

INDEX OF SHEETS

NO.	TITLE PAGE, SKETCH MAP, TABULATION OF LF	DESIGN DATA
1	TYPICAL SECTION AND SUMMARY OF APPR.	ANTITIES
2	LIST OF STRUCTURES	
3	SUB-BASE MATERIAL AND SURFACING PLANS	
4	SUMMARY OF SOIL PROFILE TESTS AND LOCATION OF MATERIAL PITS	
5	DETAILS OF BRIDGES STA 404+ AND STA 416+	
6	STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES	M-1-C
7	STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT	
8	AND WIDENING AT BRIDGES AND AT CREST OF GRADES	M-2-EM
9	STANDARD MARKER POSTS	M-7-C
10	STANDARD LETTERS AND FIGURES FOR YEAR NUMBERS AND STRUCTURE NUMBERS	M-10-B
11	STANDARD TIMBER GUARD POSTS	M-19-D
12	STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS	M-29-A
13	STANDARD TYPES OF DITCHES AND CONSTRUCTION METHODS	M-107-C
14	PLAN AND PROFILE SHEETS	
15-20	CROSS SECTION SHEETS	

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0124(5) STATE HIGHWAY NO. 114 GUNNISON COUNTY

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	COLORADO	S 0124 (5)	1	

CONVENTIONAL SIGNS

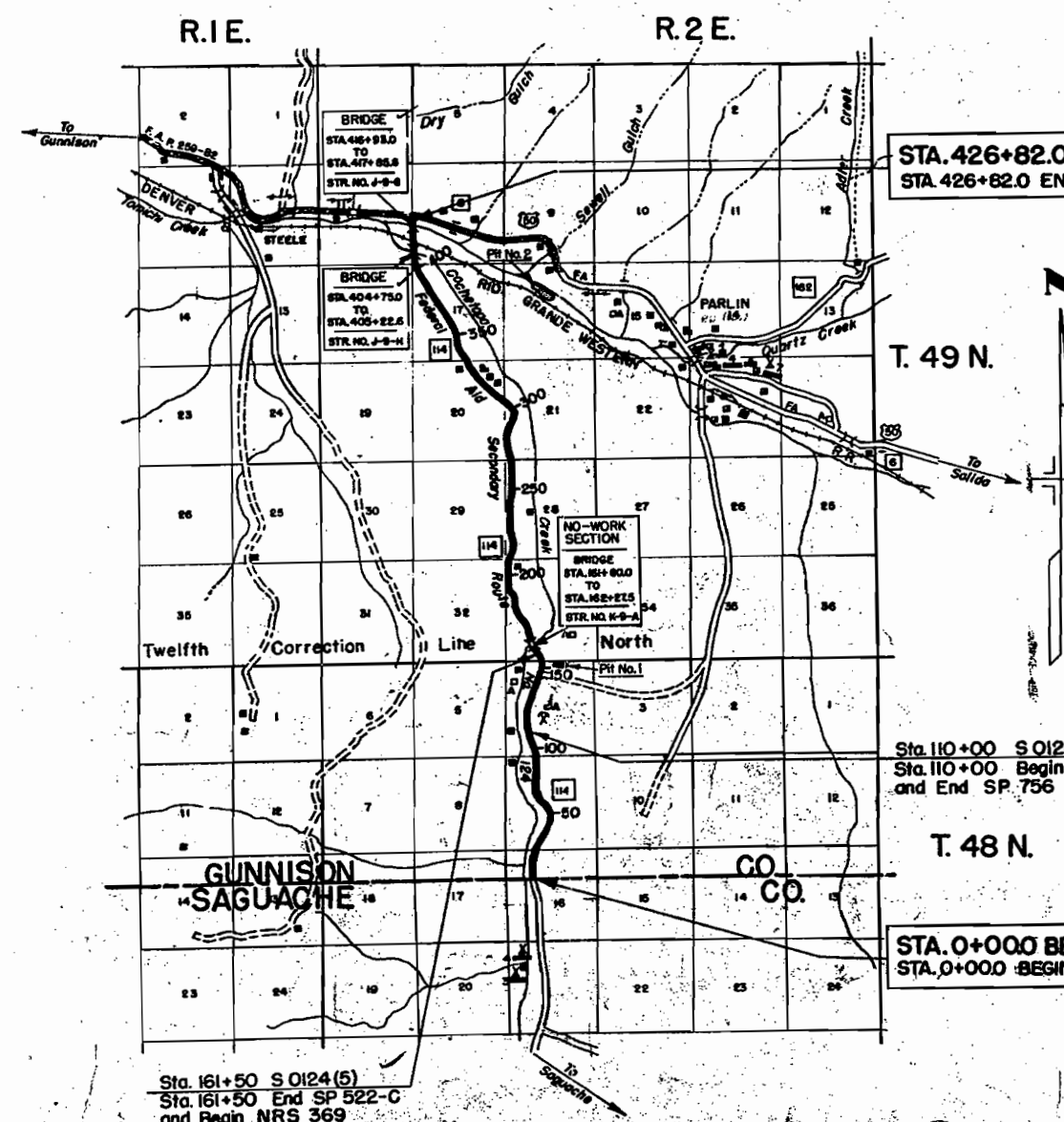
CENTER LINE	PLAN SHEET	TITLE SHEET
RIGHT OF WAY LINE	R.O.W. MARKER	
COUNTY LINE		
TOWNSHIP OR RANGE LINE		
LAND LINES	SECTION LINE	1/4 SECTION LINE
RAILROAD	TITLE SHEET	PLAN SHEET
BARBED WIRE FENCE		
COMBINATION WIRE FENCE		
SNOW FENCE		
TELEPHONE & TELEGRAPH LINES		
POWER LINE		
PRESENT ROAD (Plan Sheets)		

