

FED. ROAD DIST. NO.	STATE	W.P.G.H. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	129	1	

COLORADO STATE HIGHWAY DEPARTMENT

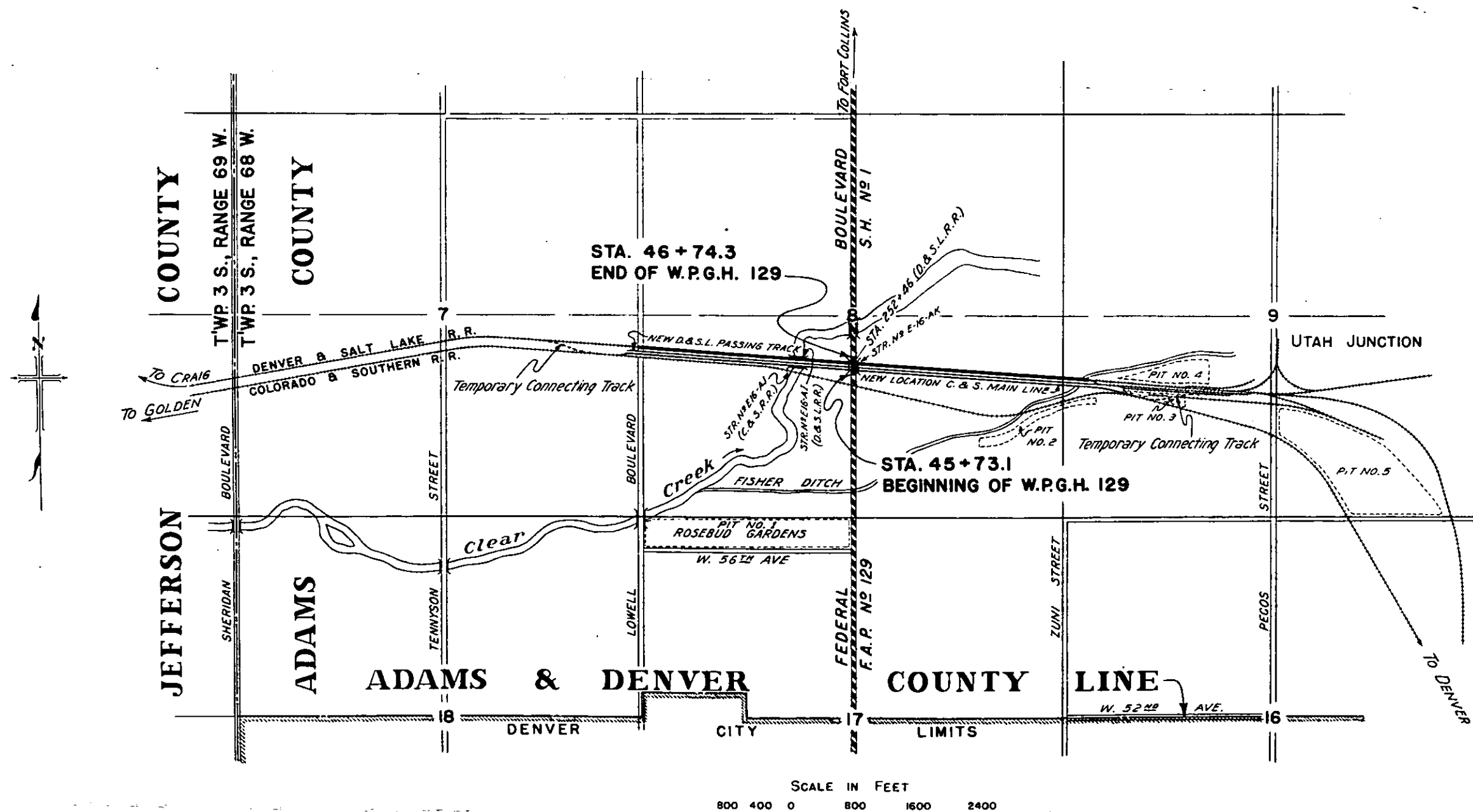
PLAN AND PROFILE OF PROPOSED U.S.WORKS PROGRAM GRADE CROSSING PROJECT W.P.G.H. 129 STATE HIGHWAY NO. 1 ADAMS COUNTY

