FAP-295-B(2)

&

FAP-295-C(2)

RED. 23-1

FAP 295-B(2) & FAP 295-C (2)
La Jara – Antonito

FINAL RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 1 | 15 |

D. & R.G.W. RAILROAD (STANDARD & NARROW GAUGE)

℄ Narrow Gauge

MILL

PC 20+81

S.D.> 1000 Ft.
Δ = 11°50' L.
D = 2°00'
T = 296.9'
L = 591.7'
R = 2865.0'

Shed

House

Canning Factory

PT 26+08.8

Present Road

S 0°43' W

SPRUCE ST.
S. 12°33' W.

STA. 20+72 BEGINNING OF F.A.P. 295-B (2)

TOWN OF LA JARA

PI 23+10.0

Mrs. H. T. McPeak
Recorded Book 173 Page 56

PC 30+59.0

Δ = 11°50' R
D = 2°00'
T = 296.9'
L = 591.7'
R = 2865.0'
S.D.>1000 Ft.

PI 33+55.9

POS 32+64.5

PT 36+50.7 BACK =
37+01.2 AHEAD

EQUATION:

S 12°33' W

Helen Hunt
Recorded Book 173 Page 57

Tract #50
Lots in Acreage Tract
SW ¼ Sec. 14
T 35N, R 4E

No Stone Found

400' V.C.

200' V.C.

200' V.C.
NPSD IN EXCESS OF 1300 FT.

200' V.C.

-0.12%

+0.153%

0.00%

+0.19%

7610
7600
7590

7605.90 P.I.
7604.70 P.I.
7606.00 P.I.
7606.00 P.I.

05.27
05.71
05.78
04.94
04.84
05.01
05.70
05.70
05.85
05.96
06.00
06.00
06.03
06.18

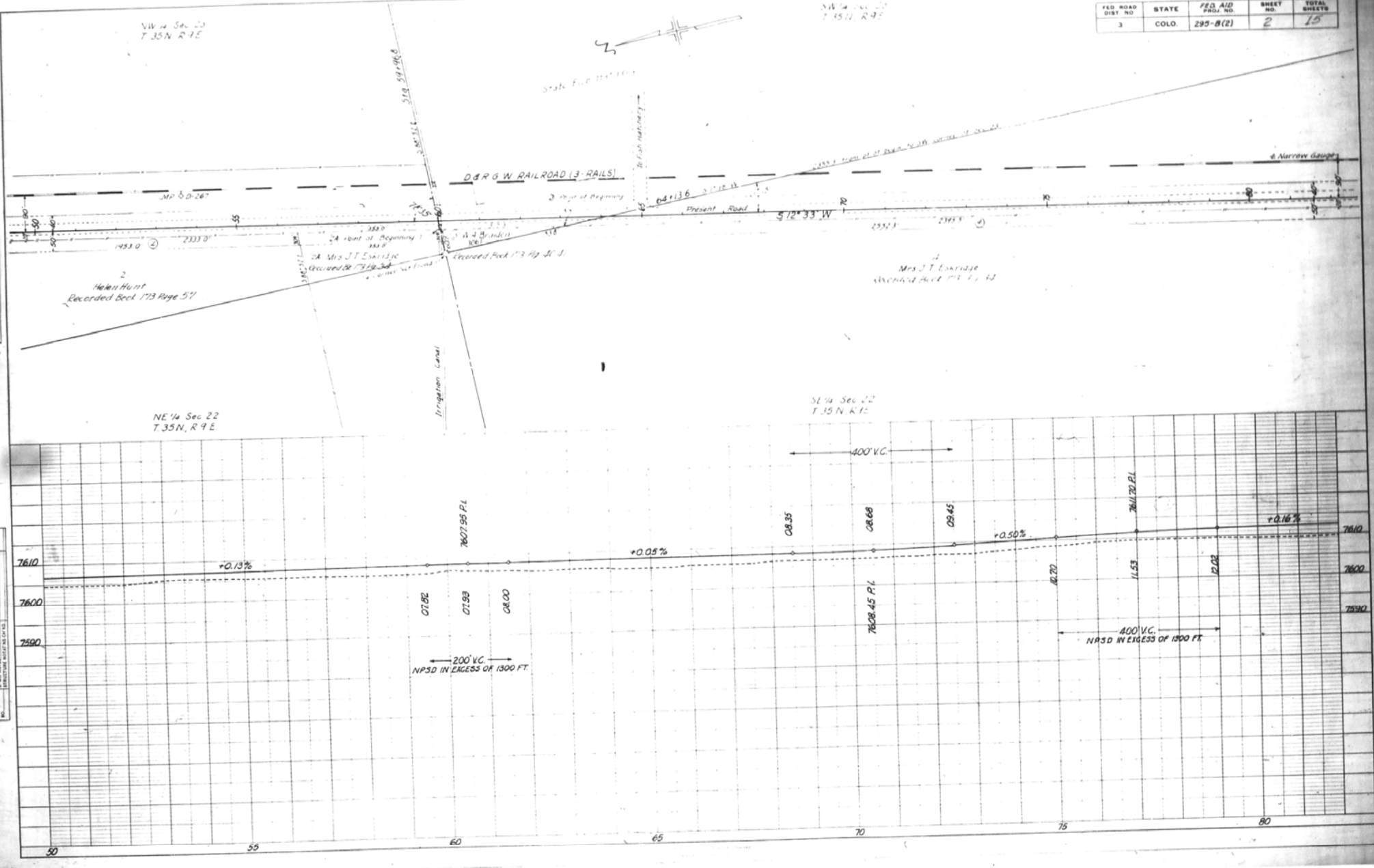
20
25
30
35
40
45
50

FLAN
SURVEYED
PLOTTED
NOTE BOOK
PLOT OF MAP CHECKED
NO.

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
GRADES CHECKED
NO.
B.M. OVER NEXT P.I. ON R.O.
ELEVATION NEXT P.I. ON R.O.

FINAL RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 2 | 15 |




PLAN
SURVEYED
PLOTTED
PROFILE CHECKED
NOTE BOOK
AT VAR CHECKED
NO.

PROFILE
SURVEYED
PLOTTED
PROFILE CHECKED
NOTE BOOK
& W.S. NOTES
DIRECTIONS AGREE ON CH. 13
NO.

RIGHT OF WAY MAP

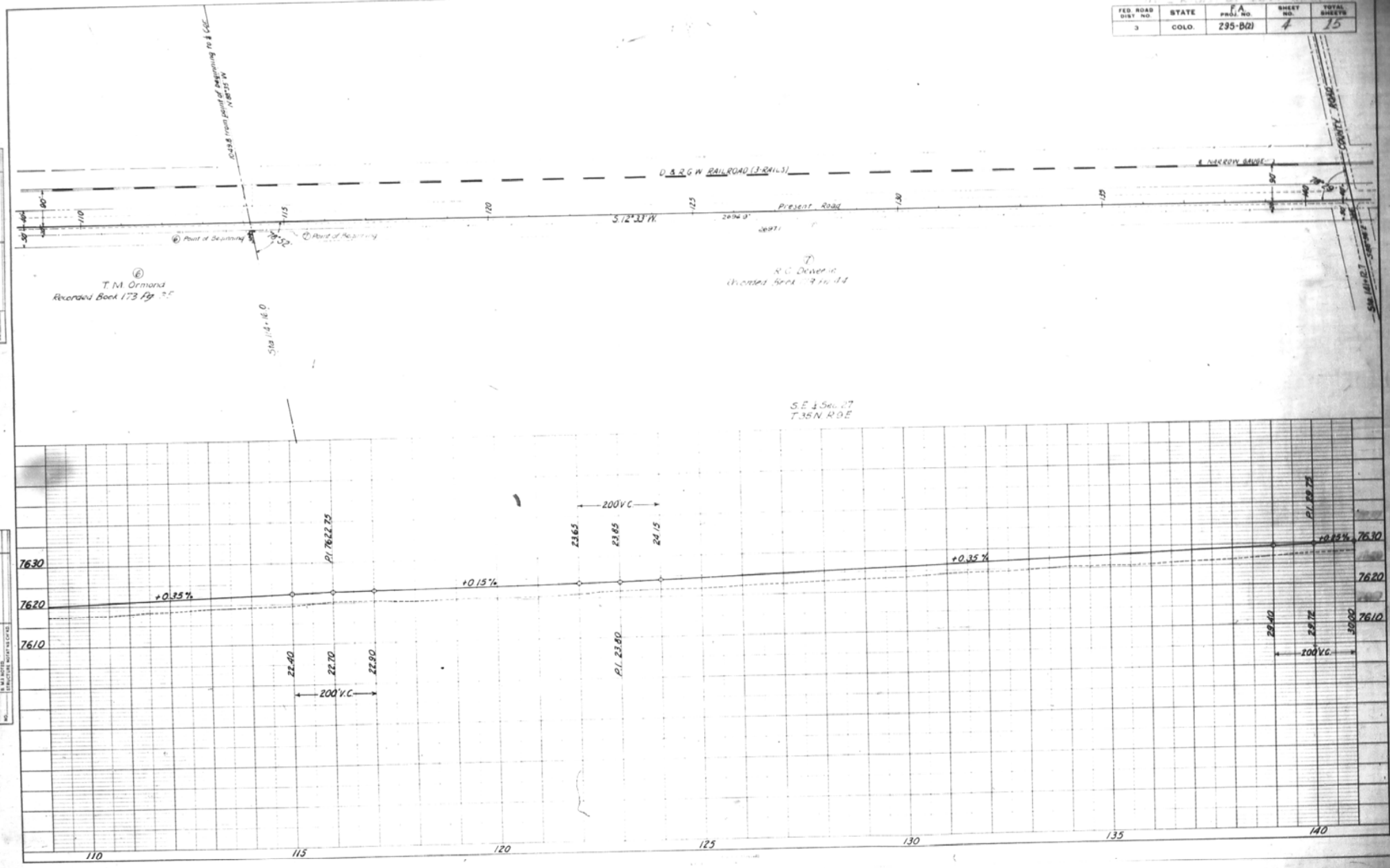
| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 3 | 15 |


PLAN
SURVEYED
PLOTTED
NOTE BOOK
NO.
PLOTTED
CHECKED
RT. OF WAY CHECKED

PROFILE
SURVEYED
PLOTTED
NOTE BOOK
NO.
PLOTTED
CHECKED
B. M. NOTED
STRUCTURE DATA CHECKED
DATE
BY

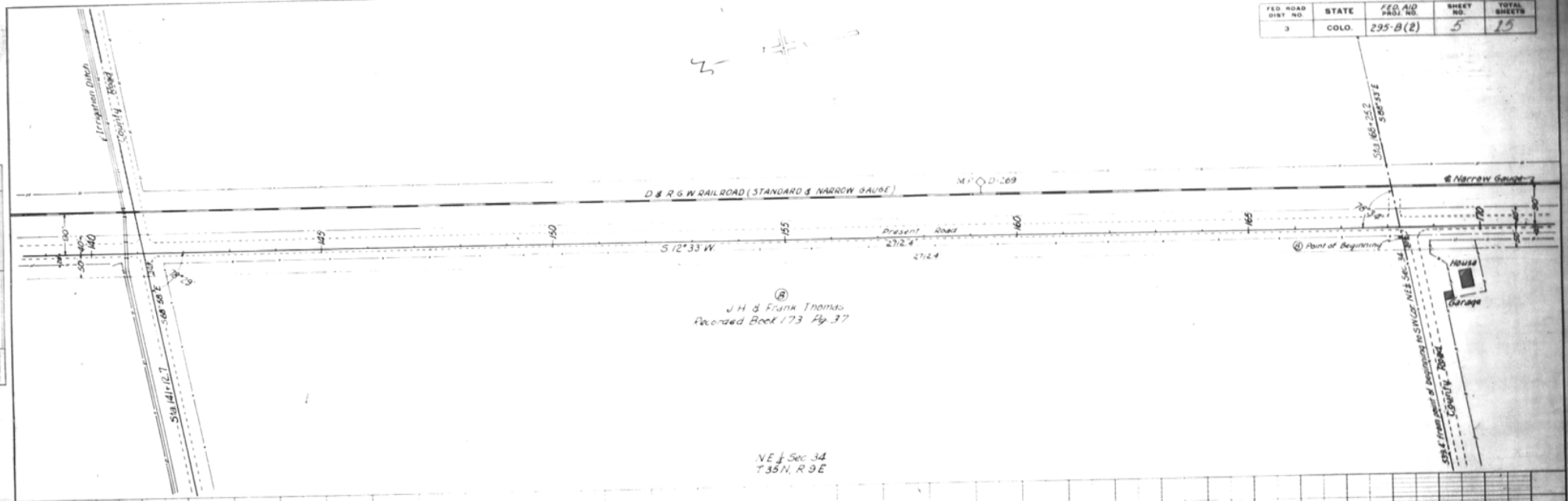
FILE RIGHT OF WAY MAP

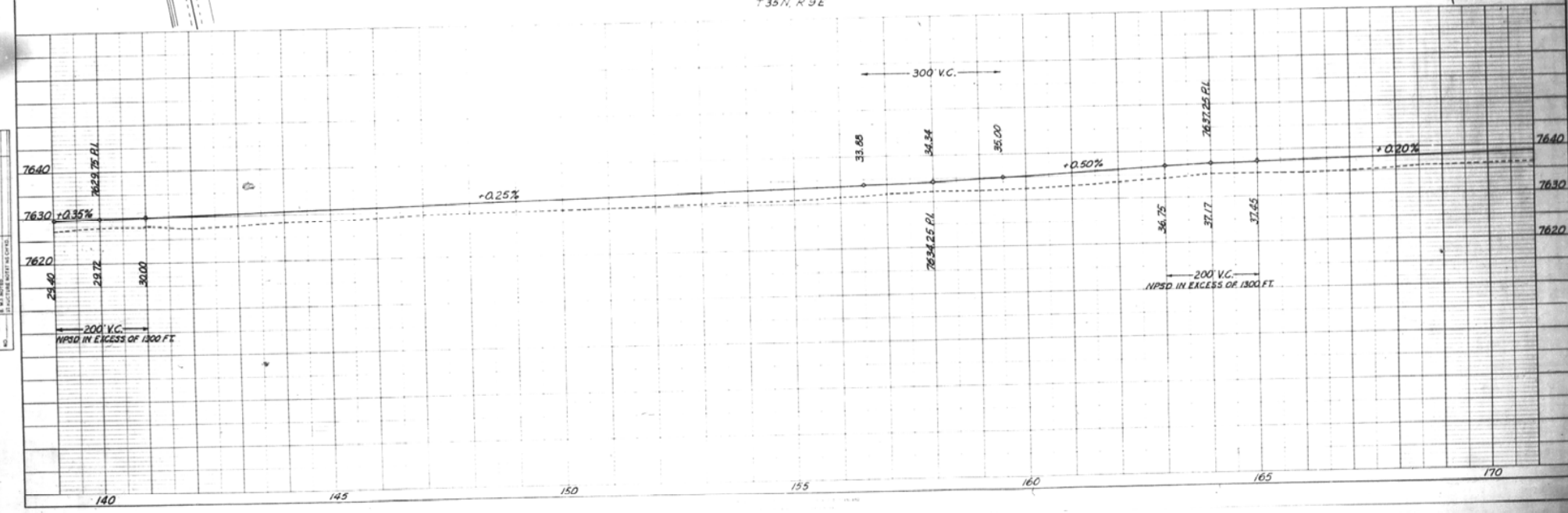
| FED. ROAD DIST NO | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 4 | 15 |



RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 5 | 15 |



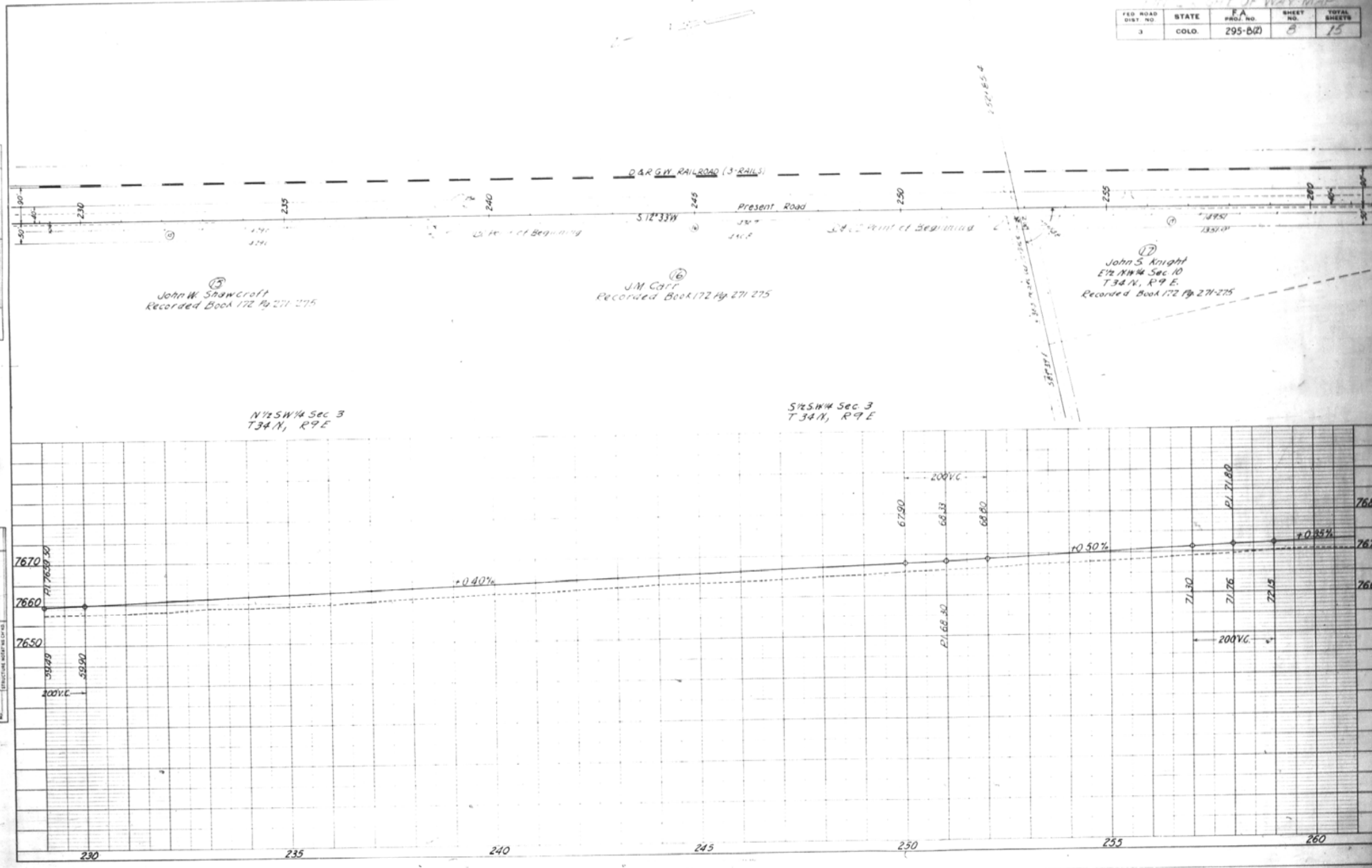




PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BY P.W.A. CHECKED
NOTE BOOK
NO.
DATE
BY

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BY W.J. NOTED
NOTE BOOK
NO.
DATE
BY

RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 8 | 15 |




PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT OF WAY CHECKED

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B & S CHECKED
STRUCTURE NOTAT NO. OF NO.

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 6 | 25 |

NE¼ Sec. 3
T34N, R9E.

(13) Melvin Jackson
Recorded Book 173 Pg. 27

℄ Narrow Gage

D & R G W RAILROAD (3-RAILS)

Present Road

S 12°33'W

Point of Beginning

(9) Herbert S. Coats
Recorded Book 173 Pg. 71

House

Garage

(10) Point of Beginning

(12) Point of Beginning

(11) Point of Beginning

Planing Mill
Cole Joists

Shed

Ice house

Beet Loader

Beet Dump

Scales House

(12) Walter R. Gibson
Recorded Book 173 Pg. 25

(11) Clifford J. Dann
Recorded Book 173 Pg. 26

(12) Yvonne Sanders
Recorded Book 172 Pgs. 271, 275

No Stone found

(14) M.J.A. Ross
Recorded Book 173 Pg. 36

SE¼ Sec. 34
T35N R9E

WEST FIRST STREET

TOWN OF BOUNTIFUL

SOUTH 4TH STREET

COUNTY ROAD

E½ NW¼ Sec. 3
T34N, R9E.

539.4' from point beginning to NW Cor. SE¼ Sec. 34

S 89°53'E

N 89°34'W

PROFILE

NOTE BOOK NO.

SURVEYED

PLOTTED

PLOTTED CHECKED

HYD. GRADE CHECKED

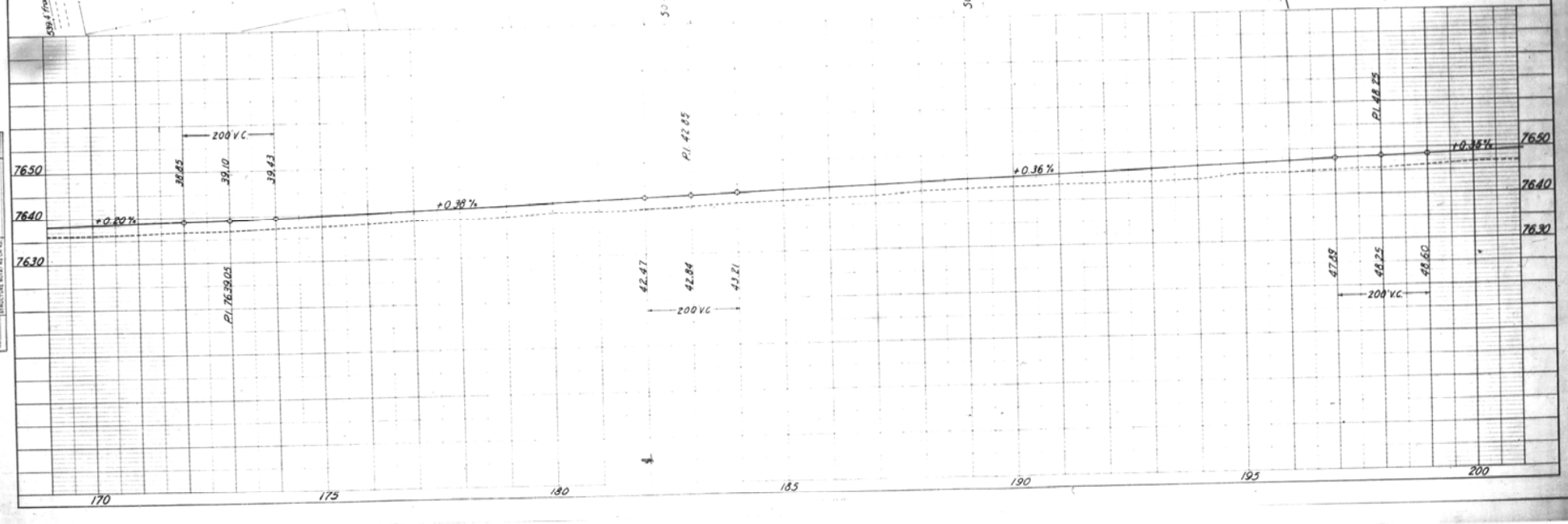
STRUCTURE NOTES NO. CH. 43

NOTE BOOK NO.

PLOTTED

PLOTTED CHECKED

HYD. GRADE CHECKED



RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 9 | 15 |


PROFILE
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.W.S. NOTED
STRUCTURE DATA NOTED
NOTE BOOK NO.

NOTE BOOK NO.
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED

FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS
3 | COLO. | 295-B(2) | 10 | 13

RIGHT OF WAY MAP

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BY
BY

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
BY
BY
DATE

NARROW GAUGE TRACK

D & R G W RAILROAD (3-RAILS)

Present Road

S.12°38'W

Point of Beginning

County Road

S18°30'E 24.0

S88°33'E

S88°33'E

Stone in Place

U8
James Cairn
Recorded Book 172 Pg 211 275

U9
W.A. Braiden
Recorded Book 173 Pg 41

NW¼ of NW¼ Sec 15
T34N, R9E

SW¼ Sec 10
T34N, R9E

200 295 300 305 310 315 320

7700 7690 7680

+0.50% +0.34% +0.60% +0.47%

P.I. 76 90.80

P.I. 94.20

P.I. 97.80

200' V.C.

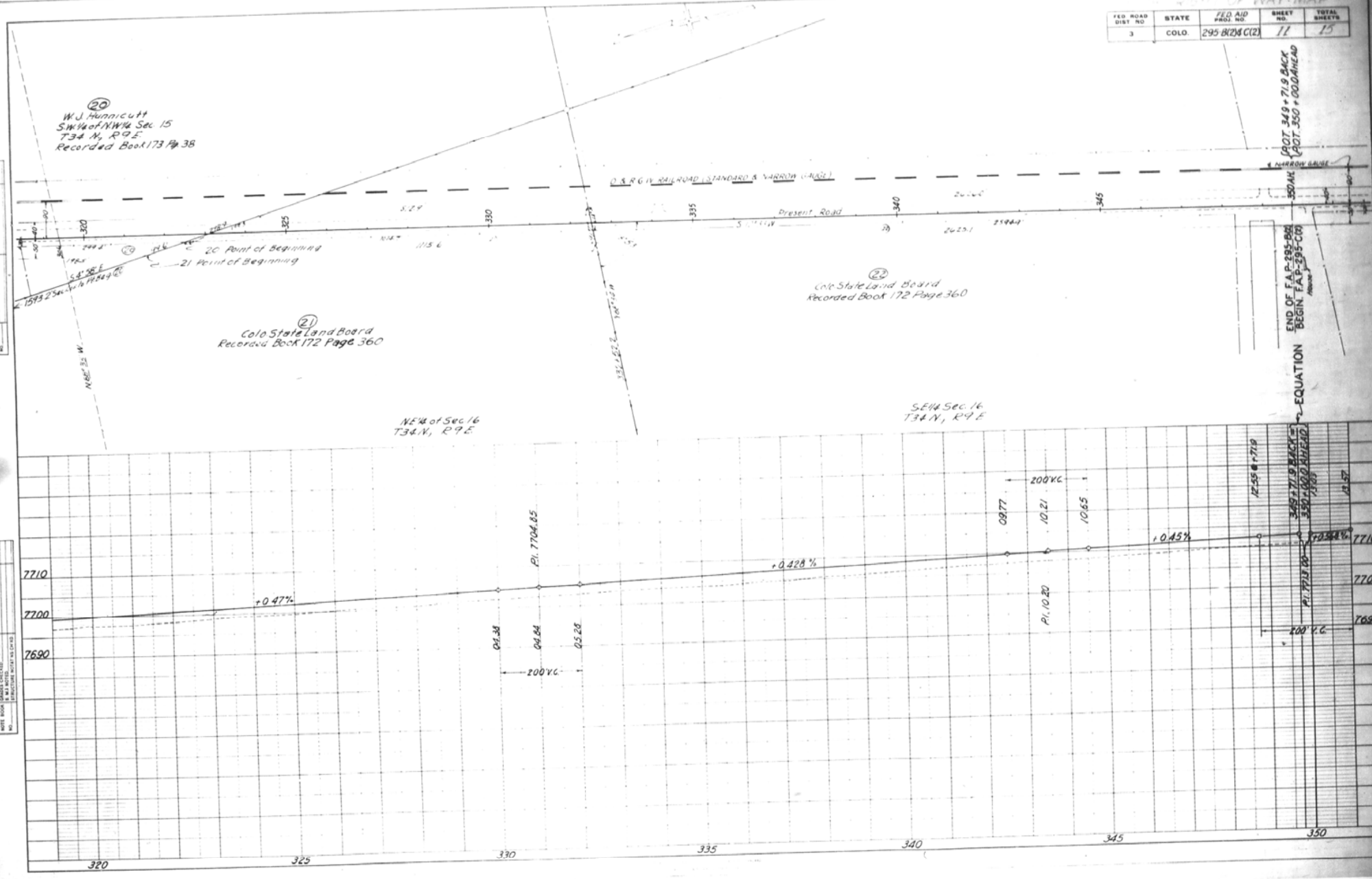
90.30 90.76 91.14

93.36 94.27 94.80

97.20 97.77 98.27

RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295 B(2)4 C(2) | 11 | 15 |



RIGHT OF WAY MAP

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-C(2) | 12 | 15 |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) & 295-C(2) | 1 | |

# COLORADO
# STATE HIGHWAY DEPARTMENT

## PLAN AND PROFILE OF PROPOSED
## FEDERAL AID PROJECT NO. F.A.P.-295-B(2)
## FEDERAL AID PROJECT NO. F.A.P.-295-C(2)
## STATE HIGHWAY NO. 17
## CONEJOS COUNTY

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

| | F.A.P.-295-B(2) | F.A.P.-295-C(2) |
|---|---|---|
| GROSS LENGTH OF PROJECT | 32,849.4 FT. = 6.221 MI. | 11,100.0 FT. = 2.102 MI. |
| NET LENGTH OF PROJECT | | |

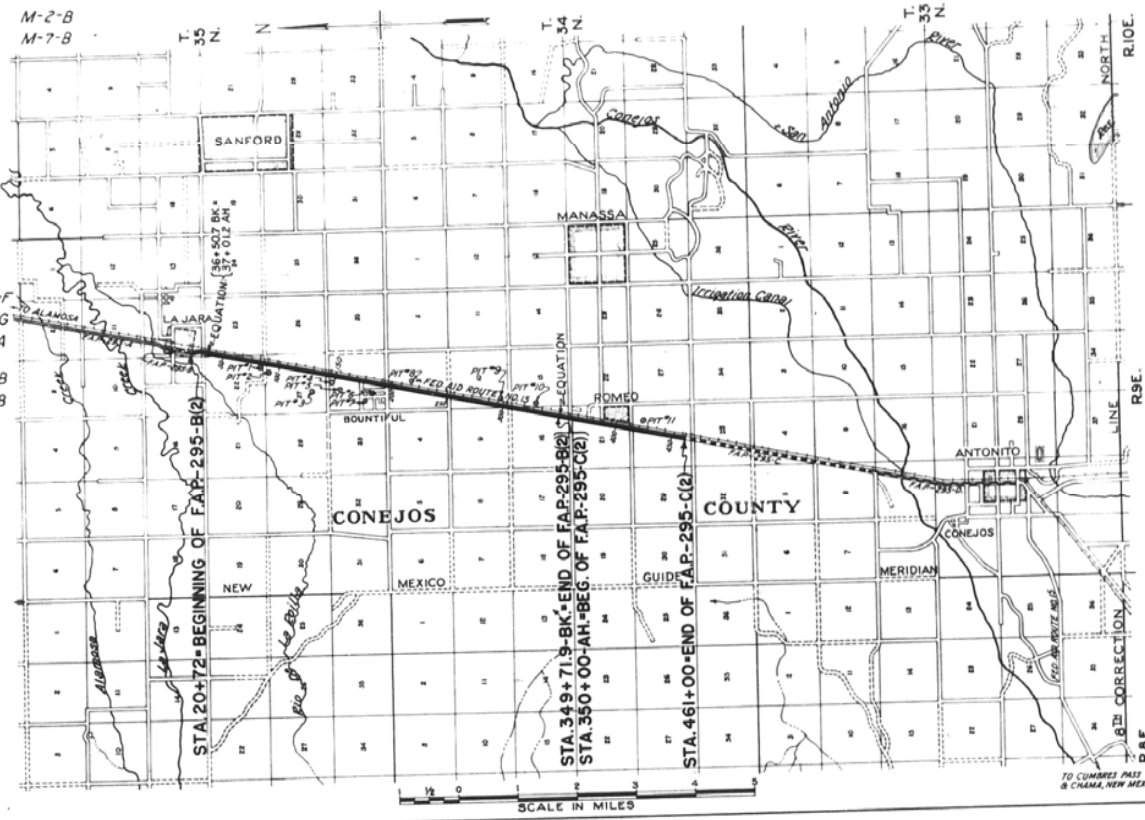
### INDEX OF SHEETS

F.A.P. 295-B(2)

1. Title Sheet
2. Typical Section, Summary of Quantities and Selected Material Plan.
3. List of Structures, CMP Culverts to be Relayed.
4. List of Structures and Surfacing Plan.
5. Roadway Details, Fencing, Markers.
6. Standard Headwall for CMP Culverts — M-102-F
7. Standard Concrete Box Culverts — M-103-E
8. Standard Wire Fences (Tr. Wood Posts) — M-24-G
9. Standard Structure Year Number Marking — M-14-A
10. Standard Methods for Superelevation and Widening of Curves — M-1-B
11. Typical Side Approach Roads - Roadway Construction Traffic Signs — M-2-B, M-7-B
12. Standard Marker Posts
13-23. Plan and Profile Sheets.
28-142 Cross Sections See F.A.P. for X-sections

F.A.P. 295-C(2)

1. Title Sheet
2. Typical Section, Summary of Quantities
3. List of Structures, CMP Culverts to be Relayed
4. List of Structures
5. Roadway Details, Fencing, ROW Markers
6. Standard Headwalls for CMP Culverts — M-102-F
8. Standard Wire Fences (Tr. Wood Posts) — M-24-G
9. Standard Structure Year Number Marking — M-14-A
11. Typical Side Approach Roads - Roadway Construction Traffic Signs — M-2-B, M-7-B
12. Standard Marker Posts
24-27. Plan and Profile Sheets
~~143-176. Cross Sections~~ See F.A.P. for X-sections




### CONVENTIONAL SIGNS

CENTER LINE OF SURVEY
RIGHT OF WAY LINES
COUNTY LINE
TOWNSHIP OR RANGE LINES
SECTION LINES
ONE QUARTER SECTION LINES
BARBED WIRE FENCES
COMBINATION WIRE FENCES
TELEGRAPH LINES
POWER LINES
TELEPHONE LINES
PRESENT ROAD
RAILROAD TRACKS

**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.
W.J. Walsh, Ass't. Division Engineer, Alamosa, Colo.

RECOMMENDED FOR APPROVAL
ASSISTANT ENGINEER — DATE 11-1-40

APPROVED
STATE HIGHWAY ENGINEER — DATE

RECOMMENDED FOR APPROVAL
DISTRICT ENGINEER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

RECOMMENDED FOR APPROVAL
CHIEF, WESTERN REGION
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

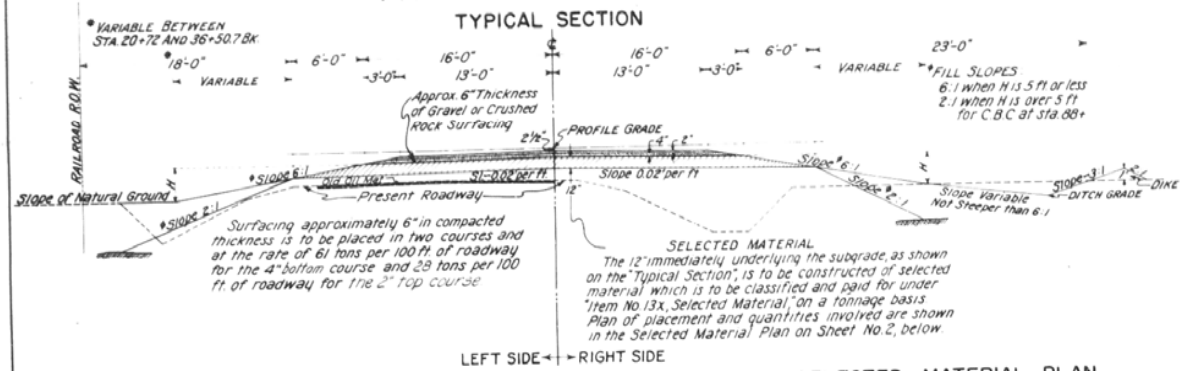
APPROVED
COMMISSIONER
PUBLIC ROADS ADMINISTRATION
FEDERAL WORKS AGENCY

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(10) & C(10) | 2 | |

Revised Summary – 11-20-40 – H.R.H.
Rev. Surf. wording – 12-17-40 – P.R.B.
Rev. to delete 11E, 11h & 4j from summary 12-20-40 – [illegible]
Rev. Surfacing – 2-13-41 – [illegible]

# TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

## TYPICAL SECTION




## GENERAL NOTES

This Project is to be constructed in conformity with the Standard Specifications of the Colorado State Highway Department, adopted June 1, 1940.

All quantities on preliminary plans are to be considered as approximate only.

All roadway excavation required to construct this project is to be obtained as indicated on the plans. Quantities involved beyond the limits of the ditch as shown on the Typical Section, either noted on the Profile as "Borrow" or on the List of Structures as "Embankment", are to be classified and paid for as "Unclassified Excavation".

These quantities are to be staked as part of the Original Excavation at locations indicated on the Plans. Slope stakes beyond the limits of the Typical Section are subject to change by the Engineer to fit Embankment requirements actually encountered during construction.

All curves are to be superelevated as provided for by the Standard Superelevation Sheet included with plans.

All poles encroaching on construction are to be moved by owners.

All side approach roads to the project shall be gravel surfaced with a 4 inch thickness of "Gravel or Crushed Rock Surfacing" extending approximately 30 ft. from edge of highway. Estimated tonnage of surfacing material required in this operation is shown in List of Structures.

Overhaul will be paid for as measured along center line of project, unless otherwise noted on the plans.

Headwalls for C.M.P. Culverts shall be placed only where specifically called for by notes on the plans. The ends of Corrugated Metal Pipes, which are not provided with headwalls, shall be covered with approximately six inches of embankment material in such manner that a minimum of metal shall be exposed in the completed work. This shall be accomplished by working embankment slopes around and adjacent to the Culvert.

Right-of-Way fences for this project are to be constructed entirely within the right of way as shown on the plans.

Work on this project will be on the present traveled roadway and the contractor shall, at his own expense, adequately provide for traffic and maintain in safe condition and at his own expense all temporary approaches and crossings of intersecting roads.

