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LIST OF STANDARDS

E-100	5/26/89 R	G-1	10/31/85 R
E-101	10/30/87	G-ID	10/31/85 R
E-102	1/23/89 R		
E-107	4/29/88 R	SB-R6 -82	12/13/84 R
E-107A	9/10/87		

GENERAL NOTES

- DESIGN IS FOR HS-20-44 LIVE LOADING WITH ALLOWANCE FOR 2 1/2 INCH FUTURE PAVING.
- TRAFFIC SHALL BE MAINTAINED ON A ONE-WAY TEMPORARY BRIDGE. NO TRAFFIC SIGNALS WILL BE REQUIRED. THE TEMPORARY BRIDGE SHALL HAVE A 20' SPAN WITH AT LEAST 5' VERTICAL CLEARANCE. PAYMENT SHALL BE UNDER "ONE-WAY TEMPORARY BRIDGE".

SEE SHEET 8 OF 38 FOR MORE GENERAL NOTES

LOAD RATING (TONS)						
STRESS LEVELS	TRUCK					
	H	HS	352	AXLE	3A	5A
INVENTORY	27	48	X	X	X	X
POSTED	38	66	78	X	44	46
OPERATING	X	77	92	83	52	54

CONVENTIONAL SIGNS

COUNTRY LINE	---
TOWN LINE	---
LIMITS OF ACCESS	---
POINT OF ACCESS	X
FENCE LINE	---
STONE WALL	---
TRAVELED WAY	---
GUARD RAIL	---
RAILROAD	---
SURVEY LINE	---
CULVERT	---
POWER POLE	---
TELEPHONE-POLE	---
TREES	---
CONTROL OF ACCESS	---
PROPERTY LINE	---
ROW TAKING LINE	---
SLOPE RIGHTS	---
TOP OF CUT	---
TOE OF SLOPE	---

HYDRAULIC DATA

Q 253 = 500 CFS ELEV. 990.0
Q 10 = 1050 CFS ELEV. 990.9
Q 25 = 1450 CFS ELEV. 991.7
Q 80 = 1750 CFS ELEV. 992.4
Q 100 = 2100 CFS ELEV. 993.2
DRAINAGE AREA = 9.9 sq. mi.
TAILWATER DEPTH @ Q25 = 3.6'
OUTLET VELOCITY @ Q25 = 19.3 FPS
AVERAGE DAILY FLOW = 150 CFS
O.H.W. = 250 CFS DEPTH = 2.0'
O.L.W. = 75 CFS DEPTH = 1.0'
THE ROADWAY WILL NOT OVERFLOW BELOW Q100

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

TRAFFIC DATA	
1990 ADT	= 290
2010 ADT	= 394
1990 PHV	= 40
% T	= 1
% D	= 52

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

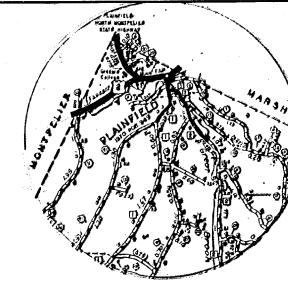
TOWN OF PLAINFIELD
COUNTY OF WASHINGTON

ROUTE NO: CLASS 2, TH 2 BRIDGE NO: 12

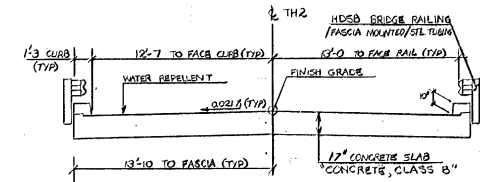
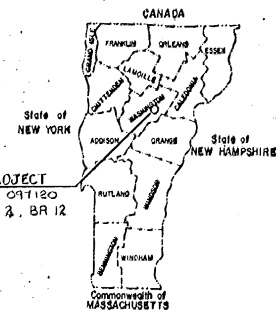
PROJECT LOCATION: BEGINNING AT A POINT ON TH 2, APPROXIMATELY 0.33 MILES SOUTHERLY OF ITS JUNCTION WITH TH 21, AND EXTENDING NORTHERLY ALONG TH 2 FOR A DISTANCE OF 0.01 MILES.

PROJECT DESCRIPTION: CONSTRUCTION OF A NEW CONCRETE SLAB BRIDGE WITH RELATED CHANNEL WORK AND ROADWAY APPROACHES

LENGTH OF STRUCTURE:	28.00 FEET
LENGTH OF PARTICIPATION ROADWAY:	332.00 FEET
LENGTH OF NON-PARTICIPATION ROADWAY:	- FEET
LENGTH OF PROJECT:	350.00 FEET

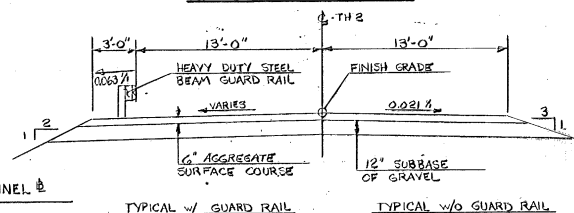


LOCATION MAP
(TRACED FROM COUNTY MAP)



SCALE: 1" = 1'-0"

TYPICAL BRIDGE SECTION



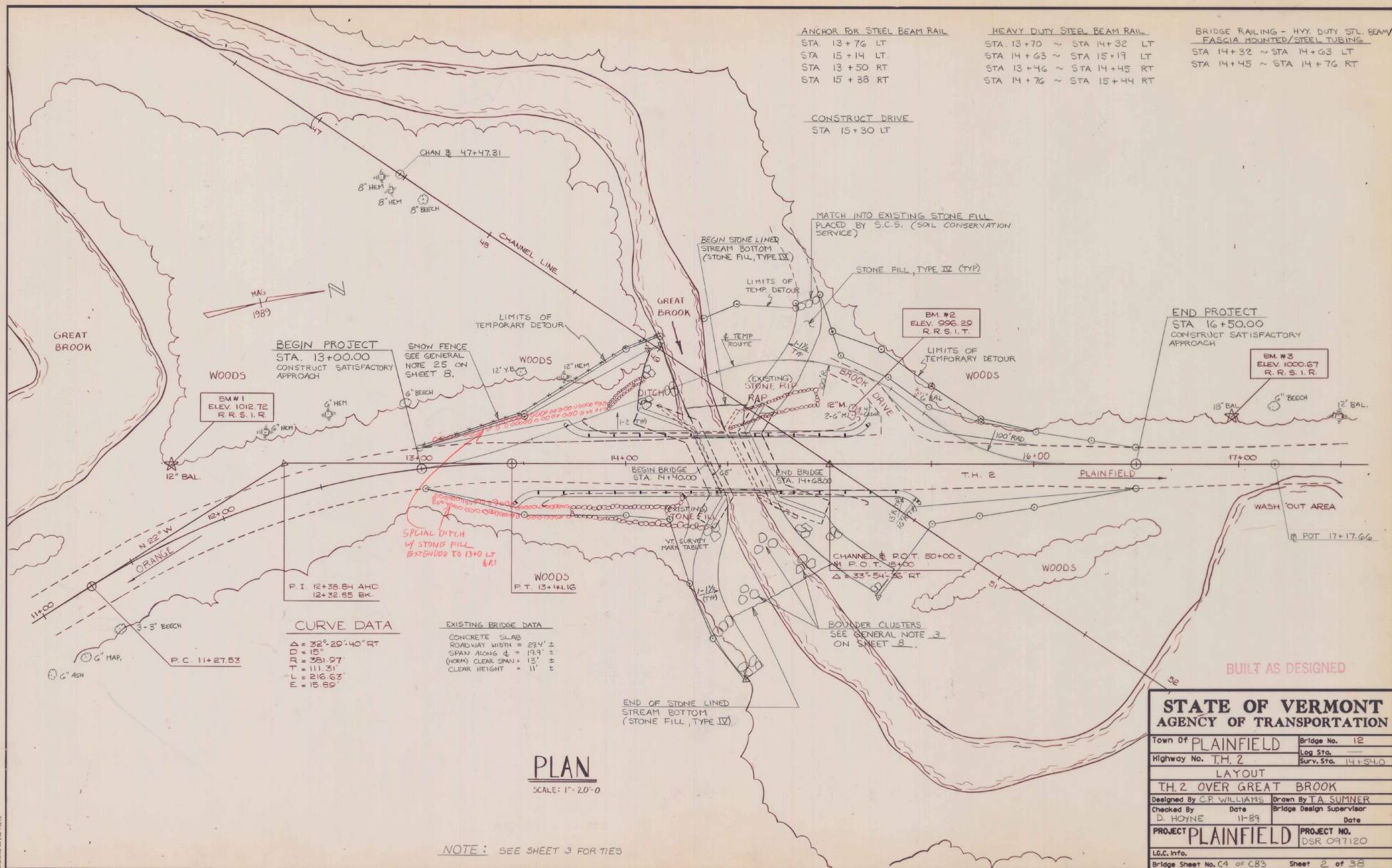
TYPICAL ROADWAY SECTION

SCALE: 1" = 1'-0"

BUILT AS DESIGNED

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 1989, FOR USE ON THESE PROJECTS, INCLUDING ALL SUBSEQUENT PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

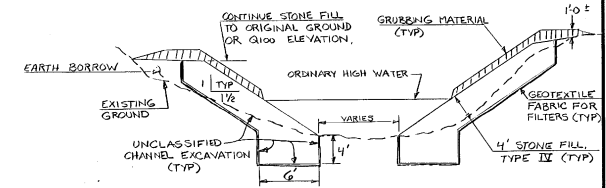
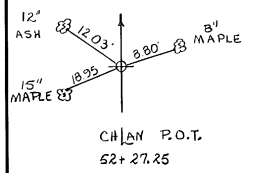
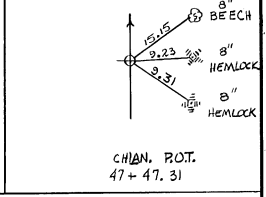
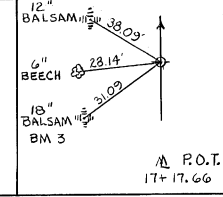
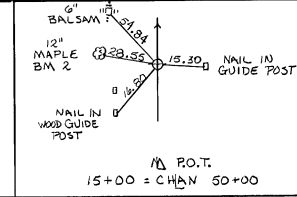
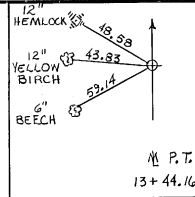
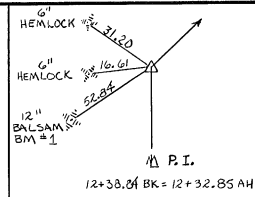
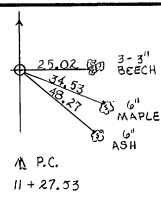
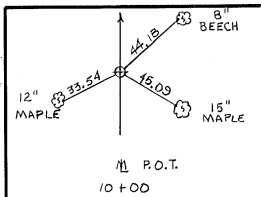
SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD	
APPROVED	DATE
DIRECTOR OF PLANNING & RECONSTRUCTION	
BRIDGE 12 ON TH 2 OVER GREAT BROOK	
PROJECT	PROJECT NO.
PLAINFIELD	DSR 047120
SHEET C3 OF C83 (SHEET 11 OF 38 SHEETS)	
3/8 7/2/89	



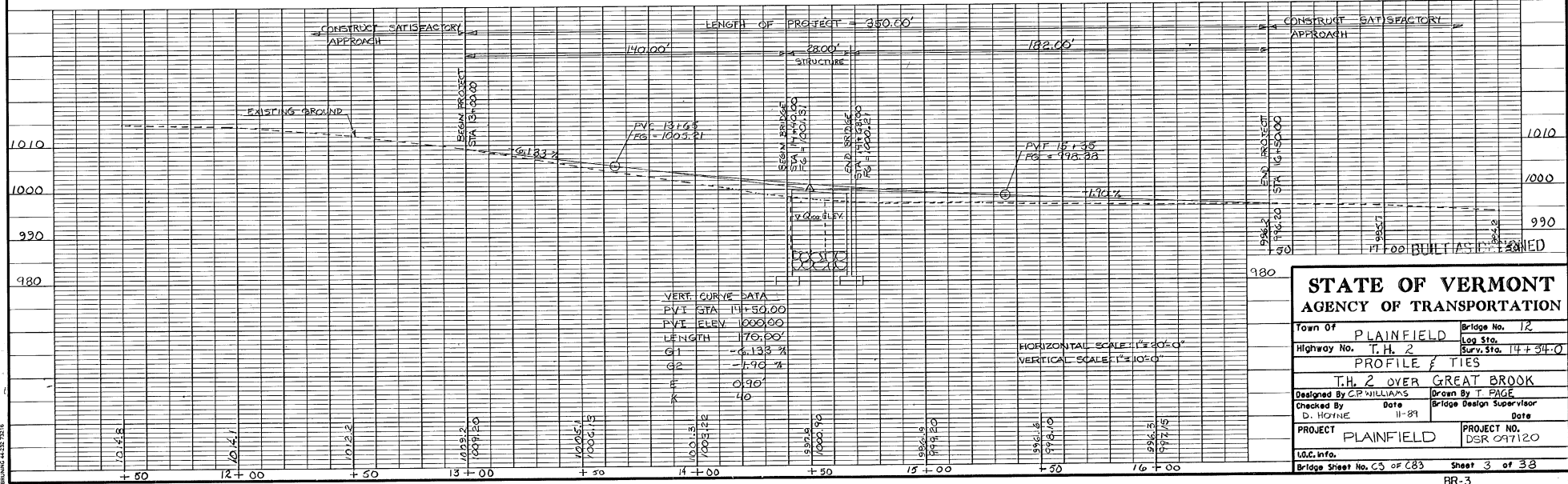
PLAN

SCALE: 1" = 20'-0"

NOTE: SEE SHEET 3 FOR TIES



TYPICAL CHANNEL SECTION
1" = 1'-0"



STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town of PLAINFIELD Bridge No. 12
Highway No. T.H. 2 Log Sta. 14+34.0
Checked By D. HONE Date 11-89 Bridge Design Supervisor Date
PROJECT PLAINFIELD PROJECT NO. DSR 097120
L&C Info. Bridge Sheet No. C5 of C83 Sheet 3 of 38

[illegible]

QUANTITY BREAKDOWN															
NO.	ITEM	UNIT	SUPER STRUCTURE	ABUT. # 1	ABUT. # 2	TH #2 ROADWAY	CHANNEL			TOTAL	FINAL				
203.15	COMMON EXCAVATION	CY				60				60					
203.21	UNCLASSIFIED CHANNEL EXCAVATION	CY					1330			1330					
204.25	STRUCTURE EXCAVATION	CY		360	260					620					
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		210	170					380					
301.15	SUBBASE OF GRAVEL	CY				380				380					
401.10	AGGREGATE SURFACE COURSE	CY				190				190					
501.25	CONCRETE CLASS "B"	CY	45	188	161					394					
505.36	TEMPORARY STEEL SHEET PILING	SF		1500						1500					
507.15	REINFORCING STEEL	LB		20220	18720					38940					
507.17	EPOXY COATED REINFORCING STEEL	LB	8420							8420					
514.10	WATER REPELLENT	GAL	8	13	12					33					
525.44	BRIDGE RAILING HDSB / FASCIA MOUNTED / STEEL TUBING	LF	63							63					
528.10	ONE-WAY TEMPORARY BRIDGE	LS				1				1					
529.20	PARTIAL REMOVAL OF STRUCTURE	EA				1				1					
608.25	ALL PURPOSE EXCAVATOR RENTAL TYPE I	HR				10				10					
613.13	STONE FILL TYPE IV	CY					1350			1350					
621.2	HEAVY DUTY STEEL BEAM GUARD RAIL	LF				340				340					
621.60	ANCHORS FOR STEEL BEAM GUARD RAIL	EA				4				4					
621.80	REMOVAL AND DISPOSAL OF GUARD RAIL	LF				258				258					
631.12	FIELD OFFICE (MODIFIED)	LS								0.4					
631.16	TESTING EQUIPMENT-CONCRETE	LS								0.4					
635.10	MOBILIZATION	LS								0.4					
644.10	GEOTEXTILE FABRIC FOR FILTERS	SY					930			930					
651.40	GRUBBING MATERIAL	SY					400			400					

