



**COLORADO**  
Department of  
Transportation

# DOCUMENT SEPARATOR SHEET

## REGION 5 – JUNE 2017 CONVERSION

To be placed at the beginning of each separator sheet.



r500001526

**Description:**

ROW Plans 11X17

**Route # and Mile Points:**

SH 15

**Originating Office:**

ROW/Survey

**File Name:**

S 0113(4)\_ROW(.PDF)

**Box Location:**

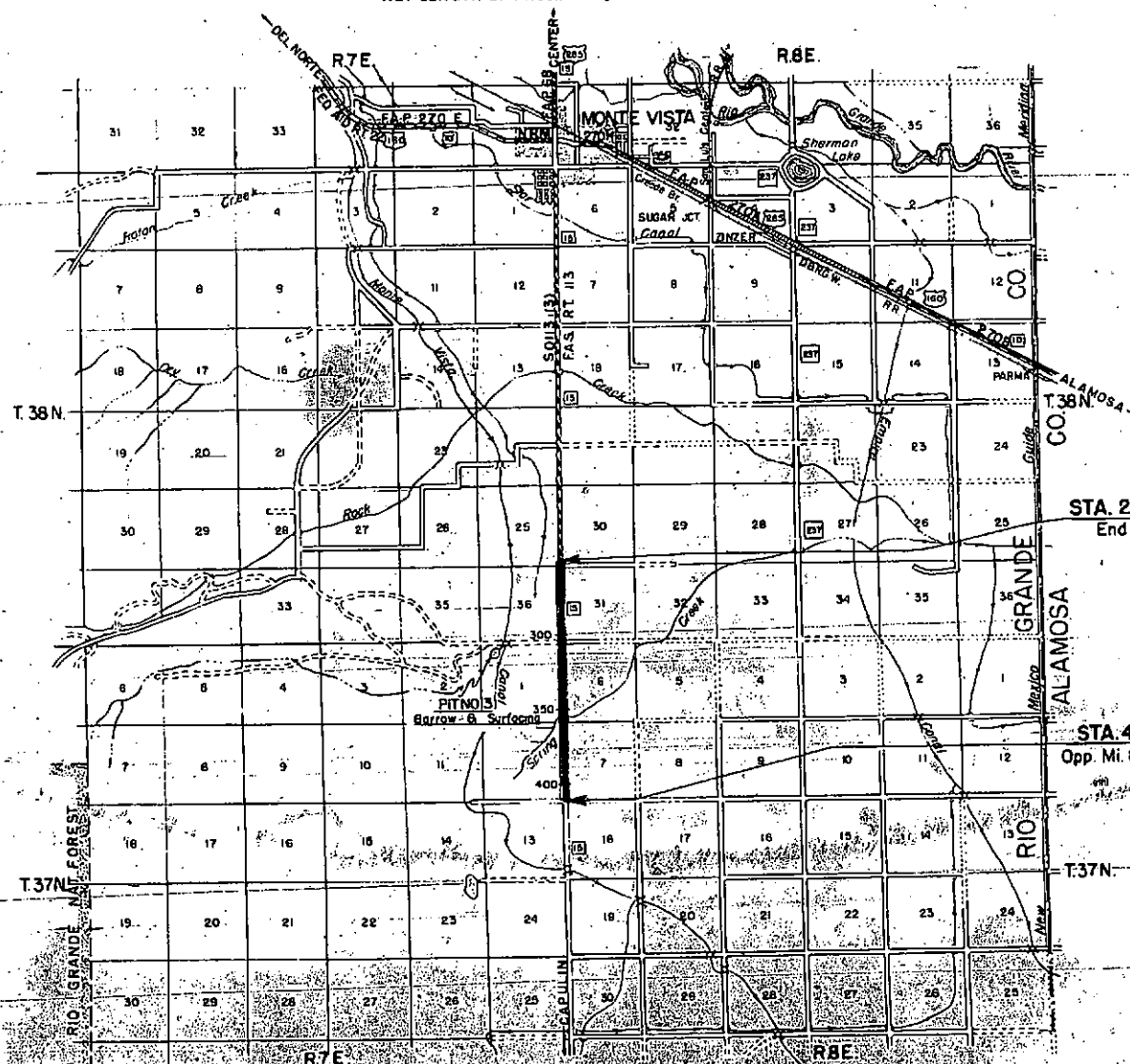
25 of 38



- INDEX OF SHEETS
- SHEET NO. 1 SKETCH MAP & TITLE PAGE.  
2 TYPICAL SECTIONS, GENERAL NOTES & SUMMARY OF APPROXIMATE QUANTITIES.  
3 LIST OF STRUCTURES.  
4 LIST OF STRUCTURES CONT., TABULATION OF LENGTH AND DESIGN, MARKER POSTS & SURFACING PLAN.  
5 STANDARD MARKER POSTS.  
6 DELETED.  
7 MARKER POST.  
8 STANDARD SIDE APPROACH ROADS, FLARING, CUT SLOPE TREATMENT & WIDENING AT BRIDGES AND AT CREST OF GRADES.  
9 STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS.  
10-15 ALIGNMENT PLAN AND PROFILE.  
16-62 CROSS SECTIONS.  
63 SUMMARY OF EARTHWORK QUANTITIES.

