

FED. ROAD DIV. NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13 UNIT 1	1	

1201

Sheet No 1	Sketch Map, Title Page and Tabulation of Length and Design Data.	
✓ 2	Typical Section, General Notes and Special Details	
✓ 3	Summary of Approximate Quantities	
✓ 4	Fencing, Sub-Base Material, Surfacing, R.O.W. Markers & Timber Guard Posts	
✓ 5	Pit Location	
✓ 6-7	List of Structures	
8	Details of Bridge, Sta. 158+	
9	Standard Concrete Box Culvert	(Spl. Rev. Std. M-104-G)
✓ 10	Standard Letters & Figures for Year Numbers & Structure Numbers	M-10-B
11	Standard Marker Posts	M-7-B
12	Standard Headwalls and Aprons for CMP Culverts	M-102-G
13	Standard Concrete Box Culvert	M-104-G
14	Standard Timber Guard Posts	M-19-D
✓ 15	Standard Wire Fence with Wooden Posts	M-24-H
✓ 16	Standard Picket Snow Fence with Steel Posts	M-25-B
17	Standard Methods for Superelevation & Widening of Curves	M-1-B
18	Standard Side Approach Roads, Flaring, Cut Slope Treatment & Widening at Bridges & at Crest of Grades	M-2-DM
✓ 19	Standard Roadway Construction Traffic Signs	M-29-A
✓ 20	Standard Types of Ditches and Construction Methods	M-107-C
✓ 21-31	Alignment Plan and Profile	
✓ 32-163	Cross Sections	
✓ 164	Summary of Earthwork Quantities	
12a	Special 6x7' Concrete Box Culvert for Stock Pass	M-101-D
31a	Geologic Profile between Sta 61+00 to 67+00	

STATION	ROADWAY	BRIDGES		LOADING
		NO	WORK	
	Lin. Ft.	Lin. Ft.	Lin. Ft.	
<u>BOULDER COUNTY</u>				
0+00 BEGIN AA-13 UNIT No.1	13,194.4			
131+94.4 Bk. = Equation				
123+31.5 Ah.	2,849.0			
157+50.5 Bridge		52.5		H-12-44
156+33.0	58.0			
156+91.0 Bk. = Equation				
159+00.0 Ah.	979.8			
168+79.8 County Line				
<u>JEFFERSON COUNTY</u>				
205+82.4 Bk. = Equation	3,702.6			
208+52.5 Ah.	5,032.5			
258+85 Bridge			43.0	H-18-44
259+28	1,372.0			
273+00 END AA-13 UNIT No.1 = BEG. AA-13 UNIT NO.2				

SCALES OF ORIGINAL TRACINGS
 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 27,283.8 FT. ± 5.167 MI.
 NET LENGTH OF PROJECT 27,240.8 FT. ± 5.159 MI.



CENTER LINE OF SURVEY 

RIGHT OF WAY LINE 

COUNTY LINE 

TOWNSHIP OR RANGE LINE 

SECTION LINE 

QUARTER SECTION LINE 

RAILROAD 

BARBED WIRE FENCE 

SNOW FENCE 

TELEPH. & TELEG. LINE 

POWER LINE 

PRESENT ROAD (PLAN SHEETS) 

It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this Department.

Glen McEldowney, Construction Engineer,
Denver, Colorado.

Paul R. Morley, Resident Engineer,
Denver, Colorado.

COLORADO
DEPARTMENT OF HIGHWAYS

APPROVED: *Mark V. Watrous* 7-3-53

CHIEF ENGINEER DATE

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

APPROVED:

DISTRICT ENGINEER DATE

NOTE:

Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office.

Soil data shown on the plans is obtained from best available testing laboratory information. This information is shown for convenience of the Contractor and the Department does not guarantee the accuracy of these tests. If materials not conforming to the data on plans are encountered during construction, the grading plan shown on plans will be modified where necessary to secure dense, stable embankments.

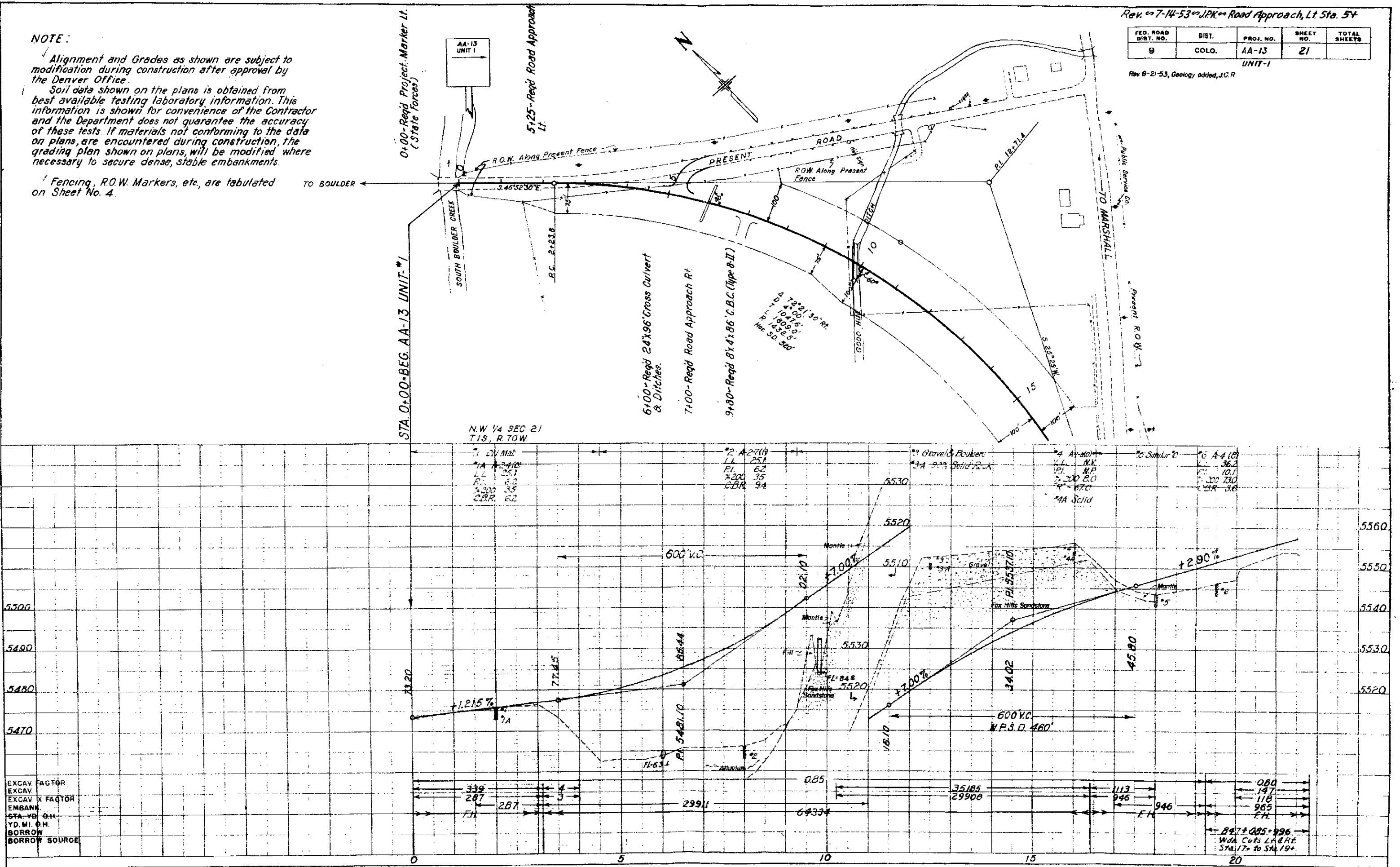
Fencing, R.O.W. Markers, etc., are tabulated on Sheet No. 4.

