INDEX OF SHEETS

RECORD PLANS-MATERIAL SUPPLIERS

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

4-20-73(R) CONSTRUCTION COMPLETED-6 SEPTEMBER 1979 ACCEPTED-19 SEPTEMBER 1979
12-6-71
6-7-77(R) RESIDENT ENGINEER-ROBERT A. STEVENS RECORD PLANS-GEORGE J. ABAIR
6-7-77(R) GRANULAR BACKFILL FOR STRUCTURES-COOLEY PIT, EAST MONTPELIER, VT.
6-1-78(R) SUB-BASE OF GRAVEL-McCULLOUGH PIT, WOODBURY, VT.
CONCRETE-HUTCH CONCRETE CONTRACTING CORP., MONTPELIER, VT.
9-12-77(R) 4-20-78(R) REINFORCING STEEL, WATER REPELLENT-K-ROSS BUILDING SUPPLY CENTER LEBANON, N.H.
4-3-78(R)
1-8-76 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.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

PROPOSED IMPROVEMENT
BRIDGE PROJECT

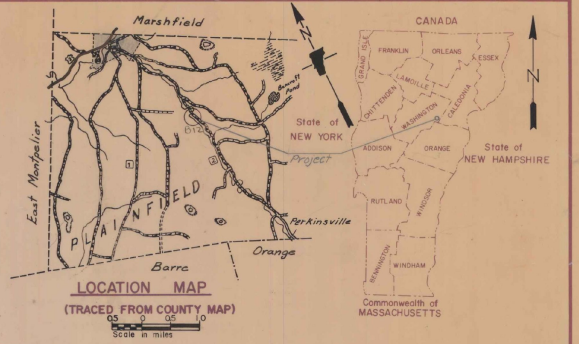
TOWN OF PLAINFIELD
COUNTY OF WASHINGTON

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 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



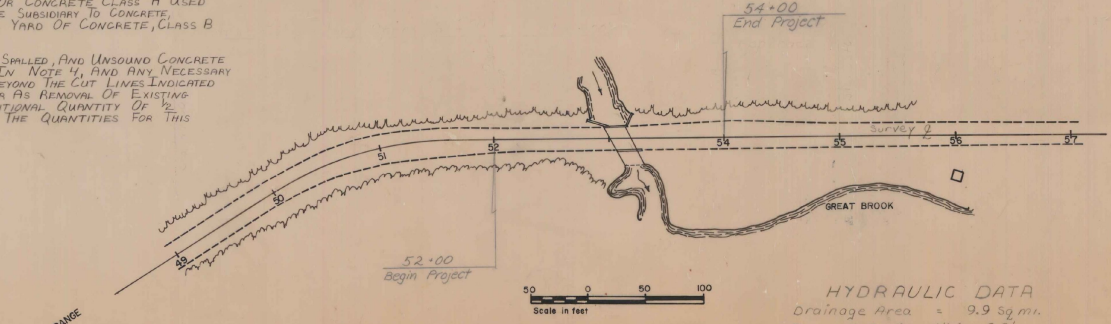
LOCATION MAP
(TRACED FROM COUNTY MAP)
Scale in miles

GENERAL NOTES:

1. THE GENERAL NOTE PERTAINING TO SPECIFICATIONS, MATERIALS AND CONSTRUCTION IS SHOWN ON STD. DWG. SCB-D1-75, MODIFIED FOR AN H20 LIVE LOADING AND INCLUDING AN ALLOWANCE FOR 8" OF GRAVEL AND 2" OF FUTURE PAVEMENT OVER THE DECK SURFACE. OTHER NOTES SHOWN ON THE STANDARD THAT ARE NOT OTHERWISE SHOWN OR MODIFIED ARE NOTE 14.
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 AASHTO STANDARD SPECS. FOR HWY. BRIDGES DATED 1977 AND ITS LATEST REVISIONS.
3. ALL CRACKS AND SPALLED AREAS, SHALL BE PATCHED WITH MORTAR. SPALLED AREAS OF LESS THAN 1¼" DEPTH SHALL BE FILLED WITH MORTAR. IF DEPTH IS GREATER THAN 1¼, FILL WITH CONCRETE, CLASS A. WHEN CONCRETE IS USED FOR PATCHES, CUT THE EDGES TO PROVIDE A MINIMUM DEPTH OF 1¼". THE ENGINEER SHALL DETERMINE IF PATCHES ARE REQUIRED. AREAS TO BE PATCHED WILL BE KEPT MOIST FOR 24 HOURS MINIMUM BEFORE THE PATCH IS APPLIED. MORTAR AND / OR CONCRETE CLASS A USED FOR THIS PURPOSE SHALL BE MADE SUBSIDIARY TO CONCRETE, CLASS B. AN ESTIMATED ½ CUBIC YARD OF CONCRETE, CLASS B IS INCLUDED FOR THIS PURPOSE.
4. REMOVAL OF ALL DISINTEGRATED, SPALLED, AND UNSOUND CONCRETE FOUND IN THE AREAS INDICATED IN NOTE 4, AND ANY NECESSARY REMOVAL OF EXISTING CONCRETE BEYOND THE CUT LINES INDICATED ON THE PLANS SHALL BE PAID FOR AS REMOVAL OF EXISTING CONCRETE OR MASONRY. AN ADDITIONAL QUANTITY OF ½ CUBIC YARD HAS BEEN ADDED TO THE QUANTITIES FOR THIS PURPOSE.

CONVENTIONAL SIGNS

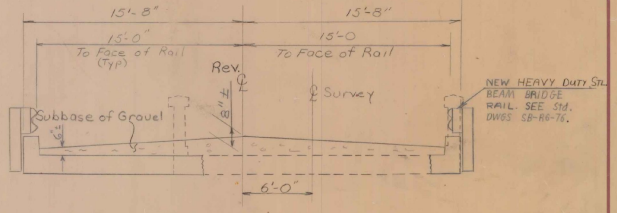
COUNTY LINE
TOWN LINE
LIMITS OF ACCESS
POINT OF ACCESS
FENCE LINE
STONE WALL
TRAVELED WAY
GUARD RAIL
RAILROAD
SURVEY LINE
CULVERT
POWER POLE
TELEPHONE POLE
TREES
F.A. CONST. IDENTIFICATION SIGNS
PROPERTY LINE
R.O.W. TAKING LINE
SLOPE RIGHTS
TOP OF CUT
TOE OF SLOPE



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

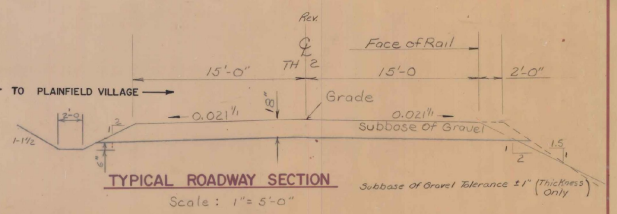
HYDRAULIC DATA

Drainage Area = 9.9 Sq mi.
Q_{10} = 1000 cfs HW = 8.8'
Q_{25} = 1300 cfs HW = 11.0'
Q_{50} = 1600 cfs H.W = 11.7'
Q_{100} = 1900 cfs H.W = 12.1'
OHW = 35 cfs ; depth of flow = 1.5'±
OLW = 10 cfs ; depth of flow = 1.0'±



TYPICAL BRIDGE SECTION
Scale: NTS

BUILT AS DESIGNED



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 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 L. J. Gage 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

D-10 SRS 12/17/70

DRAINAGE AND ITEM QUANTITY SHEET

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

PROJECT SRS NO. 2302 (2)

APPROXIMATE SUMMARY OF QUANTITIES

BRIDGE	ROADWAY	GRAND TOTAL	UNIT	ITEM	RNDG.	ITEM NO.
	1	1	L.S.	Clearing & Grubbing		201.10
24		24	C.Y.	Removal of Existing Concrete or Masonry		202.35
	730	730	C.Y.	Common Excavation	3	203.15
50		50	C.Y.	Unclassified Channel Excavation		203.27
	50	50	C.Y.	Earth Borrow	Est.	203.30
	200	200	C.Y.	Sand Borrow	Est.	203.31
	75	75	C.Y.	Trench Excavation of Earth	Est.	204.20
320		320	C.Y.	Structure Excavation		204.25
280		280	C.Y.	Granular Backfill for Structures		204.30
	520	520	C.Y.	Subbase of Gravel	1	301.15
2100	3900	6000	C%/Mi.	Overhaul (7.5 Miles)		306.10
	100	100	C.Y.	Stripping of Pits	Est.	307.10
118		118	C.Y.	Concrete, Class B.		501.25
10,670		10,670	Lb.	Reinforcing Steel		507.15
9		9	Gal.	Water Repellent		514.10
	100	100	L.F.	6" Underdrain	Est.	605.101
	2	2	Hr.	Bulldozer Rental, Type I	Est.	608.10
	2	2	Hr.	All Purpose Excavator Rental	Est.	608.25
	2	2	Hr.	Truck Rental	Est.	608.37
	90	90	M/Gal.	Dust Control w/ Water	Est.	609.10
40		40	C.Y.	Stone Fill, Type II		613.11
2		2	Gal.	Epoxy Bonding Compound		615.30
40		40	L.F.	Bridge Railing - Heavy Duty Steel Beam		617.35
	5	5	Ea.	Boundary Markers	Est.	619.10
	350	350	L.F.	Guard Rail Heavy Duty Steel Beam w/ Wood Post Type II		621.38
108		108	L.F.	Temporary Barrier Rail		621.56
	4	4	Ea.	Anchor for St. Beam G.R. w/St. or Wood Post @ Openings		621.70
1		1	L.S.	Maintenance of Traffic for Bridge Project		637.10
	Erosion Control					
	40	40	C.Y.	Stone Fill, Type I	Est.	613.10
	15	15	Lb.	Seed	3	651.10
	100	100	Lb.	Fertilizer		651.15
	0.4	0.4	Ton	Agricultural Limestone		651.20
	0.4	0.4	Ton	Hay Mulch		651.25

DETAILED SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM

DRAINAGE STRUCTURES

STA.	POS.	OLD CULVERT	TYPE IN	TYPE OUT	A.C.C.G.M.P. D	A.C.C.G.M.P. L	A.C.C.G.M.P. TH.	C.C.M.P. D	C.C.M.P. L	C.C.M.P. TH.	C.A.A.C.P. D	C.A.A.C.P. L	C.A.A.C.P. TH.	R.C.P. D	R.C.P. L	R.C.P. CL.	C.R.M.	TRENCH EXCAV. EARTH	TRENCH EXCAV. ROCK	MARKER POSTS LT.	MARKER POSTS RT.	ASKEW L.T.	ASKEW RT.	CONC. B.	REINF. STEEL	DI GRATE	DEPTH DI	DITCHES IN	DITCHES OUT	REMARKS

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

STA	STA	POS	LENGTH	FACT	SPACING	FACTORED LENGTH	TERMINAL SECTION	ANCHOR ITEM 621.70
52 + 46	52 + 91	Lt.	25'	1.2	6' -3"	33.6'	2'	1
			12.5'	1.4	4'-2"	17.5'		
			12.5'	1.6	3'-1½"	20.0		
52 + 17	53 + 05	Rt.	60'	1.2	6'-3"	75.6'	2'	1
			12.5'	1.4	4'-2"	17.5'		
			12.5'	1.6	3'-1½"	20.0		
53 + 10	53 + 73	Lt.	40'	1.2	3'-3"	48.0'	2'	1
			12.5'	1.4	4'-2"	17.5'		
			12.5'	1.6	3'-1½"	20.0		
53 + 25	53 + 77	Rt.	25'	1.2	6'-3"	33.6'	2'	1
			12.5'	1.4	4'-2"	17.5'		
			12.5	1.6	3'-1½"	20.0		
Sub-Total						342.0	8	4
Total						350.0		

TYPE OF CONSTRUCTION: Bridge Widening and Related Roadway and Channel Work

STATIONS FROM	STATIONS TO	GRAVEL WIDTHS 30'	EQUATIONS +	EQUATIONS −	REMARKS
52+00	54+00	200'			

