

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.
3	COLO.	SP 61-9-509	1

RIGHT OF WAY

COLORADO

DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED PROJECT N. SP 61-9-509 STATE HIGHWAY NO. 9 SUMMIT COUNTY

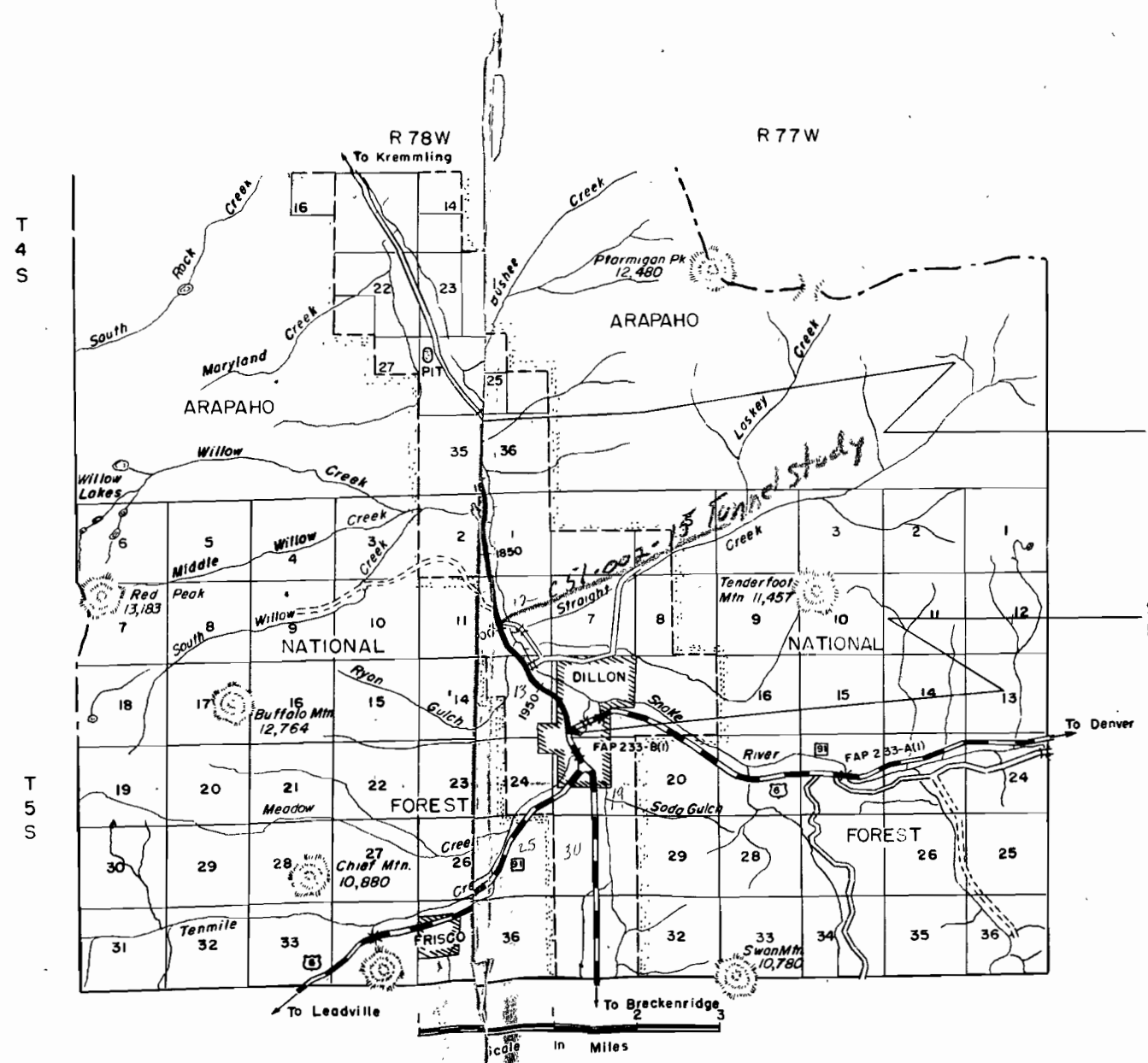
CONVENTIONAL SIGNS

- Center Line
- Right of Way Line
- County Line
- Township or Range Line
- Section Line
- Quarter-Section Line
- Sixteenth Section Line
- Property or Tract Line
- City Limits
- Barbed Wire Fence
- Combination Fence
- Teleph. & Teleg. Line
- Power Line
- Present Road Plan Sheets

INDEX OF SHEETS

SHEET NO.1	TITLE SHEET
2	TABULATION OF PROPERTIES
3-11	PLAN AND PROFILE SHEETS SHOWING RIGHT OF WAY
12-13	OWNERSHIP MAP

SCALE OF ORIGINAL TRACINGS
 ON PLAN 1 IN. = 100 FT.
 ON PROFILE 1 IN. = 100 FT. HORIZONTAL
 ON PROFILE 1 IN. = 10 FT. VERTICAL
 GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
 GROSS LENGTH OF PROJECT
 NET LENGTH OF PROJECT

