

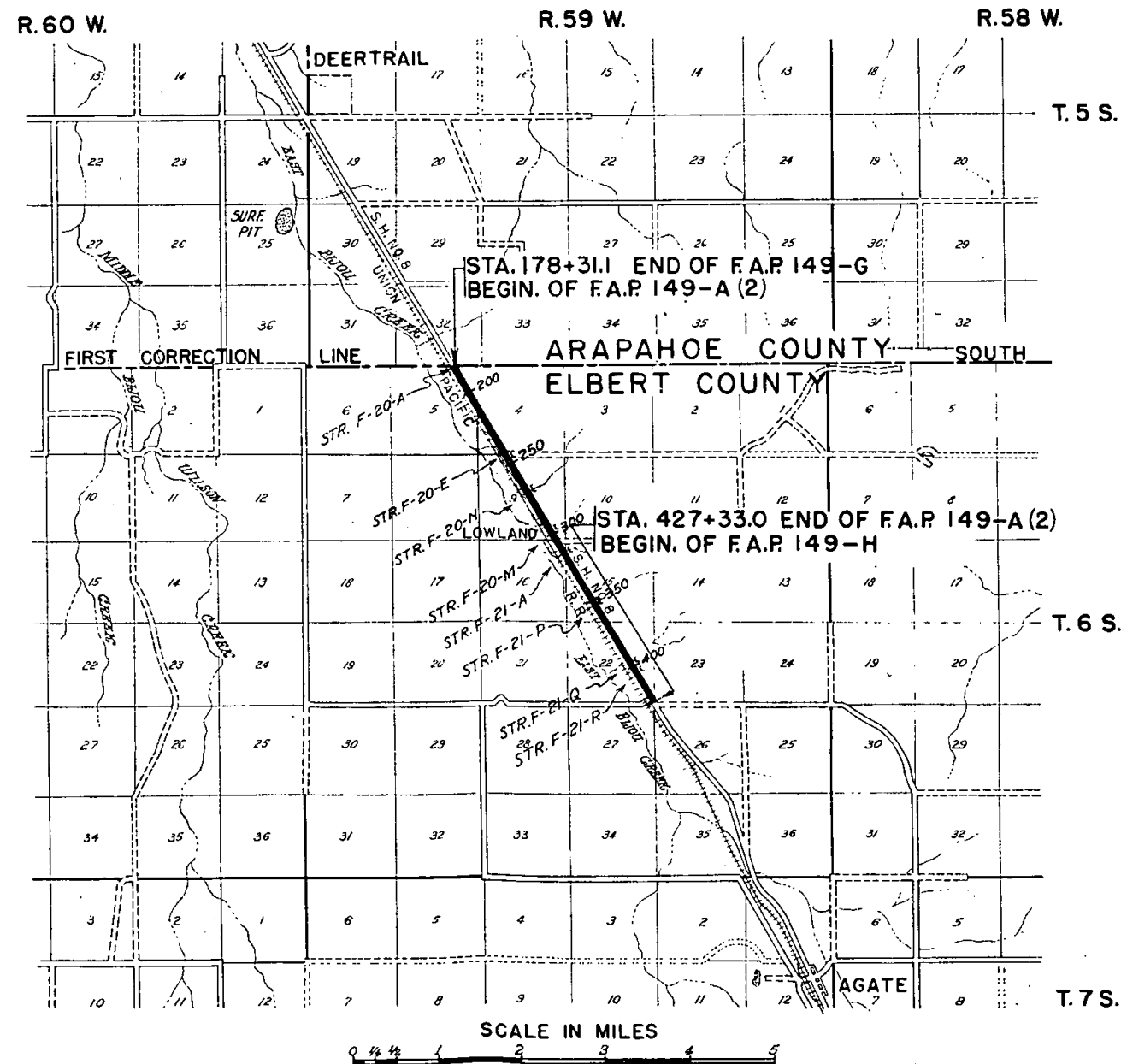
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3-4	LIST OF STRUCTURES AND R.O.W. MARKERS	
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SEE PAPER FILE
FOR UPRR EASEMENT
DOCUMENTS (1989).

COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. 149-A(2) STATE HIGHWAY NO. 8 ELBERT COUNTY

SCALES ON 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 } 24,901.9 FT. = 4.716 MI.
NET LENGTH OF PROJECT }



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	1	

REV 11-8-59 - FENCE STANDARD M-24-GX TO M-24-G

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY	---
RIGHT OF WAY LINES	---
COUNTY LINES	---
SECTION LINES	---
ONE QUARTER SECTION LINES	---
BARBED WIRE FENCE	---
PICKET SNOW FENCE	---
COMBINATION WIRE FENCE	---
TELEPHONE LINES	---
RAILROAD TRACKS (CENTER LINE)	---

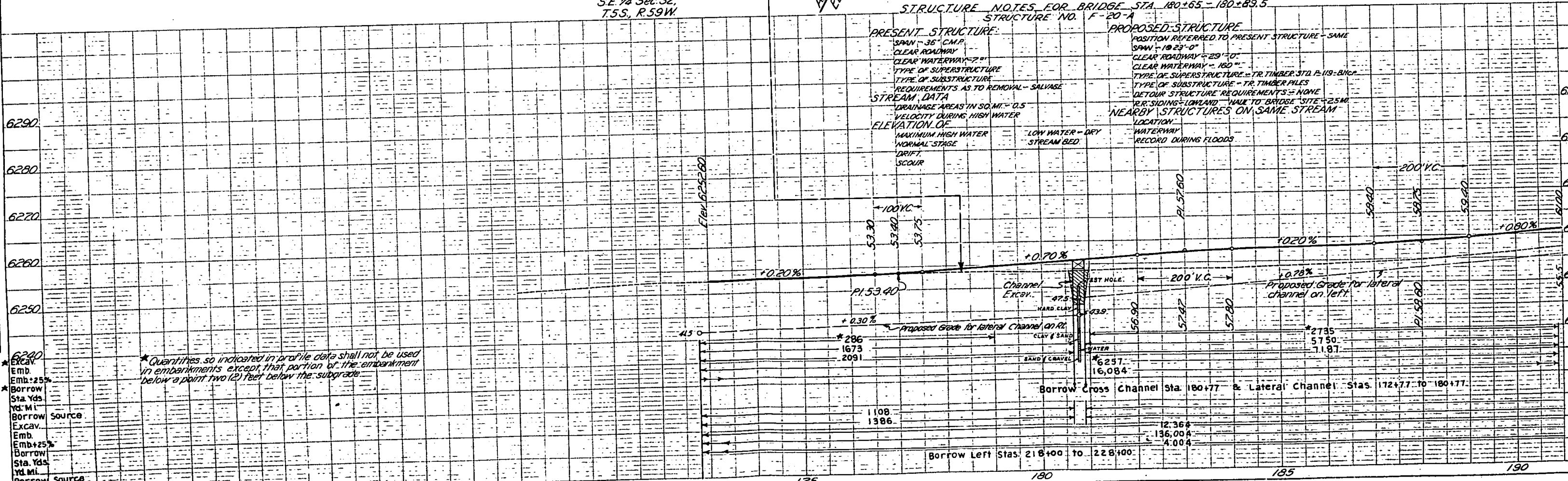
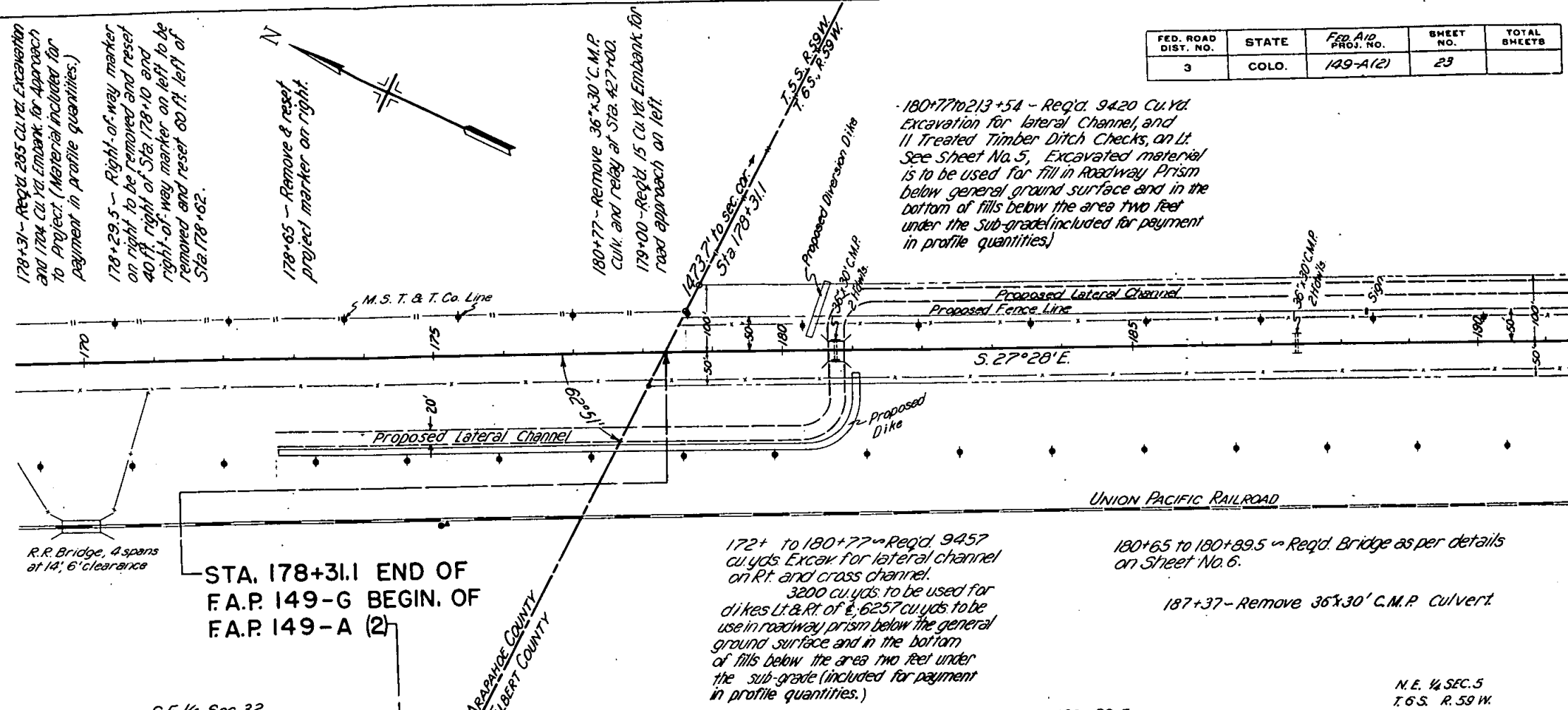
NOTE

