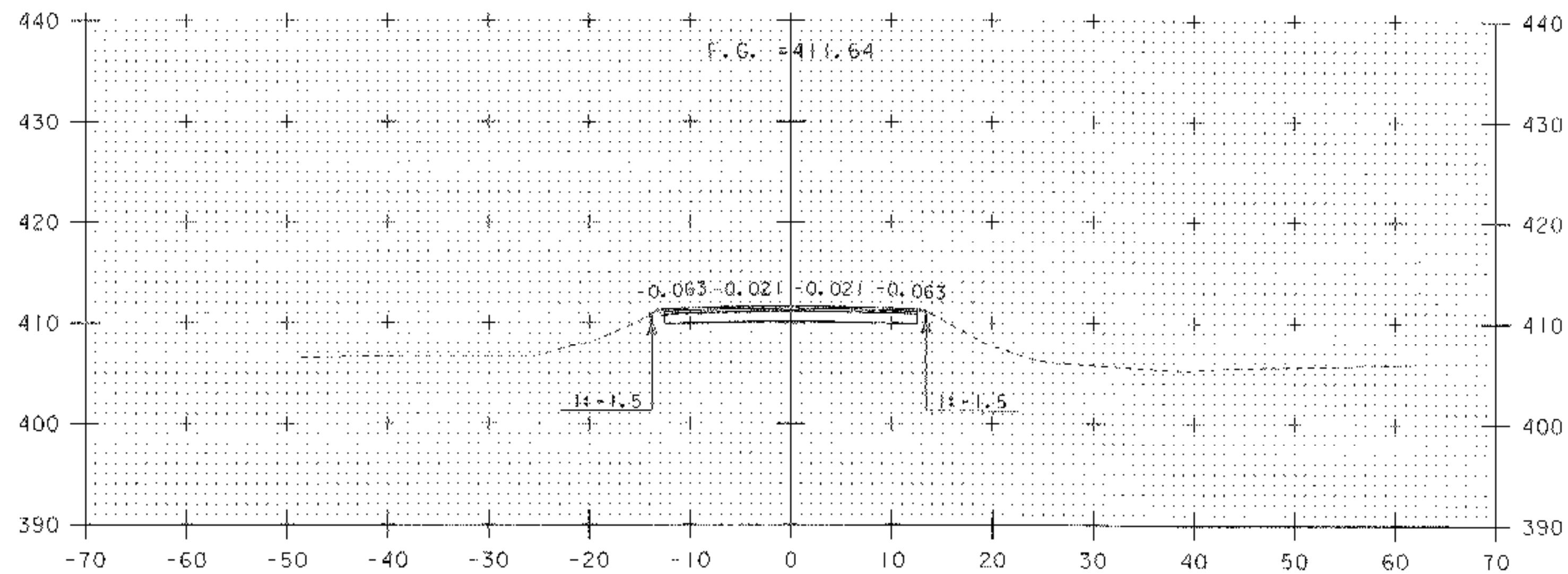
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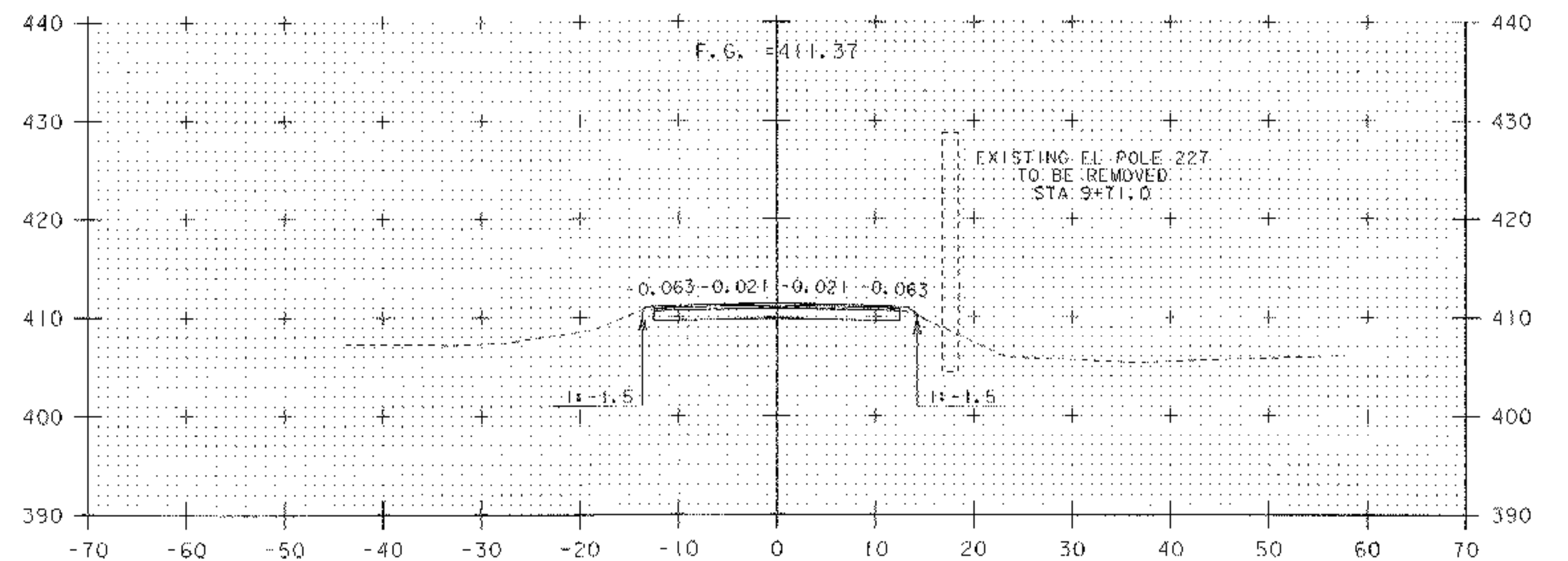
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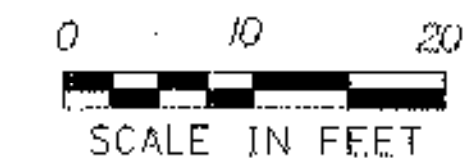
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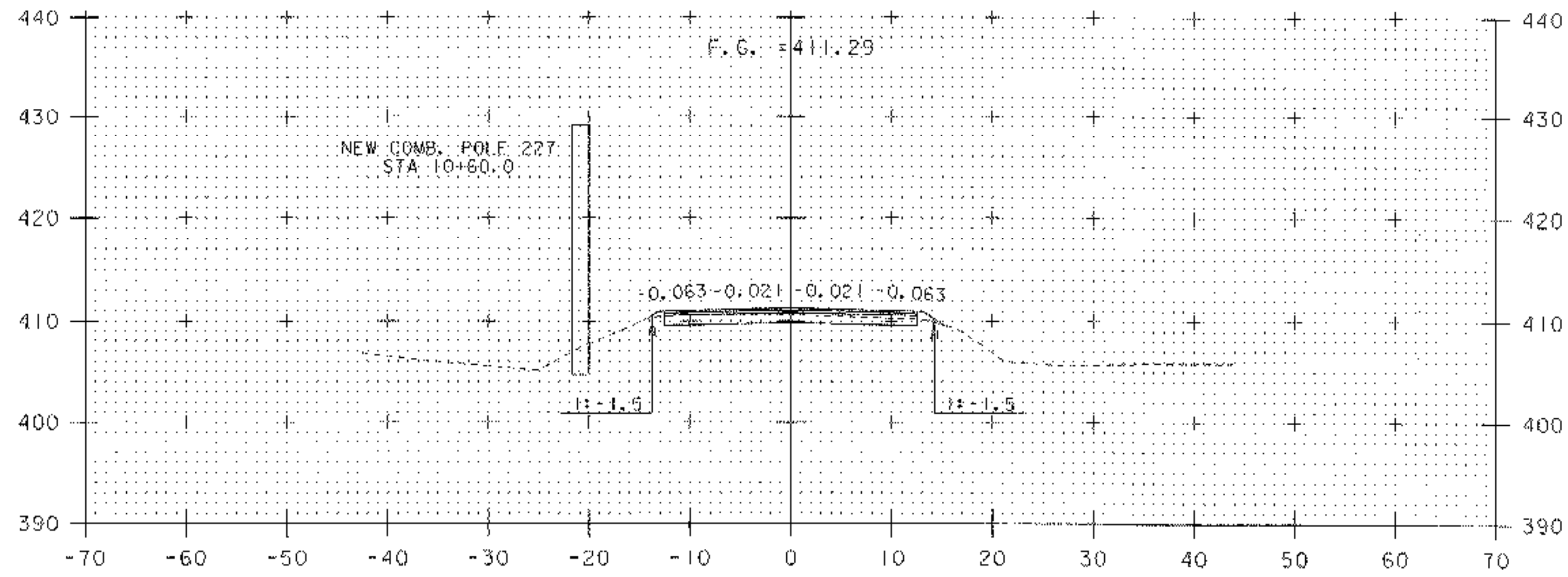
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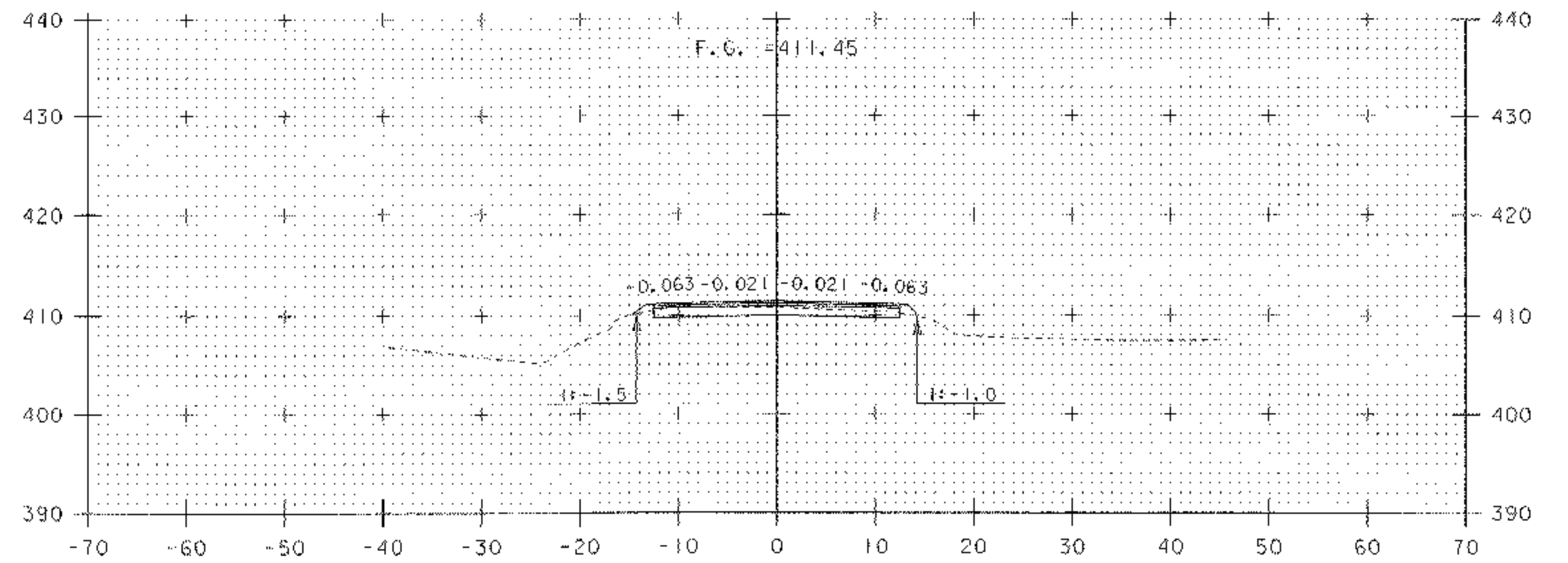
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PROJECT NAME:	HUBBARDTON	PLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW\03c044\Design\d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA 9+25 - 10+00	SHEET 85 OF 92
DESIGNED BY:	J. DEVLIN		

