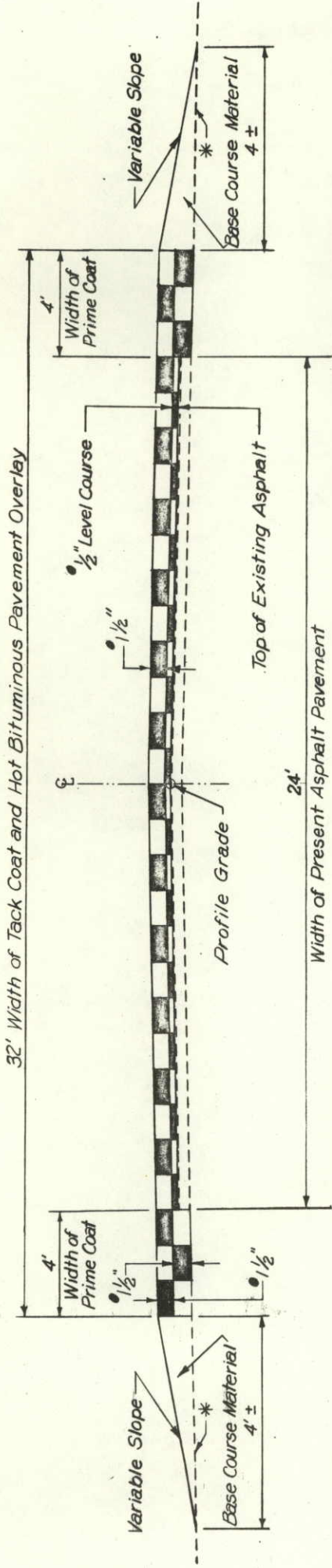


FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	ERFO-108(5)	2	

NO REVISIONS		AS CONSTRUCTED	
	REVISED	5-13-77	VOID

TYPICAL SECTION



SURFACING RATES

Hot Bituminous Pavement
Bottom Course : 15 Tons per Station
Top Course : 30 Tons per Station
Aggregate Base Course
Shoulders : 20 $\pm$ Tons per Station

The rates shown have been determined from information available at the time of design. Rates should be adjusted during construction to obtain the required approximate thickness.

• Approximate Thickness

(*) Shoulder Shaping prior to placement of A.B.C. to be paid for by Force Account.

SURFACING PLAN

Station to Station	Quantity - Tons				
	Base Course	Hot Bituminous Pavement			
	Aggregate Base Course (Class 6)(H)	Bottom Layer (Grading Ex)	Top Layer (Grading Ex)		
Mainline 760+00 to 764+70.2 BK.	43	71		141	
764+72.1 Ah. to 825+01.6 BK.	543	905		1809	
1668+30.6 Ah. to 1651+91.8 Ah.	130	216		432	
1651+83.5 BK. to 1631+84.6 Ah.	180	300		600	
1628+14.6 BK. to 1624+00	38	63		125	
Accel, Decel Lanes & Climbing Lanes					
Approx. 774+50 to 779+00		28		84	
Approx. 792+00 to 822+00		92		275	
Est. For Irregularities		168			
TOTALS	994	1843		3466	

The Source of Aggregate for this Project is Undesignated.

SEE SCALE BOOKS - DOH FORM #87

Final A.B.C. CLASSG. TOTAL 2,619.40
Final H.B.P. GRADE EX TOTAL 5,779.10

GENERAL NOTES

FOR PRELIMINARY PLAN QUANTITIES OF BITUMINOUS MATERIALS AND COVER COAT MATERIALS, THE FOLLOWING RATES OF APPLICATION WERE USED:

PRIME COAT (MC-70) @ 0.40 GALS. PER SQ. YD.
TACK COAT DILUTED EMUL. ASPH. (CSS-1) @ 0.10 GALS. PER SQ. YD.
BITUMINOUS PAVEMENT (GR EX) @ 110 LBS. PER SQ. YD./INCH
ASPHALT REJUVENATING AGENT @ 0.05 GALS. PER SQ. YD.

