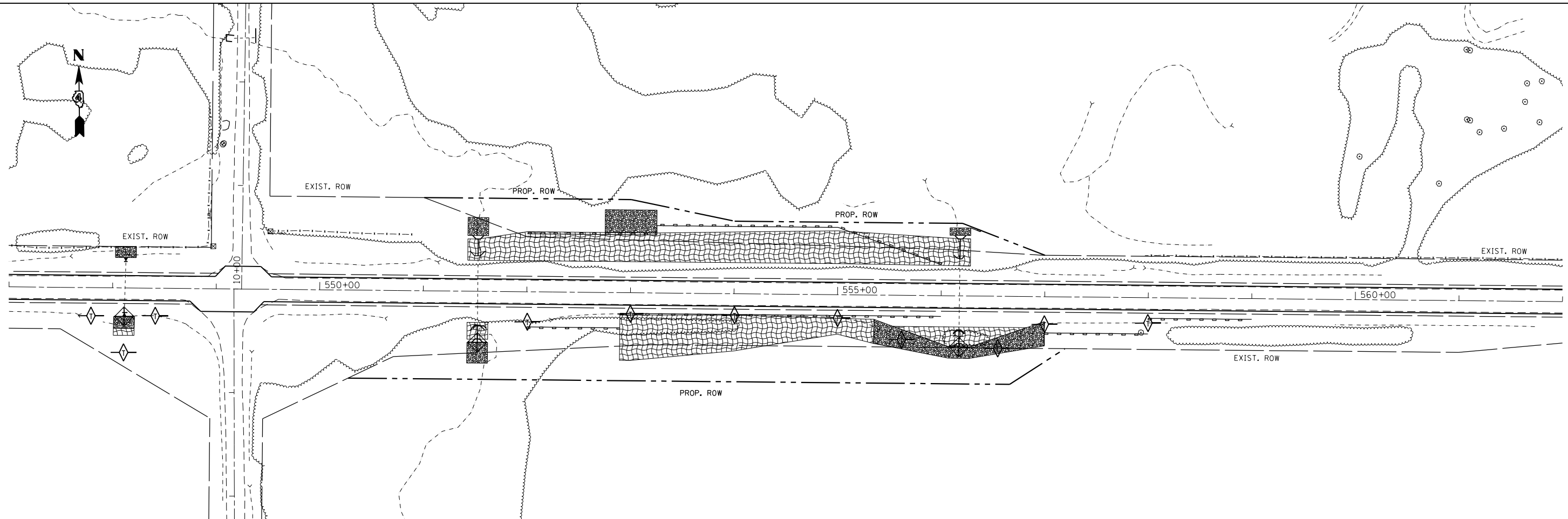
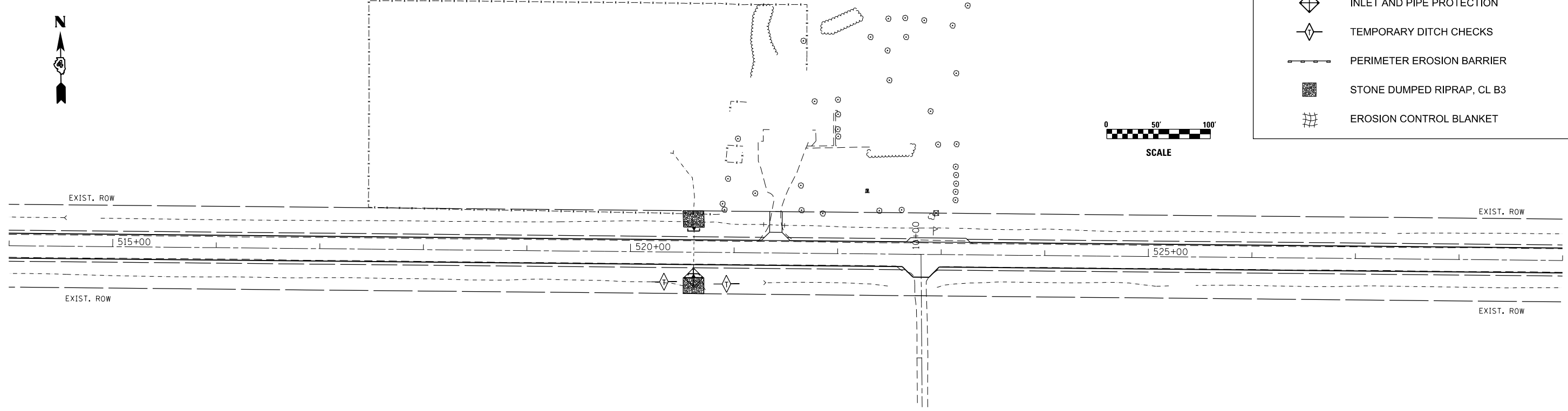
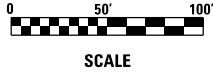
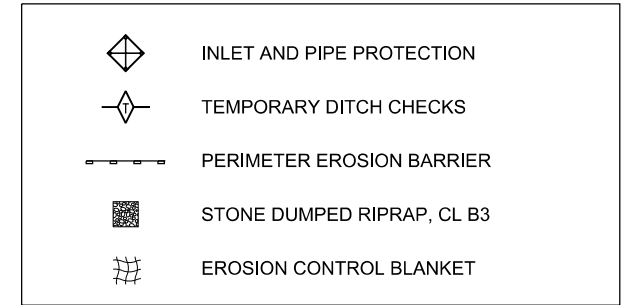


NOTE:  
 ALL AREAS DISTURBED BY GRADING SHALL BE SEEDED.  
 REFER TO SEEDING SCHEDULE FOR LOCATIONS AND QUANTITIES.



FILE NAME =  
 D468A26-sh1-eros.dgn

USER NAME = keathbr  
 PLOT SCALE = 100.0000' / 1" =  
 PLOT DATE = 3/20/2015

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
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 REVISED -

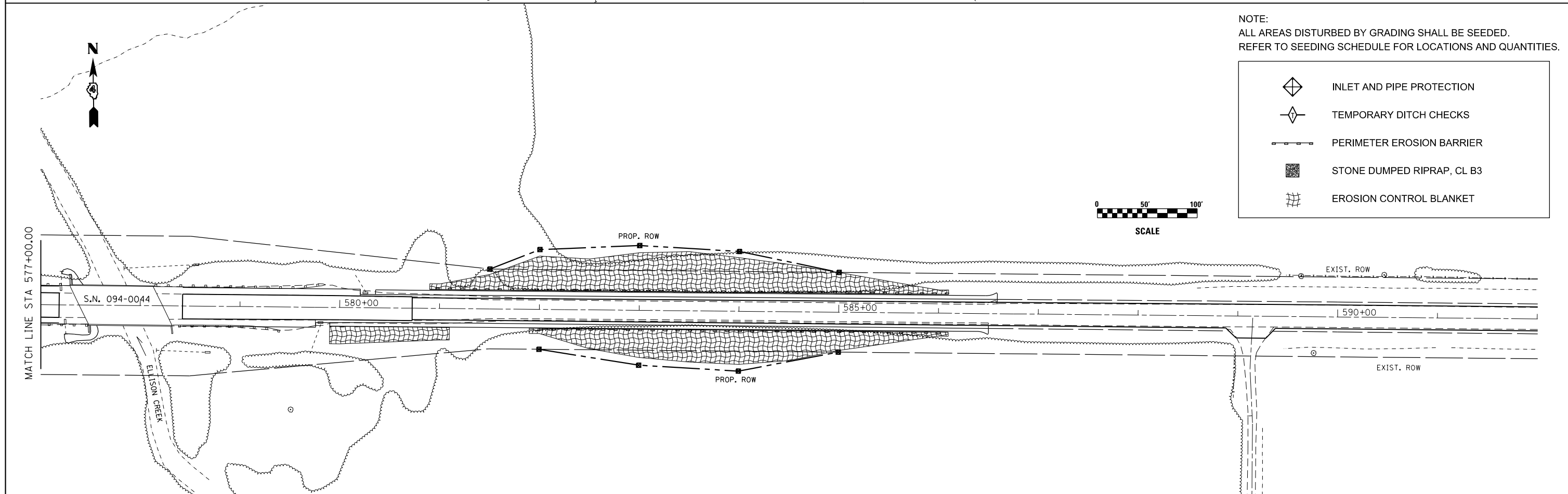
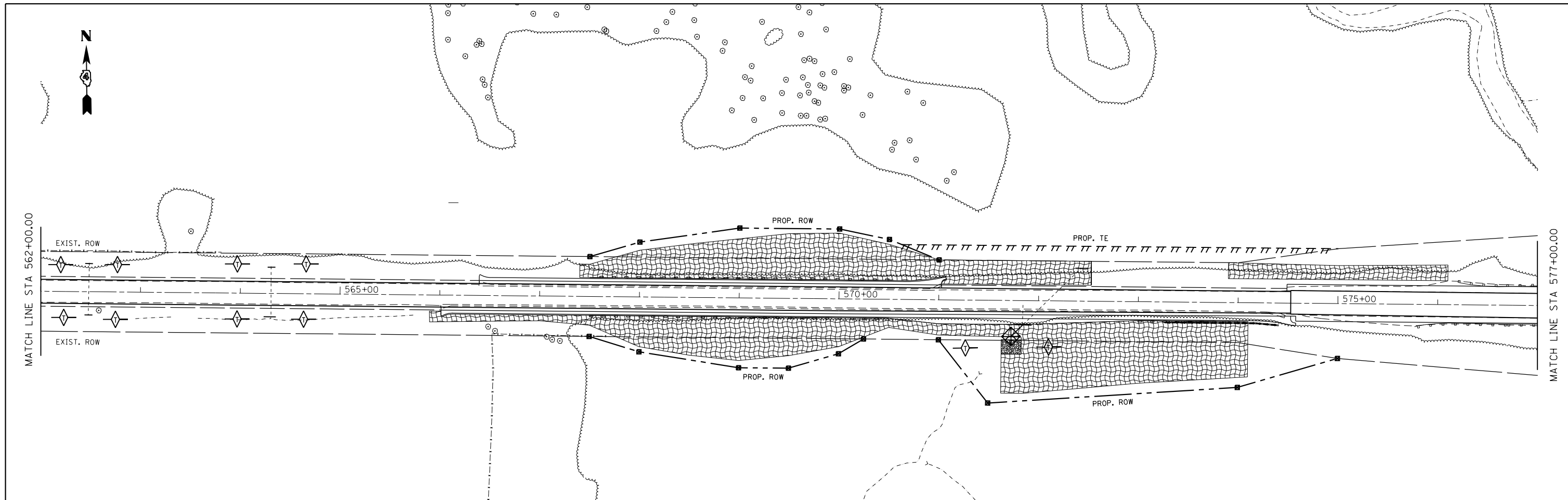
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN**






SCALE: 1"=100' SHEET 7 OF 10 SHEETS STA. 514+00 TO STA. 562+00

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------------------------|------------------|--------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 101       |
| CONTRACT NO. 68A26 |                                |                  |              |           |

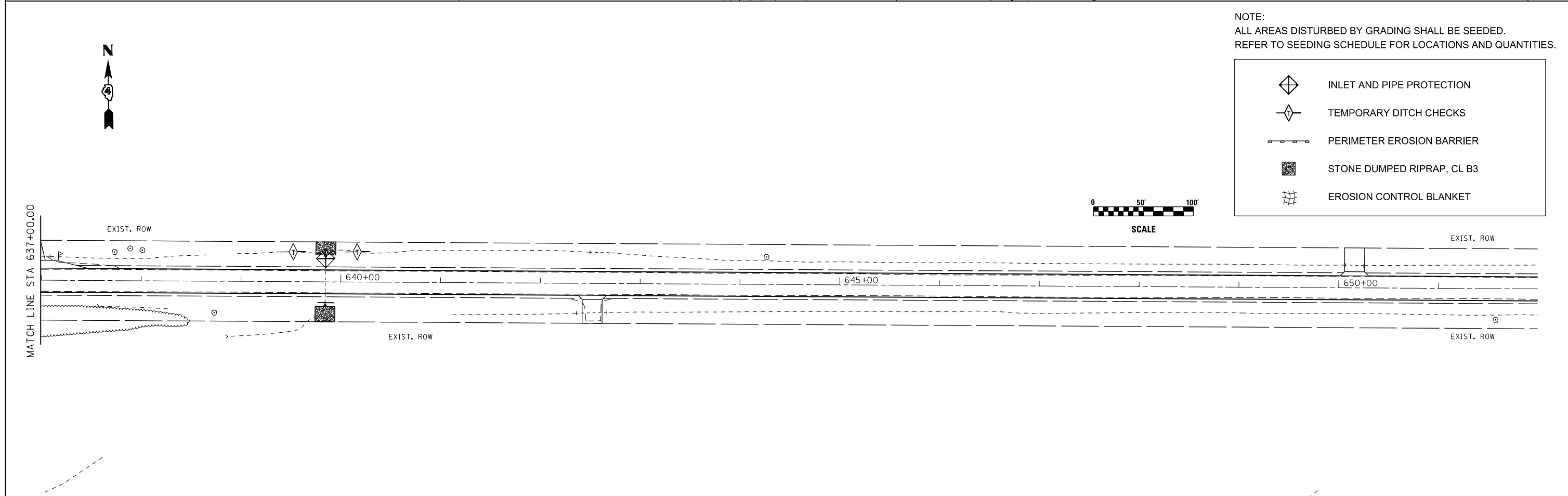
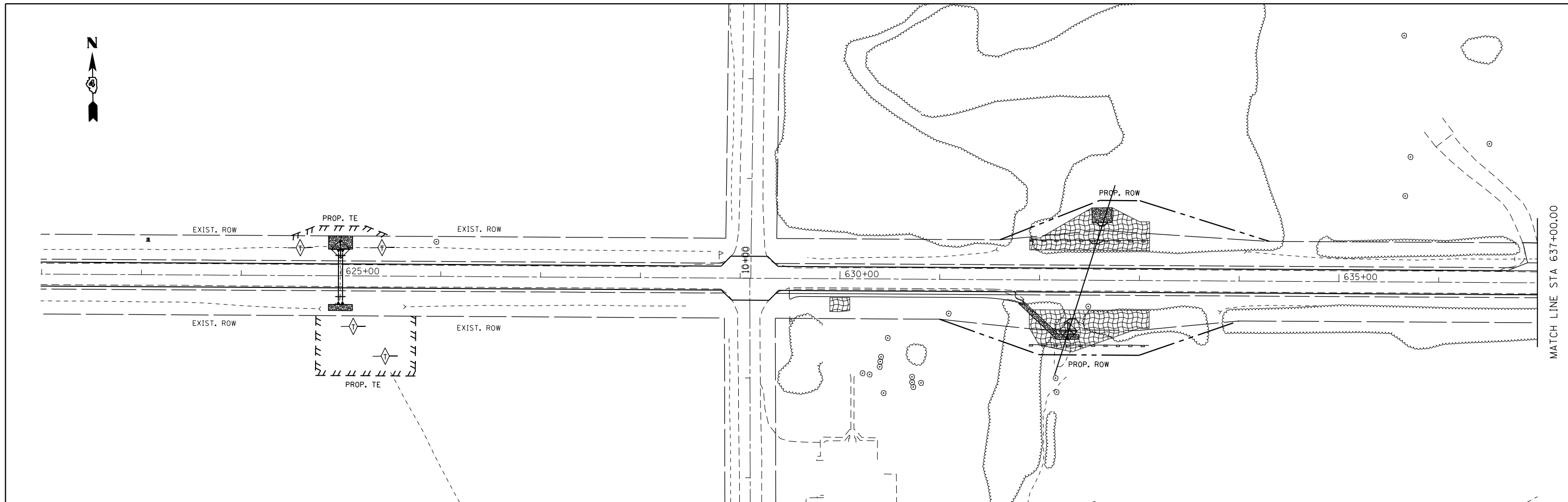
ILLINOIS FED. AID PROJECT



NOTE:  
 ALL AREAS DISTURBED BY GRADING SHALL BE SEEDDED.  
 REFER TO SEEDING SCHEDULE FOR LOCATIONS AND QUANTITIES.

-  INLET AND PIPE PROTECTION
-  TEMPORARY DITCH CHECKS
-  PERIMETER EROSION BARRIER
-  STONE DUMPED RIPRAP, CL B3
-  EROSION CONTROL BLANKET

|                                     |                               |            |           |   |  |  |                    |                |                                |                     |                           |              |
|-------------------------------------|-------------------------------|------------|-----------|---|--|--|--------------------|----------------|--------------------------------|---------------------|---------------------------|--------------|
| FILE NAME =<br>D468A26-sh1-eros.dgn | USER NAME = ke1thbr           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b>                     | <b>EROSION AND SEDIMENT CONTROL PLAN</b> |  |                    | F.A.P.<br>RTE. | SECTION                        | COUNTY              | TOTAL<br>SHEETS           | SHEET<br>NO. |
|                                     | PLOT SCALE = 100.0000' / 1" = | CHECKED -  | REVISED - |   |  |  |                    | 665            | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON<br>WARREN | 255                       | 102          |
| Default                             | PLOT DATE = 3/20/2015         | DATE -     | REVISED - | SCALE: 1"=100'    SHEET 8    OF 10    SHEETS    STA. 562+00    TO STA. 592+00 |  |  | CONTRACT NO. 68A26 |                |                                |                     |                           |              |
|                                     |                               |            |           |   |  |  |                    |                |                                |                     | ILLINOIS FED. AID PROJECT |              |



NOTE:  
 ALL AREAS DISTURBED BY GRADING SHALL BE SEEDED.  
 REFER TO SEEDING SCHEDULE FOR LOCATIONS AND QUANTITIES.

|  |                            |
|--|----------------------------|
|  | INLET AND PIPE PROTECTION  |
|  | TEMPORARY DITCH CHECKS     |
|  | PERIMETER EROSION BARRIER  |
|  | STONE DUMPED RIPRAP, CL B3 |
|  | EROSION CONTROL BLANKET    |

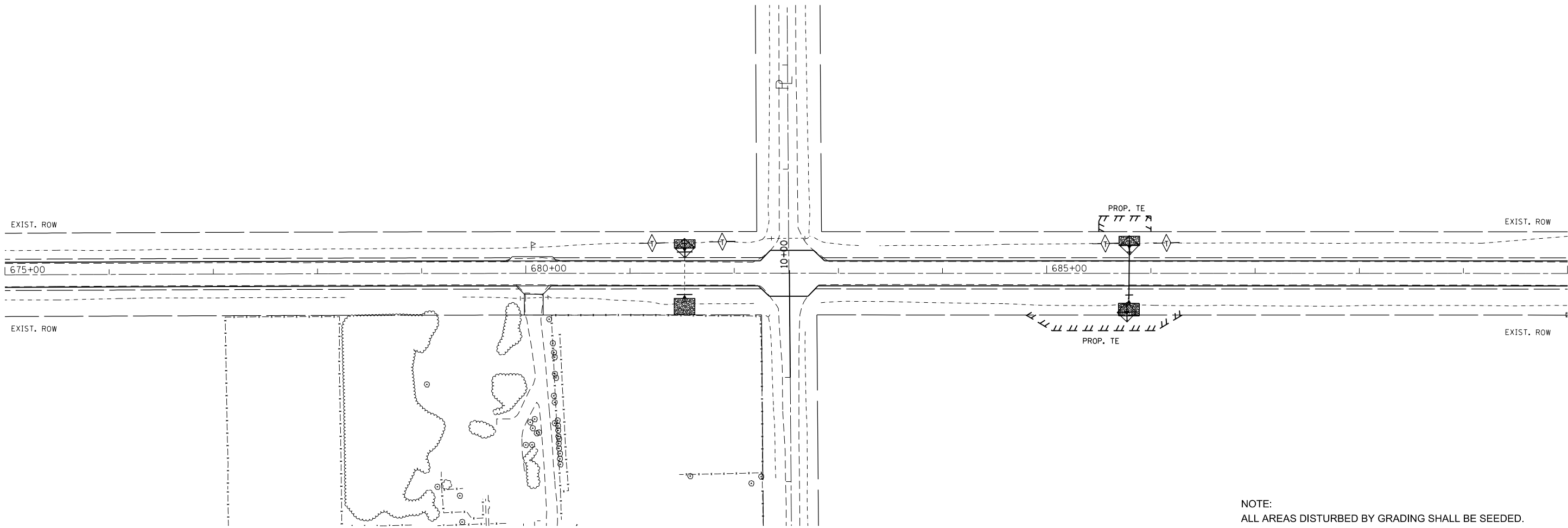
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| Default                             | PLOT SCALE = 100.0000' / in. | DRAWN -    | REVISED - |
|                                     | PLOT DATE = 3/20/2015        | CHECKED -  | REVISED - |
|                                     |                              | DATE -     | REVISED - |

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN**

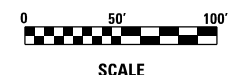
SCALE: 1"=100'    SHEET 9 OF 10 SHEETS    STA. 622+00 TO STA. 652+00

| F.A.P. RTE.               | SECTION                        | COUNTY              | TOTAL SHEETS | SHEET NO. |
|---------------------------|--------------------------------|---------------------|--------------|-----------|
| 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON<br>WARREN | 255          | 103       |
| CONTRACT NO. 68A26        |                                |                     |              |           |
| ILLINOIS FED. AID PROJECT |                                |                     |              |           |



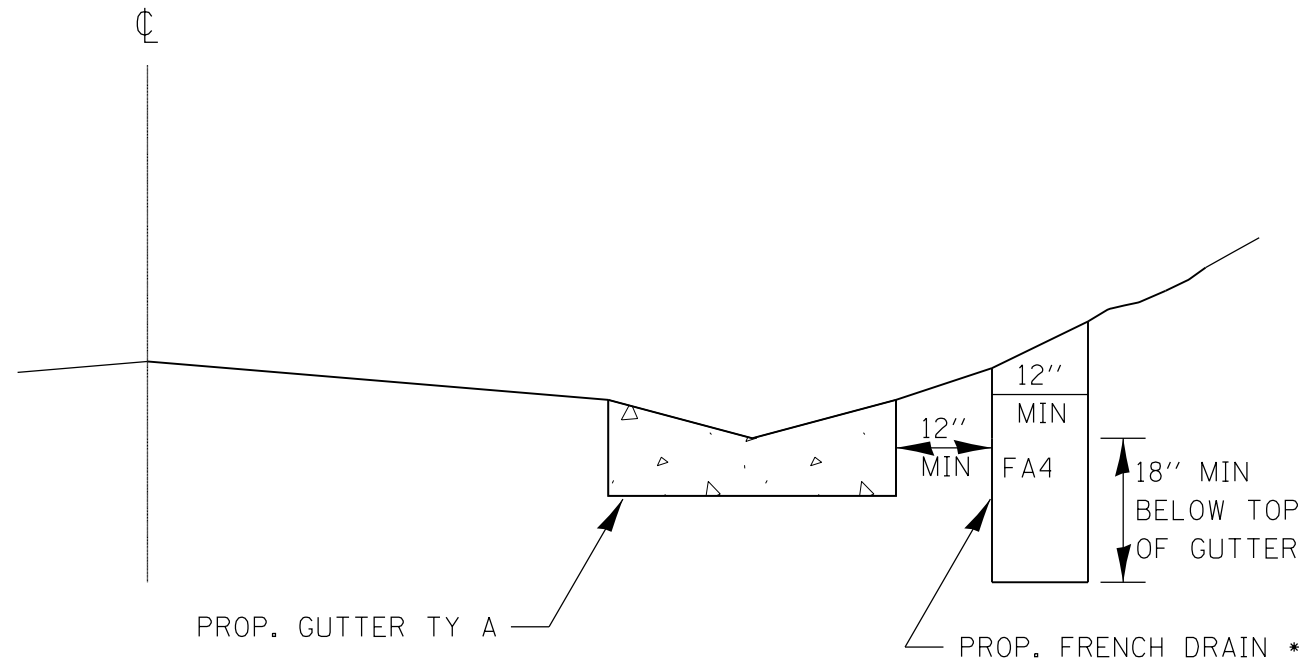
NOTE:  
 ALL AREAS DISTURBED BY GRADING SHALL BE SEEDED.  
 REFER TO SEEDING SCHEDULE FOR LOCATIONS AND QUANTITIES.

|  |                            |
|--|----------------------------|
|  | INLET AND PIPE PROTECTION  |
|  | TEMPORARY DITCH CHECKS     |
|  | PERIMETER EROSION BARRIER  |
|  | STONE DUMPED RIPRAP, CL B3 |
|  | EROSION CONTROL BLANKET    |



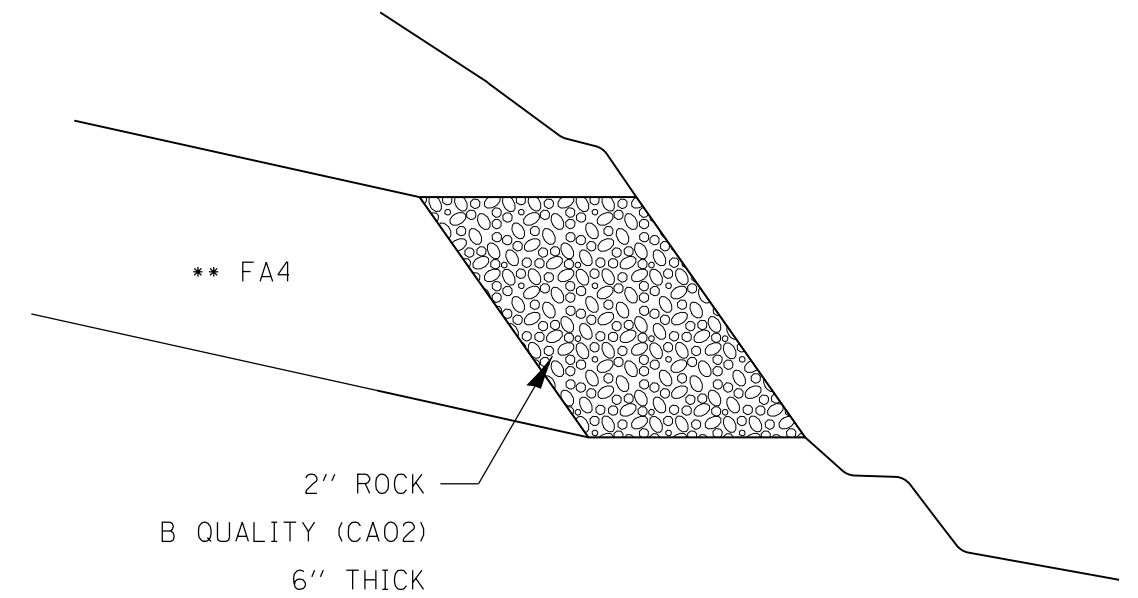
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|                                     | PLOT SCALE = 100.0000' / in. | CHECKED -  | REVISED - |   |  |  |  | 665            | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON<br>WARREN | 255             | 104          |
| Default                             | PLOT DATE = 3/20/2015        | DATE -     | REVISED - | SCALE: 1"=100'    SHEET 10 OF 10 SHEETS    STA. 675+00 TO STA. 690+00 |  |  | ILLINOIS FED. AID PROJECT<br><b>CONTRACT NO. 68A26</b> |                |                                |                     |                 |              |

FRENCH DRAIN DETAIL



\*NO GEOTECHNICAL FABRIC OR PIPE DRAIN IS REQUIRED.  
ALL WORK WILL BE PAID FOR AS FRENCH DRAIN (CU YD).

FRENCH DRAIN OUTLET DETAIL



\*\*BOTTOM OF FA4 TRENCH  
FOLLOWS GRADE OF GUTTER.

|                                      |                               |            |           |   |   |  |  |                    |                                |                      |                 |              |
|--------------------------------------|-------------------------------|------------|-----------|---|---|--|--|--------------------|--------------------------------|----------------------|-----------------|--------------|
| FILE NAME =<br>D468A26-sht-cover.dgn | USER NAME = aubreys           | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>FRENCH DRAIN DETAIL</b>              |  |  | F.A.P.<br>RTE.     | SECTION                        | COUNTY               | TOTAL<br>SHEETS | SHEET<br>NO. |
| Default                              | PLOT SCALE = 100.0000' / 1in. | DRAWN -    | REVISED - |   |   |  |  | 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255             | 105          |
|                                      | PLOT DATE = 3/20/2015         | CHECKED -  | REVISED - |   | SCALE: SHEET 1 OF 1 SHEETS STA. TO STA. |  |  | CONTRACT NO. 68A26 |                                |                      |                 |              |
|                                      |                               | DATE -     | REVISED - |   | ILLINOIS FED. AID PROJECT               |  |  |                    |                                |                      |                 |              |

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. This work will be measured for payment as each, with each end of each culvert being one each. End sections will be paid for at the contract unit price per each for Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of segments shown in Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1"  $\phi$  anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

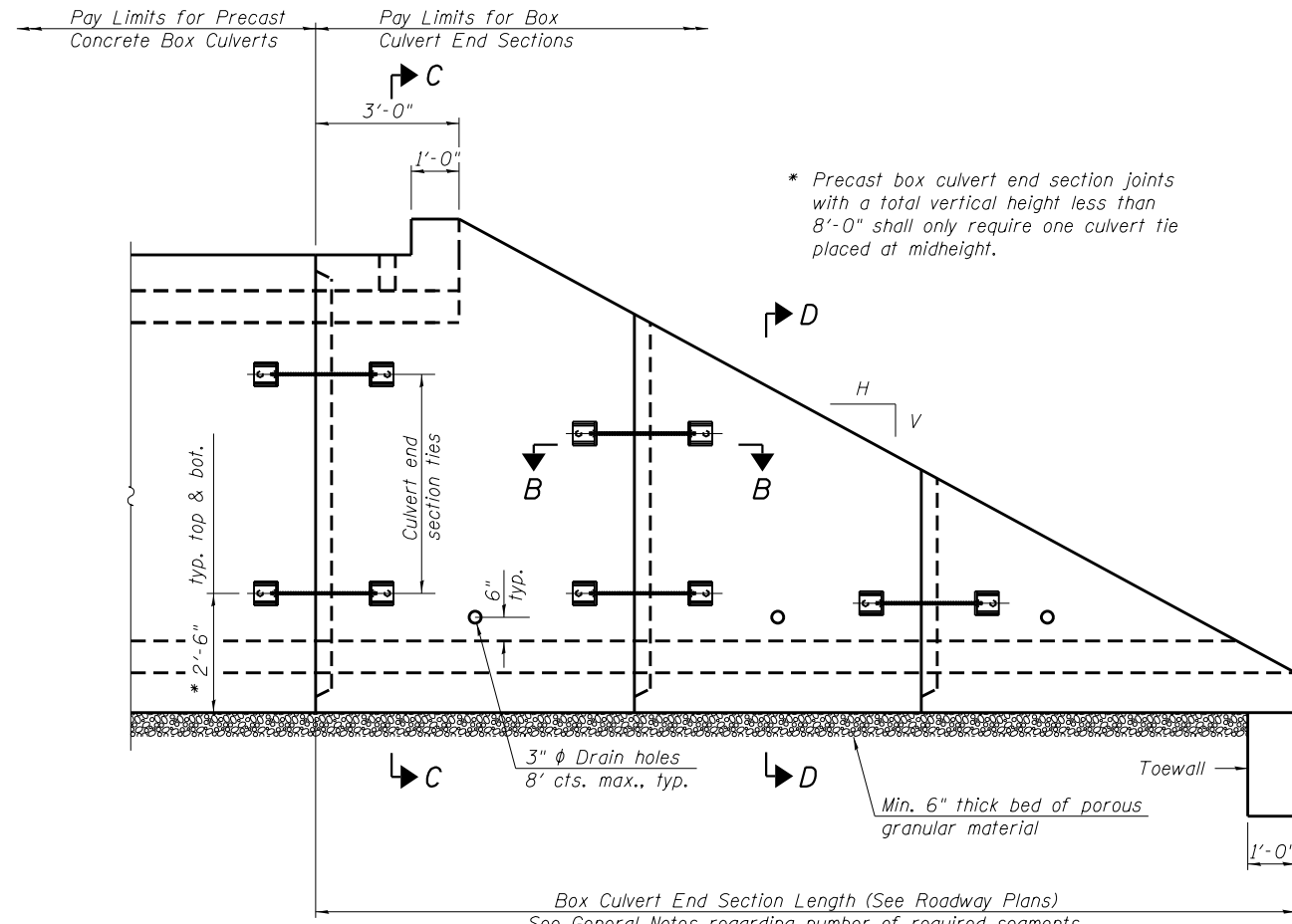
All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Box Culvert End Sections of the culvert number specified.

Reinforcement bars designated (E) shall be epoxy coated.

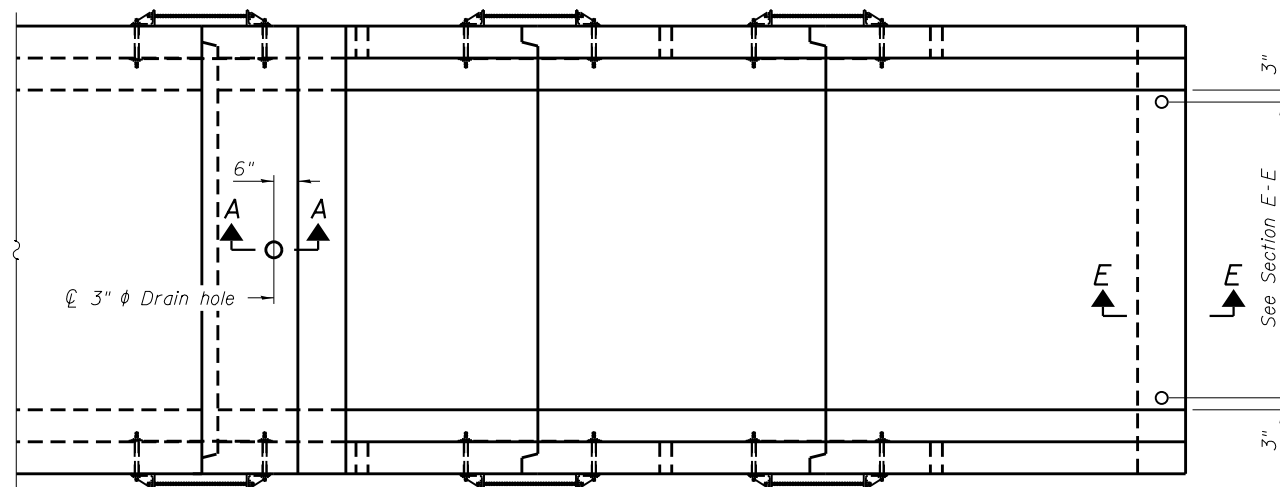
Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd.

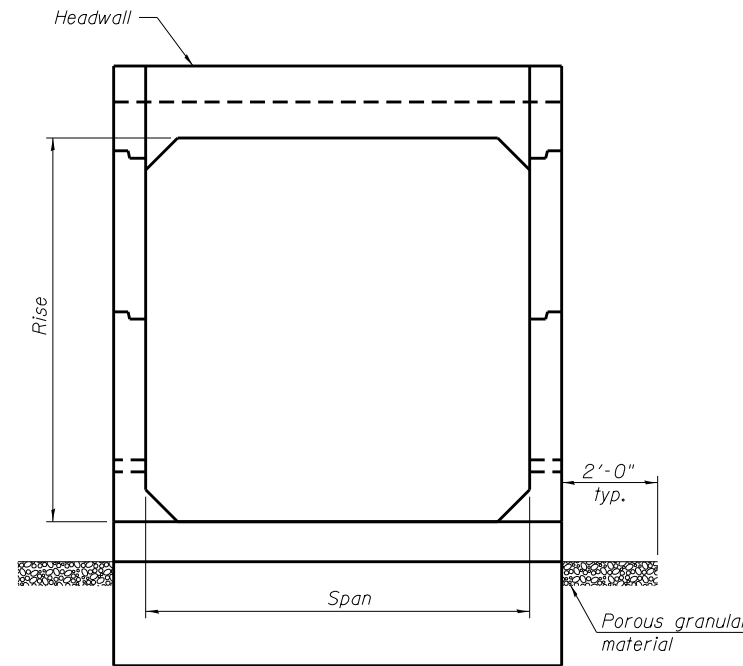
For end sections with traversable pipe grate systems, see grate detail sheet for required modifications.



