

| RTE. | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------|----------------|--------|--------------|-----------|
| CH-5 | 17-00284-00-RS | SHELBY | 65           | 1         |

CONTRACT NO. 95908

**INDEX OF SHEETS**

03/11/2022 LETTING ITEM 125

FOR INDEX OF PLAN SHEETS  
SEE SHEET 3 OF 65 SHEETS

**HIGHWAY STANDARDS**

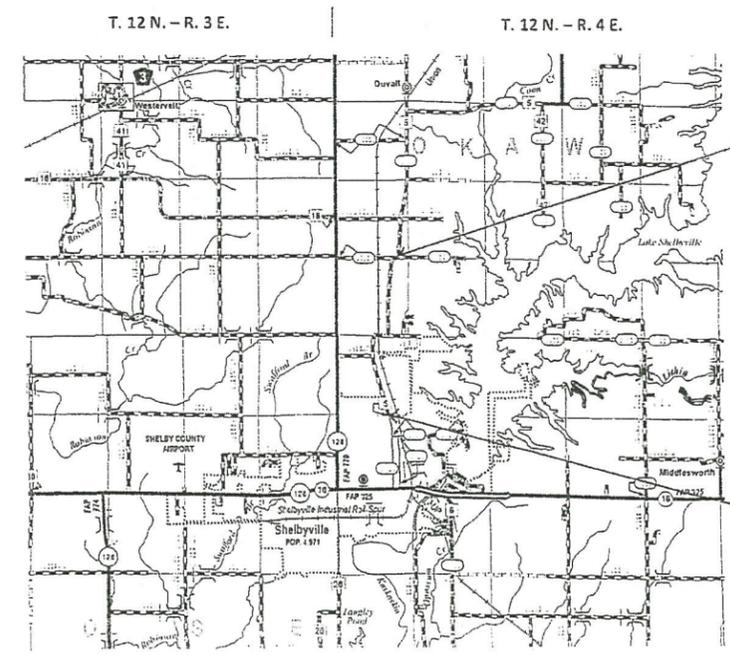
FOR LIST OF HIGHWAY STANDARDS  
SEE SHEET 3 OF 65 SHEETS

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED  
FEDERAL LAND ACCESS PROGRAM  
TRUCK ACCESS ROUTE PROGRAM**

PROJECT N9WG(419)  
SECTION 17-00284-00-RS  
SHELBY COUNTY  
F.A.S. 650A (CH-5)  
JOB NO. C - 97 - 002 - 19



END PROJECT  
STA 147+00

BEGIN PROJECT  
STA 22+25

CURRENT YEAR: 2019  
DESIGN YEAR: 2039  
DESIGN CLASSIFICATION: MAJOR COLLECTOR  
EXISTING ADT: 650  
PROPOSED ADT: 1250  
DESIGN SPEED 50 M.P.H.  
DESIGN CRITERIA: 3R

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123 (TOLL FREE)

CONTRACT NO. 95908

NET LENGTH OF PROJECT  
12,475 FEET = 2.36 MILES



PLANS PREPARED BY:

*S. Alan Spesard*

S. ALAN SPESARD, PE  
ILLINOIS PROFESSIONAL ENGINEER 062-052965  
EXPIRES 11-30-2021

10-28-21

DATE

| ILLINOIS DEPARTMENT OF TRANSPORTATION             |  |
|---|--|
| APPROVED  | 10-28-21<br><i>S. Alan Spesard</i><br>COUNTY ENGINEER                                |
| PASSED  | 11/10/21<br><i>Bill Halls</i><br>DISTRICT SEVEN ENGINEER OF<br>LOCAL ROADS & STREETS |
| Released For<br>Bid Based on<br>Limited Review    | 11/10/21<br><i>Jeffrey Myerson</i><br>REGION FOUR ENGINEER                           |
| STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |  |

| SUMMARY OF QUANTITIES |   |       |          |
|-----------------------|---|-------|----------|
| ITEM #                | ITEM  | UNIT  | QUANTITY |
| 20100500              | TREE REMOVAL, ACRES                                 | ACRE  | 0.4      |
| 20200100              | EARTH EXCAVATION                                    | CU YD | 1408     |
| 20200500              | EARTH EXCAVATION (WIDENING)                         | CU YD | 1136     |
| 20400100              | BORROW EXCAVATION                                   | CU YD | 2107     |
| 20800150              | TRENCH BACKFILL                                     | CU YD | 38       |
| 20900110              | POROUS GRANULAR BACKFILL                            | CU YD | 58       |
| 25000200              | SEEDING, CLASS 2                                    | ACRE  | 7.2      |
| 25000400              | NITROGEN FERTILIZER NUTRIENT                        | POUND | 648      |
| 25000500              | PHOSPHORUS FERTILIZER NUTRIENT                      | POUND | 648      |
| 25000600              | POTASSIUM FERTILIZER NUTRIENT                       | POUND | 648      |
| 25100115              | MULCH, METHOD 2                                     | ACRE  | 7.2      |
| 28000250              | TEMPORARY EROSION CONTROL SEEDING                   | POUND | 1440     |
| 28000305              | TEMPORARY DITCH CHECKS                              | FOOT  | 320      |
| 28000400              | PERIMETER EROSION BARRIER                           | FOOT  | 100      |
| 28000500              | INLET AND PIPE PROTECTION                           | EACH  | 30       |
| 28100205              | STONE RIPRAP, CLASS A3                              | TON   | 40       |
| 35100100              | AGGREGATE BASE COURSE, TYPE A                       | TON   | 2272     |
| 40200800              | AGGREGATE SURFACE COURSE, TYPE B                    | TON   | 170      |
| 40600290              | BITUMINOUS MATERIALS (TACK COAT)                    | POUND | 14249    |
| 40600982              | HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT        | SQ YD | 600      |
| 40602970              | HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70        | TON   | 3103     |
| 40603085              | HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70         | TON   | 4443     |
| 40604052              | HOT-MIX ASPHALT SURFACE COURSE, IL9.5, MIX "C", N70 | TON   | 2660     |
| 40800050              | INCIDENTAL HOT-MIX ASPHALT SURFACING                | TON   | 187      |
| 48100100              | AGGREGATE SHOULDERS, TYPE A                         | TON   | 1589     |
| 48203017              | HOT-MIX ASPHALT SHOULDERS, 5"                       | SQ YD | 178      |
| 50100300              | REMOVAL OF EXISTING STRUCTURES NO. 1                | EACH  | 1        |
| 54001001              | BOX CULVERTS END SECTIONS, CULVERT NO. 1            | EACH  | 2        |
| 54010606              | PRECAST CONCRETE BOX CULVERTS 6' X 6'               | FOOT  | 53       |

△ SPECIALTY ITEMS

|          |  |       |       |
|----------|--|-------|-------|
| 54213669 | PRECAST REINFORCED CONCRETE FLARED END SECTION 24"                         | EACH  | 4     |
| 54214509 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24" | EACH  | 2     |
| 542A0223 | PIPE CULVERTS, CLASS A, TYPE 1 18"   | FOOT  | 36    |
| 542A1069 | PIPE CULVERTS, CLASS A, TYPE 2 24"   | FOOT  | 82.5  |
| 542A5479 | PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24"                  | FOOT  | 60    |
| 542D0217 | PIPE CULVERTS, CLASS D, TYPE 1 12"   | FOOT  | 706   |
| 542D0301 | PIPE CULVERTS, CLASS D, TYPE 1 96"   | FOOT  | 6     |
| 67100100 | MOBILIZATION   | L SUM | 1     |
| 70300100 | SHORT TERM PAVEMENT MARKING  | FOOT  | 3743  |
| 70300150 | SHORT TERM PAVEMENT MARKING REMOVAL  | SQ FT | 412   |
| 78000200 | THERMOPLASTIC PAVEMENT MARKING - LINE 4"                                   | FOOT  | 29936 |
| 78000650 | THERMOPLASTIC PAVEMENT MARKING - LINE 24"                                  | FOOT  | 75    |
| 78100100 | RAISED REFLECTIVE PAVEMENT MARKER  | EACH  | 158   |
| X2810208 | STONE RIPRAP, CLASS A4 (SPECIAL)   | TON   | 30    |
| Z0048665 | RAILROAD PROTECTIVE LIABILITY INSURANCE                                    | L SUM | 1     |
| Z0070200 | SURVEY MONUMENTS   | EACH  | 3     |

△ SPECIALTY ITEMS

| SUMMARY OF QUANTITIES |              |           |
|-----------------------|--------------|-----------|
| SCALE:                | APPROVED BY: | DRAWN BY: |
| DATE:                 | REVISED:     |           |

**GENERAL NOTES**

Wherever in the plans or specifications the term standard specifications is used, it shall be understood by the contractor to mean the Standard Specifications for Road and Bridge Constructions as prepared by the Department of Transportation of the State of Illinois and adopted January 1, 2022.

All elevations shown are in reference to a U.S.G.S. Datum

Except where designated otherwise, the locations and /or depths of underground utilities shown have been taken from information furnished by the utility owners & must be considered approximate. The contractor shall be responsible for locating all underground utilities. Contact J.U.L.I.E., Phone 800-892-0123, and all utility companies prior to digging.

The Contractor shall notify all utility companies 48 hours prior to excavation operations.

The Contractor shall notify the Shelby County Highway Department 72 hours in advance of construction work.

Utility companies may be adjusting their facilities at the time of construction of this project. The Contractor shall cooperate with these organizations while they perform their work.

Grading shall be done by hand around light poles, utility poles, sign posts, shrubs, trees or other natural or manmade objects where shallow fills or cuts are adjacent to these items. It is the intent that the limits of construction be such to preserve in the original state as much area of temporary easement as possible. The decision to items to remain in place shall be directed by the Engineer. This work will not be paid for separately, and no additional compensation will be allowed.

Earth stock piles shall be temporarily seeded if they are to remain unused for more than 14 days.

Temporary erosion control measures are to be implemented as directed by the engineer.

Seeding shall be done on all areas that are disturbed by construction operations as directed by the engineer. Seeding shall be paid for only within the proposed Right-Of-Way or easement limits. All areas disturbed by the Contractor outside the proposed construction limit shall be seeded as directed by the engineer, at the Contractors expense.

All street returns shall have radii measured to the edge of the pavement unless others wise noted on the plans.

**Rates of Applications**

|                                 |                     |
|---------------------------------|---------------------|
| Nitrogen Fertilizer Nutrients   | 90 lbs. / Acre      |
| Phosphorus Fertilizer Nutrients | 90 lbs. / Acre      |
| Potassium Fertilizer Nutrients  | 90 lbs. / Acre      |
| Mulch Method 2                  | 2.0 Tons / Acre     |
| Temporary Seed Mix              | 200 lbs. / Acre     |
| Aggregate Base Course Type A    | 2.05 Tons / Cu. Yd. |

**INDEX OF STANDARDS**

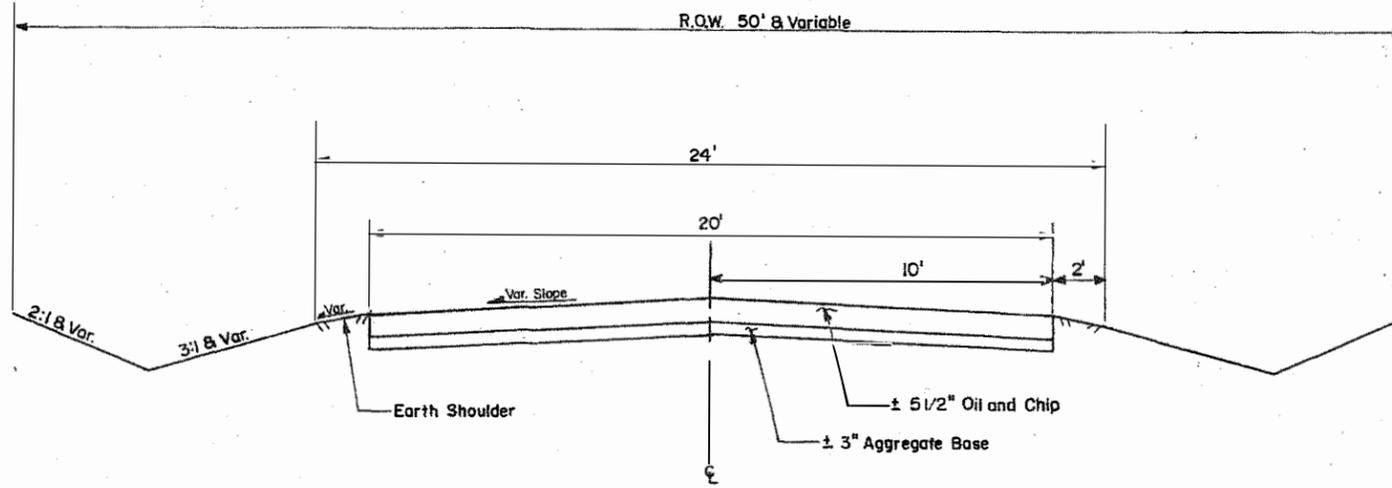
| STANDARD # | STANDARD NAME   |
|------------|---|
| 000001-08  | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS  |
| 280001-07  | TEMPORAY EROSION CONTROL SYSTEMS  |
| 542301-03  | PRECAST REINFORCED CONCRETE FLARED END SECTION  |
| 666001-01  | RIGHT OF WAY MARKERS  |
| 701201-05  | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH                                     |
| 701301-04  | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS   |
| 701306-04  | LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONL, FOR SPEEDS ≥ 45 MPH               |
| 701311-03  | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY                                      |
| 701901-08  | TRAFFIC CONTROL DEVICES   |
| 780001-05  | TYPICAL PAVEMENT MARKINGS   |
| 781001-04  | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS                                 |
| B.L.R.21-9 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |

**INDEX OF PLAN SHEETS**

| SHEET #  | PLAN SHEET TYPE                |
|----------|--------------------------------|
| 1        | COVER SHEET                    |
| 2        | SUMMARY OF QUANTITIES          |
| 3        | GENERAL NOTES, STANDARDS       |
| 4        | TYPICAL SECTIONS, HMA SCHEDULE |
| 5        | TAPER AND BUTT JOINT DETAILS   |
| 6        | ENTRANCE DETAILS               |
| 7        | PRECAST CONCRETE BOX CULVERT   |
| 8        | SCHEDULE OF QUANTITIES         |
| 9        | PAVEMENT MARKING TABLES        |
| 10       | SURVEY MONUMENTS               |
| 11 to 32 | PLAN & PROFILE SHEETS          |
| 33 to 65 | CROSS SECTIONS                 |

**GENERAL NOTES, STANDARDS**

|        |              |           |
|--------|--------------|-----------|
| SCALE: | APPROVED BY: | DRAWN BY: |
| DATE:  |              | REVISED:  |

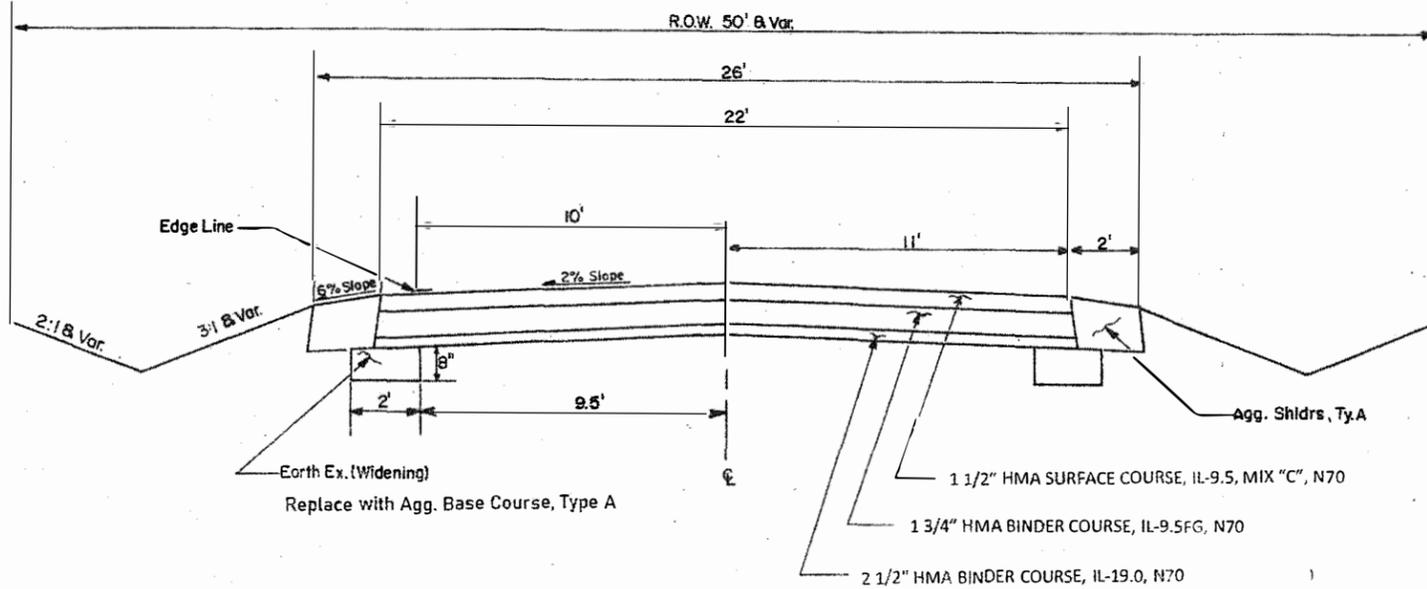


EXISTING TYPICAL SECTION

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

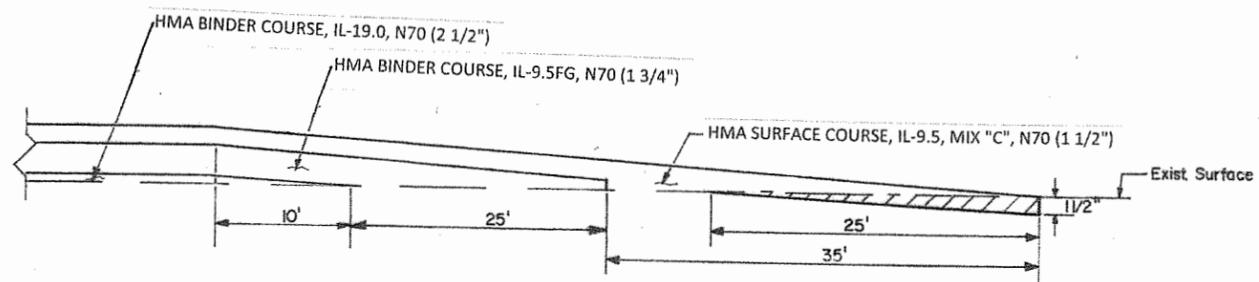
| LOCATION(S) | MIXTURE USE(S)                                    | PG       | DESIGN AIR Voids | MIXTURE COMPOSITION | FRICTION AGGREGATE | MIXTURE WEIGHT | QUALITY MANAGEMENT PROGRAM | SUBLOT SIZE | MATERIAL TRANSFER DEVICE (REQUIRED?) |
|-------------|---|----------|------------------|---------------------|--------------------|----------------|----------------------------|-------------|--------------------------------------|
| MAINLINE    | HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (1 1/2") | PG 64-22 | 4.0% @ N=70      | IL-9.5              | MIXTURE C          | N70            | QC/QA                      | N/A         | N/A                                  |
| MAINLINE    | HMA BINDER COURSE, IL-9.5FG, N70 (1 3/4")         | PG 64-22 | 4.0% @ N=70      | IL-9.5FG            | N/A                | N70            | QC/QA                      | N/A         | N/A                                  |
| MAINLINE    | HMA BINDER COURSE, IL-19.0, N70 (2 1/2")          | PG 64-22 | 4.0% @ N=70      | IL-19.0             | N/A                | N70            | QC/QA                      | N/A         | N/A                                  |

ROUTE: CH-5  
SECTION: 17-00284-00-RS  
COUNTY: SHELBY  
CONTRACT NO: 95908  
JOB NO: C-97-002-129  
DESIGNER: SHELBY COUNTY HIGHWAY DEPT.

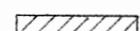


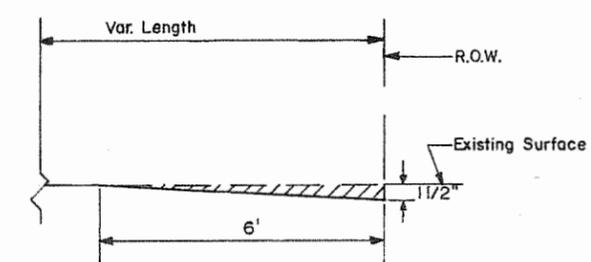
PROPOSED TYPICAL SECTION

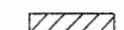
| TYPICAL SECTIONS |              |           |
|------------------|--------------|-----------|
| SCALE: N/A       | APPROVED BY: | DRAWN BY: |
| DATE:            |              | REVISED:  |
| DRAWING NUMBER:  |              |           |



PROPOSED BUTT JOINT

 Milled Area  
"0" to 1 1/2" Depth



 Milled Area  
"0" to 1 1/2" Depth

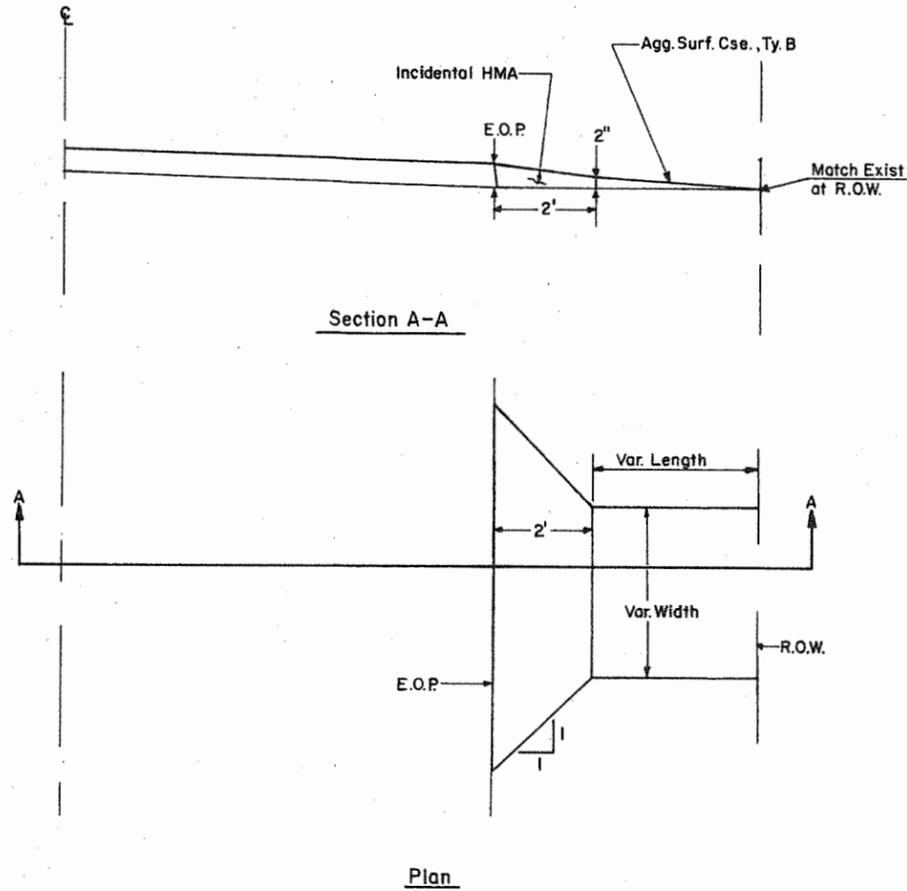
PROPOSED ENTRANCE BUTT JOINT

| HMA Entrances |     |       |        |                  |                                     |
|---------------|-----|-------|--------|------------------|-------------------------------------|
| Station       | O/S | Width | Length | HMA Surf. (Tons) | HMA Surf. Rem. Butt Joint (Sq. Yd.) |
| 44+64         | RT  | 16'   | 14'    | 6                | 10.7                                |
| 45+28         | LT  | 20'   | 14'    | 8                | 13.3                                |
| 47+30         | RT  | 20'   | 14'    | 8                | 13.3                                |
| 49+47         | LT  | 16'   | 14'    | 6                | 10.7                                |
| 50+83         | LT  | 24'   | 14'    | 9                | 16.0                                |
| 62+34         | RT  | 26'   | 14'    | 9                | 17.3                                |
| 73+03         | LT  | 24'   | 14'    | 9                | 16.0                                |
| Total         |     |       |        | 55 Tons          | 97.3 Sq. Yd.                        |

| Hot-Mix Asphalt Surface Removal - Butt Joint |                    |
|--|--------------------|
| Location                                     | Quantity (Sq. Yd.) |
| Station 22+25                                | 61.0               |
| Station 23+33                                | 83.3               |
| Station 23+93                                | 79.2               |
| Station 65+80                                | 76.4               |
| Station 88+90                                | 41.7               |
| Station 141+58                               | 47.2               |
| Station 146+03                               | 55.6               |
| Station 147+00                               | 58.3               |
| Total  | 502.7              |

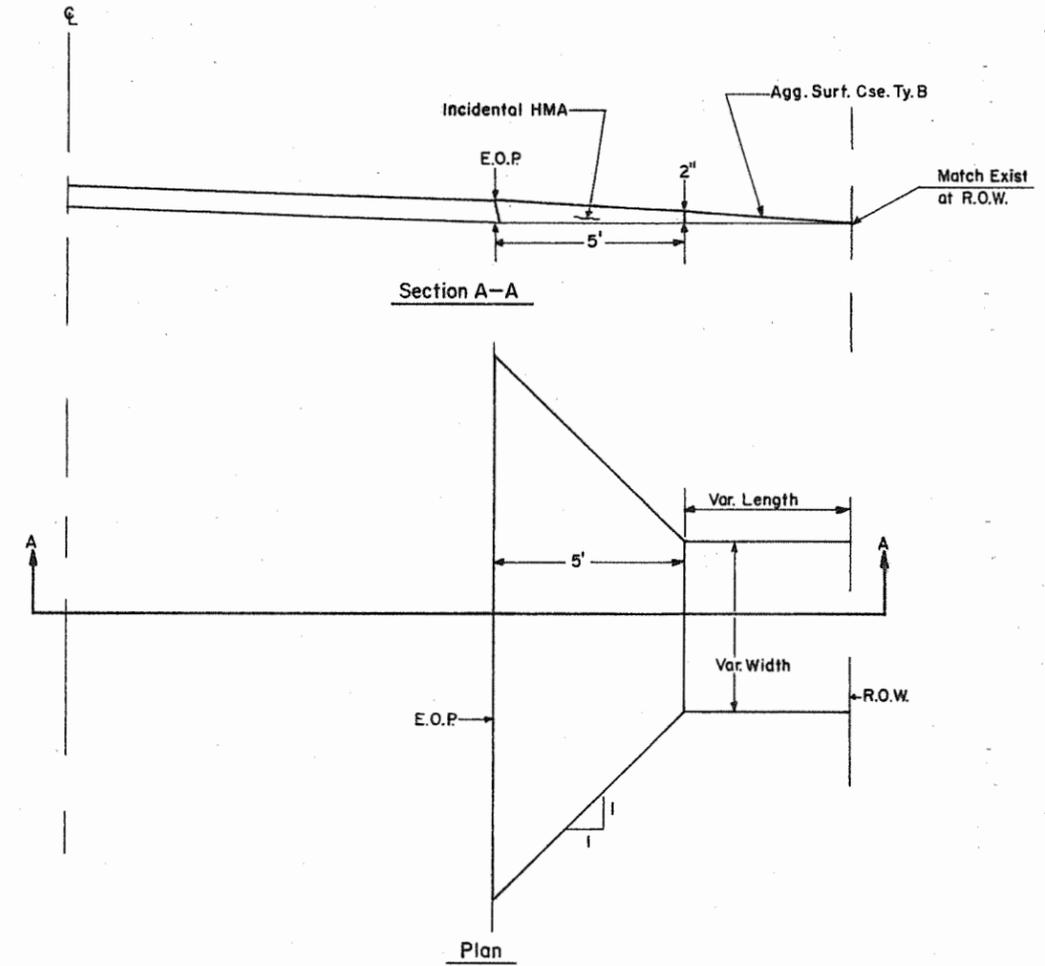
| TAPER AND BUTT JOINT DETAILS |              |           |
|------------------------------|--------------|-----------|
| SCALE:                       | APPROVED BY: | DRAWN BY: |
| DATE:                        | REVISION:    | REVISION: |
| DRAWING NUMBER               |              |           |

TYPICAL FIELD ENTRANCE



| Field Entrance 2' Wedge |     |       |                  |                              |
|-------------------------|-----|-------|------------------|------------------------------|
| Station                 | O/S | Width | HMA Surf. (Tons) | Agg. Surf. Cse. Ty. B (Tons) |
| 33+12                   | LT  | 20    | 2                | 3.0                          |
| 33+78                   | LT  | 24    | 2                | 3.6                          |
| 50+35                   | LT  | 20    | 2                | 3.0                          |
| 54+10                   | RT  | 24    | 2                | 3.6                          |
| 72+46                   | RT  | 26    | 2                | 4.0                          |
| 74+57                   | RT  | 20    | 2                | 6.8                          |
| 74+77                   | LT  | 16    | 1                | 6.4                          |
| 80+70                   | RT  | 26    | 2                | 4.0                          |
| 82+20                   | LT  | 26    | 2                | 4.0                          |
| 82+90                   | LT  | 24    | 2                | 3.6                          |
| 85+00                   | LT  | 62    | 4                | 9.4                          |
| 86+58                   | LT  | 54    | 3                | 8.2                          |
| 86+58                   | RT  | 38    | 2                | 5.8                          |
| 115+48                  | RT  | 36    | 2                | 5.4                          |
| 119+55                  | LT  | 20    | 2                | 3.0                          |
| 125+28                  | LT  | 28    | 2                | 4.2                          |
| 129+48                  | RT  | 16    | 1                | 2.4                          |
| 133+05                  | RT  | 20    | 2                | 3.0                          |
| 141+08                  | LT  | 26    | 2                | 4.0                          |
| Total                   |     |       | 39 Tons          | 87.4 Tons                    |

TYPICAL PRIVATE ENTRANCE



| P.E. 5' Wedge |     |       |                  |                              |         |     |       |                  |                              |
|---------------|-----|-------|------------------|------------------------------|---------|-----|-------|------------------|------------------------------|
| Station       | O/S | Width | HMA Surf. (Tons) | Agg. Surf. Cse. Ty. B (Tons) | Station | O/S | Width | HMA Surf. (Tons) | Agg. Surf. Cse. Ty. B (Tons) |
| 25+45         | RT  | 42'   | 6                | 6.4                          | 65+92   | RT  | 18'   | 3                | 2.8                          |
| 32+03         | LT  | 46'   | 7                | 7.0                          | 66+42   | RT  | 18'   | 3                | 2.8                          |
| 37+92         | LT  | 22'   | 4                | 3.4                          | 68+62   | RT  | 24'   | 4                | 3.6                          |
| 40+48         | RT  | 26'   | 4                | 4.0                          | 78+68   | LT  | 24'   | 4                | 3.6                          |
| 43+23         | LT  | 22'   | 4                | 3.4                          | 108+38  | RT  | 16'   | 3                | 2.4                          |
| 43+33         | RT  | 20'   | 4                | 3.0                          | 109+75  | RT  | 18'   | 3                | 2.8                          |
| 48+24         | RT  | 18'   | 3                | 2.8                          | 109+99  | RT  | 16'   | 3                | 2.4                          |
| 50+52         | RT  | 24'   | 4                | 3.6                          | 120+20  | RT  | 16'   | 3                | 2.4                          |
| 53+72         | LT  | 20'   | 4                | 3.0                          | 121+45  | RT  | 26'   | 4                | 4.0                          |
| 54+44         | RT  | 18'   | 3                | 2.8                          | 122+97  | RT  | 26'   | 4                | 4.0                          |
| 56+93         | RT  | 24'   | 4                | 3.6                          | 128+81  | RT  | 18'   | 3                | 2.8                          |
| 58+16         | RT  | 16'   | 3                | 2.4                          | 141+58  | LT  | 18'   | 3                | 1.6                          |
| 62+07         | LT  | 18'   | 3                | 2.4                          | Total   |     |       | 93 Tons          | 83 Tons                      |

