

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F 013-1(6)	1	

# COLORADO DEPARTMENT OF HIGHWAYS

## PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. F 013-1(6) STATE HIGHWAY NO. 102 ADAMS & ARAPAHOE COUNTIES

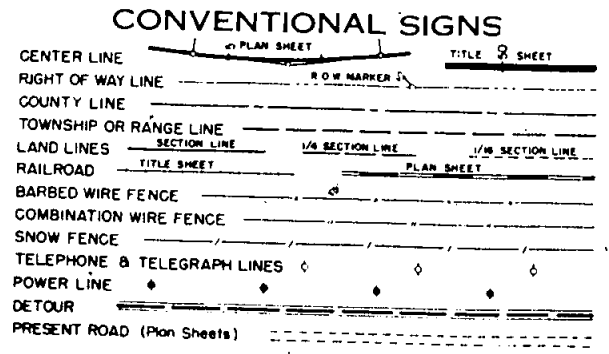
REVISIONS		
7-25-60	Old Proj. No.	FCM

RIGHT OF WAY  
STRASBURG-EAST

INDEX OF SHEETS

SHEET NO. \_\_\_\_\_

1 = TITLE SHEET  
2 = TABULATION OF PROPERTIES  
3-12 = PLAN AND PROFILE SHEETS SHOWING RIGHT OF WAY  
13-15 = OWNERSHIP MAP

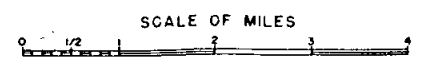
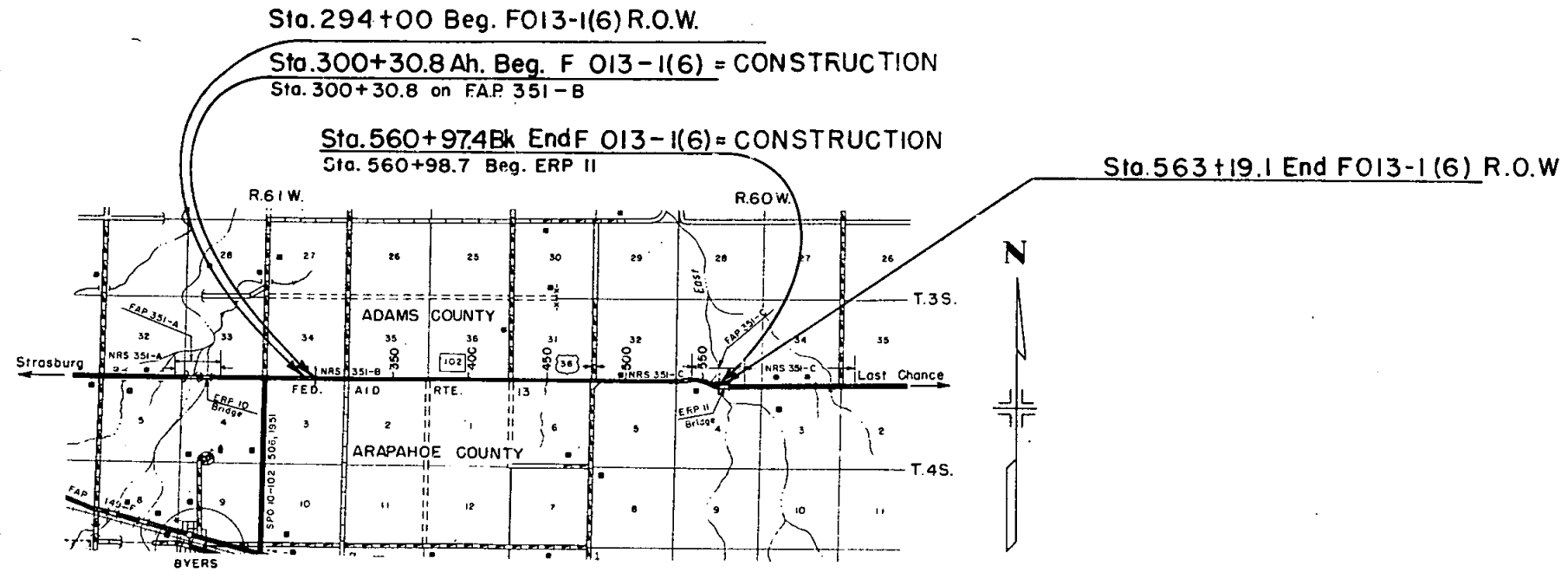


SCALES OF ORIGINAL DRAWINGS

ON PLAN 1 IN = 100 FT  
ON PROFILE 1 IN = 100 FT HORIZONTAL  
1 IN = 10 FT VERTICAL

GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD  
GROSS LENGTH OF PROJECT  
NET LENGTH OF PROJECT

### RIGHT OF WAY



R.O.W. TABULATION OF PROPERTIES IN ADAMS & ARAPAHOE COUNTY S.H.No. 102 PROJ. F 013-1(6)

FEDERAL ROAD DIVISION NO.	DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F 013-1(6)	2	

RIGHT OF WAY- STRASBURG - EAST

PARCEL NO.	OWNER	ADDRESS	LOCATION	AREA IN ACRES				REMARKS	REVISIONS		
				TOTAL LAND IN TRACT	PARCEL	TO BE ACQUIRED	REMAINDER		7-13-60	3Rev <sup>2</sup>	FCM
			ARAPAHOE COUNTY								
			T. 4 S., R. 61 W.								
1	Stephen & Marie J. Biskup J.T.	Breeze Basin, Craig, Colo.	N.E.1/4 Sec. 3	320±	4.746	1.618	315.254±				1
2	Albert R. & Lucille M. Hanlon J.T.	Byers, Colo.	N.1/2 Sec. 2	120±	7.820	3.179	112.180±				2
3Rev <sup>2</sup>	Lula Doss	388 N. Washington, Lebanon, Missouri	N.E.1/4 Sec. 2	117±	2.277	0.759	117.723±				3Rev <sup>2</sup>
4Rev	Albert C. Boss	Box 182, Byers, Colo.	N.1/2 Sec. 1	640±	9.492	3.305	630.508±				4Rev
			T. 4 S., R. 60 W.								
5Rev	Mary Beulah Zache	Mount Vernon, Iowa	N.W.1/4 Sec. 6	160±	5.389	2.294	154.611±				5Rev
6	Herman & Pearl V. Bitzer	Box 186, Byers, Colo.	N.E.1/4 Sec. 6	160±	5.898	2.780	154.102±				6
7	Francis Wilard Hubbs	200 So. Dexter, Denver, Colo.	N.1/2 Sec. 5	320±	11.106	4.806	308.894±				7
8	Flader Industries Inc.	3975 York St., Denver, Colo.	N.W.1/4 Sec. 4	640±	1.755	1.170	635.652±				8
8-A	Flader Industries Inc.	3975 York St., Denver, Colo.	N.W.1/4 Sec. 4	See #8	2.593	1.855	See #8				8-A
			ADAMS COUNTY								
			T. 3 S., R. 61 W.								
9	Betty J. & Sherman L. Caldwell	Byers, Colo.	S.1/2 Sec. 34	320±	5.765	1.922	314.235±				9
10	Joseph K. & Lucille E. Turecek	Byers, Colo.	S.1/2 Sec. 35	320±	10.093	3.934	309.907±				10
11Rev	Burton & Fern Paine	Byers, Colo.	S.W.1/4 Sec. 36	320±	4.545	1.515	315.455±				11Rev
12	Burton Paine	Byers, Colo.	S.E.1/4 Sec. 36	320±	4.732	1.616	315.268±				12
			T. 3 S., R. 60 W.								
13	Herman & Pearl V. Bitzer	Box 186, Byers, Colo.	S.1/2, Sec. 31	320±	10.553	4.317	309.447±				13
14	Herman & Pearl V. Bitzer	Box 186, Byers, Colo.	SW1/4, W1/2 of E1/2 Sec. 32	319.39±	8.546	3.778	310.844±				14
E-1	Herman & Pearl V. Bitzer	Box 186, Byers, Colo.	S.W.1/4, Sec. 32		0.184	0.184				Temporary Easement	E-1
15	Richard L. Jefferies	Byers, Colo.	E1/2, E1/2 Sec. 32	160±	2.395	0.863	157.605±				15
16	Flader Industries Inc.	3975 York St. Denver, Colo.	S.W.1/4 Sec. 33	637.23±	5.235	0.751	631.965±				16

N.E. 1/4, Sec. 4  
T. 4 S., R. 61 W.

SW. 1/4, Sec. 34  
T. 3 S., R. 61 W.

