

FED. ROAD DIST. NO.	STATE	F.A.P. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	181-E & 181-AR	1	1

Rev. for Const. Div. No. 2-6-26-36-L.A.F.

COLORADO

STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED

COMBINED FEDERAL AID PROJECTS NO. 181-E & 181-AR

STATE HIGHWAY NO. 2

CLEAR CREEK COUNTY

INDEX OF SHEETS

F.A.P. 181-AR

1. SKETCH MAP AND TITLE
2. TYPICAL SECTIONS AND SUMMARY OF APPROXIMATE QUANTITIES
3. TABULATION OF STRUCTURES
24. STANDARD METHODS FOR SUPERELEVATION AND WIDENING OF CURVES M-1-A
26. TYPICAL SIDE APPROACH ROADS, AND ROADWAY CONSTRUCTION TRAFFIC SIGNS M-2-B
27. PLAN AND PROFILE
- 43-44. CROSS SECTIONS

F.A.P. 181-E

CONSTRUCTION DIVISION NO. 1

1. SKETCH MAP AND TITLE
2. TYPICAL SECTIONS AND SUMMARY OF APPROXIMATE QUANTITIES
3. TABULATION OF STRUCTURES
- 4-18. (Reserved for bridges and approaches (Const. Div. #2))
19. STANDARD CONCRETE BOX CULVERTS (4'x4') (6'x4') M-103-D
20. " (8'x8') M-104-D
21. HEADWALLS FOR C.M.P. CULVERTS M-102-E
22. WIRE CABLE GUARD FENCE M-20-A
23. WIRE FENCE WITH STEEL POSTS AND MARKER POSTS M-27-A
24. METHODS FOR SUPERELEVATION AND WIDENING OF CURVES M-1-A
25. (Res. for Const. Div. #2)
26. TYPICAL SIDE APPROACH ROADS, AND ROADWAY CONSTRUCTION TRAFFIC SIGNS M-2-B
- 27-34. PLAN AND PROFILE
- 35-37. PLAN AND PROFILE (RAILROAD WORK)
- 38-42. CROSS SECTIONS
- 43-44. CROSS SECTIONS

F.A.P. 181-E

CONSTRUCTION DIVISION NO. 2

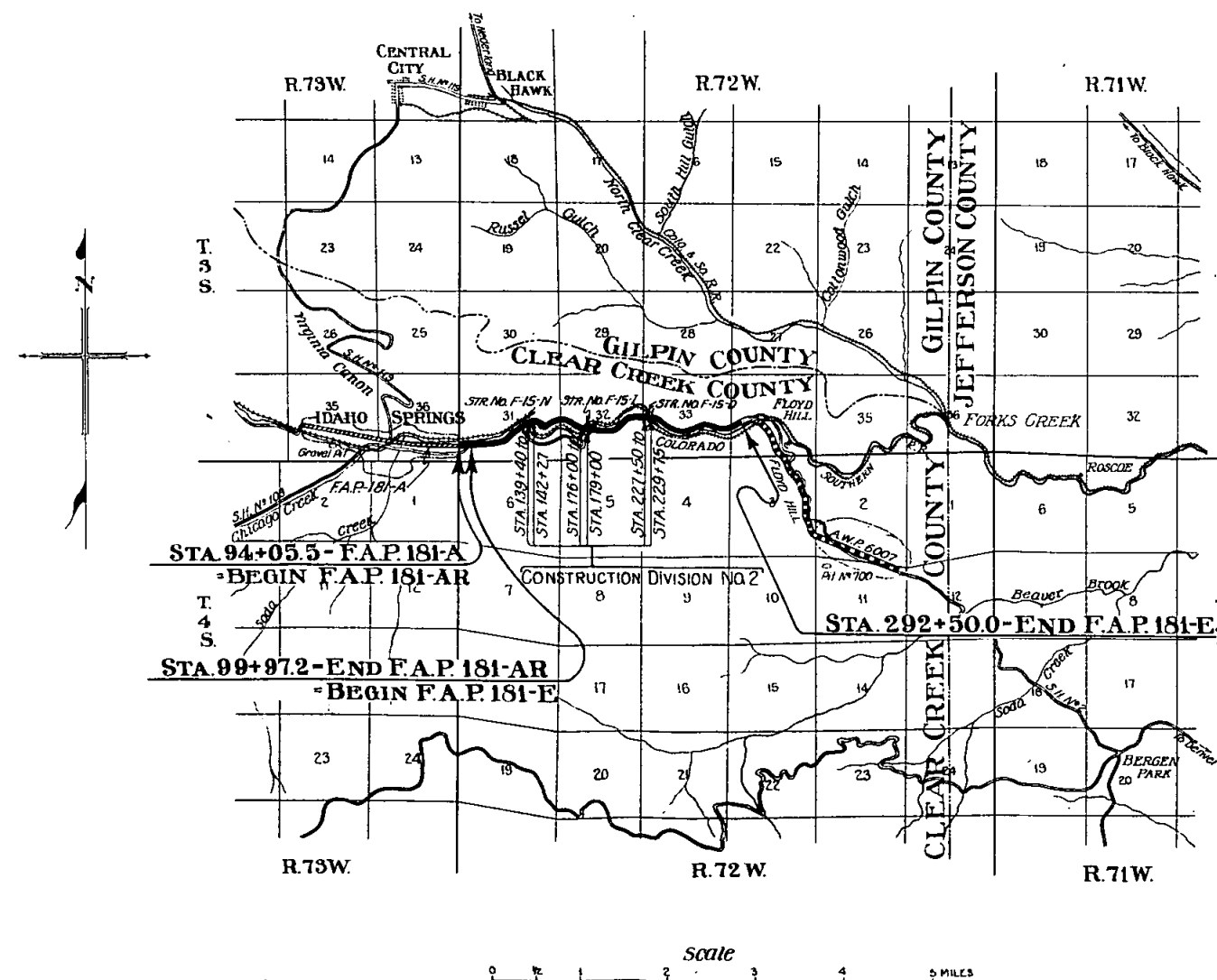
1. SKETCH MAP AND TITLE
2. TYPICAL SECTION AND SUMMARY OF APPROXIMATE QUANTITIES
3. TABULATION OF STRUCTURES
- 4-8. DETAILS OF BRIDGE STA. 140+
- 9-13. " " STA. 176+
- 14-18. " " STA. 228+
22. STANDARD WIRE CABLE GUARD FENCE M-20-A
24. METHODS FOR SUPERELEVATION AND WIDENING OF CURVES M-1-A
25. " STRUCTURE NUMBER LETTERING M-10-A
26. TYPICAL SIDE APPROACH ROADS AND ROADWAY CONSTRUCTION TRAFFIC SIGNS M-2-B
- 29-32. PLAN AND PROFILE
- 59-61. CROSS SECTIONS
- 89-93. CROSS SECTIONS
- 123-125. CROSS SECTIONS

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

F.A.P. 181-E	GROSS LENGTH OF PROJECT	18,495.9 FT. = 3.503 MI.	CONST. DIV. NO. 1	18,495.9 FT. = 3.503 MI.	CONST. DIV. NO. 2	9035.0 FT. = 1.711 MI.
	NET LENGTH OF PROJECT	18,495.9 FT. = 3.503 MI.		17,683.9 FT. = 3.349 MI.		812.0 FT. = 0.154 MI.
F.A.P. 181-AR	GROSS LENGTH OF PROJECT	591.7 FT. = 0.112 MI.				
	NET LENGTH OF PROJECT					



CONVENTIONAL SIGNS

CENTER LINE OF SURVEY ———— 5 ————
RIGHT OF WAY LINES ————
SECTION LINES ————
ONE QUARTER SECTION LINES ————
BARBED WIRE FENCE ————
WIRE CABLE GUARD FENCE ————
TELEPHONE POLES ————
RAILROAD TRACKS ————
PRESENT ROAD ————

NOTE

It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this department.
D.W. ORMSBEE CONSTRUCTION ENGINEER, DENVER, COLO.
E.E. MONTGOMERY DIVISION " " DENVER, COLO.
C.G. SCHOECH RESIDENT " " IDAHO SPRINGS, COLO.