CONVENTIONAL SIGNS

CENTER LINE OF SURVEY  200
RIGHT OF WAY LINES 
TOWNSHIP OR RANGE LINES 
SECTION LINES 
ONE QUARTER SECTION LINES 
POLE LINES 
BARBED WIRE FENCE 
RAILROADS 

- INDEX OF SHEETS
1. SKETCH MAP AND TITLE SHEET.
 2. TYPICAL CROSS SECTION AND SUMMARY OF QUANTITIES.
 - 2a. TABULATION OF STRUCTURES.
 - 3 TO 6. DETAILS OF UNDERPASS, STA. 252+
 - 7 TO 9. { " " D.&S.L. R.R. TIMBER TRESTLE, STA. 257+
" " C.&S. R.R. " " STA. 257+
 10. STANDARD STRUCTURE NUMBER LETTERING M 10 A
 11. " WIRE FENCES M 24 F
 12. " ROADWAY TRAFFIC SIGNS M 2 B
 13. Special Concrete Box Culvert, Sta. 221+
 - 14 TO 17. Alignment Plan and Profile.
 - 18 TO 36. Cross Section Sheets.

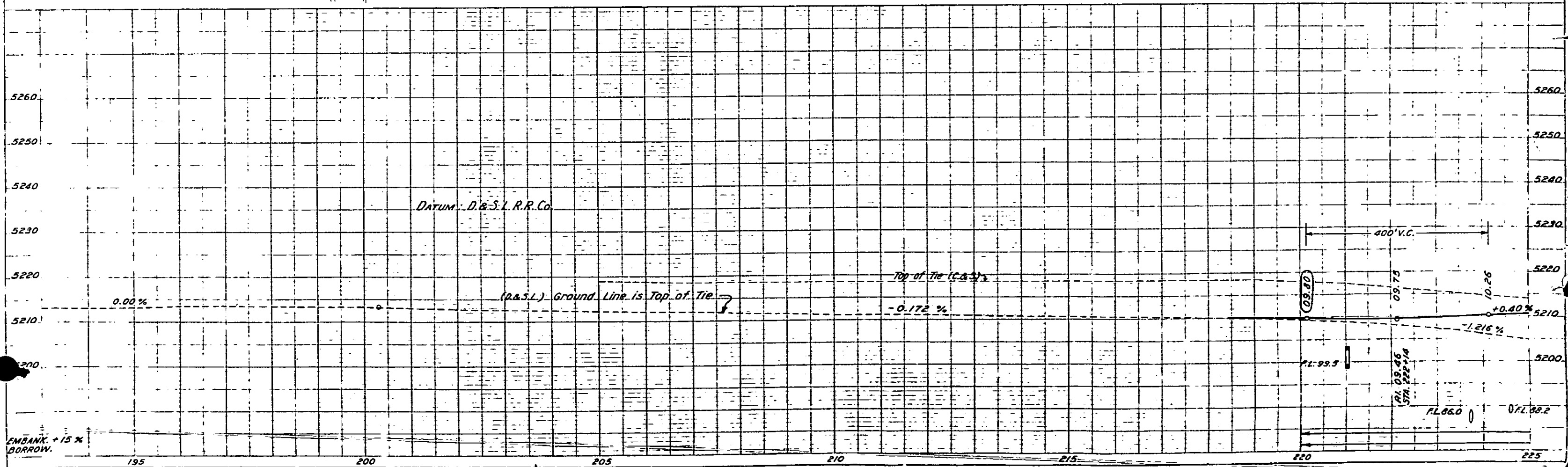
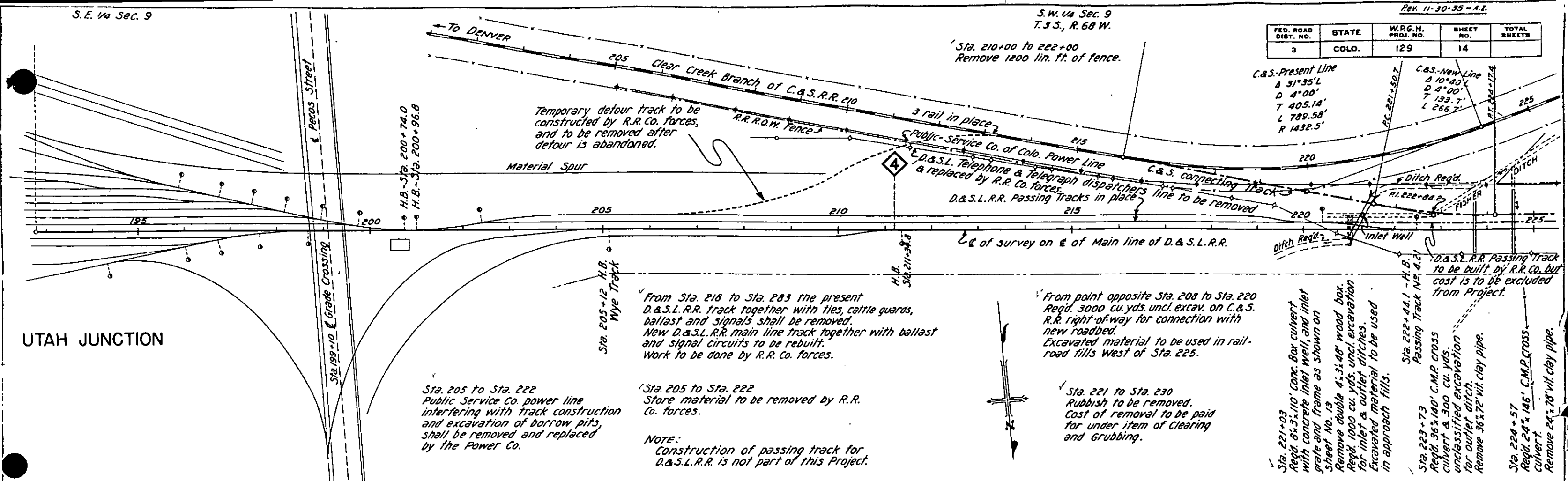
SCALES OF ORIGINAL TRACINGS
ON PLAN, 1 IN. = 100 FT.
ON PROFILE 1 IN. = 100 FT. HORIZONTAL
1 IN. = 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF BASE OF RAIL
GROSS LENGTH OF PROJECT } 101.2 FEET = 0.019 MILES
NET LENGTH OF PROJECT }



