

# COLORADO DEPARTMENT OF HIGHWAYS

## PLAN AND PROFILE OF PROPOSED FEDERAL AID PROJECT NO. I 70-4(10)316 STATE HIGHWAY NO. 8 ARAPAHOE COUNTY

### 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  
NET LENGTH OF PROJECT IN R.O.W. 12.36 MILES.

### RIGHT OF WAY

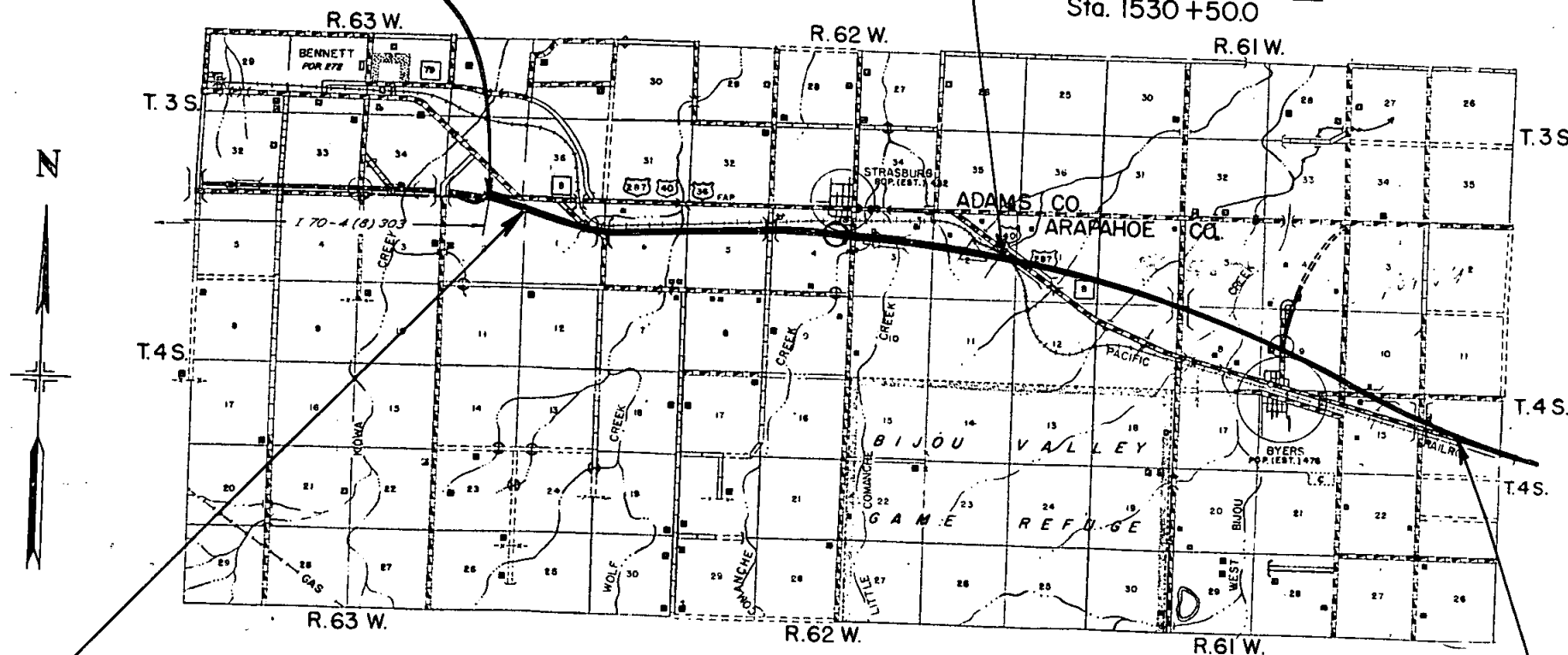
| FEDERAL ROAD DIVISION NO. | DISTRICT | PROJ. NO.     | SHEET NO. | TOTAL SHEETS |
|---------------------------|----------|---------------|-----------|--------------|
| 9                         | COLORADO | I 70-4(10)316 | 1         |              |

| RIGHT OF WAY<br>STRASBURG-BYERS |                            |        |
|---------------------------------|----------------------------|--------|
| CONVENTIONAL SIGNS              |                            |        |
| 2/21/61                         | End R.O.W. Sta             | C.     |
| 3/7/61                          | INDEX                      | C.V.   |
| 3/8/61                          | End Sta. Revision Canceled | C.P.W. |

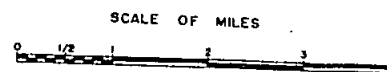
CENTER LINE  
RIGHT OF WAY LINE  
COUNTY LINE  
TOWNSHIP OR RANGE LINE  
LAND LINES  
RAILROAD  
BARBED WIRE FENCE  
COMBINATION WIRE FENCE  
SNOW FENCE  
TELEPHONE & TELEGRAPH LINES  
POWER LINE  
DETOUR  
PRESENT ROAD (Plan Sheets)  
ACCESS DENIED BY DEED  
CONTROL OF ACCESS  
TOE OF SLOPE  
CUT  
FILL

Sta. 1193+30 Begin I 70-4(13)316=  
Sta. 1193+30 End I 70-4(8)303

End I 70-4(13)316  
Sta. 1530+500



BEGIN R.O.W. I 70-4(10)316  
STA. 1219+18.3



END R.O.W. I 70-4(10)316  
STA. 1844+11.9

R.O.W. TABULATION OF PROPERTIES IN ARAPAHOE COUNTY S.H.No. 8 PROJ. I 70-4 (10) 316

|                           |          |                 |           |
|---------------------------|----------|-----------------|-----------|
| FEDERAL ROAD DIVISION NO. | DISTRICT | PROJ. NO.       | SHEET NO. |
| 9                         | COLORADO | 1 70-4 (10) 316 | 2         |

| RIGHT OF WAY    |         | REVISION         |
|-----------------|---------|------------------|
| STRASBURG-BYERS |         | 12/22/60 16 Name |
| REMARKS         | 1/8/61  | Parcel No. 112   |
|                 | 2/6/61  | 6 Rev            |
|                 | 3/1/61  | Parcel 12 (Loc   |
|                 | 4/26/61 | 20 Rev           |
|                 | 6/13/61 | Name Ch          |
|                 | 7/12/61 | Deleted 8        |
|                 | 7/14/61 | Name Chory       |
|                 | 7/18/62 | add 4A, 3A, 5B   |