RECOMMENDED FOR APPROVAL 4/23/36

John C. ...
ASSISTANT ENGINEER

APPROVED *Chas. D. ...*
STATE HIGHWAY ENGINEER

RECOMMENDED FOR APPROVAL

DIST. ENG. BUREAU PUBLIC ROADS

RECOMMENDED FOR APPROVAL

CHIEF ENG. BUREAU PUBLIC ROADS

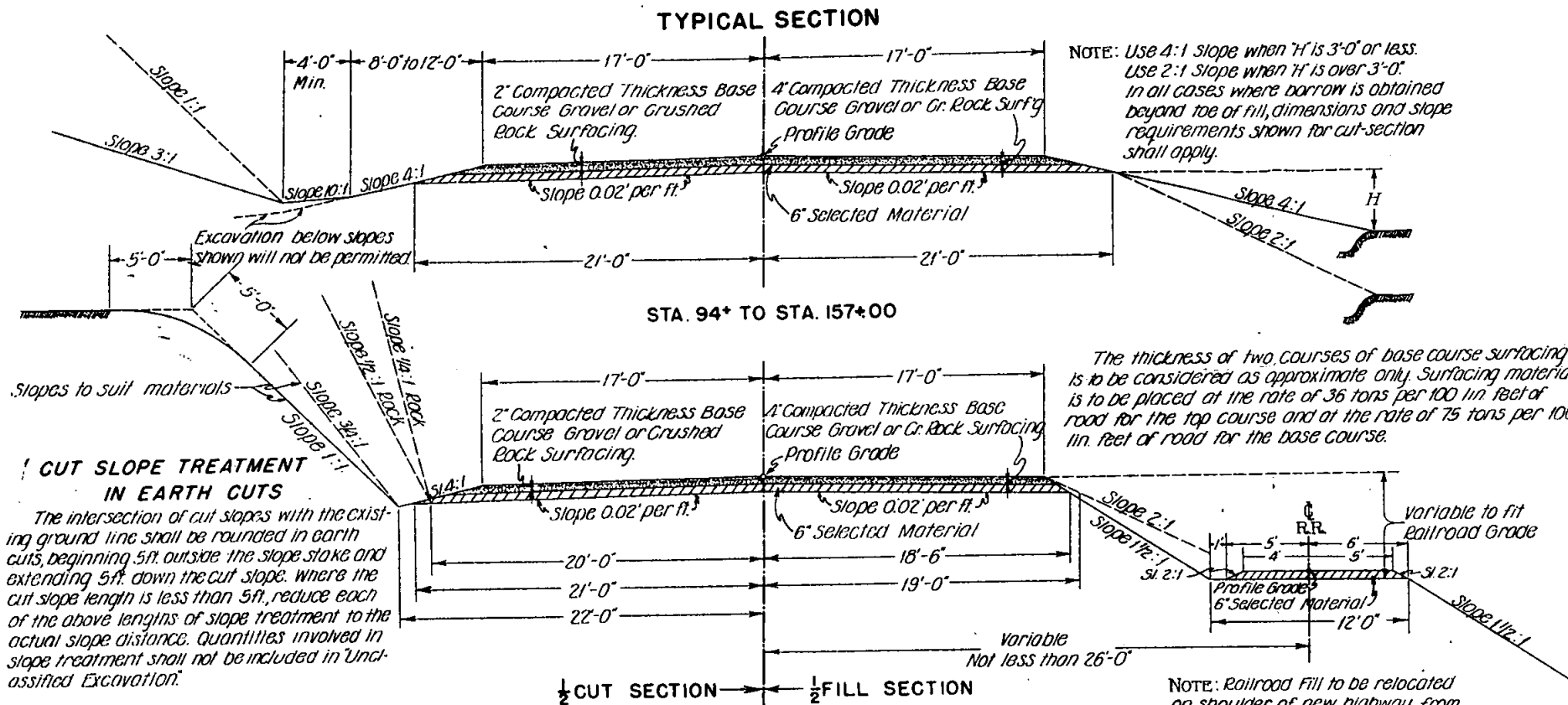
APPROVED

DIRECTOR BUREAU PUBLIC ROADS

FED. ROAD DIST. NO.	STATE	F.A.P. PROJ. NO.	SPRINT NO.
3	COLO.	181-E & 181-AR	2

Rev. 5/1/36-L.A.F.
Rev. for Const. Div. No. 2-6-26-36-L.A.F.

TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES



GENERAL NOTES

This Project is to be constructed in accordance with the Standard Specifications of the Colorado State Highway Department adopted August 1, 1935.

All quantities on preliminary plans are to be considered as approximate only.

All roadway excavation required to construct this project is to be obtained as indicated on the plans. Quantities involved beyond the limits of the ditch as shown on the Typical Section, either noted on the Profile as 'Borrow' or on the List of Structures as 'Embankment', are to be classified and paid for as 'Unclassified Excavation'. These quantities are to be staked as part of the original Excavation at locations indicated on the plans. Slope stakes beyond the limits of the Typical Section are subject to change by the Engineer to fit Embankment requirements actually encountered on construction.

All curves are to be super-elevated as provided for by the standard Super-elevation Sheet included with the plans.

All poles encroaching on construction are to be moved by owners.

The entire project is to be cleared for the full width of the Right-of-Way and the cost thereof included in the lump sum price for 'Clearing & Grubbing the Entire Project'.

Except as limited by the Special Provisions, power equipment may be used.

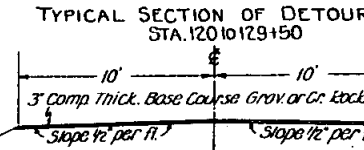
All corrugated metal pipe cross culverts are to be provided with one headwall on the inlet end, unless otherwise noted on the plans.

Between Sta. 94+ and 98+, Sta. 129+ and 138+, and Sta. 178+ and End of Project, where the new construction lies along the present travelled roadway, the contractor shall, at his own expense, so prosecute construction that traffic may readily pass over the road. The Contractor will be required to complete these portions of the work with all speed practicable, and shall secure written permission from the Engineer before opening up work on other portions of the project.

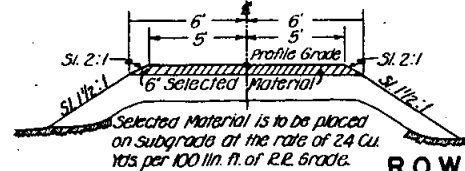
Between Sta. 120 and 129+50 the detour will be constructed on right of new roadway. (See Typical Section of Detour on Sh. No. 2), quantities involved in this work being listed in Tabulation of Structures Sh. No. 3.

The detour other than stations listed above will follow present travelled roadway and will be maintained by State Forces during construction of new project.

STA. 157+00 TO STA. 292+50
TYPICAL SECTION OF DETOUR
STA. 120 TO 129+50



TYPICAL SECTION OF R.R. CROSSING
STA. 142, 156, 178, & 278+



FENCING REQUIREMENTS

From Sta. 178+ to the End of Project, where the new construction follows the present travelled roadway, it is estimated that approximately 2500 Cu. Yds. of Selected Material will be required for placing on Roadway during construction to facilitate traffic, on places where the excavated material is unsuited for traffic.

Also the Contractor shall, at his own expense, construct and maintain in safe condition all temporary approaches to and crossings of intersecting roads.

STATION	SIDE	REMOVE FENCE LIN. FT.	BUILD BARB. WIRE FENCE LIN. FT.	REMOVE & REBUILD FENCE LIN. FT.	GATES - No.
F.A.P. 181-E Const. Div. #1					
120+00 to 133+65	R	1330	1330		
224+45 to 225+72	L	190			
224+45 to 226+20	L		180		
225+50	R				1
226+20 to 227+12	X			1200	
229+80 to 240+65	L				1
230+50	L				1
231+80	L				1
236+50	X	50			1
236+50	L				1
238+75	X	40			2
238+80	L				
PROJECT TOTALS-		1780	1510	1200	3 3

SELECTED MATERIAL

Selected Material shall be placed and spread on the subgrade approximately 6" loose thickness at the rate of 90 Cu. Yds. per 100 lin. ft. of roadway, throughout the entire project. Also Selected Material shall be placed on the railroad grade where railroad track grade is raised, and where the railroad grade is being relocated, approximately 6" loose thickness at the rate of 24 Cu. Yds. per 100 lin. ft. of track. Also between Sta. 179 and End of Project Sta. 292+50 where the new construction lies along the present travelled roadway, it is estimated that approximately 2500 Cu. Yds. of Selected Material will be required to be placed on the roadway during construction to facilitate traffic, in places where the excavated material is unsuited for traffic. This Selected Material shall be placed when and as directed by the Engineer.