COLORADO  
STATE HIGHWAY DEPARTMENT  
PLAN AND PROFILE OF PROPOSED  
FEDERAL AID SECONDARY PROJECT NO. S0113 (4)  
STATE HIGHWAY NO. 15  
RIO GRANDE COUNTY

SCALES OF ORIGINAL TRACINGS  
ON PLAN, 1 IN. = 100 FT.  
ON PROFILE 11 IN. = 100 FT. HORIZONTAL  
11 IN. = 10 FT. VERTICAL  
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD  
GROSS LENGTH OF PROJECT 16290 FT. = 3.085 MI.  
NET LENGTH OF PROJECT



| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S 0113(4) | 1         | 63           |

FINAL CONSTRUCTION SHEET

CONVENTIONAL SIGNS

CENTER LINE  
COUNTY LINE  
TOWNSHIP OR RANGE LINE  
SECTION LINE  
QUARTER SECTION LINE  
PRESENT ROAD (PLAN SHEETS)  
RAILROAD  
BARBED WIRE FENCE  
WOVEN WIRE-COMBINATION FENCE  
TELEPHONE & TELEGRAPH LINE  
POWER LINE

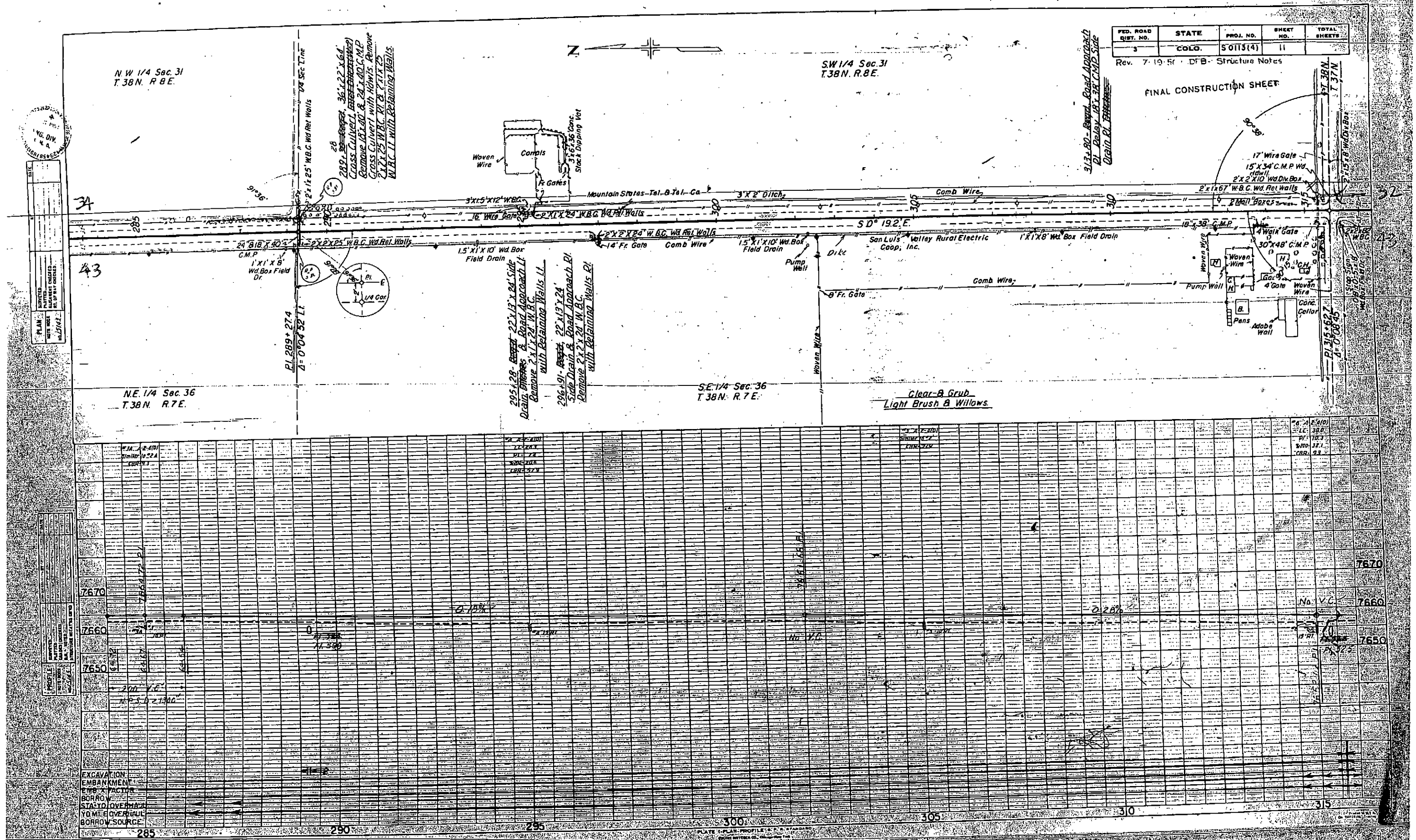
NOTE TO BIDDERS:  
It is recommended that bidders on this project go over the plan details with one of the following field representatives of this Department.