DILUTED EMULSIFIED ASPHALT FOR TACK COAT SHALL CONSIST OF 1 PART EMULSIFIED ASPHALT AND 1 PART WATER.

RATES OF APPLICATION SHALL BE AS DETERMINED BY THE ENGINEER AT THE TIME OF APPLICATION.

THE FOLLOWING SHALL BE FURNISHED WITH EACH BITUMINOUS PAVEMENT:

- 1. A SKI TYPE DEVICE AT LEAST 30 FEET IN LENGTH.
- 2. SHORT SKI OR SHOE

ROAD APPROACHES WHICH REQUIRE BITUMINOUS PAVEMENT SHALL BE TACKED AND A 1-1/2" THICKNESS OF PAVEMENT PLACED AS FOLLOWS:

PUBLIC APPROACHES SHALL BE PAVED 50 FT. OUT FROM EDGE OF SHOULDER

MASHOUTS AND ERODED AREAS ALONG SHOULDERS ARE TO BE FILLED AND SHAPED AS EMBANKMENT (COMPLETE IN PLACE).

IT IS ESTIMATED THAT 500 HOURS OF FLAGGING FOR CONTROLLING TRAFFIC WILL BE REQUIRED FOR THIS PROJECT.

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	EPFO-108(5)	3	

AS CONSTRUCTED	
NO REVISIONS	REVISED 5-13-77
	VOID

SUMMARY OF APPROXIMATE QUANTITIES

AS CONSTRUCTED	
NO REVISIONS ☐	REVISED 5-13-77 ☐ VOID ☐

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLORADO	ERF0-108(5)	5	

BOOK	PAGE	SHEET	INDEX		CONTRACT ITEM NO.	CONTRACT ITEM	UNIT					ROADWAY TOTALS	FINAL	PROJECT TOTALS	FINAL TOTALS	OVER-RUN	UNDER-RUN
			6	606	Guard Rail Type 3 (6-3 Post Spacing)	Lin. Ft.						575	575	575	575		
			6	606	End Anchorage Type 3A	Each						4	4	4	4		
			6	609	Curb Type 6 (Section M)	Lin. Ft.						200	362	200	362	162	
					Flagging	Hour						500	908.5	500	908.5	408.5	
			6	615	Embankment Protector Type 3	Each						1	1	1	1		
			1	45	Mobilization	L.S.						1	1	1	1		
					<u>FORCE ACCOUNT</u>												
					Fla01 Cleaning Side Drains and Cross Drains. Blading and Shaping Shoulders, Borrow Pits and Fence Lines. Cleaning Debris from Beneath Structures and Superstructures.	L.S.						1	1	\$5,000.00	\$5,293.27		\$976.73
					<u>STATE FORCES (FEDERAL AID)</u>												
					Fla02 Asphalt Rejuvenating Agent	L.S.						1	1	\$1,500.00	0		\$1,500.00
					Fla03 Signing and Striping	L.S.						1	1	\$2,000.00	\$1,325.78		\$674.22
					Fla04 Seeding	L.S.						1	1	\$1,000.00	0		\$1,000.00

#266.

STRUCTURE QUANTITIES

NO REVISIONS ☐ AS CONSTRUCTED ☒ REVISED 5-13-77 VOID ☐

FEDERAL ROAD REGION NO. VIII DIVISION COLORADO PROJECT NO. ERFD-108(5) SHEET NO. 6

INDEX		LOCATION	UNCLASSIFIED EXCAVATION		STRUCTURE EXCAVATION		STRUCTURE BACKFILL	REMOVAL OF HEADWALL	AGGREGATE BASE COURSE		HOT BITUMINOUS PAVEMENT	INLET TYPE C	CONCRETE (MISC.)	REINFORCING STEEL	INLET GRATING AND FRAME TYPE C	CORRUGATED STEEL PIPE					OVER SLOPE AND DITCH PAVING	STEEL END SECTION					MISCELLANEOUS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
BOOK	PAGE		SHEET	EXCAV.	EMB.	DITCH			CUBIC YARD	CL.						TON	CL. A	EA.	TON	CL. A		LB.	EA.	12"	18"	24"		30"	36"	18"	24"	30"	36"																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

