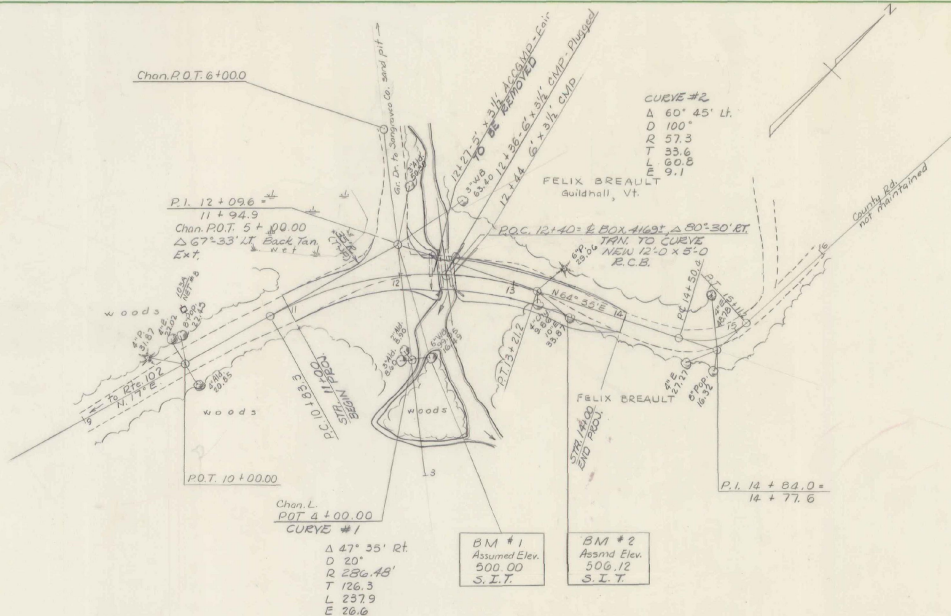


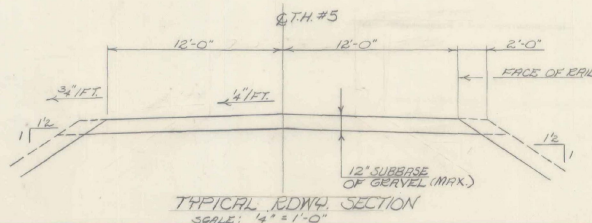
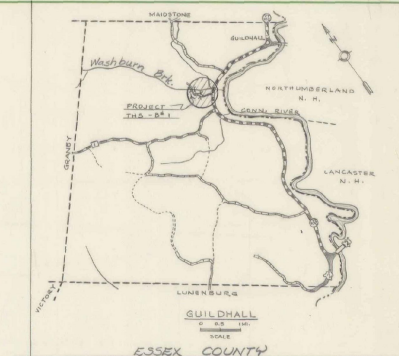
PLAN	DATE
PROJECT: GUILDHALL SHEET: 1 OF 13 DATE: 10/1/74	10/1/74

PROFILE	DATE
PROJECT: GUILDHALL SHEET: 1 OF 13 DATE: 10/1/74	10/1/74



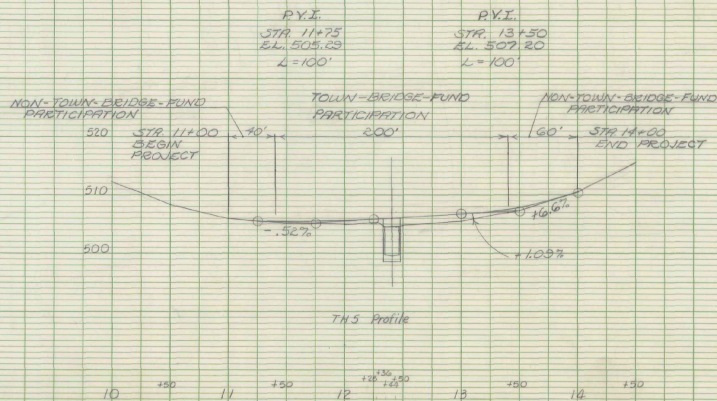
INDEX OF SHEETS

- SHT. 1 PLAN & PROFILE
- SHT. 2 PLAN, PROFILE & DETAILS
- SHT. 3 PLAN, ELEVATION & TYPICAL SECT.
- SHT. 4 WING ELEVATIONS & DETAILS
- SHT. 5 REINFORCING SCHEDULE
- SHT. 6-9 CHANNEL SECTIONS
- SHT. 10-12 RDWAY. SECTIONS
- SHT. 13 STD. DWG. G/L



LOCATION:
BEGINNING AT A POINT APPROXIMATELY
50' W. OF Y. 102 AND T.H. #5
INTERSECTION AND CONTINUING .057 MI.
ALONG T.H. #5.