Rev. 7-14-53 JPK Road Approach, Lt. Sta. 5+

FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	21	

UNIT-1

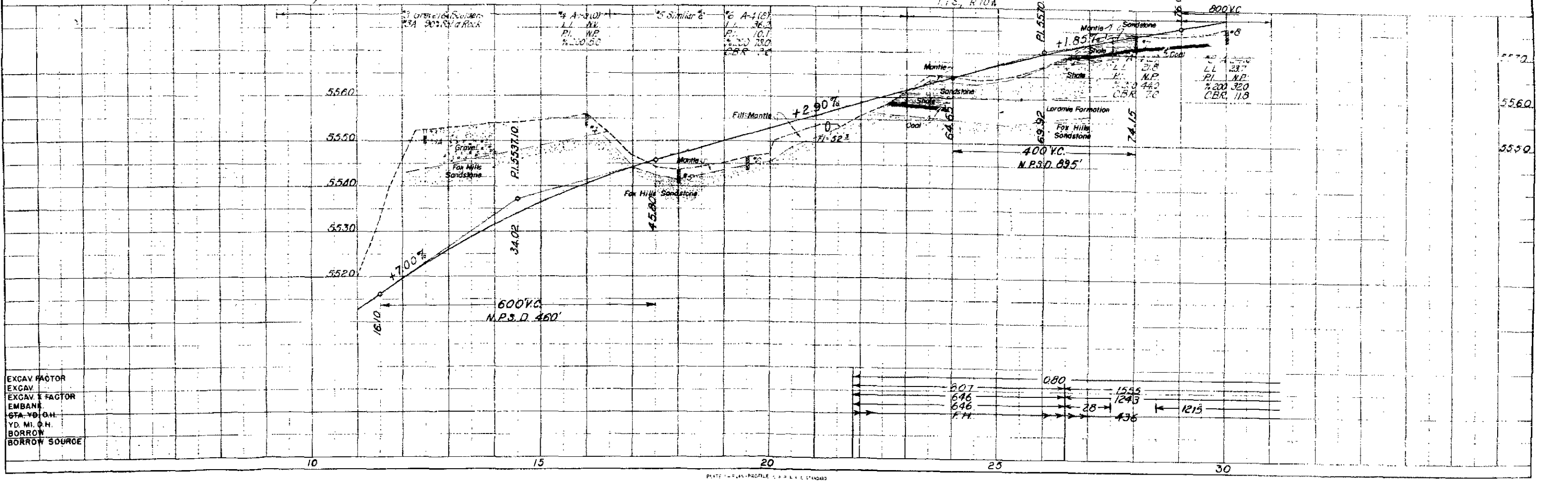
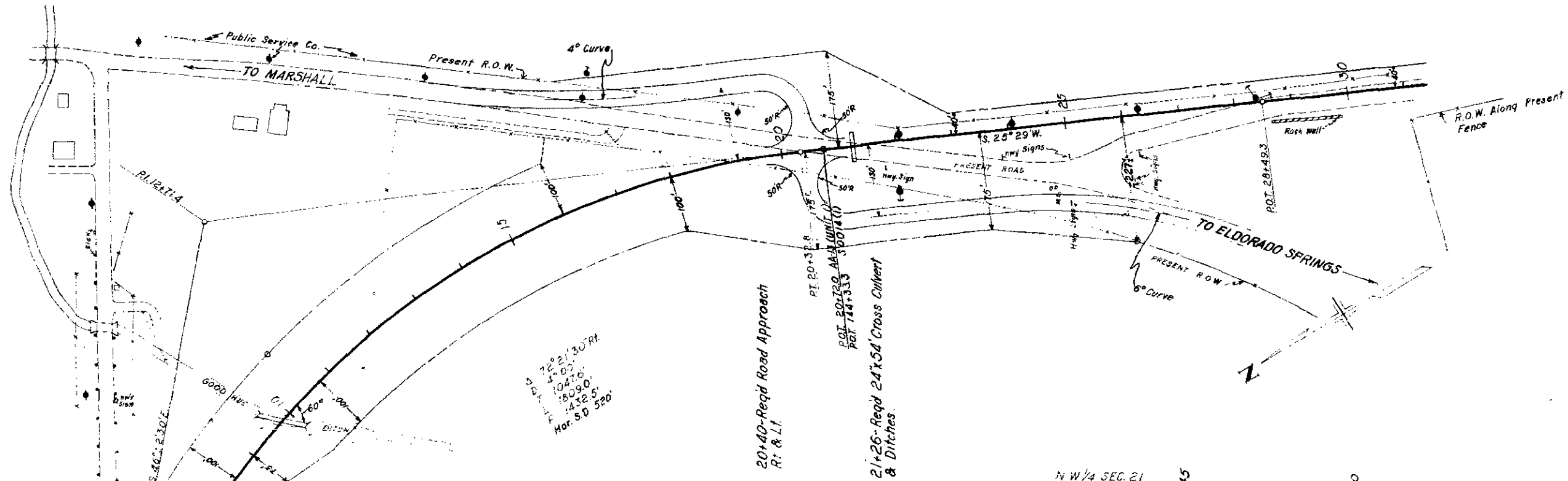
Rev. 8-21-53, Geology added, J.C.R.



FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLD.	AA-13	22	

Rev. 8-21-53, Added Geology, J.C.R.

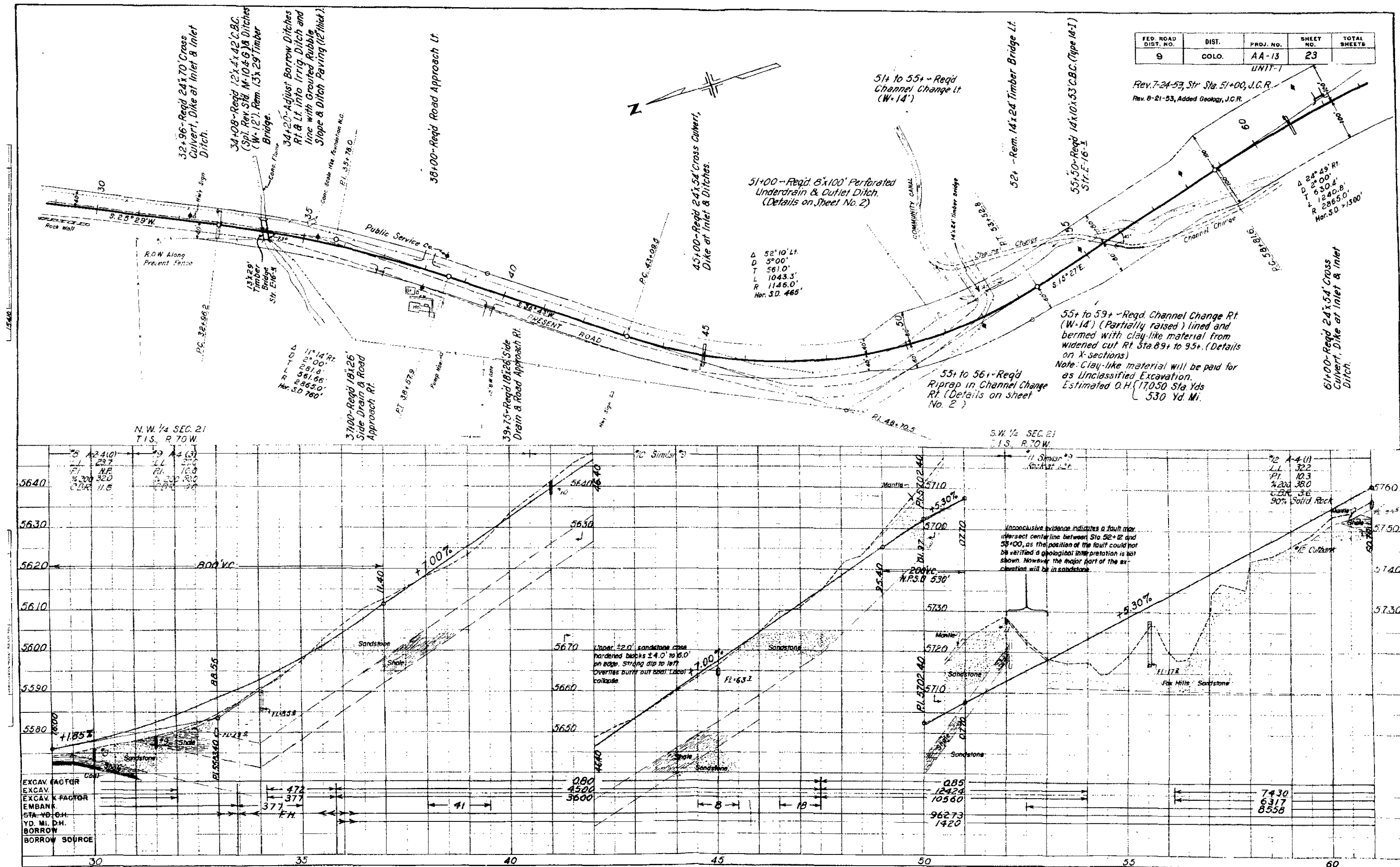
UNTY-1



EXCAV FACTOR
EXCAV
EXCAV & FACTOR
EMBANK
GTA YD. O.H.
YD. MI. O.H.
BORROW
BORROW SOURCE

FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	23	

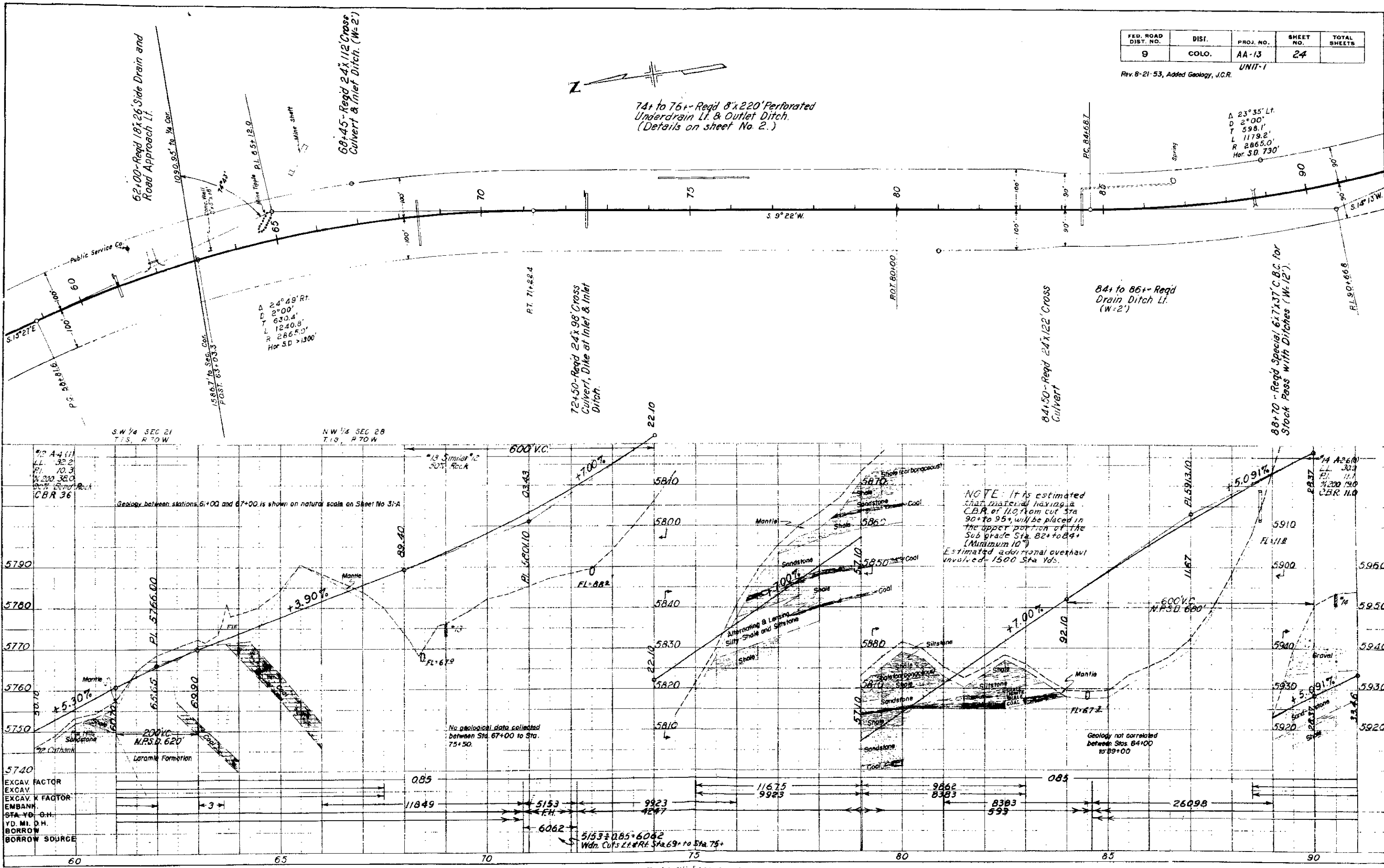
Rev. 7-24-53, Str Sta. 51+00, J.C.R.
Rev. 8-21-53, Added Geology, J.C.R.



FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	24	

Rev. 8-21-53, Added Geology, J.C.R.

UNIT-1

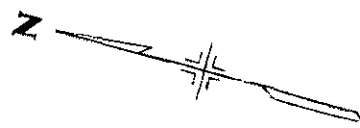


Rev. 7-24-53, St. Sta. 91+ to 95+00, J.C.R.

FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	25	

Rev. 8-21-53, Added Geology, J.C.R.

UNIT-1



Δ 23°35' Lt.
D 2°00'
T 598.1'
L 1179.2'
R 2865.0'
Hor. S.D. 730'

PI. 96+47.9

91+ to 95+00 - Reg'd 8' x 450' Perforated Underdrain Rt. and Outlet Ditch.
(Details on Sheet No. 2)

90+ to 107+ - Reg'd Double Snow Fence Rt.

97+75 - Reg'd 24' x 72' Cross Culvert & Inlet Ditch.

100+ to 107+ - Reg'd Flatten Back Slopes Rt & Lt (Snow Condition)

111+50 - Reg'd 24' x 62' Cross Culvert & Ditches.

113+50 - Reg'd Road Approach Rt. & Lt.

113+ to 124+ - Reg'd Widen & Deepen Borrow Ditch Rt.

