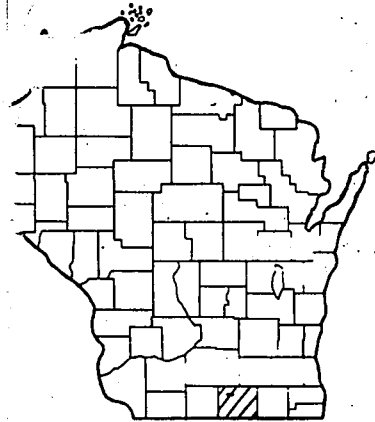


# Index of Sheets

|                   |                                              |
|-------------------|----------------------------------------------|
| Sheet No. 1       | Title                                        |
| Sheet No. 2-2.1   | Typical Cross Sections                       |
| Sheet No. 3       | Estimate of Quantities                       |
| Sheet No. 3A      | Miscellaneous Quantities                     |
| Sheet No. 4       | Right of Way Plat                            |
| Sheet No. 4-10    | Plan and Profile Sta. 10+00 to Sta. 75+55.80 |
| Sheet No. 11-11.5 | Standard Details                             |
| Sheet No. 12-16   | Earthwork Estimates                          |
| Sheet No. 17-41   | Cross Sections                               |



## STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

53.6 - 453.0 - 11.8

| Sheet Number | Total Sheets |
|--------------|--------------|
| 1            | 41           |

### PLAN AND PROFILE OF PROPOSED FULTON - MILTON ROAD

(FULTON - U.S.H. 51 SECTION)

C.T.H. M  
ROCK COUNTY

CONTRACT NO. 1  
TYPE: GRADING, SUBBASE, BASE AND  
BITUMINOUS CONCRETE PAVEMENT  
CONTRACTOR: RAEMISCH CONSTRUCTION COMPANY  
PROJECT ENGINEER: KIRK KONKEL  
YEAR CONSTRUCTED: JUNE 22, 1970 - OCTOBER 8, 1970

Equation: 15+88.1 BK. =  
15+87.4 AH.

STA. 12+00 S 0453(8) =  
STA. 2+00 BEGIN PROJ. S 0453(3)

BEGIN PROJECT S 0453(8) / 3656-2-70  
STA. 10+00

962' E. and 865' S. of the W. 1/4 Cor., Sec. 18, T 4 N, R 12 E.

| PROJECT IDENTIFICATION NUMBER | FEDERAL PROJECT DESIGNATION |
|-------------------------------|-----------------------------|
| 3656-2-70                     | S 0453(8)                   |

SCALES { PLAN 1 IN. = 100 FT.  
PROFILE HOR. 1 IN. = 100 FT. VERT. 1 IN. = 10 FT.  
CROSS SECTIONS HOR. 1 IN. = 10 FT. VERT. 1 IN. = 10 FT.

END PROJECT S 0453(8) / 3656-2-70  
STA. 75+55.80

1210' E. and 6' N. of the S.W. Cor., Sec. 15, T 4 N, R 12 E.

| DESIGN DESIGNATION |            |
|--------------------|------------|
| ADT 1970           | 840        |
| ADT 1990           | 1080       |
| DHV                | 162        |
| D                  | 50%        |
| T                  | 9.5% (ADT) |
| V                  | 50 mph     |

Sta. 14+71.5 to Sta. 16+32.0  
Exception to Net & Length

Sta. 32+00 S 0453(8) =  
Sta. 22+00 End Project S 0453(3)

#### Conventional Signs

|                           |       |
|---------------------------|-------|
| State Line                | ----- |
| County Line               | ----- |
| Township or Range Line    | ----- |
| Section Line              | ----- |
| New Right of Way Line     | ----- |
| Present Right of Way Line | ----- |
| Wire Fence                | ----- |
| Lot Line                  | ----- |
| Corporate or City Limits  | ----- |
| Property Line             | ----- |
| Traveled Way or P.E.      | ----- |
| Railroads                 | ----- |
| Base or Survey Line       | ----- |

|                               |       |
|-------------------------------|-------|
| Culverts in Place             | ----- |
| Culverts Required             | ----- |
| Drop Inlet                    | ----- |
| Power Pole                    | ----- |
| Telephone or Telegraph Pole   | ----- |
| Right of Way Markers          | ----- |
| Reference Stake for Hubs Only | ----- |
| Marsh                         | ----- |
| Hedge                         | ----- |
| Trees                         | ----- |
| EVERGREENS                    | ----- |
| WOODS                         | ----- |
| Grade Elevation               | ----- |

Sta. 105+08.2 S 0453(8) =  
Sta. 4+00 Beginning of S 0453(4)  
EQUATION 105+12.5 BK. =  
4+04.3 AH.

Sta. 15+53.10 to Sta. 20+39.60  
Exception to Net & Length

#### LAYOUT

SCALE



Total Net Length of Centerline = 3.027 MI. Rural

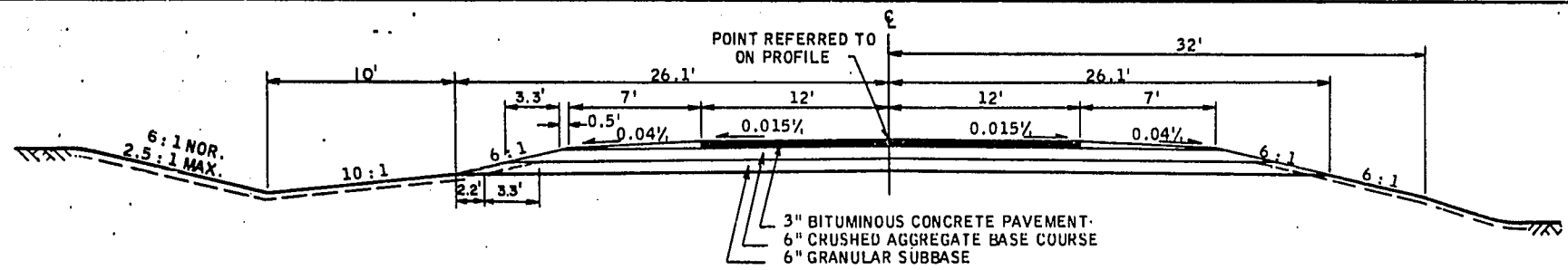
Sta. 36+85 S 0453(8) =  
Sta. 36+85 End Project S 0453(4)

Equation: 30+98.2 BK. =  
30+96.4 AH.

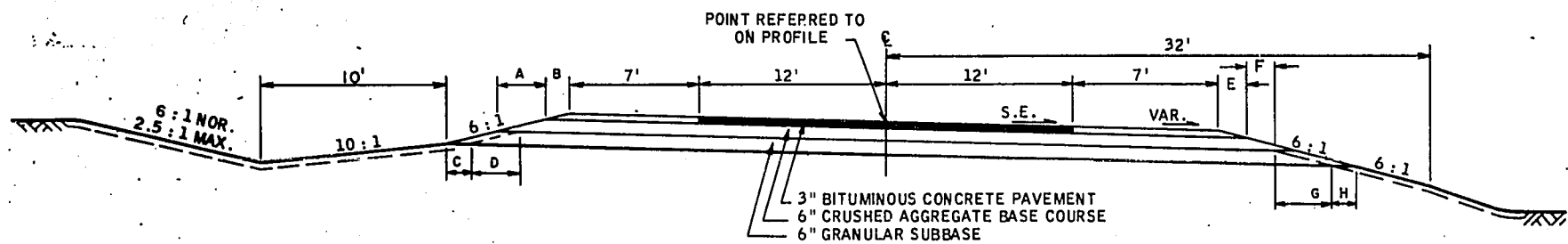
Equation: 22+70.0 BK. =  
23+04.7 AH.

|                                                                                                                     |                           |
|---------------------------------------------------------------------------------------------------------------------|---------------------------|
| STATE OF WISCONSIN<br>DEPARTMENT OF TRANSPORTATION<br>DIVISION OF HIGHWAYS                                          |                           |
| Surveyor K. H. H.                                                                                                   | District Checker R. J. S. |
| Designer D. W. P.                                                                                                   | C O Checker I. L. J.      |
| Correct:                                                                                                            |                           |
| Date 3/18/70                                                                                                        | By T. Landman             |
| Recommended for Approval: District Engineer                                                                         |                           |
| Date 3/24/70                                                                                                        | E. J. Byrd                |
| Approved: Chief Design Engineer                                                                                     |                           |
| Date 3/26/70                                                                                                        | W. J. Busmaister          |
| State Highway Engineer                                                                                              |                           |
| U.S. DEPARTMENT OF TRANSPORTATION<br>FEDERAL HIGHWAY ADMINISTRATION<br>BUREAU OF PUBLIC ROADS<br>WISCONSIN DIVISION |                           |
| Approved:                                                                                                           |                           |
| Date                                                                                                                | Division Engineer         |

S 0453(8)

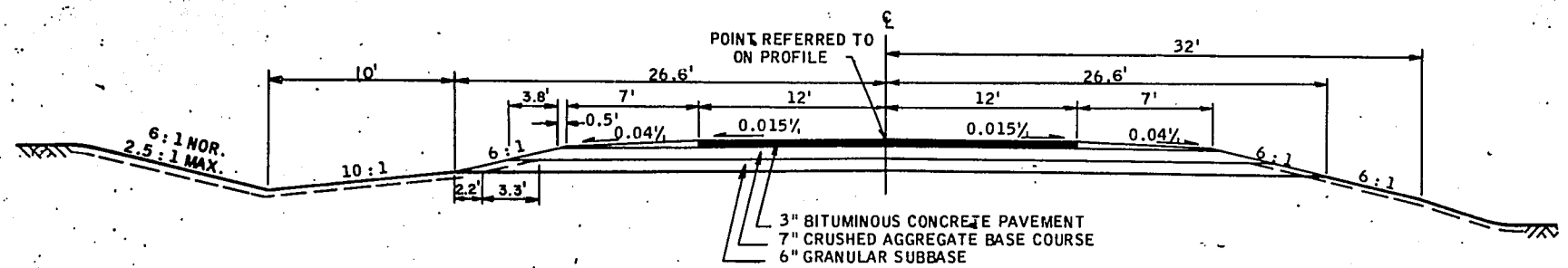


TYPICAL FINISHED SECTION  
SECTION 2  
STA 10+00 - 14+71.5 SEC. 1 (SHOULDERS VAR.)

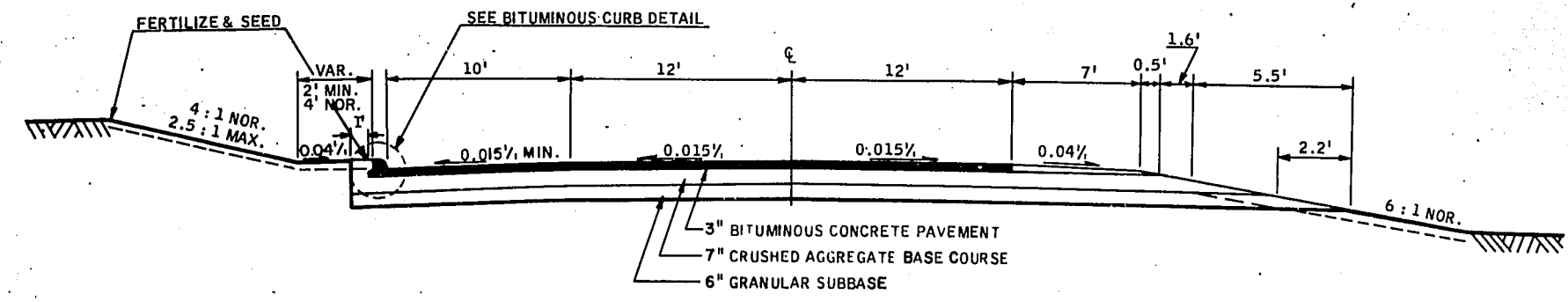


TYPICAL SUPERELEVATION SECTION  
SECTION 2

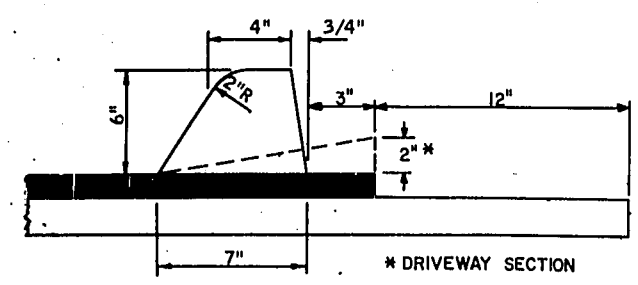
| SUPERELEVATION TABLE |     |                 |       |                    |                    |     |     |     |     |     |     |     |     |
|----------------------|-----|-----------------|-------|--------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| P.I. STATION         |     | DEGREE OF CURVE | S.E.  | LT. SHOULDER SLOPE | RT. SHOULDER SLOPE | A   | B   | C   | D   | E   | F   | G   | H   |
| 21 + 21.05           | RT. | 6° - 00'        | 0.077 | 0.077              | 0.077              | 2.0 | 1.0 | 1.4 | 2.0 | 2.8 | 1.9 | 5.6 | 3.7 |
| 43 + 74.00           | LT. | 4° - 00'        | 0.067 | 0.067              | 0.067              | 5.0 | 2.5 | 3.3 | 5.0 | 1.1 | 0.7 | 2.1 | 1.4 |



TYPICAL FINISHED SECTION  
SECTION 4



TYPICAL FINISHED SECTION  
STA. 41+00-43+85, LT.  
42+30-43+85 RT.  
SECTION 4



BITUMINOUS CURB DETAIL

# GENERAL NOTES

NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

ALL ELM TREES WITHIN THE RIGHT OF WAY ARE TO BE REMOVED.

SALVAGED TOPSOIL SHALL BE PLACED TO AN APPROXIMATE DEPTH OF 4 INCHES AT THE TIME OF PLACING ON ALL CUT AND FILL SLOPES.

ALL RIGHT OF WAY, EXCLUSIVE OF THE SUBGRADE AND AREAS ALREADY COVERED WITH SUITABLE GRASSES, SHALL BE FERTILIZED AND SEED.

CURVE DATA BASED ON ARC DEFINITION.

EXACT LOCATION OF DRIVEWAYS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEMS OF SUBBASE, BASE, OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

BEARINGS SHOWN ON THIS PLAN ARE THE TRUE BEARINGS SHOWN TO THE NEAREST MINUTE.

EXCAVATION BELOW SUBGRADE IS NOT USED TO BALANCE YARDAGE AND IS NOT SHOWN ON THE CROSS-SECTIONS, BUT IS MEASURED AND PAID FOR AS UNCLASSIFIED EXCAVATION.

SHRINKAGE VARIABLE, UNCLASSIFIED ESTIMATED AT 25% - 30%.

ALL INTERSECTIONS, EXCEPT AS OTHERWISE DETAILED, SHALL BE TYPE "C" AS SHOWN ON THE STANDARD DETAIL DRAWING 9-1.1.5.

THE 3-INCH BITUMINOUS CONCRETE SHALL CONSIST OF A 1 3/4-INCH BINDER COURSE AND A 1 1/4-INCH SURFACE COURSE.

## STANDARD DETAIL DRAWINGS

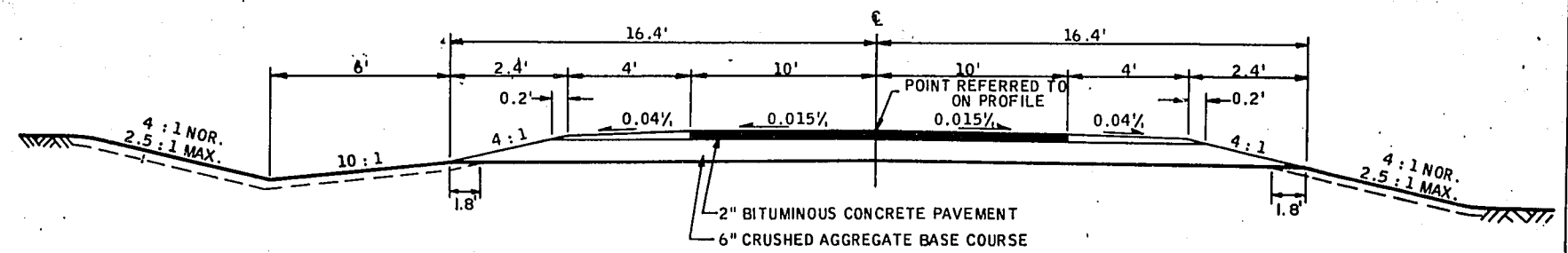
- 6-2.6.8 APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH
- 7-1.3.5 MARKER POSTS AND MARKER POSTS FOR RIGHT OF WAY
- 7-4.1.5 CONSTRUCTION BARRICADE
- 9-1.1.5 DESIGN AND LAYOUT DETAILS FOR SIDE ROAD AT GRADE INTERSECTIONS
- 12-1.1.3 LANDMARK REFERENCE MONUMENTS
- 7-2.4.13 STEEL PLATE BEAM GUARD & STEEL BEAM MEDIAN GUARD.

## STANDARD ABBREVIATIONS

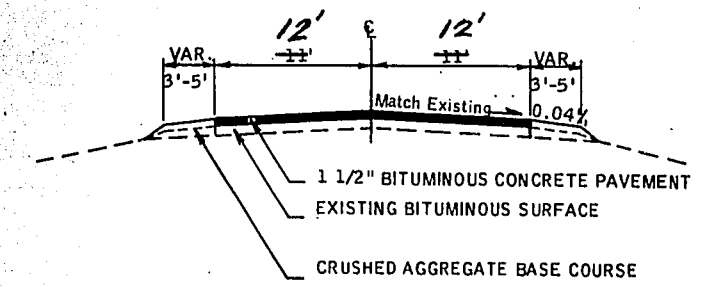
- E.B.S. = EXCAVATION BELOW SUBGRADE
- C.P. = CULVERT PIPE
- I.P. = IRON PIPE
- C.M.C.P. = CORRUGATED METAL CULVERT PIPE
- L.H.E. = LIMITED HIGHWAY EASEMENT
- R.H.F. = RIGHT HAND FORWARD
- L.H.F. = LEFT HAND FORWARD
- B.M. = BENCH MARK
- T.L. = TRANSIT LINE
- C.L. = CONSTRUCTION LINE
- S.E. = SUPERELEVATION
- C.M.P.A. = CORRUGATED METAL PIPE ARCH
- P.L. = PROPERTY LINE

## UTILITIES

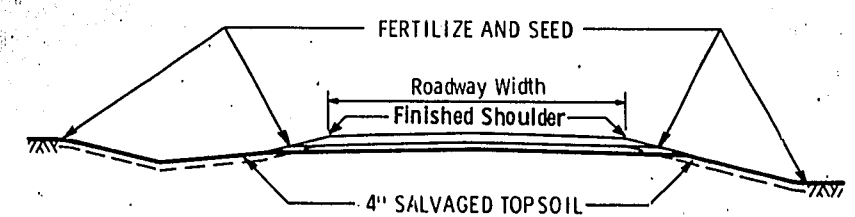
- POWER LINES: ROCK COUNTY ELECTRIC CO-OP ASSOCIATION INC., WISCONSIN POWER AND LIGHT COMPANY, GENERAL TELEPHONE COMPANY, GENERAL TELEPHONE COMPANY, WISCONSIN TELEPHONE COMPANY, MICHIGAN-WISCONSIN PIPE LINE COMPANY
- TELEPHONE LINES: GENERAL TELEPHONE COMPANY, GENERAL TELEPHONE COMPANY, WISCONSIN TELEPHONE COMPANY, MICHIGAN-WISCONSIN PIPE LINE COMPANY
- TELEPHONE CABLE: GENERAL TELEPHONE COMPANY, GENERAL TELEPHONE COMPANY, WISCONSIN TELEPHONE COMPANY, MICHIGAN-WISCONSIN PIPE LINE COMPANY
- GAS LINE: MICHIGAN-WISCONSIN PIPE LINE COMPANY



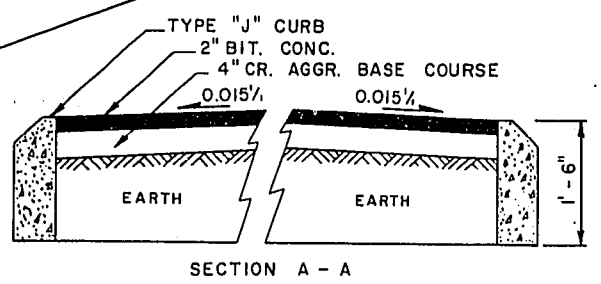
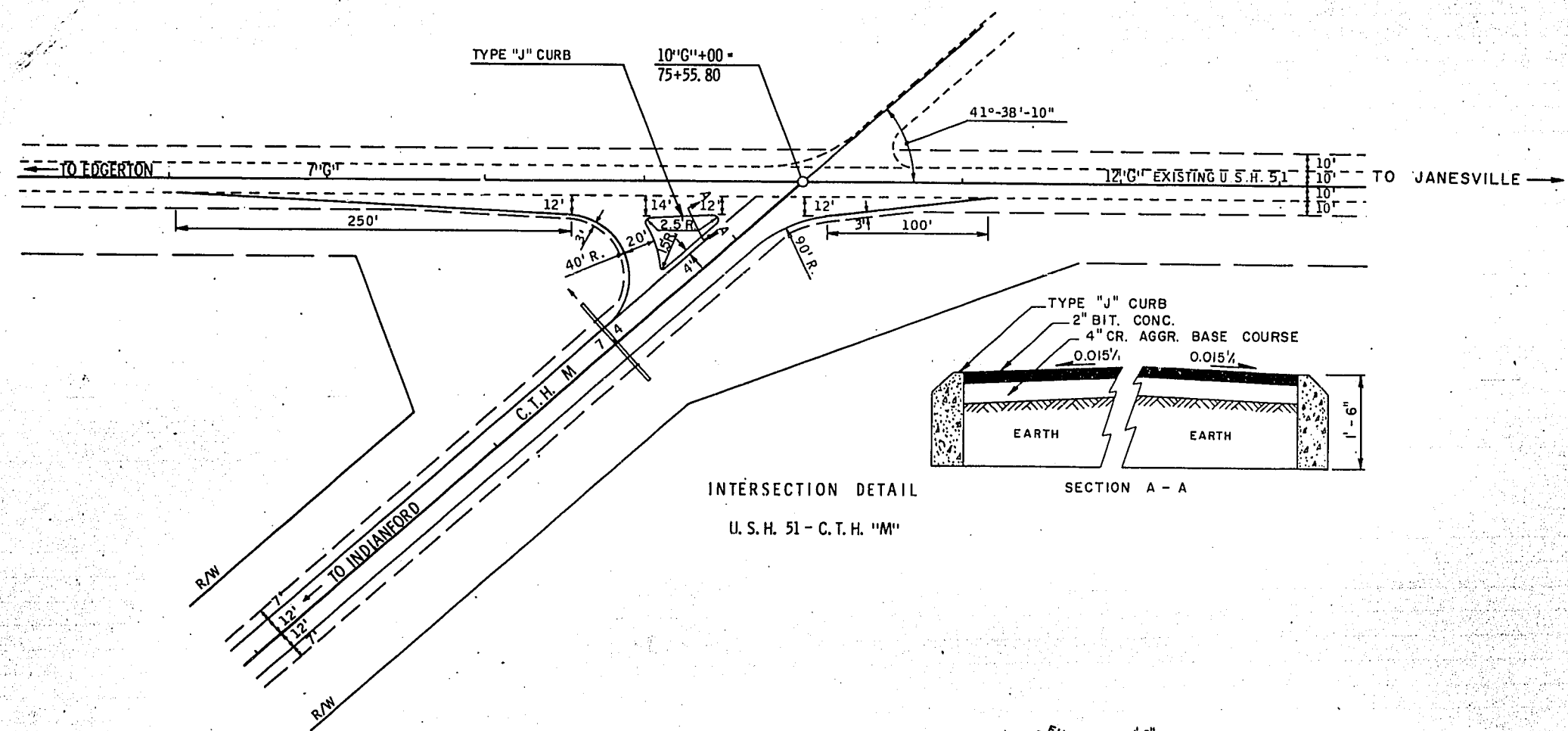
TYPICAL FINISHED SECTION  
SIDE ROADS



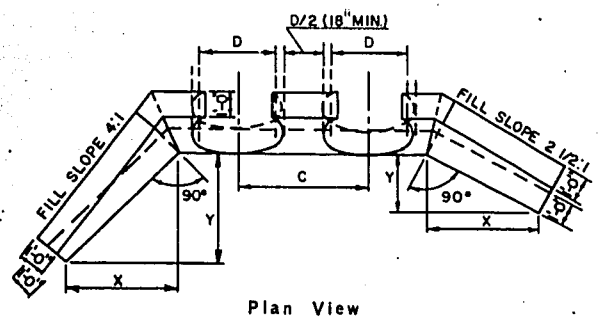
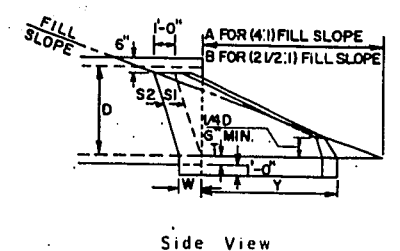
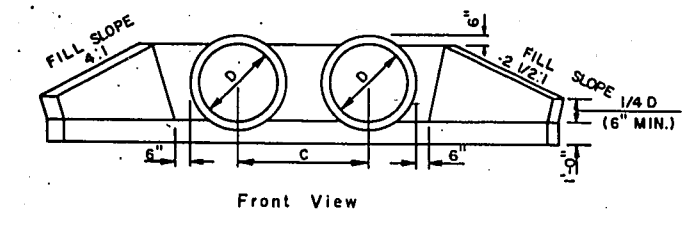
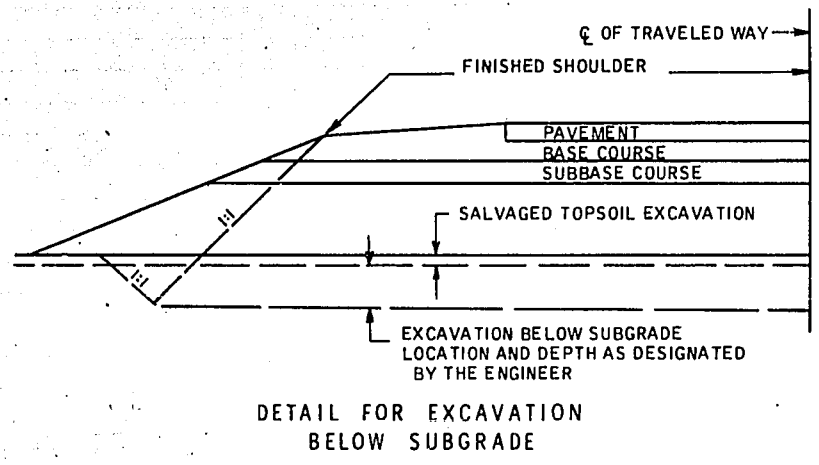
TYPICAL FINISHED SECTION  
STA. 10+00-14+71.5 SECTION 1  
STA. 4+04.3-31+00 SECTION 3



DETAIL For FERTILIZER, SEEDING AND TOPSOIL



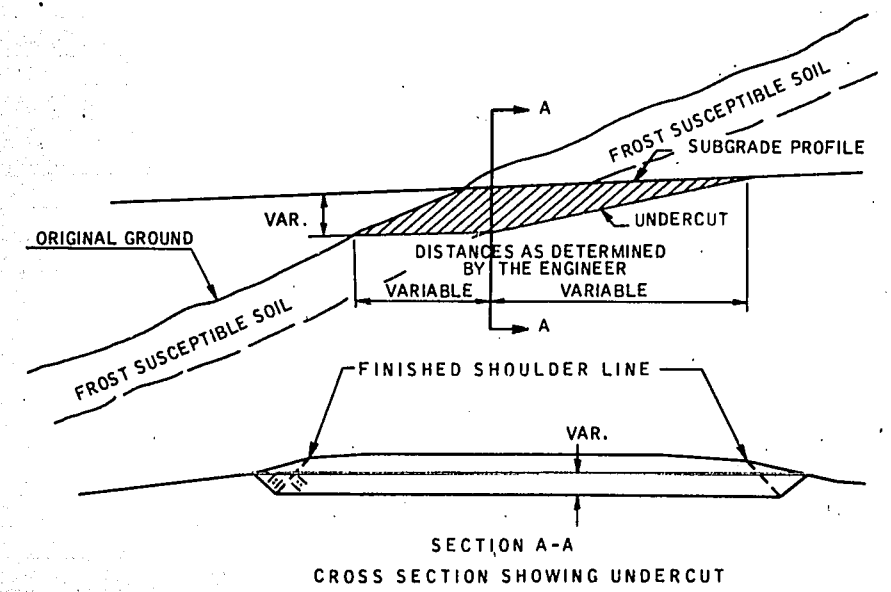
INTERSECTION DETAIL  
U.S.H. 51 - C.T.H. "M"



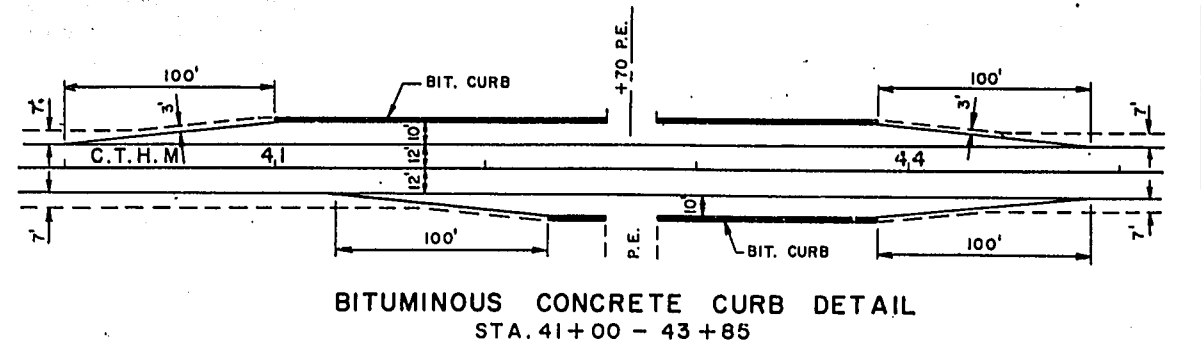
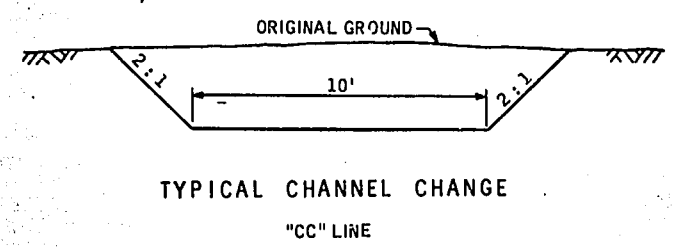
- ABBREVIATIONS USED
- D = DIAMETER
  - S<sub>1</sub> = FRONT SLOPE
  - S<sub>2</sub> = BACK SLOPE
  - C = CENTER-CENTER OF PIPES
  - W = FOOTING WIDTH
  - T = THICKNESS OF PIPE WALL

NOTE:  
ENDWALL MAY BE CONSTRUCTED OF CLASS "A" CONCRETE  
IN CONFORMANCE WITH SECTION 501 OF THE STANDARD  
SPECIFICATIONS.

| DETAIL OF ENDWALLS FOR DUAL CULVERTS |                 |                                                        |                 |             |     |     |                 |     |     |      |                         |                         |                             |
|--------------------------------------|-----------------|--------------------------------------------------------|-----------------|-------------|-----|-----|-----------------|-----|-----|------|-------------------------|-------------------------|-----------------------------|
| CIRCULAR PIPE                        |                 | CUBIC YARDS OF<br>MORTAR RUBBLE MASONRY<br>PER ENDWALL |                 | 4 : 1 SLOPE |     |     | 2 1/2 : 1 SLOPE |     |     | C    | FRONT                   | BACK                    | WIDTH                       |
| SIZE<br>OF PIPE                      | TYPE<br>OF PIPE | 4 : 1 SLOPE                                            | 2 1/2 : 1 SLOPE | A           | X   | Y   | B               | X   | Y   | FEET | SLOPE<br>S <sub>1</sub> | SLOPE<br>S <sub>2</sub> | OF FOOTING<br>"W"<br>(FEET) |
| 24"                                  | RCCP            | 1.5                                                    | 1.2             | 5.1         | 1.6 | 3.1 | 2.5             | 1.6 | 1.2 | 4.0  | 1/2 : 1                 | 1/2 : 1                 | 1.0                         |
|                                      | CMCP            | 1.0                                                    | 0.9             | 4.3         | 1.2 | 2.3 | 2.0             | 1.9 | 0.8 | 3.5  | 1/2 : 1                 | 1/2 : 1                 | 1.0                         |
| 30"                                  | RCCP            | 2.0                                                    | 1.7             | 7.0         | 2.3 | 4.5 | 3.6             | 2.1 | 2.1 | 4.6  | 1/2 : 1                 | 1/2 : 1                 | 1.0                         |
|                                      | CMCP            | 1.4                                                    | 1.1             | 6.1         | 1.8 | 3.6 | 3.0             | 1.5 | 1.5 | 4.0  | 1/2 : 1                 | 1/2 : 1                 | 1.0                         |
| 48"                                  | RCCP            | 4.8                                                    | 3.7             | 12.8        | 4.4 | 8.8 | 6.8             | 4.3 | 4.3 | 6.8  | 1/2 : 1                 | 1/2 : 1                 | 1.0                         |
|                                      | CMCP            | 3.2                                                    | 2.5             | 11.3        | 3.6 | 7.3 | 6.0             | 3.5 | 3.5 | 6.1  | 1/2 : 1                 | 1/2 : 1                 | 1.0                         |



DETAIL FOR EXCAVATION  
AT MOUTH OF CUTS



BITUMINOUS CONCRETE CURB DETAIL  
STA. 41+00 - 43+85

## ESTIMATE OF QUANTITIES

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE WISCONSIN DIVISION OF HIGHWAYS - EDITION OF 1969 APPROVED MARCH 3, 1969, FEDERAL AID REQUIRED CONTRACT PROVISIONS APPROVED NOVEMBER 15, 1968, AND SPECIAL PROVISIONS AS ATTACHED TO PROPOSALS.

CONTRACT NO. 1 (3656-2-70)

GRADING, SUBBASE, BASE AND  
SURFACING (BIT. CONC. PAV'T.)

| B.P.R.<br>REGION | PROJECT   | SHEET<br>NO. | TOTAL<br>SHEETS |
|------------------|-----------|--------------|-----------------|
| 4                | S 0453(8) | 3            | 41              |

| SEC. NO. | STATION TO STATION                    |      | NET LENGTH OF CENTERLINE | CLEARING   | GRUBBING   | REMOVING     |            |                     | UNCLASSIFIED EXCAVATION | STONE PILES AND STONE FENCES | BORROW EXCAVATION | PREP. FOUNDATION FOR BITUMINOUS PAVING | GRANULAR SUBBASE COURSE | FINISHING ROADWAY | OBLITERATING OLD ROAD | CRUSHED AGGREGATE BASE COURSE | BITUMINOUS CONCRETE PAVEMENT | BITUMINOUS MATERIAL FOR SURFACE COURSE | MAINTENANCE AND REPAIR OF HAUL ROADS | LANDMARK REFERENCE MONUMENTS | FIELD OFFICE TYPE "B" | FIELD LAB. | BITUMINOUS MATERIAL FOR PRIME COAT |
|----------|---------------------------------------|------|--------------------------|------------|------------|--------------|------------|---------------------|-------------------------|------------------------------|-------------------|----------------------------------------|-------------------------|-------------------|-----------------------|-------------------------------|------------------------------|----------------------------------------|--------------------------------------|------------------------------|-----------------------|------------|------------------------------------|
|          |                                       |      |                          |            |            | OLD CULVERTS | GUARDRAIL  | BUILDING STA. 97+50 |                         |                              |                   |                                        |                         |                   |                       |                               |                              |                                        |                                      |                              |                       |            |                                    |
|          | ITEM NO.                              | UNIT | LIN. FT.                 | 20101 STA. | 20104 STA. | 20330 EACH   | 20411 L.F. | 20418 L.S.          | 20503 C.Y.              | 20504 C.Y.                   | 20801 C.Y.        | 21101 L.S.                             | 21201 C.Y.              | 21301 L.S.        | 21401 STA.            | 30404 TON                     | 40701 TON                    | 40702 TON                              | 61801 L.S.                           | 62101 EACH                   | 64202 L.S.            | 64210 L.S. | 40202 GAL.                         |
| 1        | 10+00-14+71.50<br>(Non-Participating) |      | 471.50                   |            |            |              |            |                     |                         |                              | 0.18              |                                        |                         |                   | 50                    | 120                           | 7                            | 0.1                                    | -                                    |                              |                       |            |                                    |
| 2        | 16+32.00-105+12.50                    |      | 8,880.50                 | 37         | 38         | 2            | 56         | 1                   | 39,600                  | -                            | 5,700             |                                        | 8,550                   | 0.67              | 7                     | 17,000                        | 4,100                        | 246                                    | 0.5                                  | 12                           | 0.67                  | 0.67       | 6,400                              |
| 3        | 4+04.3-31+00<br>(Non-Participating)   |      | 2,176.30                 |            |            |              |            |                     |                         |                              | 0.82              |                                        |                         |                   | 200                   | 605                           | 36                           | 0.1                                    | -                                    |                              |                       |            |                                    |
| 4        | 31+00-75+55.80                        |      | 4,455.80                 | 35         | 36         | 3            |            |                     | 33,700                  | 75                           |                   |                                        | 4,350                   | 0.33              |                       | 9,700                         | 2,175                        | 136                                    | 0.3                                  | 6                            | 0.33                  | 0.33       | 3,200                              |
| T        | Totals                                |      | 15,984.10                | 74         | 75         | 5            | 56         | 1                   | 77,827                  | 20                           | 47,67             |                                        | 12,742                  |                   | 7.4                   | 29,228                        | 8,312                        | 413.1                                  | 16                                   |                              |                       | 7304       |                                    |
|          |                                       |      |                          | 72         | 74         |              |            |                     | 73,300*                 | 75                           | 5,700             |                                        | 12,900                  | 1                 | 7                     | 26,950                        | 7,000                        | 425                                    | 1**                                  | 18                           | 1                     | 1          | 9600                               |

\* Includes 1,405 C. Y. of E. B. S.

