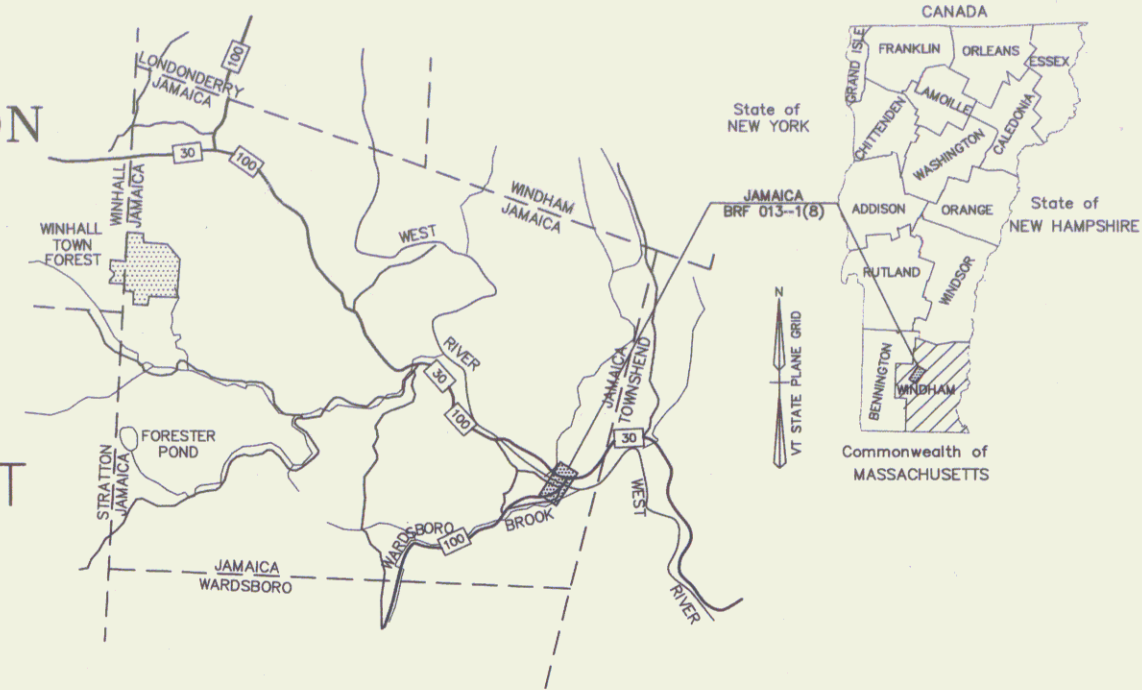


STATE OF VERMONT  
AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT  
TOWN OF JAMAICA  
COUNTY OF WINDHAM  
VT. ROUTE 100  
MINOR ARTERIAL



R.O.W. PLANS

END MAINTENANCE AGREE. ZONE NO. 1  
STA. 5+378.5 3.3M (11.0') RT.

BEGIN MAINTENANCE AGREE. ZONE NO. 1  
STA. 5+375.2 RT. 8.0M (26.2') RT.  
LENGTH 6.0M (19.7')

BEGINNING AT A POINT ON VT. ROUTE 100 APPROXIMATELY 420 m SOUTHERLY OF THE INTERSECTION OF VT. ROUTE 100 AND VT. ROUTE 30, EXTENDING NORTHEASTERLY ALONG VT. ROUTE 100 FOR 420 m.

LENGTH OF ROADWAY = 338.24 m  
LENGTH OF BRIDGE = 81.97 m  
LENGTH OF PROJECT = 420.21 m  
LENGTH OF ROW PROJECT = 488.61M (1603.05')

WORK TO BE PERFORMED UNDER THIS PROJECT CONSISTS OF THE REPLACEMENT OF EXISTING BRIDGE #80, ON VT ROUTE 100, INCLUDING ALL NECESSARY ROADWAY APPROACH WORK.

END MAINTENANCE AGREE. ZONE NO. 3  
STA. 5+465.0 7.3M (24') LT.

BEGIN R.O.W. PROJECT  
BRF 013-1(8) STA. 5+281.0  
21.8M (71.5') LT.

BEGIN RELINQUISHMENT NO. I  
STA. TH 56 0+109.5 8.0M (26.2') RT.

END RELINQUISHMENT NO. I  
STA. 5+390.5 7.5M (25') RT.

BEGIN RELINQUISHMENT NO. II  
STA. 5+456.9 12.7M (41.7') RT.

END RELINQUISHMENT NO. II  
STA. TH 43 0+279.5 7.5M (24.6') RT.

BEGIN MAINTENANCE AGREE. ZONE NO. 3  
STA. 5+465.5 3.3M (11') LT.  
LENGTH 4M (13')

BEGIN MAINTENANCE AGREE. ZONE NO. 2  
STA. TH 43 0+203.3 CL  
LENGTH 9.9M (32.4')

END MAINTENANCE AGREE. ZONE NO. 2  
STA. TH 43 0+213.2 CL

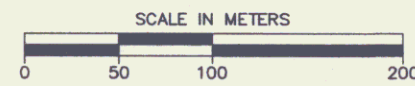
THE FOLLOWING RIGHT OF WAY PLAN SHEETS PERTAIN DIRECTLY TO THE ACQUISITION OF LAND AND RIGHTS NECESSARY TO CONSTRUCT THIS TRANSPORTATION PROJECT. SHEETS REGARDING SPECIFIC CONSTRUCTION DETAILS ARE NOT INCLUDED IN THIS RECORDED SET.

END R.O.W. PROJECT  
BRF 013-1(8) STA VT RT. 30  
3+076.5 CL

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 SECTION IIII, V.S.A.

CONVENTIONAL SIGNS	
COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	○ ○ ○ ○
POINT OF ACCESS	X
FENCE LINE	— x — x —
STONE WALL	— — — —
TRAVELED WAY	— — — —
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	— — — —

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1995, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON AUGUST 21, 1995 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

UNLESS OTHERWISE NOTED IN THESE PLANS, ALL STATIONS ARE IN KILOMETERS, ALL ELEVATIONS ARE IN METERS, AND ALL DIMENSIONS ARE IN MILLIMETERS.



540 Commercial St.  
Manchester, NH 03101  
PH: (603) 668-8223  
FAX: (603) 668-8802

APPROVED: \_\_\_\_\_ DATE: 7/25/00  
Director of Project Development

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
Chief of Right of Way

**JAMAICA**  
**BRF 013-1(8)**  
ROW SHEET 1 OF 23 SHEETS

MATERIAL ITEM	THICKNESS	TOLERANCE
PAVEMENT(TOTAL DEPTH ALL LAYERS)	± 5	
SUBBASE	± 30	
SAND BORROW	± 30	

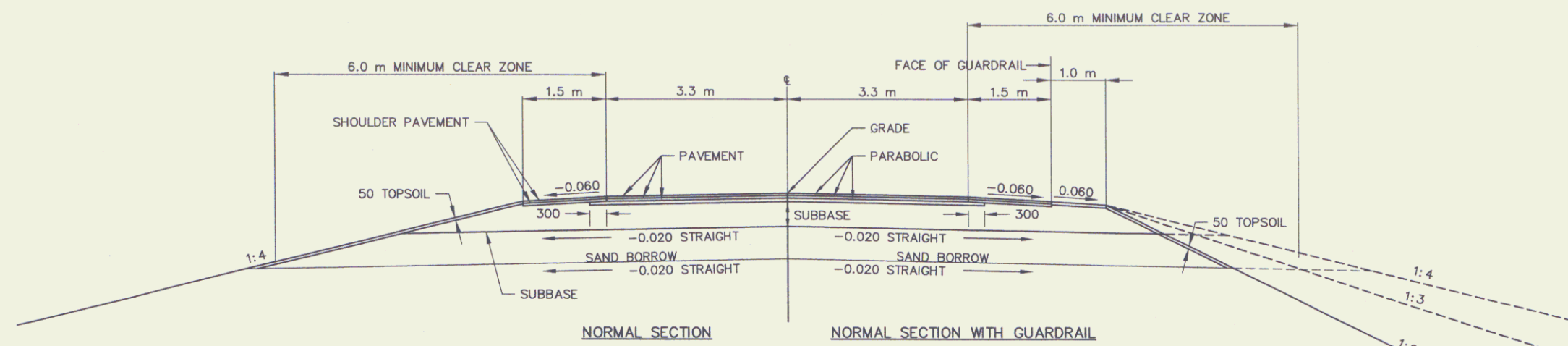
### TYPICAL SECTIONS

- 40 BITUMINOUS CONCRETE PAVEMENT (TYPE III) (PG 58-34)
- 50 BITUMINOUS CONCRETE PAVEMENT (TYPE II) (PG 58-34)
- 65 BITUMINOUS CONCRETE PAVEMENT (TYPE I) (PG 58-34)
- 460 SUBBASE OF DENSE GRADED CRUSHED STONE
- 600 SAND BORROW

- SHOULDERS:
- 40 BITUMINOUS CONCRETE PAVEMENT (TYPE III) (PG 58-34)
  - 50 BITUMINOUS CONCRETE PAVEMENT (TYPE II) (PG 58-34)

#### SEEDING FORMULA RURAL AREAS CONSERVATION MIX

% MASS	kg/ha	NAME	PUR %	GERM %
37.14	26	CREeping RED FESCUE	98	85
37.14	26	TALL FESCUE	95	90
5.71	4	RED TOP	95	90
14.30	10	BIRDSFOOT TREFOIL	98	85
5.71	4	ANNUAL RYE GRASS	95	85
100.00	70			



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

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

FERTILIZER: FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 560 kg/ha. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA)

AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE ENGINEER.

HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 4500 kg/ha OR AS DIRECTED BY THE ENGINEER.

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

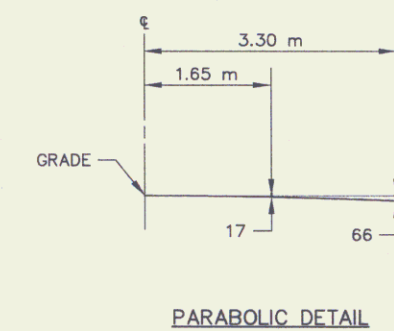
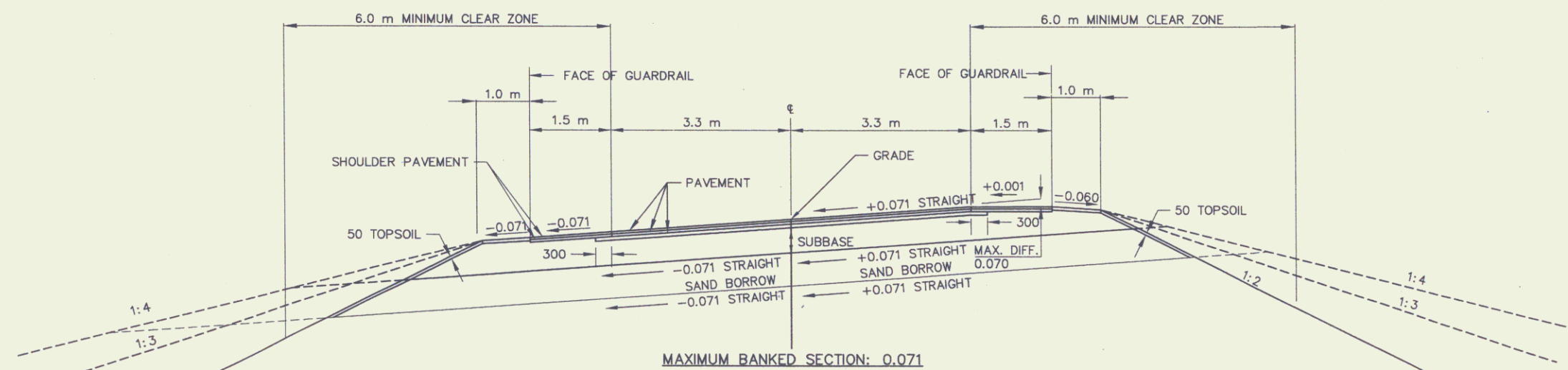
MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.

SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.

PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D-2.

