

INDEX OF SHEETS

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 - 4 SURFACING PLAN, SUB-BASE MATERIAL PLAN, SKETCH MAP OF MATERIAL PIT, DETAIL OF CONCRETE COLLAR STA. 68+ AND DETAILS OF RIPRAP STA. 112+.
 - 5 FENCING REQUIREMENTS, TIMBER GUARD POSTS, RIGHT OF WAY MARKERS, DETAILS OF CONCRETE LINED DITCH & DETAILS FOR CONC. BOX EXT.
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 - 17 (DELETED)
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- M-1-C
- M-2-EM
- M-7-C
- M-10-B
- M-18-B
- M-19-D
- M-24-H
- M-29-A
- M-50-A
- M-50-AW
- M-102-G
- M-107-C
- M-16-A

COLORADO
DEPARTMENT OF HIGHWAYS
PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. S 0087(1)
STATE HIGHWAY NO. 7
BOULDER COUNTY

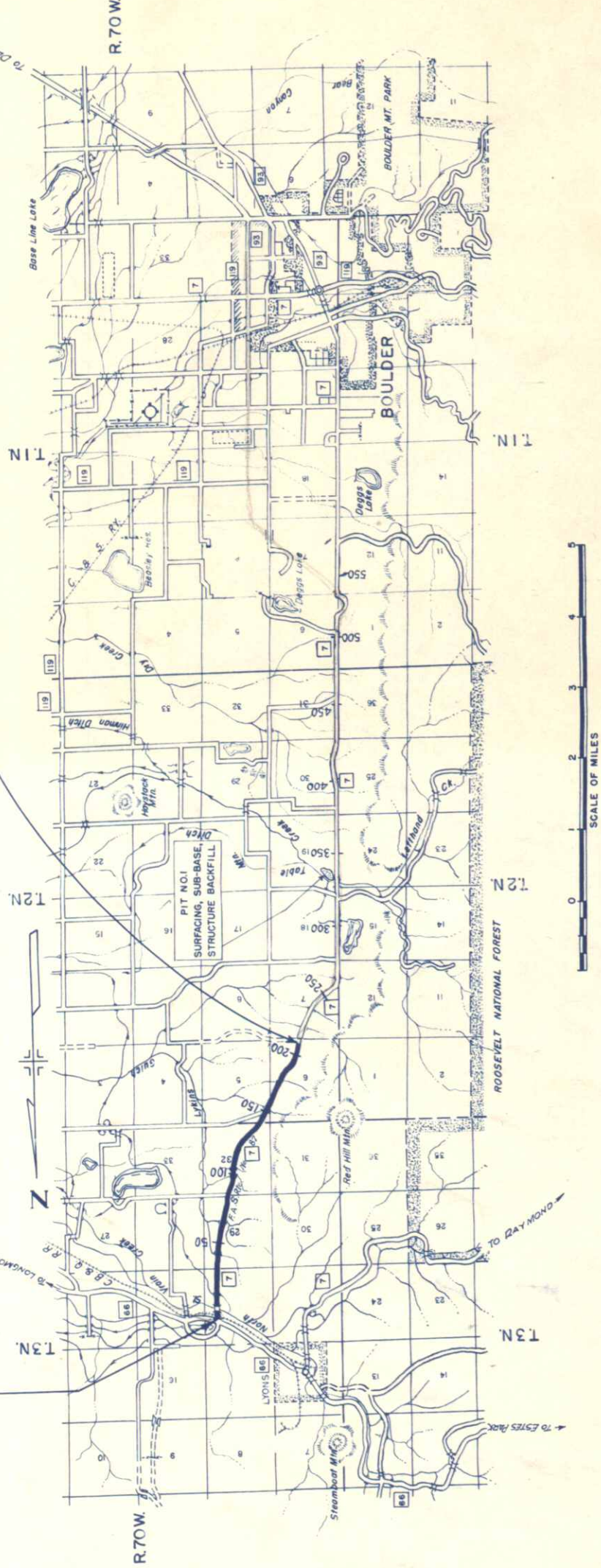
SCALES OF ORIGINAL DRAWINGS

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: 21,040.0 FT. = 3.985 MI.
NET LENGTH OF PROJECT:

STA. 1+10 BEGIN S 0087(1) = STA. 675+91.9 ON WPMS 417

STA. 211+00

END S 0087(1)



FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0087(1)	1	1

Rev. Project Designation 12-16-54 E.L.K.
Rev. 1-17-55, Project Length, J.C.R.

CONVENTIONAL SIGNS

- CENTER LINE
- RIGHT OF WAY LINE
- TOWNSHIP OR RANGE LINE
- LAND LINES
- RAILROADS
- BARBED WIRE FENCE
- TELEP. & TELEG. LINES
- POWER LINE
- PRESENT ROAD
- DETOUR

AS CONSTRUCTED PLANS
RETURN TO DIST. 4 DESIGN

NOTE: All references herein to Project No. S-50 0087(1) are authorized to be considered as Project No. S 0087(1).

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:
E. W. Oulert, Construction Engineer Greeley, Colo.
D. S. Moore, Resident Engineer Boulder, Colo.
Home Telephone HI-11621 2-1261

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: *W. H. ...* 12-2-54
CHIEF ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED: _____
DATE _____
DISTRICT ENGINEER

NOTE:
Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office.
Soil data show on the plans is obtained from best available testing laboratory information. This information is shown for the convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on the plans are encountered during construction the grading plan shown on plans will be modified where necessary to secure dense, stable embankments.
Fence Requirements, R.O.W. Markers and Guard Posts are tabulated on Sheet No. 5

NE 1/4 Section 20
T.3N., R.70W.

SE 1/4 Section 20
T.3N., R.70W.

