

INDEX OF SHEETS

1. TITLE SHEET
2. PLAN
3. PROFILE
- 4.-5. R.O.W. DETAIL AND LAYOUT SHEETS
6. BRIDGE QUANTITY SHEET
7. TRAFFIC CONTROL SHEET
8. PLAN AND ELEVATION
9. SLAB DETAIL SHEET
10. ABUTMENT NO. 1 DETAILS
11. ABUTMENT NO. 2 DETAILS
12. EXISTING ABUTMENT 1 & 2 DETAILS
13. FOOTING DETAILS AND GENERAL NOTES CONTINUED
14. CONCRETE DETAILS AND GENERAL NOTES CONTINUED
15. REINFORCING STEEL SCHEDULE
- 16-19. T.M. 20 CROSS SECTIONS
- 20.-23. CHANNEL SECTIONS

LIST OF STANDARDS

E-100	5/26/99 R
E-101	10/30/97
E-102	1/23/99 R
E-103	1/23/99 R
E-107	4/23/98 R
E-107A	9/10/97
E-110	3/01/98 R
Q-1	10/31/85 R
Q-1d	10/31/85 R
SB-R6-82	12/13/84 R
T-1	12/01/76 R
T-2	7/05/72
G-18	11/9/88

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**



**PROPOSED IMPROVEMENT
BRIDGE PROJECT**

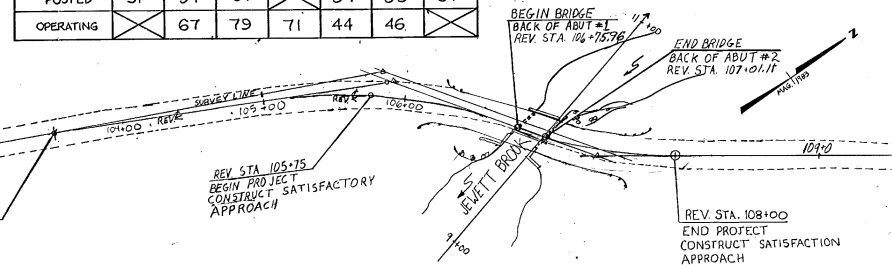
TOWN OF ST. ALBANS
COUNTY OF FRANKLIN

ROUTE NO. TH 20 (CLASS 3) BRIDGE NO. 9

PROJECT LOCATION: BEGINNING 1.717 MILES FROM THE INTERSECTION OF VT. 36 AND TH 20 AND HEADING NORTHERLY 0.043 MILES (225.0 FT) ALONG TH 20.
PROJECT DESCRIPTION: REMOVE EXISTING SUPERSTRUCTURE, WIDEN ABUTMENTS ON DOWNSTREAM SIDE, ADD NEW CONCRETE SLAB, RELATED ROADWAY AND CHANNEL WORK.

LENGTH OF STRUCTURE: 25.15 FEET = 0.005 MILES
LENGTH OF PARTICIPATION ROADWAY: 179.85 FEET = 0.038 MILES
LENGTH OF PROJECT: 225.0 FEET = 0.043 MILES

STRESS LEVELS	LOAD RATING (TONS)						
	H	H9	3S2	TRUCK 8 AXLE	3A. STR.	4A. STR.	5A. SEMI
INVENTORY	21	38					
POSTED	31	57	67		37	39	67
OPERATING		67	79	71	44	46	



HYDRAULIC DATA

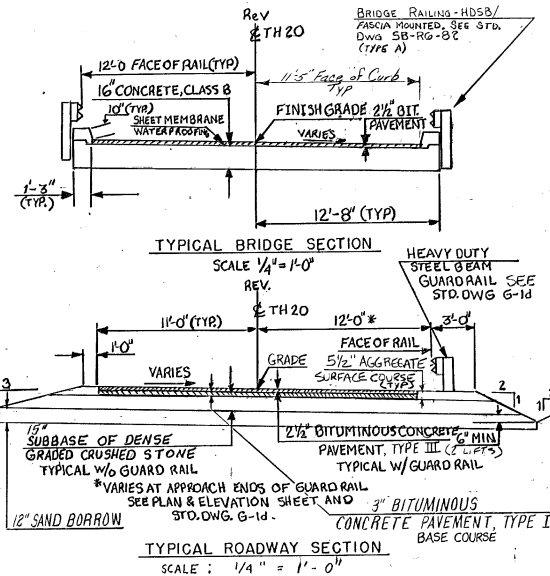
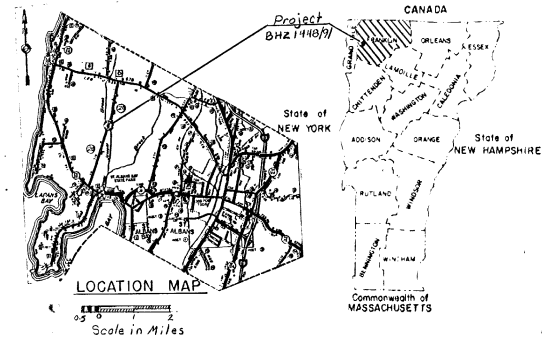
DRAINAGE AREA = 7.0 SQ. MI.
Q10 = 400 CFS
Q25 = 550 CFS
Q50 = 675 CFS
Q100 = 800 CFS

HEADWATER ELEVATIONS** (AFFECTED BY LAKE CHAMPLAIN)

Stream Flow @	Q10	Q25	Q50	Q100
at Lake Champlain	101.4	101.8	102.2	102.6
	102.0	102.4	102.8	103.3
	102.2	102.8	103.0	103.3
	102.6	103.3	103.3	103.4

TRAFFIC DATA

1986 ADT = 440
2006 ADT = 590
1986 DHV = 60
2006 DHV = 85
T = 21%
T(ADT) = 23%
D = 63%



BUILT AS DESIGNED

- CONVENTIONAL SIGNS**
- COUNTY LINE
 - TOWN LINE
 - LIMITS OF ACCESS
 - POINT OF ACCESS
 - FENCE LINE
 - STONE WALL
 - TRAVELED RD
 - 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

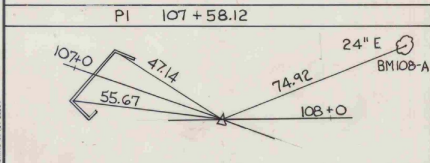
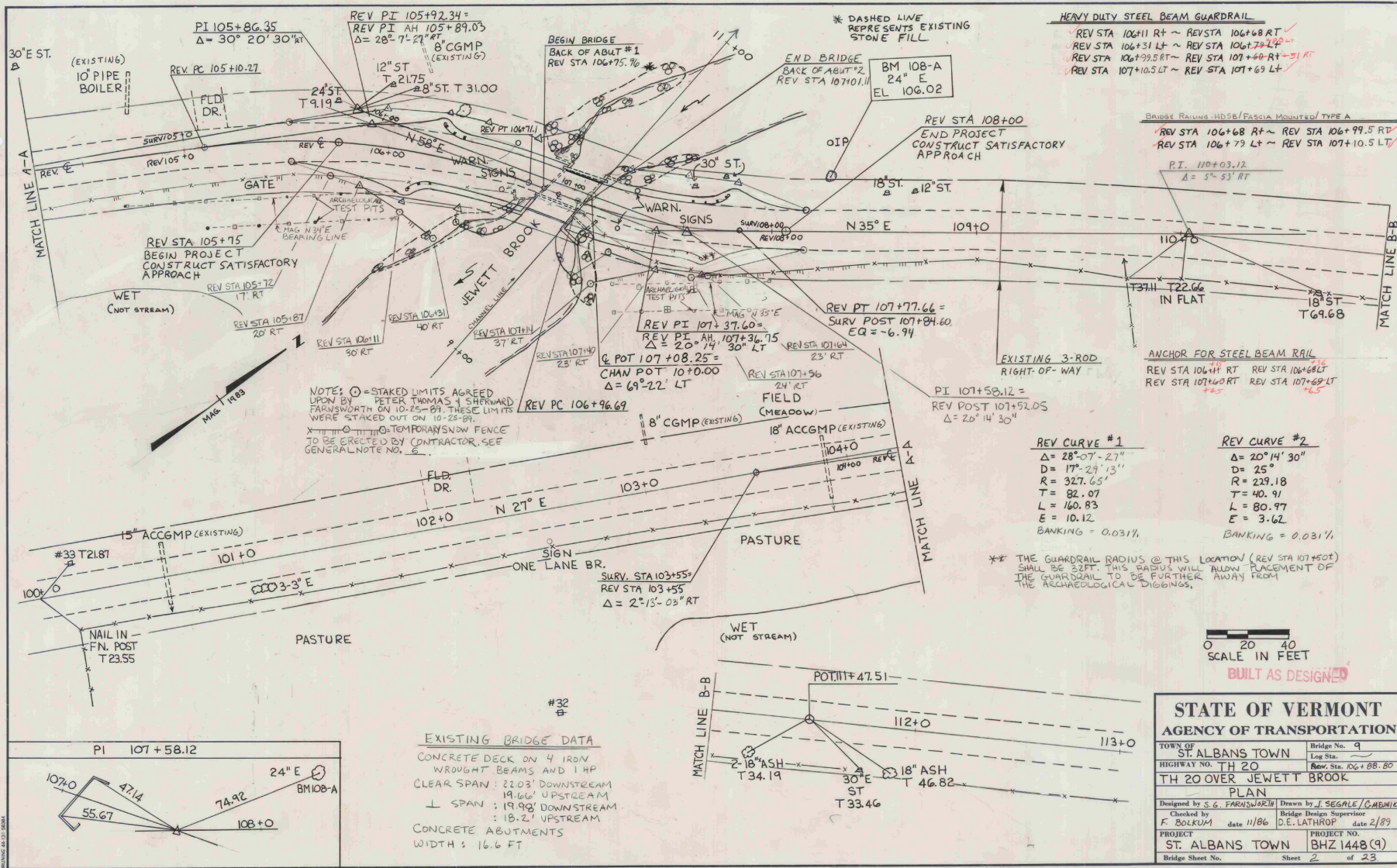
VERTICAL	NGVD 1929
HORIZONTAL	N/A

SUBMITTED BY ORDER OF THE STATE TRANSPORTATION BOARD

APPROVED: *[Signature]* DATE: 2/10/87
DIRECTOR OF PLANNING

PROJECT: ST. ALBANS
PROJECT NO.: BHZ 1448/91

SHEET 1 OF 23 SHEETS
S-B 172/16



EXISTING BRIDGE DATA
 CONCRETE DECK ON 4 IRON WROUGHT BEAMS AND 1 HP
 CLEAR SPAN : 2103' DOWNSTREAM
 1966' UPSTREAM
 L SPAN : 19.90' DOWNSTREAM
 : 18.2' UPSTREAM
 CONCRETE ABUTMENTS
 WIDTH : 16.6 FT

REV CURVE #1	REV CURVE #2
Δ = 28°07' - 27"	Δ = 20°14' 30"
D = 17°29' 13"	D = 25°
R = 327.65'	R = 229.18
T = 82.07	T = 40.91
L = 160.83	L = 80.97
E = 10.12	E = 3.62
BANKING = 0.031%	BANKING = 0.031%

** THE GUARDRAIL RADIUS @ THIS LOCATION (REV STA 107+52.05) SHALL BE 32FT. THIS RADIUS WILL ALLOW PLACEMENT OF THE GUARDRAIL TO BE FURTHER AWAY FROM THE ARCHAEOLOGICAL DIGGINGS.