Mr. J.E. Casey - Construction Engineer, Durango, Colo.  
Mr. R.B. Dudley - Resident Engineer, Alamosa, Colo.

|                                                  |                 |
|--------------------------------------------------|-----------------|
| HIGHWAY DEPARTMENT<br>STATE OF COLORADO          |                 |
| RECOMMENDED FOR APPROVAL:                        |                 |
| <i>James Bell</i><br>ASSISTANT ENGINEER          | 6-28-50<br>DATE |
| APPROVED:                                        |                 |
| <i>Mark H. Westman</i><br>STATE HIGHWAY ENGINEER | 6-28-50<br>DATE |

|                                                  |  |
|--------------------------------------------------|--|
| DEPARTMENT OF COMMERCE<br>BUREAU OF PUBLIC ROADS |  |
| RECOMMENDED FOR APPROVAL:                        |  |
| DISTRICT ENGINEER                                |  |
| DATE                                             |  |
| APPROVED:                                        |  |
| DIVISION ENGINEER                                |  |
| DATE                                             |  |





| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | S 0113(4) | 12        |              |

Rev. 7-19-50-OFB Structures Notes

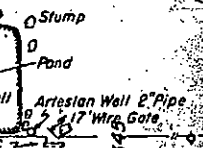
S.W. 1/4 Sec. 6  
T. 37 N. R. 8 E.

FINAL CONSTRUCTION SHEET

N.W. 1/4 Sec. 6  
T. 37 N. R. 8 E.

329+65 - Right 22' x 13' x 24' Side  
Drain RI 8, 22' x 13' x 24' Side Drain  
Remove Road Approaches RI 8 & L.  
Remove 2' x 2' x 2' W.B.C. with  
retaining walls RI. Retain  
2' x 1' x 24' W.B.C. with retaining  
walls LI.  
330+ to 364+ Bridge Dike on RI  
Details on Sheet No. 2 x  
See 4-Sections for more

337+00 - Right 22' x 13' x 24' Side  
Drain RI 8 Road Approach RI  
Relay 24' x 32' CMP as Cross  
Culvert Sta. 322+16