FILED ROAD	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
DIV. NO. 9	COLO.	50087(1)	24	

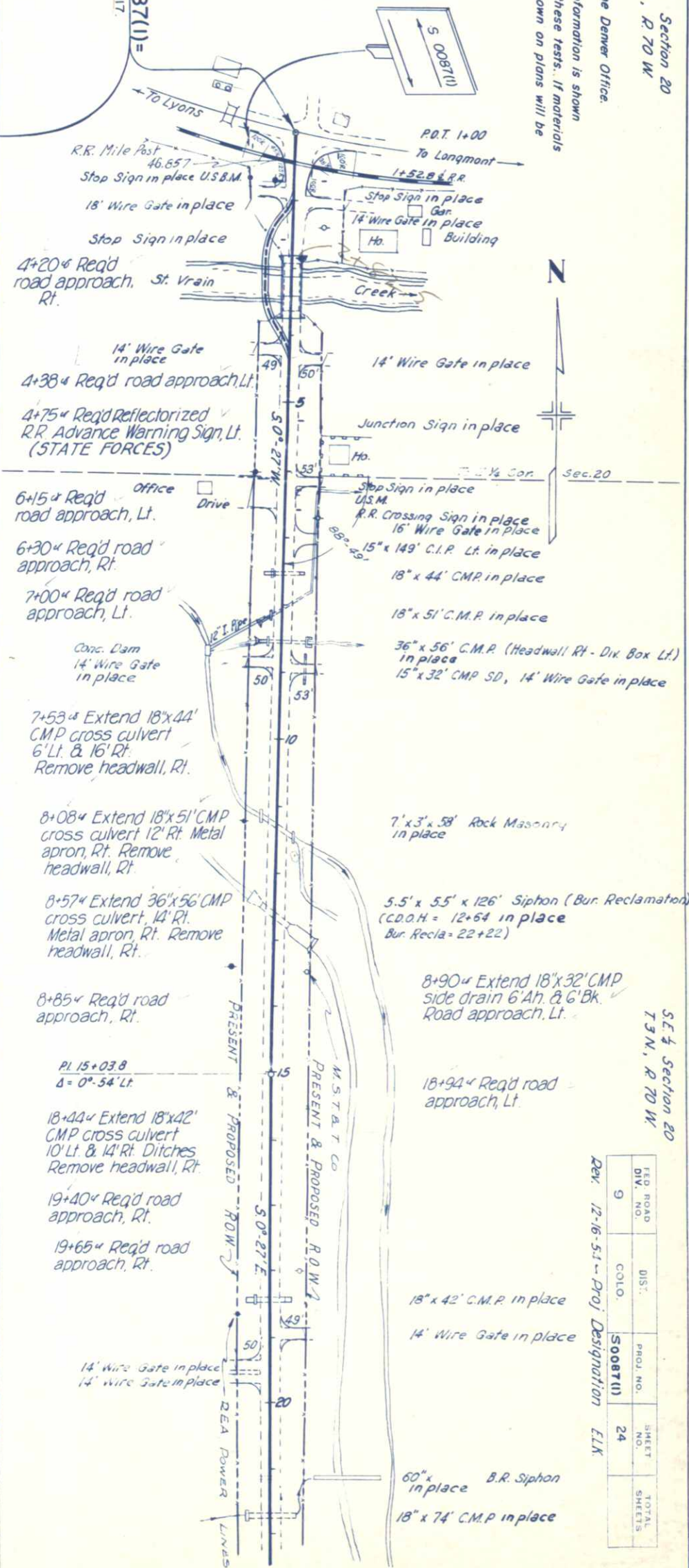
Rev. 12-16-51 - Proj. Designation ELK

Guard Posts and/or Guard Fence will be removed by State Forces.
Bench Marks encroaching on proposed construction will be removed and reset by State Forces.

2+82.5 to 3+75.5"
Req'd bridge. Remove bridge. (Details Sheet Nos. 9 & 10)
2+00 to 4+25" Req'd detour, Rt. Remove detour, Rt.

STA. 1+10 BEGIN S 0087(1) = STA. 675+91.9 ON WPM 417.

1+10" Req'd approach to project
1+ " Req'd project marker (State Forces)
FORCE ACCOUNT
1+46.3" Req'd R.R. Grade Crossing. Adjust R.R. Grades. (work by C.B. & Q.R.R. Forces)
Ref. Crossbucks Lt. & Rt. by State Forces.
2+00" Req'd road approach, Lt.
1+90" Req'd road approach, Rt.



