

NO	STATE	F O O I	O	O H TS
3	COLO	F 193(2)	/	

INDEX OF SHEETS

SHEET NO 1 SKETCH MAP AND TITLE PAGE
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3 11 ALIGNMENT PLAN AND PROFILE

COLORADO STATE HIGHWAY DEPARTMENT PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO F-193(2) STATE HIGHWAY NO 8 JEFFERSON COUNTY

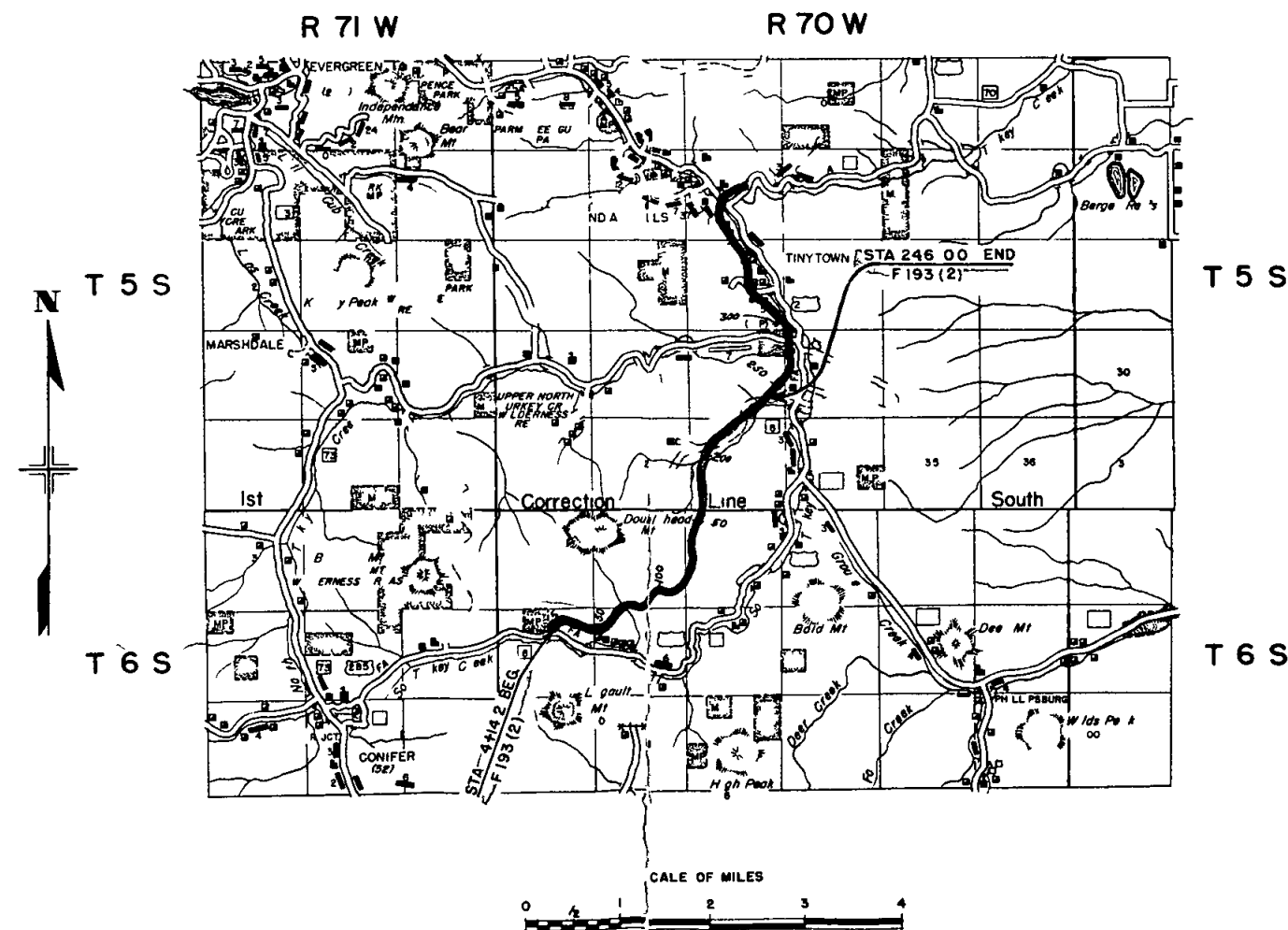
CONVENTIONAL SIGNS

Center Line
Right of Way Line
Township or Range Line
Section Line
Quarter Section Line
Sixteenth Section Line
Property or Tract Line
Barbed Wire Fence
Woven Wire Combination Fence
Teleph & Teleg Line
Power Line

SCALES
ON PLAN 1" = 100 FT
ON PROFILE 1" = 100 FT HORIZONTAL
1" = 10 FT VERTICAL
GRADE LINE OR PROFILE IS SHOWN AS GRADE OF FINISHED ROAD
GROSS LENGTH OF PROJECT } 24 1972 FEET 4.582 MILES
NET LENGTH OF PROJECT }

RIGHT OF WAY

INFORMATION OBTAINED FROM AVAILABLE COUNTY RECORDS



RECOMMENDED FOR APPROVAL

3	NT	GN	AT
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APPROVED

HIGH	ENR	DA
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RECOMMENDED FOR APPROVAL

DATE

DISTRICT ENGINEER PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY
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APPROVED

DATE

D. S. ON ENR PUBLIC ROADS ADMINISTRATION FEDERAL WORKS AGENCY

ROW TABULATION OF PROPERTIES IN JEFFERSON COUNTY S H No 8 PROJ F-193(2)

