

EXISTING BRIDGE DATA

BRIDGE WIDTH: 13'-0"
 ROADWAY: 11'-0"
 CLEAR SPAN: 30'-0"
 BRIDGE LENGTH: 32'-6" BEAM
 CLEAR HEIGHT: 11'-0"
 STRUCTURE IS A TWO STEEL BEAM
 BRIDGE WITH CONCRETE DECK.
 SUBSTRUCTURE IS CONCRETE.

REV 22 - 17 - 55 LT
 NEW 16' X 18' CSP (GROSS)
 W/ METAL END SECTIONS & INLET & OUTLET
 STONE LINED DITCHES @ INLET & OUTLET

REV POT STA 23 + 09.25 -
 SURV TRAV POT
 STA 23 + 09.49 -
 CHAN STA 5 + 00
 Δ = 78' - 11" RT

REV CURVE DATA

Δ = 25°
 D = 12'
 R = 477.46
 T = 105.85
 L = 208.33
 E = 14.59
 BANK = 0.021 FT / FT

ANCHOR FOR STEEL BEAM RAIL

REV 22 + 44.9 LT ✓
 REV 22 + 75.8 RT ✓
 REV 24 + 03.2 LT ✓
 REV 24 + 39.0 RT ✓

BRIDGE RAILING - HD STEEL BEAM (FASCIA MTD)

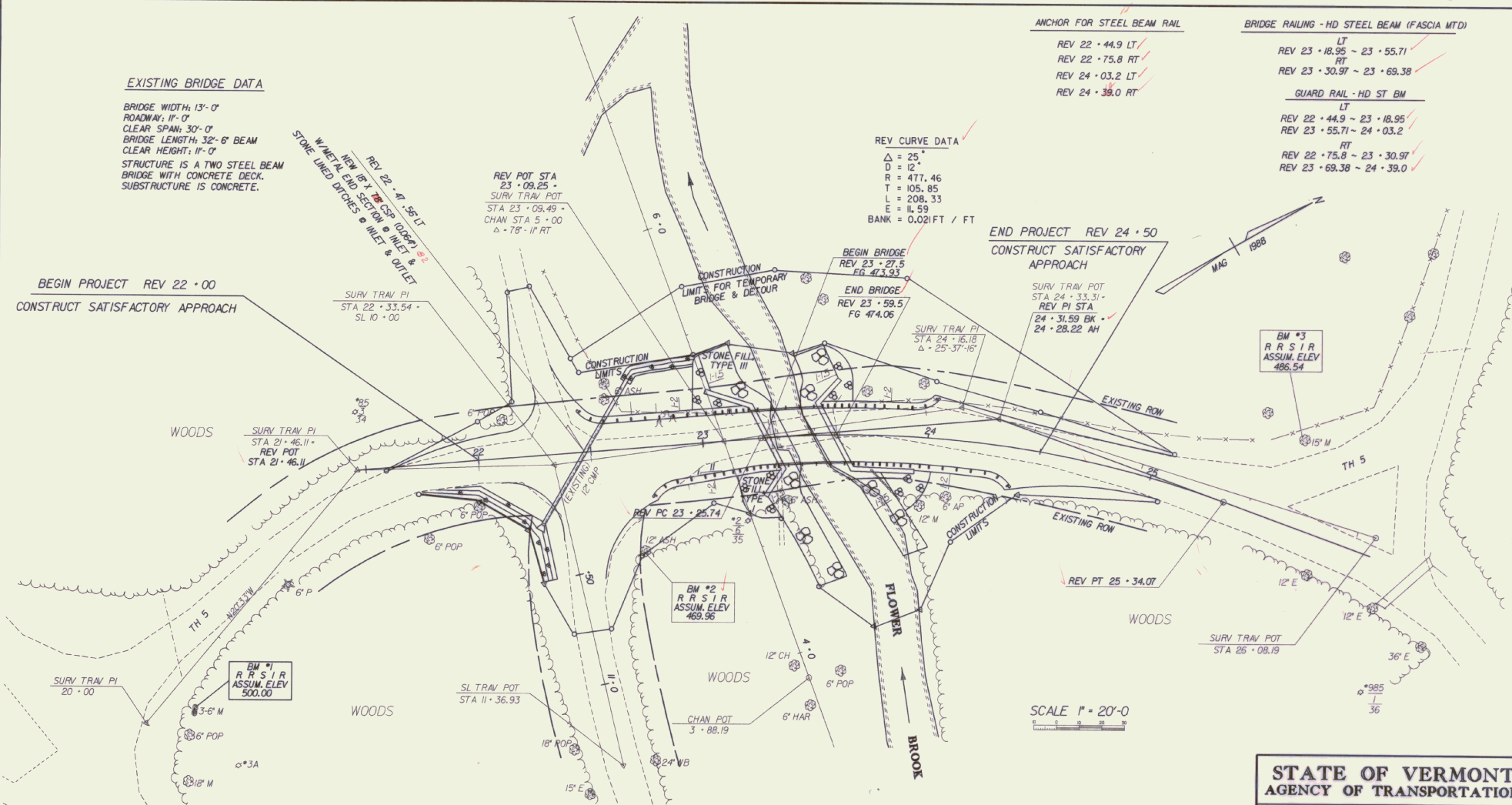
LT
 REV 23 + 18.95 ~ 23 + 55.71 ✓
 RT
 REV 23 + 30.97 ~ 23 + 69.38 ✓

GUARD RAIL - HD ST BM

LT
 REV 22 + 44.9 ~ 23 + 18.95 ✓
 REV 23 + 55.71 ~ 24 + 03.2 ✓
 RT
 REV 22 + 75.8 ~ 23 + 30.97 ✓
 REV 23 + 69.38 ~ 24 + 39.0 ✓

END PROJECT REV 24 + 50
 CONSTRUCT SATISFACTORY
 APPROACH

BEGIN PROJECT REV 22 + 00
 CONSTRUCT SATISFACTORY APPROACH



SCALE 1" = 20'-0"

SURV TRAV PI 20 + 00 3-6' M 18' M	SURV PI STA 21 + 46.11 - REV POT STA 21 + 46.11 6' POP 18' POP	SURV PI 22 + 33.54 - SL 10 + 00 6' POP 6' ASH	SL TRAV POT STA 11 + 36.93 18' POP 14.27 24' WB 15' E	SURV POT 23 + 09.49 - CHAN STA 5 + 00 12' CH 38.24 35.72 6' ASH	CHAN POT 3 + 88.19 6' HAR	SURV TRAV PI STA 24 + 16.18 47.38 40.27 12' M 6' POP	SURV TRAV POT STA 26 + 08.19 34.33 30.97 12' E 12' E 36' E
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**STATE OF VERMONT
 AGENCY OF TRANSPORTATION**

Town Of **DANBY** Bridge No. **32**
 Highway No. **TH 5, CL III** Log Sta. **23 + 50**
TH 5 OVER THE FLOWER BROOK
 SURVEY LAYOUT
 Drawn By **R WHITCOMB**
 Checked By **P MAZA** Date **10/89** Bridge Design Supervisor **D E LATHROP** Date **8/89**
 PROJECT **DANBY** PROJECT NO. **BRZ 1441(20)**
 I.C. Info. **ZHIL303187JH46DGI** PRF.87JH46LAY
 Bridge Sheet No. **2** of **25**

SEEDING FORMULA

RURAL AREAS

X OF WT.	LBS./ACRE	NAME	PURITY %	GERM. %
3.33	2	CROWN VETCH	99	75
50.00	30	CREEPING RED FESCUE	99	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS	99	85
8.34	5	(VAR. PENNINE)	99	85
8.33	5	ALFA ALFA (VAR. SARINACI)	98	85
5.00	3	BROCKTON TREFOIL	98	85
5.00	3	(VAR. EMPIRE)	98	85
50.00	60	HIGHLAND BENT GRASS	92	85

THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE FROM ALL NOXIOUS WEED SEEDS.

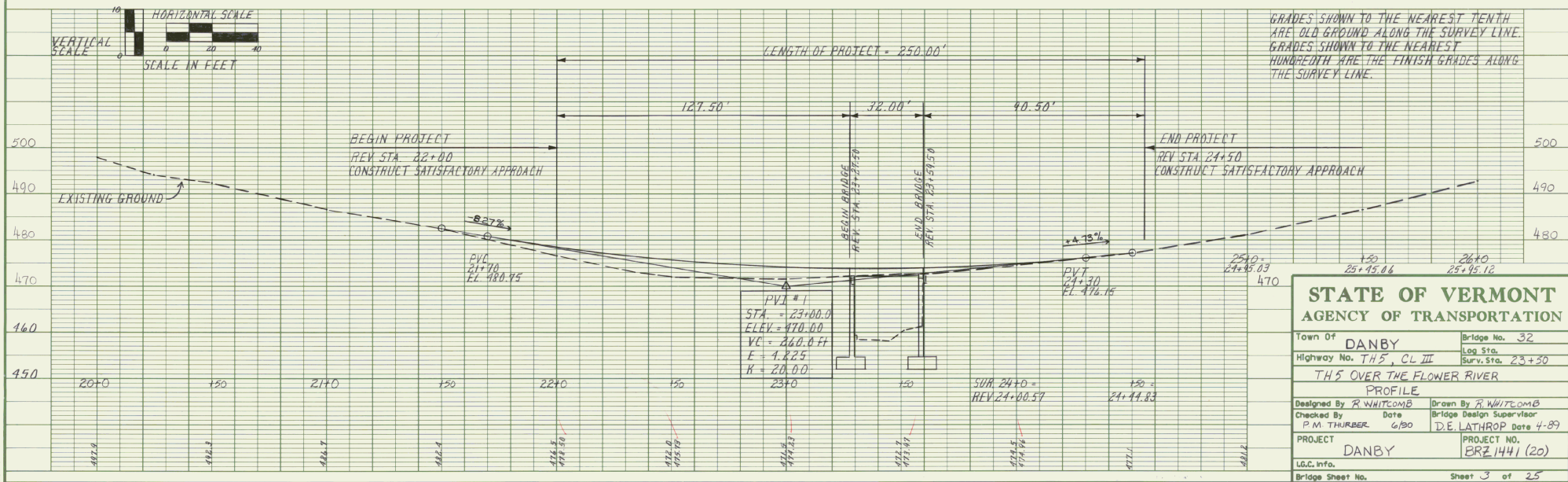
FERTILIZER SHALL BE MIXED AS FOLLOWS:
 NITROGEN 10%
 PHOSPHORUS 30%
 POTASH 10%

FOR SANDY SOILS, THE FERTILIZER MIX SHOULD BE CHANGED TO:
 NITROGEN 10%
 PHOSPHORUS 30%
 POTASH 30%

RATE OF APPLICATION:
 SEED 60 LBS./ACRE
 FERTILIZER 500 LBS./ACRE
 HAY MULCH 2 TON/ACRE
 LIMB 2 TON/ACRE

FINAL HYDRAULIC DATA

Drainage Area = 6.44 Sq. Mi.
 Q_{2.33} = 350 cfs HW. Elev. = 461.2
 Q₁₀ = 760 cfs " " = 463.1
 Q₂₅ = 1000 cfs " " = 464.0
 Q₅₀ = 1200 cfs " " = 464.7
 Q₁₀₀ = 1400 cfs " " = 465.4
 Tailwater Depth @ Q₂₅ = 4.1'
 Outlet Velocity @ Q₅₀ = 8.4 fps



STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of **DANBY** Bridge No. **32**
 Highway No. **TH5, CL III** Log Site. **23+50**
TH5 OVER THE FLOWER RIVER
 PROFILE

Designed By **R. WHITCOMB** Drawn By **R. WHITCOMB**
 Checked By **P. M. THURBER** Date **6/90** Bridge Design Supervisor **D. E. LATHROP** Date **4-89**

PROJECT **DANBY** PROJECT NO. **ERZ 1441 (20)**
 L.O.C. info.
 Bridge Sheet No. **Sheet 3 of 25**

DRAWING 64-230-231A

EARTHWORK

VC.	% GRD	GRADES				COMMON EXCAVATION		FILL		SUBBASE OF GRAVEL		SUBBASE OF CRUSHED GRAVEL	
		STATION	ELEVATION ON TAN.	ELEVATION ON VC.	CORR. V.C.	DIST.	AREA	CU. YDS.	AREA	CU. YDS.	AREA	CU. YDS.	AREA
		MAINLINE (TH 5)											
		TRAV 21+50	486.7										
		21+70	480.75	480.75	0	50			21		21		9
		TRAV 22+00	478.27	478.50	+0.23			23		23		10	32
		22+50	474.13	475.73	+1.60			150	160	49	67	2.4	
		22+77.50	471.86	474.75	+2.89	22.50		157	156		80		38
		PVI 23+00	470.00	474.23	+4.23	27.50				37	38	17	17
		23+27.50	471.30	473.93	+2.63		BEGIN	BRIDGE		37		17	
		23+50	472.37	473.97	+1.60								
		23+59.50	472.82	474.06	+1.24	28	END	BRIDGE		31		15	
		24+00	474.73	474.96	+0.23	41.10		56		50		2.4	
		24+00.60	474.76	474.98	+0.22	45				35		16	
		24+30	476.15	476.15	0	44.28		70			66		13
		24+44.83	476.85			40				45		0	
		24+50	477.10			50.29		37			42		
		24+95.03	479.23			0				0			
						163 CY		337 CY		364 CY		133 CY	
		SIDELINE (TH II)											
		APPROACH @ TRAV STA 22+33.54											
		TRAV 10+00	475.87			0		0		0		0	
		10+15	475.55	475.55	0	25		3	26		9		5
		10+25	475.34	475.40	+0.06		6	50		19		10	4
		10+32	475.19	475.37	+0.18		6	2	200	33		23	
		10+50	474.82	475.53	+0.71	18	0	2	40	80		22	10
		PVI 10+65	474.50	476.08	+1.58	25			19		14		5
		10+75	475.55	476.56	+1.01				0		9		0
		11+00	478.18	478.32	+0.14			7 CY	158 CY		59 CY		25 CY
		11+15	479.75	479.75	0								
		DRIVE APPROACH @ REV. 22+33.60 LT.											
								0	165 CY		56 CY		0
									170 CY		660 CY		479 CY
													158 CY
													2
									170 CY		660 CY		480 CY
													100 CY
		EARTHWORK SUMMARY:											
		PLANIMETERED FILL: 660 CY											
		FILL FACTOR (0.15): 99 CY											
		759 CY											
		MATERIAL AVAILABLE FOR FILL:											
		COMMON EXCAVATION 170 x (1.0) = 170 CY											
		UNCLASSIFIED EXCAVATION 446 x (0.4) = 178 CY											
		STRUCTURE EXCAVATION 890 x (0.6) = 534 CY											
		TOTAL MATERIAL AVAILABLE: 972 CY											
		TOTAL FILL REQUIRED: 759 CY											
		WASTE: 213 CY											