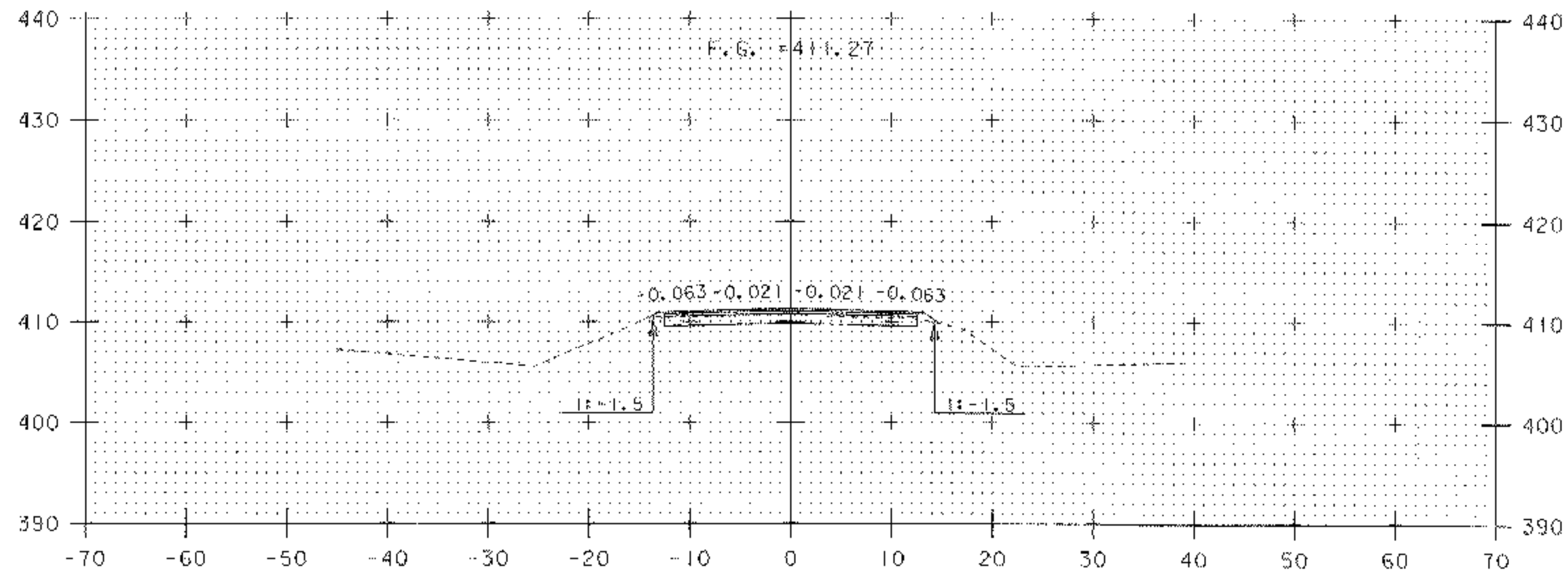
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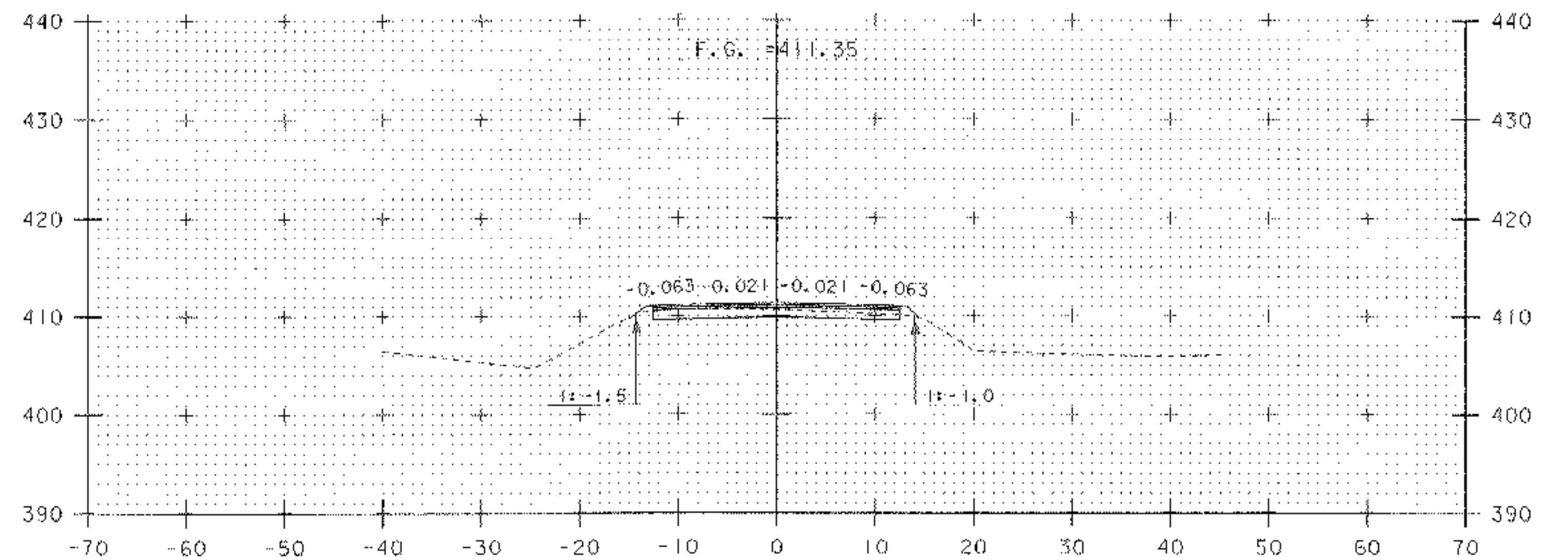
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11+00



