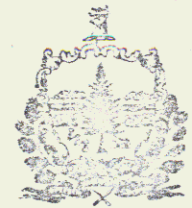


INDEX OF SHEETS

# STATE OF VERMONT DEPARTMENT OF HIGHWAYS



## PROPOSED IMPROVEMENT BRIDGE PROJECT

**TOWN OF HARDWICK**  
**COUNTY OF CALEDONIA**

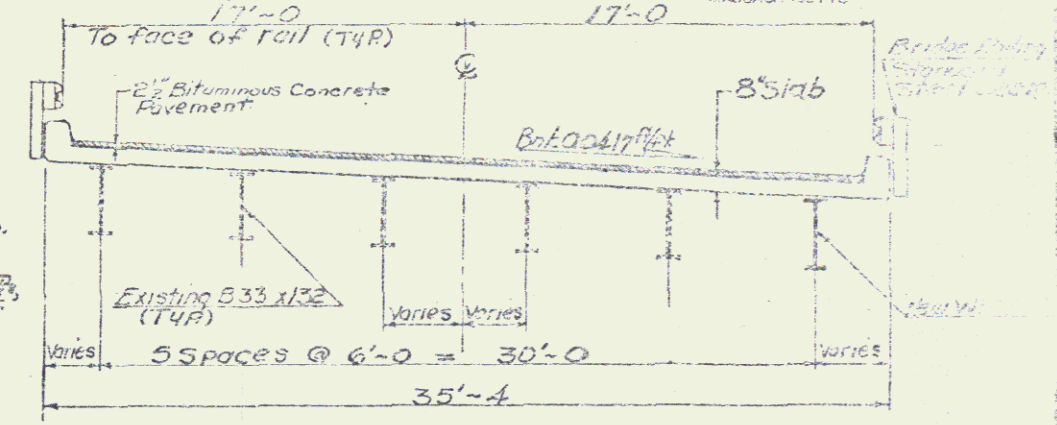
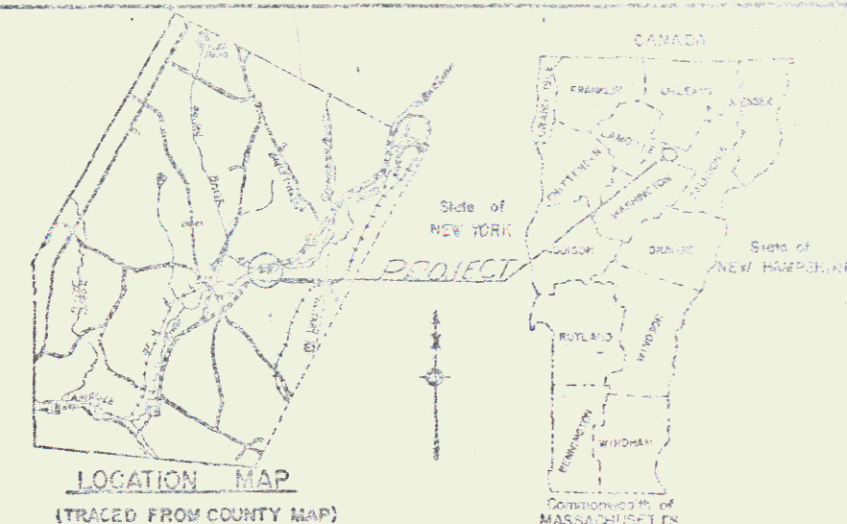
ROUTE NO: **VT. 16** BRIDGE NO: 2

PROJECT LOCATION: Beginning @ a point approximately 0.20 miles  
northerly of the intersection of T47 & VT16 & extending 700' along VT16.

PROJECT DESCRIPTION: Removal of existing superstructure, extending  
existing abutments & prep, resetting existing beams with added cover, &  
setting two new beams & constructing a new reinforced concrete deck.  
Do necessary approach & channel work.