**\*\* Non-Participating**

[illegible]

| SEC.<br>NO. | MORTAR<br>RUBBLE<br>MASONRY | CULVERT PIPE, CLASS III |         |         |         |         |         | APRON ENDWALLS FOR CULVERT PIPE |         |         |         |         |         | CORRUGATED<br>METAL<br>CULVERT PIPE |         | METAL APRON<br>ENDWALLS FOR<br>CULVERT PIPE |       | CON-<br>CRETE<br>CURB<br>TYPE "J" | MARKER<br>POSTS | MARKER<br>POSTS<br>FOR<br>RIGHT-OF-<br>WAY | ANCHORAGES<br>FOR<br>STEEL<br>PLATE<br>BEAM<br>GUARD | STEEL<br>PLATE<br>BEAM<br>GUARD<br>CLASS<br>A | BITUMINOUS<br>CONCRETE<br>CURB | SALVAGED<br>TOPSOIL | MULCHING | FERTILIZER | SEEDING | SODDING |      |      |      |
|-------------|-----------------------------|-------------------------|---------|---------|---------|---------|---------|---------------------------------|---------|---------|---------|---------|---------|-------------------------------------|---------|---------------------------------------------|-------|-----------------------------------|-----------------|--------------------------------------------|------------------------------------------------------|-----------------------------------------------|--------------------------------|---------------------|----------|------------|---------|---------|------|------|------|
|             |                             | 18-INCH                 | 24-INCH | 30-INCH | 36-INCH | 48-INCH | 60-INCH | 18-INCH                         | 24-INCH | 30-INCH | 36-INCH | 60-INCH | 24-INCH | 36-INCH                             | 24-INCH | 36-INCH                                     |       |                                   |                 |                                            |                                                      |                                               |                                |                     |          |            |         |         |      |      |      |
|             |                             | 51801                   | 52003   | 52005   | 52007   | 52009   | 52011   | 52013                           | 52061   | 52063   | 52065   | 52067   | 52071   | 52107                               | 52111   | 52147                                       | 52151 |                                   |                 |                                            |                                                      |                                               |                                |                     |          |            |         |         |      |      |      |
|             |                             | C.Y.                    | L.F.    | L.F.    | L.F.    | L.F.    | L.F.    | L.F.                            | EACH    | EACH    | EACH    | EACH    | EACH    | L.F.                                | L.F.    | EACH                                        | EACH  |                                   |                 |                                            |                                                      |                                               |                                |                     |          |            |         |         | L.F. | EACH | EACH |
| 1           |                             |                         |         |         |         |         |         |                                 |         |         |         |         |         |                                     |         |                                             |       |                                   |                 |                                            |                                                      |                                               |                                |                     |          |            |         |         |      |      |      |
| 2           | 10                          | 196                     | 136     | 324     |         |         | 108     | 14                              | 2       | 2       |         | 2       |         |                                     |         |                                             |       |                                   | 27              |                                            | 2                                                    |                                               | 208                            |                     |          | 45,700     | 11,000  | 46      | 870  | 500  |      |
| 3           |                             |                         |         |         |         |         |         |                                 |         |         |         |         |         |                                     |         |                                             |       |                                   |                 |                                            |                                                      |                                               |                                |                     |          |            |         |         |      |      |      |
| 4           | 12                          | 140                     | 158     |         | 100     | 228     |         | 10                              | 6       | -       | 2       |         | 14      | 124                                 | 2       | 2                                           | 124   | 3                                 | 22              |                                            |                                                      |                                               |                                |                     |          | 440        | 30,800  | 9,500   | 30   | 560  | 200  |
|             | 27.5                        | 308                     |         |         |         |         | 110     | 22                              |         |         |         |         |         |                                     |         |                                             | 123   |                                   | 47              |                                            |                                                      | 420                                           | 84728                          | 23000               | 86       | 1600       | 2230    |         |      |      |      |
| T           |                             | 336                     | 294     | 324     | 100     | 228     | 108     | 24                              | 8       | 2       | 2       | 2       | 14      | 124                                 | 2       | 2                                           | 124   | 3                                 | 49              |                                            | 2                                                    | 208                                           | 440                            | 76,500              | 20,500   | 76         | 1,430   | 700     |      |      |      |



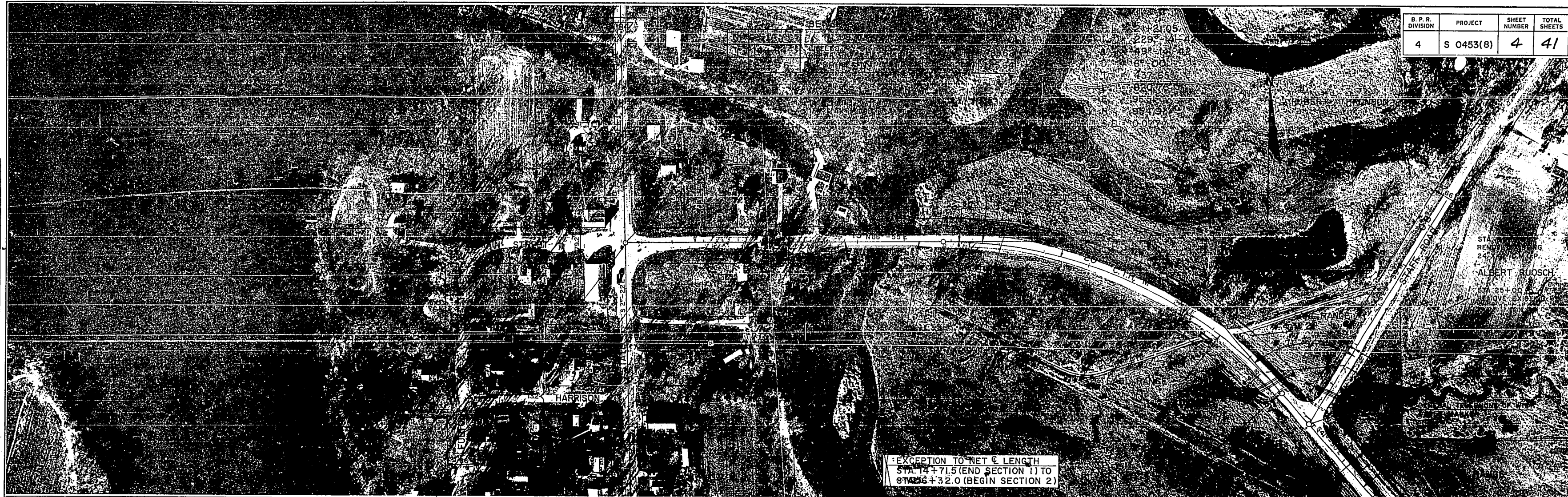
DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

3656-2-70

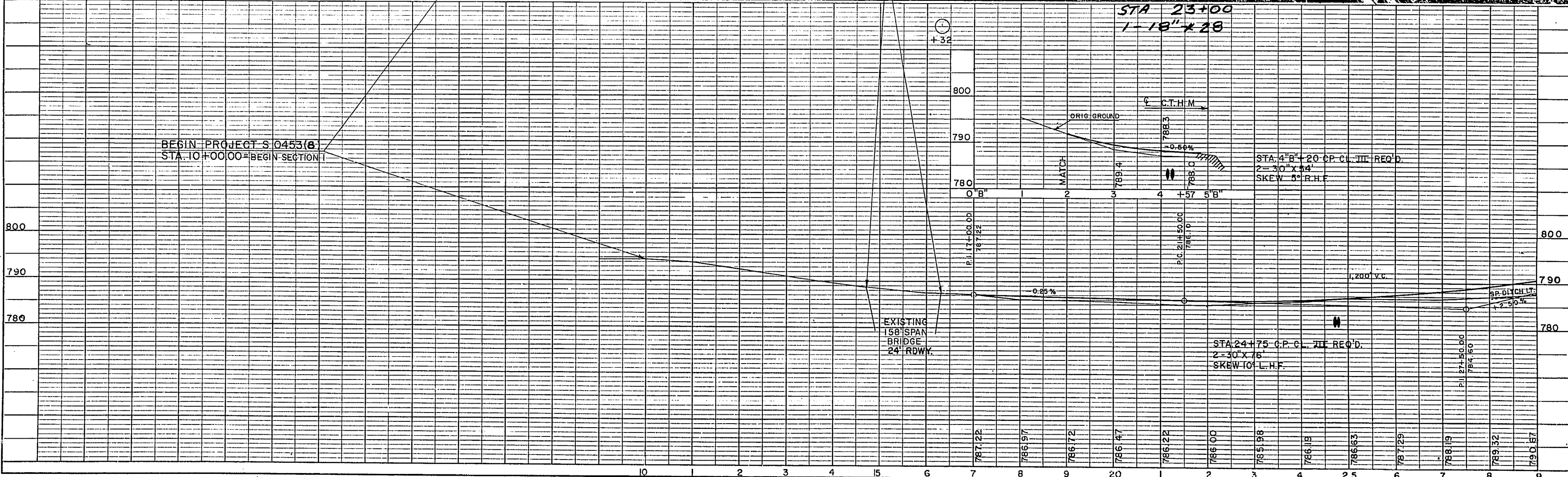
| PROJECT    | SHEET NUMBER | TOTAL SHEETS |
|------------|--------------|--------------|
| S 0453 (8) | 3A           | 41           |

| CLEARING & GRUBBING   |                   |                          |                      | LANDMARK REFERENCE MONUMENTS  |                   |                  |                  | STEEL PLATE BEAM GUARD, CLASS "A" |                            |       |  | CROSS DRAIN, MINOR SIDE ROAD & PRIVATE ENTRANCE PIPES |                  |      |       |              |                    |          |                   |   |              |
|-----------------------|-------------------|--------------------------|----------------------|-------------------------------|-------------------|------------------|------------------|-----------------------------------|----------------------------|-------|--|-------------------------------------------------------|------------------|------|-------|--------------|--------------------|----------|-------------------|---|--------------|
| Sec.                  | Station - Station | Clearing<br>No. Sta.     | Grubbing<br>No. Sta. | Sec.                          | Station           | No. of Monuments |                  | Sec.                              | Location                   | L. F. |  | Sec.                                                  | Station          | Type | Class | Dia.<br>Inch | Length<br>Lin. Ft. | Location | Apron<br>Endwalls |   | MRM<br>C. Y. |
| 2                     | 22+00-23+00       | 1                        | 1                    | 2                             | 46+58             | 3                |                  | 2                                 | 16+41-17+45 LT.            | 104   |  | 2                                                     | 24+75            | CP   | III   | 30           | 2 @ 76             | €        | -                 | - | 4.0          |
|                       | 31+00-38+00       | 7                        | 7                    |                               | 59+67             | 3                |                  |                                   | 16+29-17+31 RT.            | 104   |  |                                                       | 4"B" x 20        | CP   | III   | 30           | 2 @ 54             | €        | -                 | - | 4.0          |
|                       | 41+00-42+00       | 1                        | 1                    |                               | 86+08.9           | 3                |                  |                                   |                            |       |  |                                                       | 32+25            | CP   | III   | 24           | 2 @ 28             | PE       | -                 | - | 2.0          |
|                       | 54+00-56+00       | 2                        | 2                    |                               | 98+14             | 3                |                  |                                   |                            |       |  |                                                       | 57+18            | CP   | III   | 24           | 80                 | €        | 1                 | 1 |              |
|                       | 58+00-59+00       |                          | 1                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 64+00            | CP   | III   | 30           | 64                 | €        | 1                 | 1 |              |
|                       | 60+00-65+00       | 5                        | 5                    |                               | 36+85             | 3                |                  |                                   |                            |       |  |                                                       | 89+50            | CP   | III   | 60           | 108                | €        | 1                 | 1 |              |
|                       | 68+00-69+00       | 1                        | 1                    |                               | 63+20             | 3                |                  |                                   |                            |       |  |                                                       | 7 PE's @ 28'     | CP   | III   | 18           | 196                | PE's     | 7                 | 7 |              |
|                       | 70+00-72+00       | 2                        | 2                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 32+50 (Ext. Lt.) | CMCP |       | 24           | 10                 | €        |                   | 1 |              |
|                       | 74+00-81+00       | 7                        | 7                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 32+50 (Ext. Rt.) | CMCP |       | 24           | 4                  | €        | 1                 |   |              |
|                       | 84+00-88+00       | 4                        | 4                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 35+80            | CP   | III   | 48           | 2 @ 82             | €        |                   |   | 6.0          |
|                       | 89+00-92+00       | 3                        | 3                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 37+38            | CP   | III   | 48           | 2 @ 32             | PE       |                   |   | 6.0          |
|                       | 96+00-98+00       | 2                        | 2                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 45+00            | CP   | III   | 24           | 64                 | €        | 1                 | 1 |              |
|                       | 104+00-106+00     | 2                        | 2                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 48+50            | CMCP |       | 36           | 124                | €        | 1                 | 1 |              |
| 4                     | 34+00-37+00       | 3                        | 3                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 52+65            | CP   | III   | 36           | 100                | €        | 1                 | 1 |              |
|                       | 39+00-43+00       | 4                        | 4                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 74+00            | CP   | III   | 24           | 66                 | €        | 1                 | 1 |              |
|                       | 44+00-45+00       | 1                        | 1                    |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 5 PE's @ 28'     | CP   | III   | 18           | 140                | PE's     | 5                 | 5 |              |
|                       | 47+00-75+00       | 27                       | 28                   |                               |                   |                  |                  |                                   |                            |       |  |                                                       | 56+38 P. E.      | CP   | III   | 24           | 28                 | PE's     | 1                 | 1 |              |
| REMOVING OLD CULVERTS |                   |                          |                      | CRUSHED AGGREGATE BASE COURSE |                   |                  |                  | SODDING                           |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
| Sec.                  | Location          | Size                     |                      | Sec.                          | Station - Station | Base<br>Tons     | Shoulder<br>Tons | Sec.                              | Location                   | S. Y. |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
| 2                     | 64+06             | 2' x 2' x 36'            |                      | 1                             | 10+00-14+71.5     | -                | 50               | 2                                 | 57+18 RT.                  | 12    |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       | 90+04             | 7' x 7' x 32" Stone Arch |                      |                               | 16+32-105+12.5    | 14,260           | 1,850            |                                   | 64+00 RT.                  | 20    |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
| 4                     | 48+29             | 4.5' x 3' x 70'          |                      |                               | S. R. "B"         | 600              | 50               |                                   | 88-89+50 LT. (Ditch Flume) | 200   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       | 52+55             | 3' x 5' x 38'            |                      |                               | PE's              | 240              | -                |                                   | Undistributed              | 268   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       | 67+32             | 2' x 2' x 30'            |                      |                               |                   |                  |                  |                                   | Undistributed              | 200   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
| REMOVING GUARDRAIL    |                   |                          |                      | BITUMINOUS CONCRETE PAVEMENT  |                   |                  |                  | MULCHING                          |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
| Sec.                  | Location          | L. F.                    |                      | Sec.                          | Station - Station | Tons             |                  | Sec.                              | Location                   | S. Y. |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
| 2                     | 16+41-16+69 LT.   | 28                       |                      | 2                             | 16+32-105+12.5    | 3,955            |                  | 2                                 | 17+00-23+00 LT.            | 1,711 |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       | 16+28-16+55 RT.   | 28                       |                      |                               | S. R. "B"         | 145              |                  |                                   | 39+00-43+00 RT.            | 900   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   | 39+00-54+50 LT.            | 4,339 |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   | 70+00-74+00 RT.            | 822   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   | 88+50-91+00 RT.            | 939   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   | 88+50-92+00 LT.            | 1,228 |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   | 102+00-105+12.5 LT.        | 689   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   | Undistributed              | 372   |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |
|                       |                   |                          |                      |                               |                   |                  |                  |                                   |                            |       |  |                                                       |                  |      |       |              |                    |          |                   |   |              |

| B. P. R.<br>DIVISION | PROJECT   | SHEET<br>NUMBER | TOTAL<br>SHEETS |
|----------------------|-----------|-----------------|-----------------|
| 4                    | S 0453(8) | 4               | 41              |



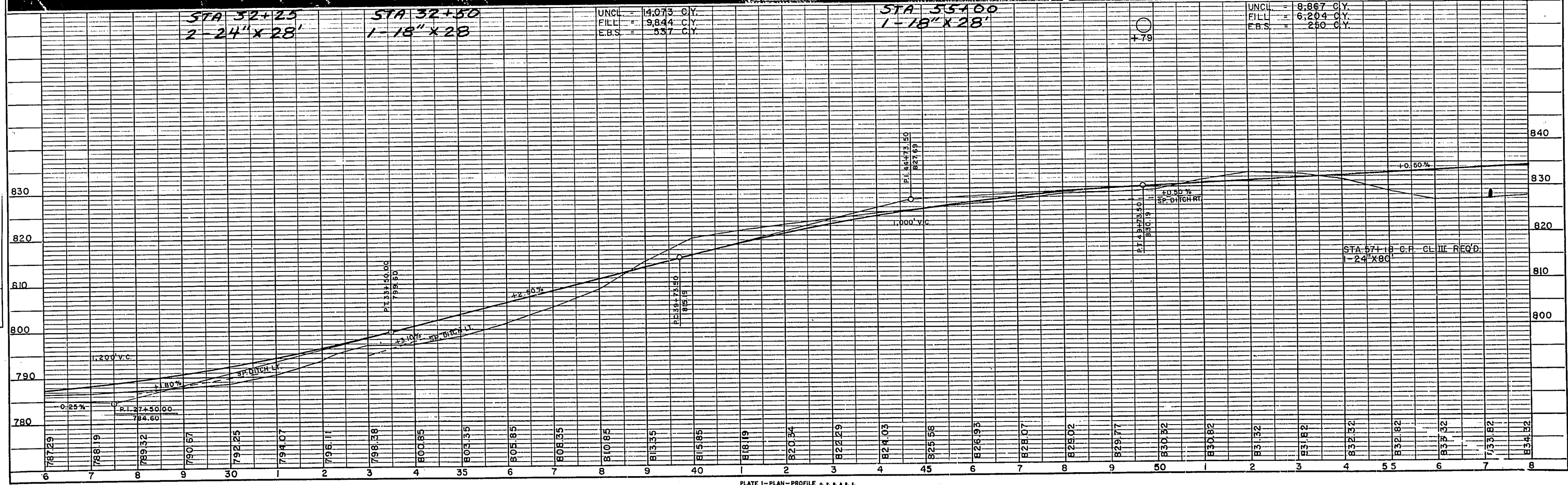
EXCEPTION TO NET C LENGTH  
STA 14+71.5 (END SECTION 1) TO  
STA 16+32.0 (BEGIN SECTION 2)







| D. P. R. DIVISION | PROJECT   | SHEET NUMBER | TOTAL SHEETS |
|-------------------|-----------|--------------|--------------|
| 4                 | S 0453(8) | 5            | 41           |



STA 32+25  
2-24"X28'

STA 32+50  
1-18"X28'

UNCL. = 14,073 C.Y.  
FILL = 9,844 C.Y.  
E.B.S. = 537 C.Y.

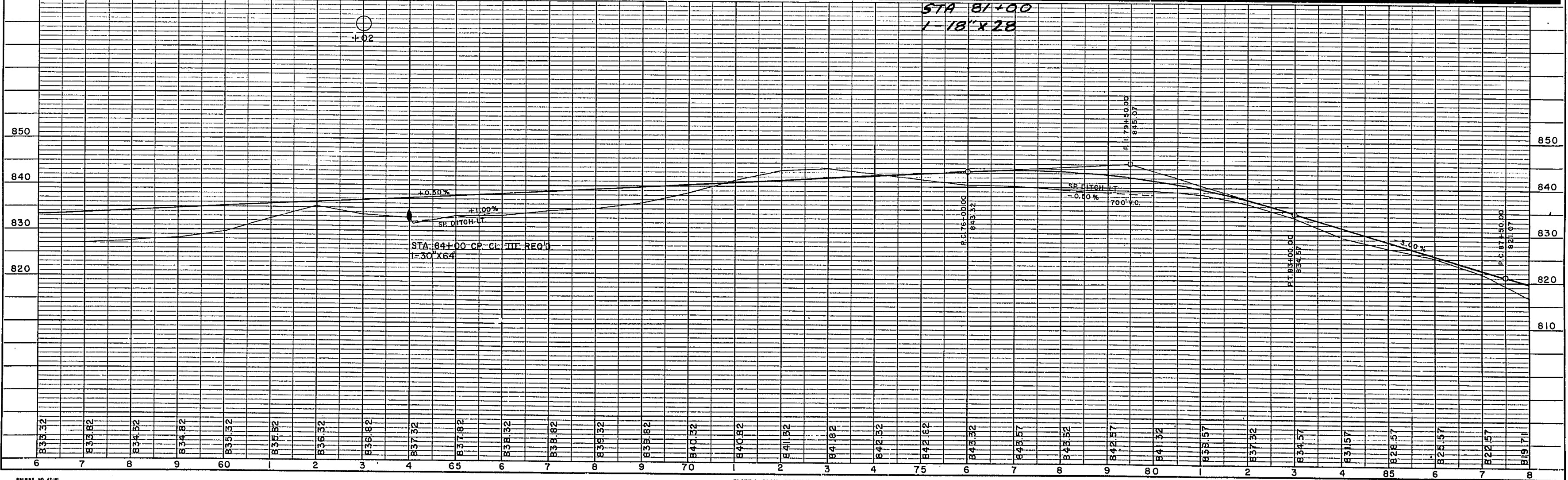
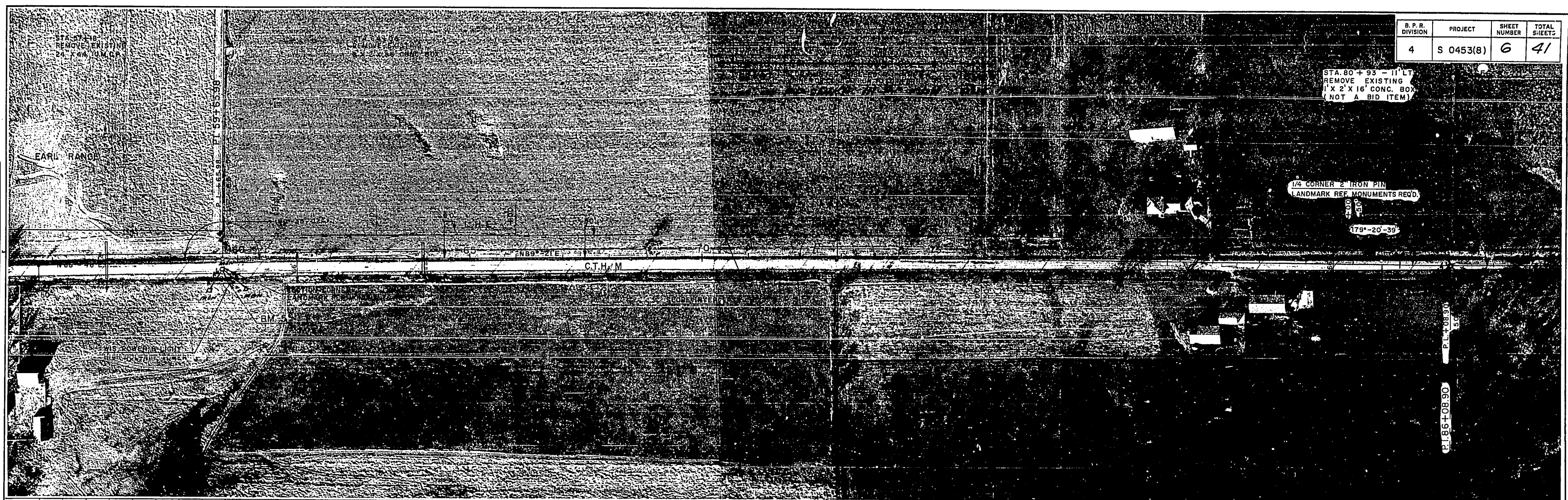
STA 33+00  
1-18"X28'

UNCL. = 8,867 C.Y.  
FILL = 6,204 C.Y.  
E.B.S. = 250 C.Y.

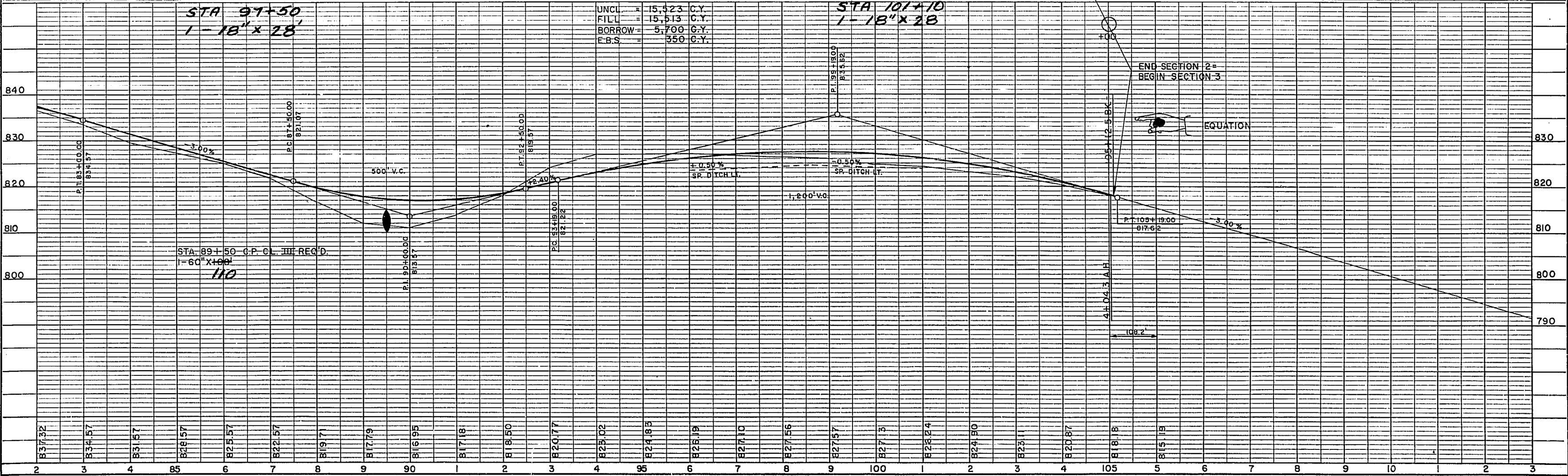
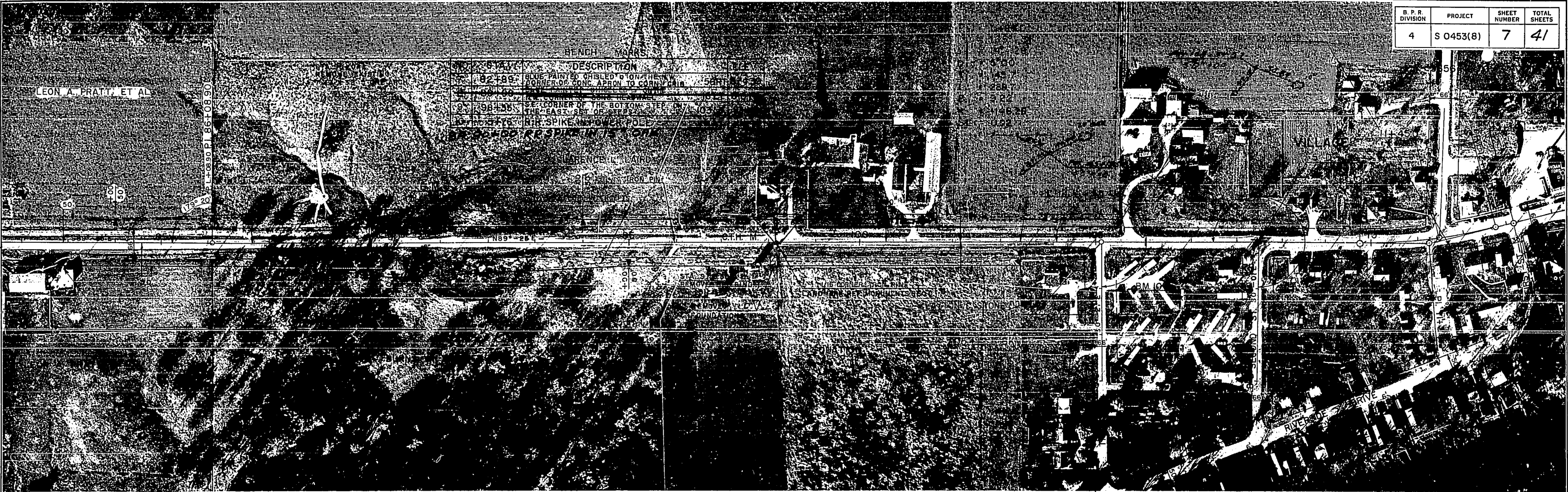
STA 34+18 C.R. CL III REQ'D.  
1-24"X80'



| B. P. R. DIVISION | PROJECT   | SHEET NUMBER | TOTAL SHEETS |
|-------------------|-----------|--------------|--------------|
| 4                 | S 0453(8) | 6            | 41           |









| B. P. R.<br>DIVISION | PROJECT   | SHEET<br>NUMBER | TOTAL<br>SHEETS |
|----------------------|-----------|-----------------|-----------------|
| 4                    | S 0453(8) | 8               | 41              |

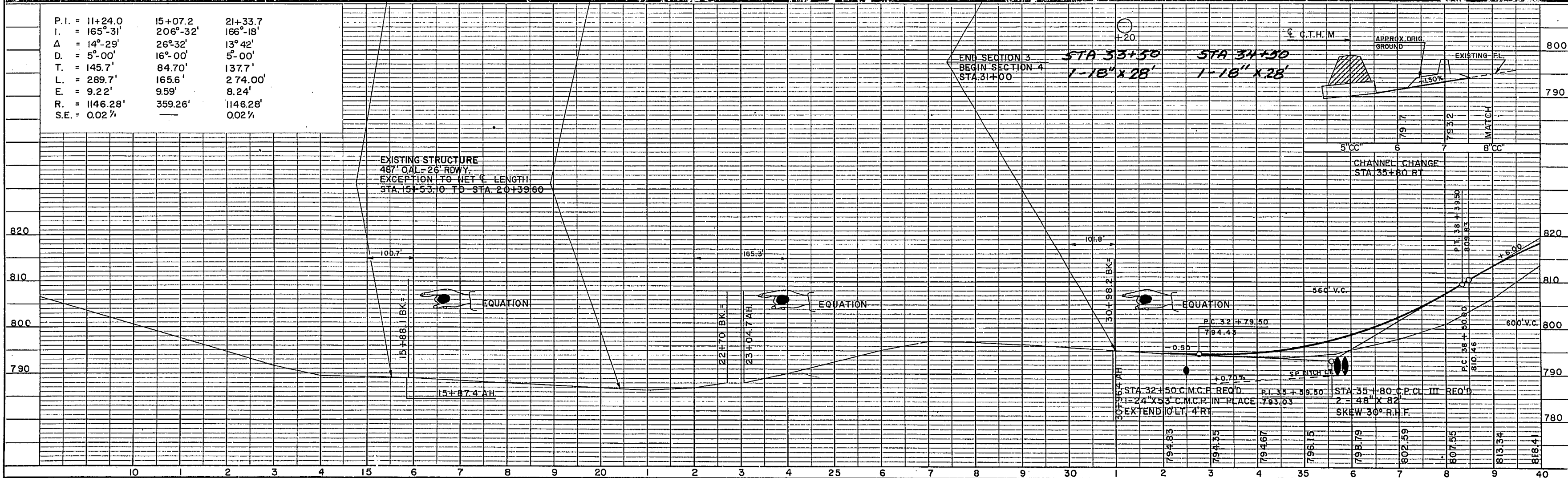
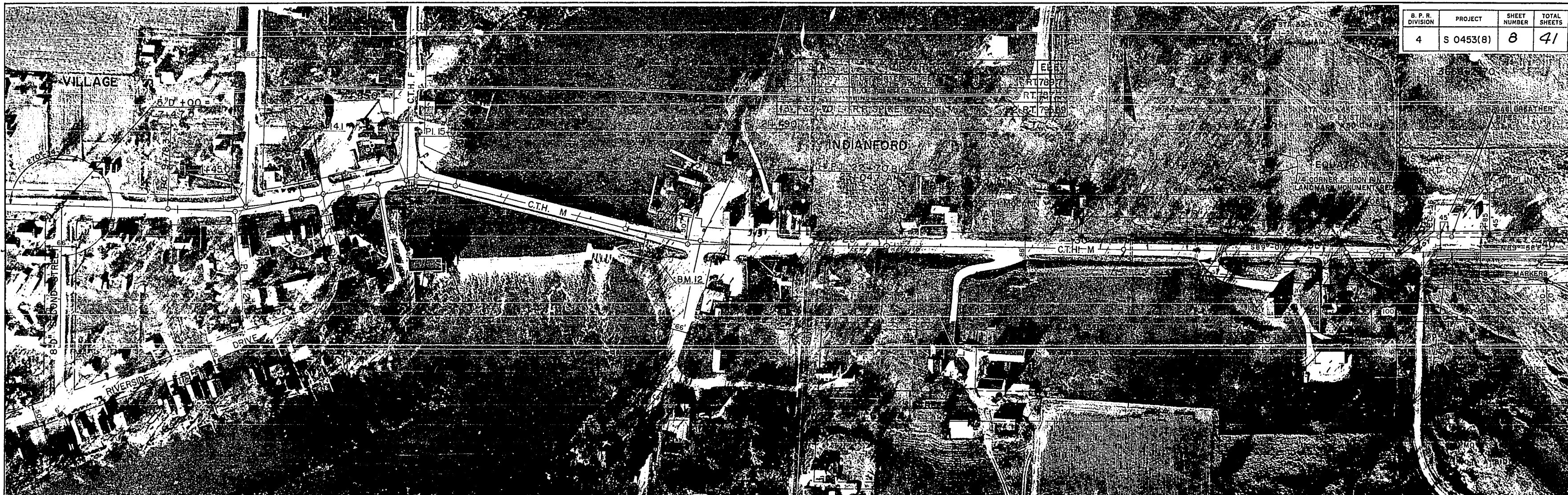
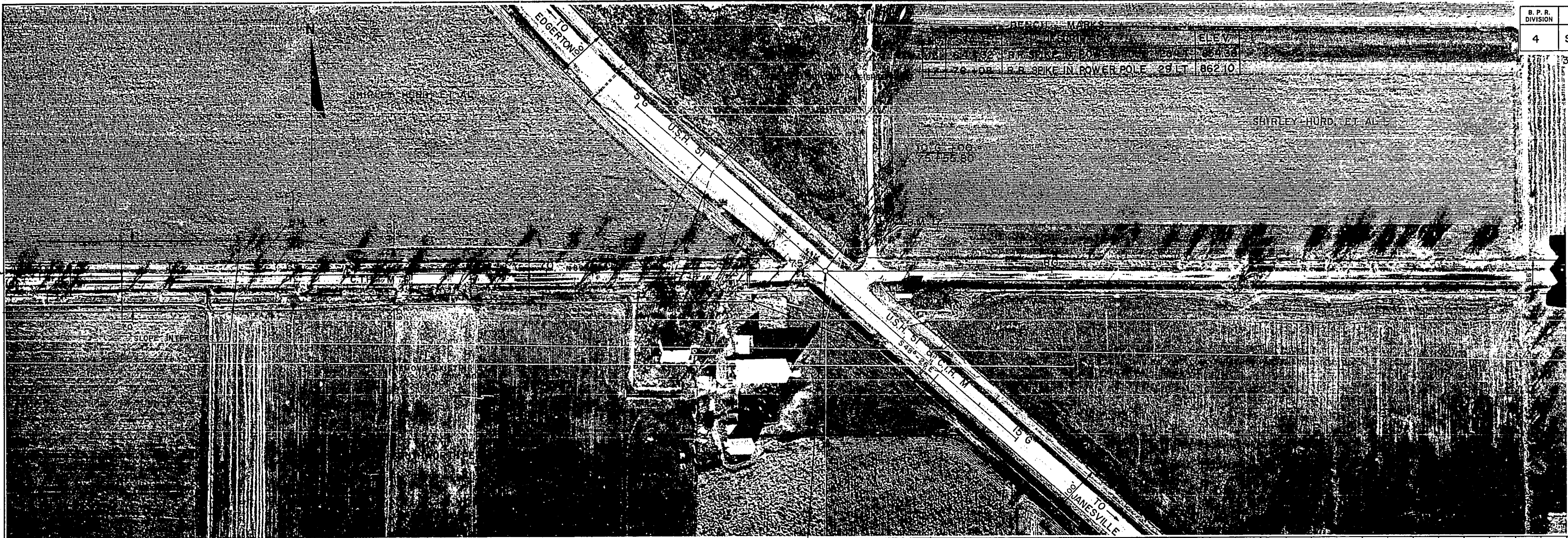


PLATE 1-PLAN-PROFILE O. P. R. & H. E.  
MADE AND PRINTED IN U.S.A.  
CHARLES BRUNING COMPANY, INC.



