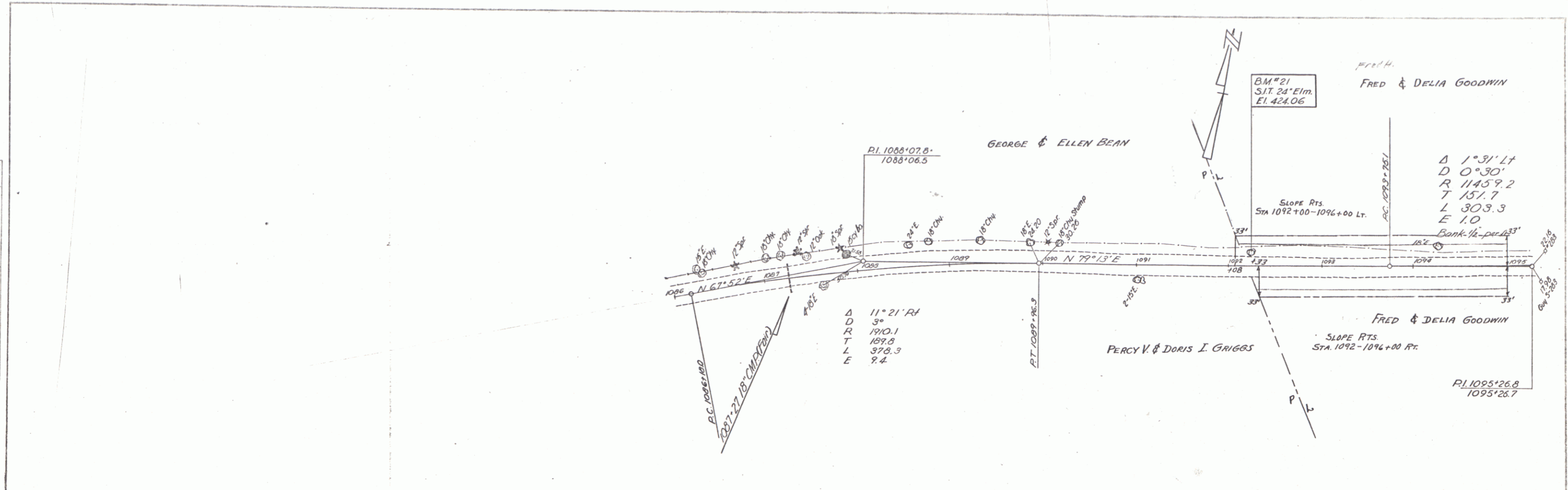


PLAN
 DATE
 BY
 CHECKED
 DATE
 BY
 SCALE
 1" = 40'

PROFILE
 DATE
 BY
 CHECKED
 DATE
 BY
 SCALE
 1" = 40'