PROJECT DESCRIPTION:
CONSTRUCTION OF NEW 12' x 5' RCB
AND SATISFACTORY APPROACHES



HYDRAULIC DATA

DRAINAGE AREA: 3.7 SQ. MI.
Q10: 400 C.F.S., HDATE EL. 504.8
Q25 (DESIGN): 360 C.F.S., HDATE EL. 506.2
Q50 (CHECK): 330 C.F.S., HDATE EL. 506.5
Q100: 300 C.F.S., HDATE EL. 506.7
OUTLET VELOCITY @ Q25 = 13.5 K.F.S.
TAILWATER @ Q25 = 3.3'

APPROVAL SIGNATURE
E. H. Stuckney
CHIEF ENGINEER

SHT. 1 OF 13

GUILDHALL
TH 35 & 5
TH 5 BR #1

Surv. Fenton 8-74
Plot. PW 6-74

INDEX OF SHEETS

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

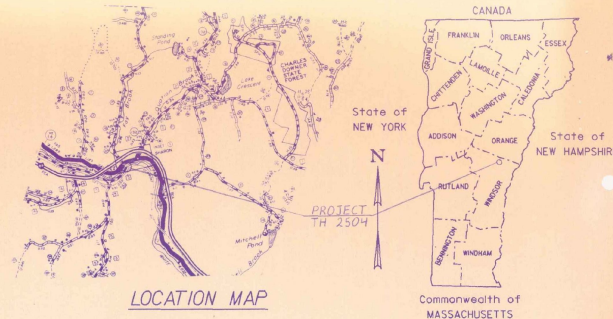
TOWN OF SHARON

COUNTY OF WINDSOR

ROUTE NO : TH 3 (FAS 177) BRIDGE NO : 15

PROJECT LOCATION : BEGINNING AT A POINT ON TH 3 0.01 MILES SOUTH OF ITS
INTERSECTION WITH VT 14 AND PROCEEDING IN A SOUTHERLY DIRECTION 0.11 MILES.
PROJECT DESCRIPTION : REHABILITATION OF THE EXISTING STRUCTURE
AND REALIGNMENT OF TH 3, ALONG WITH RELATED APPROACH ROADWAY WORK.

LENGTH OF STRUCTURE : 321.25 FEET.
LENGTH OF PARTICIPATION ROADWAY : 276.75 FEET.
LENGTH OF NON-PARTICIPATION ROADWAY : FEET.
LENGTH OF PROJECT : 593.00 FEET.



GENERAL NOTES

BRIDGE NO. 15, TH 3 WILL BE CLOSED DURING CONSTRUCTION.

HYDRAULIC DATA

Q₁₀ 449.7
Q₅₀ 458.2
Q₁₀₀ 461.5

CONVENTIONAL SIGNS

- COUNTY LINE
- TOWN LINE
- LIMITS OF ACCESS
- POINT OF ACCESS
- FENCE LINE
- STONE WALL
- TRAVELED WAY
- 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

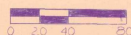
TRAFFIC DATA

1992 ADT = 690
DHV = 100
ADTT = 35
%T = 3
2012 ADT = 950
DHV = 130
ADTT = 60
%T = 3
%D = 54
18 KIP ESAL (FLEXIBLE)
TOTAL BOTH DIRECTIONS (1992-2012): 364,000
DESIGN SPEED = 15 MPH

STRESS LEVELS	LOAD RATING (TONS)							
	M	H3	SS2	EA1LE	3A STR	4A STR	5A SEMI	
INVENTORY	12	21						
POSTED	21	38	52		36	38	50	
OPERATING		47	64	66	44	46		

PLAN

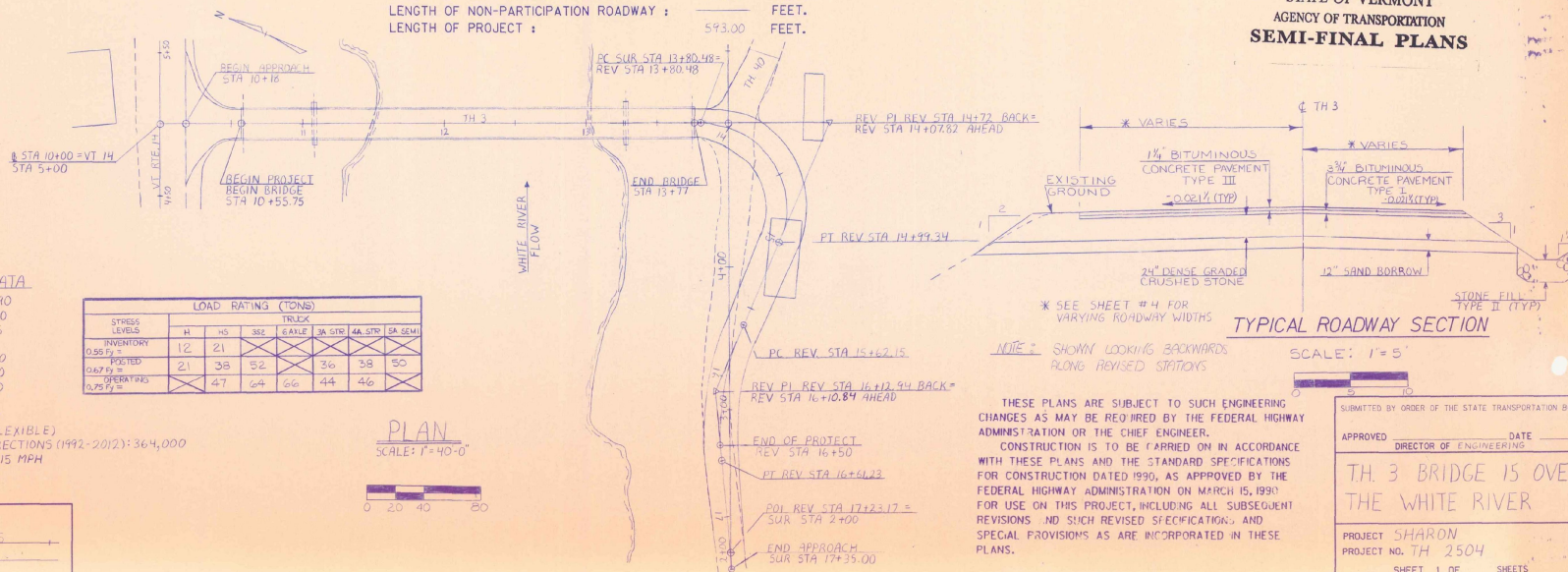
SCALE: 1"=40'-0"