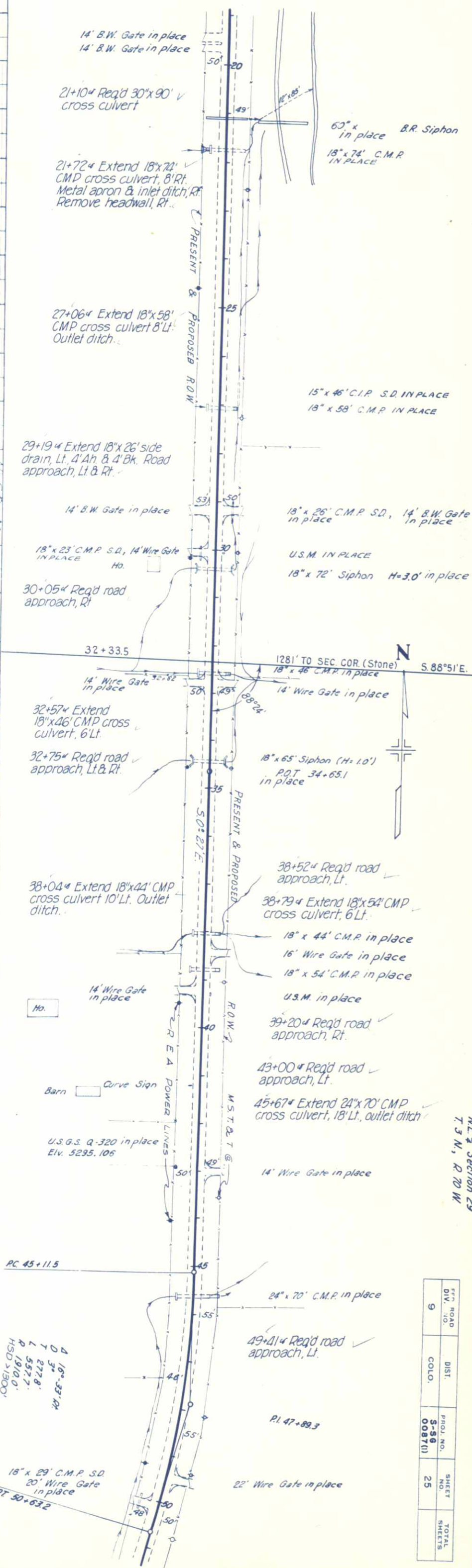
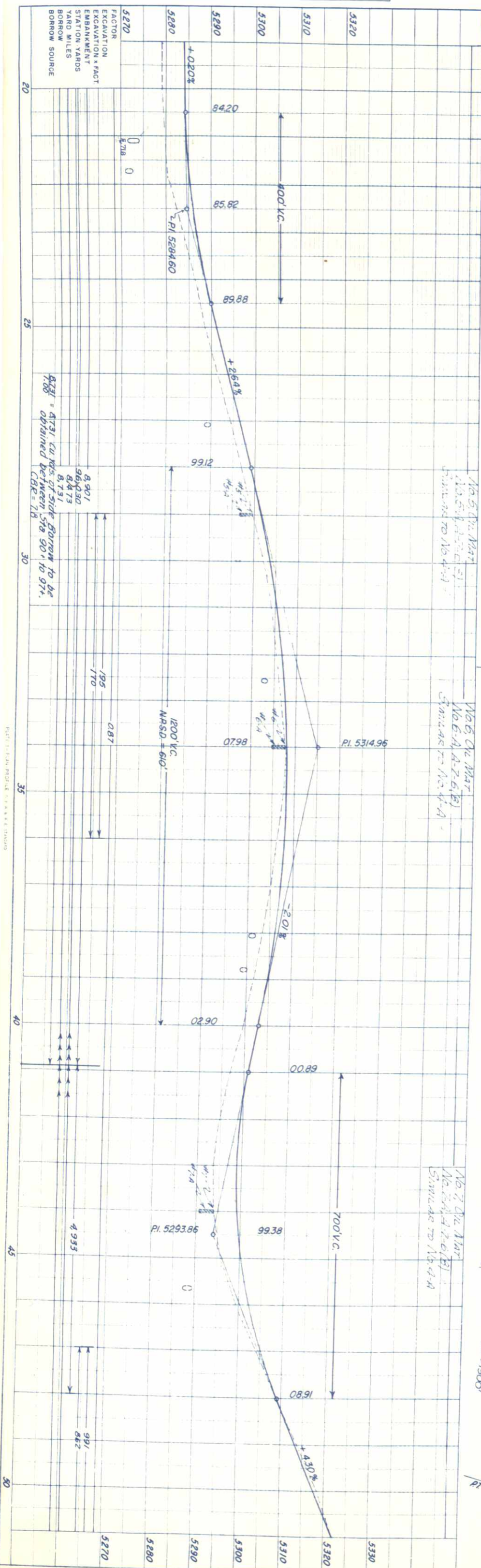
STRUCTURE NOTES FOR BRIDGE, STR. NO. D-15-E
STA. 2+82.5 TO 3+75.5

PRESENT STRUCTURE:
SPAN: 2@31'-6"
CLEAR ROADWAY: 20'-0"
CLEAR WATERWAY: 45'-0"
TYPE OF SUPERSTRUCTURE: REIN. CONC. SLAB
TYPE OF SUBSTRUCTURE: REIN. CONC. PIER
REQUIREMENTS AS TO REMOVAL - TO BE REMOVED
DRAINAGE AREA IN SQ. MILES - 223
ELEVATION OF: MAXIMUM HIGH WATER - 5262.5
LOW WATER - 5256.4
NORMAL STAGE - 5257.4
STREAM BED - 5254.4
DRAFT - MEDIUM
SCOUR - NONE
PROPOSED STRUCTURE:
POSITION, REFERRED TO PRESENT STRUCTURE - SAME
SPAN: 3@30'-0"
CLEAR ROADWAY: 28'-0"
CLEAR WATERWAY: 56'-0"
TYPE OF SUPERSTRUCTURE: REIN. CONC. SLAB & GIRDER
TYPE OF SUBSTRUCTURE: ABUTTS: 2 LEGS MONOLITHIC WITH SLAB & GIRDER ON 2 LEGS
PIERS: 2 LEGS WITH CURTAIN WALL
DETOUR STRUCTURE REQUIREMENTS - SEE SPECIAL PROVISIONS
R.R. SINGING LYONS, HALL TO BRIDGE SITE - 1 MILE

PLATE 1 - PLAN PROFILE - P. 1 & 2 - 1/2" = 1' - 1/2" = 1'