LENGTH OF STRUCTURE:	110 FEET
LENGTH OF PARTICIPATION ROADWAY:	590 FEET
LENGTH OF NON-PARTICIPATION ROADWAY:	~ FEET
LENGTH OF PROJECT:	700 FEET
LENGTH OF ROW PROJECT:	700 FEET

1937 ADT	= 1590
1977 ADT	= 1110
1997 ADT	= 230
D	= 54%
T	= 6%



R.O.W. PLANS

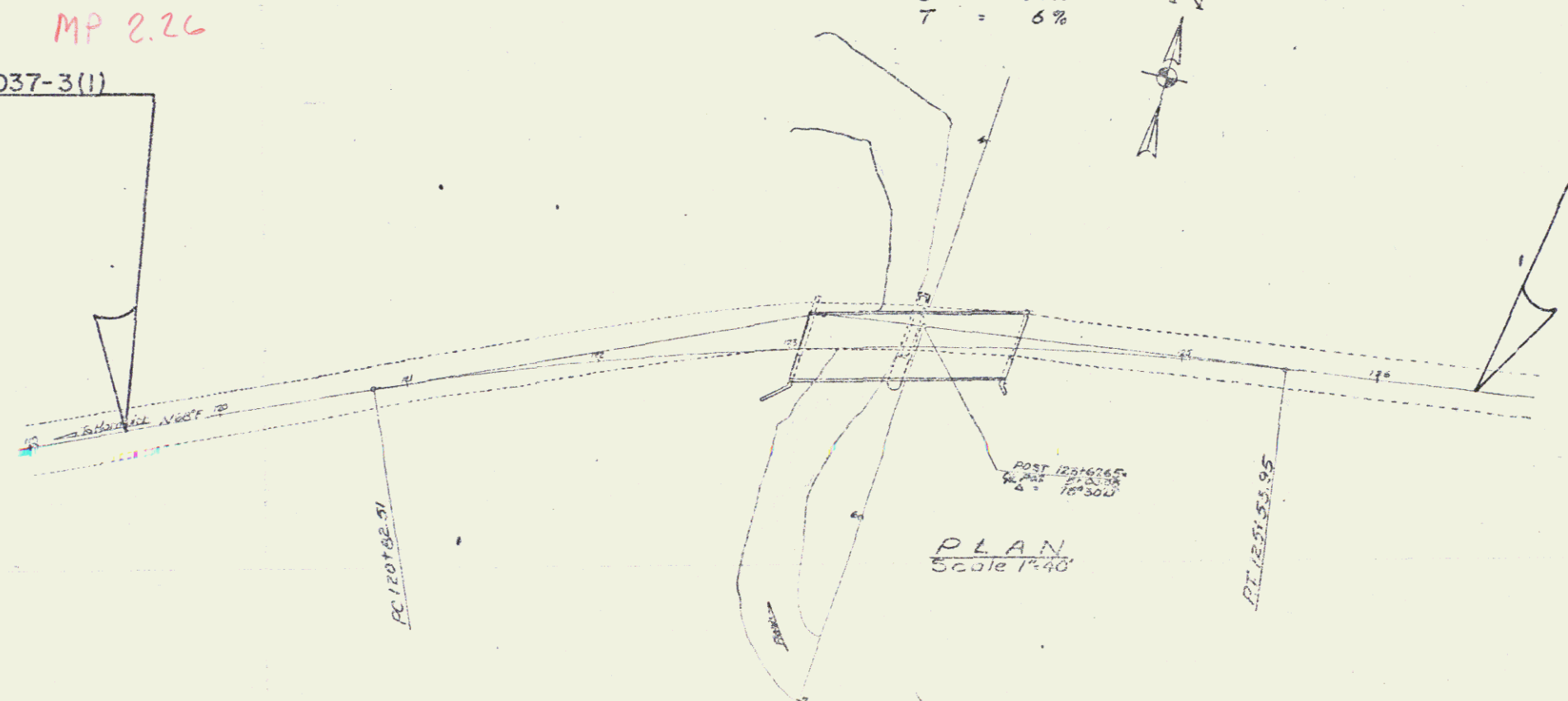
MP 2.26

BEGIN ROW PROJ. TQF 037-3(1)  
STA. 119+50 @

END ROW PROJ. TQF 037-3(1)  
STA. 126+50 @

CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---
POINT OF ACCESS	X
FENCE LINE	---
STONE WALL	---
TRAVELED WAY	---
GUARD RAIL	---
RAILROAD	---
SURVEY LINE	---
CULVERT	---
POWER POLE	○
TELEPHONE POLE	○
TRIED	○
VIA COUNTY IDENTIFICATION SIGNS	△
PROPERTY LINE	---
ROW TAKING LINE	---
SLOPE RIGHTS	---
TOP OF CUT	---
TOP OF SLOPE	---