0 20 40
SCALE IN FEET

BUILT AS DESIGNED

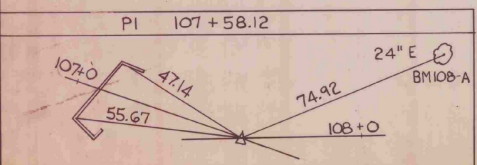
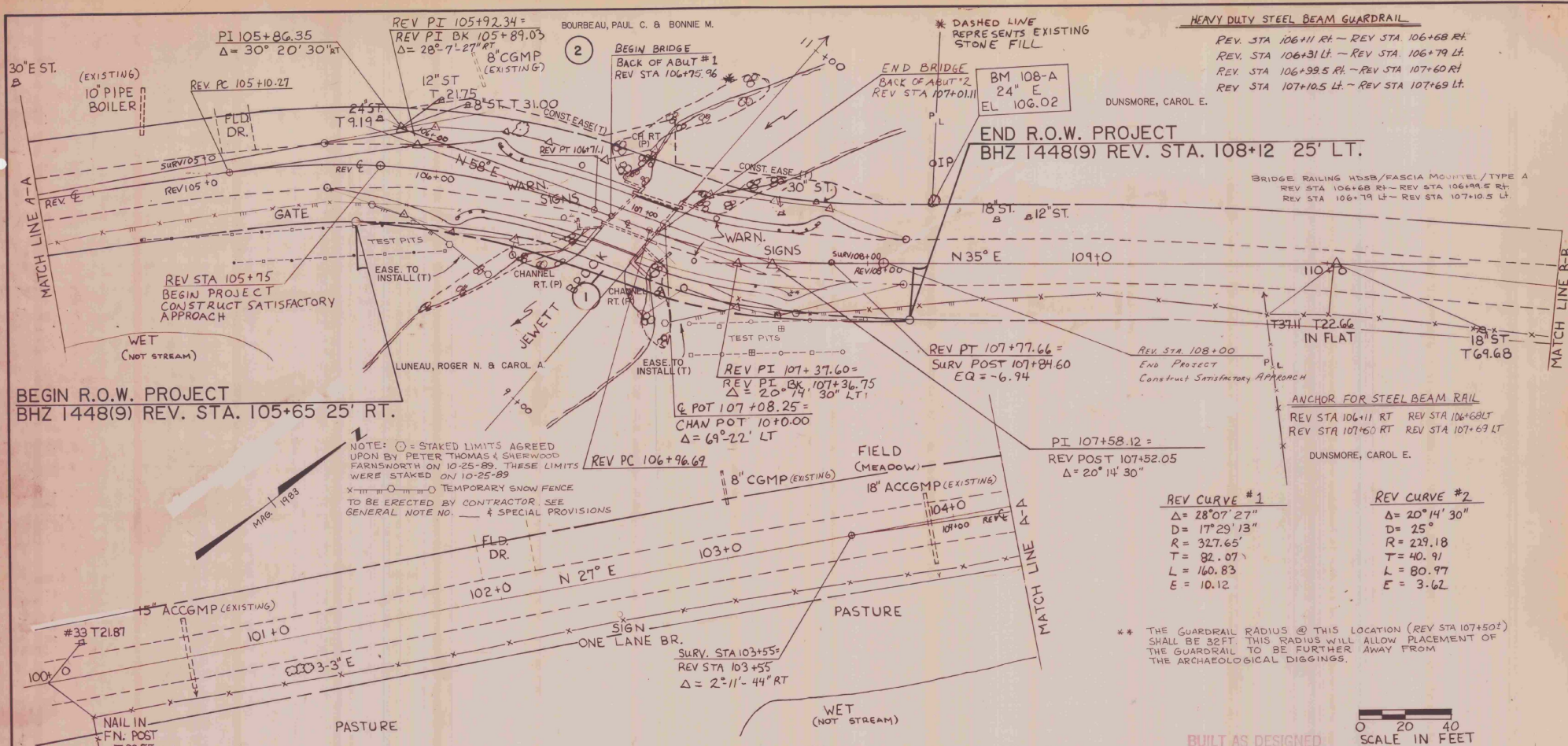
STATE OF VERMONT AGENCY OF TRANSPORTATION	
TOWN OF ST. ALBANS TOWN	Bridge No. 9
HIGHWAY NO. TH 20	Log Sta. _____
TH 20 OVER JEWETT BROOK	Rev. Sta. 106+88.80
PLAN	
Designed by S.G. FARNSWORTH	Drawn by J. SEGAL/C. AMENICK
Checked by F. BOLKUM	Bridge Design Supervisor D.E. LATHROP
PROJECT date 11/86	date 2/89
PROJECT NO. ST. ALBANS TOWN	PROJECT NO. BHZ 1448 (9)
Bridge Sheet No. _____	Sheet 2 of 23

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

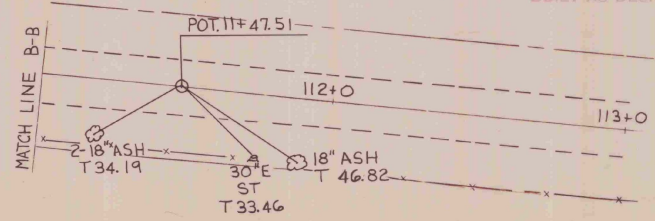
PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY	
1	LUNEAU, ROGER N. & CAROL A.	3	REV. 105 + 65 RT. REV. 106 + 00 RT. REV. 106 + 38 RT. REV. 106 + 93 RT. REV. 107 + 14 RT.	REV. 108 + 12 RT. REV. 106 + 31 RT. REV. 106 + 64 RT. REV. 107 + 13 RT. REV. 107 + 35 RT.	0.02 A±		EASE TO INSTALL (T) CHANNEL (P) (110 S.F.±) CHANNEL (P) (50 S.F.±) EASE TO INSTALL (T)	WDOE		ST. ALBANS			770 S.F.± ARCHAEOLOGICAL FENCE ARCHAEOLOGICAL FENCE	1	3,4	Parcel No 1 Delete const ease (T) & added archaeological fencing per Co. # 7834 MyLARS to Structures 10-9-90	11-16-89	JDP	JDP	
2	BOURBEAU, PAUL C. & BONNIE M.	3	REV. 105 + 86 LT. REV. 106 + 79 LT.	REV. 108 + 00 LT. REV. 106 + 89 LT.			CONST. EASE. (T) (0.03 A±) CHANNEL (P) (25 S.F.±)	WDOE		ST. ALBANS			1153 S.F.±							

NOTE:
THIS SHEET IS FOR R.O.W. LIMIT DETAILS ONLY. REFER TO THE REMAINING PLAN SHEETS FOR ALL OTHER CONTRACT DETAILS.

MADE BY: <u>A.S.J.</u> DATE <u>5/6/87</u>		DR. RT. - DRAINAGE RIGHT DIT. RT. - DITCHING RIGHT CH. RT. - CHANNEL RT. DRIVE RT. - DRIVE RIGHT CUL. RT. - CULVERT RIGHT (D) - DEMOLITION OR REMOVAL (W) - WATER SOURCES		PRESENT R.O.W. TAKING WITHOUT ACCESS TAKING WITH ACCESS PERMANENT EASEMENT TEMPORARY EASEMENT		CONST. EASE. SR SR SLOPE RIGHTS P PROPERTY LINE L TOP OF CUT O O TOE OF SLOPE	R.O.W. PLANS	APPROVED: <u>[Signature]</u> DATE: <u>5/16/87</u> AGENT D. PLANS & TITLES	ST. ALBANS BHZ 1448 (9) SHEET 4 OF 23
---	--	---	--	--	--	---	--------------	--	---



NOTE:
 THIS SHEET IS FOR R.O.W. LIMIT DETAILS ONLY. REFER TO THE REMAINING PLAN SHEETS FOR ALL OTHER CONTRACT DETAILS.

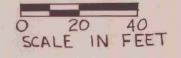


R.O.W. PLANS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF ST. ALBANS TOWN	Bridge No. 9
HIGHWAY NO. TH 20	Log Sta.
TH 20 OVER JEWETT BROOK	
PLAN	

ST. ALBANS
 BHZ 1448(9)
 SHEET 5 OF 23



EARTHWORK

% VERT CUR	STATION	GRADES		CORR. V.C.	DIST.	COMMON EXCAVATION		SUBBASE OF DENSE GRADED CRUSHED STONE									
		ELEVATION ON TAN.	ELEVATION ON V.C.			AREA	CU.YDS.	AREA	CU.YDS.	AREA	CU.YDS.	AREA	CU.YDS.				
	105+50	104.80															
	105+75	104.23			BEGIN PROJ	0	0										
	+50	104.11			17.25	68	20	38	12								
	105+92.25	103.85			0.07												
	+20	103.65			50.75	133	76										
	106+00	103.70			0.05												
	106+43.01	102.66			0.50	80	43										
	106+50	102.50			0.61	25.03	44	40									
	106+68.04	102.72			0.34	7.92	59	43	13								
	106+75	102.80			0.25												
	+75.96	102.81			56.91	59	43										
	107+00	103.10			0.05												
	07+01.11	103.11			0.04	59	43										
	07+01.89	103.12			0.04												
	107+18.07	103.32			16.96	28	27	43	27								
	+20	103.34															
	107+25	103.36			25.30	52	41										
	107+43.37	103.62				83	45										
	107+50	103.70															
	107+93.07	104.22			56.63	27	47										
	108+00	104.30			END PROJECT	0	0										
					SUB-TOTAL	400	256										
					ROUNDING	0	4										
					TOTAL	400	260										

BRIDGE QUANTITY SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

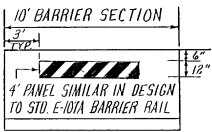
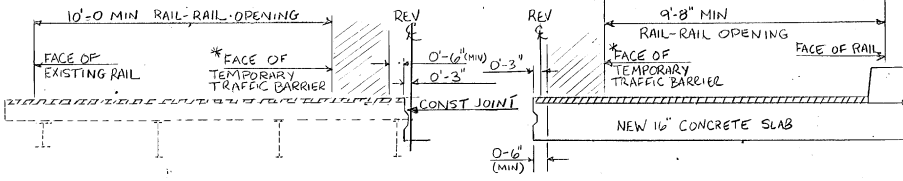
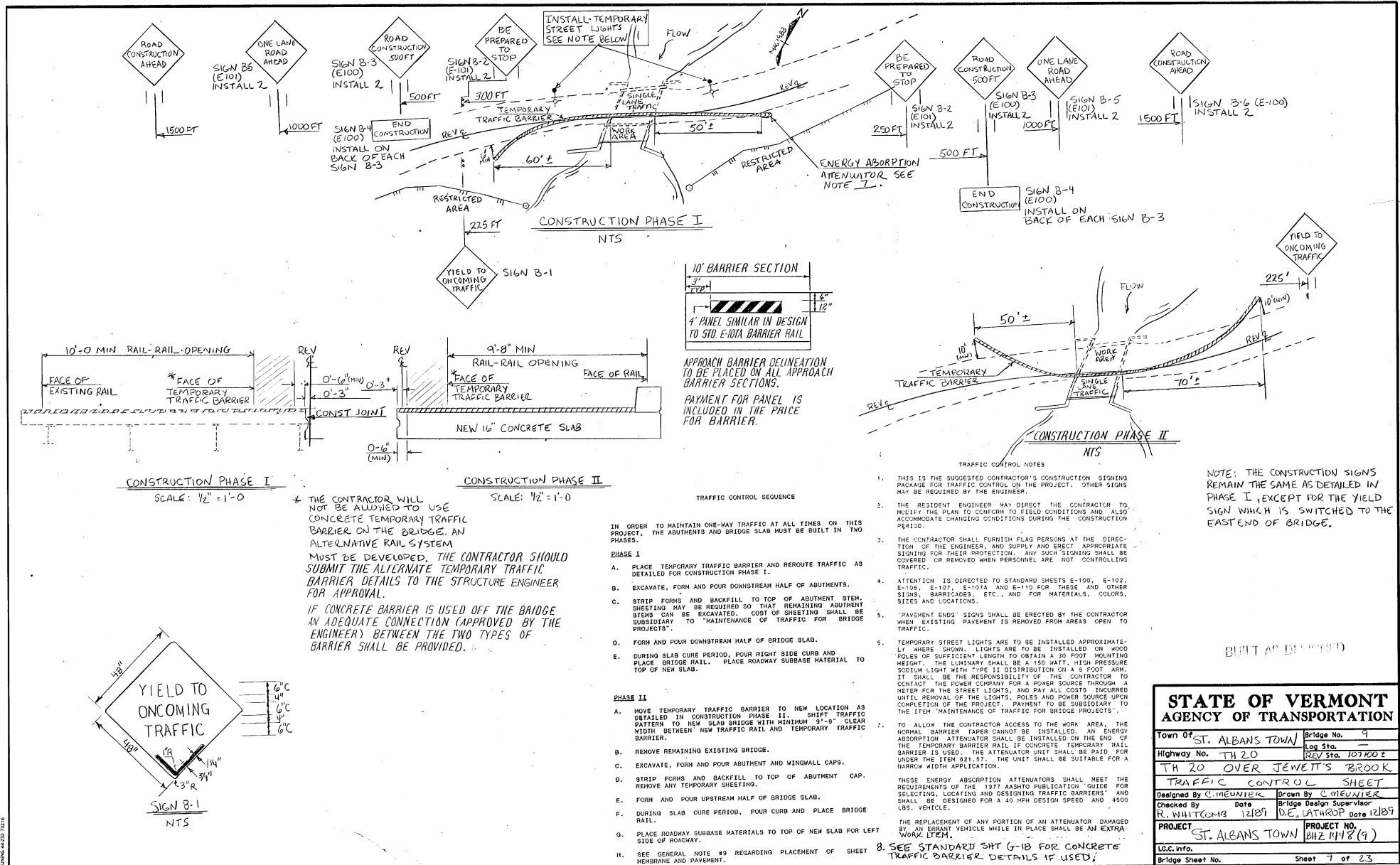
ITEM NO.	ITEM	UNIT	QUANTITY BREAKDOWN						TOTAL	FINAL
			SUPER-STRUCTURE	ABUT #1	ABUT #2	ROADWAY	CHANNEL			
203.15	COMMON EXCAVATION	CY				400			400	
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY					80		80	
203.31	SAND BORROW	CY				220			220	
204.25	STRUCTURE EXCAVATION	CY		60	40				100	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		40	50				90	
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE	CY				260			260	
401.10	AGGREGATE SURFACE COURSE	CY				30			30	
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	9			150			159	
501.25	CONCRETE, CLASS B	CY	35	39	31				105	
507.15	REINFORCING STEEL	LB	5540	3440	2750				11780	
507.16	DRILLING AND GROUTING DOWELS	LF		36	36				72	
514.10	WATER REPELLENT	GAL	2	2	2				6	
519.20	SHEET MEMBRANE WATERPROOFING	SY	70						70	
524.11	JOINT SEALER - HOT POURED	LF	60						60	
528.41	BRIDGE RAILING - HD STEEL BEAM / FASCIA MOUNTED	LF	63						63	
527.10	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	LS				1			1	
529.20	PARTIAL REMOVAL OF STRUCTURE	EACH	1						1	
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I (EST)	HR				10			10	
613.11	STONE FILL, TYPE II	CY					70		70	
620.50	REMOVING / RESETTING FENCE (MOD)	LF				240			240	
620.60	BARBED WIRE FENCE	LF				240			240	
620.70	SNOW FENCE (MOD)	LF				330			330	
621.21	HEAVY DUTY STEEL BEAM GUARD RAIL	LF				256			256	
621.57	ENERGY ABSORPTION ATTENUATOR	EA				1			1	
621.60	ANCHOR FOR STEEL BEAM RAIL	EACH				4			4	
621.90	TEMPORARY TRAFFIC BARRIER	LF				230			230	
630.15	FLAGGERS	HRS				100			100	
631.16	TESTING EQUIPMENT - CONCRETE	LS				1			1	
631.17	TESTING EQUIPMENT - GRANULAR	LS				1			1	
633.10	MOBILIZATION	LS				1			1	
649.10	GEOTEXTILE FABRIC FOR FILTERS	SY				100			100	
651.40	GRUBBING MATERIAL	SY				50			50	