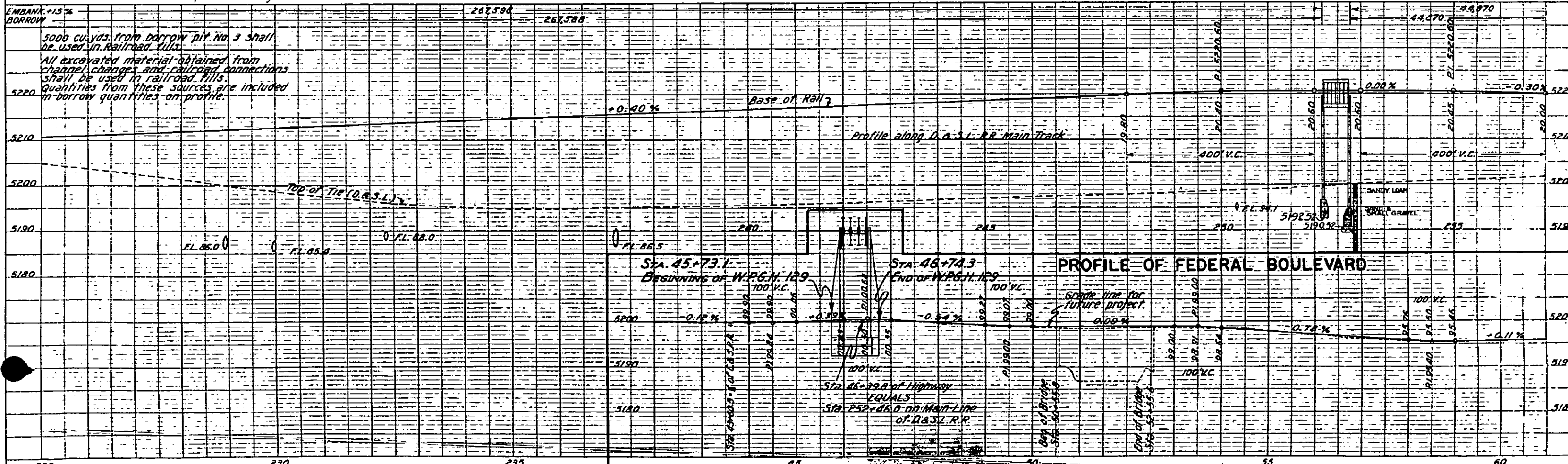
NOTE
It is recommended that bidders on this Project go over the plan details with one of the following field representatives of this department:
E.E. Montgomery Division Engineer Denver, Colo.

APPROVED
CHIEF ENG. THE DENVER & SALT LAKE RY. CO.
APPROVED
CHIEF ENG. THE COLORADO & SOUTHERN RY. CO.
RECOMMENDED FOR APPROVAL 4/20/35
APPROVED
CHAS. D. VAIL
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	W.P.G.H. PROJ. NO.	SHEET NO.	TOTAL SHEETS
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Revised 3-12-36 A.D.N. Lowered W. Abut. Hgt.
C. & S. tracks on Highway R.O.W. to
removed by R.R. Co. after detour is
abandoned.



Present C. & S. R.R. Bridge to be reconstructed by R.R. Co. for detour of R.R. traffic during construction.

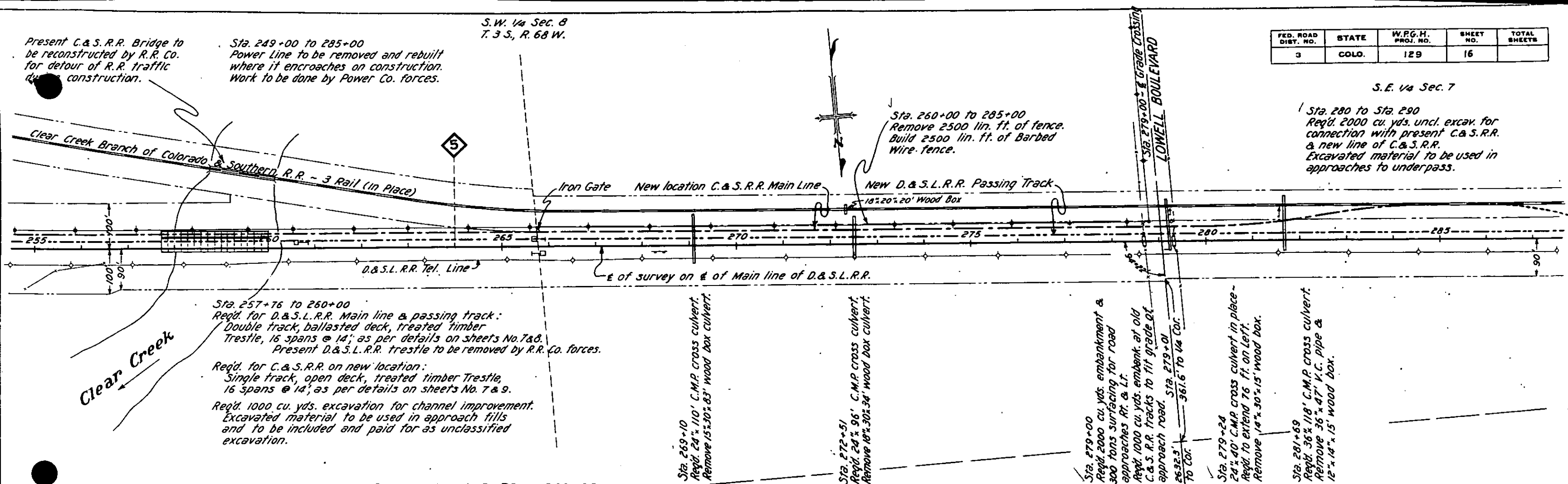
Sta. 249+00 to 285+00
Power Line to be removed and rebuilt where it encroaches on construction.
Work to be done by Power Co. forces.

