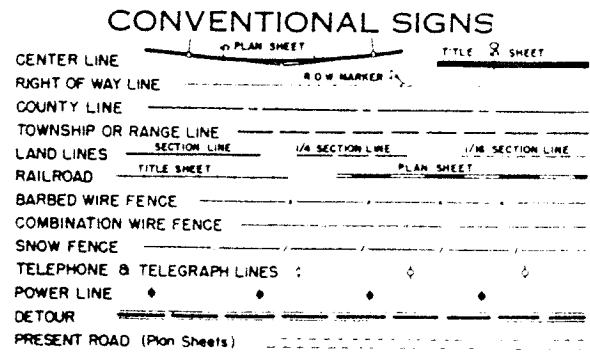




COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. CR 48-0151-06 STATE HIGHWAY NO. 151 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 23,991 FT = 4.544 MI
NET LENGTH OF PROJECT See Tabulation of Length & Design

FEDERAL ROAD REGION NO.	DIVISION	PROJ NO	SHEET NO	TOTAL SHEETS
9	COLORADO	CR 48-0151-06	1	

**RIGHT OF WAY
NAVAJO DAM RELOCATION**

REVISIONS
8-2-60 add Sheet 13

INDEX OF SHEETS

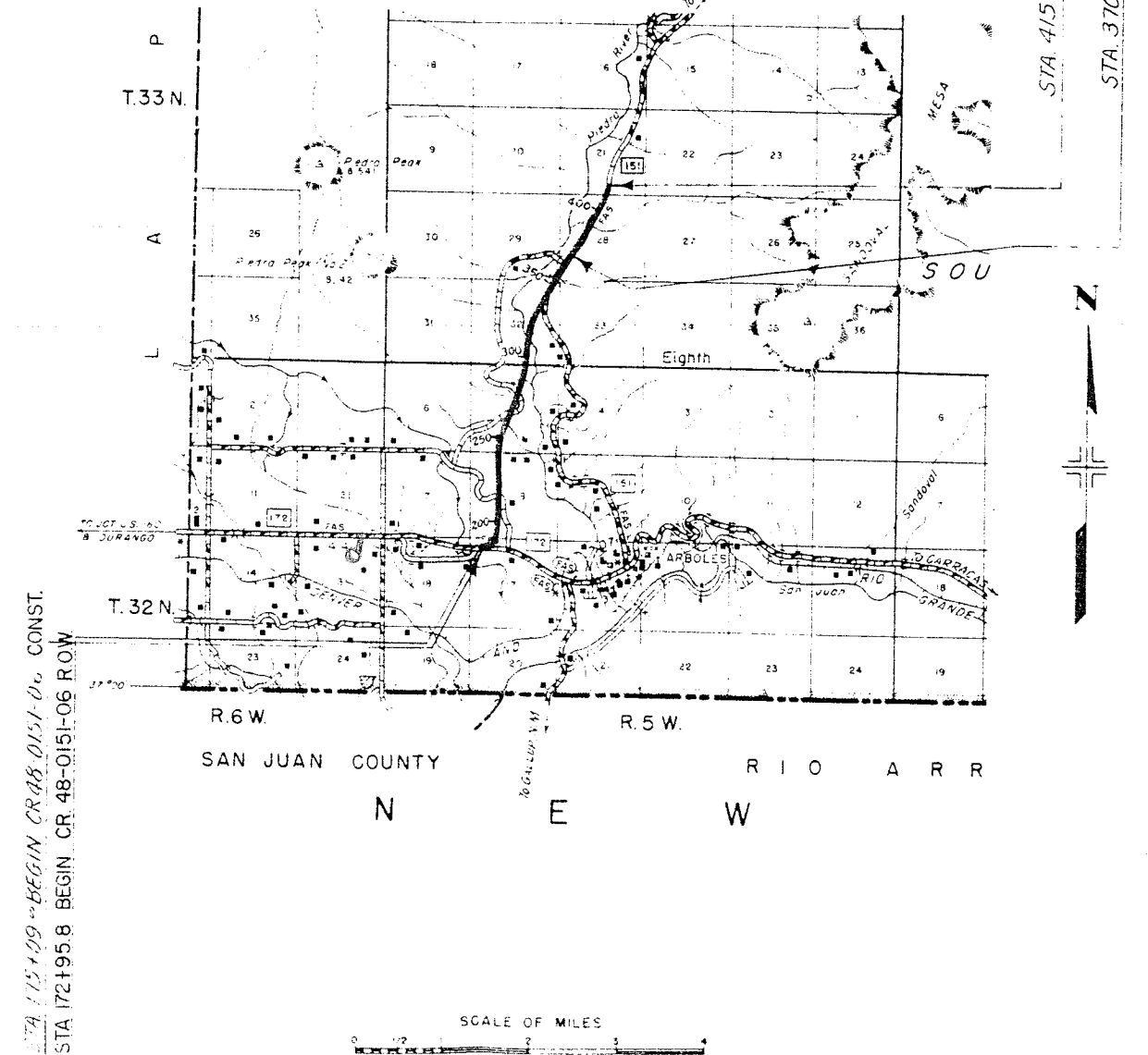
SHEET NO.

- Sketch Map & Title Page
- Tabulation of Properties
- 1-11. Alignment Plan & Profile Showing Minimum Right of Way Requirements
- 12-13 Ownership Map

NOTE:
Descriptions on this project calculated and checked by field forces

TABULATION OF LENGTH & DESIGN DATA

STATION & DESCRIPTION	ROADWAY BRIDGE	
	LIN FT	LIN FT
175+09.8 Begin CR 48-0151-06 Opposite Sta 175+09.8 Begin SD154(6) - End SD154(12)		
226+30.6 End First 0.97 Mile	5121.6	
310+00 - Bridge	8369.4	230.0
315+00 - Bridge		
370+00 End Bureau of Reclamation Participation	5770.0	
415+00 End CR 48-0151-05	4500.0	
TOTAL	23991.0	230.0
SUMMARY		
BUREAU OF RECL. PARTICIPATION		
ROADWAY	19261.0	3.648
BRIDGE	230.0	0.044
TOTAL (NET & GROSS LENGTH)	19,491.0	3.692
NON-BUREAU OF RECL. PARTICIPATION		
ROADWAY	4500.0	0.852
TOTAL (NET & GROSS LENGTH)	4500.0	0.852
DESIGN DATA		
Maximum Degree of Curve	4°30'	
Maximum Grade	7.00 %	
Minimum N.P.S.D. (Horizontal)	497'	
Minimum N.P.S.D. (Vertical)	497'	
Maximum Design Speed	40 mph	



"V" File

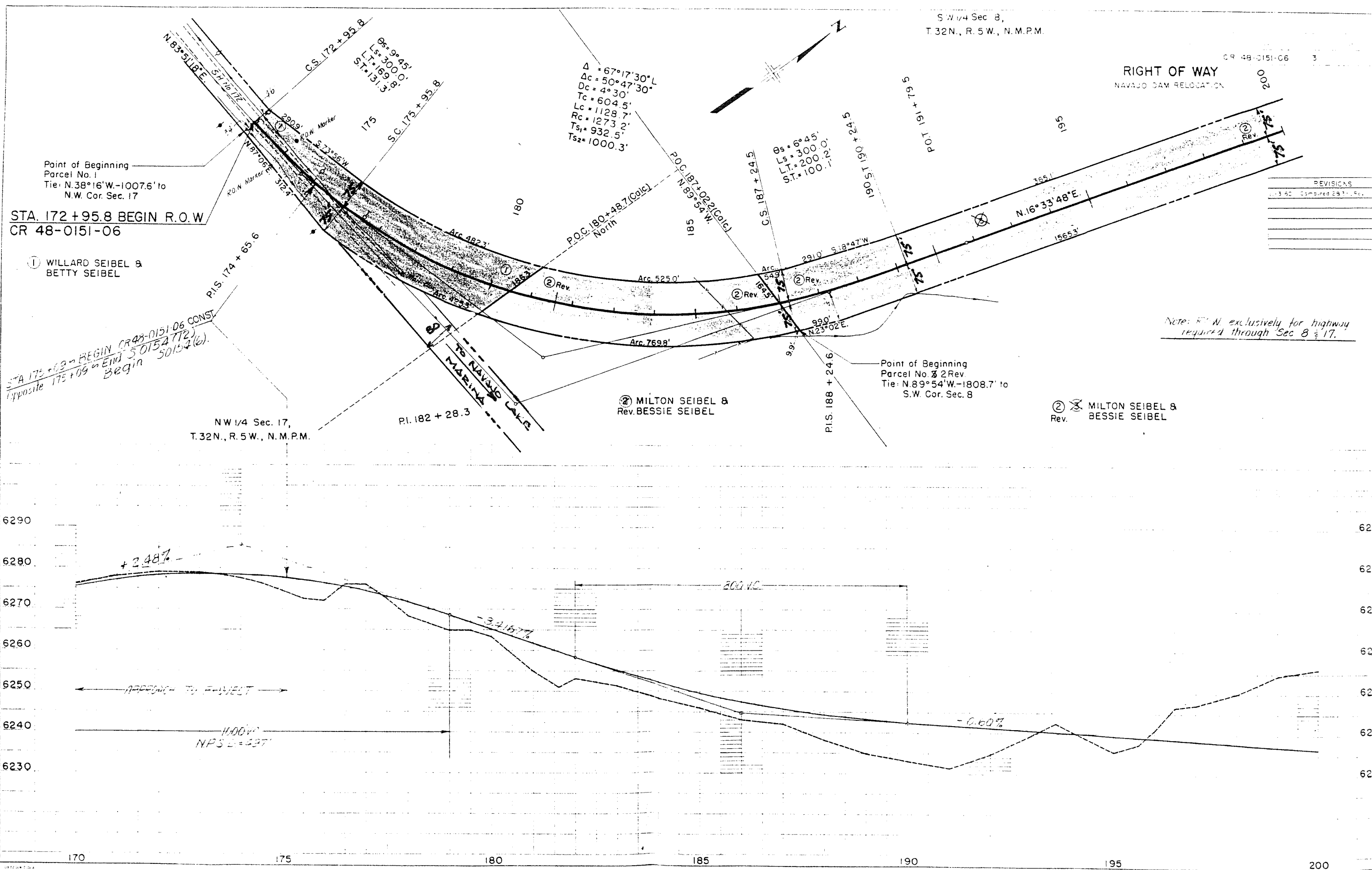
R.O.W. TABULATION OF PROPERTIES IN ARCHULETA COUNTY S.H.No.151 PROJ. CR 48-0151-06