LENGTH OF PROJECT

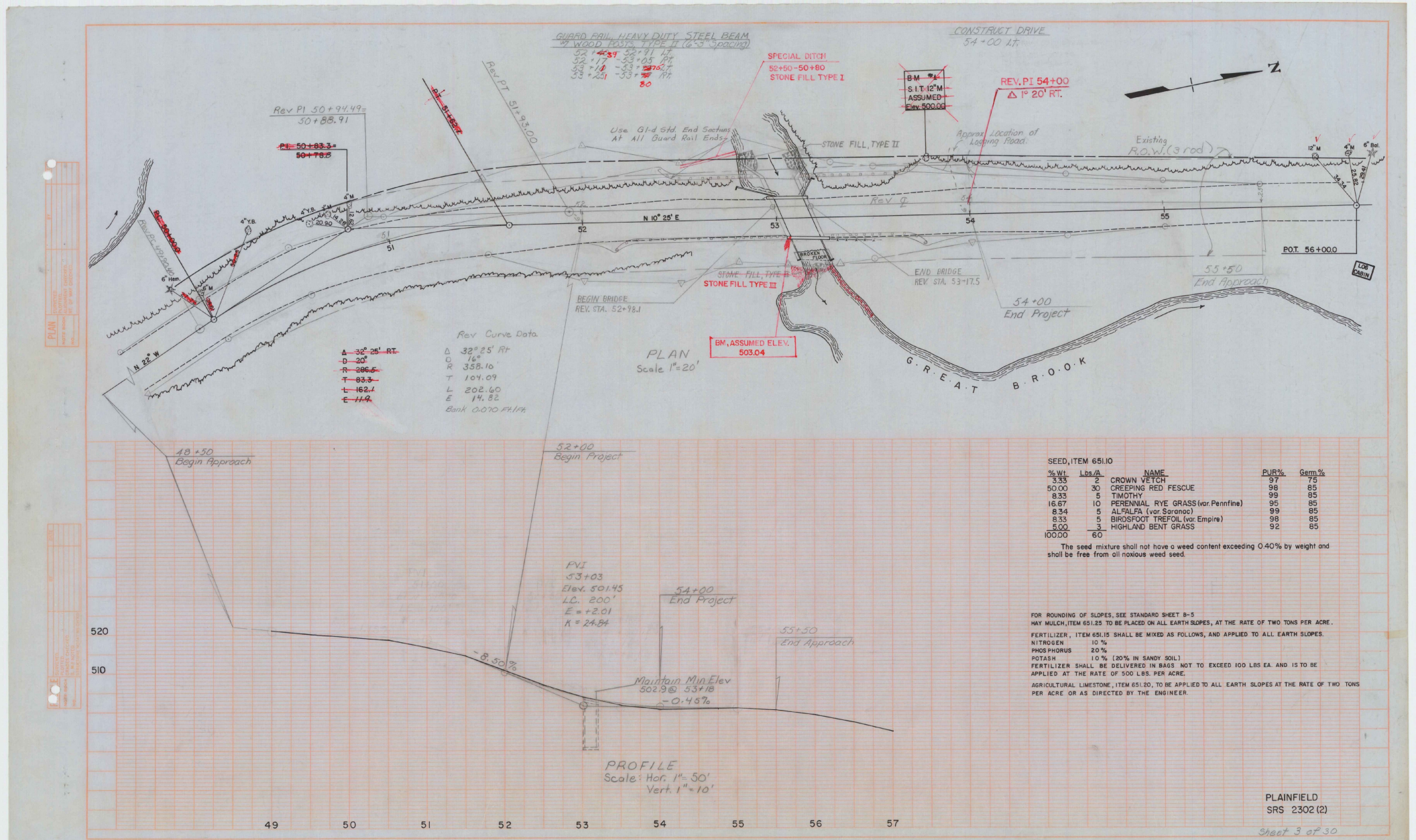
STA.	STA.	FEET	MILES	REMARKS
52 + 00	54 + 00	200	.038	

PLAINFIELD

PROJECT SRS NO. 2302(2)

SHEET 2 OF 30

D-15



SEED, ITEM 651.10

% 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	ALFALFA (var. Saranac)	99	85
8.33	5	BIRDSFOOT TREFOIL (var. Empire)	98	85
5.00	3	HIGHLAND BENT GRASS	92	85
100.00	60			

The seed mixture shall not have a weed content exceeding 0.40% by weight and shall be free from all noxious weed seed.

FOR ROUNDING OF SLOPES, SEE STANDARD SHEET B-5

HAY MULCH, ITEM 651.25 TO BE PLACED ON ALL EARTH SLOPES, AT THE RATE OF TWO TONS PER ACRE.

FERTILIZER, ITEM 651.15 SHALL BE MIXED AS FOLLOWS, AND APPLIED TO ALL EARTH SLOPES.

NITROGEN	10 %
PHOSPHORUS	20 %
POTASH	10 % (20% IN SANDY SOIL)

FERTILIZER SHALL BE DELIVERED IN BAGS NOT TO EXCEED 100 LBS EA. AND IS TO BE APPLIED AT THE RATE OF 500 LBS. PER ACRE.

AGRICULTURAL LIMESTONE, ITEM 651.20, TO BE APPLIED TO ALL EARTH SLOPES AT THE RATE OF TWO TONS PER ACRE OR AS DIRECTED BY THE ENGINEER.

PLAINFIELD
SRS 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.	55+50 LT.	0.06A ±	202.94A ±							2450 S.F. ±
			51+70 LT.	53+25 LT.			SLOPE (P) (700 S.F. ±)						
			53+05 LT.	53+15 LT.			CHANNEL (P) (253 S.F. ±)						
2	TOWN OF PLAINFIELD — LESSOR	3	51+85 RT.	52+75 RT.			SLOPE (P) (400 S.F. ±)						
	GRIGGS, ALBERT O. &		53+07 RT.	53+32 RT.			CHANNEL (P) (125 S.F. ±)						
	ONDREE S. — LESSEES												
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 725.33 S.F. to 700 S.F. Per C.O.# 3375	5-19-77	KDP	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	5-25-77	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
(D) — DEMOLITION OR REMOVAL
(W) — WATER SOURCES

LEGEND

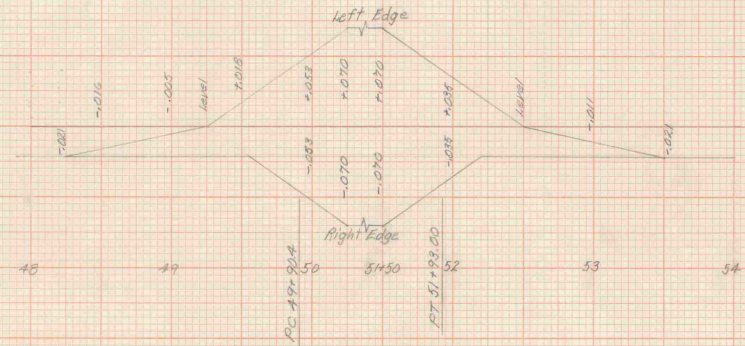
PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINES
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT
SLOPE RIGHTS
PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

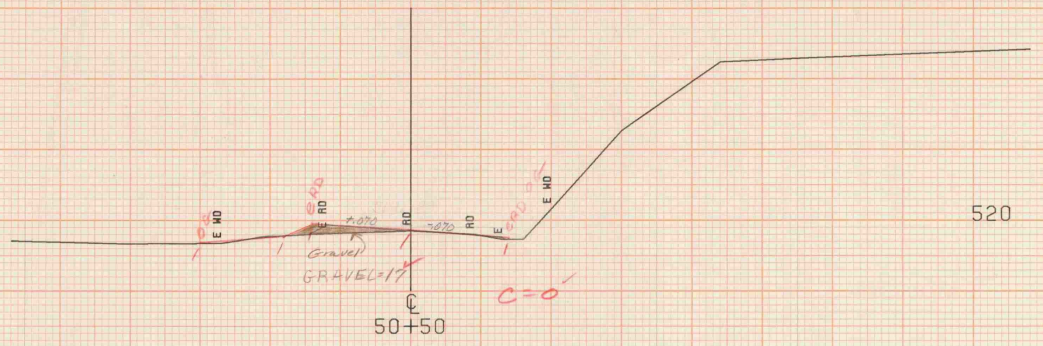
APPROVED Thomas P. Mayo CHIEF OF PLANS & TITLES DATE 3-21-77

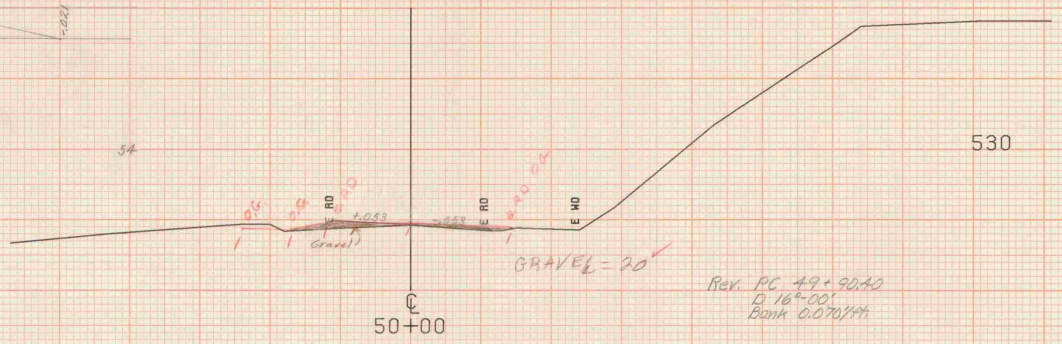
PROJECT PLAINFIELD
NO. SRS 2302 (2)
SHEET 2 OF 3

Sheet 4 of 30

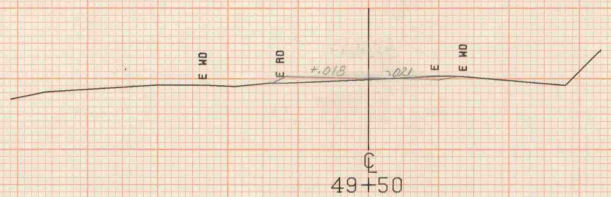
ROW



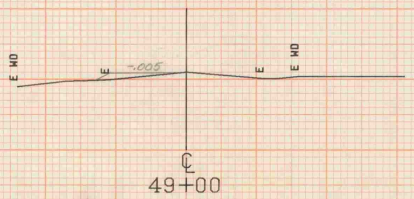




Rev. PC 49+90.40
D 16°-00'
Bank 0.070/ft.



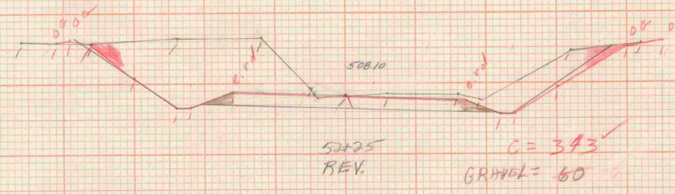
zero Gravel



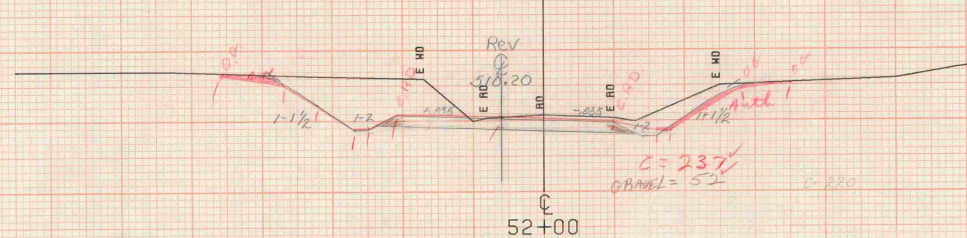
AB+50
Begin Approach

FROM STA. 49+00		TO STA. 50+50	
PROJECT NAME	PLAINFIELD		
NO.	SRS2302(2)		PLOTTED 05/15/75
SURVEYED BY	FANTONI		MAY 1975
SHEET 18 OF	SHEETS 30		

SCALE 10 FEET

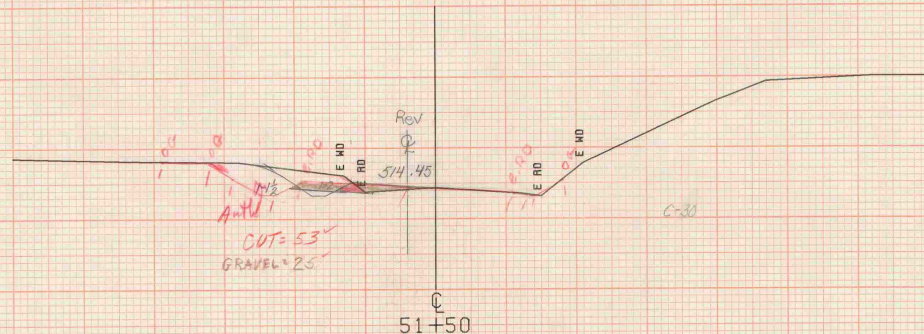


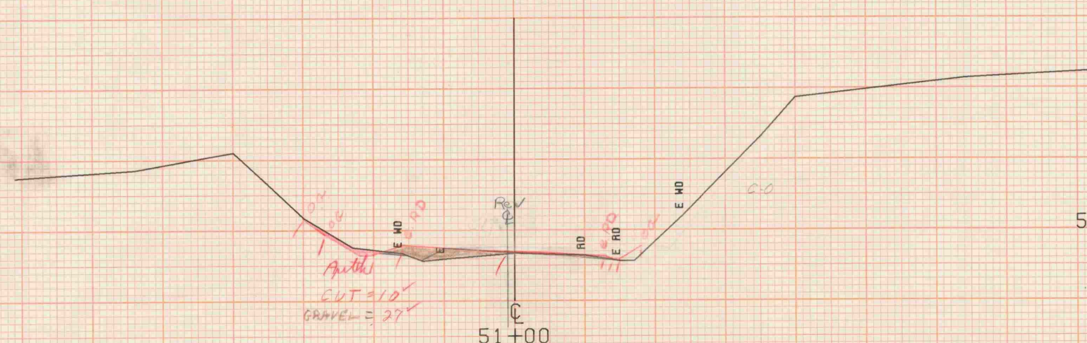
510
52+17 ~ 53+05 Rt
Guard Rail, Heavy Duty Steel Beam
w/ Wood Posts, Type II (6'-3" Spacing except
in transition area. See Detail on Sheet 18 of 30)



Begin Project

Rev. PT 51+93.00
D 16°-00'
Bank 0.070'/ft.