| PARCEL NO. | OWNER                          | ADDRESS | LOCATION               | AREA IN ACRES          |        |                |  |  |  |  |  |
|------------|--------------------------------|---------|------------------------|------------------------|--------|----------------|--|--|--|--|--|
|            |                                |         |                        | REMAINDERS             | PARCEL | TO BE ACQUIRED |  |  |  |  |  |
|            |                                |         | T. 4 S., R. 63 W.      |                        |        |                |  |  |  |  |  |
|            |                                |         |                        |                        |        |                |  |  |  |  |  |
|            |                                |         |                        |                        |        |                |  |  |  |  |  |
|            |                                |         |                        |                        |        |                |  |  |  |  |  |
| 1          | Morvin & Harriet H. Newby      |         | N. 1/2 Sec. 1          | North 126<br>South 144 | 38.840 | 38.840         |  |  |  |  |  |
|            |                                |         | T. 4 S., R. 62 W.      |                        |        |                |  |  |  |  |  |
|            |                                |         |                        |                        |        |                |  |  |  |  |  |
| 2          | Morvin & Harriet H. Newby      |         | N.W. 1/4 Sec. 6        | South 31               | 17.671 | 17.509         |  |  |  |  |  |
| 3-A        | The John W. Baughman Farms Co. |         | NE 1/4 Sec. 6          |                        | 0.297  | 0.297          |  |  |  |  |  |
| 3          | The John W. Baughman Farms Co. |         | N.E. 1/4 Sec. 6        | South 36               | 17.537 | 17.537         |  |  |  |  |  |
| 4-A        | The John W. Baughman Farms Co. |         | N 1/2 Sec. 5           |                        | 0.603  | 0.603          |  |  |  |  |  |
| 4          | The John W. Baughman Farms Co. |         | N. 1/2 Sec. 5          | South 107              | 36.466 | 36.228         |  |  |  |  |  |
| 5-B        | The John W. Baughman Farms Co. |         | N 1/2 Sec. 4           |                        | 0.235  | 0.235          |  |  |  |  |  |
| 5          | The John W. Baughman Farms Co. |         | N. 1/2 Sec. 4          | North 5<br>South 97    | 53.124 | 52.782         |  |  |  |  |  |
| 5-A        | The John W. Baughman Farms Co. |         | N. 1/2 Sec. 4          |                        | 8.426  | 8.426          |  |  |  |  |  |
| 6Rev       | Lawrence E. & May E. Brengman  |         | E. 1/2 N.E. 1/4 Sec. 4 | North 4.6<br>South 8.3 | 6.493  | 6.018          |  |  |  |  |  |
| 5-C        | The                            |         |                        |                        |        |                |  |  |  |  |  |

R.O.W. TABULATION OF PROPERTIES IN ARAPAHOE COUNTY S.H.No. 8 PROJ. I 70-4 (10) 316

|                           |          |                 |           |              |
|---------------------------|----------|-----------------|-----------|--------------|
| FEDERAL ROAD DIVISION NO. | DISTRICT | PROJ. NO.       | SHEET NO. | TOTAL SHEETS |
| 9                         | COLORADO | I 70-4 (10) 316 | 2-A       |              |

| RIGHT OF WAY    |  | REVISIONS |                         |
|-----------------|--|-----------|-------------------------|
| STRASBURG-BYERS |  | 12/22/60  | Proj. name              |
| REMARKS         |  | 1/30/61   | ET9C,E9C,E9C2,E10,10A,B |
|                 |  | 2/21/61   | 31 Rev.                 |
|                 |  | 3/7/61    | 26 Rev.                 |
|                 |  | 3/8/61    | 31 Revision Canceled    |
|                 |  | 4/14/61   | Revise Easements        |
|                 |  | 4/26/61   | 22 A, & Remainders      |
|                 |  | 6/6/61    | Temporary Easements     |
|                 |  | 6/12/61   | ET-18 Rev.              |
|                 |  | 2/13/62   | Add 26 A                |

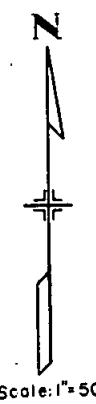
| PARCEL NO. | OWNER                              | ADDRESS | LOCATION               | AREA IN ACRES               |        |                |  |  |  |  | REMARKS |   |
|------------|------------------------------------|---------|------------------------|-----------------------------|--------|----------------|--|--|--|--|---------|---|
|            |                                    |         |                        | REMAINDERS                  | PARCEL | TO BE ACQUIRED |  |  |  |  |         |   |
|            |                                    |         | TOWN OF BYERS          |                             |        |                |  |  |  |  |         |   |
|            |                                    |         | W1/2 S.W1/4 Sec. 9     |                             |        |                |  |  |  |  |         |   |
|            |                                    |         |                        |                             |        |                |  |  |  |  |         |   |
| 21         | W. A. Harris & Elizabeth A. Harris |         | Lots C, D & E          | North 0.35<br>South 17.4    | 4.672  | 4.672          |  |  |  |  |         | 2 |
| 22         | Carl I. & Edith J. Fredrickson     |         | Lot B                  | North 0.7                   | 3.361  | 3.361          |  |  |  |  |         | 2 |
| 22A        | " "                                |         | NW 1/4 SW1/4 Sec. 9    | North 0.37                  | 0.476  | 0.476          |  |  |  |  |         |   |
| 23         | Ed H. Tuxhorn                      |         | Lot A                  | North 0.7<br>South 0.6      | 3.556  | 3.556          |  |  |  |  |         | 2 |
| 24         | Ruth A. Landureth                  |         | Lot A                  |                             | 0.172  | 0.172          |  |  |  |  |         | 2 |
| 25         | Deleted                            |         | S.E.1/4 S.W.1/4 Sec. 9 |                             |        |                |  |  |  |  | Deleted | 2 |
| 26Rev      | Joseph K. Turecek                  |         | Sec. 9                 | NW 86<br>NE 238<br>South 97 | 51.712 | 51.404         |  |  |  |  |         | 2 |
| 26A        | " " "                              |         | SE 1/4 Sec. 9          |                             | 0.115  | 0.115          |  |  |  |  |         | 2 |
| 27         | Carl I. & Edith J. Fredrickson     |         | N.E.1/4 Sec. 16        | South 21                    | 0.453  | 0.172          |  |  |  |  |         | 2 |
| 28         | Howard B. Ritchie                  |         | N.W.1/4 Sec. 15        | South 4.6                   | 0.417  | 0.086          |  |  |  |  |         |   |

| FEDERAL ROAD DIVISION NO. | DISTRICT | PROJ. NO.    | SHEET NO. | TOTAL SHEETS |
|---------------------------|----------|--------------|-----------|--------------|
| 9                         | COLORADO | 170-4(10)316 | 3         |              |