FEDERAL ROAD DIVISION NO	DISTRICT	PROJ. NO	SHEET NO	TOTAL SHEETS
9	COLORADO	CR 48-0151-06	2	

RIGHT OF WAY NAVAJO DAM RELOCATION

2Rev.

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES		ACCESS RIGHTS IN LIN. FT.		DATE OF DESCRIPTION		DATE OF MEMORANDUM OF OWNERSHIP	APPRAISALS		DATE OF SETTLEMENT	COST				REVISIONS		
				PARCEL	TO BE ACQUIRED	LT.	RT.	LAND	ACCESS		NO. 1	NO. 2		LAND ACRES	AMOUNT	DAMAGES	IMPROVEMENTS	1-3-00	Combined 2 & 3+2Rev.	REV.
			T.32N.,R.5W.,N.M.P.M.																	
1	WILLARD SEIBEL & BETTY SEIBEL	ARBOLES, COLORADO	W1/2NW1/4 Sec. 17	2.348	1.448								2-7-61	54.00	-	-		294.00		
2	MILTON SEIBEL & BESSIE SEIBEL	ARBOLES, COLORADO	N1/2NE1/4NW1/4 Sec. 17	2.249	2.249								2-7-61	1,935.00	565.00	-		2,500.00		
3	MILTON SEIBEL & BESSIE SEIBEL	ARBOLES, COLORADO	SW1/4 Sec. 8	9.303	9.103 11.352														2Rev.	
4	ARTHUR CANDELARIA	BOX 127, LUBBOCK, TEXAS	SE1/4NW1/4, N1/2NW1/4 Sec. 8	9.411	9.356								5-26-60					115.00		
5	BUREAU OF RECLAMATION		Sec. 5 & T33N.,R.5W.,N.M.P.M. Sec. 32 & Sec. 29	44.448																
6	SOUTHERN UTE INDIAN ALLOTMENT		S1/2SW1/4 Sec. 28	2.907	2.715								5-2-60		200.00	200.00		400.00		
7	ILAMAE DUNAGAN & EVERETT DUNAGAN (EVERETT Deceased)	PAGOSA SPRINGS, COLORADO	N1/2SW1/4; S1/2NW1/4 Sec. 28	10.625	8.635								5-2-60							
8	SOUTHERN UTE INDIAN ALLOTMENT		N1/2NW1/4 Sec. 28	4.777	4.254															
9	DANIEL MUNOZ	ARBOLES, COLORADO	SE1/4 SW1/4 Sec. 21	1.902	1.268															
TE-5	BUREAU OF RECLAMATION																		REMARKS	
																			Temporary Easement	TE-5
TE-5A	BUREAU OF RECLAMATION																		Temporary Easement	TE-5
TE-5B	BUREAU OF RECLAMATION																		Temporary Easement	TE-5
TE-5C	BUREAU OF RECLAMATION																		Temporary Easement	TE-5



S.W. 1/4 Sec. 8,
T.32N., R.5W., N.M.P.M.

RIGHT OF WAY
NAVAJO DAM RELOCATION

REVISIONS	
1	3.50 Combined 28.1 Rev.

Note: R.O.W. exclusively for highway
required through Sec 8 & 17.

Point of Beginning
Parcel No. 1
Tie: N.38°16'W.-1007.6' to
N.W. Cor. Sec. 17

STA. 172+95.8 BEGIN R.O.W.
CR 48-0151-06

① WILLARD SEIBEL &
BETTY SEIBEL

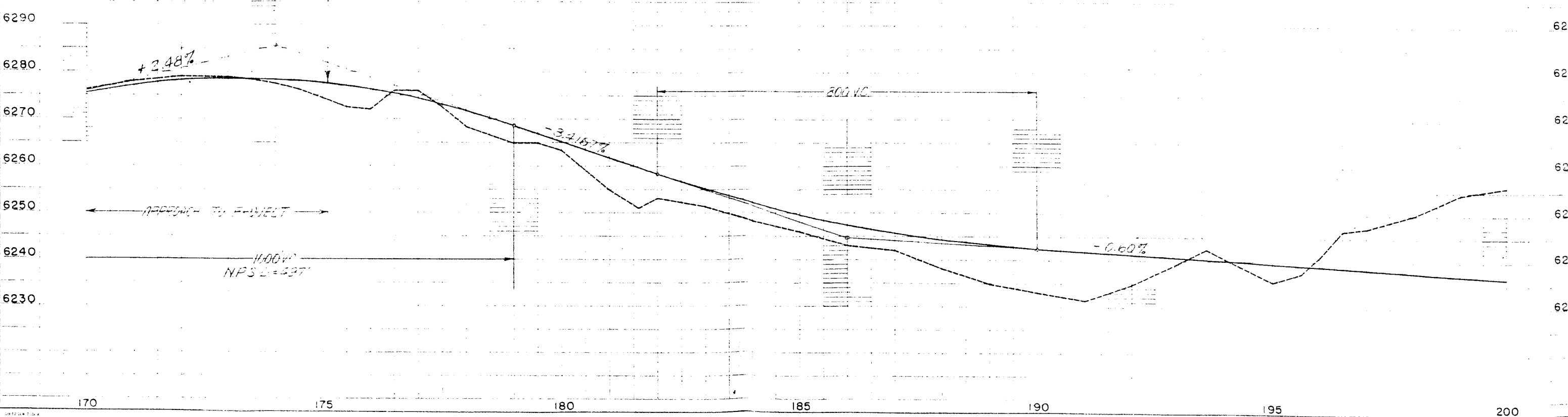
STA 175+09 BEGIN CR 48-0151-06 CONST.
Opposite 175+09 END 50154(12)
Begin 50154(6)

NW 1/4 Sec. 17,
T.32N., R.5W., N.M.P.M.

② MILTON SEIBEL &
Rev. BESSIE SEIBEL

Point of Beginning
Parcel No. 3 2 Rev.
Tie: N.89°54'W.-1808.7' to
S.W. Cor. Sec. 8

② MILTON SEIBEL &
Rev. BESSIE SEIBEL



S.W. 1/4 Sec. 8
T. 32 N., R. 5 W., N.M.P.M.

