

Gunnison Co. Line - N.

COLORADO STATE HIGHWAY DEPARTMENT

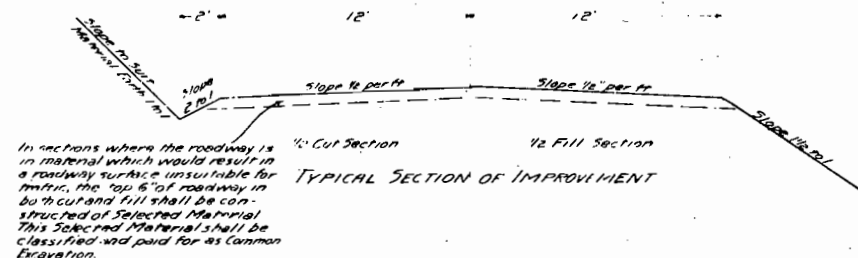
PLAN AND PROFILE OF PROPOSED STATE PROJECT NO. 756 STATE HIGHWAY NO. 114 GUNNISON COUNTY

CONVENTIONAL SIGNS

Survey Line
Right-of-Way Line
Force Line

INDEX OF SHEETS

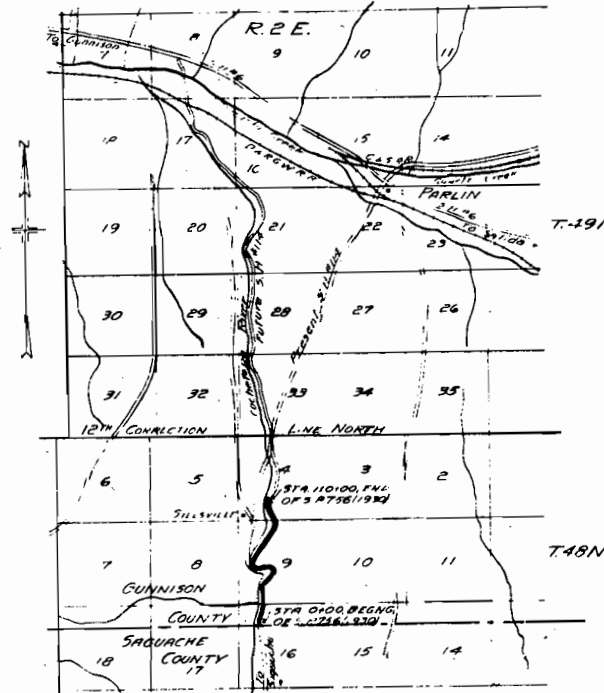
1. Sketch, Typical Sect. on and Summary Sheet.
2. Standard Barbed Wire Fence M 24 D.
3. Culvert Headwalls M 102 D.
- 4-7. Plan and Profile Sheets.



SUMMARY OF APPROXIMATE QUANTITIES

No	Item	Unit	PRELIM QUANTITY	FINAL QUANTITY
10a	Clearing & Grubbing the Entire Project	Lump Sum	-	-
11	Supplying 5' Structure	-	-	-
12a	Removing Fence	Lin Ft	7,000	-
13a	Common Excavation	Cu Yd	30,000	-
13b	Rock	Cu Yd	12,000	-
14a	1 1/2" Max. (Structural)	-	60	-
14b	Common	-	100	-
14c	1 1/2" Rock	-	20	-
14d	Common	-	30	-
18a	Station Yard Overhaul	Sq Ft	86,000	-
18b	Yard Mile	Sq Mi	100	-
46b	Class B Concrete	Cu Yd	30	-
53a	15 Corrugated Metal Culvert Pipe	Lin Ft	374	-
53b	18"	-	318	-
53c	24"	-	156	-
73a	Galvanized Barbed Wire Fence	-	11,000	-
73b	Gates in	Each	2	-

SCALES
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
NET LENGTH OF PROJECT 11000 FT. = 2.083 MI.