S.W. 1/4 Sec. 8
T. 3 S., R. 68 W.

FED. ROAD DIST. NO.	STATE	W.P.G.H. PROJ. NO.	SHEET NO.	TOTAL SHEETS
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S.E. 1/4 Sec. 7

Sta. 280 to Sta. 290
Reqd. 2000 cu. yds. uncl. excav. for connection with present C. & S. R.R. & new line of C. & S. R.R.
Excavated material to be used in approaches to underpass.



Sta. 257+76 to 260+00
Reqd. for D. & S. L. R.R. Main line & passing track:
Double track, ballasted deck, treated timber
Trestle, 16 spans @ 14', as per details on sheets No. 7 & 8.
Present D. & S. L. R.R. trestle to be removed by R.R. Co. forces.

Reqd. for C. & S. R.R. on new location:
Single track, open deck, treated timber Trestle,
16 spans @ 14', as per details on sheets No. 7 & 9.

Reqd. 1000 cu. yds. excavation for channel improvement.
Excavated material to be included and paid for as unclassified excavation.

Sta. 269+10
Reqd. 24' x 110' C.M.P. cross culvert.
Remove 15' x 30' x 83' wood box culvert.

Sta. 272+51
Reqd. 24' x 96' C.M.P. cross culvert.
Remove 18' x 30' x 34' wood box culvert.

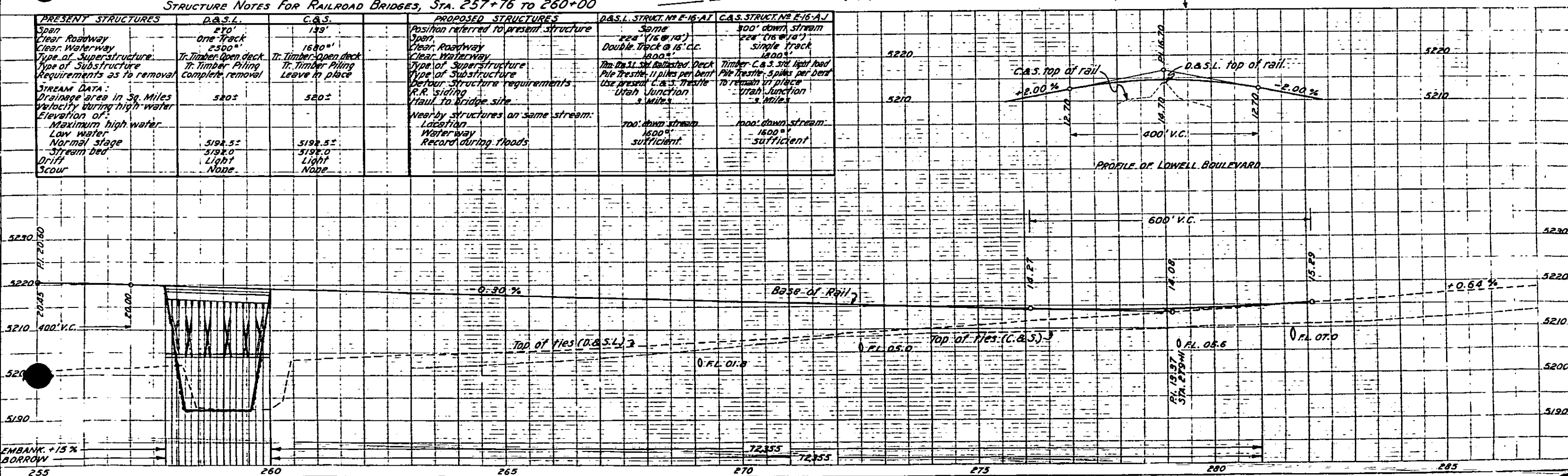
Sta. 279+00
Reqd. 2000 cu. yds. embankment & 300 tons surfacing for road approaches Rt. & Lt.
Reqd. 1000 cu. yds. embankment at old C. & S. R.R. tracks to fit grade of approach road. Sta. 279+01 to Sta. 282+3' To Cor.