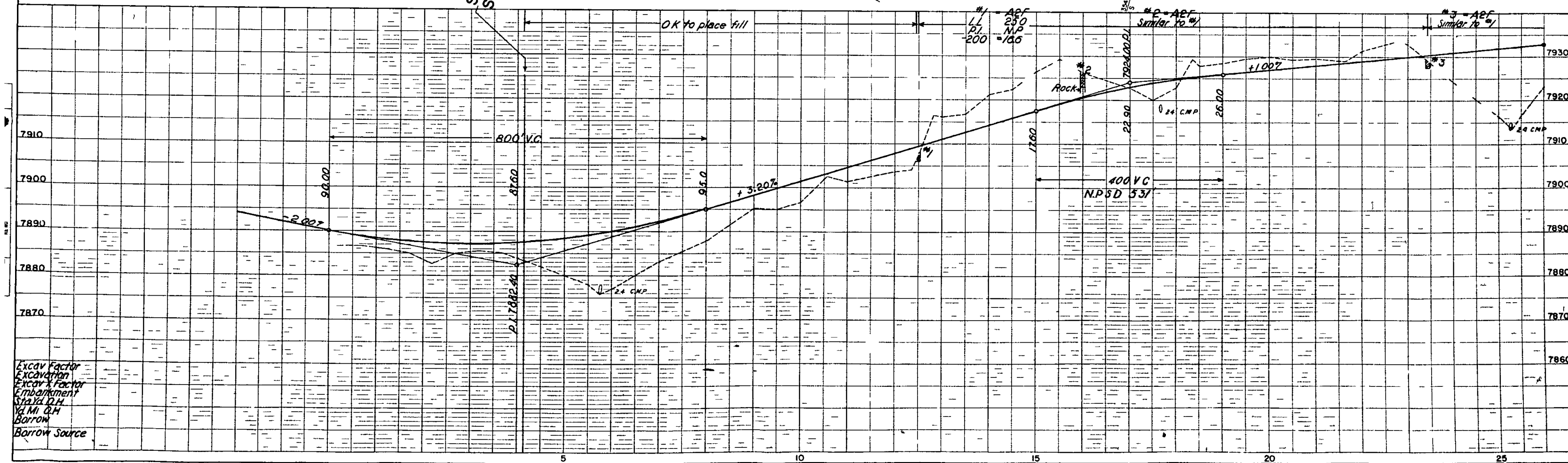
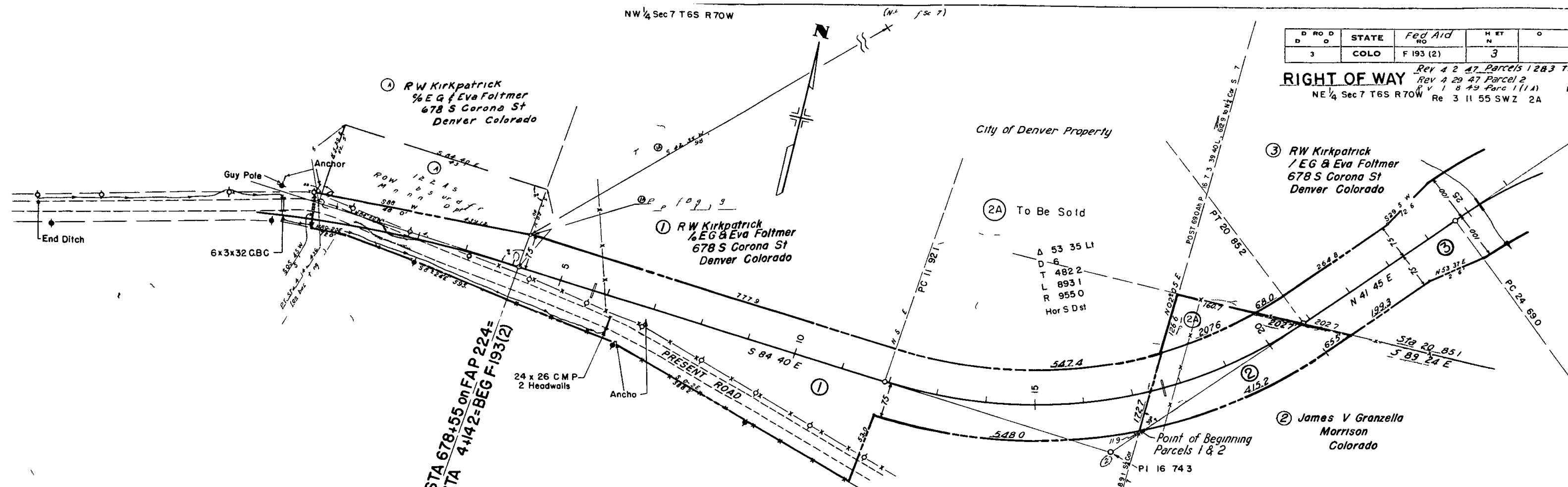
	STATE	FED AID		
3	COLO	F193 (2)	2	