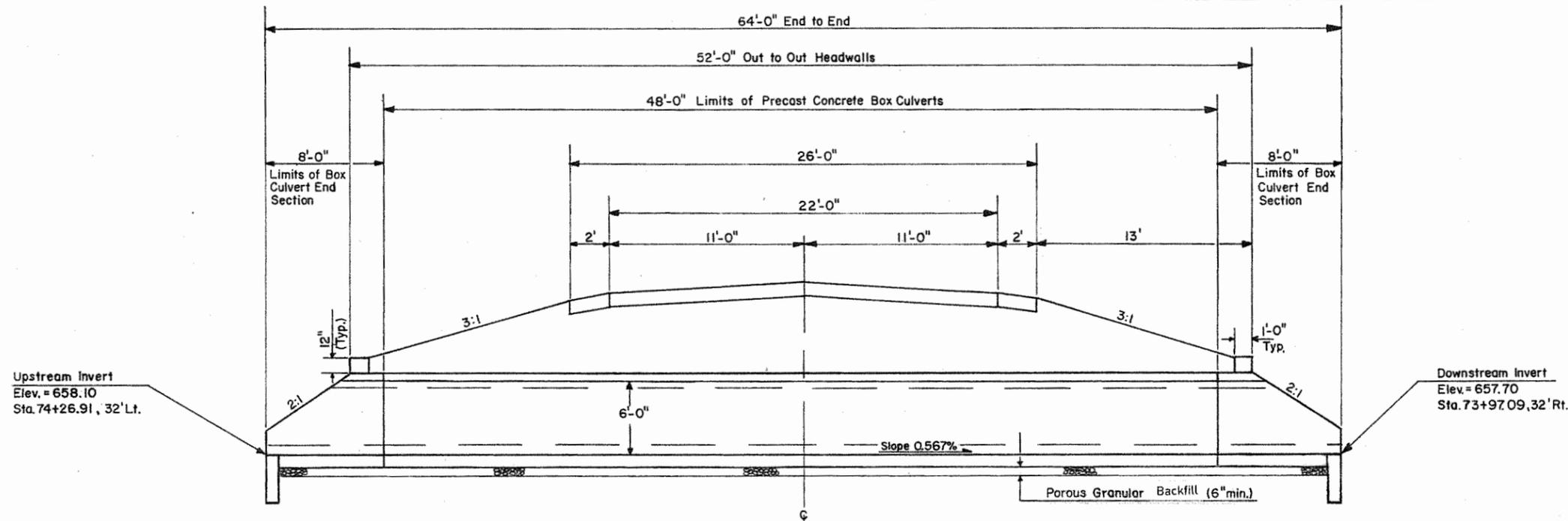
ENTRANCE DETAILS

|            |              |                 |
|------------|--------------|-----------------|
| SCALE: N/A | APPROVED BY: | DRAWN BY:       |
| DATE:      |              | REVISED:        |
|            |              | DRAWING NUMBER: |

NOTE: Precast Box Culvert Shall Conform With ASTM C1577

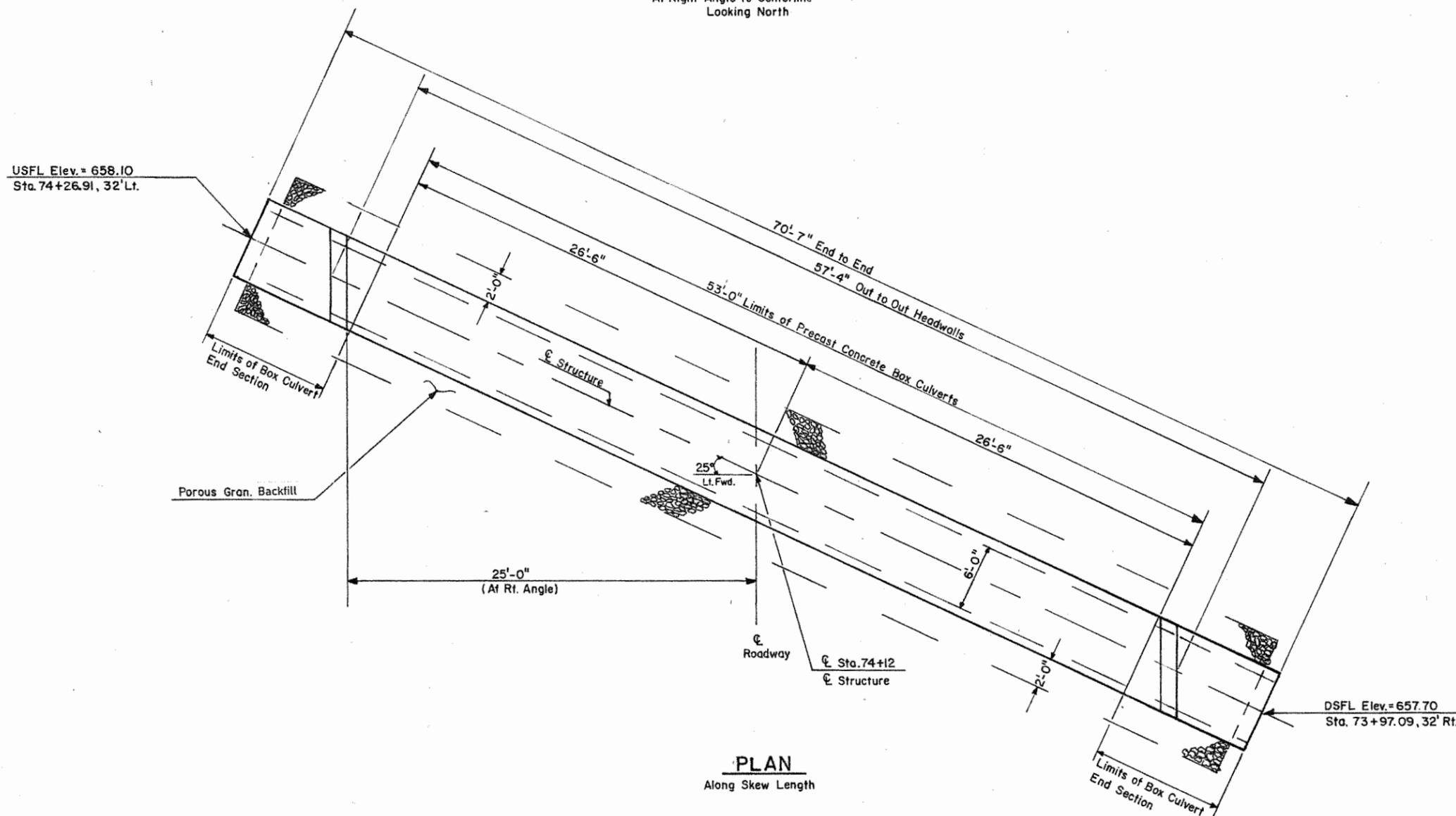
**BILL OF MATERIALS**

| ITEM                        | QUANTITY  |
|-----------------------------|-----------|
| Precast Box Culvert 6' x 6' | 53 Feet   |
| Box Culvert End Sections    | 2 Each    |
| Porous Granular Backfill    | 58 Cu.Yd. |



**LONGITUDINAL SECTION**

At Right Angle to Centerline  
Looking North



**PLAN**

Along Skew Length

**PRECAST CONCRETE BOX CULVERT**

|                |          |
|----------------|----------|
| SCALE: N/A     | DRAWN BY |
| DATE:          | REVISED  |
| DRAWING NUMBER |          |

| Widening               |                   |                     |                      |
|------------------------|-------------------|---------------------|----------------------|
| South Bound Lane       |                   | Earth Ex (Widening) | Agg. Base Cse., Ty A |
| Location               | O/S Left          | CY                  | Tons                 |
| 22+25 - 23+80          | 9 1/2' to 11 1/2' | 7.7                 | 15.4                 |
| 24+30 - 39+00          | 9 1/2' to 11 1/2' | 73.0                | 146.0                |
| 50+00 - 63+00          | 8' to 11 1/2'     | 112.9               | 225.8                |
| 63+00 - 65+50          | 6 1/2' to 11 1/2' | 31.0                | 62.0                 |
| 72+25 - 74+00          | 7 1/2' to 11 1/2' | 17.4                | 34.8                 |
| 74+00 - 78+00          | 9 1/2' to 11 1/2' | 19.9                | 39.8                 |
| 78+00 - 80+00          | 9' to 13 1/2'     | 22.3                | 44.6                 |
| 82+65 - 131+00         | 9 1/2' to 11 1/2' | 240.0               | 480.0                |
| 135+50 - 141+30        | 9 1/2' to 11 1/2' | 28.8                | 57.6                 |
| 141+58 50' Lt - 142+10 | 8 1/2' to 11 1/2' | 10.1                | 20.2                 |
| North Bound Lane       |                   |                     |                      |
| Location               | O/S Right         | CY                  | Tons                 |
| 23+80 - 27+00          | 9 1/2' to 11 1/2' | 15.9                | 31.8                 |
| 30+00 - 39+00          | 9 1/2' to 11 1/2' | 44.7                | 89.4                 |
| 39+00 - 49+00          | 7 1/2' to 11 1/2' | 99.3                | 198.6                |
| 49+00 - 51+00          | 9 1/2' to 11 1/2' | 9.9                 | 19.8                 |
| 61+75 - 62+75          | 9 1/2' to 11 1/2' | 5.0                 | 10.0                 |
| 65+00 - 72+50          | 7 1/2' to 11 1/2' | 74.4                | 148.8                |
| 72+50 - 75+50          | 8 1/2' to 11 1/2' | 22.3                | 44.6                 |
| 75+50 - 78+25          | 9 1/2' to 11 1/2' | 13.6                | 27.2                 |
| 82+00 - 86+00          | 9 1/2' to 11 1/2' | 19.9                | 39.8                 |
| 88+00 - 88+90 50' Rt   | 9 1/2' to 11 1/2' | 6.9                 | 13.8                 |
| 89+00 - 89+75          | 7 1/2' to 11 1/2' | 7.4                 | 14.8                 |
| 89+75 - 120+50         | 9 1/2' to 11 1/2' | 152.6               | 305.2                |
| 120+50 - 122+50        | 8 1/2' to 11 1/2' | 15.1                | 30.2                 |
| 122+50 - 124+50        | 9 1/2' to 11 1/2' | 9.9                 | 19.8                 |
| 129+00 - 137+00        | 9 1/2' to 11 1/2' | 40.3                | 80.6                 |
| 139+50 - 141+25        | 9 1/2' to 11 1/2' | 8.7                 | 17.4                 |
| 142+00 - 10+60         | 9 1/2' to 11 1/2' | 22.8                | 45.6                 |
| 146+15 - 147+00        | 9 1/2' to 11 1/2' | 4.2                 | 8.4                  |
| <b>Total</b>           |                   | <b>1136</b>         | <b>2272</b>          |

| Pipe Culvert Schedules |        |                             |                             |                                  |                             |                             |                                |
|------------------------|--------|-----------------------------|-----------------------------|----------------------------------|-----------------------------|-----------------------------|--------------------------------|
| Station                | O/S    | CL D, TY 1<br>12"<br>(FOOT) | CL A, TY 1<br>18"<br>(FOOT) | CL A, TY 1<br>EQRS 24"<br>(FOOT) | CL A, TY 2<br>24"<br>(FOOT) | CL D, TY 1<br>96"<br>(FOOT) | Inlet & Pipe Protection (EACH) |
| 71+11                  | AR     |                             |                             |                                  | 45                          |                             | 1                              |
| 85+51                  | AR     |                             | 36                          |                                  |                             |                             | 1                              |
| 121+03                 | AR     |                             |                             |                                  |                             | 6                           | 1                              |
| 131+54                 | AR     |                             |                             |                                  | 37.5                        |                             | 1                              |
| 146+22                 | AR     |                             |                             | 60                               |                             |                             | 1                              |
| 25+45                  | 16' RT | 50                          |                             |                                  |                             |                             | 1                              |
| 33+12                  | 17' LT | 30                          |                             |                                  |                             |                             | 1                              |
| 33+78                  | 19' LT | 32                          |                             |                                  |                             |                             | 1                              |
| 40+48                  | 17' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 43+33                  | 17' RT | 28                          |                             |                                  |                             |                             | 1                              |
| 48+24                  | 16' RT | 22                          |                             |                                  |                             |                             | 1                              |
| 49+47                  | 18' LT | 32                          |                             |                                  |                             |                             | 1                              |
| 50+35                  | 18' LT | 20                          |                             |                                  |                             |                             | 1                              |
| 54+10                  | 17' RT | 34                          |                             |                                  |                             |                             | 1                              |
| 54+54                  | 18' RT | 22                          |                             |                                  |                             |                             | 1                              |
| 58+16                  | 20' RT | 22                          |                             |                                  |                             |                             | 1                              |
| 62+07                  | 23' LT | 30                          |                             |                                  |                             |                             | 1                              |
| 62+34                  | 20' RT | 32                          |                             |                                  |                             |                             | 1                              |
| 65+92                  | 19' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 66+42                  | 18' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 68+62                  | 18' RT | 30                          |                             |                                  |                             |                             | 1                              |
| 85+00                  | 21' RT | 76                          |                             |                                  |                             |                             | 1                              |
| 108+38                 | 16' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 115+48                 | 20' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 120+20                 | 20' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 121+45                 | 20' RT | 30                          |                             |                                  |                             |                             | 1                              |
| 125+28                 | 17' LT | 30                          |                             |                                  |                             |                             | 1                              |
| 129+48                 | 19' RT | 16                          |                             |                                  |                             |                             | 1                              |
| 133+05                 | 18' RT | 20                          |                             |                                  |                             |                             | 1                              |
| 141+08                 | 18' LT | 30                          |                             |                                  |                             |                             | 1                              |
| <b>Total</b>           |        | <b>706</b>                  | <b>36</b>                   | <b>60</b>                        | <b>82.5</b>                 | <b>6</b>                    | <b>30</b>                      |

| TREE REMOVAL, ACRES<br>(Center Line to Proposed R.O.W.) |            |
|---|------------|
| Location  | ACRE       |
| Rt., Sta. 70+50 to Sta. 71+75                           | 0.12       |
| Lt., Sta. 73+54 to Sta. 75+00                           | 0.14       |
| Rt., Sta. 73+54 to Sta. 75+01                           | 0.14       |
| <b>Total</b>  | <b>0.4</b> |

| Trench Backfill |           |
|-----------------|-----------|
| Location        | Cu. Yd.   |
| Sta. 71+11      | 19.4      |
| Sta. 85+51      | 5.1       |
| Sta. 131+54     | 11.1      |
| Sta. 146+26     | 2.4       |
| <b>Total</b>    | <b>38</b> |

| Temporary Ditch Checks |     |             |
|------------------------|-----|-------------|
| Station                | O/S | Quantity    |
| 25+50                  | LT  | 8'          |
| 28+00                  | RT  | 8'          |
| 34+50                  | LT  | 8'          |
| 34+50                  | RT  | 8'          |
| 40+00                  | LT  | 8'          |
| 40+00                  | RT  | 8'          |
| 55+00                  | LT  | 8'          |
| 55+00                  | RT  | 8'          |
| 61+00                  | LT  | 8'          |
| 61+00                  | RT  | 8'          |
| 64+50                  | LT  | 8'          |
| 68+50                  | RT  | 8'          |
| 71+00                  | LT  | 8'          |
| 71+00                  | RT  | 8'          |
| 74+75                  | LT  | 8'          |
| 74+75                  | RT  | 8'          |
| 81+50                  | LT  | 8'          |
| 81+50                  | RT  | 8'          |
| 91+00                  | LT  | 8'          |
| 91+00                  | RT  | 8'          |
| 95+00                  | LT  | 8'          |
| 95+00                  | RT  | 8'          |
| 100+00                 | LT  | 8'          |
| 100+00                 | RT  | 8'          |
| 104+00                 | LT  | 8'          |
| 104+00                 | RT  | 8'          |
| 107+00                 | LT  | 8'          |
| 107+00                 | RT  | 8'          |
| 112+00                 | LT  | 8'          |
| 112+00                 | RT  | 8'          |
| 116+00                 | LT  | 8'          |
| 116+00                 | RT  | 8'          |
| 122+00                 | LT  | 8'          |
| 122+00                 | RT  | 8'          |
| 128+00                 | LT  | 8'          |
| 128+00                 | RT  | 8'          |
| 136+00                 | LT  | 8'          |
| 136+00                 | RT  | 8'          |
| 145+00                 | LT  | 8'          |
| 145+00                 | RT  | 8'          |
| <b>Total</b>           |     | <b>320'</b> |

| Earthwork Schedule        |                            |   |                      |  |
|---------------------------|----------------------------|---|----------------------|--|
| Location                  | Earth Excavation (Cu. Yd.) | Earth Ex. Adjusted For Shrinkage* (Cu. Yd.) | Embankment (Cu. Yd.) | Earthwork Balance Waste (+) Shortage (-) (Cu. Yd.) |
| Sta. 22+25 to Sta. 147+00 | 1408                       | 1056  | 3163                 | -2107  |
| <b>Total</b>              | <b>1408</b>                | <b>1056</b>                                 | <b>3163</b>          | <b>-2107</b>                                       |

\*25% Shrinkage

| Precast Concrete End Flared End Sections |        |          |          |
|--|--------|----------|----------|
| Location                                 | O/S    | 24"      | EQRS 24" |
| 71+04                                    | 23' Lt | 1        |          |
| 71+23                                    | 33' Rt | 1        |          |
| 131+37                                   | 23' Rt | 1        |          |
| 131+71                                   | 20' Lt | 1        |          |
| 146+26                                   | 40' Lt |          | 1        |
| 146+26                                   | 36' Rt |          | 1        |
| <b>Total</b>                             |        | <b>4</b> | <b>2</b> |

Proposed Survey Vaults for County Club Road C.H. #5 - Phase 1

- 1) C.H.#5, Sta. 88+87.81 / 4.99' Rt - SE Corner, SW1/4, SE1/4, 31-12N-4E
- 2) T.R. 1500 North, Sta. 0+06.77 / 4.98' Rt - NE Corner, NW1/4, NE1/4, 6-11N-4E
- 3) C.H.#5, Sta. 115+33.79 / 5.58' Lt - NE Corner, NW1/4, SE1/4, 31-12N-4E

| Seeding / Fertilizer / Mulch |                 |                |                |                |                 |
|------------------------------|-----------------|----------------|----------------|----------------|-----------------|
| Location                     | Seeding         | Nitrogen       | Phosphorus     | Potassium      | Mulch           |
|                              |                 | Fertilizer     | Fertilizer     | Fertilizer     |                 |
| Sta. 22+25 to Sta. 147+00    | 7.2 Acre        | 648 lbs        | 648 lbs        | 648 lbs        | 7.2 Acre        |
| <b>Total</b>                 | <b>7.2 Acre</b> | <b>648 lbs</b> | <b>648 lbs</b> | <b>648 lbs</b> | <b>7.2 Acre</b> |

| Hot-Mix Asphalt Shoulder, 5" |     |                  |
|------------------------------|-----|------------------|
| Location                     | O/S | Quantity         |
| 78+00 to 80+00               | Lt  | 89 sq yd         |
| 78+00 to 80+00               | Rt  | 89 sq yd         |
| <b>Total</b>                 |     | <b>178 sq yd</b> |

TABLES

|        |              |           |
|--------|--------------|-----------|
| SCALE: | APPROVED BY: | DRAWN BY: |
| DATE:  |              | REVISED:  |

| Short Term Pavement Marking and Removal |                  |                 |
|---|------------------|-----------------|
| Location                                | Pavement Marking | Marking Removal |
| 22+25 - 147+00                          | 3743 Feet        | 412 Sq. Ft.     |

| HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (1 1/2") SCHEDULE |         |        |
|--|---------|--------|
| STATION  | OFFSET  | TONS   |
| 22+25 TO 147+00 (MAINLINE)                                 | LT & RT | 2561.5 |
| 23+50 (SIDEROAD)   | RT      | 19.2   |
| 24+00 (SIDEROAD)   | LT      | 14.5   |
| 65+75 (SIDEROAD)   | LT      | 13     |
| 88+90 (SIDEROAD)   | RT      | 7.6    |
| 89+10 (RADIUS)   | LT      | 9.8    |
| 141+58 (SIDEROAD)  | LT      | 6.7    |
| 141+60 (RADIUS)  | RT      | 7      |
| 146+03 (SIDEROAD)  | RT      | 17.8   |
| 146+26 (RADIUS)  | LT      | 2.9    |
|  | TOTAL   | 2660   |

| Thermoplastic Pavement Marking - Line 4" |     |        |               |          |
|--|-----|--------|---------------|----------|
| Location                                 | O/S | Color  | Type          | Quantity |
| 22+25 - 71+00                            | --- | Yellow | Skip Dash     | 1219'    |
| 71+00 - 81+00                            | --- | Yellow | Double Yellow | 2000'    |
| 81+00 - 141+10                           | --- | Yellow | Skip Dash     | 1503'    |
| 141+58 50' Lt - 146+03 100' Rt           | --- | Yellow | Skip Dash     | 149'     |
| 146+40 - 147+00                          | --- | Yellow | Skip Dash     | 15'      |
| 22+25 - 23+40                            | Lt  | White  | Solid Line    | 115'     |
| 24+55 - 65+40                            | Lt  | White  | Solid Line    | 4085'    |
| 66+30 - 141+58 50' Lt                    | Lt  | White  | Solid Line    | 7578'    |
| 141+58 50' Lt - 147+00                   | Lt  | White  | Solid Line    | 592'     |
| 22+25 - 22+85                            | Rt  | White  | Solid Line    | 60'      |
| 23+80 - 88+89 50' Rt                     | Rt  | White  | Solid Line    | 6559'    |
| 88+89 50' Rt - 146+03 100' Rt            | Rt  | White  | Solid Line    | 5864'    |
| 146+03 100' Rt - 147+00                  | Rt  | White  | Solid Line    | 197'     |
|  |     |        | Total         | 29936'   |

| HMA BINDER COURSE, IL-9.5FG, N70 (1 3/4") SCHEDULE |         |        |
|--|---------|--------|
| STATION  | OFFSET  | TONS   |
| 22+25 TO 147+00 (MAINLINE)                         | LT & RT | 2988.5 |
| 23+50 (SIDEROAD)                                   | RT      | 22.4   |
| 24+00 (SIDEROAD)                                   | LT      | 16.9   |
| 65+75 (SIDEROAD)                                   | LT      | 15     |
| 88+90 (SIDEROAD)                                   | RT      | 8.9    |
| 89+10 (RADIUS)                                     | LT      | 11.4   |
| 141+58 (SIDEROAD)                                  | LT      | 7.5    |
| 141+60 (RADIUS)                                    | RT      | 8.2    |
| 146+03 (SIDEROAD)                                  | RT      | 20.8   |
| 146+26 (RADIUS)                                    | LT      | 3.4    |
|  | TOTAL   | 3103   |

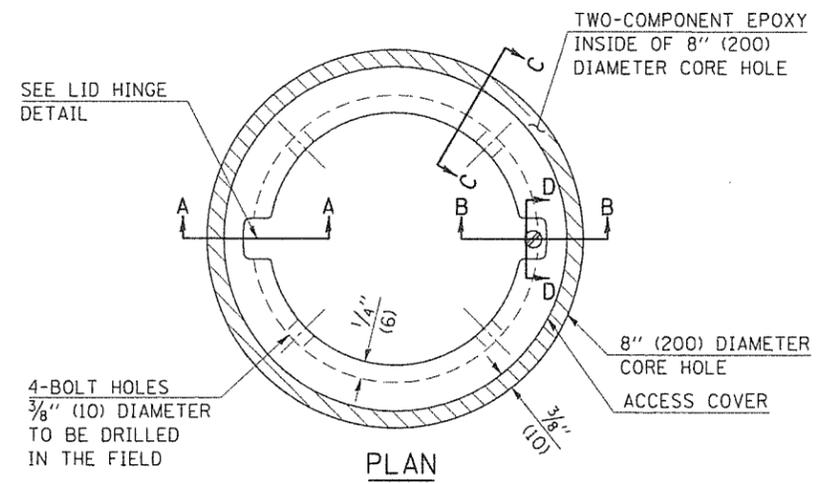
| Thermoplastic Pavement Marking Line - 24" |             |          |
|---|-------------|----------|
| Location                                  | O/S         | Quantity |
| 23+88 - 24+00                             | 30' Lt      | 12'      |
| 23+20 - 23+30                             | 30' Rt      | 12'      |
| 65+69 - 65+80                             | 35' Lt      | 11'      |
| 88+90 - 88+98                             | 32' Rt      | 8'       |
| 141+06                                    | 0' - 10' Rt | 10'      |
| 141+48 - 141+58                           | 26' Lt      | 10'      |
| 146+38                                    | 0' - 10' Lt | 12'      |
|   | Total       | 75'      |

| HMA BINDER COURSE, IL-19.0, N70 (2 1/2") SCHEDULE |         |        |
|---|---------|--------|
| STATION   | OFFSET  | TONS   |
| 22+25 TO 147+00 (MAINLINE)                        | LT & RT | 4269.3 |
| 23+50 (SIDEROAD)                                  | RT      | 32     |
| 24+00 (SIDEROAD)                                  | LT      | 23.1   |
| 65+75 (SIDEROAD)                                  | LT      | 20.4   |
| 88+90 (SIDEROAD)                                  | RT      | 20.7   |
| 89+10 (RADIUS)                                    | LT      | 15.3   |
| 141+58 (SIDEROAD)                                 | LT      | 19.7   |
| 141+60 (RADIUS)                                   | RT      | 10.7   |
| 146+03 (SIDEROAD)                                 | RT      | 27.8   |
| 146+26 (RADIUS)                                   | LT      | 4      |
|   | TOTAL   | 4443   |

| Raised Reflective Pavement Marker |                 |     |
|-----------------------------------|-----------------|-----|
| Location                          | Quantity (Each) |     |
| 22+25 - 78+30                     | 70              |     |
| 78+30 - 79+90                     | 4               |     |
| 79+90 - 147+00                    | 84              |     |
|                                   | Total           | 158 |

TABLES CONT.

|        |              |                |
|--------|--------------|----------------|
| SCALE: | APPROVED BY: | DRAWN BY:      |
| DATE:  | REVISER:     |                |
|        |              | DRAWING NUMBER |



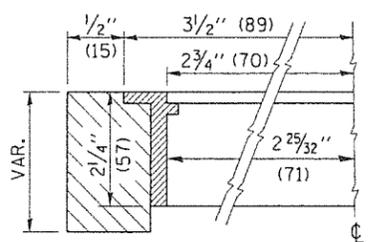
**LEGEND**

- ALUMINUM CASTING  
 - 5" (125) OR 6" (150) P.V.C. PIPE  
 - TWO-COMPONENT EPOXY

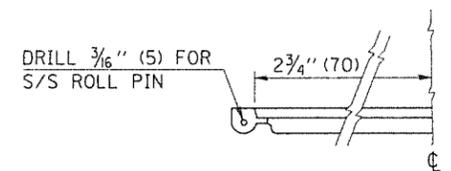
T = THICKNESS OF PAVEMENT STRUCTURE  
 H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

**BILL OF MATERIAL**

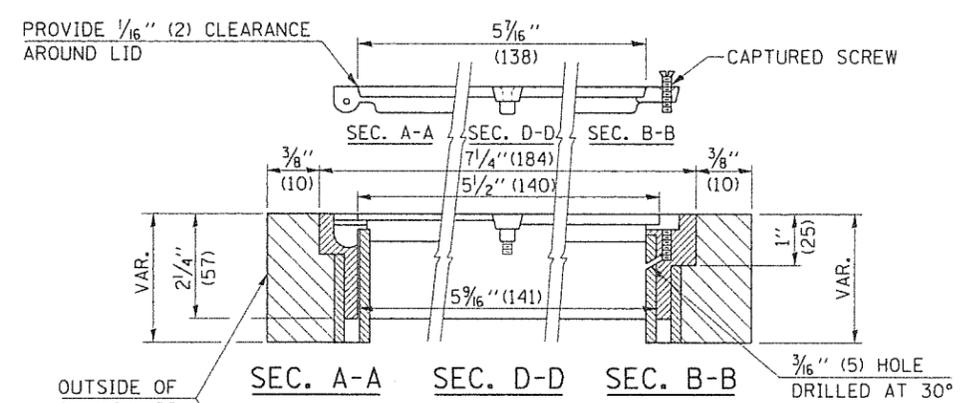
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).



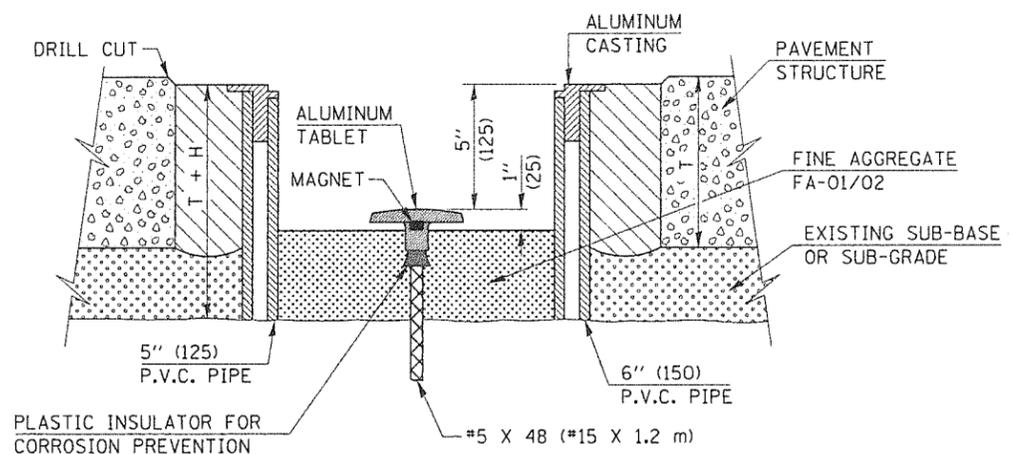
SECTION C-C



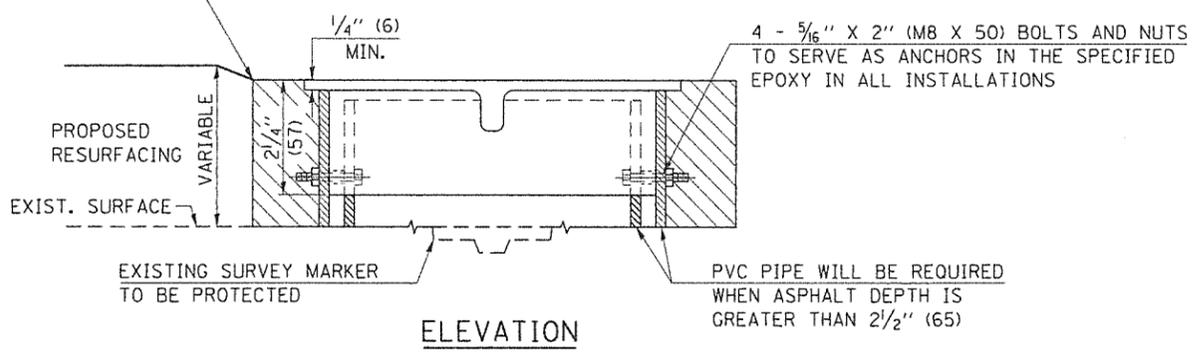
LID HINGE DETAIL



ELEVATION



ELEVATION



EXISTING SURVEY MARKER

**Proposed Survey Vaults for Country Club Road C.H. #5 - Phase I**

PROPOSED SURVEY MONUMENTS

- 1.) C.H.#5, Sta. 88+87.81 / 4.99' Rt - SE Corner, SW1/4, SE1/4, 31-12N-4E
- 2.) T.R. 1500 North, Sta. 0+06.77 / 4.98' Rt - NE Corner, NW1/4, NE1/4, 6-11N-4E
- 3.) C.H.#5, Sta. 115+33.79 / 5.58' Lt - NE Corner, NW1/4, SE1/4, 31-12N-4E

NOT TO SCALE  
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. Z0070202**

|  |                       |            |                    |
|--|-----------------------|------------|--------------------|
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|  |                       | CHECKED -  | REVISED -          |
|  |                       | DATE -     | REVISED -          |

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

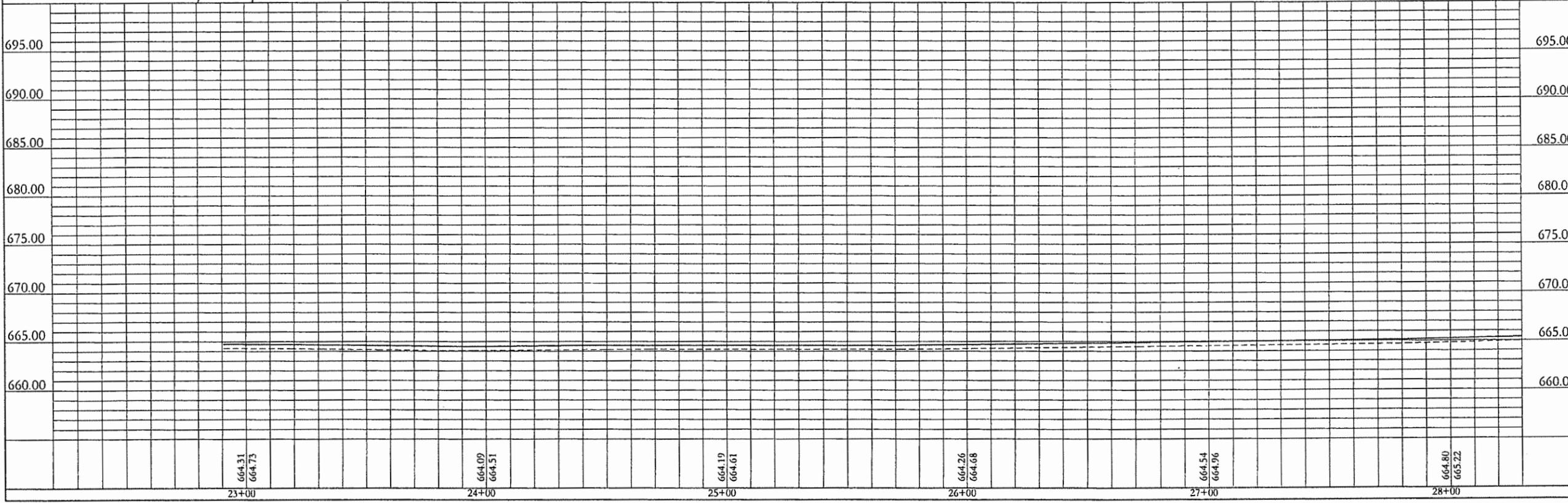
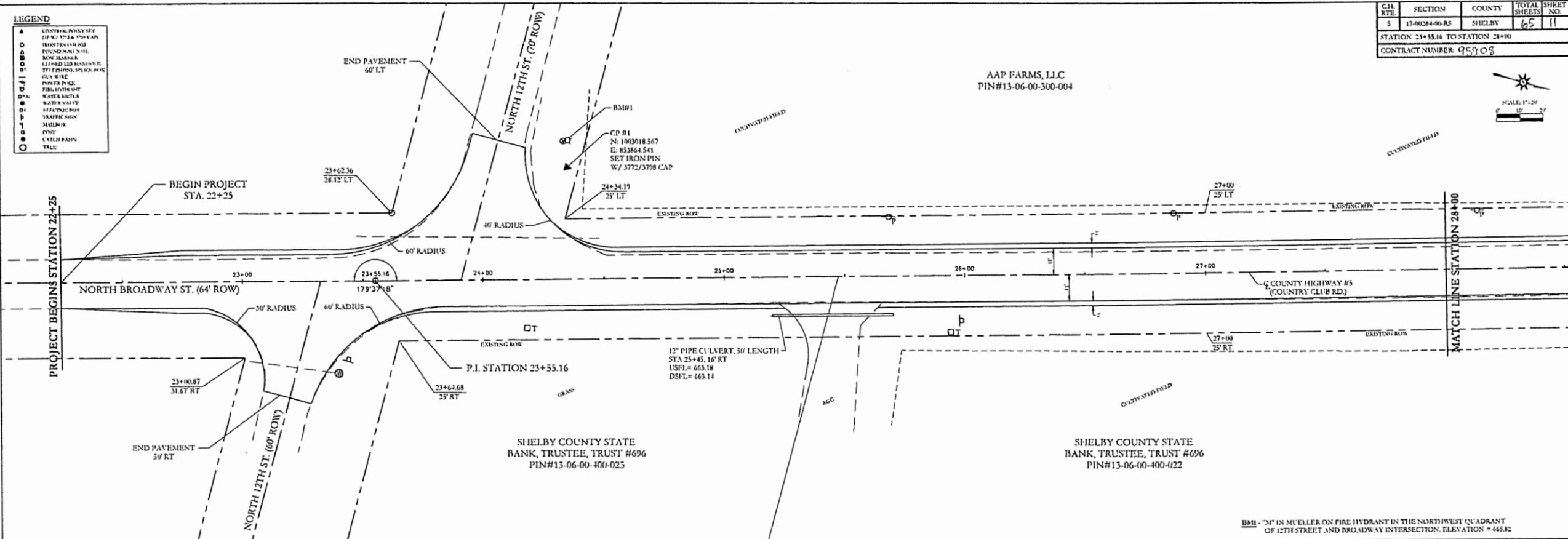
SURVEY MONUMENTS

| F.A. RTE.    | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------|---------|--------|--------------|-----------|
|              |         |        |              |           |
| CONTRACT NO. |         |        |              |           |

| C.H. RTE.                         | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|-----------------------------------|----------------|--------|--------------|-----------|
| 5                                 | 17-00284-90-RS | SHELBY | 65           | 11        |
| STATION 23+55.16 TO STATION 28+00 |                |        |              |           |
| CONTRACT NUMBER: 95908            |                |        |              |           |