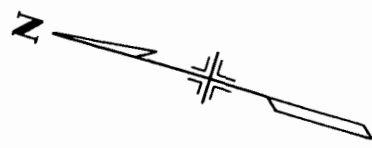


*SEE SHEET 8 FOR TIE TO
NEW LINE*

*SEE LAST SHEET FOR
SEC COR TIE!*

STA. 1760+00
BEGIN SP 61-9-509

STA 1998+350.0 = 0-90.8 FAP 233-B(1) =
END PROJECT SP 61-9-509

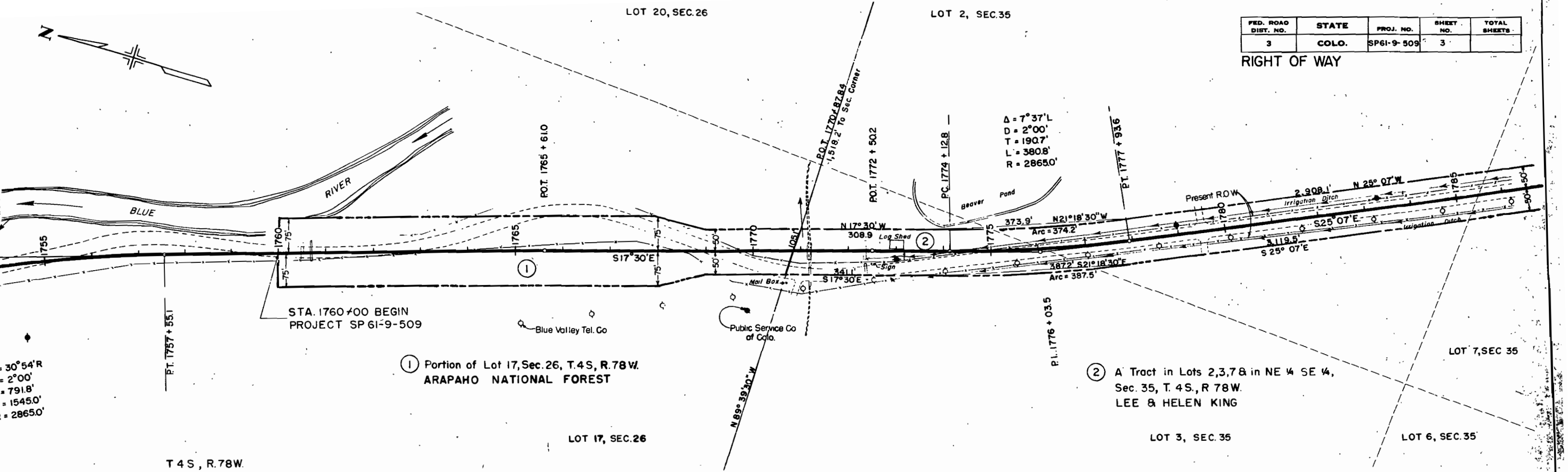


LOT 20, SEC.26

LOT 2, SEC.35

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-509	3	

RIGHT OF WAY



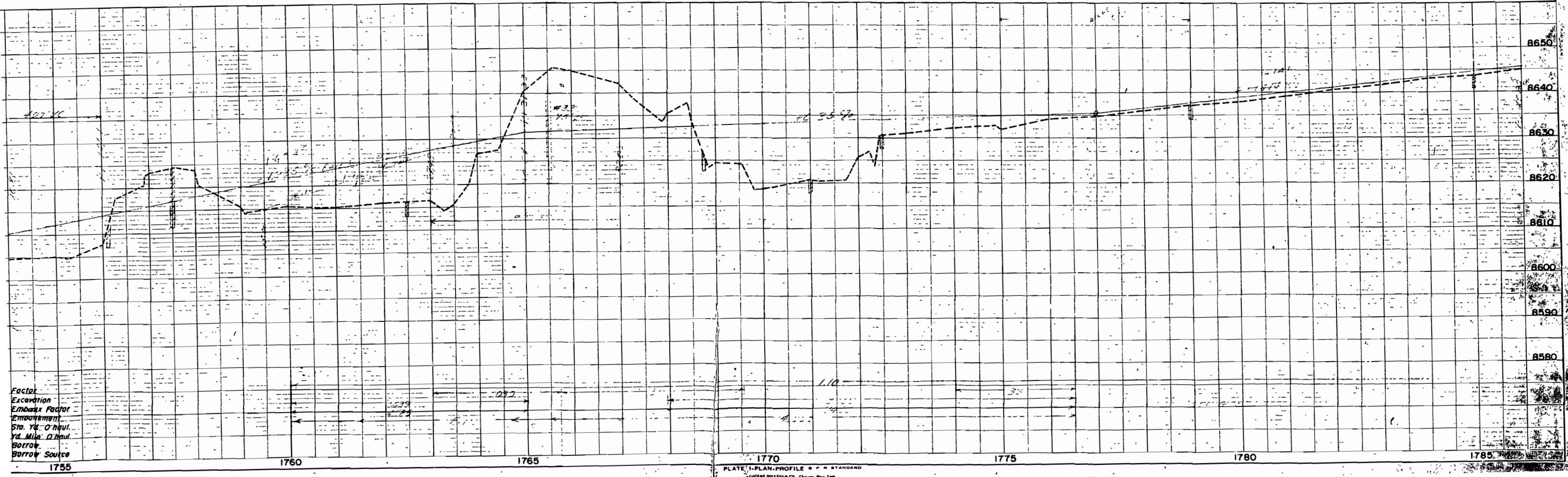
30°54'R
= 2°00'
= 791.8'
= 15450.0'
= 28650.0'

STA. 1760+00 BEGIN
PROJECT SP 61-9-509

① Portion of Lot 17, Sec. 26, T.4S, R.78W.
ARAPAHO NATIONAL FOREST

② A Tract in Lots 2,3,7 & 8 in NE ¼ SE ¼,
Sec. 35, T. 4S, R 78W.
LEE & HELEN KING

T 4 S, R. 78 W.



Factor
Excavation
Embankment
Sta. Yd. O'haul.
yd Mile O'haul
Borrow Source

RIGHT OF WAY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-508	4	

LOT 2, SEC 35

LOT 7, SEC. 35

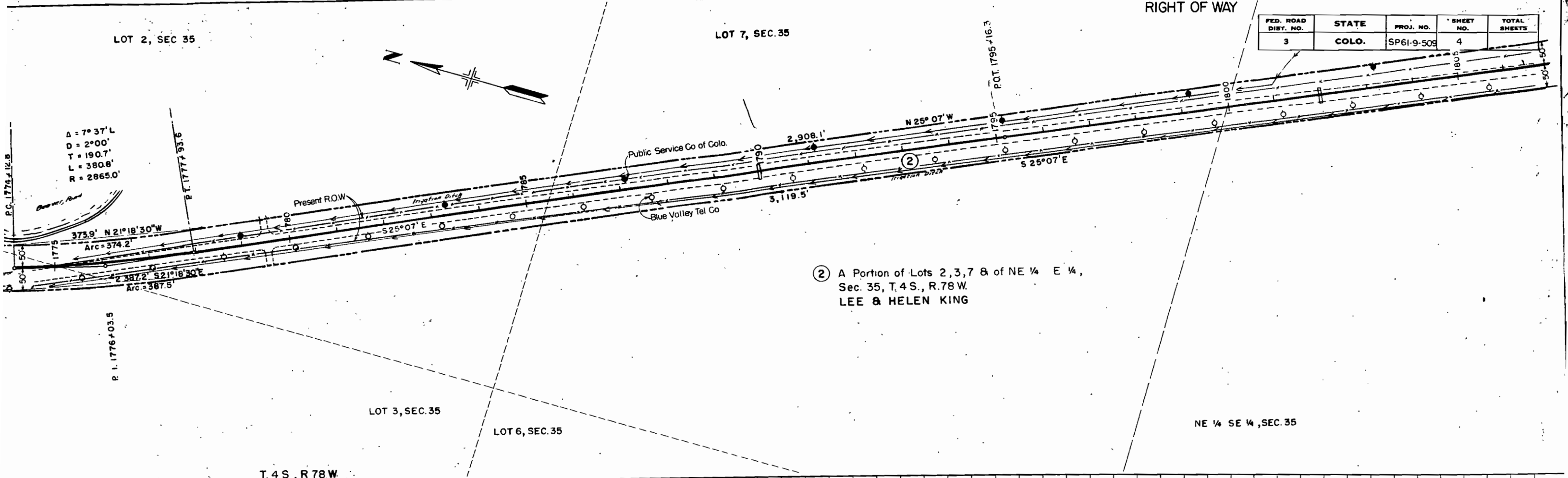
LOT 3, SEC. 35

LOT 6, SEC. 35

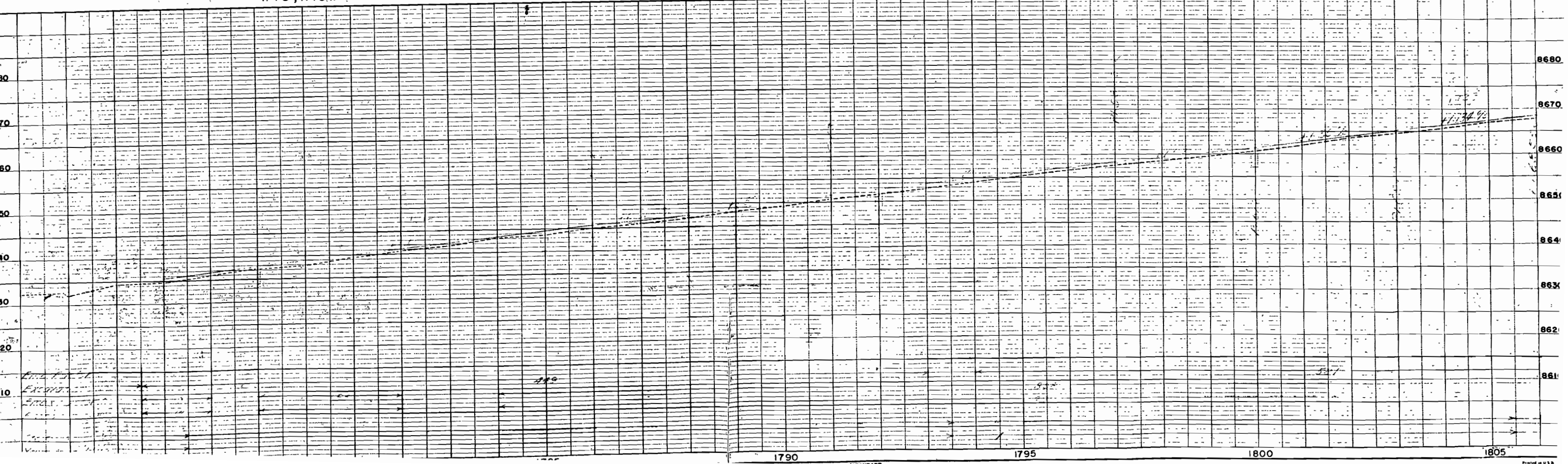
NE 1/4 SE 1/4, SEC. 35

T. 4 S., R. 78 W.

$\Delta = 7^{\circ} 37' L$
 $D = 2^{\circ} 00'$
 $T = 190.7'$
 $L = 380.8'$
 $R = 2865.0'$