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

QUANTITY BREAKDOWN

NO.	ITEM	UNIT	QUANTITY BREAKDOWN					TOTAL	FINAL
			SUPER-STRUCTURE	ABUT.#1	ABUT.#2	ROADWAY	CHANNEL		
203.15	COMMON EXCAVATION	CY				170		170	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY					450	450	
204.20	TRENCH EXCAVATION OF EARTH	CY				60		60	
204.25	STRUCTURE EXCAVATION	CY		450	450			900	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		320	340			660	
301.15	SUBBASE OF GRAVEL	CY				480		480	
301.26	SUBBASE OF CRUSHED GRAVEL (FINE GRADED)	CY				160		160	
501.25	CONCRETE, CLASS B	CY	50	172	194			416	
507.15	REINFORCING STEEL	LB	8180	19200	20350			47770	
514.10	WATER REPELLENT	GAL	8	7	8			23	
525.41	BRIDGE RAILING - HD68/FASCIA MOUNTED	LF	75					75	
528.10	ONE-WAY TEMPORARY BRIDGE	LS				1		1	
529.20	PARTIAL REMOVAL OF STRUCTURE	EA				1		1	
601.0015	18" CSP 0.064 (2-2/3 x 1/2)	LF				78		78	
601.6015	18" CSP END SECTION 0.064	EA				1		1	
613.10	STONE FILL, TYPE I	CY		20	30	40		90	
613.12	STONE FILL, TYPE III	CY					330	330	
620.50	REMOVING AND RESETTING FENCE (MOD)	LF				262		262	
621.21	HEAVY DUTY STEEL BEAM GUARD RAIL	LF				281		281	
621.60	ANCHOR FOR STEEL BEAM RAIL	EA				4		4	
621.80	REMOVAL AND DISPOSAL OF GUARD RAIL	LF				230		230	
631.16	TESTING EQUIPMENT, CONCRETE	LS				1		1	
635.10	MOBILIZATION	LS				1		1	
649.10	GEOTEXTILE FABRIC FOR FILTERS	SY		200	190			390	
651.40	GRUBBING MATERIAL	SY		110	140			250	

BRIDGE (S) AT STATION (S) (REV) 23+50
LOCATION (S) TH 5 OVER FLOWER BROOK

Prepared by: G. F. COY
Checked by: B. WAZA
SUPERVISOR: D. E. LATHROP

DANBY
BR OF

PROJECT NO. BRZ 1441 (20)
SHEET NO. 4 OF 25

TABLE OF PROJECT PROPERTY ACQUISITION

STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 RIGHT OF WAY PLANS
 DETAIL SHEET

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY	
1A	HAUSER, FREDERICK V. HAUSER, JUNE J.	4	REV. 22+50 LT. REV. 22+30 LT. REV. 22+44 LT.	REV. 23+05 LT. REV. 22+71 LT.	0.02A±		DRIVE (T) DETOUR (T) 0.01A±	WDOE					783 S.F.± 270 S.F.±			<i>My plans to Structures 7-26-90</i>				
1B			REV. 22+73 RT. REV. 22+67 RT. REV. 22+67 RT.	REV. 24+28 RT. REV. 22+95 RT. REV. 22+87 RT.	0.13A±		CONST. (T) 270 S.F.± SLOPE (T) 198 S.F.±													
1C			REV. 22+00 RT. REV. 22+14 RT.	REV. 22+20 RT. REV. 22+22 RT.			CONST. (T) 170 S.F.± SLOPE (T) 20 S.F.±													
2A	BROWN, CORY J. & BIANCA H.	4	REV. 22+71 LT. REV. 22+69 LT.	REV. 24+00 LT. REV. 24+70 LT.	0.06A±		DETOUR (T) 0.09A±	WDOE	5-14-90	DARBY	44	95-6	2630 S.F.± 3875 S.F.±							
2B			REV. 23+60 RT. REV. 24+47 RT.	REV. 24+50 RT. REV. 24+87 RT.	0.04A±		CONST. (T) 140 S.F.±						1707 S.F.±							
3	CONTINENTAL TELEPHONE COMPANY OF VT.												UTILITY							
4	CENTRAL VT. PUBLIC SERVICE CORPORATION												UTILITY							

NOTE
 THIS SHEET IS FOR R.O.W. LIMIT DETAILS ONLY. REFER TO THE REMAINING PLAN SHEETS FOR ALL OTHER CONTRACT DETAILS.

ACCT. RYAN
 ZENETOJBTJ460.DGN
 PRN: 87J46DLPRF
 DATE PLOTTED 19-JAN-1990

DR. (T)- DRAINAGE RIGHT
 DIT. (T)- DITCHING RIGHT
 CH. (T)- CHANNEL RT.
 DRIVE (T)- DRIVE RIGHT
 CUL. (T)- CULVERT RIGHT
 [W]- WATER SOURCES

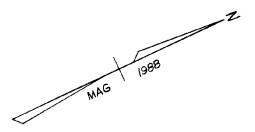
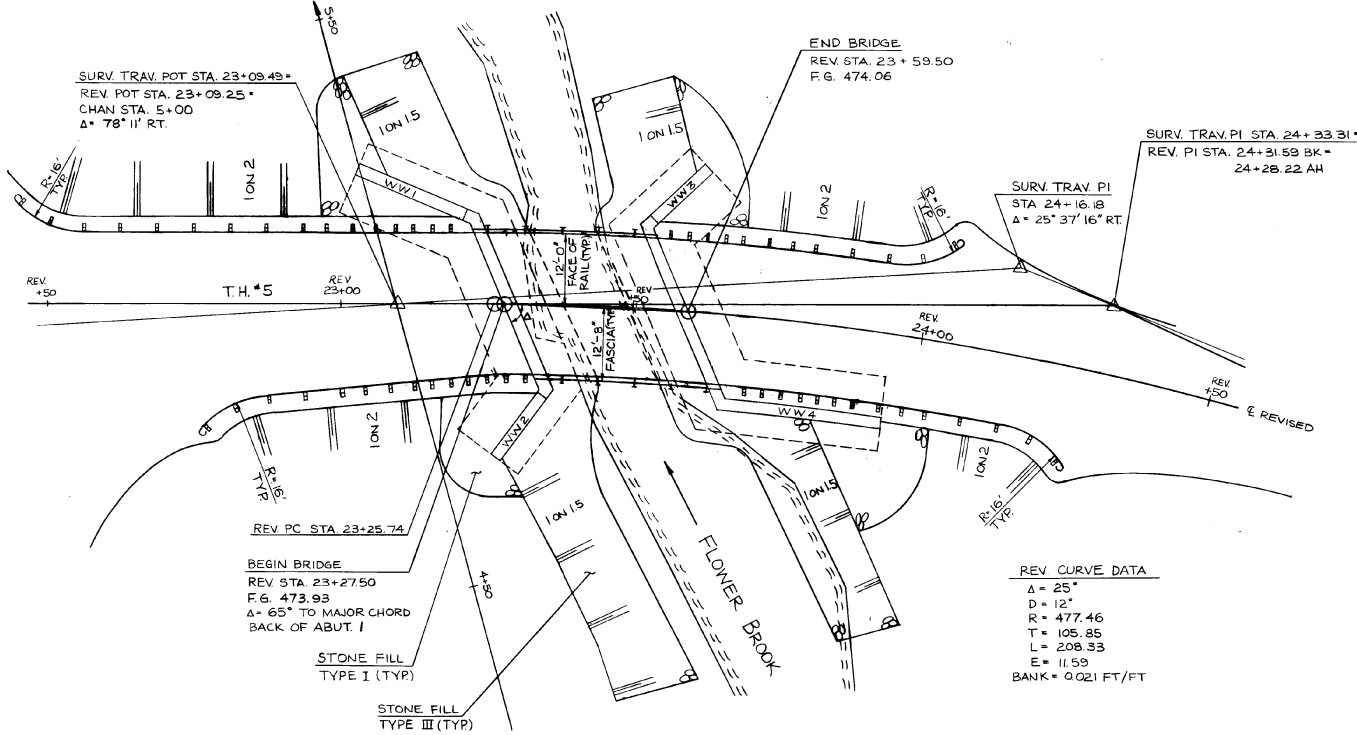
PRESENT R.O.W.
 TAKING WITHOUT ACCESS
 TAKING WITHOUT ACCESS ALONG PROPERTY LINE
 TAKING WITH ACCESS
 PERMANENT EASEMENT
 TEMPORARY EASEMENT

LEGEND

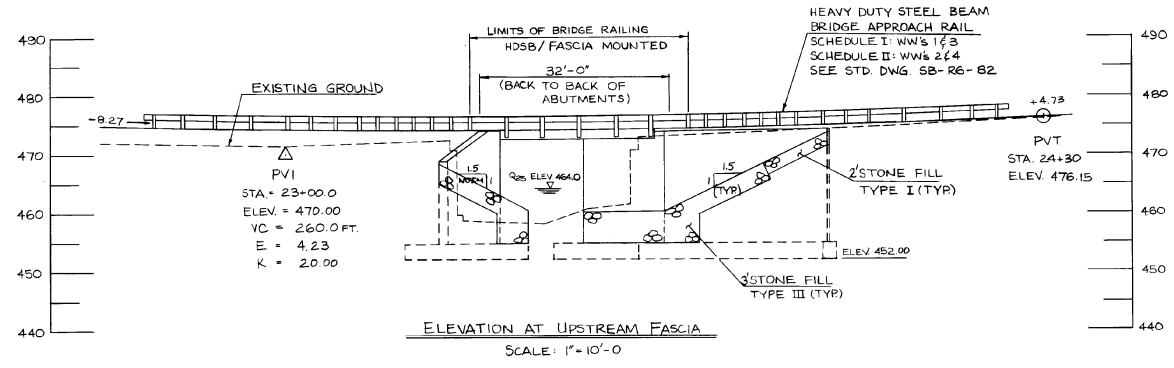
--- CONST. (T) --- CONSTRUCTION EASEMENT
 SR SR SLOPE RIGHTS
 P SR PROPERTY LINE
 L TOP OF CUT
 △ TOP OF SLOPE
 ○ TOE OF SLOPE

APPROVED: LAWRENCE BLISS, L.S. DATE: 1-19-90
 AGENT D. PLANS & TITLES

R. O. W. PLANS
 DANBY
 BRZ 1441 (20)
 SHEET 5 OF 25



SCALE 1" = 10'-0"



STATE OF VERMONT AGENCY OF TRANSPORTATION	
Town Of DANBY	Bridge No. 32
Highway No. TH 5, CL III	Log Sta. Surv. Sta. 23+50
TH 5 OVER FLOWER BROOK	
PLAN AND ELEVATION	
Designed By R. WHITCOMB	Drawn By S. ROY
Checked By P.M. THURBER Date 6/90	Bridge Design Supervisor D.E. LATHROP Date 6/90
PROJECT DANBY	PROJECT NO. BRZ 1441 (2.0)
L.G.C. Info.	
Bridge Sheet No.	Sheet 7 of 25

6/15/90 11:25 AM 7214

SOIL CLASSIFICATION

AASHTO

A1 Gravel and Sand
 A2 Fine Sand
 A3 Silty or Clayey Gravel and Sand
 A4 Silty Soil - Low Compressibility
 A5 Silty Soil - Highly Compressible
 A6 Clayey Soil - Low Compressibility
 A7 Clayey Soil - Highly Compressible

UNIFIED SOIL SYSTEM

GW/GP Clean Gravels (Few Fines)
 GM/GC Gravels (Appreciable Fines)
 SW/SP Clean Sands (Few Fines)
 SM/SC Sand (Appreciable Fines)
 ML/CL Low Plastic Silts & Clays
 OL Low Plastic Organic Silt
 MH/CH High Plastic Silts & Clays
 OH High Plastic Organic Silt
 PT Highly Organic Soils

MOISTURE

DESCRIPTIVE TERM	OBSERVED IN FIELD	% ± BY ANALYSIS
Dry	No Visible Water	<10
Moist	Damp	10-20
Moist to Wet	Moist to Wet	21-50
Wet	Visible Water	51-70
Saturated		>70

ROCK QUALITY DESIGNATION

R.Q.D.	ROCK DESCRIPTION
<.25	Very Poor
.25 to .50	Poor
.51 to .75	Fair
.76 to .90	Good
>.90	Excellent

SHEAR STRENGTH

UNDRAINED SHEAR STRENGTH IN P.S.F.	CONSISTENCY
<250	Very Soft
250-500	Soft
500-1000	Med. Stiff
1000-2000	Stiff
2000-4000	Very Stiff
>4000	Hard

CORRELATION GUIDE OF "N" TO DENSITY/CONSISTENCY

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

COMMONLY USED SYMBOLS

- ▼ Water Elevation
- ⊙ Standard Penetration Boring
- ⊕ Auger Boring
- Rod Sounding
- Sample
- N Standard Penetration Test
- Blow Count Per Foot For 2" O.D. Sampler
- 1 3/8" I.D. Sampler
- Hammer Weight Of 140 Lbs.
- Hammer Fall Of 30"
- VS Field Vane Shear Test
- US Undisturbed Soil Sample
- DC Blast
- MD Diamond Core
- WA Mud Drill
- WS Wash Ahead
- HSA Hollow Stem Auger
- AK Core Size 1 1/4"
- BX Core Size 1"
- NX Core Size 2 1/8"
- M Double Tube Core Barrel Used
- LL Liquid Limit
- PL Plastic Limit
- PI Plasticity Index
- NP Non Plastic
- w Moisture Content (Dry Wgt. Basis)
- D Dry
- M Moist
- MTW Moist To Wet
- W Wet
- Sat Saturated
- Bo Boulder
- Gr Gravel
- Sa Sand
- Sl Silt
- Cl Clay
- HP Hardpan
- Le Ledge
- NLTD No Ledge To Depth
- CNPF Can Not Penetrate Further
- TLDB To Ledge Or Boulder
- NR No Recovery
- Rec. Recovery
- 2Rec. Percent Recovery
- RQD Rock Quality Designation
- CBR California Bearing Ratio
- < Less Than
- > Greater Than

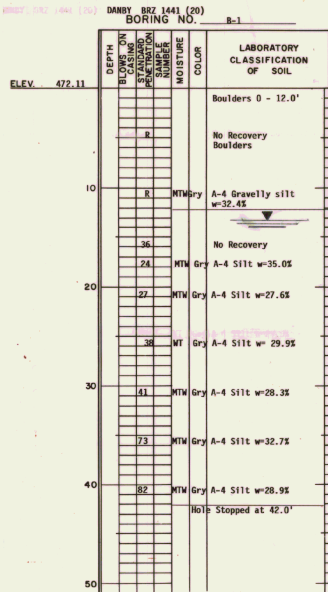
COLOR

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

DEFINITIONS (AASHTO)

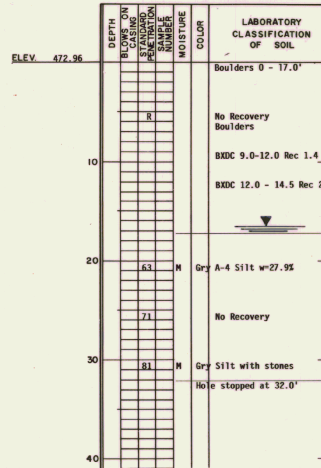
- BEDROCK (LEDGE)** - Rock in its native location of indefinite thickness.
- BOULDER** - A rock fragment with an average dimension > 12 inches.
- COBBLE** - Rock fragments with an average dimension between 3 and 12 inches.
- GRAVEL** - Rounded particles of rock < 3" and > 0.075" (#10 sieve).
- SAND** - Particles of rock < 0.075" (#10 sieve) and > 0.0025" (#200 sieve).
- SILT** - Soil < 0.0025" (#200 sieve), non or slightly plastic and exhibits no strength when air-dried.
- CLAY** - Fine grained soil, exhibits plasticity when moist and catenary strength when air-dried.