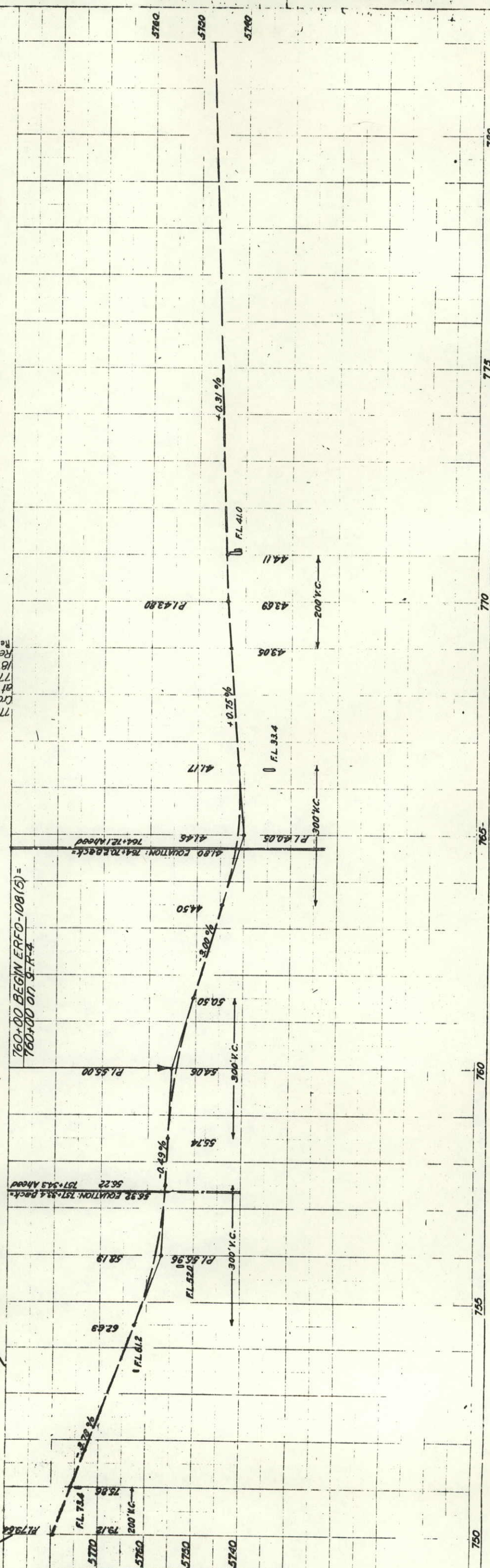
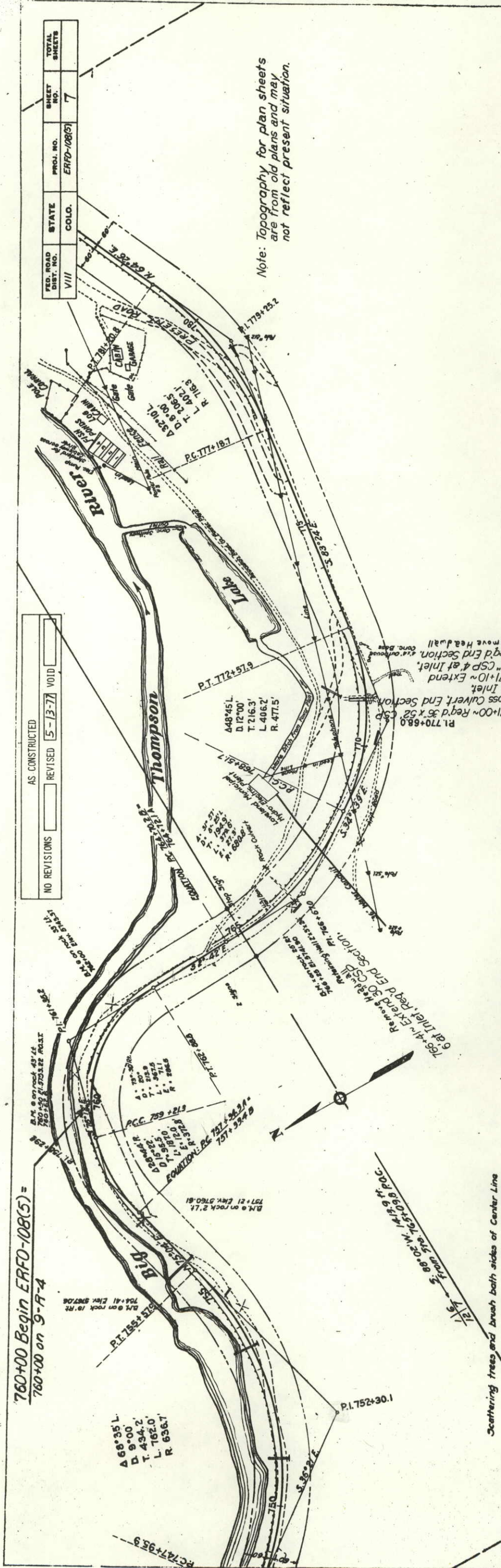
362
1 Each-Removal of Structure; 1 Each-Embankment, Protective Type 3; 200 Lin. Ft. - Curb Type 6 (Section M); 2 Cu. Yds. - Riprap.