LIST OF STRUCTURES

Sta	Description	Remove Structure Each	Remove Fence Lin Ft	Comm Excav Cu Yd	Structural Excavation Cu Yd				Class B Concrete Cu Yd	Corrugated Metal Culvert Pipe Lin Ft			Wire Fence Lin Ft	
					18"	24"	30"	36"		15"	18"	24"		
0+00	Excav for Backfilling Subgrade			2,000										
0+00	Remove Fence		6,400										11,000	
0+00	Build Fence													
0+00-5+00	Ditch Change			30										
5+00	Cross Culvert				1				11		40			
11+75	" " Ditch			10		5			18	28				
15+75	" " " "			5	2	2			11		32			
18+75	" " " "			5	2	2			11		32			
23+75	" " " "								11		32			
28+80	Remove Culvert	1												
28+80	Cross Culvert, Ditch			5	2	2			09	34				
31+50	" " " "			5		1			11		34			
31+75	Remove Culvert	1												
34+65	Cross Culvert, Ditch			5		2			11		34			
36+65	" " " "			15		13			33			28		
39+48	Ditch Change			100										
42+00	Cross Culvert				1	1			11		32			
46+00	" " " "				2	2			11		38			
51+52	Ditch Change			10										
53+00	Cross Culvert				2	1			11		34			
61+00	" " " "					1			09		34			
64+00	" " " "								11		44			
68+50	" " " "					3	6							
69+50	Ditch Change			20										
71+00	Cross Culvert				13	19			17			64		
75+00	" " " "				4	6			09	50				
78+00	" " " "				4	6			09		48			
80+00-83+00	Ditch Change			150		5	6							
83+00	Remove Fence		800											
85+75	Cross Culvert, Ditch			10		12			17			30		
90+50	" " " "				1	3			09		46			
92+65	" " " "					14			17			34		
93+75	Remove Structure	1												
93+75	Cross Culvert				7	7			09		46			
101+50	" " " "				12	11			09		46			
106+50	Remove Structure	1												
107+50	" " " "													
108+00	Cross Culvert				7	6			09		42			
G. to Regularize Sta 7+50 and Sta 29+00														
Totals		5	7,200	2,370	63	124	-	-	295	374	388	158	-	11,000

Structural Excavation is estimated to be 100% Dry and 20% Wet

GENERAL NOTES

1. This Project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Department adopted on January 1, 1930.
 2. All quantities on preliminary plans are to be considered approximate only.
 3. All curves are to be super-elevated to a maximum amount as determined by the formula:
 $\text{Super-elevation (in ft)} = 0.0105 \cdot D \cdot W$
 in which
 D = degree of curvature,
 W = width of roadway (in feet)
 A super-elevation of 0.00316 per ft. of width of roadway is not to be exceeded.
 4. For section is to be standard except that a flat crown is to be used. The change from standard to super-elevated section is to take place in 100 ft, half on the curve and half on the adjoining tangent.
 5. All super-elevated curves are to be provided with one headwall on the inlet end, unless otherwise noted.
 6. From Sta 0 to 64 on the Project where the new work is upon the present traveled roadway, the Contractor shall, at his own expense, so prosecute construction that traffic can readily pass over the road. Also, the Contractor shall maintain in safe condition and at his own expense, all temporary approaches to and crossings of intersecting highways.
 7. All roadway preparation required to complete project is to be obtained as indicated on plans. Quantities involved outside the lines of original cut & fill, as shown on the Typical Section are to be classified and paid for as Excavation, and are to be staked as part of the original excavation at locations shown on the plans. Slope stakes beyond the limits of the minimum ditch slopes are subject to change by the Engineer to fit Embankment requirements actually encountered during construction.
 8. All excavation quantities in embankment outside the lines of the Typical Section shall be considered as waste, and no payment for these quantities shall be made unless specifically provided for by written order from the Department to the Contractor.

