COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.

r500001880

Description:
ROW Plans 11X17

Route # and Mile Points:
SH 666

Originating Office:

ROW/Survey

File Name:
F.A.P. 269D_ROW(.PDF)

Box Location:
30 of 38

For assistance, or to request changes to this form,
please email helpdesk@msimaging.com.

MOUNTAIN STATES IMAGING

ALSO SEE
F 022-1(17) FOR
CURB & GUTTER & ROW

P.O.T. 0+00

922.3'

ERICAN WATER
PPLY. CO.
4 SE.4 SEC.27.

P.B.AXTROM ESTATE.
S.2 & S.2N.2 OF SE.4 NE.4 SEC.27.

N

PRISCILLA TSCHOP
NW.4 SEC.22

CORTEZ LAND & SECURITIES CO.
SE.4 SEC.22

LEONA SINCLAIR.
N.2 N.2 OF SE.4 NE.4 SEC.27

N. 29°33' E. 1190.3'

Δ-120° 15' R.
D-6° 00'
T-1662.4'
L-2004.2'

P.C. 0+00
BEGINNING F.A.P. 269-D

CORTEZ APPR. 20+042
24+88.7 A.

W.A. MAJOR.
S.2 OF NW.4 NE.4 SEC.26

P.C. 29+00

SEC.26

ROY GILLIAM

SEC.27 T.36N. R.16W. N.M.P.M.
SEC.22 T.36N. R.16W. N.M.P.M.

Δ-78° 48' L.
D-4° 00'
T-1176.7'
L-1970.0'

P.T. 48+70.0 B. =
40+86.0 A.

EFFIE BERRYMAN
S.2 N.2 OF NW.4 NE.4

CORTEZ LAND & SECURITIES CO.
SW.4 SEC.23

EQUATION

P.C. 48+04.8

P.I. 55+49.1

N. 49° 15' W.
718.8'

1000'
Δ-14° 48' R.
D-1° 00'
T-744.2'
L-1430.0'

P.T. 62+84.9

LELIA M. HARRIS
NE.4 SEC.22

N. 34° 27' W. 1049.6'

284.6'

360'

P.C. 76+94.5

571'

P.T. 79+94.8

P.T. 82+94.5

N. 40° 27' W. 1908.7'

SEC. 22 T.36N. R.16W. N.M.P.M.

COLORADO STATE
HIGHWAY DEPARTMENT
RIGHT OF WAY MAP
P. 269-D 1 INCH = 300 FEET

2

FED. ROAD DIV. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F022-1(17)	4	

RIGHT OF WAY

SE 1/4 SEC. 22,
T. 36N., R. 16W., N.M.P.M.

SW 1/4 SEC. 23,
T. 36N., R. 16W., N.M.P.M.

CANYON

CORTEZ

CITY

722.0' to Corner

Tract "T"

Tract "S"

Road

P.O.S.T. 6907 and P.I.

SERVICE ROAD

95°10'

45

P.T. 48+70.0 BK.*
40+86.0 AH.

N 48°33' W.

To Dove Creek

LIMITS

STA 41+70 END F 022-1(17)=
STA 41+70 on F.A.R. 242-D

ADDITION

EQUATION

Laborer

R.O.W.

P.C. 48+04.9

APPROACH SURVEY

100'VC

6120
6110
6100
6090
6080
6070
6060
6050
6040

42'Lt.
42'Rt.

S. 62°43'E.
S. 62°33'E.
N. 62°85'E.

21.89.12
21.89.80

71.25
71.93
67.20
53.23

60
45
35
50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	1	

COLORADO
STATE HIGHWAY DEPARTMENT

FINAL CONSTRUCTION SHEET

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. 269-D
STATE HIGHWAY NO. 10
MONTEZUMA COUNTY

INDEX OF SHEETS

- TITLE SHEET
- TYPICAL SECTION AND SUMMARY OF QUANTITIES
- STRUCTURES
- SIGNS, MARKERS AND GUARD FENCE
- ELEVATIONS OF BRIDGE, STA. 65 +
- ELEVATIONS OF FLUME, STA. 519.
- ELEVATIONS OF FLUME, STA. 337+ TO 344+
- STANDARD CONCRETE BOX CULVERT. M 104D
- STANDARD REINFORCED CONCRETE CULVERT PIPES M 112A
- STANDARD HEADWALLS FOR C.M.P. CULVERTS. M 102E
- STANDARD SIPHON CORR. GALV. IRON PIPE WITH
- CONCRETE INLET AND OUTLET BOXES M 123A
- STANDARD WIRE CABLE GUARD FENCE M 20 A
- STANDARD WIRE FENCES (UNTREATED WOOD M 24 FX
- POSTS AND MARKER POSTS.
- STANDARD STRUCTURE NUMBER LETTERING. M 10 A
- STANDARD METHODS FOR SUPERELEVATION
- WIDENING OF CURVES. M 1 A
- TYPICAL SIDE APPROACH ROADS & ROADWAY
- CONSTRUCTION TRAFFIC SIGNS. M 2 B
- ALIGNMENT PLAN AND PROFILE
- CROSS SECTIONS

CONVENTIONAL SIGNS

- CENTER LINE OF SURVEY
- RIGHT OF WAY LINES
- TOWNSHIP & RANGE LINES
- CITY LIMITS LINES
- COUNTY LINES
- SECTION LINES
- ONE QUARTER SECTION LINES
- ONE SIXTEENTH SECTION LINES
- RAILROAD TRACKS
- BARBED WIRE FENCE
- COMBINATION WIRE FENCE
- POWER LINES
- TELEPHONE LINES

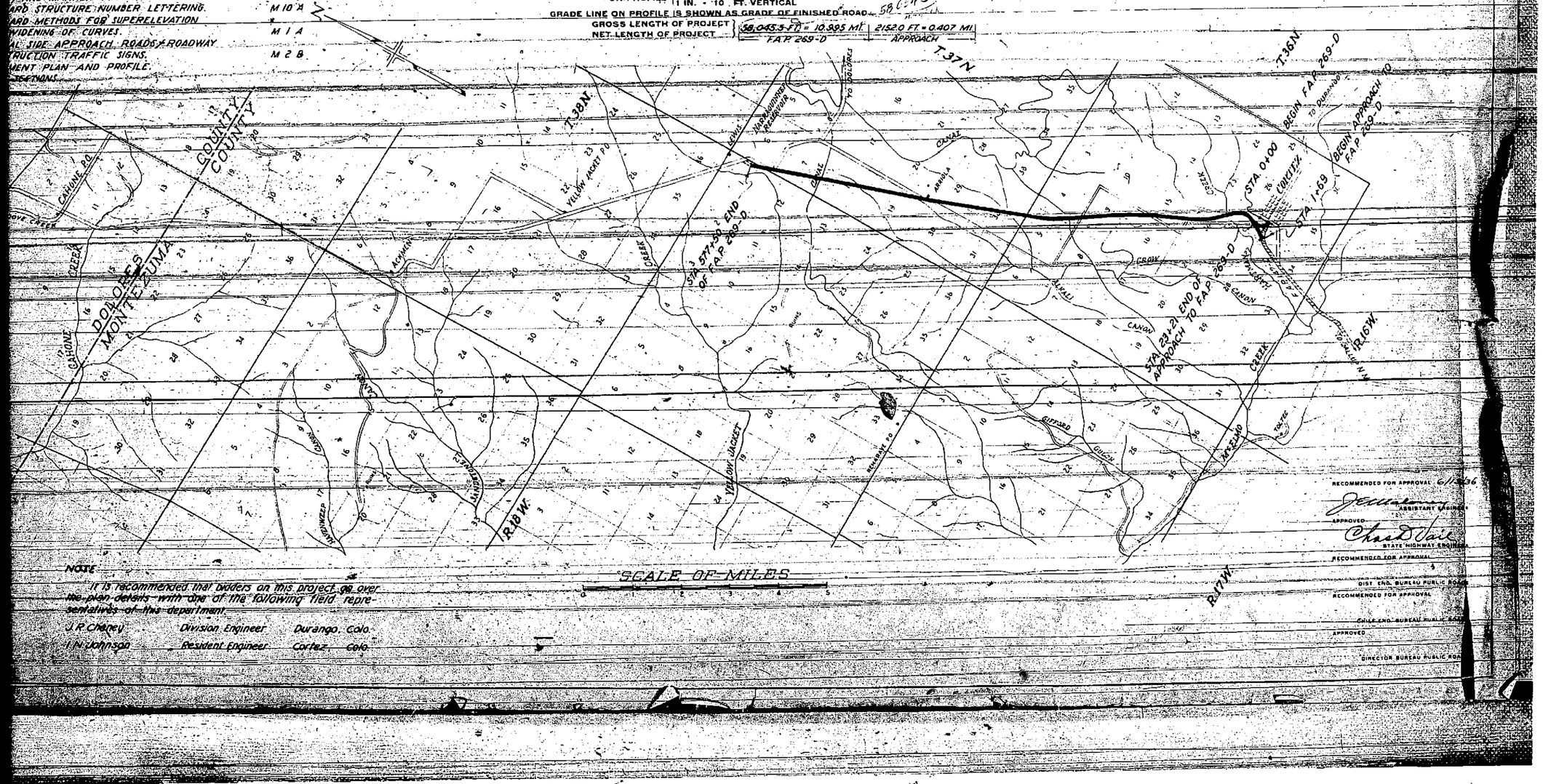
SCALES ON ORIGINAL TRACINGS

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	58,045.5 FT = 10.995 MI.	2152.0 FT = 0.407 MI
NET LENGTH OF PROJECT	F.A.P. 269-D	APPROACH

58,045



NOTE

It is recommended that bidders on this project go over the plan details with one of the following field representatives of this department

J.R. Cheney — Division Engineer — Durango, Colo.
J.N. Johnson — Resident Engineer — Cortez, Colo.

RECOMMENDED FOR APPROVAL 6/1936
ASSISTANT ENGINEER
APPROVED
STATE HIGHWAY ENGINEER
RECOMMENDED FOR APPROVAL
DIST. ENG. BUREAU PUBLIC ROADS
RECOMMENDED FOR APPROVAL
CHIEF ENG. BUREAU PUBLIC ROADS
APPROVED
DIRECTOR BUREAU PUBLIC ROADS

FINALS FOR FAP Nº 269-D

FINAL CONSTRUCTION SHEET

FINAL for BARBED WIRE FENCE

Station	To	Station	Side	Lin. Ft.
12+25	–	23+29	L	1104
13+00	–	20+17	R	717
38+34	–	64+05	L	2571
38+34	–	64+05	R	2571
64+17	–	Wing of Bridge	R	80
64+05	–	" "	L	71
66+94	–	" "	R	70
66+90	–	" "	L	69
68+84	–	102+08	R	3303
68+80	–	181+16	L	3426
100+89	–	130+79	R	2390
102+04	–	131+20	L	2916
130+80	–	222+89	R	3239
132+37	–	223+74	L	3077
223+62	–	242+63	R	1901
224+96	–	240+99	L	1653
242+18	–	277+31	L	3521
243+18	–	277+23	R	3350
277+82	–	348+11	L	7118
277+85	–	348+67	R	7074
447+03	–	502+39	R	5536
447+40	–	502+61	L	5521
530+25	–	568+72	L	3813
530+18	–	546+26	R	1618
551+32	–	571+32	R	2050
570+16	–	571+50	L	134
573+80	–	577+50	R	370
			TOTAL	60316

71641

FINAL for COMBINATION WIRE FENCE

Station	To	Station	Side	Lin. Ft.
23+29	–	38+34	L	1505
19+40	–	38+34	R	1887
130+79	–	191+18	L	1040
130+79	–	191+18	R	1040
139+26	–	139+70	L	1924
142+03	–	156+48	R	1645
139+31	–	190+50	R	3119
189+85	–	193+37	L	327.2
348+11	–	385+03	L	3592
348+61	–	387+65	R	3904
386+53	–	391+62	L	509
391+83	–	447+03	R	5520
392+20	–	447+40	L	5520
502+90	–	530+18	R	2728
503+14	–	530+55	L	2741
			TOTAL	38330

14075

FINAL for GATES IN FENCE

Station	Side	BW	COMB
18+80	L	1	
20+17	L	1	
21+50	L	1	
23+78	L	1	
24+00	R		1
33+18	R		1
33+25	L		1
35+59	L		1
35+18	R		1
47+38	L	1	
53+44	L	1	
74+81	L	1	
101+12	R	1	
102+60	L	1	
158+60	R		1
158+94	L		1
165+82	R		1
169+87	L		1
172+15	R		1
197+80	L		1
198+79	L	1	
199+97	R	1	
210+85	R	1	
210+94	L	1	
236+35	R	1	
235+43	L	1	
257+80	R	1	
257+80	L	1	
286+15	L	1	
286+10	R	1	
311+80	L		1
312+72	R	1	
325+26	R	1	
325+25	L	1	
346+52	R	1	
345+07	L	1	
357+28	L		1
356+95	R		1
362+96	R		1
363+50	L	1	
368+00	R	1	
368+10	L	1	
376+48	L	1	
376+05	R	1	
382+42	R	1	
382+04	L	1	
397+85	L	1	
398+34	R	1	
405+67	R	1	
405+95	L	1	
409+89	R	1	
414+29	L	1	
432+37	R	1	
432+57	R	1	
432+90	L	1	
433+42	L	1	
438+24	R	1	
438+10	L	1	
447+10	L	1	
447+47	L	1	
483+02	L	1	
490+55	L	1	
508+62	L		1
508+86	R		1
513+45	R		1
513+15	L		1
518+30	L	1	
525+61	R		1
525+34	L		1
557+92	L	1	
561+15	L	1	
561+08	R	1	
591+25	L		1
TOTAL		34	40

FINAL for CUT SLOPE TREATMENT

Station	To	Station	Side	Lin. Ft.
3+50	–	17+19	R	1369
10+50	–	M+00	L	350
11+00	–	20+00	R	900
23+78	–	24+00	L	200
24+00	–	25+00	R	550
31+15	–	31+28	L	13
31+15	–	39+00	R	785
31+59	–	31+76	L	20
32+60	–	35+50	L	290
38+50	–	48+70	L	1020
41+00	–	42+50	R	150
46+50	–	48+70	R	220
40+86	–	41+00	R	14
40+86	–	45+40	L	454
42+70	–	45+00	R	225
53+00	–	63+00	R	1000
54+00	–	57+00	L	300
66+06	–	93+50	L	3344
76+00	–	76+00	R	100
78+80	–	80+00	R	150
86+00	–	88+00	R	200
90+50	–	92+00	R	150
93+60	–	95+50	R	190
98+50	–	115+00	R	1650
102+50	–	107+50	L	500
114+50	–	122+00	L	750
117+00	–	119+70	R	270
123+50	–	125+70	L	220
124+00	–	125+70	R	170
127+00	–	135+50	R	850
128+00	–	129+50	L	150
130+00	–	133+00	L	300
136+00	–	150+00	L	1400
137+00	–	158+00	R	2100
154+00	–	160+00	L	600
160+00	–	161+50	R	150
163+50	–	168+00	L	450
164+00	–	168+00	R	400
163+50	–	171+00	R	150
171+50	–	188+00	R	1650
172+00	–	176+00	L	400
178+00	–	188+00	L	1000
191+00	–	204+00	L	1300
191+00	–	192+50	R	150
194+00	–	204+00	R	1000
207+00	–	209+00	L	200
208+00	–	210+00	R	200
211+00	–	216+00	L	500
212+00	–	216+00	R	400
220+00	–	234+00	L	1400
221+00	–	225+00	R	400
226+00	–	237+00	R	900
238+00	–	243+00	R	500
241+00	–	242+00	L	100
245+50	–	248+50	R	400
251+50	–	257+50	R	600
252+00	–	258+00	L	600
268+00	–	276+00	R	800
274+00	–	275+00	L	100
278+00	–	286+00	R	800
284+00	–	288+00	L	400
287+00	–	288+00	R	100
287+00	–	297+00	R	500
293+50	–	296+00	L	250
298+00	–	299+00	L	100
304+50	–	313+00	L	850
304+50	–	313+50	R	900
315+00	–	326+00	L	1100
325+00	–	332+00	R	700
334+00	–	337+00	R	300
334+00	–	338+00	L	400
344+00	–	370+00	L	2600
360+00	–	361+00	R	100
368+00	–	383+00	R	1500
378+00	–	382+00	L	400
385+00	–	399+00	R	1400
393+00	–	398+00	L	500
402+00	–	410+00	R	800
402+00	–	416+00	L	1400
413+00	–	416+00	R	300
423+00	–	450+00	L	2700
424+00	–	430+00	R	600
441+00	–	450+00	R	900
452+00	–	456+50	R	450
452+50	–	456+00	L	350
460+00	–	475+50	L	1550
462+00	–	464+00	R	200
479+70	–	498+00	L	1830
474+40	–	479+80	R	460
484+00	–	487+00	R	300
501+00	–	526+50	R	2550
504+00	–	530+00	L	2600
552+00	–	553+00	L	300
568+00	–	573+50	L	450
569+00	–	575+00	R	600
APPROACH TOTAL				268
PROJECT TOTAL				65576
GRAND TOTAL				68195

F.A.P. Nº 269-D

FINAL for R.O.W. MARKERS

Station	No	Side
0+00	4	L & R
7+86	1	L
8+57	1	R
20+00	1	R
15+76	1	L
18+69	1	L R
38+18	1	L R
38+34 B	1	L
41+18 A	1	L
42+23	1	R
50+00	2	L & R
60+00	4	L & R
66+41	1	L
82+66	1	L
84+10	1	R
100+32	1	R
101+44	1	L
130+65	1	R
131+25	1	L
135+00	4	L & R
137+35	1	L
143+00	1	R
150+00	4	L & R
158+04	1	L
159+25	1	R
190+23	1	R
191+20	1	L
196+50	1	L
198+18	1	R
229+61	1	R
229+77	1	L
242+08	1	L
243+72	1	R
255+31	1	R
255+84	1	L
278+84	1	L
277+90	1	R
305+72	1	L
306+19	1	R
312+22	1	L
315+22	1	R
334+19	1	R
334+65	1	L
363+26	1	R
363+72	1	L
386+50	1	L
390+00	1	R
391+80	1	L
391+81	1	R
419+23	1	R
419+69	1	L
447+22	1	R
447+58	1	L
474+96	1	R
475+33	1	L
476+64	1	L
480+26	1	R
502+70	1	R
503+06	1	L
530+44	1	R
530+80	1	L
568+18	1	R
556+43	1	L
568+06	4	L & R
571+70	1	R
PROJ. MARKERS-1		

APPR: TOTAL	7
PROJ: TOTAL	72
GRAND TOTAL	79
PROJ MARKERS 1	

F.A.P. Nº 269-D

FINAL for WIRE CABLE GUARD FENCE

Station	To	Station	Side	Lin. Ft.
37+00	–	39+96	R	296
43+00	–	45+48B	R	248
46+00	–	51+04A	L	504
57+82	–	62+86	L	504
58+38	–	61+50	R	312
42+94	–	44+85	L	191
64+37	–	65+00	R	63
66+01	–	66+96	L	95
66+16	–	67+11	R	95
80+44	–	85+00	R	456
110+04	–	114+60	L	456
160+54	–	163+50	R	296
168+52	–	171+00	R	248
292+80	–	298+68	L	88
297+88	–	298+76	R	88
526+04	–	529+96	L	392
526+52	–	530+28	R	376
530+04	–	533+96	L	392
530+36	–	534+12	R	376
534+04	–	537+96	L	392
534+20	–	537+96	R	376
576+36	–	578+68	L	232
			TOTAL	7212

FINAL for REMOVAL of FENCE

Station	To	Station	Side	Lin. Ft.
0+00	–	3+40	L	345
3+40	–	5+17	R	190
5+13	–		X	115
0+00	–	2+25	R	230
8+63	–		X	130
11+50	–		X	220
20+17	–		X	140
21+72	–		L & X	335
6+32	–		R & X	100
6+87	–		R & X	155
7+09	–		L & X	130
7+42	–		X	80
81+35	–		L & X	190
19+26	–		X	150
31+60	–		X	200
34+98	–		X	125
34+98	–	36+12	R	135
38+30	–		X	120
74+65	–		X	160
75+17	–	100+18	R	2540
81+17	–	101+15	L	1980
101+68	–		X	160
125+91	–	107+89	R	235
131+00	–		X	125
139+25	–		X	670
141+05	–		X	665
142+12	–	145+22	L	265
145+12	–		X	225
155+07	–		X	205
160+82	–		X	125
159+45	–		X	125
165+85	–		X	155
166+33	–		X	130
173+30	–		X	120
174+20	–	176+30	L	220
178+30	–		X	85
177+68	–		X	125
187+32	–		X	130
190+93	–		X	150
198+09	–		X	210
223+92	–		X	150
224+09	–		X	150
241+81	–		X	205
243+00	–		X	210
255+91	–		X	135
266+23	–		X	120
273+50	–		R & L	375
277+00	–		X	130
279+13	–		X	260
303+96	–		X	130

F.A.P. Nº 269-D

FINAL for REMOVAL of FENCE

Station	To	Station	Side	Lin. Ft.
313+66	–		X	295
320+78	–		X	180
333+92	–		X	135
348+87	–		X	140
360+49	–	362+67	L	225
363+12	–		X	130
363+26	–		X	130
364+52	–	367+40	L	295
367+43	–		X	94
369+48	–		L & X	305
376+17	–	377+46	R	140
377+33	–		X	130
382+26	–		X	140
386+14	–		X	280
388+14	–		X	375
391+40	–		X	125
392+00	–		X	125
398+74	–		X	130
400+84	–		X	385
405+66	–		L & X	270
405+90	–		X	130
418+90	–		X	205
419+70	–		X	125
424+70	–		X	135
432+68	–		X	280
433+00	–		X	125
437+24	–		X	125
447+60	–		X	125
475+08	–		X	130
478+50	–		X	400
502+55	–		X	125
503+10	–		X	125
514+35	–		X	250
515+24	–		X	140
516+80	–		R & X	270
517+85	–		X	130
523+76	–		X	75
524+40	–		L & X	150
529+30	–		X	295
530+35	–		X	130
531+20	–		X	460
537+75	–		X	130
566+65	–		X	225
570+76	–		X	500
572+20	–		X	625
APPROACH TOTALS				1105
PROJECT TOTALS				22608
GRAND TOTAL				23715

F.A.P. Nº 269-D

APPROACH TO F.A.P. 269

Station	To	Station	Side	Lin. Ft.
576+63	–	582+05	R	350

APPROACH TO PROJECT

CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	269-D	23	

T. 36 N. - R. 16 W.

CITY LIMITS 1149.6' From Center of Main Street to Main Line Sta. 21+52.1

Sta. 0+00 - Beginning of Project - Begin Const. Curb & Gutter - Match Exist. Curb & Gutter

Sta. 0+00 - Begin Const. Sidewalk - Match Exist. Sidewalk

Sta. 0+00 - Begin Const. Pavement - Match Exist. Pavement

Sta. 0+00 - Begin Const. Base Course - Match Exist. Base Course

Sta. 0+00 - Begin Const. Curb, Gutter & Sidewalk - Match Exist. Curb, Gutter & Sidewalk

Sta. 0+00 - Begin Const. Pavement, Base Course, Curb, Gutter & Sidewalk - Match Exist. Pavement, Base Course, Curb, Gutter & Sidewalk

Sta. 0+00 - Begin Const. Pavement, Base Course, Curb & Gutter - Match Exist. Pavement, Base Course, Curb & Gutter

Sta. 0+00 - Begin Const. Pavement, Base Course & Curb - Match Exist. Pavement, Base Course & Curb

Sta. 0+00 - Begin Const. Pavement & Base Course - Match Exist. Pavement & Base Course

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	269-D	24	

NOTE: All poles encroaching on Right-of-Way are to be moved by owners. Fencing, Gates, Wire Cable Guard Fence and R.O.W. Markers required are tabulated on Sheet" Grades and Alignment as shown hereon are subject to modification during construction.

T. 36 N. - R. 16 W.

N.E. 1/4 SEC. 27

P.O.T. 0+00.0

P.I. 16+62.4 CORTEZ CONNECTION

Sta 2+00 – Reqd. 6'-0" Fence Cross Curve & 6 cu. yds. Class "A" Concrete Collar

P.O.T. 8+20.7

Sta 8+35 – Required 4'-0" Fence Cross Drain on Left.

Sta 8+50 – Required 20' of Guard Fence on Left – Road Approach on Left

Sta 12+45 – Required 16' of Fence Entrance for Road Approach on Left.

P.O.T. 12+75.5

APPROACH Sta. 20+35 – Reqd. 16'-0" C.M.P. Cross Curve & 10 cu. yds. Class "A" Concrete Collar Drains.

Sta 18+65 – Required Fence Entrance for CORTEZ CONNECTION Road Approach on Left – Also Reqd. 16'x26' C.M.P. Side Road Cross Culvert & 5 cu. yds. Class "A" Concrete Collar Drains.

Sta 19+05 – Required 16'-0" C.M.P. Cross Culvert & 5 cu. yds. Class "A" Concrete Collar Drains.

MAIN LINE

Sta 25+25 – Reqd. 16'-0" C.M.P. Cross Culvert & 5 cu. yds. Class "A" Concrete Collar Drains.

Sta 26+00 – Reqd. 16'-0" C.M.P. Cross Culvert & 5 cu. yds. Class "A" Concrete Collar Drains.

P.O.T. 26+33.5

P.C. 29+00.0

Δ 78°48'

D 4°

T 1176.7

L 1970.0

R 1432.5

RESERVOIR

TO GALLUP, N.M.

PRESENT ROAD F.A.P. 147-D

STA. 0+00 = P.T. 52+66.6 OF F.A.P. 147-D

STA. 1+69 = BEGINNING OF APPROACH TO F.A.P. 269-D.

Approach or Concrete Pavement

N. 30° 15' E.

SIDE ROAD

ROAD

S.E. 1/4 SEC. 27

CLEARING & GRUBBING: Sta 3+40 to 12+40 – Medium Sage Brush.

SECTION LINE

O.F. INSET

CORTEZ CONNECTION Δ 120° 15' R. D. 6° T. 1662.4' L. 2004.2' R. 955.0'

STA. 23+21 = END OF APPROACH TO F.A.P. 269-D.

P.T. 20+04.2 CORTEZ CONNECTION B.

STA. 24+83.7 MAIN LINE AHEAD

N.W. 1/4 SEC. 26

P.O.T. 31+90.7

PROFILE

| | | |

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	25	

T.36 N. - R.16 W.

NE.¼, Sec.27

S.E.¼, Sec.22

S.W.¼, Sec.23

N.W.¼, Sec.26

P.C. 29+00.0

P.O.S.T. 31+60.1

P.O.S.T. 35+51.7

P.I. 40+76.7

P.C. 49+04.9

Δ 78°48' L.
D 4°
T. 1176.7'
L. 1970.0'
R. 1432.5'

Δ 14°48' Rt.
D 1°
T. 744.2'
L. 1480.0'
R. 5730.0'

N.30°15' E.

N.48°33' W.

EQUATION - P.I. 28+70.0 BACK = STA. 40+88.0 AHEAD

Sta. 31+60 - Reqd. 18"ø C.M.P. Siphon (1% = 4.5 & H = 4.0) Skew: 75° Rt.

Sta. 31+50 - Reqd. 24"ø C.M.P. Cross Culv.

Sta. 34+00 - Reqd. 24"ø C.M.P. Cross Culv. & 5 cu. Yds. Ex. for outlet pitch.

Sta. 44+75 - Reqd. 18"ø C.M.P. Cross Culv. & 25 cu. Yds. Excavation for outlet.

Sta. 45+40 - Remove 18"x70' C.M.P. on Rt.

Sta. 41+60 - Remove 24"x54' C.M.P. Cross Culv. Reqd.

Sta. 41+40 - Reqd. 20 cu. Yds. Emb. for Rd. Appr. on Rt.

Sta. 45+00 to 47+00 - Reqd. 100 cu. Yds. Emb. for Road Approach on Right.

Sta. 18+50.50 - Reqd. Special 8'x6' Conc. Box Culv. (Details on Sheet No. 13.) Also reqd. 600 cu. yds. Excav. for inlet & outlet channel. (Material to be used in dike and channel.)

Sta. 52+50 - Reqd. 18"ø C.M.P. Cross Culv.

Telephone Line

SECTION LINE

EQUATION

POND

ROAD

CLEARING & GRUBBING:
Sta. 41+50 to 43+50 - Heavy Sage Brush.

PROFILE OF CENTER LINE OF ROAD

EXCAV.	3276
EMBKT.	767
BORROW	5807
STRUCTURAL CONCRETE	2668
BOR. SOURCE	

PLATE 1 - PLAN-PROFILE

6080

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	26	

Revised 3-11-37 WWD

T. 36 N. – R. 16 W.

SE. 1/4, SEC. 22

HARTMAN'S STREAM

P.I. 55+49.1

P.O.C. 56+00.0

N. 46° 33' W.

Δ 14°48' R.
D. 1°
T. 744.2'
L. ~~1488.0~~
R. 5730.0'

P.C. 48+04.9

P.I. 62+84.9

Sta. 64+93.9 to 66+07.07 Riprap details on Sheets Nos. 5 & 6 Rev. 4-11-38

Excavation to Improve Channel. Material to be Used to Fill Old Channel and Dike New Channel

Sta. 74+80 Rect. 183-48" C.M.P. Cross Culv. & 5 cu. yds. Excavation or Outlet

P.O.T. 74+65.0

P.C. 76+94.5

N. 33° 45' W.

CHAN. IMPROVEMENT

DEEP ARROYA

CHANNEL IMPROVEMENT

DRAW

N.E. 1/4, SEC. 22

P.I. 79+9.8

Δ 6°00' L.
D. 1°
T. 300.3'
L. 600.0'
R. 5730.0'

CLEARING & GRUBBING:
Sta. 58+00 to 67-34 – Heavy Sage Brush.

STRUCTURE NOTES FOR BRIDGE - STA. 64+93.9 TO STA. 66+07.07
STRUCTURE NO. 0-2-N

	PRESENT STRUCTURE (NEW ALIGNMENT)	PROPOSED STRUCTURE
SPAN		
CLEAR ROADWAY		
CLEAR WATERWAY	700 sq. ft.	
TYPE OF SUPERSTRUCT.	TIMBER	
TYPE OF SUBSTRUCT.	TIMBER SILLS	
STREAM DATA		
DRAINAGE AREA IN SQ. MILES	30	
VELOCITY DURING HIGH WATER		
ELEVATION OF:		
MAXIMUM HIGH WATER	6033.0	
LOW WATER		
NORMAL STAGE		
STREAM BED		
DRIFT	Quite.	
SCOUR	LIGHT	
	MEDIUM	

	PROPOSED STRUCTURE
POSITION REFERED TO PRESENT STRUCTURE	15' N. DOWNSTREAM
SPAN	25'-0"
CLEAR ROADWAY	175. SQ. FT.
CLEAR WATERWAY	
TYPE OF SUPERSTRUCT.	"I" BEAM CONC.
TYPE OF SUBSTRUCT.	"L" CANT'L. CONC. ABUTS. GRAV. PIER
OUTSIDE STRUCTURE REQUIREMENTS	USE PRESENT ROAD.
GRADING	DOLORES
HAUL TO BRIDGE SITE	11 MI.

NEARBY STRUCTURE ON SAME STREAM

LOCATION	
WATERWAY	
RECORD DURING FLOOD	

BRIDGE

Wilderness Cut Sta. 50+30 to 52+30

PLATE 1 – PLAN-PROFILE U. S. B. R. STANDARD

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	27	

T. 36 N. - R. 16 W.

N.W. 1/4 SEC. 22

Δ 6°00' L
T. 300.3'
L. 600.0'
R. 5730.0'

P.I. 79+94.8

P.T. 82+94.3

Sta 82+38 - Remove 8"x24" C.M.P. Cross Culv. Regd. 18"x76" C.M.P. Cross Culv.

Sta 80+40 - Remove 8"x24" C.M.P. Cross Culv. Regd. 24"x58" C.M.P. Cross Culv.

Sta 93+60 - Remove 18"x46" C.M.P. Cross Culv. Regd. 24"x76" C.M.P. Cross Culv.

Sta 96+90 - Remove 18"x58" C.M.P. Cross Culv. 30'-0" Excavate Ditches

Sta 104+60 - Remove 18"x58" C.M.P. Cross Culv. Extend Culv. Left & Right. Reset Headwalls

Telephone Line

PRES. ROAD

Cross Street

Sta 105+00 - Regd. 18"x60" C.M.P. Cross Culv. & Ca. Yds. Excav. for Outlet.

Sta 101+60 - Regd. 18"x58" C.M.P. Cross Culv.

P.O.C. 102+23.2

P.O.S.T. 105+17.7

P.O.C. 104+00.0

P.O.C. 107+00.0

Sta 108+30 - Regd. 18"x52" C.M.P. Cross Culv.

P.O.C. 110+00.0

N. 33°45' W.

N. 39°45' W.

N. 16°55' W.

SIDE ROAD

Δ 22°46' R
T. 576.8'
L. 1138.3'
R. 2865.0'

S.W. 1/4 SEC. 15

N.E. 1/4 SEC. 22

1/4 LINE

SECTION LINE

CLEARING & GRUBBING:
Sta. 106+50 to 111+50 - Sage Brush.

EL. 6150

+0.1% 6140

6130
6120
6110
6100
6090
6080
6070
6060

F.L. 65.0
F.L. 75.7
F.L. 78.9
F.L. 96.3
F.L. 15.9
F.L. 31.1
F.L. 36.4

300' V.C.
400' V.C.
300' V.C.

Drain.
Str. Pipe
Surface
Invert
Elevation
Bor. Source

80 85 90 95 100 105 110

PLATE 11 - PROFILE

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	28	

T. 36 N. - R. 15 W.

SECTION LINE

S.E. 1/4, SEC. 16

N.E. 1/4, SEC. 16

S.W. 1/4, SEC. 15

N.W. 1/4, SEC. 15

1/4 LINE

N. 16° 59' W.

P.I. 108+00.0

P.O.C. 110+00.0

P.T. 113+61.5

Δ 22°46' R.
D. 2°
T. 576.8'
L. 1138.3'
R. 2865.0'

Sta. 112-50 - Reqd. 18"ø C.M.P. Cross Culv. & 5 cu. yds. Excav. for Ditch.

Sta. 114-50 - Reqd. 48"ø C.M.P. Cross Culv. 55' out Right. Also Reqd. 330 cu. yds. Excav. for Inlet & Outlet Connect.