## SELECTED MATERIAL PLAN

It is estimated that selected material for the project is available in the vicinity of the pits indicated in the following tabulation. Estimated quantities involved in the operation are shown below. No alteration of the selected material plan as here outlined will be allowed without written permission from the Department.

| MATERIAL TO BE PLACED | SOURCE | QUANTITY TONS AVAIL. | QUANTITY TONS USED | OVERHAUL TON MILES |
|---|---|---|---|---|
| 20+72 – 93+20<br>93+20 – 116+91 | Pit No. 3–1800' rt of 128+00 | 22,294 | 16,770<br>5,524 | 11,431<br>Free Haul |
| 116+91 – 179+30<br>179+30 – 212+50 | Pit No. 4–1450' rt of 141+00 | 31,920 | 14,537<br>7,736 | Free Haul<br>2,433 |
| 212+50 – 245+70<br>245+70 – 343+30<br>343+30 – 349+71.9 | Pit No. 9–400' lt of 294+50 | 32,560 | 7,736<br>22,741<br>1,496 | 2,433<br>Free Haul<br>91 |
| TOTALS FOR F.A.P.-295-B(2) | | 86,774 | 76,540 | 16,388 |
| 350+00 – 360+89 | Pit No. 9–400' lt. of 294+50 | 2,585 | 2,538 | 571 |
| 360+89 – 378+20<br>378+20 – 461+00 | Pit No. 11–800' lt. of 423+00 | 23,904 | 4,033<br>19,292 | 661<br>Free Haul |
| TOTALS FOR F.A.P.-295-C(2) | | 26,489 | 25,863 | 1,232 |

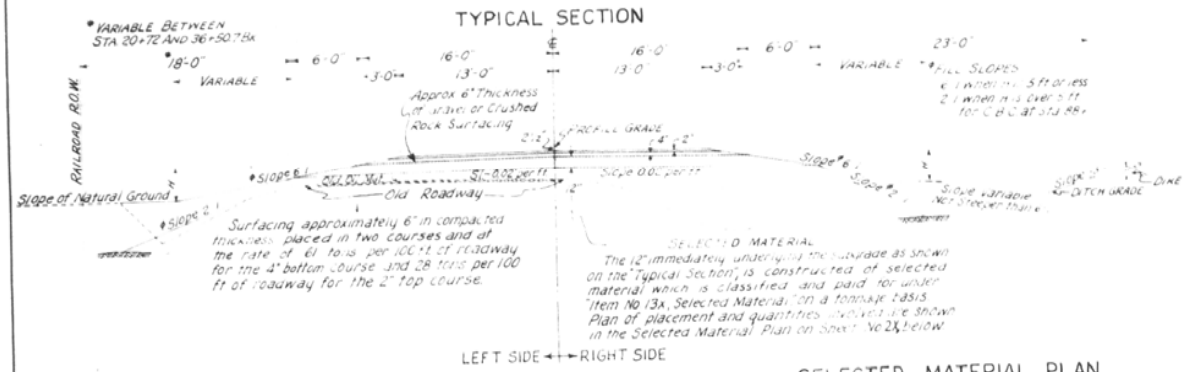
## SUMMARY OF APPROXIMATE QUANTITIES

| NO. | ITEM | UNIT | ROADWAY F.A.P.-295-B(2) FED. AID | ROADWAY F.A.P.-295-B(2) NON FED. AID | ROADWAY F.A.P.-295-C(2) FED. AID | ROADWAY F.A.P.-295-C(2) NON FED. AID | TOTALS |
|---|---|---|---|---|---|---|---|
| 10a+b | Clearing and Grubbing Entire Project | Lump Sum | •(a) | | •(b) | | •(a+b) |
| 11b | Removal of 15 Structures | " " | • | | | | • |
| 11c | Removal of 3 Structures | " " | | | • | | • |
| 11d+e | Removing Signs | Each | 5 (d) | | 3 (e) | | 8 (d+e) |
| 11i | Remove Store Building, Sta. 386+ | Lp. Sum | | | • | | • |
| 11k | Remove Gas Pumps, Sta. 386+ | " " | | | • | | • |
| 11l | Remove and Reset Headqate, Sta. 168+ | " " | • | | | | • |
| 15a | Rolling Fills | Hr. | 800 | | 200 | | 1,000 |
| 15b | Furnishing Roller | Roller Units | 2 | | 2 | | 4 |
| 11n+p | Remove and Reset Mail Boxes | Lump Sum | •(n) | | •(p) | | •(n+p) |
| 11q | Remove Headwall and Cut Keyway | Each | 3 | | | | 3 |
| 11r | Remove and Reset Project Marker | " | 1 | | 1 | | 2 |
| 11s | Move Filling Station, Sta. 386+ | Lump Sum | | | | • | • |
| 12a | Removing Fence | Lin. Ft. | 1,200 | | 2,500 | | 3,700 |
| 12b | Removing and Rebuilding Fence | " " | 32,200 | | 8,400 | | 40,600 |
| 12c | Line Posts (Treated Wood) | Each | 550 | | 125 | | 675 |
| 13c | Unclassified Excavation | Cu. Yd. | 123,000 | | 33,000 | | 156,000 |
| 13d | Unclassified Ditch Excavation | " " | 2,500 | | 200 | | 2,700 |
| 13x | Selected Material | Ton | 76,600 | | 25,900 | | 102,500 |
| 14a | Dry Rock Excavation (Structural) | Cu. Yd. | 20 | | 10 | | 30 |
| 14b | " Common Excavation (Structural) | " " | 165 | | 55 | | 220 |
| 14c | Wet Rock Excavation (Structural) | " " | 20 | | 10 | | 30 |
| 14d | " Common Excavation (Structural) | " " | 165 | | 55 | | 220 |
| 14e | Mechanical Tamping | Hr. | 90 | | 30 | | 120 |
| 18a | Station Yard Overhaul | Sta. Yd. | 1,109,000 | | 285,000 | | 1,394,000 |
| 18b | Yard Mile Overhaul | Yd. Mi. | 27,300 | | 8,800 | | 36,100 |
| 26a | Gravel or Crushed Rock Surfacing | Ton | 30,400 | | 10,600 | | 41,000 |
| 26c | Overhaul of Surfacing & Select. Material | Ton Mi. | 23,200 | | 1,800 | | 23,000 |
| 44b | Miscellaneous Treated Timber | M. Ft. bm. | 0.9 | | | | 0.9 |
| 46a | Class "A" Concrete | Cu. Yd. | 41 | | | | 41 |
| 46b | Class "B" Concrete | " " | 19 | | 2 | | 21 |
| 47 | Reinforcing Steel | Lb. | 3,900 | | | | 3,900 |
| 51 | Relaying Pipe | Lin. Ft. | 712 | | 390 | | 1,102 |
| 53b | 18" Corrugated Metal Culvert Pipe | " " | 150 | | 120 | | 270 |
| 53c | 24" " " " " | " " | 368 | | 134 | | 502 |
| 53d | 30" " " " " | " " | 72 | | | | 72 |
| 53e | 36" " " " " | " " | 44 | | | | 44 |
| 64 | Dry Rubble Slope and Ditch Paving (12" Thick) | Sq. Yd. | 20 | | | | 20 |
| 76a | Barbed Wire Fence with Treated Wood Posts | Lin. Ft. | | | | 2,100 | 2,100 |
| 76q | Barbed Wire Gates | Each | | | | 1 | 1 |
| 81a | Project Markers | " | 1 | | 1 | | 2 |
| 81b | Right of Way Markers | " | 37 | | 12 | | 49 |
| | **FORCE ACCOUNT ITEMS** | | | | | | |
| | Remove Pedestal and Basin; Pipe Well off R.O.W. 194+ | Lp. Sum | • | | | | • |
| | Obliterating Old Road | Lump Sum | • | | | | • |
| | Remove and Reset U.S. Bench Marks (State Forces) | Lp. Sum | • | | • | | • |
| | Scarify & Break up Existing Oil Mat | " " | • | | | | • |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2)&C(2) | 2-X | |

# TYPICAL CROSS SECTION OF IMPROVEMENT AND SUMMARY OF QUANTITIES

## TYPICAL SECTION




## SURFACING PLAN

Surfacing station 116+91 to 212+50 should have been hauled from pit #4 and surfacing station 212+50 to 360+87.5 should have been hauled from pit #9 but contractor elected to haul this from pit #3. Payment for overhaul for these sections are based on the plan overhaul system using pits #4 and #9.

| MATERIAL PLACED | SOURCE | QUANTITY | OVERHAUL |
|---|---|---|---|
| | | TONS | TON MILES |
| 20+72 ~ 92+80<br>92+80 ~ 116+91<br>Road Approaches<br>Spot Loads | Pit No.3 ~ 1810' rt of 127+50 | 6,300.5<br>2,122.3<br>558.0<br>76.0 | 4,264.2<br>Free Haul<br>568.0<br>158.0 |
| 116+91 ~ 176+10<br>176+10 ~ 212+50<br>Road Approaches | Pit No.4 ~ 1790' rt of 141+20 | 5,210.3<br>3,204.0<br>368.0 | Free Haul<br>1,104.4<br>76.5 |
| 212+50 ~ 250+00<br>250+00 ~ 345+70<br>345+70 ~ 349+71.9<br>Road Approaches | Pit No.9 ~ 495' lt of 297+85 | 3,301.0<br>8,424.1<br>353.8<br>220.0 | 1,172.2<br>Free Haul<br>13.5<br>15.1 |
| TOTALS FOR F.A.P.-295-B(2) | | 30,138.0 | 7,371.9 |
| Spot Loads<br>421+00 ~ 461+00 | Pit No.3 ~ 1810' rt of 127+50 | 400.0 | 2,110.0 |
| 350+00 ~ 360+87.5<br>Road Approaches | Pit No.9 ~ 495' lt of 297+85 | 968.0<br>50.0 | 173.4<br>10.6 |
| 360+87.5 ~ 375+95<br>375+95 ~ 461+00<br>Road Approaches | Pit No.11 ~ 825' lt of 420+50 | 1,341.8<br>7,570.2<br>664.0 | 191.6<br>Free Haul<br>Free Haul |
| TOTALS FOR F.A.P.-295-C(2) | | 10,994.0 | 2,485.6 |

## SELECTED MATERIAL PLAN

Selected material station 20+72 to 116+91 should have been hauled from pit #3 but contractor elected to haul this from pit #4. Payment for overhaul for this section is based on the plan overhaul system using pit #3.

| MATERIAL PLACED | SOURCE | QUANTITY | OVERHAUL |
|---|---|---|---|
| | | TONS | TON MILES |
| 20+72 ~ 92+80<br>92+80 ~ 116+91<br>Road Approaches | Pit No 3 ~ 1810' rt of 127+50 | 15,746.50<br>5,304.20<br>685.40 | 10,657.2<br>Free Haul<br>777.5 |
| 116+91 ~ 176+10<br>176+10 ~ 212+50<br>Spot Loads<br>32+00 ~ 349+71.9 | Pit No 4 ~ 1790' rt of 141+20 | 13,021.80<br>8,008.00<br>1,990.35 | Free Haul<br>2,760.4<br>3,753.7 |
| 212+50 ~ 250+00<br>250+00 ~ 345+70<br>345+70 ~ 349+71.9<br>Road Approaches | Pit No.9 ~ 495' lt of 297+85 | 8,737.50<br>22,298.10<br>936.40<br>115.35 | 3,102.7<br>Free Haul<br>35.7<br>1.5 |
| TOTALS FOR F.A.P.-295-B(2) | | 76,843.60 | 21,088.7 |
| Spot Loads<br>350+00 ~ 360+00 | Pit No.4 ~ 1790' rt of 141+20 | 127.15 | 428.8 |
| 350+00 ~ 360+78.1<br>Road Approaches | Pit No.9 ~ 495' lt of 297+85 | 2,512.05<br>28.25 | 447.6<br>2.4 |
| 360+78.1 ~ 378+20<br>378+20 ~ 461+00<br>461+00 ~ 462+85.6<br>Road Approaches | Pit No.11 ~ 1050' lt of 420+50 | 4,058.60<br>19,292.40<br>432.50<br>842.95 | 669.7<br>Free Haul<br>Free Haul<br>Free Haul |
| TOTALS FOR F.A.P.-295-C(2) | | 27,293.90 | 1,548.5 |

## SUMMARY OF FINAL QUANTITIES

| NO | ITEM | UNIT | ROADWAY F.A.P.-295-B(2) FED AID | ROADWAY F.A.P.-295-B(2) NON FED AID | ROADWAY F.A.P.-295-C(2) FED AID | ROADWAY F.A.P.-295-C(2) NON FED AID | TOTALS |
|---|---|---|---|---|---|---|---|
| 10a&b | Clearing and Grubbing Entire Project | Lump Sum | •(a) | | •(b) | | •(a+b) |
| 11b | Removal of 1 Structures | " | • | | | | • |
| 11c | Removal of 4 Structures | " | | | • | | • |
| 13a | Removing Signs | Each | 4 (a) | | 3 (c) | | 7 (d+e) |
| 15a | Rolling Fills | Hr | 627 | | 175.75 | | 802.75 |
| 15b | Furnishing Roller | Hour Unit | " | | 2 | | 4 |
| 11m | Remove and Reset Mail Boxes | Lump Sum | • | | | | • |
| 11q | Remove Headwall and Cut Keyway | Each | 3 | | | | 3 |
| 11r | Remove and Reset Project Marker | " | 1 | | 1 | | 2 |
| 11s | Move Existing Station Sta 386+ | Lump Sum | | | | • | • |
| 12a | Removing Fence | Lin Ft | 1,226 | | 3,061 | | 4,287 |
| 12b | Removing and Rebuilding Fence | " | 32,139 | | 8,382 | | 40,521 |
| 12c | Line Posts (Treated Wood) | Each | 563 | | 112 | | 675 |
| 13a | Unclassified Excavation | Cu Yd | 123,437 | | 30,909 | | 154,346 |
| 13d | Unclassified Ditch Excavation | " " | 1,541 | | 82 | | 1,623 |
| 13x | Selected Material | Ton | 76,844 | | 27,294 | | 104,138 |
| 14b | Dry Common Excavation (Structural) | Cu Yd | 325 | | 143 | | 468 |
| 14d | Wet Common Excavation (Structural) | " " | 83 | | 2 | | 85 |
| 14e | Mechanical Tamping | Hr | 85 | | 30 | | 115 |
| 18a | Station Yard Overhaul | Sta Yd | 1,117,988 | | 277,074 | | 1,395,062 |
| 18b | Yard Mile Overhaul | Yd Mi | 26,107 | | 8,467 | | 34,574 |
| 26a | Gravel or Crushed Rock Surfacing | Ton | 30,138 | | 10,994 | | 41,132 |
| 26c | Overhaul of Surfacing & Select Material | Ton Mi | 28,461 | 25423 | 4,034 | 0/c | 32,495 32517 |
| 44b | Miscellaneous Treated Timber | M Ft bm | 0.862 | | | | 0.862 |
| 46a | Class "A" Concrete | Cu Yd | 40.9 | | | | 40.9 |
| 46b | Class "B" Concrete | " " | 18.15 | | 1.50 | | 19.65 |
| 47 | Reinforcing Steel | Lb. | 3,822 | | | | 3,822 |
| 51 | Relaying Pipe | Lin. Ft. | 676 | | 414 | | 1,090 |
| 53b | 18" Corrugated Metal Culvert Pipe | " " | 180 | | 90 | | 270 |
| 53c | 24" " " " " | " " | 374 | | 134 | | 508 |
| 53d | 30" " " " " | " " | 72 | | | | 72 |
| 53e | 36" " " " " | " " | 44 | | | | 44 |
| 64 | Dry Rubble Slope and Ditch Paving (12" Thick) | Sq Yd | 20 | | | | 20 |
| 81a | Project Markers | Each | 1 | | 1 | | 2 |
| 81b | Right of Way Markers | " | 37 | | 12 | | 49 |
| | Right of Way Marker Posts (W.O.# 4973) | " | 2 | | 1 | | 3 |
| | Water for Sprinkling (W.O.# 4979) | M Gal | 397 | | 137 | | 534 |
| | Furnishing 1000 gal Tank Truck (W.O.# 4979) | Lp Sum | Prorated | | Prorated | | • |

### FORCE ACCOUNT ITEMS

| | | | | | | |
|---|---|---|---|---|---|---|
| Pedestal and Basin Removed and Well Piped off R.O.W. by Owner, Sta 194+ | | | | | | |
| Remove and Reset U.S. Bench Marks (State Force) (W.O.# 4973) | • | | • | | • | |
| Scarify & Break up Existing Oil Mat (W.O.# 5556 & 4971) | • | | | | • | |

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) & C(2) | 3 | |

Revised Strs. @ Stas. 168+ & 173+ — 11-20-40 — H.R.H.
Rev. Removals Stas. 189+ & 193+ — 12-20-40 — A.R.C.

# LIST OF STRUCTURES

F.A.P.-295-B(2)

| STATION | DESCRIPTION | REMOVALS NO. STRS. | REMOVALS NO. SIGNS | EXCAVATION CU.YDS. UNCL. | EXCAVATION CU.YDS. EMB. | EXCAVATION CU.YDS. UNCL. DITCH | STRUCT EXCAV. CU.YDS. * | GRAV OR CR. ROCK SURF TONS | CONCRETE CU.YDS. CL "A" | CONCRETE CU.YDS. CL "B" | REINF STEEL LBS. | CORR METAL CULV PIPE LIN.FT. 18" | 24" | 30" | 36" | RELAY PIPE LIN.FT. ϕ | CONN BANDS NO. ϕ | | MISCELLANEOUS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | 1-Project Marker |
| 20+72 | Approach to Project & Project Marker | | | | 25 | | | 10 | | | | | | | | | | | |
| 22+30 — 30+80 | Ditch Change on Rt. | | | | | 70 | | | | | | | | | | | | | |
| 23+00 | Road Approach on Lt. | | | | 315 | | | 70 | | | | | | | | | | | |
| 29+75 | Road Approach on Lt. | | | | 80 | | | 20 | | | | | | | | | | | |
| 32+55 | Major Road Approach on Lt. | | | | 1095 | | | 320 | | | | | | | | | | | |
| 32+64 | Road Approach on Rt. | | | | 80 | | | 20 | | | | | | | | | | | |
| 33+00 | C.M.P. Cross Culv. under R.R. & Ditches | | | | | 25 | 20 | | | | | 46 | | | | | | | |
| 33+50 | C.M.P. Cross Culvert with 2-Hdwls. | | | | | | 15 | | | 3.30 | | 60 | | | | | | | |
| 40+75 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | | |
| 48+50 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | | |
| 55+50 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | | |
| 56+60 | Road Appr. on Rt., Relay Side Drain on Rt. | | | | 60 | | 5 | 10 | | | | | | | | 30 | | | |
| 56+70 — 59+90 | Ditch Change on Rt. | | | | | 30 | | | | | | | | | | | | | (Rem. Hdwl. & Cut Keyway |
| 60+01 | Extend 6"x3' C.B.C. 19' on Rt., Dr. Rub. Sl. Pav. L. & R. | | | | | | 20 | | 18.9 | | 1.732 | | | | | | | | (20 Sq. Yds. Dry Rub. Sl. Pav. (12" Th.) |
| 60+16 | Road Approach on Rt. | | | | 45 | | | 10 | | | | | | | | | | | |
| 60+40 | C.M.P. Cross Culvert and Outlet Ditch | | | | | 5 | 25 | | | | | 82 | | | | | | | |
| 60+40 — 63+20 | Ditch Change on Rt. | | | | | 25 | | | | | | | | | | | | | |
| 65+00 | Road Approach on Lt. | | | | 30 | | | 20 | | | | | | | | | | | |
| 87+00 | Remove & Reset U.S.G.S. Bench Mark on Rt. | | | | | | (FORCE ACCOUNT BY STATE FORCES) | | | | | | | | | | | | |
| 87+60 | Road Approach on Rt. | | | | 15 | | | 10 | | | | | | | | | | | |
| 88+05 | Extend 4'x3' C.B.C. 4' on Lt. & 21' on Rt. | | | | | | 30 | | 22.0 | | 2.090 | | | | | | | | (Remove 2-Headwalls & Cut 2-Keyways |
| 88+30 | Remove Wooden Flume on Rt. | 1-Flume | | | 20 | | 10 | 10 | | 1.10 | | 50 | | | | | | | |
| 88+45 | Road Appr. & C.M.P. Side Drain with 1-Hdwl. on Rt. | | | | 40 | | | 10 | | | | | | | | | | | |
| 88+75 | Road Approach on Lt. | | | | | 360 | | | | | | | | | | | | | |
| 88+80 — 127+20 | Ditch Change on Rt. | | | | | | | | | | | | | | | | | | |
| 100+79 | Rem. 1'x1'x14' & 3'x1'x16' Wood Box Culv. on Rt. | 2-W.B.C. | | | | | | 20 | | | | 30 | | | | 30 | | | |
| 100+80 | Rd. Apprs. L. & R., C.M.P. Sd. Drn. Rt., Relay C.M.P. Rt. | | | | 120 | | 10 | 10 | | | | | | | | | | | |
| 114+10 | Road Approach on Lt. | | | | 55 | | | 20 | | | | 30 | | | | | | | |
| 127+70 | Road Apprs. Lt. & Rt., C.M.P. Side Drain on Rt. | | | | 85 | | 10 | | | | | | | | | | | | |
| 139+70 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | | |
| 140+50 | Road Approach on Rt. | | | | 50 | | | 10 | | | | | | | | | | | |
| 140+73 | Rem. 36"x30' C.M.P. Cross Culv. with 2-Hdwls., Extend & Relay (2-Hdwls.) and Ditches | | | | | 25 | 35 | | | 6.00 | | | | 44 | | 30 | 1-36" | | |
| 140+85 | Relay C.M.P. Side Drain on Rt. | | | | | | 5 | | | | | | | | | 20 | | | |
| 141+15 | Road Approach on Lt. | | | | 90 | | | 20 | | | | | | | | {20 | 1-15" | | |
| 141+19 | Road Appr. Rt., Relay C.M.P. Side Drain on Rt. | | | | 130 | | 15 | 20 | | | | | | | | {30 | | | |
| 141+80 — 168+30 | Ditch Change on Rt. | | | | | 215 | | | | | | | | | | {30 | 2-15" | | |
| 149+62 | Road Appr. Rt., Relay 2-C.M.P. Side Drains on Rt. | | | | 60 | | 10 | 10 | | | | | | | | | | | |
| 168+15 | Road Approach on Lt. | | | | 40 | | | 10 | | | | | | | | | | | |
| 168+53 | Road Appr. on Rt., Rem. 18"x16' C.M.P. on Rt. Relay Side Drain on Rt., C.M.P. Sd. Dr. in Irrig. Ditch Rt. | 1-C.M.P. | | | 90 | | 20 | 20 | | | | 40 | | | | 50 | 1-15" | | |
| 187+00 | Remove 3-Conc. Joists on Rt. | 1-Str. | | | | 370 | | | | | | | | | | | | | Remove & Reset 1-Headgate |
| 168+40 — 186+75 | Ditch Change on Rt. | | | | | | | | | | | | | | | 30 | | | |
| 168+93 | Remove and Reset Wood Headgate Rt. | | | | 30 | | 5 | 10 | | | | | | | | | | | |
| 173+48 | Road Appr. Rt., Relay C.M.P. Side Drain on Rt. Rem. 2.5'x1'x16' W.B.C. Rt., C.M.P. Sd. Dr. in Irrig. Ditch Rt. | 1-W.B.C. | | | 50 | | 5 | 10 | | | | 80 | | | | 30 | | | |
| 187+10 | Road Appr. Rt., Relay C.M.P. Side Drain on Rt. | | | | 65 | | | 20 | | | | | | | | | | | |
| 189+00 | Road Approach on Lt. | | | | 40 | | | 10 | | | | | | | | | | | |
| 189+40 | Road Approach on Rt. | | | | | | | | | | | | | | | | | | |
| 190+70 | Road Approach on Lt. | | | | 70 | | | 20 | | | | | | | | | | | |
| 191+00 — 193+00 | Road Approach on Rt. | | | | 185 | | | 70 | | | | | | | | | | | |
| 192+64 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | | |
| 194+58 | Rem. Pedestal & Basin, Pipe Art. Well on Rt. off R.O.W. | | | | | | (FORCE ACCOUNT) | | | | | | | | | | | | |
| 194+75 | Road Approach on Lt. | | | | 80 | | | 20 | | | | | | | | | | | |
| 194+92 | Road Appr. & Side Drn. Rt., Rem. 2.5'x1'x16' W.B.C. | 1-W.B.C. | | | 50 | | 10 | 20 | | | | 40 | | | {10 | | 4-30" | | |
| 195+08 | Rem. 2-Hdwls. & Extend D'ble 30" C.M.P. Culv. 10' on Lt. & 26' on Rt. (5x19'R.); 2-Hdwls. & Ditches | 2-Hdwl. | | | | 25 | 15 | | | 6.10 | | | | | {10 | | | | 862 Bd. Ft. Misc. Treat Timber |
| 195+09 | Rem. 8'x7' Timb. Headgate & Wings R., 1-Headgate Rt. | 1-Hdgate | | | | | 5 | | | | | | 60 | | {26 | | | | |
| 195+23 | C.M.P. Cross Culv. with 1-Hdwl., Outlet Ditch | | | | | 10 | 10 | | | 1.65 | | | | | | | | | |
| 195+25 — 224+30 | Ditch Change on Rt. | | | | | 540 | | | | | | | | | | 50 | | | |
| 210+95 | Road Appr. on Rt., Relay 15"x50' C.M.P. Sd. Drn. Rt. | | | | 80 | | 10 | | 15 | | | | | | | | | | |

(CONT'D. ON SHEET NO. 4)

## C.M.P. CULVERTS TO BE RELAYED

| STATION | REQUIRED | TO BE RELAYED LIN.FT. 15" | 18" | 24" | 36" | FROM STATION | HDWLS. TO BE REMOVED ϕ |
|---|---|---|---|---|---|---|---|
| 56+60 | Side Drain on Rt. | 30 | | | | Lt. of 114+10 | |
| 100+80 | Irrig. Ditch on Rt. | 30 | | | | Lt. of 141+15 | 2 |
| 140+73 | Cross Culvert | | | | 30 | Cross Culv. 140+73 | 2 |
| 140+85 | Side Drain on Rt. | 20 | | | | Lt. of 211+10 | 2 |
| 141+19 | Side Drain on Rt. | 50 | | | | Rt. of 141+19 | 2 |
| 149+62 | Side Drain on Rt. | 30 | | | | Rt. of 173+48 | |
| 149+62 | Irrig. Ditch on Rt. | 30 | | | | Lt. of 255+52 | 3 |
| 168+53 | Side Drain on Rt. | 50 | | | | Rt. of 279+50 | |
| 173+48 | Side Drain on Rt. | 30 | | | | Rt. of 279+50 | 3 |
| 187+10 | Side Drain on Rt. | 30 | | | | Rt. of 290+00 | |
| 210+95 | Side Drain on Rt. | 50 | | | | Rt. of 168+53 | 4 |
| 211+10 | Irrig. Ditch on Rt. | | 22 | | | Rt. of 224+39 | |
| 224+39 | Side Drain on Rt. | 30 | | | | Lt. of 168+15 | |
| 238+68 | Side Drain on Rt. | 30 | | | | Lt. of 194+75 | 2 |
| 252+89 | Side Drain on Rt. | 50 | | | | Rt. of 210+95 | 2 |
| 279+50 | Side Drain on Rt. | 30 | | | | Rt. of 306+23 | |
| 290+00 | Side Drain on Rt. | 30 | | | | Lt. of 224+39 | |
| 306+23 | Side Drain on Rt. | 30 | | | | Cross Culv. 195+23 | 2 |
| 307+45 | Side Drain on Rt. | 30 | | | | Rt. of 252+89 | 2 |
| 320+00 | Side Drain on Rt. | 30 | | | | Lt. of 279+50 | |
| 348+57 | Irrig. Ditch on Rt. | 20 | | | | Lt. of 290+23 | |
| 348+57 | Side Drain on Rt. | 30 | | | | Lt. of 307+20 | 3 |
| | | | | | | Rt. of 320+00 | |
| | | | | | | Rt. of 307+45 | 3 |
| | | | | | | Rt. of 320+00 | |
| | | | | | | Lt. of 334+18 | |
| | | | | | | Rt. of 348+57 | 2 |
| | | | | | | Lt. of 349+04 | |
| TOTALS-F.A.P.-295-B(2) | | 660 | 22 | | 30 | | 34 |
| 350+44 | Side Drain on Rt. | 30 | | | | Rt. of 350+44 | 3 |
| 350+44 | Irrig. Ditch on Rt. | | | 12 | | Rt. of 440+63 | |
| 358+94 | Side Drain on Rt. | | 70 | | | Rt. of 350+44 | |
| 383+46 | Side Drain on Rt. | 30 | | | | Rt. of 358+94 | 2 |
| | | | | | | Rt. of 383+46 | 3 |
| | | | | | | Rt. of 440+63 | |
| 386+03 | Side Drain on Rt. | 84 | | | | Rt. of 386+03 | 2 |
| 387+00 | Side Drain on Rt. | 30 | | | | Cross Culv. 387+72 | 2 |
| 400+91 | Side Drain on Rt. | 34 | | | | Rt. of 412+97 | 2 |
| 414+73 | Side Drain on Rt. | 30 | | | | Rt. of 414+73 | 2 |
| 415+40 | Side Drain on Rt. | 40 | | | | Lt. of 393+72 | 4 |
| 440+63 | Side Drain on Rt. | 30 | | | | Rt. of 400+91 | |
| | | | | | | Cross Culv. 426+51 | 2 |
| TOTALS-F.A.P.-295-C(2) | | 308 | 70 | 12 | | | 22 |

ϕ To be included in bid price for "Relaying Pipe."

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | (295-B(2) & C(2)) | 4 | |

Revised Str. Removals Stas. 238+ & 252+ — 11-20-40 — H.R.H.
Revised Surfacing Plan — 2-13-41 — a.p.b.

# LIST OF STRUCTURES
## (CONT'D. FROM SHEET NO. 3)

| | STATION | DESCRIPTION | REMOVALS NO. STRS | REMOVALS NO. SIGNS | EXCAVATION CU YDS UNCL. EMB | EXCAVATION CU YDS UNCL. DITCH | STRUCT. EXCAV. CU YDS • | GRAV. OR CR. ROCK SURF. TONS | CONCRETE CU YDS CL. "A" | CONCRETE CU YDS CL. "B" | REINF. STEEL LBS | CORR. METAL CULV. PIPE LIN. FT. 18" | 24" | 30" | 36" | RELAY PIPE LIN. FT. Φ | CONN. BANDS NO. ⊕ | | MISCELLANEOUS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| F.A.P.-295-B(2) | 211 + 10 | Road Appr. on Lt.; Relay C.M.P. Side Drain Rt. | | | 50 | | | 10 | | | | | | | | 22 | | | |
| | | Remove 18"x12' C.M.P. on Rt. | 1-C.M.P. | | | | | | | | | | | | | 30 | | | |
| | 224+39 | Road Apprs. L.& R.; Relay C.M.P. Side Drain Rt. | | | 120 | | 5 | 20 | | | | | | | | | | | |
| | 224+60–238+60 | Ditch Change on Rt. | | | | 150 | | | | | | | | | | | | | |
| | 238 + 59 | Road Approach on Lt.; Rem. 15'x20' C.M.P. on Lt. | 1-C.M.P. | | 40 | | | 10 | | | | | | | | | | | |
| | 238 + 68 | Road Appr. on Rt.; Remove 15'x1'x17' W.B.C. on Rt. | 1-W.B.C. | | 40 | | 10 | 10 | | | | | | | | 30 | | | |
| | | Relay C.M.P. Side Drain on Rt. | | | | | | | | | | | | | | | | | |
| | 239+00–252+60 | Ditch Change on Rt. | | | | 140 | | | | | | | | | | | | | |
| | 252 + 49 | Remove & Reset U.S.G.S. Bench Mark on Rt. | | | | | (FORCE ACCOUNT BY STATE FORCES) | | | | | | | | | | | | |
| | 252 + 62 | Road Approach on Lt.; Rem. 15'x20' C.M.P. on Lt. | 1-C.M.P. | | 70 | | | 10 | | | | | | | | 50 | | | |
| | 252 + 89 | Road Appr. Rt.; Relay C.M.P. Side Drain Rt. | | | 80 | | 10 | 20 | | | | | | | | | | | |
| | 255 + 52 | Road Approach on Lt. | | | 50 | | | 10 | | | | | | | | 30 | | | |
| | 279 + 50 | Road Apprs. L.& R.; Relay C.M.P. Side Drain Rt. | | | 110 | | 5 | 20 | | | | | | | | | | | |
| | 279+60–288+85 | Ditch Change on Rt. | | | | 110 | | | | | | | | | | 30 | | | |
| | 290 + 00 | Road Appr. Rt.; Relay C.M.P. Side Drain on Rt. | | | 40 | | 5 | 10 | | | | | | | | | | | |
| | 290 + 23 | Road Approach on Lt. | | | 60 | | | 10 | | | | | | | | | | | |
| | 290+50–306+15 | Ditch Change on Rt. | | | | 175 | | | | | | | | | | | | | |
| | 306 + 17 | Road Appr. on Lt.; Remove 2'x1'x16' W.B.C. on Lt. | 1-W.B.C. | | 110 | | | 20 | | | | | | | | {20 | 1-15" | | |
| | 306 + 23 | Road Appr. on Rt.; Relay C.M.P. Side Drain on Rt. | | | 65 | | 10 | 10 | | | | | | | | {10 | | | |
| | 307 + 20 | Road Approach on Lt. | | | 40 | | | 10 | | | | | | | | {20 | 1-15" | | |
| | 307 + 45 | Road Appr. on Rt.; Relay C.M.P. Side Drain on Rt. | | | 25 | | 10 | 10 | | | | | | | | {10 | | | |
| | 320 + 00 | Road Appr. on Rt.; Relay C.M.P. Side Drain on Rt. | | | 45 | | 5 | 10 | | | | | | | | 30 | | | |
| | 330+00–332+50 | Ditch Change on Rt. | | | | 25 | | | | | | | | | | | | | |
| | 332+70–348+30 | Ditch Change on Rt. | | | | 160 | | | | | | | | | | | | | |
| | 334 + 18 | Road Approach on Lt. | | | 65 | | | 10 | | | | | | | | | | | |
| | 348+40–349+71.9 | Ditch Change on Rt. | | | | 15 | | | | | | | | | | | | | |
| | 348 + 57 | Road Appr. Rt.; Relay 2-C.M.P. Side Drains Rt. | | | 50 | | 10 | 10 | | | | | | | | {20 | | | |
| | 349 + 04 | Road Approach on Lt. | | | 75 | | | 10 | | | | | | | | {30 | | | Remove & Reset 1-Proj. Marker |
| | 349 + 71.9 | Remove and Reset Project Marker Rt. | | | | | | | | | | | | | | | | | |
| | | TOTALS FOR F.A.P.-295-B(2) | 15 | 5 | 4310 | 2475 | 360 | 1,065 | 40.9 | 18.15 | 3822 | 150 | 368 | 72 | 44 | 712 | | | |
| F.A.P.-295-C(2) | 350+00–358+70 | Ditch Change on Rt. | | | | 130 | | | | | | | | | | | | | |
| | 350 + 44 | Road Appr. Rt.; Relay 2-C.M.P. Side Drains on Rt. | | | 20 | | 10 | 10 | | | | | | | | {10 | 1-15" | | |
| | | | | | | | | | | | | | | | | {20 | | | |
| | | | | | | | | | | | | | | | | {12 | | | |
| | 358 + 30 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | |
| | 358 + 79 | Remove 1-Hdwl. & Extend D'bl. 18"x32' C.M.P. | 1-Hdwl. | | | | 5 | | | 1.50 | | {20 | | | | | 2-18" | | |
| | | | | | | | | | | | | {20 | | | | | | | |
| | | Cross Culv. 20' on Rt., 1-Hdwl. on Rt. | | | | | | | | | | | | | | 70 | | | |
| | 358 + 94 | Rd. Appr. Rt.; Rem. & Relay C.M.P. Side Drain Rt. | | | 80 | | 15 | 20 | | | | | | | | | | | |
| | 359 + 06 | Road Approach on Lt. | | | 80 | | | 20 | | | | | | | | {20 | | | |
| | 383 + 46 | Rd. Appr. Rt.; Rem. & Relay C.M.P. Side Drain Rt. | | | 40 | | 5 | 10 | | | | | | | | {10 | 1-15" | | |
| | 385 + 63 | Remove and Reset Project Marker on Lt. | | | | | | | | | | | | | | | | | Remove & Reset 1-Proj. Marker |
| | 386 + 00 | Major Road Approach on Lt. | | | 910 | | | 320 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | 84 | | | |
| | 386 + 03 | Rd. Appr. Rt.; Rem. & Relay C.M.P. Side Drain Rt. | | | 135 | | 15 | 30 | | | | | | | | | | | Move 1-Building |
| | 386 + 09 | Move Filling Station on Rt. | | | | | | | | | | | | | | | | | Move 2-Gas Pumps |
| | | Move 2-Gas Pumps on Rt. | | | | | | | | | | | | | | | | | |
| | 386 + 40 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | |
| | 386 + 58 | Remove Sign on Rt. | | 1 | | | | | | | | | | | | | | | Remove 1-Stucco Building |
| | 386 + 63 | Remove Store on Rt. | | | | | | | | | | | | | | | | | |
| | 387 + 00 | Road Appr. on Rt.; Rem. 4-8"x29' Iron Pipes | 1-Std. Drn. | | 50 | | | 10 | | | | | | | | 30 | | | |
| | | on Rt.; Relay C.M.P. Side Drain on Rt. | | | | | 5 | | | | | | | | | | | | |
| | 387 + 72 | C.M.P. Cross Culvert and Inlet Ditch | | | | 20 | 5 | | | | | | 72 | | | | | | |
| | 393 + 72 | Road Approach & C.M.P. Side Drain on Lt. | | | 40 | | 10 | 10 | | | | 30 | | | | | | | |
| | | | | | | | | | | | | | | | | 34 | | | |
| | 400 + 91 | Road Appr. Rt.; Relay C.M.P. Side Drain Rt. | | | 25 | | 10 | 10 | | | | | | | | | | | |
| | 412 + 97 | Road Apprs. L.& R.; C.M.P. Side Drain Rt. | | | 135 | | 10 | 40 | | | | 50 | | | | 30 | | | |
| | 414 + 73 | Rd. Appr. Rt.; Rem. & Relay C.M.P. Side Drain Rt. | | | 30 | | 10 | 10 | | | | | | | | {20 | | | |
| | 415 + 40 | Road Appr. on Rt.; Remove 6'x1'x42' Wd. Box | 1-W.B.C. | | 45 | | | 10 | | | | | | | | {20 | 1-15" | | |
| | | Culv. on Rt.; Relay C.M.P. Side Drain on Rt. | | | | | 10 | | | | | | 62 | | | | | | |
| | 426 + 51 | C.M.P. Cross Culvert | | | | | 5 | | | | | | | | | 30 | | | |
| | 440 + 63 | Road Appr. Rt.; Relay C.M.P. Side Drain on Rt. | | | 35 | | 5 | 10 | | | | | | | | | | | 1-Project Marker |
| | 461 + 00 | Approach to Project & Project Marker | | | *500 | | | 150 | | | | | | | | | | | |
| | | TOTALS FOR F.A.P.-295-C(2) | 3 | 3 | *500 | 150 | 120 | 660 | | 1.50 | | 120 | 134 | | | 390 | | | |

• Structural Excavation is estimated to be 90% Common and 10% Rock; each of which is estimated to be 50% Dry and 50% Wet.
* All Embankment quantities, with the exception of 500 cu. yds. for Appr. to Proj. as shown, are included for payment in Profile Quantities.
Φ See Sheet No. 3 for Tabulation of Removing and Relaying Pipe.
⊕ Connecting Bands to be included in the bid price for Corrugated Metal Culvert Pipe.

# SURFACING PLAN

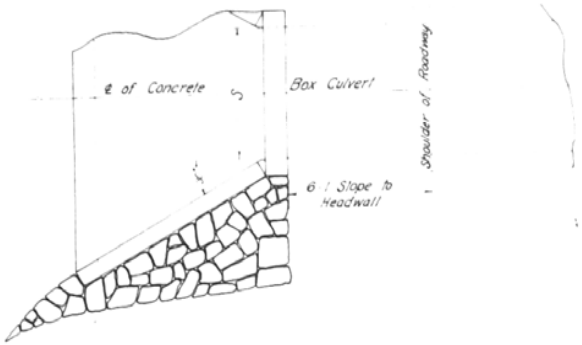
It is estimated that material for gravel or crushed rock surfacing for this project is available in the vicinity of the pits indicated in the following tabulation. Estimated quantities involved in the operation are shown below.

No alteration of the surfacing plan as here outlined will be allowed without written permission from the Department.

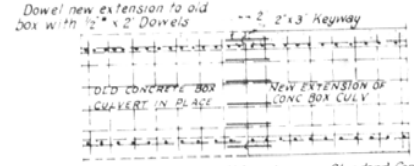
| MATERIAL TO BE PLACED | SOURCE | QUANTITY TONS AVAIL. | QUANTITY TONS USED | OVERHAUL TON MILES |
|---|---|---|---|---|
| 20+72 – 93+20 Road Approaches | Pit No. 3 1800 ft. Rt. of Sta. 128+00 | 9,056 | 6406 | 4367 |
| 93+20 – 116+91 | | | 510 | 348 |
| 116+91 – 179+30 | | | 2110 | Free Haul |
| Road Approaches | | | 30 | Free Haul |
| 116+91 – 179+30 Road Approaches | Pit No. 4 1450 ft. Rt. of Sta. 141+00 | 12,630 | 5653 | Free Haul |
| 179+30 – 212+50 | | | 120 | Free Haul |
| 212+50 – 245+70 | | | 2955 | 929 |
| Road Approaches | | | 195 | 62 |
| 212+50 – 245+70 Road Approaches | Pit No. 9 400 ft. Lt. of Sta. 294+50 | 12,655 | 2955 | 929 |
| 245+70 – 343+30 | | | 40 | 13 |
| 343+30 – 349+71.9 | | | 9696 | Free Haul |
| Road Approaches | | | 150 | Free Haul |
| | | | 571 | 35 |
| | | | 20 | 2 |
| TOTALS FOR F.A.P.-295-B(2) | | 34,341 | 30,301 | 6685 |
| 350+00 – 360+89 Road Approaches | Pit No. 9 400 ft. Lt. of Sta. 294+50 | 1,040 | 969 | 218 |
| | | | 50 | 12 |
| 360+89 – 378+20 Road Approaches | Pit No. 11 800 ft. Lt. of Sta. 423+00 | 9,591 | 1541 | 253 |
| 378+20 – 461+00 | | | 7370 | Free Haul |
| | | | 610 | Free Haul |
| TOTALS FOR F.A.P.-295-C(2) | | 10,631 | 10,540 | 483 |

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295 B(2) & C(2) | 5 | |

## DETAIL OF DRY RUBBLE SLOPE & DITCH PAVING (12" THICK) FOR ONE WINGWALL OF A CONC. BOX CULVERT STA. 60+01




## DETAIL OF JOINT FOR CONCRETE BOX CULVERT EXTENSION STA. 60+01 AND STA. 88+05




Place one Dowel to each U bar shown on Standard Concrete Box Culvert Sheet M 103-E.
Dowel bars are to be grouted in place with a cement grout composed of one part cement and two parts of clean, well graded sand. The cost of drilling holes, grouting and placing dowels is to be included in payment for Reinforcing Steel.

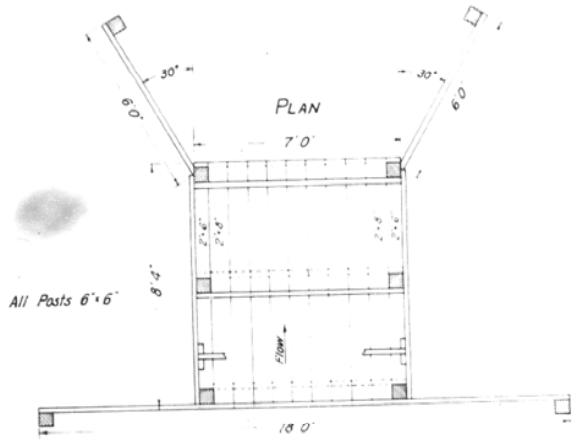
NOTE
The cost of removing headwall and cutting keyway is to be paid for at the contract unit price each.

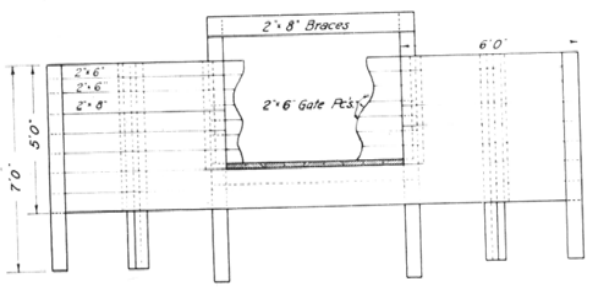
## RIGHT OF WAY MARKERS

| Station | Side Left | Side Right |
|---|---|---|
| 20 + 72 | / | / |
| 24 + 72 | / | |
| 29 + 00 | / | |
| 30 + 39 | | / |
| 32 + 65 | / | / |
| 36 + 50.7 Bk. | | / |
| 59 + 97 | / | / |
| 61 + 60 | | / |
| 66 + 10 | / | |
| 87 + 05 | / | / |
| 114 + 16 | / | / |
| 141 + 60 | / | / |
| 168 + 35 | / | / |
| 195 + 30 | / | / |
| 199 + 80 | / | |
| 224 + 26 | / | / |
| 252 + 65 | | / |
| 252 + 85 | / | |
| 279 + 54 | | / |
| 280 + 00 | / | |
| 306 + 60 | / | / |
| 321 + 45 | | / |
| 324 + 33 | / | |
| 332 + 52 | / | / |
| 349 + 71.9 Bk. | / | / |
| Total FAP 295 B(2) | 37 | |

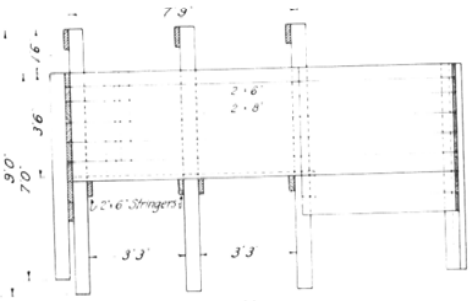
| Station | Side Left | Side Right |
|---|---|---|
| 359 + 40 | / | / |
| 386 + 07 | | / |
| 386 + 75 | / | |
| 412 + 70 | / | / |
| 435 + 18 | | / |
| 439 + 35 | / | |
| 440 + 42 | / | / |
| 461 + 00 | / | / |
| Total FAP 295 C(2) | 12 | |

## DETAIL OF TIMBER HEADGATE, RIGHT OF STA. 195 + 09




END VIEW




SIDE VIEW

### LIST OF MATERIAL

| Item | No. | Size & Length | Ft. B.M. |
|---|---|---|---|
| Posts | 6 | 6"x6"x9'0" | 162.0 |
| | 4 | 6"x6"x7'0" | 84.0 |
| Stringers | 4 | 2"x6"x7'0" | 28.0 |
| Braces | 3 | 2"x8"x7'0" | 28.0 |
| Floor | 4 | 2"x6"x3'3" | 13.0 |
| | 9 | 2"x8"x8'4" | 100.0 |
| Sides | 8 | 2"x8"x7'9" | 82.7 |
| | 4 | 2"x6"x7'9" | 31.0 |
| Wings 30° | 12 | 2"x8"x6'0" | 36.0 |
| | 4 | 2"x6"x6'0" | 24.0 |
| Cut-off | 2 | 2"x8"x7'0" | 18.7 |
| Wings 90° | 8 | 2"x8"x6'0" | 64.0 |
| | 2 | 2"x8"x18'0" | 48.0 |
| | 4 | 2"x6"x6'0" | 24.0 |
| Gate | 7 | 2"x6"x6'11½" | 48.8 |
| Gate Guides | 4 | 2"x4"x3'6" | 9.4 |
| Total Miscellaneous Treated Timber | | | 861.6 |

NAILING DIRECTIONS
2" pcs. to 2" pcs. - 16d com. @ 3" ± ctrs.
2" pcs. to 6" posts - 20d com. @ 3" ± ctrs.
2" pcs. to longitudinal pieces 16d com. @ 9" ± ctrs.
Hardware to be included for payment in the unit price bid for Miscellaneous Treated Timber.

## FENCING REQUIREMENT

| Sta. | To Sta. | Side | Remove Fence Lin. Ft. | Rem. & Rebuild Fence | Build B.W. Fence Lin. Ft. | Gates B.W. |
|---|---|---|---|---|---|---|
| FAP 295 B(2) | | | | | | |
| 22 + 25 | 140 + 70 | R | | 11795 | | |
| 32 + 65 | | R | 70 | | | |
| 56 + 50 | | R | 30 | | | |
| 100 + 60 | | R | 20 | | | |
| 114 + 20 | | R | 30 | | | |
| 140 + 65 | | R | 30 | | | |
| 141 + 60 | | R | 30 | | | |
| 141 + 60 | 168 + 35 | R | | 2675 | | |
| 168 + 35 | | R | 30 | | | |
| 168 + 90 | | R | 25 | | | |
| 168 + 90 | 173 + 40 | R | | 450 | | |
| 173 + 40 | | R | 30 | | | |
| 173 + 60 | | R | 30 | | | |
| 170 + 60 | 193 + 80 | R | | 2020 | | |
| 174 + 40 | | R | 30 | | | |
| 186 + 80 | | R | 30 | | | |
| 188 + 95 | | R | 30 | | | |
| 190 + 13 | | R | 30 | | | |
| 195 + 30 | | R | 30 | | | |
| 195 + 30 | 252 + 65 | R | | 5735 | | |
| 209 + 60 | | R | 35 | | | |
| 210 + 40 | | R | 30 | | | |
| 211 + 05 | | R | 30 | | | |
| 211 + 75 | | R | 30 | | | |
| 224 + 25 | | R | 30 | | | |
| 238 + 60 | | R | 30 | | | |
| 252 + 65 | | R | 30 | | | |
| 253 + 65 | 306 + 15 | R | | 5250 | | |
| 266 + 20 | | R | 35 | | | |
| 277 + 35 | | R | 35 | | | |
| 278 + 48 | | R | 35 | | | |
| 279 + 60 | | R | 35 | | | |
| 288 + 90 | | R | 35 | | | |
| 306 + 15 | | R | 35 | | | |
| 306 + 60 | | R | 35 | | | |

| Sta. | To Sta. | Side | Remove Fence Lin. Ft. | Rem. & Rebuild Fence | Build B.W. Fence Lin. Ft. | Gates B.W. |
|---|---|---|---|---|---|---|
| 306 + 60 | 307 + 45 | R | | 85 | | |
| 307 + 45 | | R | 35 | | | |
| 307 + 65 | 348 + 50 | R | | 4085 | | |
| 308 + 00 | | R | 35 | | | |
| 318 + 45 | | R | 35 | | | |
| 332 + 52 | | R | 30 | | | |
| 348 + 32 | | R | 25 | | | |
| 348 + 65 | | R | 15 | | | |
| 348 + 65 | 349 + 30 | | | 65 | | |
| 349 + 30 | | R | 15 | | | |
| Totals FAP 295 B(2) | | | 1125 | 32160 | 0 | 0 |
| It is estimated that 550 New Line Posts (Treated Timber) will be required for FAP 295 B(2) | | | | | | |
| FAP 295 C(2) | | | | | | |
| 350 + 35 | | R | 30 | | | |
| 350 + 55 | 358 + 80 | R | | 825 | | |
| 358 + 80 | | R | 30 | | | |
| 359 + 40 | | R | 30 | | | |
| 359 + 40 | 383 + 40 | R | | 2400 | | |
| 379 + 30 | | R | 30 | | | |
| 383 + 25 | | R | 30 | | | |
| 383 + 40 | | R | 30 | | | |
| 383 + 55 | 383 + 65 | R | | 210 | | |
| 387 + 10 | 412 + 70 | R | | 2560 | | |
| 400 + 85 | | R | 30 | | | |
| 412 + 70 | | R | 30 | | | |
| 417 + 05 | | R | 30 | | | |
| 417 + 05 | 440 + 50 | R | | 2345 | | |
| 420 + 40 | | R | 30 | | | |
| 425 + 45 | | R | 30 | | | |
| 440 + 50 | 461 + 00 | R | 2090 | | 2050 | |
| 440 + 60 | | R | | | | 1 |
| Totals FAP 295 C(2) | | | 2420 | 8340 | *2050 | *1 |
| It is estimated that 125 New Line Posts (Treated Timber) will be required for FAP 295 C(2) | | | | | | |

* No Federal Aid

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 13 | |

NOTE: All poles encroaching on Right of Way are to be moved by Owner.