- VARVED** - Alternate layers of silt and clay.
- HARDPAN** - Extremely dense soil, cemented layer, not softened when wet.
- MUCK** - Soft organic soil (containing > 10% organic material).
- MOISTURE CONTENT** - Weight of water divided by dry weight of soil.
- FLOWING SAND** - Granular soil so saturated (loose) that it flows into drill casing during extraction of wash rod.
- STRIKE** - Angle from magnetic north to line of intersection of bed with a horizontal plane.
- DIP** - Inclination of bed with a horizontal plane.



ELEV 452.0
 BOT. OF FOOTING
 ABUT. No. 1

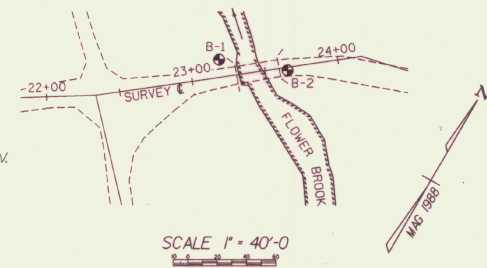
DANBY BRZ-1441 (20) BORING NO. B-2



ELEV 452.0
 BOT. OF FOOTING
 ABUT. No. 2

BORING LOG

BORING No.	SURV. STA.	OFFSET	EXISTING GROUND ELEV.
B-1	23+20	12' LT.	472.11
B-2	23+65	2' RT.	472.96

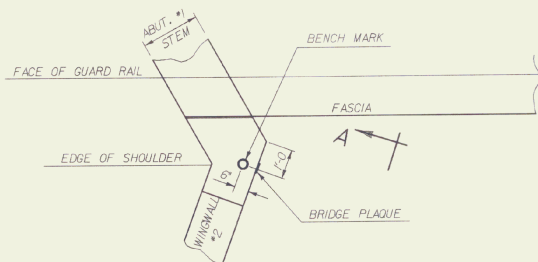


GENERAL NOTES

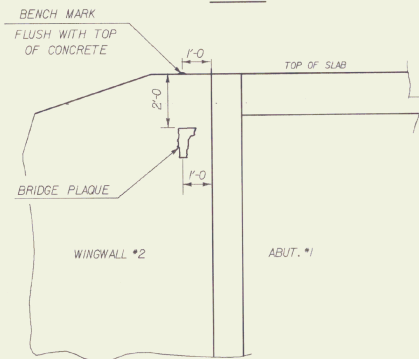
- The subsurface explorations shown herein were made between 6/12/1990 and 6/13/1990 by the Agency.
- Soil and rock classifications, profiles and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual borings or sample locations.
- Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.
- Engineering judgement was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor access to the same data available to the Agency. The subsurface information is presented in good faith and is not intended as a substitute for personal investigation, independent interpretation, independent analysis or judgement by the Contractor.
- Pictorial structure details shown on the boring plan layout or soils profile are for illustrative purposes only and may not accurately portray final contract details.

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	DANBY	Bridge No.	32
Highway No.	TH 5	Log Sta.	
TH 5 OVER FLOWER RIVER			
BORING INFORMATION SHEET			
Designed By	R. WHITCOMB	Drawn By	G. ROY
Checked By	C. MEUNIER	Bridge Design Supervisor	D.E. LATHROP
PROJECT	DANBY	PROJECT NO.	BRZ 1441 (20)
L.G.C. Info.	ZHM30,3087,4680R.DCN	PRJ: BORINGSTD	
Bridge Sheet No.		Sheet	8 of 25



PLAN



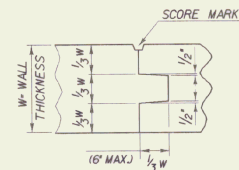
VIEW "A - A"

LOCATE BENCH MARK AND BRIDGE PLAQUE

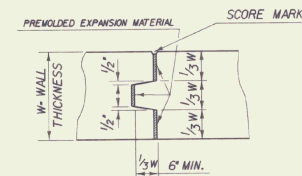
THE BRIDGE PLAQUE AND BENCH MARK WILL BE SUPPLIED BY THE AGENCY OF TRANSPORTATION AND SHALL BE INSTALLED BY THE CONTRACTOR AT ABUTMENT #1 ON THE RIGHT SIDE AS SHOWN OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES

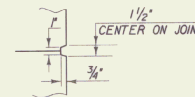
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 1990, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, FOURTEENTH EDITION, AND ITS LATEST REVISIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SILTATION OR POLLUTION, ESPECIALLY THE DISCHARGE OF RAW CONCRETE, INTO THE FLOWER BROOK, AS DIRECTED BY THE ENGINEER AND STANDARD SPECIFICATION, SECTION 105.
- FOUR CUBIC YARDS OF ADDITIONAL STONE FILL TYPE III, HAVE BEEN INCLUDED FOR A FISHERIES HABITAT MITIGATION BOULDER CLUSTER, AND SHALL BE PAID FOR UNDER THE ITEM "STONE FILL TYPE III." THE BOULDER CLUSTER WILL BE PLACED A MINIMUM OF 30 FEET DOWNSTREAM OF THE BRIDGE AS DIRECTED BY THE ENGINEER.
- THE TRAFFIC SHALL BE MAINTAINED ON TOWN HIGHWAY NO. 5 DURING CONSTRUCTION OF THE NEW BRIDGE UNDER THE ITEM "ONE WAY TEMPORARY BRIDGE." SEE DETAILS ON THIS SHEET FOR TEMPORARY BRIDGE REQUIREMENTS. (SUMMERTIME USAGE ONLY)
- THE ITEM "PARTIAL REMOVAL OF STRUCTURE" CONSISTS OF REMOVING EXISTING SUPERSTRUCTURE DOWN TO THE BRIDGE SEATS.
- THE EXISTING WINGWALLS AND ABUTMENTS SHALL BE REMOVED TO THE LIMITS SHOWN ON THE PLAN UNDER THE ITEMS "STRUCTURE EXCAVATION" AND "UNCLASSIFIED CHANNEL EXCAVATION."
- EXISTING FENCE IN DETOUR AREA SHALL BE REMOVED AND RESET UNDER THE ITEM 620.50 (MODIFIED). SEE SPECIAL PROVISIONS.
- AFTER REMOVAL OF TEMPORARY BRIDGE AND ROADWAY, THE CONTRACTOR SHALL RELOCATE BARBED WIRE FENCE ALONG THE EXISTING RIGHT-OF-WAY OR AS DIRECTED BY THE ENGINEER UNDER THE ITEM 620.50 (MODIFIED). SEE SPECIAL PROVISIONS.
- EXISTING GUARDRAIL AND BRIDGE RAILING SHALL BE REMOVED WITH CARE UNDER THE ITEM 621.80. "REMOVAL AND DISPOSAL OF GUARDRAIL" AND SHALL REMAIN THE PROPERTY OF THE TOWN OF DANBY. THE CONTRACTOR SHALL STOCKPILE THE RAIL & POSTS ON THE PROJECT. TOWN FORCES WILL BE RESPONSIBLE FOR TRANSPORTING MATERIALS OFF THE SITE.
- NO TRAFFIC SHALL BE ALLOWED ON THE NEW SLAB UNTIL THE CURE PERIOD IS UP AND THE 28 DAY DESIGN STRENGTH IS ATTAINED, AS EVIDENCED BY TEST CYLINDERS CURED UNDER FIELD CONDITIONS.
- TURF ESTABLISHMENT SHALL BE CONSIDERED SUBSIDIARY TO ALL OTHER ITEMS IN THE CONTRACT. SEE SHEET 3 FOR SEEDING FORMULA.
- IN-STREAM CONSTRUCTION SHALL BE RESTRICTED TO JUNE 1 TO OCTOBER 1, UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE AGENCY OF NATURAL RESOURCES TO DO WORK OUTSIDE THAT TIME FRAME.
- THE HEIGHT OF FILL BEHIND ABUTMENTS WILL BE LIMITED TO TWO FEET BELOW THE BRIDGE SEAT ELEVATION UNTIL THE SLAB HAS BEEN POURED AND CURED.
- ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" BY 1".
- WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF DECK BETWEEN DRIP BEADS.
- JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED BY THE PLANS OR AS DIRECTED BY THE ENGINEER.
- THE KEY IN CONCRETE CONSTRUCTION JOINTS SHALL BE MONOLITHIC AND CONTINUOUS FOR THE FULL LENGTH OF THE JOINT.
- REINFORCING PLACEMENT TOLERANCES SHALL BE:
SPACING $\pm 1"$
CLEARANCE $\pm 1/4"$
- THE FOLLOWING TABLE OF ALLOWABLE STRESSES AND WEIGHTS APPLY TO THESE PLANS FOR DESIGN PURPOSES:
CONCRETE: $f'_c = 3500$ PSI $f_c = 1400$ PSI
REINFORCING STEEL: $F_t = 24,000$ PSI Grade 60
SOIL: UNIT WEIGHT 140 PCF
- BRIDGE IS DESIGNED FOR HS 20-44



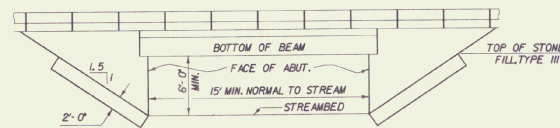
TYPICAL CONCRETE CONSTRUCTION JOINT



TYPICAL CONCRETE EXPANSION JOINT

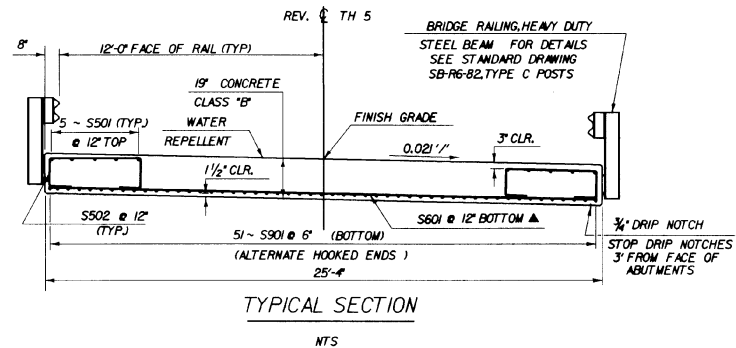
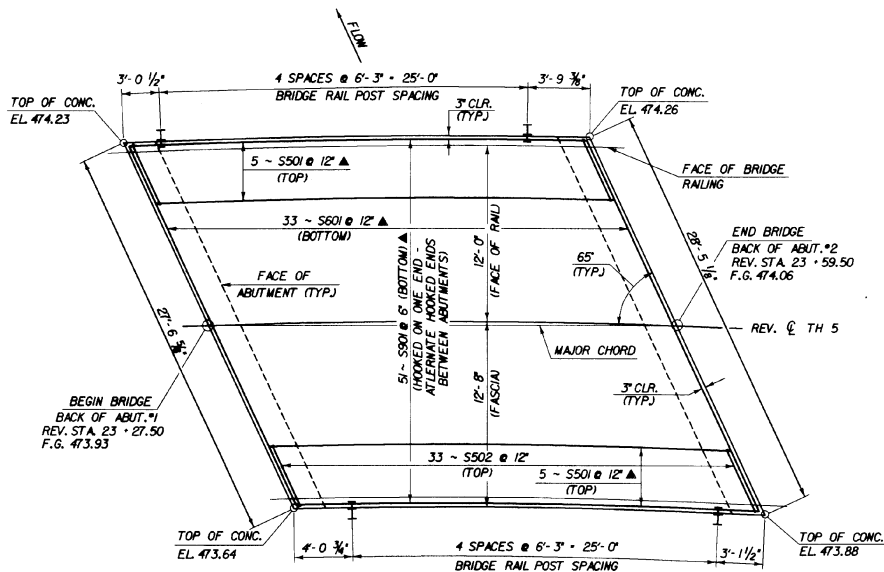


SCORE MARK DETAIL



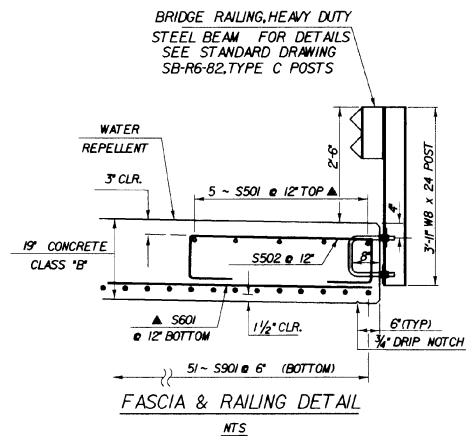
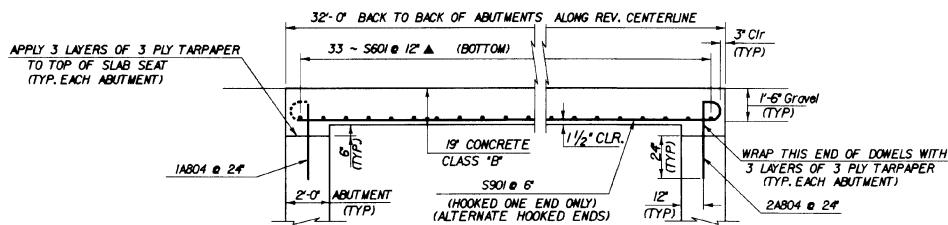
TEMPORARY BRIDGE ELEVATION
NTS

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	DANBY	Bridge No.	32
Highway No.	TH 5	Log Sta.	
TH 5 OVER THE FLOWER BROOK		Surv. Sta.	(REV.) 23 + 50
GENERAL NOTES & DETAILS			
Designed By	R. WHITCOMB	Drawn By	G. ROY
Checked By	C. MEUNIER	Date	7/90
		Bridge Design Supervisor	D. E. LATHROP
		Date	7/90
PROJECT	DANBY	PROJECT NO.	BRZ 1441 (20)
I.&E. Info.	ZHHC3072387.1146.DGN	PRF-DANBY/NOTE	
Bridge Sheet No.		Sheet	9 of 25



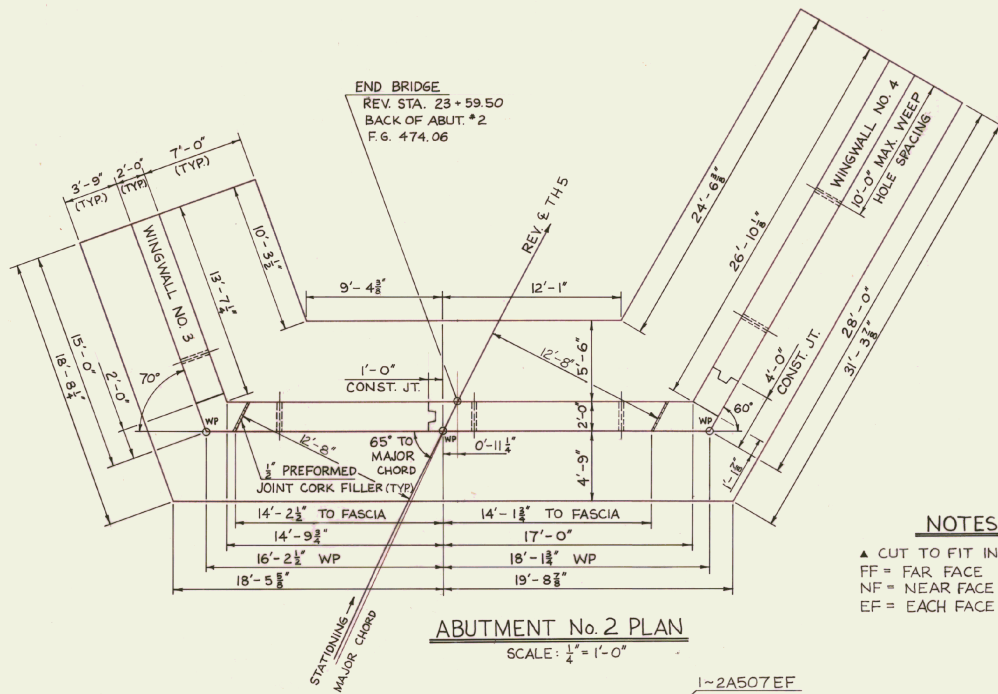
NOTES

1. THE SLAB SHALL BE CAMBERED A TOTAL OF 3/4" @ MIDSPAN.
2. THE CONCRETE DECK SHALL BE BROOM FINISHED.
3. ▲ - CUT TO FIT IN THE FIELD.
4. COST OF TARPAPER & IT'S APPLICATION SHALL BE SUBSIDIARY TO CONCRETE, CLASS B.