**LEGEND**

- ▲ CONTROL POINT SET (IF W/ 1/2" & 1/4" CAP)
- IRON PIN (1/4" DIA)
- FOUND NAIL (1/4" DIA)
- NEW MARKER
- LIFTED LID (1/4" DIA)
- TELEPHONE SPEAKER BOX
- GUY WIRE
- POWER POLE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- ELECTRICAL BOX
- TRAFFIC SIGN
- MAILBOX
- FENCE
- CATCH BASIN
- TIE

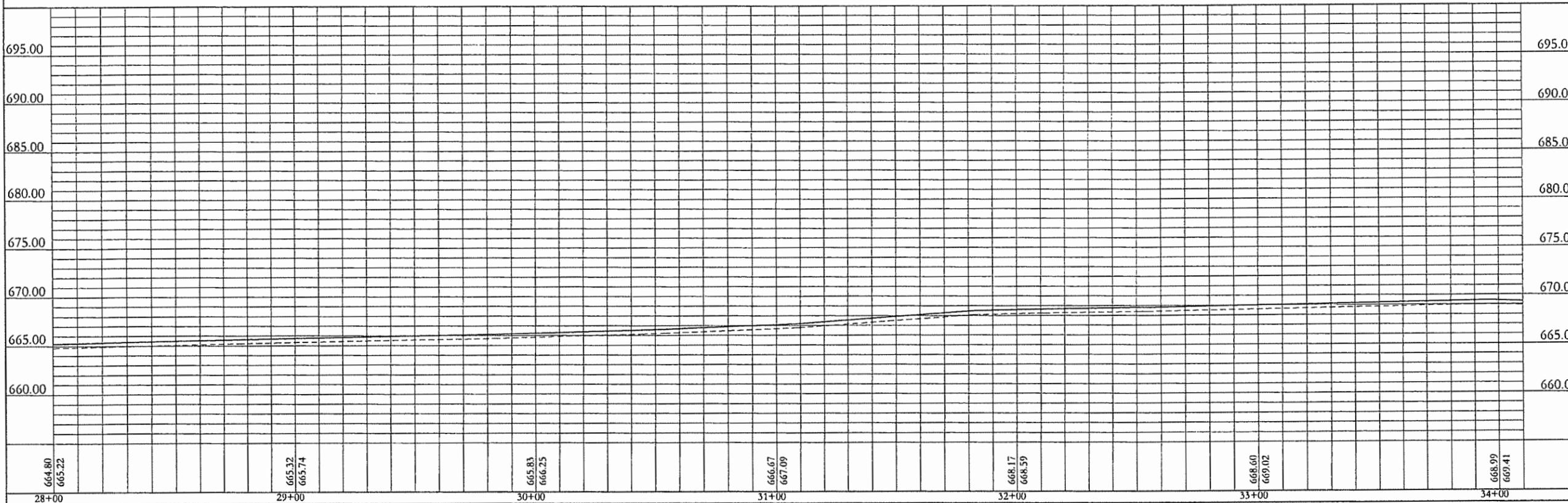
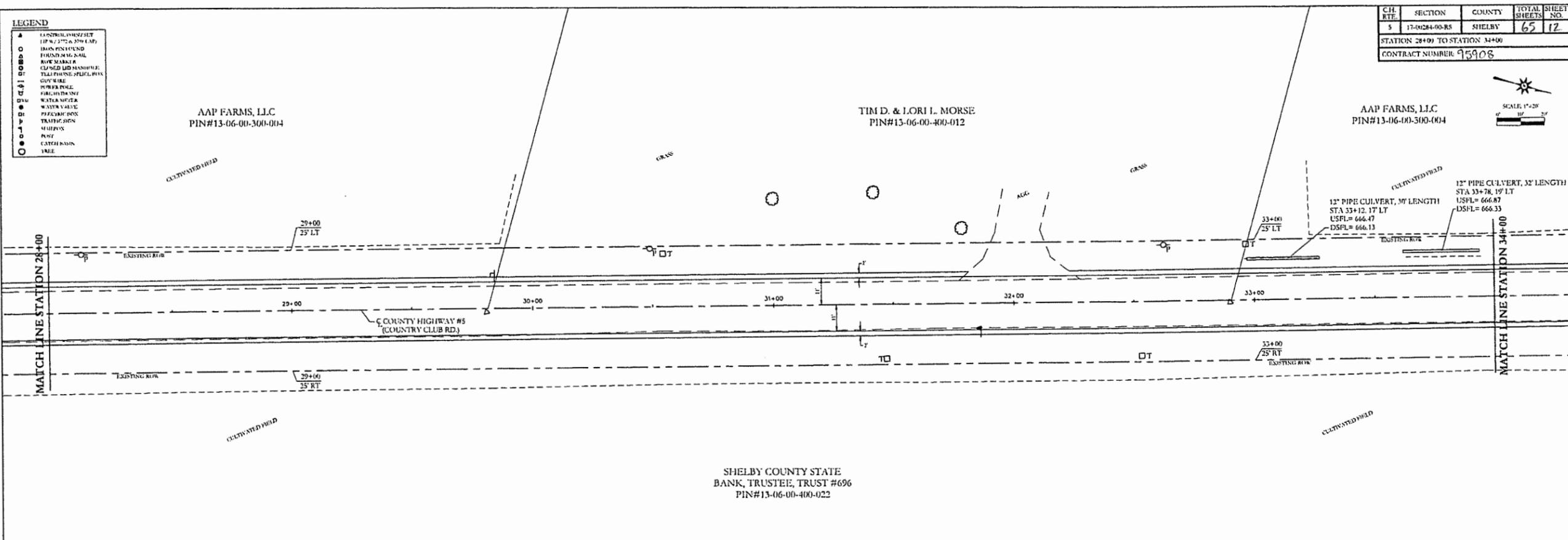


BM#1 - 3/4" IN MUELLER ON FIRE HYDRANT IN THE NORTHWEST QUADRANT OF 12TH STREET AND BROADWAY INTERSECTION. ELEVATION = 665.82

| C.H. RITE.                     | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|----------------|--------|--------------|-----------|
| 5                              | 17-00284-00-85 | SHELBY | 65           | 12        |
| STATION 28+00 TO STATION 34+00 |                |        |              |           |
| CONTRACT NUMBER 95908          |                |        |              |           |

**LEGEND**

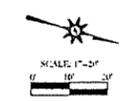
- ▲ CONTROL POINT SET
- IP 8 / 17" x 28" x 32" CAP
- IRON PIN (CAND)
- FRONT M.G. NAIL
- ROUTE MARKER
- CLOSED END MANHOLE
- TELEPHONE SPLIT BOX
- GUY WIRE
- PURER POLE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- PIEZOMETER
- TRAFFIC SIGN
- RAILROAD
- POLE
- CATCH BASIN
- TREE





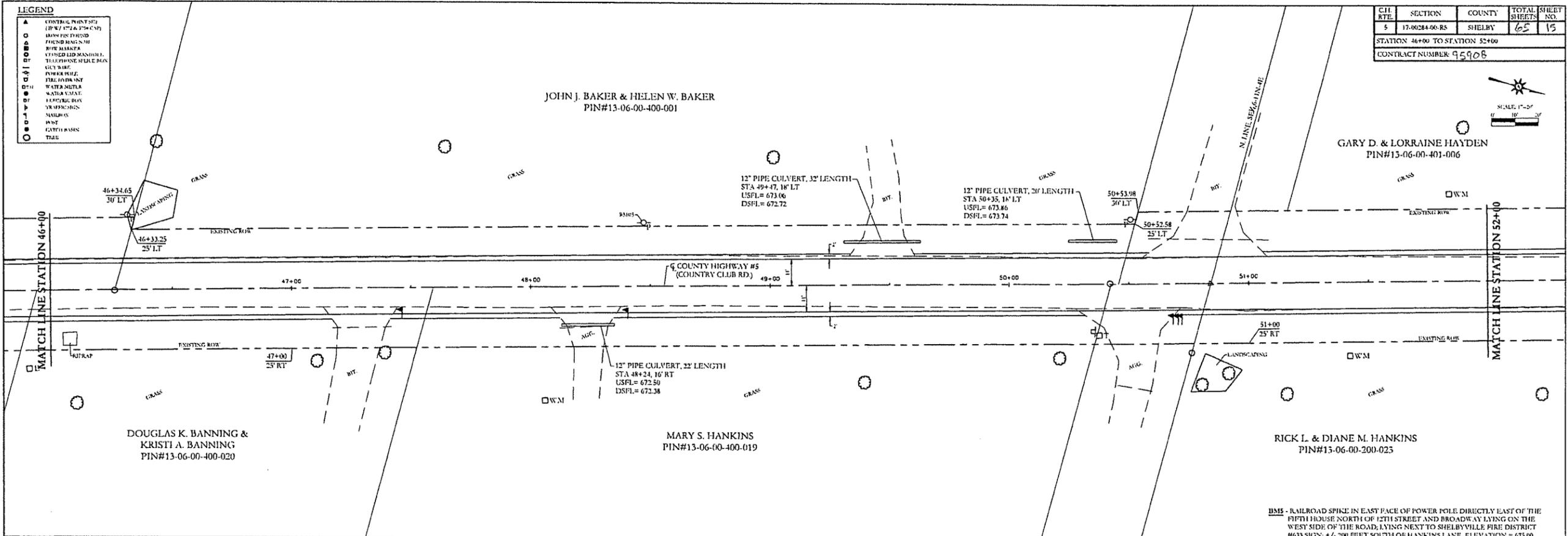


| CIT. RTE.                      | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|----------------|--------|--------------|-----------|
| 5                              | 17-00284-00-RS | SHELBY | 65           | 15        |
| STATION 46+00 TO STATION 52+00 |                |        |              |           |
| CONTRACT NUMBER 95908          |                |        |              |           |

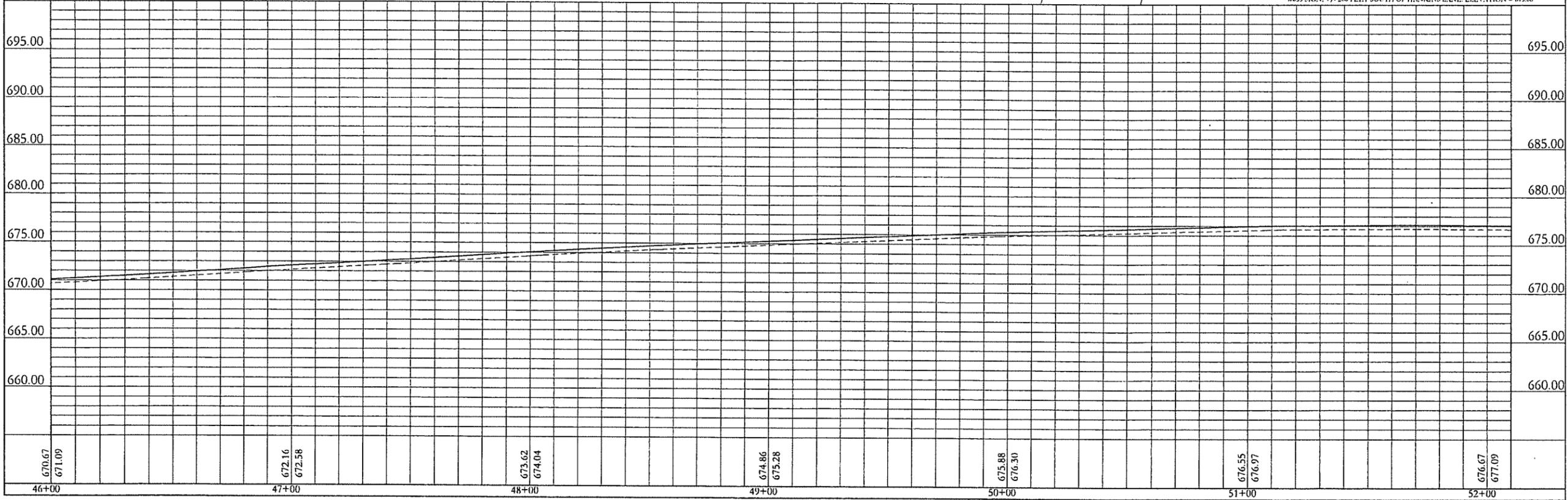


**LEGEND**

- ▲ CONTROL POINTS
- W/M
- 12" PIPE CULVERT
- 18" PIPE CULVERT
- 24" PIPE CULVERT
- 30" PIPE CULVERT
- 36" PIPE CULVERT
- 42" PIPE CULVERT
- 48" PIPE CULVERT
- 54" PIPE CULVERT
- 60" PIPE CULVERT
- 66" PIPE CULVERT
- 72" PIPE CULVERT
- 78" PIPE CULVERT
- 84" PIPE CULVERT
- 90" PIPE CULVERT
- 96" PIPE CULVERT
- 102" PIPE CULVERT
- 108" PIPE CULVERT
- 114" PIPE CULVERT
- 120" PIPE CULVERT
- 126" PIPE CULVERT
- 132" PIPE CULVERT
- 138" PIPE CULVERT
- 144" PIPE CULVERT
- 150" PIPE CULVERT
- 156" PIPE CULVERT
- 162" PIPE CULVERT
- 168" PIPE CULVERT
- 174" PIPE CULVERT
- 180" PIPE CULVERT
- 186" PIPE CULVERT
- 192" PIPE CULVERT
- 198" PIPE CULVERT
- 204" PIPE CULVERT
- 210" PIPE CULVERT
- 216" PIPE CULVERT
- 222" PIPE CULVERT
- 228" PIPE CULVERT
- 234" PIPE CULVERT
- 240" PIPE CULVERT
- 246" PIPE CULVERT
- 252" PIPE CULVERT
- 258" PIPE CULVERT
- 264" PIPE CULVERT
- 270" PIPE CULVERT
- 276" PIPE CULVERT
- 282" PIPE CULVERT
- 288" PIPE CULVERT
- 294" PIPE CULVERT
- 300" PIPE CULVERT
- 306" PIPE CULVERT
- 312" PIPE CULVERT
- 318" PIPE CULVERT
- 324" PIPE CULVERT
- 330" PIPE CULVERT
- 336" PIPE CULVERT
- 342" PIPE CULVERT
- 348" PIPE CULVERT
- 354" PIPE CULVERT
- 360" PIPE CULVERT
- 366" PIPE CULVERT
- 372" PIPE CULVERT
- 378" PIPE CULVERT
- 384" PIPE CULVERT
- 390" PIPE CULVERT
- 396" PIPE CULVERT
- 402" PIPE CULVERT
- 408" PIPE CULVERT
- 414" PIPE CULVERT
- 420" PIPE CULVERT
- 426" PIPE CULVERT
- 432" PIPE CULVERT
- 438" PIPE CULVERT
- 444" PIPE CULVERT
- 450" PIPE CULVERT
- 456" PIPE CULVERT
- 462" PIPE CULVERT
- 468" PIPE CULVERT
- 474" PIPE CULVERT
- 480" PIPE CULVERT
- 486" PIPE CULVERT
- 492" PIPE CULVERT
- 498" PIPE CULVERT
- 504" PIPE CULVERT
- 510" PIPE CULVERT
- 516" PIPE CULVERT
- 522" PIPE CULVERT
- 528" PIPE CULVERT
- 534" PIPE CULVERT
- 540" PIPE CULVERT
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- 750" PIPE CULVERT
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- 768" PIPE CULVERT
- 774" PIPE CULVERT
- 780" PIPE CULVERT
- 786" PIPE CULVERT
- 792" PIPE CULVERT
- 798" PIPE CULVERT
- 804" PIPE CULVERT
- 810" PIPE CULVERT
- 816" PIPE CULVERT
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- 1128" PIPE CULVERT
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- 1176" PIPE CULVERT
- 1182" PIPE CULVERT
- 1188" PIPE CULVERT
- 1194" PIPE CULVERT
- 1200" PIPE CULVERT



BMS - RAILROAD SPIKE IN EAST FACE OF POWER POLE DIRECTLY EAST OF THE FIFTH HOUSE NORTH OF 12TH STREET AND BROADWAY LYING ON THE WEST SIDE OF THE ROAD, LYING NEXT TO SHELBYVILLE FIRE DISTRICT #633 SIGN; +/- 200 FEET SOUTH OF HANKINS LANE. ELEVATION = 675.00











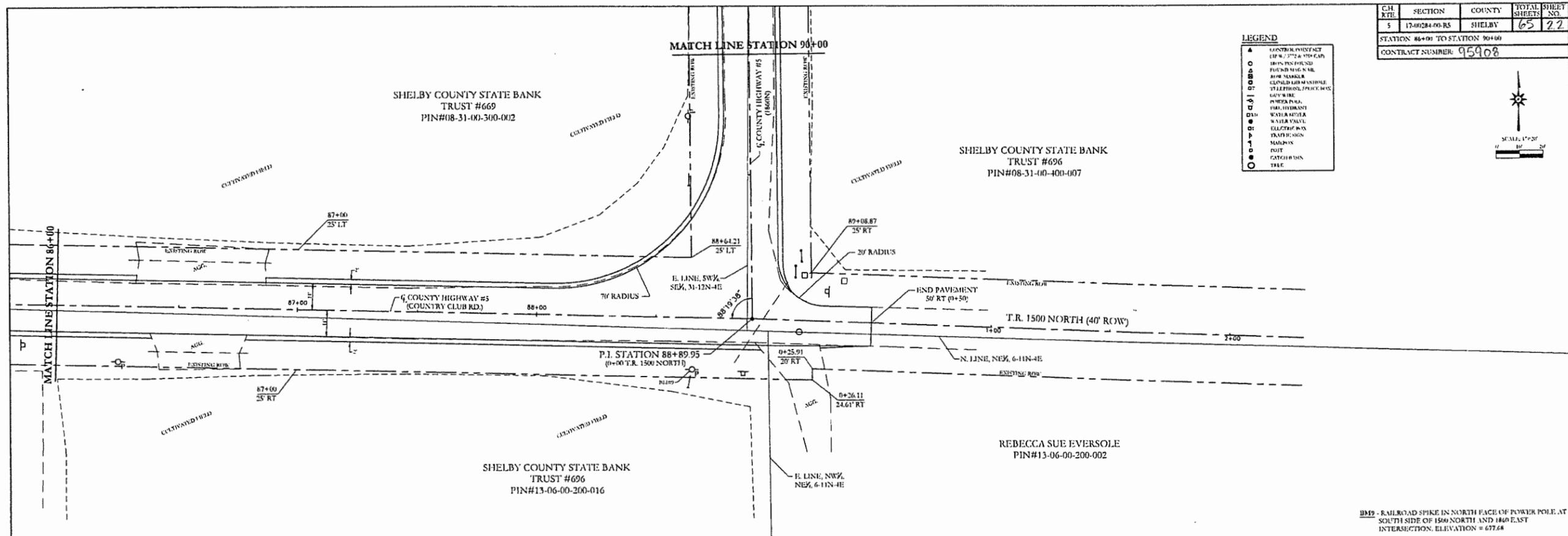
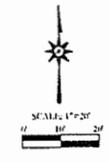




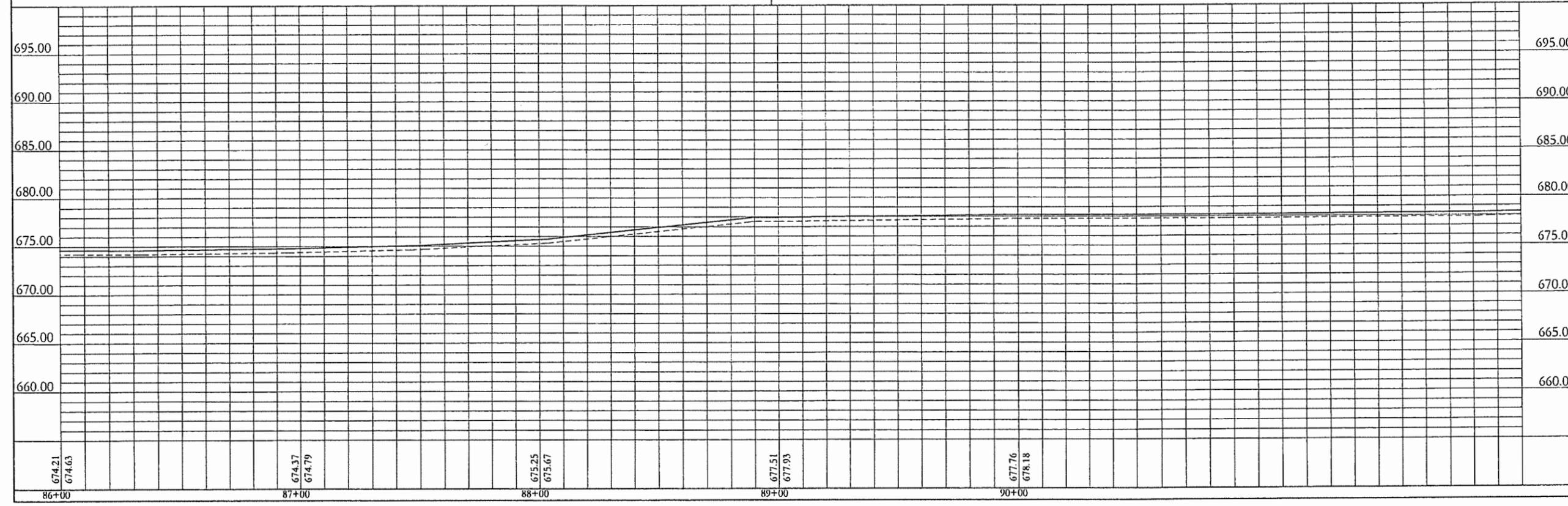
| CH. RTE.                       | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|----------------|--------|--------------|-----------|
| 5                              | 17-00284-00-R5 | SHELBY | 65           | 22        |
| STATION 86+00 TO STATION 90+00 |                |        |              |           |
| CONTRACT NUMBER: 95908         |                |        |              |           |

**LEGEND**

- ▲ CONTROL POINT
- 12" x 12" x 12" CAP
- 18" x 18" x 18" CAP
- 24" x 24" x 24" CAP
- 30" x 30" x 30" CAP
- 36" x 36" x 36" CAP
- 42" x 42" x 42" CAP
- 48" x 48" x 48" CAP
- 54" x 54" x 54" CAP
- 60" x 60" x 60" CAP
- 66" x 66" x 66" CAP
- 72" x 72" x 72" CAP
- 78" x 78" x 78" CAP
- 84" x 84" x 84" CAP
- 90" x 90" x 90" CAP
- 96" x 96" x 96" CAP
- 102" x 102" x 102" CAP
- 108" x 108" x 108" CAP
- 114" x 114" x 114" CAP
- 120" x 120" x 120" CAP
- 126" x 126" x 126" CAP
- 132" x 132" x 132" CAP
- 138" x 138" x 138" CAP
- 144" x 144" x 144" CAP
- 150" x 150" x 150" CAP
- 156" x 156" x 156" CAP
- 162" x 162" x 162" CAP
- 168" x 168" x 168" CAP
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- 1128" x 1128" x 1128" CAP
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- 1338" x 1338" x 1338" CAP
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- 1464" x 1464" x 1464" CAP
- 1470" x 1470" x 1470" CAP
- 1476" x 1476" x 1476" CAP
- 1482" x 1482" x 1482" CAP
- 1488" x 1488" x 1488" CAP
- 1494" x 1494" x 1494" CAP
- 1500" x 1500" x 1500" CAP



BM9 - RAILROAD SPIKE IN NORTH FACE OF POWER POLE AT SOUTH SIDE OF 1500 NORTH AND 1860 EAST INTERSECTION. ELEVATION = 677.68



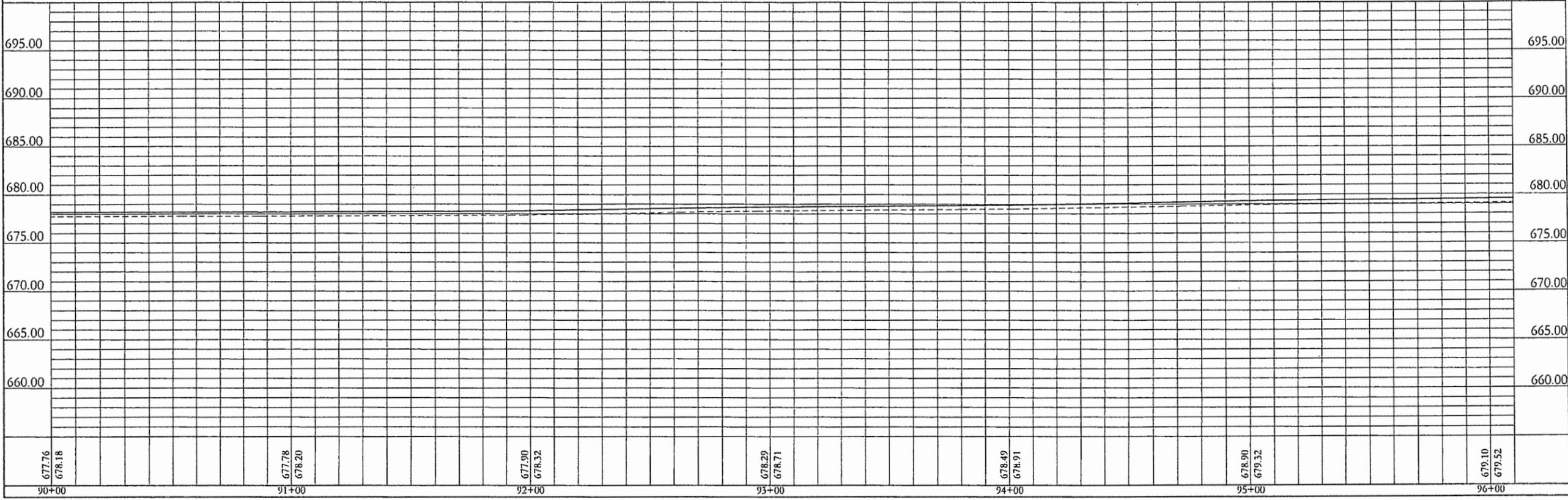
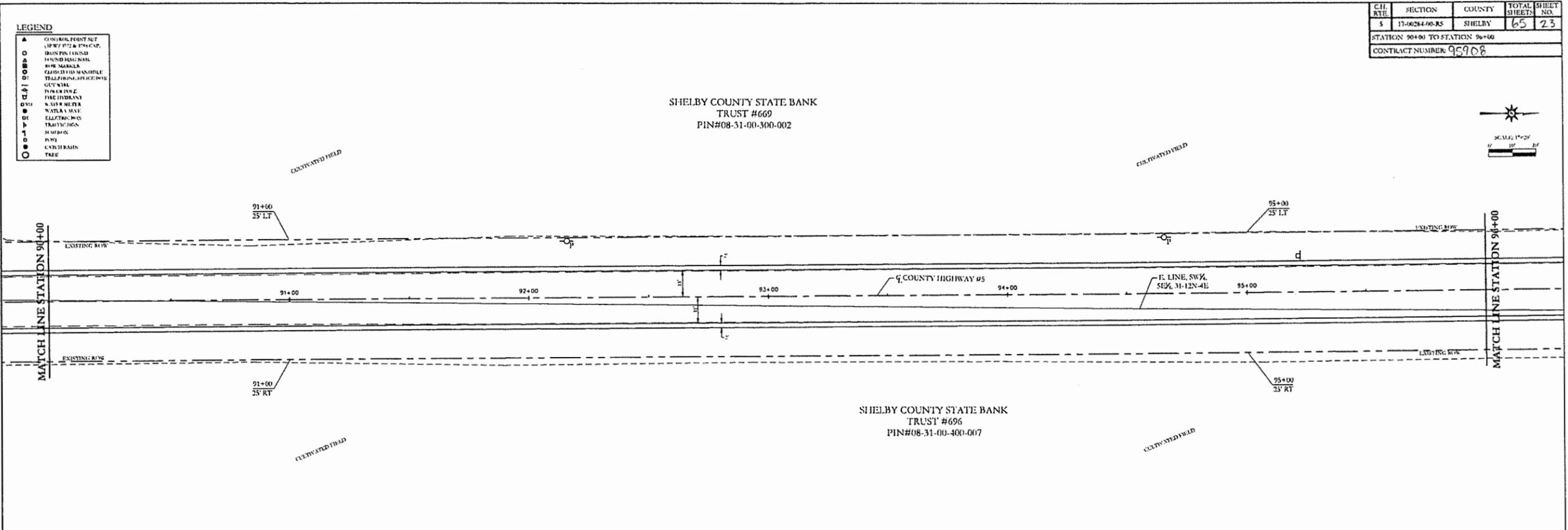
| C.H. RITE                      | SECTION       | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------------|---------------|--------|--------------|-----------|
| 5                              | 17-0024-00-R5 | SHELBY | 65           | 23        |
| STATION 90+00 TO STATION 96+00 |               |        |              |           |
| CONTRACT NUMBER: 95908         |               |        |              |           |

**LEGEND**

|   |                      |
|---|----------------------|
| ▲ | CONTROL POINT SET    |
| ○ | OPEN 1/2" & 1/4" CAP |
| □ | IRON PIN FOUND       |
| ○ | FOUND IRON NAIL      |
| ○ | PIPE MARKER          |
| ○ | CAUTION FOR MANHOLE  |
| ○ | TELEPHONE OFFICE BOX |
| ○ | GUY WIRE             |
| ○ | TOWER WIRE           |
| ○ | FIRE HYDRANT         |
| ○ | 8.50' DEPTH          |
| ○ | WATER METER          |
| ○ | ELECTRIC BOX         |
| ○ | TRAFFIC SIGN         |
| ○ | W SIGN               |
| ○ | POLE                 |
| ○ | CATCH BASIN          |
| ○ | TREE                 |