It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this department:
Ernest Montgomery, Division Engineer, Colorado Springs.
Glen McElDowney, Resident Engineer, Deertrail, Colo.

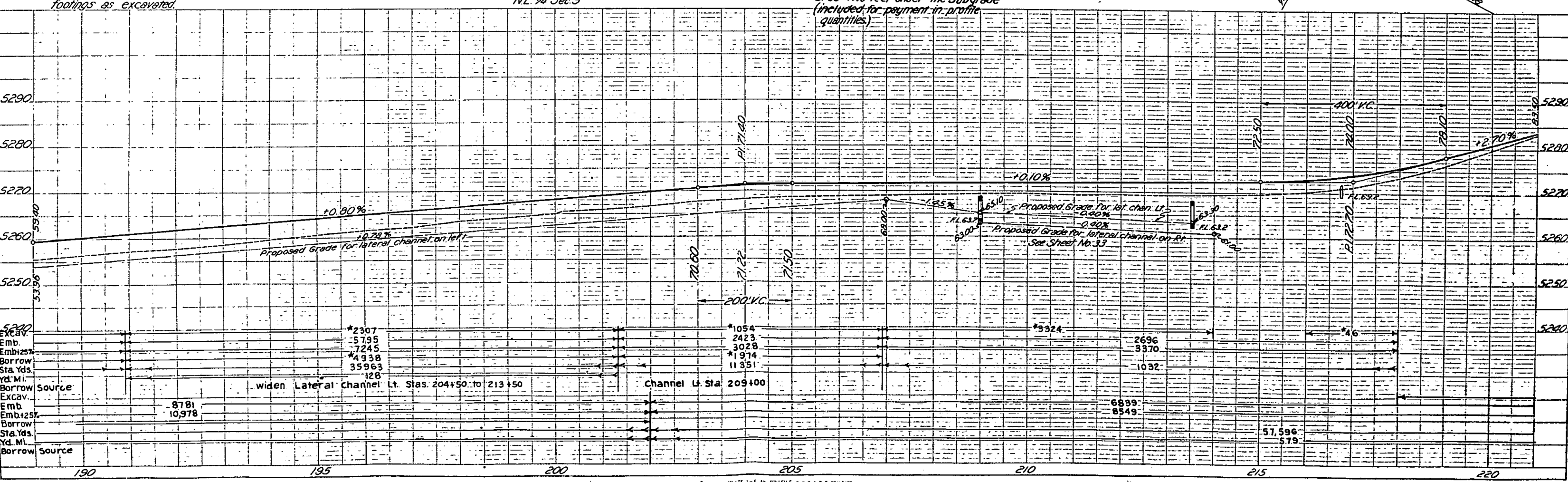
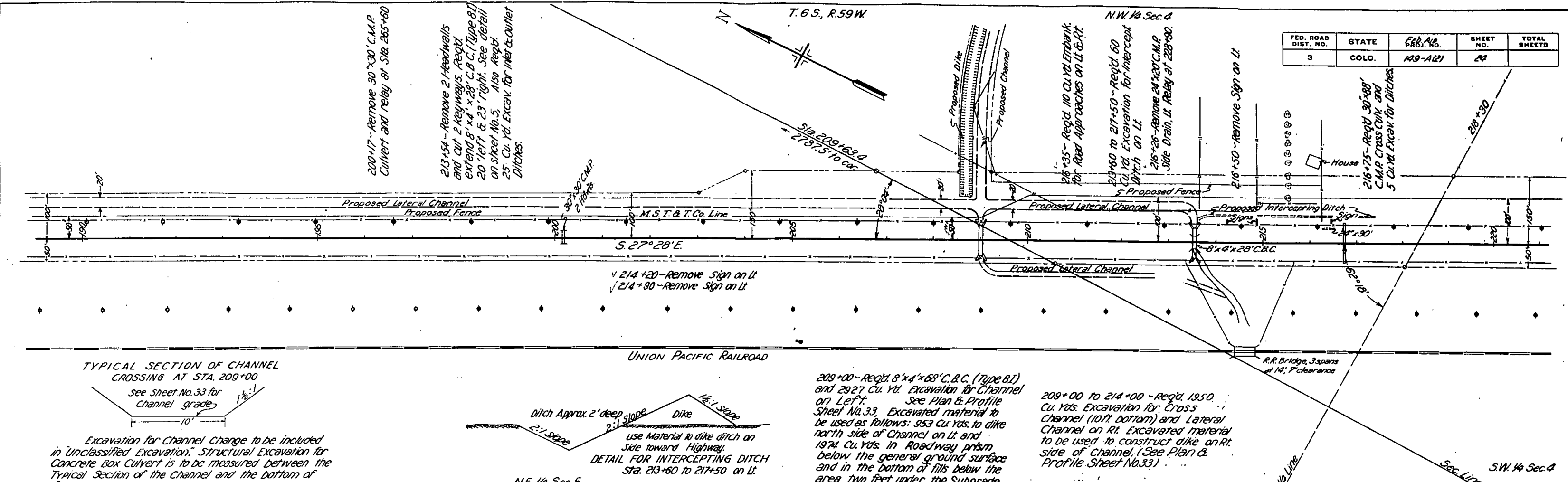
RECOMMENDED FOR APPROVAL	<i>[Signature]</i> 8/15/39 DATE
APPROVED	<i>[Signature]</i> STATE HIGHWAY ENGINEER AUG. 16, 1939
RECOMMENDED FOR APPROVAL	
RECOMMENDED FOR APPROVAL	
RECOMMENDED FOR APPROVAL	
APPROVED	