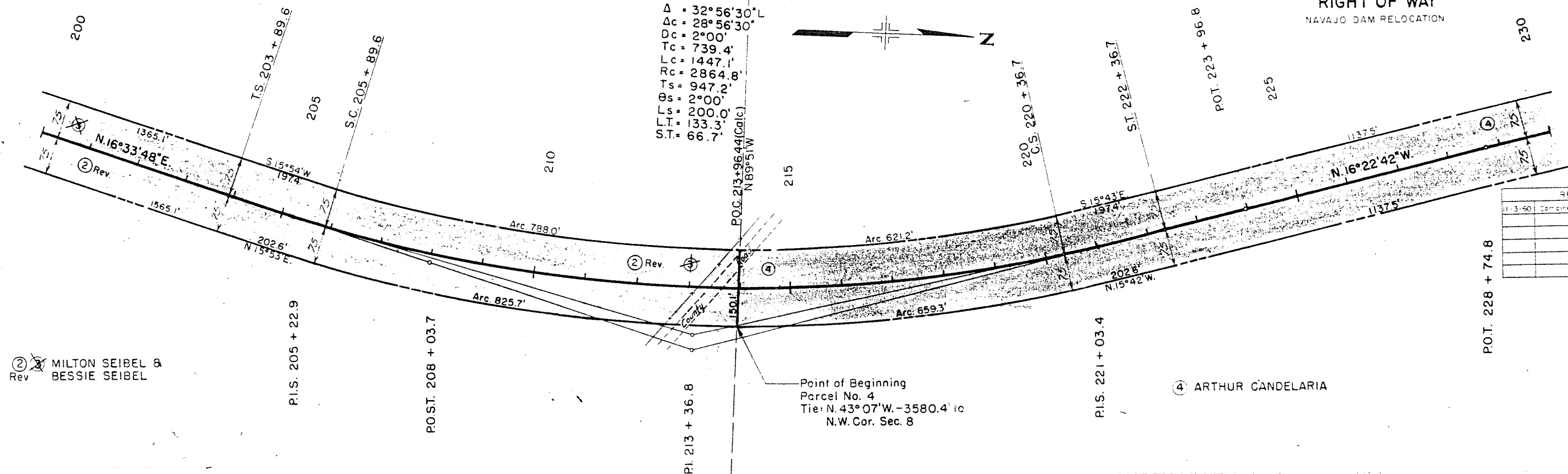
N.W. 1/4 Sec. 8,
T. 32 N., R. 5 W., N.M.P.M.

RIGHT OF WAY
NAVAJO DAM RELOCATION

CR 48-0151-06

4

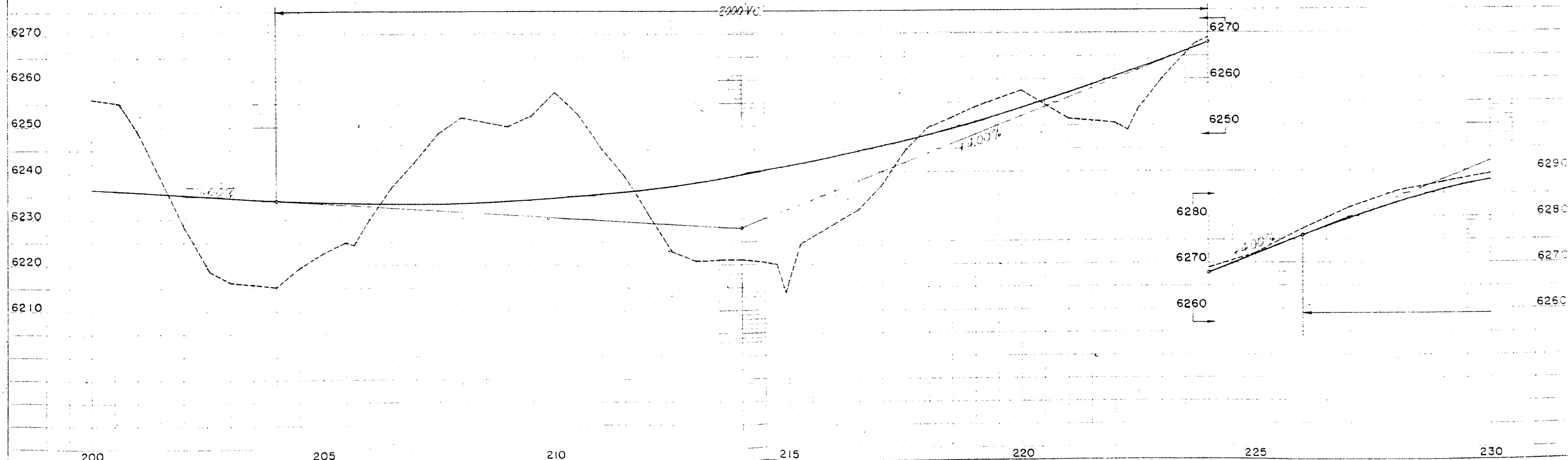
$\Delta = 32^\circ 56' 30''$
 $\Delta c = 28^\circ 56' 30''$
 $Dc = 2^\circ 00'$
 $Tc = 739.4'$
 $Lc = 1447.1'$
 $Rc = 2864.8'$
 $Ts = 947.2'$
 $\theta s = 2^\circ 00'$
 $Ls = 200.0'$
 $L.T. = 133.3'$
 $S.T. = 66.7'$



② Rev. MILTON SEIBEL &
BESSIE SEIBEL

④ ARTHUR CANDELARIA

REVISIONS		
11-3-60	Combined 28.1 + 2 Rev.	EDW



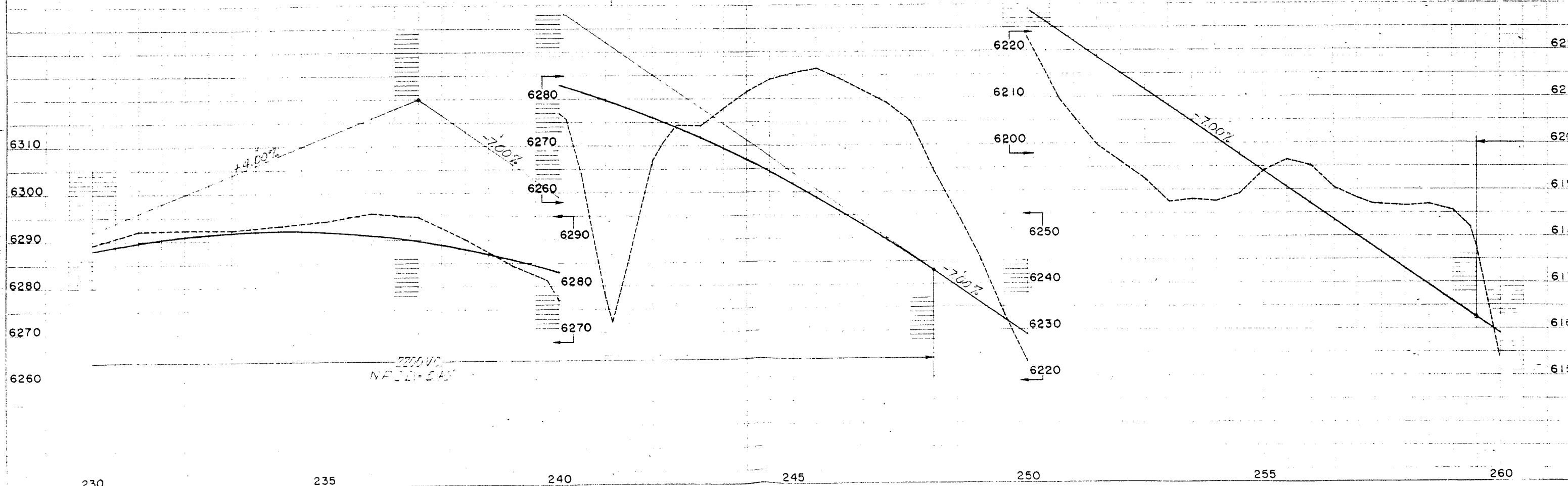
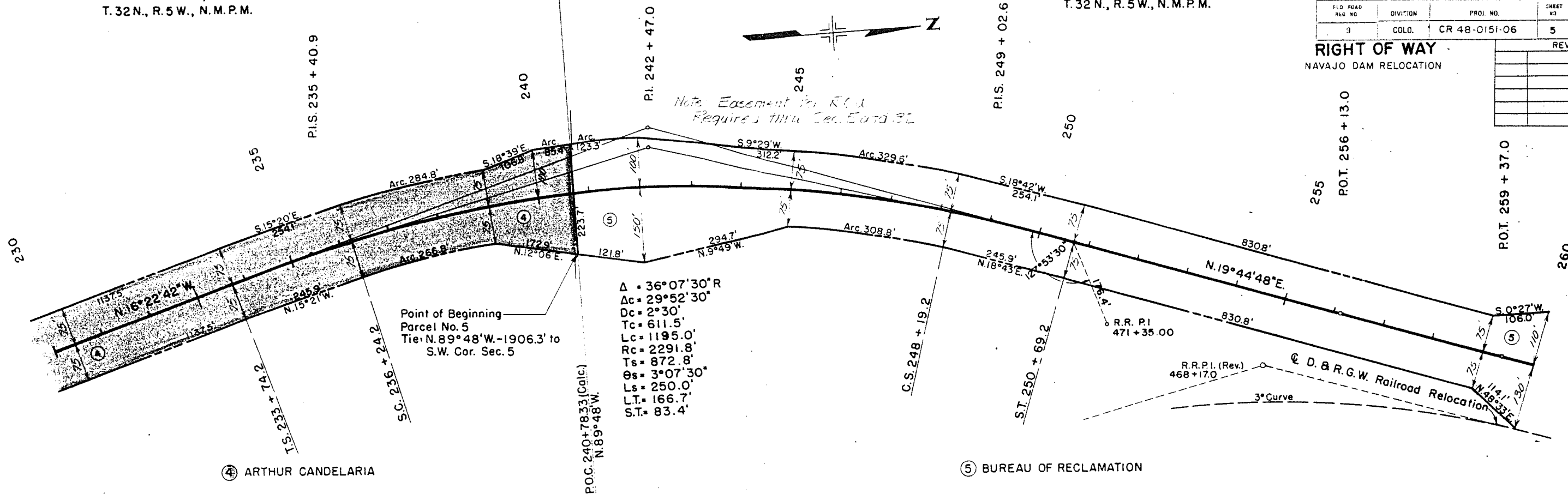
N.W. 1/4 Sec. 8,
T. 32 N., R. 5 W., N.M.P.M.