SCALES OF ORIGINAL DRAWINGS

ON PLAN, 1 IN. = 100 FT.
ON PROFILE 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT 42,194.5 FT. = 7.991 MI.
NET LENGTH OF PROJECT 42,147.0 FT. = 7.982 MI.

TABULATION OF LENGTH & DESIGN DATA

STATION	ROADWAY LIN. FT.	BRIDGES LIN. FT. LOADING	NO WORK SECTION LIN. FT.
0+00 BEGIN S 0124 (5) = 0+00 Begin SP 756	11,000.0		
110+00.0 End SP 756 = Begin SP 522 C	26.4		
110+26.4 Bk. = 110+02.0 Ah. EQUATION	3003.8		
140+05.8 Bk. = 140+04.5 Ah. EQUATION	2145.5		
161+50.0 End SP 522 C = Begin NRS 369	30.0		
161+80.0 BRIDGE (Cochetopa Creek) 162+27.5	447.8		47.5
166+75.3 Bk. = 166+74.2 Ah. EQUATION	5386.9		
220+61.1 Bk. = 216+26.9 Ah. EQUATION	9420.5		
310+47.4 Bk. = 319+55.5 Ah. EQUATION	5467.3		
374+22.8 Bk. = 374+48.8 Ah. EQUATION	2944.2		
403+93.0 Bk. = 404+07.4 Ah. EQUATION	676		
404+75.0 BRIDGE (Cochetopa Creek) 408+22.5	1170.4	47.6 H-20-44	
416+93.0 BRIDGE (Tomichi Creek) 417+85.8	896.2	92.8 H-20-44	
426+82.0 END S 0124 (5) = 426+82.0 End NRS 369			
TOTALS	42,006.6	140.4	47.5
SUMMARY	LIN. FT.	MILES	
Roadway	42,006.6	7.956	
Bridges	140.4	0.026	
Total (Net Length)	42,147.0	7.982	
No Work Section	47.5	0.009	
TOTALS (Gross Length)	42,194.5	7.991	
DESIGN DATA			
Maximum Degree of Curve	28°00'		
Maximum Grade	5.58%		
Minimum N.P.S.D. Horizontal	200'		
Minimum N.P.S.D. Vertical	290'		
Maximum Design Speed	30 M.P.H.		



