

INDEX OF SHEETS

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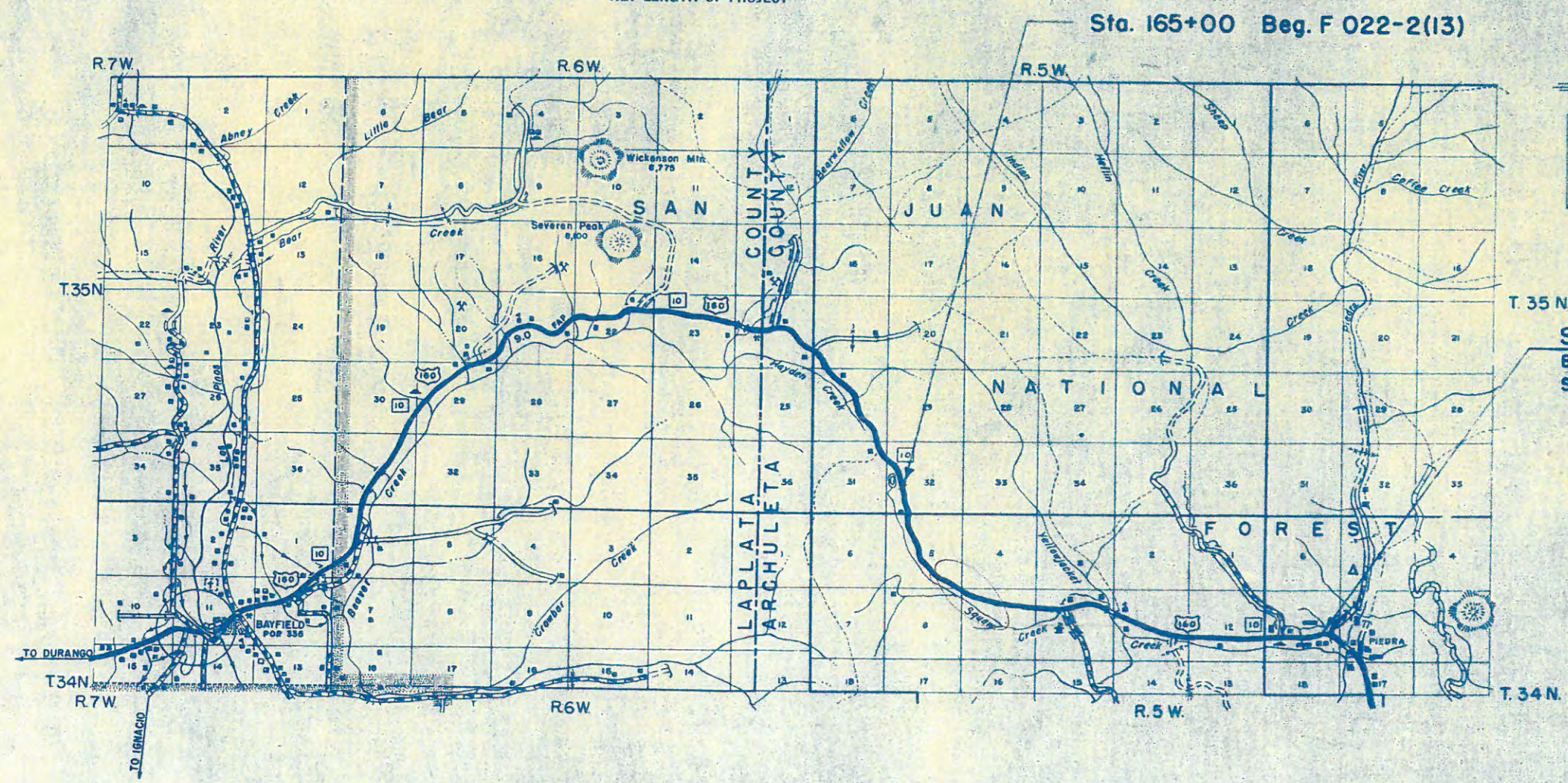
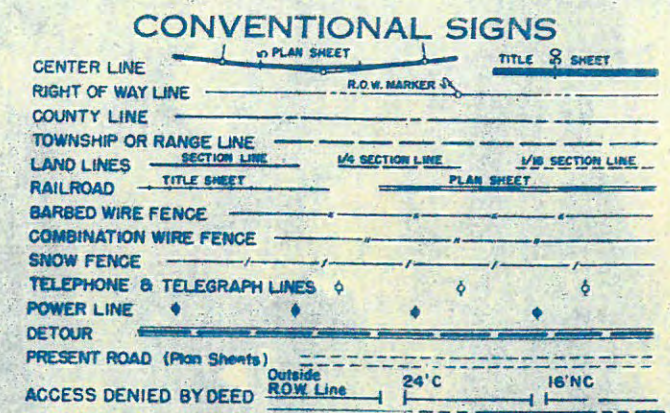
COLORADO STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. F 022-2(13) STATE HIGHWAY NO. 10 ARCHULETA COUNTY RIGHT OF WAY

SCALES OF ORIGINAL DRAWINGS
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
NET LENGTH OF PROJECT

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.
9	COLORADO	F 022-2(13)

RIGHT OF WAY Rev. 6-12-58 Access C



Sta. 165+00 Beg. F 022-2(13)

Sta. 510+00 End F 022-2
Begin F022-2(10) =
Sta. 510+00 on FAP 298-62

R. O. W. TABULATION OF PROPERTIES IN ARCHULETA COUNTY S.H.No. 10 PROJ. F 022-2(13)

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.
9	COLORADO	F 022-2 (13)	2

RIGHT OF WAY 4-18-68 Add U.S. FOREST LAND

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES						REMARKS
				PARCEL	TO BE ACQUIRED					
			T.35N.,R.5W.,N.M.P.M.							
1	SAN JUAN NATIONAL FOREST		S.1/2 N.W. 1/4 SEC. 32							
2	LEWIS L. McINNES & VERA M. McINNES		E.1/2 S.W. 1/4 SEC. 32	13.356	6.392					
			T.34N.,R.5W.,N.M.P.M.							
2-A	LEWIS L. McINNES & VERA M. McINNES		N.E. 1/4 N.W. 1/4 SEC. 5	0.633	0.633					
3	SAN JUAN NATIONAL FOREST		S.E. 1/4 SEC. 32	0.290	0.003					
4	SAN JUAN NATIONAL FOREST		N.W. 1/4 N.E. 1/4 SEC. 5	7.146	3.886					
5	LEWIS L. McINNES & VERA M. McINNES		S.W. 1/4 N.E. 1/4 SEC. 5	6.854	3.686					
6	SAN JUAN NATIONAL FOREST		S.E. 1/4 SEC. 5	13.476	8.265					
7	SAN JUAN NATIONAL FOREST		S.W. 1/4 SEC. 4	10.996	10.996					
8	SAN JUAN NATIONAL FOREST		N. 1/2 SEC. 9	23.812	23.812					
9	CHARLES J. & ANN HYLAND, DENNIS N. HANSEN, WILLIE P. & ODELL E. PURCELLA		S.W. 1/4 N.W. 1/4, N. 1/2 S.W. 1/4, & N.W. 1/4 S.E. 1/4 SEC. 10	17.102	10.006					
10	LESLIE HALVERSON		N.E. 1/4 S.E. 1/4 SEC. 10 & N.W. 1/4 S.W. 1/4 & S.W. 1/4 N.W. 1/4 SEC. 11	9.359	3.117					
11	SAN JUAN NATIONAL FOREST		S.E. 1/4 N.W. 1/4 SEC. 11	3.542	2.492					
12	JOE I. & GRACIE MAY PACKARD		N.E. 1/4 S.W. 1/4 & S.E. 1/4 SEC. 11	12.449	6.790					
12-A	ANN YATES OLIVER & ROBERT H. OLIVER	5801 MERRYMONT RD. FT. WORTH, TEXAS	S.E. 1/4 SEC. 11	0.199	0.061					
13	THOMAS R. FORD	CHIMNEY ROCK, COLORADO	S.W. 1/4 & W. 1/2 S.E. 1/4 SEC. 12	18.436	8.328					
14	SAN JUAN NATIONAL FOREST		N.E. 1/4 S.E. 1/4 SEC. 12, T.34N.,R.5W. & N.W. 1/4 S.W. 1/4 SEC. 7, T.34N.,R.4W.,N.M.P.M.	14.671	8.588					
15-A	SAN JUAN LUMBER COMPANY, INC.		S.E. 1/4 S.E. 1/4 SEC. 12, T.34N.,R.5W. & S.W. 1/4 S.W. 1/4 SEC. 7, T.34N.,R.4W.,N.M.P.M.	0.485	0.262					
15	SAN JUAN LUMBER COMPANY, INC.		T.34N.,R.4W.,N.M.P.M. N.E. 1/4 S.W. 1/4 & N.W. 1/4 S.E. 1/4 SEC. 7	8.102	3.440					
16	WAYNE FARROW a/k/a CLIFFORD WAYNE FARROW		N.E. 1/4 S.E. 1/4 SEC. 7	2.180	0.498					
16-A	WAYNE FARROW a/k/a CLIFFORD WAYNE FARROW		N.W. 1/4 S.W. 1/4 SEC. 7	0.241	0.042					

