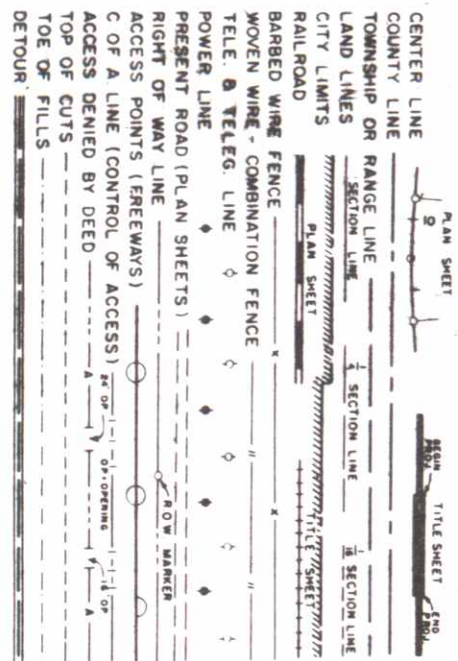


CONVENTIONAL SIGNS



TABULATION OF LENGTH AND DESIGN DATA

| STATION                                                         | ROADWAY        |
|-----------------------------------------------------------------|----------------|
| 10+12 ~ BEGIN S 0133(1) + 12+12<br>OF STA 373+38.0 ON FAD 251-C | 843.4          |
| EQUATION 0+55.4 BK =<br>0+33.4 AH.                              | 4569.3         |
| EQUATION 74+22.7 BK =<br>74+18.8 AH.                            | 324.3          |
| EQUATION 77+43.1 BK =<br>77+43.3 AH.                            | 1435.6         |
| EQUATION 91+70.9 BK =<br>91+70.7 AH.                            | 1204.9         |
| EQUATION 103+03.6 BK =<br>103+03.7 AH.                          | 2216.3         |
| 126+00 ~ END S 0133(1)                                          |                |
| TOTALS                                                          | 12,593.8       |
| SUMMARY                                                         | LIN. FT. MILES |
| ROADWAY                                                         | 12,593.8 2.385 |
| GROSS AND NET LENGTH                                            | 12,593.8 2.385 |
| DESIGN DATA                                                     |                |
| MAXIMUM DEGREE OF CURVE                                         | 5°00'          |
| MAXIMUM GRADE                                                   | 4.690%         |
| MINIMUM S.S.D. HORIZONTAL                                       | 635'           |
| MINIMUM S.S.D. VERTICAL                                         | 295'           |
| MAXIMUM DESIGN SPEED                                            | 50 MPH         |

\* 40 MPH from STA. 0+50 to STA. 1+50.

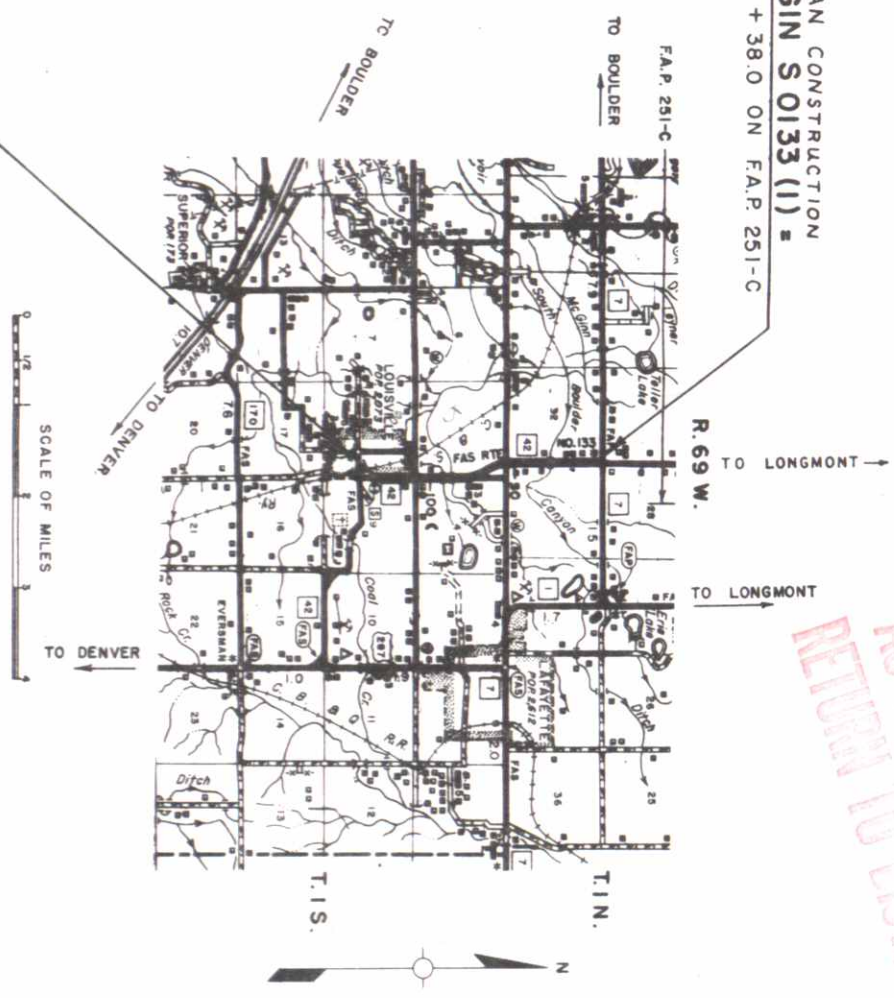
DEPARTMENT OF HIGHWAYS  
STATE OF COLORADO

