

- INDEX OF SHEETS
- Title, Typical
 - Quantity
 - Plan & Profile
 - E.D.W. Detail Sheet
 - Blank
 - A-61 Solid Rock Excavation
 - B-5 Rounding of Slopes
 - C-3 Bridge Construction Approach Signs
 - E-4 On Project Construction Signs
 - E-4 Guard Rail, Heavy Duty Steel Beam with Wood Posts, Type II and Anchors
 - G-10 Guard Rail, Heavy Duty Steel Beam with Wood Posts, Type II
 - H-1 Boundary Markers
 - SCB-DI-75 Details of W Beam Bridges
 - SCB-06-73 Details of W Beam Bridges
 - SCB-06-76 Bridge Rail Mountings
 - Blank
 - Cross Sections
 - Bridge Sheets (Includes Grades and Earthworks)

RECORD PLANS-MATERIAL SUPPLIERS

CONTRACTOR-STEPHEN E. AUSTIN, CONCORD, VT.
CONTRACT DATED -21 NOVEMBER 1979
CONSTRUCTION BEGAN -30 APRIL 1979

STATE OF VERMONT AGENCY OF TRANSPORTATION



CONSTRUCTION COMPLETED -6 SEPTEMBER 1979 ACCEPTED -19 SEPTEMBER 1979
RESIDENT ENGINEER-ROBERT A. STEVENS RECORD PLANS-GEORGE J. ABAIR
GRANULAR BACKFILL FOR STRUCTURES-COOLEY PIT, EAST MONTPELIER, VT.
SUB-BASE OF GRAVEL-McCULLOUGH PIT, WOODBURY, VT.
CONCRETE-HUTCH CONCRETE CONTRACTING CORP., MONTPELIER, VT.
REINFORCING STEEL, WATER REPELLENT-K-ROSS BUILDING SUPPLY CENTER
LEBANON, N.H.
EPOXY BONDING COMPOUND-RAMCHEM, MONTPELIER, VT.

BRIDGE RAILING, GUARD RAIL, ANCHORS FOR GUARD RAIL-LAFAYETTE-SHELDON INC., ESSEX JCT, VT.
SEED-AGWAY, SYRACUSE, N.Y.
FERTILIZER-AGRICO CHEMICAL CO., BRADFORD, VT.
AGRICULTURAL LIMESTONE-SWANTON LIME WORKS, SWANTON, VT.

PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF PLAINFIELD
COUNTY OF WASHINGTON

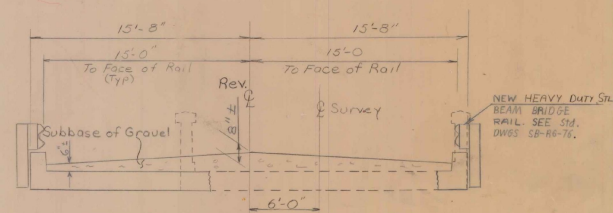
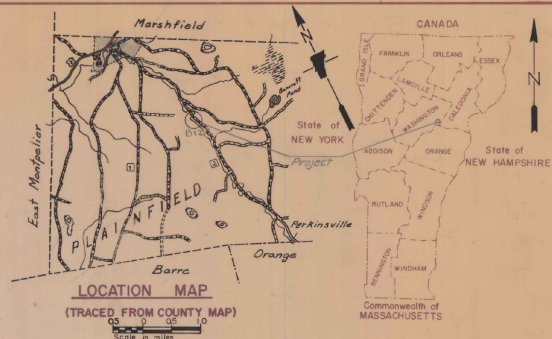
ROUTE NO: TH.2, CL. II BRIDGE NO: 12

PROJECT LOCATION: BEGINNING AT A POINT 3.34 MILES NORTHERLY OF THE

PLAINFIELD/ORANGE TOWN LINE, AND EXTENDING NORTHERLY 0.038 MILES.

PROJECT DESCRIPTION: Consists of widening the existing Bridge with a P.O. Slab
Bridge addition on the upstream side. Also related roadway and Channel Work.

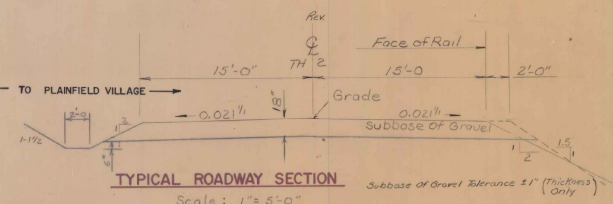
LENGTH OF STRUCTURE: 19.4 FEET
LENGTH OF PARTICIPATION ROADWAY: 180.6 FEET
LENGTH OF PROJECT: 200 FEET



TYPICAL BRIDGE SECTION

Scale: NTS

BUILT AS DESIGNED



TYPICAL ROADWAY SECTION

Scale: 1" = 5'-0"

HYDRAULIC DATA

Drainage Area = 9.9 sq. mi.
Q₁₀ = 1000 cfs HW = 8.8'
Q₂₅ = 1300 cfs HW = 11.0'
Q₅₀ = 1600 cfs HW = 11.7'
Q₁₀₀ = 1900 cfs HW = 12.1'
CHW = 38 cfs; depth of flow = 1.5'
CLW = 10 cfs; depth of flow = 1.0'

Traffic Count

1975 ADT 230
1975 DHV 50
D 53
T 6

1983 ADT 295

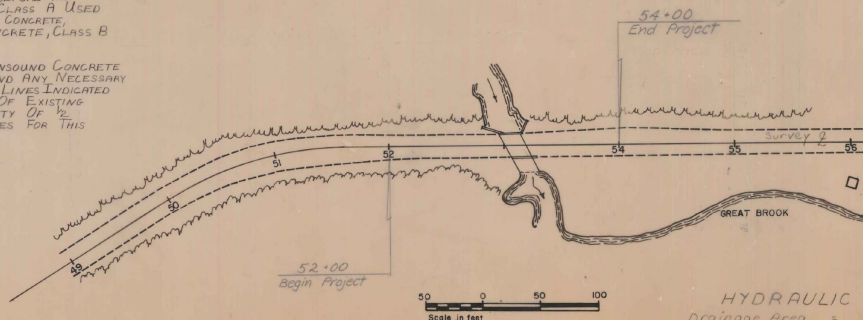
1985 DHV 65

Design Speed 25 M.P.H.

5 Year Accidents - 4

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
CONST. IDENTIFICATION SIGNS
PROPERTY LINE
ROW TAKING LINE
SLOPE SIGNS
TOP OF CUT
TOE OF SLOPE



Scale in feet

These plans are subject to such engineering changes as may be required by the Federal Highway Administration or the Director of Engineering and Construction.
Construction is to be carried on in accordance with these plans and the Standard Specifications for Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration on a project to project basis including all subsequent revisions and such revised specification and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE TRANS. BOARD
APPROVED: *S. J. Papp* DATE: 8-29-78
DIRECTOR OF ENGINEERING AND CONSTRUCTION
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____ DATE: _____
DIVISION ENGINEER
PROJECT: SRS NO 2302 (2)
SHEET 1 OF 30 SHEETS
SRS 12/17/70

STATE OF VERMONT DEPARTMENT OF HIGHWAYS
PROJECT SRS NO. 2302 (2)

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	SAMAN, PETER S	3	50+73 LT. 51+70 LT. 53+05 LT.	55+50 LT. 53+25 LT. 53+15 LT.	0.06 A ± 202.94 A ±		SLOPE (P) (700 S.F. ±) CHANNEL (P) (253 S.F. ±)						2450 S.F. ±
2	TOWN OF PLAINFIELD - LESSOR GRIGGS, ALBERT O. & ONDREE S. - LESSEES	3	51+85 RT. 53+07 RT.	52+75 RT. 53+32 RT.			SLOPE (P) (400 S.F. ±) CHANNEL (P) (125 S.F. ±)						
3	DELETED												FORMERLY: LUND, WEBSTER S. & GLADYS I.

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	3	Parcel #1 Saman added Construct Drive 54+00 Lt. to Layout Sheet Per C.O. # 3353.	4/26/77	A.G.S.	WEB
2	2	Parcel #1 Saman Revised Slope Right Area from 7253 S.F. to 700 S.F. Per C.O. # 3375	5-19-77	TRM	TRM.
3	3	PARCELS 2 & 3 - GRIGGS & LUND. CHANGED P/L & DELETED PARCEL # 3. ADDED CHANNEL RIGHT AREA TO PARCEL #2. PER C.O. # 3385	5-25-77	NBB	TRM.
4	2 & 3	Parcel #1 Saman Deleted Town of Plainfield-Lessor. Per C.O. # 3670	1-27-78	A.G.S.	TRM

MADE BY: A.G.S. DATE: 3/21/77
CHECKED BY: W.E.B. DATE: 3/21/77

DR. RT. - DRAINAGE RIGHT
DIT. RT. - DITCHING RIGHT
CH. RT. - CHANNEL RIGHT
DRIVE RT. - DRIVE RIGHT
CUL. RT. - CULVERT RIGHT
DEM. - 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