② A Portion of Lots 2, 3, 7 & of NE 1/4 E 1/4,
 Sec. 35, T. 4 S., R. 78 W.
 LEE & HELEN KING



SW 1/4, SEC. 36

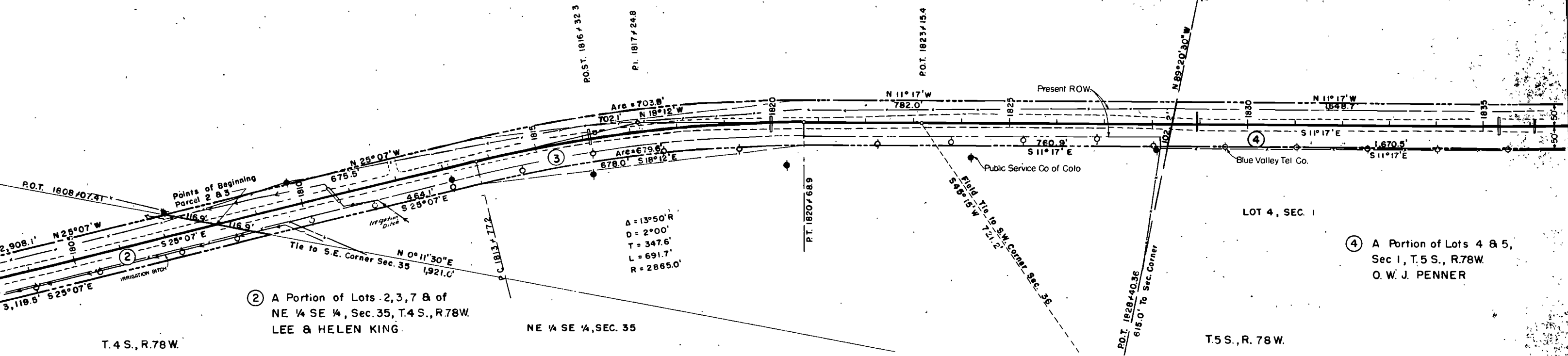
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3	COLO.	SP61-9-509	5	

RIGHT OF WAY

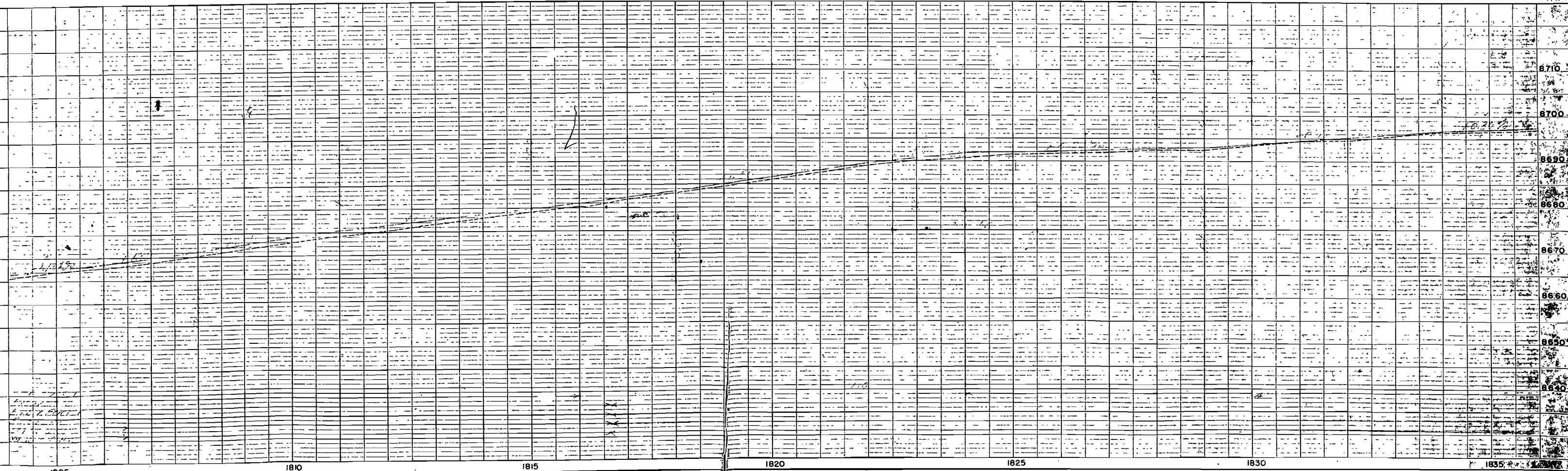
③ A Tract in SW 1/4, Sec. 36, T.4 S., R.78 W. STATE LAND BOARD ET. AL.

② A Portion of Lots 2, 3, 7 & of NE 1/4 SE 1/4, Sec. 35, T.4 S., R.78 W. LEE & HELEN KING.

④ A Portion of Lots 4 & 5, Sec 1, T.5 S., R.78 W. O. W. J. PENNER



$\Delta = 13^{\circ}50'R$
 $D = 2^{\circ}00'$
 $T = 347.6'$
 $L = 691.7'$
 $R = 2865.0'$

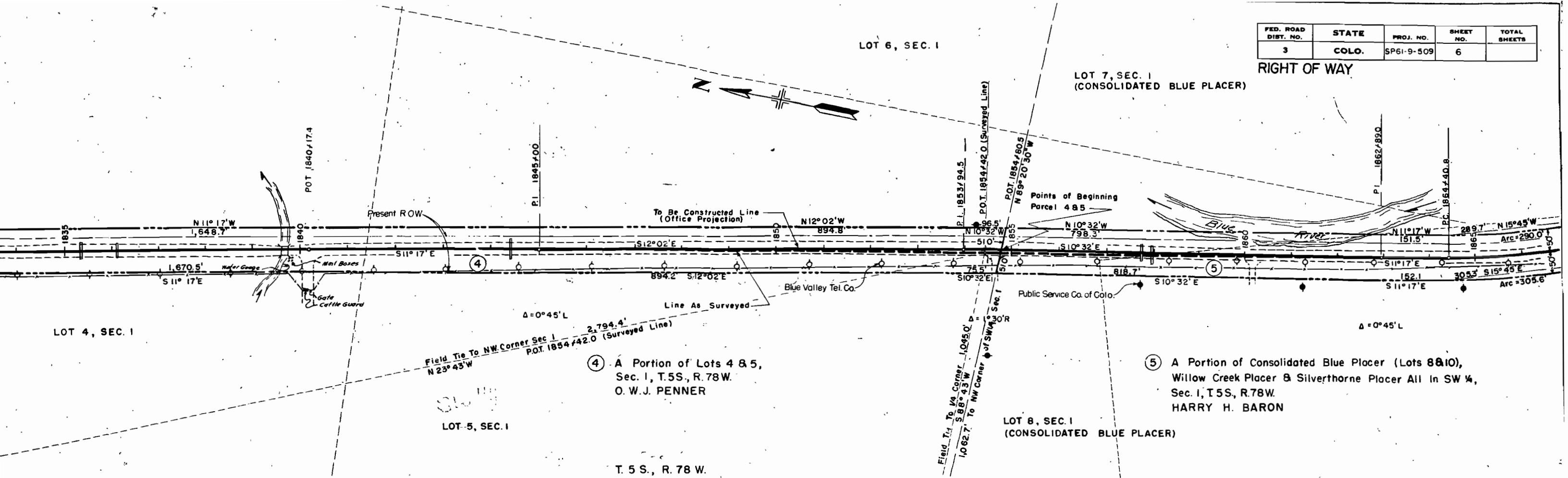


FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-509	6	

LOT 6, SEC. 1

LOT 7, SEC. 1
(CONSOLIDATED BLUE PLACER)