AN EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.7 L/m<sup>2</sup> BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

FOR SLOPES IN SOLID ROCK EXCAVATION, AND DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, SEE STANDARD SHEET A-60



ALL DIMENSIONS IN MILLIMETERS  
EXCEPT AS INDICATED

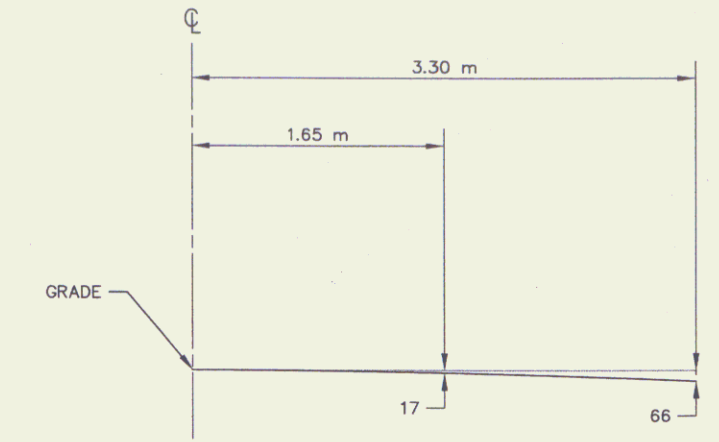
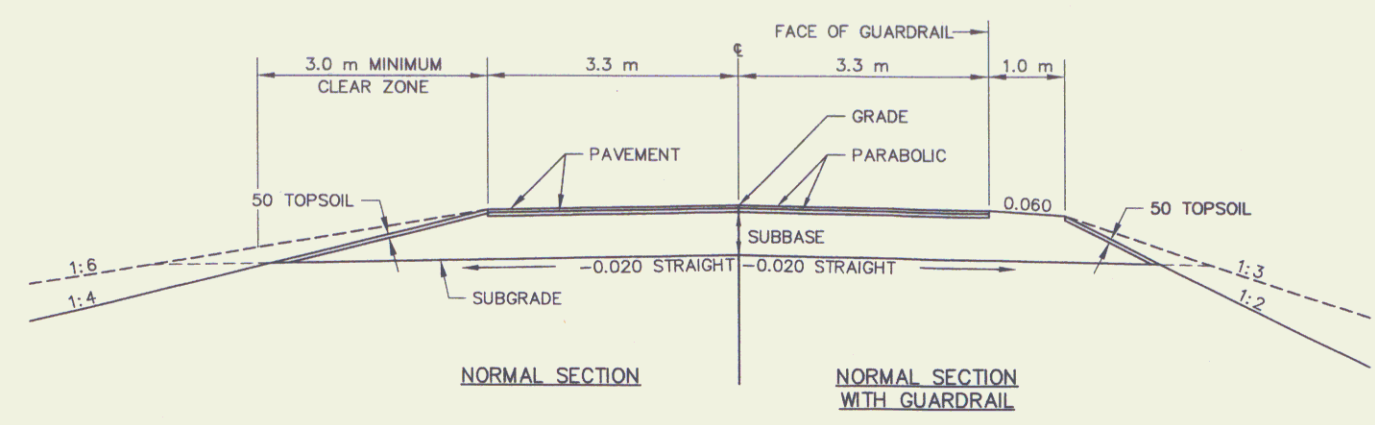
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DRAWN BY	SMC	DATE	11/96
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE	DATE PLOTTED		
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(B)		
ROW SHEET	2	OF 23 SHEETS	

MATERIAL ITEM	THICKNESS	TOLERANCE
PAVEMENT(TOTAL DEPTH ALL LAYERS)	± 5	
SUBBASE	± 30	
SAND BORROW	± 30	



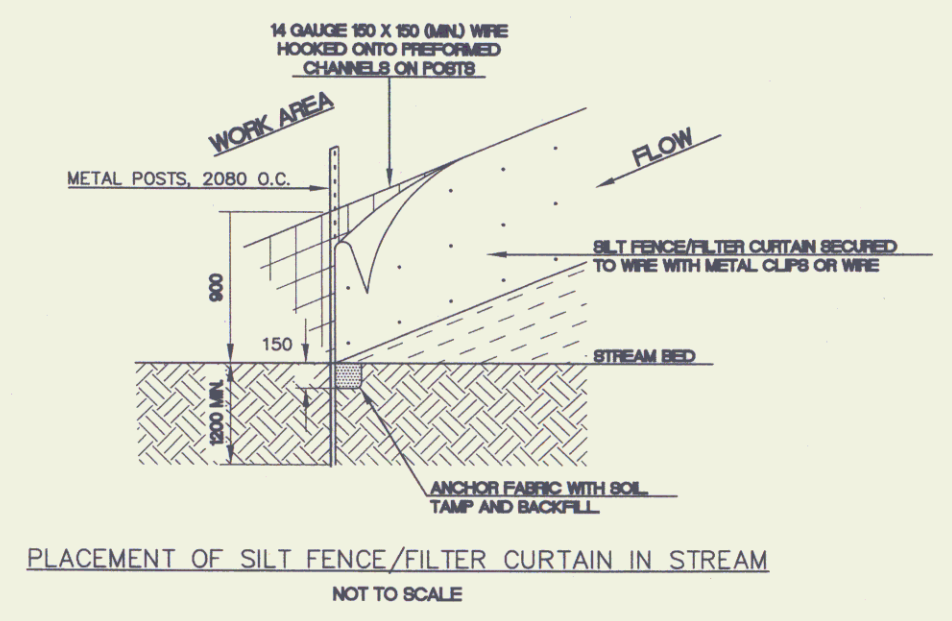
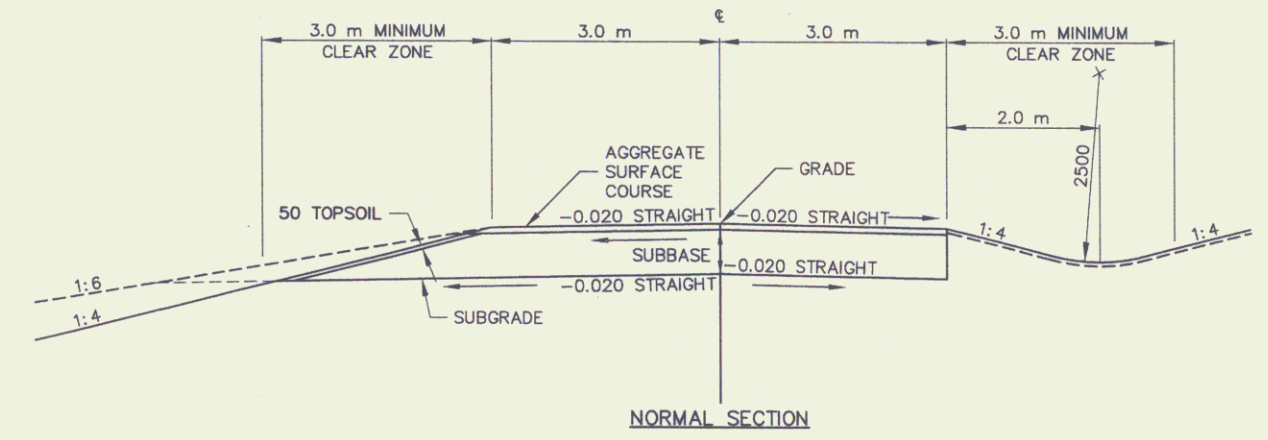
### TYPICAL SECTION (TH 41 & 43)

- 40 BITUMINOUS CONCRETE PAVEMENT (TYPE III) } (STA 0+104.8 TO 0+115.3 TH 41)
- 50 BITUMINOUS CONCRETE PAVEMENT (TYPE II) } (STA 0+204.8 TO 0+215.3 TH 43)
- 460 SUBBASE OF DENSE GRADED CRUSHED STONE
  
- 80 AGGREGATE SURFACE COURSE } (STA 0+115.3 TO 0+200 TH 41)
- 460 SUBBASE OF DENSE GRADED CRUSHED STONE } (STA 0+215.3 TO 0+320 TH 43)



### TYPICAL SECTION (TH 56)

- 80 AGGREGATE SURFACE COURSE
- 460 SUBBASE OF DENSE GRADED CRUSHED STONE

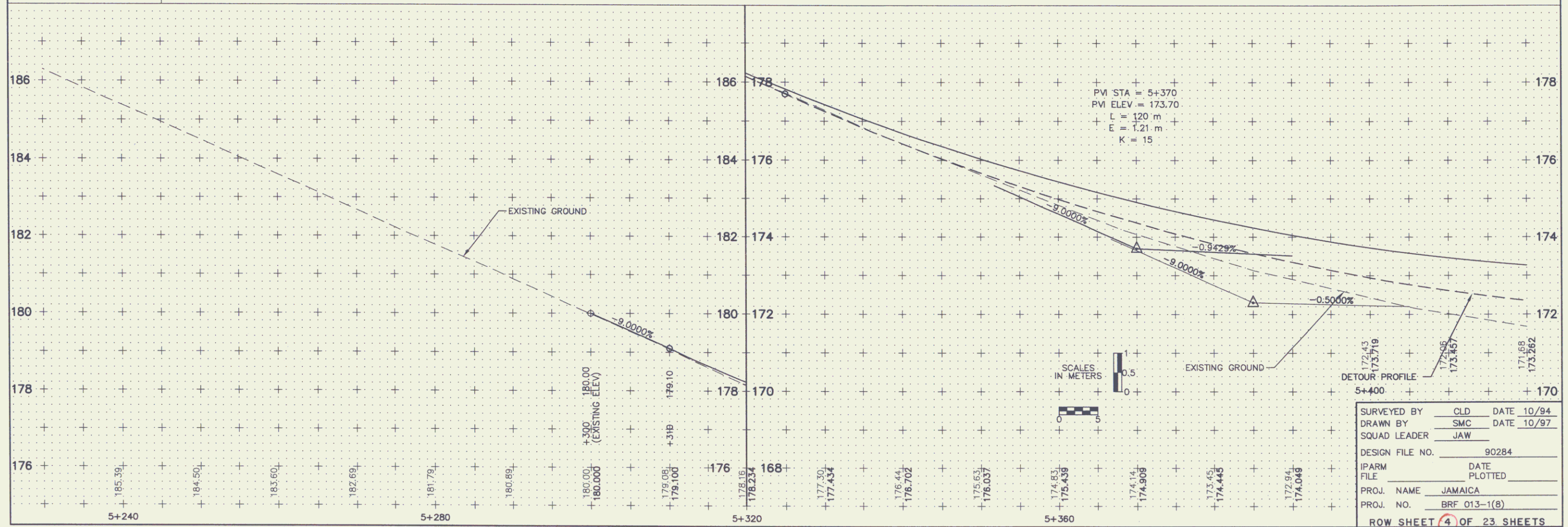


ALL DIMENSIONS IN MILLIMETERS EXCEPT AS INDICATED

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DRAWN BY	SMC	DATE	1/95
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE		DATE PLOTTED	
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(8)		

ROW SHEET 3 OF 23 SHEETS

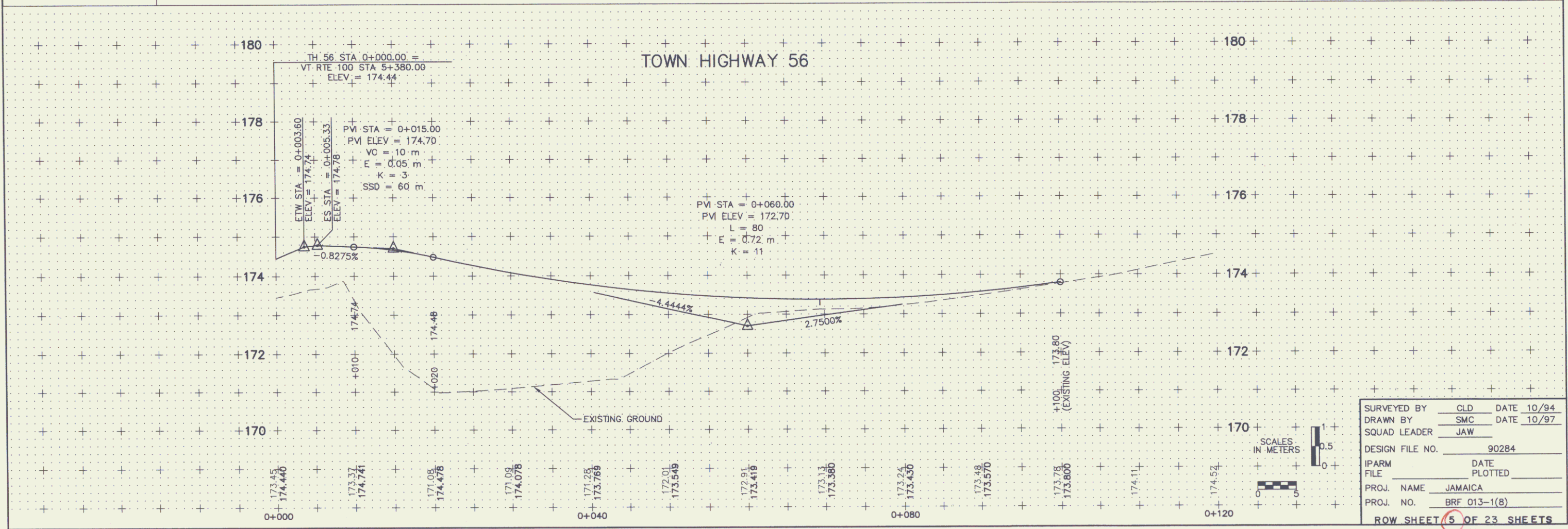
**DATUM**  
 VERTICAL NGVD 1929  
 HORIZONTAL N/A



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DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
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PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(B)		
ROW SHEET 4 OF 23 SHEETS			

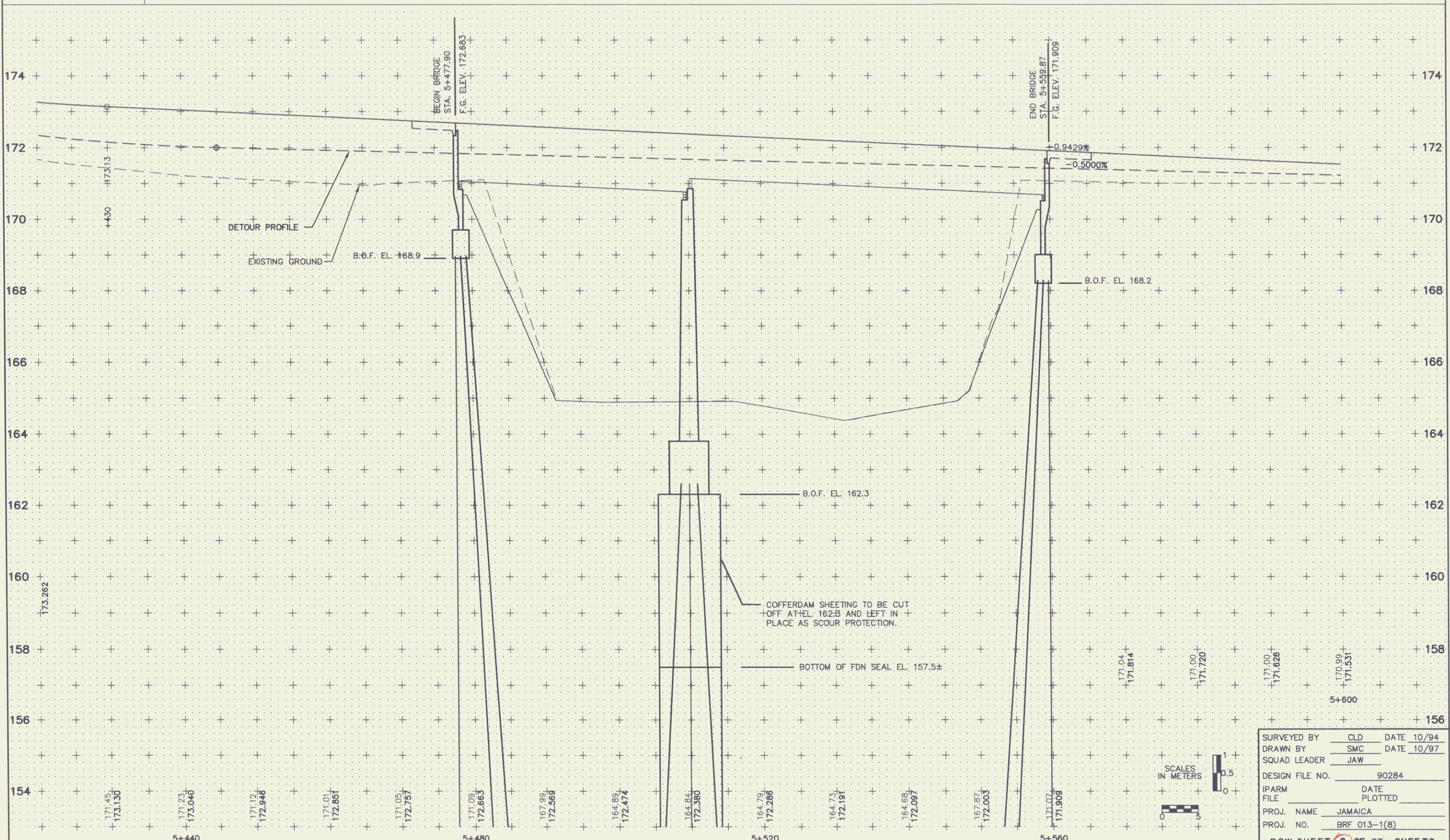
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 VERTICAL NGVD 1929  
 HORIZONTAL N/A