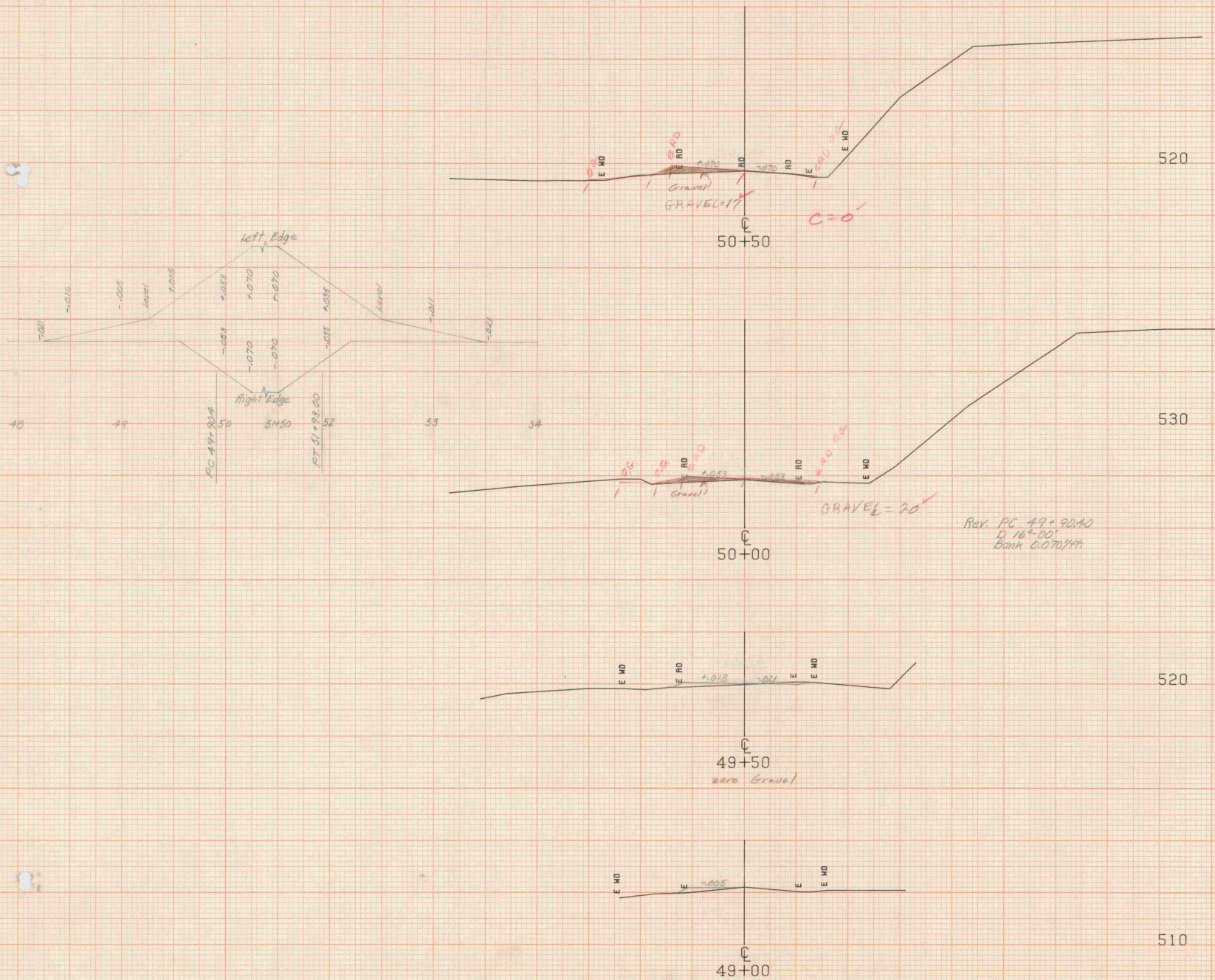
SR - SR - SLOPE RIGHTS
P - P - PROPERTY LINE
Δ - Δ - TOP OF CUT
O - O - TOP OF SLOPE

APPROVED: *Thomas P. May* DATE: 3-21-77
CHIEF OF PLANS & TITLES

PROJECT PLAINFIELD

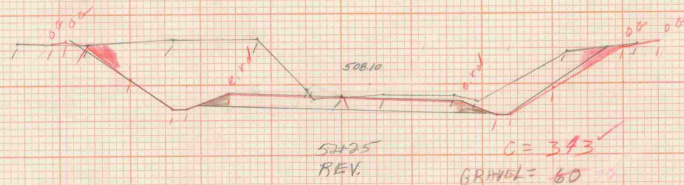
NO. SRS 2302 (2)
SHEET 2 OF 3

Sheet 4 of 30

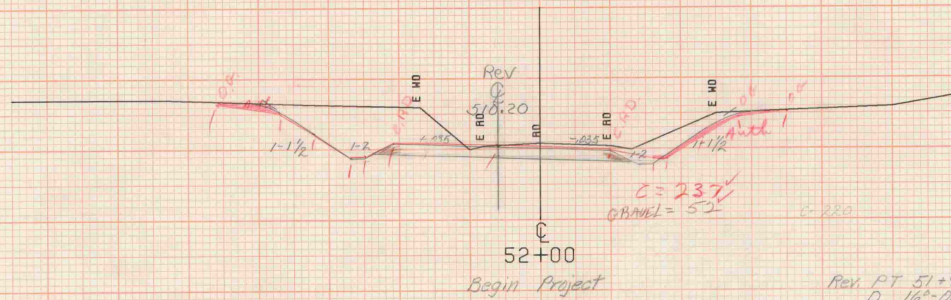


FROM STA. 49+00	TO STA. 50+50
PROJECT NAME	PLAINFIELD
NO.	SAS2302 (2)
SURVEYED BY	FANTONI
SHEET 18 OF	SHEETS 30
	PLOTTED 05/15/75
	MAY 1975

SCALE 1" = 10' FEET

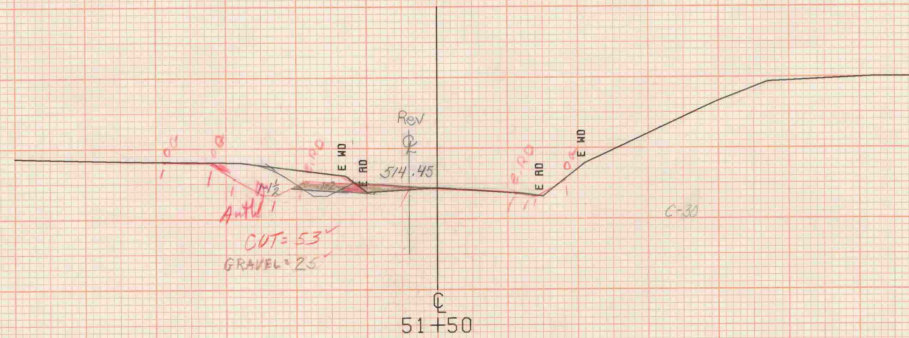


510
52+17 ~ 53+05 RT
Guard Rail, Heavy Duty Steel Beam
w/ Wood Posts, Type II (6'-3" Spacing except
in transition area. See Detail on Sheet 18 of 30)

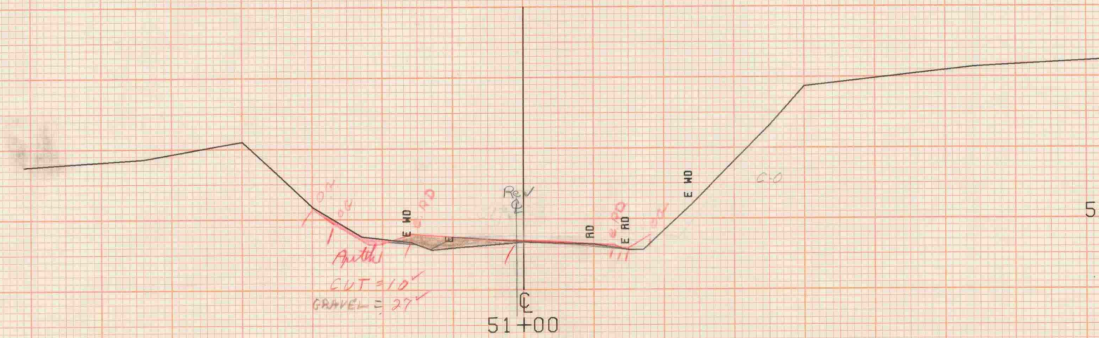


510

Rev. PT 51+93.00
D 16'-00"
Bank 0.070194



520



520

FINALS PLATTED 31 August 1977 per
PLAN 1 September 1977 per Mr. [Signature]

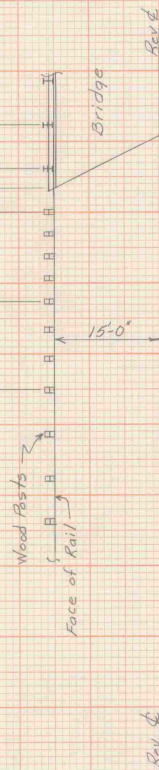
SCALE 1" = 10 FEET

FROM STA. 51+00	TO STA. 52+00
PROJECT NAME	PLAINFIELD
NO.	SRS2302 (2)
SURVEYED BY	FANTONI
SHEET 19 OF	SHEETS 30
	MAY 1975

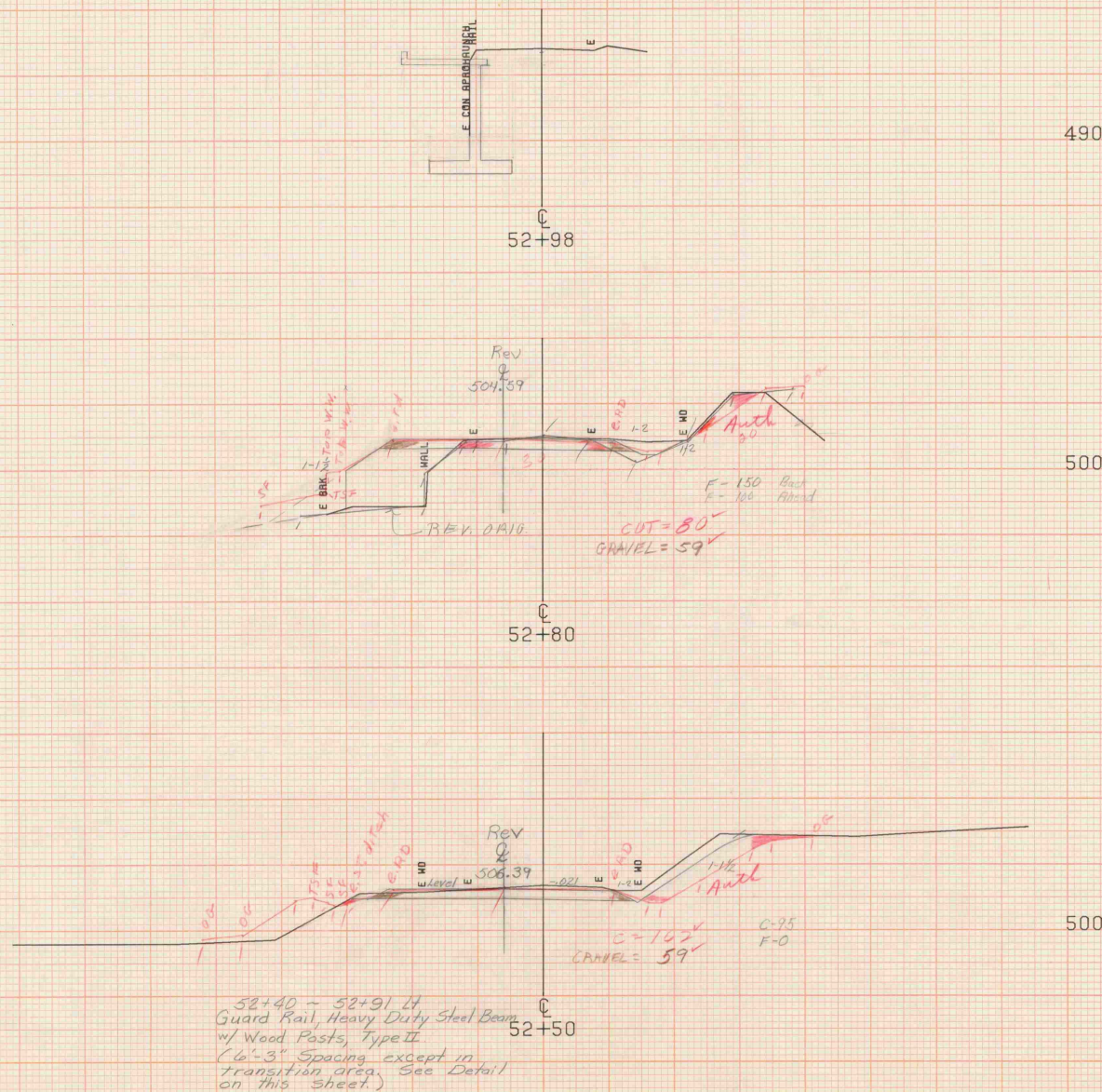
Guard Rail Heavy Duty Steel Beam - Bridge Railing Heavy Duty
w/ Wood Posts, Type II