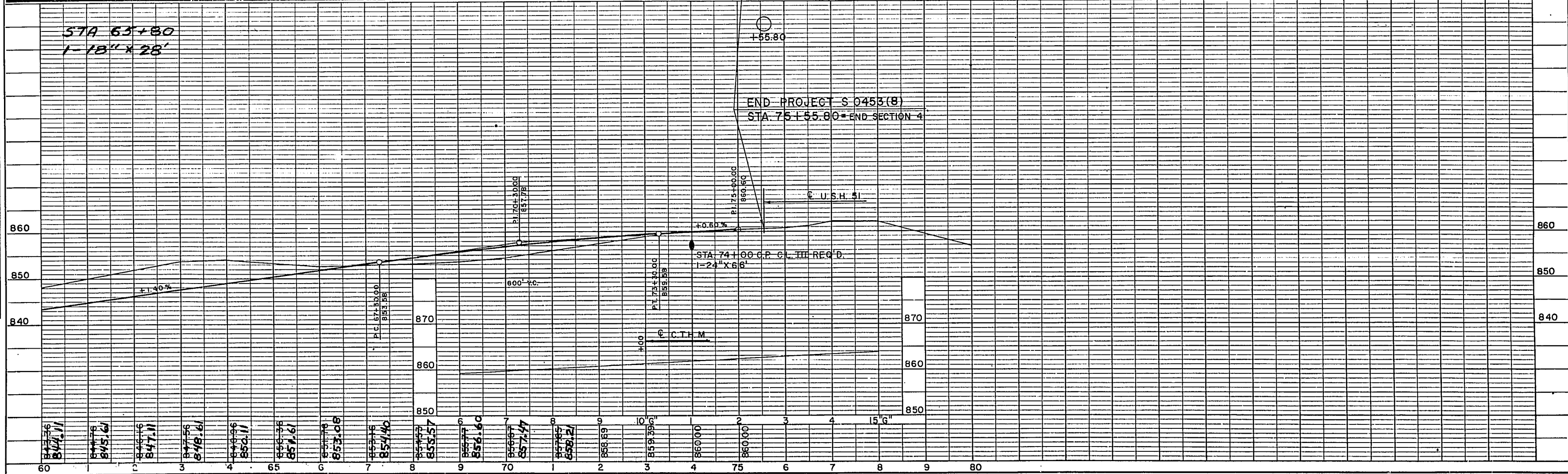


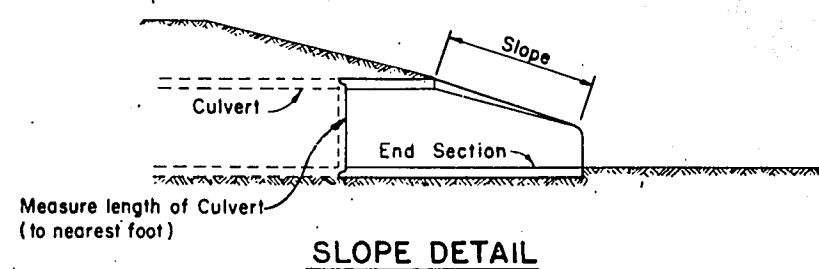
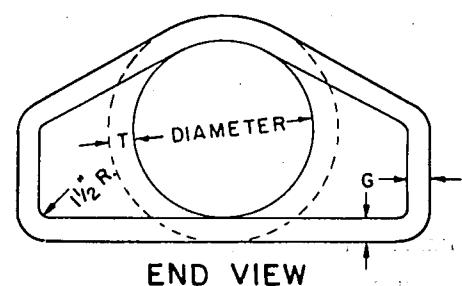
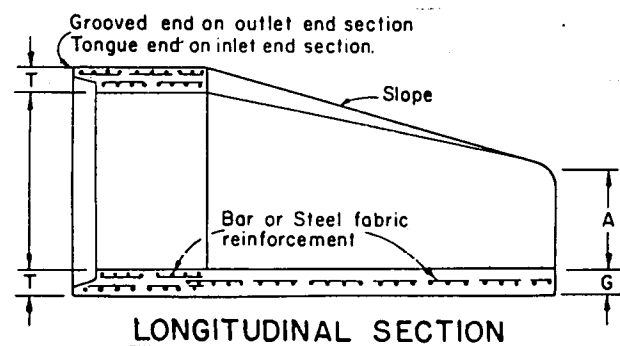
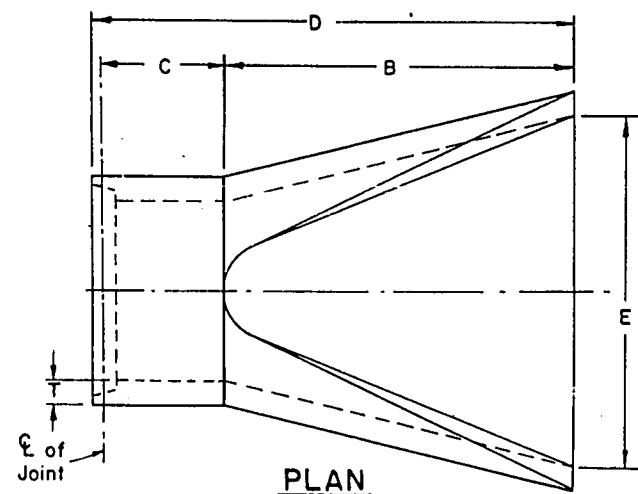




| B. P. R. DIVISION | PROJECT   | SHEET NUMBER | TOTAL SHEETS |
|-------------------|-----------|--------------|--------------|
| 4                 | S 0453(8) | 10           | 41           |

3656-2-70



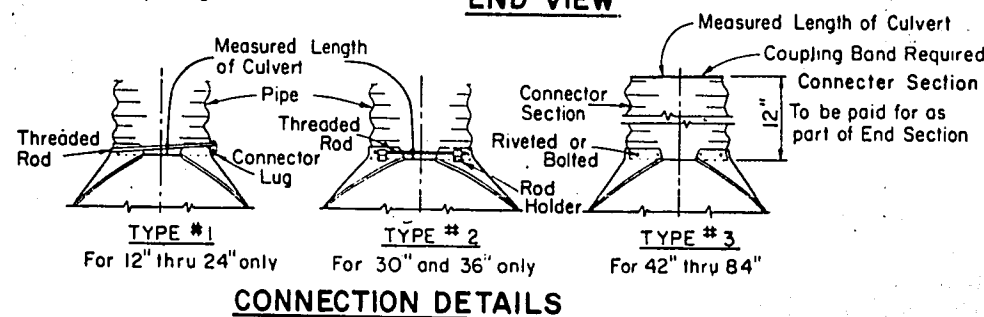
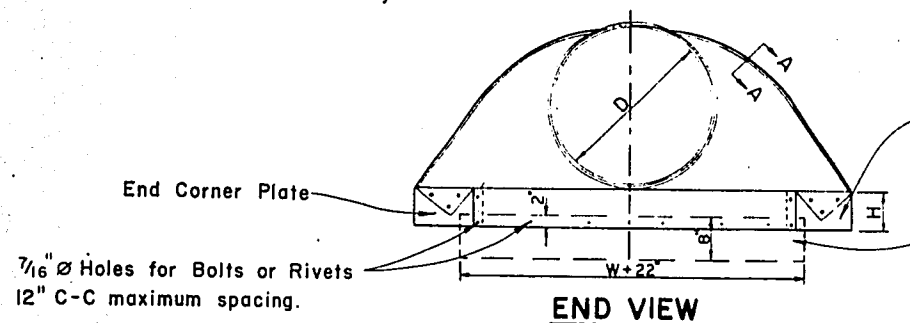
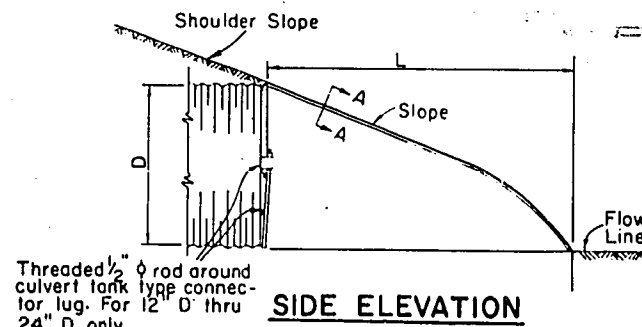
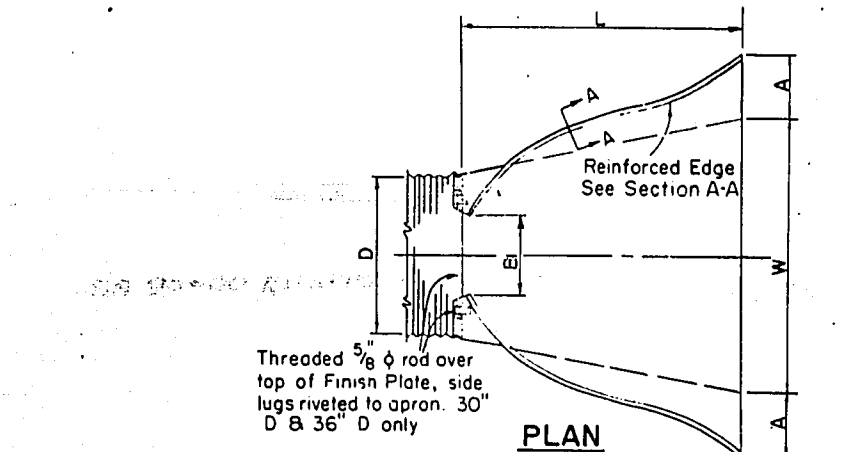


| DIA | APPROX. WEIGHT/SECTION | APPROX. SLOPE | T      | A       | B               | C                   | D                    | E    | G      |
|-----|------------------------|---------------|--------|---------|-----------------|---------------------|----------------------|------|--------|
| 12" | 530                    | 3 to 1        | 2"     | 4"      | 24"             | 48 7/8"             | 72 7/8"              | 24"  | 2"     |
| 15" | 740                    | 3 to 1        | 2 1/4" | 6"      | 27"             | 46"                 | 73"                  | 30"  | 2 1/4" |
| 18" | 990                    | 3 to 1        | 2 1/2" | 9"      | 27"             | 46"                 | 73"                  | 36"  | 2 1/2" |
| 21" | 1280                   | 3 to 1        | 2 3/4" | 9"      | 36"             | 37 1/2"             | 73 1/2"              | 42"  | 2 3/4" |
| 24" | 1520                   | 3 to 1        | 3"     | 9 1/2"  | 43 1/2"         | 30"                 | 73 1/2"              | 48"  | 3"     |
| 27" | 1930                   | 3 to 1        | 3 1/4" | 10 1/2" | 49 1/2"         | 24"                 | 73 1/2"              | 54"  | 3 1/4" |
| 30" | 2190                   | 3 to 1        | 3 1/2" | 12"     | 54"             | 19 3/4"             | 73 3/4"              | 60"  | 3 1/2" |
| 36" | 4100                   | 3 to 1        | 4"     | 15"     | 63"             | 34 3/4"             | 97 3/4"              | 72"  | 4"     |
| 42" | 5380                   | 3 to 1        | 4 1/2" | 21"     | 63"             | 35"                 | 98"                  | 78"  | 4 1/2" |
| 48" | 6550                   | 3 to 1        | 5"     | 24"     | 72"             | 26"                 | 98"                  | 84"  | 5"     |
| 54" | 8040                   | 2 1/2 to 1    | 5 1/2" | 27"     | 65"             | 33 1/4 min. 35 max. | 98 1/4 min. 100 max. | 90"  | 5"     |
| 60" | 8730                   | 2 to 1        | 6"     | 30"     | 60"             | 39"                 | 99"                  | 96"  | 5"     |
| 66" | 10,630                 | 2 to 1        | 6 1/2" | 30"     | 72 min. 78 max. | 21 min. 27 max.     | 99"                  | 102" | 5 1/2" |
| 72" | 12,520                 | 2 to 1        | 7"     | 36"     | 78"             | 21"                 | 99"                  | 108" | 6"     |
| 78" | 14,430                 | 2 to 1        | 7 1/2" | 36"     | 78"             | 21"                 | 99"                  | 114" | 6 1/2" |
| 84" | 18,160                 | 1 1/2 to 1    | 8"     | 36"     | 90 1/2"         | 21"                 | 111 1/2"             | 120" | 6 1/2" |

REINFORCED CONCRETE APRON ENDWALLS

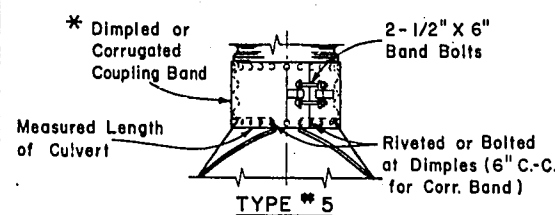
## APRON ENDWALLS FOR CULVERT PIPE

METAL APRON ENDWALLS



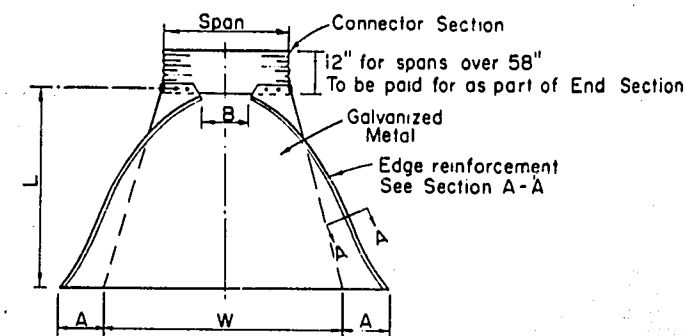
| D Pipe Diam | Gage Min. | Dimensions |       |        |          |        |            | Approx. Slope |
|-------------|-----------|------------|-------|--------|----------|--------|------------|---------------|
|             |           | A ± 1"     | B Max | H ± 1" | L ± 1/2" | W ± 2" |            |               |
| 12"         | 16        | 6"         | 6"    | 6"     | 21"      | 24"    | 2 1/2 to 1 |               |
| 15"         | 16        | 7"         | 8"    | 6"     | 26"      | 30"    | "          |               |
| 18"         | 16        | 8"         | 10"   | 6"     | 31"      | 36"    | "          |               |
| 21"         | 16        | 9"         | 12"   | 6"     | 36"      | 42"    | "          |               |
| 24"         | 16        | 10"        | 13"   | 6"     | 41"      | 48"    | "          |               |
| 30"         | 14        | 12"        | 16"   | 8"     | 51"      | 60"    | "          |               |
| 36"         | 14        | 14"        | 19"   | 9"     | 60"      | 72"    | "          |               |
| 42"         | 12        | 16"        | 22"   | 11"    | 69"      | 84"    | "          |               |
| 48"         | 12        | 18"        | 27"   | 12"    | 78"      | 90"    | 2 1/4 to 1 |               |
| 54"         | 12        | 18"        | 30"   | 12"    | 84"      | 102"   | 2 to 1     |               |
| 60"         | 12        | 18"        | 33"   | 12"    | 87"      | 114"   | 1 3/4 to 1 |               |
| 66"         | 12        | 18"        | 36"   | 12"    | 87"      | 120"   | 1 1/2 to 1 |               |
| 72"         | 12        | 18"        | 39"   | 12"    | 87"      | 126"   | 1 1/3 to 1 |               |
| 78"         | 12        | 18"        | 42"   | 12"    | 87"      | 132"   | 1 1/4 to 1 |               |
| 84"         | 12        | 18"        | 45"   | 12"    | 87"      | 138"   | 1 1/8 to 1 |               |

Note: All splices to be lap riveted or bolted.

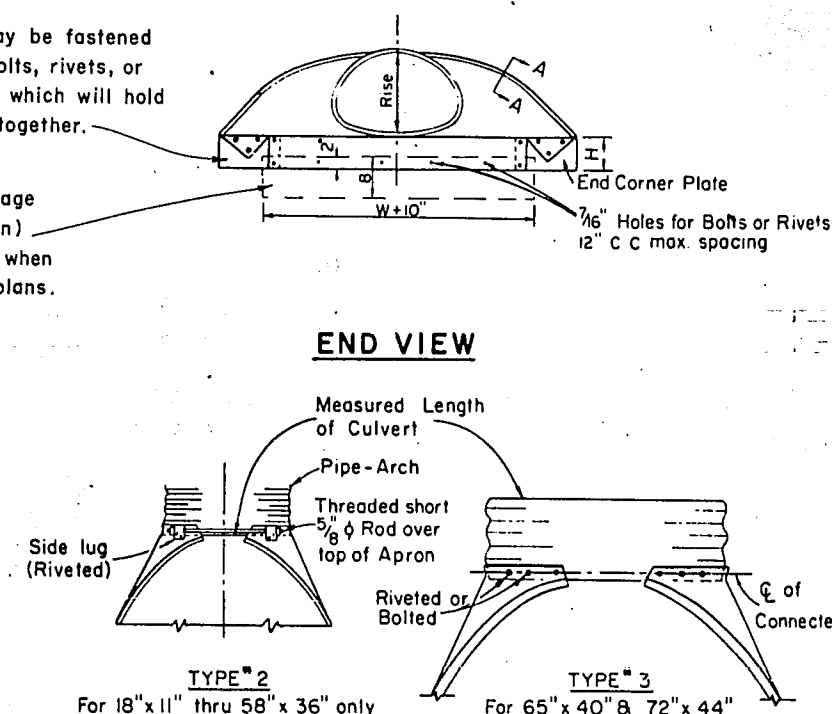
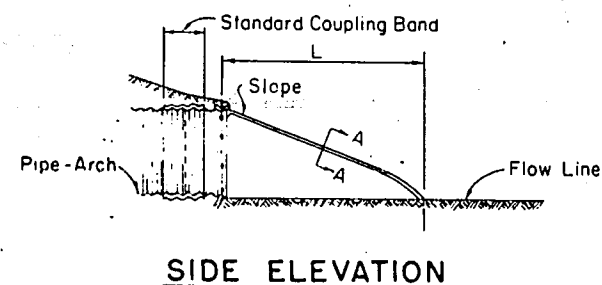


Alternate for All sizes Corrugated Pipe and Pipe Arch

\* NOTE: Dimpled Band fits over Outside of Endwall, and Corr. Band fits Inside Endwall. Dimpled Band may be used with Helically Corrugated Pipe.



showing alternate type with connector section

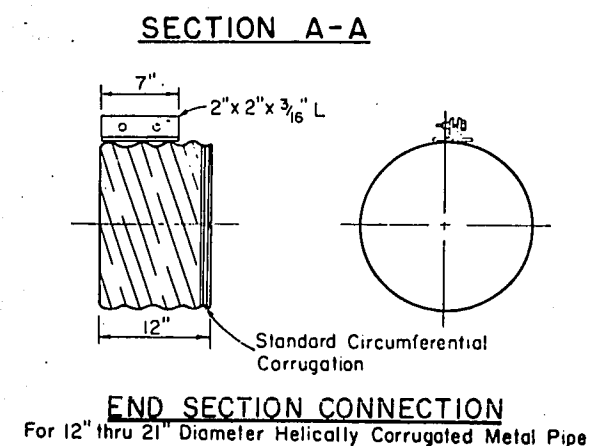
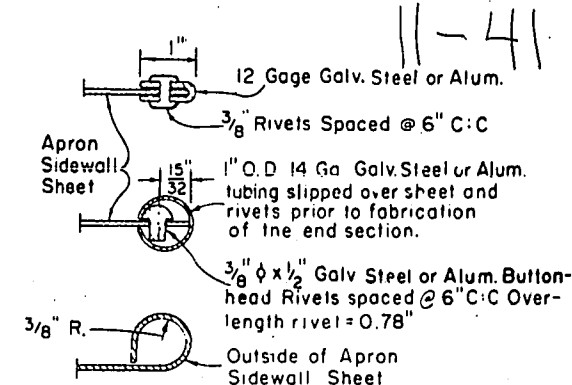


**CONNECTION DETAILS**

| Pipe - Arch Dimensions | Gage Min. | Dimensions |       |        |          |        |      | Approx. Slope |
|------------------------|-----------|------------|-------|--------|----------|--------|------|---------------|
| Span Rise              |           | A ± 1"     | B Max | H ± 1" | L ± 1/2" | W ± 2" |      |               |
| 18"                    | 11"       | 16         | 7"    | 9"     | 6"       | 19"    | 30"  | 2 1/2 to 1    |
| 22"                    | 13"       | 16         | 7"    | 10"    | 6"       | 23"    | 36"  | "             |
| 25"                    | 16"       | 16         | 8"    | 12"    | 6"       | 28"    | 42"  | "             |
| 29"                    | 18"       | 16         | 9"    | 14"    | 6"       | 32"    | 48"  | "             |
| 36"                    | 22"       | 14         | 10"   | 16"    | 6"       | 39"    | 60"  | "             |
| 43"                    | 27"       | 14         | 12"   | 18"    | 8"       | 46"    | 75"  | "             |
| 50"                    | 31"       | 12         | 13"   | 21"    | 9"       | 53"    | 85"  | "             |
| 58"                    | 36"       | 12         | 18"   | 26"    | 12"      | 63"    | 90"  | "             |
| 65"                    | 40"       | 12         | 18"   | 30"    | 12"      | 70"    | 102" | 2 1/4 to 1    |
| 72"                    | 44"       | 12         | 18"   | 33"    | 12"      | 77"    | 114" | "             |

Note: All splices to be lap riveted or bolted

## APRON ENDWALLS FOR PIPE ARCH



### GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

#### NOTE

Variations of the dimensions and designs shown hereon will be permitted providing equivalent capacity and structural integrity are attained, and prior approval of the Engineer is obtained.

Reinforced concrete apron endwalls shall be used with concrete pipe culvert installations, steel apron endwalls shall be used with corrugated steel pipe culvert installations, and aluminum apron endwalls shall be used with corrugated aluminum pipe culvert installations, except that steel apron endwalls may be used on corrugated aluminum pipe culverts when a non-metallic insulation material is placed between the steel and aluminum. The non-metallic insulation material shall be so placed between the two metals so as to prohibit galvanic action from occurring.

When two or more pipes or pipe arches with apron endwalls are to be laid adjacent to each other, they shall be separated by the following amount:

Pipes: Total width of apron endwall less the diameter of pipe plus 6 inches.

Pipe Arches: Total width of apron endwall less the span dimension of the pipe arch plus 6 inches.

### APRON ENDWALLS FOR CULVERT PIPE & PIPE ARCH

State of Wisconsin  
Department of Transportation  
Division of Highways

RECOMMENDED FOR APPROVAL:

12/19/69

DATE

APPROVED:

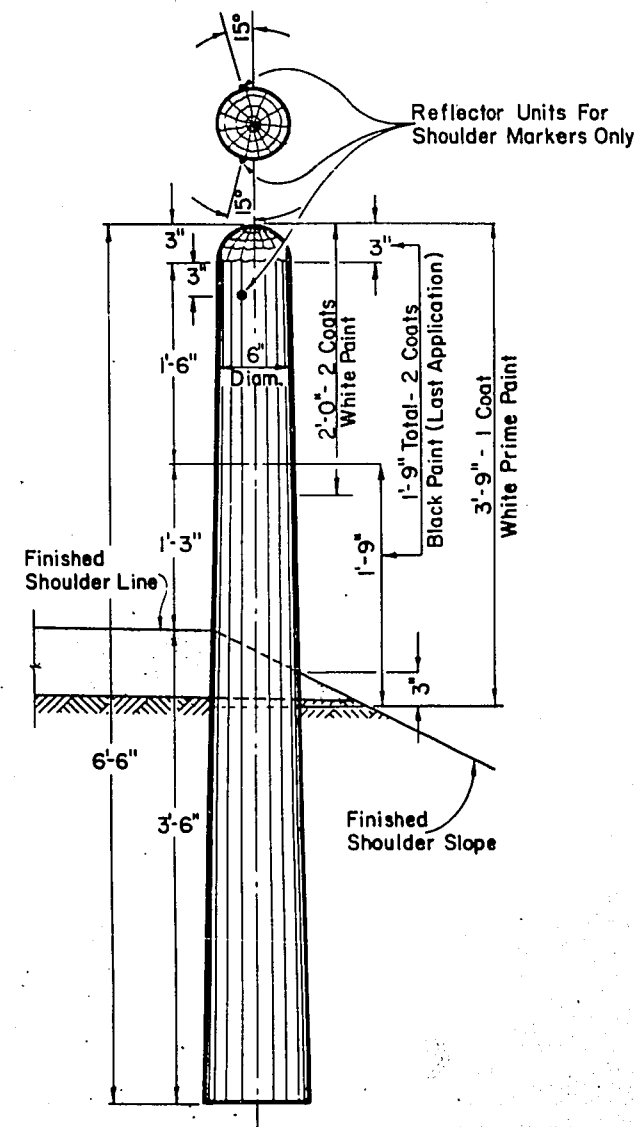
12/30/69

DATE

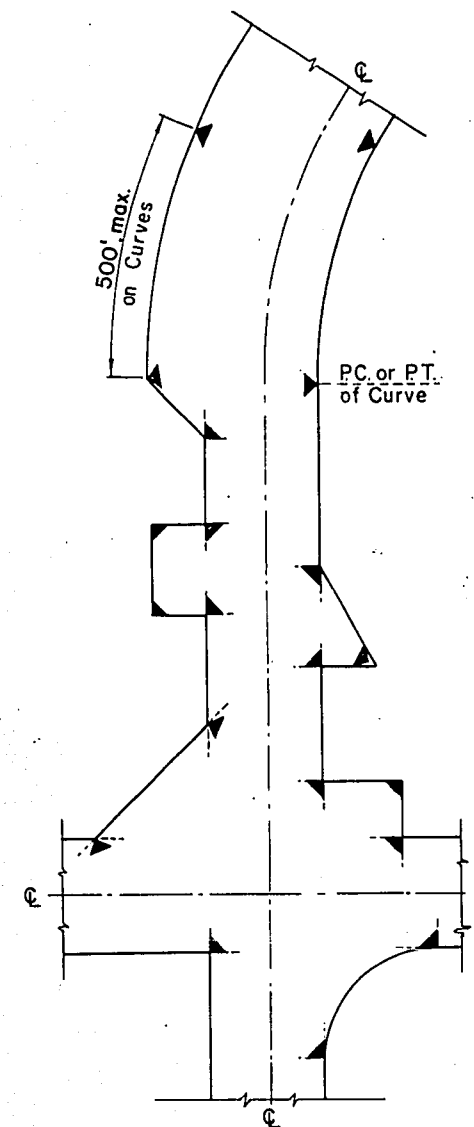
E. J. Byrkit  
CHIEF DESIGN ENGINEER

H. J. Darnestier  
STATE HIGHWAY ENGINEER

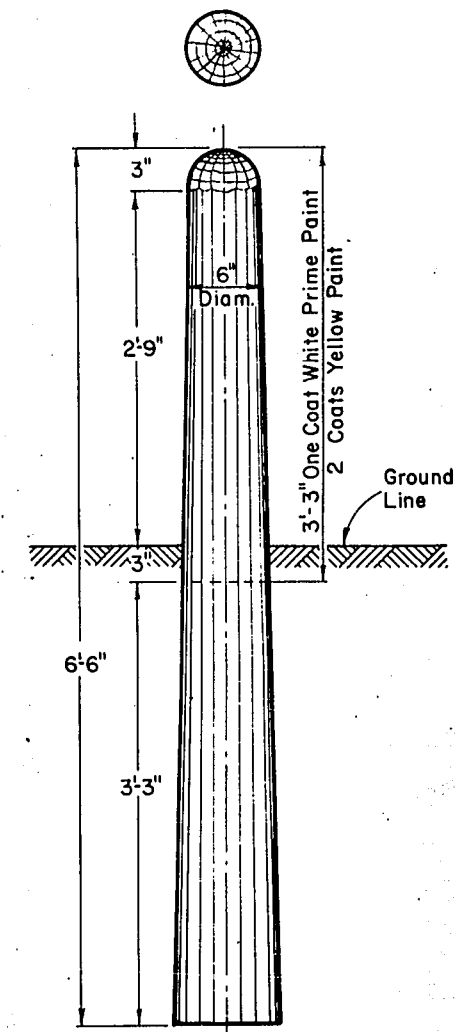




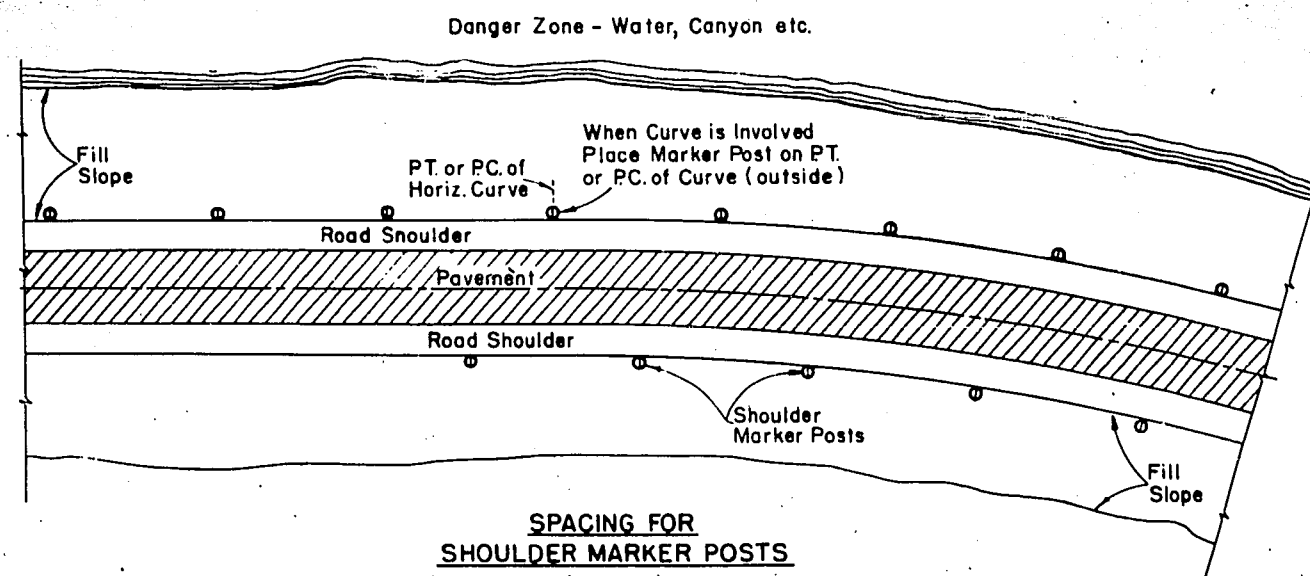
**MARKER POST FOR  
ROAD SHOULDERS**



**LOCATION DIAGRAM  
SHOWING TYPICAL LOCATIONS OF  
MARKER POSTS FOR RIGHT OF WAY**



**MARKER  
POST  
FOR  
RIGHT OF WAY**



**SPACING FOR  
SHOULDER MARKER POSTS**  
50' C:C for 100' to 500' Danger Zones  
100' C:C for Over 500' Danger Zones

**LOCATION DIAGRAM  
SHOWING RELATIVE LOCATIONS OF SHOULDER MARKER POSTS**

**MARKER POSTS FOR ROAD SHOULDERS**

**MARKER POST FOR RIGHT OF WAY**

#### GENERAL NOTES

Details of construction not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

#### MARKER POSTS FOR RIGHT OF WAY

Right of Way Marker Posts shall be erected in advance of grading operations. Posts shall be placed at the outer limits of the highway Right of Way, but entirely within the Right of Way, and shall be so placed that the outer edge of the posts shall be tangent to the Right of Way line or lines extended. The exact location of all Right of Way posts will be staked in the field by the Engineer.

#### REFLECTOR UNITS

Reflector Units shall be installed in road shoulder marker posts only. Reflector Units shall have plastic crystal lens 7/8" in diameter. Unit assembly shall be a minimum of 7/8" in length. Reflector Units shall be furnished with flared expanding metal clips for wood mounting. Units shall be mounted in tightest fit possible and securely staked in posts.

#### MARKER POSTS & MARKER POSTS FOR RIGHT OF WAY

State Highway Commission of Wisconsin

RECOMMENDED FOR APPROVAL

7/6/66  
DATE

APPROVED

7/9/66  
DATE

E. J. Byrkit  
CHIEF DESIGN ENGINEER

H. C. Lammert  
STATE HIGHWAY ENGINEER

Plate No. 7-1.3.5

11.1-41

## GENERAL NOTES

The contractor shall construct, place and maintain barricades as shown on the drawing and as required by the Standard Specifications or applicable Special Provisions.

### CLASS 1 BARRICADE:

Class 1 Barricades shall be of variable length as indicated, and long barricades shall be assembled from these units. The Class 1 Barricade is the type normally required for major operations, where the barricade will remain in place for extended periods. Class 1 Barricades shall be used at points where the road is closed to traffic. Gates or movable sections of a barricade shall be provided when necessary, for access of equipment or other authorized vehicles. Wing Barricades are Class 1 Barricades erected on the shoulder on one or both sides of the pavement to give Traffic the perceptive effect of a narrowing or restricted roadway. The ends closest to traffic of all three members of a wing barricade shall be in a vertical line. If used in a series, they should start at the outer edge of the shoulder and be brought progressively closer to the pavement. Wing Barricades may be used as a mounting for the advance warning or guide signs or for flashers. When used on two-way roadways, the back of the wing barricade shall be painted reflectorized white.

### CLASS 11 BARRICADE:

Class 11 Barricades may be used only where the hazard to traffic is relatively small, and for the more or less continuous delimiting of a restricted roadway, or for temporary daytime use.

### MATERIAL & FABRICATION:

Lumber shall be of a grade structurally sound and sufficiently rigid to satisfactorily support and maintain the purpose and intent of a barricade facility. Metal shall be sufficiently rigid to satisfactorily support and maintain the purpose and intent of a barricade facility. The fabrication of the barricade shall be in accord with good pertinent woodworking and metalworking practices. All lumber or timber dimensions stated are nominal.

### PAINTING:

All barricades shall be painted in alternate 4" or 6" black and white stripes at a 45° angle. The width of stripe shall be consistent for each complete barricade installation. Black stripes shall be painted with weather resistant and durable black paint. White stripes shall be primed, followed by two coats of white reflectorized paint or reflective wide angle sheeting.

### DIRECTION OF DIAGONAL STRIPES:

Where a barricade extends entirely across the roadway with no vehicle access provision, the stripes shall slope downward toward the highway centerline. Where vehicle access is permitted, the stripes shall slope downward in the direction toward which vehicles must turn in detouring. Where both right and left turns are provided for, the stripes shall slope downward in both directions from the center. The stripes on wing barricades shall point downward toward the roadway.

### LIGHTING:

Lighting devices for barricades shall conform to the requirements of the Standard Specifications.

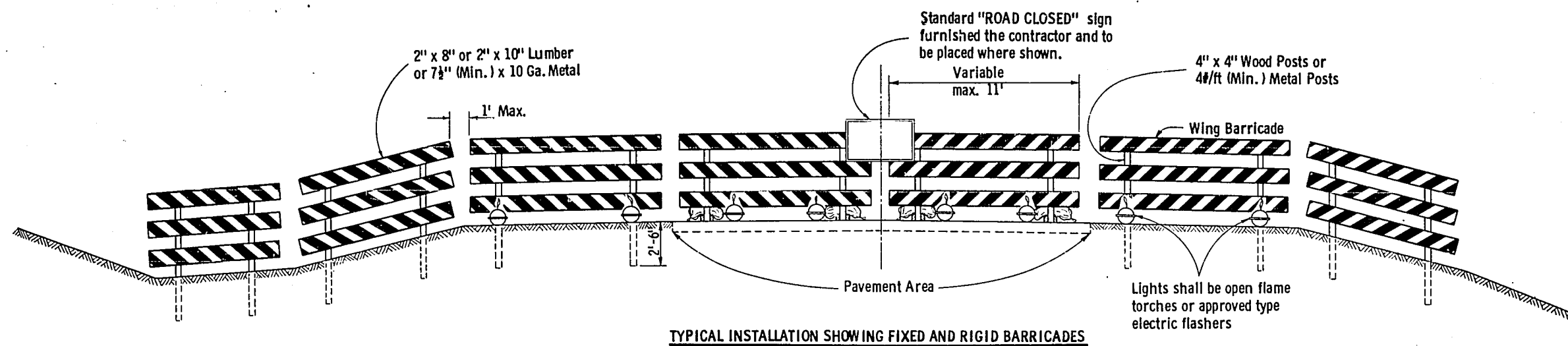
### MEASUREMENT & PAYMENT:

All barricades, unless otherwise provided for in the plans and/or special provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.

Alternate black & white stripes. See General Notes for direction of stripes

4" or 6" but constant for each barricade installation

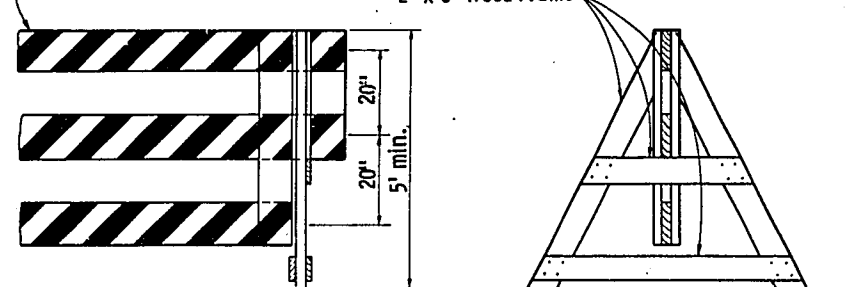
**TYPICAL DIAGONAL STRIPES**  
Applies to all Classes & Types of Barricades



TYPICAL INSTALLATION SHOWING FIXED AND RIGID BARRICADES

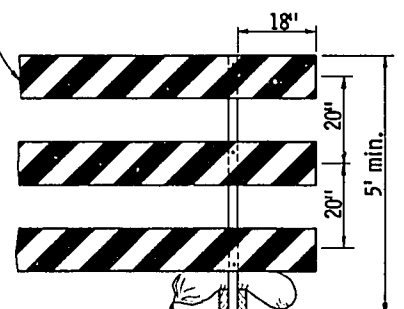
2" x 8" or 2" x 10" Lumber or 7 1/2" (Min.) x 10 Ga. Metal

2" x 6" Wood Frame



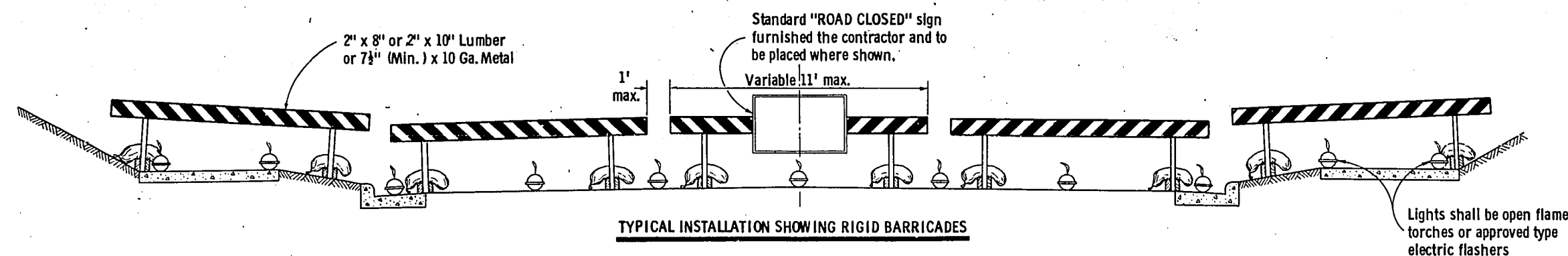
ALTERNATE TYPE INSTALLATION (DISMOUNTABLE)

2" x 8" or 2" x 10" Lumber or 7 1/2" (Min.) x 10 Ga. Metal



ALTERNATE TYPE INSTALLATION (RIGID)

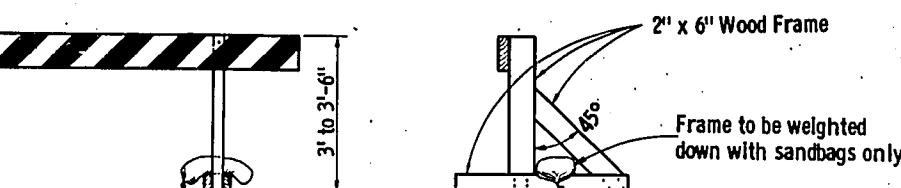
## CLASS I BARRICADES



TYPICAL INSTALLATION SHOWING RIGID BARRICADES

2" x 8" or 2" x 10" Lumber or 7 1/2" (Min.) x 10 Ga. Metal

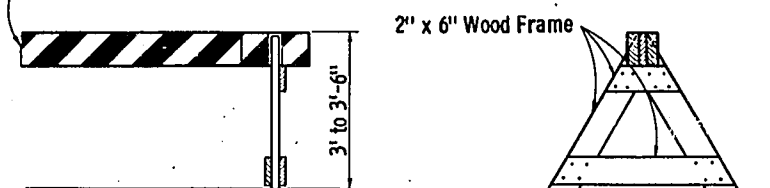
2" x 6" Wood Frame



ALTERNATE TYPE INSTALLATION (RIGID)

2" x 8" or 2" x 10" Lumber or 7 1/2" (Min.) x 10 Ga. Metal

2" x 6" Wood Frame

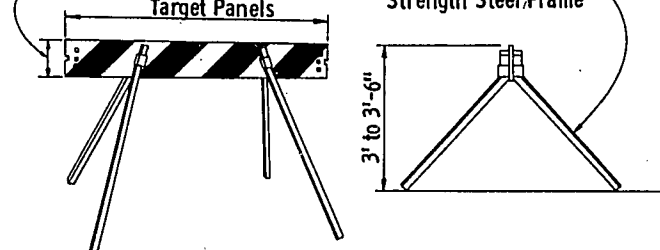


ALTERNATE TYPE INSTALLATION (DISMOUNTABLE)

7 1/2" Min.