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 DRAWN BY SMC DATE 10/97  
 SQUAD LEADER JAW  
 DESIGN FILE NO. 90284  
 IPARM DATE  
 FILE PLOTTED  
 PROJ. NAME JAMAICA  
 PROJ. NO. BRF 013-1(B)  
 ROW SHEET 5 OF 23 SHEETS

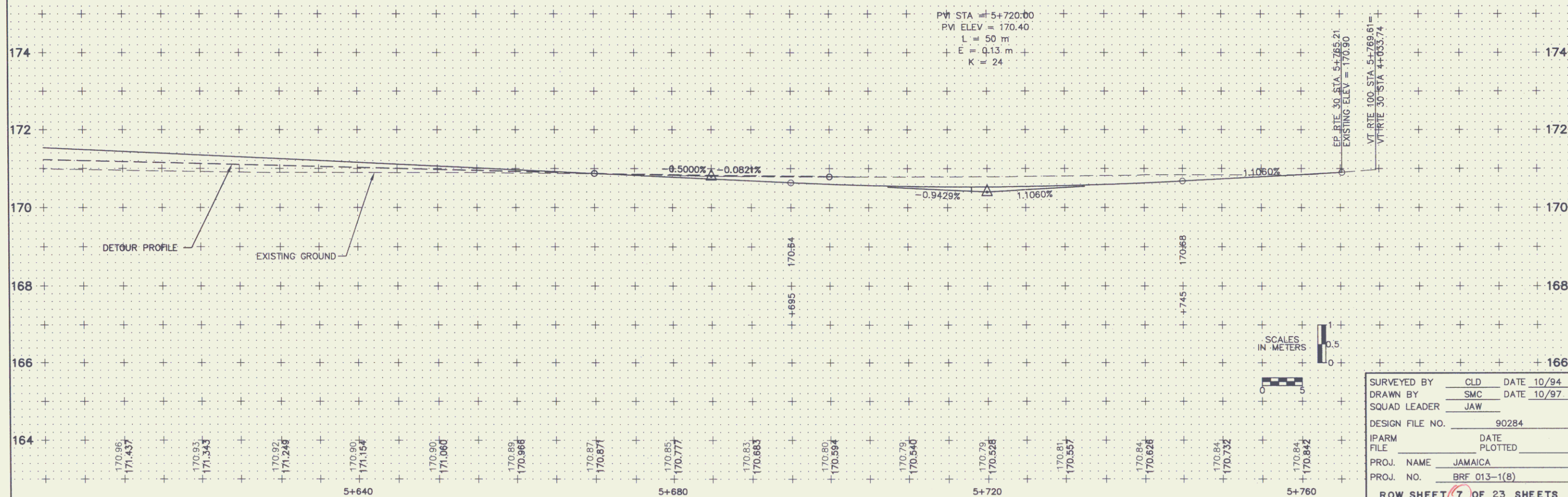
**DATUM**  
 VERTICAL NGVD 1929  
 HORIZONTAL N/A



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DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE	DATE	PLOTTED	
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(8)		

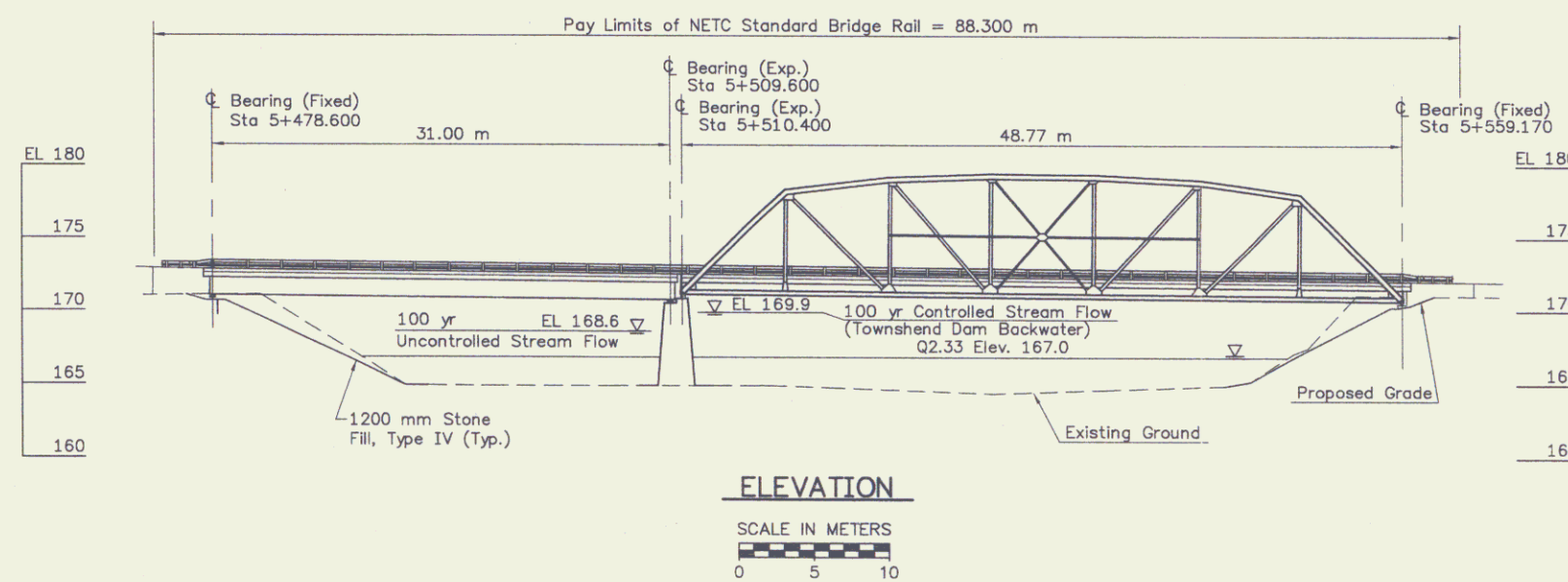
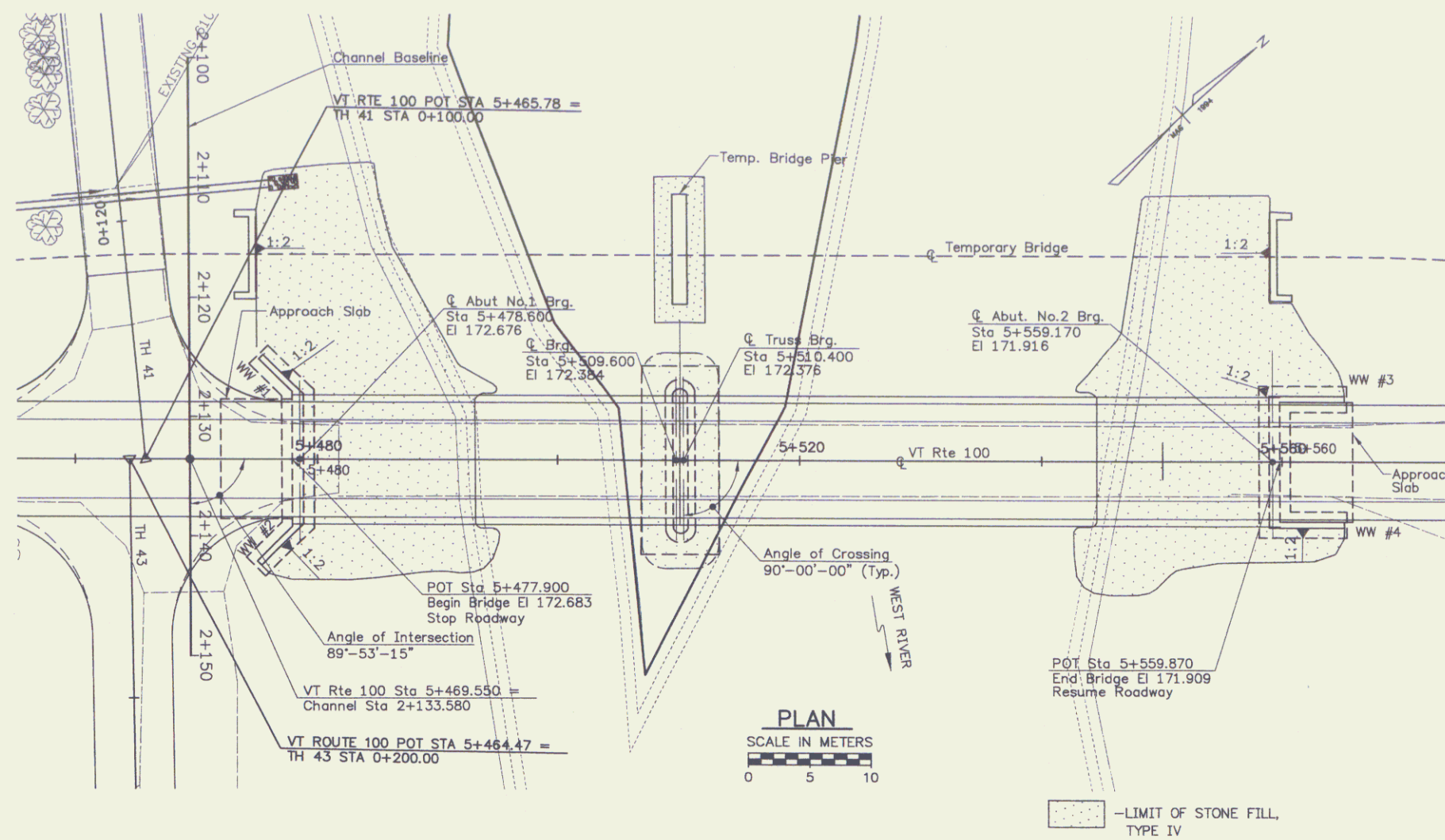
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**DATUM**  
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 HORIZONTAL N/A



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DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE	DATE	PLOTTED	
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(6)		
ROW SHEET	7	OF	23 SHEETS



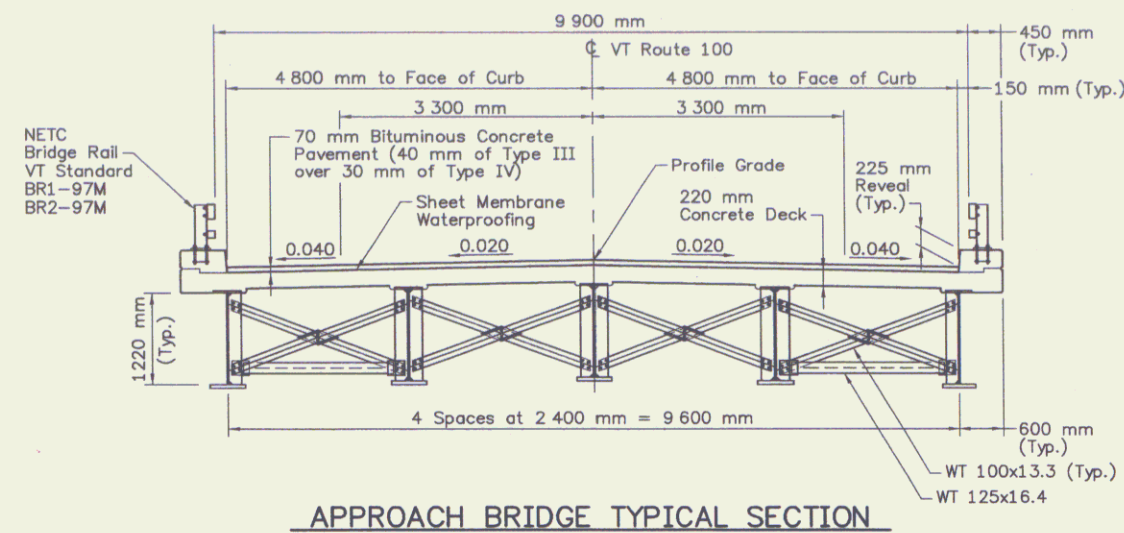
LOCATION	ENDPST DIST. TO DECK END	APPROACH RAIL LENGTH	RADIUS
● WW #1	700 mm	7620 mm	10 000 mm
● WW #2	700 mm	7620 mm	10 000 mm
● WW #3	770 mm	7620 mm	0 mm
● WW #4	770 mm	7620 mm	0 mm

STATE OF VERMONT AGENCY OF TRANSPORTATION		
Town Of	JAMAICA	Bridge No.
Highway No.	VT RTE. 100	Log Sta.
		Surv. Sta.
VT ROUTE 100 OVER WEST RIVER		
PLAN AND ELEVATION		
Designed By	LM	Drawn By
Checked By	Date	Bridge Design Supervisor
		Date
PROJECT	JAMAICA	PROJECT NO.
I.G.C. info.		
ROW SHEET 8 OF 23 SHEETS		