RIGHT OF WAY



LOT 4, SEC. 1

LOT 5, SEC. 1

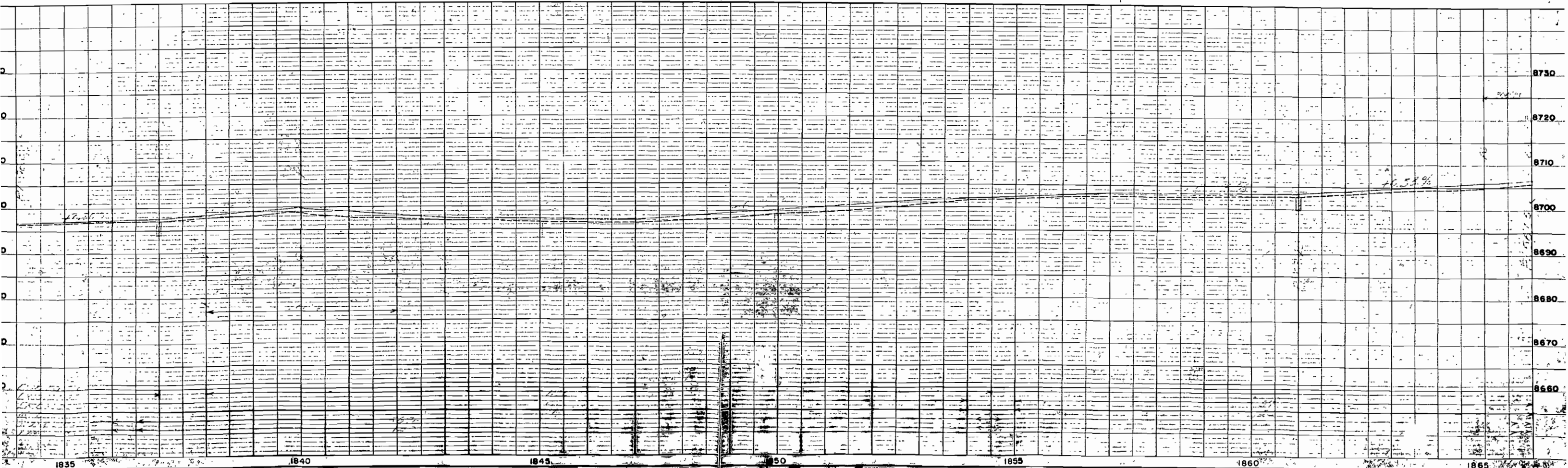
T. 5 S., R. 78 W.

LOT 8, SEC. 1
(CONSOLIDATED BLUE PLACER)

Field Tie To NW Corner Sec 1
N 23° 43' W 2,794.4'
P.O.T. 1854/42.0 (Surveyed Line)

④ A Portion of Lots 4 & 5,
Sec. 1, T. 5 S., R. 78 W.
O. W. J. PENNER

⑤ A Portion of Consolidated Blue Placer (Lots 8 & 10),
Willow Creek Placer & Silverthorne Placer All in SW ¼,
Sec. 1, T. 5 S., R. 78 W.
HARRY H. BARON

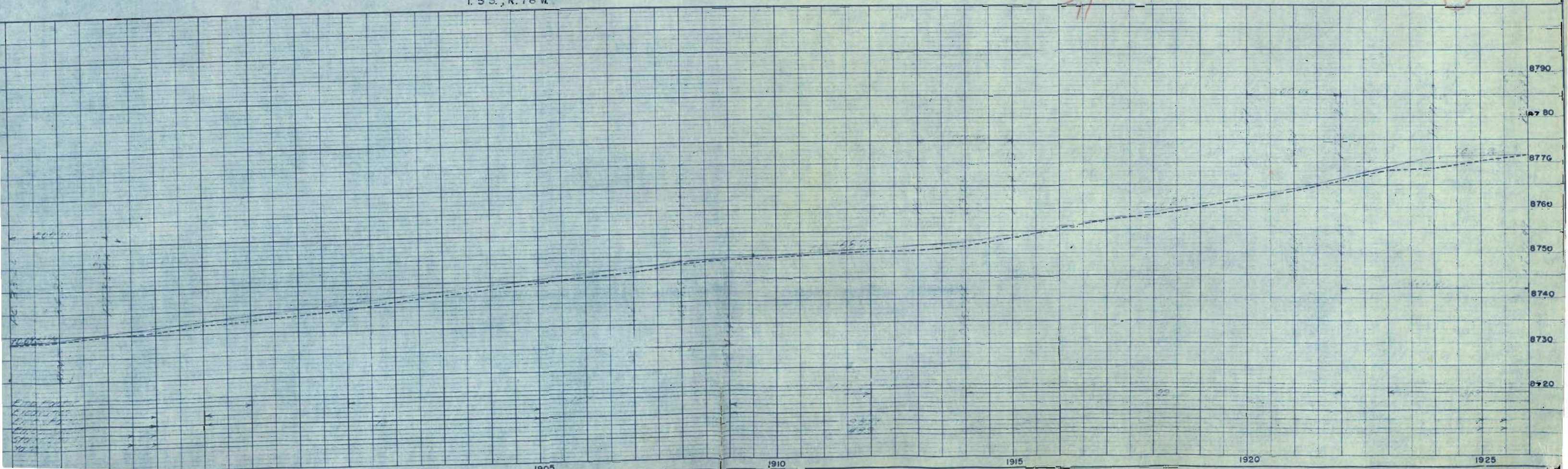
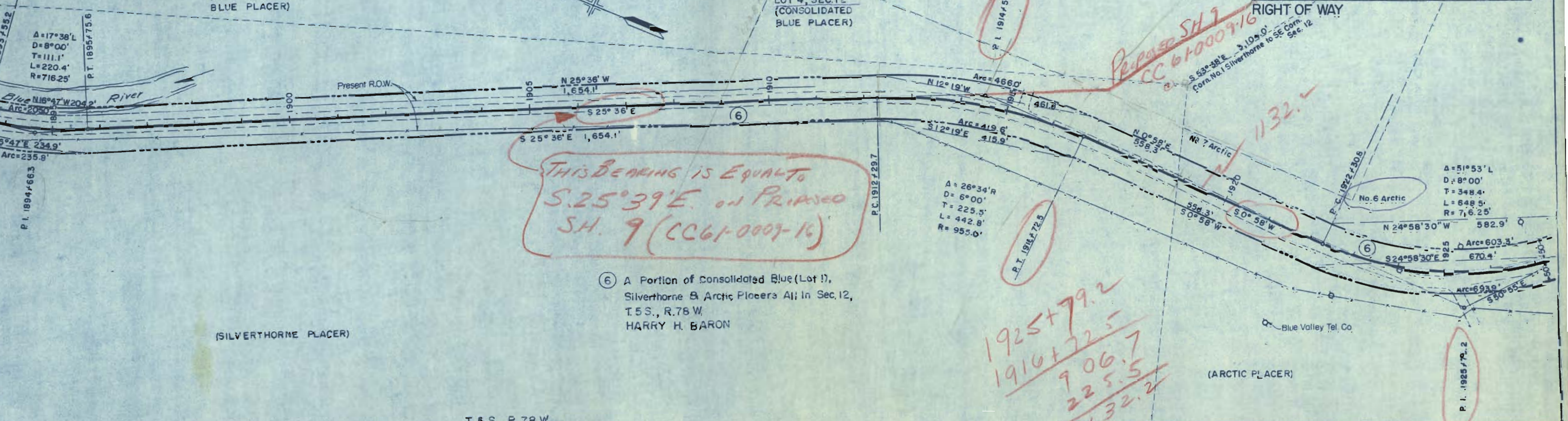