Artesian Well 2" Pipe  
4' x 17' Wire Gate

1' x 18' Wd. Box  
Field Drain

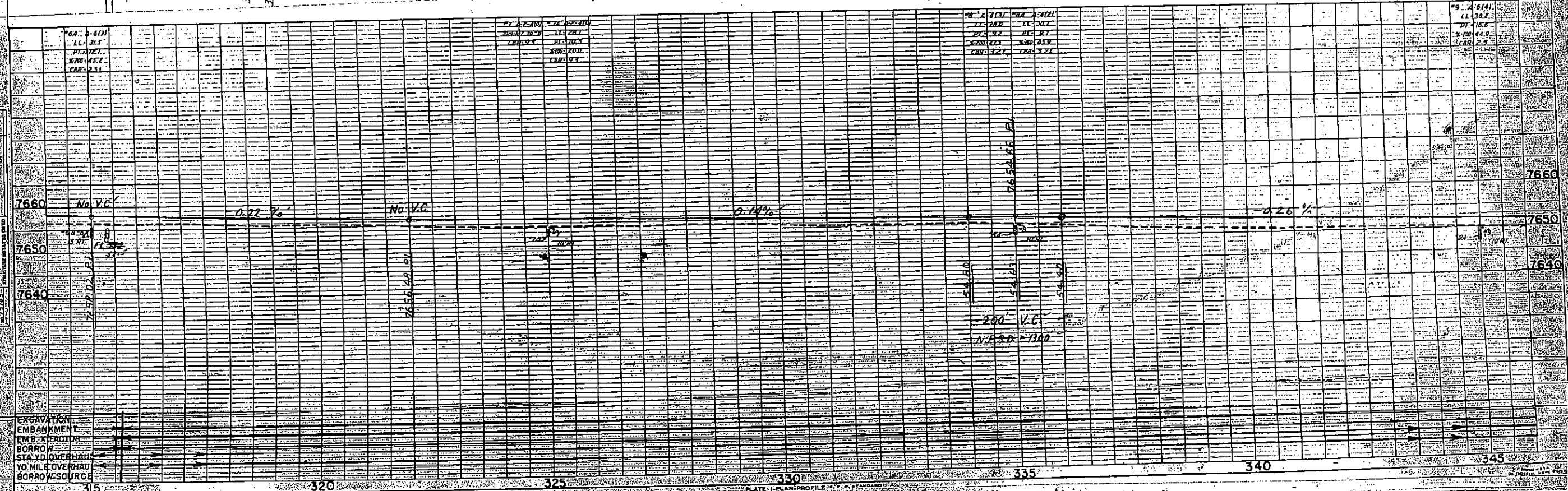
1' x 18' Wd. Box  
Field Drain

344+20 - Right 22' x 13' x 24' Side  
Drain RI 8 Road  
Approach LI Remove  
2' x 1' x 24' W.B.C. LI

SE 1/4 Sec. 1  
T. 37 N. R. 7 E.