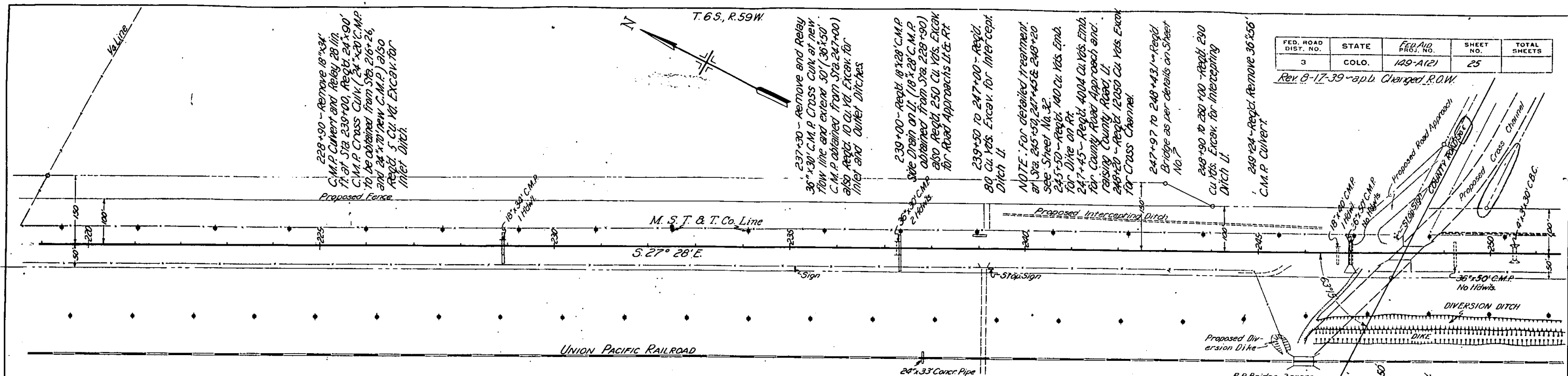
NOTE: The Alignment and Grades as shown are subject to modification during construction after approval by the Denver Office.
All poles encroaching on construction are to be moved by the owners.
Ditch checks, fencing and timber guard posts required are tabulated on Sheet No.5.
Right of way markers required are tabulated on Sheet No.3.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	23	



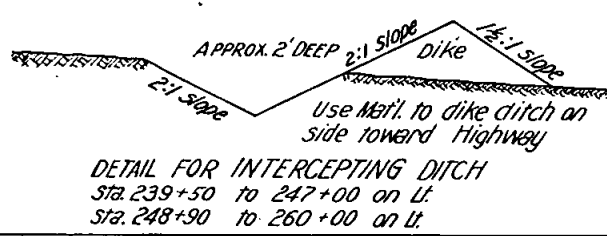
FED. ROAD DIST. NO.	STATE	FED. AID NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	24	





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	25	

Rev. 8-17-39-apb. Changed R.O.W.



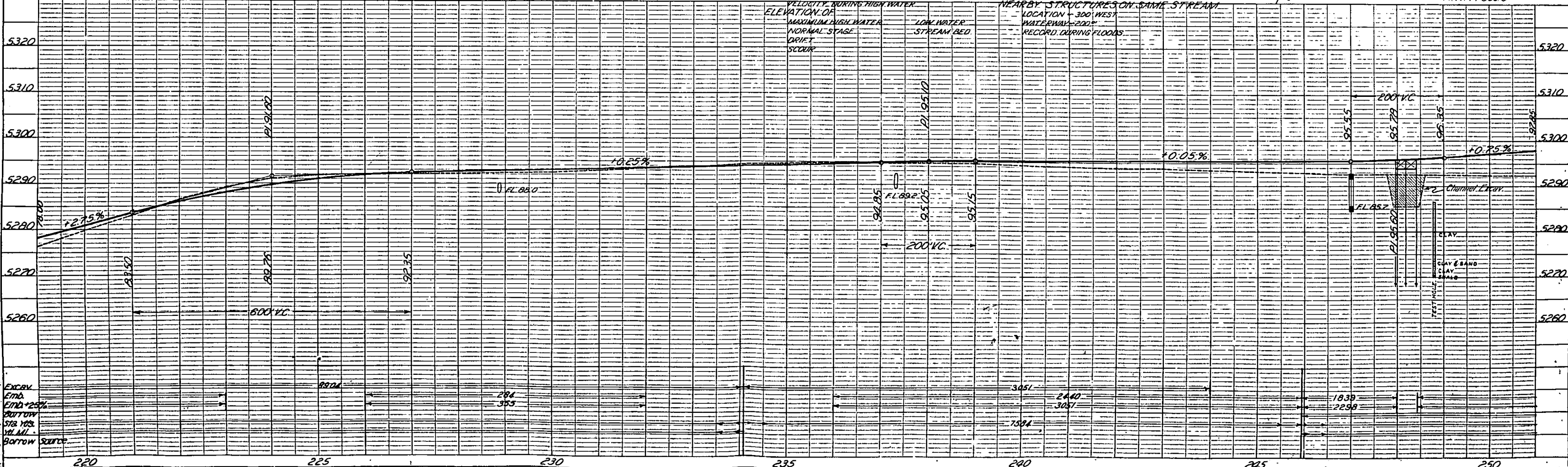
STRUCTURE NOTES FOR BRIDGE STA. 247+97 - 248+43.12
STRUCTURE F-20-E

PRESENT STRUCTURE
SPAN - 36' C.M.P.
CLEAR ROADWAY - 71'
CLEAR WATERWAY - 71'
TYPE OF SUPERSTRUCTURE - TR. TIMBER STD. P-119-BH45
TYPE OF SUBSTRUCTURE - TR. TIMBER PILES
REQUIREMENTS AS TO REMOVAL - SALVAGE

PROPOSED STRUCTURE
POSITION REFERRED TO PRESENT STRUCTURE
SPAN - 28' 22'-0"
CLEAR ROADWAY - 29'-0"
CLEAR WATERWAY - 390"
TYPE OF SUPERSTRUCTURE - TR. TIMBER STD. P-119-BH45
TYPE OF SUBSTRUCTURE - TR. TIMBER PILES
REQUIREMENTS AS TO REMOVAL - SALVAGE

STREAM DATA
DRAINAGE AREA IN SQ. MI. - 1.2
VELOCITY DURING HIGH WATER
ELEVATION OF
MAXIMUM HIGH WATER
NORMAL STAGE
DRIFT
SCOUR