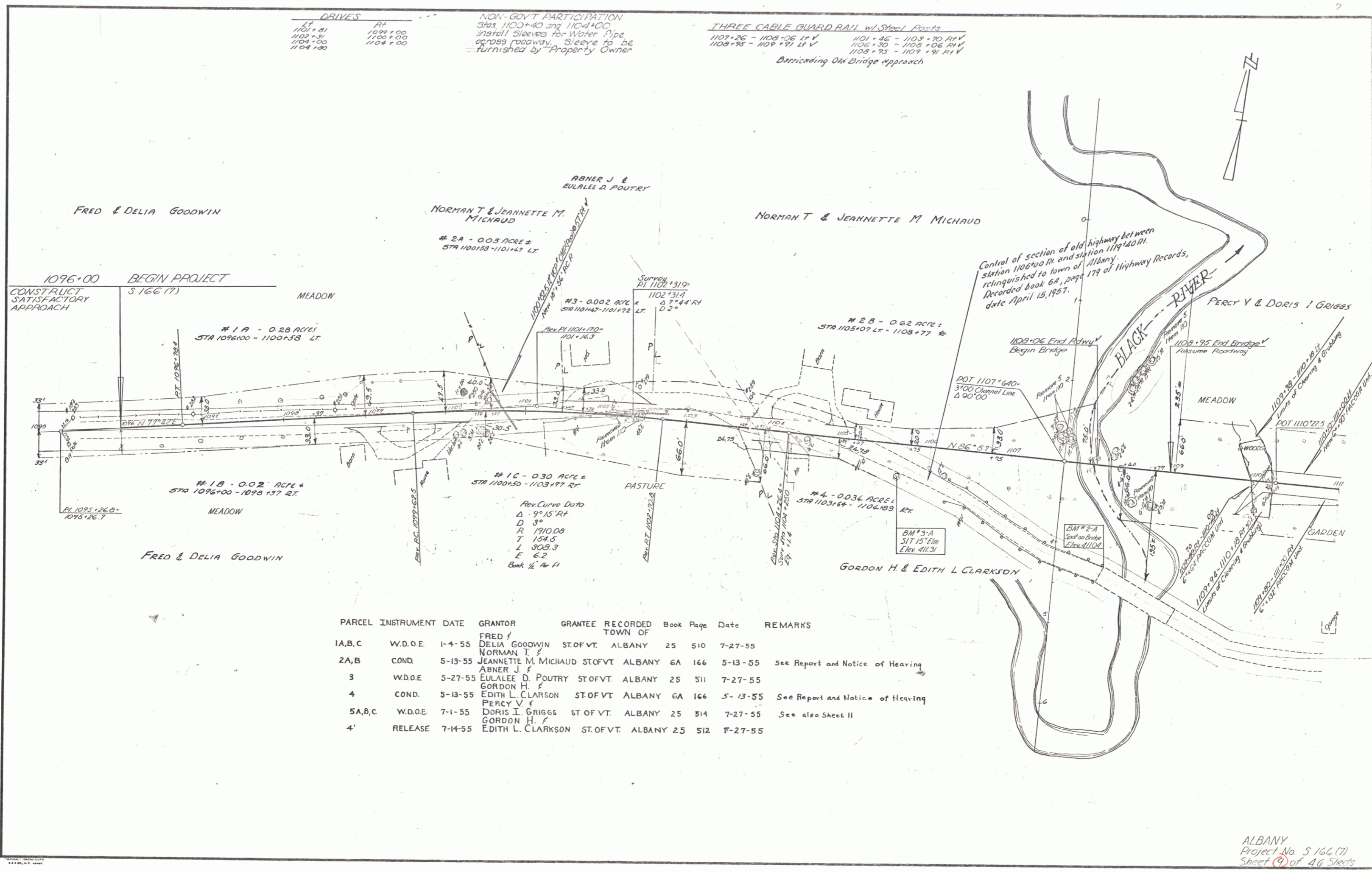


ALBANY
 S 166 (7)
 Sheet 8 of 49

LT	RT
1101+81	1098+00
1102+31	1100+00
1104+00	1104+00
1104+00	

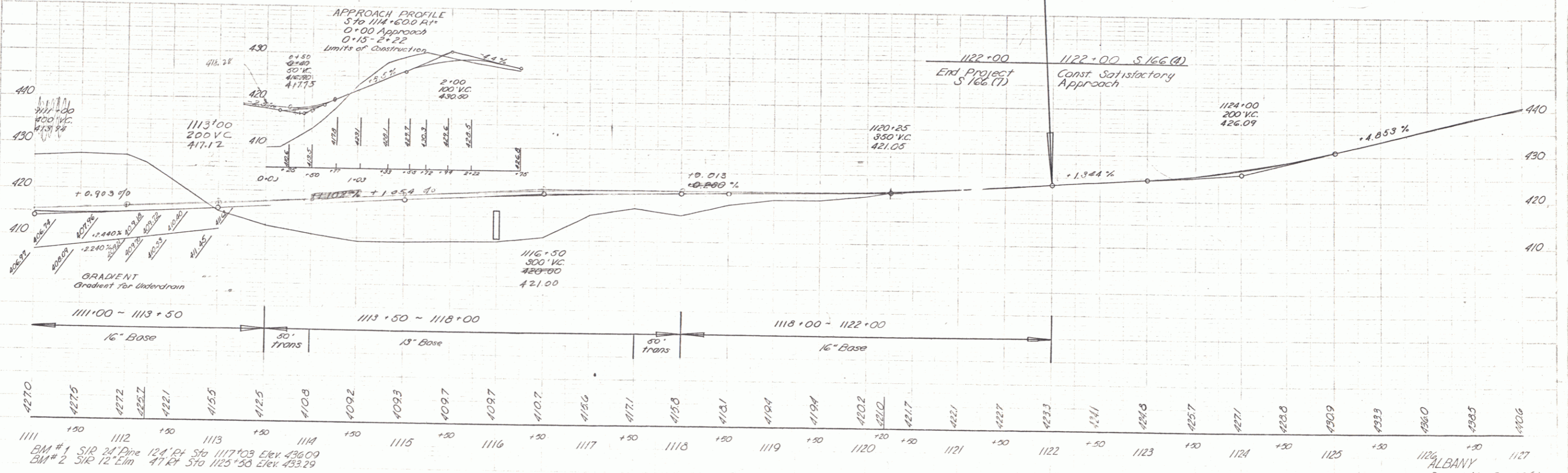
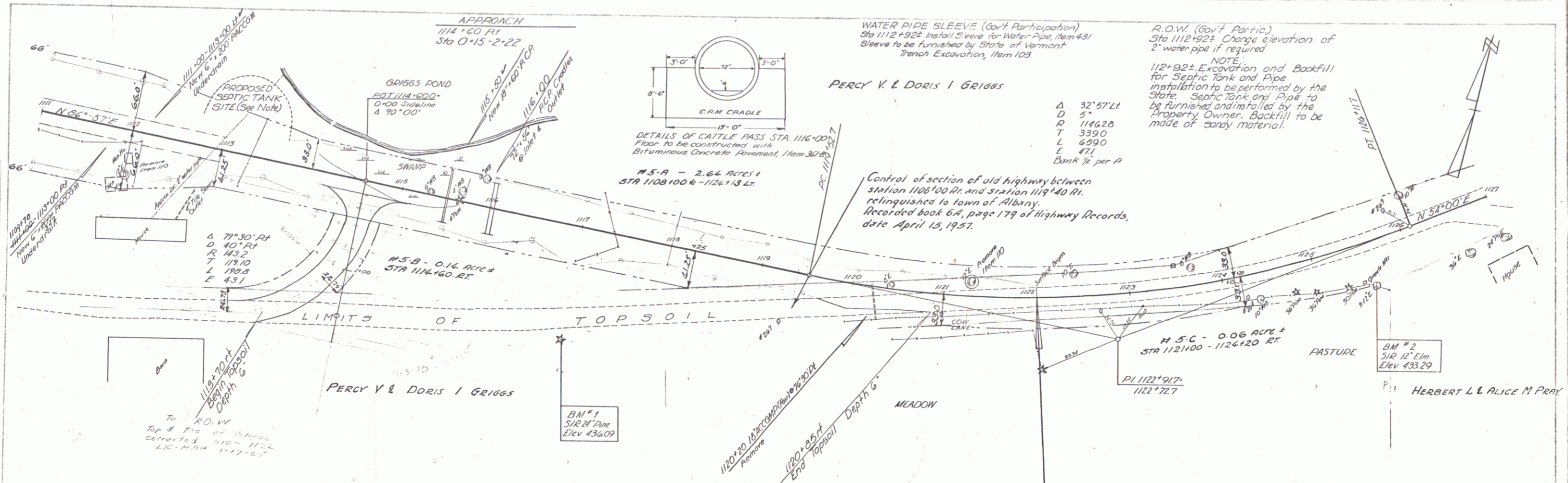
NON-GOVT PARTICIPATION
 Stas. 1100+40 and 1104+00.
 install sleeves for Water Pipe
 across roadway. Sleeves to be
 furnished by Property Owner

THREE CABLE GUARD RAIL w/Steel Posts
 1107+26 - 1108+06 LT V 1101+46 - 1103+20 RT V
 1108+95 - 1109+91 LT V 1106+30 - 1108+06 RT V
 1108+95 - 1109+91 RT V
 Barricading Old Bridge Approach