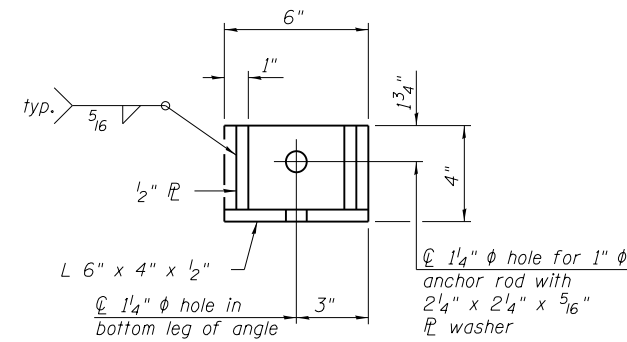
**ELEVATION**



**PLAN**



**END VIEW**



**RESTRAINT ANGLE DETAIL**

12" x 12" x 6" block of CA5, CA7, or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

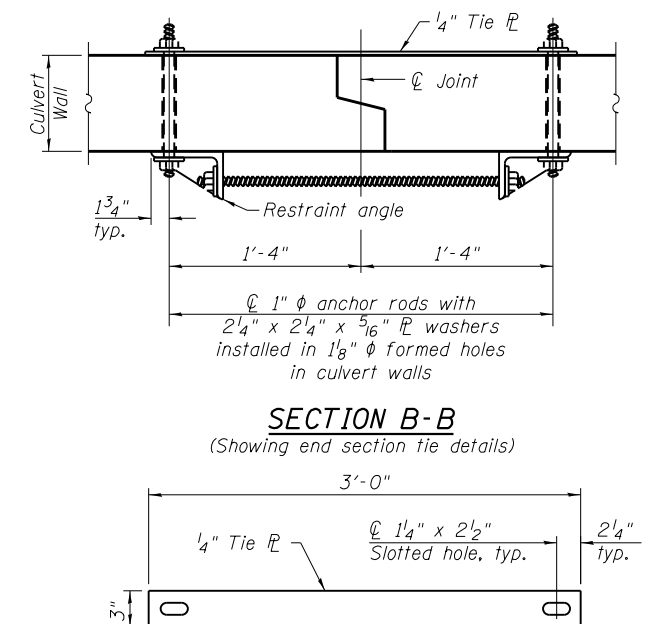
3"  $\phi$  PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam breakout around PVC drain (to be removed with formwork)

**SECTION A-A**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

(Sheet 1 of 2)



**TIE PLATE DETAIL**

SCB-TES-1

11-5-13

|              |             |            |         |
|--------------|-------------|------------|---------|
| FILE NAME =  | USER NAME = | DESIGNED - | REVISED |
|              |             | CHECKED -  | REVISED |
| PLOT SCALE = | DRAWN -     | REVISOR -  | REVISED |
| PLOT DATE =  | CHECKED -   | DATE -     | REVISED |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SINGLE CELL PRECAST BOX CULVERT TAPERED END SECTIONS**

SHEET NO. 1 OF 2 SHEETS

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------------------------|------------------|--------------|-----------|
| 665                | 137W-2,RS-41138W-3,RS-41139W-3 | HENDERSON/WARREN | 255          | 106       |
| CONTRACT NO. 68A26 |                                |                  |              |           |

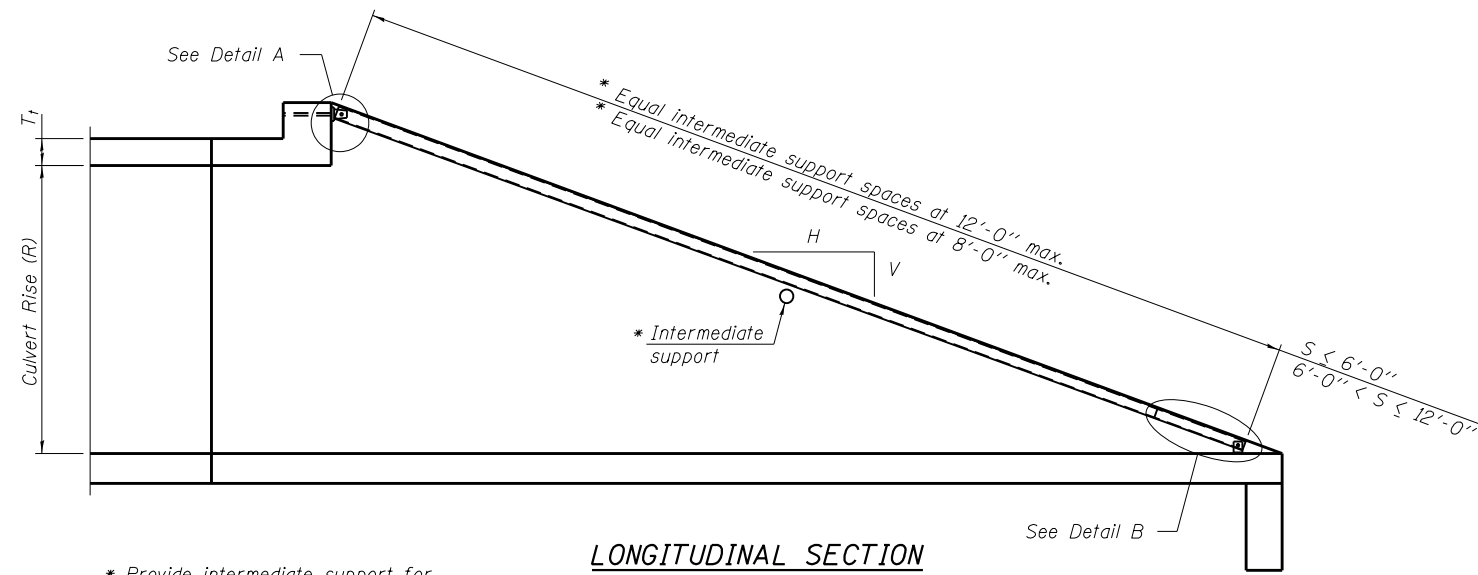
ILLINOIS FED. AID PROJECT



**GENERAL NOTES**

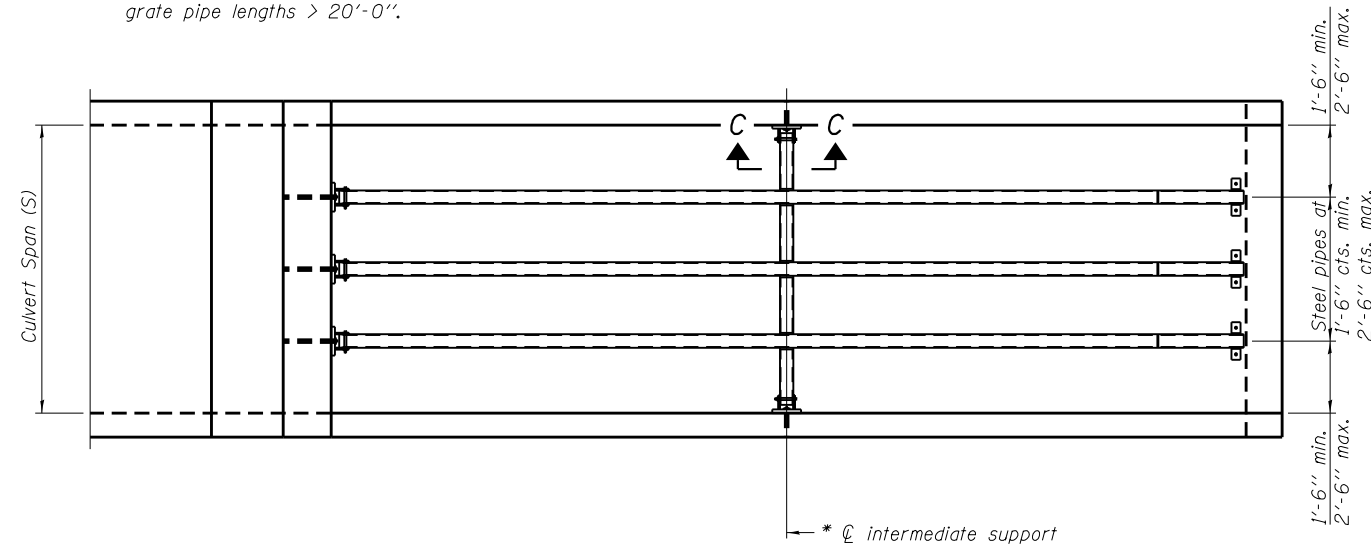
The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.  
 This standard shall only be used on concrete end sections not skewed more than ±15 degrees with roadway.

The Contractor may install the thru bolts using drilling and grouting in lieu of providing a formed hole using steel pipe. Installation shall be in accordance with Article 509.06 using a method that results in the annulus surrounding the bolt being completed filled with adhesive. The method of drilling shall not result in spalled concrete at the exit face. Epoxy grouted thru bolts shall be snug tightened followed by an additional 1/3 turn on the interior nut at final installation. Cost included with Traversable Pipe Grate.

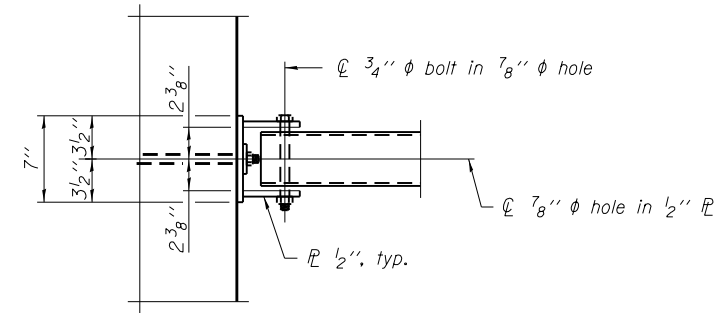


**LONGITUDINAL SECTION**

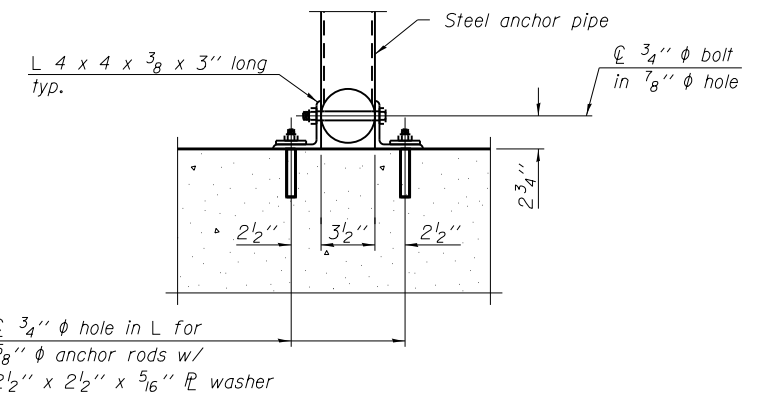
\* Provide intermediate support for grate pipe lengths > 20'-0".



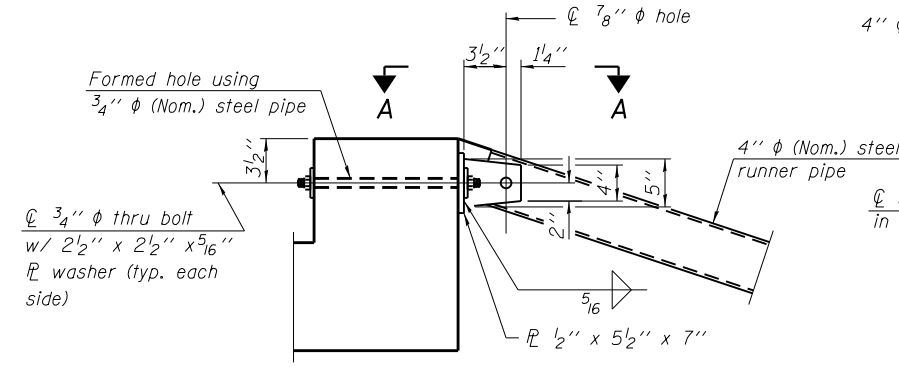
**PLAN VIEW**



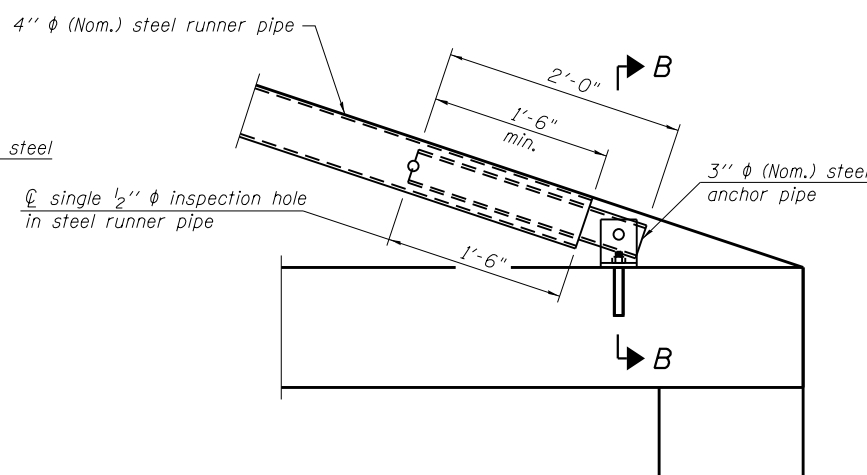
**VIEW A-A**



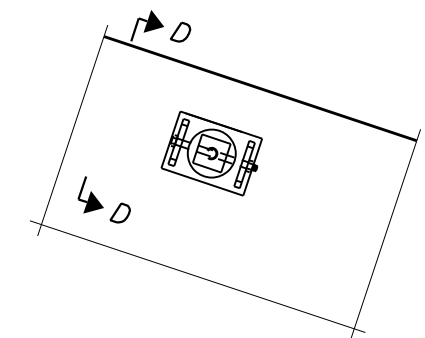
**SECTION B-B**



**DETAIL A**

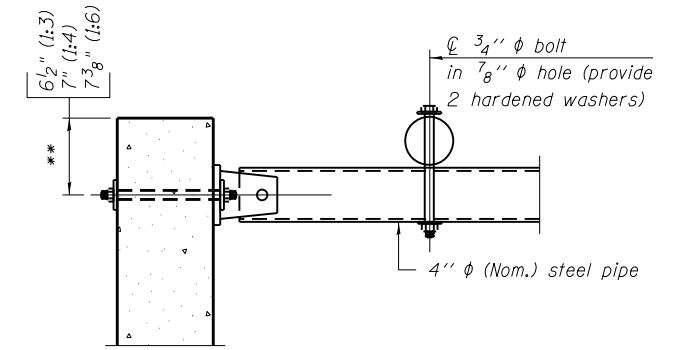


**DETAIL B**



**VIEW C-C**

(See Detail A for dimensions and details not shown.)



**SECTION D-D**

\*\* Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

TPGBC-ZS-1

8-21-13

|             |             |            |         |
|-------------|-------------|------------|---------|
| FILE NAME = | USER NAME = | DESIGNED - | REVISED |
|             |             | CHECKED -  | REVISED |
|             |             | DRAWN -    | REVISED |
|             |             | CHECKED -  | REVISED |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS**

SHEET NO. 1 OF 2 SHEETS

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------------------------|------------------|--------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/WARREN | 255          | 108       |
| CONTRACT NO. 68A26 |                                |                  |              |           |

ILLINOIS FED. AID PROJECT



**PIPE-GRATE SCHEDULE FOR BOX CULVERT END SECTIONS**

| Precast Box Culvert Dimensions |        |                     | Slope of End Section   |                           |                      |                        |                           |                      |                        |                           |                      |
|--------------------------------|--------|---------------------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|------------------------|---------------------------|----------------------|
|                                |        |                     | 1:3                    |                           |                      | 1:4                    |                           |                      | 1:6                    |                           |                      |
| S (ft)                         | R (ft) | T <sub>1</sub> (in) | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe | Main Pipe No. / Length | Int. Support No. / Length | Total Length of Pipe |
| 4                              | 2      | 7.5                 | 1 @ 8'-10"             | N/A                       | 8'-10"               | 1 @ 11'-7"             | N/A                       | 11'-7"               | 1 @ 17'-2"             | N/A                       | 17'-2"               |
| 4                              | 2      | 5                   | 1 @ 8'-2"              | N/A                       | 8'-2"                | 1 @ 10'-8"             | N/A                       | 10'-8"               | 1 @ 15'-11"            | N/A                       | 15'-11"              |
| 4                              | 3      | 7.5                 | 1 @ 12'-0"             | N/A                       | 12'-0"               | 1 @ 15'-8"             | N/A                       | 15'-8"               | 1 @ 23'-3"             | 1 @ 3'-7"                 | 26'-10"              |
| 4                              | 3      | 5                   | 1 @ 11'-4"             | N/A                       | 11'-4"               | 1 @ 14'-10"            | N/A                       | 14'-10"              | 1 @ 22'-0"             | 1 @ 3'-7"                 | 25'-7"               |
| 4                              | 4      | 7.5                 | 1 @ 15'-2"             | N/A                       | 15'-2"               | 1 @ 19'-10"            | 1 @ 3'-7"                 | 23'-5"               | 1 @ 29'-4"             | 2 @ 3'-7"                 | 36'-6"               |
| 4                              | 4      | 5                   | 1 @ 14'-6"             | N/A                       | 14'-6"               | 1 @ 18'-11"            | N/A                       | 18'-11"              | 1 @ 28'-1"             | 2 @ 3'-7"                 | 35'-3"               |
| 5                              | 2      | 8                   | 1 @ 8'-11"             | N/A                       | 8'-11"               | 1 @ 11'-9"             | N/A                       | 11'-9"               | 1 @ 17'-5"             | N/A                       | 17'-5"               |
| 5                              | 2      | 6                   | 1 @ 8'-5"              | N/A                       | 8'-5"                | 1 @ 11'-1"             | N/A                       | 11'-1"               | 1 @ 16'-5"             | N/A                       | 16'-5"               |
| 5                              | 3      | 8                   | 1 @ 12'-1"             | N/A                       | 12'-1"               | 1 @ 15'-10"            | N/A                       | 15'-10"              | 1 @ 23'-6"             | 1 @ 4'-7"                 | 28'-1"               |
| 5                              | 3      | 6                   | 1 @ 11'-7"             | N/A                       | 11'-7"               | 1 @ 15'-2"             | N/A                       | 15'-2"               | 1 @ 22'-6"             | 1 @ 4'-7"                 | 27'-1"               |
| 5                              | 4      | 8                   | 1 @ 15'-3"             | N/A                       | 15'-3"               | 1 @ 20'-0"             | 1 @ 4'-7"                 | 24'-7"               | 1 @ 29'-7"             | 2 @ 4'-7"                 | 38'-9"               |
| 5                              | 4      | 6                   | 1 @ 14'-9"             | N/A                       | 14'-9"               | 1 @ 19'-3"             | N/A                       | 19'-3"               | 1 @ 28'-7"             | 2 @ 4'-7"                 | 37'-9"               |
| 5                              | 5      | 8                   | 1 @ 18'-5"             | N/A                       | 18'-5"               | 1 @ 24'-1"             | 2 @ 4'-7"                 | 33'-3"               | 1 @ 35'-8"             | 3 @ 4'-7"                 | 49'-5"               |
| 5                              | 5      | 6                   | 1 @ 17'-11"            | N/A                       | 17'-11"              | 1 @ 23'-5"             | 1 @ 4'-7"                 | 28'-0"               | 1 @ 34'-8"             | 2 @ 4'-7"                 | 43'-10"              |
| 6                              | 2      | 8                   | 2 @ 8'-11"             | N/A                       | 17'-10"              | 2 @ 11'-9"             | N/A                       | 23'-6"               | 2 @ 17'-5"             | N/A                       | 34'-10"              |
| 6                              | 2      | 7                   | 2 @ 8'-8"              | N/A                       | 17'-4"               | 2 @ 11'-5"             | N/A                       | 22'-10"              | 2 @ 16'-11"            | N/A                       | 33'-10"              |
| 6                              | 3      | 8                   | 2 @ 12'-1"             | N/A                       | 24'-2"               | 2 @ 15'-10"            | N/A                       | 31'-8"               | 2 @ 23'-6"             | 1 @ 5'-7"                 | 52'-7"               |
| 6                              | 3      | 7                   | 2 @ 11'-10"            | N/A                       | 23'-8"               | 2 @ 15'-6"             | N/A                       | 31'-0"               | 2 @ 23'-0"             | 1 @ 5'-7"                 | 51'-7"               |
| 6                              | 4      | 8                   | 2 @ 15'-3"             | N/A                       | 30'-6"               | 2 @ 20'-0"             | 1 @ 5'-7"                 | 45'-7"               | 2 @ 29'-7"             | 2 @ 5'-7"                 | 70'-4"               |
| 6                              | 4      | 7                   | 2 @ 15'-0"             | N/A                       | 30'-0"               | 2 @ 19'-8"             | 1 @ 5'-7"                 | 44'-11"              | 2 @ 29'-1"             | 2 @ 5'-7"                 | 69'-4"               |
| 6                              | 5      | 8                   | 2 @ 18'-5"             | N/A                       | 36'-10"              | 2 @ 24'-1"             | 2 @ 5'-7"                 | 59'-4"               | 2 @ 35'-8"             | 3 @ 5'-7"                 | 88'-1"               |
| 6                              | 5      | 7                   | 2 @ 18'-2"             | N/A                       | 36'-4"               | 2 @ 23'-9"             | 2 @ 5'-7"                 | 58'-8"               | 2 @ 35'-2"             | 2 @ 5'-7"                 | 81'-6"               |
| 6                              | 6      | 8                   | 2 @ 21'-7"             | 1 @ 5'-7"                 | 48'-9"               | 2 @ 28'-3"             | 2 @ 5'-7"                 | 67'-8"               | 2 @ 41'-9"             | 3 @ 5'-7"                 | 100'-3"              |
| 6                              | 6      | 7                   | 2 @ 21'-4"             | 1 @ 5'-7"                 | 48'-3"               | 2 @ 27'-11"            | 2 @ 5'-7"                 | 67'-0"               | 2 @ 41'-3"             | 3 @ 5'-7"                 | 99'-3"               |
| 7                              | 2      | 8                   | 2 @ 8'-11"             | N/A                       | 17'-10"              | 2 @ 11'-9"             | N/A                       | 23'-6"               | 2 @ 17'-5"             | N/A                       | 34'-10"              |
| 7                              | 3      | 8                   | 2 @ 12'-1"             | N/A                       | 24'-2"               | 2 @ 15'-10"            | N/A                       | 31'-8"               | 2 @ 23'-6"             | 2 @ 6'-7"                 | 60'-2"               |
| 7                              | 4      | 8                   | 2 @ 15'-3"             | N/A                       | 30'-6"               | 2 @ 20'-0"             | 2 @ 6'-7"                 | 53'-2"               | 2 @ 29'-7"             | 3 @ 6'-7"                 | 78'-11"              |
| 7                              | 5      | 8                   | 2 @ 18'-5"             | N/A                       | 36'-10"              | 2 @ 24'-1"             | 3 @ 6'-7"                 | 67'-11"              | 2 @ 35'-8"             | 4 @ 6'-7"                 | 97'-8"               |
| 7                              | 6      | 8                   | 2 @ 21'-7"             | 2 @ 6'-7"                 | 56'-4"               | 2 @ 28'-3"             | 3 @ 6'-7"                 | 76'-3"               | 2 @ 41'-9"             | 5 @ 6'-7"                 | 116'-5"              |
| 7                              | 7      | 8                   | 2 @ 24'-9"             | 3 @ 6'-7"                 | 69'-3"               | 2 @ 32'-4"             | 4 @ 6'-7"                 | 91'-0"               | 2 @ 47'-10"            | 6 @ 6'-7"                 | 135'-2"              |
| 8                              | 2      | 8                   | 3 @ 8'-11"             | N/A                       | 26'-9"               | 3 @ 11'-9"             | N/A                       | 35'-3"               | 3 @ 17'-5"             | N/A                       | 52'-3"               |
| 8                              | 3      | 8                   | 3 @ 12'-1"             | N/A                       | 36'-3"               | 3 @ 15'-10"            | N/A                       | 47'-6"               | 3 @ 23'-6"             | 2 @ 7'-7"                 | 85'-8"               |
| 8                              | 4      | 8                   | 3 @ 15'-3"             | N/A                       | 45'-9"               | 3 @ 20'-0"             | 2 @ 7'-7"                 | 75'-2"               | 3 @ 29'-7"             | 3 @ 7'-7"                 | 111'-6"              |
| 8                              | 5      | 8                   | 3 @ 18'-5"             | N/A                       | 55'-3"               | 3 @ 24'-1"             | 3 @ 7'-7"                 | 95'-0"               | 3 @ 35'-8"             | 4 @ 7'-7"                 | 137'-4"              |
| 8                              | 6      | 8                   | 3 @ 21'-7"             | 2 @ 7'-7"                 | 79'-11"              | 3 @ 28'-3"             | 3 @ 7'-7"                 | 107'-6"              | 3 @ 41'-9"             | 5 @ 7'-7"                 | 163'-2"              |
| 8                              | 7      | 8                   | 3 @ 24'-9"             | 3 @ 7'-7"                 | 97'-0"               | 3 @ 32'-4"             | 4 @ 7'-7"                 | 127'-4"              | 3 @ 47'-10"            | 6 @ 7'-7"                 | 189'-0"              |
| 8                              | 8      | 8                   | 3 @ 27'-11"            | 3 @ 7'-7"                 | 106'-6"              | 3 @ 36'-6"             | 4 @ 7'-7"                 | 139'-10"             | 3 @ 53'-11"            | 6 @ 7'-7"                 | 207'-3"              |
| 9                              | 2      | 9                   | 3 @ 9'-3"              | N/A                       | 27'-9"               | 3 @ 12'-1"             | N/A                       | 36'-3"               | 3 @ 17'-11"            | N/A                       | 53'-9"               |
| 9                              | 3      | 9                   | 3 @ 12'-4"             | N/A                       | 37'-0"               | 3 @ 16'-2"             | N/A                       | 48'-6"               | 3 @ 24'-0"             | 3 @ 8'-7"                 | 97'-9"               |
| 9                              | 4      | 9                   | 3 @ 15'-6"             | N/A                       | 46'-6"               | 3 @ 20'-4"             | 2 @ 8'-7"                 | 78'-2"               | 3 @ 30'-1"             | 3 @ 8'-7"                 | 116'-0"              |
| 9                              | 5      | 9                   | 3 @ 18'-8"             | N/A                       | 56'-0"               | 3 @ 24'-5"             | 3 @ 8'-7"                 | 99'-0"               | 3 @ 36'-2"             | 4 @ 8'-7"                 | 142'-10"             |
| 9                              | 6      | 9                   | 3 @ 21'-10"            | 2 @ 8'-7"                 | 82'-8"               | 3 @ 28'-7"             | 3 @ 8'-7"                 | 111'-6"              | 3 @ 42'-3"             | 5 @ 8'-7"                 | 169'-8"              |
| 9                              | 7      | 9                   | 3 @ 25'-0"             | 3 @ 8'-7"                 | 100'-9"              | 3 @ 32'-8"             | 4 @ 8'-7"                 | 132'-4"              | 3 @ 48'-4"             | 6 @ 8'-7"                 | 196'-6"              |
| 9                              | 8      | 9                   | 3 @ 28'-2"             | 3 @ 8'-7"                 | 110'-3"              | 3 @ 36'-10"            | 4 @ 8'-7"                 | 144'-10"             | 3 @ 54'-5"             | 6 @ 8'-7"                 | 214'-9"              |
| 9                              | 9      | 9                   | 3 @ 31'-4"             | 3 @ 8'-7"                 | 119'-9"              | 3 @ 40'-11"            | 5 @ 8'-7"                 | 165'-8"              | 3 @ 60'-6"             | 7 @ 8'-7"                 | 241'-7"              |
| 10                             | 2      | 10                  | 3 @ 9'-6"              | N/A                       | 28'-6"               | 3 @ 12'-5"             | N/A                       | 37'-3"               | 3 @ 18'-5"             | N/A                       | 55'-3"               |
| 10                             | 3      | 10                  | 3 @ 12'-8"             | N/A                       | 38'-0"               | 3 @ 16'-6"             | N/A                       | 49'-6"               | 3 @ 24'-6"             | 3 @ 9'-7"                 | 102'-3"              |
| 10                             | 4      | 10                  | 3 @ 15'-10"            | N/A                       | 47'-6"               | 3 @ 20'-8"             | 2 @ 9'-7"                 | 81'-2"               | 3 @ 30'-7"             | 3 @ 9'-7"                 | 120'-6"              |
| 10                             | 5      | 10                  | 3 @ 19'-0"             | N/A                       | 57'-0"               | 3 @ 24'-9"             | 3 @ 9'-7"                 | 103'-0"              | 3 @ 36'-8"             | 4 @ 9'-7"                 | 148'-4"              |
| 10                             | 6      | 10                  | 3 @ 22'-1"             | 2 @ 9'-7"                 | 85'-5"               | 3 @ 28'-11"            | 3 @ 9'-7"                 | 115'-6"              | 3 @ 42'-9"             | 5 @ 9'-7"                 | 176'-2"              |
| 10                             | 7      | 10                  | 3 @ 25'-3"             | 3 @ 9'-7"                 | 104'-6"              | 3 @ 33'-0"             | 4 @ 9'-7"                 | 137'-4"              | 3 @ 48'-10"            | 6 @ 9'-7"                 | 204'-0"              |
| 10                             | 8      | 10                  | 3 @ 28'-5"             | 3 @ 9'-7"                 | 114'-0"              | 3 @ 37'-2"             | 4 @ 9'-7"                 | 149'-10"             | 3 @ 54'-11"            | 6 @ 9'-7"                 | 222'-3"              |
| 10                             | 9      | 10                  | 3 @ 31'-7"             | 4 @ 9'-7"                 | 133'-1"              | 3 @ 41'-3"             | 5 @ 9'-7"                 | 171'-8"              | 3 @ 61'-0"             | 7 @ 9'-7"                 | 250'-1"              |
| 10                             | 10     | 10                  | 3 @ 34'-9"             | 4 @ 9'-7"                 | 142'-7"              | 3 @ 45'-5"             | 5 @ 9'-7"                 | 184'-2"              | 3 @ 67'-1"             | 8 @ 9'-7"                 | 277'-11"             |
| 11                             | 2      | 11                  | 4 @ 9'-9"              | N/A                       | 39'-0"               | 4 @ 12'-9"             | N/A                       | 51'-0"               | 4 @ 18'-11"            | N/A                       | 75'-8"               |
| 11                             | 3      | 11                  | 4 @ 12'-11"            | N/A                       | 51'-8"               | 4 @ 16'-11"            | N/A                       | 67'-8"               | 4 @ 25'-0"             | 3 @ 10'-7"                | 131'-9"              |
| 11                             | 4      | 11                  | 4 @ 16'-1"             | N/A                       | 64'-4"               | 4 @ 21'-0"             | 2 @ 10'-7"                | 105'-2"              | 4 @ 31'-1"             | 3 @ 10'-7"                | 156'-1"              |
| 11                             | 6      | 11                  | 4 @ 22'-5"             | 2 @ 10'-7"                | 110'-10"             | 4 @ 29'-3"             | 3 @ 10'-7"                | 148'-9"              | 4 @ 43'-3"             | 5 @ 10'-7"                | 225'-11"             |
| 11                             | 8      | 11                  | 4 @ 28'-9"             | 3 @ 10'-7"                | 146'-9"              | 4 @ 37'-6"             | 4 @ 10'-7"                | 192'-4"              | 4 @ 55'-5"             | 6 @ 10'-7"                | 285'-2"              |
| 11                             | 10     | 11                  | 4 @ 35'-0"             | 4 @ 10'-7"                | 182'-4"              | 4 @ 45'-9"             | 5 @ 10'-7"                | 235'-11"             | 4 @ 67'-7"             | 8 @ 10'-7"                | 355'-0"              |
| 11                             | 11     | 11                  | 4 @ 38'-2"             | 4 @ 10'-7"                | 195'-0"              | 4 @ 49'-10"            | 6 @ 10'-7"                | 262'-10"             | 4 @ 73'-8"             | 9 @ 10'-7"                | 389'-11"             |
| 12                             | 2      | 12                  | 4 @ 10'-0"             | N/A                       | 40'-0"               | 4 @ 13'-1"             | N/A                       | 52'-4"               | 4 @ 19'-5"             | N/A                       | 77'-8"               |
| 12                             | 3      | 12                  | 4 @ 13'-2"             | N/A                       | 52'-8"               | 4 @ 17'-3"             | N/A                       | 69'-0"               | 4 @ 25'-6"             | 3 @ 11'-7"                | 136'-9"              |
| 12                             | 4      | 12                  | 4 @ 16'-4"             | N/A                       | 65'-4"               | 4 @ 21'-4"             | 2 @ 11'-7"                | 108'-6"              | 4 @ 31'-7"             | 4 @ 11'-7"                | 172'-8"              |
| 12                             | 6      | 12                  | 4 @ 22'-8"             | 2 @ 11'-7"                | 113'-10"             | 4 @ 29'-7"             | 3 @ 11'-7"                | 153'-1"              | 4 @ 43'-9"             | 5 @ 11'-7"                | 232'-11"             |
| 12                             | 8      | 12                  | 4 @ 29'-0"             | 3 @ 11'-7"                | 150'-9"              | 4 @ 37'-10"            | 4 @ 11'-7"                | 197'-8"              | 4 @ 55'-11"            | 7 @ 11'-7"                | 304'-9"              |
| 12                             | 10     | 12                  | 4 @ 35'-4"             | 4 @ 11'-7"                | 187'-8"              | 4 @ 46'-1"             | 5 @ 11'-7"                | 242'-3"              | 4 @ 68'-1"             | 8 @ 11'-7"                | 365'-0"              |
| 12                             | 12     | 12                  | 4 @ 41'-8"             | 5 @ 11'-7"                | 224'-7"              | 4 @ 54'-4"             | 6 @ 11'-7"                | 286'-10"             | 4 @ 80'-3"             | 10 @ 11'-7"               | 436'-10"             |

TPGBC-ZS-2

8-21-13

|                       |            |          |
|-----------------------|------------|----------|
| FILE NAME             | DESIGNED - | REVISD - |
| D468A26-sht-cover.dgn | CHECKED -  | REVISD - |
| PLOT DATE             | DRAWN -    | REVISD - |
| 3/20/2015             | CHECKED -  | REVISD - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

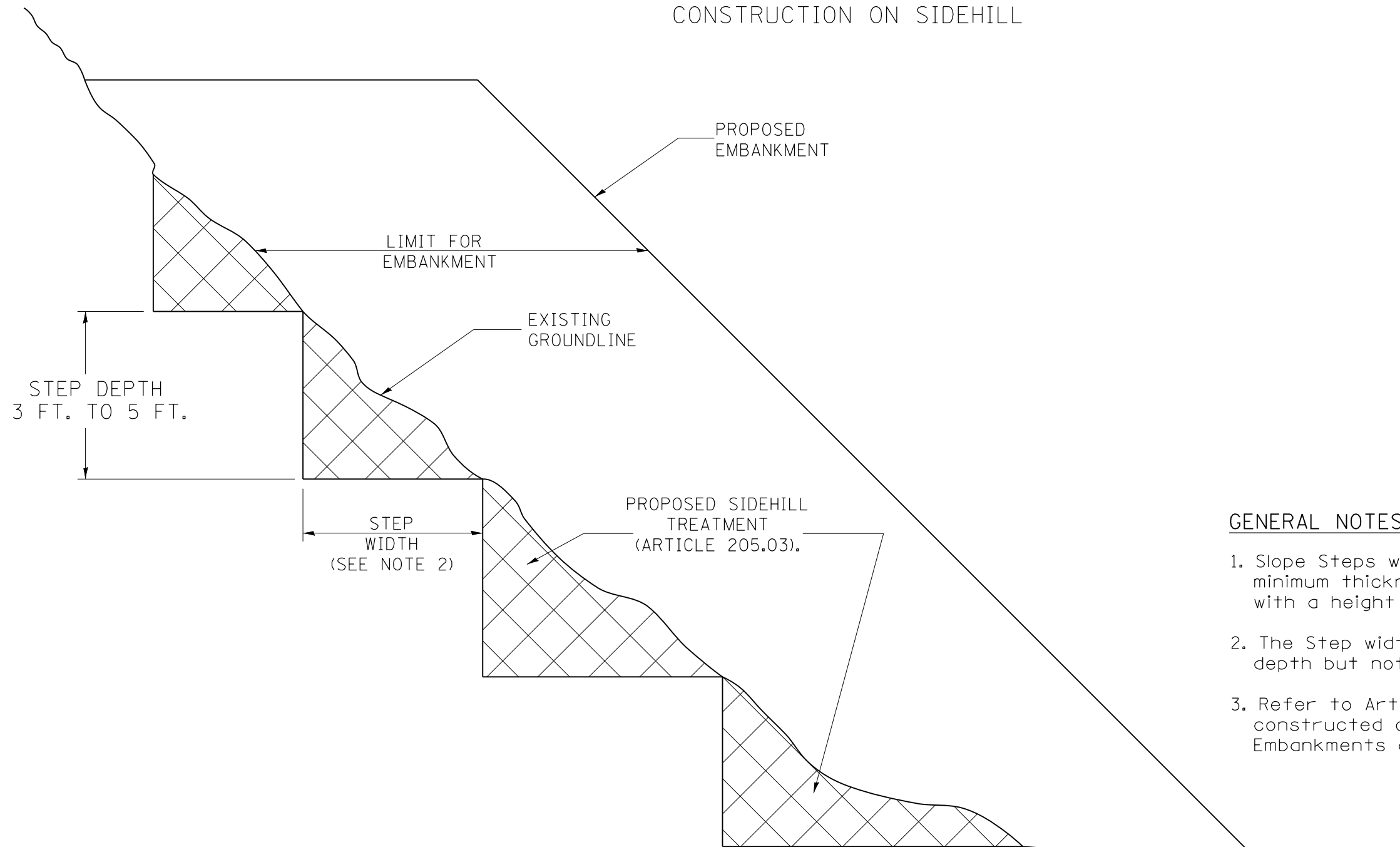
**TRAVERSABLE PIPE GRATE FOR BOX CULVERTS**

|                    |                                |                  |                           |           |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/WARREN | 255                       | 109       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |

SHEET NO. 2 OF 2 SHEETS

# SLOPE STEPS DETAIL

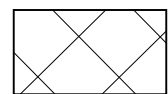
## TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



### GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

### REPLACEMENT MATERIAL:



STANDARD EMBANKMENT  
(IN ACCORDANCE WITH  
205 OF THE STANDARD SPECIFICATION).