TYPICAL BRIDGE SECTION

MP 2.40

See Sheet 3 for  
TYPICAL ROADWAY SECTION

Route V+16  
Project TQF 037-3(1)  
Date 01/30/1978  
Pin # 76E 089

AUG 12 1980

SUBMITTED BY ORDER OF THE STATE HIGHWAY DEPARTMENT

APPROVED: \_\_\_\_\_  
DIRECTOR OF R.O.W.

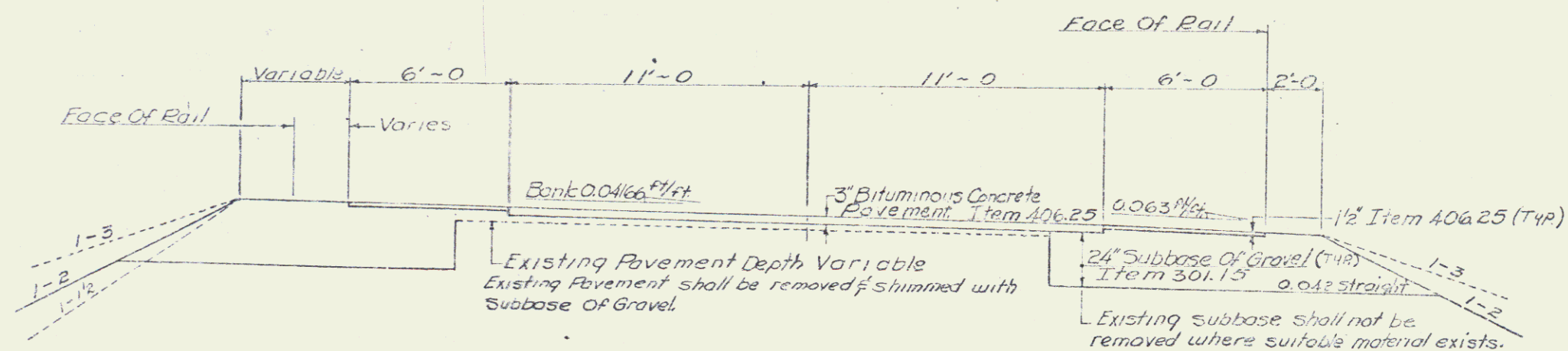
HARDWICK

PROJECT TQF 037-3(1)  
SHEET 1 OF 5

APPROVED: \_\_\_\_\_  
DATE 1-30-78

VT16 TYPICAL

1 1/2" Bituminous Concrete Pavement, Item 406.25 (± 1/4" For Total Thickness) Binder Course  
 1 1/4" Bituminous Concrete Pavement, Item 406.25 (± 1/4") Wearing Course  
 2 1/4" Subbase Of Gravel, Item 301.15 (± 1")  
 Shoulders: 1 1/2" Bituminous Concrete Pavement, Item 406.25