This Selected Material shall be classified and paid for as 'Unclassified Excavation'. It is estimated that the material will be obtained in the vicinity of pits indicated in tabulation on right. The estimated quantities involved in the placing of this Selected Material are also shown in tabulation on right.

NOTE: The toe of fills between stations listed below shall be constructed of large rock and boulders. These rock shall be placed from bottom of fill to a minimum height of five feet above water level. Actual overhaul will be allowed and paid on this material but the cost of placing rock shall be included in the contract unit bid price per cubic yard on 'Unclassified Excavation'.

Sta. 161+ to 173+ Sta. 201 to 209+50 Sta. 241 to 245 Sta. 278+50 to 182+50 to 197 212 to 215+50 257 to 259 274+50

MATERIAL TO BE PLACED STA. TO STA.	APPROXIMATE QUANTITY REQUIRED Cu. Yds.	SOURCE OF MATERIAL	EST. OVI STA. YI
F.A.P. 181-AR 94+05.5-99+972	540	RT. 1320' West Sta. 94	59.01
F.A.P. 181-E Const. Div. #1 99+972-116+00	1450	RT. 1320' West Sta. 99	15.65
116+00-139+40	2160	RT. 150' Left Sta. 139	12.72
142+27-153+00	970	RT. 200' Right Sta. 153	2.81
153+00-176+00	2180	RT. 200' Right Sta. 160	13.82
179+00-202+00	1390	RT. 200' Right Sta. 160	13.25
202+00-225+00	2140	RT. 500' Sta. 225	23.52
225+00-227+50	230		
229+75-253+00	2210		24.21
253+00-292+50	2630	RT. 200' Left Sta. 282	23.9
292+00-292+50	950		
E.E. Crossing at 142+45.7	200	RT. 200' Right Sta. 153	4
R.R. Line Change 157+68.6-183+00	700		7.71
E.E. Crossing at 227+12.1	240	RT. 500' Right Sta. 225	5
Detours: 179+00-253+00	1100		11.0
253+00-292+50	1400	RT. 200' Left Sta. 282	14.0
TOTALS - Const. Div. #1	13,950		186.4
F.A.P. 181-E Const. Div. #2 139+40-142+27	720	RT. 200' Right Sta. 153	11.7
176+00-179+00	110	RT. 500' Sta. 225	3.7
227+50-229+75	110		
TOTALS - Const. Div. #2	940		15.4

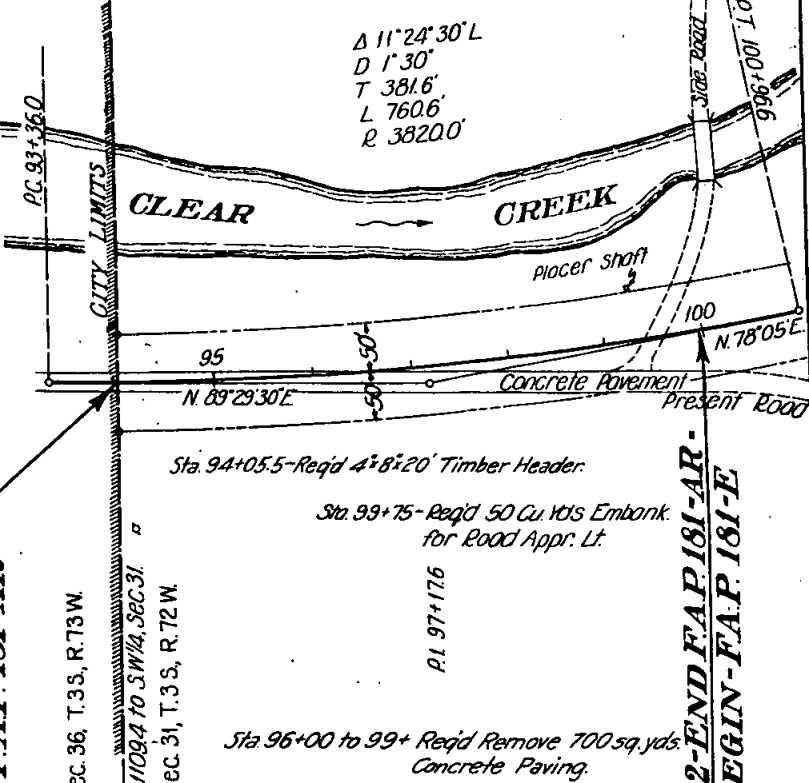
SUMMARY OF APPROXIMATE QUANTITIES									
ITEM NO.	DESCRIPTION	UNIT	F.A.P. 181-AR	F.A.P. 181-E Const. Div. #1	COMBINED TOTALS	F.A.P. 181-E CONSTR. DIV. NO. 2 ROADWAY	BRIDGE STA. 140+	BRIDGE STA. 176+	BRIDGE STA. 228+
100	Clearing & Grubbing the Entire Project	Lump Sum							
110	Removal of Disused Bridge App. Sta. 228+								
112	Removal of 14 Structures								
114	Removal of Old Timber Cribbing Sta. 206+	Sq. Yd.	700		700				
116	Removing Concrete Havemait								
120	Removing Fence	Lin. Ft.		1800	1800				
122	Removing & Rebuilding Fence	Lin. Ft.		1200	1200				
124	Resetting Gates	Each		3	3				
130	Unclassified Excavation	Cu. Yd.	2200	186,000	188,200	8000			8000
132	Cut Slope Treatment	ML	0.2	3.4	3.6				
140	Dry Rock Excavation (Struct)	Cu. Yd.		420	420		5	160	50
142	Com.			1300	1300		370	760	300
144	Wet Rock			50	50			75	10
146	Com.			150	150		5	220	360
148	Station Yard Overhaul	Sq. Yd.	8000	375,000	383,000	4000			
150	Yard Mile Overhaul	Yd. Mi.	100	1500	1600	100			
260	Gravel or Crushed Rock Surfacing	Ton	700	20,300	21,000	500			
420	Untreated Bridge Timber	MFT. D.M.					0.7	0.7	0.5
440	Miscellaneous Untreated Timber	MFT. D.M.	0.1		0.1				
460	Class A Concrete	Cu. Yd.		332	332		572	764	567
462	Class B			47	47				
464	(Handrails)						8	13	12
47	Reinforcing Steel	Lb.		27,000	27,000		56,100	78,000	50,200
48	Structural Steel						167,200	173,400	76,900
530	18" Corrugated Metal Culvert Pipe	Lin. Ft.		180	180				
532	24"			1914	1914				
74	Wire Cable Guard Fence			6192	6192	708			
760	Barbed Wire Fence with Metal Posts			1600	1600				
800	Barbed Wire Gates	Each		3	3				
820	Brass Name Plates								
810	Project Markers	Each		1	1				
812	Right of Way Markers		2	36	38				
534	30" Corrugated Metal Culvert Pipe	Lin. Ft.		60	60				
590	Drain Pipe (Conc. Fl.) (3' x 4'-8")	Each		0.2	0.2		14		
102	Blading & Grading Detour	ML							
1800	Sheet Copper	Lb.					52	4	168
890	Drain Pipe (Conc. Fl.) (3' x 4'-0")	Each							22
FORCE ACCOUNT									
	Move House off R.O.W. Sta. 225+	Lump Sum							
	Move Sheds Sta. 231+								
	House Sheds off R.O.W. Sta. 277+								
	Move Gen. Power Poles off R.O.W. Sta. 111 to 120	Lump Sum							
	Force Account (Work by Railroad Forces)								
	Moving Track & Tele. Lines Sta. 142, 155 to 183 & 227	Lump Sum							
	Construct Grade Crossings Sta. 142, 175, 227								
FORCE ACCOUNT (Work by Power Co. Forces)									
	Move Power Co. Tel. Line off R.O.W. Sta. 110 to 120	Lump Sum							
PROJECT TOTALS									
			36						
			38						

SEC. 36, T. 3 S., R. 73 W.



CITY OF
IDAHO SPRINGS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	181-AR	27	



STA 94+05.5-FAP 181-A-
BEGIN-FAP 181-AR

Sec. 36, T. 3 S., R. 73 W.

Sec. 31, T. 3 S., R. 72 W.

S.W. 1/4, SEC. 31

STA 99+972-END FAP 181-AR-
BEGIN-FAP 181-E

EXCAV
FACTOR
EXC. TO DIAG
EMBANK
STA. TO
YD. MA
BOR SOURCE

1513
100
1512

775
1080

95

100

SEC. 31, T. 3 S., R. 72 W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	181-E	28	

Rev. 5/1/36 - L.A.F.