440 Lin. Ft.-Removal of Guard Rail Type 1; 575 Lin. Ft.-Guard Rail Type 3 (6-3 Post Spacing); 4 Each-End Anchorage, Type 3A. 170 Cu. Yds.-Heavy Riprap.

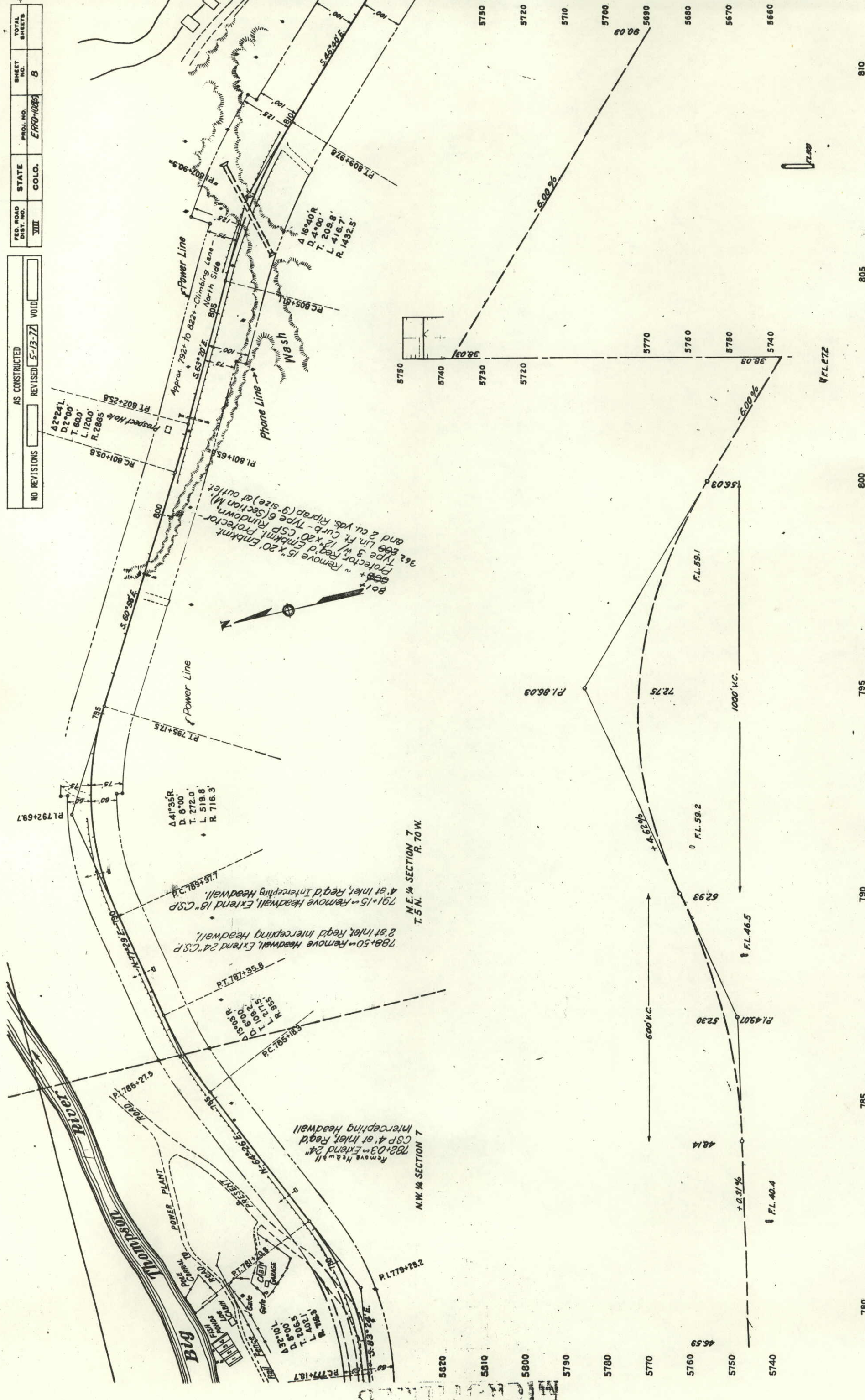
Embankment Material (in place)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
VIII	COLO.	ERFD-108(5)	7	

Note: Topography for plan sheets are from old plans and may not reflect present situation.