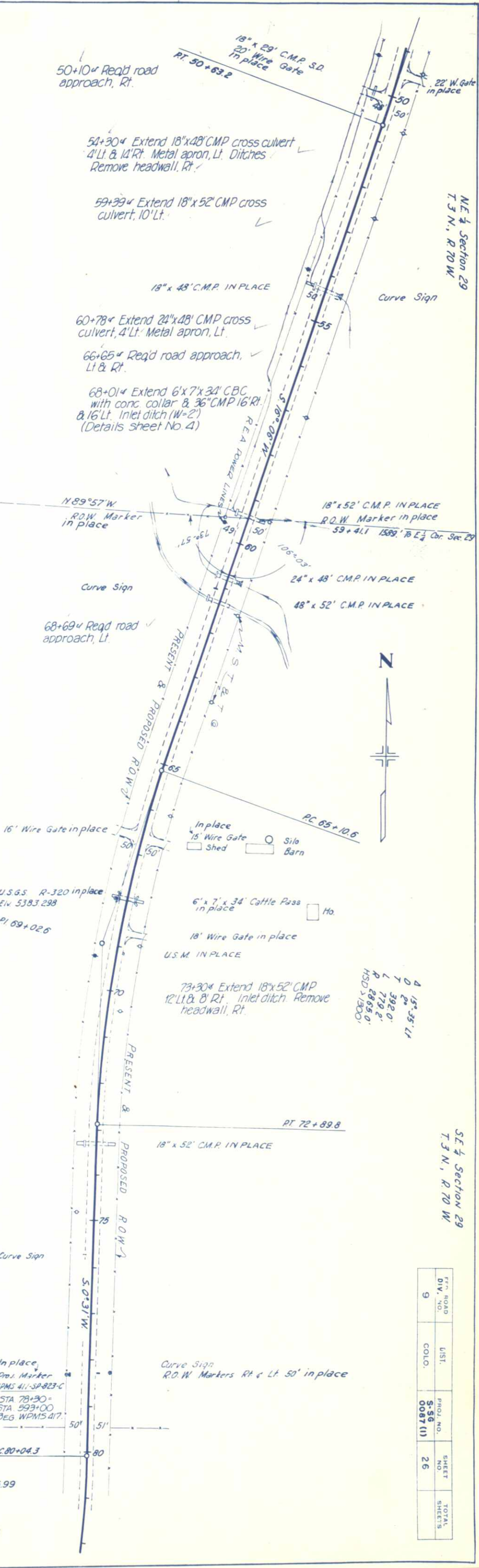
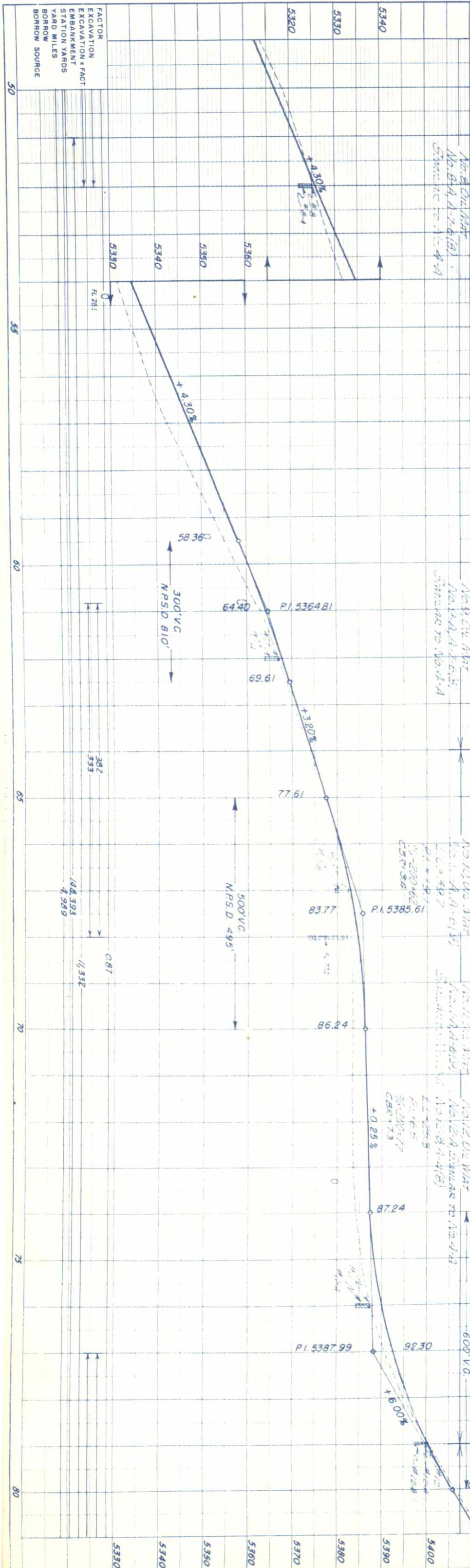
		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
NO 1007	RT. OF WAY CHECKED		
1006			



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S-36 0087(1)	25	

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 18008	GRADES CHECKED		
	B.M. NOTED		
	STRUCTURE NOTATION CHKD.		

	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



FR. ROAD	DIV. NO.	LIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.		5-38	0087 (11)	26

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO. 18008	GRADES CHECKED		
	BY M.A. NOTED		
	STRUCTURE NOTATIONS CHKD.		