Right of Way Markers are tabulated on sheet No. 5.

Fencing Requirements are tabulated on sheet No. 5.

Grades and Alignment as shown hereon are subject to modification during construction only after approval by the Denver Office.

23+00 Req'd: 315 cu.yds. Embt. for Road Approach Lt.

29+75 Req'd: 80 cu.yds. Embt. for Road Approach Lt.

32+55 Req'd: 1035 cu.yds. Embt. for Major Road Appr. Lt.

33+00 Req'd: 24"x46' CMP Culvert under Railroad & 25 cu.yds. Excav. for Ditches.

33+50 Req'd: 24"x60' CMP Culvert & 2 Headwalls.

P.I. 33+55.9

P.O.T. 50+00.0

Telegraph Line

D. & R.G.W. RAILROAD (STANDARD & NARROW GAUGE)

Transformers

Power Line

Present Road

S. 12°33' W.

Telephone Line

Sign

40+75 Remove Sign Rt.

48+50 Remove Sign Rt.

MILL

S.D. > 1000 Ft.
Δ = 11°50' L
D = 2°00'
T = 296.9'
L = 591.7'
R = 2865.0'

Shed

House

Canning Factory

P.T. 26+04.5

P.C. 20+13.1

Pole #390

S. 0°43' W.

Gates

Irrig. Ditch

P.C. 30+59.0

Δ = 11°50' R
D = 2°00'
T = 296.9'
L = 591.7'
R = 2865.0'
S.D. > 1000 Ft

P.T. 36+50.7 BACK = 37+01.2 AHEAD

Pole #385

SPRUCE ST.

S. 12°33' W.

Pole #308

STA. 20+72 BEGINNING OF F.A.P. 295-B (2)

TOWN OF LA JARA

P.I. 23+10.0

20+72 Req'd: Project Marker & 25 cu.yds. Embt. for Approach to Project.

22+30 to 30+80 Req'd: 70 cu.yds. Excav. for Ditch Change Rt. See Typical Section on this sheet W=1'

32+64 Req'd: 80 cu.yds. Embt. for Road Approach Rt.

EQUATION:

GENERAL TYPICAL SECTION FOR DITCH CHANGES

In Excavation:

Variable

W

Excavated Material to be used to dike lower side of ditch.

In Embankment:

2' Minimum

Variable

W

FLAN

SURVEYED
PLOTTED
NOTE BOOK
NO.

DATE
BY

PROFILE

SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTED
NOTE BOOK
NO.

DATE
BY

7610
7600
7590

P.I. 76.05.90

+0.63%

-0.12%

+0.153%

P.I. 76.07.09 V.C. 00.9
Ditch Grade

P.I. 04.70

04.94
04.84
05.01

400' V.C.

200' V.C.

05.77
05.71
05.76

05.70
05.70

P.I. 06.00

0.00%

+0.075% Ditch Grade

+0.13%

+0.19% Ditch Grade

P.I. 01.99
Ditch Grade

06.00
06.03
06.13

05.85
05.96
06.00

P.I. 06.00

200' V.C.
NRSD IN EXCESS OF 1300 FT.

600

Excav.
Embt. Factor
Embt. x Factor
Borrow
Sta. 101 O.H.
Vol. Mi. O.H.
Borrow Source

26

1.25
23.996
23.000
23.3000
13.082

P.I. No. 1 - 400 Rt. from Sta. 87+50

20
25
30
35
40
45
50

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 13 | |

NOTE: All poles encroaching on Right of Way are to be moved by Owner.

Right of Way Markers are tabulated on sheet No. 5.

Fencing Requirements are tabulated on sheet No. 5.

Grades and Alignment as shown hereon are subject to modification during construction only after approval by the Denver Office.

23 + 00 Req'd: 315 cu. yds. Embt. for Road Approach Lt.

29 + 75 Req'd: 80 cu. yds. Embt. for Road Approach Lt.

32 + 55 Req'd: 1095 cu. yds. Embt. for Major Road Appr. Lt.

33 + 00 Req'd: 24" x 46' CMP Culvert under Railroad & 25 cu. yds. Excav. for Ditches.

33 + 50 Req'd: 24" x 60' CMP Culvert & 2 Headwalls.

P.I. 33 + 55.9

P.O.T. 50 + 00.0

Telegraph Line

D. & R. G. W. RAILROAD (STANDARD & NARROW GAUGE)

Transformers

Power Line

Present Road

S. 12° 33' W.

Telephone Line

Sign

40 + 75 Remove Sign Rt.

48 + 50 Remove Sign Rt.

MILL

S.D. > 1,000 Ft.
Δ = 11° 50' L
D = 2° 00'
T = 296.9'
L = 591.7'
R = 2865.0

Shed

Canning Factory

House

P.C. 20 + 13.1

P.T. 26 + 04.0

Pole #590

Pole #585

Pole #588

Gates

S. 0° 43' W.

SPRUCE ST.

S. 12° 33' W.

P.C. 30 + 59.0

Ditch

Δ = 11° 50' R
D = 2° 00'
T = 296.9'
L = 591.7'
R = 2865.0'
S.D. > 1,000 Ft.

P.T. 36 + 50.7 BACK = 37 + 01.2 AHEAD

EQUATION:

General Typical Section for Ditch Changes

In Excavation:

Variable

W

Excavated Material to be used to dike lower side of ditch.

In Embankment:

2' Minimum

Variable

W

TOWN OF LA JARA

STA. 20 + 72 BEGINNING OF F.A.P. 295 - B (2)

P.I. 23 + 10.0

20 + 72 Req'd: Project Marker & 25 cu. yds. Embt. for Approach to Project

22 + 30 to 30 + 80 Req'd: 70 cu. yds. Excav. for Ditch Change Rt. See Typical Section on this sheet W = 1'

32 + 64 Req'd: 80 cu. yds. Embt. for Road Approach Rt.

PLAN

PROFILE

P.I. 76.05.90

400' V.C.

04.94

04.94

05.01

05.20

05.20

P.I. 06.00

200' V.C.

06.00

06.03

06.18

7610

7600

7590

+0.63%

-0.12%

+0.153%

0.00%

+0.075% = Ditch Grade %

+0.13%

+0.14% = Ditch Grade %

P.I. 76.01.09 Ditch Grade

P.I. 01.99 Ditch Grade

05.27

05.71

05.78

200' V.C.

P.I. 04.70

05.25

05.96

06.00

200' V.C.
NASD IN EXCESS OF 1300 FT.

P.I. 06.00

Excav.
Embt. Factor.
Embt. x Factor
Borrow
Sta. Nt. O.H.
Vol. Mt. O.H.
Borrow Source

26

600

1.25
23.996
23.000
23.3000
13.082

Pit No. 1 - 400 Rt. from Sta. 87 + 50

20

25

30

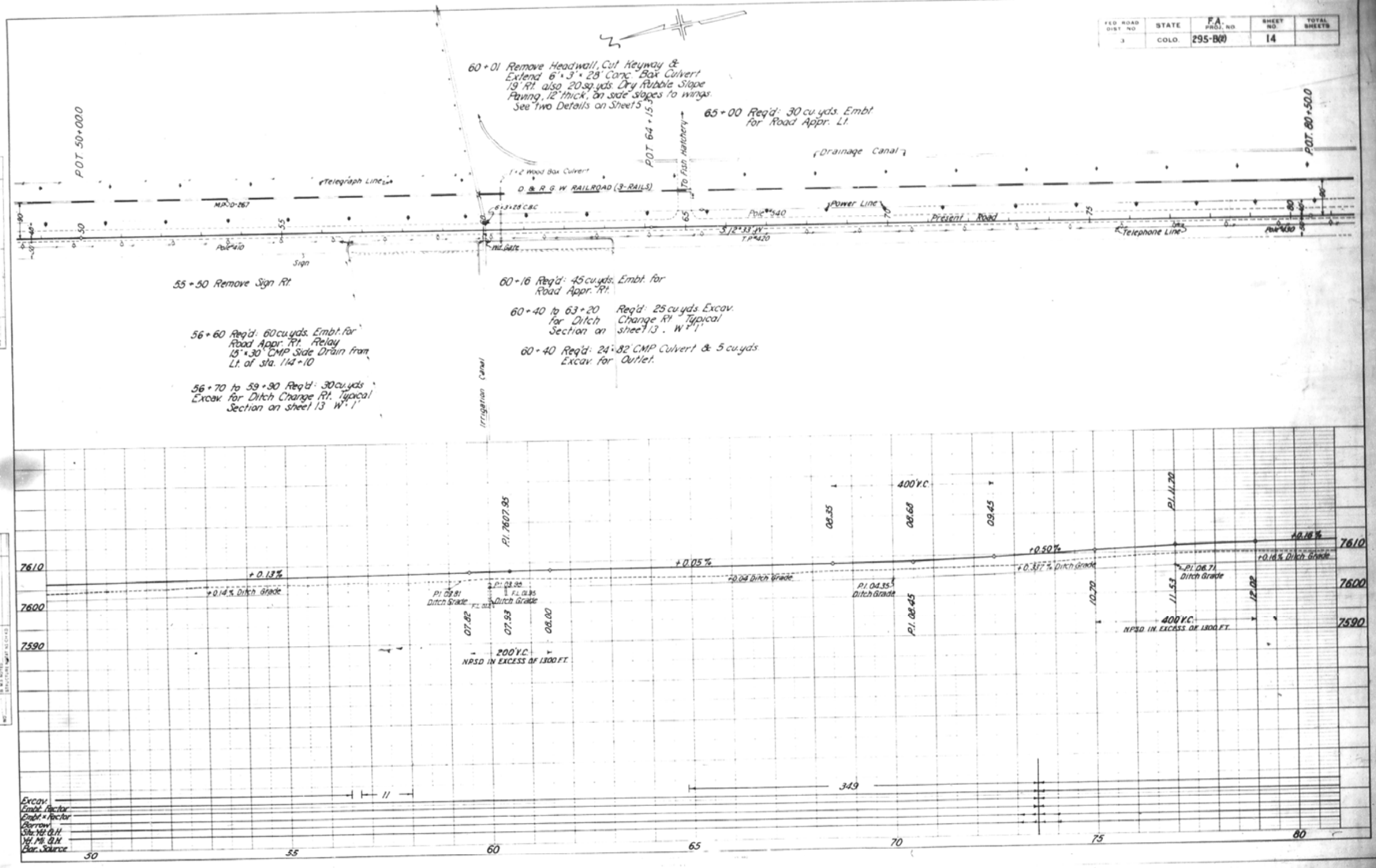
35

40

45

50

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 14 | |



| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 15 | |

FORCE ACCOUNT
(Work to be done by State Forces.)
87+00 Remove & Reset U.S.G.S. Bench Mark Rt.

88+75 Req'd: 40 cu.yds. Embt. for Road Approach Lt.

87+60 Req'd: 15 cu.yds. Embt. for Road Approach Rt.

88+05 Remove Headwalls, Cut Keyways & Extend 4'×3'×40' Conc. Box Culvert 4' Lt. & 21' Rt. (see detail on sheet 5.)

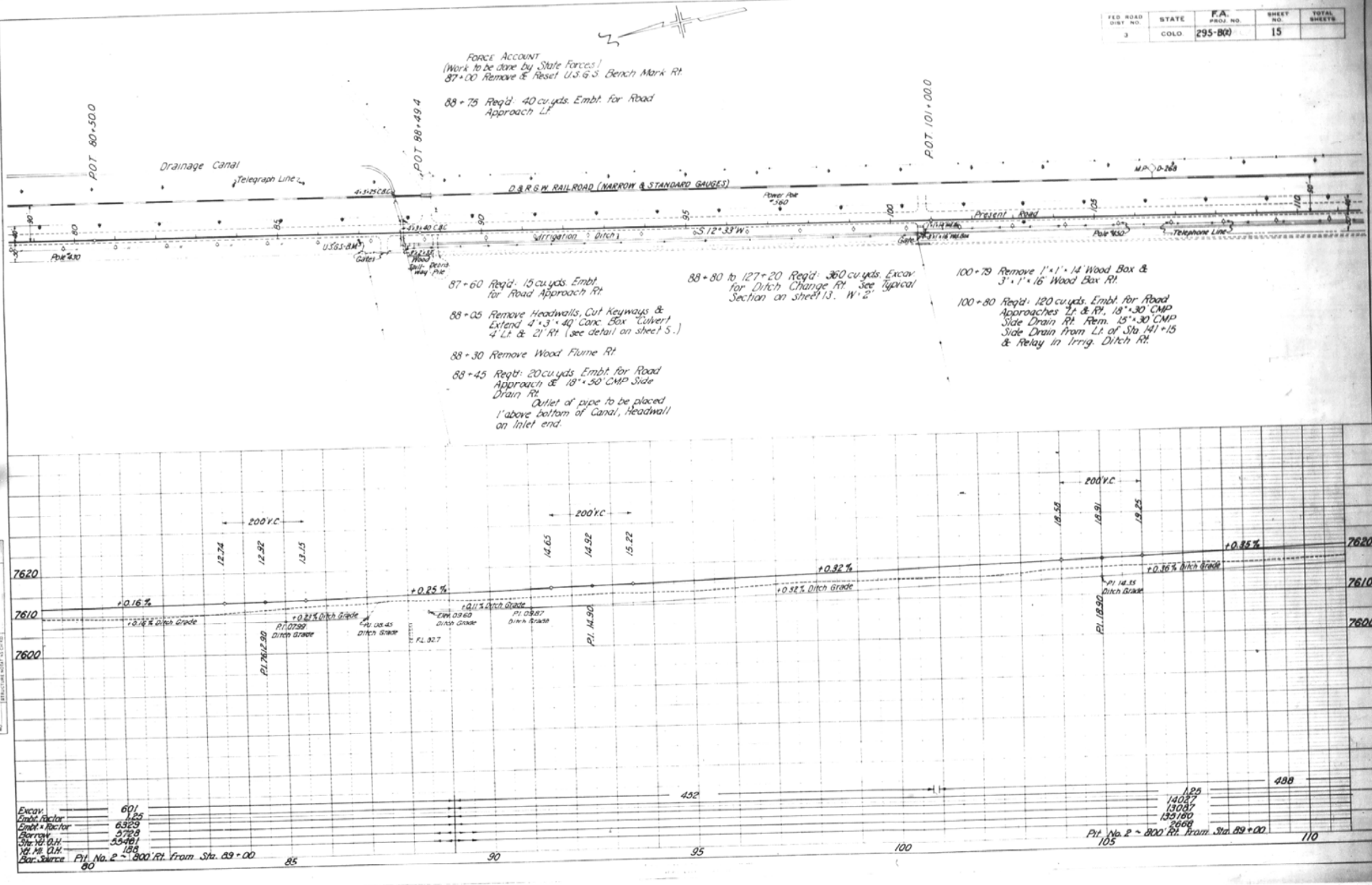
88+30 Remove Wood Flume Rt.

88+45 Req'd: 20 cu.yds. Embt. for Road Approach & 18"×30' CMP Side Drain Rt.
Outlet of pipe to be placed 1' above bottom of Canal, Headwall on Inlet end.

88+80 to 127+20 Req'd: 360 cu.yds. Excav. for Ditch Change Rt. See Typical Section on sheet 13. W=2'

100+79 Remove 1'×1'×14' Wood Box & 3'×1'×16' Wood Box Rt.

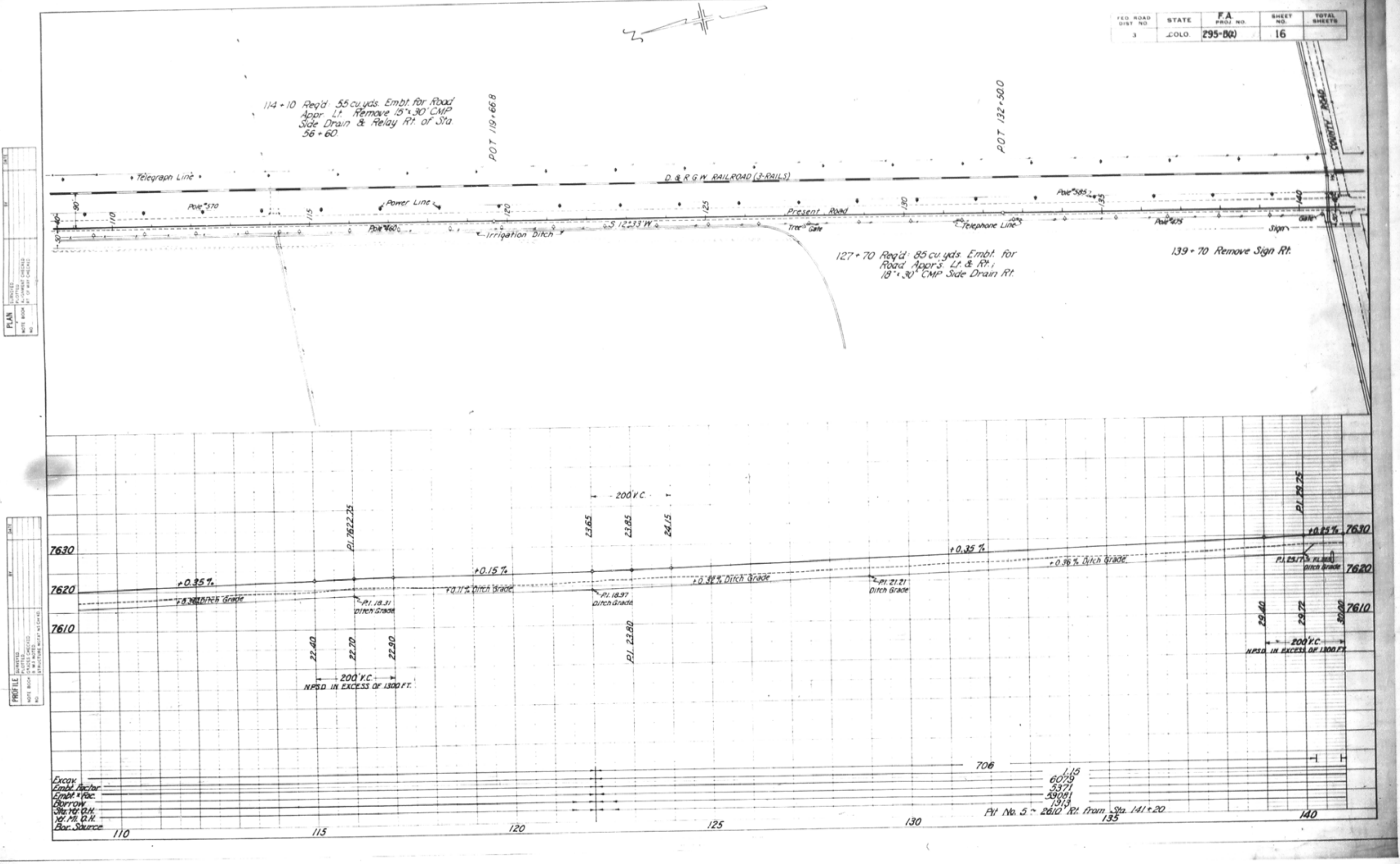
100+80 Req'd: 120 cu.yds. Embt. for Road Approaches Lt. & Rt., 18"×30' CMP Side Drain Rt. Rem. 15"×30' CMP Side Drain from Lt. of Sta. 141+15 & Relay in Irrig. Ditch Rt.




PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHK. BY
ALIGNMENT CPL. BY

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHK. BY
GRADES CPL. BY
STRUCTURE GRADE CHK. BY

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 16 | |



114+10 Req'd: 55 cu. yds. Embt. for Road Appr. Lt. Remove 15"x30' CMP Side Drain & Relay Rt. of Sta. 56+60.

127+70 Req'd: 85 cu. yds. Embt. for Road Appr's. Lt. & Rt.; 18"x30' CMP Side Drain Rt.

139+70 Remove Sign Rt.

Pit No. 5 ~ 2610' Rt. from Sta. 141+20

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO | 295-B00 | 17 | |

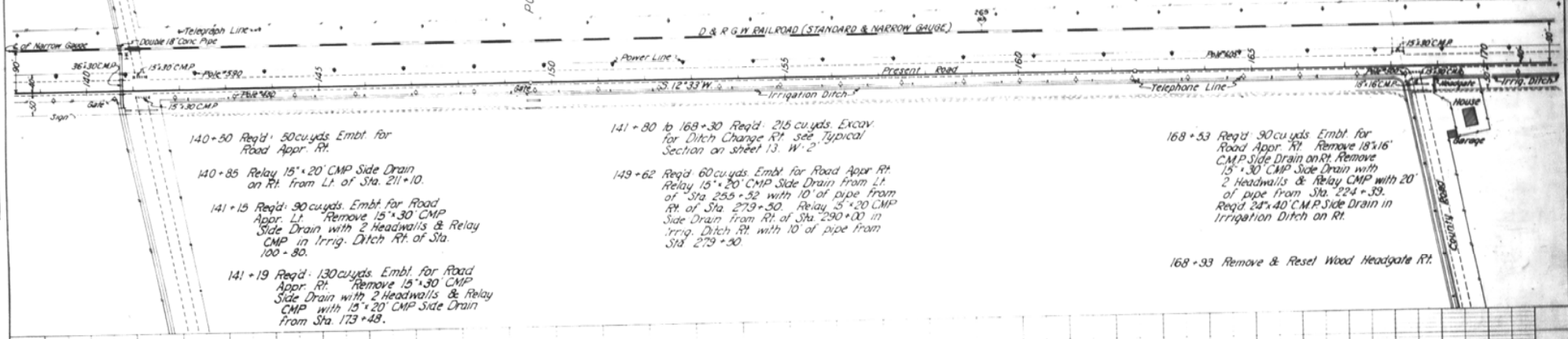
Rev. For Side Drain, Sta. 168+-11/29/60-H.R.

140+73 Remove 36"×30' CMP Culvert with 2 Headwalls, Extend 44' and Relay, build 2 Headwalls. 25 cu.yds Excav. from Ditches.

POT 149+55.0

POT 162+50.0

168+15 Req'd: 40 cu.yds. Embt. for Road Appr. Lt. Remove 15"×30' CMP Side Drain Lt. & Relay Rt. of Sta. 173+48.




140+50 Req'd: 50 cu.yds. Embt. for Road Appr. Rt.

140+85 Relay 15"×20' CMP Side Drain on Rt. from Lt. of Sta. 211+10.

141+15 Req'd: 90 cu.yds. Embt. for Road Appr. Lt. Remove 15"×30' CMP Side Drain with 2 Headwalls & Relay CMP in Irrig. Ditch Rt. of Sta. 100+80.

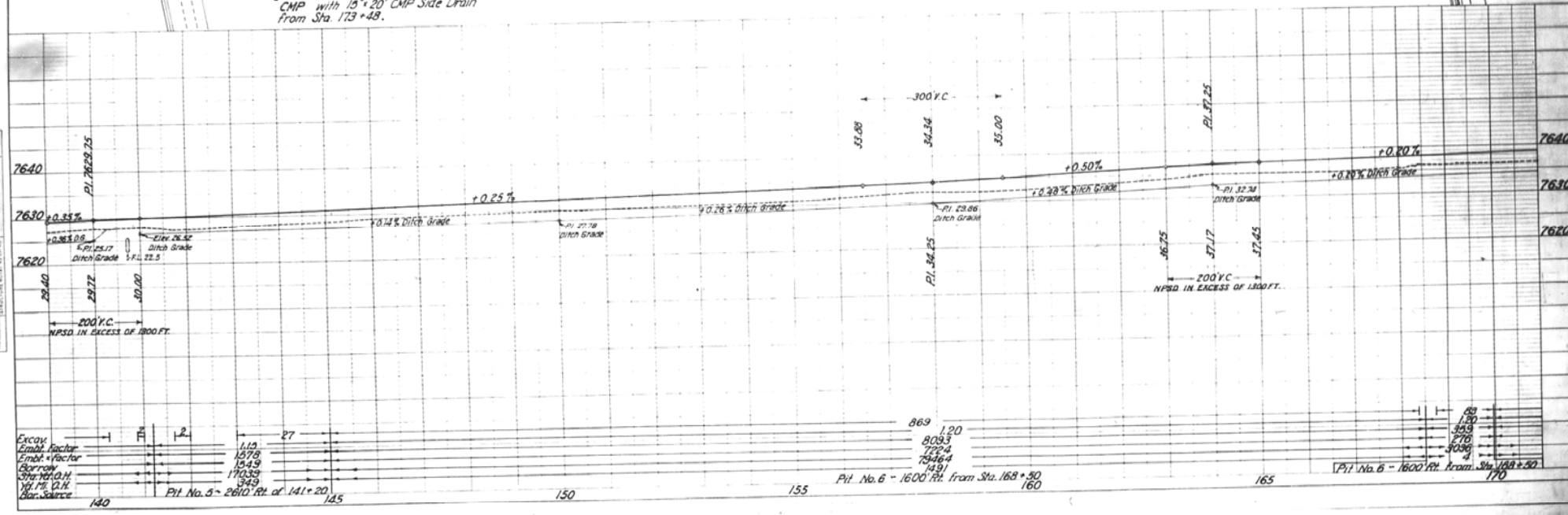
141+19 Req'd: 130 cu.yds. Embt. for Road Appr. Rt. Remove 15"×30' CMP Side Drain with 2 Headwalls & Relay CMP with 15"×20' CMP Side Drain from Sta. 173+48.

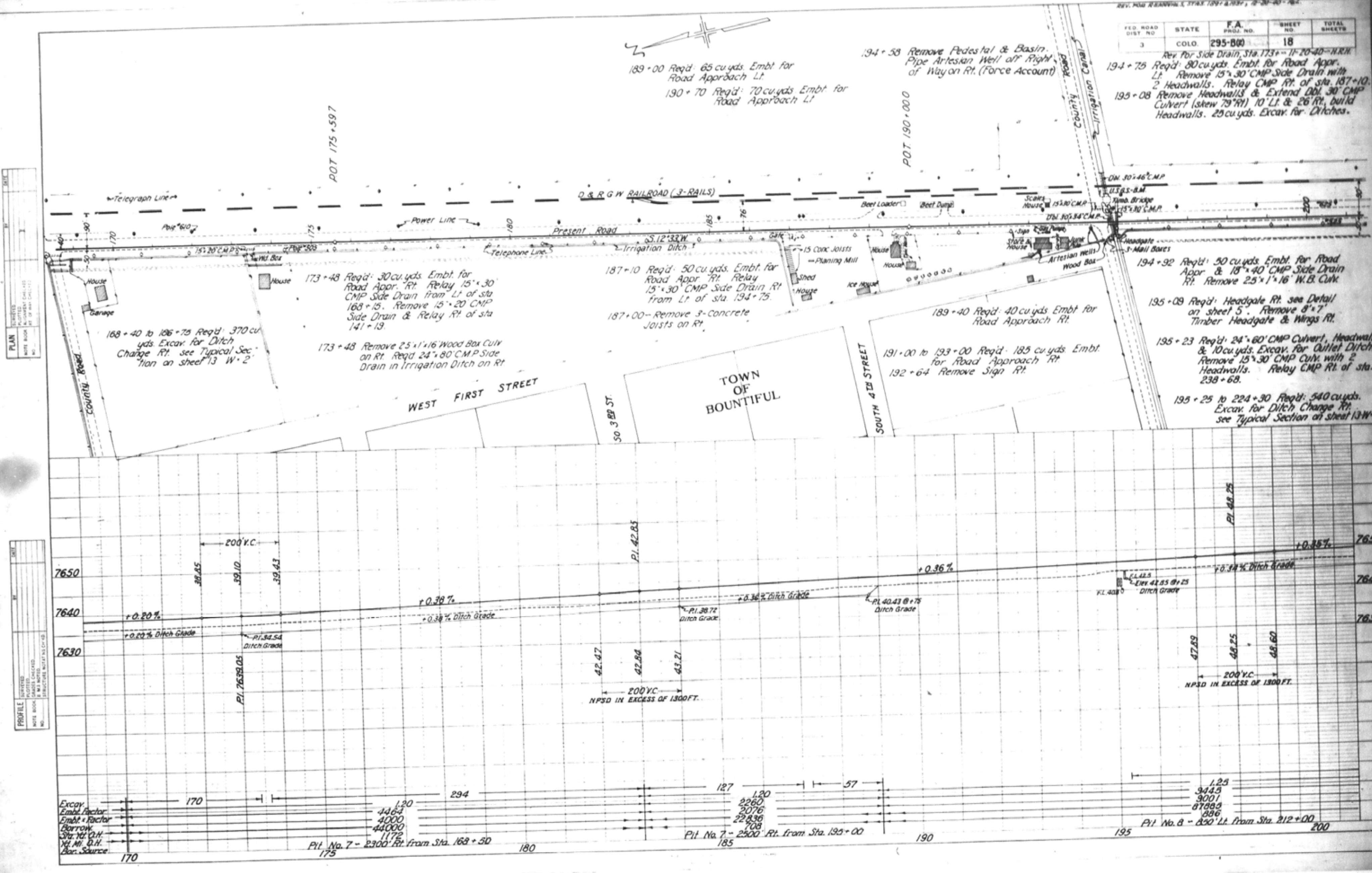
141+80 to 168+30 Req'd: 215 cu.yds. Excav. for Ditch Change Rt. see Typical Section on sheet 13. W-2

149+62 Req'd: 60 cu.yds. Embt. for Road Appr. Rt. Relay 15"×20' CMP Side Drain from Lt. of Sta. 255+52 with 10' of pipe from Rt. of Sta. 279+50. Relay 15"×20' CMP Side Drain from Rt. of Sta. 290+00 in Irrig. Ditch Rt. with 10' of pipe from Sta. 279+50.

168+53 Req'd: 90 cu.yds. Embt. for Road Appr. Rt. Remove 18"×16' C.M.P. Side Drain on Rt. Remove 15"×30' CMP Side Drain with 2 Headwalls & Relay CMP with 20' of pipe from Sta. 224+39. Req'd. 24"×40' C.M.P. Side Drain in Irrigation Ditch on Rt.

168+93 Remove & Reset Wood Headgate Rt.





| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(1) | 18 | |

Rev. For Side Drain, Sta. 173+ – 11-20-40 – H.R.H.

189+00 Req'd: 65 cu. yds. Embt. for Road Approach Lt.

190+70 Req'd: 70 cu. yds. Embt. for Road Approach Lt.

194+58 Remove Pedestal & Basin. Pipe Artesian Well off Right of Way on Rt. (Force Account)

194+75 Req'd: 80 cu. yds. Embt. for Road Appr. Lt. Remove 15"×30' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of sta. 187+10.

195+08 Remove Headwalls & Extend Dbl. 30" CMP Culvert (skew 79° Rt) 10' Lt. & 26' Rt. build Headwalls. 25 cu. yds. Excav. for Ditches.

168+40 to 186+75 Req'd: 370 cu. yds. Excav. for Ditch Change Rt. see Typical Section on sheet 13 W-2

173+48 Req'd: 30 cu. yds. Embt. for Road Appr. Rt. Relay 15"×30' CMP Side Drain from Lt. of sta. 168+15. Remove 15"×20' CMP Side Drain & Relay Rt. of sta. 141+19.

173+48 Remove 2.5'×1'×16' Wood Box Culv on Rt. Req'd 24"×80' C.M.P. Side Drain in Irrigation Ditch on Rt.

187+10 Req'd: 50 cu. yds. Embt. for Road Appr. Rt. Relay 15"×30' CMP Side Drain Rt. from Lt. of sta. 194+75.

187+00 – Remove 3-Concrete Joists on Rt.

189+40 Req'd: 40 cu. yds. Embt for Road Approach Rt.

191+00 to 193+00 Req'd: 185 cu. yds. Embt. for Road Approach Rt.

192+64 Remove Sign Rt.

194+92 Req'd: 50 cu. yds. Embt. for Road Appr. & 18"×40' CMP Side Drain Rt. Remove 2.5'×1'×16' W.B. Culv.

195+09 Req'd: Headgate Rt. see Detail on sheet 5. Remove 8'×7' Timber Headgate & Wings Rt.

195+23 Req'd: 24"×60' CMP Culvert, Headwal & 10 cu. yds. Excav. for Outlet Ditch Remove 15"×30' CMP Culv. with 2 Headwalls. Relay CMP Rt. of sta. 238+68.

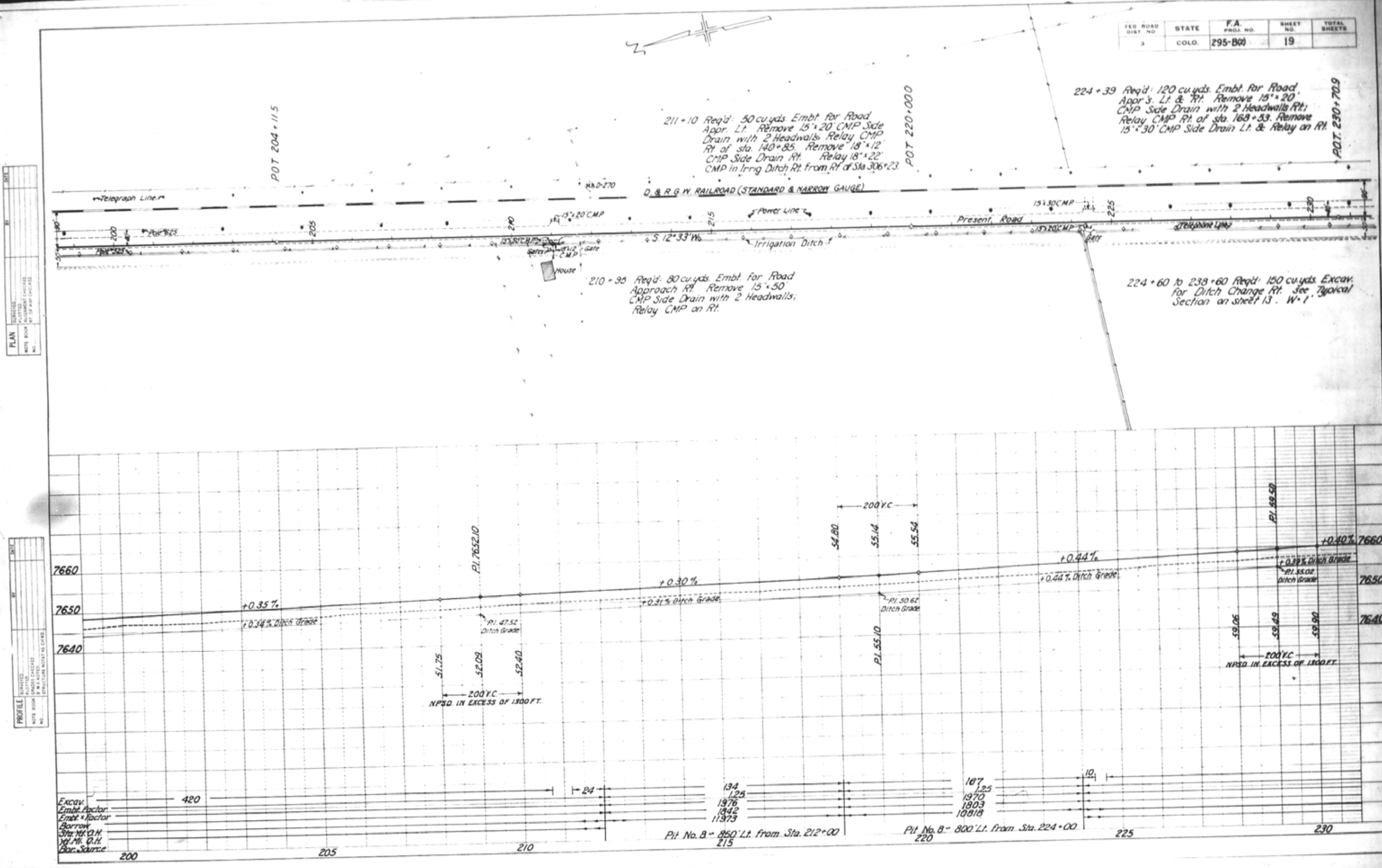
195+25 to 224+30 Req'd: 540 cu. yds. Excav. for Ditch Change Rt. see Typical Section on sheet 13-W

Pit No. 7 – 2300' Rt. from Sta. 168+50

Pit No. 7 – 2500' Rt. from Sta. 195+00

Pit No. 8 – 850' Lt. from Sta. 212+00

| FED ROAD DIST NO | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 19 | |



211+10 Req'd: 50 cu. yds. Embt. for Road Appr. Lt. Remove 15"x20' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of sta. 140+85. Remove 18"x12' CMP Side Drain Rt. Relay 18"x22' CMP in Irrig. Ditch Rt. from Rt. of Sta. 306+23.

224+39 Req'd: 120 cu. yds. Embt. for Road Appr's. Lt. & Rt. Remove 15"x20' CMP Side Drain with 2 Headwalls Rt.; Relay CMP Rt. of sta. 168+53. Remove 15"x30' CMP Side Drain Lt. & Relay on Rt.

210+95 Req'd: 80 cu. yds. Embt. for Road Approach Rt. Remove 15"x50' CMP Side Drain with 2 Headwalls; Relay CMP on Rt.

224+60 to 238+60 Req'd: 150 cu. yds. Excav. for Ditch Change Rt. See Typical Section on sheet 13. W=1'

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 20 | |

Rev. for Side Drain Removals, sta. 238+ & 252+ - 11-20-40 - H.A.M.

238+59 Req'd: 40 cu. yds. Embt. for Road Appr. Lt. Remove 15"×20' CMP Side Drain Lt.

252+62 Req'd: 70 cu. yds. Embt. for Road Appr. Lt. Remove 15"×20' CMP Side Drain Lt.

255+52 Req'd: 30 cu. yds. Embt. for Road Appr. Lt. Remove 15"×20' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of sta. 149+62.

238+68 Req'd: 40 cu. yds. Embt. for Road Appr. Rt. Remove 1.5'×1.'×17' Wood Box Culv., Relay 15"×30' CMP Side Drain Rt. from sta. 195+23

239+00 to 252+60 Req'd: 140 cu. yds. Excav. for Ditch Change Rt. See Typical Section on sheet 13. W.P.

FORCE ACCOUNT
(Work to be done by State Forces.)
252+49 Remove & Reset U.S.G.S. Bench Mark Rt.

252+89 Req'd: 80 cu. yds. Embt. for Road Appr. Rt. Remove 15"×50' CMP Side Drain with 2 Headwalls. Relay CMP on Rt.