RIGHT OF WAY

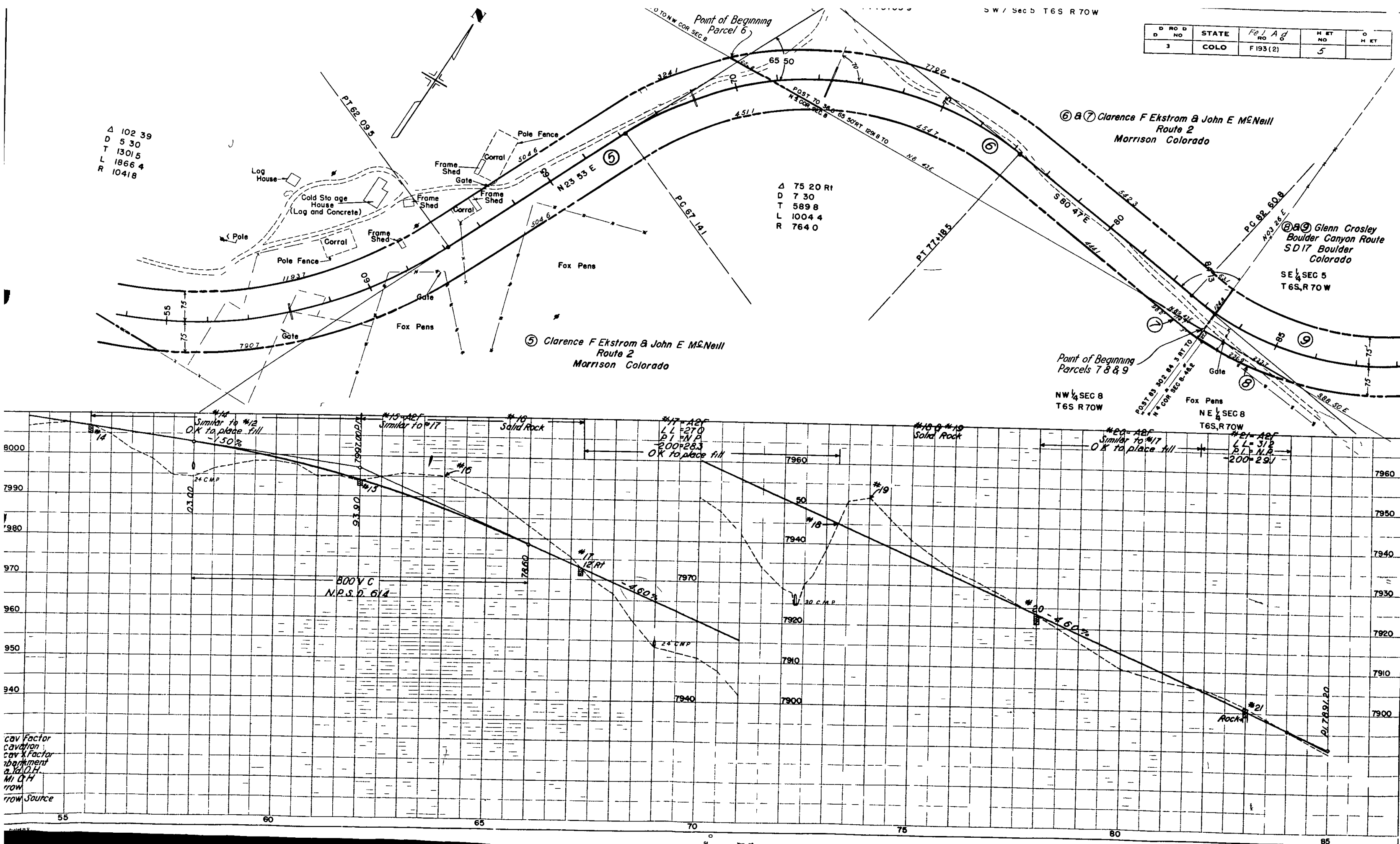
Rev 1 2 47 P&C 15 1 23 34 38
& 3 C T K Rev Par 2 Apr 29 47
Rev 5 21 47 T L K
Rev 11 30 54 T C V Pa 16
Re 3 11 55 SWZ 2A

NO	OWNER	ADDRESS	LOCATION	AREA IN ACRES			ASSESSED VALUATIONS				REMARKS	NO
				TOTAL LAND	PARCEL	TO BE ACQUIRED	TOTAL LAND	PER ACRE	PARCEL	IMP'S		
1	R W Kirkpatrick	% E 6 & Eva Faltmer, 678 S. Corona St, Denver, Colo.	S 2 NW 4 Sec 7 T 6 S, R 70 W	238 2	6 661	4 924	138.2 @ 750.0 + 100 @ 1440.00	5 43	26 74			
2	James V Grenzella	Morrison Colorado	W 2 SW 4 NE 4 Sec 7 T 6 S, R 70 W	80	1 442	1 442	15 @ 220 65 @ 270	4.15	5 98	290		
2A			NE 1/4 Sec 7 T 6 S R 70 W		0 253						To Be Sold	
3	R W Kirkpatrick	% E 6 & Eva Faltmer, 678 S. Corona St, Denver, Colo.	NE 4 Sec 7 T 6 S, R 70 W	(See No 1)	10 895	10 895	(See No 1)	5 43	59 16			
3A	Nepht Robinson		Block A Kinnikinic Camp Subd SE 1/4 NE 1/4 Sec 7 T 6 S R 70 W		0 347	0 040						
3B	Lillian Robinson		Block 13 & 14 Kinnikinic Camp Subdivision		0 016	0 005						
3C	Charles F & Buelah G Hutchins		Block 14 & 15 Kinnikinic Camp Subdivision		0 291	0 217						
4	Frank & Fern Friedman	Route 2, Morrison, Colorado	S 2 NW 4 Sec 8 R 70 W	158 2	1 013	1 013	500	3 16	3 20	1300		
5	Clarence F Ekstrom & John E McNeill	Route 2, Morrison, Colorado	N 2 NW 4 Sec 8 T 6 S R 70 W	79 54	6 445	6 445	260	3 27	21 08	7990		
6	Clarence F Ekstrom & John E McNeill	Route 2 Morrison Colorado	S 2 SW 4 Sec 5 T 6 S, R 70 W	67 89	4 195	4 195	250	3 68	15 44			
7	Clarence F Ekstrom & John E McNeill	Route 2, Morrison, Colorado	N 2 NW 4 Sec 8 T 6 S, R 70 W	79 54	0 055	0 055	260	3 27	0 18			
8	Glenn Crosley	Boulder Canyon Rt, SD 17 Boulder, Colo	W 2 NE 4 Sec 8 T 6 S, R 70 W	80	0 099	0 099	260	3 25	0 32	1150		
9	Glenn Crosley	Boulder Canyon Rt, SD 17, Boulder Colo	S 2 SE 4 Sec 5 T 6 S R 70 W	80	15 791	15 791	260	3 25	51 32			
9A	Charles H Hammond & Sylvia R Hammond	1726 Glencoe St, Denver, Colo	S E 4 Sec 5, T 6 S R 70 W		0 609	0 609						
10	Mrs Mildred McCarthy	1756 Grape St, Denver, Colorado	W 2 SW 4 Sec 4 T 6 S, R 70 N	80	5 148	5 148	200	2 50	12 87			
11	Lewis E & Challice M Sanger	Morrison, Colorado	W 2 NW 4 Sec 4 T 6 S, R 70 W	89	13 002	13 002	15 @ 80 74 @ 140	1 89	24 57			
12	Lewis E & Challice M Sanger	Morrison Colorado	W 2 SW 4 Sec 33 T 5 S R 70 W	80	9 473	9 473	20 @ 290 6 @ 430	7 17	67 96			
13	Lewis E & Challice M Sanger	Morrison Colorado	NW 4 Sec 33 T 5 S, R 70 W	160	13 175	13 175	580	3 63	47 83			
14	Frank R Halm	Thayer, Iowa	E 2 SW 4 S 28 T 5 S, R 70 W	80	0 154	0 154	285	3 56	0 55			
15	Frank R Halm	Thayer, Iowa	NE 4 Sec 33 T 5 S, R 70 W	160	0 158	0 158	570	3 56	0 56	300		
16 Rev	Frank R Halm	Thayer, Iowa	SE 4 Sec 28 T 5 S, R 70 W	160	12 273	12 273	570	3 56	45 13			Rev