SHELBY COUNTY STATE BANK  
TRUST #669  
PIN#08-31-00-300-002

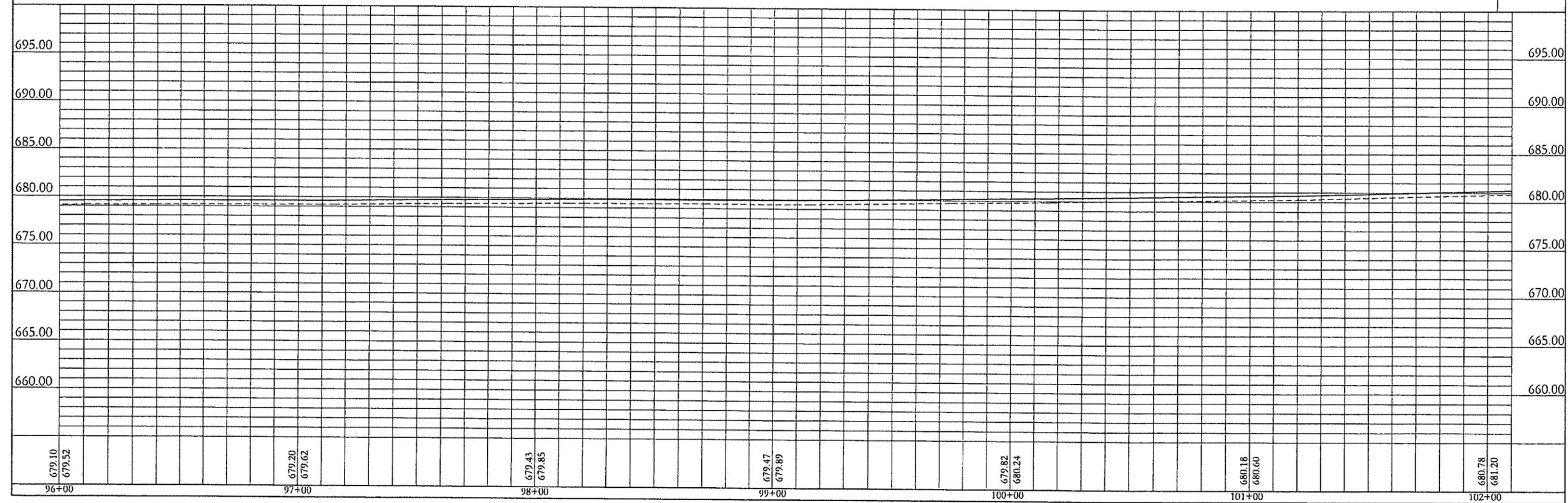
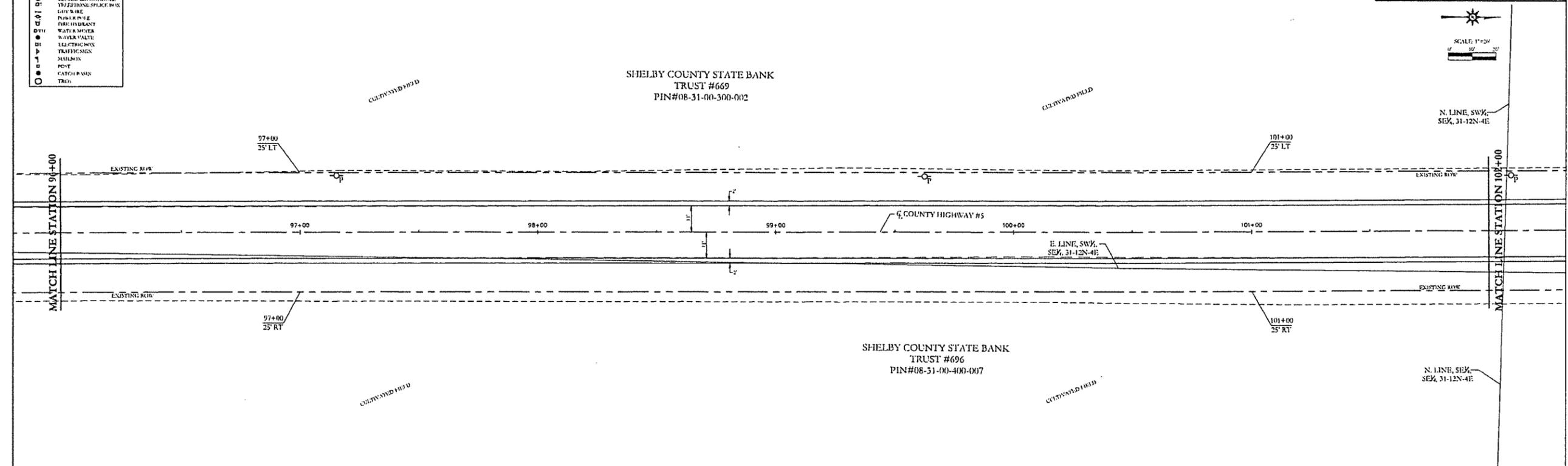
SHELBY COUNTY STATE BANK  
TRUST #696  
PIN#08-31-00-400-007



| CIT. RTE.                       | SECTION       | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------------|---------------|--------|--------------|-----------|
| 5                               | 17-0024-00-R5 | SHELBY | 65           | 24        |
| STATION 96+00 TO STATION 102+00 |               |        |              |           |
| CONTRACT NUMBER: 95908          |               |        |              |           |

**LEGEND**

- ▲ CONTROL POINT SET (P & U, 1/2" & 3/4" CAP)
- ◆ IRON PIN FOUND
- IRON PIN NAIL
- R/W MARKER
- CLOSD LID MANHOLE
- YIELDING SPICE BOX
- GUY WIRE
- PAPER PIPE
- FIBERGLASS
- WATER METER
- WATER VALVE
- LIGHTING BOX
- TRAFFIC SIGN
- MULLINX
- POST
- CATCH BASIN
- TRUS

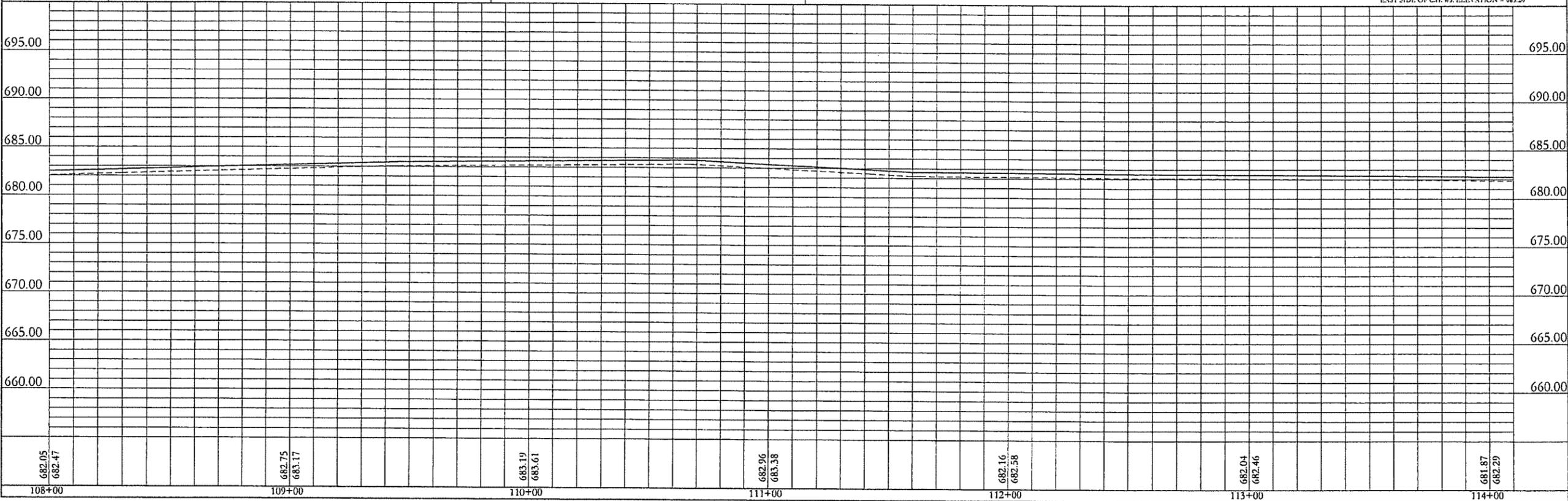
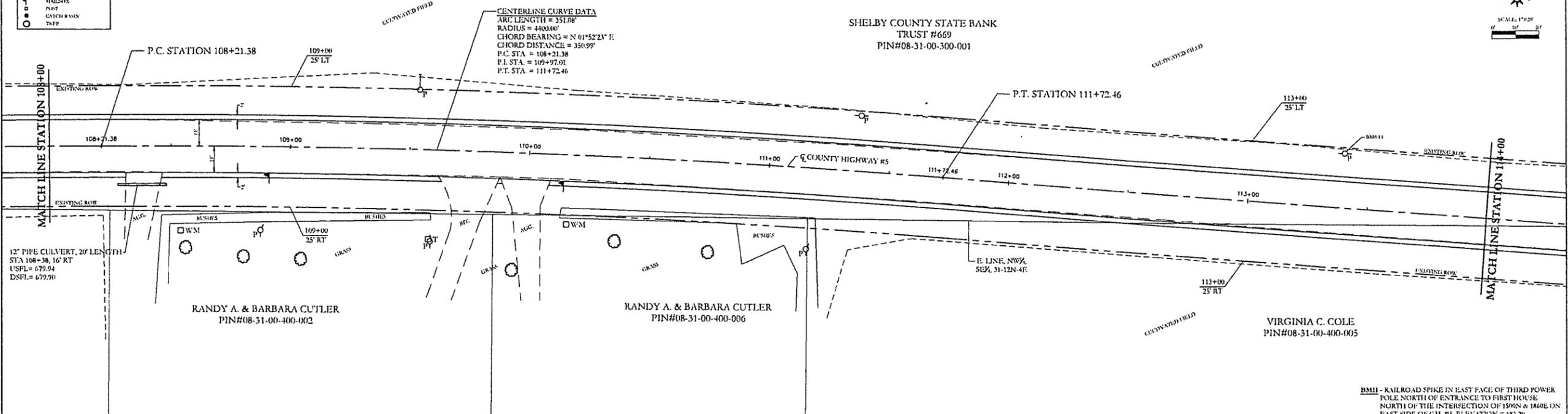




| C.H. RTE.                        | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------------------|----------------|--------|--------------|-----------|
| 5                                | 17-00244-00-R5 | SHELBY | 165          | 26        |
| STATION 108+00 TO STATION 114+00 |                |        |              |           |
| CONTRACT NUMBER: 95908           |                |        |              |           |

**LEGEND**

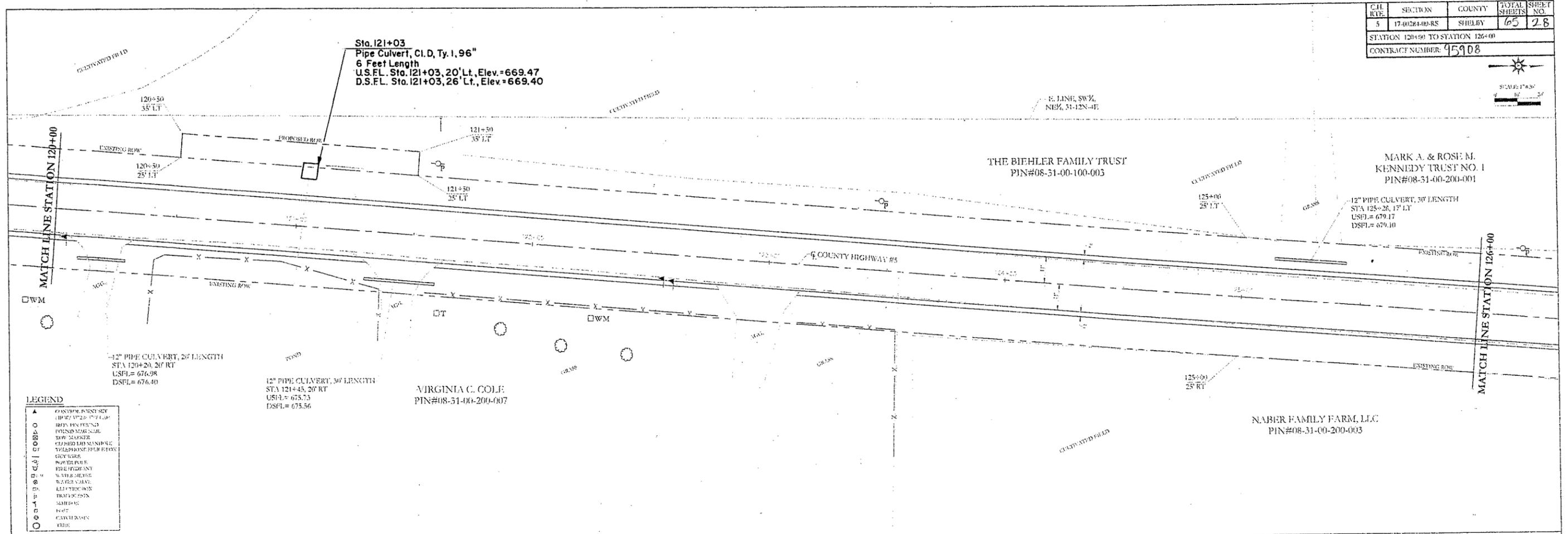
- ▲ CONTROL POINT (UT)
- 1/2" W. 1/2" & 3/4" CUP
- IRON PIPES FOUND
- FOUND MANHOLE
- IRON MANHOLE
- TOP OF 12" MANHOLE
- TELEPHONE SERVICE BOX
- GUY WIRE
- POWER POLE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- LIGHT FIXTURE
- TRAFFIC SIGN
- MANHOLE
- POLE
- CATCH BASIN
- TREE



BM11 - RAILROAD SPIKE IN EAST FACE OF THIRD POWER POLE NORTH OF ENTRANCE TO FIRST HOUSE NORTH OF THE INTERSECTION OF 1500N & 1460E ON EAST SIDE OF C.H. #5. ELEVATION = 683.20

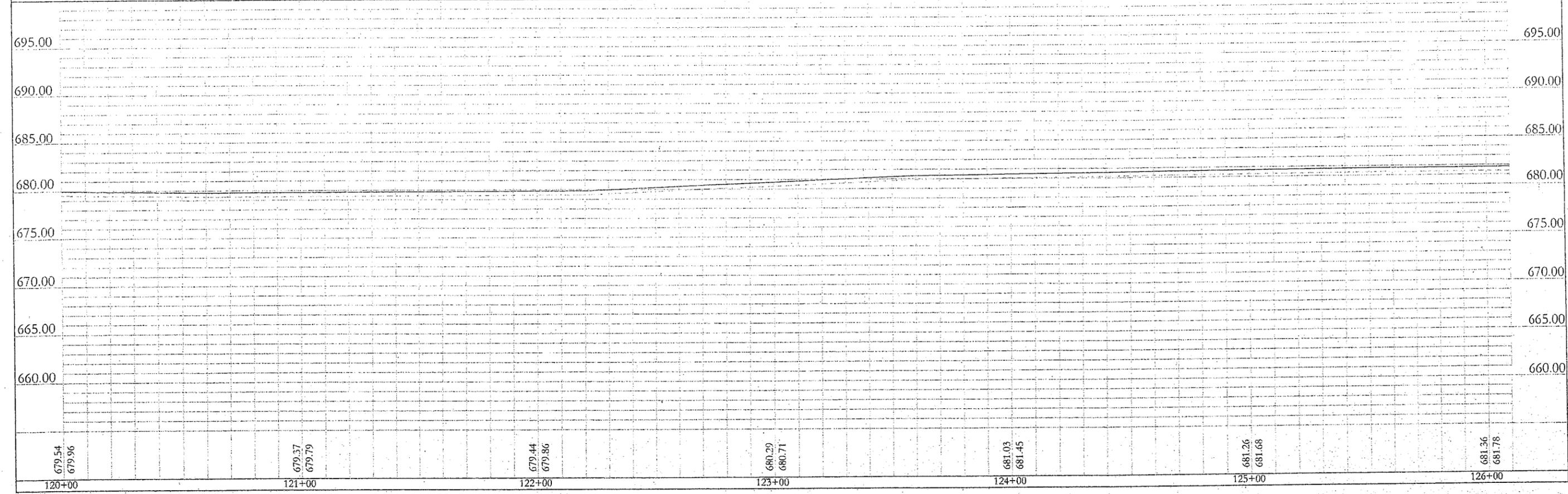


| C.H. RITE                        | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------------------|----------------|--------|--------------|-----------|
| 5                                | 17-00284-00-RS | SHELBY | 65           | 28        |
| STATION 120+00 TO STATION 126+00 |                |        |              |           |
| CONTRACT NUMBER: 95908           |                |        |              |           |

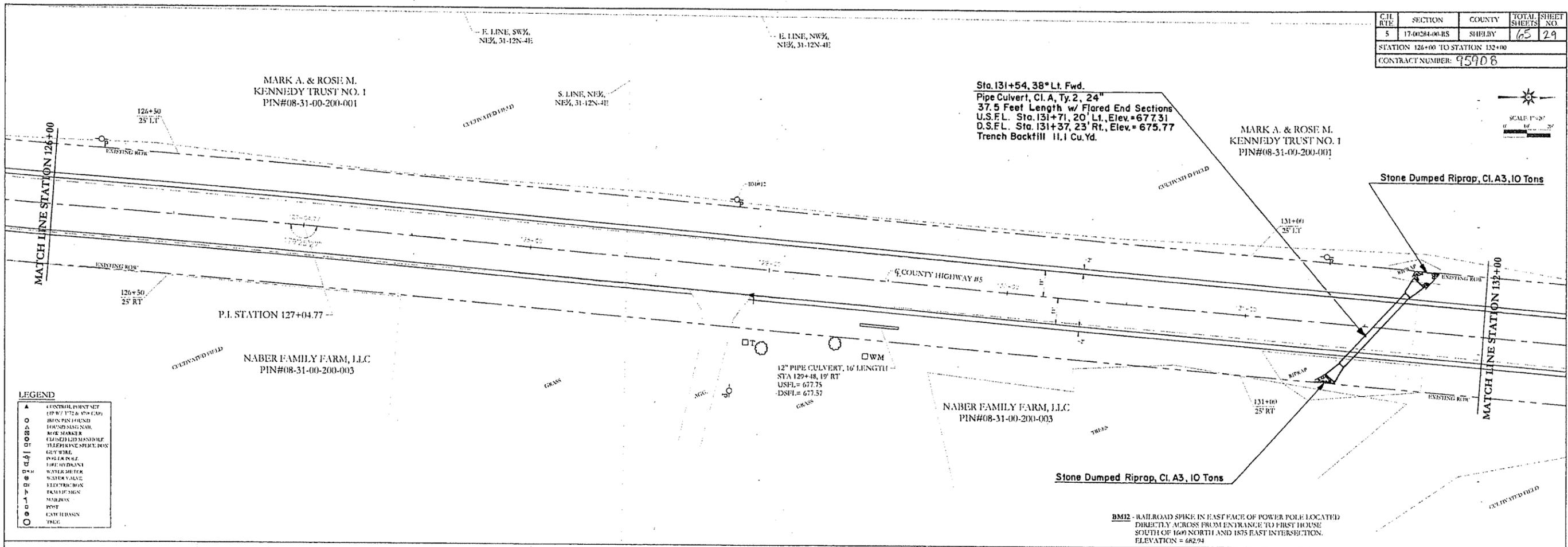


**LEGEND**

- ▲ CONTROL POINT SET
- W.M. (WATER MAIN)
- (CIRCLES) MANHOLE
- (CIRCLES) CULVERT
- (CIRCLES) POND
- (CIRCLES) GRAVE
- (CIRCLES) TREE
- (CIRCLES) POWER POLE
- (CIRCLES) TELEPHONE
- (CIRCLES) WASTE WATER
- (CIRCLES) WATER VALVE
- (CIRCLES) LIGHT FIXTURE
- (CIRCLES) PRESSURE POINT
- (CIRCLES) SIGN
- (CIRCLES) POST
- (CIRCLES) CURB/RAIL
- (CIRCLES) FENCE

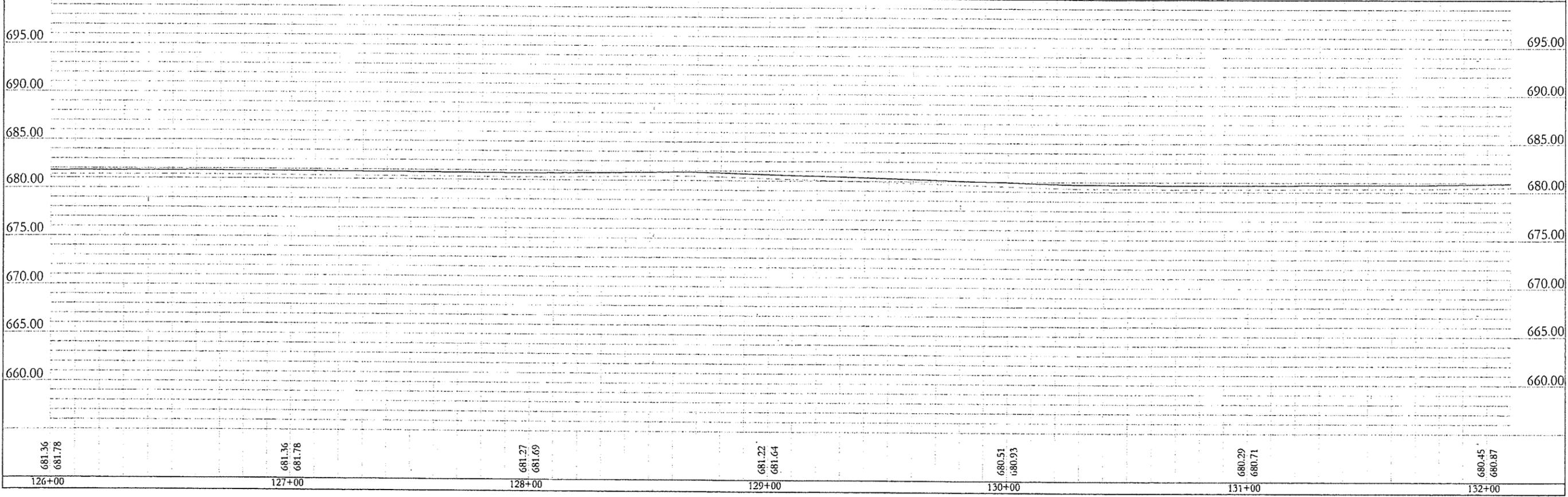


| C.I.L. R/F                       | SECTION        | COUNTY  | TOTAL SHEETS | SHEET NO. |
|----------------------------------|----------------|---------|--------------|-----------|
| 5                                | 17-00284-00-RS | SHIELBY | 65           | 29        |
| STATION 126+00 TO STATION 132+00 |                |         |              |           |
| CONTRACT NUMBER: 95908           |                |         |              |           |



**LEGEND**

- ▲ CONTROL POINT SET (HWY 1724 15W CAP)
- IRON PIN FOUND
- IRON NAIL
- IRON MARKER
- CLOSED LID MANHOLE
- TELEPHONE SPHERE IRON
- GUY WIRE
- HYDRA PILE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- ELECTRIC BOX
- ELEC. SIGN
- METER BOX
- POST
- CATCH BASIN
- TREE







| C.H. RITE                        | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|----------------------------------|----------------|--------|--------------|-----------|
| 5                                | 17-00284-01-RS | SHELBY | 65           | 32        |
| STATION 142+50 TO STATION 147+00 |                |        |              |           |
| CONTRACT NUMBER 95908            |                |        |              |           |

**LEGEND**

- ▲ CONTROL POINT SET
- 4" W / 12" A 3750 CAP
- BOUND FOUND
- FOUND 24" DIA.
- PIPE MARKER
- CHISELED END MESSAGE
- TELEPHONE STRUCTURE
- 4" X 4" SIGN
- 12" X 12" SIGN
- 18" X 18" SIGN
- 24" X 24" SIGN
- 36" X 36" SIGN
- 48" X 48" SIGN
- 60" X 60" SIGN
- 72" X 72" SIGN
- 84" X 84" SIGN
- 96" X 96" SIGN
- 108" X 108" SIGN
- 120" X 120" SIGN
- 144" X 144" SIGN
- 168" X 168" SIGN
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- 1104" X 1104" SIGN
- 1128" X 1128" SIGN
- 1152" X 1152" SIGN
- 1176" X 1176" SIGN
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- 1224" X 1224" SIGN
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- 1872" X 1872" SIGN
- 1896" X 1896" SIGN
- 1920" X 1920" SIGN
- 1944" X 1944" SIGN
- 1968" X 1968" SIGN
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- 2016" X 2016" SIGN
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- 9984" X 9984" SIGN
- 10008" X 10008" SIGN

MORRIS EDWARD TICE - TRUSTEE (1/2)  
 BARBARA KATHERINE TICE - TRUSTEE (1/2)  
 PIN#08-30-00-400-025

**A.R. Sta. 146+26**  
**Pipe Culvert, Cl. A, Ty. I, 24" E-R-S**  
**60 Feet Length w/ Flared End Sections**  
**U.S.F.L. Sta. 146+26.40' Lt., Elev. = 681.98**  
**D.S.F.L. Sta. 146+26.36' Rt., Elev. = 681.70**  
**Trench Backfill 2.4 Cu. Yd.**

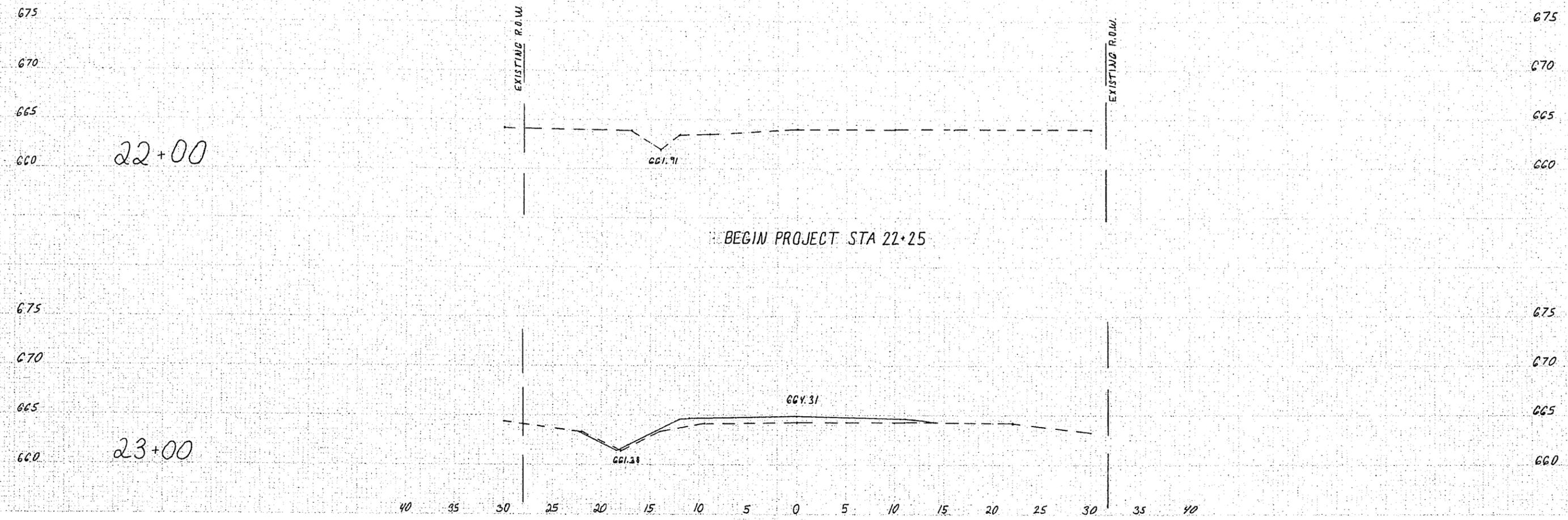
BRUCE & DIANE ACTON - TRUSTEES  
 PIN#08-30-00-400-018

SHELBY COUNTY STATE BANK  
 TRUST #770  
 PIN#08-31-00-200-002

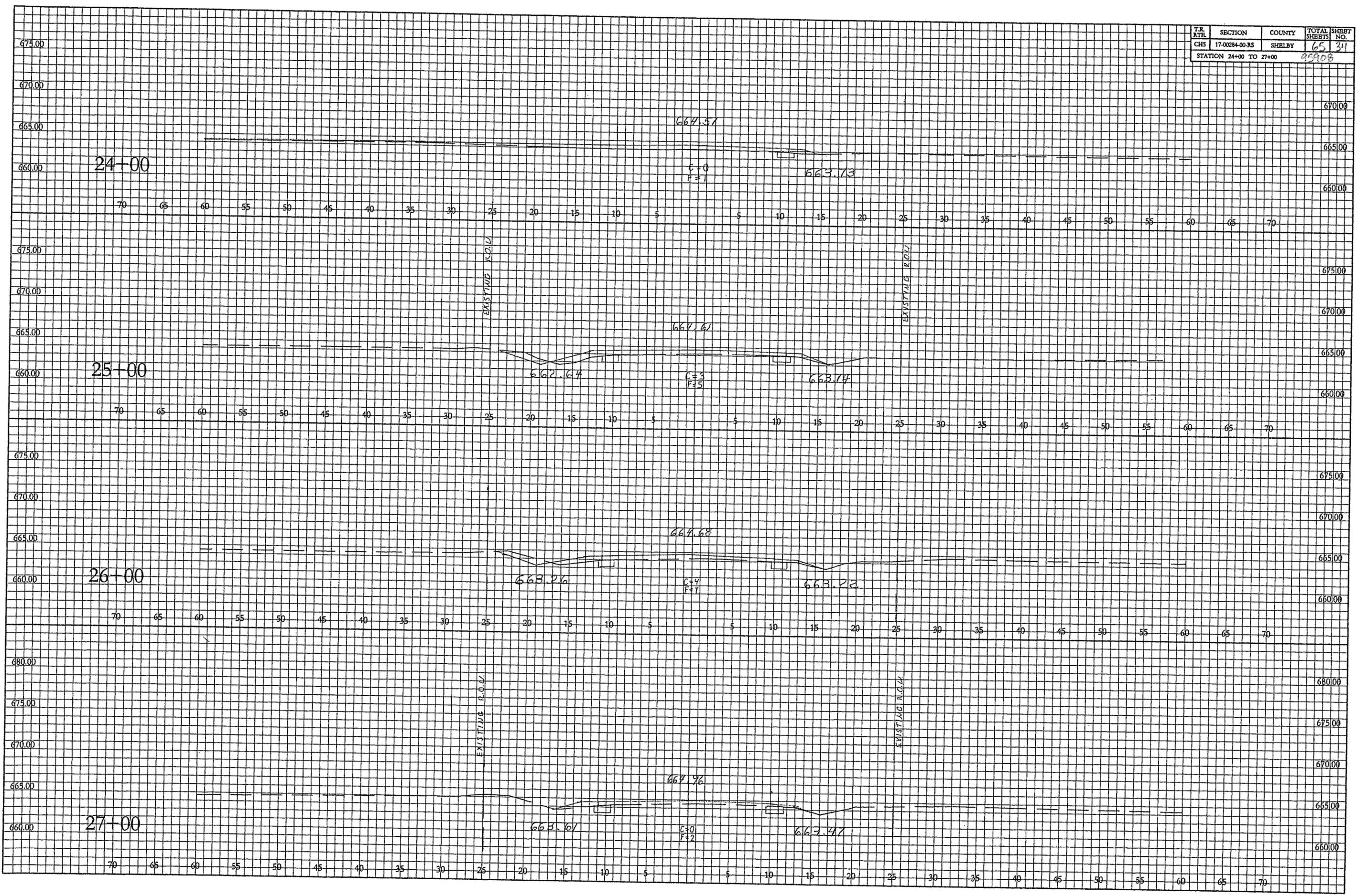
**BM14** RAILROAD SPIKE IN WEST FACE OF POWER POLE IN  
 NORTHEAST QUADRANT OF 1600 NORTH AND  
 COUNTY HIGHWAY #5 INTERSECTION.  
 ELEVATION = 684.89



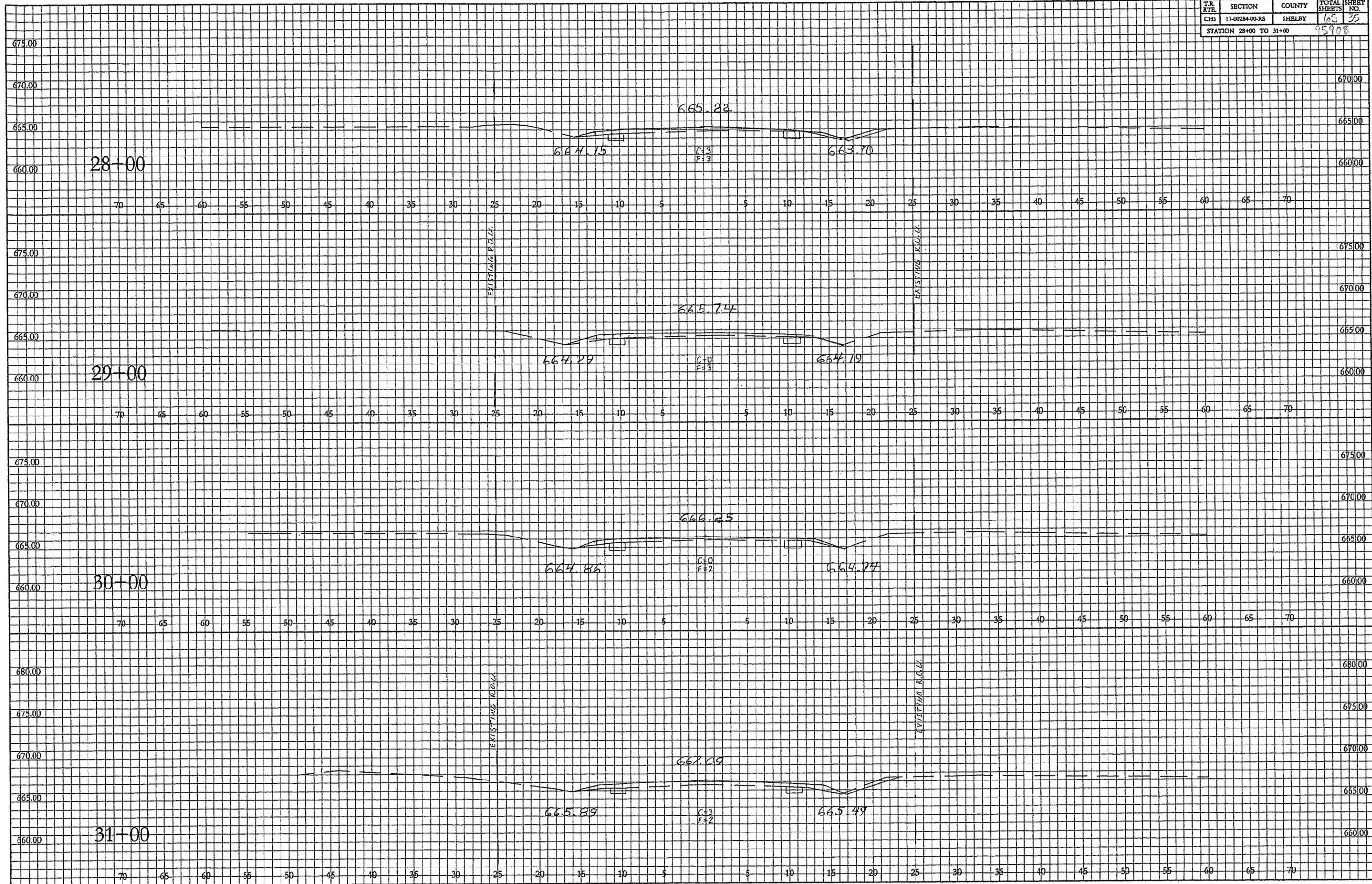
|        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|
| 685.40 | 684.44 | 684.15 | 684.15 | 684.52 | 683.58 | 683.59 |
| 685.82 | 684.86 | 684.57 | 684.57 | 684.94 | 684.00 |        |
| 142+00 | 143+00 | 144+00 | 145+00 | 146+00 | 147+00 | 148+00 |