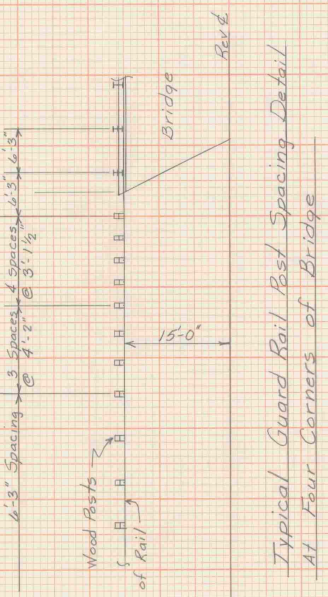


Finals Plotted 31 August 1979 PEL
PLAN' 4 September 1979 PEL

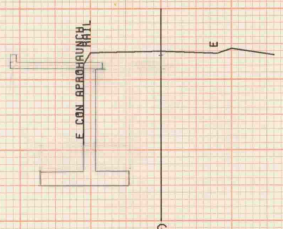
SCALE 10 FEET

FROM STA. 51+00	TO STA. 52+00
PROJECT NAME	PLAINFIELD
NO.	SRS2302(2) PLOTTED 05/15/75
SURVEYED BY	FANTONI MAY 1975
SHEET 19 OF	SHEETS 30

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



Typical Guard Rail Post Spacing Detail
At Four Corners of Bridge



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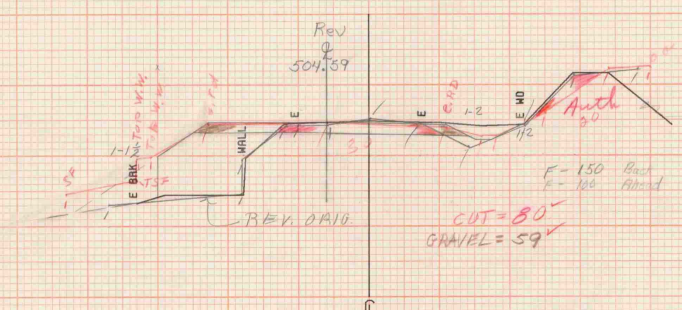
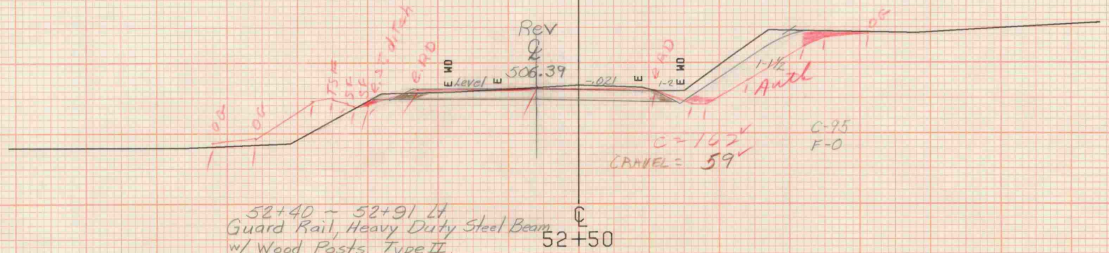


CUT = 80
GRAVEL = 59

500



C = 142
GRAVEL = 59

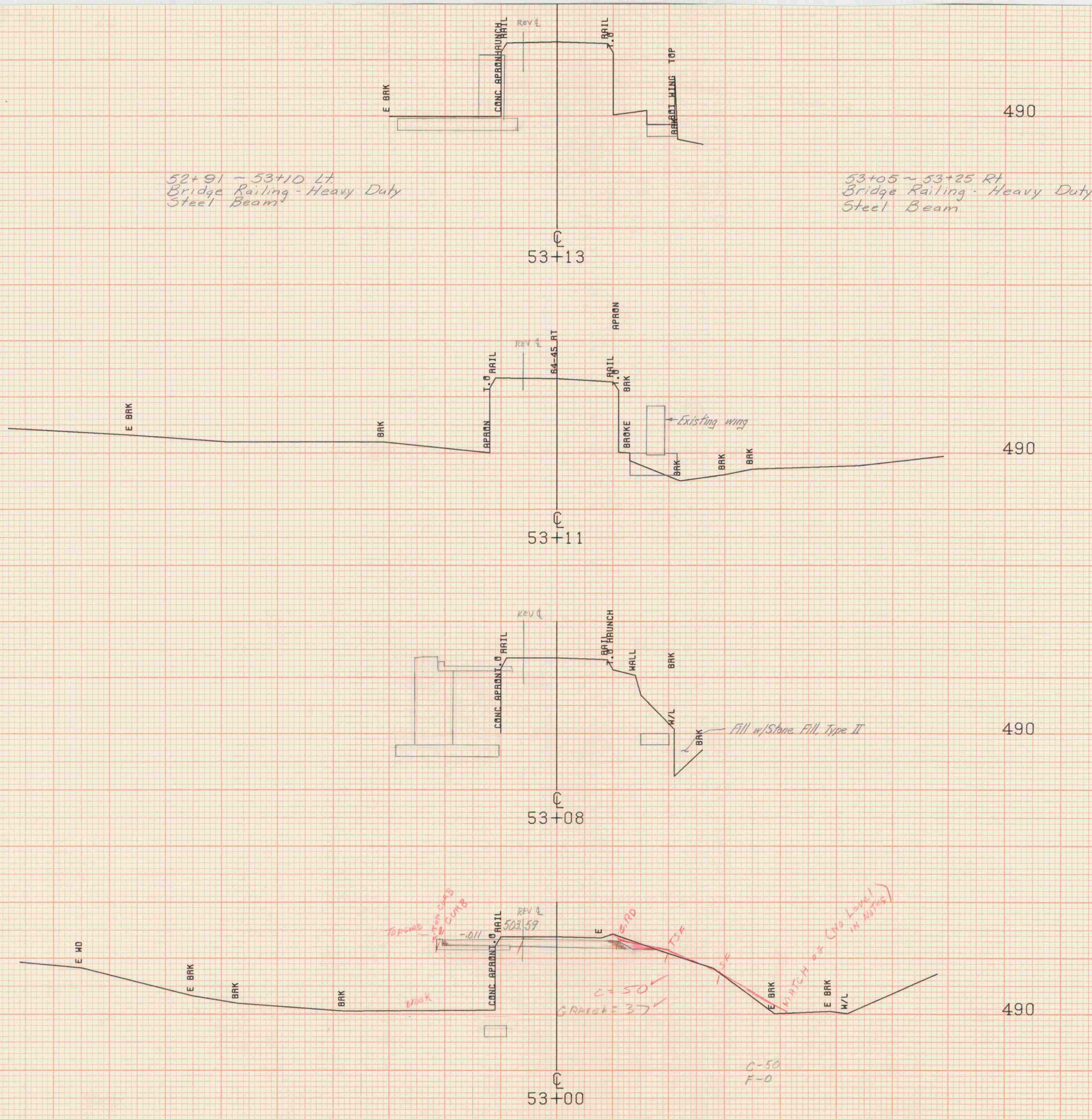
500

52+40 ~ 52+91.47
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 [illegible]
Plan: 4 September 1979 [illegible] 9/4/79

SCALE 10 FEET

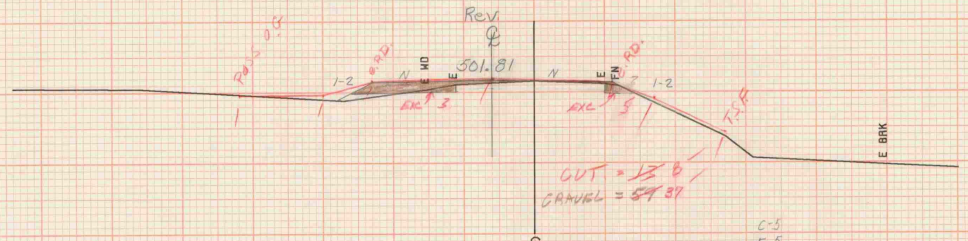
FROM STA. 52+50		TO STA. 52+98	
PROJECT NAME	PLAINFIELD		
NO.	SRS2302(2)		PLOTTED 05/15/75
SURVEYED BY	FANTONI		MAY 1975
SHEET 20 OF	SHEETS 30		



Finals Plotted 31 August 1979 P&J
Plan 4 September 1979 P&J Plan ✓ 9/4/79

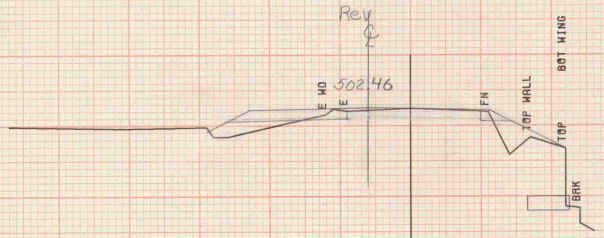
SCALE 10 FEET

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



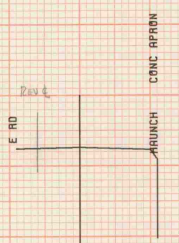
490

℄ 53+50



490

℄ 53+28

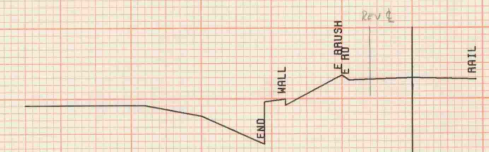


53+25 - 53+77 Rt
Guard Rail, Heavy Duty Steel Beam
W Wood Posts, Type II. (6'-3" Spacing
except in transition area. See
Detail on Sheet 18 of 30)

490

53+10 - 53+73 Lt
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)

℄ 53+24



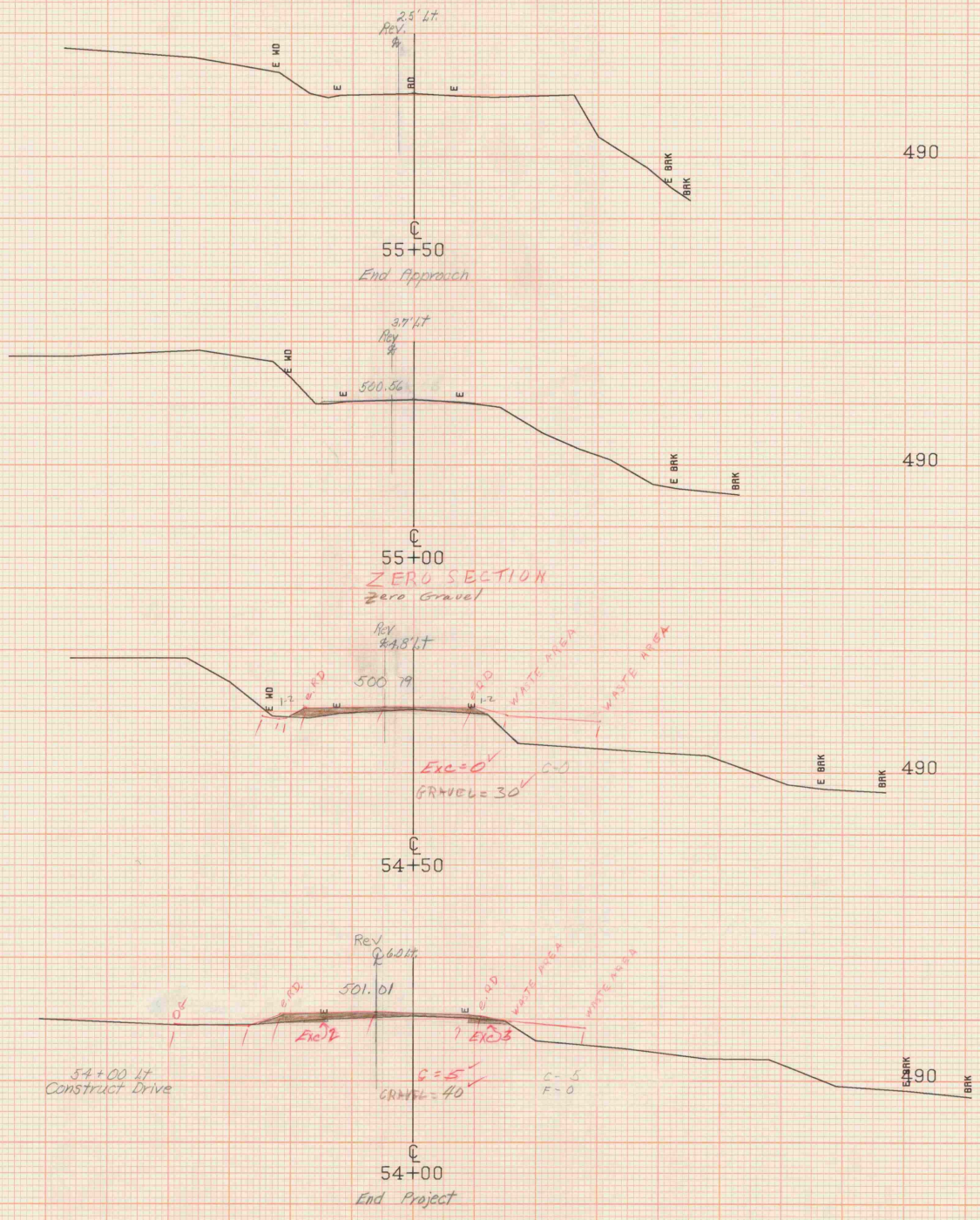
490

℄ 53+18

FINALS PLOTTED 31 August 1979 P32
PLANS 4 September 1979 P2 Plan P 9/4/79

SCALE 10 FEET

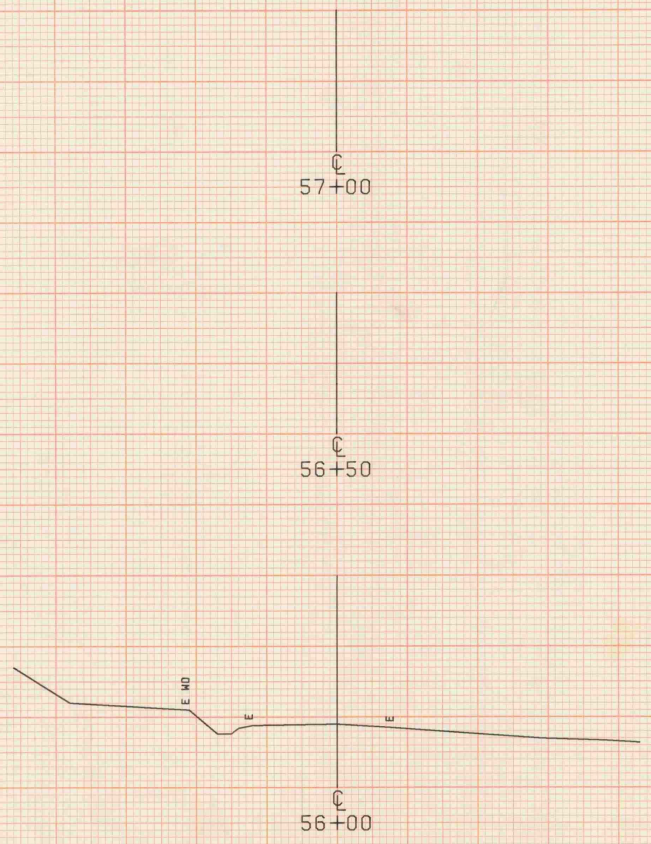
FROM STA. 53+18		TO STA. 53+50	
PROJECT NAME	PLAINFIELD		
NO.	SRS2302(2)		PLOTTED 05/15/75
SURVEYED BY	FANTONI		MAY 1975
SHEET 22 OF	SHEETS 30		