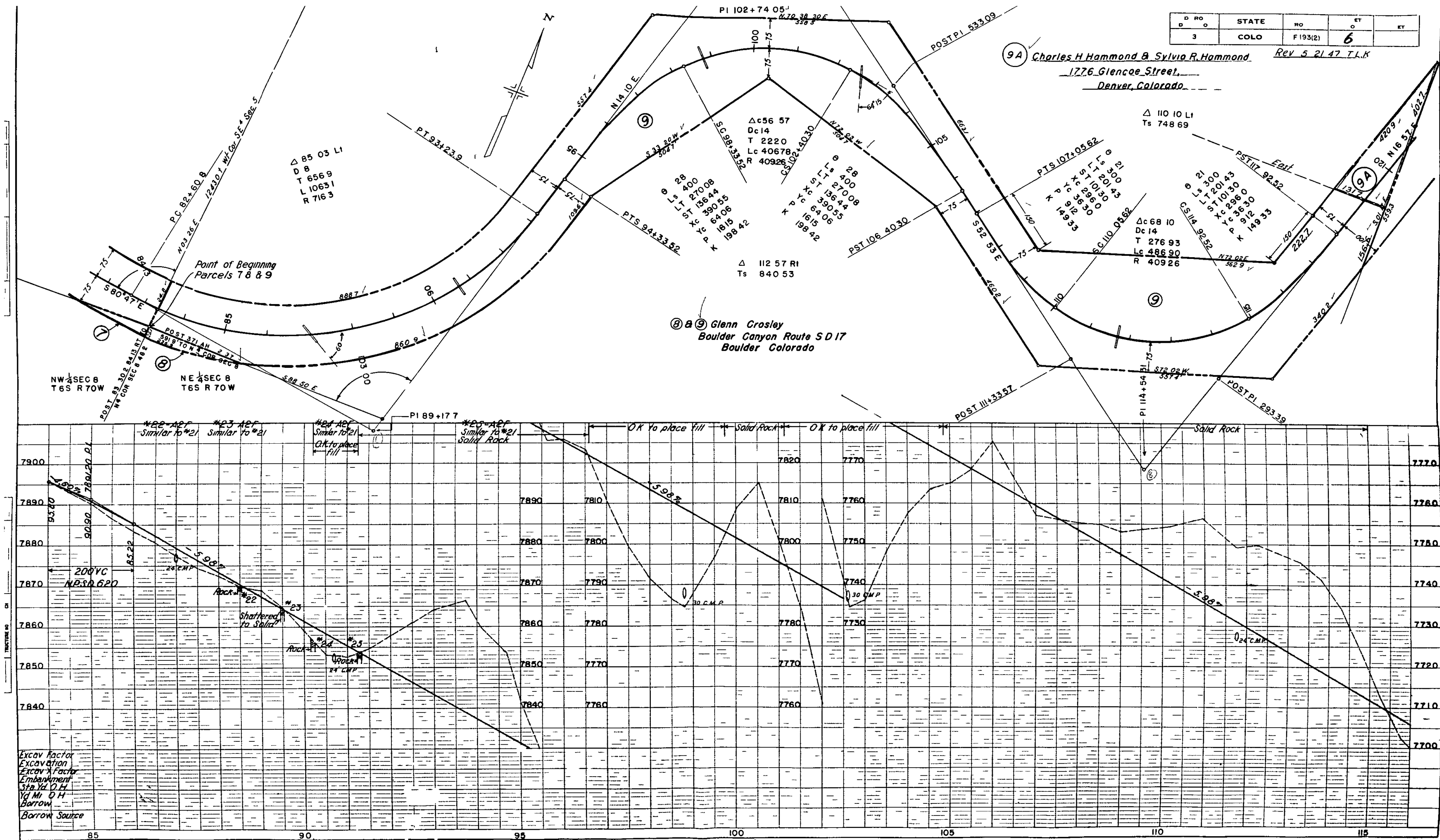
RIGHT OF WAY Rev 4 2 47 Parcel 1 283 TLK
Rev 4 29 47 Parcel 2
Rev 1 8 49 Parc 1 (1A) WN
NE 1/4 Sec 7 T6S R70W Re 3 11 55 SWZ 2A



