

INDEX OF SHEETS

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

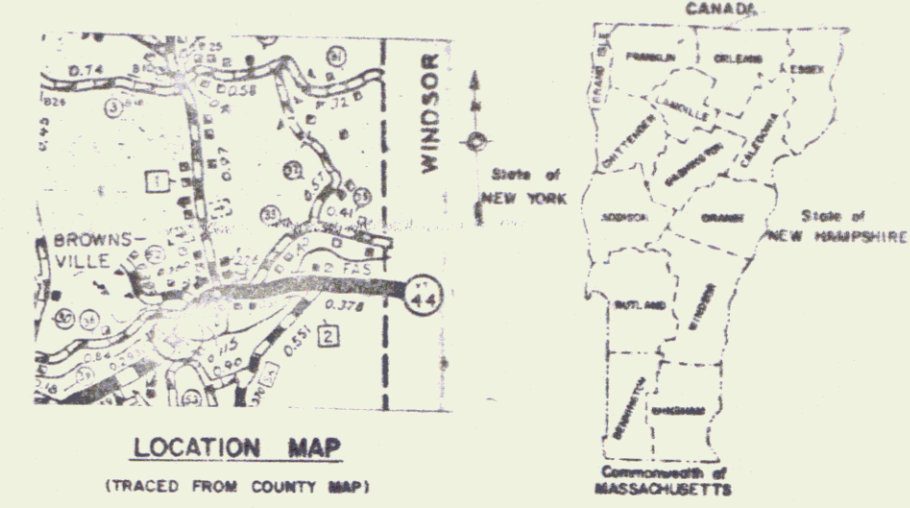
TOWN OF **WEST WINDSOR**
COUNTY OF **WINDSOR**

ROUTE NO: **VT 44** BRIDGE NO: **5**

PROJECT LOCATION: BRIDGE NO. 5 LOCATED ON VT 44 APPROX. 1/4 MILE WEST OF W. WINDSOR, WINDSOR TOWN LINE AND APPROX. 1/2 MILE WEST OF INTERSECTION OF T.H. 36 AND VT 44

PROJECT DESCRIPTION: PROJECT SHALL CONSIST OF REMOVING BRIDGE EXISTING AND BRIDGE REMOVAL OF EXISTING SUPERSTRUCTURE, INCLUDING PAVEMENT AND BRIDGE REMOVAL OF EXISTING SUPERSTRUCTURE, INCLUDING BRIDGE BY RAISING A NEW TYPE II BRIDGE SUPERSTRUCTURE, ADDITIONAL TO SUPERSTRUCTURE AND SUPERSTRUCTURE MINORIAL ROADWAY AND CURBLINE WORKS

LENGTH OF STRUCTURE: 118'-0" FEET
 LENGTH OF PARTICIPATION ROADWAY: FEET
 LENGTH OF NON-PARTICIPATION ROADWAY: FEET
 LENGTH OF PROJECT: FEET
 LENGTH OF R.O.W. PROJECT: 650' = 0.0149 MILES