BRIDGE(S) AT STATION(S) 106+88.80
LOCATION(S) TH 20 OVER THE JEWETT BROOK

PREPARED BY: R. WATSON
SUPERVISOR: D.E. LATHROP

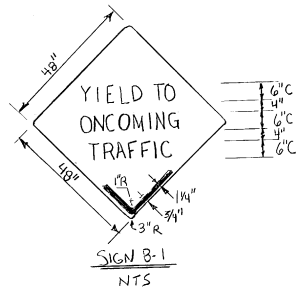
CHECKED BY: J. MELANIE
PROJECT: ST. ALBANS TOWN

PROJECT NO: BHZ 1448 (7)
SHEET NO: 6 OF 23



APPROACH BARRIER DELINEATION TO BE PLACED ON ALL APPROACH BARRIER SECTIONS.

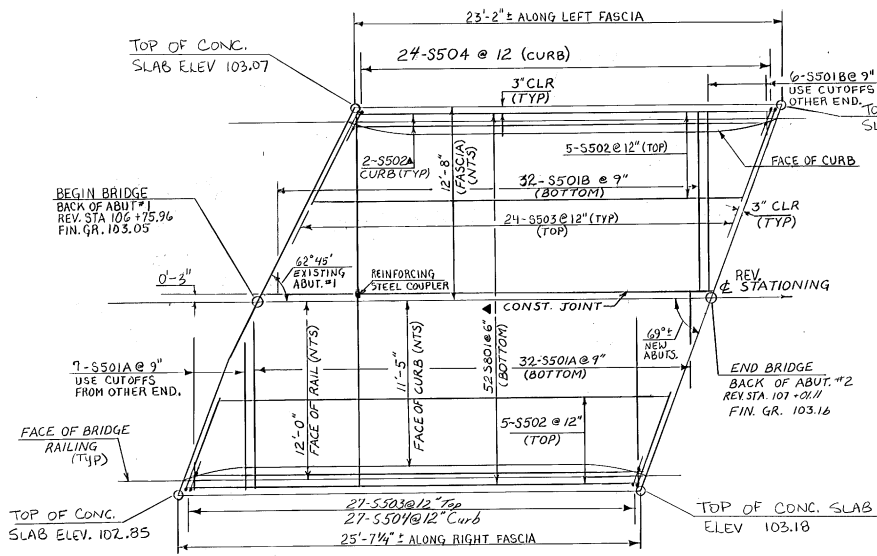
PAYMENT FOR PANEL IS INCLUDED IN THE PRICE FOR BARRIER.



- PHASE I**
- PLACE TEMPORARY TRAFFIC BARRIER AND REROUTE TRAFFIC AS DETAILED FOR CONSTRUCTION PHASE I.
 - EXCAVATE, FORM AND POUR DOWNSTREAM HALF OF ABUTMENTS.
 - STRIP FORMS AND BACKFILL TO TOP OF ABUTMENT STEPS. SHEETING MAY BE REQUIRED SO THAT REMAINING ABUTMENT STEPS CAN BE EXCAVATED. COST OF SHEETING SHALL BE SUBSIDIARY TO "MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS".
 - FORM AND POUR DOWNSTREAM HALF OF BRIDGE SLAB.
 - DURING SLAB CURE PERIOD, POUR RIGHT SIDE CURB AND PLACE BRIDGE RAIL. PLACE ROADWAY SUBBASE MATERIAL TO TOP OF NEW SLAB.
- PHASE II**
- MOVE TEMPORARY TRAFFIC BARRIER TO NEW LOCATION AS DETAILED IN CONSTRUCTION PHASE II. SHIFT TRAFFIC PATTERNS TO NEW SLAB BRIDGE WITH MINIMUM 3'-8" CLEAR WIDTH BETWEEN NEW BRIDGE RAIL AND TEMPORARY TRAFFIC BARRIER.
 - REMOVE REMAINING EXISTING BRIDGE.
 - EXCAVATE, FORM AND POUR UPSTREAM AND WINGWALL CAPS.
 - STRIP FORMS AND BACKFILL TO TOP OF ABUTMENT CAP. REMOVE ANY TEMPORARY SHEETING.
 - FORM AND POUR UPSTREAM HALF OF BRIDGE SLAB.
 - DURING SLAB CURE PERIOD, POUR CURB AND PLACE BRIDGE RAIL.
 - PLACE ROADWAY SUBBASE MATERIALS TO TOP OF NEW SLAB FOR LEFT SIDE OF ROADWAY.
 - SEE GENERAL NOTE #9 REGARDING PLACEMENT OF SHEET MEMBRANE AND PAVEMENT.

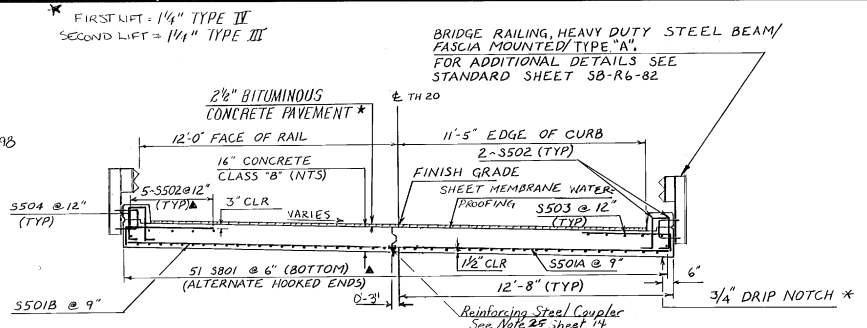
- THIS IS THE SUGGESTED CONTRACTOR'S CONSTRUCTION SIGNING PACKAGE FOR TRAFFIC CONTROL ON THE PROJECT. OTHER SIGNS MAY BE REQUIRED BY THE ENGINEER.
 - THE RESIDENT ENGINEER MAY DIRECT THE CONTRACTOR TO MODIFY THE PLAN TO CONFORM TO FIELD CONDITIONS AND ALSO ACCOMMODATE CHANGING CONDITIONS DURING THE CONSTRUCTION PERIOD.
 - THE CONTRACTOR SHALL FURNISH FLAG PERSONS AT THE DIRECTION OF THE ENGINEER, AND SUPPLY AND ERECT APPROPRIATE SIGNING FOR THEIR PROTECTION. ANY SUCH SIGNING SHALL BE COVERED OR REMOVED WHEN PERSONNEL ARE NOT CONTROLLING TRAFFIC.
 - ATTENTION IS DIRECTED TO STANDARD SHEETS E-100, E-102, E-106, E-107, E-107A AND E-110 FOR THESE AND OTHER SIGNS, BARRICADES, ETC., AND FOR MATERIALS, COLORS, SIZES AND LOCATIONS.
 - "PAVEMENT ENDS" SIGNS SHALL BE ERECTED BY THE CONTRACTOR WHEN EXISTING PAVEMENT IS REMOVED FROM AREAS OPEN TO TRAFFIC.
 - TEMPORARY STREET LIGHTS ARE TO BE INSTALLED APPROXIMATELY WHERE SHOWN. LIGHTS ARE TO BE INSTALLED ON WOOD POLES OF SUFFICIENT LENGTH TO OBTAIN A 30 FOOT MOUNTING HEIGHT. THE LUMINAIRE SHALL BE A 150 WATT, HIGH PRESSURE SODIUM LIGHT WITH TYPE II DISTRIBUTION ON A 4 FOOT ARM. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE POWER COMPANY FOR A POWER SOURCE THROUGH A METER FOR THE STREET LIGHTS, AND PAY ALL COSTS INCURRED UNTIL REMOVAL OF THE LIGHTS, POLES AND POWER SOURCE UPON COMPLETION OF THE PROJECT. PAYMENT TO BE SUBSIDIARY TO THE ITEM "MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS".
 - TO ALLOW THE CONTRACTOR ACCESS TO THE WORK AREA, THE NORMAL BARRIER TAPER CANNOT BE INSTALLED. AN ENERGY ABSORPTION ATTENUATOR SHALL BE INSTALLED ON THE END OF THE TEMPORARY BARRIER RAIL IF CONCRETE TEMPORARY RAIL BARRIER IS USED. THE ATTENUATOR UNIT SHALL BE PAID FOR UNDER THE ITEM 921.57. THE UNIT SHALL BE SUITABLE FOR A NARROW WIDTH APPLICATION.
- THESE ENERGY ABSORPTION ATTENUATORS SHALL MEET THE REQUIREMENTS OF THE 1977 ASHTO PUBLICATION "GUIDE FOR SELECTING, LOCATING AND DESIGNING TRAFFIC BARRIERS" AND SHALL BE DESIGNED FOR A 40 MPH DESIGN SPEED AND 4500 LBS. VEHICLE.
- THE REPLACEMENT OF ANY PORTION OF AN ATTENUATOR DAMAGED BY AN ERRANT VEHICLE WHILE IN PLACE SHALL BE AN EXTRA WORK ITEM.
- 8. SEE STANDARD SHT G-18 FOR CONCRETE TRAFFIC BARRIER DETAILS IF USED!**

STATE OF VERMONT		AGENCY OF TRANSPORTATION	
Town Of	ST. ALBANS TOWN	Bridge No.	9
Highway No.	TH 20	Log Sta.	REV STA. 10780 E
TH 20 OVER JEWETT'S BROOK			
TRAFFIC CONTROL SHEET			
Designed By	C. MEUNIER	Drawn By	C. MEUNIER
Checked By	R. WHITCOMB	Date	12/89
PROJECT	ST. ALBANS TOWN	Bridge Design Supervisor	D.E. LATHROP
PROJECT NO.	212 1118 (9)	Date	12/89
Loc. info.		Sheet 7 of 23	
Bridge Sheet No.			



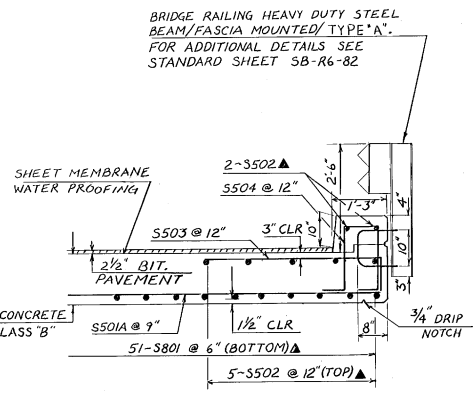
PLAN
NTS

NOTE: THE SLAB SHALL BE CAMBERED A TOTAL OF 1" @ MID SPAN. THIS CAMBER SHALL APPROXIMATE A CIRCULAR CURVE.

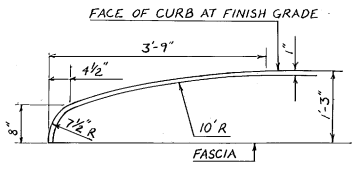


TYPICAL SECTION
SCALE 3/8" = 1'-0"

▲ CUT TO FIT, IN FIELD
** OUTLET DRIP NOTCHES 3' FROM FACE OF ABUTMENTS.