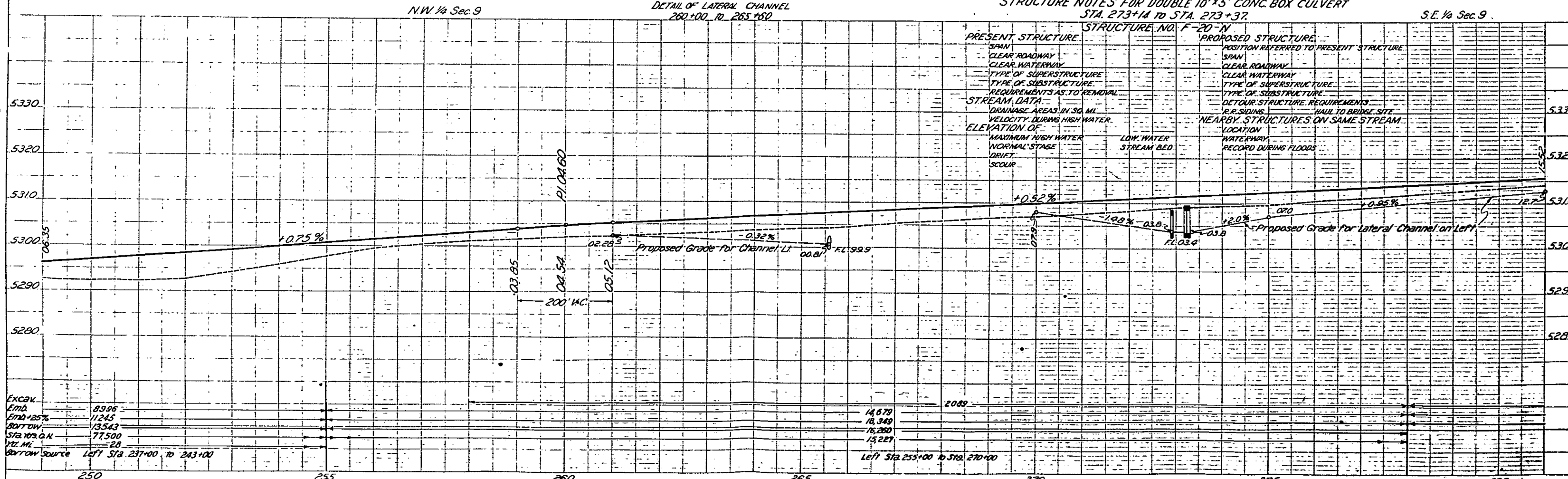
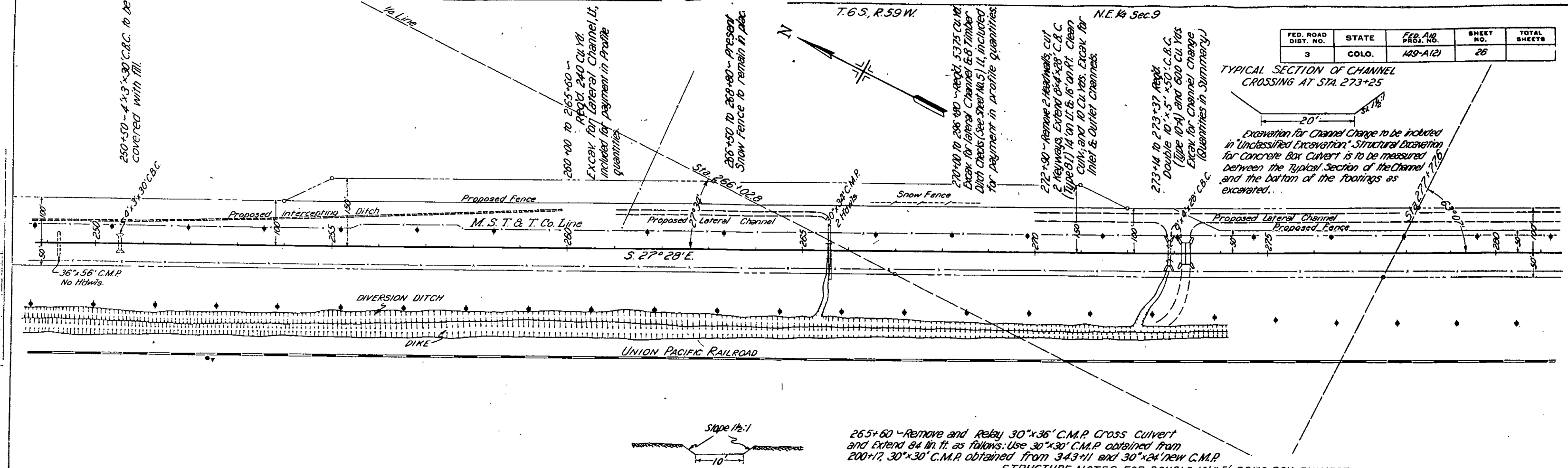
NEARBY STRUCTURES ON SAME STREAM
LOCATION - 300' WEST
WATERWAY - 200'
RECORD DURING FLOODS