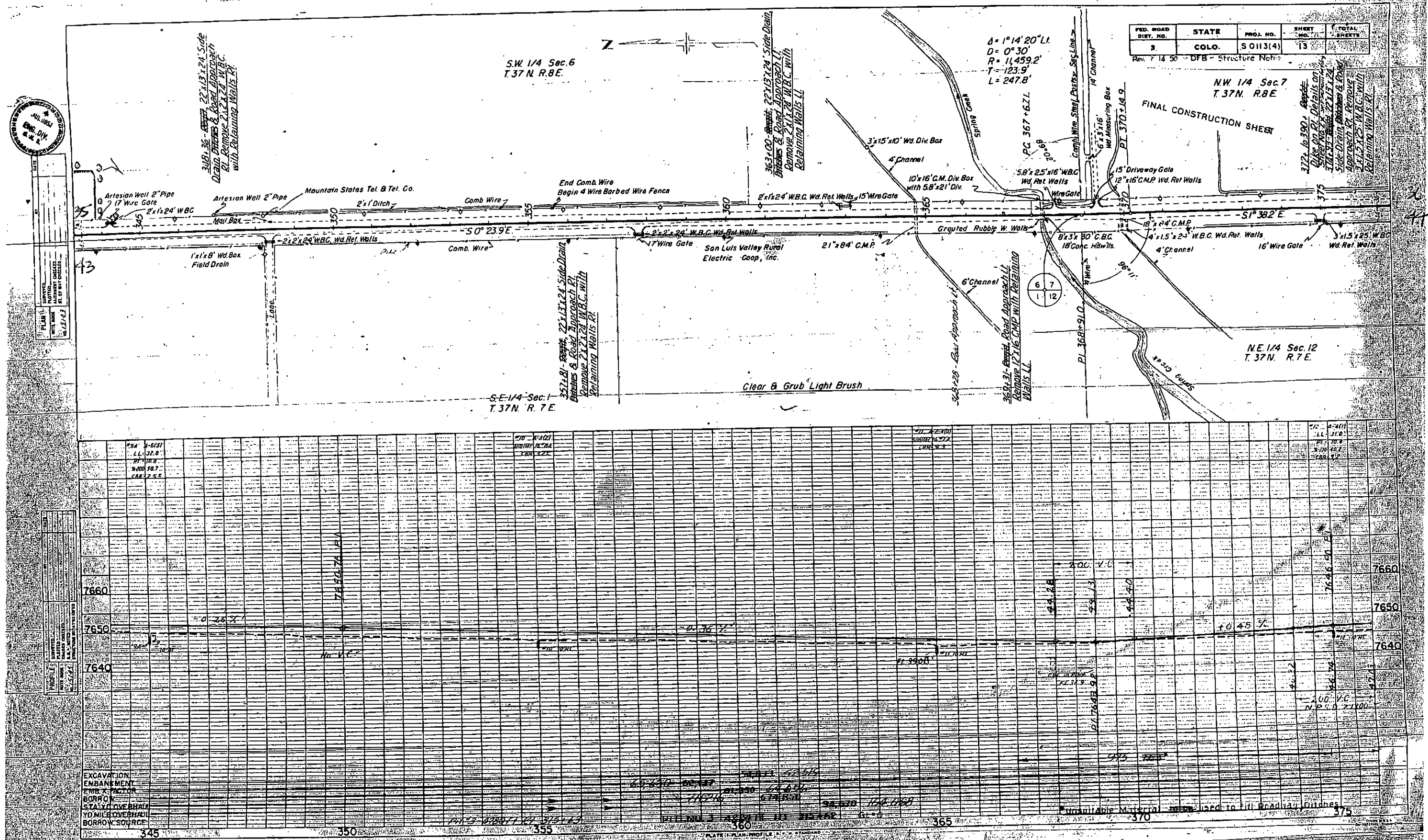
Clear & Grub Light Brush

NE 1/4 Sec. 1  
T. 37 N. R. 7 E.



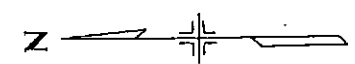
EXCAVATION  
EMBANKMENT  
EMB. FACTOR  
BORROW  
STA. YD. OVERHAUL  
YD. MILE OVERHAUL  
BORROW SOURCE

PLATE 1-PLAN/PROFILE





| FED. ROAD DIST. NO. | STATE | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|-----------|-----------|--------------|
| 3                   | COLO. | SO113(4)  | 15        | 15           |



S.W. 1/4 Sec. 7  
T. 37N. R. 8 E.

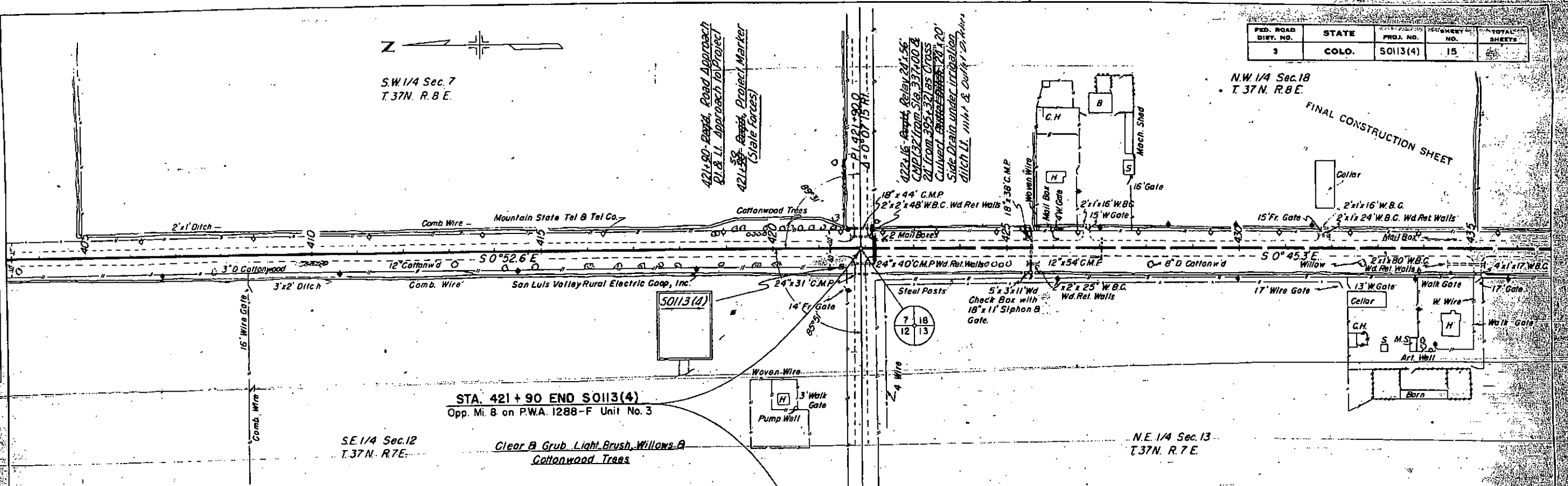
N.W. 1/4 Sec. 18  
T. 37N. R. 8 E.