	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

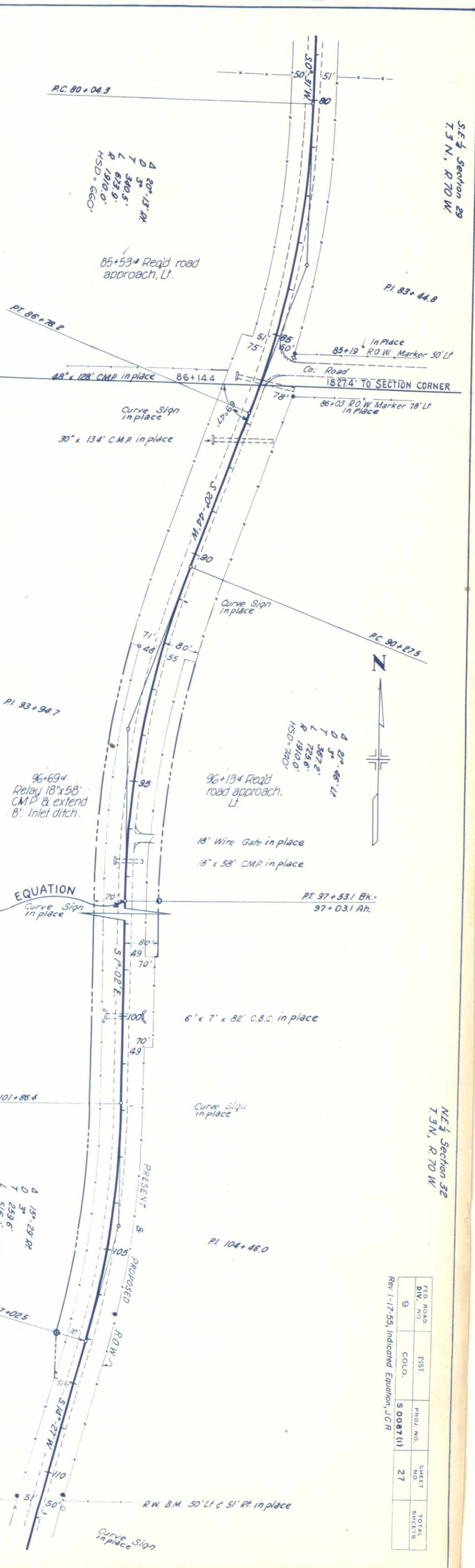
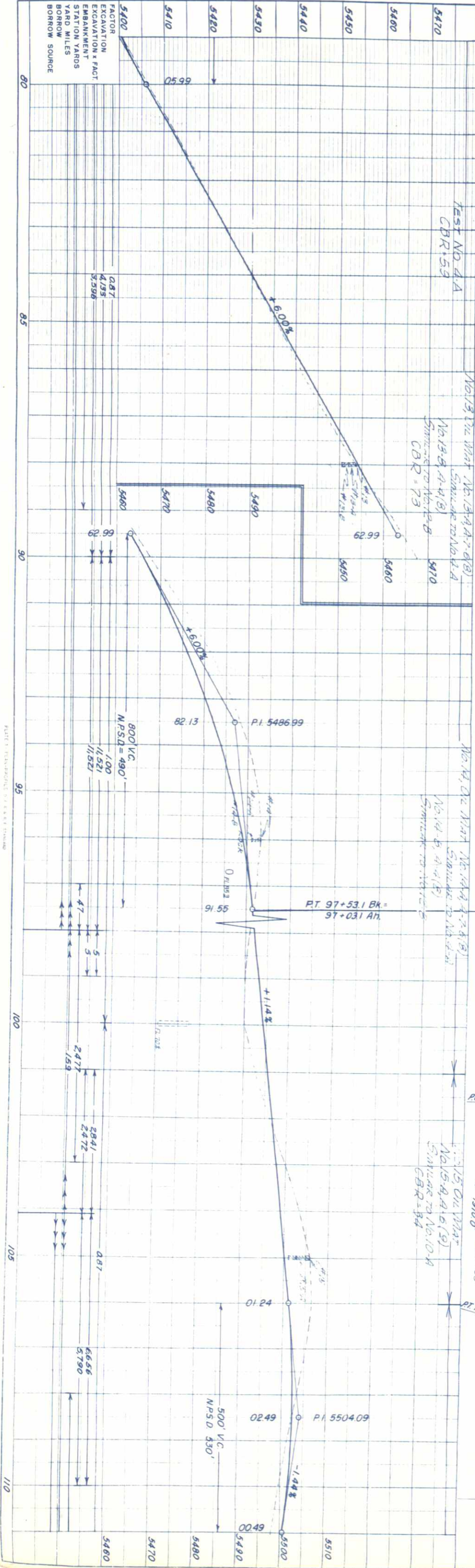
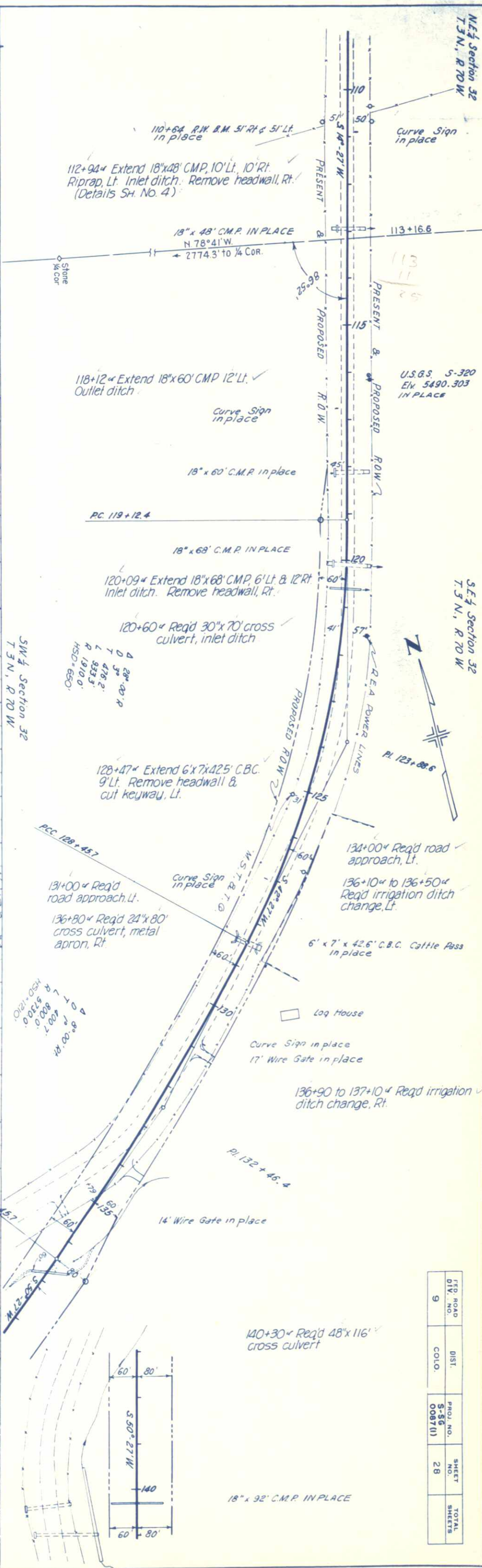
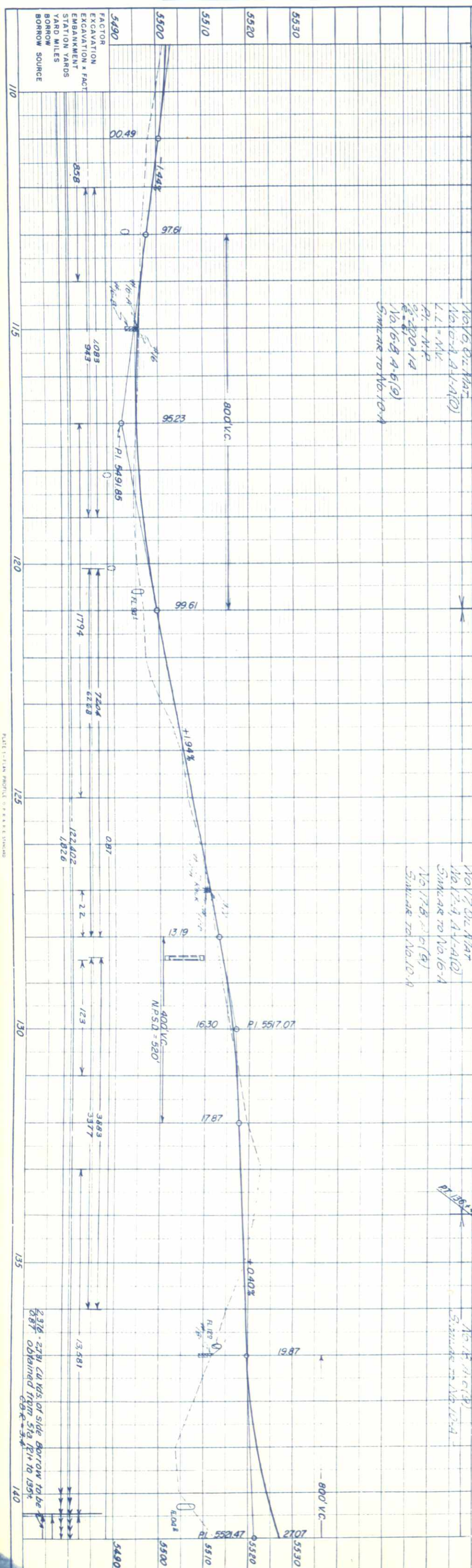