PROJECT NO. DSR 097120
SHEET NO. 4 OF 38

ANCHOR FOR STEEL BEAM RAIL

STA 13+76 LT
STA 15+14 LT
STA 13+50 RT
STA 15+38 RT

HEAVY DUTY STEEL BEAM RAIL

STA 13+70 ~ STA 14+32 LT
STA 14+63 ~ STA 15+19 LT
STA 13+46 ~ STA 14+45 RT
STA 14+76 ~ STA 15+44 RT

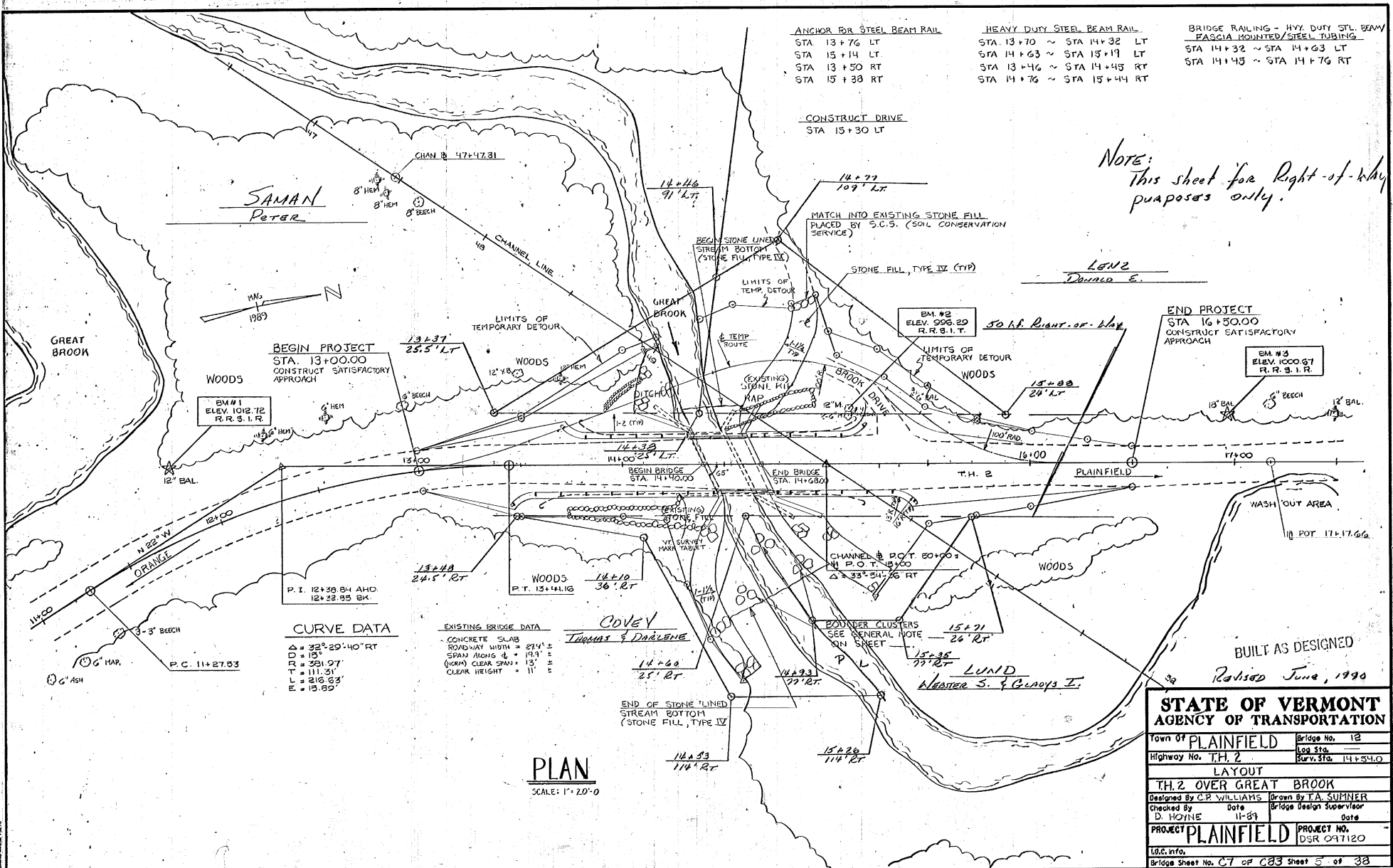
BRIDGE RAILING - H.V. DUTY STL. BEAM

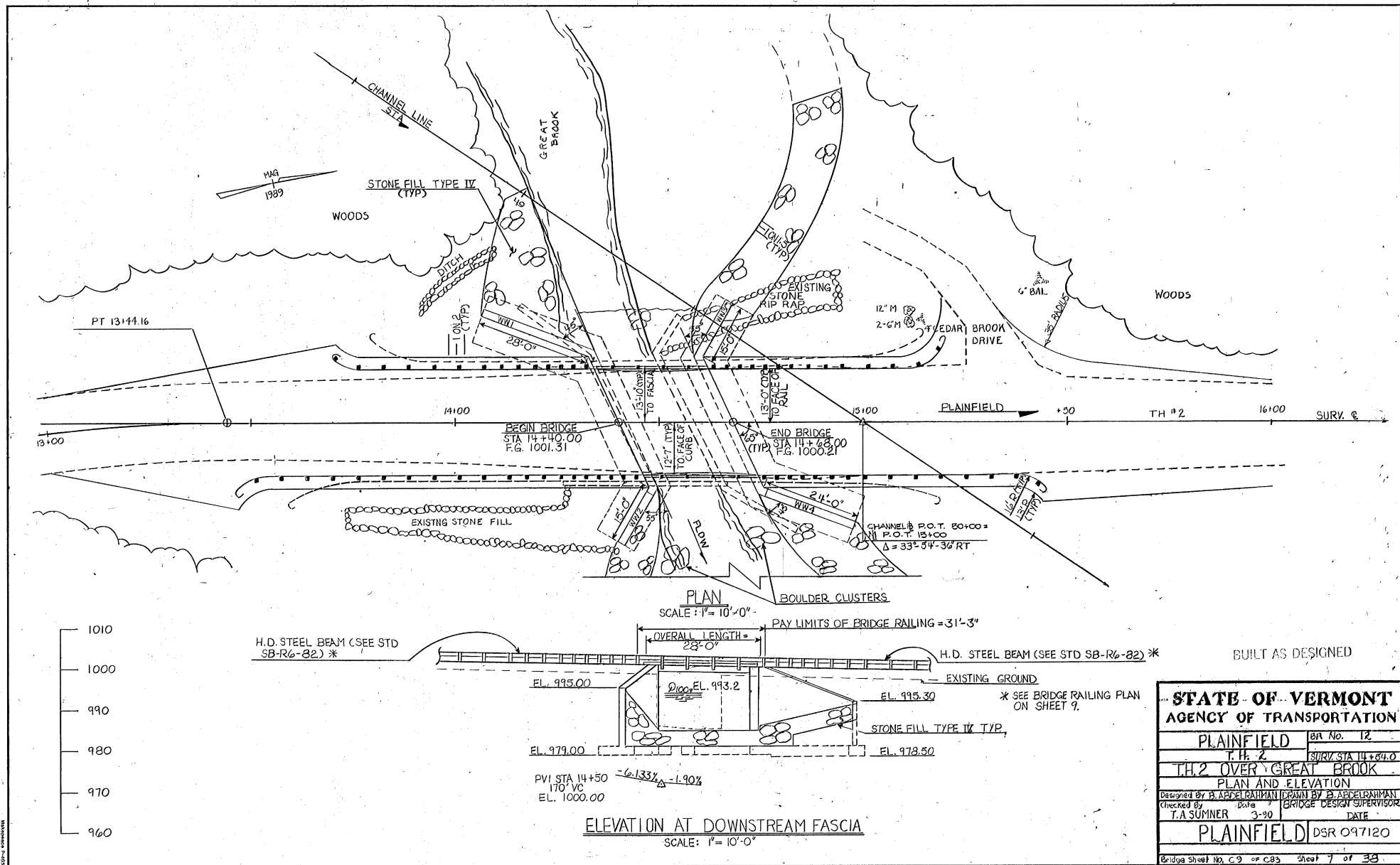
PASCIA MOUNTED/STEEL TUBING
STA 14+32 ~ STA 14+63 LT
STA 14+45 ~ STA 14+76 RT

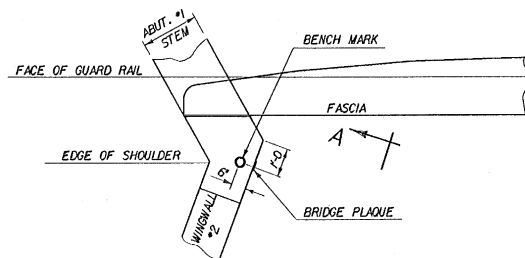
CONSTRUCT DRIVE

STA 15+30 LT

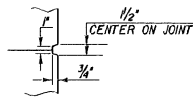
NOTE:
This sheet for Right-of-Way
purposes only.



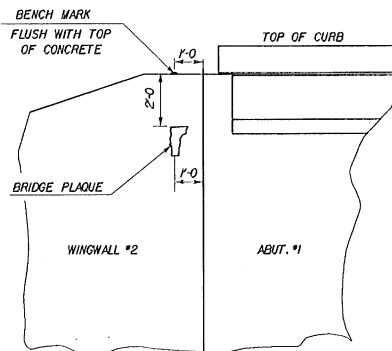




PLAN
NTS



SCORE MARK DETAIL
NTS



VIEW "A - A"
NTS

LOCATE BENCH MARK AND BRIDGE PLAQUE

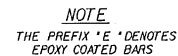
THE BRIDGE PLAQUE AND BENCH MARK WILL BE SUPPLIED BY THE AGENCY OF TRANSPORTATION AND SHALL BE INSTALLED BY THE CONTRACTOR AT ABUTMENT #1 ON THE RIGHT SIDE AS SHOWN OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES (CONTINUED)

3. THREE ENERGY DISSIPATER BOULDER CLUSTERS (5 FOOT TO 6 FOOT DIAMETER ROCKS) WILL BE PLACED DOWNSTREAM OF STRUCTURE AS DIRECTED BY THE RESIDENT ENGINEER. THIS ITEM SHALL BE PAID FOR UNDER "STONE FILL, TYPE IV".
4. ALL IN-STREAM CONSTRUCTION SHALL BE CONDUCTED DURING THE PERIOD FROM JUNE 1 TO OCTOBER 1.
5. THE EXISTING BRIDGE SHALL BE REMOVED UNDER ITEM "PARTIAL REMOVAL OF STRUCTURE". THIS INCLUDES THE SUPERSTRUCTURE AND PORTIONS OF THE SUB-STRUCTURE NOT REMOVED UNDER THE ITEMS "STRUCTURE EXCAVATION" OR "UNCLASSIFIED CHANNEL EXCAVATION".
6. THE TEMPORARY BRIDGE SHALL BE SITED SO AS TO PRESENT THE LEAST DISTURBANCE TO THE STREAM BANKS AND STREAMBED. TEMPORARY FILLS SHALL CONSIST OF CLEAN STONE ONLY. DISTURBED AREAS SHALL BE REVEGETATED OR STABILIZED WITH STONE FILL IMMEDIATELY UPON REMOVAL OF THE TEMPORARY STRUCTURES.
7. THE HEIGHT OF FILL BEHIND ABUTMENTS SHALL BE LIMITED TO 2 FEET BELOW BRIDGE SEAT ELEVATION UNTIL THE SLAB HAS BEEN POURED AND CURED.
8. TRANSIT MIXERS AND CONSTRUCTION EQUIPMENT REQUIRED TO POUR THE CONCRETE CURBS SHALL BE ALLOWED ON THE BRIDGE FLOOR AFTER THE SLAB HAS CURED FOR 10 DAYS, AND 85% OF THE MINIMUM COMPRESSIVE STRENGTH HAS BEEN OBTAINED. THE BRIDGE MAY BE OPENED TO TRAFFIC AFTER THE CONCRETE CURBS HAVE CURED FOR 7 DAYS.
9. BLANK
10. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 1986, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 1989, AND ITS LATEST REVISIONS.
11. THE FORM WORK FOR THE CONCRETE SLAB SHALL BE CONSTRUCTED WITH A 2 INCH CAMBER AT MIDSPAN. THE CAMBER SHALL APPROXIMATE A SIMPLE CIRCULAR CURVE FROM SUPPORT TO SUPPORT.
12. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE "CONCRETE REINFORCING STEEL INSTITUTE".
13. MINIMUM COVER FOR REINFORCING STEEL (EXCEPT IN DECKS) SHALL BE TWO (2) INCHES ALONG BACK FACES OF WALLS AGAINST EARTH, AND THREE (3) INCHES ELSEWHERE.
14. REINFORCING PLACEMENT TOLERANCES SHALL BE:
 - SPACING $\pm 1"$
 - CLEARANCE $\pm 1/4"$
15. CONCRETE SHALL BE "CONCRETE, CLASS B".
16. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" BY 1".
17. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF DECK BETWEEN DRIP BEADS.
18. THE FOLLOWING TABLE OF ALLOWABLE STRESSES AND WEIGHTS APPLIES TO THESE PLANS FOR DESIGN PURPOSES:

CONCRETE: $f'_c = 3500$ PSI	$f_o = 1400$ PSI
GRADE 60	
REINFORCING STEEL: $f_y = 24,000$ PSI	$f'_s = 20,000$ PSI
SOIL: UNIT WEIGHT 140 PCF	
19. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL AND ARE GIVEN AT 68 DEGREES F.
20. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONDUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
21. ALL ON-PROJECT SIGNING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.
22. THE EXISTING GUARD RAIL AND GUIDE POSTS SHALL BE REMOVED USING THE ITEMS "REMOVAL AND DISPOSAL OF GUARD RAIL". THE GUARD RAIL REMOVED SHALL REMAIN THE PROPERTY OF THE TOWN OF PLAINFIELD, AND SHALL BE STORED ON THE PROJECT FOR REMOVAL BY THE TOWN.
23. STAGE CONSTRUCTION WILL BE REQUIRED ON ABUTMENT #1 BECAUSE WINGWALL #1 CAN NOT BE BUILT WHILE MAINTAINING TRAFFIC ON THE TEMPORARY DETOUR. THE ITEM "TEMPORARY STEEL SHEET PILING" SHALL BE USED TO RETAIN FILLS NECESSARY FOR THIS STAGE CONSTRUCTION. THE LOCATION OF THE TEMPORARY STEEL SHEET PILING SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
24. NEITHER BORINGS NOR ANY OTHER TYPE OF SUBSURFACE INVESTIGATION HAS BEEN CONDUCTED ON THIS PROJECT. LEDGE AND/OR BOULDERS MAY OR MAY NOT BE ENCOUNTERED DURING THE CONSTRUCTION PROCESS.
25. A SNOW FENCE SHALL BE PLACED ALONG THE CONSTRUCTION LIMITS AS SHOWN ON SHEET 2. THIS FENCE SHALL BE PLACED BEFORE ANY SOIL HAS BEEN DISTURBED AND ALL WORK SHALL BE PERFORMED INSIDE THIS FENCE. PAYMENT SHALL BE CONSIDERED SUBSIDIARY TO OTHER ITEMS IN THE CONTRACT.