P.O.T. 116+60.0

Sta. 120-70 - Reqd. 24"ø C.M.P. Cross Culv. & 5 cu. yds. Excav. for Outlet Ditch.

Sta. 123-00 - Reqd. 54"ø C.M.P. Cross Culv.

Sta. 123-55 - Reqd. 30"ø C.M.P. Cross Culv.

IBERIA DITCH

P.O.T. 124+50.0

Sta. 126-15 - Reqd. 42"ø C.M.P. Cross Culv. & 5 cu. yds. Excav. for Outlet.

Sta. 129-55 - Reqd. 18"ø C.M.P. Cross Culv. & 20 cu. yds. Excav. for Ditches. Also Reqd. 2-42"ø C.M.P. under Hwy. with 10' cu. yds. Excav. for Outlet.

P.O.T. 131+00.0

P.O.T. 133+50.0

PRESENT ROAD

Sta. 135-70 - Reqd. 18"ø C.M.P. Cross Culv. & 40 cu. yds Excav. for Outlet.

P.O.T. 138+00.0

P.O.T. 139+25.0

Sta. 139+25 - Reqd. 24"ø C.M.P. Emb. to Hwy. Also Reqd. 18"ø C.M.P. Left Side Drain Inlet & 30' Side Drain to Ext.

DITCH CHANGE

REGISTRATION

Telephone Line

CLEARING & GRUBBING:
Sta. 117+50 to 131+00 - Sage Brush.
Sta. 131+00 to 139+25 - Apple Orchard.

400' V.C.

500' V.C.

+1.10%

+1.70%

+4.10%

+1.15%

+3.25%

EL. 84.7

EL. 83.2

EL. 56.8

EL. 55.6

EL. 60.9

EL. 63.5

EL. 84.2

EL. 92.9

EL. 104.00

6200
6190
6180
6170
6160
6150
6140
6130

110 115 120 125 130 135 140

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	29	

Revised 10-5-36 F.F.S.

T. 36 N. - R. 16 W.

P.O.T. 139+25.0

P.O.T. 141+12.0

Sta. 138+00 to 145+70 - Regd. 100 cu. Yds. Excav. for Ditch Change on Left

DITCH CHANGE

Irrig. Ditch

Irrigation Ditch

Telephone Line

PRESENT ROAD

P.O.T. 145+11.0

Sta. 149+00 - Regd. 14'x12' C.M. Siphon (14'=4.5') Skew 45° Rt.

Sta. 150+00 to C.M.P.

Irrig. Ditch

N. 16° 59' W.

P.O.T. 155+09.0

Sta. 155+27 - Regd. 18'x12' C.M. Siphon (14'=3.7') - Skew 36° Rt.

Sta. 155+37 - Regd. 18'x102' C.M.P. Cross Culv. - Skew 36° Lt.

Irrig. Ditch

Sta. 158+35 - Regd. 18'x102' C.M.P. Cross Culv. - Skew 75° Lt.

P.O.T. 158+83.0

Telephone Line

N.E. 1/4, SEC. 16

SECTION LINE

N.W. 1/4, SEC. 15

Sta. 161+00 to Cut Yds. Emb. for Road on Right & 164+00 Cut Yds. Road on Right

P.C. 161+53.8

Sta. 162+00 - Regd. 18'x64' C.M.P. Cross Culv.

P.O.S.T. 162+00.0

Sta. 162+00 - Regd. 18'x64' C.M.P. Cross Culv.

Sta. 165+41 - Regd. 18'x60' C.M. Siphon (14'=4.0') - Also 10 Yds. Excav. for Inlet & Outlet Ditches

P.O.C. 165+50.0

Δ = 18° 43' Lt.
D = 2°
R = 2865.0'
T = 472.2'
L = 935.8'

Sta. 166+00 - Regd. 18'x78' C.M. Siphon (14'=4.0') - Also 5 Cu. Yds. Excav. for Ditches

Sta. 168+70 - Regd. 18'x64' C.M.P. Cross Culv.

P.T. 170+89.0

P.I. 166+26.0

N. 35° 42' W.

S.E. 1/4, SEC. 9

Sta. 159+00 - Regd. 40 Cu. Yds. Embank. for Road Approaches on Left & Right.

565.0 to Corner

CLEARING & GRUBBING:
Sta 159+43 to 164+00 - Apple Orchard.

Excav. Embankment Borrow Sta 161+00 to 164+00 Borrow Source

Widened Cut Sta. 138+00 to 149+00
Sta. 153+00 to 159+00

6250 6240 6230 6220 6210 6200 6190 6180

+0.30% +0.25% +0.93% 400' V.C.

F.L. 228.1 F.L. 229.0 F.L. 227.8 F.L. 216 F.L. 238 F.L. 194 F.L. 130 F.L. 115

140 145 150 155 160 165 170

PLATE 1 - PLAN-PROFILE - P. P. R. R. Division

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	30	

T. 36 N. - R. 16 W.

S.W. 1/4, SEC. 9

Δ 18°43'
D 8°
T. 472.2
L. 935.8
R. 2865.0'

Sta. 170+88 - Beg. 24" C.M.P. Cross Culv.

P.T. 170+89.5

Sta. 172+80 - Beg. 18" C.M. Siphon (H = 6.3') Length 194' 75° Lt.

550 Cu. Yds. Embank. for New Dike & Reservoir on Lt.

Sta. 173+00 to 174+50 - Req'd. 25 Cu. Yds. Excav. for Ditch Change on Lt.

DITCH CHGE.

RESERVOIR

Irrig. Ditch

P.O.T. 183+90.0 Beg. 18" C.M. Siphon (H = 6.0') Length 182.80' 60° Lt.

Irrigation Ditch

P.O.T. 187+32.0

Sta. 187+10 - 18" C.M.P. Cross Culv. Length 36.0' Add'l. 90 Cu. Yds. Excav. for Bend & Inlet

Sta. 189+15 - Beg. 18" C.M.P. Cross Culv. Length 190' 90° Lt.

Irrig. Ditch

P.O.T. 191+00.0

P.O.T. 198+00.0

N.W. 1/4, SEC. 9

N. 35° 42' W.

S.E. 1/4, SEC. 9

1/4 LINE

N.E. 1/4, SEC. 9

CLEARING & GRUBBING:
Sta. 191+31 to 197+00 - Heavy Sage Brush.

	170	175	180	185	190	195	200
Excav. Unit Qty.	1580		1877	1222	4427		282
Excav. Total Qty.	2108		3099		5709		
Total Q.T.M.			5238		13241		
Cor. Sec. Rec.							

PLATE I - PLAN-PROFILE

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	COLO.	269-D	31	

T. 36 N. - R. 16 W.

N.W. 1/4 Sec. 9

N.E. 1/4 Sec. 9

S.W. 1/4 Sec. 4

N. 35° 42' W.

P.O.T. 201+69.

Sta. 204+07 - 24" R.C.M. Siphon (L=25' - Skew 70° Rt.

Sta. 204+69 - 18"x25" C.M.P. cross culv. - Skew 70° Rt.

Sta. 209+38 - 24" R.C.M. Cross Culv.

Sta. 214+00 - 24" R.C.M. cross culv. - Skew 45° Lt. - 450 S. cu. yds. Excav.

Sta. 220+40 to 222+10 Req'd 30 cu. yds. Excav. for Ditch Change on Lt.

P.O.T. 222+00.0

P.O.T. 223+40.0

P.O.T. 224+00.0

Sta. 227+00 - 24" R.C.M. cross culv. & 5 cu. yds. Excav. for outlet ditch

Sta. 223+70 - Req'd 76 cu. yds. Excav. for Road Apron on Lt. & Rt. - Also 18"x30" C.M.P. Side Drain on Lt. & 18"x28" C.M.P. Side Drain on Rt.

TRIG. DITCH

DITCH CHANGE

ROAD

PRESENT

SECTION LINE

1/4 LINE

CLEARING & GRUBBING:
Sta. 201+69 to 204+00 - Sage Brush.

F.L. 43.0

F.L. 44.2

F.L. 39.9

F.L. 44.3

F.L. 38.6

-2.60%

+1.37%

-1.44%

+0.90%

-0.95%

700 V.C.

600 V.C.

400 V.C.

600 V.C.

1833

1835

1600

2798

3913

110

6280
6270
6260
6250
6240
6230
6220
6210

200
205
210
215
220
225
230

Excav. Quantities Borrow to Make Fill Material for Subgrade

FLUTE - FLINT PROFILE PAPER

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	269-D	32	

T. 36 N. - R. 16 W.

S.E. 1/4 Sec. 4

Sta 230+50 - Reqd. 18"x54" CMP Cross Culv.

P.I. 50+127.9

Sta 236+50 - Reqd. Skew 36°10' CMP Cross Culv. - Skew 35° Rt.

Sta 237+00 - Reqd. 18"x54" CMP Cross Culv.

P.O.C. 241+45.0

Sta 243+50 to 245+12 - Reqd. 170 Cu. Yds. Emb. for Ditch Change on Lt.

Ditch Change

Irrig.

County Road

Irrigation Ditch

N. 35°42' W.

Sta 245+12 to 249+30 - Reqd. 160 Cu. Yds. Excav. for Ditch Change on Rt.

Ditch Change

Irrig. Ditch

P.O.C. 254+45.0

Sta 254+45 - Reqd. 18"x54" CMP - Skew Ditch CM Siphon 75° Lt. - Skew 55° Lt. - Also 60 Cu. Yds. Emb. for inlet ditch.

Sta 260+00 - Reqd. 24"x66" CMP Cross Culv.

N. 20°52' W.

Δ 14°50' R.
D 1°
T. 745.9'
L. 1483.3'
R. 5730.0'

Sta 240+00 - Reqd. 18"x56" CMP Cross Culv. & 5 Cu. Yds. Excav. for outlet Ditch.

P.O.C. 242+82.0

Sta 245+22 - Reqd. 18"x58" CMP Cross Culv.

P.T. 253+65.3

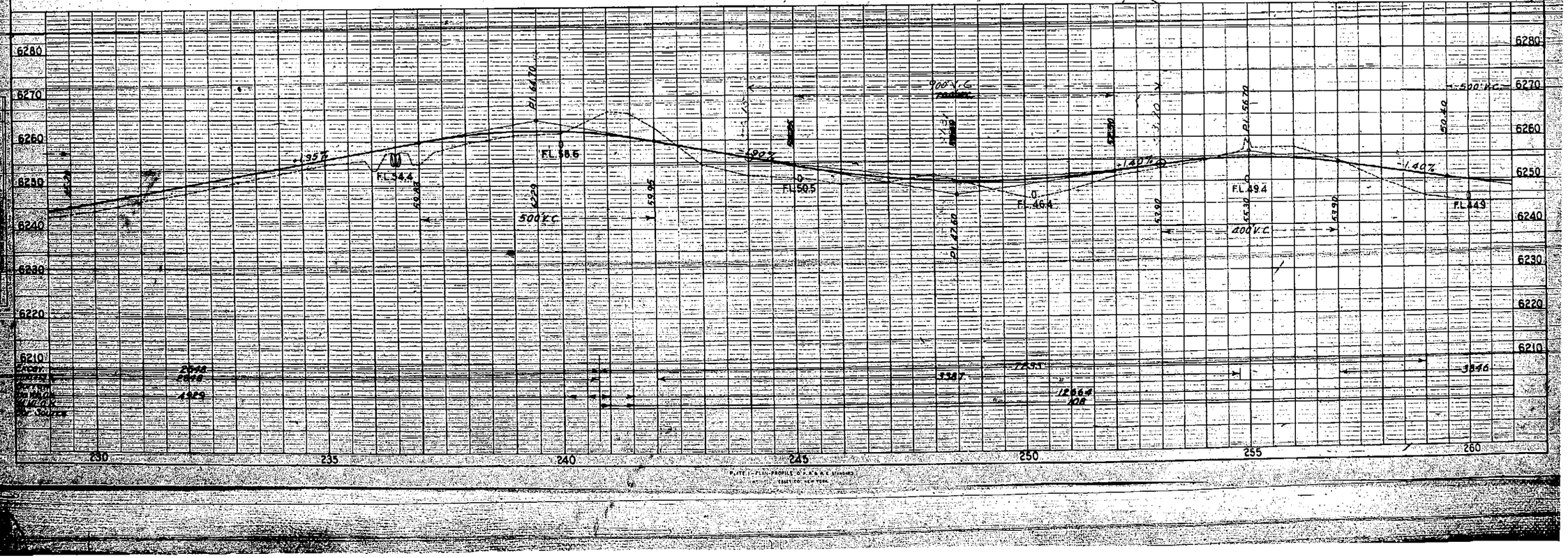
Section Line

1/4 Line

S.W. 1/4, Sec. 4

E. 1/2, N.E. 1/4, Sec. 5

CLEARING & GRUBBING:
Sta. 239+50 to 241+00 - Medium Piñon & Cedar Trees.



FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FEDERAL PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	33	

T. 36 N. - R. 16 W.
SECTION 5

T. 37 W. - R. 16 W.
SECTION 32

1/16 LINE

W. 1/2, N.E. 1/4, SEC. 5

W. 1/2, S.E. 1/4, SEC. 32

E. 1/2, N.E. 1/4, SEC. 5

E. 1/2, S.E. 1/4, SEC. 32

9th CORRECTION LINE NORTH
TOWNSHIP LINE

P.O.T. 266+23.0

Sta. 267+31 - Reqd. 19.60 Cu. Yds. C.M.P. Cross Culv. & 5 Cu. Yds. Excav. for Inlet Ditch.

P.O.T. 270+00.0

Sta. 272+70 - Reqd. 43.58 C.M.P. Cross Culv.

P.O.T. 274+00.0

Sta. 277+66 - Reqd. 43.58 C.M.P. Cross Culv.

Sta. 277+88 - Reqd. 19.60 Cu. Yds. Excav. for Inlet Ditch on Lt.

P.O.T. 278+00.0

Sta. 277+10 to 278+40 - Req'd. 65 Cu. Yds. Emb. for Ditch Change on Lt.

Sta. 289+00 - Reqd. 43.58 C.M.P. Cross Culv. & 5 Cu. Yds. Excav. for Ditches.

Sta. 274+00 to 275+00 - Req'd. 200 Cu. Yds. Excav. for Ditch Change on Rt.

Sta. 278+40 to 280+25 - Req'd. 40 Cu. Yds. Excav. for Ditch Change on Rt.

Sta. 277+40 - Reqd. 19.60 Cu. Yds. Emb. for Road Fill

Sta. 278+88 - Reqd. 19.60 C.M.P. Cross Culv.

Trails Ditch

Ditch Change

Ditch Change

Ditch Change

N. 20° 52' W.

60' | 60' | 60' | 60' | 60'

260 | 265 | 270 | 275 | 280 | 285 | 290

6280 | 6270 | 6260 | 6250 | 6240 | 6230 | 6220 | 6210

300' V.C.

+2.525%

-1.09%

49.35

53.21

53.21

62.24

700' V.C.

59.05

-2.30%

Fl. 552

Fl. 569

Fl. 447

Fl. 443

600' V.C.

400' V.C.

+4.75%

-1.47%

Fl. 430

Fl. 430

Fl. 430

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	289-D	34	

T. 37 N. - R. 16 W.

S.W. 1/4, SEC. 32

N.W. 1/4, SEC. 32

1/4 LINE

P.O.T. 295+00.0

P.O.T. 310+00.0

P.O.T. 320+78.0

Sta 298+50 - Reg'd 30 Inches Conc. Box Culv. (TYPE - 30" - Skew 60 Rt.) Also 385 Cu. Yds. Exc. for outlet Chan. (Material to be used to dike old Chan.)

Sta 301+00 - Rem'd 68 L.F. C.M.P. Cross Culv. Also Channel Change. 10 Cu. Yds. Excav. for Ditches.

Sta 303+22 - Reg'd 68 L.F. C.M.P. Cross Culv.

Sta. 314+25 - Reg'd 54 L.F. C.M.P. Cross Culv.

BRIDGE DITCH

DITCH CHANGE

Sta. 292+85 to 297+25 - Reg'd 600 Cu. Yds. Excav. for Ditch Change on Rt.

N. 20° 52' W.

W. 1/2, S.E. 1/4, SEC. 32

W. 1/2, N.E. 1/4, SEC. 32

CLEARING & GRUBBING:
Sta. 293+00 to 300+00 - Sage Brush.
Sta. 301+50 to 302+80 - Cat-tail Swamp.
Sta. 303+21 to 315+00 - Sage Brush.

600' V.C.

700' V.C.

EL. 60.1

EL. 55.4

EL. 45.9

EL. 74.3

-2.20%

+4.00%

6300
6290
6280
6270
6260
6250
6240
6230

290 295 300 305 310 315 320

PLATE 1 - PLAN-PROFILE

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	35	

T. 37 N. - R. 16 W.

P.O.T. 320+78

Sta. 325+25 - Req'd. 125 C.M. 12pipe (H=5.8')-Skew 45°R Also 40 Cu. Yds. Excav. for Inlet & Outlet Ditches

P.O.T. 325+450

Sta. 325+25 - Req'd. 84 Cu. Yds. Emb. for Road Approach Left

Sta. 327+50 - 18" X 60' C.M.P. Cross Culvert

P.O.T. 333+92.0

Sta. 334+00 to 337+70 - Req'd. 175 Cu. Yds. Exc. for Ditch Change on Lt.

P.O.T. 338+00.0

Sta. 337+75 to 344+75 - Req'd. 700 Lin. Ft. of Galv. Metal Flume, with Conc. Inlets and Outlets. (See Details on Sheet No. 12)

Sta. 344+80 to 345+70 - Req'd 50 Cu. Yds. Excav. for Ditch Change on Lt.

P.O.T. 348+87.0

DITCH CHANGE

IRRIGATION DITCH

IRRIG. DITCH

N. 20° 52' W.

Sta. 325+25 - 18" X 20' C.M.P. Side Inlet on Rt. Also - 23 Cu. Yds. Emb. for Road Approach

N.W. 1/4, SEC. 32

1/4 LINE

N.E. 1/4, SEC. 32

SECTION LINE

Sta. 337+50 - Req'd. 18" 64' C.M.P. Cross Culv. & 15 Cu. Yds. Exc. for Inlet & Outlet Ditches.

S.W. 1/4, SEC. 29

60 — 320 — 60 — 325 — 330 — 60 — 60 — 335 — 340 — 345 — 350 — 60

6350 6340 6330 6320 6310 6300 6290 6280

.400% .450% .700% .000%

F.L. 06.8 F.L. 09.0 F.L. 28.8

400' V.C. 700' V.C. 400' V.C.

320 325 330 335 340 345 350

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	269-D	36	

T. 37 N. - R. 16 W.

P.O.T. 348+87.0

Sta 354+00 - 18"x 30' A.M.P. Cross Culvert

Sta 357+25 - 18"x 28' C.M.P. Side drain on Left - Also 49 Cu. Yds. Emb. for approach

Sta 358+00 - Reqd. 18" x 45' C.M.P. Cross Culvert

Sta 362+00 - 18"x 56' C.M.P. Cross Culvert

P.O.T. 363+12.0

Sta. 360+15 to 369+60 - Req'd. 1000 Cu. Yds. Exc. for Ditch change on Lt.

Sta 367+90 - 77' Reqd. Emb. & Exc. for Road approach

P.O.T. 369+45.0

Sta 369+93' C.M. Siphon, (H=2.5') - Skew 60° Rt.

Sta 370+05 - Reqd. 18"x 96' C.M. Siphon, (H=4.8') - Skew 60° Rt. Exc. for Outlet. Also 5 Cu. Yds.

Sta 373+50 - Reqd. 18" x 65' C.M.P. Cross Culv. - Skew 60° Rt. - Also 5 Cu. Yds. Exc. for Outlet

Sta 375+00 - Reqd. 18" x 45' C.M.P. Cross Culv. & Headwall - Skew 60° Rt. - Also 10 Cu. Yds. Exc. for Ditch change

Sta 376+25 - Reqd. 18" x 45' C.M.P. Cross Culv. - Skew 60° Rt. - Also 10 Cu. Yds. Emb. for Road approach

Sta 379+00 - Reqd. 18" x 45' C.M.P. Cross Culv. - Skew 60° Rt. - Also 10 Cu. Yds. Exc. for Ditches.

Sta 373+65 to 379+80 - Reqd. 220 Cu. Yds. Embank. for Ditch change on Rt.

DITCH CHANGE

IRRIG. DITCH

PRIVATE LATERAL

STOCK DRIVEWAY

N. 20° 52' W.

S.W. 1/4, SEC. 29

N.W. 1/4, SEC. 29

1/4 LINE

6390
6380
6370
6360
6350
6340
6330
6320

350 355 360 365 370 375 380

2.38%
2.38%
F.L. 533
F.L. 727.2
F.L. 727.7
F.L. 736.4
F.L. 735
F.L. 728
F.L. 730.4
500' V.C.
600' V.C.
400' V.C.
1573
1315
334
119
2982
2982
1498
1100
828
On right of way

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	37	

T. 37N - R. 16W

N.E. 1/4, SEC. 30

S.E. 1/4, SEC. 19

N.W. 1/4, SEC. 29

S.W. 1/4, SEC. 20

SECTION LINE

P.O.T. 382+00

P.I. 387+40

P.O.T. 391+40

P.O.T. 397+90

P.O.T. 405+66.1

P.C. 385+22.9

P.T. 389+74.6

Δ 4°31'R.
D. 1°
T. 226.0'
L. 451.7'
R. 5730.0'

Sta. 384+00 - Reqd. 36"x76' C.M.P. Cross Culv.

Sta. 388+25 - Reqd. 18"x26' C.M.P. Side Drain on Rt.

Sta. 391+85 - Reqd. 18"x30' C.M.P. Side Drain on Rt.

Sta. 393+40 - Reqd. 24"x56' C.M.P. Cross Culv. Also 15 Cu. Yds. Excav. for Outlet.

Sta. 397+90 - Reqd. 30"x70' C.M.P. Siphon, (H=6.0') - Skew 30° Rt. Also 35 Cu. Yds. Excav. for Outlet.

Sta. 401+00 - Reqd. 42"x72' C.M.P. Cross Culv. - Skew 30° Rt. - Also 25 Cu. Yds. Excav. for Outlet.

Sta. 403+75 - Reqd. 18"x62' C.M.P. Siphon, (H=4.0') - Skew 75° Rt.

Sta. 404+75 - Reqd. 18" C.M.P. Ent. for Irrig. Ditch on Left.

PRESENT ROAD

IRRIG. DITCH

ITAS. 403' FROM P.I.

N.20°52'W.

N.16°21'W.

CLEARING & GRUBBING:
Sta. 397+00 to 403+00 - Light Piñon & Cedar Trees.

200' V.C.

300' V.C.

400' V.C.

3.40%

3.70%

F.L. 78.2

F.L. 97.1

El. 107.5

F.L. 114

F.L. 116.8

6440
6430
6420
6410
6400
6390
6380
6370

380 385 390 395 400 405 410

FINAL CONSTRUCTION SHEET 2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	269-D	38	

T. 37 N. - R. 16 W.

N. 16° 21' W.

S.E. 1/4, SEC. 19

N.E. 1/4, SEC. 19

1/4 LINE

P.O.T. 414+82.8
Sta. 415+35 Reqd. 18"x30' C.M. Siphon (H-807) - Skew 60° Rt.
Excav. for Outlet
Also 15 Cu. Yds.

Sta 410+30 - 18" x 30' C.M.P. Side Drain on Left
Also 52 Cu. Yds. Emb. for Approach

Sta 417+00 - 18" x 60' C.M.P. Cross Culvert

Sta 421+35 - Reqd. 60' 18" C.M.P. Cross Culvert - Skew 60° Rt.
Excav. for Outlet Ditch
120 Cu. Yds.

Sta 423+70 to 428+10 - Req'd.
50 Cu. Yds. Excav. for Ditch Change on Right.

Sta 431+50 to 434+35 - Reqd.
120 Cu. Yds. Excav. for Ditch Change on Left

Sta 432+68 - Reqd. 18" C.M.P. Emb for Road Xing
113 Cu. Yds.

P.O.T. 432+68.1

Sta 432+68 - Reqd. 18" x 26' C.M.P. Side Drain on Left
Also 27 Cu. Yds. Emb. for Approach

Sta 432+40 to 435+65 - Reqd.
75 Cu. Yds. Embank. for Ditch Change on Right.

Sta 439+47 - Reqd. 18" C.M.P. Cross Culvert - Skew 60° Rt.

P.O.T. 439+21.5
Sta 439+47 - Reqd. 18" C.M.P. Cross Culvert & 25 Cu. Yds. Excav. for Ditches.

CLEARING & GRUBBING:
Sta. 420+00 to 422+00 - Swamp.

DITCH CHANGE

IRRIG. DITCH

Sta 410+00 - End of Road

+1.85%

-3.80%

+1.00%

-1.80%

600' V.C.

400' V.C.

200' V.C.

F.L. 48.4

F.L. 45.8

F.L. 46.78

F.L. 46.30

F.L. 16.4

F.L. 16.50

F.L. 17.10

F.L. 21.0

6520
6510
6500
6490
6480
6470
6460
6450
6440

410
415
420
425
430
435
440

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	269-D	39	

T. 37 N. - R. 16 W.

S.W. 1/4, SEC. 18

N.E. 1/4, SEC. 19

S.E. 1/4, SEC. 18

SECTION LINE

P.O.T. 439+21.5

P.O.T. 441+14.2

P.O.T. 454+24.8

P.O.T. 462+44.5

P.O.T. 464+27.0

Sta 447+00 (13.5°) - Reqd. 18" C.M. Siphon. Skew 60° Rt. Also 110 Cu. Yds. Embank. for outlet Ditch.

Sta 451+00 - Reqd. 24" C.M. Cross Culv.

STA 453+00 to 457+00 360 of 6" Perforated drain P.V.C.

Sta 457+00 - Reqd. 36"x18" C.M.P. Cross Culv.

STA 469+00 - Reqd. 24" C.M.P. Cross Culv. & 5 Cu. Yds. Excav. for Ditches.

IRRIGATION DITCH

DITCH

N. 16° 21' W.

-1737.0' to Sec. Corner

STA 447+25 - 24" X 77' C.M. Siphon H: 5.0 S. 34° W. 60.0' R.

CLEARING & GRUBBING:
Sta 447+33 to 452+00 - Heavy Sage Brush.
Sta 453+25 to 455+75 - Heavy Cedar & Piñon Trees.
Sta 457+00 to 459+00 - Swamp.
Sta 460+50 to 469+50 - Heavy Cedar, Piñon, & Sage Brush.
Sta 469+50 to 471+25 - Swamp.

PLATE I - TITLE-PROFILE U. S. B. P. R. STANDARD

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	40	

T. 37 N. - R. 16 W.

S.W. 1/4, Sec. 18

N.W. 1/4, Sec. 18

S.E. 1/4, Sec. 18

N.E. 1/4, Sec. 18

1/4 LINE

P.O.T. 474 + 95.5

P.O.T. 495 + 73.5

Sta 477+15 - 18"x36' C.M.P. Culvert

Sta 478+50 - Reqd. 36"x60' C.M.P. Cross Culv. & 15' Conc. Excav. for Ditches.

Sta 481+00 - 18" x 34' C.M.P. Culvert on Left.

Sta 486+25 to 490+90 - Reqd. 160 cu. Yds. Excav. for Ditch change on Left.

Sta 490+50 - 5'6 Conc. Box Culv. on Left

Sta 491+00 - Reqd. 18" C.M.P. Cross Culv. - Skew 160°

Sta 494+00 - Reqd. 24"x36' C.M.P. Cross Culv. & 15' Conc. Excav. for outlet.

DITCH CHANGE

IRRIG. DITCH

N. 16° 21' W.

60 — 60 — 470 — 475 — 480 — 485 — 490 — 495 — 500 — 60 — 60

CLEARING & GRUBBING:
Sta 471+50 to 474+50 - Heavy Piñon, Cedar, & Sage Brush.
Sta 478+50 to 481+00 - Swamp.

6600 6590 6580 6570 6560 6550 6540 6530

700' V.C.

2.20%

F.L. 51.2

F.L. 78.8

F.L. 90.

+2.37 3.70

1566

4550

3234

1741

24521

498

470 475 480 485 490 495 500

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	41	

T. 37 N. - R. 16 W.

P.O.T. 502+50

Telephone Line

Sta. 502+80 - Reqd. 1800 Cu. Yds. Emb. for Road Approach on Lt. & Rt. - Also 197 Lin. Ft. CMP Side Drain on Lt. & 18" CMP Side Drain on Rt.

Sta. 509+00 - Reqd. 1800 Cu. Yds. Emb. for Road Approach on Lt. & Rt. - Also 197 Lin. Ft. CMP Side Drain on Lt. & 18" CMP Side Drain on Rt.

Sta. 509+00 - Reqd. 1800 Cu. Yds. Emb. for Road Approach on Lt. & Rt. - Also 197 Lin. Ft. CMP Side Drain on Lt. & 18" CMP Side Drain on Rt.

Sta. 513+50 - Reqd. 200 Cu. Yds. Embank. for New Dike & Reservoir on Left.

Sta. 518+75 - Reqd. 200 Cu. Yds. Embank. for New Dike & Reservoir on Left.

Sta. 514+50 - Reqd. 300 Cu. Yds. Embank. for New Dike & Reservoir on Left.

P.O.T. 518+52.1

Sta. 519+00 - Reqd. Flume as per Details, on Sheets Nos. 9-11. Also 500 Cu. Yds. Excavation for Inlet & Outlet Channels.

P.O.T. 528+66.0

P.O.T. 525+79.5

Sta. 526+00 - Reqd. 1800 Cu. Yds. CMP Cross Drain - 2-48" CMP's - Excav. for Ditches.

N. 16° 21' W.

S.W. 1/4, SEC. 7

Sta. 523+25 - Reqd. 300 Cu. Yds. Embank. for New Dike and Reservoir on Right.

CLEARING & GRUBBING:
Sta. 517+50 to 528+50 - Medium Piñon & Cedar Trees.

N.W. 1/4, SEC. 18

N.W. 1/4, SEC. 7

1/4 LINE

RESERVOIR

RES.

CANAL

PROP.

-0.362 %

+2.00 %

-6.00 %

F.L. 20.1

F.L. 80.4

400' V.C.

600' V.C.

6650

6640

6630

6620

6610

6600

6590

6580

6570

6560

6550

500

505

510

515

520

525

530

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	42	

T. 37 N. - R. 16 W.

R. 17 W.

RANGE LINE

R. 16 W.

S.W. 1/4, SEC. 7

S.E. 1/4, SEC. 1

P.O.T. 532+97.6

Sta. 535+00 - Reset 36" C.M.P. Cross Culv.

Sta. 543+00 - Reset 36" C.M.P. Cross Culv. & 5 Cu. Yds. Excav. for Outlet

P.O.T. 548+15.5

Sta. 551+00 - Reset 36" C.M.P. Cross Culv. & 10 Cu. Yds. Excav. for Ditches

P.O.T. 557+73.0

N. 16° 21' W.

CLEARING & GRUBBING:
Sta. 530+35 to 533+00 - Sage Brush.
Sta. 534+00 to 545+00 - Swamp.

N.W. 1/4, SEC. 7

SECTION LINE

S.W. 1/4, SEC. 6

1/4 LINE

600' V.C.

480' V.C.

+10.20 %

-3.22 %

FL. 47.8

FL. 45.6

FL. 48.1

56R79

36"C.M.P.

32 Ft.

6590
6580
6570
6560
6550
6540
6530
6520

530 535 540 545 550 555 560

PLATE I - PLAN-PROFILE

FINAL CONSTRUCTION SHEET

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	269-D	43	

Revised 10-3-36 F.F.S.

T. 37 N. - R. 17 W.
S.E. 1/4, SEC. 1

T. 37 N. - R. 16 W.
S.W. 1/4, SEC. 6

N.E. 1/4, SEC. 1

SECTION LINE

STA. 563+60 - Prod. 1855 C.M.P. Cross Culv. & 60 Cu. Yds. Excav. for Ditches.

STA. 566+80 - Prod. 1872 C.M. Siphon (H=2.5') Skew 70° Lt.

STA. 569+60 - 8' x 6' C.M.P. Side Drain on Lt. Fill & 177 Cu. Yds. Emb. for Road & Approach

STA. 572+00 - Prod. 1876 C.M. Siphon (H=7.0 Max.-8.0') Skew 70° Lt.

P.O.T. 572+16.6

STA. 576+20 - Prod. 48"x80' C.M.P. Cross Culv. - Skew 60° Rt. - Also 200 Cu. Yds. Excav. for Outlet - NO FED. AID

STA. 577+50 = END OF PROJ.

P.O.T. 585+75.5

P.O.T. 590+18.5

SIDE ROAD

PRESENT ROAD

CHANGE LINE

N. 16° 21' W.

ARROYA

IRRIGATION DITCH

DITCH CHANGE

APPROACH TO PROJECT

1/4 LINE

Widened Cut Sta. 563+00 to 576+00

Elevations: 6550, 6560, 6570, 6580, 6590, 6600, 6610, 6620, 6630, 6640

Stations: 560, 565, 570, 575, 580, 585, 590

Vertical Curves: 400' V.C., 500' V.C., 600' V.C., 300' V.C.