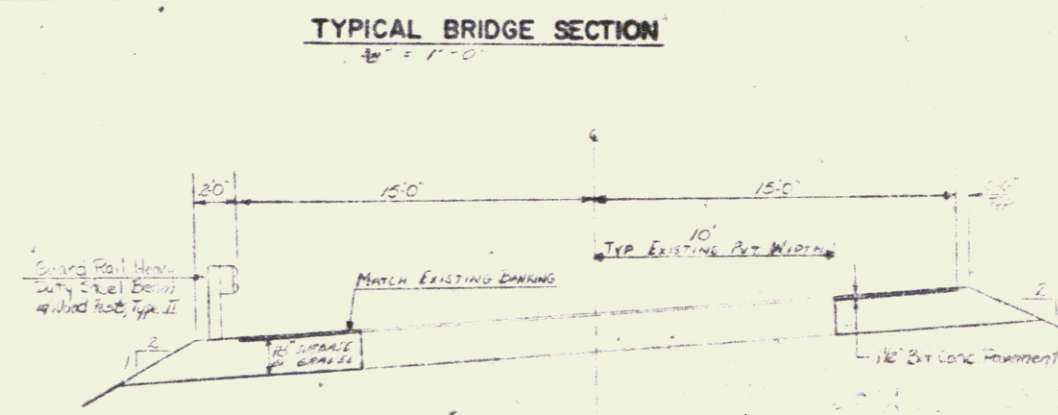
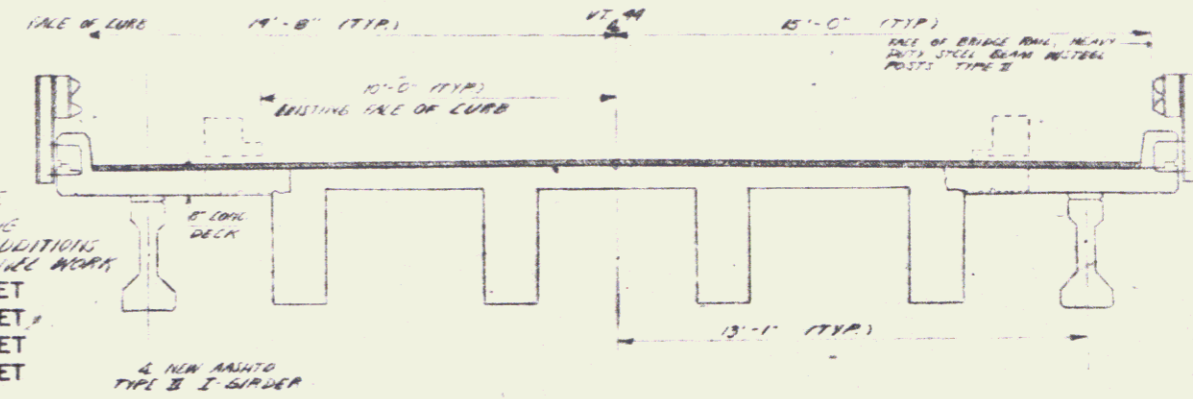