DATUM

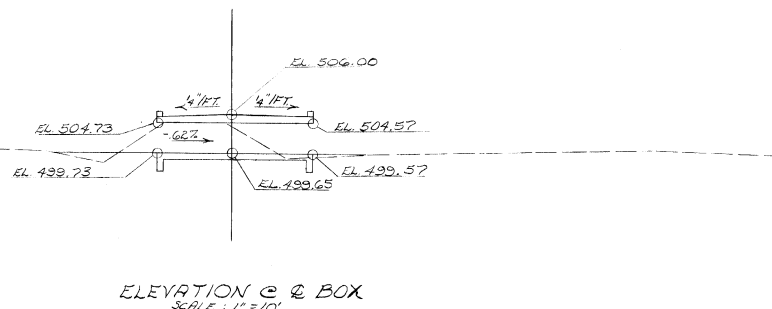
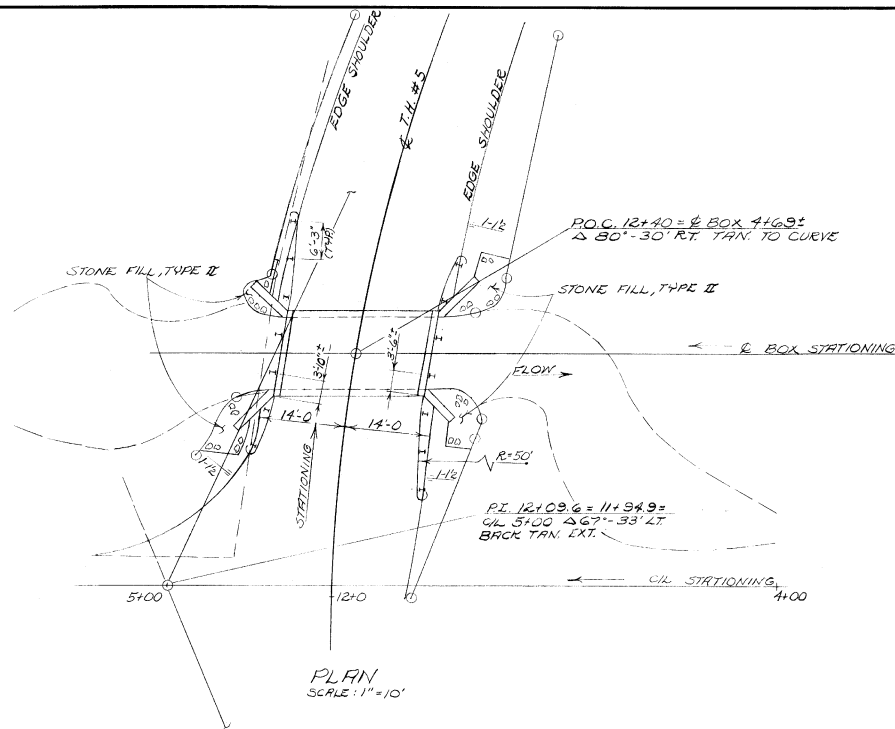
VERTICAL UGGS
HORIZONTAL N/A

STATE OF VERMONT AGENCY OF TRANSPORTATION SEMI-FINAL PLANS



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

DATE
APPROVED DIRECTOR OF ENGINEERING
TH 3 BRIDGE 15 OVER THE WHITE RIVER
PROJECT SHARON
PROJECT NO. TH 2504
SHEET 1 OF SHEETS



ELEVATION @ C & BOX
SCALE: 1"=10'