E. 1/2, S.W. 1/4, Sec. 32, T. 35N., R. 5W.

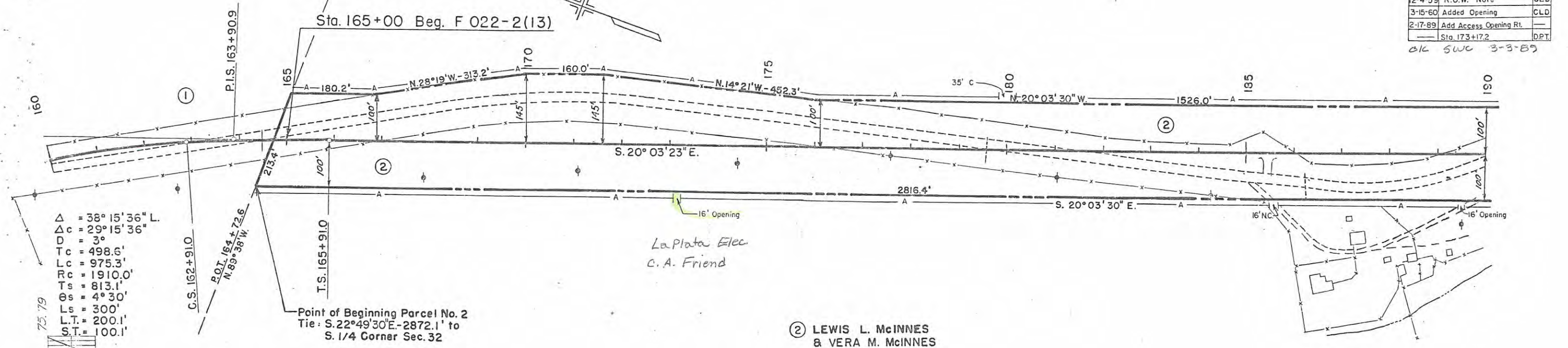
PIEDRA RIVER - WEST

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 022-2 (13)	3	

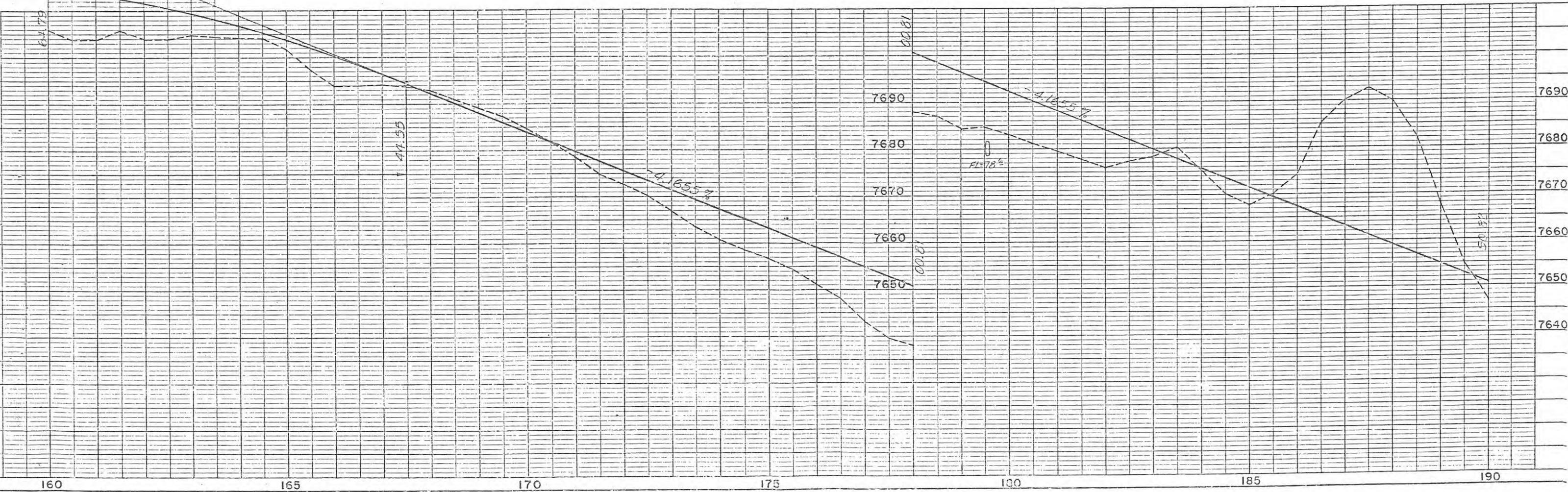
RIGHT OF WAY		
REVISIONS		
6-12-58	Access	CLD
6-18-58	Changed Access Open.	FCM
12-4-59	R.O.W. Note	CEB
3-15-60	Added Opening	CLD
2-17-89	Add Access Opening Rt.	
	Sta. 173+17.2	D.P.T.

CLD SWC 3-3-89

① SAN JUAN NATIONAL FOREST



② LEWIS L. McINNES
& VERA M. McINNES



Sec. 32, T.35N, R.5W.

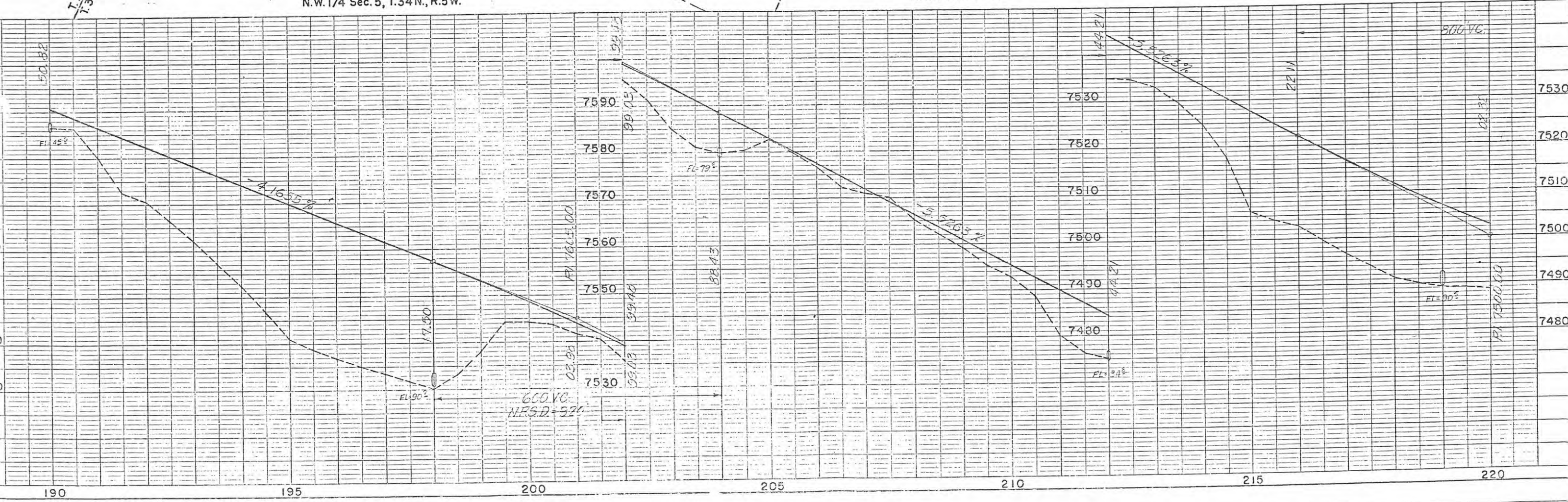
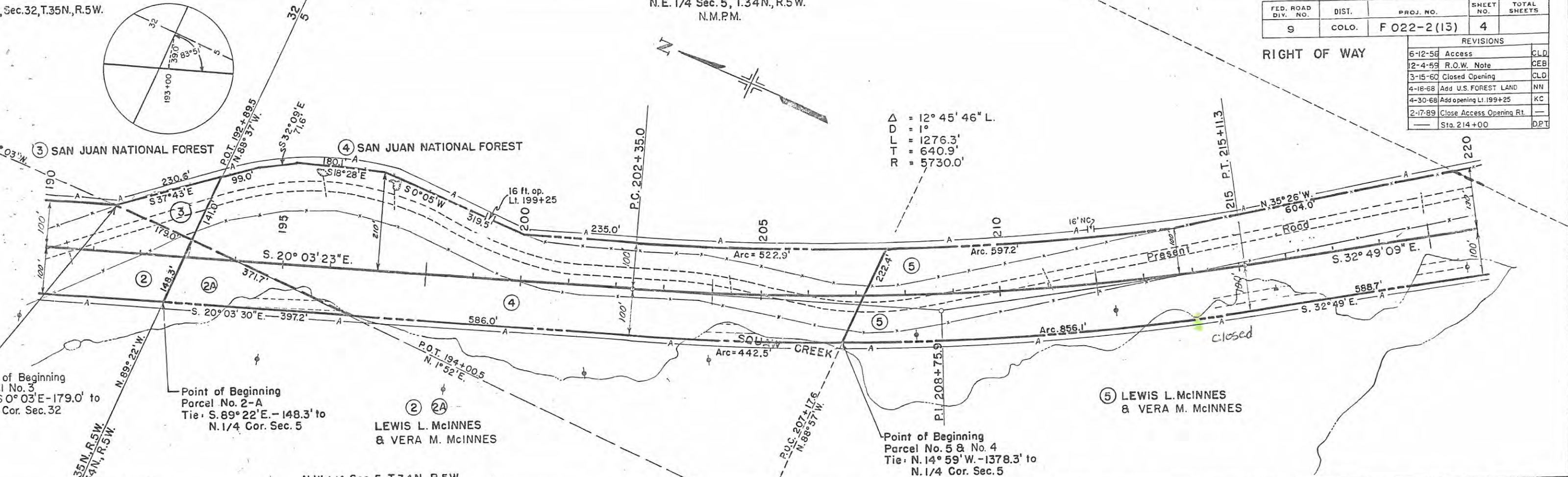
N.E. 1/4 Sec. 5, T.34N, R.5W.
N.M.P.M.