INACTIVE

NOTICE TO BIDDERS

IT IS RECOMMENDED THAT BIDDERS ON THIS PROJECT GO OVER THE PLAN DETAILS WITH ONE OF THE FOLLOWING FIELD REPRESENTATIVES OF THIS DEPARTMENT:

Homer W. Gray, Construction Engineer, Grand Junction, Colorado
N. M. Coombe, Resident Engineer, Gunnison, Colorado

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: *Mark H. Winters* 3-31-54
CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED: _____ DATE: _____
DISTRICT ENGINEER

Sta. 110+00 S 0124(5) =
Sta. 110+00 Begin 522-C
and End SP 756

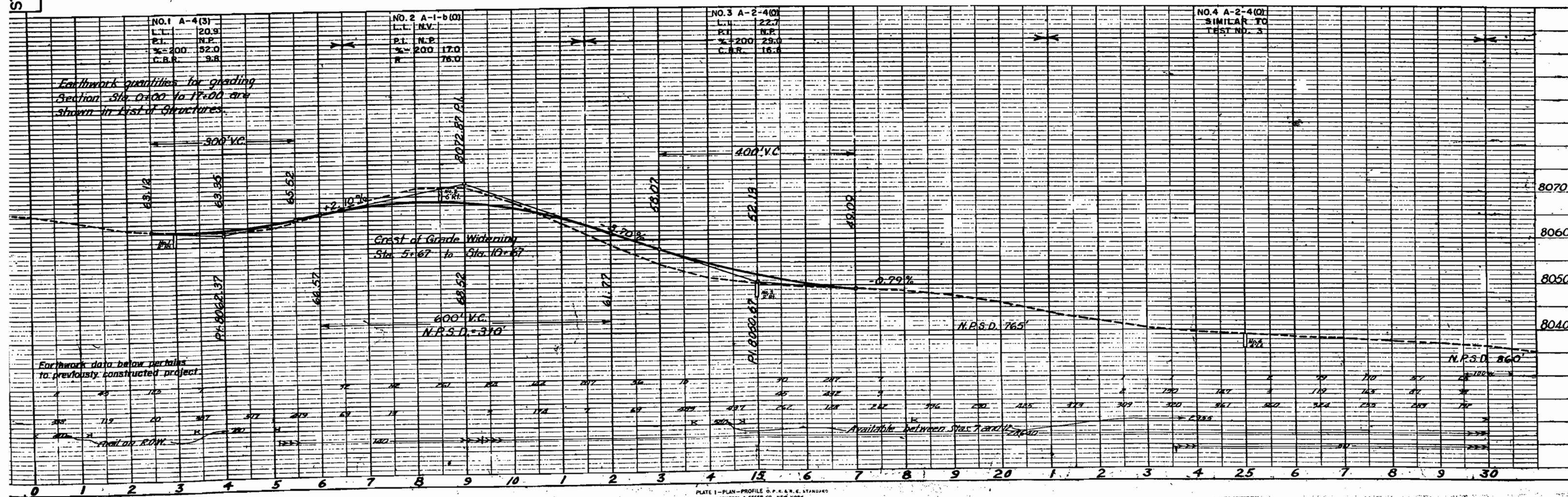
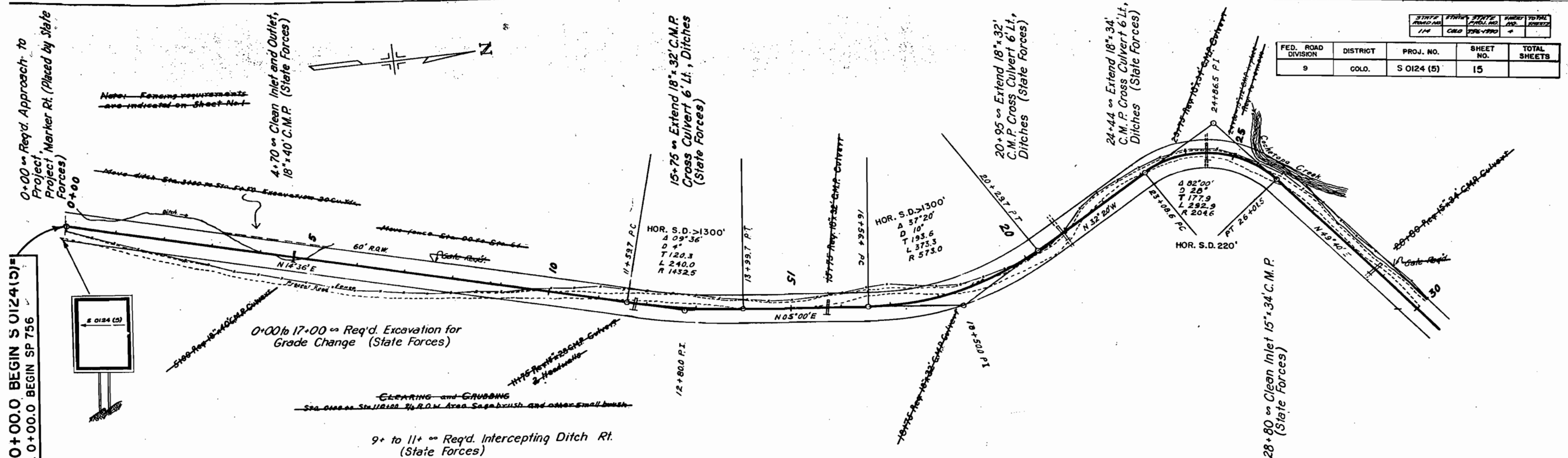
STA. 0+000 BEGIN S 0124(5) =
STA. 0+000 BEGIN SP 756