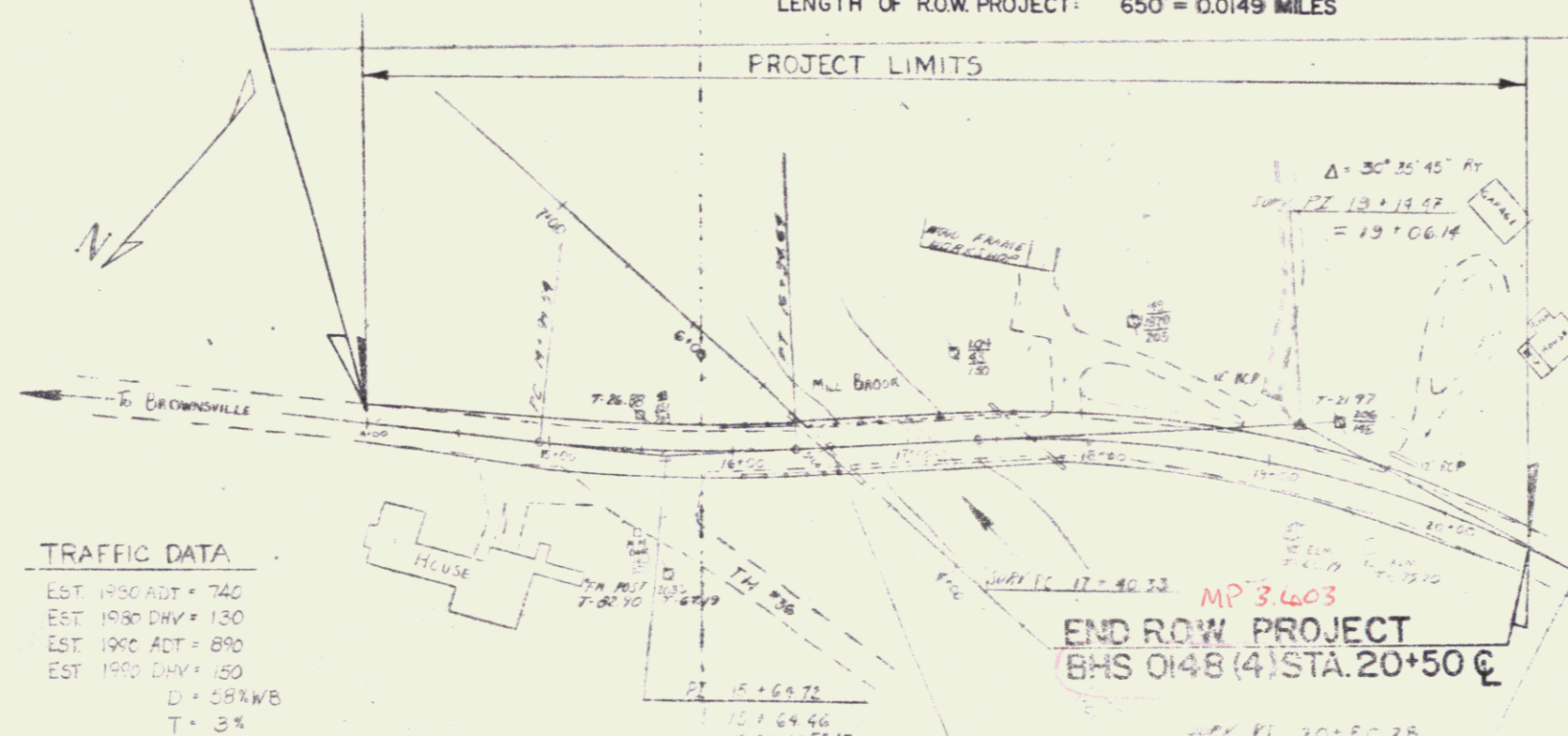