FILE ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013-1(6)	3	

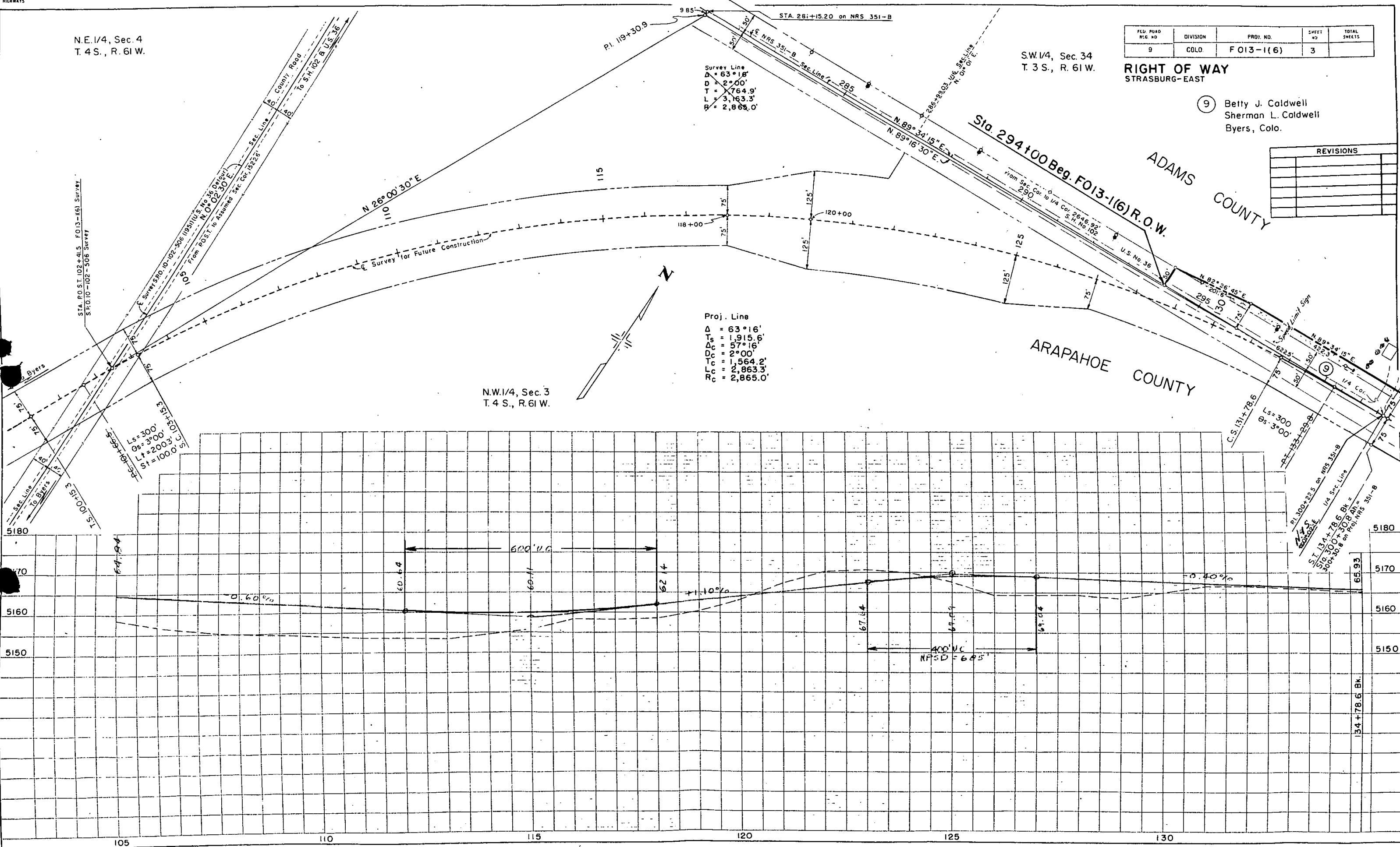
**RIGHT OF WAY  
STRASBURG-EAST**

9 Betty J. Caldwell  
Sherman L. Caldwell  
Byers, Colo.

REVISIONS	

DATE  
10/22/22  
BY  
10/22/22  
CHECKED  
10/22/22

DATE  
10/22/22  
BY  
10/22/22  
CHECKED  
10/22/22



105

110

115

120

125

130

5180

5170

5160

5150

134+78.6 BK.

134+78.6 BK.

134+78.6 BK.

134+78.6 BK.

134+78.6 BK.

134+78.6 BK.

134+78.6 BK.

SE 1/4, Sec. 34  
T 3 S, R 61 W

9 Betty J. Caldwell  
Sherman L. Caldwell  
Byers, Colo.

REVISIONS	

RIGHT OF WAY STRASBURG-EAST				
FED. ROAD R.L.C. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013 - 1 (6)	4	

Sta. 300+30.8Ah. Beg. F 013-1(6)=CONSTRUCTION  
300+30.8 on NRS 351-B

ADAMS COUNTY

SW 1/4, Sec. 35  
T 3 S, R 61 W

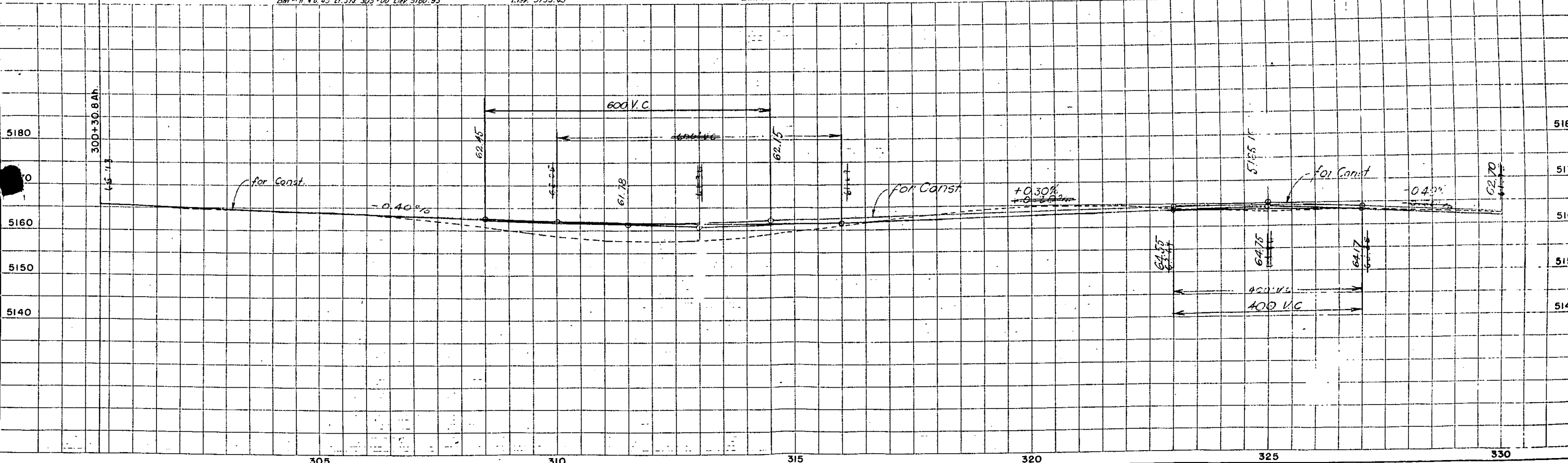
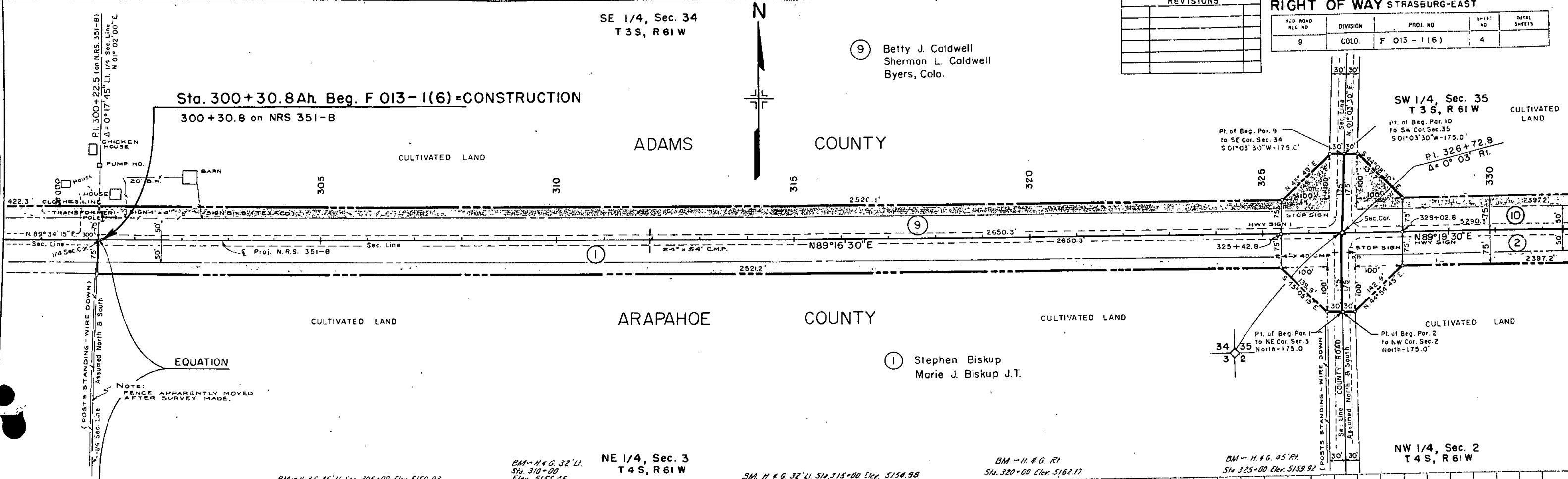
ARAPAHOE COUNTY

1 Stephen Biskup  
Marie J. Biskup J.T.

NW 1/4, Sec. 2  
T 4 S, R 61 W

NOTED  
NO. 22170  
PI. OF ANY CHECKED  
NO. 22171

NOTED  
NO. 22172  
STRUCTURE NOT RE-CHECKED



S.W. 1/4, Sec. 35  
T 3 S, R 61 W

REVISIONS	

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013 - 1(6)	5	

RIGHT OF WAY STRASBURG-EAST

S.E. 1/4, Sec. 35  
T. 3 S., R. 61 W.