RECOMMENDED FOR APPROVAL

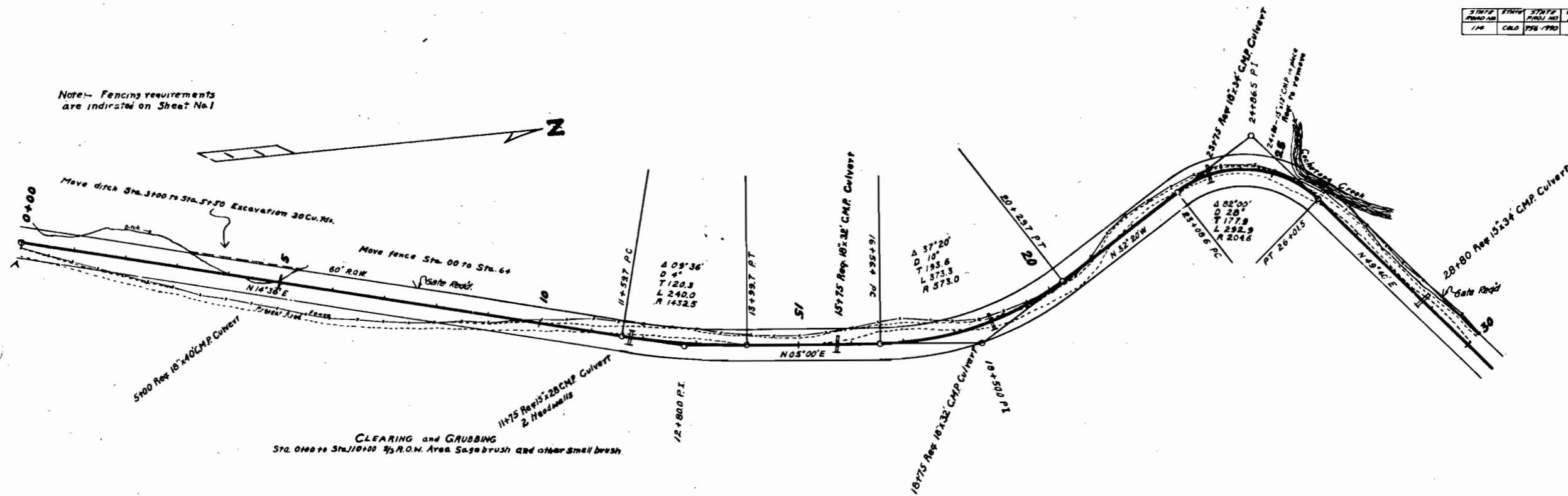
ASSISTANT ENGINEER

APPROVED

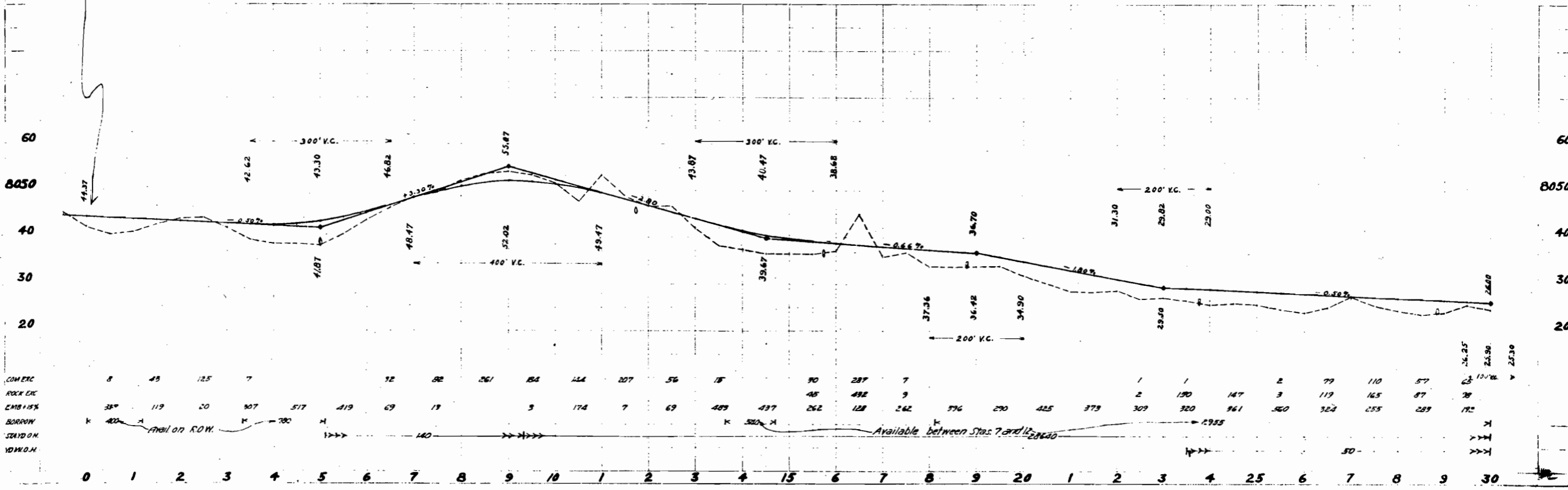
STATE HIGHWAY ENGINEER

STATE	STATE	STATE	STATE	STATE
1/16	1/16	1/16	1/16	1/16

Note:— Fencing requirements are indicated on Sheet No. 1



CLEARING and GRUBBING
Sta. 0+00 to Sta. 10+00 1/2 R.O.W. Area Sagebrush and other small brush