All dimensions are in inches (millimeters) unless otherwise noted.

|          |  |      |  |  |  |
|----------|--|------|--|--|--|
| 1-1-97   | RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE | T.P. |  |  |  |
|          | BOX, REVISED GENERAL NOTES.                    |      |  |  |  |
| 10-16-06 | REVISED TO 2007 SPEC.                          | M.A. |  |  |  |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

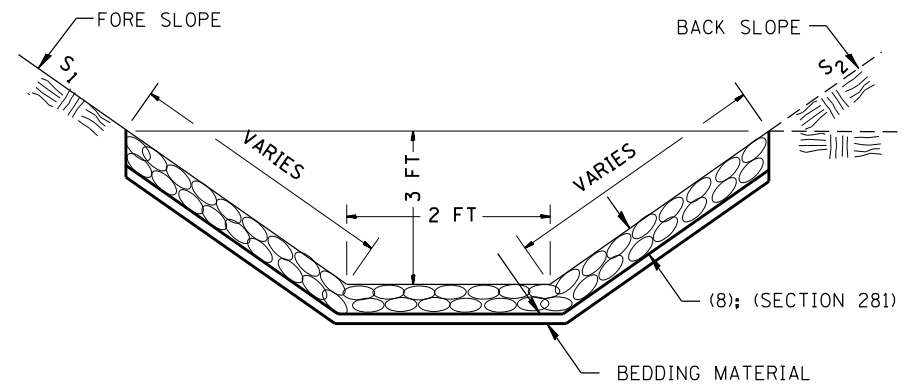
**SLOPE STEPS DETAIL**

NOT TO SCALE

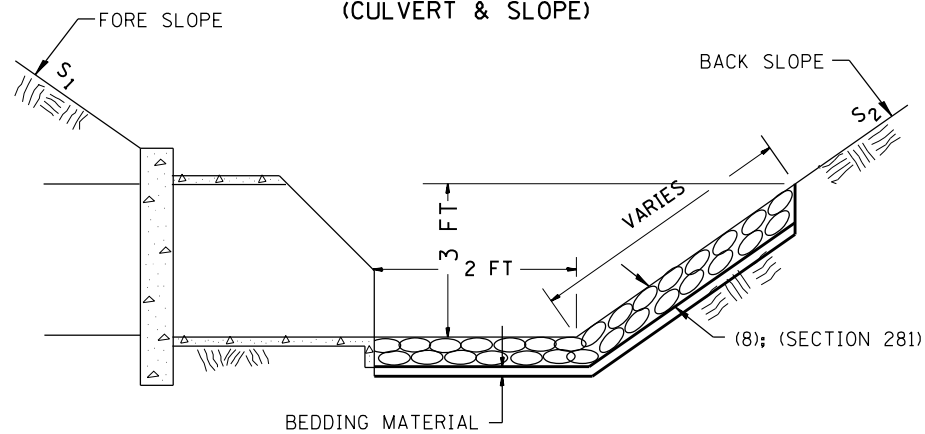
CADD STD. 205001-D4

| F.A.P. RTE.                                   | SECTION                        | COUNTY               | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|----------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255                | 110       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                      | CONTRACT NO. 68A26 |           |

**CASE 1  
(DITCH)**



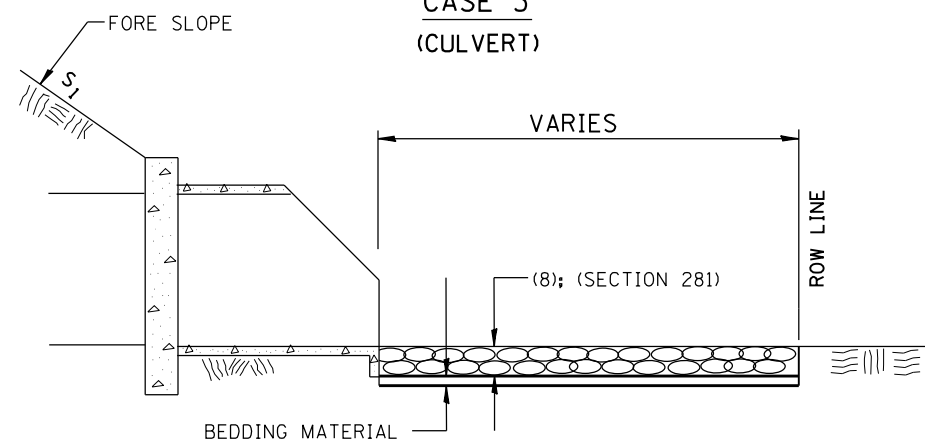
**CASE 2  
(CULVERT & SLOPE)**



FOR INFORMATION ONLY

| LOCATION                | STONE DUMPED<br>RIPRAP CLASS B3 |        |
|-------------------------|---------------------------------|--------|
|                         | TON                             |        |
|                         | LT                              | RT     |
| <b>HENDERSON COUNTY</b> |                                 |        |
| STA 230+20.15           | 2.96                            | 8.15   |
| STA 243+79.87           | 16.30                           | 5.93   |
| STA 308+41.66           | 6.67                            | 6.67   |
| STA 319+81.36           | 8.15                            | 7.41   |
| STA 334+99.19           | 9.63                            | 8.15   |
| STA 339+62.75           | 9.63                            | 6.67   |
| STA 364+62.69           | 7.41                            | 66.67  |
| STA 390+13.11           | 8.15                            | 8.15   |
| STA 444+77.84           |                                 | 8.89   |
| STA 445+25.96           | 18.52                           |        |
| STA 459+36.38           | 12.96                           | 8.96   |
| STA 459+53.84           |                                 | 11.85  |
| STA 459+68.43           | 20.00                           |        |
| STA 468+91.12           | 41.67                           | 38.33  |
| STA 469+12.68           | 10.37                           |        |
| STA 469+32.55           |                                 | 10.37  |
| <b>WARREN COUNTY</b>    |                                 |        |
| STA 477+29.77           | 8.15                            | 9.63   |
| STA 487+24.01           | 8.15                            | 9.63   |
| STA 495+79.27           | 11.85                           |        |
| STA 497+06.55           | 5.93                            |        |
| STA 497+20.52           |                                 | 8.89   |
| STA 520+61.15           | 11.11                           | 11.11  |
| STA 548+12.01           | 7.41                            | 9.63   |
| STA 551+52.57           | 14.07                           | 14.07  |
| STA 553+00.00           |                                 | 46.30  |
| STA 556+17.78           | 3.70                            | 100.19 |
| STA 571+84.81           |                                 | 9.63   |
| STA 624+99.14           | 8.89                            | 4.44   |
| STA 632+45.38           | 11.11                           | 13.04  |
| STA 639+84.53           | 10.37                           | 11.11  |
| STA 681+52.39           | 6.67                            | 11.11  |
| STA 685+79.11           | 7.41                            | 11.85  |

**CASE 3  
(CULVERT)**



All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).  
All dimensions are in inches (millimeters) unless otherwise noted.

|          |  |      |
|----------|--|------|
| 1-1-97   | RENUM. A-12.02, NEW REVISION BOX               | T.P. |
| 12-1-97  | CORRECT FILTER FABRIC LEADER ARROW             | J.A. |
| 10-16-06 | REVISED TO 2007 SPEC.                          | M.A. |
| 9-6-12   | REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES | R.D. |

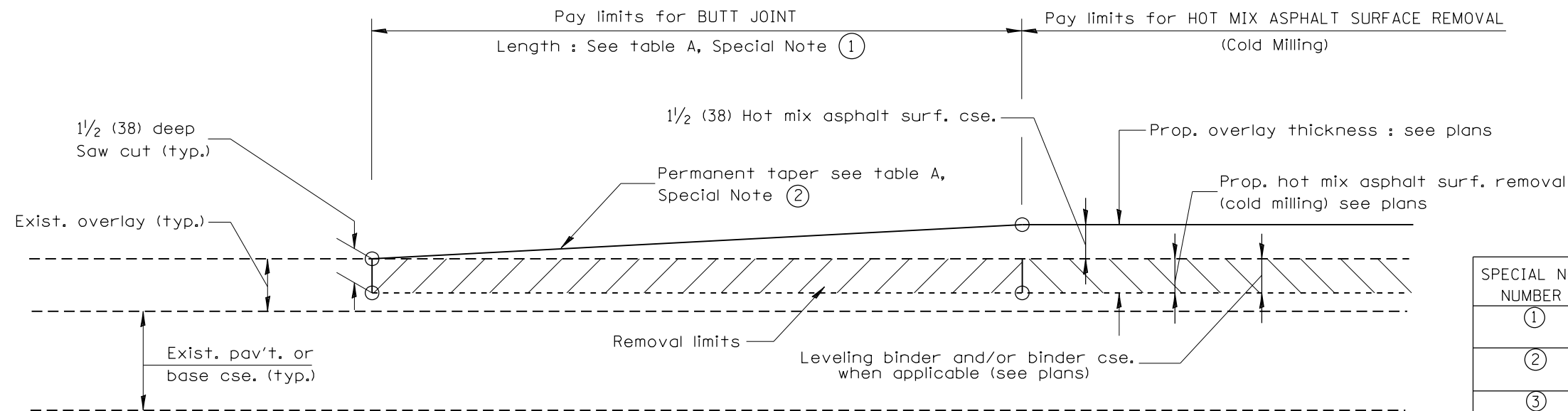
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**RIPRAP DITCH FOR EROSION PROTECTION**

NOT TO SCALE

CADD STD. 281001-D4

| F.A.P. RTE.                                   | SECTION                        | COUNTY               | TOTAL SHEETS | SHEET NO. |
|---|--------------------------------|----------------------|--------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255          | 111       |
| CONTRACT NO. 68A26                            |                                |                      |              |           |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                      |              |           |



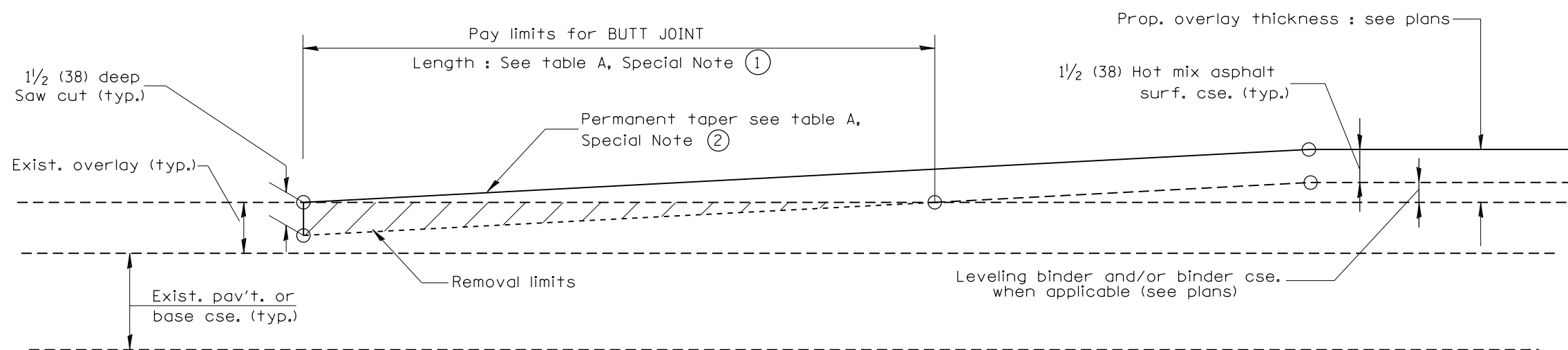
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A**  
(LENGTHS AND TAPER RATES)

| SPECIAL NOTE NUMBER | ELEMENT                   | MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS | ALL OTHERS |
|---------------------|---------------------------|---|------------|
| ①                   | LENGTH OF BUTT JOINT      | 60'(18.0 m)                               | 30'(9.0 m) |
| ②                   | PERMANENT TAPER RATE      | 1:480                                     | 1:240      |
| ③                   | TEMPORARY RAMP TAPER RATE | 1:80                                      | 1:40       |
| ④                   | TEMPORARY RAMP LENGTH     | 10'(3.0 m)                                | 5'(1.5 m)  |
| ⑤                   | LENGTH OF BUTT JOINT      | 10'(3.0 m)                                | 10'(3.0 m) |

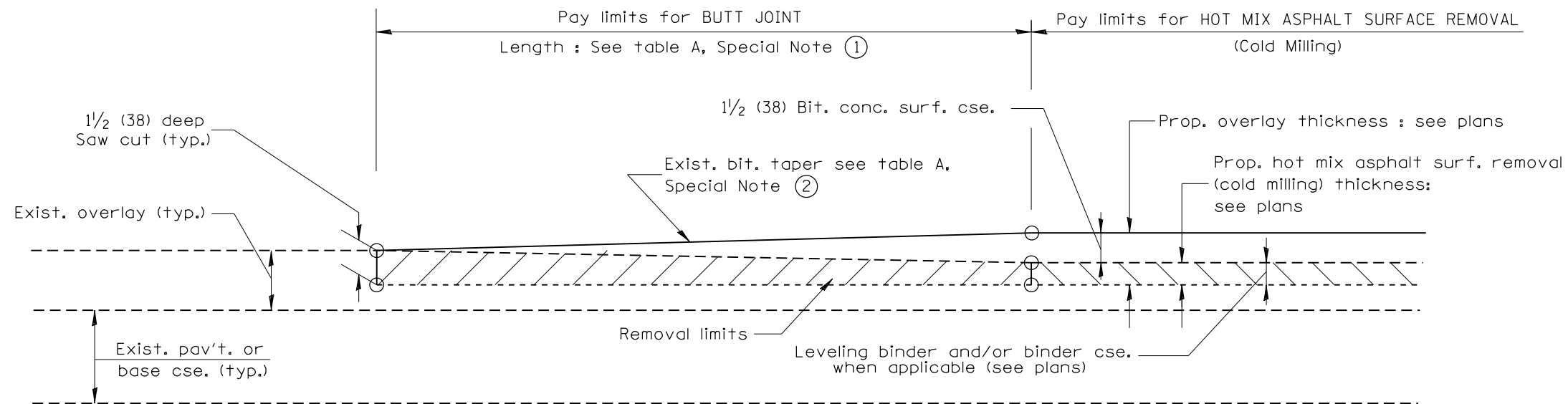
**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.

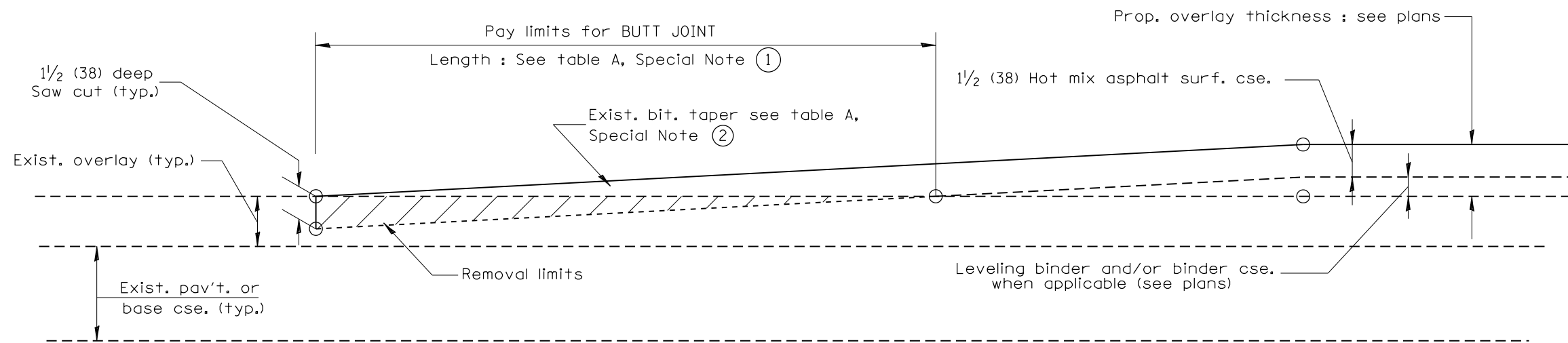


**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

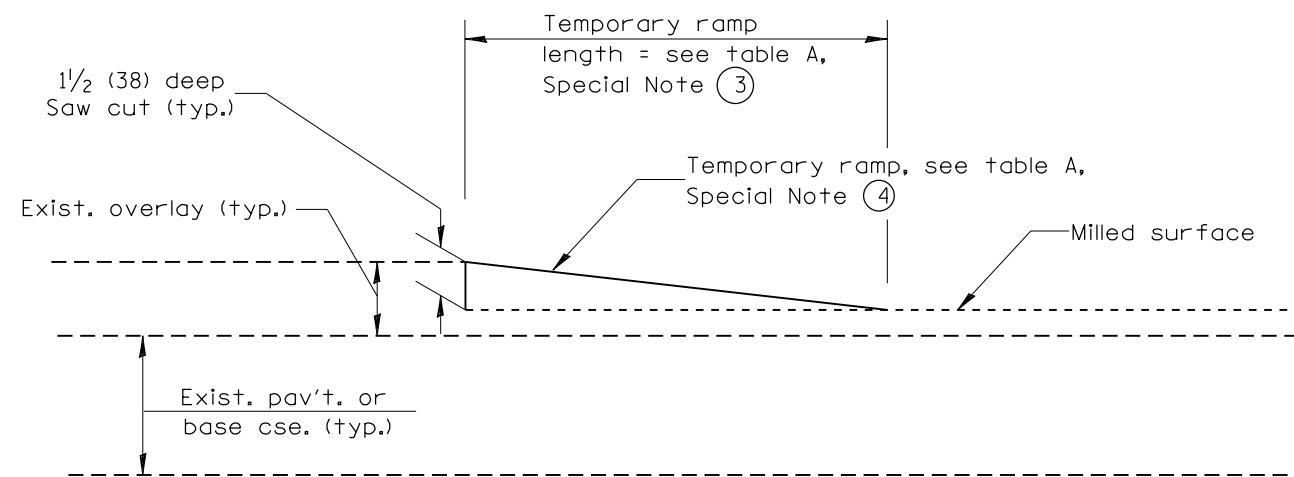
All dimensions are in inches (millimeters) unless otherwise noted.



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**DETAIL TEMPORARY RAMP**

All dimensions are in inches (millimeters) unless otherwise noted.

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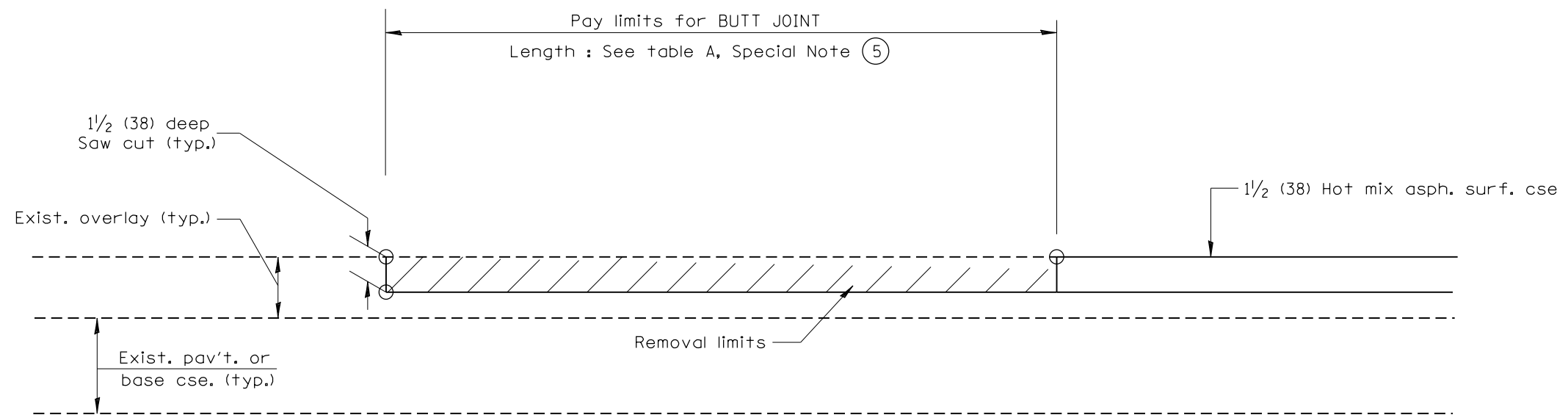
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINTS**

NOT TO SCALE

SHT. 2 OF 3  
CADD STD. 406101-D4

| F.A.P. RTE.                                   | SECTION                        | COUNTY               | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|----------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255                | 113       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                      | CONTRACT NO. 68A26 |           |



CASE 5 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER

All dimensions are in inches (millimeters) unless otherwise noted.

|  |  |  |  |  |  |  |  |  |  |
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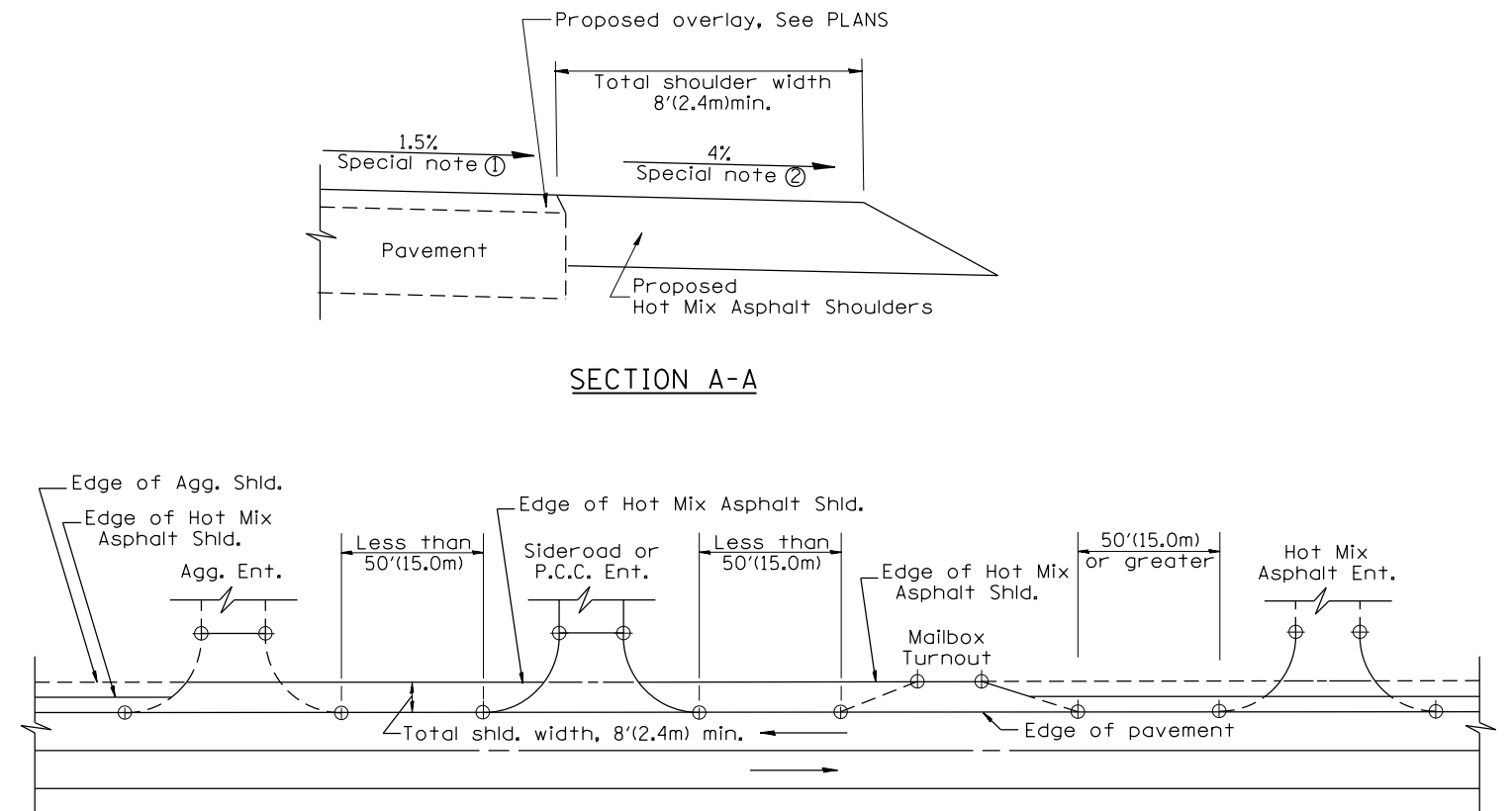
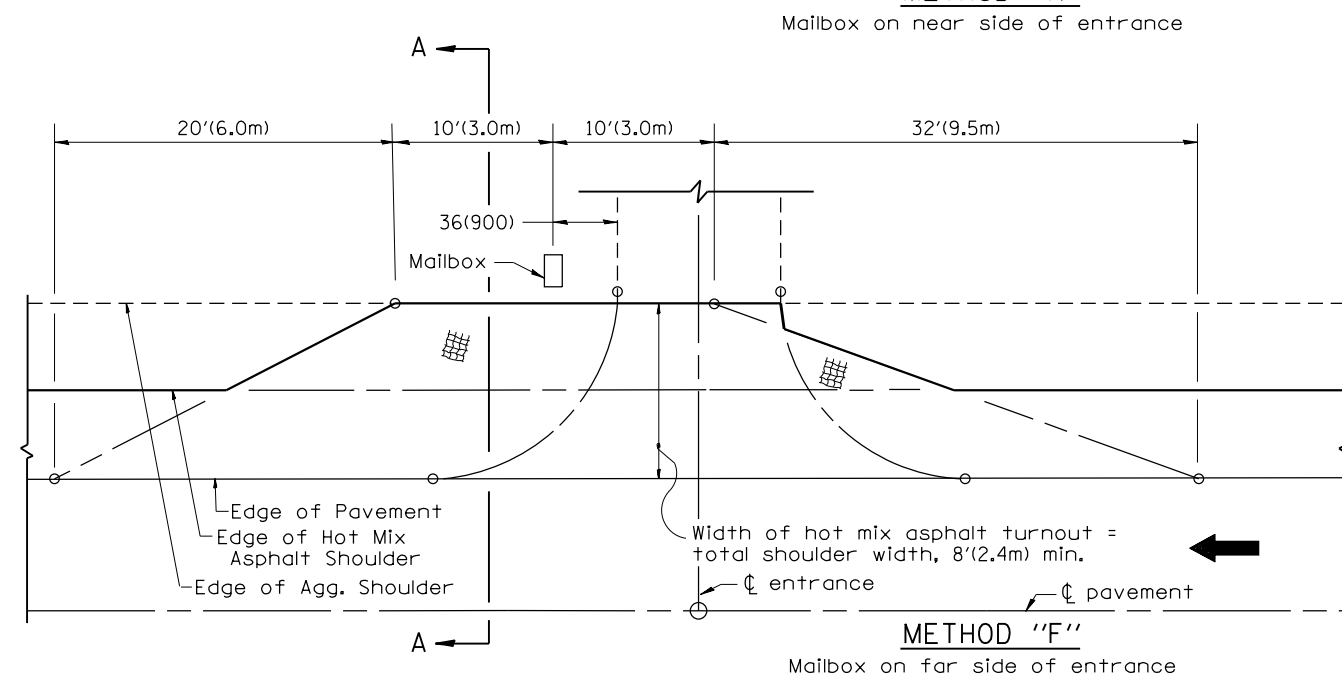
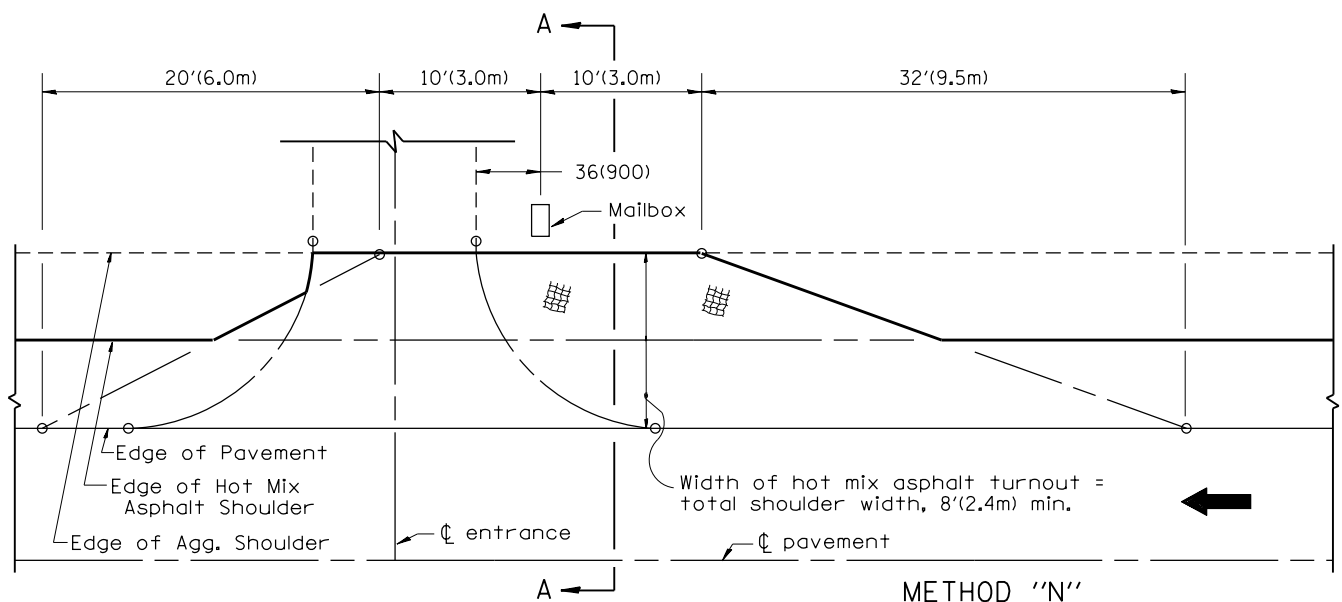
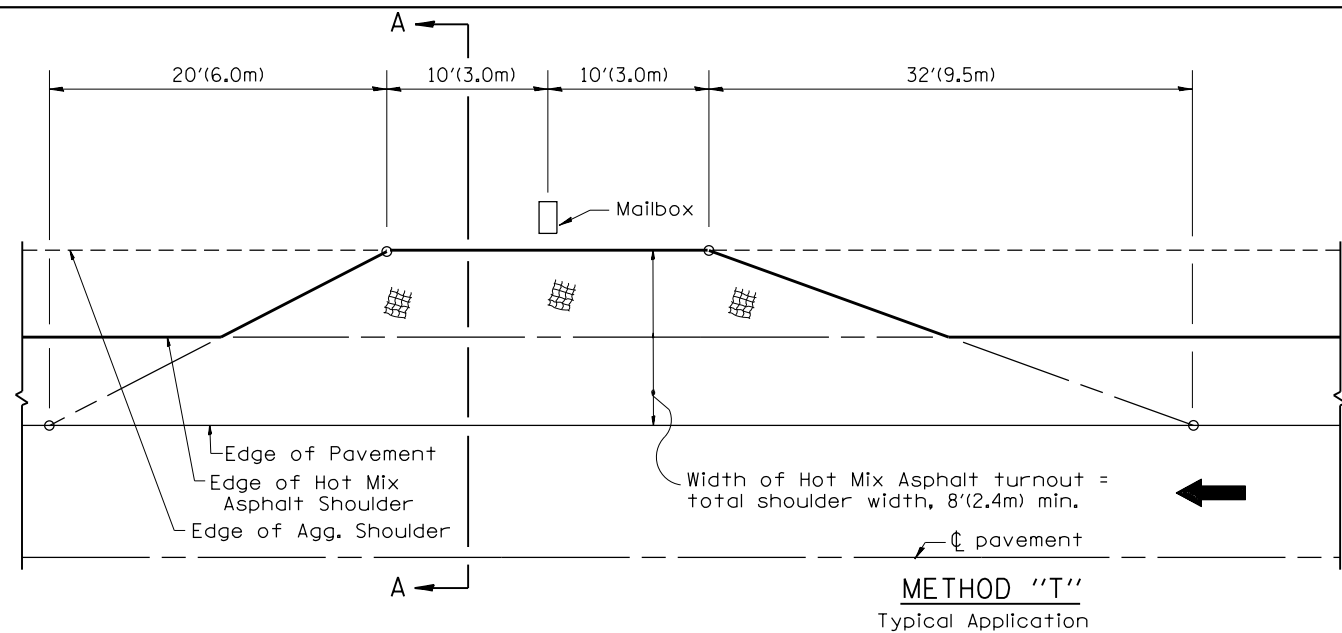
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINTS

NOT TO SCALE

SHT. 3 OF 3  
CADD STD. 406101-D4

| F.A.P. RTE.                                   | SECTION                        | COUNTY               | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|----------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255                | 114       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                      | CONTRACT NO. 68A26 |           |



SHOULDER TREATMENT FOR CLOSELY SPACED SIDEROADS, ENTRANCES, AND/OR MAILBOX TURNOUTS

GENERAL NOTES

- Mailbox turnouts shall slope away from the pavement edge at a rate equal to the shoulder slope. See SECTION A-A.
- The total shoulder width, 8'(2.4m) minimum, shall be paved between sideroads entrances and/or mailbox turnouts at locations where the distance between radius or taper control points is less than 50'(15.0m). See DETAIL A.
- Mailboxes shall be mounted such that the face of the mailbox is 6(150) to 12(300) and the post a minimum of 24(600) from the edge of the turnout surfacing.

SPECIAL NOTES

- The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- The shoulder slope shall control the turnout slope. The standard cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6'(1.8m) and wider and 12% for shoulders 4'(1.2m) and less. Where 12(300) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

All dimensions are in inches (millimeters) unless otherwise noted.

|          |                                  |        |
|----------|----------------------------------|--------|
| 01-01-97 | RENUM. C-90.01, NEW REVISION BOX | T.P.   |
| 07-01-97 | REVISE DESIGNER NOTES            | J.A.   |
| 09-15-05 | REVISED DESIGNER NOTE            | M.M.A. |
| 10-16-06 | REVISED TO 2007 SPEC.            | M.A.   |

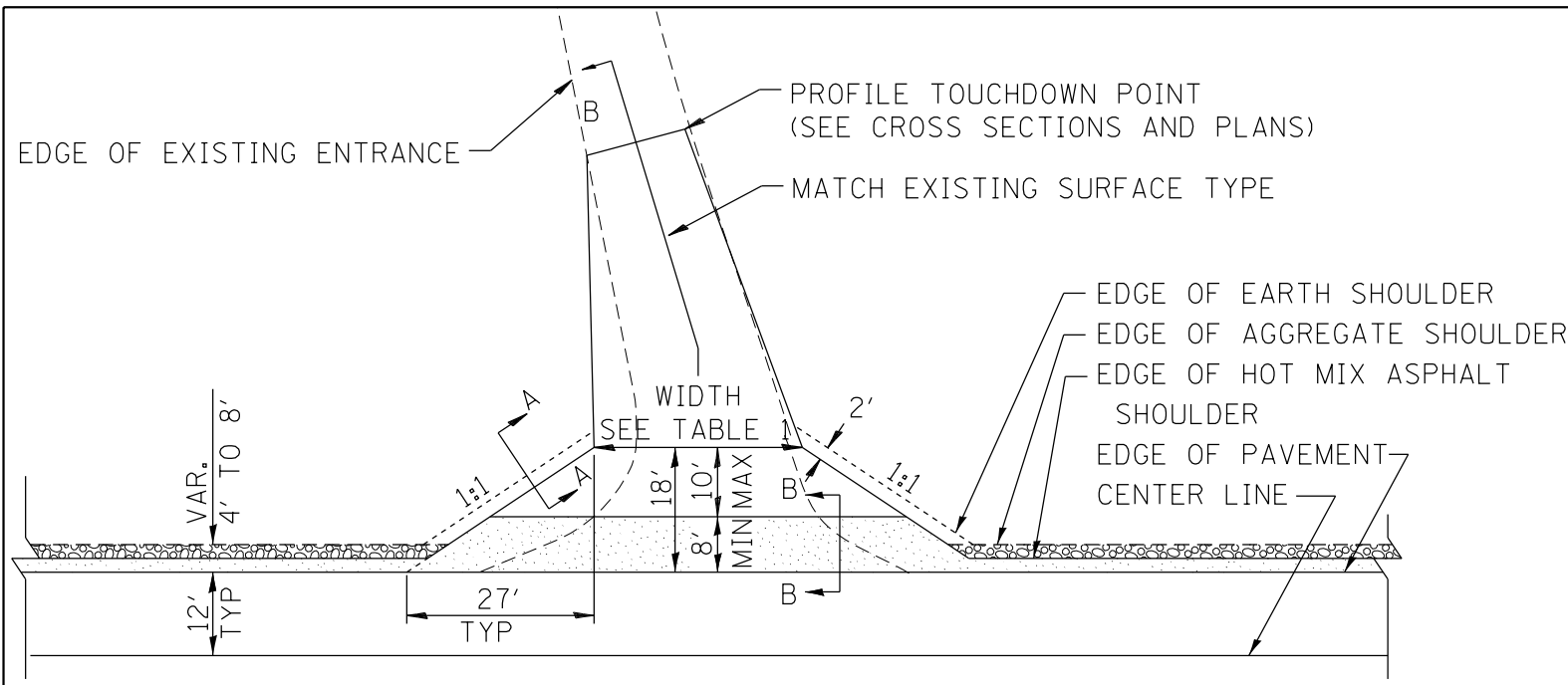
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUTS FOR "3R" PROJECTS

NOT TO SCALE

CADD STD. 406201-D4

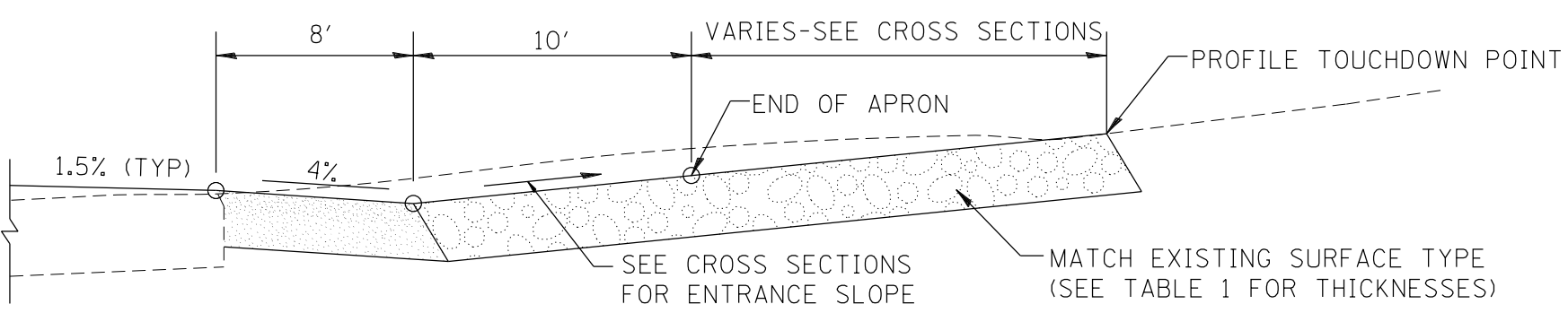
| F.A.P. RTE.                                   | SECTION                        | COUNTY           | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/WARREN | 255                | 115       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                  | CONTRACT NO. 68A26 |           |



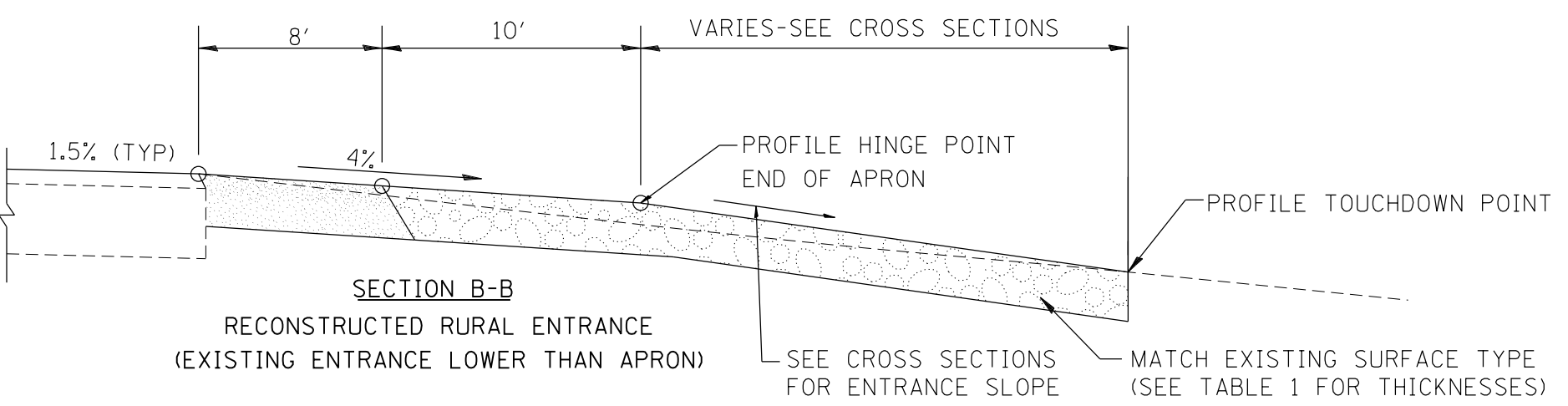
| TABLE 1               |                |                |   |                |                 |                 |
|-----------------------|----------------|----------------|---|----------------|-----------------|-----------------|
| RURAL ENTRANCE DESIGN |                |                |   |                |                 |                 |
| ELEMENT               | NON-COMMERCIAL |                | NON-COMMERCIAL W/<br>LARGE FARM EQUIPMENT |                | COMMERCIAL      |                 |
|                       |                |                |   |                | 1-WAY OPERATION | 2-WAY OPERATION |
| WIDTH (W)             | 12'(3.6m) Min. | 24'(7.2m) Max. | 20' (6.1m)Max.                            | 30' (9.0m)Max. | 14'(4.3m) Min.  | 24'(7.2m) Max.  |
| FLARE                 |                |                |   |                |                 | 1:1             |
| MAX. GRADE (G)        | 12%            |                | 12%                                       |                | 10%             |                 |

| SURFACE TYPE                         |    |    |    |
|--------------------------------------|----|----|----|
| INCIDENTAL HOT MIX ASPHALT SURFACING | 6" | —  | 8" |
| AGGREGATE SURFACE COURSE             | 6" | 8" | 8" |
| PCC DRIVEWAY PAVEMENT                | 6" | —  | 7" |

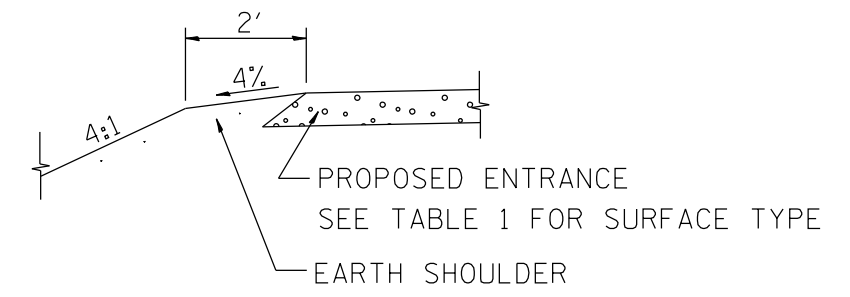
PLAN  
COMMERCIAL / FARM-RELATED ENTRANCE



SECTION B-B  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE HIGHER THAN APRON)



SECTION B-B  
RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE LOWER THAN APRON)



SECTION A-A  
SHOULDER TREATMENT FOR RURAL ENTRANCES

GENERAL NOTES

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.