Finals Plotted 31 August 1979 JCS
PLAN 4 September 1979 MCS Plan ✓ HD 9/4/79

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

SCALE 10 FEET



FROM STA. 56+00		TO STA. 57+00	
PROJECT NAME	PLAINFIELD		
NO.	SRS2302(2)		PLOTTED 05/15/75
SURVEYED BY	FANTONI		MAY 1975
SHEET 24 OF	SHEETS 30		

SCALE 10 FEET

EARTHWORK

V.C.	% GRD	STATION	GRADES ELEVATION ON TAN.	GRADES ELEVATION ON V.C.	CORR. V.C.	DIST.	Cut AREA	Cut CU. YDS.			Fill AREA	Fill CU. YDS.		
									AREA	CU. YDS.			AREA	CU. YDS.
		51+00					0							
						50'		28						
		+50	514.45				30							
						50'		231						
		52+00	510.20				220							
X	-8.50 %	+03	509.75	509.95	0	50'		292						
		+50	505.95	506.39	+0.44	36'	95				0			
		+80				36'		129			180	117		
		+98.1	501.86	503.68	+1.82	BR.	50				0			
					BEGIN									
		53+00	501.70	503.59	+1.89									
X	200' VC	+03	501.45	503.46	+2.01									
					END BR.									
		+17.5	501.38	502.85	+1.47		50				0			
						32.5'		33				5		
		+50	501.24	501.81	+0.57		5				5			
						50'		9				5		
		54+00	501.01	501.01	0		5				0			
X	-0.45 %	+03	501.00	501.00	0	50'		5					Cut	727
													Fill	127
		+50	500.79				0						Fact.	1.15
		55+00	500.56										Excess Cut	581
					Total			727				127		

BRIDGE QUANTITY SHEET

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
BRIDGE DIVISION

NO.	ITEM	UNIT	QUANTITY BREAKDOWN ABUTMENT #1		ABUTMENT #2		SUPERSTR.		CHANNEL		TOTAL	FINAL
* 301.15	SUBBASE OF GRAVEL						10	11			10	11
202.35	REMOVAL OF EXISTING CONCRETE OR MASONRY	C.Y.	7	18.38	6	16.27	11	12.26			24	46.9
203.27	UNCLASSIFIED CHANNEL EXCAVATION	C.Y.							50	0	50	0
204.25	STRUCTURE EXCAVATION	CY	190	107.8	130	54.5					320	162.3
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	180	121.1	100	64.4					280	185.5
306.10	OVERHAUL (7.5 MILES)	CY/MI.	1350	317	750	167					2100	484
501.25	CONCRETE, CLASS B	CY	58	55.6	43	41.08	17	16.6			118	113.28
507.15	REINFORCING STEEL	LB	4810		3810		2050				10,670	11847
514.10	WATER REPELLENT	GAL	3		2		4				9	10
613.11	STONE FILL, TYPE II	CY							40		40	43.2
613.12	STONE FILL TYPE III C.O.#1 E SA Dated 5-8-79											303.4
615.30	EPOXY BONDING COMPOUND	GAL					2				2	2
617.35	BRIDGE RAILING - HEAVY DUTY STEEL BEAM	LF					40				40	40
621.56	TEMPORARY BARRIER RAIL	LF					108				108	120
637.10	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	LS					1				1	1
40445	TACK EMULSION C.O.#2 E SA DATED 25 Jun 79						"	25				25

NOTE: AN ESTIMATED AMOUNT OF 50 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

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

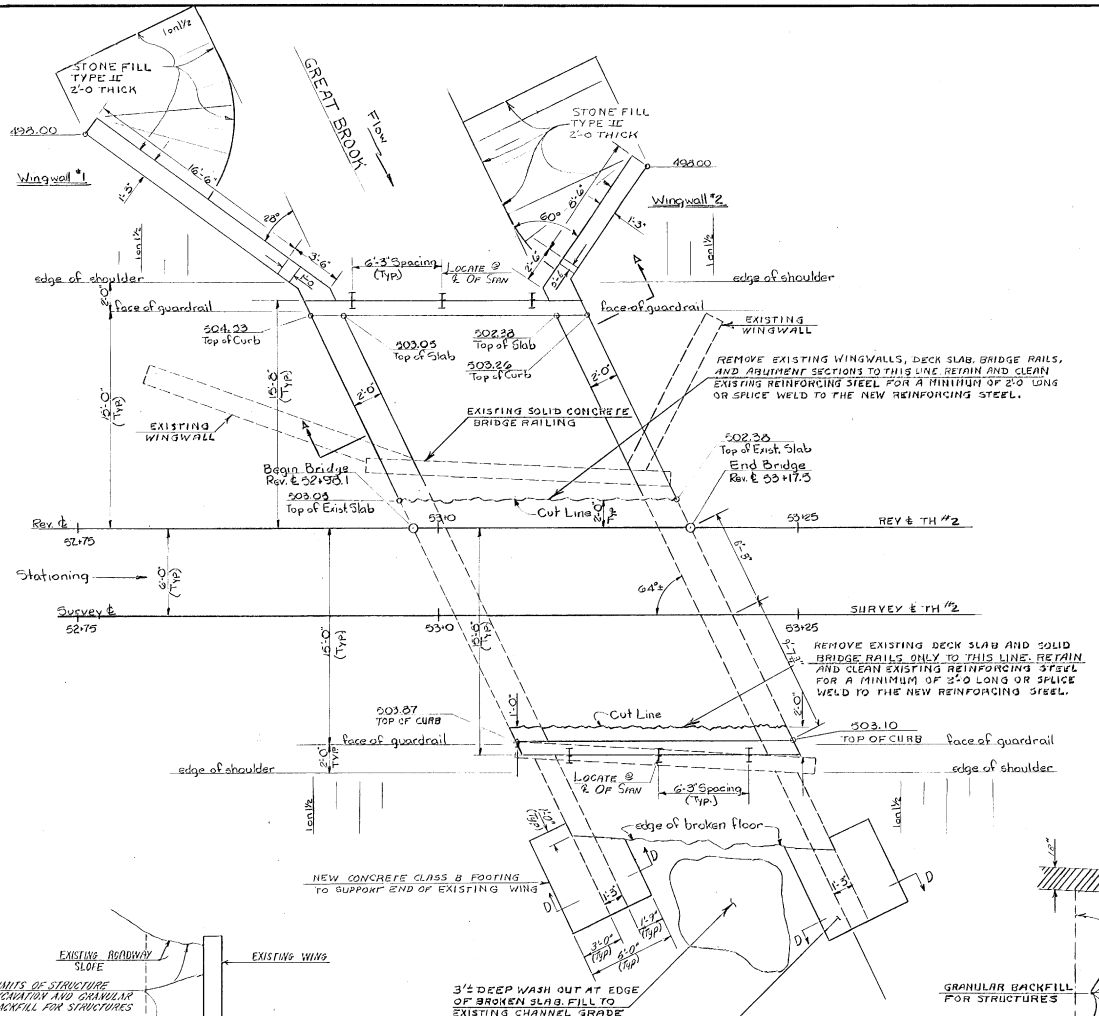
BRIDGE (S) AT STATION (S) 53+07.8
LOCATION (S) TH #2 OVER GREAT BROOK

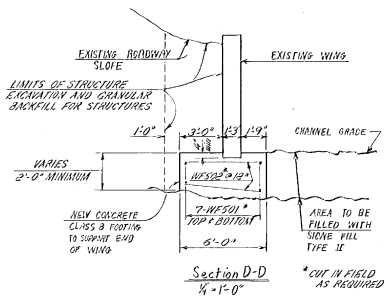
Prepared by: WILLEY Checked by: PERKINS
SUPERVISOR: F. BOLKUM

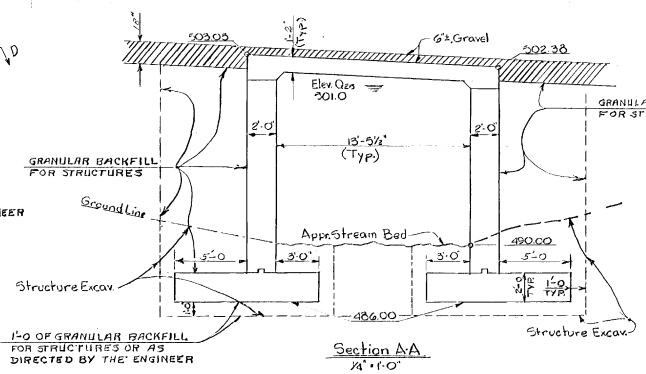
PLAINFIELD PROJECT NO. SRS 2302(2)
BR 1 OF 6 SHEET NO. 25 OF 30

FINALS 9/14/79 KMS

BR-1







GENERAL NOTES

1. ALL DIMENSIONS WILL BE FIELD CHECKED BEFORE STARTING CONSTRUCTION.
2. ALLOWABLE DESIGN STRESSES:
   CONCRETE $f_c' = 3500$ PSI
   REINFORCING STEEL $f_s = 24{,}000$ PSI
3. THE MINIMUM COVER FOR REINFORCING STEEL SHALL BE 2" MEASURED FROM THE CONCRETE SURFACE TO THE FACE OF THE REINFORCEMENT, 3" IN THE FOOTINGS, AND AS SHOWN ON THE DECK DETAILS.
4. WATER REPELLENT WILL BE APPLIED TO BOTH NEW AND EXISTING EXPOSED CONCRETE INCLUDING THE TOP OF THE NEW DECK SLAB EXCEPT CONCRETE AREAS UNDERNEATH THE BRIDGE.
5. PAYMENT FOR REMOVING GRAVEL FROM THE EXISTING BRIDGE DECK SO THAT THE SLAB MAY BE CUT AS DETAILED ON THESE PLANS WILL BE INCLUDED IN THE UNIT BID PRICE FOR ITEM 202.35 REMOVAL OF EXISTING CONCRETE OR MASONRY.
6. ALL NEW CONCRETE USED IN THIS STRUCTURE IS TO BE CONCRETE CLASS A, ITEM 501.25. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1"X1".
7. CLEANING AND STRAIGHTENING OF THE EXISTING REINFORCING STEEL RETAINED IN THE EXISTING CONCRETE DECK AND ANY SPLICE WELDING TO THE NEW REINFORCING STEEL SHALL BE SUBSIDIARY TO ITEM 509.15 REINFORCING STEEL.
8. ITEM 202.35 REMOVAL OF EXISTING CONCRETE OR MASONRY WILL INCLUDE THE FOLLOWING:
   A. PARTIAL REMOVAL OF THE EXISTING DECK AS DETAILED ON SHT #2
   B. REMOVAL OF BOTH OF THE EXISTING SOLID CONCRETE BRIDGE RAILS.
   C. REMOVAL OF THE TWO EXISTING UPSTREAM WINGWALLS WITHIN THE STRUCTURE LIMITS FOR THE ABUTMENT EXTENSIONS. THIS ITEM WILL ALSO INCLUDE REMOVAL OF ANY PORTION OF THESE WINGS WHICH IS OUTSIDE THE STRUCTURE EXCAVATION LIMITS BUT WITHIN 4' OF THE TRAVELED PORTION OF FINISH GRADE.
   D. PARTIAL REMOVAL OF EXISTING ABUTMENTS ON UPSTREAM END AS SHOWN ON ABUTMENT DETAIL SHEETS.
9. THE COST OF FURNISHING AND INSTALLING THE PREFORMED JOINT FILLER, CORK, SUBSECTION 707.21, SHALL BE SUBSIDIARY TO ITEM 501.25 CONCRETE CLASS B.
10. THE DRILLING, PLACING AND GROUTING OF THE ADDITIONAL DOWEL BARS IN THE EXISTING ABUTMENT SHALL BE SUBSIDIARY TO ITEM 509.15 REINFORCING STEEL. THE GROUT SHALL BE NON-SHRINKING (SEE SUBSECTION 702.04)
11. FOR SPECIFICATIONS REGARDING MOVEMENT OF TRAFFIC OVER THE BRIDGE SEE ITEM 631.10, MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS. ONE WAY TRAFFIC SHALL BE MAINTAINED WITH A CLEAR WIDTH BETWEEN TEMPORARY BARRIER RAILS OF 12'-6".
12. SO THAT A UNIFORM BREAKING EDGE MIGHT BE OBTAINED, A ONE-INCH DEEP SAW CUT SHALL BE MADE ALONG THE CUT LINES WHERE THE CONCRETE DECK IS TO BE REMOVED. PAYMENT FOR THIS WORK IS TO BE SUBSIDIARY TO ITEM 202.35 REMOVAL OF EXISTING CONCRETE OR MASONRY.