Transition Area

6'-3" Spacing 3 Spaces 4 Spaces 6'-3" 6'-3"
@ 4'-2" @ 3'-1 1/2"



Typical Guard Rail Post Spacing Detail
At Four Corners of Bridge

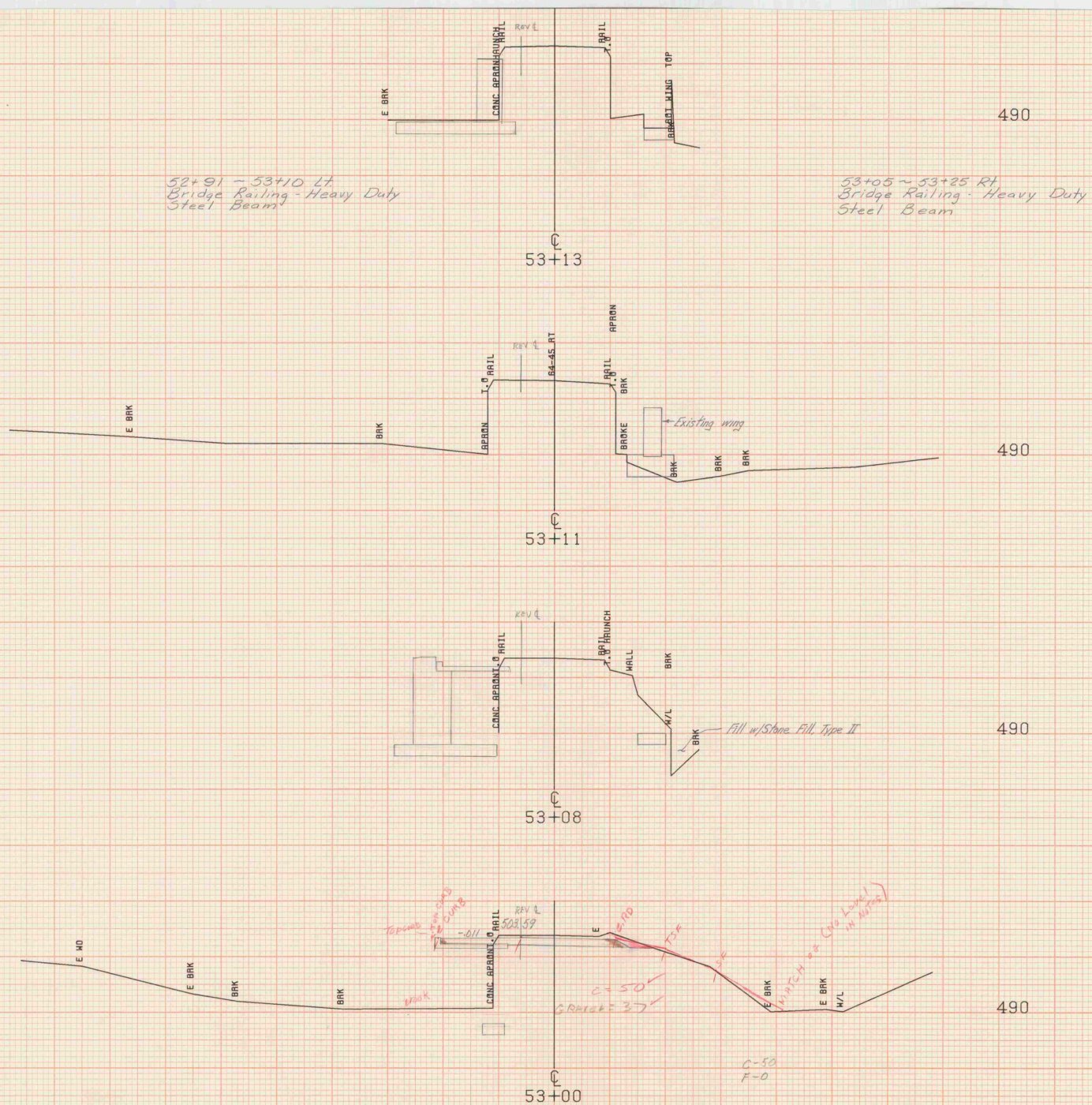


52+40 ~ 52+91.14
Guard Rail, Heavy Duty Steel Beam
w/ Wood Posts, Type II
(6'-3" Spacing except in
transition area. See Detail
on this sheet.)

FINAL - Plotted 31 August 1979 PLS
PLAN 4 September 1979 PLS PLS 9/4/79

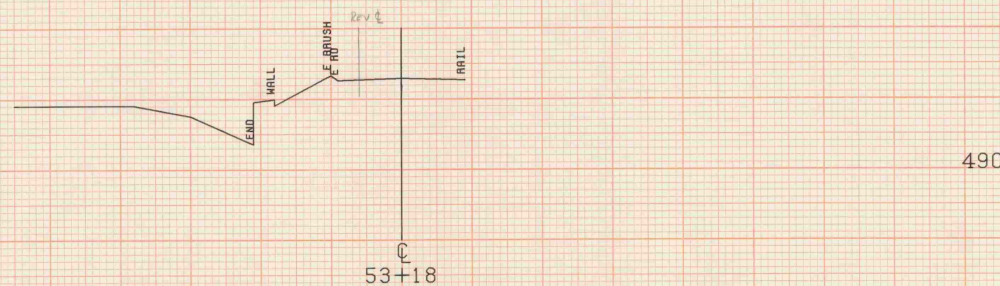
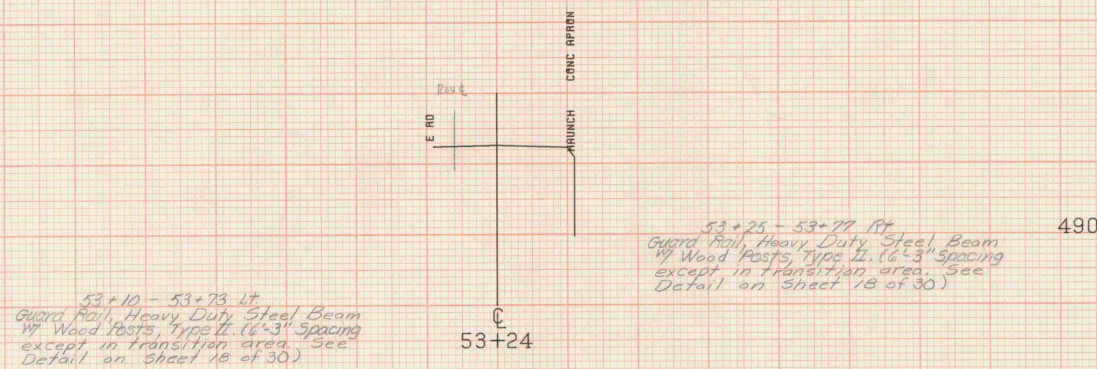
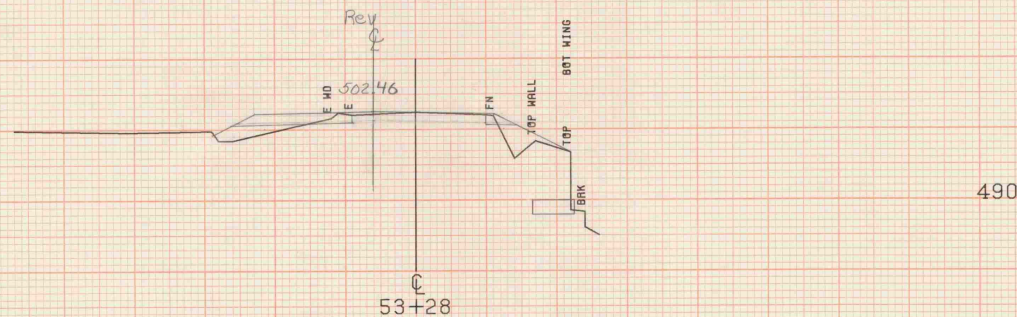
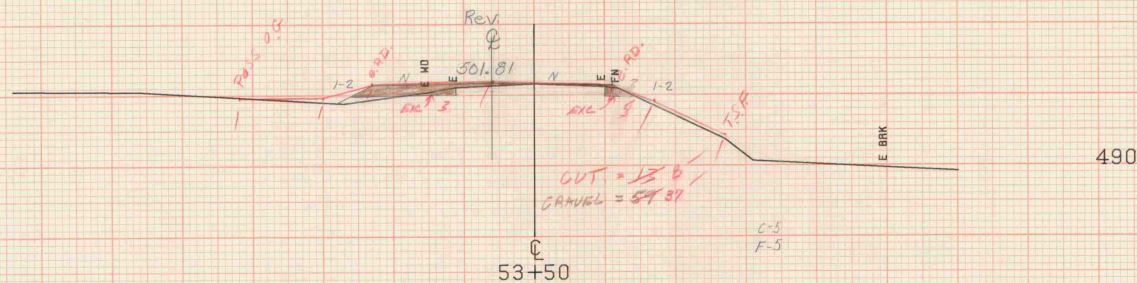
SCALE 1" = 10 FEET