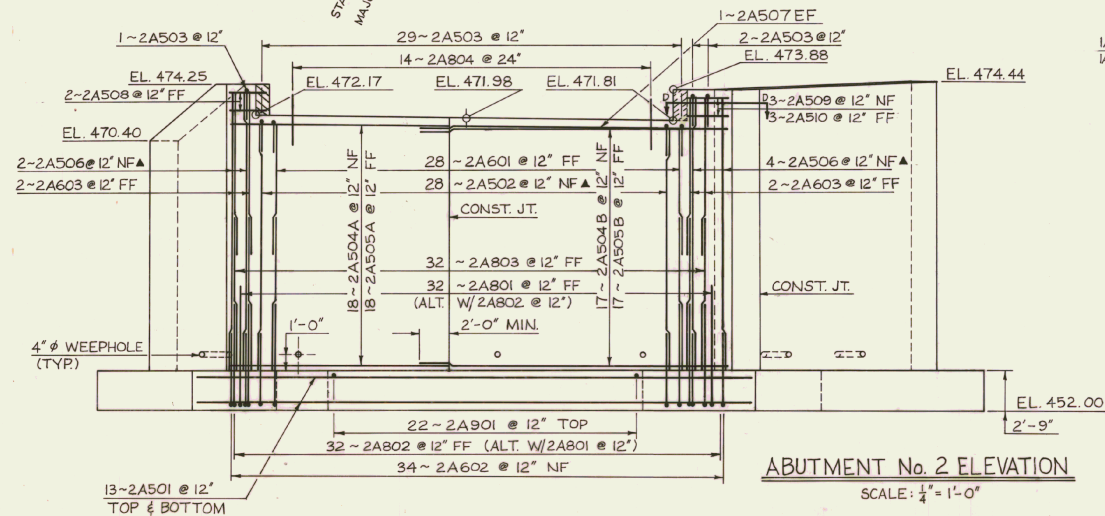


STATE OF VERMONT
AGENCY OF TRANSPORTATION

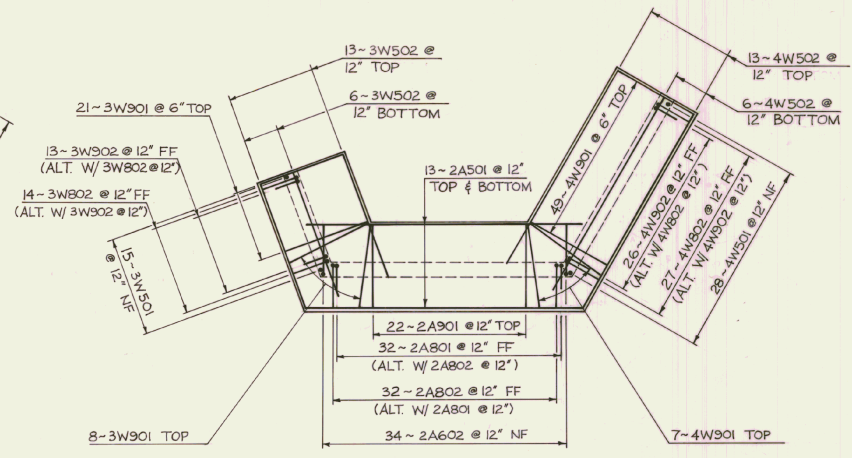
Town Of	DANBY	Bridge No.	32
Highway No.	TH 5, CL III	Log Sta.	
		Surv. Sta.	(REV) 23 + 50
TH 5 OVER FLOWER BROOK			
SLAB DETAILS			
Designed By	A. WHITCOMB	Drawn By	G. ROY
Checked By	C. MEUNIER	Bridge Design Supervisor	
		Date	6/90
		Date	6/90
PROJECT	DANBY	PROJECT NO.	1441 (20)
		BRZ	
L.C.C. Info.	ZHMC302287JMESLBDGN	PRF.#	JMESLBD
Bridge Sheet No.		Sheet	10 of 25



ABUTMENT No. 2 PLAN
SCALE: $\frac{1}{4}'' = 1'-0''$

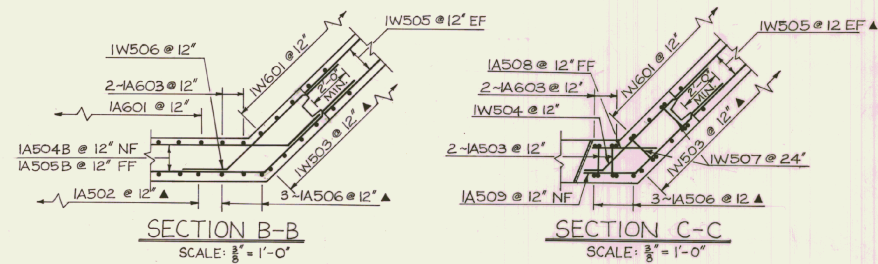


ABUTMENT No. 2 ELEVATION
SCALE: $\frac{1}{4}'' = 1'-0''$



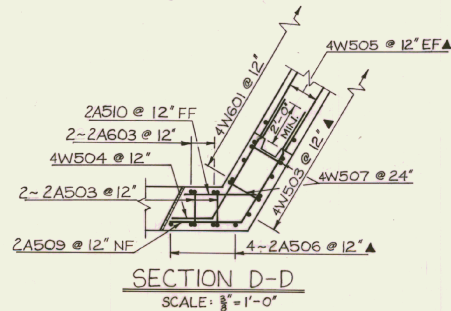
FOOTING REINFORCING
SCALE: $\frac{1}{8}'' = 1'-0''$

NOTES:
▲ CUT TO FIT IN THE FIELD
FF = FAR FACE
NF = NEAR FACE
EF = EACH FACE



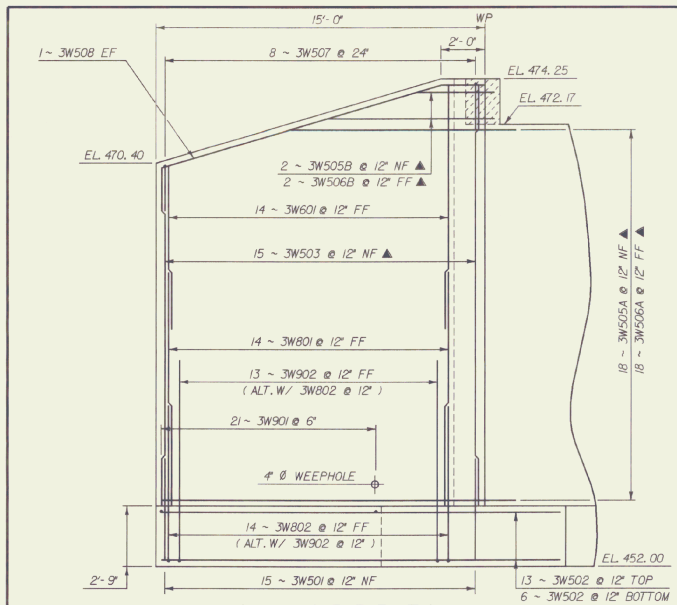
SECTION B-B
SCALE: $\frac{3}{8}'' = 1'-0''$

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

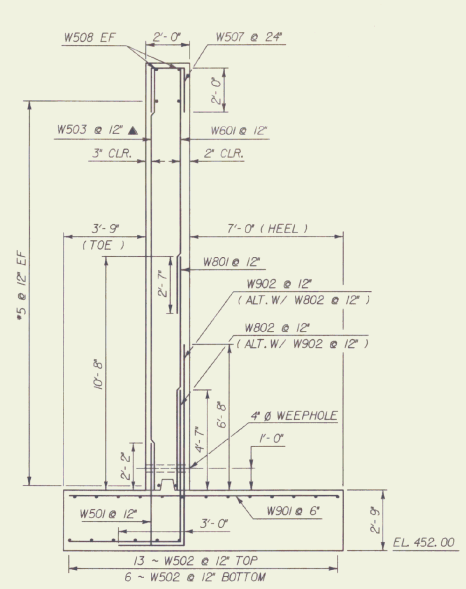


SECTION D-D
SCALE: $\frac{3}{8}'' = 1'-0''$

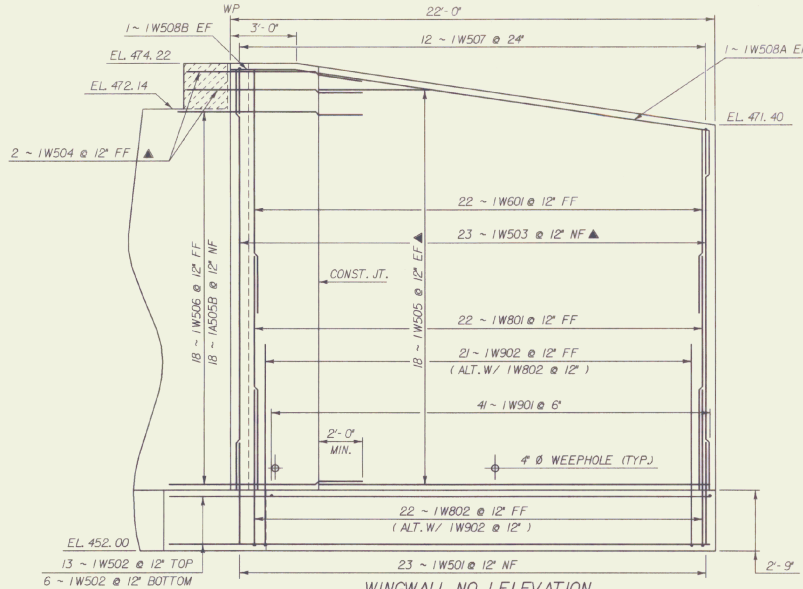
STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	DANBY	Bridge No.	32
Highway No.	TH 5	Log Sta.	
		Surv. Sta. (REV)	23+50
ABUTMENT NO. 2 DETAILS			
TH 5 OVER FLOWER BROOK			
Designed By	R. WHITCOMB	Drawn By	G. ROY
Checked By	Date	Bridge Design Supervisor	
C. MEUNIER	6/90	D.E. LATHROP	Date 6/90
PROJECT	DANBY	PROJECT NO.	BRZ 144K20
I.G.C. Info.	87J146WV.DGN:2		
Bridge Sheet No.	Sheet 12 of 25		



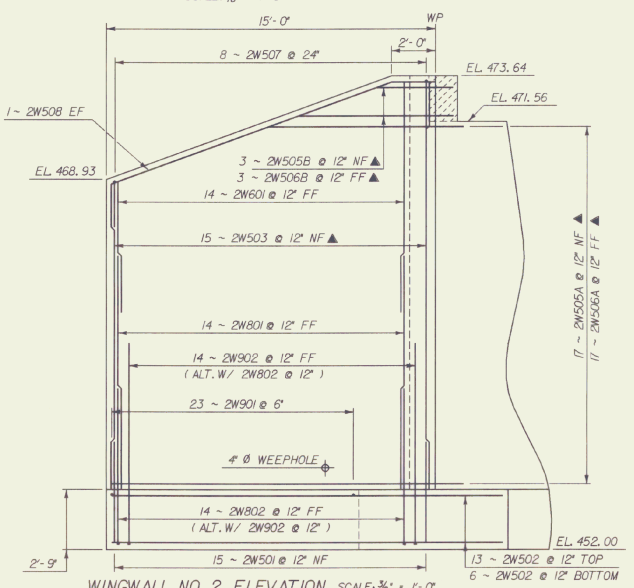
WINGWALL NO. 3 ELEVATION
 SCALE: 3/8" = 1'-0"



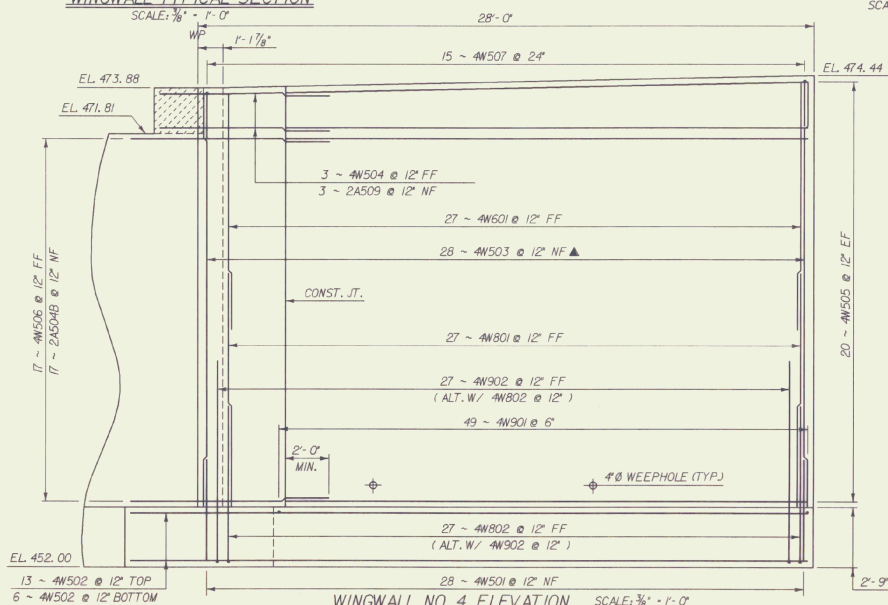
WINGWALL TYPICAL SECTION
 SCALE: 3/8" = 1'-0"



WINGWALL NO. 1 ELEVATION
 SCALE: 3/8" = 1'-0"



WINGWALL NO. 2 ELEVATION SCALE: 3/8" = 1'-0"

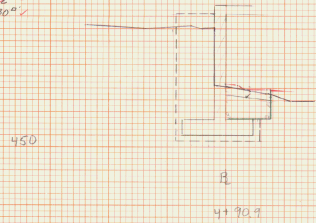


WINGWALL NO. 4 ELEVATION SCALE: 3/8" = 1'-0"

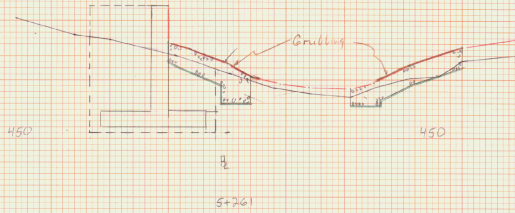
- NOTES:**
- ▲ CUT TO FIT IN THE FIELD
 - FF - FAR FACE
 - NF - NEAR FACE
 - EF - EACH FACE