PARCEL	INSTRUMENT	DATE	GRANTOR	GRANTEE	RECORDED TOWN OF	Book	Page	Date	REMARKS
1A,B,C	W.D.O.E.	1-4-55	FRED & DELIA GOODWIN	ST.OF VT.	ALBANY	25	510	7-27-55	
2A,B	COND.	5-13-55	JEANNETTE M. MICHAUD	ST.OF VT.	ALBANY	6A	166	5-13-55	See Report and Notice of Hearing
3	W.D.O.E.	5-27-55	EULALEE D. POUTRY	ST.OF VT.	ALBANY	25	511	7-27-55	
4	COND.	5-13-55	EDITH L. CLARKSON	ST.OF VT.	ALBANY	6A	166	5-13-55	See Report and Notice of Hearing
5A,B,C	W.D.O.E.	7-1-55	PERCY V & DORIS I. GRIGGS	ST.OF VT.	ALBANY	25	514	7-27-55	See also Sheet II
4'	RELEASE	7-14-55	EDITH L. CLARKSON	ST.OF VT.	ALBANY	25	512	7-27-55	

ALBANY
 Project No. 5 166 (7)
 Sheet (9) of 46 Sheets

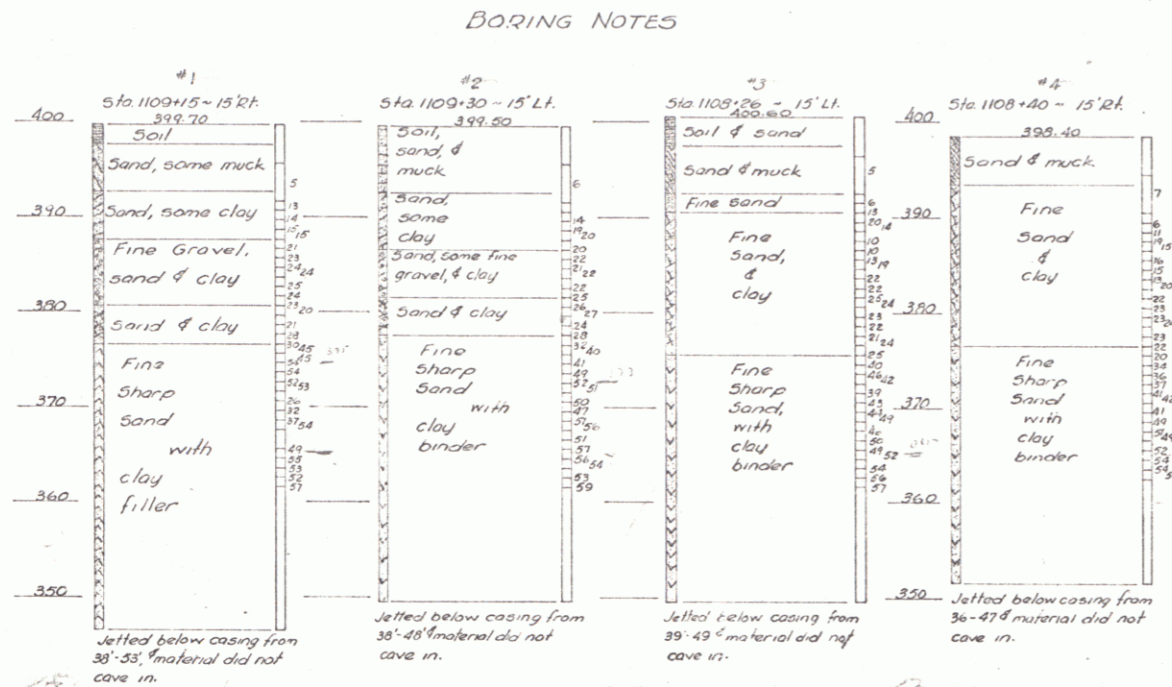
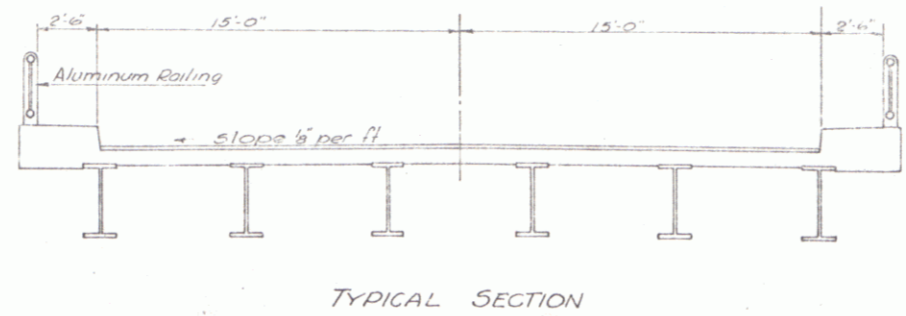
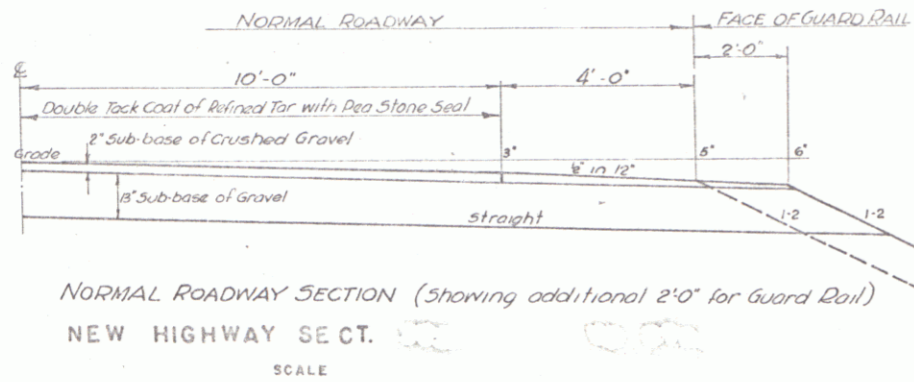