M.W. Gray
E.M. Perkins
1-1-30
1-15-30

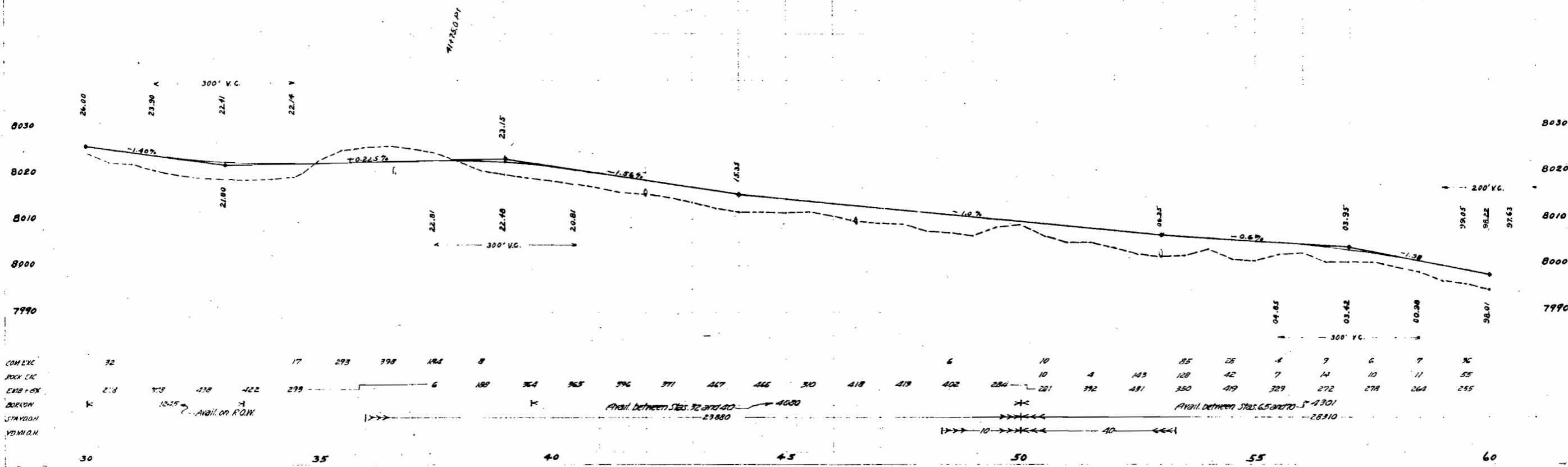