S.W. 1/4 Sec. 5,
T. 32 N., R. 5 W., N.M.P.M.

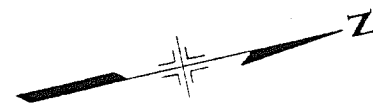
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3	COLO.	CR 48-0151-06	5	

RIGHT OF WAY
NAVAJO DAM RELOCATION

REVISIONS

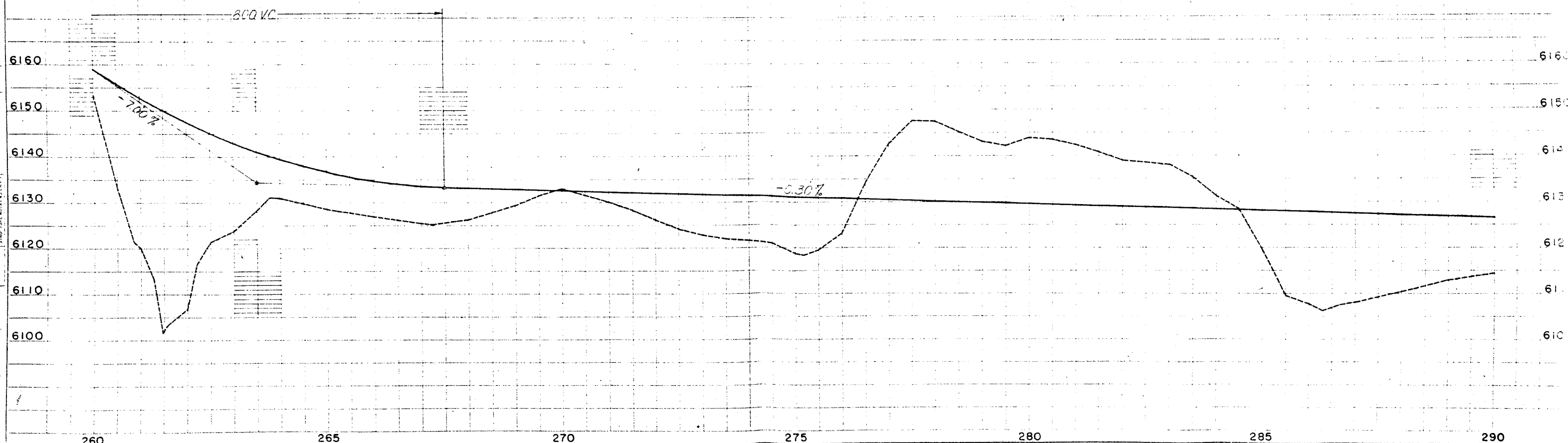
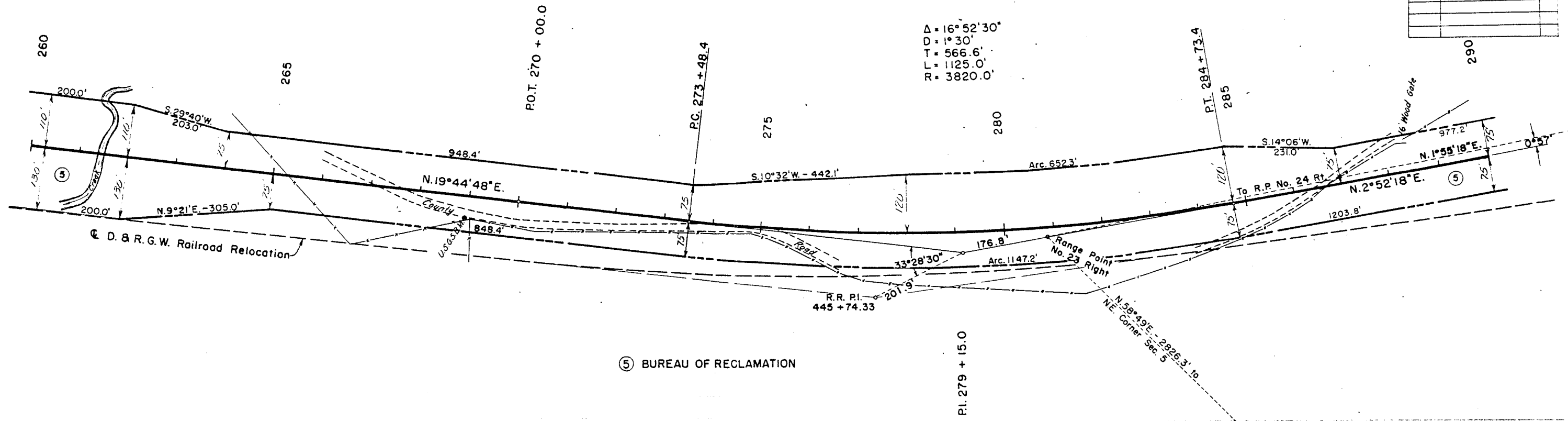


Sec. 5,
T.32N., R.5W., N.M.P.M.



FED. ROAD DIST. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	CR 48-0151-06	6	
RIGHT OF WAY NAVAJO DAM RELOCATION				
REVISIONS				

$\Delta = 16^\circ 52' 30''$
 $D = 1^\circ 30'$
 $T = 566.6'$
 $L = 1125.0'$
 $R = 3820.0'$