CLEARING AND GRUBBING:- Scattered Trees and Brush throughout the Entire Project.



NOTE :- All poles encroaching on construction are to be moved by owners. Fencing Requirements, Gates, & Right of Way Markers are tabulated on Sheet No 2.

Sta 110+ to Sta 120+ -Req'd 13,000 cu. yds. Uncl. Excav. for Channel Change Lt. 9513 cu. yds. to be used in Roadway Embankment and the remainder in building dike and filling old channel.

Sta 111+ to 113+ & 121+ to 124+ -Req'd Move Gem Power Poles off Right-of-Way. (FORCE ACCOUNT)

Sta 111+ to 120+ -Req'd Move Power Co. Telephone Line off Right-of-Way. (FORCE ACCOUNT- WORK TO BE DONE BY POWER CO. FORCES)

Sta 129+25-136+85-Req'd 760' of Wire Cable Guard Fence Lt.

Sta 126+75-Req'd 100 cu. yds. Embank. for Road Approach Lt.

Sta 129+25-129+97-Req'd 72' of Wire Cable Guard Fence. Rt.

Sta 129+45-Rem. 24'x24' C.M.P. Culvert. Rt.

Sta 129+60-Req'd 8'x8'x46' Conc Box Culvert (Type 8-1) & 1500 cu. yds. Uncl. Excav. for Channel Change.

Sta 120+00-129+50-Req'd 500 cu. yds. Uncl. Excav. to construct Detour Rt. 0.2 Mile Blading & Grading Detour, & 300 Tons Gravel or Crushed Rock Surfacing for Detour.

Sta 124+50-Req'd 24'x60' C.M.P. Cross Culvert & 10 cu. yds. Uncl. Excav. for Ditches.

Sta 124+75-Remove 8'x25' Culvert.

Sta 125+75-Req'd 50 cu. yds. Emb. for Road Appr. Lt.

Sta 113+50-Req'd 24'x60' C.M.P. Cross Culvert & 10 cu. yds. Uncl. Excav. for Inlet Ditch

Sta 118+75-Req'd 24'x88' C.M.P. Cross Culvert (70% Sk) & 20 cu. yds. Uncl. Excav. for Ditches.

Sta 99+97.2-Req'd Project Marker

Sta 104+00-Req'd 24'x78' C.M.P. Cross Culvert (70% Sk) & 40 cu. yds. Uncl. Excav. for Ditches.

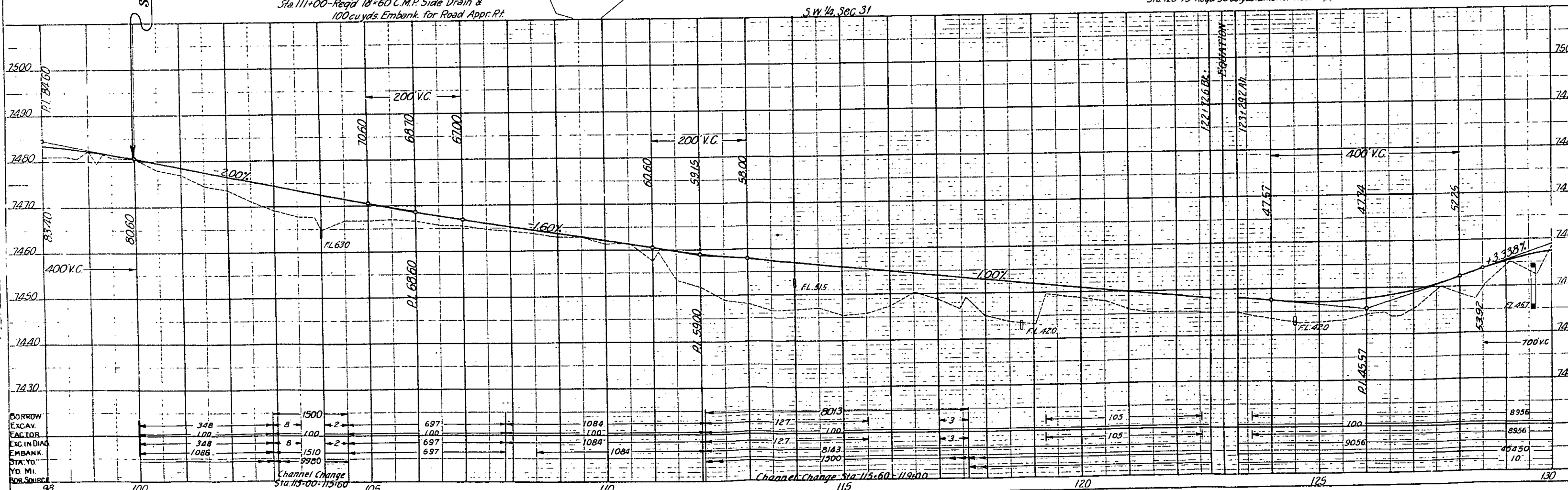
Sta 105+00-Req'd 50 cu. yds. Embank. for Road Approach Lt.

Sta 111+00-Req'd 18'x60' C.M.P. Side Drain & 100 cu. yds. Embank. for Road Appr. Rt.

BALL PARK

Grind Stand

S.W. 1/4, SEC. 31



CONSTRUCTION DIVISION No. 2
 Sta. 139+40 to 142+27 Bridge and Approaches.
 Sta. 139+57.5 to 140+20.5 Reg'd 2-63 spans Wire Cable Guard Fence Rt & Lt.
 Sta. 140+23.0 to 141+86.0 Reg'd 1-Span @ 100'-0" Center Truss Bridge with 2-31'-6" Conc. I-Beam Approach Spans (SK.63'05"). (Details see Sheet No's 4, 5, 6, 7, & 8).
 Sta. 141+88.5 to 142+19.5 Reg'd 2-31' spans Wire Cable Guard Fence Rt & Lt.

STRUCTURE No. F-15-N (CONSTR. DIV. No. 2)
 PRESENT STRUCTURE (NEW ALIGNMENT)
 STREAM DATA:
 DRAINAGE AREA: 1.54 MILES² 207
 VELOCITY DURING HIGH WATER
 ELEVATION OF MAXIMUM HIGH WATER
 NORMAL STAGE
 DRIFT - SOME
 SCOUR - LIGHT
 LOW WATER STREAM BED 7406.0
 PROPOSED STRUCTURE:
 POSITION REFERRED TO PRESENT STRUCTURE
 SPAN 100' x 28' x 30' x 6"
 CLEAR ROADWAY - 30' x 10"
 CLEAR WATERWAY - 185'0"
 TYPE OF SUPERSTRUCTURE - 100' Steel Low Truss & Conc. T-Beam
 TYPE OF SUBSTRUCTURE - Rein. Conc. Abutts & Gravity Piers
 DETAIL STRUCTURE REQUIREMENTS - NONE
 R.R. SIDING - 10 AND SPRINGS - 1/4 MILE TO BRIDGE SITE - 1 MILE NEARBY STRUCTURES ON SAME STREAM
 LOCATION OF IDAHO SPRINGS (E. 1/4 - F.)
 WATERWAY - 480 SQ. FT.
 RECORD DURING FLOODS - Adequate

STRUCTURE No. F-15-N (CONSTR. DIV. No. 2)
 Sta. 134+40 to 142+27 Bridge and Approaches.
 Sta. 139+57.5 to 140+20.5 Reg'd 2-63 spans Wire Cable Guard Fence Rt & Lt.
 Sta. 140+23.0 to 141+86.0 Reg'd 1-Span @ 100'-0" Center Truss Bridge with 2-31'-6" Conc. I-Beam Approach Spans (SK.63'05"). (Details see Sheet No's 4, 5, 6, 7, & 8).
 Sta. 141+88.5 to 142+19.5 Reg'd 2-31' spans Wire Cable Guard Fence Rt & Lt.