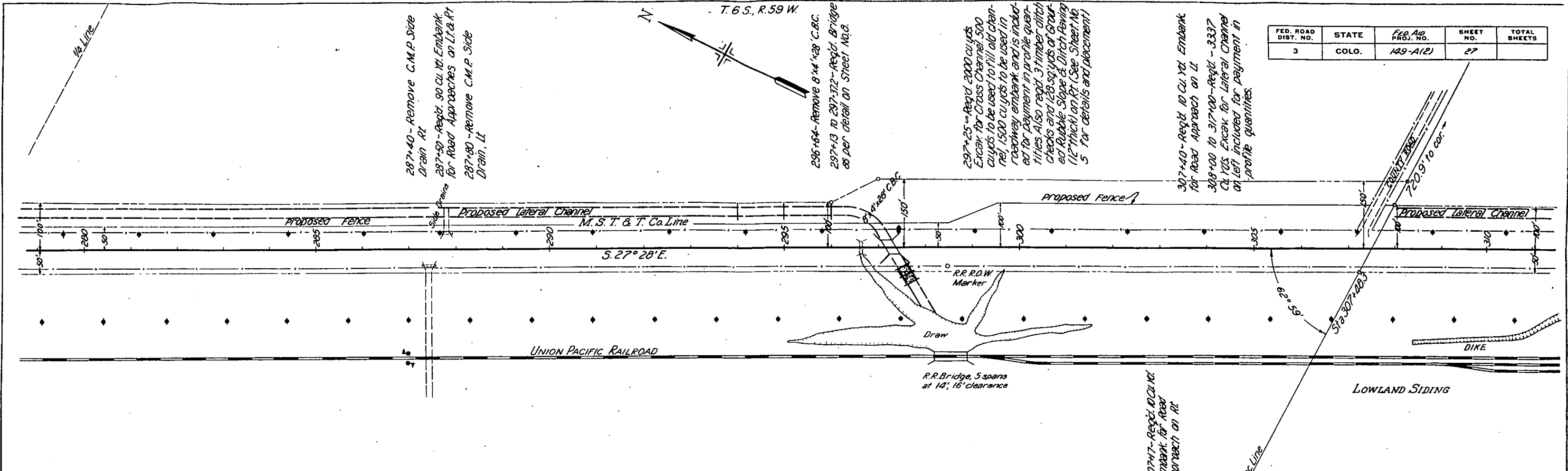


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	129-A(2)	26	

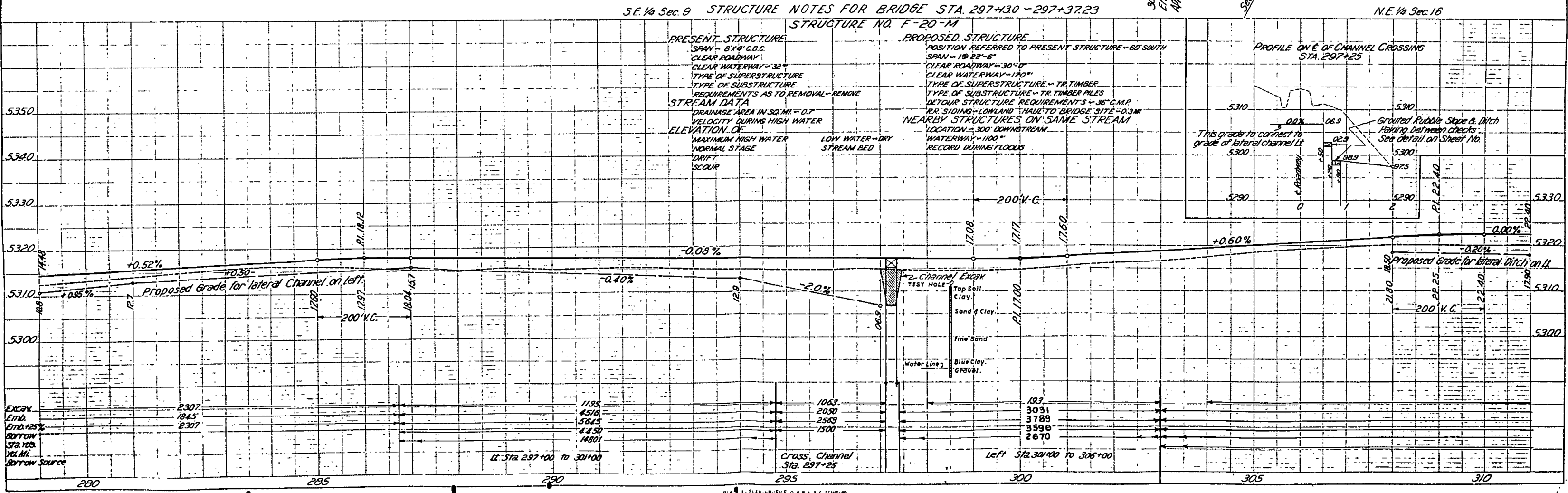
TYPICAL SECTION OF CHANNEL CROSSING AT STA. 273+25

Excavation for Channel Change to be included in "Unclassified Excavation." Structural Excavation for Concrete Box Culvert is to be measured between the Typical Section of the Channel and the bottom of the footings as excavated.



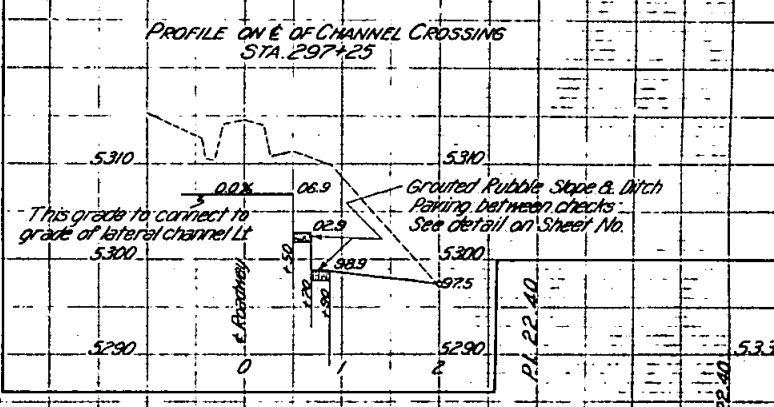


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	27	

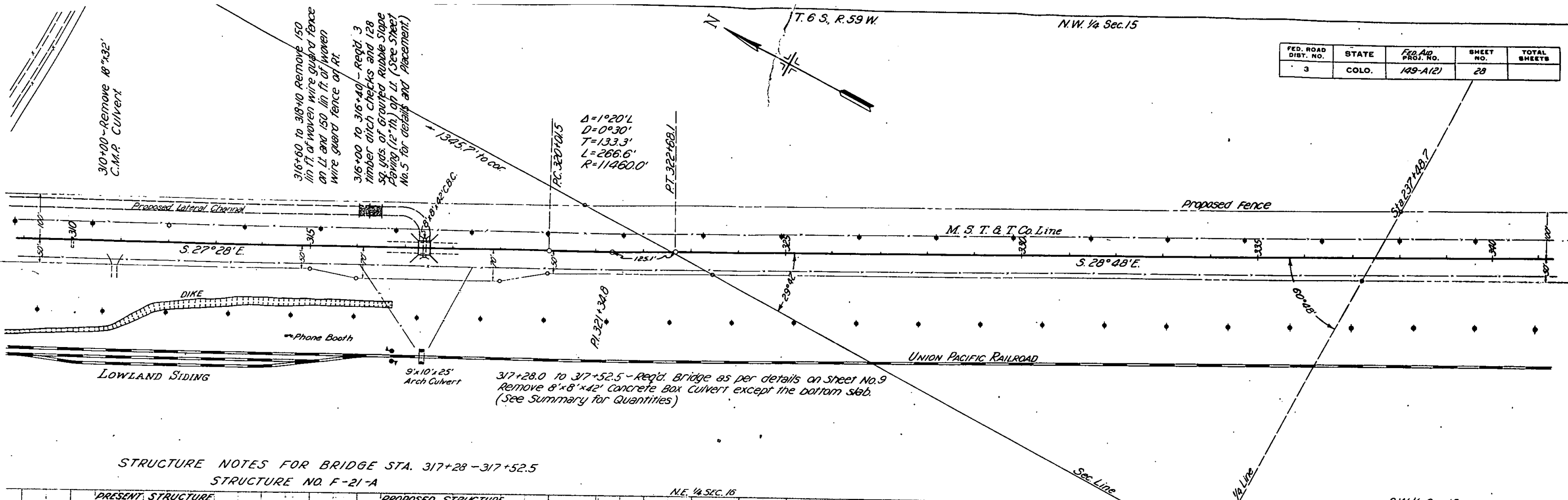


STRUCTURE NOTES FOR BRIDGE STA. 297+30 - 297+37.23

PRESENT STRUCTURE	PROPOSED STRUCTURE
SPAN - 8' x 4' C.B.C.	POSITION REFERRED TO PRESENT STRUCTURE - 80' SOUTH
CLEAR ROADWAY - 32'	SPAN - 10' x 22' - 6"
CLEAR WATERWAY - 170'	CLEAR ROADWAY - 30' - 0"
TYPE OF SUPERSTRUCTURE - TR. TIMBER	CLEAR WATERWAY - 170'
TYPE OF SUBSTRUCTURE - TR. TIMBER PILES	TYPE OF SUPERSTRUCTURE - TR. TIMBER
REQUIREMENTS AS TO REMOVAL - REMOVE	TYPE OF SUBSTRUCTURE - TR. TIMBER PILES
STREAM DATA	DETOUR STRUCTURE REQUIREMENTS - 35' C.M.P.
DRAINAGE AREA IN SQ. MI. - 0.7	RR SIDING - LOWLAND - HAUL TO BRIDGE SITE - 0.3 MI
VELOCITY DURING HIGH WATER	NEARBY STRUCTURES ON SAME STREAM
ELEVATION OF	LOCATION - 300' DOWNSTREAM
MAXIMUM HIGH WATER	WATERWAY - 1100'
NORMAL STAGE	RECORD DURING FLOODS
DRIFT	
SCOUR	
LOW WATER - DRY	
STREAM BED	