Grades: -3.00%, -5.90%

Elevations: FL. 644.4, FL. 647.2, FL. 644.1, FL. 777.6, FL. 655.9, FL. 622.8, FL. 631.90

Rivers: 1589, 1589, 400, 2690, 2890, 275

Pipe: 1836.2

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Right of Way Plans
Title Sheet

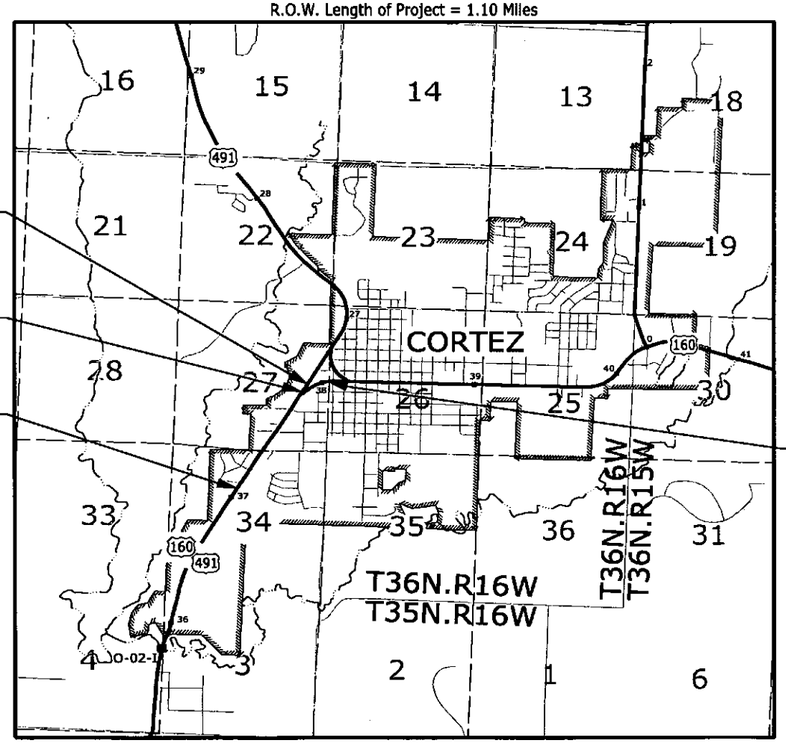
Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	1.01 of 1.01	1.01

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

RIGHT OF WAY PLANS
FOR U.S. HIGHWAY 160 AND U.S. HIGHWAY 491
BEING A DEPENDENT RESURVEY OF A PORTION OF
THE ORIGINAL RIGHT OF WAY LINES AS ESTABLISHED
UNDER FEDERAL AID PROJECTS NO. F 023-1(5) and NO. 269-D
in Sections 26, 27, and 34, T. 36 N., R. 16 W., N.M.P.M.
MONTEZUMA COUNTY

R.O.W. Length of Project = 1.10 Miles



PROJECT LOCATION MAP

0 0.5 1.0 2.0
1" = 1 Mile
Linear Units = U.S. Survey Feet

N

SHEET NO.	INDEX OF SHEETS
1.01	(1) Title Sheet
2.01-2.0X	(NA) Tabulation of Properties
3.01-3.02	(2) Project Control Diagram
4.01-4.04	(4) Land Survey Control Diagram
5.01	(1) Monumentation Sheets
6.01-6.0X	(NA) Tabulation of Road Approach Sheets
7.01-7.04	(4) Plan Sheets
	(12) Total Sheets

Scales of Original 11x17 Drawings
Plan Sheets 1"=100'

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N30°55'32"E from CM-MP 36.78 to CM-MP 37.04. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

1. This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.

2. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SECTION CORNER
QUARTER, SIXTEENTH, AND SECTION CORNERS
SET EASEMENT MONUMENT
TEMPORARY EASEMENT POINT
RIGHT OF WAY MARKER
BLM MARKER
PROPERTY PIN
NOAA MARKER
QUARTER, SIXTEENTH, AND SECTION CORNERS
FEDERAL MONUMENT
WITNESS CORNER
BENCH MARK
USGS MARKER
LOCAL OR PLSS MONUMENT
SECONDARY CONTROL MONUMENT
RIGHT OF WAY MARKER
N 9.88 E 3.81 EL 0.00 — PROJECT CONTROL MONUMENT
N 10.13 E 3.81 EL 0.00 — DENSIFICATION CONTROL MONUMENT
N 10.38 E 3.81 EL 0.00 — HIGH ACCURACY REFERENCE NETWORK CONTROL MONUMENT

PERMANENT, PROPERTY, SLOPE, & UTILITY EASEMENT LINE
TEMPORARY EASEMENT LINE (EXISTING)
PROPERTY BOUNDARY LINE (EXISTING AND PROPOSED)
ACCESS CONTROL LINE
BARRIER ACCESS CONTROL LINE
RIGHT OF WAY LINE
VIRGIN RIGHT OF WAY LINE (PROPOSED)
CITY LIMIT LINE (EXISTING)
COUNTY LINE (EXISTING)
QUARTER SECTION LINE
SECTION LINE
SIXTEENTH SECTION LINE
STATE LINE (EXISTING)
TOWNSHIP LINE (EXISTING)

SURVEY/ROW

TOP OF CUT
TOE OF FILL

TERRAIN

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2012. Existing features are shown as screened weight (gray scale), except as noted with the word (existing). Proposed or new features are shown as full weight without screening, except as noted with the word (proposed).

SURVEYOR STATEMENT (ROW PLAN)

I, David A. Seiler, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 27274

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Project Control Diagram			
Title Sheet & Coordinate Tables			
Project Number: NH 1601-062			
Project Location: U.S. 160 at U.S. 491			
W. Main Street and S. Broadway in Cortez			
Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	3.01 of 3.02	3.01

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

PROJECT CONTROL DIAGRAM

U.S. Highway 160 MP 38.78 to 38.04 and
U.S. Highway 491 MP 26.48 to 26.56
Sections 27 & 34
Township 36 North, Range 16 West
of the New Mexico Principal Meridian
County of MONTEZUMA

SHEET NO. INDEX OF SHEETS

3.01 (1) Title Sheet & Coordinate Tables
3.02 (1) Plan Sheet
(2) Total Sheets

POINT NAME	Geodetic Coordinates NAD-83(2007)		ELLIP.	POINT NAME	NAD 83(2007) ZONE 0503		POINT NAME	Project Coordinates		Differential	POINT NAME	MILE POST
	LATITUDE(N)	LONGITUDE(W)	(NAVD88)m		Northing (m)	Easting (m)		Northing (ft)	Easting (ft)	ELEV (ft)		
2648	37° 20' 54.85900"	108° 35' 35.17679"	1868.182	**2648**	384925.831	640212.093	**2648**	278931.02	132535.00	6193.46	**2648**	**26.48 US 491**
2656	37° 20' 59.68850"	108° 35' 33.09623"	1867.891	**2656**	385072.940	640268.199	**2656**	279413.80	132719.13	6192.50	**2656**	**26.56 US 491**
3678	37° 20' 02.25654"	108° 36' 14.08952"	1837.300	**3678**	383336.841	639201.037	**3678**	273716.20	129216.88	6092.22	**3678**	***36.78 US 160/491**
3704	37° 20' 13.96146"	108° 36' 05.95649"	1847.393	**3704**	383690.837	639413.113	**3704**	274877.96	129912.88	6125.32	**3704**	**37.04 US 160/491**
3711	37° 20' 17.25857"	108° 36' 02.10306"	1850.123	**3711**	383789.277	639511.288	**3711**	275201.02	130235.07	6134.27	**3711**	**37.11 US 160/491**
3728	37° 20' 25.33588"	108° 35' 57.69986"	1850.965	**3728**	384034.553	639627.874	**3728**	276005.98	130617.69	6137.02	**3728**	**37.28 US 160/491**
3743	37° 20' 31.34016"	108° 35' 52.11284"	1851.376	**3743**	384214.993	639771.456	**3743**	276598.16	131088.90	6138.36	**3743**	**37.43 US 160/491**
3770	37° 20' 43.62828"	108° 35' 44.29481"	1861.637	**3770**	384587.229	639976.334	**3770**	277819.78	131761.28	6172.00	**3770**	**37.70 US 160/491**
~~***3782**~~	37° 20' 51.19953"	108° 35' 38.33492"	1867.426	~~***3782**~~	384815.651	640130.672	~~***3782**~~	278569.42	132267.80	6190.98	~~***3782**~~	****37.82 (Disturbed)**
3804	37° 20' 55.20611"	108° 35' 26.62878"	1868.800	**3804**	384929.563	640422.712	**3804**	278943.27	133226.22	6195.48	**3804**	**38.04 US 160**
CEZC	37° 18' 05.71208"	108° 37' 40.75022"	1785.018	**CEZC**	379909.370	637133.127	**CEZC**					
U397	37° 20' 53.13260"	108° 29' 54.74020"	1897.255	**U397**	384691.719	648769.122	**U397**					

* Note: Control Monument 3678 is a 3 1/4" dia. aluminum control monument cap (as shown) grouted in sandstone

** Note: Control Monument 3782 was found disturbed October 2013

COORDINATE INFORMATION
Geodetic coordinates NAD 83 were derived from GPS observations tied to HARN stations CE2C (monumented with a stainless steel rod in an aluminum access cover) and U397 (standard benchmark disk in rock outcrop) all NGS monuments. State Plane Coordinates are Colorado South Zone (NAD 83). Project Coordinates are modified State Plane Coordinates in U.S. Survey Feet.

To convert the Project Coordinates to State Plane Coordinates;
Convert the Project Coordinate to meters, add the Northing or Easting Reduction, then subtract the "Seed Point" from the northing or easting, divide by the Ground Scale Factor, then finally add the "Seed Point" to the northing or easting.

PROJECT COORDINATE SUMMARY
Project Latitude: 37°20'25.33588"N
Project Longitude: 108°35'57.69986"W
Project Ellipsoid Height: 1850.965m
Project Elevation:
Coordinate System: US State Plane 1983(at ground)
Coordinate Zone: Colorado South 0503
Coordinate Datum: NAD 1983 (Conus)
Ground Scale Factor: 1.0003075568
Northing Reduction: 300000.000
Easting Reduction: 600000.000
Seed Point Northing: 84126.792
Seed Point Easting: 39812.351

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N30°55'32"E from CM-MP 36.78 to CM-MP 37.04. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey base on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on Bench Mark Q397, PID: HM0425 (stainless steel rod in PVC pipe with standard aluminum NGS hinged access cover) a NAVD 88 elevation of 6179.68ft. Q397 is a First order Class II benchmark.

General Notes:

1. This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
2. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.
3. Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2012 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.
4. For a complete listing of symbolgy used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2012.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.



Typical Control Monument Cap
Not to Scale

▲ CM-MP - Control Point Monuments set by CDOT. They are CDOT Type 2 monuments, a 3 1/4" dia. aluminum control monument cap (as shown) on a 3' x¾" dia. aluminum finned rod.
*except CM-MP #3678, which is a 3 1/4" dia. aluminum control monument cap (as shown) grouted in sandstone

SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, David A. Seiler, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 27274

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX

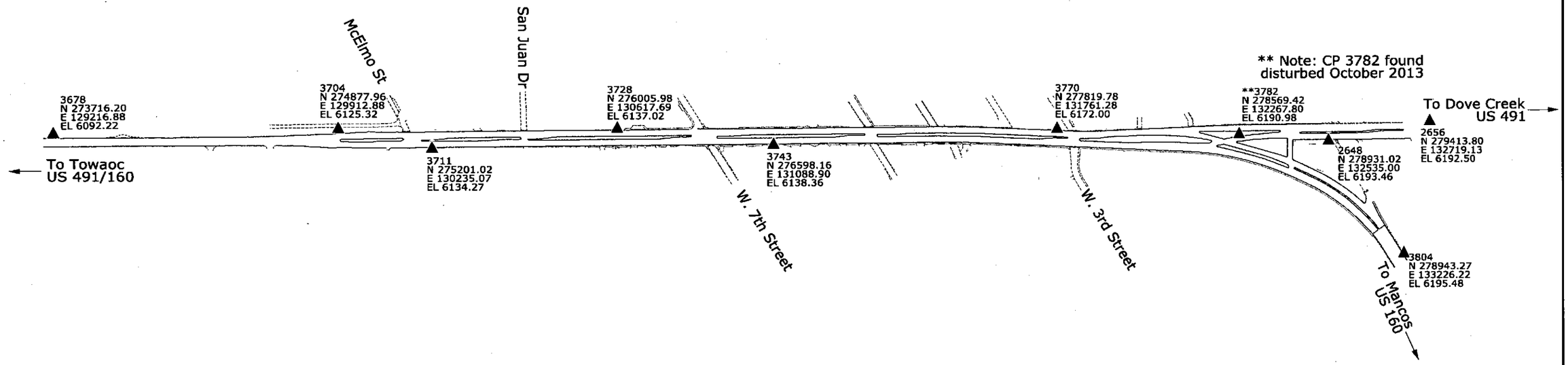
Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX

Project Control Diagram
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	3.02 of 3.02	3.02

0' 250' 500' 1000'
1" = 500'



Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

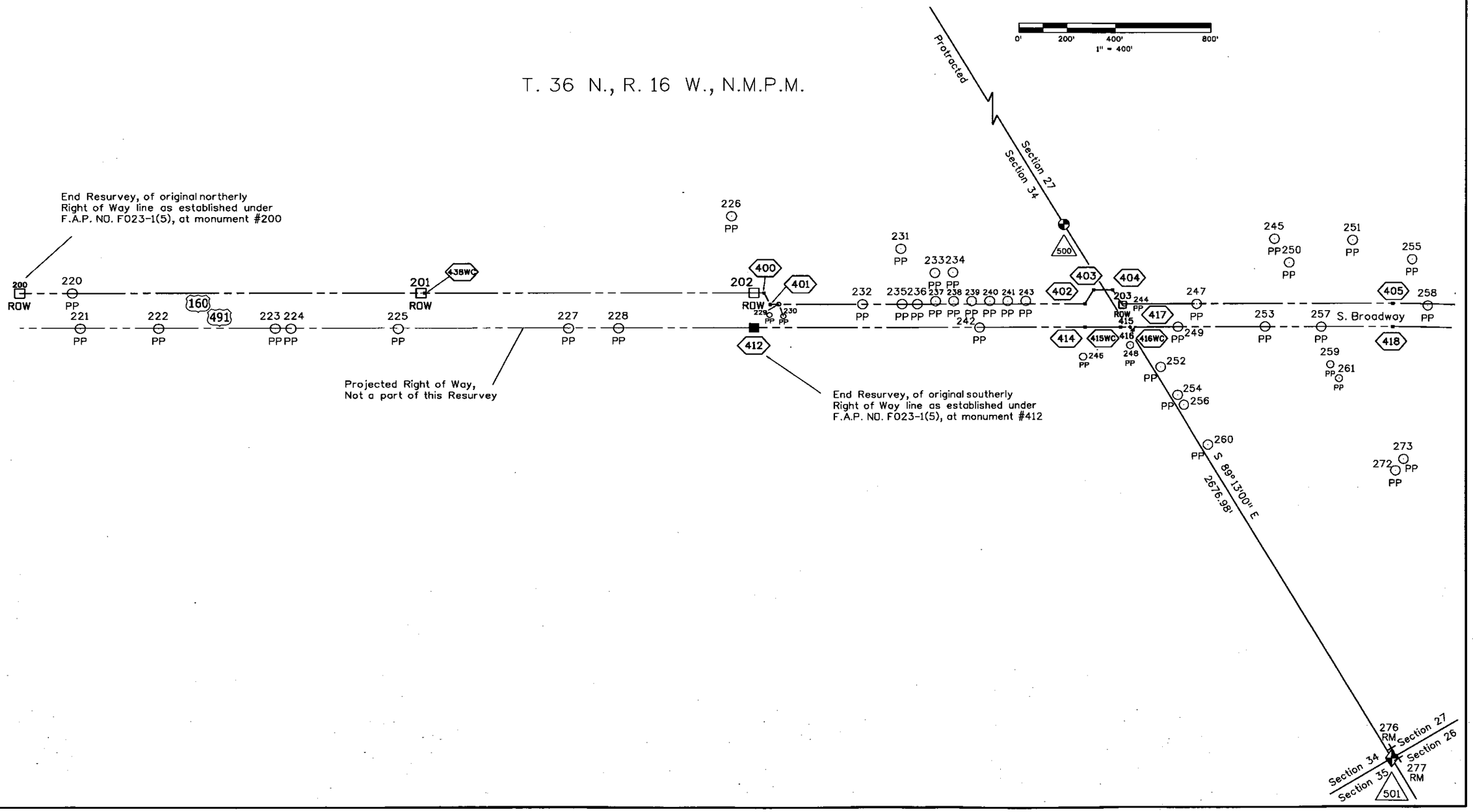
Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Land Survey Control Diagram
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	4.01 of 4.04	4.01



Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Land Survey Control Diagram
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	4.02 of 4.04	4.02

0' 200' 400' 800'
1" = 400'

T. 36 N., R. 16 W., N.M.P.M.

Protracted

End Resurvey, of original northerly Right of Way line as established under F.A.P. NO. 269-D, at monument #207

End Resurvey, of original southerly Right of Way line as established under F.A.P. NO. 269-D, at monument #437

Projected Right of Way, Not a part of this Resurvey

S. Broadway

N. Broadway

W. Main

Section 27
Section 26
Section 34
Section 35
Section 25

N 0° 56'56" E
2638.19'

S 89° 01'31" E
5323.86'

250 PP
251 PP
255 PP
257 PP
258
259 PP
261 PP
262 263 PP PP
264
265 267 PP PP
266 268 PP PP
269 PP
270 PP
271 PP
272 PP
273 PP
274 PP
275 PP
276 RM
277 RM
278 PP
279 PP
280 PP
281 PP
204 ROW
205 ROW
206 ROW
207 ROW
208 ROW

405 406 407 408 409WC 410WC 411WC 418 419 420 421 422 423 424 425 426 427 428WC 429 430 431 432 433 434 435 436 437 439WC 440 491 600 160 501 502 503

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Land Survey Control Diagram
Monument Coordinate Tables

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	4.03 of 4.04	4.03

XXX

FOUND ALIQUOT MONUMENT COORDINATE TABLE

Point No.	Northing(ft)	Easting(ft)	Description
500	276352.15	130423.80	3.25" Aluminum Cap marked "MANESS COLO LS 19612 1996 S 1/4 SEC 34"
501	276315.54	133100.53	PK Nail, PK Nail Position coincides with Reference Monuments 276 and 277
502	278953.37	133144.22	3.25" Aluminum Cap MANESS COLO LS 19612 T36N R16W 1996
503	278862.80	138467.33	3.25" Aluminum Cap IN MONUMENT BOX T36N R16W NMPM 1/4 26-25 LS 23498 Partially Illegible
276	276337.36	133062.68	3.25" Aluminum Cap MANESS COLO LS 19612 T36N R16W RM 43.5' 200 (Reference Monument)
277	276340.15	133115.65	3.25" Aluminum Cap MANESS COLO LS 19612 T36N R16W RM 28.8' 200 (Reference Monument)

ROW

FOUND R.O.W. MONUMENT COORDINATE TABLE

Point No.	Northing(ft)	Easting(ft)	Description
200	272615.63	128474.58	Original CDOH R/W marker, a deteriorating concrete post, 6" in diameter with a bronze cap, 3.25" in diameter marked "COLO. DEPT. OF HIGHWAYS FO23-1(5) STA. 118+93.2 EL. 6037.34 R.O.W. MARKER", +/- 0.6' above grade
201	273972.28	129307.41	Remains of original CDOH R/W marker post, a concrete post 6.5" in diameter with #5 rebar loop, no cap, 0.5' below grade
202	275109.83	130005.75	Original CDOH R/W marker, a concrete post, 6" in diameter with a bronze cap, 3.25" in diameter marked "COLO. DEPT. OF HIGHWAYS F023-1 (5) STA. 89+64.5 Right , EL 6133.71 R.O.W. MARKER", leaning, +/- 1' above grade
203	276375.75	130841.56	Original CDOH R/W marker, a concrete post, 6" in diameter with a bronze cap, 3.25" in diameter marked "COLO. DEPT. OF HIGHWAYS F023-1 (5) STA. 74+46.5, EL. 6133.06 R.O.W. MARKER", at grade
204	278245.21	132009.60	Remains of original CDOH R/W marker, a concrete post 7" in diameter with #5 rebar loop, no cap, 0.6' below grade
205	278255.32	131992.75	Remains of original CDOH R/W marker, a concrete post 7" in diameter with #5 rebar loop, no cap, 0.7' below grade
206	278925.90	132403.47	Remains of original CDOH R/W marker, a concrete post 7" in diameter with #5 rebar loop, no cap, below grade
207	280224.62	133198.91	Remains of original CDOH R/W marker, a concrete post 6.5" in diameter with #5 rebar loop, no cap, 0.5' below grade
208	278295.56	132208.82	Original CDOH R/W marker, a concrete post, 6" in diameter with a bronze cap, 3.25" in diameter marked "COLO. DEPT. OF HIGHWAYS F023-1 (5) STA. 50+99.2 EL. 6186.07 R.O.W. MARKER " +/- 1.2' above grade

Note: Original record CDOH R/W markers (ca.1958) were a concrete post +/- 3-1/2' long, a 10" diameter base and 6" in diameter top, with a 3.25" bronze tablet attached to top, being reinforced by a 1/2" rebar loop from base to top looped through the underside of the bronze cap. Note abbreviations; CDOH (Colorado Department of Highways), R/W (Right of Way)

PP

FOUND LOCAL MONUMENT COORDINATE TABLE

Point No.	Northing(ft)	Easting(ft)	Description
220	272792.93	128583.41	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS
221	272740.09	128729.64	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS
222	273004.21	128891.81	PK nail with washer marked LS # 1??12
223	273398.36	129133.78	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS
224	273451.30	129166.60	5/8" diameter rebar with tag, illegible
225	273814.08	129390.56	1/2" diameter rebar no cap no tag
226	275205.48	129676.04	1/2" diameter rebar no cap no tag
227	274393.36	129744.74	1/2" diameter aluminum cap THOMAS PE LS 6728, 0.2' above grade
228	274563.90	129848.80	1/2" diameter aluminum cap ROUNDTREE NW COR 1977 PELS 9185 0.2' above grade
229	275169.93	130098.55	60d nail at grade, porcelain rod, 3/8" diameter, 3' high alongside
230	275170.50	130100.69	1/2" diameter rebar 1.0' below grade leaning easterly with 1/2" diameter rebar, 3' high alongside
231	275722.07	130158.84	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS
232	275463.45	130280.35	5/8" diameter rebar no cap no tag
233	275786.40	130320.74	1" diameter yellow cap RLS 19612
234	275851.28	130358.34	1" diameter yellow plastic cap LS 19612 MANESS fiberglass rod alongside
235	275601.56	130364.92	5/8" diameter rebar no cap no tag
236	275654.88	130397.95	5/8" diameter rebar yellow plastic cap illegible at grade
237	275725.25	130426.26	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS 0.1' below grade

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Land Survey Control Diagram
Monument Coordinate Tables
Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	4.04 of 4.04	4.04

PP

FOUND LOCAL MONUMENT COORDINATE TABLE - Continued

Point No.	Northing(ft)	Easting(ft)	Description
238	275789.02	130465.42	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS 0.1' above grade
239	275853.07	130504.82	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS 0.1' below grade
240	275916.97	130544.05	1/2" diameter rebar no cap no tag 0.1' above grade
241	275980.73	130583.34	1/2" diameter rebar with 1" diameter yellow plastic cap marked LS 19612 MANESS DIST? at grade
242	275821.46	130619.97	1" diameter plastic cap RLS 6728 0.2' below grade
243	276044.86	130622.62	1/2" diameter rebar with 1" diameter yellow plastic cap LS 19612 MANESS
244	276386.90	130847.51	1" diameter plastic cap LS 17490 at grade
245	277068.02	130938.40	1-1/2" diameter aluminum cap marked 3FT WC SW10 THOMAS PE LS 6728
246	276121.72	130952.81	1" diameter yellow plastic cap MANESS 19612
247	276644.46	131007.28	5/8" aluminum cap diameter on 1/2" smooth rod 0.2' above grade
248	276313.98	131012.29	1/2" diameter rebar with part of plastic cap
249	276524.45	131049.31	1" diameter yellow plastic cap MANESS LS19612, 0.1' above grade
250	277067.05	131058.48	1/2" diameter rebar no cap no tag
251	277342.63	131113.91	1/2" diameter rebar no cap illegible tag wired to rebar
252	276372.80	131159.39	1" diameter yellow plastic cap LS 19612 MANESS
253	276837.19	131240.81	1" diameter yellow plastic cap MANESS LS 19612 0.2' above grade
254	276369.94	131299.28	1/2" diameter rebar no cap no tag
255	277512.15	131315.56	1-1/4" diameter red plastic cap C0 33190 UT 366504
256	276370.21	131349.54	1/2" diameter rebar with plastic cap - top of cap missing
257	277035.58	131364.34	1" diameter yellow plastic cap LS 19612 MANESS 0.2' below grade
258	277464.14	131521.02	5/8" diameter rebar 0.6' above grade
259	276983.19	131522.54	1" yellow plastic cap illegible on 5/8" diameter rebar
260	276367.56	131549.35	1" diameter yellow plastic cap RLS 6728 on a rebar 1/2" diameter at grade
261	276982.54	131592.55	1" diameter yellow plastic cap illegible
262	277861.32	131609.38	1" diameter yellow plastic cap illegible
263	277900.74	131634.81	1" diameter yellow plastic cap LS 19612 MANESS
264	277741.56	131702.03	5/8" diameter rebar no cap no tag 0.6' below grade
265	277860.32	131773.15	1" diameter yellow plastic cap LS 19612 MANESS
266	277686.98	131786.02	1/2" rebar no cap no tag, 0.2' above grade
267	277899.65	131797.27	1" diameter yellow plastic cap LS19612 MANESS at grade
268	277736.58	131820.60	1/2" diameter rebar 0.2' below grade
269	278019.20	131870.78	1" diameter yellow plastic cap LS 19612 MANESS at grade
270	277733.12	131990.60	1" diameter yellow plastic cap RLS 6728
271	278254.91	131992.16	1/2" diameter rebar with yellow plastic cap LS19612 MANESS
272	276976.19	132054.93	1" diameter yellow plastic cap RLS 6728
273	278412.16	132082.13	PK nail with washer at grade
274	279014.33	132157.09	1/2" diameter rebar no cap no tag set in concrete
275	277728.48	132263.56	1/2" diameter rebar no cap no tag 0.5' below grade
278	280166.38	133164.37	1/2" diameter rebar with broken yellow plastic cap
279	280179.92	133313.37	1" diameter yellow plastic cap LS 19612 MANESS
280	280199.59	133327.84	1" diameter metal pipe
281	278844.72	133647.55	1/2" diameter rebar no cap no tag

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Right of Way Plans
Monumentation Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	5.01 of 5.01	5.01

XXX

TABULATION OF R.O.W. MARKERS TO BE SET

Point No.	Northing(ft)	Easting(ft)	Description (All Standard CDOT Monuments are Aluminum Caps)
400	275144.93	130027.30	Standard CDOT Monument Type I - PLS 27274 - 0.5' below grade
401	275139.99	130082.93	Standard CDOT Monument Type I - PLS 27274 - 0.1' below grade asphalt
402	276247.58	130762.87	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
403	276309.65	130729.58	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
404	276376.72	130770.75	Standard CDOT Monument Type I - PLS 27274 - 0.1' below grade
405	277343.46	131435.62	Standard CDOT Monument Type I on #6 Rebar 18" long - at grade asphalt
406	277724.42	131690.88	Standard CDOT Monument Type I - PLS 27274 - 0.6' below grade
407	277741.56	131702.03	Standard CDOT Monument Type I - PLS 27274 - 0.3' below grade
408	277741.97	131701.37	Standard CDOT Monument Type I - PLS 27274 - 0.3' below grade
412	275031.35	130133.58	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
414	276195.26	130848.09	Standard CDOT Monument Type I - PLS 27274 - at grade asphalt
417	276372.37	130956.82	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
418	277291.14	131520.85	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
419	277665.50	131771.67	Standard CDOT Monument Type I - PLS 27274 - 0.3' below grade
420	277815.60	131874.99	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
421	277813.05	132014.13	Standard CDOT Monument Type I - PLS 27274 - at grade asphalt
422	277883.15	131918.01	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
423	278042.72	132034.38	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
424	278684.69	132619.98	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
425	278737.83	132714.21	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
426	278813.46	132888.60	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
427	278848.85	133067.48	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
428	278854.66	133067.58	Standard CDOT Monument Type I - PLS 27274 - 0.1' below grade
429	278853.38	133142.57	Standard CDOT Monument Type I - PLS 27274 - 18" long, 0.1' below grade
430	278918.32	132893.61	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
431	278908.70	132858.10	Standard CDOT Monument Type I - PLS 27274 - 0.2' below grade
432	278871.62	132759.88	Standard CDOT Monument Type I - PLS 27274 - 0.1' below grade
433	278825.47	132666.06	Standard CDOT Monument Type I - PLS 27274 - 0.1' below grade
434	278771.52	132577.00	Standard CDOT Monument Type I - PLS 27274 - 0.1' below grade
435	278734.40	132525.35	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
436	278777.97	132453.59	Standard CDOT Monument Type I - PLS 27274 - at grade
437	279362.09	132811.35	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete
440	279424.77	132709.02	Standard CDOT Monument Type 5 - PLS 27274 - at grade concrete

XXX

TABULATION OF R.O.W. MARKERS TO BE SET - Witness Corners

Point No.	Northing(ft)	Easting(ft)	Description
409WC	278240.95	132006.99	Standard CDOT Monument Type I - PLS 27274 (5.00' Witness to Point No. 204) - 0.3' below grade
410WC	278259.58	131995.37	Standard CDOT Monument Type I - PLS 27274 (5.00' Witness to Point No. 205) - 0.1' below grade
411WC	278938.69	132411.31	Standard CDOT Monument Type I - PLS 27274 (15.00' Witness to Point No. 206) - 0.3' below grade
415WC	276320.48	130924.96	Standard CDOT Monument Type 5 - PLS 27274 (40.00' Witness to Point No. 415) - at grade concrete
428WC	278854.61	133070.58	Standard CDOT Monument Type I - PLS 27274 (3.00' Witness to Point No.428) - 0.1' below grade asphalt
416WC	276363.23	130961.41	Standard CDOT Monument Type 5 - PLS 27274 (10.00' Witness to Point No. 416) - at grade concrete
438WC	273985.06	129315.26	Standard CDOT Monument Type I - PLS 27274 (15.00' Witness to Point No. 201) - at grade
439WC	280220.35	133196.30	Standard CDOT Monument Type I - PLS 27274 (5.00' Witness to Point No. 207) - 0.3' below grade asphalt

X

TABULATION OF R.O.W. MARKERS "NOT TO BE SET"

Point No.	Northing(ft)	Easting(ft)	Description
415	276354.57	130945.89	True Point to Witness Corner 415WC (no monument)
416	276354.29	130965.89	True Point to Witness Corner 416WC (no monument)
428	278854.66	133067.58	True Point to Witness Corner 428WC (no monument)

TABULATION OF PERMANENT EASEMENT MARKERS TO BE SET

Point No.	Northing(ft)	Easting(ft)	Description
600	278957.62	132894.26	Standard CDOT Monument Type 6 - PLS 27274, an aluminum cap, 2" in diameter on a #5 rebar, 18" long, 0.3' below grade asphalt

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	*MONUMENT TYPE*									
	1	*1A*	*2*	*2A*	*3*	*3A*	*4*	*5*	*5(S)*	*6*
REFERENCE										
ROW	*30*							*11*		
CONTROL										
ALIQUOT CORNER										
PERMANENT EASEMENT										*1*
PROJECT POINTS										
WITNESS POST (REQUIRED)										

General Notes:

1. All centerline and offset stationing may not represent the centerline as constructed in the field.
2. Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2012 found in The Colorado Department of Transportation, M & S Standards for survey monument descriptions.
3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (R.O.W. MONUMENTS)

I, David A. Seiler a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of survey evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan were set under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty,either expressed or implied.

PLS No. 27274

Colorado Department of Transportation
CDOT
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Right of Way Plans
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	7.01 of 7.04	7.01

POB 0+00.00
Alignment F.A.P. 269-D

See Detail "C" this sheet

S 31° 29'12" W
590.14'

271 PP
205
204
410WC
409WC
60.00'

Alignment Federal Aid Project 269-D

273 PP
N 31° 29'12" E
786.36'
(205-206)

Curve: Constructed Alignment
Rc =1432.39'
Δc =23° 38'00"
Lc =590.83'
C =586.65'
CB =N 46° 34'29" E

5+00

Existing Right of Way as established on Colorado Department of Highways Federal Aid Project 269-D

206 ROW
411WC
(15.00')

10+00

N 31° 29'12" E
585.00'
(206-440)

Tie: See Detail "B" this sheet
N 31° 29'12" E
937.95'

440

N 31° 29'12" E

491

60.00'

PI 48+08.08

S 34° 45'29" W

160

N 34° 36'09" E
307.10'

423

208
50.00'
ROW

Projection Alignment Project F 023-1 (5)

Constructed Alignment Project F 023-1 (5)

S 36° 06'02" W

436

N 58° 44'05" W
83.96'

435

S 54° 17'21" W
63.60'

434

N 58° 47'44" E
104.13'

433

N 63° 48'25" E
104.55'

432

N 69° 19'11" E
104.98'

431

S 74° 50'10" W
36.79'

600

S 0° 56'56" W
39.31'

430

N 66° 33'10" E
190.09'

426

N 78° 48'34" E
182.35'

427

428
(3.00')
428WC

N 0° 56'56" E
5.81'
N 89° 01'31" W
75.00'

429

50.00'

N 89° 01'31" W

Curve: Projection Alignment
Δc = 54° 52'27" LT
Ts = 543.80
Dc = 7° 00'00"
Lc = 83.92
Ls = 1400.00
Rc = 818.51
PI 44+46

N 31° 29'12" E
684.97'

Existing Right of Way as established on Colorado Department of Highways Federal Aid Project 269-D
(End Resurvey at monument # 437)

437

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

Curve: Existing R.O.W.
Rc =1382.39'
Δc =23° 38'00"
Lc =570.21'
C =566.18'
CB =N 46° 34'29" E

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

(Constructed Alignment) PC 50+99.23
F 023-1 (5)
(typical)

50+00.00

(Constructed Alignment) PC 45+08.40

45+00.00

(Constructed Alignment) PT 44+43.17
STA 44+00 Projection Alignment F 023-1 (5)

STA 42+00 Projection Alignment F 023-1 (5)

Curve: Constructed Alignment
Rc =554.93'
Δc =32° 35'00"
Lc =315.66'
C =311.47'
CB =N 74° 40'59" E
PI 41+79.20

See Detail "A" this sheet

40+00.00

40+00

Existing Permanent Easement as established on Colorado Department of Highways Project NO. 32-0106-08 and Project F 023-1 (5)
Book 244, Page 70, September 21, 1957
Montezuma County, Colorado

S 89° 01'31" E
250.00'

N 89° 01'31" W
50.00'

S 89° 01'31" E
5323.88'

502

503

501

160

W. Main St.

Maple St.