FINAL CONSTRUCTION SHEET

421+90-2424 Road Approach  
21' & 11' Approach to Project  
421+90-2424 Project Marker  
(State Forces)  
422+16-2424 Road Approach  
21' & 11' Approach to Project  
422+16-2424 Project Marker  
(State Forces)  
422+16-2424 Road Approach  
21' & 11' Approach to Project  
422+16-2424 Project Marker  
(State Forces)

|         |      |    |         |
|---------|------|----|---------|
| PLAN    | DATE | BY | CHECKED |
| 10/1/22 |      |    |         |

|         |      |    |         |
|---------|------|----|---------|
| PROFILE | DATE | BY | CHECKED |
| 10/1/22 |      |    |         |



EXCAVATION  
EMBANKMENT  
EMBANKMENT  
BORROW  
STA. TO OVERHAUL  
10 MILE OVERHAUL  
BORROW SOURCE

PLATE 1 - PLAN PROFILE - 1/2" = 1' HORIZ.  
1" = 10' VERT.

NOTE:  
See Standard M-2-DM for details of cut slope treatment, flaring and widening for guard fence and/or marker posts.

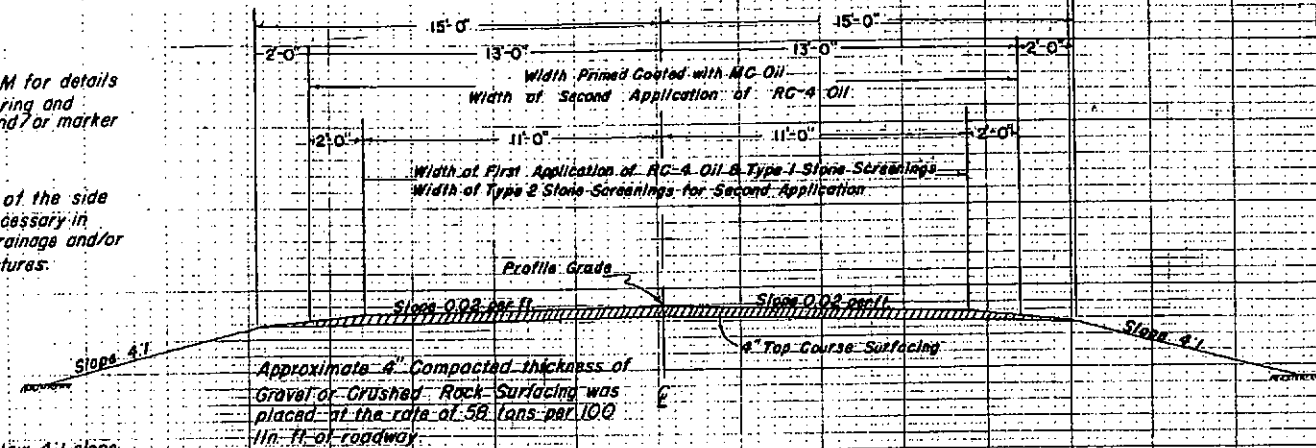
The depth and width of the side ditch was varied where necessary in order to provide proper drainage and/or entrance to drainage structures.

Excavation or Borrow below 4:1 slope and/or 10:1 slope was not permitted.

This project was constructed in conformity with the Standard Specifications of the Colorado State Highway Department adopted January 1, 1948.

Excavation Area Cu. Yds. Embankment Area Cu. Yds. Excavation Area Cu. Yds. Embankment Area Cu. Yds.