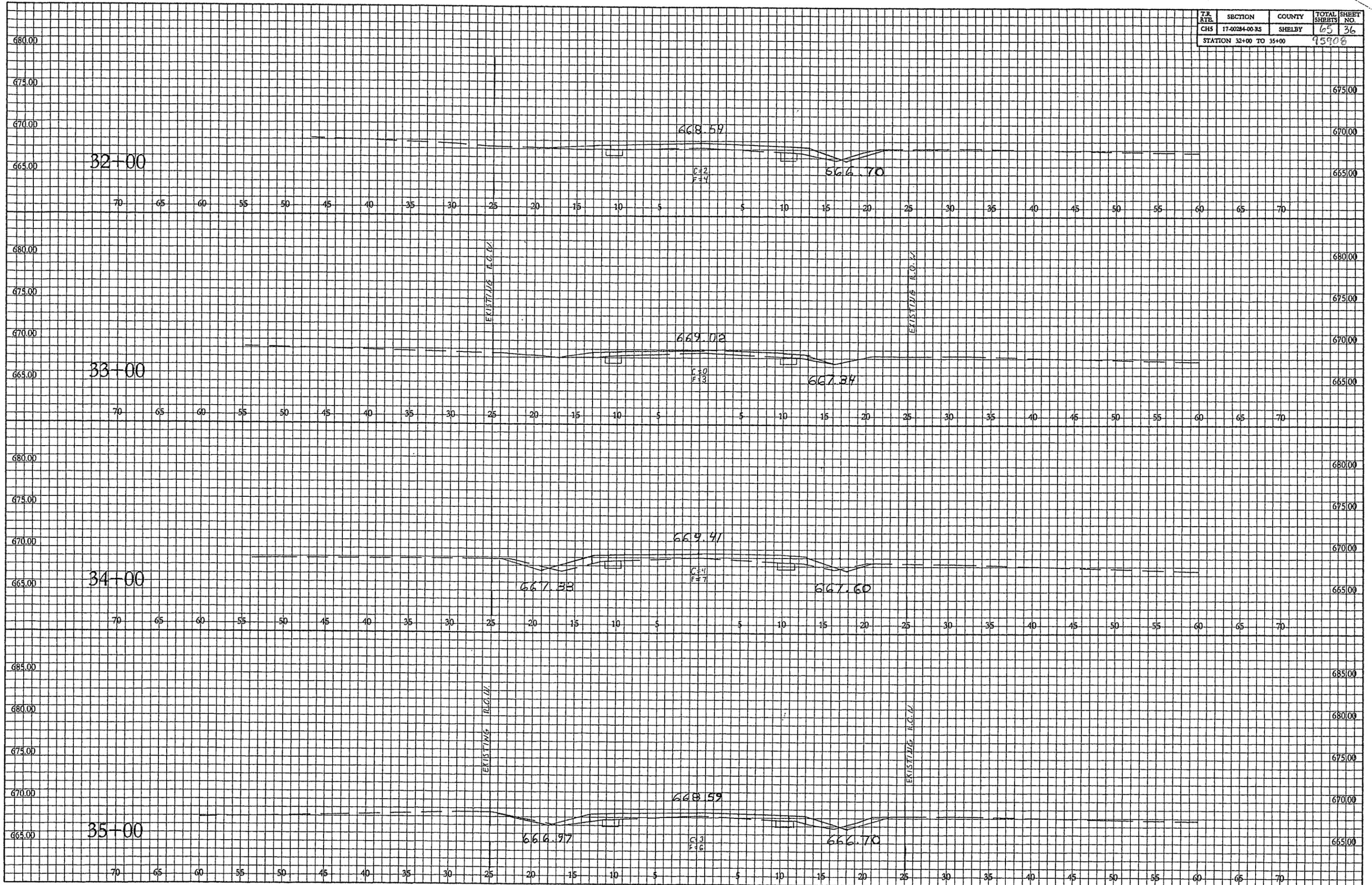
| T.R. NO.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHELBY | 65           | 34        |
| STATION 24+00 TO 27+00 |                |        | 95908        |           |



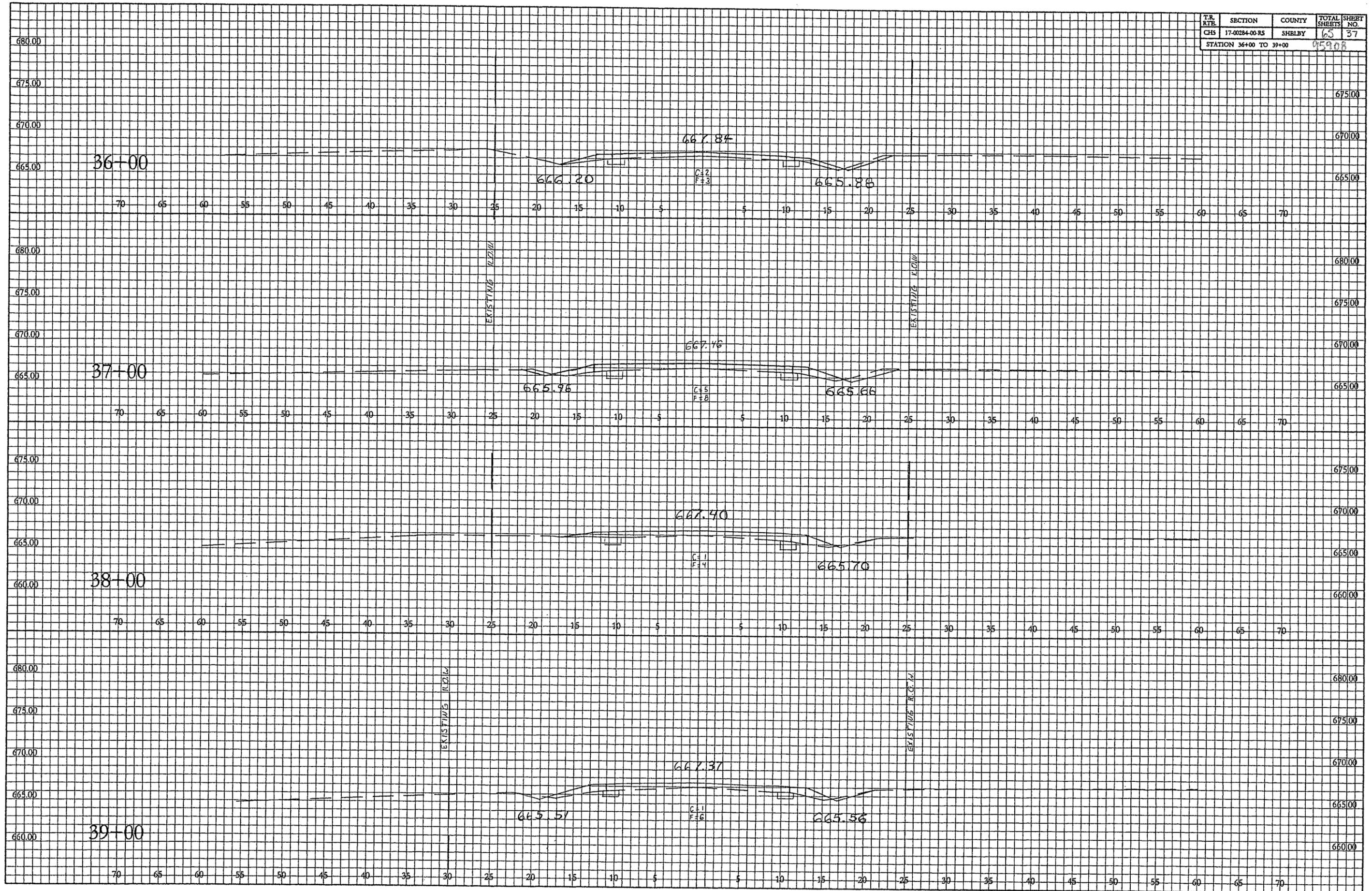
| TR. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHELBY | 165          | 35        |
| STATION 28+00 TO 31+00 |                |        |              | 95908     |



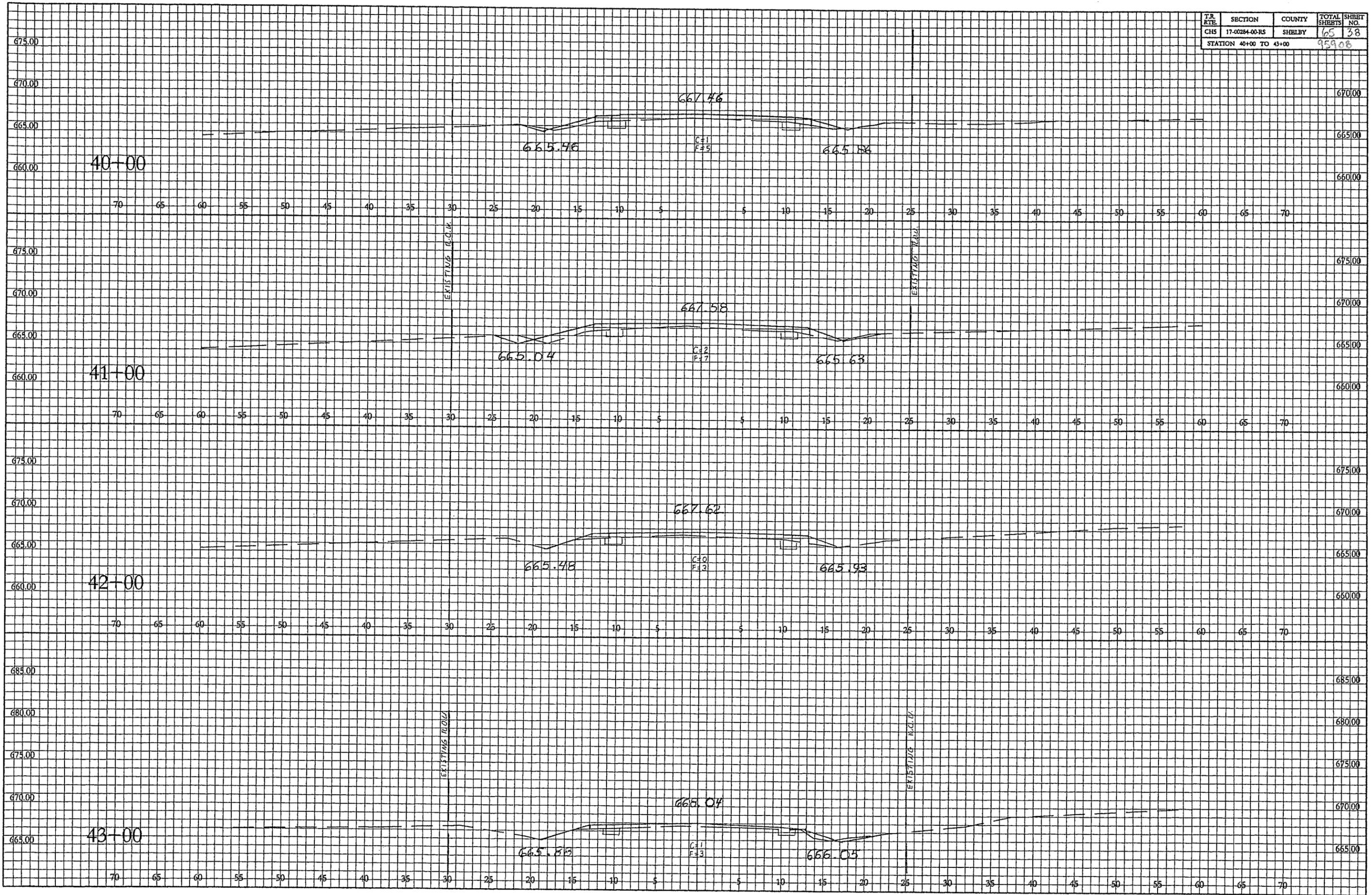
| T.R. RTB               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-B5 | SHELBY | 65           | 36        |
| STATION 32+00 TO 35+00 |                |        |              | 15906     |



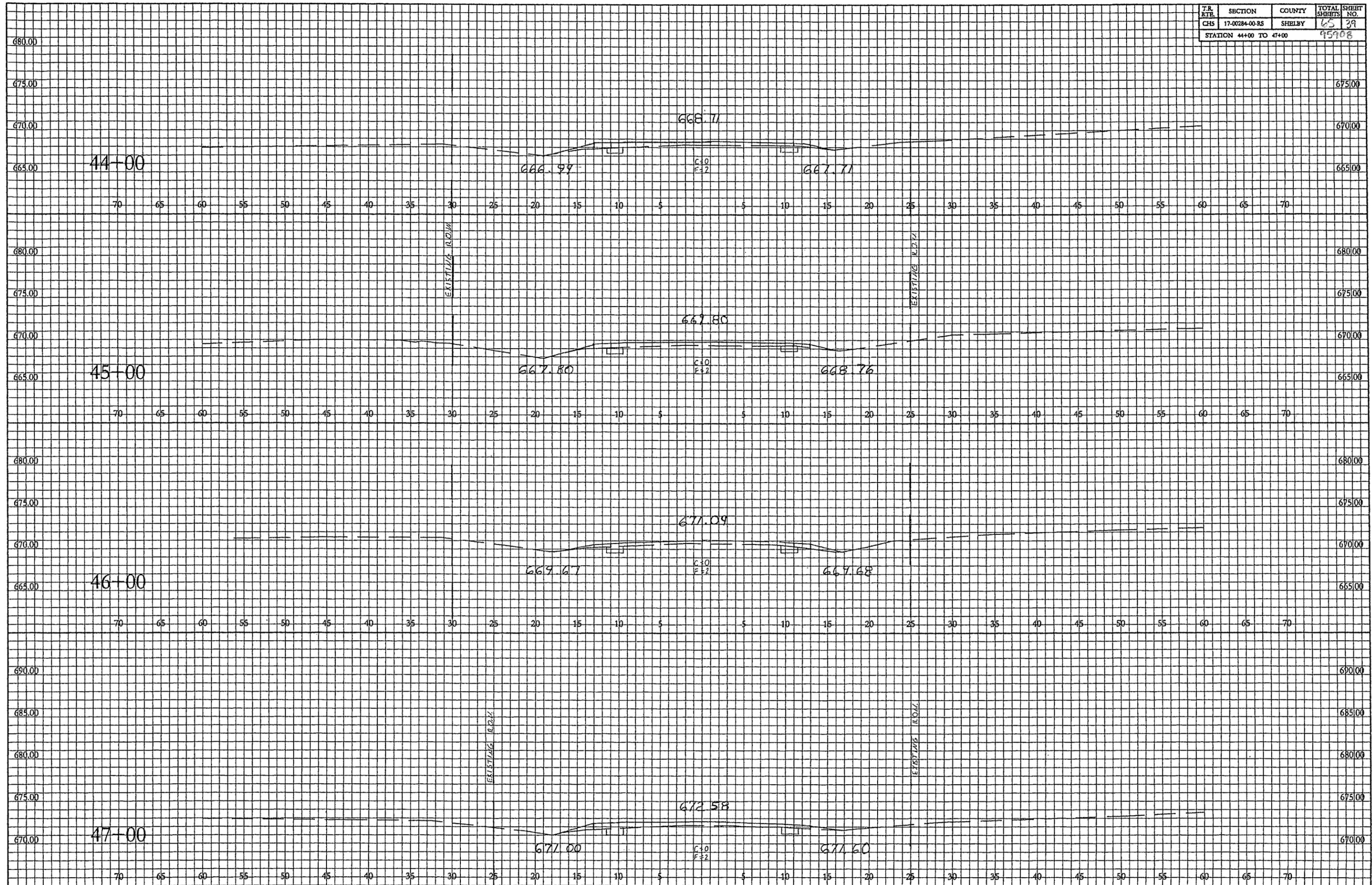
| T.R.                   | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHRLEY | 63           | 37        |
| STATION 36+00 TO 39+00 |                |        |              | 95908     |



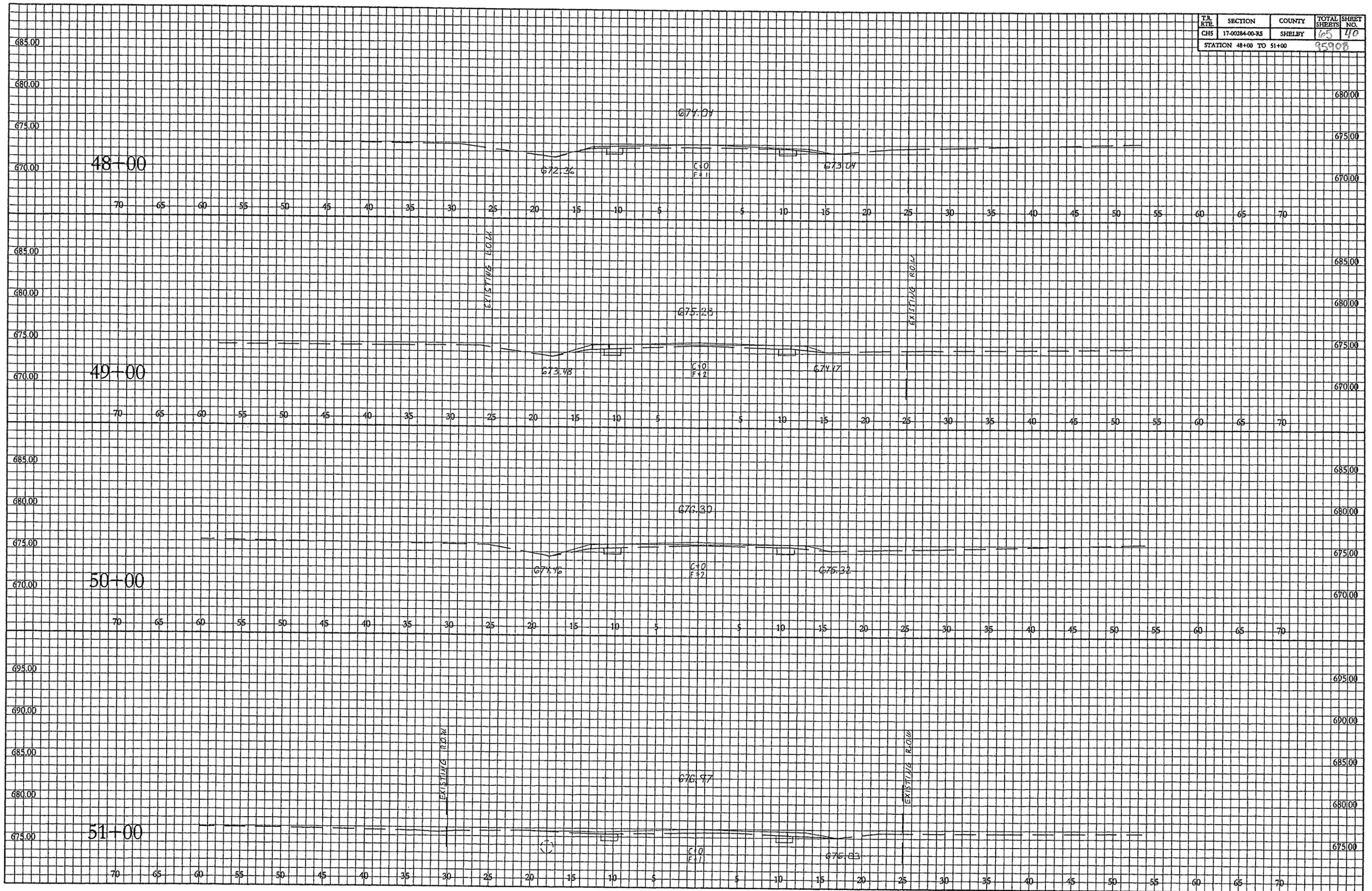
| T.R. RTE               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHREVE | 65           | 38        |
| STATION 40+00 TO 43+00 |                |        | 95908        |           |



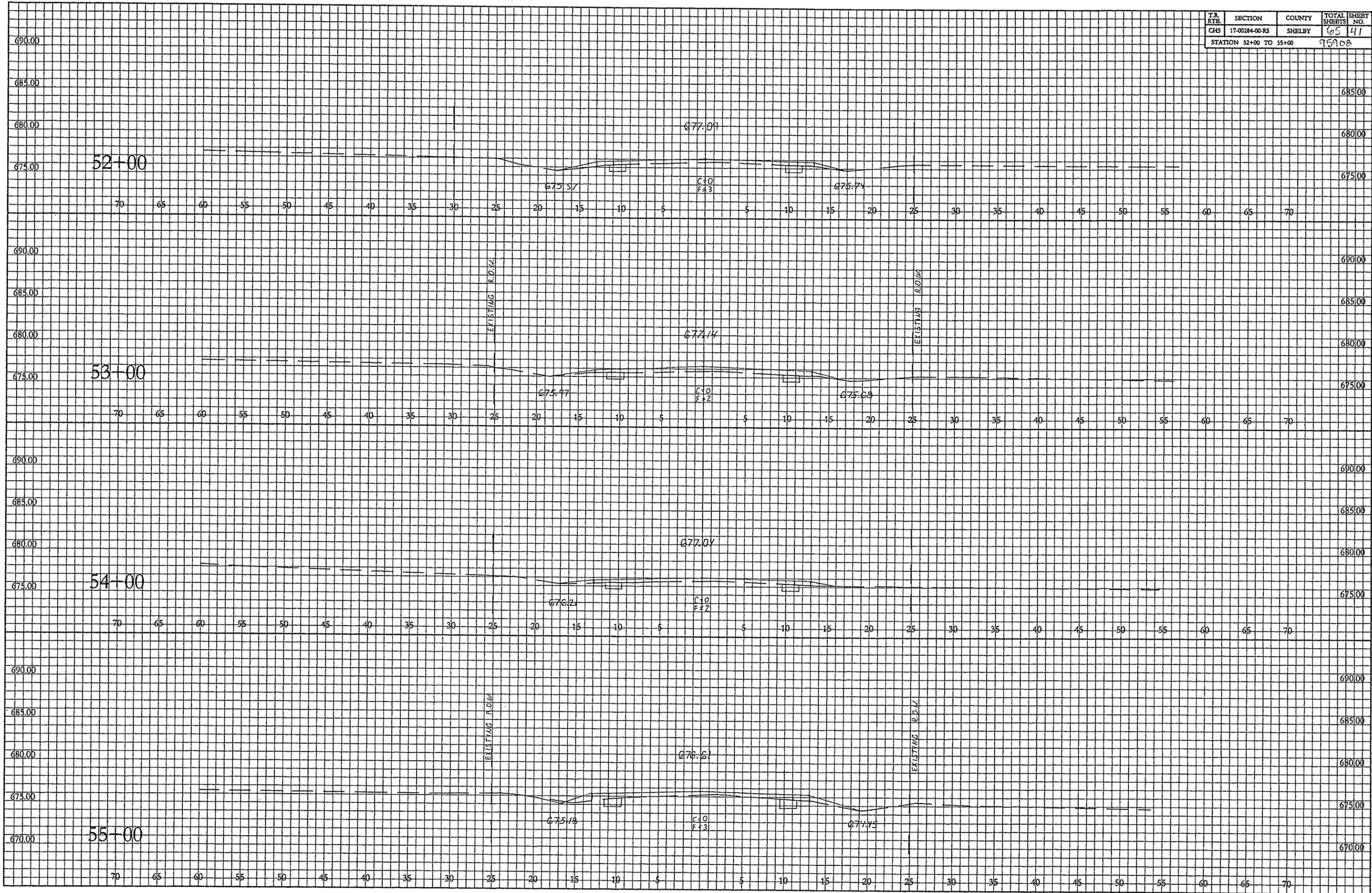
| T.R. NO.               | SECTION        | COUNTY     | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|------------|--------------|-----------|
| CHS                    | 17-00284-00-R5 | SHREVEPORT | 65           | 39        |
| STATION 44+00 TO 47+00 |                |            |              | 95908     |



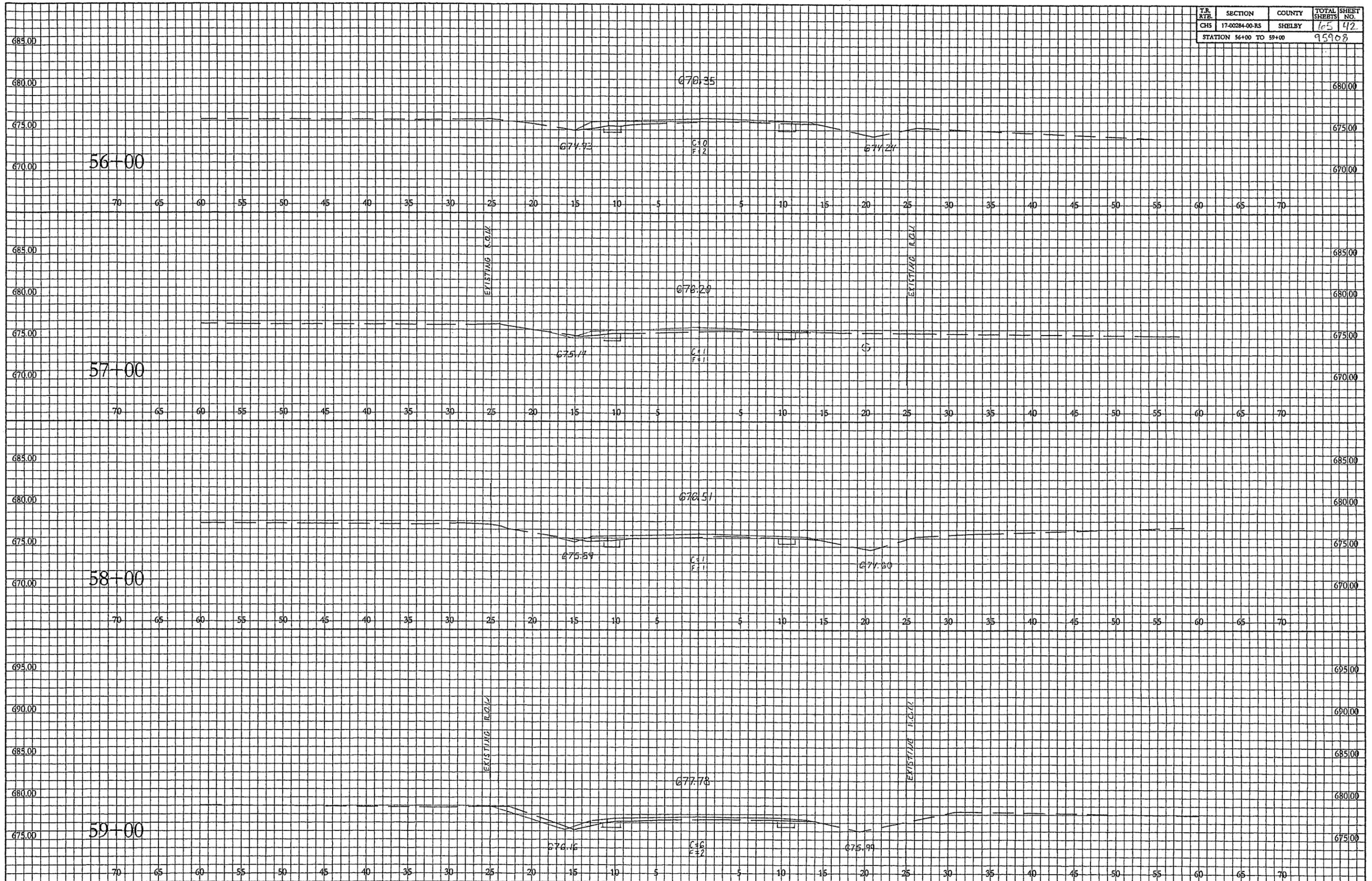
| TR. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-RS | SHELBY | 65           | 110       |
| STATION 48+00 TO 51+00 |                |        | 35908        |           |



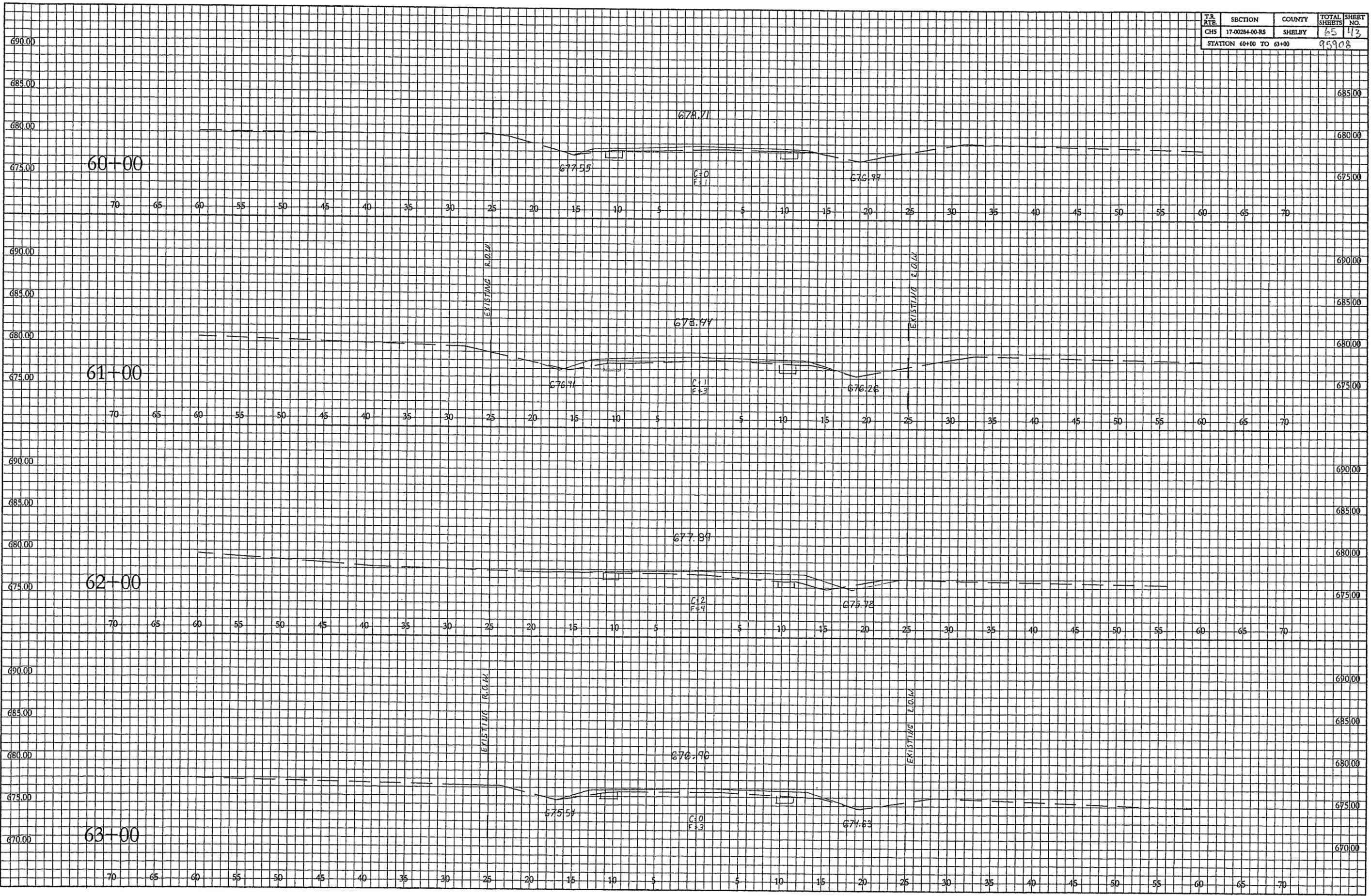
| T.R. RTE               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-R5 | SHELBY | 65           | 41        |
| STATION 52+00 TO 55+00 |                |        |              | 75908     |



