

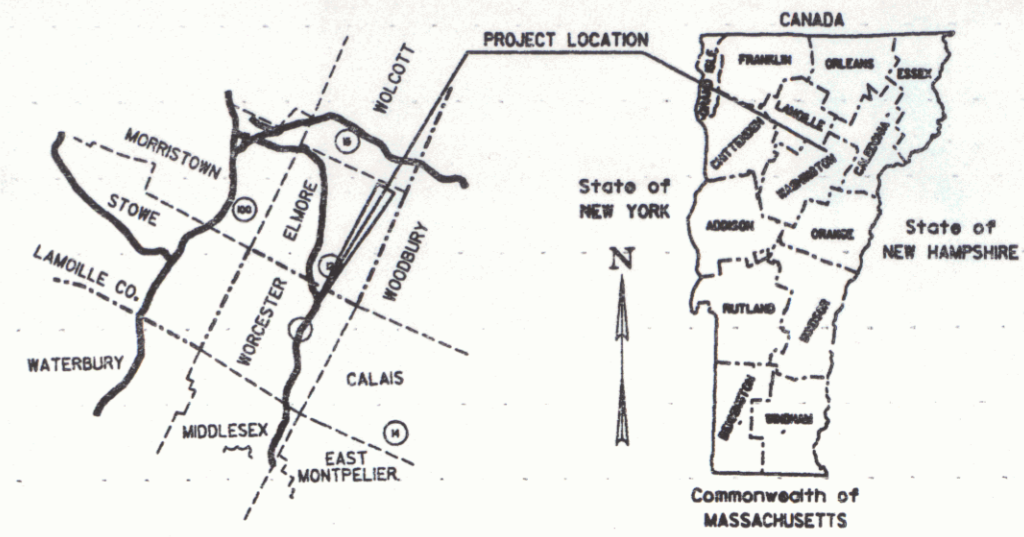
Research Drawer Set

STATE OF VERMONT  
AGENCY OF TRANSPORTATION



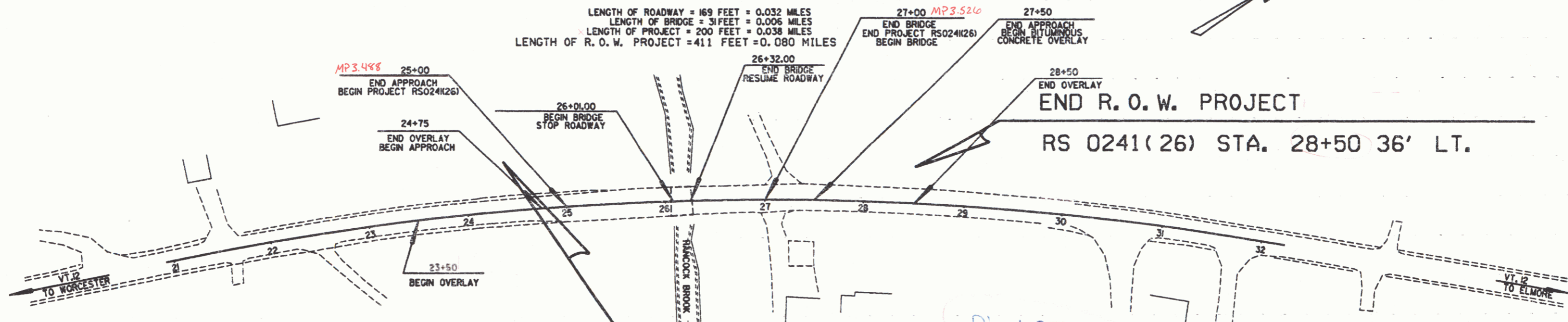
PROPOSED IMPROVEMENT  
TOWN OF WORCESTER  
COUNTY OF WASHINGTON  
VT. ROUTE 12 (FAS MAJOR COLLECTOR)

R.O.W. PLANS



BEGINNING AT A POINT 3.489 MILES NORTH OF THE MIDDLESEX-WORCESTER TOWN LINE AND EXTENDING NORTHERLY 0.038 MILES TO MILEMARKER 3.527  
WORK UNDER THIS PROJECT INCLUDES THE REPLACEMENT OF BRIDGE NO. 83 OVER THE HANCOCK BROOK AND NECESSARY APPROACH WORK GENERALLY ALONG EXISTING ALIGNMENT

LENGTH OF ROADWAY = 169 FEET = 0.032 MILES  
LENGTH OF BRIDGE = 31 FEET = 0.006 MILES  
LENGTH OF PROJECT = 200 FEET = 0.038 MILES  
LENGTH OF R. O. W. PROJECT = 411 FEET = 0.080 MILES



BEGIN R. O. W. PROJECT  
RS 0241(26) STA. 24+39 49' LT.

END R. O. W. PROJECT  
RS 0241(26) STA. 28+50 36' LT.

CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	- - - -
LIMITS OF ACCESS	---X---
POINT OF ACCESS	X
FENCE LINE	---X---
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	SR
SLOPE RIGHTS	○
TOP OF CUT	△
TOE OF SLOPE	○

DATUM  
VERTICAL 1929  
HORIZONTAL N/A

RIGHT-OF-WAY DIVISION  
TOWN FILE  
PERPETUAL  
Town of WORCESTER Vt. Rte #12  
(To Be Returned To R.O.W. Division)

ALL DRIVES AS INDICATED ON PLANS ARE SUBJECT TO PERMITS PURSUANT TO TITLE 19 SECTION 88, V.S.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 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 8, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

MAY 02 1994  
APPROVED GORDON MCARTHUR DATE 1-23-92  
Director of Engineering  
APPROVED ALLEN BLAKE DATE 1-23-92  
Chief of Right of Way  
WORCESTER  
RS 0241(26)  
R.O.W. SHEET 1 OF 7 SHEETS