ADAMS COUNTY

CULTIVATED LAND

ARAPAHOE COUNTY

CULTIVATED LAND

CULTIVATED LAND

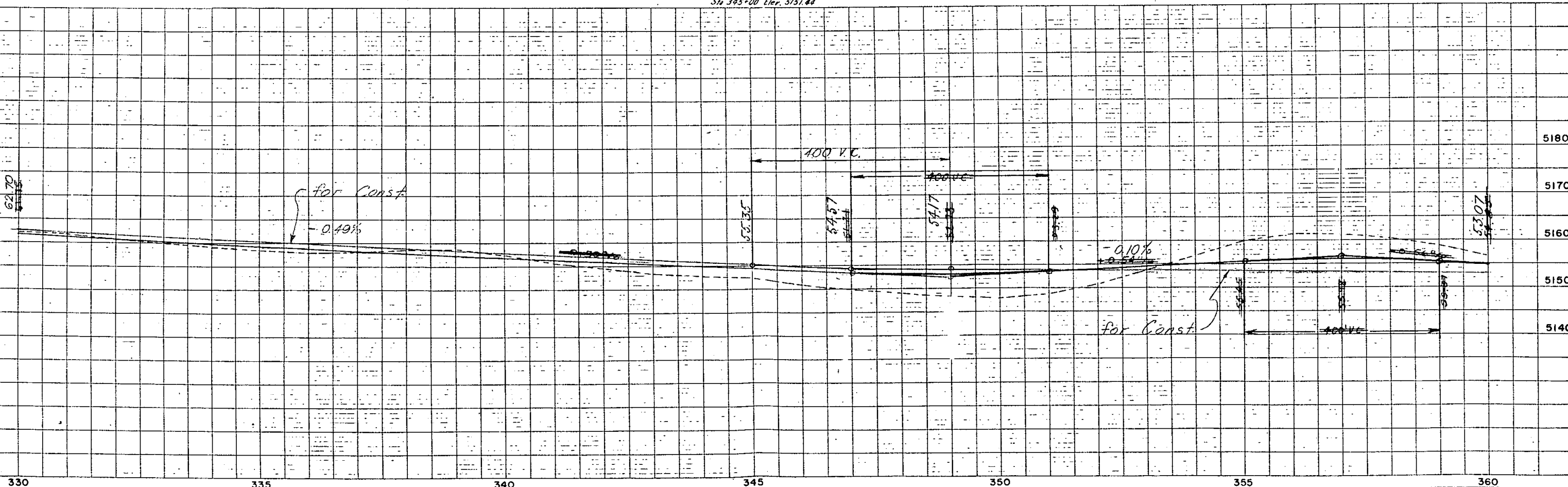
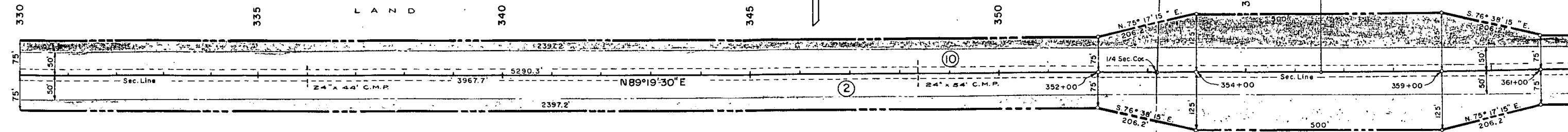
N.W. 1/4, Sec. 2  
T 4 S, R 61 W

BM - H. & G. 45' RI.  
Sta 345+00 Elev. 5151.44

NE. 1/4, Sec. 2  
T. 4 S., R. 61 W.

⑩ Joseph K. Turecek  
Lucille E. Turecek  
Byers, Colo.

② Albert R. Hanlon  
Lucille M. Hanlon J.T.



PLAN  
 SURVEYED  
 PLOTTED  
 ALIGNED CHECKED  
 BY OF WAY CHECKED  
 NO. 22/27

PROFILE  
 SURVEYED  
 PLOTTED  
 GRADES CHECKED  
 STRUCTURE CHECKED  
 NO. 22/22

SE 1/4, Sec. 35  
T 3 S, R 61 W

SW 1/4, Sec. 36  
T 3 S, R 61 W

⑩ Joseph K. Turecek  
Lucille E. Turecek  
Byers, Colo.

⑪ Burton Paine  
Rev. Fern Paine  
Byers, Colo.

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013 - 1(6)	6	

RIGHT OF WAY STRASBURG-EAST		
REVISIONS		
DATE	BY	DESCRIPTION
7-13-60		3 Rev. 2

CULTIVATED LAND

ADAMS COUNTY

CULTIVATED LAND

CULTIVATED LAND

ARAPAHOE COUNTY

CULTIVATED LAND

② Albert R. Hanlon  
Lucille M. Hanlon J.T.

③ Lula Doss  
Rev. 2

④ Albert C. Boss  
Rev.

NE 1/4, Sec. 2  
T 4 S, R 61 W

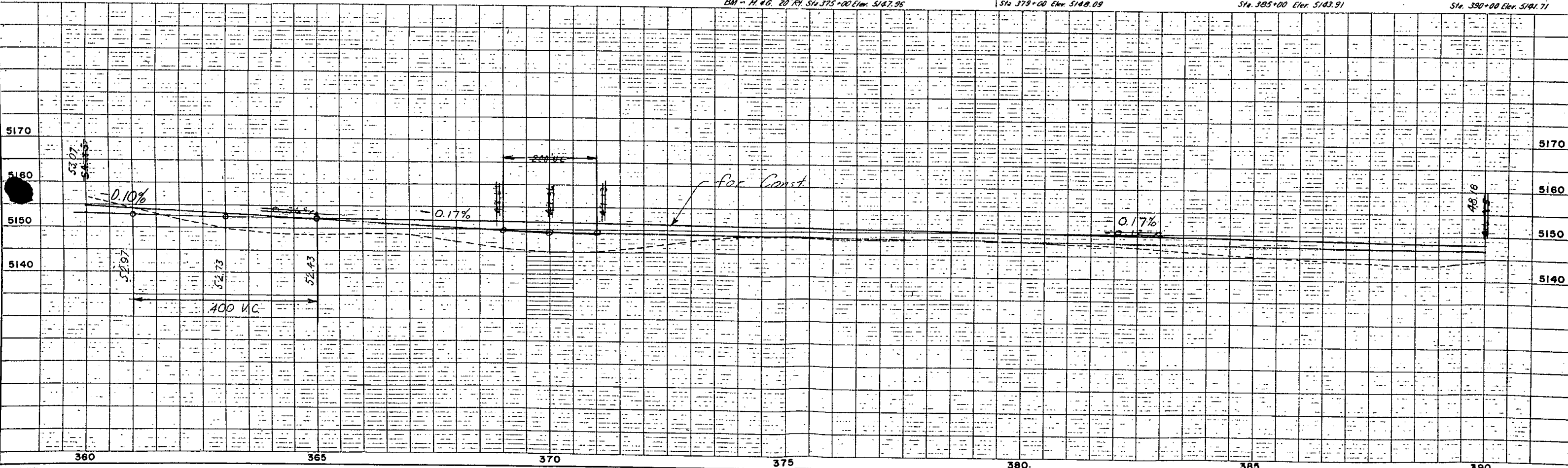
NW 1/4, Sec. 1  
T 4 S, R 61 W

BM - H. & G. 20' RI. Sta. 375+00 Elev. 5147.96

BM - H. & G. 30' RI. Sta. 379+00 Elev. 5148.09

BM - H. & G. 23' RI. Sta. 385+00 Elev. 5143.91

BM - H. & G. 21' RI. Sta. 390+00 Elev. 5141.71



for Const.

400 VC

RAVINE

-0.10%

+0.17%

+0.17%

48.6

360 365 370 375 380 385 390

5170  
5160  
5150  
5140

5170  
5160  
5150  
5140

NOTE BOOK  
NO. 22727  
PLANNING CHECKED  
DATE 2/27/77  
BY J. W. HANLON

NOTE BOOK  
NO. 22727  
CONSTRUCTION CHECKED  
DATE 2/27/77  
BY J. W. HANLON

METZGER PERCA

S.W. 1/4, Sec. 36  
T. 3 S., R. 61 W.

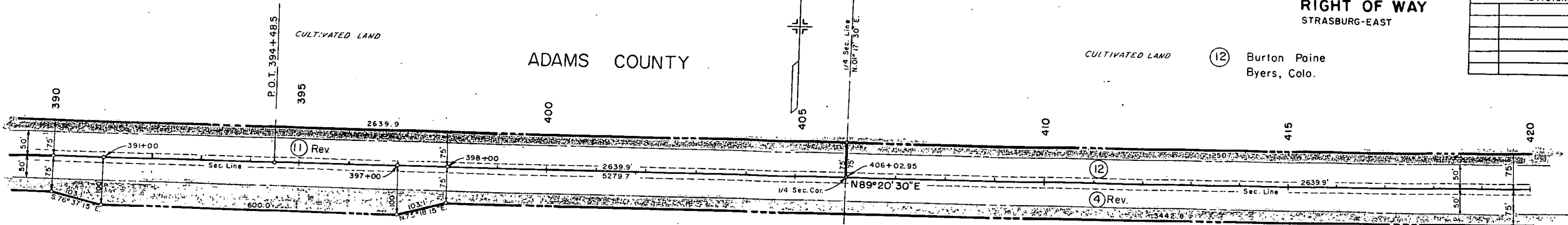
⑪ Burton Paine  
Rev. Fern Paine  
Byers, Colo.