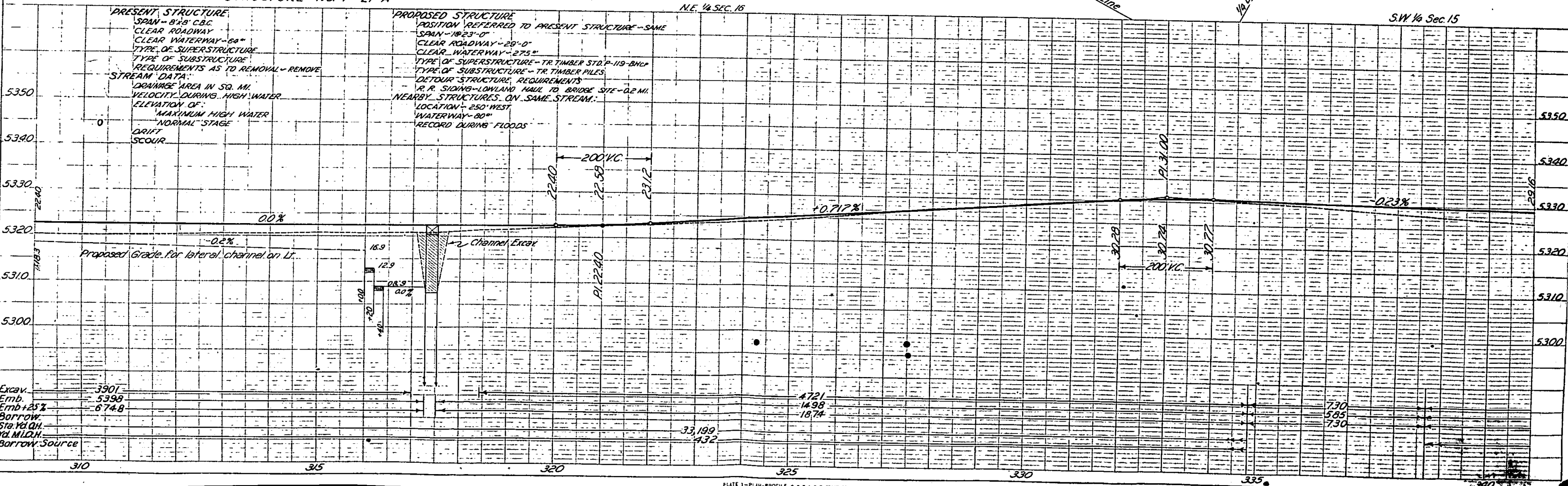


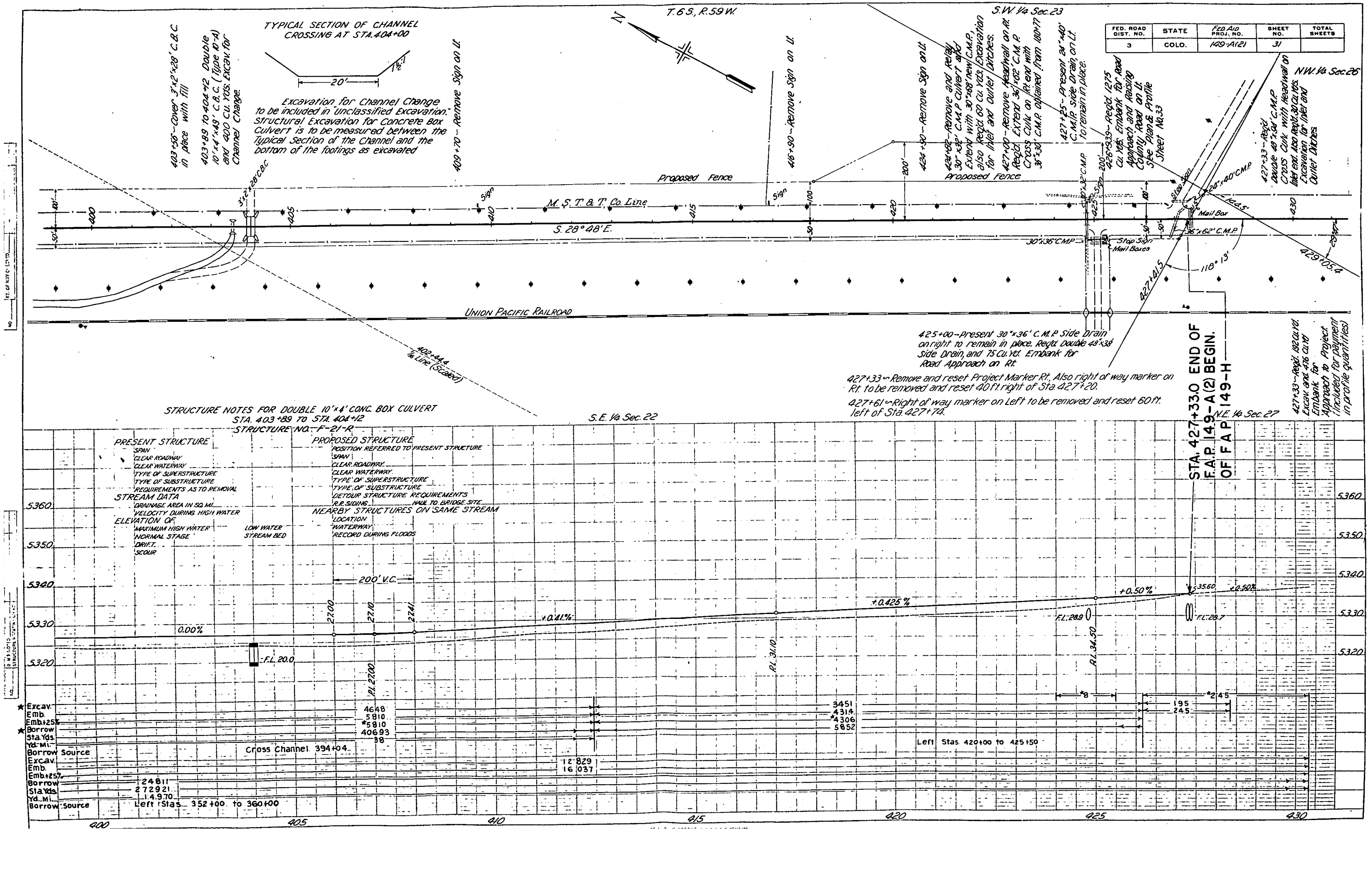
Excav.	Emd.	Borrow	Sta. 100	Yel. Mt.	Borrow Source
2307	1845	2307			
1185	4510	5845	4450	14801	
1063	2030	2503	1500		
193	3031	3789	3598	2670	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	28	