MATERIAL ITEM	THICKNESS TOLERANCE
PAVEMENT - EACH SINGLE LIFT	± 1/4"
PAVEMENT - MULTIPLE LIFT TOTAL	± 5/8"
BASE COURSE	± 1/2"
SUBBASE	± 1"
SAND BORROW	± 1"

## TYPICAL SECTIONS

1.25" BITUMINOUS CONCRETE PAVEMENT, TYPE III  
 1.75" BITUMINOUS CONCRETE PAVEMENT, TYPE II  
 3.00" BITUMINOUS CONCRETE PAVEMENT, TYPE I  
 24" SUBBASE OF GRAVEL

SHOULDERS :  
 1.25" BITUMINOUS CONCRETE PAVEMENT, TYPE III  
 1.75" BITUMINOUS CONCRETE PAVEMENT, TYPE II

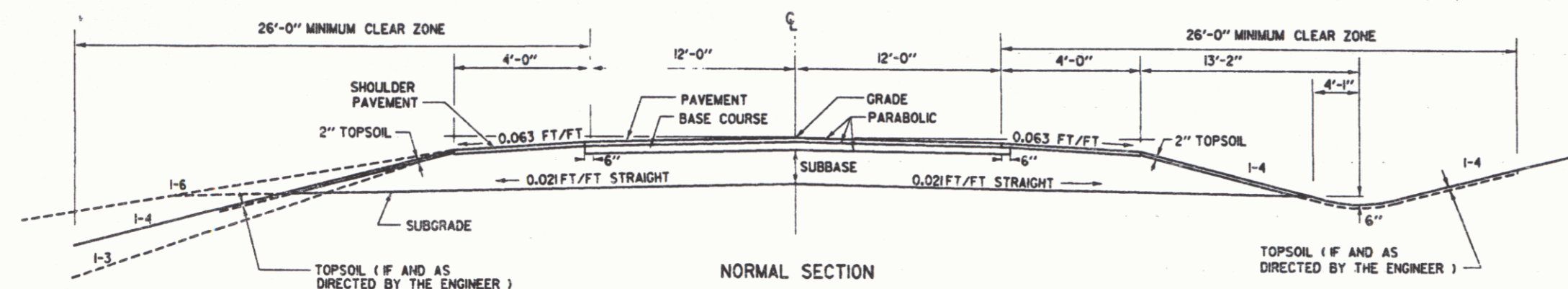
### SEEDING FORMULA RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
3.33	2	CROWN VETCH	97	75
50.00	30	CREeping RED FESCUE	98	85
8.33	5	TIMOTHY	99	85
16.67	10	PERENNIAL RYE GRASS (VAR. PENNFINE)	95	85
8.34	5	ALFAFA (VAR. SARANAC)	99	85
8.33	5	BIRDFOOT TREFOIL (VAR. EMPIRE)	98	85
5.00	3	HIGHLAND BENT GRASS	92	85
100.00	60			

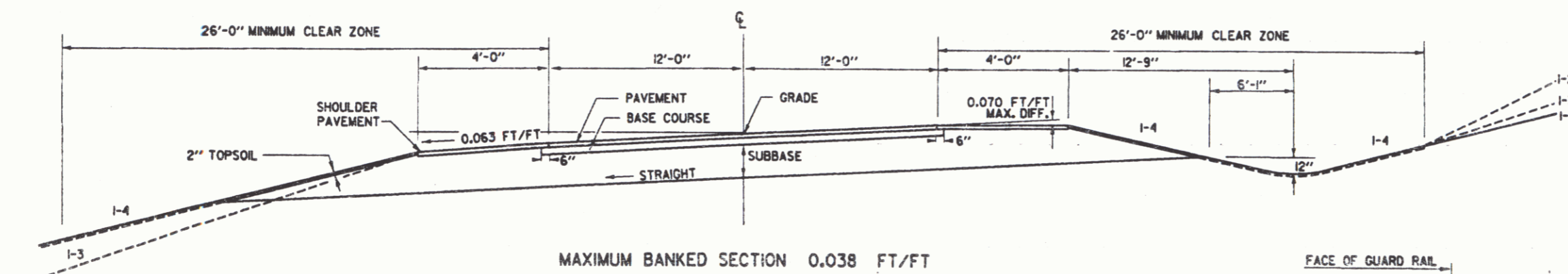
### URBAN AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	30	CREeping RED FESCUE	98	85
31.25	25	KENTUCKY BLUE GRASS	85	75
31.25	25	PERENNIAL RYE GRASS	95	90
100.00	80			

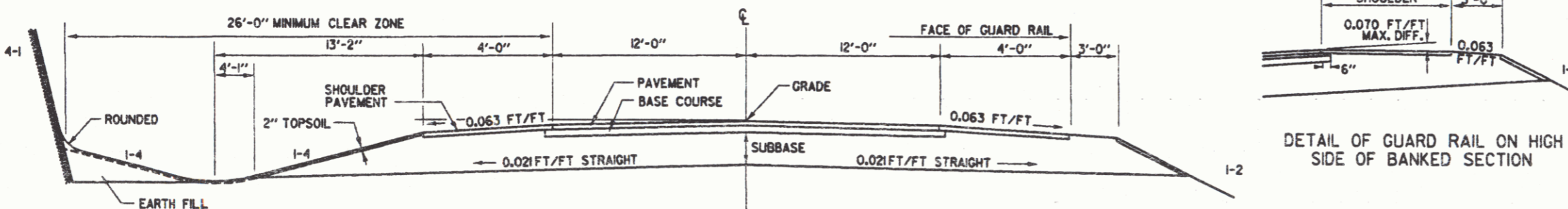
THE SEED MIXTURE SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS WEED SEED.  
 SEED- TO BE APPLIED PER SEEDING FORMULAS DIRECTED BY THE ENGINEER.  
 FERTILIZER- FORMULA 10-20-10 TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE  
 AGRICULTURAL LIMESTONE- TO BE APPLIED AT THE RATE OF 2 TONS/ACRE OR AS DIRECTED BY THE ENGINEER.  
 HAY MULCH- TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, 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 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.