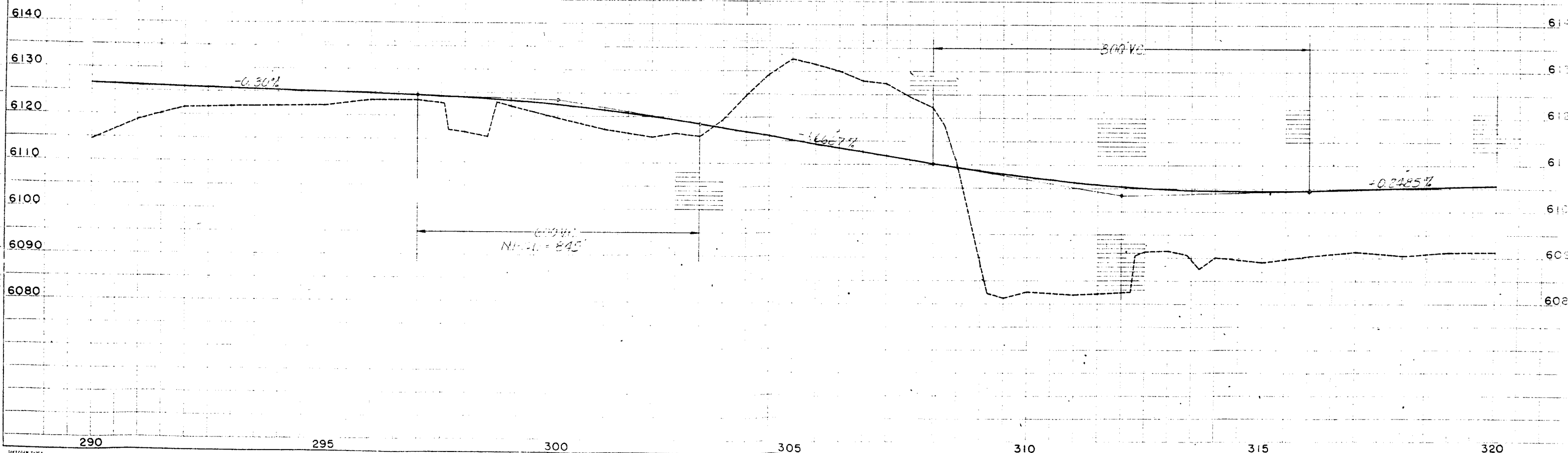
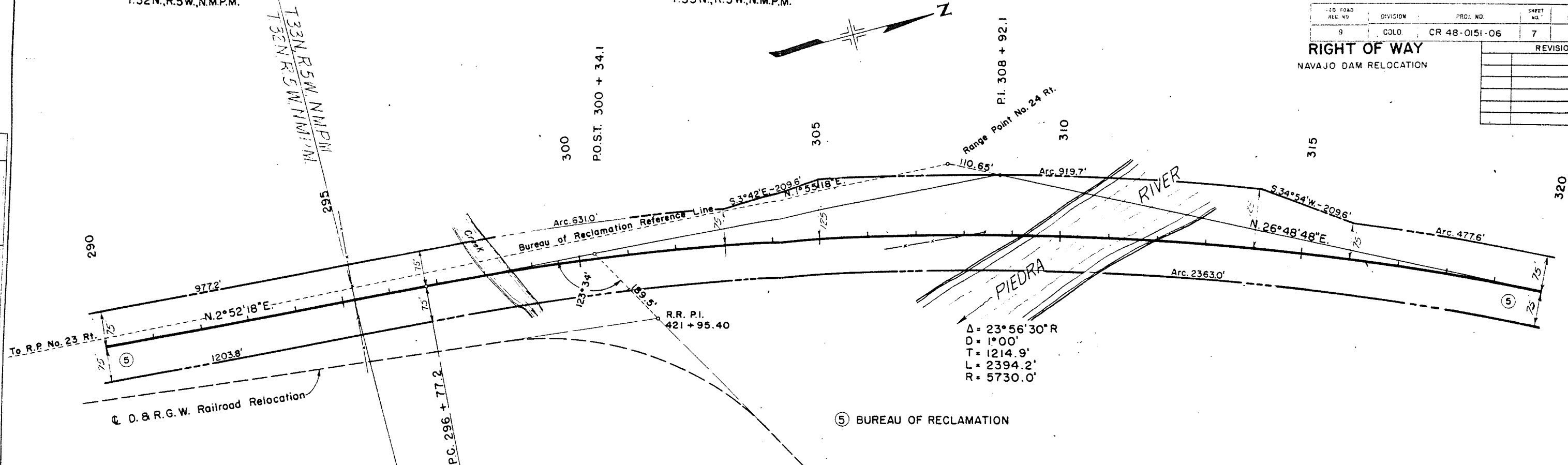
Sec. 5
T.32N., R.5W., N.M.P.M.

Sec. 32
T.33N., R.5W., N.M.P.M.

ED. ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	CR 48-0151-06	7	

RIGHT OF WAY
NAVAJO DAM RELOCATION

REVISIONS



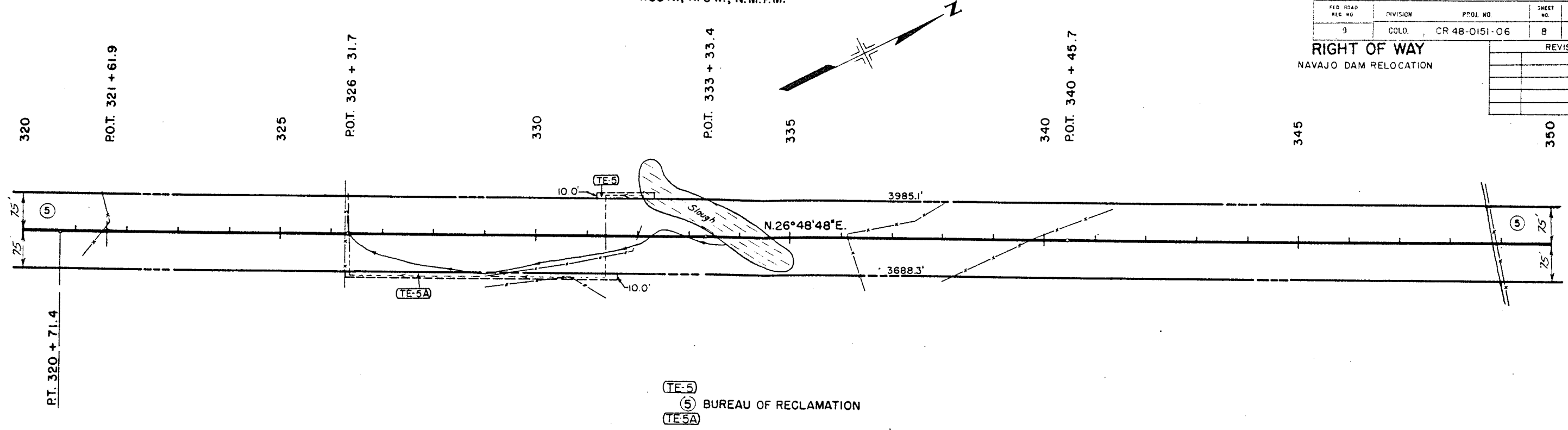
Sec. 32,
T.33 N., R. 5 W., N.M.P.M.

FED. ROAD REL. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	CR 48-0151-06	8	

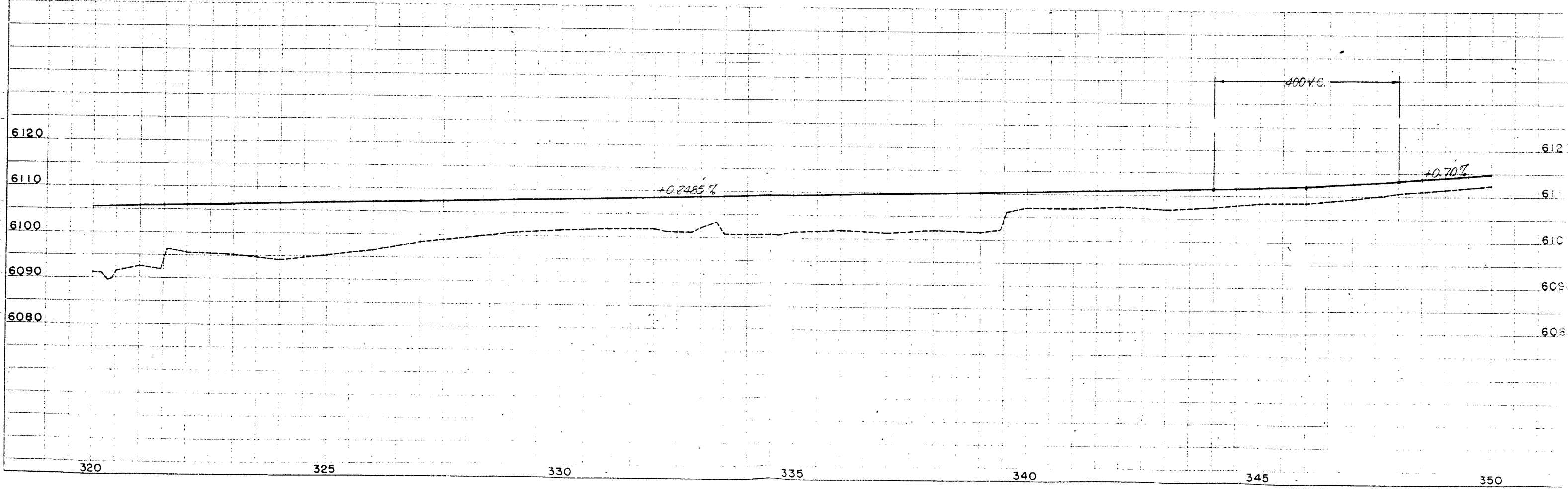
RIGHT OF WAY
NAVAJO DAM RELOCATION

REVISIONS	

PLAN	DATE
SURVEYED PLOTTER SITE DATA NO.	



PROFILE	DATE
MADE BY CHECKED BY NO.	