POT. 230+70.9
POT. 243+00.0
POT. 257+40.3
Telegraph Line
Gate
D.&R.G.W. RAILROAD (3-RAILS)
Pole #650
Pole #530
15"×20' C.M.P.
Power Line
Present Road
S. 12°33' W.
Irrigation Ditch
Mail Box
U.S.G.S. B.M.
15"×50" C.M.P.
Telephone Line
County Road
90
230
235
240
245
250
255
260

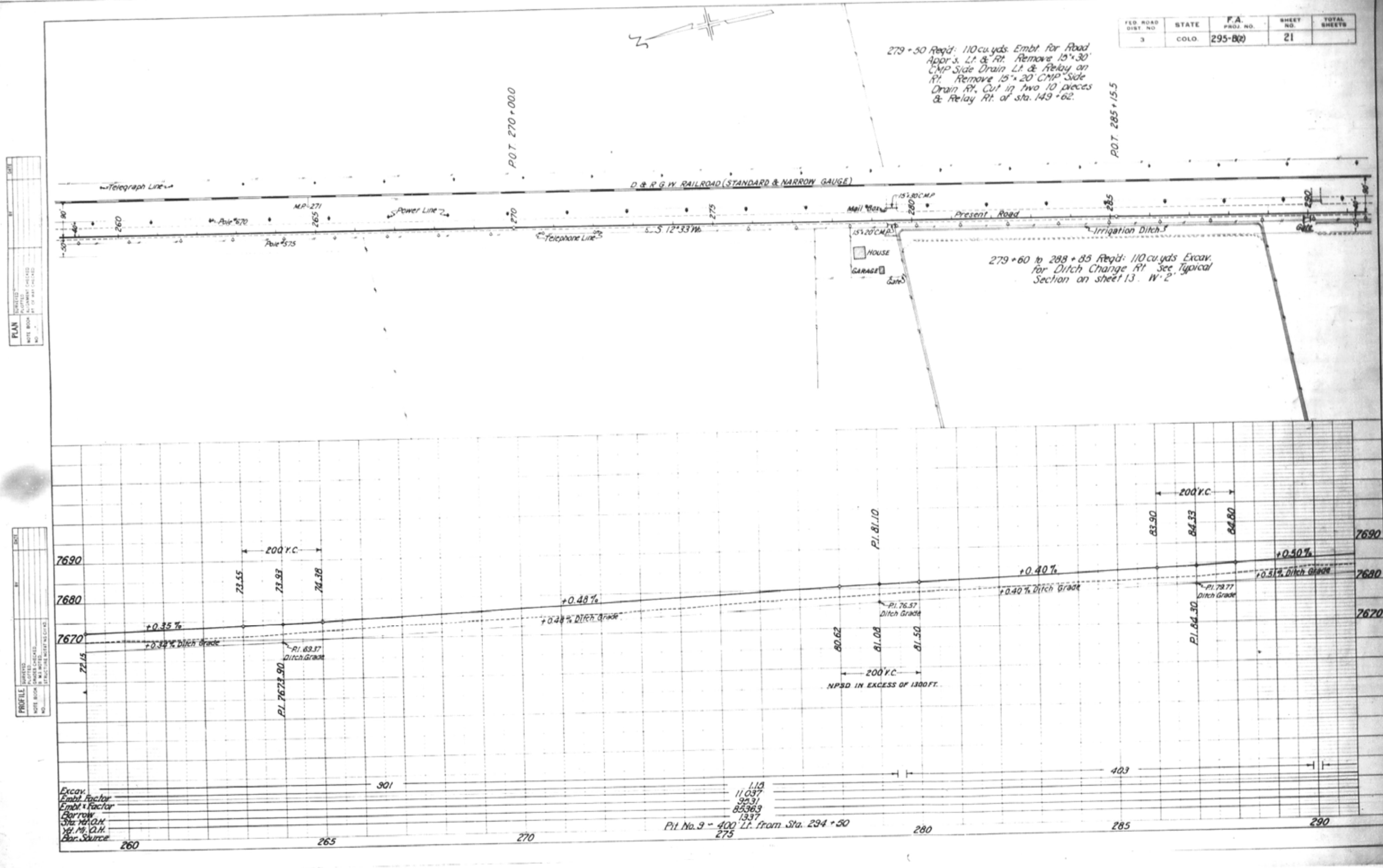
PLAN
CERTIFIED CORRECT
NOTE BOOK
NO.
DATE
BY

PROFILE
CERTIFIED CORRECT
NOTE BOOK
NO.
STRUCTURE NOTE NO. CH. 63
DATE
BY

200' V.C.
67.90
68.33
68.80
P.I. 71.80
7680
7670
7660
7650
P.I. 76.59.50
+0.40%
+0.50%
+0.49% Ditch Grade
+0.33% Ditch Grade
+0.40% Ditch Grade
+0.33% Ditch Grade
P.I. 55.02 Ditch Grade
P.I. 58.92 Ditch Grade
P.I. 62.92 Ditch Grade
P.I. 62.33 Ditch Grade
P.I. 68.30
71.10
71.76
77.15
59.49
59.90
200' V.C.
200' V.C.
N.P.S.D. IN EXCESS OF 1300 FT.

| | 230 | 235 | 240 | 245 | 250 | 255 | 260 |
|---|---|---|---|---|---|---|---|
| Excav. | 488 | | 125 | 669 | | 245 | |
| Embt. Factor | | | 11385 | | | | |
| Embt. × Factor | | | 9973 | | | | |
| Borrow | | | 99871 | | | | |
| Sta. Yd. O.H. | | | 1814 | | | | |
| Yd. Mi. O.H. | | | | | | | |
| Bor. Source | | | Pit No. 8 - 800' Lt. from Sta. 224+00 | | | | |

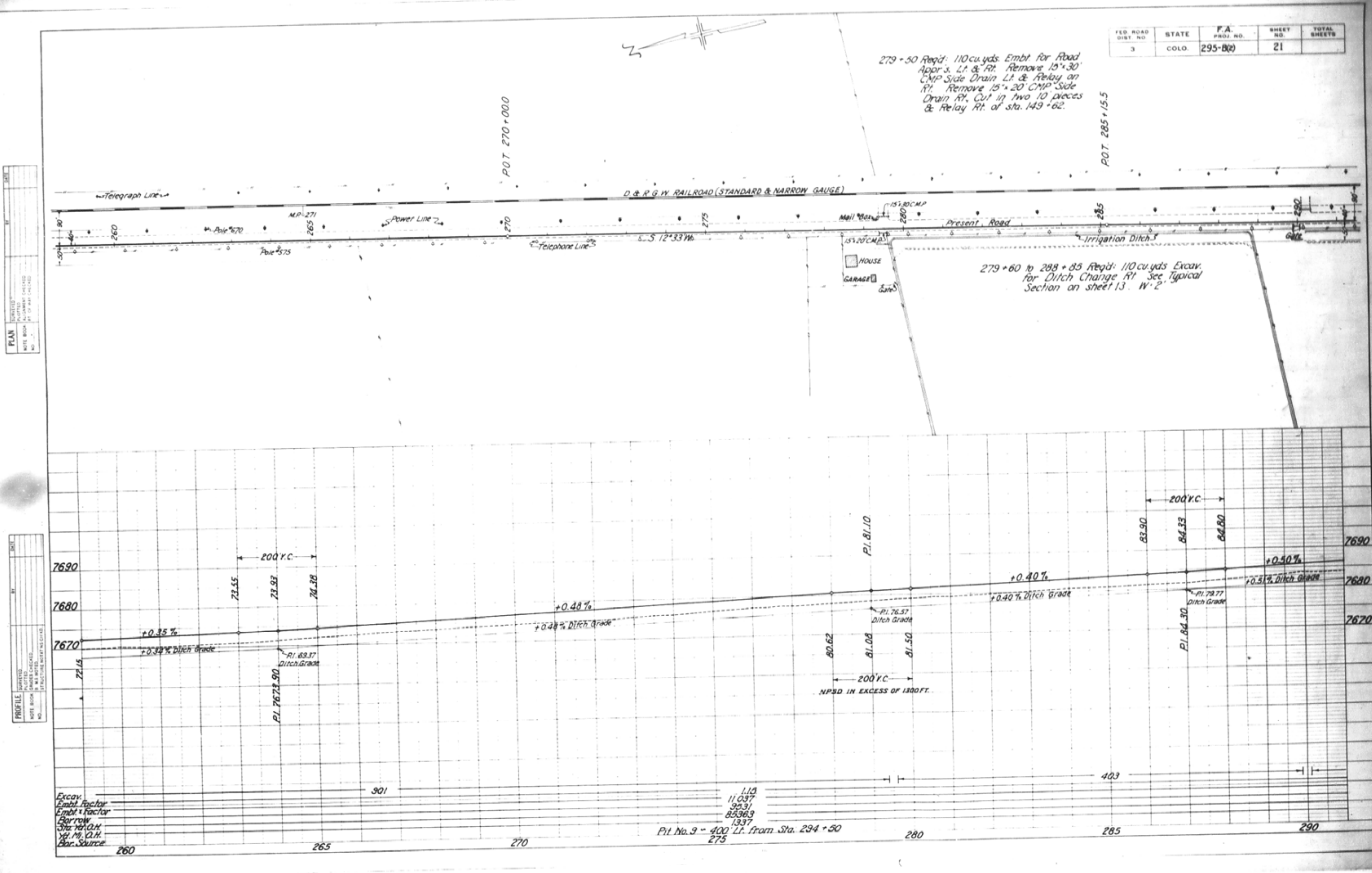
| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 21 | |



279+50 Req'd: 110 cu. yds. Embt. for Road Appr's. Lt. & Rt. Remove 15"x30' CMP Side Drain Lt. & Relay on Rt. Remove 15"x20' CMP Side Drain Rt. Cut in two 10' pieces & Relay Rt. of sta. 149+62.

279+60 to 288+85 Req'd: 110 cu. yds Excav. for Ditch Change Rt. See Typical Section on sheet 13. W-2'

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 21 | |



279+50 Req'd: 110 cu. yds. Embt. for Road Appr's. Lt. & Rt. Remove 15"x30' CMP Side Drain Lt. & Relay on Rt. Remove 15"x20' CMP Side Drain Rt., Cut in two 10' pieces & Relay Rt. of sta. 149+62.

279+60 to 288+85 Req'd: 110 cu. yds Excav. for Ditch Change Rt. See Typical Section on sheet 13. W=2'

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 22 | |

290+23 Req'd: 60 cu.yds. Embt. for Road Approach Lt. Remove 15"×30' CMP Side Drain & Relay Rt. of sta. 290+00.

306+17 Req'd: 110 cu.yds. Embt. for Road Appr. Lt. Remove 2'×1'×16' Wood Box Culvert.

307+20 Req'd: 40 cu.yds. Embt. for Road Approach Lt. Remove 15"×20' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of sta 306+23.

POT 300+000

Sta 306+24.0

POT 309+19.1

Telegraph Line

NARROW GAUGE TRACK

15"×30' CMP

Pole #690

Power Line

D & R G W RAILROAD (3-RAILS)

Mail Box

Mail Box

15"×20' CMP

U.S.C.&G. Tri Point

Present Road

M.P. 77.2

U.S.C.&G.-B.M.

U.S.C.&G.-Tri. Point

Telephone Line

15"×20' CMP

Pole #600

Irrigation Ditch

S.12°33' W.

18"×22' C.M.P.

County Road

78°54'

307+45 Req'd: 23 cu.yds. Embt. for Road Appr. Rt. Remove 15"×20' CMP Side Drain with 2 Headwalls. Relay CMP with 10' of pipe from Rt. of sta 320+00.

290+00 Req'd: 40 cu.yds. Embt. for Road Appr. Rt. Remove 15"×20' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of sta. 149+62. Relay 15"×30' CMP Side Drain Rt. from Lt. of sta. 290+23.

290+50 to 306+15 Req'd: 175 cu.yds. Excav. for Ditch Change Rt. See Typical Section on sheet 13. W-1

306+23 Req'd: 65 cu.yds. Embt. for Road Appr. Rt. Remove 18"×22' CMP Side Drain & Relay in Irrig. Ditch Rt. of sta 211+10. Relay 15"×20' CMP Side Drain Rt. from Lt. of sta 307+20 with 10' of pipe from Rt. of sta. 320+00.

HOUSE

S.08°31' W. to C.O.

16'

10'

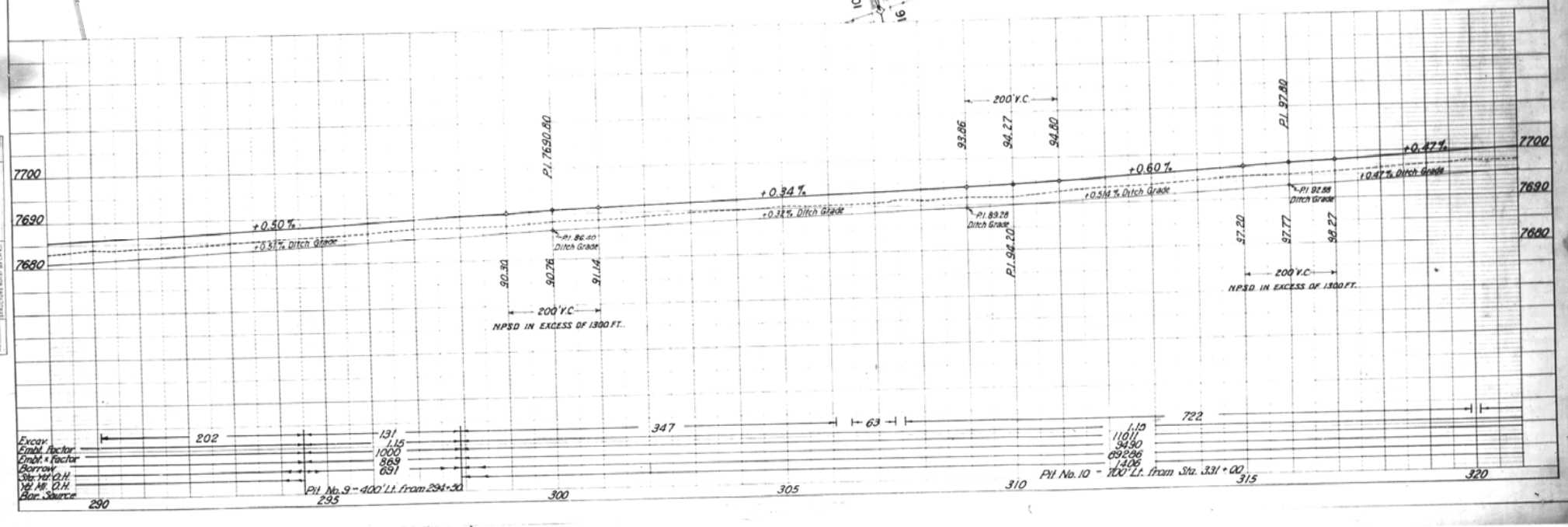
320+00 Req'd: 45 cu.yds. for Road Appr. Rt. Remove 15"×20' CMP Side Drain with 2 Headwalls, Cut in two 10' pieces & Relay CMP Rt. of sta's. 306+23 & 307+45. Relay 15"×30' CMP Side Drain Rt. from Lt. of sta. 334+13.

PLAN

SURVEYED
PLOTTED
NOTE BOOK
NO.
DATE
BY
CHECKED
BY
CHECKED

PROFILE

SURVEYED
PLOTTED
NOTE BOOK
NO.
GRADES CHECKED
STRUCTURE INSPECTED BY
DATE
BY



| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(1) & C(2) | 23 | |

334 + 18 Req'd. 65 cu.yds. Embt. for Road Appr. Lt. Remove 15" x 30' CMP. Side Drain & Relay Rt. of sta. 320 + 00.

349 + 04 Req'd. 75 cu.yds. Embt. for Road Appr. Lt. Remove 15" x 30' CMP Side Drain & Relay Rt. of sta. 348 + 57.

POT 325 + 00.0

POT 336 + 25.7

(POT 349 + 71.9 BACK
POT 350 + 00.0 AHEAD)

Gate

Telegraph Lines

D & R G W RAILROAD (STANDARD & NARROW GAUGE)

U.S.C.&G.-Tri Point

Pole #710

Power Line

15" x 30' C.M.P.

Present Road

S 12°33' W.

Pole #620

Telephone Line

15" x 20' C.M.P.

Irrigation Ditch

15" x 30' C.M.P.

Garden

House

Prop. Line

END OF F.A.P.-295-B(1)
BEGIN F.A.P.-295-C(2)

EQUATION

330 + 00 to 332 + 50 Req'd. 25 cu.yds. Excav. for Ditch Change Rt. see Typical Section on this Sheet W-1

332 + 70 to 348 + 30 Req'd. 160 cu.yds. Excav. for Ditch Change Rt. see Typical Section on this Sheet W-1

348 + 40 to 349 + 71.9 Req'd. 15 cu.yds. Excav. for Ditch Change Rt. see Typical Section on this Sheet W-1

348 + 57 Req'd. 50 cu.yds. Embt. for Road Appr. Rt. Remove 15" x 20' CMP Side Drain with 2 Headwalls. Relay CMP in Irrig. Ditch Rt. Relay 15" x 30' CMP Side Drain Rt. from Lt. of sta. 349 + 04.

349 + 71.9 Remove & Reset Project Marker Rt.

GENERAL TYPICAL SECTION FOR DITCH CHANGES

In Excavation:

Variable

W

Excavated Material to be used to dike lower side of ditch.

In Embankment:

2' Minimum

Variable

W

PLAN

| SURVEYED | DATE |
|---|---|
| PLOTTED | |
| ALIGNMENT CHECKED | |
| GRADES CHECKED | |
| NOTE BOOK | BY |
| NO. | |

PROFILE

| SURVEYED | DATE |
|---|---|
| PLOTTED | |
| GRADES CHECKED | |
| NOTE BOOK | BY |
| NO. | |

7710

7700

7690

+0.47%

+0.47% Ditch Grade

P.I. 7704.85

P.I. 99.46 Ditch Grade

04.38

04.84

05.28

200' V.C.

N.P.S.D. IN EXCESS OF 1300 FT.

+0.43% Ditch Grade

+0.428%

P.I. 0.376 Ditch Grade

09.77

10.21

10.65

200' V.C.

P.I. 10.20

+0.54% Ditch Grade

+0.45%

12.55 @ 71.9

349 + 71.9 BACK
350 + 00.0 AHEAD

18.57

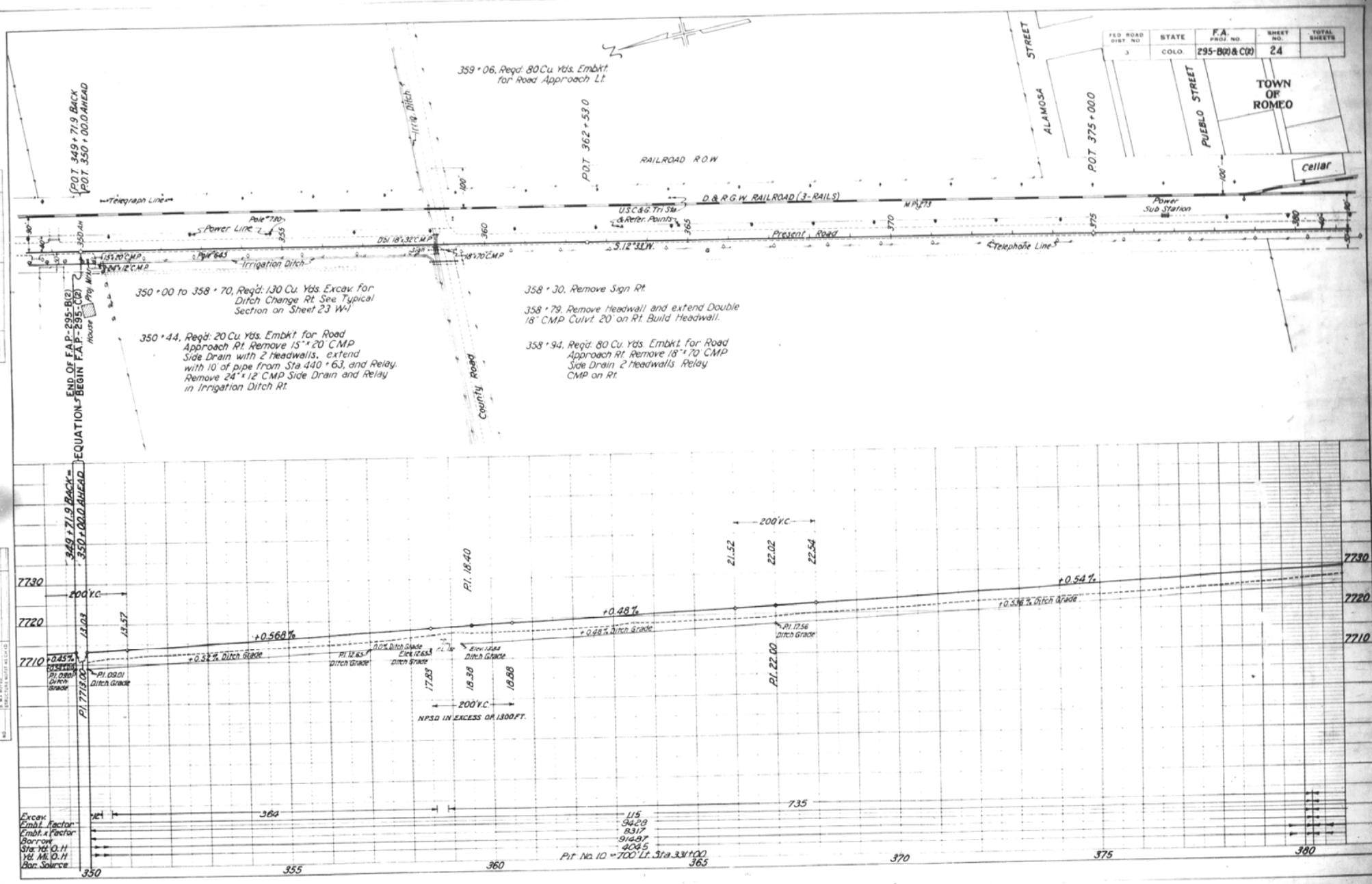
P.I. 0.01 Ditch Grade

P.I. 0.01 Ditch Grade

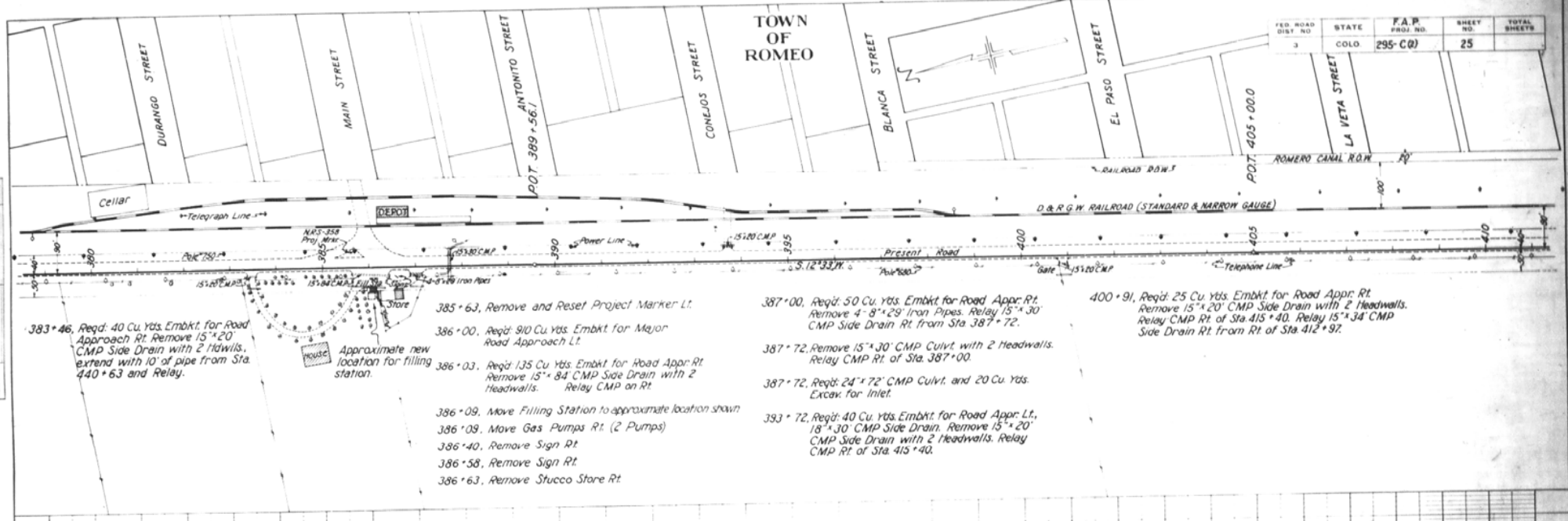
P.I. 7713.00

| | 320 | 325 | 330 | 335 | 340 | 345 | 350 |
|---|---|---|---|---|---|---|---|
| Excav. | 389 | | | 692 | | | 41 |
| Embt. Factor | | | | 1.15 | | | |
| Embt. x Fac. | | | | 7176 | | | |
| Borrow | | | | 6443 | | | |
| Sta. Yd. O.H. | | | | 53689 | | | |
| Yd. Mi. O.H. | | | | 941 | | | |
| Bor. Source | | | | Pit No. 10 - 700' Lt. from Sta. 331 + 00 | | | |

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | Z95-B(2) & C(2) | 24 | |



| FED. ROAD DIST. NO. | STATE | F.A.P. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-C(2) | 25 | |




383+46, Reqd: 40 Cu. Yds. Embkt. for Road Approach Rt. Remove 15"x20' CMP Side Drain with 2 Hdwlls., extend with 10' of pipe from Sta. 440+63 and Relay.

385+63, Remove and Reset Project Marker Lt.

386+00, Reqd: 910 Cu. Yds. Embkt. for Major Road Approach Lt.

386+03, Reqd: 135 Cu. Yds. Embkt. for Road Appr. Rt. Remove 15"x84' CMP Side Drain with 2 Headwalls. Relay CMP on Rt.

386+09, Move Filling Station to approximate location shown.

386+09, Move Gas Pumps Rt. (2 Pumps)

386+40, Remove Sign Rt.

386+58, Remove Sign Rt.

386+63, Remove Stucco Store Rt.

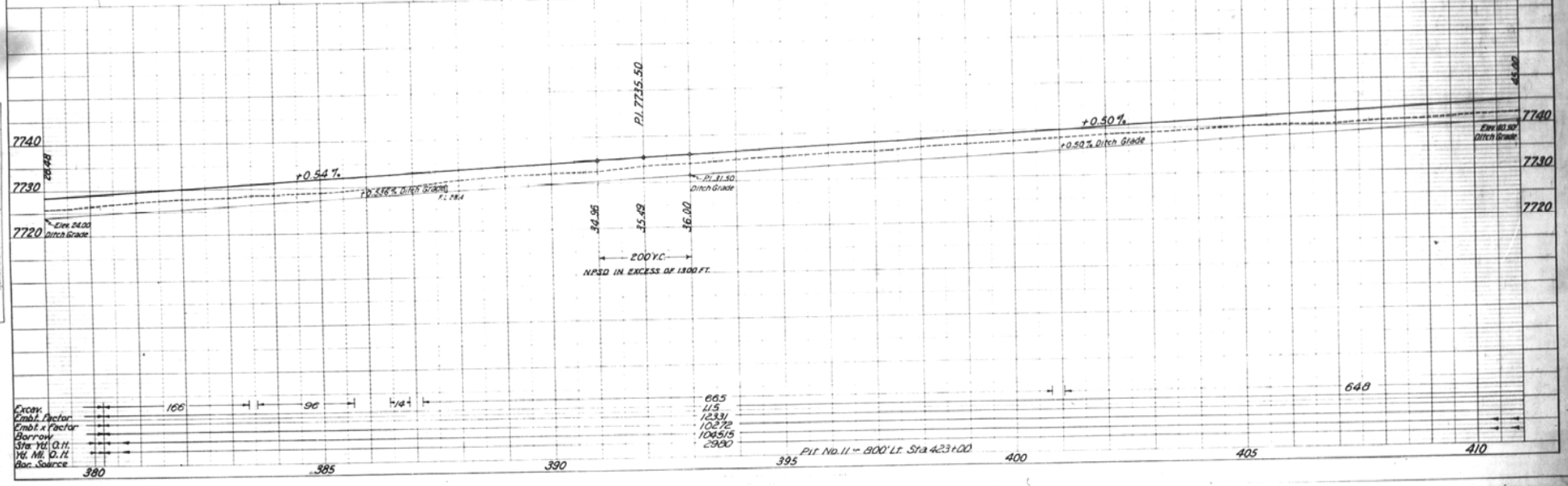
387+00, Reqd: 50 Cu. Yds. Embkt. for Road Appr. Rt. Remove 4-8"x29' Iron Pipes. Relay 15"x30' CMP Side Drain Rt. from Sta. 387+72.

387+72, Remove 15"x30' CMP Culvt. with 2 Headwalls. Relay CMP Rt. of Sta. 387+00.

387+72, Reqd: 24"x72' CMP Culvt. and 20 Cu. Yds. Excav. for Inlet.

393+72, Reqd: 40 Cu. Yds. Embkt. for Road Appr. Lt., 18"x30' CMP Side Drain. Remove 15"x20' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of Sta. 415+40.

400+91, Reqd: 25 Cu. Yds. Embkt. for Road Appr. Rt. Remove 15"x20' CMP Side Drain with 2 Headwalls. Relay CMP Rt. of Sta. 415+40. Relay 15"x34' CMP Side Drain Rt. from Rt. of Sta. 412+97.




PLAN — SURVEYED, PLOTTED, CHECKED, NOTE BOOK, NO.

PROFILE — SURVEYED, PLOTTED, CHECKED, NOTE BOOK, NO.

| FED. ROAD DIST. NO. | STATE | F.A. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-C(2) | 26 | |

PALOMA STREET

ROMERO CANAL R.O.W.

Telegraph Line

D & R.G.W. RAILROAD (3-RAILS)

M.P. 274

RAILROAD R.O.W.

POT 423+25.1

POT 438+00.0

15"x30" CMP

Power Line

Present Road

Telephone Line

S 12°33' W

U.S.G.S. B.M. Pole #770

Pole #680

Mail Box

Shed

Milk Depot

Cottage Camp

412+97, Reqd: 135 Cu. Yds. Embkt. for Road Appr's. Rt. and Lt., 18"x50' CMP Side Drain Rt. Remove 15"x34' CMP Side Drain Rt. 2 Headwalls. Relay CMP Rt. of Sta. 400+91.

414+73, Reqd: 30 Cu. Yds. Embkt. Road Approach Rt. Remove 15"x30' CMP Side Drain with 2 Headwalls Rt. Relay CMP Rt.

415+40, Reqd: 45 Cu. Yds. Embkt. for Road Appr. Rt. Remove 6"x1'x42' Wood Box Culv't. Relay 15" CMP Side Drain Rt., 20' of pipe from Lt. of Sta. 393+72 and 20' of pipe from Rt. of Sta. 400+91.

426+51, Reqd: 24"x62' CMP Culv't. Remove 15"x30' CMP Culv't. with 2 Headwalls. Relay CMP Rt. of Sta. 440+63.

PLAN: SURVEYED, PLOTTED, TRACED, CHECKED, NOTE BOOK, BY, DATE

PROFILE: SURVEYED, PLOTTED, TRACED, CHECKED, NOTE BOOK, BY, DATE, SURVEYED, PLOTTED, TRACED, CHECKED, NOTE BOOK, NO.

7760 7750 7740

+0.50% +0.50% Ditch Grade

P.I. 42.50 Ditch Grade

P.I. 7747.00

46.50 46.98 47.44

200' V.C.

N.P.S.D. IN EXCESS OF 1300 FT.

+0.438% +0.44% Ditch Grade

P.I. 50.50

50.07 50.45 50.75

P.I. 46.02 Ditch Grade

+0.24% Ditch Grade

Elev. 46.34 Ditch Grade

P.I. 46.8

+0.25%

Elev. 47.18 Ditch Grade

+0.54% Ditch Grade

52.00 52.38 53.00

P.I. 52.25

P.I. 48.20 Ditch Grade

+0.76% Ditch Grade

+0.75%

P.I. 57.50

56.75 57.44 58.00

P.I. 53.52 Ditch Grade

+0.50% +0.50% Ditch Grade

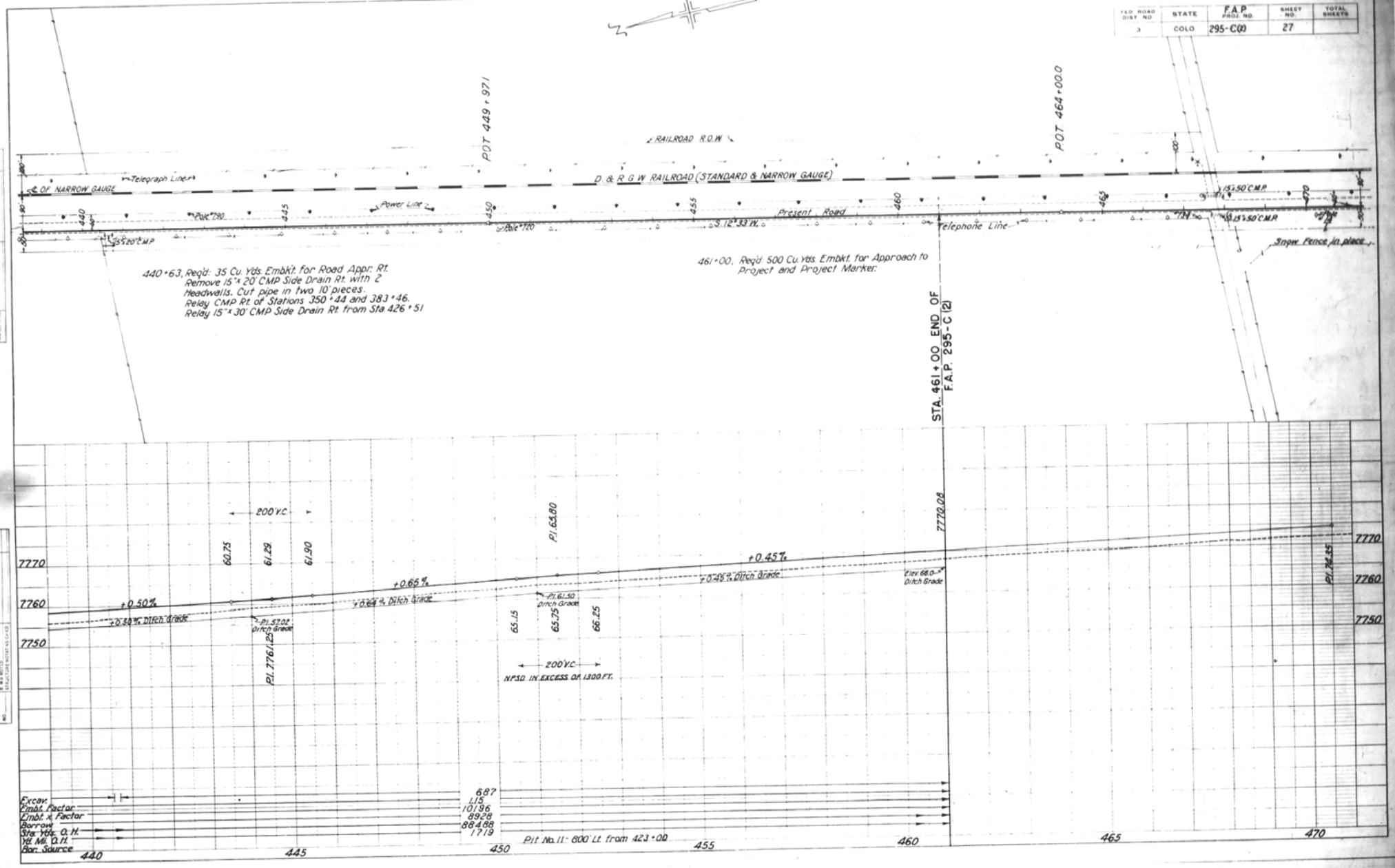
Excav.
Embt. Factor
Embt. x Factor
Borrow
Sta. Yds. O.H.
Yd. Mi. O.H.
Borrow Source

79 16 115 377 163 115 418

Pit No. 11 ~ 800' Lt. Sta. 423+00

410 415 420 425 430 435 440

| FED. ROAD DIST. NO. | STATE | F.A.P. PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-C(2) | 27 | |




PLAN
SURVEYED:
PLOTTED:
NOTE BOOK ALIGNMENT CHECKED:
NO. ST. OF MBS CHECKED:
NO.
BY
DATE

PROFILE
SURVEYED:
PLOTTED:
NOTE BOOK PROFILE CHECKED:
NO. IN MBS NOTED:
STRUCTURE NOTE AS CHKD.
BY
DATE

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|
| 3 | COLO. | 295-B(2) | 3-A | |

# LIST OF STRUCTURES

| Station | Description | Remove Structures No. | Remove Advertising Signs No. | Remove & Reset Mail Boxes No. | Excavation Cu. Yds. Uncl. | Excavation Cu. Yds. Embk. | Structural Excavation Cu. Yds. | Structural Excavation Cu. Yds. | Structural Excavation Cu. Yds. | Structural Excavation Cu. Yds. | Surfacing Ton | Miscel. Untreated Timber Mf'bm | Concrete Cu. Yd. Cl "A" | Concrete Cu. Yd. Cl "B" | Reinf. Steel Lb. | Corrugated Metal Culvert Pipe Lin. Ft. 15" | 18" | 24" | 30" | 36" | | 6" Sub-drain Pipe Lin. Ft. | Relaying Pipe Lin. Ft. | Grouted Rubble Slope Paving Sq. Yd. | Manholes Each | Adjust Manhole Rim & Cover Each | Catch Basin Each | U.S.G.S. Benchmark Posts Each | 15" C.M.P. Culvert Bars No. | | Remove Hdwls. No. | Miscellaneous |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TOTALS BROUGHT FORWARD — | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Rem. & Reset Headgate From Sta. 194+75 |
| 168+93 | Remove & Reset Headgate, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | | | | | Relay at Sta. 100+80 |
| 173+48 | Rd. Appr. Rt. Relay 15" C.M.P. Side Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Remove & Reset Wd. Box |
| | Remove 15"x20' C.M.P. | | | | | | | | | | | | | | | | | | | | | | 30 | | | | | | | | | | From Sta. 195+23 |
| | Remove & Reset Wd. Box in Irrig. Ditch, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 187+10 | Rd. Appr. Rt. Relay 15" C.M.P. Side Drain | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 189+00 | Road Approach, Lt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 189+40 | Road Approach, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 190+70 | Road Approach, Lt. | | | | | | | | | | 100 | | | | | | | | | | | | | | | | | | | | | | |
| 191± to 193± | Rd. Appr. Rt. for buildings moved | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 189+65 | Remove House, Rt. (FORCE ACCOUNT) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 193+40 | Remove Store & Gas Pumps, Rt. " | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | Relay at Sta. 173+48 |
| 193+87 | Remove Garage, Rt. " | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 192+64 | Remove Sign, Rt. | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | | | |
| 194+75 | Rd. Appr. Lt. Remove 15"x30' C.M.P. Sd. Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20' from Sta. 224+39 |
| 194+58 | Pipe Artesian Well off R.O.W. (FORCE ACCOUNT) | 1 | | | | | | | | | 20 | | | | | | | | | | | | 40' | | | | | | 1 | | | | 20' " " 255+52 |
| 194+92 | Rd. Appr. Rt. Remove Wd. Box | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | 2 | 2-Hdwls. |
| | Relay 15" C.M.P. Side Drain in Irrig. Ditch | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | | | |
| 195+09 | Extend One C.M.P. X-Dr. 10' Lt. & 24' Rt. | | | 3 | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | |
| | Remove & Reset Mail Boxes, Rt. | | | | | | | | | | | | | | | | | | | 24 | | | | | | | | | | | | | |
| 185+10 | Timber Headgate, Rt. Remove Headgate | 1 | | | | | | | | | | | | | | | 58 | | | | | | | | | | | | | | 2 | 2-Hdwls. |
| 195+12 | C.M.P. Cross Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Relay at Sta. 187+10 |
| 195+23 | Remove 15"x30' C.M.P. Cross Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| | Ditch Change, Rt. | | | | | | | | | | | | | | | | | | | | | | 50 | | | | | | | | | | From Sta. 306+23 |
| 195+25–224+30 | Relay 15" C.M.P. Sd. Dr. Rt. Remove 15"x50' C.M.P. | | | | | | | | | | 20 | | | | | | | | | | | | 22 | | | | | | | | 2 | | Relay at Sta. 88+80 |
| 210+95 | Relay 18" C.M.P. Side Drain in Irrig. Ditch, Rt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | " |
| 211+10 | Remove 18"x12' C.M.P. (Junk). Rem. 15"x20' C.M.P. Lt. | 1 | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | " Sta. 194+92 |
| | Rd. Appr. Lt. | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | | | | | |
| 224+39 | Rd. Appr. Rt., Remove 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | Relay at Sta. 238+68 |
| | Rd. Appr. Lt. Rem. 15"x30' C.M.P., Relay 15" C.M.P. on Rt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 224+60–238+60 | Ditch Change, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | 10' from Sta. 252+62 |
| 238+59 | Rd. Appr. Lt. Remove 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | 1 | | | | 20' from Sta. 238+59 |
| 238+68 | Rd. Appr. Rt. Remove Wd. Box | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cut into 2-10' lengths |
| | Relay 15" C.M.P. Side Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Relay 10' at Sta. 238+68 |
| 239+00–252+60 | Ditch Change, Rt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | " 10' at Sta. 279+50 |
| 252+49 | Conc. Post for U.S.G.S. Bench Mark | | | | | | | | | | 10 | | | | | | | | | | | | 50 | | | | | | | | | | |
| 252+62 | Rd. Appr. Lt. Rem. 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | 2 | | Relay at Sta. 194+92 |
| 252+89 | Rd. Appr. Rt. Relay 15" C.M.P. Sd. Dr. Remove 15"x50' C.M.P. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 255+42 | Remove & Reset Mail Box, Lt. | | | 1 | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 255+52 | Rd. Appr. Lt., Remove 15"x20' C.M.P. Sd. Dr. | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | Relay at Sta. 279+50 |
| 279+30 | Remove & Reset Mail Box, Lt. | | | | | | | | | | 20 | | | | | | | | | | | | | | | | | | | | | | Relay at Sta. 290+00 |
| 279+50 | Rd. Appr. Rt. & Lt. Rem. 15"x20' C.M.P. Sd. Dr. Rt. | | | | | | | | | | | | | | | | | | | | | | 30' | | | | | | 1 | | | | 20' from Sta. 279+50 |
| | Remove 15"x30' C.M.P. Sd. Dr. Lt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10' from Sta. 252+62 |
| | Relay 15" C.M.P. Sd. Dr. Rt. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | Cut into 2-10' lengths |
| 280+60–288+85 | Ditch Change, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | | | | | Relay at Sta. 307+45 & 348+57 |
| 290+00 | Rd. Appr. Rt. Rem. 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | From Sta. 279+50 |
| | Relay 15" C.M.P. Side Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Relay Sta. 306+23 |
| 290+50–306+20 | Ditch Change, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | |
| 290+23 | Rd. Appr. Lt. Rem. 15"x30' C.M.P. Sd. Dr. | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 306+05 | Remove & Reset Mail Box, Lt. | 1 | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | Relay Sta. 211+10 |
| 306+17 | Rd. Appr. Lt. Remove Wd. Box | | | | | | | | | | 20 | | | | | | | | | | | | 30 | | | | | | | | 2 | | From Sta. 290+23 |
| 306+23 | Rd. Appr. Rt. Rem. 18"x22' C.M.P. Sd. Dr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | Relay Sta. 320+00 |
| | Relay 15" C.M.P. Sd. Dr. Rt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | " " 307+45 |
| 307+20 | Rd. Appr. Lt. Rem. 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | 1 | | | | 10' from Sta. 290+00 |
| 307+45 | Rd. Appr. Rt. Rem. 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Cut into 2-10' lengths |
| 308+25 & 319+44 | Relay 15" C.M.P. Side Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | Relay at Sta. 320+00 & 348+57 |
| | Protect U.S.C.&G. Survey Points | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10' from Sta. 320+00 |
| 318+30 | Protect U.S.G.S. Bench Mark | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | 1 | | | | 20' " " 307+20 |
| 320+00 | Rt. Appr. Rt. Rem. 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Relay 15" C.M.P. Side Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | Relay Sta. 350+44 |
| 330+00–349+71.9 | Ditch Change, Rt. | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | | Relay Sta. 348+57 |
| 334+18 | Rd. Appr. Lt. Rem. 15"x30' C.M.P. Sd. Dr. | | | | | | | | | | 10 | | | | | | | | | | | | 30 | | | | | | 1 | | | | 10' from Sta. 290+00 |
| 348+57 | Rd. Appr. Rt. Rem. 15"x20' C.M.P. Sd. Dr. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Relay 15" C.M.P. Side Drain | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 467 | | | | | | | | | | |

FAP 295-B(1)

Pipe Available for Re-use

To Be Placed

FAP 295-B(2)

To Be Placed

FAP 295-C(2)

Pipe Available Pipe

349+71.9 Bk } BEGIN C. Sec.
350+00 Ah

628+69.5 } End C. Sec.
629+00 } Begin D. Sec.

| Sta. | Required | Lin. Ft. to be Relayed 15" | 18" | 24" | From Sta. | Conn Bands |
|---|---|---|---|---|---|---|
| 56+60 | Side Dr. Rt | 30 | | | 114+10 | |
| 140+80<br>140+18 | Irrig. Ditch Rt & drain<br>Side Dr. Rt | 30<br>20 | | 3-1-36" | 141+15<br>140+75<br>211+10 | 1-36" |
| 141+19 | Side Dr. Rt | 50 | | | [illegible] | 1-15" |
| 149+62 | Side Dr. Rt | 30 | | | [illegible] | 1-15" |
| 149+62 | Irrig. Ditch Rt | 30 | | | [illegible] | 1-15" |
| 162+93 | Side Dr. Rt | 50 | | | [illegible] | 1-15" |
| 168+53 | Irrig. Ditch Rt | 40 | | | [illegible] | 1-15" |
| 173+48 | Side dr. Rt | 30 | | | 168+15 | |
| 187+10 | Side dr. Rt | 30 | | | 194+75 | |
| 210+95 | Side dr. Rt | 50 | | | 210+95 | |
| 211+10 | Irrig. Ditch Rt | | 22 | | 306+23 | |
| 224+39 | Side dr. Rt | 30 | | | 224+59 | |
| 231+68 | Side dr. Rt | 30 | | | 195+23 | |
| 262+89 | Side dr. Rt | 50 | | | 262+87 | |
| 277+50 | Side dr. Rt | 30 | | | 277+50 | |
| 290+00 | Side dr. Rt | 30 | | | 290+23 | |
| 306+23 | Side dr. Rt | 30 | | | [illegible] | 1-15" |
| 307+85 | Side dr. Rt | 30 | | | [illegible] | 1-15" |
| 320+00 | Side dr. Rt | 30 | | | 334+18 | |
| 348+57 | Irrig. Ditch Rt | 30 | | | 348+57 | |
| 348+57 | Side dr. Rt | 30 | | | 349+04 | |
| Total For FAP 295-B(2) | | 700 | 22 | 3-1/24" | | 7-15"<br>1-24" |

Right of Way Markers FAP 295-B(2) (con)

| Sta | Lt. | Rt. |
|---|---|---|
| 50+72 | 1 | 1 |
| 32+65 | 1 | 1 |
| 59+77 | 1 | 1 |
| 61+60 | | 1 |
| 66+10 | 1 | |
| 87+05 | 1 | 1 |
| 114+16 | 1 | 1 |
| 141+75 | 1 | 1 |
| 149+[illegible] | 1 | 1 |
| 194+87 | 1 | 1 |
| 199+80 | 1 | |
| 224+76 | 1 | 1 |
| 232+85 | 1 | 1 |
| 279+54 | 1 | 1 |
| 306+24 | 1 | 1 |
| 321+45 | | 1 |
| 324+38 | 1 | |
| 332+52 | 1 | 1 |
| 349+71.9 | 1 | 1 |
| TOTAL | 19 | 16 |

Right of Way Markers F.A.P. 295-C(2)

| Sta | Lt. | Rt. |
|---|---|---|
| 359+40 | 1 | 1 |
| 386+07 | 1 | 1 |
| 403+96.70 | 1 | 1 |
| 436+18 | | 1 |
| 439+95 | 1 | |
| 440+48 | 1 | 1 |
| 467+86 | 2 | 1 |
| [illegible] | 1 | 1 |
| [illegible] | 1 | 1 |
| 550+10.5 | 1 | 1 |
| 572+60 | | 1 |
| 577+00 | 1 | |
| 577+61 | 1 | 1 |
| 604+73 | 1 | 1 |
| 628+67.5 | 1 | 1 |
| TOTAL | 13 | 13 |

461+00 L+R End Proj.
Total C section = 6 Lt. 6 Rt

Listed on [illegible] detail sheet 10/5/40

TABULATION OF C.M. Ps to be RELAYED — Continued from Sheet(s)

| Station | Required | Lin. Ft. to be Relayed 15" | 18" | 24" | 36" | From Station | Conn. Band Required | Headwalls to be Repaired |
|---|---|---|---|---|---|---|---|---|
| 350+44 | Side dr. Rt | 30' | | | | Lt 350+44 – Rt 440+63 | 1-15" | 3 |
| 350+44 | Irrig. ditch Rt | | | 12 | | Irrig. ditch Lt 350+44 | | |
| 358+79 | — | — | — | — | — | — | 2-18" | 1 |
| 358+96 | Side dr. Rt | | 70' | | | Rt 358+96 | | 2 |
| 383+46 | Side dr. Rt | 30' | | | | Lt 383+46 – Rt 440+63 | 1-15" | 3 |
| 386+03 | Side dr. Rt | 84' | | | | Rt 386+03 | | 2 |
| 387+00 | Side dr. Rt | 30 | | | | X-drain 387+78 | | 2 |
| 400+91 | Side dr. Rt | 34 | | | | Rt 412+97 | | 2 |
| 412+97 | Side dr. Rt | 50 | | | | Lt 467+75 | | 2 |
| 414+73 | Side dr. Rt | 30 | | | | Rt 414+73 | | 2 |
| 415+40 | Side dr. Rt | 40 | | | | Lt 373+72 – Rt 400+91 | 1-15" | 4 |
| 440+63 | Side dr. Rt | 30' | | | | X-drain 426+51 | | 2 |
| 467+91 | Side dr. Rt | 50' | | | | Rt 467+91 | | 2 |
| 523+06 | Side dr. Rt | 72 | | | | Rt 523+06 | | 2 |
| 536+72 | Side dr. Rt | 44 | | | | Rt 536+72 | | 2 |
| 577+60 | Side dr. Rt | 40 | | | | Rt 604+17 – Rt 606+38 | 1-15" | 4 |
| 606+38 | Side dr. Rt | | 32' | | | X-drain 592+21 | | 2 |
| 614+94 | — | — | — | — | — | — | 4-18" | 2 |
| 617+77 | Side dr. Rt | 30' | | | | X-drain 578+20 | | 2 |
| Total for FAP 295-C-(2) | | 534 | 102 | 12 | | | 4-15"<br>6-18" | 41 |
| Total FAP 295 B(2) | | 700 | 22 | | 30 | | 7-15" | 56 |
| Total FAP 295-C-(2) | | 806 | 70 | | 12 | | 3-15" 2-18" | 23 |
| Combined Total | | 1608 | 92 | | 42 | | (1-36") | 53 |

inked on Sheet No. 3
10/1/40 HRH

# TABULATION OF CMP PIPES TO BE RELAYED

| STA. | REQUIRED | LIN FT TO BE RELAYED 15" | 18" | 24" | 36" | FROM STATION | LINEAR FEET REQUIRED | ANGLES TO BE REMOVED |
|---|---|---|---|---|---|---|---|---|
| 82+60 | Side dr Rt | 30 | | | | LT.&P. 84+10 | - | |
| 100+10 | Prop side dr | 30 | | | | LT-140+15 | - | 2 - |
| 140+73 | X-drain | | | | 80 | X-drain 140+73 | - 1-36" | 2 - |
| 140+95 | Side dr Rt | 20 | | | | LT-200+10 | - | 2 - |
| 161+19 | Side dr Lt | 30 | | | | Rt-161+19 & Rt-175+40 | 1-15" | 2 - |
| 167+62 | Side dr Rt | 30 | | | | LT-200+50-RT-177+80 | 1-18" | 3 - |
| 168+62 | Prop side dr | 30 | | | | RT-200+40 - RT-220+60 | 1-18" | 3 - |
| 169+28 | Side dr Rt | 30 | | | | RT-220+60 - RT 221+60 | 1-18" | 4 - |
| ~~169+29~~ | ~~Prop side dr~~ | ~~30~~ | | | | ~~LT-200+50 - LT 220+60~~ | ~~-~~ | ~~-~~ |
| 173+83 | Side dr Rt | 30 | | | | LT-185+15 | | - - |
| 187+10 | Side dr Lt | 30 | | | | LT-194+75 | | 2 - |
| 198+88 | Spring | — | - | - | — | | 4-30" | 2 - |
| 210+95 | Side dr Rt | 30 | | | | RT 210+95 | | 2 - |
| 221+10 | Prop side dr | | 22 | | | RT 304+95 | | - |
| 224+89 | Side dr Lt | 30 | | | | LT 224+89 | | |
| 228+48 | Side dr Rt | 30 | | | | X-drain 178+93 | | 2 - |
| 237+27 | Side dr Rt | 30 | | | | RT-230+27 | | 2 - |
| 239+80 | Side dr Rt | 30 | | | | LT 239+80 | | |
| 270+60 | Side dr Rt | 30 | | | | LT 270+60 | | |
| 304+28 | Side dr Rt | 30 | | | | LT-307+50 - RT 300+00 | 1-18" | 3 - |
| 307+28 | Side dr Rt | 30 | | | | RT-307+60 - RT 320+00 | 1-18" | 3 - |
| 320+00 | Side dr Rt | 30 | | | | LT-324+18 - | | |
| 328+07 | Prop side dr | 30 | | | | ~~RT-328+07~~ | | 2 - |
| 348+07 | Side dr Rt | 30 | | | | LT 347+04 | | |
| Total for CAP 235-8(1) | | 660 | 22 | - | 80 | | 6<br>1-18"<br>4-30"<br>1-36" | 36 |

Inked on Sheet No. 3
10/11/40 - H.R.H.
Rev 11/20/40 HRH

Excavation

.26
6.00
.11
3.49
6.01
4.52
4.49
7.06
.4
.27
6.69
.83
1.70
2.04
1.27
.37
4.20
.24
1.34
1.67
.10
4.88
6.60
2.45
9.01
4.03
2.03
1.31
3.47
.63
7.22
3.80
6.02
.41
3.64
.12
7.35
1.66
1.65-
.12-
3.64-
7.35-
109.12 *

Emb. & Exc.