PIEDRA RIVER - WEST

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 022-2(13)	4	

RIGHT OF WAY

REVISIONS		
6-12-58	Access	CLD
12-4-59	R.O.W. Note	CEB
3-15-60	Closed Opening	CLD
4-18-68	Add U.S. FOREST LAND	NN
4-30-68	Add opening Lt. 199+25	KC
2-17-89	Close Access Opening Rt.	
	Sta. 214+00	D.P.T



N.E. 1/4 Sec. 5, T.34N., R.5W.

S.E. 1/4 Sec. 5, T.34N., R.5W.

S.W. 1/4, Sec. 4, T.34N., R.5W.

PIEDRA RIVER - WEST

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	TO SHEET
9	COLO.	F 022-2 (13)	5	

RIGHT OF WAY

REVISIONS	
5-12-58	Access
12-4-59	R.O.W. Note
4-18-68	Add U.S. FOREST LAI

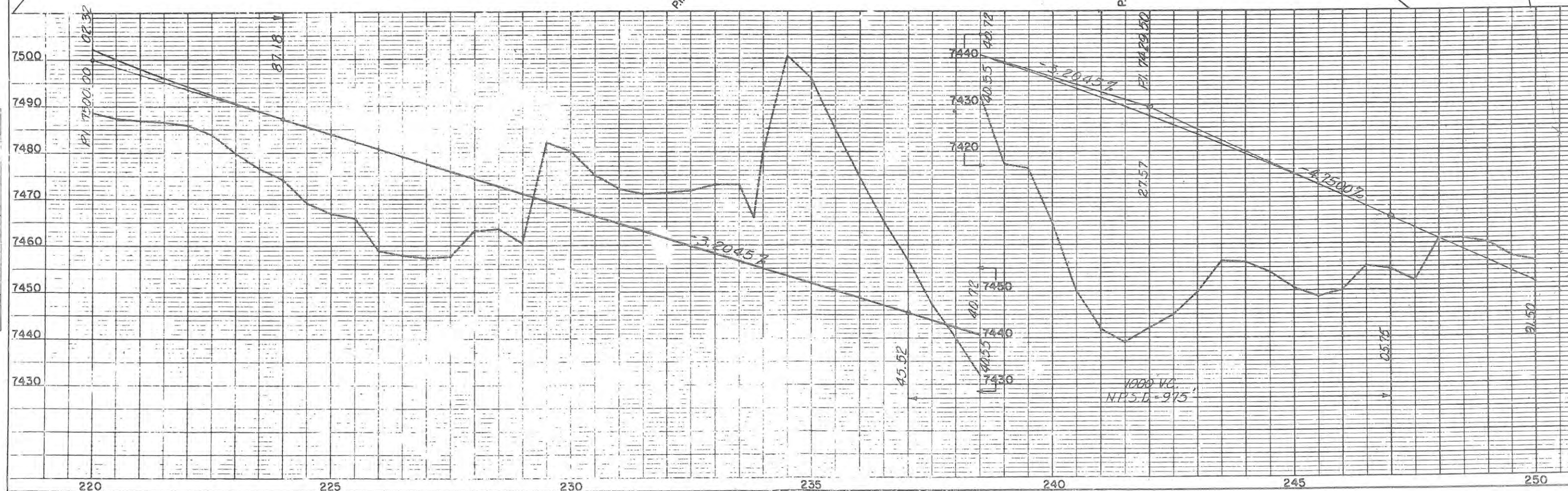
$\Delta = 26^{\circ}34'26''$
 $\Delta c = 22^{\circ}34'26''$
 $D = 2^{\circ}00'$
 $Lc = 1128.7'$
 $Tc = 571.8'$
 $R = 2865.0'$
 $Ts = 776.7'$
 $\theta s = 2^{\circ}00'$
 $Ls = 200.0'$
 $L.T. = 133.3'$
 $S.T. = 66.7'$

⑥ SAN JUAN NATIONAL FOREST

⑦ SAN JUAN NATIONAL FOREST

NOTE: ROAD (ALWAYS) CORRECTED
BY "S" IN WAY CHANGES

NOTE: PLAIN UNLESS OTHERWISE
NOTED
STRUCTURE NOTES KECH-RO

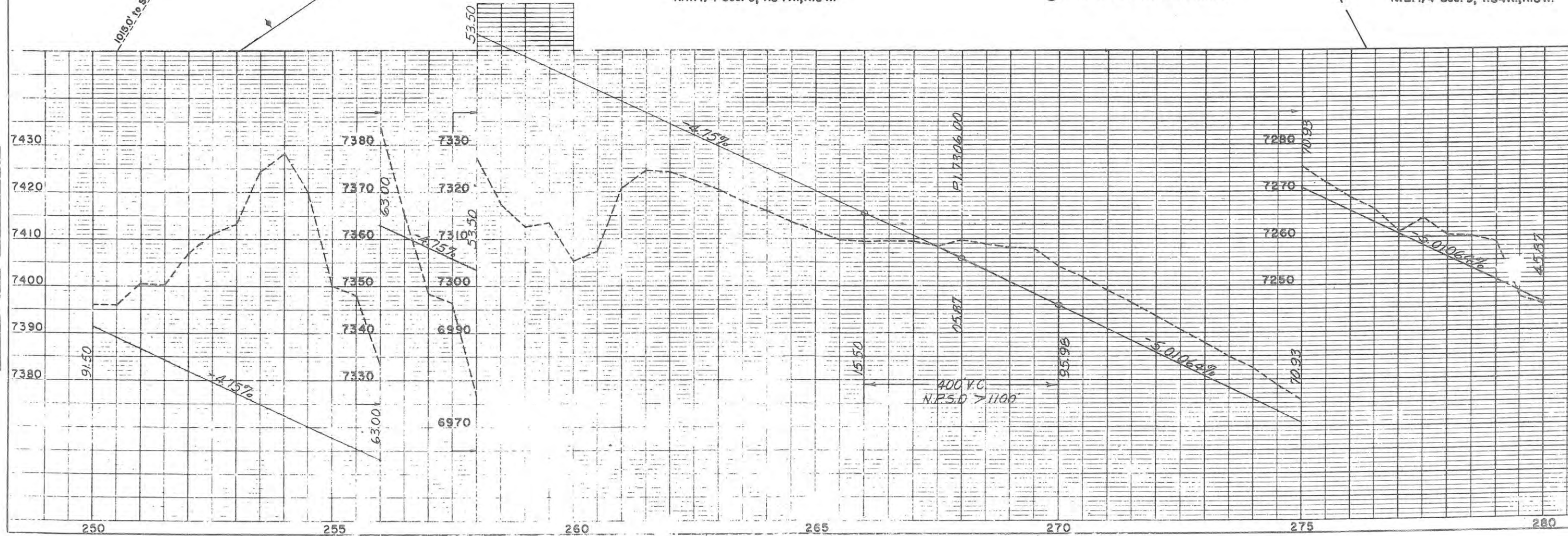
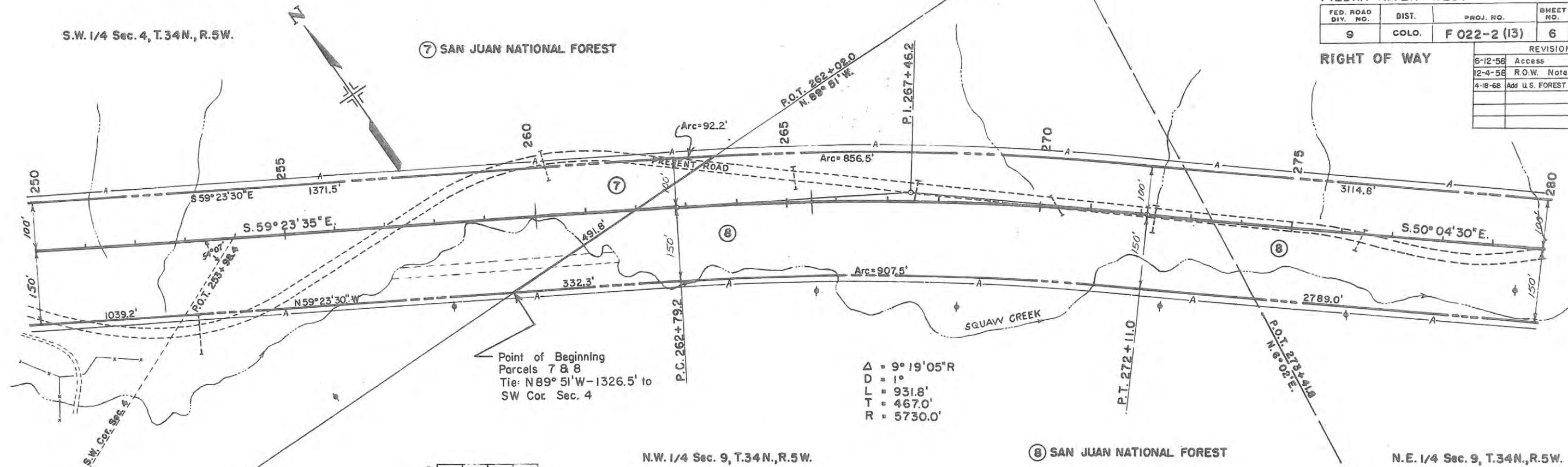