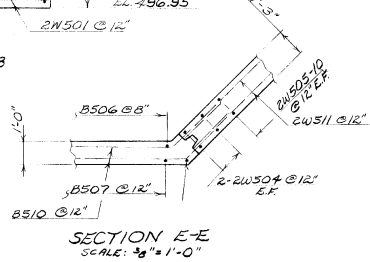
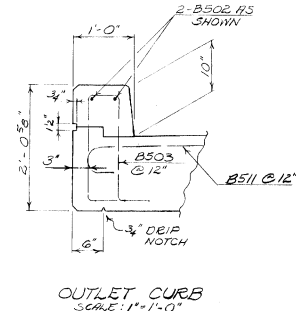
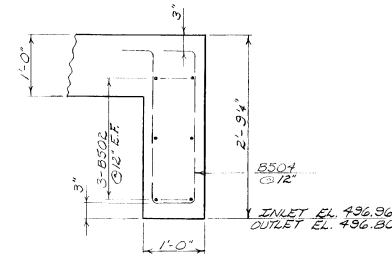
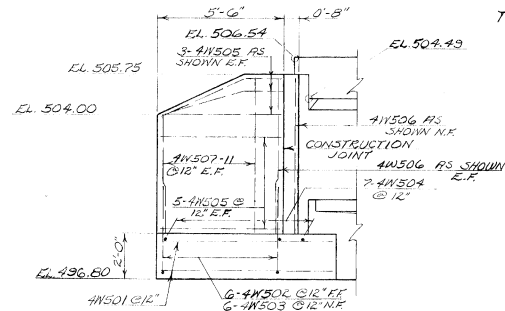
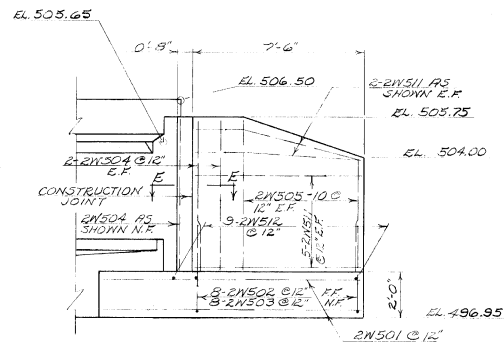
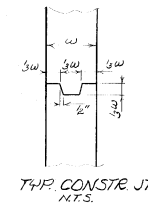
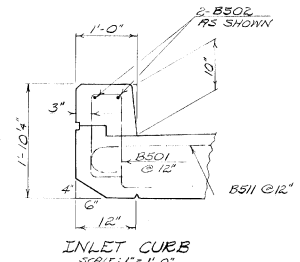
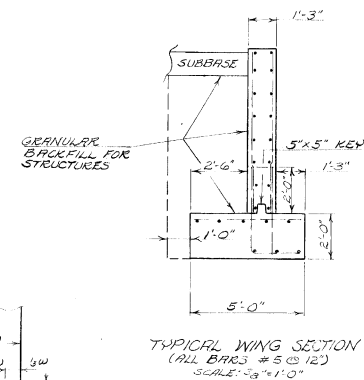
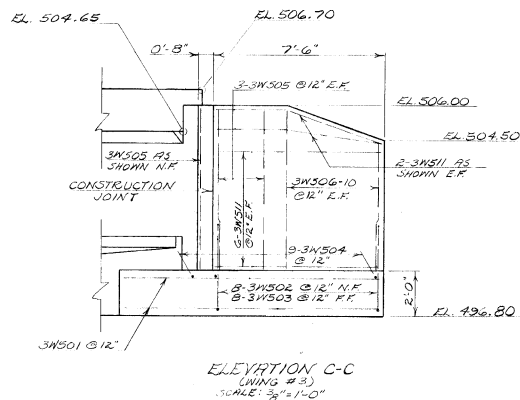
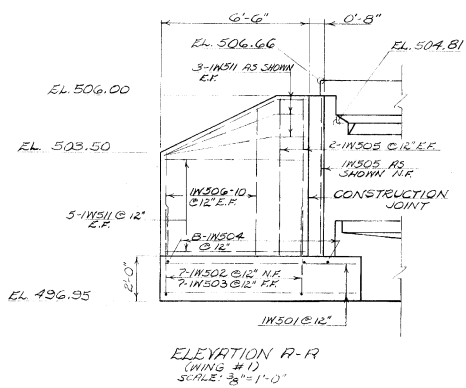
QUANTITIES			
	PARTICIPATION	TOTAL	FINAL
203.27	UNCLASSIFIED		
	CHANNEL EXC. C.Y.	30	
204.25	STRUCTURE EXC. C.Y.	130	
204.30	GRANULAR BASE FOR STRUCTURES C.Y.	50	
301.15	SUBBASE OF GRAVEL C.Y.	200	
501.25	CONC. CLASS B C.Y.	64	
507.15	REIN. STEEL LB.	7310	
613.11	STONE FILL TYPE II C.Y.	30	
621.25	GUARD RAIL STD. ST. B.M. W/ST POSTS, TYPE I L.F.	83	
	NON-PARTICIPATION		
301.15	SUBBASE OF GRAVEL C.Y.	50	

NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VT. DEPT. OF HIGHWAYS STD. SPECS. FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JAN. 1972 AND THE A.A.S.H.O. STD. SPECS. FOR HIGHWAY BRIDGES, CURRENT EDITION.
2. ALL CONCRETE IS TO BE CONCRETE, CLASS B. THE ROADWAY SURFACE SHALL BE LIGHTLY BROOMED AT RIGHT ANGLES TO THE CENTERLINE OF THE RDWY.
3. REINFORCING STEEL SHALL HAVE A CLEAR COVER OF 2" UNLESS OTHERWISE NOTED.
4. CHAMFER ALL EXPOSED CONCRETE EDGES 1" X 1".
5. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL.
6. DESIGN STRESSES:
CONCRETE $F'_c = 3000$ P.S.I. $F_c = 1200$ P.S.I.
REINFORCING STEEL $F_s = 20,000$ P.S.I. TENSION
 $F_c = 16,000$ P.S.I. COMPRESSION
7. ALL ROADWAY AND BRIDGE RAILING POSTS AND HARDWARE SHALL BE GALVANIZED AFTER FABRICATION ACCORDING TO A.S.T.M. SPEC. A-123.
8. ROADWAY FILL SHALL BE MADE FROM STRUCTURE EXC.
9. BRIDGE RAILING INCLUDED IN ITEM FOR GUARD RAIL.