10+25

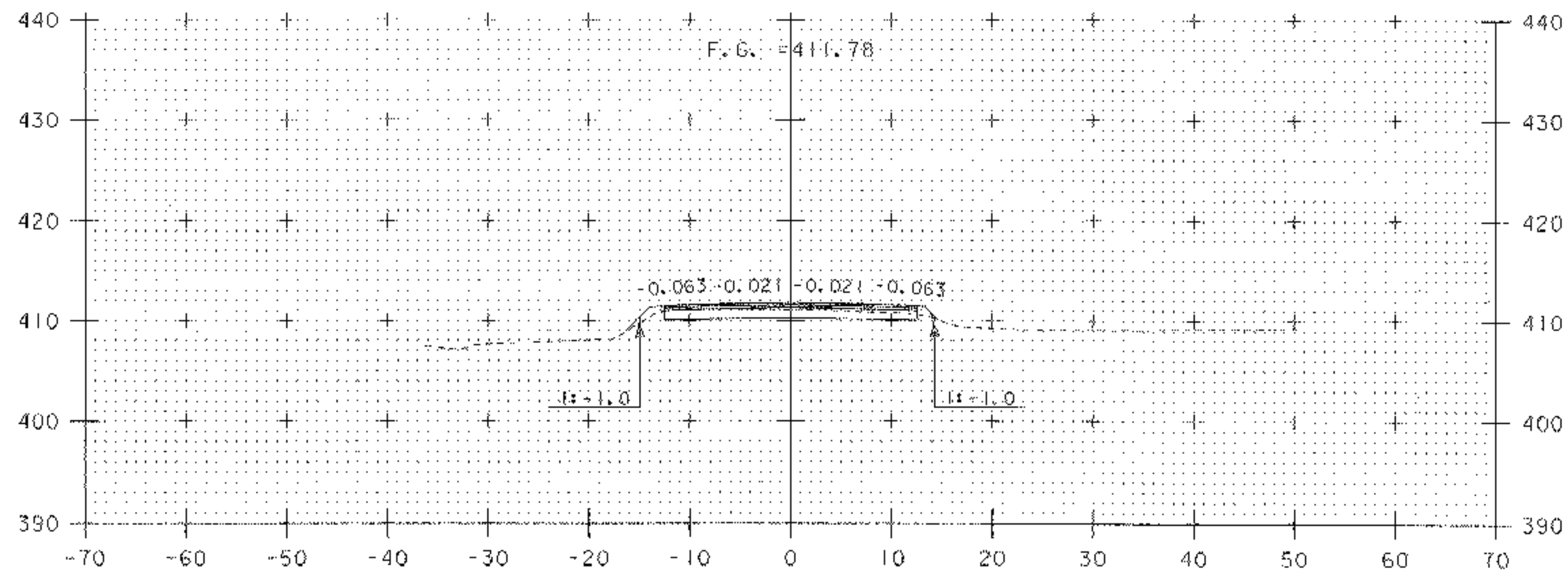


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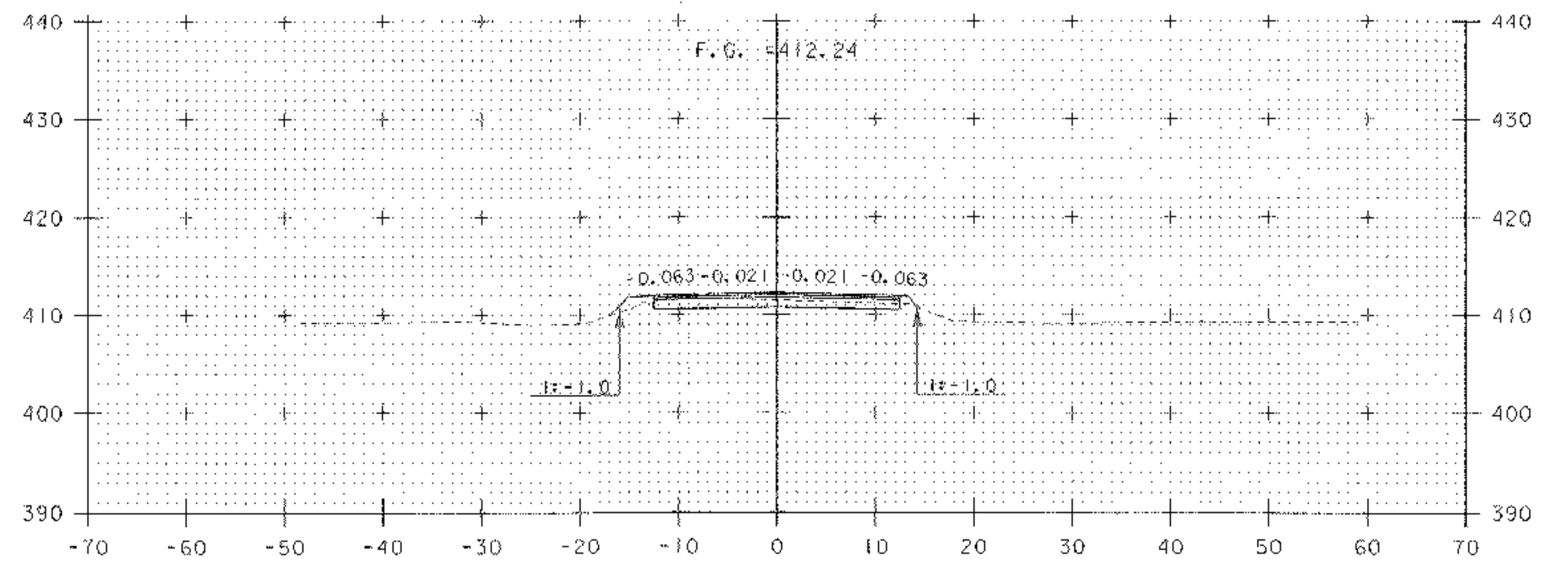


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FILE NAME:	PW/03c044/Design/d03c044xs	DESIGNED BY:	J. DEVLIN
CROSS SECTIONS STA 10+25 - 11+00		CHECKED BY:	R. DELIASANTA
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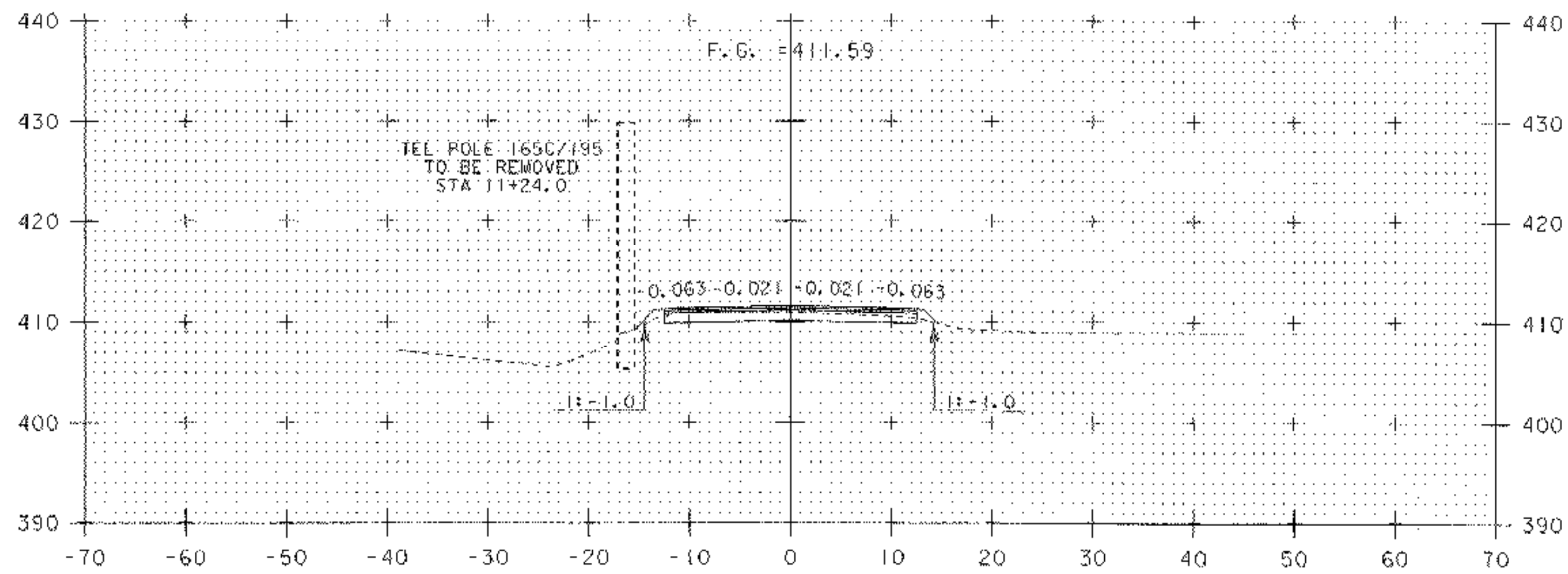
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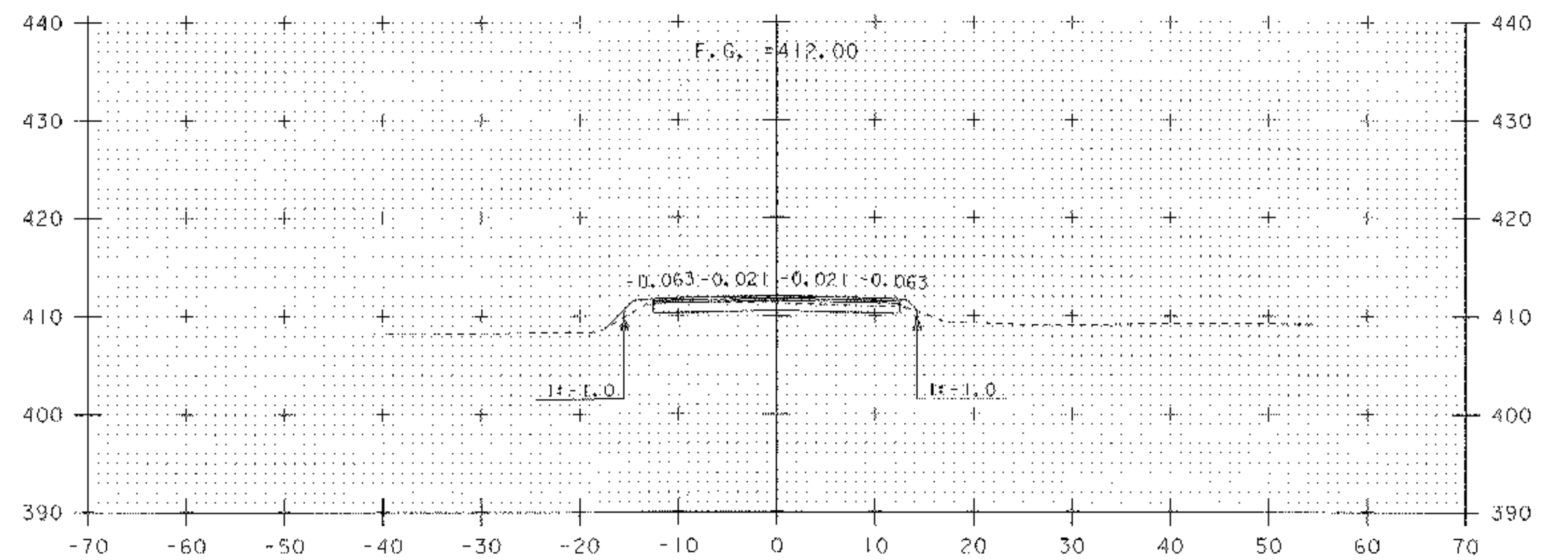
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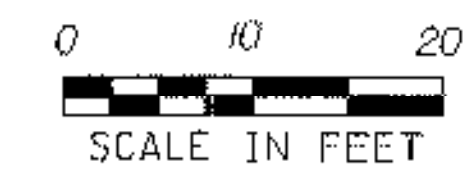
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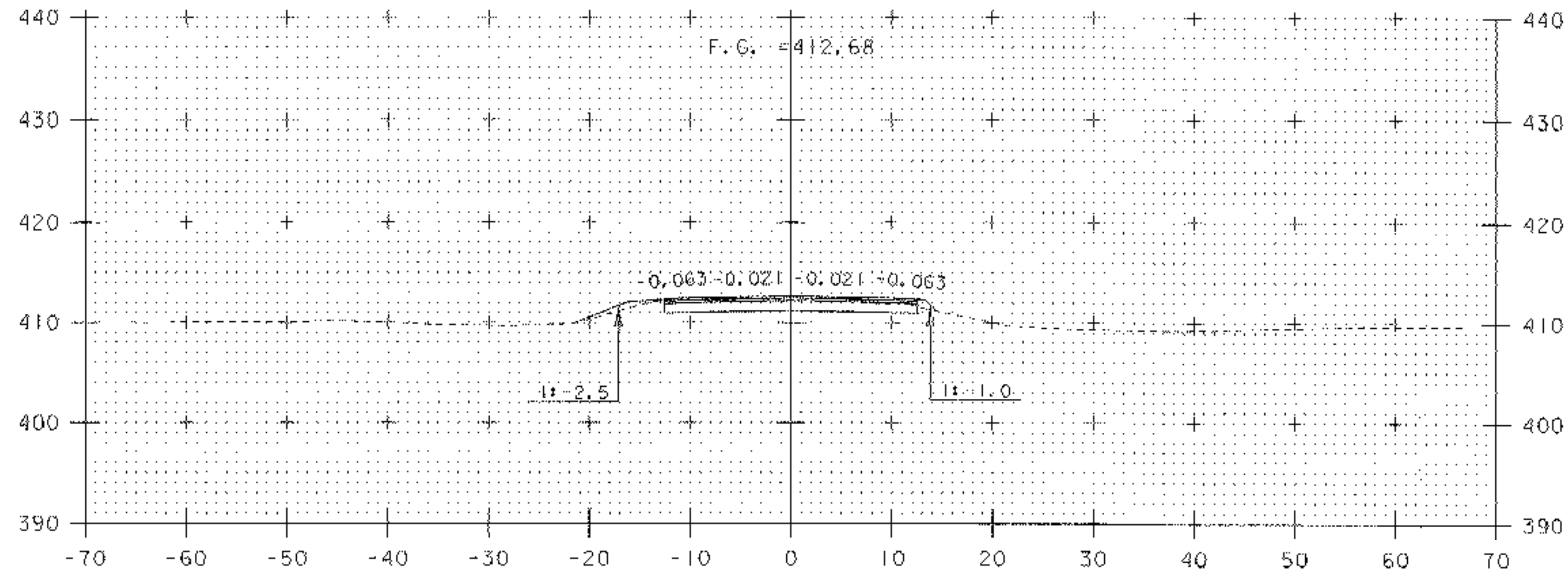