Section 34
Section 35
Section 27
Section 26

N 0° 56'56" E
2638.19'

(Constructed Alignment) PC 39+18.40

PC 39+00.11

Projection Alignment: POB 37+25.72
Contructed Alignment: POB 37+23.00

T. 36 N., R. 16 W., N.M.P.M.

S 1/2 Section 27

DETAILS

Detail "A"
(not to scale)

426
427
428
428WC
429
(3.00')
N 89° 01'31" W
75.00' (428-429)
N 0° 56'56" E
5.81' (427-428)

Detail "B"
(not to scale)

440
439WC
207 ROW
N 31° 29'12" E
937.95'
(440-207)
(5.00')

Existing Right of Way as established on Colorado Department of Highways Federal Aid Project 269-D
(End Resurvey at monument # 207)

Detail "C"
(not to scale)

205 ROW
410WC
271 PP
206 ROW
411WC
N 31° 29'12" E
786.36'
(5.00') (205-206)
(N 31° 29'12" E, 15.00')
N 59° 02'05" W
19.64'
408
409WC
204 ROW
N 31° 29'12" E
590.14'
(408-204)
(5.00')

0' 50' 100' 200'
1" = 100'

Colorado Department of Transportation
CDOT
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Right of Way Plans
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	7.02 of 7.04	7.02

T. 36 N., R. 16 W., N.M.P.M.

S 1/2 Section 27

0' 50' 100' 200'
1" = 100'

251 PP
255 PP
258 PP
262 PP
263 PP
265 PP
267 PP
269 PP
257 PP
259 PP
261 PP
266 PP
268 PP
270 PP
275 PP

BK 63+46.37 (Construction Alignment)
AH 63+37.86
BK 63+17.59
AH 63+11.00
PT 63+11.00
PT 60+89.96
PI 61+85.78 (Construction Alignment)
PC 58+62.08
(Construction Alignment) PT 63+37.86
(Construction Alignment) PC 60+25.11

60+00
65+00.00
60+00.00
55+00
55+00.00
00+00 (P.O.B. F.A.P. 269-D)

W. 4th St. (South)
W. 4th St. (North)
Canyon Dr.
Sycamore Dr.
W. 5th St.
W. 3rd St.

Curve: Projection Alignment
Δc =4° 33'18"
Tc =227.87'
Lc =455.51'
Rc =5729.58'

Curve:Existing R.O.W.
Rc =5769.58'
Δc =4° 33'18"
Lc =458.69'
C =458.57'
CB =N 33° 49'23" E

Curve:Existing R.O.W.
Rc =5669.58'
Δc =4° 33'18"
Lc =450.74'
C =450.62'
CB =N 33° 49'23" E

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

Existing Right of Way as established on Colorado Department of Highways Federal Aid Project 269-D

See Detail "D" this sheet
See Detail"C" this sheet

Projection Alignment Project F 023-1 (5)
Construction Alignment Project F 023-1 (5)
Projection Alignment Federal Aid Project 269-D

203 ROW
204 ROW
205 ROW
206 ROW
208 ROW
405
406
407
408
409WC
410WC
411WC
417
418
419
420
421
422
423
491
160

N 31° 32'44" E 1135.50'
N 31° 32'44" E 1078.08'
N 31° 29'12" E 590.14' (408-204)
N 31° 29'12" E 786.36'
(5.00') (205-206)
(N 31° 29'12" E, 15.00')
N 59° 02'05" W 19.64'
N 33° 02'22" E 20.45'
N 58° 27'16" W 0.77'
N 34° 32'25" E 182.22'
S 88° 57'11" E 139.16'
N 53° 53'58" W 118.96'
N 36° 06'02" E 197.50'
S 34° 45'29" W
N 34° 36'09" E 307.10'
ST 54+02.32

DETAILS

Detail "C" (not to scale)

Detail "D" (not to scale)

Note: Replace Point #264 with ROW monument #407

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

Right of Way Plans
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	7.03 of 7.04	7.03

0' 50' 100' 200'
1" = 100'

T. 36 N., R. 16 W., N.M.P.M.

S ½ Section 27

Section 27
Section 34

500

W. 7th St

AH 74+47.62 BK 74+46.50

403 N 31° 32'44" E 404

N 28°12'16" W 70.44'

78.70'

S 89°13'00" E 70.82'

203 ROW

241 PP 243 PP 244 PP 245 PP 247 PP 249 PP 250 PP 251 PP 253 PP 257 PP

401 402 405 412 414 415WC 415 416 416WC 417 418

N 31° 32'44" E 1299.64' (401-402)

N 31° 32'44" E 1135.50' (203-405)

N 31° 32'44" E 1365.73' (414-412)

N 31° 32'44" E 186.93'

N 31° 32'44" E 1078.08' (417-418)

160 491

(40.00')

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

Projection Alignment Project F 023-1 (5)

Construction Alignment Project F 023-1 (5)

40.00' 60.00' 100.00'

N 31° 32'44" E

See Detail "E" this sheet

75+00.00

70+00.00

65+00.00

Stratton Dr.

W. 5th St

246 PP 248 PP 252 PP 254 PP 256 PP 259 PP 261 PP

Section 27
Section 34
S 89°13'00" E 2676.98'

276 RM
277 RM
Section 27
Section 26
Section 34
Section 35
501

DETAILS

Detail "E"
1" = 50'

N 26° 37'57" W 20.23'

(40.00')

417 415WC 415 416 416WC

(10.00')

S 89° 13'00" E 20.00'

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

T. 36 N., R. 16 W., N.M.P.M.

N ½ Section 34

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX

Sheet Revisions		
Date	Description	Initials
mm/dd/yy	XXXXXXX	XXX

Right of Way Plans
Plan Sheet

Project Number: NH 1601-062
Project Location: U.S. 160 at U.S. 491
W. Main Street and S. Broadway in Cortez

Project Code:	Last Mod. Date	Subset	Sheet No.
18290	11-12-13	7.04 of 7.04	7.04

T. 36 N., R. 16 W., N.M.P.M.

N ½ Section 34

0' 50' 100' 200'
1" = 100'

231 PP

End Resurvey of existing northerly Right of Way as established on Colorado Department of Highways Project F 023-1 (5) at monument # 200

200 ROW — S 31° 32'44" W 1591.89' — 201 ROW 438WC — S 31° 32'44" W 1334.80' — 202 ROW

(15.00') S 31° 32'44" W 41.19'

McElmo St.

400

N 84° 55'16" W 55.85'

401

229 PP 230 PP

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

232 PP — N 31° 32'44" E 1299.64' (401-402) — 235 PP — 236 PP

San Juan Dr.

233 PP 234 PP 237 PP 238 PP 239 PP 240 PP 241 PP 243 PP

402

160 491

90.00' 40.00' 100.00' 60.00'

Projection Alignment Project F 023-1 (5)
Construction Alignment Project F 023-1 (5)
N 31° 32'44" E

N 31° 32'44" E — 1365.73' (412-414) — 242 PP — 414

412

End Resurvey of existing southerly Right of Way as established on Colorado Department of Highways Project F 023-1 (5) at monument # 412

Projection POE 89+64.00
Construction POE 89+64.00

Existing Right of Way as established on Colorado Department of Highways Project F 023-1 (5)

85+00.00

80+00.00

COLORADO
Department of
Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.

r500001486

Description:
ROW Plans 24X36

Route # and Mile Points:
US 666

Originating Office:

ROW/Survey

File Name:
F.A.P. 269-D_ROW(.PDF)

Box Location:

24 (TUBE-21)of 38

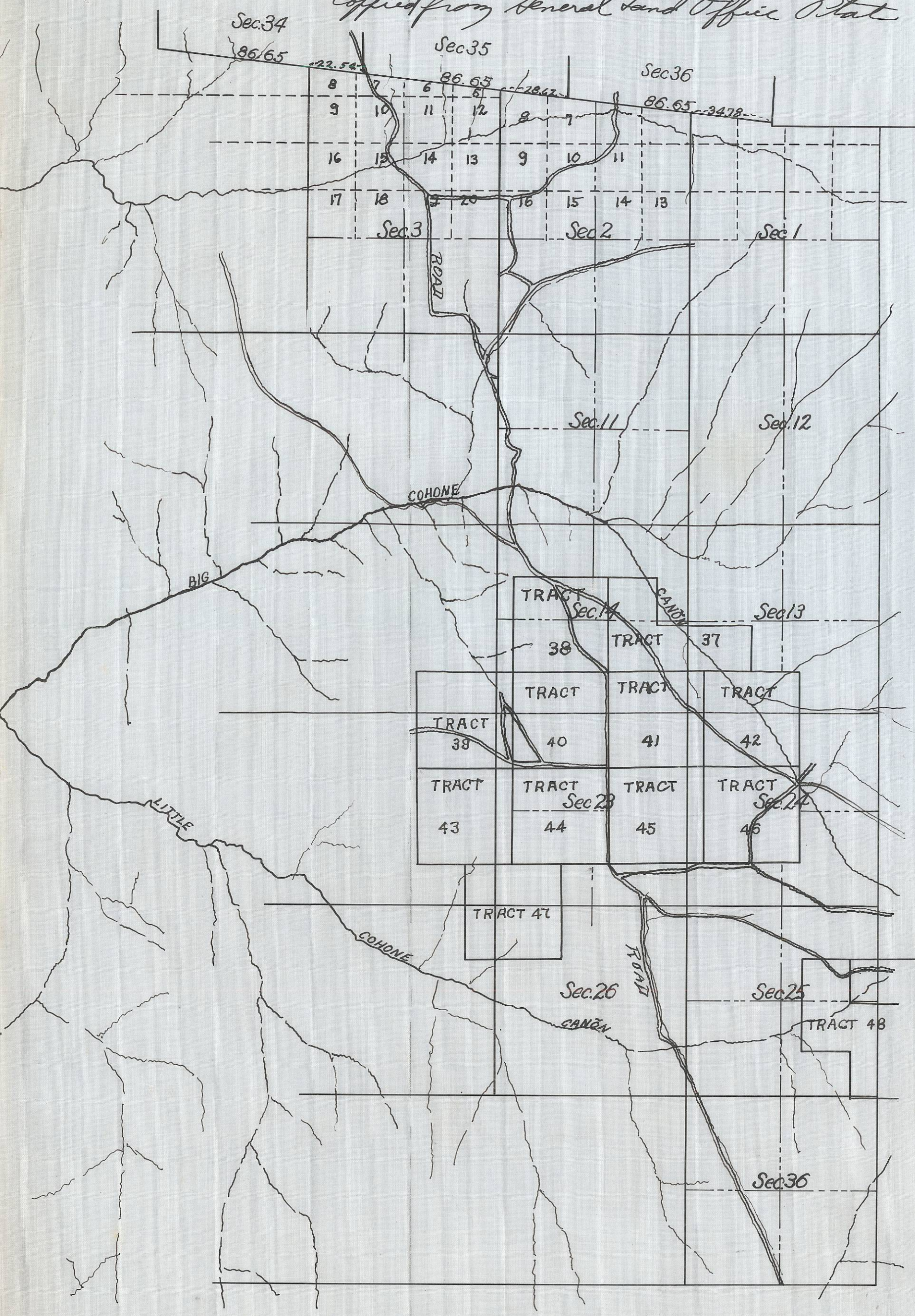
For assistance, or to request changes to this form,
please email helpdesk@msimaging.com.

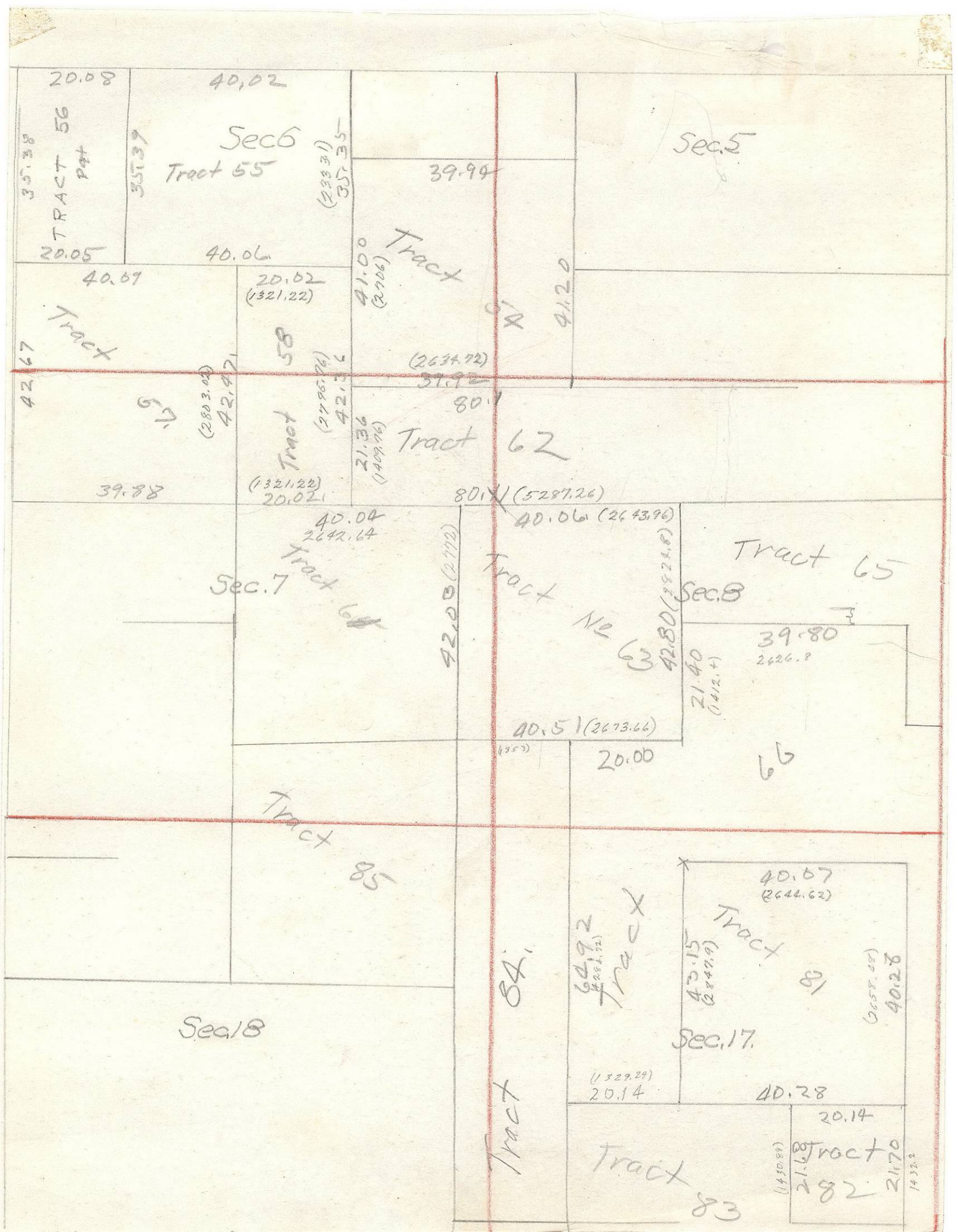
MOUNTAIN STATES IMAGING

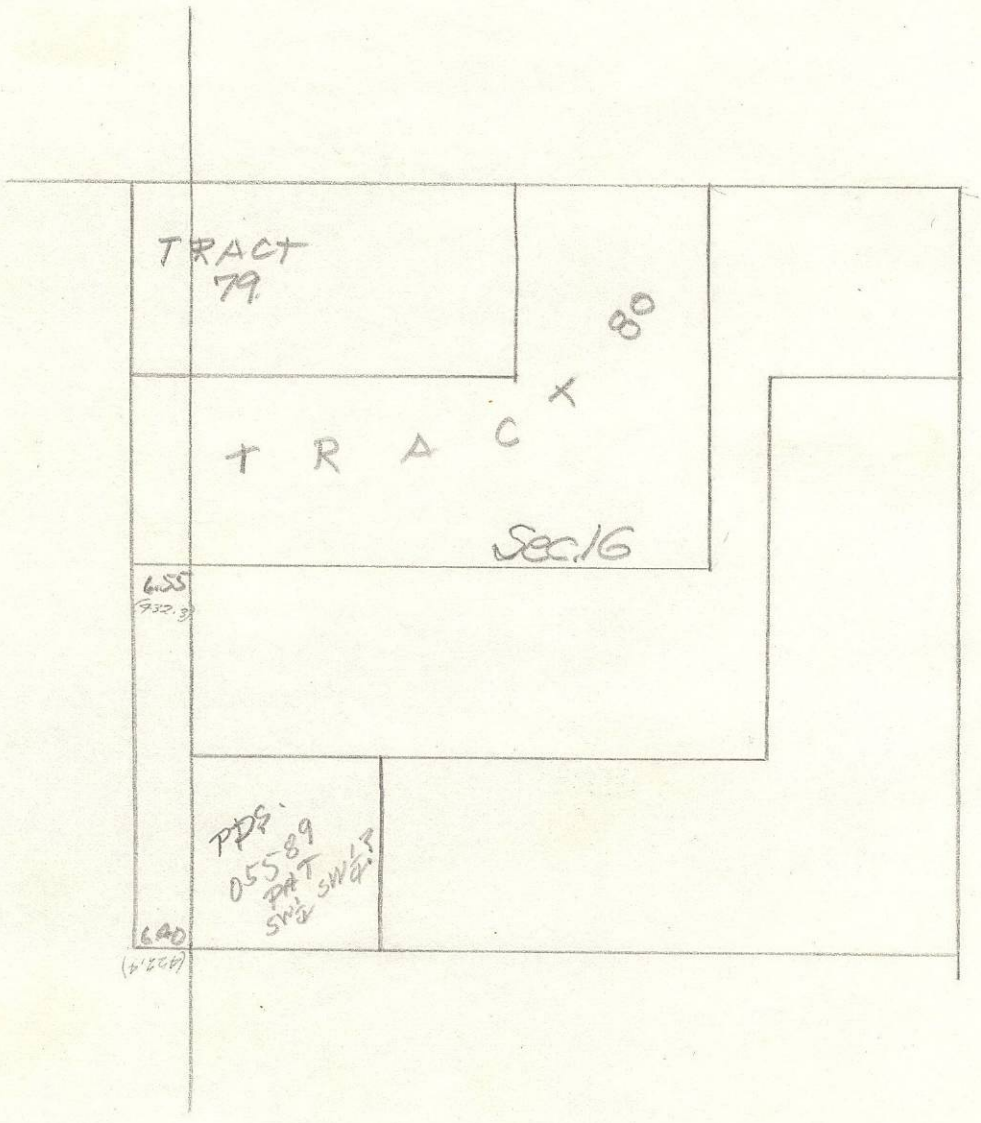
FAP 269-D

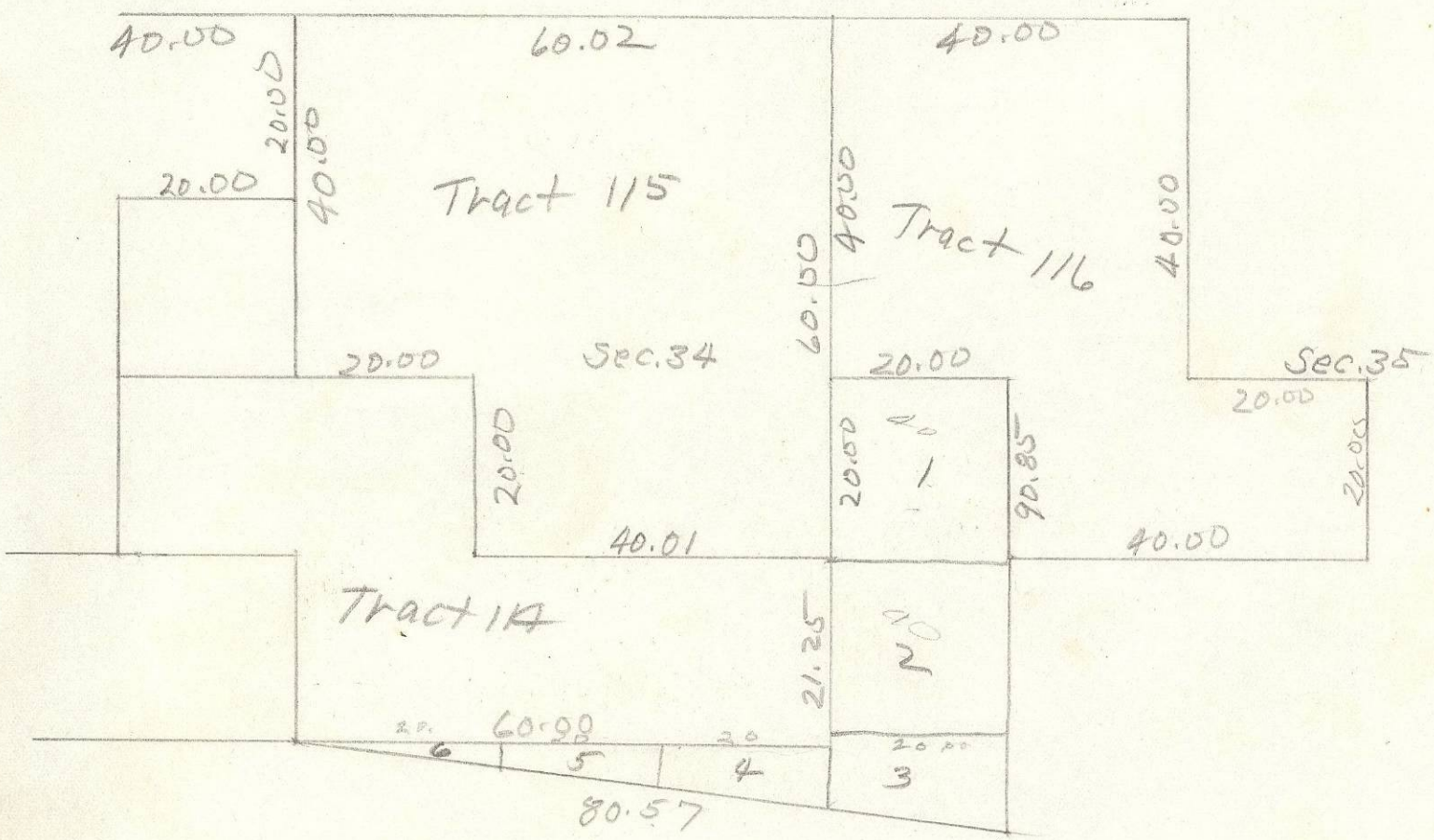
T39N, R18W, N.M.P.M.

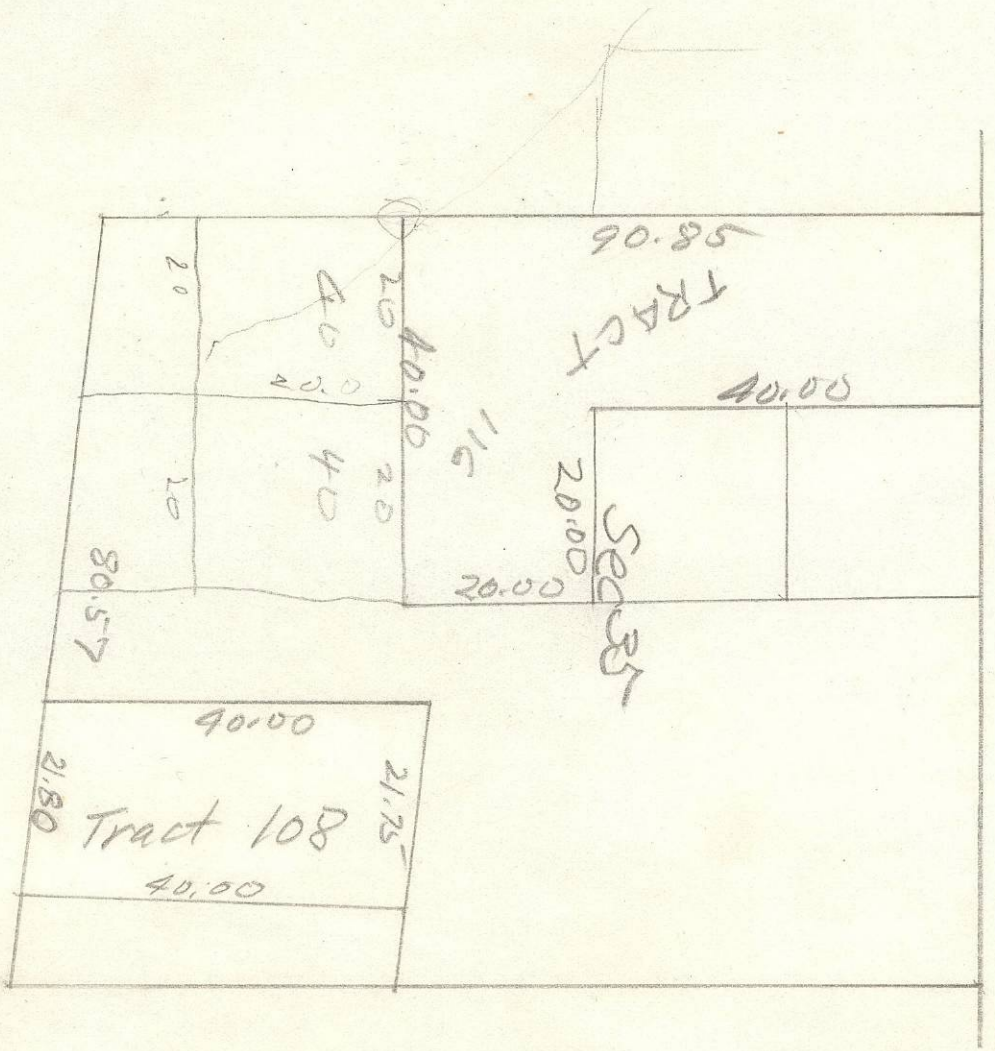
Copied from General Land Office Plat




20.08
40.02
TRACT 56
Sec6
Tract 55
Sec.5
39.99
Tract
40.09
20.02
(1321.22)
Tract
Tract 62
39.88
40.04
2642.64
Tract
Sec.7
Tract
Tract 65
Sec.8
39.80
2626.8
40.06 (2643.96)
40.51 (2673.66)
20.00
Tract
Tract
Sec.18
Tract
Tract
Sec.17.
40.07
(2644.62)
40.28
20.14
Tract
Tract
Tract

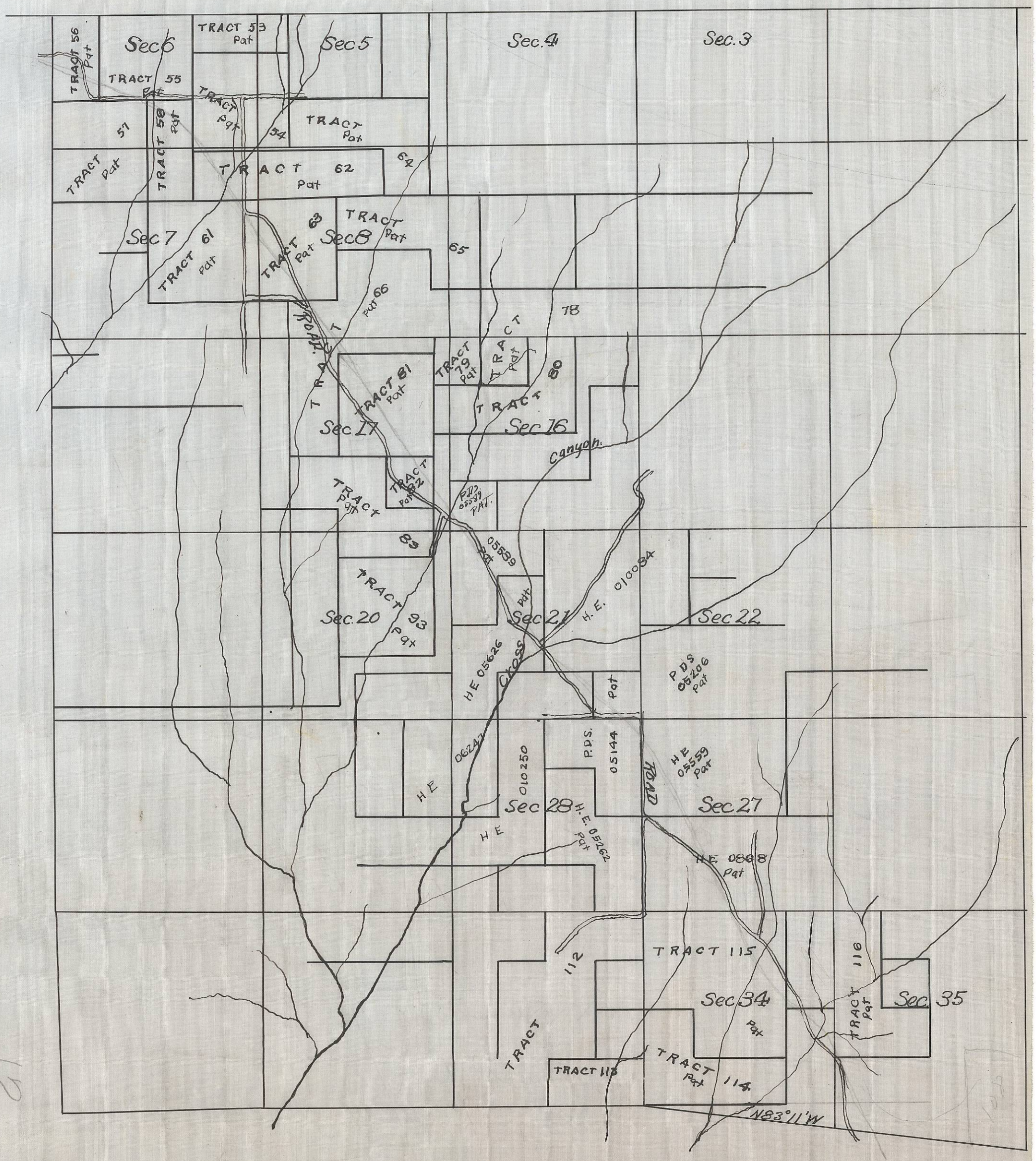

TRACT
79
80
TRACT
Sec. 16
655
(932.3)
PPS
0558
PART
SW¼
SW¼?
640
(423.4)


40.00
20.00
20.00
40.00
60.02
Tract 115
Sec. 34
20.00
20.00
40.01
Tract 117
60.98
80.57
6
5
4
3
2
1
21.25
60.50
40.00
Tract 116
40.00
20.00
90.85
40.00
Sec. 35
20.00
20.00


90.85
TRACT
40.00
20.00
40
20.00
20
20
40
20
20.00
20.00
80.57
90.00
21.80
Tract 108
21.75
40.00

Township No 40 N Range 18 W N.M.P.M.
Copied from General Land Office Plat.

T. 41 N., R. 18 W.



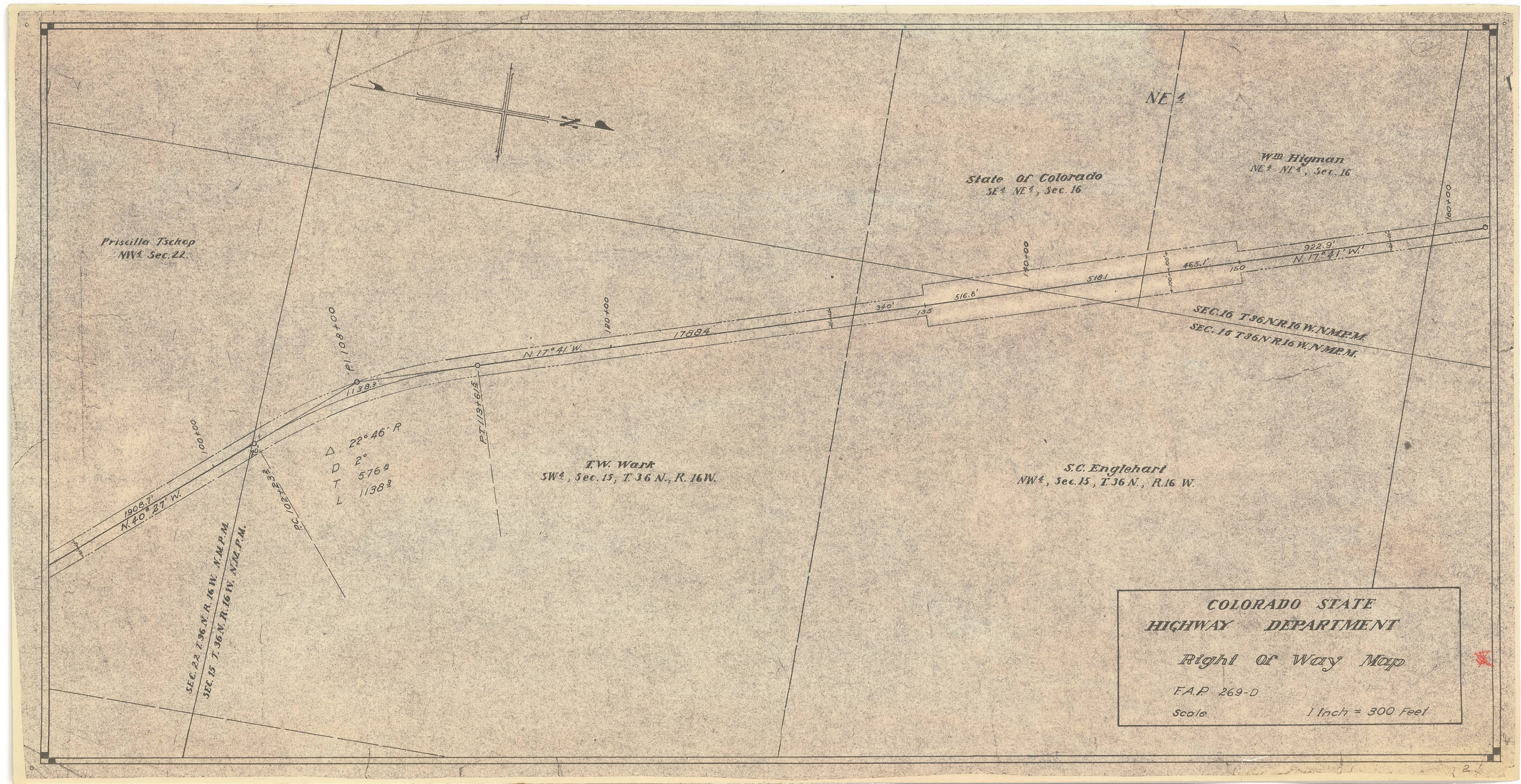
FAP 269-D

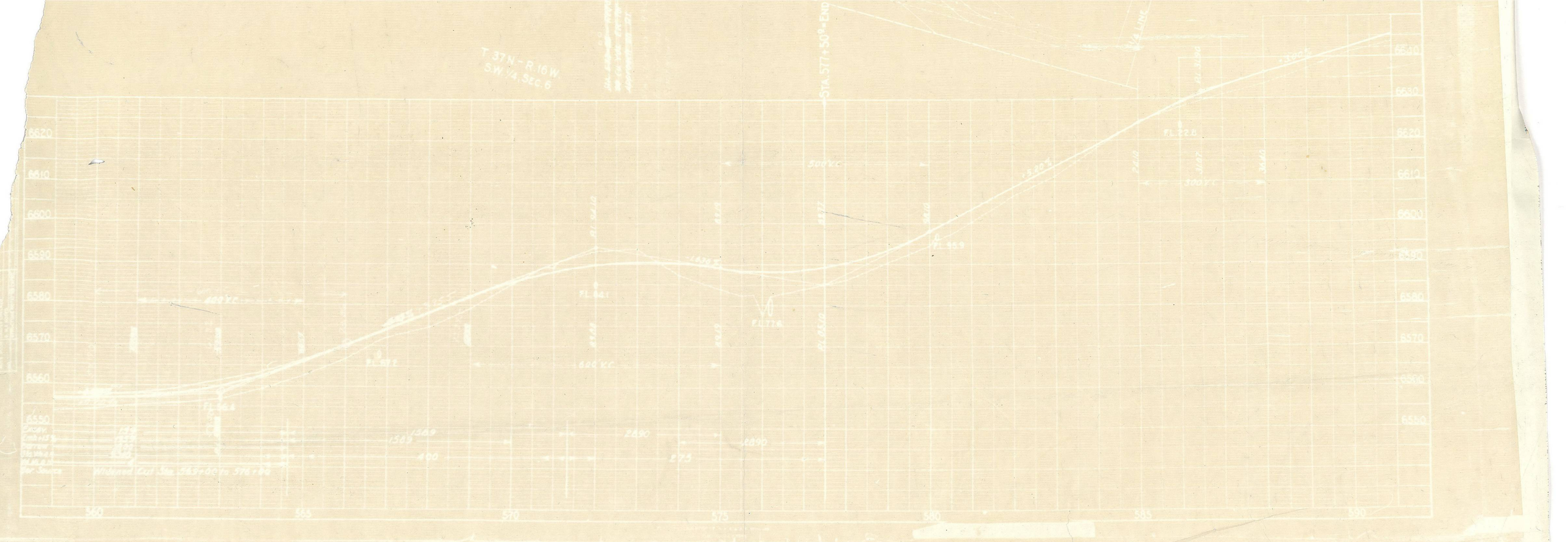
R.O.W.