R.O.W. PLANS

GENERAL NOTES

MP 3.716

BEGIN R.O.W. PROJECT
BHS 0148(4) STA. 14+00.00



CONVENTIONAL SIGNS

- 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
- TOP OF SLOPE

TRAFFIC DATA

EST. 1980 ADT = 740
 EST. 1980 DHV = 130
 EST. 1990 ADT = 890
 EST. 1990 DHV = 150
 D = 58%WB
 T = 3%

SUPV. CURVE DATA

ST. 15+69.72
 Δ = 121° 04' 46"
 Δ = 6° 29' 22.5" LT
 Δ = 67° 00'
 Δ = 70° 00'
 Δ = 2° 59'
 Δ = 99° 32'
 Δ = 190° 10'

VERT. CURVE DATA

STA. 16+24.69 =
 CHANGE STA. 5+00
 155' LT

SUPV. CURVE DATA

ST. 16+24.69
 Δ = 30° 35' 45" RT
 Δ = 121° 04' 46"
 Δ = 19° 06' 14"

POOR ORIGINAL COPY

Pin # 78E157

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED _____ DATE _____
 DIR. OF ENGINEERING AND CONSTRUCTION

APPROVED _____ DATE _____
 CHIEF PROPERTY ADMINISTRATION

PROJECT BHS # 0148(4) TOWN OF WEST WINDSOR

SHEET 1 OF 4 SHEETS

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
1A	FARNSWORTH, ROBERT W. & GLORIA A.	3	15+00 LT. 14+50 LT. 15+40 LT. 16+72 LT. 16+95 LT.	17+25 LT. 16+00 LT. 15+00 LT. 17+00 LT. 17+17 LT.	0.04 A±		CONST. EASE (T) (0.02 A±) SLOPE (T) (100 SE±) CONST. EASE (T) (300 SE±) SLOPE (P) (150 SE±)	W.D.O.E.	6-4-80	WEST WINDSOR	25	536-37	(1750 SE±) (800 SE±) SEE NOTE ON SHEET # 3
1B		3	15+87 RT. 16+10 RT. 16+10 RT.	17+14 RT. 17+16 RT. 17+34 RT.	0.02 A±		DIT. & DR. (P) (0.02 A±) CONST. EASE (T) (0.03 A±)						(900 SE±) (1430 SE±) (1120 SE±)
2	WEBER, SHARON E. CLARK, H. THOMAS	3	17+07 RT. 17+48 RT. 17+60 RT.	19+00 RT. 19+14 RT. 18+25 RT.	0.05 A±		CONST. EASE (T) (0.05 A±) SLOPE (P) (0.03 A±)	W.D.O.E.	5-23-80	WEST WINDSOR	25	529-28	(1450 SE±) (2300 SE±) (1350 SE±)
3	MOORE, STEPHEN R. & RUTH W.	3	17+17 LT. 16+94 LT. 17+00 LT. 17+88 LT. 18+00 LT.	18+13 LT. 17+54 LT. 17+30 LT. 17+97 LT. 17+97 LT.	0.02 A±		CONST. EASE (T) (0.02 A±) SLOPE (P) (0.01 A±) INSTALL & MAINTAIN (P) DRIVE (T)	W.D.O.E.	6-23-80	WEST WINDSOR	25	545-08	(885 SE±) (700 SE±) (510 SE±) GUARDRAIL
4	RUSSELL, ROGER J. AYERS, HERBERT E. (LIFE ESTATE)	3	18+12 LT. 18+13 LT. 18+13 LT.	19+00 LT. 18+18 LT. 18+29 LT.	0.01 A±		SLOPE (T) (20 SE±) CONST. EASE (T) (200 SE±)	W.D.O.E.	6-4-80	WEST WINDSOR	25	533-04	(400 SE±)
5	CENTRAL VERMONT PUBLIC SERVICE CORP.												UTILITY
6	NEW ENGLAND TELEPHONE & TELEGRAPH CO.												UTILITY

TABLE OF REVISIONS

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

MADE BY: SHF DATE: 1-29-80
CHECKED BY: W.E.B. DATE: 1-29-80

DR. RT. - DRAINAGE RIGHT
DIT. RT. - DITCHING RIGHT
CH. RT. - CHANNEL RIGHT
DRIVE RT. - DRIVE RIGHT
CUL. RT. - CULVERT RIGHT
DEM. OR REM. - 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 - CONST. EASEMENT
SR - SR - SLOPE RIGHTS
P - P - PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