1111
 1112
 1113
 1114
 1115
 1116
 1117
 1118
 1119
 1120
 1121
 1122
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 1125
 1126
 1127

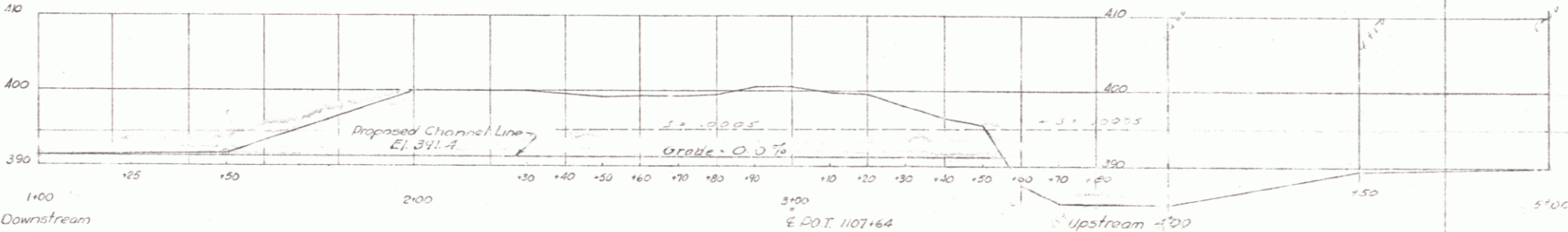
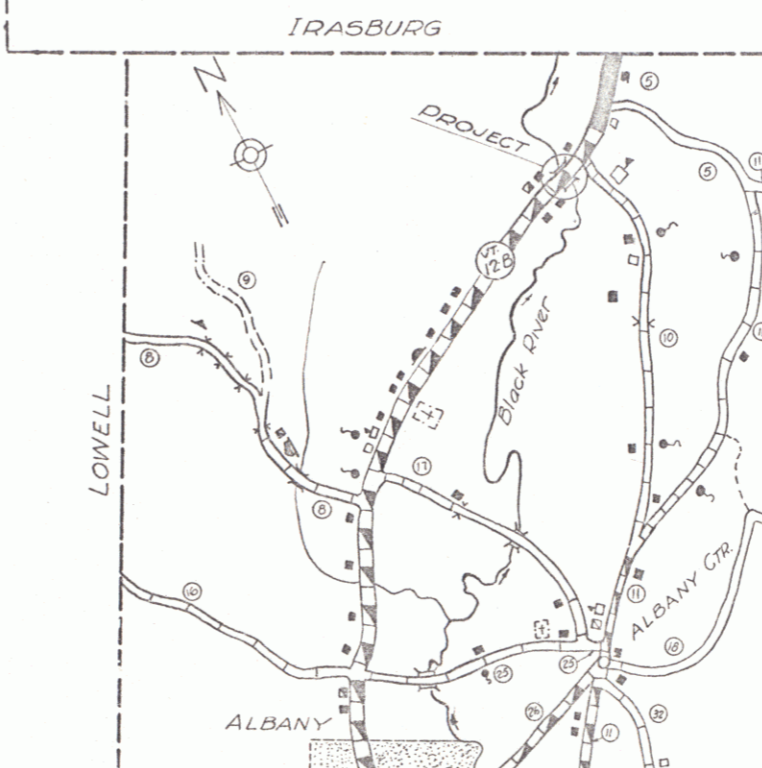
410
 420
 430
 440