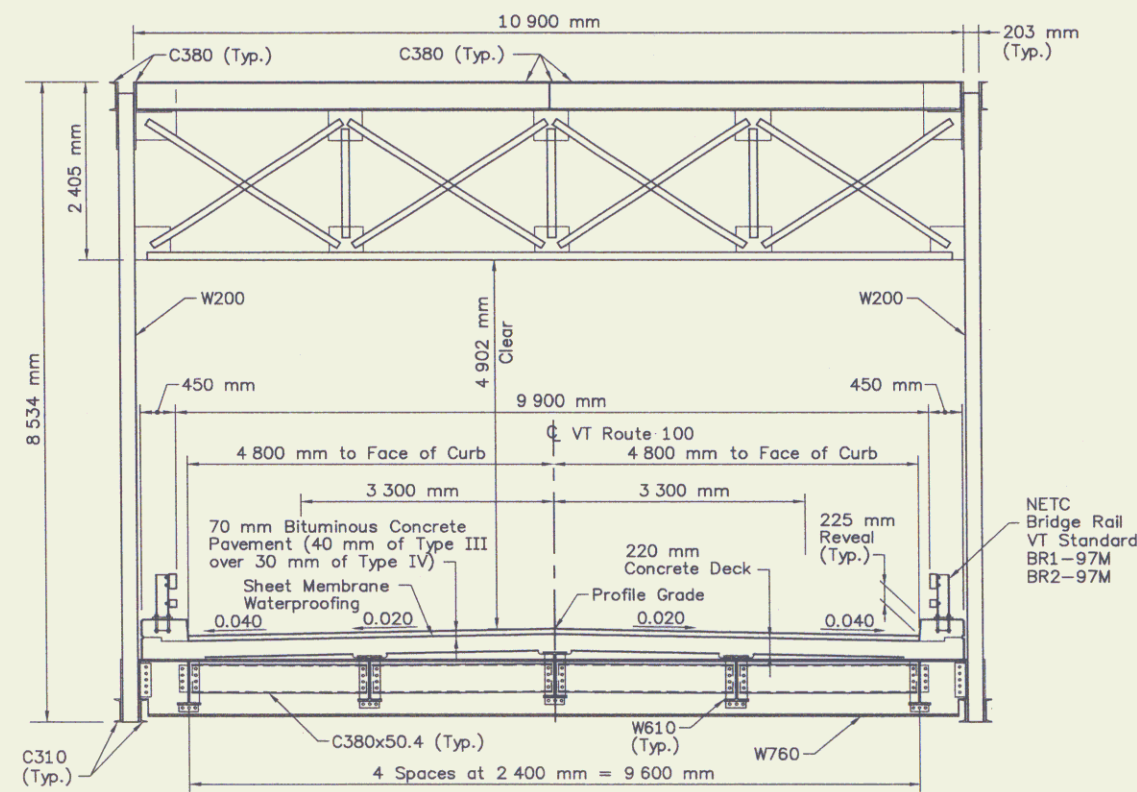


BMM-GENP.DWG

FINAL HYDRAULICS REPORT



APPROACH BRIDGE TYPICAL SECTION



TRUSS BRIDGE TYPICAL SECTION



### HYDRAULIC DATA

- DRAINAGE AREA: 805.5 km<sup>2</sup>
- CHARACTER OF TERRAIN: MOUNTAINOUS
- CHARACTER AND TYPE OF STREAM: PERENNIAL CONTROLLED BY USACOE DAMS
- NATURE OF STREAMBED: DEEP, DENSE, SANDY GRAVEL, COVERED BY BOULDER LAYER
- DATE OF FLOOD OF RECORD: UNCONTROLLED: NOV 1927; CONTROLLED: APR 1987
- WATER SURFACE ELEVATION: 169.0 (169.5) ESTIMATED DISCHARGE: 736 (170-238) m<sup>3</sup>/s
- NATURAL STREAM VELOCITY:  $Q = 2.33 = 0.3 - 0.8$  m/s
- ICE CONDITIONS: MODERATE TO HEAVY DEBRIS LIGHT TO MODERATE
- DOES THE STREAM REACH MAX. HIGHWATER ELEVATION RAPIDLY? UNCONTROLLED: YES; CONTROLLED: NO
- TRIBUTARIES BELOW BALL MOUNTAIN RESERVOIR ARE FLASHY
- IS ORDINARY RISE RAPID? DAM OPERATIONS DAMPEN RISE
- IS STAGE AFFECTED BY UPSTREAM/DOWNSTREAM CONDITIONS? YES, USACOE DAMS
- IF STAGE DESCRIBE: UPSTREAM BALL MOUNTAIN DAM CONTROLS DISCHARGE, DOWNSTREAM TOWNSHEND DAM CAN CAUSE HIGH BACKWATER
- WATERSHED STORAGE: 62% HEADWATERS X UNIFORM THROUGHOUT WATERSHED

### EXISTING STRUCTURE

- STRUCTURE TYPE: STEEL TRUSS W/STEEL GIRDER APPROACH SPANS YEAR BUILT: 1929
- CLEAR SPAN (NORMAL TO STREAM): 12 m - 49 m - 12 m
- VERTICAL CLEARANCE ABOVE STREAMBED: 5.5 m
- WATERWAY OF FULL OPENING: 351 m<sup>2</sup>
- DISPOSITION OF STRUCTURE: TO BE REMOVED
- TYPE OF MATERIAL UNDER SUBSTRUCTURE: SANDY GRAVEL
- WATER SURFACE ELEVATION\*  $Q = 2.33 = 167.04 (169.80)$  m VELOCITY = 1.14 (0.26) m/s

\* WATER SURFACE ELEVATIONS LISTED ARE BASED ON A UNCONTROLLED STREAM FLOW AND NO BACKWATER FROM THE TOWNSHEND DAM. WATER SURFACE ELEVATIONS FOR THE CONTROLLED STREAM FLOW WITH BACKWATER FROM THE TOWNSHEND DAM ARE LISTED IN PARENTHESES.

### PROPOSED STRUCTURE

- STRUCTURE TYPE: STEEL TRUSS AND PLATE GIRDER WITH CENTER PIER
- CLEAR SPAN LENGTH(S) NORMAL TO STREAM: 48.8 m - 31.0 m
- VERTICAL CLEARANCE ABOVE STREAMBED: 6.4 m
- ARE PROVISIONS TO BE MADE FOR PUBLIC UTILITIES? NO

### PERMIT INFORMATION

AVERAGE DAILY FLOW: 13.8 m<sup>3</sup>/s  
 ORDINARY LOW WATER: 6.0 m<sup>3</sup>/s DEPTH: 0.6 m  
 ORDINARY HIGH WATER: 40.7 m<sup>3</sup>/s DEPTH: 1.1 m

### TRAFFIC DATA

FUNCTIONAL CLASSIFICATION: MINOR ARTERIAL

1999 ADT = 1860  
 2019 ADT = 2520  
 2019 ADTT = 190  
 1999 DHV = 260  
 2019 DHV = 355  
 D = 56%  
 T = 8%  
 V = 80 km/h  
 1999-2019 18 KIP ESAL = 1 178 000  
 1999-2039 18 KIP ESAL = 2 957 000

### TEMPORARY BRIDGE REQUIREMENTS

- STRUCTURE TYPE: MULTI-SPAN BRIDGE
- CLEAR SPAN LENGTH(S) NORMAL TO STREAM: 84 m TOTAL
- VERTICAL CLEARANCE ABOVE STREAMBED: SEE NOTES BELOW
- WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM): 332 m<sup>2</sup> SEE NOTES BELOW

NOTE: 1. LOW STEEL FOR TEMPORARY BRIDGE IS EL. 170.0 W/ NO FILL BELOW EL. 167.0

TRAFFIC MAINTENANCE:

- IS TRAFFIC TO BE MAINTAINED? YES IF YES, ON EXISTING STRUCTURE OR ON TEMPORARY BRIDGE - X
- TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY ONE WAY
- TRAFFIC CONTROL SIGNALS REQUIRED YES
- ARE SIDEWALKS REQUIRED? NO IF SO, ON WHAT SIDE?

STRUCTURE TYPE: BRIDGE

NOTES:

- ALL HORIZONTAL REQUIREMENTS ARE PERPENDICULAR TO THE STREAM.
- THE CONTRACTOR SHALL NOT CUT EXISTING STREAM BANKS TO PROVIDE MINIMUM OPENINGS.

### DESIGN CRITERIA

- DESIGN LIVE LOAD AASHTO: MS22.5
- DESIGN SPAN: TRUSS: 48.77 m APPROACH: 31.00 m
- ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL: ON LEDGE
- ALLOWABLE LOAD FOR PILING: TYPE ESTIMATED LENGTH
- ALLOWABLE STRESS FOR STRUCTURAL STEEL AASHTO M270M OR 345 PAINTED TENSION: 186 MPa
- ALLOWABLE STRESS FOR REINFORCING STEEL AASHTO M31M GRADE 420 TENSION: 165 MPa COMPRESSION: 138 MPa
- ALLOWABLE STRESS FOR CONCRETE CLASS A:  $f_c = 30$  MPa  $f_t = 10$  MPa  
 CLASS B:  $f_c = 25$  MPa  $f_t = 10$  MPa  
 SILICA FUME:  $f_c = 35$  MPa  $f_t = 15$  MPa

### LOAD RATING (TONS)(LOAD FACTOR)

RATING LEVEL	TRUCK				
	H	HS	3S2	6 AXLE 3A STR	4A STR 5A SEM
INVENTORY					
POSTED					
OPERATING					

### STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of: JAMAICA Bridge No. 80  
 Highway No. VT. Route 100 Log Sta. \_\_\_\_\_  
 Surv. Sta. \_\_\_\_\_  
 VT. Route 100 over the West River

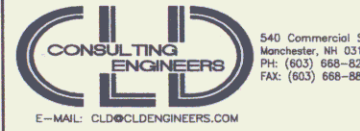
### REVISIONS

NO.	DESCRIPTION	BY & DATE

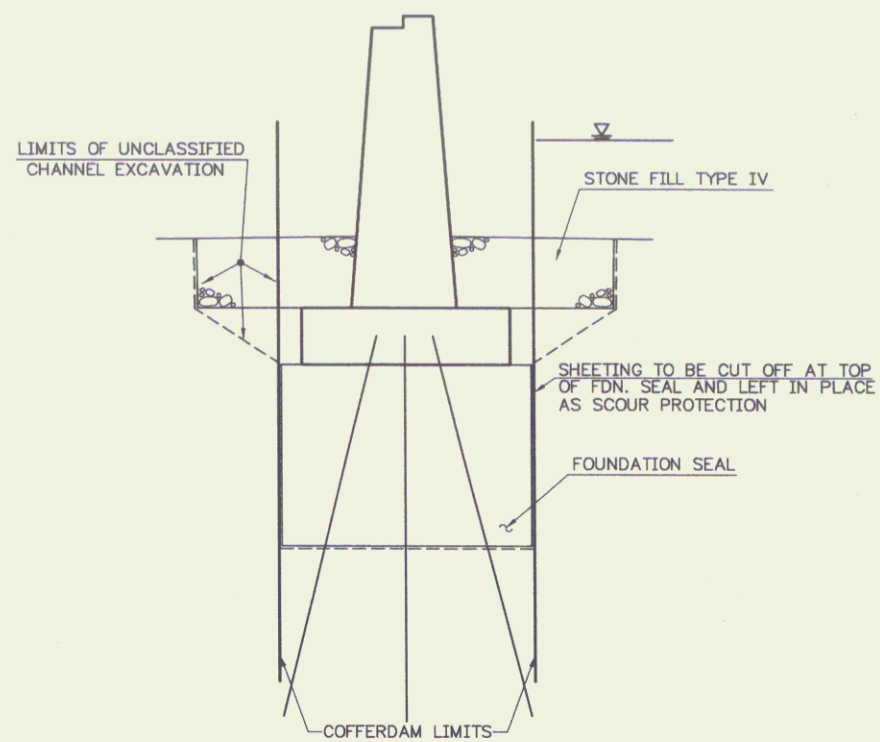
### PRELIMINARY INFORMATION (1 of 2)

Designed By: L. M. MARTIN Drawn By: G. F. BONIN  
 Checked By: \_\_\_\_\_ Date: \_\_\_\_\_ Bridge Design Supervisor: \_\_\_\_\_ Date: \_\_\_\_\_