STATE OF VERMONT DEPARTMENT OF HIGHWAYS

TOWN OF	GUILDHALL	Bridge No.	#1
HIGHWAY NO.	TH #5	Log Sta.	
		Surv. Sta.	12+40
T.H. #5 OVER WASHBURN BROOK			
PLAN, PROFILE & DETAILS			
Designed by	WEAVER	Drawn by	J. WEAVER
Checked by	G.E. HOPKINS	Bridge Design Supervisor	J. WOOD
date	9/21/74	date	9/74
PROJECT	GUILDHALL	PROJECT NO.	TH 3525
Bridge Sheet No.		Sheet	2 of 13



STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
TOWN OF	GUILDHALL	Bridge No.	#1
HIGHWAY NO.	TH #5	Log Sta.	
		Surv. Sta.	12+40
T.H. #5 OVER WASHBURN BROOK			
WING ELEVATIONS & DETAILS			
Designed by	J. WEAVER	Drawn by	J. WEAVER
Checked by	GE. HOPKINS	Bridge Design Supervisor	
PROJECT	date 9/27/74	date 9/74	
PROJECT		PROJECT NO.	
GUILDHALL		TH 3525	
Bridge Sheet No.		Sheet 4 of 13	

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

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" ASSHO M 31 (ASTM A 615), GRADE 40.
2. FOR TYPICAL BENDING DETAILS, RECOMMENDED MIN 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

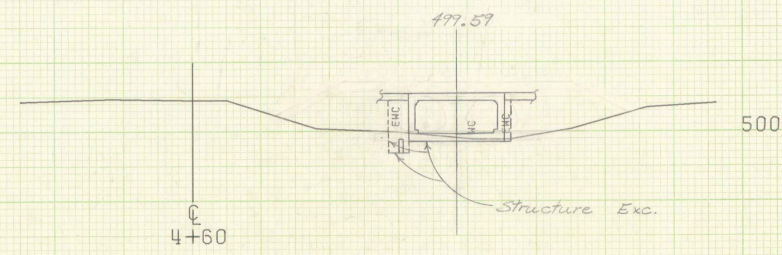
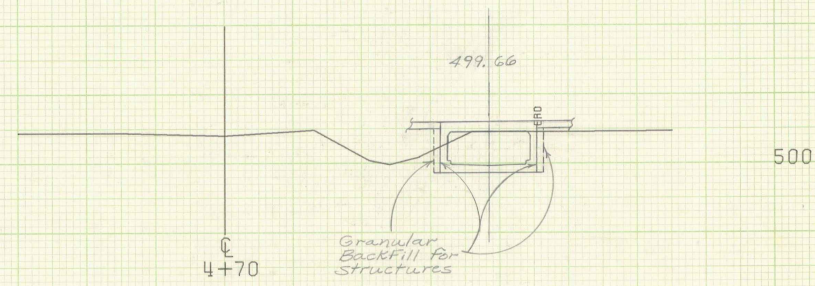
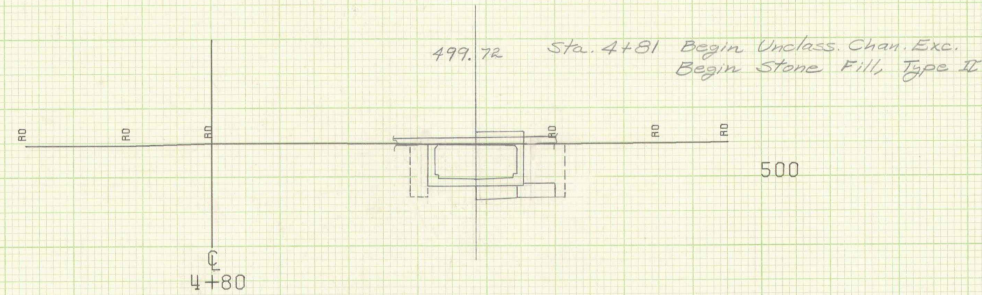
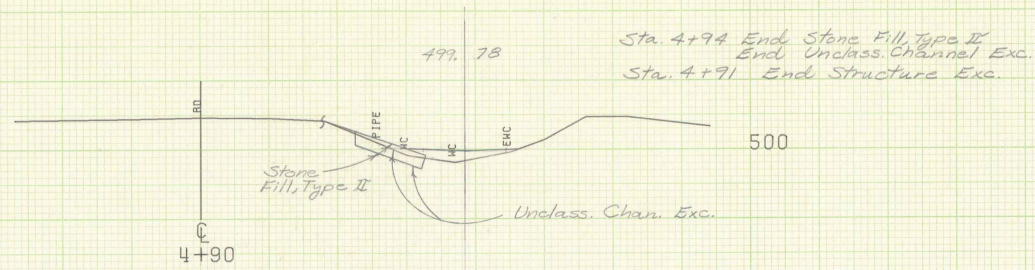
* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION
STATE OF VERMONT DEPARTMENT OF HIGHWAYS			
TOWN OF <u>GUILDHALL</u>			BRIDGE NO. <u>#1</u>
HIGHWAY NO. <u>T.H. #5</u>			SURV. STA.
<u>T.H. #5 OVER WARSHAVEN BROOK</u>			
REINFORCING STEEL SCHEDULE			
DESIGNED BY <u>J. WEAVER</u>		DRAWN BY <u>J. WEAVER</u>	
CHECKED BY		BRIDGE DESIGN SUPERVISOR	
<u>GE Hopkins</u> DATE <u>9/27/74</u>		<u>J. WOOD</u> DATE <u>7/74</u>	
PROJECT		PROJECT NO.	
<u>GUILDHALL</u>		<u>TH 3525</u>	
BRIDGE SHEET NO.		SHEET <u>5</u> OF <u>13</u>	