PIEDRA RIVER - WEST

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	T OF
9	COLO.	F 022-2 (13)	6	

RIGHT OF WAY

REVISIONS	
6-12-58	Access
12-4-58	R.O.W. Note
4-18-68	Add U.S. FOREST LAND



N.E. 1/4 Sec. 9, T.34N., R.5W.

N.W. 1/4 Sec. 10, T.34N., R.5W.

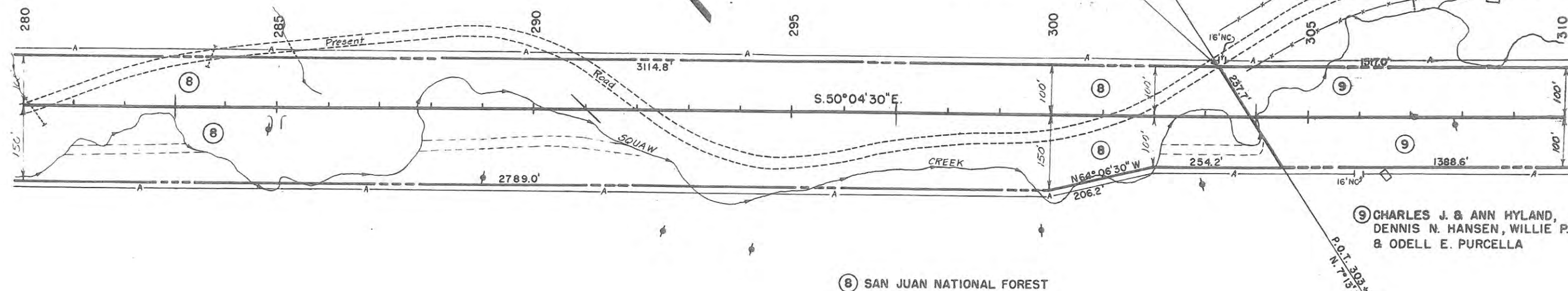
PIEDRA RIVER - WEST

FED. ROAD DIV. NO.	DIST.	PROJ. NO.	SHEET NO.	S
9	COLO.	FO22-2(13)	7	

RIGHT OF WAY

REVISION	DATE	BY	DESCRIPTION
6-12-58			Access
12-4-59			R.O.W. Note
4-18-68			Add. U.S. FOREST

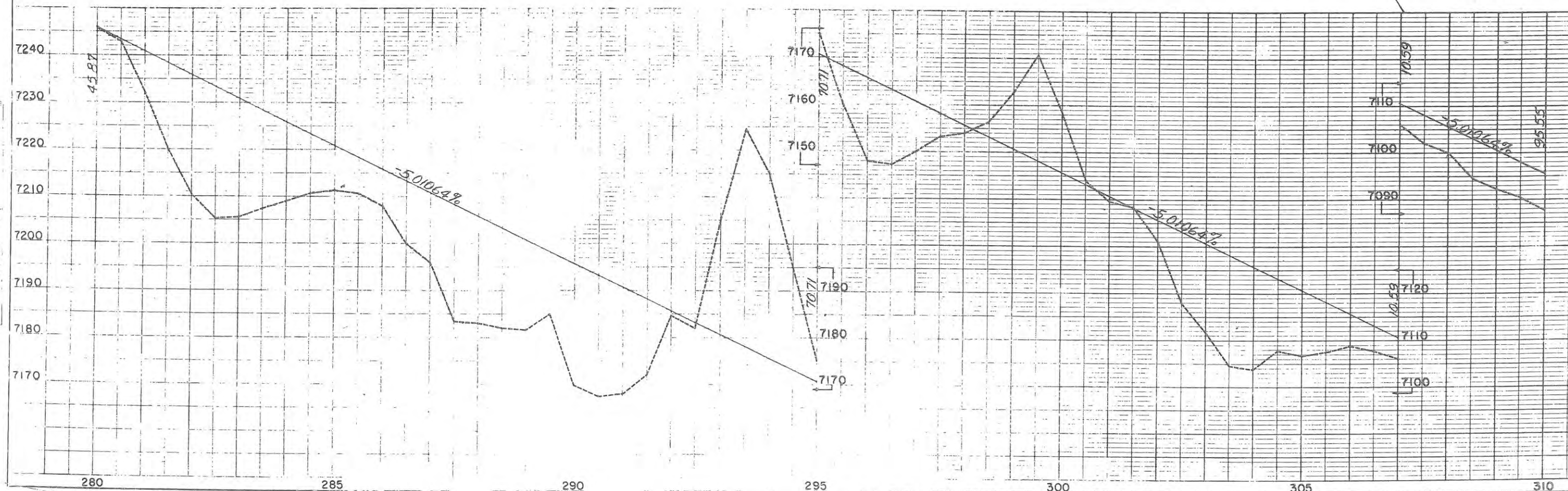
Point of Beginning
Parcel No. 9
Tie: N. 7°13' E. - 2375.7' to
N.W. Cor. Sec. 10



⑨ CHARLES J. & ANN HYLAND,
DENNIS N. HANSEN, WILLIE P.
& ODELL E. PURCELLA

⑧ SAN JUAN NATIONAL FOREST

S.W. 1/4 Sec. 10, T.34N., R.5W.



FED. ROAD DIV. NO.	DIST.	PROJ. NO.
9	COLO.	F 022-2 (13)