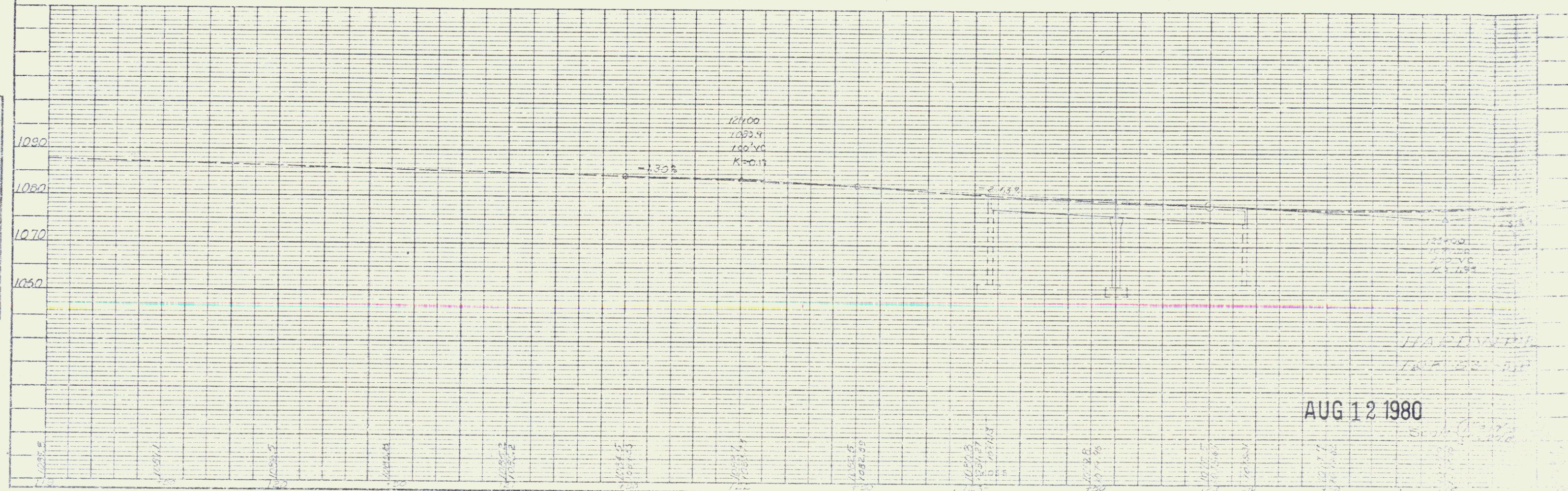


Seeding, Item 651.10				
%WT	Lbs./Acres	Name	Germin.	Germ %
8.33	5	Timothy	80	85
3.33	2	Crown Vetch	97	75
41.67	25	Creeping Red Fescue	88	85
16.67	10	Alfalfa (Var. Saranac)	88	85
5.00	3	Red Top	82	85
16.67	10	Perennial Ryegrass (Var. Pennine)	88	90
8.33	5	Birdsfoot Trefoil	88	85
100	60			

Fertilizer, Item 651.15, To be mixed as follows:  
 Nitrogen 10%  
 Phosphorous 20%  
 Potash 10%  
 Fertilizer shall be delivered in bags of not to exceed 100 lbs. each & is to be applied @ the rate of 500 lbs. per acre.  
 For sandy soils, the fertilizer mix should be changed to:  
 Nitrogen 10%  
 Phosphorous 20%  
 Potash 20%

Agricultural Limestone, Item 651.20:  
 To be applied to all earth slopes @ the rate of two tons per acre or as directed by the engineer.

Hay Mulch, Item 651.25:  
 To be placed on all earth slopes @ the rate of two tons per acre.



AUG 12 1980

STATE OF VERMONT  
DEPARTMENT OF HIGHWAYS  
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
1	BOLD, PETER J & JUDITH A.	4,5	122+88 RT. 125+00 RT. 124+75 RT.	125+00 RT. 125+75 RT. 126+50 RT.	0.10 A±	2.0 A±	SLOPE (T) (150 SF±) CONST. EASE. (T) (0.03A±)	WDOE	5/22/78	HARDWICK	62	74	1150 SF±
2	DUNNINGS, LESLIE J.	4,5	125+00 LT. 124+70 LT.	125+50 LT. 125+50 LT.			SLOPE (T) (250 SF±) CONST. EASE. (T) (0.01A±)	WDOE	5/16/78	HARDWICK	62	73	650 SF±
3	VILLAGE OF HARDWICK ELECTRIC DEPT.												UTILITY
4	NEW ENGLAND TELEPHONE & TELEGRAPH CO.												UTILITY

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	3	Parcel #1, Bldg & #2, Dunning Change Slope Rights on Detail Sheet from Permanent (P) to Temporary (T) Per CO # 3716.	3-15-78	AGS	T.P.M.
2	4,5	Parcel #2 Dunning. Changed Lester to Leslie. Per CO # 3761	4-4-78	AGS	T.P.M.