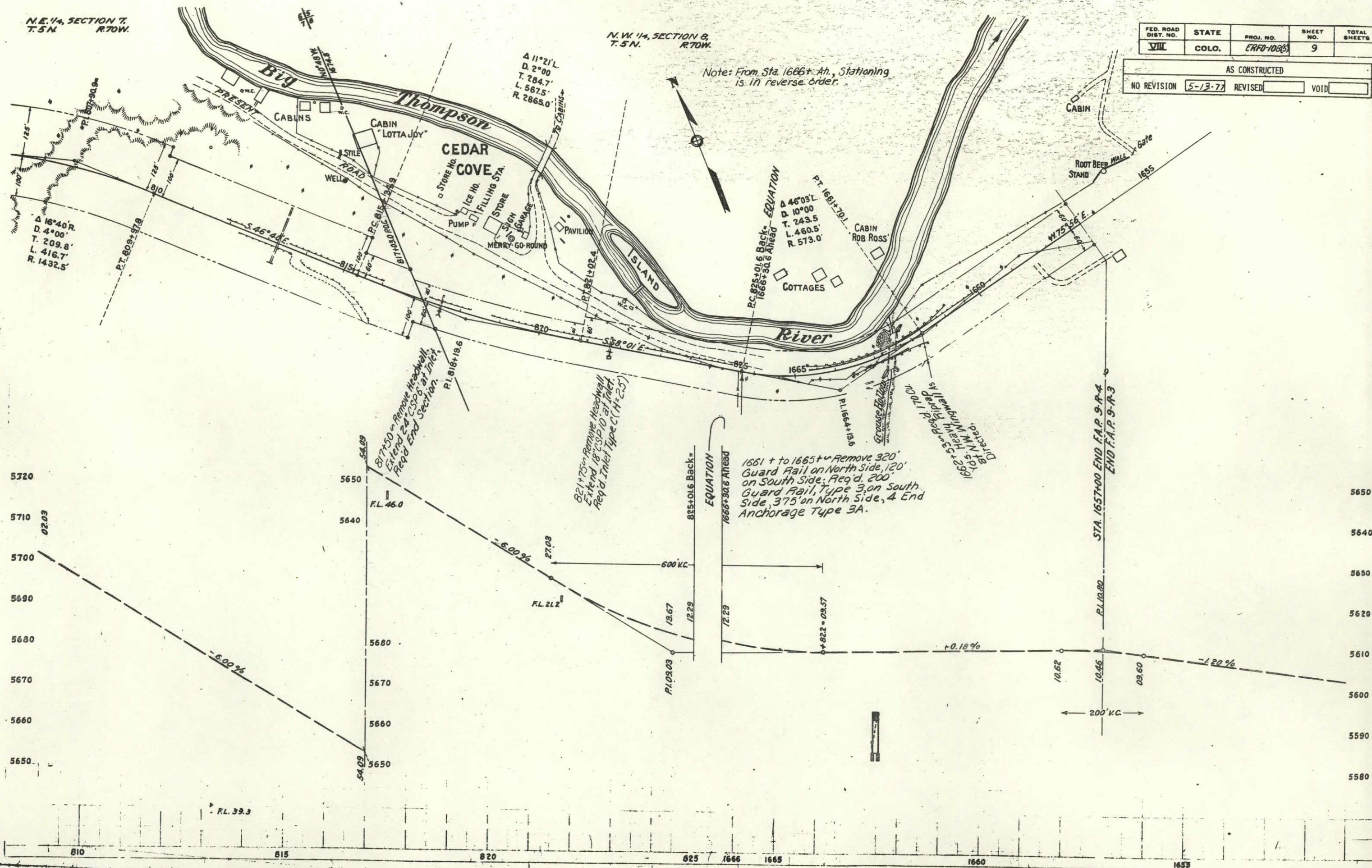
NO REVISIONS	REVISED	5-13-77	VOID
AS CONSTRUCTED			