PLATE 1 - TRANSDUCER OF R.R. & T.R.

FED. ROAD	DIST.	PROJ. NO.	SHEET	TOTAL
DIV. NO.	COLO.	S 0067(1)	27	SHEETS

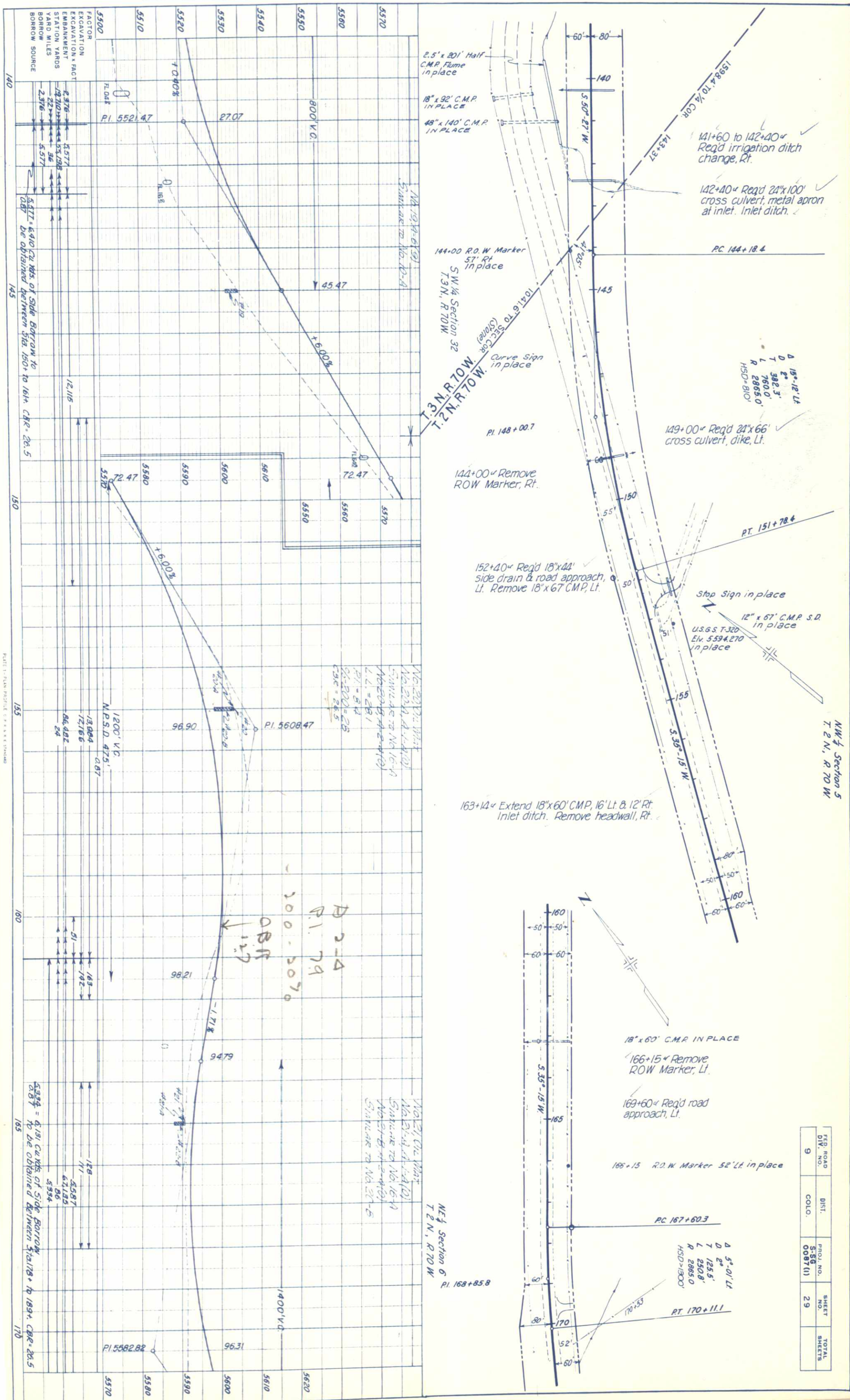
Rev. 1-17-55, Indicated Equation, J.C.R.