PLAN AND PROFILE OF CONSTRUCTED  
FEDERAL AID PROJECT NO. S 0133 (1)  
STATE HIGHWAY NO. 42  
BOULDER COUNTY

CONTRACTOR  
FLATRION PAVING CO.  
RESIDENT ENGR.  
GEO. DANFORTH JR.  
DATE COMPLETED  
DECEMBER 19, 1966

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

BEGAN CONSTRUCTION  
STA. 0+12 BEGIN S 0133 (1) =  
12' RT. OF STA. 373+38.0 ON F.A.P. 251-C



AS CONSTRUCTED  
REVISED DATE DEC. 19, 1966

INDEX OF SHEETS

- 1 SKETCH MAP, TITLE PAGE AND TABULATION OF LENGTH AND DESIGN DATA.
- 2 TYPICAL CROSS SECTIONS AND GENERAL NOTES.
- 3-4 SUMMARY OF FINAL QUANTITIES.
- 5-9 STRUCTURE QUANTITIES, FINAL
- 10 FENCING TABULATION, DELINEATORS, CURB TYPE 6, BITUMINOUS SLOPE AND DITCH PAVING, R.O.W. MARKERS, AND GUARD RAIL TABULATION.
- 11 SURFACING PLAN, SUBBASE PLAN, AND TABULATION OF EARTHWORK
- 12 DETAILS OF 8'x4' CONCRETE BOX CULVERT, DRY RUBBLE SLOPE AND DITCH PAVING AND CONCRETE SLOPE AND DITCH PAVING (REINFORCED) STA. 89+46; DETAILS OF 60" CORRUGATED STEEL PIPE, DRY RUBBLE SLOPE AND DITCH PAVING AND CONCRETE SLOPE AND DITCH PAVING (REINFORCED) STA. 29+03; DETAIL OF DRY RUBBLE SLOPE AND DITCH PAVING STA. 21+28; DETAIL OF CONCRETE SLOPE AND DITCH PAVING; DETAIL OF DIKED DITCH STA. 104+ TO 126+
- 13 DETAILS OF CONCRETE DIVISION BOXES.
- 14 DETAIL FOR HEADWALL REMOVAL, DETAILS OF CONCRETE DIVISION BOXES.
- 15-16 ALIGNMENT PLAN AND PROFILE FOR IRRIGATION DITCH LT. STA. 104+ TO 126+.
- 17 DETAILS OF INTERSECTION AT STA. 70+.
- 18-22 ALIGNMENT PLAN AND PROFILE.
- 23-65 ROADWAY CROSS SECTIONS.
- 66-73 STRUCTURE CROSS SECTIONS.
- 74-88 PIT CROSS SECTIONS

- M-203-A SUPERELEVATION AND WIDENING OF CURVES - CROWNED HIGHWAYS
- M-203-B APPROACH ROADS, FLARING, CUT SLOPE TREATMENT, BRIDGE AND SREST WIDENING
- M-203-C DITCH TYPES
- M-206-A EXCAVATION AND BACKFILL FOR STRUCTURES ( 2-SHEETS )
- M-601-A SINGLE AND DOUBLE CONCRETE BOX CULVERTS
- M-601-D WINGWALLS FOR CONCRETE BOX CULVERTS ( 2:1 SLOPE )
- M-601-H TYPE "G" HEADWALLS
- M-603-A REINFORCED CONCRETE PIPE
- M-606-A GUARD RAIL
- M-607-A WIRE FENCES AND GATES (SHEET )
- M-609-A CURBS AND GUTTERS (2-SHEETS)
- M-612-A MARKER POSTS AND BENCH MARKS
- M-612-C DELINEATORS (2-SHEETS)
- M-614-1A CONSTRUCTION IDENTIFICATION SIGNS
- M-614-1B TRAFFIC SIGNING FOR
- M-615-A HIGHWAY CONSTRUCTION (3-SHEETS) 7-1-65
- M-615-A EMBANKMENT PROTECTORS (2-SHEETS) 5-2-66
- M-616-B CSP SIPHON 4-4-66
- M-617-A CULVERT PIPE 7-1-65
- M-614-A TIMBER BARRICADES 7-1-65

Approved:  
A. Chabaz  
Dist. Const. Engr. Dist. IV  
Date: Feb. 20, 1967

APPROVED:   
CHIEF ENGINEER  
DATE: 2-4-68

APPROVED: \_\_\_\_\_  
DIVISION ENGINEER  
DATE: \_\_\_\_\_

DEPARTMENT OF HIGHWAYS  
STATE OF COLORADO

DEPARTMENT OF COMMERCE  
BUREAU OF PUBLIC ROADS





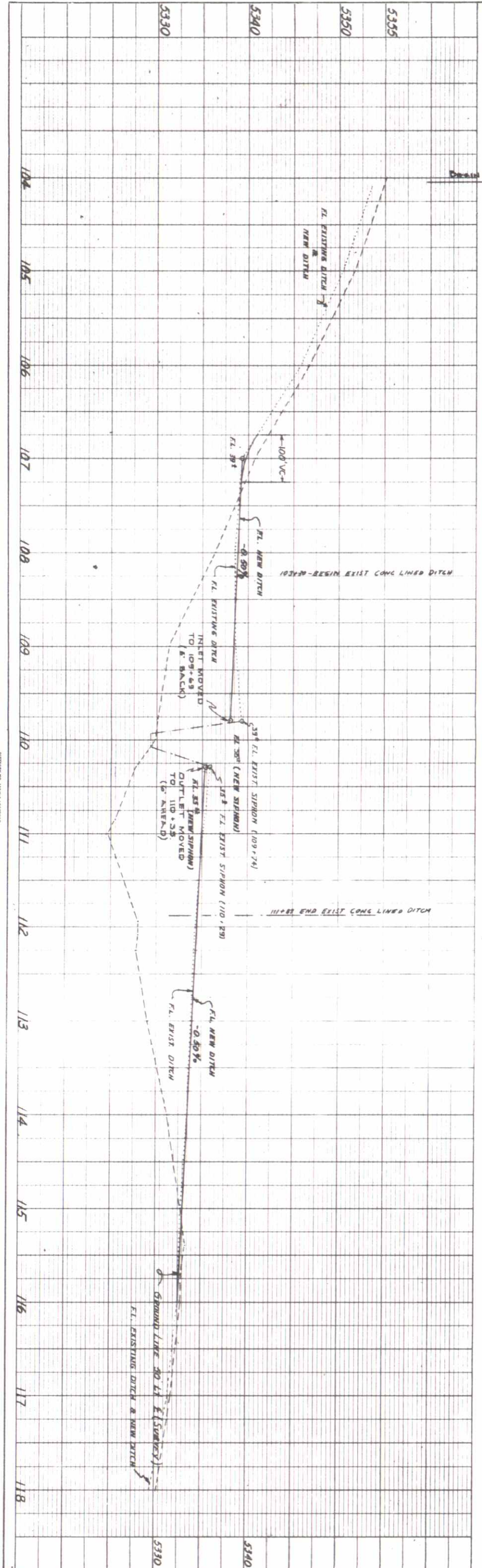
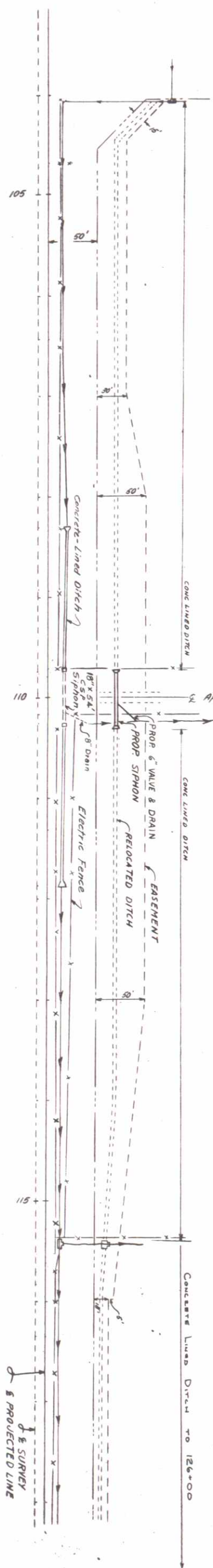
IRRIGATION DITCH STA 104+ - STA 126+