NORMAL SECTION

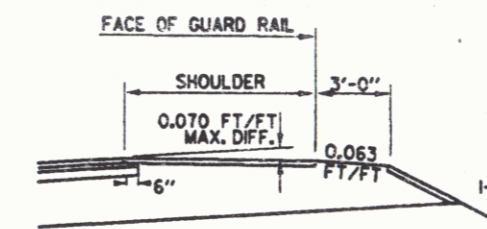


MAXIMUM BANKED SECTION 0.038 FT/FT

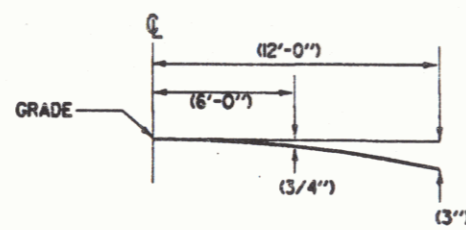


NORMAL SECTION IN ROCK CUT

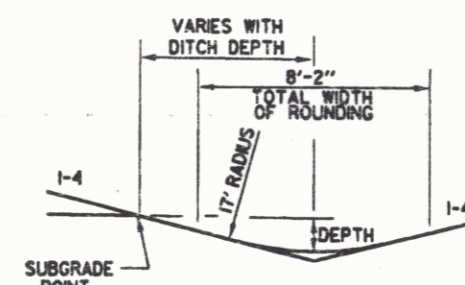
FOR SLOPES IN SOLID ROCK EXCAVATION AND DRILLING AND BLASTING OF SOLID ROCK SUBGRADE, SEE STANDARD SHEET A-60.