BM # 1 SIR 24' Pine Sta 1117+03 Elev. 436.09
 BM # 2 SIR 12' Elm Sta 1125+58 Elev. 433.29

ALBANY
 Project No 5 166 (7)
 Sheet 11 of 46 Sheets



For Plan, see Plan & Profile sheet.



HIGHWAY NO. Vt 12-B NAME OF HIGHWAY _____
 STRUCTURE NO. 17 COUNTY Orleans TOWN Albany
 PROJECT NO. 5-166(7) LOCATION 6.1 miles from the Craftsbury-Albany Town Line

EXISTING STRUCTURE

- 1 RATED LOADING OF EXISTING STRUCTURE H-15
- 2 TYPE OF EXISTING STRUCTURE Concrete T-Beam
- 3 UNDERCLEARANCE ELEVATION OF EXISTING STRUCTURE 404.4
- 4 WHAT DISPOSITION SHOULD BE MADE OF EXISTING STRUCTURE Removed COST OF REMOVAL \$1000
- 5 SHOULD EXISTING STRUCTURE BE USED TO MAINTAIN TRAFFIC DURING CONSTRUCTION OF NEW STRUCTURE Yes
- 6 SHOULD NEW TEMPORARY STRUCTURE BE BUILT _____
- 7 ORDINARY HIGH WATER SURFACE ELEV. AT EXISTING STRUCTURE 401.00 WATERWAY TO ORDINARY H.W. 480'
- 8 EXTREME HIGH WATER AT EXISTING STRUCTURE 403.00
- 9 SPAN OF EXISTING BRIDGE UPSTREAM 48'-0" WATERWAY TO EXTREME H.W. 350'
- 10 SPAN OF EXISTING BRIDGE DOWNSTREAM 84'-0" WATERWAY TO EXTREME H.W. 800'
- 10 TYPE OF FOUNDATION UNDER EXISTING ABUTMENTS Timber Piling
- 11 DOES ALL WATER AT FLOOD ELEVATION PASS THROUGH EXISTING STRUCTURE Yes
- 12 IF NOT AT WHAT ELEVATION IS RELIEF AFFORDED _____
- 13 ADDITIONAL WATERWAY AREA PROVIDED _____