FROM STA. 52+50	TO STA. 52+98
PROJECT NAME	PLAINFIELD
NO.	SAS2302 (2)
SURVEYED BY	FANTONI
SHEET 20 OF	SHEETS 30
	PLOTTED 05/15/75
	MAY 1975



FINNALS PLOTTED 31 August 1979 VES
PLAN 4 Sept 1979 VES Plan ✓ 9/1/79

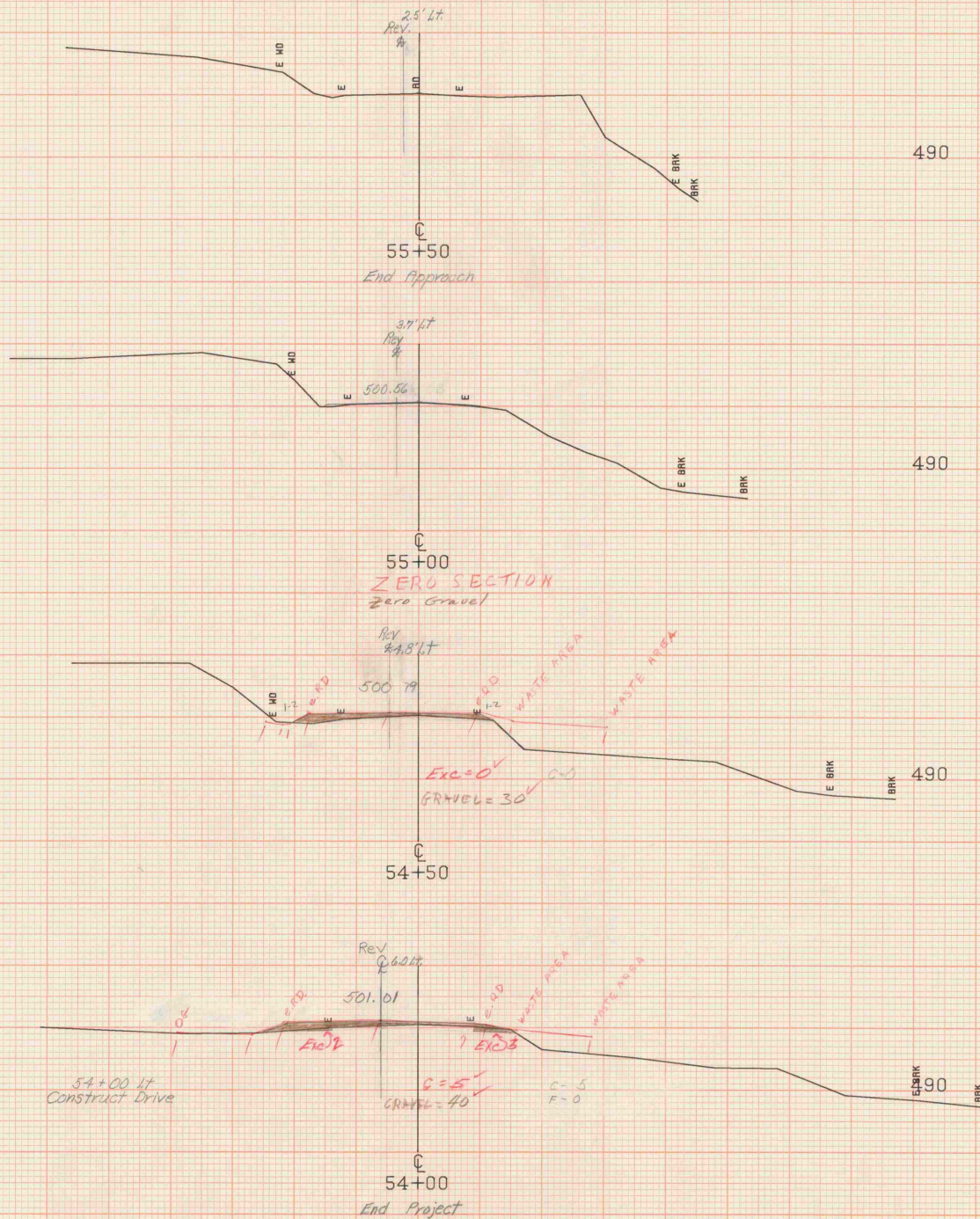
FROM STA. 53+00	TO STA. 53+13	
PROJECT NAME	PLAINFIELD	
NO.	SRS2302 (2)	PLOTTED 05/15/75
SURVEYED BY	FANTONI	MAY 1975
SHEET 21 OF	SHEETS 30	



FINALS PLOT - 31 August 1977 P32
PLAN 1 & September 1977 P31 Plan # 3/4/77

SCALE 10 FEET

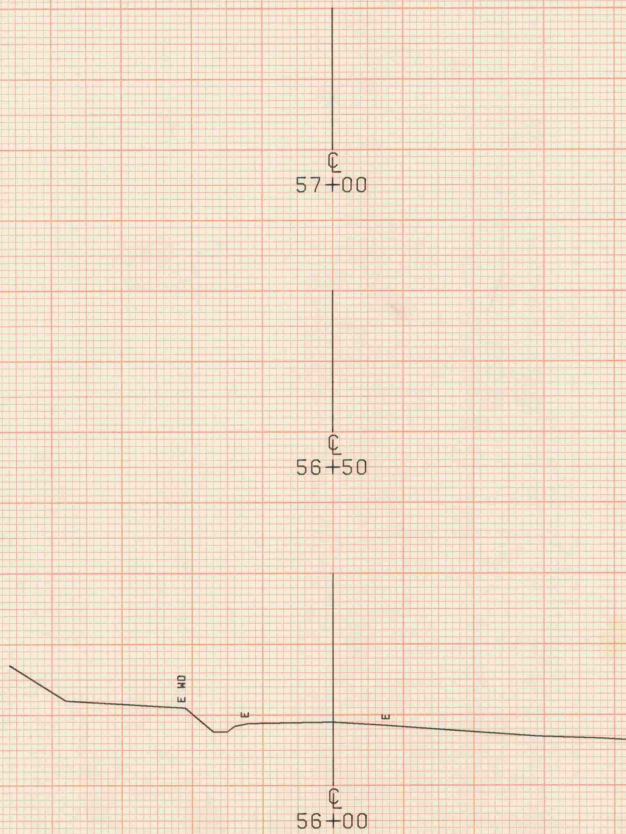
FROM STA. 53+18	TO STA. 53+50
PROJECT NAME	PLAINFIELD
NO.	SAS2802 (2)
SURVEYED BY	FANTONI
SHEET 22 OF	SHEETS 30
	PLOTTED - 05/15/75
	MAY 1975



Finals Plotted 31 August 1979 PLS
 PLAN 4 September 1979 PLS
 PLS 10 9/4/79

FROM STA. 54+00	TO STA. 55+50
PROJECT NAME	PLAINFIELD
NO.	SRS2302 (2)
SURVEYED BY	FANTONI
SHEET 23 OF	SHEETS 30
	PLOTTED 05/15/75
	MAY 1975

SCALE 1" = 10 FEET



490

57+00

490

56+50

500

56+00

SCALE 10 FEET

FROM STA. 56+00	TO STA. 57+00
PROJECT NAME	PLAINFIELD
NO.	SR52302 (2)
SURVEYED BY	FANTONI
SHEET 24 OF	SHEETS 30
	PLOTTED 05/15/75
	MAY 1975

BRIDGE QUANTITY SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
BRIDGE DIVISION

[illegible]

		UNIT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															</
--	--	------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	----

NOTE: AN ESTIMATED AMOUNT OF 30 CY OF UNCLASSIFIED CHANNEL EXCAVATION HAS BEEN ADDED TO THE QUANTITIES TO BE USED IF DEEMED NECESSARY BY THE ENGINEER.

* INDICATES A ROADWAY QUANTITY

LIST OF SHEETS

- BR-1 BRIDGE QUANTITY SHEET
BR-2 PLAN & ELEVATION
BR-3 SLAB DETAILS
BR-4 ABUTMENT #1 DETAILS
BR-5 ABUTMENT #2 DETAILS
BR-6 REINFORCING STEEL SCHEDULE