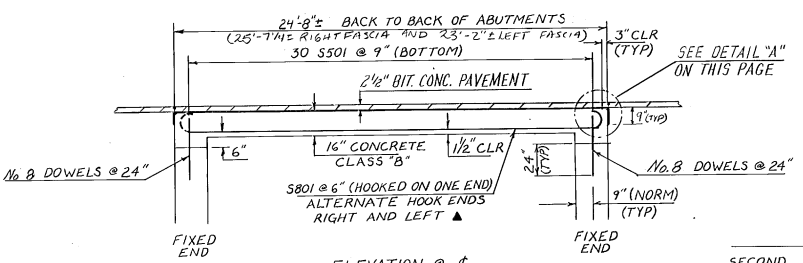


FASCIA & RAILING DETAIL
NTS

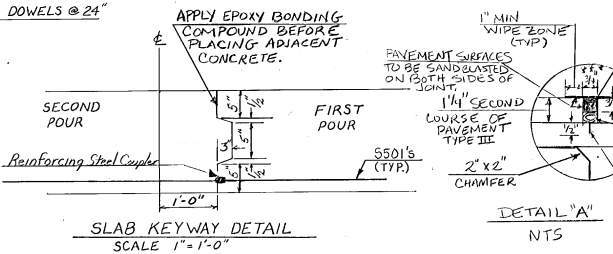


END OF CURB DETAIL
SCALE 1" = 1'-0"

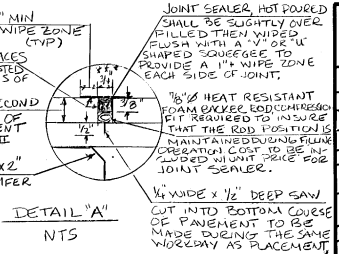
*** JOINT IS TO BE LOCATED APPROXIMATELY BY STRING Lining OR OTHER MEANS PRIOR TO PAVING SO THAT THE SAW CUTS WILL BE MADE DIRECTLY OVER THE END OF CONCRETE SLAB. JOINT SHALL BE CUT DRY IN A SINGLE PASS AND BE SEALED WITHIN 24 HOURS OR PRIOR TO EXPOSURE TO TRAFFIC. JOINT SHALL BE CLEANED PRIOR TO APPLYING THE JOINT SEALER. SEE VT. SPECIFICATION 524 AND SPECIAL PROVISIONS.



ELEVATION @ E
NTS



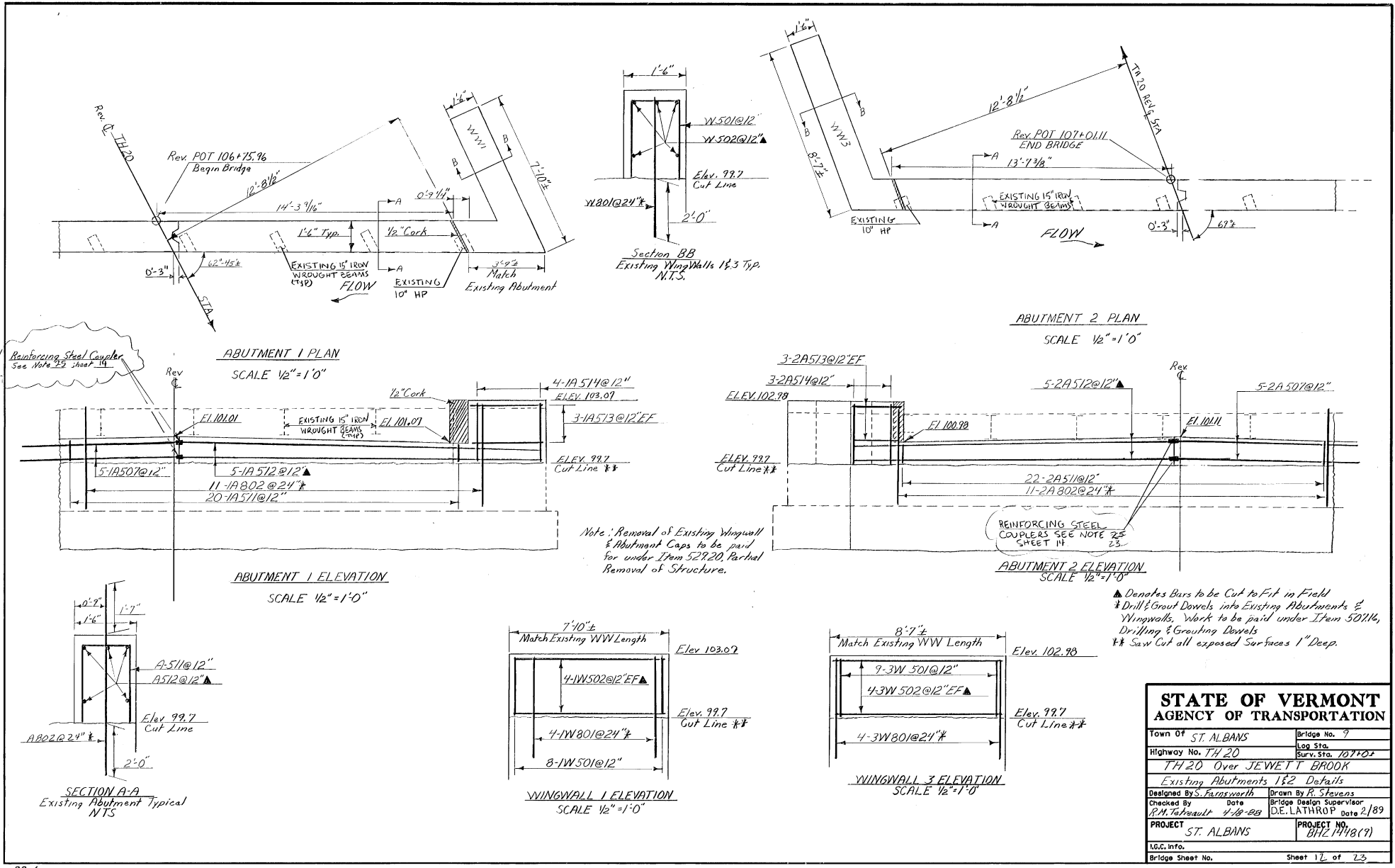
SLAB KEYWAY DETAIL
SCALE 1" = 1'-0"



DETAIL "A"
NTS

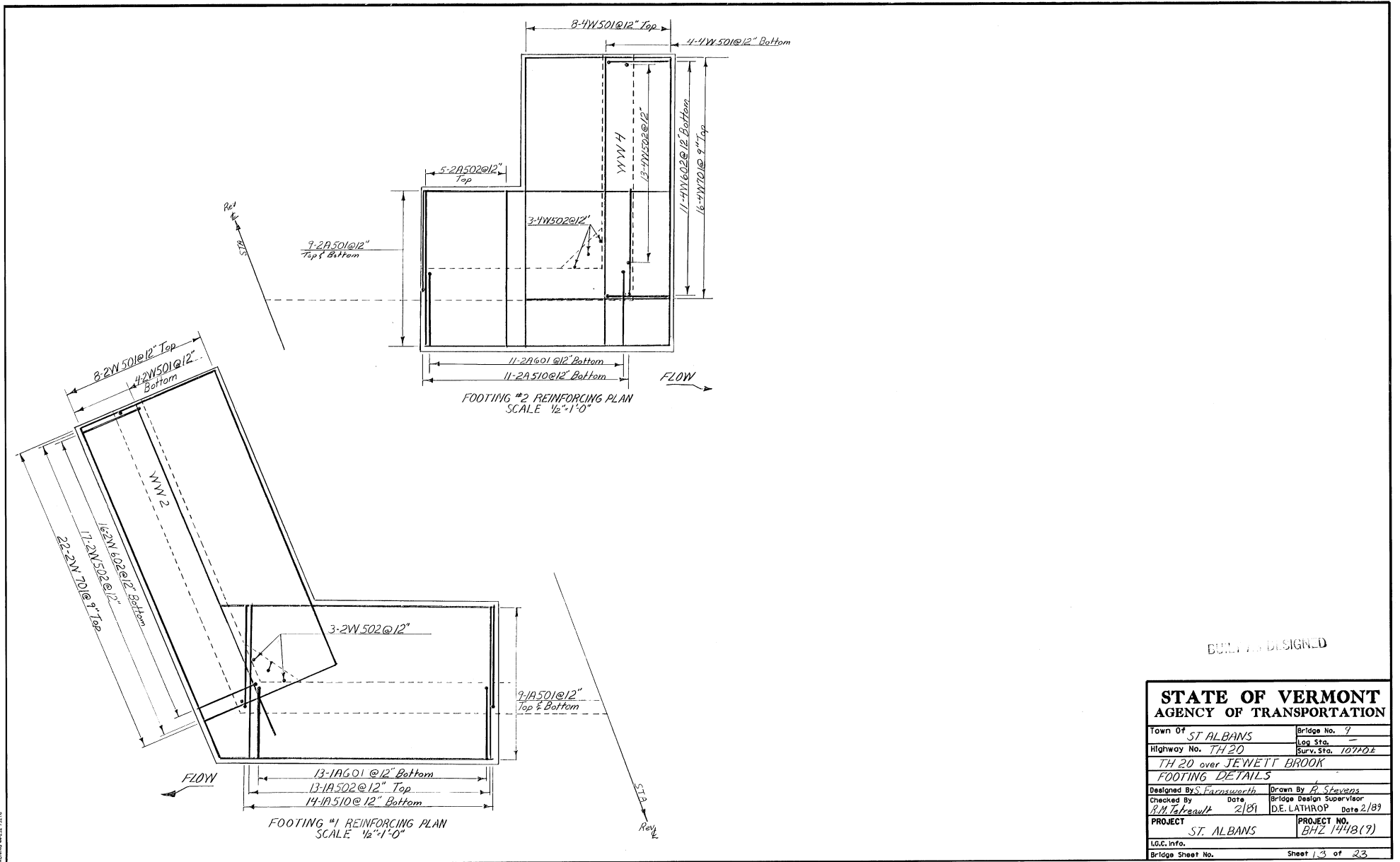
STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town of ST. ALBANS	Bridge No. 9
Highway No. TH 20	Log Sta. 106+28.50
TH 20 OVER JEWETT BROOK	
SLAB DETAIL SHEET	
Designed By S.G. FARNSWORTH	Drawn By C.S. PECOR
Checked By S.G. FARNSWORTH	Date 2/19/89
PROJECT ST. ALBANS	PROJECT NO. BHZ 1448 (9)
L.C. info.	Bridge Sheet No. 9 of 23



STATE OF VERMONT AGENCY OF TRANSPORTATION	
Town of ST. ALBANS	Bridge No. 9
Highway No. TH 20	Log Sta.
	Surv. Sta. 107R01
TH 20 Over JEWETT BROOK	
Existing Abutments 1 & 2 Details	
Designed By S. Farnsworth	Drawn By R. Stevens
Checked By R.M. Tremblay 4/18/88	Bridge Design Supervisor D.E. LATHROP Date 2/189
PROJECT ST. ALBANS	PROJECT NO. BHZ 1448(9)
I.G.C. Info.	
Bridge Sheet No.	Sheet 17 of 23

DRAWING 44-231 7/21/88

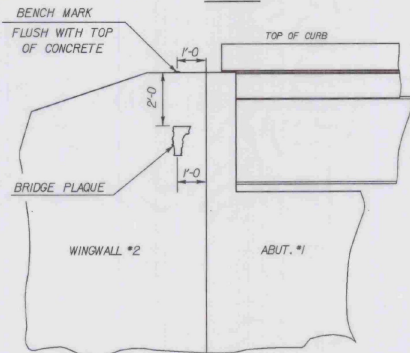
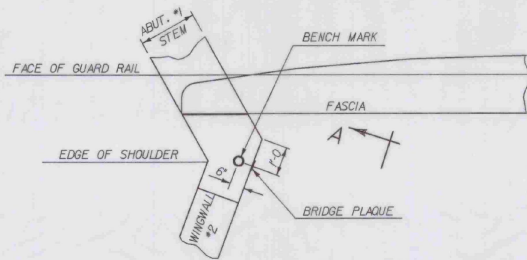


**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	ST ALBANS	Bridge No.	9
Highway No.	TH 20	Loc. Sta.	—
		Surv. Sta.	10770.2
TH 20 over JEWETT BROOK			
FOOTING DETAILS			
Designed By	S. Farnsworth	Drawn By	B. Stevens
Checked By	R.M. Tebault	Date	2/89
		Bridge Design Supervisor	D.E. LATHROP
		Date	2/89
PROJECT	ST. ALBANS	PROJECT NO.	BH2 1448(9)
I.G.C. info.			
Bridge Sheet No.		Sheet 13 of 23	

BR-4

GENERAL NOTES CONTINUED



VIEW "A - A"

LOCATE BENCH MARK AND BRIDGE PLAQUE

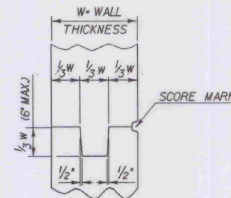
THE BRIDGE PLAQUE AND BENCH MARK WILL BE SUPPLIED BY THE AGENCY OF TRANSPORTATION AND SHALL BE INSTALLED BY THE CONTRACTOR AT ABUTMENT #1 ON THE RIGHT SIDE AS SHOWN OR AS DIRECTED BY THE ENGINEER.