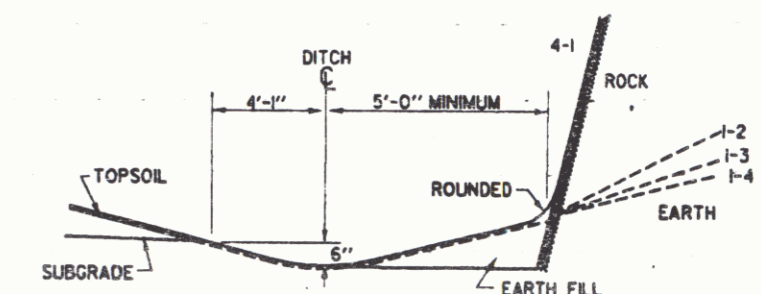
DETAIL OF GUARD RAIL ON HIGH SIDE OF BANKED SECTION



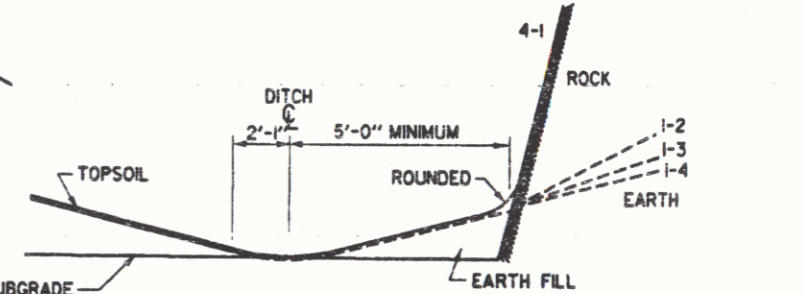
PARABOLIC DETAIL



TYPICAL DITCH DETAILS



DETAILS OF DITCH AND BACKSLOPE FOR LOW SIDE OF BANK < 0.042 FT/FT

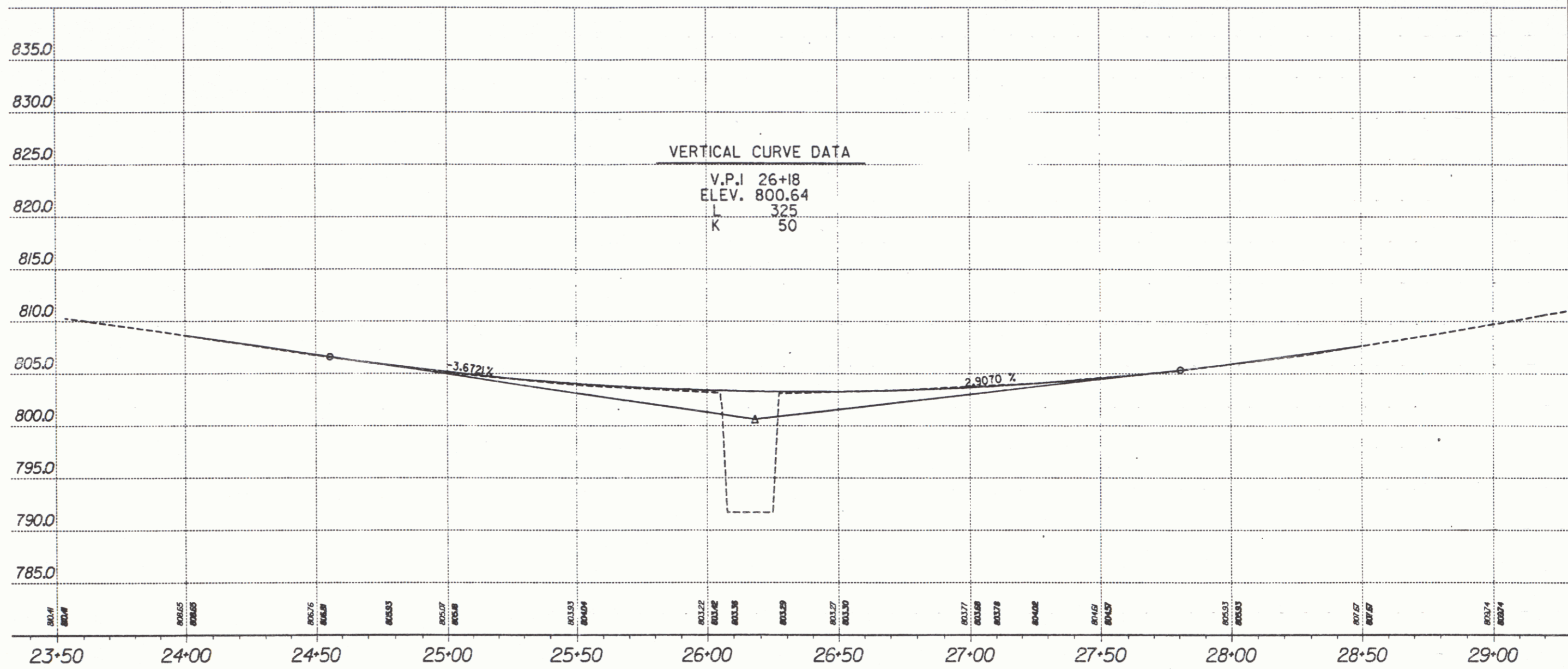


DETAILS OF DITCH AND BACKSLOPE FOR LOW SIDE OF BANK ≥ 0.042 FT/FT

DATUM	VERTICAL	HORIZONTAL
	1929	N/A

SURVEYED BY	MOREAU	DATE	
DRAWN BY	J.A.H.	DATE	
SQUAD LEADER	D.F. HALE		
DESIGN FILE NO.	90C093.2D		
PRF FILE	90C093.1	DATE PLOTTED	4-NOV-1991
<b>WORCESTER</b>			
<b>RS 0241 (26)</b>			
R.O.W. SHEET (2) OF 7 SHEETS			

# WORCESTER RS0241(26)



DATUM  
 VERTICAL \_\_\_\_\_  
 HORIZONTAL \_\_\_\_\_

MAY 02 1994

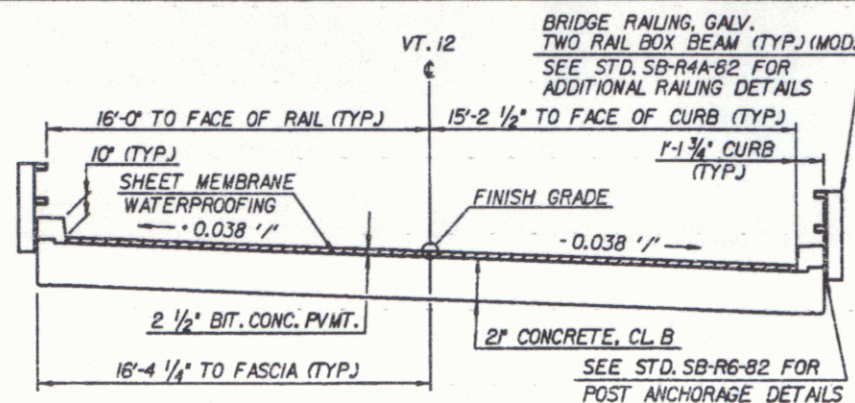
SURVEYED BY	MOREAU	DATE	8/90
DRAWN BY	J.A.H.	DATE	
SQUAD LEADER	D.F. HALE		
DESIGN FILE NO.	90C093.DGN		
PRF FILE	90C093PFL	DATE PLOTTED	12-JUN-1991
<b>WORCESTER RS 0241 (26)</b>			
R.O.W. SHEET (3) OF 7 SHEETS			

INDEX OF SHEETS

BR100	PRELIMINARY INFORMATION AND GENERAL NOTES
BR101	BRIDGE QUANTITY SHEET
BR102	PLAN AND ELEVATION
BR103	SLAB DETAILS
BR104	ABUTMENT AND WINGWALL DETAILS
BR105	APPROACH SLAB DETAILS
BR106	REINFORCING STEEL SCHEDULE
BR107-BR100	CHANNEL SECTIONS