LOT 1, SEC. 12
(CONSOLIDATED
BLUE PLACER)

LOT 4, SEC. 12
(CONSOLIDATED
BLUE PLACER)

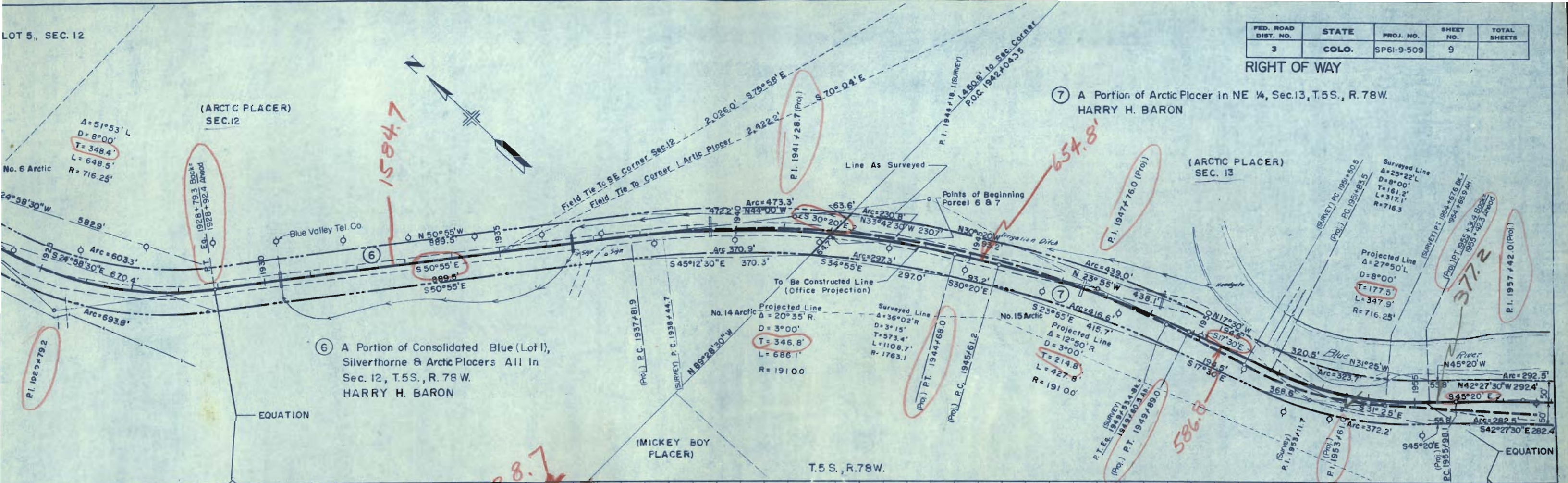
LOT 5, SEC. 12
ROBERT & MYRTLE H. ROUSH

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-509	8	



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-509	9	

RIGHT OF WAY



⑥ A Portion of Consolidated Blue (Lot 1), Silverthorne & Arctic Placers All In Sec. 12, T.5S., R. 78 W. HARRY H. BARON

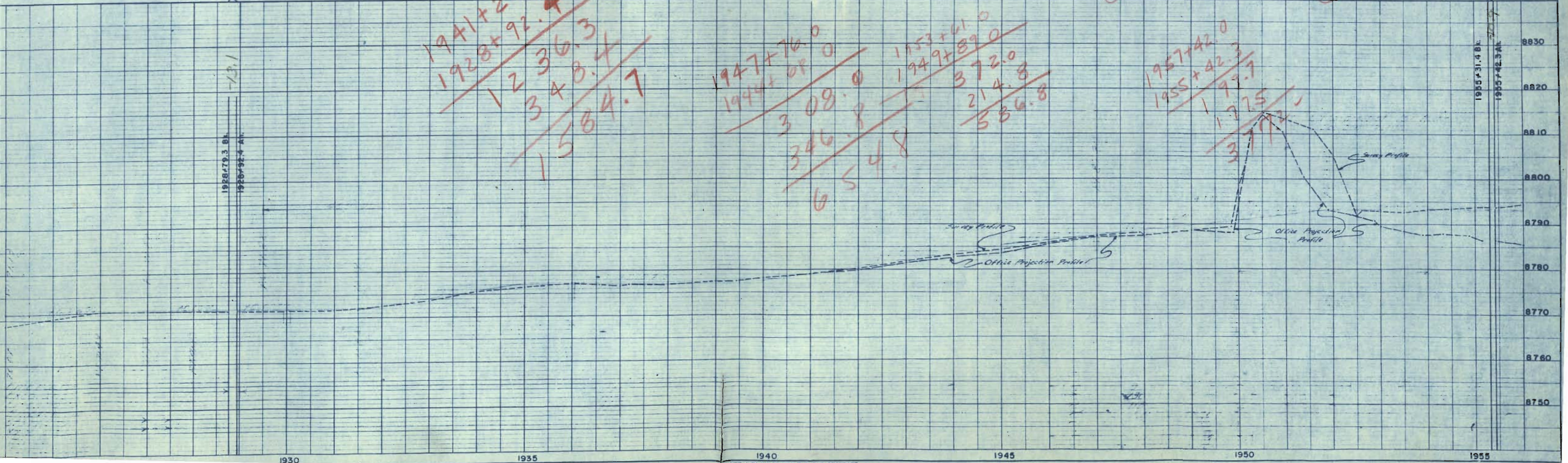
⑦ A Portion of Arctic Placer in NE ¼, Sec.13, T.5S., R. 78 W. HARRY H. BARON

EQUATION

(MICKY BOY PLACER)

T.5 S., R.78 W.