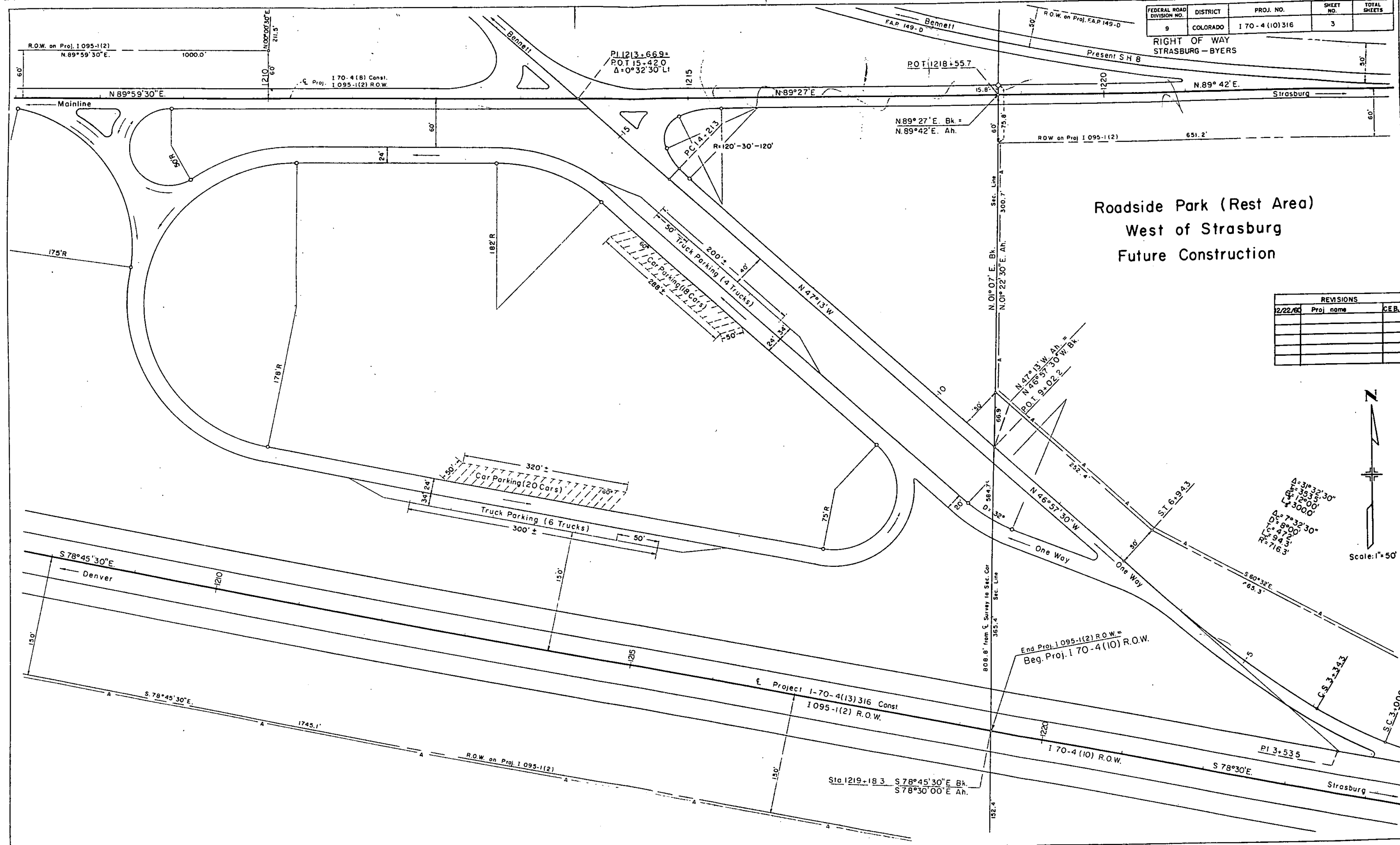
RIGHT OF WAY  
STRASBURG - BYERS

# Roadside Park (Rest Area) West of Strasburg Future Construction

| REVISIONS |           |      |
|-----------|-----------|------|
| 2/22/60   | Proj name | CEB. |
|           |           |      |
|           |           |      |
|           |           |      |
|           |           |      |



$\Delta = 31^{\circ}32'30''$   
 $D = 353.5'$   
 $L = 120.0'$   
 $R = 3000'$   
 $\Delta = 7^{\circ}32'30''$   
 $D = 800.0'$   
 $L = 94.3'$   
 $R = 716.3'$