STANDARDS

SCB-D1-75 4-3-78 (R)
SCB-D6-73 4-3-78 (R)
SB-R6-76 1-8-76

REFERENCE SHEETS

TITLE SHEET WITH LAYOUT AND TYPICAL SECTIONS
ROADWAY LAYOUT AND PROFILE SHEET
ROADWAY CROSS SECTIONS
STA 49+00 - 56+00

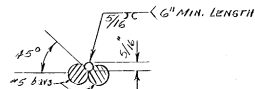
BRIDGE (S) AT STATION (S) 53+07.8
LOCATION (S) TH #2 OVER GREAT BROOK

Prepared by: WILLEY		Checked by: PERKINS	
SUPERVISOR:		F. BOLKUM	

PLAINFIELD	PROJECT NO.	SRS 2302 (2)
BR 1 OF 6	SHEET NO.	25 OF 30

FINALS 9/14/77 D-4

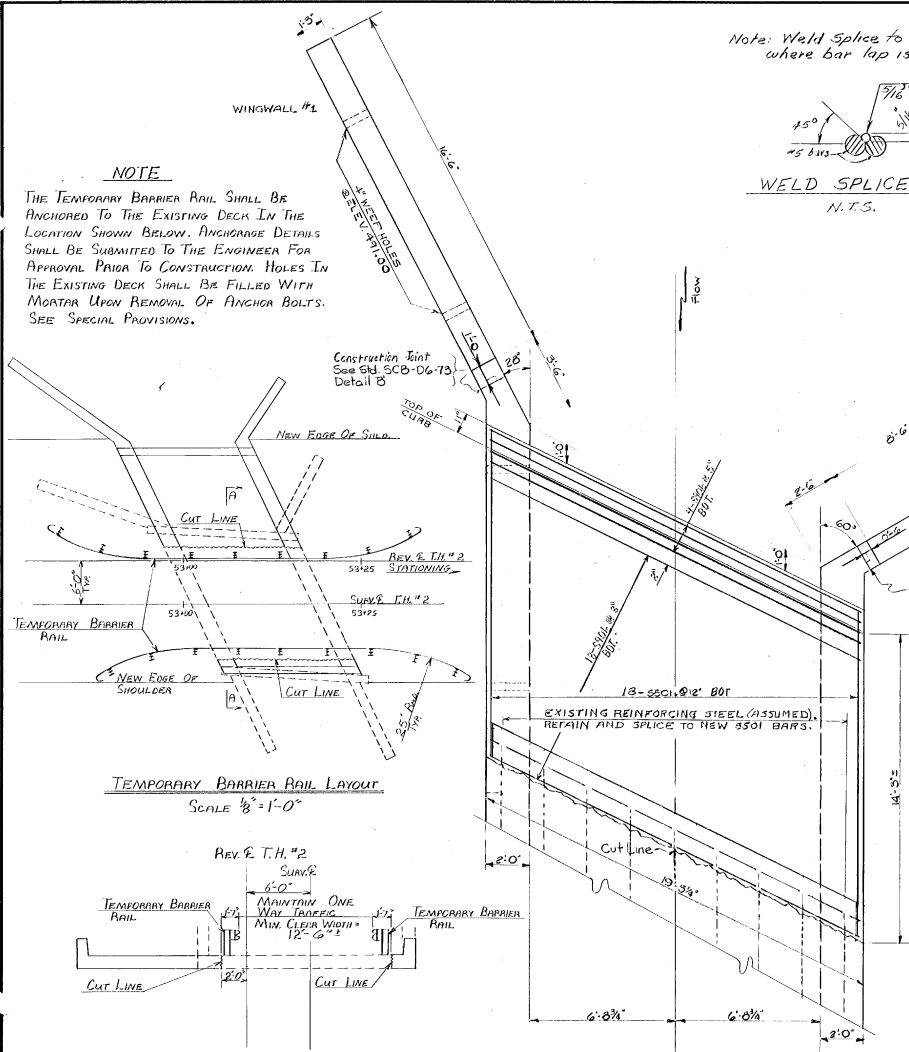
Note: Weld Splice to be used only where bar lap is less than 2'-0".



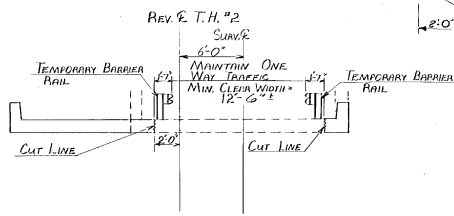
WELD SPlice DETAIL
N.T.S.

NOTE

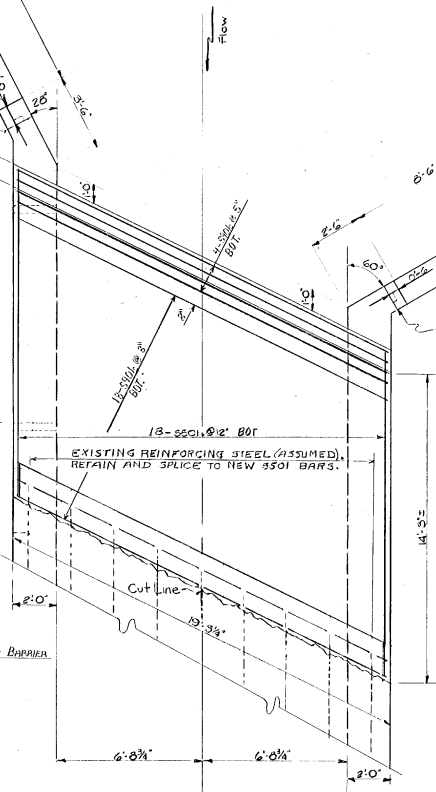
THE TEMPORARY BARRIER RAIL SHALL BE ANCHORED TO THE EXISTING DECK IN THE LOCATION SHOWN BELOW. ANCHORAGE DETAILS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION. HOLES IN THE EXISTING DECK SHALL BE FILLED WITH MORTAR UPON REMOVAL OF ANCHOR BOLTS. SEE SPECIAL PROVISIONS.



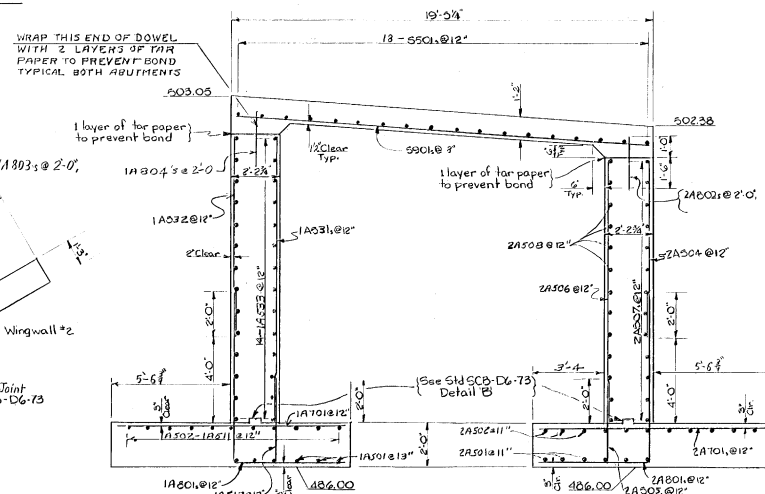
TEMPORARY BARRIER RAIL LAYOUT
SCALE 1/8" = 1'-0"



SECTION A-A
SCALE 3/16" = 1'-0"

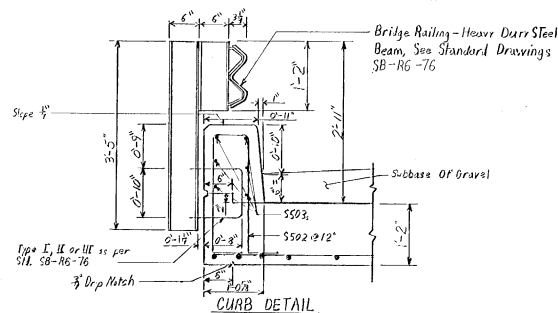


SLAB REINFORCING PLAN
SCALE 1/8" = 1'-0"



Typical Section Along Skew
1/8" = 1'-0"

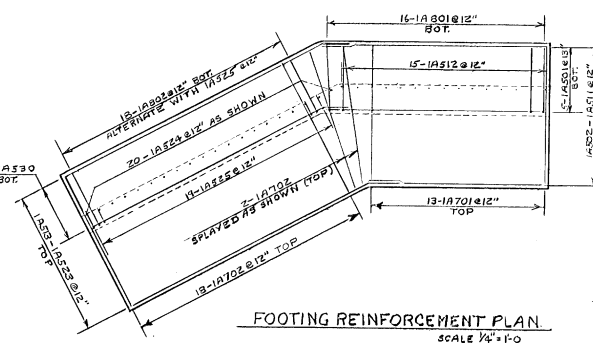
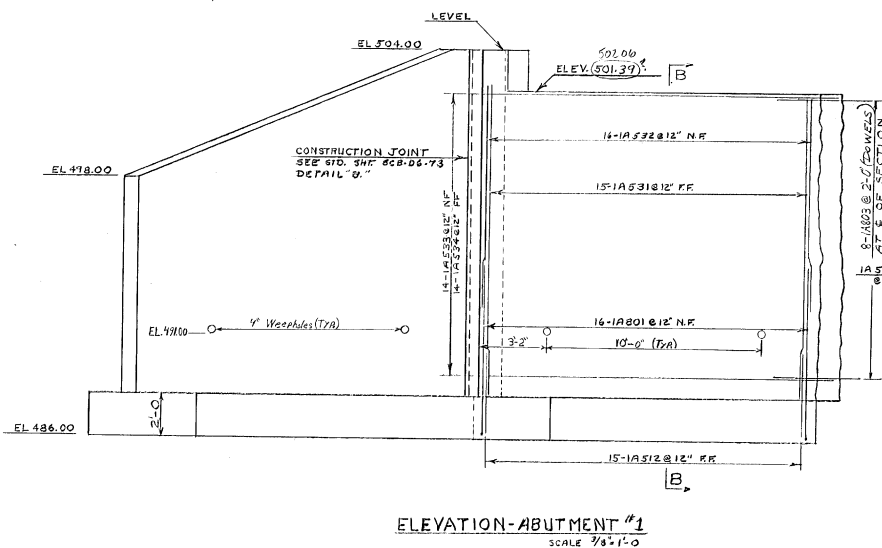
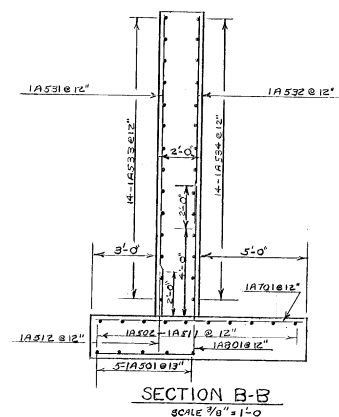
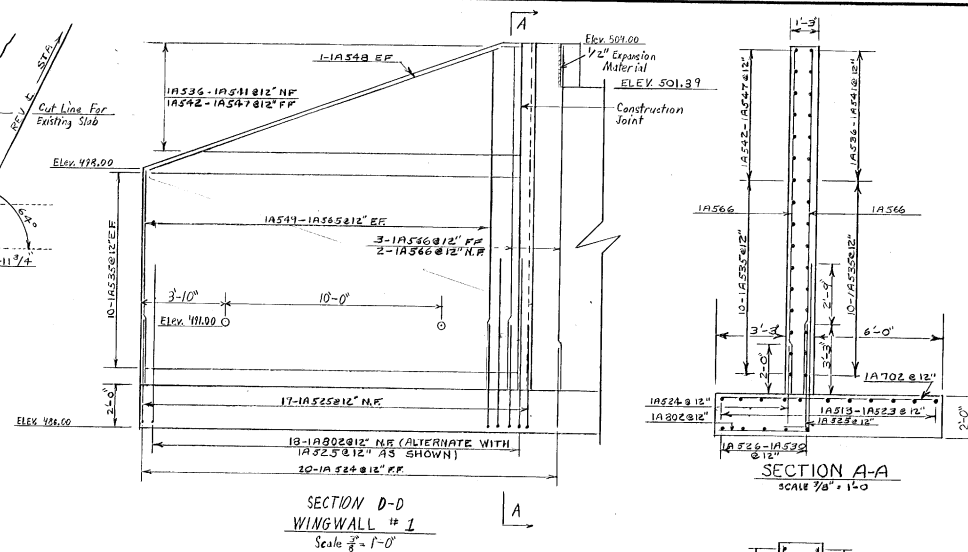
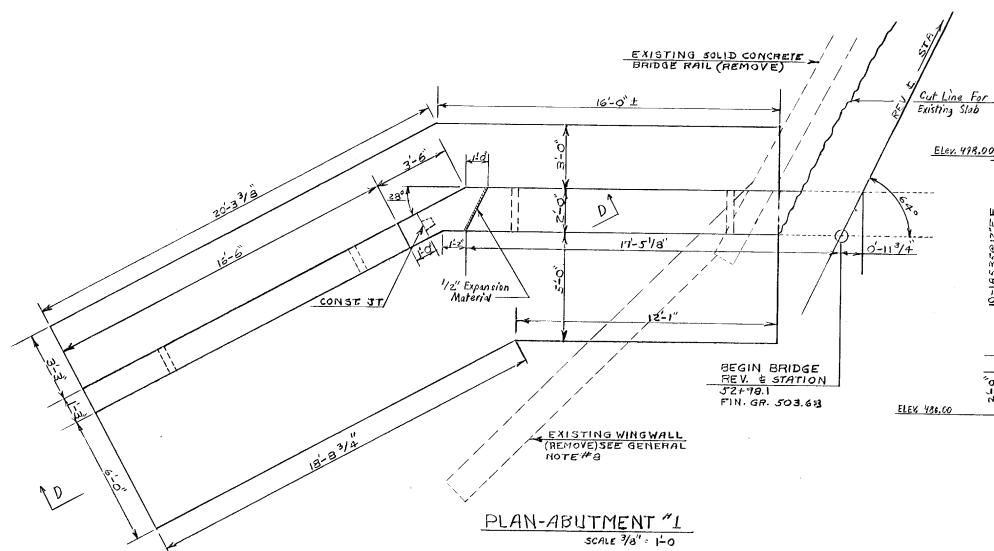
Note: All Horizontal Dimensions In This View Are Skewed Dimensions.