3'-4'-5'-6'-8' \* Target Panels

14 Ga. High Tensile Strength Steel Frame



\* Maximum length of combination panels 16'

ALTERNATE TYPE INSTALLATION (DISMOUNTABLE)

## CLASS II BARRICADES

## CONSTRUCTION BARRICADE

State Highway Commission of Wisconsin

RECOMMENDED FOR APPROVAL:

1/1/67  
DATE

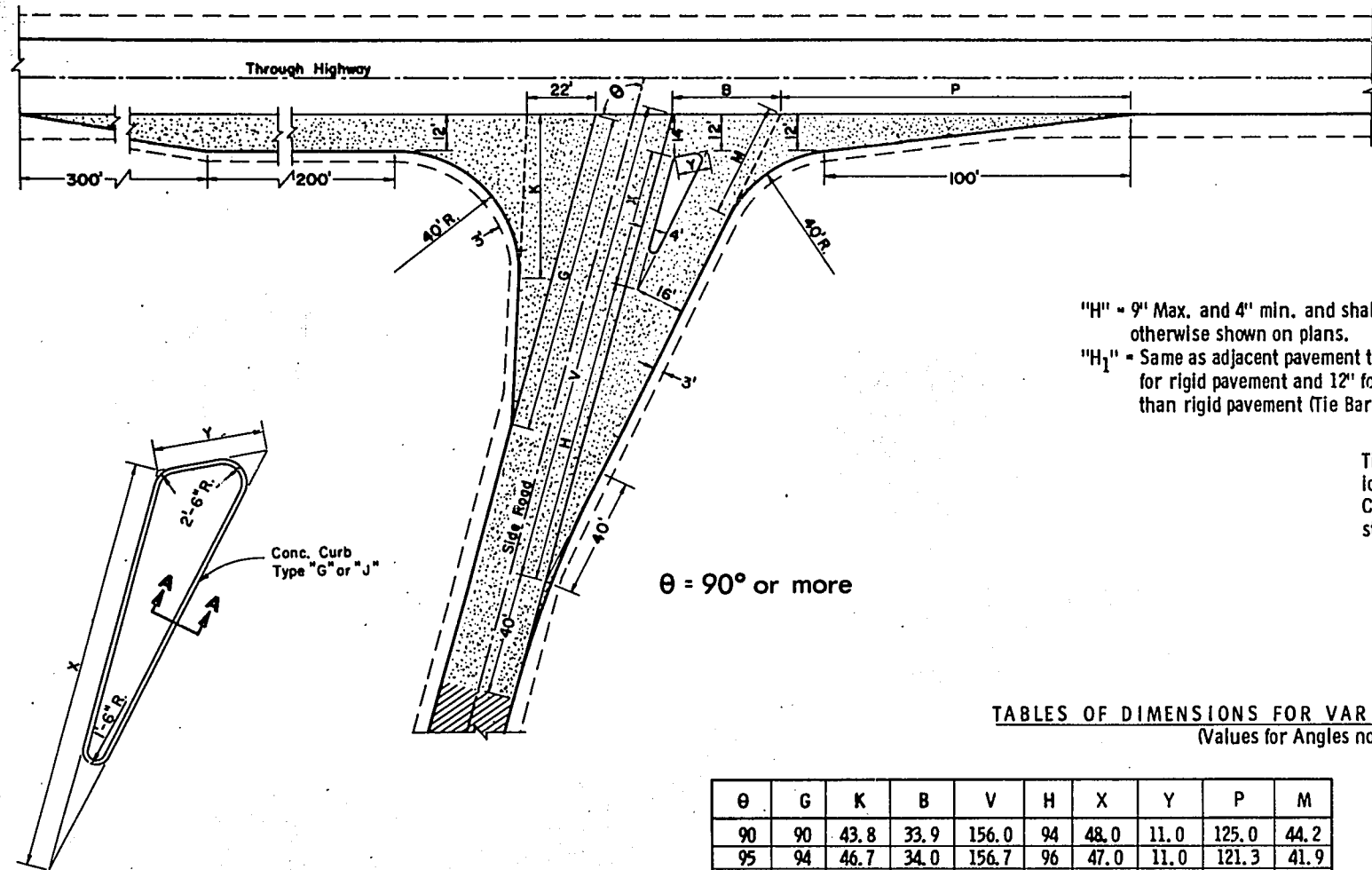
APPROVED:  
1/13/67  
DATE

E. J. B. DESIGN ENGINEER

STATE HIGHWAY ENGINEER

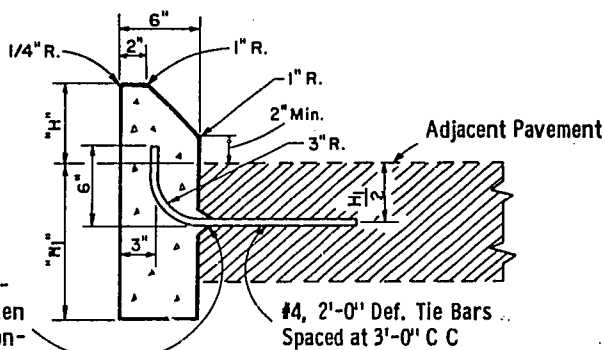






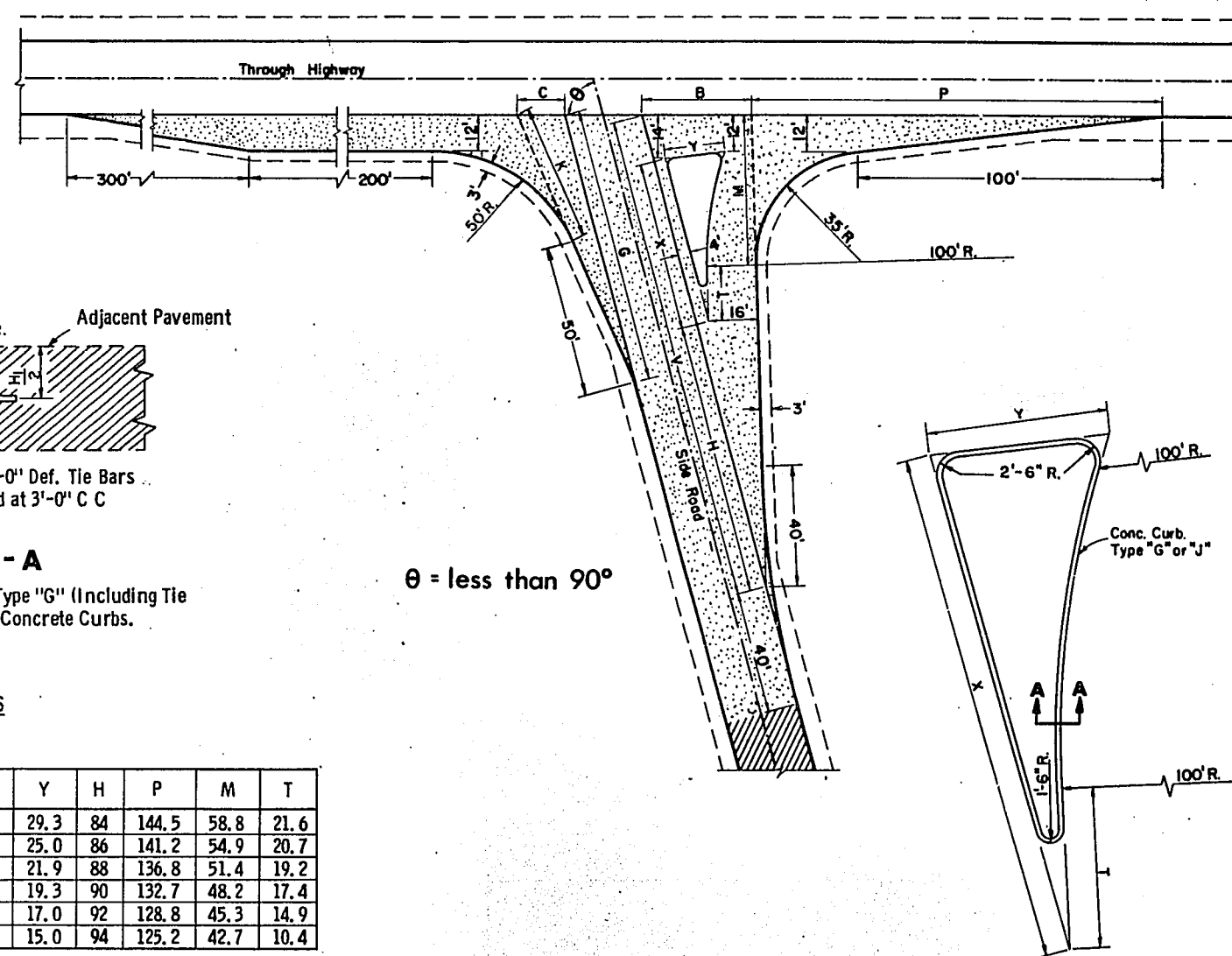
"H" = 9" Max. and 4" min. and shall be 6" unless otherwise shown on plans.  
 "H<sub>1</sub>" = Same as adjacent pavement thickness for rigid pavement and 12" for other than rigid pavement (Tie Bars Omitted).

Tie Bar recess positioned in reverse when Concrete Curb is constructed first



### SECTION A - A

Note: To be measured and paid for as Type "G" (Including Tie Bars) or Type "J" (Excluding Tie Bars) Concrete Curbs.



TABLES OF DIMENSIONS FOR VARIABLE SIDE ROAD INTERSECTION ANGLES  
 (Values for Angles not shown shall be interpolated)

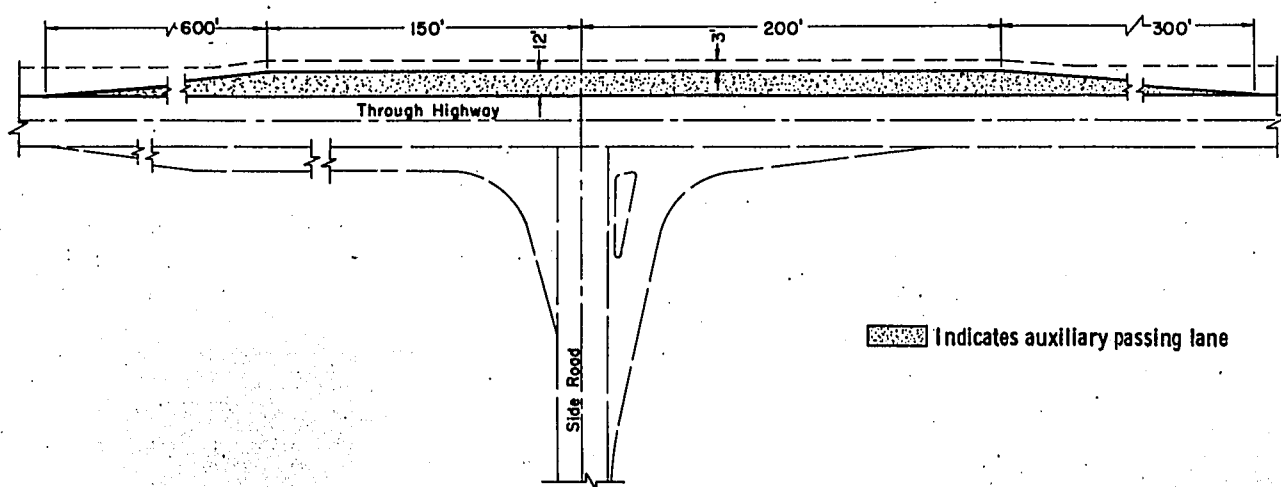
| θ    | G   | K    | B    | V     | H   | X    | Y    | P     | M    |
|------|-----|------|------|-------|-----|------|------|-------|------|
| 90   | 90  | 43.8 | 33.9 | 156.0 | 94  | 48.0 | 11.0 | 125.0 | 44.2 |
| 95   | 94  | 46.7 | 34.0 | 156.7 | 96  | 47.0 | 11.0 | 121.3 | 41.9 |
| 100  | 98  | 50.0 | 34.4 | 157.4 | 98  | 45.9 | 11.0 | 117.7 | 39.7 |
| 105  | 102 | 53.8 | 35.2 | 158.3 | 100 | 44.9 | 11.2 | 114.2 | 37.8 |
| 110  | 106 | 58.2 | 36.4 | 159.2 | 102 | 43.7 | 11.4 | 110.6 | 36.2 |
| 115  | 110 | 63.4 | 38.4 | 161.8 | 104 | 42.6 | 11.7 | 107.1 | 34.8 |
| *120 | 114 | 69.4 | 40.1 | 161.2 | 106 | 41.4 | 12.2 | 103.4 | 33.7 |

\*Maximum angle of intersection

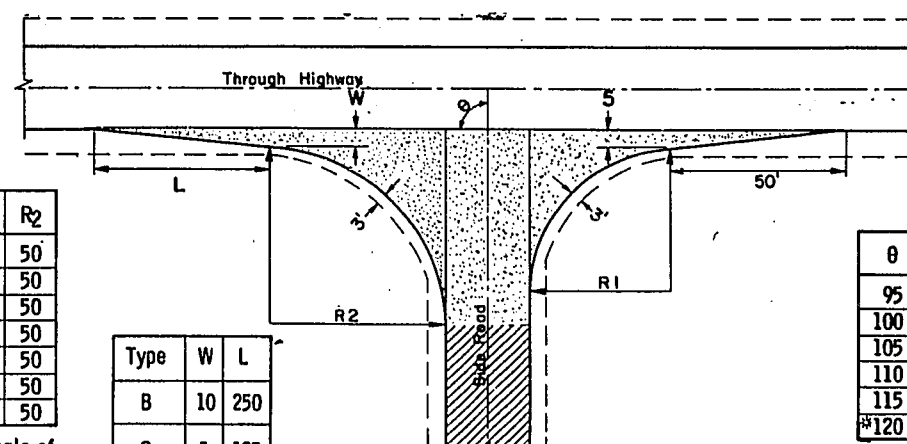
| θ   | C    | G    | K    | B    | V     | X    | Y    | H  | P     | M    | T    |
|-----|------|------|------|------|-------|------|------|----|-------|------|------|
| *60 | 19.7 | 76.3 | 38.6 | 41.5 | 169.9 | 67.4 | 29.3 | 84 | 144.5 | 58.8 | 21.6 |
| 65  | 17.8 | 82.6 | 40.6 | 39.4 | 166.9 | 63.6 | 25.0 | 86 | 141.2 | 54.9 | 20.7 |
| 70  | 15.8 | 87.2 | 43.1 | 37.4 | 164.1 | 59.7 | 21.9 | 88 | 136.8 | 51.4 | 19.2 |
| 75  | 15.7 | 90.9 | 45.6 | 35.7 | 161.4 | 55.9 | 19.3 | 90 | 132.7 | 48.2 | 17.4 |
| 80  | 15.9 | 94.9 | 48.3 | 34.4 | 158.9 | 51.9 | 17.0 | 92 | 128.8 | 45.3 | 14.9 |
| 85  | 16.2 | 99.3 | 51.4 | 33.4 | 156.4 | 48.0 | 15.0 | 94 | 125.2 | 42.7 | 10.4 |

\*Desirable Minimum angle of intersection

### TYPE "A" SIDE ROAD INTERSECTION DETAILS



### PASSING LANE DETAIL



| θ   | R <sub>1</sub> | R <sub>2</sub> |
|-----|----------------|----------------|
| *60 | 40             | 50             |
| 65  | 40             | 50             |
| 70  | 40             | 50             |
| 75  | 40             | 50             |
| 80  | 40             | 50             |
| 85  | 40             | 50             |
| 90  | 40             | 50             |

\*Min. Angle of Intersection

| Type | W  | L   |
|------|----|-----|
| B    | 10 | 250 |
| C    | 5  | 125 |

| θ    | R <sub>1</sub> | R <sub>2</sub> |
|------|----------------|----------------|
| 95   | 45             | 49             |
| 100  | 50             | 48             |
| 105  | 55             | 47             |
| 110  | 60             | 46             |
| 115  | 65             | 45             |
| *120 | 70             | 44             |

\*Max. Angle of Intersection

### GENERAL NOTES

Designs may be used interchangeably in combination or separately for any one complete intersection depending upon intersection angle and surfacing of each approach roadway.

Details on this drawing are for minimum design only, and not applicable to special conditions, as shown elsewhere on the plans.

### SIDE ROAD SURFACING NOTE

If the side road is not presently paved, pavement shall be placed to the limits shown. In the case where the construction limits are beyond the paving limits, gravel or crushed stone surfacing shall be placed between the paving limits and construction limits.

If the side road is presently paved, new pavement shall be placed to the limits of design as shown and beyond, if necessary, to meet existing pavement.

If side road is the construction project, the intersection surfacing shall be the same as for the project.

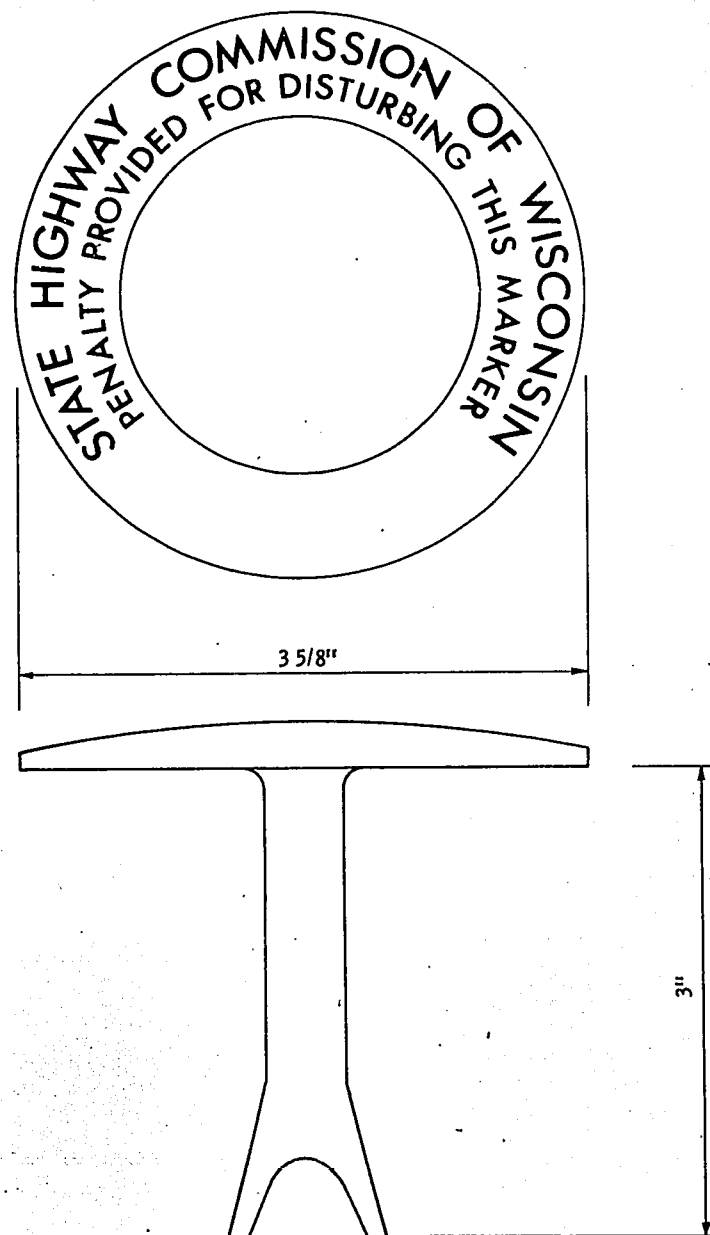
New Pavement  
 Existing Surface

### LAYOUT DETAILS FOR AT-GRADE SIDE ROAD INTERSECTIONS

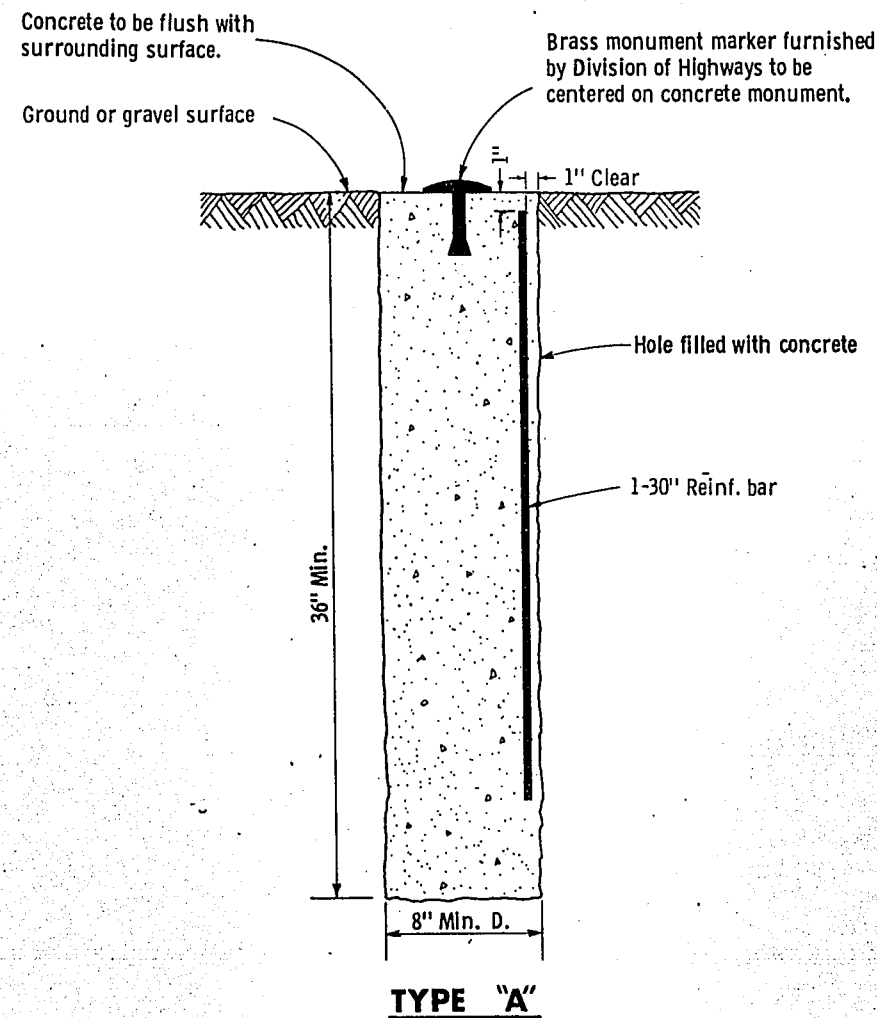
State Highway Commission of Wisconsin

RECOMMENDED FOR APPROVAL: *E. J. Rydell*  
 DATE: 3/9/67  
 APPROVED: *D. J. Summerville*  
 DATE: 6/9/67  
 STATE HIGHWAY ENGINEER

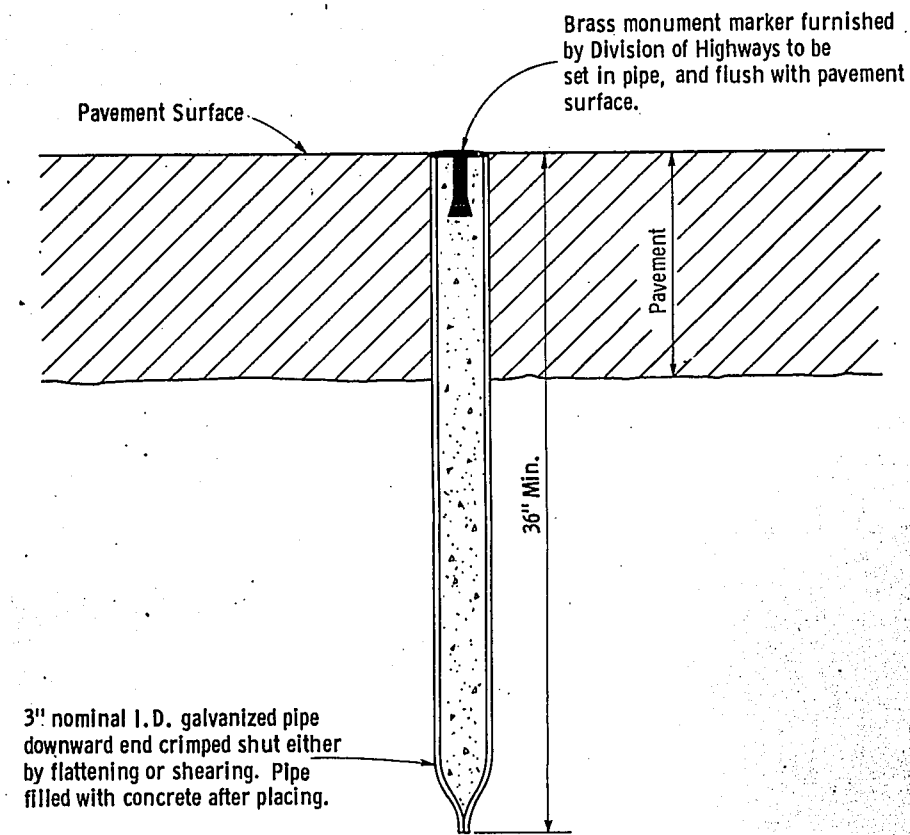




**BRASS  
MONUMENT MARKER**  
To be furnished to contractor by  
Division of Highways



To be used only when monument is required outside of pavement surface.



**TYPE "B"**

To be used only when monument is required to be located within the limits of a pavement surface.

**GENERAL NOTES**

Details of construction, materials and workmanship not shown on this drawing shall conform to the Standard Specifications and the applicable Special Provisions.

Monuments conforming to Type "A" or Type "B", as shown hereon, shall be placed at the direction of the engineer.

**LANDMARK REFERENCE  
MONUMENTS**

State of Wisconsin  
Department of Transportation  
Division of Highways

RECOMMENDED FOR APPROVAL:  
DATE 1/25/68 E. J. Byrkit CHIEF DESIGN ENGINEER  
APPROVED:  
DATE 2/9/68 H. F. Lumsden STATE HIGHWAY ENGINEER

| 11/06/69   |           | 1        | FULTON INDIANFORD SECTION CTH M |                                  |                   |                  |                               | 3656 2.00 13 |           |                  | EARTHWORK ESTIMATES |                    |                   | PAGE             | 1          |
|------------|-----------|----------|---------------------------------|----------------------------------|-------------------|------------------|-------------------------------|--------------|-----------|------------------|---------------------|--------------------|-------------------|------------------|------------|
| STA        | FILL AREA | CUT AREA | FILL VOLUME                     | CUT VOLUME                       | ACCUM FILL VOLUME | ACCUM CUT VOLUME | COMPACTION FACTORS COMMON M/R | MARSH AREA   | ROCK AREA | MARSH CUT & FILL | ROCK VOLUME         | ACCUM MARSH VOLUME | ACCUM ROCK VOLUME | ACCUM NET VOLUME | GRASS AREA |
| 16+32      |           |          | 186                             | 43                               | 186               | 43               | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 17+00      | 148       | 35       | 186                             | 30                               | 186               | 30               | .700                          |              |           |                  |                     |                    |                   | 156-             |            |
|            |           |          | 497                             | 82                               | 683               | 125              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 18+00      | 121       | 10       | 497                             | 57                               | 683               | 87               | .700                          |              |           |                  |                     |                    |                   | 596-             |            |
|            |           |          | 457                             | 24                               | 1140              | 149              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 19+00      | 127       | 4        | 457                             | 17                               | 1140              | 104              | .700                          |              |           |                  |                     |                    |                   | 1036-            |            |
|            |           |          | 465                             | 11                               | 1605              | 160              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 20+00      | 125       | 2        | 465                             | 7                                | 1605              | 111              | .700                          |              |           |                  |                     |                    |                   | 1494-            |            |
|            |           |          | 449                             | 9                                | 2054              | 169              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 21+00      | 118       | 3        | 449                             | 6                                | 2054              | 117              | .700                          |              |           |                  |                     |                    |                   | 1937-            |            |
|            |           |          | 472                             | 9                                | 2526              | 178              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 22+00      | 137       | 2        | 472                             | 6                                | 2526              | 123              | .700                          |              |           |                  |                     |                    |                   | 2403-            |            |
|            |           |          | 294                             | 80                               | 2820              | 258              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 23+00      | 22        | 41       | 294                             | 56                               | 2820              | 179              | .700                          |              |           |                  |                     |                    |                   | 2641-            |            |
|            |           |          | 98                              | 126                              | 2918              | 384              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 24+00      | 31        | 27       | 98                              | 88                               | 2918              | 267              | .700                          |              |           |                  |                     |                    |                   | 2651-            |            |
|            |           |          | 264                             | 100                              | 3182              | 484              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 25+00      | 111       | 27       | 264                             | 70                               | 3182              | 337              | .700                          |              |           |                  |                     |                    |                   | 2845-            |            |
|            |           |          | 281                             | 68                               | 3703              | 552              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| ADD VOLUME |           |          | 281                             | 47                               | 3703              | 384              |                               |              |           |                  |                     |                    |                   | 3319-            |            |
|            |           |          | 240                             | SIDE RD RT B-LINE                |                   |                  |                               |              |           |                  |                     |                    |                   |                  |            |
| 26+00      | 41        | 10       | 240                             |                                  |                   |                  |                               |              |           |                  |                     |                    |                   |                  |            |
|            |           |          | 233                             | 17                               | 4136              | 569              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| ADD VOLUME |           |          | 233                             | 12                               | 4136              | 396              |                               |              |           |                  |                     |                    |                   | 3740-            |            |
|            |           |          | 200                             | CHANNEL CHANGE CH LINE RT AND LT |                   |                  |                               |              |           |                  |                     |                    |                   |                  |            |
| 27+00      | 85        |          | 200                             |                                  |                   |                  |                               |              |           |                  |                     |                    |                   |                  |            |
|            |           |          | 377                             |                                  | 4513              | 569              |                               |              |           |                  |                     |                    |                   |                  |            |
| 28+00      | 119       |          | 377                             |                                  | 4513              | 396              |                               |              |           |                  |                     |                    |                   | 4117-            |            |

## STATE HIGHWAY COMMISSION OF WISCONSIN

ORIGINAL- 1333

| 11/06/69 |           | 1        | FULTON INDIANFORD SECTION CTH M |            |                   |                  |                               | 3656 2 00 13 |           |                  | EARTHWORK ESTIMATES |                    |                   | PAGE             | 2          |
|----------|-----------|----------|---------------------------------|------------|-------------------|------------------|-------------------------------|--------------|-----------|------------------|---------------------|--------------------|-------------------|------------------|------------|
| STA      | FILL AREA | CUT AREA | FILL VOLUME                     | CUT VOLUME | ACCUM FILL VOLUME | ACCUM CUT VOLUME | COMPACTION FACTORS COMMON M/R | MARSH AREA   | ROCK AREA | MARSH CUT & FILL | ROCK VOLUME         | ACCUM MARSH VOLUME | ACCUM ROCK VOLUME | ACCUM NET VOLUME | GRASS AREA |
| 28+00    | 119       |          |                                 |            |                   |                  |                               |              |           |                  |                     |                    |                   |                  |            |
|          |           |          | 554                             | 4          | 5067              | 573              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 29+00    | 181       | 2        | 554                             | 3          | 5067              | 399              |                               |              |           |                  |                     |                    |                   | 4668-            |            |
|          |           |          | 747                             | 9          | 5814              | 582              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 30+00    | 223       | 3        | 747                             | 6          | 5814              | 405              |                               |              |           |                  |                     |                    |                   | 5409-            |            |
|          |           |          | 803                             | 17         | 6617              | 599              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 31+00    | 210       | 6        | 803                             | 11         | 6617              | 416              |                               |              |           |                  |                     |                    |                   | 6201-            |            |
|          |           |          | 555                             | 70         | 7172              | 669              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 32+00    | 90        | 32       | 555                             | 49         | 7172              | 465              |                               |              |           |                  |                     |                    |                   | 6707-            |            |
|          |           |          | 229                             | 206        | 7401              | 875              | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 33+00    | 34        | 80       | 229                             | 144        | 7401              | 609              |                               |              |           |                  |                     |                    |                   | 6792-            |            |
|          |           |          | 198                             | 193        | 7599              | 1068             | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 34+00    | 73        | 24       | 198                             | 135        | 7599              | 744              |                               |              |           |                  |                     |                    |                   | 6855-            |            |
|          |           |          | 395                             | 45         | 7994              | 1113             | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 35+00    | 141       |          | 395                             | 31         | 7994              | 775              |                               |              |           |                  |                     |                    |                   | 7219-            |            |
|          |           |          | 542                             |            | 8536              | 1113             |                               |              |           |                  |                     |                    |                   |                  |            |
| 36+00    | 153       |          | 542                             |            | 8536              | 775              |                               |              |           |                  |                     |                    |                   | 7761-            |            |
|          |           |          | 475                             |            | 9011              | 1113             |                               |              |           |                  |                     |                    |                   |                  |            |
| 37+00    | 104       |          | 475                             |            | 9011              | 775              |                               |              |           |                  |                     |                    |                   | 8236-            |            |
|          |           |          | 251                             | 27         | 9262              | 1140             | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 38+00    | 31        | 15       | 251                             | 19         | 9262              | 794              |                               |              |           |                  |                     |                    |                   | 8468-            |            |
|          |           |          | 58                              | 578        | 9320              | 1718             | .700                          |              |           |                  |                     |                    |                   |                  |            |
| 39+00    |           | 298      | 58                              | 404        | 9320              | 1198             |                               |              |           |                  |                     |                    |                   | 8122-            |            |
|          |           |          |                                 |            | 1599              | 9320             | 3317                          | .700         |           |                  |                     |                    |                   |                  |            |
| 40+00    |           | 566      |                                 |            | 1119              | 9320             | 2317                          |              |           |                  |                     |                    |                   | 7003-            |            |
|          |           |          |                                 |            | 2027              | 9320             | 5344                          | .700         |           |                  |                     |                    |                   |                  |            |
| 41+00    |           | 529      |                                 |            | 1419              | 9320             | 3736                          |              |           |                  |                     |                    |                   | 5584-            |            |

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ORIGINAL- 1333

| 11/06/69       |           | 1        | FULTON INDIANFORD SECTION CTH M |            |                   |                  |                               | 3656 2 00 13                 |           |                  |             | EARTHWORK ESTIMATES |                   |                  | PAGE       | 3 |
|----------------|-----------|----------|---------------------------------|------------|-------------------|------------------|-------------------------------|------------------------------|-----------|------------------|-------------|---------------------|-------------------|------------------|------------|---|
| STA            | FILL AREA | CUT AREA | FILL VOLUME                     | CUT VOLUME | ACCUM FILL VOLUME | ACCUM CUT VOLUME | COMPACTION FACTORS COMMON M/R | MARSH AREA                   | ROCK AREA | MARSH CUT & FILL | ROCK VOLUME | ACCUM MARSH VOLUME  | ACCUM ROCK VOLUME | ACCUM NET VOLUME | GRASS AREA |   |
| 41+00          |           | 529      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 1738       | 9320              | 7082             | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 1216       | 9320              | 4952             |                               |                              |           |                  |             |                     |                   | 4368-            |            |   |
| 42+00          |           | 410      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 1354       | 9320              | 8436             | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 948        | 9320              | 5900             |                               |                              |           |                  |             |                     |                   | 3420-            |            |   |
| 43+00          |           | 321      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 1115       | 9320              | 9551             | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 780        | 9320              | 6680             |                               |                              |           |                  |             |                     |                   | 2640-            |            |   |
| 44+00          |           | 281      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 3                               | 907        | 9323              | 10458            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 3                               | 635        | 9323              | 7315             |                               |                              |           |                  |             |                     |                   | 2008-            |            |   |
| 45+00          | 2         | 209      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 29                              | 692        | 9352              | 11150            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 29                              | 484        | 9352              | 7799             |                               |                              |           |                  |             |                     |                   | 1553-            |            |   |
| 46+00          | 14        | 165      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 95                              | 556        | 9447              | 11706            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 95                              | 389        | 9447              | 8188             |                               |                              |           |                  |             |                     |                   | 1259-            |            |   |
| 47+00          | 38        | 136      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 167                             | 626        | 9614              | 12332            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 167                             | 438        | 9614              | 8626             |                               |                              |           |                  |             |                     |                   | 988-             |            |   |
| 48+00          | 53        | 203      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 171                             | 884        | 9785              | 13216            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 171                             | 618        | 9785              | 9244             |                               |                              |           |                  |             |                     |                   | 541-             |            |   |
| 49+00          | 40        | 275      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 59                              | 857        | 9844              | 14073            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 59                              | 600        | 9844              | 9844             |                               |                              |           |                  |             |                     |                   |                  |            |   |
| 49+79          |           |          |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 |            |                   |                  |                               | UNCLASSIFIED EX. FILL E.B.S. |           | =                | 14,073 C.Y. |                     |                   | BALANCE          |            |   |
|                |           |          |                                 |            |                   |                  |                               |                              |           | =                | 9,844 C.Y.  |                     |                   |                  |            |   |
|                |           |          |                                 |            |                   |                  |                               |                              |           | =                | 537 C.Y.    |                     |                   |                  |            |   |
| BALANCE TOTALS |           |          |                                 |            | 9844              | 14073            |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 |            | 9844              | 9844             |                               |                              |           |                  |             |                     |                   |                  |            |   |
| 49+79          |           |          |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 15                              | 219        | 9859              | 14292            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          | 15                              | 153        | 9859              | 9997             |                               |                              |           |                  |             |                     |                   | 138              |            |   |
| 50+00          |           | 307      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 1419       | 9859              | 15711            | .700                          |                              |           |                  |             |                     |                   |                  |            |   |
|                |           |          |                                 | 593        | 9859              | 10990            |                               |                              |           |                  |             |                     |                   | 1131             |            |   |
| 51+00          |           | 460      |                                 |            |                   |                  |                               |                              |           |                  |             |                     |                   |                  |            |   |