NOT CONSTRUCTED  
REVISED DATE 12/19/66

| FEDERAL ROAD | DIVISION | PROJECT NO. | SHEET NO. |
|--------------|----------|-------------|-----------|
| REGION NO.   | COLORADO | 50133(11)   | 15/88     |

|           |                    |    |      |
|-----------|--------------------|----|------|
| PLAN      | SURVEYED           | BY | DATE |
| NOTE BOOK | PLOTTED            |    |      |
| NO. 27036 | ALIGNMENT CHECKED  |    |      |
|           | RT. OF WAY CHECKED |    |      |

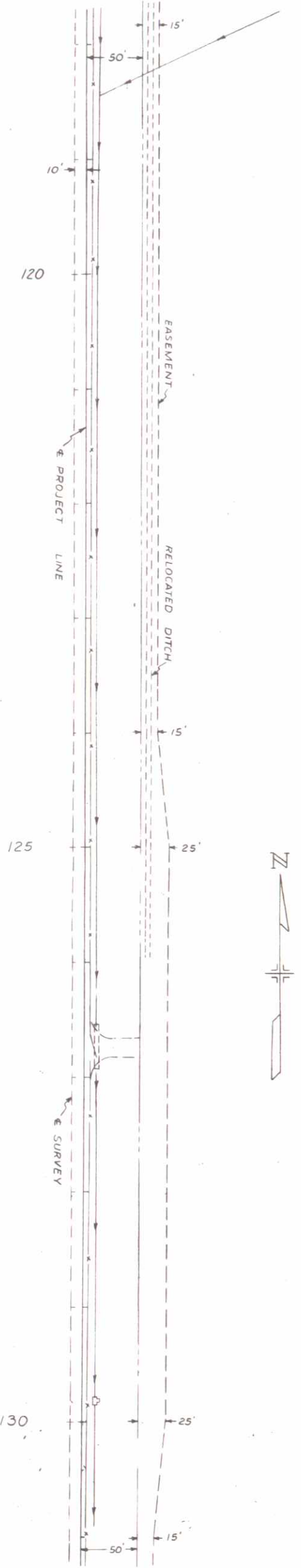
|           |                          |    |      |
|-----------|--------------------------|----|------|
| PROFILE   | SURVEYED                 | BY | DATE |
| NOTE BOOK | PLOTTED                  |    |      |
| NO. 24    | GRADES CHECKED           |    |      |
|           | 8" X 8" NOTES            |    |      |
|           | STRUCTURE NOTATION CHKD. |    |      |





|           |                    |    |    |
|-----------|--------------------|----|----|
| PLAN      | SURVEYED           | BY | CS |
| NOTE BOOK | PLOTTED            |    |    |
| NO. 27036 | ALIGNMENT CHECKED  |    |    |
|           | ST. OF WAY CHECKED |    |    |

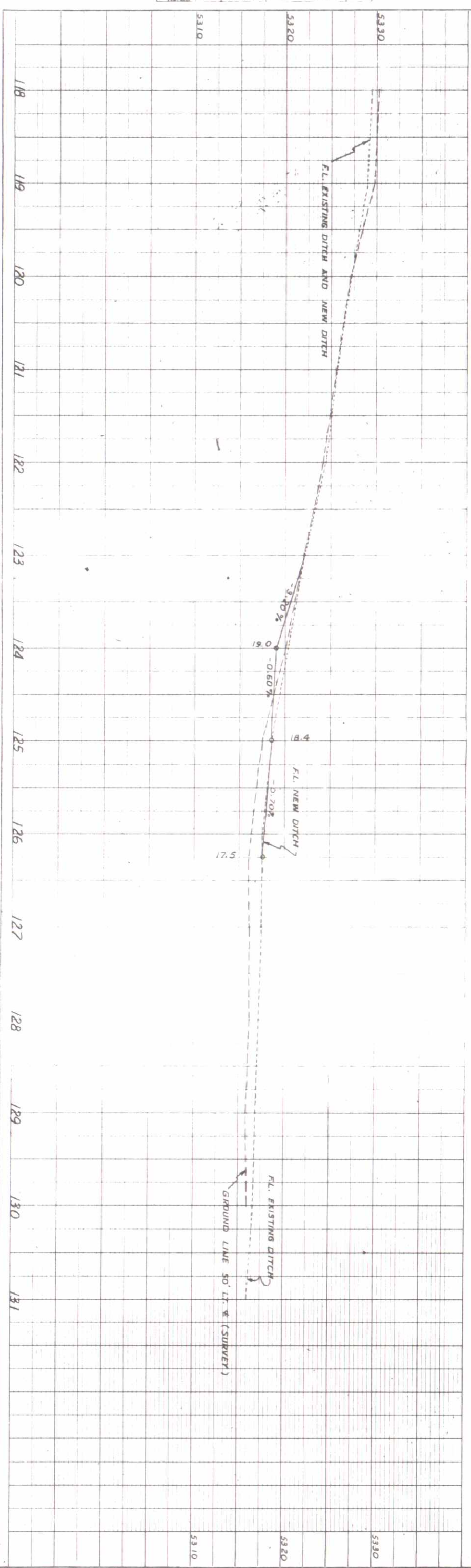
|           |                             |      |
|-----------|-----------------------------|------|
| PGP       | 760                         | 23 R |
| NOTE BOOK | SALES CHECKED               |      |
| NO. 27036 | STRUCTURE NOTATIONS CHECKED |      |