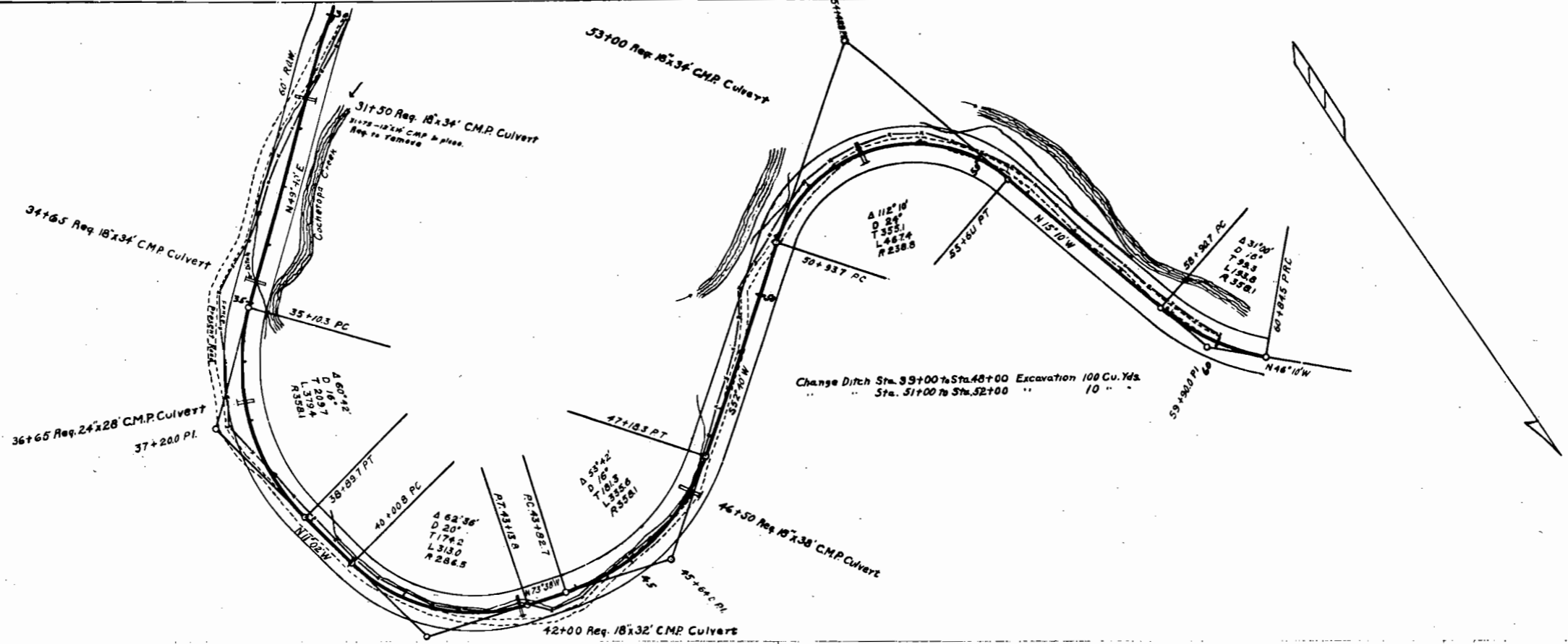
M.W. Gray
E.M. Perkins
1-15-30
1-25-30