23,986.00
6,329.00
14,027.00
6,079.00
1,578.00
6,093.00
359.00
4,464.00
2,260.00
9,445.00
1,976.00
1,970.00
11,385.00
11,037.00
1,000.00
11,011.00
7,176.00
122,175.00 *

Borrow

23,000.00
5,728.00
13,087.00
2,371.00
1,549.00
7,224.00
276.00
4,000.00
2,076.00
9,001.00
1,842.00
1,803.00
9,973.00
9,531.00
869.00
9,490.00
6,443.00
111,263.00 *

Sta. Yds. OH.

253,000.00
55,461.00
135,160.00
59,081.00
17,039.00
79,464.00
3,036.00
44,000.00
22,836.00
87,885.00
11,973.00
10,818.00
99,871.00
85,363.00
869.00
59,286.00
55,688.00
1,108,930.00 *
621
1784

Yd. Mi. OH

13,082.00
188.00
2,669.00
1,913.00
349.00
1,491.00
4.00
1,172.00
708.00
836.00
1,814.00
1,337.00
1,406.00
241.00
27,259.00 *

Frt.

3.64
7.35
1.66
.86
.14
6.65
6.48
.79
.14
3.77
1.63
4.18
6.87
44.26 *
4438

Emb. & Exc.

94.28
123.31
101.96
319.55 *

Borrow

83.17
102.72
89.28
275.17 *

8.69
922.86
536.89
914.87
1,045.15
3,398.45 *

Sta. Yd.

914.87
1,045.15
884.88
2,844.90 *

Yd. Mi.

40.45
29.80
17.19
87.44 *

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT NO. ____ SHEET NO. 1 OF 4 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

TOTALS 933 6737 7745

SURVEY BY: ____ DATE: ____ NOTE BOOK NOS. ____ REMARKS: ____
GRADES BY: ____ DATE: ____ CHK. BY: ____ DATE: ____ QUANTITIES BY: ____ DATE: ____ CHK. BY: ____
AREAS BY: ____ DATE: ____ CHK. BY: ____ DATE: ____ MASS DIAG. BY: ____ DATE: ____ CHK. BY: ____
REVISED BY: ____ DATE: ____ CHK. BY: ____ DATE: ____ REVISED BY: ____ DATE: ____ CHK. BY: ____

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT NO. ____ SHEET NO. 2 OF 4 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

TOTALS 1057 6683 7671

SURVEY BY: ____ DATE: ____ NOTE BOOK NOS. ____ REMARKS: ____
GRADES BY: ____ DATE: ____ CHK. BY: ____ DATE: ____ QUANTITIES BY: ____ DATE: ____ CHK. BY: ____
AREAS BY: ____ DATE: ____ CHK. BY: ____ DATE: ____ MASS DIAG. BY: ____ DATE: ____ CHK. BY: ____
REVISED BY: ____ DATE: ____ CHK. BY: ____ DATE: ____ REVISED BY: ____ DATE: ____ CHK. BY: ____

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295(C2)
SHEET NO. 2 OF 4 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

| Location of Section | Grade Bal. | Haul Bal. | Haul Dist. | Cor. Line Cut | Cor. Line Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Totals Bal. | Overhaul Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Totals Bal. Fill | Embankment Totals Balance Yds. | Alignment Rem | Rem Grades Grades | Balance Line Cuts | Balance Cu. Yds. | Balance Cu. Yds. | Balance Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | +124718 | | | | |
| 2+39 | | | | | | | 62 | | | | 111 | 125 | 124718 | | | | | | |
| 2+81 | | | | | | | | | | | 5 | 6 | 124786 | | | | | | |
| 3+00 | | | | | | | | | | | 49 | 55 | 124835 | | | | | | |
| 3+50 | | | | | | | | | | | 4 | 5 | 124844 | | | | | | |
| 4+00 | | | | | | | 32 | | | | 132 | 148 | 124914 | | | | | | |
| 4+50 | | | | | | | 37 | | | | 243 | 164 | 124991 | | | | | | |
| 5+00 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | 231 | | | | 429 | 470 | | | | | | | |
| 5+50 | | | | | | | | | | | 162 | 177 | 125090 | | | | | | |
| 6+00 | | | | | | | 80 | | | | 150 | 173 | 125196 | | | | | | |
| 6+50 | | | | | | | 47 | | | | 198 | 224 | 125362 | | | | | | |
| 7+00 | | | | | | | 57 | | | | 123 | 141 | 125479 | | | | | | |
| 7+50 | | | | | | | 26 | | | | 146 | 168 | 125616 | | | | | | |
| 8+00 | | | | | | | 51 | | | | 121 | 139 | 125755 | | | | | | |
| 8+50 | | | | | | | 39 | | | | 286 | 335 | 125922 | | | | | | |
| | | | | | | | 270 | | | | 1026 | 1181 | | | | | | | |
| 9+00 | | | | | | | 35 | | | | 321 | 369 | 126286 | | | | | | |
| 9+50 | | | | | | | 31 | | | | 341 | 392 | 126641 | | | | | | |
| 10+00 | | | | | | | 38 | | | | 312 | 359 | 126941 | | | | | | |
| 10+50 | | | | | | | 104 | | | | 104 | 120 | 127045 | | | | | | |
| 11+00 | | | | | | | 14 | | | | 106 | 122 | 127165 | | | | | | |
| 11+50 | | | | | | | 23 | | | | 101 | 116 | 127281 | | | | | | |
| 12+00 | | | | | | | 37 | | | | | | | | | | | | |
| | | | | | | | 282 | | | | 1285 | 1478 | | | | | | | |
| 12+50 | | | | | | | 7 | | | | 91 | 104 | 127299 | | | | | | |
| 13+00 | | | | | | | 13 | | | | 115 | 132 | 127302 | | | | | | |
| 13+50 | | | | | | | 2 | | | | 94 | 108 | 127410 | | | | | | |
| 14+00 | | | | | | | | | | | 146 | 168 | 127463 | | | | | | |
| 14+50 | | | | | | | 1 | | | | 3 | 3 | 127465 | | | | | | |
| 15+00 | | | | | | | | | | | 2 | 3 | 127470 | | | | | | |
| | | | | | | | 23 | | | | 451 | 518 | | | | | | | |
| 15+50 | | | | | | | 4 | | | | 15 | 17 | +127491 | | | | | | |
| 16+00 | | | | | | | 23 | | | | 19 | 22 | +127469 | | | | | | |
| 16+50 | | | | | | | 23 | | | | 107 | 123 | 127592 | | | | | | |
| 17+00 | | | | | | | 34 | | | | 104 | 120 | 127712 | | | | | | |
| 17+50 | | | | | | | 4 | | | | 23 | 26 | +127738 | | | | | | |
| | | | | | | | 88 | | | | 268 | 308 | | | | | | | |
| 18+00 | | | | | | | 38 | | | | 41 | 47 | +127830 | | | | | | |
| 18+50 | | | | | | | 8 | | | | 9 | 9 | 127839 | | | | | | |
| 19+00 | | | | | | | 25 | | | | 39 | 45 | 127884 | | | | | | |
| 19+50 | | | | | | | 6 | | | | 23 | 26 | 127910 | | | | | | |
| 20+00 | | | | | | | 7 | | | | 11 | 13 | 127923 | | | | | | |
| 20+50 | | | | | | | | | | | 115 | 132 | +128056 | | | | | | |
| | | | | | | | 84 | | | | 238 | 274 | | | | | | | |
| 21+00 | | | | | | | 2 | | | | 9 | 10 | +128043 | | | | | | |
| 21+50 | | | | | | | 22 | | | | 94 | 108 | 128123 | | | | | | |
| 22+00 | | | | | | | 24 | | | | 204 | 235 | 128307 | | | | | | |
| 22+50 | | | | | | | 26 | | | | 99 | 113 | 128419 | | | | | | |
| 23+00 | | | | | | | 30 | | | | 104 | 120 | 128477 | | | | | | |
| 23+50 | | | | | | | 38 | | | | 212 | 244 | 128721 | | | | | | |
| 24+00 | | | | | | | 63 | | | | 243 | 279 | +128998 | | | | | | |
| | | | | | | | 205 | | | | 961 | 1109 | | | | | | | |
| 24+50 | | | | | | | 44 | | | | 329 | 378 | +129375 | | | | | | |
| 25+00 | | | | | | | 31 | | | | 318 | 365 | 129740 | | | | | | |
| 25+50 | | | | | | | 41 | | | | 271 | 312 | 129952 | | | | | | |
| 26+00 | | | | | | | 46 | | | | 246 | 284 | 130236 | 130236 | | | | | |
| 26+50 | | | | | | | 67 | | | | 262 | 301 | +130537 | | | | | | |
| | | | | | | | 233 | | | | 1426 | 1640 | | | | | | | |
| | | | | | | | 1241 | | | | 5751 | 6621 | | | | | | | |

SURVEY BY: DATE: NOTE BOOK NO.: RELEASED:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MAKE DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295(C2)
SHEET NO. 3 OF 4 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

| Location of Section | Grade Bal. | Haul Bal. | Haul Dist. | Cor. Line Cut | Cor. Line Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Totals Bal. | Overhaul Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Totals Bal. Fill | Embankment Totals Balance Yds. | Alignment Rem | Rem Grades Grades | Balance Line Cuts | Balance Cu. Yds. | Balance Cu. Yds. | Balance Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | +130092 | | | | | | |
| 4+00 | | | | | | | 37 | | | | 134 | 200 | +130292 | | | | | | |
| 4+50 | | | | | | | 23 | | | | 117 | 136 | 130428 | | | | | | |
| 5+00 | | | | | | | 37 | | | | 253 | 271 | 130699 | | | | | | |
| 5+50 | | | | | | | 5 | | | | 97 | 114 | 130813 | | | | | | |
| 6+00 | | | | | | | 0 | | | | 120 | 138 | 130951 | | | | | | |
| | | | | | | | 102 | | | | 721 | 859 | | | | | | | |
| 6+50 | | | | | | | 1 | | | | 183 | 210 | +131129 | | | | | | |
| 7+00 | | | | | | | 4 | | | | 177 | 204 | 131336 | | | | | | |
| 7+50 | | | | | | | 5 | | | | 244 | 281 | 131612 | | | | | | |
| 8+00 | | | | | | | 1 | | | | 127 | 148 | 131777 | | | | | | |
| 8+50 | | | | | | | 33 | | | | 279 | 320 | 132097 | | | | | | |
| 9+00 | | | | | | | 50 | | | | 232 | 267 | +132362 | | | | | | |
| | | | | | | | 94 | | | | 1242 | 1430 | | | | | | | |
| 9+50 | | | | | | | 18 | | | | 216 | 248 | +132610 | | | | | | |
| 10+00 | | | | | | | 30 | | | | 237 | 272 | 132882 | | | | | | |
| 10+50 | | | | | | | 12 | | | | 86 | 113 | 132995 | | | | | | |
| 11+00 | | | | | | | 30 | | | | 235 | 316 | 133311 | | | | | | |
| 11+50 | | | | | | | 30 | | | | 243 | 309 | 133620 | | | | | | |
| 12+00 | | | | | | | 26 | | | | 227 | 342 | +133962 | | | | | | |
| | | | | | | | 146 | | | | 1244 | 1600 | | | | | | | |
| 12+50 | | | | | | | 22 | | | | 284 | 327 | +134289 | | | | | | |
| 13+00 | | | | | | | 24 | | | | 242 | 307 | 134723 | | | | | | |
| 13+50 | | | | | | | 43 | | | | 279 | 321 | 134951 | | | | | | |
| 14+00 | | | | | | | 21 | | | | 242 | 304 | 135319 | | | | | | |
| 14+50 | | | | | | | 18 | | | | 114 | 131 | 135450 | | | | | | |
| 15+00 | | | | | | | 1 | | | | 1 | 1 | +135451 | | | | | | |
| | | | | | | | 129 | | | | 1162 | 1401 | | | | | | | |
| 15+50 | | | | | | | 1 | | | | 62 | 71 | +135511 | | | | | | |
| 16+00 | | | | | | | 1 | | | | 9 | 8 | 135518 | | | | | | |
| 16+50 | | | | | | | 35 | | | | 58 | 67 | 135576 | | | | | | |
| 17+00 | | | | | | | 41 | | | | 196 | 224 | 135765 | | | | | | |
| 17+50 | | | | | | | 43 | | | | 201 | 231 | 135996 | | | | | | |
| 18+00 | | | | | | | 43 | | | | 204 | 235 | +136231 | | | | | | |
| | | | | | | | 164 | | | | 730 | 836 | | | | | | | |
| 18+50 | | | | | | | 36 | | | | 191 | 220 | +136452 | | | | | | |
| 19+00 | | | | | | | 18 | | | | 97 | 114 | 136566 | | | | | | |
| 19+50 | | | | | | | 13 | | | | 94 | 109 | 136675 | | | | | | |
| 20+00 | | | | | | | 24 | | | | 204 | 235 | 136910 | | | | | | |
| 20+50 | | | | | | | 15 | | | | 191 | 220 | 137130 | | | | | | |
| 21+00 | | | | | | | 15 | | | | 106 | 124 | +137254 | | | | | | |
| | | | | | | | 121 | | | | 683 | 802 | | | | | | | |
| 21+50 | | | | | | | 20 | | | | 201 | 231 | +137485 | | | | | | |
| 22+00 | | | | | | | 20 | | | | 193 | 223 | 137708 | | | | | | |
| 22+50 | | | | | | | 18 | | | | 191 | 220 | 137928 | | | | | | |
| 23+00 | | | | | | | 24 | | | | 210 | 241 | 138169 | | | | | | |
| 23+50 | | | | | | | 32 | | | | 212 | 244 | 138413 | | | | | | |
| 24+00 | | | | | | | 39 | | | | 207 | 252 | +138665 | | | | | | |
| | | | | | | | 173 | | | | 1213 | 1411 | | | | | | | |
| 24+50 | | | | | | | 14 | | | | 180 | 207 | +138872 | | | | | | |
| 25+00 | | | | | | | 14 | | | | 149 | 171 | 139043 | | | | | | |
| 25+50 | | | | | | | 13 | | | | 184 | 212 | 139255 | | | | | | |
| 26+00 | | | | | | | 48 | | | | 202 | 232 | 139487 | | | | | | |
| 26+50 | | | | | | | 41 | | | | 202 | 232 | 139719 | | | | | | |
| 27+00 | | | | | | | 19 | | | | 91 | 102 | +139821 | | | | | | |
| | | | | | | | 230 | | | | 1008 | 1157 | | | | | | | |
| 27+100 | | | | | | | 25 | | | | 90 | 104 | +139925 | | | | | | |
| TOTALS | | | | | | | 1207 | | | | 8604 | 9895 | | | | | | | |

SURVEY BY: DATE: NOTE BOOK NO.: RELEASED:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MAKE DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

TOTALS FOR F.A.P. 295-(C2): 4438 27796 31,955

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295(C2)
SHEET NO. 1 OF 2 SHEETS

EARTHWORK SUMMARY

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

| Location of Section | Grade Bal. | Haul Bal. | Haul Dist. | Cor. Line Cut | Cor. Line Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Totals Bal. | Overhaul Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Totals Bal. Fill | Embankment Totals Balance Yds. | Alignment Rem | Rem Grades Grades | Balance Line Cuts | Balance Cu. Yds. | Balance Cu. Yds. | Balance Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | |
| 350+00 to 380+20 Borrow | | | | | | | | | | | | | | | | | | | |
| 380+20 to 423+00 Borrow | | | | | | | | | | | | | | | | | | | |
| 423+00 to 461+00 Borrow | | | | | | | | | | | | | | | | | | | |
| Project Total | | | | | | | 4438 | | | | 27796 | | 31,955 | | | | | | |
| Combined FAP 295-A(2) + FAP 295-C2 | | | | | | | 15,350 | | | | 104,130 | | | | | | | | |

SURVEY BY: DATE: NOTE BOOK NO.: RELEASED:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MAKE DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 1
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 2
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 3
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 4
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 5
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 6
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 232-A(2)
SHEET NO. 7
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 232-A(2)
SHEET NO. 8
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO.
SHEET NO.
OF 15

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO.

COLORADO STATE HIGHWAY DEPARTMENT

TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. [illegible]

SHEET NO. 10 OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT

TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. [illegible]

SHEET NO. 11 OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT

TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. [illegible]

SHEET NO. [illegible] OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. [illegible]

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 13
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. [illegible]
SHEET NO. 14
OF 15 SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, S

Form A. H. D. 127—1946—7-15

**COLORADO STATE HIGHWAY DEPARTMENT**

TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. 225-B(3) SHEET NO. 1 OF 2 SHEETS

EARTHWORK SUMMARY

PROJECT LOCATED BETWEEN La Junta AND Ashcroft IN Crowley COUNTY, STATE ROAD NO. 17

| Location of Bridge | Bridge Sta. | Bridge Elev. | Approach Elev. | Grade Line Cut | Grade Line Fill | Excavation Total Area | Excavation Total Cu. Yds. | Excavation Borrow | Unclass. Yds. | Embankment Total Area | Embankment Total Cu. Yds. | Embankment Fill | Balance Line (+Fill) | Alignment Note | Mass Diagram Ordinate | Balance Line Sta. Cu. Yds. | Haul Sta. Cu. Yds. | Haul Cu. Yds. | Haul Sta. Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Borrow Source | | 1365 | 2200 | 1500 |
| 204+72 to 213+51 Borrow | | | | | | | | | | | | | | P.T. No. 1 - 900' Lt from 206+00 | | | | | |
| 204+72 - 205+00 | | | | | | | 26 | | | | | | | | | | | | |
| 205+00 - 206+00 | | | | | | | 600 | | | | | | | | | | | | |
| 206+00 - 208+00 | | | | | | | 16 | | | | | | | | | | | | |
| 208+00 - 209+00 | | | | | | | 349 | | | | | | | | | | | | |
| 209+00 - 213+51 | | | | | | | | | | | 23226 | | | | | | | | |
| 213+51 to 219+00 Borrow | | | | | | | | | | | | | | P.T. No. 2 - 300' Lt from 217+00 | | 138 | 3500 | 3700 | |
| 213+51 to 217+00 | | | | | | | 601 | | | | 6329 | | | | | | | | |
| 219+00 to 222+00 Borrow | | | | | | | | | | | | | | P.T. No. 3 - 300' Rt from 219+00 | | 1365 | 3600 | 1965 | |
| 219+00 - 220+74 | | | | | | | 452 | | | | | | | | | | | | |
| 220+50 - 222+00 | | | | | | | 488 | | | | | | | | | | | | |
| 222+00 - 222+00 | | | | | | | | | | | 14063 | | | | | | | | |
| 222+00 to 241+20 Borrow | | | | | | | | | | | | | | P.T. No. 5 - 240' Rt from 241+20 | | 1913 | 3900 | 1871 | |
| 222+00 - 223+75 | | | | | | | 700 | | | | | | | | | | | | |
| 223+75 - 241+20 | | | | | | | 2 | | | | | | | | | | | | |
| 241+20 - 241+20 | | | | | | | | | | | 6079 | | | | | | | | |
| 241+20 - 245+60 Borrow | | | | | | | | | | | | | | P.T. No. 5 - 240' Rt from 241+20 | | 325 | 3900 | 3575 | |
| 241+20 - 243+00 | | | | | | | 2 | | | | | | | | | | | | |
| 243+00 - 245+60 | | | | | | | 27 | | | | | | | | | | | | |
| 245+60 - 245+60 | | | | | | | | | | | 1578 | | | | | | | | |
| 245+00 - 268+50 Borrow | | | | | | | | | | | | | | P.T. No. 6 - 1400' Rt from 268+50 | | 3501 | 7000 | 3499 | |
| 245+00 - 246+00 | | | | | | | 269 | | | | | | | | | | | | |
| 246+00 - 268+50 | | | | | | | | | | | 3023 | | | | | | | | |
| 268+50 to 269+27 Borrow | | | | | | | | | | | | | | P.T. No. 6 - 1400' Rt from 268+50 | | 9 | 3600 | | |
| 268+50 - 269+27 | | | | | | | 83 | | | | | | | | | | | | 276 |
| 268+50 - 269+27 | | | | | | | | | | | 857 | | | | | | | | |
| 269+27 to 283+00 Borrow | | | | | | | | | | | | | | P.T. No. 7 - 2600' Rt from Sta. 268+50 | | 1772 | 4600 | 4000 | |
| 269+27 - 273+00 | | | | | | | 170 | | | | | | | | | | | | |
| 273+00 - 283+00 | | | | | | | 299 | | | | | | | | | | | | |
| 269+27 - 283+00 | | | | | | | | | | | 2264 | | | | | | | | |
| 283+00 - 285+00 Borrow | | | | | | | | | | | | | | P.T. No. 7 - 2600' Rt from Sta. 283+00 | | 708 | 3800 | 3076 | |
| 283+00 - 283+00 | | | | | | | 127 | | | | | | | | | | | | |
| 283+00 - 285+00 | | | | | | | 27 | | | | | | | | | | | | |
| 285+00 - 285+00 | | | | | | | | | | | 2260 | | | | | | | | |
| 285+00 to 312+00 Borrow | | | | | | | | | | | | | | P.T. No. 8 - 850' Lt from 312+00 | | 324 | 3500 | 3176 | |
| 285+00 - 310+70 | | | | | | | 420 | | | | | | | | | | | | |
| 310+70 - 312+00 | | | | | | | 24 | | | | | | | | | | | | |
| 285+00 - 312+00 | | | | | | | | | | | 9445 | | | | | | | | |
| Grand Totals | | | | | | | 13087 | | | | 76620 | | | | | 22461 | 71696 | 39114 | |

Survey By: ____ Date: ____ Note Book No. ____ Remarks: ____
Grades By: ____ Date: ____ Chk. By: ____ Date: ____ Quantities By: ____ Date: ____ Chk. By: ____ Date: ____
Angles By: ____ Date: ____ Chk. By: ____ Date: ____ Mass Diag. By: ____ Date: ____ Chk. By: ____ Date: ____
Revised By: ____ Date: ____ Chk. By: ____ Date: ____ Revised By: ____ Date: ____ Chk. By: ____ Date: ____

Form A. H. D. 127—1946—7-15

**COLORADO STATE HIGHWAY DEPARTMENT**

TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. 225-B(3) SHEET NO. 2 OF 2 SHEETS

EARTHWORK SUMMARY

PROJECT LOCATED BETWEEN La Junta AND Ashcroft IN Crowley COUNTY, STATE ROAD NO. 17

| Location of Bridge | Bridge Sta. | Bridge Elev. | Approach Elev. | Grade Line Cut | Grade Line Fill | Excavation Total Area | Excavation Total Cu. Yds. | Excavation Borrow | Unclass. Yds. | Embankment Total Area | Embankment Total Cu. Yds. | Embankment Fill | Balance Line | Alignment Note | Mass Diagram Ordinate | Balance Line Sta. Cu. Yds. | Haul Sta. Cu. Yds. | Haul Cu. Yds. | Haul Sta. Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Station | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Borrow Source P.T. No. 8 - 850' Lt from 312+00 | | | 1700 | 1862 |
| 312+00 to 218+00 Borrow | | | | | | | | | | | | | | | | | | | |
| 312+00 - 218+00 | | | | | | | 184 | | | | 1776 | | | | | | | | |
| 218+00 to 224+00 Borrow | | | | | | | | | | | | | | P.T. No. 8 - 300' Lt from 224+00 | | | 1700 | 1903 | |
| 218+00 - 224+00 | | | | | | | 167 | | | | 1770 | | | | | | | | |
| 224+00 to 259+00 Borrow | | | | | | | | | | | | | | P.T. No. 8 - 300' Lt from 224+00 | | 1814 | 3900 | 1973 | |
| 224+00 - 227+50 | | | | | | | 10 | | | | | | | | | | | | |
| 227+50 - 228+00 | | | | | | | 438 | | | | | | | | | | | | |
| 228+00 - 229+75 | | | | | | | 609 | | | | | | | | | | | | |
| 229+75 - 257+00 | | | | | | | 245 | | | | | | | | | | | | |
| 257+00 - 259+00 | | | | | | | | | | | 1335 | | | | | | | | |
| 259+00 to 294+50 Borrow | | | | | | | | | | | | | | P.T. No. 9 - 400' Lt from 259+00 | | 1337 | 3500 | 2531 | |
| 259+00 - 272+37 | | | | | | | 781 | | | | | | | | | | | | |
| 272+60 - 275+25 | | | | | | | 408 | | | | | | | | | | | | |
| 275+25 - 277+50 | | | | | | | 202 | | | | | | | | | | | | |
| 277+50 - 294+50 | | | | | | | | | | | 1487 | | | | | | | | |
| 294+50 - 297+91 Borrow | | | | | | | | | | | | | | P.T. No. 9 - 400' Lt from 294+50 | | | 672 | 167 | |
| 294+50 - 297+91 | | | | | | | 131 | | | | 1600 | | | | | | | | |
| 297+91 to 331+00 Borrow | | | | | | | | | | | | | | P.T. No. 10 - 700' Lt from 331+00 | | 1406 | 3700 | 2000 | |
| 297+91 to 306+07 | | | | | | | 347 | | | | | | | | | | | | |
| 306+07 - 307+25 | | | | | | | 13 | | | | | | | | | | | | |
| 307+25 - 317+87 | | | | | | | 723 | | | | | | | | | | | | |
| 317+87 - 331+00 | | | | | | | 377 | | | | | | | | | | | | |
| 297+91 - 331+00 | | | | | | | | | | | 1811 | | | | | | | | |
| 331+00 to - 331+71.7 Rt - 350+00 Ah Borrow | | | | | | | | | | | | | | P.T. No. 10 - 700' Lt from 331+00 | | 901 | 3500 | 4495 | |
| 331+00 - 331+47 | | | | | | | 472 | | | | | | | | | | | | |
| 331+47 to 331+71.7 | | | | | | | 41 | | | | | | | | | | | | |
| 331+00 - 331+71.7 | | | | | | | | | | | 7176 | | | | | | | | |
| Sheet Total | | | | | | | 5604 | | | | 45655 | | | | | 8798 | 31,600 | 17,197 | |
| Project Total | | | | | | | 14,312 | | | | 122,175 | | | | | 27,259 | 104,600 | 56,311 | |

Survey By: ____ Date: ____ Note Book No. ____ Remarks: ____
Grades By: ____ Date: ____ Chk. By: ____ Date: ____ Quantities By: ____ Date: ____ Chk. By: ____ Date: ____
Angles By: ____ Date: ____ Chk. By: ____ Date: ____ Mass Diag. By: ____ Date: ____ Chk. By: ____ Date: ____
Revised By: ____ Date: ____ Chk. By: ____ Date: ____ Revised By: ____ Date: ____ Chk. By: ____ Date: ____

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT NO.
SHEET NO.
OF SHEETS

CT LOCATED BETWEEN AND IN COUNTY, STATE ROAD NO.

EXCAVATION
TOTALS
EMBANKMENT
TOTALS

F.A.P. 295-B (2)

Tabulation of

Grading Quantities

---

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-B(2
SHEET NO. 1
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

EXCAVATION
TOTALS
EMBANKMENT
TOTALS

TOTALS

SURVEY BY: DATE: NOTE BOOK NO. REMARKS:
GRADES BY: Johnson DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

---

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-B(2
SHEET NO. 2
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

EXCAVATION
TOTALS
EMBANKMENT
TOTALS

SURVEY BY: DATE: NOTE BOOK NO. REMARKS:
GRADES BY: Johnson DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 235-B(2)
SHEET NO. 3
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ordway IN Crowley COUNTY. STATE ROAD NO. 17

16 inch Ditch Book 16 57150

AS Below Profile Grade

MAY 1945
ENG. DIV.
S. H. D.

SURVEY BY: A.B. Holland DATE: 8-5 DNOTE BOOK NO.: 2
GRADER BY: A.B. Holland DATE: 7-30 CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:
REMARKS:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 235-B(2)
SHEET NO. 4
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ordway IN Crowley COUNTY. STATE ROAD NO. 17

AS Below Profile Grade

MAY 1945
ENG. DIV.
S. H. D.

SURVEY BY: A.B. Holland DATE: 8-5 DNOTE BOOK NO.: 2
GRADER BY: A.B. Holland DATE: 7-30 CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:
REMARKS:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

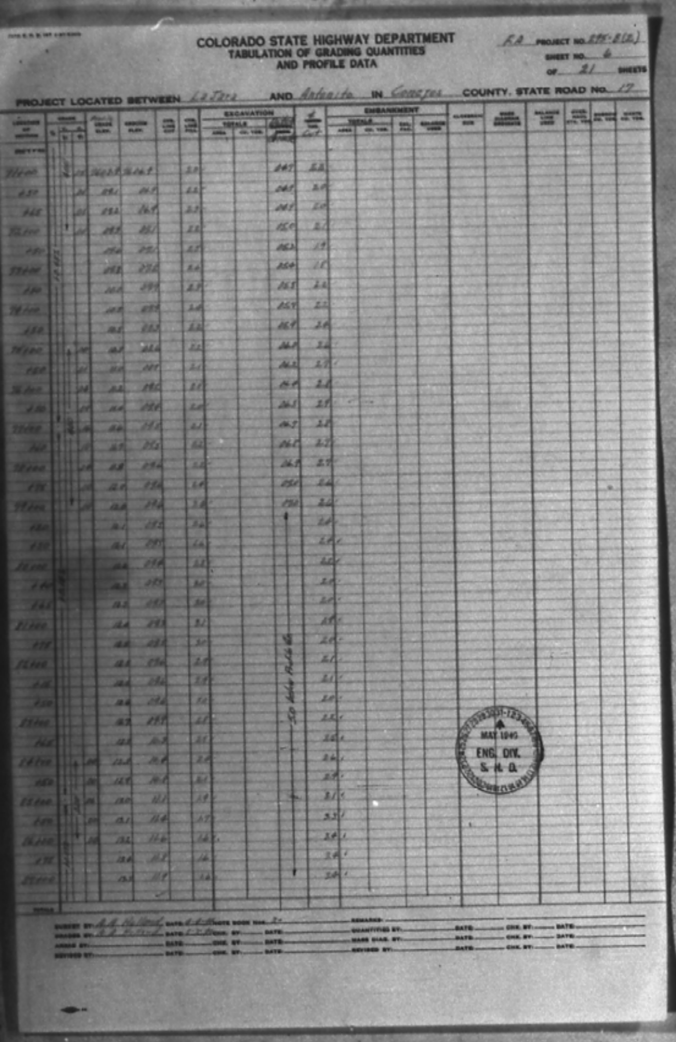
F.A. PROJECT NO.

PROJECT LOCATED BETWEEN La Junta AND Ordway IN Crowley COUNTY. STATE R

AS Below Profile Grade

MAY 1945
ENG. DIV.
S. H. D.

SURVEY BY: A.B. Holland DATE: 8-5 DNOTE BOOK NO.: 2
GRADER BY: A.B. Holland DATE: 8-5 CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:
REMARKS:



## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF GRADING QUANTITIES
### AND PROFILE DATA

F.A. PROJECT NO. 295-B(2)
SHEET NO. 6
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

EXCAVATION
TOTALS
AREA
CU. YDS.
EMBANKMENT
TOTALS
AREA
CU. YDS.

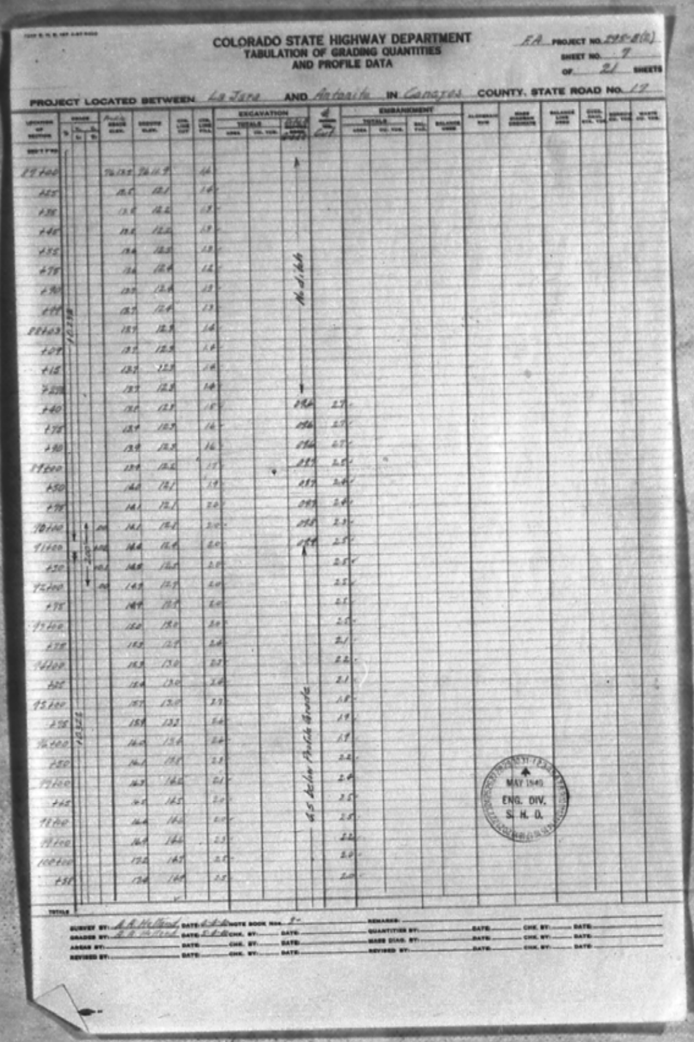
5.0 below Profile Grade

TOTALS

MAY 1949
ENG. DIV.
S. H. D.

SURVEY BY: DATE: NOTE BOOK NO. REMARKS:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

---



## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF GRADING QUANTITIES
### AND PROFILE DATA

F.A. PROJECT NO. 295-B(2)
SHEET NO. 7
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

EXCAVATION
TOTALS
AREA
CU. YDS.
EMBANKMENT
TOTALS
AREA
CU. YDS.

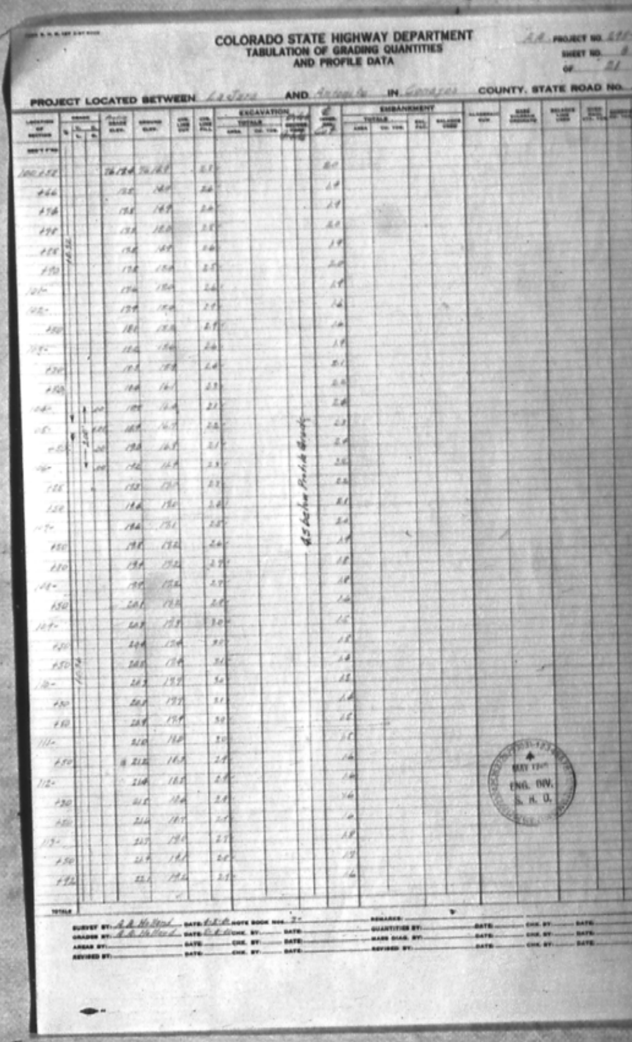
4.5 below Profile Grade

TOTALS

MAY 1949
ENG. DIV.
S. H. D.

SURVEY BY: A. A. Holland DATE: NOTE BOOK NO. 8 REMARKS:
GRADES BY: A. A. Holland DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

---



## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF GRADING QUANTITIES
### AND PROFILE DATA

F.A. PROJECT NO. 295
SHEET NO. 8
OF 21

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO.

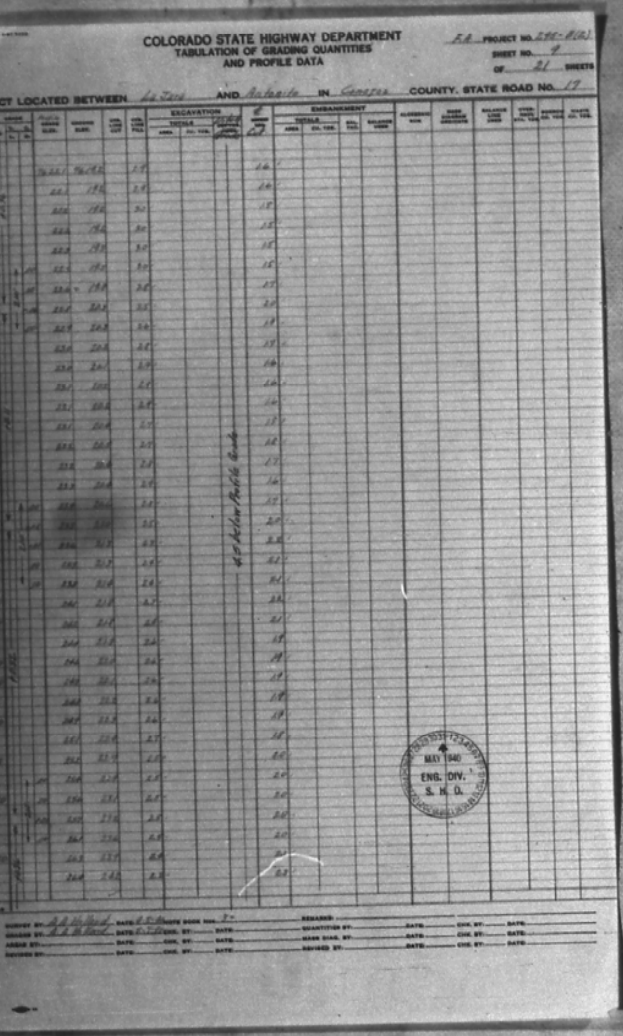
EXCAVATION
TOTALS
AREA
CU. YDS.
EMBANKMENT
TOTALS
AREA
CU. YDS.