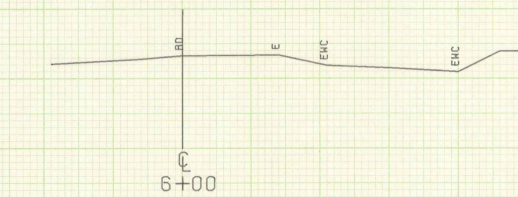
SCALE 1" = 10 FEET

FROM STA. 3+50	TO STA. 4+50
PROJECT NAME	GUILDHALL CHANNEL LINE
NO.	TH3525
SURVEYED BY	FANTONI
SHEET 6 OF 12 SHEETS	PLOTTED 08/24/74

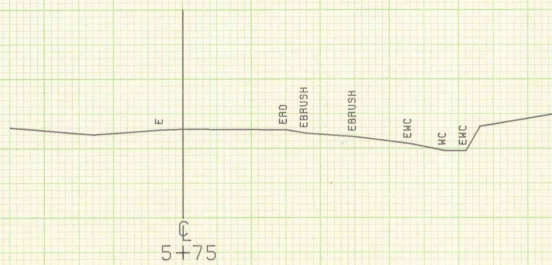


FROM STA. 4+60 TO STA. 4+90
PROJECT NAME GUILDHALL CHANNEL LINE
NO. TH3525
SURVEYED BY FANTONI
SHEET 7 OF 13 SHEETS
PLOTTED 08/24/74
08/74