S.E. 1/4, Sec. 36  
T. 3 S., R. 61 W.

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013-1(6)	7	

RIGHT OF WAY  
STRASBURG-EAST

REVISIONS	



N.W. 1/4, Sec. 1  
T. 4 S., R. 61 W.

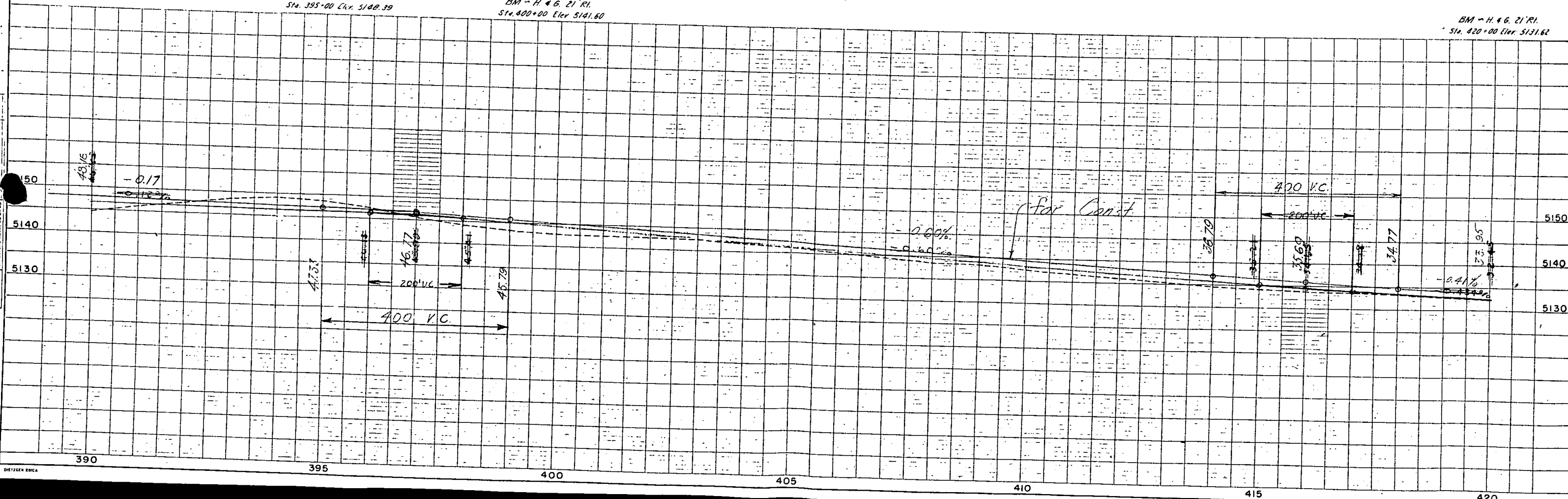
④ Albert C. Boss  
Rev.

N.E. 1/4, Sec. 1  
T. 4 S., R. 61 W.

BM - H. & G. 31' RI.  
Sta. 395+00 Elev. 5140.39

BM - H. & G. 21' RI.  
Sta. 400+00 Elev. 5141.60

BM - H. & G. 21' RI.  
Sta. 420+00 Elev. 5131.62



PLAN  
SURVEYED  
PLOTTED  
22/20  
ALIGNED CHECKED  
NO. 22121

PROFILE  
SURVEYED  
PLOTTED  
22/22  
CHECKED  
NO. 22122

SE 1/4, Sec. 36  
T.3 S., R. 61 W.

SW 1/4, Sec. 31  
T.3 S., R. 60 W.

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013-1(6)	8	

**RIGHT OF WAY**  
STRASBURG-EAST

REVISIONS	

12 Burton Paine  
Byers, Colo.

13 Herman Bitzer  
Pearl V. Bitzer  
Box 186,  
Byers, Colo.

4 Albert C. Boss  
Rev.

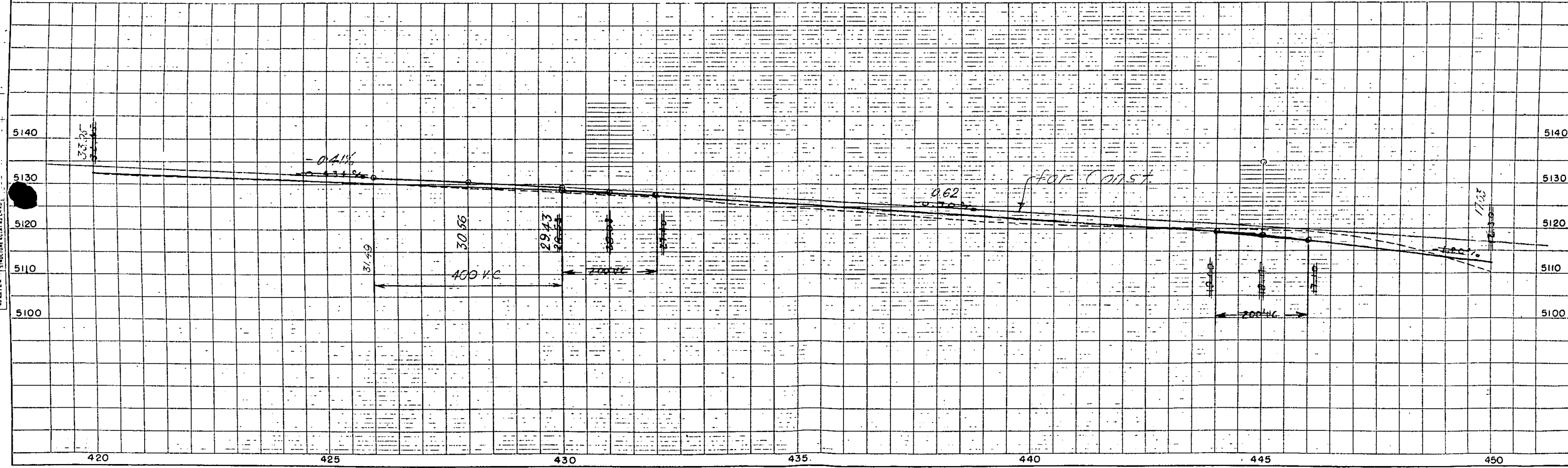
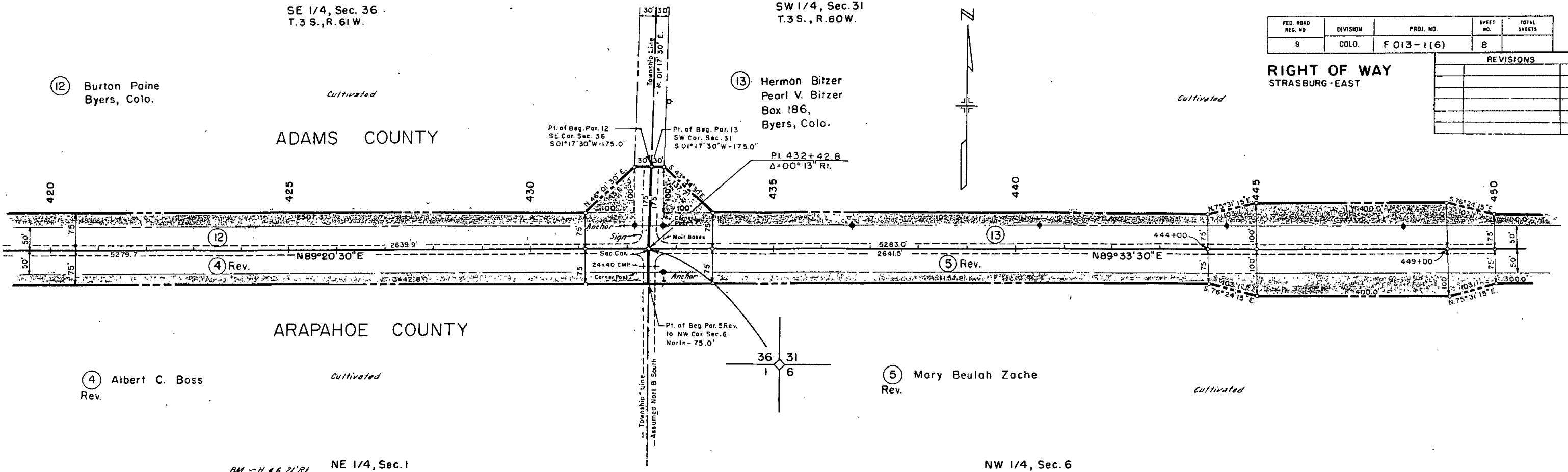
5 Mary Beulah Zache  
Rev.

ADAMS COUNTY

ARAPAHOE COUNTY

NE 1/4, Sec. 1  
T.4 S., R. 61 W.  
BM. - H. 46. 21' R1.  
Sta 425+00 Elev. 5129.75

NW 1/4, Sec. 6  
T.4 S., R. 60 W.