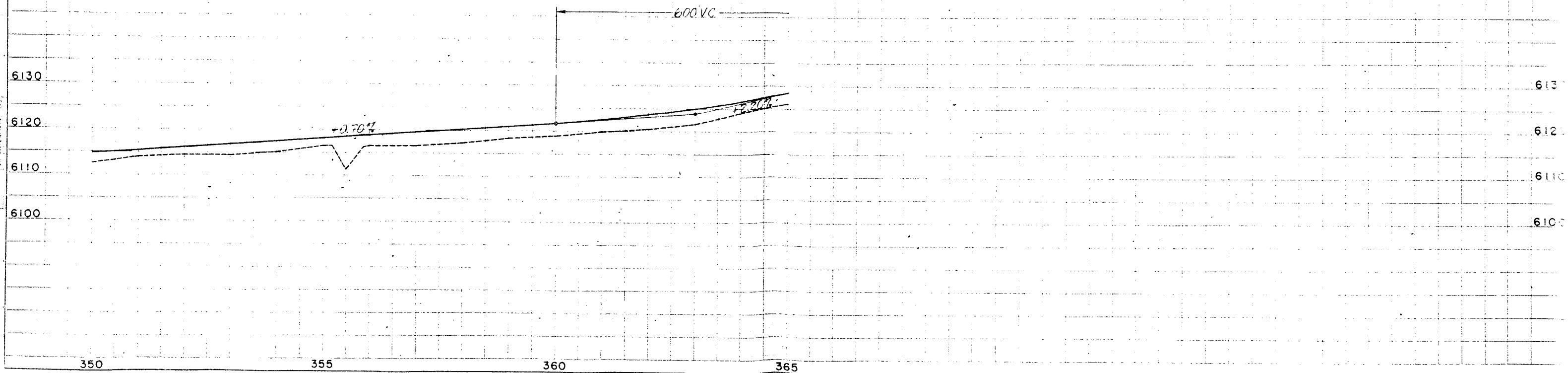
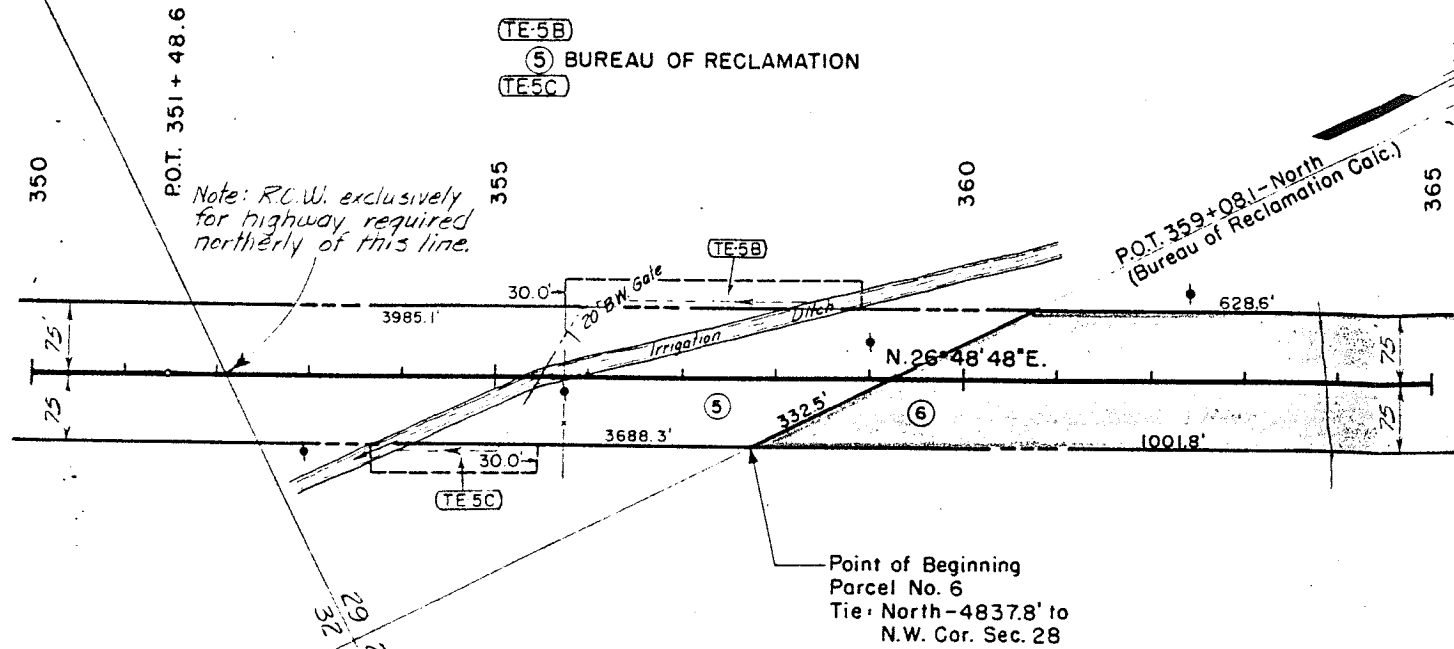


T.33N., R.5W., N.M.P.M.
S.E. 1/4 Sec. 29

FED. ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	CR 48-0151-06	9	

RIGHT OF WAY
NAVAJO DAM RELOCATION

REVISIONS

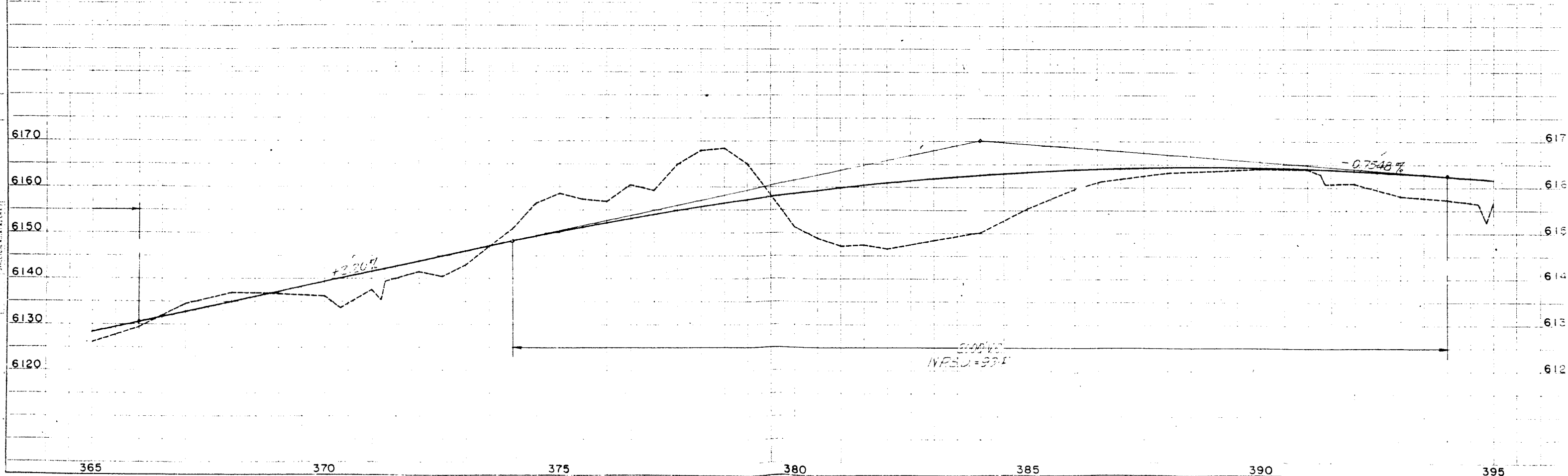
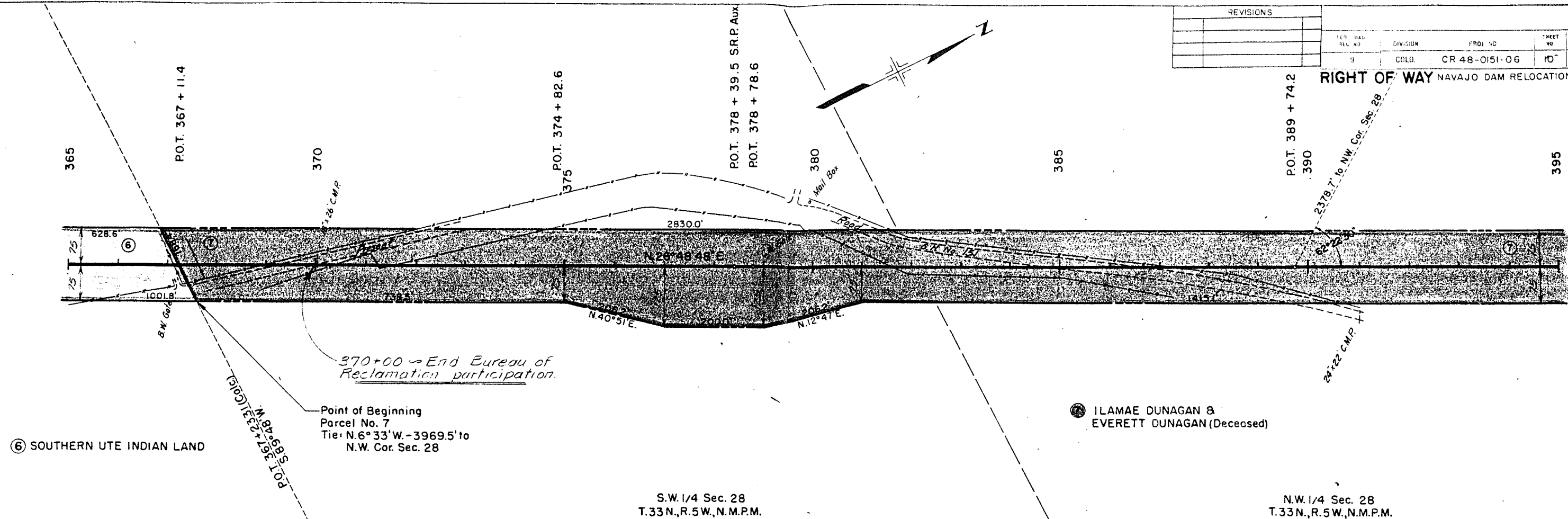


