



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001096

Description:

ROW Plans 24X36

Route # and Mile Points:

SH 149

Originating Office:

ROW/Survey

File Name:

S 0117(1)_ROW(.PDF)

Box Location:

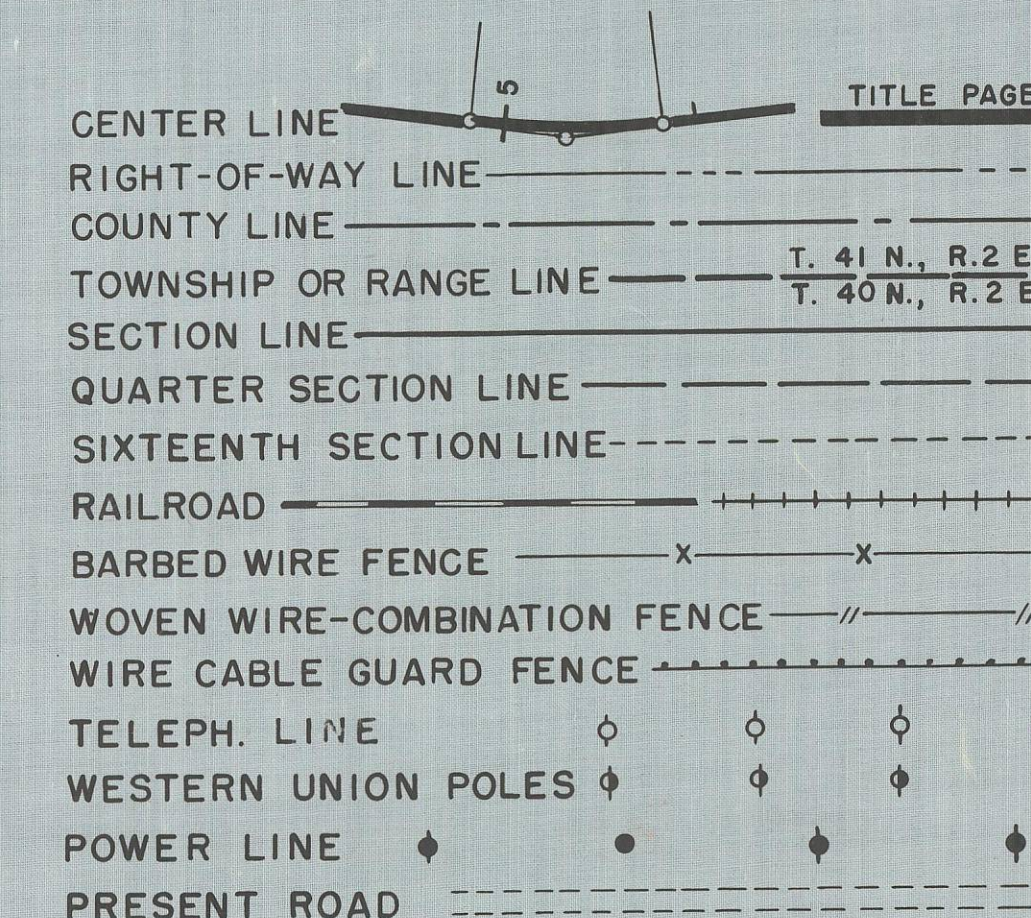
21 (TUBE-7)of 38

S O 117 (D)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117 (I)	1	

RIGHT OF WAY

CONVENTIONAL SIGNS



INDEX OF SHEETS

- SHEET NO. 1. SKETCH MAP AND TITLE PAGE
- 2. TABULATION OF PROPERTIES
- 3-8. ALIGNMENT PLAN AND PROFILE SHEETS SHOWING RIGHT OF WAY
- 9-10. OWNERSHIP MAP

COLORADO

STATE HIGHWAY DEPARTMENT

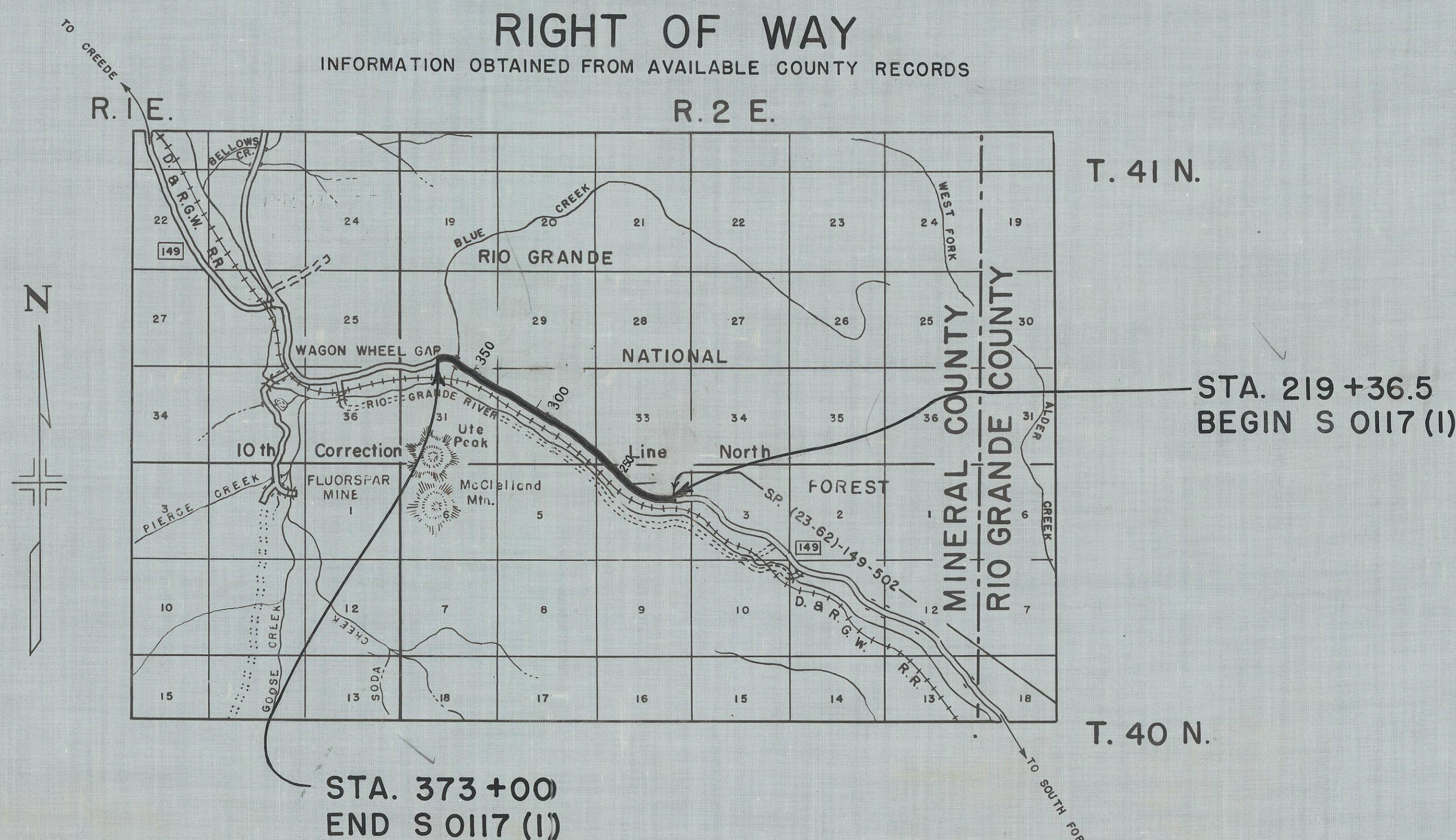
PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0117 (I) STATE HIGHWAY NO. 149 MINERAL COUNTY

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 } = 15,366.5 Ft. = 2.910 MI.
NET LENGTH OF PROJECT }

RIGHT OF WAY

INFORMATION OBTAINED FROM AVAILABLE COUNTY RECORDS



MICROFILMED

R.O.W. TABULATION OF PROPERTIES IN

MINERAL COUNTY S.H.No. 149 PROJ. S 0117 (I)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117 (I)	2	

RIGHT OF WAY Rev. 4-4-52 T.L.K.
Rev. 9-4-52 T.L.K.

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES			REMARKS	NO.
				TOTAL LAND IN TRACT	PARCEL	TO BE ACQUIRED		
1 Rev.	Denver & Rio Grande Western Railroad		NE 1/4 Sec. 4, T.40 N., R.2 E. N.M.P.M.		1.439 ✓	1.439 ✓		
			T.41 N. R.2 E. N.M.P.M.					
2 Rev.	Denver & Rio Grande Western Railroad		S. 1/2, Sec 33.		0.285 ✓	0.285 ✓		
3	Denver & Rio Grande Western Railroad		SW 1/4, Sec 33		1.104	1.104		
4 Rev.	Denver & Rio Grande Western Railroad		NE 1/4, SE 1/4, Sec 32		1.363 ✓	1.363 ✓		
5 Rev.	Denver & Rio Grande Western Railroad		NW 1/4, SE 1/4, Sec. 32		0.238 ✓	0.238 ✓		
6	Denver & Rio Grande Western Railroad		NE 1/4, Sec. 32		0.279	0.279		
7	Denver & Rio Grande Western Railroad		S 1/2, NW 1/4 32		2.672	2.672		
8	Denver & Rio Grande Western Railroad		N 1/2, NW 1/4, Sec 32		1.765	1.765		
9	Denver & Rio Grande Western Railroad		N 1/2, NE 1/4, Sec 31		1.464	1.464		
10	Denver & Rio Grande Western Railroad		SE 1/4, SE 1/4, Sec. 30		2.091	2.091		
11 Rev.	Denver & Rio Grande Western Railroad		SW 1/4, SE 1/4, Sec 30		2.078	2.078		
12	Denver & Rio Grande Western Railroad		NW 1/4, SE 1/4, Sec. 30		0.772	0.772		
13	Denver & Rio Grande Western Railroad		SE 1/4, SW 1/4, Sec. 30		0.343	0.343		
14	Arthur G. Sharp & Geneva M. Sharp	Wagon Wheel Gap, Colo.	SW 1/4, SW 1/4, Sec 33		0.680	0.680		
15	Arthur G. Sharp & Geneva M. Sharp	Wagon Wheel Gap, Colo.	N.W. 1/4, SE. 1/4, Sec. 32		0.254	0.254		
16	Arthur G. Sharp & Geneva M. Sharp	Wagon Wheel Gap, Colo.	S 1/2, NW 1/4 Sec 32		2.757	2.757		
17	Howard H. Hampton	Wagon Wheel Gap, Colo.	N 1/2, NE 1/4, Sec. 31		0.987	0.987		
18	Howard H. Hampton	Wagon Wheel Gap, Colo.	SW 1/4, SE 1/4, Sec. 30		1.124	1.124		
19 Rev.	Howard H. Hampton	Wagon Wheel Gap, Colo.	SW 1/4, SE 1/4 & SE 1/4,		1.098	1.098		
19A	Deleted							

MICROFILMED

NW 1/4 SEC. 4

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	3	

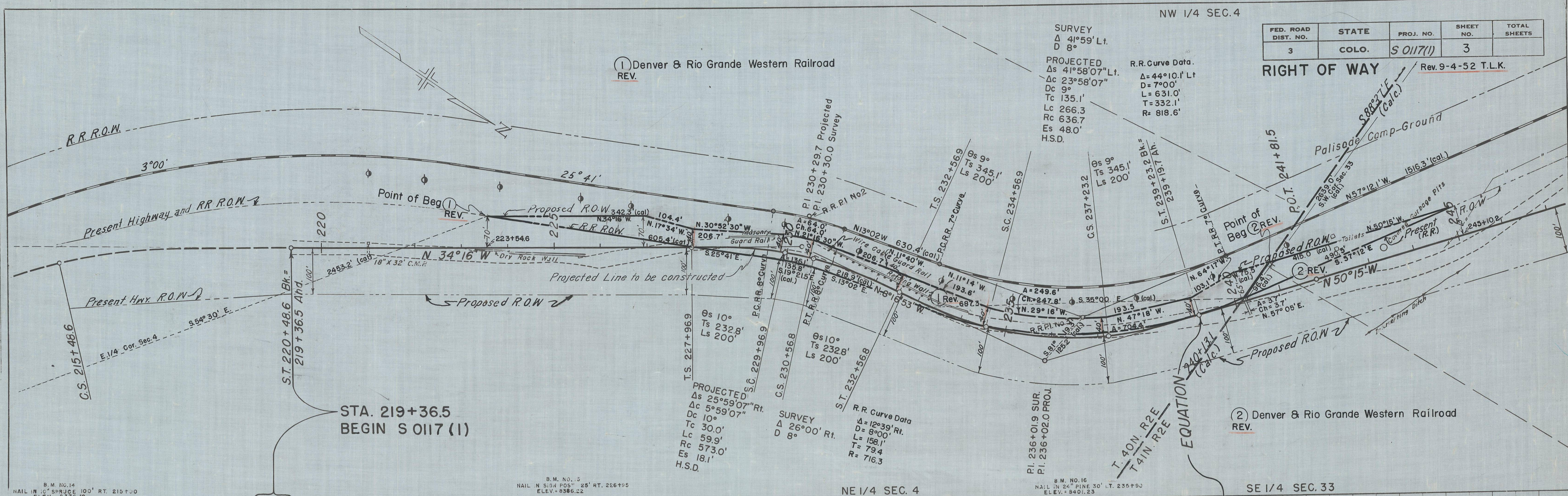
RIGHT OF WAY Rev. 9-4-52 T.L.K.

1) Denver & Rio Grande Western Railroad REV.

SURVEY
 Δ 41°58'07" Lt.
 D 8°

PROJECTED
 Δ s 41°58'07" Lt.
 Δ c 23°58'07"
 D c 9°
 T c 135.1'
 L c 266.3
 R c 636.7
 E s 48.0'
 H.S.D.

R.R. Curve Data.
 Δ = 44°10.1' Lt
 D = 7°00'
 L = 631.0'
 T = 332.1'
 R = 818.6'



STA. 219+36.5 BEGIN S 0117 (1)

PROJECTED
 Δ s 25°59'07" Rt.
 Δ c 5°59'07"
 D c 10°
 T c 30.0'
 L c 59.9'
 R c 573.0'
 E s 18.1'
 H.S.D.

SURVEY
 Δ 26°00' Rt.
 D 8°

R.R. Curve Data
 Δ = 12°39' Rt.
 D = 8°00'
 L = 158.1'
 T = 79.4'
 R = 716.3

2) Denver & Rio Grande Western Railroad REV.