PROJECT: JAMAICA PROJECT NO.: BRF 013-1(8)  
 I.G.C. Info: \_\_\_\_\_

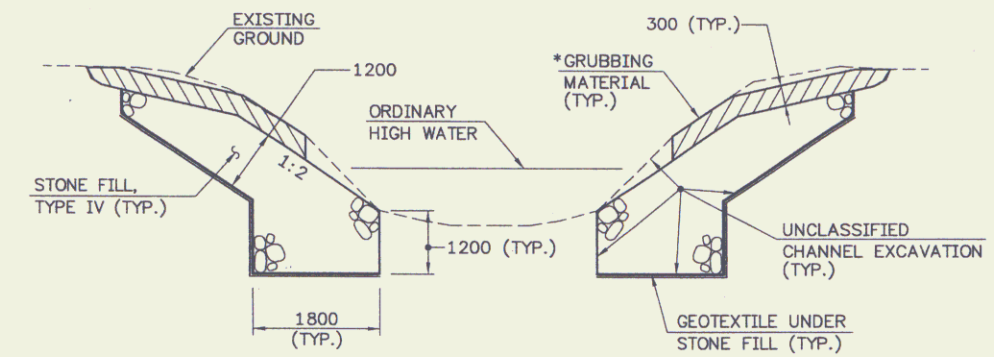


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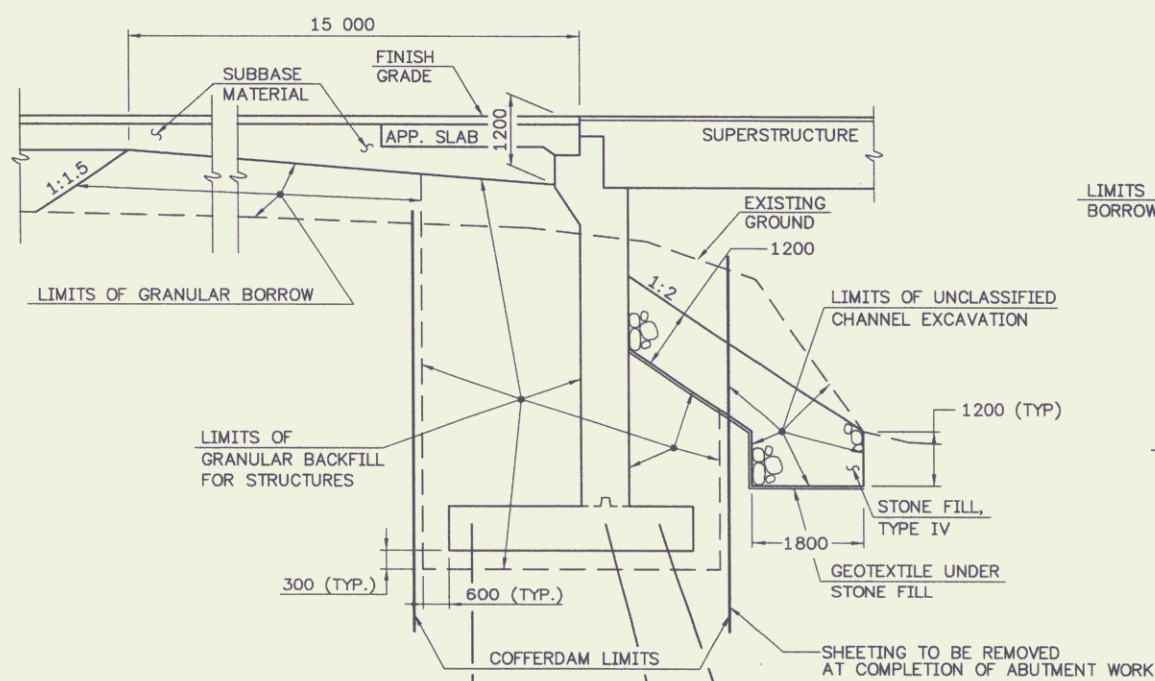


**TYPICAL PIER EARTHWORK SECTION**  
(NOT TO SCALE)

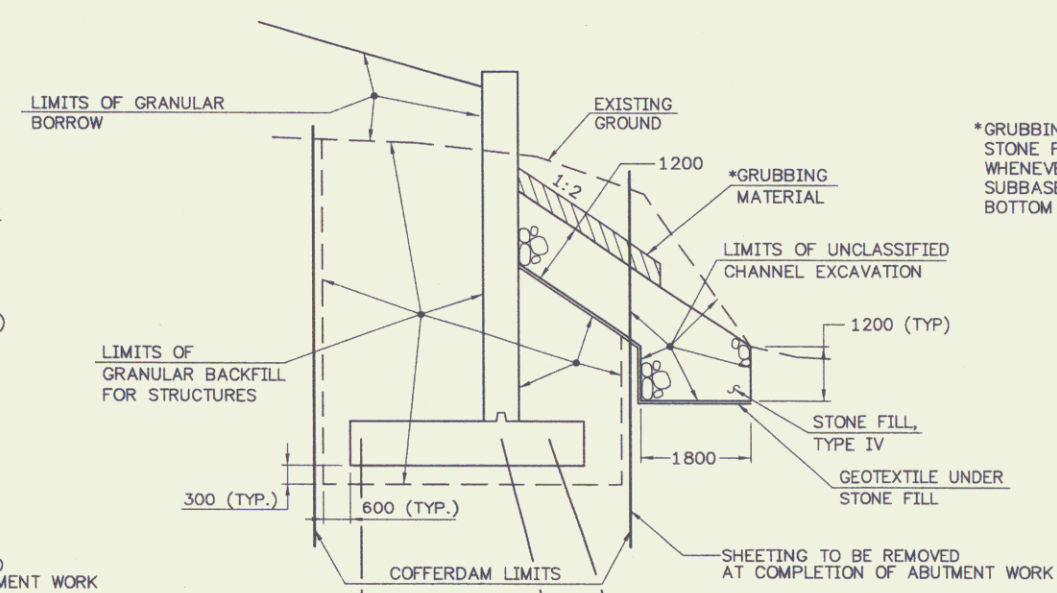
- COFFERDAM NOTES**
1. COFFERDAM LIMITS TO BE DETERMINED BY THE CONTRACTOR.
  2. FOR PURPOSES OF ESTIMATING EARTHWORK QUANTITIES, THE LIMITS OF COFFERDAM HAVE BEEN ASSUMED TO BE 600mm OUTSIDE THE PERIMETER OF THE FOOTING.
  3. 300mm UNDERCUT AS DETERMINED NECESSARY BY THE RESIDENT ENGINEER.
  4. IF A COFFERDAM IS CONSTRUCTED WHICH IS MORE THAN THE INDICATED MINIMUM DISTANCE OUTSIDE THE FOOTING LIMITS, PAYMENT FOR ALL UNCLASSIFIED CHANNEL EXCAVATION INCLUDING THAT PORTION WHICH IS INSIDE THE COFFERDAM BUT OUTSIDE THE MINIMUM COFFERDAM LIMITS SHOWN WILL BE MADE AT THE CONTRACT UNIT PRICE FOR UNCLASSIFIED CHANNEL EXCAVATION.



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



**TYPICAL ABUTMENT EARTHWORK SECTION**  
(NOT TO SCALE)



**TYPICAL WINGWALL EARTHWORK SECTION**  
(NOT TO SCALE)

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

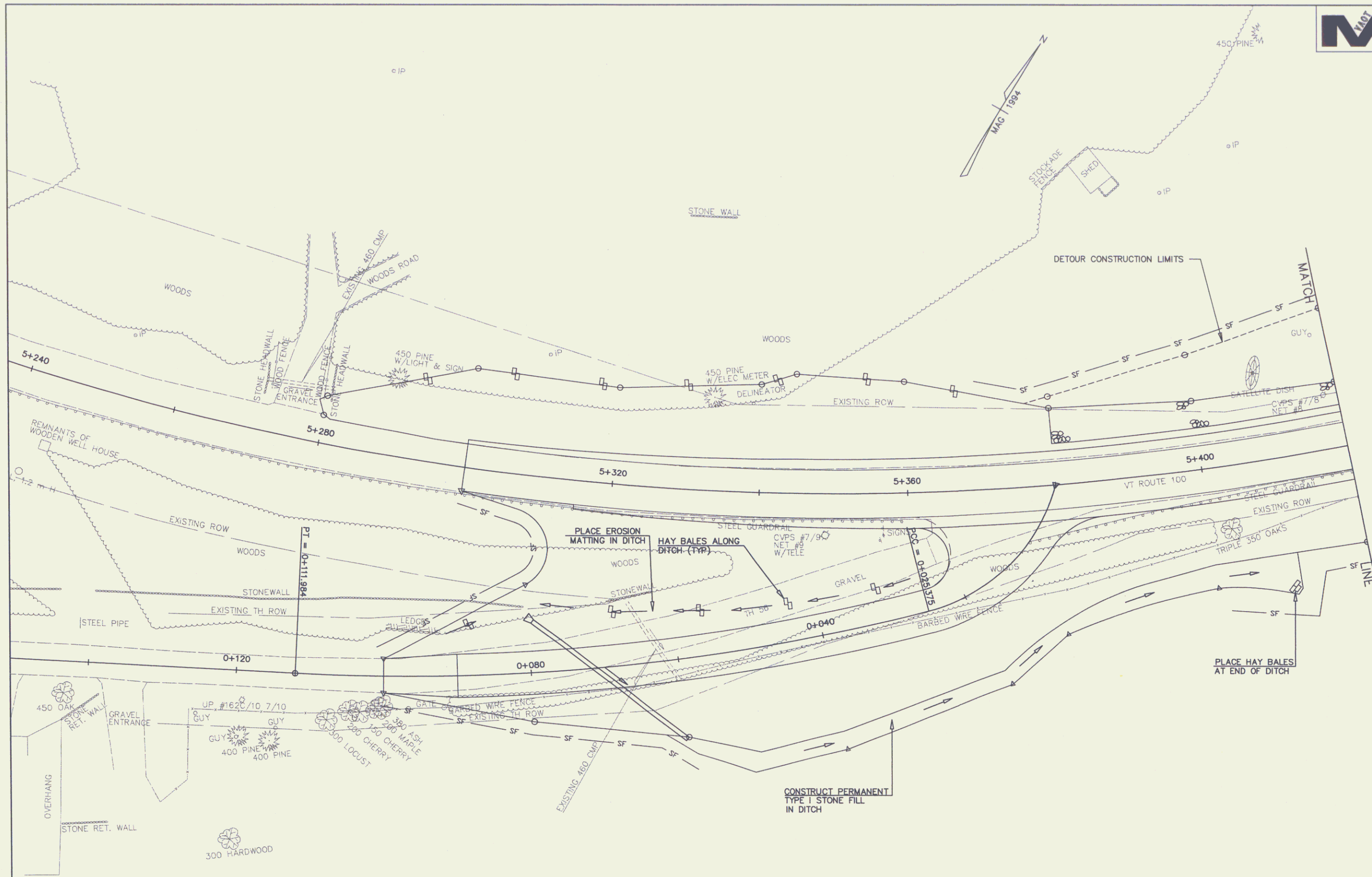


<b>STATE OF VERMONT</b>			
<b>AGENCY OF TRANSPORTATION</b>			
Town Of	JAMAICA	Bridge No.	80
Highway No.	VT. Route 100	Log Sta.	
		Surv. Sta.	
VT. Route 100 over the West River			
<b>PRELIMINARY INFORMATION (2 of 2)</b>			
Designed By	L. M. MARTIN	Drawn By	G. F. BONIN
Checked By	Date	Bridge Design Supervisor	Date
PROJECT	JAMAICA	PROJECT NO.	BRF 013-1(B)
I.G.C. Info.			
<b>ROW SHEET 10 OF 23 SHEETS</b>			



240 Commercial St.  
Manchester, NH 03101  
Ph: (603) 868-8223  
Fax: (603) 868-9823

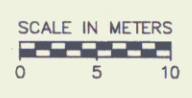
BL-P2.dwg (1=1) 9/28/84



- NOTES:**
- UPON COMPLETION OF THE GRADING OPERATIONS FOR EARTH SIDESLOPE AREAS, THE CONTRACTOR SHALL IMMEDIATELY ESTABLISH VEGETATION IN ACCORDANCE WITH THE SEEDING REQUIREMENTS ON SHEET \_\_\_\_\_
  - SEE VAOT STANDARD DRAWINGS T-1M AND T-2M FOR TEMPORARY EROSION CONTROL DETAILS.

**LEGEND**

— SF —	= SILT FENCE
— FC —	= FILTER CURTAIN
□	= HAY BALE



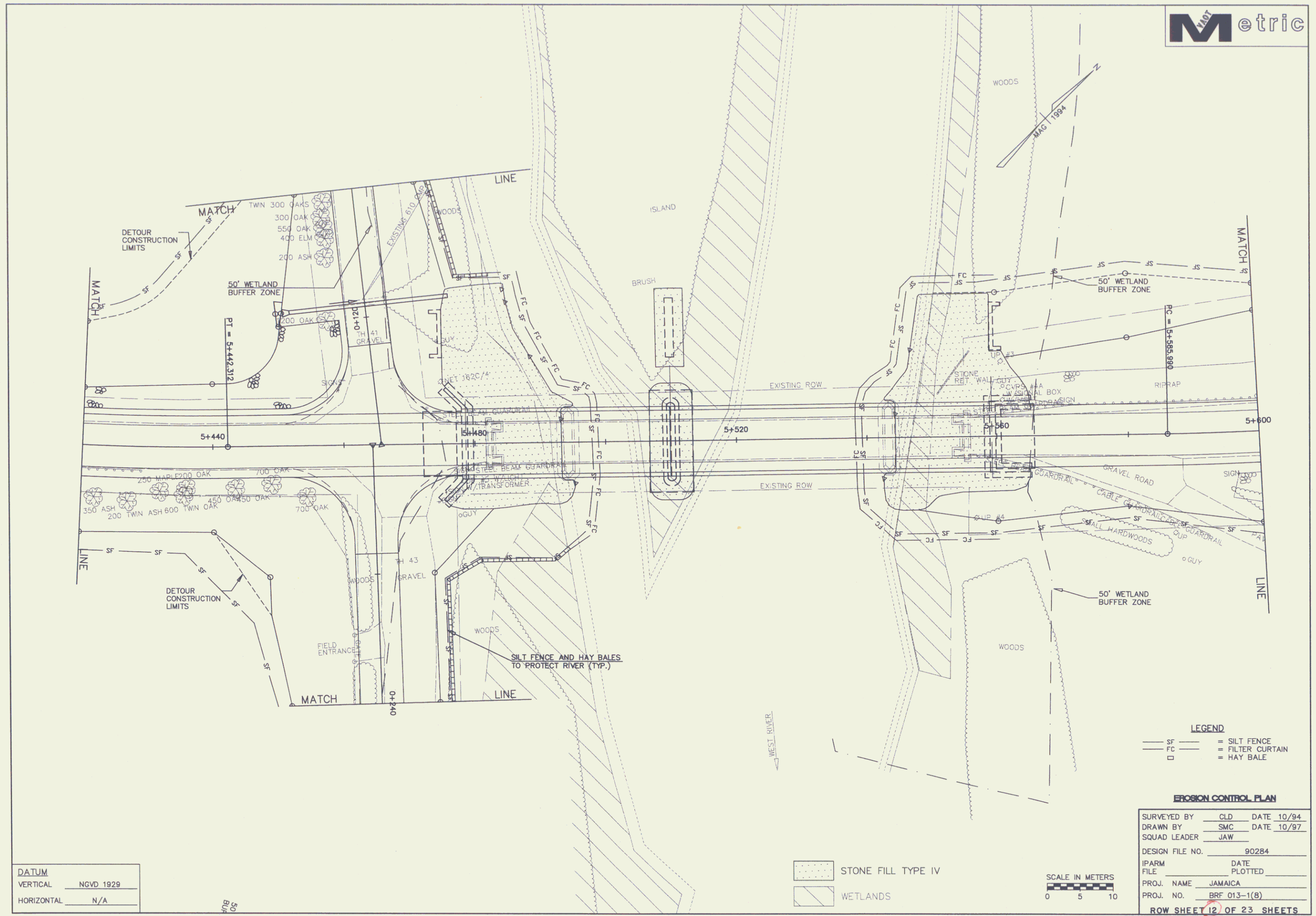
**DATUM**

VERTICAL	NGVD 1929
HORIZONTAL	N/A

**EROSION CONTROL PLAN**

SURVEYED BY	CLD	DATE	10/94
DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE		DATE PLOTTED	
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(6)		