NEW STRUCTURE

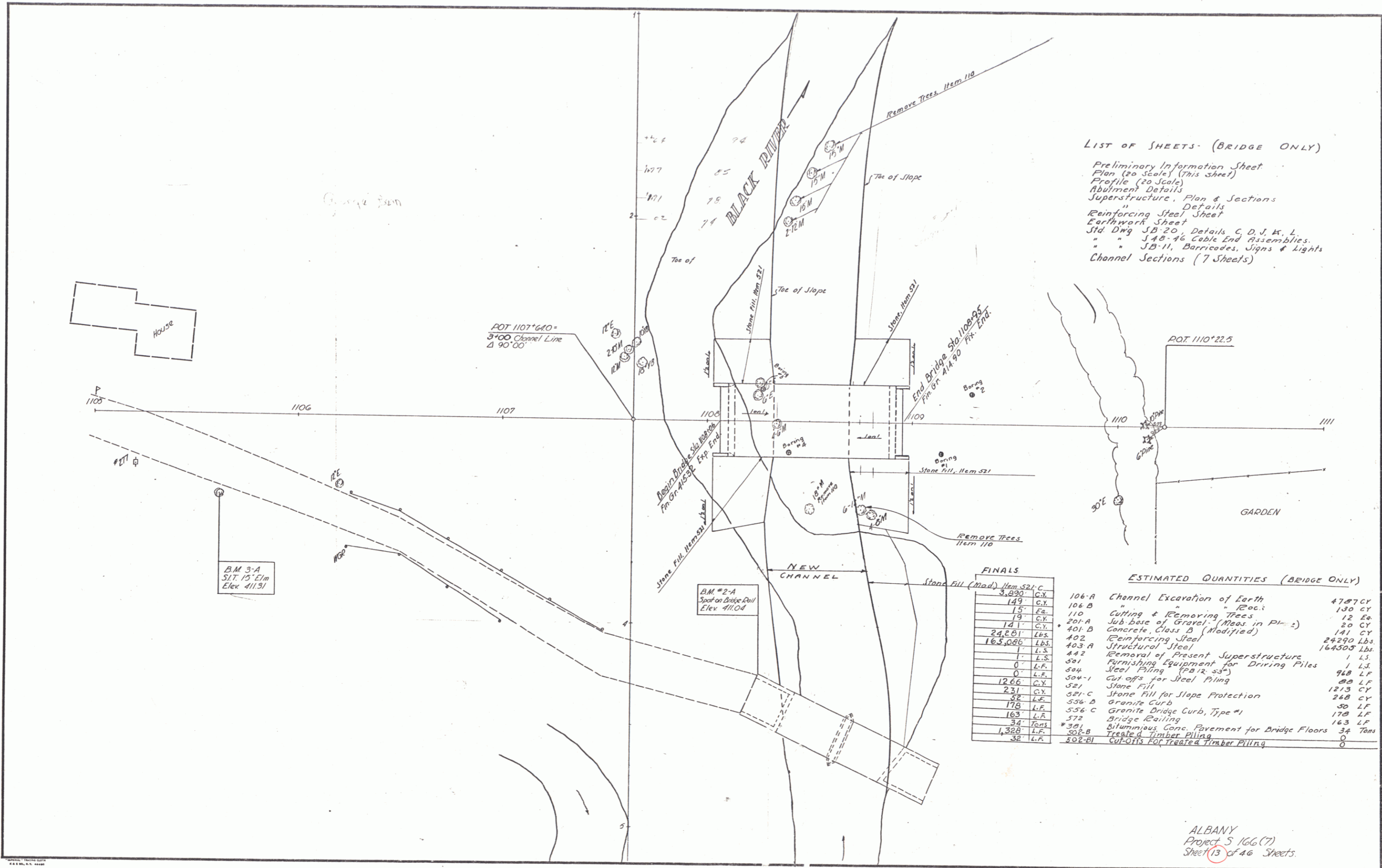
- 1 RECOMMENDED TYPE OF STRUCTURE 80' W Beam with Concrete Deck
- 2 RECOMMENDED CLEAR SPAN OR SPANS 83'-0"
- 3 MEASURED PARALLEL TO NEW HIGHWAY 83'-0"
- 4 MEASURED AT RIGHT ANGLES TO STREAM 83'-0"
- 5 ARE THERE OBJECTIONS TO A PIER IN THE STREAM, ANSWER YES OR NO _____
- 6 ORDINARY HIGH WATER ELEVATION AT NEW STRUCTURE 407.00
- 7 EXTREME HIGH WATER ELEVATION AT NEW STRUCTURE 410.00 SOURCE OF INFORMATION Computed
- 8 IS ALL WATER INTENDED TO PASS THROUGH NEW STRUCTURE? Yes
- 9 DOES STREAM REACH ITS MAXIMUM HIGH WATER ELEVATION RAPIDLY? No IS ORDINARY RISE RAPID? No
- 10 LOW WATER ELEVATION AT NEW STRUCTURE 395.00
- 11 DRAINAGE AREA IN ACRES ABOVE STRUCTURE 47552 CHARACTER OF TERRAINE Hilly
- 12 VELOCITY OF STREAM AT HIGH WATER STAGE 6.8 ft/sec ESTIMATED DISCHARGE 7000 cfs
- 13 AREA FULL OPENING 1030' AREA BELOW ORDINARY H.W. 850'
- 14 CHARACTER OF SCOUR None DRIFT None ICE Negligible
- 15 ESTIMATED DRAINAGE AREA ABOVE NATURAL OR ARTIFICIAL STORAGE 2825
- 16 VERTICAL CLEARANCE ABOVE FLOOD ELEVATION 1'-0"
- 17 ARE SIDEWALKS REQUIRED, IF SO ON WHAT SIDE No BOTH SIDES No
- 18 RECOMMENDED TYPE OF PAVEMENT Bit. Conc. Pavement for Bridge Floors
- 19 TRAFFIC TO BE MAINTAINED UNDER ITEM NO. 109 ONE OR TWO WAYS 2 PROBABLE COST \$250
- 20 PROBABLE COST OF CLEARING AND CHURRING STREAM CHANNEL AT STRUCTURE SITE _____
- 21 SHOULD PROVISIONS BE MADE FOR PUBLIC UTILITIES? No
- 22 ESTIMATED ALLOWABLE LOAD ON FOUNDATIONS _____ SHOULD PILES BE USED? Yes EST. LTH. 30'