EQUATION



1930

1935

1940

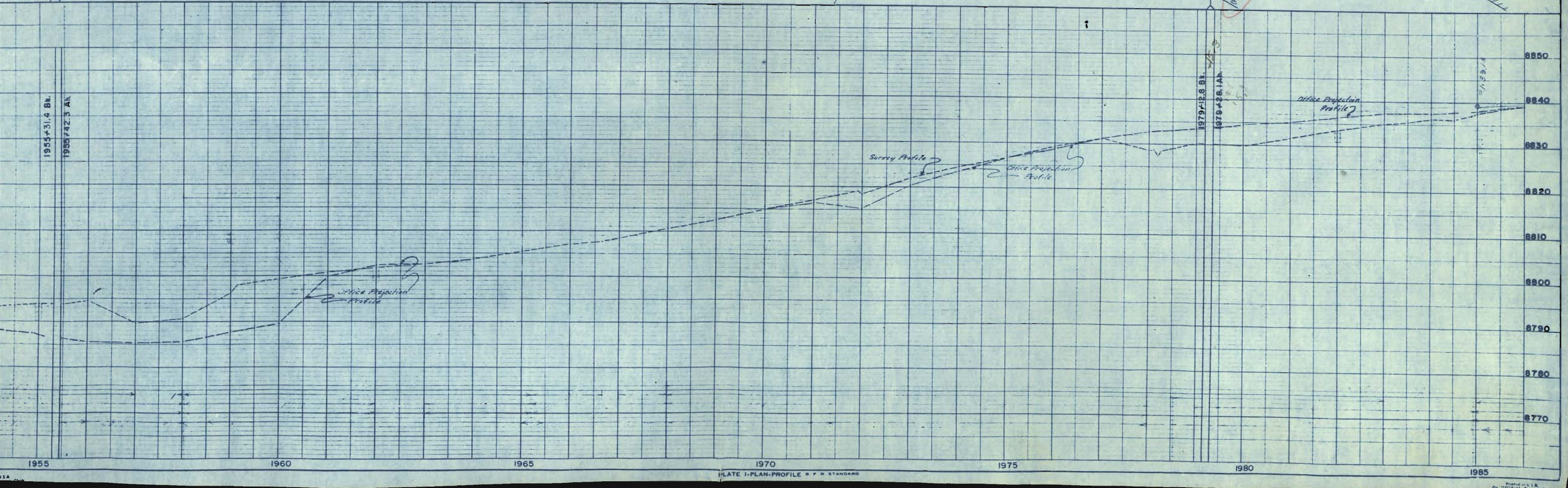
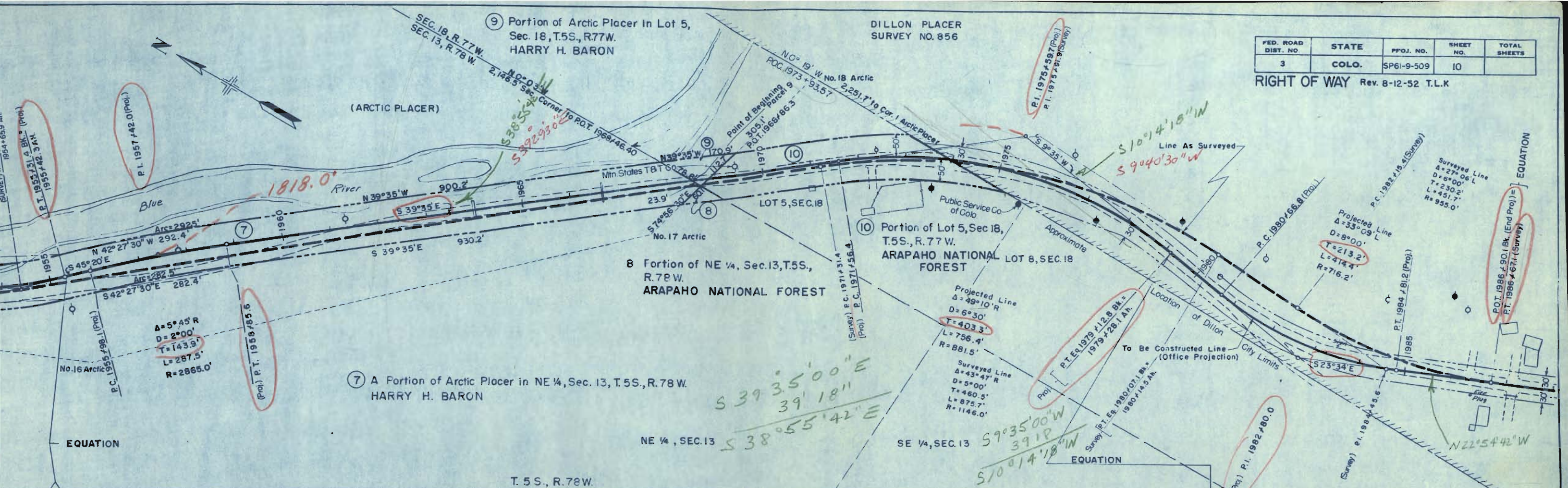
1945

1950

1955

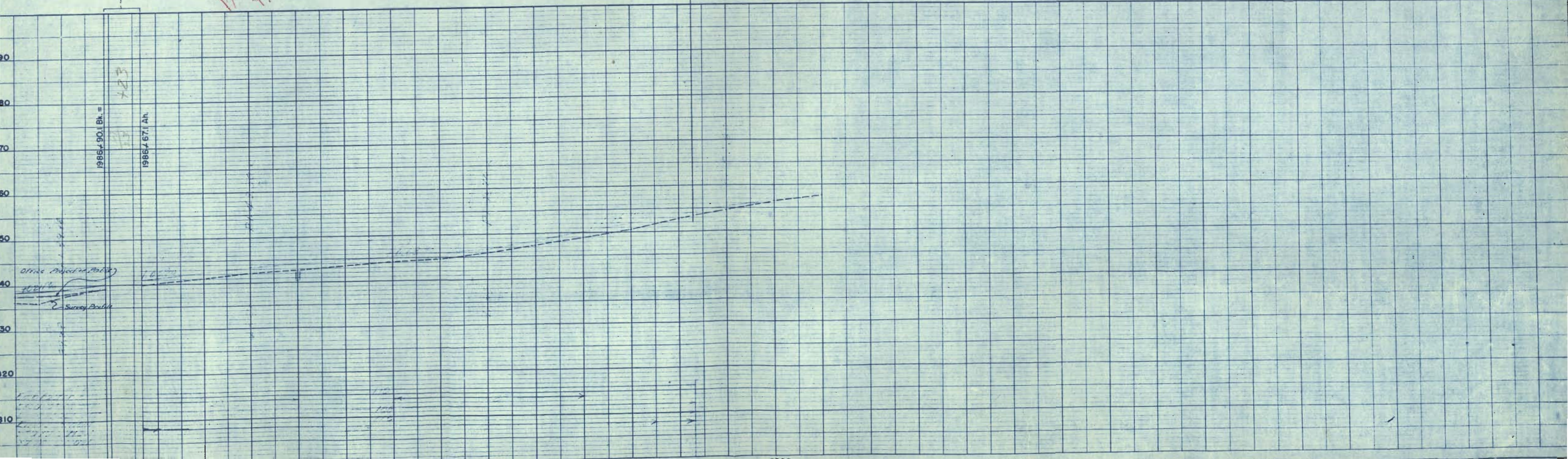
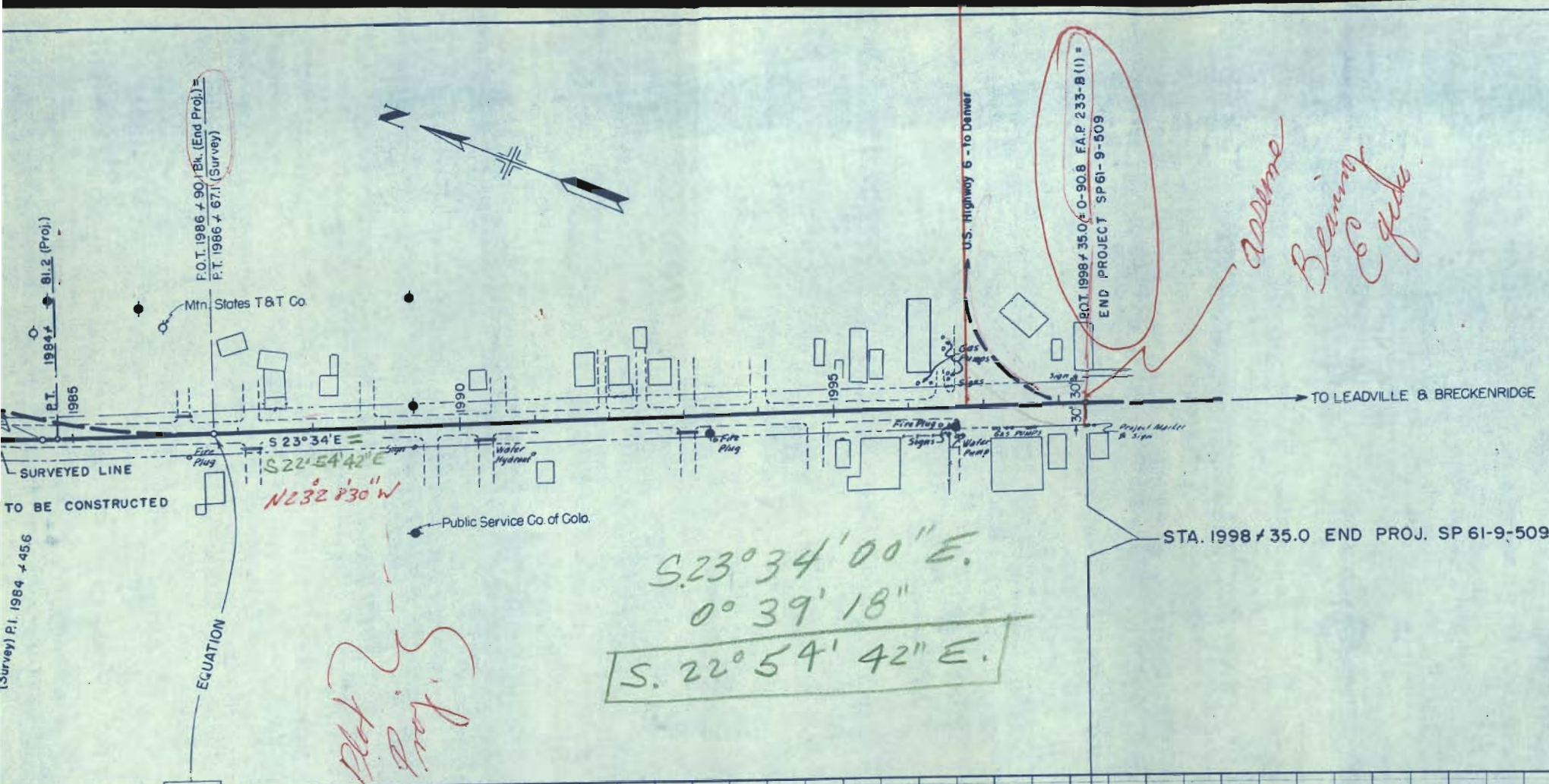
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-509	10	