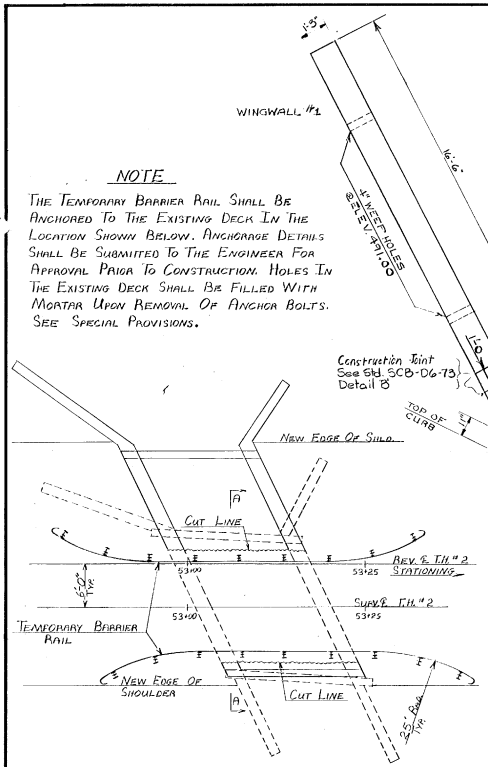
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF PLAINFIELD	Bridge No. 12
	Log Sta.
HIGHWAY NO. TH #2, CI II	Surv. Sta. 53+07.8
TH #2 over Great Brook	
PLAN & ELEVATION	
Designed by W. Felton	Drawn by W. Felton
Checked by D. PERKINS date 7-76	Bridge Design Supervisor F.W. BOLKUM date 8/76
PROJECT PLAINFIELD	PROJECT NO. SRS 2302(2)
Bridge Sheet No. 2	Sheet 26 of 30

BR-9

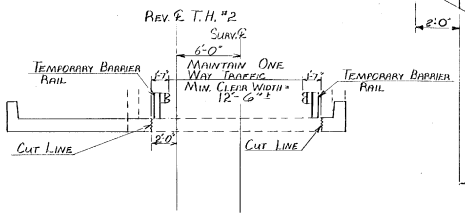
NOTE

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

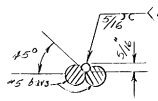
SCALE 1/8" = 1'-0"



SECTION A-A

SCALE 3/8" = 1'-0"

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

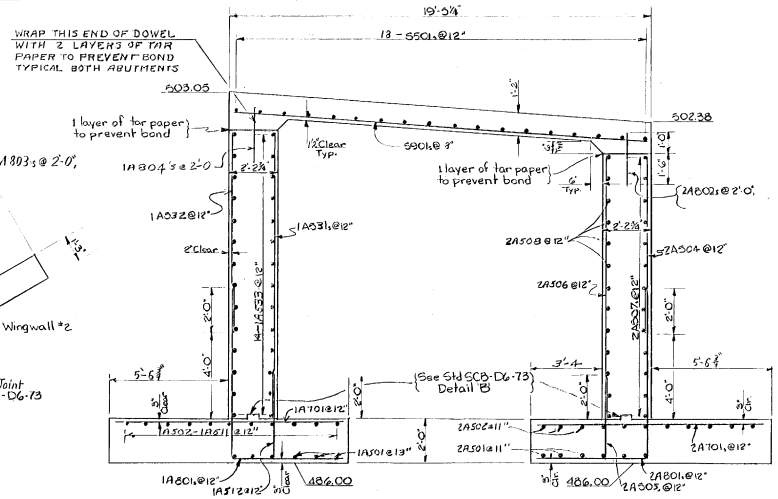


WELD SPLICE DETAIL

N.T.S.

SLAB REINFORCING PLAN

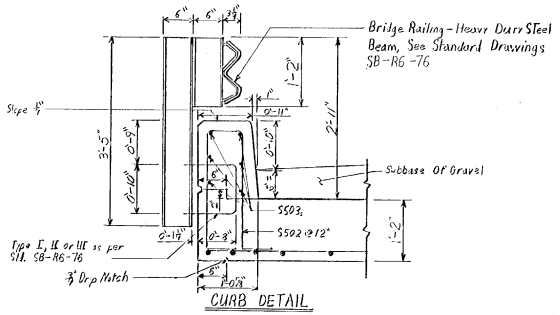
3/16" = 1'-0"



Typical Section Along Skew

3/8" = 1'-0"

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

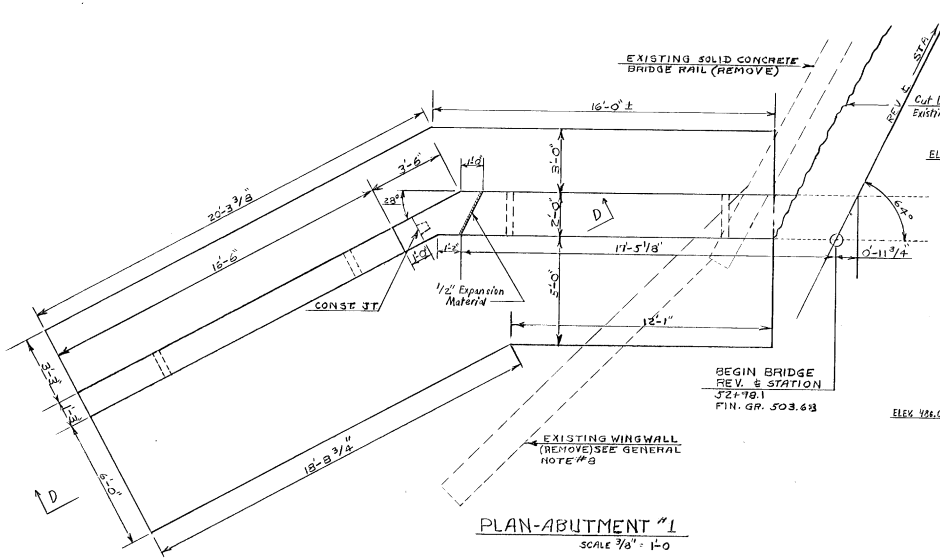


Scale 1" = 1'-0"

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

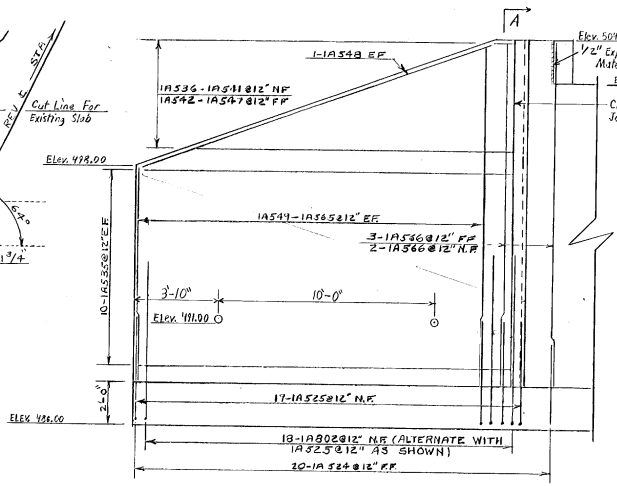
TOWN OF PLAINFIELD	Bridge No. 12
	Log Sta.
HIGHWAY NO. TH #2, C1.2	Surv. Sta. 53+07.8
TH #2 over Great Brook	
SLAB DETAILS	
Designed by D. Perkins	Drawn by W. Felton
Checked by J. COUTURE date JULY 76	Bridge Design Supervisor F.W. BOLKUM date 8/76
PROJECT PLAINFIELD	PROJECT NO. SRS 2302(2).
Bridge Sheet No. 3	Sheet 27 of 30

BR-9

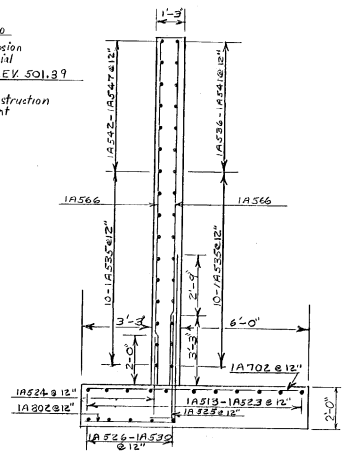


PLAN-ABUTMENT #1

SCALE 3/8" = 1'-0

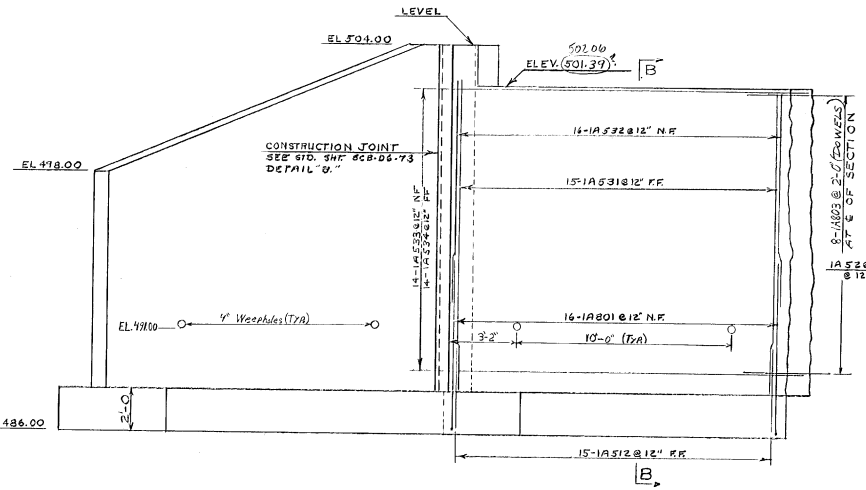


SECTION D-D
WINGWALL # 1
Scale 3/8" = 1'-0"



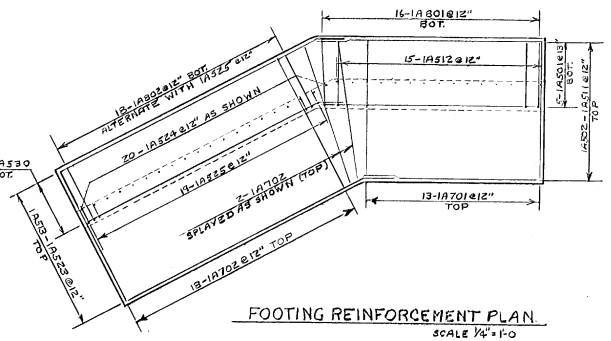
SECTION A-A

SCALE 3/8" = 1'-0



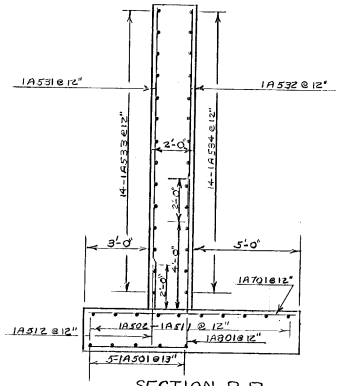
ELEVATION-ABUTMENT #1

SCALE 3/8" = 1'-0



FOOTING REINFORCEMENT PLAN.

SCALE 1/4" = 1'-0



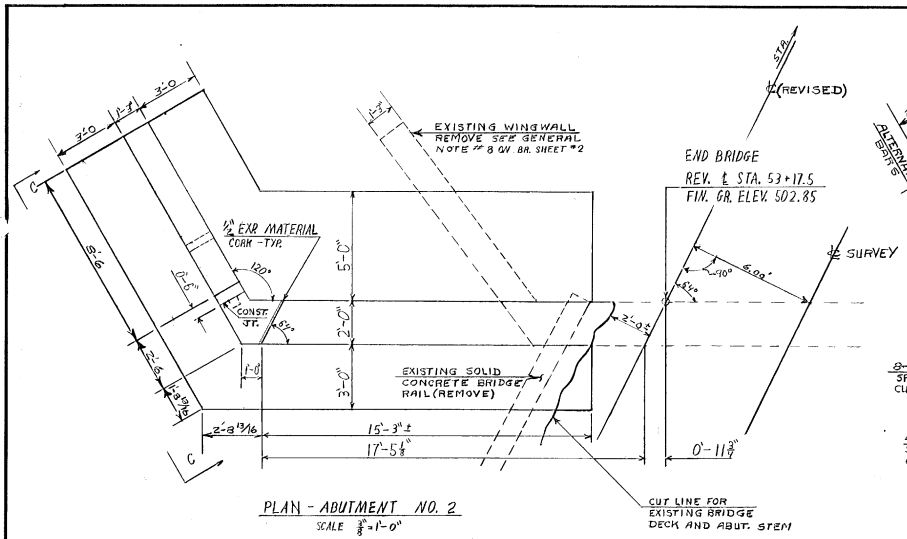
SECTION B-B

SCALE 3/8" = 1'-0

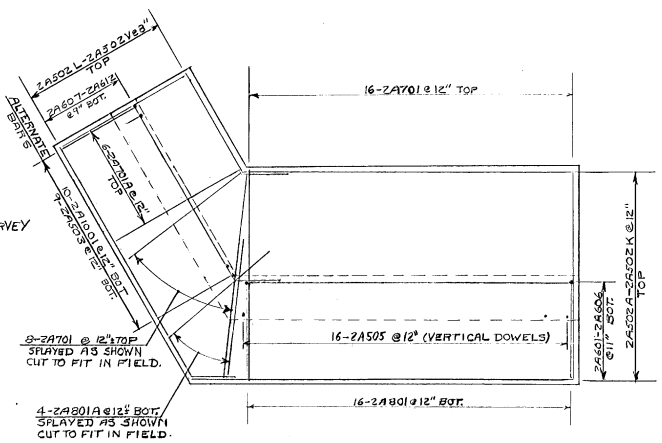
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF PLAINFIELD	Bridge No. 12
HIGHWAY NO. T.H. 2 - CL 2	Log Sta. 53+08.7
	Surv. Sta.
T.H. #2 OVER GREAT BROOK	
ABUTMENT #1 DETAILS	
Designed by D. PERKINS	Drawn by D. PERKINS
Checked by D. Landry date 7-76	Bridge Design Supervisor F. BOLHUM date 8/76
PROJECT PLAINFIELD	PROJECT NO. SRS 2302(2)
Bridge Sheet No. 4	Sheet 28 of 30