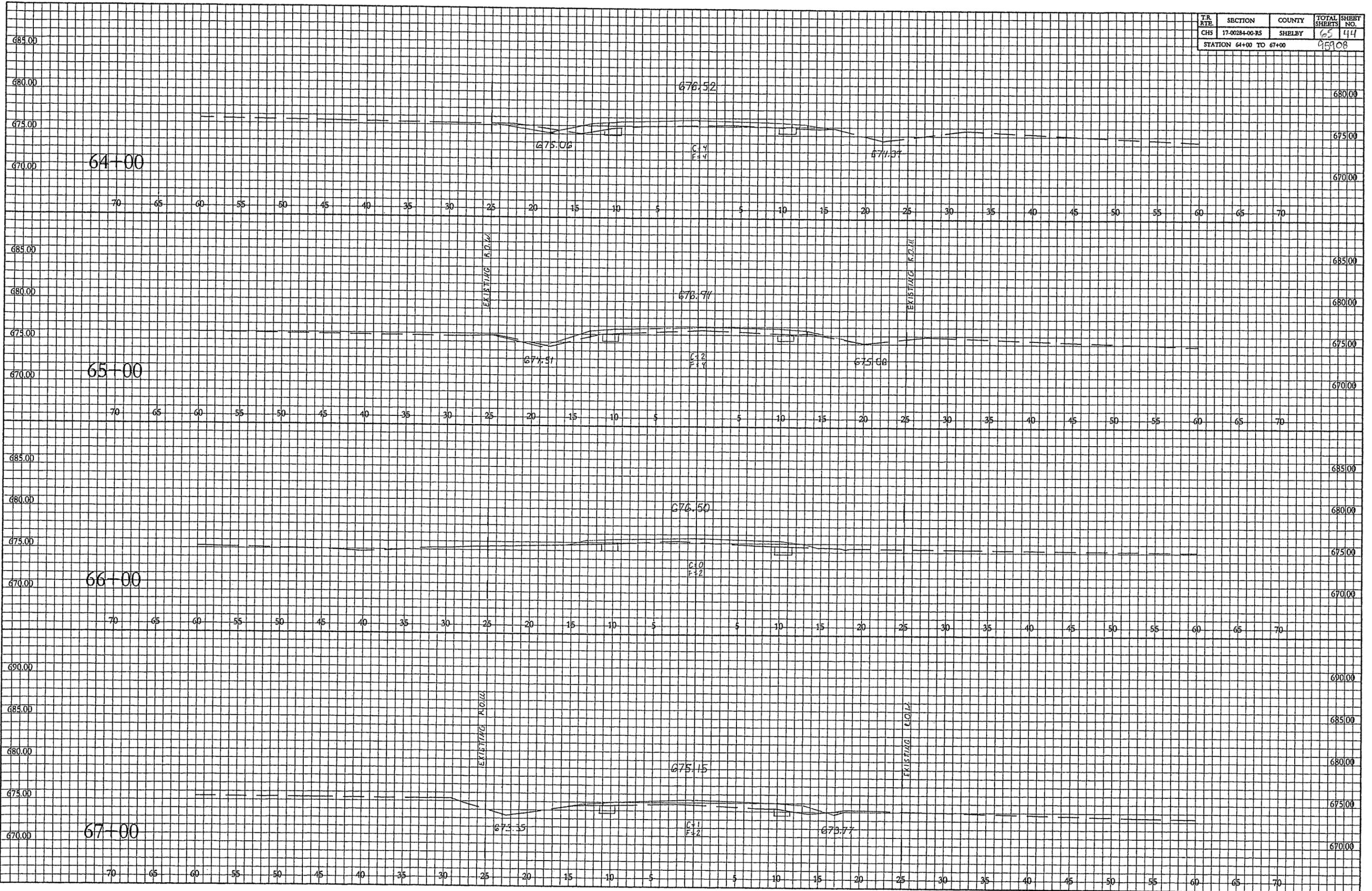
| T.R. RTE.              | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-RS | SHELBY | 165          | 42        |
| STATION 56+00 TO 59+00 |                |        | 95908        |           |



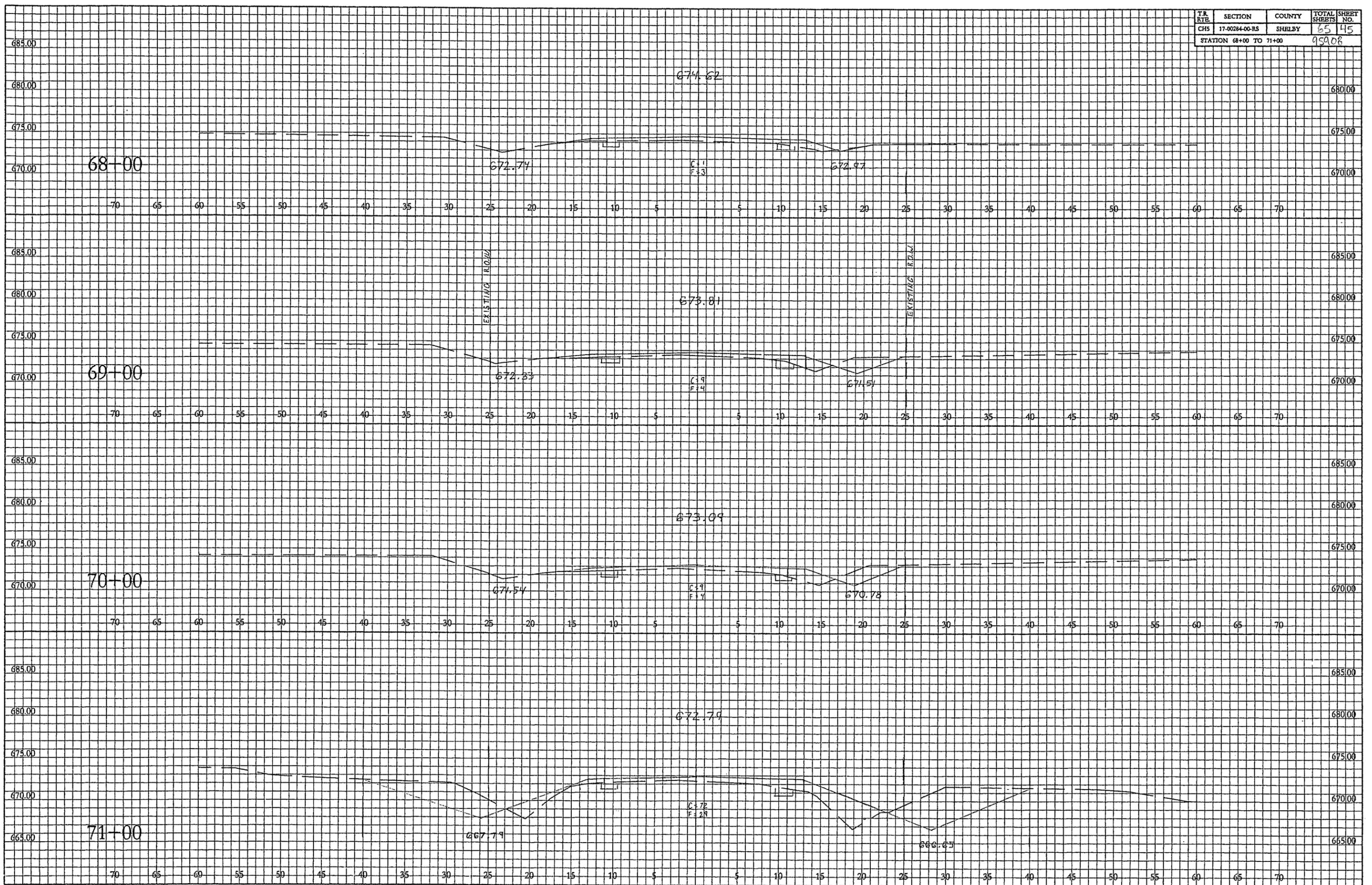
| T.R. NTE               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHELBY | 65           | 43        |
| STATION 60+00 TO 63+00 |                |        | 95908        |           |



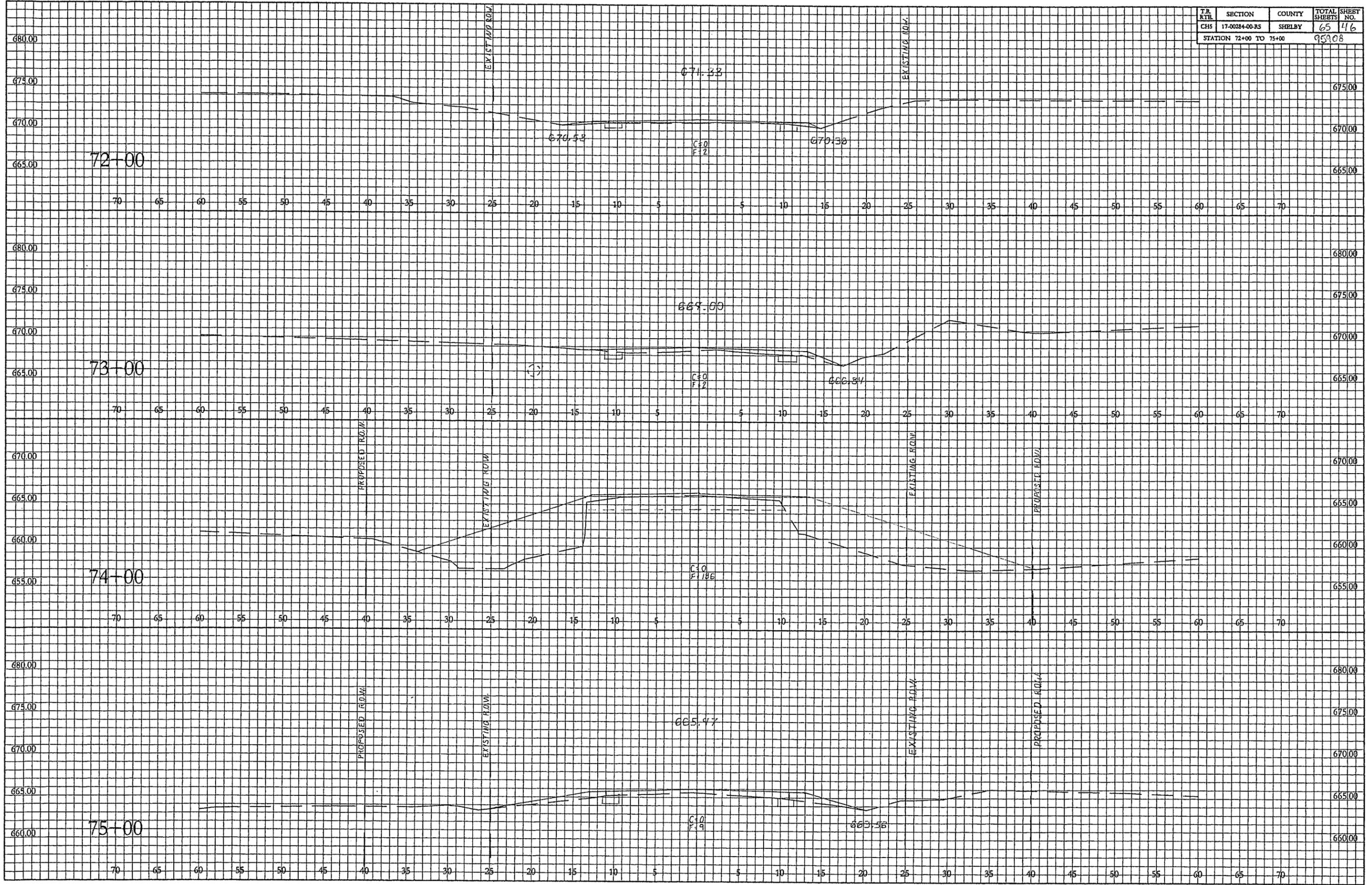
| TR. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-R5 | SHELBY | 65           | 44        |
| STATION 64+00 TO 67+00 |                |        | 95908        |           |



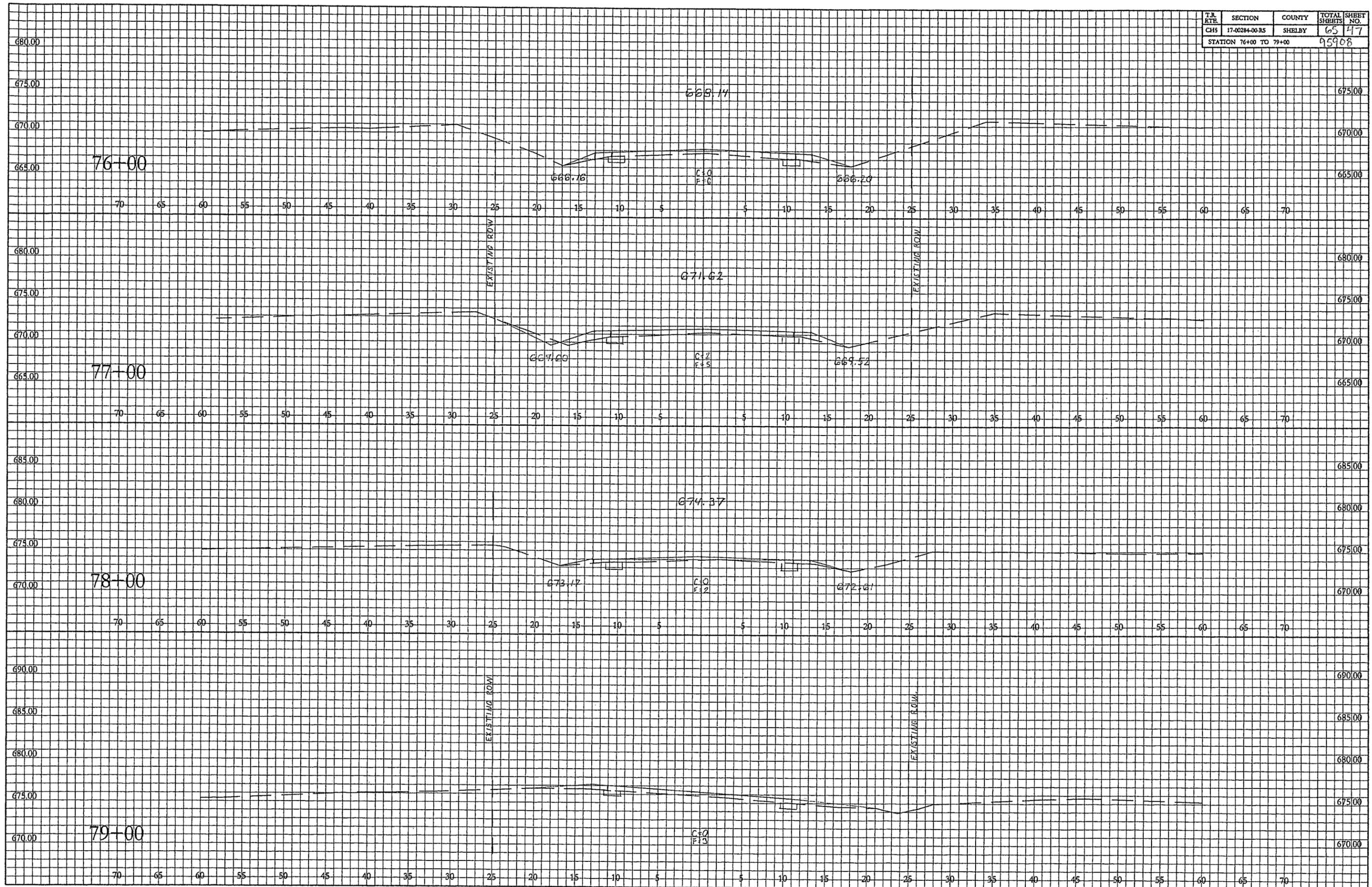
| TR. RTE.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHELBY | 65           | 45        |
| STATION 68+00 TO 71+00 |                |        | 95908        |           |



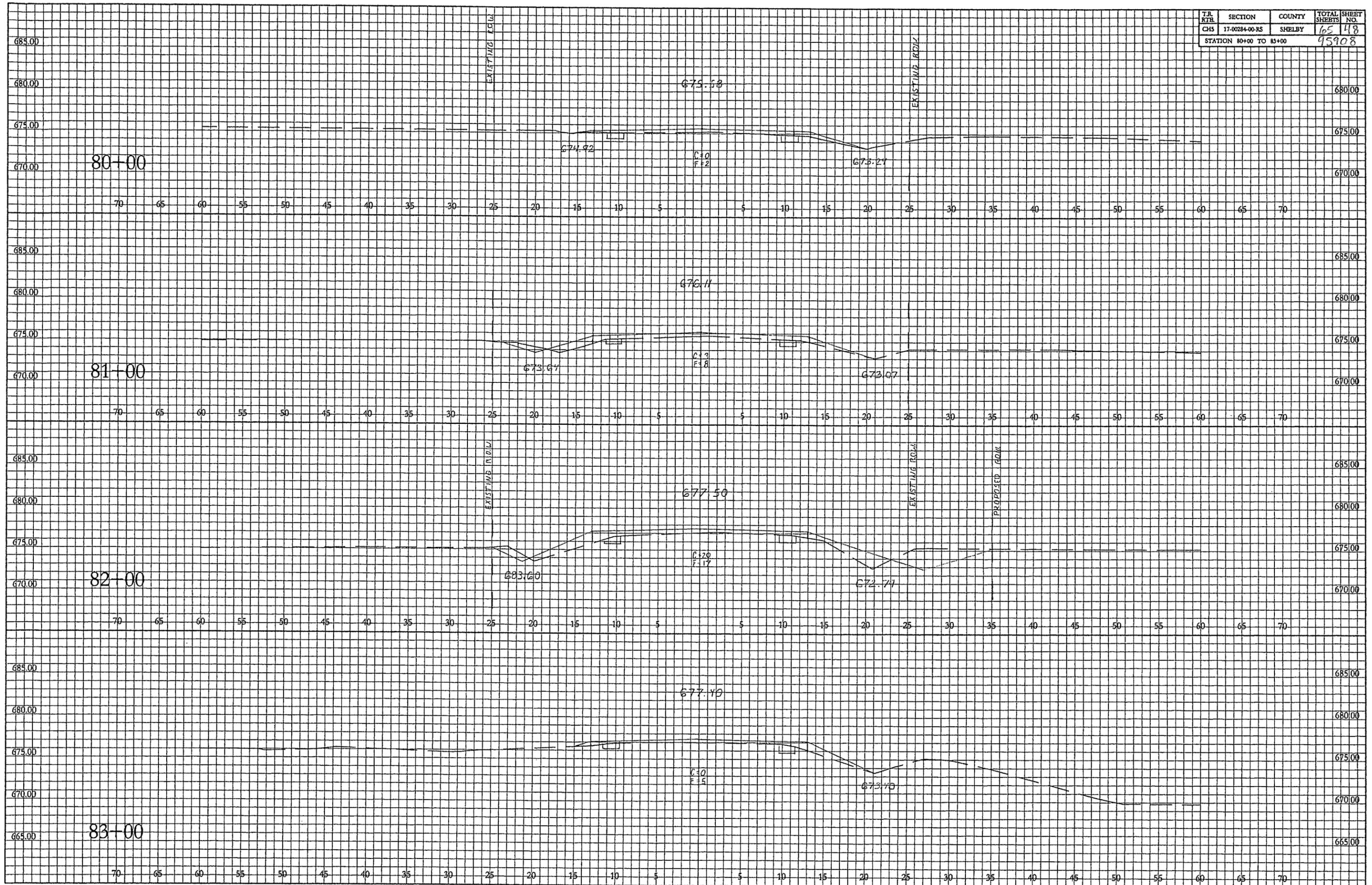
| T.R. NO.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-RS | SHELBY | 65           | 46        |
| STATION 72+00 TO 75+00 |                |        | 95908        |           |



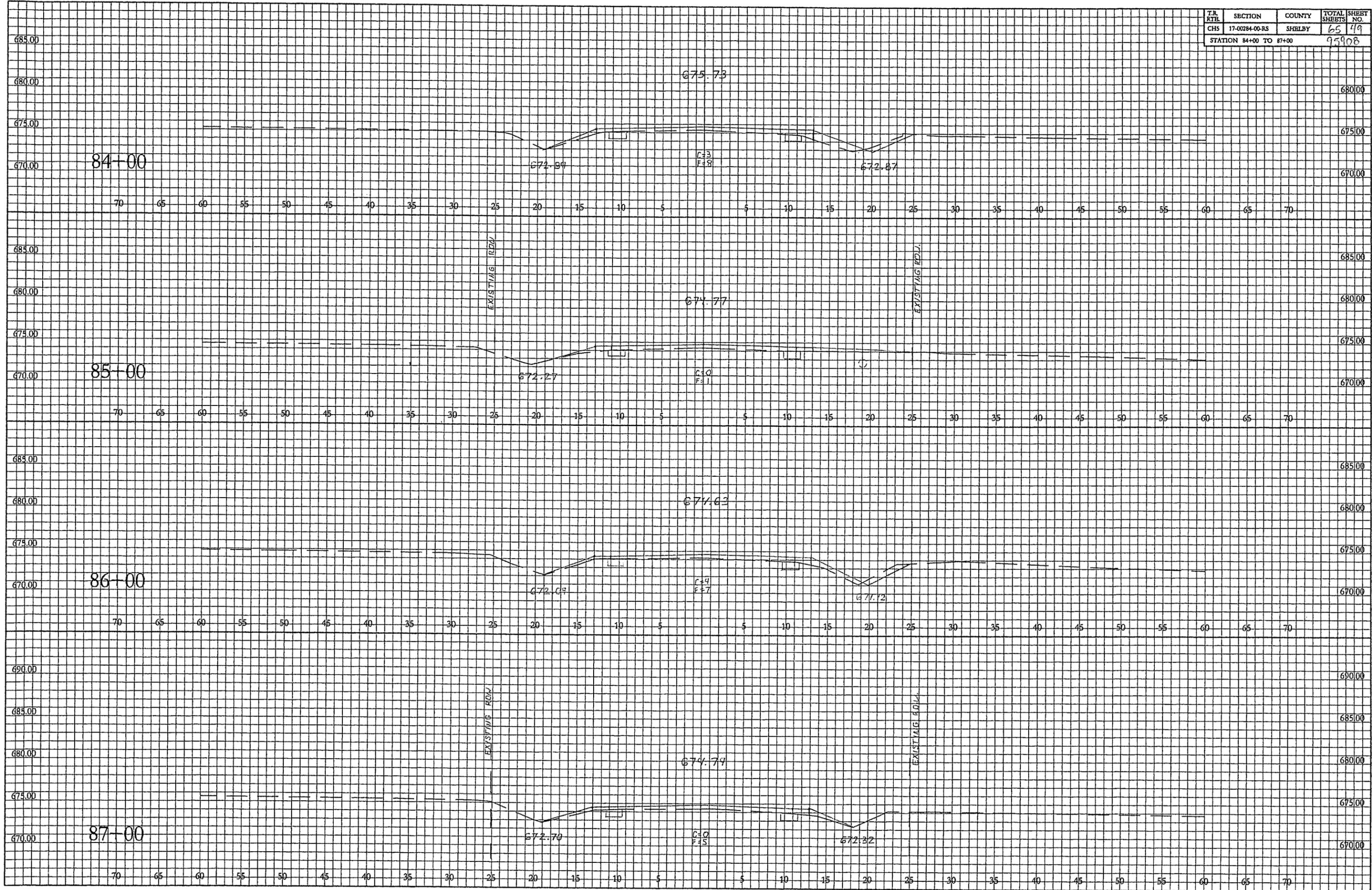
| T.R. RTE               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-R5 | SHELBY | 65           | 47        |
| STATION 76+00 TO 79+00 |                |        |              | 95908     |



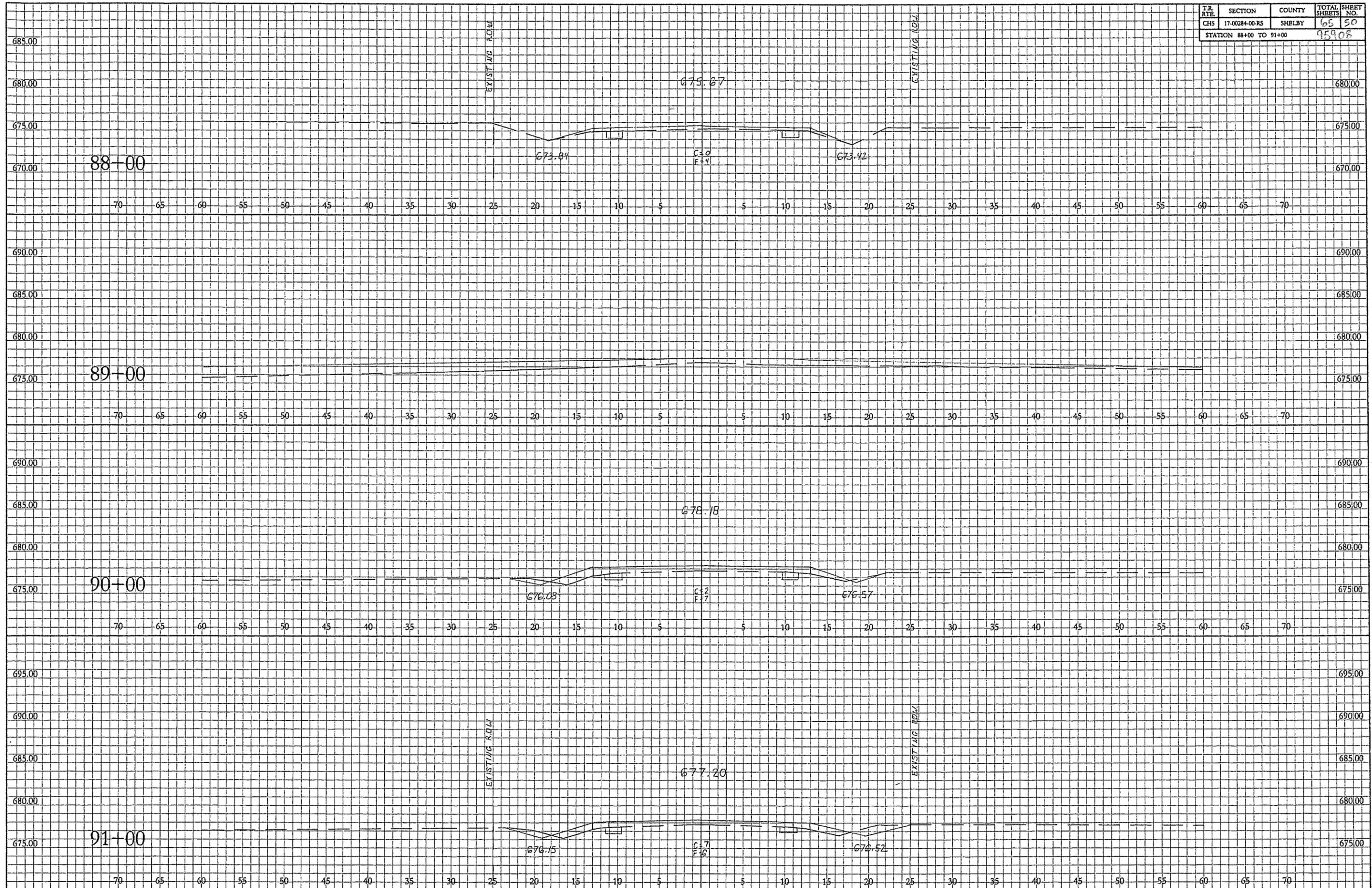
| T.R.                   | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-RS | SHELBY | 165          | 118       |
| STATION 80+00 TO 83+00 |                |        |              | 95908     |



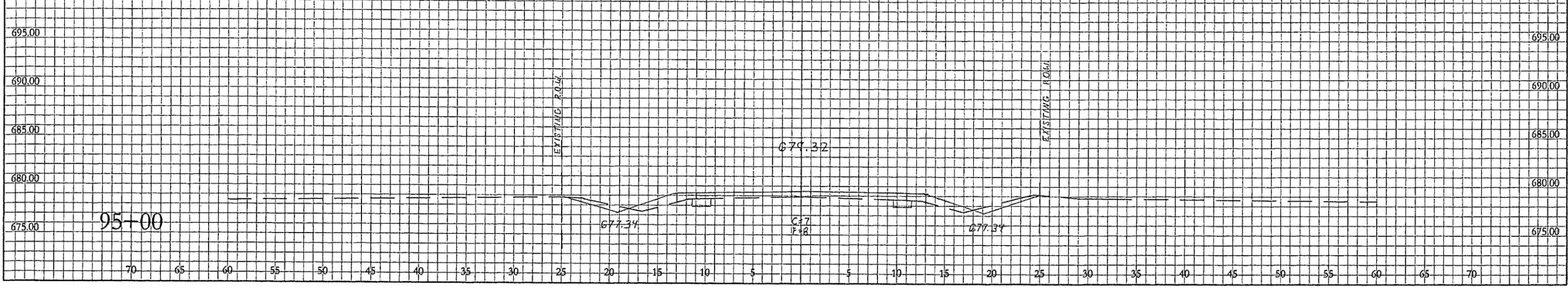
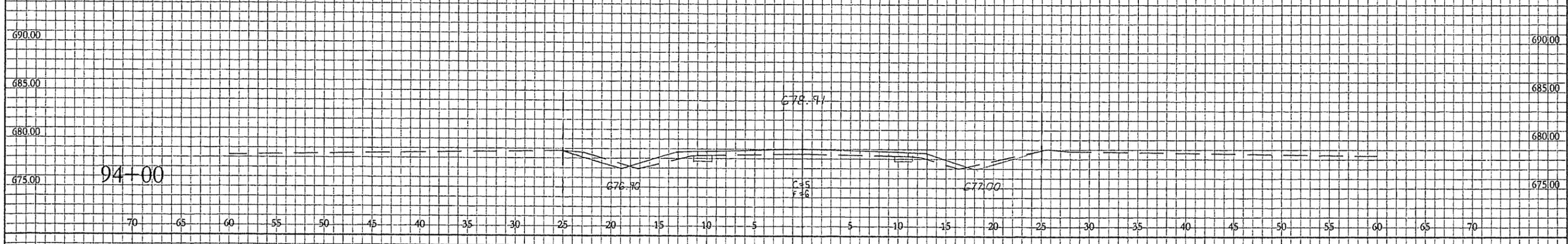
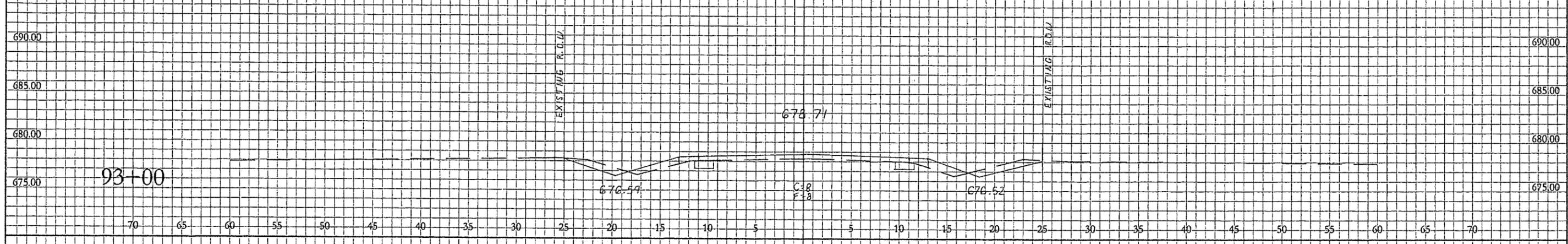
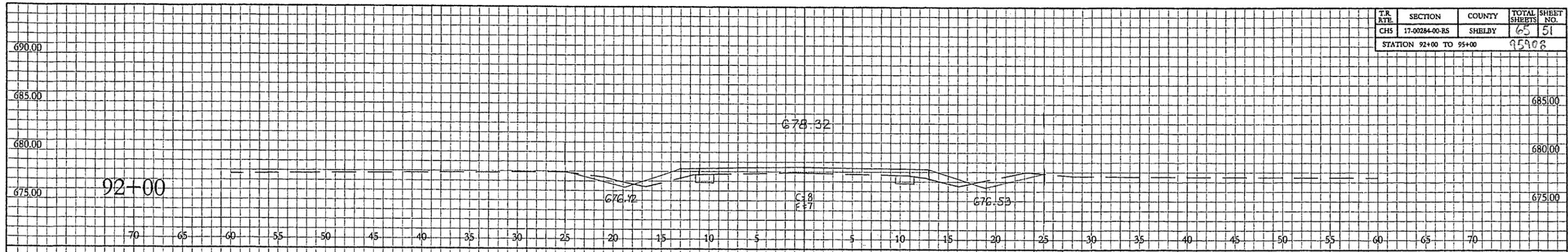
| T.R. RTB               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-RS | SHELBY | 65           | 49        |
| STATION 84+00 TO 87+00 |                |        |              | 95908     |