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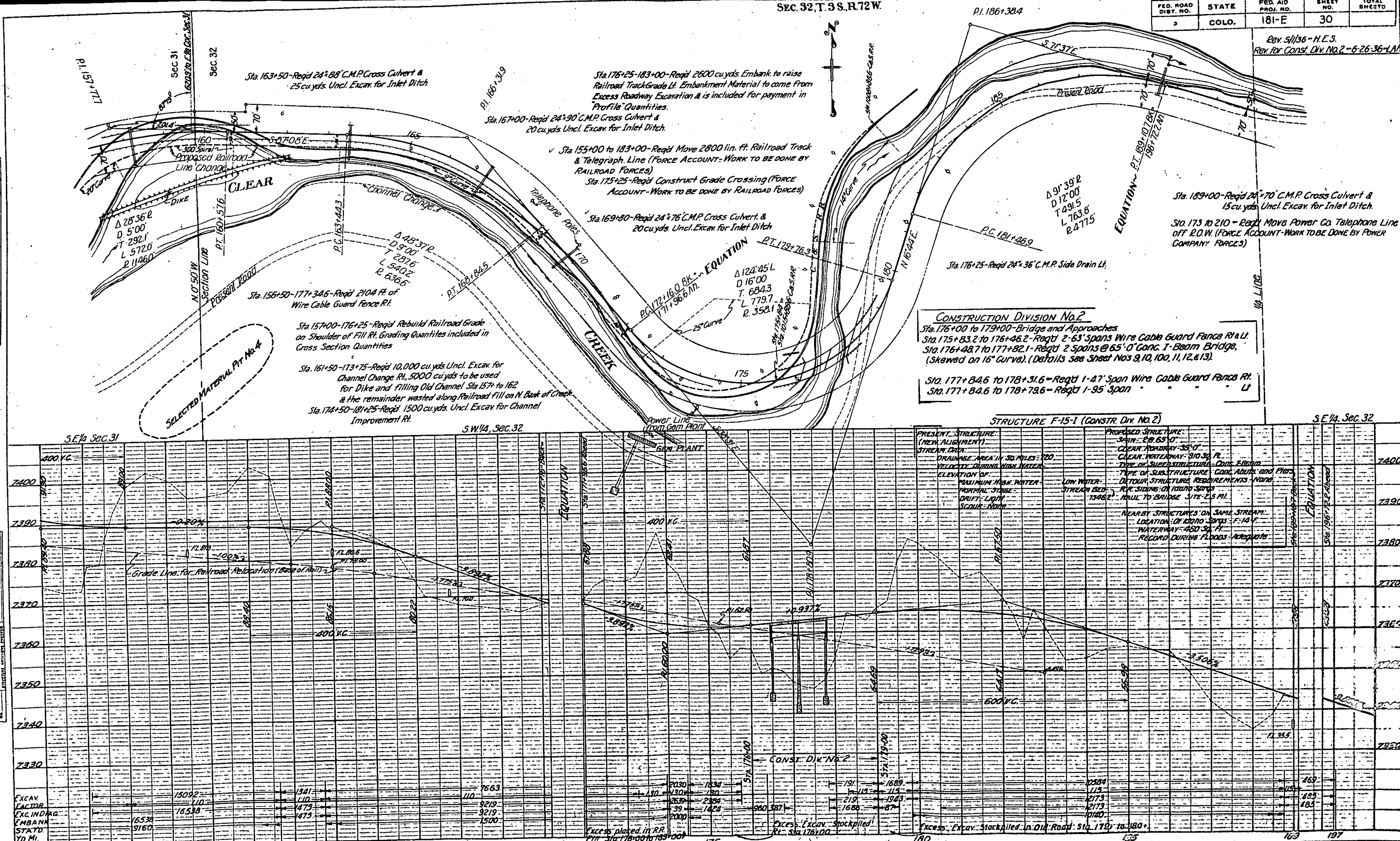
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 DRIFT - SOME
 SCOUR - LIGHT
 LOW WATER STREAM BED 7406.0
 PROPOSED STRUCTURE:
 POSITION REFERRED TO PRESENT STRUCTURE
 SPAN 100' x 28' x 30' x 6"
 CLEAR ROADWAY - 30' x 10"
 CLEAR WATERWAY - 185'0"
 TYPE OF SUPERSTRUCTURE - 100' Steel Low Truss & Conc. T-Beam
 TYPE OF SUBSTRUCTURE - Rein. Conc. Abutts & Gravity Piers
 DETAIL STRUCTURE REQUIREMENTS - NONE
 R.R. SIDING - 10 AND SPRINGS - 1/4 MILE TO BRIDGE SITE - 1 MILE NEARBY STRUCTURES ON SAME STREAM
 LOCATION OF IDAHO SPRINGS (E. 1/4 - F.)
 WATERWAY - 480 SQ. FT.
 RECORD DURING FLOODS - Adequate

STRUCTURE No. F-15-N (CONSTR. DIV. No. 2)
 PRESENT STRUCTURE (NEW ALIGNMENT)
 STREAM DATA:
 DRAINAGE AREA: 1.54 MILES² 207
 VELOCITY DURING HIGH WATER
 ELEVATION OF MAXIMUM HIGH WATER
 NORMAL STAGE
 DRIFT - SOME
 SCOUR - LIGHT
 LOW WATER STREAM BED 7406.0
 PROPOSED STRUCTURE:
 POSITION REFERRED TO PRESENT STRUCTURE
 SPAN 100' x 28' x 30' x 6"
 CLEAR ROADWAY - 30' x 10"
 CLEAR WATERWAY - 185'0"
 TYPE OF SUPERSTRUCTURE - 100' Steel Low Truss & Conc. T-Beam
 TYPE OF SUBSTRUCTURE - Rein. Conc. Abutts & Gravity Piers
 DETAIL STRUCTURE REQUIREMENTS - NONE
 R.R. SIDING - 10 AND SPRINGS - 1/4 MILE TO BRIDGE SITE - 1 MILE NEARBY STRUCTURES ON SAME STREAM
 LOCATION OF IDAHO SPRINGS (E. 1/4 - F.)
 WATERWAY - 480 SQ. FT.
 RECORD DURING FLOODS - Adequate

STRUCTURE No. F-15-N (CONSTR. DIV. No. 2)
 PRESENT STRUCTURE (NEW ALIGNMENT)
 STREAM DATA:
 DRAINAGE AREA: 1.54 MILES² 207
 VELOCITY DURING HIGH WATER
 ELEVATION OF MAXIMUM HIGH WATER
 NORMAL STAGE
 DRIFT - SOME
 SCOUR - LIGHT
 LOW WATER STREAM BED 7406.0
 PROPOSED STRUCTURE:
 POSITION REFERRED TO PRESENT STRUCTURE
 SPAN 100' x 28' x 30' x 6"
 CLEAR ROADWAY - 30' x 10"
 CLEAR WATERWAY - 185'0"
 TYPE OF SUPERSTRUCTURE - 100' Steel Low Truss & Conc. T-Beam
 TYPE OF SUBSTRUCTURE - Rein. Conc. Abutts & Gravity Piers
 DETAIL STRUCTURE REQUIREMENTS - NONE
 R.R. SIDING - 10 AND SPRINGS - 1/4 MILE TO BRIDGE SITE - 1