FOUNDATION INFORMATION
 OBTAINED FOR DESIGN PURPOSES ONLY, AND THE STATE ASSUMES NO RESPONSIBILITY WHATSOEVER FOR THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN. BOULDERS MAY BE ENCOUNTERED AT ANY PIER OR ABUTMENT LOCATION.

STATE OF VERMONT
 DEPT. OF HIGHWAYS
 PRELIMINARY INFORMATION SHEET FOR BRIDGES

CORRECT _____ APPROVED _____
 BRIDGE ENGINEER _____ CHIEF ENGINEER _____

ALBANY
 5-166(7)
 Sheet 12 of 46



LIST OF SHEETS (BRIDGE ONLY)

- Preliminary Information Sheet
- Plan (20 Scale) (This sheet)
- Profile (20 Scale)
- Abutment Details
- Superstructure, Plan & Sections
- " " Details
- Reinforcing Steel Sheet
- Earthwork Sheet
- Std Dwg JB-20, Details, C, D, J, K, L
- " " JB-9, Cable End Assemblies
- " " JB-11, Barricades, Signs & Lights
- Channel Sections (7 Sheets)

FINALS

3,890	C.Y.
149	C.Y.
15	Eq.
19	C.Y.
141	C.Y.
24,261	Lbs.
165,086	Lbs.
1	L.S.
0	L.F.
0	L.F.
12.66	C.Y.
231	C.Y.
32	L.F.
178	L.F.
163	L.F.
34	Tons
1,368	L.F.
32	L.F.

ESTIMATED QUANTITIES (BRIDGE ONLY)

104-A	Channel Excavation of Earth	4787 CY
106-B	" " " "	130 CY
110	Cutting & Removing Trees	12 Eq.
201-A	Sub base of Gravel (Meas in Pl-2)	20 CY
401-B	Concrete, Class B (Modified)	141 CY
402	Reinforcing Steel	24290 Lbs.
403-A	Structural Steel	165086 Lbs.
442	Removal of Present Superstructure	1 L.S.
501	Furnishing Equipment for Driving Piles	1 L.F.
504	Steel Piling (PB12 33")	968 L.F.
504-1	Cut-offs for Steel Piling	80 L.F.
521	Stone Fill	1213 CY
521-C	Stone Fill for Slope Protection	248 CY
536-A	Granite Curb	30 L.F.
536-C	Granite Bridge Curb, Type #1	178 L.F.
572	Bridge Barrings	163 L.F.
*301	Aluminous Conc. Pavement for Bridge Floors	34 Tons
302-B	Treated Timber Piling	0
302-B1	Cut-offs for Treated Timber Piling	0

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Project S 166 (7)
Sheet 13 of 46 Sheets.