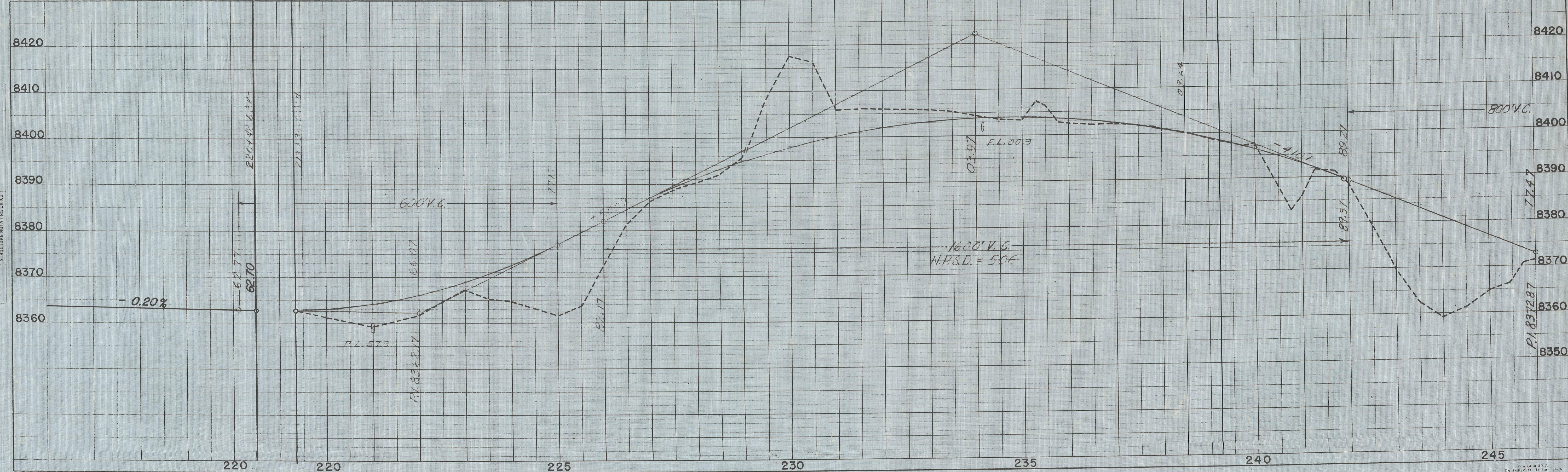
B.M. NO. 14 NAIL IN 10" SPRUCE 100' RT. 215+00 ELEV. = 8370.70

B.M. NO. 13 NAIL IN SIGN POST 25' RT. 226+95 ELEV. = 8386.22

NE 1/4 SEC. 4

B.M. NO. 16 NAIL IN 24" PINE 30' LT. 236+90 ELEV. = 8401.23

SE 1/4 SEC. 33



DATE: _____ BY: _____
 PLAN
 SURVEYED: _____
 NOTE BOOK: _____
 ALIGNED: _____
 CHECKED: _____
 RT. OF WAY: _____
 V.L. 10/25/56

DATE: _____ BY: _____
 PROFILE
 SURVEYED: _____
 PLOTTED: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS CHKD: _____
 NO. _____

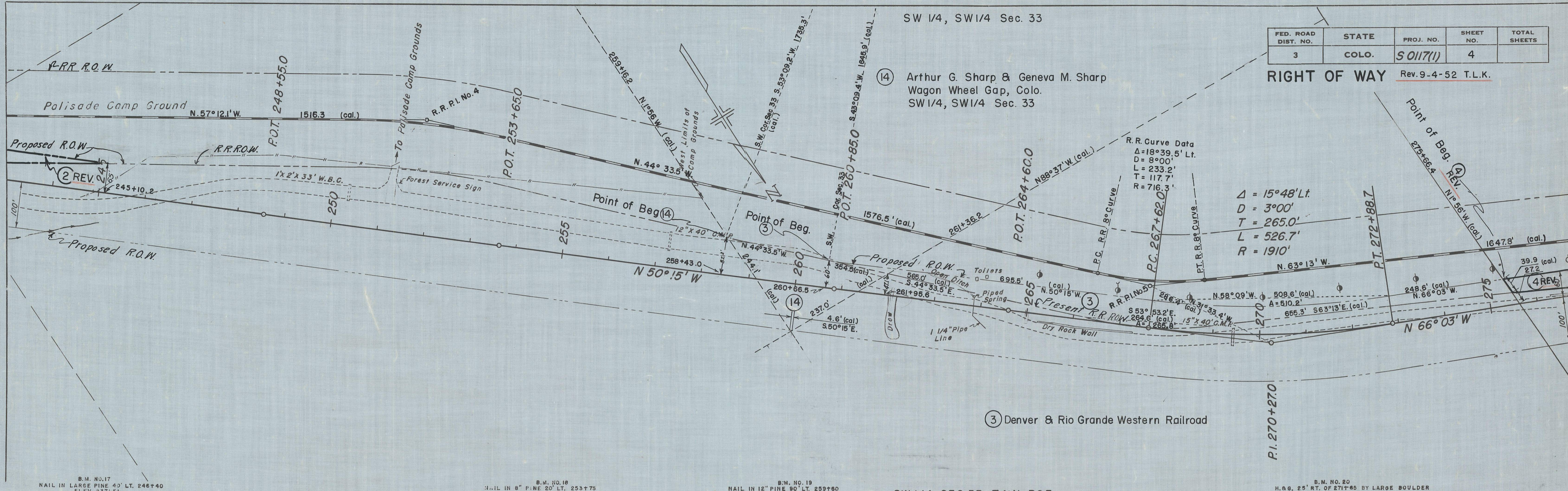
MICROFILMED

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	4	

RIGHT OF WAY Rev. 9-4-52 T.L.K.

SW 1/4, SW1/4 Sec. 33

(14) Arthur G. Sharp & Geneva M. Sharp
Wagon Wheel Gap, Colo.
SW 1/4, SW1/4 Sec. 33



R.R. Curve Data
 $\Delta = 18^\circ 39' 51''$ Lt.
 $D = 8^\circ 00'$
 $L = 233.2'$
 $T = 117.7'$
 $R = 716.3'$

$\Delta = 15^\circ 48'$ Lt.
 $D = 3^\circ 00'$
 $L = 265.0'$
 $R = 1910'$

(3) Denver & Rio Grande Western Railroad

B.M. NO. 17 NAIL IN LARGE PINE 40' LT. 246+40 ELEV. 8371.51
 B.M. NO. 18 NAIL IN 8" PINE 20' LT. 253+75 ELEV. 8381.59
 B.M. NO. 19 NAIL IN 12" PINE 90' LT. 259+60 ELEV. 8373.87
 B.M. NO. 20 H.G. 25' RT. OF 271+65 BY LARGE BOULDER ELEV. 8385.94

SW 1/4 SEC. 33 T41N. R2E

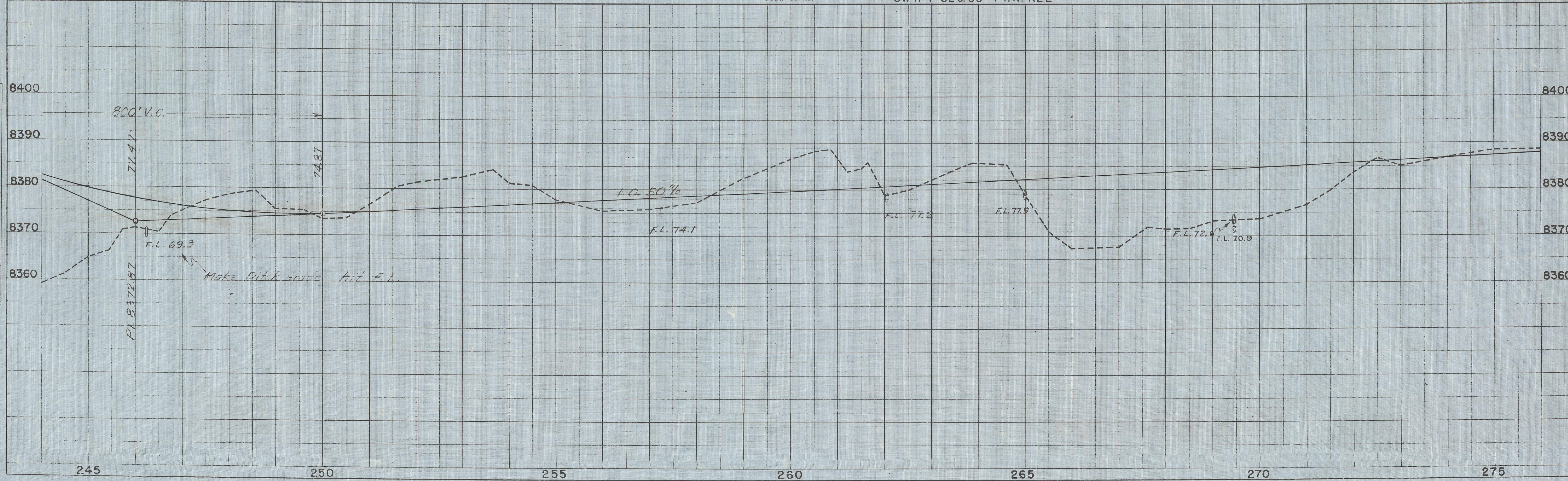


PLATE I-PLAN-PROFILE R. P. R. STANDARD
 ENGINEER-DITZGEN CO. CHICAGO, ILL.



DATE _____ BY _____
 PLAN NO. 15347
 SURVEYED _____
 NOTE BOOK _____
 ALIGNMENT CHECKED _____
 RT. OF WAY CHECKED _____

MICROFILMED

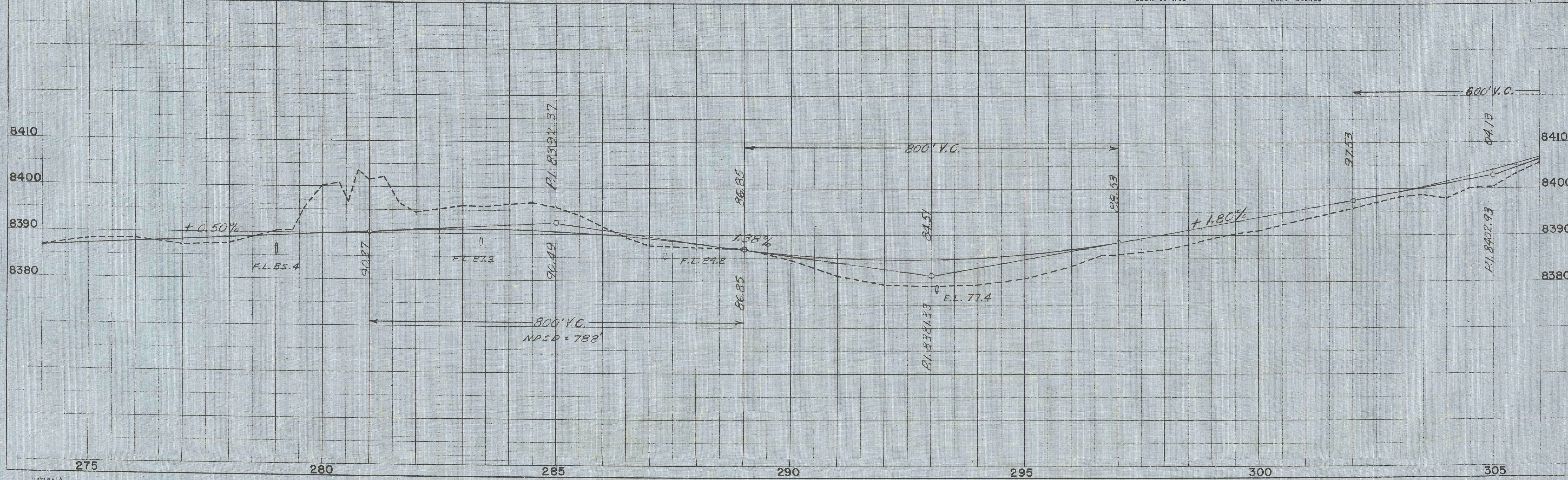
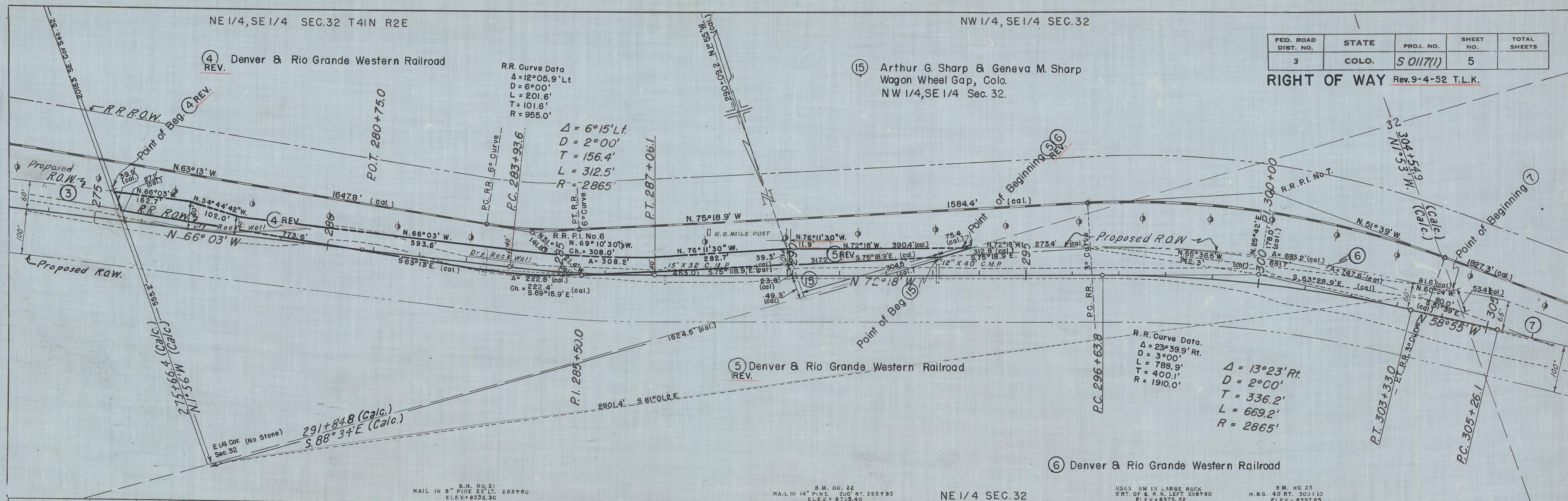
DATE _____ BY _____
 PROFILE NO. _____
 SURVEYED _____
 NOTE BOOK _____
 GRADES CHECKED _____
 B.M.'S NOTED _____
 STRUCTURE NOTATIONS OK'D _____



MICROFILMED

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	5	

RIGHT OF WAY Rev. 9-4-52 T.L.K.

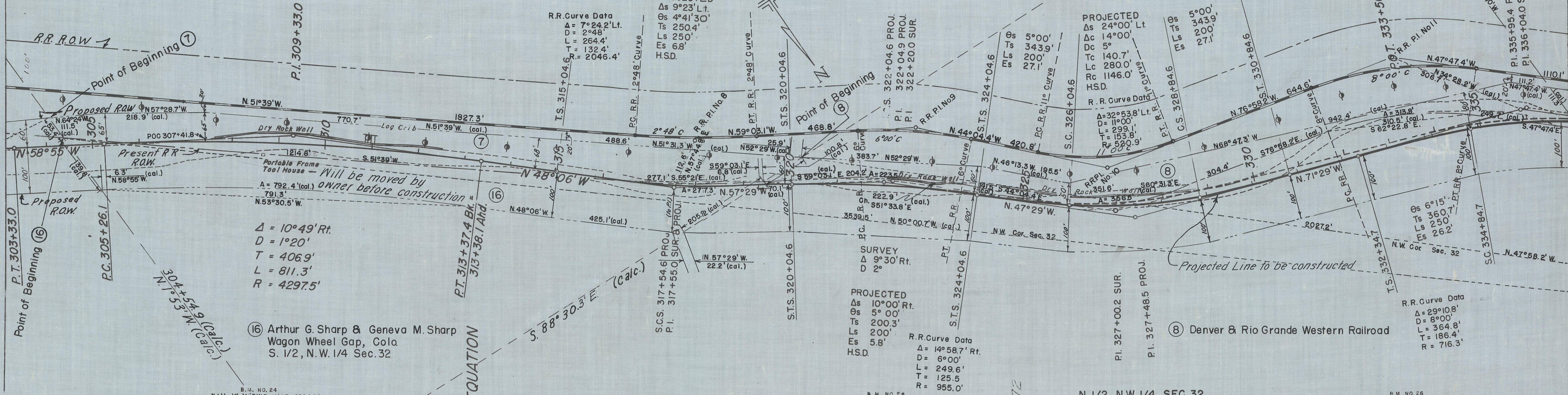


S. 1/2, N.W. 1/4, SEC. 32, T. 41N., R. 2E.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	6	

⑦ Denver & Rio Grande Western Railroad

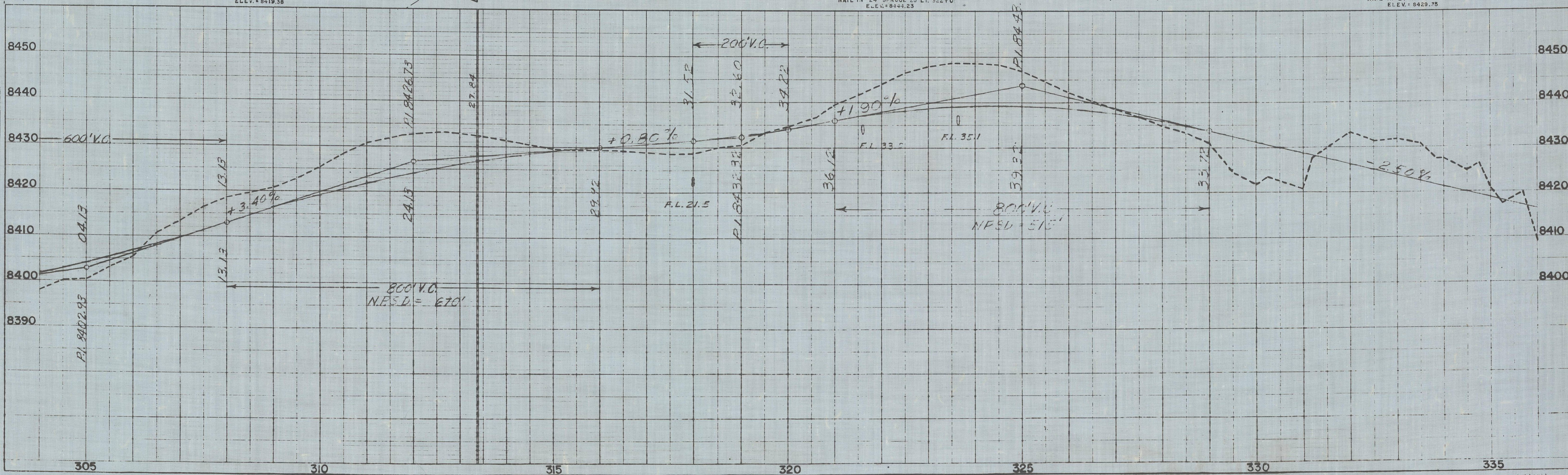
RIGHT OF WAY



⑩ Arthur G. Sharp & Geneva M. Sharp
 Wagon Wheel Gap, Colo
 S. 1/2, N.W. 1/4 Sec. 32