IRRIGATION DITCH STA. 104+ TO STA. 126 +

AS CONSTRUCTED  
REVISED DATE 12/19/66

| SECTION NO. | DIVISION | PROJECT NO. | SHEET NO. |
|-------------|----------|-------------|-----------|
| 9           | COLORADO | SO133(1)    | 16/86     |

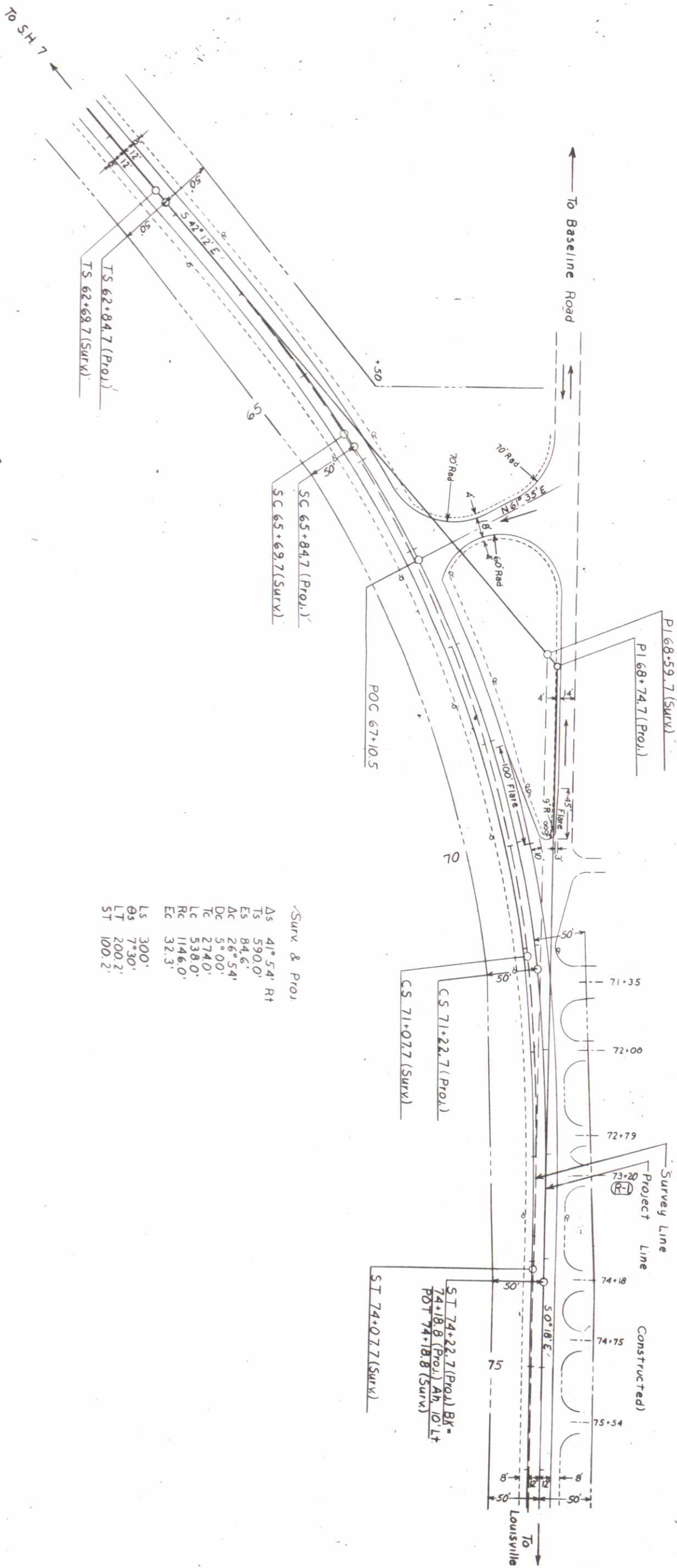


DETAILS OF INTERSECTION STA. 67+ ~ 70+  
AS CONSTRUCTED  
REVISED DATE 12/19/66

| FEDERAL ROAD DISTRICT | PROJ. NO. | SHEET NO. | TOTAL SHEETS |
|-----------------------|-----------|-----------|--------------|
| 9 COLORADO            | SO133(1)  | 17        | 88           |

Rev. 6-22-66 TAL (R-I)

Proj. Line  
Surv. Line  
Shoulder Line  
Delineator



Surv & Proj

|    |            |
|----|------------|
| Δs | 41° 54' Rt |
| TS | 590.0'     |
| ES | 84.6'      |
| Δc | 26° 54'    |
| DC | 5° 00'     |
| Tc | 274.0'     |
| Lc | 538.0'     |
| Rc | 1146.0'    |
| Ec | 32.3'      |
| LS | 300'       |
| Θs | 7° 30'     |
| LT | 200.2'     |
| ST | 100.2'     |



|           |                    |      |
|-----------|--------------------|------|
| PROFILE   | SURVEYED           | DATE |
| NOTE BOOK | PLOTTED            |      |
| NO. 27036 | ALIGNED            |      |
| NO. 27036 | CHECKED            |      |
| NO. 27036 | RE. OF WAY CHECKED |      |
| NO. 27036 |                    |      |