S W / Sec 5 T 6 S R 70 W

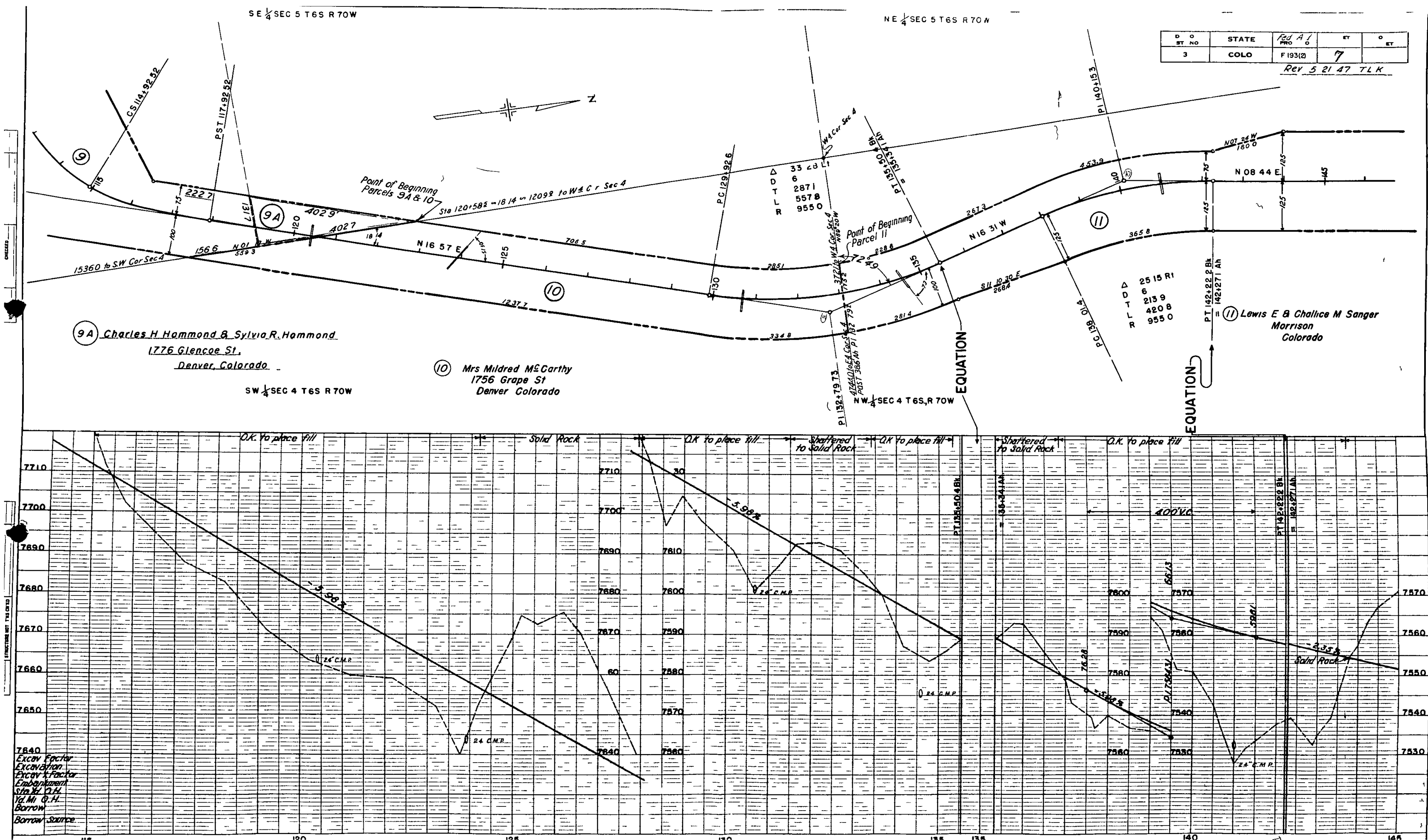


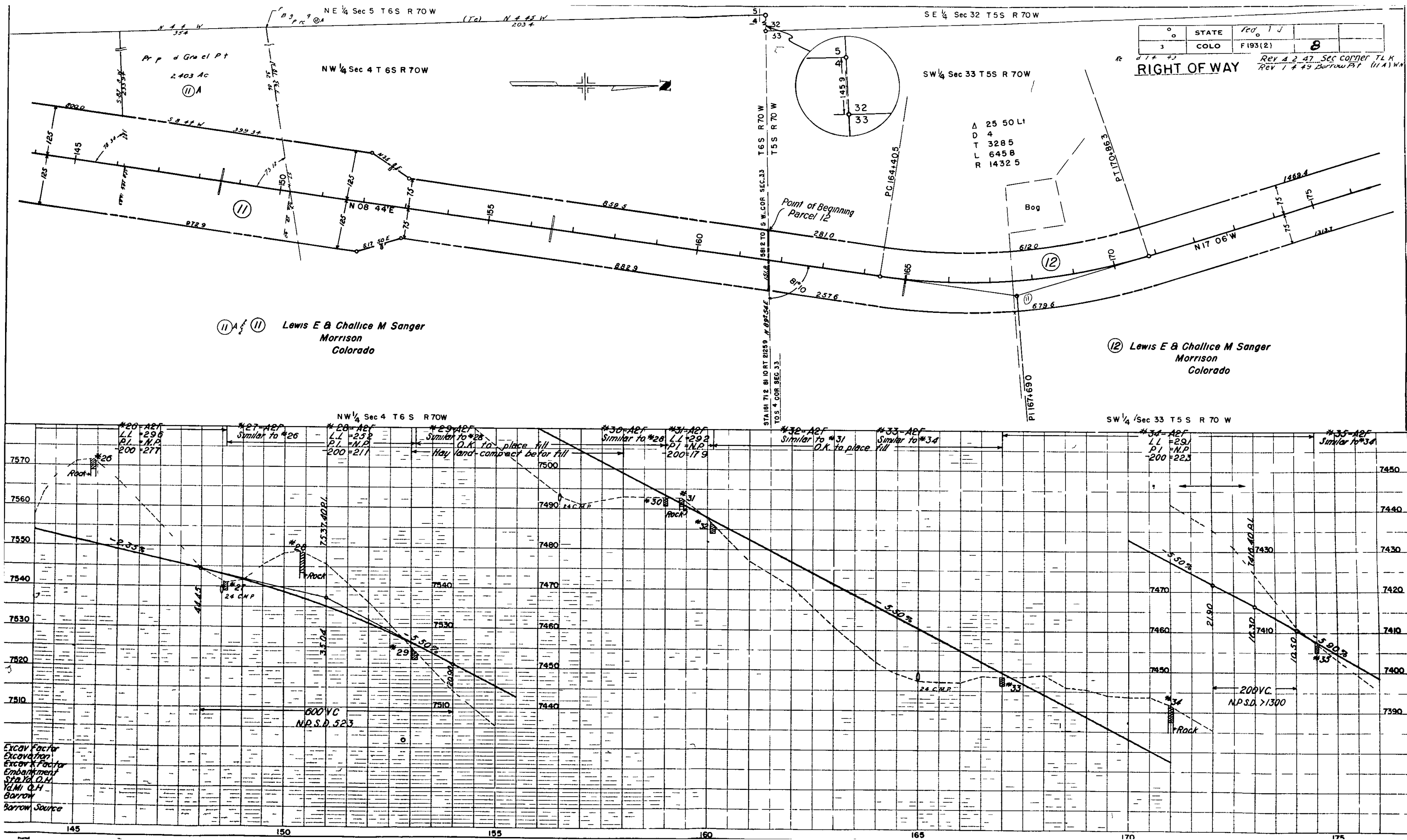
9A Charles H Hammond & Sylvia R. Hammond Rev 5 21 47 T L K
1776 Glencoe Street,
Denver, Colorado