⑧ Denver & Rio Grande Western Railroad

MICROFILMED



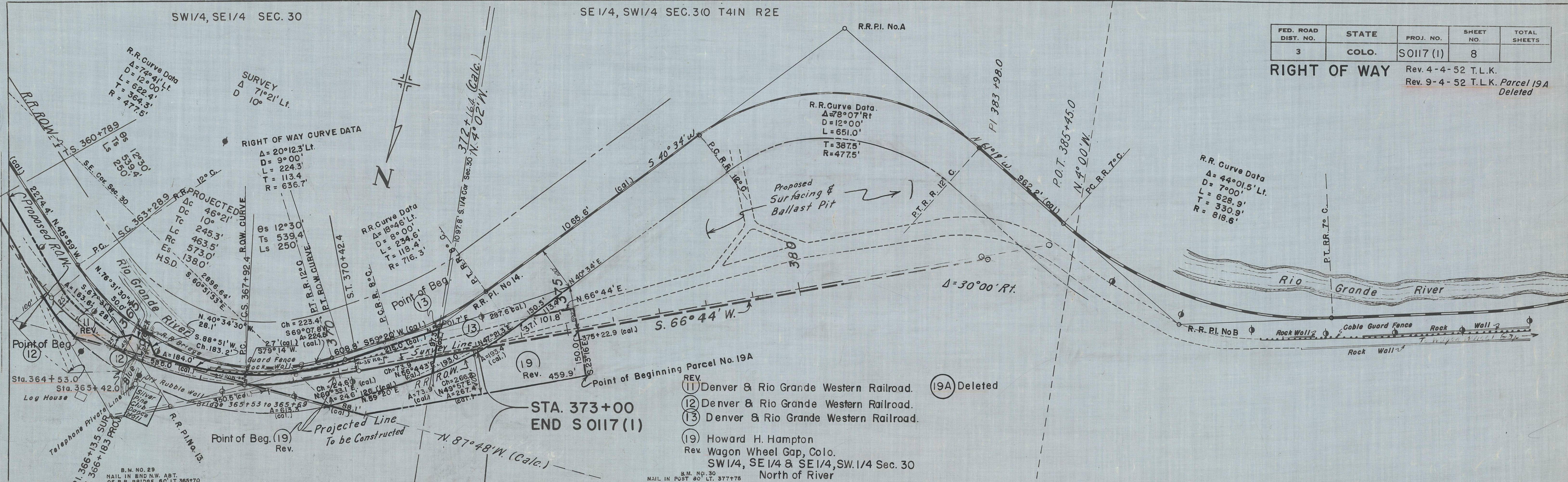
SW1/4, SE1/4 SEC. 30

SE1/4, SW1/4 SEC. 30 T41N R2E

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0117 (1)	8	

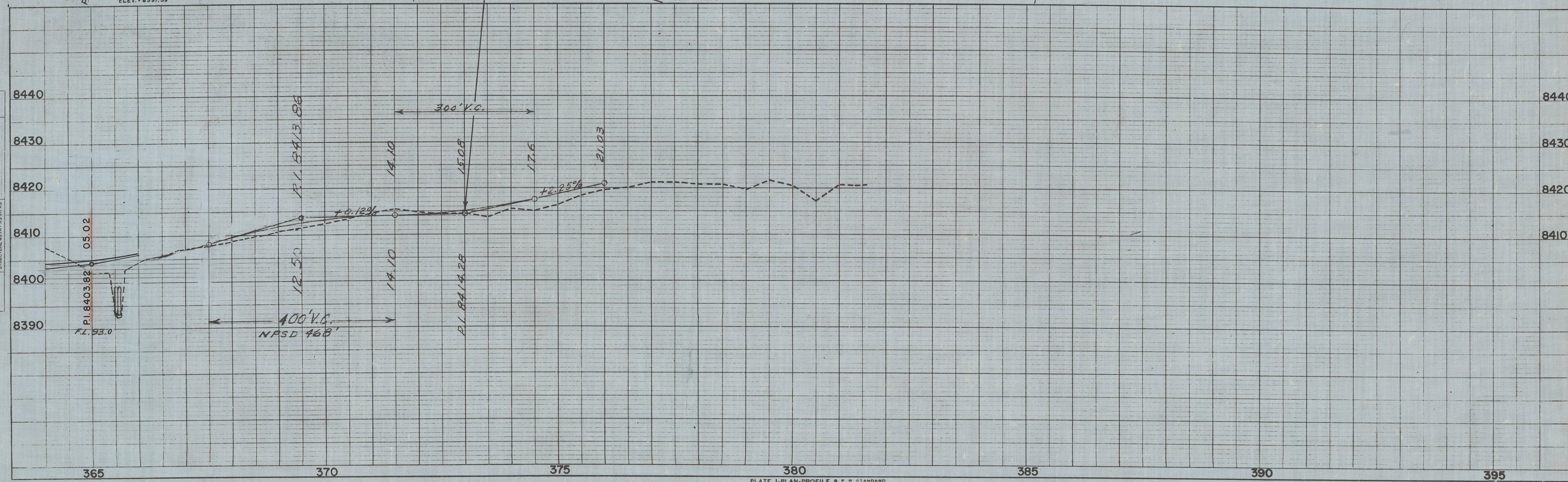
RIGHT OF WAY Rev. 4-4-52 T.L.K.
 Rev. 9-4-52 T.L.K. Parcel 19A Deleted

PLAN
 SURVEYED
 PLOTTED
 CHECKED
 REVISIONS
 NO. 16256



- Point of Beginning Parcel No. 19A
- REV. (11) Denver & Rio Grande Western Railroad. (19A) Deleted
 - (12) Denver & Rio Grande Western Railroad.
 - (13) Denver & Rio Grande Western Railroad.
 - (19) Howard H. Hampton
 Rev. Wagon Wheel Gap, Colo.
 SW1/4, SE1/4 & SW1/4, SW1/4 Sec. 30
 North of River

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 STRUCTURE NOTATIONS CHECKED
 NO.

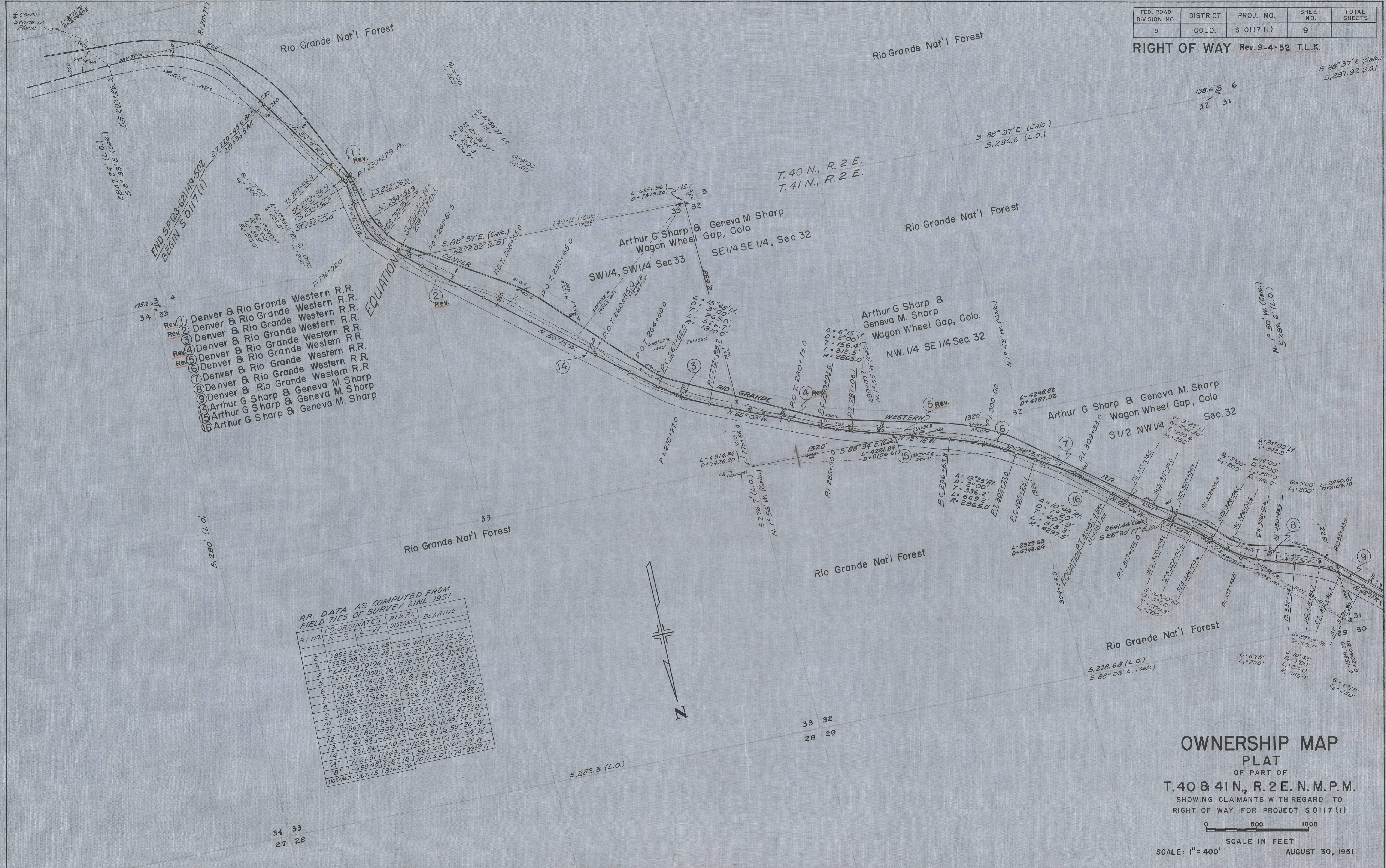


MICROFILMED

FED. ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0117 (1)	9	

RIGHT OF WAY Rev. 9-4-52 T.L.K.

MICROFILMED



- Rev. 1 Denver & Rio Grande Western R.R.
- Rev. 2 Denver & Rio Grande Western R.R.
- Rev. 3 Denver & Rio Grande Western R.R.
- Rev. 4 Denver & Rio Grande Western R.R.
- Rev. 5 Denver & Rio Grande Western R.R.
- Rev. 6 Denver & Rio Grande Western R.R.
- Rev. 7 Denver & Rio Grande Western R.R.
- Rev. 8 Denver & Rio Grande Western R.R.
- Rev. 9 Arthur G. Sharp & Geneva M. Sharp
- Rev. 10 Arthur G. Sharp & Geneva M. Sharp
- Rev. 11 Arthur G. Sharp & Geneva M. Sharp
- Rev. 12 Arthur G. Sharp & Geneva M. Sharp
- Rev. 13 Arthur G. Sharp & Geneva M. Sharp
- Rev. 14 Arthur G. Sharp & Geneva M. Sharp
- Rev. 15 Arthur G. Sharp & Geneva M. Sharp
- Rev. 16 Arthur G. Sharp & Geneva M. Sharp

RR. DATA AS COMPUTED FROM FIELD TIES OF SURVEY LINE, 1951

P.I. NO.	CO-ORDINATES		P.I. TO P.I. DISTANCE	BEARING
	N-S	E-W		
2	7893.24	10613.65	630.40	N 13° 02' W
3	7279.08	10271.48	1516.33	N 57° 12' W
4	6457.73	9196.87	1576.50	N 44° 33' W
5	5334.40	8090.76	1647.77	N 63° 12' W
6	4591.87	6619.78	1584.36	N 75° 18' W
7	4190.23	5087.17	1821.29	N 51° 38' W
8	3056.45	3652.16	468.83	N 59° 03' W
9	2815.35	2252.08	420.81	N 76° 58' W
10	2513.02	2295.38	644.61	N 76° 58' W
11	2367.69	2331.37	1110.14	N 47° 47' W
12	1621.82	1509.13	2274.42	N 45° 59' W
13	41.34	-126.42	608.81	S 59° 20' W
14	-351.86	-650.09	1065.56	S 40° 34' W
15	-1161.31	1343.06	962.20	N 61° 19' W
16	-699.48	2187.18	1011.60	S 74° 39' W
17	-967.15	3162.76		

OWNERSHIP MAP PLAT
 OF PART OF
T. 40 & 41 N., R. 2 E. N.M.P.M.
 SHOWING CLAIMANTS WITH REGARD TO
 RIGHT OF WAY FOR PROJECT S 0117 (1)

SCALE: 1" = 400'
 AUGUST 30, 1951

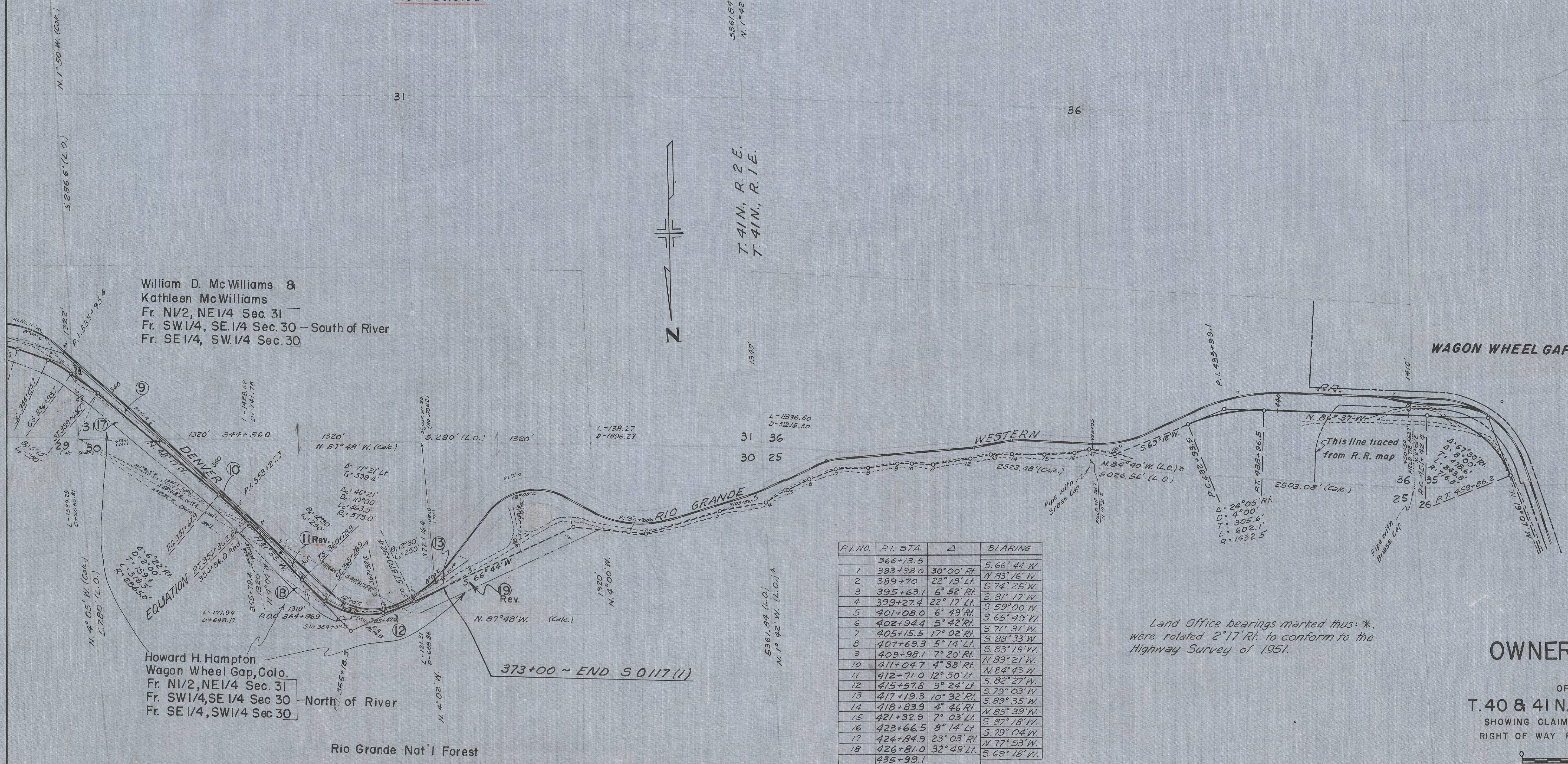
FED. ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0117 (1)	10	

RIGHT OF WAY Rev. 4-4-52 T.L.K.
Rev. 9-4-52 T.L.K.