ROW SHEET 11 OF 23 SHEETS



DATUM  
 VERTICAL NGVD 1929  
 HORIZONTAL N/A

50  
 BR

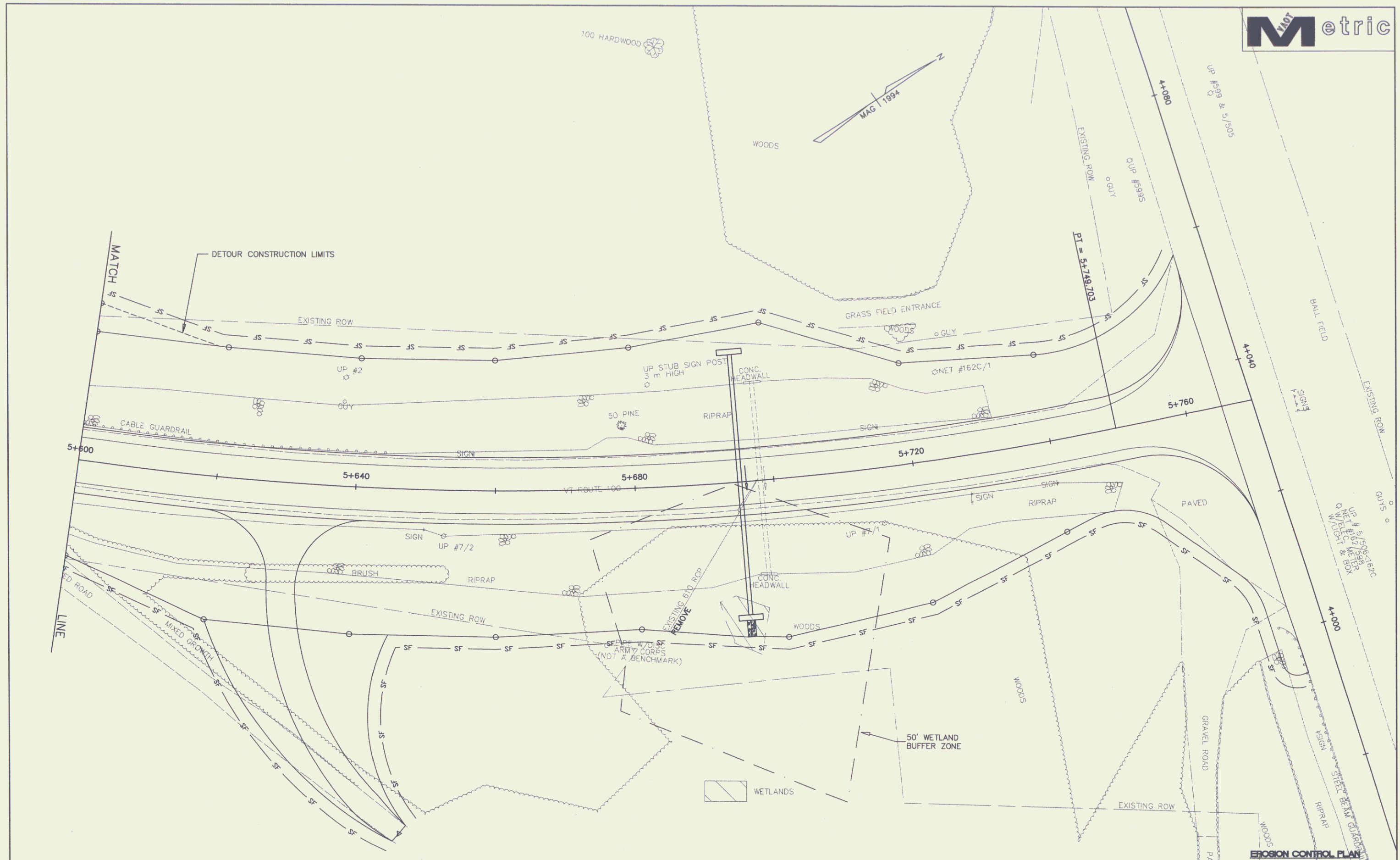
90284-PL.dwg 05/18/00 01:53:21 PM EDT

LEGEND  
 SF = SILT FENCE  
 FC = FILTER CURTAIN  
 □ = HAY BALE

EROSION CONTROL PLAN  
 SURVEYED BY CLD DATE 10/94  
 DRAWN BY SMC DATE 10/97  
 SQUAD LEADER JAW  
 DESIGN FILE NO. 90284  
 IPARM DATE  
 FILE PLOTTED  
 PROJ. NAME JAMAICA  
 PROJ. NO. BRF 013-1(8)  
 ROW SHEET 12 OF 23 SHEETS

SCALE IN METERS  
 0 5 10

STONE FILL TYPE IV  
 WETLANDS

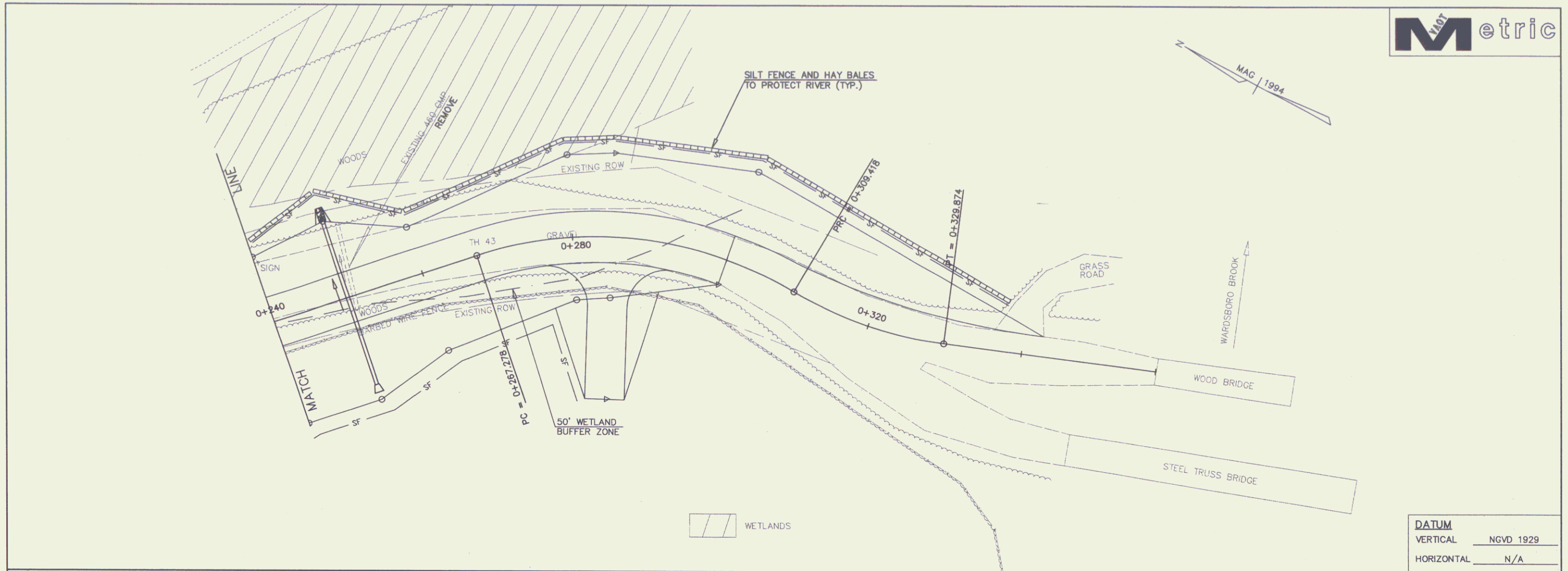


DATUM  
 VERTICAL NGVD 1929  
 HORIZONTAL N/A

**LEGEND**  
 — SF — = SILT FENCE  
 — FC — = FILTER CURTAIN  
 □ = HAY BALE

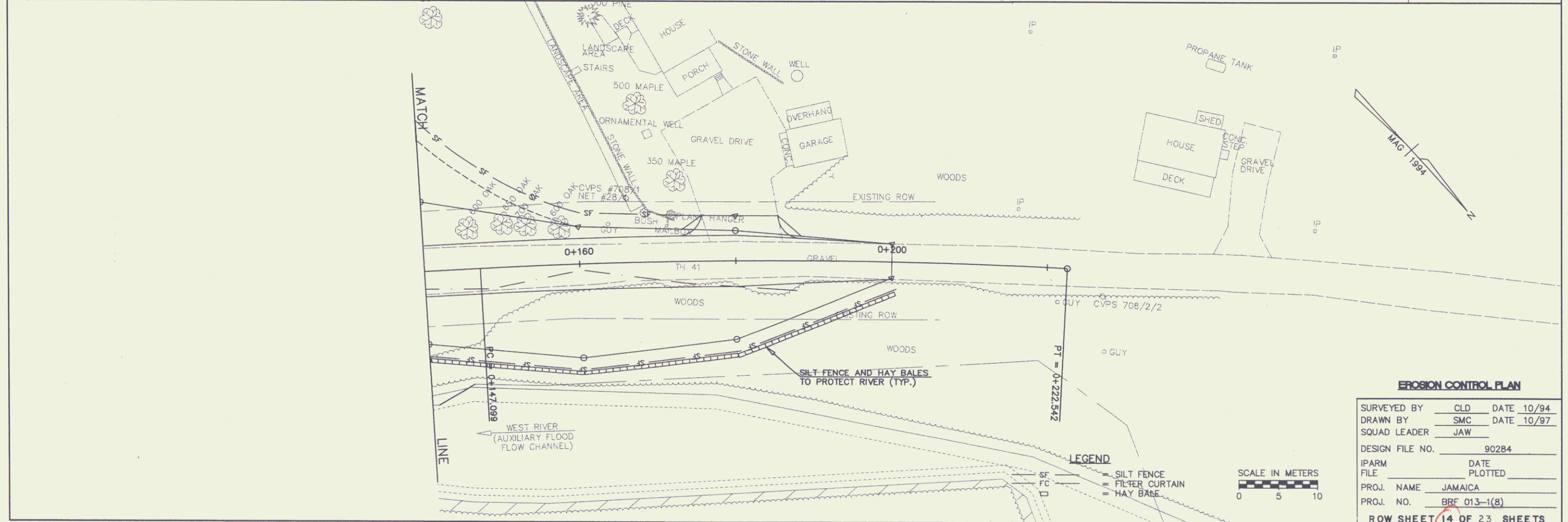
SCALE IN METERS  
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**EROSION CONTROL PLAN**  
 SURVEYED BY CLD DATE 10/94  
 DRAWN BY SMC DATE 10/97  
 SQUAD LEADER JAW  
 DESIGN FILE NO. 90284  
 IPARM DATE  
 FILE PLOTTED  
 PROJ. NAME JAMAICA  
 PROJ. NO. BRF 013-1(8)  
**ROW SHEET 13 OF 23 SHEETS**



**DATUM**

VERTICAL	NGVD 1929
HORIZONTAL	N/A



**EROSION CONTROL PLAN**

SURVEYED BY	CLD	DATE	10/94
DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE		DATE PLOTTED	
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(B)		
<b>ROW SHEET 14 OF 23 SHEETS</b>			