11+75

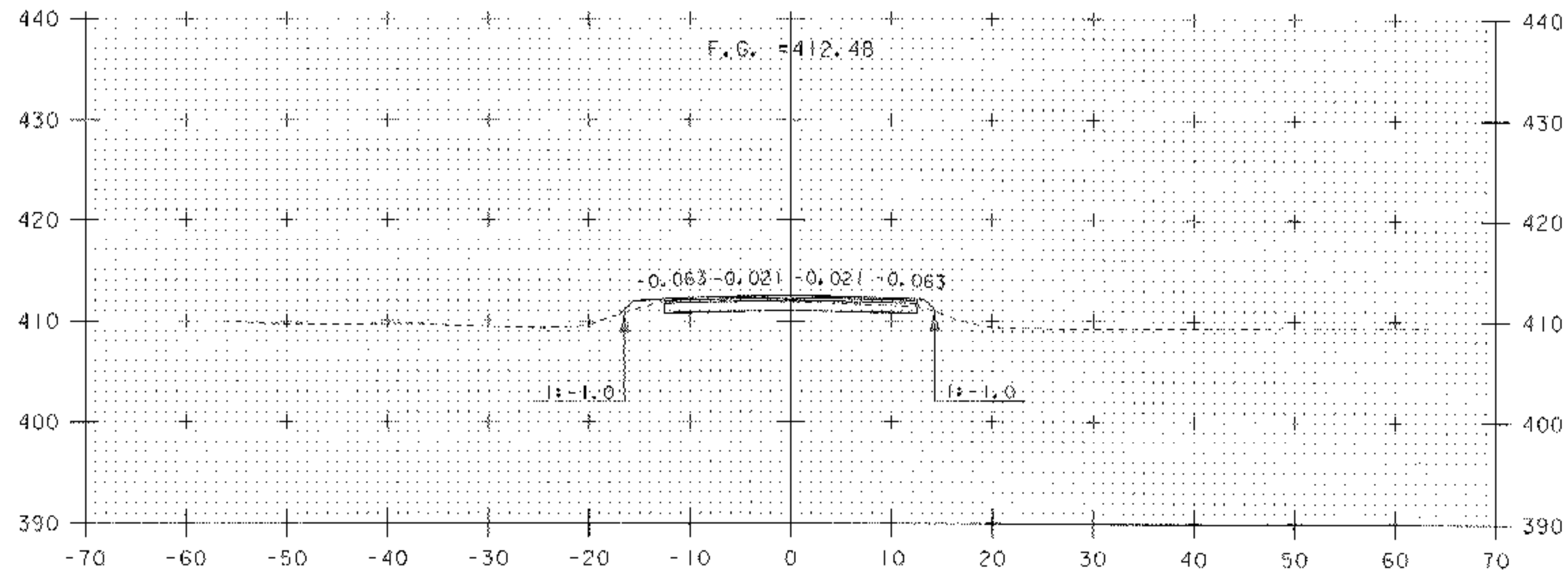


PROJECT NAME:	HUBBARDTON
PROJECT NUMBER:	ST 0161(23)
FILE NAME:	PW/03c044/Design/d03c044xs
PROJECT LEADER:	K. UPMAL
DESIGNED BY:	J. DEVLIN
CROSS SECTIONS STA 11+25 - 12+00	
PLOT DATE:	23-MAR-2006
DRAWN BY:	J. DEVLIN
CHECKED BY:	R. DELLASANTA
SHEET	87 OF 92

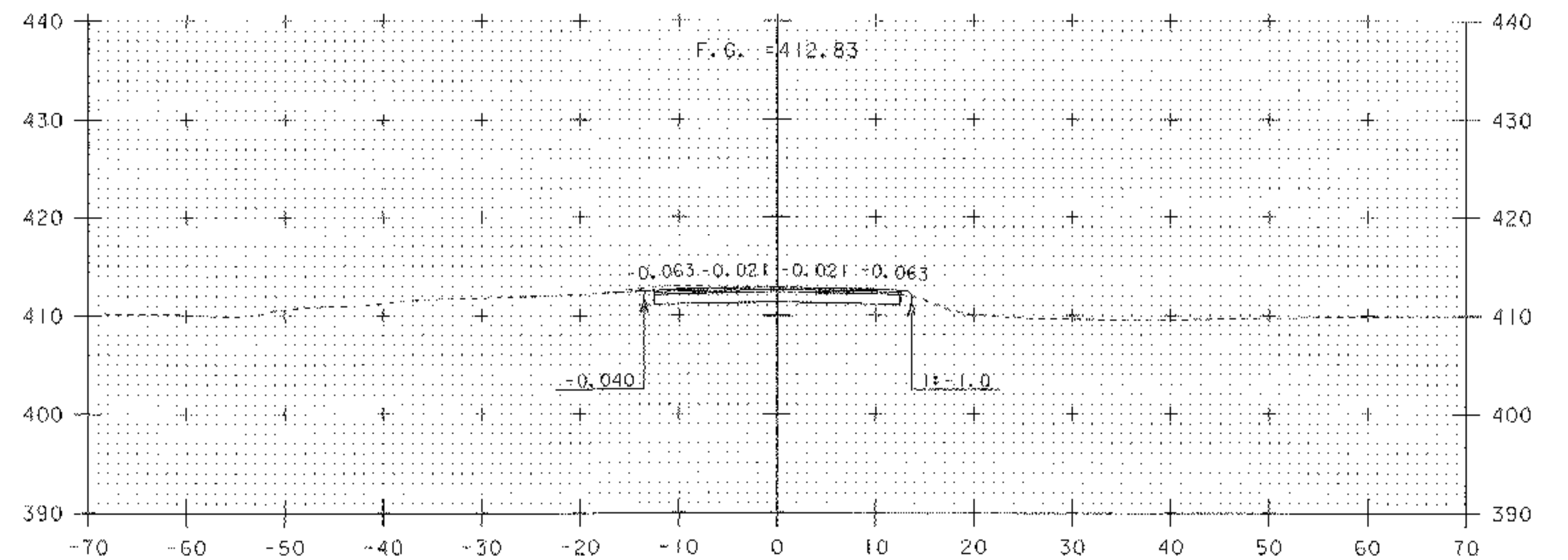
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 FINAL CROSS SECTIONS FOR HUBBARDTON ST 0161 (23)
 DONE BY JOSH HULETT FOUND IN THE ABOVE FILE.