- ⑨ Denver & Rio Grande Western R.R.
- ⑩ Denver & Rio Grande Western R.R.
- Rev. ⑪ Denver & Rio Grande Western R.R.
- ⑫ Denver & Rio Grande Western R.R.
- ⑬ Denver & Rio Grande Western R.R.
- ⑭ Howard H. Hampton
- ⑮ Howard H. Hampton
- Rev. ⑯ Howard H. Hampton
- 19A Deleted



MICROFILMED



R.I. NO.	P.I. STA.	Δ	BEARING
	366+13.5		S. 66° 44' W
1	383+98.0	30° 00' RH	N. 83° 16' W
2	389+70	22° 19' LH	S. 74° 25' W
3	395+63.1	6° 52' RH	S. 81° 17' W
4	399+27.4	22° 17' LH	S. 59° 00' W
5	401+08.0	6° 49' RH	S. 65° 49' W
6	402+94.4	5° 42' RH	S. 71° 31' W
7	405+15.5	17° 02' RH	S. 88° 33' W
8	407+69.3	5° 14' LH	S. 83° 19' W
9	409+98.1	7° 20' RH	N. 89° 21' W
10	411+04.7	4° 38' RH	N. 84° 43' W
11	412+71.0	12° 50' LH	S. 82° 27' W
12	415+57.8	3° 24' LH	S. 79° 03' W
13	417+19.3	10° 32' RH	S. 89° 35' W
14	418+83.9	4° 46' RH	N. 85° 39' W
15	421+32.9	7° 03' LH	S. 87° 18' W
16	423+66.5	8° 14' LH	S. 79° 04' W
17	424+84.9	23° 03' RH	N. 77° 53' W
18	426+81.0	32° 49' LH	S. 69° 18' W
	435+99.1		

Land Office bearings marked thus: *, were rotated 2°17' R. to conform to the Highway Survey of 1951.

OWNERSHIP MAP
PLAT
OF PART OF
T.40 & 41 N., R.2 E. N.M.P.M.
SHOWING CLAIMANTS WITH REGARD TO
RIGHT OF WAY FOR PROJECT S 0117 (1)

0 500 1000
SCALE IN FEET
SCALE: 1" = 400'
AUGUST 31, 1951



COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001749

Description:

ROW Plans 11X17

Route # and Mile Points:

SH 149

Originating Office:

ROW/Survey

File Name:

S 0117(1)_ROW(.PDF)

Box Location:

28 of 38

Office Copy

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117 (I)	1	

RIGHT OF WAY

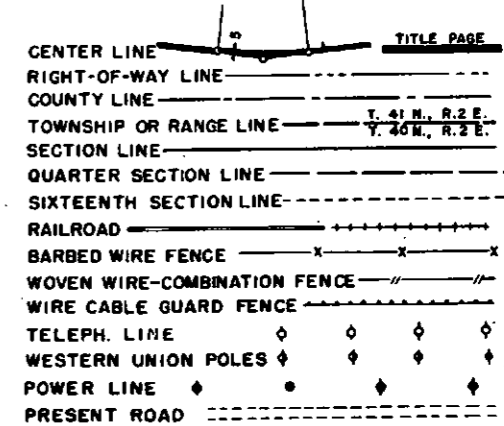
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- SHEETS SHOWING RIGHT OF WAY
- 9-10 OWNERSHIP MAP

COLORADO STATE HIGHWAY DEPARTMENT

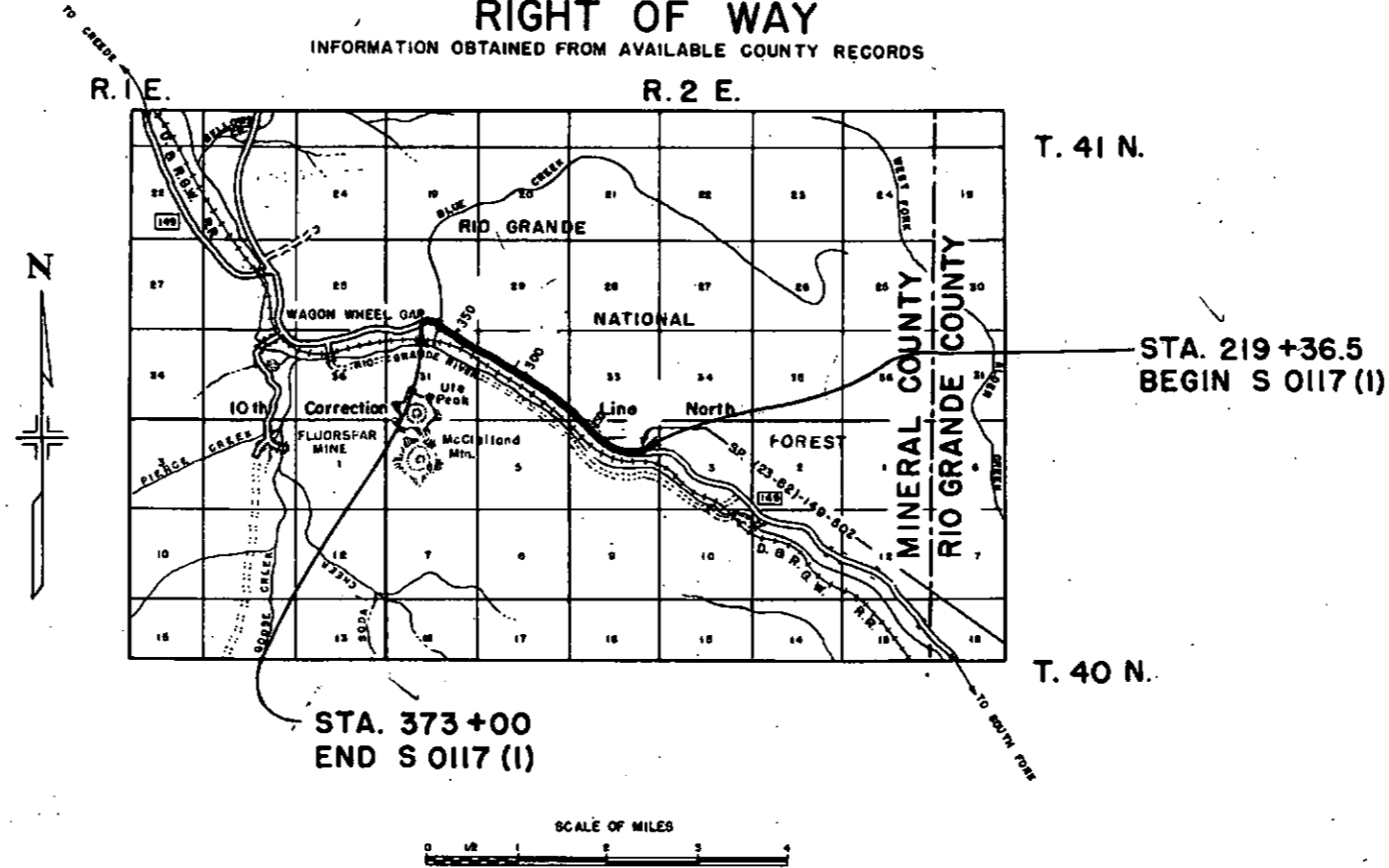
PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. S 0117 (I) STATE HIGHWAY NO. 149 MINERAL COUNTY

CONVENTIONAL SIGNS



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 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 } = 15,366.5 Ft. = 2.910 MI.
 NET LENGTH OF PROJECT }

RIGHT OF WAY
 INFORMATION OBTAINED FROM AVAILABLE COUNTY RECORDS



R.O.W. TABULATION OF PROPERTIES IN

MINERAL COUNTY S.H.No. 149 PROJ. S 0117 (I)

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
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RIGHT OF WAY Rev. 4-4-52 T.L.K.
Rev. 9-4-52 T.L.K.

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				TOTAL LAND IN TRACT	PARCEL	TO BE ACQUIRED		
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			T.41N. R.2E. N.M.P.M.					
2 Rev.	Denver & Rio Grande Western Railroad		S. 1/2, Sec. 33.		0.285	0.285		
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13	Denver & Rio Grande Western Railroad		SE 1/4, SW 1/4, Sec. 30		0.343	0.343		
14	Arthur G. Sharp & Geneva M. Sharp	Wagon Wheel Gap, Colo.	SW 1/4, SW 1/4, Sec. 33		0.680	0.680		
15	Arthur G. Sharp & Geneva M. Sharp	Wagon Wheel Gap, Colo.	NW 1/4, SE 1/4, Sec. 32		0.254	0.254		
16	Arthur G. Sharp & Geneva M. Sharp	Wagon Wheel Gap, Colo.	S 1/2, NW 1/4, Sec. 32		2.757	2.757		
17	Howard H. Hampton	Wagon Wheel Gap, Colo.	N 1/2, NE 1/4, Sec. 31		0.987	0.987		
18	Howard H. Hampton	Wagon Wheel Gap, Colo.	SW 1/4, SE 1/4, Sec. 30		1.124	1.124		
19 Rev.	Howard H. Hampton	Wagon Wheel Gap, Colo.	SW 1/4, SE 1/4 & SE 1/4,		1.098	1.098		
19A	Deleted							

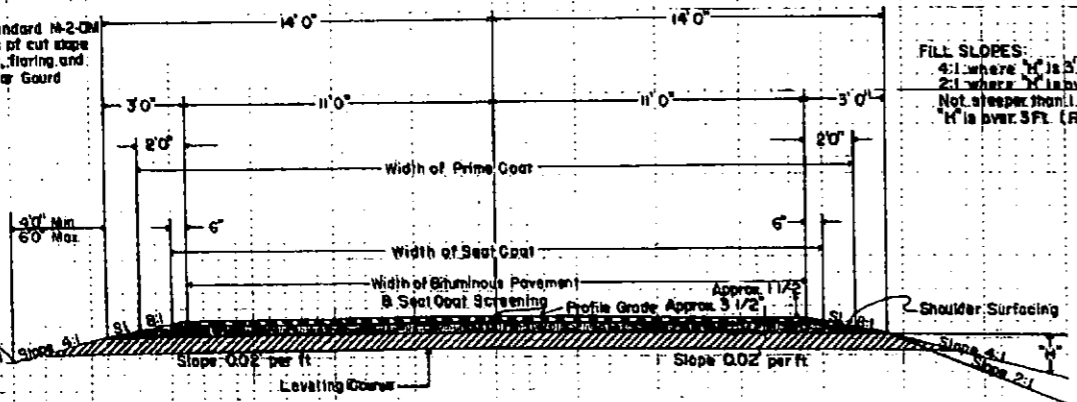
FED. ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S-0117 (1)	2K	

SUMMARY OF QUANTITIES

ITEM NO.	ITEM	UNIT	PROJECT TOTALS
10a	Clearing and Grubbing Entire Project	L.S.	1240
11a	Removal of Bridge Sta 365+	L.S.	1240
11b	Removal of 6 Structures	L.S.	1240
11c	Remove and Relay 14" Pipe & Spring Box Sta 263+	L.S.	1240
12a	Removing Fence	Lin. Ft.	186
12ax	Removing Guard Fence	Lin. Ft.	710
13c	Unclassified Excavation	Cu. Yd.	27,625
13d	Unclassified Ditch Excavation	Cu. Yd.	7,632.4
14a	Dry Rock Excavation (Str.)	Cu. Yd.	0
14b	Dry Common Excavation (Str.)	Cu. Yd.	11,459.6
14c	Wet Rock Excavation (Str.)	Cu. Yd.	0
14d	Wet Common Excavation (Str.)	Cu. Yd.	11,426
16a	Structure Backfill (Class 1)	Cu. Yd.	117
16b	Mechanical Tamping	Hour	63
17a	Rolling with Tamping Roller (2 Unit)	Hour	110
17b	Rolling with Flat Wheeled Roller	Hour	13
17c	Rolling with Rubber Tired Roller	Hour	32
17d	Furnishing Tamping Roller (2 Unit)	Each	7
17e	Furnishing Flat Wheeled Roller	Each	1
17f	Furnishing Rubber Tired Roller	Each	1
17g	Wetting	M Gal.	824
18a	Station Yard Overhaul	Sta. Mi.	324,000
18b	Yard Mile Overhaul	Yd. Mi.	7,388
18c	Ton Mile Overhaul	Ton Mi.	8408
23a	Ballast (Class 1)	Ton	See H2 15741 0
26c	Gravel or Crushed Rock Surfacing (Grading C)	Ton	11,699.4
30x	Asphaltic Road Material MC1 (Prime)	Gal.	16,873
30y	Asphaltic Road Material RC-4	Gal.	10,748
30z	Asphaltic Road Material MC3 (Process)	Gal.	40,748
31a	Road Mix Oil Processing	SQ. Yd.	37,893
31d	Stone Screenings (Type 2)	Ton	405,75
53c	24" Corrugated Metal Culvert Pipe	Lin. Ft.	1,109
53j	72" Corrugated Metal Culvert Pipe	Lin. Ft.	136
64	Dry Rubble Slope and Ditch Paving (12" Thick)	Sq. Yd.	62.7
B1b	Right of Way Markers	Each	10
	Timber Guard Posts	Each	
B1a	STATE FORGES	L.S.	
	Timber Guard Posts	L.S.	
	Project Markers	L.S.	
	Signing and Stripping Entire Project	L.S.	
	FORCE ACCOUNT		
	Relocate Tel. Poles (Work by D. & R. G. W. R. Co. Forces.)	L.S.	
20a	Obliterating Old Road	L.S.	
	Move Garbage Pits & Outhouses	L.S.	
	Move Power Pole Sta 365+ (Work by R.E.A.)	L.S.	

SMALL CONSTRUCTION SHEET

NOTE:
See Standard N-2-04
for details of cut slope
treatment, flaring and
widening for Guard
Posts.



Approximate 5" compacted thickness of Gravel or Crushed Rock Surfacing was placed in separate courses at the following approximate rates per 100 sq. ft. of road way:

Top Course 19 tons
Bottom Course 49 tons
Surfacing for shoulder areas: 3 tons

GENERAL NOTES

This project was constructed in conformity with the Standard Specifications of the Colorado State Highway Department adopted January 1, 1948.

SLOPE TO SURFACE SECTIONS

GENERAL NOTES
SHEET NO. 2K
DATE 1948

SHEET TOTALS	EXCAVATION	CU. YD.
	EMBANKMENT	CU. YD.

NW 1/4 SEC. 4

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	3	

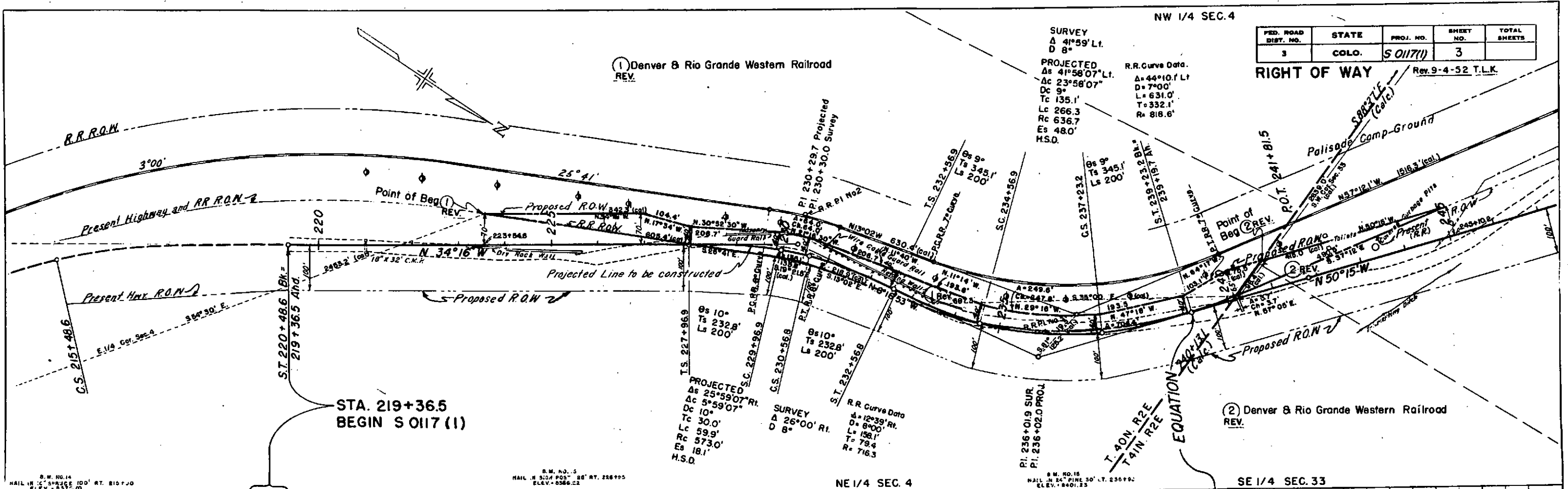
RIGHT OF WAY Rev. 9-4-52 T.L.K.