MADE BY: E.J. MALWATI DATE: 1/30/78  
CHECKED BY: W.E. BELLION DATE: 1/30/78

DR. RT. - DRAINAGE RIGHT  
DIT. RT. - DITCHING RIGHT  
CH. RT. - CHANNEL RIGHT  
DRIVE. RT. - DRIVE RIGHT  
CUL. RT. - CULVERT RIGHT  
⊙ - DEMOLITION OR REMOVAL  
W - WATER SOURCES

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

LEGEND  
--- CONST. EASE. --- CONSTRUCTION EASEMENT  
SR --- SR --- SLOPE RIGHTS  
P --- P --- PROPERTY LINE  
--- Δ --- Δ --- TOP OF CUT  
--- ○ --- ○ --- TOE OF SLOPE

APPROVED: *[Signature]* DATE: 8/12/80  
PURV. CHIEF OF R.O.W. & TITLES

AUG 12 1980

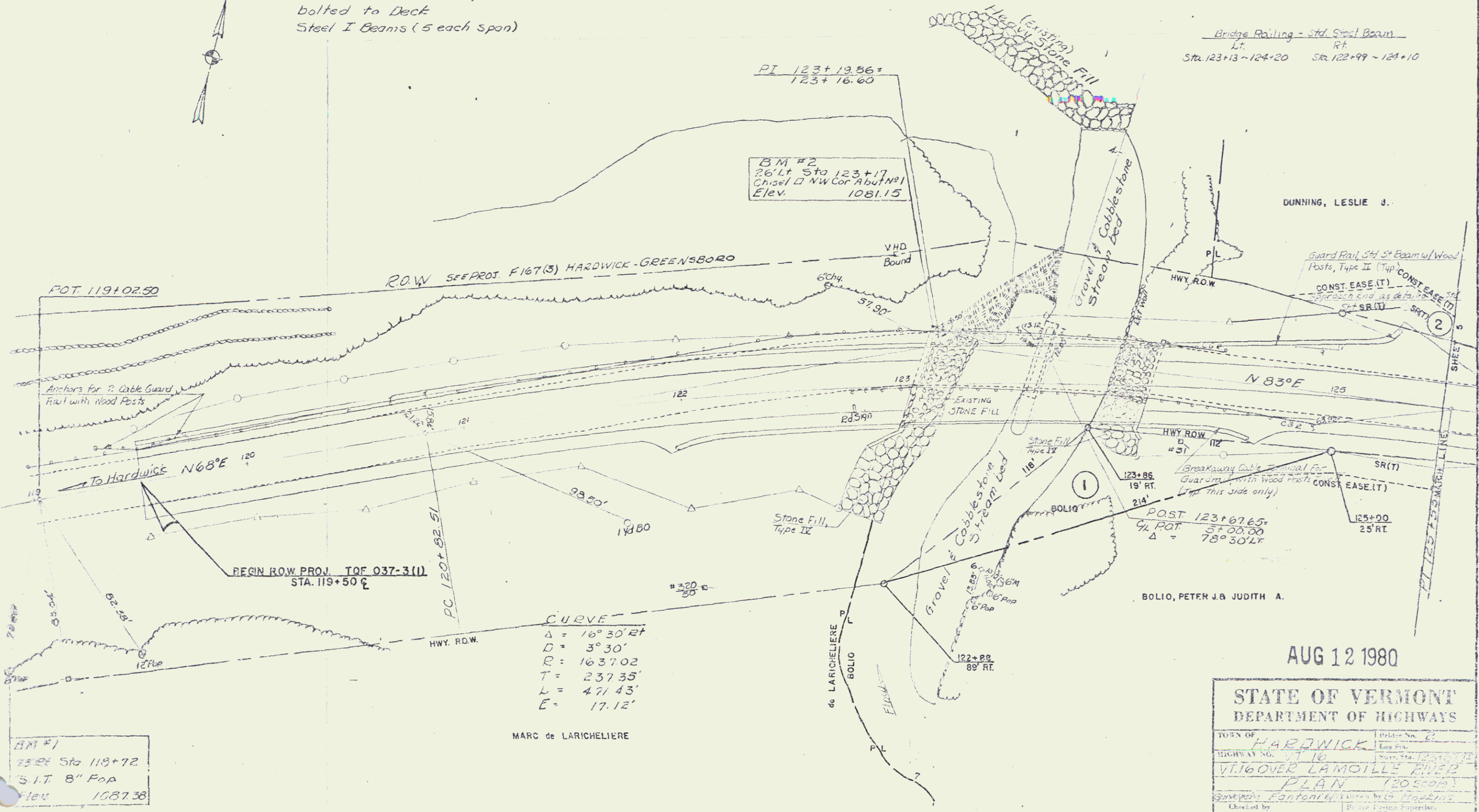
PROJECT: HARDWICK  
NO. IQF 037-3(i)  
SHEET 3 OF 3