SURVEYED  
 PLAN  
 FILE BOOK  
 22720  
 RT. OF WAY CHECKED  
 NO 22722

PLOTTED  
 CHANGES CHECKED  
 FILE BOOK  
 22722  
 STRUCTURE ELEVATIONS CHECKED  
 NO 22722

S.W. 1/4, Sec. 31  
T. 3 S., R. 60 W.

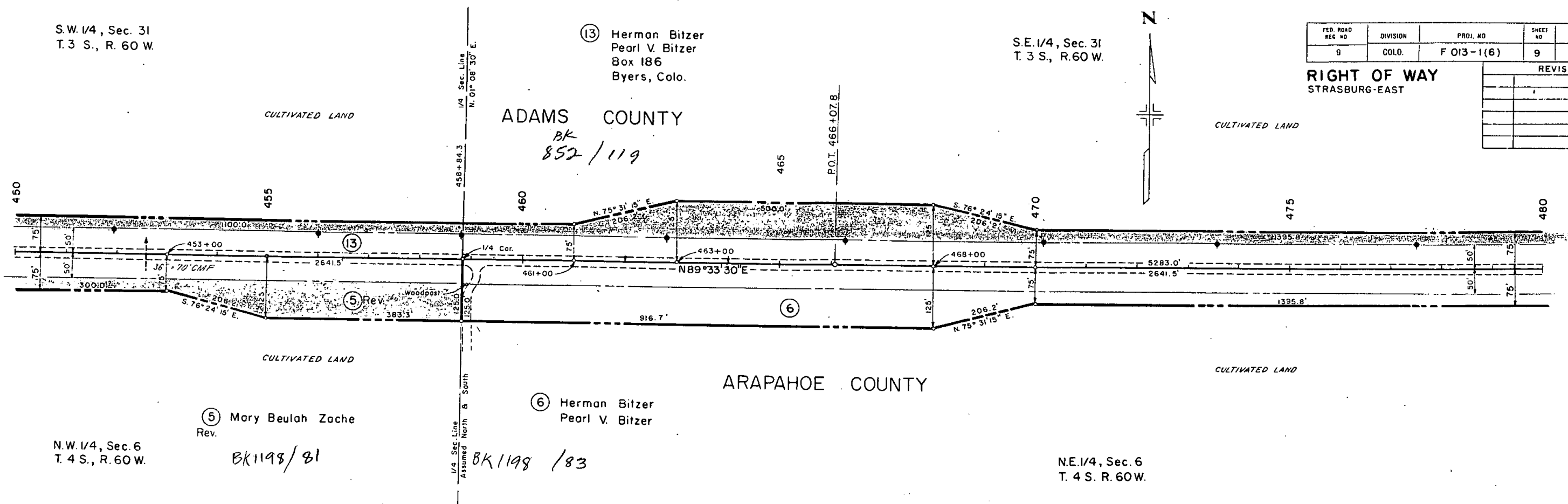
⑬ Herman Bitzer  
Pearl V. Bitzer  
Box 186  
Byers, Colo.

S.E. 1/4, Sec. 31  
T. 3 S., R. 60 W.

FED. ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013-1(6)	9	

RIGHT OF WAY  
STRASBURG-EAST

REVISIONS	



N.W. 1/4, Sec. 6  
T. 4 S., R. 60 W.

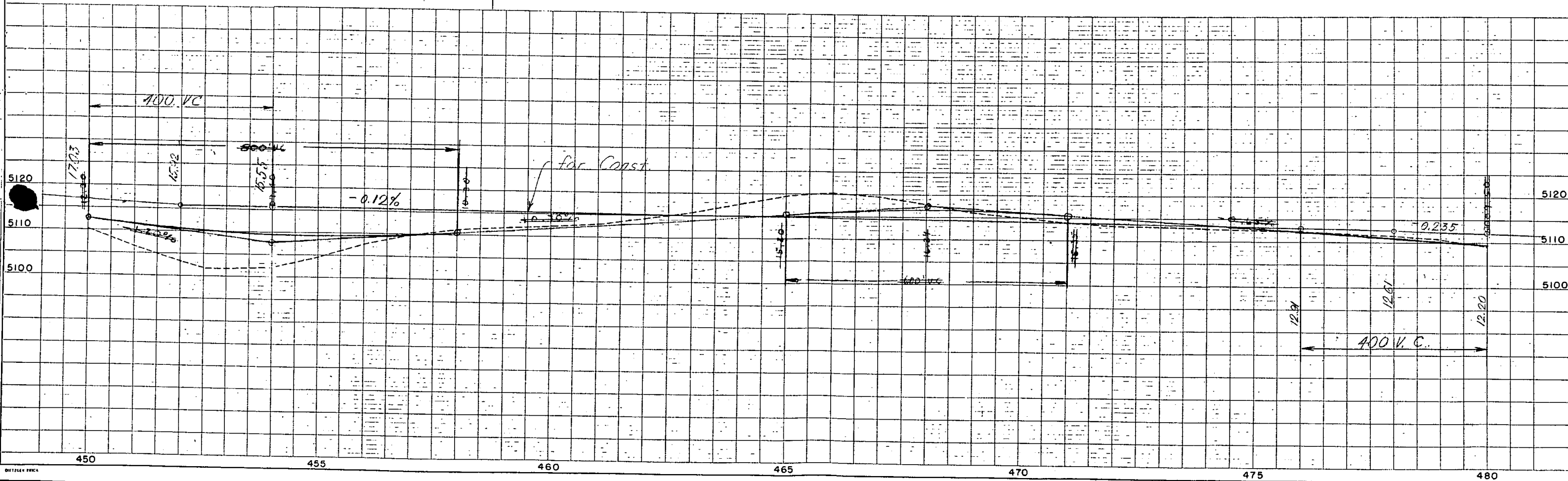
⑤ Mary Beulah Zache  
Rev.

BK1198/81

⑥ Herman Bitzer  
Pearl V. Bitzer

BK1198/83

N.E. 1/4, Sec. 6  
T. 4 S., R. 60 W.



NOTE: ROAD ALIGNMENT CHECKED BY 22220 N. OF PART CHECKED BY 22221.

PLOTTED BY 22222 BY 22222 STRUCTURE NOTES BY 22222

SE 1/4, Sec. 31  
T. 3 S., R. 60 W.

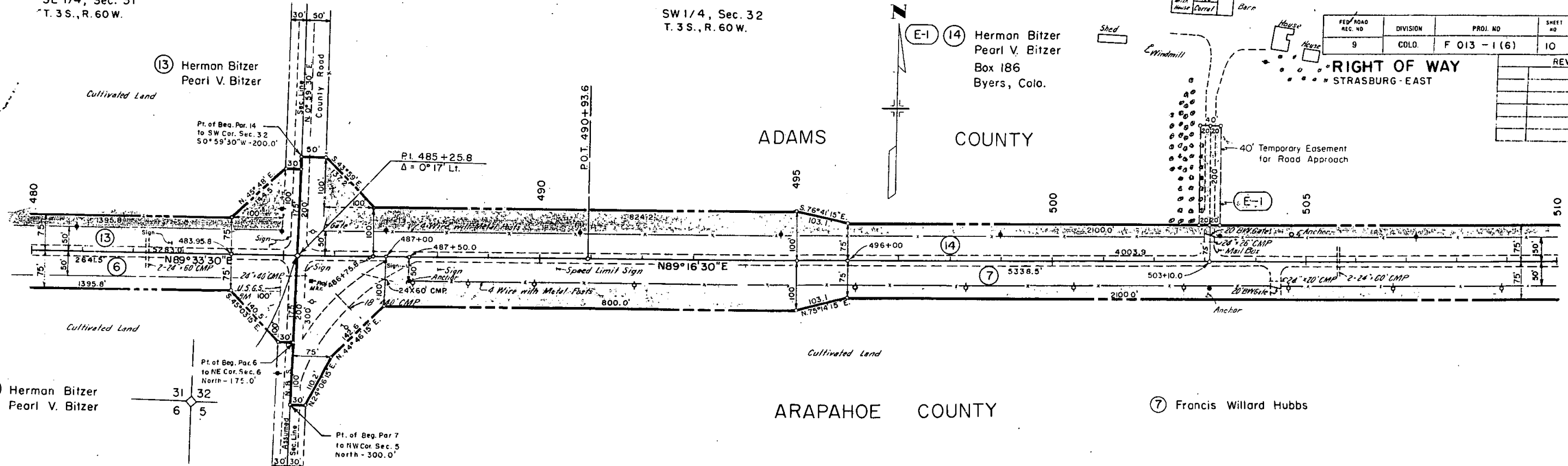
SW 1/4, Sec. 32  
T. 3 S., R. 60 W.

(E-1) (14) Hermon Bitzer  
Pearl V. Bitzer  
Box 186  
Byers, Colo.