THE BRIDGE PLAQUE WAS NOT INSTALLED BY THE CONTRACTOR BECAUSE IT WAS NOT SUPPLIED BY THE VAPT UNTIL AFTER CONSTRUCTION WAS COMPLETED. CWC

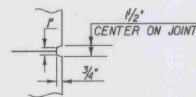
10. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO STATE OF VERMONT, AGENCY OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, AND ITS LATEST REVISIONS, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND ITS LATEST REVISIONS. DESIGN IS FOR HS-20 LIVE LOAD.
11. THE HEIGHT OF FILL BEHIND ABUTMENTS WILL BE LIMITED TO BRIDGE SEAT ELEVATION UNTIL THE SLAB HAS BEEN POURED AND CURED.
12. IN ALL HORIZONTAL CONSTRUCTION JOINTS, SHEAR KEYS SHALL BE FORMED, AS DETAILED BELOW, AND THEY SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE JOINT. ANY MALE KEY SHALL BE PLACED INTEGRALLY WITH THE CONCRETE BELOW THE JOINT.
13. TRAFFIC SHALL NOT BE ALLOWED ON THE NEW BRIDGE UNTIL THE SPECIFIED CURE PERIOD OF 10 DAYS HAS EXPIRED.
14. ALL REINFORCING STEEL SHALL BE DETAILED AND FABRICATED USING PROCEDURES AND TOLERANCES IN ACCORDANCE WITH APPLICABLE PUBLICATIONS OF THE 'CONCRETE REINFORCING STEEL INSTITUTE'.
15. MINIMUM COVER FOR REINFORCING STEEL SHALL BE TWO (2) INCHES ALONG BACK FACES OF WALLS AGAINST EARTH, AND THREE (3) INCHES ELSEWHERE, EXCEPT AS NOTED IN THE TYPICAL SLAB DETAILS ON SHEET 9 OF 23.
16. REINFORCING PLACEMENT TOLERANCES SHALL BE:
SPACING $\pm 1"$
CLEARANCE $\pm 1/4"$
17. NO BORINGS WERE TAKEN ON THIS PROJECT. SUBSURFACE CONDITIONS MAY VARY FROM THE CONDITIONS ASSUMED FOR DESIGN.
18. WATER REPELLENT SHALL BE APPLIED TO ALL EXPOSED CONCRETE SURFACES EXCEPT THE UNDERSIDE OF DECK BETWEEN DRIP BEADS.
19. THE FOLLOWING TABLE OF ALLOWABLE STRESSES AND WEIGHTS APPLY TO THESE PLANS FOR DESIGN PURPOSES:

CONCRETE: $f'_c = 3500$ PSI	$f_c = 1400$ PSI
REINFORCING STEEL: $F_t = 24,000$ PSI Grade 60	
SOIL: UNIT WEIGHT	140 PCF

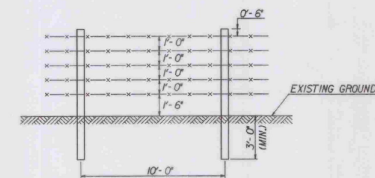
20. ALL DIMENSIONS ARE HORIZONTAL OR VERTICAL, AND ARE GIVEN AT 60 DEGREES F.
21. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1" BY 1".
22. JOINTS AND SCORE MARKS IN CONCRETE SHALL BE CONSTRUCTED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
23. COUPLERS FOR REINFORCING STEEL SHALL PROVIDE A MINIMUM YIELD STRENGTH EQUAL TO 125% OF THAT OF THE REINFORCING STEEL. COST OF THE COUPLERS AND THEIR INSTALLATION SHALL BE SUBSIDIARY TO THE ITEM 'REINFORCING STEEL'.
24. ALL STONE FILL ABOVE NORMAL WATER LEVEL SHALL BE COVERED WITH NATIVE TURF AS DETAILED ON THE CHANNEL SECTIONS. TURF SHALL CONSIST OF GRUBBED OR STRIPPED EARTH MATERIAL CONTAINING ROOTS OF NATIVE STREAMBANK VEGETATION. PROVIDE FOR TEMPORARY EROSION CONTROL BY APPLYING GRASS SEED AND HAY MULCHING. THIS WORK IS TO BE PAID FOR UNDER THE ITEM 'GRUBBING MATERIAL'.
25. EXISTING FENCE LOCATED IN CONSTRUCTION AREA SHALL BE REMOVED AND RESET ON THE PASTURE SIDE 6' FROM THE SNOW FENCE UNDER THE ITEM 'REMOVING AND RESETTING FENCE (MOD)'.
26. AFTER THE BRIDGE / ROADWAY IS COMPLETED, NEW FENCING SHALL BE PLACED BETWEEN REVISED STATIONS 108+50± RIGHT AND 108+10± RIGHT. THE NEW FENCING WILL CONSIST OF FIVE STRANDS OF BARBED WIRE WITH PROPER TENSION. THE POSTS WILL BE PRESSURE TREATED WOOD AND PLACED 10 FEET ON CENTER AND INSERTED INTO THE GROUND AT LEAST 36 INCHES. SEE DETAILS ON THIS SHEET. THE POSTS WILL BE INSTALLED ON THE NEW R-O-W LINE FOR TH 20. PAYMENT WILL BE MADE UNDER THE ITEM 'BARBED WIRE FENCE'.
27. THE FINAL REMOVAL OF TEMPORARY FENCING WILL BE SUBSIDIARY TO THE ITEM 'REMOVING AND RESETTING FENCE (MOD)'.



TYPICAL CONCRETE CONSTRUCTION JOINT



SCORE MARK DETAIL

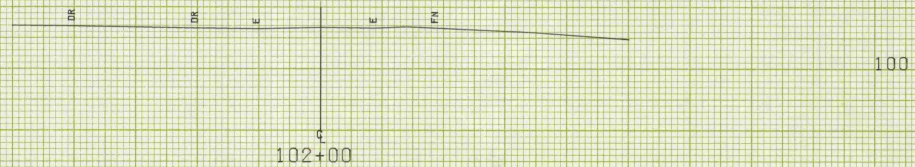
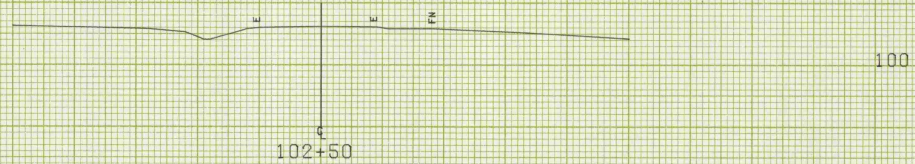
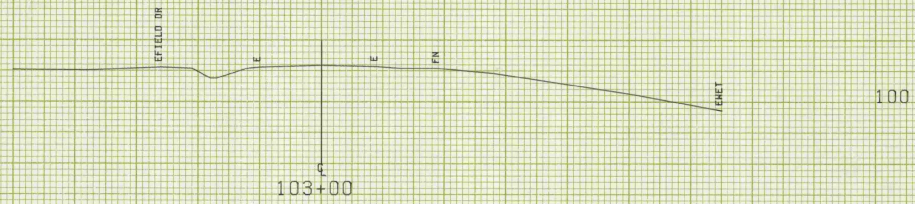
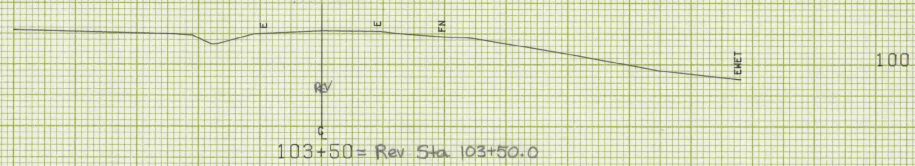
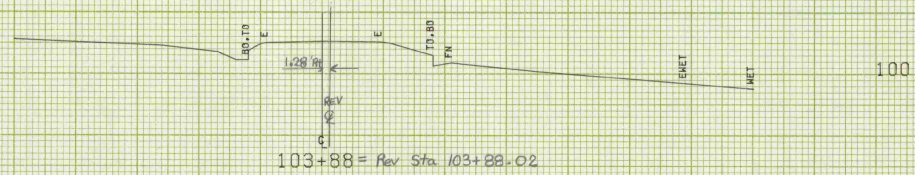


BARBED WIRE FENCE TYPICAL

NTS

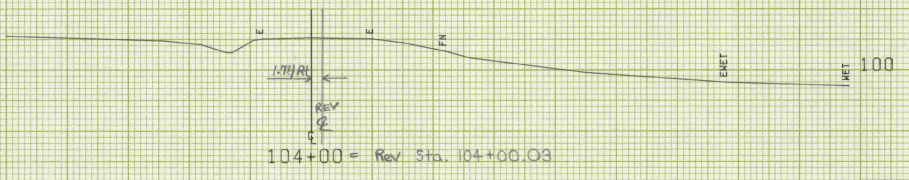
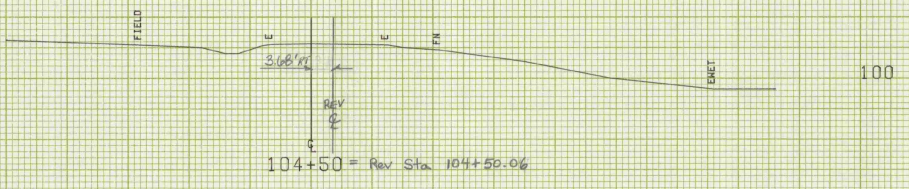
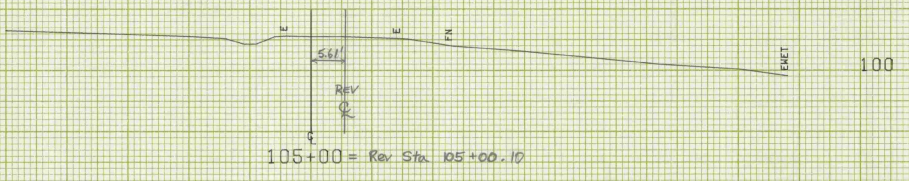
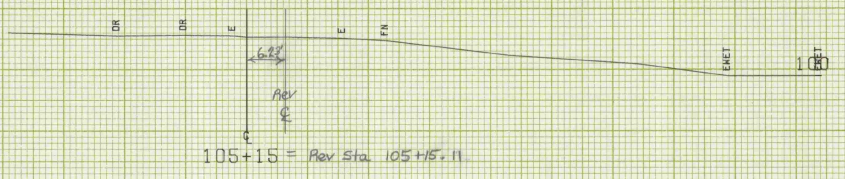
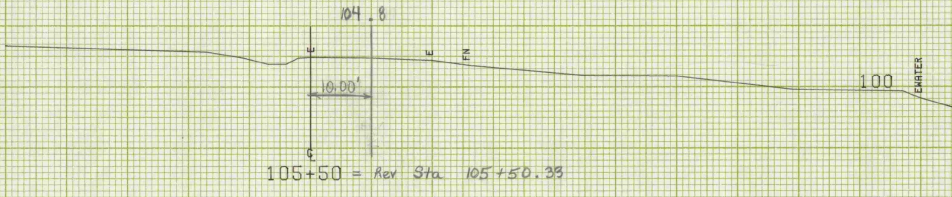
STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	ST. ALBANS	Bridge No.	9
Highway No.	TH 20	Log Sta.	
		Surv. Sta.	107+00 +/-
TH 20 OVER JEWETT BROOK			
CONCRETE DETAILS AND GENERAL NOTES CONT			
Designed By	S. FARNSWORTH	Drawn By	R. JETREAU
Checked By	S. FARNSWORTH	Date	2/89
		Bridge Design Supervisor	D. E. LATHROP
		Date	12/89
PROJECT	ST. ALBANS	PROJECT NO.	BHZ 1448(9)
LOG. info.	ZF AH 30,54163C509.DGN		63C509.PRF
Bridge Sheet No.		Sheet	14 of 23



FROM STA.	102+00	TO STA.	103+88
PROJECT NAME	ST ALBANS TOWN		MAIN
NO.	BH21448(B)	PLOTTED	07/19/84
SURVEYED BY	BRADY	MARCH	1983
SHEET	16	OF	22 SHEETS

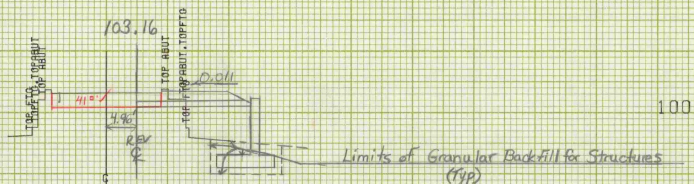
SCALE 1" = 10 FEET



FROM STA. 104+00 TO STA. 105+50
 PROJECT NAME ST ALBANS TOWN MAIN
 NO. BZ1448(9) PLOTTED 07/19/84
 SURVEYED BY BRADY MARCH 1983
 SHEET 109 OF 23 SHEETS