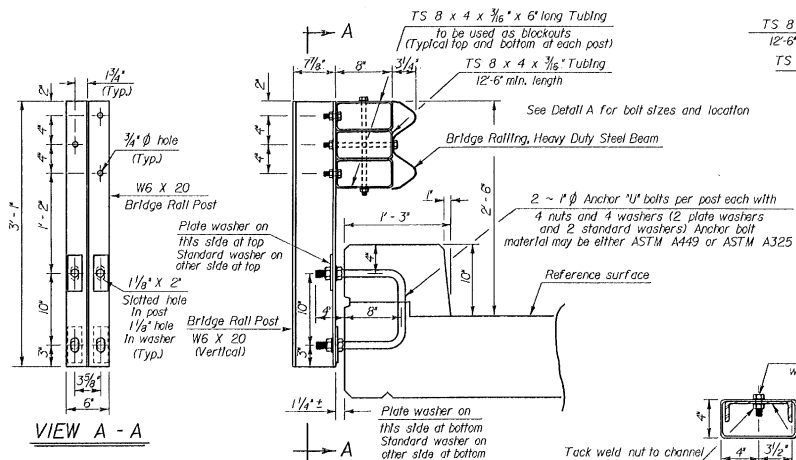
STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town of PLAINFIELD	Bridge No. 12		
Highway No. T.H.2	Log Sta. 540		
GENERAL NOTES			
T.H.2 OVER GREAT BROOK			
Designed By B.ABDULRAHMAN		Drawn By T.A.SUMNER	
Checked By C.P.WILLIAMS	Date 4-90	Bridge Design Supervisor F.W.BOLKIN Date 5-90	
PROJECT PLAINFIELD		PROJECT NO. DSR - 097120	
100% Info. ZH143066/PLAINFLDDCN			
Bridge Sheet No. C10 of C83 Sheet B of 38			



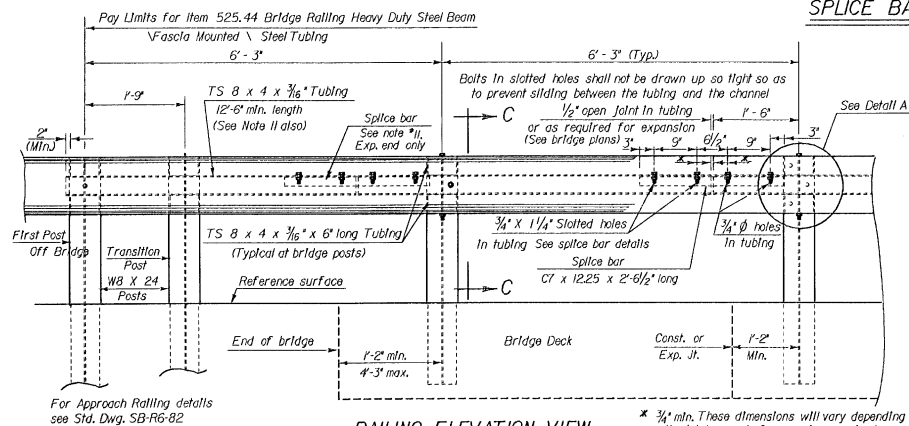
FASCIA AND RAILING DETAIL

SCALE: $\frac{3}{4}" = 1'-0"$

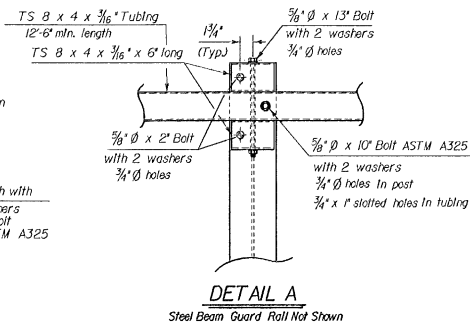
SLAB DETAILS	
T.H.2 OVER GREAT BROOK	
Designed by <u>B.ABBELRAHMAN</u>	Drawn by <u>T.A.SUMNER</u>
Checked by <u>C.P.WILLIAMS</u>	Date <u>4 - 90</u>
PROJECT <u>PLAINFIELD</u>	PROJECT NO. <u>DSR-097120</u>
I.O.C. info. <u>ZH1-30.661PLAINFLD.DGN</u>	
Drawing Sheet No. <u>C11 of C83</u>	Sheet <u>9</u> of <u>38</u>



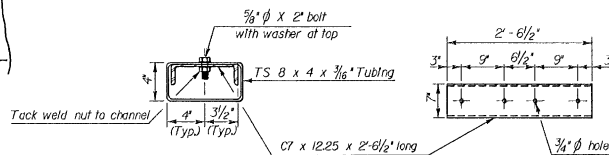
FASCIA MOUNTED WITH CURB



RAILING ELEVATION VIEW
(SHOWN LOOKING FROM C WITHOUT CURB)



DETAIL A
Steel Beam Guard Rail Not Shown



SPICE BAR DETAILS

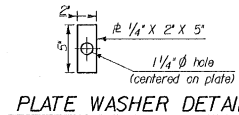
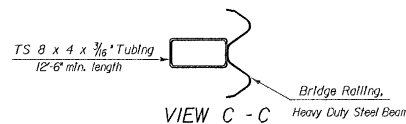


PLATE WASHER DETAIL



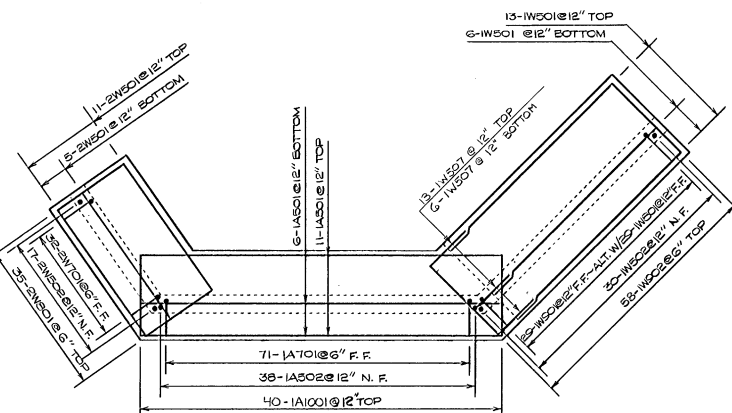
VIEW C - C

NOTES

1. HEAVY DUTY STEEL BEAM GUARD RAIL SHALL CONFORM TO AASHTO M180, CLASS B, TYPE 2.
2. STRUCTURAL STEEL TUBING SHALL CONFORM TO ASTM A500, COLD FORMED, GRADE B GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (AASHTO M111).
3. ANCHOR BOLTS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 (AASHTO M232) AND SHALL CONFORM TO VT. SPECIFICATION 714.07.
4. BRIDGE RAIL POSTS, PLATE WASHERS AND SPICE BARS SHALL BE AASHTO M270, GR36, GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A123 (AASHTO M111).
5. ALL BOLTS AND RELATED HARDWARE SHALL BE ASTM A307, GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A153 (AASHTO M232) UNLESS OTHERWISE NOTED.
6. SEE STANDARD DRAWING G-1 AND G-1d FOR ADDITIONAL DETAILS CONCERNING GUARD RAIL.
7. SEE STANDARD DRAWING SB-R6-82 FOR APPROACH RAIL DETAILS.
8. ALL POSTS SHALL BE SET NORMAL TO GRADE.
9. SPLICES FOR THE STEEL BEAM GUARD RAIL SHALL LAP IN THE DIRECTION OF TRAFFIC.
10. SEE STANDARD DRAWING G-1 FOR DETAILS OF DELINEATORS. A DELINEATORS SHALL BE LOCATED AT EVERY FIFTH POSTS. PAYMENT SHALL BE SUBSIDIARY TO OTHER ITEMS.
11. A RAILING JOINT SPICE SHALL BE PROVIDED AT EACH SUPERSTRUCTURE EXPANSION JOINT.
12. ALL FIELD CUT OR DRILLED AREAS SHALL BE COATED WITH ZINC RICH PAINT.

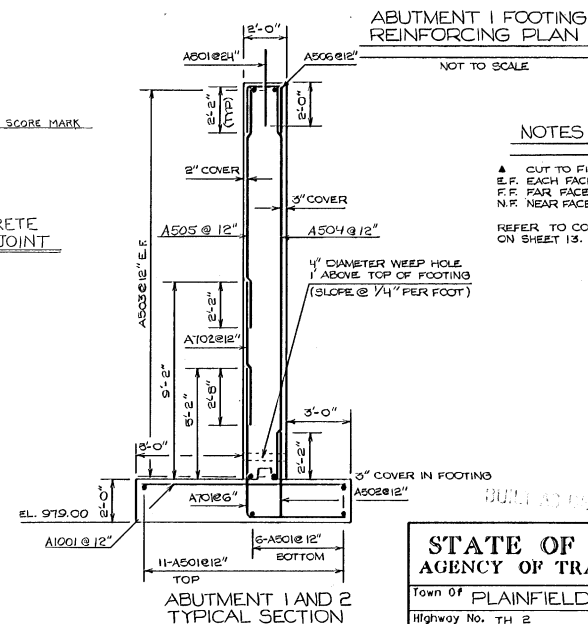
STATE OF VERMONT AGENCY OF TRANSPORTATION

Town of	PLAINFIELD	Bridge No.	B12
Highway No.	TH 2	Log Sta.	14-34
TH 2 OVER GREAT BROOK			
BRIDGE RAILING DETAILS			
Designed By	B. ARCEL	Drawn By	WILLIAMS
Checked By	P. PROVOST	Bridge Design Supervisor	F. BOLKUM
PROJECT	PLAINFIELD	PROJECT NO.	DSR 091120
I.O.C. info. ZH1430.463050507120.DGN PLAINFIELD			



TYPICAL CONCRETE
CONSTRUCTION JOINT

NO SCALE



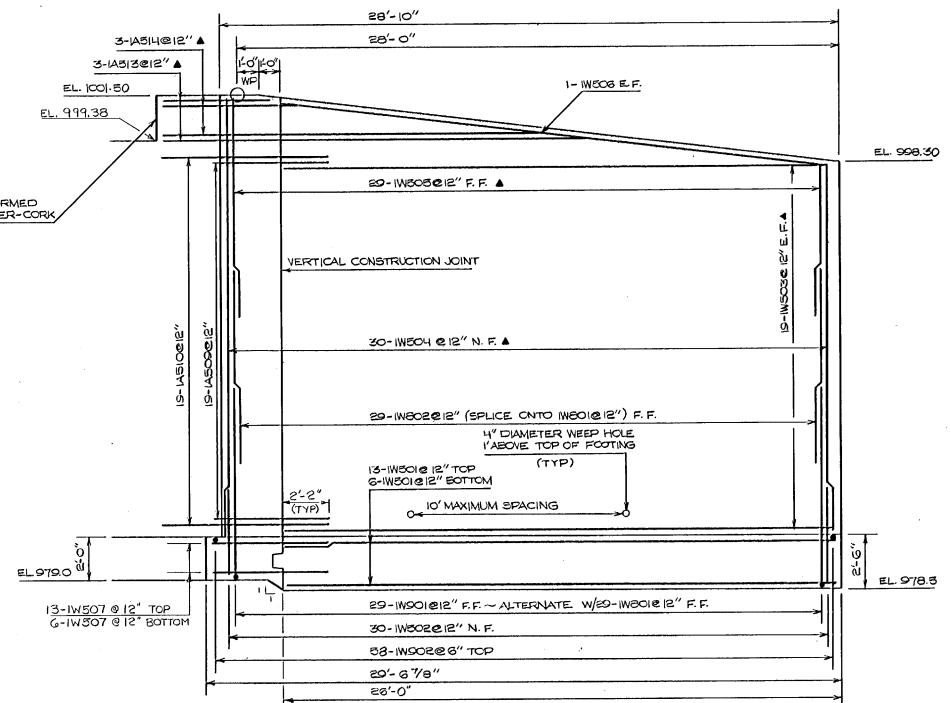
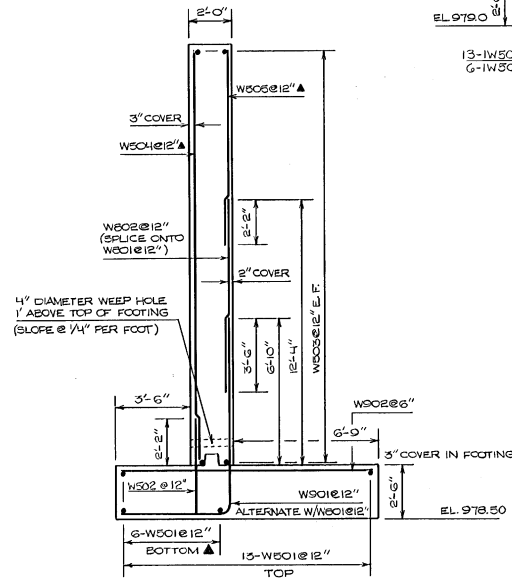
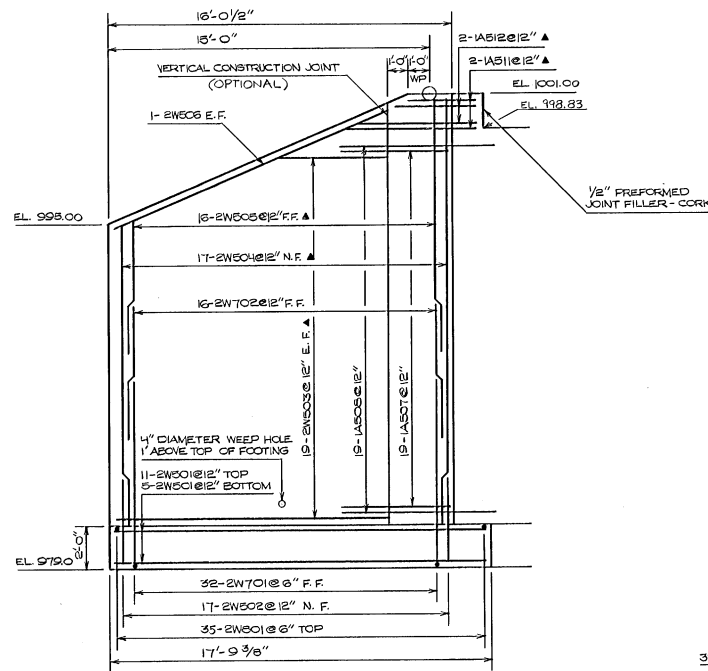
▲ CUT TO FIT IN FIELD
E.F. EACH FACE
F.F. FAR FACE
N.F. NEAR FACE

REFER TO CORNER DETAILS
ON SHEET 13.