4.5 below Profile Grade

TOTALS

MAY 1949
ENG. DIV.
S. H. D.

SURVEY BY: A. A. Holland DATE: NOTE BOOK NO. 8 REMARKS:
GRADES BY: A. A. Holland DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:



COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 298-B(2)
SHEET NO. 9
OF 21 SHEETS

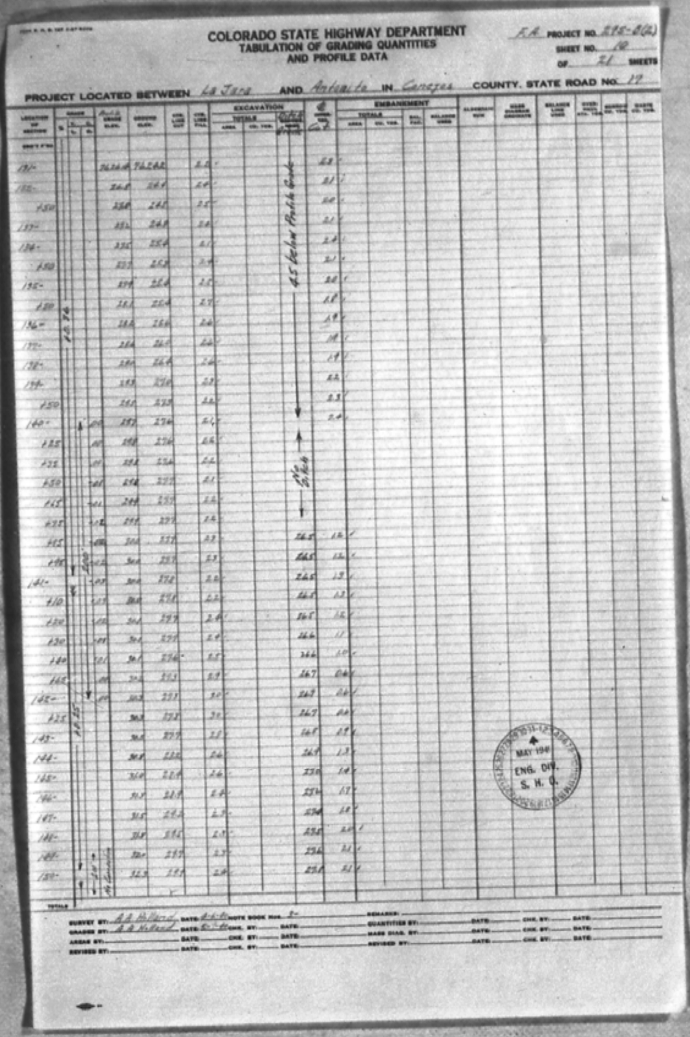
CT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

4.5 below Profile Grade

MAY 1940
ENG. DIV.
S. H. D.

SURVEY BY: A.A. Holland
GRADES BY: A.A. Holland

---



COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 298-B(2)
SHEET NO. 10
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

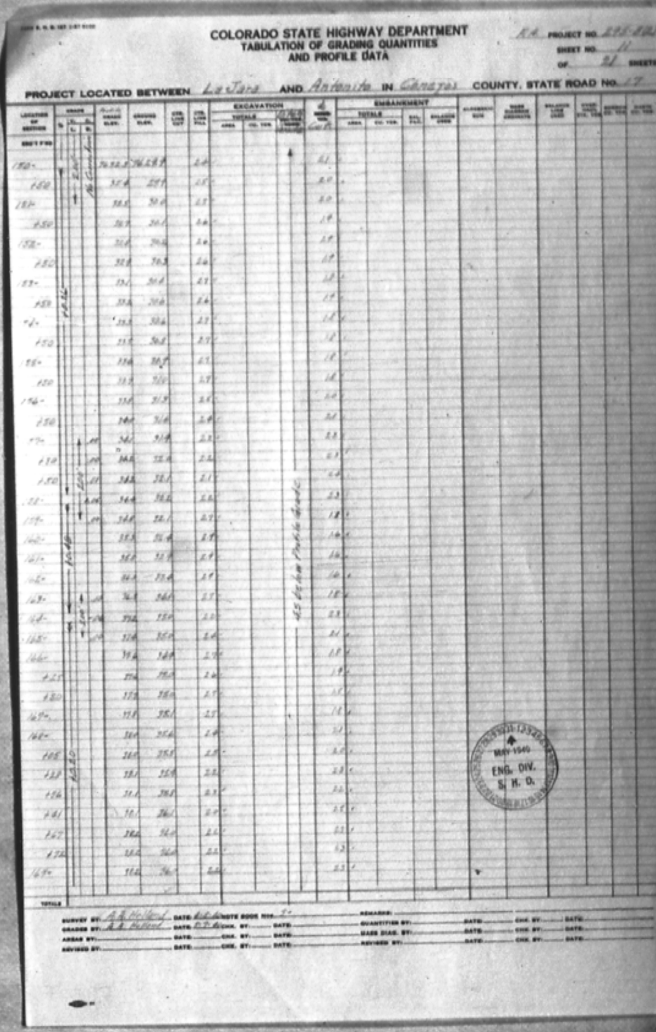
4.5 below Profile Grade

MAY 1940
ENG. DIV.
S. H. D.

TOTALS

SURVEY BY: A.A. Holland DATE: NOTE BOOK NOS. 8- REMARKS:
GRADES BY: A.A. Holland DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

---



COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 298-B(2
SHEET NO. 11
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

4.5 below Profile Grade

MAY 1940
ENG. DIV.
S. H. D.

TOTALS

SURVEY BY: A.A. Holland
GRADES BY: A.A. Holland

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-B(2)
SHEET NO. 12
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ankeny IN Crowley COUNTY, STATE ROAD NO. 17

| Location of Section | Grade % | Grade % | Grade % | Profile Grade Elev. | Ground Elev. | Cut Line Cut | Cut Line Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Bal. Fill | Excavation Balance Used | Alignment Sub | Base Course Aggregate | Balance Line Used | Yards Cu. Yds. | Revised Cu. Yds. | Grade Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 1 + 00 | | | | | | | | | | | | | | | | | |
| 1+00 | | | | 2462.2 | 2460.0 | | 2.2 | | | | | | | | | | 2.2 |
| 102 | | | | 463 | 461 | | 2.2 | | | | | | | | | | 2.2 |
| 104 | | | | 464 | 461 | | 2.2 | | | | | | | | | | 2.2 |
| 106 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 108 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 110 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 112 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 114 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 116 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 118 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 120 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 122 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 124 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 126 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 128 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 130 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 132 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 134 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 136 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 138 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 140 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 142 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 144 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 146 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 148 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 150 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 152 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 154 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 156 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 158 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 160 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 162 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 164 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 166 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 168 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 170 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 172 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 174 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 176 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 178 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 180 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 182 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 184 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 186 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 188 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 190 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 192 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 194 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 196 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 198 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 200 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 202 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 204 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 206 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 208 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 210 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 212 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 214 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 216 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 218 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 220 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 222 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 224 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 226 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 228 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 230 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 232 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 234 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 236 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 238 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |
| 240 | | | | 464 | 462 | | 2.2 | | | | | | | | | | 2.2 |

45 below Profile Grade

Survey By: R.R. Hilliard Date: 5-7-40 Note Book No. 2-A
Grades By: R.R. Hilliard Date: 5-8-40 Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-B(2)
SHEET NO. 13
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ankeny IN Crowley COUNTY, STATE ROAD NO. 17

| Location of Section | Grade % | Grade % | Grade % | Profile Grade Elev. | Ground Elev. | Cut Line Cut | Cut Line Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Bal. Fill | Excavation Balance Used | Alignment Sub | Base Course Aggregate | Balance Line Used | Yards Cu. Yds. | Revised Cu. Yds. | Grade Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 1 + 00 | | | | | | | | | | | | | | | | | |
| 1+00 | | | | 2462.2 | 2460.0 | | 2.2 | | | | | | | | | | |
| 102 | | | | 462 | 460 | | 2.2 | | | | | | | | | | |
| 104 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 106 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 108 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 110 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 112 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 114 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 116 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 118 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 120 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 122 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 124 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 126 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 128 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 130 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 132 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 134 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 136 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 138 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 140 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 142 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 144 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 146 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 148 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 150 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 152 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 154 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 156 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 158 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 160 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 162 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 164 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 166 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 168 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 170 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 172 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 174 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 176 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 178 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 180 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 182 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 184 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 186 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 188 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 190 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 192 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 194 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 196 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 198 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 200 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 202 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 204 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 206 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 208 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 210 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 212 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 214 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 216 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 218 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 220 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 222 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 224 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 226 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 228 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 230 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 232 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 234 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 236 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 238 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |
| 240 | | | | 462 | 459 | | 2.2 | | | | | | | | | | |

Totals

Survey By: R.R. Hilliard Date: 5-7-40 Note Book No. 2-A Remarks:
Grades By: R.R. Hilliard Date: 5-8-40 Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-B(2)
SHEET NO. 14
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ankeny IN Crowley COUNTY, STATE ROAD NO. 17

| Location of Section | Grade % | Grade % | Grade % | Profile Grade Elev. | Ground Elev. | Cut Line Cut | Cut Line Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Bal. Fill | Excavation Balance Used | Alignment Sub | Base Course Aggregate | Balance Line Used | Yards Cu. Yds. | Revised Cu. Yds. | Grade Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 1 + 00 | | | | | | | | | | | | | | | | | |
| 1+00 | | | | 2462.2 | 2460.0 | | 2.2 | | | | | | | | | | |
| 102 | | | | 460 | 457.8 | | 2.2 | | | | | | | | | | |
| 104 | | | | 458 | 455.8 | | 2.2 | | | | | | | | | | |
| 106 | | | | 457 | 454.8 | | 2.2 | | | | | | | | | | |
| 108 | | | | 455 | 452.8 | | 2.2 | | | | | | | | | | |
| 110 | | | | 454 | 451.8 | | 2.2 | | | | | | | | | | |
| 112 | | | | 453 | 450.8 | | 2.2 | | | | | | | | | | |
| 114 | | | | 452 | 449.8 | | 2.2 | | | | | | | | | | |
| 116 | | | | 451 | 448.8 | | 2.2 | | | | | | | | | | |
| 118 | | | | 450 | 447.8 | | 2.2 | | | | | | | | | | |
| 120 | | | | 449 | 446.8 | | 2.2 | | | | | | | | | | |
| 122 | | | | 448 | 445.8 | | 2.2 | | | | | | | | | | |
| 124 | | | | 447 | 444.8 | | 2.2 | | | | | | | | | | |
| 126 | | | | 446 | 443.8 | | 2.2 | | | | | | | | | | |
| 128 | | | | 445 | 442.8 | | 2.2 | | | | | | | | | | |
| 130 | | | | 444 | 441.8 | | 2.2 | | | | | | | | | | |
| 132 | | | | 443 | 440.8 | | 2.2 | | | | | | | | | | |
| 134 | | | | 442 | 439.8 | | 2.2 | | | | | | | | | | |
| 136 | | | | 441 | 438.8 | | 2.2 | | | | | | | | | | |
| 138 | | | | 440 | 437.8 | | 2.2 | | | | | | | | | | |
| 140 | | | | 439 | 436.8 | | 2.2 | | | | | | | | | | |
| 142 | | | | 438 | 435.8 | | 2.2 | | | | | | | | | | |
| 144 | | | | 437 | 434.8 | | 2.2 | | | | | | | | | | |
| 146 | | | | 436 | 433.8 | | 2.2 | | | | | | | | | | |
| 148 | | | | 435 | 432.8 | | 2.2 | | | | | | | | | | |
| 150 | | | | 434 | 431.8 | | 2.2 | | | | | | | | | | |
| 152 | | | | 433 | 430.8 | | 2.2 | | | | | | | | | | |
| 154 | | | | 432 | 429.8 | | 2.2 | | | | | | | | | | |
| 156 | | | | 431 | 428.8 | | 2.2 | | | | | | | | | | |
| 158 | | | | 430 | 427.8 | | 2.2 | | | | | | | | | | |
| 160 | | | | 429 | 426.8 | | 2.2 | | | | | | | | | | |
| 162 | | | | 428 | 425.8 | | 2.2 | | | | | | | | | | |
| 164 | | | | 427 | 424.8 | | 2.2 | | | | | | | | | | |
| 166 | | | | 426 | 423.8 | | 2.2 | | | | | | | | | | |
| 168 | | | | 425 | 422.8 | | 2.2 | | | | | | | | | | |
| 170 | | | | 424 | 421.8 | | 2.2 | | | | | | | | | | |
| 172 | | | | 423 | 420.8 | | 2.2 | | | | | | | | | | |
| 174 | | | | 422 | 419.8 | | 2.2 | | | | | | | | | | |
| 176 | | | | 421 | 418.8 | | 2.2 | | | | | | | | | | |
| 178 | | | | 420 | 417.8 | | 2.2 | | | | | | | | | | |
| 180 | | | | 419 | 416.8 | | 2.2 | | | | | | | | | | |
| 182 | | | | 418 | 415.8 | | 2.2 | | | | | | | | | | |
| 184 | | | | 417 | 414.8 | | 2.2 | | | | | | | | | | |
| 186 | | | | 416 | 413.8 | | 2.2 | | | | | | | | | | |
| 188 | | | | 415 | 412.8 | | 2.2 | | | | | | | | | | |
| 190 | | | | 414 | 411.8 | | 2.2 | | | | | | | | | | |
| 192 | | | | 413 | 410.8 | | 2.2 | | | | | | | | | | |
| 194 | | | | 412 | 409.8 | | 2.2 | | | | | | | | | | |
| 196 | | | | 411 | 408.8 | | 2.2 | | | | | | | | | | |
| 198 | | | | 410 | 407.8 | | 2.2 | | | | | | | | | | |
| 200 | | | | 409 | 406.8 | | 2.2 | | | | | | | | | | |
| 202 | | | | 408 | 405.8 | | 2.2 | | | | | | | | | | |
| 204 | | | | 407 | 404.8 | | 2.2 | | | | | | | | | | |
| 206 | | | | 406 | 403.8 | | 2.2 | | | | | | | | | | |
| 208 | | | | 405 | 402.8 | | 2.2 | | | | | | | | | | |
| 210 | | | | 404 | 401.8 | | 2.2 | | | | | | | | | | |
| 212 | | | | 403 | 400.8 | | 2.2 | | | | | | | | | | |
| 214 | | | | 402 | 399.8 | | 2.2 | | | | | | | | | | |
| 216 | | | | 401 | 398.8 | | 2.2 | | | | | | | | | | |
| 218 | | | | 400 | 397.8 | | 2.2 | | | | | | | | | | |
| 220 | | | | 399 | 396.8 | | 2.2 | | | | | | | | | | |
| 222 | | | | 398 | 395.8 | | 2.2 | | | | | | | | | | |
| 224 | | | | 397 | 394.8 | | 2.2 | | | | | | | | | | |
| 226 | | | | 396 | 393.8 | | 2.2 | | | | | | | | | | |
| 228 | | | | 395 | 392.8 | | 2.2 | | | | | | | | | | |
| 230 | | | | 394 | 391.8 | | 2.2 | | | | | | | | | | |
| 232 | | | | 393 | 390.8 | | 2.2 | | | | | | | | | | |
| 234 | | | | 392 | 389.8 | | 2.2 | | | | | | | | | | |
| 236 | | | | 391 | 388.8 | | 2.2 | | | | | | | | | | |
| 238 | | | | 390 | 387.8 | | 2.2 | | | | | | | | | | |
| 240 | | | | 389 | 386.8 | | 2.2 | | | | | | | | | | |

45 below Profile Grade

Survey By: R.R. Hilliard Date: 5-7-40 Note Book No. 2-A Remarks:
Grades By: R.R. Hilliard Date: 5-8-40 Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 252-B(2)
SHEET NO. 16
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ankeny IN Crowley COUNTY. STATE ROAD NO. 17

Asphalt Paving Grade

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 252-B(2)
SHEET NO. 16
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ankeny IN Crowley COUNTY. STATE ROAD NO. 17

Asphalt Paving Grade

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 252-B(2)
SHEET NO. 17
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Ankeny IN Crowley COUNTY. STATE ROAD NO. 17

Asphalt Paving Grade

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 275-B(2)
SHEET NO. 18
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

| Location of Station | Grade | Profile Grade Elev. | Ground Elev. | Cut Cu. Yds. | Fill Cu. Yds. | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Fill Cu. Yds. Rock Borrow | Excavation Fill Cu. Yds. Rock Borrow Grade | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Fill Area | Embankment Fill Cu. Yds. | Embankment Balance Under Grade | Alignment Sign | Mark Alignment Centerline | Balance Line Under Grade | Water Mains Cu. Yds. | Surface Cu. Yds. | Waste Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 1+00 | | | | | | | | | | | | | | | | | | | | |
| 1100 | | 2651.7 | 2652 | 2.0 | | | | | | | | | | | | | | | | |
| 1200 | | 2652 | 2652 | 2.0 | | | | | | | | | | | | | | | | |
| 1300 | | 2653 | 2654 | 2.0 | | | | | | | | | | | | | | | | |
| 1400 | | 2654 | 2655 | 2.0 | | | | | | | | | | | | | | | | |
| 1500 | | 2655 | 2656 | 2.0 | | | | | | | | | | | | | | | | |
| 1600 | | 2656 | 2657 | 2.0 | | | | | | | | | | | | | | | | |
| 1700 | | 2657 | 2658 | 2.0 | | | | | | | | | | | | | | | | |
| 1800 | | 2658 | 2659 | 2.0 | | | | | | | | | | | | | | | | |
| 1900 | | 2659 | 2660 | 2.0 | | | | | | | | | | | | | | | | |
| 2000 | | 2660 | 2661 | 2.0 | | | | | | | | | | | | | | | | |
| 2100 | | 2661 | 2662 | 2.0 | | | | | | | | | | | | | | | | |
| 2200 | | 2662 | 2663 | 2.0 | | | | | | | | | | | | | | | | |
| 2300 | | 2663 | 2664 | 2.0 | | | | | | | | | | | | | | | | |
| 2400 | | 2664 | 2665 | 2.0 | | | | | | | | | | | | | | | | |
| 2500 | | 2665 | 2666 | 2.0 | | | | | | | | | | | | | | | | |
| 2600 | | 2666 | 2667 | 2.0 | | | | | | | | | | | | | | | | |
| 2700 | | 2667 | 2668 | 2.0 | | | | | | | | | | | | | | | | |
| 2800 | | 2668 | 2669 | 2.0 | | | | | | | | | | | | | | | | |
| 2900 | | 2669 | 2670 | 2.0 | | | | | | | | | | | | | | | | |
| 3000 | | 2670 | 2671 | 2.0 | | | | | | | | | | | | | | | | |
| 3100 | | 2671 | 2672 | 2.0 | | | | | | | | | | | | | | | | |
| 3200 | | 2672 | 2673 | 2.0 | | | | | | | | | | | | | | | | |
| 3300 | | 2673 | 2674 | 2.0 | | | | | | | | | | | | | | | | |
| 3400 | | 2674 | 2675 | 2.0 | | | | | | | | | | | | | | | | |
| 3500 | | 2675 | 2676 | 2.0 | | | | | | | | | | | | | | | | |
| 3600 | | 2676 | 2677 | 2.0 | | | | | | | | | | | | | | | | |
| 3700 | | 2677 | 2678 | 2.0 | | | | | | | | | | | | | | | | |
| 3800 | | 2678 | 2679 | 2.0 | | | | | | | | | | | | | | | | |
| 3900 | | 2679 | 2680 | 2.0 | | | | | | | | | | | | | | | | |
| 4000 | | 2680 | 2681 | 2.0 | | | | | | | | | | | | | | | | |
| 4100 | | 2681 | 2682 | 2.0 | | | | | | | | | | | | | | | | |
| 4200 | | 2682 | 2683 | 2.0 | | | | | | | | | | | | | | | | |
| 4300 | | 2683 | 2684 | 2.0 | | | | | | | | | | | | | | | | |
| 4400 | | 2684 | 2685 | 2.0 | | | | | | | | | | | | | | | | |
| 4500 | | 2685 | 2686 | 2.0 | | | | | | | | | | | | | | | | |
| 4600 | | 2686 | 2687 | 2.0 | | | | | | | | | | | | | | | | |
| 4700 | | 2687 | 2688 | 2.0 | | | | | | | | | | | | | | | | |
| 4800 | | 2688 | 2689 | 2.0 | | | | | | | | | | | | | | | | |
| 4900 | | 2689 | 2690 | 2.0 | | | | | | | | | | | | | | | | |
| 5000 | | 2690 | 2691 | 2.0 | | | | | | | | | | | | | | | | |
| 5100 | | 2691 | 2692 | 2.0 | | | | | | | | | | | | | | | | |
| 5200 | | 2692 | 2693 | 2.0 | | | | | | | | | | | | | | | | |
| 5300 | | 2693 | 2694 | 2.0 | | | | | | | | | | | | | | | | |
| 5400 | | 2694 | 2695 | 2.0 | | | | | | | | | | | | | | | | |
| 5500 | | 2695 | 2696 | 2.0 | | | | | | | | | | | | | | | | |
| 5600 | | 2696 | 2697 | 2.0 | | | | | | | | | | | | | | | | |
| 5700 | | 2697 | 2698 | 2.0 | | | | | | | | | | | | | | | | |
| 5800 | | 2698 | 2699 | 2.0 | | | | | | | | | | | | | | | | |
| 5900 | | 2699 | 2700 | 2.0 | | | | | | | | | | | | | | | | |
| 6000 | | 2700 | 2701 | 2.0 | | | | | | | | | | | | | | | | |
| 6100 | | 2701 | 2702 | 2.0 | | | | | | | | | | | | | | | | |
| 6200 | | 2702 | 2703 | 2.0 | | | | | | | | | | | | | | | | |
| 6300 | | 2703 | 2704 | 2.0 | | | | | | | | | | | | | | | | |
| 6400 | | 2704 | 2705 | 2.0 | | | | | | | | | | | | | | | | |
| 6500 | | 2705 | 2706 | 2.0 | | | | | | | | | | | | | | | | |
| 6600 | | 2706 | 2707 | 2.0 | | | | | | | | | | | | | | | | |
| 6700 | | 2707 | 2708 | 2.0 | | | | | | | | | | | | | | | | |
| 6800 | | 2708 | 2709 | 2.0 | | | | | | | | | | | | | | | | |
| 6900 | | 2709 | 2710 | 2.0 | | | | | | | | | | | | | | | | |
| 7000 | | 2710 | 2711 | 2.0 | | | | | | | | | | | | | | | | |
| 7100 | | 2711 | 2712 | 2.0 | | | | | | | | | | | | | | | | |
| 7200 | | 2712 | 2713 | 2.0 | | | | | | | | | | | | | | | | |
| 7300 | | 2713 | 2714 | 2.0 | | | | | | | | | | | | | | | | |
| 7400 | | 2714 | 2715 | 2.0 | | | | | | | | | | | | | | | | |
| 7500 | | 2715 | 2716 | 2.0 | | | | | | | | | | | | | | | | |
| 7600 | | 2716 | 2717 | 2.0 | | | | | | | | | | | | | | | | |
| 7700 | | 2717 | 2718 | 2.0 | | | | | | | | | | | | | | | | |
| 7800 | | 2718 | 2719 | 2.0 | | | | | | | | | | | | | | | | |
| 7900 | | 2719 | 2720 | 2.0 | | | | | | | | | | | | | | | | |
| 8000 | | 2720 | 2721 | 2.0 | | | | | | | | | | | | | | | | |
| 8100 | | 2721 | 2722 | 2.0 | | | | | | | | | | | | | | | | |
| 8200 | | 2722 | 2723 | 2.0 | | | | | | | | | | | | | | | | |
| 8300 | | 2723 | 2724 | 2.0 | | | | | | | | | | | | | | | | |
| 8400 | | 2724 | 2725 | 2.0 | | | | | | | | | | | | | | | | |
| 8500 | | 2725 | 2726 | 2.0 | | | | | | | | | | | | | | | | |
| 8600 | | 2726 | 2727 | 2.0 | | | | | | | | | | | | | | | | |
| 8700 | | 2727 | 2728 | 2.0 | | | | | | | | | | | | | | | | |
| 8800 | | 2728 | 2729 | 2.0 | | | | | | | | | | | | | | | | |
| 8900 | | 2729 | 2730 | 2.0 | | | | | | | | | | | | | | | | |
| 9000 | | 2730 | 2731 | 2.0 | | | | | | | | | | | | | | | | |
| 9100 | | 2731 | 2732 | 2.0 | | | | | | | | | | | | | | | | |
| 9200 | | 2732 | 2733 | 2.0 | | | | | | | | | | | | | | | | |
| 9300 | | 2733 | 2734 | 2.0 | | | | | | | | | | | | | | | | |
| 9400 | | 2734 | 2735 | 2.0 | | | | | | | | | | | | | | | | |
| 9500 | | 2735 | 2736 | 2.0 | | | | | | | | | | | | | | | | |
| 9600 | | 2736 | 2737 | 2.0 | | | | | | | | | | | | | | | | |
| 9700 | | 2737 | 2738 | 2.0 | | | | | | | | | | | | | | | | |
| 9800 | | 2738 | 2739 | 2.0 | | | | | | | | | | | | | | | | |
| 9900 | | 2739 | 2740 | 2.0 | | | | | | | | | | | | | | | | |
| 10000 | | 2740 | 2741 | 2.0 | | | | | | | | | | | | | | | | |
| 10100 | | 2741 | 2742 | 2.0 | | | | | | | | | | | | | | | | |
| 10200 | | 2742 | 2743 | 2.0 | | | | | | | | | | | | | | | | |
| 10300 | | 2743 | 2744 | 2.0 | | | | | | | | | | | | | | | | |
| 10400 | | 2744 | 2745 | 2.0 | | | | | | | | | | | | | | | | |
| 10500 | | 2745 | 2746 | 2.0 | | | | | | | | | | | | | | | | |
| 10600 | | 2746 | 2747 | 2.0 | | | | | | | | | | | | | | | | |
| 10700 | | 2747 | 2748 | 2.0 | | | | | | | | | | | | | | | | |
| 10800 | | 2748 | 2749 | 2.0 | | | | | | | | | | | | | | | | |
| 10900 | | 2749 | 2750 | 2.0 | | | | | | | | | | | | | | | | |
| 11000 | | 2750 | 2751 | 2.0 | | | | | | | | | | | | | | | | |
| 11100 | | 2751 | 2752 | 2.0 | | | | | | | | | | | | | | | | |
| 11200 | | 2752 | 2753 | 2.0 | | | | | | | | | | | | | | | | |
| 11300 | | 2753 | 2754 | 2.0 | | | | | | | | | | | | | | | | |
| 11400 | | 2754 | 2755 | 2.0 | | | | | | | | | | | | | | | | |
| 11500 | | 2755 | 2756 | 2.0 | | | | | | | | | | | | | | | | |
| 11600 | | 2756 | 2757 | 2.0 | | | | | | | | | | | | | | | | |
| 11700 | | 2757 | 2758 | 2.0 | | | | | | | | | | | | | | | | |
| 11800 | | 2758 | 2759 | 2.0 | | | | | | | | | | | | | | | | |
| 11900 | | 2759 | 2760 | 2.0 | | | | | | | | | | | | | | | | |
| 12000 | | 2760 | 2761 | 2.0 | | | | | | | | | | | | | | | | |
| 12100 | | 2761 | 2762 | 2.0 | | | | | | | | | | | | | | | | |
| 12200 | | 2762 | 2763 | 2.0 | | | | | | | | | | | | | | | | |
| TOTALS | | | | | | | | | | | | | | | | | | | | |

SURVEY BY: B.B. Hilland DATE: 8-12-[illegible] GRADE BOOK NO.: 4 REMARKS:
GRADES BY: B.B. Hilland DATE: 8-12-[illegible] CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 275-B(2)
SHEET NO. 19
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

| Location of Station | Grade | Profile Grade Elev. | Ground Elev. | Cut Cu. Yds. | Fill Cu. Yds. | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Fill Cu. Yds. Rock Borrow | Excavation Fill Cu. Yds. Rock Borrow Grade | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Fill Area | Embankment Fill Cu. Yds. | Embankment Balance Under Grade | Alignment Sign | Mark Alignment Centerline | Balance Line Under Grade | Water Mains Cu. Yds. | Surface Cu. Yds. | Waste Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 12+00 | | | | | | | | | | | | | | | | | | | | |
| 12100 | | 2763.7 | 2764.3 | 2.0 | | | | | | | | | | | | | | | | |
| 12200 | | 2764 | 2765 | 2.0 | | | | | | | | | | | | | | | | |
| 12300 | | 2765 | 2766 | 2.0 | | | | | | | | | | | | | | | | |
| 12400 | | 2766 | 2767 | 2.0 | | | | | | | | | | | | | | | | |
| 12500 | | 2767 | 2768 | 2.0 | | | | | | | | | | | | | | | | |
| 12600 | | 2768 | 2769 | 2.0 | | | | | | | | | | | | | | | | |
| 12700 | | 2769 | 2770 | 2.0 | | | | | | | | | | | | | | | | |
| 12800 | | 2770 | 2771 | 2.0 | | | | | | | | | | | | | | | | |
| 12900 | | 2771 | 2772 | 2.0 | | | | | | | | | | | | | | | | |
| 13000 | | 2772 | 2773 | 2.0 | | | | | | | | | | | | | | | | |
| 13100 | | 2773 | 2774 | 2.0 | | | | | | | | | | | | | | | | |
| 13200 | | 2774 | 2775 | 2.0 | | | | | | | | | | | | | | | | |
| 13300 | | 2775 | 2776 | 2.0 | | | | | | | | | | | | | | | | |
| 13400 | | 2776 | 2777 | 2.0 | | | | | | | | | | | | | | | | |
| 13500 | | 2777 | 2778 | 2.0 | | | | | | | | | | | | | | | | |
| 13600 | | 2778 | 2779 | 2.0 | | | | | | | | | | | | | | | | |
| 13700 | | 2779 | 2780 | 2.0 | | | | | | | | | | | | | | | | |
| 13800 | | 2780 | 2781 | 2.0 | | | | | | | | | | | | | | | | |
| 13900 | | 2781 | 2782 | 2.0 | | | | | | | | | | | | | | | | |
| 14000 | | 2782 | 2783 | 2.0 | | | | | | | | | | | | | | | | |
| 14100 | | 2783 | 2784 | 2.0 | | | | | | | | | | | | | | | | |
| 14200 | | 2784 | 2785 | 2.0 | | | | | | | | | | | | | | | | |
| 14300 | | 2785 | 2786 | 2.0 | | | | | | | | | | | | | | | | |
| 14400 | | 2786 | 2787 | 2.0 | | | | | | | | | | | | | | | | |
| 14500 | | 2787 | 2788 | 2.0 | | | | | | | | | | | | | | | | |
| 14600 | | 2788 | 2789 | 2.0 | | | | | | | | | | | | | | | | |
| 14700 | | 2789 | 2790 | 2.0 | | | | | | | | | | | | | | | | |
| 14800 | | 2790 | 2791 | 2.0 | | | | | | | | | | | | | | | | |
| 14900 | | 2791 | 2792 | 2.0 | | | | | | | | | | | | | | | | |
| 15000 | | 2792 | 2793 | 2.0 | | | | | | | | | | | | | | | | |
| 15100 | | 2793 | 2794 | 2.0 | | | | | | | | | | | | | | | | |
| 15200 | | 2794 | 2795 | 2.0 | | | | | | | | | | | | | | | | |
| 15300 | | 2795 | 2796 | 2.0 | | | | | | | | | | | | | | | | |
| 15400 | | 2796 | 2797 | 2.0 | | | | | | | | | | | | | | | | |
| 15500 | | 2797 | 2798 | 2.0 | | | | | | | | | | | | | | | | |
| 15600 | | 2798 | 2799 | 2.0 | | | | | | | | | | | | | | | | |
| 15700 | | 2799 | 2800 | 2.0 | | | | | | | | | | | | | | | | |
| 15800 | | 2800 | 2801 | 2.0 | | | | | | | | | | | | | | | | |
| 15900 | | 2801 | 2802 | 2.0 | | | | | | | | | | | | | | | | |
| 16000 | | 2802 | 2803 | 2.0 | | | | | | | | | | | | | | | | |
| 16100 | | 2803 | 2804 | 2.0 | | | | | | | | | | | | | | | | |
| 16200 | | 2804 | 2805 | 2.0 | | | | | | | | | | | | | | | | |
| 16300 | | 2805 | 2806 | 2.0 | | | | | | | | | | | | | | | | |
| 16400 | | 2806 | 2807 | 2.0 | | | | | | | | | | | | | | | | |
| 16500 | | 2807 | 2808 | 2.0 | | | | | | | | | | | | | | | | |
| 16600 | | 2808 | 2809 | 2.0 | | | | | | | | | | | | | | | | |
| 16700 | | 2809 | 2810 | 2.0 | | | | | | | | | | | | | | | | |
| 16800 | | 2810 | 2811 | 2.0 | | | | | | | | | | | | | | | | |
| 16900 | | 2811 | 2812 | 2.0 | | | | | | | | | | | | | | | | |
| 17000 | | 2812 | 2813 | 2.0 | | | | | | | | | | | | | | | | |
| 17100 | | 2813 | 2814 | 2.0 | | | | | | | | | | | | | | | | |
| 17200 | | 2814 | 2815 | 2.0 | | | | | | | | | | | | | | | | |
| 17300 | | 2815 | 2816 | 2.0 | | | | | | | | | | | | | | | | |
| 17400 | | 2816 | 2817 | 2.0 | | | | | | | | | | | | | | | | |
| 17500 | | 2817 | 2818 | 2.0 | | | | | | | | | | | | | | | | |
| 17600 | | 2818 | 2819 | 2.0 | | | | | | | | | | | | | | | | |
| 17700 | | 2819 | 2820 | 2.0 | | | | | | | | | | | | | | | | |
| 17800 | | 2820 | 2821 | 2.0 | | | | | | | | | | | | | | | | |
| 17900 | | 2821 | 2822 | 2.0 | | | | | | | | | | | | | | | | |
| 18000 | | 2822 | 2823 | 2.0 | | | | | | | | | | | | | | | | |
| 18100 | | 2823 | 2824 | 2.0 | | | | | | | | | | | | | | | | |
| 18200 | | 2824 | 2825 | 2.0 | | | | | | | | | | | | | | | | |
| 18300 | | 2825 | 2826 | 2.0 | | | | | | | | | | | | | | | | |
| 18400 | | 2826 | 2827 | 2.0 | | | | | | | | | | | | | | | | |
| 18500 | | 2827 | 2828 | 2.0 | | | | | | | | | | | | | | | | |
| 18600 | | 2828 | 2829 | 2.0 | | | | | | | | | | | | | | | | |
| 18700 | | 2829 | 2830 | 2.0 | | | | | | | | | | | | | | | | |
| 18800 | | 2830 | 2831 | 2.0 | | | | | | | | | | | | | | | | |
| 18900 | | 2831 | 2832 | 2.0 | | | | | | | | | | | | | | | | |
| 19000 | | 2832 | 2833 | 2.0 | | | | | | | | | | | | | | | | |
| 19100 | | 2833 | 2834 | 2.0 | | | | | | | | | | | | | | | | |
| 19200 | | 2834 | 2835 | 2.0 | | | | | | | | | | | | | | | | |
| 19300 | | 2835 | 2836 | 2.0 | | | | | | | | | | | | | | | | |
| 19400 | | 2836 | 2837 | 2.0 | | | | | | | | | | | | | | | | |
| 19500 | | 2837 | 2838 | 2.0 | | | | | | | | | | | | | | | | |
| 19600 | | 2838 | 2839 | 2.0 | | | | | | | | | | | | | | | | |
| 19700 | | 2839 | 2840 | 2.0 | | | | | | | | | | | | | | | | |
| 19800 | | 2840 | 2841 | 2.0 | | | | | | | | | | | | | | | | |
| 19900 | | 2841 | 2842 | 2.0 | | | | | | | | | | | | | | | | |
| 20000 | | 2842 | 2843 | 2.0 | | | | | | | | | | | | | | | | |
| 20100 | | 2843 | 2844 | 2.0 | | | | | | | | | | | | | | | | |
| 20200 | | 2844 | 2845 | 2.0 | | | | | | | | | | | | | | | | |
| 20300 | | 2845 | 2846 | 2.0 | | | | | | | | | | | | | | | | |
| 20400 | | 2846 | 2847 | 2.0 | | | | | | | | | | | | | | | | |
| 20500 | | 2847 | 2848 | 2.0 | | | | | | | | | | | | | | | | |
| 20600 | | 2848 | 2849 | 2.0 | | | | | | | | | | | | | | | | |
| 20700 | | 2849 | 2850 | 2.0 | | | | | | | | | | | | | | | | |
| 20800 | | 2850 | 2851 | 2.0 | | | | | | | | | | | | | | | | |
| 20900 | | 2851 | 2852 | 2.0 | | | | | | | | | | | | | | | | |
| 21000 | | 2852 | 2853 | 2.0 | | | | | | | | | | | | | | | | |
| 21100 | | 2853 | 2854 | 2.0 | | | | | | | | | | | | | | | | |
| 21200 | | 2854 | 2855 | 2.0 | | | | | | | | | | | | | | | | |
| 21300 | | 2855 | 2856 | 2.0 | | | | | | | | | | | | | | | | |
| 21400 | | 2856 | 2857 | 2.0 | | | | | | | | | | | | | | | | |
| 21500 | | 2857 | 2858 | 2.0 | | | | | | | | | | | | | | | | |
| 21600 | | 2858 | 2859 | 2.0 | | | | | | | | | | | | | | | | |
| 21700 | | 2859 | 2860 | 2.0 | | | | | | | | | | | | | | | | |
| 21800 | | 2860 | 2861 | 2.0 | | | | | | | | | | | | | | | | |
| 21900 | | 2861 | 2862 | 2.0 | | | | | | | | | | | | | | | | |
| 22000 | | 2862 | 2863 | 2.0 | | | | | | | | | | | | | | | | |
| 22100 | | 2863 | 2864 | 2.0 | | | | | | | | | | | | | | | | |
| 22200 | | 2864 | 2865 | 2.0 | | | | | | | | | | | | | | | | |
| TOTALS | | | | | | | | | | | | | | | | | | | | |

SURVEY BY: B.B. Hilland DATE: 8-12-[illegible] GRADE BOOK NO.: 4 REMARKS:
GRADES BY: B.B. Hilland DATE: 8-12-[illegible] CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 270-B(2)
SHEET NO. 21
OF 21 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO.

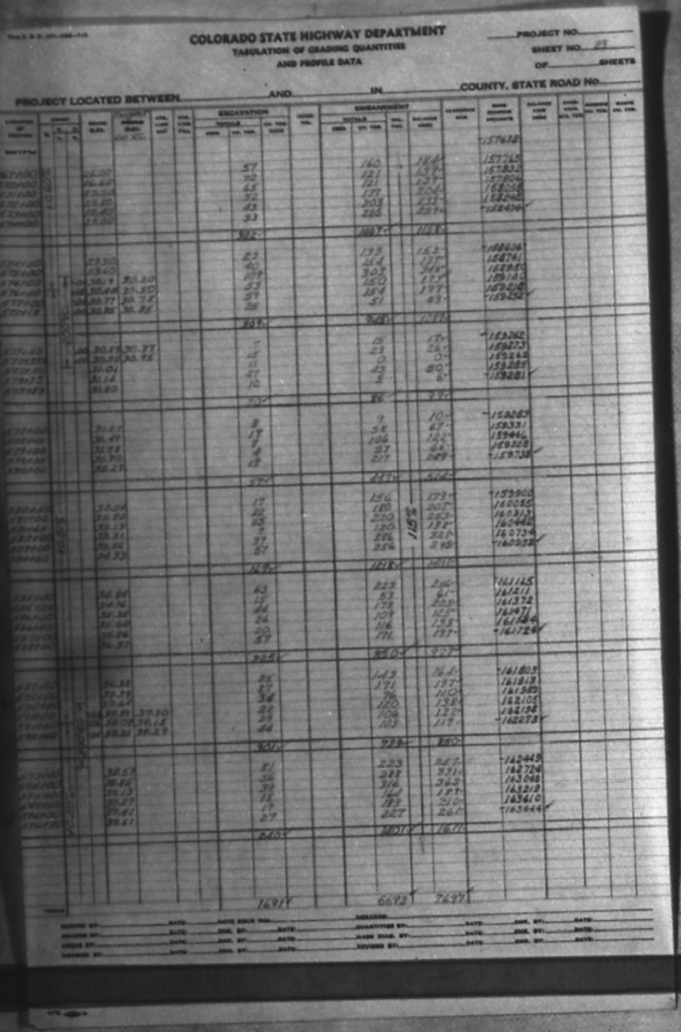
COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT NO.
SHEET NO.
OF SHEETS

PROJECT LOCATED BETWEEN AND IN COUNTY, STATE ROAD NO.

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT LOCATED BETWEEN AND IN COUNTY, STATE



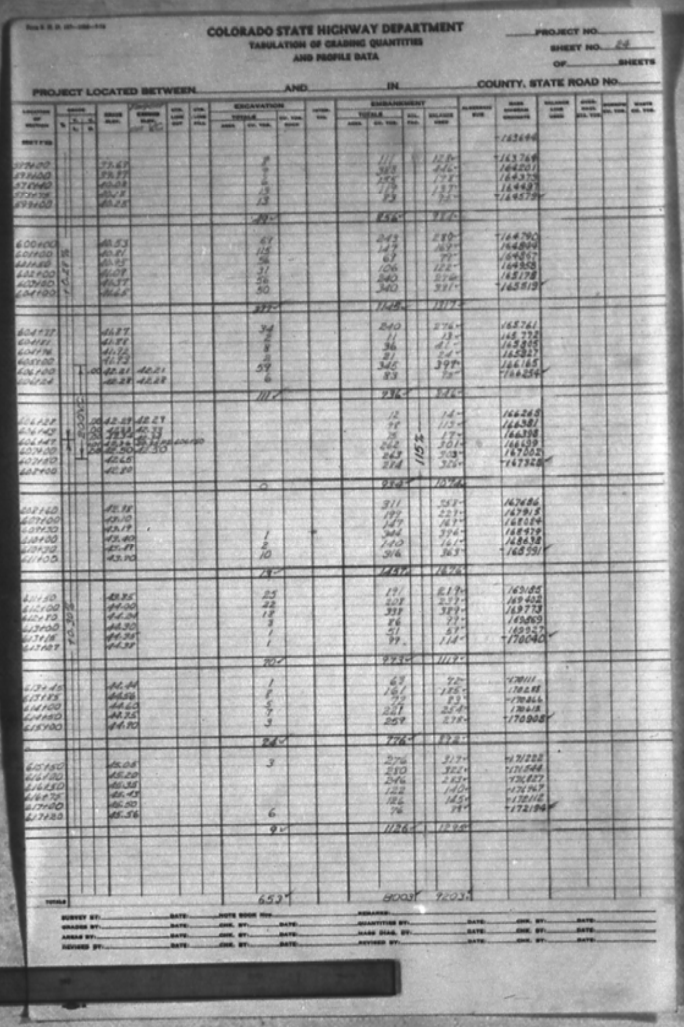
COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT NO.
SHEET NO. 23
OF SHEETS

PROJECT LOCATED BETWEEN AND IN COUNTY, STATE ROAD No.

| TOTALS | 1691 | 6693 | 7697 |
|---|---|---|---|

SURVEY BY: DATE: NOTE BOOK NO.: REMARKS:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:



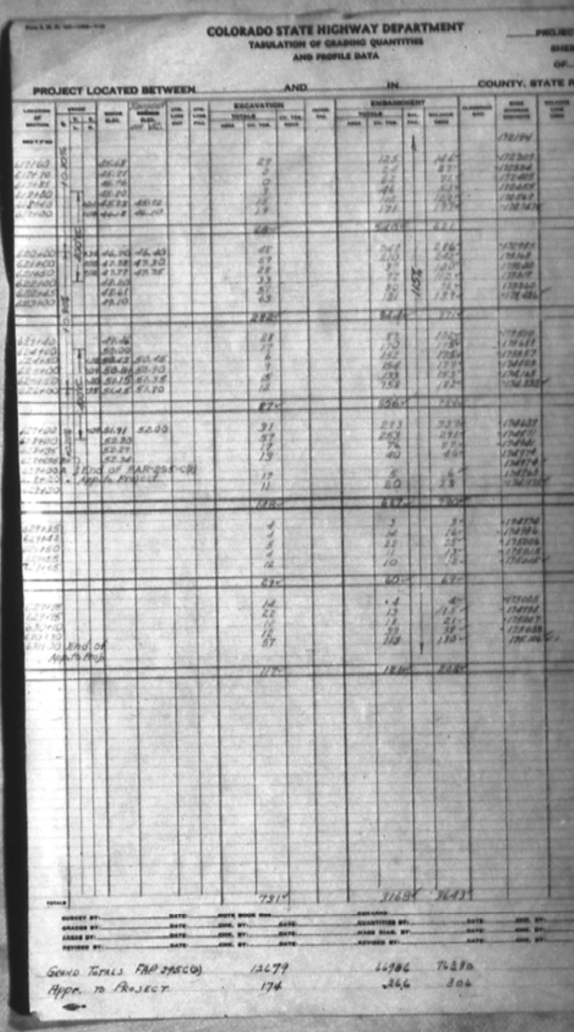
COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT NO.
SHEET NO. 24
OF SHEETS

PROJECT LOCATED BETWEEN AND IN COUNTY, STATE ROAD No.

| TOTALS | 653 | 8003 | 9203 |
|---|---|---|---|

SURVEY BY: DATE: NOTE BOOK NO.: REMARKS:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK.
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK.
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK.