12+50



12+25

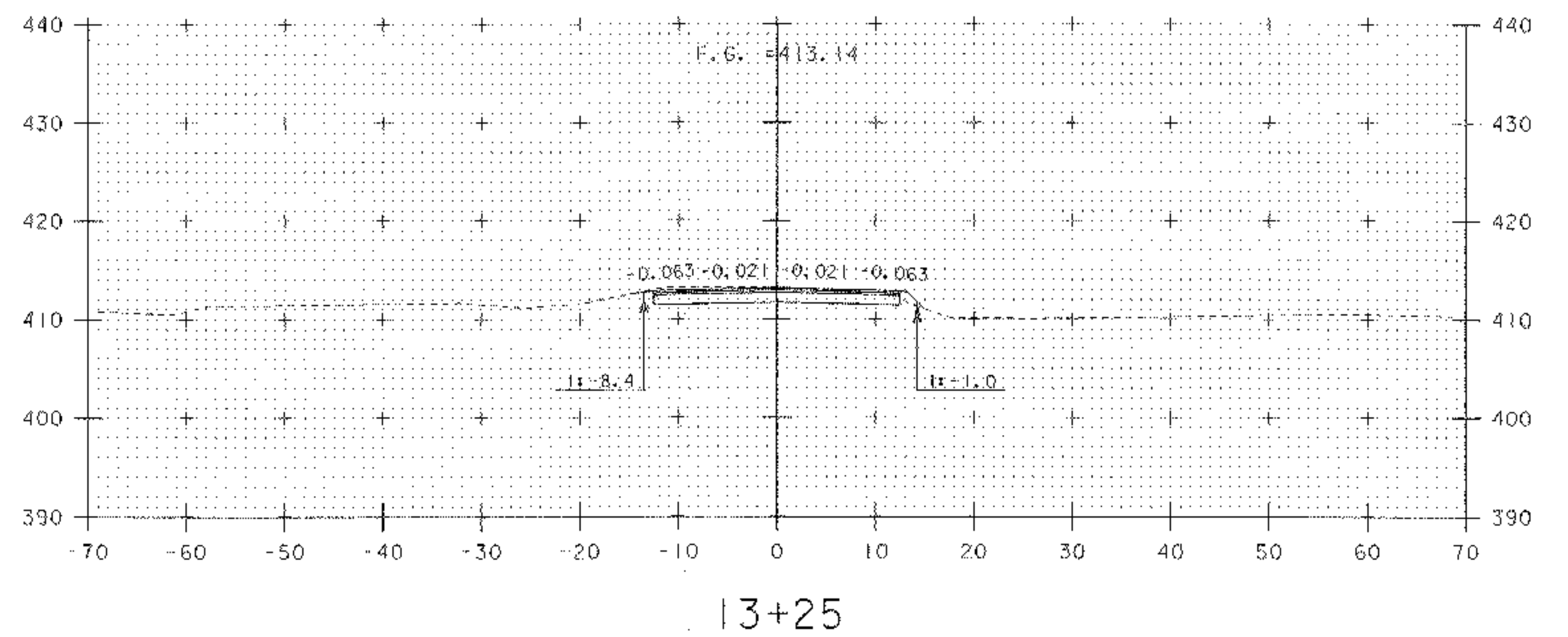
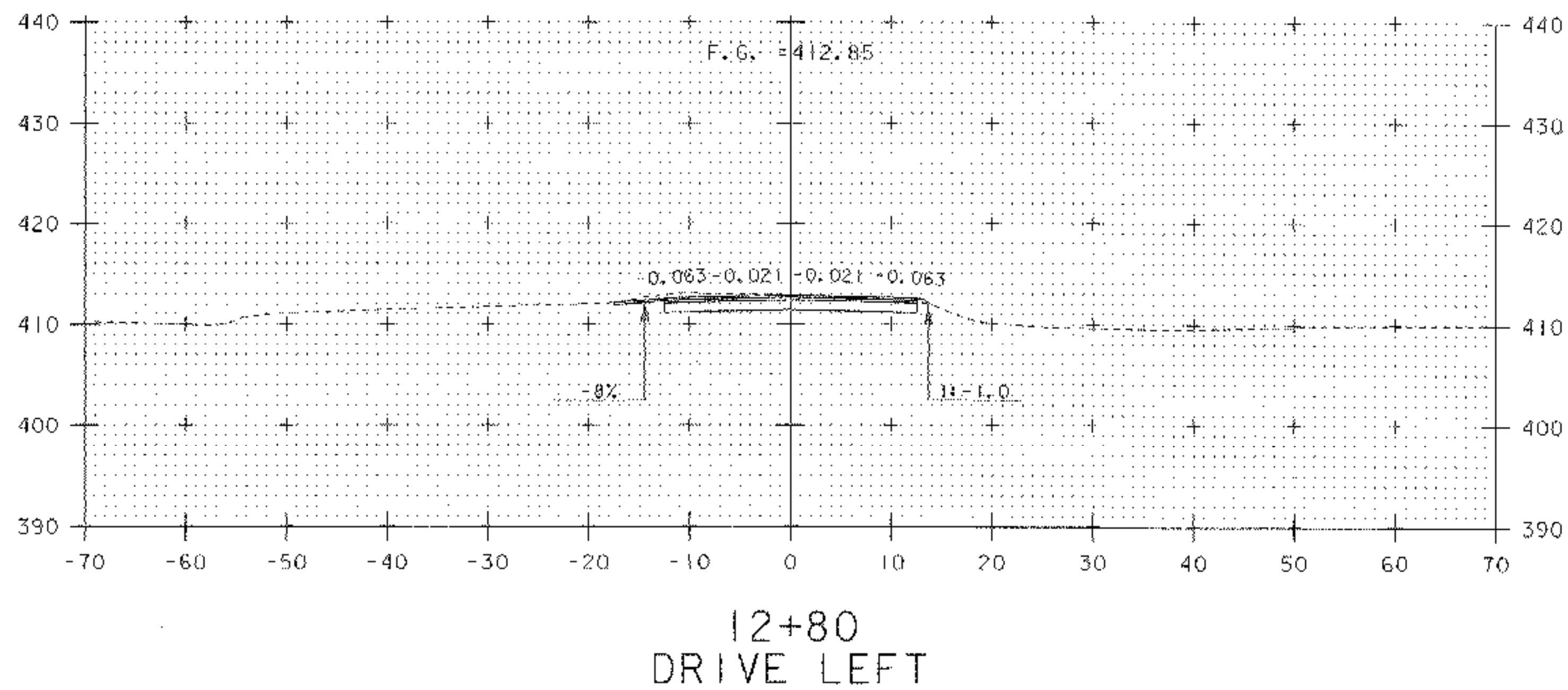
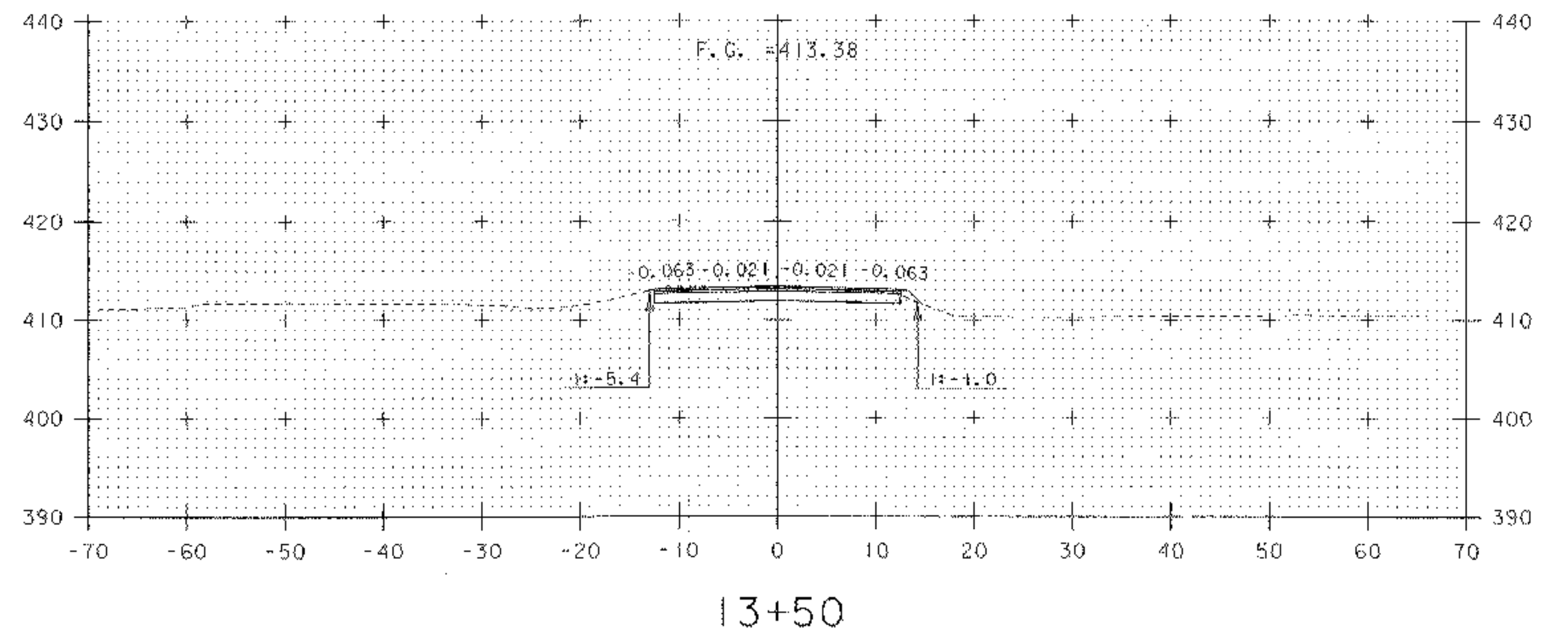
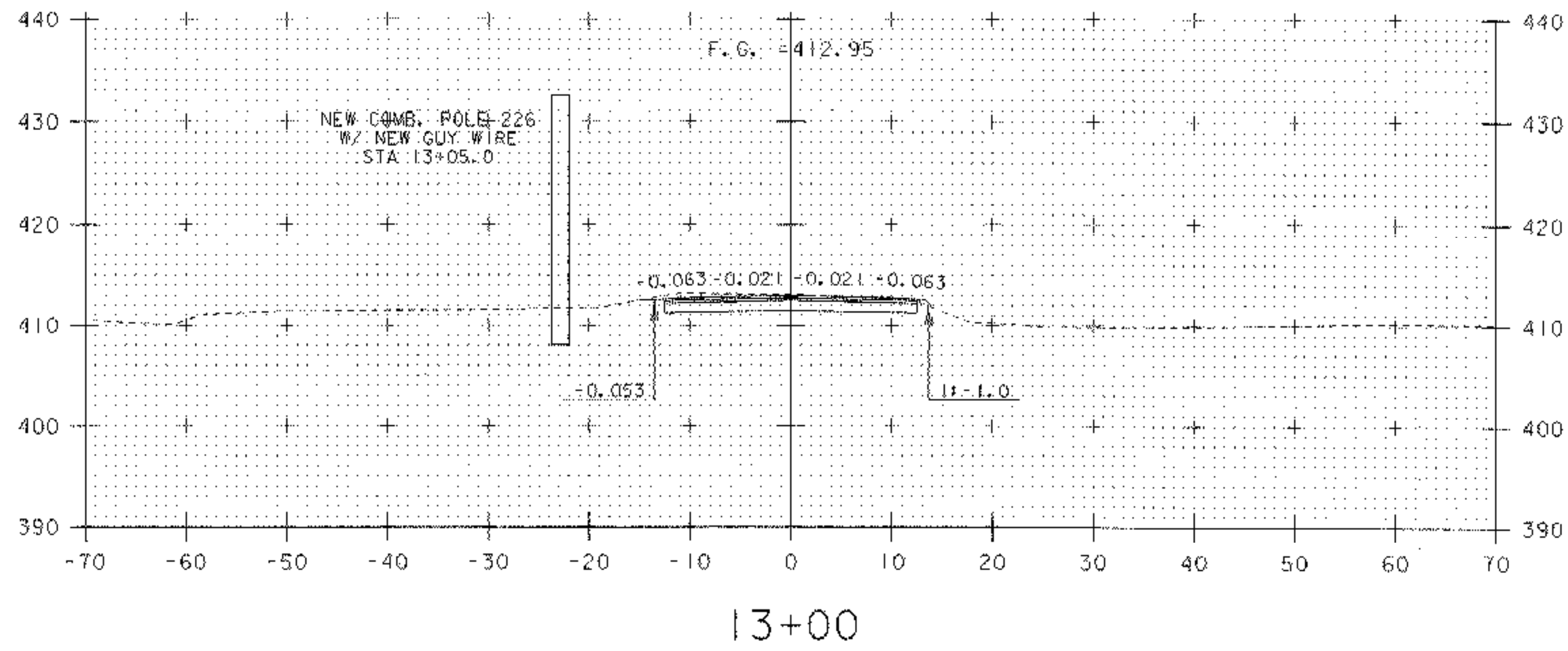


12+75



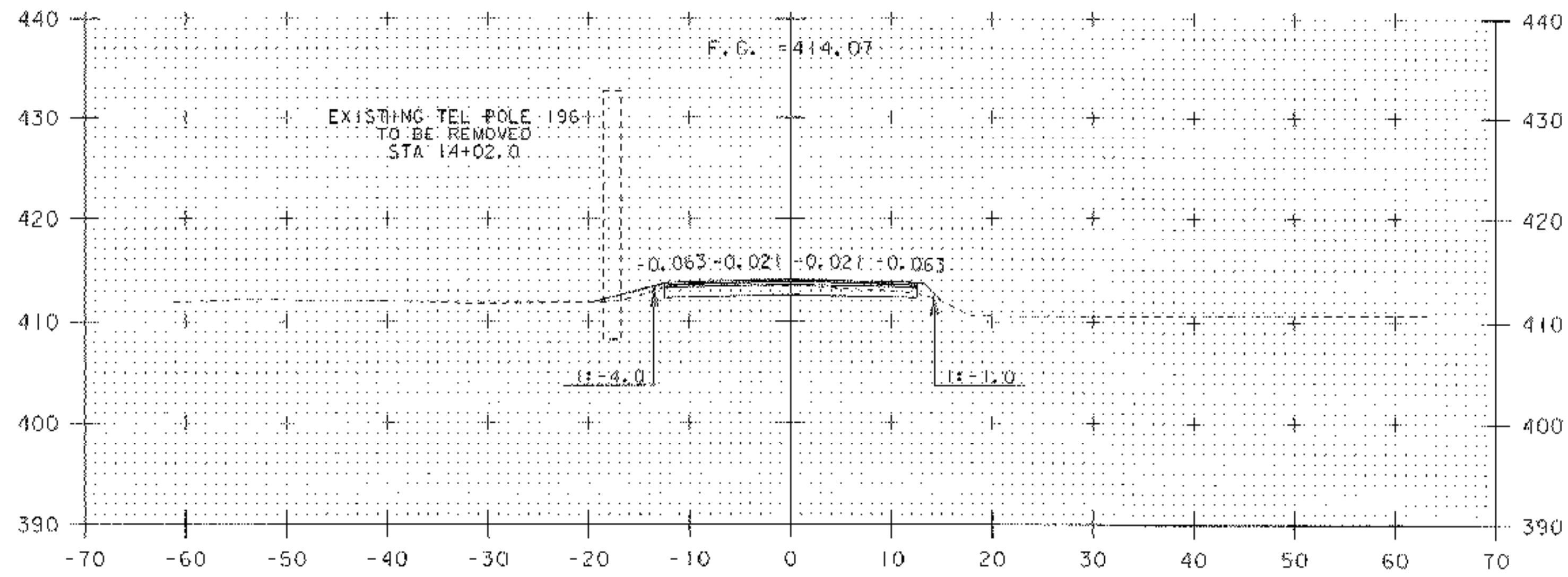
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PROJECT NUMBER:	ST 0161(23)	PROJECT LEADER:	K. UPMAI	DRAWN BY:	J. DEVLIN
		DESIGNED BY:	J. DEVLIN	CHECKED BY:	R. DELLASANTA
		CROSS SECTIONS STA	12+25 - 12+75	SHEET	88 OF 92