FED. ROAD REC. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	F 013 - 1 (6)	10	

REVISIONS	

RIGHT OF WAY  
STRASBURG - EAST

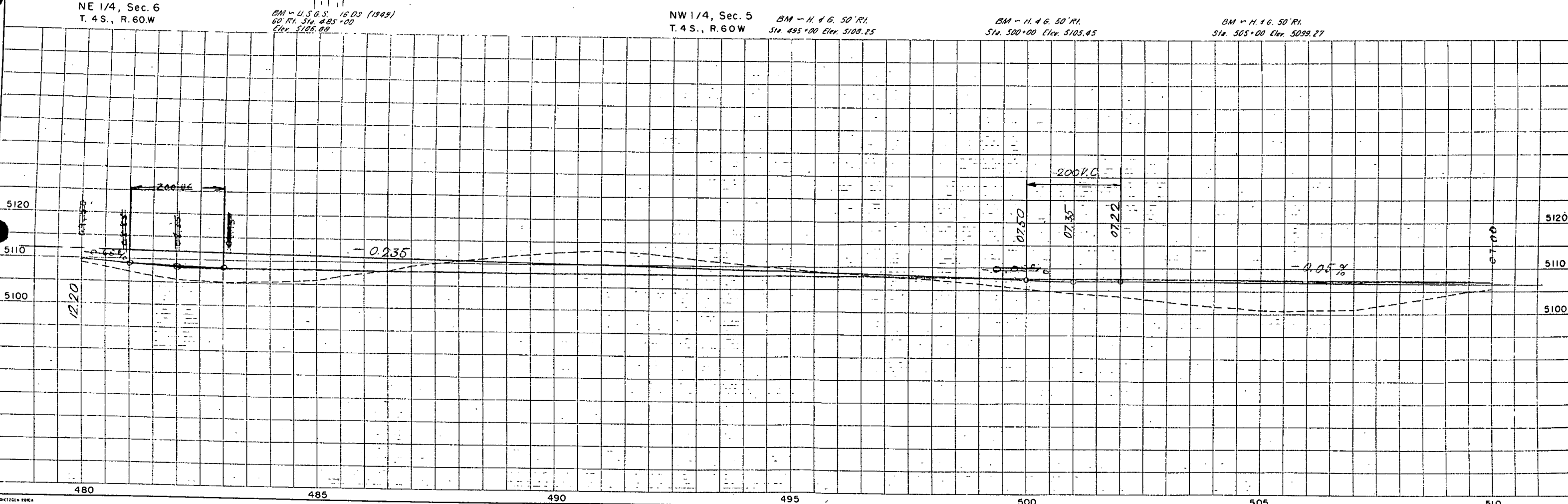


DATE	BY	REVISION

PLAN  
 SURVEYED BY  
 PLOTTED BY  
 ALIGNED BY  
 CHECKED BY  
 NO. 22722

DATE	BY	REVISION

PROFILE  
 SURVEYED BY  
 GRADES CHECKED BY  
 B.M. NOTED BY  
 STRUCTURE NOTED BY  
 NO. 22722



BM - U.S.G.S. 16 DS (1949)  
 60' RI. Sta. 485+00  
 Elev. 5106.88

NW 1/4, Sec. 5  
 T. 4 S., R. 60 W  
 BM - H. & G. 50' RI.  
 Sta. 495+00 Elev. 5109.25

BM - H. & G. 50' RI.  
 Sta. 500+00 Elev. 5105.45

BM - H. & G. 50' RI.  
 Sta. 505+00 Elev. 5099.27



16 Flader Industries Inc.

S.W. 1/4, Sec. 33  
T. 3 S., R. 60 W.

REVISIONS		
6-28-60	Bearing Direction Change B	
	Delta Rt.	FCM
7-25-60	Old Proj. No.	FCM

FED. ROAD REG. NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
8	COLO.	F 013-1(6)	12	

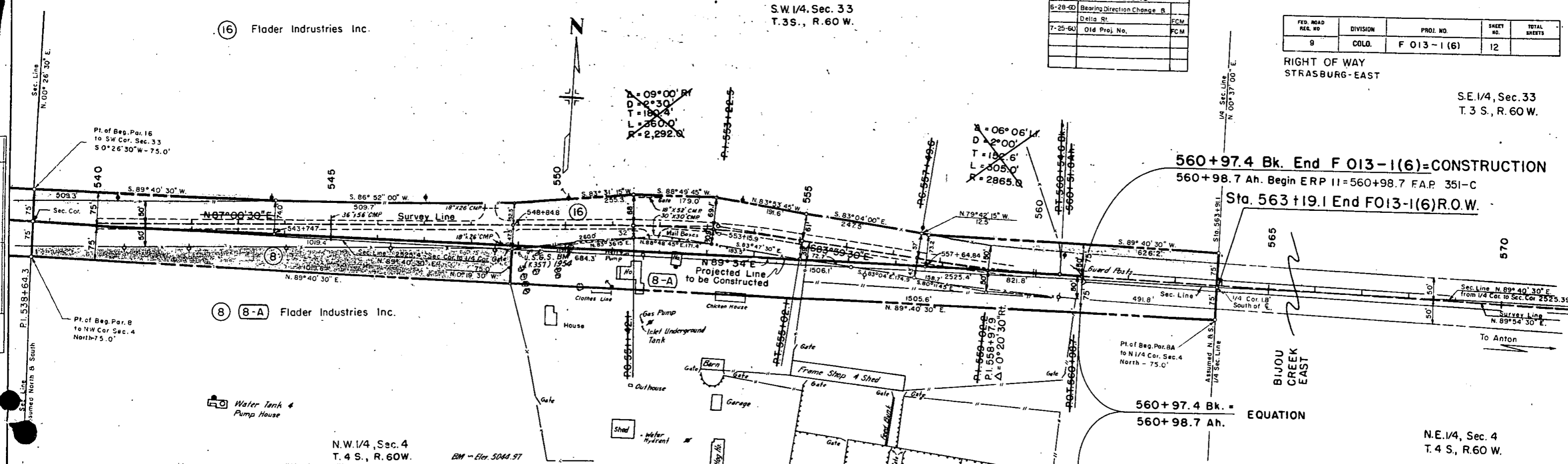
RIGHT OF WAY  
STRASBURG-EAST

S.E. 1/4, Sec. 33  
T. 3 S., R. 60 W.

560+97.4 Bk. End F 013-1(6)=CONSTRUCTION

560+98.7 Ah. Begin ERP II=560+98.7 F.A.P. 351-C

Sta. 563+19.1 End F013-1(6)R.O.W.

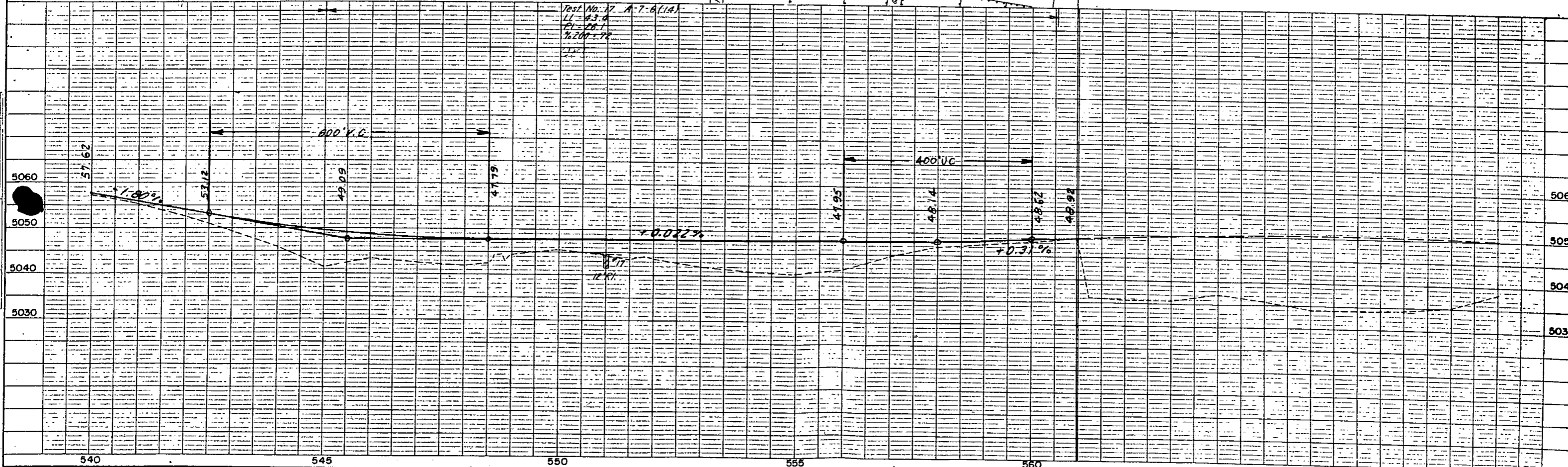


8 8-A Flader Industries Inc.

N.W. 1/4, Sec. 4  
T. 4 S., R. 60 W.

N.E. 1/4, Sec. 4  
T. 4 S., R. 60 W.

560+97.4 Bk. =  
560+98.7 Ah. EQUATION



ALBERT CHECKED  
7/1/50  
M. J. P. M. S. C. H. D.