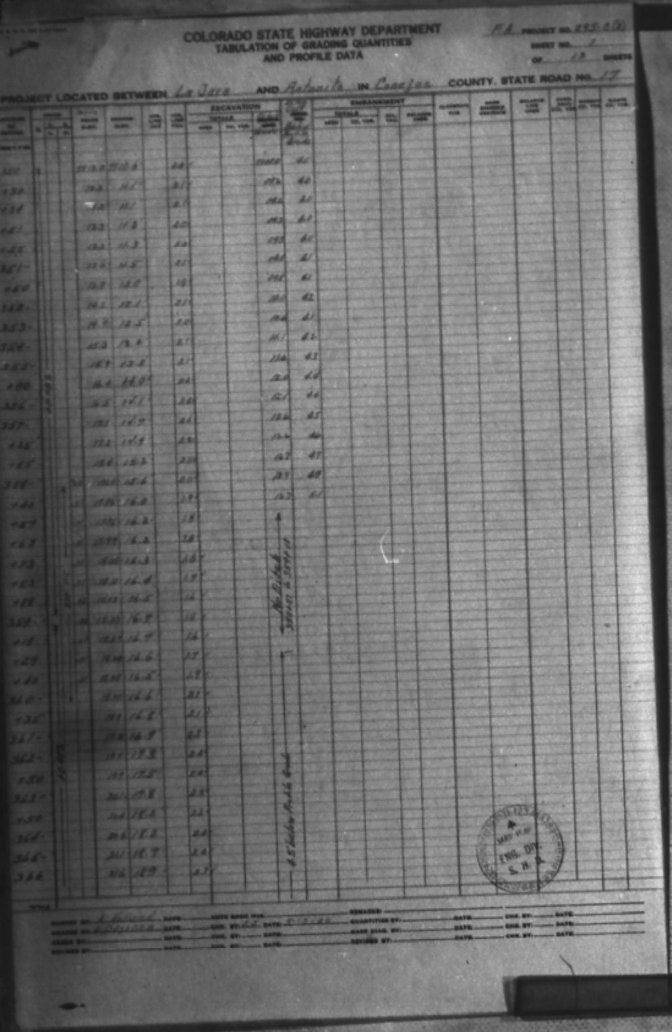
COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

PROJECT LOCATED BETWEEN AND IN COUNTY, STATE

| TOTALS | 731 | 3168 | 3643 |
|---|---|---|---|

SURVEY BY: DATE: NOTE BOOK NO.: REMARKS:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY:

| | | | |
|---|---|---|---|
| Grand Totals FAP 295C(3) | 12679 | 66986 | 76380 |
| Appr. to Project | 174 | 266 | 306 |



COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-C(2)
SHEET NO. 1
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

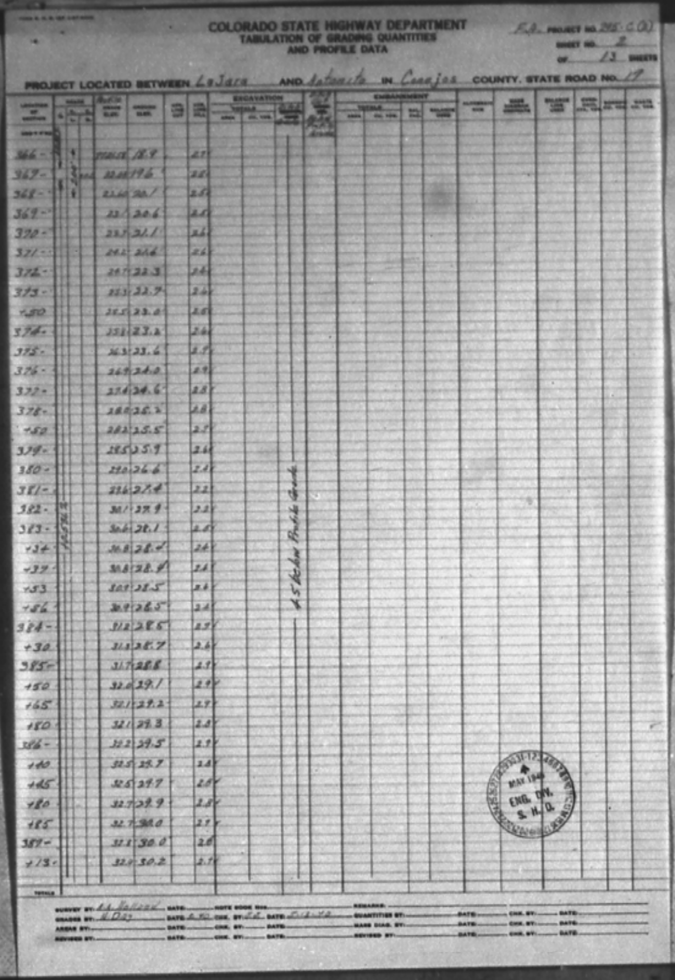
| | | | | |
|---|---|---|---|---|
| 350 | 7713.0 | 7710.6 | 2.4 | 41 |
| +30 | 13.2 | 11.1 | 2.1 | 40 |
| +34 | 13.2 | 11.1 | 2.1 | 40 |
| +41 | 13.3 | 11.3 | 2.0 | 40 |
| +45 | 13.3 | 11.3 | 2.0 | 40 |
| 351- | 13.6 | 11.5 | 2.1 | 41 |
| +60 | 13.9 | 12.0 | 1.9 | 41 |
| 352- | 14.2 | 12.1 | 2.1 | 42 |
| 353- | 14.7 | 12.5 | 2.2 | 41 |
| 354- | 15.3 | 13.2 | 2.1 | 42 |
| 355- | 15.9 | 13.8 | 2.1 | 43 |
| +80 | 16.4 | 14.0 | 2.4 | 44 |
| 356- | 16.5 | 14.1 | 2.4 | 44 |
| 357- | 17.1 | 14.7 | 2.4 | 45 |
| +35 | 17.2 | 14.9 | 2.3 | 46 |
| +55 | 17.4 | 15.2 | 2.2 | 47 |
| 358- | 17.61 | 15.6 | 2.0 | 48 |
| +20 | 17.86 | 16.0 | 1.9 | 51 |
| +27 | 17.96 | 16.2 | 1.8 | |
| +63 | 17.99 | 16.2 | 1.8 | |
| +73 | 18.00 | 16.3 | 1.7 | |
| +83 | 18.11 | 16.4 | 1.7 | |
| +86 | 18.13 | 16.5 | 1.6 | |
| 359- | 18.30 | 16.7 | 1.6 | |
| +16 | 18.35 | 16.7 | 1.6 | |
| +24 | 18.36 | 16.6 | 1.7 | |
| +40 | 18.40 | 16.5 | 1.9 | |
| 360- | 18.80 | 16.6 | 2.1 | |
| +35 | 18.9 | 16.8 | 2.1 | |
| 361- | 19.2 | 16.9 | 2.3 | |
| 362- | 19.7 | 17.3 | 2.4 | |
| +50 | 19.9 | 17.5 | 2.4 | |
| 363- | 20.1 | 17.8 | 2.3 | |
| +50 | 20.4 | 18.2 | 2.2 | |
| 364- | 20.6 | 18.2 | 2.4 | |
| 365- | 21.1 | 18.7 | 2.4 | |
| 366 | 21.6 | 18.9 | 2.7 | |

No Ditch 358+57 to 359+10

4.5' below Profile Grade

MAY 1940 ENG. DIV. S.H.D.

SURVEY BY: A. Holland DATE: NOTE BOOK NOS.: REMARKS:
GRADES BY: H. Day DATE: CHK. BY: E.E. DATE: 5-3-40 QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:



COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 295-C(2)
SHEET NO. 2
OF 13 SHEETS

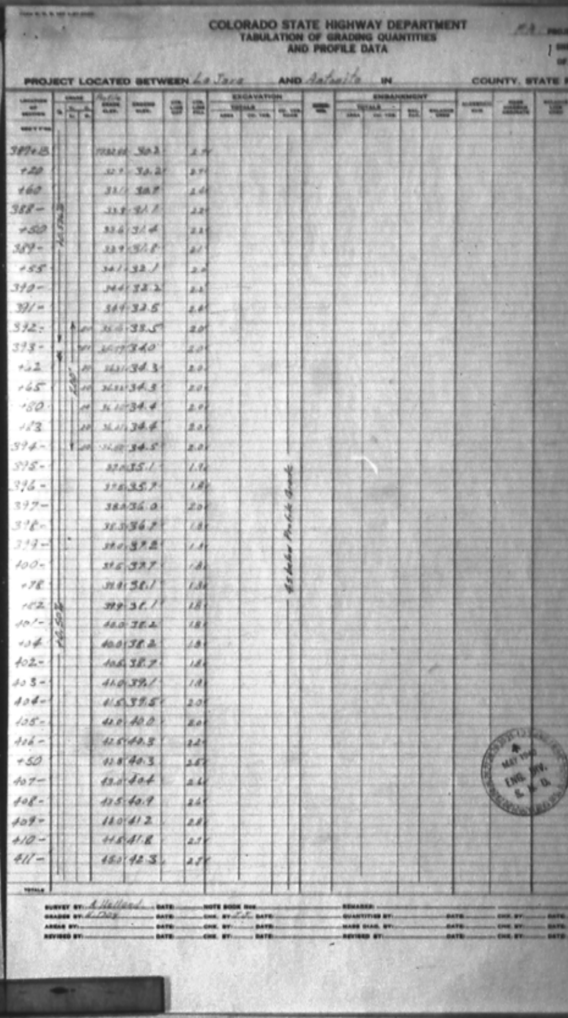
PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

| | | | |
|---|---|---|---|
| 366- | 7721.6 | 18.9 | 2.7 |
| 367- | 22.08 | 19.6 | 2.5 |
| 368- | 22.60 | 20.1 | 2.5 |
| 369- | 23.1 | 20.6 | 2.5 |
| 370- | 23.7 | 21.1 | 2.6 |
| 371- | 24.2 | 21.6 | 2.6 |
| 372- | 24.7 | 22.3 | 2.4 |
| 373- | 25.3 | 22.7 | 2.6 |
| +50 | 25.5 | 23.0 | 2.5 |
| 374- | 25.8 | 23.2 | 2.6 |
| 375- | 26.3 | 23.6 | 2.7 |
| 376- | 26.9 | 24.0 | 2.9 |
| 377- | 27.4 | 24.6 | 2.8 |
| 378- | 28.0 | 25.2 | 2.8 |
| +50 | 28.2 | 25.5 | 2.7 |
| 379- | 28.5 | 25.9 | 2.6 |
| 380- | 29.0 | 26.6 | 2.4 |
| 381- | 29.6 | 27.4 | 2.2 |
| 382- | 30.1 | 27.9 | 2.2 |
| 383- | 30.6 | 28.1 | 2.5 |
| +34 | 30.8 | 28.4 | 2.4 |
| +37 | 30.8 | 28.4 | 2.4 |
| +53 | 30.9 | 28.5 | 2.4 |
| +56 | 30.9 | 28.5 | 2.4 |
| 384- | 31.2 | 28.6 | 2.6 |
| +30 | 31.3 | 28.7 | 2.6 |
| 385- | 31.7 | 28.8 | 2.9 |
| +50 | 32.0 | 29.1 | 2.9 |
| +65 | 32.1 | 29.2 | 2.9 |
| +80 | 32.1 | 29.3 | 2.8 |
| 386- | 32.2 | 29.5 | 2.7 |
| +40 | 32.5 | 29.7 | 2.8 |
| +45 | 32.5 | 29.7 | 2.8 |
| +80 | 32.7 | 29.9 | 2.8 |
| +85 | 32.7 | 30.0 | 2.7 |
| 387- | 32.8 | 30.0 | 2.8 |
| +13 | 32.9 | 30.2 | 2.7 |

4.5' below Profile Grade

MAY 1940 ENG. DIV. S.H.D.

SURVEY BY: A. Holland DATE: NOTE BOOK NOS.: REMARKS:
GRADES BY: H. Day DATE: 5-40 CHK. BY: E.E. DATE: 5-13-40 QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:



COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJEC

PROJECT LOCATED BETWEEN La Jara AND Antonito IN COUNTY, STATE

| | | | |
|---|---|---|---|
| 387+13 | 7732.9 | 30.2 | 2.7 |
| +20 | 32.9 | 30.2 | 2.7 |
| +60 | 33.1 | 30.7 | 2.4 |
| 388- | 33.3 | 31.1 | 2.2 |
| +50 | 33.6 | 31.4 | 2.2 |
| 389- | 33.9 | 31.8 | 2.1 |
| +55 | 34.1 | 32.1 | 2.0 |
| 390- | 34.4 | 32.2 | 2.2 |
| 391- | 34.9 | 32.5 | 2.4 |
| 392- | 35.5 | 33.5 | 2.0 |
| 393- | 36.0 | 34.0 | 2.0 |
| +42 | 36.3 | 34.3 | 2.0 |
| +65 | 36.3 | 34.3 | 2.0 |
| +80 | 36.4 | 34.4 | 2.0 |
| +83 | 36.4 | 34.4 | 2.0 |
| 394- | 36.5 | 34.5 | 2.0 |
| 395- | 37.0 | 35.1 | 1.9 |
| 396- | 37.5 | 35.7 | 1.8 |
| 397- | 38.0 | 36.0 | 2.0 |
| 398- | 38.5 | 36.7 | 1.8 |
| 399- | 39.0 | 37.2 | 1.8 |
| 400- | 39.5 | 37.7 | 1.8 |
| +78 | 39.9 | 38.1 | 1.8 |
| +82 | 39.9 | 38.1 | 1.8 |
| 401- | 40.0 | 38.2 | 1.8 |
| +04 | 40.0 | 38.2 | 1.8 |
| 402- | 40.5 | 38.7 | 1.8 |
| 403- | 41.0 | 39.1 | 1.9 |
| 404- | 41.5 | 39.5 | 2.0 |
| 405- | 42.0 | 40.0 | 2.0 |
| 406- | 42.5 | 40.3 | 2.2 |
| +50 | 42.8 | 40.3 | 2.5 |
| 407- | 43.0 | 40.4 | 2.6 |
| 408- | 43.5 | 40.9 | 2.6 |
| 409- | 44.0 | 41.2 | 2.8 |
| 410- | 44.5 | 41.8 | 2.7 |
| 411- | 45.0 | 42.3 | 2.7 |

4.5' below Profile Grade

MAY 1940 ENG. DIV. S.H.D.

SURVEY BY: A. Holland DATE: NOTE BOOK NOS.: REMARKS:
GRADES BY: H. Day DATE: CHK. BY: E.E. DATE: QUANTITIES BY: DATE: CHK. BY: DATE
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

FA PROJECT NO. 295-C(1)
SHEET NO. 4
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

| Location of Sections | Curve | Deflection Angle | Degree Curve | Radius | Spiral Length | Station | Elevation | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Rock Equivalent Cu. Yds. | Haul | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Rock Equivalent Cu. Yds. | Balance Cuts | Alignment Point | Mass Diagram Quantities | Balance Cuts Cum. Cu. Yds. | Total Cuts Cum. Cu. Yds. | Embankment Cum. Cu. Yds. | Balance Cum. Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 1+00 | | | | | | | | | | | | | | | | | | | | | | | |
| 411- | | | | | | 711.10 | 42.3 | | 2.7 | | | | | | | | | | | | | | |
| +00 | | | | | | 712 | 42.2 | | 2.4 | | | | | | | | | | | | | | |
| 412- | | | | | | 712 | 43.3 | | 2.2 | | | | | | | | | | | | | | |
| +50 | | | | | | 712 | 43.8 | | 2.0 | | | | | | | | | | | | | | |
| +62 | | | | | | 713 | 44.0 | | 1.8 | | | | | | | | | | | | | | |
| +75 | | | | | | 713 | 44.1 | | 1.6 | | | | | | | | | | | | | | |
| +82 | | | | | | 713 | 44.2 | | 1.7 | | | | | | | | | | | | | | |
| 413- | | | | | | 714 | 44.2 | | 1.8 | | | | | | | | | | | | | | |
| +15 | | | | | | 714 | 44.2 | | 1.9 | | | | | | | | | | | | | | |
| +18 | | | | | | 714 | 44.2 | | 1.9 | | | | | | | | | | | | | | |
| +30 | | | | | | 714 | 44.2 | | 2.0 | | | | | | | | | | | | | | |
| +35 | | | | | | 714 | 44.3 | | 2.0 | | | | | | | | | | | | | | |
| 414- | | | | | | 714 | 44.4 | | 2.1 | | | | | | | | | | | | | | |
| +55 | | | | | | 714 | 44.5 | | 2.3 | | | | | | | | | | | | | | |
| +60 | | | | | | 714 | 44.5 | | 2.3 | | | | | | | | | | | | | | |
| +66 | | | | | | 714 | 44.5 | | 2.3 | | | | | | | | | | | | | | |
| +90 | | | | | | 714 | 44.5 | | 2.2 | | | | | | | | | | | | | | |
| 415- | | | | | | 714 | 44.4 | | 2.2 | | | | | | | | | | | | | | |
| +10 | | | | | | 714 | 44.4 | | 2.2 | | | | | | | | | | | | | | |
| +15 | | | | | | 714 | 44.4 | | 2.3 | | | | | | | | | | | | | | |
| +33 | | | | | | 714 | 44.4 | | 2.4 | | | | | | | | | | | | | | |
| +38 | | | | | | 714 | 44.4 | | 2.4 | | | | | | | | | | | | | | |
| 416- | | | | | | 714 | 45.1 | | 2.3 | | | | | | | | | | | | | | |
| 417- | | | | | | 714 | 45.5 | | 2.4 | | | | | | | | | | | | | | |
| +50 | | | | | | 714 | 45.8 | | 2.3 | | | | | | | | | | | | | | |
| 418- | | | | | | 714 | 46.0 | | 2.2 | | | | | | | | | | | | | | |
| 419- | | | | | | 714 | 46.3 | | 2.0 | | | | | | | | | | | | | | |
| 420- | | | | | | 714 | 46.4 | | 2.0 | | | | | | | | | | | | | | |
| 421- | | | | | | 714 | 46.6 | | 2.0 | | | | | | | | | | | | | | |
| 422- | | | | | | 714 | 46.6 | | 2.0 | | | | | | | | | | | | | | |
| 423- | | | | | | 714 | 46.6 | | 2.0 | | | | | | | | | | | | | | |
| 424- | | | | | | 714 | 46.3 | | 2.0 | | | | | | | | | | | | | | |
| +60 | | | | | | 714 | 46.5 | | 2.0 | | | | | | | | | | | | | | |
| 425- | | | | | | 714 | 46.9 | | 2.2 | | | | | | | | | | | | | | |
| 426- | | | | | | 714 | 49.0 | | 2.2 | | | | | | | | | | | | | | |
| +85 | | | | | | 714 | 49.1 | | 2.2 | | | | | | | | | | | | | | |
| 427- | | | | | | 714 | 49.2 | | 2.2 | | | | | | | | | | | | | | |

Survey By: A. Holland Date: Note Book No.: Remarks:
Grades By: E. Day Date: Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

FA PROJECT NO. 295-C(1)
SHEET NO. 5
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

| Location of Sections | Curve | Deflection Angle | Degree Curve | Radius | Spiral Length | Station | Elevation | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Rock Equivalent Cu. Yds. | Haul | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Rock Equivalent Cu. Yds. | Balance Cuts | Alignment Point | Mass Diagram Quantities | Balance Cuts Cum. Cu. Yds. | Total Cuts Cum. Cu. Yds. | Embankment Cum. Cu. Yds. | Balance Cum. Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 4+00 | | | | | | | | | | | | | | | | | | | | | | | |
| 427- | | | | | | 714.10 | 49.2 | | 2.3 | | | | | | | | | | | | | | |
| +50 | | | | | | 714 | 49.2 | | 2.4 | | | | | | | | | | | | | | |
| 428- | | | | | | 714 | 49.3 | | 2.6 | | | | | | | | | | | | | | |
| +65 | | | | | | 714 | 49.5 | | 2.4 | | | | | | | | | | | | | | |
| 429- | | | | | | 714 | 49.4 | | 2.6 | | | | | | | | | | | | | | |
| 430- | | | | | | 714 | 49.8 | | 2.5 | | | | | | | | | | | | | | |
| 431- | | | | | | 714 | 50.6 | | 2.4 | | | | | | | | | | | | | | |
| 432- | | | | | | 714 | 51.3 | | 2.1 | | | | | | | | | | | | | | |
| +65 | | | | | | 714 | 51.7 | | 2.0 | | | | | | | | | | | | | | |
| 433- | | | | | | 714 | 51.8 | | 2.1 | | | | | | | | | | | | | | |
| 434- | | | | | | 714 | 52.7 | | 2.5 | | | | | | | | | | | | | | |
| 435- | | | | | | 714 | 53.5 | | 2.6 | | | | | | | | | | | | | | |
| 436- | | | | | | 714 | 54.2 | | 2.6 | | | | | | | | | | | | | | |
| 437- | | | | | | 714 | 55.0 | | 2.6 | | | | | | | | | | | | | | |
| 438- | | | | | | 714 | 55.4 | | 2.6 | | | | | | | | | | | | | | |
| 439- | | | | | | 714 | 56.0 | | 2.6 | | | | | | | | | | | | | | |
| 440- | | | | | | 714 | 56.5 | | 2.6 | | | | | | | | | | | | | | |
| +50 | | | | | | 714 | 56.9 | | 2.4 | | | | | | | | | | | | | | |
| +54 | | | | | | 714 | 56.9 | | 2.4 | | | | | | | | | | | | | | |
| +71 | | | | | | 714 | 57.0 | | 2.4 | | | | | | | | | | | | | | |
| +75 | | | | | | 714 | 57.0 | | 2.4 | | | | | | | | | | | | | | |
| 441- | | | | | | 714 | 57.0 | | 2.5 | | | | | | | | | | | | | | |
| 442- | | | | | | 714 | 57.6 | | 2.6 | | | | | | | | | | | | | | |
| 443- | | | | | | 714 | 58.2 | | 2.3 | | | | | | | | | | | | | | |
| 444- | | | | | | 714 | 59.0 | | 2.1 | | | | | | | | | | | | | | |
| 445- | | | | | | 714 | 59.6 | | 2.1 | | | | | | | | | | | | | | |
| +88 | | | | | | 714 | 59.8 | | 2.2 | | | | | | | | | | | | | | |
| 446- | | | | | | 714 | 60.3 | | 2.1 | | | | | | | | | | | | | | |
| 447- | | | | | | 714 | 60.8 | | 2.1 | | | | | | | | | | | | | | |
| 448- | | | | | | 714 | 61.4 | | 2.2 | | | | | | | | | | | | | | |
| 449- | | | | | | 714 | 62.2 | | 2.0 | | | | | | | | | | | | | | |
| 450- | | | | | | 714 | 62.6 | | 2.3 | | | | | | | | | | | | | | |
| 451- | | | | | | 714 | 63.5 | | 2.0 | | | | | | | | | | | | | | |
| 452- | | | | | | 714 | 63.7 | | 2.3 | | | | | | | | | | | | | | |
| 453- | | | | | | 714 | 64.2 | | 2.2 | | | | | | | | | | | | | | |
| 454- | | | | | | 714 | 64.6 | | 2.3 | | | | | | | | | | | | | | |
| 455- | | | | | | 714 | 65.0 | | 2.3 | | | | | | | | | | | | | | |

Survey By: A. Holland Date: Note Book No.: Remarks:
Grades By: E. Day Date: Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

FA PROJECT NO.
SHEET NO.
OF

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE RO

| Location of Sections | Curve | Deflection Angle | Degree Curve | Radius | Spiral Length | Station | Elevation | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Rock Equivalent Cu. Yds. | Haul | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Rock Equivalent Cu. Yds. | Balance Cuts | Alignment Point | Mass Diagram Quantities | Balance Cuts Cum. Cu. Yds. | Total Cuts Cum. Cu. Yds. | Embankment Cum. Cu. Yds. | Balance Cum. Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sta. 7+00 | | | | | | | | | | | | | | | | | | | | | | | |
| 455- | | | | | | 714.10 | 65.0 | | 2.3 | | | | | | | | | | | | | | |
| 456- | | | | | | 714 | 65.7 | | 2.1 | | | | | | | | | | | | | | |
| 457- | | | | | | 714 | 66.0 | | 2.2 | | | | | | | | | | | | | | |
| 458- | | | | | | 714 | 66.6 | | 2.1 | | | | | | | | | | | | | | |
| 459- | | | | | | 714 | 66.9 | | 2.3 | | | | | | | | | | | | | | |
| 460- | | | | | | 714 | 67.6 | | 2.2 | | | | | | | | | | | | | | |
| +50 | | | | | | 714 | 67.9 | | 2.1 | | | | | | | | | | | | | | |
| 461- | | | | | | 714 | 68.0 | | 2.0 | | | | | | | | | | | | | | |
| 462- | | | | | | 714 | 68.6 | | 1.9 | | | | | | | | | | | | | | |
| 463- | | | | | | 714 | 68.8 | | 1.8 | | | | | | | | | | | | | | |
| 464- | | | | | | 714 | 69.4 | | 2.0 | | | | | | | | | | | | | | |
| 465- | | | | | | 714 | 69.6 | | 2.2 | | | | | | | | | | | | | | |
| 466- | | | | | | 714 | 70.1 | | 2.2 | | | | | | | | | | | | | | |
| 467- | | | | | | 714 | 70.7 | | 2.0 | | | | | | | | | | | | | | |
| +50 | | | | | | 714 | 71.0 | | 1.9 | | | | | | | | | | | | | | |
| +60 | | | | | | 714 | 71.1 | | 1.9 | | | | | | | | | | | | | | |
| +70 | | | | | | 714 | 71.2 | | 1.8 | | | | | | | | | | | | | | |
| +80 | | | | | | 714 | 71.3 | | 1.8 | | | | | | | | | | | | | | |
| +95 | | | | | | 714 | 71.3 | | 1.8 | | | | | | | | | | | | | | |
| 468- | | | | | | 714 | 71.3 | | 1.9 | | | | | | | | | | | | | | |
| +10 | | | | | | 714 | 71.3 | | 1.9 | | | | | | | | | | | | | | |
| +25 | | | | | | 714 | 71.2 | | 2.1 | | | | | | | | | | | | | | |
| +60 | | | | | | 714 | 71.3 | | 2.1 | | | | | | | | | | | | | | |
| 469- | | | | | | 714 | 71.6 | | 2.0 | | | | | | | | | | | | | | |
| 470- | | | | | | 714 | 71.9 | | 2.2 | | | | | | | | | | | | | | |
| +50 | | | | | | 714 | 72.0 | | 2.3 | | | | | | | | | | | | | | |
| 471- | | | | | | 714 | 72.3 | | 2.3 | | | | | | | | | | | | | | |
| +60 | | | | | | 714 | 72.5 | | 2.4 | | | | | | | | | | | | | | |
| 472- | | | | | | 714 | 72.6 | | 2.2 | | | | | | | | | | | | | | |
| 473- | | | | | | 714 | 73.4 | | 2.3 | | | | | | | | | | | | | | |
| 474- | | | | | | 714 | 74.0 | | 2.3 | | | | | | | | | | | | | | |
| +60 | | | | | | 714 | 74.6 | | 2.0 | | | | | | | | | | | | | | |
| 475- | | | | | | 714 | 74.8 | | 2.1 | | | | | | | | | | | | | | |
| 476- | | | | | | 714 | 75.3 | | 2.1 | | | | | | | | | | | | | | |
| 477- | | | | | | 714 | 75.9 | | 2.1 | | | | | | | | | | | | | | |
| 478- | | | | | | 714 | 76.4 | | 2.1 | | | | | | | | | | | | | | |
| 479- | | | | | | 714 | 77.0 | | 2.1 | | | | | | | | | | | | | | |

Survey By: A. Holland Date: Note Book No.: Remarks:
Grades By: E. Day Date: Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. 295-C(2)
SHEET NO. 7
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY. STATE ROAD NO. 17

| | | |
|---|---|---|
| 7779.06 | 77.0 | 2.1 |
| 79.6 | 77.5 | 2.1 |
| 80.1 | 78.0 | 2.1 |
| 80.7 | 78.3 | 2.4 |
| 81.2 | 78.9 | 2.3 |
| 81.7 | 79.6 | 2.1 |
| 81.9 | 79.7 | 2.2 |
| 82.2 | 80.1 | 2.1 |
| 82.6 | 80.6 | 2.2 |
| 83.30 | 81.4 | 1.9 |
| [illegible] | 81.7 | 2.1 |
| [illegible] | 82.3 | 1.9 |
| 84.6 | 82.4 | 2.2 |
| 84.9 | 82.9 | 2.2 |
| 85.3 | 82.8 | 2.5 |
| [illegible] | 83.3 | 2.3 |
| [illegible] | 83.6 | 2.2 |
| [illegible] | 84.1 | 2.0 |
| [illegible] | 84.5 | 1.8 |
| [illegible] | 85.0 | 1.9 |
| 87.4 | 85.7 | 1.7 |
| 88.1 | 86.0 | 2.1 |
| 88.4 | 86.4 | 2.0 |
| 88.8 | 86.8 | 2.0 |
| 89.5 | 87.4 | 2.1 |
| 90.2 | 88.3 | 1.9 |
| [illegible] | 89.1 | 1.8 |
| [illegible] | 89.6 | 1.9 |
| [illegible] | 90.1 | 2.2 |
| 92.3 | 90.2 | 2.1 |
| 92.6 | 90.7 | 1.9 |
| 93.0 | 90.8 | 2.2 |
| 93.3 | 91.2 | 2.3 |
| 93.6 | 91.8 | 2.1 |
| 94.0 | 91.8 | 2.2 |
| 94.3 | 92.1 | 2.2 |
| 94.7 | 92.4 | 2.3 |

4.0 below Profile Grade

SURVEY BY: A. Holland
GRADED BY: H. Day
CHK. BY: E.L.T.
AREAS BY:
REVISED BY:

---

## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. 295-C(2)
SHEET NO. 8
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY. STATE ROAD NO. 17

| | | | | |
|---|---|---|---|---|
| 511- | [illegible] | 92.4 | 2.3 | 4.0 |
| 512- | 95.0 | 93.5 | 2.5 | 4.0 |
| 513- | 95.3 | 92.8 | 2.5 | 4.0 |
| 514- | 95.76 | 93.2 | 2.7 | 4.2 |
| 515- | 96.71 | 93.5 | 3.2 | 4.7 |
| 516- | 97.7 | 94.3 | 3.4 | 5.3 |
| 517- | 98.2 | 95.4 | 3.4 | 5.1 |
| 518- | 98.8 | 96.8 | 3.0 | 4.8 |
| 519- | 99.4 | 98.1 | 2.8 | 4.6 |
| 520- | 99.9 | 99.5 | 2.4 | 4.3 |
| 521- | [illegible] | 00.6 | 2.2 | 4.0 |
| +55 | [illegible] | 01.6 | 1.9 | |
| 522- | [illegible] | 02.2 | 1.7 | |
| +23 | [illegible] | 02.4 | 1.6 | |
| +33 | [illegible] | 02.5 | 1.6 | |
| +37.5 | [illegible] | 02.6 | 1.5 | |
| +45 | [illegible] | 02.6 | 1.6 | |
| +50 | [illegible] | 02.6 | 1.6 | |
| +55 | [illegible] | 02.6 | 1.6 | |
| +65 | [illegible] | 02.7 | 1.6 | |
| +75 | [illegible] | 02.8 | 1.6 | |
| +85 | [illegible] | 02.8 | 1.6 | |
| 523- | [illegible] | 02.7 | 1.8 | |
| +15 | [illegible] | 02.6 | 2.0 | |
| +30 | [illegible] | 02.6 | 2.0 | |
| +40 | 04.7 | 02.7 | 2.0 | |
| +50 | 04.7 | 02.7 | 2.0 | |
| 524- | 05.0 | 02.7 | 2.3 | |
| +60 | 05.3 | 02.7 | 2.6 | |
| 525- | [illegible] | 02.8 | 2.7 | |
| 526- | 06.0 | 03.2 | 2.8 | |
| 527- | [illegible] | 03.8 | 2.9 | |
| 528- | 07.0 | 04.4 | 2.6 | |
| 529- | 07.5 | 05.2 | 2.3 | |
| 530- | 08.0 | 05.9 | 2.1 | |
| 531- | 08.5 | 06.5 | 2.0 | |
| 532- | 09.0 | 07.2 | 1.8 | |

4.0 below Profile Grade

MAY 1940
ENG. DIV.
S. H. D.

SURVEY BY: A. Holland
GRADED BY: H. Day
CHK. BY: E.L.T.
AREAS BY:
REVISED BY:

---

## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF GRADING QUANTITIES AND PROFILE DATA

F.A. PROJECT NO. 29
SHEET NO. 9
OF 13

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY. STATE ROAD NO.

| | | | |
|---|---|---|---|
| 532- | [illegible] | 07.2 | 1.8 |
| 533- | [illegible] | 07.6 | 1.9 |
| 534- | 10.13 | 07.8 | 2.2 |
| 535- | 10.36 | 08.0 | 2.4 |
| 536- | 10.7 | 08.4 | 1.7 |
| +60 | 10.9 | 08.8 | 2.1 |
| +65 | 10.9 | 08.6 | 2.1 |
| 537- | 11.1 | 08.8 | 2.3 |
| +05 | 11.1 | 08.8 | 2.3 |
| 538- | 11.4 | 08.9 | 2.5 |
| 539- | 11.8 | 09.2 | 2.6 |
| 540- | 12.5 | 09.7 | 2.5 |
| 541- | [illegible] | 09.9 | 1.6 |
| 542- | [illegible] | 10.3 | 1.6 |
| +50 | 12.8 | 10.3 | 2.5 |
| 543- | 12.9 | 10.1 | 2.8 |
| 544- | 13.1 | 10.2 | 1.9 |
| 545- | 13.3 | 10.7 | 2.6 |
| 546- | 13.5 | 10.6 | 2.9 |
| 547- | 13.7 | 11.0 | 2.7 |
| 548- | 13.9 | 11.4 | 2.5 |
| 549- | 14.1 | 11.6 | 2.5 |
| 550- | 14.31 | 12.0 | 2.8 |
| 551- | 14.63 | 12.2 | 2.4 |
| 552- | [illegible] | 12.7 | 2.5 |
| 553- | 15.9 | 13.4 | 2.5 |
| 554- | 16.6 | 14.1 | 2.5 |
| 555- | 17.2 | 14.8 | 2.4 |
| 556- | 17.9 | 15.5 | 2.4 |
| 557- | 18.6 | 16.1 | 2.5 |
| 558- | 19.3 | 16.7 | 2.6 |
| 559- | 19.95 | 17.4 | 2.6 |
| 560- | 20.61 | 17.7 | 2.9 |
| 561- | 21.13 | 18.1 | 3.1 |
| 562- | 21.8 | 18.3 | 3.5 |
| 563- | 22.4 | 19.1 | 3.3 |
| 564- | 23.0 | 19.5 | 3.5 |

4.0 below Profile Grade

MAY 1940
ENG. DIV.
S. H. D.

SURVEY BY: A. Holland
GRADED BY: H. Day
CHK. BY: E.L.T.
AREAS BY:
REVISED BY:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 255-C(6)
SHEET NO. 12
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Bobcaite IN Crowley COUNTY. STATE ROAD NO. 17

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 255-C(6)
SHEET NO. 11
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Junta AND Bobcaite IN Crowley COUNTY. STATE ROAD NO. 17

| Station | Grade | Ground Elev. | Grade Elev. | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Haul Cu. Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Fill | Embankment Haul Cu. Yds. | Slope Stake Left | Slope Stake Right | Balance Cuts | Balance Fills | Shrinkage Cu. Yds. | Swell Cu. Yds. | Net Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 586+00 | | 392.7 | 38.4 | | 2.3 | | | | | | | | | | | | | | |
| 587- | | 39.0 | 38.1 | | 2.6 | | | | | | | | | | | | | | |
| 588- | | 39.1 | 38.4 | | 2.7 | | | | | | | | | | | | | | |
| 589- | | 37.0 | 38.6 | | 2.4 | | | | | | | | | | | | | | |
| 590- | | 37.10 | 38.5 | | 2.4 | | | | | | | | | | | | | | |
| +50 | | 37.74 | 38.8 | | 2.4 | | | | | | | | | | | | | | |
| 591- | | 37.10 | 38.5 | | 2.5 | | | | | | | | | | | | | | |
| +50 | | 37.13 | 38.7 | | 2.4 | | | | | | | | | | | | | | |
| 592- | | 37.17 | 38.7 | | 2.6 | | | | | | | | | | | | | | |
| 593- | | 38.6 | 38.7 | | 2.9 | | | | | | | | | | | | | | |
| 594- | | 38.9 | 38.0 | | 2.9 | | | | | | | | | | | | | | |
| 595- | | 38.1 | 38.4 | | 2.7 | | | | | | | | | | | | | | |
| +50 | | 38.3 | 38.4 | | 2.9 | | | | | | | | | | | | | | |
| 596- | | 39.6 | 38.5 | | 2.9 | | | | | | | | | | | | | | |
| +70 | | 39.6 | 38.0 | | 2.6 | | | | | | | | | | | | | | |
| 597- | | 39.7 | 38.0 | | 2.7 | | | | | | | | | | | | | | |
| +25 | | 39.8 | 37.8 | | 2.8 | | | | | | | | | | | | | | |
| 598- | | 40.0 | 37.5 | | 2.4 | | | | | | | | | | | | | | |
| +40 | | 40.1 | 37.5 | | 2.6 | | | | | | | | | | | | | | |
| +75 | | 40.2 | 37.6 | | 2.6 | | | | | | | | | | | | | | |
| 599- | | 40.3 | 37.7 | | 2.6 | | | | | | | | | | | | | | |
| 600- | | 40.5 | 38.5 | | 2.2 | | | | | | | | | | | | | | |
| 601- | | 40.8 | 38.8 | | 2.0 | | | | | | | | | | | | | | |
| +50 | | 41.0 | 38.9 | | 2.1 | | | | | | | | | | | | | | |
| 602- | | 41.1 | 38.8 | | 2.3 | | | | | | | | | | | | | | |
| 603- | | 41.4 | 39.0 | | 2.4 | | | | | | | | | | | | | | |
| 604- | | 41.5 | 39.0 | | 2.7 | | | | | | | | | | | | | | |
| +77 | | 41.57 | 39.2 | | 2.7 | | | | | | | | | | | | | | |
| +81 | | 41.58 | 39.2 | | 2.7 | | | | | | | | | | | | | | |
| +96 | | 41.61 | 39.2 | | 2.7 | | | | | | | | | | | | | | |
| 605- | | 41.8 | 39.2 | | 2.7 | | | | | 736 | 68 | | | | | | | | |
| 606- | | 41.83 | 39.4 | | 2.8 | | | | | 737 | 68 | | | | | | | | |
| +26 | | 42.3 | 39.5 | | 2.8 | | | | | 737 | 68 | | | | | | | | |
| +28 | | 42.3 | 39.5 | | 2.8 | | | | | 737 | 68 | | | | | | | | |
| +43 | | 42.4 | 39.5 | | 2.9 | | | | | 737 | 68 | | | | | | | | |
| +67 | | 42.4 | 39.5 | | 2.9 | | | | | 737 | 68 | | | | | | | | |
| 607- | | 42.5 | 39.6 | | 3.1 | | | | | 738 | 68 | | | | | | | | |

Survey By: A. Halliwal Date: Note Book No.: Remarks:
Graded By: E. Day Date: Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

MAY 1940 ENG. DIV. S. H. D.

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A.

PROJECT LOCATED BETWEEN La Junta AND Bobcaite IN Crowley COUNTY. STATE

| Station | Grade | Ground Elev. | Grade Elev. | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Haul Cu. Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Fill | Embankment Haul Cu. Yds. | Slope Stake Left | Slope Stake Right | Balance Cuts | Balance Fills | Shrinkage Cu. Yds. | Swell Cu. Yds. | Net Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 607- | | 42.5 | 39.6 | | 3.1 | | | | | 738 | 68 | | | | | | | | |
| +50 | | 42.7 | 39.5 | | 3.2 | | | | | 739 | 68 | | | | | | | | |
| 608- | | 42.8 | 39.7 | | 3.1 | | | | | 739 | 68 | | | | | | | | |
| +60 | | 43.0 | 40.0 | | 3.0 | | | | | 739 | 68 | | | | | | | | |
| 609- | | 43.1 | 40.1 | | 3.0 | | | | | 739 | 68 | | | | | | | | |
| +30 | | 43.2 | 40.2 | | 3.0 | | | | | 739 | 68 | | | | | | | | |
| 610- | | 43.4 | 40.5 | | 2.9 | | | | | 739 | 68 | | | | | | | | |
| +30 | | 43.6 | 40.5 | | 3.0 | | | | | 739 | 68 | | | | | | | | |
| 611- | | 43.7 | 40.6 | | 3.1 | | | | | 739 | 68 | | | | | | | | |
| +80 | | 43.9 | 40.7 | | 3.2 | | | | | 739 | 68 | | | | | | | | |
| 612- | | 44.0 | 40.7 | | 3.3 | | | | | 740 | 68 | | | | | | | | |
| +80 | | 44.3 | 41.2 | | 3.1 | | | | | 740 | 68 | | | | | | | | |
| 613- | | 44.3 | 41.3 | | 3.0 | | | | | 740 | 68 | | | | | | | | |
| +15 | | 44.4 | 41.4 | | 3.0 | | | | | 740 | 68 | | | | | | | | |
| +27 | | 44.4 | 41.5 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +65 | | 44.5 | 41.6 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +85 | | 44.7 | 41.7 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| 614- | | 44.8 | 41.7 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +50 | | 44.9 | 41.8 | | 3.0 | | | | | 740 | 68 | | | | | | | | |
| 615- | | 44.9 | 41.9 | | 3.0 | | | | | 740 | 68 | | | | | | | | |
| +60 | | 45.1 | 42.0 | | 3.1 | | | | | 740 | 68 | | | | | | | | |
| 616- | | 45.2 | 42.2 | | 3.0 | | | | | 740 | 68 | | | | | | | | |
| +50 | | 45.4 | 42.5 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +75 | | 45.6 | 42.5 | | 3.0 | | | | | 740 | 68 | | | | | | | | |
| 617- | | 45.8 | 42.6 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +20 | | 45.8 | 42.7 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +60 | | 45.9 | 42.8 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +90 | | 45.9 | 42.8 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +95 | | 45.8 | 42.8 | | 2.8 | | | | | 740 | 68 | | | | | | | | |
| 618- | | 45.83 | 42.8 | | 2.9 | | | | | 740 | 68 | | | | | | | | |
| +40 | | 46.07 | 42.9 | | 2.8 | | | | | 740 | 68 | | | | | | | | |
| 619- | | 46.11 | 43.6 | | 2.6 | | | | | 740 | 68 | | | | | | | | |
| 620- | | 46.83 | 44.1 | | 2.6 | | | | | 740 | 68 | | | | | | | | |
| 621- | | 47.41 | 45.2 | | 2.2 | | | | | 740 | 68 | | | | | | | | |
| +60 | | 47.8 | 45.6 | | 2.2 | | | | | 740 | 68 | | | | | | | | |
| 622- | | 48.3 | 46.0 | | 2.2 | | | | | 740 | 68 | | | | | | | | |
| +45 | | 48.5 | 46.4 | | 2.1 | | | | | 740 | 68 | | | | | | | | |

Survey By: A. Halliwal Date: Note Book No.: Remarks:
Graded By: E. Day Date: Chk. By: Date: Quantities By: Date: Chk. By: Date:
Areas By: Date: Chk. By: Date: Mass Diag. By: Date: Chk. By: Date:
Revised By: Date: Chk. By: Date: Revised By: Date: Chk. By: Date:

MAY 1940 ENG. DIV. S. H. D.