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|----------------|-----------|----------|-------------|---------------------------------|-------------------|------------------|-------------------------------|--------------|-----------|------------------|-------------|---------------------|-------------------|------------------|------------|--|
| STA            | FILL AREA | CUT AREA | FILL VOLUME | CUT VOLUME                      | ACCUM FILL VOLUME | ACCUM CUT VOLUME | COMPACTION FACTORS COMMON M/R | MARSH AREA   | ROCK AREA | MARSH CUT & FILL | ROCK VOLUME | ACCUM MARSH VOLUME  | ACCUM ROCK VOLUME | ACCUM NET VOLUME | GRASS AREA |  |
| 51+00          |           | 460      |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             | 1905                            | 9859              | 17616            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             | 1333                            | 9859              | 12323            |                               |              |           |                  |             |                     |                   | 2464             |            |  |
| 52+00          |           | 569      |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             | 2186                            | 9859              | 19802            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             | 1530                            | 9859              | 13853            |                               |              |           |                  |             |                     |                   | 3994             |            |  |
| 53+00          |           | 612      |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             | 1826                            | 9859              | 21628            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             | 1278                            | 9859              | 15131            |                               |              |           |                  |             |                     |                   | 5272             |            |  |
| 54+00          |           | 375      |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 134         | 723                             | 9993              | 22351            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 134         | 506                             | 9993              | 15637            |                               |              |           |                  |             |                     |                   | 5644             |            |  |
| 55+00          | 73        | 16       |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 572         | 29                              | 10565             | 22380            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 572         | 20                              | 10565             | 15657            |                               |              |           |                  |             |                     |                   | 5092             |            |  |
| 56+00          | 237       |          |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1038        |                                 | 11603             | 22380            |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1038        |                                 | 11603             | 15657            |                               |              |           |                  |             |                     |                   | 4054             |            |  |
| 57+00          | 324       |          |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1236        | 3                               | 12839             | 22383            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1236        | 2                               | 12839             | 15659            |                               |              |           |                  |             |                     |                   | 2820             |            |  |
| 58+00          | 344       | 2        |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1321        | 3                               | 14160             | 22386            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1321        | 2                               | 14160             | 15661            |                               |              |           |                  |             |                     |                   | 1501             |            |  |
| 59+00          | 370       |          |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1117        |                                 | 15277             | 22386            |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 1117        |                                 | 15277             | 15661            |                               |              |           |                  |             |                     |                   | 384              |            |  |
| 60+00          | 234       |          |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 402         | 26                              | 15679             | 22412            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 402         | 18                              | 15679             | 15679            |                               |              |           |                  |             |                     |                   | BALANCE          |            |  |
| 60+72          |           |          |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
| BALANCE TOTALS |           |          |             |                                 | 5835              | 1333             |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          |             |                                 | 5835              | 5835             |                               |              |           |                  |             |                     |                   |                  |            |  |
| 60+72          |           |          |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 150         | 10                              | 15829             | 22422            | .700                          |              |           |                  |             |                     |                   |                  |            |  |
|                |           |          | 150         | 7                               | 15829             | 15686            |                               |              |           |                  |             |                     |                   | 143-             |            |  |
| 61+00          | 65        | 20       |             |                                 |                   |                  |                               |              |           |                  |             |                     |                   |                  |            |  |

| 11/06/69       |              | 1           | FULTON INDIANFORD SECTION CTH M |               |                         |                        |                                     |                  | 3656 2 00 13 |                        | EARTHWORK ESTIMATES |                          |                         | PAGE                   | 5             |
|----------------|--------------|-------------|---------------------------------|---------------|-------------------------|------------------------|-------------------------------------|------------------|--------------|------------------------|---------------------|--------------------------|-------------------------|------------------------|---------------|
| STA            | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                  | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA    | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME      | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |
| 61+00          | 65           | 20          |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 119                             | 263           | 15948                   | 22685                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 119                             | 184           | 15948                   | 15870                  |                                     |                  |              |                        |                     |                          |                         |                        | 78-           |
| 62+00          |              | 123         |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 87                              | 237           | 16035                   | 22922                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 87                              | 165           | 16035                   | 16035                  |                                     |                  |              |                        |                     |                          |                         |                        | BALANCE       |
| 62+93          |              |             |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
| BALANCE TOTALS |              |             |                                 |               | <del>356</del>          | <del>510</del>         |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             |                                 |               | 356                     | 356                    |                                     |                  |              |                        |                     |                          |                         |                        |               |
| 62+93          |              |             |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 6                               | 15            | 16041                   | 22937                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 6                               | 11            | 16041                   | 16046                  |                                     |                  |              |                        |                     |                          |                         |                        | 5             |
| 63+00          | 51           | 14          |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 7                               | 3             | 16048                   | 22940                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 7                               | 2             | 16048                   | 16048                  |                                     |                  |              |                        |                     |                          |                         |                        |               |
| 63+02          |              |             |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             |                                 |               |                         |                        |                                     | UNCLASSIFIED EX. | =            | 8,867 C.Y.             |                     |                          |                         | BALANCE                |               |
|                |              |             |                                 |               |                         |                        |                                     | FILL             | =            | 6,204 C.Y.             |                     |                          |                         |                        |               |
|                |              |             |                                 |               |                         |                        |                                     | E.B.S.           | =            | 250 C.Y.               |                     |                          |                         |                        |               |
| BALANCE TOTALS |              |             |                                 |               | <del>13</del>           | <del>18</del>          |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             |                                 |               | 13                      | 13                     |                                     |                  |              |                        |                     |                          |                         |                        |               |
| 63+02          |              |             |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 264                             | 98            | 16312                   | 23038                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 264                             | 69            | 16312                   | 16117                  |                                     |                  |              |                        |                     |                          |                         |                        | 195-          |
| 64+00          | 96           | 41          |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 434                             | 105           | 16746                   | 23143                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 434                             | 73            | 16746                   | 16190                  |                                     |                  |              |                        |                     |                          |                         |                        | 556-          |
| 65+00          | 139          | 16          |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 579                             | 31            | 17325                   | 23174                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 579                             | 21            | 17325                   | 16211                  |                                     |                  |              |                        |                     |                          |                         |                        | 1114-         |
| 66+00          | 174          | 1           |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 669                             | 1             | 17994                   | 23175                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 669                             | 1             | 17994                   | 16212                  |                                     |                  |              |                        |                     |                          |                         |                        | 1782-         |
| 67+00          | 187          |             |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 679                             |               | 18673                   | 23175                  |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 679                             |               | 18673                   | 16212                  |                                     |                  |              |                        |                     |                          |                         |                        | 2461-         |
| 68+00          | 180          |             |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 550                             | 11            | 19223                   | 23186                  | .700                                |                  |              |                        |                     |                          |                         |                        |               |
|                |              |             | 550                             | 8             | 19223                   | 16220                  |                                     |                  |              |                        |                     |                          |                         |                        | 3003-         |
| 69+00          | 117          | 6           |                                 |               |                         |                        |                                     |                  |              |                        |                     |                          |                         |                        |               |

| 11/06/69 |           | 1        | FULTON INDIANFORD SECTION CTH M |            |                   |                  |                               |            |           | 3656 2 00 13     |             |                    | EARTHWORK ESTIMATES |                  |            | PAGE 6 |  |
|----------|-----------|----------|---------------------------------|------------|-------------------|------------------|-------------------------------|------------|-----------|------------------|-------------|--------------------|---------------------|------------------|------------|--------|--|
| STA      | FILL AREA | CUT AREA | FILL VOLUME                     | CUT VOLUME | ACCUM FILL VOLUME | ACCUM CUT VOLUME | COMPACTION FACTORS COMMON M/R | MARSH AREA | ROCK AREA | MARSH CUT & FILL | ROCK VOLUME | ACCUM MARSH VOLUME | ACCUM ROCK VOLUME   | ACCUM NET VOLUME | GRASS AREA |        |  |
| 69+00    | 117       | 6        |                                 |            |                   |                  |                               |            |           |                  |             |                    |                     |                  |            |        |  |
|          |           |          | 241                             | 126        | 19464             | 23312            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 70+00    | 13        | 62       | 241                             | 90         | 19464             | 16310            |                               |            |           |                  |             |                    |                     | 3154-            |            |        |  |
|          |           |          | 24                              | 472        | 19488             | 23784            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 71+00    |           | 193      | 24                              | 339        | 19488             | 16649            |                               |            |           |                  |             |                    |                     | 2839-            |            |        |  |
|          |           |          |                                 | 939        | 19488             | 24723            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 72+00    |           | 314      |                                 | 676        | 19488             | 17325            |                               |            |           |                  |             |                    |                     | 2163-            |            |        |  |
|          |           |          |                                 | 1183       | 19488             | 25906            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 73+00    |           | 325      |                                 | 852        | 19488             | 18177            |                               |            |           |                  |             |                    |                     | 1311-            |            |        |  |
|          |           |          |                                 | 966        | 19488             | 26872            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 74+00    |           | 197      |                                 | 695        | 19488             | 18872            |                               |            |           |                  |             |                    |                     | 616-             |            |        |  |
|          |           |          | 18                              | 497        | 19506             | 27369            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 75+00    | 10        | 71       | 18                              | 357        | 19506             | 19229            |                               |            |           |                  |             |                    |                     | 277-             |            |        |  |
|          |           |          | 221                             | 134        | 19727             | 27503            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 76+00    | 109       | 1        | 221                             | 96         | 19727             | 19325            |                               |            |           |                  |             |                    |                     | 402-             |            |        |  |
|          |           |          | 523                             | 1          | 20250             | 27504            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 77+00    | 173       |          | 523                             | 1          | 20250             | 19326            |                               |            |           |                  |             |                    |                     | 924-             |            |        |  |
|          |           |          | 628                             | 1          | 20878             | 27505            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 78+00    | 166       | 1        | 628                             | 1          | 20878             | 19327            |                               |            |           |                  |             |                    |                     | 1551-            |            |        |  |
|          |           |          | 558                             | 3          | 21436             | 27508            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 79+00    | 135       | 1        | 558                             | 2          | 21436             | 19329            |                               |            |           |                  |             |                    |                     | 2107-            |            |        |  |
|          |           |          | 363                             | 20         | 21799             | 27528            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 80+00    | 61        | 10       | 363                             | 14         | 21799             | 19343            |                               |            |           |                  |             |                    |                     | 2456-            |            |        |  |
|          |           |          | 120                             | 130        | 21919             | 27658            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 81+00    | 4         | 61       | 120                             | 94         | 21919             | 19437            |                               |            |           |                  |             |                    |                     | 2482-            |            |        |  |
|          |           |          | 16                              | 281        | 21935             | 27939            | .720                          |            |           |                  |             |                    |                     |                  |            |        |  |
| 82+00    | 5         | 91       | 16                              | 202        | 21935             | 19639            |                               |            |           |                  |             |                    |                     | 2296-            |            |        |  |

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| 11/06/69 |              | 1           | FULTON INDIANFORD SECTION CTH M |               |                         |                        |                                     | 3656 2 00 13  |              |                        | EARTHWORK ESTIMATES |                          |                         | PAGE                   | 7             |
|----------|--------------|-------------|---------------------------------|---------------|-------------------------|------------------------|-------------------------------------|---------------|--------------|------------------------|---------------------|--------------------------|-------------------------|------------------------|---------------|
| STA      | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                  | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME      | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |
| 82+00    | 5            | 91          |                                 |               |                         |                        |                                     |               |              |                        |                     |                          |                         |                        |               |
|          |              |             | 19                              | 308           | 21954                   | 28247                  | .720                                |               |              |                        |                     |                          |                         |                        |               |
| 83+00    | 6            | 75          | 19                              | 221           | 21954                   | 19860                  |                                     |               |              |                        |                     |                          |                         | 2094-                  |               |
|          |              |             | 120                             | 209           | 22074                   | 28456                  | .720                                |               |              |                        |                     |                          |                         |                        |               |
| 84+00    | 59           | 38          | 120                             | 151           | 22074                   | 20011                  |                                     |               |              |                        |                     |                          |                         | 2063-                  |               |
|          |              |             | 176                             | 181           | 22250                   | 28637                  | .720                                |               |              |                        |                     |                          |                         |                        |               |
| 85+00    | 36           | 60          | 176                             | 130           | 22250                   | 20141                  |                                     |               |              |                        |                     |                          |                         | 2109-                  |               |
|          |              |             | 76                              | 368           | 22326                   | 29005                  | .720                                |               |              |                        |                     |                          |                         |                        |               |
| 86+00    | 5            | 139         | 76                              | 265           | 22326                   | 20406                  |                                     |               |              |                        |                     |                          |                         | 1920-                  |               |
|          |              |             | 9                               | 592           | 22335                   | 29597                  | .720                                |               |              |                        |                     |                          |                         |                        |               |
| 87+00    |              | 181         | 9                               | 426           | 22335                   | 20832                  |                                     |               |              |                        |                     |                          |                         | 1503-                  |               |
|          |              |             | 114                             | 707           | 22449                   | 30304                  | .720                                |               |              |                        |                     |                          |                         |                        |               |
| 88+00    | 62           | 201         | 114                             | 509           | 22449                   | 21341                  |                                     |               |              |                        |                     |                          |                         | 1108-                  |               |
|          |              |             | 1134                            | 372           | 23583                   | 30676                  | .740                                |               |              |                        |                     |                          |                         |                        |               |
| 89+00    | 551          |             | 1134                            | 275           | 23583                   | 21616                  |                                     |               |              |                        |                     |                          |                         | 1967-                  |               |
|          |              |             | 3152                            |               | 26735                   | 30676                  |                                     |               |              |                        |                     |                          |                         |                        |               |
| 90+00    | 1152         |             | 3152                            |               | 26735                   | 21616                  |                                     |               |              |                        |                     |                          |                         | 5119-                  |               |
|          |              |             | 2803                            |               | 29538                   | 30676                  |                                     |               |              |                        |                     |                          |                         |                        |               |
| 91+00    | 362          |             | 2803                            |               | 29538                   | 21616                  |                                     |               |              |                        |                     |                          |                         | 7922-                  |               |
|          |              |             | 720                             | 51            | 30258                   | 30727                  | .740                                |               |              |                        |                     |                          |                         |                        |               |
| 92+00    | 27           | 28          | 720                             | 38            | 30258                   | 21654                  |                                     |               |              |                        |                     |                          |                         | 8604-                  |               |
|          |              |             | 50                              | 825           | 30308                   | 31552                  | .740                                |               |              |                        |                     |                          |                         |                        |               |
| 93+00    |              | 418         | 50                              | 610           | 30308                   | 22264                  |                                     |               |              |                        |                     |                          |                         | 8044-                  |               |
|          |              |             |                                 |               | 1640                    | 30308                  | .740                                |               |              |                        |                     |                          |                         |                        |               |
| 94+00    |              | 468         |                                 |               | 1214                    | 30308                  |                                     |               |              |                        |                     |                          |                         | 6830-                  |               |
|          |              |             |                                 |               | 1429                    | 30308                  | .740                                |               |              |                        |                     |                          |                         |                        |               |
| 95+00    |              | 304         |                                 |               | 1057                    | 30308                  |                                     |               |              |                        |                     |                          |                         | 5773-                  |               |

| 11/06/69       |              | 1           | FULTON INDIANFORD SECTION CTH M |               |                         |                        |                                     | 3656 2 00 13         |              |                        |                | EARTHWORK ESTIMATES      |                         |                        | PAGE          | 8 |
|----------------|--------------|-------------|---------------------------------|---------------|-------------------------|------------------------|-------------------------------------|----------------------|--------------|------------------------|----------------|--------------------------|-------------------------|------------------------|---------------|---|
| STA            | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                  | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA        | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |   |
| 95+00          |              | 304         |                                 |               |                         |                        |                                     |                      |              |                        |                |                          |                         |                        |               |   |
|                |              |             | 23                              | 864           | 30331                   | 35485                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 96+00          | 13           | 163         | 23                              | 640           | 30331                   | 25175                  |                                     |                      |              |                        |                |                          |                         | 5156-                  |               |   |
|                |              |             | 23                              | 508           | 30354                   | 35993                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 97+00          |              | 111         | 23                              | 375           | 30354                   | 25550                  |                                     |                      |              |                        |                |                          |                         | 4804-                  |               |   |
|                |              |             | 85                              | 335           | 30439                   | 36328                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 98+00          | 46           | 70          | 85                              | 248           | 30439                   | 25798                  |                                     |                      |              |                        |                |                          |                         | 4641-                  |               |   |
|                |              |             | 182                             | 280           | 30621                   | 36608                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 99+00          | 52           | 81          | 182                             | 207           | 30621                   | 26005                  |                                     |                      |              |                        |                |                          |                         | 4616-                  |               |   |
|                |              |             | 268                             | 268           | 30889                   | 36876                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 100+00         | 93           | 64          | 268                             | 198           | 30889                   | 26203                  |                                     |                      |              |                        |                |                          |                         | 4686-                  |               |   |
|                |              |             | 268                             | 197           | 31157                   | 37073                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 101+00         | 53           | 43          | 268                             | 145           | 31157                   | 26348                  |                                     |                      |              |                        |                |                          |                         | 4809-                  |               |   |
|                |              |             | 210                             | 224           | 31367                   | 37297                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 102+00         | 61           | 78          | 210                             | 165           | 31367                   | 26513                  |                                     |                      |              |                        |                |                          |                         | 4854-                  |               |   |
|                |              |             | 146                             | 357           | 31513                   | 37654                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 103+00         | 18           | 115         | 146                             | 264           | 31513                   | 26777                  |                                     |                      |              |                        |                |                          |                         | 4736-                  |               |   |
|                |              |             | 41                              | 511           | 31554                   | 38165                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
|                |              |             | 41                              | 378           | 31554                   | 27155                  |                                     |                      |              |                        |                |                          |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | BALANCE TOTALS:      |              |                        |                |                          |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | UNCLASSIFIED EX.     |              |                        | =              | 15,523 C.Y.              |                         | 4399-                  |               |   |
|                |              |             |                                 |               |                         |                        |                                     | BORROW               |              |                        | =              | 5,700 C.Y.               |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | FILL                 |              |                        | =              | 15,513 C.Y.              |                         | 5656                   | BORROW        |   |
|                |              |             |                                 |               |                         |                        |                                     | E.B.S.               |              |                        | =              | 350 C.Y.                 |                         | 4186                   |               |   |
| 104+00         | 4            | 161         |                                 |               |                         |                        |                                     |                      |              |                        |                |                          |                         |                        |               |   |
|                |              |             | 7                               | 298           | 31561                   | 44119                  | .740                                |                      |              |                        |                |                          |                         |                        |               |   |
| 105+00         |              |             | 7                               | 220           | 31561                   | 31561                  |                                     |                      |              |                        |                |                          |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | SECTION TOTALS:      |              |                        |                |                          |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | UNCLASSIFIED EX.     |              |                        | =              | 44,119 C.Y.              |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | BORROW @ STA. 104    |              |                        | =              | - 5,656 C.Y.             |                         | BALANCE                |               |   |
|                |              |             |                                 |               |                         |                        |                                     | NET UNCLASSIFIED EX. |              |                        | =              | 38,463 C.Y.              |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | E.B.S.               |              |                        | =              | + 1,137 C.Y.             |                         |                        |               |   |
|                |              |             |                                 |               |                         |                        |                                     | TOTAL UNCLASSIFIED   |              |                        | =              | 39,600 C.Y.              |                         |                        |               |   |
| BALANCE TOTALS |              |             |                                 |               |                         | 15513                  | 21179                               |                      |              |                        |                |                          |                         |                        |               |   |
|                |              |             |                                 |               |                         | 15513                  | 15513                               |                      |              |                        |                |                          |                         |                        |               |   |

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| 11/20/69   |              | 1           | NDIANFORD USH 51 SECTION CTH. M |               |                         |                        |                                     | 3656 2 00 13  |              |                        | EARTHWORK ESTIMATES |                          |                         | PAGE                   | 1             |
|------------|--------------|-------------|---------------------------------|---------------|-------------------------|------------------------|-------------------------------------|---------------|--------------|------------------------|---------------------|--------------------------|-------------------------|------------------------|---------------|
| STA        | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                  | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME      | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |
| 32+00      |              |             | 65                              | 53            | 65                      | 53                     | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 65                              | 37            | 65                      | 37                     |                                     |               |              |                        |                     |                          |                         | 28-                    |               |
| 32+50      | 71           | 57          | 109                             | 135           | 174                     | 188                    | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 109                             | 94            | 174                     | 131                    |                                     |               |              |                        |                     |                          |                         | 43-                    |               |
| 33+00      | 48           | 89          | 185                             | 273           | 359                     | 461                    | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 185                             | 191           | 359                     | 322                    |                                     |               |              |                        |                     |                          |                         | 37-                    |               |
| 34+00      | 52           | 59          | 313                             | 140           | 672                     | 601                    | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 313                             | 98            | 672                     | 420                    |                                     |               |              |                        |                     |                          |                         | 252-                   |               |
| 35+00      | 117          | 17          | 452                             | 19            | 1124                    | 1003                   | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 452                             | 13            | 1124                    | 699                    |                                     |               |              |                        |                     |                          |                         | 425-                   |               |
| ADD VOLUME |              |             |                                 | 380           | SP DITCH                | LT STA 33+00 TO 35+50  |                                     |               |              |                        |                     |                          |                         |                        |               |
|            |              |             |                                 | 266           |                         |                        |                                     |               |              |                        |                     |                          |                         |                        |               |
| 35+53      | 271          |             | 337                             |               | 1461                    | 1003                   |                                     |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 337                             |               | 1461                    | 699                    |                                     |               |              |                        |                     |                          |                         | 762-                   |               |
| 36+00      | 222          |             | 1000                            |               | 2461                    | 1000                   |                                     |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 1000                            |               | 2461                    | 699                    |                                     |               |              |                        |                     |                          |                         | 1762-                  |               |
| 37+00      | 319          |             | 1389                            |               | 3850                    | 1003                   |                                     |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 1389                            |               | 3850                    | 599                    |                                     |               |              |                        |                     |                          |                         | 3151-                  |               |
| 38+00      | 432          |             | 1675                            |               | 5525                    | 1000                   |                                     |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 1675                            |               | 5525                    | 699                    |                                     |               |              |                        |                     |                          |                         | 4826-                  |               |
| 39+00      | 473          |             | 1410                            |               | 6935                    | 1003                   |                                     |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 1410                            |               | 6935                    | 699                    |                                     |               |              |                        |                     |                          |                         | 6236-                  |               |
| 40+00      | 288          |             | 430                             | 8             | 7365                    | 1008                   | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 430                             | 5             | 7365                    | 704                    |                                     |               |              |                        |                     |                          |                         | 6661-                  |               |
| 40+45      | 229          | 10          | 262                             | 251           | 7627                    | 1259                   | .700                                |               |              |                        |                     |                          |                         |                        |               |
|            |              |             | 262                             | 176           | 7627                    | 883                    |                                     |               |              |                        |                     |                          |                         | 6747-                  |               |
| 41+00      | 29           | 237         |                                 |               |                         |                        |                                     |               |              |                        |                     |                          |                         |                        |               |

| 11/20/69 |              | 1           | NDIANFORD USH 51 SECTION CTH M |               |                         |                        |                                     | 3656          |              | 2                      | 00             | 13                       | EARTHWORK ESTIMATES     |                        |               | PAGE | 2 |
|----------|--------------|-------------|--------------------------------|---------------|-------------------------|------------------------|-------------------------------------|---------------|--------------|------------------------|----------------|--------------------------|-------------------------|------------------------|---------------|------|---|
| STA      | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                 | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |      |   |
| 41+00    | 29           | 237         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 54                             | 847           | 7681                    | 2106                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 54                             | 593           | 7681                    | 1473                   |                                     |               |              |                        |                |                          |                         | 6208-                  |               |      |   |
| 42+00    |              | 221         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 569           | 7681                    | 2675                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 398           | 7681                    | 1871                   |                                     |               |              |                        |                |                          |                         | 5810-                  |               |      |   |
| 42+70    |              | 219         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 234           | 7681                    | 2907                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 164           | 7681                    | 2035                   |                                     |               |              |                        |                |                          |                         | 5646-                  |               |      |   |
| 43+00    |              | 203         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1                              | 502           | 7682                    | 3411                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1                              | 351           | 7682                    | 2386                   |                                     |               |              |                        |                |                          |                         | 5296-                  |               |      |   |
| 44+00    | 1            | 68          |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 30                             | 173           | 7712                    | 3584                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 30                             | 121           | 7712                    | 2507                   |                                     |               |              |                        |                |                          |                         | 5205-                  |               |      |   |
| 45+00    | 16           | 26          |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 127                            | 193           | 7839                    | 3777                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 127                            | 135           | 7839                    | 2642                   |                                     |               |              |                        |                |                          |                         | 5197-                  |               |      |   |
| 45+00    | 53           | 79          |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 530                            | 183           | 8369                    | 3960                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 530                            | 128           | 8369                    | 2770                   |                                     |               |              |                        |                |                          |                         | 5599-                  |               |      |   |
| 47+00    | 233          | 20          |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1742                           | 37            | 10111                   | 3997                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1742                           | 26            | 10111                   | 2795                   |                                     |               |              |                        |                |                          |                         | 7315-                  |               |      |   |
| 48+00    | 708          |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 900                            |               | 11011                   | 3997                   |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 900                            |               | 11011                   | 2795                   |                                     |               |              |                        |                |                          |                         | 8215-                  |               |      |   |
| 48+28    | 1029         |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1979                           |               | 12990                   | 3997                   |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1979                           |               | 12990                   | 2795                   |                                     |               |              |                        |                |                          |                         | 10194-                 |               |      |   |
| 49+00    | 456          |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1233                           | 149           | 14223                   | 4145                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 1233                           | 104           | 14223                   | 2903                   |                                     |               |              |                        |                |                          |                         | 11323-                 |               |      |   |
| 50+00    | 210          | 80          |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 727                            | 279           | 14950                   | 4425                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 727                            | 195           | 14950                   | 3095                   |                                     |               |              |                        |                |                          |                         | 11855-                 |               |      |   |
| 51+00    | 183          | 70          |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 973                            | 130           | 15923                   | 4555                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 973                            | 91            | 15923                   | 3185                   |                                     |               |              |                        |                |                          |                         | 12737-                 |               |      |   |
| 52+00    | 343          |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |

| 11/20/59 |              | 1           | NDIANFORD USH 51 SECTION CTH M |               |                         |                        |                                     | 3656          |              | 2                      | 00             | 13                       | EARTHWORK ESTIMATES     |                        |               | PAGE | 3 |
|----------|--------------|-------------|--------------------------------|---------------|-------------------------|------------------------|-------------------------------------|---------------|--------------|------------------------|----------------|--------------------------|-------------------------|------------------------|---------------|------|---|
| STA      | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                 | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |      |   |
| 52+00    | 343          |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 707                            |               | 16630                   | 4555                   |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 707                            |               | 16630                   | 3186                   |                                     |               |              |                        |                |                          |                         | 13444-                 |               |      |   |
| 52+50    | 421          |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 541                            |               | 17171                   | 4555                   |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 541                            |               | 17171                   | 3186                   |                                     |               |              |                        |                |                          |                         | 13985-                 |               |      |   |
| 53+00    | 164          |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 303                            | 267           | 17474                   | 4822                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             | 303                            | 187           | 17474                   | 3373                   |                                     |               |              |                        |                |                          |                         | 14101-                 |               |      |   |
| 54+00    |              | 144         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 943           | 17474                   | 5765                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 660           | 17474                   | 4033                   |                                     |               |              |                        |                |                          |                         | 13441-                 |               |      |   |
| 55+00    |              | 365         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1601          | 17474                   | 7365                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1120          | 17474                   | 5153                   |                                     |               |              |                        |                |                          |                         | 12321-                 |               |      |   |
| 55+00    |              | 499         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1995          | 17474                   | 9361                   | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1397          | 17474                   | 6550                   |                                     |               |              |                        |                |                          |                         | 10924-                 |               |      |   |
| 57+00    |              | 579         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 2163          | 17474                   | 11524                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1514          | 17474                   | 8064                   |                                     |               |              |                        |                |                          |                         | 9410-                  |               |      |   |
| 58+00    |              | 590         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 2211          | 17474                   | 13735                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1547          | 17474                   | 9611                   |                                     |               |              |                        |                |                          |                         | 7863-                  |               |      |   |
| 59+00    |              | 604         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 2342          | 17474                   | 16077                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1639          | 17474                   | 11250                  |                                     |               |              |                        |                |                          |                         | 6224-                  |               |      |   |
| 60+00    |              | 661         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 2550          | 17474                   | 18627                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1785          | 17474                   | 13035                  |                                     |               |              |                        |                |                          |                         | 4439-                  |               |      |   |
| 61+00    |              | 716         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 2828          | 17474                   | 21455                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 1979          | 17474                   | 15014                  |                                     |               |              |                        |                |                          |                         | 2460-                  |               |      |   |
| 62+00    |              | 811         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 3104          | 17474                   | 24559                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 2173          | 17474                   | 17187                  |                                     |               |              |                        |                |                          |                         | 287-                   |               |      |   |
| 63+00    |              | 866         |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 410           | 17474                   | 24969                  | .700                                |               |              |                        |                |                          |                         |                        |               |      |   |
|          |              |             |                                | 287           | 17474                   | 17474                  |                                     |               |              |                        |                |                          |                         | BALANCE                |               |      |   |
| 63+14    |              |             |                                |               |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |      |   |

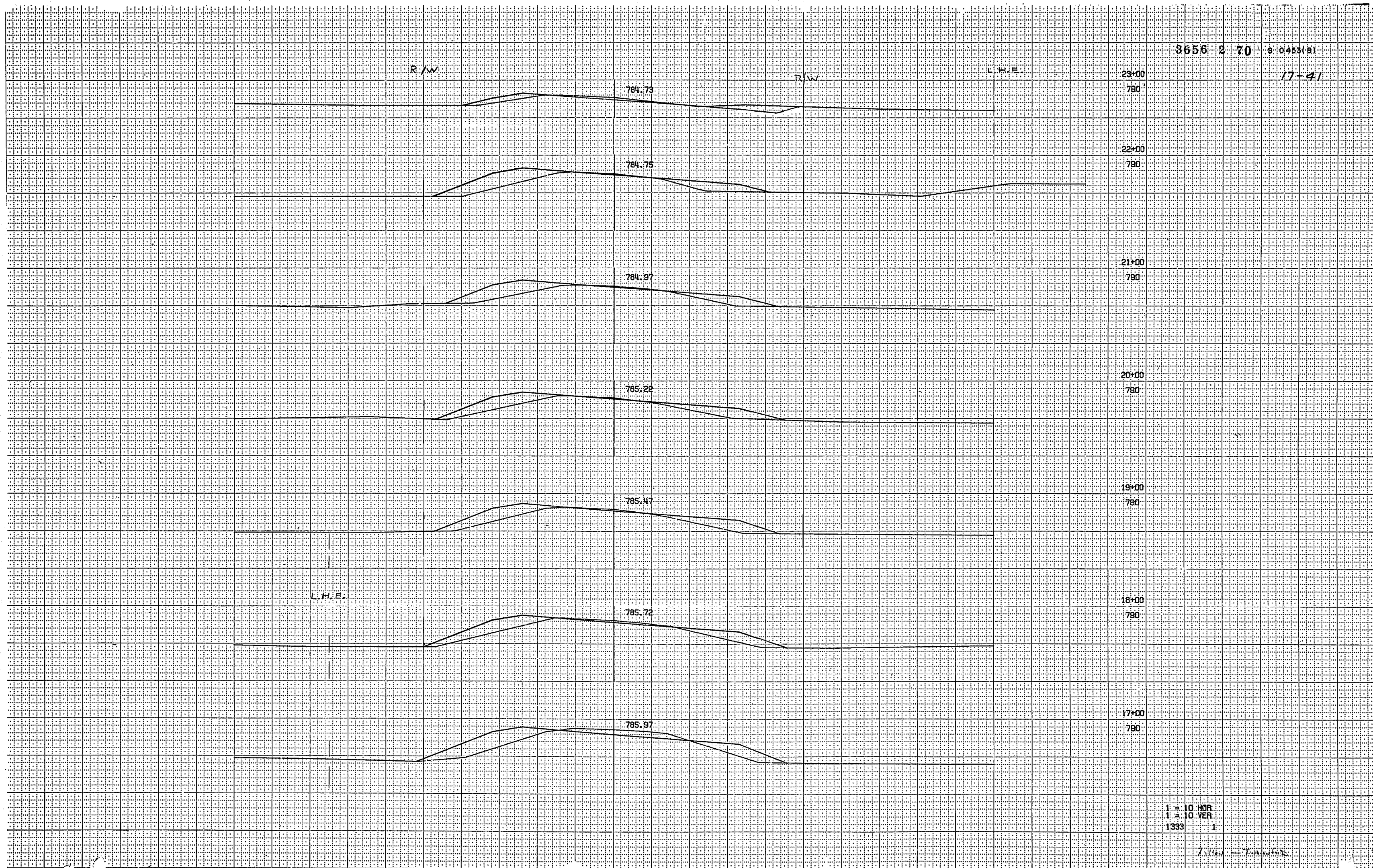
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| BALANCE TOTALS |              |             |                                | STATE HIGHWAY COMMISSION OF WISCONSIN |                         |                        |                                     |               |              |                        |                | ORIGINAL- 1336           |                         |                        |               |
|----------------|--------------|-------------|--------------------------------|---------------------------------------|-------------------------|------------------------|-------------------------------------|---------------|--------------|------------------------|----------------|--------------------------|-------------------------|------------------------|---------------|
| 11/20/69       |              | 1           | NDIANFORD USH 51 SECTION CTH M |                                       |                         |                        |                                     | 3656 2 00 13  |              | EARTHWORK ESTIMATES    |                |                          | PAGE 4                  |                        |               |
| STA            | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                 | CUT<br>VOLUME                         | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |
| BALANCE TOTALS |              |             |                                |                                       | 17474                   | 24989                  |                                     |               |              |                        |                |                          |                         |                        |               |
|                |              |             |                                |                                       | 17474                   | 17474                  |                                     |               |              |                        |                |                          |                         |                        |               |
| 53+14          |              |             |                                | 2463                                  | 17474                   | 27432                  | .700                                |               |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 1724                                  | 17474                   | 19199                  |                                     |               |              |                        |                |                          |                         | 1724                   |               |
| 54+00          | 686          |             |                                | 2108                                  | 17474                   | 29540                  | .700                                |               |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 1476                                  | 17474                   | 20674                  |                                     |               |              |                        |                |                          |                         | 3200                   |               |
| 65+00          | 453          |             |                                | 1278                                  | 17474                   | 30818                  | .700                                |               |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 894                                   | 17474                   | 21568                  |                                     |               |              |                        |                |                          |                         | 4094                   |               |
| 55+00          | 237          |             |                                | 1                                     | 570                     | 17475                  | 31388                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 1                                     | 399                     | 17475                  | 21967                               |               |              |                        |                |                          |                         | 4492                   |               |
| 67+00          | 1            | 71          |                                | 21                                    | 65                      | 17496                  | 31453                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 21                                    | 45                      | 17496                  | 22012                               |               |              |                        |                |                          |                         | 4516                   |               |
| 57+33          | 35           | 36          |                                | 88                                    | 53                      | 17584                  | 31505                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 88                                    | 37                      | 17584                  | 22049                               |               |              |                        |                |                          |                         | 4465                   |               |
| 58+00          | 37           | 7           |                                | 187                                   | 20                      | 17771                  | 31526                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 187                                   | 14                      | 17771                  | 22063                               |               |              |                        |                |                          |                         | 4292                   |               |
| 69+00          | 64           | 4           |                                | 217                                   | 41                      | 17988                  | 31567                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 217                                   | 29                      | 17988                  | 22092                               |               |              |                        |                |                          |                         | 4104                   |               |
| 70+00          | 53           | 19          |                                | 160                                   | 89                      | 18148                  | 31555                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 160                                   | 62                      | 18148                  | 22154                               |               |              |                        |                |                          |                         | 4006                   |               |
| 71+00          | 34           | 30          |                                | 82                                    | 106                     | 18230                  | 31762                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 82                                    | 74                      | 18230                  | 22228                               |               |              |                        |                |                          |                         | 3998                   |               |
| 72+00          | 11           | 28          |                                | 20                                    | 255                     | 18250                  | 32017                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                | 20                                    | 178                     | 18250                  | 22406                               |               |              |                        |                |                          |                         | 4156                   |               |
| 73+00          |              | 110         |                                |                                       | 809                     | 18250                  | 32826                               | .700          |              |                        |                |                          |                         |                        |               |
|                |              |             |                                |                                       | 566                     | 18250                  | 22972                               |               |              |                        |                |                          |                         | 4722                   |               |
| 74+00          |              | 328         |                                |                                       |                         |                        |                                     |               |              |                        |                |                          |                         |                        |               |

| STATE HIGHWAY COMMISSION OF WISCONSIN |              |             |                                |               |                         |                        |                                     |               |              |                        |                     | ORIGINAL- 1336           |                         |                        |               |           |  |
|---------------------------------------|--------------|-------------|--------------------------------|---------------|-------------------------|------------------------|-------------------------------------|---------------|--------------|------------------------|---------------------|--------------------------|-------------------------|------------------------|---------------|-----------|--|
| 11/20/69                              |              | 1           | NDIANFORD USH 51 SECTION CTH M |               |                         |                        |                                     |               | 3656 2 00 13 |                        | EARTHWORK ESTIMATES |                          |                         | PAGE 5                 |               |           |  |
| STA                                   | FILL<br>AREA | CUT<br>AREA | FILL<br>VOLUME                 | CUT<br>VOLUME | ACCUM<br>FILL<br>VOLUME | ACCUM<br>CUT<br>VOLUME | COMPACTION<br>FACTORS<br>COMMON M/R | MARSH<br>AREA | ROCK<br>AREA | MARSH<br>CUT &<br>FILL | ROCK<br>VOLUME      | ACCUM<br>MARSH<br>VOLUME | ACCUM<br>ROCK<br>VOLUME | ACCUM<br>NET<br>VOLUME | GRASS<br>AREA |           |  |
| 74+00                                 |              | 328         |                                |               |                         |                        |                                     |               |              |                        |                     |                          |                         |                        |               |           |  |
|                                       |              |             |                                | 606           | 18250                   | 33432                  | .700                                |               |              |                        |                     |                          |                         |                        |               |           |  |
|                                       |              |             |                                | 424           | 18250                   | 23396                  |                                     |               |              |                        |                     |                          |                         | 5146                   | WASTE         |           |  |
| 75+00                                 |              |             |                                |               |                         |                        |                                     |               |              |                        |                     |                          |                         |                        |               |           |  |
| BALANCE TOTALS                        |              |             |                                |               | UNCLASSIFIED EXCAVATION |                        |                                     |               |              | =                      | 33,432 C.Y.         |                          |                         |                        |               | SAY 5,150 |  |
|                                       |              |             |                                |               | E.B.S.                  |                        |                                     |               |              | =                      | 268 C.Y.            |                          |                         |                        |               |           |  |
|                                       |              |             |                                |               | TOTAL UNCLASSIFIED EX.  |                        |                                     |               |              | =                      | 33,700 C.Y.         |                          |                         |                        |               |           |  |
|                                       |              |             |                                |               | WASTE                   |                        |                                     |               |              | =                      | 5,150 C.Y.          |                          |                         |                        |               |           |  |
|                                       |              |             |                                |               | FILL                    |                        |                                     |               |              | =                      | 18,250 C.Y.         |                          |                         |                        |               |           |  |

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R/W

R/W

L.H.E.

L.H.E.

3656 2 70 3 0453(8)

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23+00

780

784.73

22+00

780

784.75

21+00

780

784.97

20+00

780

785.22

19+00

780

785.47

18+00

780

785.72

17+00

780

785.97

1" = 10' HOR  
1" = 10' VER  
1333

7/10/00 - 7/10/00



3656 2 70 S. 0453 (8)  
18-41

R/W

R/W

792.82

31+00

790

791.01

30+00

790

789.42

29+00

780

788.07

28+00

780

786.94

27+00

780

786.04

26+00

780

785.37

25+00

780

784.94

24+00

780

L.H.E.

STA 24+75 C.P. CL III RECD  
2- 30" X 76'  
SKEW 10° L.H.F.