### TYPICAL SECTION



### GENERAL NOTES

### SUMMARY OF FINAL QUANTITIES

| ITEM NO. | ITEM                                        | UNIT   | ROADWAY   | PROJECT TOTALS |
|----------|---------------------------------------------|--------|-----------|----------------|
| 10a      | Cleaning & Grubbing Entire Project          | Lmp 5m |           | \$3000.00      |
| 11a      | Removal & Restoring Mail Boxes              | Lmp 5m |           | \$100.00       |
| 11b      | Removal of Structures                       | Lmp 5m |           | \$700.00       |
| 13c      | Unclassified Excavation                     | Cu Yd  | 99,953    | 99,953         |
| 13d      | Unclassified Ditch Excavation               | Cu Yd  | 5.8       | 5.8            |
| 14b      | Dry Common Excavation                       | Cu Yd  | 118.7     | 118.7          |
| 14d      | Wet Common Excavation                       | Cu Yd  | 8.1       | 8.1            |
| 16a      | Structure Backfill                          | Cu Yd  | 152.4     | 152.4          |
| 16d      | Mechanical Tamping                          | Hour   | 43        | 43             |
| 17a      | Rolling with Tamping Roller (2 Unit)        | Hour   | 282       | 282            |
| 17b      | Rolling with Flat Wheel Roller              | Hour   | 159.5     | 159.5          |
| 17ax     | Furnishing Tamping Roller (2 Unit)          | Each   | 1         | 1              |
| 17b      | Furnishing Flat Wheel Roller                | Each   | 1         | 1              |
| 17g      | Netting (100.5 on End, 164.5 on Surfacing)  | Nt Gal | 1,560     | 1,560          |
| 18a      | Station Road Overhaul                       | Sta Yd | 1,007,342 | 1,007,342      |
| 18b      | Yard Mile Overhaul                          | Yd Mi  | 22,971    | 22,971         |
| 18c      | Ton Mile Overhaul                           | Ton Mi | 9,231     | 9,231          |
| 26c      | Gravel or Crushed Rock Surfacing (Grinding) | Ton    | 98,955    | 98,955         |
| 30a      | Asphaltic Road Material R-4                 | Gal    | 26,462    | 26,462         |
| 30r      | Asphaltic Road Material M-2                 | Gal    | 22,391    | 22,391         |
| 31c      | Stone Screenings (Type 1)                   | Ton    | 740.75    | 740.75         |
| 31d      | Stone Screenings (Type 2)                   | Ton    | 359.2     | 359.2          |
| 31b      | Relaying 18" Pipe                           | Lin Ft | 38        | 38             |
| 31c      | Relaying 24" Pipe                           | Lin Ft | 36        | 36             |
| 33c      | 24" Corrugated Metal Culvert Pipe           | Lin Ft | 70        | 70             |
| 33d      | 24" Asbestos Bonded Which Cul (Billed)      | Lin Ft | 80        | 80             |
| 33a      | 30" Corrugated Metal Culvert Pipe           | Lin Ft | 11        | 11             |
| 34       | Marker Posts                                | Each   | 8         | 8              |
| 134b     | 22 1/2" Asbestos Bonded Which Cul (Billed)  | Lin Ft | 240       | 240            |
| 134d     | 36 1/2" Asbestos Bonded Which Cul (Billed)  | Lin Ft | 64        | 64             |
| 51A      | STATE JACKETS                               |        |           |                |
| 51a      | Rail Markers                                | Each   |           | 1              |

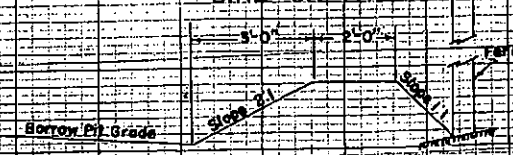
### MARKER POSTS

| STATION | SIDE  | SPACING | NO. |
|---------|-------|---------|-----|
| 285+00  | Right | Culvert | 2   |
| 315+34  | Right | Culvert | 2   |
| 367+07  | Right | Culvert | 2   |
| 392+00  | Right | Culvert | 2   |

Reference Book 3, Page 20

TOTAL 8.1

### TYPICAL SECTION DIKE ON RIGHT



| EXCAVATION | EMBANKMENT |
|------------|------------|
| TOTALS     | TOTALS     |