Sta. 161+50 S 0124(5)
Sta. 161+50 End SP 522-C
and Begin NRS 369

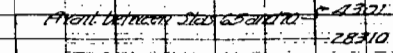
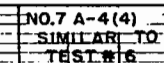
SCALE OF MILES
1/4 1/2 3/4 1

0+00 ~ Req'd. Approach to
Project, Marker Rt. (Placed by State
Forces)

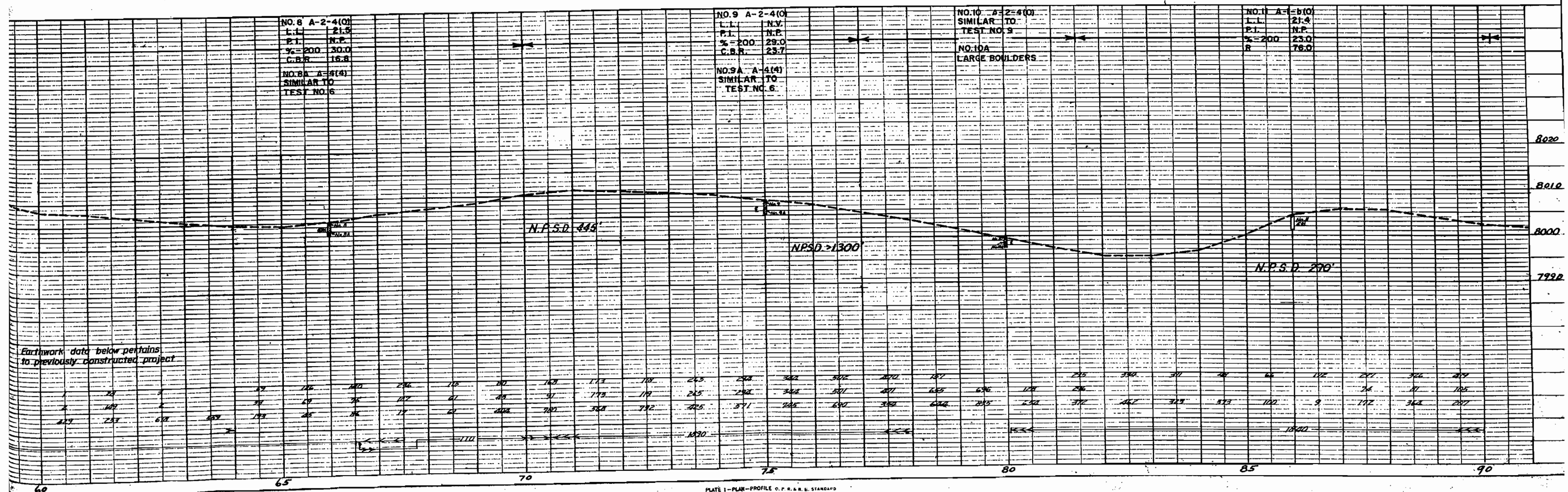
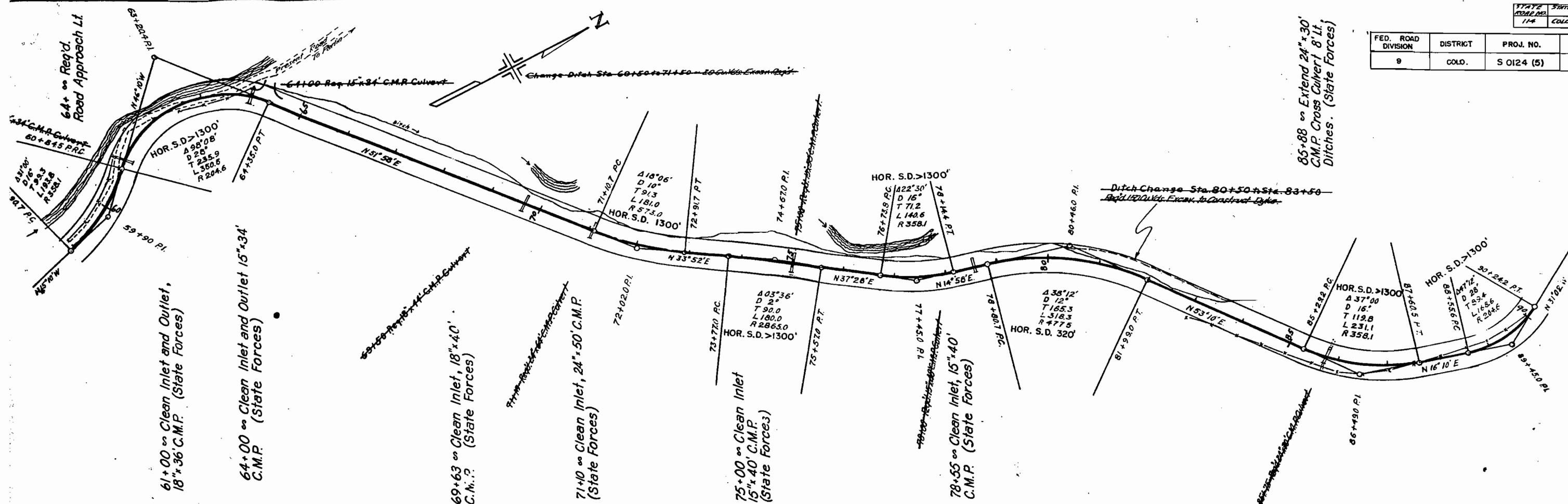
FED. ROAD DIVISION	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0124 (5)	15	