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	DANBY	Bridge No.	32
Highway No.	TH 5	Log Sta.	
		Surv. Sta. (REV) 23 - 50	
WINGWALL DETAILS			
TH 5 OVER FLOWER BROOK			
Designed By	R. WHITCOMB	Drawn By	G. ROY
Checked By	C. MEUNIER	Date	6 / 90
		Bridge Design Supervisor	D.E. LATHROP Date 6 / 90
PROJECT	DANBY	PROJECT NO.	BRZ 1441 (20)
I.G.C. Info.	ZHU (30,72) BY JHEW/DGN	PRF. BY JHEW/DGN	
Bridge Sheet No.		Sheet	13 of 25

CHAN 35° ✓
STR 188° ✓
(3) STONE 38° ✓
GRAN 150° ✓

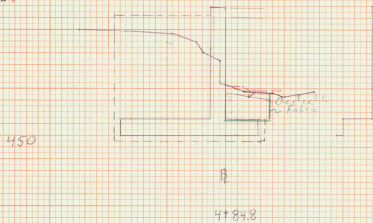


CHAN 42° ✓
STR 282° ✓
(3) STONE 54° ✓
GRAN 210° ✓



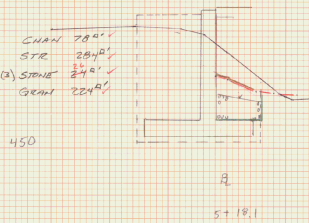
(3) Stone 61° ✓
Chan 25° ✓

CHAN 31° ✓
STR 342° ✓
(3) STONE 38° ✓
GRAN 310° ✓



4+83.5 0-0 Grubbing

CHAN 70° ✓
STR 284° ✓
(3) STONE 27° ✓
GRAN 224° ✓

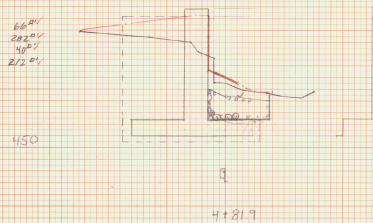


5+165 0-0 Grubbing

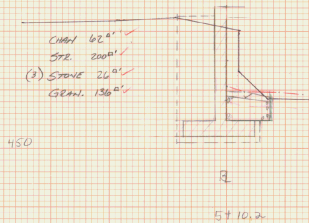
ABUTMENT #1

Station	Dist	Grassular Cft	RF cy	Structure Exc Cft	Exc cy
4+71.9	10.0	0	39.3	0	52.2
4+81.9	2.9	212	20.0	282	33.7
4+84.8	2.9	310	43.7	346	58.1
4+92.9	6.1	130	44.8	168	68.0
5+00.0	9.1	130	51.4	200	77.3
5+10.2	10.6	130	52.7	200	70.8
5+18.1	7.9	220	44.3	204	83.9
5+26.1	8.0	210	41.2	282	55.4
5+36.9	10.6	0	0	0	0
Totals			371.4 cy	194.0 cy	
		01.13.92	119.72	01.13.92	119.72

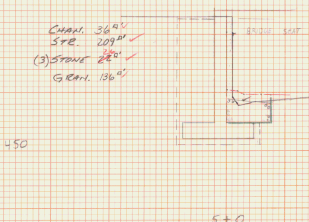
CHAN 66° ✓
STR 282° ✓
(3) STONE 40° ✓
GRAN 212° ✓



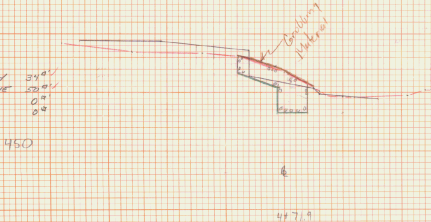
CHAN 62° ✓
STR 280° ✓
(3) STONE 26° ✓
GRAN 136° ✓



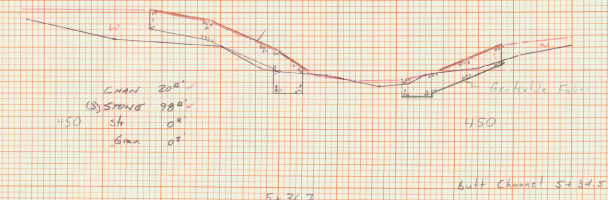
CHAN 36° ✓
STR 204° ✓
(3) STONE 28° ✓
GRAN 136° ✓



CHAN 34° ✓
(3) STONE 28° ✓
STR 0° ✓
GRAN 0° ✓



(3) Stone 50° ✓
Chan 32° ✓



CHAN 20° ✓
(3) STONE 98° ✓
STR 0° ✓
GRAN 0° ✓

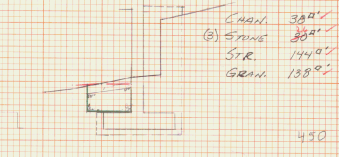
Built Channel 5+36.5

CHANNEL X-SECTION
DAMBY BR2 11/1(20)
ADUT P.2

Abutment #2	Station	Dist	Gravimetric Backfill Area	Gravimetric Backfill Vol	Structure Excavation Area	Structure Excavation Vol
	4+515	0	0	0	0	0
	4+600	85	168	34.1	354	55.7
	4+645	130	248	49.4	488	67.8
	4+680	165	324	64.4	452	66.2
	4+720	205	134	26.1	154	22.8
	4+760	245	87	17.4	170	14.7
	4+770	255	138	27.6	144	17.7
	5+007	492	320	64.0	220	45.7
	5+057	542	82	16.4	174	25.0
	5+112	602	0	0	0	0
Totals			3660	718.3	578.7	611.3

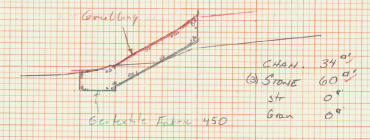
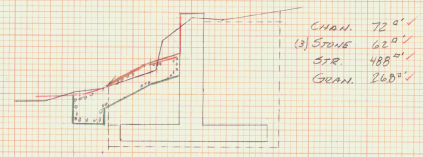
#170 0-0 Grubbing

CHAN. 520'
(B) STONE 200'
STR. 450'
GRAN. 334'



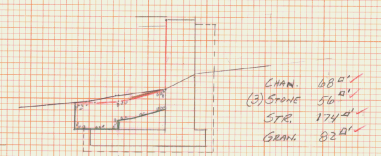
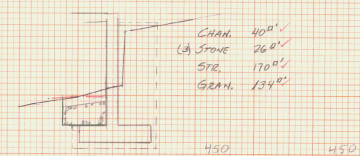
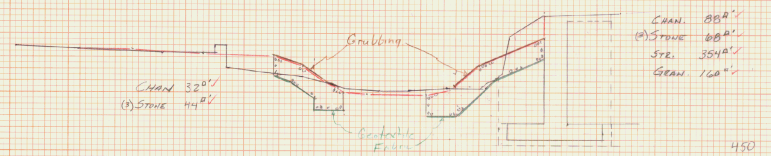
3660 cu ft
718.3 cu yd
174
10492

578.7 cu ft
131.7 cu yd
174
10492



450

4+645



450

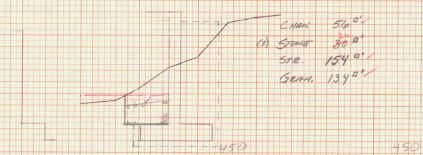
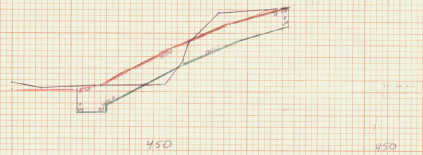
4+600

4+883

5+057

5+057 0-0 Grubbing

(B) STONE 1200'
CHAN. 1000'
STR. 0'
GRAN. 0'



450

4+515

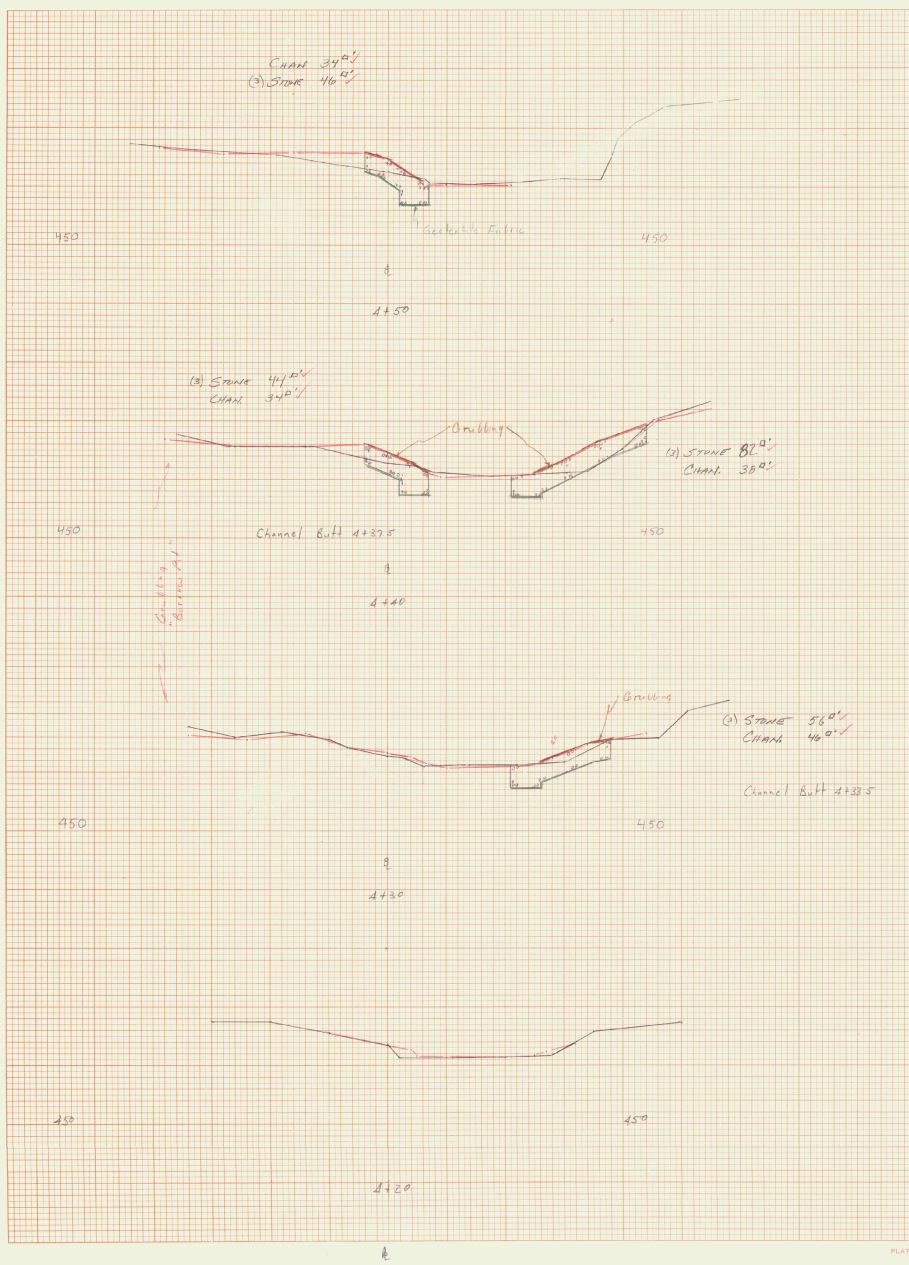
Used Front X-Section 4150
0' to 20' BE PAL

4+720

5+007

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: _____
 SHEET NO. _____

DATE: _____
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: _____
 SHEET NO. _____



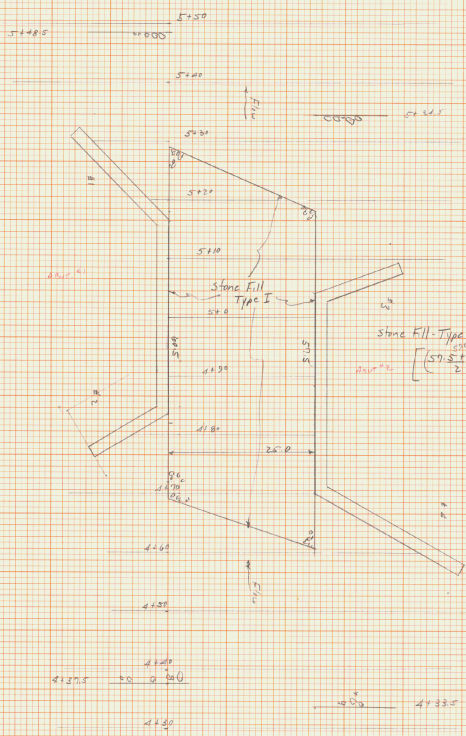
Station	Distance	Abutment #1		Slope Fill III	
		ft	Channel	cu	cu
4+44					
4+37.5	14.0	34	171.6	44	233
4+51.5	8.5	34	16.4	46	14.2
4+60.0	11.9	32	14.5	44	20.7
4+71.3	10.0	34	18.5	50	16.7
4+81.9	2.9	66	5.4	40	3.5
4+84.8	6.1	34	7.8	26	5.9
4+90.3	9.1	35	12.0	20	8.8
5+00.0	10.2	36	18.5	26	9.8
5+10.2	7.9	42	20.5	26	7.6
5+18.1	8.0	78	17.8	26	11.9
5+26.1	10.4	42	12.2	54	25.8
5+36.7	11.8	20	9.0	38	32.3
Butt				50	
Total			102.6 cu		184.5 cu
			01-11-92-1146		01-11-92-1146
			1/6 Gypsum		1/6 Gypsum
			1/11/92		1/11/92

Station	Dist	Abutment #2		Slope Fill III	
		ft	Channel	cu	cu
Butt					
4+33.5	4.5	46	10.1	50	16.6
4+40.0	6.5	38	7.9	82	43.0
4+57.5	11.5	100	29.6	120	29.6
4+60.0	8.5	88	12.7	68	10.4
4+64.3	4.3	72	8.7	42	6.2
4+68.1	3.8	52	17.8	26	8.6
4+72.0	8.9	52	20.1	26	10.9
4+88.3	11.3	40	12.6	26	8.4
4+97.0	8.7	38	5.2	26	5.6
5+00.7	2.7	38	9.8	24	7.6
5+05.7	5.0	48	17.0	36	19.3
5+14.7	9.0	34	12.5	60	25.5
5+26.1	11.4	25	8.9	41	18.2
5+34.4	8.4	32		56	
Total			194.4 cu		269.8 cu
			01-11-92-1146		01-11-92-1146
			1/6 Gypsum		1/6 Gypsum
			1/11/92		1/11/92