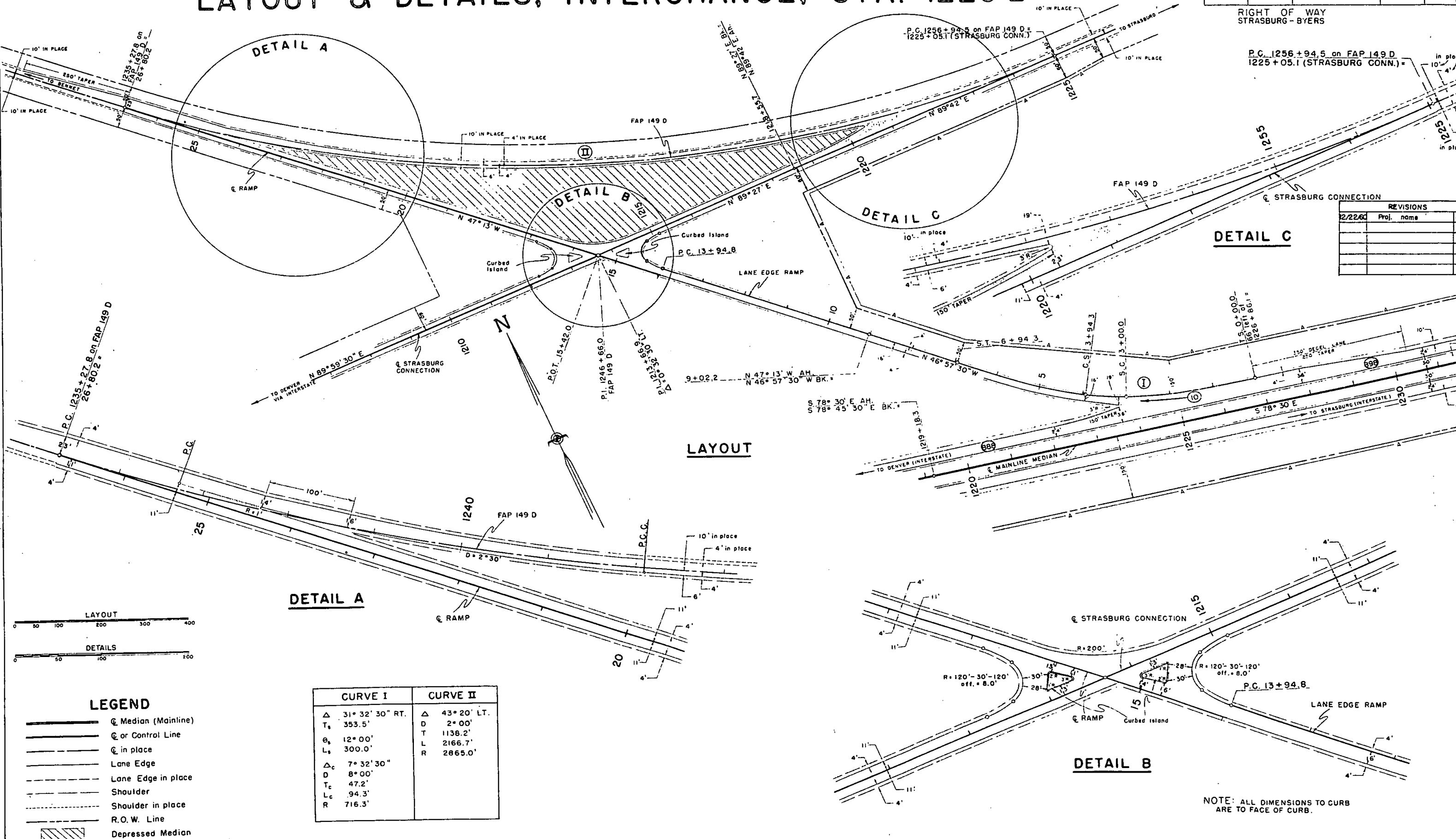


# LAYOUT & DETAILS, INTERCHANGE, STA. 1220 ±

| FEDERAL ROAD DIVISION NO. | DISTRICT | PROJ. NO.       | SHEET NO. | TOTAL SHEETS |
|---------------------------|----------|-----------------|-----------|--------------|
| 9                         | COLORADO | I 70-4 (10) 316 | 4         |              |

RIGHT OF WAY  
STRASBURG - BYERS

P.C. 1256+94.5 on FAP 149 D  
1225+05.1 (STRASBURG CONN.)



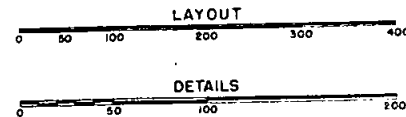
| REVISIONS |            |     |
|-----------|------------|-----|
| 2/22/60   | Proj. name | CE. |
|           |            |     |
|           |            |     |
|           |            |     |
|           |            |     |

## LAYOUT

## DETAIL A

## DETAIL B

NOTE: ALL DIMENSIONS TO CURB  
ARE TO FACE OF CURB.



## LEGEND

- Median (Mainline)
- or Control Line
- in place
- Lane Edge
- Lane Edge in place
- Shoulder
- Shoulder in place
- R.O.W. Line
- Depressed Median

| CURVE I                   | CURVE II      |
|---------------------------|---------------|
| Δ 31° 32' 30" RT.         | Δ 43° 20' LT. |
| T <sub>s</sub> 353.5'     | D 2° 00'      |
| θ <sub>s</sub> 12° 00'    | T 1138.2'     |
| L <sub>s</sub> 300.0'     | L 2166.7'     |
| Δ <sub>c</sub> 7° 32' 30" | R 2865.0'     |
| D 8° 00'                  |               |
| T <sub>c</sub> 47.2'      |               |
| L <sub>c</sub> 94.3'      |               |
| R 716.3'                  |               |

T. 3 S., R. 63 W.

$\Delta = 43^\circ 20' \text{ LT.}$   
 $D = 2^\circ 00'$   
 $T = 1138.2'$   
 $L = 2166.7'$   
 $R = 2865.0'$

S.W. 1/4 Sec. 36  
T. 3 S., R. 63 W.

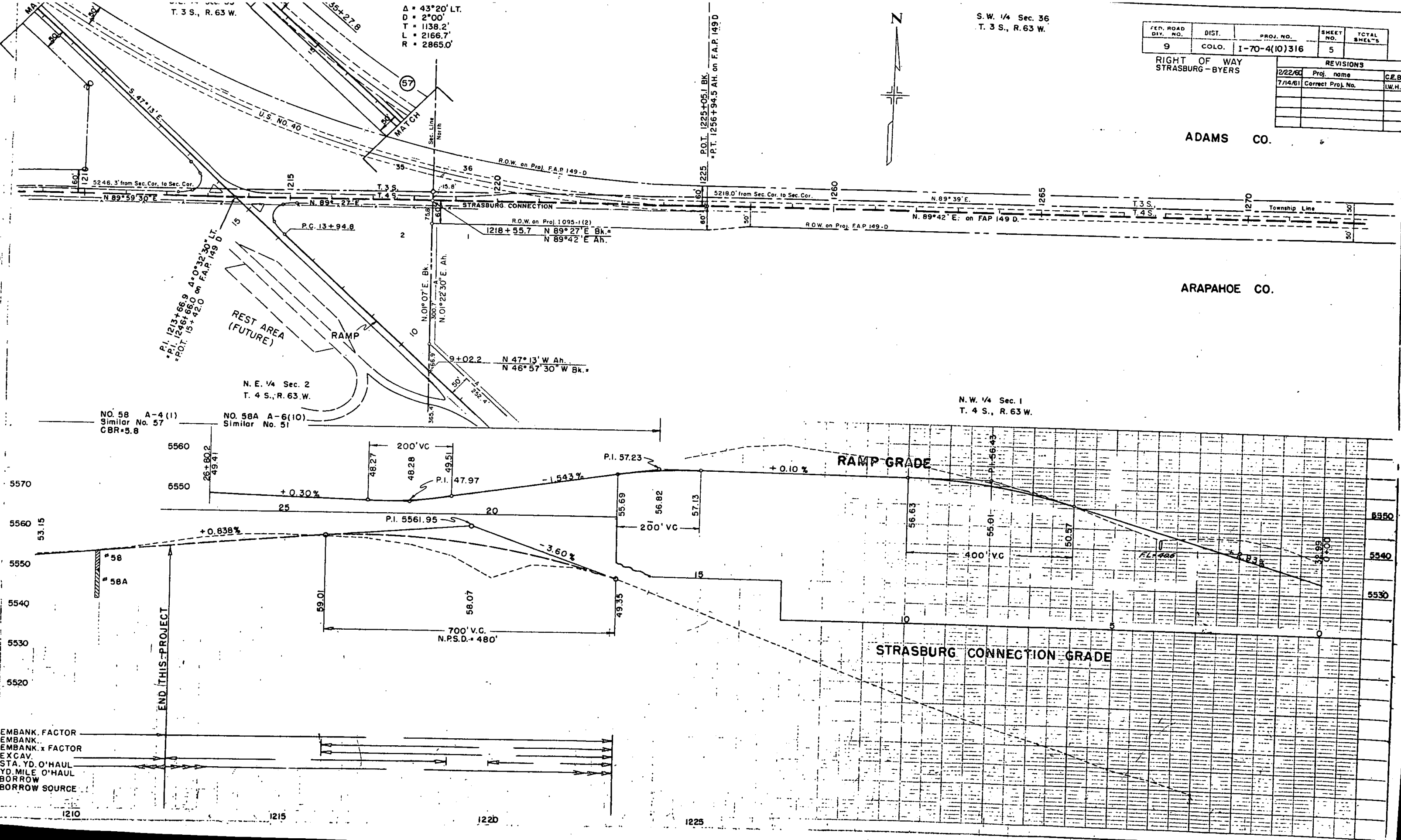
| FED. ROAD<br>DIV. NO. | DIST. | PROJ. NO.     | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------------------|-------|---------------|--------------|-----------------|
| 9                     | COLO. | 1-70-4(10)316 | 5            |                 |