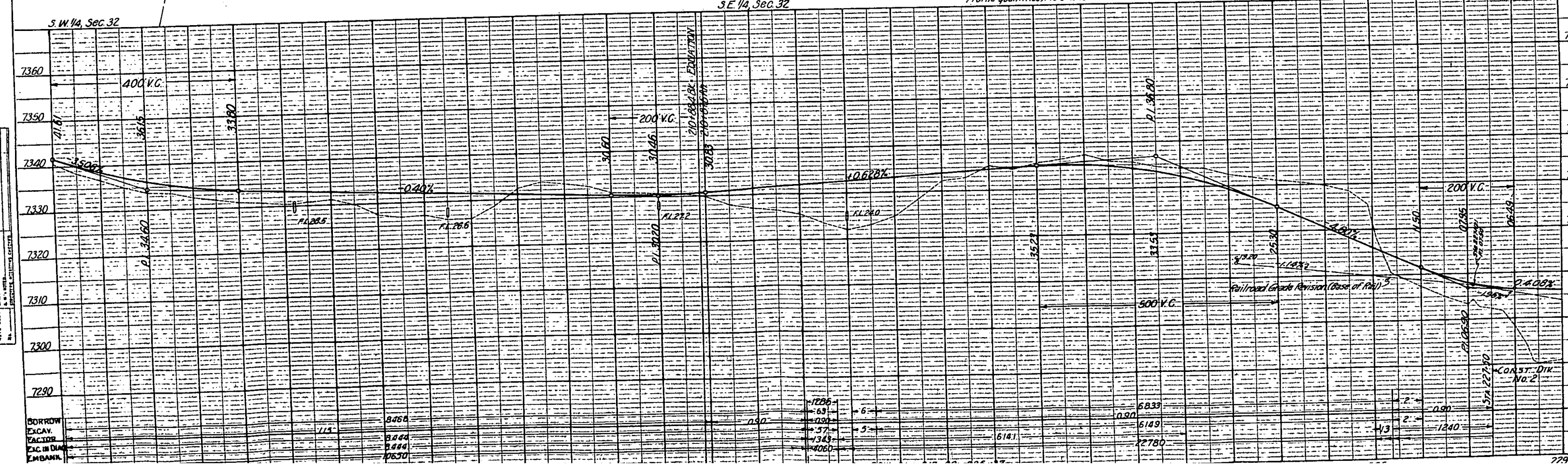
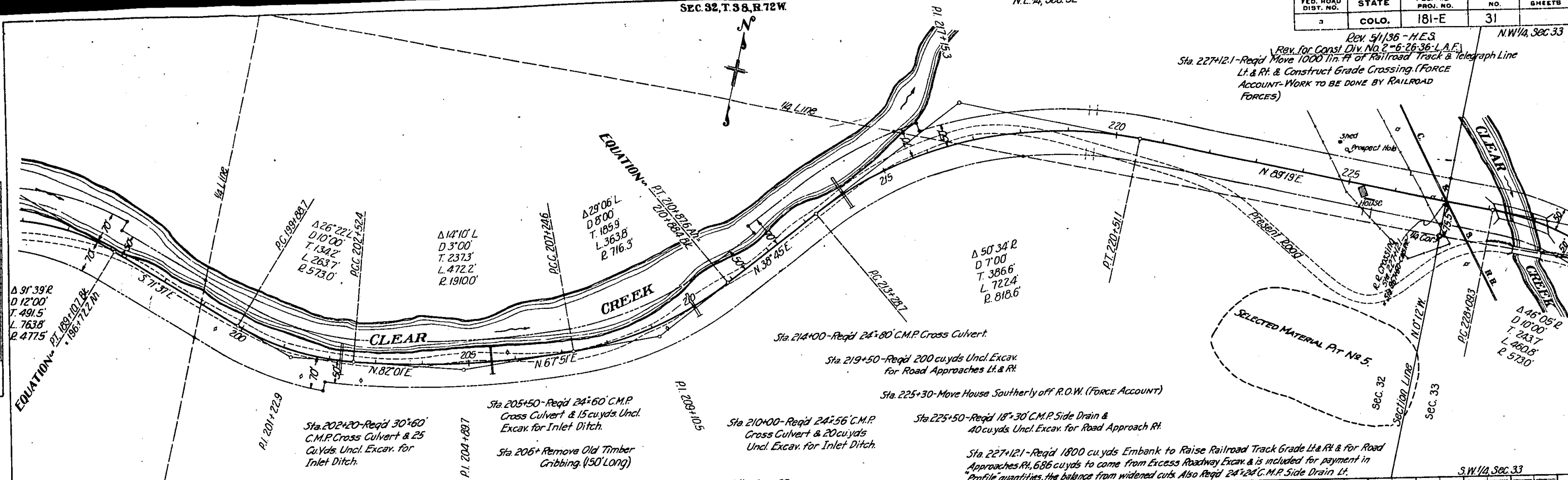
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
7	COLO.	181-E	31	

SEC. 32, T. 38, R. 72W.

N.E. 1/4, Sec. 32

N.W. 1/4, Sec. 33

Rev. 5/1/36 - H.E.S.
 Rev. for Const. Div. No. 2 - 6-26-36 - L.A.F.
 Sta. 227+12.1 - Reqd. Move 1000 lin. ft. of Railroad Track & Telegraph Line Lt. & Rt. & Construct Grade Crossing. (FORCE ACCOUNT - WORK TO BE DONE BY RAILROAD FORCES)



N.W. 1/4, SEC. 33

SEC. 33, T. 3 S., R. 72 W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	181-E	32	

S.E. 1/4, SEC. 33

Rev. for Const. Div. No. 2-6-26-36-L.A.F.

Sta 231+75-234+75-Req'd 2500 cu. yds. Uncl. Excav.
for Road Approach Lt.
Sta 234+75-Req'd 18'x30' C.M.P. Side Drain Lt.

Sta 238+80-Req'd 20 cu. yds. Uncl. Excav.
for Road Approach Lt.

Sta 231+ Req'd Move Sheds off Right
of Way (Force Account)

Sta 240+70-Req'd 24'x50' C.M.P. Cross Culvert &
10 cu. yds. Uncl. Excav. for Inlet Ditch

Sta 242+65-Remove 12'x21' Iron Pipe.

Sta 245+00-Req'd 24'x56' C.M.P. Cross Culvert &
10 cu. yds. Uncl. Excav. for Inlet Ditch.

Sta 247+95-Remove Pipe Culvert.

$\Delta 55'22''$ L
D 9'00"
T 3340'
L 615.2'
R 636.7'

$\Delta 46'05''$ R
D 10'
T 2437'
L 460.8'
R 5730'

$\Delta 10'10''$ L
D 2'00"
T 2549'
L 508.3'
R 20650'

Power Tower

CLEAR

Power Tower

CREEK

CONSTRUCTION DIVISION No. 2

Sta 227+50 to 229+75-Bridge and Approaches.

Sta 227+46.2 to 228+09.2-Req'd 2-63' Spans Wire Cable Guard Fence Rt & Lt.

Sta 228+11.7 to 229+28.3-Req'd 2-Spans @ 30'-0" & 1-Span at 50'-0" Conc.
T-Beam Bridge, (Skewed on 10° curve). (Details see Sheet Nos 14, 15, 16, 17, 18).

Sta 229+30.8 to 229+93.8-Req'd 2-63' Spans Wire Cable Guard Fence Rt & Lt.

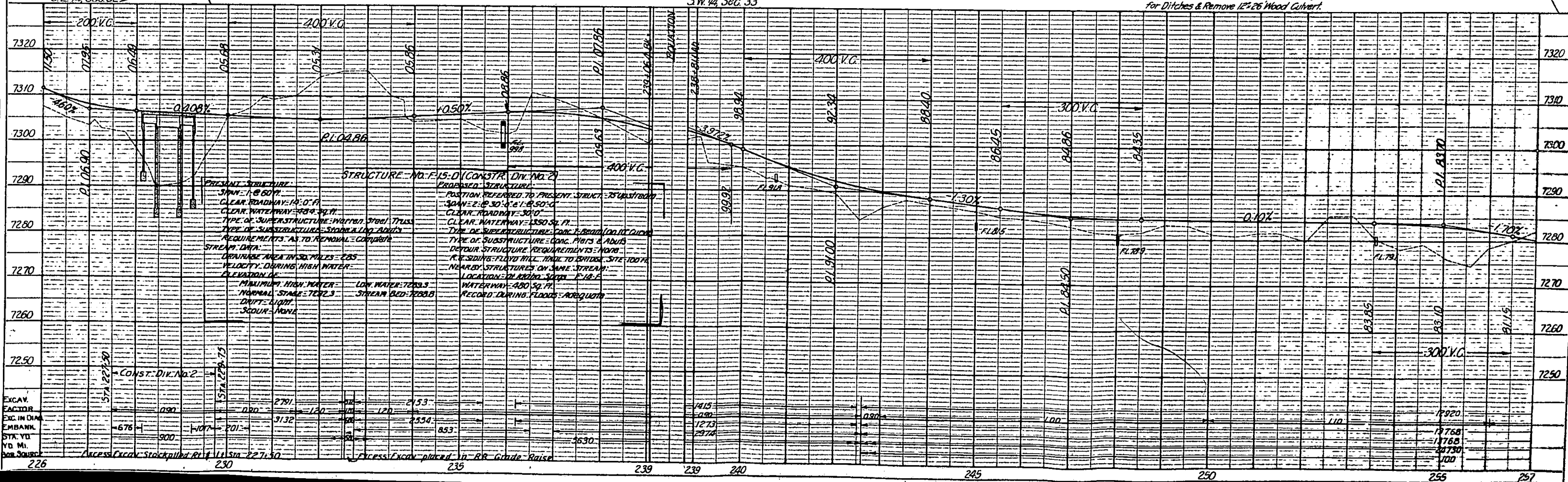
Sta 235+91-Req'd 6'x4'x46' Conc. Box Culvert &
30 cu. yds. Uncl. Excav. for Inlet Ditch.

Sta 248+00-Req'd 24'x52' C.M.P. Cross Culvert &
10 cu. yds. Uncl. Excav. for Inlet Ditch.