NE $\frac{1}{4}$ SEC 5 T 6 S R 70 N

Rev 5 21 47 TLK



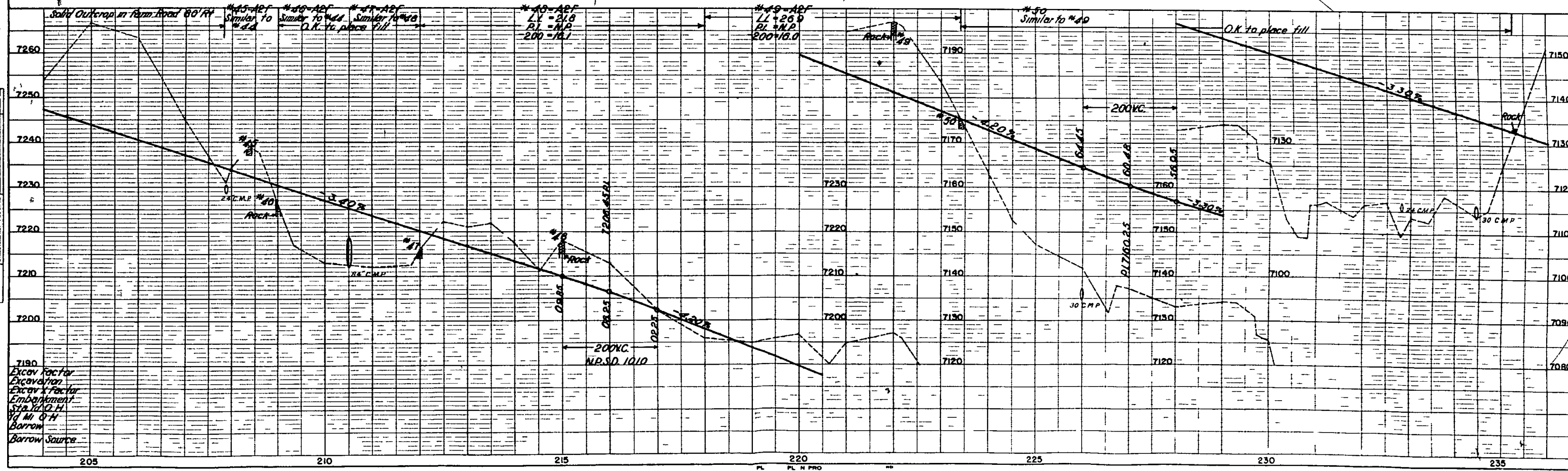
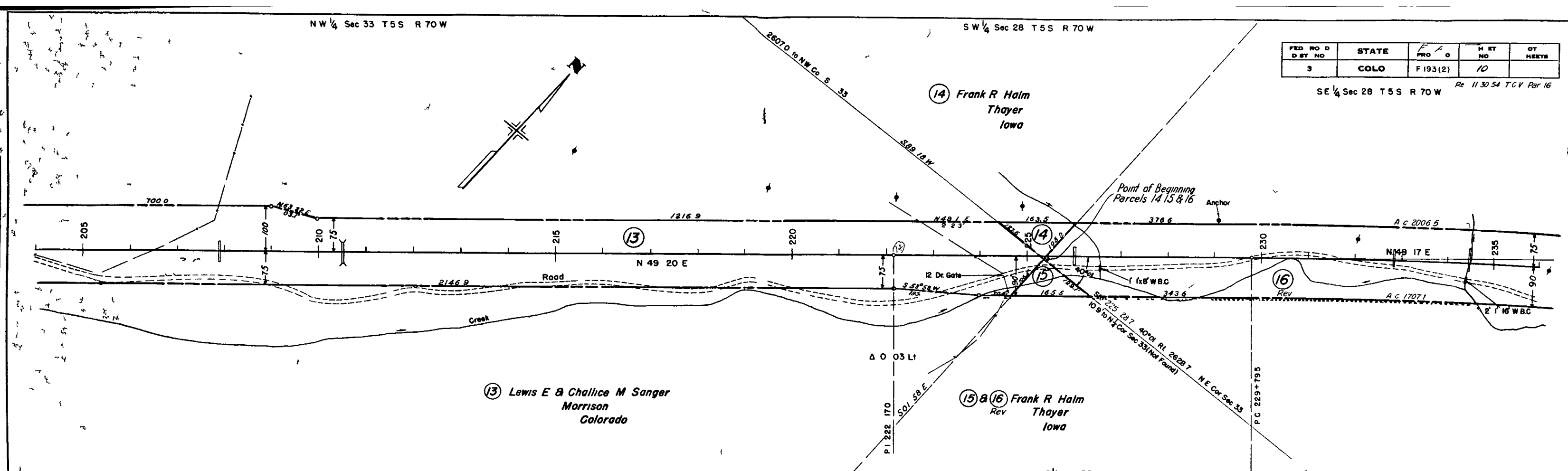