Sta. 0+00 Beginning of Project

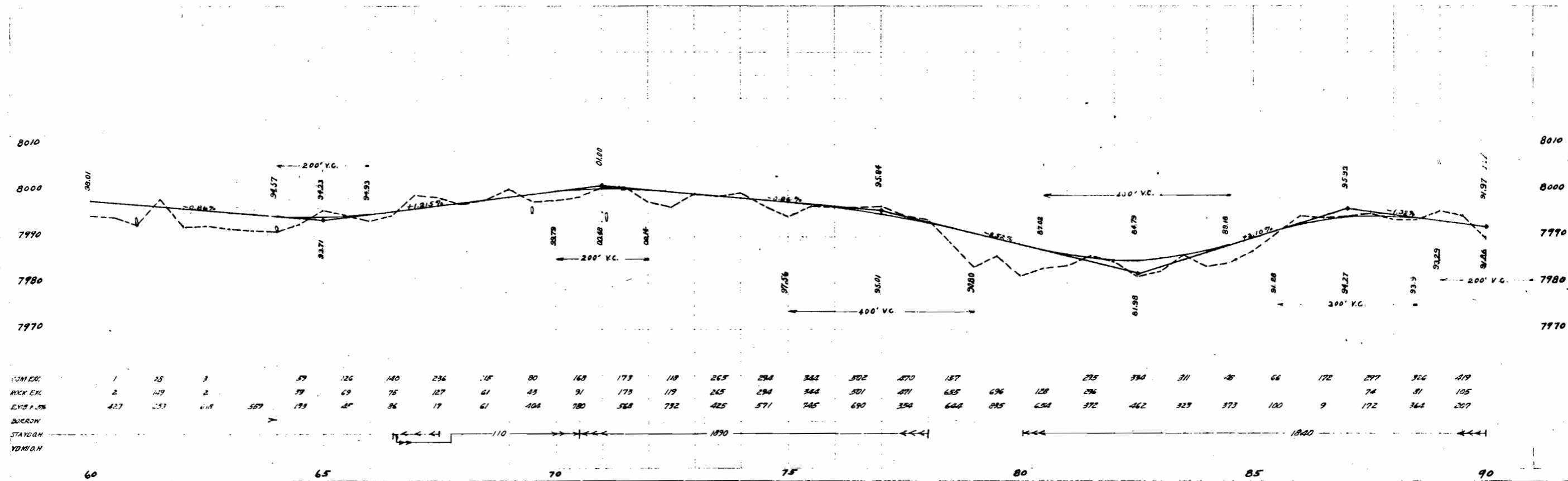
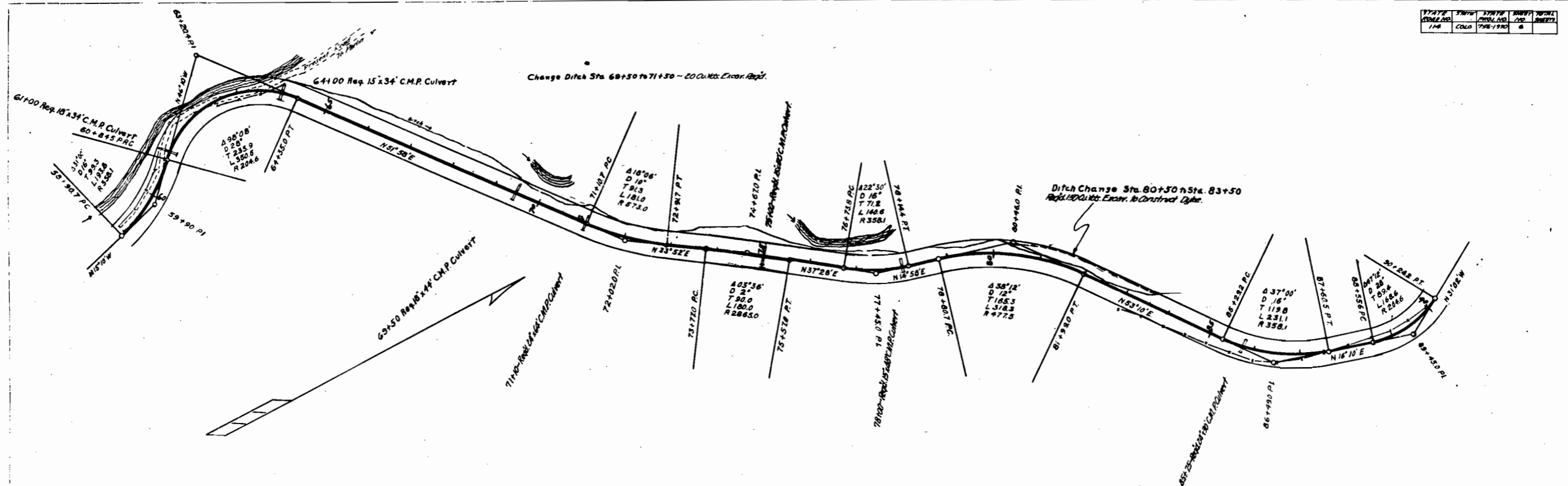
DATE	STATE	STATION	PROJECT	TOTAL
1/2	COLO	756-1930	5	