PLAN	DATE
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
BY	

PROFILE	DATE
SURVEYED	
PLOTTED	
ALIGNED	
CHECKED	
BY	

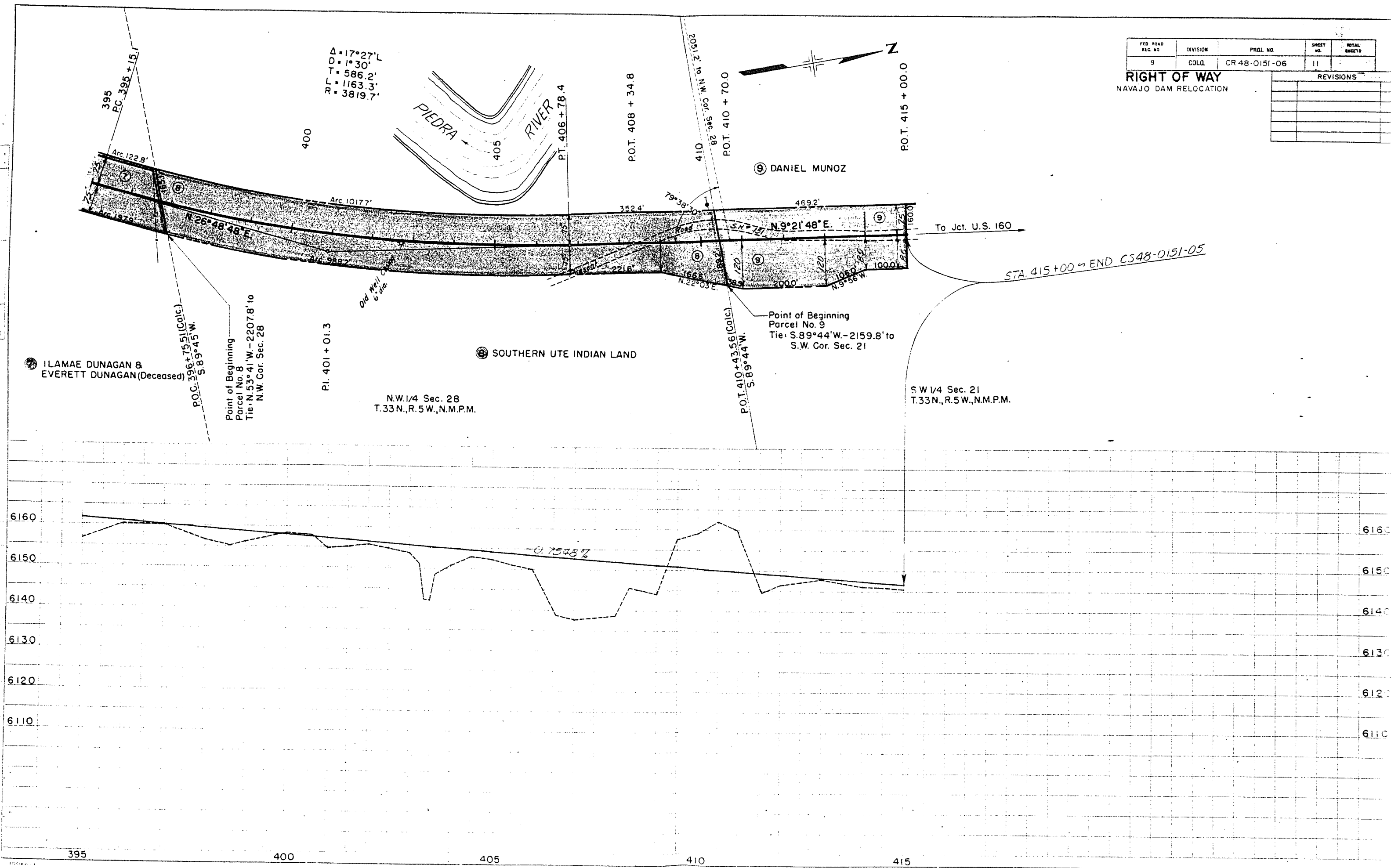
REVISIONS		CO. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
		9	COLD.	CR 48-0151-06	10	

RIGHT OF WAY NAVAJO DAM RELOCATION



[illegible]

REVISIONS



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
										SOLD										CR 48-0151-06										2										3																																																											
RIGHT OF WAY																				REVIS CYS																																																																															
NAVAJO DAM RELOCATION																				CR 48-0151-06										111-111																																																																					

ORIGINAL SCALE 1" = 400'

① WILLARD H. SEIBEL &
BETTY SEIBEL
NW 1/4 NW 1/4 SEC. 17

MILTON SEIBEL &
BESSIE SEIBEL
SW 1/4
SEC. 8

④ ARTHUR CANDELARIA
N-1/2 NW1/4 & SE1/4 NW1/4
SEC. 8

② Rev.
MILTON SEIBEL
&
BESSIE SEIBEL
N1/2 NE1/4 NW1/4
SEC. 17

STA. 175+09 BEGIN
CR 48-0151-06 CONST.

T. 33 N.	R. 5 W.	N. M. P. M.
T. 32 N.	R. 5 W.	N. M. P. M.

⑤ U. S. BUREAU OF RECLAMATION

PROJECT NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	CR 48-0151-06	13	13

RIGHT OF WAY
NAVAJO DAM RELOCATION

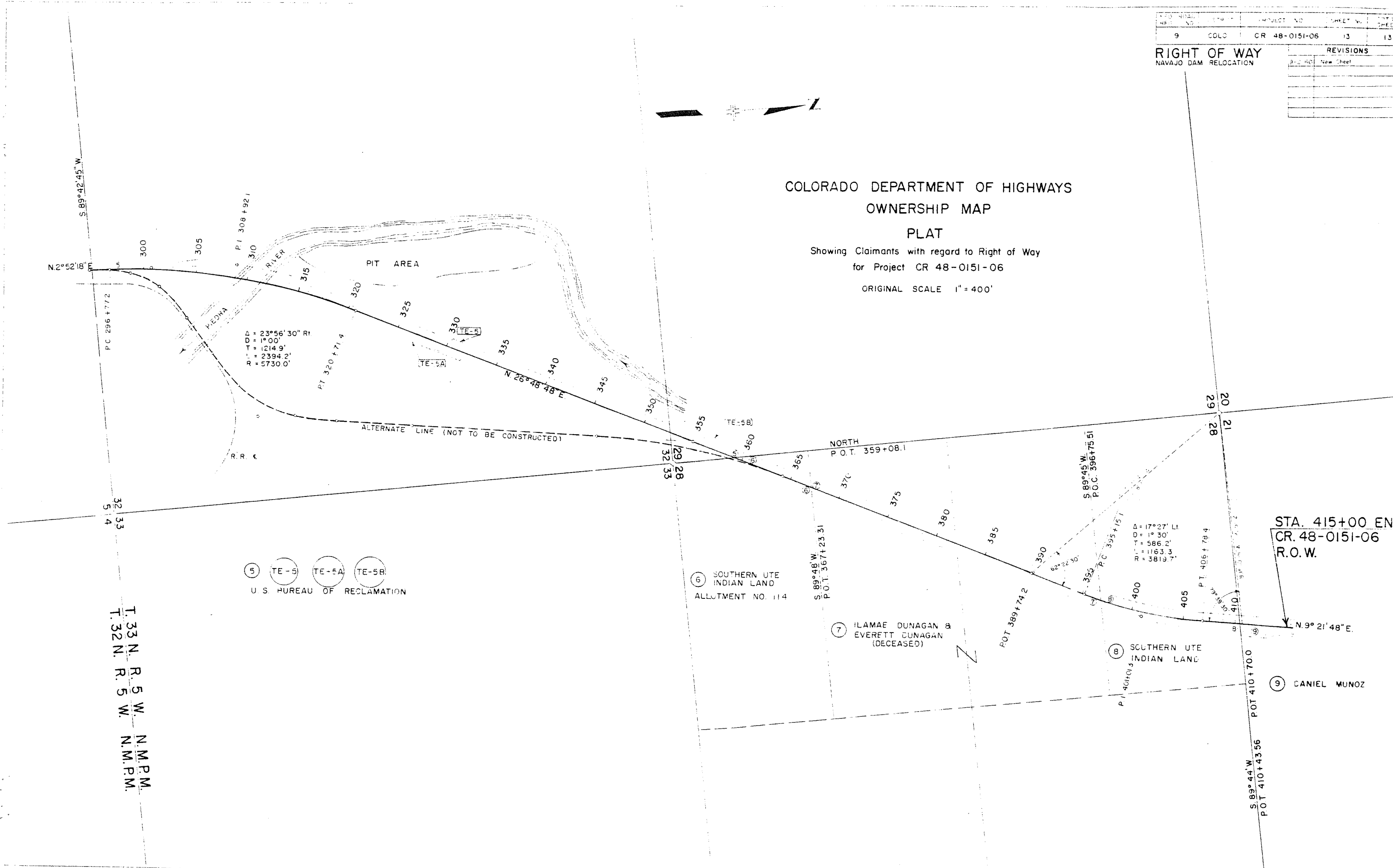
REVISIONS	
NO.	DESCRIPTION
1	New Sheet

COLORADO DEPARTMENT OF HIGHWAYS OWNERSHIP MAP

PLAT

Showing Claimants with regard to Right of Way
for Project CR 48-0151-06

ORIGINAL SCALE 1" = 400'



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	S 0123(2)	5	

Rev. 8-19-60 M.R.H. Summary of Earthwork.