NW 1/4 Sec 33 T5S R70W

SW 1/4 Sec 28 T5S R70W

FED. RD. DIST. NO.	STATE	PRO. O.	HT. NO.	OT. MEETS
3	COLO.	F 193(2)	10	

SE 1/4 Sec 28 T5S R70W Re 11.30.54 T.C.V. Par 16



Excav Factor
Embankment
Stationing
Borrow Source

D	STATE	PRO NO	H ET NO	TO SHEET
3	COLO	F 193 (2)	11	1

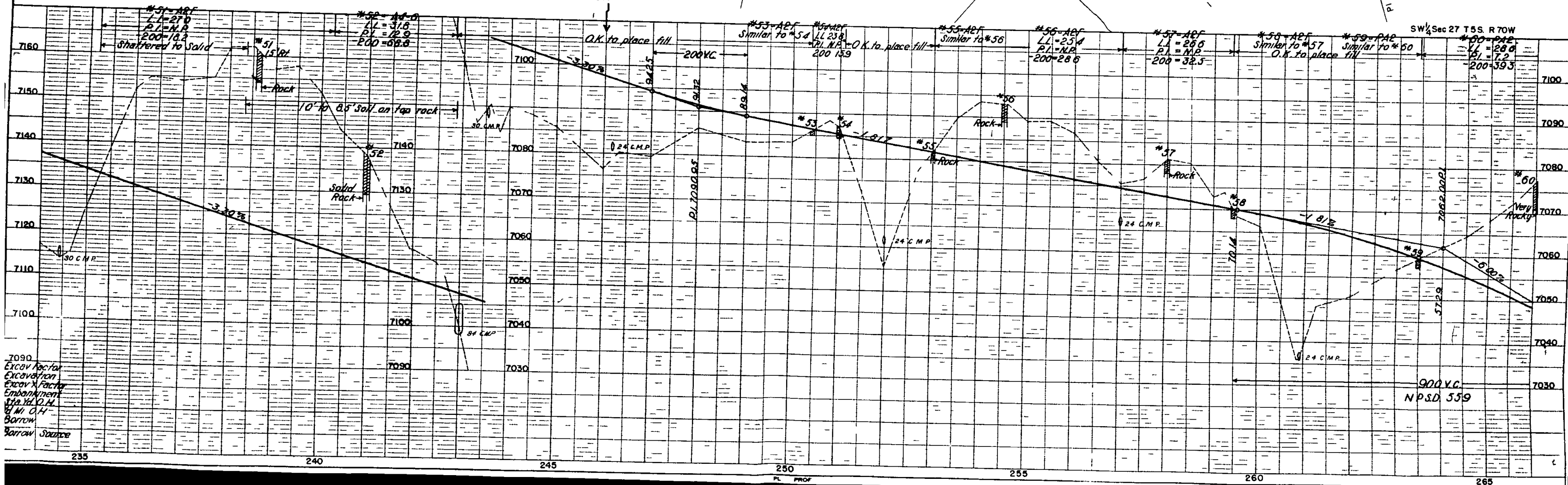
Δ 55 24 LI
D 4
T 7521
L 13850
R 14325
Ho S D 1

POST 55.5 A.P. 882.093
NW 1/4 Sec 27 T.5S. R.70W
Rev 11.30.54 TCV Par 16

Δ 09 58 Rt
D 0 30'
T 9992
L 19933
R 114600
Hor S Dist

(16) Frank R Halm
Thayer
Iowa

STA 246+00=END
F 193 (2)



LIST OF STRUCTURES CONTINUED

STATION	DESCRIPTION	REMOVE STRUCT NO	EXCAVATION			STRUCTURAL EXCAV				GRAVEL OR CR ROCK SURF TONS	CONCRETE		REINF STEEL LBS	CORR METAL CULVERT PIPE							RIPRAP CU YDS.	MECHANICAL TAMPING	MISCELLANEOUS
			UNCLASS CU YDS.	UNCLASS DITCH CU YDS	CU YDS.				CU YDS		LIN FT												
					EXCAV	EMB	Ø					CL A		CL B	18	24	30	36	84	30" LOGA			
241+00 242+00 243+00 243+55	Fill Mine Shaft Rt Side Drain and Road Approach Rt Cross Culvert 2 Std M115AX Headwalls Cross Culvert and Inlet Ditch		350	50		5 88 32				90	139	225	1040	34		98	58				45		
4+142 to 246+00	Mechanical Tamping for all CMP Culverts under 84																				172		
		✓	✓	✓	✓	✓												1			✓		
TOTALS		2	2481	5265	547	1031				587	12505	5675	96660	134	1864	666	148	270	238	8	402		

Ø Structural Excavation is estimated to be 50% Rock and 50% Common each of which is estimated to be 90% Dry and 10% Wet