BUILT AS DESIGNED

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town OF	PLAINFIELD	Bridge No. 12
Highway No. TH 2		Log Sta. Surv. Sta. 14 + 54
ABUTMENT NO. 1 DETAILS		
TH 2 OVER GREAT BROOK		
Designed By B. ABDELRAHMAN	Drawn By K. CLAIRMONT	
Checked By Date	Bridge Design Supervisor	
B. ABDELRAHMAN 3-90		Date
PROJECT	PLAINFIELD	PROJECT NO. DSR 097120
I.O.C. info.		
Bridge Sheet No. C13 OF C85	Sheet 11 of 38	

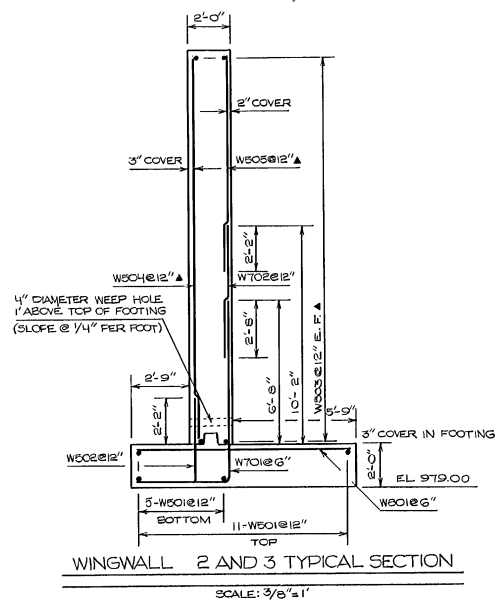
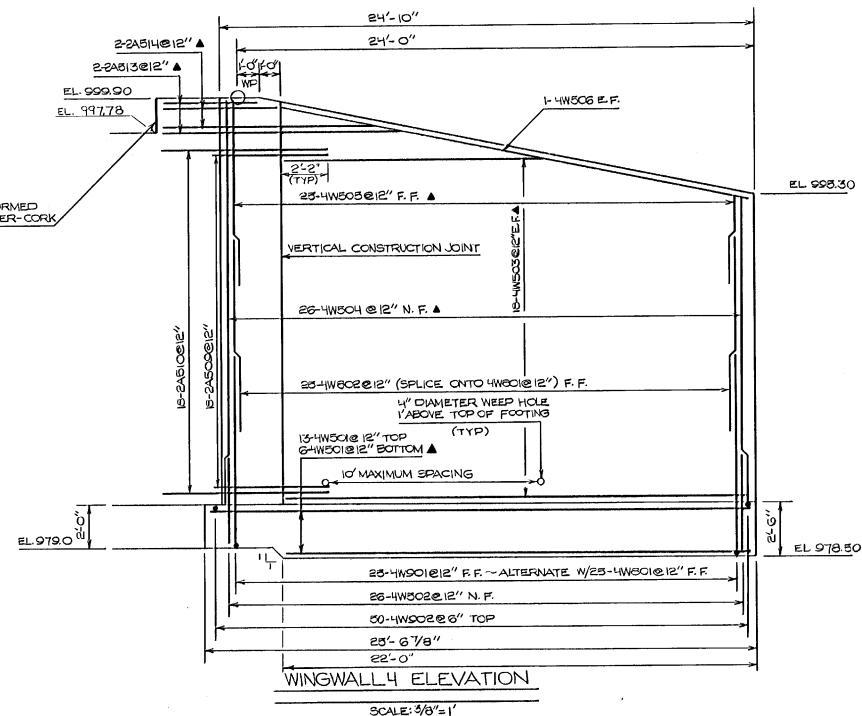
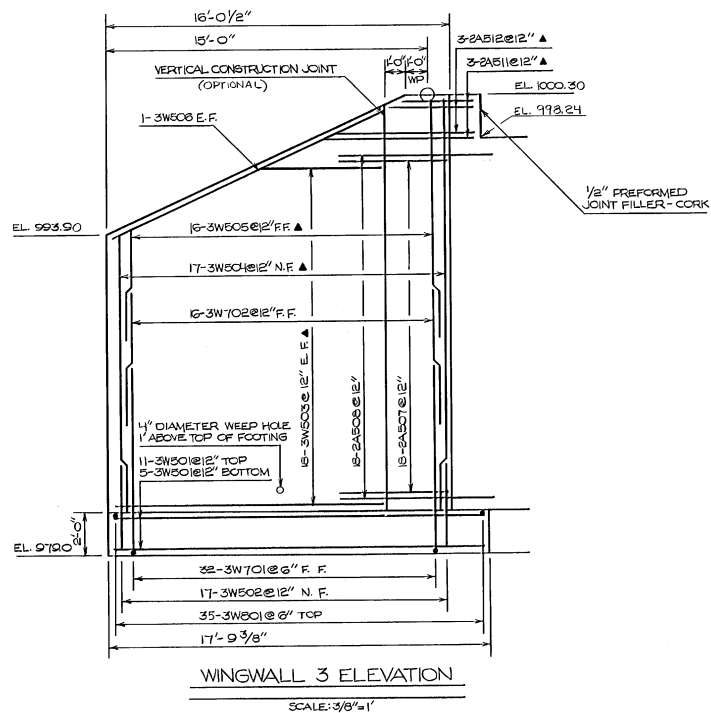


NOTES

▲ CUT TO FIT IN FIELD
E.F. EACH FACE
F.F. FAR FACE
N.F. NEAR FACE

REFER TO TYPICAL SECTION OF WINGWALL 2 ON SHEET 14.

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	PLAINFIELD	Bridge No.	12
Highway No.	TH 2	Log Sta.	
		Surv. Sta.	14+34
WINGWALL NO. 1 AND NO. 2 DETAILS TH 2 OVER GREAT BROOK			
Designed By B. ABDELRAHMAN Drawn By K. CLARIMONT			
Checked By	Date	Bridge Design Supervisor	Date
B. ABDELRAHMAN	5-20		
PROJECT	PLAINFIELD	PROJECT NO.	DSR 097120
I.G.C. Info.			
Bridge Sheet No. C14 of C83 Sheet 12 of 28			



NOTES

▲ CUT TO FIT IN FIELD
E.F. EACH FACE
F.F. FAR FACE
N.F. NEAR FACE

REFER TO TYPICAL SECTION OF WINGWALL 4 ON SHEET 12.

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	PLAINFIELD	Bridge No.	12
Highway No.	TH. 2	Log Sta.	
		Surv. Sta.	14+34
WINGWALL NO. 3 AND NO. 4 DETAILS TH 2 OVER GREAT BROOK			
Designed By	B. ABDELRAHMAN	Drawn By	K. CLAIRMONT
Checked By	B. ABDELRAHMAN	Date	3-50
		Bridge Design Supervisor	
PROJECT	PLAINFIELD	PROJECT NO.	DSR 097120
I.D.C. Info.			
Bridge Sheet No. C16 OF C83 Sheet 14 of 38			

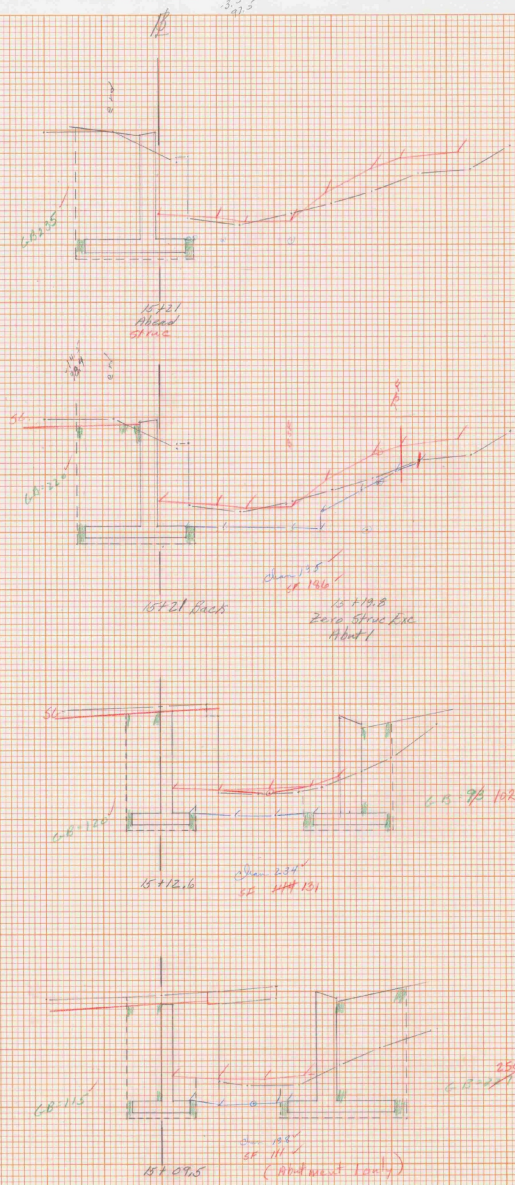
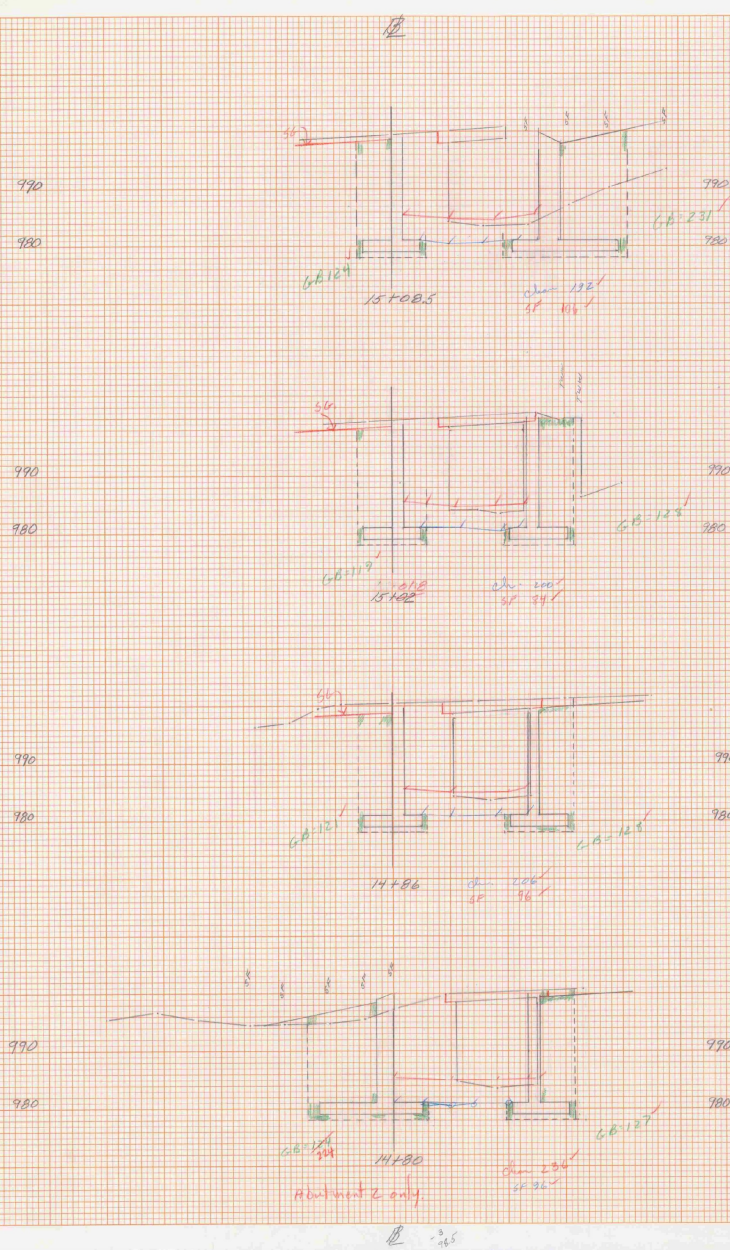
 IF I SURVIVE NOTE BOOK	SUBMITTED	\$7	DATE
	PLOTTED		
	TITLE PAGE		
	ARTS		
	ARTS		

Plainfield DSR097120
Revised Channel Sections
Survey 4/8/91 Stevens

Sheet 1 of

DATE	
BY	
CHECKED BY	
DESIGNED BY	
NOTED BY	
NO.	

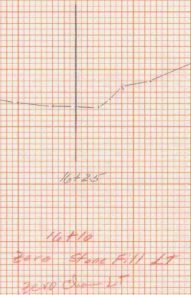
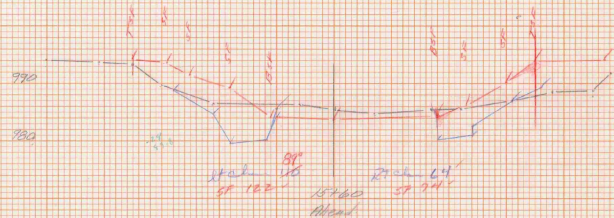
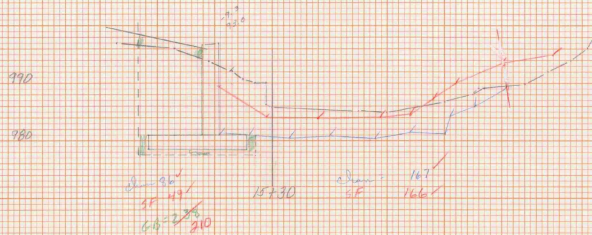
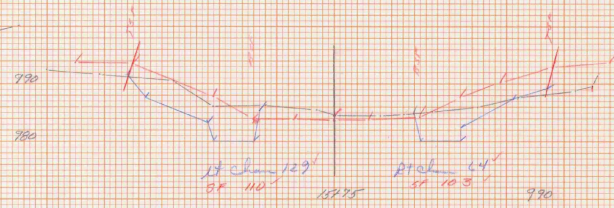
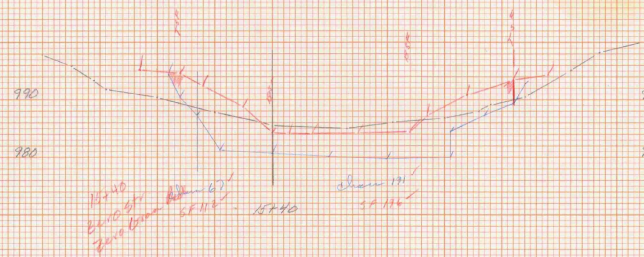
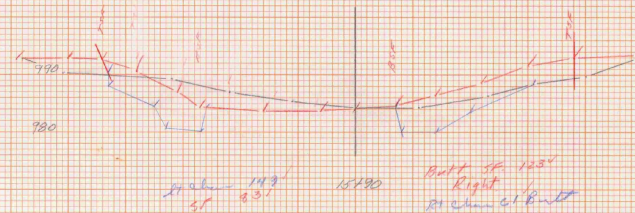
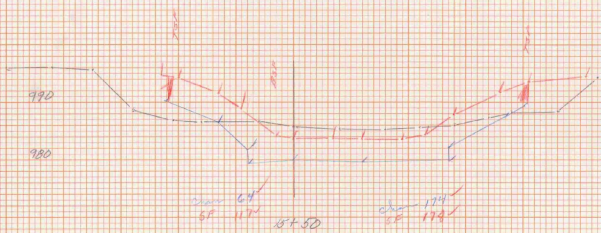
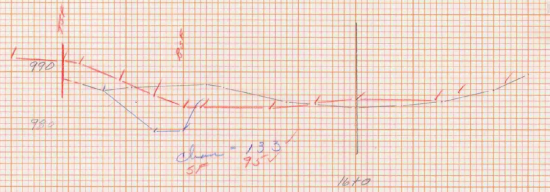
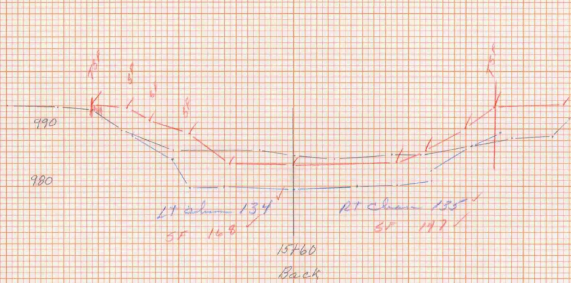
DATE	
BY	
CHECKED BY	
DESIGNED BY	
NOTED BY	
NO.	