RIGHT OF WAY Rev. 8-12-52 T.L.K



FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP61-9-509	11	

RIGHT OF WAY

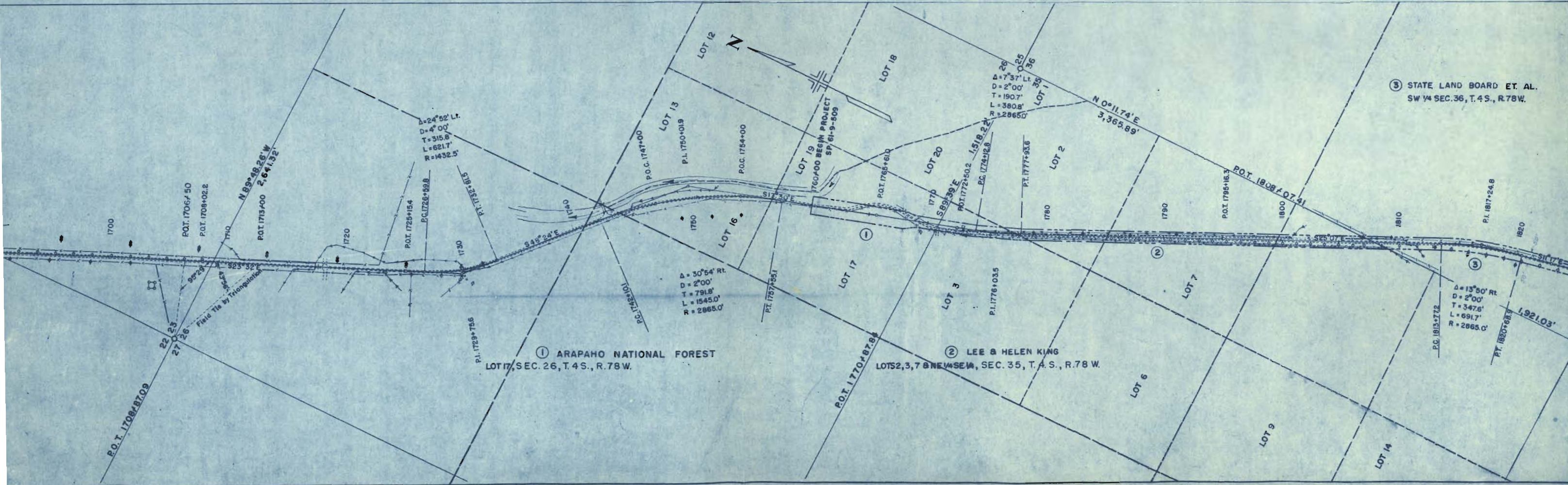
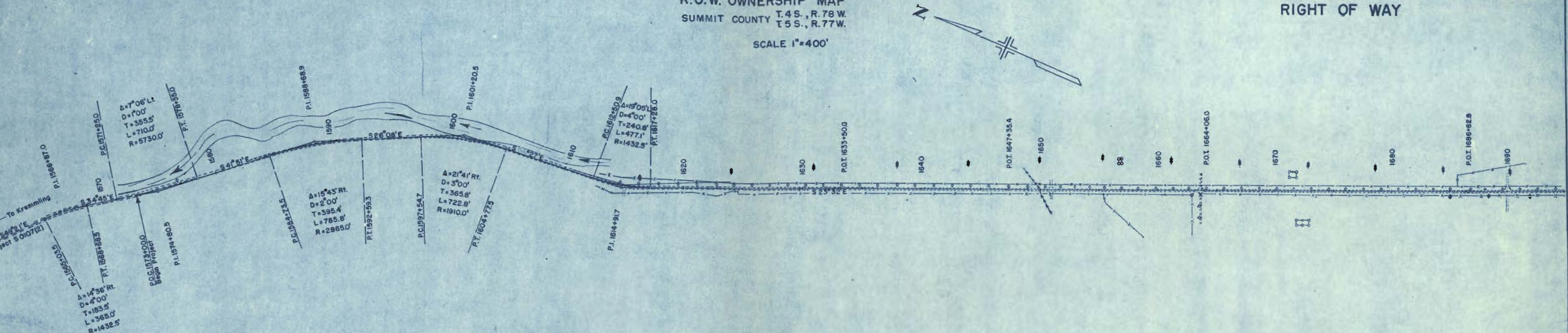


DEPARTMENT OF HIGHWAYS
 PROJECT SP 61-9-509
 R.O.W. OWNERSHIP MAP
 SUMMIT COUNTY T.4S., R.78 W.
 T.5S., R.77 W.