Present Bridge Data  
 Concrete Deck, Abutments, & Pier  
 Guard Rail = Steel posts & cables  
 bolted to Deck  
 Steel I Beams (5 each span)

Guard Rail, Std. St. Beam with Wood Posts, Type II  
 LT. RT.  
 Sta. 119+50 ~ 123+13    Sta. 121+96 ~ 122+99  
 Sta. 124+20 ~ 125+28    Sta. 124+10 ~ 124+60

Bridge Railing - Std. Steel Beam  
 LT. RT.  
 Sta. 123+13 ~ 124+20    Sta. 122+99 ~ 124+10

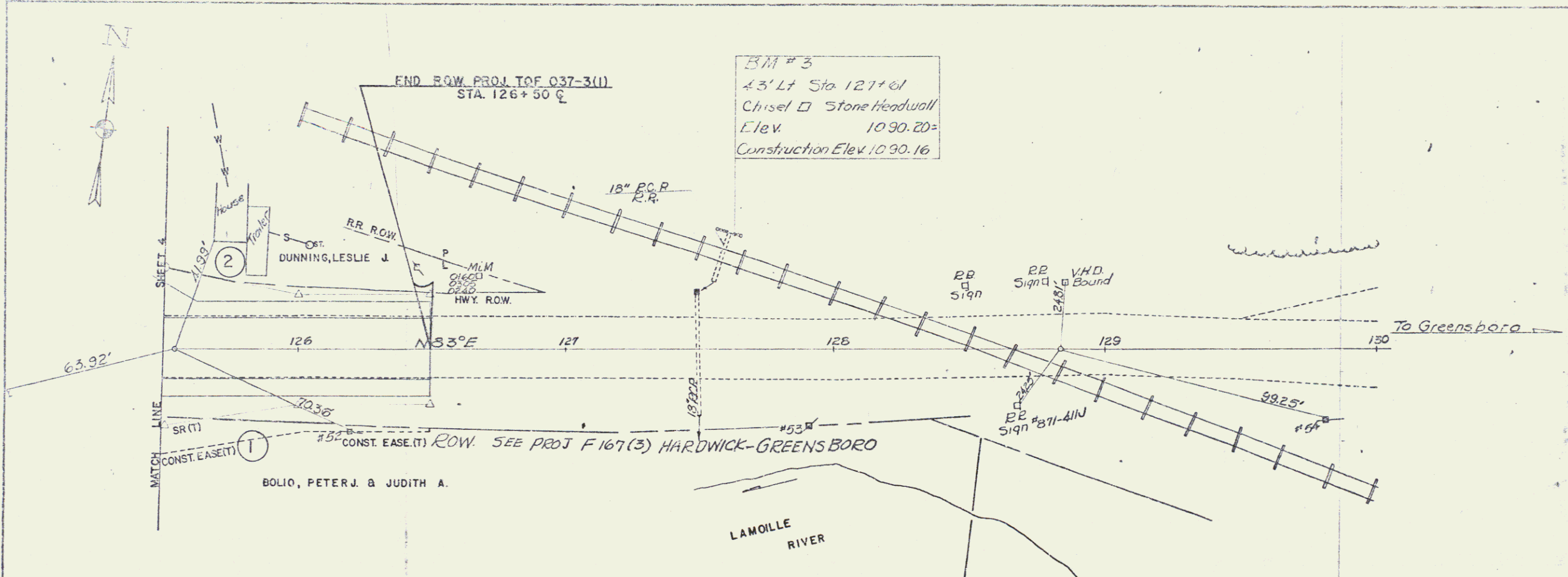


BM #1  
 75' RT Sta 118+72  
 S.I.T. 8" Pop  
 Elev. 1087.38

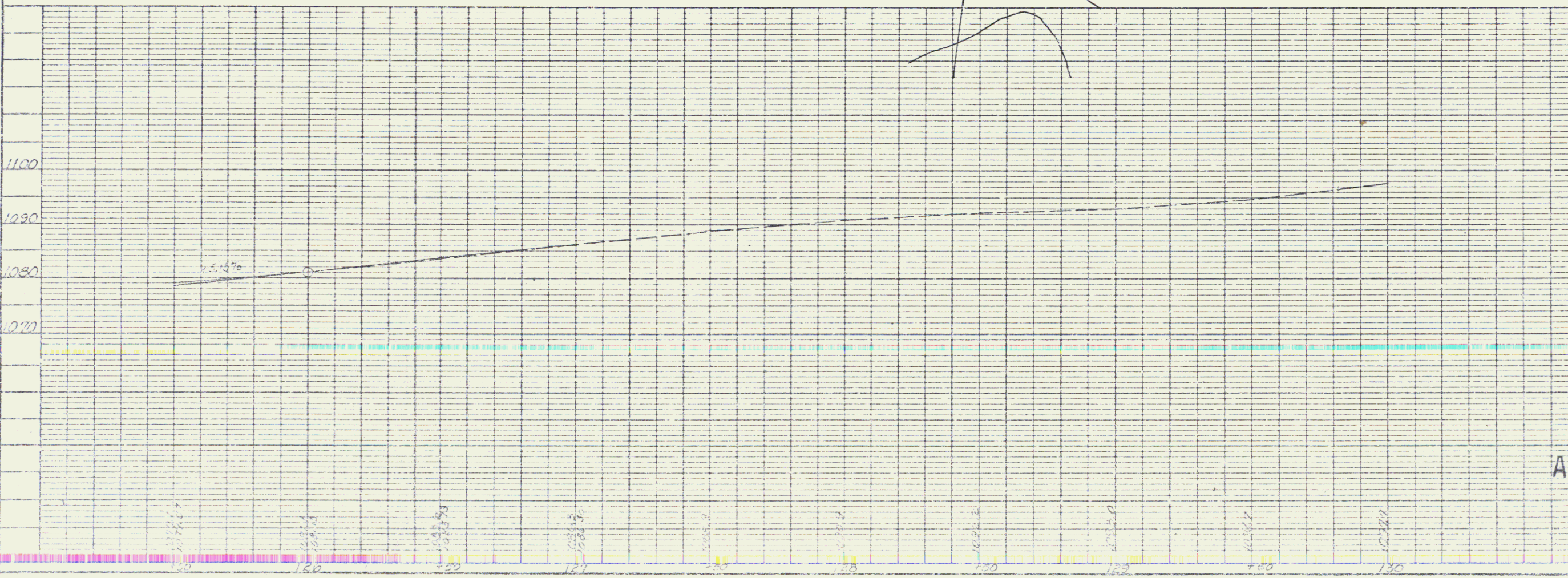
MARC de LARICHELIERE

AUG 12 1980

STATE OF VERMONT DEPARTMENT OF HIGHWAYS	
TOWN OF <u>HARDWICK</u>	Order No. <u>2</u>
HIGHWAY NO. <u>VT 16</u>	Log Sta. <u>125+00</u>
VI 16 OVER LA MOILLE RIVER	
PLAN (20' SCALE)	
Designed by <u>Fantoni</u> Checked by <u>W. T. P.</u>	
PROJECT <u>HARDWICK</u>	PROJECT NO. <u>707 037-3(1)</u>
Sheet No. <u>2</u>	of <u>5</u>



BM # 3  
 4.3' Lt Sta 127+61  
 Chisel Stone headwall  
 Elev 1090.20=  
 Construction Elev 1090.16



DATE	8/12/80
BY	[Signature]
CHECKED	[Signature]
SCALE	AS SHOWN
PROJECT	HARDWICK T&E 037-3(1)
SHEET	6 OF 8

DATE	8/12/80
BY	[Signature]
CHECKED	[Signature]
SCALE	AS SHOWN
PROJECT	HARDWICK T&E 037-3(1)
SHEET	6 OF 8

HARDWICK  
 T&E 037-3(1)

AUG 12 1980

PLATE 1, PLAN PROFILE  
 ENGINEER & ARCHITECTS

SHEET 6 OF 8

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