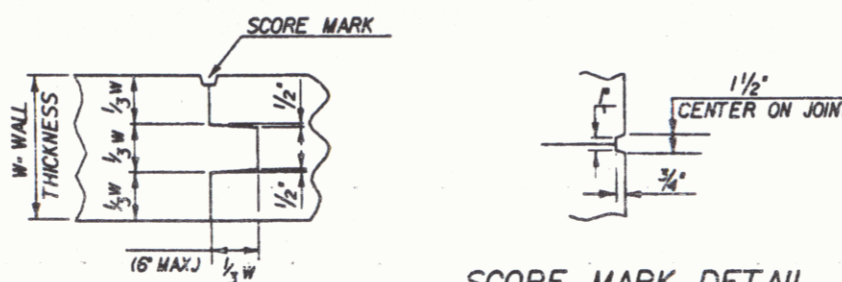
LIST OF STANDARDS

SB-R4A-82	9-19-89 R
SB-R4B-82	3-30-88 R
SB-R6B-82	12-13-84 R

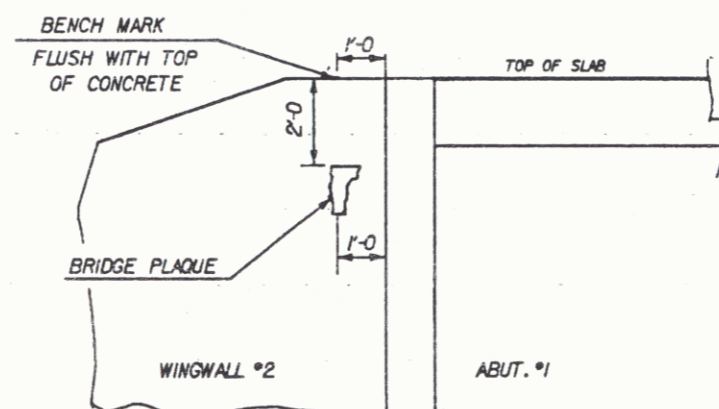


GENERAL NOTES

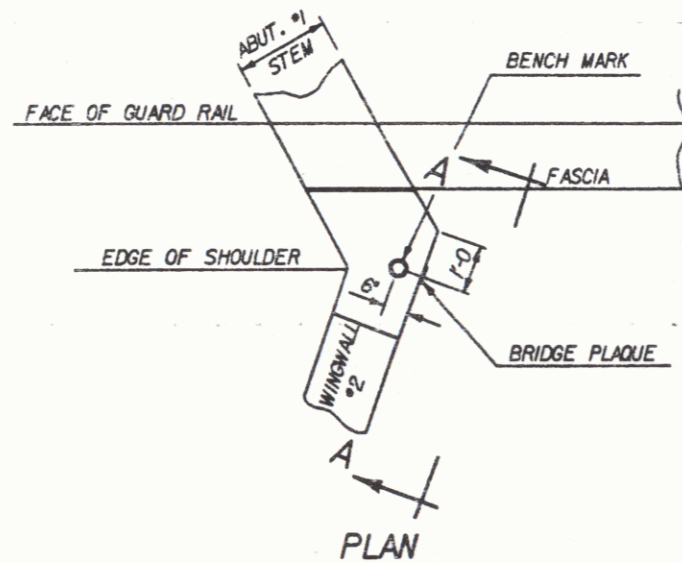
- ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE AGENCY OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 1990, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, FOURTEENTH EDITION, AND ITS LATEST REVISIONS.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO PREVENT SILTATION OR POLLUTION, ESPECIALLY THE DISCHARGE OF RAW CONCRETE, INTO THE HANCOCK BROOK, AS DIRECTED BY THE ENGINEER AND STANDARD SPECIFICATION SECTION 105.
- TEN CUBIC YARDS OF ADDITIONAL STONE FILL, TYPE III, (3-5 FT. DIA.) 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 IN A LOCATION RECOMMENDED BY THE BIOLOGIST OR THE STREAM ALTERATION ENGINEER AND AS DIRECTED BY THE RESIDENT ENGINEER.
- TRAFFIC SHALL BE MAINTAINED ON VERMONT ROUTE NO. 12 DURING CONSTRUCTION OF THE NEW BRIDGE UNDER THE ITEM "TWO 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."
- 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.
- 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 ON 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 + - 1"  
CLEARANCE + - 1/4"
- THE FOLLOWING TABLE OF ALLOWABLE STRESSES AND WEIGHTS APPLY TO THESE PLANS FOR DESIGN PURPOSES:  
CONCRETE:  $f'_c = 3500$  PSI     $f_{ci} = 4000$  PSI  
REINFORCING STEEL:  $F_y = 24,000$  PSI    Grade 60  
SOIL: UNIT WEIGHT    140 PCF
- BRIDGE IS DESIGNED FOR HS 25-44



TYPICAL CONCRETE CONSTRUCTION JOINT



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. (DETAILS ABOVE ARE NOT MEANT TO BE SITE SPECIFIC.)

EXISTING STRUCTURE

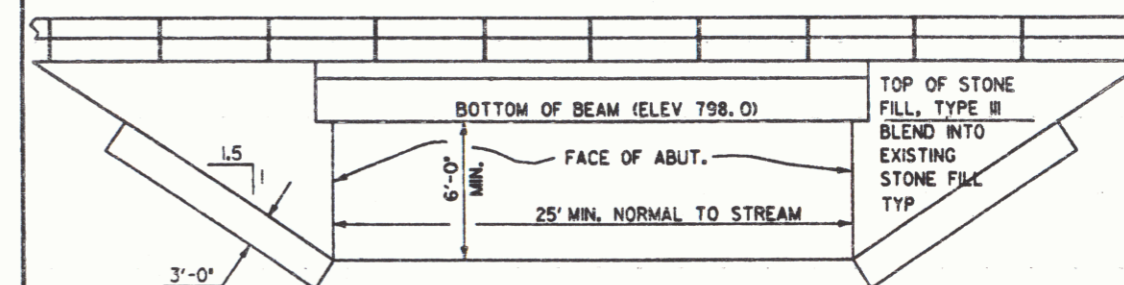
1. STRUCTURE TYPE	SINGLE SPAN CONCRETE SLAB BRIDGE	OVERALL LENGTH	23 FT	INVENTORY RATING	RS
2. SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS			8 FT		
3. CLEAR SPAN LENGTH(S) NORMAL TO STREAM			8 FT		
4. WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM)	80 SQ FT	VERTICAL CLEARANCE ABOVE STREAMBED	8 FT		
5. WATER SURFACE ELEVATION @ 0.25 CFS	EL. 796.5	WATER SURFACE ELEVATION @ 0.50	EL. 796.5	130 SQ FT	
6. WATER SURFACE ELEVATION AT FLOOD OF RECORD	1988/89	YEAR		ESTIMATED DISCHARGE	
7. DOES ALL WATER PASS THROUGH EXISTING STRUCTURE? YES IF NOT, AT WHAT FREQUENCY AND ELEVATION DOES RELIEF OCCUR?					
8. TYPE OF SUBSTRUCTURE FOUNDATION MATERIAL	UNDESIGN				
9. DISPOSITION OF STRUCTURE	REMOVAL OF STRUCTURE				

NEW STRUCTURE

1. STRUCTURE TYPE	SINGLE SPAN CONCRETE SLAB BRIDGE	OVERALL LENGTH	23 FT
2. SPAN LENGTH(S) CENTER TO CENTER OF BEARINGS			8 FT
3. VERTICAL CLEARANCE ABOVE STREAMBED OR ROAD UNDER			8 FT
4. CLEAR SPAN LENGTH(S) NORMAL TO STREAM			8 FT
5. WATERWAY AREA OF FULL OPENING (NORMAL TO STREAM)	80 SQ FT		8 FT
6. ARE PROVISIONS TO BE MADE FOR PUBLIC UTILITIES?			R / A