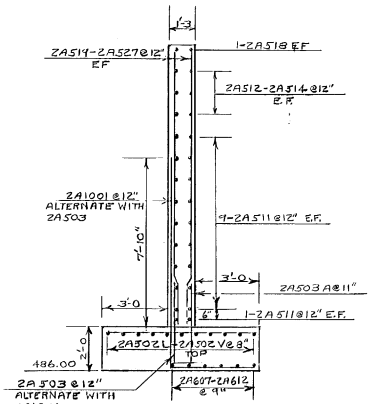
8R-9



PLAN - ABUTMENT NO. 2
SCALE 3/8" = 1'-0"



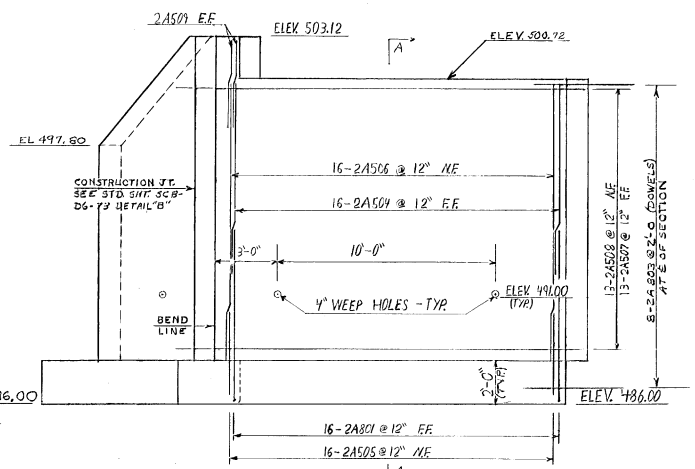
FOOTING REINFORCING PLAN
SCALE 3/8" = 1'-0"



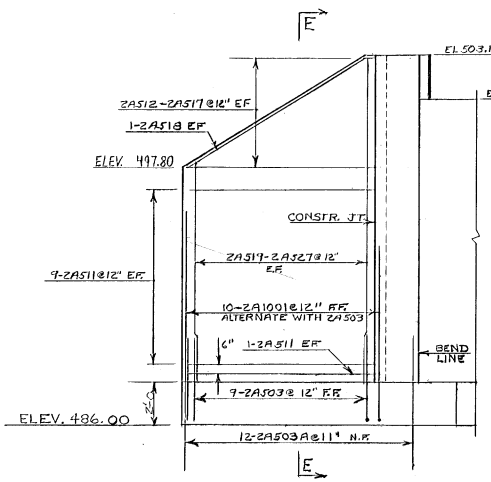
SECTION E-E
SCALE 3/8" = 1'-0"

ABUTMENT NOTES

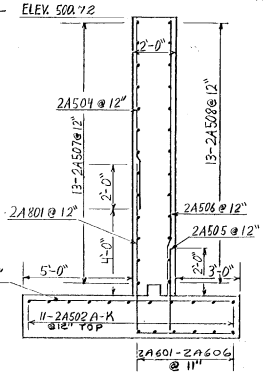
1. FOR THE GENERAL NOTES SEE TITLE SHEET & BR. SHEET #2.
2. PAYMENT FOR REMOVAL OF PORTIONS OF THE EXISTING BRIDGE AS DESIGNATED ON THESE PLANS SHALL BE MADE AS ITEM 202.35 REMOVAL OF EXISTING CONCRETE OR MASONRY.
3. THE MAXIMUM DESIGN FOOTING PRESSURE IS 4.0 K.S.F.
4. THE NEW BRIDGE SEAT ELEV. SHOULD BE FIELD CHECKED PRIOR TO BUILDING ABUTMENT STEMS. ADJUST SEATS SO AS TO ALLOW THE TOP OF THE NEW DECK TO MATCH WITH THE EXISTING DECK.
5. CARE SHALL BE TAKEN SO AS TO INSURE THAT THE EXISTING CONCRETE ABUTMENTS ARE NOT UNDERMINED DURING THE CONSTRUCTION OF THIS PROJECT.



ELEVATION - ABUTMENT NO. 2
SCALE 3/8" = 1'-0"



VIEW C-C
SCALE 3/8" = 1'-0"



SECTION A-A
SCALE 3/8" = 1'-0"

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF PLAINFIELD	Bridge No. 12
HIGHWAY NO. TH #2 CL2	Log Sta.
	Surv. Sta.

T.H. #2 OVER GREAT BROOK
ABUT #2 DETAILS

Designed by D. PERKINS	Drawn by D. WILLEY
Checked by D. Landry date 7-76	Bridge Design Supervisor F. BOLKUM date 8/76
PROJECT PLAINFIELD	PROJECT NO. SAS-2302 (2)
Bridge Sheet No. 5	Sheet 27 of 30

BR-9

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2																	
3				ABUTMENT NO. 1													
4																	
5																	
6	5	5	15'-9"	1A501	STR.												
7	1		12'-0"	1A502													
8	↓		To	Thru				VARY IN 9 EQUAL INCREMENTS									
9	1		15'-9"	1A511													
10	15		3'-9"	1A512													
11	20		3'-9"	1A524													
12	15		3'-11"	1A531													
13	16		9'-11"	1A532													
14	20		12'-0"	1A535													
15	1		1'-0"	1A536													
16	↓		To	Thru				VARY IN 5 EQUAL INCREMENTS									
17	1		14'-9"	1A541													
18	1		1'-0"	1A542													
19	↓		To	Thru				VARY IN 5 EQUAL INCREMENTS									
20	1		14'-9"	1A547													
21	2		17'-0"	1A548													
22	2		9'-10"	1A549													
23	↓		To	Thru				VARY IN 16 EQUAL INCREMENTS									
24	2	↓	15'-8"	1A565	↓												
25	5	5	15'-10"	1A566	STR.												
26																	
27																	
28	1	5	20'-7"	1A513	19		—	18'-7"	2'-0"				0'-11"		1'-9"		
29	↓		To	Thru			VARY DIMENSION "C" IN 10 EQUAL INCREMENTS										
30	1		21'-10"	1A523			—	19'-10"	2'-0"				0'-11"		1'-9"		
31	1		20'-8"	1A526			—	18'-8"	2'-0"				0'-11"		1'-9"		
32	↓		To	Thru			VARY DIMENSION C IN 4 EQUAL INCREMENTS										
33	1		21'-10"	1A530			—	19'-10"	2'-0"				0'-11"		1'-9"		
34	14		20'-0"	1A533	↓		—	15'-8"	4'-6"				2'-1"		4'-0"		
35	14	↓	18'-2"	1A534	19		—	15'-5"	2'-9"				1'-3"		2'-5"		
36	20	5	5'-10"	1A525	17		—	5'-0"	0'-10"								
37																	
38																	
39																	
40	13	7	9'-6"	1A701	STR.												
41	20	7	10'-0"	1A702	STR.												
42																	
43																	
44																	
45	16	8	12'-9"	1A801	17		—	7'-9"	4'-7"								
46	19	8	11'-10"	1A802	17		—	7'-9"	4'-1"								
47	8	8	3'-6"	1A803	STR.												
48	9	8	2'-0"	1A804	STR.												
49																	
50																	
51																	
52																	
53																	
54																	
55				EXISTING WINGWALLS FOOTINGS													
56																	
57																	
58	28	5	6'-6	WF501	STR.												
59	32	5	8'-6	WF502	STR.												
60																	
61																	
62																	
63																	
64																	
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77																	
78																	
79																	
80																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82																	
83				ABUTMENT NO. 2													
84																	
85																	
86	1	5	15'-4	2A502A	STR.												
87	↓		TO	THRU				VARY IN 10 EQUAL INCREMENTS									
88	1		17'-8	2A502K													
89	12		3'-9	2A503A													
90	16		8'-9	2A504													
91	16		3'-9	2A525													
92	16		12'-8	2A506													
93	4		4'-0	2A507													
94				2A510				NOT USED									
95	20		8'-9	2A511													
96	2		0'-6	2A512													
97	1		TO	THRU													
98	2		8'-8	2A517													
99	2		9'-8	2A518													
100	2		10'-1	2A519													
101	↓	↓		THRU	↓			VARY IN 8 EQUAL INCREMENTS									
102	2	5	15'-1	2A527	STR.												
103																	
104	1	5	7'-5"	2A502L	19		5'-5	2'-0					1'-7		1'-0		
105	↓			THRU			VARY DIM. "C" IN 10 EQUAL INCREMENTS										
106	1		14'-6	2A502V	19		—	12'-6	2'-0				1'-1		1'-0		
107	9		4'-6	2A503	17		—	3'-8	0'-10								
108	13	↓	20'-1	2A507	19		—	3'-3	16'-10				2'-7		1'-6		
109	13	5	21'-5	2A508	19		—	4'-4	17'-1				3'-10		2'-1		
110																	
111	1	6	16'-0	2A601	STR.												
112	↓		TO	THRU				VARY IN 5 EQUAL INCREMENTS									
113	1	6	17'-10	2A606	STR.												
114	*2	6	9'-4	2A607	STR.												
115	↓		TO	THRU				VARY IN 5 EQUAL INCREMENTS									
116	1	6	12'-5	2A612	STR.												
117																	
118	24	7	9'-6	2A701	STR.												
119	*7	7	6'-9	2A701A	STR.												
120																	
121	4	8	6'-6	2A801A	STR.												
122	9	8	2'-0	2A802	STR.												
123	8	8	3'-6	2A803	STR.												
124																	
125	16	8	12'-5	2A801	17		7'-10	4'-7	—								
126																	
127	*11	10	12'-4	2A1001	17		9'-7	2'-9	—								
128																	
129																	
130																	
131																	
132																	
133																	
134																	
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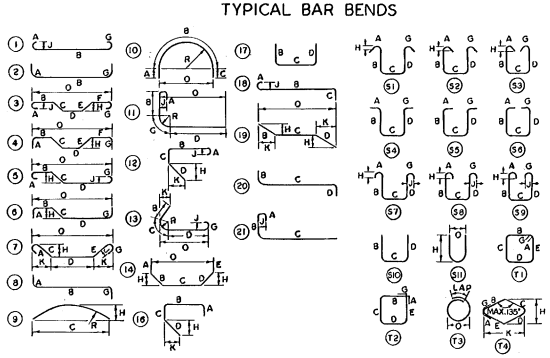
158																	
159																	
160																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
161																	
162																	
163				SUPERSTRUCTURE													
164																	
165																	
166	18	5	15'-0"	5501	STR.												
167	40	5	6'-5"	5502	S5	0'-10"	2'-1"	0'-7"	2'-1"			0'-18"					
168	12	5	19'-1"	5503	STR												
169																	
170	*23	9	19'-1	5901	STR.												
171																	
172																	
173																	
174																	
175																	
176																	
177																	
178																	
179																	
180																	

ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

TYPICAL BAR BENDS



NOTES

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT," AASHTO M 31 (ASTM A 615), GRADE 60.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS AND OTHER STANDARD PRACTICE SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE."
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
5. "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.

* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION
1	J. WOOD	8/11/75	AASHO CHANGED TO AASHTO AND GRADE 40 CHANGED TO GRADE 60.