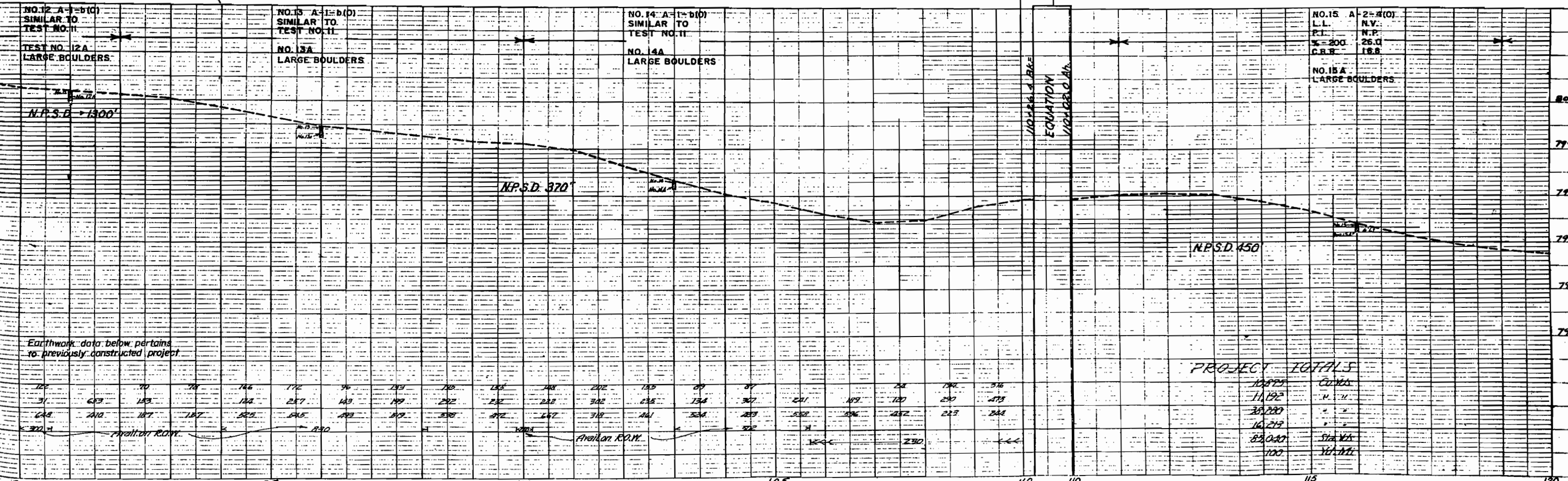
FED. ROAD DIVISION	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0124 (5)	16	