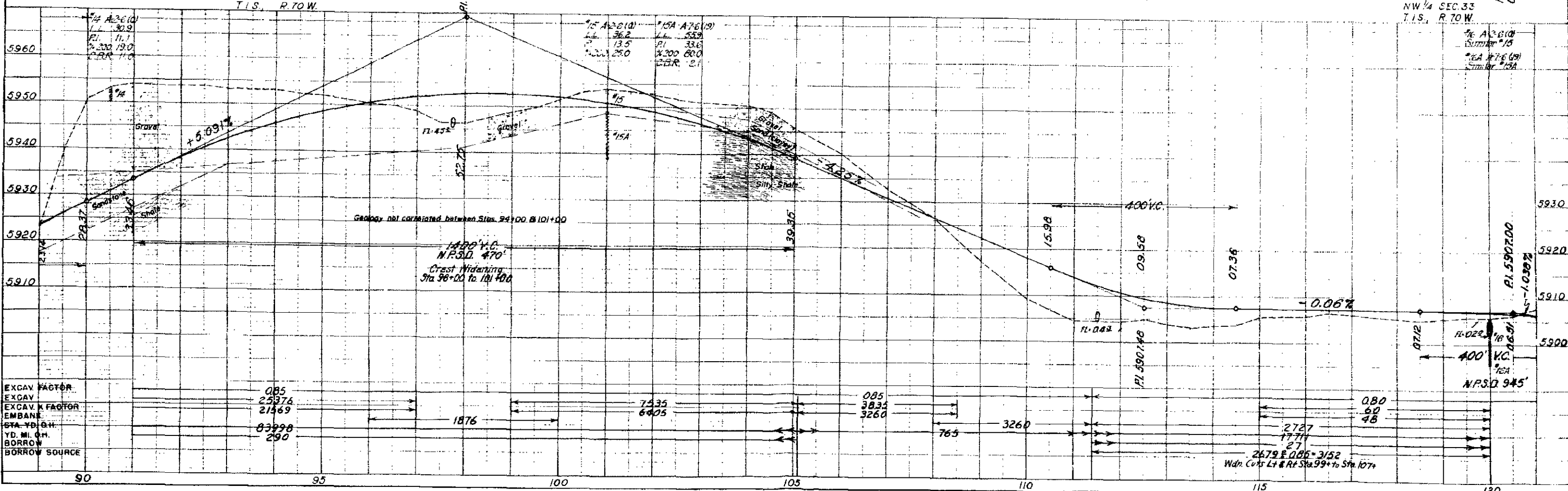
117+ to 125+ - Reg'd Double Snow Fence Rt.

Δ 31°11' Rt.
D 2°00'
T 799.5'
L 1559.2'
R 2865.0'
Hor. S.D. 960'

120+00 - Reg'd 36' x 56' Cross Culvert & Ditches.

S.W. 1/4 SEC. 28
T.1S., R.70W.

N.W. 1/4 SEC. 33
T.1S., R.70W.