HYDRAULIC DATA:							
1. Q 2.33	450 CFS	WATER ELEVATION	796.4	VELOCITY	8.1 FPS		
0.10	750 CFS	WATER ELEVATION	796.5	VELOCITY	8.5 FPS		
0.25	800 CFS	WATER ELEVATION	796.5	VELOCITY	8.4 FPS		
0.50	850 CFS	WATER ELEVATION	796.6	VELOCITY	8.4 FPS		
0.100	850 CFS	WATER ELEVATION	796.7	VELOCITY	8.8 FPS		
2. DRAINAGE AREA	3.6 SQ MI	CHARACTER OF TERRAIN	FLAT TO HILLSIDES				
3. ARE THERE OBJECTIONS TO A PIER IN THE STREAM?		YES	IS ORDINARY RISE RAPID?	YES			
4. DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY?		NO					
5. NATURE OF NATURAL STREAMBED		GRAVEL, COBBLES, AND Boulders					
6. ESTIMATED SCOUR DEPTH	3 FT	COMMENT ON DRIFT	MINOR	ICE	SLIGHT		
7. WILL ALL WATER PASS THROUGH NEW STRUCTURE? YES IF NOT, WHAT FREQUENCY AND ELEVATION WILL RELIEF OCCUR?					R / A		
8. VERTICAL CLEARANCE ABOVE 0.25 CFS	8 FT						
9. ALLOWABLE WATER SURFACE ELEVATION	80.0	LIMITED BY	BOTTOM OF BRIDGE				
10. IS DESIGN STAGE AFFECTED BY UPSTREAM OR DOWNSTREAM CONDITIONS?	NO	IF YES, DESCRIBE					
11. ORDINARY LOW FLOW	4 CFS	DEPTH	1 FT	ORDINARY HIGH FLOW	800 CFS	DEPTH	3 FT
12. STREAMBANK OR CHANNEL PROTECTION REQUIRED		TYPE	STONE, 2 1/2' TYPE III				
13. DISTANCE TO EXISTING UPSTREAM STRUCTURE	1.3 MI	SPAN	24 FT	WATERWAY AREA OF FULL OPENING	180 SQ		
14. DISTANCE TO EXISTING DOWNSTREAM STRUCTURE	2.3 MI	SPAN	24 FT	WATERWAY AREA OF FULL OPENING	180 SQ		
NORTH BRANCH OF THE WOODS RIVER							

ALLOWABLE STRESSES:							
1. DESIGN LIVE LOAD	AASHTO	HS 25					
2. ALLOWABLE LOAD FOR SPREAD FOOTINGS ON SOIL		4.5K	ON LEDGE	N/A			
3. ALLOWABLE LOAD FOR PILING		8/2	TYPE	N/A	ESTIMATED LENGTH	N/A	N/A
4. ALLOWABLE STRESS FOR STRUCTURAL STEEL	AASHTO W 22	N/A	TENSION				
5. ALLOWABLE STRESS FOR REINFORCING STEEL	GRADE 60	TENSION	84,000	COMPRESSION	80,000		
6. ALLOWABLE STRESS FOR CONCRETE CLASS A	7.5	4,000	PSI	7.5	4,000	PSI	
	CLASS B	7.5	5,000	PSI	7.5	4,500	PSI
TRAFFIC MAINTENANCE:							
1. IS TRAFFIC TO BE MAINTAINED?	YES	IF YES, ON EXISTING STRUCTURE	NO	OR ON TEMPORARY BRIDGE	YES		
2. TEMPORARY BRIDGE REQUIREMENTS: ONE OR TWO WAY	TWO	TRAFFIC CONTROL SIGNALS REQUIRED	NO				
	MINIMUM CLEAR SPAN	23 FT	MINIMUM CLEAR HEIGHT	8 FT	MINIMUM WATERWAY AREA	80 SQ FT	
	ARE SIDEWALKS REQUIRED?	NO	IF SO, ON WHAT SIDE?				



TEMPORARY BRIDGE ELEVATION

LOAD RATING (TONS)						
TRUCK						
STRESS LEVELS	H	HS	352	5 AXLE SA STR. 44	STR. 44	SEN
INVENTORY	33	53				
POSTED	48	76	96	57	58	96
OPERATING		91	114	105	67	69

**STATE OF VERMONT AGENCY OF TRANSPORTATION**

Town Of	WORCESTER	Bridge No.	23
Highway No.	VT 12	Log Sta.	195 + 35
		Surv. Sta.	26 + 07.85

REVISIONS	
NO.	DESCRIPTION

PRELIMINARY INFORMATION & GENERAL NOTES

Designed By P. THURBER    Drawn By G. ADY & S. MANNAN

MAY 02 1994

WORCESTER  
RS 0241 (26)