Sta 250+42-Remove 12'x24' C.M.P. Culvert.

Sta 253+55-Req'd 24'x56' C.M.P. Cross Culvert & 5 cu. yds. Uncl. Excav.
for Ditches & Remove 12'x26' Wood Culvert.

S.W. 1/4, SEC. 33

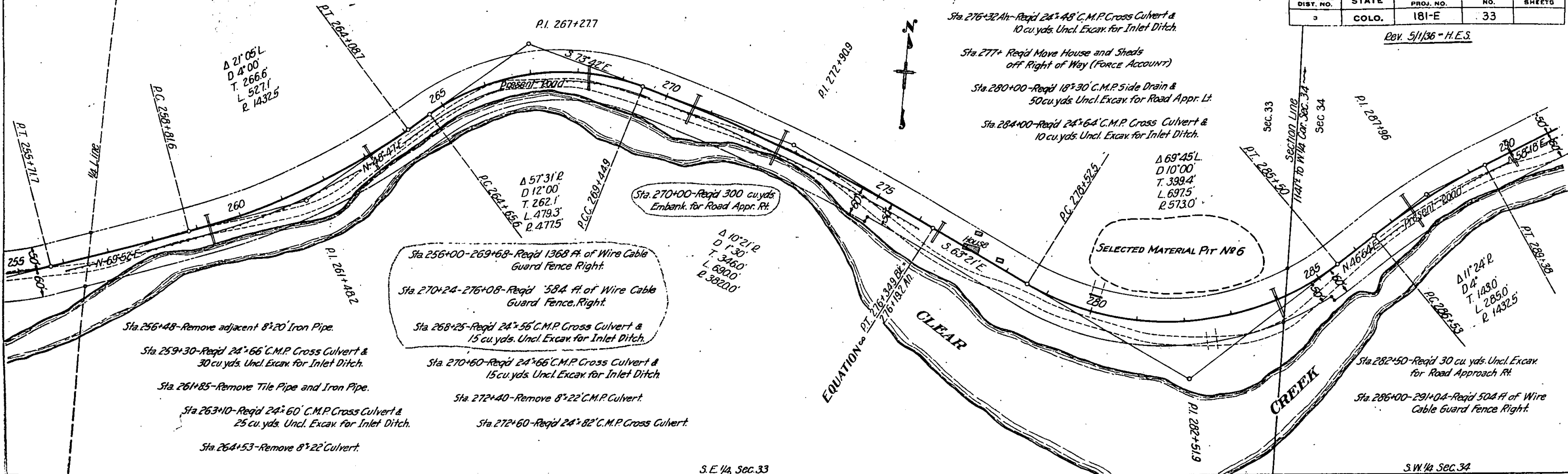


S.W. 1/4, Sec. 33

SEC. 33, T. 3 S., R. 72 W.

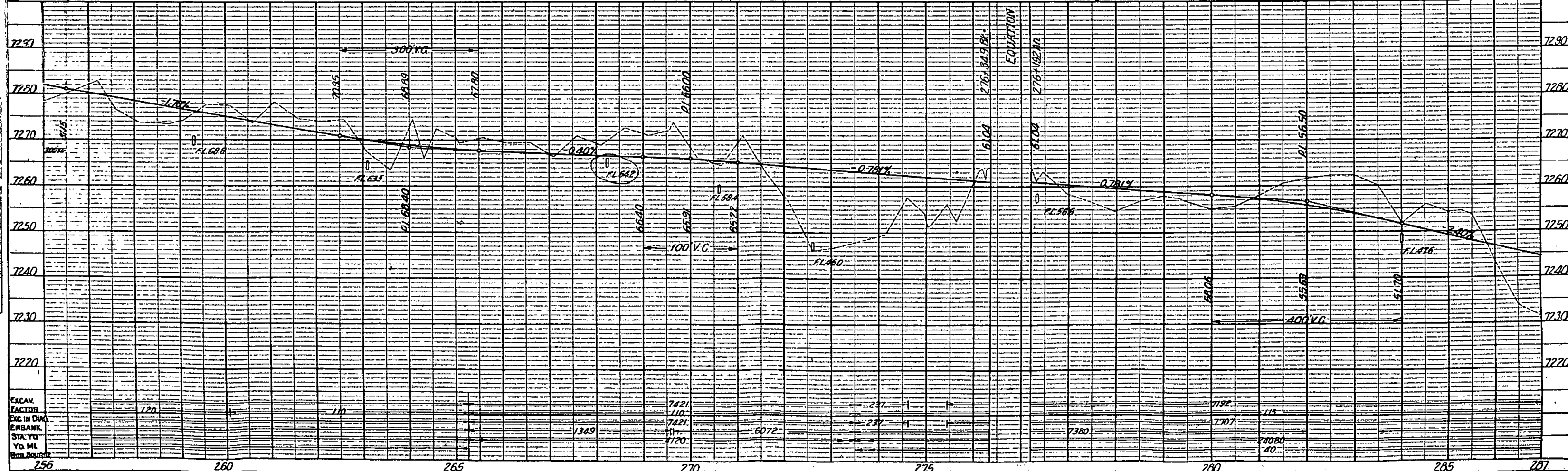
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	181-E	33	

Rev. 5/1/36 - H.E.S.



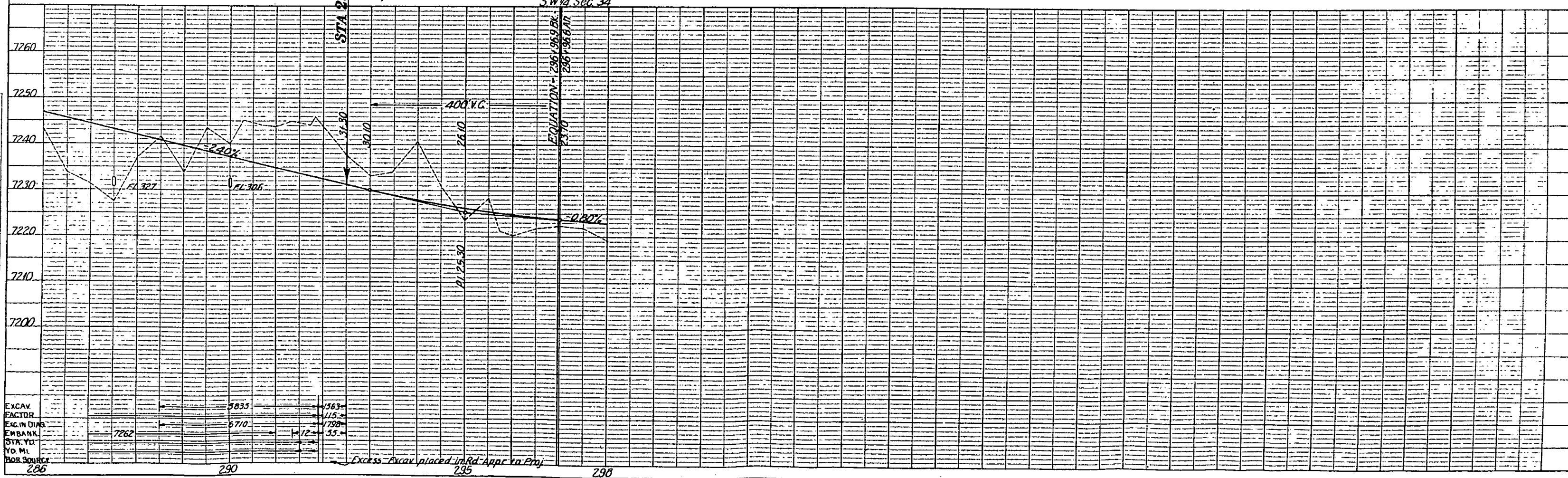
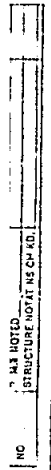
S.E. 1/4, Sec. 33