1" = 10' HOR  
1" = 10' VER  
1333 2



3656 2 70 S: 0453 (8)

19-41

R/W

R/W

809.60

38+00

800

807.10

37+00

800

804.60

36+00

800

802.10

35+00

800

799.60

34+00

790

797.13

33+00

790

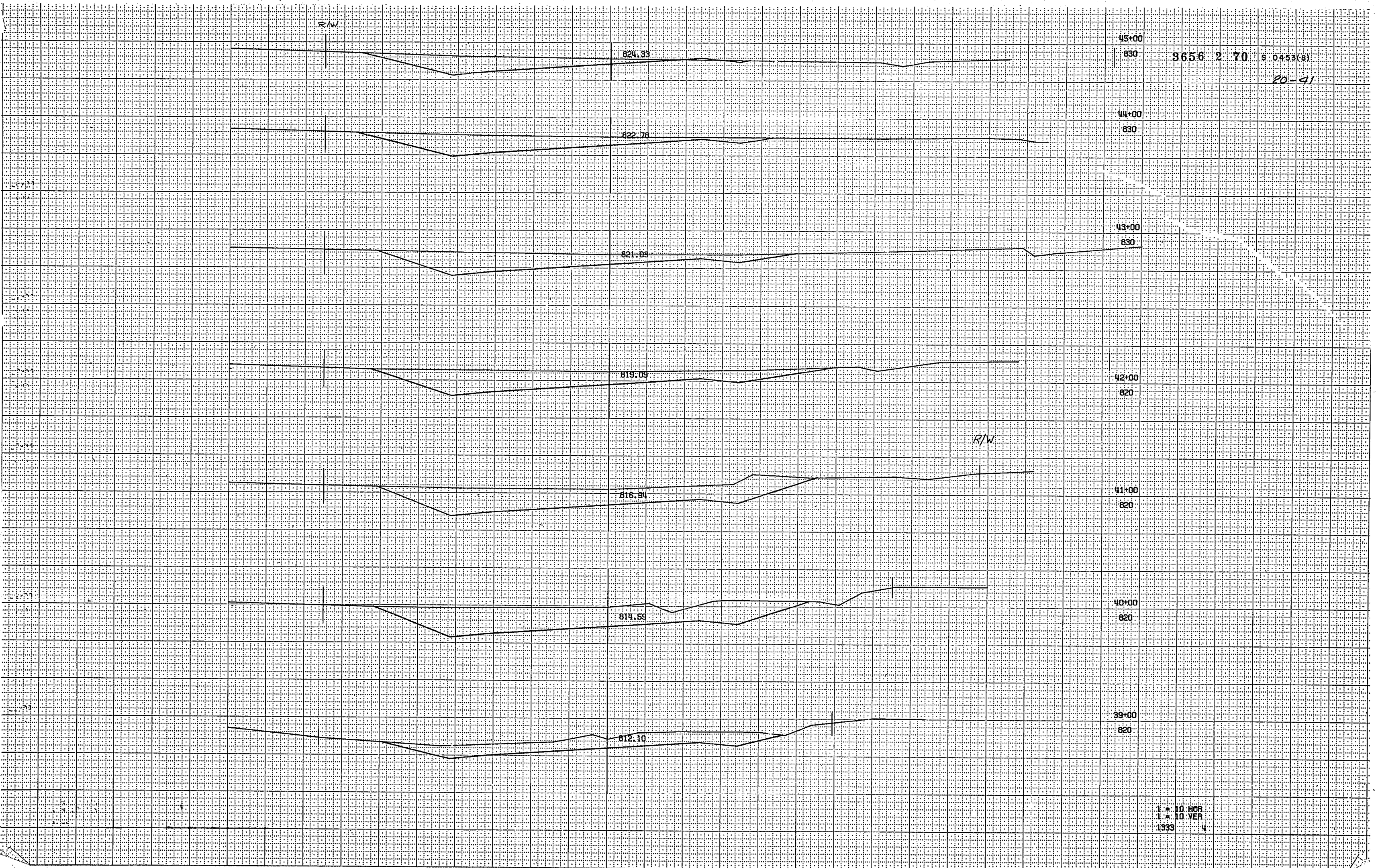
794.66

32+00

790

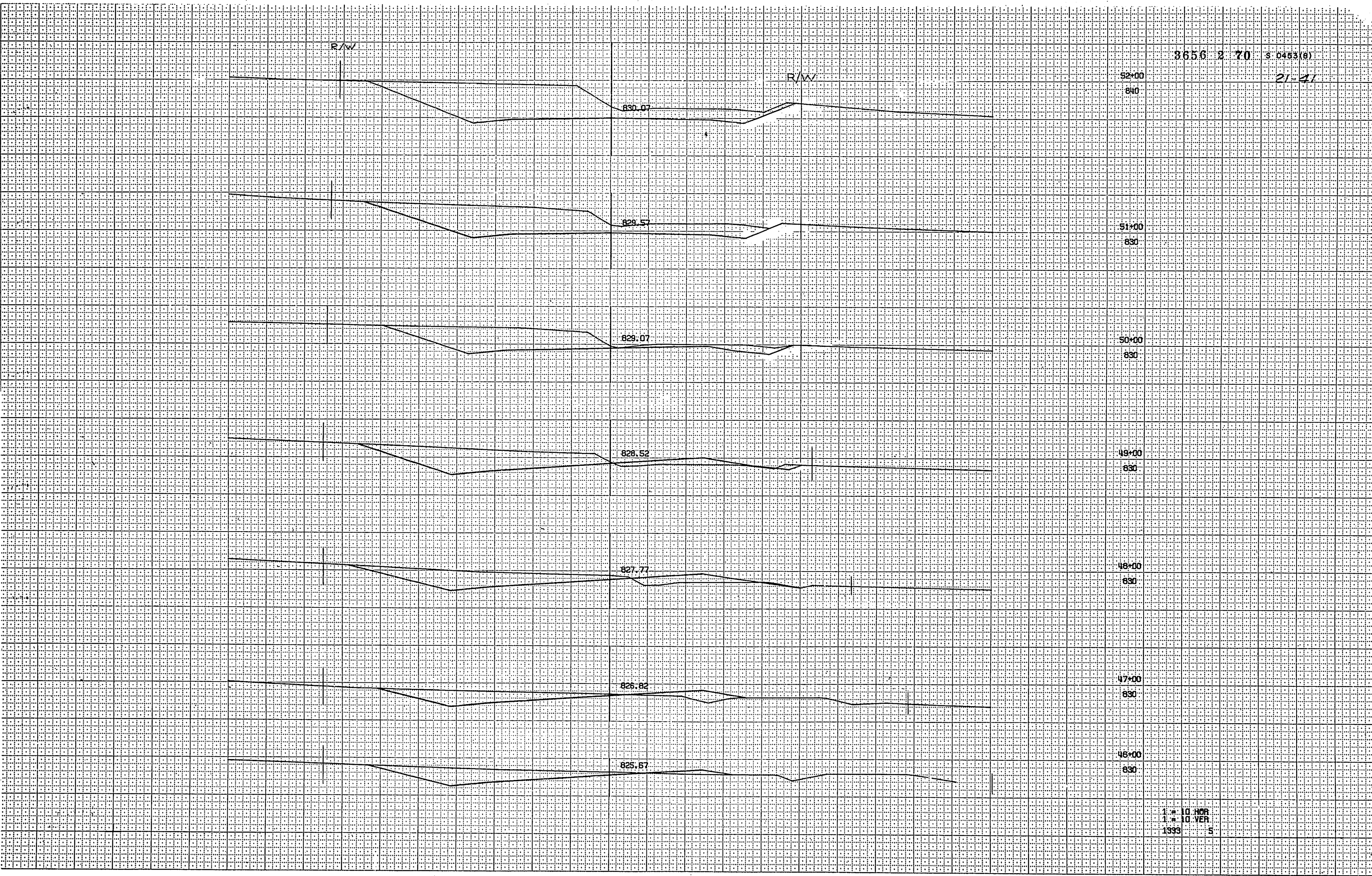
1" = 10' HOR  
1" = 10' VER  
1333 3





1:10 HOR  
1:10 VER  
1333





3656 2 70 S 0453 (8)  
21-21

1 = 10 HOR  
1 = 10 VEH  
1333 S



3656 2 70 S. 0453 (8)  
22-41

R/W

833.07

R/W

58+00

830

STA. 57+18 C.P. CL. III REQ'D.  
1-24"x 80'

832.57

57+00

830

832.07

56+00

830

831.57

55+00

830

831.07

54+00

840

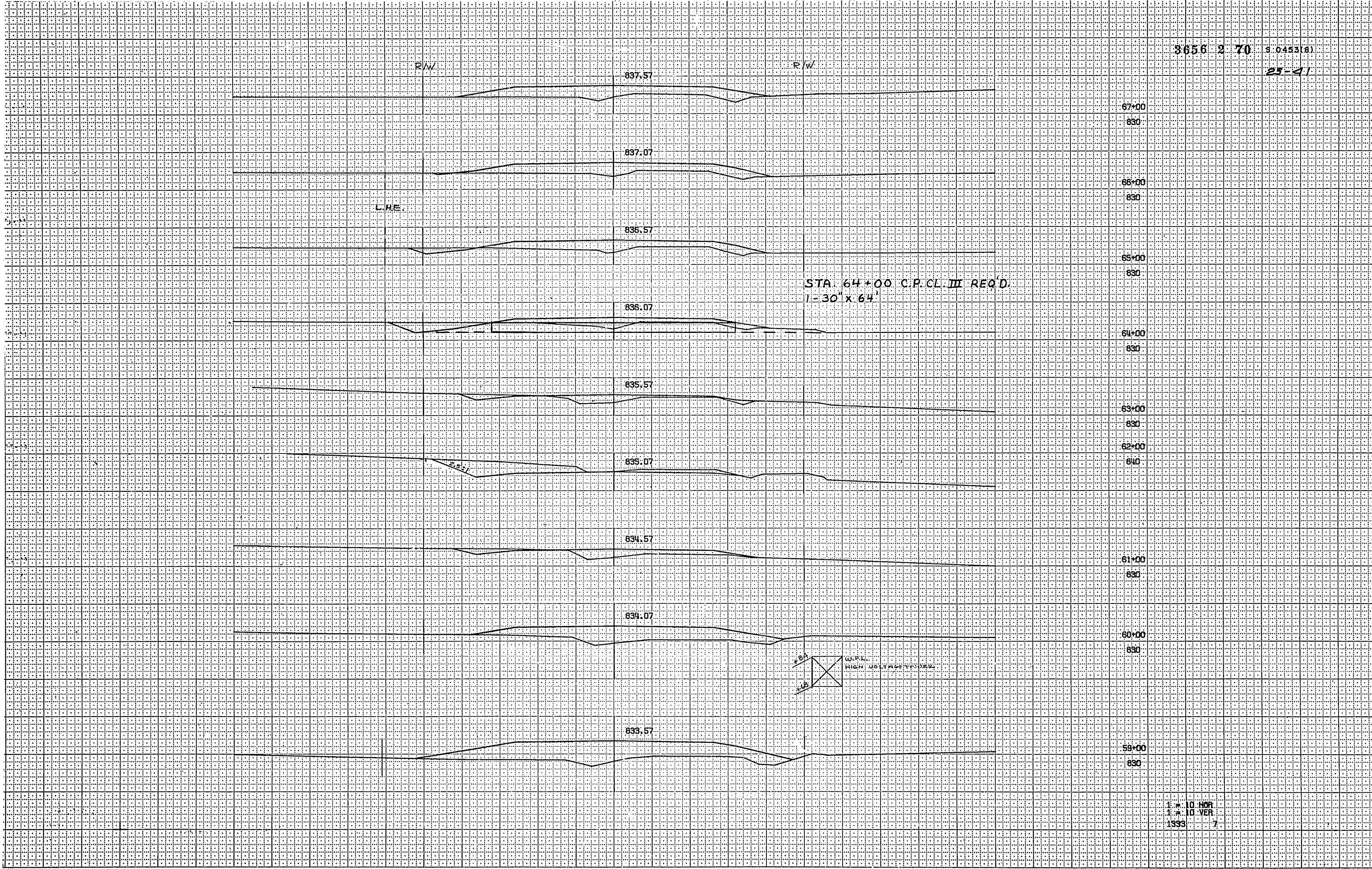
830.57

53+00

840

1" = 10' HOR  
1" = 10' VER  
1333 6

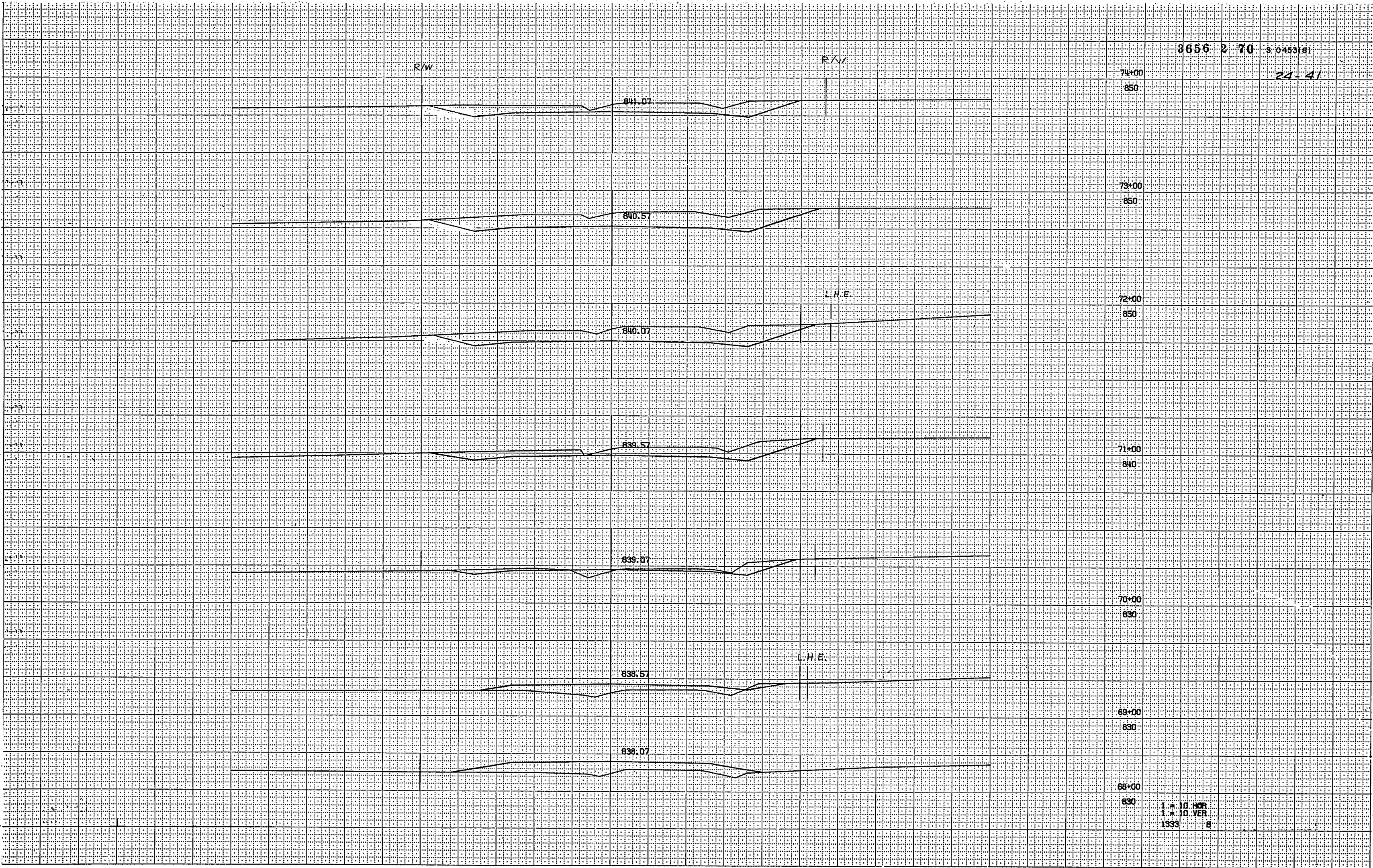




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1" = 10' HOR.  
1" = 10' VER.  
1333 7



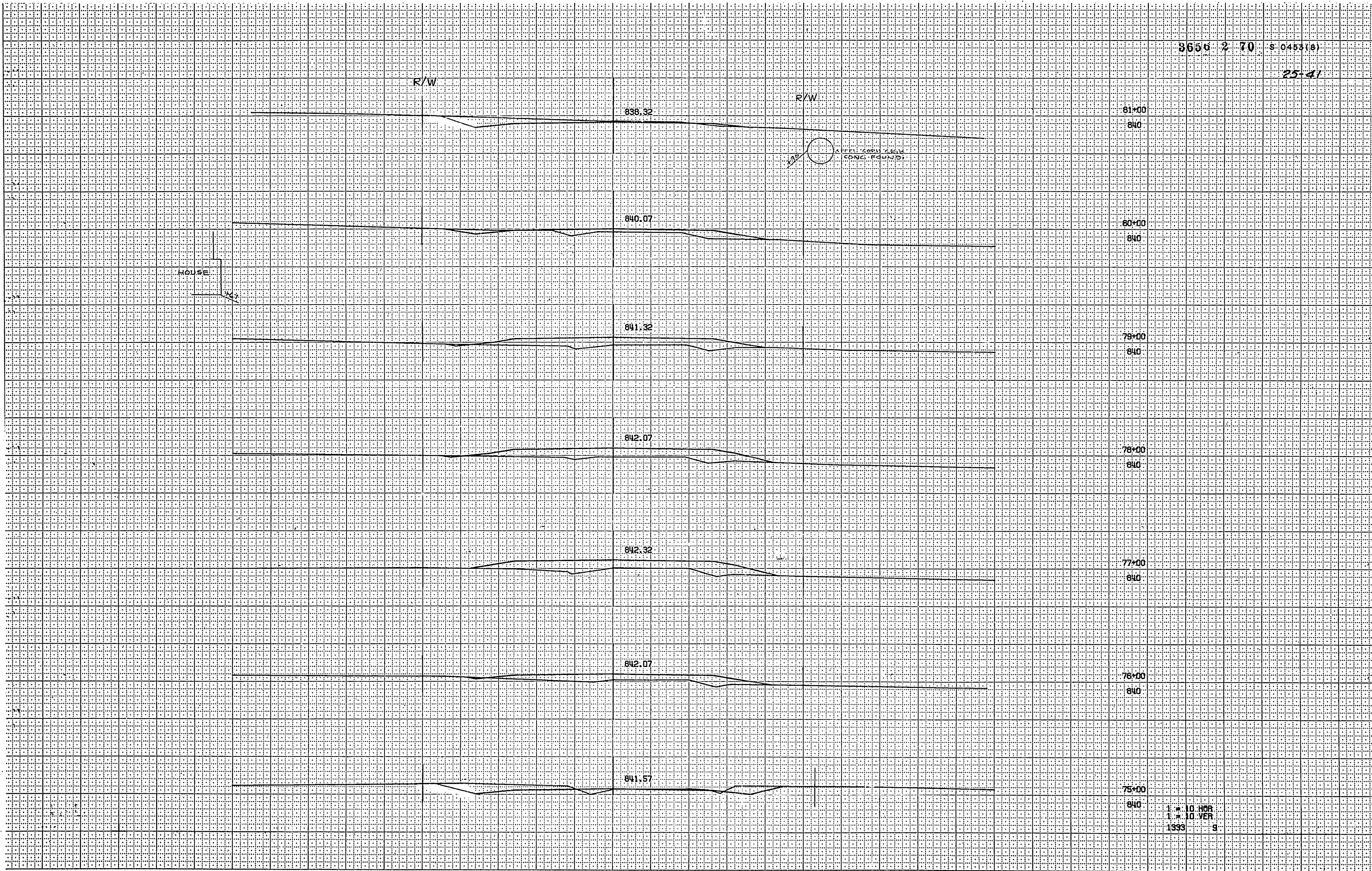


8656 2 70 3 0453 (B)

24-41

1. # 10. HOR  
1. # 10. VER  
1933 8







3656 2 70 S 0453(8)

26-41

R/W

R/W

818.45

88+00

810

87+00

830

821.32

86+00

830

824.32

827.32

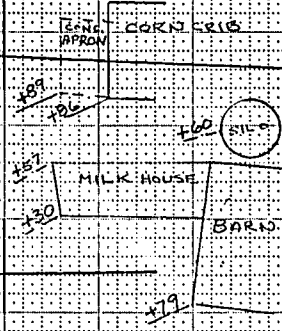
85+00

820

830.32

84+00

830



833.32

83+00

840

836.07

82+00

840

1" = 10' HOR  
1" = 10' VERT  
1333 10



3656 2 70 S. 0453 (8)

27-41

R/W

R/W

94+00  
830

821.77

L.H.E.

93+00  
820

819.52

92+00  
820

817.25

91+00  
810

815.93

STA. 89+50 C.P. CL. III REQ'D.  
1- 60" X 108"

90+00  
810

815.69

89+00  
810

816.53

1" = 10' HOR  
1" = 10' VER  
1333 11



L.H.E. R/W

R/W

3656 2 70 S. 0453 (B1)  
28-41

824.99

101+00  
820

825.88

100+00  
820

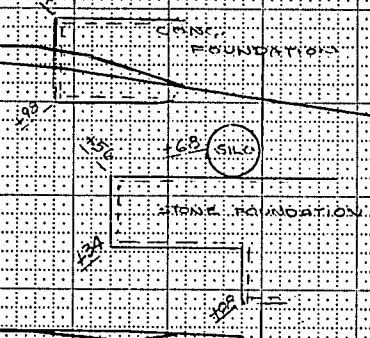
826.32

99+00  
820

HOUSE  
4' CONC. SIDEWALK  
106

826.31

98+00  
830



825.85

97+00  
830

824.94

96+00  
830

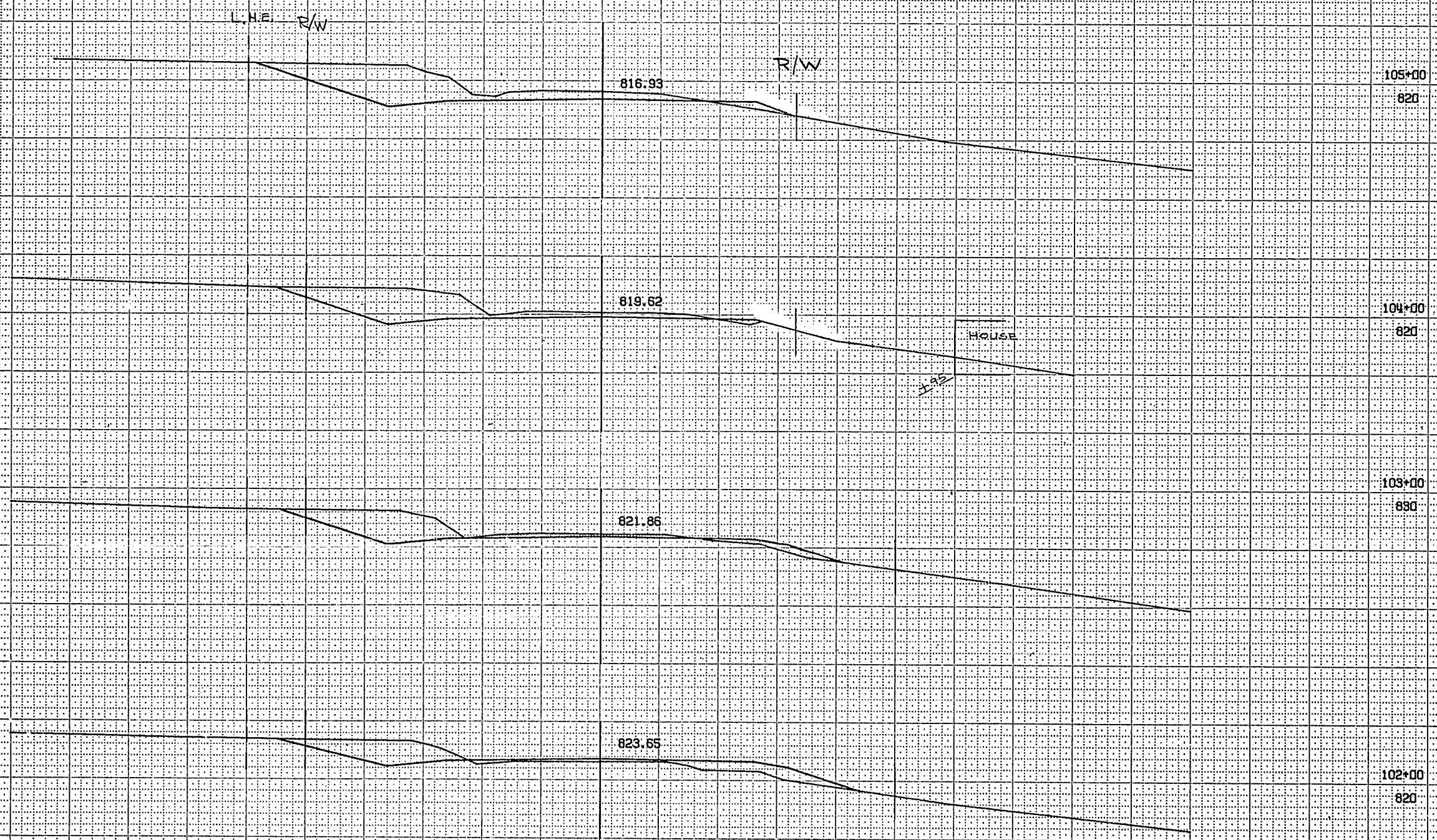
823.58

95+00  
830

10. HON  
10. VEN  
1933 12



8656 2 70 9 0453(8)  
29-41



1" = 10' HOR  
1" = 10' VER  
1333 13



R/W

R/W

LHE

S 0453(8)  
3656 2 70

30-41

36+00

790

91.0

796.34

35+65

790

FOR DRAINAGE ONLY  
(SKEWED)

STA 35+80 C/P CLASS III REQD  
2-48"X82"  
SKEW 30° R.H.F.

794.82

35+00

790

89.2

34+00

800

793.34

88.5

33+00

800

793.02

91.45

32+50

800

793.25

90.96

STA 32+50 CMCP REQD  
1-24"X53 CMCP IN PLACE  
EXTEND 10' LT AND 4' RT

32+00

800

793.50

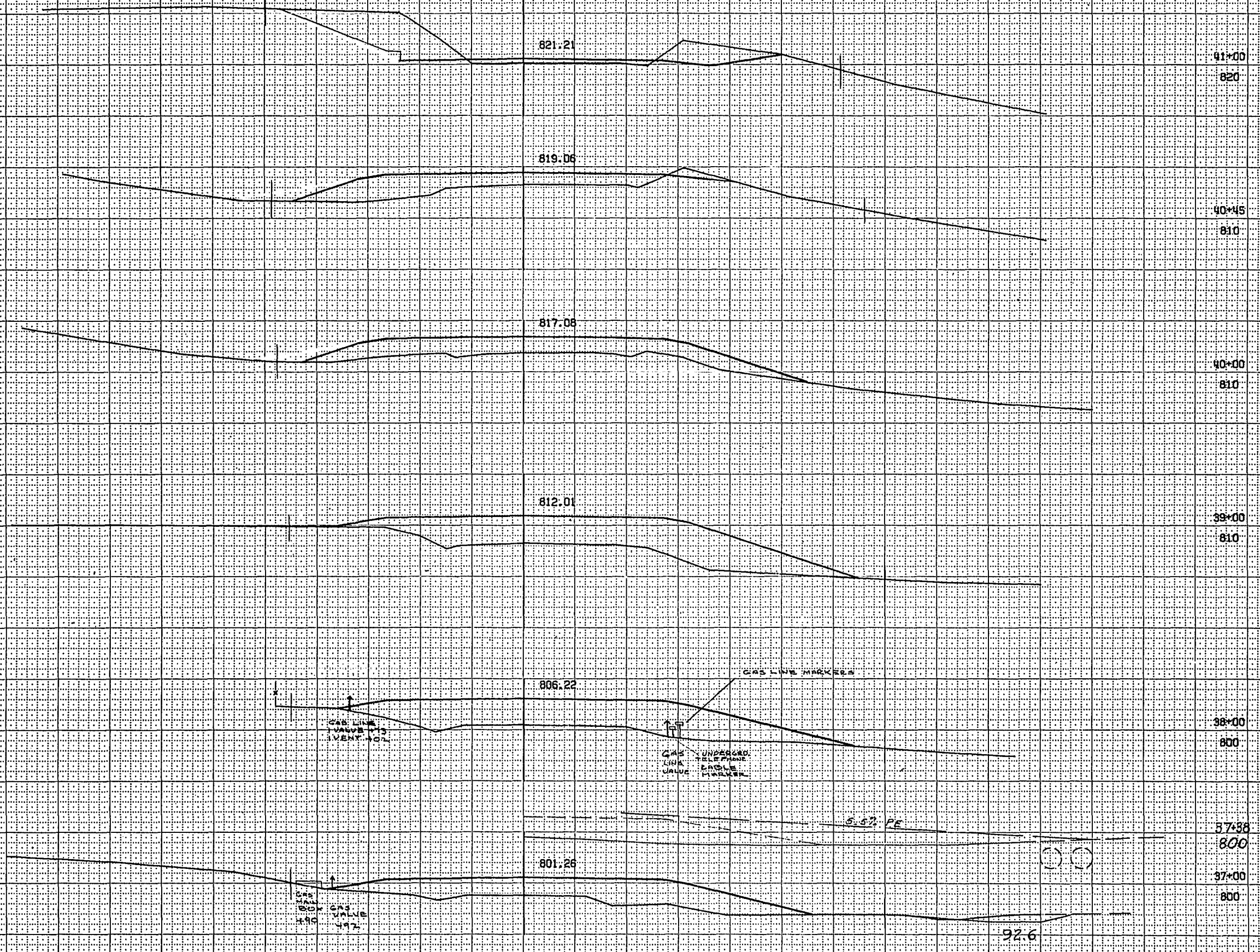
1" = 10' HOR  
1" = 10' VER  
1336 1



S 0453(8)  
9656 2 70  
31-41

R/W

R/W



LHE

PF RT

1 x 10 HOR  
1 x 10 VER  
1336 2



S 0453(8)

8656 2 70

32-42

R/W

R/W

828.93

46+00

820

828.53

26.30

STA 45+00 CPG CLASS III REQD  
1-24" x 64"

45+00

820

SHED

828.01

44+00

830

Silo

826.68

House

43+00

830

14% PE

826.10

GARAGE

42+70

830

HOUSE

ARCH

824.41

42+00

830

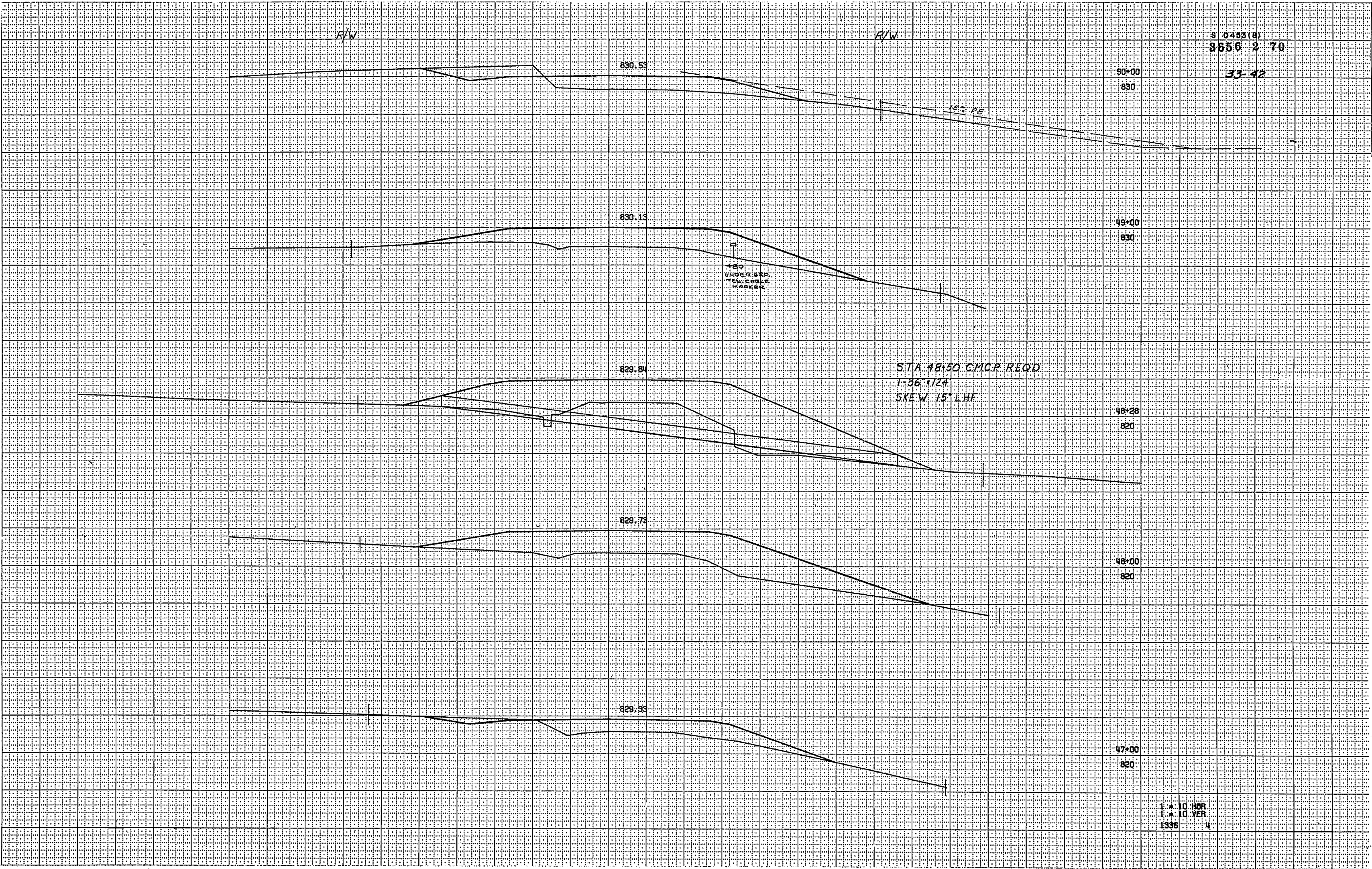
1" = 10' HOR

1" = 10' VER

1336

3







S 0453(8)  
3656 2 70  
34-43

R/W

R/W

55+00

840

835.05

54+00

840

833.75

41

42

UNDERGROUND TELEPHONE CABLE MARKERS

53+00

830

832.63

STA. 52+65 C.P. CLASS III REQD  
1-36" x 100"  
SKEW 20° LHF

52+50

830

832.16

52+00

830

831.75

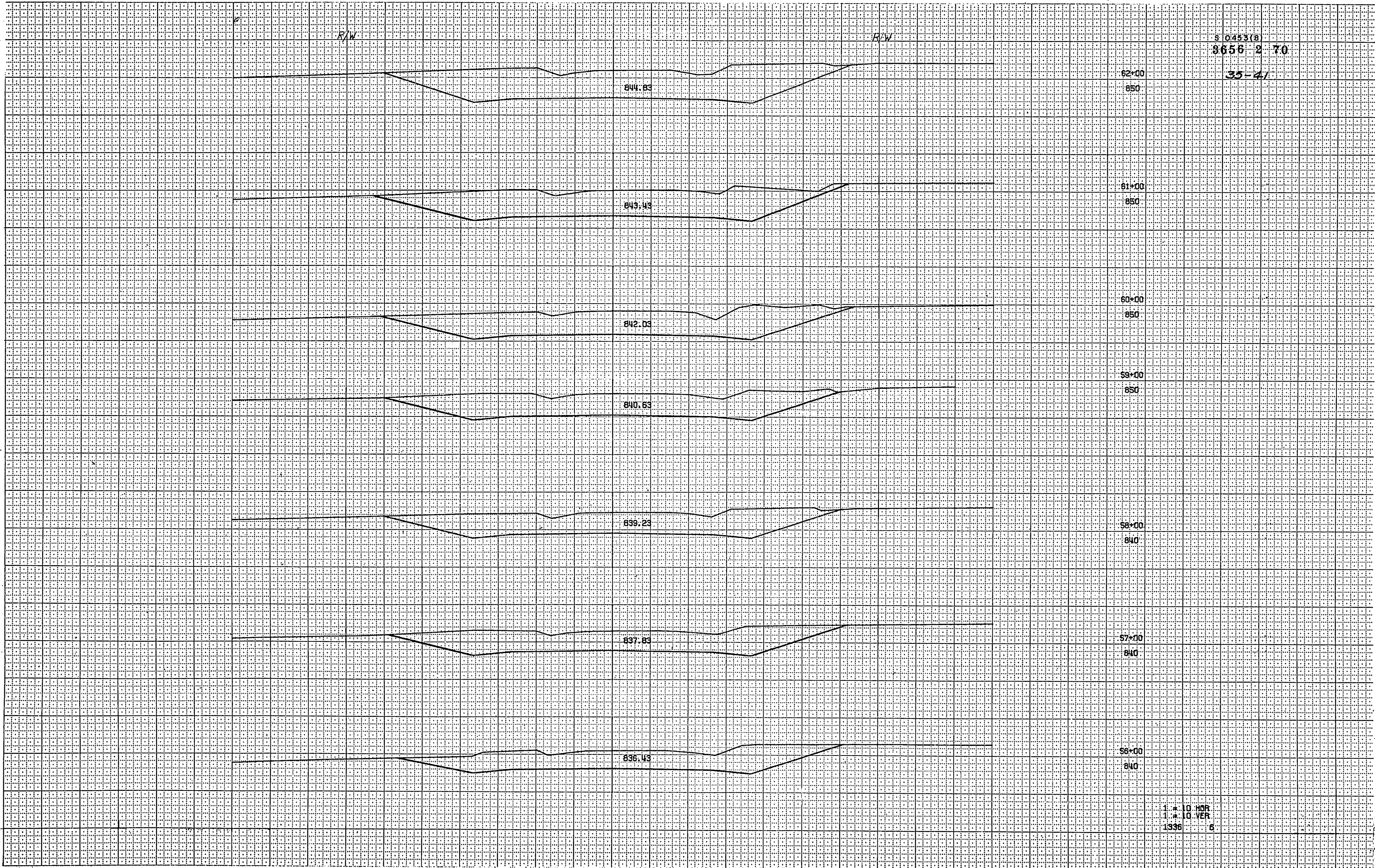
51+00

830

831.05

1" = 10' HOR  
1" = 10' VER  
1936 S





S 0453(8)

3656 2 70

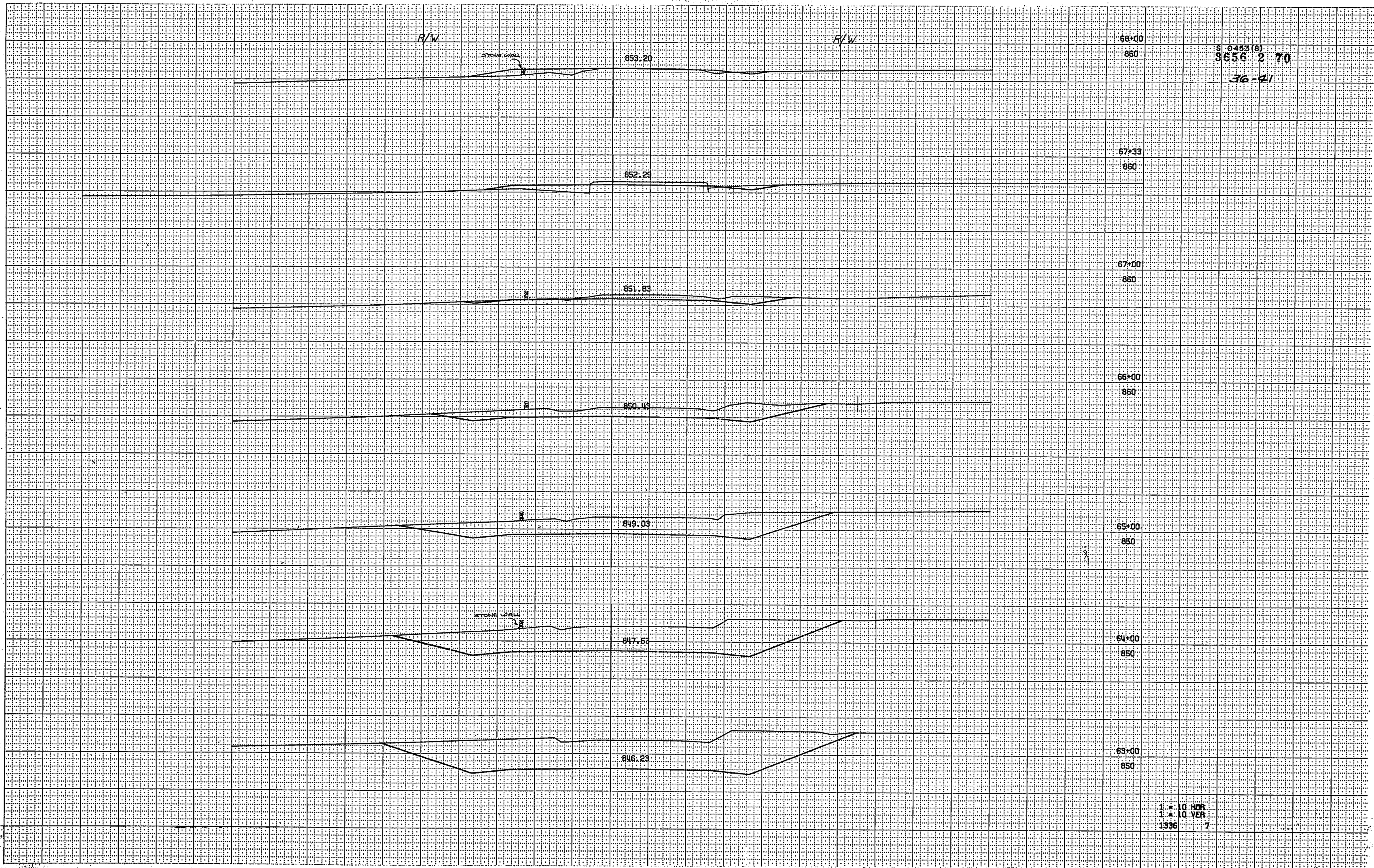
35-41

1 \* 10 HOR  
1 \* 10 VER

1936

6







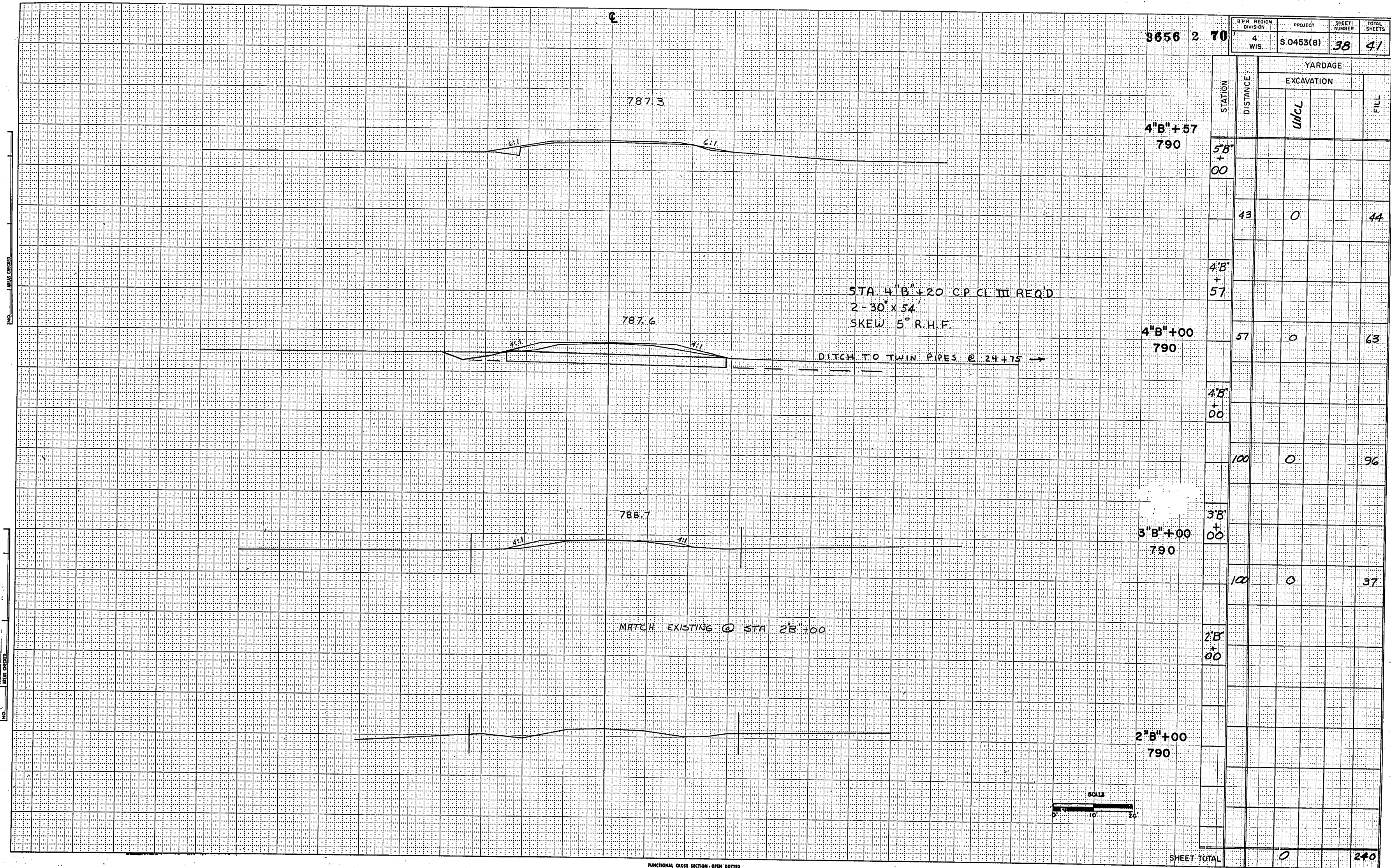
S 0453(B)  
8656 2 70  
37-41



STA 74+00 C.P. CLASS III REQD  
1'-24" x 66'

1" = 10' HOR  
1" = 10' VER  
1336 8







NOTE BOOK TEMPLATE  
AREA  
NO.