EXCAV. FACTOR
EXCAV.
EXCAV. K FACTOR
EMBANK.
STA. YD. G.H.
YD. MI. G.H.
BORROW
BORROW SOURCE

085
25376
21369
83290
290

1876

7535
6405

085
3835
3260

765

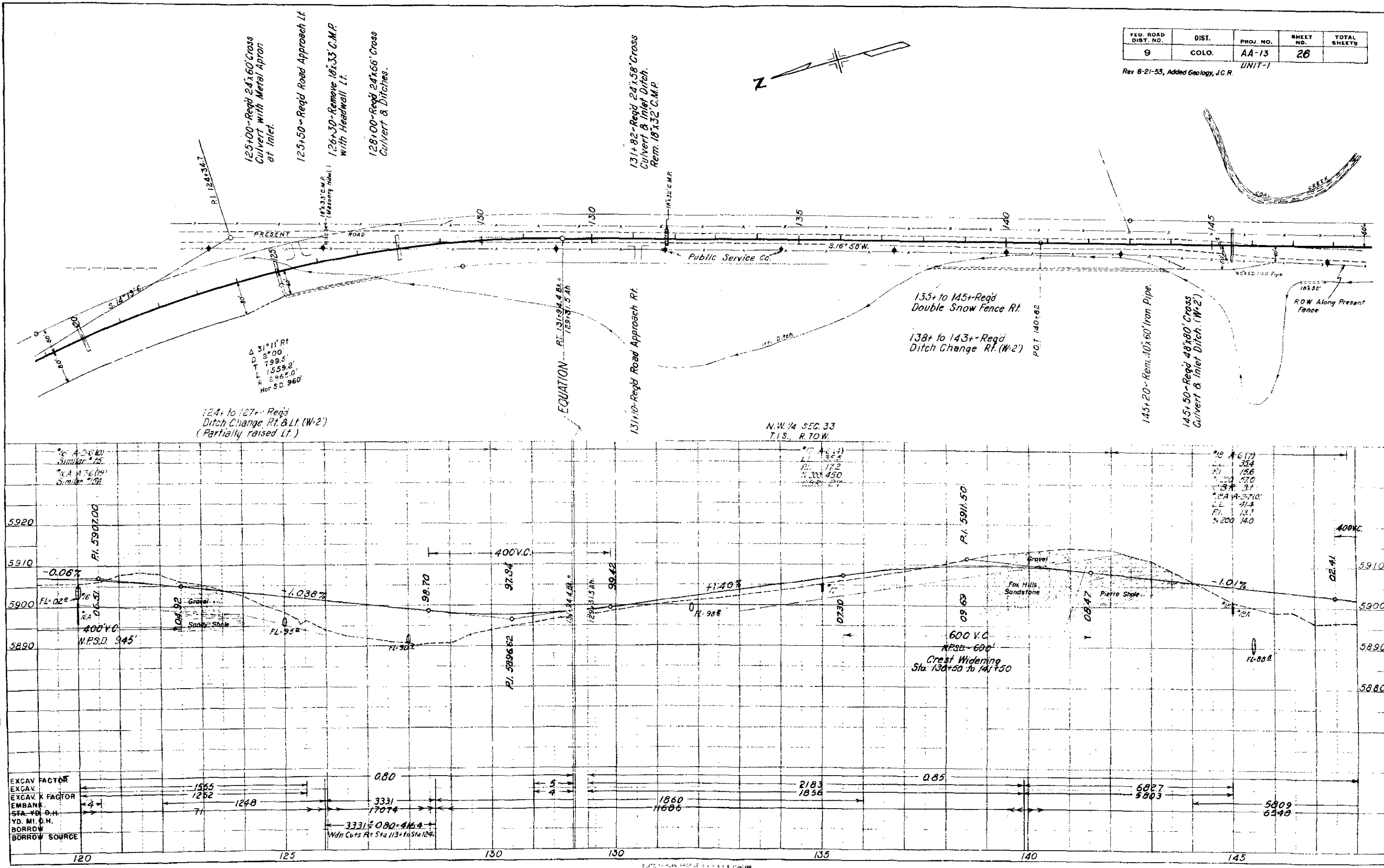
3260

080
60
48

2679 E 0.06% = 3/52
Wdn. Cuts Lt. & Rt. Sta. 99+ to Sta. 107+

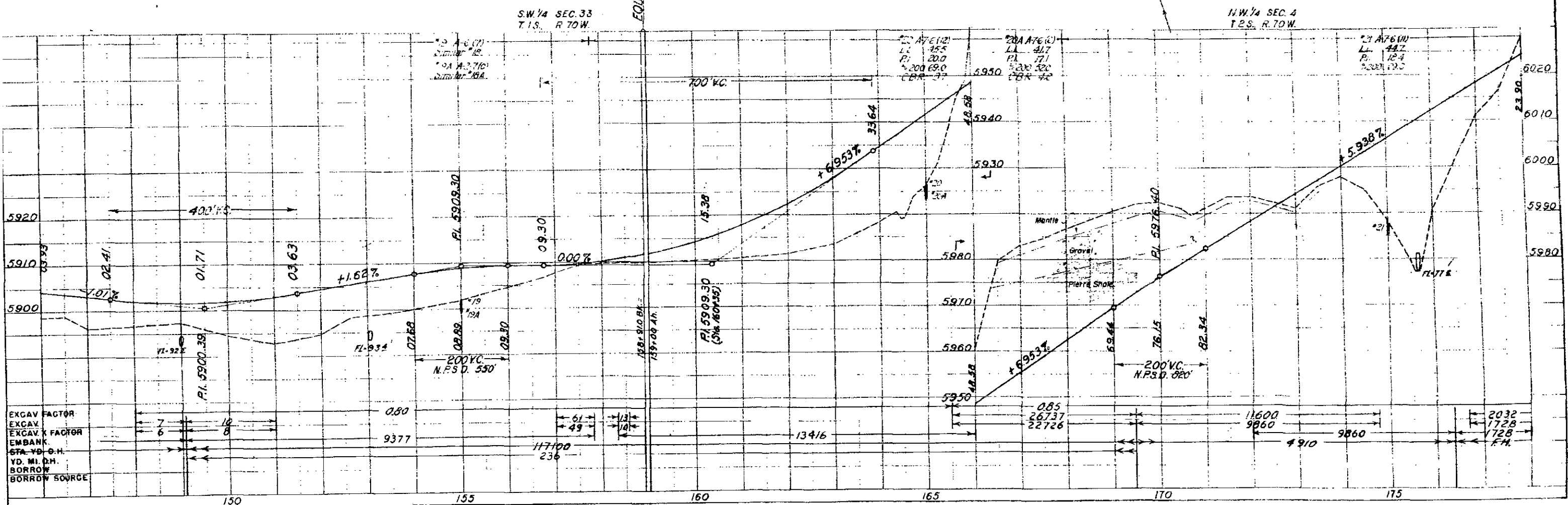
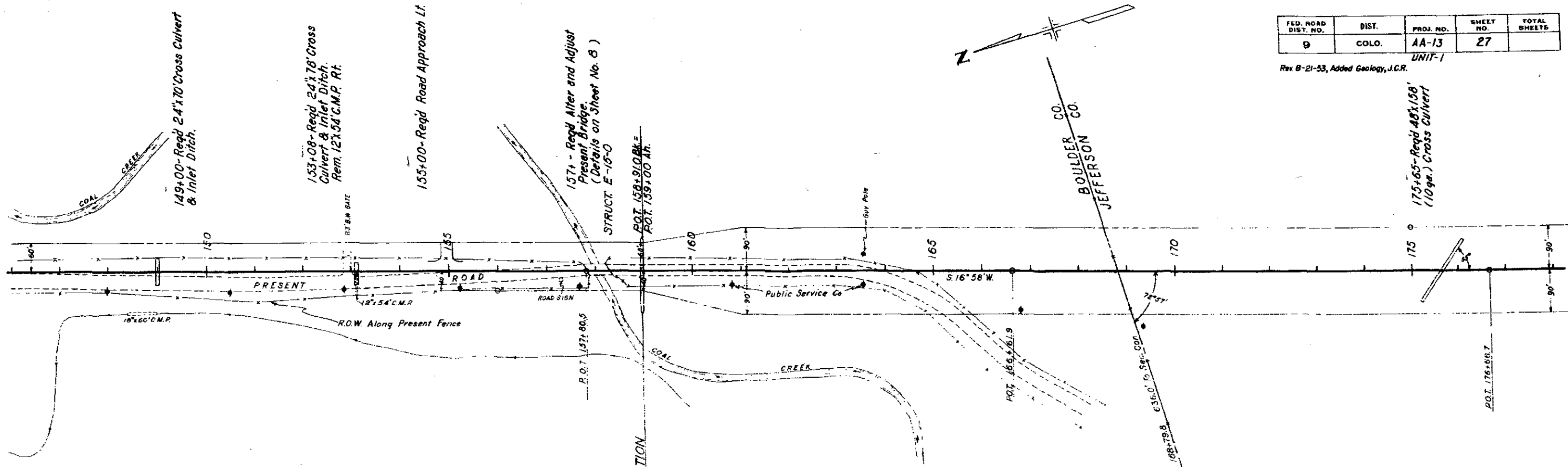
FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	26	