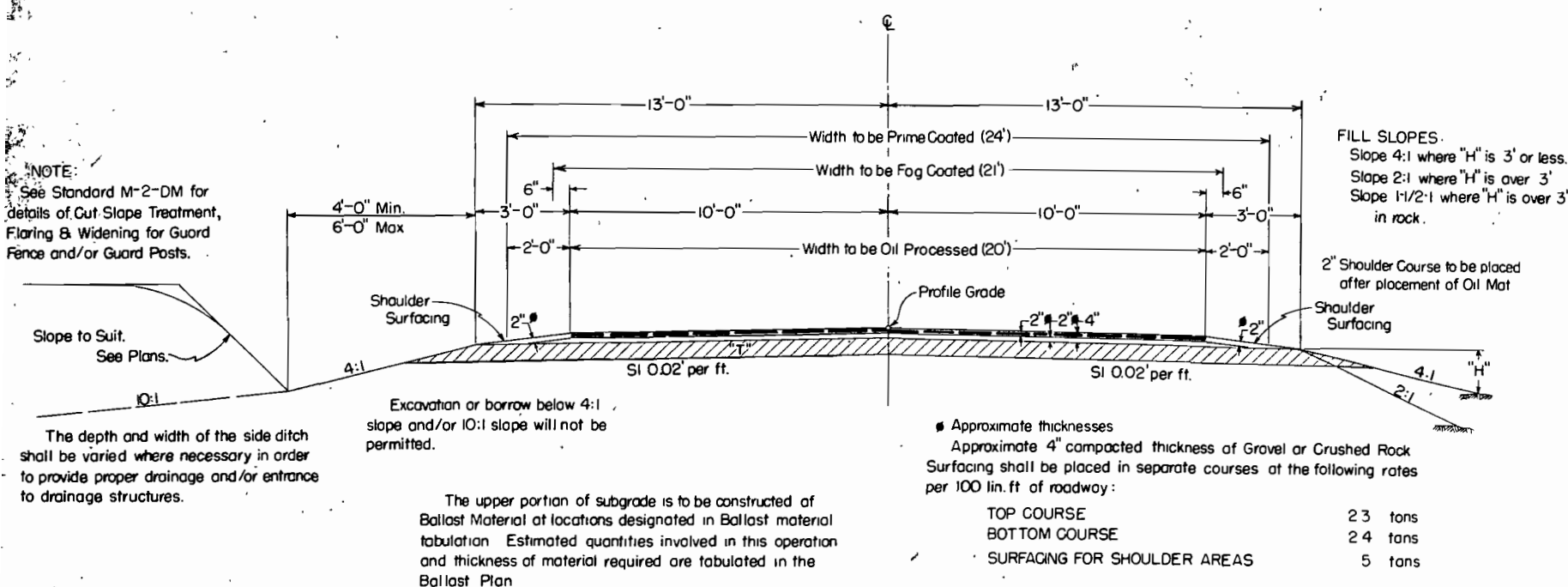
SCALE 1"=400'

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	SP 61-9-509	12	

RIGHT OF WAY



TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES



GENERAL NOTES

- This project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Department adopted January 1, 1948.
- All quantities on preliminary plans are to be considered approximate only.
- All poles encroaching on construction are to be moved by the respective owners at no cost to the project.
- All Corrugated Metal Pipe Culverts shall be laid without headwalls unless otherwise noted on the plans.
- Culverts projecting from embankments shall be covered with approximately 6 inches of embankment material in such a manner that a minimum of pipe shall be exposed in the completed work. This shall be accomplished by warping embankment slopes around and adjacent to the culvert.
- Payment for overhaul will be based on measurement along the centerline of the project.
- Curves on this project over 6 degrees shall be provided with the superelevation shown on the Standard Superelevation sheet for a 6 degree curve. All other curves are to be superelevated and widened as provided by the Standard Superelevation sheet included with the plans.
- It is estimated that rolling of the Oil Mat with Flat Wheeled Roller will be necessary after compaction with Rubber Tired Rollers in order to provide a firm smooth surface.
- Side approach roads to the project (as directed by the Engineer) shall be primed and Fog coated to approximately 50' feet out from edge of the oil mat or to the Right of Way line, whichever is less.
Road approaches Lt. & Rt. Sta. 1996+83 shall be Oil Processed to approximately 50ft out from edge of Oil Mat. It is estimated that old road is to be obliterated at the following locations:
Sta. 1947+ to Sta. 1951+ , Lt.
Sta. 1952+ to Sta. 1960+ , Rt.
- If excavation operations develop materials which will stand on slopes steeper than slope stake lines, the Department reserves the right to change cut slopes during the progress of such excavations.

For preliminary plan quantities of Asphaltic Road Materials, the following rates of application were used:

PRIME COAT MC	0.40	Gals per Sq. Yd
PROCESS OIL MC	0.52	Gals per Sq. Yd per inch
FOG COAT RC	0.10	Gals per Sq. Yd.

Rate of application and grades of oil shall be as determined by the Engineer at time of application.

SUMMARY OF APPROXIMATE QUANTITIES

ITEM NO	ITEM	UNIT	ROADWAY	PROJECT TOTALS
11a	Removal of Bridge, Sta. 1839+	LumpSum	•	•
11b	Removal of 11 Structures	LumpSum	•	•
13c	Unclassified Excavation	Cu Yd	15,000	15,000
13d	Unclassified Ditch Excavation	Cu Yd	200	200
14a	Dry Rock Excavation (Str)	Cu Yd	20	20
14b	Dry Common Excavation (Str)	Cu Yd	170	170
14c	Wet Rock Excavation (Str)	Cu Yd	10	10
14d	Wet Common Excavation (Str)	Cu Yd	20	20
16a	Structure Backfill (Class 1)	Cu Yd	280	280
16d	Mechanical Tamping	Hour	30	30
17ax	Rolling with Tamping Roller (2 Unit)	Hour	100	100
17ay	Rolling with Tamping Roller (4 Unit)	Hour	20	20
17b	Rolling with Flat Wheeled Roller	Hour	110	110
17c	Rolling with Rubber Tired Roller	Hour	70	70
17dx	Furnishing Tamping Roller (2 Unit)	Each	1	1
17dy	Furnishing Tamping Roller (4 Unit)	Each	1	1
17e	Furnishing Flat Wheeled Roller	Each	1	1
17f	Furnishing Rubber Tired Roller	Each	1	1
17g	Wetting	M Gal	1,370	1,370
18a	Station Yard Overhaul	Sta. Yd	30,000	30,000
18b	Yard Mile Overhaul	Yd Mi	1,200	1,200
18c	Ton Mile Overhaul	Ton Mi	23,400	23,400
23a	Ballast (Class 1)	Ton	16,300	16,300
23b	Ballast (Class 2)	Ton	12,100	12,100
26c	Gravel or Crushed Rock Surfacing (Grading C)	Ton	12,100	12,100
30x	Asphaltic Road Material MC (Prime)	Gal.	24,500	24,500
30y	Asphaltic Road Material RC (Fog)	Gal.	5,400	5,400
30z	Asphaltic Road Material MC (Process)(Fortified)	Gal	58,200	58,200
31a	Road Mix Oil Processing	Sq. Yd	49,470	49,470
51b	Relaying 18" Pipe	Lin. Ft	40	40
53b	18" Corrugated Metal Culvert Pipe	Lin Ft	152	152
53c	24" Corrugated Metal Culvert Pipe	Lin Ft	223	223
53d	30" Corrugated Metal Culvert Pipe	Lin Ft	50	50
53g	48" Corrugated Metal Culvert Pipe	Lin Ft.	184	184
63	Grouted Rubble Slope & Ditch Paving (12" thick)	Sq Yd	110	110
81b	Right of Way Markers	Each	8	8
92	Timber Guard Posts	Each	117	117
FORCE ACCOUNT				
20a	Obliterating Old Road	LumpSum	•	•
WORK BY STATE FORCES				
81a	Project Marker	Each	1	1
Signing and Striping Entire Project		LumpSum	• /	•