SCALE 1" = 10 FEET



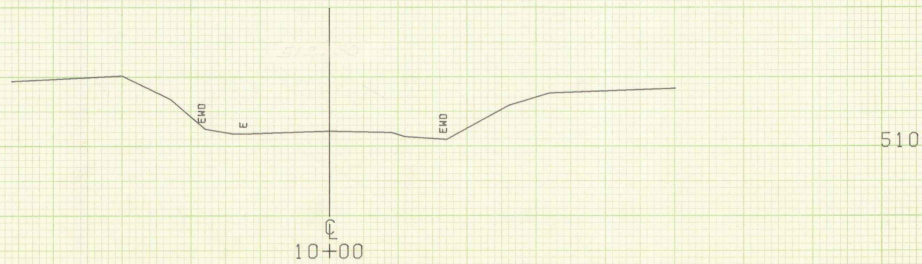
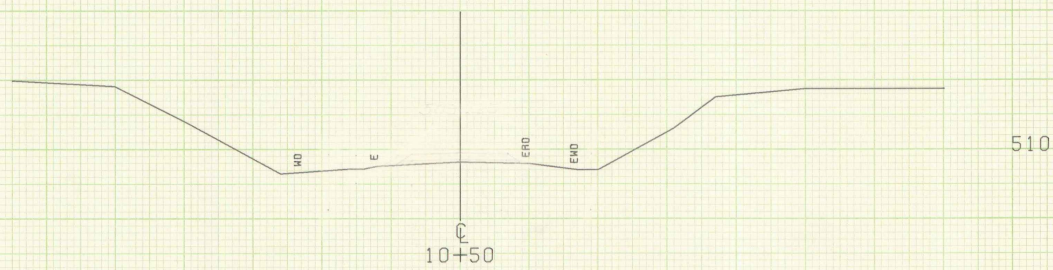
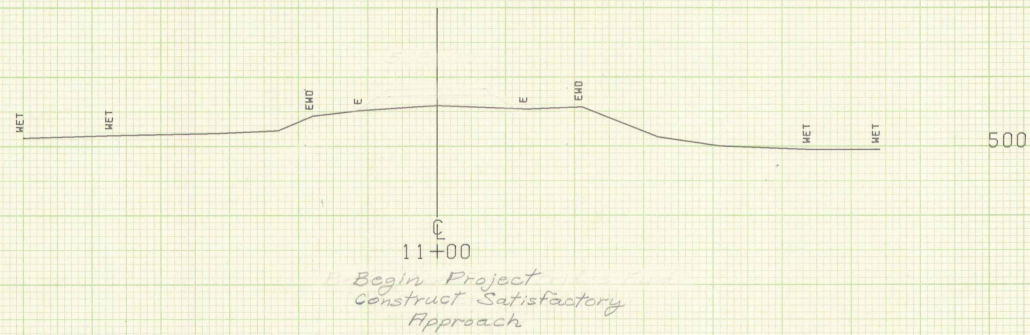
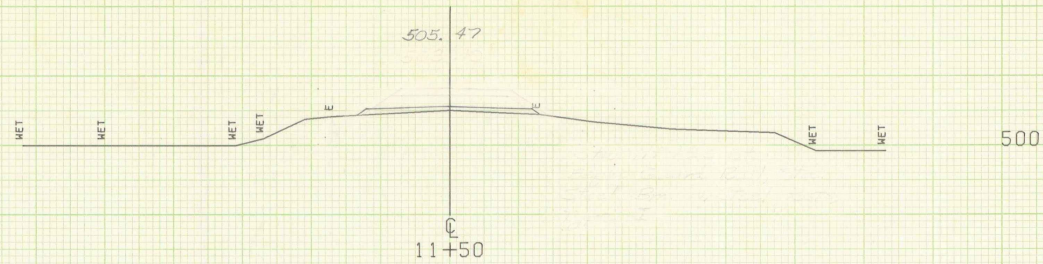
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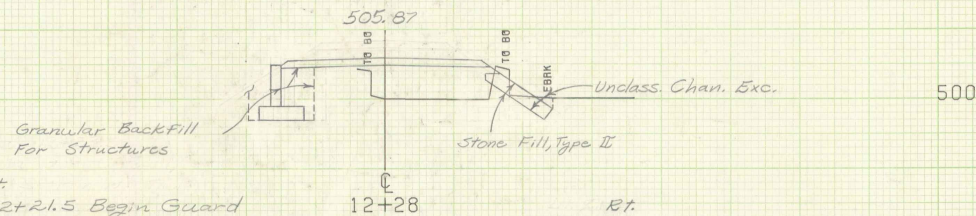
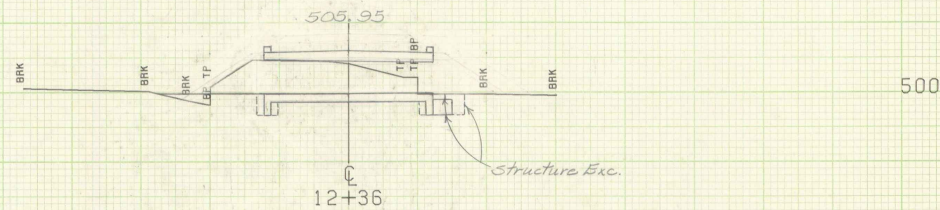
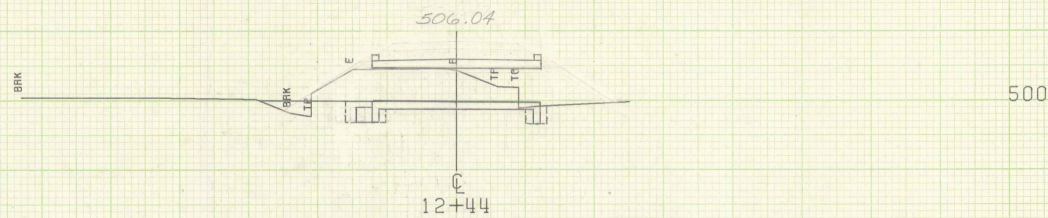
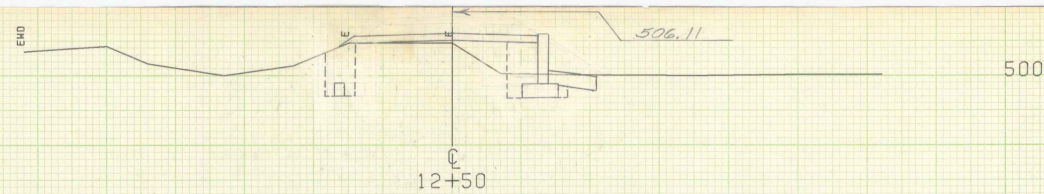
500

FROM STA. 5+75	TO STA. 6+00
PROJECT NAME	GUILDHALL CHANNEL LINE
NO.	TH3525
SURVEYED BY	FANTONI
SHEET 9	OF 13 SHEETS
	08/74