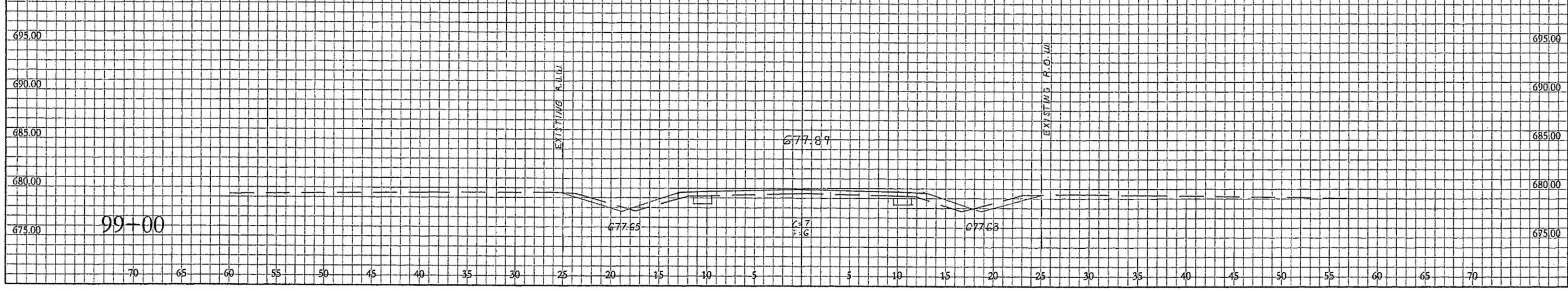
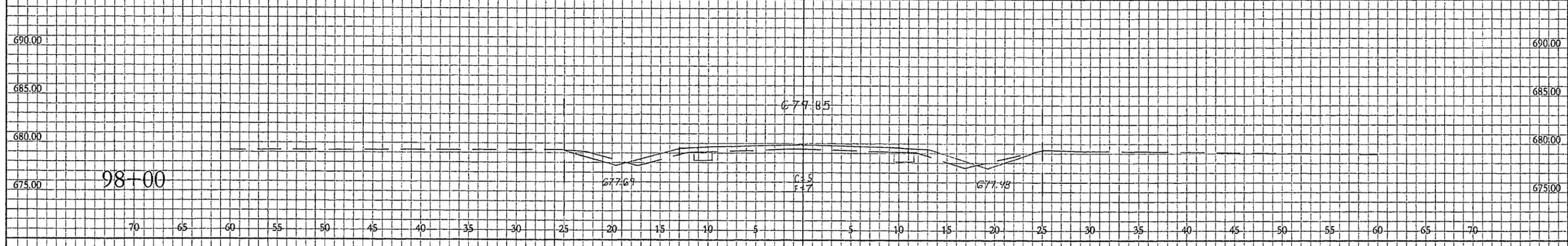
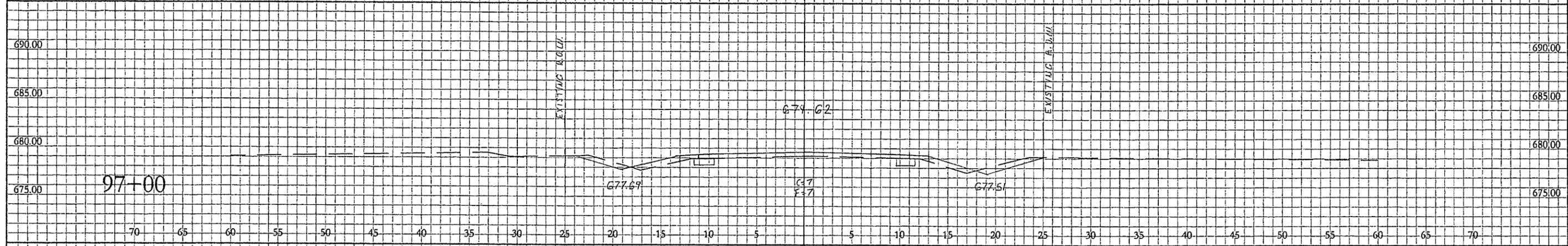
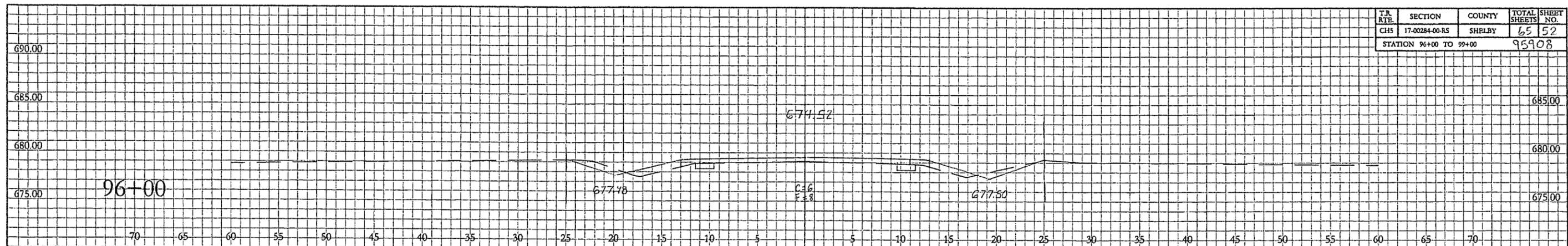
| TR. RTE.               | SECTION        | COUNTY | TOTAL SHEET NO. |
|------------------------|----------------|--------|-----------------|
| CH5                    | 17-00284-00-RS | SHELBY | 65 50           |
| STATION 88+00 TO 91+00 |                |        | 95908           |



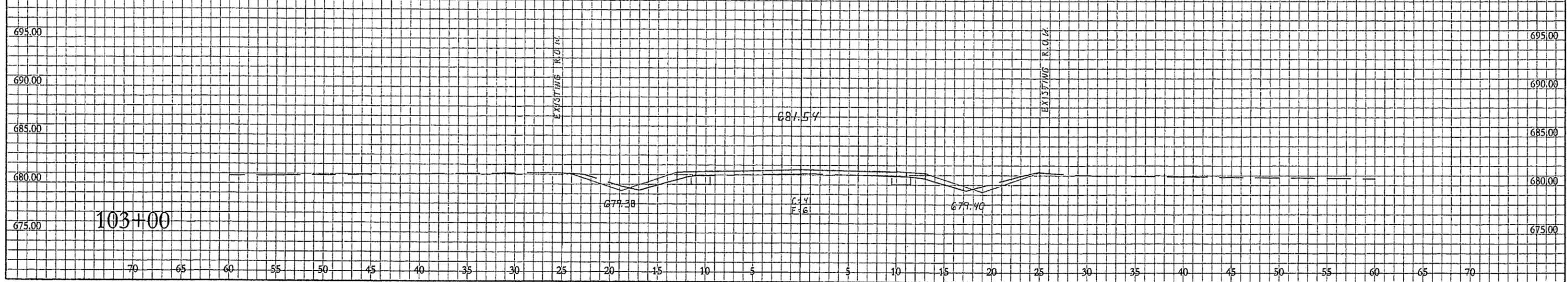
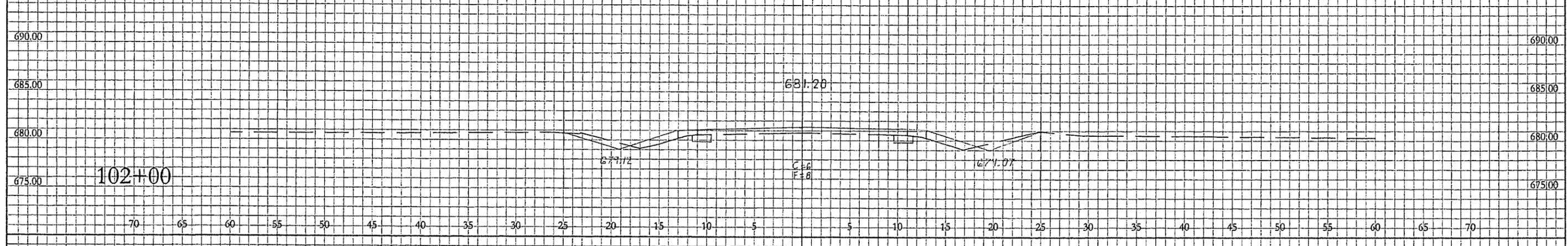
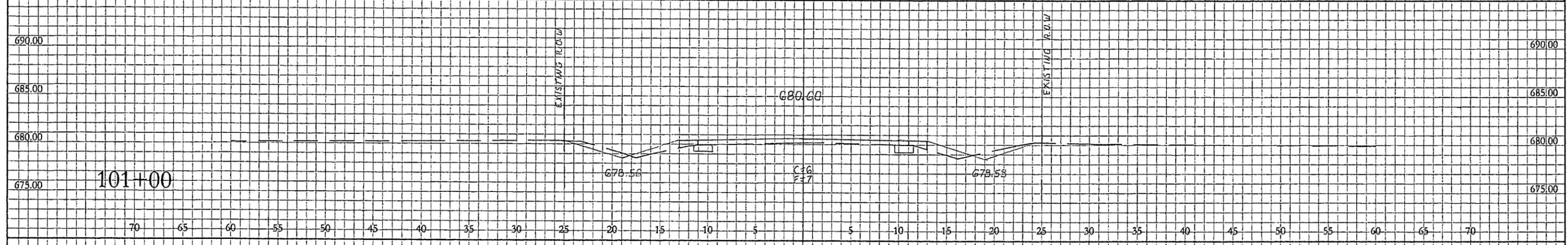
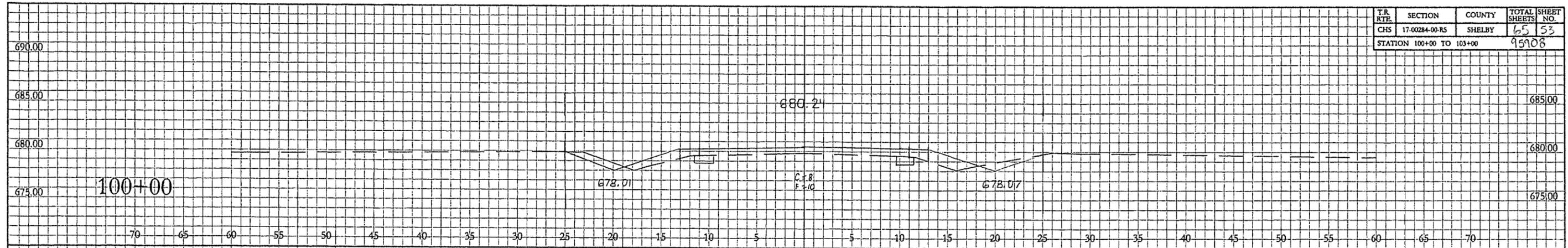
| T.R. NO.               | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CHS                    | 17-00284-00-RS | SHELBY | 65           | 51        |
| STATION 92+00 TO 95+00 |                |        |              | 95908     |



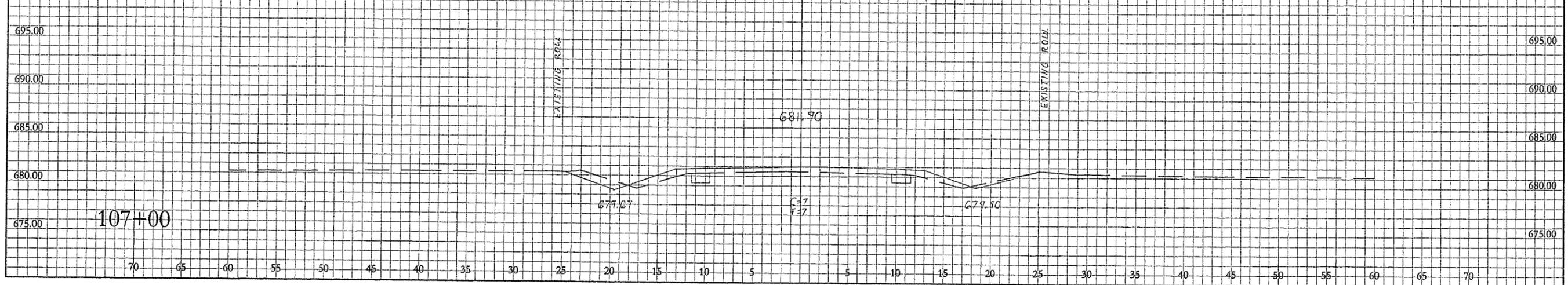
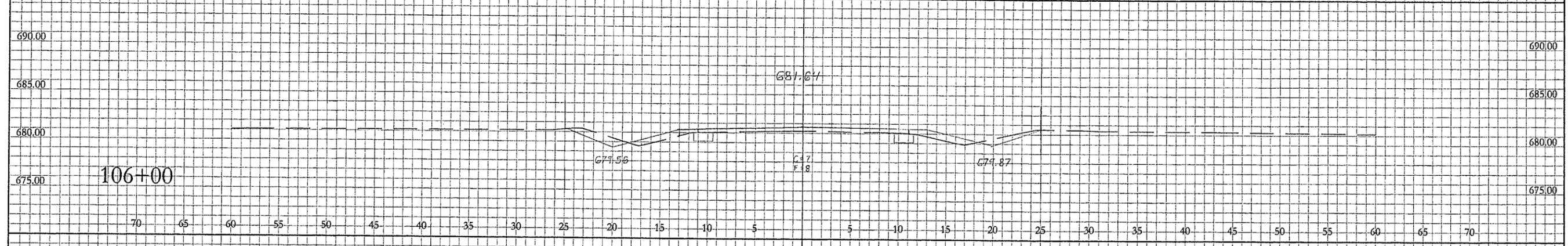
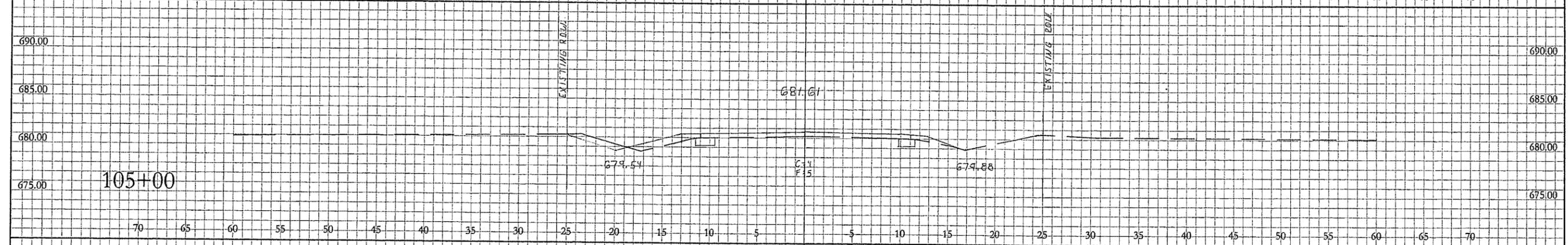
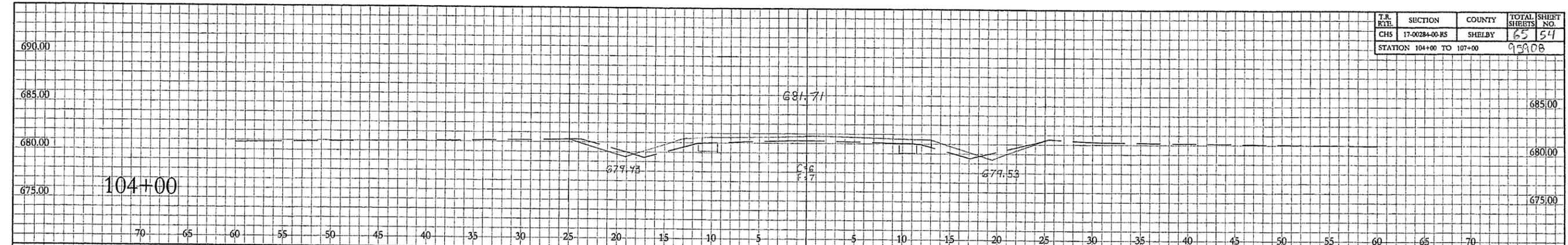
| T.R. RTE.              | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|------------------------|----------------|--------|--------------|-----------|
| CH5                    | 17-00284-00-RS | SHELBY | 65           | 52        |
| STATION 96+00 TO 99+00 |                |        | 95908        |           |



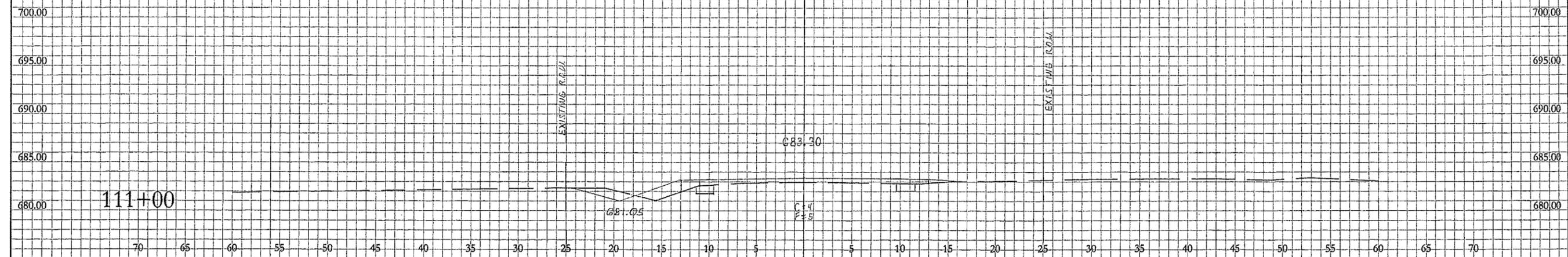
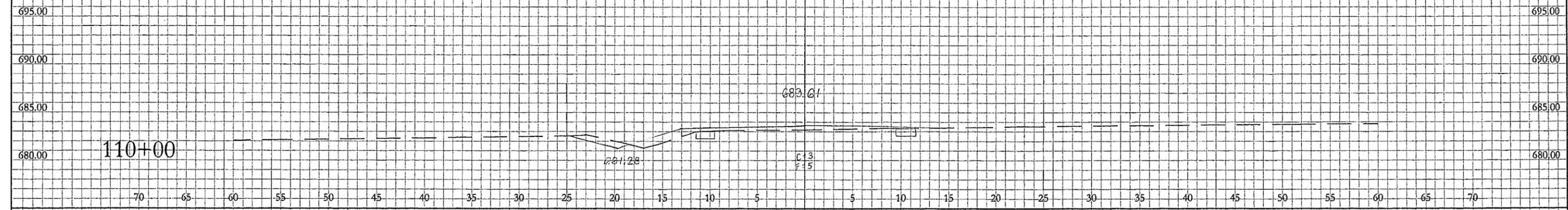
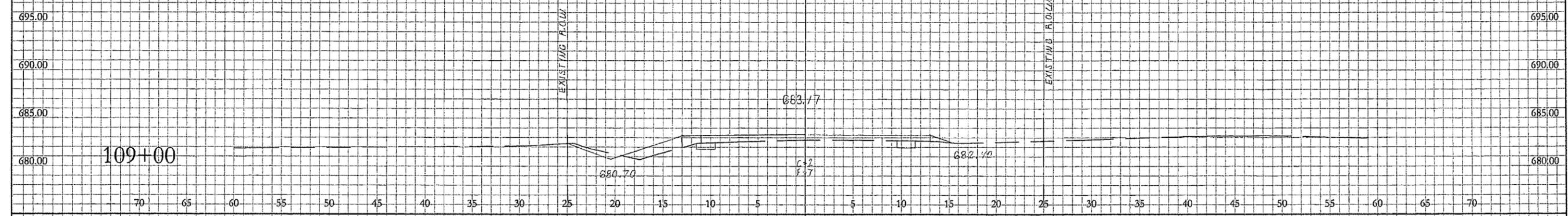
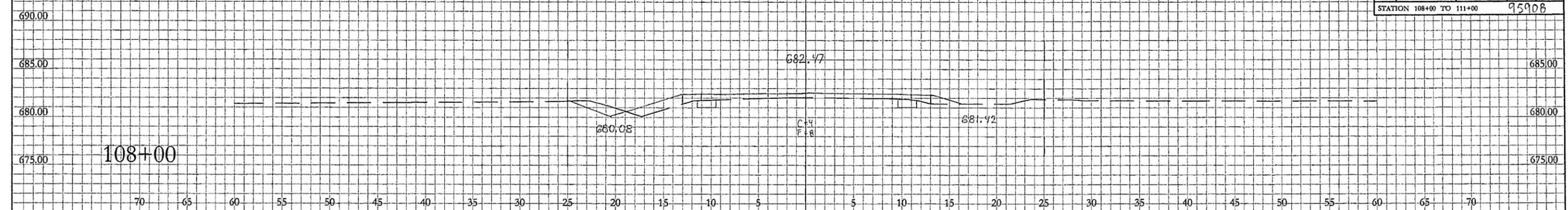
| T/R                      | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CHS                      | 17-00284-00-RS | SHELBY | 65           | 53        |
| STATION 100+00 TO 103+00 |                |        | 95908        |           |



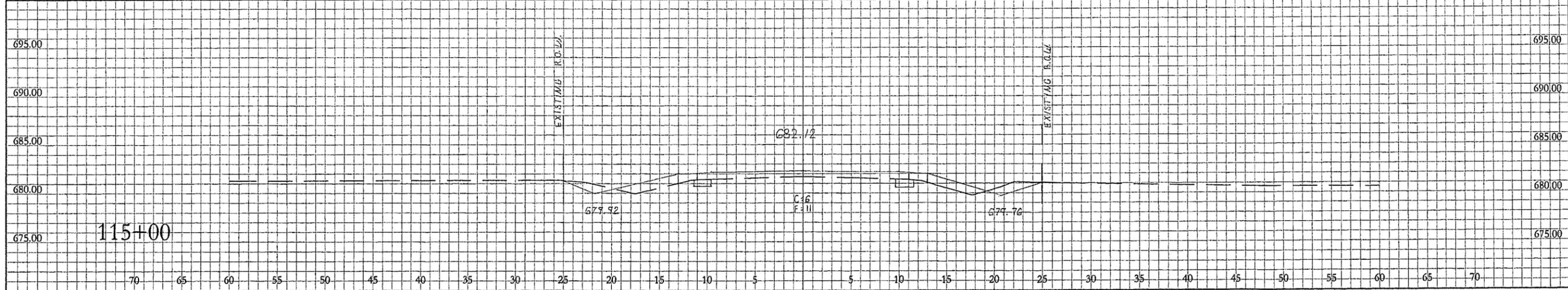
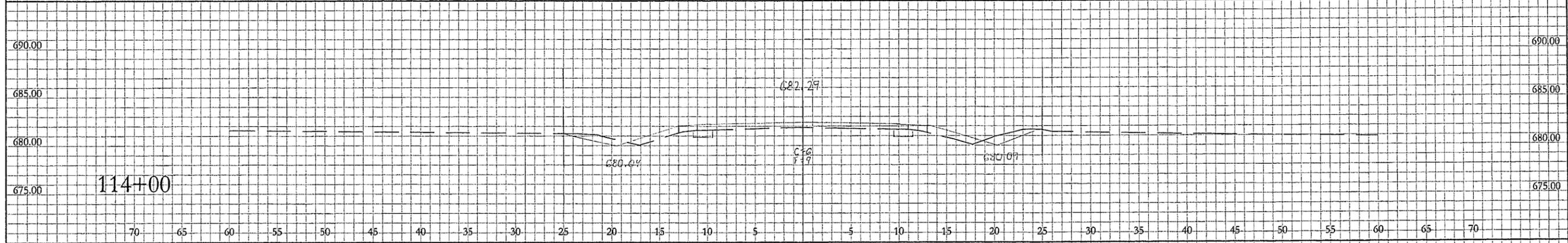
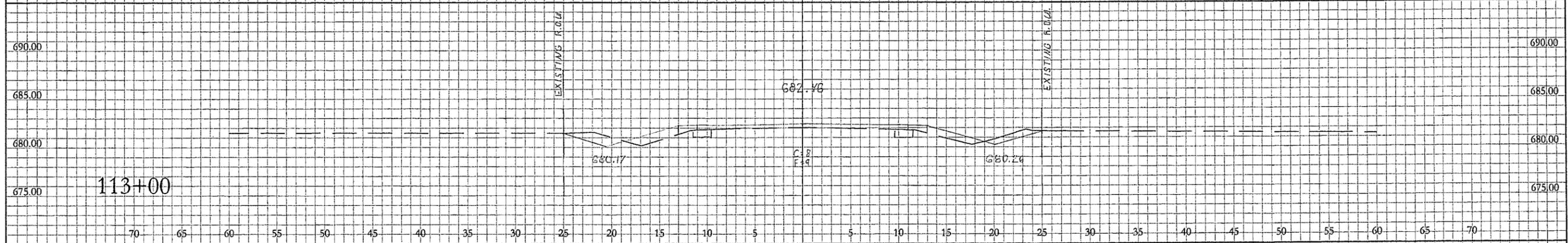
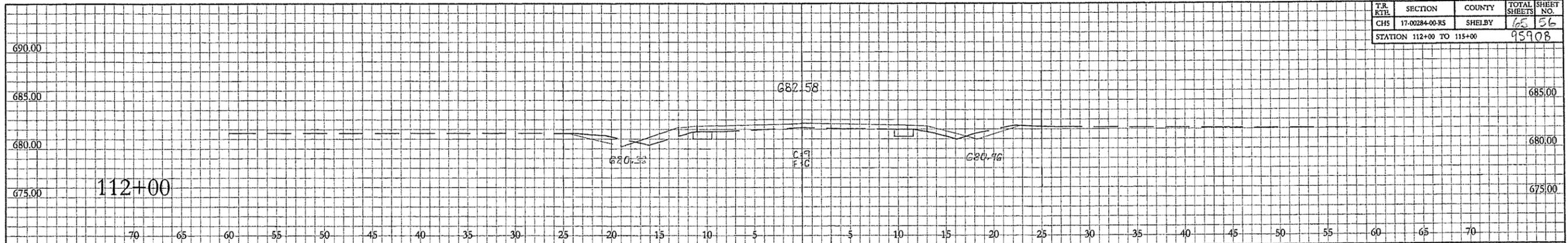
| T.R. RITE                | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-RS | SHELBY | 65           | 54        |
| STATION 104+00 TO 107+00 |                |        |              | 95908     |



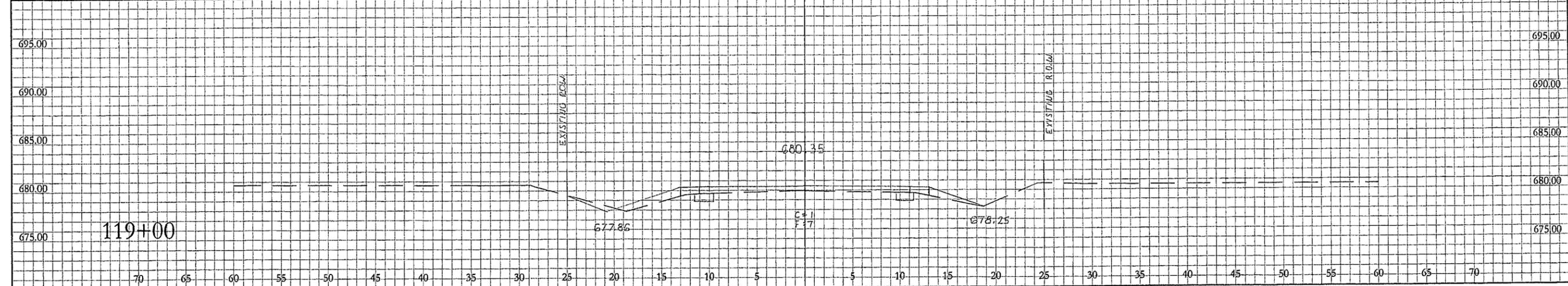
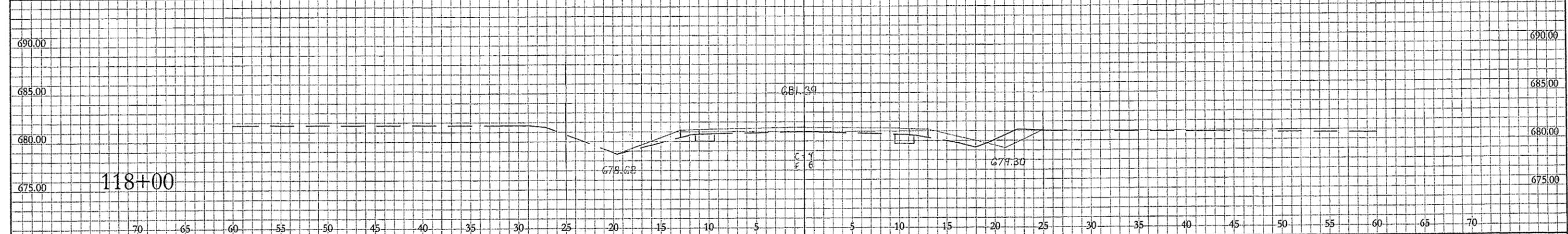
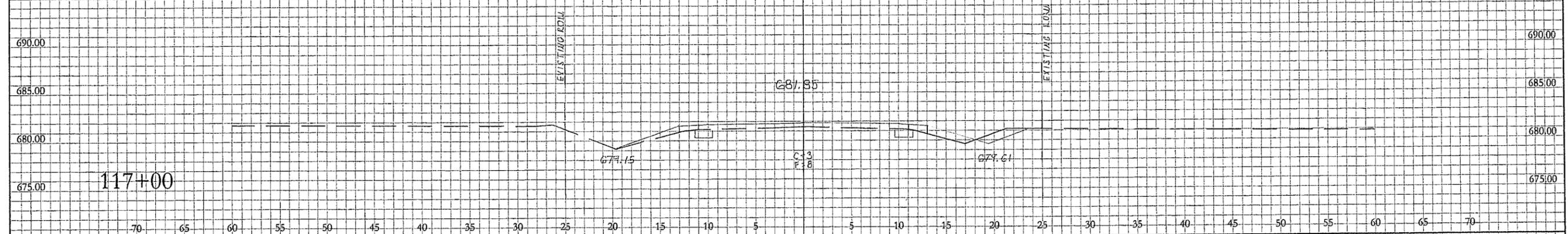
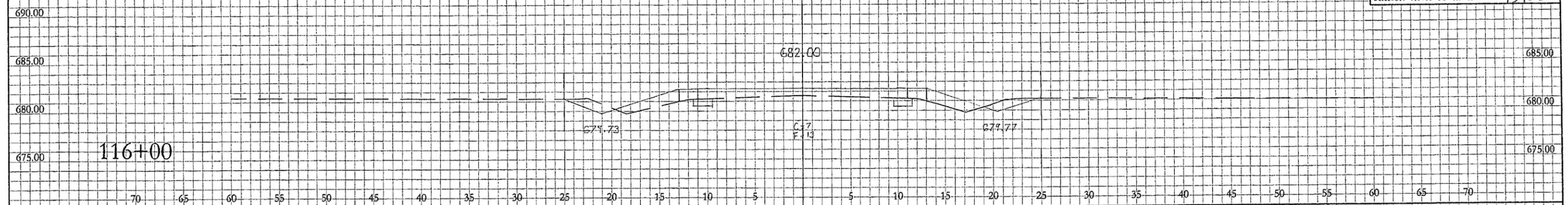
| T.R. RTE                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CHS                      | 17-00284-00-RS | SHELBY | 65           | 55        |
| STATION 108+00 TO 111+00 |                |        |              | 95908     |



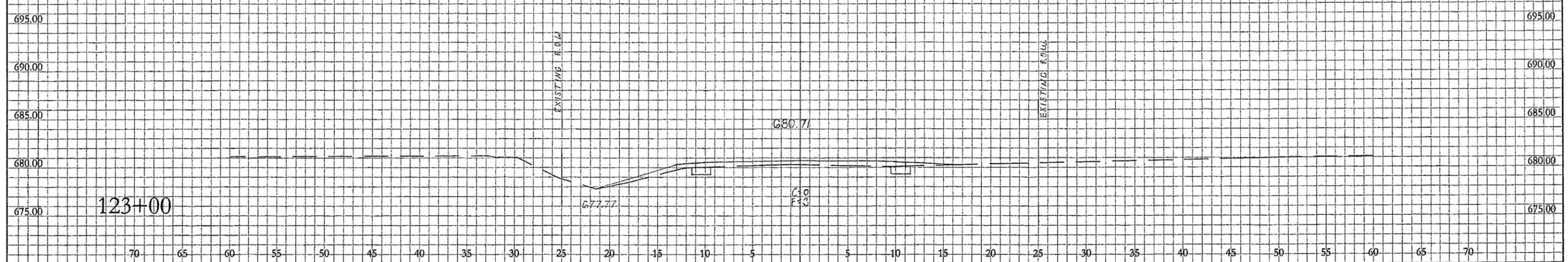
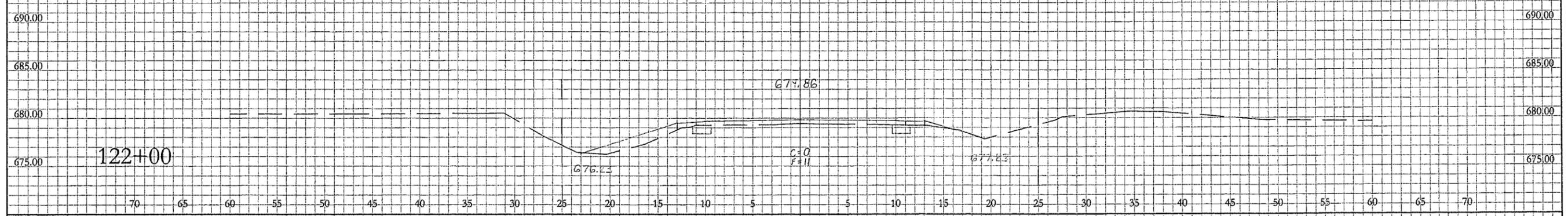
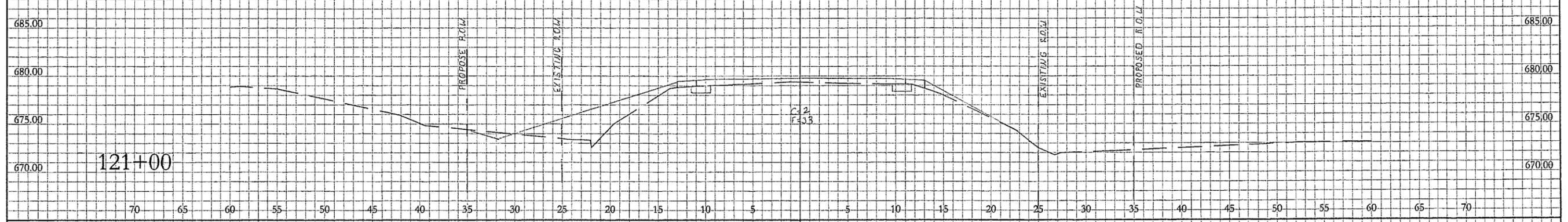
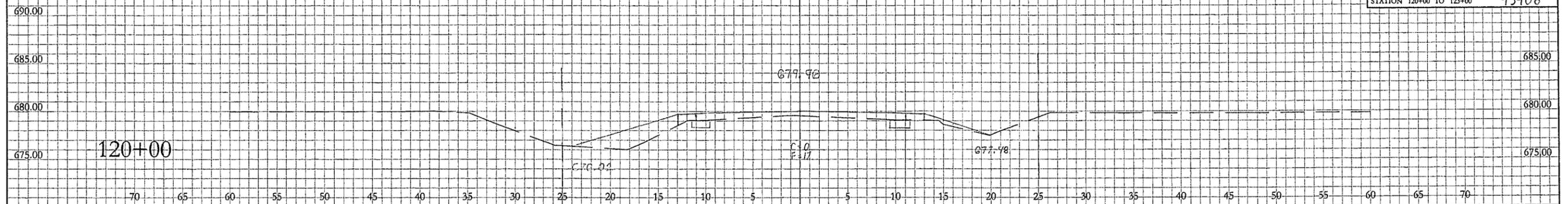
| T.R. RT#                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CHS                      | 17-00284-00-RS | SHELBY | 165          | 56        |
| STATION 112+00 TO 115+00 |                |        | 95908        |           |