1 Denver & Rio Grande Western Railroad REV.

SURVEY
 Δ 41°59' Lt.
 D 8°

PROJECTED
 Δ 41°58'07" Lt.
 Δc 23°58'07"
 Dc 9°
 Tc 135.1'
 Lc 266.3'
 Rc 636.7'
 Es 480'
 H.S.D.

R.R. Curve Data
 Δ=44°10.1' Lt.
 D=7°00'
 L=631.0'
 T=332.1'
 R=818.6'



STA. 219+36.5
BEGIN S 0117 (1)

2 Denver & Rio Grande Western Railroad REV.

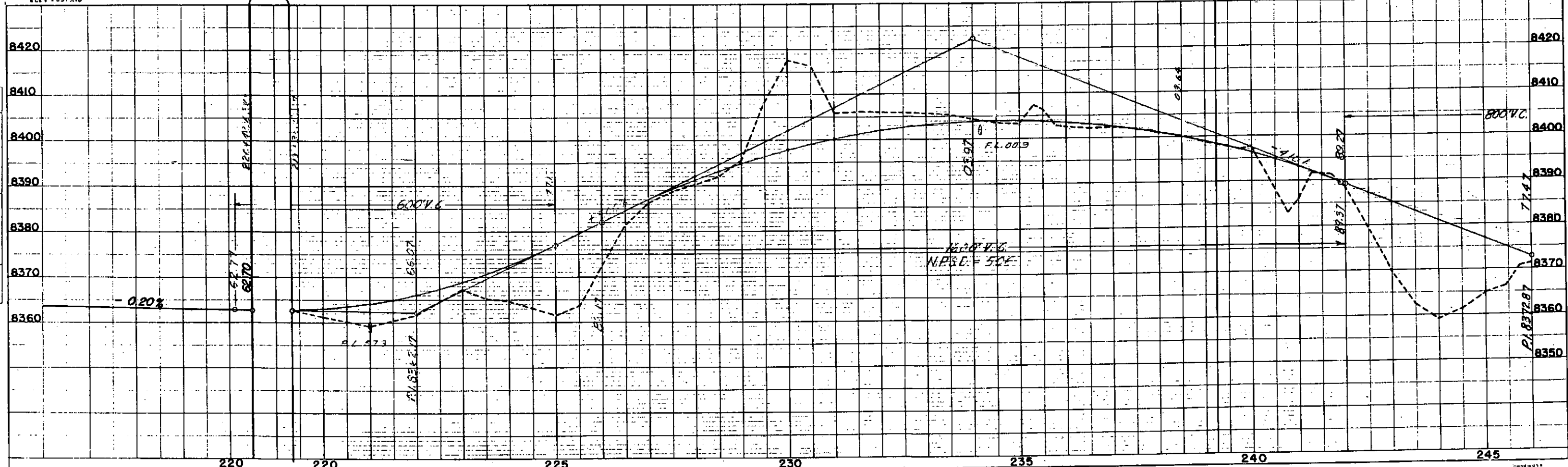
B.M. NO. 14
 NAIL IN 12" SPRUCE 100' RT. B10+10
 ELEV. 8372.70

B.M. NO. 5
 NAIL IN 24" PINE 50' RT. 226+95
 ELEV. 8386.02

NE 1/4 SEC. 4

B.M. NO. 15
 NAIL IN 24" PINE 50' LT. 236+90
 ELEV. 8401.25

SE 1/4 SEC. 33



Description			Embankment			Excavation			Embankment		
Sta. Yds.	Area	Area	Sta. Yds.	Area	Area	Sta. Yds.	Area	Area	Sta. Yds.	Area	Area

W.O. 15741 - A Leveling Course was placed at locations shown in the following tabulation. Quantities shown in this tabulation are embankment quantities. Material for this quantity is made at the local quarry and is subject to the standard formula and quantity of sand. *(Note: This quantity is made at the local quarry and is subject to the standard formula and quantity of sand.)*

MATERIAL TO BE PLACED	SOURCE	AVAILABLE THICKNESS	QUANTITY			YDS. MILE
			CU. YDS. USED	STK. YDS.	OVERHAUL	
EPB+00 - 234+56.2	Loc. Sta.	8"	567	4,477	871	
234+56.2 - 241+30	361+72.2	8"	605	7,337	1,366	
307+40 - 321+44.2	Sta. 365+28.2	4"	883	10,747	576	
322+33.2 - 324+7.2	Loc. H.O.W. Centre of Mass on 365+58	4"	188	2,299	85	
332+84.2 - 333+00		8"	111	1,342	32	
348+00 - 353+50		8"	427	1,697	0	
TOTALS			16,023	40,760	10,766	

Note: See W.O. 15741

Ref. X - Section Sheet from tabulation

TICKET NOS.	SHEEPS FOOT	RUBBER TIRE	FLAT WHEELED	MECH. TAMPING	WETTING
44151 - 44185	118	32	73	60	824
TOTALS	118	32	73	60	824

OIL CAR SUMMARIES

MG-1		MG-3		RG-4	
CAR NOS.	NET GAL.	CAR NOS.	NET GAL.	CAR NOS.	NET GAL.
111X37360	9,518	111X51113	9,554	111X41766	7,840
111X52801	7,355	111X40233	9,396	111X52758	662
		111X40817	9,497	111X52667	2,266
		111X55469	9,581		
		X-Park Vans		Also used on	
		Gen. No. 4197	304	SP-250145D3	
TOTALS		40,760		10,766	

WETTING AND ROLLING

TICKET NOS.	SHEEPS FOOT	RUBBER TIRE	FLAT WHEELED	MECH. TAMPING	WETTING
44151 - 44185	118	32	73	60	824
TOTALS	118	32	73	60	824

Ref. Book 6 Pg. 26

SURFACING TABULATION

MATERIAL TO BE PLACED	SOURCE	AVAILABLE THICKNESS	QUANTITY			TON MILE
			CU. YDS. USED	STK. YDS.	OVERHAUL	
244+56.2 to 249+00.2	Loc. Sta. 13011	4"	2,115.44	5,451.9	2,200.88	36,513
249+00.2 to 253+40	Sta. 380+58	4"	843.36	2,165.6	2,002.70	F.H. F.H. F.H.
Approach to Round		4"	47.50	10.40	41.40	F.H. F.H. F.H.
Round Approaches	SE 1/4 SW 1/4			132.83		182.35
Spur Grade	SW 3/4 NW 1/4			670.33		553.25
TOTALS			3,013.30	7,720.23	4,244.98	37,384

Ref. Book 6 Pg. 20

SCALE BOOKS

BOOK NO.	TOP COURSE GRADING %	BOTTOM COURSE GRADING %	SHOULDER SURFACING GRADING %	STONE SCREENINGS TYPE 2
1		2966.70		
2		2811.70		
3		249.55		
1		2158.75		
2		842.55		
TOTAL				

Ref. Book 6 Pg. 28

ROW MARKERS

STATION	SIDE	NO.	ELEVATION
234+56.2	RL	1	8,458.02
239+19.2	RL	1	8,424.57
241+30	RL	1	8,407.60
249+00.2	RL	1	8,473.43
249+00.2	RL	1	8,408.13
250+56.2	RL	1	8,477.51
252+34.7	RL	1	8,479.35
307+40	RL	1	8,433.84
322+33.2	RL	1	8,428.50
324+7.2	RL	1	8,466.36
TOTAL			10

Ref. Book 5 Pg. 32-39

TIMBER SAUND POSTS

STATION	SIDE	SPACING	NO.
221+00 - 228+00	LL	100'	8
228+75 - 231+75	LL	50'	6
231+75 - 232+50	LL	75'	1
232+30 - 244+30	LL	100'	13
221+00	RL	Culv.	1
234+15	RL	Culv.	1
245+75	RL	Culv.	2
250+40	RL	Culv.	2
237+00	LL	Culv.	2
262+05	LL	Culv.	8
265+00 - 272+00	LL	100'	8
265+25	RL	Culv.	1
273+00	LL	Culv.	1
278+30	LL	Culv.	2
287+30	RL	Culv.	1
285+00 - 287+00	LL	100'	2
287+00	RL	Culv.	1
307+00	RL	Culv.	1
317+50	RL	Culv.	1
321+60	RL	Culv.	1
330+30	RL	Culv.	1
335+30	RL	Culv.	1
340+40	RL	Culv.	1
345+30	RL	Culv.	1
365+30	RL	Culv.	1
TOTAL			112

Ref. Book 6 Pg. 33-34

Ref. Book 6 Pg. 29

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0117(1)	4	

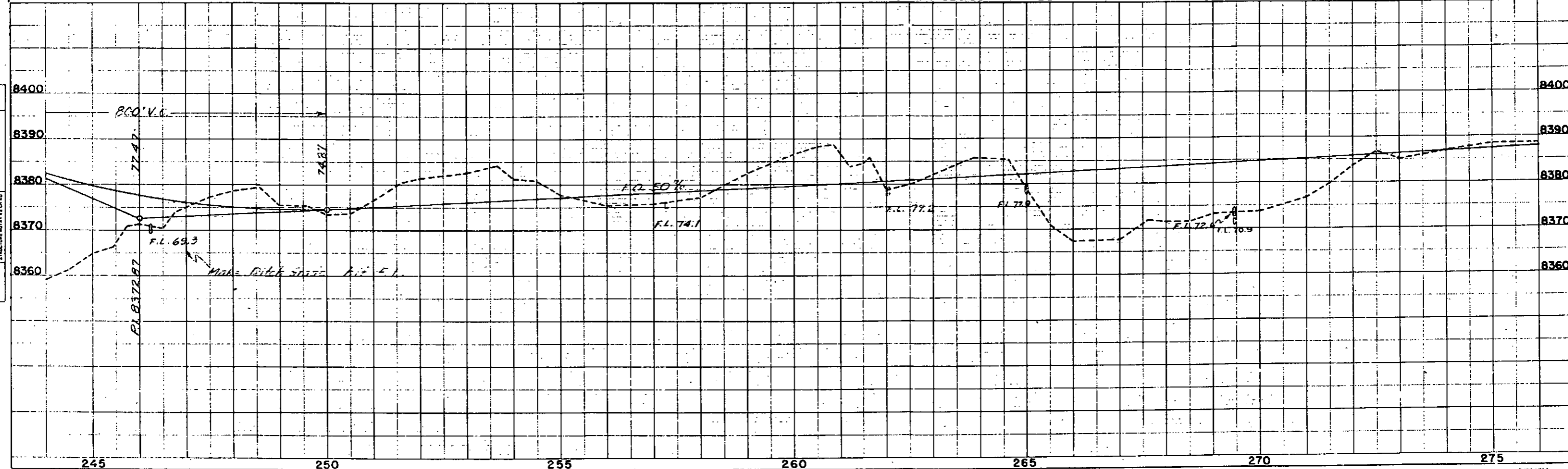
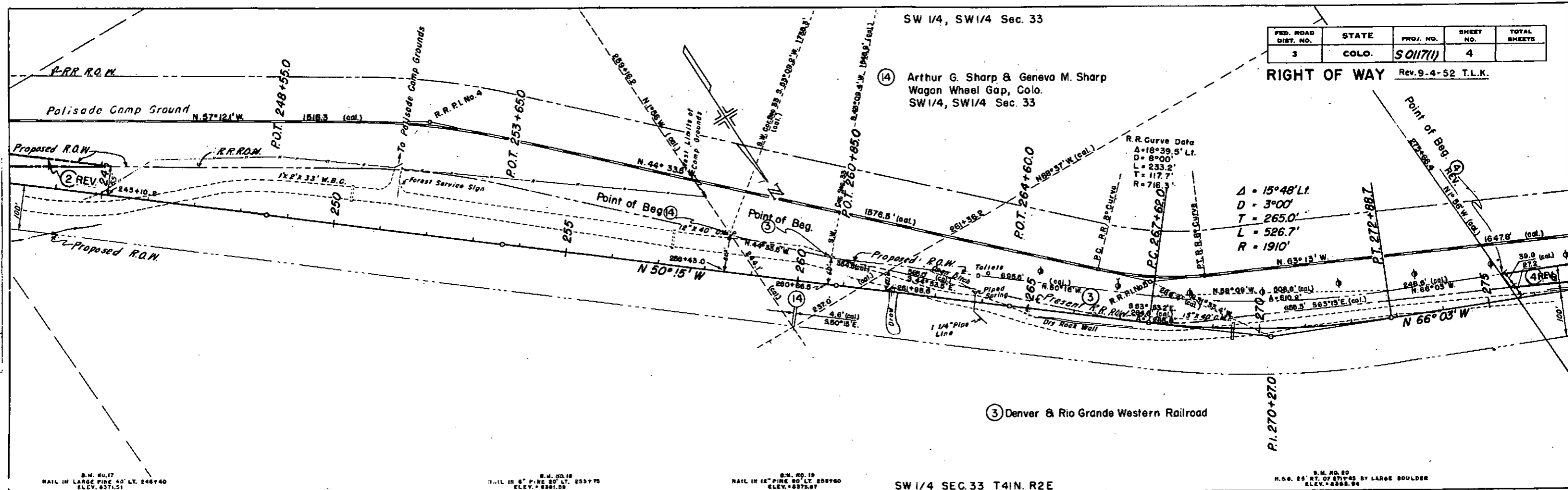
RIGHT OF WAY Rev. 9-4-52 T.L.K.

SW 1/4, SW 1/4 Sec. 33

(4) Arthur G. Sharp & Geneva M. Sharp
Wagon Wheel Gap, Colo.
SW 1/4, SW 1/4 Sec. 33

R.R. Curve Data
 $\Delta = 18^{\circ}39.5' Lt.$
 $D = 8^{\circ}00'$
 $L = 233.2'$
 $T = 117.7'$
 $R = 716.3'$

$\Delta = 15^{\circ}48' Lt.$
 $D = 3^{\circ}00'$
 $L = 265.0'$
 $T = 526.7'$
 $R = 1910'$



PLAN
 SURVEYED
 PLOTTED
 CHECKED
 DATE
 1/5/47

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 DATE
 1/5/47

FINAL LIST OF STRUCTURES

DISTRICT	PROJECT NO.	DATE
5	5-0117-01	BY

LOCATION	DESCRIPTION	REMOVE STRUCTURE	EXCAVATION		STRUCTURAL EXCAVATION		STRUCTURE HEIGHT	NO. OF SPANS	SPAN OR OVERLAP	CONCRETE	REINFORCED STEEL	CORRODED METAL CULVERT PIPE		MISCELLANEOUS	Reference
			WALL	FOOTING	WALL	FOOTING						24"	36"		
2417 to 2437	Move outhouse at 9 Archaic Rd														
2417	Cross Culvert Inlet Pipe			0.6	17.1		15.1	1				56"			Book 4 Page 2635 Cross Section Sheets
	Removed 12' x 12' C.M.P.														Removed 12' x 12' Road Bridge Book 4 Page 59
2417 to 2437	Removed inlet house at				2.1		14.1	2				50"			Book 4 Page 2635 Cross Section Sheets
2417	Cross Culvert Inlet Pipe														Removed 12' x 12' Road Bridge Book 4 Page 54
2417 to 2437	Remove Cross Fence														
245175	Cross Culvert Inlet Pipe			2.5	11.8		11.8	2				58"			Book 4 Page 2636 Cross Section Sheets
250170	Cross Culvert Inlet & Outlet Pipes			22.0	15.1		15.1	2				50"			Book 4 Page 11437 Cross Section Sheets
251150	Open Approach														Book 6 Page 15 & 17
257100	Cross Culvert Inlet Pipe			4.4	11.4		11.4	2				48"			Book 4 Page 10254 Cross Section Sheets
257120	Removed 12' x 12' C.M.P.														Book 4 Page 2637
267105	Cross Culvert Inlet & Outlet Pipes			11.2	22.2		22.2	2				44"			Book 4 Page 12732 Cross Section Sheets
267125	Remove 15' x 10' C.M.P.														Book 4 Page 53
267125	Open Approach														Book 6 Page 15 & 17
267125	Cross Culvert Inlet Pipe			0.6	12.6		12.6	2				50"			Book 4 Page 13639 Cross Section Sheets
269145	Cross Culvert Inlet Pipe			2.0	22.2		22.2	4				50"			Book 4 Page 14215 Cross Section Sheets
	Remove 15' x 10' C.M.P.														Book 4 Page 53
273100	Cross Culvert Inlet & Outlet Pipes			11.2	23.2		23.2	2				51"			Book 4 Page 16724 Cross Section Sheets
279150	Cross Culvert Inlet Pipe			1.8	6.0		6.0	2				48"			Book 4 Page 17242 Cross Section Sheets
283140	Cross Culvert Inlet Pipe			1.2	21.2		21.2	2				44"			Book 4 Page 18240 Cross Section Sheets
287130	Cross Culvert Inlet Pipe			2.2	12.2		12.2	4				48"			Book 4 Page 19241 Cross Section Sheets
	Removed 15' x 12' C.M.P.														Book 4 Page 53
293117	Cross Culvert Inlet Pipe			2.0	14.3		14.3	2				48"			Book 4 Page 20242 Cross Section Sheets
	Removed 12' x 10' C.M.P.														
297100	Cross Culvert Inlet Pipe			4.6	21.6		21.6	2				48"			Book 4 Page 21241 Cross Section Sheets
307100	Cross Culvert Inlet Pipe			16.4	23.3		23.3	2				48"			Book 4 Page 21242 Cross Section Sheets
317150	Cross Culvert Inlet Pipe			0.3	11.3		11.3	1				48"			Book 4 Page 22242 Cross Section Sheets
327160	Cross Culvert Inlet Pipe			2.4	36.4		36.4	4				48"			Book 4 Page 24242 Cross Section Sheets
337150	Cross Culvert Inlet Pipe			0.5	7.5		7.5	2				48"			Book 4 Page 26243 Cross Section Sheets
347160	Cross Culvert Inlet Pipe			0.4	15.4		15.4	2				51"			Book 4 Page 27244 Cross Section Sheets
357160	Cross Culvert Inlet Pipe			0.8	23.8		23.8	2				41"			Book 4 Page 28247 Cross Section Sheets
367100	Cross Culvert Inlet Pipe			2.2	14.2		14.2	2				50"			Book 4 Page 29248 Cross Section Sheets
	Removed 12' x 12' C.M.P.														
367125	Road Approach Fl														Book 6 Page 15 & 17
367100	Road Approach Rt														Book 6 Page 15 & 17
367150	Daytime Cross Culvert Pile-ups			50.6	20.9		20.9	2							Book 4 Page 52 Cross Section Sheets
	Dry Rubble Slope & Ditch Pile-up at Inlet & Outlet Pile														Book 4 Page 52
	Remove Bridge														
367150	Road Approach Rt														Book 6 Page 15 & 17
367114 to 37167	Removed Wire Cable Guard Fence 11														Book 4 Page 54
37100	Approach to Highway														Book 6 Page 15 & 17

Total Miscellaneous
180 ft Fence Removal
710 ft Guard Fence Removal

* Pipe were extended on outlet, it is included in the length for connecting band.