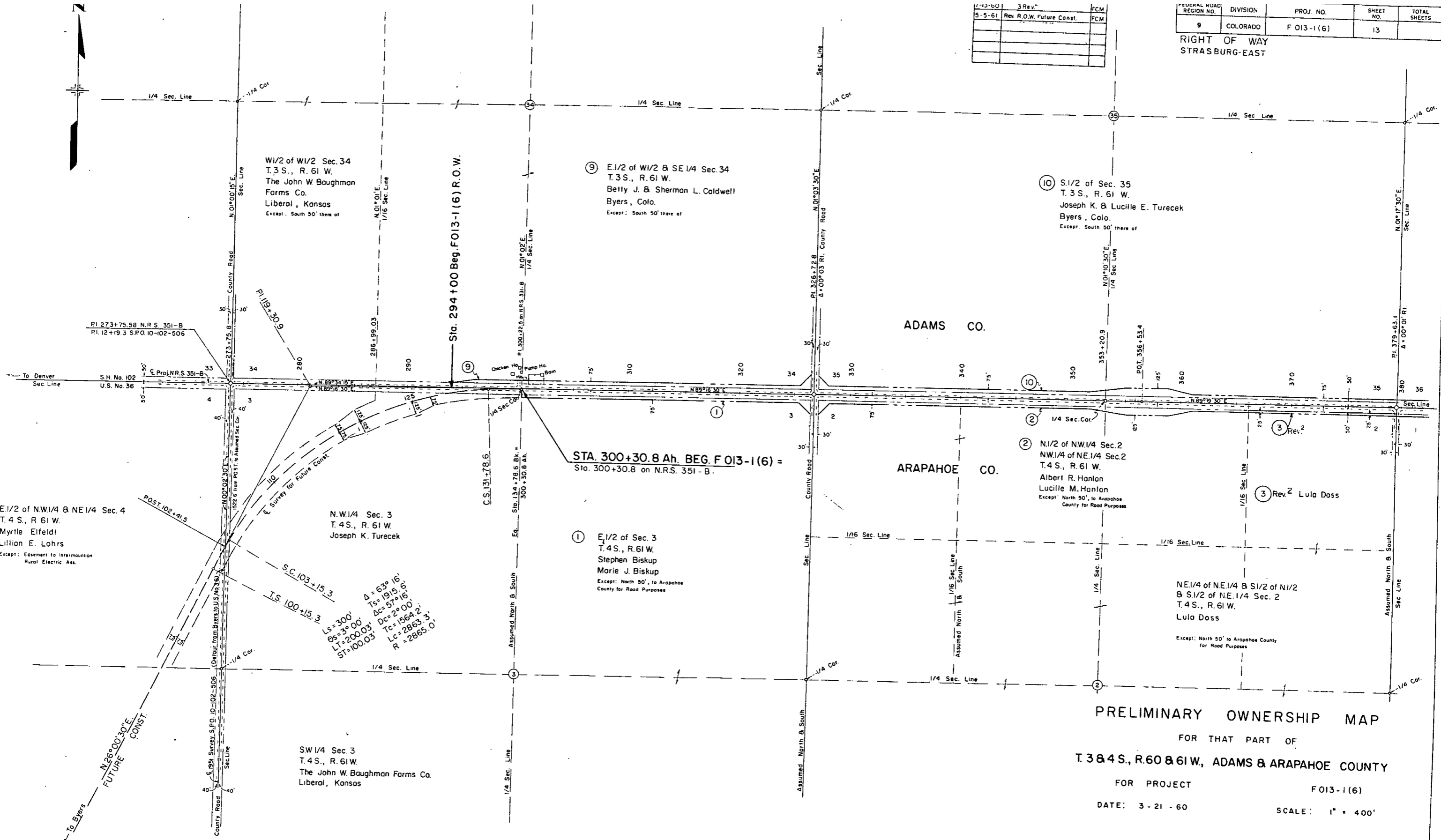
UNLESS CHECKED  
BY M. J. P. M. S. C. H. D.  
NO 22/22



1-13-60	3 Rev.	FCM
5-5-61	Rev. R.O.W. Future Const.	FCM

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F 013-1(6)	13	

RIGHT OF WAY  
STRASBURG-EAST

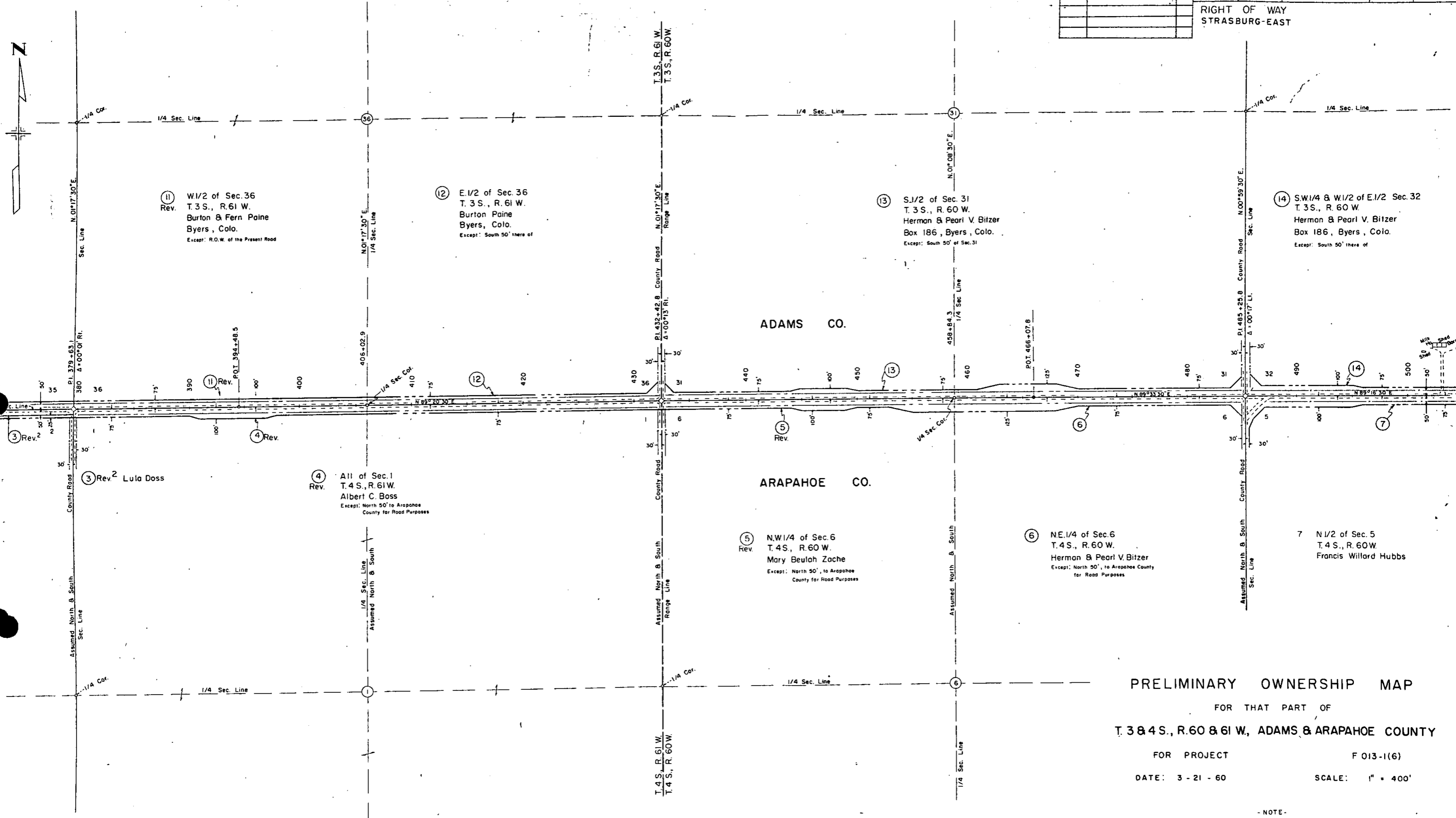
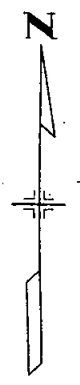


PRELIMINARY OWNERSHIP MAP  
FOR THAT PART OF  
T.3&4S., R.60&61W., ADAMS & ARAPAHOE COUNTY  
FOR PROJECT F013-1(6)  
DATE: 3-21-60 SCALE: 1" = 400'

- NOTE -  
Recommended Minimum Right Of Way For This Project  
is \_\_\_\_\_ Each Side Of Project Center Line.