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

TABLE OF PROJECT PROPERTY ACQUISITION

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	ROBINSON, HARRY C.	21	5+281.0 RT.	5+321.5 RT.	0.03HA±			WD	06-05-02	JAMAICA	84	471	0.09A±, INCLUDES STONEWALL	1	20	PARCEL NO. 4 TEEKE. ADD DRY WELL TOPO WITH THE NOTE 'DO NOT DISTURB.' PER C.O. 9212.	12-04-01	P. J. H.	R. P. D.
1B		21	5+281.0 RT.	5+390.5 RT.	0.14HA±		ALL R.T. & I.						VT. RTE. 100 & 0.35A±	2	15, 21	PARCEL 3 KONOPAS. ADD WOOD STORAGE BIN AS PERSONAL PROPERTY AT STA. TH 56 0+087 LT. PER C.O. 9213.	12-04-01	P. J. H.	R. P. D.
1C		21	TH56 0+109.5 RT.	TH56 0+028.5 RT.	0.04HA±		ALL R.T. & I.						TH 56 .10A±	3	17, 19, 23	PARCEL NO. 6 UNITED STATES OF AMERICA. REMOVE CONST. (T) AT STA. 5+714.0 LT. ~ STA. 5+721.5 LT. REMOVE CONST. (T) AT STA. TH 43 0+300.0 LT. ~ TH 43 0+339.0 LT. PER C.O. 9305.	06-24-03	M. J. R.	R. P. D.
2	FERTIG, ROBERT G. & MARILYN	21	5+281.0 LT. 5+312.2 LT.	5+341.7 LT. 5+348.3 LT.	0.08HA±		ALL R.T. & I. CONST. (T)	WD	05-20-03	JAMAICA	88	217-218	VT. RTE. 100 (0.2A±) INCLUDES EROSION CONTROL 937 S.F. ± 624 S.F. ± LIGHTED SIGN CIRCUIT BREAKER PANEL GUY WIRE						
3A	KONOPAS, DOROTHY M. & WONDROFSKI, HERMAN F.	19, 21, 22	TH56 0+106.6 LT. TH56 0+100.0 LT. TH56 0+089.4 LT. TH56 0+076.0 LT. TH56 0+064.3 LT. TH56 0+062.7 LT. 5+413.0 RT. TH56 0+030.0 LT. TH56 0+087.0± LT. 5+381.5 RT. 5+411.4 RT. 5+439.0 RT. TH43 0+220.0 RT. TH43 0+250.0 RT. TH43 0+285.0 RT.	5+383.0 RT. TH43 0+300.0 RT. TH43 0+280.0 RT. TH56 0+030.0 LT. TH56 0+060.0 LT. 5+411.0 RT. TH43 0+220.0 RT. TH43 0+220.0 RT. 5+456.9 RT. 5+413.0 RT. TH43 0+246.8 RT. TH43 0+276.0 RT. TH43 0+273.6 RT.	0.03HA±		REMOVE & RESET (T) CONST. (T) SLOPE (T) CULVERT (P) DIT. & DR. (P) DRAINAGE (P) SLOPE (P) CLEAR & TRIM (P) INSTALL & MAINTAIN (P) DETOUR (T) SLOPE (T) CULVERT (P) DRIVE (T)	WDOE	06-04-02	JAMAICA	84	462-465	0.07A± FENCE & GATES INCLUDES EROSION CONTROL 0.15A± 0.05A± 0.05A± 0.10A± PERSONAL PROPERTY WOOD STORAGE BIN 0.05A± GUY WIRE 2,805 S.F. ± 0.07A± 5.0M (16.4') GRAVEL						
3B		19, 21, 22	5+386.7 RT.	TH43 0+279.5 RT.	0.04HA±								0.1A±						
3C		19, 22	5+477.0 RT. 5+477.0 RT. 5+477.0 RT. 5+477.0 RT. TH43 0+240.0 LT. TH43 0+250.0 LT. TH43 0+273.6 LT.	5+493.5 RT. 5+479.2 RT. 5+493.7 RT. 5+493.7 RT. TH43 0+301.0 LT. TH43 0+302.4 LT.	96.05M±		SLOPE (P) CLEAR & TRIM (P) INSTALL (T) CONST. (T) DIT. & DR. (P) SLOPE (P)						1,033 S.F. ± 32 S.F. ± 527 S.F. ± EROSION CONTROL 829 S.F. ± INCLUDES EROSION CONTROL 0.05 A± 10.8 S.F. ± 0.02A±						
PARCEL 3 CONTINUED ON NEXT SHEET																			

ACCT.gfunk  
\\vaot\_cadd\fillingobine1\87209\RightofWay\rf209d.dgn  
DATE PLOTTED 20-AUG-2003

DR. (P)- DRAINAGE RIGHT  
DIT. (P)- DITCHING RIGHT  
CH. (P)- CHANNEL RT.  
DRIVE (T)- DRIVE RIGHT  
CUL. (P)- 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  
--- C&T (P) --- CLEARING & TRIMMING  
... C&T (P) ... CLEAR ZONE  
--- CONST. (T) --- CONSTRUCTION EASEMENT  
SR SR SLOPE RIGHTS  
P PROPERTY LINE  
L TOP OF CUT  
O TOE OF SLOPE

APPROVED: ROGER P. DUMAS DATE: 7-26-00  
CHIEF, PLANS & TITLES

R. O. W. PLANS

JAMAICA  
BRF 013-1(8)  
SHEET 15 OF 23





TABLE OF PROJECT PROPERTY ACQUISITION

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

Main table with columns: 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.

ACCT.mr.yan
\\va07-cadd\fillingcabin\1787209\RightofWay\rf209d.dgn
DATE PLOTTED 24-JUN-2003

DR. (P)- DRAINAGE RIGHT
DIT. (P)- DITCHING RIGHT
CH. (P)- CHANNEL RT.
DRIVE (T)- DRIVE RIGHT
CUL. (P)- 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
C&T (P)
CONST. (T)
SR
L
CLEARING & TRIMMING
CLEAR ZONE
CONSTRUCTION EASEMENT
SLOPE RIGHTS
PROPERTY LINE
TOP OF CUT
TOE OF SLOPE
PERMANENT UTILITY EASEMENT

APPROVED: ROGER P. DUMAS DATE: 7-26-00
CHIEF, PLANS & TITLES

R. O. W. PLANS
JAMAICA
BRF 013-1(8)
SHEET 17 OF 23



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

**TABLE OF PROJECT PROPERTY ACQUISITION**

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS
7A	TOWN OF JAMAICA	21	TH56 0+109.5 RT.	5+390.5 RT.	0.19HA±		ALL R. T. & I.	OCD	05-17-02	JAMAICA	84	396-397	VT. RTE. 100 & TH56 (0.47A±)
7B		20, 22	5+457.5 LT. TH41 0+122.0 LT. & RT. TH41 0+122.5 LT. & RT. TH41 0+107.5 CL	5+472.5 LT. TH41 0+200.0 CL	0.01HA±		ALL R.T. & I. CULVERT (P) REMOVE (T) APPROACH (T)						VT. RTE. 100(0.02A±) & TH 41 CULVERT INCLUDES EROSION CONTROL TH 41
7C		19, 22	5+461.9 RT. TH43 0+213.2 CL TH43 0+251.0 LT. & RT. TH43 0+250.0 LT. & RT.	5+477.0 RT. TH43 0+300.0 CL	0.02HA±		ALL R.T. & I. APPROACH (T) REMOVE (T) CUL. DIT & DR. (P) EXCEPT & RESERVE						VT. RTE. 100(0.05A±) & TH 43 TH 43 CULVERT FLOWAGE RIGHTS ON PARCEL 7A, 7B, & 7C
	MAINTENANCE AGREEMENT ZONE #1	21	5+375.2 RT.	5+378.5 RT.									LENGTH 6.0M (19.7') TH 56
	MAINTENANCE AGREEMENT ZONE #2	22	TH43 0+203.3 CL	TH43 0+213.2 CL									LENGTH 9.9M (32.4') TH 43
	MAINTENANCE AGREEMENT ZONE #3	22	5+465.5 LT.	5+465.0 LT.									LENGTH 4.0M (13') TH 41
	RELINQUISHMENT AREA NO. I	21	TH56 0+109.5 RT.	5+390.5 RT.									TH 56
	RELINQUISHMENT AREA NO. II	19, 22	5+456.9 RT.	TH43 0+279.5 RT.									TH 43
8	CENTRAL VERMONT PUBLIC SERVICE CORPORATION												UTILITY
9	VERIZON NEW ENGLAND, INC.												UTILITY

REVISION NO.	SHEET	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY

ACCT.MRyan  
\\vaot.cadd\fillingcabin\181209\RightOfWay\rf209d.dgn  
DATE PLOTTED 01-NOV-2002

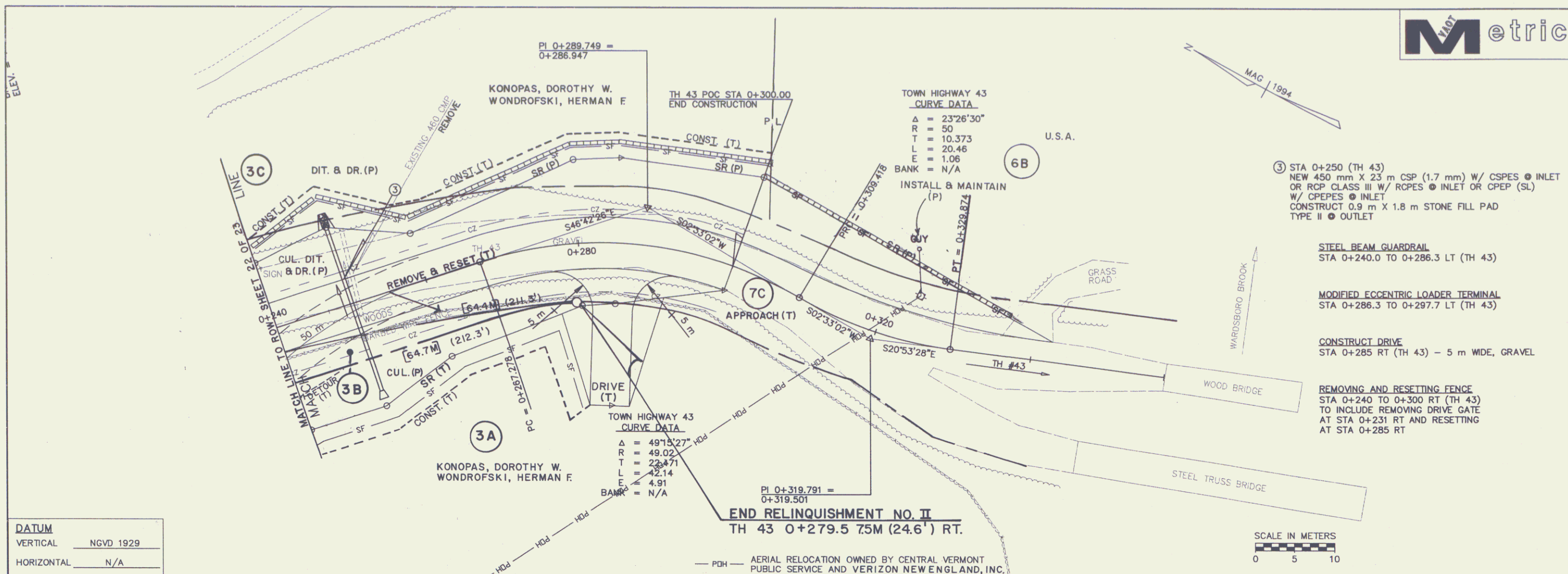
DR. (P)- DRAINAGE RIGHT  
DIT. (P)- DITCHING RIGHT  
CH. (P)- CHANNEL RT.  
DRIVE (T)- DRIVE RIGHT  
CUL. (P)- CULVERT RIGHT  
[W]- WATER SOURCES

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

LEGEND  
C&T (P) CLEARING & TRIMMING  
CZ (P) CLEAR ZONE  
CONSL-TO CONSTRUCTION EASEMENT  
SR SLOPE RIGHTS  
P PROPERTY LINE  
L TOP OF CUT  
TOP OF SLOPE  
PERMANENT UTILITY EASEMENT