Montezuma. Co.

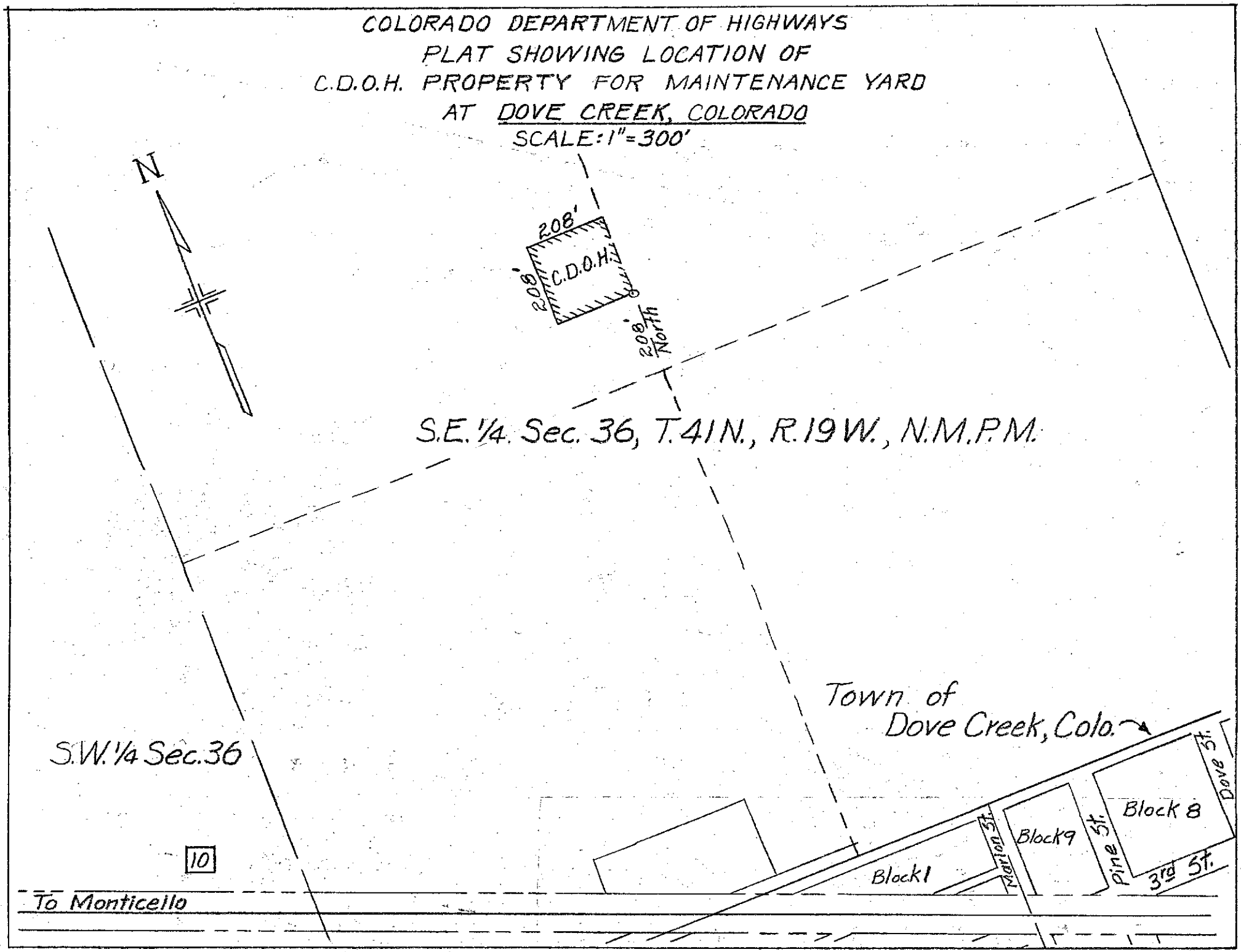
Cortez N. West

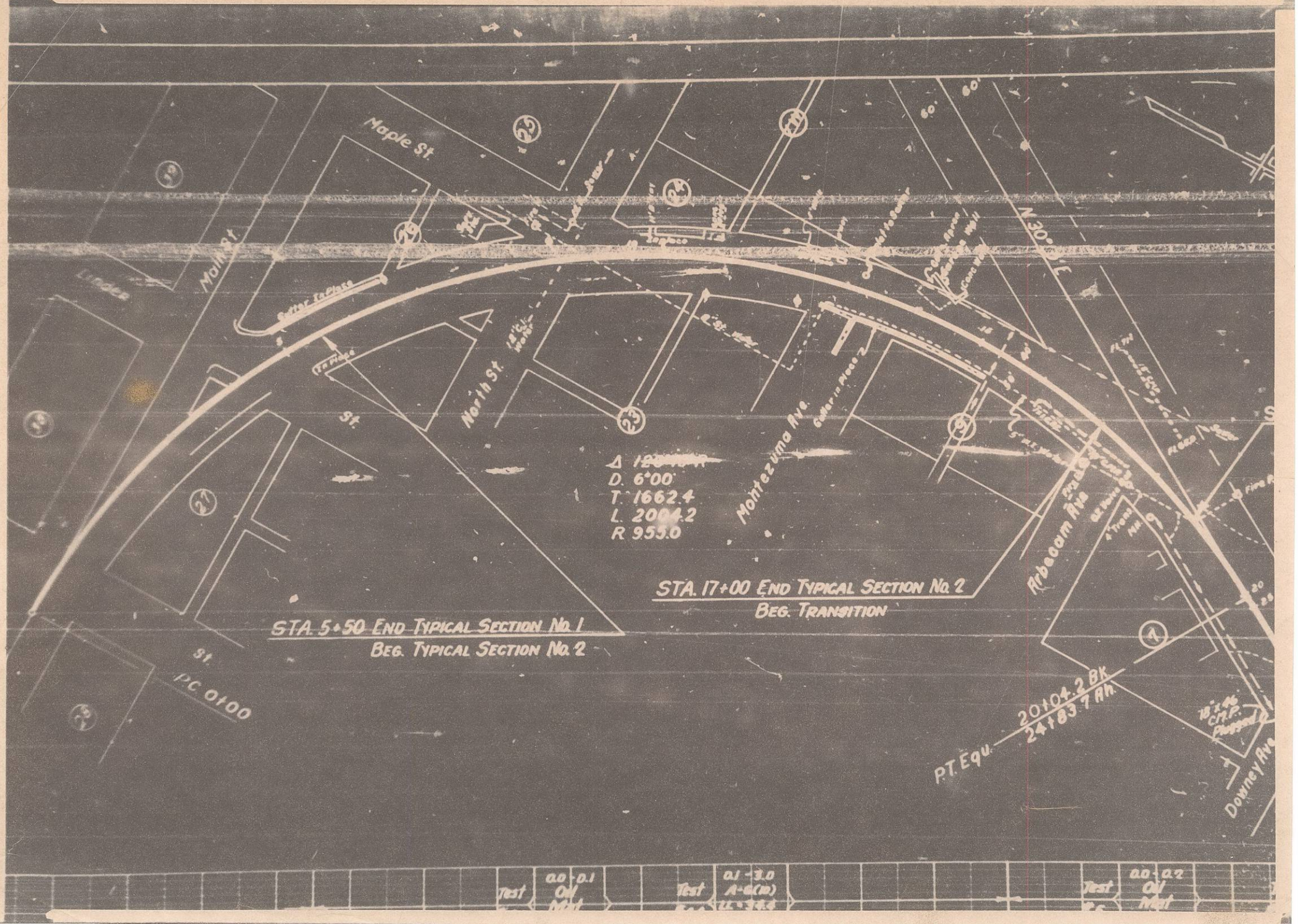
FAP 269-D


NE¼
Wm Higmon
NE¼ NE¼, Sec. 16
State of Colorado
SE¼ NE¼, Sec. 16
Priscilla Tschop
NW¼ Sec. 22
P.I. 108+00
120+00
140+00
160+00
N. 17° 41' W.
1788.4'
1138.3'
516.8'
340'
135
516.1'
465.1'
150
922.9'
N. 17° 41' W.
SEC. 16 T. 36 N. R. 16 W. N.M.P.M.
SEC. 15 T. 36 N. R. 16 W. N.M.P.M.
P.C. 103+23.2
P.T. 113+61.5
Δ 22° 46' R
D 2°
T 576.8
L 1138.2
100+00
1908.7'
N. 40° 27' W.
SEC. 22 T. 36 N. R. 16 W. N.M.P.M.
SEC. 15 T. 36 N. R. 16 W. N.M.P.M.
T.W. Wark
SW¼, Sec. 15, T. 36 N., R. 16 W.
S.C. Englehart
NW¼, Sec. 15, T. 36 N., R. 16 W.
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet


T. 37 N. - R. 16 W.
S.W. 1/4, Sec. 6
Sta. 577+50 = End
1/4 Line
500' V.C.
400' V.C.
600' V.C.
Fl. 44.1
Fl. 57.2
Fl. 66.4
Fl. 77.6
Fl. 88.9
Fl. 72.8
6620
6610
6600
6590
6580
6570
6560
6550
565
570
575
580
585
590

COLORADO DEPARTMENT OF HIGHWAYS
PLAT SHOWING LOCATION OF
C.D.O.H. PROPERTY FOR MAINTENANCE YARD
AT DOVE CREEK, COLORADO
SCALE: 1" = 300'




Maple St.
Main St.
North St.
Montezuma Ave.
Arbeam Ave
Downey Ave
N 30°
Δ 12°
D. 6°00
T. 1662.4
L. 2004.2
R 955.0
STA. 5+50 END TYPICAL SECTION No. 1
BEG. TYPICAL SECTION No. 2
STA. 17+00 END TYPICAL SECTION No. 2
BEG. TRANSITION
P.C. 0+00
P.T. Equ 20+04.2 BK
24+83.7 AH
18"x46' C.M.P. Proposed


NOTE-
Any structure work encountered is to be done by City of Cortez Forces at no expence to the project
Maple St.
Linden
Main St.
Elm
Park Ave.
Oak Ave.
Park St.
Main St.
Montezuma Ave.
Ridstrom Ave.
Downey Ave.
Δ 120°15' R
D. 6°00'
T. 1662.4
L. 2004.2
R 955.0
STA. 18+78 CORTEZ CITY LIMITS
STA. 11+00 END TYPICAL SECTION No. 2
BEG. TRANSITION
STA. 5+50 END TYPICAL SECTION No. 1
BEG. TYPICAL SECTION No. 2
P.C. 0100
P.T. Equ. 20+04.2 Bk
24+83.7 Ahd
STA. 2+17.5 END TRANSITION
BEG. TYPICAL SECTION No. 3
PROFILE AND GRADE ON CENTERLINE
6200
6190
6180
6170
6160

F23-1(1)	F22-1(1)	SHEET NO.	
1	1	1	TITLE SHEET & SKETCH MAP.
2	2	2	TYPICAL SECTION, SUMMARY OF APPROXIMATE QUANTITIES, DETAILS OF COMBINATION CURB & GUTTER, GUTTER, SIDEWALK, AND CURB & GUTTER AT INTERSECTION, BALLAST MATERIAL PLAN.
3	3	3	TABULATION OF LENGTH & DESIGN DATA, AND COMBINATION CURB & GUTTER TABULATION AND SURFACING MATERIAL PLAN, DETAILS OF CURB & SIDEWALK
5	4-5	4-5	LIST OF STRUCTURES.
6	6	6	STANDARD MARKERS POSTS. M-7-B
7	7	7	STANDARD NO. 12 AND NO. 13 CONCRETE INLETS. M-12-C-13
8	8	8	STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS. M-2-D
10	9-10	9-10	PLAN & PROFILE SHEETS.
18-19	11-18	11-18	CROSS SECTION SHEETS.
20	20	20	EARTHWORK TOTALS.
8A	8A	8A	STANDARD METHODS FOR SUPERELEVATION & WIDENING OF CURVES. M-1-B
8B	8B	8B	TYPICAL SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT AND WIDENING AT BRIDGES. M-2-C

INDEX OF SHEETS

FED. ROAD DIST. NO.	STATE	F.A.P. PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 22-1(1) F 23-1(1)	1	

Rev. 10/24/47 J.R.W.

22,0101

COLORADO
STATE HIGHWAY DEPARTMENT

PLAN AND PROFILE OF PROPOSED
FEDERAL AID PROJECT NO. F 22-1(1) & F 23-1(1)
STATE HIGHWAY NO. 10 & 106
MONTEZUMA COUNTY

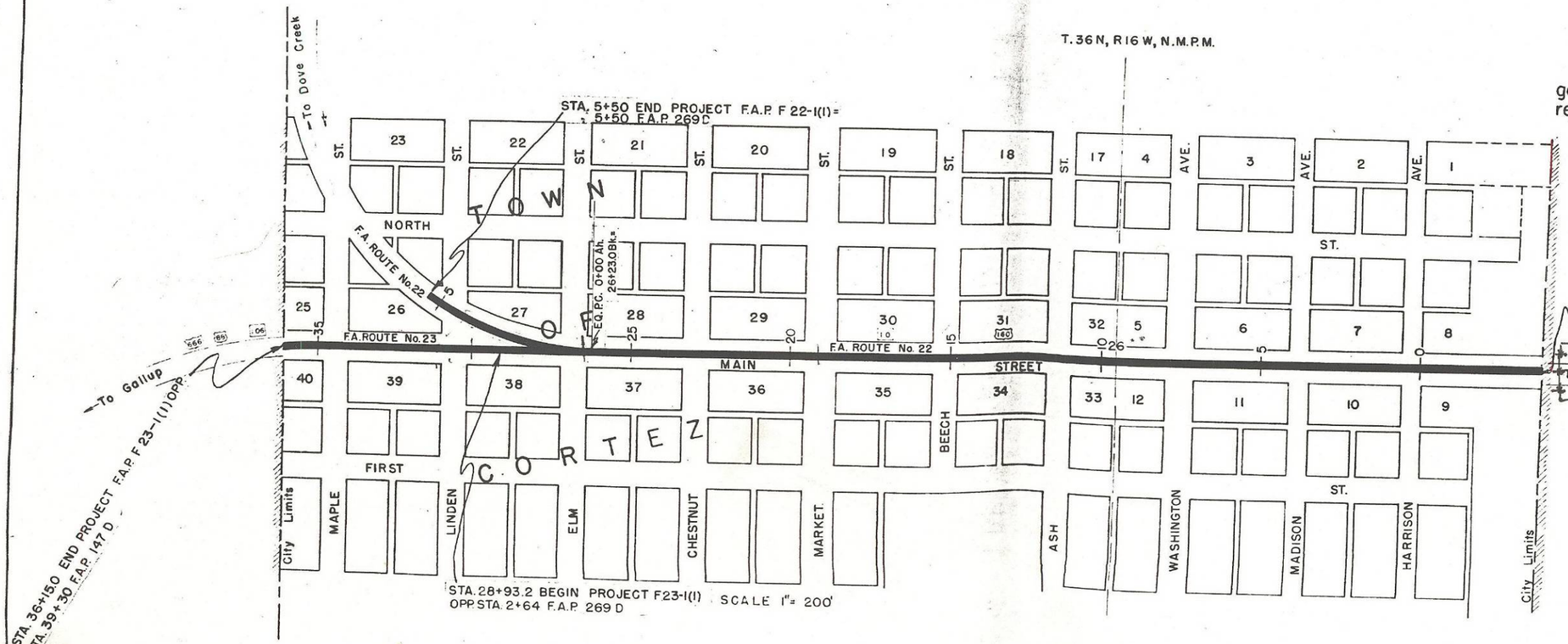
SCALES OF ORIGINAL TRACINGS
ON PLAN, 1 IN. - 100 FT.
ON PROFILE 1 IN. - 100 FT. HORIZONTAL
1 IN. - 10 FT. VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD

F.A.P. F22-1(1) GROSS LENGTH OF PROJECT / NET LENGTH OF PROJECT } 3,550.0 LIN.FT.=0.672 MILES

F.A.P. F23-1(1) GROSS LENGTH OF PROJECT / NET LENGTH OF PROJECT } 721.8 LIN.FT.=0.136 MILES.

CONVENTIONAL SIGNS

Center Line of Survey
Property or Tract Line
City Limits
Section Line
Quarter Section Line
Teleph. & Teleg. Line



NOTE:

It is recommended that bidders on this Project go over the plan details with the following field representative of this Department.

Mr. J.E. Casey, Division Engineer Durango, Colo.

RECOMMENDED FOR APPROVAL
Jas. D. Bell
ASSISTANT ENGINEER DATE 9-18-47

APPROVED
Mark T. Watson
STATE HIGHWAY ENGINEER DATE 9-18-47

RECOMMENDED FOR APPROVAL DATE
DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

APPROVED DATE
DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
3	COLO.	F 22-1(1) F 23-1(1)	10	

Rev 10/24/67 J.R.W.

SURVEYED
PLOTTED
GRADES CHECKED
RT. OF WAY CHECKED

I INCH = 100' HORIZ.
I INCH = 10' VERT.
SURVEYED
PLOTTED
GRADES CHECKED
R.O.W. NOTED
STRUCTURE DATA CHECKED

37 | 38 | 39 | 40

0+38 – Extend 18" C.M.P. Cross Culvert 12'Lt. No. 13 Concrete Inlet (H-5) Rt. Remove Culvert Inlet Rt.

0+38 – Extend 18" C.M.P. Cross Culvert 12'Lt. No. 19 Concrete Inlet (H-5) Rt. Remove Culvert Inlet Rt.

30+20 – Rep'l. Street Approaches Lt & Rt.

30+70 – Remove Concrete Crosswalk, Rt.

30+90 – Extend 18" C.M.P. Cross Culvert 12'Lt. No. 13 Concrete Inlet (H-5) Rt.

34+50 – Rep'l. Street Approaches Lt & Rt.

35+15 to 36+15 – Rep'l. Driveway Entrance, Rt.

36+15 – Rep'l. Project Marker and Approach to Project.

N

Δ 59° 37'L
D 4°
T 820.7
N.P.S.D. = 640'

P.C. 34+62.4

To Gallup N.M.

In Place — US.160 — MAIN ST — U.S.666 — S89° 02W — In Place

56.5' Cross Walk

West ¼ Corner Sec. 26

ST | ST | ST

ELM | LINDEN | MAPLE

U.S.160

28 | 27 | 26 | 25

P.C. 0+00

EQUATION (26+23 Bk = 0+00 Ah.) P.C.

0+67 – Rep'l. Street Approaches Lt & Rt.

0+67 – Remove Concrete Crosswalks, Lt & Rt.

STA. 28+93.2
BEGIN F.A.P. F 23-1(1)
OPP. STA. 2+64 F.A.P. 269D

Δ 120°15'R
D 6°
T 1662.4
L 2004.2
R 955.0

STA. 5+50 END F.A.P. F 22-1(1)
STA. 5+50 F.A.P. 269 D

CORTEZ CITY LIMITS

STA. 36+15 END F.A.P. F 23-1(1) OPP.
STA. 39+30 F.A.P. 147 D

#9 A4
LL = 28.0
PI = 6.6
%-200 = 80.2

#10 A4
LL = 26.3
PI = 7.8
%-200 = 78.0

F 22-1(1) — F 23-1(1)

6190
6200
6190
6180
6190

In Place | In Place | In Place | In Place | In Place

88.30 | 86.00 | 85.40 | 86.30 | 87.10 | 88.00 | 89.70 | 90.90 | 92.20 | 91.80 | 91.00

100' V.C. | 100' V.C. | 100' V.C.

-1.20% | +0.257% | +1.64% | +0.425% | -1.13%

P.I. 6190.00 | P.I. 6187.00 | P.I. 6187.51 | P.I. 6191.60 | P.I. 6193.30

87.60 | 87.18 | 87.13 | 87.39 | 87.68 | 88.33 | 90.79 | 91.45 | 91.81 | 93.09 | 93.11 | 92.74

F.L. 88.5

#9 A4 | #10 A4

100' V.C. | N.P.S.D. 535 | N.P.S.D. 655

90.40 | 86.60 | 85.90 | 85.80 | 90.80 | 92.70 | 92.40 | 94.60

In Place | In Place

| | | |

FED. ROAD PROJECT NO.	STATE	F.A. PROJECT NO.	SHEET NO.	TOTAL SHEETS
	COLO.	F-22-1(1)	3	

Note
Elevations and Grades are shown thus (000.00)
Stations and Offsets are shown thus 0+00
Bench Marks are shown thus BM
Contractor will find other Bench Marks shown on Sheet No. 2.
Contractor will find other Bench Marks shown on Sheet No. 3.

-3+77 - Remove and Reset Project Marker. Regd. Approach to Project.
-2+70 to -2+50 - Regd. Driveway Entrance Lt.
-3+67 to -3+67 - Regd. Driveway Entrance Rt.
0+30 - Regd. 18" x 39" C.M.P. Side Drain No. 13 Concrete Inlet (H-5) Rt. Remove 21" x 24" Steel Pipe Side Drain Lt.
0+30 - Remove Concrete Crosswalk Rt.
0+30 - Regd. Street Approaches Lt. & Rt.
3+70 - Regd. 24" x 68" C.M.P. Cross Culvert No. 13 Concrete Inlet (H-5) Rt.
5+05 to 6+95 - Regd. Driveway Entrance Rt.
7+65 - Remove Concrete Crosswalks Lt. & Rt.
8+35 to 9+95 - Regd. Driveway Entrance Rt.
11+25 - Extend 18" C.M.P. Cross Culvert 12' Lt. No. 13 Concrete Inlet (H-5) Rt. Remove Culvert Inlet Rt.
11+50 - Regd. Street Approaches Lt. & Rt.
12+15 to 13+15 - Regd. Driveway Entrance Rt.
14+65 - Remove Concrete Slab Rt.
15+05 - Extend 18" C.M.P. Cross Culvert 12' Lt. No. 13 Concrete Inlet (H-5) Rt. Remove Culvert Inlet Rt.
15+55 to 16+90 - Regd. 3' Width Concrete Sidewalk Rt. (Details on Sheet No. 3)
18+30 - Regd. 24" x 68" C.M.P. Cross Culvert No. 13 Concrete Inlet (H-5) Rt. Remove 18" C.M.P. Cross Culvert.
19+20 - Remove Concrete Crosswalk Lt. & Rt.
19+55 - Extend 18" C.M.P. Cross Culvert 12' Lt. No. 13 Concrete Inlet (H-5) Rt. Remove Culvert Inlet Rt.
22+85 - Extend 18" C.M.P. Cross Culvert 12' Lt. No. 13 Concrete Inlet (H-6) Rt. Remove Culvert Inlet Rt.
23+55 to 24+55 - Regd. 3' width Concrete Sidewalk Lt. & Rt. Remove Concrete Sidewalk Lt.
24+70 - Remove Fence Posts & Pipe Guard Rail
25+10 - Regd. Street Approaches Lt. & Rt.
25+10 - Regd. Street Approaches Lt. & Rt. Remove Concrete Crosswalk Lt. & Rt.
23+55 to 24+55 - Regd. 3' width Concrete Sidewalk Lt. Remove Concrete Sidewalk Lt.
23+55 to 24+55 - Regd. 3' width Concrete Sidewalk Rt. (Details on Sheet No. 3)
23+85 - Extend 18" C.M.P. Cross Culvert 12' Lt. No. 13 Concrete Inlet (H-5) Rt. Remove Culvert Inlet Rt.

STA. -3+770 BEGIN F.A.P. F-22-1(1) OPPOSITE STA. 0+60 F.A.P. 147 D = STA. 0+60 F.A.P. 269 A

Project Marker
To Manca
CORTEZ CITY LIMITS
HARRISON AVE.
MADISON AVE.
WASHINGTON AVE.
ASH ST.
BEECH ST.
MARKET ST.
CHESTNUT ST.
MAIN STREET
S 89° 02' W
*Center of Sec. 26
Pipe Guard Fence
Concrete Slab
In Place
To Place
140.1' Sidewalk in Place
169.1' Sidewalk in Place
320.9 Sidewalk in Place
Cross Walk 36.5'
Cross Walk 35.5'
Cross Walk 34.5'
Cross Walk 33.5'
Cross Walk 32.5'
Cross Walk 31.5'
Cross Walk 30.5'
Cross Walk 29.5'
Cross Walk 28.5'

9 10 11 12 33 34 35 36 37
8 7 6 5 32 31 30 29 28

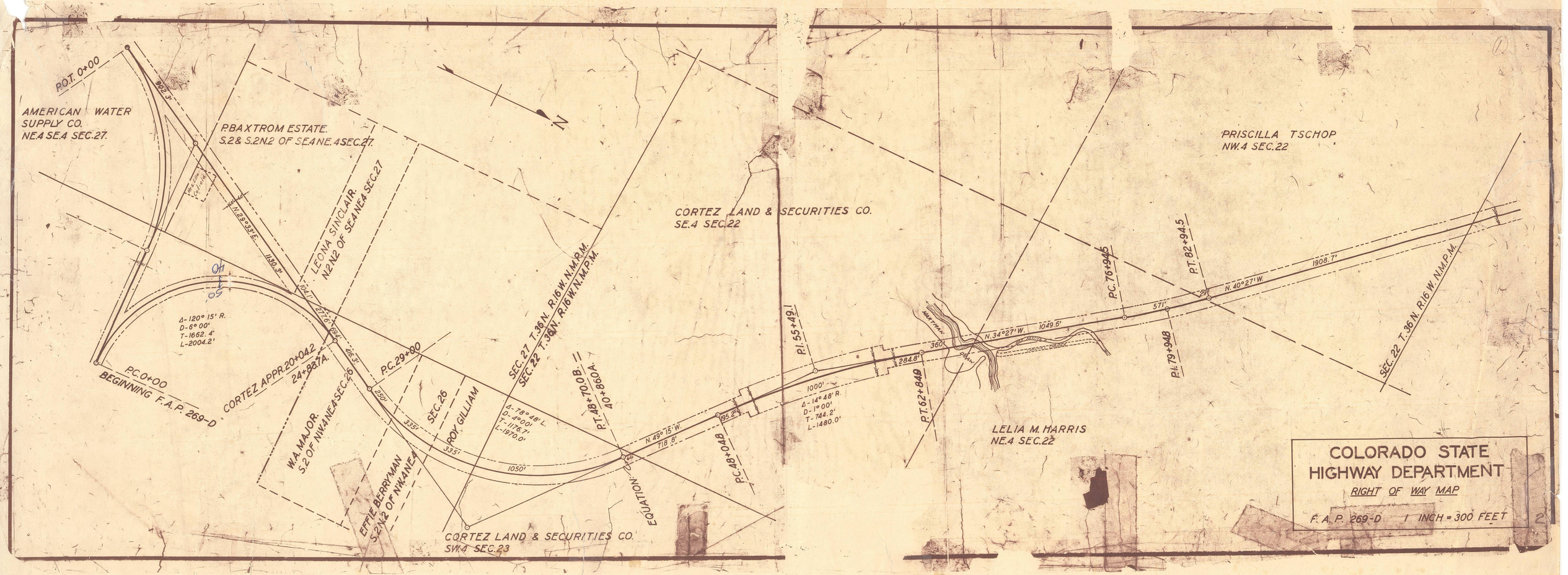
Similar to Test #1
Similar to Test #7

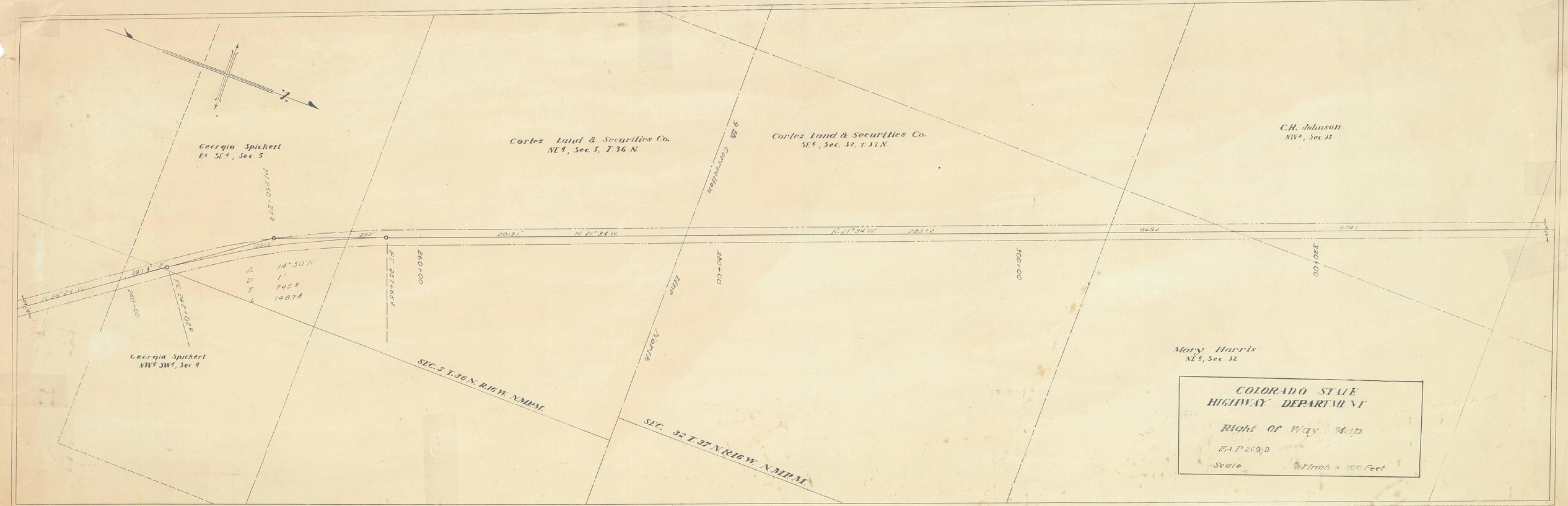
EXCAVATION	979		874		1101	300	1602	512	209	1116	329	500	500	600	500										
EMBANKMENT FACTOR	120%		120%		20			120	120	120	120	120													
EMBANKMENT	1175		1048					2	9	7	2	24	7												
EMBANK. % FACTOR	97%		97%		355	1905	14720	2	12	3	11	29	8	3150	3500	4400	3500								
STA. YD. C. M.	1139		1016					1625			9515	3		3300		22	30								
YD. MI. O. M.	0.216		0.192		110	300	1600	500	200	1100	300	500	500	500	500	400	500								
EXCESS	161		142																						

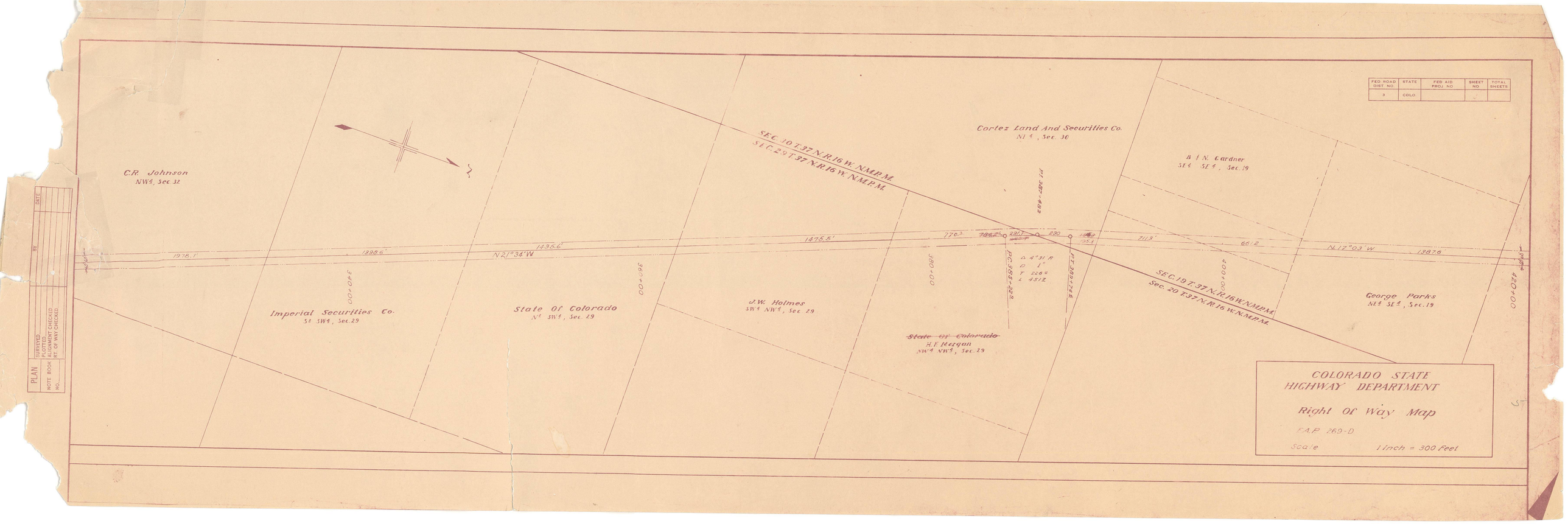
To be placed 20' Rt of 2+60
To be placed 300' Rt of 3+90
To be placed 600' Lt of 3+90
To be placed 600' Lt of 11+50
To be placed 150' Lt of 15+20
To be placed 1000' Lt of 19+20
To be placed 1400' Lt of 19+20
To be placed 500' Lt of 26+90
To be placed 1000' Lt of 30+70
To be placed 800' Lt of 34+90