RIGHT OF WAY  
STRASBURG-BYERS

| REVISIONS |                   |        |
|-----------|-------------------|--------|
| 2/22/60   | Proj. name        | C.E.B. |
| 7/14/61   | Correct Proj. No. | L.W.H. |
|           |                   |        |
|           |                   |        |
|           |                   |        |

ADAMS CO.

ARAPAHOE CO.



S.W.1/4 Sec. 35  
T.3S., R.63W.

ADAMS CO.

ARAPAHOE CO.

RIGHT OF WAY

PROJ. NO.

I-70-4(10)316

6

MAINLINE  
STRASBURG-BYERS

| REVISIONS |            |     |
|-----------|------------|-----|
| DATE      | Proj. name | CEB |
| 12/22/60  |            |     |
|           |            |     |
|           |            |     |
|           |            |     |

Rev.2

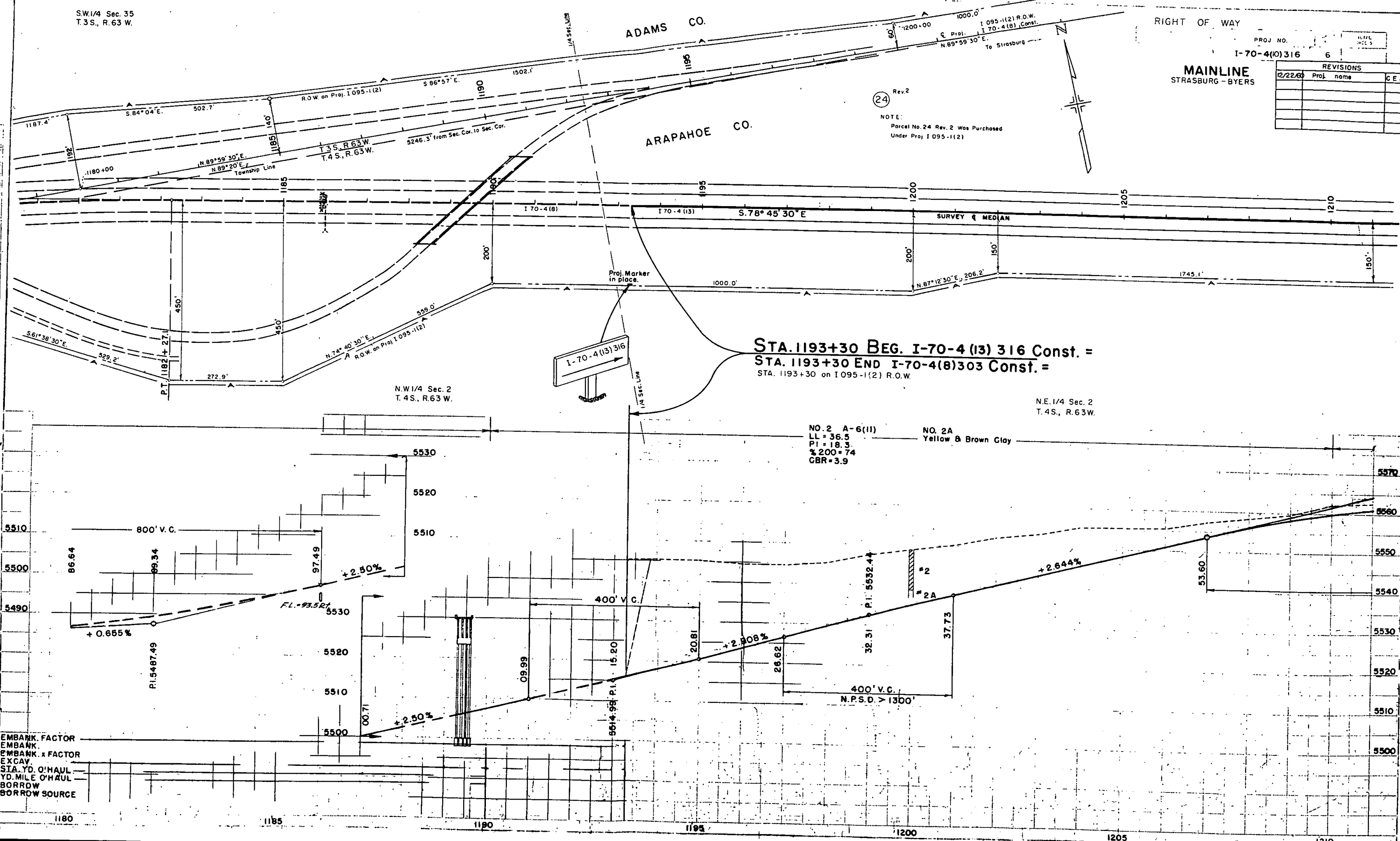
NOTE:  
Parcel No. 24 Rev. 2 Was Purchased  
Under Proj. I 095-1(12)

STA. 1193+30 BEG. I-70-4 (13) 316 Const. =  
STA. 1193+30 END I-70-4(8)303 Const. =  
STA. 1193+30 on I 095-1(12) R.O.W.