PLAN	SURVEYED	DATE	BY
	PLOTTED		
	ALIGNED		
	NOTED		
	STRUCTURE		

PROFILE	SURVEYED	DATE	BY
	PLOTTED		
	GRADES		
	NOTED		
	STRUCTURE		

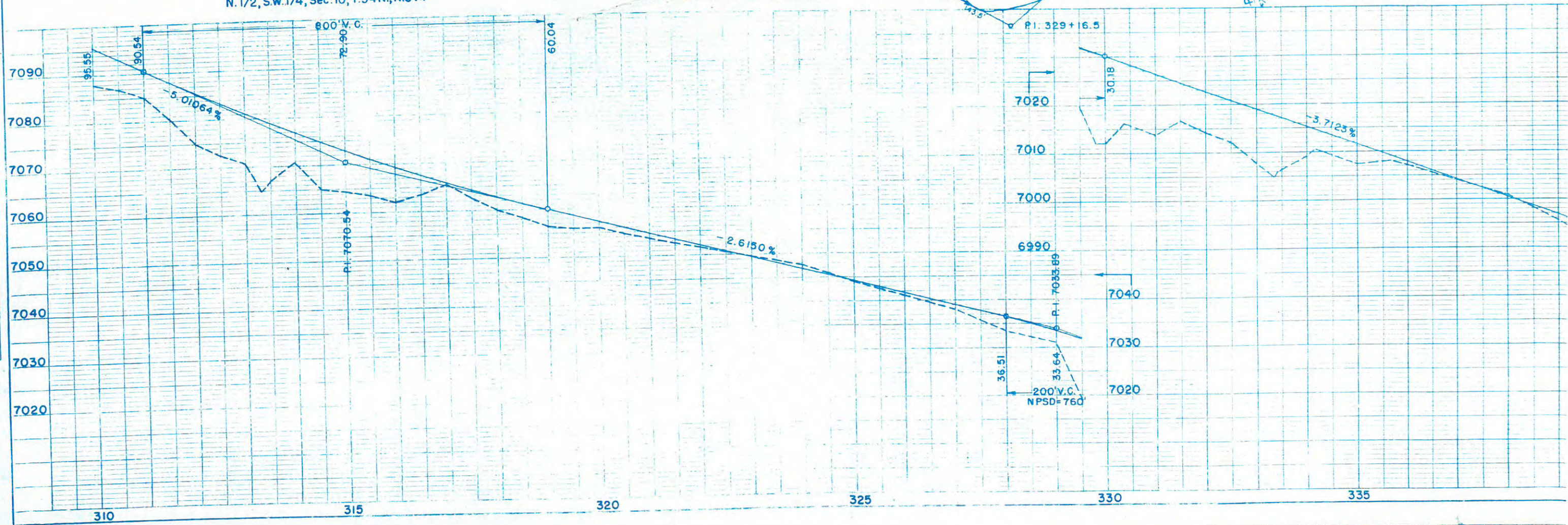
$\Delta = 60^\circ 59' 25''$ L
 $\Delta c = 35^\circ 59' 25''$
 $D = 5^\circ$
 $Tc = 372.2'$
 $Lc = 719.8'$
 $Rc = 1146.0'$
 $Ts = 929.8'$
 $\theta s = 12^\circ 30'$
 $Ls = 500.0'$
 $L.T. = 334.2'$
 $S.T. = 167.4'$

$\Delta = 70^\circ 59' 25''$ L
 $Ts = 1073.3'$
 $\theta s = 12^\circ 30'$
 $Ls = 500.0'$
 $\Delta c = 45^\circ 59' 25''$
 $Dc = 5^\circ 00'$
 $Tc = 486.3'$
 $Lc = 919.8'$
 $Rc = 1146.0'$
 $L.T. = 334.2'$
 $S.T. = 167.4'$

⑨ CHARLES J. & ANN HYLAND
DENNIS N. HANSEN, WILLIE P.
& ODELL E. PURCELLA

SAN JUAN NATIONAL FOREST
S. 1/2, S.W. 1/4, Sec. 10, T. 34N., R. 5W.

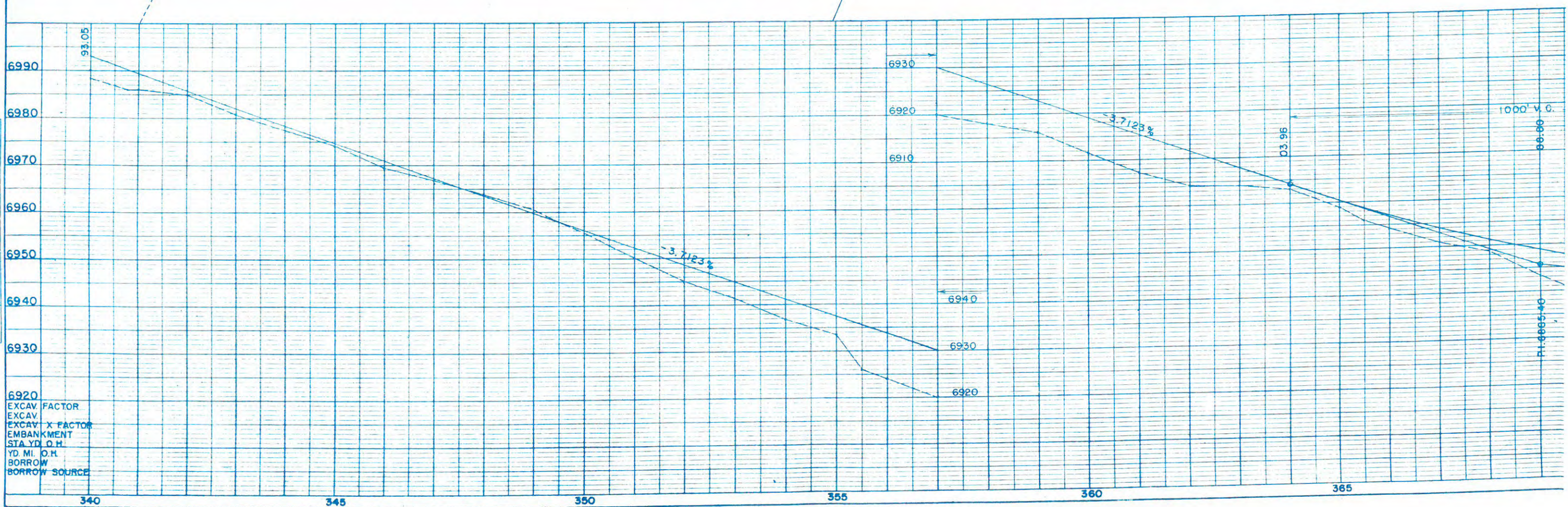
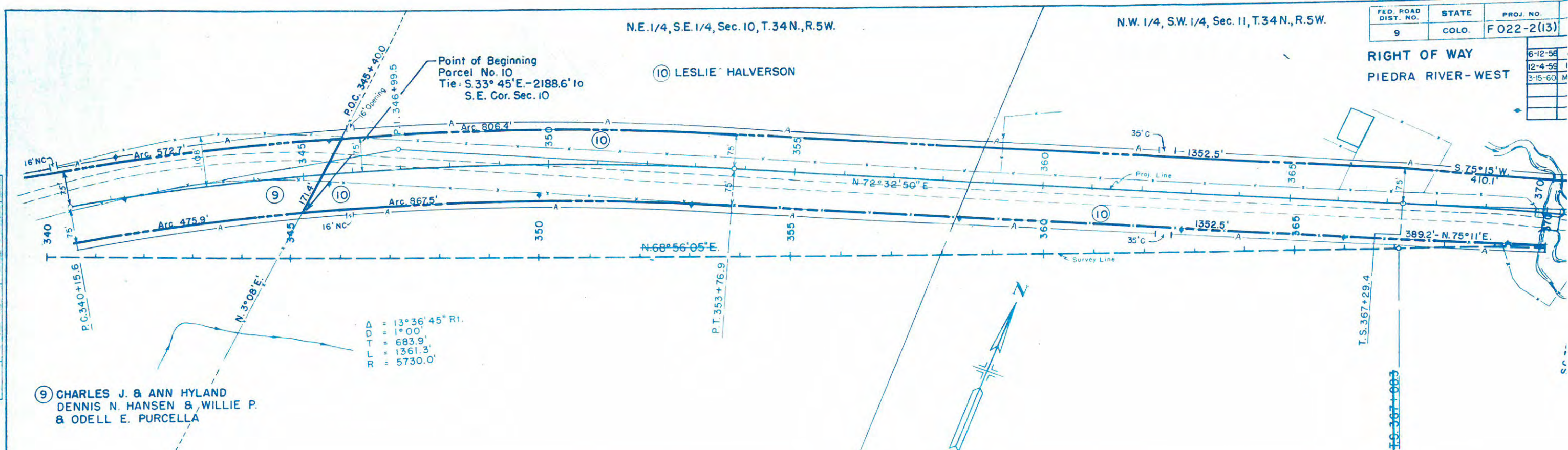
S. 1/2, S.E. 1/4, Sec. 10, T. 34N., R. 5W.