P		BY	DATE
	SURVEYED		
	PLOTTED		
NOTE BOOK	ALIGNMENT CHECKED		
NO. 1007	RT. OF WAY CHECKED		



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S-56 0067(1)	28	

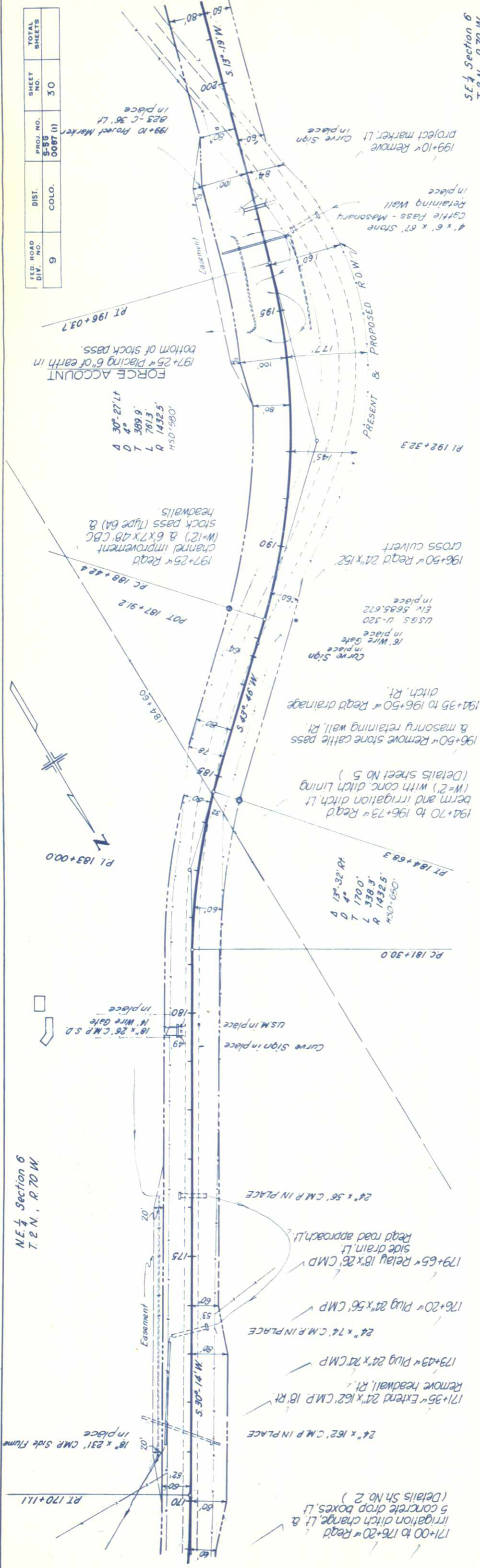
		BY	DATE
	SURVEYED		
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S-56 0087 (1)	29	

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	5-56 0087 (1)	30	

N.E. $\frac{1}{4}$ Section 6
T. 2 N., R. 70 W.



S.E. $\frac{1}{4}$ Section 6
T. 2 N., R. 70 W.

No. 22, Old Nat.
No. 22, A. A. - 1-A(2)
Similar to No. 16-A
No. 22, B. A. - 2-A(8)
Similar to No. 22-B

No. 24A-6(2)

No. 23-A-2-4(5)
Similar to No. 23-A
No. 23-A, A-2-4(5)
Similar to No. 23-B
No. 23-B, A-4(5)
Similar to No. 12-B
CBR-73

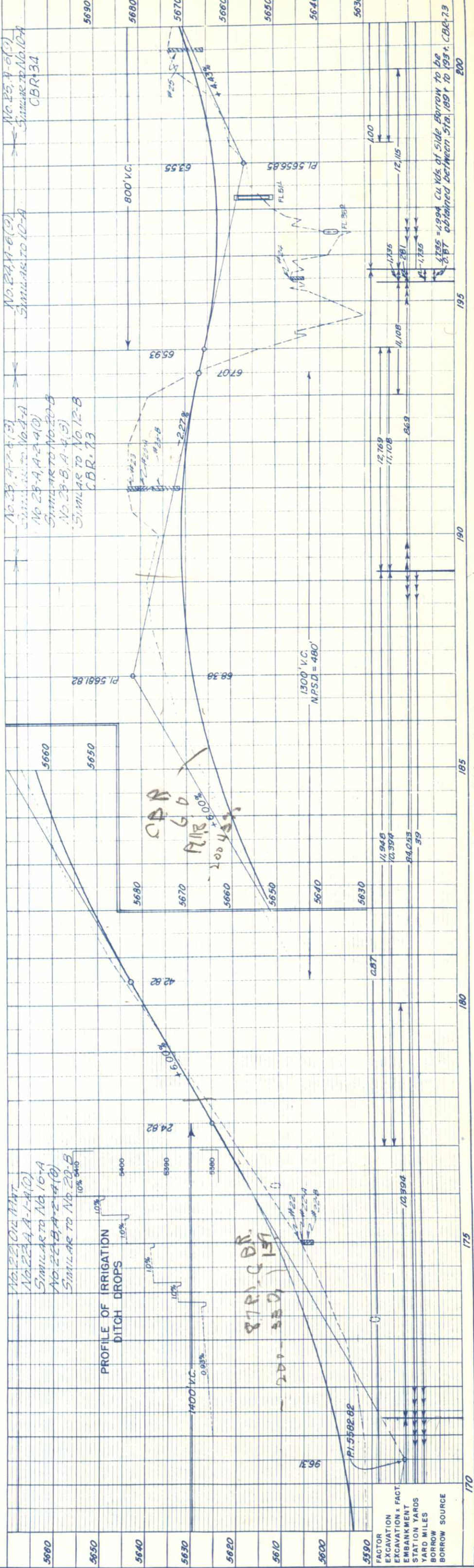


PLATE 1 - PLAN - PROFILE OF R & R E STANDARD

NE 1/4 Section 7
T.2 N., R.70 W.