Sta. 279+24
Reqd. 24' x 40' C.M.P. cross culvert in place -
Reqd. to extend 76 ft. on Left.
Remove 14' x 30' x 15' wood box.

Sta. 281+59
Reqd. 36' x 118' C.M.P. cross culvert.
Remove 36' x 47' V.C. pipe & 12' x 14' x 15' wood box.

STRUCTURE NOTES FOR RAILROAD BRIDGES, STA. 257+76 TO 260+00

PRESENT STRUCTURES	D. & S. L.	C. & S.	PROPOSED STRUCTURES	D. & S. L. STRUCT. NO. E-16-AI	C. & S. STRUCT. NO. E-16-AJ
Span	270'	139'	Position referred to present structure	Same	300' down stream
Clear Roadway	One-Track		Span	224' (16 @ 14')	224' (16 @ 14')
Clear Waterway	2500"	1680"	Clear Roadway	Double Track @ 15' C.C.	single track
Type of Superstructure	Tr. Timber Open deck	Tr. Timber Open deck	Clear Waterway	1800"	1800"
Type of Substructure	Tr. Timber Piling	Tr. Timber Piling	Type of Superstructure	Tim. Tr. 31' 3rd Ballasted Deck	Timber C. & S. 3rd light load
Requirements as to removal	Complete removal	Leave in place	Type of Substructure	Pile Trestle, 11 piles per bent	Pile Trestle, 5 piles per bent
STREAM DATA:			Detour Structure requirements	Use present C. & S. Trestle	To remain in place
Drainage area in Sq. Miles	520±	520±	R.R. siding	Utah Junction	Utah Junction
Velocity during high water			Haul to bridge site	3 miles	3 miles
Elevation of:			Nearby structures on same stream:		
Maximum high water			Location	700' down stream	1000' down stream
Low water	5192.5±	5192.5±	Waterway	1600' sufficient	1600' sufficient
Normal stage	5192.0	5192.0	Record during floods		
Stream bed	Light	Light			
Drift	None	None			
Scour					



S.E. 1/4 Sec. 7
T.3 S., R. 68 W.

D. & S. L. R.R.
Δ 19° 28' L
D 1° 30'
T 655.26'
L 1297.78'
R 3820'

S.W. 1/4 Sec. 7

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Temporary Detour track to be constructed by Railroad Co. forces.

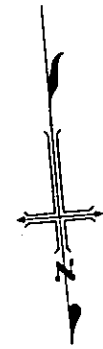
Colorado & Southern R.R. - 3 Rail

Center of survey on E of Main line of D. & S. L. R.R.

TENNYSON STREET

RT. 307+57.6

To Golden



7

N.E. 1/4 Sec. 7

N.W. 1/4 Sec. 7