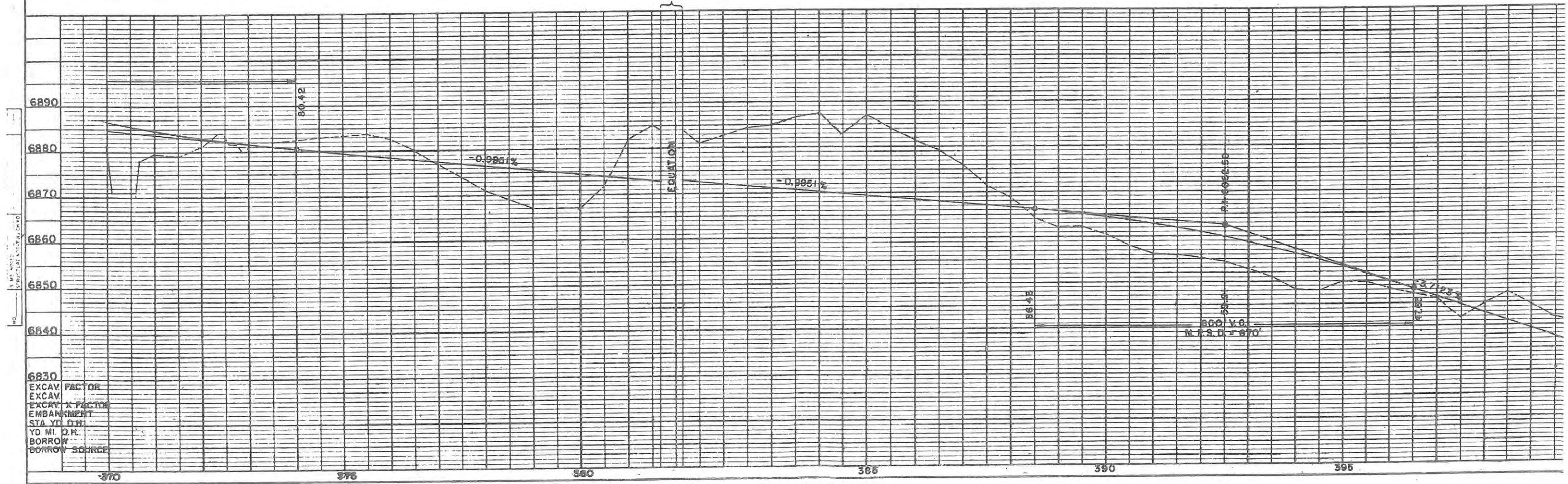
FED. ROAD DIST. NO.	STATE	PROJ. NO.
9	COLO.	F 022-2(13)

RIGHT OF WAY
PIEDRA RIVER - WEST

6-12-58	
12-4-59	
3-15-60	M



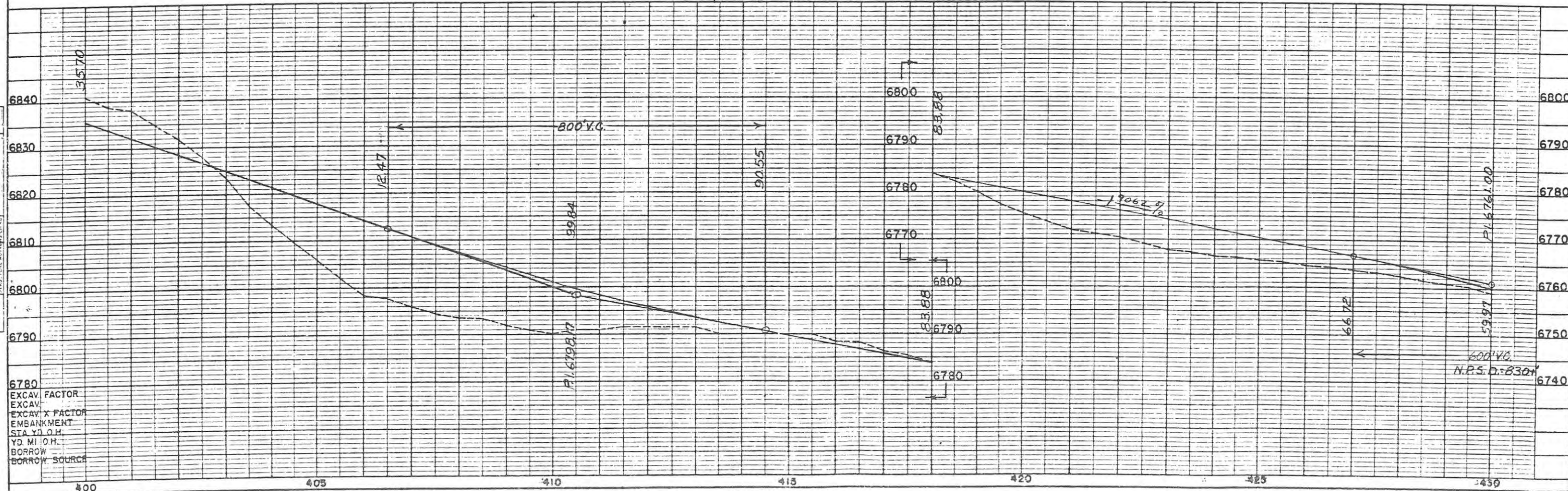
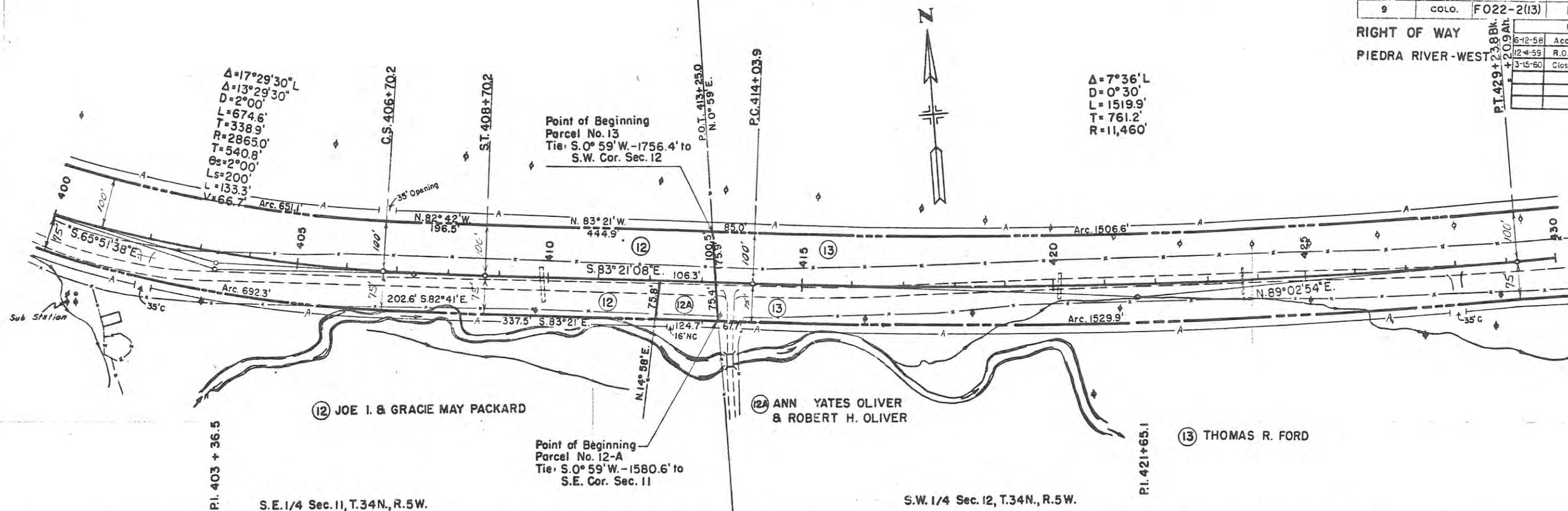
REVISIONS		
6-12-58	Access	CLD
12-4-59	R.Q.W. Note	CEB
3-15-60	Add Openings	CLD
4-18-68	Add U.S. FOREST LAND	NN



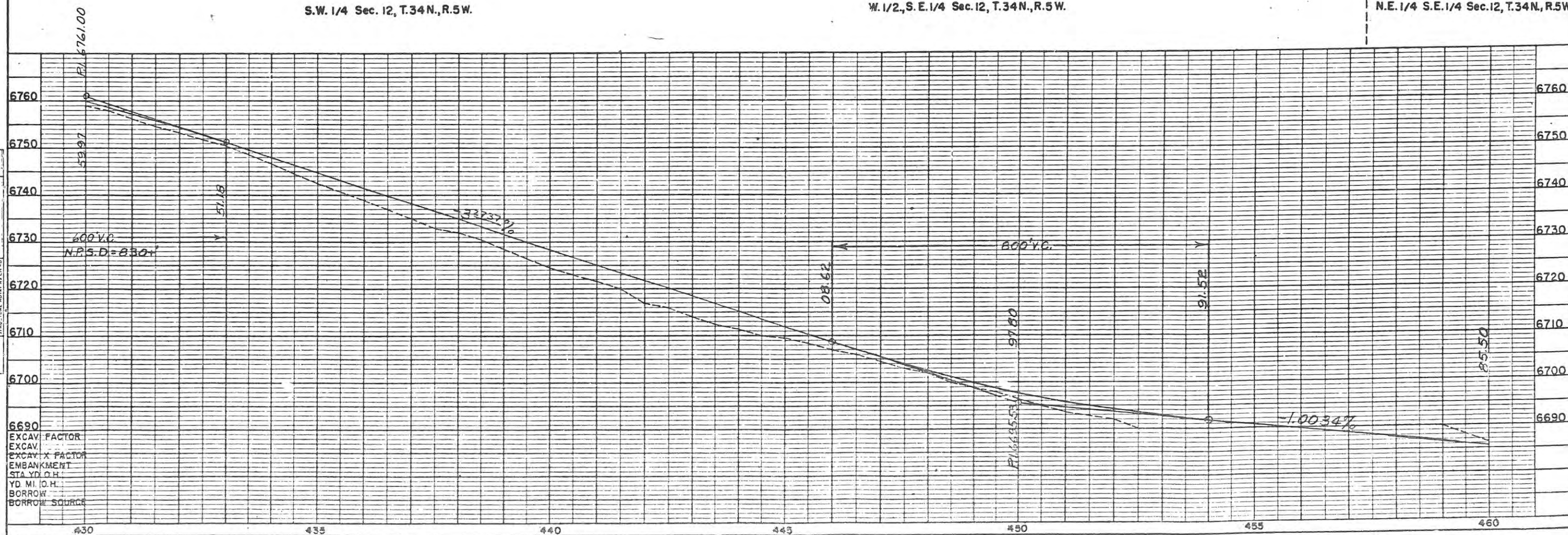
FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F022-2(13)	11	