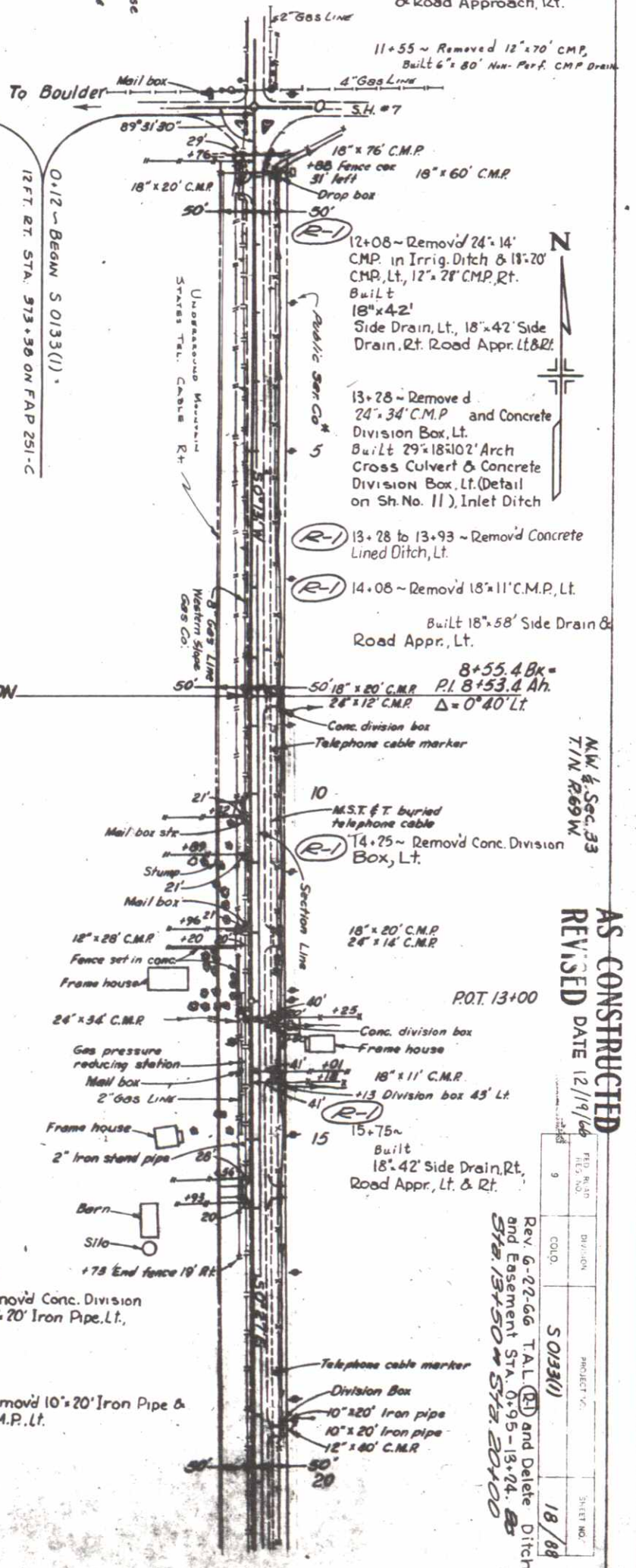
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|-----------|--------------------|------|
| PLAN      | SURVEYED           | DATE |
| NOTE BOOK | PLOTTED            |      |
| NO. 27036 | ALIGNED            |      |
| NO. 27036 | CHECKED            |      |
| NO. 27036 | RE. OF WAY CHECKED |      |
| NO. 27036 |                    |      |

JUL 7 1988

Note: Alignment and Grades as shown were subject to modification during construction after approval by the Denver Office.

Soil Data shown on the plans was obtained from the best available testing laboratory information. This information is shown for the convenience of the contractor and the Department does not guarantee the accuracy of these tests. If material not conforming to the data on plans was encountered during construction, the grading plan shown on plans was modified where necessary to secure dense stable embankments.

- 0+ Identification Sign, Rt. (State Forces)
- 0+64 ~ Removed 18" x 76" C.M.P. Built 24" x 78" Cross Culvert, Ditches
- 0+90 ~ Removed Conc. Drop Box, Lt. & 30" x 60" C.M.P. Built 30" x 102" Cross Culvert, Concrete Drop Box, Lt. (Details on Sh. No. 11), Inlet Ditch, 18" x 28" Culvert pipe under irrig. Ditch.
- (R-1) 1+13 ~ Removed 18" x 20" C.M.P. Rt. & Lt. Built 22" x 13" x 65" Side Drain extending over 30" Cross Culvert, Road Approach, Rt.
- (R-1) 8+60 ~ Removed 18" x 20" C.M.P. Side Drain, 24" x 12" C.M.P. Side Drain in Irrigation Ditch, Lt. Built 18" x 42" Side Drain Road Approach, Lt.
- (R-1) 8+75 ~ Removed Concrete Division Box, Lt.
- 10+22 ~ Built 18" x 42" Side Drain & Road Approach, Rt.



B.M. #1 5268.11 3rd pole west of Sta. 0+00 North Fence Line

B.M. #2 5267.75 First Pole East of intersection on North Side

B.M. #3 5274.04 Sta. 5+00 40' Lt. Nail in P. Pole

B.M. #4 5278.11 Sta. 10+90 40' Lt. Nail in P. Pole

B.M. #5 5271.14 Sta. 16+90 40' Lt. Nail in P. Pole

EQUATION

10+ to 14+ ~ Shrubs and Trees were cleared & grubbed.