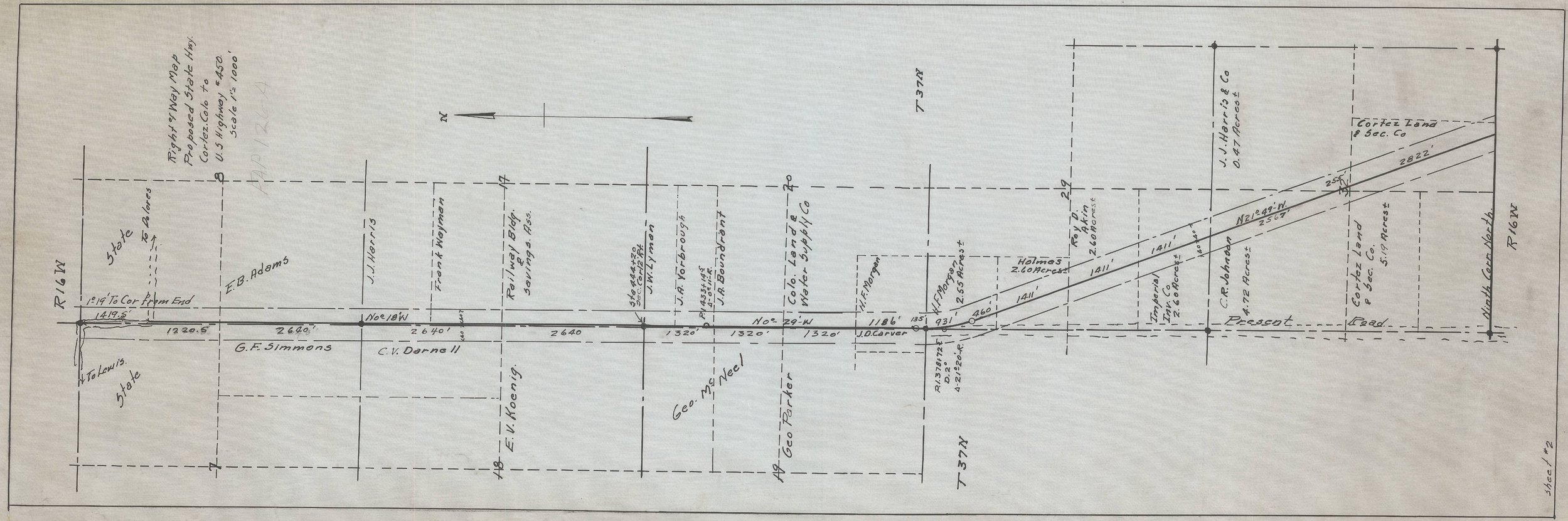
PLATE I-PLAN-PROFILE B. P. R. STANDARD
EUGENE DIETZGEN CO. Chicago New York

Printed in U.S.A. On IMPERIAL Tracing Cloth

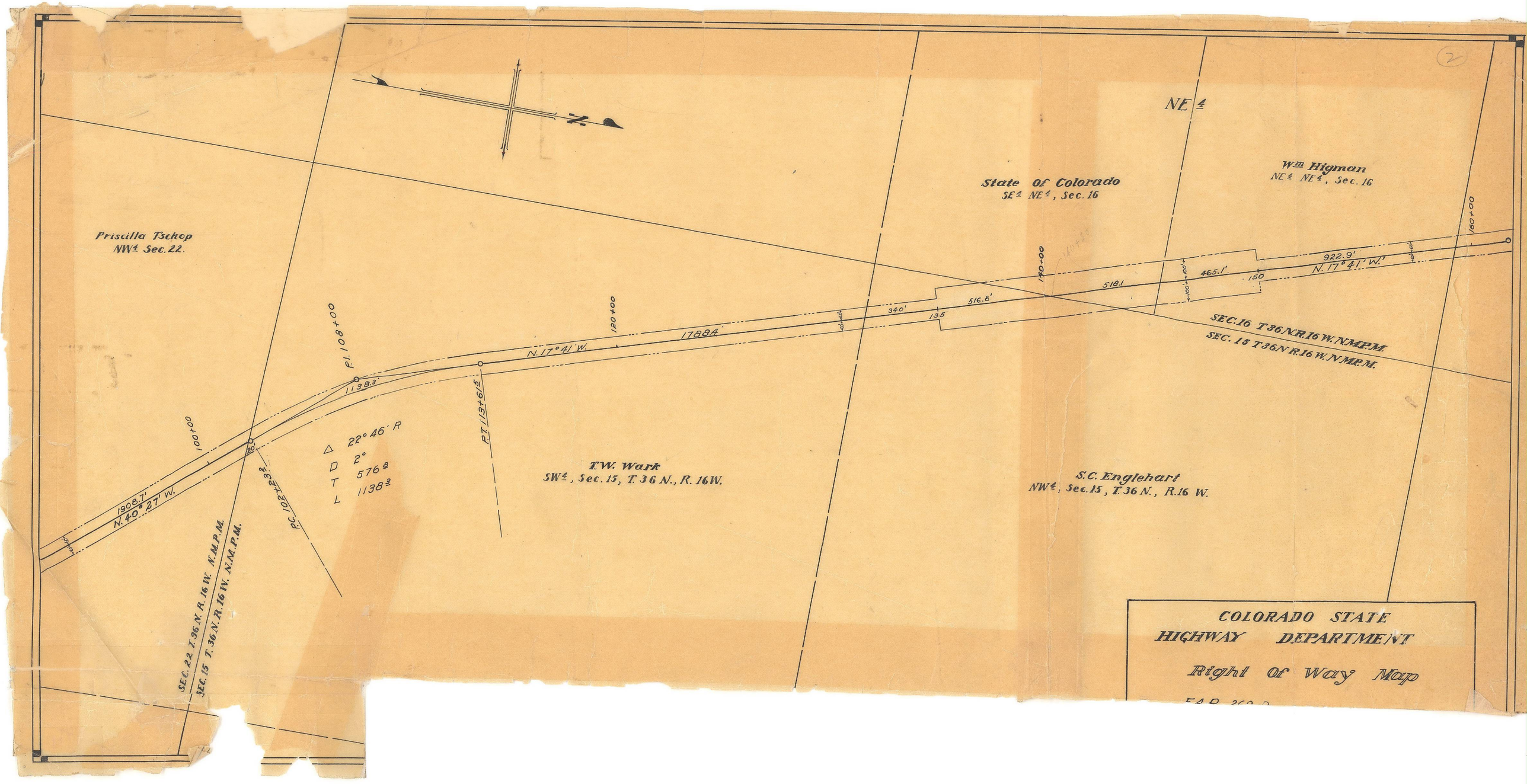

P.O.T. 0+00
AMERICAN WATER SUPPLY CO. NE.4 SE.4 SEC.27.
P.B.AXTROM ESTATE. S.2 & S.2N.2 OF SE.4 NE.4 SEC.27.
902.3'
Western Pacific R.R.
N.29°33'E.
1130.3'
LEONA SINCLAIR. N.2 N.2 OF SE.4 NE.4 SEC.27
104.1'
677.6'
Δ-120° 15' R.
D-6° 00'
T-1662.4'
L-2004.2'
416.3'
P.C. 0+00
BEGINNING F.A.P. 269-D
CORTEZ APPR. 20+042
24+887.4.
P.C. 29+00
330'
335'
335'
SEC. 26
ROY GILLIAM
W.A. MAJOR. S.2 OF NW.4 NE.4 SEC.26
EFFIE BERRYMAN S.2 N.2 OF N.4 NE.4
Δ-78° 48' L.
D-4° 00'
T-1178.7'
L-1970.0'
1050'
N. 49° 15' W.
718.9'
P.T. 48+70.8 = P.T. 40+86.0 A.
EQUATION
P.C. 48+04.8
CORTEZ LAND & SECURITIES CO. SW.4 SEC. 23
SEC. 27 T. 36 N. R. 16 W. N.M.P.M.
SEC. 22 T. 36 N. R. 16 W. N.M.P.M.
CORTEZ LAND & SECURITIES CO. SE.4 SEC. 22
P.I. 55+49.1
1000'
Δ-14° 48' R.
D-1° 00'
T-744.2'
L-1480.0'
P.T. 62+84.9
95.4'
284.8'
360'
WAYMAN
ADAMS
N. 34° 27' W.
1049.6'
LELIA M. HARRIS NE.4 SEC. 22
P.C. 76+94.5
571'
P.T. 82+94.5
P.I. 79+94.8
28'
N. 40° 27' W.
1908.7'
PRISCILLA TSCHOP NW.4 SEC. 22
SEC. 22 T. 36 N. R. 16 W. N.M.P.M.
N
COLORADO STATE HIGHWAY DEPARTMENT
RIGHT OF WAY MAP
F. A. P. 269-D 1 INCH = 300 FEET
2

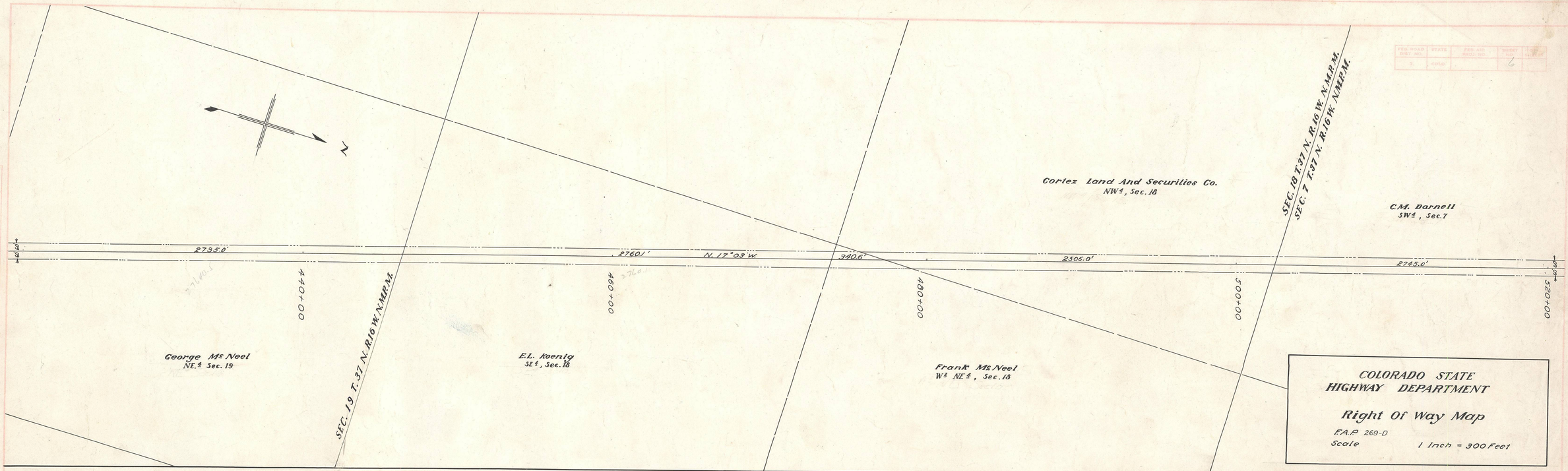

Georgia Spickert
E½ SE¼, Sec 5
Cortez Land & Securities Co.
NE¼, Sec 5, T 36 N.
Cortez Land & Securities Co.
SE¼, Sec. 32, T 37 N.
C.R. Johnson
NW¼, Sec 32
Georgia Spickert
NW¼ SW¼, Sec 4
Mary Harris
NE¼, Sec 32
PI 240+22
PC 242+85.9
Δ 14° 50' R
D 1°
T 745.3
L 1483.3
N 36° 24' W
297.4'
252'
1698.3
20131'
N 21° 34 W.
N. 21° 34 W.
28372'
6432
9781
1698.3
240+00
260+00
280+00
300+00
320+00
Cortez Ditch
Ditch
North
SEC. 5 T. 36 N. R. 16 W. N.M.P.M.
SEC. 32 T. 37 N. R. 16 W. N.M.P.M.
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet

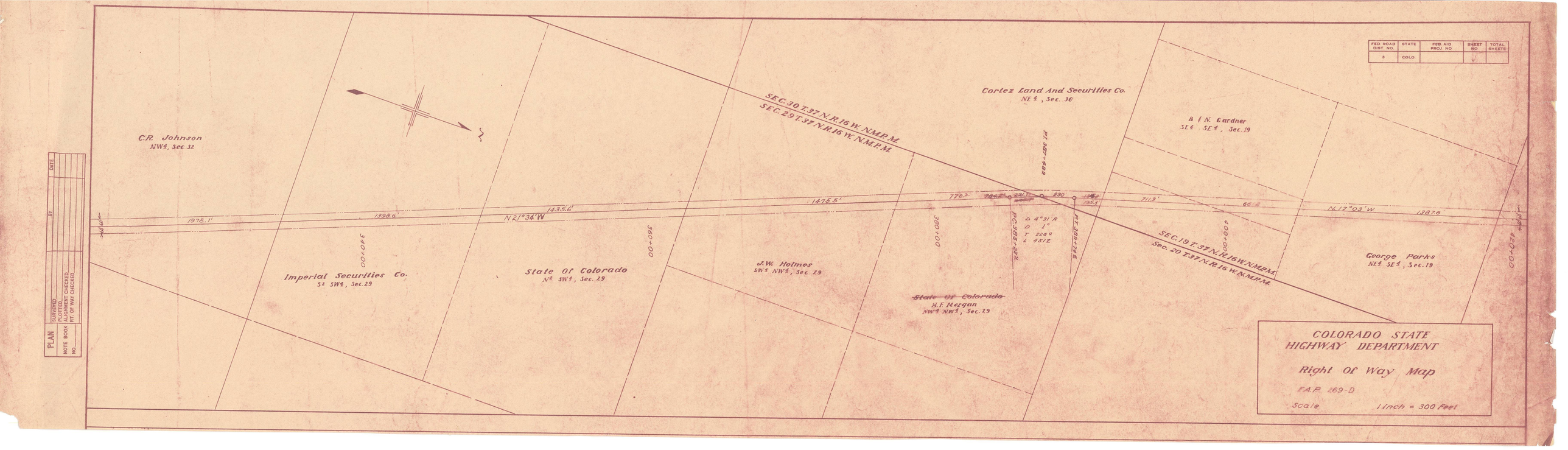

C.R. Johnson
NW¼, Sec. 32
Imperial Securities Co.
S½ SW¼, Sec. 29
State Of Colorado
N½ SW¼, Sec. 29
J.W. Holmes
SW¼ NW¼, Sec. 29
State of Colorado
H.F. Morgan
NW¼ NW¼, Sec. 29
Cortez Land And Securities Co.
N½, Sec. 30
B.F.N. Gardner
SE¼ SE¼, Sec. 19
George Parks
NE¼ SE¼, Sec. 19
SEC. 30 T.37 N.R.16 W. N.M.P.M.
SEC. 29 T.37 N.R.16 W. N.M.P.M.
SEC. 19 T.37 N.R.16 W. N.M.P.M.
Sec. 20 T.37 N.R.16 W. N.M.P.M.
N21°34'W
1978.1'
1398.6'
1435.6'
1475.5'
1770.3'
711.3'
66.2'
N.17°03'W
1287.6'
340+00
360+00
380+00
400+00
420+00
PC 365+22.8
Δ 4°31'R
D 1°
T 226.4
L 451.2
FED. ROAD DIST. NO. 3
STATE COLO.
FED. AID PROJ. NO.
SHEET NO.
TOTAL SHEETS
PLAN
SURVEYED
ALIGNMENT CHECKED
R.W. CHECKED
NOTE BOOK
NO.
RT. OF WAY CHECKED
BY
DATE
COLORADO STATE
HIGHWAY DEPARTMENT
Right Of Way Map
F.A.P. 269-D
Scale 1 inch = 300 Feet

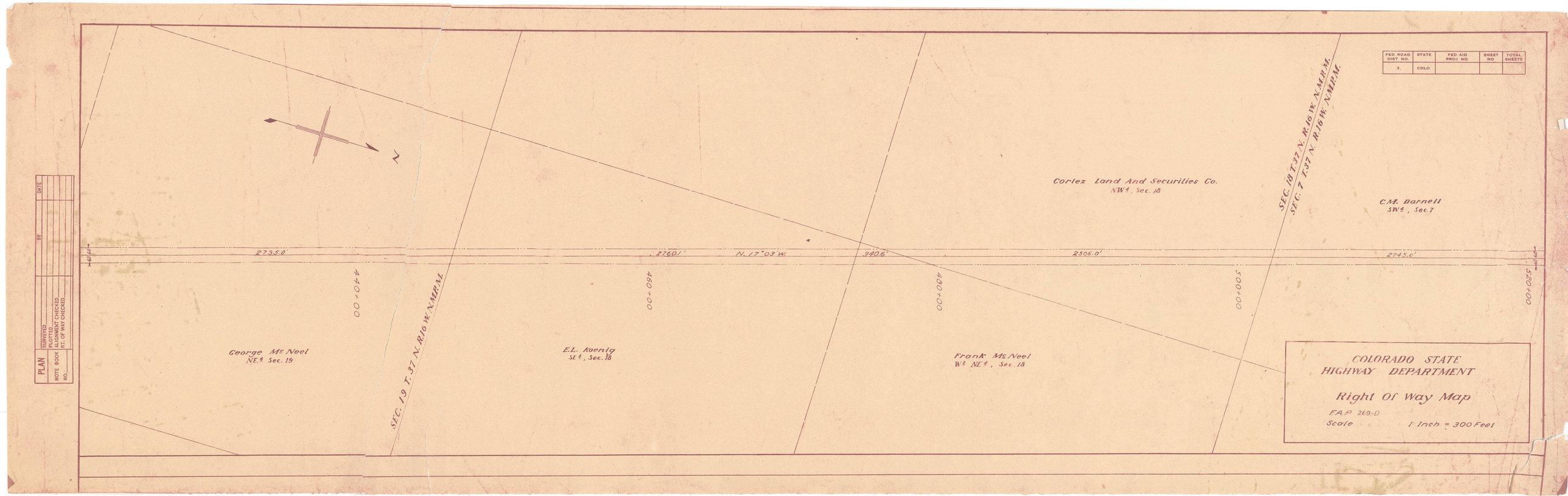

Right of Way Map
Proposed State Hwy.
Cortez, Colo to
U.S Highway #450.
Scale 1" = 1000'
AAP 1264
N
T 37 N
R 16 W
R 16 W
State
To Dolores
1°19' To Cor From End
1419.5'
1220.5
2640'
2640'
2640
1320'
1320'
1320'
1186'
931'
460'
1411'
1411'
1411'
2822'
N 21° 49' W
2560'
135
40'
40'
To Lewis
State
G.F. Simmons
C.V. Darnell
E.V. Koenig
Geo. M. Neel
Geo Parker
E.B. Adams
J.J. Harris
Frank Wayman
Railway Bldg. Savings Ass.
J.A. Yorbrough
J.R. Boundrant
Colo. Land & Water Supply Co
J.W. Lyman
3 to 444+20 Sec. Cor 12 Ft.
Pl 433+145 4-5° 11'30" R.
H.F. Morgan
J.D. Carver
H.F. Morgan
2.55 Acres±
Holmes 2.60 Acres±
Roy D. Akin 2.60 Acres±
Imperial Inv. Co 2.60 Acres±
C.R. Johnson 4.72 Acres±
J.J. Harris & Co 0.47 Acres±
Cortez Land & Sec. Co
5.19 Acres±
Cortez Land & Sec. Co
Prescott
Road.
Ninth Cor. North
R 1378.12 ft
D 2°
4-21°20' R
7
8
17
18
19
20
29
30
31

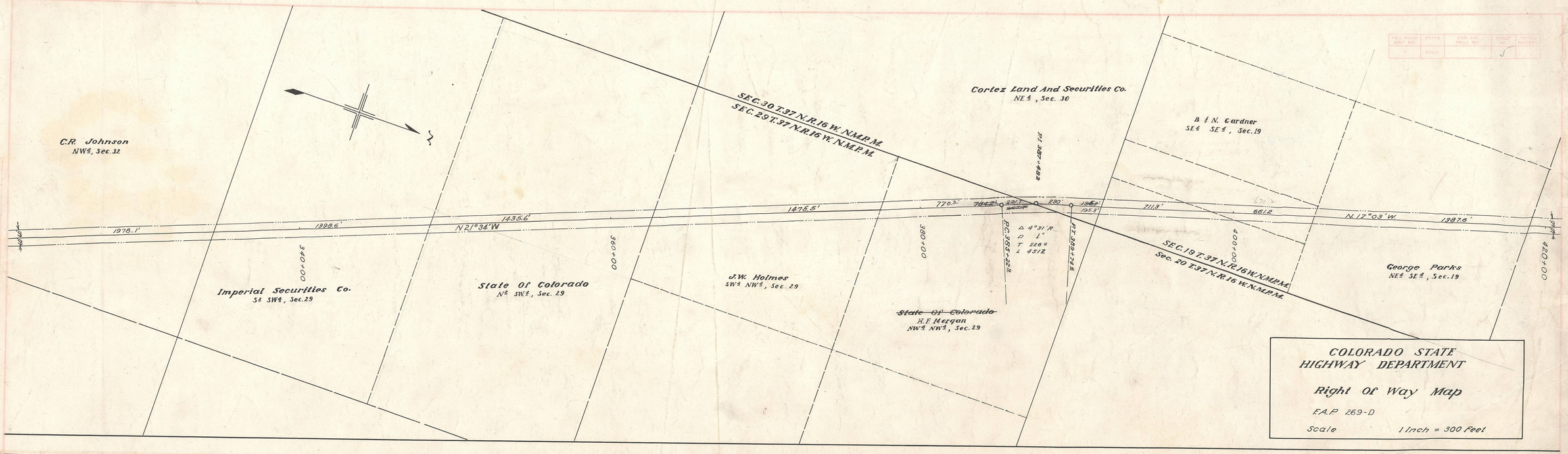
Sheet #2

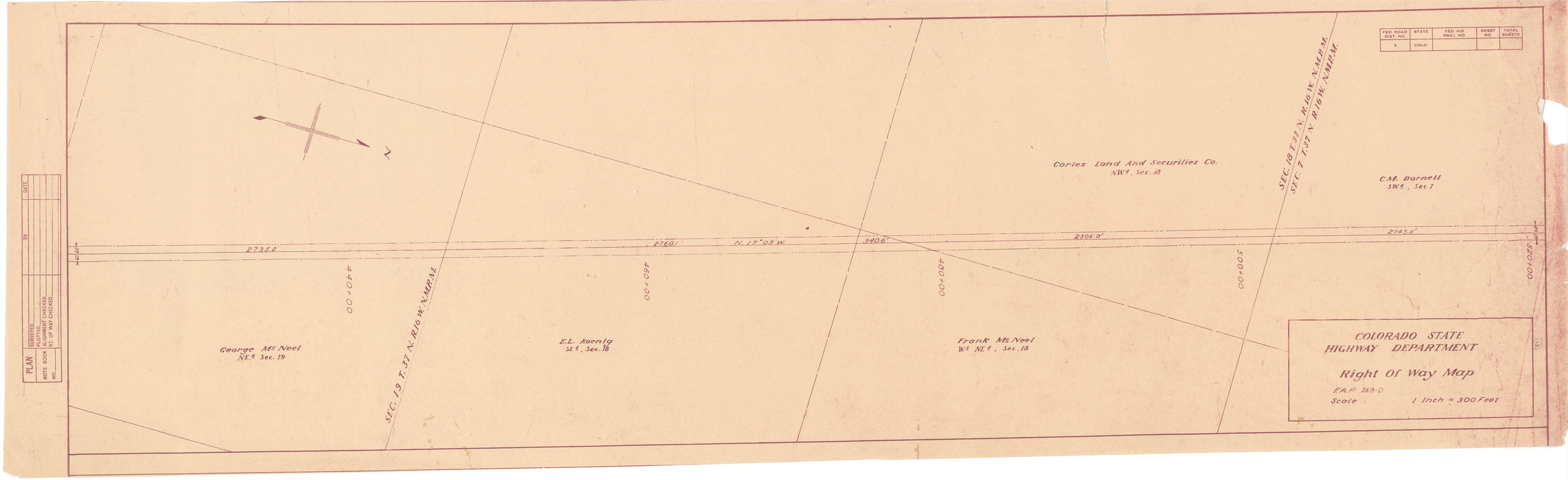

NE¼
Priscilla Tschop
NW¼ Sec. 22.
State Of Colorado
SE¼ NE¼, Sec. 16
Wm Higman
NE¼ NE¼, Sec. 16
T.W. Wark
SW¼, Sec. 15, T. 36 N., R. 16W.
S.C. Englehart
NW¼, Sec. 15, T. 36 N., R. 16 W.
SEC. 16 T36N R16W N.M.P.M.
SEC. 15 T36N R16W N.M.P.M.
SEC. 22 T. 36 N. R. 16 W. N.M.P.M.
SEC. 15 T. 36 N. R. 16 W. N.M.P.M.
Pl. 108+00
120+00
140+00
160+00
100+00
N. 17° 41' W.
1788.4'
1138.9'
340'
135
516.8'
518.1'
465.1'
150
922.9'
N. 17° 41' W.
N. 40° 27' W.
1908.7'
PC 102+83.2
PT 113+61.5
Δ 22° 46' R
D 2°
T 576.9
L 1138.2
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map

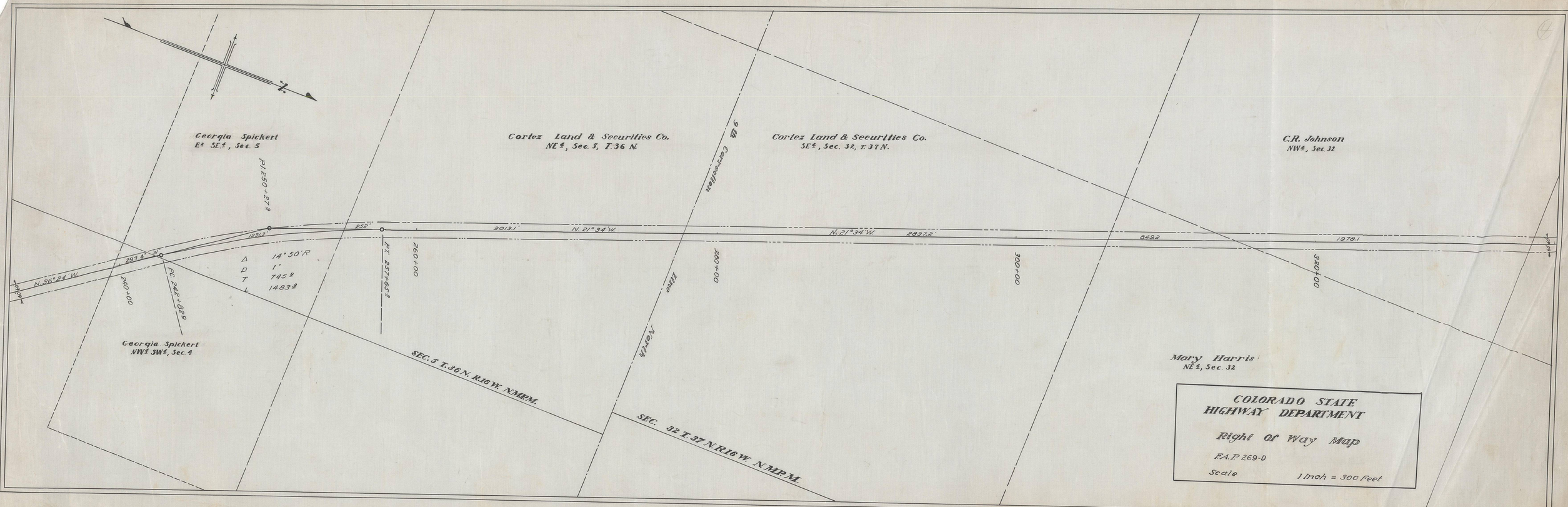

N
27.35.0'
2760.1'
N. 17°09' W.
340.6'
2506.0'
2743.0'
420+00
440+00
460+00
480+00
500+00
520+00
George Mc Neel
NE¼ Sec. 19
SEC. 19 T. 37 N. R 16 W. N.M.P.M.
E.L. Koenig
SE¼, Sec. 18
Frank Mc Neel
W½ NE¼, Sec. 18
Cortez Land And Securities Co.
NW¼, Sec. 18
SEC. 18 T. 37 N. R 16 W. N.M.P.M.
SEC. 7 T. 37 N. R 16 W. N.M.P.M.
C.M. Darnell
SW¼, Sec. 7
COLORADO STATE
HIGHWAY DEPARTMENT
Right Of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet

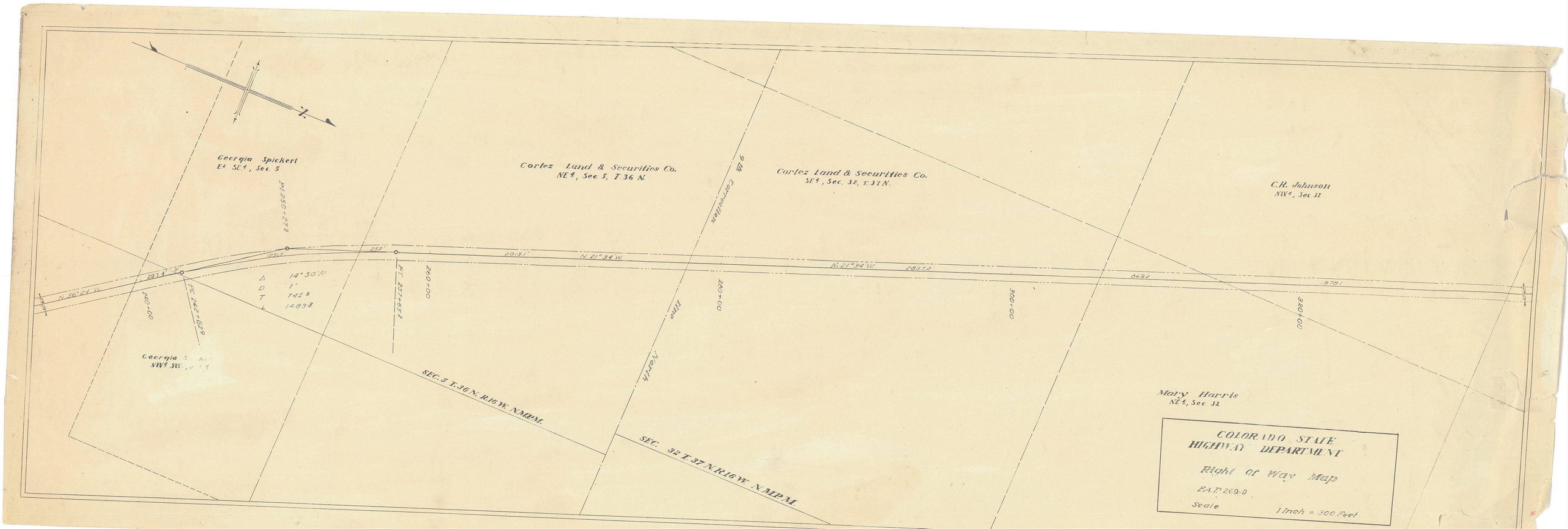

C.R. Johnson
NW¼, Sec. 32
SEC. 30 T. 37 N. R. 16 W. N.M.P.M.
SEC. 29 T. 37 N. R. 16 W. N.M.P.M.
Cortez Land And Securities Co.
NE¼, Sec. 30
A. & N. Gardner
SE¼ SE¼, Sec. 19
N 21° 34' W
1978.1'
1398.6
1435.6'
1476.5'
770.2'
724.2'
220'
290'
135.3'
711.3'
68.4'
N. 12° 03' W.
1387.6
Δ 4° 31' R
D 1°
T 226.2
L 451.2
P.C. Sta. 22+28.2
P.T. Sta. 26+79.4
SEC. 19 T. 37 N. R. 16 W. N.M.P.M.
Sec. 20 T. 37 N. R. 16 W. N.M.P.M.
Imperial Securities Co.
S½ SW¼, Sec. 29
State Of Colorado
N½ SW¼, Sec. 29
J.W. Holmes
SW¼ NW¼, Sec. 29
State Of Colorado
H.F. Morgan
NW¼ NW¼, Sec. 29
George Parks
NE¼ SE¼, Sec. 19
340+00
360+00
380+00
400+00
420+00
PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NOTE BOOK
NO.
BY
DATE
FED. ROAD DIST. NO. 3
STATE COLO.
FED. AID PROJ. NO.
SHEET NO.
TOTAL SHEETS
COLORADO STATE
HIGHWAY DEPARTMENT
Right Of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet