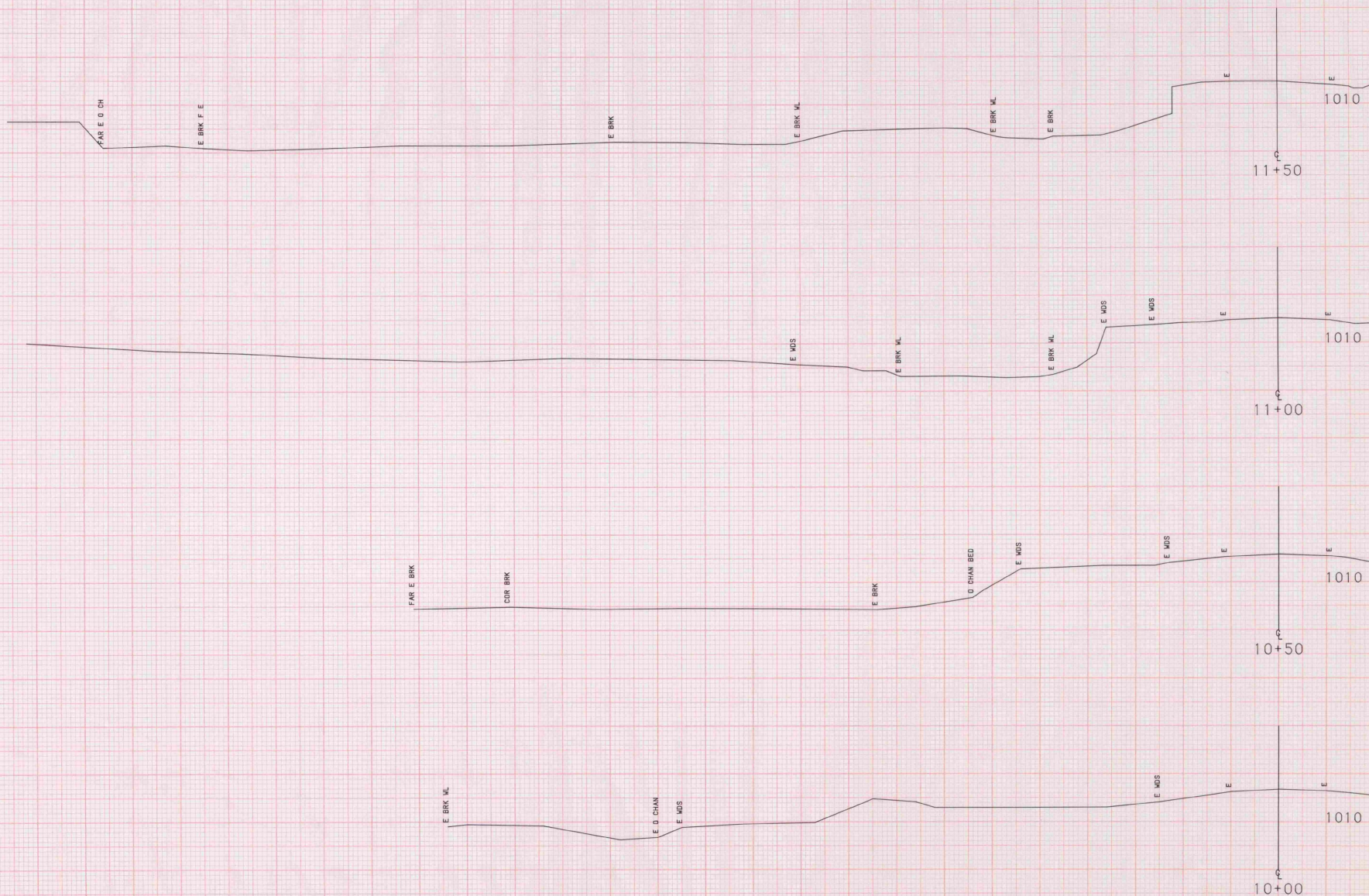
Plainfield DSR 097120
Revised Channel Sections
Survey 4/8/91 Shaws

DATE	
BY	
PROJECT	
NO.	
FINAL SURVEY	
NOTE BOOK	

DATE	
BY	
PROJECT	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	



PLAINFIELD DSR097120
Revised Channel Sections



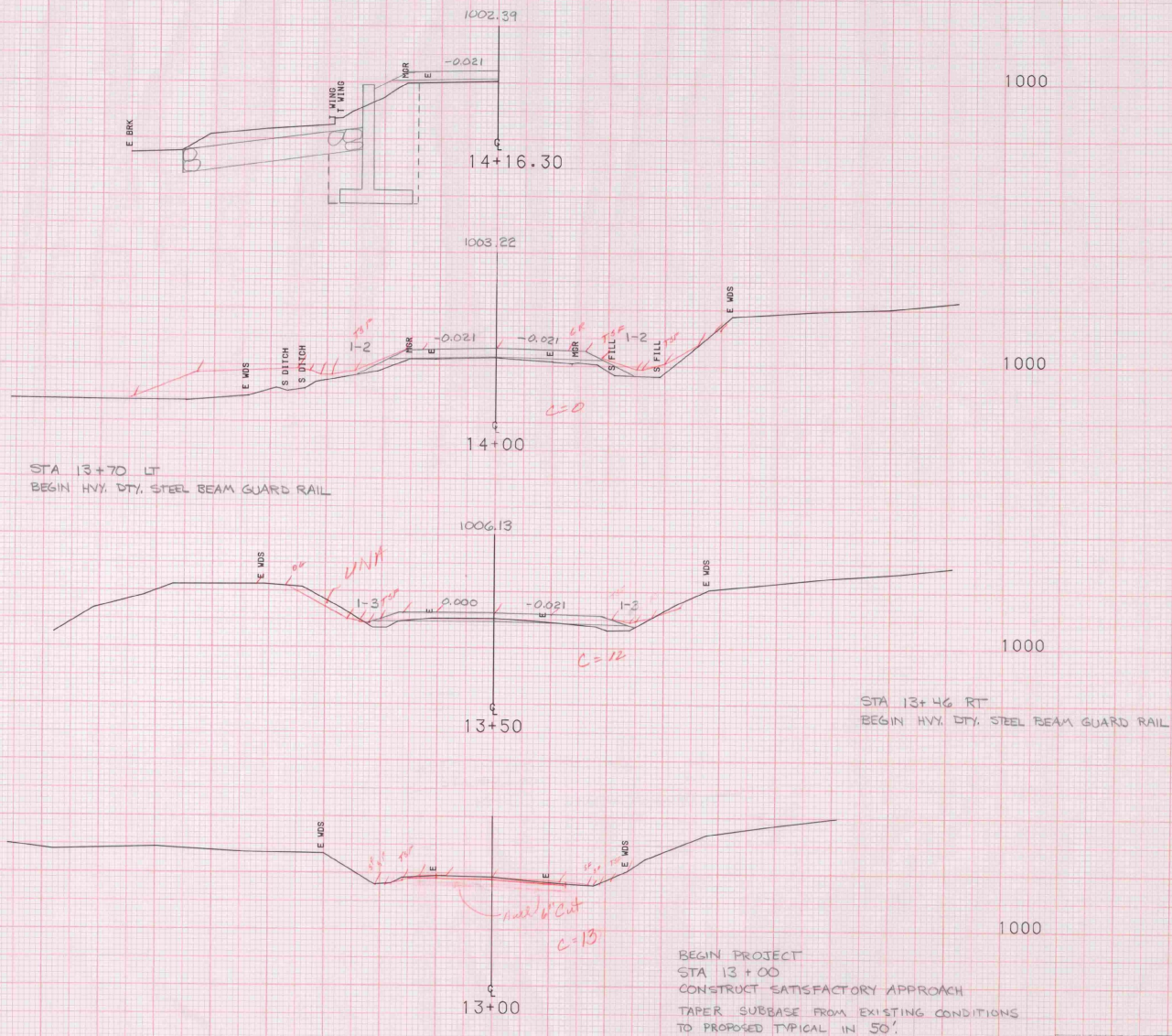
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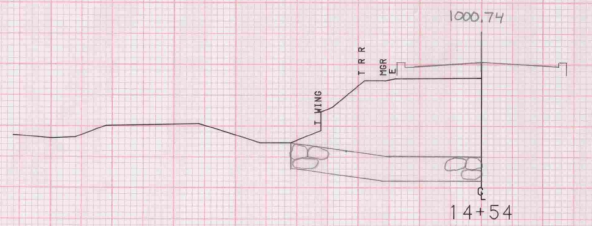
FROM STA.	10+00	TO STA.	11+50
PROJECT NAME	PLAINFIELD HI		
NO.			
SURVEYED BY	GILMAN	08/89	0250
SHEET 16 OF 30 SHEETS	PLOTTED 09/11/89		



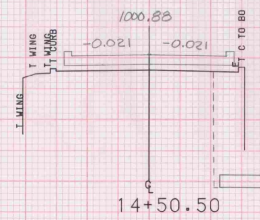
FROM STA. 12+00	TO STA. 13+00
PROJECT NAME PLAINFIELD MI	PLOTTED 09/11/89
NO. 1	08/89 0250
SURVEYED BY GILMAN	CD P.C.A.S.
SHEET 17 OF 32 SHEETS	

SCALE 10 FEET

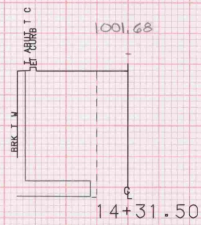




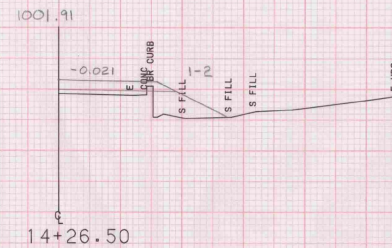
990



990



990

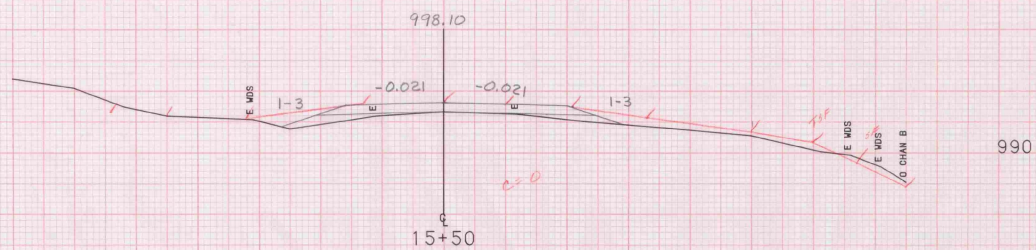
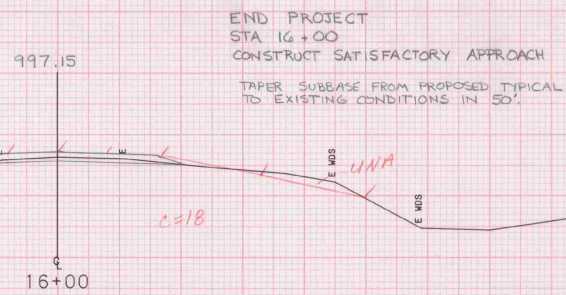


990

BEGIN BRIDGE
STA. 14+40

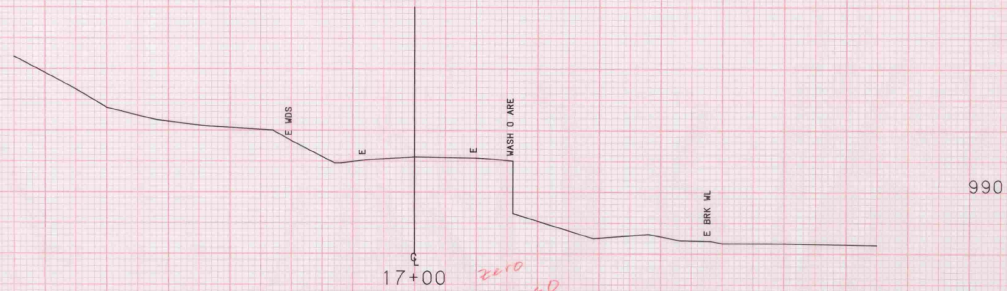
FROM STA.	14+26.50	TO STA.	14+54
PROJECT NAME	PLAINFIELD MI		
NO.			
SURVEYED BY	GILMAN		
SHEET	14 OF 36 SHEETS	08/89	0250
	C21 & C22		

SCALE 1" = 10 FEET



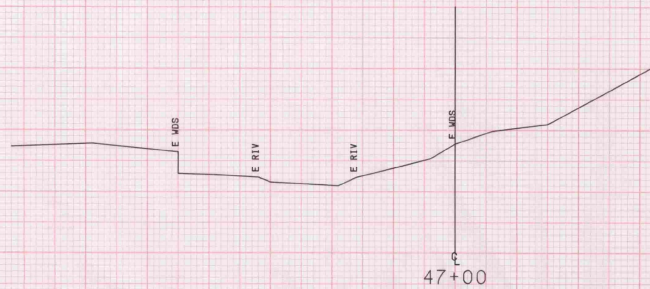
FROM STA.	15+50	TO STA.	16+50
PROJECT NAME	PLAINFIELD MI	NO.	
SURVEYED BY	GILMAN	PLOTTED	09/26/89
SHEET	21 OF 38 SHEETS	08/89	0250

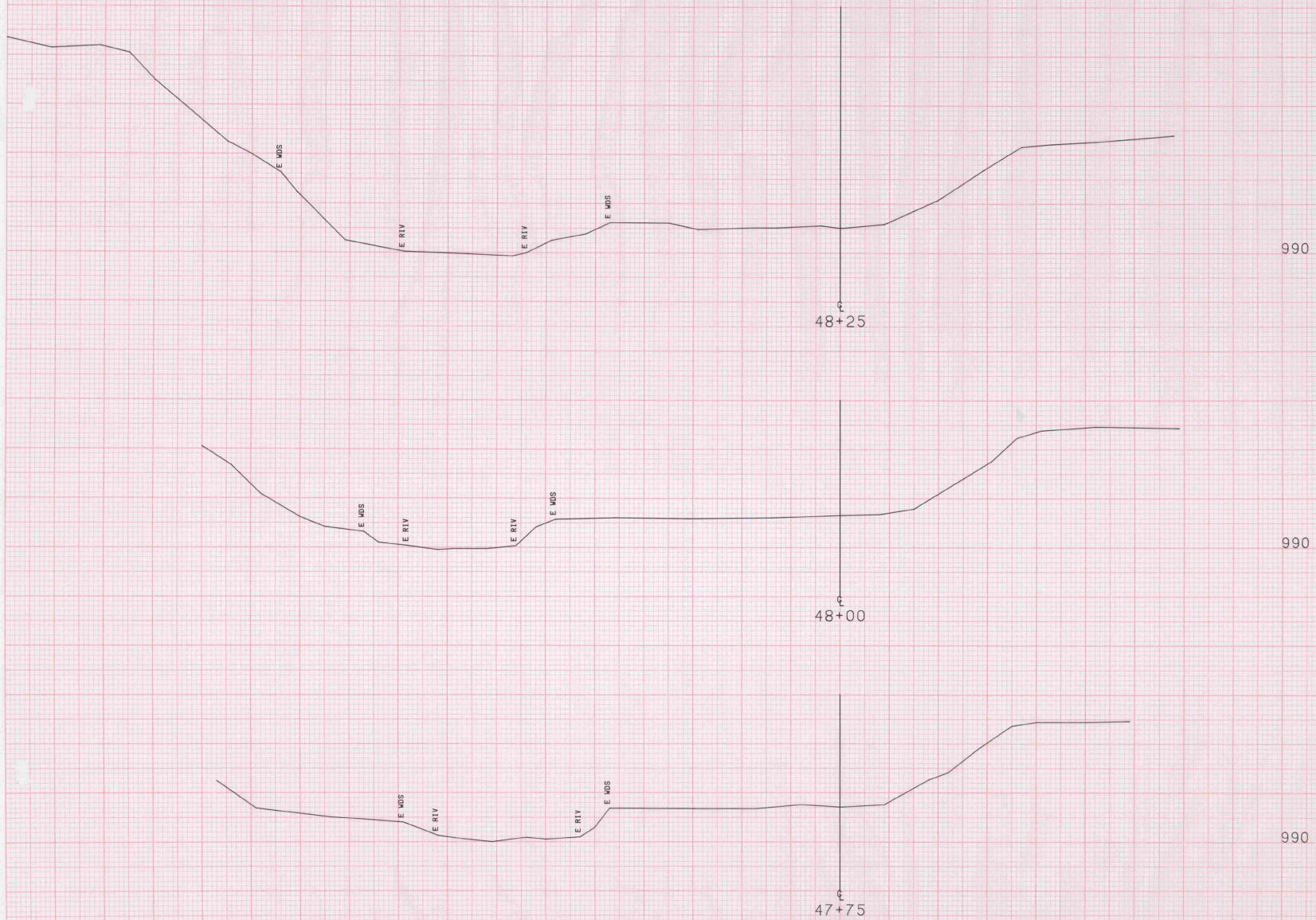
SCALE 1" = 10 FEET



FROM STA.	17+00	TO STA.	18+00
PROJECT NAME	PLAINFIELD HI		
NO.			
SURVEYED BY	GILMAN	PLOTTED	09/26/89
SHEET	22 OF 35	SHEETS	C24 OF C84

SCALE 1" = 10 FEET





FROM STA. 47+75	TO STA. 48+25
PROJECT NAME	PLAINFIELD CHAN
NO.	
SURVEYED BY	GILMAN
SHEET 24 OF 25 SHEETS	08/89 0250
	PLOTTED 09/26/89

SCALE 10 FEET



49+10

49+03

49+00

980

980

980

E RIV

E RIV

CL TH 2

4'-0" STONE FILL TYPE IV

LIMITS OF UNCLASSIFIED CHANNEL EXCAV.