REVISIONS		
6-12-58	Access	CLD
12-4-59	R.O.W. Note	CEB
3-15-60	Close & Add Openings	CLD

RIGHT OF WAY
PIEDRA RIVER-WEST



RIGHT OF WAY		REVISIONS	
I. 457+280 10° 29' E.	6-12-58	Access	CL
	12-4-59	R.O.W. Note	E
	4-6-68	Add U.S. FOREST LAND	NN
	8/15/83	Add Opening 441+ Close	
	—	Opening 423+	DA

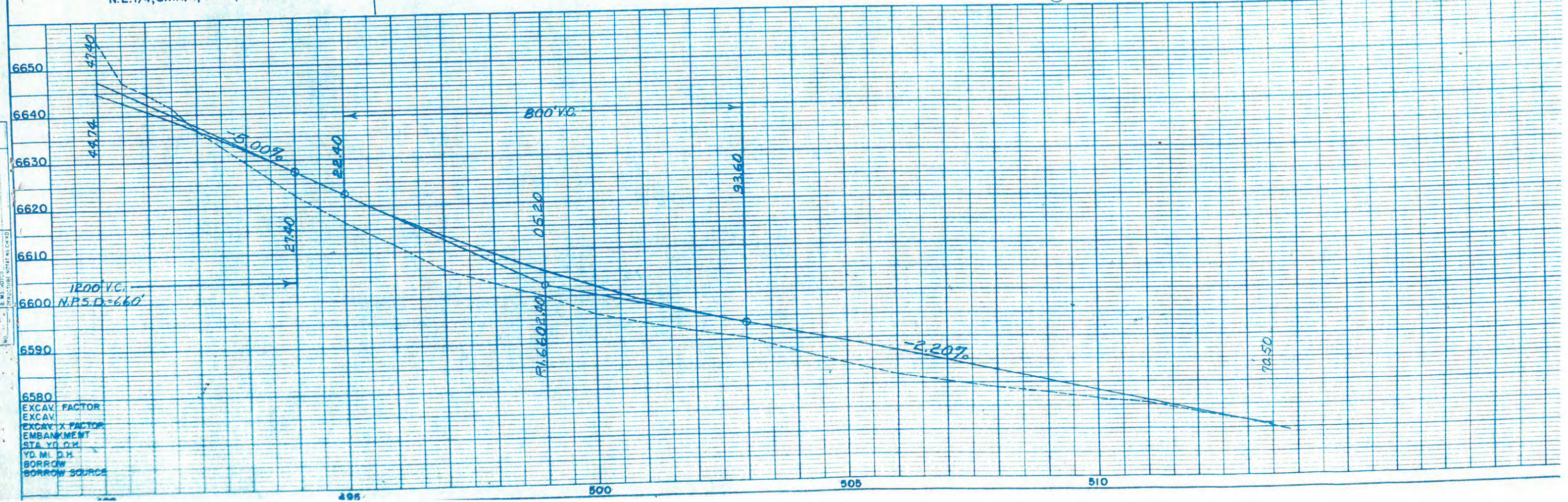
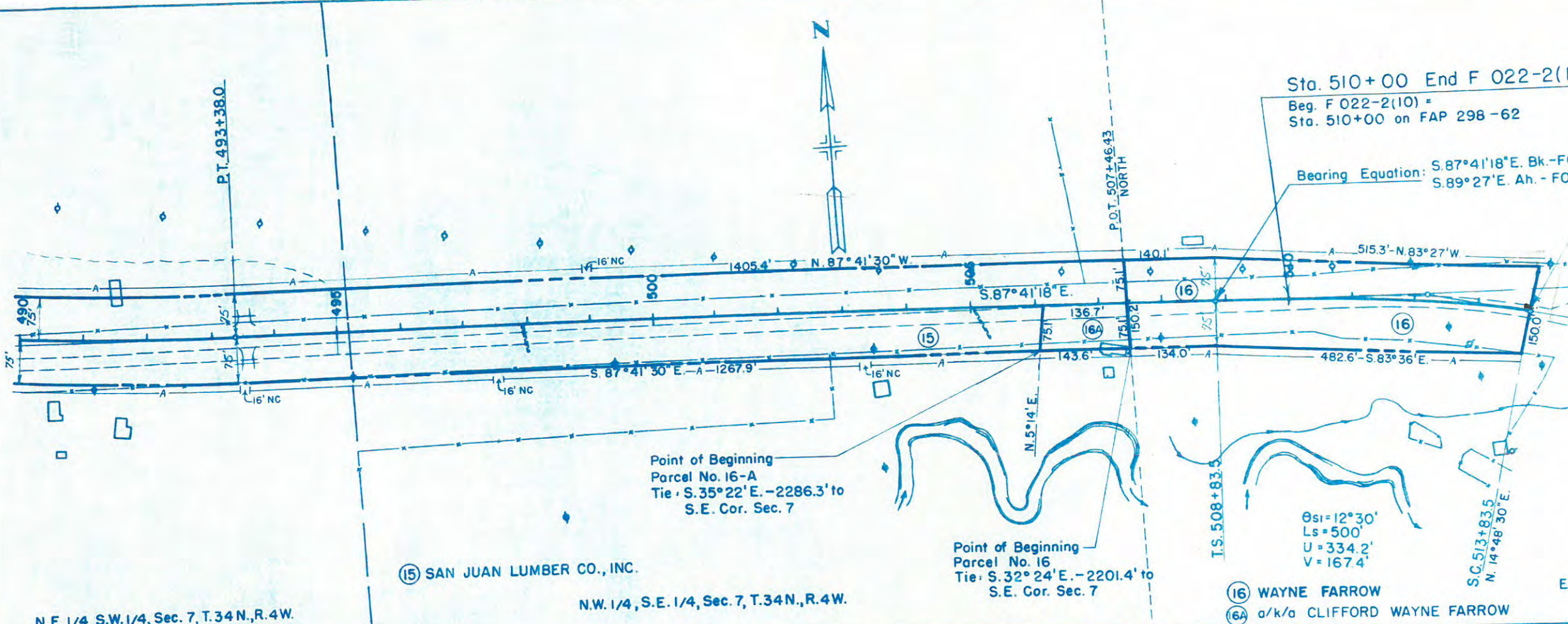


FED. ROAD DIST. NO.	STATE	PROJ. NO.
9	COLO.	F 022-2(13)

RIGHT OF WAY	
6-12-58	A
12-4-59	R

Sta. 510+00 End F 022-2(13) =
 Beg. F 022-2(10) =
 Sta. 510+00 on FAP 298-62

Bearing Equation: S. 87° 41' 18" E. Bk. - F022-2 (3) =
 S. 89° 27' E. Ah. - F022-2 (10)
 Sta. 513+83.5 End Approach to



NOTE BOOK ALIGNMENT CHECKED
 RT. OF WAY CHECKED
 NO.

NOTE BOOK GRADES CHECKED
 NO.