NO. 2 A-6(11)  
LL = 36.5  
PI = 18.3  
% 200 = 74  
GBR = 3.9

NO. 2A  
Yellow & Brown Clay

N.E.1/4 Sec. 2  
T.4S., R.63W.









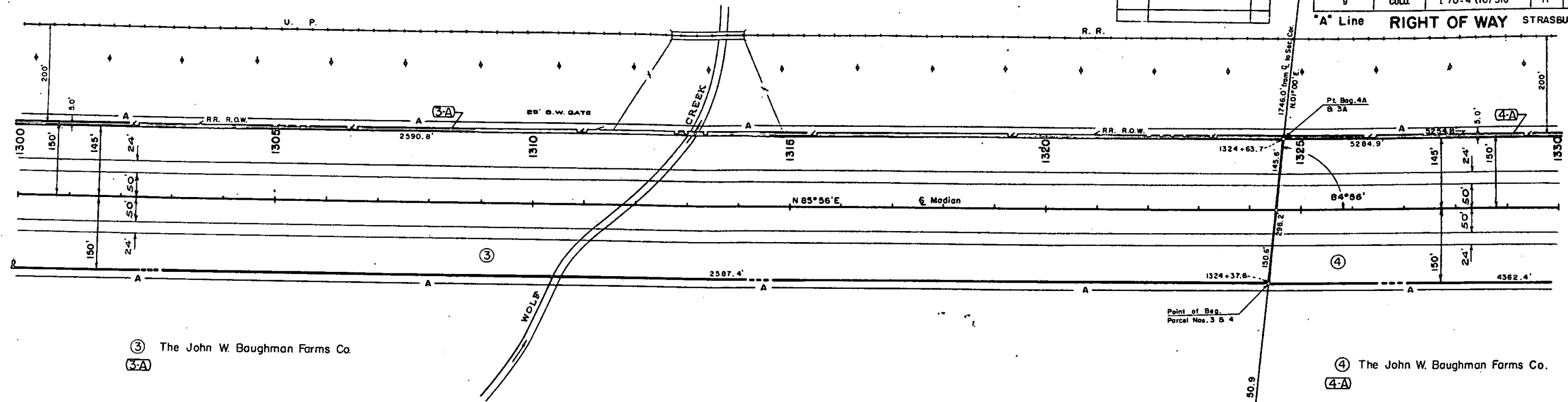


NE 1/4, Sec. 6  
T 4 S, R 62 W

| REVISIONS |            |      |
|-----------|------------|------|
| 2/22/60   | Proj. name | CEB  |
| 7/18/62   | add 3A, 4A | C.W. |
|           |            |      |
|           |            |      |

| NW 1/4, Sec. 5; T 4 S, R 62 W |          |                 |              |                 |
|-------------------------------|----------|-----------------|--------------|-----------------|
| FED. ROAD<br>REC. NO.         | DIVISION | PROJ. NO.       | SHEET<br>NO. | TOTAL<br>SHEETS |
| 9                             | COLO.    | I 70-4 (10) 316 | 11           |                 |

"A" Line RIGHT OF WAY STRASBURG-BYERS



③ The John W. Baughman Farms Co.  
(3-A)

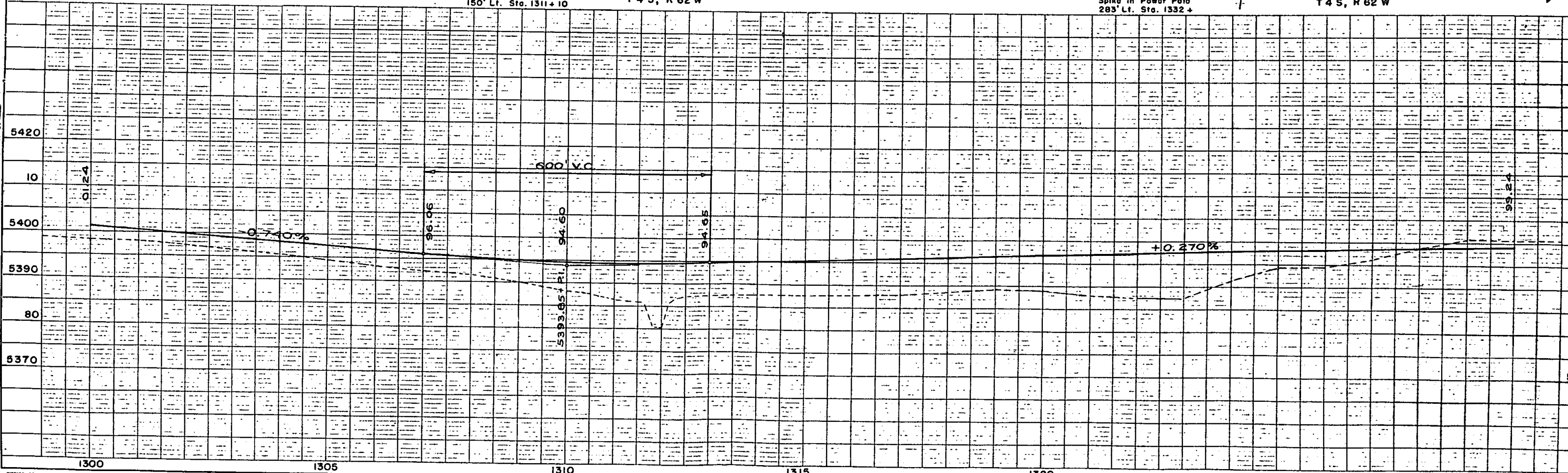
④ The John W. Baughman Farms Co.  
(4-A)