ORIGINAL SURVEY
 NOTE BOOK
 No. _____
 DATE _____

ORIGINAL SURVEY
 NOTE BOOK
 No. _____
 DATE _____

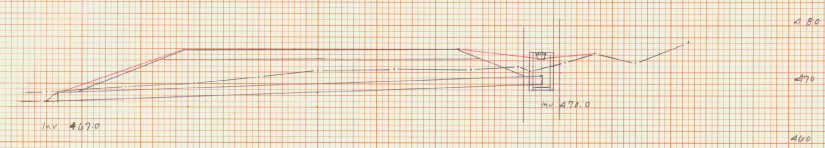


Stone Fill - Type I # Channel Excavation

$$\left[\frac{(57.5 + 60.5) \cdot 250 \cdot 15}{2} \right] \div 2.7 = 1.94$$

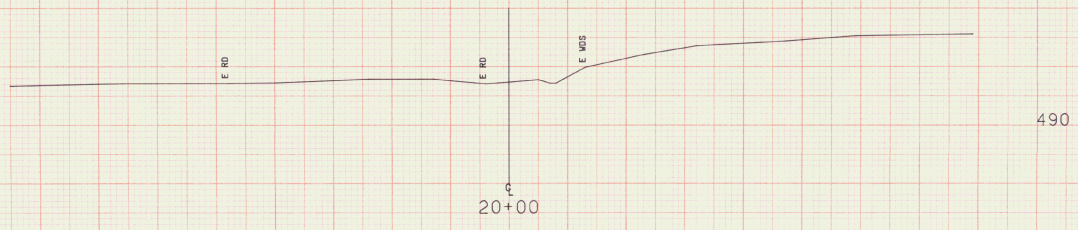
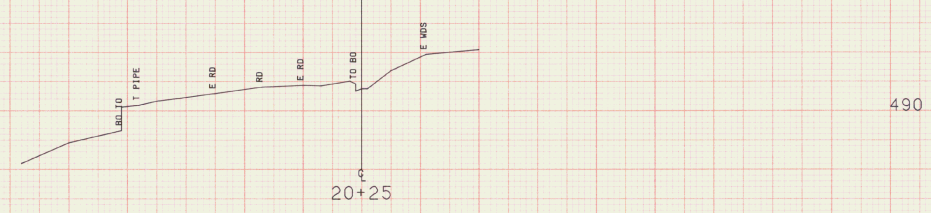
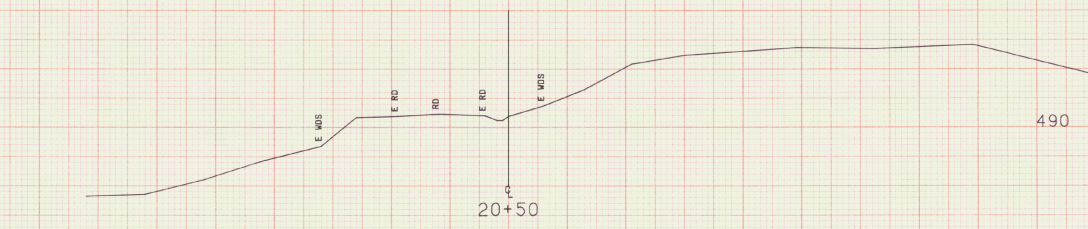
 200' 0" 18" 18" 11/17/92

Area 272.0' 0" 20"
 TE 18' CSP 272' 0" = 25' 3" by 11/17/92
 18' CSP MF @ 82'



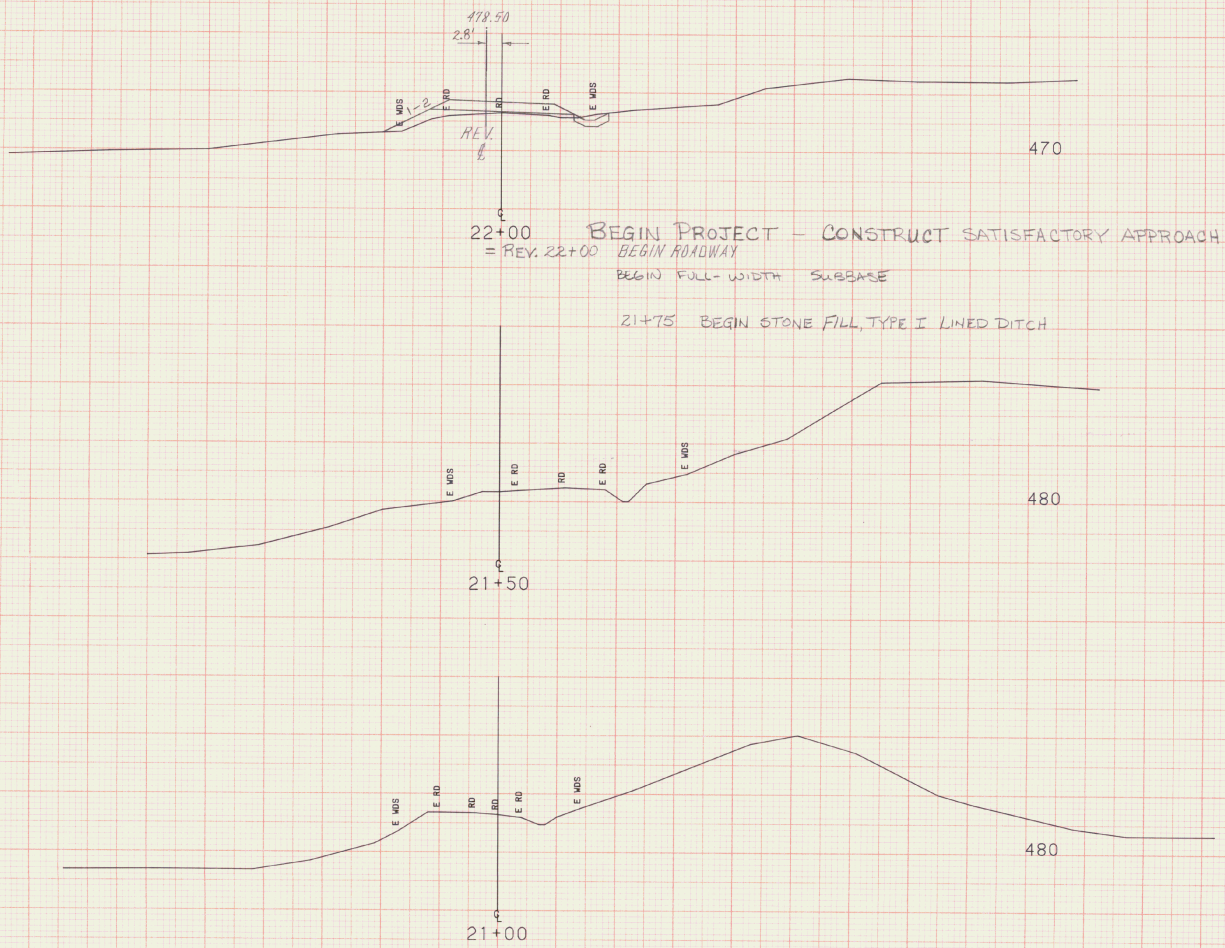
22' 0" AS' Altek 52' 0" LT
 New 18' CSP = 82' w/MS of Outlet
 # PCRC OF @ Inlet

D.G.S. EK 9, pg 147
 PURC OF # TE 14cm 900.01



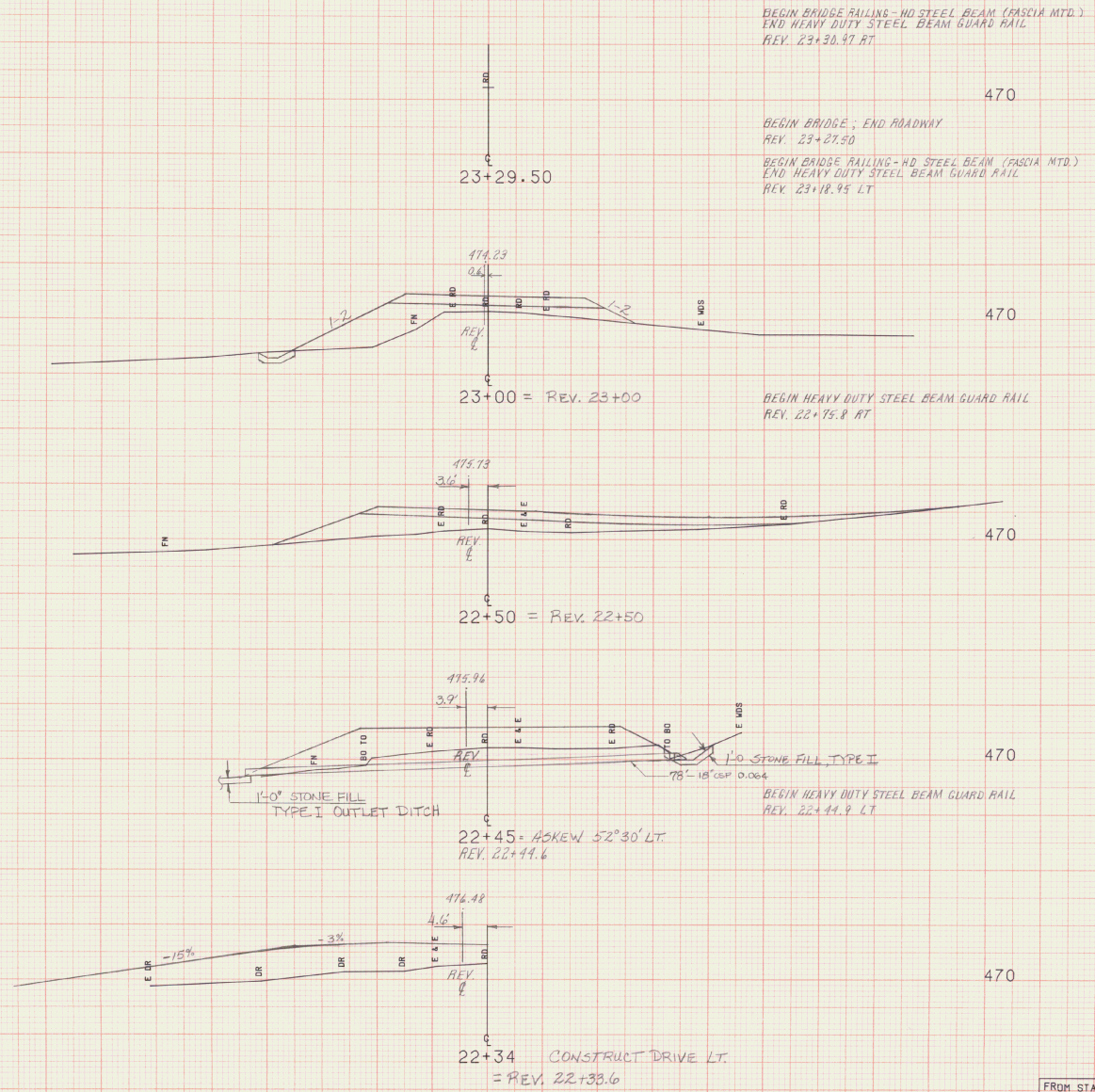
FROM STA.	20+00	TO STA.	20+50
PROJECT NAME	DANBY MAIN		
NO.	BR21441 (20)	PLOTTED	03/16/89
SURVEYED BY	R. MOREAU	09/88	0161
SHEET	5	OF	25 SHEETS

SCALE 1" = 10 FEET



FROM STA.	21+00	TO STA.	22+00
PROJECT NAME	DANBY MAIN		
NO.	BR21441 (20)		
SURVEYED BY	R. MOREAU	09/88	0161
SHEET	16	OF	25 SHEETS

SCALE 1" = 10 FEET



BEGIN BRIDGE RAILING - HD STEEL BEAM (FASCIA MTD.)
 END HEAVY DUTY STEEL BEAM GUARD RAIL
 REV. 23+30.97 RT

BEGIN BRIDGE; END ROADWAY
 REV. 23+27.50

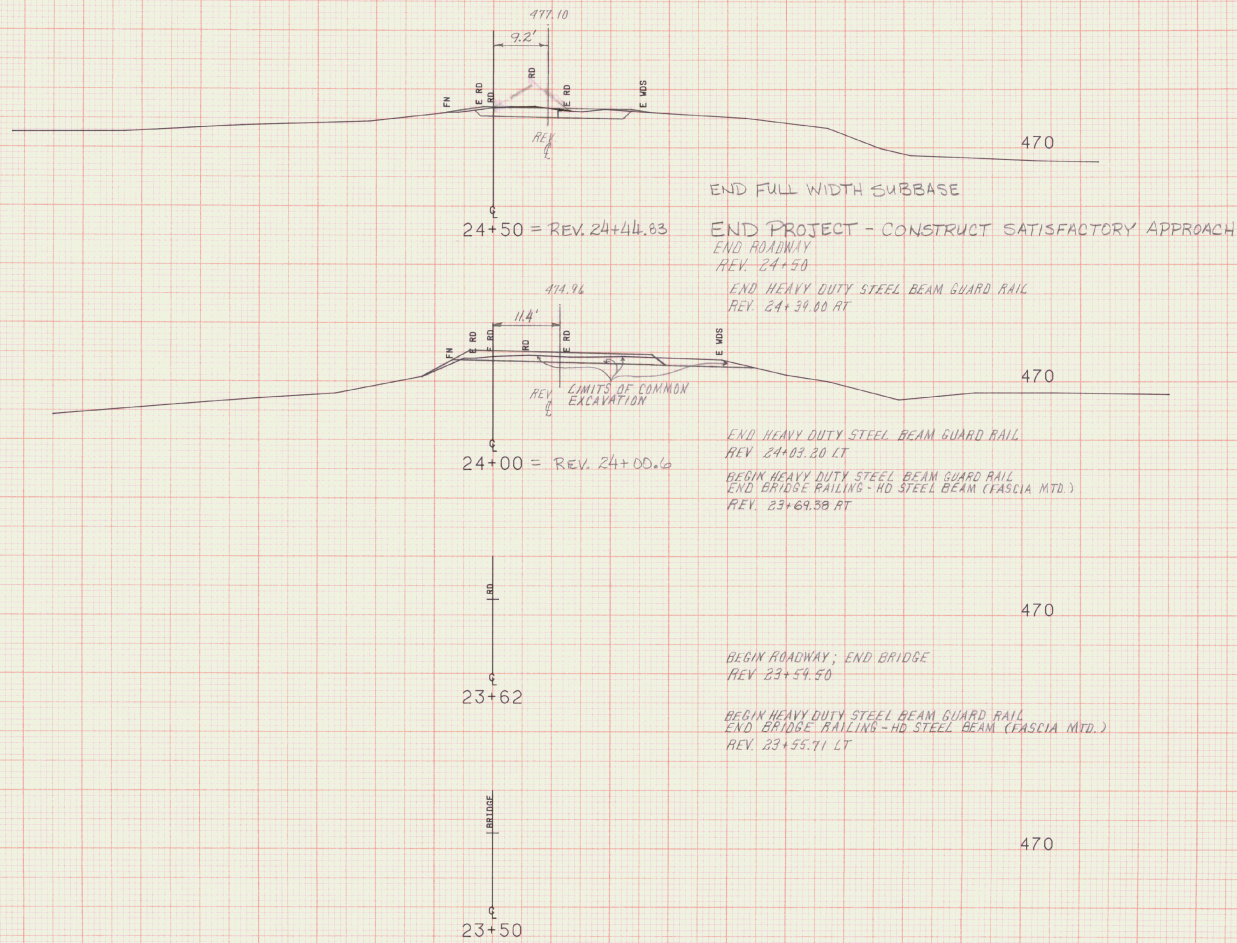
BEGIN BRIDGE RAILING - HD STEEL BEAM (FASCIA MTD.)
 END HEAVY DUTY STEEL BEAM GUARD RAIL
 REV. 23+18.95 LT

BEGIN HEAVY DUTY STEEL BEAM GUARD RAIL
 REV. 22+75.8 RT

BEGIN HEAVY DUTY STEEL BEAM GUARD RAIL
 REV. 22+44.9 LT

FROM STA.	22+34	TO STA.	23+29.50
PROJECT NAME	DANBY MAIN		
NO.	BR21441 (20)		
SURVEYED BY	R. MOREAU	PLOTTED	03/16/89
SHEET 17	OF 20	SHEETS	09/88 0161