All dimensions are in inches (millimeters) unless otherwise noted.

|          |                                   |        |          |                       |      |
|----------|-----------------------------------|--------|----------|-----------------------|------|
| 01-01-97 | RENUM. C-103.06, NEW REVISION BOX | T.P.   | 10-16-06 | REVISED TO 2007 SPEC. | M.A. |
| 07-01-97 | REVISE DESIGNER NOTES             | J.A.   |          |                       |      |
| 01-17-03 | ADJUST DESIGN, CHANGE ENTRANCE    | JATR   |          |                       |      |
| 09-15-05 | RADIUS FOR FLARE                  | M.M.A. |          |                       |      |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

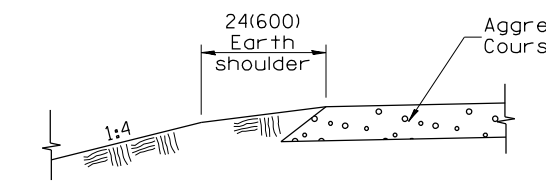
RURAL ENTRANCES FOR "3R" PROJECTS

NOT TO SCALE

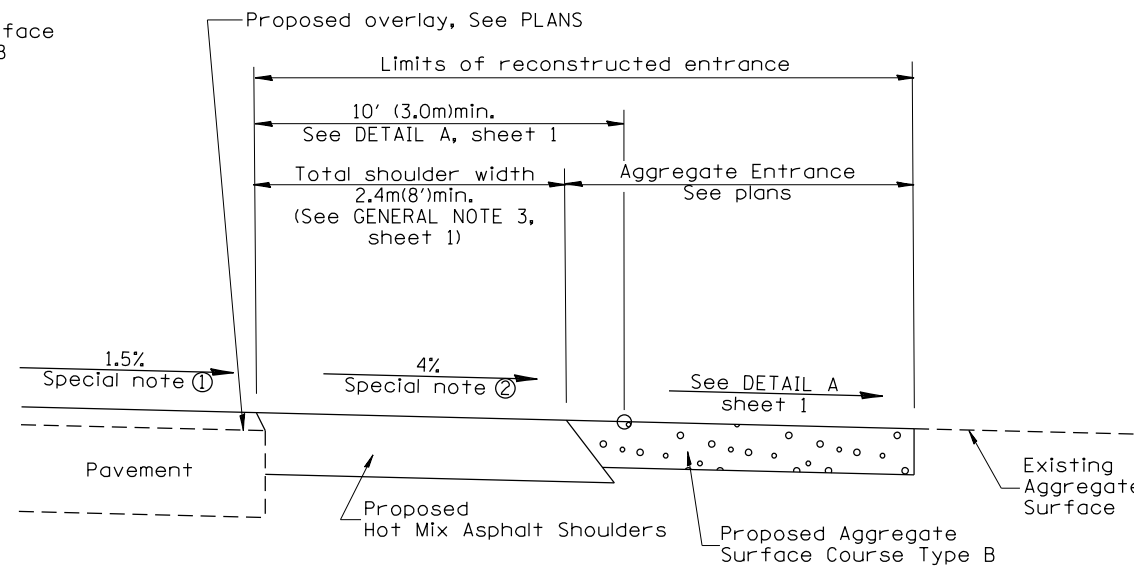
SHT. 1 OF 2  
CADD STD. 406301-D4

|                     |                                |                  |                           |           |
|---------------------|--------------------------------|------------------|---------------------------|-----------|
| F.A.P. RTE.         | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
| 665                 | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/WARREN | 255                       | 116       |
| FED. ROAD DIST. NO. |                                |                  | ILLINOIS FED. AID PROJECT |           |

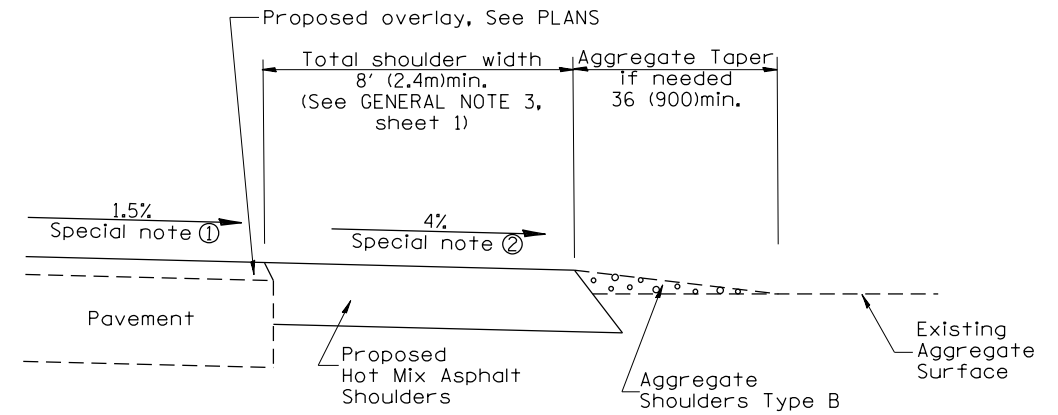




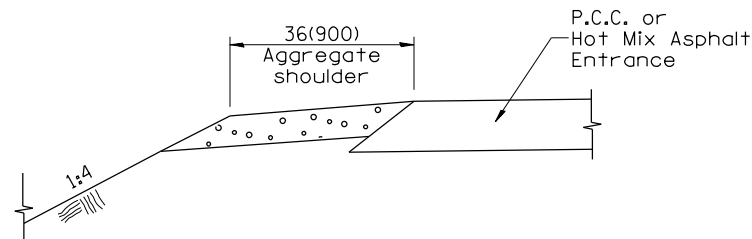
**SECTION A-A**  
SHOULDER TREATMENT FOR AGGREGATE ENTRANCES



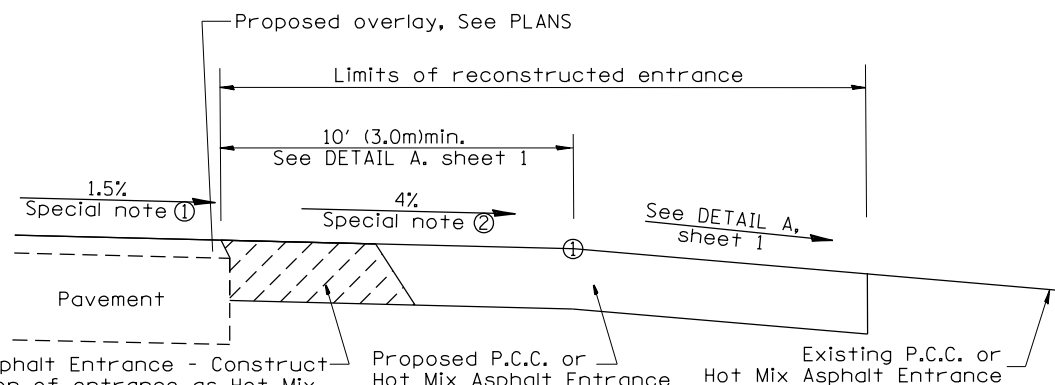
**SECTION B-B**  
RECONSTRUCTED AGGREGATE ENTRANCE



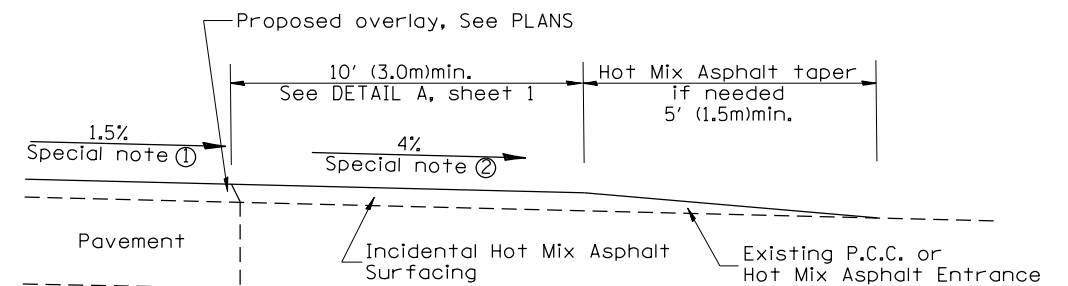
**SECTION B-B**  
EXISTING AGGREGATE ENTRANCE



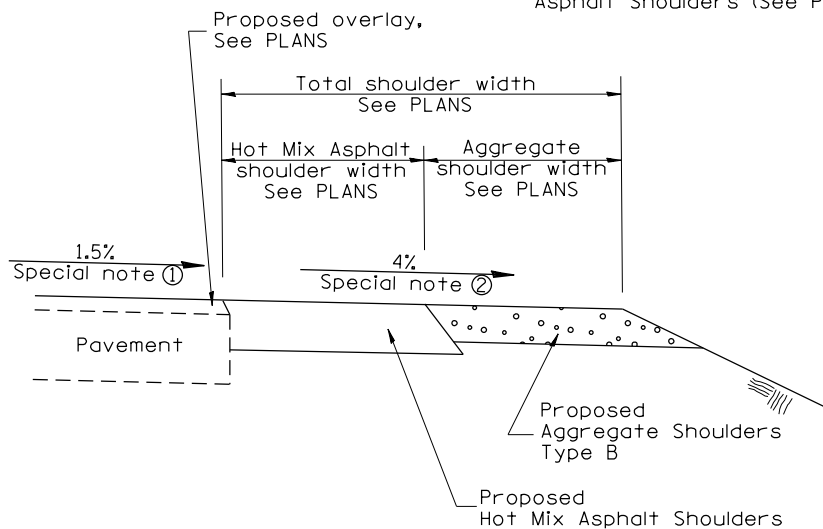
**SECTION C-C**  
SHOULDER TREATMENT FOR P.C.C. OR HOT MIX ASPHALT ENTRANCES



**SECTION D-D**  
RECONSTRUCTED P.C.C. OR HOT MIX ASPHALT ENTRANCE



**SECTION D-D**  
EXISTING P.C.C. OR HOT MIX ASPHALT ENTRANCE



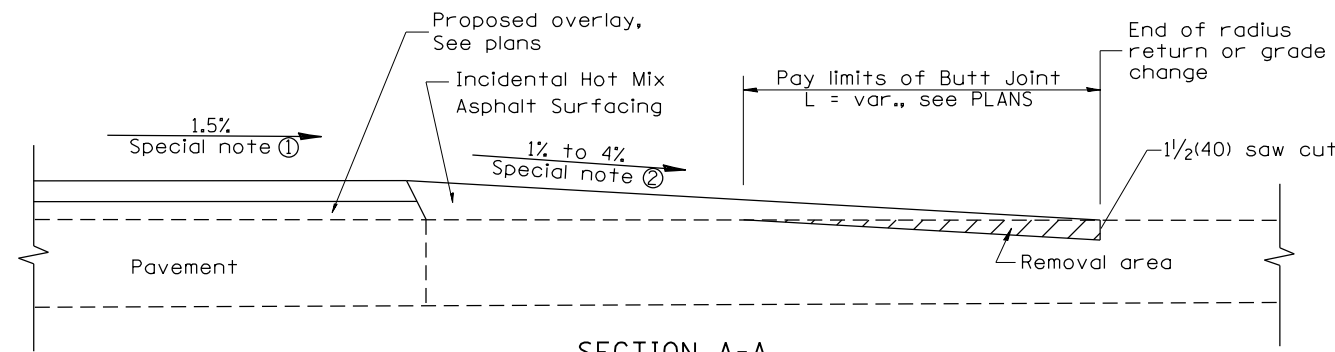
**SECTION E-E**  
MAINLINE SHOULDER TREATMENT

**SPECIAL NOTES**

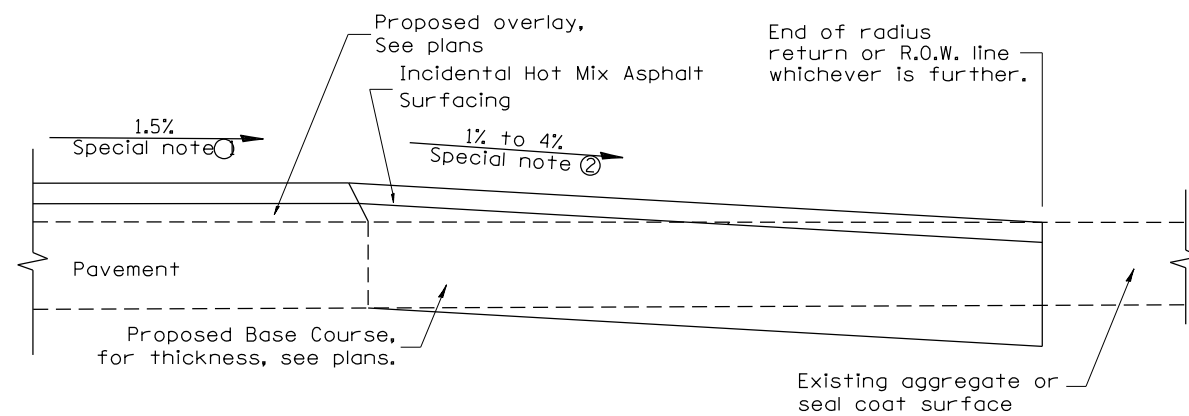
- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on super-elevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through super-elevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' (366cm) paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

All dimensions are in inches (millimeters) unless otherwise noted.

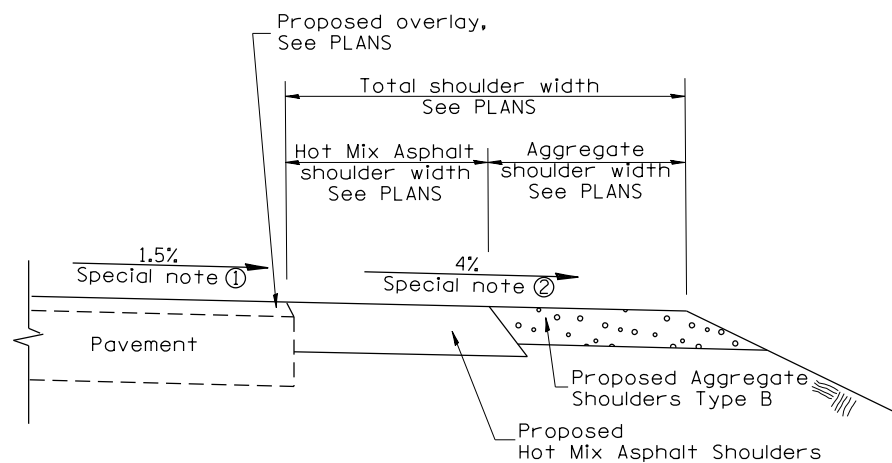
|   |  |  |  |                                    |  |  |  |                     |  |                                |  |                  |  |              |  |           |  |
|---|--|--|--|------------------------------------|--|--|--|---------------------|--|--------------------------------|--|------------------|--|--------------|--|-----------|--|
| STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION |  |  |  | RURAL ENTRANCES FOR "3R" PROJECTS  |  |  |  | F.A.P. RTE.         |  | SECTION                        |  | COUNTY           |  | TOTAL SHEETS |  | SHEET NO. |  |
|   |  |  |  |                                    |  |  |  | 665                 |  | 137W-2,RS-4+138W-3,RS-4+139W-3 |  | HENDERSON/WARREN |  | 255          |  | 117       |  |
| NOT TO SCALE                                      |  |  |  | SHT. 2 OF 2<br>CADD STD. 406301-D4 |  |  |  | FED. ROAD DIST. NO. |  | ILLINOIS                       |  | FED. AID PROJECT |  |              |  |           |  |
|   |  |  |  |                                    |  |  |  |                     |  |                                |  |                  |  |              |  |           |  |



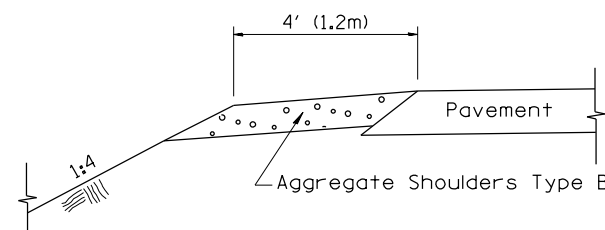
SECTION A-A  
EXISTING PCC OR HOT MIX ASPHALT SIDEROAD



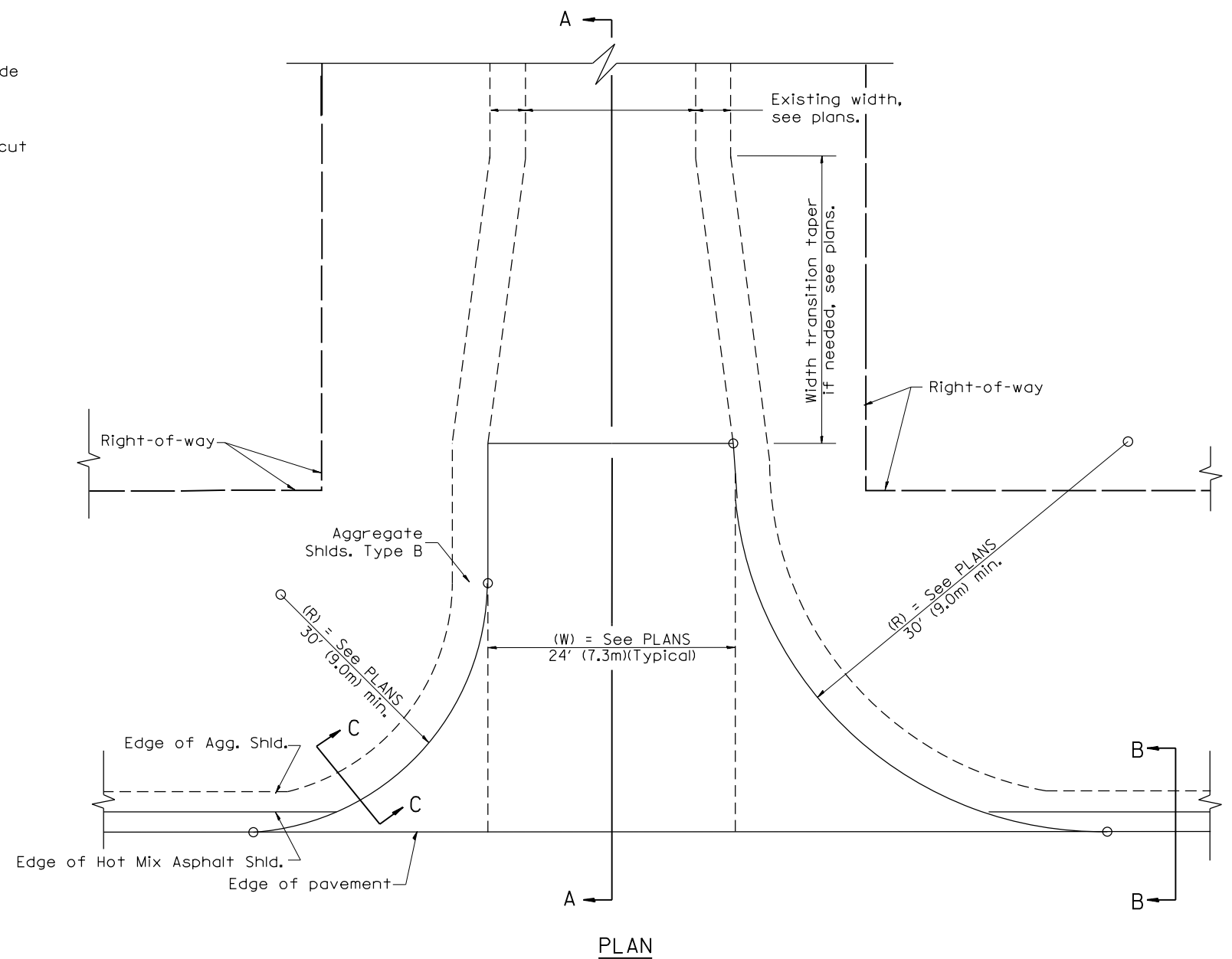
SECTION A-A  
EXISTING AGGREGATE OR SEAL COAT SIDEROAD



SECTION B-B  
MAINLINE SHOULDER TREATMENT



SECTION C-C  
SIDEROAD SHOULDER TREATMENT



PLAN

**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See Plans for cross-slope on superelevated horizontal curves.
- ② The sideroad profile should drain away from the mainline at 1% to 4% for 50' (15.0m) to 100' (30.0m), or as a minimum to the end of the radius return. When the sideroad is on the high side of a mainline superelevated curve, - 2% maximum should be provided in order to minimize breakover at the pavement edge. See plans for sideroad profiles.

|          |                                   |        |  |  |
|----------|-----------------------------------|--------|--|--|
| 01-01-97 | RENUM. C-105.02, NEW REVISION BOX | T.P.   |  |  |
| 07-01-97 | REVISE DESIGNER NOTES             | J.A.   |  |  |
| 09-15-05 | REVISED DESIGNER NOTE             | M.M.A. |  |  |
| 10-16-06 | REVISED TO 2007 SPEC.             | M.A.   |  |  |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RURAL SIDEROADS FOR "3R" PROJECTS

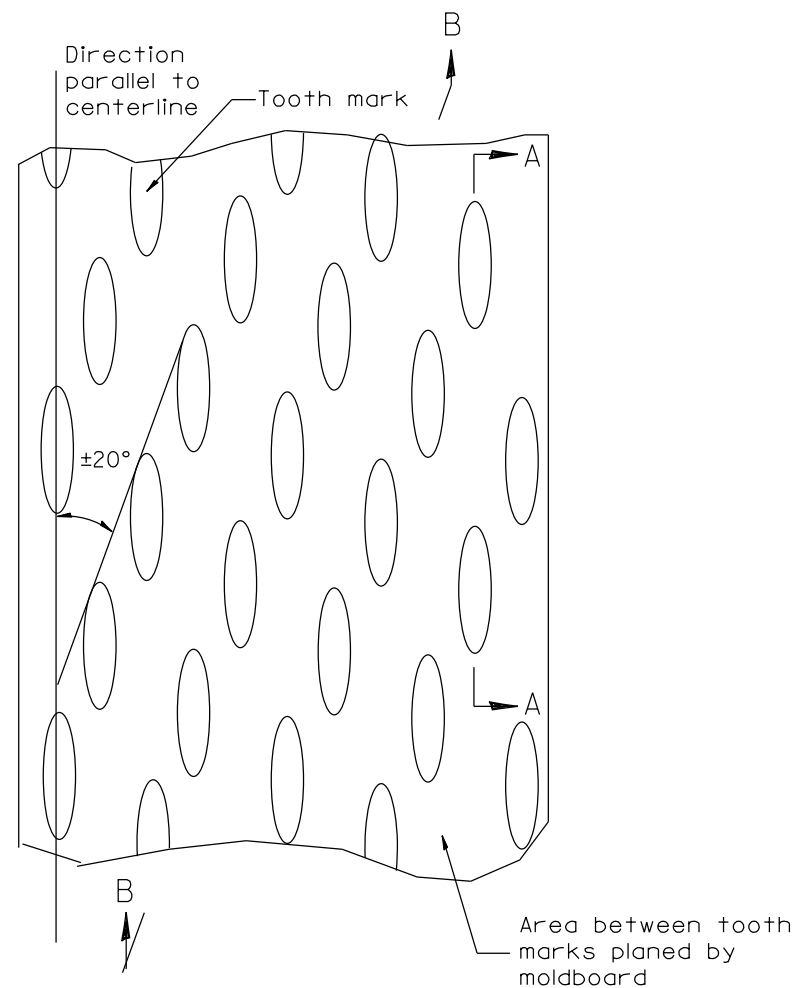
NOT TO SCALE

CADD STD. 406401-D4

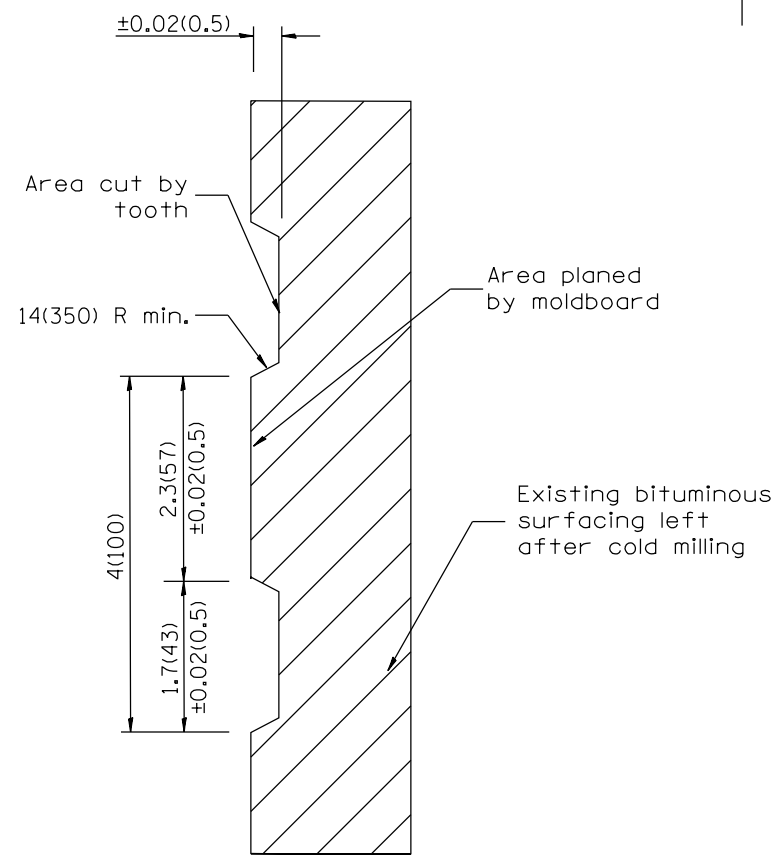
All dimensions are in inches (millimeters) unless otherwise noted.

| F.A.P. RTE.                                   | SECTION                        | COUNTY           | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/WARREN | 255                | 118       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                  | CONTRACT NO. 68A26 |           |

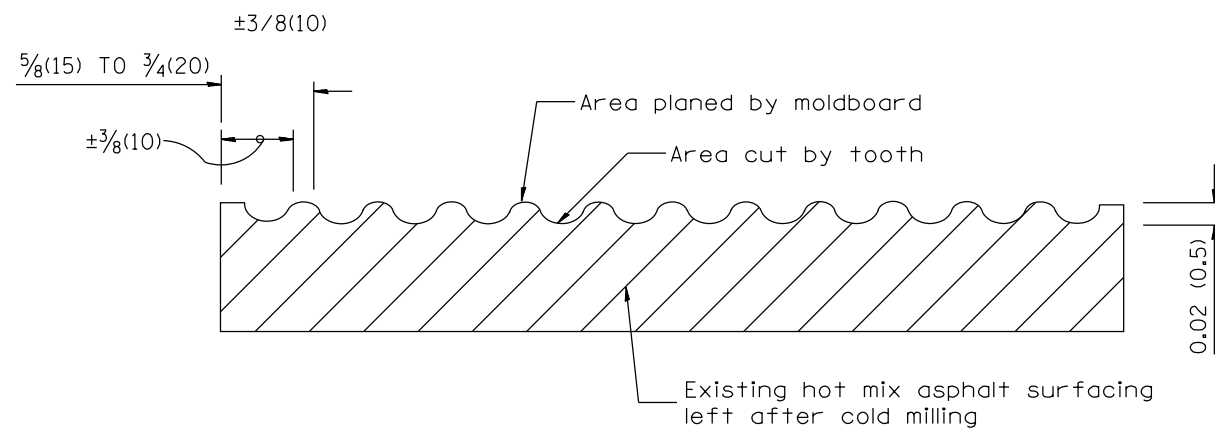




PLAN



SECTION A-A



SECTION B-B PROJECTED  
PERPENDICULAR TO CENTERLINE

General notes:

1. Coldmilling shall consist of two processes: Cutting with carbide teeth mounted on a rotating drum, and planing with a moldboard mounted immediately behind the cutting drum.
2. Other similar patterns will be acceptable if they consist of a smooth, flat, planed surface interspersed with a pattern of discontinuous longitudinal striations.

All dimensions are in inches (millimeters) unless otherwise noted.

|          |                                      |      |
|----------|--------------------------------------|------|
| 01-01-97 | RENUM. C-104.01, NEW REVISION BOX    | T.P. |
| 04-20-98 | REMOVED MILLING DETAIL FROM STANDARD | J.A. |
| 09-08-98 | CORRECT NOTE LEADER PLACEMENT        | R.W. |
| 10-16-06 | REVISED TO 2007 SPEC.                | M.A. |

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

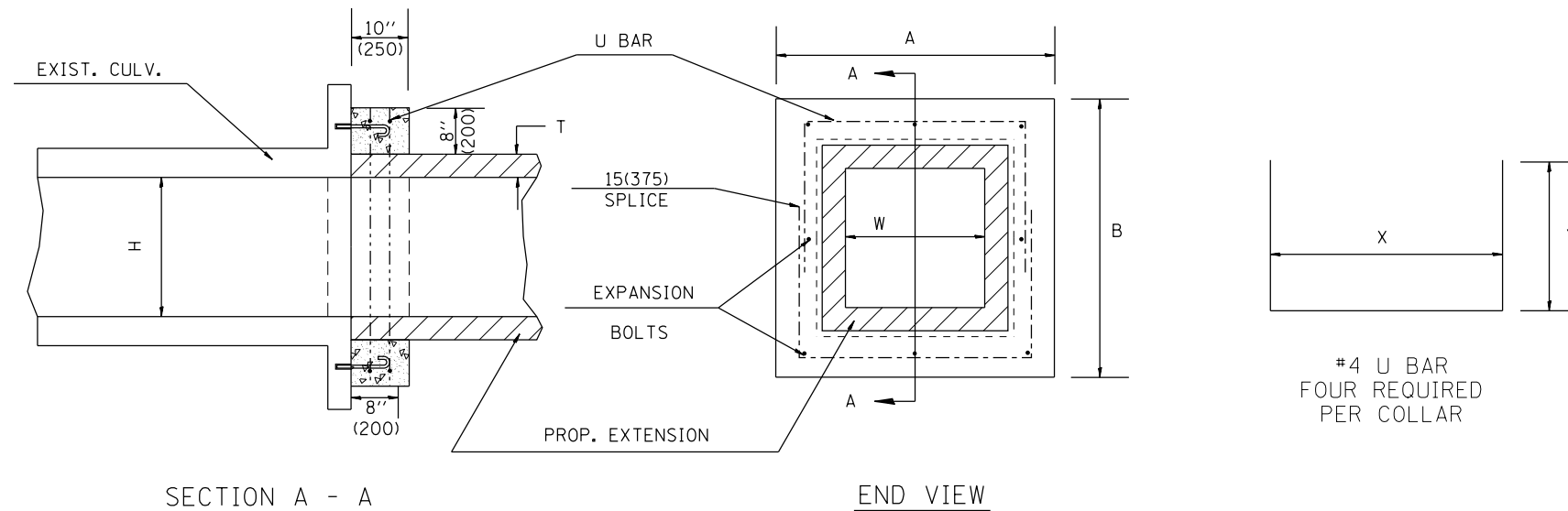
HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)

NOT TO SCALE

CADD STD. 440001-D4

| F.A.P. RTE.                                   | SECTION                        | COUNTY               | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|----------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255                | 120       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                      | CONTRACT NO. 68A26 |           |

• MINIMUM 1' LAP ON U BARS



GENERAL NOTES

1. The collar shall be constructed entirely of class SI concrete and in accordance with the applicable portions of section 503 of the Standard Specifications. Reinforcement bars shall conform to section 508.
2. Expansion bolts shall consist of approved expansions anchors, and 3/4" (M20) hook bolts which conform to Section 1006.09. These bolts shall extend at least 8"(200) into the new concrete.
3. This work will be paid for by the cubic yard (cubic meter) for CONCRETE COLLAR, by the pound (kg) for REINFORCEMENT BARS, and by Each for EXPANSION BOLTS of the size indicated.