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 285-C (1)
SHEET NO. 12
OF 13 SHEETS

PROJECT LOCATED BETWEEN La Jara AND Antonito IN Conejos COUNTY, STATE ROAD NO. 17

| Station or Offset | Grade | Rate | Grade Elev. | Profile Elev. | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Shrink Cu. Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Shrink Cu. Yds. | Embankment Balance Cu. Yds. | Alignment Mile | Mass Diagram Ordinate | Balance Line Line | Cumul. Cu. Yds. | Adjusted Cu. Yds. | Waste Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 622+65 | | | 8468.8 | 46.4 | 2.2 | | | | 46 | 60 | | | | | | | | | |
| 623- | | | 847 | 47.1 | 2.0 | | | | 46 | 60 | | | | | | | | | |
| +00 | | | 845 | 47.4 | 2.1 | | | | 46 | 60 | | | | | | | | | |
| 624- | | | 8448 | 47.8 | 2.2 | | | | 46 | 60 | | | | | | | | | |
| +50 | | | 8446 | 48.1 | 2.4 | | | | 46 | 60 | | | | | | | | | |
| 625- | | | 8444 | 48.6 | 2.2 | | | | 49 | 58 | | | | | | | | | |
| +50 | | | 8442 | 48.9 | 2.3 | | | | 49 | 56 | | | | | | | | | |
| 626- | | | 8440 | 49.8 | 2.1 | | | | 49 | 57 | | | | | | | | | |
| 627- | | | 8438 | 50.0 | 1.9 | | | | 48 | 58 | | | | | | | | | |
| 628- | | | 8436 | 50.7 | 1.6 | | | | 46 | 60 | | | | | | | | | |
| 629- | | | 8434 | 51.2 | 1.3 | | | | | | | | | | | | | | |
| +48.8 | | | 8432 | 51.6 | 1.1 | | | | | | | | | | | | | | |
| +90 | | | 8430 | 51.8 | 1.0 | | | | | | | | | | | | | | |
| 629- | | | 8428 | 51.9 | 1.0 | | | | | | | | | | | | | | |
| +05 | | | 8426 | 51.9 | 1.0 | | | | | | | | | | | | | | |
| +12.15 | | | 8425 | 51.8 | 1.0 | | | | | | | | | | | | | | |
| +48 | | | 8423 | 51.8 | 1.0 | | | | | | | | | | | | | | |
| +85 | | | 8421 | 51.6 | 0.9 | | | | | | | | | | | | | | |
| +95 | | | 8420 | 51.6 | 0.9 | | | | | | | | | | | | | | |
| +45 | | | 8418 | 51.9 | 1.2 | | | | | | | | | | | | | | |
| +85 | | | 8416 | 51.9 | 0.9 | | | | | | | | | | | | | | |
| +90 | | | 8416 | 51.6 | 1.0 | | | | | | | | | | | | | | |
| 630- | | | 8414 | 51.6 | 1.0 | | | | | | | | | | | | | | |
| 631- | | | 8412 | 52.1 | 0.9 | | | | | | | | | | | | | | |
| +20 | | | 8409 | 52.3 | 0.6 | | | | | | | | | | | | | | |
| +60 | | | 8407 | 52.3 | 0.9 | | | | | | | | | | | | | | |
| +80 | | | 8405 | 52.8 | 0.5 | | | | | | | | | | | | | | |
| 632- | | | 8403 | 52.6 | 0.9 | | | | | | | | | | | | | | |
| TOTALS | | | | | | | | | | | | | | | | | | | |

M. 6166

MAY 1966 ENG. DIV. S. H. D.

SURVEY BY: A. Valland DATE: NOTE BOOK NO.: REMARKS:
GRADES BY: R. Riley DATE: CHK. BY: J.E. DATE: 5-21-62 QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF GRADING QUANTITIES
AND PROFILE DATA

F.A. PROJECT NO. 285-C(2)
SHEET NO. 20
OF SHEETS

PROJECT LOCATED BETWEEN LA JARA AND ANTONITO IN CONEJOS COUNTY, STATE ROAD NO. 17

| Station or Offset | Grade | Rate | Grade Elev. | Profile Elev. | Cut | Fill | Excavation Totals Area | Excavation Totals Cu. Yds. | Excavation Shrink Cu. Yds. | Embankment Totals Area | Embankment Totals Cu. Yds. | Embankment Shrink Cu. Yds. | Embankment Balance Cu. Yds. | Alignment Mile | Mass Diagram Ordinate | Balance Line Line | Cumul. Cu. Yds. | Adjusted Cu. Yds. | Waste Cu. Yds. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 139+00 | | | 8548 | 46.1 | 0.0 | | | | | | | | | | | | | | |
| 140+00 | | | 8546 | 46.2 | 0.0 | | | | | | | | | | | | | | |
| 141+00 | | | 8544 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 142+00 | | | 8542 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 143+00 | | | 8540 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 144+00 | | | 8538 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 145+00 | | | 8536 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 146+00 | | | 8534 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 147+00 | | | 8532 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 148+00 | | | 8530 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 149+00 | | | 8528 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 150+00 | | | 8526 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 151+00 | | | 8524 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 152+00 | | | 8522 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 153+00 | | | 8520 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 154+00 | | | 8518 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 155+00 | | | 8516 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 156+00 | | | 8514 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 157+00 | | | 8512 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 158+00 | | | 8510 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 159+00 | | | 8508 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 160+00 | | | 8506 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 161+00 | | | 8504 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 162+00 | | | 8502 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 163+00 | | | 8500 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 164+00 | | | 8498 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 165+00 | | | 8496 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 166+00 | | | 8494 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 167+00 | | | 8492 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 168+00 | | | 8490 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 169+00 | | | 8488 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 170+00 | | | 8486 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 171+00 | | | 8484 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 172+00 | | | 8482 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 173+00 | | | 8480 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 174+00 | | | 8478 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 175+00 | | | 8476 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 176+00 | | | 8474 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 177+00 | | | 8472 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 178+00 | | | 8470 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 179+00 | | | 8468 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 180+00 | | | 8466 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 181+00 | | | 8464 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 182+00 | | | 8462 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 183+00 | | | 8460 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 184+00 | | | 8458 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 185+00 | | | 8456 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 186+00 | | | 8454 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 187+00 | | | 8452 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 188+00 | | | 8450 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 189+00 | | | 8448 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 190+00 | | | 8446 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 191+00 | | | 8444 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 192+00 | | | 8442 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 193+00 | | | 8440 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 194+00 | | | 8438 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 195+00 | | | 8436 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 196+00 | | | 8434 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| 197+00 | | | 8432 | 46.3 | 0.0 | | | | | | | | | | | | | | |
| TOTALS | | | | | | | | 1769 | | | 5278 | | 3512 | | | | | | |

SURVEY BY: DATE: NOTE BOOK NO.: REMARKS:
GRADES BY: DATE: CHK. BY: DATE: QUANTITIES BY: DATE: CHK. BY: DATE:
AREAS BY: DATE: CHK. BY: DATE: MASS DIAG. BY: DATE: CHK. BY: DATE:
REVISED BY: DATE: CHK. BY: DATE: REVISED BY: DATE: CHK. BY: DATE:

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF STRUCTURES AND QUANTITIES

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF STRUCTURES AND QUANTITIES

COLORADO STATE HIGHWAY DEPARTMENT
TABULATION OF STRUCTURES AND QUANTITIES

COLORADO STATE HIGHWAY DEPARTMENT

TABULATION OF STRUCTURES AND QUANTITIES

FED. AID PROJ. NO. [illegible] SHEET NO. [illegible] OF ____ SHEETS

BETWEEN La Junta AND Roberts IN Otero COUNTY, STATE ROAD NO. 17

PREPARED BY: C.F. Hutsell Jr. TITLE: Bridge Engineer DATE: 7-7-40 REV. BY: ____ DATE: ____

| Structure No. | Description | Structure No. | Concrete Class A | Concrete Class B | Reinforcing Steel | Corrugated Metal Pipe 12" | 15" | 18" | 24" | 30" | 36" | Pipe Culvert Length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | Wood Bridge [illegible] | [illegible] | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | 28 | 2.8 | | | | 1.0 | | 1.0 | |
| [illegible] | Remove [illegible] | [illegible] | | | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | 5 | | | | | | | | |
| [illegible] | [illegible] | [illegible] | | 10 | | | | 1.5 | | 4 | 60 | |
| [illegible] | [illegible] | [illegible] | | 10 | | | | | | | | |
| [illegible] | Ditch Change Rd. No. 2 | | | 440 | | | | | | | | |
| [illegible] | [illegible] | | 450 | 10 | 15 | | | | | | | 10 |
| [illegible] | [illegible] | | 450 | | 10 | | | | | | | |
| [illegible] | [illegible] | 1-CMP | | | | | | | | | | 22 |
| [illegible] | [illegible] | | 120 | | 30 | | | | | | | |
| [illegible] | | | | 5 | | | | | | | | 30 |
| [illegible] | Ditch Change Rd. No. 1 | | | 180 | | | | | | | | |
| [illegible] | [illegible] | 1-CMP | 240 | | 10 | | | | | | | |
| [illegible] | [illegible] | 1-CMP | 240 | | 10 | | | | | | | |
| [illegible] | | | | 10 | | | | | | | | 30 |
| [illegible] | Ditch Change Rd. No. 1 | | | 140 | | | | | | | | |
| [illegible] | Temporary Detour [illegible] | | (Force Account; Work By State Forces) | | | | | | | | | |
| [illegible] | [illegible] | 1-CMP | 270 | | 10 | | | | | | | |
| Totals | | 2-Wood | 0 | 1 | 82.1 | 1.5 | 0 | 1.5 | 1 | 0 | 1.0 | 1.5 | 0 | 1.5 |

REMARKS:
* Included in profile quantities.
** Line relocated to Right South Bank of irrigation ditch Rt.

Rev. 11/24/40 — N.R.H.

COLORADO STATE HIGHWAY DEPARTMENT

TABULATION OF STRUCTURES AND QUANTITIES

FED. AID PROJ. NO. [illegible] SHEET NO. [illegible] OF ____ SHEETS

BETWEEN La Junta AND Roberts IN Otero COUNTY, STATE ROAD NO. 17

PREPARED BY: C.F. Hutsell Jr. TITLE: Bridge Engineer DATE: 7-10-40 REV. BY: ____ DATE: ____

| Structure No. | Description | Structure No. | Concrete Class A | Concrete Class B | Reinforcing Steel | Corrugated Metal Pipe 12" | 15" | 18" | 24" | 30" | 36" | Pipe Culvert Length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | Rd. Approx. Lt. Remove 18'x30' CMP Culv. Sta. [illegible] (2 barrels) & Replace [illegible] | | 450 | 20 | 25 | | | | | | | 50 |
| [illegible] | Rd. Approx. Lt. Remove 18'x30' CMP Culv. at [illegible] (2 barrels) & Replace [illegible] | | 450 | | 10 | | | | | | | |
| [illegible] | Rd. Approx. Rt. Remove [illegible] & Replace [illegible] | | 400 | 8 | 30 | | | | | | | 50 |
| [illegible] | Ditch Change Rd. No. 2 | | | 440 | | | | | | | | |
| [illegible] | Rd. Approx. Rt. Remove 18'x30' CMP Culv. at [illegible] (2 barrels) & Replace [illegible] | | 440 | 5 | 10 | | | | | | | 30 |
| [illegible] | Rd. Approx. Rt. Remove 18'x30' CMP Culv. at [illegible] & Replace [illegible] | | 460 | | 10 | | | | | | | |
| [illegible] | Ditch Change Rd. No. 1 | | | 115 | | | | | | | | |
| 306+17 | Rd. Approx. Lt. Remove 2'x1'x16' R.C.C. | 1-RCC | 110 | | 20 | | | | | | | |
| 306+22 | Rd. Approx. Rt. Remove 18'x22' CMP (Relocation [illegible]) Sta. 310+10 [illegible] | | 460 | 10 | 10 | | | | | | | 30 | 1-18" Corrugated |
| 307+30 | Rd. Approx. Lt. Remove 15'x20' CMP Culv. at (2 barrels) & Replace [illegible] | | 440 | | 10 | | | | | | | |
| 307+45 | Rd. Approx. Rt. Remove 15'x20' CMP Culv. at (2 barrels) & Replace [illegible] | | 425 | 10 | 10 | | | | | | | 30 | 1-18" Corrugated |
| Totals | | 1-Wood | 0 | 0 | 40 | 1.5 | 1.5 | 1.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 0 | 1.5 |

REMARKS:
* Included in profile quantities.

COLORADO STATE HIGHWAY DEPARTMENT

TABULATION OF STRUCTURES AND QUANTITIES

FED. AID PROJ. NO. [illegible] SHEET NO. [illegible] OF ____ SHEETS

BETWEEN La Junta AND Roberts IN Otero COUNTY, STATE ROAD NO. 17

PREPARED BY: C.F. Hutsell Jr. TITLE: Bridge Engineer DATE: 7-10-40 REV. BY: ____ DATE: ____

| Structure No. | Description | Structure No. | Concrete Class A | Concrete Class B | Reinforcing Steel | Corrugated Metal Pipe 12" | 15" | 18" | 24" | 30" | 36" | Pipe Culvert Length |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | Rd. Approx. Rt. Remove [illegible] & Replace [illegible] | | 445 | | 18 | | | | | | | |
| [illegible] | Ditch Change Rd. No. 1 | | | | 25 | | | | | | | |
| [illegible] | Ditch Change Rd. No. 2 | | | | 160 | | | | | | | |
| [illegible] | Rd. Approx. Lt. Remove 18'x30' CMP Culv. at [illegible] & Replace [illegible] | | 455 | | 10 | | | | | | | |
| [illegible] | Ditch Change Rd. No. 1 | | | | 18 | | | | | | | |
| [illegible] | Rd. Approx. Rt. Remove 18'x30' CMP Culv. at [illegible] & Replace [illegible] | | 470 | | 10 | | | | | | | |
| [illegible] | Relocation of Remove 18'x30' CMP Culv. at [illegible] & Replace [illegible] | | 475 | | 10 | | | | | | | |
| [illegible] | Remove & Reset [illegible] | | | | | | | | | | | |
| Totals | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| REMARKS: Total Rds 295-B-(2) | | | 5 | 15 | 0 | 0 | 260 | 292 | 105.5 | 46.5 | 15.5 | 5.5 | | 150 | 142 | 72 | 44 |

* Included in Profile quantities.

## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF STRUCTURES AND QUANTITIES

FED. AID PROJ. NO. [illegible]
SHEET NO. 1
OF ____ SHEETS

BETWEEN La Junta AND Rocky Ford IN Crowley COUNTY, STATE ROAD NO. 17

PREPARED BY: [illegible] TITLE: Draftsman DATE: 7-11-40 REV. BY: ____ DATE: ____

| Location of Structure | Description | Bridge Number No. | Sign | Excavation Cu. Yds. Unclass. | Borrow | Borrow Cu. Yds. | Surface Depth Ins. | Plant Mix Sq. Yds. | Concrete Cu. Yds. Class A | Class B | Reinforcing Lbs. | Corrugated Metal Pipe Lin. Ft. 12" | 18" | 24" | 30" | 36" | Pavd. Pipe | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 320+00 to 323+00 | Detour change Rt. 17 to 2 | | | | | | | 180 | | | | | | | | | | | | |
| 320+00 | Rd. Appr. Rt. Remove 1 Span CMP 36" Diam. Replace with 1 Span 36" x 32' CMP & Remove 24" x 32' CMP & Relay in Inspection Ditch 175 | | | | 220 | | | 10 | | | | | | | | | 30 | 1-18" Connecting Band | | |
| | | | | | | | | | | | | | | | | | 12 | | | |
| 322+00 | Remove Span 24 | 1-Span | | | | | | | | | | | | | | | | | | |
| 322+00 | Rd. Appr. Lt. & CMP. Inside Wh. Remove (2 Metal) and 1 Span 42" x 32' Metal & Relay at Sta. 322+00 | 1-Metal | | | | 5 | | | | 1.80 | 182 | | | | | | | 2-18" Connecting Bands | | |
| 322+00 | Rd. Appr. Rt. Remove 24" x 32' CMP and Relay in Rt. Ditch | | | | 420 | 18 | | 20 | | | | | | | | | 70 | | | |
| 323+00 | Rd. Appr. Lt. | | | | 420 | | | 20 | | | | | | | | | | | | |
| 323+00 | Rd. Appr. Rt. Remove 18" x 32' CMP and Relay in Rt. 18" Diam. 323+63 | | | | 140 | 5 | | 10 | | | | | | | | | 30 | 1-18" Connecting Band | | |
| 323+00 | Rd. Appr. Rt. | | | | 140 | | | 10 | | | | | | | | | | | | |
| 323+63 | Remove & Reset Pipe | 1-Pipe | | | | | | | | | | | | | | | | Reset Pipe | | |
| 324+00 | Widen Rd. Appr. Lt. | | | | 2,300 | | | 220 | | | | | | | | | | | | |
| 324+00 | Rd. Appr. Rt. Remove 18" x 32' CMP 1-18" Metal & Relay Rt. | | | | 4,155 | 18 | | 20 | | | | | | | | | 54 | | | |
| 324+00 | Move Building Detour Rt. | | | | | | | | | | | | | | | | | Move Building | | |
| 325+00 | Move Gas Pumps Rt. | | | | | | | | | | | | | | | | | Move Gas Pumps | | |
| 326+00 | Remove Span Rt. | 1-Span | | | | | | | | | | | | | | | | | | |
| 326+00 | Remove Span Rt. | 1-Span | | | | | | | | | | | | | | | | | | |
| 326+00 | Remove Store Lt. | | | | | | | | | | | | | | | | | Move Gas Pumps, Building | | |
| TOTALS | | 2 Spans | 0 | 0 | 5,215 | 150 | 180 | 0 | 0 | 1.80 | 0 | 0 | 40 | 0 | 0 | 0 | 196 | | | |

REMARKS:
* Connecting Bands to be Rib Connecting Bands
† Note: Use 1-18" Metal Pipe to extend under Inspection Ditch at 322+00

## COLORADO STATE HIGHWAY DEPARTMENT
### TABULATION OF STRUCTURES AND QUANTITIES

FED. AID PROJ. NO. 220-C(1)
SHEET NO. 2
OF ____ SHEETS

BETWEEN La Junta AND Rocky Ford IN Crowley COUNTY, STATE ROAD NO. 17

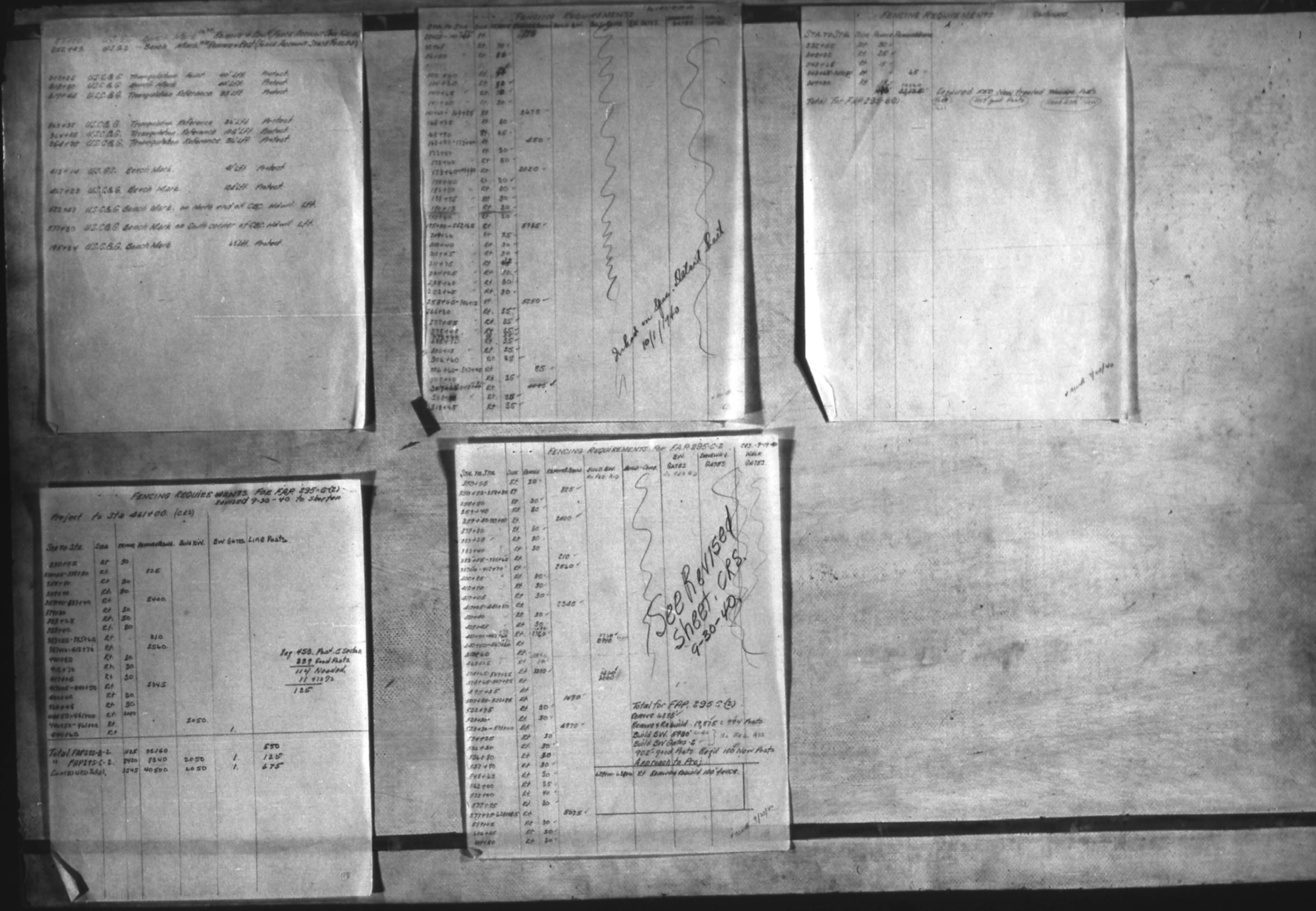
PREPARED BY: [illegible] TITLE: Draftsman DATE: 7-12-40 REV. BY: ____ DATE: ____

| Location of Structure | Description | Bridge Number No. | Sign | Excavation Cu. Yds. Unclass. | Borrow | Borrow Cu. Yds. | Surface Depth Ins. | Plant Mix Sq. Yds. | Concrete Cu. Yds. Class A | Class B | Reinforcing Lbs. | Corrugated Metal Pipe Lin. Ft. 12" | 18" | 24" | 30" | 36" | Pavd. Pipe | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 327+00 | Rd. Appr. Rt. Remove 4'-8" x 4.5' Conc. Culvert Relay CMP Side Dr. Rt. Remove from 327+72 | 1-Culvert | | | 420 | | | 10 | | | | | | | | | 30 | | | |
| 327+00 | Remove 18" x 36' CMP. Replace with 1 Span 36" x 32' CMP & Relay at 327+00 | | | | | 5 | | | | | | | | | | | | | | |
| 327+72 | CMP. X Culv. 4 Metal | 1-Culv. | | | | 5 | 30 | | | | | 4 | | 72 | | | | | | |
| 393+72 | Rd. Appr. Lt. & CMP. Inside Wh. Remove (2 Metal) and 1 Span 42" x 32' Metal & Relay at 393+00 | | | | 440 | 10 | | 10 | | | | | | 80 | | | | | | |
| 400+42 | Rd. Appr. Lt. Remove 18" x 32' CMP (2 Metal) & Relay Rt. at 400+40 Relay in Rt. Side Dr. Front End 402+42 | | | | 420 | 10 | | 10 | | | | | | | | | 54 | | | |
| 402+42 | Rd. Appr. Rt. & Lt. Remove 4'-8" x 4.5' Conc. Culv. Relay in Rt. Side Dr. at (2-Metal) & Relay in Rt. at 400+42 | | | | 4180 | 10 | | 40 | | | | | | 50 | | | 50 | | | |
| 404+42 | Rd. Appr. Rt. Remove 18" x 32' CMP Relay in Rt. Side Dr. | | | | 420 | 10 | | 10 | | | | | | | | | 30 | | | |
| 407+00 | Rd. Appr. Lt. Remove 4'-8" x 4.5' Conc. Relay CMP Side Dr. from 407+72 to 407+00 | 1-Culv. | | | 420 | 10 | | 10 | | | | | | | | | 30 | 1-18" Connecting Band | | |
| 407+00 | Remove 18" x 36' CMP (2 Metal) & Relay CMP & Replace with 1 Span 36" x 32' CMP | 1-Span | | | | 5 | | | | | | 8 | | 144 | | | | | | |
| 410+00 | Rd. Appr. Rt. Remove 18" x 32' CMP. Cut pipe in two 18" pieces & relay in Rt. Side Dr. 410+00 & 413+00. Relay CMP Side Dr. Rt. Remove from 412+07 | | | | 420 | 5 | | 10 | | | | | | | | | 30 | | | |
| 411+00 | Approach to Proj. Project Number | | Remove Sign | Remove Signal | 100 | | | 150 | | | | | | | | | | 1-Project Number | | |
| TOTALS | | 0 | 1 | 0 | 2,000 | 72 | 30 | 1,200 | 0 | 0 | 0 | 80 | 144 | 0 | | | 144 | | | |

REMARKS:

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Total PRP 225-B(2) | 5 | 11 | — | — | 360 | 2,915 | 168 | 40.7 | 18.17 | 3552 | — | 170 | 582 | 72 | 44 | 702 |
| Total PRP 220-C(1) | 3 | 3 | | | 500 | 120 | 170 | 660 | .05 | 1.80 | 0 | — | 180 | 198 | — | — | 378 |
| Cons. Total | 8 | 14 | | | 860 | 3,035 | 338 | 700.7 | 18.25 | 3552 | — | 270 | 780 | 72 | 44 | 1,080 |

* Included in profile quantities.



| | | | | |
|---|---|---|---|---|
| [illegible] | U.S.G.S. | Bench Mark | Remove & Reset (Fence Account State Forces) | |
| [illegible] | U.S.G.S. | Bench Mark | Remove & Reset (Fence Account State Forces) | |
| [illegible] | U.S.C.&G. | Triangulation Point | 40' Lft. | Protect |
| [illegible] | U.S.C.&G. | Bench Mark | 40' Lft. | Protect |
| [illegible] | U.S.C.&G. | Triangulation Reference | 38' Lft | Protect |
| [illegible] | U.S.C.&G. | Triangulation Reference | 36' Lft | Protect |
| 364+85 | U.S.C.&G. | Triangulation Reference | 136' Lft. | Protect |
| 364+78 | U.S.C.&G. | Triangulation Reference | 36' Lft | Protect |
| 413+14 | U.S.G.S. | Bench Mark | 41' Lft | Protect |
| 457+23 | U.S.C.&G. | Bench Mark | 124' Lft | Protect |
| [illegible] | U.S.C.&G. | Bench Mark, on North end of C&C. Culvert | Lft. | |
| 577+30 | U.S.C.&G. | Bench Mark on South corner of C&C. Culvert | Lft. | |
| 195+34 | U.S.C.&G. | Bench Mark | 65' Lft. | Protect |

---

FENCING REQUIREMENTS

| Sta. to Sta. | Side | Remove | Remove & Rebuild | Build B.W. | [illegible] Gates | [illegible] Gates | Driveway Gates | Walk Gates |
|---|---|---|---|---|---|---|---|---|
| [illegible] | Rt | | [illegible] | | | | | |
| 30+65 | Rt | 30 | | | | | | |
| 56+80 | Rt | 30 | | | | | | |
| 100+40 | Rt | 30 | | | | | | |
| 114+50 | Rt | 30 | | | | | | |
| 140+45 | Rt | 30 | | | | | | |
| 141+40 | Rt | 30 | | | | | | |
| 141+40-168+65 | Rt | | 2475 | | | | | |
| 168+35 | Rt | 30 | | | | | | |
| 168+90 | Rt | 25 | | | | | | |
| 168+90-173+40 | Rt | | 450 | | | | | |
| 173+40 | Rt | 30 | | | | | | |
| 178+40 | Rt | 30 | | | | | | |
| 173+40-193+60 | Rt | | 2020 | | | | | |
| 193+60 | Rt | 30 | | | | | | |
| 185+80 | Rt | 30 | | | | | | |
| 188+75 | Rt | 30 | | | | | | |
| ~~190+15~~ | ~~Rt~~ | ~~30~~ | | | | | | |
| 193+80 | Rt | 30 | | | | | | |
| 195+80-252+65 | Rt | | 5785 | | | | | |
| 209+65 | Rt | 35 | | | | | | |
| 210+40 | Rt | 30 | | | | | | |
| 211+05 | Rt | 30 | | | | | | |
| 211+75 | Rt | 30 | | | | | | |
| 214+05 | Rt | 30 | | | | | | |
| 238+40 | Rt | 30 | | | | | | |
| 252+45 | Rt | 30 | | | | | | |
| 258+45-[illegible] | Rt | | 5250 | | | | | |
| 266+20 | Rt | 35 | | | | | | |
| 277+85 | Rt | 35 | | | | | | |
| [illegible] | Rt | 35 | | | | | | |
| [illegible] | Rt | 35 | | | | | | |
| 288+70 | Rt | 35 | | | | | | |
| 300+15 | Rt | 35 | | | | | | |
| 306+40 | Rt | 35 | | | | | | |
| 306+40-307+40 | Rt | | 85 | | | | | |
| 307+40 | Rt | 35 | | | | | | |
| [illegible] | Rt | | 4045 | | | | | |
| [illegible] | Rt | 35 | | | | | | |
| 318+45 | Rt | 35 | | | | | | |

Inked on Gen. Detail Sheet
10/1/1940

---

FENCING REQUIREMENTS Continued

| Sta. to Sta. | Side | Remove | Remove & Rebuild |
|---|---|---|---|
| 332+55 | Rt | 30 | |
| [illegible] | Rt | 25 | |
| 342+65 | Rt | 15 | |
| [illegible] | Rt | | 45 |
| [illegible] | Rt | 15 | |
| | | [illegible] | [illegible] |

Total for F.A.P. 295-C(2)

Required and New Treated Wooden Posts

Not good Posts

Need [illegible] New

---

FENCING REQUIREMENTS FOR F.A.P. 295-C(2)
Revised 9-30-40 to shorten

Project to Sta 461+00. (C.R.S.)

| Sta. to Sta. | Side | Remove | Remove & Rebuild | Build B.W. | B.W. Gates | Line Posts |
|---|---|---|---|---|---|---|
| 350+55 | Rt | 30 | | | | |
| 350+55-358+80 | Rt. | | 325 | | | |
| 358+80 | Rt | 30 | | | | |
| 359+40 | Rt. | 30 | | | | |
| 359+40-383+40 | Rt | | 2400 | | | |
| 379+80 | Rt | 30 | | | | |
| 383+28 | Rt. | 30 | | | | |
| 383+40 | Rt. | 30 | | | | |
| 383+55-385+65 | Rt. | | 210 | | | |
| 387+10-412+70 | Rt | | 2560 | | | |
| 400+85 | Rt | 30 | | | | |
| 412+70 | Rt | 30 | | | | |
| 417+05 | Rt | 30 | | | | |
| 417+05-440+50 | Rt | | 2345 | | | |
| [illegible] | Rt | 30 | | | | |
| [illegible] | Rt | 30 | | | | |
| 440+50-461+00 | Rt | 2050 | | | | |
| 440+50-461+00 | Rt. | | | 2050 | 1. | |
| 440+60 | Rt | | | | | |
| Total FAP295-B-2. | | 1125 | 32160 | | | 550 |
| " FAP295-C-2. | | 2420 | 8340 | 2050 | 1. | 125 |
| Combined Total. | | 3545 | 40500 | 2050 | 1. | 675 |

Ref. 458. Post. C Section
339 Good Posts
114 Needed
11 [illegible]
125

---

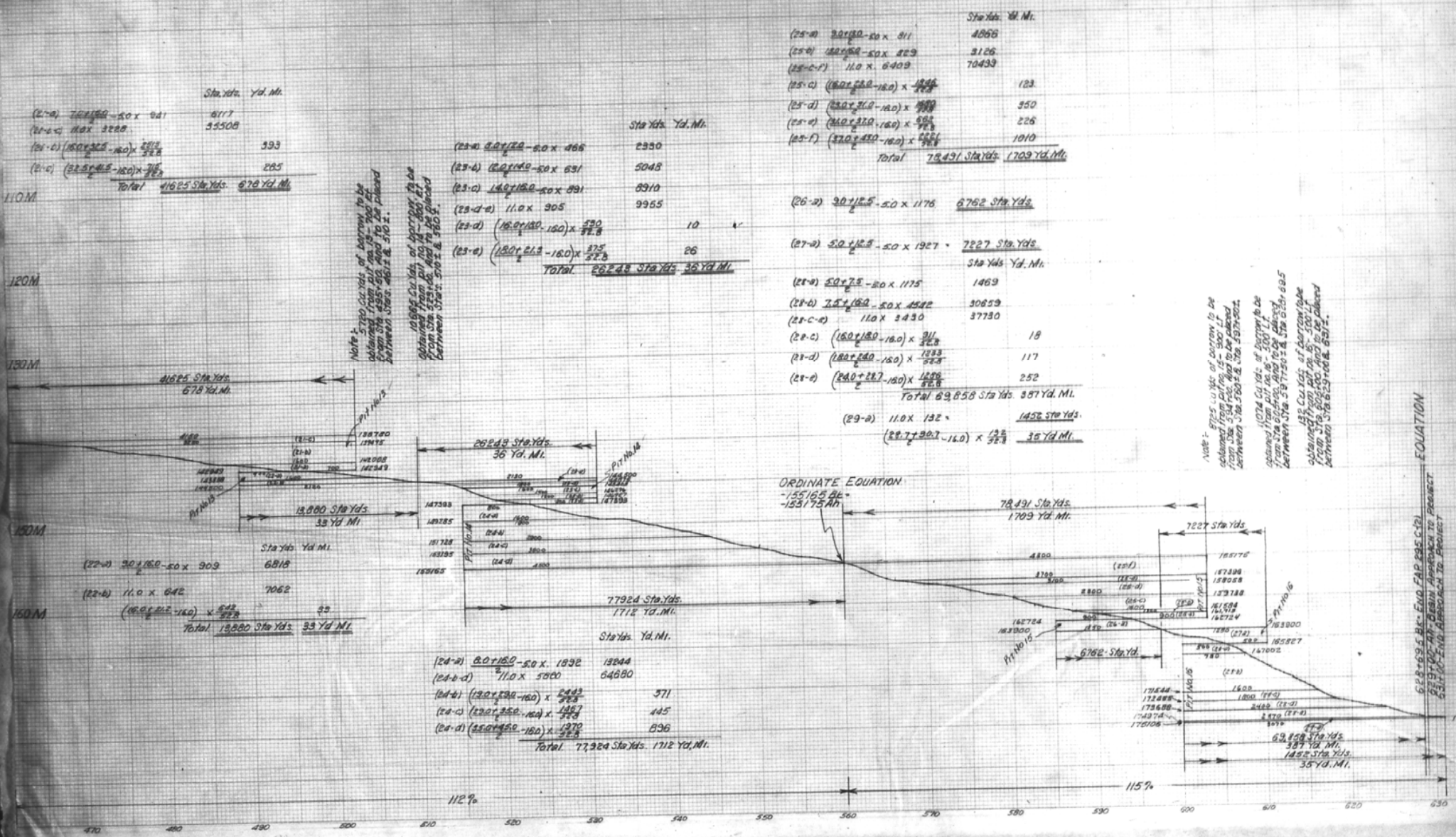
FENCING REQUIREMENTS For F.A.P. 295-C-2 CRS. 9-19-40

| Sta. to Sta. | Side | Remove | Remove & Rebuild | Build B.W. No Fed. Aid | Build Comb. | B.W. Gates No Fed. Aid | Driveway Gates | Walk Gates |
|---|---|---|---|---|---|---|---|---|
| 350+55 | Rt | 30 | | | | | | |
| 350+55-358+80 | Rt | | 325 | | | | | |
| 358+80 | Rt | 30 | | | | | | |
| 359+40 | Rt | 30 | | | | | | |
| 359+40-383+40 | Rt | | 2400 | | | | | |
| 379+80 | Rt | 30 | | | | | | |
| 383+28 | Rt | 30 | | | | | | |
| 383+40 | Lt | 30 | | | | | | |
| 383+55-385+65 | Rt | | 210 | | | | | |
| 387+10-412+70 | Rt | | 2560 | | | | | |
| 400+85 | Rt | 30 | | | | | | |
| 412+70 | Rt | 30 | | | | | | |
| 417+05 | Rt | 30 | | | | | | |
| 417+05-440+50 | Rt | | 2345 | | | | | |
| [illegible] | Rt | 30 | | | | | | |
| [illegible] | Rt | 30 | | | | | | |
| [illegible] | Rt | 1760 | | [illegible] | | | | |
| [illegible] | Rt | | | | | | | |
| [illegible] | Rt | [illegible] | | | | | | |
| [illegible] | Rt | 10 | | | | | | |
| [illegible] | Rt | 1380 | | [illegible] | | | | |
| [illegible] | Rt | | | | | | | |
| 495+85 | Rt | | | | | | | |
| 507+80-522+75 | Rt | | 1490 | | | | | |
| 522+75 | Rt | 30 | | | | | | |
| 528+30 | Rt | 30 | | | | | | |
| 528+30-578+00 | Rt | | 4970 | | | | | |
| 534+25 | Rt | 30 | | | | | | |
| 536+80 | Rt | 30 | | | | | | |
| 536+80 | Rt | 30 | | | | | | |
| 537+90 | Rt | 30 | | | | | | |
| 548+65 | Rt | 30 | | | | | | |
| 562+00 | Rt | 35 | | | | | | |
| 573+00 | Rt | 40 | | | | | | |
| 577+35 | Rt | 30 | | | | | | |
| 577+75-628+85 | Rt | | 5075 | | | | | |
| [illegible] | Rt | 30 | | | | | | |
| 606+45 | Rt | 30 | | | | | | |
| 607+80 | Rt | 30 | | | | | | |

See Revised Sheet. CRS. 9-30-40

Total for FAP. 295 C (2)
Remove 4885'
Remove & Rebuild 19,875' = 994 Posts
Build B.W. 5980' } No Fed. Aid
Build BW Gates 2
902 good Posts Req'd 100 New Posts
Approach to Proj.
628+00-629+00 Rt Remove & Rebuild 100' fence.

[illegible] 9/20/40


Sta. Yds. Yd. Mi.
(21-a) 7.0+15.0 / 2 - 5.0 x 941 6117
(21-b-c) 11.0 x 3228 35508
(21-d) (16.0+32.5 / 2 - 16.0) x 2615 / 32.8 393
(21-e) (32.5+41.5 / 2 - 16.0) x 715 / 32.8 265
Total 41625 Sta. Yds. 678 Yd. Mi.
110 M
120 M
130 M
140 M
150 M
160 M
Note: 5720 Cu. Yds. of borrow to be obtained from pit no. 13 - 700 LF. from Sta. 495+00, and to be placed between Sta. 486+15 & 510±.
10696 Cu. Yds. of borrow to be obtained from pit no. 14 - 800 LF. from Sta. 529+00, and to be placed between Sta. 510± & 560±.
41625 Sta. Yds.
678 Yd. Mi.
26248 Sta. Yds.
36 Yd. Mi.
15880 Sta. Yds.
33 Yd. Mi.
Sta. Yds. Yd. Mi.
(22-a) 9.0+16.0 / 2 - 5.0 x 909 6818
(22-b) 11.0 x 642 7062
(16.0+21.2 / 2 - 16.0) x 642 / 32.8 33
Total 15880 Sta. Yds. 33 Yd. Mi.
Sta. Yds. Yd. Mi.
(23-a) 8.0+12.0 / 2 - 5.0 x 466 2330
(23-b) 12.0+14.0 / 2 - 5.0 x 631 5048
(23-c) 14.0+16.0 / 2 - 5.0 x 891 8910
(23-d-e) 11.0 x 905 9955
(23-d) (16.0+18.0 / 2 - 16.0) x 530 / 32.8 10
(23-e) (18.0+21.5 / 2 - 16.0) x 375 / 32.8 26
Total 26248 Sta. Yds. 36 Yd. Mi.
Sta. Yds. Yd. Mi.
(24-a) 8.0+16.0 / 2 - 5.0 x. 1832 13244
(24-b-d) 11.0 x 5800 64880
(24-b) (13.0+23.0 / 2 - 16.0) x 2443 / 32.8 371
(24-c) (23.0+35.0 / 2 - 16.0) x 1467 / 32.8 445
(24-d) (35.0+45.0 / 2 - 16.0) x 1370 / 32.8 896
Total 77924 Sta. Yds. 1712 Yd. Mi.
ORDINATE EQUATION
-155165 Be
-153175 Ah
78491 Sta. Yds.
1709 Yd. Mi.
77924 Sta. Yds.
1712 Yd. Mi.
7227 Sta. Yds.
6762 Sta. Yd.
Pit No. 13
Pit No. 14
Pit No. 15
Pit No. 16
112%
115%
470
480
490
500
510
520
530
540
550
560
570
580
590
600
610
620
630
Sta. Yds. Yd. Mi.
(25-a) 9.0+13.0 / 2 - 5.0 x 811 4866
(25-b) 12.0+15.0 / 2 - 5.0 x 829 9126
(25-c-f) 11.0 x 6409 70439
(25-c) (16.0+22.0 / 2 - 16.0) x 1846 / 32.8 123
(25-d) (22.0+27.0 / 2 - 16.0) x 1889 / 32.8 350
(25-e) (27.0+32.0 / 2 - 16.0) x 685 / 32.8 226
(25-f) (32.0+43.0 / 2 - 16.0) x 2661 / 32.8 1010
Total 78491 Sta. Yds. 1709 Yd. Mi.
(26-a) 9.0+12.5 / 2 - 5.0 x 1176 6762 Sta. Yds.
(27-a) 5.0+12.5 / 2 - 5.0 x 1927 7227 Sta. Yds.
Sta. Yds. Yd. Mi.
(28-a) 5.0+7.5 / 2 - 5.0 x 1175 1469
(28-b) 7.5+16.0 / 2 - 5.0 x 4542 30659
(28-c-e) 11.0 x 3430 37730
(28-c) (16.0+18.0 / 2 - 16.0) x 311 / 32.8 18
(28-d) (18.0+24.0 / 2 - 16.0) x 1233 / 32.8 117
(28-e) (24.0+28.7 / 2 - 16.0) x 1286 / 32.8 252
Total 69858 Sta. Yds. 387 Yd. Mi.
(29-a) 11.0 x 132 1452 Sta. Yds.
(28.7+30.7 / 2 - 16.0) x 125 / 32.8 35 Yd. Mi.
Note: 8725 Cu. Yds. of borrow to be obtained from pit no. 15 - 900 L.F. from Sta. 560+00, and to be placed between Sta. 590+00 & Sta. 630±.
10724 Cu. Yds. of borrow to be obtained from pit no. 16 - 1000 L.F. from Sta. 610+00, and to be placed between Sta. 590±00 & Sta. 630±.
198 Cu. Yds. of borrow to be obtained from pit no. 16 - 1000 L.F. from Sta. 610+00, and to be placed between Sta. 629+00 & 631±.
69858 Sta. Yds.
387 Yd. Mi.
1452 Sta. Yds.
35 Yd. Mi.
EQUATION
628+69.5 BK. EQ. FAP 235 (12)
629+00 AH. BEGIN APPROACH TO PROJECT
631+00 END APPROACH TO PROJECT