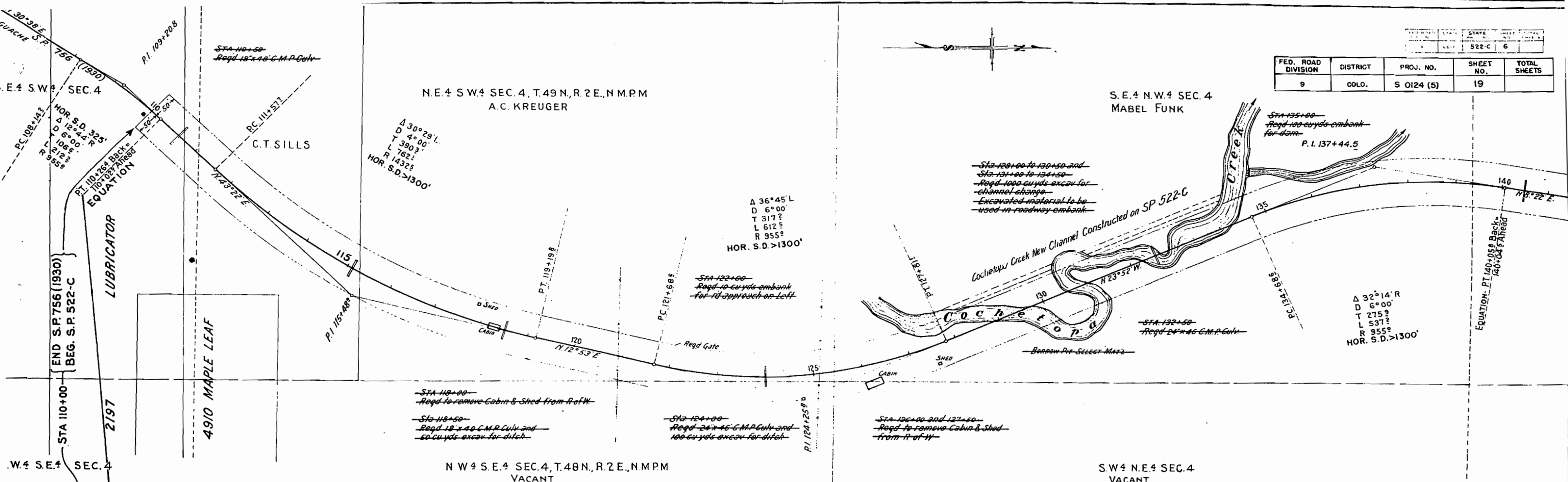


FED. ROAD DIVISION	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLD.	S 0124 (5)	17	