AS CONSTRUCTED  
REVISED DATE 12/19/86

Rev. 6-22-86 T.A.L. (R) and Delete Ditch and Easement Sta. 0+95-13+24. B. Sta. 13+50 to Sta. 20+00

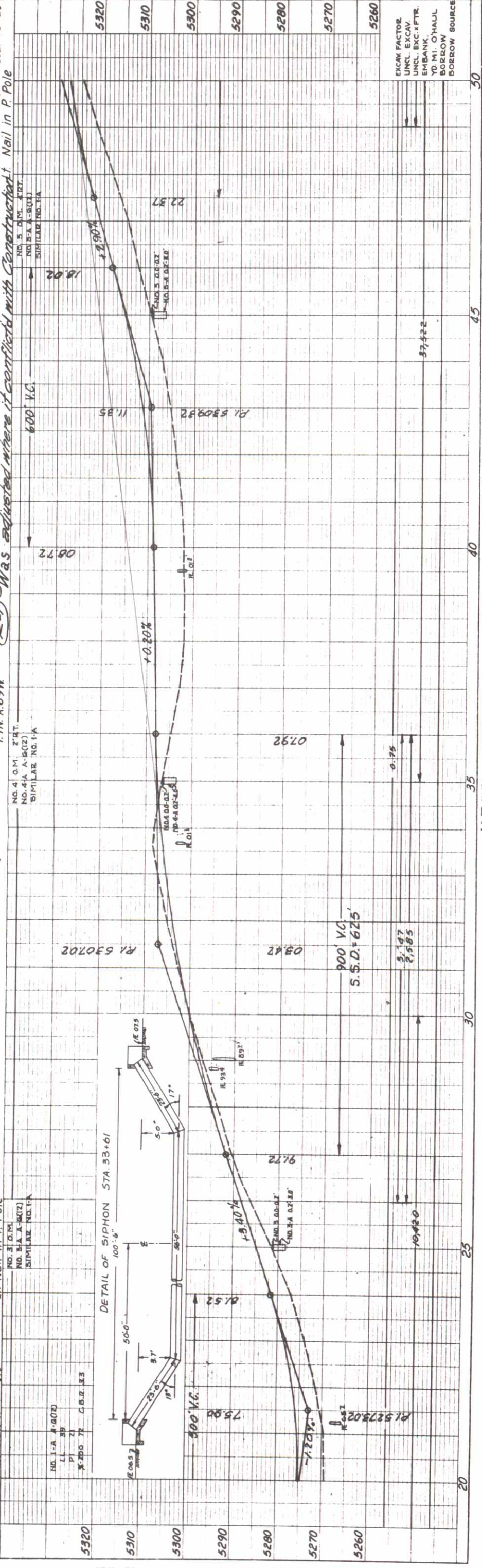
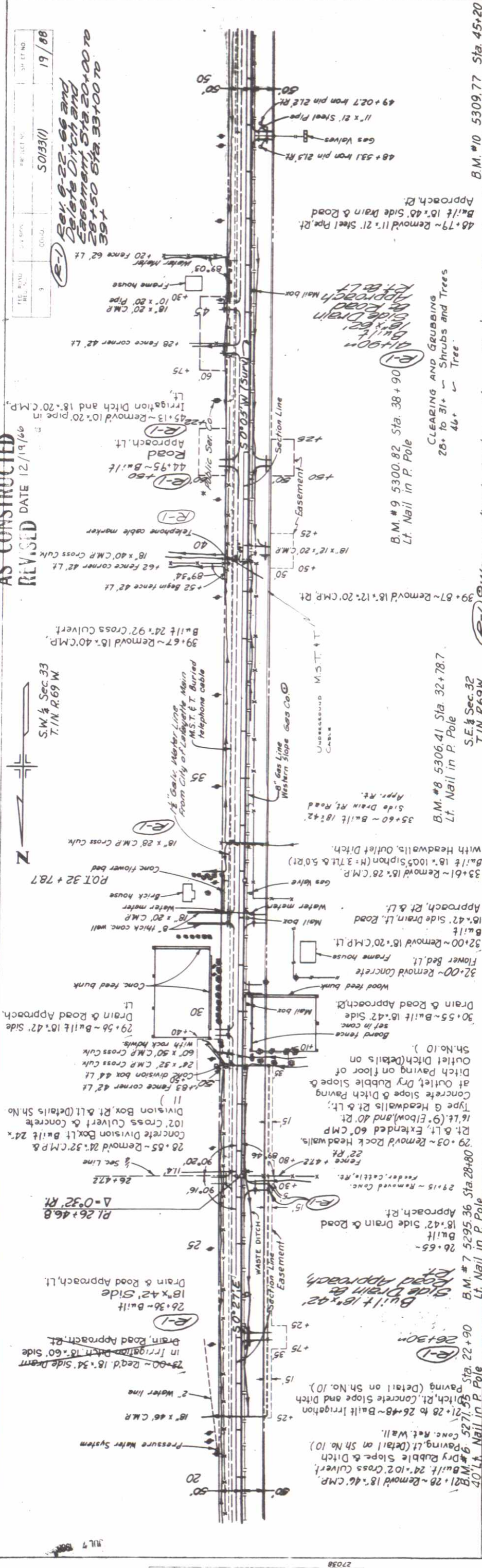
EXCAV. FACTOR  
UNCL. EXCAV.  
UNCL. EXCAV.  
EMBANK.  
YD. MI. O'HAUL  
BORROW SOURCE



AS CONSTRUCTED  
REVISED DATE 12/19/66

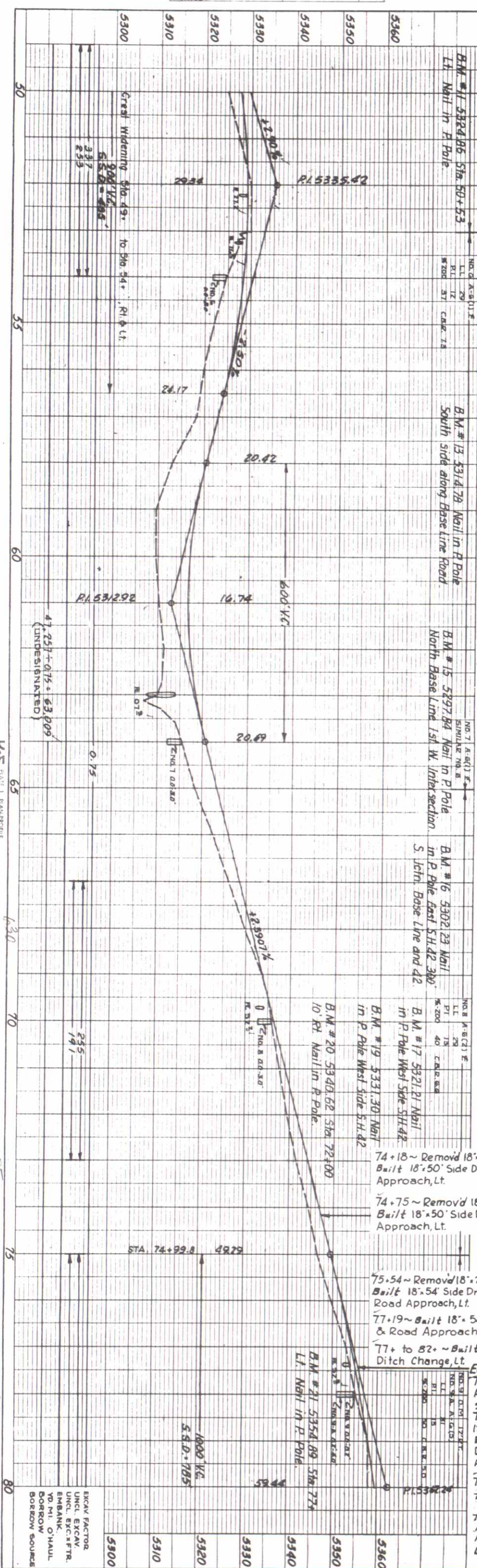
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|-------------|----------|-----------|-------|
| PROJECT NO. | 50133(1) | SHEET NO. | 19/88 |
| DATE        | 12/19/66 |           |       |