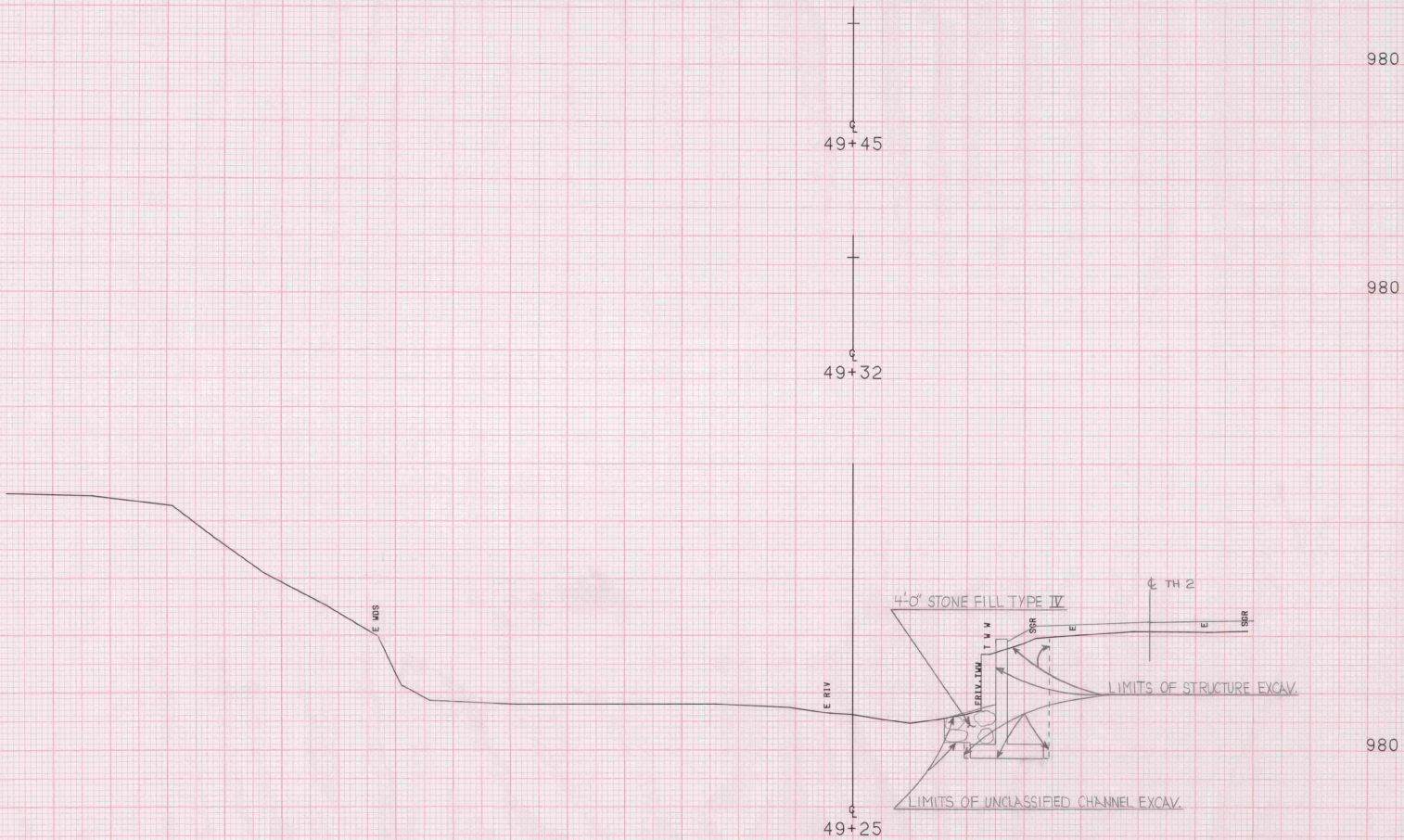
STA 48+96 - RIGHT SIDE OF CHANNEL

BEGIN STONE FILL, TYPE IV
BEGIN UNCL. CHANNEL EXCAVATION
BEGIN GRUBBING MATERIAL
BEGIN GEOTEXTILE FILTER FABRIC

NOTE:
SEE TYPICAL CHANNEL SECTION
ON SHEET 3 FOR DETAILS OF:
- STONE FILL, TYPE IV
- LIMITS OF UNCL. CHAN. EXCAV.
- GRUBBING MATERIAL
- GEOTEXTILE FABRIC FOR FILTERS

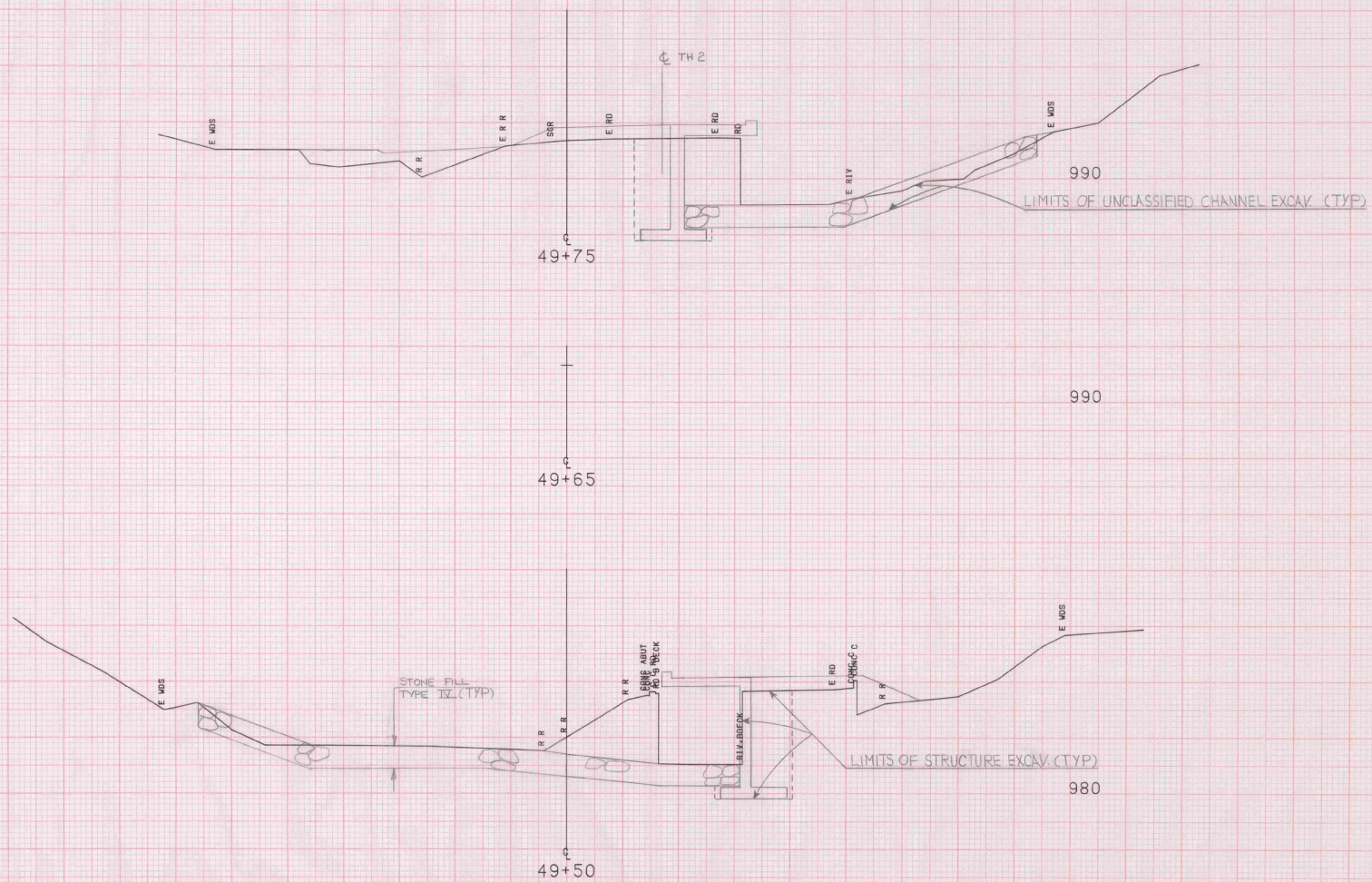
FROM STA.	49+00	TO STA.	49+10
PROJECT NAME	PLAINFIELD CHAN		
NO.			
SURVEYED BY	GILMAN	PLOTTED	09/26/89
SHEET	26 OF 36	SHEETS	C&G OF CES

SCALE 1" = 10 FEET

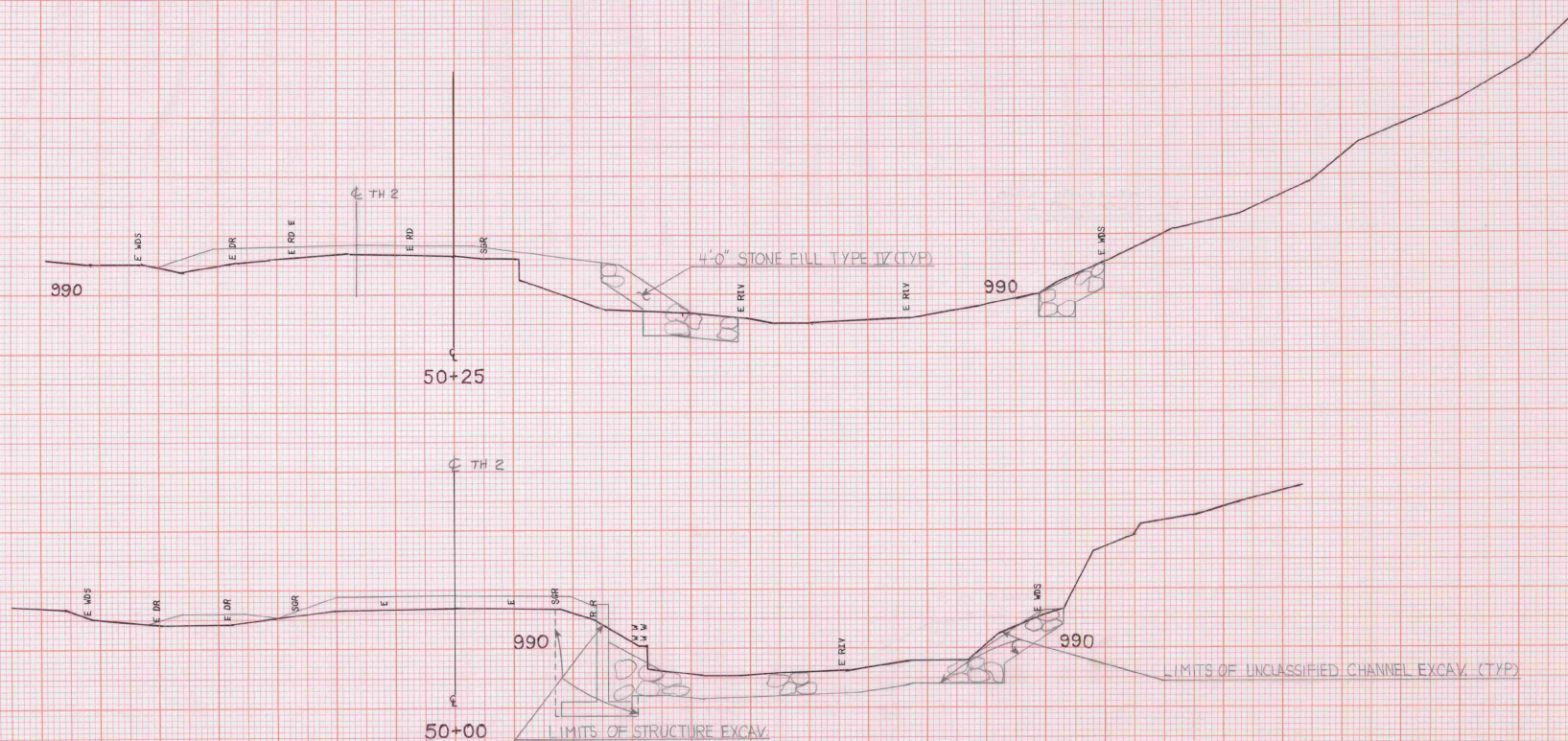


FROM STA.	49+25	TO STA.	49+45
PROJECT NAME	PLAINFIELD CHAN		
NO.			
SURVEYED BY	GILMAN	PLOTTED	09/26/89
SHEET	27 OF 35	SHEETS	08/89 0250

SCALE 1" = 10 FEET



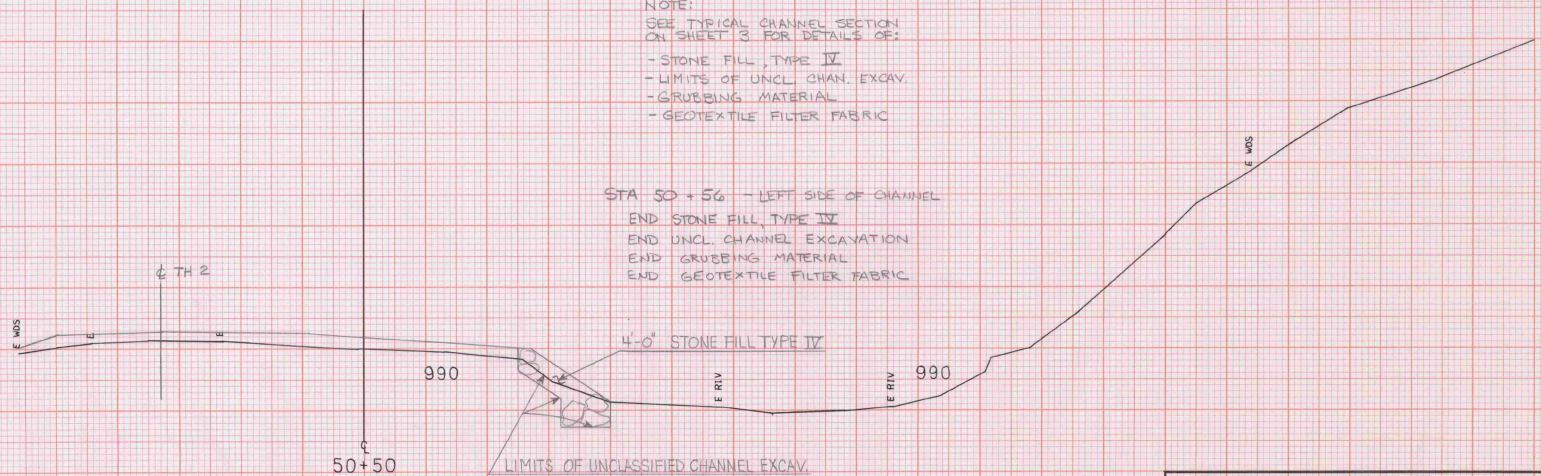
FROM STA.	49+50	TO STA.	49+75
PROJECT NAME	PLAINFIELD CHAN		
NO.			
SURVEYED BY	GILMAN	PLOTTED	09/26/89
SHEET	22 OF 35	SHEETS	CSO OF CSO



FROM STA. 50+00 TO STA. 50+25
 PROJECT NAME PLAINFIELD CHAN
 NO. 08/88 0290
 SURVEYED BY GILMAN
 SHEET 29 OF 38 SHEETS
 C31 OF C33

NOTE:
SEE TYPICAL CHANNEL SECTION
ON SHEET 3 FOR DETAILS OF:
- STONE FILL, TYPE IV
- LIMITS OF UNCL. CHAN. EXCAV.
- GRUBBING MATERIAL
- GEOTEXTILE FILTER FABRIC

STA 50+56 - LEFT SIDE OF CHANNEL
END STONE FILL, TYPE IV
END UNCL. CHANNEL EXCAVATION
END GRUBBING MATERIAL
END GEOTEXTILE FILTER FABRIC



SCALE
10 FEET

FROM STA.	50+50	TO STA.	50+50
PROJECT NAME	PLAINFIELD CHAN		
NO.		PLOTTED	09/12/89
SURVEYED BY	GILMAN	08/89	0250
SHEET 30 OF 30 SHEETS			
C22 OF C83			