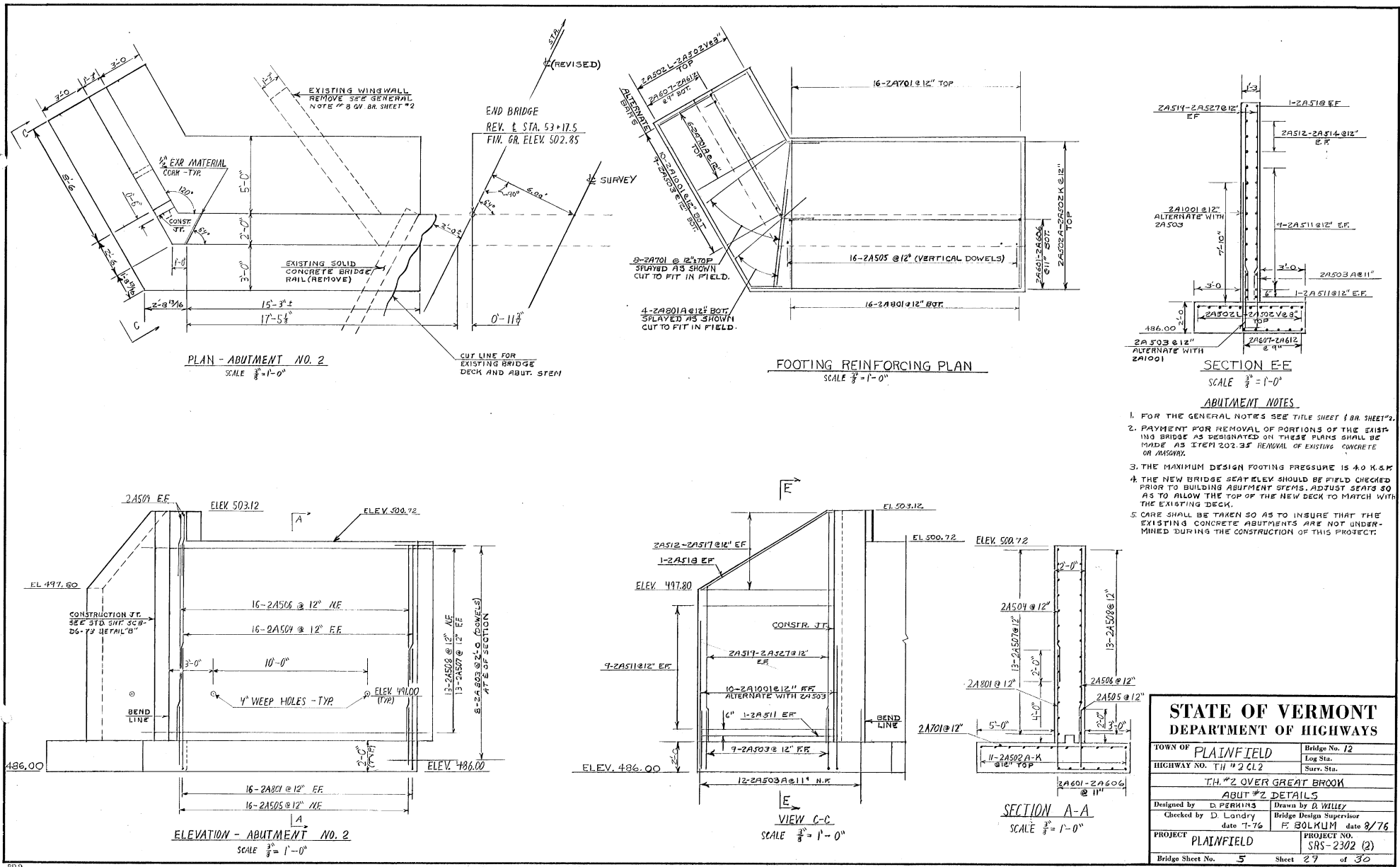
CURB DETAIL
SCALE 1/8" = 1'-0"

**STATE OF VERMONT
DEPARTMENT OF HIGHWAYS**

TOWN OF PLAINFIELD	Bridge No. 12
Highway No. TH #2, CL2	Log Sta. 53+07.8
TH #2 over Great Brook	
SLAB DETAILS	
Designed by D. Perkins	Drawn by W. Felton
Checked by J. COURAGE	Bridge Design Supervisor
date JULY 78	F.W. BOLKUM date 8/78
PROJECT PLAINFIELD	PROJECT NO. SR5 2302(2)
Bridge Sheet No. 3	Sheet 27 of 30



STATE OF VERMONT DEPARTMENT OF HIGHWAYS		
TOWN OF	PLAINFIELD	Bridge No. 12
HIGHWAY NO.	TH.2-CL.2	Log Sta. 53+08.7
		Surr. Sta.
TH.2 OVER GREAT BROOK		
ABUTMENT #1 DETAILS		
Designed by	D. PERKINS	Drawn by D. PERKINS
Checked by	D. Landry	Bridge Design Supervisor
	date 7-76	F. BOLKUM date 8/76
PROJECT	PLAINFIELD	PROJECT NO.
		SR3 3302(2)
Bridge Sheet No.	4	Sheet 28 of 30



Station	Dist	Area	Vol	Area	Vol
9+544	0	0	0	0	0
9+554	10	23	11.5	23	11.5
9+603	49	110	378.4	101	302.8
9+732	129	91	1490.0	130	1490.0
9+772	169	65	310.0	96	552.0
9+860	209	147	732.8	120	860.0
9+890	239	3.0	20.0	0	150.0
9+900	249	0	10	0	0

9+544 23 11.5
 9+603 110 378.4
 9+732 91 1490.0
 9+772 65 310.0
 9+860 147 732.8
 9+890 3.0 20.0
 9+900 0 10

ABUTMENT 2					
	STRIKE			Span	
	E.R.G.			Backfill	
572	DIST	Area	Vol	Area	Vol
572		0			
9+785	1.5'	20	15'	19'	14.3'
9+798	5.7'	3335			2336
9+801	9.7'			77'	
9+813	29.9'	105'	70.0'	107'	82.8'
9+825	2.9'	68'	342.0'	85'	218.4'
9+839	2.0'	68'	501.0'		576.5'
9+854	7.6'	76'	722.0'	80'	579'
9+868	6.4'	149'			

PLAINFIELD SAS 2302(2)