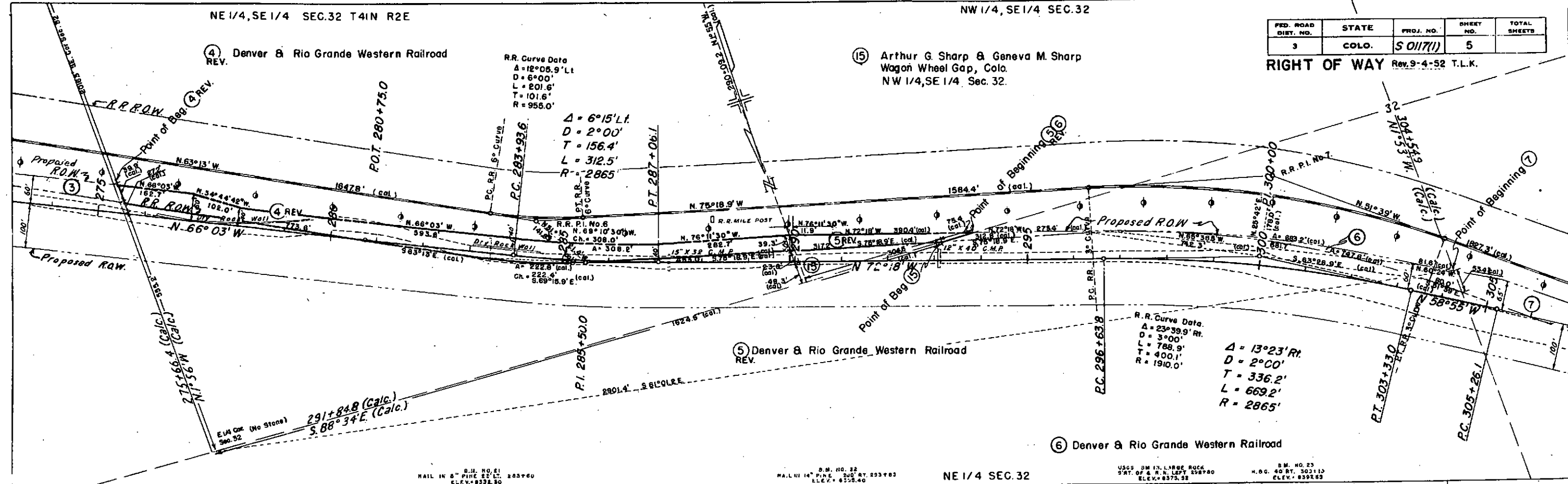
50.6

NE 1/4, SE 1/4 SEC. 32 T41N R2E

NW 1/4, SE 1/4 SEC. 32

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	5	

RIGHT OF WAY Rev. 9-4-52 T.L.K.



B.M. NO. 21
NAIL IN 6" PINE 22' L.T. 233760
ELEV. 8328.30

B.M. NO. 22
NAIL IN 14" PINE 240' BY 233763
ELEV. 8328.40

NE 1/4 SEC. 32

USGS 5M IN. LARGE ROCK
SRT. OF & R. N. LEPT 258780
ELEV. 8328.38

B.M. NO. 23
N.G. 40 BY 503110
ELEV. 8328.33

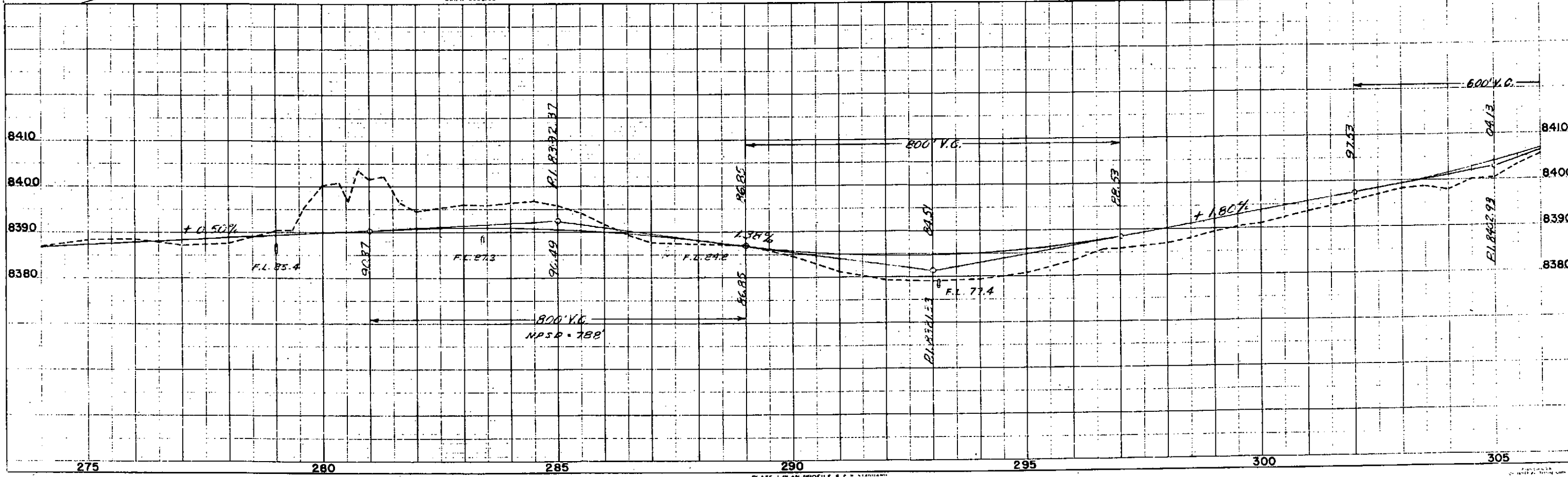


PLATE 1-PLAN, PROFILE & STATIONING

NE 1/4 SEC. 31

SW 1/4, SE 1/4 SEC. 30 T41N R2E

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	7	

RIGHT OF WAY

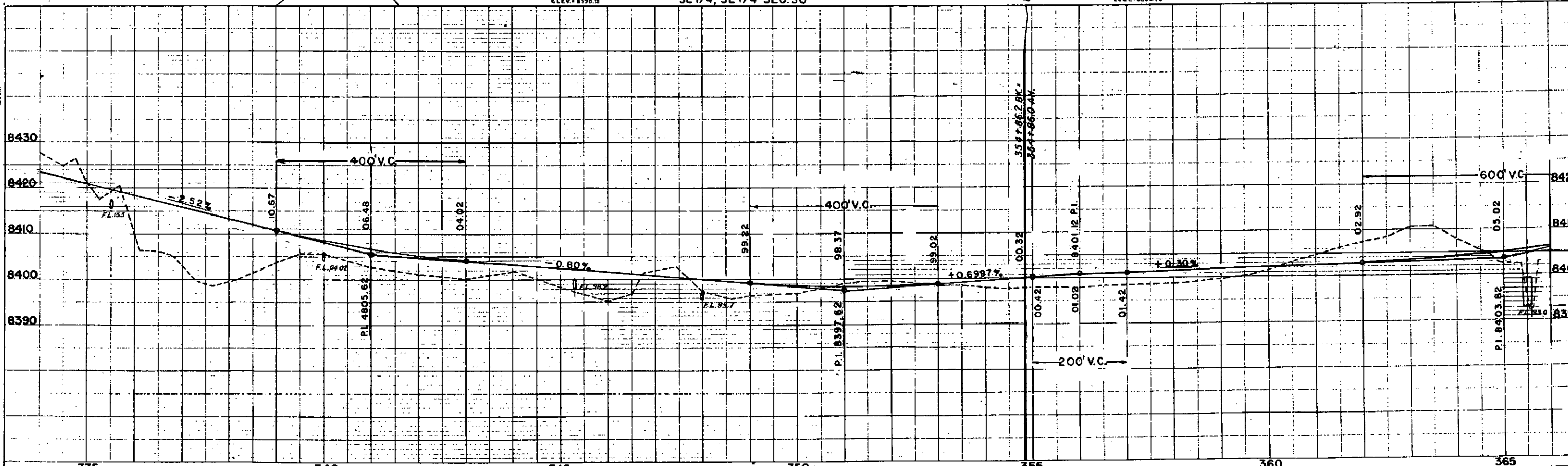
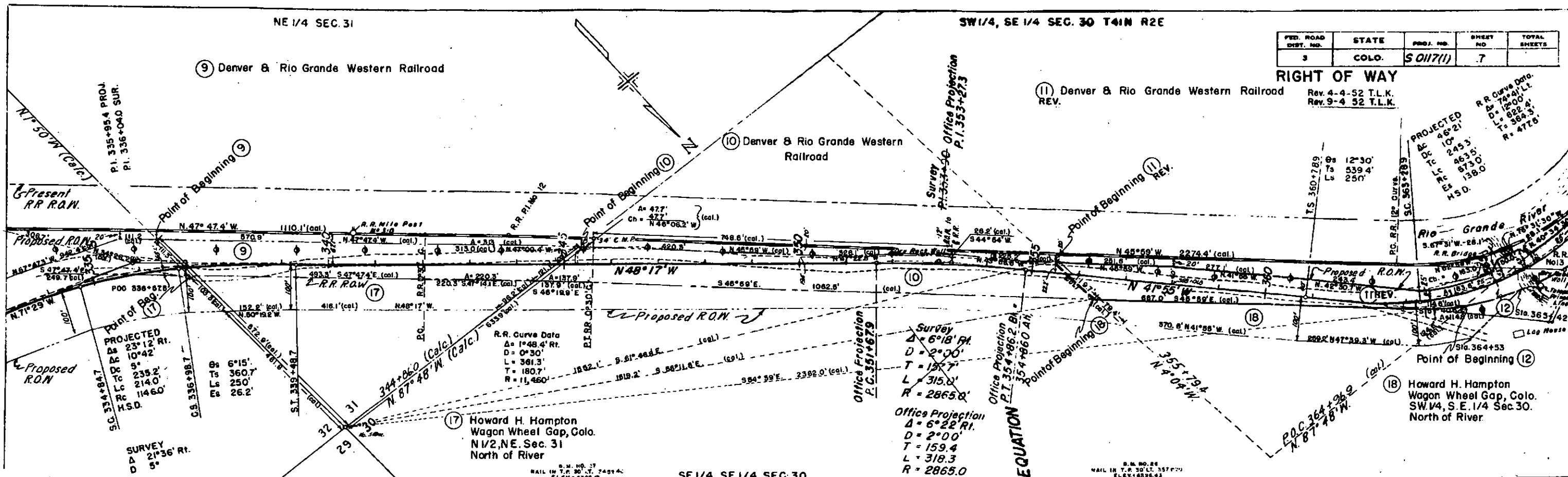
Rev. 4-4-52 T.L.K.
Rev. 9-4-52 T.L.K.

9 Denver & Rio Grande Western Railroad

11 Denver & Rio Grande Western Railroad REV.

10 Denver & Rio Grande Western Railroad

PROJ. CURVE DATA
 Δ = 48° 21'
 D = 10° 21'
 L = 245.3'
 T = 87.5'
 R = 477.8'