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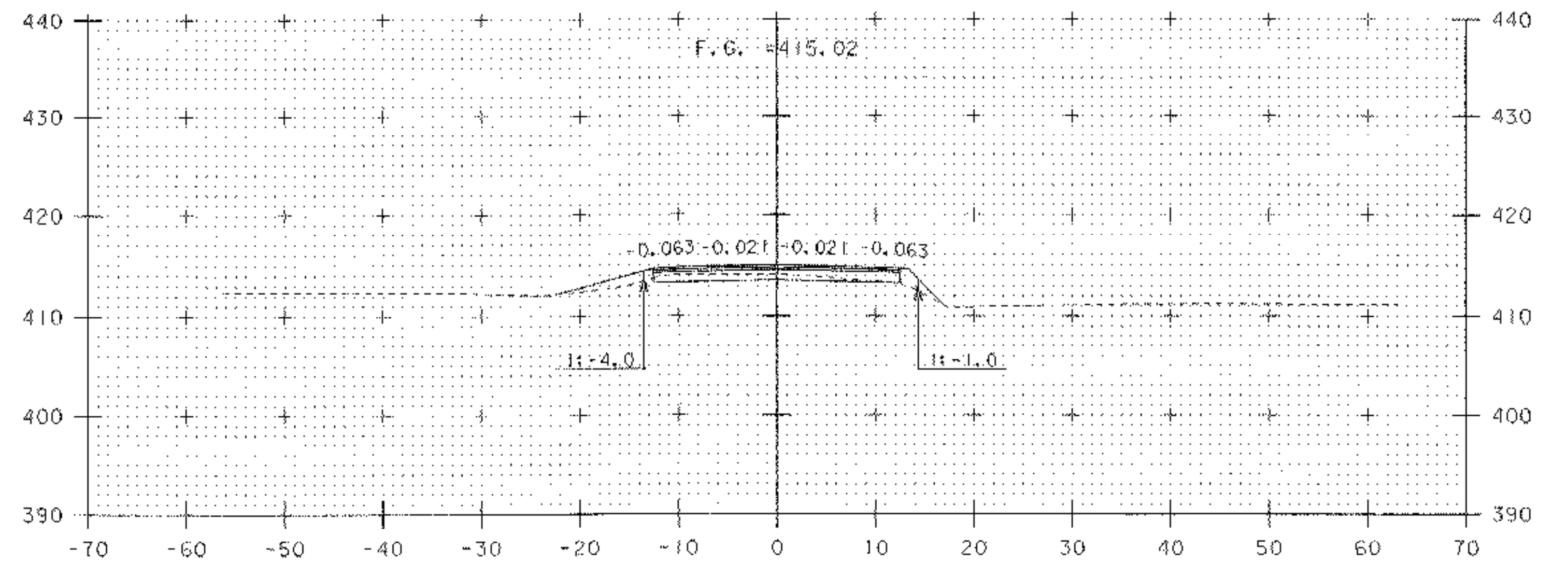


PROJECT NAME:	HUBBARDTON	PLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW/03c044/Design/d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA	12+80 - 13+50
DESIGNED BY:	J. DEVLIN	SHEET	89 OF 92

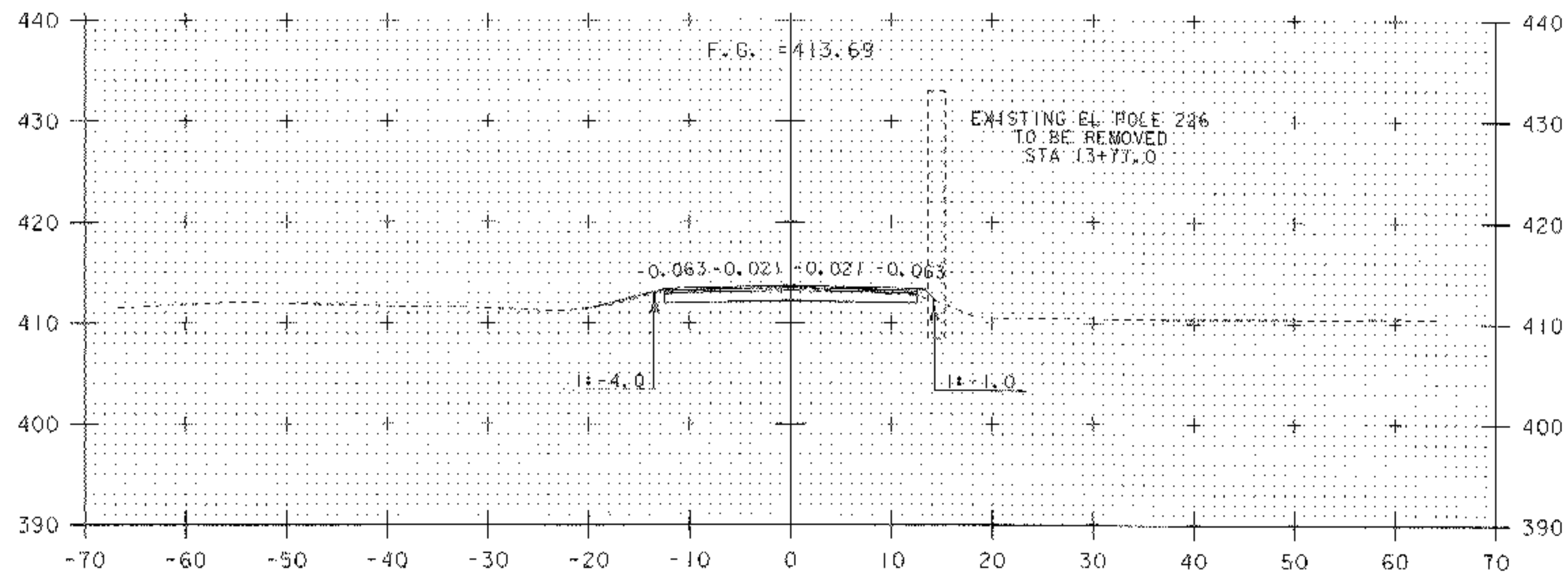
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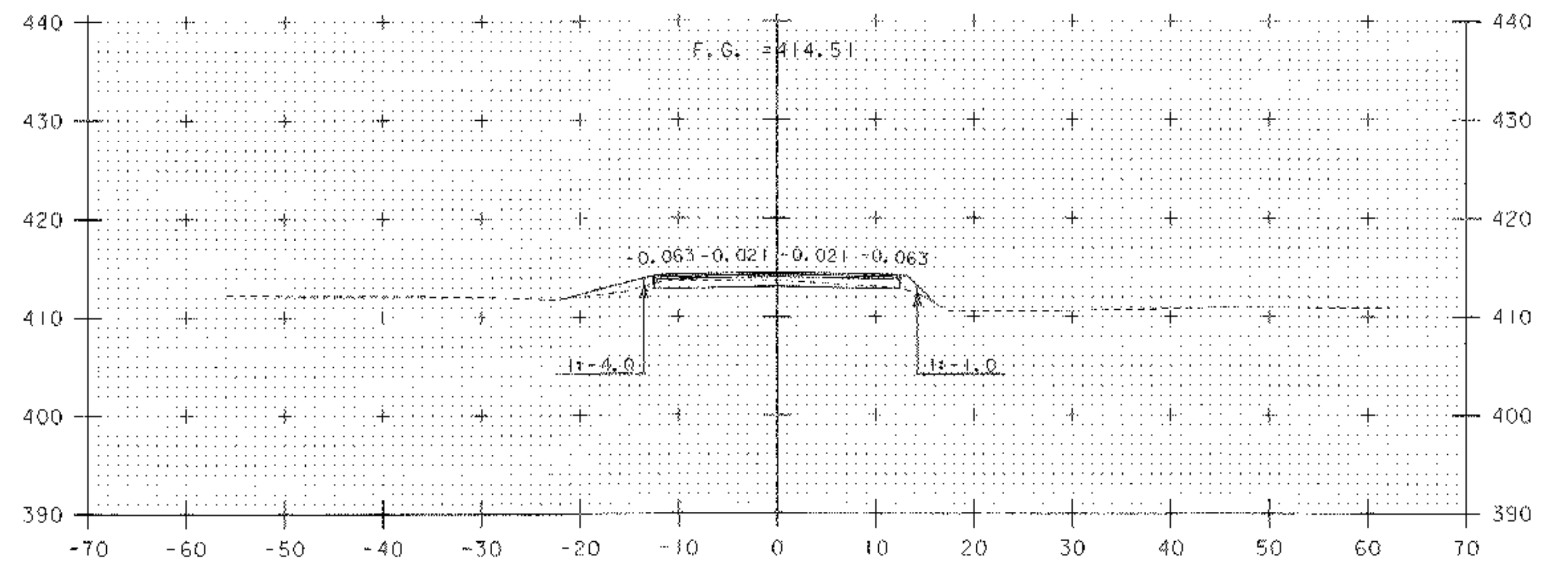
14+00