50+75
Q
390
C TH 2

E BRK WL

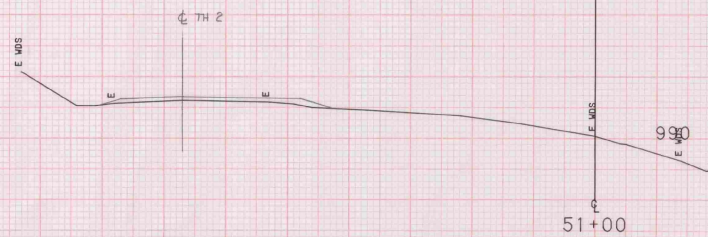
E BRK WL

E WDS

SCALE
10 FEET

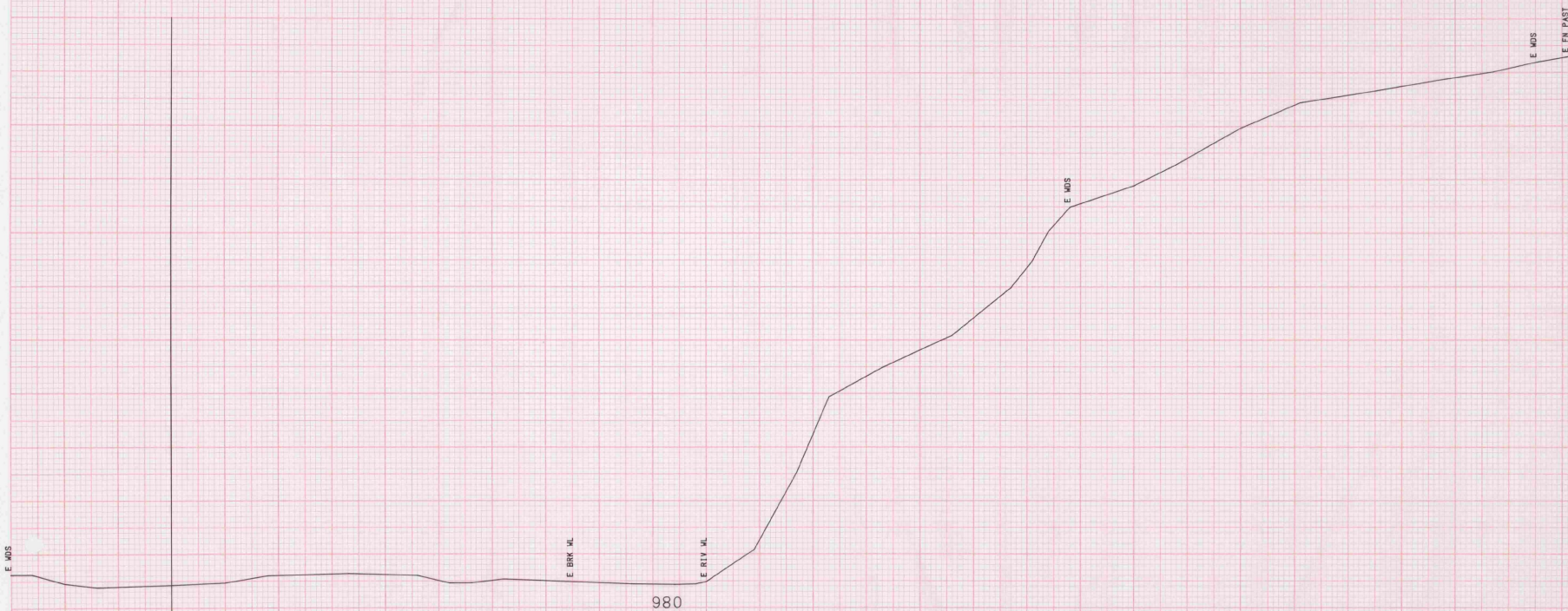
FROM STA.	50+75	TO STA.	50+75
PROJECT NAME	PLAINFIELD CHAN		
NO.			
SURVEYED BY	GILMAN	08/89	0250
SHEET	31 OF 38 SHEETS		
C83 OF C83			

980
51+15



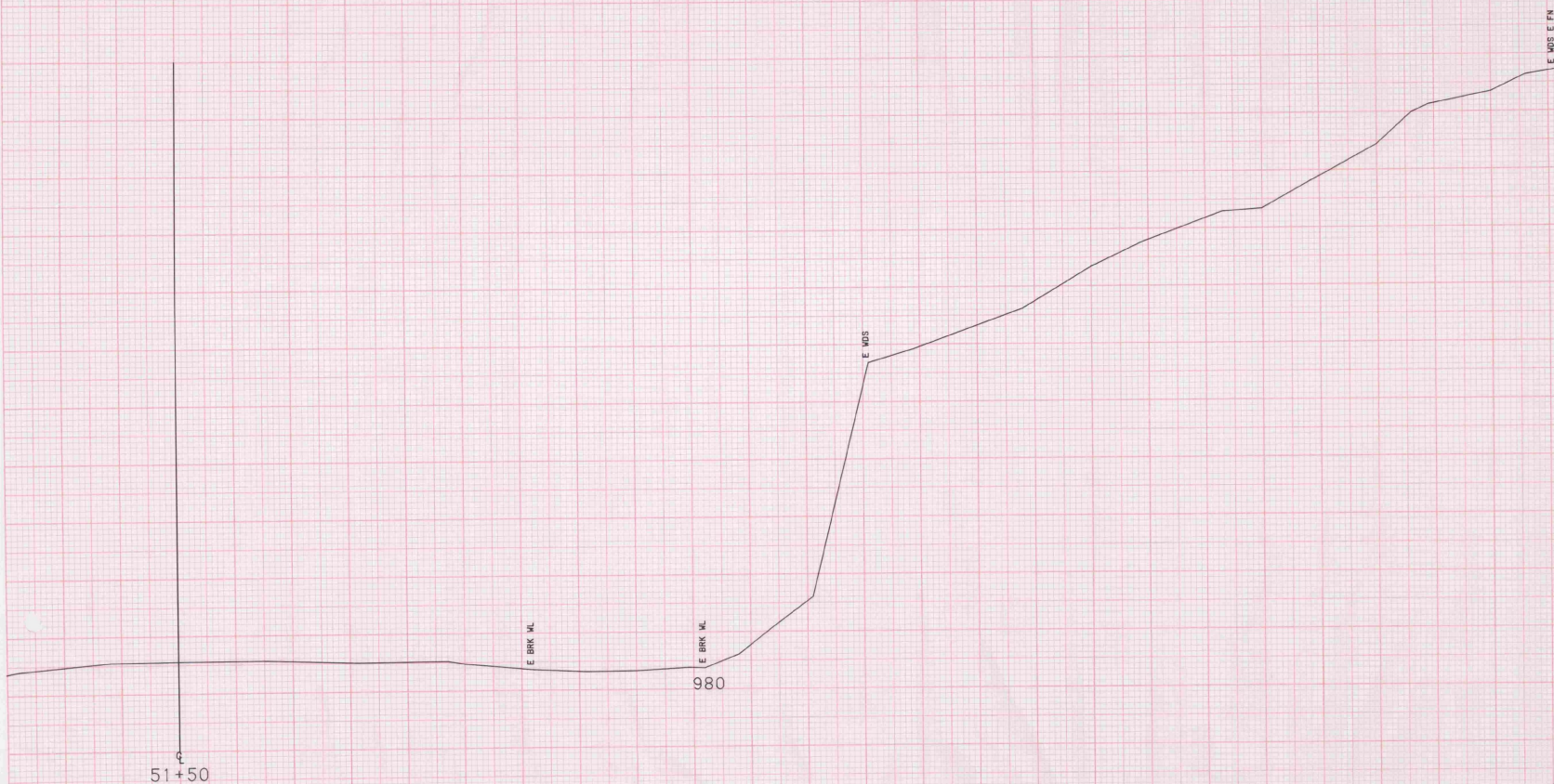
SCALE 10 FEET

FROM STA. 51+00	TO STA. 51+15
PROJECT NAME PLAINFIELD CHAN	
NO.	
SURVEYED BY DILMAN	PLOTTED 09/12/89
SHEET 32 OF 39 SHEETS	639 OF 639



FROM STA.	51+25	TO STA.	51+25
PROJECT NAME	PLAINFIELD CHAN		
NO.			
SURVEYED BY	GILMAN	PLOTTED	09/12/89
SHEET	33 OF 36	DATE	08/89 0250
		SHEETS	63 OF 69

SCALE 10 FEET

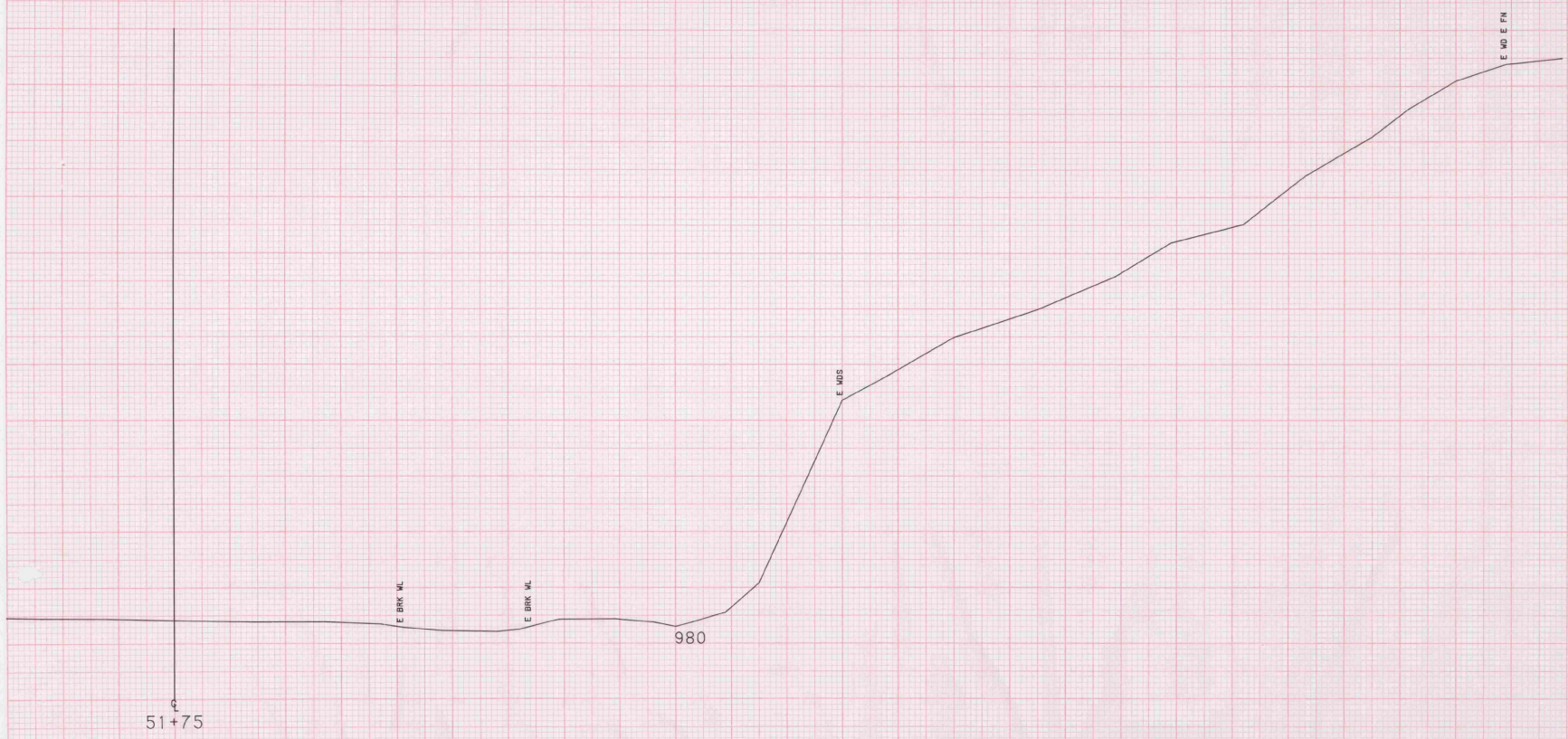


51+50

980

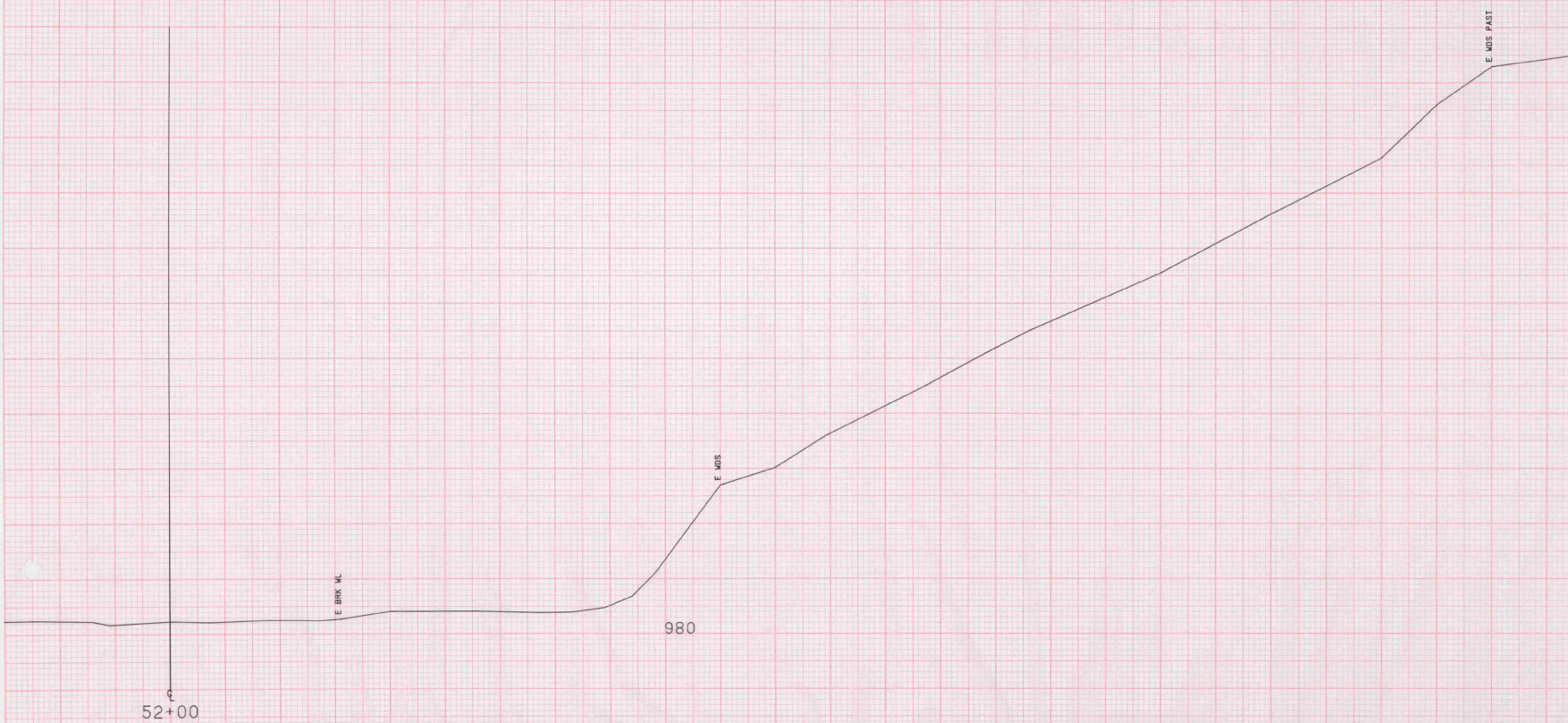
SCALE 1" = 10 FEET

FROM STA.	51+50	TO STA.	51+50
PROJECT NAME	PLAINFIELD CHAN		
NO.		PLOTTED	09/12/89
SURVEYED BY	GILMAN	08/89	0250
SHEET	34 OF 35	SHEETS	026 OF 026



FROM STA. 51+75	TO STA. 51+75
PROJECT NAME PLAINFIELD CHAN	NO.
SURVEYED BY GILMAN	08/89 0250
SHEET 25 OF 25	SHEETS 251 OF 251
PLOTTED 09/12/89	