STRUCTURE NOTES FOR BRIDGE STA. 317+28 - 317+52.5
 STRUCTURE NO. F-21-A





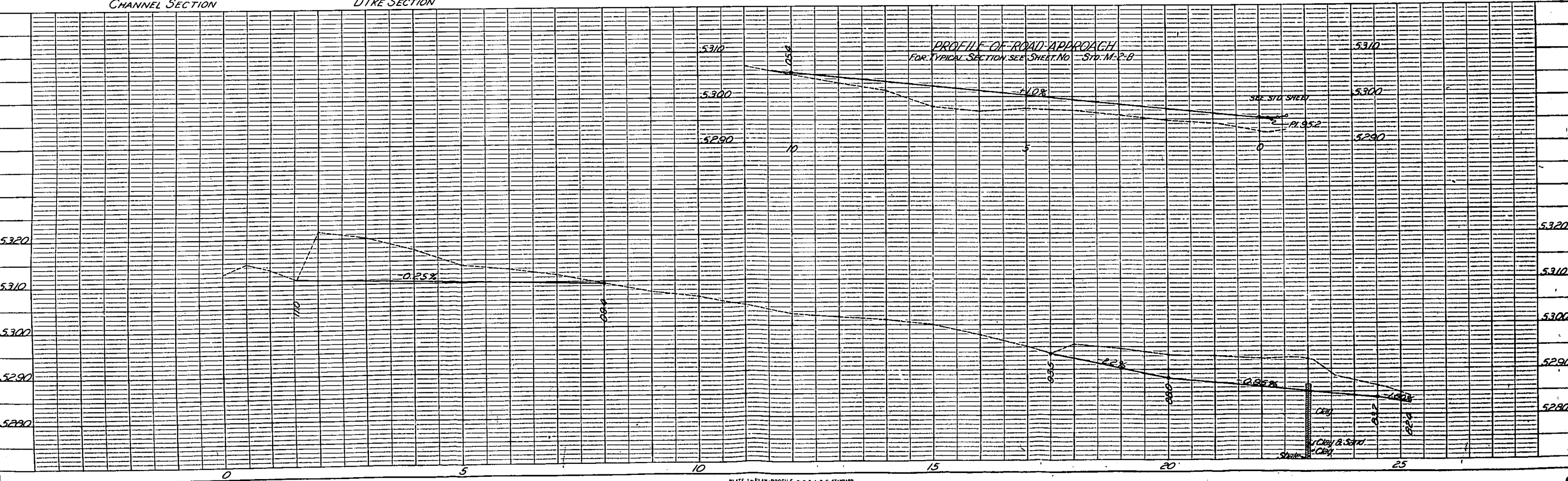
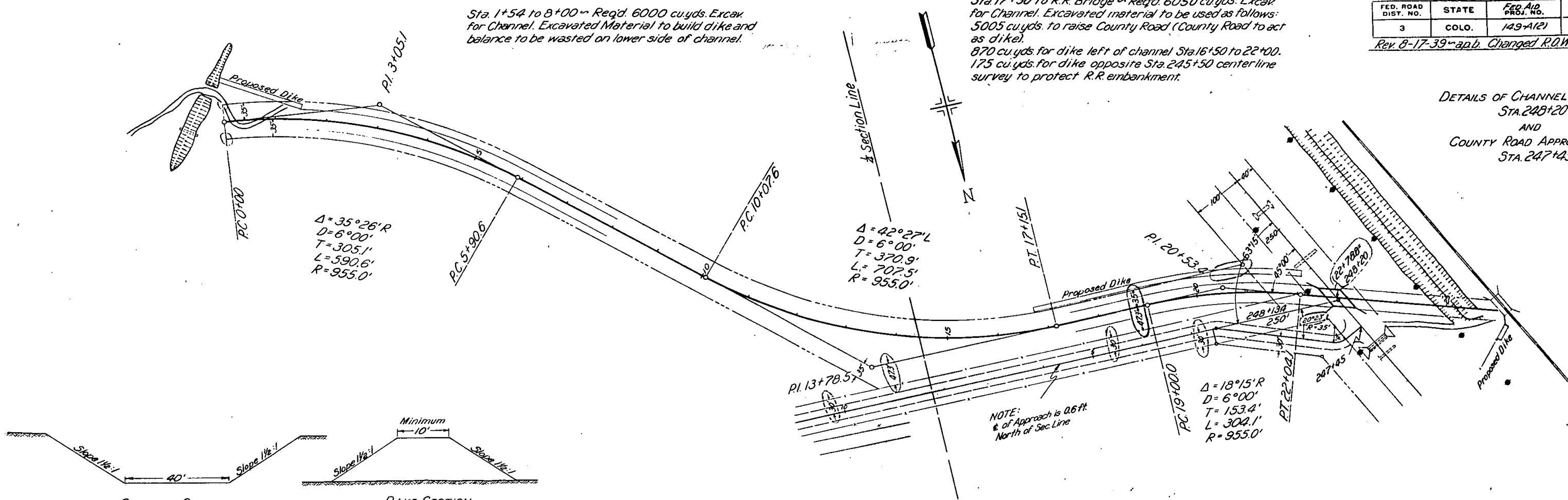
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	149-A(2)	32	

Rev. 8-17-39 app. Changed R.O.W.

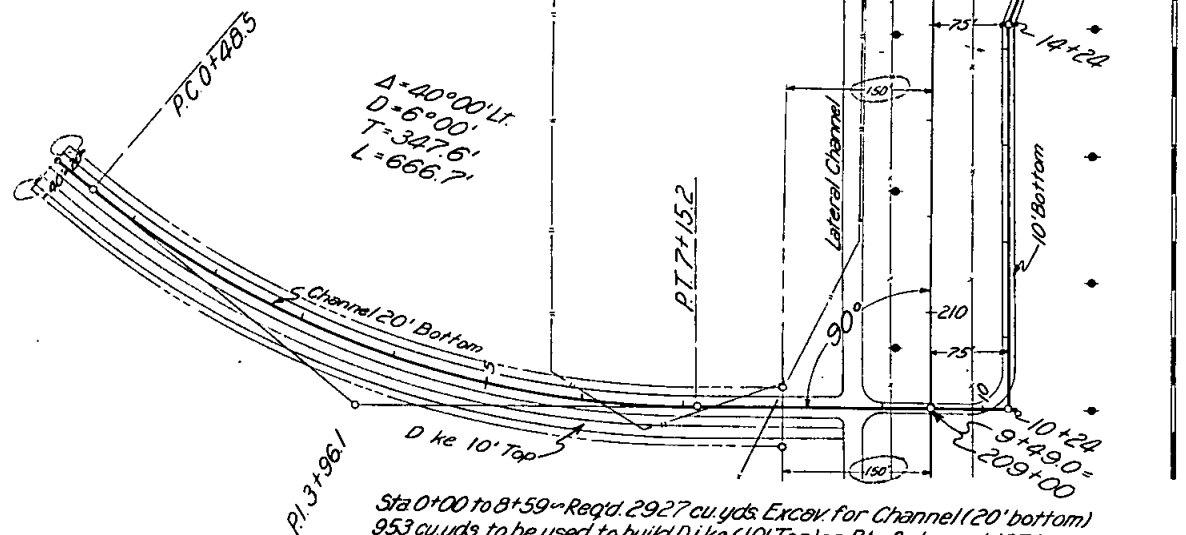
DETAILS OF CHANNEL
STA. 248+20
AND
COUNTY ROAD APPROACH
STA. 247+45

Sta. 1+54 to 8+00 ~ Req'd. 6000 cu.yds. Excav. for Channel. Excavated Material to build dike and balance to be wasted on lower side of channel.

Sta. 17+50 to R.R. Bridge ~ Req'd. 6050 cu.yds. Excav. for Channel. Excavated material to be used as follows:
5005 cu.yds. to raise County Road (County Road to act as dike).
870 cu.yds. for dike left of channel Sta. 16+50 to 22+00.
175 cu.yds. for dike opposite Sta. 245+50 centerline survey to protect R.R. embankment.