#4 U BAR  
FOUR REQUIRED  
PER COLLAR

DIMENSIONS

| EXISTING BOX |              | A              | B              | T      | EACH COLLAR                      |                            |                 |                                       |    |
|--------------|--------------|----------------|----------------|--------|----------------------------------|----------------------------|-----------------|---------------------------------------|----|
| W<br>ft (mm) | H<br>ft (mm) |                |                |        | CL SI<br>CU YD (m <sup>3</sup> ) | REINFORCEMENT<br>BARS<br>X | Y               | EXPANSION BOLTS<br>POUNDS (kg)<br>NO. |    |
| 2 (600)      | 2 (600)      | 4'-0" (1.22m)  | 4'-0" (1.22m)  | 4(100) | 0.27(0.21)                       | 3'-4" (1.02m)              | 27.5(698)       | 21 (9.5)                              | 8  |
| 3 (900)      | 2 (600)      | 5'-0" (1.52m)  | 4'-0" (1.22m)  | 4(100) | 0.32(0.24)                       | 4'-4" (1.32m)              | 27.5(698)       | 24 (11)                               | 8  |
| 3 (900)      | 2.5 (750)    | 5'-0" (1.52m)  | 4'-6" (1.37m)  | 4(100) | 0.34(0.26)                       | 4'-4" (1.32m)              | 30.5(774)       | 25 (11.5)                             | 8  |
| 3 (900)      | 3 (900)      | 5'-0" (1.52m)  | 5'-0" (1.52m)  | 4(100) | 0.36(0.28)                       | 4'-4" (1.32m)              | 33.5(850)       | 26.5 (12)                             | 8  |
| 3 (900)      | 4 (1200)     | 5'-2" (1.57m)  | 6'-2" (1.88m)  | 5(125) | 0.41(0.31)                       | 4'-6" (1.37m)              | 40.5(1.03m)     | 30 (13.5)                             | 10 |
| 4 (1200)     | 3 (900)      | 6'-2" (1.88m)  | 5'-2" (1.57m)  | 5(125) | 0.41(0.31)                       | 5'-6" (1.68m)              | 34.5(876)       | 30 (13.5)                             | 10 |
| 4 (1200)     | 4 (1200)     | 6'-2" (1.88m)  | 6'-2" (1.88m)  | 5(125) | 0.45(0.34)                       | 5'-6" (1.68m)              | 40.5(1.03m)     | 33 (15)                               | 12 |
| 4 (1200)     | 5 (1500)     | 6'-4" (1.93m)  | 7'-4" (2.24m)  | 6(150) | 0.51(0.39)                       | 5'-8" (1.73m)              | 3'-11.5"(1.21m) | 36 (16.5)                             | 14 |
| 5 (1500)     | 4 (1200)     | 7'-4" (2.24m)  | 6'-4" (1.93m)  | 6(150) | 0.51(0.39)                       | 6'-8" (2.03m)              | 3'-5.5"(1.05m)  | 36 (16.5)                             | 14 |
| 5 (1500)     | 5 (1500)     | 7'-4" (2.24m)  | 7'-4" (2.24m)  | 6(150) | 0.55(0.42)                       | 6'-8" (2.03m)              | 3'-11.5"(1.21m) | 39 (17.5)                             | 16 |
| 5 (1500)     | 6 (1800)     | 7'-6" (2.29m)  | 8'-6" (2.59m)  | 7(175) | 0.60(0.46)                       | 6'-10" (2.08m)             | 4'-6.5"(1.38m)  | 42.5 (19)                             | 16 |
| 6 (1800)     | 4 (1200)     | 8'-6" (2.59m)  | 6'-6" (1.98m)  | 7(175) | 0.56(0.43)                       | 7'-10" (2.39m)             | 3'-6.5"(1.08m)  | 40 (18)                               | 14 |
| 6 (1800)     | 5 (1500)     | 8'-6" (2.59m)  | 7'-6" (2.29m)  | 7(175) | 0.60(0.46)                       | 7'-10" (2.39m)             | 4'-0.5"(1.23m)  | 42.5 (19)                             | 16 |
| 6 (1800)     | 6 (1800)     | 8'-6" (2.59m)  | 8'-6" (2.59m)  | 7(175) | 0.64(0.49)                       | 7'-10" (2.39m)             | 4'-6.5"(1.38m)  | 45 (20.5)                             | 16 |
| 6 (1800)     | 8 (2400)     | 8'-8" (2.64m)  | 10'-8" (3.25m) | 8(200) | 0.74(0.57)                       | 8'-0" (2.44m)              | 5'-7.5"(1.71m)  | 51.5 (23)                             | 18 |
| 8 (2400)     | 8 (2400)     | 10'-8" (3.25m) | 10'-8" (3.25m) | 8(200) | 0.82(0.63)                       | 10'-0" (3.05m)             | 5'-7.5"(1.71m)  | 57 (26)                               | 20 |

QUANTITIES

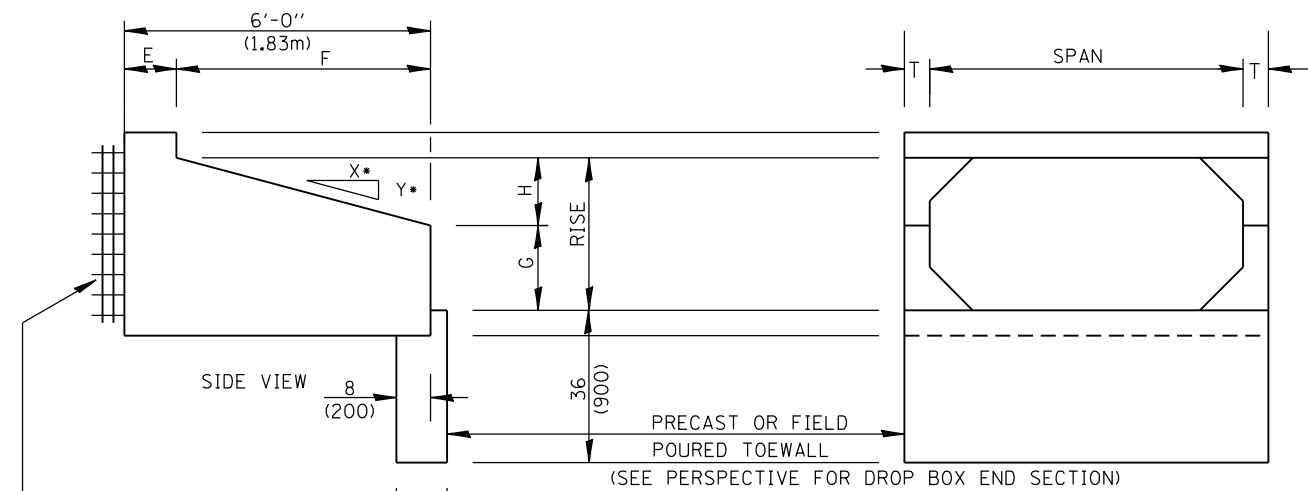
CALC. BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE, BUREAU OF PROJECT IMPLEMENTATION, DOCUMENTATION SECTION

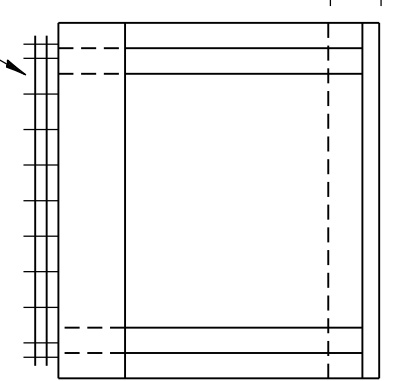
All dimensions are in inches (millimeters) unless otherwise noted.

|          |  |      |  |  |   |                                   |              |                     |                    |                                |                  |              |           |
|----------|--|------|--|--|---|-----------------------------------|--------------|---------------------|--------------------|--------------------------------|------------------|--------------|-----------|
| 01-01-97 | RENUM. J-12.01, METRICS, NEW REVISION BOX, REVISED | T.P. |  |  | STATE OF ILLINOIS<br>DEPARTMENT OF TRANSPORTATION | COLLAR FOR BOX CULVERT EXTENSIONS | NOT TO SCALE | CADD STD. 540001-D4 | F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|          | TITLE BOX, ADDED QUANTITY CALCULATION BOX          |      |  |  |   |                                   |              |                     | 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 121       |
| 10-16-06 | REV. TO 2007 SPEC., REINF. BARS COL.               | M.A. |  |  |   |                                   |              |                     | CONTRACT NO. 68A26 |                                |                  |              |           |
| 2-15-11  | ADDED GENERAL NOTE #3 & REVISED BAR LAP LENGTH     | R.D. |  |  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT     |                                   |              |                     |                    |                                |                  |              |           |



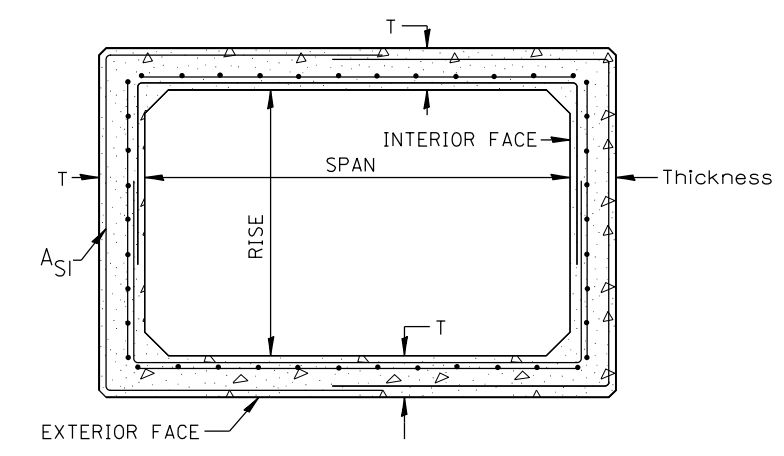


LEAVE 10(250) OF REINFORCEMENT EXPOSED AND PLACE THIS END INTO CONCRETE COLLAR

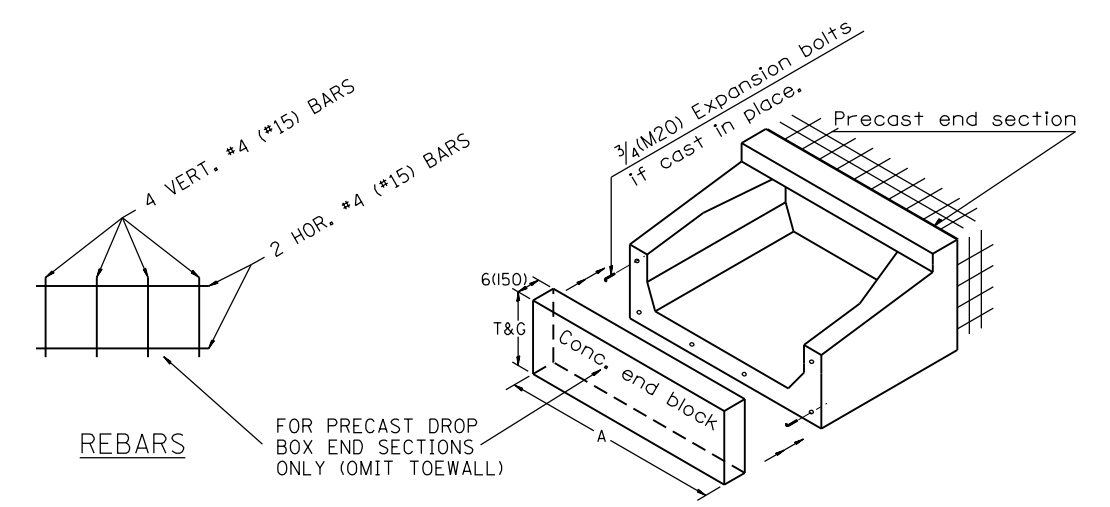


PLAN

END VIEW



CROSS-SECTION



PERSPECTIVE

**GENERAL NOTES:**

1. The Box Culvert Sections shall conform to ASTM C1577.
2. The External Sealing Band shall conform to ASTM C 877. The appropriate portions of Articles 550.02(I) and 1057.01 of the Standard Specifications shall apply.
3. Shop plans for the Precast Reinforced Box Culvert Sections, End Sections and Drop Box End Sections shall be submitted in accordance with Article 540.06 of the Standard Specifications.
4. All dimensions shall be verified with the Supplier.

All dimensions are in inches (millimeters) unless otherwise noted.

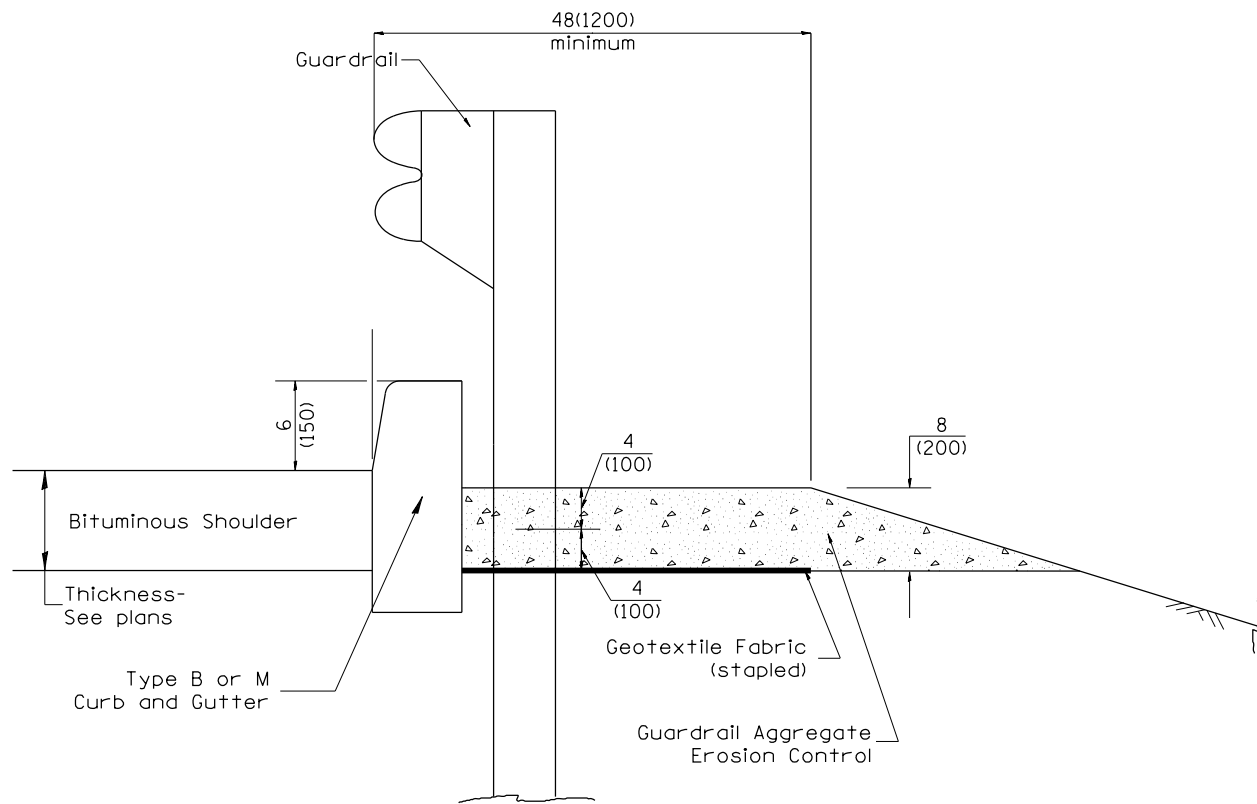
|          |  |      |          |                       |      |   |  |   |                                |                      |              |           |  |
|----------|--|------|----------|-----------------------|------|---|--|---|--------------------------------|----------------------|--------------|-----------|--|
| 01-01-97 | RENUM. J-12.08 AND J-12.09, NEW FORMAT, METRICS. | T.P. | 10-16-06 | REVISED TO 2007 SPEC. | M.A. | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>PRECAST CONCRETE BOX CULVERTS (SPECIAL),<br/>END SECTION (SPECIAL), &amp;<br/>DROP BOX END SECTIONS (SPECIAL)</b> | F.A.P. RTE.                                   | SECTION                        | COUNTY               | TOTAL SHEETS | SHEET NO. |  |
| 05-01-97 | NEW REVISION BOX, NOTES                          |      | 04-16-12 | REVISED               | R.D. |   |  | 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255          | 123       |  |
| 06-17-99 | CORRECT TITLE & GEN. NOTES                       | J.A. |          |                       |      |   |  | CONTRACT NO. 68A26                            |                                |                      |              |           |  |
|          | CORRECT DIMENSIONS                               | J.A. |          |                       |      |   |  | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                      |              |           |  |

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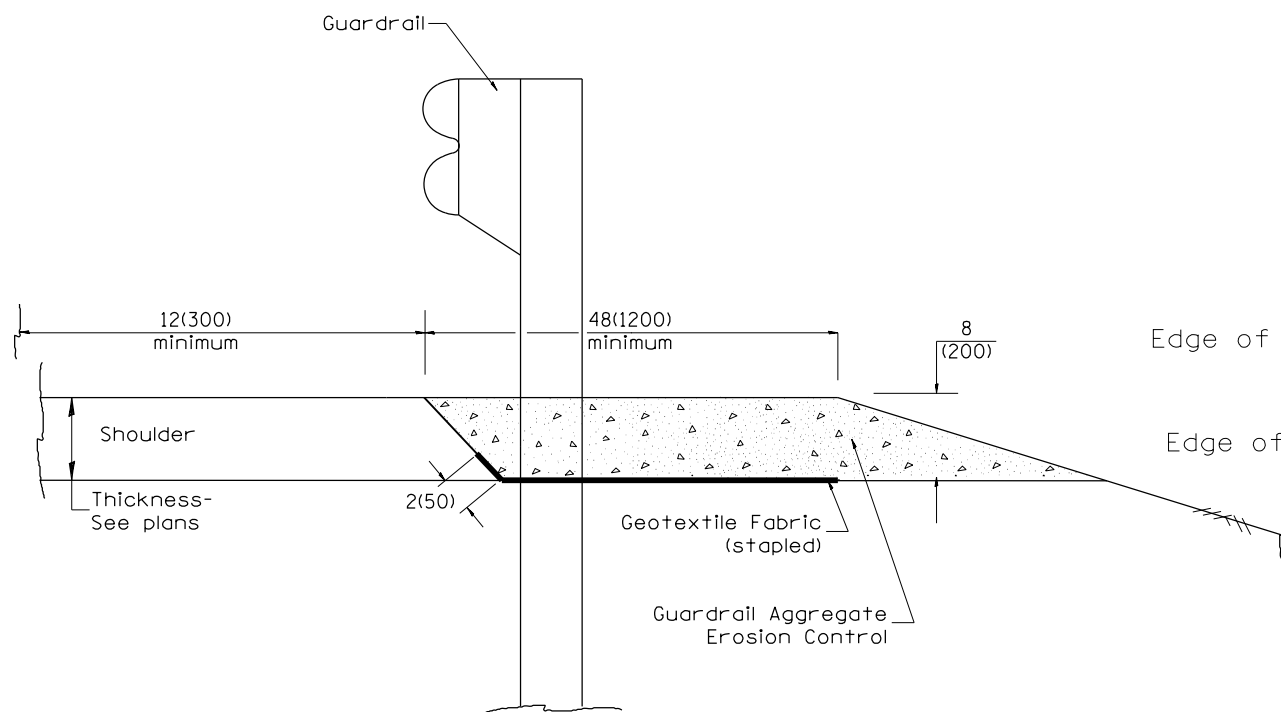
CADD STD. 540401-D4







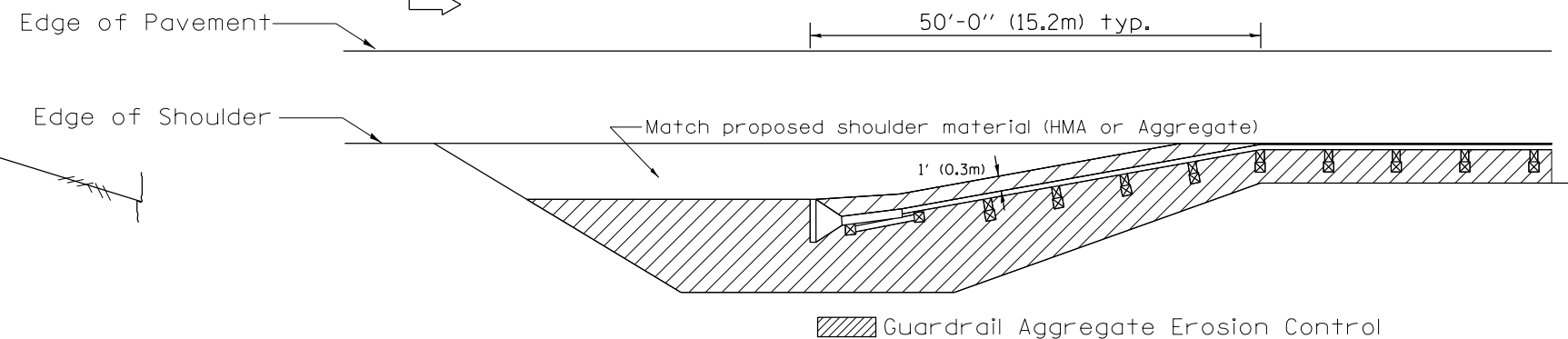
TYPICAL SECTION WITH EROSION CONTROL CURB



TYPICAL SECTION WITHOUT EROSION CONTROL CURB

GENERAL NOTES: GUARDRAIL AGGREGATE EROSION CONTROL

1. This work shall consist of grading as needed, furnishing and installing geotextile fabric and staples, and furnishing, placing and shaping crushed aggregate around and behind Steel Plate Beam Guardrail posts in accordance with Plan Details.
2. Before placing the aggregate and the Geotextile Fabric, weeds and grass shall be removed from the area to be covered.
3. After the area has been prepared, and in a dry condition, the Geotextile fabric shall be placed with a 12(300) minimum overlap. A knife cut for guardrail post installation is necessary.
4. The aggregate shall be deposited, compacted and shaped by either mechanical or hand methods, in a manner reasonably true to line and grade.
5. The Contractor shall have the option of placing the guardrail before or after the Geotextile Fabric and Aggregate are in place. If the guardrail is placed after the Geotextile Fabric and Aggregate, then any voids must be filled and the aggregate returned to line and grade.
6. Materials shall meet the following requirements:
  - A. The crushed aggregate shall be CA1 gradation in accordance with Article 1004.01(c) of the Standard Specifications.
  - B. The Geotextile Fabric shall be nonwoven fabric in accordance with Article 1080.02 of the Standard Specifications.



All dimensions are in inches (millimeters) unless otherwise noted.

|          |                                     |      |         |                                |      |
|----------|-------------------------------------|------|---------|--------------------------------|------|
| 01-01-97 | RENUM. C-22.01, NEW REVISION BOX    | T.P. | 3-7-11  | Added Detail showing plan view | R.D. |
| 03-01-97 | CORRECT STD. NUMBERS IN NOTES PG. 2 | J.A. | 8-10-12 | Revised curb "B" and aggregate | R.D. |
| 11-03-00 | CORRECTION TO NOTES                 | M.A. |         |                                |      |
| 10-16-06 | REVISED TO 2007 SPEC.               | M.A. |         |                                |      |

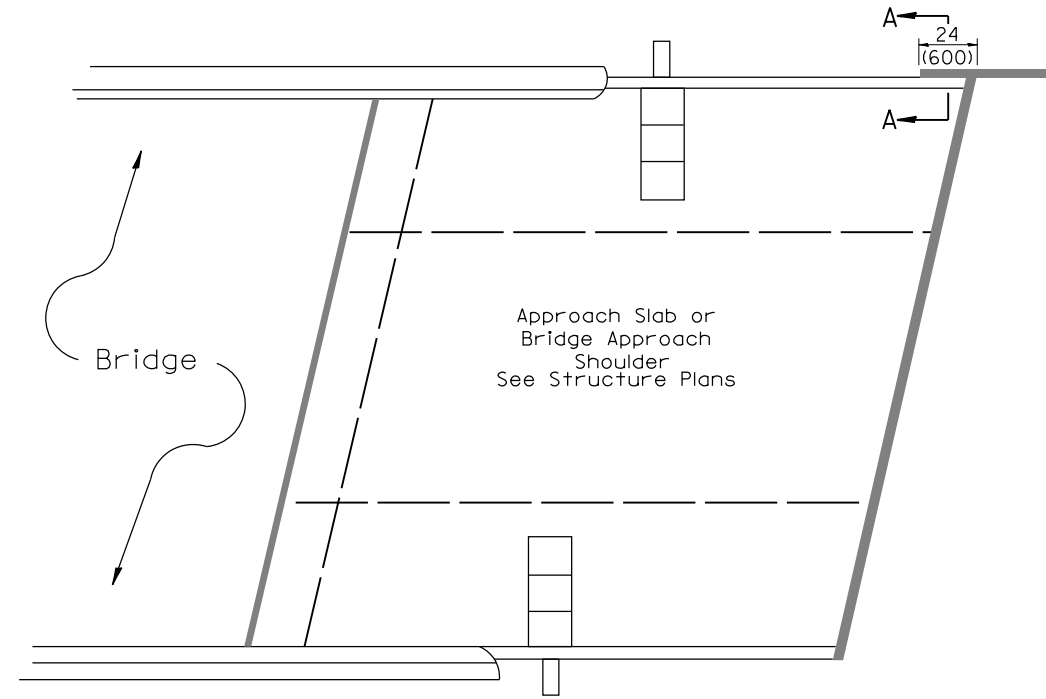
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

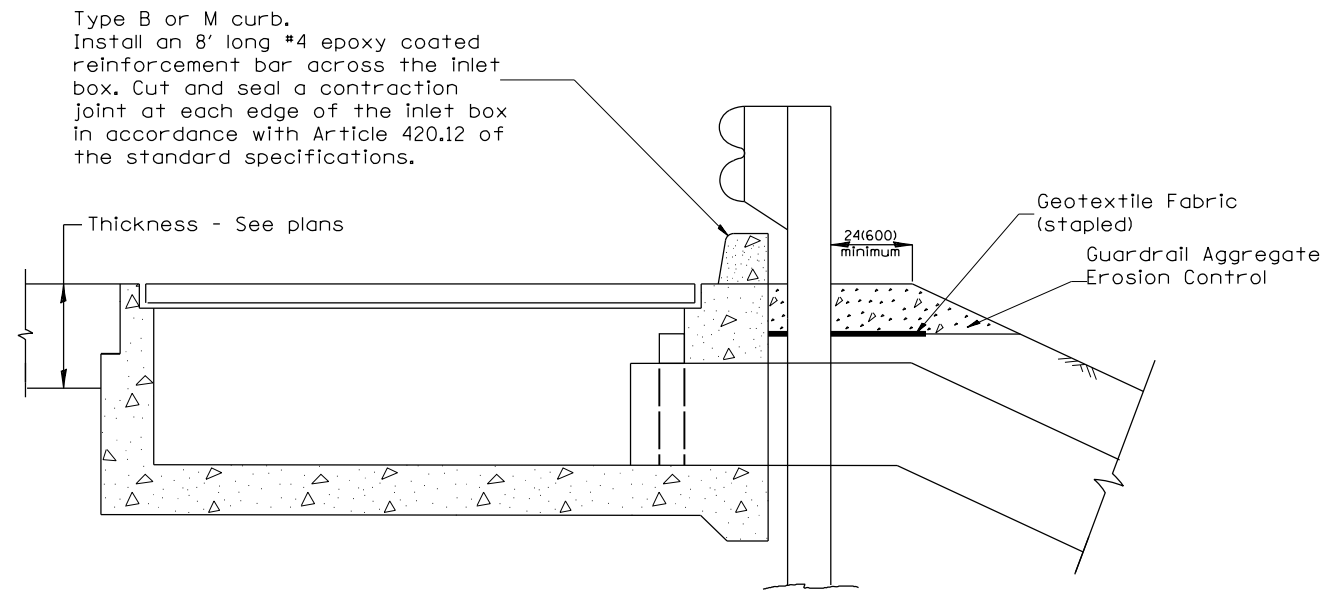
SHT. 1 OF 2  
CADD STD. 630101-D4

| F.A.P. RTE.                                   | SECTION                        | COUNTY           | TOTAL SHEETS       | SHEET NO. |
|---|--------------------------------|------------------|--------------------|-----------|
| 665   | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/WARREN | 255                | 125       |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |                                |                  | CONTRACT NO. 68A26 |           |

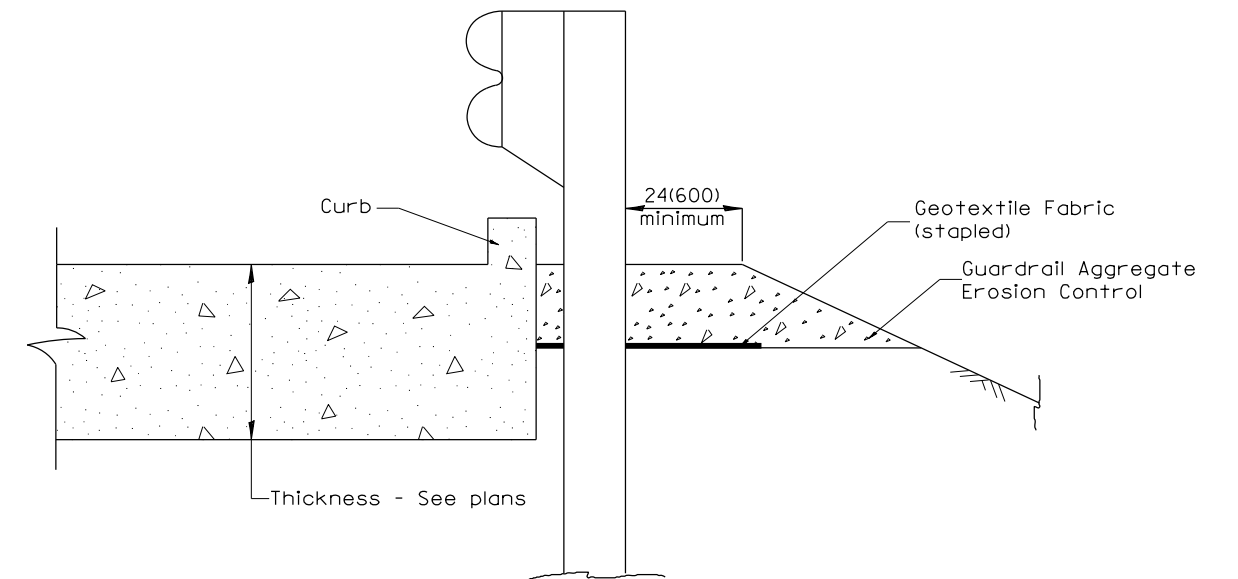


PLAN VIEW

APPROACH SLAB OR BRIDGE APPROACH SHOULDER  
(STANDARD 609001 or 609006)



TYPICAL SECTION AT INLETS  
TYPE E & F (STANDARD 610001)



SECTION A-A  
TYPICAL SECTION WITH BRIDGE APPROACH CURB

All dimensions are in inches (millimeters) unless otherwise noted.

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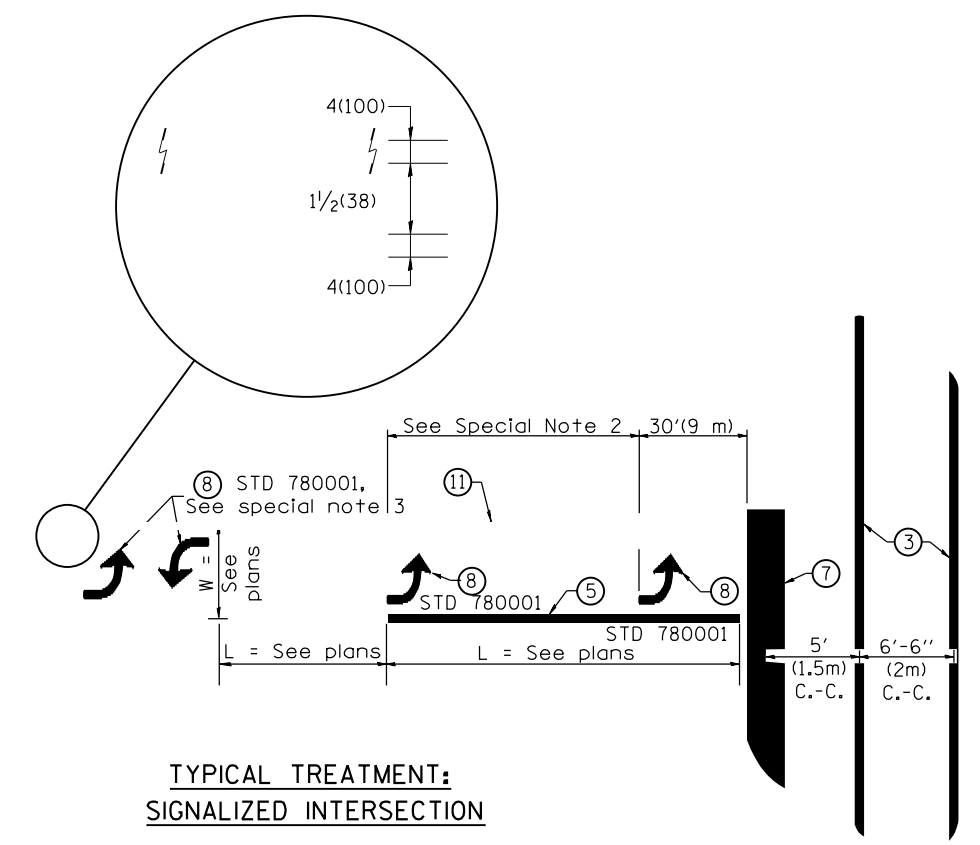
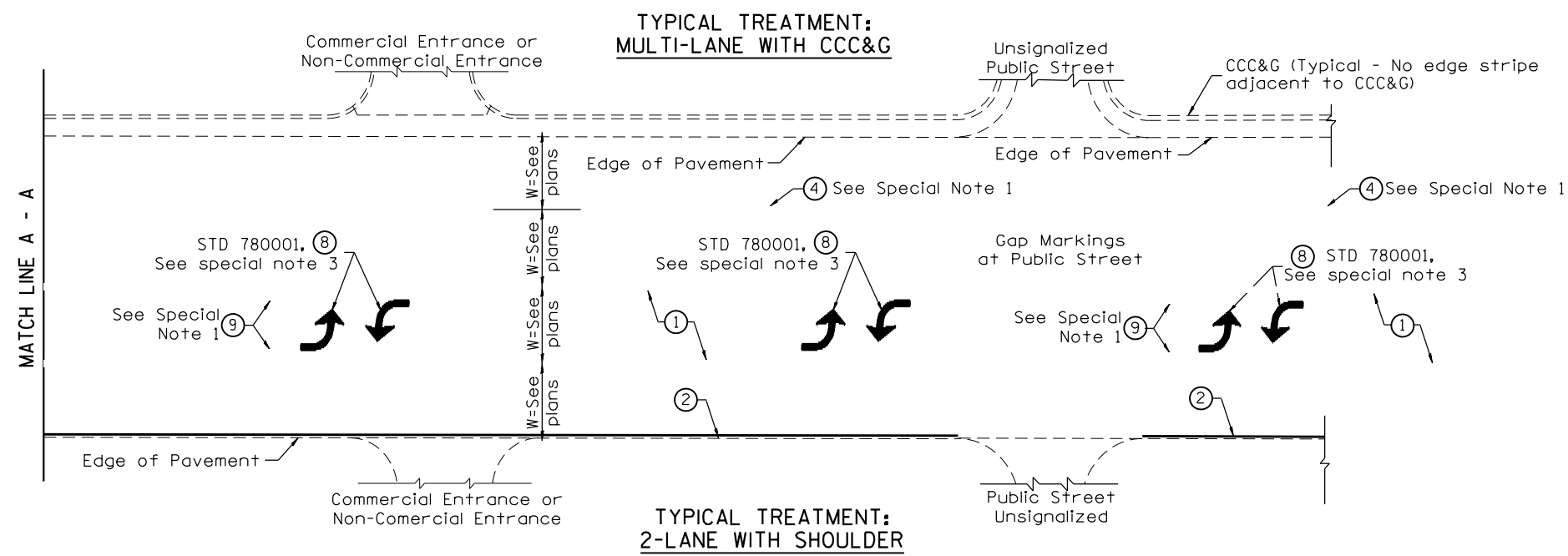
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GUARDRAIL EROSION CONTROL TREATMENTS

NOT TO SCALE

SHT. 2 OF 2  
CADD STD. 630101-D4

| F.A.P. RTE.         | SECTION                        | COUNTY                    | TOTAL SHEETS | SHEET NO. |
|---------------------|--------------------------------|---------------------------|--------------|-----------|
| 665                 | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN      | 255          | 126       |
| CONTRACT NO. 68A26  |                                |                           |              |           |
| FED. ROAD DIST. NO. |                                | ILLINOIS FED. AID PROJECT |              |           |



**FLUSH PAVED MEDIAN: TWO-WAY LEFT TURN LANE WITH ONE-WAY LEFT TURN LANE AT SIGNALIZED INTERSECTION**

**TYPICAL PAVEMENT MARKING LEGEND**

(Note: This is a District Standard Legend. Some elements may not apply to specific project.)

- ① 4(100) Solid (Yellow)
- ② 4(100) Solid (White)
- ③ 2-6(150) Crosswalk @ 6'-6" (2m)min C.-C. (White)  
2-8(200) Crosswalk @ 6'-6" (2m)min C.-C. (White) (When traffic signals are present.)
- ④ 6(150) Skip-Dash (White) (See Special Note 1)
- ⑤ 8(200) Solid (White)
- ⑥ 12(300) Diagonal (White) (Item ⑥ is shown on Std. 780001)
- ⑦ 24(600) Stop Bar (White)
- ⑧ Letters & Arrows (See Std. 780001 and Special Notes 2 & 3)
- ⑨ 4(100) Skip-Dash (Yellow) (See Special Note 1)
- ⑩ 12(300) Diagonal (Yellow) (See Table A) 11(280) C.-C. See Table A
- ⑪ 4(100) Double Solid (Yellow)

**SPECIAL NOTES**

1. Skip-Dash markings will be centered between both ends of city blocks and shall be placed in alignment transversely across the pavement.
2. The following shall apply to arrows located in one-way left turn lanes:
  - A. A minimum of two (2) arrows is required.
  - B. The maximum spacing between arrows is 80' (24 m).
  - C. Arrows shall be evenly spaced if three (3) or more are required.
3. The following shall apply to arrow pairs located in two-way left turn lanes:
  - A. A minimum of two (2) arrow pairs is required.
  - B. The maximum spacing between arrow pairs is 200' (61 m).
  - C. Arrow pairs shall be evenly spaced if three (3) or more are required.
  - D. The spacing between Bi Directional Left Turn Arrows is 33' (10 m).