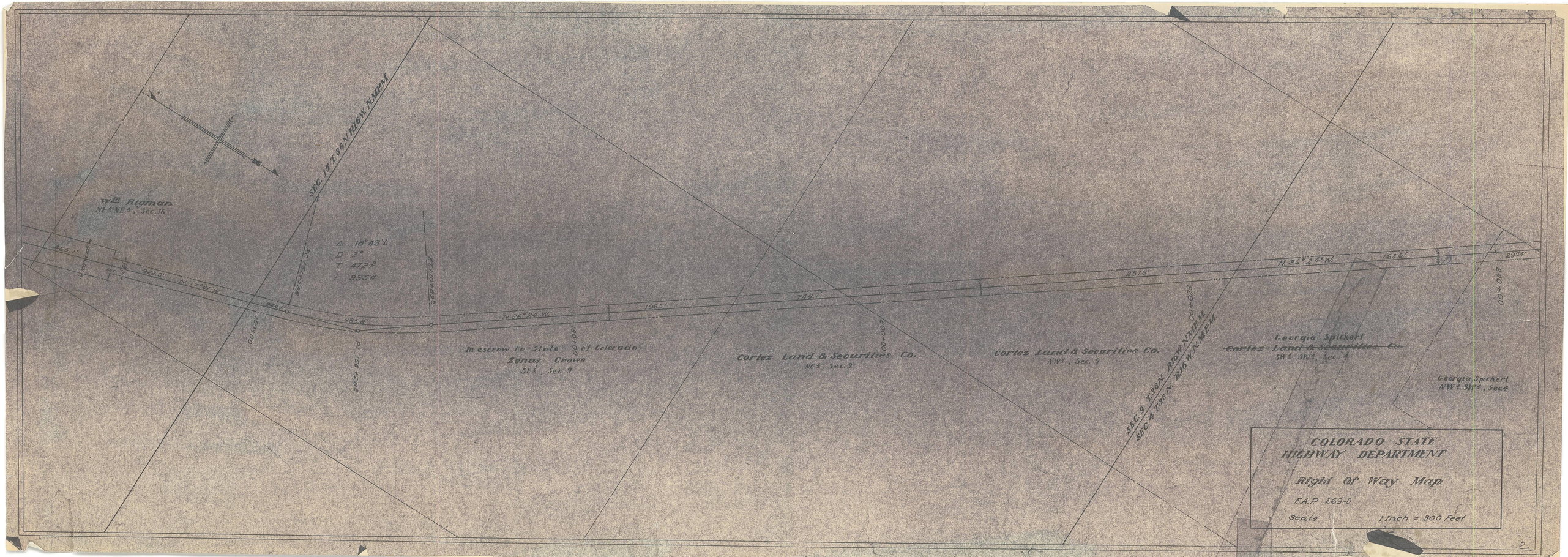

N
2735.0'
2760.1'
N. 17°03' W.
3406'
2505.0'
2745.0'
420+00
440+00
460+00
480+00
500+00
520+00
George Mc Neel
NE¼ Sec. 19
E.L. Koenig
SE¼, Sec. 18
Frank Mc Neel
W½ NE¼, Sec. 18
Cortez Land And Securities Co.
NW¼, Sec. 18
C.M. Darnell
SW¼, Sec. 7
SEC. 19 T. 37 N. R. 16 W. N.M.P.M.
SEC. 18 T. 37 N. R. 16 W. N.M.P.M.
SEC. 7 T. 37 N. R. 16 W. N.M.P.M.
PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
ALIGNMENT CHECKED
RT. OF WAY CHECKED
DATE
BY
FED. ROAD DIST. NO. 9
STATE COLO.
FED. AID PROJ. NO.
SHEET NO.
TOTAL SHEETS
COLORADO STATE HIGHWAY DEPARTMENT
Right Of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet


C.R. Johnson
NW¼, Sec. 32
SEC. 30 T. 37 N. R. 16 W. N.M.P.M.
SEC. 29 T. 37 N. R. 16 W. N.M.P.M.
Cortez Land And Securities Co.
NE¼, Sec. 30
B. & N. Gardner
SE¼ SE¼, Sec. 19
Sta. 384+68
1978.1'
1398.6'
N 21°34' W
1435.6'
1475.5'
770'
784.2'
221.7'
230'
195.3'
711.3'
661.2'
N 17°03' W
1387.9'
Sta. 420+00
Sta. 340+00
Sta. 360+00
Sta. 380+00
Sta. 400+00
Imperial Securities Co.
S½ SW¼, Sec. 29
State Of Colorado
N½ SW¼, Sec. 29
J.W. Holmes
SW¼ NW¼, Sec. 29
State Of Colorado
H.F Morgan
NW¼ NW¼, Sec. 29
Δ 4°31' R
D 1°
T 226.8
L 451.2
P.C. Sta. 395+22.8
P.T. Sta. 399+74.8
SEC. 19 T. 37 N. R. 16 W. N.M.P.M.
Sec. 20 T. 37 N. R. 16 W. N.M.P.M.
George Parks
NE¼ SE¼, Sec. 19
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 269-D
Scale 1 inch = 300 Feet


FED. ROAD DIST. NO. 3
STATE COLO.
FED. AID PROJ. NO.
SHEET NO.
TOTAL SHEETS
PLAN
SURVEYED
PLOTTED
NOTE BOOK
ALIGNMENT CHECKED
RT. OF WAY CHECKED
NO.
BY
DATE
N
George Mc Neel
NE¼ Sec. 19
E.L. Koenig
SE¼, Sec. 18
Cortez Land And Securities Co.
NW¼, Sec. 18
Frank Mc Neel
W½ NE¼, Sec. 18
C.M. Darnell
SW¼, Sec. 7
SEC. 19 T. 37 N. R16 W. N.M.P.M.
SEC. 18 T. 37 N. R16 W. N.M.P.M.
SEC. 7 T. 37 N. R16 W. N.M.P.M.
60'
2735.0'
N. 17°03' W.
2760.1'
340.6'
2305.0'
2745.6'
60'
420+00
460+00
480+00
500+00
520+00
COLORADO STATE
HIGHWAY DEPARTMENT
Right Of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet
6


Georgia Spickert
E½ SE¼, Sec. 5
Cortez Land & Securities Co.
NE¼, Sec. 5, T. 36 N.
Cortez Land & Securities Co.
SE¼, Sec. 32, T. 37 N.
C.R. Johnson
NW¼, Sec. 32
Georgia Spickert
NW¼ SW¼, Sec. 4
Mary Harris
NE¼, Sec. 32
Pt 250+27.9
Pt 257+62.2
PC 242+82.9
240+00
260+00
280+00
300+00
320+00
N. 36° 24' W.
297.4'
31'
192.8'
232'
201.3'
N. 21° 34' W.
283.7.2'
84.9.2
197.8.1'
Δ 14° 50' R
D 1°
T 745.2
L 1483.2
SEC. 5 T. 36 N. R. 16 W. N.M.P.M.
SEC. 32 T. 37 N. R. 16 W. N.M.P.M.
North
Corrected
9.8
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet


Georgia Spickert
E½ SE¼, Sec. 5
Cortez Land & Securities Co.
NE¼, Sec 5, T. 36 N.
Cortez Land & Securities Co.
SE¼, Sec. 32, T. 37 N.
C.R. Johnson
NW¼, Sec 32
Mary Harris
NE¼, Sec 32
Georgia [illegible]
NW¼ SW., Sec 4
Section Line
North
SEC. 5 T. 36 N. R16 W. N.M.P.M.
SEC. 32 T. 37 N. R16 W. N.M.P.M.
P.I. 150+27.8
P.I. 257+95.2
P.C. 242+02.0
Δ 14° 50' R
D 1°
T 745.4
L 1483.2
N. 36° 24' W.
297.4'
182.2'
252'
2013.1'
N. 21° 34' W.
2837.2'
6492
9791
260+00
280+00
300+00
320+00
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet


Wm Bigman
NE¼ NE¼, Sec. 16
SEC. 16 T. 38 N. R16 W. N.M.P.M.
Δ 18° 43' L
D 2°
T 472'
L 955.4
465.1'
925.9'
N 17° 21' W
1965'
N 36° 24' W
7487'
2515'
N 36° 24' W
1636'
2974'
2407.00
Mescrow to State of Colorado
Zenas Crowe
SE¼, Sec. 9
Cortez Land & Securities Co.
NE¼, Sec. 9
Cortez Land & Securities Co.
NW¼, Sec. 9
SEC. 9 T. 38 N. R16 W. N.M.P.M.
SEC. 4 T. 37 N. R16 W. N.M.P.M.
Georgia Spickert
Cortez Land & Securities Co.
SW¼ SW¼, Sec. 4
Georgia Spickert
NW¼ SW¼, Sec 4
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 169-D
Scale 1 Inch = 300 Feet

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Right of Way Plans
Title Sheet

Project Number: FSA 4912-005
Project Location: US 491 at CR 25 (Lebanon Rd. Cortez)
M.P. 26.75 to M.P. 27.59

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-26-13	1.01 of 1.01	1.01

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

RIGHT OF WAY PLANS
FOR U.S. HIGHWAY 491 (Previously known as U.S. Highway 666)
BEING A DEPENDENT RESURVEY OF A PORTION OF
THE ORIGINAL RIGHT OF WAY LINES AS ESTABLISHED
UNDER FEDERAL AID PROJECTS NO. 269-D and F 666-2(1)
in Sections 22, 23, 26, and 27, T. 36 N., R. 16 W., N.M.P.M.
MONTEZUMA COUNTY

R.O.W. Length of Project = 0.84 Miles

SECTION CORNER
QUARTER, SIXTEENTH, AND SECTION CORNERS
1 SET EASEMENT MONUMENT
1 TEMPORARY EASEMENT POINT
2 RIGHT OF WAY MARKER
BLM MARKER
PROPERTY PIN
NOAA MARKER
QUARTER, SIXTEENTH, AND SECTION CORNERS
FED FEDERAL MONUMENT
WC WITNESS CORNER
BM BENCH MARK
USGS MARKER
LOCAL OR PLSS MONUMENT
SECONDARY CONTROL MONUMENT
ROW RIGHT OF WAY MARKER
A N 9.88 E 3.81 EL 0.00 PROJECT CONTROL MONUMENT
N 10.13 E 3.81 EL 0.00 DENSIFICATION CONTROL MONUMENT
N 10.38 E 3.81 EL 0.00 HIGH ACCURACY REFERENCE NETWORK CONTROL MONUMENT

PERMANENT, PROPERTY, SLOPE, & UTILITY EASEMENT LINE
TEMPORARY EASEMENT LINE (EXISTING)
PROPERTY BOUNDARY LINE (EXISTING AND PROPOSED)
ACCESS CONTROL LINE
BARRIER ACCESS CONTROL LINE
RIGHT OF WAY LINE
VARIES RIGHT OF WAY LINE (PROPOSED)
CITY LIMIT LINE (EXISTING)
COUNTY LINE (EXISTING)
QUARTER SECTION LINE
SECTION LINE
SIXTEENTH SECTION LINE
STATE LINE (EXISTING)
TOWNSHIP LINE (EXISTING)

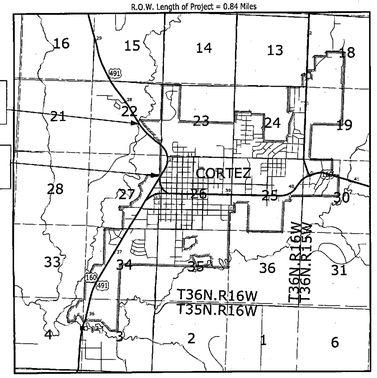
SURVEY/ROW

TOP OF CUT
TOE OF FILL

TERRAIN

Sta. 60+00 ~ End R.O.W. Retracement Projects FAP 269-D & F 666-2(1) M.P.: 27.59

Sta. 23+49.49 ~ Begin R.O.W. Retracement Projects FAP 269-D & F 666-2(1) M.P.: 26.75



PROJECT LOCATION MAP
0 0.5 1.0 2.0
Original Scale: 1"=1 Mile
Linear Units = U.S. Survey Feet

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006. Existing features are shown as screened weight (gray scale), except as noted with the word (existing). Proposed or new features are shown as full weight without screening, except as noted with the word (proposed).

SHEET NO. INDEX OF SHEETS

SHEET NO.	INDEX OF SHEETS
1.01	(1) Title Sheet
2.01-2.0X	(NA) Tabulation of Properties
3.01-3.07	(3) Project Control Diagram
4.01-4.04	(4) Land Survey Control Diagram
5.01	(1) Monumentation Sheets
6.01-6.0X	(NA) Tabulation of Road Approach Sheets
7.01-7.04	(4) Plan Sheets
	(16) Total Sheets

Scales of Original 11x17 Drawings
Plan Sheets 1"=100'

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N42°47'13"E from CM-MP 2704 to CM-MP 2748. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey based on the Colorado High Accuracy Reference Network (CHARN).

1. This Right-of-Way Plan is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.

2. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (ROW PLAN)

I, Randy N. Crumbaugh, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, research, calculations and evaluation of the survey evidence were performed and this Right-of-Way Plan was prepared under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 25938

COLORADO REGISTERED RANDY N. CRUMBAUGH 25938 PROFESSIONAL LAND SURVEYOR 12/30/13

12/27/2013 Stan_Vermilyea 10:51:11 PM D:\PROJECTS\22243401_US491_Lebanon_Road\4.0 Project Deliverables\13399\ROW_Survey\Drawings\13399SRV_PCD-Coord01.dgn

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Title Sheet

Project Number: FSA 4912-005
Project Location: US 491 at CR 25 (Lebanon Rd. Cortez)

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-27-13	3.01 of 3.07	3.01

SECTION CORNER
QUARTER, SIXTEENTH, AND SECTION CORNERS
1 SET EASEMENT MONUMENT
1 TEMPORARY EASEMENT POINT
2 RIGHT OF WAY MARKER
BLM MARKER
PROPERTY PIN
NOAA MARKER
QUARTER, SIXTEENTH, AND SECTION CORNERS
FED FEDERAL MONUMENT
WC WITNESS CORNER
BM BENCH MARK
USGS MARKER
LOCAL OR PLSS MONUMENT
SECONDARY CONTROL MONUMENT
ROW RIGHT OF WAY MARKER
A N 9.88 E 3.81 EL 0.00 PROJECT CONTROL MONUMENT
N 10.13 E 3.81 EL 0.00 DENSIFICATION CONTROL MONUMENT
N 10.38 E 3.81 EL 0.00 HIGH ACCURACY REFERENCE NETWORK CONTROL MONUMENT

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006.

Typical Control Monument Cap
Not to Scale

▲ CM-MP - Control Point Monuments set by CDOT. They are CDOT Type 2 monuments, a 3¼" dia. aluminum control monument cap (as shown) on a 3' x¾" dia. aluminum finned rod.

General Notes:

1. This Project Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.

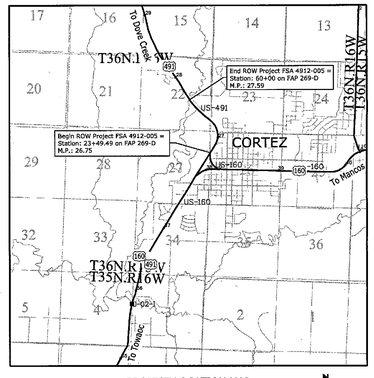
2. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

3. Refer to the M-629-1 Survey Monuments of the Standard Plans dated July, 2006 found in The Colorado Department of Transportation, M & S Standards for typical survey monument descriptions.

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

PROJECT CONTROL DIAGRAM

U.S. Highway 491 (previously known as Hwy 666)
MP 26.75 to MP 27.59
Sections 22,23, 26 and 27
Township 36 North, Range 16 West
of the New Mexico Principal Meridian
County of MONTEZUMA



PROJECT LOCATION MAP
0 2,640' 5,280' 10,560'
Linear Units = U.S. Survey Feet
1 Inch = 1 Mile

SHEET NO. INDEX OF SHEETS

SHEET NO.	INDEX OF SHEETS
3.01	(1) Title Sheet
3.02-3.03	(2) Coordinate Tables
3.04-3.07	(4) Plan Sheet
	(7) Total Sheets

COORDINATE INFORMATION

Geodetic coordinates NAD 83 were derived from GPS observations tied to HARN stations CEZC (monumented with a stainless steel rod in an aluminum access cover) and U397 (standard benchmark disk in rock outcrop) all NGS monuments. State Plane Coordinates are Colorado South Zone (NAD 83). Project Coordinates are modified State Plane Coordinates in U.S. Survey Feet.

Project Coordinates are modified State Plane Coordinates in US Survey Feet. To convert Project coordinates to State Plane Coordinates, convert Project Coordinates to meters, add the "Northing reduction" and "Easting Reduction". Then subtract the "Seed Point" northing and easting, divide by the "Ground Scale Factor", then add the "Seed Point" northing and easting.

PROJECT COORDINATE SUMMARY

Project Latitude: 37°22'01.16715"N
Project Longitude: 108°35'58.43742"W
Project Ellipsoid Height: 1831.743m
Project Elevation: 6073.879 US Survey Feet
Coordinate System: US State Plane (modified at ground)
Coordinate Zone: Colorado South 0503
Coordinate Datum: NAD83 (2007)
Ground Scale Factor: 1.00039894145
Northing Reduction: 299999.090m
Easting Reduction: 599999.976m
Seed Point Northing: 387080.089m
Seed Point Easting: 639892.219m

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N42°47'13"E from CM-MP 2704 to CM-MP 2748. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey base on the Colorado High Accuracy Reference Network (CHARN).

Basis of Elevations: Project elevations are based on a Control Monument #2656 on CDOT Project Number NH 1601-062, Project Code 18290 (3¼" Aluminum Cap set in concrete), having a NAVD 88 elevation of 6192.50 U.S. sft.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (PROJECT CONTROL DIAGRAM)

I, Stan Vermilyea, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 25381

COLORADO LICENSED STANLEY VERMILYEA 25381 12/27/13 PROFESSIONAL LAND SURVEYOR

12/27/2013 Stan_Vermilyea 11:40:18 PM D:\PROJECTS\22243401_US491_Lebanon_Road\4.0 Project Deliverables\13399\ROW_Survey\Drawings\13399SRV_PCD-Coord02.dgn

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Coordinate Tables

Project Number: 22243401
Project Location: U.S. Highway 491 M.P. 26.48 to 30.16
U.S. Highway 160 M.P. 37.70 to 38.04

Project Code	Last Mod. Date	Subset	Sheet No.
19399	11-27-13	3.02 of 3.07	3.02

▲ XX

GEODETIC COORDINATE TABLE

Point No.	Geodetic Coordinates NAD-83(07) (CHARN) Latitude(N)	Longitude(W)	Elip Height (NAVD88) (m)	Ortho Height (m)	Mapping Angle	Grid Scale Factor	NAD 83(2007) Zone 0503 SP Northing(m)	SP Easting(m)	Description
1004	37°21'46.89455"	-108°35'28.43910"	1834.254	1853.820	-1°53'45.94"	0.9999789911	386615.874	640615.382	CDOT Type 2 Control Monument
2648	37°20'54.85900"	-108°35'35.17679"	1868.203	1887.777	-1°53'50.07"	0.9999810817	385018.070	640396.570	CDOT Type 2 Control Monument
2656	37°20'59.68850"	-108°35'33.09623"	1867.905	1887.478	-1°53'48.80"	0.9999808850	385165.178	640452.676	CDOT Type 5 Control Monument
2687	37°21'14.44524"	-108°35'21.51057"	1857.552	1877.118	-1°53'41.69"	0.9999802874	385610.422	640752.700	CDOT Type 2 Control Monument
2704	37°21'23.47335"	-108°35'20.87599"	1845.495	1865.059	-1°53'41.30"	0.9999799243	385888.076	640777.511	CDOT Type 2 Control Monument
2722	37°21'31.34424"	-108°35'26.81563"	1831.129	1850.697	-1°53'44.94"	0.9999796093	386135.424	640639.450	CDOT Type 2 Control Monument
2748	37°21'38.61441"	-108°35'39.63568"	1826.141	1845.714	-1°53'52.81"	0.9999793196	386369.871	640331.566	CDOT Type 2 Control Monument
2800	37°22'01.16715"	-108°35'58.43742"	1831.743	1851.322	-1°54'04.34"	0.9999784287	387080.089	639892.219	CDOT Type 2 Control Monument
2853	37°22'22.08450"	-108°36'21.62503"	1854.514	1874.102	-1°54'18.56"	0.9999776130	387743.529	639343.427	CDOT Type 2 Control Monument
2864	37°22'28.04931"	-108°36'22.93663"	1855.823	1875.409	-1°54'19.37"	0.9999773823	387928.385	639317.289	CDOT Type 2 Control Monument
2875	37°22'33.19442"	-108°36'26.33417"	1860.260	1879.848	-1°54'21.45"	0.9999771839	388089.693	639239.020	CDOT Type 2 Control Monument
2901	37°22'46.62092"	-108°36'29.95850"	1870.311	1889.898	-1°54'23.67"	0.9999766692	388506.347	639163.673	3.25" Brass Cap in Concrete
2927	37°22'59.04401"	-108°36'36.42708"	1880.137	1899.724	-1°54'27.64"	0.9999761967	388894.415	639017.374	CDOT Type 2 Control Monument
2948	37°23'08.80136"	-108°36'38.74318"	1880.060	1899.645	-1°54'29.06"	0.9999758280	389196.948	638970.444	CDOT Type 2 Control Monument
2962	37°23'15.91811"	-108°36'42.16476"	1879.322	1898.907	-1°54'31.16"	0.9999755606	389419.027	638893.629	CDOT Type 2 Control Monument
2980	37°23'23.15911"	-108°36'50.00630"	1878.524	1898.110	-1°54'35.97"	0.9999752896	389648.558	638708.284	CDOT Type 2 Control Monument
3016	37°23'38.59535"	-108°37'04.02476"	1883.481	1903.068	-1°54'44.57"	0.9999747162	390135.668	638379.529	CDOT Type 2 Control Monument
3770	37°20'43.62828"	-108°35'44.29481"	1861.650	1881.230	-1°53'55.67"	0.9999815411	384679.468	640160.812	CDOT Type 2 Control Monument
3782	37°20'51.19953"	-108°35'38.33492"	1867.442	1887.018	-1°53'52.01"	0.9999812311	384907.890	640315.150	CDOT Type 5 Control Monument
3804	37°20'55.20611"	-108°35'26.62878"	1868.816	1888.386	-1°53'44.83"	0.9999810675	385021.802	640607.190	CDOT Type 5 Control Monument
0421	37°20'53.13260"	-108°29'54.74020"	1897.255	1916.660	-1°50'21.30"	0.9999811521	384691.731	648769.132	NGS Brass Cap set in Rock Stamped "U 397 1984"
9894	37°18'05.71208"	-108°37'40.75022"	1785.018	1804.655	-1°55'07.10"	0.9999883122	379909.370	637133.127	Steel Rod in NGS Logo Box Stamped "CEZ C 1995"

COLORADO LICENSED STANLEY VERMILYEA 25381 12/27/13 PROFESSIONAL LAND SURVEYOR

12/27/2013 Stan_Vermilyea 11:40:18 PM D:\PROJECTS\22243401_US491_Lebanon_Road\4.0 Project Deliverables\13399\ROW_Survey\Drawings\13399SRV_PCD-Coord02.dgn

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Coordinate Tables

Project Number: 22243401
Project Location: U.S. Highway 491 M.P. 26.48 to 30.16
U.S. Highway 160 M.P. 37.70 to 38.04

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-27-13	3.02 of 3.07	3.03

▲ XX

PROJECT COORDINATE TABLE

Point No.	Project Coordinates Northing(ft)	Easting(ft)	Elev(ft) (NAVD88)	Description
1004	284174.762	133253.110	6082.07	CDOT Type 2 Control Monument
2648	278931.017	132535.002	6193.48	CDOT Type 2 Control Monument
2656	279413.803	132719.134	6192.50	CDOT Type 5 Control Monument
2687	280875.025	133703.766	6158.51	CDOT Type 2 Control Monument
2704	281786.242	133785.192	6118.95	CDOT Type 2 Control Monument
2722	282598.000	133332.097	6071.83	CDOT Type 2 Control Monument
2748	283367.419	132321.669	6055.48	CDOT Type 2 Control Monument
2800	285698.244	130879.801	6073.88	CDOT Type 2 Control Monument
2853	287875.552	129078.750	6148.62	CDOT Type 2 Control Monument
2864	288482.220	128992.969	6152.90	CDOT Type 2 Control Monument
2875	289011.608	128736.103	6167.47	CDOT Type 2 Control Monument
2901	290379.002	128488.825	6200.44	3.25" Brass Cap In Concrete
2927	291652.581	128008.695	6232.68	CDOT Type 2 Control Monument
2948	292645.448	127854.678	6232.42	CDOT Type 2 Control Monument
2962	293374.277	127602.583	6230.00	CDOT Type 2 Control Monument
2980	294127.562	126994.309	6227.38	CDOT Type 2 Control Monument
3016	295726.181	125915.386	6243.65	CDOT Type 2 Control Monument
3770	277819.778	131761.281	6172.00	CDOT Type 2 Control Monument
3782	278569.423	132267.795	6190.99	CDOT Type 5 Control Monument
3804	278943.265	133226.225	6195.48	CDOT Type 5 Control Monument

COLORADO LICENSED STANLEY VERMILYEA 25381 12/27/13 PROFESSIONAL LAND SURVEYOR

Colorado Department of Transportation
DOT
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1419 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

0' 200' 400' 800'

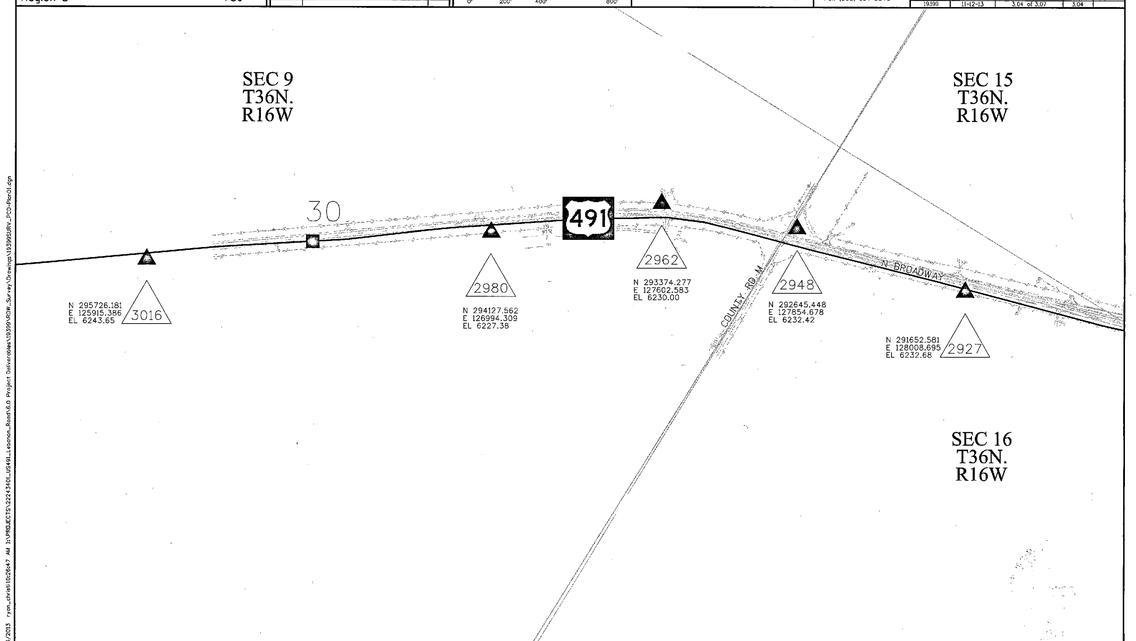
U.S. Highway 491 & U.S Highway 160
MP 26.75 to MP 27.59
Sections 9,10, 16, 15, 22,23, 26 and 27
Township 36 North, Range 16 West
of the New Mexico Principa Meridian
County of MONTEZUMA

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Plan Sheet

Project Number: 22243401
Project Location: U.S. Highway 491 M.P. 26.48 to 30.16
U.S. Highway 160 M.P. 37.70 to 38.04

Project Code	Last Mod. Date	Subset	Sheet No.
19399	11-12-13	3.04 of 3.07	3.04



Colorado Department of Transportation
DOT
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1419 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

0' 200' 400' 800'

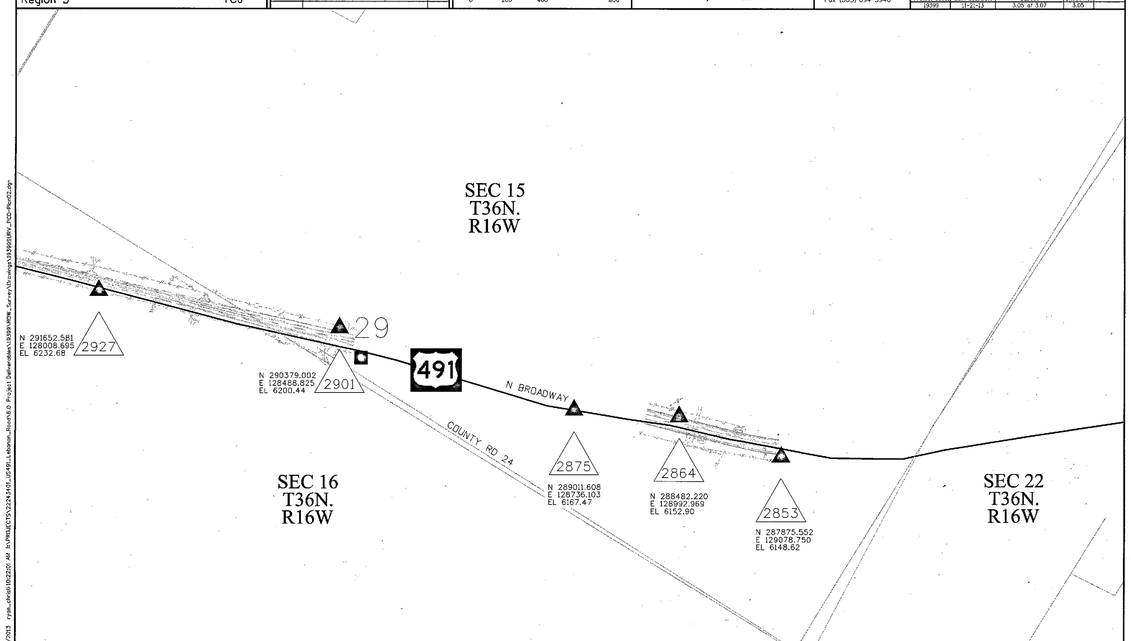
U.S. Highway 491 & U.S Highway 160
MP 26.75 to MP 27.59
Sections 9,10, 16, 15, 22,23, 26 and 27
Township 36 North, Range 16 West
of the New Mexico Principa Meridian
County of MONTEZUMA

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Plan Sheet

Project Number: 22243401
Project Location: U.S. Highway 491 M.P. 26.48 to 30.16
U.S. Highway 160 M.P. 37.70 to 38.04

Project Code	Last Mod. Date	Subset	Sheet No.
19399	11-12-13	3.05 of 3.07	3.05



COLORADO LICENSED PROFESSIONAL ENGINEER
25331
12/27/13
PROFESSIONAL LAND SURVEYOR

Colorado Department of Transportation
DOT
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1419 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

0' 200' 400' 800'

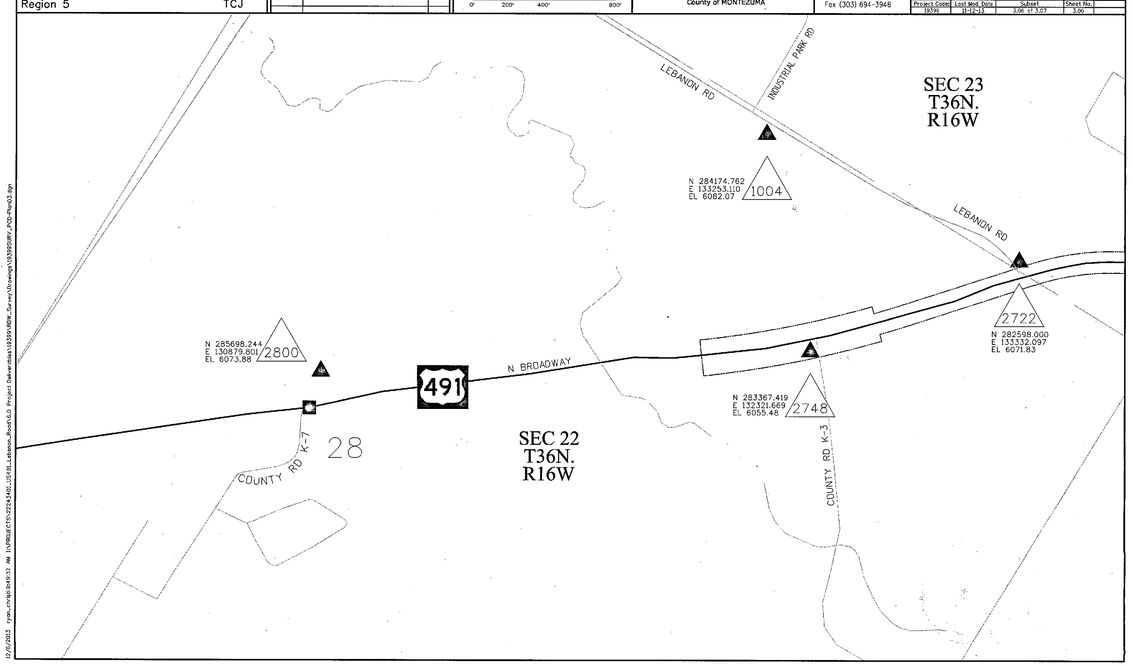
U.S. Highway 491 & U.S Highway 160
MP 26.75 to MP 27.59
Sections 9,10, 16, 15, 22,23, 26 and 27
Township 35 North, Range 16 West
of the New Mexico Principa Meridian
County of MONTEZUMA

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Plan Sheet

Project Number: 22243401
Project Location: U.S. Highway 491 M.P. 26.48 to 30.16
U.S. Highway 160 M.P. 37.70 to 38.04

Project Code	Last Mod. Date	Subset	Sheet No.
19399	11-12-13	3.06 of 3.07	3.06



Colorado Department of Transportation
DOT
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1419 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX

0' 200' 400' 800'

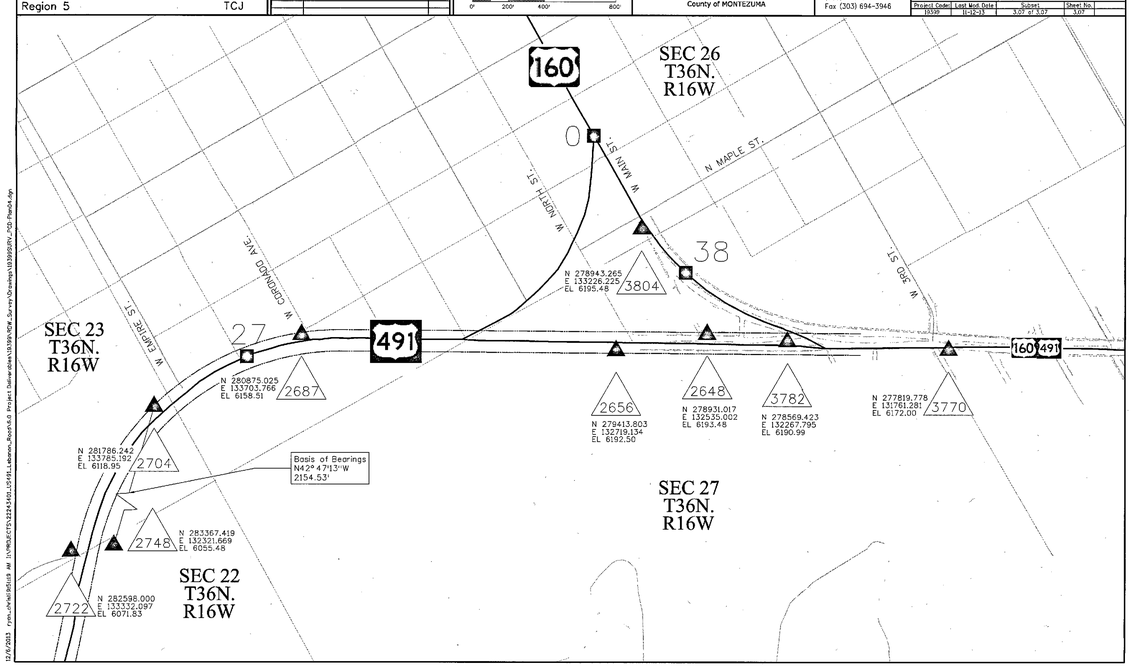
U.S. Highway 491 & U.S Highway 160
MP 26.75 to MP 27.59
Sections 9,10, 16, 15, 22,23, 26 and 27
Township 36 North, Range 16 West
of the New Mexico Principa Meridian
County of MONTEZUMA

URS
8181 East Tufts Avenue
Denver, CO 80237-2579
(303) 740-2600
Fax (303) 694-3946

Project Control Diagram
Plan Sheet

Project Number: 22243401
Project Location: U.S. Highway 491 M.P. 26.48 to 30.16
U.S. Highway 160 M.P. 37.70 to 38.04

Project Code	Last Mod. Date	Subset	Sheet No.
19399	11-12-13	3.07 of 3.07	3.07



Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX	mm/dd/yy	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Land Survey Control Diagram
Title Sheet

Project Code:	Last Mod. Date	Subset	Sheet No.
19399	12-26-13	4.01 of 4.03	4.01

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

LAND SURVEY CONTROL DIAGRAM

U.S. Highway 491 (previously known as Hwy 666)
MP 26.75 to MP 27.59
Sections 22,23, 26 and 27
Township 36 North, Range 16 West
of the New Mexico Principal Meridian
County of MONTEZUMA

SECTION CORNER
QUARTER, SIXTEENTH, AND SECTION CORNERS
SET EASEMENT MONUMENT
TEMPORARY EASEMENT POINT
RIGHT OF WAY MARKER
BLM BLM MARKER
PP PROPERTY PIN
NOAA NOAA MARKER
QUARTER, SIXTEENTH, AND SECTION CORNERS
FED FEDERAL MONUMENT
WC WITNESS CORNER
BM BENCH MARK
USGS USGS MARKER
LOCAL OR PLSS MONUMENT
SECONDARY CONTROL MONUMENT
ROW RIGHT OF WAY MARKER
N 9.88 E 3.81 EL 0.00 PROJECT CONTROL MONUMENT
N 10.13 E 3.81 EL 0.00 DENSIFICATION CONTROL MONUMENT
N 10.38 E 3.81 EL 0.00 HIGH ACCURACY REFERENCE NETWORK CONTROL MONUMENT

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication dated July 2006.