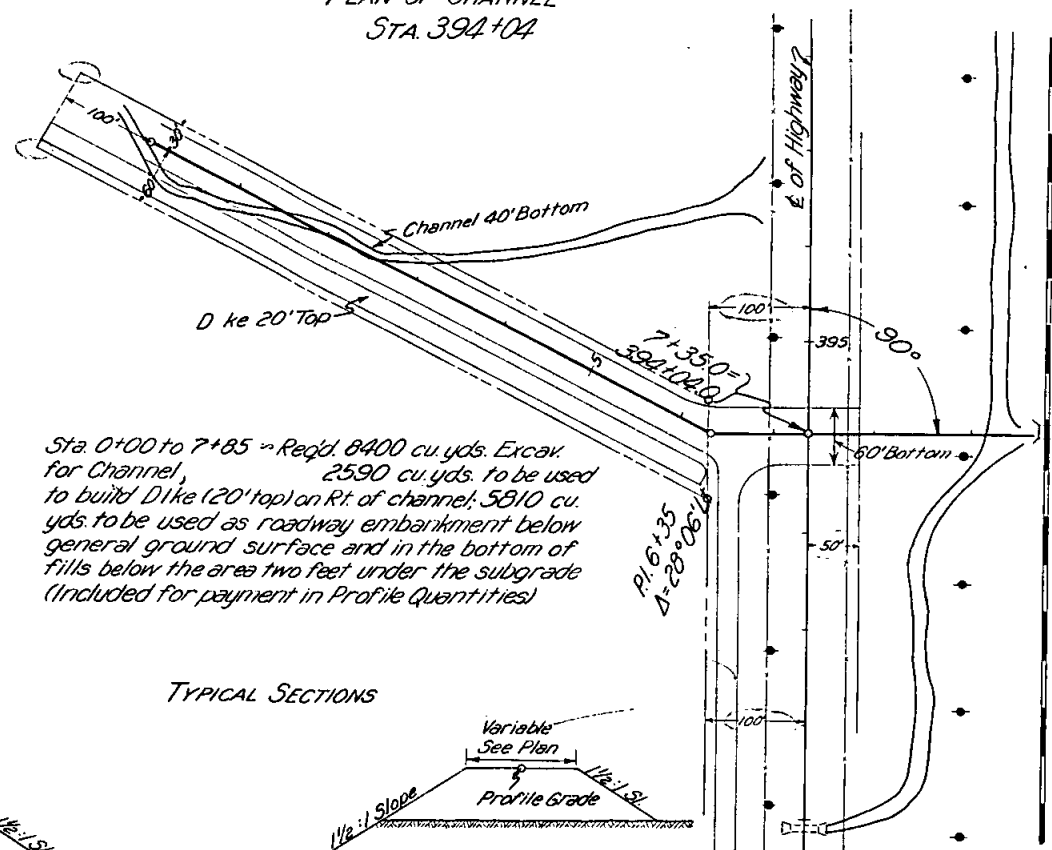


PLAN OF CHANNEL STA 209+00



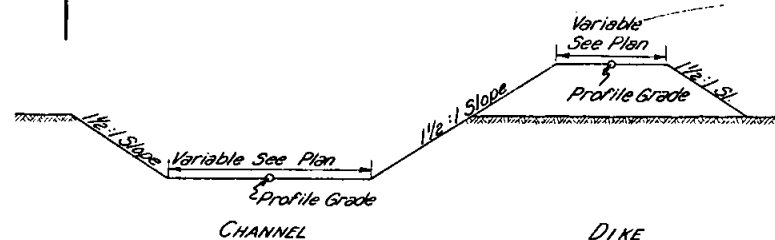
Sta 0+00 to 8+59 ~ Req'd. 2927 cu. yds. Excav. for Channel (20' bottom) 953 cu. yds. to be used to build Dike (10' Top) on Rt. of channel; 1974 cu. yds. to be used for fill in roadway prism below general ground surface and in the bottom of fills below the area 2 ft under the subgrade & Incl. for Pay. in Profile Quantities.
Sta 8+79 to 15+30 ~ Req'd. 1950 cu. yds. Excav. for Channel (10' bottom) excavated material to be used to construct Dike on Rt. side of Channel.

PLAN OF CHANNEL STA 394+04



Sta 0+00 to 7+85 ~ Req'd. 8400 cu. yds. Excav. for Channel, 2590 cu. yds. to be used to build Dike (20' top) on Rt. of channel; 5810 cu. yds. to be used as roadway embankment below general ground surface and in the bottom of fills below the area two feet under the subgrade (Included for payment in Profile Quantities)

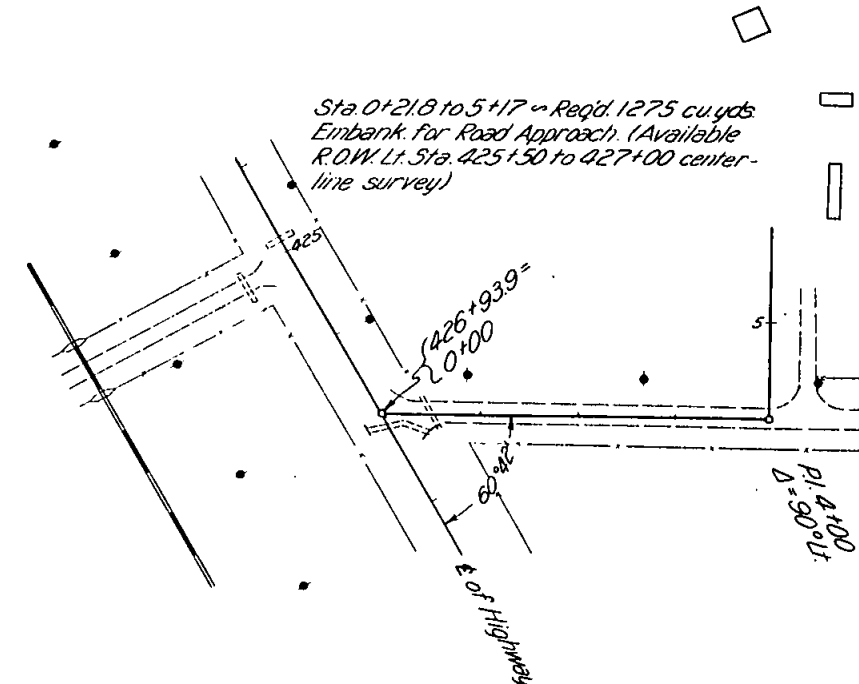
TYPICAL SECTIONS



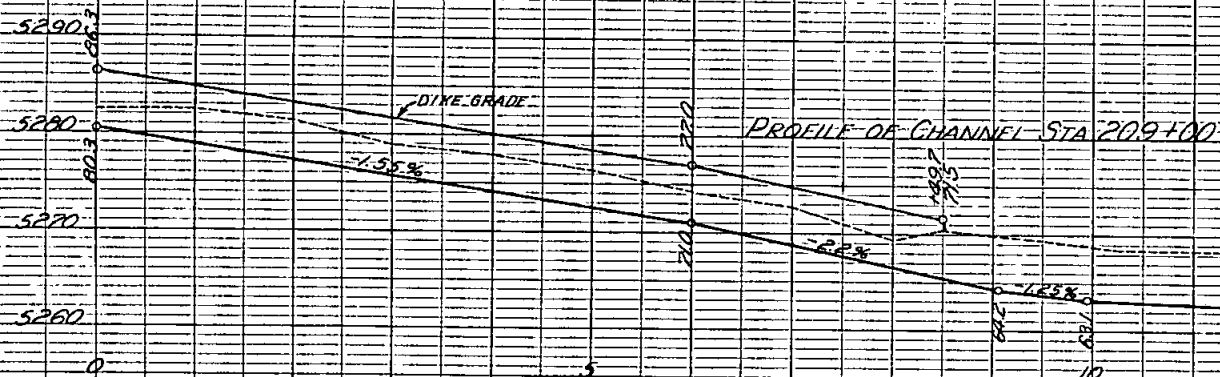
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	129-A(2)	33	

Rev. 8-17-39 ~ ap.b. Added R.O.W. Widths & Rem. R.O.W. Mats.

PLAN FOR ROAD APPROACH STA 426+93.9

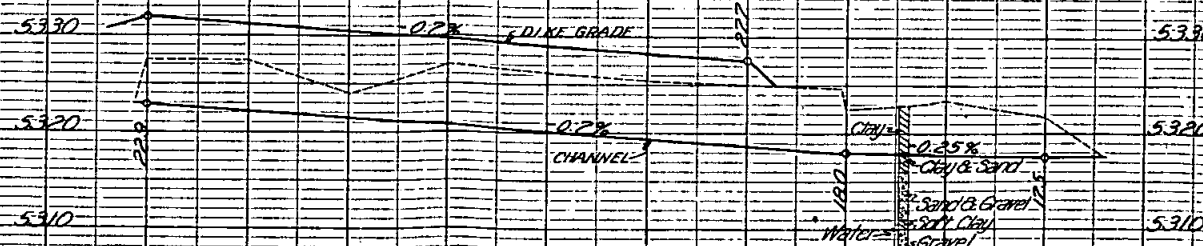


Sta 0+21.8 to 5+17 ~ Req'd. 1275 cu. yds. Embank. for Road Approach. (Available R.O.W. Lt. Sta. 425+50 to 427+00 center-line survey)



PROFILE OF CHANNEL STA 209+00

PROFILE OF CHANNEL AND DIKE STA 394+04



PROFILE OF ROAD APPROACH STA 426+93.9 FOR TYPICAL SECTION SEE SHEET NO. 33