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF PLAINFIELD	BRIDGE NO. 12
	LOG STA.
HIGHWAY NO. TH #2 CL2	SURV. STA. 53+08.7
T.H. #2 OVER GREAT BROOK	
REINFORCING STEEL SCHEDULE	
DESIGNED BY D. Perkins	DRAWN BY D. Willey
CHECKED BY D. Perkins DATE 7-76	BRIDGE DESIGN SUPERVISOR F. BOLKUM DATE 8/76
PROJECT PLAINFIELD	PROJECT NO. SRS-2302(2)
BRIDGE SHEET NO. 6	SHEET 30 OF 30

ABUTMENT 1

Station	Dist	Structure Excav. Area	Structure Excav. Vol	Gran. Bckfl for Struc Area	Gran. Bckfl for Struc Vol
9+54.4		0		0	
	1.0		11.5		11.5
9+55.4		23		23	
	4.9		399.4		303.8
9+60.3		140		101	
	12.9		1490.0		1490.0
9+73.2		91		130	
	4.0		312.0		452.0
9+77.2		65		96	
	8.8		932.8		862.4
9+86		147		100	
	3.0		250.5		150.0
9+89		20		0	
	1.0		10		
9+90		0			
			3406.2 =		3269.7
			126.1 cy		121.1 cy
			126.2 cy		
			6-7-79		6-7-79

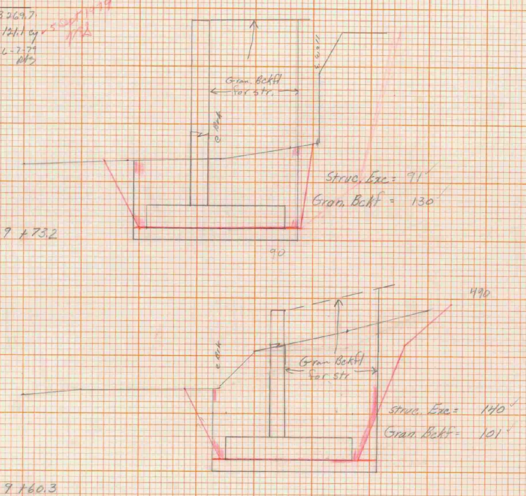
5 Sept 1979

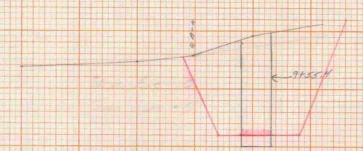
ABUTMENT 2

STA	DIST	Struc. Exc. Area	Struc. Exc. Vol	Gran. Backfill Area	Gran. Backfill Vol
9+72		0		0	
	1.5		15		14.3
9+73.5		20		19	
	5.7		333.5		273.6
9+79.2		97		77	
	0.9		90.0		82.8
9+80.1		103		107	
	2.9		248.0		278.4
9+83		68		85	
	7.0		504.0		577.5
9+90		76		80	
	6.4		720.0		512
9+96.4		149		80	
			1910.5 =		1738.6 =
			70.8 cy		64.4 cy

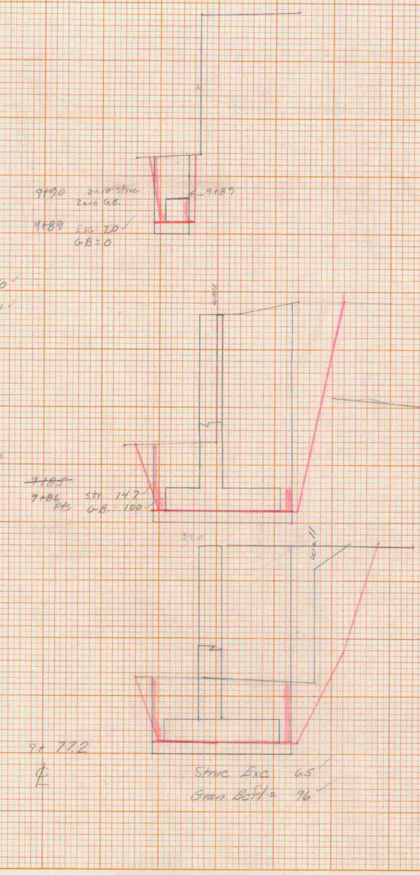
5 Sept 1979

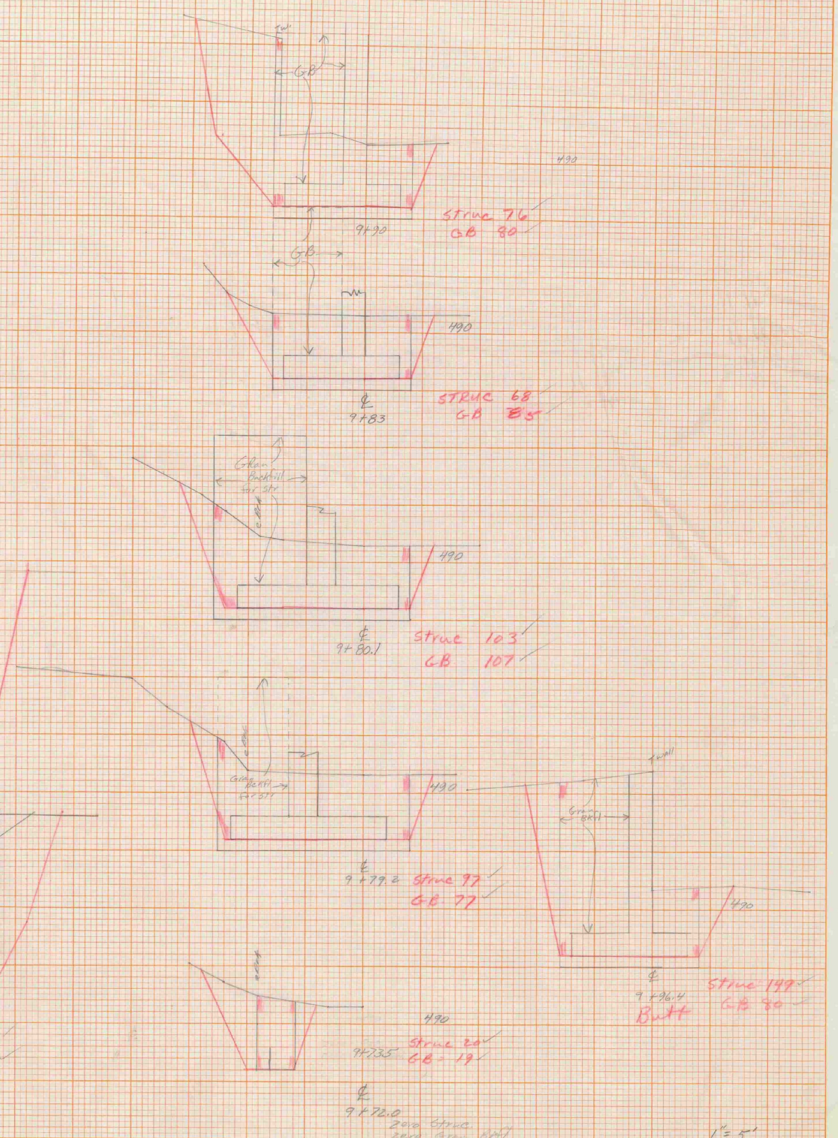
6/30/79





9+55.4 Struct Exc = 23
Gran Bckf = 23





1" = 5'

PLAINFIELD SRS 2302(2)

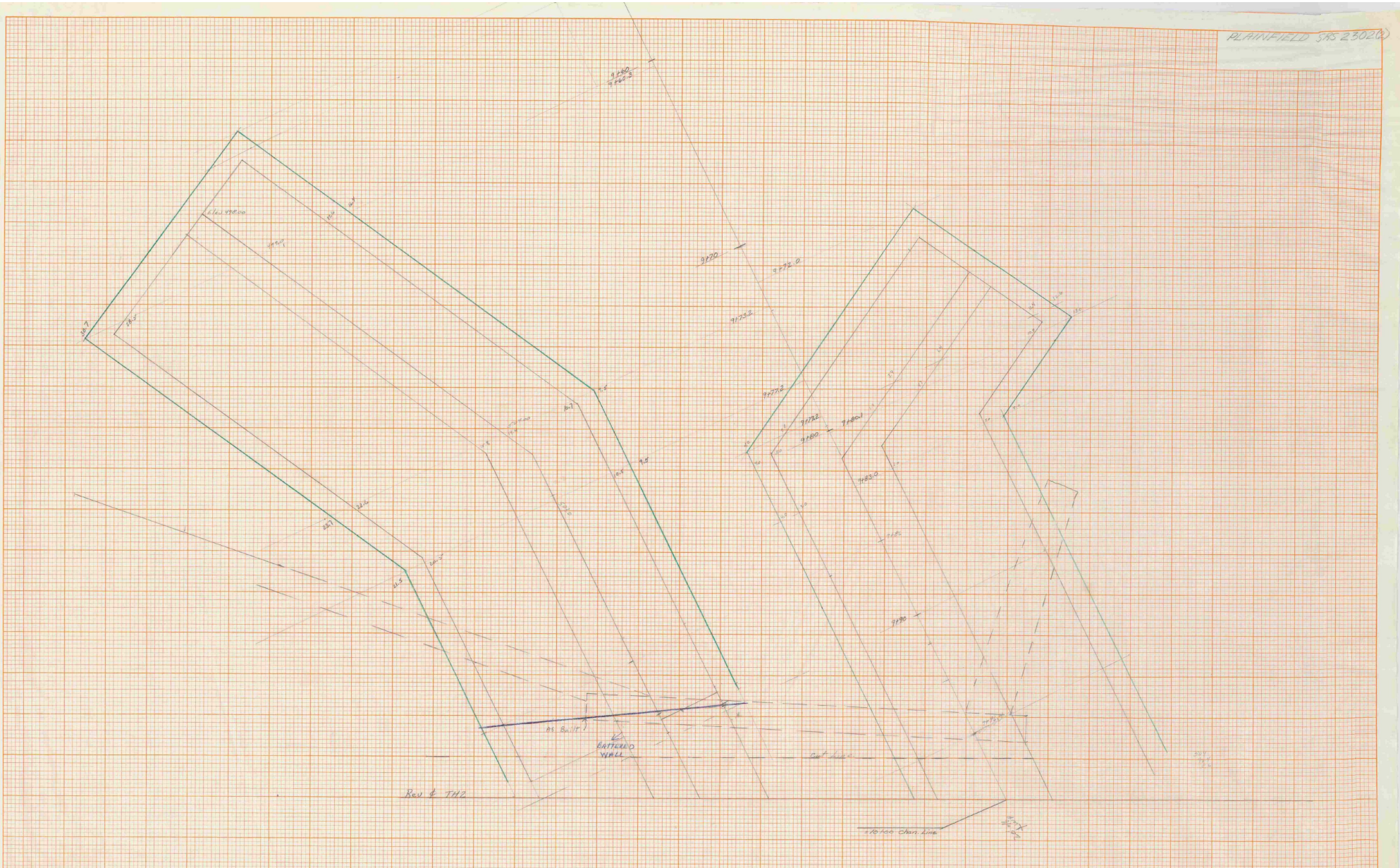


PLATE 3, CROSS SECTION

1" = 2'
4-16-79 RAS
RJP 5 Apr 1979

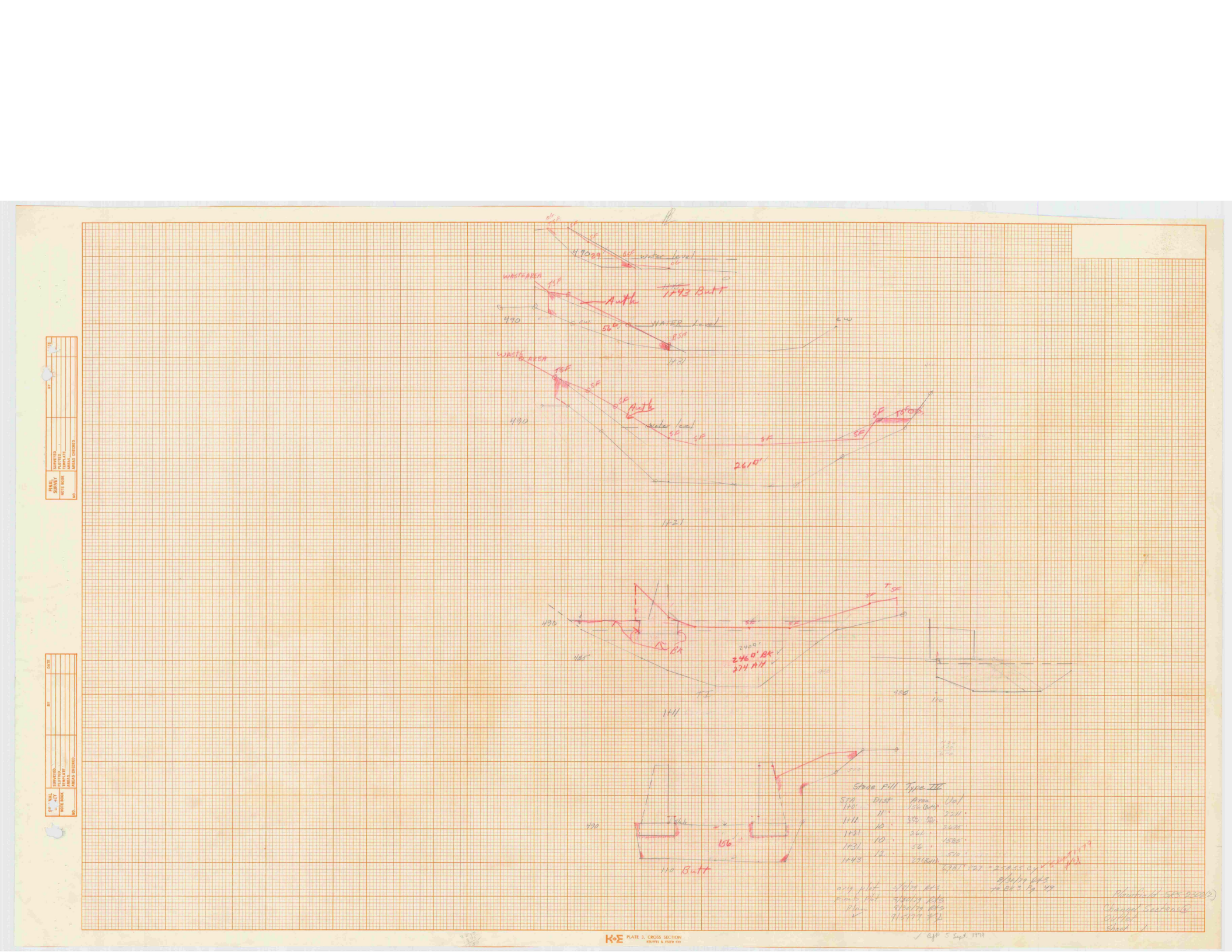


PLATE 3. CROSS SECTION
KEUFFEL & ESSER CO

Gift 5 Sept. 1979

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	LUMP SUM	TEMPORARY FOOT BRIDGE (MOD.)	528.12	
				60	LINEAR FOOT	18" PCCSP (MODIFIED)	601.0416	
			100	100	HOUR	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	HOUR	UNIFORM TRAFFIC OFFICERS	630.10	
			120	120	HOUR	FLAGGERS	630.15	
	1			1	LUMP SUM	TESTING EQUIPMENT - CONCRETE	631.16	
			1	1	LUMP SUM	MOBILIZATION	635.10	
100				100	SQUARE YARD	GEOTEXTILE FABRIC FOR SILT FENCE	649.20	
100				100	POUNDS	SEED	651.15	EST.
750				750	POUNDS	FERTILIZER	651.18	EST.
1				1	TONS	AGRICULTURE LIMESTONE	651.20	EST.
1				1	TONS	HAY MULCH	651.25	EST.
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 BIKE (18) S
DRAWN BY: MJD
DESIGN FILE: CK187.DGN
IPARM NAME:
PLOT DATE: 6/28/95