B.M. - 5388.47  
Spike in Fence Post  
150' Lt. Sta. 1311 + 10

NE 1/4, Sec. 6  
T 4 S, R 62 W

B.M. - 5386.99  
Spike in Power Pole  
283' Lt. Sta. 1332 +

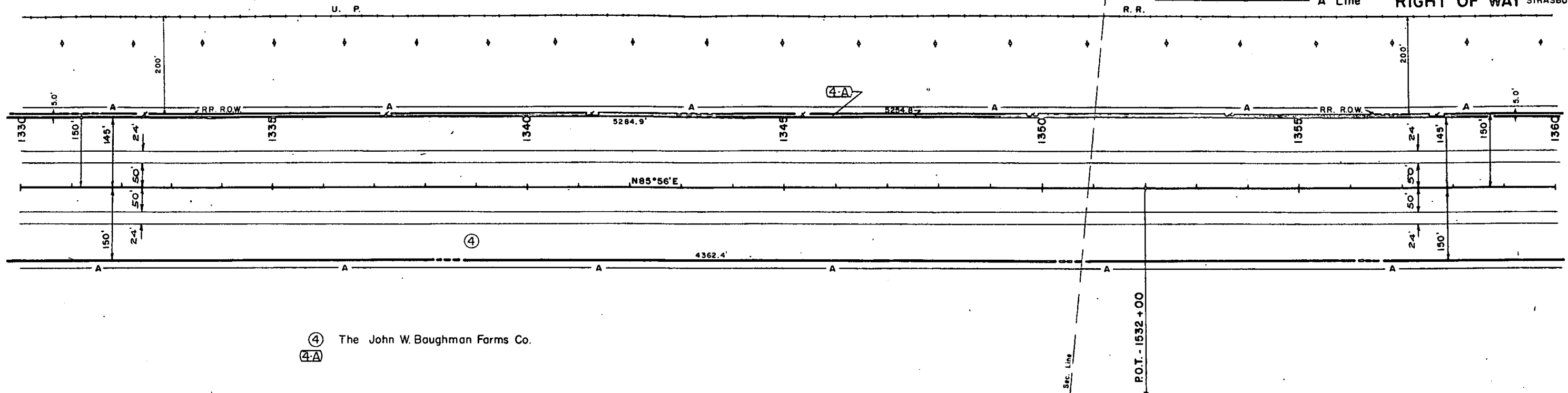
NW 1/4, Sec. 5  
T 4 S, R 62 W



N 1/2, Sec. 5  
T 4 N, R 62 W

| REVISIONS |          |      | FED. ROAD<br>REG. NO. | DIVISION | PROJ. NO.         | SHEET<br>NO. | TOTAL<br>SHEETS |
|-----------|----------|------|-----------------------|----------|-------------------|--------------|-----------------|
| 12-22-60  | job name | REC  |                       |          |                   |              |                 |
| 7/18/62   | add 4 A  | C.W. | 9                     | COLO.    | I 70 - 4 (10) 316 | 12           |                 |

"A" Line RIGHT OF WAY STRASBURG - BYERS



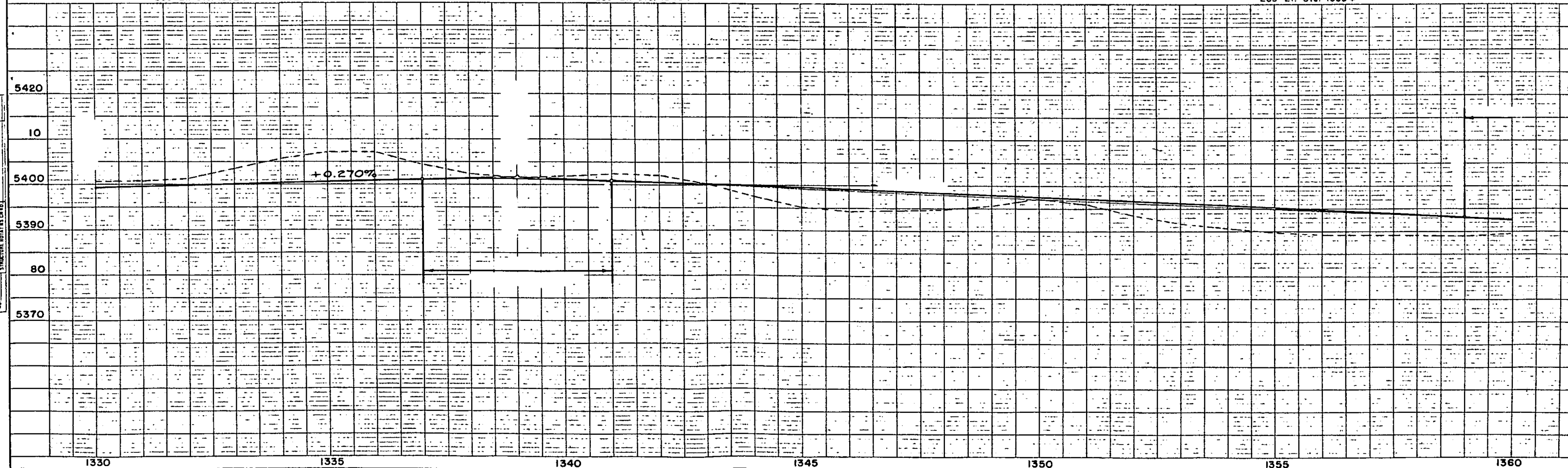
④ The John W. Boughman Farms Co.  
(4-A)