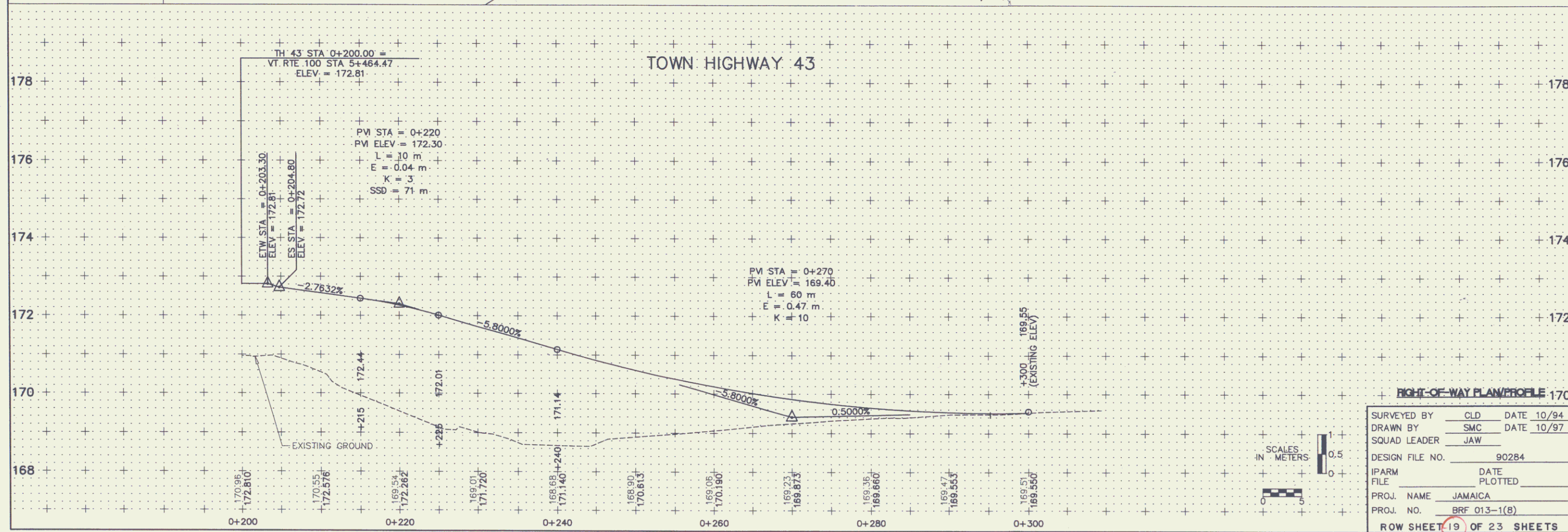
APPROVED: ROGER P. DUMBS DATE: 7-25-00  
CHIEF, PLANS & TITLES

R. O. W. PLANS  
JAMAICA  
BRF 013-1(8)  
SHEET 18 OF 23



DATUM  
 VERTICAL NGVD 1929  
 HORIZONTAL N/A

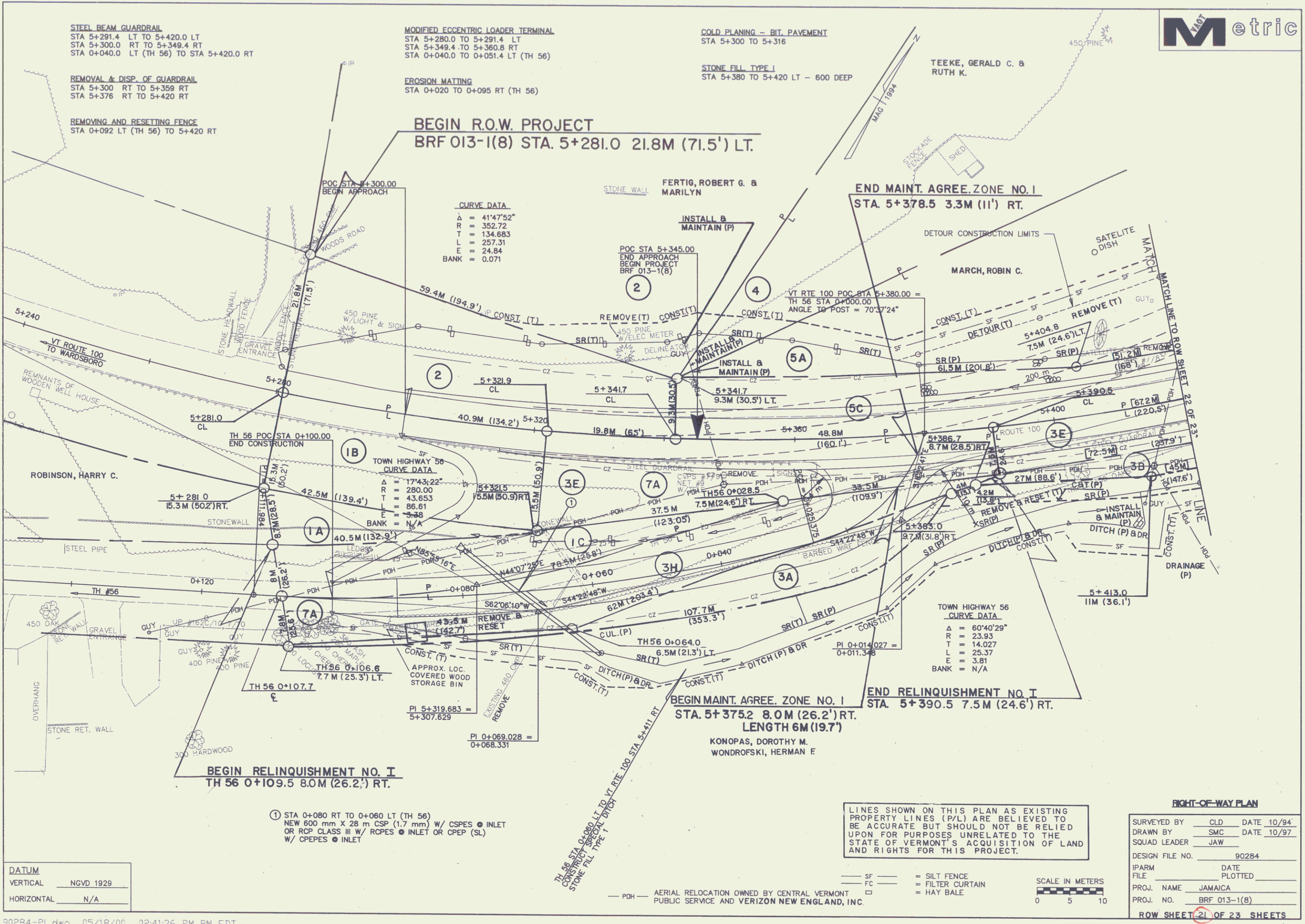
SCALE IN METERS  
 0 5 10



RIGHT-OF-WAY PLAN/PROFILE 170

SURVEYED BY	CLD	DATE	10/94
DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE	DATE PLOTTED		
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(B)		
ROW SHEET	19	OF	23 SHEETS

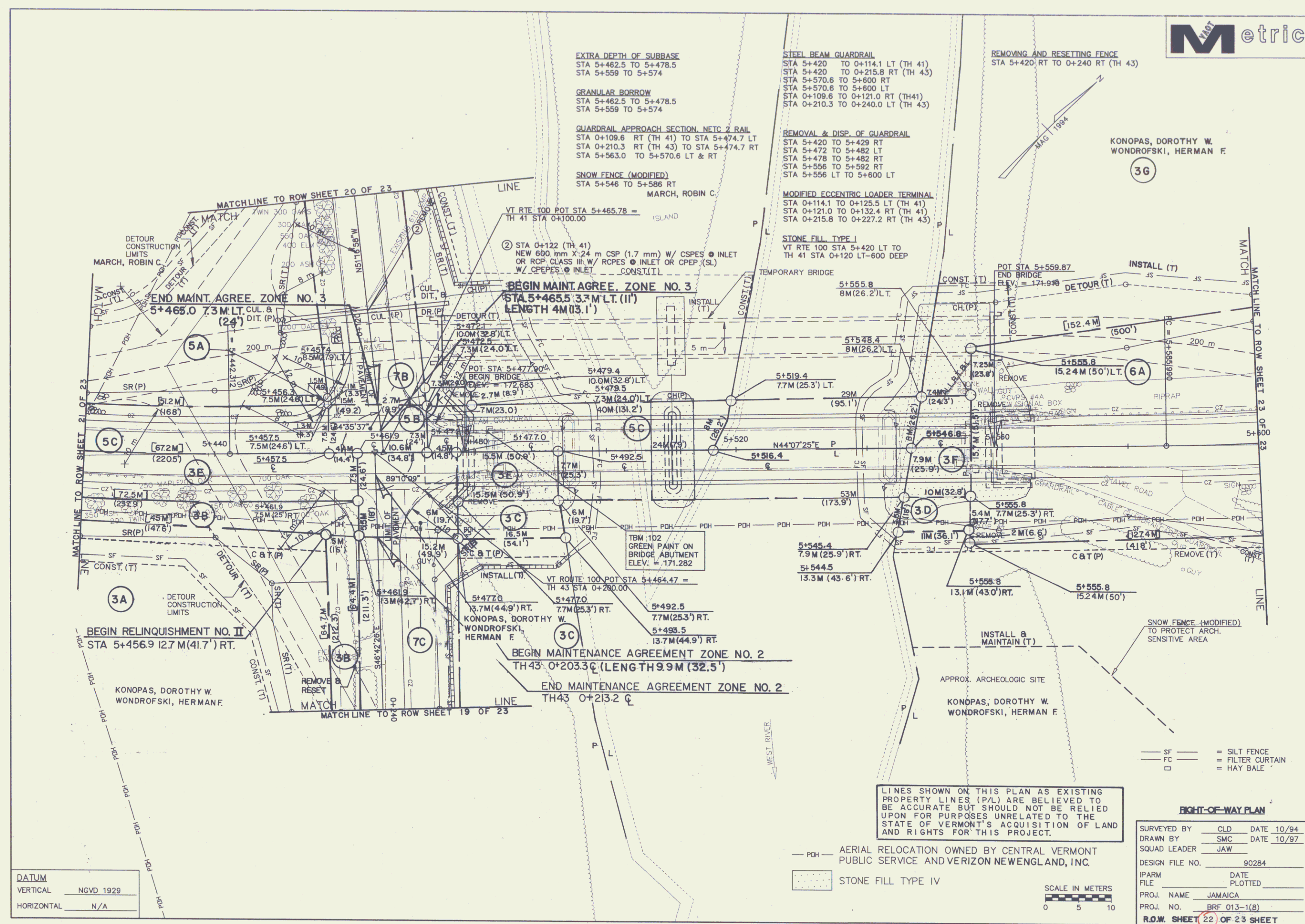




KONOPAS, DOROTHY W.  
WONDROFSKI, HERMAN F.

36

- EXTRA DEPTH OF SUBBASE  
STA 5+462.5 TO 5+478.5  
STA 5+559 TO 5+574
- GRANULAR BORROW  
STA 5+462.5 TO 5+478.5  
STA 5+559 TO 5+574
- GUARDRAIL APPROACH SECTION, NETC 2 RAIL  
STA 0+109.6 RT (TH 41) TO STA 5+474.7 LT  
STA 0+210.3 RT (TH 43) TO STA 5+474.7 RT  
STA 5+563.0 TO 5+570.6 LT & RT
- SNOW FENCE (MODIFIED)  
STA 5+546 TO 5+588 RT  
MARCH, ROBIN C.
- STEEL BEAM GUARDRAIL  
STA 5+420 TO 0+114.1 LT (TH 41)  
STA 5+420 TO 0+215.8 RT (TH 43)  
STA 5+570.6 TO 5+600 RT  
STA 5+570.6 TO 5+600 LT  
STA 0+109.6 TO 0+121.0 RT (TH 41)  
STA 0+210.3 TO 0+240.0 LT (TH 43)
- REMOVAL & DISP. OF GUARDRAIL  
STA 5+420 TO 5+429 RT  
STA 5+472 TO 5+482 LT  
STA 5+478 TO 5+482 RT  
STA 5+556 TO 5+592 RT  
STA 5+556 LT TO 5+600 LT
- REMOVING AND RESETTING FENCE  
STA 5+420 RT TO 0+240 RT (TH 43)
- MODIFIED ECCENTRIC LOADER TERMINAL  
STA 0+114.1 TO 0+125.5 LT (TH 41)  
STA 0+121.0 TO 0+132.4 RT (TH 41)  
STA 0+215.8 TO 0+227.2 RT (TH 43)
- STONE FILL TYPE I  
VT RTE 100 STA 5+420 LT TO  
TH 41 STA 0+120 LT-600 DEEP



**DATUM**

VERTICAL	NGVD 1929
HORIZONTAL	N/A

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STEEL BEAM GUARDRAIL  
 STA 5+600.0 TO 5+642.8 LT  
 STA 5+600.0 TO 5+612.4 RT  
 STA 3+994.0 TO 4+005.4 RT (VT ROUTE 100/30)

MODIFIED ECCENTRIC LOADER TERMINAL  
 STA 5+612.4 TO 5+623.8 RT  
 STA 5+642.8 TO 5+654.2 LT  
 STA 4+005.4 TO 4+016.8 RT (VT ROUTE 100/30)

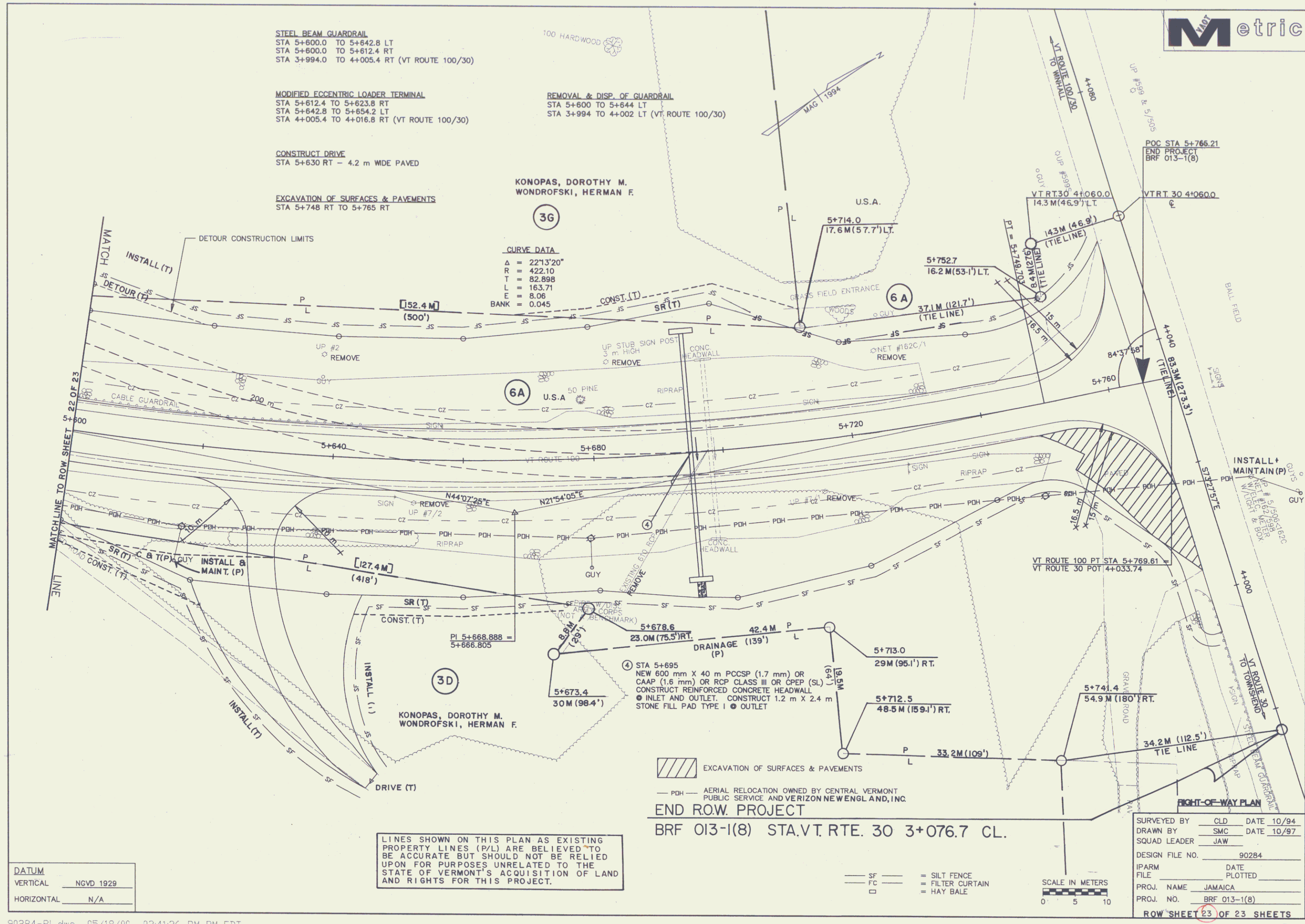
CONSTRUCT DRIVE  
 STA 5+630 RT - 4.2 m WIDE PAVED

EXCAVATION OF SURFACES & PAVEMENTS  
 STA 5+748 RT TO 5+765 RT

REMOVAL & DISP. OF GUARDRAIL  
 STA 5+600 TO 5+644 LT  
 STA 3+994 TO 4+002 LT (VT ROUTE 100/30)

KONOPAS, DOROTHY M.  
 WONDROFSKI, HERMAN F.

**CURVE DATA**  
 Δ = 22°13'20"  
 R = 422.10  
 T = 82.898  
 L = 163.71  
 E = 8.06  
 BANK = 0.045



SURVEYED BY	CLD	DATE	10/94
DRAWN BY	SMC	DATE	10/97
SQUAD LEADER	JAW		
DESIGN FILE NO.	90284		
IPARM FILE		DATE PLOTTED	
PROJ. NAME	JAMAICA		
PROJ. NO.	BRF 013-1(8)		
ROW SHEET 23 OF 23 SHEETS			