REVISIONS			FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
7-13-60	3 Rev. <sup>2</sup>	FCM	9	COLORADO	F 013-1 (6)	14	

RIGHT OF WAY  
STRASBURG-EAST



**PRELIMINARY OWNERSHIP MAP**  
 FOR THAT PART OF  
**T. 3 & 4 S., R. 60 & 61 W., ADAMS & ARAPAHOE COUNTY**  
 FOR PROJECT F 013-1(6)  
 DATE: 3 - 21 - 60 SCALE: 1" = 400'

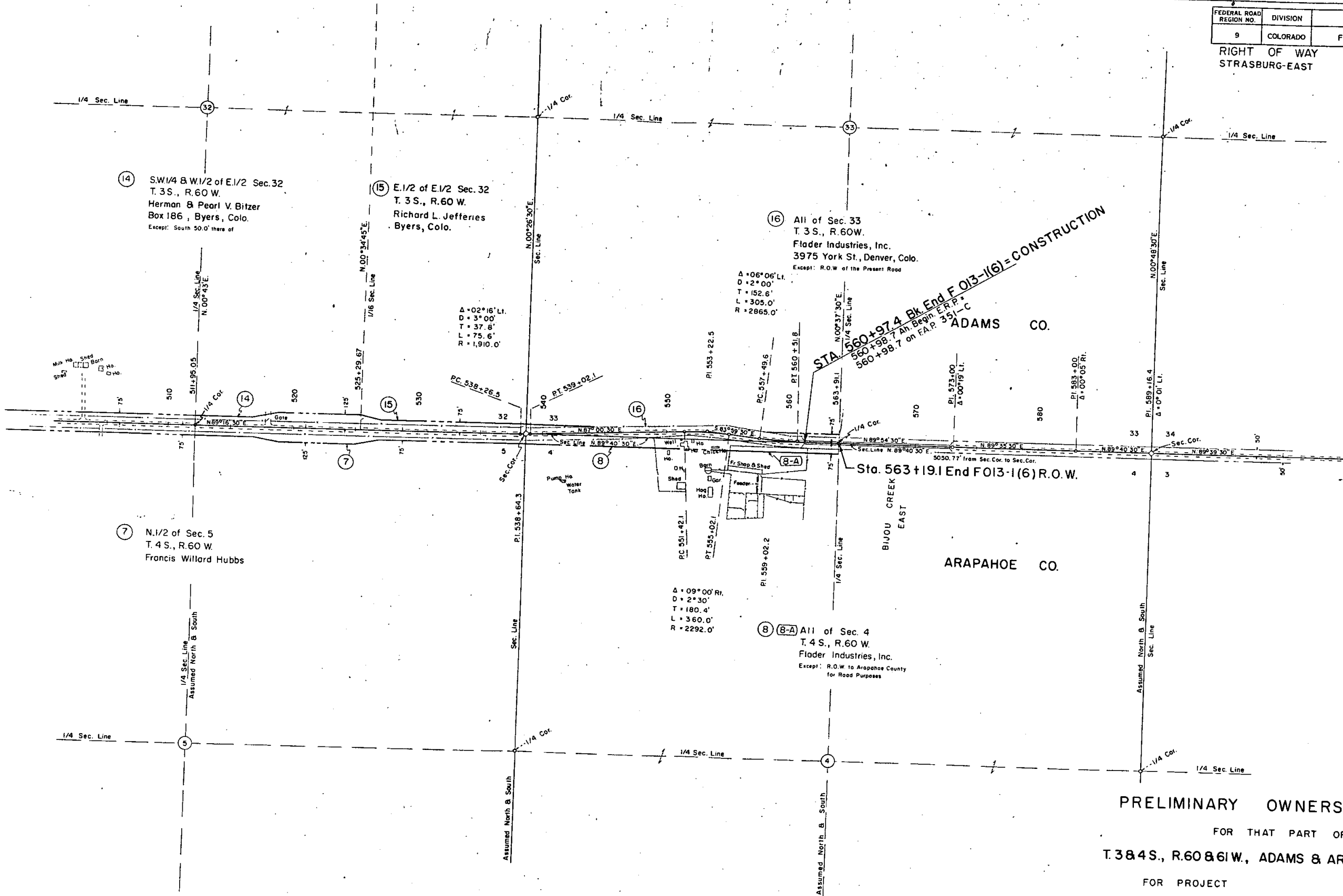
- NOTE -  
 Recommended Minimum Right Of Way For This Project  
 is \_\_\_\_\_, Each Side Of Project Center Line.



FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F 013-1(6)	15	

REVISIONS		
7-25-60	Old Proj. No.	FCM



**PRELIMINARY OWNERSHIP MAP**  
 FOR THAT PART OF  
**T.3&4S., R.60&61W., ADAMS & ARAPAHOE COUNTY**  
 FOR PROJECT F 013-1(6)  
 DATE: 3-21-60 SCALE: 1" = 400'

- NOTE -  
 Recommended Minimum Right Of Way For This Project  
 Is \_\_\_\_\_, Each Side Of Project Center Line.

TABULATION OF TIMBER GUARD POSTS & METAL PLATE GUARD FENCE

STATION	SIDE	SPACING	REMOVE	NEW	METAL PLATE
			POSTS	POSTS	GUARD FENCE
			No.	No.	Lin. Ft.
311+95		Culv.		2	
325+80		Culv.		2	
369+ to 370+		50'		6	
389+00		Culv.		2	
399+00		Culv.		2	
450+ to 456+	Lt. & Rt.	50'		26	
482+ to 484+	Lt.	50'		6	
505+62		Culv.		2	
545+00		Culv.		2	
554+90		Culv.		2	
558+98.7 to 560+98.7	Lt. & Rt.	Bridge			400
Entire Project			16		
TOTALS			16	52	400

R.O.W. MARKERS

STATION	SIDE	NEW
		MARKERS
		Each
300+30.8 S.T.	Lt. & Rt.	2
320+00	Lt.	1
333+00	Rt.	1
344+00	Lt.	1
361+00	Rt.	1
375+00	Lt.	1
385+00	Rt.	1
392+00	Lt.	1
405+00	Rt.	1
420+00	Lt.	1
435+00	Rt.	1
446+00	Lt.	1
460+00	Rt.	1
470+00	Lt.	1
480+00	Rt.	1
495+00	Lt.	1
510+00	Rt.	1
521+00	Lt.	1
535+00	Rt.	1
548+00	Lt.	1
558+97.9 P.I.	Lt. & Rt.	2
TOTAL		23

FENCING REQUIREMENTS

STATION	SIDE	REMOVE FENCE	REMOVE CABLE FENCE	BUILD			GATES	
				PICKET SNOW	BARBED WIRE	COMBINATION WIRE	BARBED WIRE	DRIVEWAY
				Lin. Ft.	Lin. Ft.	Lin. Ft.	Each	Each
300+70 to 302+40	Lt.		210					
485+50 to 560+97.4	Lt.		7,870					
486+70 to 550+20	Rt.		6,510					
550+20 to 553+50	Rt.			330				
553+50 to 560+97.4	Rt.		1,410					
318+50 to 321+50	Lt.				302			
337+50 to 340+5	Lt.				302			
352+50 to 361+50	Lt.				902			
379+63 to 432+13	Lt.					5,250		
391+50 to 397+00	Lt.				552			
461+50 to 471+50	Lt.				1,002			
432+73 to 484+96	Rt. & Lt.					10,500		
487+00 to 495+50	Lt.				852			
516+00 to 526+00	Lt.				1,002			
538+65 to 555+00	Lt.						1,640	
555+00 to 560+97.4	Lt.					600		
486+70 to 549+00	Rt.					6,230		
549+00 to 560+97.4	Rt.						1,200	
379+59	Lt.							
485+50	Lt.							
458+90	Rt.							
503+10	Lt.							
503+10	Rt.							
518+00	Lt.							
525+30	Lt.							
538+64	Lt.							
548+70	Lt.							
548+70	Rt.							
552+90	Lt. & Rt.							2
TOTALS			16,000	330	4,914	22,580	2,840	8

\* County Road side.  
/ On X Fence.

SHOULDER ROLL TABULATION

STATION	SIDE	LIN. FT.
525+50 to 536+00	Lt. & Rt.	2,100
TOTAL		*2,100

\* Equals 32<sup>1</sup>/<sub>2</sub> Tons

FEDERAL ROAD REGION NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLORADO	F 013-1(6)	4	

SUMMARY OF EARTHWORK QUANTITIES

EXCAVATION		
FROM CROSS SECTIONS		124,291
BORROW		18,593
EST. FOR SUBSIDENCE		17,434
LIST OF STRUCTURES AS EXCAVATION		25
LIST OF STRUCTURES AS EMBANKMENT		3,168
EST. FOR CUT SLOPE TREATMENT		1,200
BORROW (Boss Pit)		31,451
TOTALS		196,162 Cu. Yds.
EXCAVATION		
FROM CROSS SECTIONS		124,291
BORROW		18,593
BORROW (Boss Pit)		31,451
TOTALS		174,335 Cu. Yds.
EMBANKMENT x FACTOR		142,884 Cu. Yds.
EMBANKMENT x FACTOR (Top Portion Subgrade)		31,451
EMBANKMENT TOTAL		174,335 Cu. Yds.
FROM CROSS SECTIONS		109,906 Cu. Yds.
STATION YARD OVERHAUL		
FROM MASS DIAGRAM		724,131
EST. FOR SUBSIDENCE		107,008
EST. FOR STRUCTURE BACKFILL		5,665
FOR BORROW FROM BOSS PIT		345,951
TOTALS		1,182,755 Sta. Yds.
YARD MILE OVERHAUL		
FROM MASS DIAGRAM		7,229
EST. FOR SUBSIDENCE		9,962
EST. FOR STRUCTURE BACKFILL		1526
FOR BORROW FROM BOSS PIT		92,389
TOTALS		111,106 Yd. Mi.
UNCLASSIFIED DITCH EXCAVATION		
INTERCEPTING DITCHES		
*STATION	SIDE	CU. YDS.
353+ to 359+	Lt.	100
SUB-TOTAL		100
FROM LIST OF STRUCTURES		27
TOTAL		127
* Approximate location, may be changed by the Engineer.		
COMPACTION (Standard)		
TOTAL UNCLASSIFIED EXCAVATION		161,565
BASE OF CUTS & FILLS		65,041
TOTAL		226,606 Cu. Yds.
COMPACTION (Modified)		
BORROW (Boss Pit)		31,451 Cu. Yds

\* Excludes Excavation From Boss Pit.