REV. 8-22-66 and  
Delete Ditch and  
Easement Sta 20+00 to  
28+50 B.Y. 53+00 to  
35+00



|               |              |                 |         |                |        |        |
|---------------|--------------|-----------------|---------|----------------|--------|--------|
| EXCAV. FACTOR | UNCL. EXCAV. | UNCL. EXC. FTR. | EMBANK. | YD. MI. O'HAUL | BORROW | SOURCE |
|               |              |                 |         |                |        |        |





(R-1)  
52+23 ~ Removed 18" x 54" C.M.P. &  
Concrete Division Box, Lt., Built  
24" x 118" Cross Culvert, Conc. Div. Box, Ditch.  
50+48 ~ 52+25 Built Conc.  
Lined Ditch, Lt.

Lowered Roadway  
Tech, Lt.



88  
lete

(R-1) Was Adjusted Where it Conflicted With Construction

AS CONSTRUCTED  
NW 1/4 Sec. 4  
T.15. R.69W. Q.1W. 3RD DATE 12/19/6

Rev. 6-22-66 TAL (R-1) And Deleted  
Ditches & Easements

|             |           |
|-------------|-----------|
| PROJECT NO. | SHEET NO. |
| 50133(1)    | 20/88     |

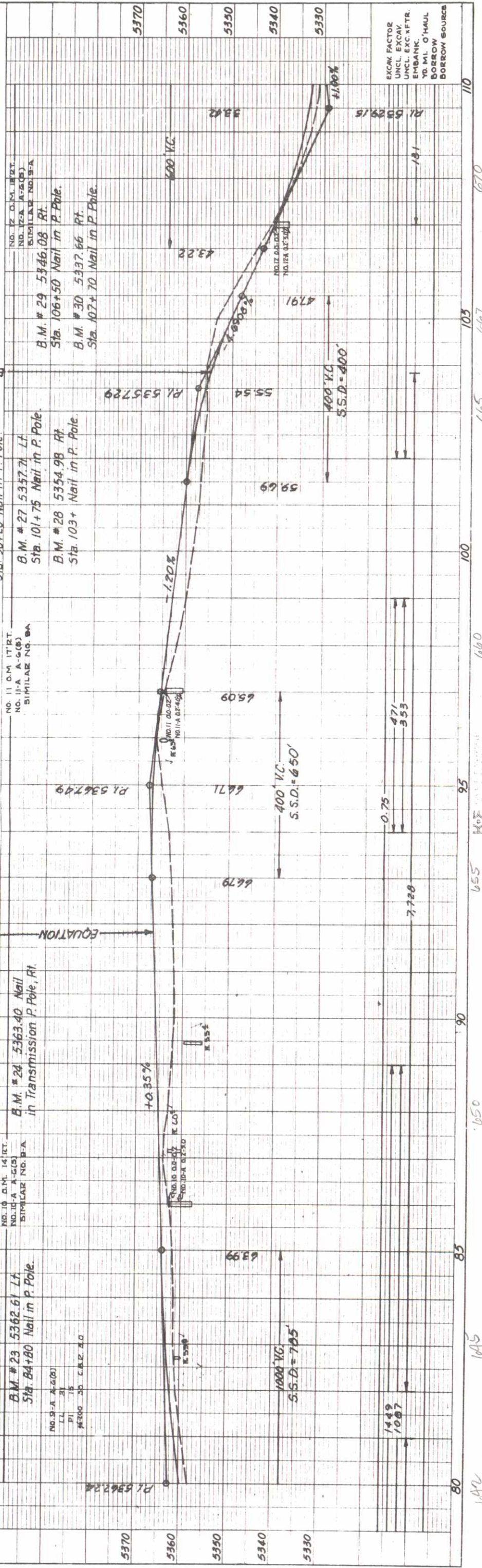
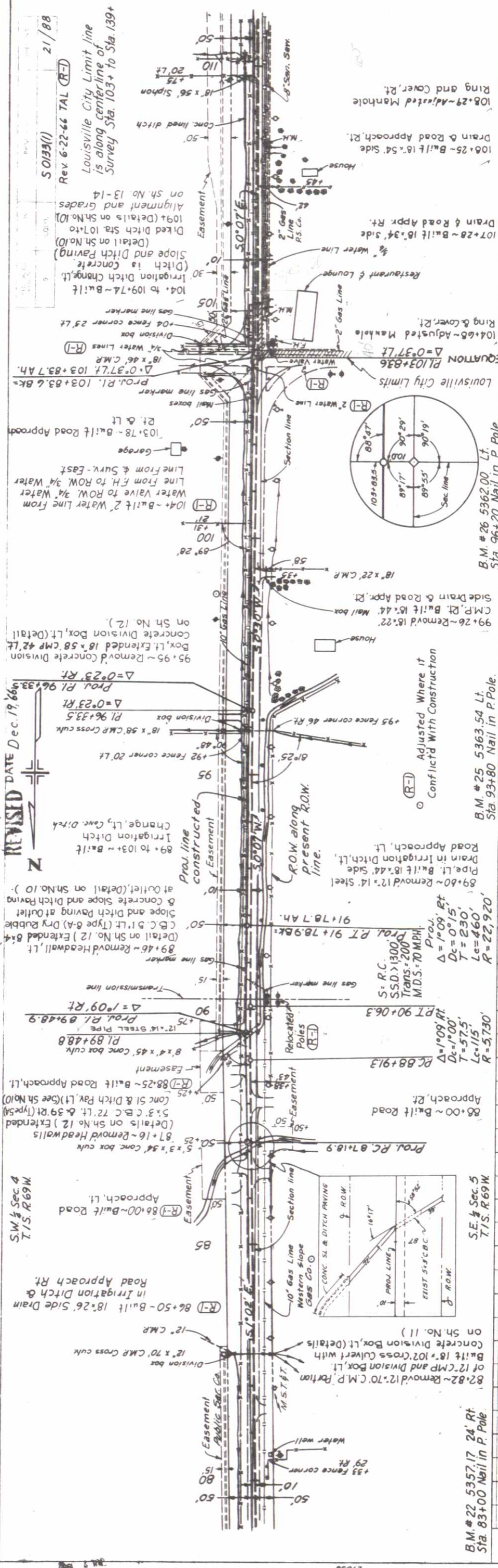