FENCING TABULATION

TIMBER GUARD POSTS

SUMMARY OF EARTHWORK QUANTITIES

STATION TO STATION	SIDE	REMOVE & REBUILD FENCE	REMOVE FENCE	BUILD B.W. FENCE WITH METAL POSTS	BUILD COMB. FENCE WITH METAL POSTS	GATES	
						B.W. DRIVE	EACH EACH
185+80	X Fence		220				
213+20	" "		195				
241+70	" "		220				
265+30	" "		230				
268+20 to 276+35	Rt.		855				
284+90 to 288+65	X Fence		400				
295+25	" "		150				
308+00	" "		210				
321+50	" "		175				
326+31	" "		150				
329+40 to 332+06	Rt.		340				
336+11	X Fence		290				
339+70	" "		360				
348+90	" "		155				
355+75	" "		150				
365+30 to 367+11	" "		290				
367+11 to 370+00	Rt. & Lt.	600					
170+00 to 211+25	Rt.						
211+75 to 269+05	" "						
269+05 to 295+25	" "						
295+25 to 308+00	" "						
310+90 to 326+28	" "						
326+28 to 336+11	" "						
336+11 to 367+11	" "						
170+00 to 211+25	Lt.						
211+75 to 269+05	" "						
269+05 to 295+25	" "						
295+25 to 310+90	" "						
313+70 to 326+28	" "						
326+28 to 336+11	" "						
336+11 to 367+11	" "						
178+00	" "						
193+00	Lt. & Rt.						
206+00	Lt.						
329+00	Lt. & Rt.						
342+00	" "						
352+00	" "						
357+50	Rt.						
359+00	Lt.						
366+00	Lt. & Rt.						
Total Bur. of Recl. Part.		600	4,390	33,542	5,240	16	
370+00 to 396+55	Lt. & Rt.						
396+55 to 410+44	Lt. & Rt.	5,310					
410+44 to 415+00	Lt. & Rt.						
389+00	Lt. & Rt.			910			
400+00	Lt. & Rt.						
Total State Financed		5,310		910	2,780	7	
Project Total		5,910	4,390	34,452	8,020	16	7

It is estimated that 150 Line Posts (Native Cedar) will be required in rebuilt fence.

STATION	SIDE	SPACING	NO.
171+90 to 191+31	Rt.	4'30" Curve	31
187+05	Lt.	Culvert	1
195+00	Lt. & Rt.	" "	2
202+00 to 206+00	" "	50'	18
212+00 to 225+44	" "	2' Curve	34
231+46 to 242+46	Lt.	2'30" Curve	15
233+00	Lt. & Rt.	Culvert	2
240+00 to 242+00	Rt.	50'	5
250+00 to 254+00	Lt. & Rt.	50'	18
260+00 to 265+00	Lt. & Rt.	50'	22
268+15 to 276+00	Rt.	1'30" Curve	9
285+00 to 290+00	Lt. & Rt.	50'	22
292+13 to 307+54	Lt.	1' Curve	15
298+00	Rt.	Culvert	1
308+35 to 313+36	Lt. & Rt.	Bridge	20
313+77 to 325+48	Lt. & Rt.	1' Curve	22
348+45	Lt. & Rt.	Culvert	2
Total Bureau of Recl. Part.			239
380+00 to 385+00	Lt. & Rt.	50'	22
389+72 to 412+11	Rt.	1'30" Curve	22
398+60	Lt.	Culvert	1
Total State Financed			45
Project Total			284

R.O.W. MARKERS

STATION	SIDE	NO.
175+95.8	° Rt. & Lt.	
190+24.5	Rt. & Lt.	2
203+89.6	" "	2
222+36.7	" "	2
233+74.2	" "	2
250+69.2	" "	2
263+00	Lt.	1
273+48.4	Rt. & Lt.	2
284+73.4	" "	2
296+77.2	" "	2
309+00	Lt.	1
320+71.4	Rt. & Lt.	2
334+00	Rt.	1
347+00	Lt.	1
360+00	Rt.	1
Total B.R. Part.		23
373+00	Lt.	1
386+00	Rt.	1
395+15.1	Rt. & Lt.	2
406+78.4	" "	2
415+00	Rt.	1
Total State Fin.		7
PROJECT TOTAL		30

° Reset from Sta. 174+00

	# STATION 170+00 TO STATION 370+00				STATION 370+00 TO STATION 415+00 STATE	PROJECT TOTALS
	BUREAU OF RECLAMATION	STATE	TOTAL	RATIO		
EXCAVATION						
FROM I.B.M. SHEETS	189,899	7,986	197,885	95.96	38,225	236,110
BORROW	61,472	191	61,663	99.69	(-9,371)	52,292
ESTIMATED FOR SUBSIDENCE	25,137	818	25,955	96.85	2,885	28,840
LIST OF STRUCTURES AS EXCAVATION	9,126	44	9,170	99.52	627	9,797
LIST OF STRUCTURES AS EMBANKMENT	1,396		1,396	100.00	905	2,301
ESTIMATED FOR CUT SLOPE TREATMENT	1,400		1,400	100.00	500	1,900
TOTALS	288,430	9,039	297,469	96.96	33,771	331,240 CU. YDS.
EXCAVATION X FACTOR	170,909	7,187	178,096	95.96	34,403	212,499 CU. YDS.
BORROW X FACTOR	55,325	172	55,497	99.69	(-8,434)	47,063 CU. YDS.
EMBANKMENT						
FROM I.B.M. SHEETS	226,234	7,359	233,593	96.85	25,969	259,562 CU. YDS.
STATION YARD OVERHAUL						
FROM MASS DIAGRAM	1,231,663	43,590	1,275,253	96.58	70,087	1,345,340
ESTIMATED FOR SUBSIDENCE	123,166	4,359	127,525	96.58	7,009	134,534
ESTIMATED FOR STRUCTURE BACKFILL	8,129	330	8,459	96.10	3,344	11,803
TOTALS	1,362,958	48,279	1,411,237	96.58	80,440	1,491,677 STA. YDS.
YARD MILE OVERHAUL						
FROM MASS DIAGRAM	7,353	181	7,534	97.60	737	8,271
ESTIMATED FOR SUBSIDENCE	735	18	753	97.61	74	827
ESTIMATED FOR STRUCTURE BACKFILL	613	24	637	96.23	122	759
TOTALS	8,701	223	8,924	97.52	933	9,857 YD. MI.
COMPACTION						
TOTAL UNCLASSIFIED EXCAVATION	288,430	9,039	297,469	96.96	33,771	331,240
BASE OF CUTS & FILLS	40,696	2,939	43,635	93.26	8,639	52,274
TOTALS	329,126	11,978	341,104	96.49	42,410	383,514 CU. YDS.

* SEE NOTES BELOW SUMMARY OF APPROXIMATE QUANTITIES ON SHEET NO. 3.

UNCLASSIFIED DITCH EXCAVATION INTERCEPTING DITCHES

STATION	SIDE	CU. YDS.
206+ - 213+	Lt.	105
242+ - 247+	Lt.	75
247+ - 254+	Rt.	105
275+ - 286+	Lt.	165
303+ - 308+	Lt.	75
FROM LIST OF STRUCTURES		684
TOTAL TO 370+00		1,209
371+ - 382+	Rt.	165
403+ - 414+	Rt.	165
FROM LIST OF STRUCTURES		20
TOTAL 370+00 TO 415+00		350
PROJECT TOTAL		1,559

° Approximate location, may be changed by the Engineer