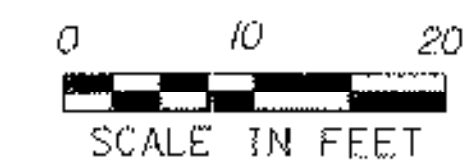
14+50



13+75

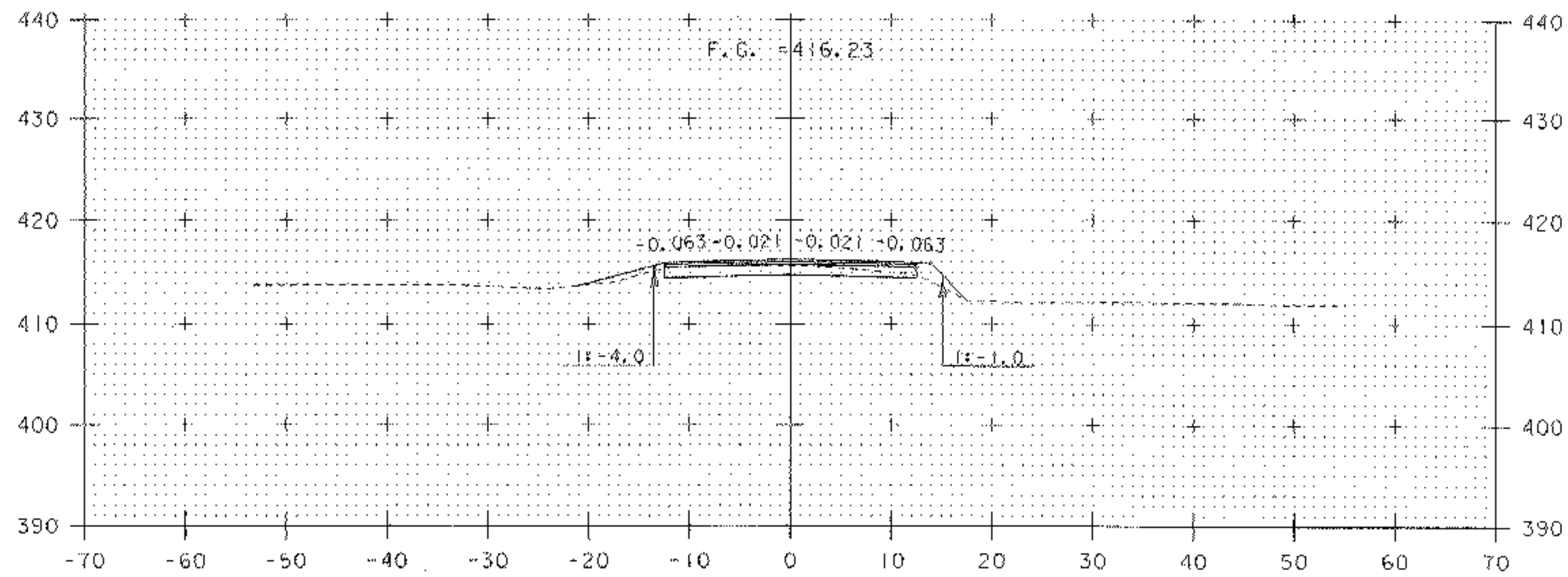


14+25

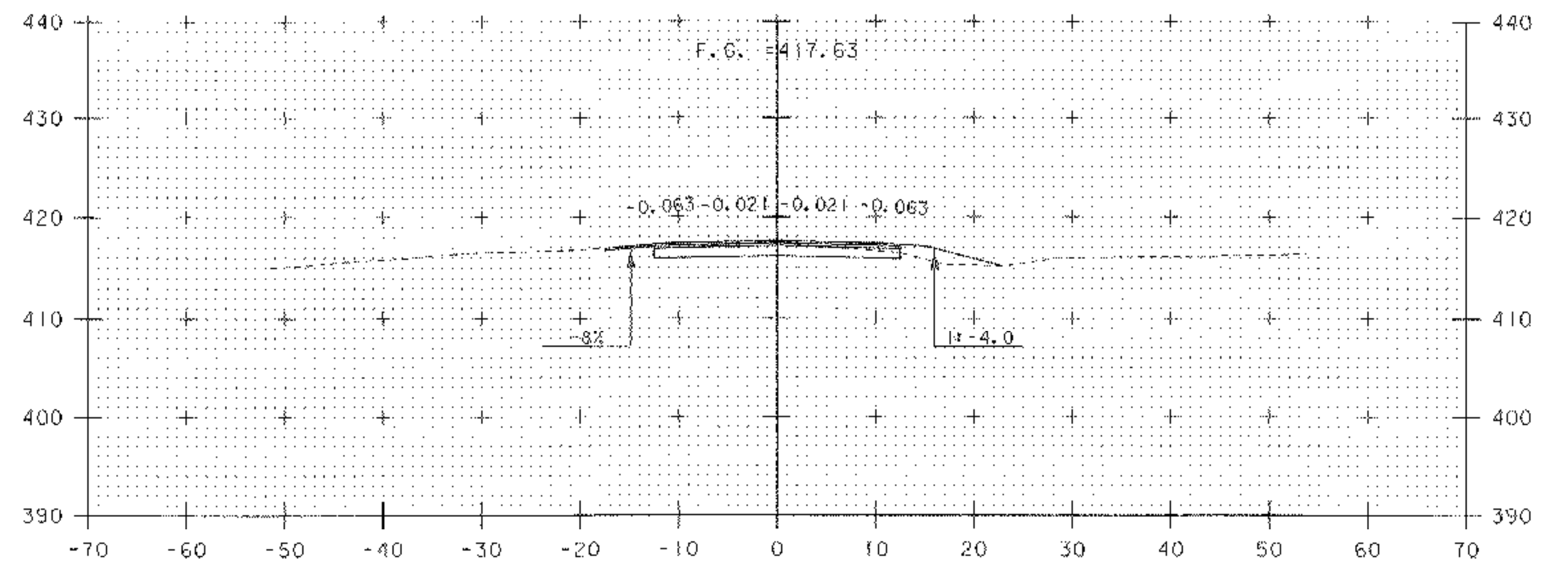


PROJECT NAME:	HUBBARDTON	PLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	P:\03c044\Design\d03c044xs	DESIGNED BY:	J. DEVLIN
PROJECT LEADER:	K. UPMAL	CHECKED BY:	R. DELLASANTA
CROSS SECTIONS STA 13+75 - 14+50		SHEET	90 OF 92

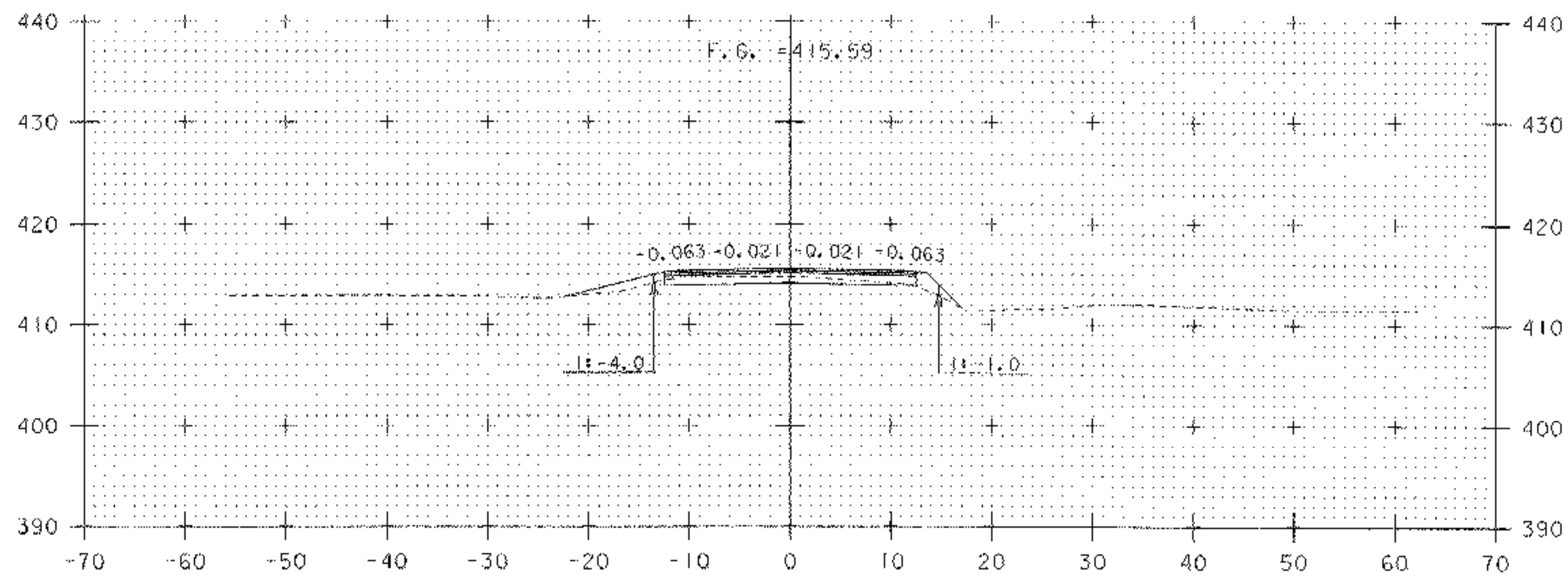
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 FINAL CROSS SECTIONS FOR HUBBARDTON ST 0161 (23)
 DONE BY JOSH HULETT FOUND IN THE ABOVE FILE.