N. W. 1/4, SECTION 8,
T. 5 N. R. 70 W.

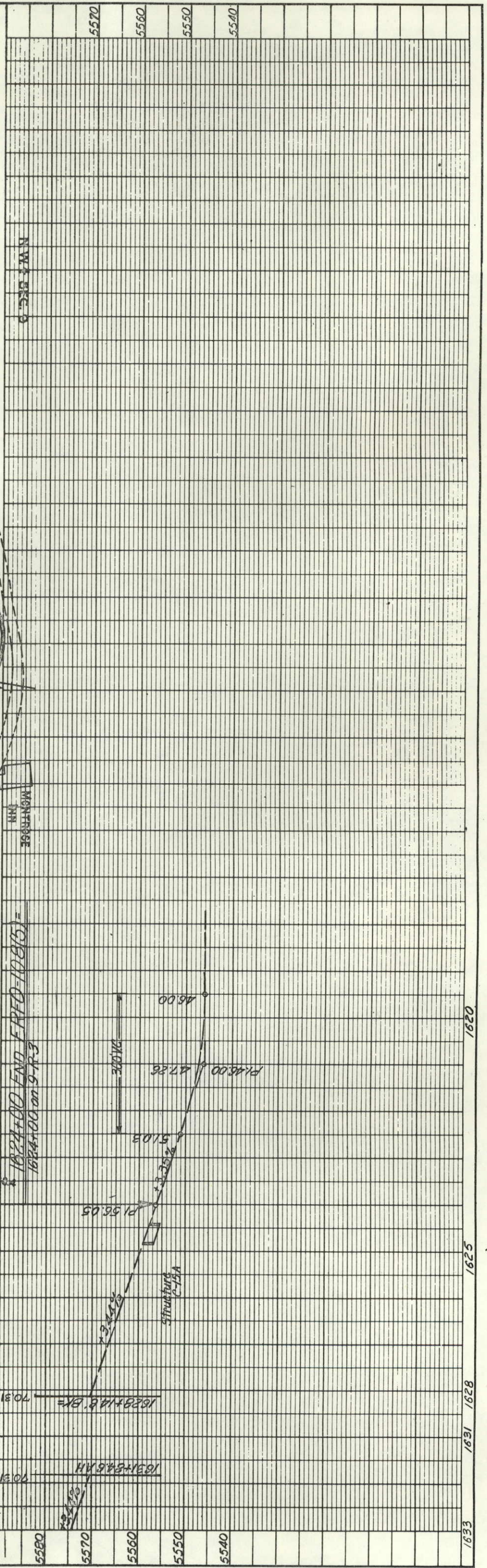
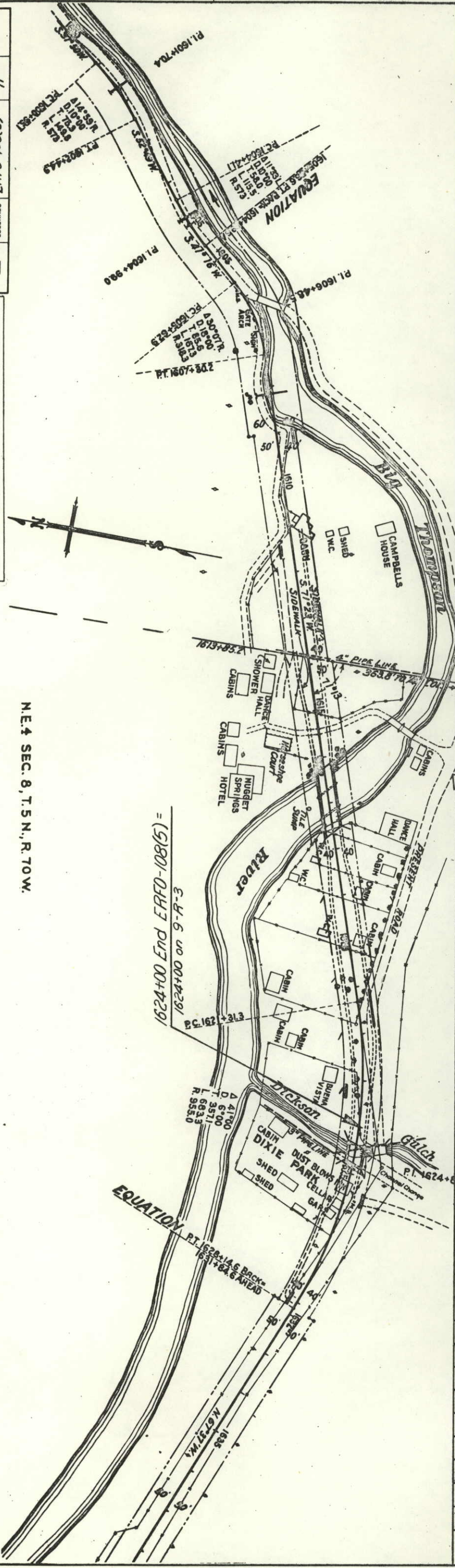
AS CONSTRUCTED

NO REVISION 5-13-77 REVISED VOID



TOTAL SHEETS	11
SHEET NO.	11
PROJ. NO.	ERFO-108(5)
DIVISION	COLORADO
FEDERAL ROAD REGION NO.	XIII

NO REVISIONS	5-13-77	REVISED	VOID
AS CONSTRUCTED			



PLAN	DATE
NOTE BOOK	
BY	
CHECKED	
APPROVED	

PROFILE	DATE
NOTE BOOK	
BY	
CHECKED	
APPROVED	