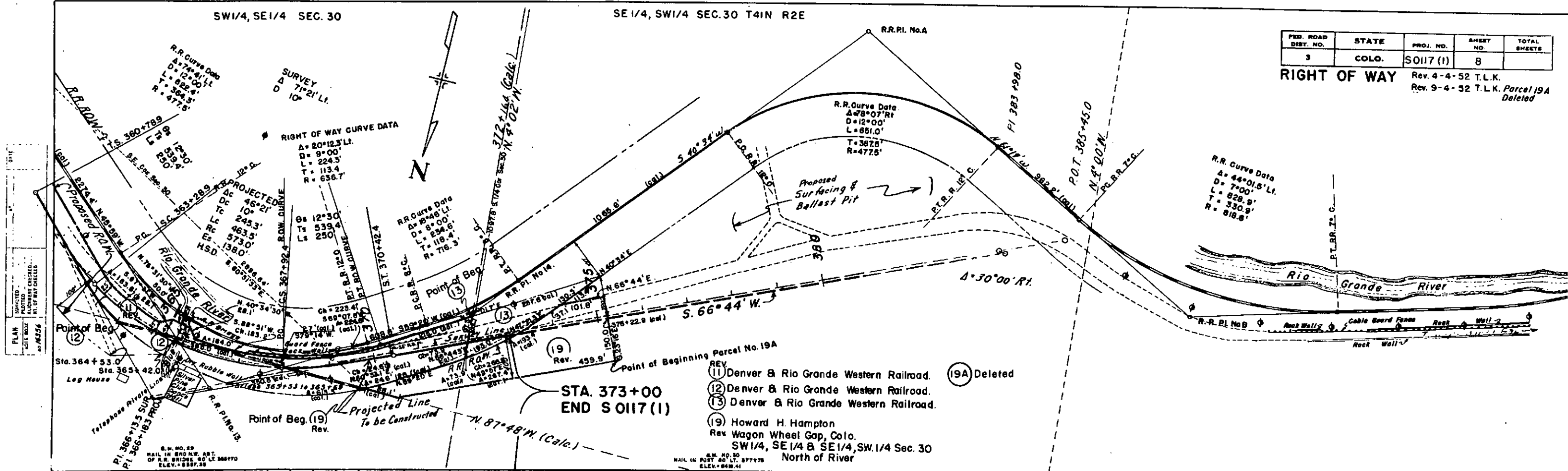


SW 1/4, SE 1/4 SEC. 30

SE 1/4, SW 1/4 SEC. 30 T41N R2E

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S0117 (1)	8	

RIGHT OF WAY Rev. 4-4-52 T.L.K.
 Rev. 9-4-52 T.L.K. Parcel 19A Deleted

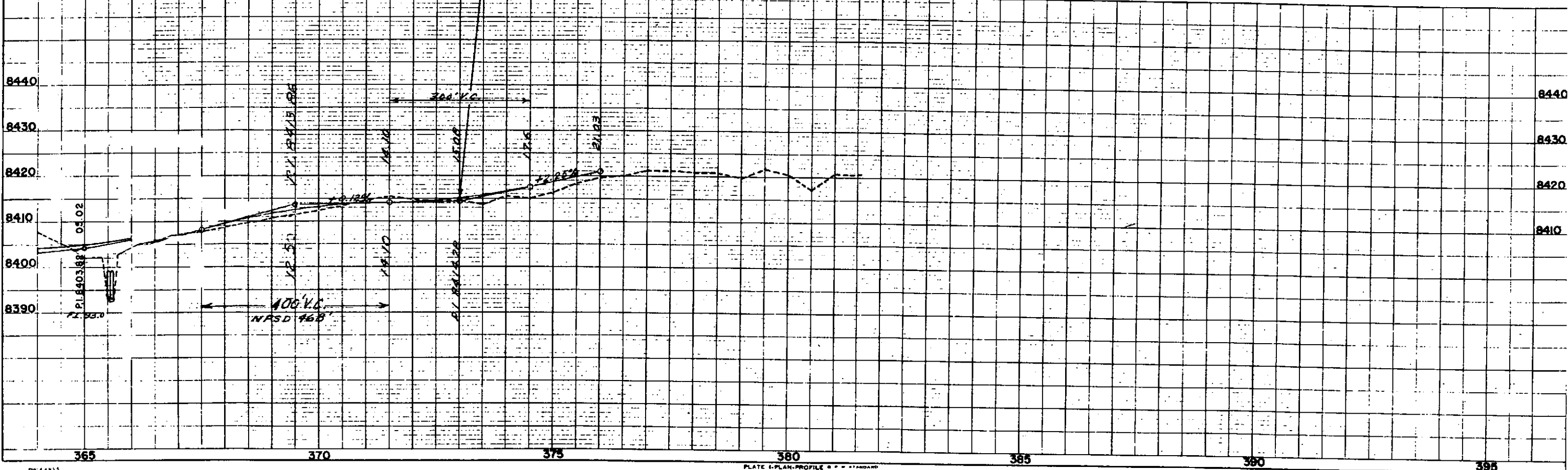


PLAN
 SURVEYED
 PLOTTED
 CHECKED
 DATE
 NO. 75256

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 DATE
 NO. 75256

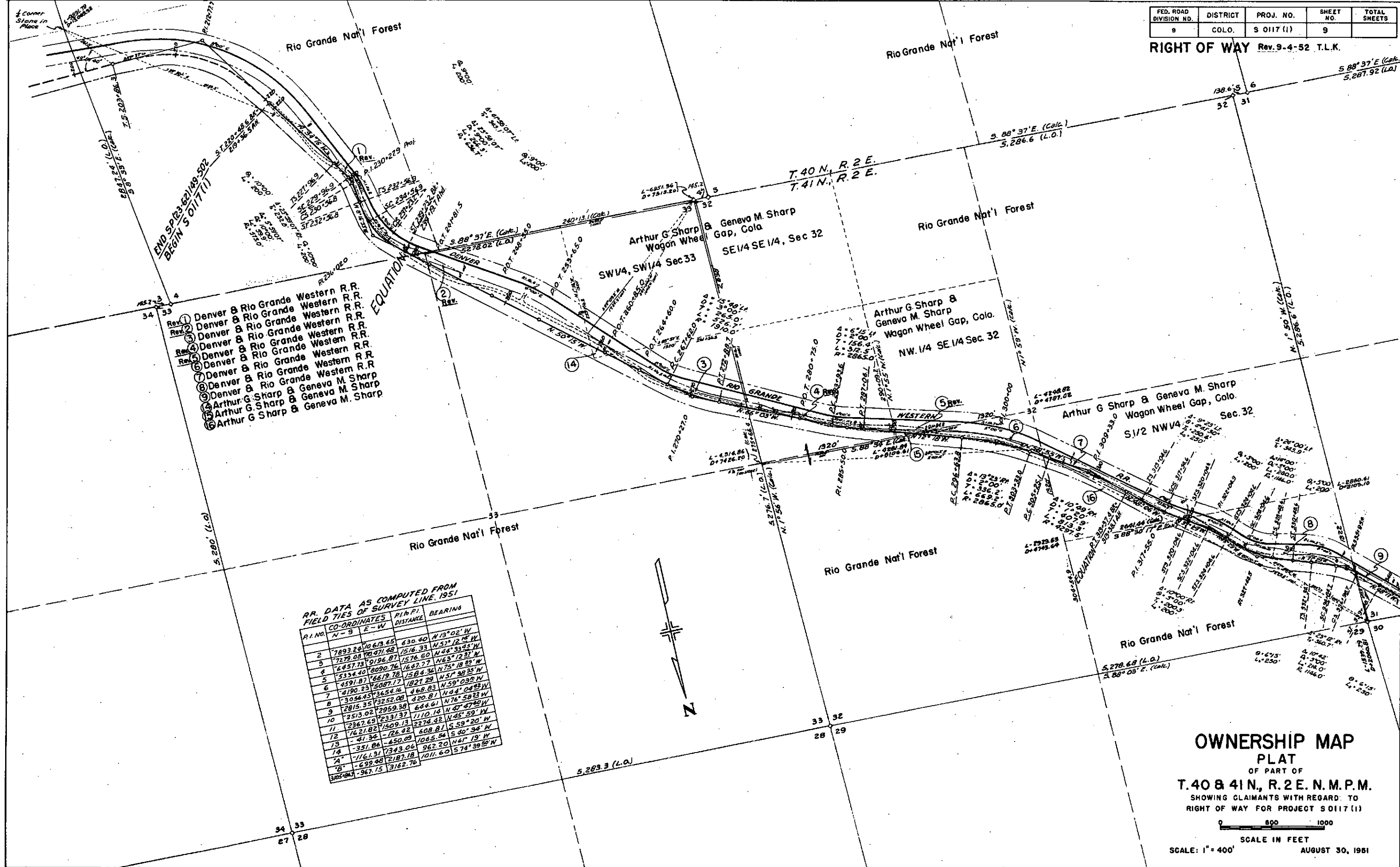
STA. 373+00
 END S 0117 (1)

- Point of Beginning Parcel No. 19A
 Rev. 499.9'
- REV 11 Denver & Rio Grande Western Railroad. (19A) Deleted
 - REV 12 Denver & Rio Grande Western Railroad.
 - REV 13 Denver & Rio Grande Western Railroad.
 - REV 19 Howard H. Hampton
 Rev. Wagon Wheel Gap, Colo.
 SW 1/4, SE 1/4 & SE 1/4, SW 1/4 Sec. 30
 North of River



FED. ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0117 (1)	9	

RIGHT OF WAY Rev. 9-4-52 T.L.K.



- Rev. 1 Denver & Rio Grande Western R.R.
- Rev. 2 Denver & Rio Grande Western R.R.
- Rev. 3 Denver & Rio Grande Western R.R.
- Rev. 4 Denver & Rio Grande Western R.R.
- Rev. 5 Denver & Rio Grande Western R.R.
- Rev. 6 Denver & Rio Grande Western R.R.
- Rev. 7 Denver & Rio Grande Western R.R.
- Rev. 8 Denver & Rio Grande Western R.R.
- Rev. 9 Arthur G. Sharp & Geneva M. Sharp
- Rev. 10 Arthur G. Sharp & Geneva M. Sharp
- Rev. 11 Arthur G. Sharp & Geneva M. Sharp

RR. DATA AS COMPUTED FROM FIELD TIES OF SURVEY LINE, 1951

P.I. NO.	CO-ORDINATES		P.I. P.I. DISTANCE	BEARINGS
	N-S	E-W		
1	7893.24	10619.65	630.40	N 13° 02' W
2	7279.08	98471.48	1516.33	N 57° 12' W
3	6457.73	9196.07	1576.60	N 46° 33' W
4	5334.40	8090.76	1647.77	N 63° 12' W
5	4591.07	6619.78	1584.34	N 75° 18' W
6	4190.25	5087.17	1821.29	N 59° 03' W
7	3054.45	3654.46	468.83	N 44° 04' W
8	2815.35	2959.38	420.87	N 76° 58' W
9	2513.02	2959.38	644.67	N 47° 47' W
10	2367.69	2331.37	1110.14	N 45° 59' W
11	7621.82	1509.13	2274.42	N 59° 20' W
12	41.34	-726.82	608.81	S 40° 34' W
13	-351.84	-650.09	1065.54	S 40° 34' W
14	-1161.31	7343.04	962.20	N 47° 19' W
15	-639.48	2187.18	1011.60	S 74° 39' W
16	-967.15	3182.76		

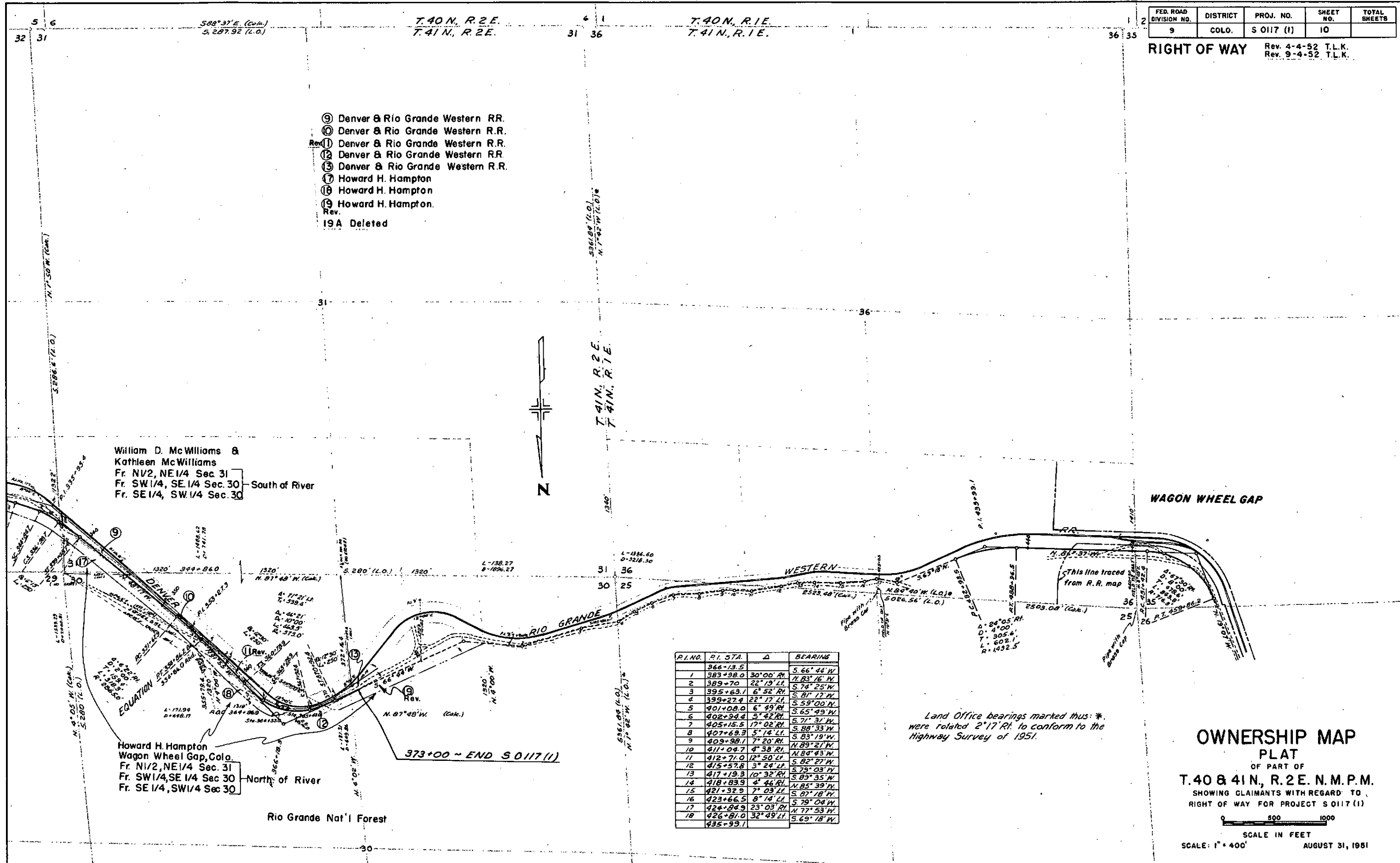
OWNERSHIP MAP PLAT
 OF PART OF
T. 40 & 41 N., R. 2 E. N. M. P. M.
 SHOWING CLAIMANTS WITH REGARD TO
 RIGHT OF WAY FOR PROJECT S 0117 (1)

SCALE: 1" = 400'
 AUGUST 30, 1951

FED. ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	S 0117 (I)	10	

RIGHT OF WAY Rev. 4-4-52 T.L.K.
Rev. 9-4-52 T.L.K.

- ⑨ Denver & Rio Grande Western R.R.
- ⑩ Denver & Rio Grande Western R.R.
- Rev. ⑪ Denver & Rio Grande Western R.R.
- ⑫ Denver & Rio Grande Western R.R.
- ⑬ Denver & Rio Grande Western R.R.
- ⑭ Howard H. Hampton
- ⑮ Howard H. Hampton
- ⑯ Howard H. Hampton
- Rev.
- 19A Deleted



P.I. NO.	P.I. STA.	Δ	BEARING
	366+13.5		S. 66° 44' W
1	383+38.0	30° 00' R	N. 83° 16' W
2	389+70	22° 19' L	S. 74° 25' W
3	395+63.1	6° 52' R	S. 81° 17' W
4	399+27.4	22° 17' L	S. 59° 00' W
5	401+08.0	6° 49' R	S. 65° 45' W
6	402+94.4	5° 42' R	S. 71° 31' W
7	405+15.5	17° 02' R	S. 88° 33' W
8	407+69.3	5° 14' L	S. 83° 19' W
9	409+98.1	7° 20' R	N. 89° 43' W
10	411+04.7	4° 38' R	N. 89° 21' W
11	412+71.0	12° 50' L	N. 84° 43' W
12	415+57.8	3° 24' L	S. 82° 27' W
13	417+19.3	10° 32' R	S. 75° 03' W
14	418+83.9	4° 44' R	S. 85° 35' W
15	421+92.9	7° 03' L	N. 85° 39' W
16	423+66.5	8° 14' L	S. 87° 18' W
17	424+84.9	23° 03' R	S. 79° 04' W
18	426+81.0	32° 49' L	N. 77° 53' W
	435+99.1		S. 69° 18' W

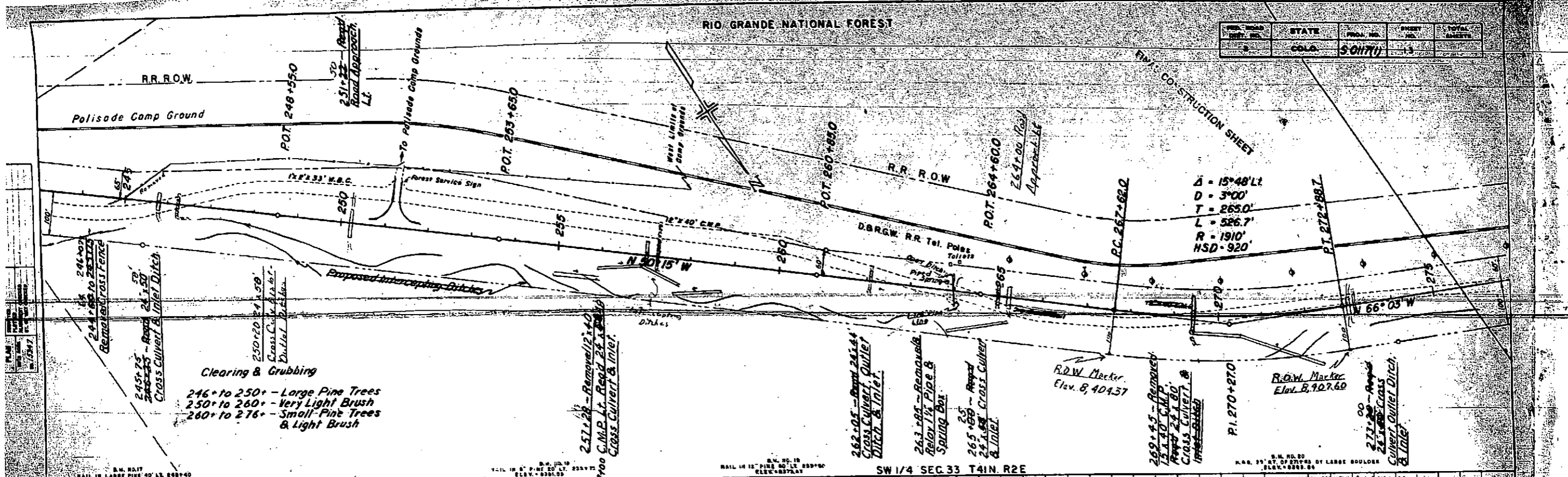
Land Office bearings marked thus: * were related 2° 17' R. to conform to the Highway Survey of 1951.