SCALE 10 FEET

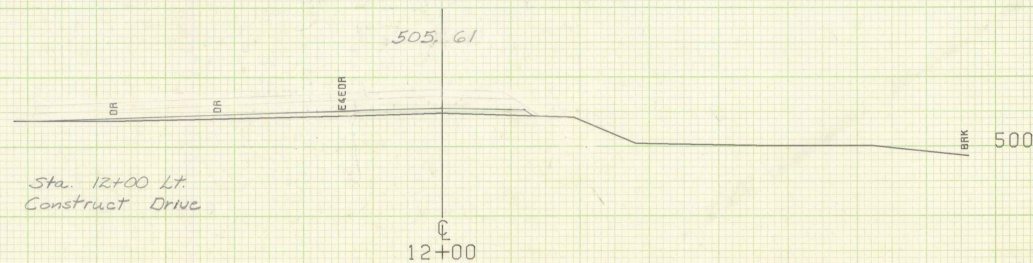


TH5, B1 over



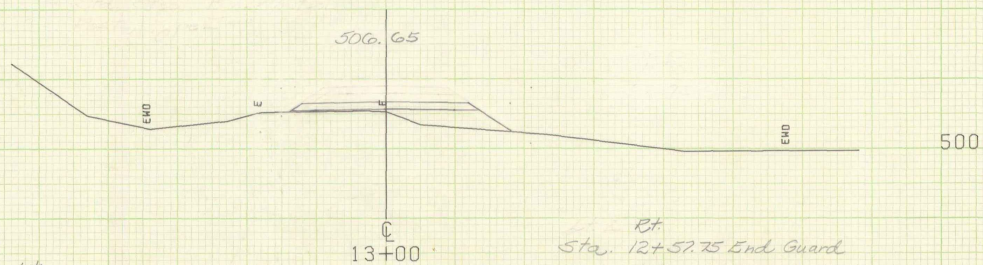
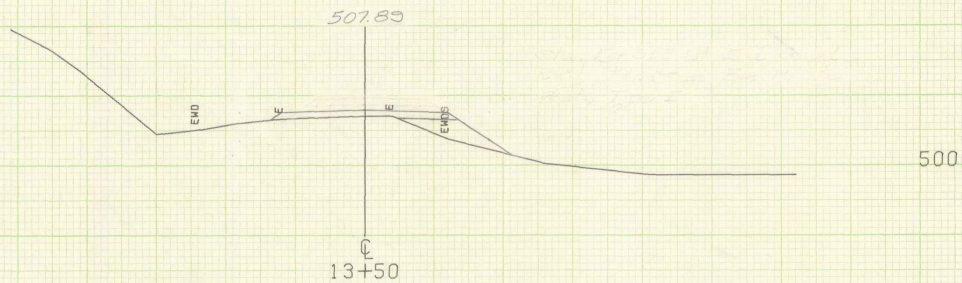
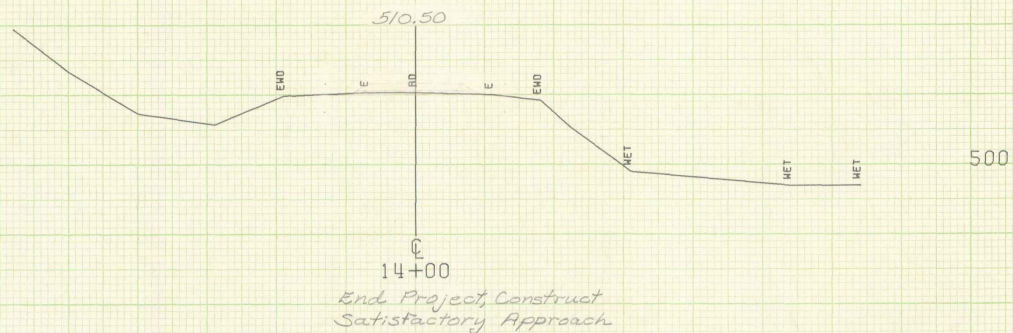
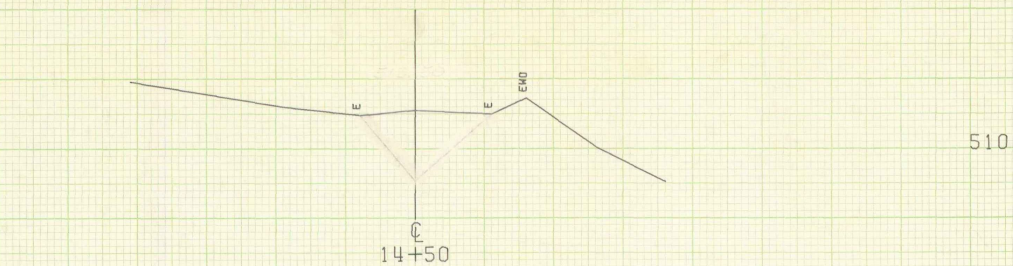
Lt.
Sta. 12+21.5 Begin Guard
Rail, Std. Steel Bm. w/ Steel
Posts, Type I

Rt.
Sta. 12+17.25 Begin Guard Rail,
Std. St. Bm. w/ Steel Posts, Type I



FROM STA. 12+00 TO STA. 12+50
PROJECT NAME GUILDHALL MAIN LINE
NO. TH3525
SURVEYED BY FANTONI
SHEET 11 OF 13 SHEETS
PLOTTED 08/24/74
08/74

SCALE 10 FEET



Lt.
Sta. 12+62 End Guard
Rail, Std. St. Bm. w/Steel
Posts, Type I

Rt.
Sta. 12+57.75 End Guard
Rail, Std. St. Bm. w/Steel
Posts, Type I

SCALE 1" = 10 FEET

FROM STA. 13+00	TO STA. 14+50
PROJECT NAME	GUILDHALL MAIN LINE
NO.	TH9525
SURVEYED BY	FANTONI
SHEET 12 OF 13 SHEETS	PLOTTED 08/24/74

Bridge
1975

Guild Hall
TH 3525

Vermont Agency of
Transportation
PHASE 1-INTERSTATE
#122302-01
Box 1991
DONE

INITIALS
☐

1975