SCALE 1" = 10 FEET

Rev Sta 107+05 Lt, End Bridge Rail
Begin Heavy Duty Steel Beam Guard Rail



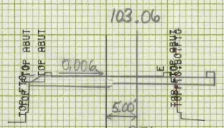
107+08.25 = Rev Sta 107+01.26 + Rev Sta 107+06.7 - Inca 203.15 -

Rev Sta 106+78.6 = Section - Inca 203.15 -

Rev Sta 106+83.7 = Section - Inca 203.15 -

Rev Sta 107+01.11 End Bridge

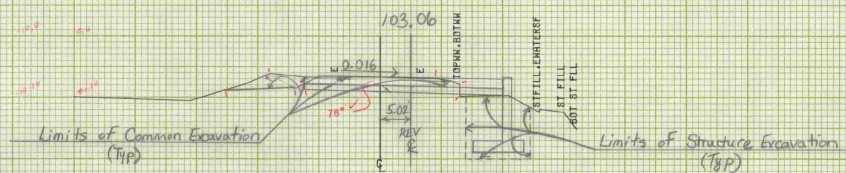
Rev Sta 106+99.5 RT End Bridge Rail / Begin
Heavy Duty Steel Beam Guard Rail



106+87.30 = Rev Sta 106+80.31

100

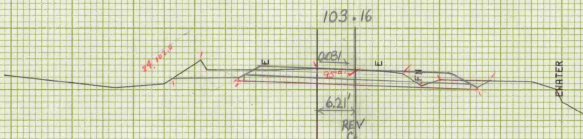
Rev Sta 106+75.96 Begin Bridge



106+75 = Rev Sta 106+68.03

100

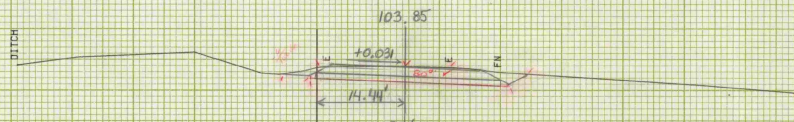
Rev Sta 106+68 Rt, End Guard Rail
Begin Bridge Railing - HD Steel Beam /
Fascia Mounted



106+50 = Rev Sta 106+42.96, Same as Rev Sta's 106+71 & 106+21 - Inca 203.15 -

100

Rev Sta 106+11 Rt Begin Heavy Duty
Steel Beam Guard Rail



106+00 = Rev Sta 105+42.26, Same as Rev Sta 105+75 (Bank) - Inca 203.15 -

100

Rev Sta 105+75 Begin Project
Construct Satisfactory Approach



FROM STA. 106+00 TO STA. 107+08.25
PROJECT NAME ST ALBANS TOWN MAIN
NO. SH21448(9) PLOTTED 07/19/84
SURVEYED BY BRADY
SHEET 18 OF 23 SHEETS MARCH 1983

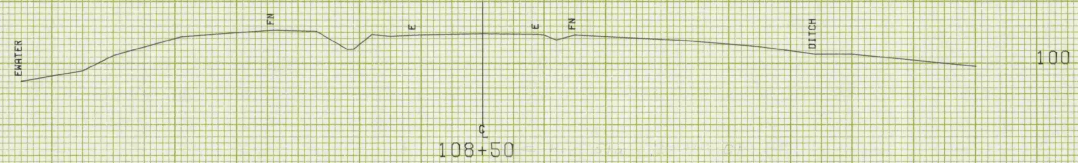
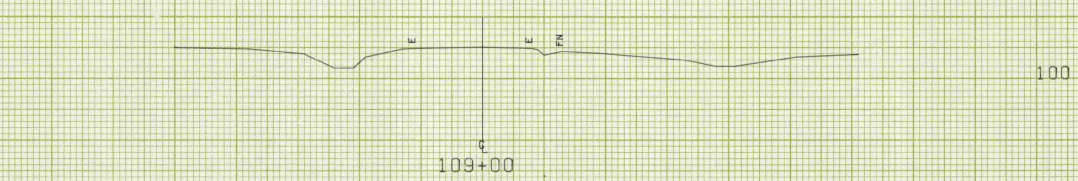
SCALE 10 FEET

Item 203.15

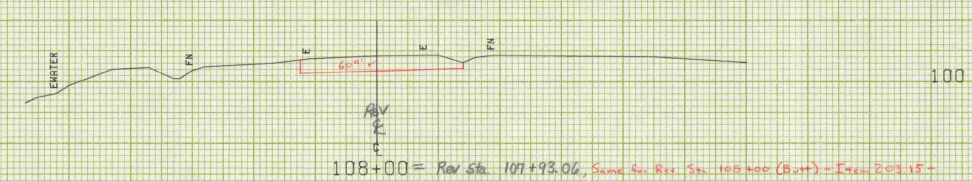
Common Excavation:

Sta	Area	Dist	Vol
105+75	80' x 1'		
106+16	75' x 1'	36'	3150 cu yd
106+31	75' x 1'	24'	1900 cu yd
106+58	70' x 1'	37'	3200 cu yd
106+83.9	0' x 1'	18.7'	612 cu yd
106+93.6	0' x 1'		
107+06.7	47' x 1'	13.1'	267 cu yd
107+18	57' x 1'	11.3'	554 cu yd
107+50	101' x 1'	32'	2520 cu yd
107+63	101' x 1'	19'	1917 cu yd
108+00	60' x 1'	31'	2496 cu yd

$16620 \text{ (cu yd)} = 616 \text{ cu yd}$
 (CFO) (W.B. 11)
 DEPENDS UPON
 BRK



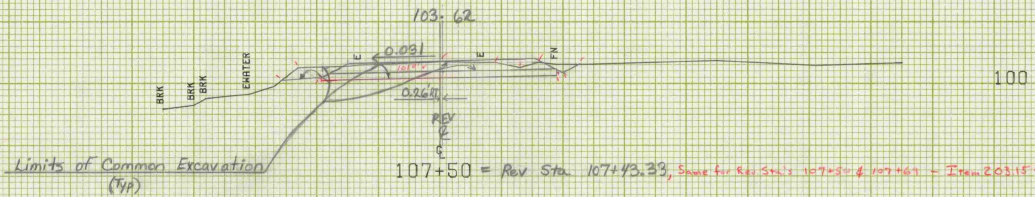
Rev Sta 108+00 End Project
 Construct Satisfactory Approach



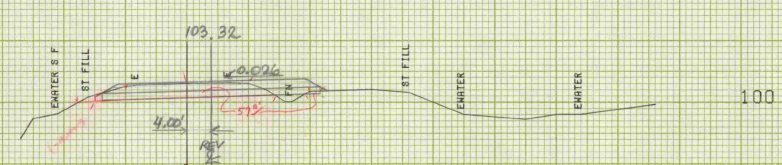
108+00 = Rev Sta 107+93.06, Same for Rev Sta 108+00 (Butt) - Item 203.15 -

Rev Sta 107+69 Lt, End Guard Rail

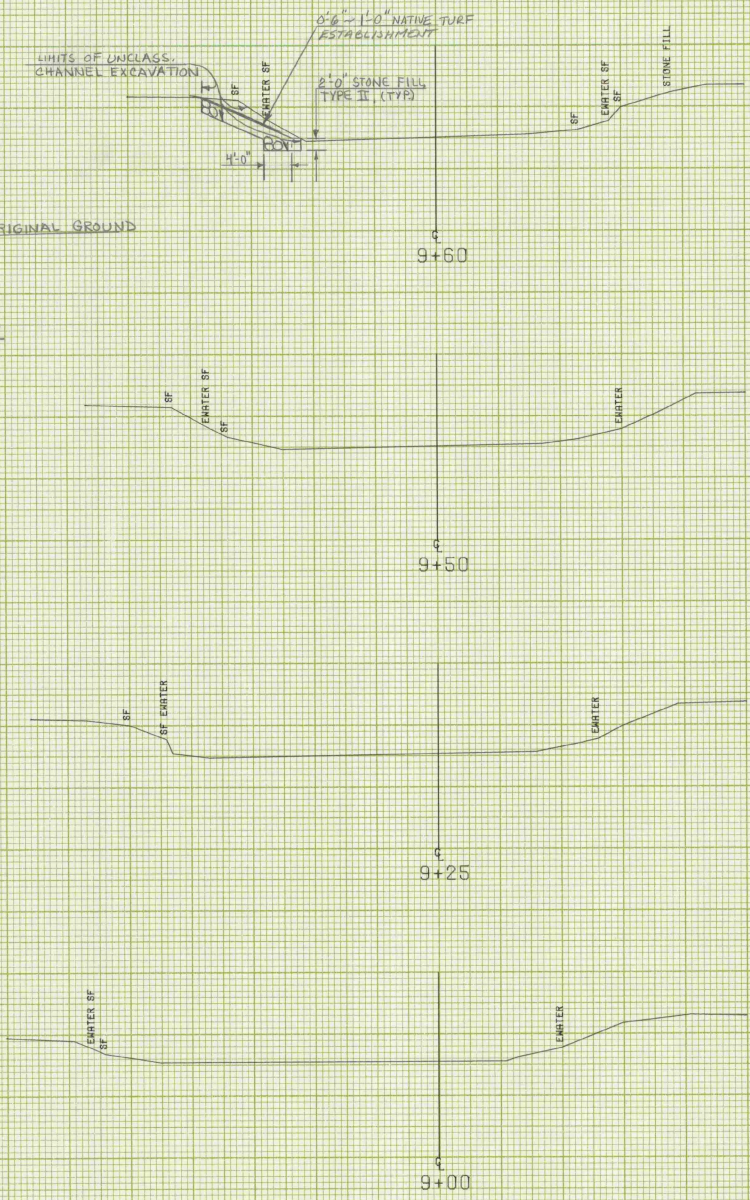
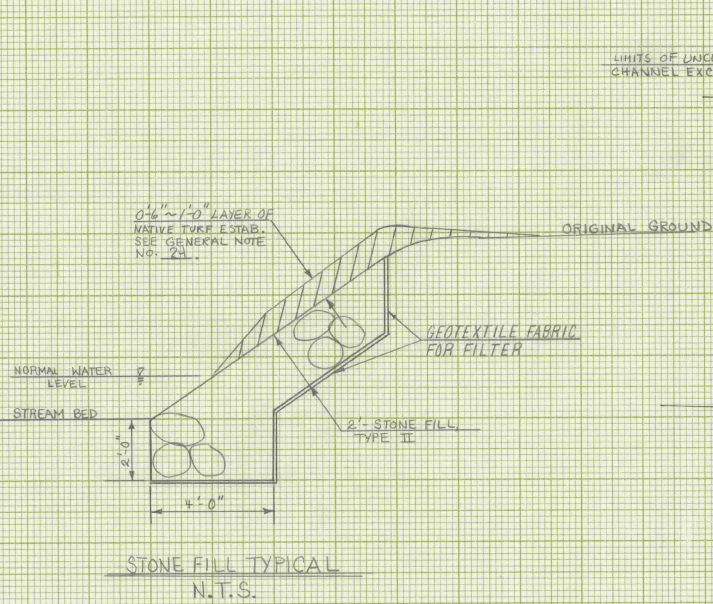
Rev Sta 107+45 Rt, End Guard Rail



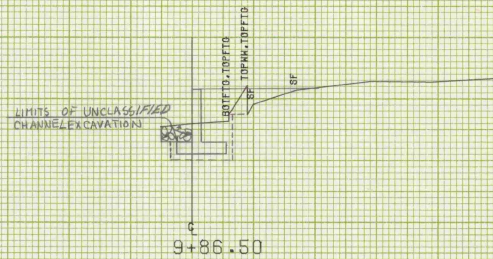
107+50 = Rev Sta 107+43.39, Same for Rev Sta's 107+50 & 107+63 - Item 203.15 -



107+25 = Rev Sta 107+18.01

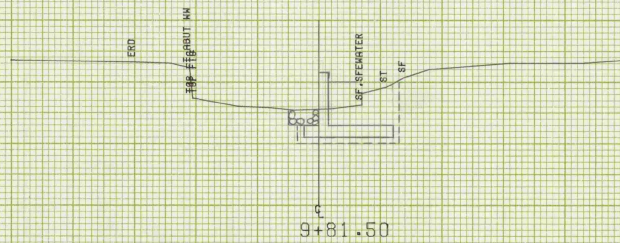


STA 9+50 L+, BEGIN STONEFILL AND UNCLASSIFIED CHANNEL EXCAVATION SEE STONE FILL TYPICAL AT LEFT, THIS SHEET.