I:\DATA\PROJECTS\MJD\QUAN mec Aug 2 14:25:17 1995 e1f

INDEX OF SHEETS

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

PROPOSED IMPROVEMENT
BRIDGE PROJECT

TOWN OF PLAINFIELD
COUNTY OF WASHINGTON

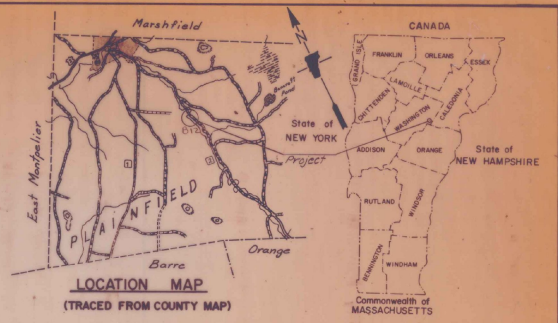
ROUTE NO: TH. 2, CL. II BRIDGE NO: 12

PROJECT LOCATION: BEGINNING AT A POINT 3.34 MILES NORTHERLY OF THE PLAINFIELD / ORANGE TOWN LINE, AND EXTENDING NORTHERLY 0.038 MILES.

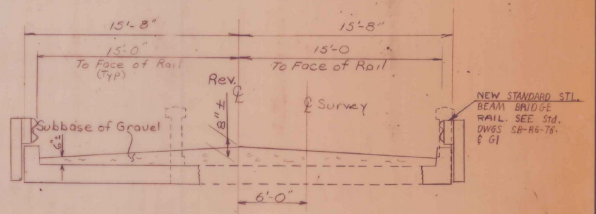
PROJECT DESCRIPTION: Consists of widening the existing Bridge with a R.C. Slab Bridge addition on the upstream side. Also related roadway and Channel Work.

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



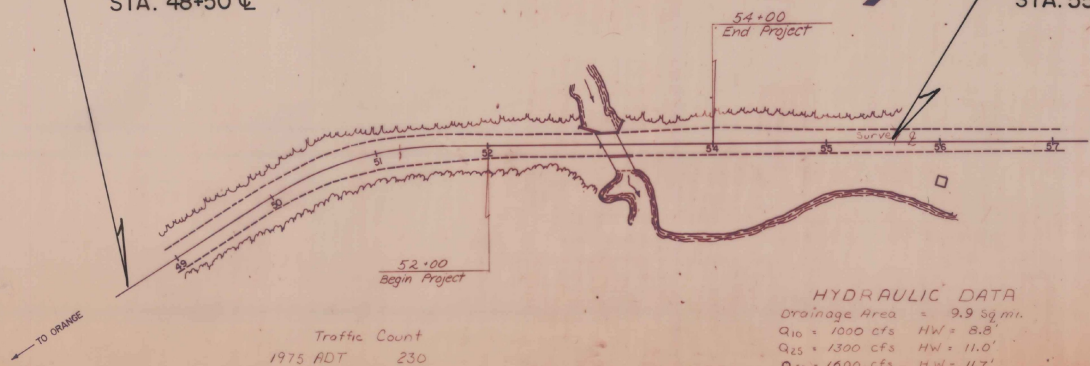
LOCATION MAP
(TRACED FROM COUNTY MAP)

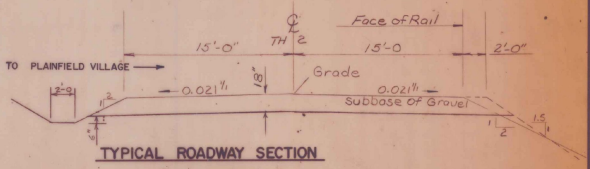


TYPICAL BRIDGE SECTION
Scale: NTS

BEGIN R.O.W. PROJ. SRS 2302(2)
STA. 48+50 ℄

END R.O.W. PROJ. SRS 2302(2)
STA. 55+50 ℄





TYPICAL ROADWAY SECTION
Scale: 1"= 5'-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.
Q_{10} = 1000 cfs HW = 8.8'
Q_{25} = 1300 cfs HW = 11.0'
Q_{50} = 1600 cfs H.W. = 11.7'
Q_{100} = 1900 cfs H.W. = 12.1'
OHW = 35 cfs ; depth of flow = 1.5'±
OLW = 10 cfs ; depth of flow = 1.0'±

GENERAL NOTES:

1. THE GENERAL NOTE PERTAINING TO SPECIFICATIONS, MATERIALS AND CONSTRUCTION IS SHOWN ON STD. DWG. SCB-D1-75, MODIFIED FOR AN H20 LIVE LOADING AND INCLUDING AN ALLOWANCE FOR 8" OF GRAVEL AND 2" OF FUTURE PAVEMENT ONCE FIVE DECK SURFACE. OTHER NOTES SHOWN ON THE STANDARD THAT ARE NOT OTHERWISE SHOWN OR MODIFIED ARE NOTE 14.
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 AASHTO STANDARD SPECS. FOR HWY. BRIDGES DATED 1973 AND ITS LATEST REVISIONS.

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 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 HIGHWAY BOARD
APPROVED R.O.Munn DATE 2-18-77
CHIEF ENGINEER

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED _____ DATE _____
DIVISION ENGINEER

APPROVED W. R. Hoyt
RIGHT OF WAY DIRECTOR
DATE 3-21-77

PROJECT SRS NR 2302 (2)
SHEET 1 OF 3 SHEETS

D-10 SRS. 12/17/70

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.	55+50 LT.	0.06A ±	202.94A ±		OPTION	9/15/78	PLAINFIELD	3	296-7	2450 S.F. ±
			51+70 LT.	53+25 LT.			SLOPE (P) (700 S.F. ±)						
			53+05 LT.	53+15 LT.			CHANNEL (P) (253 S.F. ±)						
2	TOWN OF PLAINFIELD — LESSOR	3	51+85 RT.	52+75 RT.			SLOPE (P) (400 S.F. ±)	W.D.O.E.	7/10/78	PLAINFIELD	24	426-427	
	GRIGGS, ALBERT O. & ONDREE S. — LESSEES		53+07 RT.	53+32 RT.			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.	W.E.B.
2	2	Parcel #1 Saman Revised Slope "Right Area from 1253 S.F. to 700 S.F. Per C.O.# 3375	5-19-77	ADP	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	5-25-77	NBB	T.P.M.
4	2 & 3	Parcel #1 Saman. Delete "Town of Plainfield-Lessor". Per CO.# 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
(D) — DEMOLITION OR REMOVAL
[W] — WATER SOURCES

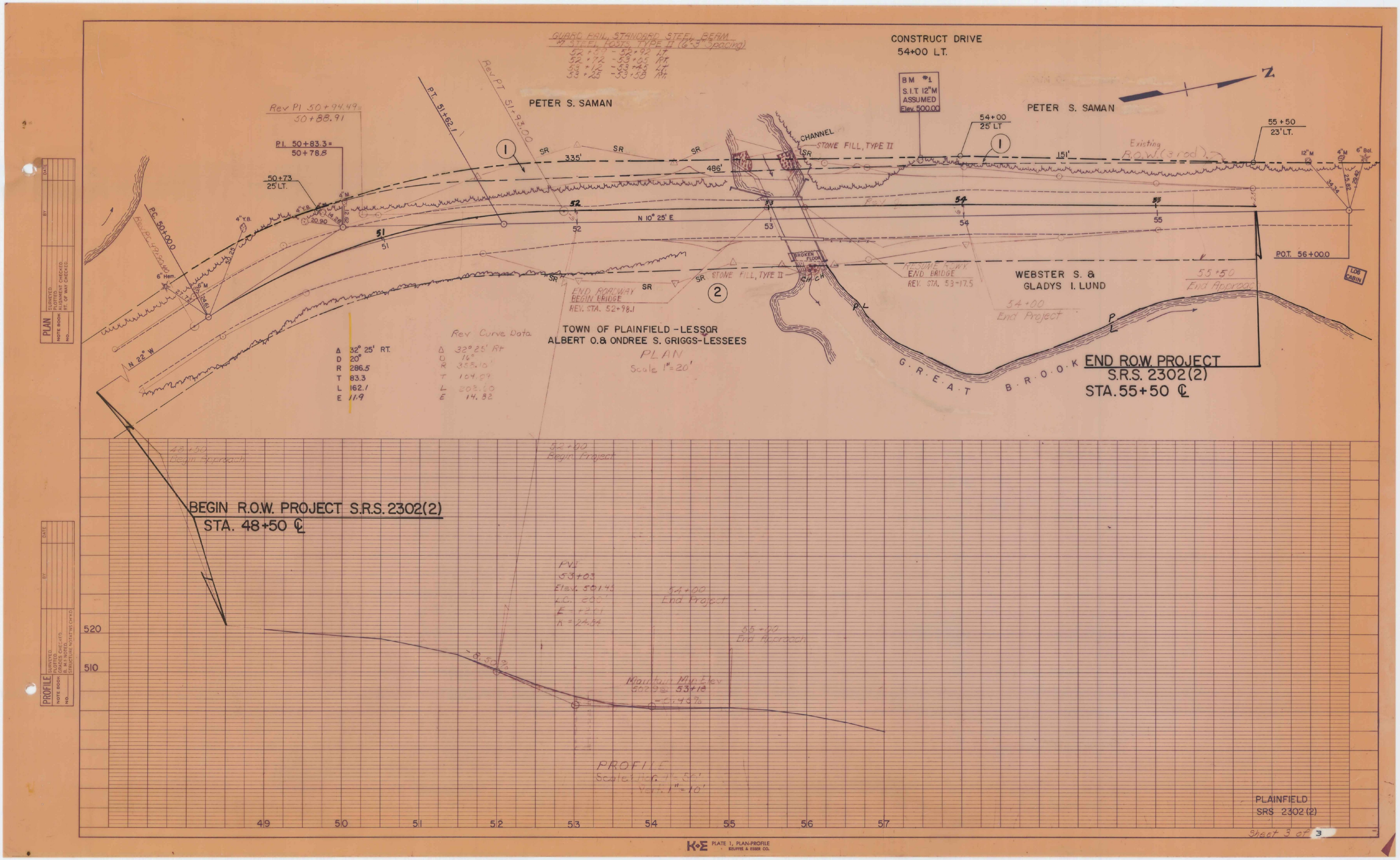
LEGEND

PRESENT R.O.W.
TAKING WITHOUT ACCESS
TAKING WITHOUT ACCESS ALONG PROPERTY LINES
TAKING WITH ACCESS
(P) PERMANENT EASEMENT
(T) TEMPORARY EASEMENT
SLOPE RIGHTS
PROPERTY LINE
TOP OF CUT
TOE OF SLOPE

APPROVED Thomas P. Mayo CHIEF OF PLANS & TITLES DATE 3-21-77

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

ROW



GUARD RAIL, STANDARD STEEL BEAM
CONSTRUCT DRIVE
54+00 LT.
BM
S.I.T. 12" M
ASSUMED
Elev. 500.00
PETER S. SAMAN
PETER S. SAMAN
Rev PI 50+94.49=
50+88.91
P.I. 50+83.3=
50+78.8
50+73
25' LT.
PT. 51+62.1
Rev PT 51+93.00
P.C. 50+00.0
CHANNEL
STONE FILL, TYPE II
54+00
25' LT
55+50
23' LT.
N 10° 25' E
N 22° W
335'
486'
151'
Existing
SR
BROKEN FLOOR
END ROADWAY
BEGIN BRIDGE
REV. STA. 52+98.1
STONE FILL, TYPE II
RESUME ROWY
END BRIDGE
REV. STA. 53+17.5
WEBSTER S. &
GLADYS I. LUND
POT. 56+00.0
LOG CABIN
55+50
End Approach
54+00
End Project
TOWN OF PLAINFIELD - LESSOR
ALBERT O. & ONDREE S. GRIGGS - LESSEES
PLAN
Scale 1" = 20'
Rev Curve Data
Δ 32° 25' RT.
D 20°
R 286.5
T 83.3
L 162.1
E 11.9
Δ 32° 25' Rt
END R.O.W. PROJECT
S.R.S. 2302(2)
STA. 55+50 ℄
G R E A T B R O O K
BEGIN R.O.W. PROJECT S.R.S. 2302(2)
STA. 48+50 ℄
52+00
Begin Project
PVI
53+03
54+00
End Project
55+50
End Approach
520
510
PROFILE
49
50
51
52
53
54
55
56
57
PLAINFIELD
SRS 2302(2)
Sheet 3 of 3
PLAN
PROFILE
K+E PLATE 1, PLAN-PROFILE
KEUFFEL & ESSER CO.

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