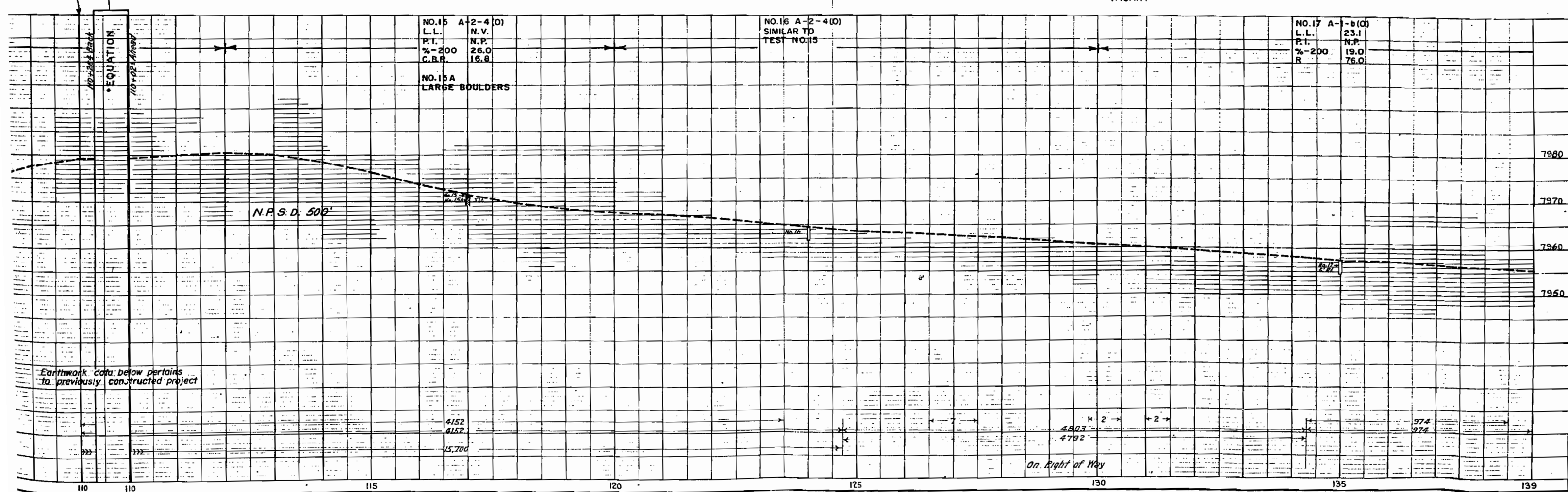


118+50 ~ Clean Inlet, 18" x 40' C.M.I.
(State Forces)





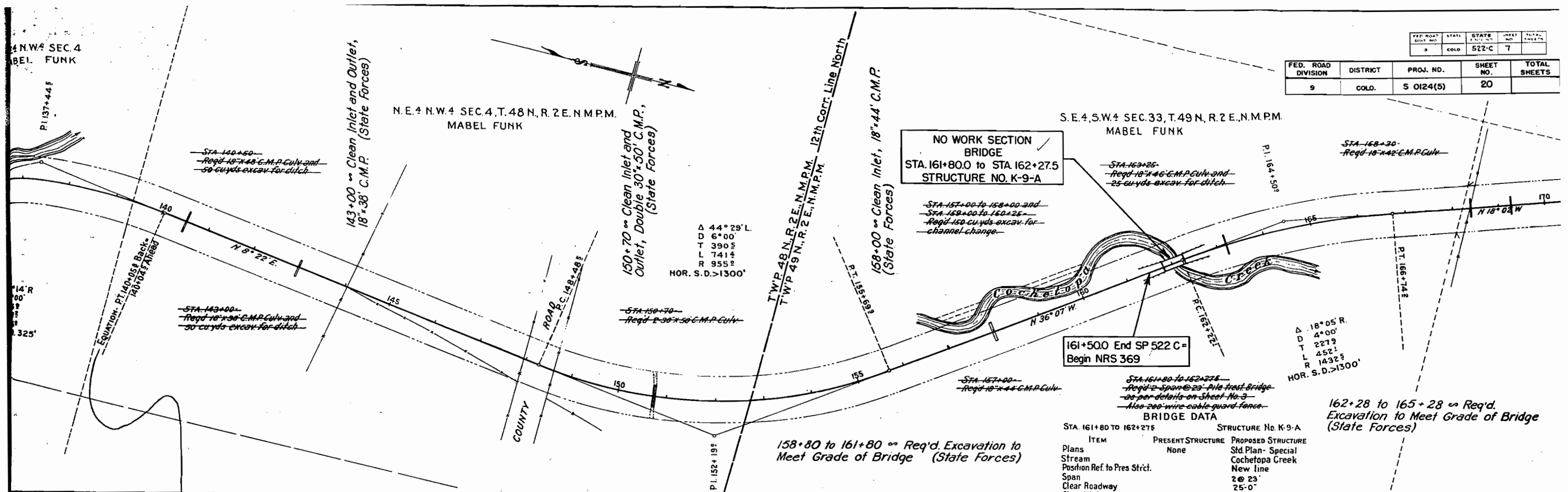
FED. ROAD DIVISION	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0124 (5)	19	6