4-7-30
 E.M. Perkins

4-7-30
 E.M. Perkins



DATE	BY	CHKD	APP'D	TOTAL SHEETS
1/14/30	C.O.D.	T.M.S.	E.	6



M.K. Gray
E.M. Perkins
4-9-30
4-24-30

H.W. Gray
E.M. Perkins
4-10-30
4-28-30

60

65

70

75

80

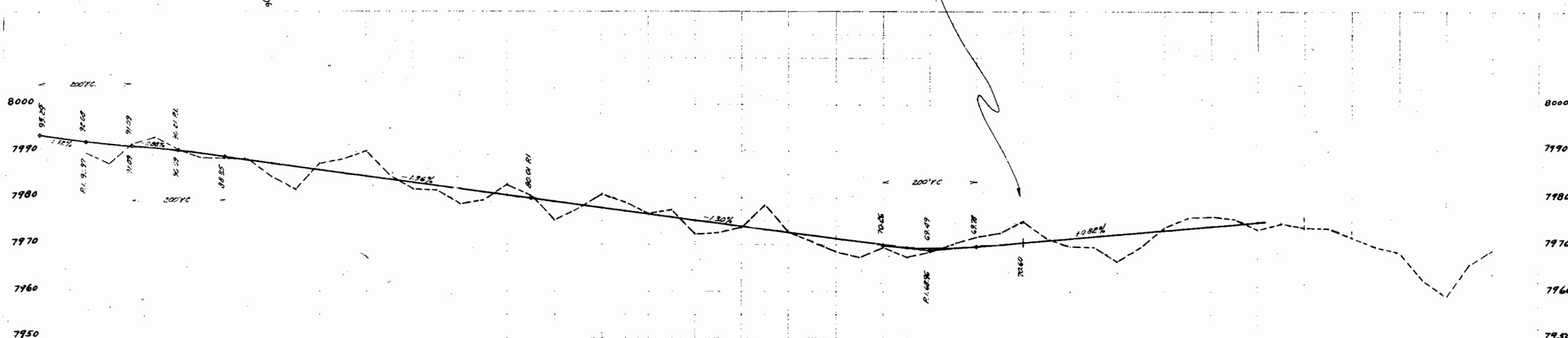
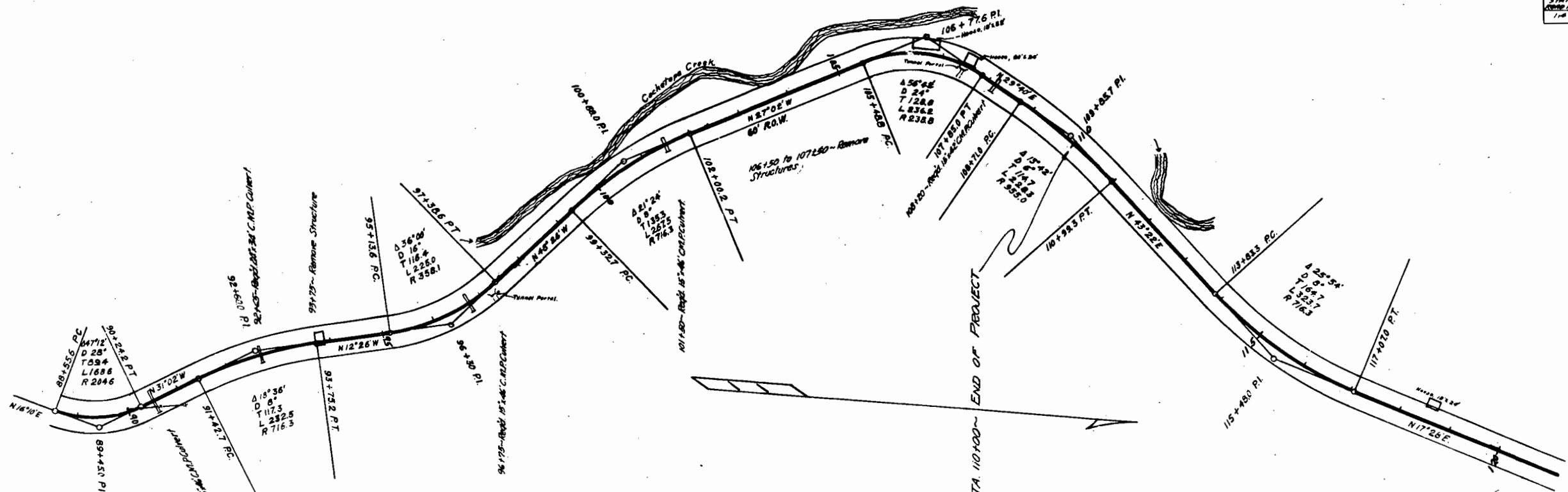
85

90

DATE	BY	REVISED	NO.	TOTAL SHEETS
1/18	COLL	7/28/1930	7	

N.W. Gray
E.H. Perkins
4-1-30
4-2-30

N.W. Gray
E.H. Perkins
4-2-30
4-23-30



CON. EXC.	122	70	78	166	172	96	193	195	135	48	202	135	89	87				
ROCK EXC.	31	633	153	124	257	143	199	292	232	232	302	236	134	167	241	189	130	290
EMB. 15%	645	210	187	187	525	515	319	598	472	667	318	461	524	489	538	596	452	283
BORROW																		
STA. 12 ON																		
YD. M. Q. H.																		

PROJECT TOTALS

10,875	Cu. Yds.
11,192	" "
38,200	" "
16,213	" "
85,000	Sta. Yds.
100	Yd. M.