General Notes:

1. This Land Survey Control Diagram is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only. No determination has been made to determine if the found monuments as shown are in their proper position or if they are at the corners they are intended to monument.
2. Easements, rights, and restrictions of record were not researched and are not shown on this diagram. The verification of the physical evidence with relation to easements, rights of ways, property boundaries, and restrictions, as described in the instruments of record, were not included in this control survey.
3. The existing Colorado Department of Transportation Right of Way for this project was determined independently by found original FAP style monuments (reinforced concrete monument with bronze cap) as set on Project FAP 269-D in 1936. Additional Right of Way was acquired in the 1970's on Project F 666-2(1). Although no ROW monuments were found on the Right of Way as acquired on F 666-2(1), the Alignment and Right of Way established on F 666-2(1) were mathematically and physically tied to the older FAP 269-D project and thus was able to be located on the ground.

SHEET NO. INDEX OF SHEETS

4.01	(1) Title Sheet
4.02	(1) Coordinate Tables
4.03	(1) Plan Sheet
	(3) Total Sheets

COORDINATE INFORMATION
Geodetic coordinates NAD 83 were derived from GPS observations tied to HARN stations CEJC (monumented with a stainless steel rod in an aluminum access cover) and U397 (standard benchmark disk in rock outcrop) all NGS monuments. State Plane Coordinates are Colorado South Zone (NAD 83). Project Coordinates are modified State Plane Coordinates in U.S. Survey Feet.

To convert the Project Coordinates to State Plane Coordinates;
Convert the Project Coordinates to meters, add the "Northing Reduction" or " Easting Reduction", subtract the "Seed Point" northing or easting, divide by the "Ground Scale Factor" and add the"Seed Point" northing or easting.

PROJECT COORDINATE SUMMARY
Project Latitude: 37°22'01.16715"N
Project Longitude: 108°35'58.43742"W
Project Ellipsoid Height: 1831.743m
Project Elevation: 6073.879 US Survey Feet
Coordinate System: US State Plane (modified at ground)
Coordinate Zone: Colorado South 0503
Coordinate Datum: NAD 1983 (2007)
Ground Scale Factor: 1.0003084145
Northing Reduction: 299999.090m
Easting Reduction: 599999.979m
Seed Point Northing: 3870881.089m
Seed Point Easting: 639892.219m

Basis of Bearings: Bearings used in the calculations of coordinates are based on a grid bearing of N42°47'13"E from CM-MP 2704 to CM-MP 2748. Both monuments are CDOT Type II, marked appropriately for their milepost location and control position. The survey data was obtained from a Global Positioning System (GPS) survey base on the Colorado High Accuracy Reference Network (CHARN).

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (LAND SURVEY CONTROL DIAGRAM)

I, Randy N. Crumbaugh, a professional land surveyor licensed in the State of Colorado do hereby state to the Colorado Department of Transportation this Project Control Diagram was prepared and the field survey it represents was performed under my responsible charge and, based upon my knowledge, information and belief is in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 25938

RANDY N. CRUMBAUGH — COLORADO REGISTERED — 25938 — 12/30/13 — PROFESSIONAL LAND SURVEYOR

12/26/2013 randy_crumbaugh S:\PLS\T. M4 C:\Users\randy_crumbaugh\Desktop\19399_Lebanon Road\PLS\DL_0004_SET.dgn

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials
MM-DD-YY	XXXXXXXX	XXX	MM-DD-YY	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Land Survey Control Diagram
Monumentation Coordinate Tables

Project Number:	FSA 4912-005		
Project Location:	US 491 at CR 25 (Lebanon Rd.)		
	M.P. 26.75 to M.P. 27.59		
Project Code:	Last Mod. Date	Subset	Sheet No.
19399	12-19-13	4.02 of 4.03	4.02

FOUND ALIQUOT MONUMENT COORDINATE TABLE

Point No.	Northing (Ft)	Easting (Ft)	Description
504	281596.46	133226.43	Found 2" Alum. Cap on a 1/2" square Drill Steel - No markings - 1.5' below grade- Section Corner 22,23, 27,26
505	283584.73	133954.72	2.5" Alum Cap Marked : Livengood S 23, NW-SW 1/64 , 1998, PLS 29044
220 WC	283597.80	133320.18	2.5" Alum Cap Marked : Livengood - 22/23 S1/16, 1998, PLS 29044 (monument records shows WC 30.00')

PP

FOUND BOUNDARY MONUMENT COORDINATE TABLE (Non - Controlling)

Point No.	Northing (Ft.)	Easting (Ft.)	Description
208	283934.90	132073.97	2" Alum. Cap. ~ Wayne Lee - LS 20147
209	283924.90	132061.86	2" Alum. Cap ~ Wayne Lee ~ LS 20147
210	281589.18	133703.59	3/4" Yellow Plastic Cap - Maness - LS 19692
211	282538.77	133175.67	3/4" Yellow Plastic Cap - Maness - LS 19692
212	283175.26	132726.84	1.5" Alum. Cap - Crites - LS 16399
213	282244.03	133748.33	3/4" Orange Plastic Cap - Thomas - LS 6772
214	282810.72	133377.76	2" Alum. Cap. ~ WC 112.37' - Helmer ~ LS
215	283036.80	133274.06	1.5" Alum. Cap - Crites - LS 16399
216	282807.45	133267.52	2" Alum. Cap on Drill Steel ~ No Marks ~ 1.5' below grade
217	284251.21	133270.17	2" Alum. Cap ~ RP 43.93' - Livengood
218	284325.23	133343.39	3/4" Yellow Plastic Cap - Maness - LS 19692 (listed as RP on Monument Record)
219	282957.99	132013.58	1/2" Rebar - no cap

RANDY N. CRUMBAUGH — COLORADO REGISTERED — 25938 — 12/30/13 — PROFESSIONAL LAND SURVEYOR

ROW

FOUND R.O.W. MONUMENT COORDINATE TABLE (Controlling)

Point	Northing	Easting	Style
200	283822.73	131910.75	Original Concrete ROW Marker set on FAP 269-D @ Station 60+00 Lt. - Top broken off but overall in solid vertical position
201	283191.41	132709.08	Original Concrete ROW Marker set on FAP 269-D @ Station 50+00 Rt. - In Excellent Condition
202	283049.26	132568.69	Original Concrete ROW Marker set on FAP 269-D @ Station 50+00 Lt. - In Excellent Condition
203	282476.33	133244.69	Original Concrete ROW Marker set on FAP 269-D @ Station 41+18 Lt. - In Excellent Condition
205	278255.30	131992.74	Remains of Original Concrete ROW Marker set on FAP 269-D @ Station 0+00 - 0.7' below grade - top broken off - no cap
207	280224.62	133198.93	Remains of Original Concrete ROW Marker set on FAP 269-D @ Station 23+09 - 0.2' below grade - top broken off - no cap
207 WC	280220.31	133196.26	CDOT Type 1 ROW Marker marked 431 WC (to Point 207)- PLS 27274 - NH 1601-062
440	279424.77	132709.02	CDOT Type 1 ROW Marker marked as Point 440 - PLS 27274 - NH 1601-062

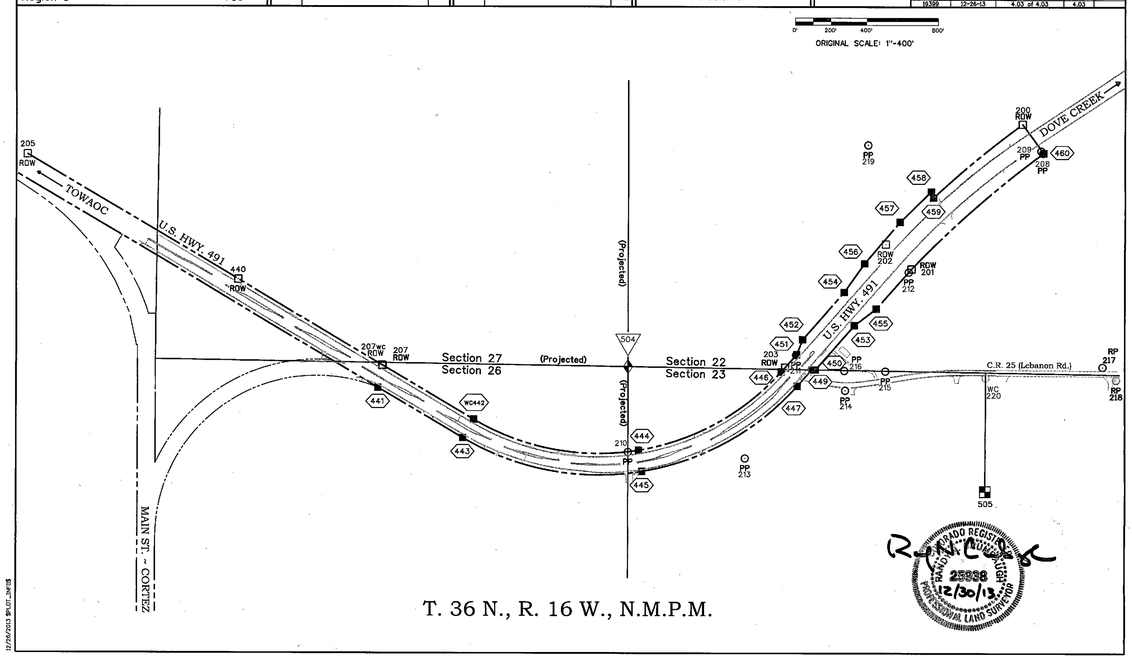
Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials
mm/dd/yy	XXXXXXXX	XXX	mm/dd/yy	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Right of Way Plans
Monumentation Sheet

Project Number:	FSA 4912-005		
Project Location:	US 491 at CR 25 (Lebanon Rd.)		
	M.P. 26.75 to M.P. 27.59		
Project Code:	Last Mod. Date	Subset	Sheet No.
19399	12-19-13	5.01 to 5.01	5.01



T. 36 N., R. 16 W., N.M.P.M.

RANDY N. CRUMBAUGH — COLORADO REGISTERED — 25938 — 12/30/13 — PROFESSIONAL LAND SURVEYOR

TABULATION OF R.O.W. MONUMENTS SET

XXX

Point No.	Northing	Easting	Description
441	280196.20	133322.22	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 18" Finned Rod - 30 penny nail set alongside finned rod under cap
442	280728.33	133507.42	Not Set - Falls on door step of building
442 WC	280702.70	133491.72	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - (30.00' Witness to Point No. 442)
443	280665.65	133609.75	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
444	281648.28	133694.43	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
445	281666.04	133813.13	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
446	282454.12	133267.54	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
447	282542.33	133348.90	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 18" Finned Rod - 30 penny nail set alongside finned rod under cap
449	282625.08	133259.18	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod- 30 penny nail set alongside finned rod under cap
450	282645.38	133259.83	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
451	282542.01	133173.31	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
452	282576.96	133090.11	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 18" Finned Rod - 30 penny nail set alongside finned rod under cap
453	282867.41	133016.87	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
454	282813.07	132831.74	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
455	282990.75	132926.38	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
456	282929.65	132674.53	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
457	283130.76	132445.59	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
458	283307.39	132277.66	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
459	283319.43	132311.86	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap
460	283939.25	132073.34	Set CDOT Type I Aluminum Cap Stamped PLS 25938 on 36" Finned Rod - 30 penny nail set alongside finned rod under cap

General Notes:

1. All centerline and offset stationing may not represent the centerline as constructed in the field.
2. Right of Way Markers set on this project by URS are CDOT Type 1 monuments, a 3.25" Aluminum Cap set on .75"x36" Aluminum Finned Rod, except as noted above.
3. This plan set is subject to change and may not be the most current set. It is the user's responsibility to verify with CDOT that this set is the most current. The information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named.

COORDINATE INFORMATION: Geodetic coordinates NAD 83 were derived from a Global Positioning System (GPS) survey tied to HARN stations CEJC (monumented with a stainless steel rod in an aluminum access cover) and U397 (standard benchmark disk in rock outcrop) all NGS monuments. State Plane Coordinates are Colorado South Zone (NAD 83). Project Coordinates are modified State Plane Coordinates in U.S. Survey Feet Coordinates are modified Colorado State Plane Coordinates in U.S. Survey Feet.

COORDINATE DATUM: Project coordinates are modified State Plane Coordinates. To convert Project coordinates to State Plane Coordinates, convert Project Coordinates to meters, add the "Northing reduction" and Easting Reduction". Then subtract the "Seed Point" northing and easting, divide by the "Ground Scale Factor", then add the "Seed Point" northing and easting.

Ground elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0003084145. The resulting project coordinates are truncated by 299999.090m in the Northing and 599999.976m in the Easting after converting from state plane coordinates to project coordinates. The CHAIN is based on the NAD '83 datum. Project Coordinates Northing US Survey Feet
= (State Plane Coordinate Northing * 1.0003084145 - 299999.090 M) * (3937/1200). Project Coordinates Easting US Survey Feet
= (State Plane Coordinate Easting * 1.0003084145 - 599999.976 M) * (3937/1200).

QUANTITY OF MONUMENTS TO BE SET

CAP TYPE	MONUMENT TYPE									
	1	1A	2	2A	3	3A	4	5	5(S)	6
REFERENCE										
ROW	19									
CONTROL										
ALIQUOT CORNER										
PERMANENT EASEMENT										
PROJECT POINTS										
WITNESS POST (REQUIRED)										

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover such defect. In no event may any action based upon any defect in this survey be commenced more than ten years from the date of the certification shown hereon.

SURVEYOR STATEMENT (R.O.W. MONUMENTS)

I, Randy N. Crumbaugh, a professional land surveyor licensed in the State of Colorado, do hereby state to the Colorado Department of Transportation that based upon my knowledge, information and belief, adequate research, calculations and evaluation of survey, evidence were performed and the Right-of-Way monuments depicted on this Right-of-Way Plan were set under my responsible charge in accordance with applicable standards of practice defined by Colorado Department of Transportation publications. This statement is not a guaranty or warranty, either expressed or implied.

PLS No. 25938

RANDY N. CRUMBAUGH — COLORADO REGISTERED — 25938 — 12/30/13 — PROFESSIONAL LAND SURVEYOR

12/26/2013 randy_crumbaugh S:\PLS\T. M4 C:\Users\randy_crumbaugh\Desktop\19399_Lebanon Road\PLS\DL_0005_SET.dgn

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Right of Way Plans
Plan Sheet
Project Number: FSA 4912-005
Project Location: US 491 at CR 25 (Lebanon Rd. Cortez)

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-26-13	7.00 of 7.04	7.00

ORIGINAL SCALE: 1"=100'

SECTION 27
SECTION 26

N 01° 46'53" E

STA. 23+49.49 ~ Begin R.O.W. Retracement
Projects FAP 269-D & F 666-2(1)

ALIGN. FAP 269-D
Δc =78° 48'00"
Tc =1176.70'
Lc =1970.20'
Rc =1432.54'

Δc =78° 48'00"
Tc =1127.42'
Lc =1887.68'
Rc =1372.54'

CB =N07° 54'48"W
CL =1742.39'
(Pnt 442 to 446)

25+00
30+00
35+00

ROW WC207
ROW 207
60'

N 31° 29'12" E
565.68' (207WC-442WC)

ROW as Acquired on FAP 269-D

STATE HWY. 491

PC 29+00.00 FAP 269-D

N 31° 29'12" E
30.00'

442 WC

442

60'

ROW as Acquired on FAP 269-D

ROW as Acquired on FAP 269-D

N 31° 29'12" E
1176.70'

S 31° 29'12" W
550.63'

ROW as Acquired on FAP 269-D

441

443

Δc =78° 48'00"
Tc =1225.99'
Lc =2052.72'
Rc =1492.54'

CB =S07° 54'48"E
CL =1894.72'
(Pnt 447 to 443)

RYAN T. COCKRELL
COLORADO REGISTERED
RANGE
25938
12/30/13
PROFESSIONAL LAND SURVEYOR

SECTION 26
T. 36 N., R. 16 W., N.M.P.M.

12/26/2013 $FLOT_DATE

RV=58.8133

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Right of Way Plans
Plan Sheet
Project Number: FSA 4912-005
Project Location: US 491 at CR 25 (Lebanon Rd. Cortez)

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-26-13	7.00 of 7.04	7.00

ORIGINAL SCALE : 1"=100'

35+00

ALIGN. FAP 269-D
Δc =78° 48'00"
Tc =1176.70'
Lc =1970.20'
Rc =1432.54'

Δc =78° 48'00"
Tc =1127.42'
Lc =1887.68'
Rc =1372.54'

CB =N07° 54'48"W
CL =1742.39'
(Pnt 442 to 446)

SECTION 22
SECTION 23

PT 48+70.20 BK of 269-D
40°-18'-00" Rt. of CR 666-2(1)
POE 41+18.00 on F 666-2(1)
(10.83' offset R.)

S 1° 49'25" W

PP 210

444

40+00

ROW as Acquired on FAP 269-D

N 67° 16'20" W
89.99'

452

350.00'
N 47° 34'36" W

N 45° 48'59" W
31.86'

446

ROW 203

96.98'
N 47° 22'59" W

PP 211

451

45+00

STATE HWY. 491

60'

445

ROW as Acquired on FAP 269-D

Δc =78° 48'00"
Tc =1225.99'
Lc =2052.72'
Rc =1492.54'

CB =S07° 54'48"E
CL =1894.72'
(Pnt 447 to 443)

1176.70'
N 47° 18'48" W

449

450

447

S 47° 34'36" E
329.13'

S 47° 18'48" E
122.05'

LEBANON RD.

PP 216

WC 214

SECTION 26 (Projected)
SECTION 23 (Projected)

Pl 40+76.70

RYAN T. COCKRELL
COLORADO REGISTERED
RANGE
25938
12/30/13
PROFESSIONAL LAND SURVEYOR

T. 36 N., R. 16 W., N.M.P.M.

12/26/2013 $FLOT_DATE

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Right of Way Plans
Plan Sheet
Project Number: FSA 4912-2-005
Project Location: US 491 at CR 25 (Lebanon Rd. Cortez)

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-26-13	7.04 of 7.04	7.04

T. 36 N., R. 16 W., N.M.P.M.

ORIGINAL SCALE: 1"=100'

ALIGN. FAP 269-D
Δc =14° 48'00"
Tc =744.14'
Lc =1480.00'
Rc =5729.58'

ALIGN. F 666-2(1)
Δc =10° 30'00"
Tc =350.99'
Lc =700.01'
Rc =3819.72'
θs =2° 15'00"
Ls = 300.00'
L.T. = 200.02'
S.T. = 100.01'

RYAN T. COCKRELL
COLORADO REGISTERED
RANGE
25938
12/30/13
PROFESSIONAL LAND SURVEYOR

SECTION 22
SECTION 23

S 1° 49'25" W

PT 48+70.20 BK of 269-D
40°-18'-00" Rt. of CR 666-2(1)
POE 41+18.00 on F 666-2(1)
(10.83' offset R.)

PP 210

444

ROW as Acquired on F 666-2(1)

ROW as Acquired on FAP 269-D

N 67° 16'20" W
89.99'

452

350.00'
N 47° 34'36" W

N 45° 48'59" W
31.86'

446

ROW 203

96.98'
N 47° 22'59" W

PP 211

451

STATE HWY. 491

445

ROW as Acquired on FAP 269-D

Δc =78° 48'00"
Tc =1225.99'
Lc =2052.72'
Rc =1492.54'

CB =S07° 54'48"E
CL =1894.72'
(Pnt 447 to 443)

1176.70'
N 47° 18'48" W

449

450

447

S 47° 34'36" E
329.13'

S 47° 18'48" E
122.05'

LEBANON RD.

PP 216

WC 214

SECTION 26 (Projected)
SECTION 23 (Projected)

Pl 40+76.70

Colorado Department of Transportation
3803 North Main Avenue
Suite 300
Durango, CO 81301
Phone: 970-385-1400 FAX: 970-385-1410
Region 5 TCJ

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

Sheet Revisions

Date mm/dd/yy	Description	Initials
	XXXXXXXX	XXX

URS
211 Rockpoint Drive
Durango, CO 81301
970-375-7767

Right of Way Plans
Plan Sheet
Project Number: FSA 4912-2-005
Project Location: US 491 at CR 25 (Lebanon Rd. Cortez)

Project Code	Last Mod. Date	Subset	Sheet No.
19399	12-26-13	7.04 of 7.04	7.04

ORIGINAL SCALE: 1"=100'

APPROX. STA. 60+00 End R.O.W. Retracement
Projects FAP 269-D & F 666-2(1)

Pl 54+97.70 F 666-2(1)
Pl 55+49.10 FAP 269-D

Δc =6° 19'40"
Tc =322.25'
Lc =643.84
Rc =5829.58'

CB =N38° 33'12"W
CL =643.49'

ROW as Acquired on FAP 269-D

ROW 200

60+00

65+00

55+00

50+00

N 70° 23'23" E
35.99'

458

ROW as Acquired on F 666-2(1)

457

243.70'
N 43° 33'16" W

459

304.72'
N 48° 42'05" W

ROW 202

N 32° 30'48" W - FAP 269-D

STATE HWY. 491

N 32° 34'36" W - F 666-2(1)

N 47° 34'36" W - F 666-2(1)

ROW as Acquired on FAP 269-D

Δc =10° 00'09"
Tc =492.65'
Lc =982.80'
Rc =5629.58'

CB =S40° 22'06"E
CL =981.54'

PP 208

PC 208

460

212

ROW 201

295.78'
S 47° 16'40" E

SC 51+44.70 F 666-2(1)

CS 58+44.71 F 666-2(1)

ST 61+44.71 F 666-2(1)

PT 62+84.95 FAP 269-D

ALIGN. FAP 269-D
Δc =14° 48'00"
Tc =744.14'
Lc =1480.00'
Rc =5729.58'

ALIGN. F 666-2(1)
Δc =10° 30'00"
Tc =350.99'
Lc =700.01'
Rc =3819.72'
θs =2° 15'00"
Ls = 300.00'
L.T. = 200.02'
S.T. = 100.01'

RYAN T. COCKRELL
COLORADO REGISTERED
RANGE
25938
12/30/13
PROFESSIONAL LAND SURVEYOR

SECTION 22
T. 36 N., R. 16 W., N.M.P.M.

12/26/2013 $FLOT_DATE

COLORADO
Department of Transportation

DOCUMENT SEPARATOR SHEET

REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.

r500001502

Description:
ROW Plans 24X36

Route # and Mile Points:
US 666

Originating Office:

ROW/Survey

File Name:
F.A.P. 269-D_ROW(.PDF)

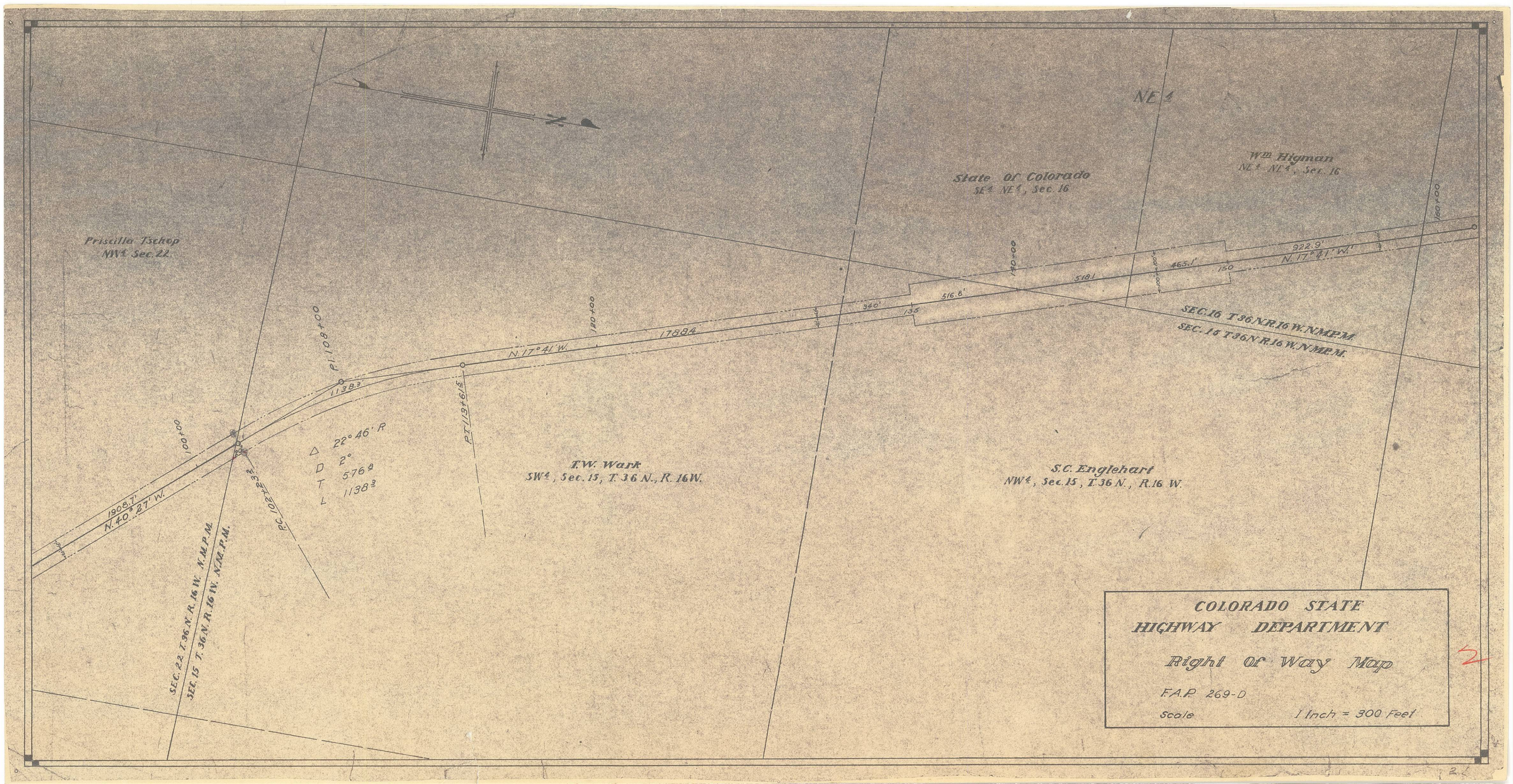
Box Location:

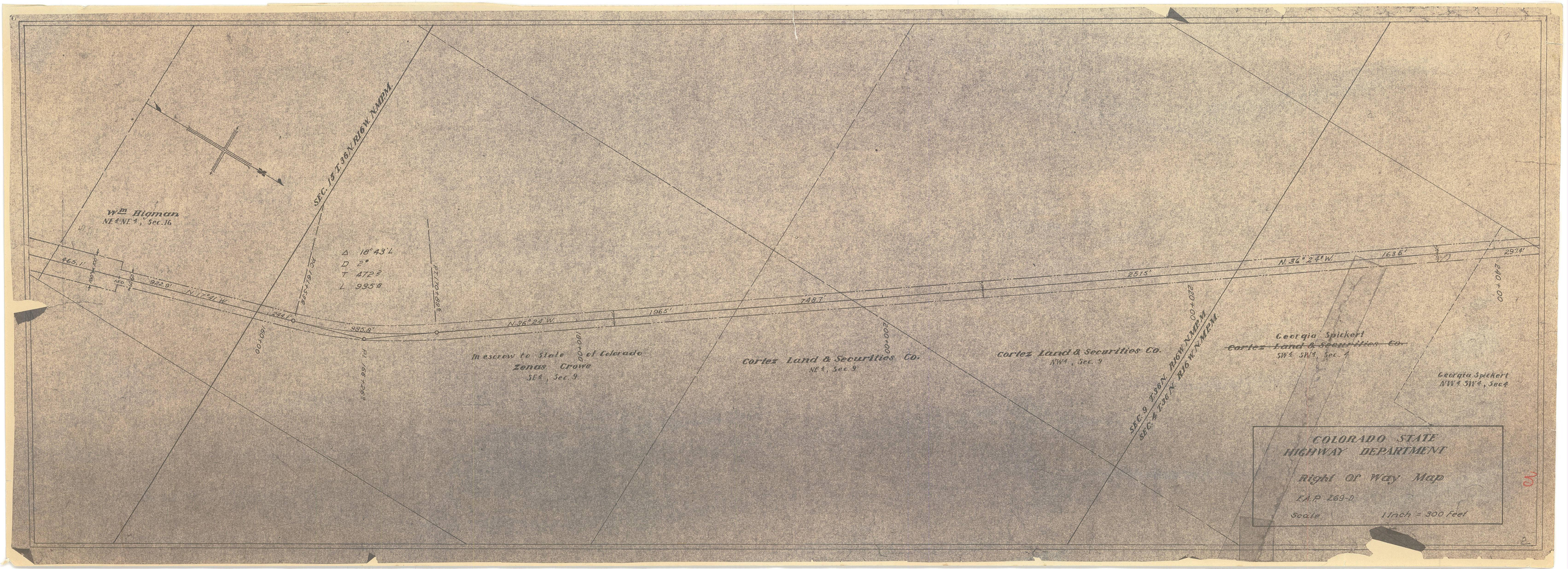
Loose (TUBE-1)of 38

For assistance, or to request changes to this form,
please email helpdesk@msimaging.com.

MOUNTAIN STATES IMAGING

FAP 269-D


NE¼
Priscilla Tschop
NW¼ Sec. 22.
State of Colorado
SE¼ NE¼, Sec. 16
Wm. Higman
NE¼ NE¼, Sec. 16
T.W. Wark
SW¼, Sec. 15, T. 36 N., R. 16W.
S.C. Englehart
NW¼, Sec. 15, T. 36 N., R. 16 W.
SEC. 16 T.36N.R.16 W.N.M.P.M.
SEC. 15 T.36N.R.16 W.N.M.P.M.
SEC. 22 T.36 N. R. 16 W. N.M.P.M.
SEC. 15 T. 36 N. R. 16 W. N.M.P.M.
PI 108+00
PT 113+61.5
PC 102+23.2
100+00
120+00
140+00
160+00
1138.3
1788.4
N. 17° 41' W.
516.8'
340'
135
518.1
463.1'
150
922.9'
N. 17° 41' W.
1908.7'
N. 40° 27' W.
Δ 22° 46' R
D 2°
T 576.8
L 1138.3
COLORADO STATE
HIGHWAY DEPARTMENT
Right of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 Feet
2


Wm Higman
NE¼NE¼, Sec. 16
SEC. 15 T 36N. R16 W. N.M.P.M.
Δ 18° 43' L
D 2°
T 472.2
L 935.8
665.1'
922.9'
N. 17° 41' W.
244.1'
935.8'
N. 36° 24' W.
1965'
748.7'
2515'
1635'
297.4'
240+00
210+00
180+00
160+00
140+00
120+00
100+00
In escrow to State of Colorado
Zenas Crowe
SE¼, Sec. 9
Cortez Land & Securities Co.
NE¼, Sec. 9
Cortez Land & Securities Co.
NW¼, Sec. 9
SEC. 9 T 36N. R16 W.N.M.P.M.
SEC. 4 T 36N. R16 W.N.M.P.M.
Georgia Spickert
~~Cortez Land & Securities Co.~~
SW¼ SW¼, Sec. 4
Georgia Spickert
NW¼ SW¼, Sec. 4
COLORADO STATE
HIGHWAY DEPARTMENT
Right Of Way Map
F.A.P. 269-D
Scale 1 Inch = 300 feet