4 N.W. SEC. 4
MABEL FUNK

FED. ROAD DIST. NO.	STATE	STATE A.D.D. NO.	SHEET NO.	TOTAL SHEETS
9	COLD.	522-C	7	

FED. ROAD DIVISION	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLD.	5 0124(5)	20	



ITEM PRESENT STRUCTURE PROPOSED STRUCTURE

Plans None Std. Plan- Special

Stream Position Ref. to Pres. Strct. Cochetopa Creek

Span New Line

Clear Roadway 2 @ 23'

Clear Waterway 25'-0"

Type of Superstructure 150 Sq ft

Type of Substructure Timb. Trestle- Plank Fl.

Detour Requirements Trt Timber Piles

R.R. Siding None

Haul to Bridge Site Parlin

Removal Requirements 6 Miles

Drainage Area in Sq. Mi. 380 Sq. Mi.

Velocity During High Water

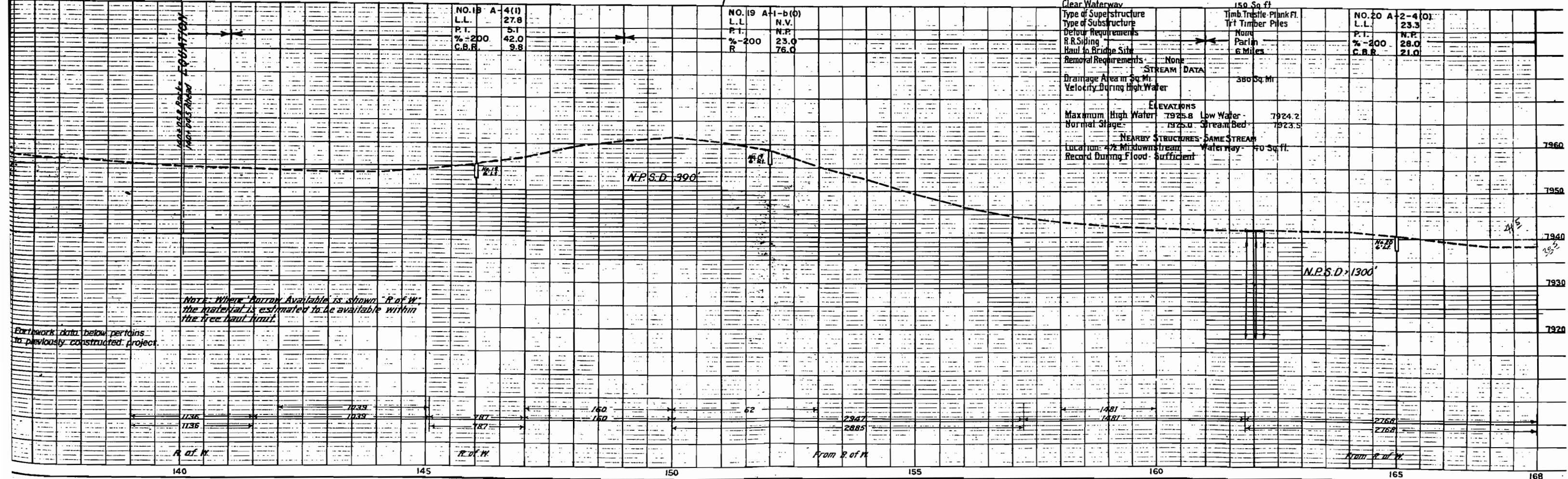
Maximum High Water 7925.8 Low Water 7924.2

Normal Stage 7925.0 Stream Bed 7923.5

NEARBY STRUCTURES- SAME STREAM

Location: 1/2 Mi. downstream Waterway- 70 Sq. ft.

Record During Flood: Sufficient



Earthwork data below pertains to previously constructed project.

R. of W.

R. of W.

From R. of W.

From R. of W.