B.M. - 5400.35  
Spike in Power Pole  
283' Lt. Sta. 1332+

B.M. - 5396.57  
Spike in Power Pole  
283' Lt. Sta. 1343+

N 1/2 Sec. 5  
T 4 S, R 62 W

B.M. - 5391.66  
Spike in Power Pole  
283' Lt. Sta. 1355+



NOTED  
SITE BOOK  
NO 21684 - 22152 CHECKED

PROFILE  
NOTED  
SITE BOOK  
NO 22152  
GRADES CHECKED  
STRUCTURE NOTED

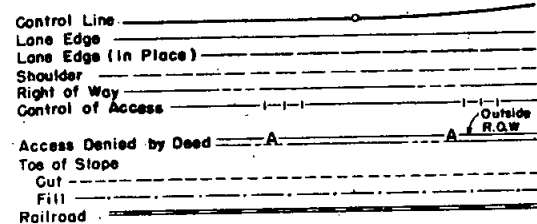








## LEGEND



DESIGN SPEED DATA  
Mainline 70 MPH  
Entrance & Exit Ramps 50 MPH

## CURVE DATA

| NO. | Δ      | T <sub>s</sub> | L <sub>s</sub> | θ <sub>s</sub> | Δ <sub>c</sub> | D <sub>c</sub> | T <sub>c</sub> | L <sub>c</sub> | R <sub>c</sub> | S            |
|-----|--------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| 9   |        |                |                |                | 100°26'        | 38°12'         | 180.1'         | 262.9'         | 150.0'         | 0.100'/ft.   |
| 8   |        |                |                |                | 17°56'30"      | 10°00'         | 90.5'          | 179.4'         | 573.0'         | 0.030'/ft.   |
| 7   |        |                |                |                | 30°00'         | 20°00'         | 76.8'          | 150.0'         | 286.5'         | Normal Sect. |
| 6   |        |                |                |                | 38°25'30"      | 38°12'         | 173.9'         | 257.7'         | 150.0'         | 0.100'/ft.   |
| 5   |        |                |                |                | 96°48'         | 38°12'         | 169.0'         | 253.4'         | 150.0'         | 0.100'/ft.   |
| 1   | 6°55'  | 161.6'         | 150.0'         | 3°             | 0°55'          | 4°00'          | 11.5'          | 22.9'          | 1432.5'        | 0.015'/ft.   |
| 2   | 8°25'  | 180.4'         | 150.0'         | 3°             | 2°25'          | 4°00'          | 30.2'          | 60.4'          | 1432.5'        | 0.015'/ft.   |
| 3   | 8°56'  | 186.9'         | 150.0'         | 3°             | 2°56'          | 4°00'          | 36.7'          | 73.3'          | 1432.5'        | 0.015'/ft.   |
| 4   | 10°30' | 206.7'         | 150.0'         | 3°             | 4°30'          | 4°00'          | 56.3'          | 112.5'         | 1432.5'        | 0.015'/ft.   |

## LAYOUT IN DETAIL OF INTERCHANGE

STA. 1416+

SCALE IN FEET

| FEDERAL ROAD DIVISION NO. | DISTRICT | PROJ. NO.     | SHEET NO. | TOTAL SHEETS |
|---------------------------|----------|---------------|-----------|--------------|
| 9                         | COLORADO | I-70-4(10)316 | 17        |              |

RIGHT OF WAY  
STRASBURG-BYERS

## REVISIONS

| DATE     | Proj. name             | DES.   |
|----------|------------------------|--------|
| 2/22/60  | Access                 | U.M.H. |
| 1/19/61  | Access                 | U.M.H. |
| 2/6/61   | 6 Rev.                 | C.W.   |
| 9/28/64  | Add Frontage Road on   | D.I.   |
|          | Parcel N# 5-A          |        |
| 12-10-64 | Revise access Par. 5-A | LP     |















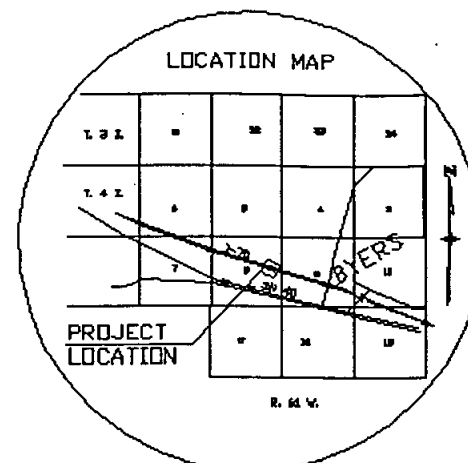








DEPARTMENT OF TRANSPORTATION  
STATE OF COLORADO  
FAP PROJECT IR(CX)70-4(135)  
ARAPAHOE COUNTY STATE HIGHWAY NO. 70  
RIGHT OF WAY



| FED. ROAD REGION | DIVISION | PROJ. NO.       | SHEET NO. | SHEET TOTALS |
|------------------|----------|-----------------|-----------|--------------|
| VIII             | COLD.    | IR(CX)70-4(135) | 1         | 1            |

RIGHT OF WAY  
WEST  
BIJOU CREEK

| REVISIONS |
|-----------|
|           |
|           |
|           |
|           |

N.E. 1/4 SEC. 8  
T. 4 S., R. 61 W.,  
6th P.M.

STA. 1701+00.0 on MAINLINE  
END EXISTING STRUCTURES

STA. 1692+42.7 END ROW

ON IR(CX)70-4(135) = STA. 1692+42.7

ON I 70-4(10)316

M.P. 315.39

STA. 1692+95.6 on MAINLINE  
BEGIN EXISTING STRUCTURES  
F-20-AR & F-20-AS

STA. 1698+94.21 on MAINLINE  
END PROPOSED STRUCTURES

ROW on I 70-4(10)316

ORIGINAL SCALE 1"=50'

DENVER

BIJOU

LIMON

N 72° 00' 30" W

ROW on I 70-4(10)316

P.D.B. PE-1

SPUR  
DIKE

STA. 1692+49.78 on MAINLINE -  
BEGIN PROPOSED STRUCTURES  
F-20-BV & F-20-BW

P.D.B. PAR. E-18B

PROJ. I 70-4(10)316

PE-1

E-18B

SE 1/4 SEC. 8  
T. 4 S., R. 61 W.,  
.6TH P.M.

DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

AUTHORIZED:

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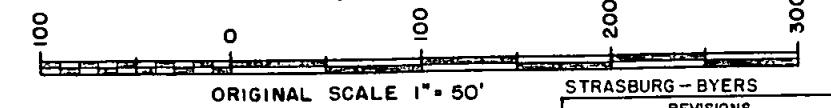






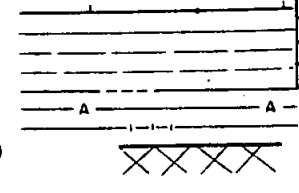
| RIGHT OF WAY            |          |               |          |              |
|-------------------------|----------|---------------|----------|--------------|
| FEDERAL ROAD REGION NO. | DIVISION | PROJ. NO.     | SHEET NO | TOTAL SHEETS |
| 9                       | COLORADO | I-70-4(10)316 | 32       |              |

CHANNELIZATION DETAILS, INTERCHANGE: Sta. 1720+



LEGEND

- Control Line
- Lane Edge
- Lane Edge (Present)
- Shoulder
- Right of Way
- Access Denied by Deed
- Control of Access
- Comb. Curb & Gutter (Type I)
- Raised Median



| STRASBURG - BYERS |                |     |
|-------------------|----------------|-----|
| REVISIONS         |                |     |
| 2/22/60           | Proj. name     | CEB |
| 12-19-62          | Deleted Access | JB  |

NOTE: All Dimensions to Curb are to Face of Curb.