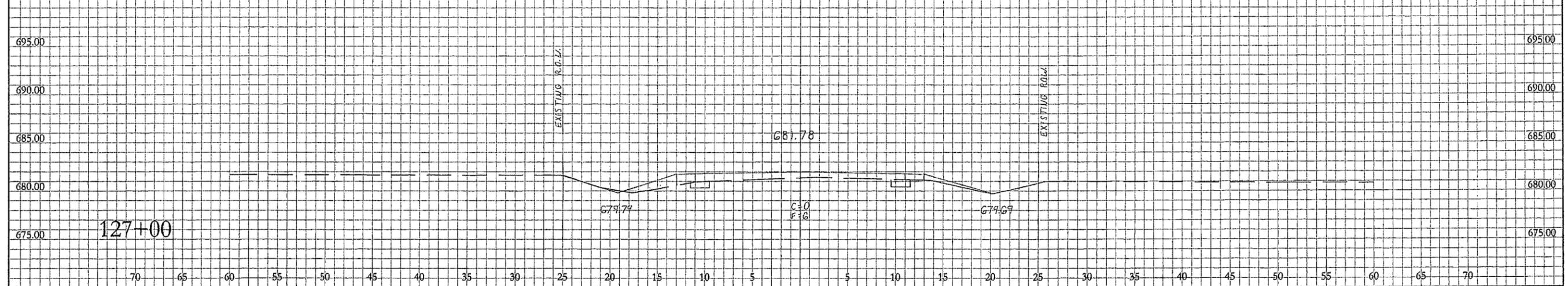
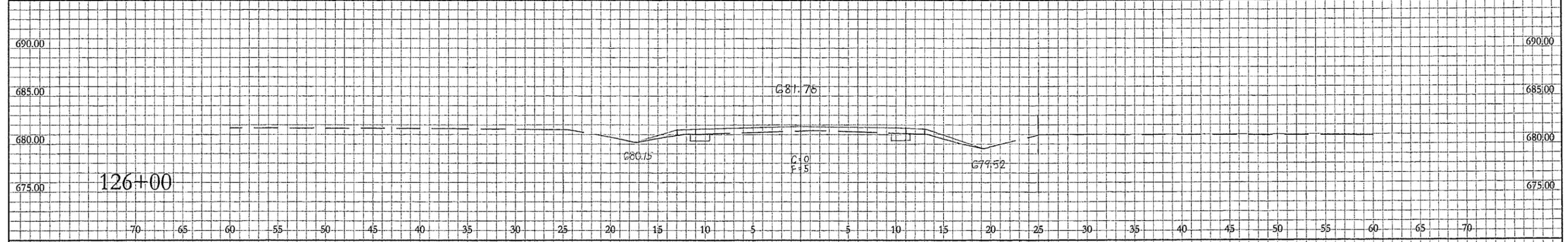
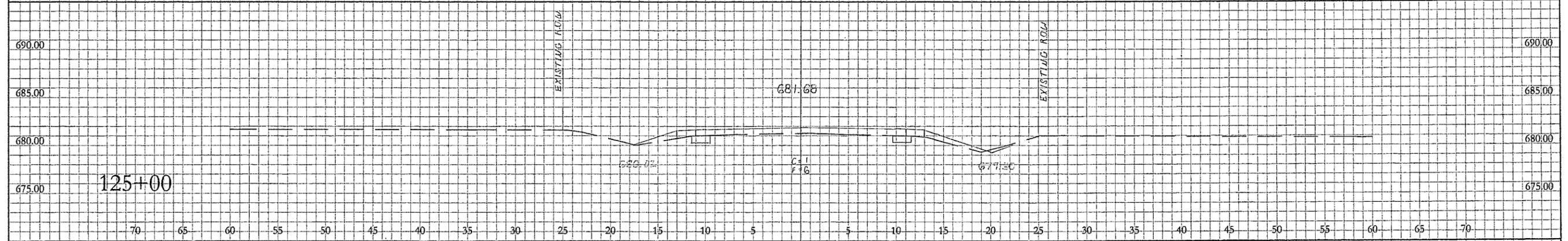
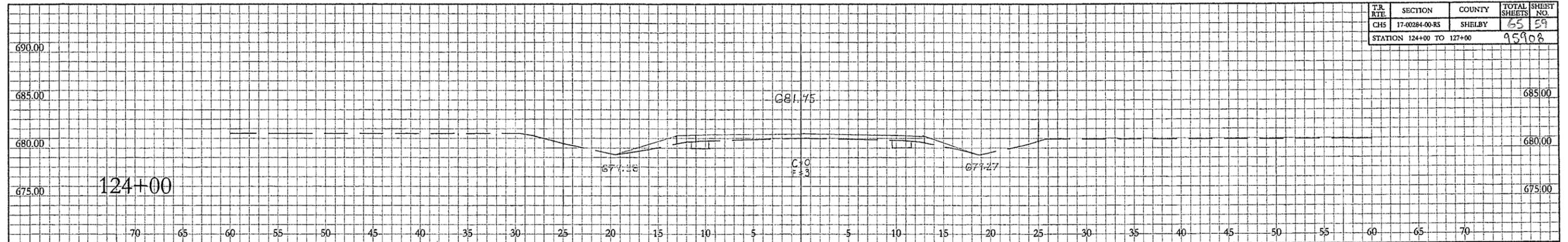
| T.R. RTE.                | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-R5 | SHELBY | 65           | 57        |
| STATION 116+00 TO 119+00 |                |        | 95908        |           |



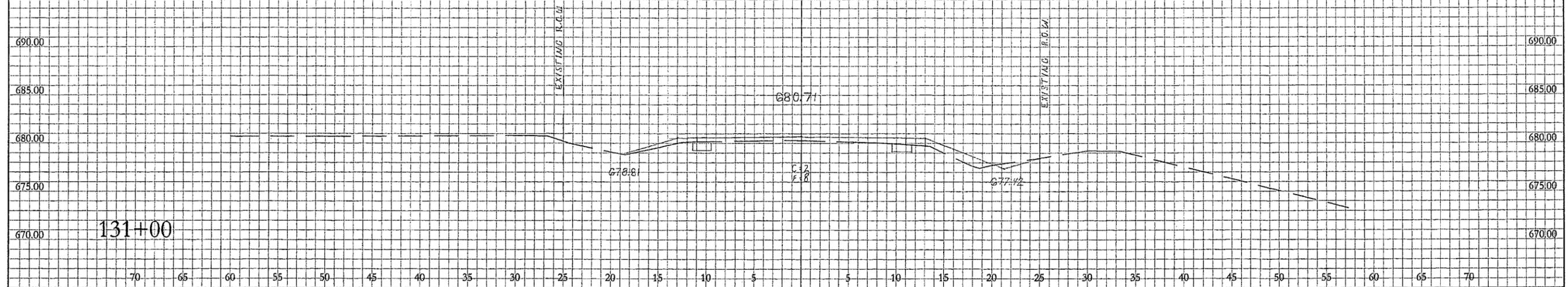
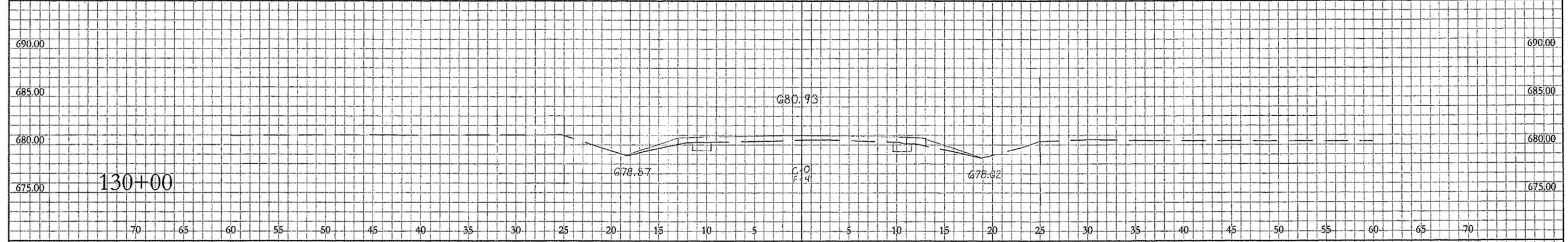
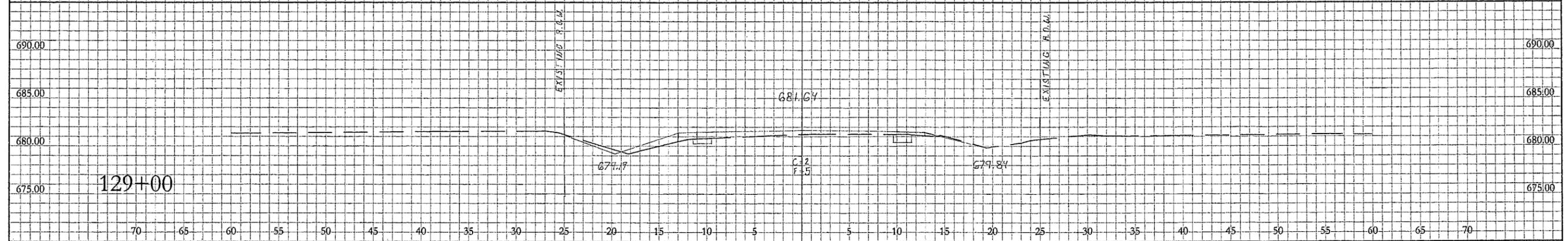
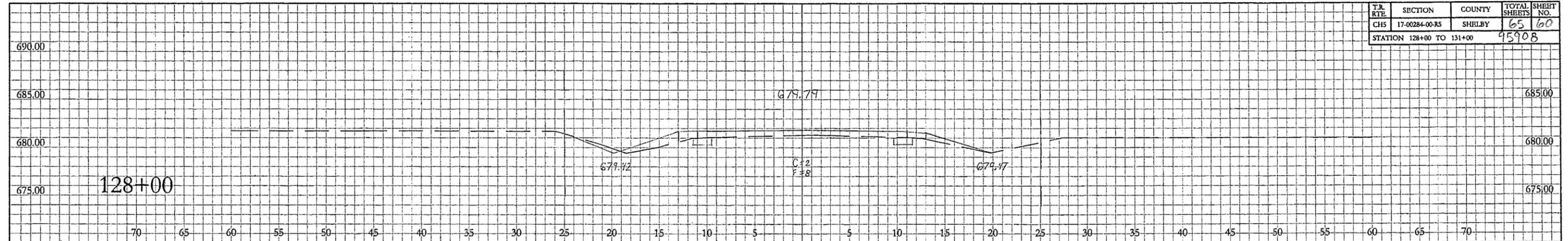
| T.R. NO.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-RS | SHELBY | 65           | 58        |
| STATION 120+00 TO 123+00 |                |        | 95908        |           |



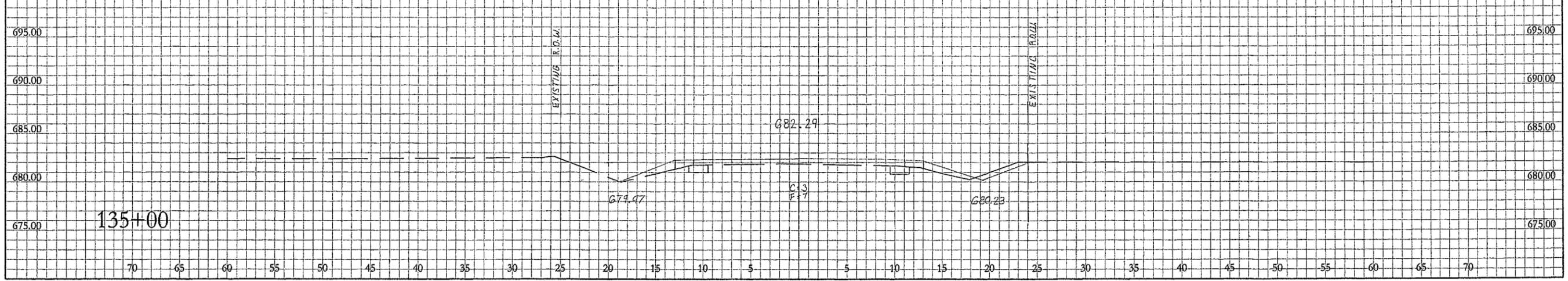
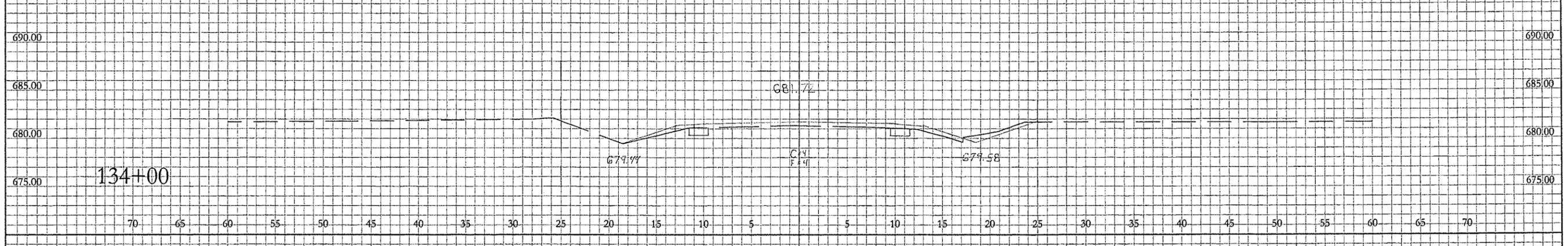
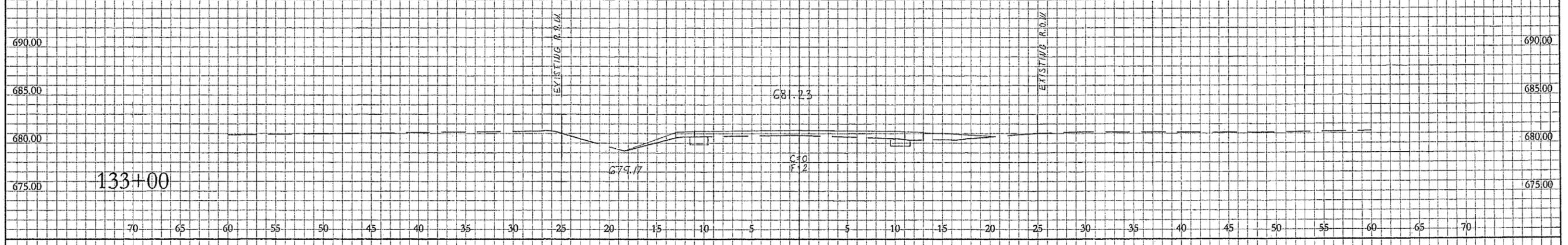
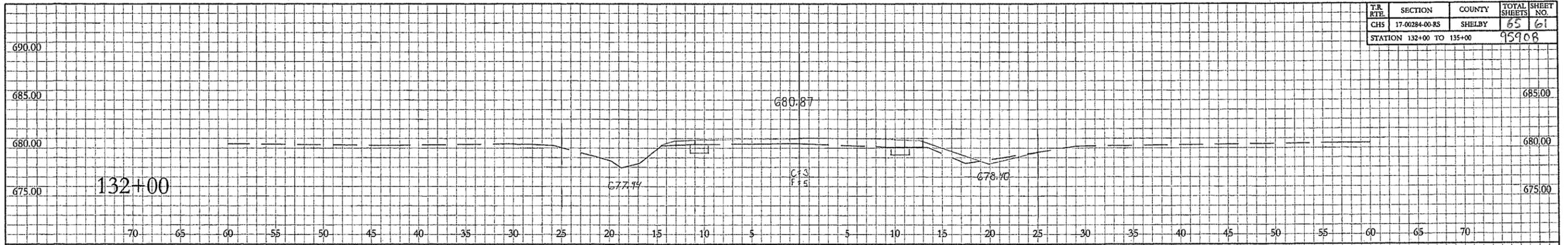
| T.R. RTE                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-RS | SHRLEY | 65           | 59        |
| STATION 124+00 TO 127+00 |                |        | 95908        |           |



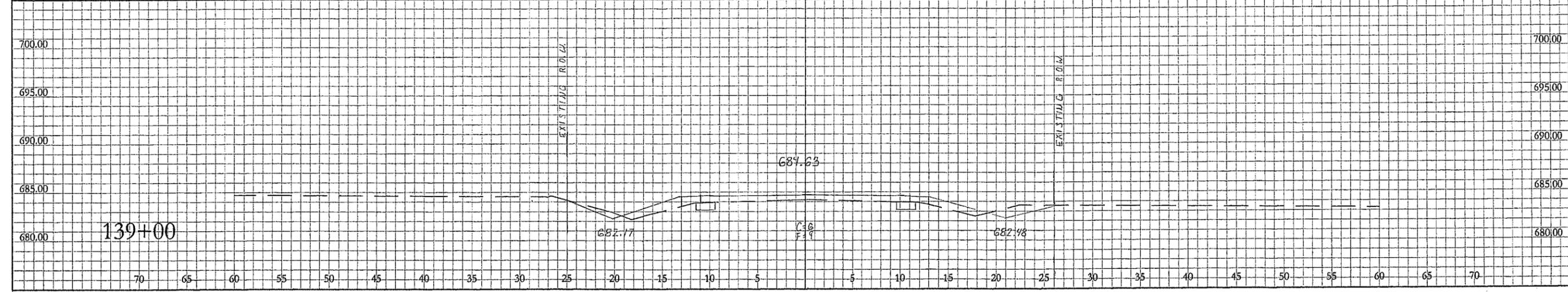
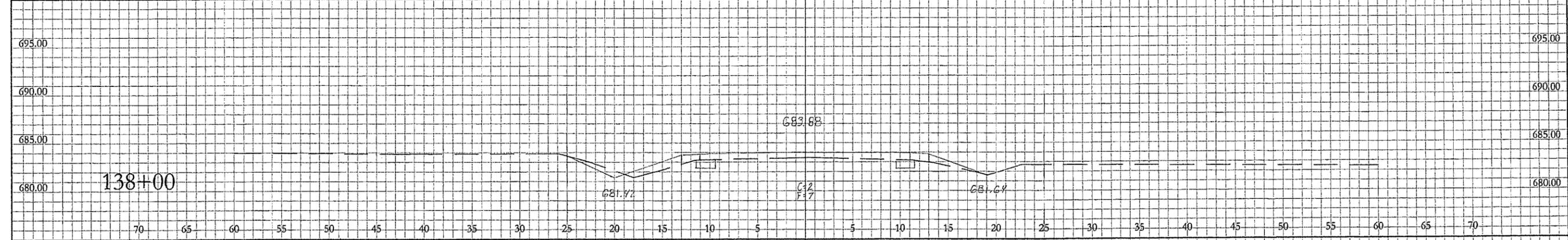
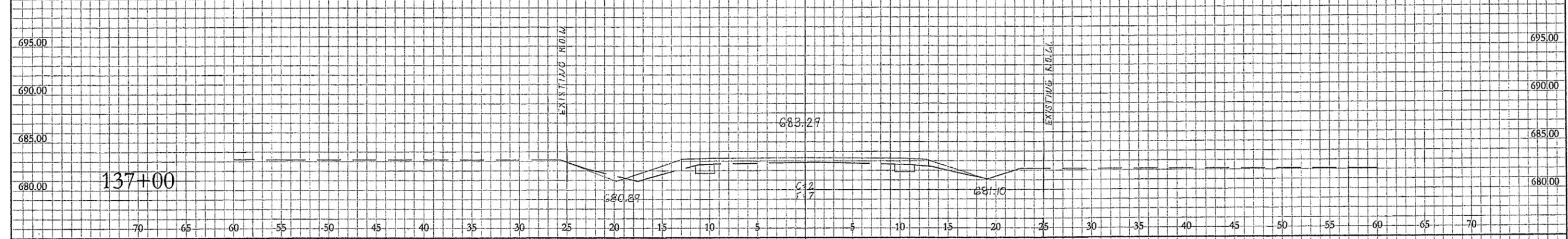
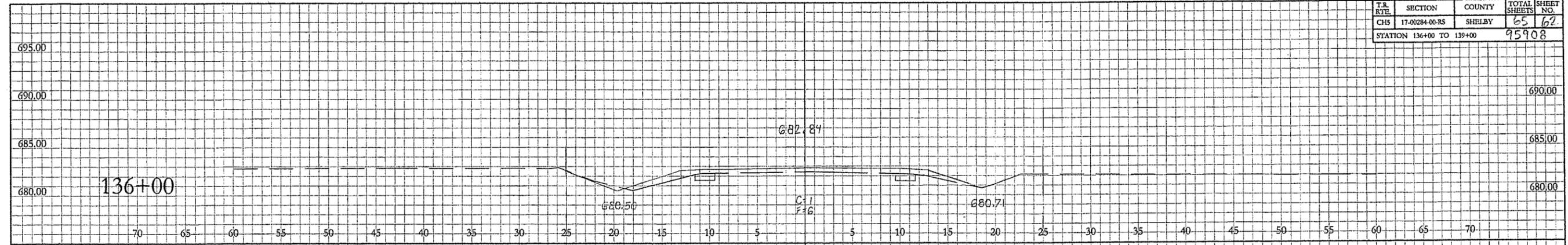
| TR. RTE.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-85 | SHELBY | 65           | 60        |
| STATION 128+00 TO 131+00 |                |        |              | 95908     |



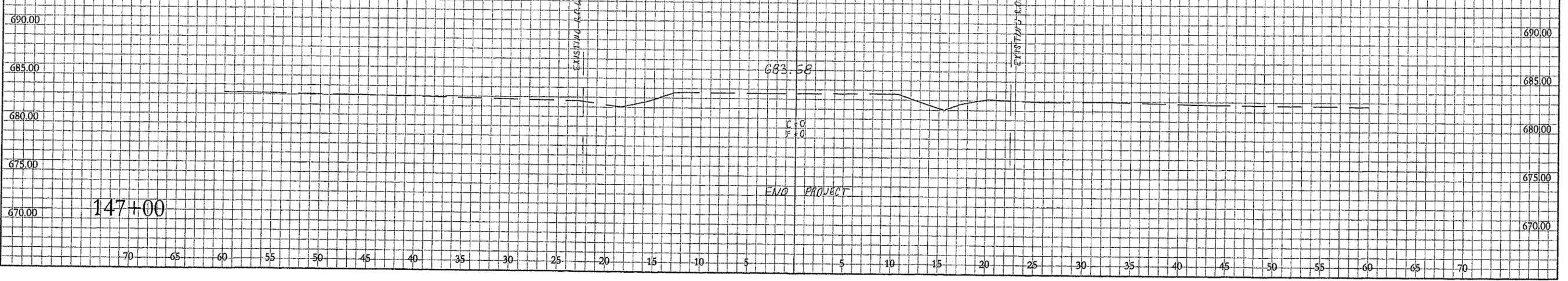
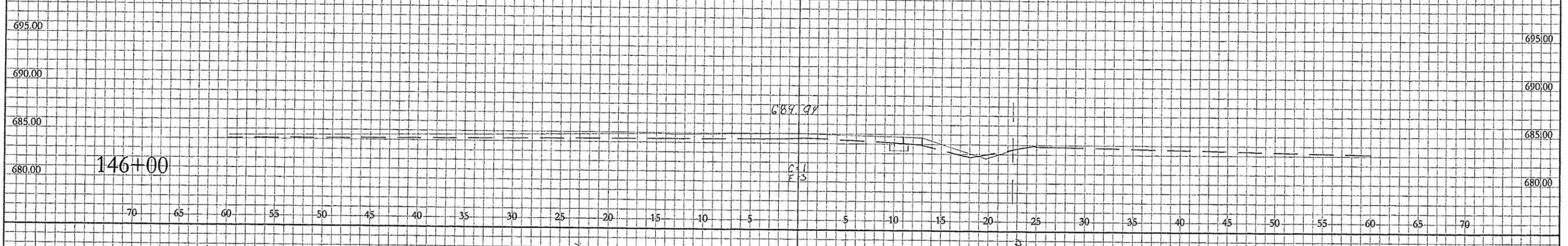
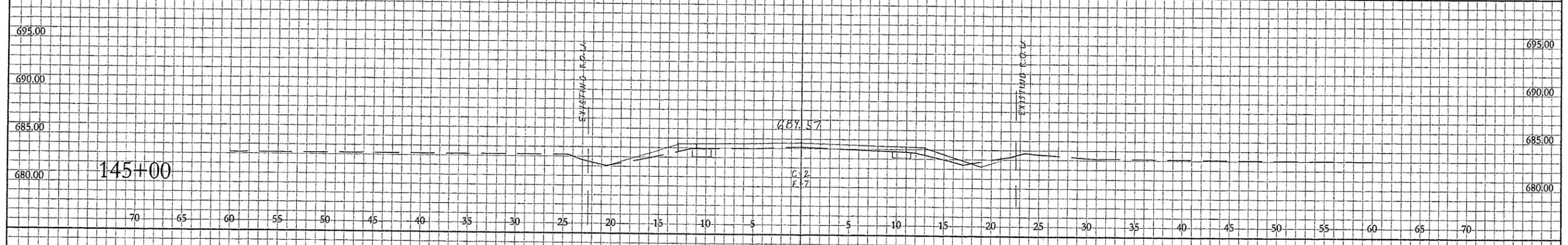
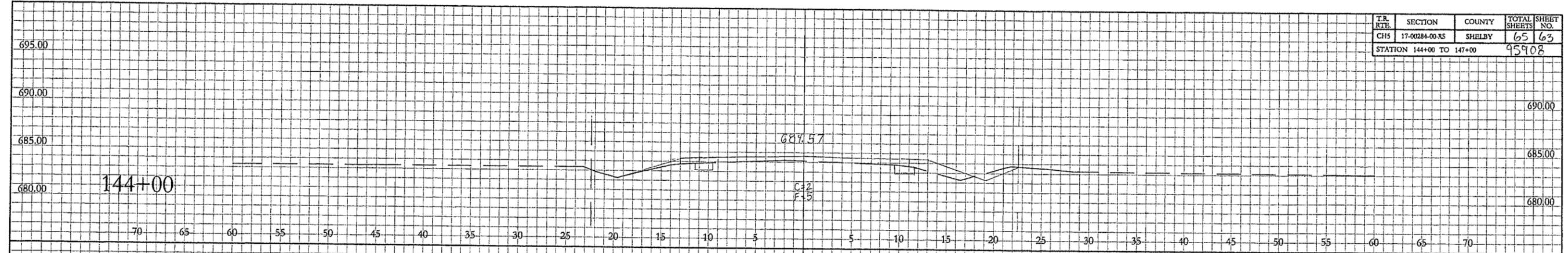
| T.R. SITE                | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-RS | SHELBY | 65           | 61        |
| STATION 132+00 TO 135+00 |                |        | 95908        |           |



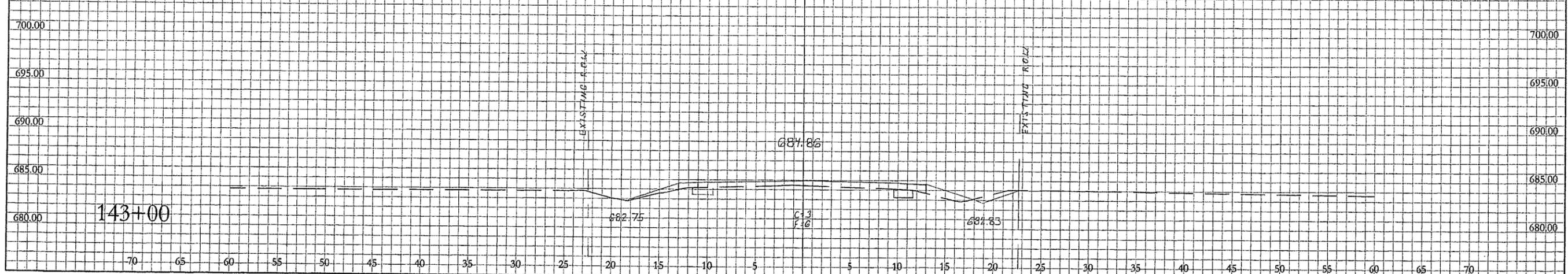
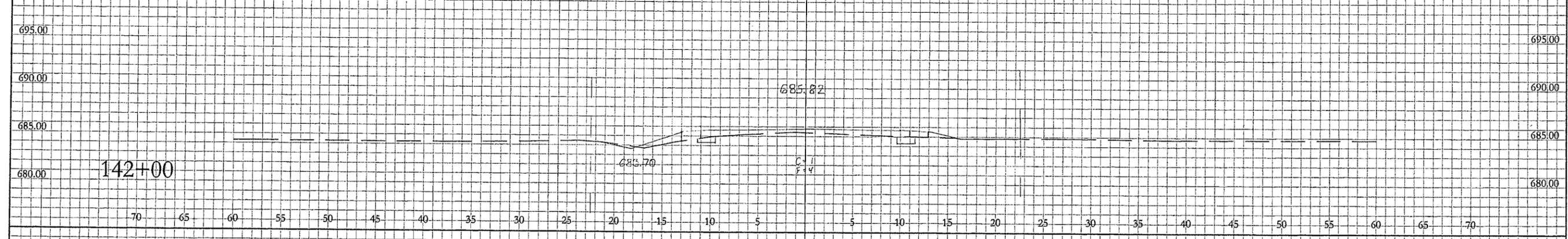
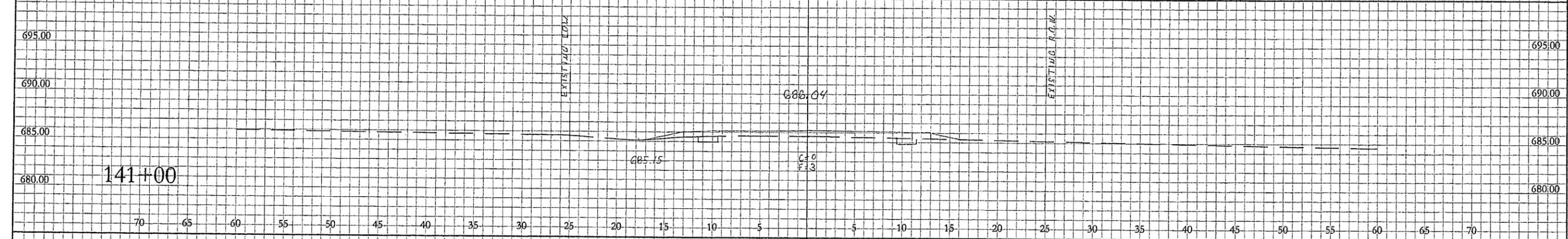
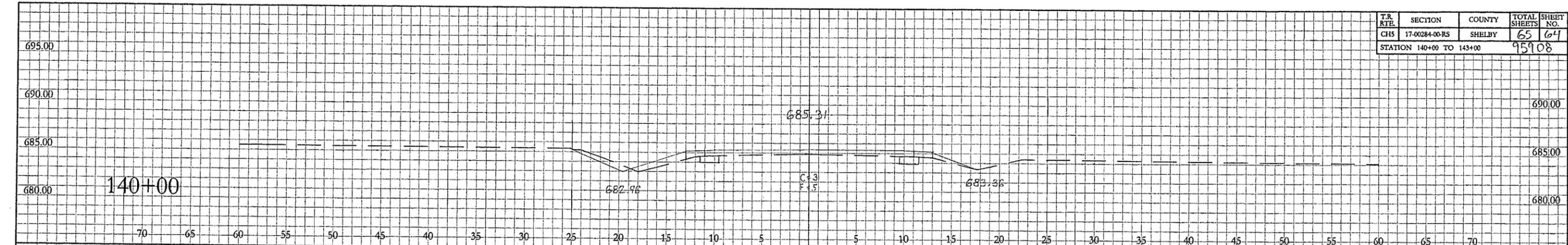
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| T.R. NO.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
| CH5                      | 17-00284-00-R5 | SHELBY | 65           | 62        |
| STATION 136+00 TO 139+00 |                |        | 95908        |           |



| T.R. NO.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CHS                      | 17-00284-00-RS | SHELBY | 65           | 63        |
| STATION 144+00 TO 147+00 |                |        |              | 45908     |



| T.R. NO.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CH5                      | 17-00284-00-RS | SHELBY | 65           | 64        |
| STATION 140+00 TO 143+00 |                |        | 95908        |           |



| T.R. NO.                 | SECTION        | COUNTY | TOTAL SHEETS | SHEET NO. |
|--------------------------|----------------|--------|--------------|-----------|
| CHS                      | 17-00284-00-RS | SHELBY | 65           | 65        |
| STATION 144+00 TO 147+00 |                |        | 959          | 08        |