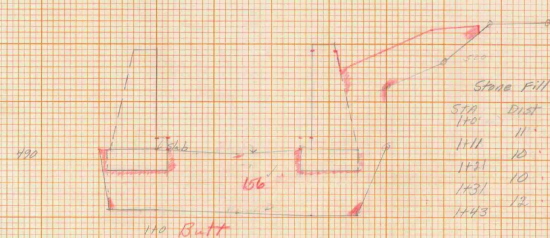
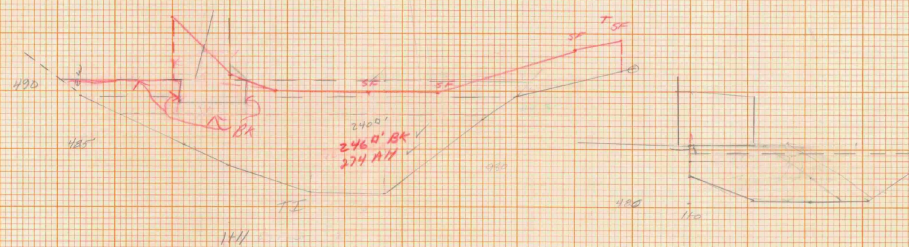
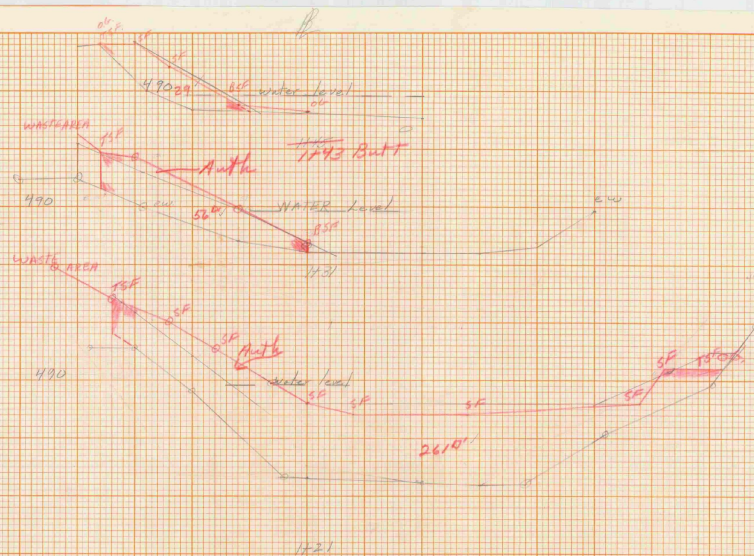
Rev & TH2

→ 1000 Char. Limit

1" = 2"
4-16-79 RAS
✓ Bjp 5 April 1979

DATE	BY	REVIEWED	DATE
PROJECT	NO.	NO.	NO.
100	100	100	100

DATE	BY	REVIEWED	DATE
PROJECT	NO.	NO.	NO.
100	100	100	100



Station	Dist.	Type	III
570	100	Dist.	1101
111	11	385	2511
112	10	360	2235
113	10	360	1886
114	10	360	516
115	10	270	516
116	10	270	516
117	10	270	516
118	10	270	516
119	10	270	516
120	10	270	516
121	10	270	516
122	10	270	516
123	10	270	516
124	10	270	516
125	10	270	516
126	10	270	516
127	10	270	516
128	10	270	516
129	10	270	516
130	10	270	516
131	10	270	516
132	10	270	516
133	10	270	516
134	10	270	516
135	10	270	516
136	10	270	516
137	10	270	516
138	10	270	516
139	10	270	516
140	10	270	516
141	10	270	516
142	10	270	516
143	10	270	516
144	10	270	516
145	10	270	516
146	10	270	516
147	10	270	516
148	10	270	516
149	10	270	516
150	10	270	516
151	10	270	516
152	10	270	516
153	10	270	516
154	10	270	516
155	10	270	516
156	10	270	516
157	10	270	516
158	10	270	516
159	10	270	516
160	10	270	516
161	10	270	516
162	10	270	516
163	10	270	516
164	10	270	516
165	10	270	516
166	10	270	516
167	10	270	516
168	10	270	516
169	10	270	516
170	10	270	516
171	10	270	516
172	10	270	516
173	10	270	516
174	10	270	516
175	10	270	516
176	10	270	516
177	10	270	516
178	10	270	516
179	10	270	516
180	10	270	516
181	10	270	516
182	10	270	516
183	10	270	516
184	10	270	516
185	10	270	516
186	10	270	516
187	10	270	516
188	10	270	516
189	10	270	516
190	10	270	516
191	10	270	516
192	10	270	516
193	10	270	516
194	10	270	516
195	10	270	516
196	10	270	516
197	10	270	516
198	10	270	516
199	10	270	516
200	10	270	516
201	10	270	516
202	10	270	516
203	10	270	516
204	10	270	516
205	10	270	516
206	10	270	516
207	10	270	516
208	10	270	516
209	10	270	516
210	10	270	516
211	10	270	516
212	10	270	516
213	10	270	516
214	10	270	516
215	10	270	516
216	10	270	516
217	10	270	516
218	10	270	516
219	10	270	516
220	10	270	516
221	10	270	516
222	10	270	516
223	10	270	516
224	10	270	516
225	10	270	516
226	10	270	516
227	10	270	516
228	10	270	516
229	10	270	516
230	10	270	516
231	10	270	516
232	10	270	516
233	10	270	516
234	10	270	516
235	10	270	516
236	10	270	516
237	10	270	516
238	10	270	516
239	10	270	516
240	10	270	516
241	10	270	516
242	10	270	516
243	10	270	516
244	10	270	516
245	10	270	516
246	10	270	516
247	10	270	516
248	10	270	516
249	10	270	516
250	10	270	516
251	10	270	516
252	10	270	516
253	10	270	516
254	10	270	516
255	10	270	516
256	10	270	516
257	10	270	516
258	10	270	516
259	10	270	516
260	10	270	516
261	10	270	516
262	10	270	516
263	10	270	516
264	10	270	516
265	10	270	516
266	10	270	516
267	10	270	516
268	10	270	516
269	10	270	516
270	10	270	516

QUANTITIES

APPROXIMATE SUMMARY OF QUANTITIES

EROSION CONTROL	TEMP. BRIDGE AT RR MM 4.90	CULVERT AT RR MM 6.49	TRANSPORTATION PATH	QUANTITIES GRAND TOTAL	UNITS	ITEMS	ITEM NO.	ROUNDING
				1	1	LUMP SUM CLEARING AND GRUBBING (MODIFIED)	201.10	
				25	25	EACH REMOVING SMALL TREES (MODIFIED)	201.15	EST.
				3	3	EACH REMOVING LARGE TREES (MODIFIED)	201.16	EST.
				1	1	ACRES THINNING AND TRIMMING	201.30	
				6,500	6,500	CUBIC YARD AGGREGATE SURFACE COURSE (MODIFIED)	401.10	
				11	11	CUBIC YARD CONCRETE, CLASS B	501.25	
	1			1	1	LUMP SUM TEMPORARY FOOT BRIDGE (MOD.)	528.12	
				60	60	LINEAR FOOT 18" PCCSP (MODIFIED)	601.0416	
				100	100	HOURLY POWER GRADER RENTAL	608.15	
15				15	30	CUBIC YARD STONE FILL, TYPE II	613.11	EST.
				44,000	44,000	LINEAR FOOT WOVEN WIRE FENCE WITH STEEL POSTS (MODIFIED)	620.25	
				13	13	EACH DRIVE GATE FOR WOVEN WIRE FENCE (MODIFIED)	620.30	
				85	85	EACH STEEL BRACE FOR WOVEN WIRE FENCE	620.40	
				7,500	7,500	LINEAR FOOT REMOVAL OF EXISTING FENCE	620.55	
				66	66	EACH GUIDE POSTS (VEHICLE BARRIER POSTS) (MODIFIED)	621.85	
				24	24	HOURLY UNIFORM TRAFFIC OFFICERS	630.10	
	1			120	120	HOURLY FLAGGERS	630.15	
				1	1	LUMP SUM TESTING EQUIPMENT - CONCRETE	631.16	
				1	1	LUMP SUM MOBILIZATION	635.10	
100				100	100	SQUARE YARD GEOTEXTILE FABRIC FOR SILT FENCE	649.20	
100				100	100	POUNDS SEED	651.15	EST.
750				750	750	POUNDS FERTILIZER	651.18	EST.
1				1	1	TONS AGRICULTURE LIMESTONE	651.20	EST.
1				1	1	TONS HAY MULCH	651.25	EST.
100				100	100	EACH HAY BALES FOR EROSION CONTROL	651.26	EST.
				560	560	SQUARE FEET TRAFFIC SIGNS, TYPE A	675.20	
				3850	3850	POUNDS FLANGED CHANNEL SIGN POSTS	675.30	40
				12	12	EACH REMOVING SIGNS	675.50	
				12	12	EACH ERECTING SALVAGED SIGNS	675.60	
				6	6	EACH SETTING SALVAGED POSTS	675.61	
				10	10	TON COLLECTION & DISPOSAL OF BULKY METALLIC WASTE (MOD.)	681.10	

REVISED 9/18/95 PLD

PROJECT NAME: ST. ALBANS-SHELDON
TRANSPORTATION PATH
PROJECT NUMBER: STP BIVE (18) S

DRAWN BY: MJD
DESIGN FILE: CX187.DGN

IPARM NAME:
PLOT DATE: 6/28/95
SHEET 4 OF 21

INDEX OF SHEETS

1. Title, Typical, Index
2. Quantity
3. Plan & Profile
4. Blank
5. Standard Signs
6. A-1 Solid Rock Excavation 4-20-78 (R)
6. E-2 Road Construction Approach Signs 5-14-78 (R)
7. E-3 Bridge Construction Approach Signs 7-20-76 (R)
8. E-4 On-Project Construction Signs 5-14-78 (R)
9. E-4 Right of Way Standard Signs
10. E-4 Guard Rail Standard Signs
11. SCR-01-75 Details of W Beam Bridges 12-15-76 (R)
12. SCR-02-75 Details of W Beam Bridges 12-15-76 (R)
13. SCR-03-75 Bridge Rail Mountings 1-8-76
- 14-15 Blank
- 16-22 Cross Sections
23. Signs, Construction, Bridge Quantities
- 24-25 Bridge Sheets

GENERAL NOTES:

1. THE GENERAL NOTE PERTAINING TO SPECIFICATIONS, MATERIALS AND CONSTRUCTION IS SHOWN ON STD. TH. 2, CL. II, MODIFIED FOR AN H2O LIVE LOADING AND INCLUDING AN ALLOWANCE FOR 6" OF GRAVEL AND 2" OF FUTURE PAVEMENT OVER THE DECK SURFACE. OTHER NOTES SHOWN ON THE STANDARD THAT ARE NOT SPECIFICALLY SHOWN OR MODIFIED ARE NOTED IN.
2. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, DATED MARCH 1976 AND ITS LATEST REVISIONS AND THE APPROPRIATE STANDARD SPEC'S FOR HWY. BRIDGES DATED 1973 AND ITS LATEST REVISIONS.