**GENERAL NOTES**

1. Refer to State Standard 780001 for additional Pavement Markings including letters & arrows.
2. See Plans for Pavement Markings adjacent to curbed islands and medians, and through lane reductions.

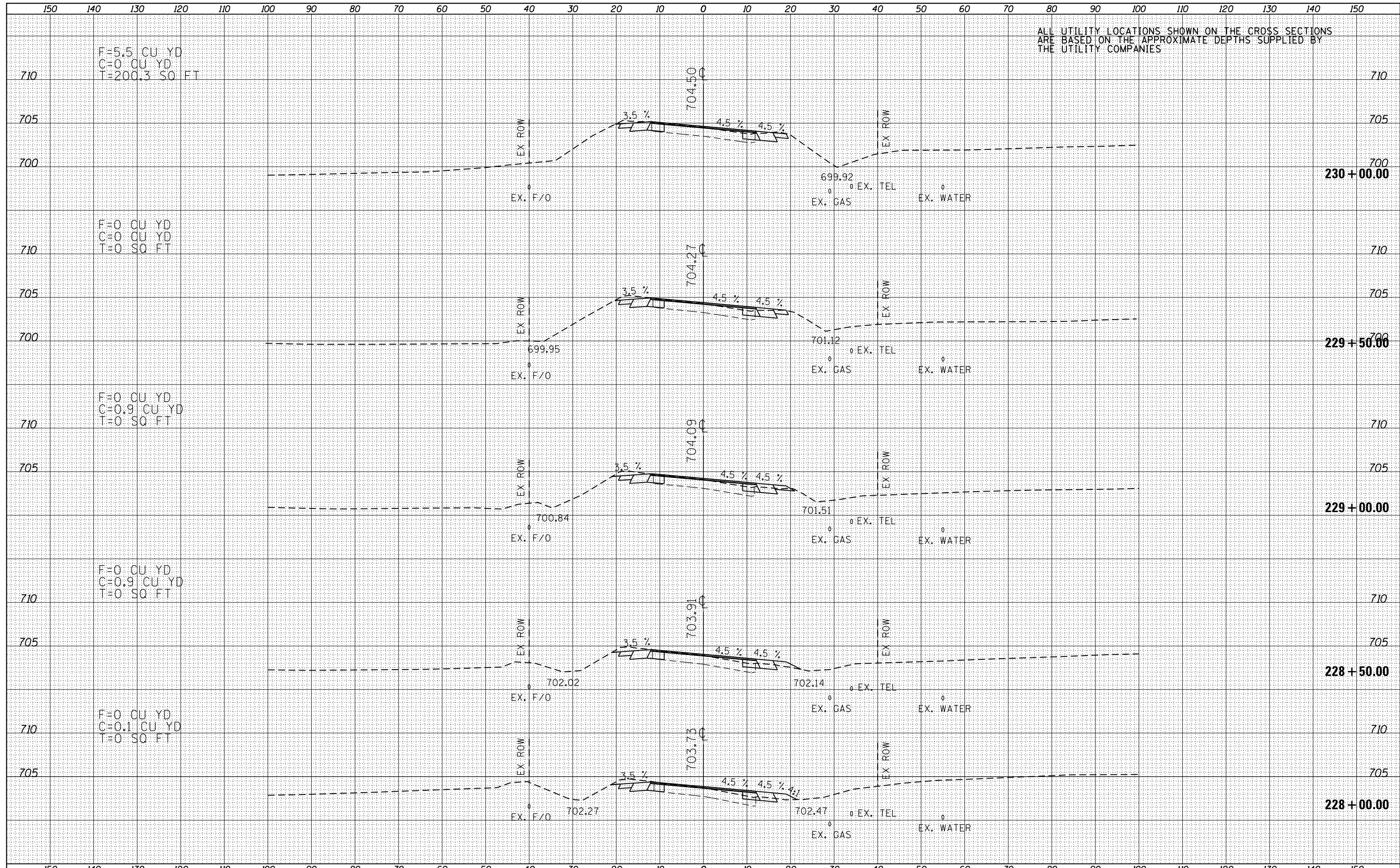
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|----------|----------------------------------|------|----------|-----------------------|---|----------------------------------|--------------|------------------------------------|---------------------|--------------------------------|----------------------|--------------|-----------|
| 01-01-97 | RENUM. F-8.03, NEW REVISION BOX  | T.P. | 10-16-06 | REVISED TO 2007 SPEC. | <b>STATE OF ILLINOIS<br/>DEPARTMENT OF TRANSPORTATION</b> | <b>TYPICAL PAVEMENT MARKINGS</b> | NOT TO SCALE | SHT. 1 OF 2<br>CADD STD. 780001-D4 | F.A.P. RTE.         | SECTION                        | COUNTY               | TOTAL SHEETS | SHEET NO. |
| 02-07-97 | ADD BI DIRECTIONAL DIMENSION     | J.A. |          |                       |   |                                  |              |                                    | 665                 | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON/<br>WARREN | 255          | 127       |
| 10-97    | CORRECT BI DIRECTIONAL DIMENSION | J.A. |          |                       |   |                                  |              |                                    | CONTRACT NO. 68A26  |                                |                      |              |           |
| 08-02    | ADD CROSSWALK DMNS. WITH T.S.    | M.A. |          |                       |   |                                  |              |                                    | FED. ROAD DIST. NO. | ILLINOIS                       | FED. AID PROJECT     |              |           |





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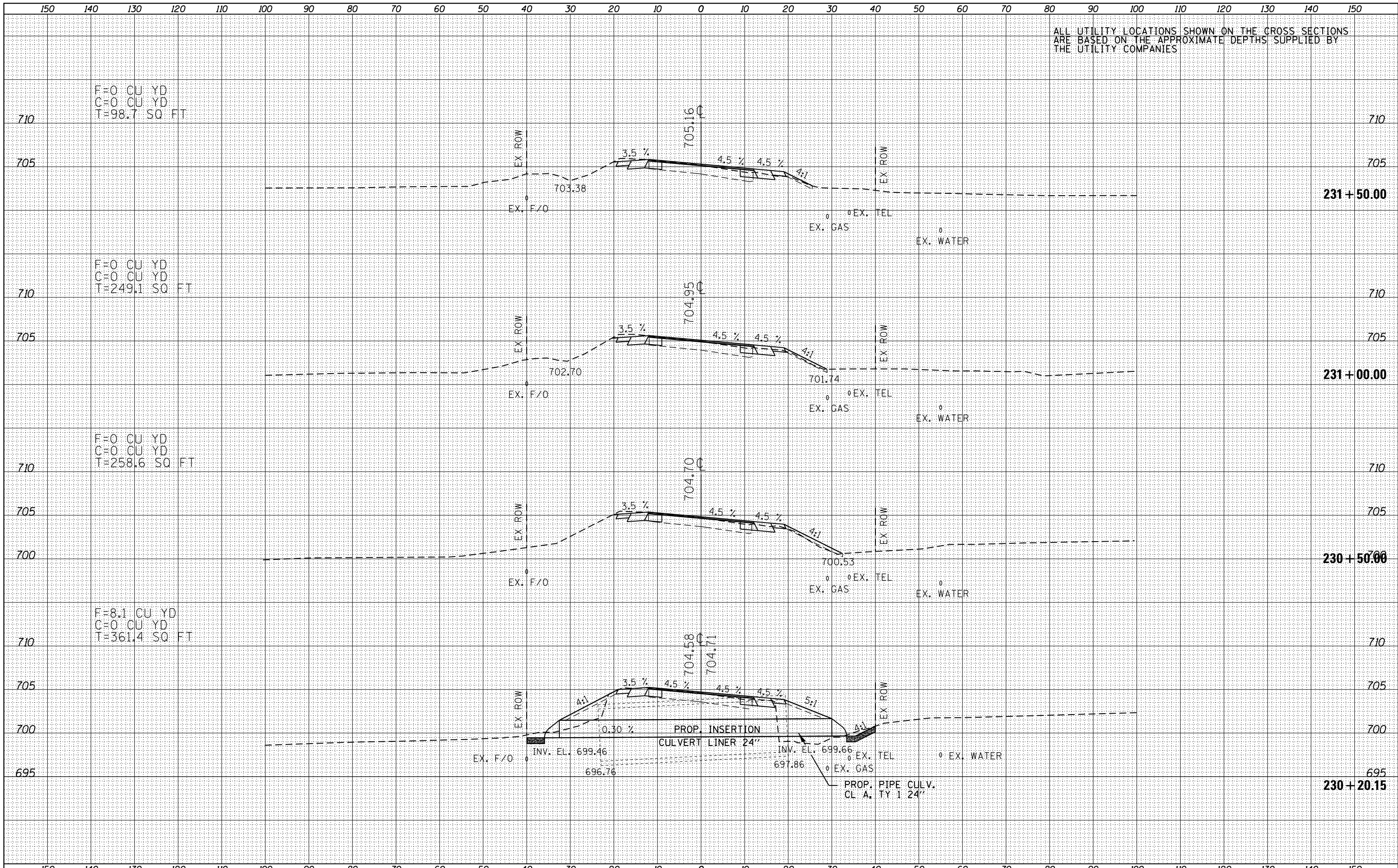
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

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C=0 CU YD  
T=98.7 SQ FT

F=0 CU YD  
C=0 CU YD  
T=249.1 SQ FT

F=0 CU YD  
C=0 CU YD  
T=258.6 SQ FT

F=8.1 CU YD  
C=0 CU YD  
T=361.4 SQ FT

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL 116 CROSS SECTIONS

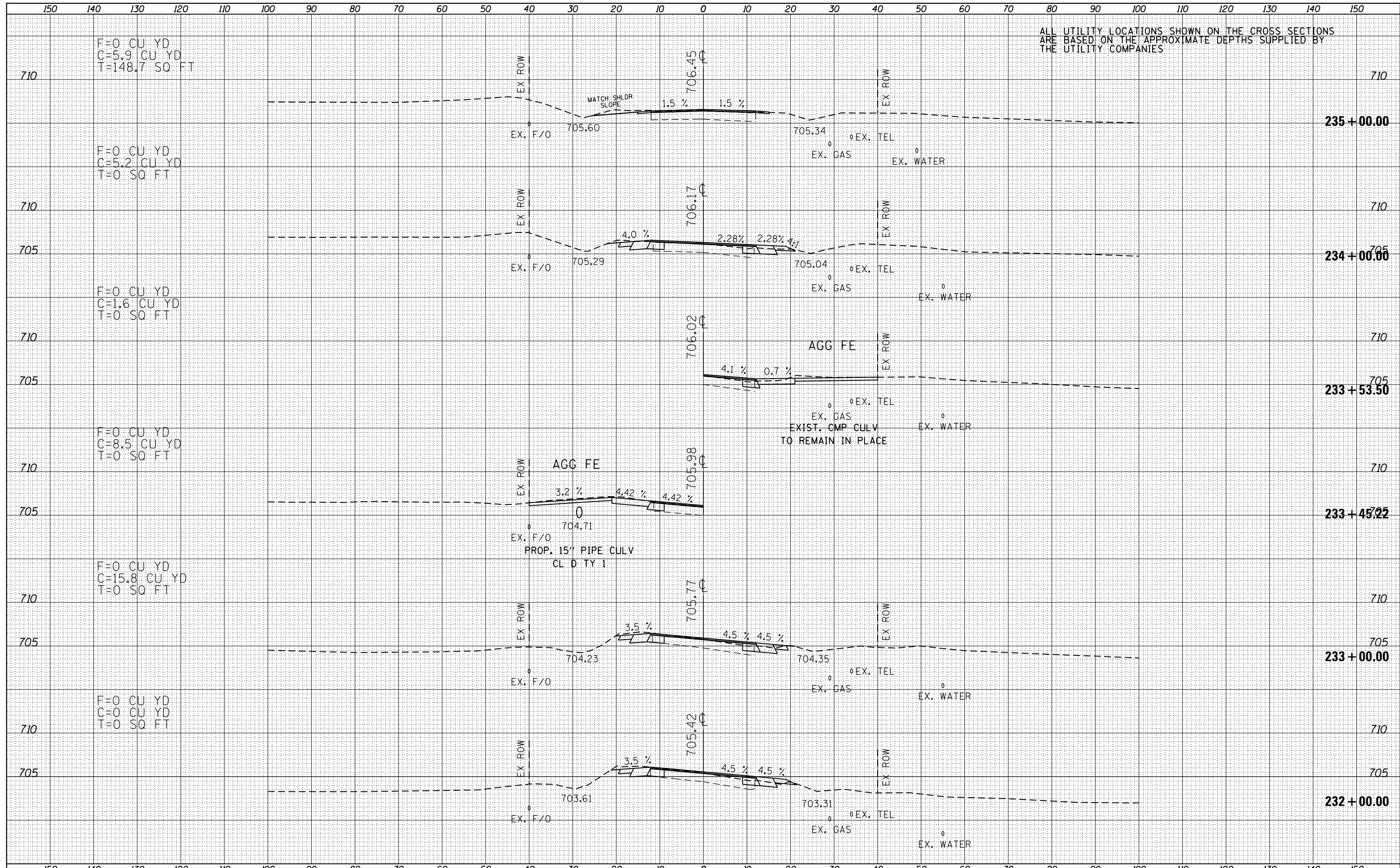
SCALE: 1"=20'H,10'V SHEET 3 OF 127 SHEETS STA. 230+20.15 TO STA. 231+50.00

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
|--------------------|--------------------------------|------------------|--------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 131       |
| CONTRACT NO. 68A26 |                                |                  |              |           |

ILLINOIS FED. AID PROJECT

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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

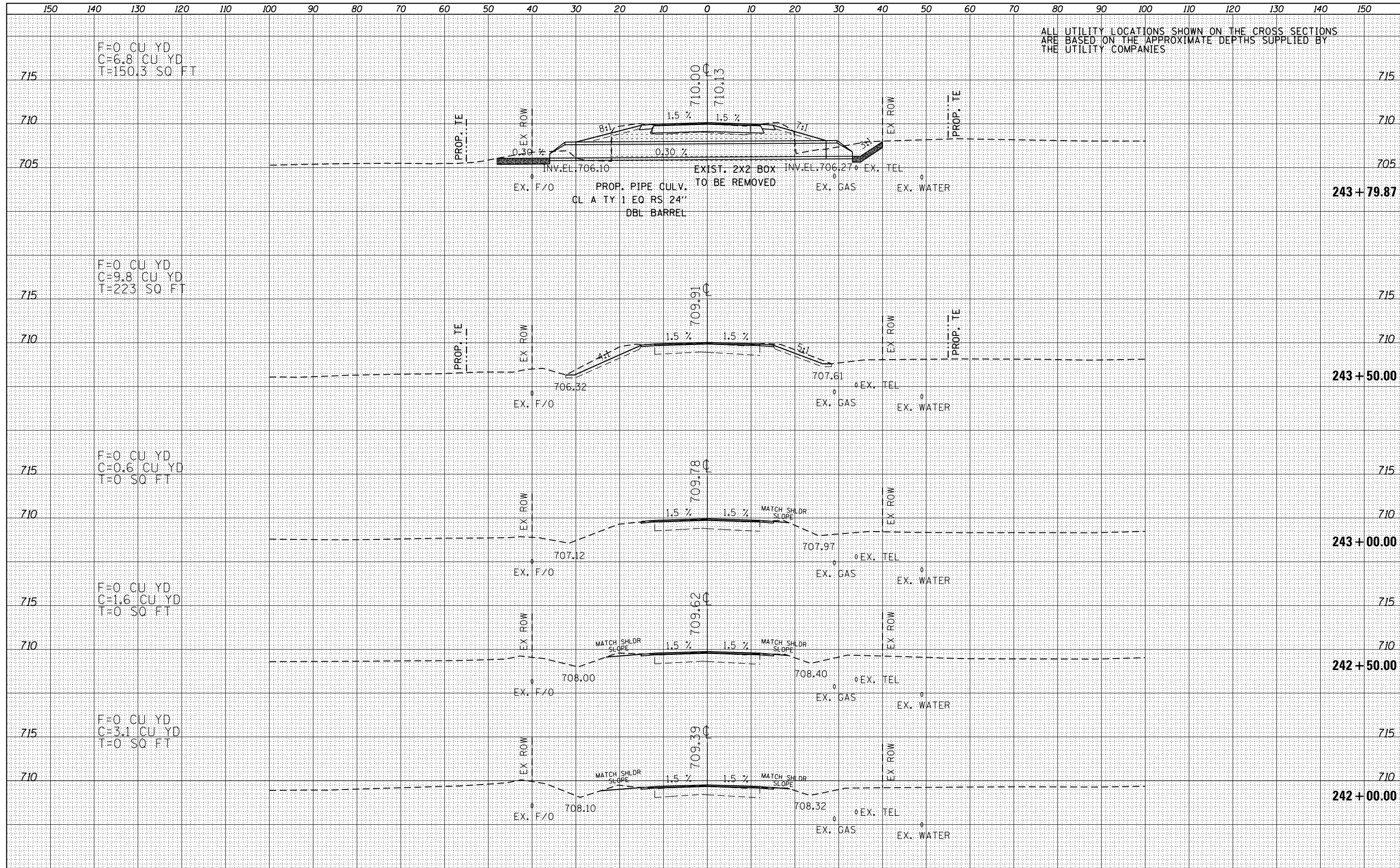




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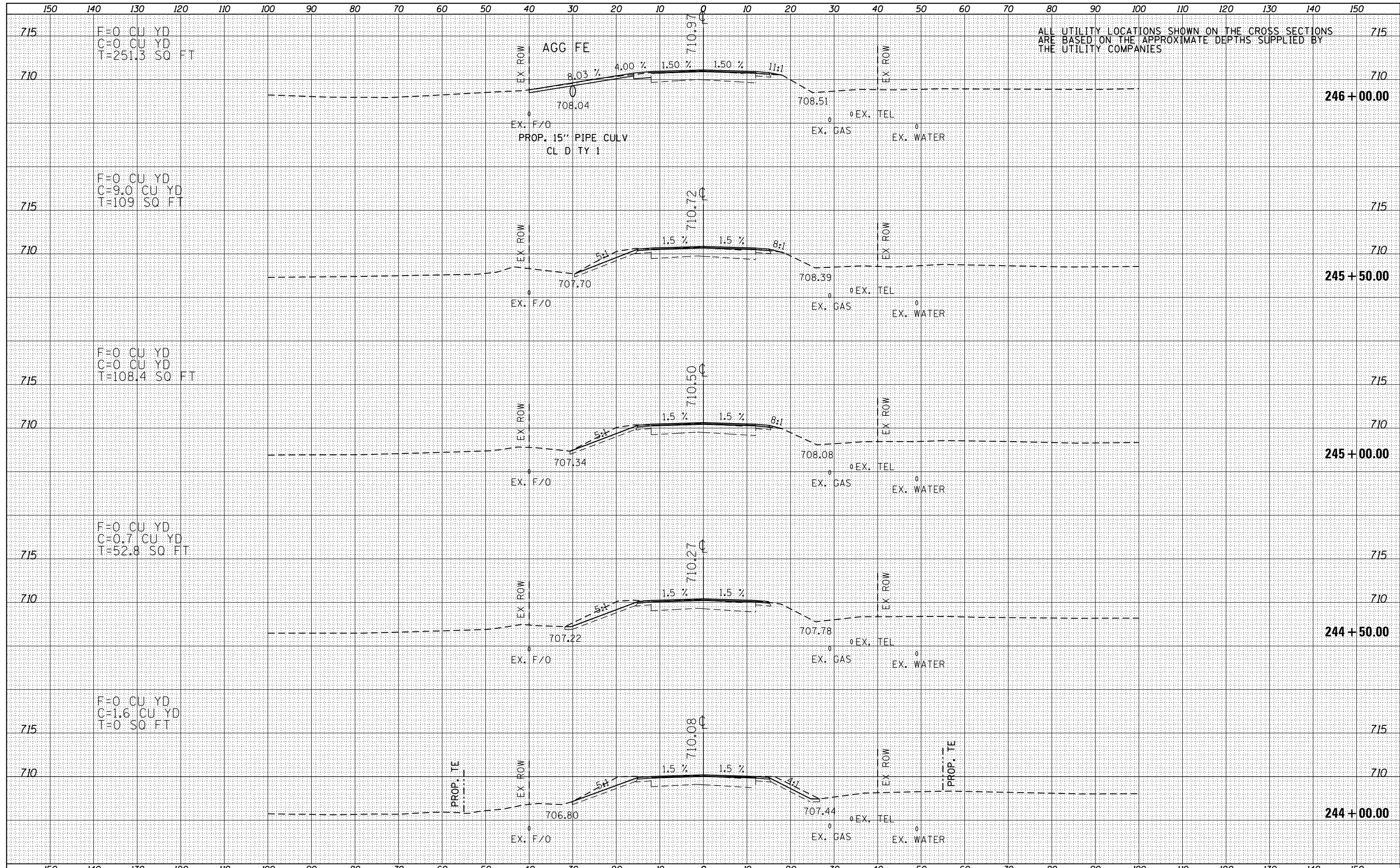
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

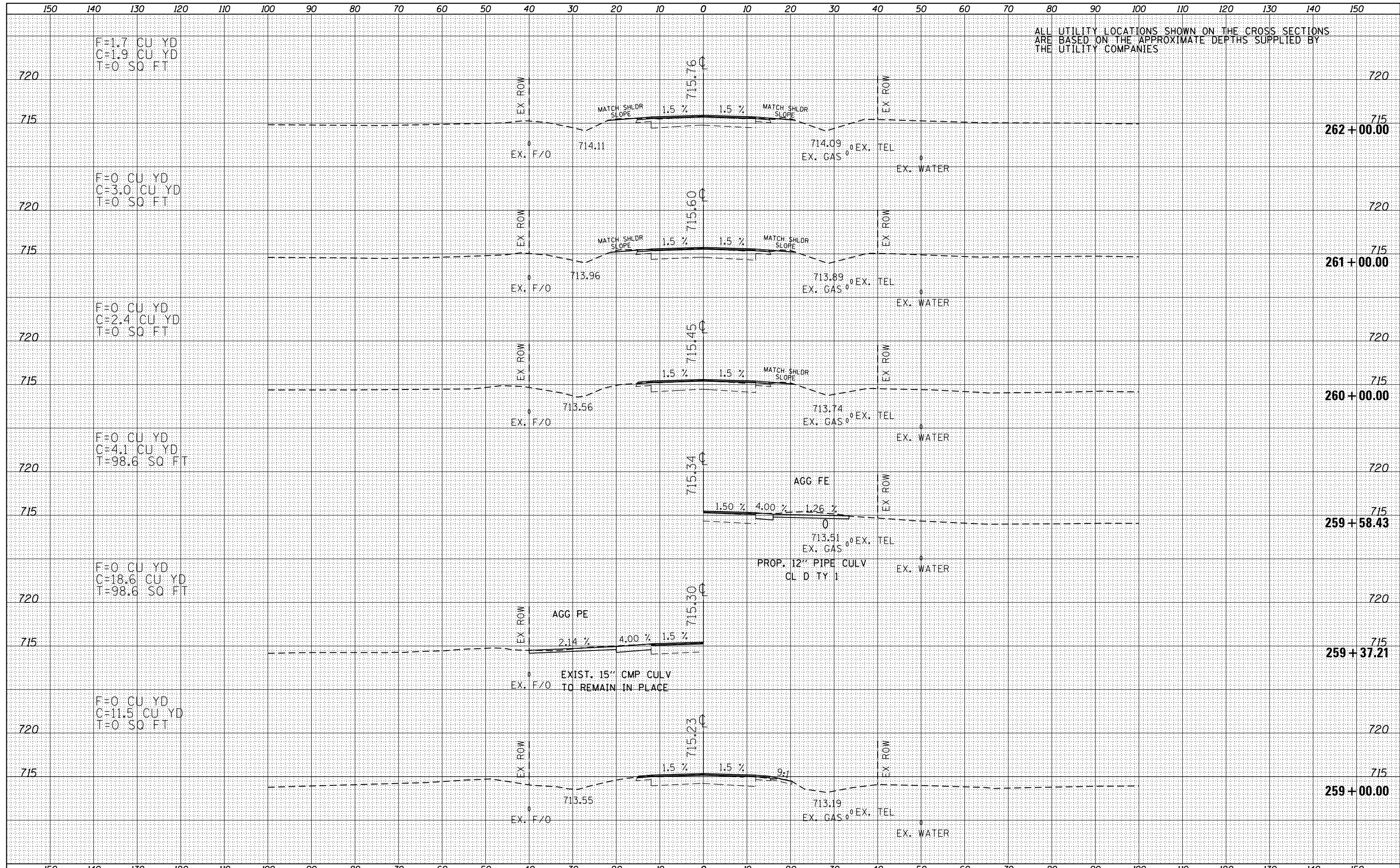
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| Default                           | PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISD - |   |  |  |  | CONTRACT NO. 68A26        |  |                         |                  |               |
|                                   | PLOT DATE = 3/20/2015       | DATE -     | REVISD - |   |  |  |  | ILLINOIS FED. AID PROJECT |  |                         |                  |               |
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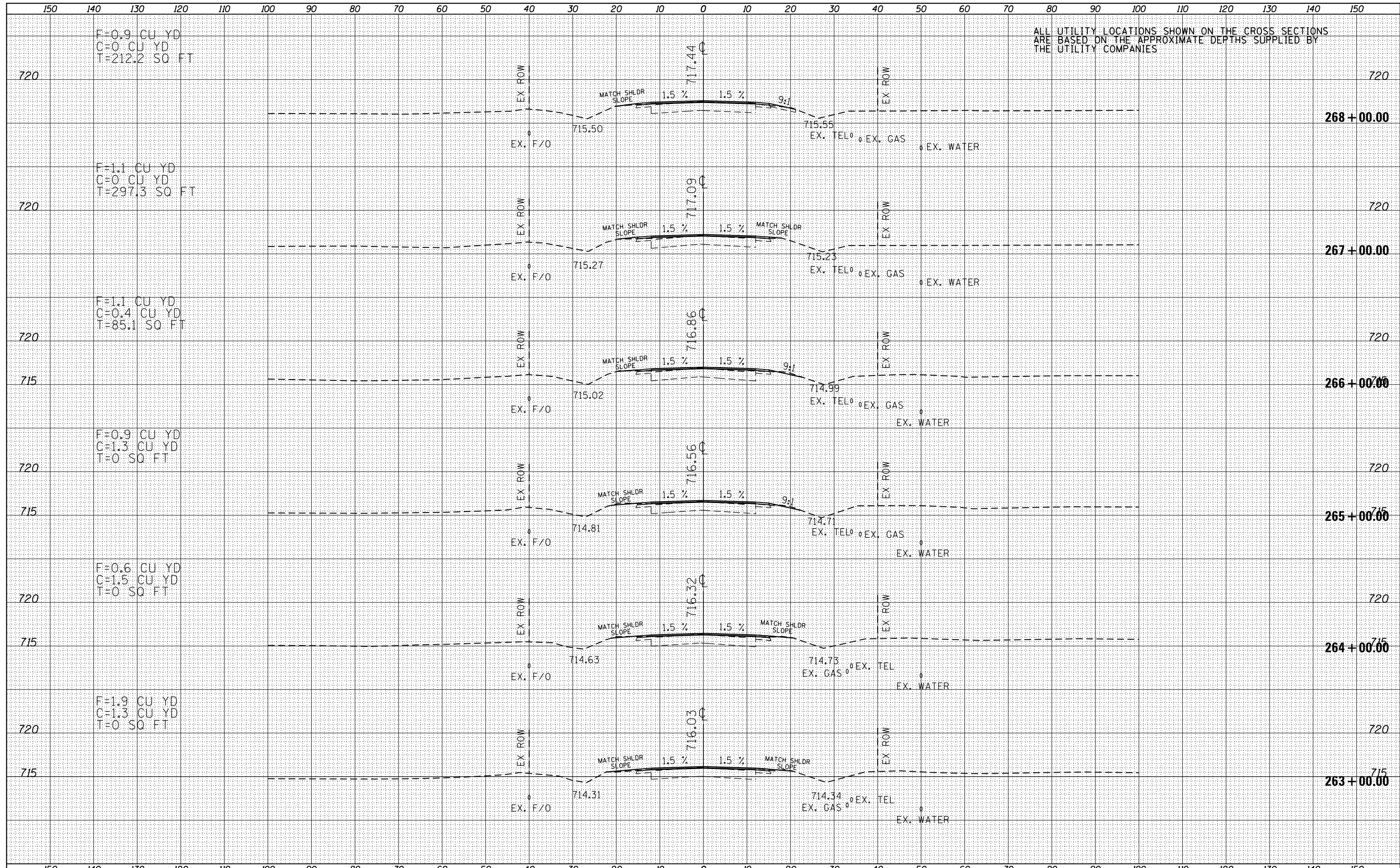
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|                                   |                     | DRAWN -    | REVISED - |   |   |
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|                                   |                     |            |           |   | F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.<br>665 137W-2,RS-4+138W-3,RS-4+139W-3 HENDERSON WARREN 255 138<br>CONTRACT NO. 68A26<br>ILLINOIS FED. AID PROJECT |

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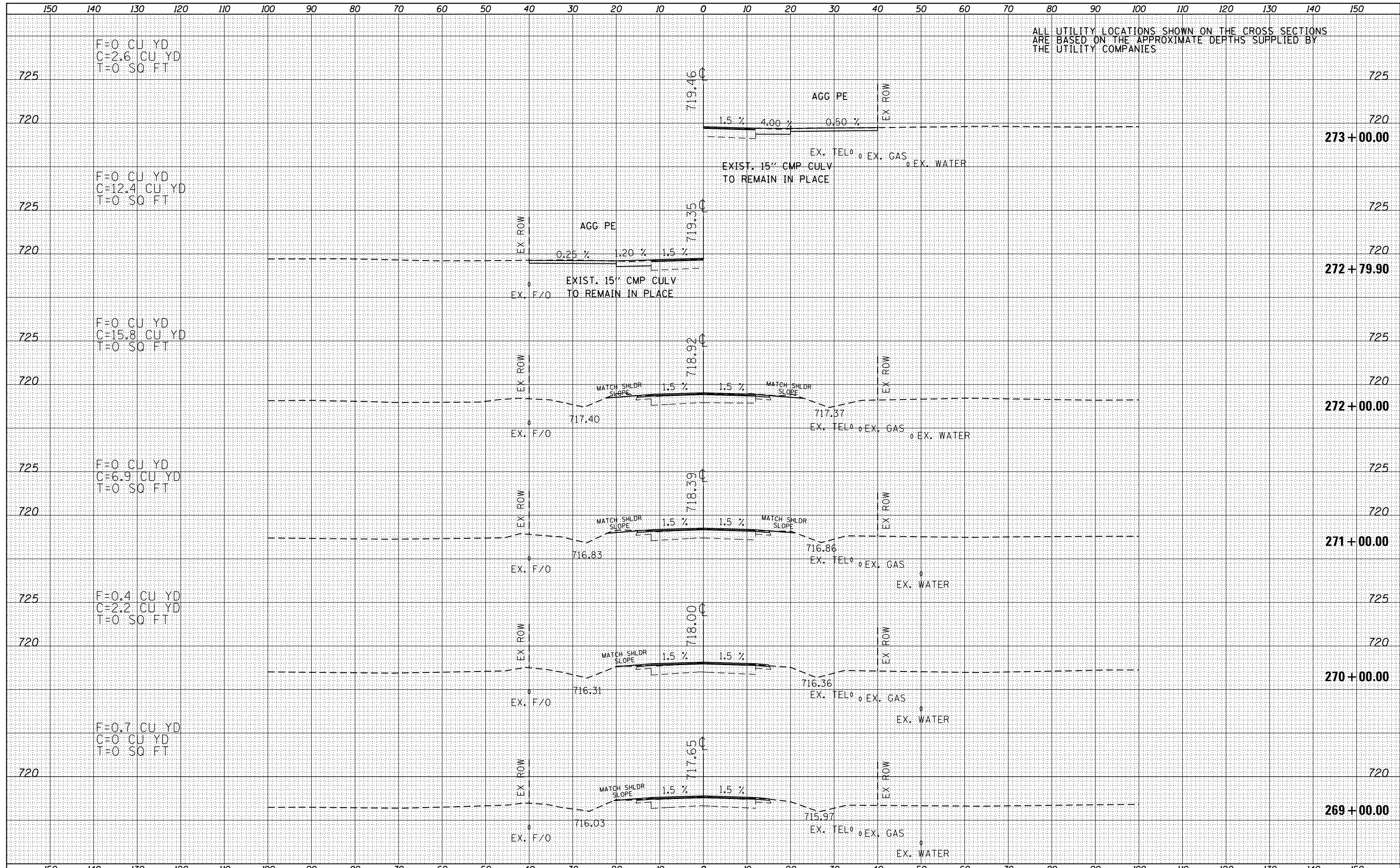


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| FILE NAME =           | USER NAME = keathbr | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 116 CROSS SECTIONS</b> | F.A.P. RTE.               | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
| D468A26-sht-xxsh.tdgn |                     | DRAWN -    | REVISED - |   |                              | 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 139       |
| Default               |                     | CHECKED -  | REVISED - |   |                              | CONTRACT NO. 68A26        |                                |                  |              |           |
|                       |                     | DATE -     | REVISED - |   |                              | ILLINOIS FED. AID PROJECT |                                |                  |              |           |

SCALE: 1"=20'H,10'V SHEET 11 OF 127 SHEETS STA. 263+00.00 TO STA. 268+00.00

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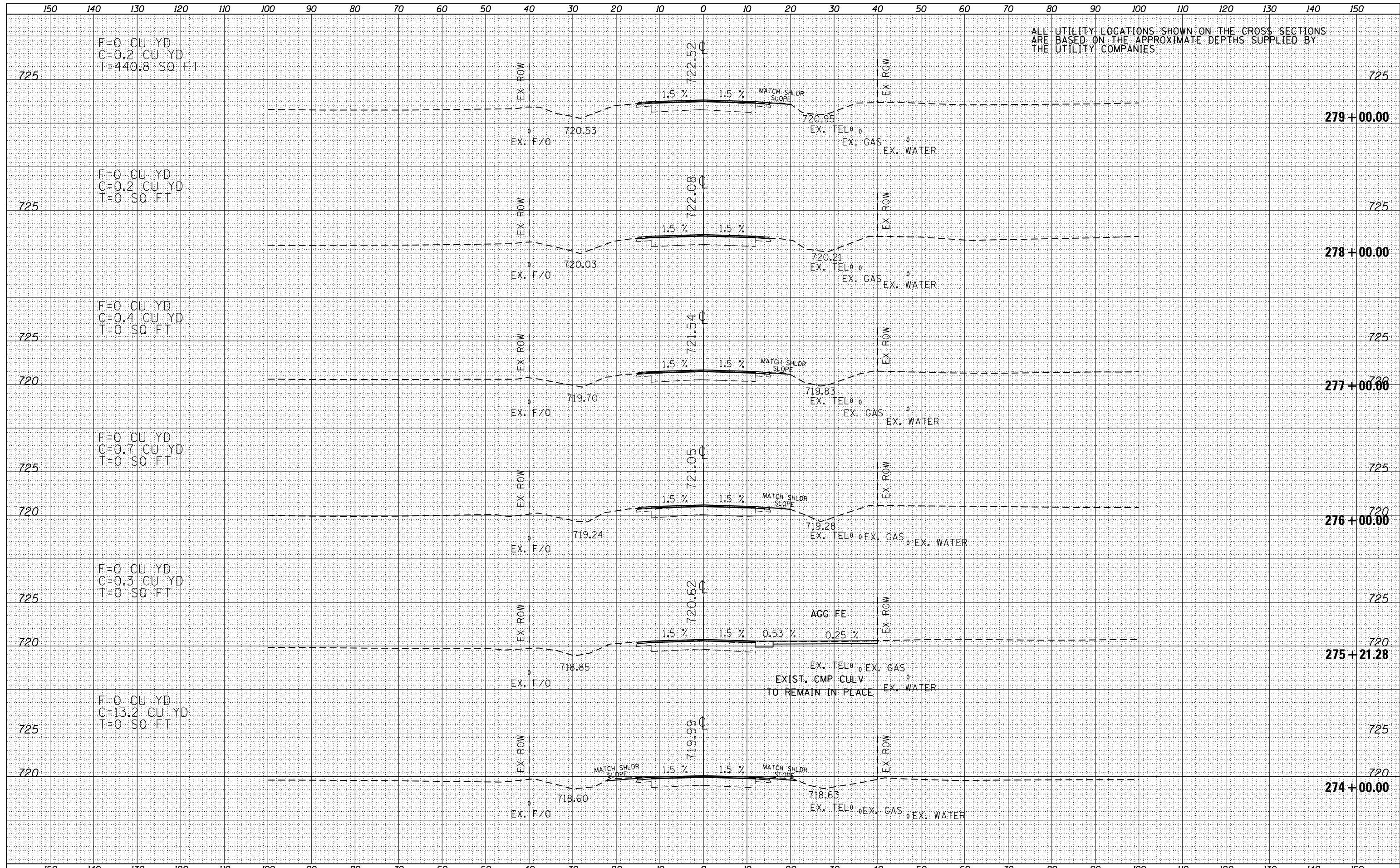


ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



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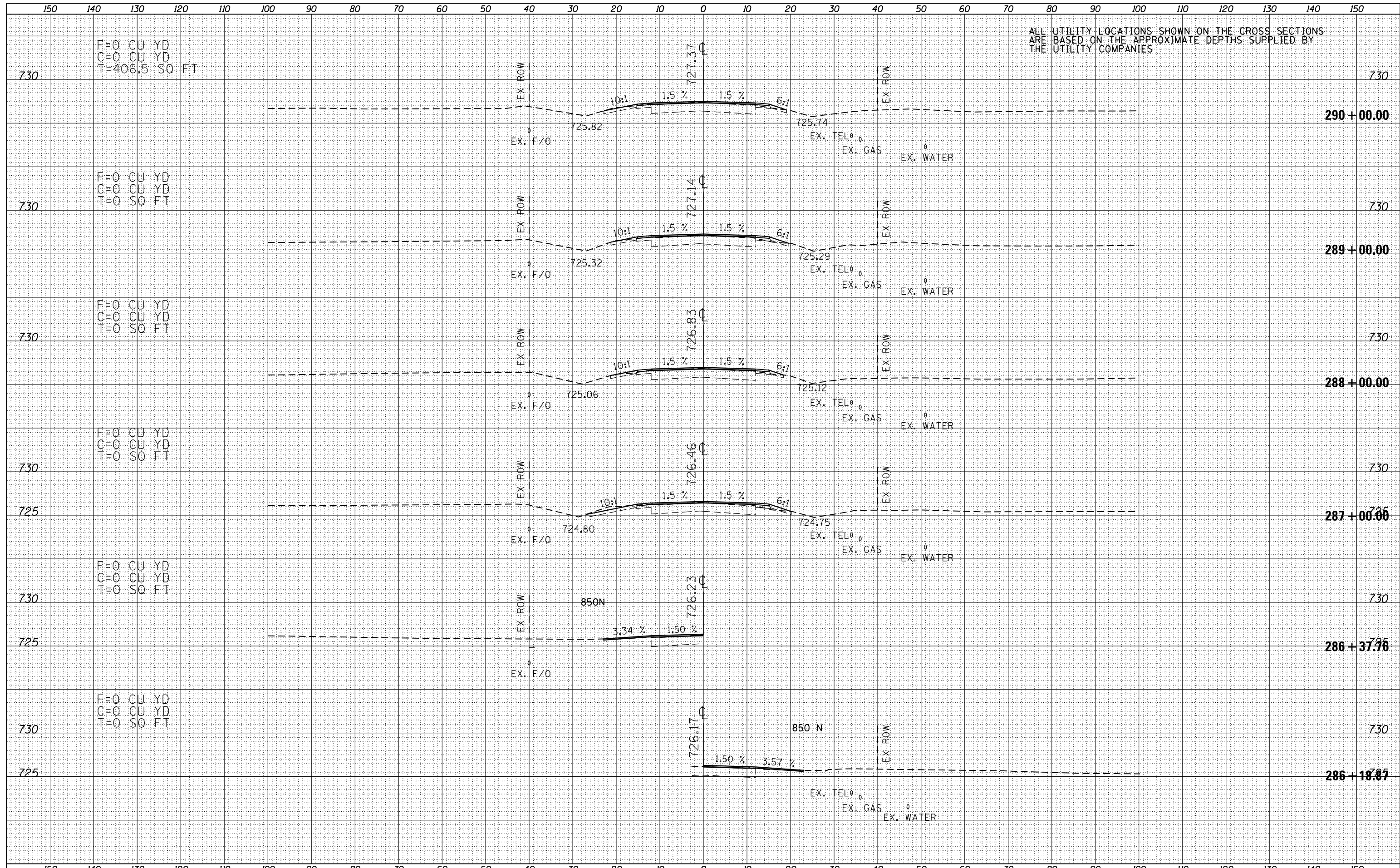


ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



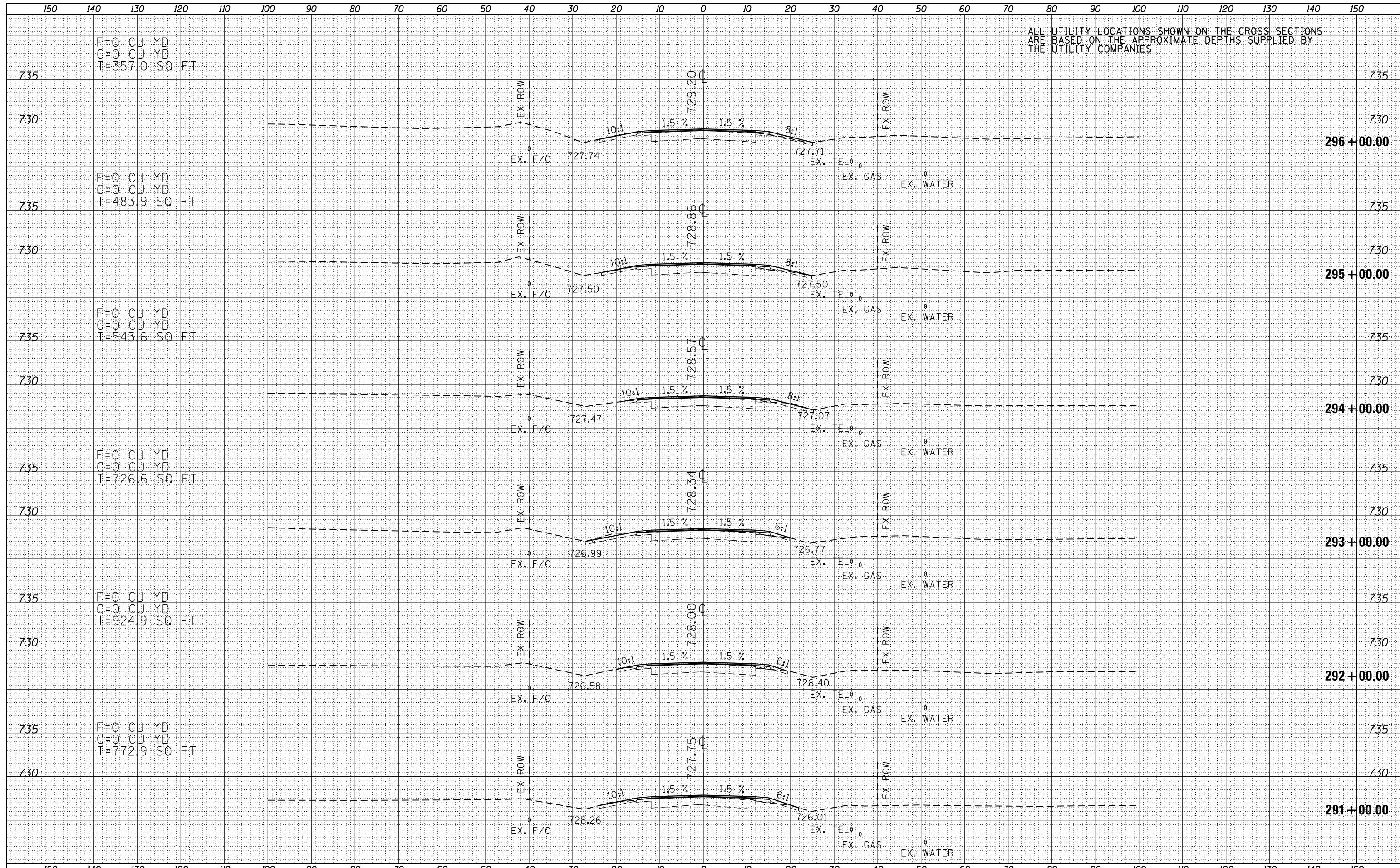
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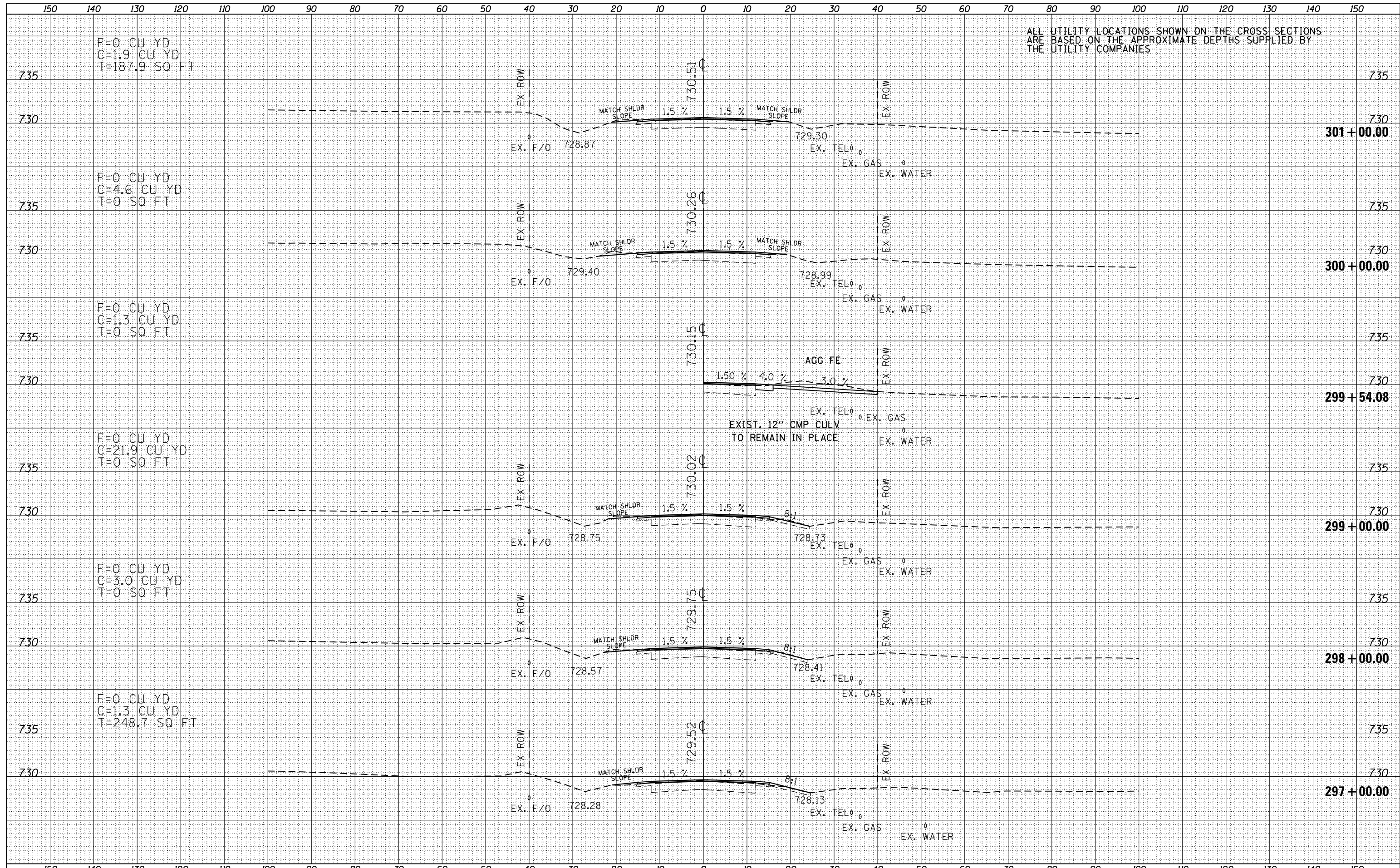


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| D468A26-sht-xssh.tdgn |                     | DRAWN -    | REVISED - |   |   |
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|                       |                     | DATE -     | REVISED - |   |   |

|                           |                                |                  |              |           |
|---------------------------|--------------------------------|------------------|--------------|-----------|
| F.A.P. RTE.               | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 144       |
| CONTRACT NO. 68A26        |                                |                  |              |           |
| ILLINOIS FED. AID PROJECT |                                |                  |              |           |

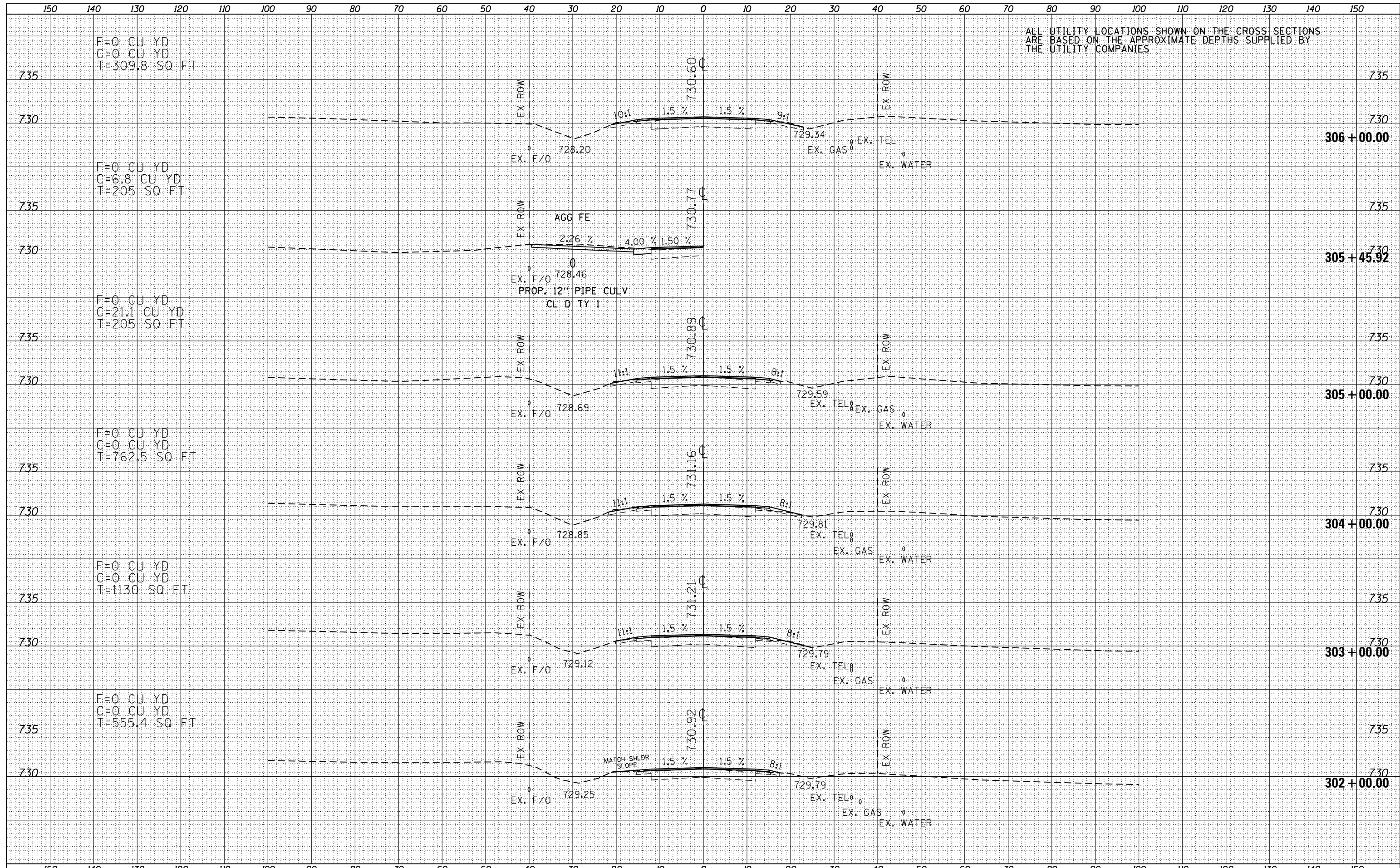
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| DATE            |  |
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| FINISHED SURVEY |  |
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FILE NAME =  
D468A26-sht-xxshL.dgn

USER NAME = keathbr  
DESIGNED -  
DRAWN -  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

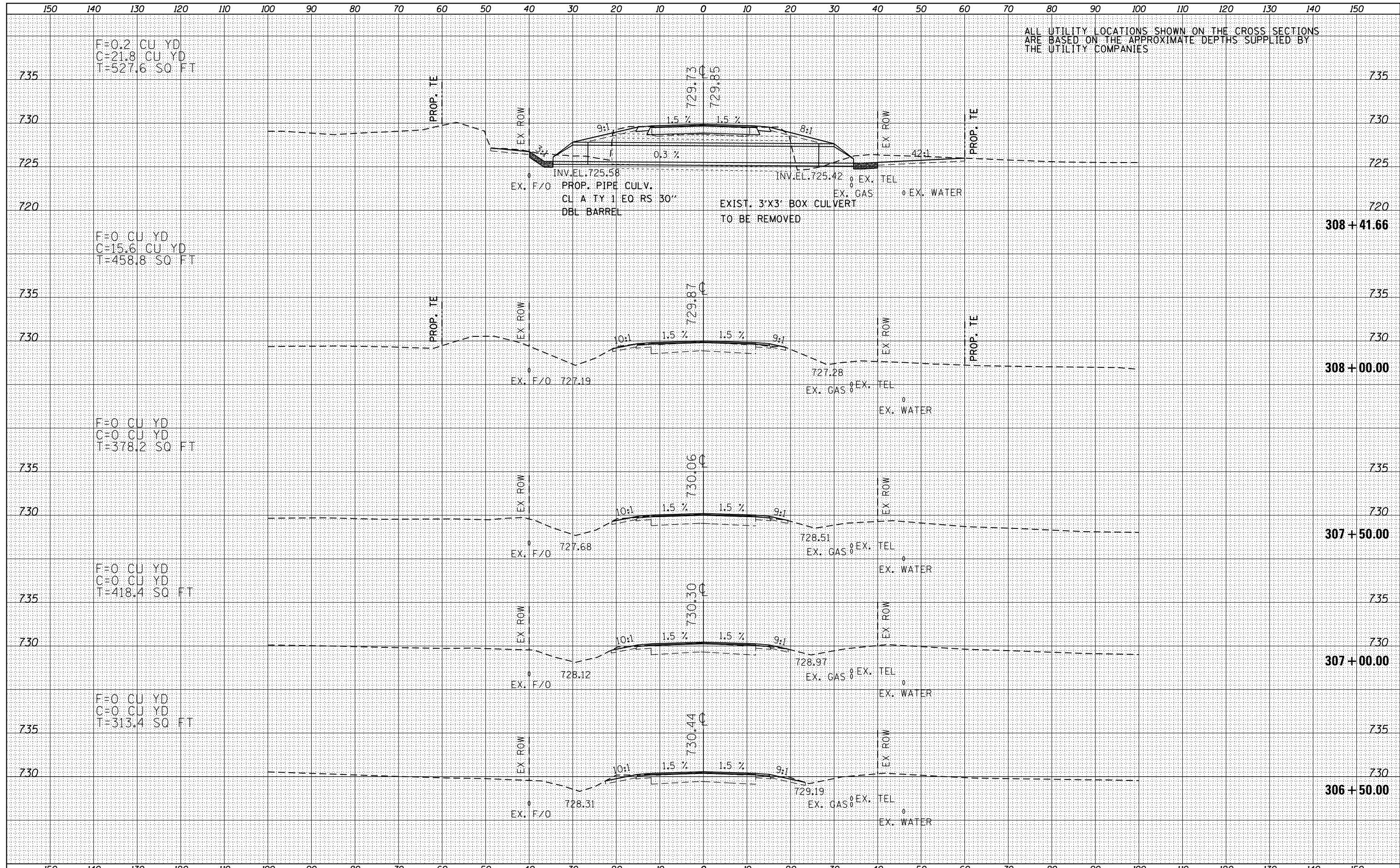
**IL 116 CROSS SECTIONS**

SCALE: 1"=20'H,10'V SHEET 18 OF 127 SHEETS STA. 302+00.00 TO STA. 306+00.00

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255                       | 146       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |

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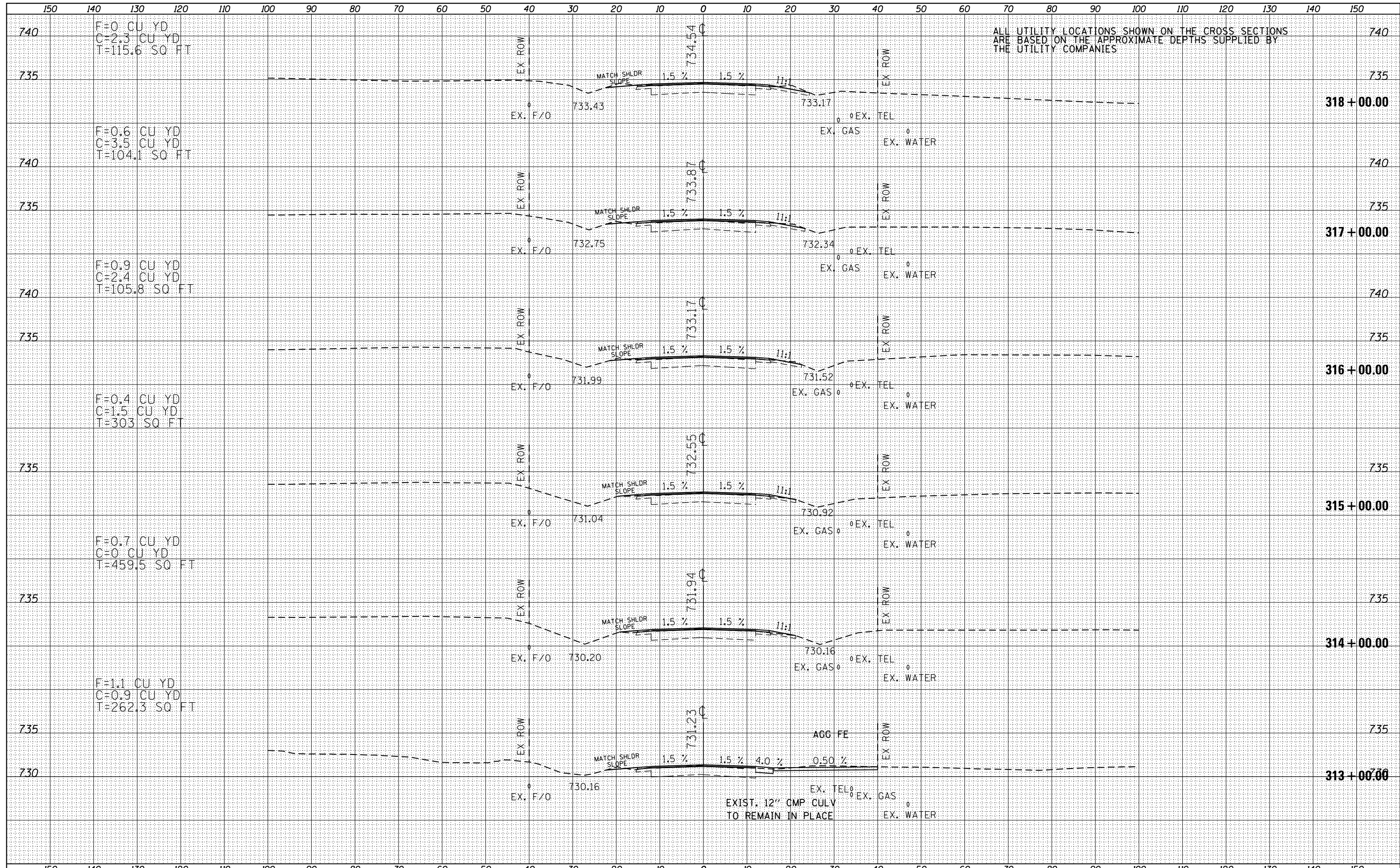
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES





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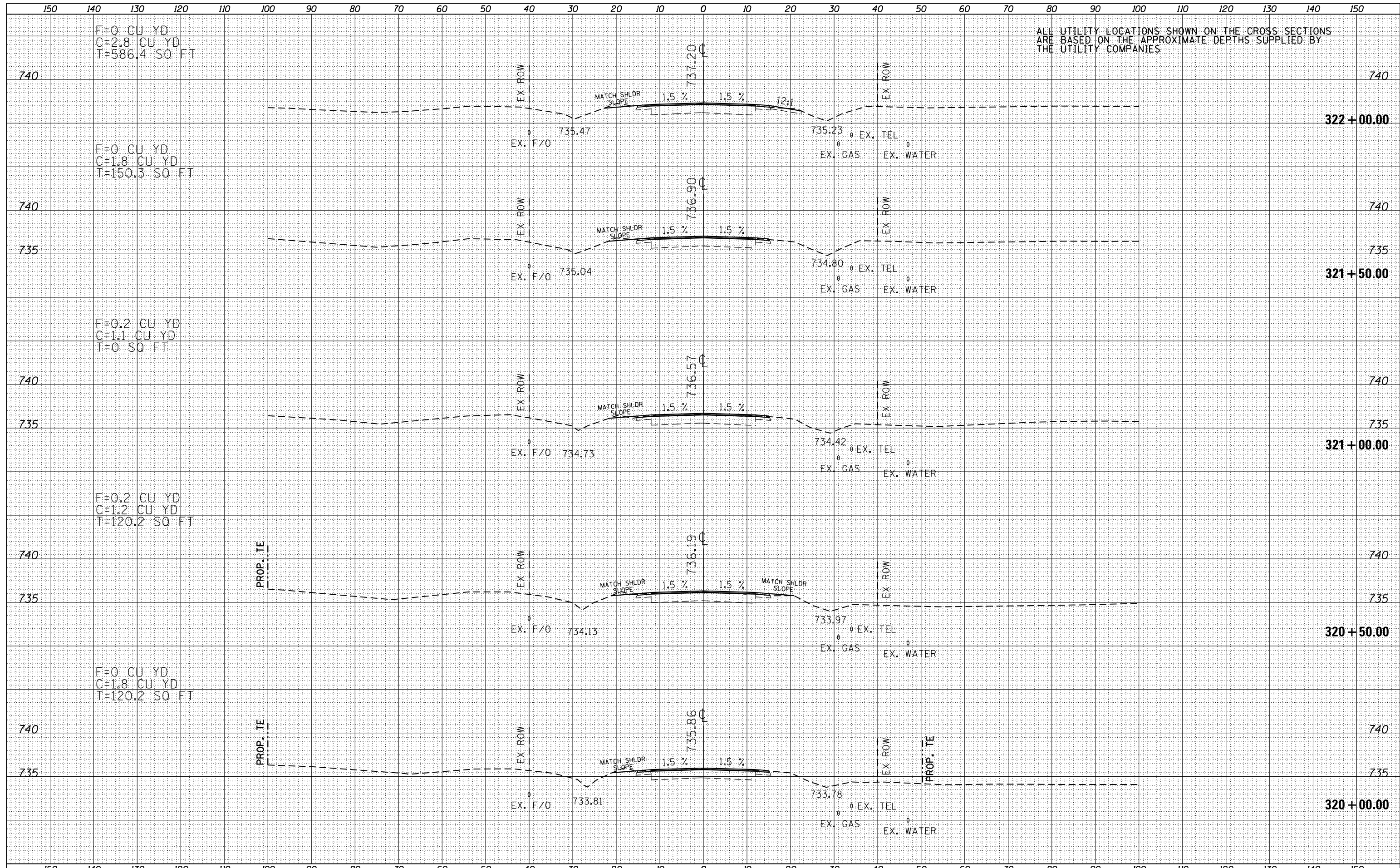


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| FILE NAME =           | USER NAME = keathbr | DESIGNED - | REVISD - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 116 CROSS SECTIONS</b><br>SCALE: 1"=20'H,10"V SHEET 21 OF 127 SHEETS STA. 313+00.00 TO STA. 318+00.00 |  |  | F.A.P. RTE.               | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
| D468A26-sht-xssh.tdgn |                     | DRAWN -    | REVISD - |   |   |  |  | 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 149       |
| Default               |                     | CHECKED -  | REVISD - |   |   |  |  | CONTRACT NO. 68A26        |                                |                  |              |           |
|                       |                     | DATE -     | REVISD - |   |   |  |  | ILLINOIS FED. AID PROJECT |                                |                  |              |           |



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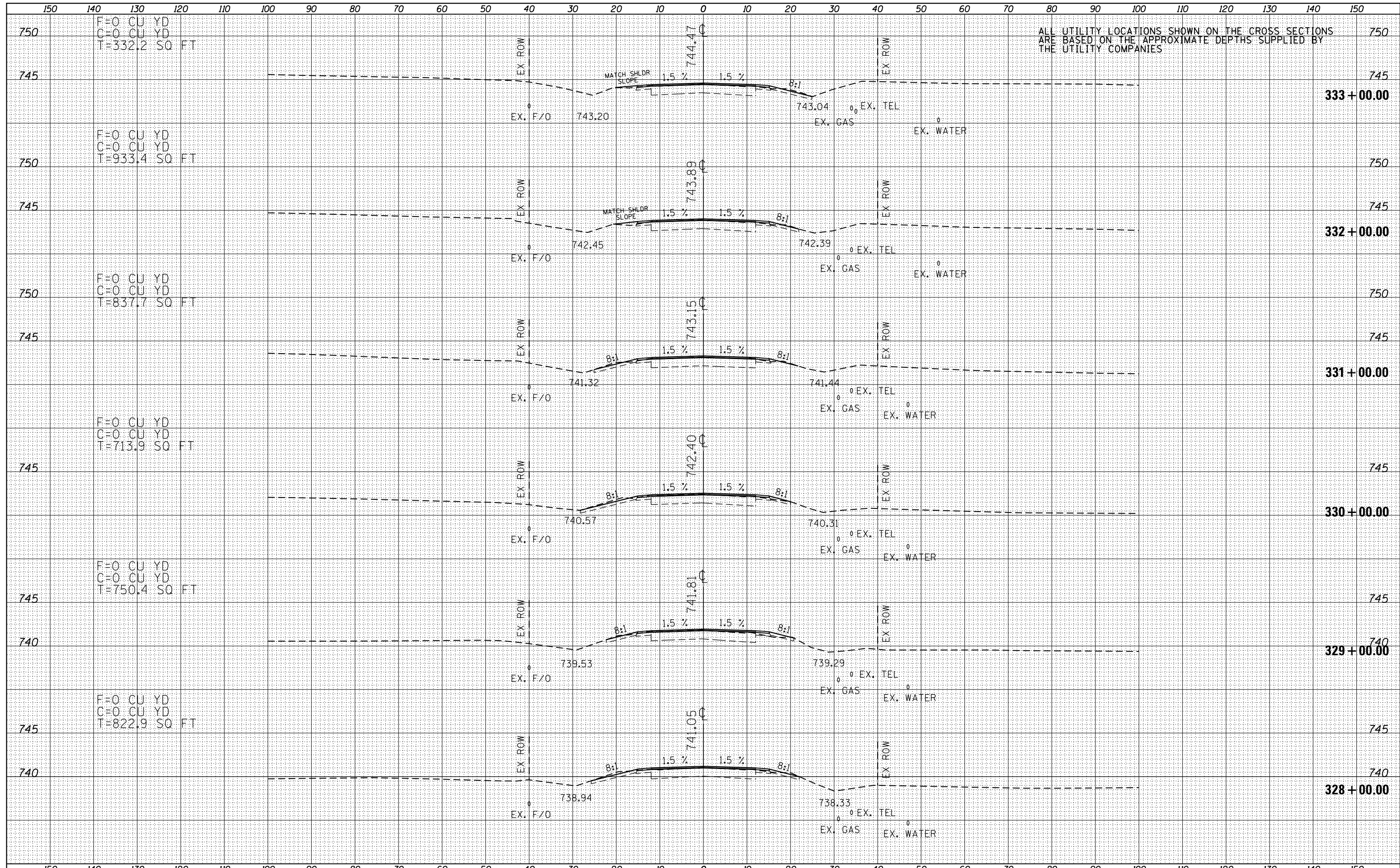
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=65.1 CU YD  
T=538.8 SQ FT

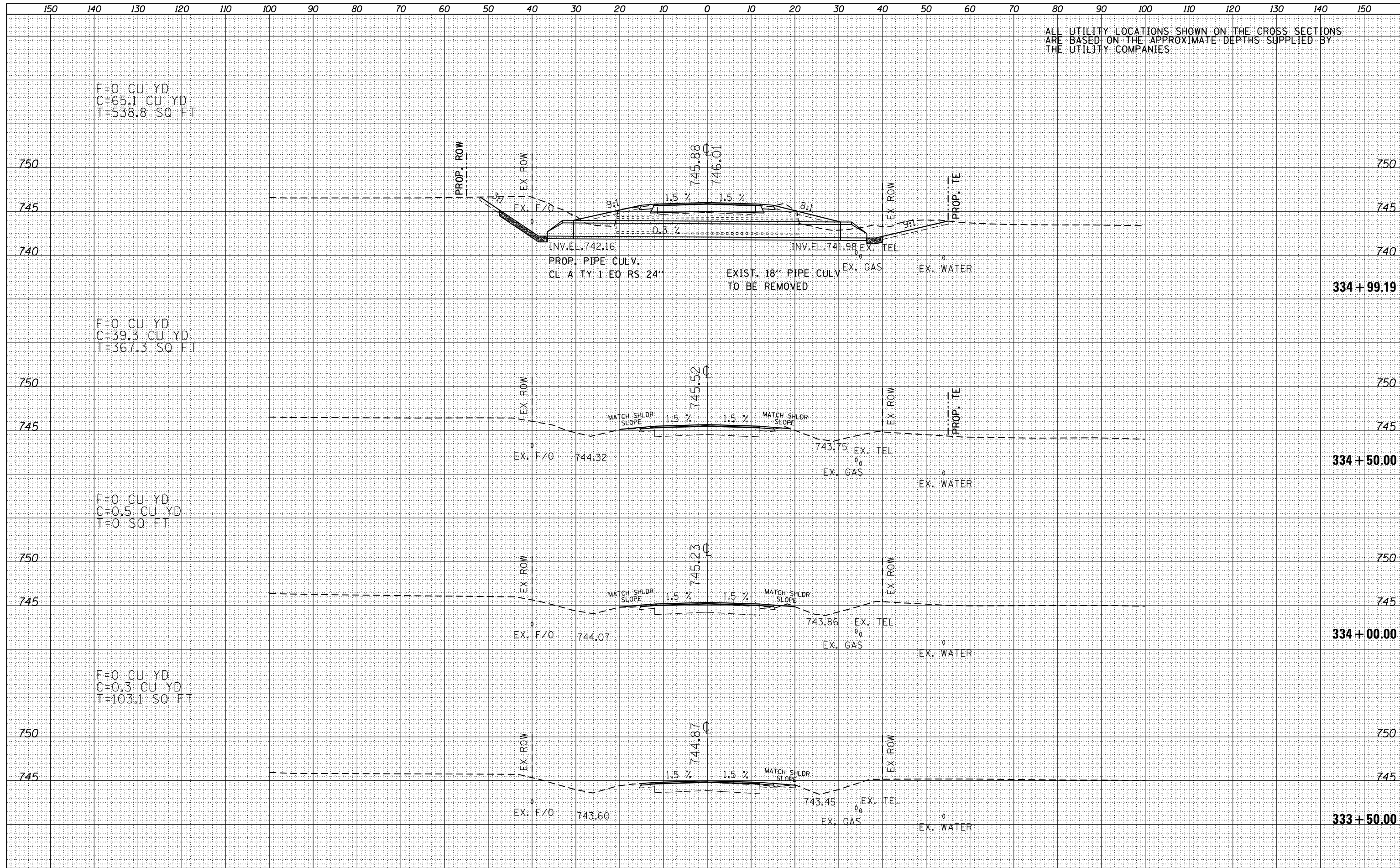
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C=39.3 CU YD  
T=367.3 SQ FT