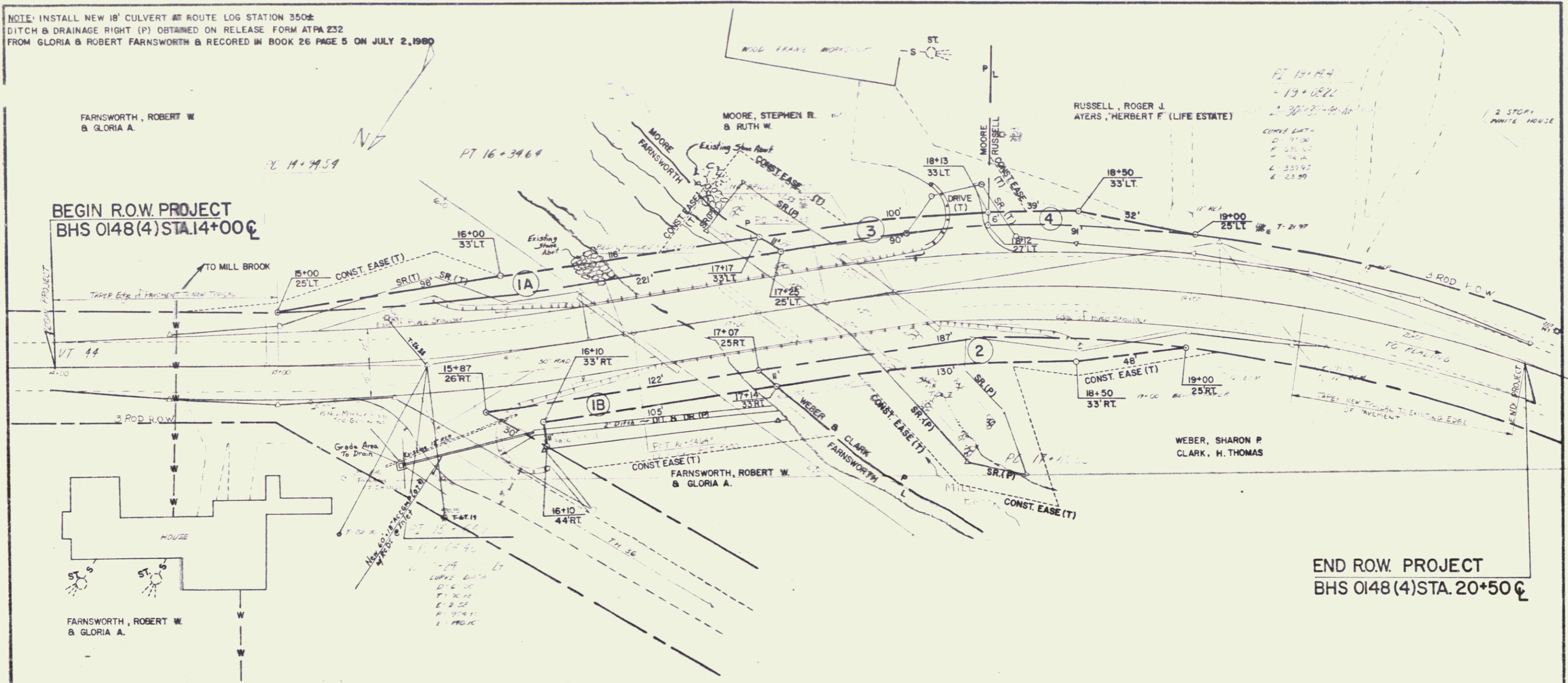
APPROVED: *Thomas R. Mays* DATE: 1-29-80
CHIEF OF PLANS & TITLES

PROJECT: WEST WINDSOR
NO. BHS 048 (4)
SHEET 2 OF 4

NOTE: INSTALL NEW 18" CULVERT AT ROUTE LOG STATION 350±
 DITCH & DRAINAGE RIGHT (P) OBTAINED ON RELEASE FORM ATPA 232
 FROM GLORIA & ROBERT FARNSWORTH & RECORDED IN BOOK 26 PAGE 5 ON JULY 2, 1980

FARNSWORTH, ROBERT W.
 & GLORIA A.

BEGIN R.O.W. PROJECT
 BHS 0148(4) STA. 14+00.00



FARNSWORTH, ROBERT W.
 & GLORIA A.

HYDRAULIC INFORMATION

Drainage Area 26.0 acm (673x1m)
 $Q_{10} = 2500$ cfs (70.3 cms) HW Elev. 689.4
 $Q_{25} = 3500$ cfs (100.1 cms) HW Elev. 691.3
 $Q_{50} = 4500$ cfs (129.4 cms) HW Elev. 693.0
 $Q_{100} = 5500$ cfs (158.6 cms) HW Elev. 694.6
 Tailwater at $Q_{50} = 691.2$
 Velocity at $Q_{50} = 10.1$ fps (3.1 mps)

END R.O.W. PROJECT
 BHS 0148(4) STA. 20+50.00

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STATE OF VERMONT
 AGENCY OF TRANSPORTATION

TOWN OF WINDSOR	Bridge No. 3
HIGHWAY NO. 17-22	Log Sta.
	Surv. Sta.
17-22 GRAD MILL ROAD	
PLAN	
Designed by E. H. Z. III	Drawn by E. F. SHART
Checked by date	Bridge Design Supervisor date
PROJECT 17-22 WINDSOR	PROJECT NO. EN. CAS 191
Bridge Sheet No.	Sheet 3 of 4

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