STATE OF VERMONT DEPARTMENT OF HIGHWAYS



PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF PLAINFIELD
COUNTY OF WASHINGTON

ROUTE NO: TH. 2, CL. II BRIDGE NO: 12

PROJECT LOCATION: BEGINNING AT A POINT 3.34 MILES NORTHERLY OF THE PLAINFIELD/ORANGE TOWN LINE, AND EXTENDING NORTHERLY 0.033 MILES.

PROJECT DESCRIPTION: Consists of widening the existing Bridge with a R.C. Slab Bridge addition on the upstream side. Also related roadway and Channel Work.

LENGTH OF STRUCTURE: 19.4 FEET
LENGTH OF PARTICIPATION ROADWAY: 180.6 FEET
LENGTH OF PROJECT: 200 FEET
LENGTH OF R.O.W. PROJECT: 700 FEET

R.O.W. PLANS

BEGIN R.O.W. PROJ. SRS 2302(2)
STA. 48+50.0

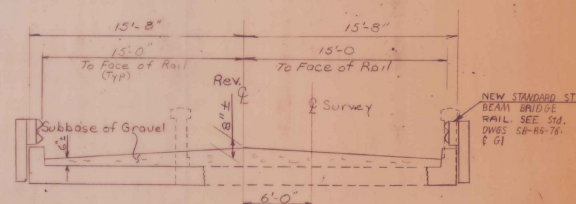
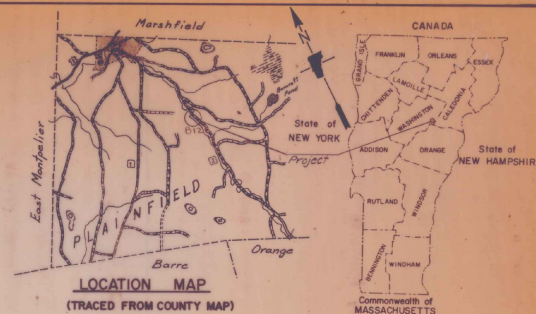
END R.O.W. PROJ. SRS 2302(2)
STA. 55+50.0

- 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
 - F.A. CONST. IDENTIFICATION SIGNS
 - PROPERTY LINE
 - R.O.W. TAKING LINE
 - SLOPE RIGHTS
 - TOP OF CUT
 - TOE OF SLOPE

Traffic Count	
1975 ADT	230
1975 DHV	50
D	53
T	6
1985 ADT	295
1985 DHV	65
Design Speed	25 M.P.H.
5 Year Accidents	- 4

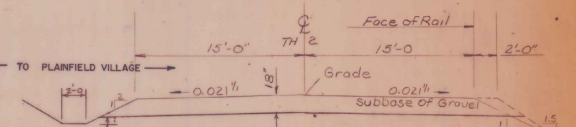
HYDRAULIC DATA

Drainage Area = 9.9 Sq. mi.
Q₁₀ = 1000 cfs HW = 8.8'
Q₂₅ = 1300 cfs HW = 11.0'
Q₅₀ = 1600 cfs HW = 11.7'
Q₁₀₀ = 1900 cfs HW = 12.1'
CHW = 35 cfs; depth of flow = 1.5'
OLW = 10 cfs; depth of flow = 1.0'



TYPICAL BRIDGE SECTION

Scale: NTS



TYPICAL ROADWAY SECTION

Scale: 1" = 5'-0"

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 Highway and Bridge Construction dated March, 1976, as approved by the Federal Highway Administration in a project to project basis including all subsequent revisions and such revised specification and special provisions as are incorporated in these plans.

SUBMITTED BY ORDER OF THE STATE HIGHWAY BOARD

APPROVED *R.O. Munn* DATE 2-18-77
Acting CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ENGINEER

APPROVED *W. R. Jones*
RIGHT OF WAY DIRECTOR

DATE 3-21-77

PROJECT SRS No 2302 (2)

SHEET 1 OF 3 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
1	SAMAN, PETER S	3	50+73 LT. 51+70 LT. 53+05 LT.	55+50 LT. 53+25 LT. 53+15 LT.	0.06 A ±	20294A ±	SLOPE (P) (700 S.F. ±) CHANNEL (P) (253 S.F. ±)	OPTION	9/15/78	PLAINFIELD	3	296-7	2450 S.F. ±
2	TOWN OF PLAINFIELD - LESSOR GRIGGS, ALBERT O. & ONDREE S. - LESSEES	3	51+85 RT. 53+07 RT.	52+75 RT. 53+32 RT.			SLOPE (P) (400 S.F. ±) CHANNEL (P) (125 S.F. ±)	WDOE	7/10/78	PLAINFIELD	24	426-427	
3	DELETED												FORMERLY: LUND, WEBSTER S. & GLADYS I.

TABLE OF REVISIONS

REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY
1	3	Parcel #1 Saman added Construct Drive 54+00 Lt. to Layout Sheet Per C.O. # 3353.	4/26/77	A.G.S.	WEB
2	2	Parcel #1 Saman Revised Slope Right Area from 7253 S.F. to 700 S.F. Per C.O. # 3375	5-19-77	AD	T.P.M.
3	3	PARCELS 2 & 3 - GRIGGS & LUND. CHANGED P/L & DELETED PARCEL #3. ADDED CHANNEL RIGHT AREA TO PARCEL #2. PER C.O. # 3385	6-25-77	NBB	T.P.M.
4	2 & 3	Parcel #1 Saman, Delete Town of Plainfield-Lessor. Per C.O. # 3670	1-27-78	A.G.S.	T.P.M.

MADE BY: A.G.S. DATE 3/21/77
CHECKED BY: W.E.B. DATE 3/21/77

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

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

LEGEND

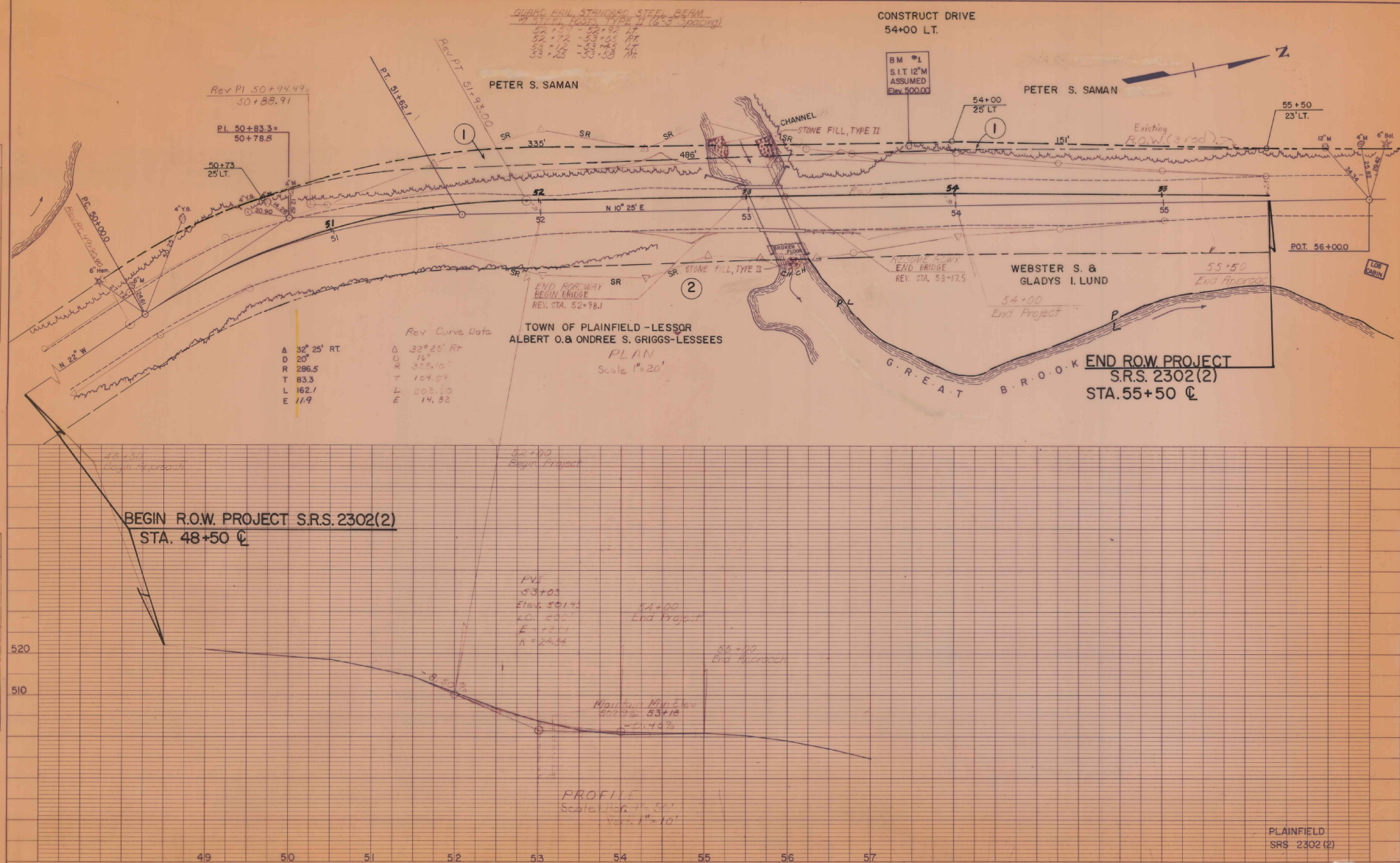
SR - SLOPE RIGHTS
P - PROPERTY LINE
Δ - TOP OF CUT
O - TOP OF SLOPE

APPROVED: *John P. May* DATE 3-21-77
CHIEF OF PLANS & TITLES

PROJECT PLAINFIELD
NO. SRS 2302 (2)
SHEET 2 OF 3

PLAN	DATE	BY	CHECKED
DESIGNED			
DRAWN			
NOTED			
APPROVED			
DATE			

PROFILE	DATE	BY	CHECKED
DESIGNED			
DRAWN			
NOTED			
APPROVED			
DATE			



Vermont Agency of
Transportation
PHASE 2-INTERSTATE
#122302-01



INITIALS

Box 3317

DONE

Bridge
1979

Plainfield
S.R.S. 2302 (2)

1979

1977 ROW

PLAINFIELD

SRS 2302 (2)

1977