EXCAV. FACTOR
 EXCAV.
 EXCAV. X FACTOR
 EMBANKMENT
 STA. YD. C.H.
 YD. MI. D.H.
 BORROW
 BORROW SOURCE

PIT NO. 1, PLANT MIX AGGREGATE,
STONE SCREENINGS, SUB-BASE
MATERIAL, SURFACING & STR. BACKFILL

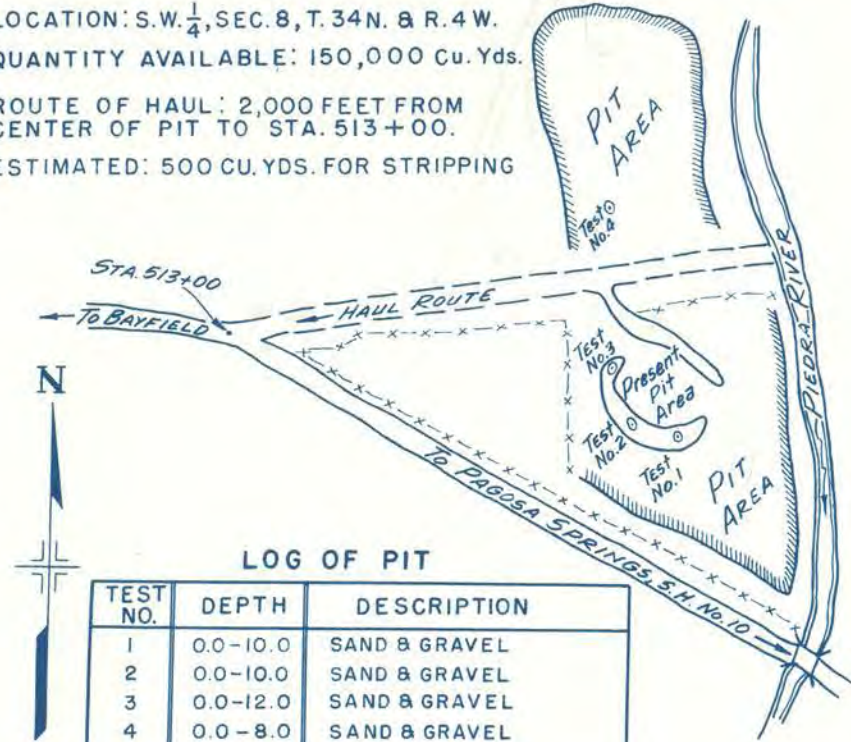
SAMPLE NO. 2371

OWNER: WAYNE FARROW, CHIMMEY ROCK, COLO.

LOCATION: S.W. 1/4, SEC. 8, T. 34N. & R. 4W.

QUANTITY AVAILABLE: 150,000 Cu. Yds.

ROUTE OF HAUL: 2,000 FEET FROM
CENTER OF PIT TO STA. 513+00.
ESTIMATED: 500 CU. YDS. FOR STRIPPING



LOG OF PIT		
TEST NO.	DEPTH	DESCRIPTION
1	0.0-10.0	SAND & GRAVEL
2	0.0-10.0	SAND & GRAVEL
3	0.0-12.0	SAND & GRAVEL
4	0.0-8.0	SAND & GRAVEL
5	—	TWO SACKS LARGE ROCK

R.O.W. MARKERS

STATION	SIDE	NO. REQUIRED
T.S. 165+91.0	Lt. & Rt.	2
181+00	Lt.	1
P.C. 202+35	Lt. & Rt.	2
P.T. 215+11.3	Rt.	1
228+00	Lt.	1
S.T. 249+07.7	Rt.	1
P.C. 262+79.2	Lt.	1
276+00	Rt.	1
289+00	Lt.	1
302+00	Lt.	1
T.S. 318+43.2	Lt. & Rt.	2
S.T. 337+63.0	Lt. & Rt.	2
P.T. 353+76.9	Lt. & Rt.	2
T.S. 367+29.4	Lt.	1
395+00	Lt.	1
S.T. 408+70.2	Lt. & Rt.	2
P.T. 429+20.0	Lt. & Rt.	2
442+00	Rt.	1
455+00	Rt.	1
P.C. 470+40.7	Rt.	1
P.C. 485+90.3	Lt.	1
500+00	Rt.	1
TOTAL (36 FT. R'DW'Y)		19
TOTAL (24 FT. R'DW'Y)		10

It is estimated that Sub-base material & Gravel Surfacing for the Project is available in the vicinity of the Pit indicated in the following tabulations.

Estimated quantities involved in this operation are shown below. Alteration of the plans as here outlined will be allowed only on written permission from the Department.

SUB-BASE MATERIAL PLAN

MATERIAL BE	TO PLACED	SOURCE & "R" VALUE	TONS USED		TON MILE OVERHAUL
			THICKNESS	CLASS 2	
165+00 ~ 175+00			18"	5,160	35,527
175+00 ~ 262+00			12"	30,102	179,589
262+00 ~ 301+00			6"	5,421	25,874
301+00 ~ 348+00			12"	16,262	64,381
348+00 ~ 368+00			8"	4,020	13,363
Irregularities in Subgrade				6,097	31,873
From list of Structures				794	4,152
Est. for Approach to Project				2,580	18,130
368+00 ~ 381+69.2 BK.			8"	2,382	7,158
381+17.9 AH. ~ 461+00			8"	13,889	29,445
461+00 ~ 485+00			12"	6,768	7,688
485+00 ~ 510+00		PIT No. 1	8"	4,350	2,923
Irregularities in Subgrade				2,739	4,721
From list of Structures				300	517
Est. for Approach to Project				668	267
TOTALS (36 FT. R'DW'Y)				70,436	372,889
TOTALS (24 FT. R'DW'Y)				31,096	52,719

Based on Curve "E"
Leveling Course

SURFACING PLAN

MATERIAL BE	TO PLACED	SOURCE & "R" VALUE	PLANT MIXED ASPH. SURF.	BASE COURSE (GRADING C)	TON MILE OVERHAUL
			TONS	TONS	
165+00 ~ 368+00			15,631	20,706	183,757
From list of Structures			215	1,199	7,151
368+00 ~ 370+00			126	186	994
370+00 ~ 381+69.2 BK.			679	971	4,927
381+17.9 AH. ~ 510+00		PIT No. 1	7,472	10,693	30,073
From list of Structures			100	1,105	2,157
TOTALS (36 FT. R'DW'Y)			15,846	21,905	190,908
TOTALS (24 FT. R'DW'Y)			8,377	12,955	38,151

"R" Value for Base Course only.

TIMBER GUARD POSTS

STATION	SIDE	SPACING	NO POSTS
165+00 ~ 166+00	Rt.	100'	2
171+50	Lt.	Culvert	1
174+00	Lt.	Culvert	1
177+00 ~ 182+00	Rt.	100'	6
184+50		Culvert	2
190+00 ~ 200+00	Rt.	100'	11
192+50 ~ 199+50	Lt.	100'	8
202+35 ~ 205+99	Rt.	91'	5
204+50	Lt.	Culvert	1
208+72 ~ 215+09	Rt.	91'	8
211+00	Lt.		1
216+00 ~ 229+00	Rt.	100'	14
217+50 ~ 219+50	Lt.	100'	3
233+75		Culvert	2
237+07 ~ 247+31	Rt.	64'	17
239+63 ~ 246+67	Lt.	64'	12
251+18		Culvert	2
253+00		Culvert	2
256+50 ~ 261+50	Rt.	100'	6
258+00 ~ 261+00	Lt.	100'	4
262+79 ~ 265+52	Rt.	91'	9
265+50	Lt.	Culvert	1
267+50		Culvert	2
270+30		Culvert	2
275+50		Culvert	2
280+00 ~ 293+00	Rt.	100'	14
282+50 ~ 283+50	Lt.	100'	3
287+00 ~ 291+00	Lt.	100'	5
295+00 ~ 297+00	Rt.	100'	3
297+00	Lt.	Culvert	1
301+50 ~ 305+50	Rt.	100'	5
303+00 ~ 306+00	Lt.	100'	4
307+50	Rt.	Culvert	1
311+50 ~ 316+50	Lt.	100'	6
320+43 ~ 323+43	Rt.	50'	7
321+75	Lt.	Culvert	1
323+84 ~ 324+25	Rt.	41'	2
326+50		Culvert	2
329+99 ~ 330+40	Lt. & Rt.	41'	4
330+81 ~ 332+86	Lt.	41'	6
339+50		Culvert	2
343+50		Culvert	2
355+50 ~ 358+50	Lt. & Rt.	100'	8
369+79 ~ 371+29	Lt. & Rt.	50'	8
374+90		Culvert	2
377+69 ~ 380+19	Rt.	50'	12
378+50	Lt.	Culvert	1
384+50		Culvert	2
388+50		Culvert	2
394+85		Culvert	2
397+50		Culvert	2
403+50 ~ 406+70	Rt.	64'	6
407+20 ~ 408+20	Rt.	50'	3
408+70 ~ 410+70	Lt. & Rt.	100'	6
419+00 ~ 427+00	Rt.	100'	9
432+10		Culvert	2
439+15		Culvert	2
441+50 ~ 443+50	Rt.	100'	3
444+50		Culvert	2
447+55		Culvert	2
461+18		Culvert	2
466+15		Culvert	2
473+00		Culvert	2
475+70		Culvert	2
480+50		Culvert	2
505+00		Culvert	2
TOTAL (36 FT. R'DW'Y)			200
TOTAL (24 FT. R'DW'Y)			78