SCALE 1" = 10 FEET



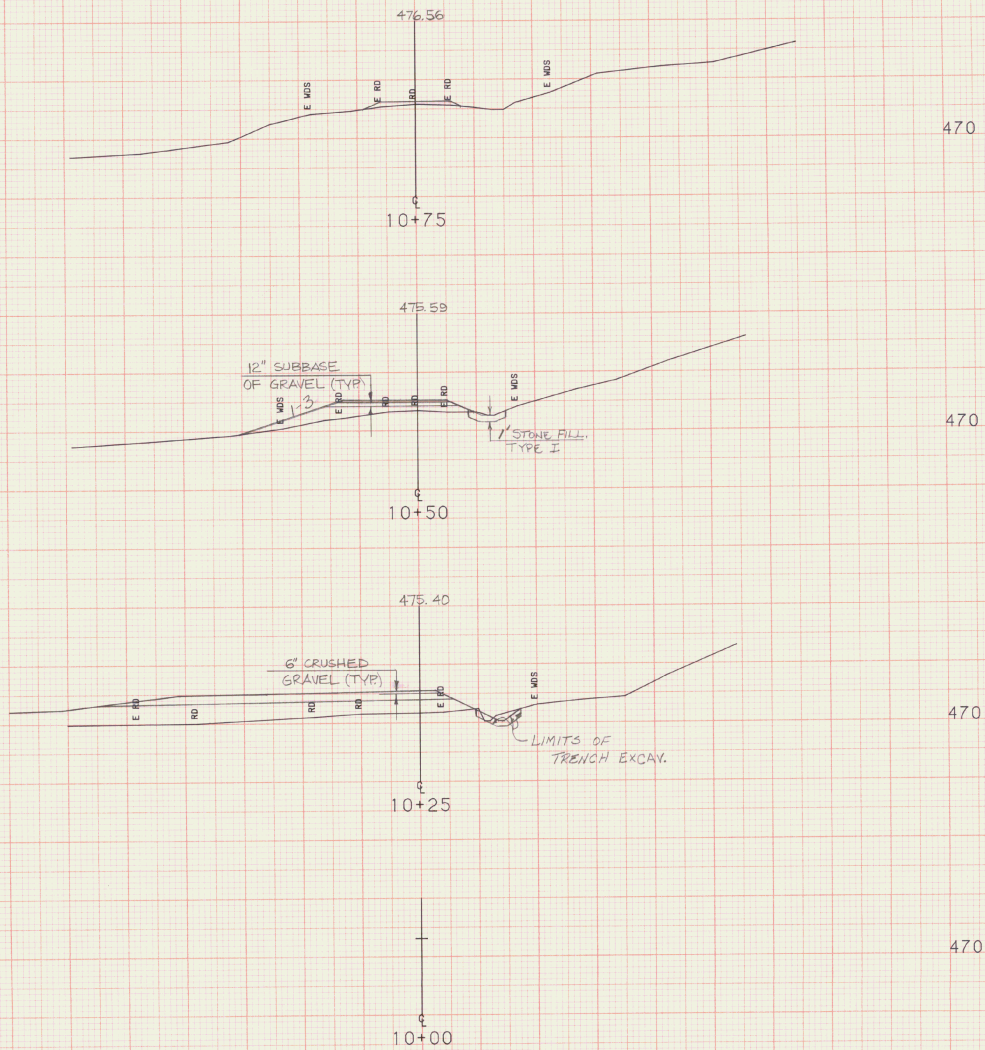
FROM STA. 23+50 TO STA. 24+50
 PROJECT NAME DANBY MAIN
 NO. BRZ1441 (20) PLOTTED 03/16/89
 SURVEYED BY R. MOREAU 09/88 0161
 SHEET 18 OF 25 SHEETS

SCALE 1" = 10 FEET



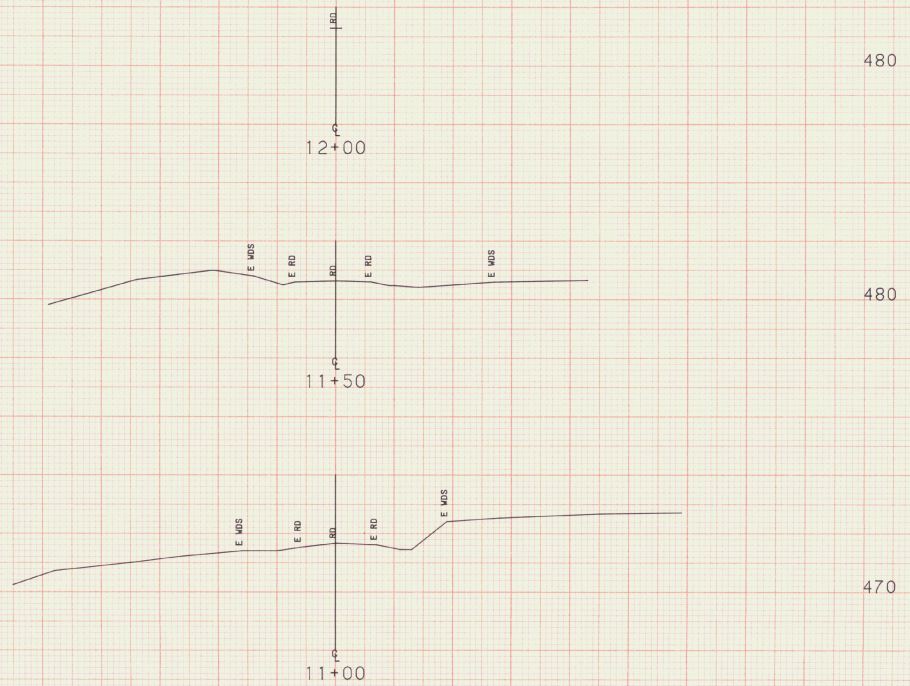
FROM STA.	25+00	TO STA.	26+00
PROJECT NAME	DANBY MAIN		
NO.	BR21441 (20)		
SURVEYED BY	B. MOREAU	PLOTTED	03/16/86
SHEET	19	OF	25 SHEETS

SCALE 1" = 10 FEET



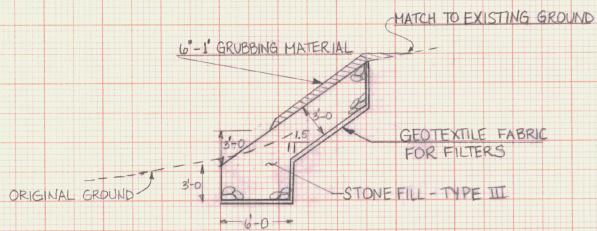
FROM STA.	10+00	TO STA.	10+75
PROJECT NAME	DANBY TH 1		
NO.	BR21441 (20)		
SURVEYED BY	B. MOREAU	PLOTTED	03/16/89
SHEET	20	OF	25 SHEETS

SCALE 1" = 10 FEET

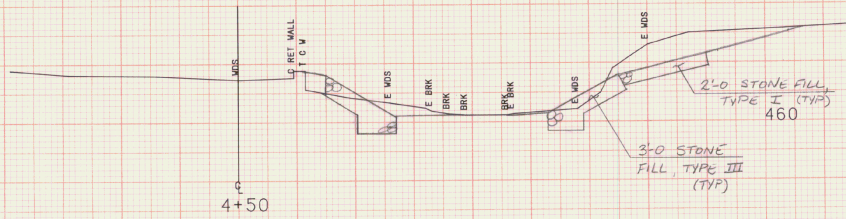


FROM STA. 11+00 TO STA. 12+00
 PROJECT NAME DANBY TH1
 NO. BR21441 (20) PLOTTED 03/16/89
 SURVEYED BY R. MOREAU 09/88 0161
 SHEET 21 OF 25 SHEETS

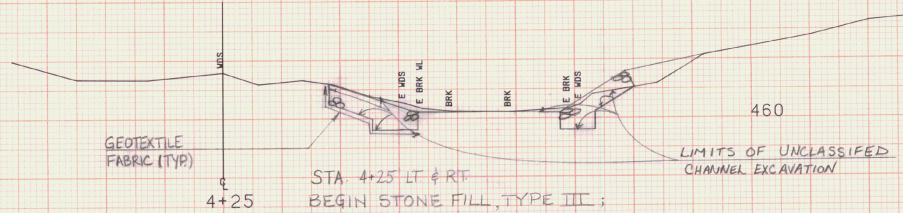
SCALE 1" = 10 FEET



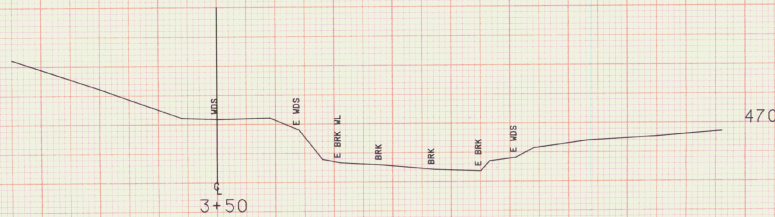
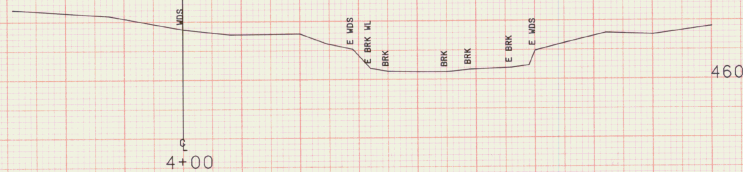
TYPICAL CHANNEL SECTION (NTS)



STA 4+42 RT - BEGIN STONE FILL, TYPE I.

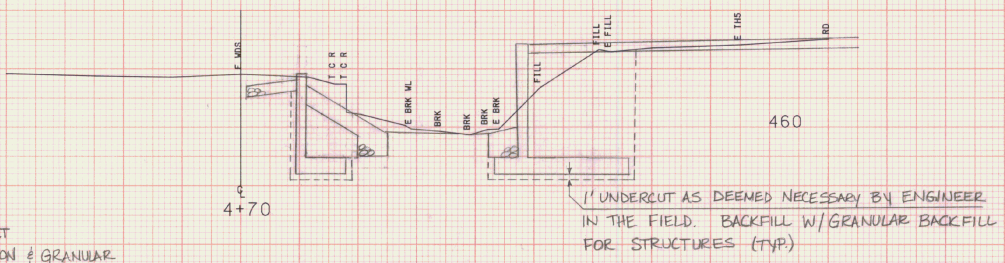
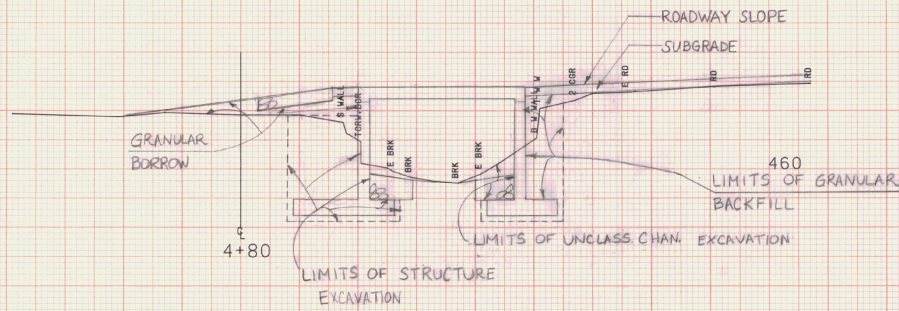
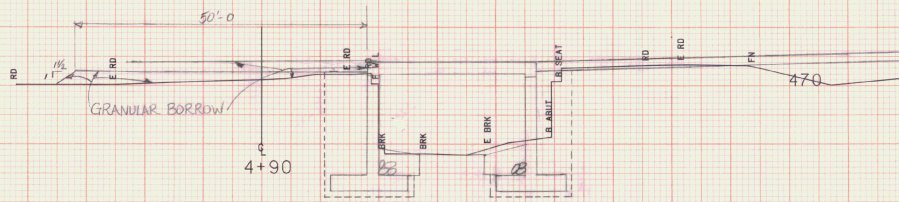


STA. 4+25 LT. & RT
BEGIN STONE FILL, TYPE III;
GEOTEXTILE FABRIC;
GRUBBING MATERIAL
UNCLASSIFIED CHAN. EXCAV.

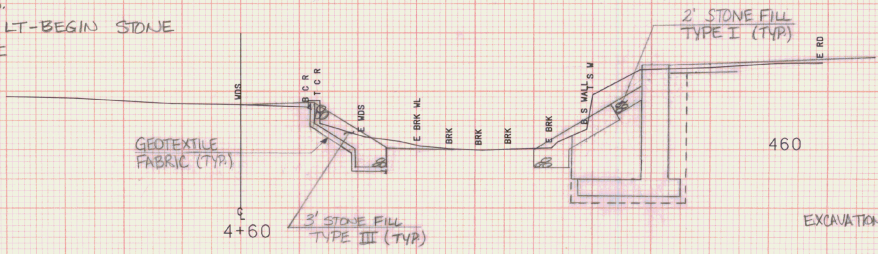


FROM STA.	3+50	TO STA.	4+50
PROJECT NAME	DANBY CHAN		
PROJECT NO.	BR21441 (20)		
SURVEYED BY	R. NOREAU	PLOTTED	03/16/89
SHEET	22	OF	23 SHEETS

SCALE 1" = 10 FEET



STA 4+66 LT
 BEGIN STRUCTURE EXCAVATION & GRANULAR
 BACKFILL FOR STRUCTURES.
 STA 4+62 LT-BEGIN STONE
 FILL, TYPE I



STA 4+54 RT - BEGIN STRUCTURE
 EXCAVATION & GRANULAR BACKFILL FOR STRUCTURES

FROM STA.	4+60	TO STA.	4+90
PROJECT NAME	DANBY CHAN		
NO.	BR21441 (20)	PLOTTED	03/16/89
SURVEYED BY	R. MOREAU		09/88 0161
SHEET	22 OF 23	SHEETS	

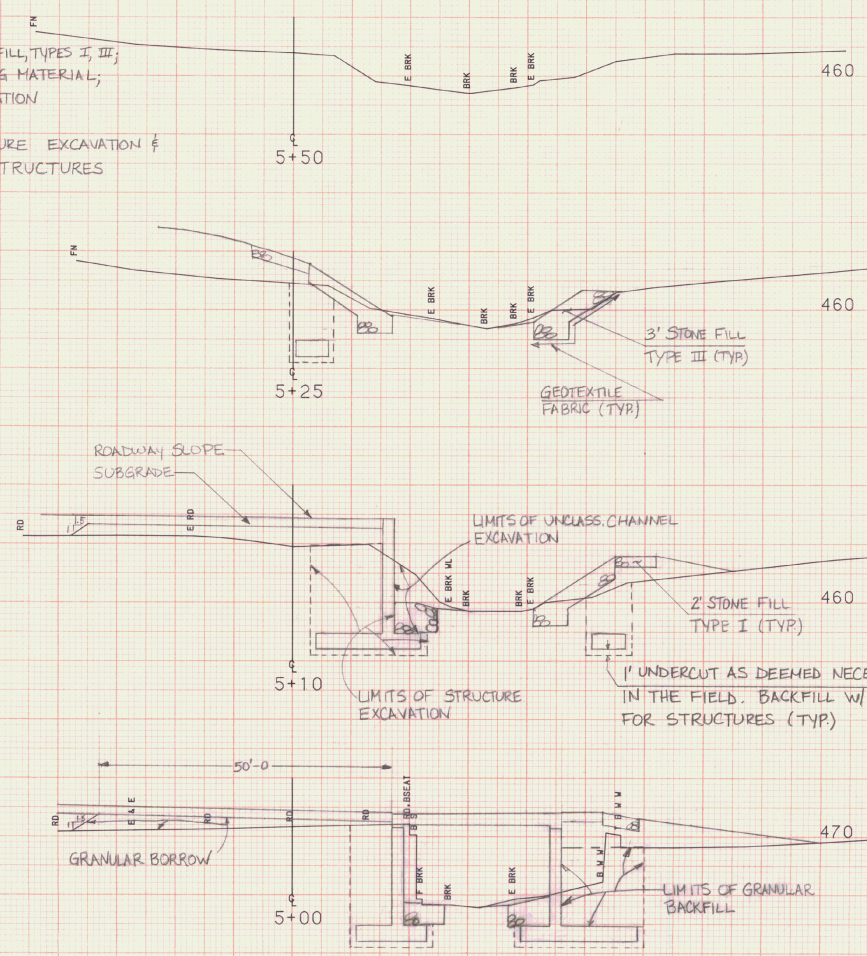
SCALE 1" = 10 FEET

STA. 5+40 LT - END STONE FILL, TYPES I, III;
 GEOTEXTILE FABRIC; GRUBBING MATERIAL;
 UNCLASSIFIED CHAN. EXCAVATION

STA. 5+29 LT - END STRUCTURE EXCAVATION &
 GRANULAR BACKFILL FOR STRUCTURES

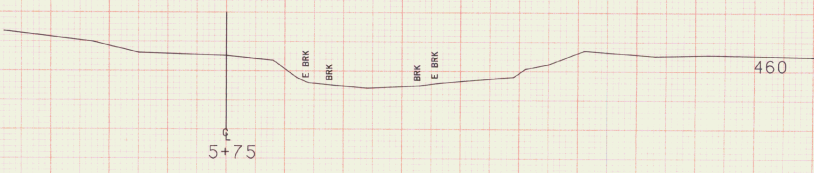
STA. 5+26 RT - END STONE FILL, TYPES I, III;
 GEOTEXTILE FABRIC; GRUBBING MATERIAL;
 UNCLASSIFIED CHAN. EXCAV.