R.O.W. SHEET 4 OF 7 SHEETS



TABLE OF PROJECT PROPERTY ACQUISITION

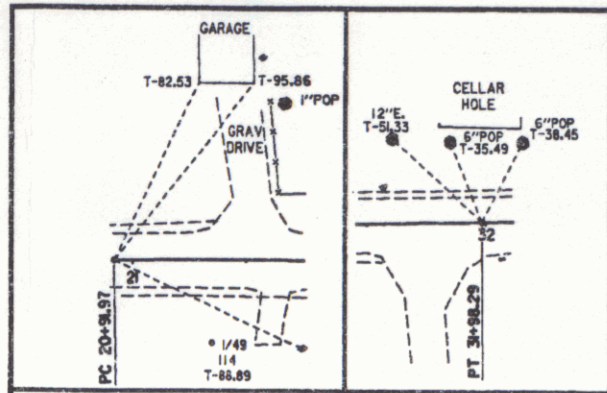
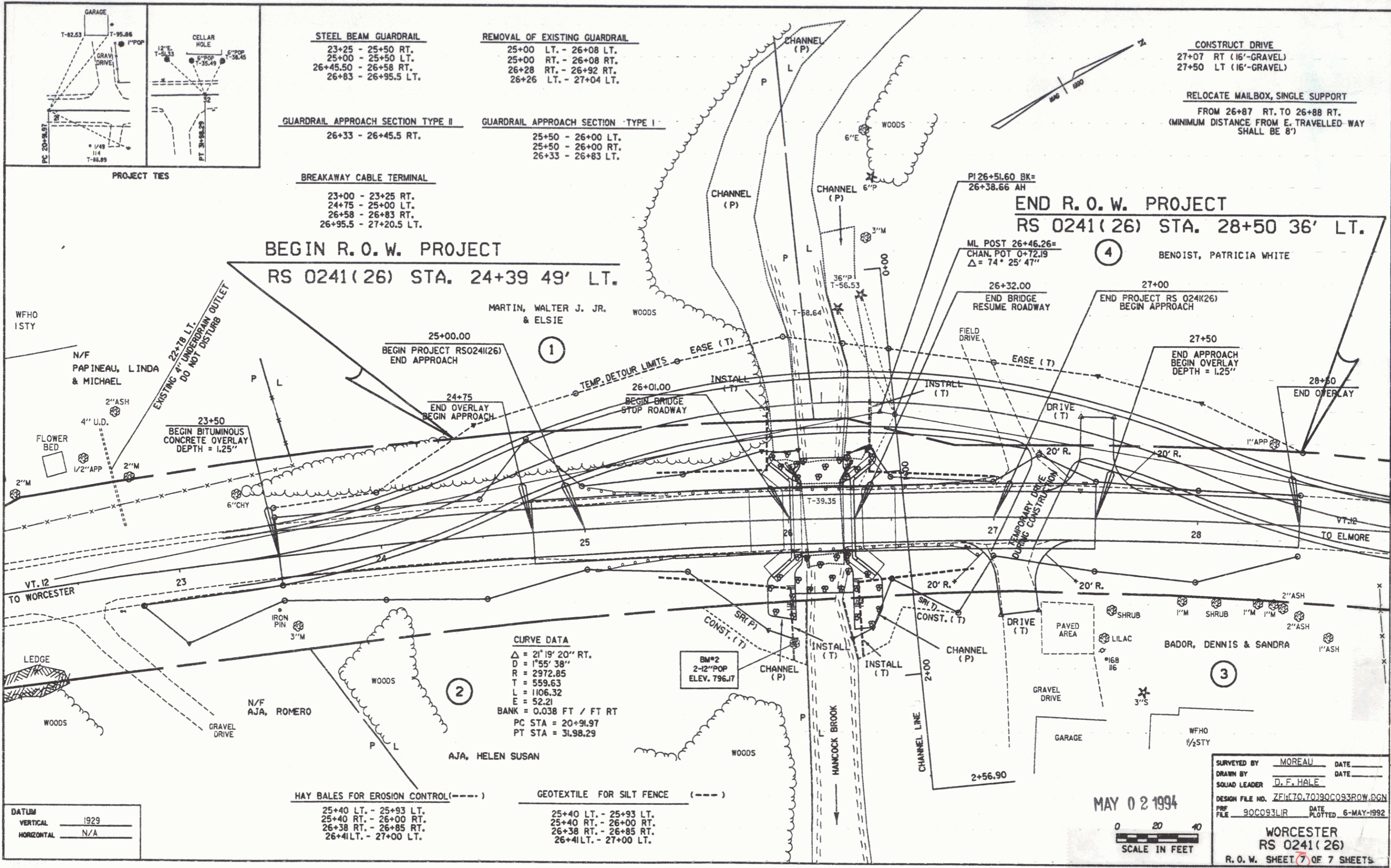
STATE OF VERMONT  
AGENCY OF TRANSPORTATION  
RIGHT OF WAY PLANS  
DETAIL SHEET

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
1	MARTIN, WALTER J. JR. & ELSIE	7	24+39 LT. 25+66 LT. 25+90 LT.	25+14 LT. 26+03 LT.			EASE. (T) 0.09A± CHANNEL (P) 0.09A± INSTALL (T)	WDOE		WORCESTER			TEMPORARY DETOUR 4030 S.F. ± 3390 S.F. ± SILT FENCE	1	1,6 7	PARCEL NO. 1 MARTIN. CHANGE BEG. STA. OF EASE. (T) FOR TEMP. DETOUR FROM 23+77 LT. TO 24+39 LT., 0.09A±, 4030 S.F. ±. PER C. O. 8214.	05-06-92	M. J. R.	L. W. B.
2	AJA, HELEN SUSAN	7	25+56 RT. 25+70 RT. 25+88 RT. 26+00 RT.	26+07 RT. 26+02 RT. 26+02 RT.			CONST. (T) 0.01A± SLOPE (P) 0.01A± CHANNEL (P) 0.01A± INSTALL (T)	WDOE		WORCESTER			600 S.F. ± 215 S.F. ± 110 S.F. ± SILT FENCE	2	7	PARCEL NO. 3 BADOR. ADD TEMPORARY DRIVE TO LAYOUT. NO ADDITIONAL RIGHTS NEEDED. PER C. O. 8215	05-06-92	M. J. R.	L. W. B.
3	BADOR, DENNIS & SANDRA	7	26+30 RT. 26+33 RT. 26+24 RT. 26+64 RT. 27+07 RT.	26+46 RT. 26+35 RT. 26+83 RT. 26+89 RT.			CHANNEL (P) 0.01A± INSTALL (T) CONST. (T) 0.01A± SLOPE (T) 0.01A± DRIVE (T)	WDOE		WORCESTER			190 S.F. ± SILT FENCE 540 S.F. ± 120 S.F. ± 16' GRAVEL M.P. 0353						
4	BENOIST, PATRICIA WHITE	7	26+00 LT. 26+11 LT. 26+18 LT. 26+40 LT. 27+50 LT.	26+35 LT. 28+50 LT. 26+41 LT.			CHANNEL (P) 0.01A± EASE. (T) 0.17A± CHANNEL (P) 0.03A± INSTALL (T) DRIVE (T)	WDOE		WORCESTER			420 S.F. ± TEMPORARY DETOUR 1170 S.F. ± SILT FENCE 16' GRAVEL M.P. 0354						