NOTE BOOK TEMPLATE  
AREA  
NO.

3656 2 70

| B.P.R. REGION<br>DIVISION | PROJECT  | SHEET<br>NUMBER | TOTAL<br>SHEETS |
|---------------------------|----------|-----------------|-----------------|
| 4<br>WIS.                 | S0453(8) | 39              | 41              |

R/W

WITHIN INTERSECTION

9"G" + 00  
860

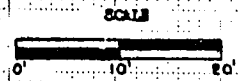
8"G" + 00  
860

7"G" + 00  
860

6"G" + 00  
860

R/W

3:1



SHEET TOTAL





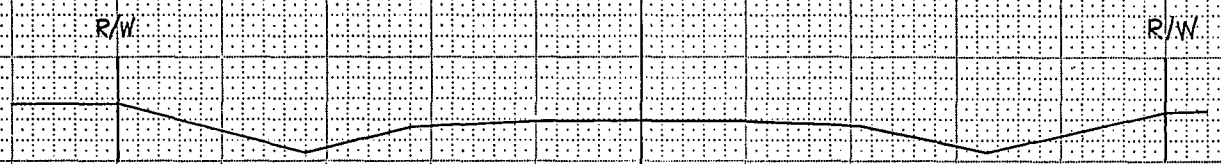


NOTE BOOK TEMPLATE  
AREA  
NO.

NOTE BOOK TEMPLATE  
AREA  
NO.

3656 2 70

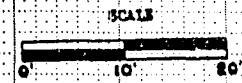
| B.P.R. REGION | PROJECT   | SHEET NUMBER | TOTAL SHEETS |
|---------------|-----------|--------------|--------------|
| 4             | S 0453(8) | 41           | 41           |
| WIS.          |           |              |              |



15"G"+00  
860

14"G"+00  
860

13"G"+00  
860



SHEET TOTAL

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ORIGINAL-FINAL TERRAIN

PAGE 1

| STATION | 17+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 780.72  | 200.0 | 779.42   | 100.0 | 779.12 | 77.0 | 778.52 | 52.0 | 779.72 | 39.0  | 786.62 | 18.0  | 787.52 | 11.0 | 787.22 | 0.0  |
| 786.82  | 8.0   | 786.22   | 14.0  | 778.52 | 38.0 | 778.12 | 58.0 | 778.02 | 100.0 | 777.78 | 200.0 |        |      |        |      |

| STATION | 17+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 778.23  | 53.0  | 778.57 | 51.5 | 781.93 | 42.0 | 786.03 | 32.0 | 787.85 | 24.1 | 786.00 | 0.0  | 783.48 | 32.9 | 778.73 | 46.0 |
| 778.34  | 47.0  | 778.63 | 56.0 |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 18+00 | ORIGINAL |       |        |      |        |       |        |       |        |      |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 781.74  | 200.0 | 779.52   | 100.0 | 779.12 | 82.0 | 779.02 | 47.0  | 786.72 | 16.0  | 786.82 | 13.0 | 786.22 | 0.0  | 785.62 | 7.0  |
| 784.72  | 15.0  | 779.02   | 39.0  | 778.82 | 59.0 | 779.42 | 100.0 | 780.88 | 200.0 |        |      |        |      |        |      |

| STATION | 18+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 778.93  | 60.0  | 779.03 | 50.0 | 783.13 | 41.0 | 785.83 | 32.0 | 787.23 | 26.0 | 787.57 | 24.1 | 785.72 | 0.0  | 783.20 | 32.9 |
| 781.03  | 40.0  | 778.94 | 47.0 | 778.53 | 48.0 | 778.53 | 63.0 |        |      |        |      |        |      |        |      |

| STATION | 19+00 | ORIGINAL |       |        |      |        |       |        |       |        |      |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 779.62  | 200.0 | 779.62   | 100.0 | 779.62 | 63.0 | 780.02 | 42.0  | 786.12 | 18.0  | 786.42 | 13.0 | 785.82 | 0.0  | 785.02 | 7.0  |
| 784.02  | 13.0  | 779.42   | 34.0  | 779.12 | 72.0 | 778.92 | 100.0 | 778.21 | 200.0 |        |      |        |      |        |      |

| STATION | 19+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 779.53  | 48.0  | 784.53 | 37.0 | 786.13 | 32.0 | 787.23 | 26.0 | 787.32 | 24.1 | 785.47 | 0.0  | 782.95 | 32.9 | 779.43 | 45.0 |
| 779.33  | 45.5  | 778.73 | 51.0 | 778.73 | 61.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 20+00 | ORIGINAL |       |        |      |        |       |        |       |        |      |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 778.15  | 200.0 | 779.82   | 100.0 | 780.42 | 64.0 | 779.62 | 44.0  | 786.02 | 15.0  | 786.02 | 11.0 | 785.52 | 0.0  | 784.42 | 9.0  |
| 783.92  | 12.0  | 780.12   | 31.0  | 779.12 | 60.0 | 778.82 | 100.0 | 778.07 | 200.0 |        |      |        |      |        |      |



ORIGINAL- 1333      FINAL- 1333

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[illegible]

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ORIGINAL-FINAL TERRAIN

PAGE 3

| STATION | 24+00 |        | ORIGINAL |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 793.11  | 200.0 | 786.70 | 100.0    | 784.20 | 61.0 | 783.70 | 29.0 | 786.20 | 17.0  | 786.30 | 14.0  | 785.90 | 0.0  | 784.90 | 8.0  |
| 784.70  | 11.0  | 783.00 | 21.0     | 782.30 | 44.0 | 782.30 | 70.0 | 782.30 | 100.0 | 782.30 | 200.0 |        |      |        |      |

| STATION | 24+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 783.96  | 60.0  | 783.96 | 50.0  | 783.76 | 43.0 | 783.90 | 42.0 | 785.96 | 32.0 | 786.76 | 26.0 | 786.79 | 24.1 | 784.94 | 0.0  |
| 782.42  | 32.9  | 781.86 | 39.0  | 782.30 | 50.0 | 782.06 | 54.0 | 782.06 | 64.0 |        |      |        |      |        |      |

| STATION | 25+00 |        | ORIGINAL |        |      |        |      |        |      |        |      |        |       |        |       |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
| 785.60  | 200.0 | 783.60 | 100.0    | 782.90 | 65.0 | 780.71 | 26.4 | 783.71 | 26.3 | 786.20 | 18.0 | 786.60 | 13.0  | 786.60 | 0.0   |
| 785.80  | 9.0   | 785.50 | 13.0     | 783.32 | 22.0 | 780.33 | 22.1 | 782.60 | 40.0 | 782.50 | 80.0 | 782.20 | 100.0 | 780.70 | 200.0 |

| STATION | 25+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 782.76  | 68.0  | 782.59 | 59.5  | 782.76 | 58.0 | 782.86 | 47.0 | 784.06 | 36.0 | 784.56 | 32.0 | 786.16 | 26.0 | 786.68 | 24.7 |
| 785.37  | 0.0   | 783.78 | 30.0  | 783.36 | 32.0 | 782.36 | 40.0 | 782.66 | 45.0 | 782.66 | 50.0 |        |      |        |      |

| STATION | 26+00 |        | ORIGINAL |        |      |        |      |        |      |        |       |        |       |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 787.26  | 200.0 | 784.50 | 100.0    | 783.70 | 71.0 | 783.30 | 42.0 | 785.90 | 32.0 | 786.50 | 11.0  | 786.60 | 0.0   | 786.00 | 9.0  |
| 785.00  | 17.0  | 783.00 | 27.0     | 782.80 | 41.0 | 783.40 | 52.0 | 782.60 | 66.0 | 782.70 | 100.0 | 782.99 | 200.0 |        |      |

| STATION | 26+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 784.16  | 64.0  | 783.86 | 56.0  | 784.26 | 42.0 | 785.96 | 32.0 | 786.30 | 26.1 | 786.04 | 0.0  | 785.65 | 26.1 | 784.46 | 32.0 |
| 783.06  | 43.0  | 783.16 | 48.0  | 783.16 | 58.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 27+00 |        | ORIGINAL |        |      |        |      |        |      |        |      |        |       |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST |
| 785.27  | 200.0 | 784.70 | 100.0    | 784.50 | 65.0 | 784.50 | 39.0 | 783.90 | 28.0 | 786.10 | 13.0 | 786.40 | 9.0   | 786.60 | 0.0  |
| 786.30  | 12.0  | 785.90 | 17.0     | 783.90 | 28.0 | 783.80 | 52.0 | 784.00 | 76.0 | 784.10 | 94.0 | 784.66 | 194.0 |        |      |





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ORIGINAL-FINAL TERRAIN

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| STATION | 31+00 | ORIGINAL |       |        |      |        |      |        |      |        |      |        |      |        |       |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
| 797.55  | 200.0 | 794.61   | 100.0 | 793.61 | 66.0 | 792.61 | 41.0 | 788.01 | 21.0 | 788.11 | 16.0 | 790.51 | 3.0  | 790.31 | 0.0   |
| 790.21  | 20.0  | 790.11   | 23.0  | 788.01 | 33.0 | 788.61 | 36.0 | 790.71 | 45.0 | 787.71 | 59.0 | 783.51 | 83.0 | 780.91 | 100.0 |
| 765.62  | 200.0 |          |       |        |      |        |      |        |      |        |      |        |      |        |       |

| STATION | 31+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 793.36  | 61.0  | 792.96 | 52.0 | 791.06 | 40.0 | 791.96 | 32.0 | 792.43 | 26.0 | 792.82 | 0.0  | 792.43 | 26.0 | 791.66 | 32.0 |
| 790.06  | 42.0  | 789.42 | 51.0 | 789.36 | 52.0 | 787.56 | 57.0 |        |      |        |      |        |      |        |      |

| STATION | 32+00 | ORIGINAL |       |        |      |        |      |        |      |        |      |        |       |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST |
| 799.86  | 200.0 | 797.11   | 100.0 | 796.01 | 60.0 | 795.51 | 26.0 | 791.21 | 15.0 | 793.41 | 5.0  | 793.61 | 0.0   | 793.51 | 2.0  |
| 793.41  | 21.0  | 793.41   | 24.0  | 792.01 | 31.0 | 794.31 | 41.0 | 794.21 | 66.0 | 793.61 | 94.0 | 791.47 | 194.0 |        |      |

| STATION | 32+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 796.19  | 62.0  | 795.79 | 52.0 | 792.69 | 38.0 | 793.39 | 32.0 | 794.47 | 26.1 | 794.86 | 0.0  | 794.47 | 26.1 | 793.89 | 32.0 |
| 793.49  | 35.0  | 793.59 | 37.0 | 793.51 | 37.5 | 792.59 | 47.0 |        |      |        |      |        |      |        |      |

| STATION | 33+00 | ORIGINAL |       |        |      |        |      |        |      |        |      |        |       |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST |
| 807.21  | 200.0 | 800.91   | 100.0 | 798.01 | 54.0 | 797.71 | 19.0 | 796.61 | 12.0 | 793.71 | 6.0  | 796.51 | 0.0   | 796.71 | 3.0  |
| 796.61  | 21.0  | 796.41   | 25.0  | 795.71 | 30.0 | 796.71 | 34.0 | 796.61 | 54.0 | 796.21 | 83.0 | 794.83 | 183.0 |        |      |

| STATION | 33+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 798.19  | 62.0  | 798.29 | 58.5 | 797.99 | 58.0 | 795.09 | 43.0 | 795.09 | 36.0 | 795.69 | 32.0 | 796.74 | 26.1 | 797.13 | 0.0  |
| 796.74  | 26.1  | 795.59 | 31.0 | 796.89 | 39.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 34+00 | ORIGINAL |      |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 820.58  | 188.0 | 803.91   | 88.0 | 800.91 | 70.0 | 799.11 | 47.0 | 799.61 | 15.0  | 795.51 | 4.0   | 796.91 | 0.0  | 798.31 | 4.0  |
| 798.31  | 24.0  | 798.31   | 28.0 | 797.21 | 33.0 | 796.71 | 64.0 | 796.31 | 100.0 | 795.20 | 200.0 |        |      |        |      |



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| STATION |       | 35+00  |       | ORIGINAL |      |        |      |        |      |        |       |        |       |        |      |
|---------|-------|--------|-------|----------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV     | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 802.44  | 200.0 | 801.61 | 100.0 | 801.41   | 76.0 | 800.91 | 39.0 | 800.11 | 11.0 | 797.31 | 5.0   | 798.41 | 0.0   | 799.91 | 4.0  |
| 800.11  | 7.0   | 800.01 | 25.0  | 800.11   | 27.0 | 798.91 | 33.0 | 798.11 | 67.0 | 797.11 | 100.0 | 794.08 | 200.0 |        |      |

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| STATION |       | 36+00  |       | ORIGINAL |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|--------|-------|----------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV     | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 802.98  | 200.0 | 802.61 | 100.0 | 802.51   | 73.0 | 802.11 | 30.0 | 802.01 | 11.0  | 801.11 | 2.0   | 801.51 | 0.0  | 802.31 | 2.0  |
| 802.61  | 6.5   | 802.51 | 26.0  | 802.41   | 30.0 | 800.71 | 55.0 | 800.71 | 100.0 | 800.71 | 200.0 |        |      |        |      |

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| STATION |       | 37+00  |       | ORIGINAL |       |        |       |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|----------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 809.84  | 200.0 | 805.91 | 100.0 | 804.81   | 72.0  | 804.61 | 22.0  | 804.81 | 0.0  | 806.41 | 6.0  | 806.51 | 8.0  | 806.31 | 26.0 |
| 805.81  | 38.0  | 810.21 | 67.0  | 809.91   | 100.0 | 809.00 | 200.0 |        |      |        |      |        |      |        |      |

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## STATE HIGHWAY COMMISSION OF WISCONSIN

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| STATION 38+00 |       | ORIGINAL |       |        |      |        |       |        |       |        |       |        |       |        |       |
|---------------|-------|----------|-------|--------|------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 826.14        | 192.0 | 811.91   | 92.0  | 808.21 | 66.0 | 807.31 | 42.0  | 807.21 | 19.0  | 808.61 | 0.0   | 810.91 | 6.0   | 811.01 | 9.0   |
| 810.91        | 28.0  | 810.41   | 34.0  | 810.91 | 47.0 | 812.11 | 61.0  | 813.91 | 100.0 | 818.53 | 200.0 |        |       |        |       |
| STATION 38+00 |       | FINAL    |       |        |      |        |       |        |       |        |       |        |       |        |       |
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 808.75        | 72.0  | 807.95   | 50.0  | 807.46 | 46.0 | 806.55 | 41.0  | 807.55 | 32.0  | 807.50 | 31.5  | 809.60 | 0.0   | 811.22 | 24.3  |
| 810.55        | 30.0  | 810.05   | 33.0  | 810.49 | 36.0 | 810.55 | 36.0  | 810.85 | 46.0  |        |       |        |       |        |       |
| STATION 39+00 |       | ORIGINAL |       |        |      |        |       |        |       |        |       |        |       |        |       |
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 827.48        | 200.0 | 817.08   | 100.0 | 814.48 | 75.0 | 812.48 | 44.0  | 813.78 | 14.0  | 815.78 | 4.0   | 814.58 | 0.0   | 816.38 | 8.0   |
| 816.68        | 18.0  | 816.58   | 37.0  | 816.48 | 40.0 | 815.68 | 47.0  | 818.48 | 54.0  | 820.28 | 70.0  | 820.18 | 84.0  | 819.47 | 184.0 |
| STATION 39+00 |       | FINAL    |       |        |      |        |       |        |       |        |       |        |       |        |       |
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 814.15        | 74.0  | 813.45   | 63.0  | 813.64 | 62.0 | 809.05 | 40.0  | 810.00 | 31.5  | 812.10 | 0.0   | 813.72 | 24.3  | 812.55 | 32.0  |
| 815.75        | 47.0  | 817.35   | 51.0  |        |      |        |       |        |       |        |       |        |       |        |       |
| STATION 40+00 |       | ORIGINAL |       |        |      |        |       |        |       |        |       |        |       |        |       |
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 823.14        | 200.0 | 820.58   | 100.0 | 819.48 | 57.0 | 819.28 | 39.0  | 819.68 | 0.0   | 820.78 | 11.0  | 818.38 | 17.0  | 821.48 | 28.0  |
| 821.68        | 32.0  | 821.58   | 51.0  | 821.48 | 56.0 | 820.58 | 61.0  | 823.88 | 67.0  | 825.48 | 76.0  | 825.48 | 100.0 | 825.48 | 200.0 |
| STATION 40+00 |       | FINAL    |       |        |      |        |       |        |       |        |       |        |       |        |       |
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 819.28        | 66.0  | 819.71   | 66.0  | 819.25 | 65.0 | 817.05 | 58.0  | 813.95 | 49.0  | 811.75 | 40.0  | 812.49 | 31.5  | 814.59 | 0.0   |
| 816.21        | 24.3  | 815.95   | 26.0  | 815.35 | 33.0 | 817.75 | 41.0  | 820.95 | 54.0  | 821.85 | 63.0  | 823.95 | 68.0  |        |       |
| STATION 41+00 |       | ORIGINAL |       |        |      |        |       |        |       |        |       |        |       |        |       |
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  |
| 825.18        | 200.0 | 822.57   | 100.0 | 821.97 | 77.0 | 821.27 | 40.0  | 821.17 | 0.0   | 822.67 | 33.0  | 825.27 | 38.0  | 824.47 | 53.0  |
| 824.87        | 75.0  | 824.27   | 84.0  | 825.77 | 96.0 | 826.57 | 112.0 | 831.57 | 212.0 |        |       |        |       |        |       |



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| STATION | 45+00 | ORIGINAL |       |        |       |        |      |        |      |        |      |        |      |        |      |
|---------|-------|----------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 831.35  | 200.0 | 828.27   | 100.0 | 827.47 | 74.0  | 826.37 | 40.0 | 825.77 | 0.0  | 825.37 | 40.0 | 825.07 | 71.0 | 824.07 | 77.0 |
| 825.37  | 84.0  | 826.07   | 105.0 | 829.40 | 205.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 45+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 827.22  | 73.0  | 827.12 | 69.0 | 827.31 | 69.0 | 824.32 | 56.0 | 820.32 | 41.0 | 822.23 | 31.5 | 824.33 | 0.0  | 825.95 | 24.3 |
| 824.82  | 33.0  | 825.32 | 43.0 | 825.12 | 75.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 46+00 | ORIGINAL |       |        |      |        |      |        |       |        |      |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 832.60  | 200.0 | 829.27   | 100.0 | 828.07 | 64.0 | 826.97 | 29.0 | 826.47 | 0.0   | 825.97 | 30.0 | 825.87 | 44.0 | 824.37 | 48.0 |
| 826.17  | 57.0  | 826.17   | 78.0  | 825.77 | 81.0 | 824.17 | 91.0 | 808.17 | 191.0 |        |      |        |      |        |      |

| STATION | 46+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 828.42  | 74.0  | 827.92 | 63.0 | 825.12 | 52.0 | 822.02 | 39.0 | 823.57 | 31.5 | 825.67 | 0.0  | 827.29 | 24.3 | 826.22 | 32.0 |
| 825.93  | 36.0  | 825.92 | 36.0 | 825.22 | 61.0 | 824.12 | 91.0 |        |      |        |      |        |      |        |      |

| STATION | 47+00 | ORIGINAL |       |        |      |        |      |        |      |        |       |        |       |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 834.98  | 200.0 | 830.27   | 100.0 | 828.67 | 66.0 | 827.87 | 35.0 | 827.27 | 0.0  | 826.87 | 19.0  | 825.07 | 26.0  | 826.17 | 31.0 |
| 826.47  | 34.0  | 826.47   | 55.0  | 826.37 | 57.0 | 824.67 | 64.0 | 825.07 | 73.0 | 824.07 | 100.0 | 820.37 | 200.0 |        |      |

| STATION | 47+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 828.82  | 73.0  | 828.62 | 61.0 | 828.53 | 60.5 | 826.02 | 50.0 | 823.32 | 38.0 | 824.72 | 31.5 | 826.82 | 0.0  | 828.44 | 24.3 |
| 828.22  | 32.0  | 826.52 | 46.0 | 826.47 | 48.5 | 825.22 | 62.0 | 825.12 | 70.0 |        |      |        |      |        |      |

| STATION | 48+00 | ORIGINAL |       |        |      |        |      |        |      |        |      |        |       |        |       |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
| 837.44  | 200.0 | 832.85   | 100.0 | 831.15 | 63.0 | 829.65 | 34.0 | 828.85 | 0.0  | 828.45 | 5.0  | 826.25 | 9.0   | 826.35 | 13.0  |
| 827.05  | 18.0  | 827.05   | 20.0  | 827.15 | 40.0 | 827.05 | 42.0 | 825.65 | 50.0 | 826.35 | 53.0 | 825.25 | 100.0 | 822.91 | 200.0 |





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| STATION | 52+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 843.99  | 200.0 | 840.66   | 100.0 | 840.16 | 85.0 | 839.46 | 48.0 | 838.66 | 9.0   | 832.96 | 0.0   | 831.96 | 3.0  | 832.66 | 11.0 |
| 832.56  | 31.0  | 831.76   | 40.0  | 834.36 | 46.0 | 831.96 | 75.0 | 830.76 | 100.0 | 825.96 | 200.0 |        |      |        |      |

| STATION | 52+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 839.86  | 73.0  | 839.76 | 67.0 | 833.46 | 50.0 | 828.66 | 36.0 | 829.68 | 26.1 | 830.07 | 0.0  | 829.68 | 26.1 | 829.16 | 34.0 |
| 833.96  | 50.0  |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 53+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 843.79  | 200.0 | 842.46   | 100.0 | 842.26 | 85.0 | 840.76 | 39.0 | 839.76 | 8.0   | 832.86 | 0.0   | 832.06 | 4.0  | 832.86 | 10.0 |
| 832.76  | 30.0  | 832.66   | 35.0  | 831.96 | 41.0 | 834.86 | 48.0 | 832.16 | 100.0 | 826.97 | 200.0 |        |      |        |      |

| STATION | 53+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 841.96  | 69.0  | 835.06 | 52.0 | 829.06 | 35.0 | 830.18 | 26.1 | 830.57 | 0.0  | 830.18 | 26.1 | 829.26 | 35.0 | 834.76 | 48.0 |

| STATION | 54+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 844.51  | 200.0 | 840.66   | 100.0 | 840.16 | 87.0 | 838.86 | 52.0 | 838.26 | 13.0  | 831.56 | 0.0   | 831.86 | 9.0  | 831.56 | 30.0 |
| 831.26  | 33.0  | 831.06   | 39.0  | 835.66 | 49.0 | 835.16 | 72.0 | 834.56 | 100.0 | 832.42 | 200.0 |        |      |        |      |

| STATION | 54+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 840.06  | 69.0  | 839.86 | 63.0 | 833.86 | 47.0 | 829.96 | 35.0 | 830.68 | 26.1 | 831.07 | 0.0  | 830.68 | 26.1 | 830.06 | 34.0 |
| 831.52  | 40.0  | 832.36 | 43.0 | 835.86 | 49.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 55+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 836.66  | 200.0 | 833.42   | 100.0 | 832.32 | 66.0 | 831.62 | 35.0 | 830.92 | 13.0  | 827.82 | 4.0   | 828.72 | 0.0  | 830.32 | 9.0  |
| 830.32  | 29.0  | 830.22   | 36.0  | 826.12 | 49.0 | 825.32 | 70.0 | 825.72 | 100.0 | 827.05 | 200.0 |        |      |        |      |





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| STATION | 59+00 | ORIGINAL |       |        |      |        |      |        |      |        |      |        |      |        |       |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
| 832.42  | 200.0 | 829.92   | 100.0 | 829.22 | 72.0 | 828.52 | 39.0 | 828.42 | 13.0 | 826.72 | 6.0  | 828.12 | 0.0  | 828.92 | 4.0   |
| 829.42  | 10.0  | 829.32   | 29.0  | 829.02 | 34.0 | 827.22 | 38.0 | 827.02 | 42.0 | 830.12 | 52.0 | 829.72 | 56.0 | 830.72 | 100.0 |
| 832.99  | 200.0 |          |       |        |      |        |      |        |      |        |      |        |      |        |       |

| STATION | 59+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 828.94  | 59.0  | 830.04 | 48.0 | 832.64 | 32.0 | 833.18 | 26.1 | 833.57 | 0.0  | 833.18 | 26.1 | 832.24 | 32.0 | 829.44 | 49.0 |
| 829.50  | 50.0  | 829.44 | 58.0 |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 60+00 | ORIGINAL |       |        |      |        |      |        |      |        |      |        |       |        |       |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
| 834.58  | 200.0 | 832.58   | 100.0 | 832.28 | 85.0 | 831.68 | 30.0 | 831.08 | 11.0 | 828.88 | 5.0  | 829.48 | 0.0   | 830.38 | 9.0   |
| 830.38  | 29.0  | 830.38   | 31.0  | 829.88 | 34.0 | 829.18 | 41.0 | 830.68 | 45.0 | 831.48 | 52.0 | 831.08 | 100.0 | 830.25 | 200.0 |

| STATION | 60+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 831.64  | 49.0  | 831.85 | 45.5 | 831.84 | 43.0 | 833.04 | 32.0 | 833.68 | 26.1 | 834.07 | 0.0  | 833.68 | 26.1 | 832.84 | 32.0 |
| 831.34  | 48.0  |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 61+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 837.17  | 200.0 | 835.58   | 100.0 | 834.88 | 56.0 | 834.68 | 30.0 | 834.28 | 12.0  | 831.78 | 7.0   | 832.38 | 0.0  | 833.28 | 8.0  |
| 832.98  | 28.0  | 832.98   | 30.0  | 832.28 | 36.0 | 831.58 | 60.0 | 830.08 | 100.0 | 826.33 | 200.0 |        |      |        |      |

| STATION | 61+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 834.88  | 52.0  | 834.83 | 49.0 | 834.00 | 45.0 | 833.18 | 34.0 | 834.18 | 26.1 | 834.57 | 0.0  | 834.18 | 26.1 | 833.18 | 32.0 |
| 832.48  | 51.0  |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 62+00 | ORIGINAL |      |        |      |        |      |        |      |        |      |        |       |        |       |
|---------|-------|----------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| ELEV    | DIST  | ELEV     | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
| 843.31  | 186.0 | 839.98   | 86.0 | 839.58 | 74.0 | 837.78 | 30.0 | 836.48 | 10.0 | 834.98 | 7.0  | 835.08 | 0.0   | 835.68 | 7.0   |
| 835.58  | 27.0  | 833.38   | 36.0 | 834.38 | 39.0 | 834.58 | 51.0 | 833.68 | 55.0 | 832.88 | 56.0 | 831.18 | 100.0 | 827.32 | 200.0 |





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| STATION | 66+00 | ORIGINAL |       |        |      |        |       |        |       |        |      |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 835.21  | 200.0 | 834.68   | 100.0 | 834.38 | 43.0 | 834.18 | 6.0   | 833.38 | 0.0   | 834.18 | 4.0  | 834.98 | 6.0  | 834.78 | 25.0 |
| 832.58  | 34.0  | 833.18   | 37.0  | 833.98 | 74.0 | 834.18 | 100.0 | 834.95 | 200.0 |        |      |        |      |        |      |

| STATION | 66+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 834.38  | 50.0  | 834.58 | 42.0 | 835.48 | 32.0 | 836.68 | 26.1 | 837.07 | 0.0  | 836.68 | 26.1 | 835.48 | 32.0 | 833.98 | 40.0 |
| 833.88  | 58.0  |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 67+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 835.05  | 200.0 | 834.76   | 100.0 | 834.56 | 32.0 | 834.46 | 9.0  | 833.46 | 4.0   | 834.56 | 0.0   | 835.36 | 5.0  | 835.06 | 24.0 |
| 833.06  | 32.0  | 834.46   | 36.0  | 835.26 | 53.0 | 835.36 | 67.0 | 836.36 | 100.0 | 839.39 | 200.0 |        |      |        |      |

| STATION | 67+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 834.57  | 48.0  | 835.57 | 32.0 | 837.18 | 26.1 | 837.57 | 0.0  | 837.18 | 26.1 | 836.17 | 32.0 | 834.79 | 43.0 | 834.57 | 44.0 |
| 835.17  | 58.0  |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 68+00 | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 835.40  | 200.0 | 835.16   | 100.0 | 835.06 | 58.0 | 835.06 | 20.0 | 834.66 | 6.0   | 834.06 | 3.0   | 834.86 | 0.0  | 835.96 | 4.0  |
| 835.76  | 24.0  | 833.86   | 33.0  | 835.16 | 36.0 | 836.86 | 70.0 | 837.56 | 100.0 | 839.89 | 200.0 |        |      |        |      |

| STATION | 68+00 | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 835.37  | 48.0  | 835.67 | 37.0 | 836.37 | 32.0 | 837.68 | 26.1 | 838.07 | 0.0  | 837.68 | 26.1 | 836.77 | 32.0 | 836.07 | 38.0 |
| 836.27  | 49.0  |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 69+00 | ORIGINAL |       |        |      |        |      |        |      |        |       |        |       |        |      |
|---------|-------|----------|-------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 835.90  | 200.0 | 836.46   | 100.0 | 836.66 | 64.0 | 836.76 | 22.0 | 835.56 | 7.0  | 835.06 | 4.0   | 836.16 | 0.0   | 836.96 | 4.0  |
| 837.06  | 23.0  | 836.96   | 25.0  | 835.66 | 32.0 | 838.76 | 39.0 | 839.16 | 60.0 | 840.66 | 100.0 | 844.41 | 200.0 |        |      |



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| STATION | 69+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 836.77  | 50.0  | 836.77 | 44.0  | 836.27 | 35.0 | 836.73 | 33.0 | 838.18 | 26.1 | 838.57 | 0.0  | 838.18 | 26.1 | 837.07 | 36.0 |
| 838.57  | 44.0  | 839.17 | 52.0  | 839.27 | 58.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 70+00 |        | ORIGINAL |        |      |        |      |        |      |        |      |        |      |        |       |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
| 836.93  | 200.0 | 838.06 | 100.0    | 838.66 | 47.0 | 839.36 | 21.0 | 838.96 | 11.0 | 836.86 | 6.0  | 838.66 | 0.0  | 839.16 | 2.0   |
| 839.26  | 4.0   | 839.36 | 22.0     | 839.16 | 27.0 | 838.26 | 32.0 | 841.06 | 36.0 | 841.96 | 48.0 | 842.16 | 55.0 | 843.16 | 100.0 |
| 845.38  | 200.0 |        |          |        |      |        |      |        |      |        |      |        |      |        |       |

| STATION | 70+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 838.57  | 48.0  | 837.07 | 37.0  | 838.68 | 26.0 | 839.07 | 0.0  | 838.68 | 26.1 | 838.07 | 35.0 | 841.37 | 49.0 | 842.07 | 52.0 |
| 842.07  | 57.0  |        |       |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 71+00 |        | ORIGINAL |        |      |        |      |        |      |        |       |        |       |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 836.62  | 200.0 | 838.76 | 100.0    | 839.36 | 72.0 | 840.36 | 38.0 | 840.96 | 8.0  | 839.36 | 7.0   | 841.16 | 0.0   | 841.66 | 3.0  |
| 841.76  | 24.0  | 841.56 | 28.0     | 840.46 | 31.0 | 843.26 | 39.0 | 844.16 | 52.0 | 844.56 | 100.0 | 845.39 | 200.0 |        |      |

| STATION | 71+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 840.01  | 50.0  | 839.77 | 49.0  | 837.77 | 35.0 | 839.18 | 26.0 | 839.57 | 0.0  | 839.18 | 26.1 | 838.57 | 34.0 | 843.07 | 50.0 |
| 844.18  | 54.0  | 843.57 | 56.0  |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 72+00 |        | ORIGINAL |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 837.07  | 200.0 | 839.86 | 100.0    | 841.06 | 57.0 | 842.76 | 22.0 | 842.76 | 8.0   | 841.86 | 4.0   | 843.26 | 0.0  | 843.86 | 3.0  |
| 843.86  | 23.0  | 842.36 | 31.0     | 844.26 | 36.0 | 844.66 | 54.0 | 847.36 | 100.0 | 853.23 | 200.0 |        |      |        |      |

| STATION | 72+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 841.27  | 50.0  | 838.57 | 35.0  | 839.68 | 26.1 | 840.07 | 0.0  | 839.68 | 26.1 | 839.07 | 34.0 | 844.57 | 52.0 | 844.97 | 55.0 |











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| STATION | 84+00 |        | ORIGINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 839.43  | 200.0 | 834.43 | 100.0    | 833.63 | 84.0 | 831.53 | 47.0 | 831.33 | 25.0 | 828.63 | 13.0 | 829.23 | 11.0 | 829.43 | 4.0  |
| 829.43  | 0.0   | 829.23 | 15.0     | 828.03 | 20.0 | 827.33 | 28.0 | 828.63 | 30.0 | 828.53 | 35.0 | 827.83 | 38.0 | 825.43 | 95.0 |
| 821.22  | 195.0 |        |          |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION | 84+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 831.96  | 54.0  | 831.86 | 50.0  | 829.06 | 34.0 | 829.93 | 26.1 | 830.32 | 0.0  | 829.93 | 26.1 | 829.26 | 32.0 | 827.96 | 44.0 |

| STATION | 85+00 |        | ORIGINAL |        |      |        |      |        |      |        |      |        |      |        |       |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
| 833.42  | 190.0 | 830.45 | 90.0     | 829.35 | 53.0 | 829.35 | 27.0 | 828.25 | 23.0 | 825.75 | 16.0 | 826.85 | 10.0 | 827.25 | 6.0   |
| 827.25  | 0.0   | 826.95 | 14.0     | 824.75 | 24.0 | 824.55 | 27.0 | 825.35 | 30.0 | 825.25 | 35.0 | 823.05 | 66.0 | 821.95 | 100.0 |
| 818.71  | 200.0 |        |          |        |      |        |      |        |      |        |      |        |      |        |       |

| STATION | 85+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 829.46  | 58.0  | 829.36 | 54.0  | 826.16 | 34.0 | 826.93 | 26.1 | 827.32 | 0.0  | 826.93 | 26.1 | 825.66 | 32.0 | 825.25 | 35.0 |
| 824.56  | 39.0  | 823.76 | 55.0  | 821.86 | 78.0 |        |      |        |      |        |      |        |      |        |      |

| STATION | 86+00 |        | ORIGINAL |        |      |        |      |        |      |        |      |        |       |        |       |
|---------|-------|--------|----------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
| 830.96  | 200.0 | 829.55 | 100.0    | 828.65 | 36.0 | 827.85 | 27.0 | 823.85 | 16.0 | 824.85 | 11.0 | 825.15 | 7.0   | 825.05 | 0.0   |
| 825.05  | 13.0  | 822.85 | 22.0     | 823.85 | 25.0 | 823.35 | 34.0 | 822.45 | 36.0 | 820.55 | 72.0 | 819.65 | 100.0 | 816.44 | 200.0 |

| STATION | 86+00 |        | FINAL |        |      |        |      |        |      |        |      |        |      |        |      |
|---------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 828.96  | 61.0  | 828.66 | 58.0  | 823.06 | 34.0 | 823.93 | 26.1 | 824.32 | 0.0  | 823.93 | 26.1 | 822.76 | 32.0 | 822.26 | 45.0 |

| STATION | 87+00 |        | ORIGINAL |        |      |        |      |        |       |        |       |        |      |        |      |
|---------|-------|--------|----------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 823.20  | 200.0 | 824.95 | 100.0    | 826.05 | 37.0 | 824.85 | 21.0 | 820.95 | 17.0  | 822.05 | 7.0   | 821.95 | 0.0  | 821.95 | 13.0 |
| 821.05  | 18.0  | 822.25 | 25.0     | 821.85 | 36.0 | 820.05 | 56.0 | 814.75 | 100.0 | 802.70 | 200.0 |        |      |        |      |