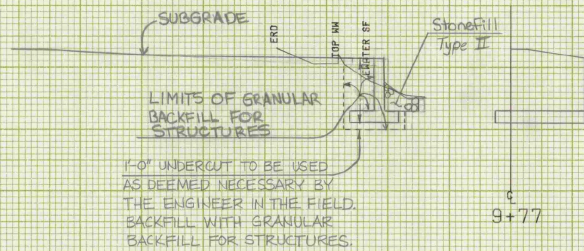
STA. 9+87 END STRUCTURE EXCAVATION AND GRANULAR BACKFILL FOR STRUCTURE FOR ABUTMENT #2

90



STA. 9+81 END STRUCTURE EXCAVATION AND GRANULAR BACKFILL FOR STRUCTURES FOR ABUTMENT #1

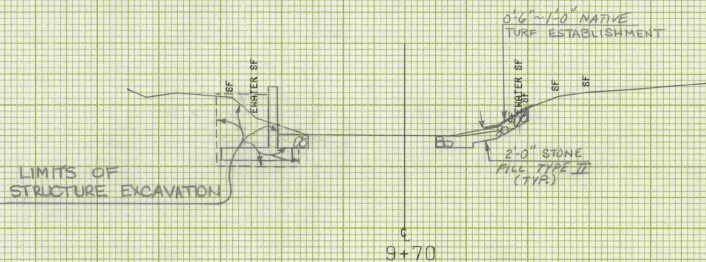
90



STA. 9+87 RT END STONEFILL

90

STA. 9+75 BEGIN STRUCTURE EXCAVATION AND GRANULAR BACKFILL FOR STRUCTURE FOR ABUTMENT #2



STA. 9+81 LT END STONEFILL

90

STA. 9+67 RT BEGIN STONEFILL
STA. 9+62 BEGIN STRUCTURE EXCAVATION AND GRANULAR BACKFILL FOR STRUCTURES FOR ABUTMENT #1

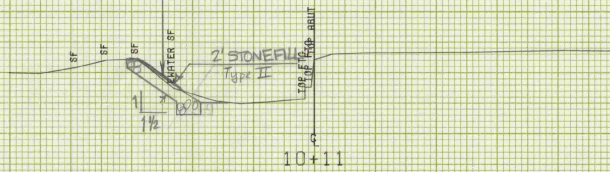
FROM STA.	8+70	TO STA.	9+86.50
PROJECT NAME	ST ALBANS TOWN	CHAN	
NO.	BH21448(9)	PLOTTED	07/19/84
SURVEYED BY	BRADY	MARCH	1983

SCALE 1" = 10 FEET

SHEET 22 OF 24 SHEETS

STA 10+11 RT BEGIN STONEFILL
TYPE II

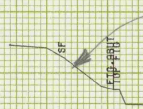
0'-6" x 1'-0" NATIVE
TURF ESTABLISHMENT



100

10+11

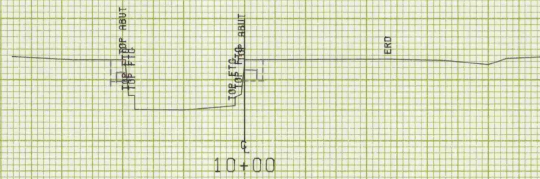
Add Stone Fill, Type II to Existing
Stone Fill where necessary



90

STA 10+03 L+ BEGIN STONEFILL
TYPE II

10+04



100

10+00

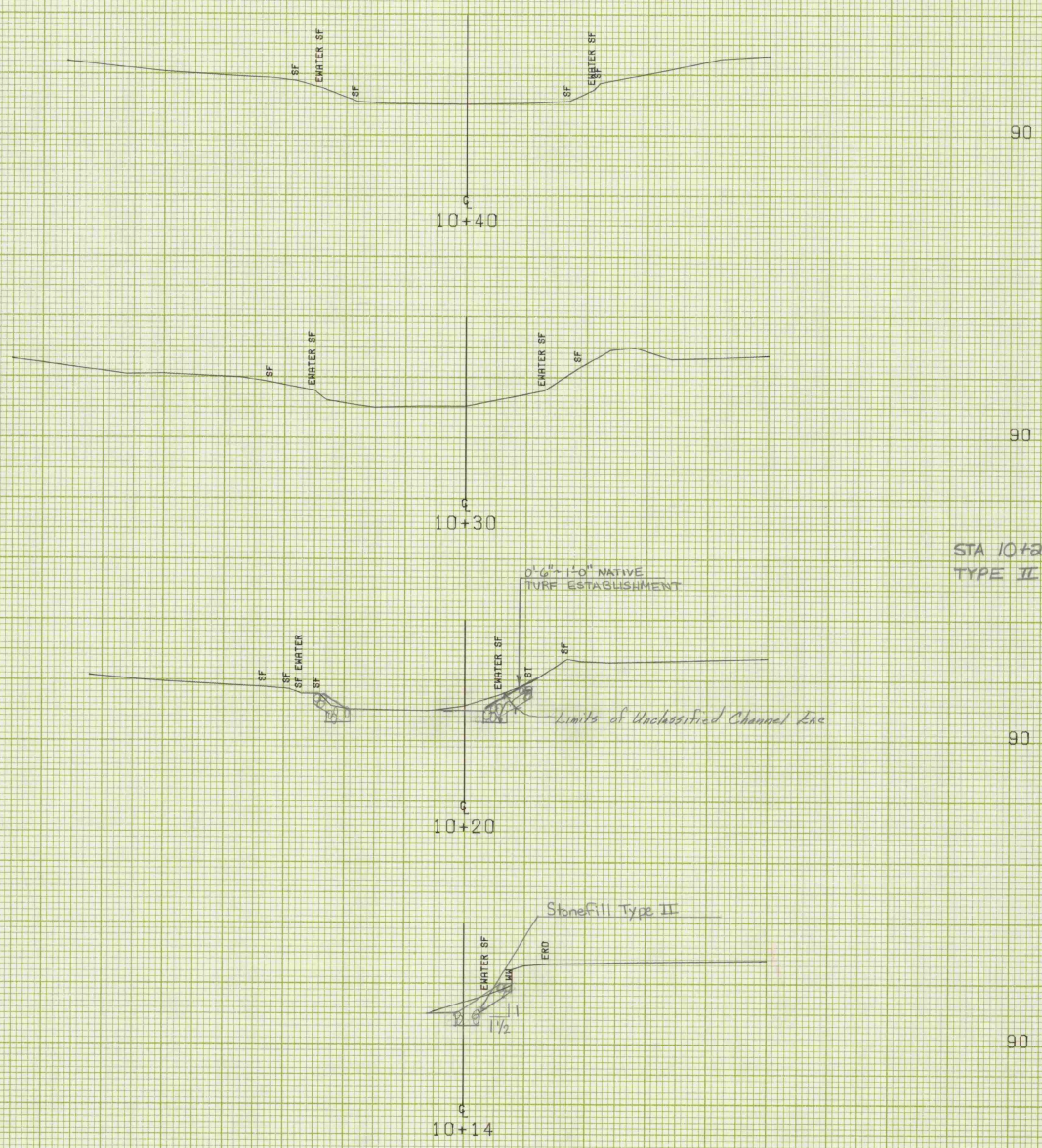


100

9+87.50

FROM STA. 9+87.50 TO STA. 10+11
PROJECT NAME ST ALBANS TOWN CHAN
NO. SH21448(9) PLOTTED 07/19/84
SURVEYED BY BRADY
SHEET 28 OF 23 SHEETS MARCH 1983

SCALE 1" = 10 FEET



STA 10+23 LEFT END STONEFILL
TYPE II

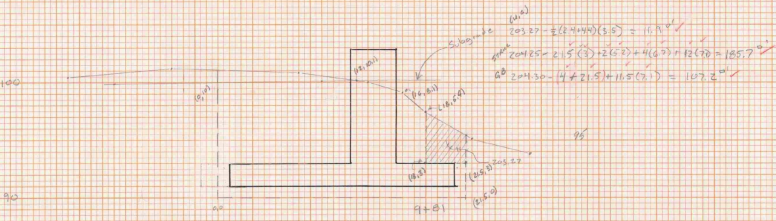
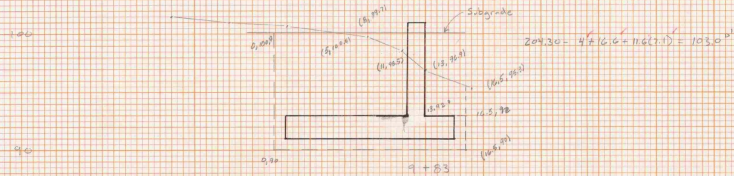
90
90
90
90

FROM STA.	10+14	TO STA.	10+40
PROJECT NAME	ST ALBANS TOWN CHAN		
NO.	BH21448(9)	PLOTTED	07/19/84
SURVEYED BY	BRADY	MARCH	1983
SHEET	28	OF	29 SHEETS

SCALE 1" = 10 FEET

FINAL
 DWG. NO. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____
 PROJECT NO. _____

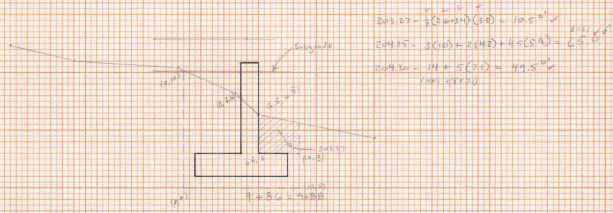
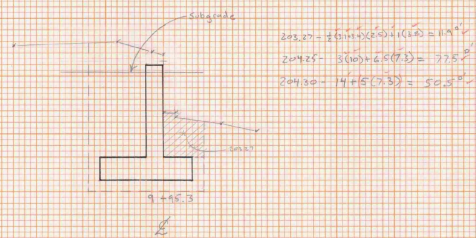
DATE _____
 DWG. NO. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____
 PROJECT NO. _____



9+72 = Spur X - Section ✓

9+70

ABUTMENT # 1



Exp. 209.27 -
 Vordimensionierung

Stk	Dise	Area	Vol
9+64	5	6.9	50
9+66	4.5	10.5	107
9+68	4.5	11.7	100(7.5) = 847.5

Exp. 200.30 -
 Schuttbauwerke

Stk	Dise	Area	Vol
9+72	2	0	33.2
9+74	7	33.2	408.4
9+81	2	27.2	210.8
9+83	3	103.0	826.0
9+86	4.5	47.8	465.0
9+88	5	50.5	472.6

1426.6 (1/2) = 527.4

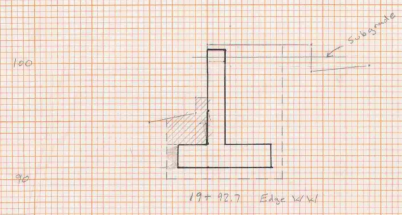
Exp. 200.15 -
 Schuttbauwerke

Stk	Dise	Area	Vol
9+72	2	0	42.4
9+74	7	33.2	798.4
9+81	2	185.7	626.8
9+86	5	65.0	602.6
9+88	4.5	77.5	747.5

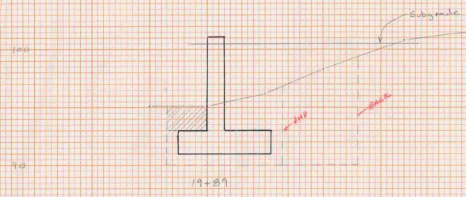
2130.2 (1/2) = 747.5

2130.2 (1/2) = 747.5
 200
 2130.2

Exp. 200.15 -
 Schuttbauwerke
 2130.2 (1/2) = 747.5
 200
 2130.2

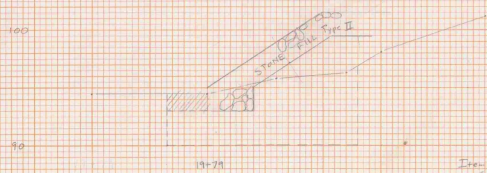


$204.27 = 10.2 \text{ ft} \checkmark$
 $204.25 = 3(10) + 6.5(7.5) = 78.8 \text{ ft} \checkmark$
 $204.30 = 14 + 5(7.5) = 51.5 \text{ ft} \checkmark$



$204.27 = 7.5 \text{ ft} \checkmark$
 $204.25 = (Allow) 3(10) + \frac{1}{2}(10+30)(6.5) = 49.2 \text{ ft} \checkmark$
 $(Bank) 49.2 + \frac{1}{2}(25+49)(6.5) = 101.7 \text{ ft} \checkmark$
 $204.30 = (Allow) 14 + 5(7.5) = 51.5 \text{ ft} \checkmark$
 $(Bank) 51.5 + 6.5(10.5) = 119.8 \text{ ft} \checkmark$