Rev 8-21-53, Added Geology, J.C.R.
UNIT-1



FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	27	

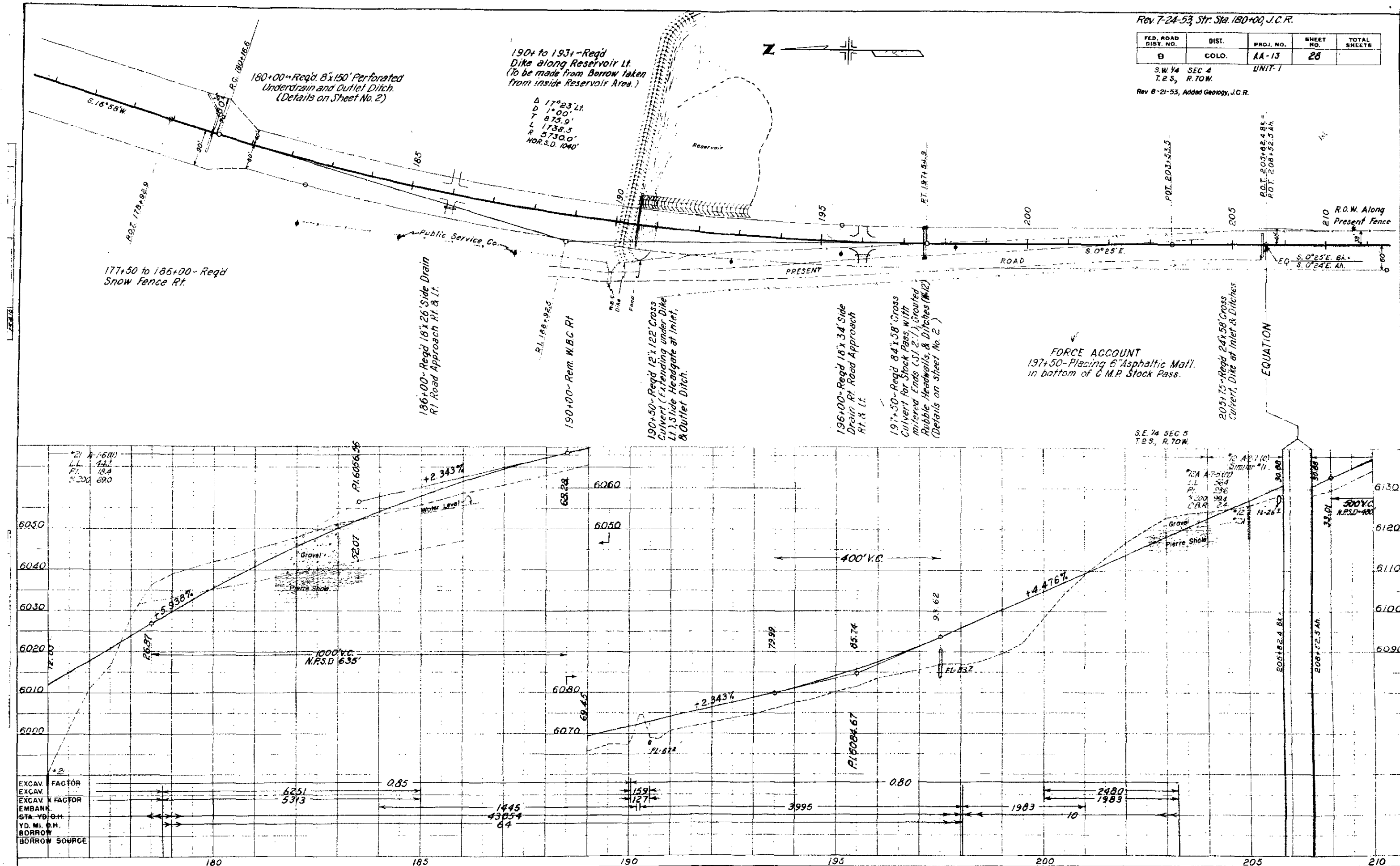
UNIT-1
Rev. 8-21-53, Added Geology, J.C.R.



FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	AA-13	28	

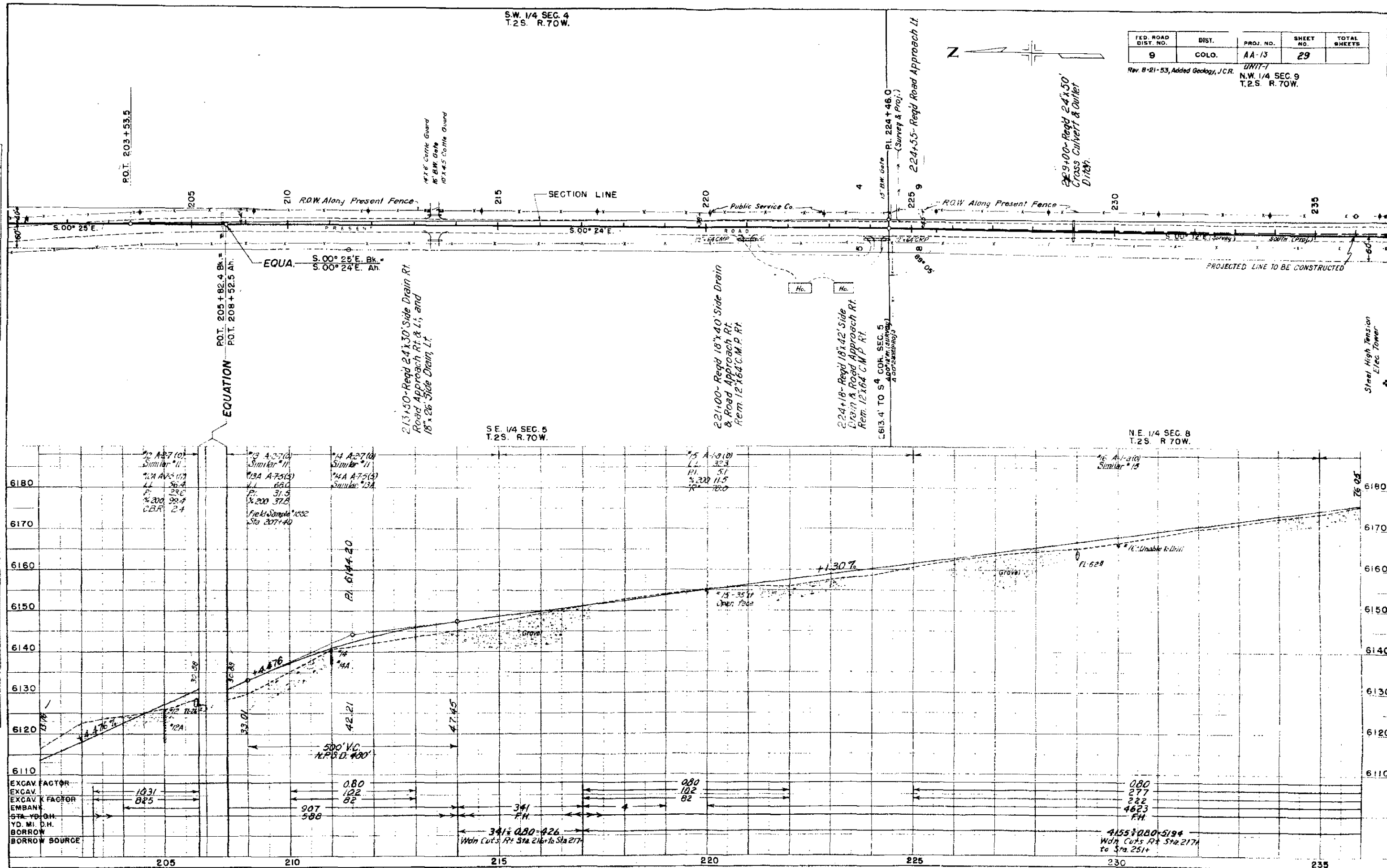
S.W. 1/4 SEC. 4
T. 2 S., R. 70 W.