STA. 5+13 RT - END STRUCTURE
 EXCAVATION & GRANULAR BACKFILL
 FOR STRUCTURES



FROM STA.	5+00	TO STA.	5+50
PROJECT NAME	DANBY CHAN		
NO.	BRZ1441 (20)	PLOTTED	03/16/89
SURVEYED BY	R. MOREAU		09/88 0161
SHEET	24	OF	29 SHEETS

SCALE 1" = 10 FEET

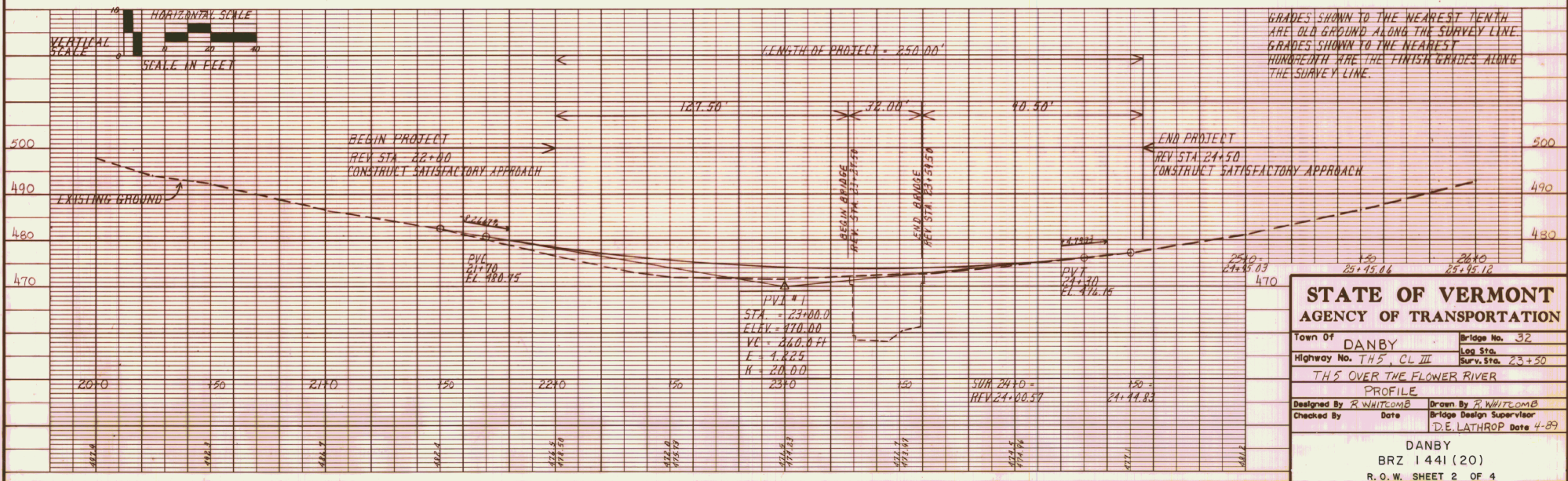


SCALE 10 FEET

FROM STA.	5+75	TO STA.	6+00
PROJECT NAME	DANBY CHAN		
NO.	BRZ1441 (20)		
SURVEYED BY	B-MOREAU	PLOTTED	03/16/89
SHEET	25	OF	25 SHEETS

FINAL HYDRAULIC DATA

Drainage Area = 6.44 Sq. Mi.
 Q_{2.33} = 350 cfs HW. Elev. = 461.2
 Q₁₀ = 760 cfs " " = 463.1
 Q₂₅ = 1000 cfs " " = 464.0
 Q₅₀ = 1200 cfs " " = 464.7
 Q₁₀₀ = 1400 cfs " " = 465.4
 Tailwater Depth @ Q₂₅ = 4.1'
 Outlet Velocity @ Q₅₀ = 8.4 fps



STATE OF VERMONT	
AGENCY OF TRANSPORTATION	
Town of DANBY	Bridge No. 32
Highway No. TH5, CL III	Log Sta. 23+50
TH5 OVER THE FLOWER RIVER	
PROFILE	
Designed By R. WHITCOMB	Drawn By R. WHITCOMB
Checked By D. E. LATHROP	Bridge Design Supervisor
Date	Date 4-89
DANBY	
BRZ 1441 (20)	
R.O.W. SHEET 2 OF 4	

BRZ 1441 (20)

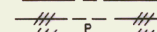
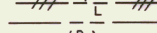
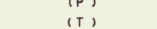
TABLE OF PROJECT PROPERTY ACQUISITION

STATE OF VERMONT
AGENCY OF TRANSPORTATION
RIGHT OF WAY PLANS
DETAIL SHEET





PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY	
1A	HAUSER, FREDERICK V. HAUSER, JUNE J.	4	REV. 22+50 LT. REV. 22+30 LT. REV. 22+44 LT.	REV. 23+05 LT. REV. 22+71 LT.	0.02A±		DRIVE DETOUR (T) (T) 0.01A±	MOOE	7-17-90	DANBY	44	205-207	783 S.F. ± 270 S.F. ±			MyLars to Structures 7-26-90				
1B			REV. 22+73 RT. REV. 22+67 RT. REV. 22+67 RT.	REV. 24+28 RT. REV. 22+98 RT. REV. 22+87 RT.	0.13A±		CONST. SLOPE (T) (T) 270 S.F. ± (T) 198 S.F. ±													
1C			REV. 22+00 RT. REV. 22+14 RT.	REV. 22+20 RT. REV. 22+22 RT.			CONST. SLOPE (T) (T) 170 S.F. ± (T) 20 S.F. ±													
2A	BROWN, CORY J. & BIANCA H.	4	REV. 22+71 LT. REV. 22+69 LT.	REV. 24+00 LT. REV. 24+70 LT.	0.06A±		DETOUR (T) (T) 0.09A±	WOOE	5-14-90	DANBY	44	95-6	2630 S.F. ± 3875 S.F. ±							
2B			REV. 23+60 RT. REV. 24+47 RT.	REV. 24+50 RT. REV. 24+87 RT.	0.04A±		CONST. (T) (T) 140 S.F. ±						1707 S.F. ±							
3	CONTINENTAL TELEPHONE COMPANY OF VT.												UTILITY							
4	CENTRAL VT. PUBLIC SERVICE CORPORATION												UTILITY							

ACCT:RYAN
ZFH70,0187,LABO.DGN
PRT: 87JMBD,PRF
DATE PLOTTED 19-JAN-1990

DR. (T)- DRAINAGE RIGHT
DIT. (T)- DITCHING RIGHT
CH. (T)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (T)- CULVERT RIGHT
[W] - WATER SOURCES

PRESENT R.O.W.
 TAKING WITHOUT ACCESS
 TAKING WITHOUT ACCESS ALONG PROPERTY LINE
 TAKING WITH ACCESS
 (P) PERMANENT EASEMENT
 (T) TEMPORARY EASEMENT

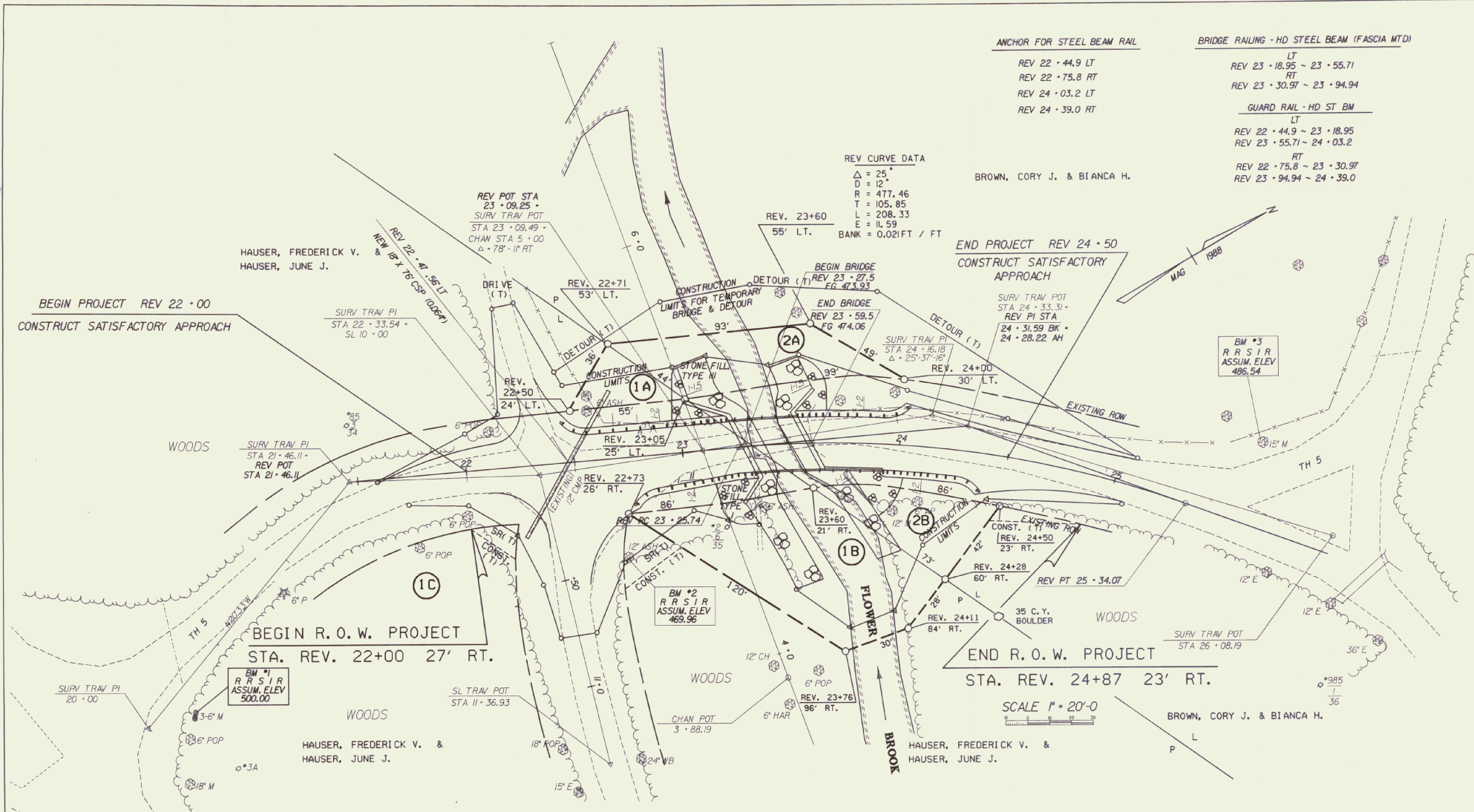
LEGEND

--- CONST. (T) --- CONSTRUCTION EASEMENT
 SR SLOPE RIGHTS
 P PROPERTY LINE
 L TOP OF CUT
 TOE OF SLOPE

APPROVED: LAWRENCE BLISS, L.S. DATE: 1-18-90
AGENT D, PLANS & TITLES

R. O. W. PLANS

DANBY
BRZ 1441 (20)
SHEET 3 OF 4



ANCHOR FOR STEEL BEAM RAIL

REV 22 + 44.9 LT
 REV 22 + 75.8 RT
 REV 24 + 03.2 LT
 REV 24 + 39.0 RT

BRIDGE RAILING - HD STEEL BEAM (FASCIA MTD)

LT
 REV 23 + 18.95 ~ 23 + 55.71
 RT
 REV 23 + 30.97 ~ 23 + 94.94
 LT
 REV 22 + 44.9 ~ 23 + 18.95
 REV 23 + 55.71 ~ 24 + 03.2
 RT
 REV 22 + 75.8 ~ 23 + 30.97
 REV 23 + 94.94 ~ 24 + 39.0

REV CURVE DATA
 $\Delta = 25^\circ$
 $D = 12'$
 $R = 477.46$
 $T = 105.85$
 $L = 208.33$
 $E = 11.59$
 BANK = 0.02 FT / FT

BROWN, CORY J. & BIANCA H.

END PROJECT REV 24 + 50
 CONSTRUCT SATISFACTORY
 APPROACH

SURV TRAV PI
 STA 24 + 33.31 -
 REV PI STA
 24 + 31.59 BK -
 24 + 28.22 AH

BM #3
 R R S I R
 ASSUM. ELEV
 486.54

BM #2
 R R S I R
 ASSUM. ELEV
 469.96

BM #1
 R R S I R
 ASSUM. ELEV
 500.00

END R.O.W. PROJECT
 STA. REV. 24+87 23' RT.

SCALE 1" = 20'-0"

BROWN, CORY J. & BIANCA H.

SURV TRAV PI 20 + 00 	SURV PI STA 21 + 46.11 - REV POT STA 21 + 46.11 	SURV PI 22 + 33.54 - SL TRAV POT STA 11 + 36.93 	SL TRAV POT STA 11 + 36.93 	SURV POT 23 + 09.49 - CHAN STA 5 + 00 	CHAN POT 3 + 88.19 	SURV TRAV PI STA 24 + 16.18 	SURV TRAV POT STA 26 + 08.19
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ACCT. WHTCOMB
 ZFNLTQJDBTJH6ROW.DGN
 PRF:
 DATE PLOTTED 15-JAN-1990

DANBY
 BRZ 1441 (20)
 R. O. W. SHEET 4 OF 4