OWNERSHIP MAP PLAT
OF PART OF
T. 40 & 41 N., R. 2 E. N. M. P. M.
SHOWING CLAIMANTS WITH REGARD TO
RIGHT OF WAY FOR PROJECT S 0117 (I)

0 500 1000
SCALE IN FEET
SCALE: 1" = 400'
AUGUST 31, 1951

RIO GRANDE NATIONAL FOREST

PROJ. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
501171	COLO.	501171	13	



Clearing & Grubbing
 246+ to 250+ - Large Pine Trees
 250+ to 260+ - Very Light Brush
 260+ to 276+ - Small Pine Trees & Light Brush

257+28 - Removed 12" x 40" C.M.P. Lt. Road 24' x 24' Cross Culvert & Inlet

262+05 - Removed 24" x 40" Cross Culvert, Outlet Ditch & Inlet

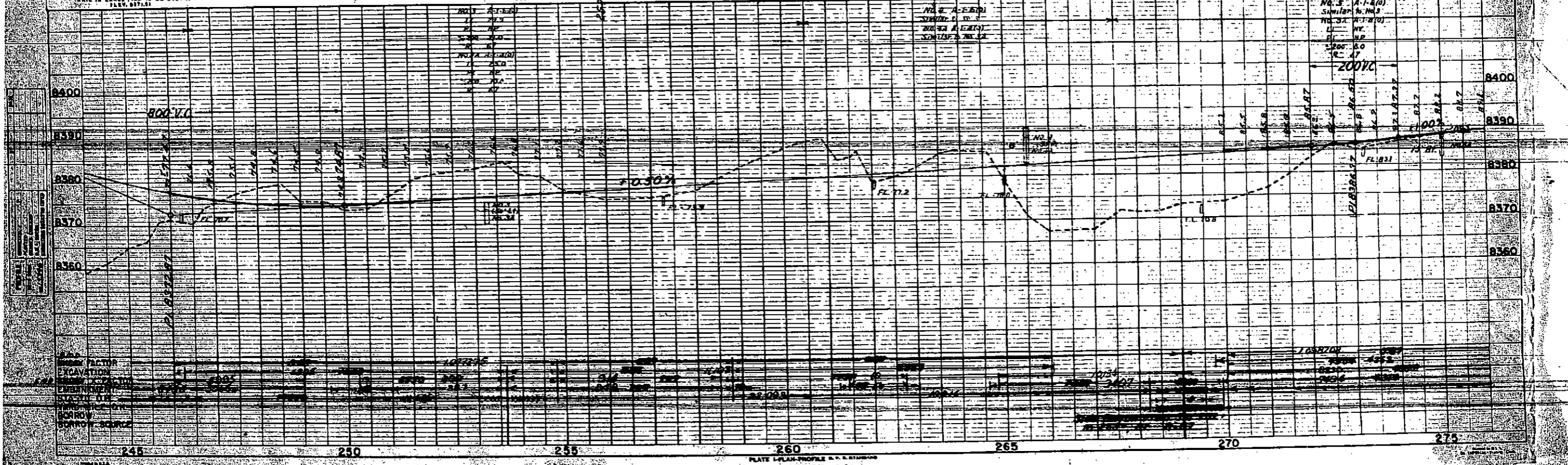
263+84 - Removed Relay 1 1/2" Pipe & Spring Box

265+68 - Removed 24" x 40" Cross Culvert & Inlet

269+45 - Removed 15" x 40" C.M.P. Road 24' x 24' Cross Culvert & Inlet

271+80 - Removed 24" x 40" Cross Culvert, Outlet Ditch & Inlet

SW 1/4 SEC 33 T4N R2E



NO.	DESCRIPTION	DATE
1	...	...
2	...	...
3	...	...
4	...	...
5	...	...
6	...	...
7	...	...
8	...	...
9	...	...
10	...	...

PLATE I-PLAN PROFILE R.R. STATIONING

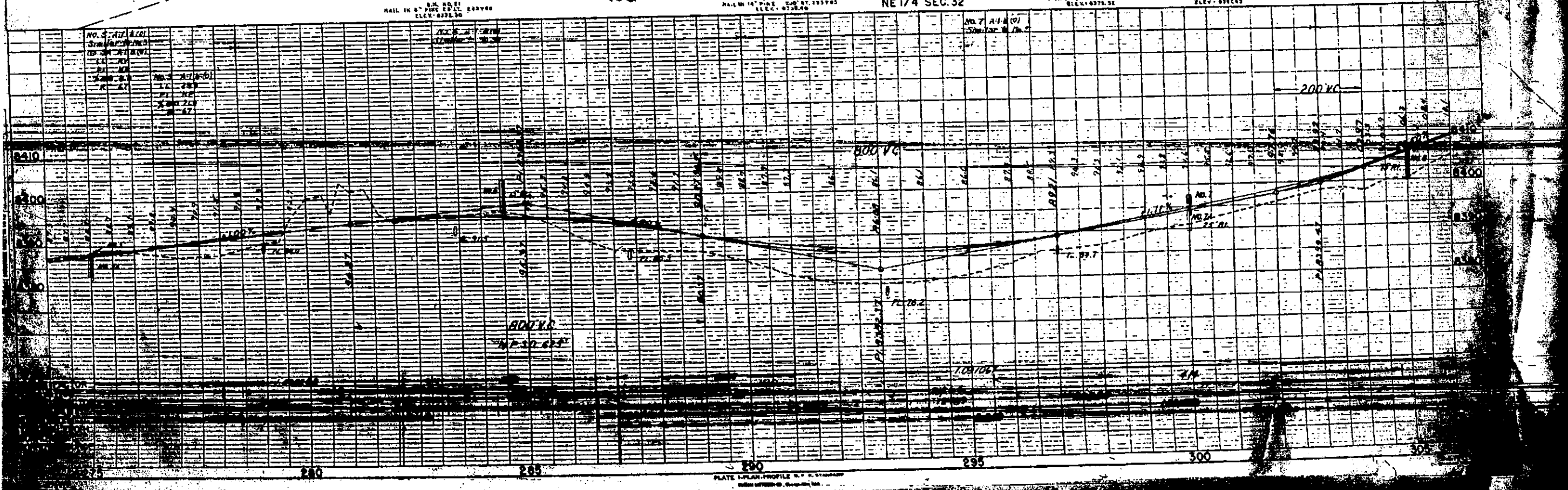
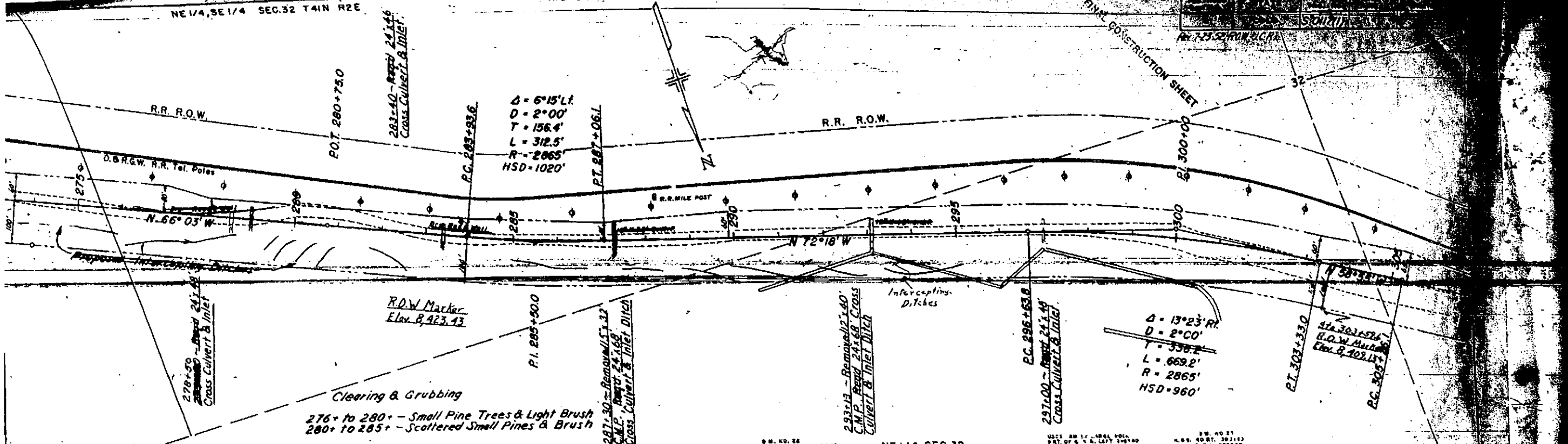
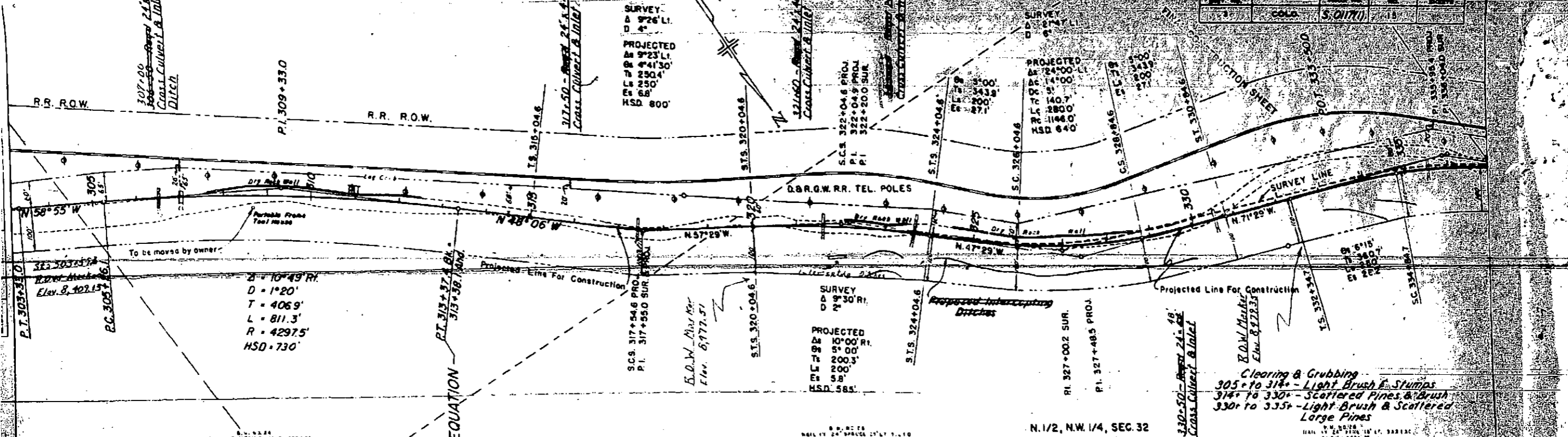


PLATE I PLAN PROFILE

S. 1/2, N.W. 1/4, SEC. 32, T. 41N., R. 2E.

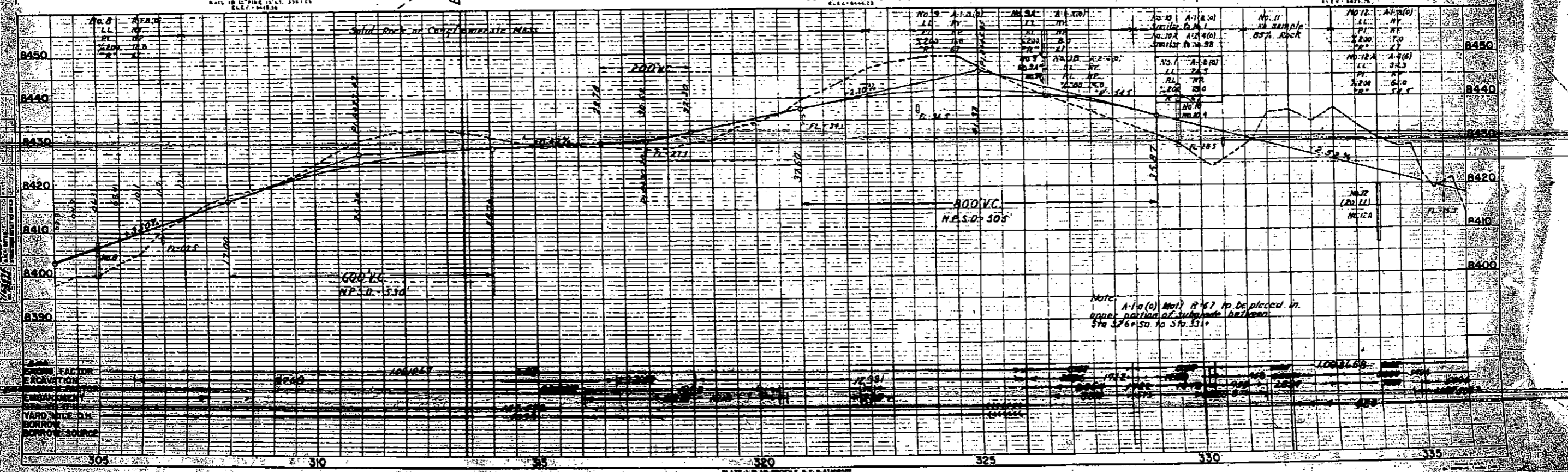
RIO GRANDE NATIONAL FOREST

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
COLORADO	S. 0170	18	



$Z = 10^{\circ} 49' R$
 $D = 1^{\circ} 20'$
 $T = 406.9'$
 $L = 811.3'$
 $R = 4297.5'$
 $HSD = 730'$

Clearing & Grubbing
 305+ to 314+ - Light Brush & Stumps
 314+ to 330+ - Scattered Pines & Brush
 330+ to 335+ - Light Brush & Scattered Large Pines



FACTOR
 ELEVATION
 SURFACE
 YARD
 SOURCE

NE 1/4 SEC. 31

RIO GRANDE NATIONAL FOREST

SW 1/4, SE 1/4, SEC. 30, T41N, R2E

PER. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	S 0117(1)	18	18

Rev. ROW - 1-11-52
 Rev. ROW - 7-23-52, J.C.R.

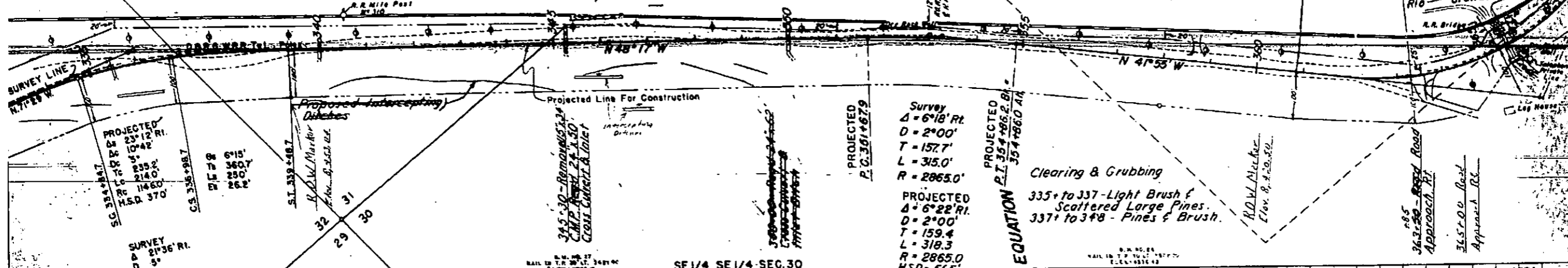
50
 P.I. 335+98.4 PROJ
 P.I. 336+04.0 SUR
 335+50 - *Revised 2.4.50*
 Cross Culvert & Inlet

49
 340+00 - *Revised 2.4.50*
 Cross Culvert & Inlet

Survey
 P.I. 393+00
 PROJECTED
 P.I. 393+27.3

358+55 Road
 Approach Rt.

PROJECTED
 P.I. 408+81
 P.I. 408+81
 P.I. 408+81
 P.I. 408+81
 P.I. 408+81
 H.S.D. 300'



PROJECTED
 Δ = 23° 12' RI.
 D = 1042'
 T = 352'
 L = 2140'
 R = 1460'
 H.S.D. 370'

W.F. 8
 Δ = 9°
 D = 360'
 T = 250'
 L = 262'

SURVEY
 Δ = 21° 36' RI.
 D = 5°

Proposed *intercepting*
 Ditches

Projected Line For Construction

345+30 - *Revised 2.4.50*
 C.M.P. *Revised 2.4.50*
 Cross Culvert & Inlet

PROJECTED
 P.C. 391+67.9

Survey
 Δ = 6° 18' RI.
 D = 2° 00'
 T = 157.7'
 L = 315.0'
 R = 2865.0'

PROJECTED
 Δ = 6° 22' RI.
 D = 2° 00'
 T = 159.4'
 L = 318.3'
 R = 2865.0'
 H.S.D. 662'

PROJECTED
 P.I. 354+86.2 RI.
 EQUATION
 354+86.0 AN

Clearing & Grubbing
 335+ to 337 - Light Brush &
 Scattered Large Pines.
 337+ to 348 - Pines & Brush.

R.O.W. *Revised*
 Elev. 8,720.50

362+50 - *Revised*
 Approach Rt.

365+00 Road
 Approach Rt.



ITEM	FACTORS
EXCAVATION	1.00
EMBANKMENT	1.00
STATIONING	1.00
WARDVILLE O.M.	1.00
WORKMANSHIP	1.00
TOTAL	1.00

335+50 to 337+50
 100' ELEV. *Revised*
 OF H.S.D. 162+50

PLATE H.S.D. PROFILE S.P.A. STANDARD

SE 1/4, SW 1/4 SEC. 30 T41N R2E

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
COLORADO	S0117 (I)	17	17

Rev. A-11-52-R.O.W.-J.C.R.
 Rev. B-12-52-R.O.W.-J.C.R.
 Rev. C-12-52-J.P.K. Deleted Pit