Extra Setback for 204.30

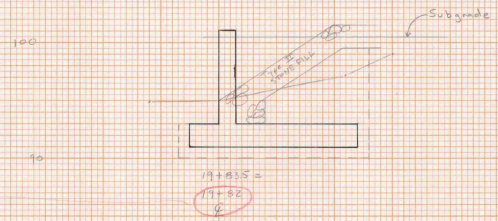


$204.27 = 5.3 \text{ ft} \checkmark$
 $204.25 = 3(10) + \frac{1}{2}(10+30)(6.5) + 1(6.5) = 81.3 \text{ ft} \checkmark$
 $204.30 = 5(6.5) + \frac{1}{2}(6+6.5)(7) + 6.5(10.5) = 72.9 \text{ ft} \checkmark$

Item 204.25 Structure Excavation

Size	Dist	Area	Vol.
19+79	10	84.3	931.6
+89 (B)		101.9	
+89 (A)	49.2	49.2	237.6
+92.7	3.7	78.8	

$116.8 \text{ ft} \times \frac{1}{2} = 43 \text{ ft} \checkmark$
 600
 2.25 ft
 7/16/11



$19+83.5$
 $204.30 = 60.5 + 11.5(7.5) = 106.8 \text{ ft} \checkmark$
 $19+82.7$
 $204.30 = 20.5 + \frac{1}{2}(20+6.5)(6.7) + 6.5(10.5) = 74.6 \text{ ft} \checkmark$

Item 204.30 Structure Excavation

Size	Dist	Area	Vol.
19+79	3	92.9	236.3
+82		64.6	
+83.5		106.9	
+87 (B)	5.8	117.9	683.3
+89 (A)		68.5	
+92.7	3.7	57.8	191.1

$1000 \text{ ft} \times \frac{1}{2} = 38 \text{ ft} \checkmark$ by 600 ft
 8.5 ft
 7/16/11

Item 203.27 Structure Excavation

Size	Dist	Area	Vol.
19+79	10	5.8	64.0
+89 (B)		7.5	
+89 (A)	3.7	10.2	82.7
+92.7 (Bank)		10.2	106.7

$106.7 \text{ ft} \times \frac{1}{2} = 3.6 \text{ ft} \checkmark$
 11/1/11

ABUTMENT # 2 - 8x5 10x19.50 = 8x5 20' x 100 @ 29' 4"

STATE OF VERMONT AGENCY OF TRANSPORTATION



PROPOSED IMPROVEMENT BRIDGE PROJECT

TOWN OF ST. ALBANS
COUNTY OF FRANKLIN

ROUTE NO TH 20 BRIDGE NO. 9

PROJECT LOCATION BEGINNING 1.177 MILES FROM THE INTERSECTION OF VT 36 AND TH 20 AND HEADING NORTHERLY 0.043 MILES (225.0 FT) ALONG TH 20.
PROJECT DESCRIPTION REMOVE EXISTING SUPERSTRUCTURE, WIDEN ABUTMENTS ON DOWNSTREAM SIDE, ADD NEW CONCRETE SLAB, RELATED ROADWAY AND CHANNEL WORK.

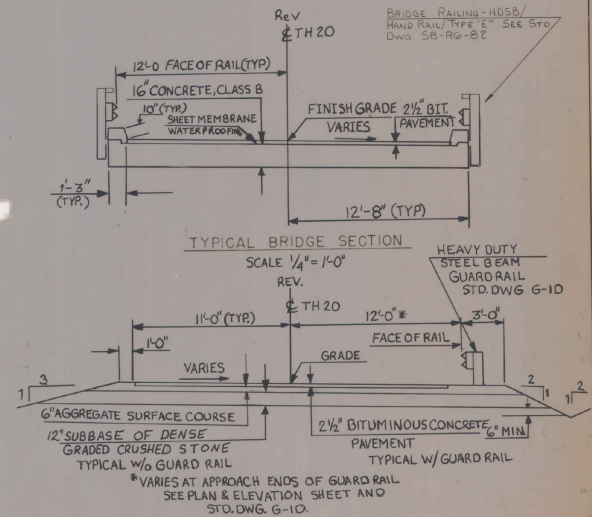
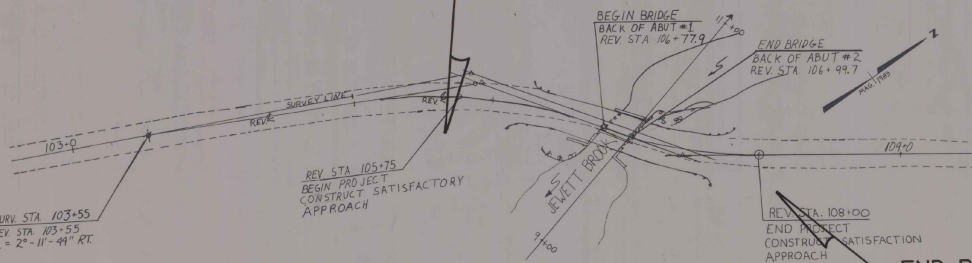
LENGTH OF STRUCTURE 21.8 FEET = 0.004 MILES
LENGTH OF PARTICIPATION ROADWAY 203.2 FEET = 0.039 MILES

LENGTH OF R.O.W. PROJECT 247.0 FEET = 0.047 MILES



R.O.W. PLANS

BEGIN R.O.W. PROJECT
BHZ 1448(9) REV. STA. 105+65 25' RT.



END R.O.W. PROJECT
BHZ 1448(9) REV. STA. 108 + 12 25' RT.

CONVENTIONAL SIGNS

- COUNTY LINE
- TOWN LINE
- LIMITS OF ACCESS
- POINT OF ACCESS
- FENCE LINE
- STONE WALL
- TRAVELED A
- RAILROAD
- SURVEY LINE
- CULVERT
- POWER POLE
- TELEPHONE POLE
- TREES
- CONTROL OF ACCESS
- PROPERTY LINE
- ROW TRAILING LINE
- SLOPE RIGHTS
- TOP OF CUT
- TOE OF SLOPE

** Table shows head-water elevations of the structure based on various flow frequencies occurring with Lake Champlain @ several flood elevations.

HYDRAULIC DATA

DRAINAGE AREA = 7.0 SQ. MI.
Q10 = 400 CFS
Q25 = 550 CFS
Q50 = 675 CFS
Q100 = 800 CFS

TAILWATER @ Q25 = EL101.6
OUTLET VELOCITY @ Q25 = 5.4 FPS

HEADWATER ELEVATIONS ** (AFFECTED BY LAKE CHAMPLAIN)

Stream Flow @	Q10 (101.0)	Q25 (101.6)	Q50 (101.8)	Q100 (102.0)
Stream Flow @ Q10	101.4	102.0	102.2	102.4
Q25	101.8	102.4	102.6	102.8
Q50	102.2	102.8	103.0	103.3
Q100	102.6	103.3	103.3	103.4

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER. CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1985, FOR USE ON THESE PROJECTS, INCLUDING ALL SUBSEQUENT PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED: *[Signature]* DATE: 4/2/97
Dir., Dept. of Planning & Preconstruction

APPROVED: *[Signature]* DATE: 2/1/97
Chief Property Administration

**ST. ALBANS
BHZ 1448(9)**
SHEET 1 OF 5

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

PARCEL NO.	GRANTOR	SHEET NO.	BEGINNING STATION	ENDING STATION	TAKING	REM.	RIGHTS	TITLE TAKEN	DATE	TOWN OR CITY RECORDED	BK.	PG.	REMARKS	REVISION NO.	SHEET NO.	DESCRIPTION OF REVISION	DATE	MADE BY	APPROVED BY	
1	LUNEAU, ROGER N. & CAROL A.	3	REV. 105 + 65 RT. REV. 106 + 00 RT. REV. 106 + 39 RT. REV. 106 + 93 RT. REV. 107 + 14 RT.	REV. 108 + 12 RT. REV. 106 + 31 RT. REV. 106 + 64 RT. REV. 107 + 13 RT. REV. 107 + 35 RT.	0.02 A±		EASE. TO INSTALL (T) CHANNEL (P) (110 S.F±) CHANNEL (P) (50 S.F±) EASE. TO INSTALL (T)	WDOE	8-28-91	ST. ALBANS	67	644-646	770 S.F± ARCHAEOLOGICAL FENCE ARCHAEOLOGICAL FENCE	1	3,4	Parcel No 1 Delete const. ease (T) & added archaeological fencing per Co. # 7834 Mylars to Structures 10-9-90	11-16-89	JDP	JDP	
2	BOURBEAU, PAUL C. & BONNIE M.	3	REV. 105 + 88 LT. REV. 106 + 79 LT.	REV. 108 + 00 LT. REV. 106 + 89 LT.			CONST. EASE. (T) (0.03 A±) CHANNEL (P) (25 S.F±)	WDOE	1-29-91	ST. ALBANS	65	347-348	1153 S.F±							

LEGEND

MADE BY: A.S.J. DATE 5/6/87
 CHECKED BY: J.D.P. DATE 5/6/87

DR. RT.- DRAINAGE RIGHT
 DIT. RT.- DITCHING RIGHT
 CH. RT.- CHANNEL RT.
 DRIVE RT.- DRIVE RIGHT
 CUL. RT.- CULVERT RIGHT
 (D)- DEMOLITION OR REMOVAL
 (W)- WATER SOURCES
 (P) TAKING WITH ACCESS
 (T) PERMANENT EASEMENT
 (L) TEMPORARY EASEMENT

--- CONST. EASE. ---
 SR SR SLOPE RIGHTS
 P PROPERTY LINE
 Δ Δ TOP OF CUT
 ○ ○ ○ TOE OF SLOPE

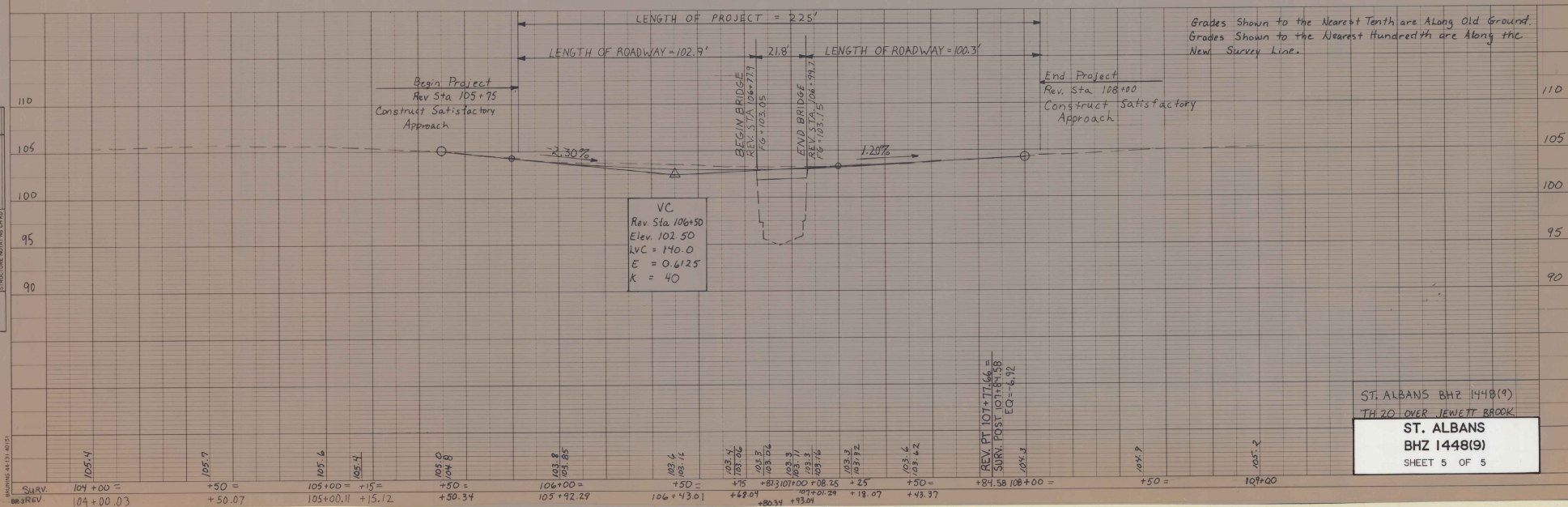
R.O.W. PLANS

APPROVED: [Signature] DATE: 5-2-87
 AGENT D. PLANS & TITLES

ST. ALBANS
 BHZ 1448 (9)
 SHEET 3 OF 5

PLAN
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. OF SHEETS: _____
 NO. OF THIS SHEET: _____

PROFILE
 DATE: _____
 BY: _____
 CHECKED: _____
 DATE: _____
 NO. OF SHEETS: _____
 NO. OF THIS SHEET: _____



ST. ALBANS BHZ 1448(9)
 TH 20 OVER JEWETT BROOK
ST. ALBANS
BHZ 1448(9)
 SHEET 5 OF 5

Vermont Agency of
Transportation
Phase III- Interstate
#090303-01
INITIALS
Hanger 3889

ST. ALBANS
BHZ 1448(9)

1991

1991

VERMONT AGENCY OF
TRANSPORTION
PHASE III-INTERSTATE
HANGER 3936

R.O.W.
1987

ST. Albans
B.H.Z. 1448 (9)

R.O.W.
1987