* Used in Profile Quantities as Borrow

Δ Includes Top and Bottom Course Surfacing

‡ Future Construction

FENCING REQUIREMENTS

STATION	SIDE	REMOVE FENCE LIN FT	BUILD BW FENCE LIN FT	GATES	
				BW	REM & RESET
4+142 to 11+921 5+95	Rt & Lt X	1250 120			
4+142 to 47+95	Lt		4880		
11+921 to 45+48	Rt		3390		
46+20 to 182+00	Rt		14790		
49+10 to 182+00	Lt		13200		
47+75	Rt			1	
18+00 to 20+75	Rt & Lt	580			
45+48 to 47+95		330			
46+20 to 55+00		880			
49+20	X	150			
49+20	Lt			1	1
68+00	Lt				
83+30	X	150			
83+30 to 83+90	Rt	150			
85+00	Rt & Lt			2	
150+25	X	160			
166+00	Rt			1	
167+50	X	150			
179+55 to 180+60	Lt	150			
182+00 to 200+00	Lt		1900		
182+00 to 200+00	Rt		1730		
200+00 to 210+50	Lt		1090		
200+00 to 210+50	Rt		1070		
210+50 to 243+00	Lt		3380		
210+50 to 243+00	Rt		3370		
189+00	X	180			
189+00 to 196+50	Rt & Lt	980			
197+30	X	170			
198+30	Lt			1	
201+60 to 207+90	Lt & Rt	710			
207+25	Rt			1	
223+85	X	260			
242+00	Rt			1	
243+00 to 246+00	Lt		320		
243+00 to 246+00	Rt		280		
TOTAL		6370	49400	8	1

TIMBER GUARD POSTS

STATION	SIDE	SPACING	NO
12+00 to 21+60	Rt	40	25
17+50	Lt	Culvert	1
24+55 to 30+55	Lt	40	16
24+55 to 30+55	Rt	50	13
34+00 to 36+00	Lt	40	6
34+00 to 36+50	Rt	50	6
43+55 to 61+95	Rt	40	47
44+00	Lt	Culvert	1
58+00	Lt		1
67+40 to 73+00	Lt	40	15
69+00 to 73+00	Rt	50	9
82+70 to 91+50	Rt	40	23
87+00	Lt	Culvert	1
90+70	Lt		1
95+50 to 96+50	Rt	50	3
96+90 to 97+20	Lt	30	2
104+30 to 104+60	Lt	30	2
114+70 to 115+00	Rt	30	2
116+50 to 124+00	Rt	50	16
128+50 to 129+50	Rt	50	3
129+90 to 135+50	Rt	40	15
138+00 to 142+50	Rt	50	10
139+40 to 142+60	Lt	40	9
148+50	Lt & Rt	Culvert	2
155+00 to 158+00	Lt & Rt	50	14
162+00 to 166+00	Lt	50	9
164+40 to 166+40	Rt	50	5
177+00	Rt & Lt	Culvert	2
181+00 to 185+00	Lt	50	9
182+00	Rt	Culvert	1
185+50 to 187+90	Lt	40	7
190+20 to 193+80	Lt	40	10
194+30 to 197+30	Lt	50	7
196+50 to 201+00	Rt	50	10
197+80 to 201+00	Lt	40	9

TIM GUARD POSTS CONT

STATION	SIDE	SPACING	NO
207+90	Lt & Rt	Culvert	2
210+50	Lt & Rt		2
213+00 to 220+00	Rt	100	8
223+00 to 236+00	Rt	100	14
225+00 to 228+00	Lt	100	4
229+50 to 235+00	Lt	50	12
243+00 to 245+50	Lt	50	6
243+00 to 245+00	Rt	100	3
TOTAL			303

ROW MARKERS

STATION	SIDE	NO	STATION	SIDE	NO
4+142	Lt	2	152+00	Lt & Rt	2
11+921	Rt	2	153+00		2
17+40	Lt & Rt	2	161+712		2
23+50		2			
24+69		2	184+00	Rt	1
38+821		2	185+557		1
40+00		2	188+747(POST)	Lt & Rt	2
49+18		2	193+763	Rt	1
70+00	Lt	1			
72+16	Rt	1	195+00	Rt	1
81+77	Rt	1	196+00	Lt	1
83+302	Lt & Rt	2	197+83.5		1
85+65	Rt	1	200+702		1
94+335	Rt	1			
98+15	Lt	1	202+00		1
100+36.9	Rt	1	209+00		1
102+45	Lt	1	210+00		1
106+40.3	Rt	1	222+17	Lt & Rt	2
108+55.6	Lt	1			
110+45	Rt	1	224+00	Rt	1
114+85	Rt	1	225+287	Lt & Rt	2
116+42.5	Lt	1			
117+55	Rt	1			
122+86	Lt	1			
133+10	Lt & Rt	2			
135+50.4 Bk	Rt	1			
138+01.4	Rt	1			
142+22.2 Bk	Lt	1			
144+00	Lt	1	TOTAL		62

BALLAST MATERIAL

It is estimated that Ballast Material for the Project is available in the vicinity of the pit indicated in the following tabulation Estimated quantities involved in this operation are shown below

No alteration of the Ballast Material Plan as here outlined will be allowed without written permission from the Department

MATERIAL TO BE PLACED	SOURCE	QUANTITY		OVERHAUL
		THICKNESS INCHES	TONS USED	
4+142 to 93+30	Widened Cut	6	9540	8035
93+30 to 135+50.4 Bk	within ROW Between	6	4516	FREE
135+34.1 A to 142+22.2 Bk	Sta 144+ & 148+	6	736	FREE
142+27.1 A to 146+00		6	399	FREE
146+00 to 198+80		6	5650	FREE
198+80 to 246+00		6	5050	2257
Estimated for widening			340	FREE
TOTALS			26231	10312

SURFACING PLAN

It is estimated that material for Gravel Surfacing for the Project is available in the vicinity of the Pit indicated in the following tabulation Estimated quantities involved in this operation are shown below

No alteration of the Surfacing Plan as here outlined will be allowed without written permission from the Department

MATERIAL TO BE PLACED	SOURCE	QUANTITY		OVERHAUL
		TOP COURSE	BOTTOM COURSE	
4+142 to 93+30	Widened Cut	2586	5617	6926
93+30 to 135+50.4 Bk	within ROW Between	1224	2659	FREE
135+34.1 A to 142+22.2 Bk	Sta 144 & 148+	200	434	FREE
142+27.1 A to 146+00		108	235	FREE
146+00 to 198+80		1331	3326	FREE
198+80 to 246+00		1369	2974	1941
Estimated for widening		67	134	FREE
Estimated for Road Approaches		437	150	234
TOTALS		7522	15529	9101