MAY 02 1994

<p>03-3533 1805 90C093</p> <p>ACCT.root /p/03/90C093/rc093d.dgn DATE PLOTTED 27-APR-1994</p>	<p>DR. (P)- DRAINAGE RIGHT DIT. (P)- DITCHING RIGHT CH. (P)- CHANNEL RT. DRIVE (T)- DRIVE RIGHT CUL. (P)- CULVERT RIGHT [W]- WATER SOURCES</p>	<p>PRESENT R.O.W. TAKING WITHOUT ACCESS TAKING WITHOUT ACCESS ALONG PROPERTY LINE TAKING WITH ACCESS PERMANENT EASEMENT TEMPORARY EASEMENT</p>	<p>LEGEND</p> <p>..... CZ (P) ..... CLEAR ZONE --- CONST. (T) --- CONSTRUCTION EASEMENT --- SR --- SLOPE RIGHTS --- P --- PROPERTY LINE --- L --- TOP OF CUT --- O --- TOE OF SLOPE</p>	<p>R. O. W. PLANS</p> <p>APPROVED: LAWRENCE BLISS, L.S. DATE: 01-22-92 AGENT D. PLANS &amp; TITLES</p>	<p>WORCESTER RS 0241(26) SHEET 6 OF 7</p>
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6



**STEEL BEAM GUARDRAIL**  
 23+25 - 25+50 RT.  
 25+00 - 25+50 LT.  
 26+45.50 - 26+58 RT.  
 26+83 - 26+95.5 LT.

**REMOVAL OF EXISTING GUARDRAIL**  
 25+00 LT. - 26+08 LT.  
 25+00 RT. - 26+08 RT.  
 26+28 RT. - 26+92 RT.  
 26+26 LT. - 27+04 LT.

**GUARDRAIL APPROACH SECTION TYPE II**  
 26+33 - 26+45.5 RT.

**GUARDRAIL APPROACH SECTION TYPE I**  
 25+50 - 26+00 LT.  
 25+50 - 26+00 RT.  
 26+33 - 26+83 LT.

**BREAKAWAY CABLE TERMINAL**  
 23+00 - 23+25 RT.  
 24+75 - 25+00 LT.  
 26+58 - 26+83 RT.  
 26+95.5 - 27+20.5 LT.

**CONSTRUCT DRIVE**  
 27+07 RT (16'-GRAVEL)  
 27+50 LT (16'-GRAVEL)

**RELOCATE MAILBOX, SINGLE SUPPORT**  
 FROM 26+87 RT. TO 26+88 RT.  
 (MINIMUM DISTANCE FROM E. TRAVELLED WAY SHALL BE 8')

**BEGIN R. O. W. PROJECT**  
 RS 0241(26) STA. 24+39 49' LT.

**END R. O. W. PROJECT**  
 RS 0241(26) STA. 28+50 36' LT.

MARTIN, WALTER J. JR. & ELSIE

WFHO 1STY  
 N/F PAPINEAU, LINDA & MICHAEL

23+50  
 BEGIN BITUMINOUS CONCRETE OVERLAY  
 DEPTH = 1.25"

25+00.00  
 BEGIN PROJECT RS0241(26)  
 END APPROACH

24+75  
 END OVERLAY  
 BEGIN APPROACH

26+01.00  
 BEGIN BRIDGE  
 STOP ROADWAY

PI 26+51.60 BK= 26+38.66 AH

ML POST 26+46.26= CHAN. POT 0+72.19  
 $\Delta = 74^\circ 25' 47''$

4 BENOIST, PATRICIA WHITE

26+32.00  
 END BRIDGE  
 RESUME ROADWAY

27+00  
 END PROJECT RS 0241(26)  
 BEGIN APPROACH

27+50  
 END APPROACH  
 BEGIN OVERLAY  
 DEPTH = 1.25"

28+50  
 END OVERLAY

TO WORCESTER

LEGE

N/F AJA, ROMERO

AJA, HELEN SUSAN

BADOR, DENNIS & SANDRA

WFHO 1/2STY

**CURVE DATA**  
 $\Delta = 21^\circ 19' 20''$  RT.  
 $D = 1^\circ 55' 38''$   
 $R = 2972.85$   
 $T = 559.63$   
 $L = 1106.32$   
 $E = 52.21$   
 BANK = 0.038 FT / FT RT  
 PC STA = 20+91.97  
 PT STA = 31.98.29

BM#2  
 2-12" POP  
 ELEV. 796.17

HAY BALES FOR EROSION CONTROL (---)

GEOTEXTILE FOR SILT FENCE (---)

25+40 LT. - 25+93 LT.  
 25+40 RT. - 26+00 RT.  
 26+38 RT. - 26+85 RT.  
 26+41 LT. - 27+00 LT.

25+40 LT. - 25+93 LT.  
 25+40 RT. - 26+00 RT.  
 26+38 RT. - 26+85 RT.  
 26+41 LT. - 27+00 LT.

**DATUM**  
 VERTICAL 1929  
 HORIZONTAL N/A

MAY 02 1994

SCALE IN FEET

SURVEYED BY MOREAU DATE  
 DRAWN BY DATE  
 SOLID LEADER D. F. HALE  
 DESIGN FILE NO. ZFH70.701900933ROW.DGN  
 PRF FILE 90C093LIR DATE PLOTTED 6-MAY-1992  
**WORCESTER**  
**RS 0241(26)**  
 R. O. W. SHEET 7 OF 7 SHEETS

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