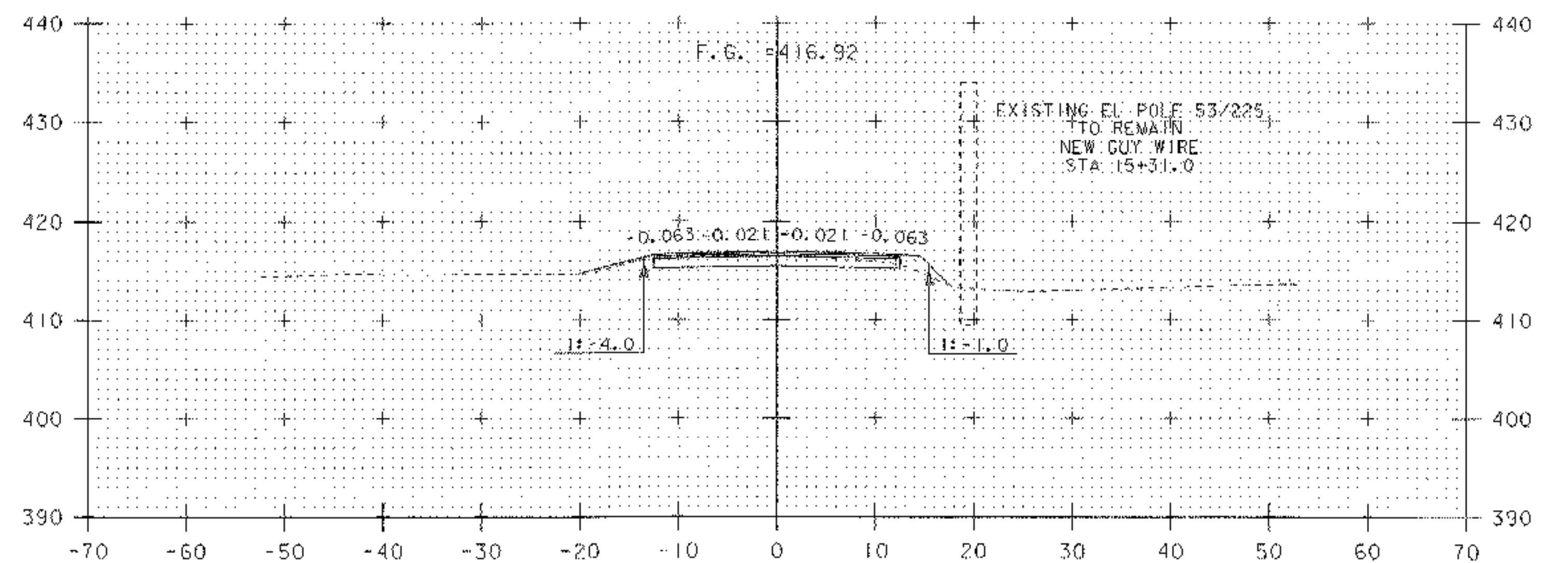
15+00



15+50
DRIVE LEFT



14+75

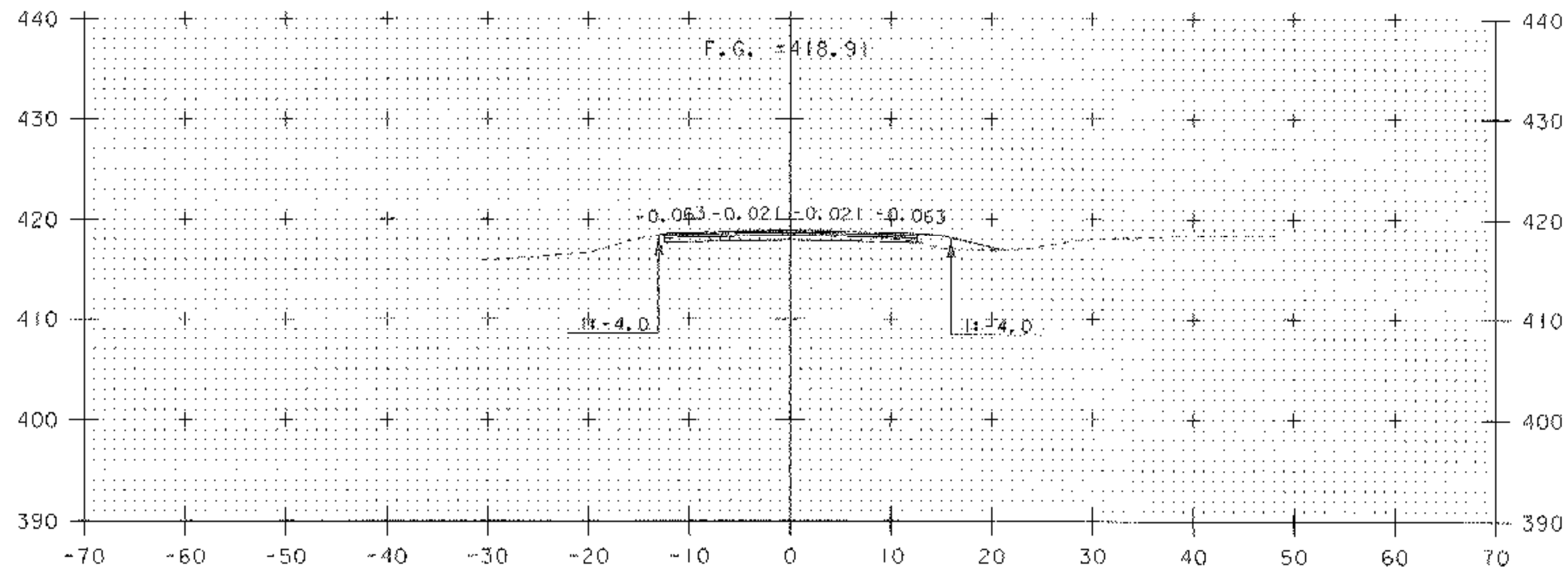


15+25

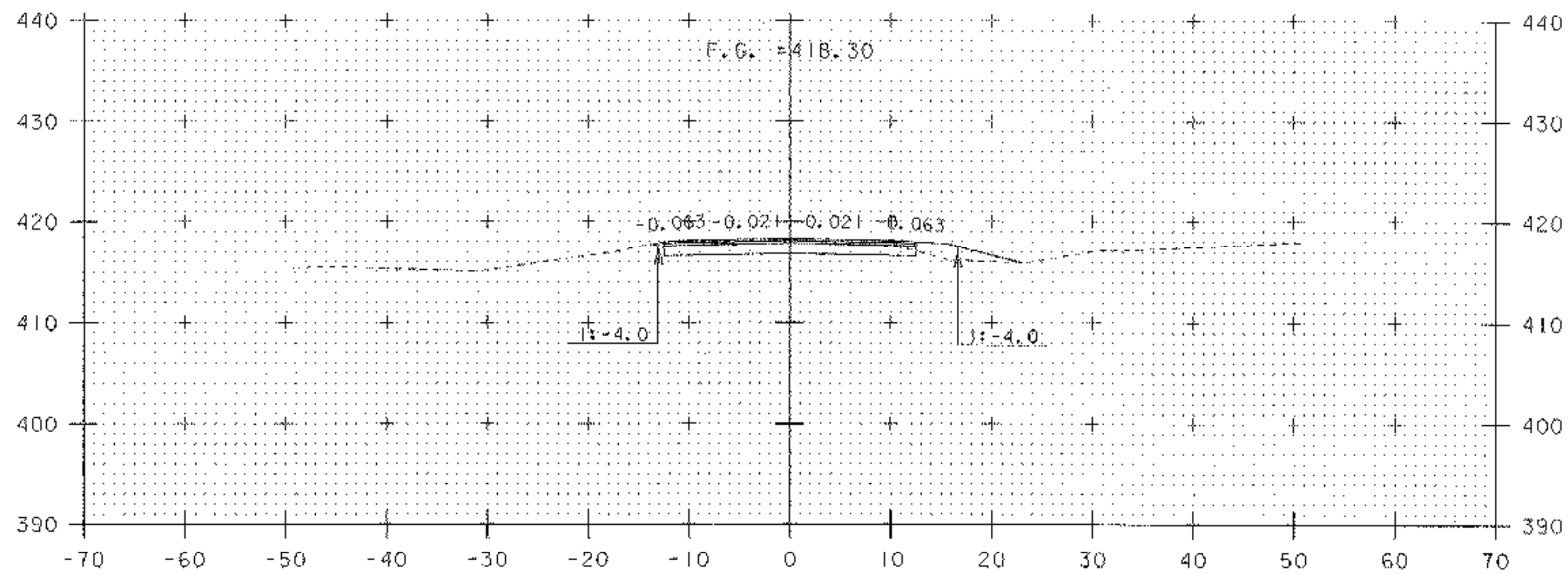


PROJECT NAME:	HUBBARDTON	PLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 0161(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW/03c044/Design/d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAZ	CROSS SECTIONS STA	14+75 - 15+50
DESIGNED BY:	J. DEVLIN	SHEET	91 OF 92

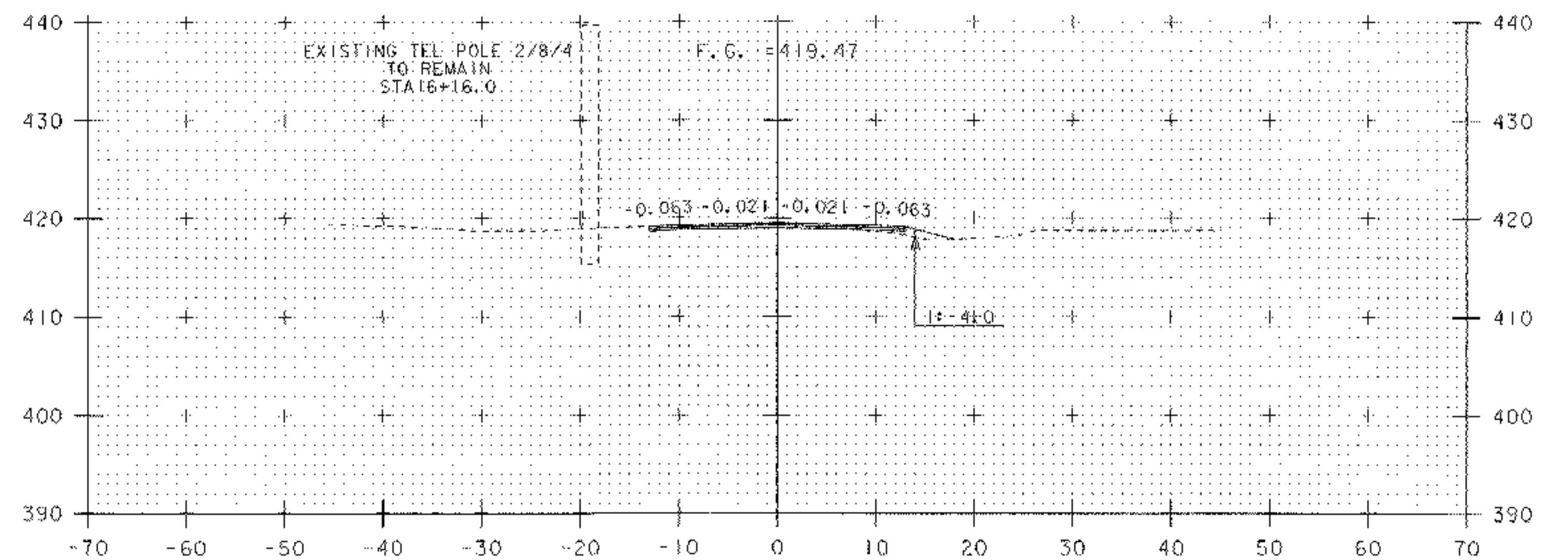
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 FINAL CROSS SECTIONS FOR HUBBARDTON ST 0161 (23)
 DONE BY JOSH HULETT FOUND IN THE ABOVE FILE.



16+00

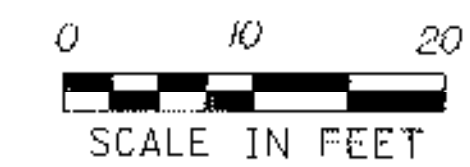


15+75



16+25

END PROJECT
 MATCH STP 2402 (1) S STA 101+23.50



PROJECT NAME:	HUBBARDTON	PLOT DATE:	21-MAR-2006
PROJECT NUMBER:	ST 016(23)	DRAWN BY:	J. DEVLIN
FILE NAME:	PW/03c044/Design/d03c044xs	CHECKED BY:	R. DELLASANTA
PROJECT LEADER:	K. UPMAL	CROSS SECTIONS STA 15+75 - 16+25	SHEET 92 OF 92
DESIGNED BY:	J. DEVLIN		