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	5-55 0087 (1)	31	

Curve sign in place

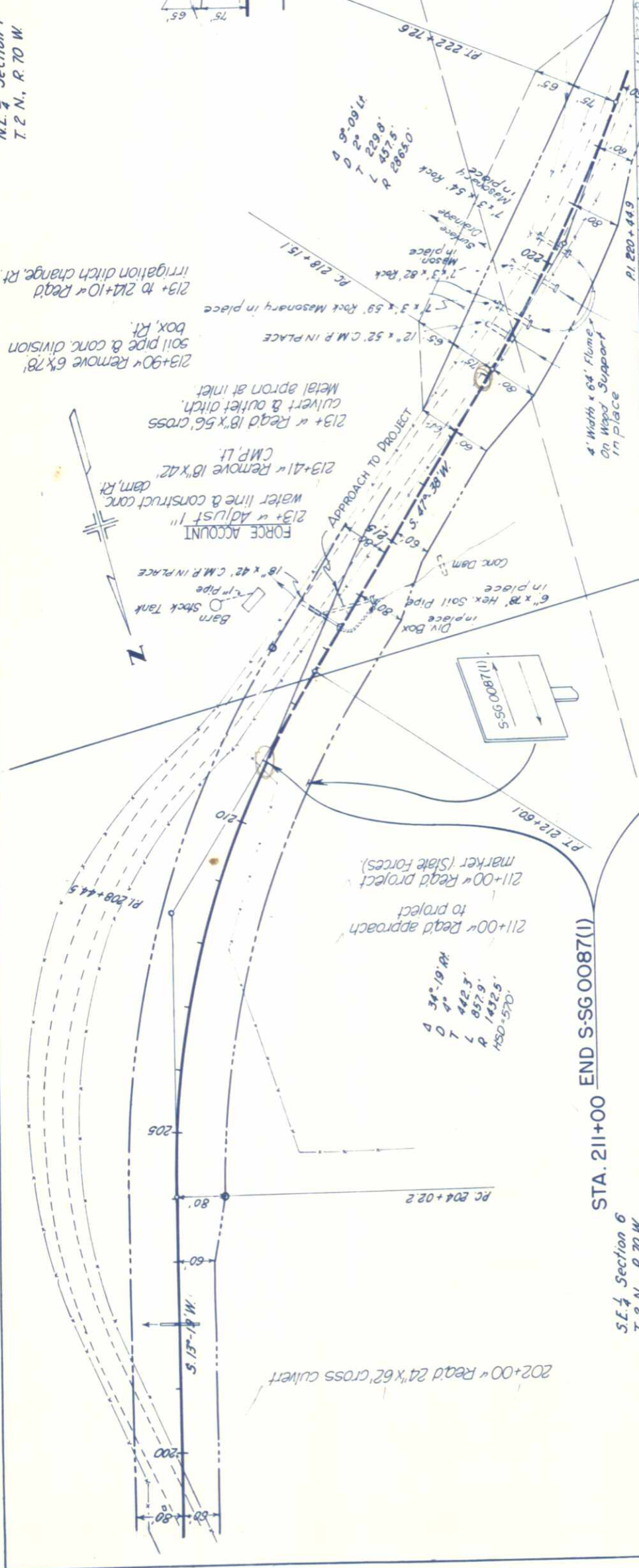
POT 230+07.5



18" x 90' C.M.P. in place

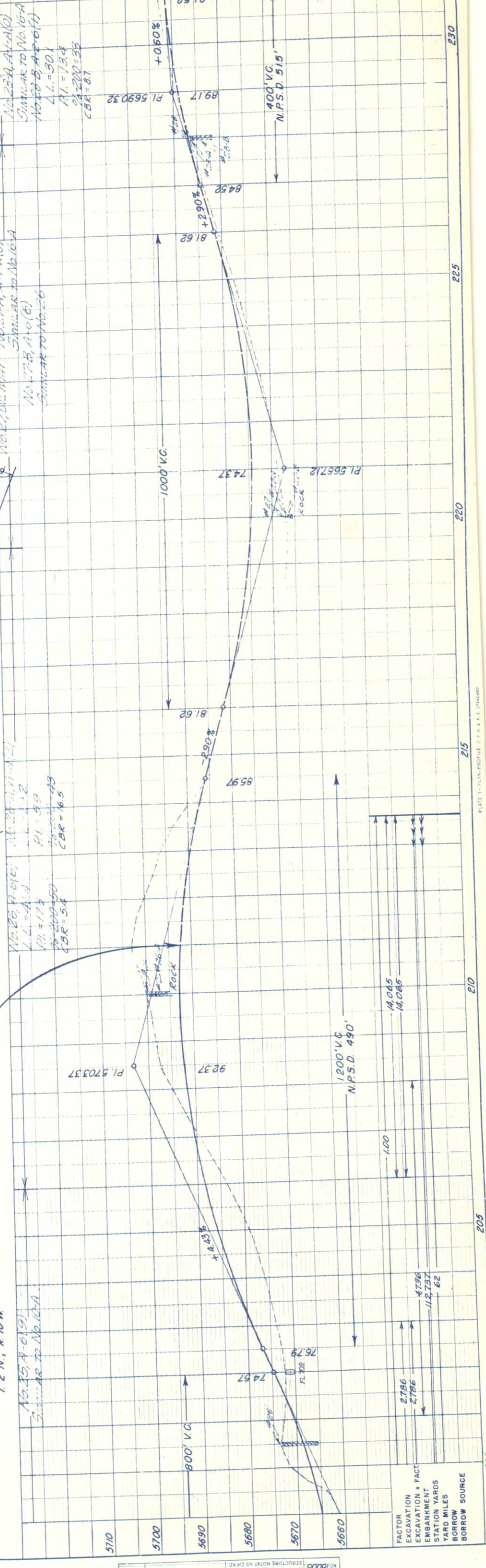
USGS V-320
Elev. 5700.874
in place

NW 1/4 Section 7
T.2 N., R.70 W.



STA. 211+00 END S-SG 0087 (1)

SE 1/4 Section 6
T.2 N., R.70 W.



FACTORY
EXCAVATION x FACT
EMBANKMENT
STATION YARDS
YARD MILES
BORROW SOURCE