S.W. 1/4, Sec. 34

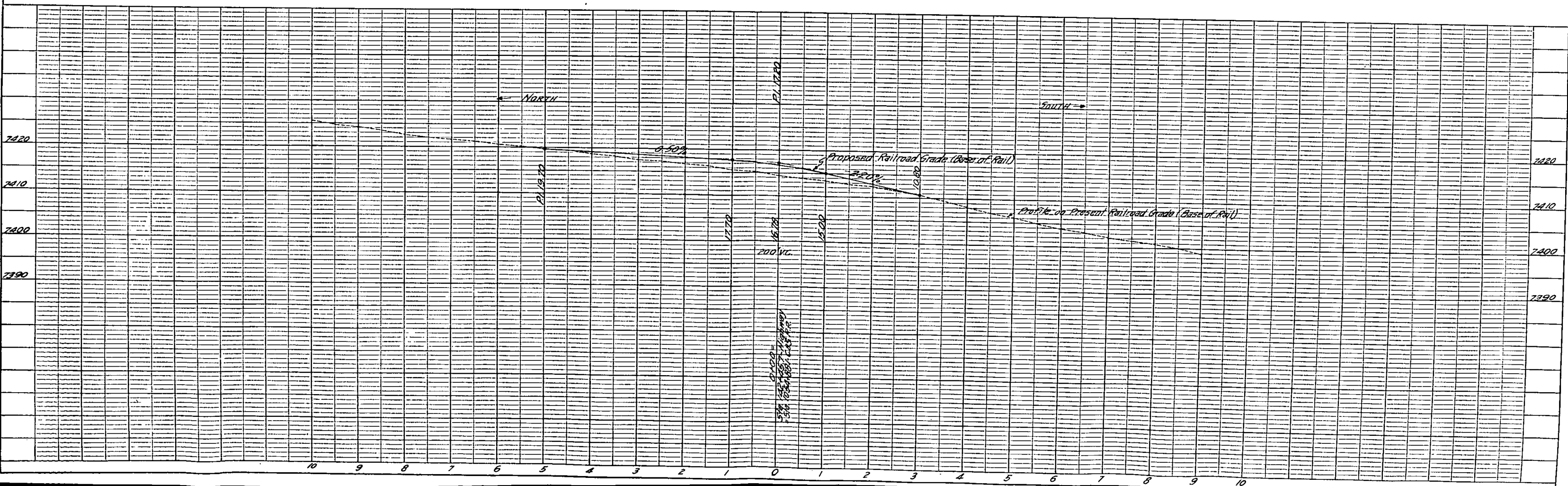
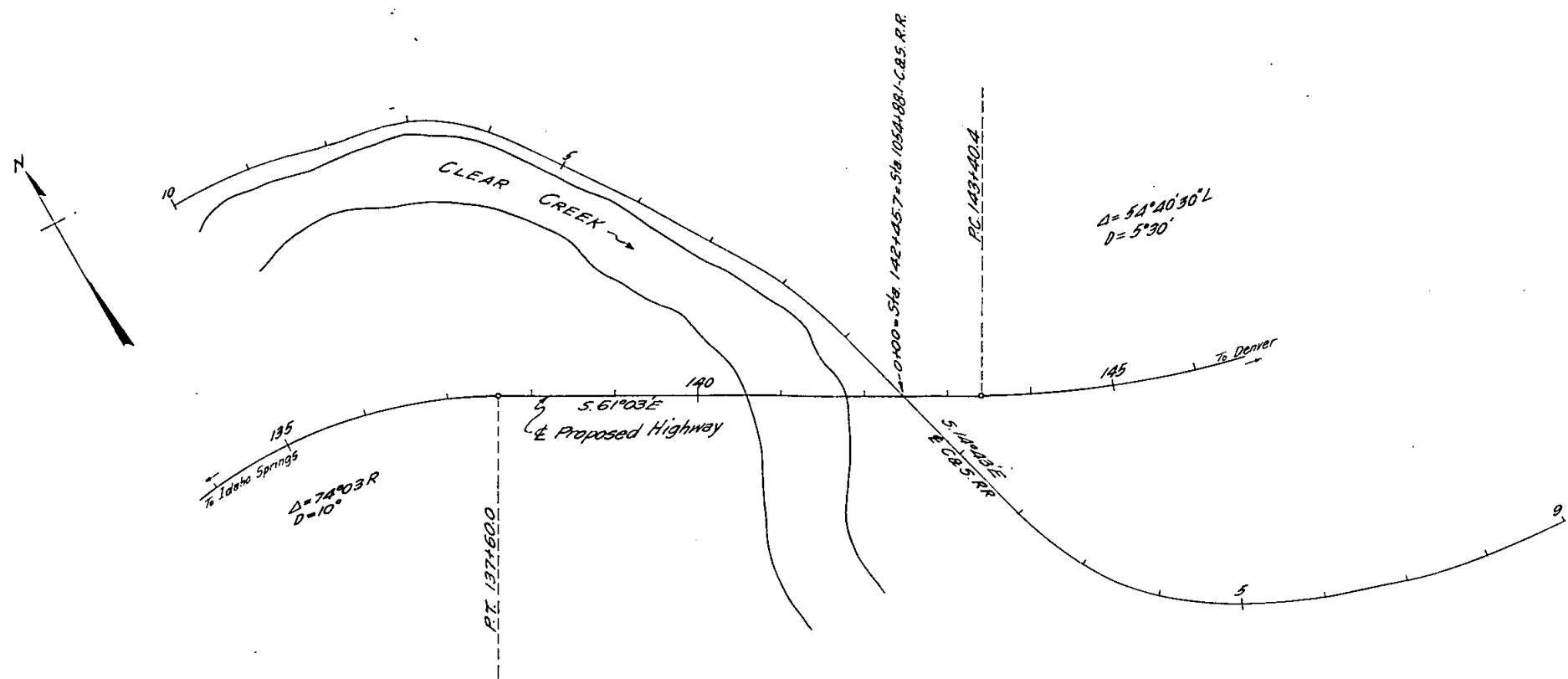


EXCAV. FACTOR	EXC. IN DIA.	EMBANK. STA. TO	YD. MI.
120			
110			
100			
90			
80			
70			
60			
50			
40			
30			
20			
10			
0			

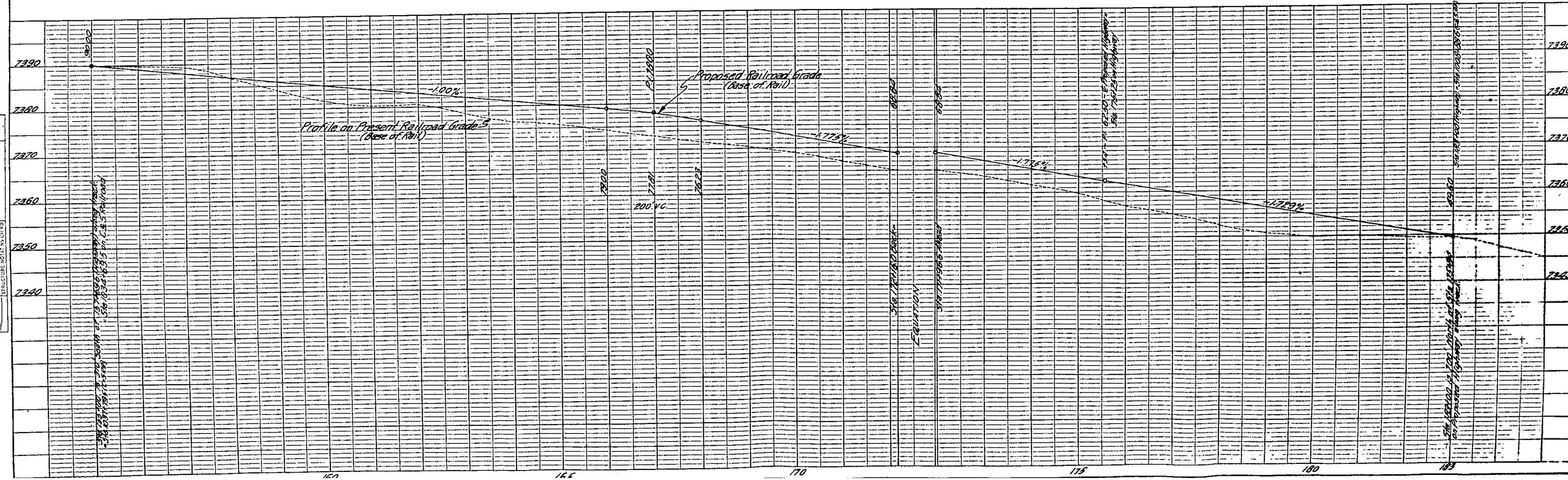
NOTE BOOK	ALIGNMENT CHECKED	
NO.	RT. OF WAY CHECKED	



FED. ROAD DIST. NO.	STATE	F.A.P. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	181 E	35	



NOTE :- For Railroad Alignment see Sheets *29 and *30.



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F.A.P. 181-E	37	