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| STATION | 87+00 |        | FINAL    |        |       |        |      |        |       |        |       |        |       |        |      |
|---------|-------|--------|----------|--------|-------|--------|------|--------|-------|--------|-------|--------|-------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 825.36  | 63.0  | 825.68 | 58.0     | 825.36 | 57.0  | 819.76 | 34.0 | 820.93 | 26.1  | 821.32 | 0.0   | 820.93 | 26.1  | 820.26 | 35.0 |
| 820.86  | 40.0  | 821.22 | 43.0     | 820.66 | 46.0  |        |      |        |       |        |       |        |       |        |      |
| STATION | 88+00 |        | ORIGINAL |        |       |        |      |        |       |        |       |        |       |        |      |
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 818.46  | 200.0 | 823.75 | 100.0    | 824.65 | 83.0  | 824.65 | 54.0 | 824.45 | 35.0  | 823.65 | 25.0  | 816.15 | 13.0  | 816.65 | 10.0 |
| 816.65  | 8.0   | 816.85 | 0.0      | 816.85 | 10.0  | 815.65 | 17.0 | 819.25 | 25.0  | 818.75 | 36.0  | 817.35 | 43.0  | 813.65 | 75.0 |
| 809.75  | 100.0 | 794.15 | 200.0    |        |       |        |      |        |       |        |       |        |       |        |      |
| STATION | 88+00 |        | FINAL    |        |       |        |      |        |       |        |       |        |       |        |      |
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 824.96  | 64.0  | 822.26 | 53.0     | 817.06 | 34.0  | 818.06 | 26.1 | 818.45 | 0.0   | 818.06 | 26.1  | 817.46 | 32.0  | 817.36 | 44.0 |
| STATION | 89+00 |        | ORIGINAL |        |       |        |      |        |       |        |       |        |       |        |      |
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 809.32  | 200.0 | 810.82 | 100.0    | 811.12 | 80.0  | 810.92 | 59.0 | 808.62 | 40.0  | 806.52 | 33.0  | 811.62 | 21.0  | 811.92 | 10.0 |
| 812.02  | 0.0   | 811.72 | 9.0      | 810.92 | 21.0  | 807.22 | 25.0 | 805.92 | 41.0  | 801.92 | 100.0 | 795.14 | 200.0 |        |      |
| STATION | 89+00 |        | FINAL    |        |       |        |      |        |       |        |       |        |       |        |      |
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 811.02  | 76.0  | 811.04 | 72.0     | 811.62 | 61.0  | 811.02 | 50.0 | 815.42 | 32.0  | 816.14 | 26.1  | 816.53 | 0.0   | 816.14 | 26.1 |
| 815.32  | 32.0  | 810.52 | 43.0     | 804.77 | 58.0  | 804.62 | 58.0 | 804.02 | 63.0  |        |       |        |       |        |      |
| STATION | 90+00 |        | ORIGINAL |        |       |        |      |        |       |        |       |        |       |        |      |
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 818.97  | 250.0 | 810.17 | 150.0    | 807.97 | 125.0 | 805.57 | 83.0 | 803.17 | 62.0  | 801.17 | 37.0  | 800.27 | 18.2  | 805.47 | 18.1 |
| 810.74  | 18.0  | 810.97 | 10.0     | 810.97 | 0.0   | 810.67 | 9.0  | 810.52 | 14.5  | 804.95 | 14.6  | 798.17 | 14.7  | 798.27 | 30.0 |
| 798.47  | 46.0  | 798.17 | 58.0     | 799.07 | 63.0  | 800.57 | 87.0 | 801.57 | 100.0 | 809.26 | 200.0 |        |       |        |      |
| STATION | 90+00 |        | FINAL    |        |       |        |      |        |       |        |       |        |       |        |      |
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 805.52  | 78.0  | 802.02 | 66.0     | 809.02 | 43.0  | 814.62 | 32.0 | 815.30 | 26.1  | 815.69 | 0.0   | 815.30 | 26.1  | 814.22 | 32.0 |
| 806.32  | 50.0  | 799.72 | 67.0     | 799.38 | 68.0  | 799.42 | 76.0 |        |       |        |       |        |       |        |      |









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| STATION 98+00  |       | ORIGINAL |       |        |       |        |      |        |      |        |       |        |       |        |      |
|----------------|-------|----------|-------|--------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 831.69         | 200.0 | 829.61   | 100.0 | 828.61 | 52.0  | 828.21 | 36.0 | 826.81 | 23.0 | 826.11 | 20.0  | 826.21 | 11.0  | 826.31 | 0.0  |
| 826.01         | 7.0   | 825.01   | 12.0  | 823.61 | 29.0  | 820.31 | 51.0 | 815.31 | 85.0 | 813.11 | 100.0 | 798.44 | 200.0 |        |      |
| STATION 98+00  |       | FINAL    |       |        |       |        |      |        |      |        |       |        |       |        |      |
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 828.69         | 52.0  | 828.29   | 45.0  | 825.99 | 34.0  | 825.92 | 26.1 | 826.31 | 0.0  | 825.92 | 26.1  | 825.29 | 32.0  | 822.89 | 42.0 |
| 820.79         | 53.0  |          |       |        |       |        |      |        |      |        |       |        |       |        |      |
| STATION 99+00  |       | ORIGINAL |       |        |       |        |      |        |      |        |       |        |       |        |      |
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 831.05         | 200.0 | 829.72   | 100.0 | 829.32 | 70.0  | 828.62 | 32.0 | 828.22 | 26.0 | 825.72 | 22.0  | 826.12 | 14.0  | 826.02 | 11.0 |
| 826.02         | 0.0   | 826.02   | 8.0   | 825.82 | 11.0  | 824.02 | 18.0 | 823.72 | 23.0 | 824.32 | 25.0  | 823.22 | 30.0  | 820.02 | 55.0 |
| 814.42         | 100.0 | 801.98   | 200.0 |        |       |        |      |        |      |        |       |        |       |        |      |
| STATION 99+00  |       | FINAL    |       |        |       |        |      |        |      |        |       |        |       |        |      |
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 828.95         | 50.0  | 828.69   | 48.0  | 825.79 | 34.0  | 825.93 | 26.1 | 826.22 | 0.0  | 825.93 | 26.1  | 825.29 | 32.0  | 821.59 | 45.0 |
| 820.89         | 48.0  |          |       |        |       |        |      |        |      |        |       |        |       |        |      |
| STATION 100+00 |       | ORIGINAL |       |        |       |        |      |        |      |        |       |        |       |        |      |
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 832.54         | 200.0 | 829.72   | 100.0 | 828.62 | 61.0  | 827.22 | 28.0 | 824.72 | 22.0 | 825.12 | 14.0  | 824.92 | 10.0  | 824.92 | 0.0  |
| 824.72         | 9.0   | 824.22   | 14.0  | 823.12 | 18.0  | 822.82 | 22.0 | 823.52 | 25.0 | 823.32 | 27.0  | 821.92 | 31.0  | 819.52 | 50.0 |
| 816.62         | 68.0  | 813.12   | 104.0 | 803.40 | 204.0 |        |      |        |      |        |       |        |       |        |      |
| STATION 100+00 |       | FINAL    |       |        |       |        |      |        |      |        |       |        |       |        |      |
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 828.44         | 60.0  | 827.44   | 51.0  | 824.44 | 36.0  | 825.49 | 26.1 | 825.90 | 0.0  | 825.49 | 26.1  | 824.64 | 32.0  | 820.44 | 46.0 |
| 819.84         | 50.0  |          |       |        |       |        |      |        |      |        |       |        |       |        |      |
| STATION 101+00 |       | ORIGINAL |       |        |       |        |      |        |      |        |       |        |       |        |      |
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 838.42         | 186.0 | 829.22   | 86.0  | 826.92 | 61.0  | 825.72 | 20.0 | 824.12 | 16.0 | 824.82 | 9.0   | 824.42 | 0.0   | 824.32 | 9.0  |
| 823.92         | 15.0  | 822.82   | 19.0  | 822.92 | 28.0  | 821.62 | 30.0 | 818.32 | 77.0 | 812.62 | 100.0 | 787.84 | 200.0 |        |      |

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| STATION 101+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|----------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV           | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 827.64         | 59.0 | 826.54 | 50.0 | 823.34 | 36.0 | 824.60 | 26.1 | 824.99 | 0.0  | 824.60 | 26.1 | 823.64 | 32.0 | 820.71 | 43.0 |
| 819.44         | 48.0 |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 102+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |      |        |      |        |      |
|----------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 829.79         | 200.0 | 827.72   | 100.0 | 827.12 | 71.0 | 826.62 | 32.0 | 825.32 | 27.0 | 822.62 | 21.0 | 823.12 | 15.0 | 823.12 | 9.0  |
| 823.12         | 0.0   | 823.12   | 8.0   | 823.12 | 11.0 | 822.42 | 15.0 | 821.72 | 17.0 | 821.52 | 27.0 | 820.12 | 31.0 | 816.12 | 59.0 |
| 811.62         | 100.0 | 800.64   | 200.0 |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 102+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|----------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV           | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 826.94         | 59.0 | 826.84 | 55.0 | 822.14 | 36.0 | 823.26 | 26.1 | 823.65 | 0.0  | 823.26 | 26.1 | 822.04 | 32.0 | 818.14 | 48.0 |
| 817.24         | 53.0 |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 103+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |      |        |      |        |       |
|----------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
| 830.38         | 200.0 | 827.60   | 100.0 | 826.60 | 64.0 | 826.20 | 34.0 | 824.90 | 28.0 | 821.40 | 23.0 | 822.10 | 17.0 | 822.30 | 10.0  |
| 822.20         | 0.0   | 822.20   | 8.0   | 822.20 | 11.0 | 821.20 | 19.0 | 820.60 | 27.0 | 818.30 | 35.0 | 813.80 | 69.0 | 809.40 | 100.0 |
| 795.21         | 200.0 |          |       |        |      |        |      |        |      |        |      |        |      |        |       |

| STATION 103+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|----------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV           | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 826.58         | 58.0 | 826.48 | 55.0 | 820.68 | 35.0 | 821.47 | 26.1 | 821.86 | 0.0  | 821.47 | 26.1 | 820.78 | 32.0 | 817.68 | 43.0 |
| 816.58         | 52.0 |        |      |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 104+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |      |        |      |        |      |
|----------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV           | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 829.18         | 200.0 | 826.00   | 100.0 | 824.60 | 56.0 | 824.40 | 33.0 | 823.30 | 24.0 | 819.80 | 19.0 | 820.50 | 13.0 | 820.50 | 9.0  |
| 820.30         | 0.0   | 820.30   | 8.0   | 820.10 | 14.0 | 818.30 | 25.0 | 818.90 | 27.0 | 815.50 | 40.0 | 812.80 | 60.0 | 809.80 | 80.0 |
| 794.80         | 180.0 |          |       |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 104+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|----------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV           | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 824.58         | 59.0 | 818.38 | 34.0 | 819.23 | 26.1 | 819.62 | 0.0  | 819.23 | 26.1 | 817.98 | 32.0 | 817.07 | 34.0 | 815.38 | 39.0 |



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STATION 32+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|------|--------|------|--------|------|--------|-------|--------|------|--------|------|--------|------|
| 827.64 | 189.0 | 796.81 | 89.0 | 793.11 | 77.0 | 787.11 | 64.0 | 786.21 | 50.0  | 787.01 | 35.0 | 789.81 | 31.0 | 793.21 | 20.0 |
| 794.11 | 16.0  | 794.51 | 11.0 | 794.71 | 0.0  | 794.41 | 11.0 | 793.91 | 16.0  | 792.11 | 21.0 | 791.31 | 26.0 | 793.91 | 34.0 |
| 793.61 | 43.0  | 794.31 | 49.0 | 795.91 | 56.0 | 800.01 | 86.0 | 813.68 | 186.0 |        |      |        |      |        |      |

STATION 32+00

FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 786.83 | 56.0 | 786.23 | 50.0 | 787.13 | 45.0 | 792.13 | 31.0 | 793.11 | 26.6 | 793.50 | 0.0  | 793.11 | 26.6 | 792.23 | 36.0 |
| 794.73 | 53.0 | 796.13 | 57.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 32+50

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| 781.91 | 240.0 | 784.71 | 140.0 | 785.41 | 115.0 | 786.91 | 75.0  | 787.41 | 49.0 | 788.11 | 30.0 | 788.73 | 29.1 | 790.79 | 29.0 |
| 791.31 | 25.0  | 793.41 | 19.0  | 794.11 | 15.0  | 794.31 | 11.0  | 794.61 | 0.0  | 794.21 | 11.0 | 793.81 | 17.0 | 792.64 | 24.0 |
| 790.61 | 24.1  | 792.21 | 38.0  | 793.31 | 52.0  | 801.17 | 152.0 |        |      |        |      |        |      |        |      |

STATION 32+50

FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 788.53 | 50.0 | 787.53 | 44.0 | 787.59 | 44.0 | 792.03 | 32.0 | 792.86 | 26.6 | 793.25 | 0.0  | 792.86 | 26.6 | 791.23 | 42.0 |
| 793.23 | 51.0 | 793.53 | 55.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 33+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|------|--------|------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| 841.42 | 187.0 | 799.11 | 87.0 | 793.61 | 74.0 | 788.01 | 62.0  | 788.31 | 51.0 | 788.21 | 40.0 | 788.41 | 33.0 | 790.01 | 26.0 |
| 793.21 | 20.0  | 793.71 | 17.0 | 794.11 | 11.0 | 794.21 | 0.0   | 793.91 | 11.0 | 793.81 | 26.0 | 794.21 | 43.0 | 794.41 | 59.0 |
| 794.51 | 66.0  | 797.01 | 78.0 | 800.41 | 95.0 | 820.41 | 195.0 |        |      |        |      |        |      |        |      |

STATION 33+00

FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 788.43 | 50.0 | 788.53 | 44.0 | 791.43 | 35.0 | 792.63 | 26.6 | 793.02 | 0.0  | 792.63 | 26.6 | 791.43 | 37.0 | 794.53 | 51.0 |
| 794.33 | 55.0 | 794.33 | 61.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 34+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| 803.18 | 200.0 | 794.61 | 100.0 | 792.81 | 79.0 | 792.11 | 53.0  | 792.11 | 42.0  | 789.01 | 30.0 | 790.21 | 24.0 | 793.51 | 13.0 |
| 793.71 | 11.0  | 793.81 | 0.0   | 793.71 | 11.0 | 793.51 | 13.0  | 792.21 | 20.0  | 791.71 | 23.0 | 794.91 | 32.0 | 795.71 | 48.0 |
| 796.41 | 61.0  | 797.11 | 64.0  | 797.71 | 83.0 | 799.01 | 100.0 | 806.66 | 200.0 |        |      |        |      |        |      |

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| STATION 34+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 793.73        | 72.0 | 793.43 | 69.0 | 792.45 | 65.5 | 789.73 | 56.0 | 790.23 | 45.0 | 791.93 | 36.0 | 792.95 | 26.6 | 793.34 | 0.0  |
| 792.95        | 26.6 | 792.33 | 33.0 | 792.63 | 41.0 | 796.13 | 56.0 | 796.23 | 59.0 |        |      |        |      |        |      |

| STATION 35+00 |       | ORIGINAL |      |        |      |        |       |        |       |        |      |        |      |        |      |
|---------------|-------|----------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 802.49        | 196.0 | 795.61   | 96.0 | 794.51 | 80.0 | 795.01 | 71.0  | 790.81 | 53.0  | 791.01 | 36.0 | 790.21 | 32.0 | 790.01 | 26.0 |
| 792.91        | 17.0  | 793.71   | 11.0 | 793.91 | 0.0  | 793.71 | 10.0  | 793.71 | 12.0  | 793.51 | 15.0 | 791.91 | 23.0 | 793.81 | 28.0 |
| 795.11        | 32.0  | 795.91   | 54.0 | 796.91 | 78.0 | 798.11 | 100.0 | 803.56 | 200.0 |        |      |        |      |        |      |

| STATION 35+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 795.13        | 72.0 | 795.03 | 71.0 | 790.63 | 54.0 | 790.43 | 46.0 | 793.23 | 34.0 | 794.43 | 26.6 | 794.82 | 0.0  | 794.43 | 26.6 |
| 793.73        | 33.0 | 793.93 | 38.0 | 795.73 | 47.0 | 795.73 | 51.0 |        |      |        |      |        |      |        |      |

| STATION 36+00 |       | ORIGINAL |       |        |       |        |       |        |      |        |      |        |      |        |      |
|---------------|-------|----------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 802.13        | 200.0 | 797.51   | 100.0 | 796.31 | 74.0  | 795.51 | 42.0  | 793.31 | 31.0 | 793.11 | 25.0 | 794.11 | 20.0 | 795.11 | 13.0 |
| 795.11        | 11.0  | 795.31   | 0.0   | 795.11 | 11.0  | 794.91 | 14.0  | 793.11 | 21.0 | 792.91 | 30.0 | 791.21 | 39.0 | 790.81 | 44.0 |
| 795.21        | 54.0  | 795.81   | 79.0  | 796.51 | 100.0 | 799.84 | 200.0 |        |      |        |      |        |      |        |      |

| STATION 36+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 795.83        | 60.0 | 795.63 | 54.0 | 795.73 | 47.0 | 795.73 | 40.0 | 797.07 | 26.6 | 797.46 | 0.0  | 797.07 | 26.6 | 794.13 | 34.0 |
| 790.93        | 35.0 | 790.73 | 44.0 | 794.83 | 51.0 | 795.43 | 70.0 |        |      |        |      |        |      |        |      |

| STATION 37+00 |       | ORIGINAL |       |        |      |        |       |        |       |        |      |        |      |        |      |
|---------------|-------|----------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 811.07        | 200.0 | 805.36   | 100.0 | 804.16 | 79.0 | 802.26 | 56.0  | 798.96 | 39.0  | 797.76 | 22.0 | 796.76 | 17.0 | 797.66 | 12.0 |
| 797.76        | 11.0  | 797.66   | 0.0   | 797.46 | 12.0 | 795.66 | 17.0  | 796.06 | 27.0  | 793.86 | 39.0 | 794.06 | 61.0 | 793.86 | 74.0 |
| 793.06        | 80.0  | 793.06   | 83.0  | 794.06 | 94.0 | 794.16 | 100.0 | 795.83 | 200.0 |        |      |        |      |        |      |

| STATION 37+00 |      | FINAL  |      |        |      |        |      |        |      |        |       |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 800.11        | 48.0 | 799.93 | 44.0 | 800.21 | 43.0 | 800.11 | 36.0 | 801.07 | 26.6 | 801.26 | 0.0   | 801.07 | 26.6 | 797.41 | 47.0 |
| 792.31        | 76.0 | 791.91 | 82.0 | 792.21 | 93.0 | 794.13 | 98.0 | 794.21 | 98.0 | 794.81 | 102.0 |        |      |        |      |



|          |   |                              |
|----------|---|------------------------------|
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| STATION | 40+00 |        | ORIGINAL |        |      |        |       |        |       |        |      |        |      |        |      |
|---------|-------|--------|----------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| ELEV    | DIST  | ELEV   | DIST     | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 835.52  | 197.0 | 818.85 | 97.0     | 815.85 | 79.0 | 813.75 | 66.0  | 812.25 | 49.0  | 812.05 | 37.0 | 813.15 | 27.0 | 813.85 | 15.0 |
| 812.95  | 13.0  | 813.65 | 7.0      | 813.85 | 0.0  | 813.95 | 14.0  | 813.75 | 17.0  | 813.15 | 21.0 | 814.25 | 24.0 | 813.05 | 31.0 |
| 810.65  | 38.0  | 806.85 | 64.0     | 803.95 | 92.0 | 802.75 | 110.0 | 796.08 | 210.0 |        |      |        |      |        |      |

| STATION |      | 40+00  |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |
|---------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV    | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 817.37  | 91.0 | 816.47 | 86.0 | 815.69 | 78.0 | 814.37 | 59.0 | 814.07 | 46.0 | 814.47 | 35.0 | 816.69 | 26.6 | 817.08 | 0.0  |
| 816.69  | 26.6 | 815.17 | 33.0 | 808.02 | 56.0 | 807.17 | 59.0 | 805.87 | 69.0 | 805.57 | 73.0 |        |      |        |      |

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ORIGINAL-FINAL TERRAIN

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| STATION 43+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 831.80        | 190.0 | 831.80   | 90.0  | 831.80 | 69.0 | 832.40 | 57.0 | 832.10 | 37.0 | 830.90 | 20.0 | 828.40 | 12.0 | 828.60 | 8.0  |
| 828.80        | 3.0   | 828.80   | 0.0   | 828.60 | 17.0 | 828.60 | 20.0 | 828.10 | 24.0 | 827.10 | 27.0 | 827.90 | 32.0 | 828.30 | 62.0 |
| 828.00        | 92.0  | 827.00   | 192.0 |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 43+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 832.25        | 59.0 | 832.45 | 53.0 | 832.15 | 48.0 | 828.55 | 34.0 | 828.25 | 24.1 | 826.33 | 24.0 | 826.68 | 0.0  | 826.33 | 24.0 |
| 828.35        | 24.1 | 827.95 | 36.0 | 828.05 | 40.0 |        |      |        |      |        |      |        |      |        |      |

| STATION 44+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |       |        |       |        |      |
|---------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 830.68        | 200.0 | 831.48   | 100.0 | 831.68 | 75.0 | 830.98 | 40.0 | 830.08 | 17.0 | 828.38 | 11.0  | 828.78 | 3.0   | 828.78 | 0.0  |
| 828.78        | 17.0  | 828.48   | 21.0  | 827.18 | 28.0 | 826.48 | 34.0 | 823.38 | 63.0 | 819.08 | 100.0 | 807.46 | 200.0 |        |      |

| STATION 44+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 831.65        | 56.0 | 831.45 | 52.0 | 831.18 | 50.0 | 828.55 | 36.0 | 828.55 | 29.0 | 827.62 | 26.6 | 828.01 | 0.0  | 827.62 | 26.6 |
| 827.85        | 30.0 | 825.25 | 46.0 | 824.65 | 51.0 | 823.55 | 62.0 |        |      |        |      |        |      |        |      |

| STATION 45+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |       |        |      |        |      |
|---------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|-------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 830.24        | 200.0 | 829.08   | 100.0 | 828.58 | 57.0 | 827.98 | 18.0 | 827.68 | 11.0 | 828.38 | 3.0   | 828.38 | 0.0  | 828.28 | 16.0 |
| 827.98        | 26.0  | 826.98   | 29.0  | 825.48 | 46.0 | 823.08 | 78.0 | 820.88 | 98.0 | 809.88 | 198.0 |        |      |        |      |

| STATION 45+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 828.37        | 61.0 | 828.47 | 54.0 | 826.37 | 41.0 | 826.27 | 36.0 | 828.14 | 26.6 | 828.53 | 0.0  | 828.14 | 26.6 | 825.47 | 36.0 |
| 825.07        | 53.0 | 824.67 | 57.0 |        |      |        |      |        |      |        |      |        |      |        |      |

| STATION 46+00 |       | ORIGINAL |       |        |      |        |      |        |       |        |       |        |      |        |      |
|---------------|-------|----------|-------|--------|------|--------|------|--------|-------|--------|-------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST |
| 833.88        | 200.0 | 831.88   | 100.0 | 831.48 | 80.0 | 830.78 | 39.0 | 830.38 | 18.0  | 827.28 | 12.0  | 827.68 | 4.0  | 827.68 | 0.0  |
| 827.68        | 17.0  | 827.48   | 23.0  | 826.78 | 34.0 | 821.28 | 72.0 | 815.88 | 100.0 | 796.59 | 200.0 |        |      |        |      |



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ORIGINAL- 1336      FINAL- 1336

|      |   |    |    |
|------|---|----|----|
| 3656 | 2 | 70 | 31 |
|------|---|----|----|

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STATION 59+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 844.95 | 67.0 | 845.05 | 62.0 | 843.05 | 51.0 | 840.05 | 38.0 | 840.05 | 34.0 | 840.89 | 26.6 | 841.28 | 0.0  | 840.89 | 26.6 |
| 840.45 | 31.0 | 840.45 | 36.0 | 844.75 | 53.0 | 847.85 | 66.0 | 848.25 | 70.0 |        |      |        |      |        |      |

STATION 60+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|------|--------|-------|--------|-------|--------|------|--------|------|--------|------|
| 843.13 | 200.0 | 845.75 | 100.0 | 846.85 | 58.0 | 847.75 | 29.0  | 847.95 | 20.0  | 846.85 | 16.0 | 847.95 | 10.0 | 848.15 | 6.0  |
| 848.25 | 0.0   | 848.25 | 14.0  | 847.75 | 22.0 | 846.95 | 24.0  | 845.95 | 27.0  | 849.25 | 33.0 | 849.95 | 37.0 | 849.25 | 45.0 |
| 850.05 | 54.0  | 848.95 | 58.0  | 849.55 | 61.0 | 850.05 | 100.0 | 851.33 | 200.0 |        |      |        |      |        |      |

STATION 60+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 846.65 | 65.0 | 846.85 | 61.0 | 843.25 | 47.0 | 841.65 | 38.0 | 841.65 | 35.0 | 842.39 | 26.6 | 842.78 | 0.0  | 842.39 | 26.6 |
| 841.95 | 31.0 | 841.95 | 35.0 | 846.25 | 53.0 | 849.65 | 66.0 | 849.65 | 73.0 |        |      |        |      |        |      |

STATION 61+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 845.02 | 200.0 | 847.65 | 100.0 | 848.65 | 62.0 | 850.25 | 27.0 | 850.35 | 20.0 | 848.65 | 15.0 | 849.15 | 12.0 | 849.75 | 8.0  |
| 850.05 | 5.0   | 850.15 | 0.0   | 850.35 | 16.0 | 850.05 | 23.0 | 849.35 | 28.0 | 851.55 | 32.0 | 850.15 | 54.0 | 852.15 | 58.0 |
| 852.45 | 100.0 | 853.16 | 200.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 61+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 848.52 | 70.0 | 848.82 | 66.0 | 845.52 | 51.0 | 843.02 | 39.0 | 842.92 | 35.0 | 843.89 | 26.6 | 844.28 | 0.0  | 843.89 | 26.6 |
| 843.42 | 32.0 | 843.42 | 37.0 | 847.32 | 50.0 | 851.82 | 67.0 | 852.22 | 68.0 | 851.82 | 73.0 |        |      |        |      |

STATION 62+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 847.18 | 200.0 | 850.15 | 100.0 | 851.25 | 63.0 | 852.65 | 28.0 | 852.75 | 20.0 | 850.65 | 14.0 | 851.35 | 11.0 | 852.05 | 5.0  |
| 852.15 | 0.0   | 852.25 | 15.0  | 851.05 | 22.0 | 851.25 | 26.0 | 853.75 | 31.0 | 854.25 | 55.0 | 853.55 | 58.0 | 854.25 | 69.0 |
| 854.25 | 100.0 | 854.25 | 200.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 62+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 850.92 | 69.0 | 851.12 | 65.0 | 847.62 | 50.0 | 844.52 | 37.0 | 844.52 | 35.0 | 845.39 | 26.6 | 845.78 | 0.0  | 845.39 | 26.6 |
| 844.92 | 32.0 | 845.02 | 35.0 | 849.42 | 52.0 | 854.12 | 68.0 | 854.32 | 74.0 |        |      |        |      |        |      |

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STATION 63+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 849.05 | 200.0 | 851.75 | 100.0 | 852.75 | 63.0 | 853.65 | 36.0 | 854.35 | 15.0 | 853.15 | 13.0 | 853.55 | 7.0  | 853.75 | 4.0  |
| 853.75 | 0.0   | 853.75 | 16.0  | 853.65 | 19.0 | 853.25 | 26.0 | 856.55 | 32.0 | 856.25 | 55.0 | 855.65 | 58.0 | 856.15 | 63.0 |
| 856.15 | 100.0 | 856.15 | 200.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 63+00

FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 852.42 | 69.0 | 852.62 | 64.0 | 850.42 | 54.0 | 846.02 | 39.0 | 845.92 | 34.0 | 846.89 | 26.6 | 847.28 | 0.0  | 846.89 | 26.6 |
| 846.42 | 33.0 | 846.42 | 35.0 | 851.92 | 53.0 | 856.12 | 69.0 | 856.22 | 75.0 |        |      |        |      |        |      |

STATION 64+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| 845.40 | 200.0 | 849.65 | 100.0 | 851.35 | 60.0 | 852.95 | 29.0 | 854.15 | 16.0 | 853.15 | 13.0 | 853.75 | 10.0 | 854.15 | 4.0   |
| 854.15 | 0.0   | 854.15 | 16.0  | 854.15 | 20.0 | 853.85 | 27.0 | 856.25 | 31.0 | 856.05 | 68.0 | 856.45 | 75.0 | 856.45 | 100.0 |

STATION 64+00

FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 851.02 | 65.0 | 851.22 | 61.0 | 848.82 | 48.0 | 847.02 | 39.0 | 848.39 | 26.6 | 848.78 | 0.0  | 848.39 | 26.6 | 847.82 | 32.0 |
| 847.92 | 36.0 | 852.42 | 52.0 | 856.02 | 64.0 | 856.12 | 70.0 |        |      |        |      |        |      |        |      |

STATION 65+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 844.48 | 200.0 | 849.07 | 100.0 | 850.77 | 63.0  | 852.27 | 26.0 | 852.67 | 22.0 | 852.97 | 15.0 | 852.27 | 12.0 | 852.87 | 10.0 |
| 853.47 | 5.0   | 853.47 | 0.0   | 853.47 | 17.0  | 853.27 | 26.0 | 852.87 | 28.0 | 854.27 | 30.0 | 854.87 | 37.0 | 855.07 | 55.0 |
| 855.17 | 74.0  | 855.47 | 100.0 | 856.62 | 200.0 |        |      |        |      |        |      |        |      |        |      |

STATION 65+00

FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 850.72 | 69.0 | 850.82 | 62.0 | 849.72 | 53.0 | 848.32 | 41.0 | 848.32 | 37.0 | 849.89 | 26.6 | 850.28 | 0.0  | 849.89 | 26.6 |
| 849.22 | 33.0 | 849.22 | 37.0 | 851.12 | 46.0 | 855.11 | 62.0 | 854.82 | 62.0 | 854.82 | 66.0 |        |      |        |      |

STATION 66+00

ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| 845.26 | 200.0 | 848.77 | 100.0 | 850.07 | 63.0  | 851.97 | 26.0  | 852.47 | 17.0 | 851.77 | 14.0 | 851.77 | 9.0  | 852.77 | 3.0  |
| 852.77 | 0.0   | 852.77 | 17.0  | 852.57 | 23.0  | 851.97 | 27.0  | 853.47 | 31.0 | 854.27 | 36.0 | 853.57 | 45.0 | 854.17 | 55.0 |
| 853.97 | 65.0  | 854.47 | 73.0  | 854.67 | 100.0 | 855.41 | 200.0 |        |      |        |      |        |      |        |      |



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STATION 66+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 850.39 | 56.0 | 850.59 | 52.0 | 850.19 | 40.0 | 851.36 | 26.6 | 851.75 | 0.0  | 851.36 | 26.6 | 850.49 | 33.0 | 850.79 | 37.0 |
| 853.59 | 58.0 | 854.09 | 66.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 67+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| 846.34 | 200.0 | 848.97 | 100.0 | 849.97 | 62.0 | 851.57 | 25.0 | 851.87 | 15.0 | 851.27 | 12.0 | 851.97 | 10.0 | 852.37 | 6.0   |
| 852.87 | 3.0   | 852.87 | 0.0   | 852.87 | 17.0 | 852.47 | 24.0 | 851.87 | 28.0 | 852.67 | 32.0 | 852.07 | 59.0 | 853.27 | 100.0 |
| 856.20 | 200.0 |        |       |        |      |        |      |        |      |        |      |        |      |        |       |

STATION 67+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 850.19 | 51.0 | 850.99 | 41.0 | 852.68 | 26.6 | 853.07 | 0.0  | 852.68 | 26.6 | 851.59 | 34.0 | 851.49 | 42.0 | 852.29 | 49.0 |
| 852.69 | 56.0 | 853.09 | 63.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 68+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|
| 845.96 | 200.0 | 849.07 | 100.0 | 850.47 | 55.0 | 851.17 | 27.0 | 852.07 | 17.0 | 851.37 | 11.0 | 852.47 | 8.0  | 853.27 | 3.0   |
| 853.27 | 0.0   | 853.17 | 17.0  | 852.87 | 23.0 | 851.87 | 27.0 | 852.37 | 30.0 | 852.87 | 57.0 | 853.07 | 74.0 | 853.27 | 100.0 |
| 854.04 | 200.0 |        |       |        |      |        |      |        |      |        |      |        |      |        |       |

STATION 68+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 850.99 | 43.0 | 852.99 | 31.0 | 853.85 | 26.6 | 854.24 | 0.0  | 853.85 | 26.6 | 852.48 | 36.0 | 852.49 | 36.0 | 852.79 | 53.0 |
| 852.79 | 69.0 | 852.89 | 79.0 |        |      |        |      |        |      |        |      |        |      |        |      |

STATION 69+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|
| 847.34 | 200.0 | 850.47 | 100.0 | 850.97 | 84.0  | 852.07 | 50.0  | 852.87 | 24.0 | 853.27 | 16.0 | 851.97 | 12.0 | 853.27 | 7.0  |
| 853.77 | 3.0   | 853.77 | 0.0   | 853.67 | 17.0  | 853.27 | 20.0  | 852.17 | 26.0 | 853.27 | 31.0 | 854.17 | 35.0 | 853.27 | 40.0 |
| 853.87 | 54.0  | 854.17 | 73.0  | 854.27 | 100.0 | 854.64 | 200.0 |        |      |        |      |        |      |        |      |

STATION 69+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 851.89 | 56.0 | 852.19 | 47.0 | 855.02 | 26.6 | 855.41 | 0.0  | 855.02 | 26.6 | 853.49 | 35.0 | 853.79 | 65.0 | 853.89 | 75.0 |

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## STATION 70+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| 849.75 | 200.0 | 853.37 | 100.0 | 855.07 | 53.0 | 855.47 | 17.0 | 853.37 | 12.0 | 854.27 | 7.0  | 854.37 | 2.0   | 854.37 | 0.0   |
| 854.37 | 18.0  | 854.27 | 23.0  | 853.47 | 27.0 | 855.37 | 35.0 | 854.87 | 52.0 | 855.17 | 66.0 | 856.27 | 102.0 | 859.33 | 202.0 |

## STATION 70+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 854.49 | 60.0 | 854.89 | 54.0 | 855.09 | 49.0 | 855.13 | 48.0 | 854.39 | 36.0 | 855.75 | 26.6 | 856.14 | 0.0  | 855.75 | 26.6 |
| 854.29 | 35.0 | 854.79 | 54.0 | 855.09 | 68.0 | 855.29 | 76.0 |        |      |        |      |        |      |        |      |

## STATION 71+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|-------|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 856.96 | 200.0 | 856.96 | 100.0 | 856.96 | 78.0  | 856.86 | 48.0 | 856.76 | 20.0 | 856.26 | 14.0 | 854.96 | 10.0 | 855.66 | 8.0  |
| 855.76 | 3.0   | 855.76 | 0.0   | 855.66 | 18.0  | 855.36 | 23.0 | 854.76 | 28.0 | 855.76 | 31.0 | 856.06 | 33.0 | 855.16 | 45.0 |
| 855.26 | 67.0  | 856.06 | 100.0 | 858.48 | 200.0 |        |      |        |      |        |      |        |      |        |      |

## STATION 71+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 856.68 | 63.0 | 856.68 | 58.0 | 856.78 | 50.0 | 855.28 | 38.0 | 856.49 | 26.6 | 856.88 | 0.0  | 856.49 | 26.6 | 855.08 | 37.0 |
| 855.28 | 42.0 | 855.18 | 61.0 | 855.18 | 70.0 |        |      |        |      |        |      |        |      |        |      |

## STATION 72+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST |
|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|------|
| 854.36 | 196.0 | 855.36 | 96.0 | 855.76 | 56.0 | 856.46 | 28.0 | 857.26 | 15.0 | 856.26 | 12.0 | 856.96 | 8.0   | 857.06 | 4.0  |
| 857.26 | 0.0   | 857.26 | 16.0 | 856.56 | 24.0 | 857.76 | 29.0 | 858.56 | 63.0 | 860.16 | 94.0 | 865.32 | 194.0 |        |      |

## STATION 72+00 FINAL

| ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 855.58 | 66.0 | 855.88 | 53.0 | 855.98 | 35.0 | 856.97 | 26.6 | 857.36 | 0.0  | 856.97 | 26.6 | 856.08 | 34.0 | 857.38 | 45.0 |
| 858.18 | 52.0 | 858.48 | 62.0 |        |      |        |      |        |      |        |      |        |      |        |      |

## STATION 73+00 ORIGINAL

| ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  |
|--------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|-------|--------|-------|
| 853.69 | 200.0 | 856.36 | 100.0 | 857.16 | 70.0 | 858.36 | 34.0 | 859.36 | 17.0 | 858.56 | 13.0 | 857.66 | 10.0  | 858.56 | 7.0   |
| 858.96 | 3.0   | 858.96 | 0.0   | 858.96 | 17.0 | 858.16 | 27.0 | 859.16 | 31.0 | 859.66 | 62.0 | 860.66 | 100.0 | 863.29 | 200.0 |

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| STATION 73+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 856.68        | 77.0 | 856.98 | 69.0 | 857.69 | 54.0 | 857.28 | 49.0 | 856.38 | 40.0 | 856.38 | 35.0 | 857.67 | 26.6 | 858.06 | 0.0  |
| 857.67        | 26.6 | 857.08 | 35.0 | 859.48 | 56.0 | 859.78 | 70.0 |        |      |        |      |        |      |        |      |

| STATION 74+00 |       | ORIGINAL |       |        |       |        |      |        |      |        |      |        |      |        |      |
|---------------|-------|----------|-------|--------|-------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 860.00        | 175.0 | 860.00   | 75.0  | 860.00 | 65.0  | 861.40 | 27.0 | 861.90 | 24.0 | 862.40 | 16.0 | 859.30 | 9.0  | 859.60 | 6.0  |
| 859.70        | 3.0   | 859.80   | 0.0   | 859.90 | 16.0  | 859.80 | 21.0 | 859.40 | 24.0 | 862.80 | 33.0 | 863.10 | 36.0 | 862.50 | 57.0 |
| 862.40        | 78.0  | 862.40   | 100.0 | 862.40 | 200.0 |        |      |        |      |        |      |        |      |        |      |

| STATION 74+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |        |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST |
| 855.58        | 81.0 | 855.68 | 38.0 | 857.78 | 32.0 | 858.28 | 26.6 | 858.67 | 0.0  | 858.28 | 26.6 | 857.48 | 31.0 | 856.28 | 38.0 |
| 860.18        | 51.0 | 862.58 | 61.0 | 862.38 | 69.0 |        |      |        |      |        |      |        |      |        |      |

| STATION 75+00 |       | ORIGINAL |       |        |      |        |      |        |      |        |       |        |       |        |      |
|---------------|-------|----------|-------|--------|------|--------|------|--------|------|--------|-------|--------|-------|--------|------|
| ELEV          | DIST  | ELEV     | DIST  | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST  | ELEV   | DIST  | ELEV   | DIST |
| 843.72        | 200.0 | 856.80   | 100.0 | 860.20 | 74.0 | 860.70 | 62.0 | 860.80 | 32.0 | 860.40 | 6.0   | 860.60 | 0.0   | 860.10 | 14.0 |
| 860.00        | 18.0  | 859.10   | 19.0  | 859.10 | 21.0 | 864.00 | 32.0 | 863.40 | 61.0 | 862.80 | 100.0 | 861.26 | 200.0 |        |      |

| STATION 75+00 |      | FINAL  |      |        |      |        |      |        |      |        |      |        |      |      |      |
|---------------|------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|------|------|
| ELEV          | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV   | DIST | ELEV | DIST |
| 858.88        | 26.6 | 859.27 | 0.0  | 858.88 | 26.6 | 857.18 | 46.0 | 859.38 | 59.0 | 862.88 | 80.0 | 862.88 | 84.0 |      |      |