SCALE 10 FEET



52+00

980

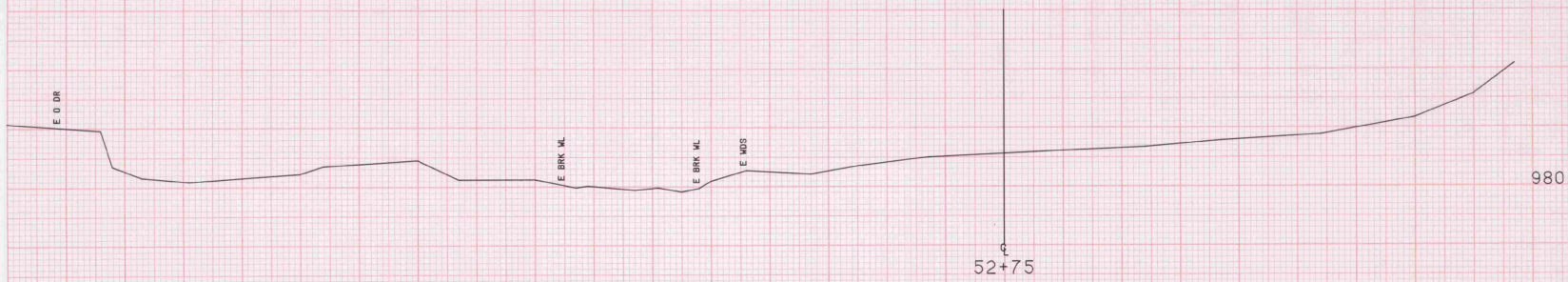
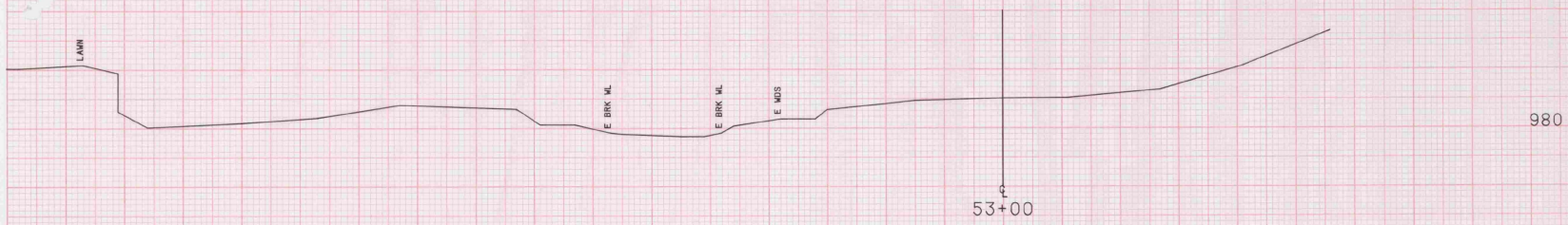
E BRK AL

E WS

E WS PAST

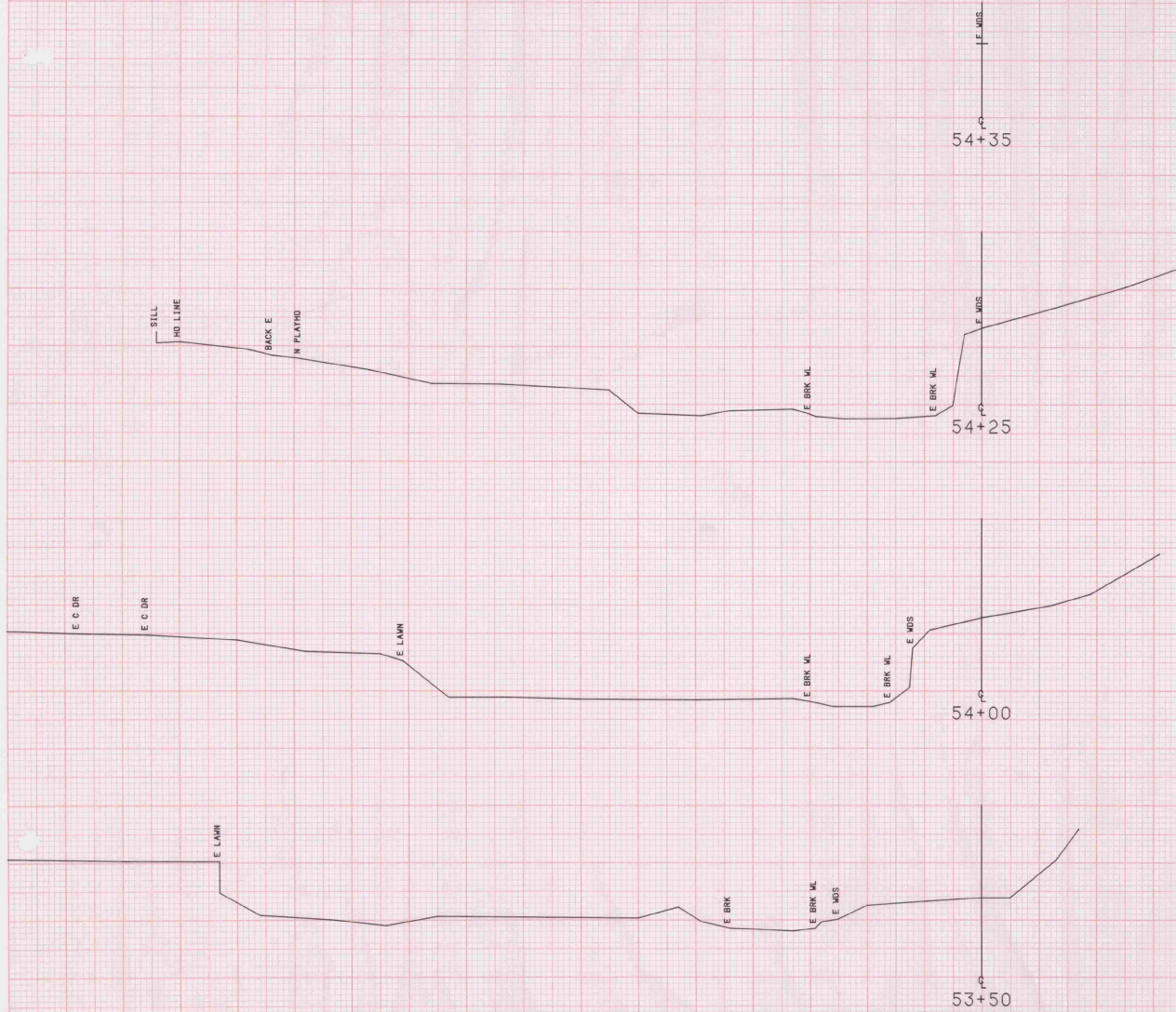
SCALE 10 FEET

FROM STA. 52+00	TO STA. 52+00
PROJECT NAME PLAINFIELD CHAN	
NO.	
SURVEYED BY GILMAN	PLOTTED 09/12/89
SHEET 30 OF 30 SHEETS	08/89 0250



FROM STA. 52+50 TO STA. 53+00
PROJECT NAME PLAINFIELD CHAN
NO. NO.
SURVEYED BY GILMAN
SHEET 37 OF 38 SHEETS 08/89 0250
PLOTED 09/26/89

SCALE 10 FEET



990

990

990

980

FROM STA. 53+50	TO STA. 54+35
PROJECT NAME PLAINFIELD CHAN	NO.
SURVEYED BY GILMAN	08/89 0250
SHEET 35 OF 38	SHEETS C40 OF C51

SCALE 10 FEET

INDEX OF SHEETS

C1 TITLE SHEET.
 C2 BR 12 & BR 23 QUANTITY SHEET.
 C3-C7 BR 12, PROJECT DSR-097120.
 C8 BLANK
 C9-C40 BR 12, PROJECT DSR 097120
 C41-C45 BR 23, PROJECT DSR 097036
 C46 BLANK
 C47-C83 BR 23, PROJECT DSR 097036

LIST OF STANDARDS

E-100	5/24/89	R
E-101	10/30/89	R
E-102	1/23/89	R R
E-107	4/29/88	R R
E-107A	9/10/87	R R
G-1	10/31/85	R R R
G-1D	10/31/85	R R R
SB-R6-B2	12/13/84	R

RECORD PLANS

CONTRACTOR WINTERSET, INC.
 Lyndonville, VT.

RESIDENT ENGINEER R. Stevens

CONSTRUCTION BEGAN 4/22/91

CONSTRUCTION COMPLETED 10/11/91

RECORD PLANS BY J. Marceill

I hereby certify that all the construction required by this set of drawings has been accomplished as indicated herein.

By Robert Stevens Resident Engineer

Date 9/24/92

NOTE: Any further information concerning final quantities, amounts or other details relative to this project may be found on microfiche in Central Files.

STATE OF VERMONT
 AGENCY OF TRANSPORTATION



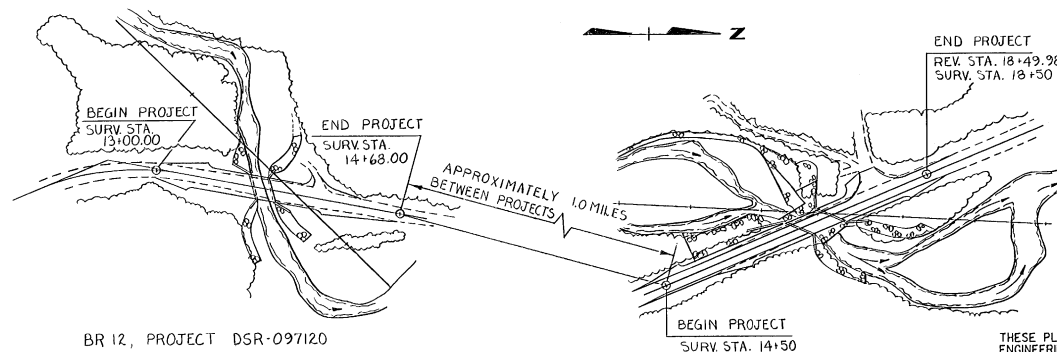
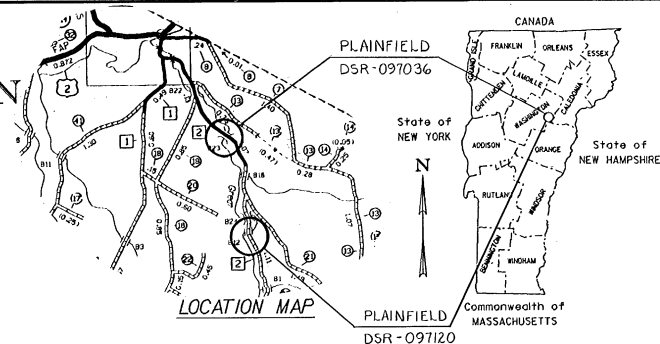
PROPOSED IMPROVEMENT
 BRIDGE PROJECT

TOWN OF PLAINFIELD BUILT AS DESIGNED

COUNTY OF WASHINGTON

ROUTE NO : CLASS 2, TH2 BRIDGE NO : 12

ROUTE NO : CLASS 2, TH2 BRIDGE NO : 23



CONVENTIONAL SIGNS

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

DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

0 40 120
 SCALE

BUILT AS DESIGNED

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD
 APPROVED James D. MacArthur DATE 5/29/92
 DIRECTOR OF PLANNING & PRECONSTRUCTION

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 1986, FOR USE ON THESE PROJECTS, INCLUDING ALL SUBSEQUENT PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

PROJECT PLAINFIELD
 PROJECT NO. DSR-097120, DSR-097036
 SHEET C1 OF C83 SHEETS

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

NO.	ITEM	UNIT	BRIDGE 12					QUANTITY BREAKDOWN					BRIDGE 23					TOTAL	TOTAL	TOTAL	FINAL
			ABUT #1	ABUT #2	SUPER-STRUCTURE	ROADWAY	CHANNEL	ABUT #1	ABUT #2	SUPER-STRUCTURE	ROADWAY	CHANNEL	APPROACH SLABS	BRIDGE #12	BRIDGE #23						
203.15	COMMON EXCAVATION	CY				60						1,240		60	1,240	1,300					
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY					1,330					2,970		1,330	2,970	4,300					
203.30	EARTH BORROW (ESTIMATE)	CY										10			10	10					
203.40	FINE GRADING SUBGRADE	SY										1,600			1,600	1,600					
204.25	STRUCTURE EXCAVATION	CY	360	260				160	710					620	1,470	2,090					
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	210	170				675	465					380	1,140	1,520					
301.15	SUBBASE OF GRAVEL	CY				380						1,030		380	1,030	1,410					
401.10	AGGREGATE SURFACE COURSE	CY				190						6		190	6	196					
406.25	BITUMINOUS CONCRETE PAVEMENT	TGN										250			250	250					
501.21	CONCRETE CLASS "AA"	CY								30					30	30					
501.25	CONCRETE CLASS "B"	CY	188	161	45			343	242				52	394	637	1,031					
501.58	MORTAR, TYPE IV	CY						0.2	0.3	0.5					1	1					
505.36	TEMPORARY STEEL SHEET PILING	SF			1,500									1,500		1,500					
507.15	REINFORCING STEEL	LBS	20,220	18,720				52,450	36,610				0,480	38,940	99,540	138,480					
507.17	EPOXY COATED REINFORCING STEEL	LBS			8,420					1,750				8,420	1,750	10,170					
510.20	PRESTRESSED CONCRETE MEMBER (VOIDED SLAB 48"W x 21"D x 55"L)	EACH								7					7	7					
514.10	WATER REPELLANT	GAL	13	12	8			17	13	5				33	35	68					
519.20	SHEET MEMBRANE WATERPROOFING	SY								165					165	165					
524.10	JOINT SEALER - HOT POURED	GAL						4	1						5	5					
525.44	BRIDGE PILING - HDSB / FASCIA MOUNTED / STEEL TUBING	LF			63					113				63	113	176					
528.10	ONE-WAY TEMPORARY BRIDGE # DSR 09/120	LS				1								1		1					
528.10	ONE-WAY TEMPORARY BRIDGE # DSR 07/136	LS													1	1					
528.15	REMOVAL OF STRUCTURE	EACH																			
529.20	PARTIAL REMOVAL OF STRUCTURE	EACH				1								1		1					
601.0015	18" CSP CGA (2-25X12)	LF										28			28	28					
608.25	ALL PURPOSE EXCAVATOR RENTAL TYPE II	HR				10								10		11					
609.10	DUST CONTROL W/ WATER	MGAL										1			1	1					
613.13	STONE FILL TYPE IV	CY					1,350						2,020	1,350	2,020	3370					
621.21	HEAVY DUTY STEEL BEAM GUARD RAIL	LF				340						448		340	448	788					
621.60	ANCHORS FOR STEEL BEAM GUARD RAIL	EACH				4						4			4	8					
621.80	REMOVAL AND DISPOSAL OF GUARD RAIL	LF				258									258	258					
631.12	FIELD OFFICE - ENGINEERS (MODIFIED)	LS												0.4	0.6	1					
631.16	TESTING EQUIPMENT - CONCRETE	LS												0.4	0.6	1					
631.17	TESTING EQUIPMENT - BITUMINOUS	LS										1			1	1					
635.10	MOBILIZATION	LS												0.4	0.6	1					
646.51	TEMPORARY 4" YELLOW LINE	LF										1000			1,000	1,000					
649.10	GEOTEXTILE FABRIC FOR FILTERS	SY					930						1,900	930	1,900	2,830					
651.40	GRUBBING MATERIAL	SY					400						1,050	400	1,050	1,450					

BRIDGE (S) AT STATION (S) <u>BRIDGE 12 @ STA 14+54 / BRIDGE 23 @ PREV. STA 16+85</u>		Prepared by: <u>C.T. MOYNE</u>	Checked by: <u>K. CLAYMONT</u>	PROJECT NO. <u>05R 097120</u> / <u>05R 097103B</u>
LOCATION (S)		SUPERVISOR: <u>EVE HOLCOM / ARGENTON</u>	BR C2. OF <u>C83</u>	SHEET NO. _____ OF _____

Box 3324

INITIALS



#122302-01

Vermont Agency of
Transportation
PHASE 2-INTERSTATE

Bridge
1991

PLAINFIELD
DSR 097120 & 097036

1991