Rev 8-21-53, Added Geology, J.C.R.



Rev. 8-21-53, Added Geology. J.C.R.

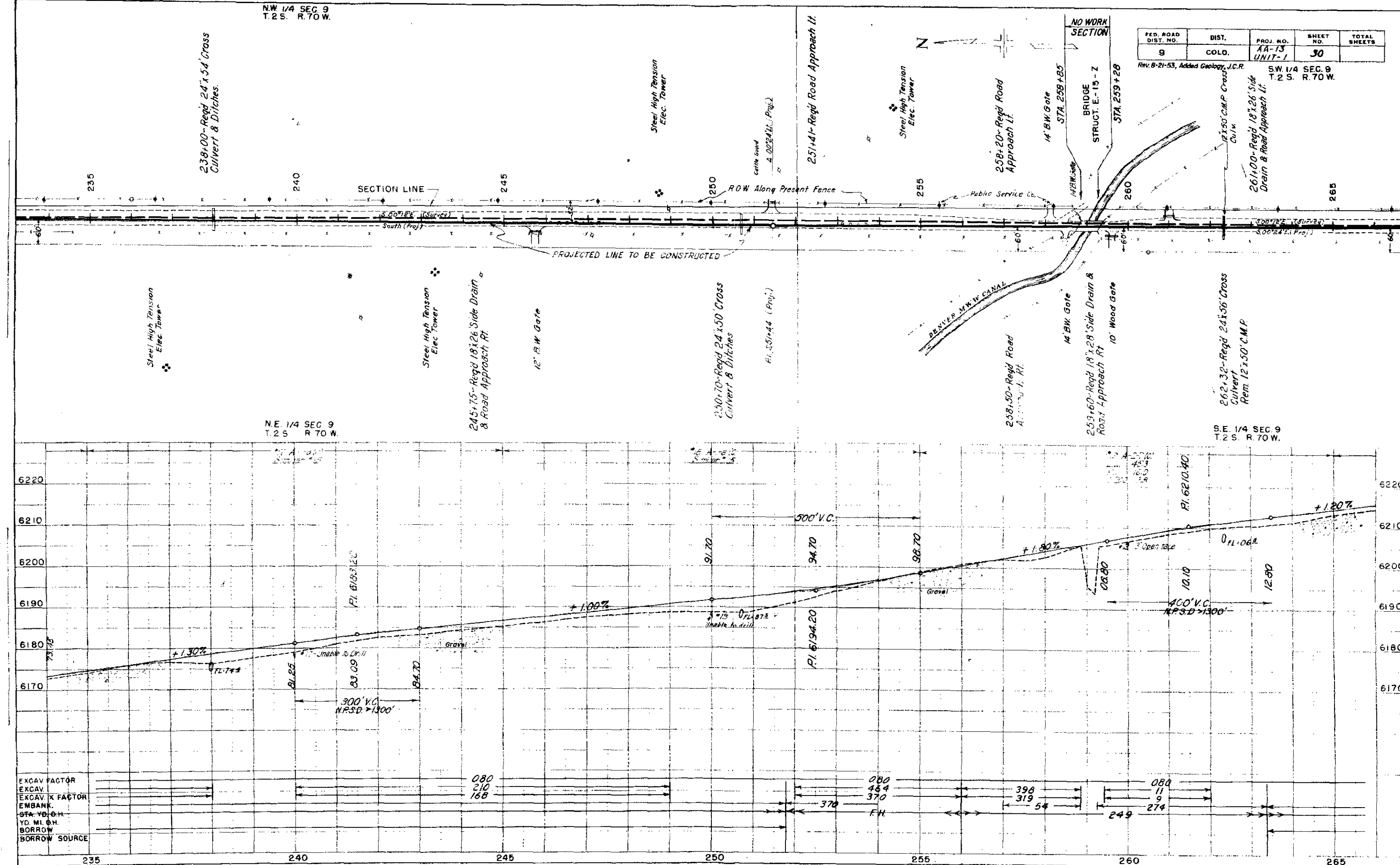
UNIT-7
N.W. 1/4 SEC. 9
T.2S. R.70W.



238+00~Reqd 24'x54' Cross
Culvert & Ditches.

Rev. 8-21-53. Added Geology. J.C.R.

S.W. 1/4 SEC. 9
T.2 S. R.70 W.



Rev. 8-21-53, Added Geology, J.C.R. UNIT 1 & 2

N. W. 1/4 SEC. 16
T. 2 S. R. 70 W.