AS CONSTRUCTED

REVISED DATE Dec. 19, 1966

SO139(1)  
Rev. 6-22-66 TAL (R-D)  
21/88

Louisville City Limit line  
is along centerline of  
Survey Sta. 103+ to Sta. 139+



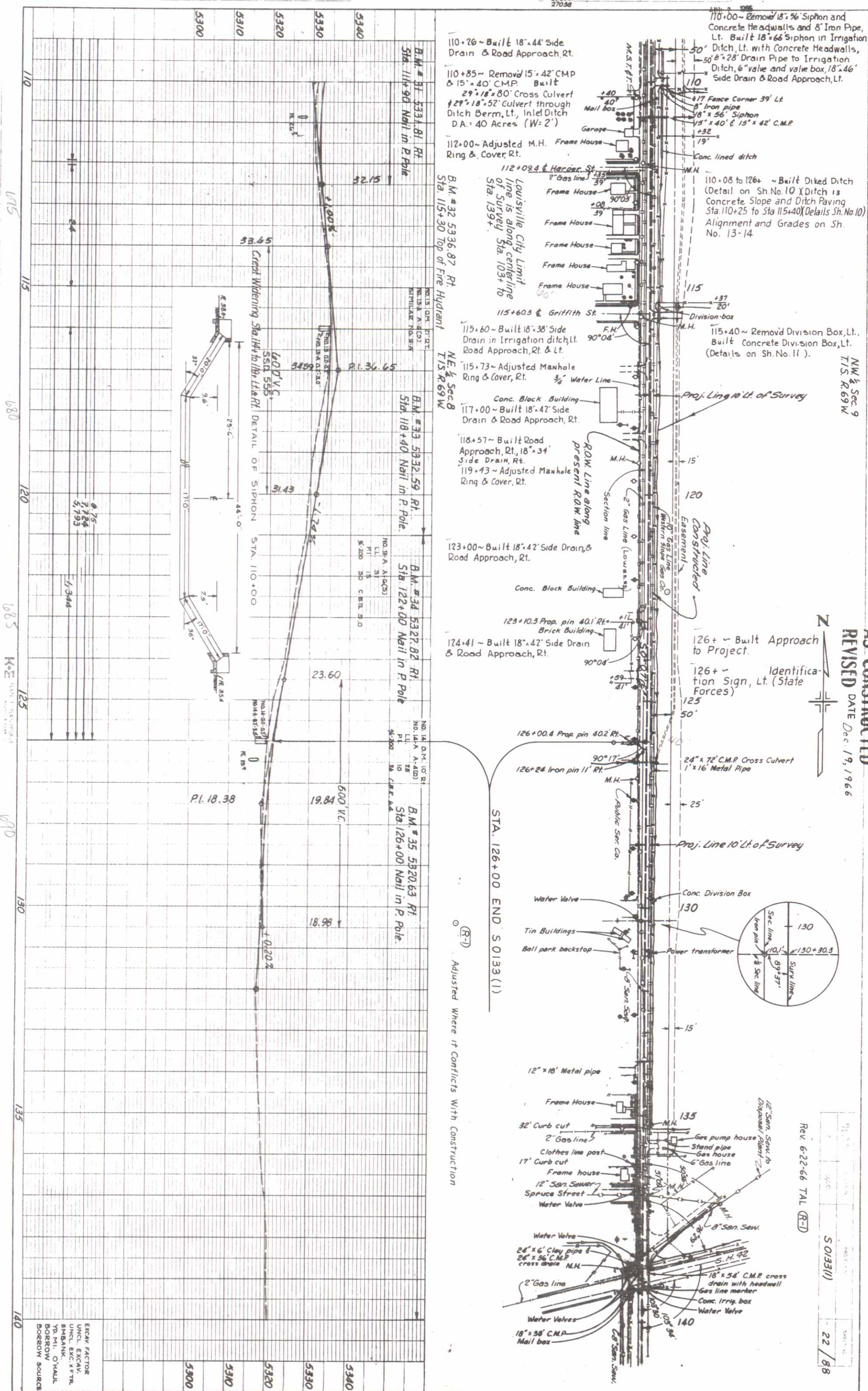
80 85 90 95 100 105 110  
645 650 655 660 665 670

EXCAV. FACTOR  
UNCL. EXCAV.  
UNCL. EXC. KTR.  
EMBANK.  
YD. M.L. O'HAIL  
BORROW SOURCE



## PLAN

NOTE BOOK  
NO 27036  
27035  
27038



AS CONSTRUCTED  
REVISED DATE Dec. 19, 1966

Rev. 6-22-66 TAL (R-1)

S 0133(1) - 22 / 88

$$22 \overline{) 88}$$

MP 2.65