F=0 CU YD  
C=0.5 CU YD  
T=0 SQ FT

F=0 CU YD  
C=0.3 CU YD  
T=103.1 SQ FT

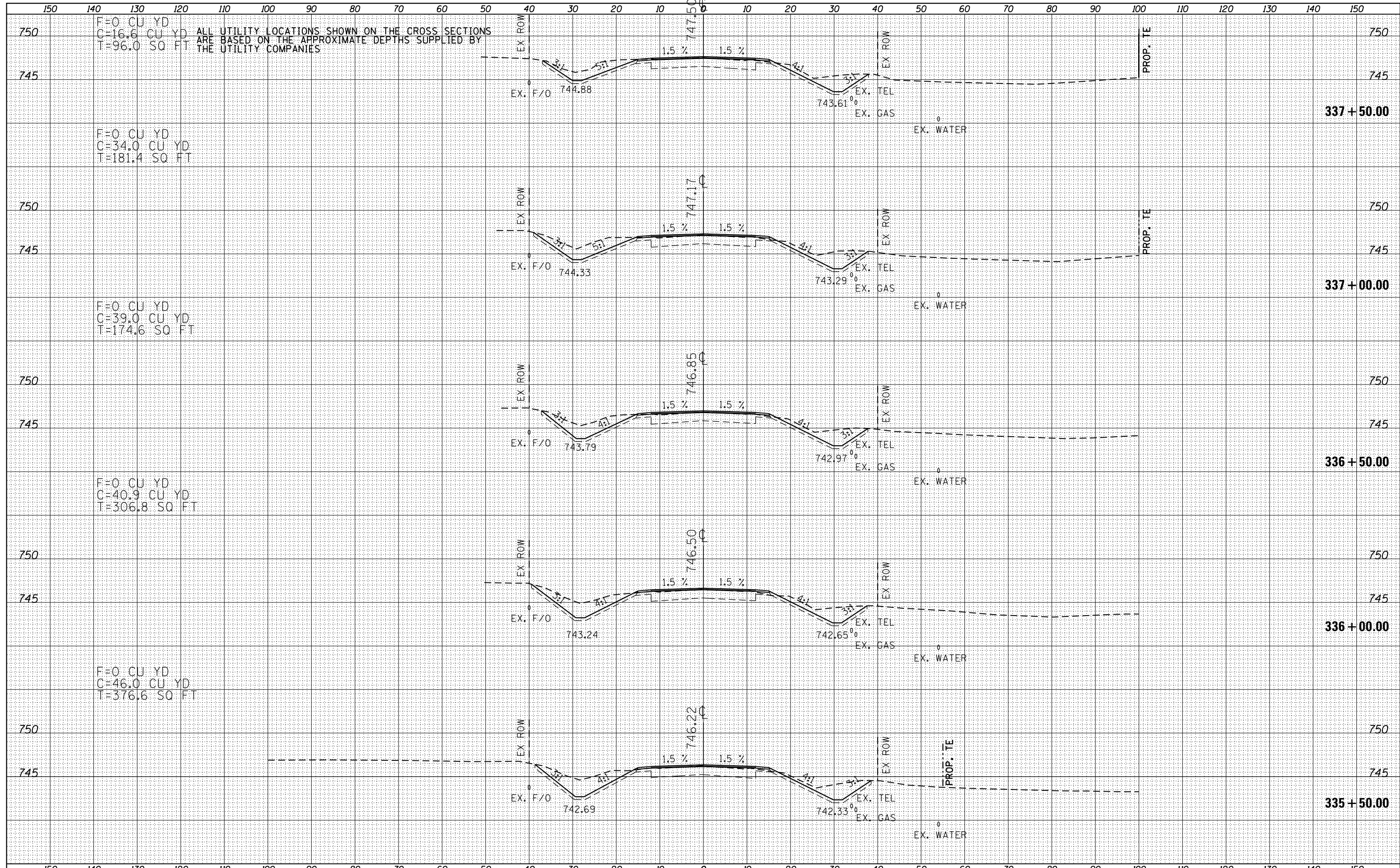
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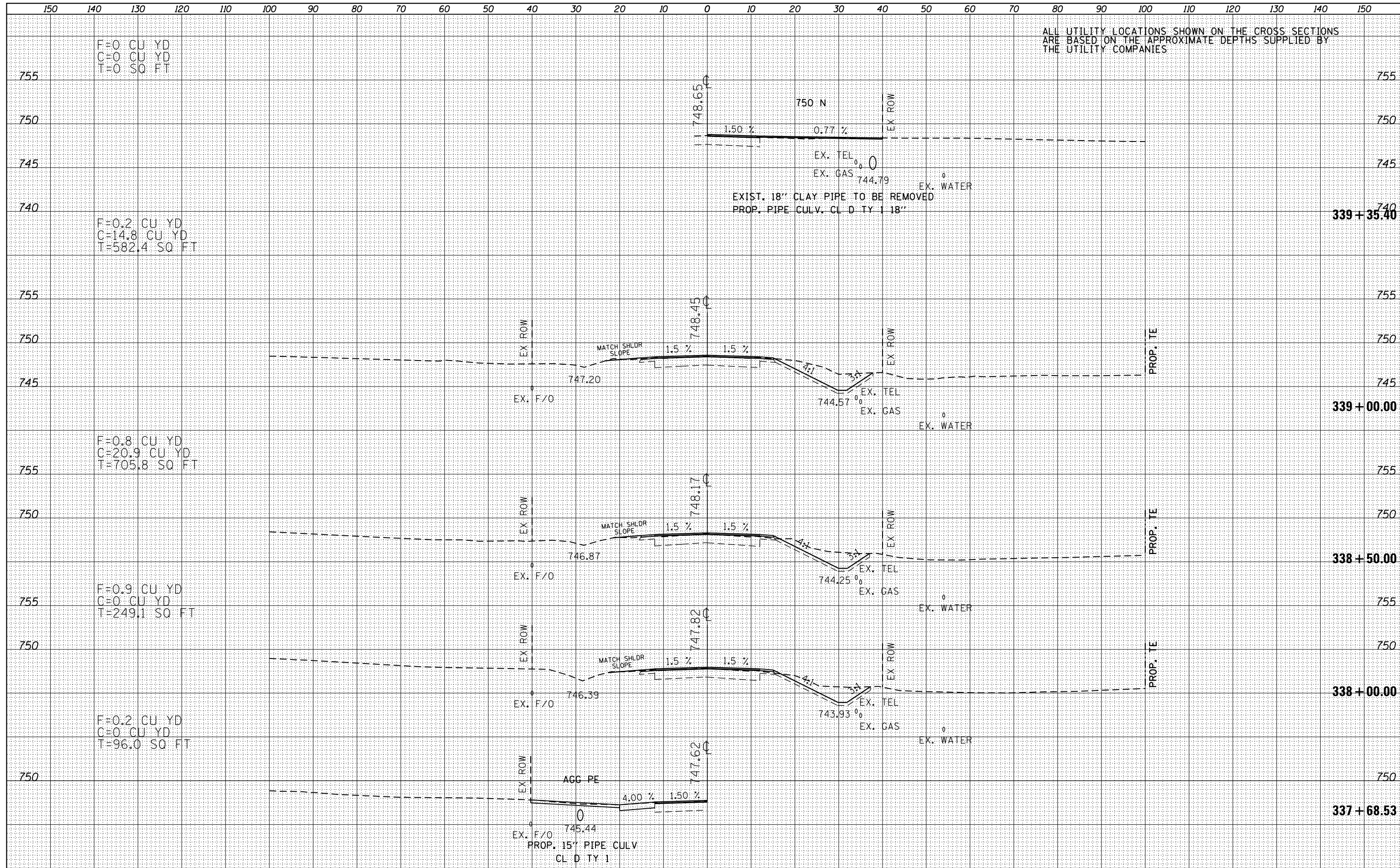
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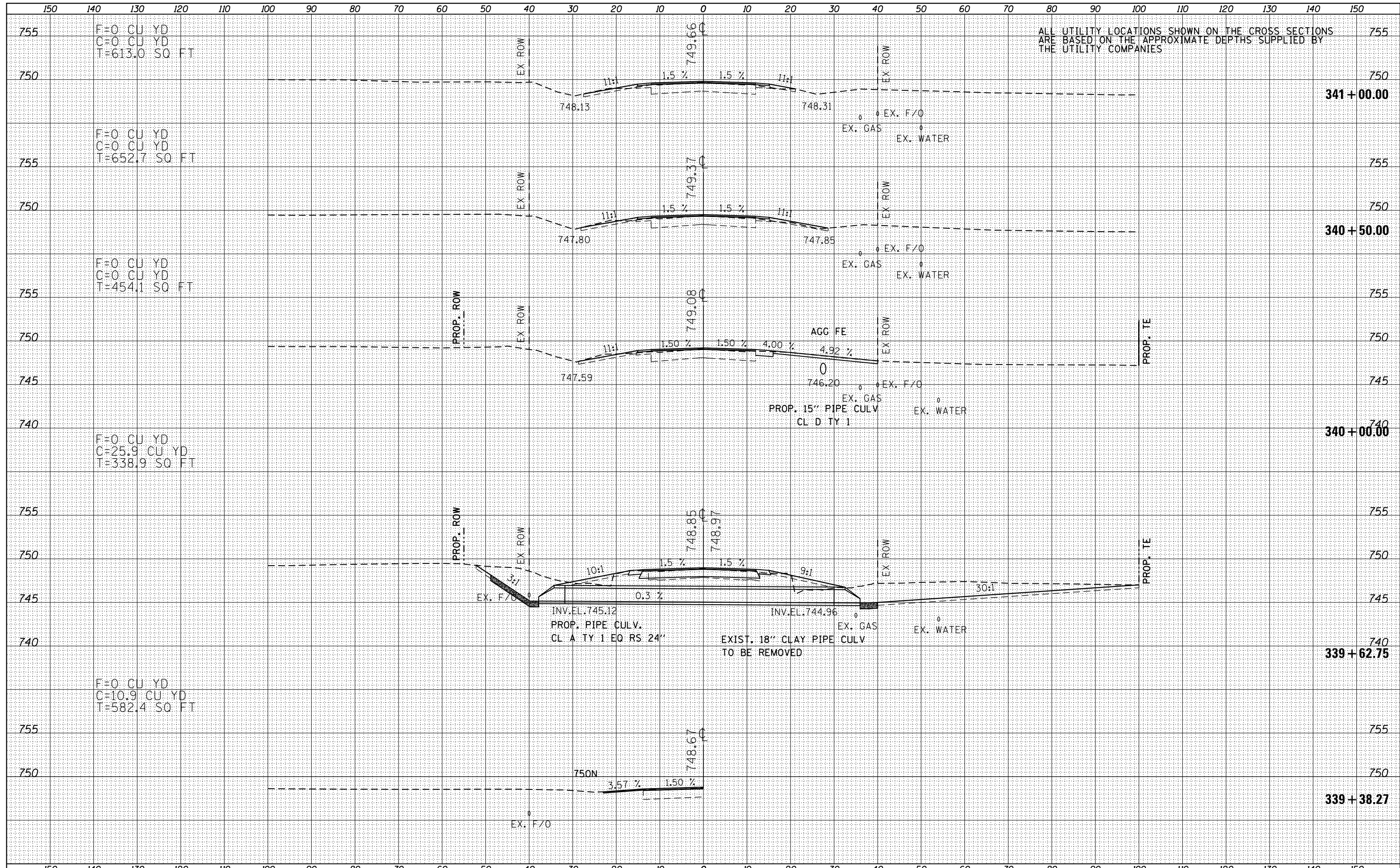
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| NOTE BOOK AREAS CHECKED |  |

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| NOTE BOOK AREAS CHECKED |  |



ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

FILE NAME = D468A26-sht-xxshL.dgn  
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| USER NAME = keathbr         | DESIGNED - | REVISD - |
| PLOT SCALE = 20.0000' / in. | DRAWN -    | REVISD - |
| PLOT DATE = 3/20/2015       | CHECKED -  | REVISD - |
|                             | DATE -     | REVISD - |

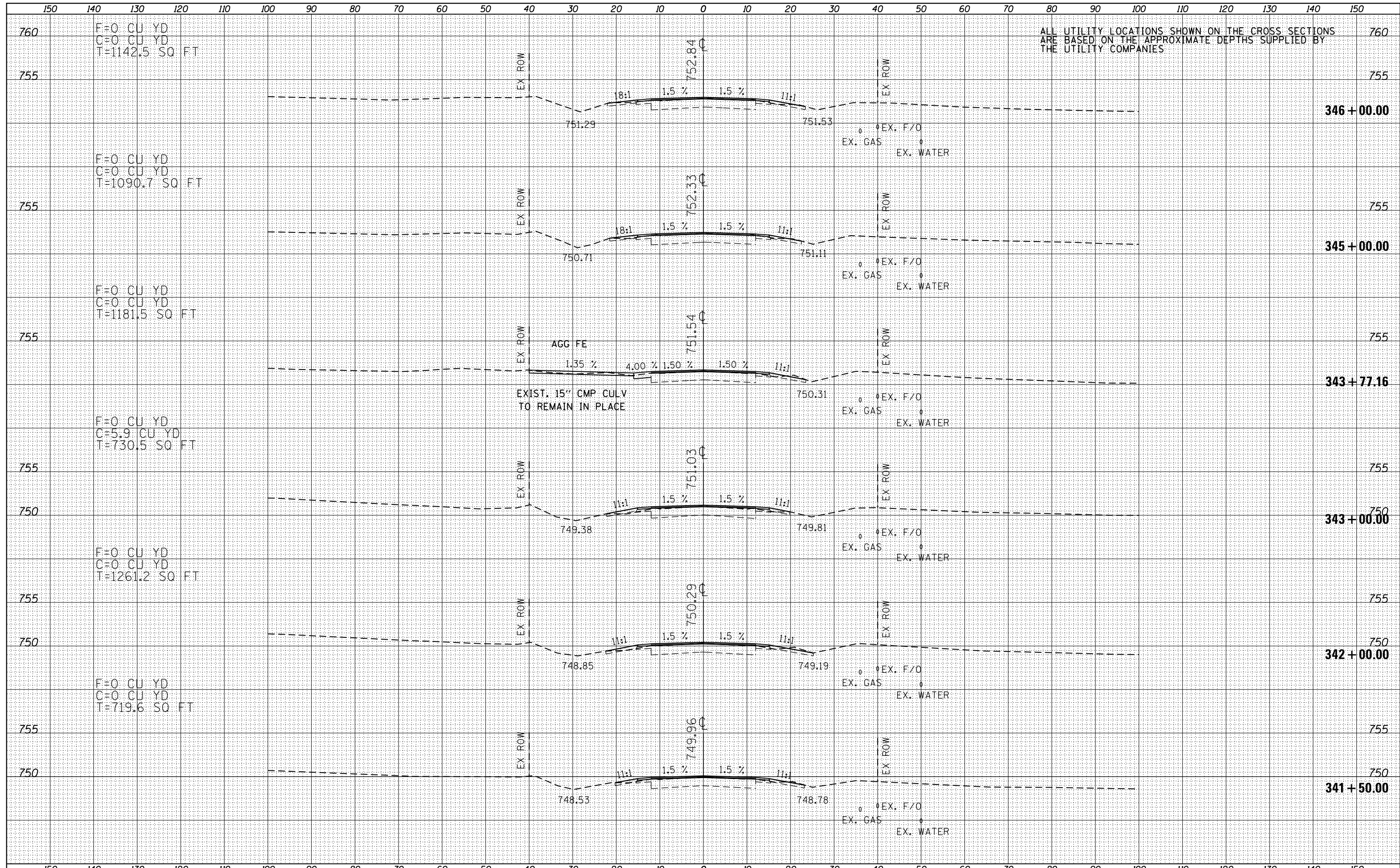
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 116 CROSS SECTIONS  
 SCALE: 1"=20'H,10'V SHEET 29 OF 127 SHEETS STA. 339+38.27 TO STA. 341+00.00

|                           |                                |                  |              |           |
|---------------------------|--------------------------------|------------------|--------------|-----------|
| F.A.P. RTE.               | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |
| 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 157       |
| CONTRACT NO. 68A26        |                                |                  |              |           |
| ILLINOIS FED. AID PROJECT |                                |                  |              |           |

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| BY              |  |
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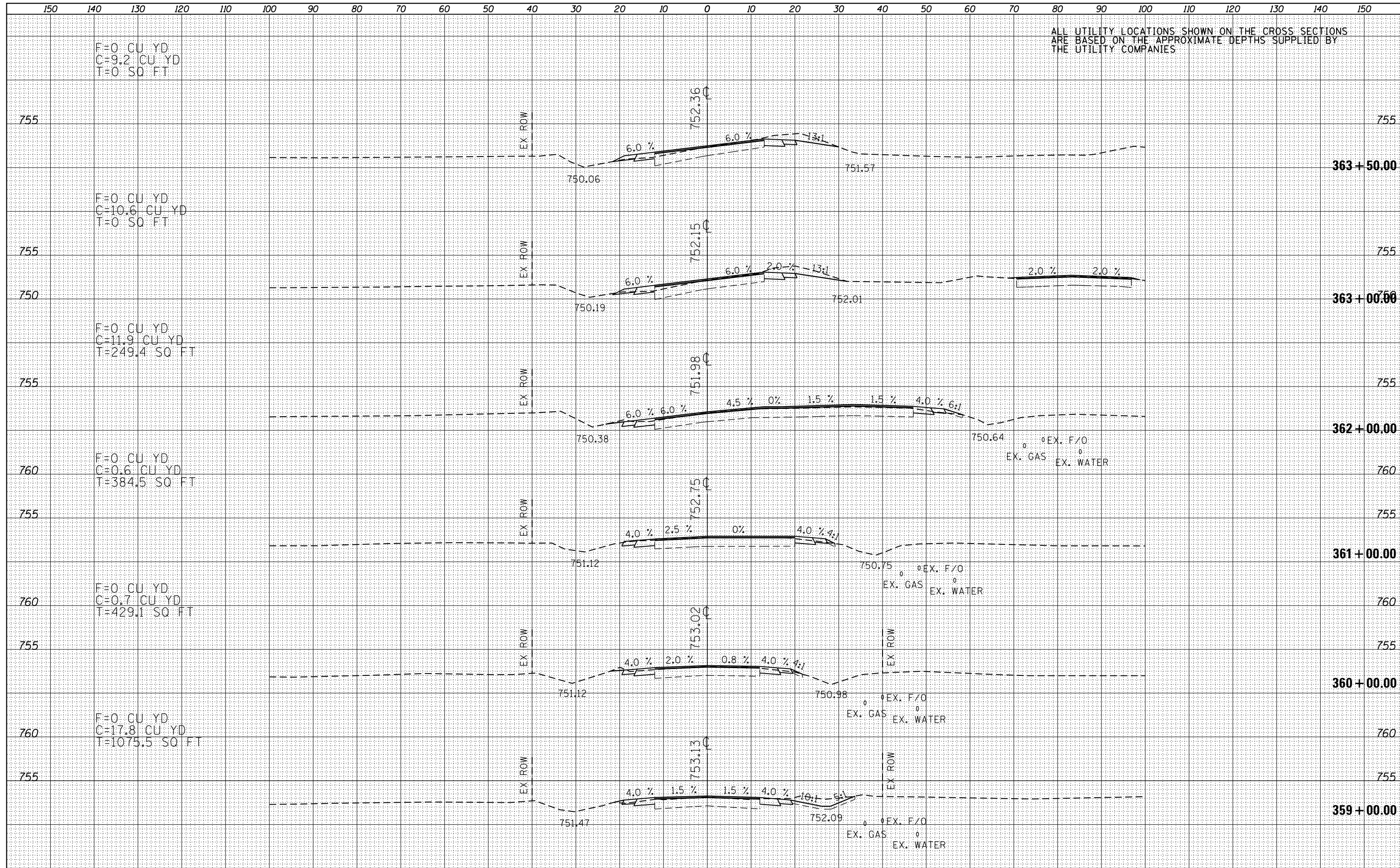




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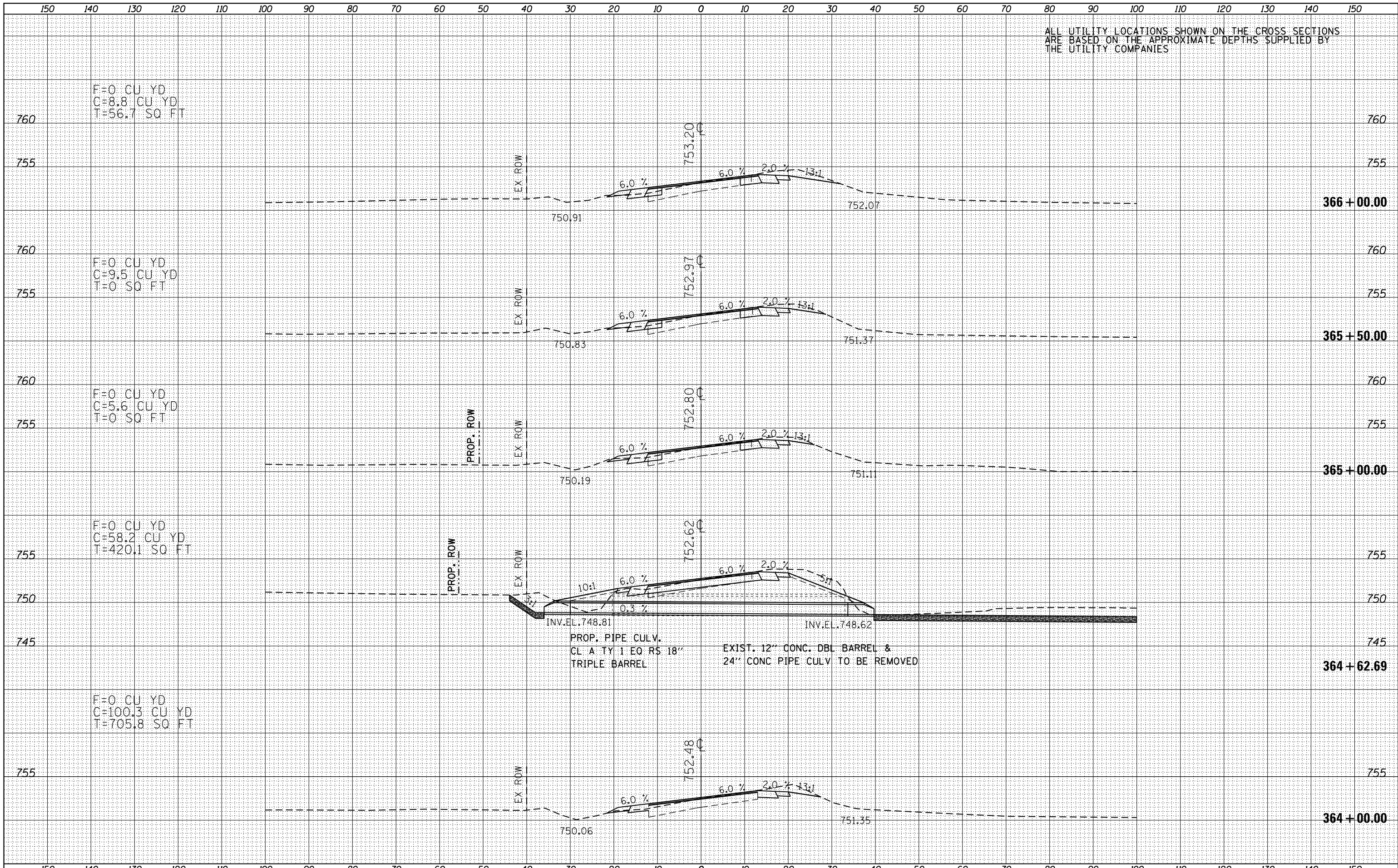
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

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F=0 CU YD  
C=8.8 CU YD  
T=56.7 SQ FT

F=0 CU YD  
C=9.5 CU YD  
T=0 SQ FT

F=0 CU YD  
C=5.6 CU YD  
T=0 SQ FT

F=0 CU YD  
C=58.2 CU YD  
T=420.1 SQ FT

F=0 CU YD  
C=100.3 CU YD  
T=705.8 SQ FT

FILE NAME = D468A26-sht-xssh.tdgn  
Default

USER NAME = keathbr  
DESIGNED -  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

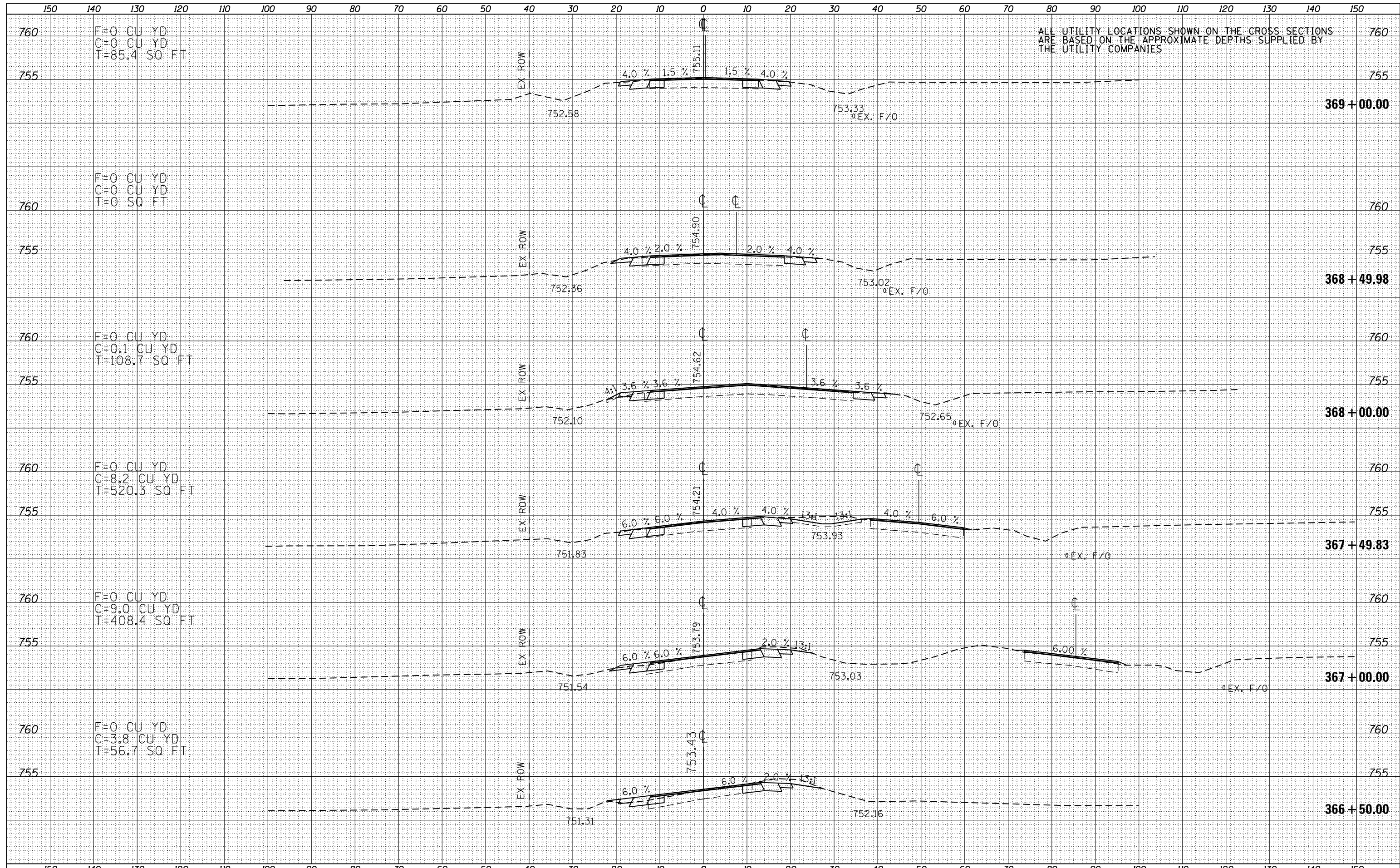
IL 116 CROSS SECTIONS

SCALE: 1"=20'H,10'V SHEET 34 OF 127 SHEETS STA. 364+00.00 TO STA. 366+00.00

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255                       | 162       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |

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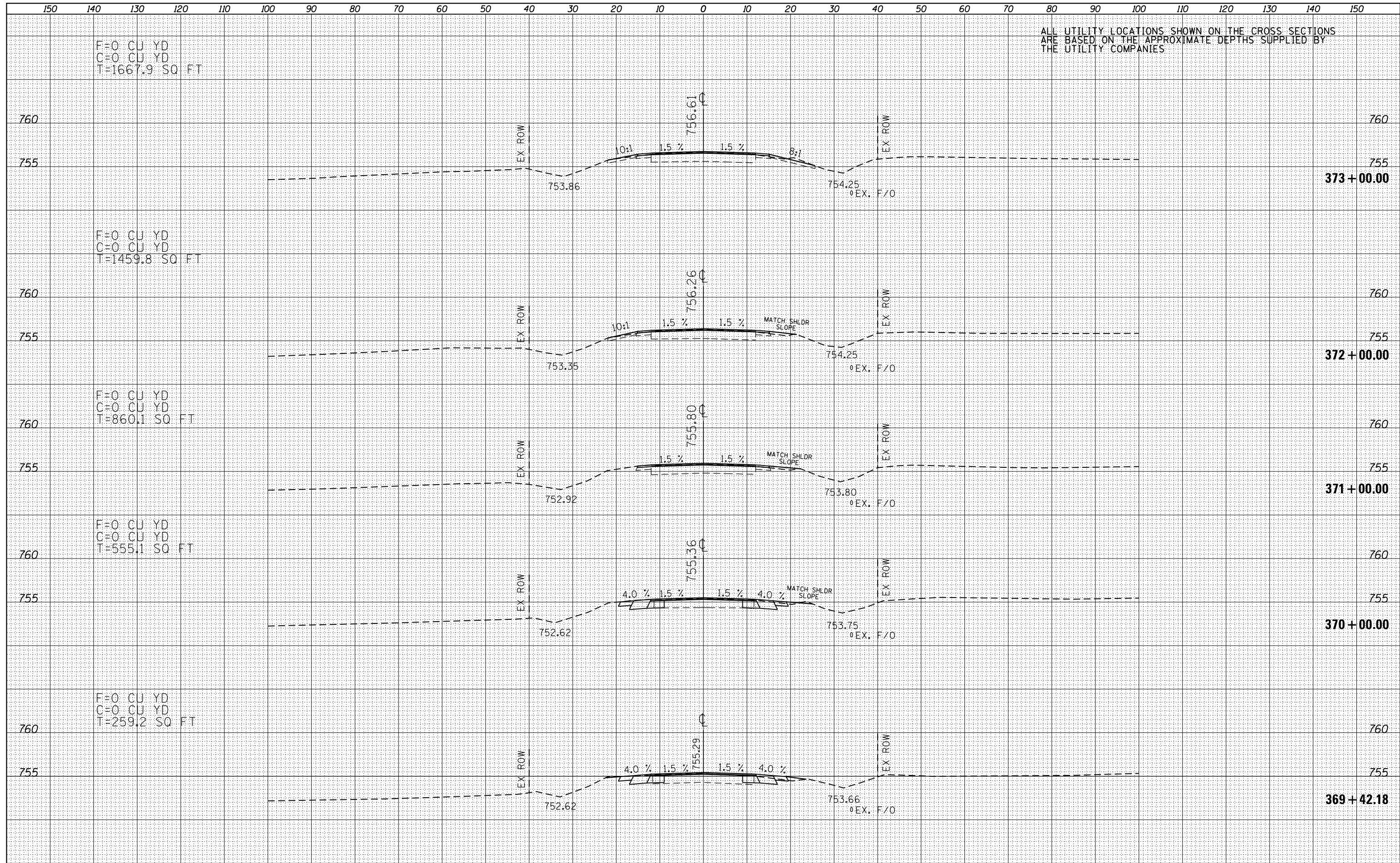
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=0 CU YD  
T=1667.9 SQ FT

F=0 CU YD  
C=0 CU YD  
T=1459.8 SQ FT

F=0 CU YD  
C=0 CU YD  
T=860.1 SQ FT

F=0 CU YD  
C=0 CU YD  
T=555.1 SQ FT

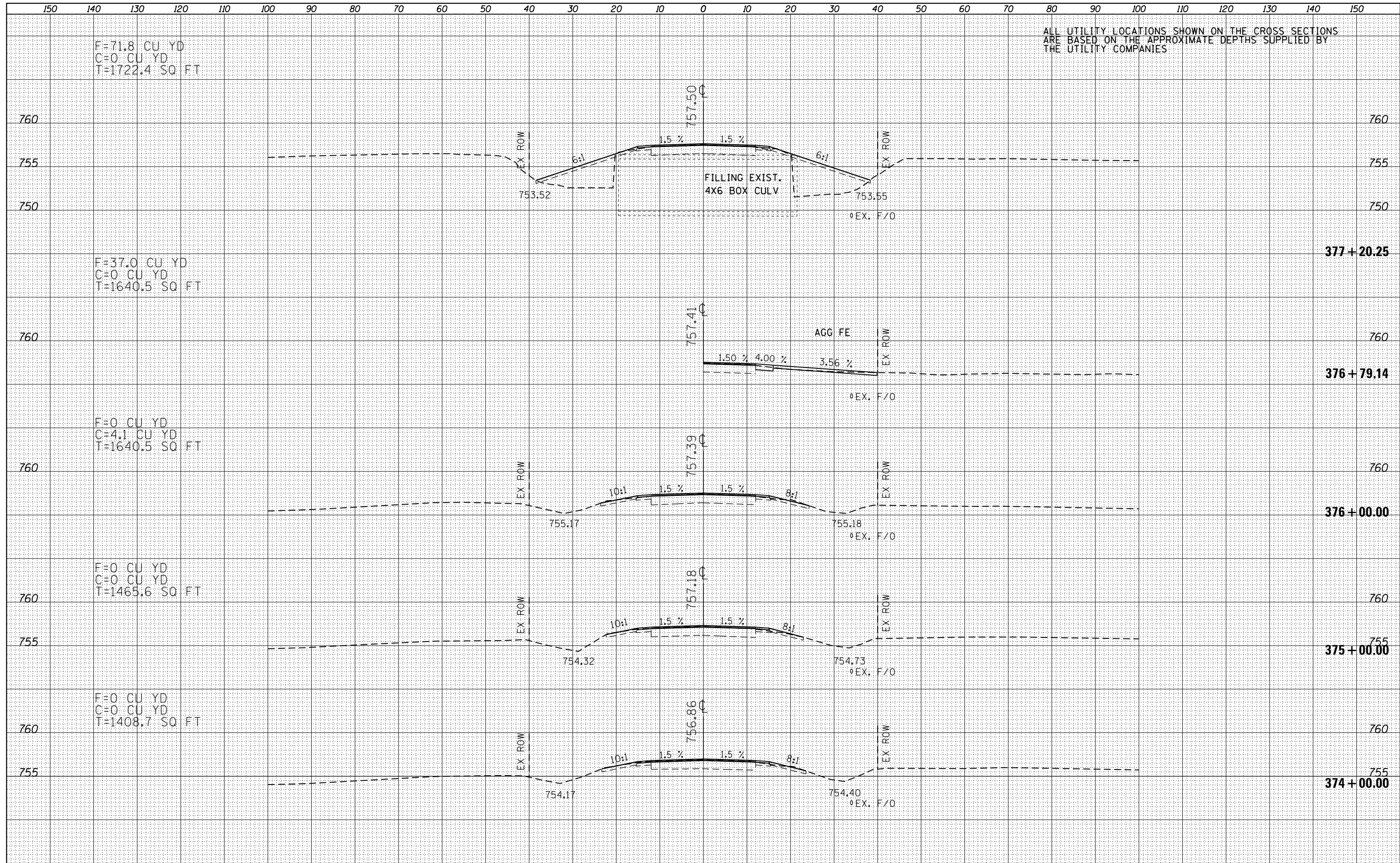
F=0 CU YD  
C=0 CU YD  
T=259.2 SQ FT



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| FINAL SURVEY NO.        |  |
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| ORIGINAL SURVEY NO.     |  |
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| NOTE BOOK AREAS CHECKED |  |

ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



F=71.8 CU YD  
C=0 CU YD  
T=1722.4 SQ FT

F=37.0 CU YD  
C=0 CU YD  
T=1640.5 SQ FT

F=0 CU YD  
C=4.1 CU YD  
T=1640.5 SQ FT

F=0 CU YD  
C=0 CU YD  
T=1465.6 SQ FT

F=0 CU YD  
C=0 CU YD  
T=1408.7 SQ FT

377+20.25

376+79.14

376+00.00

375+00.00

374+00.00

ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=0 CU YD  
T=411.7 SQ FT

F=0 CU YD  
C=0 CU YD  
T=357.3 SQ FT

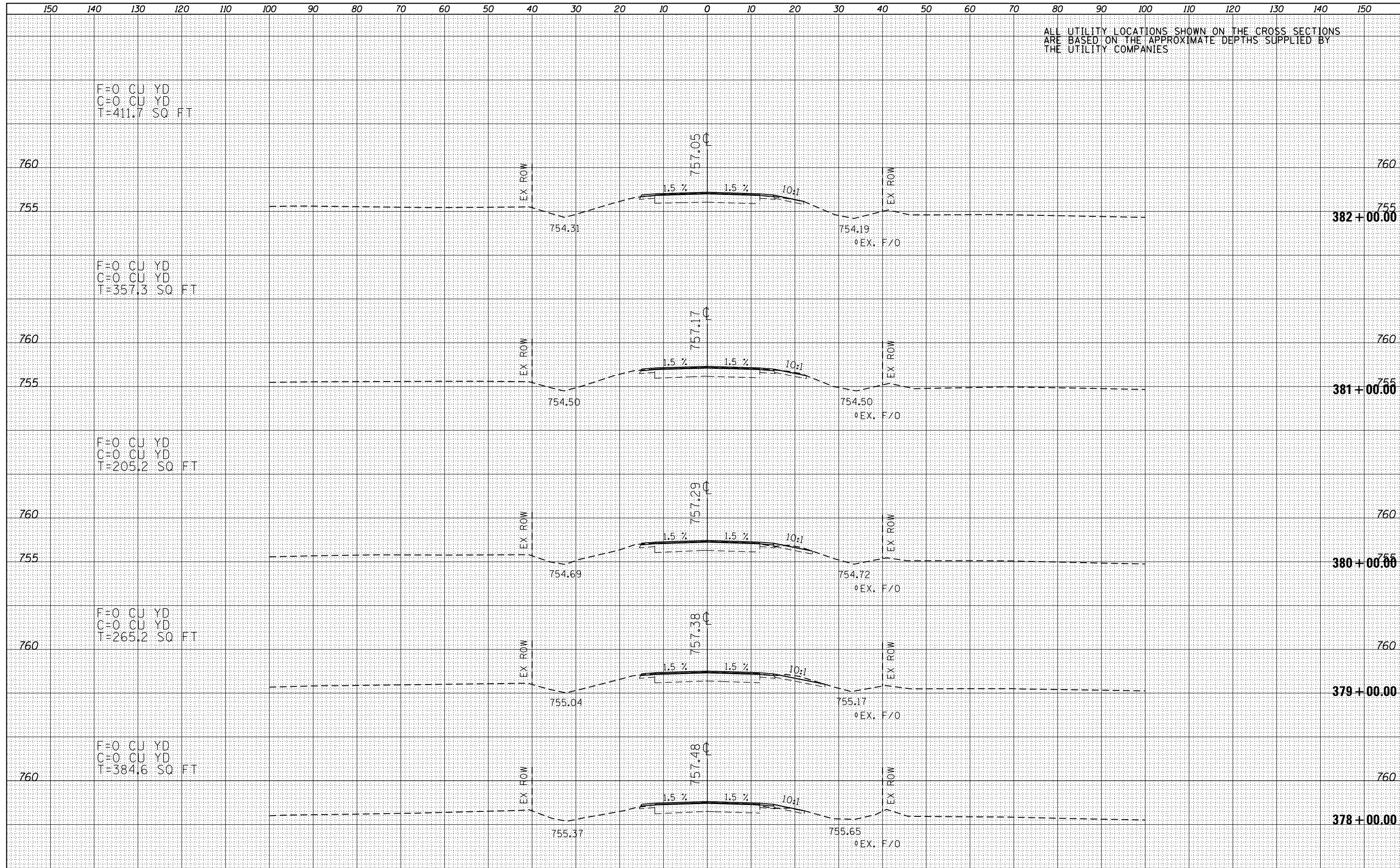
F=0 CU YD  
C=0 CU YD  
T=205.2 SQ FT

F=0 CU YD  
C=0 CU YD  
T=265.2 SQ FT

F=0 CU YD  
C=0 CU YD  
T=384.6 SQ FT

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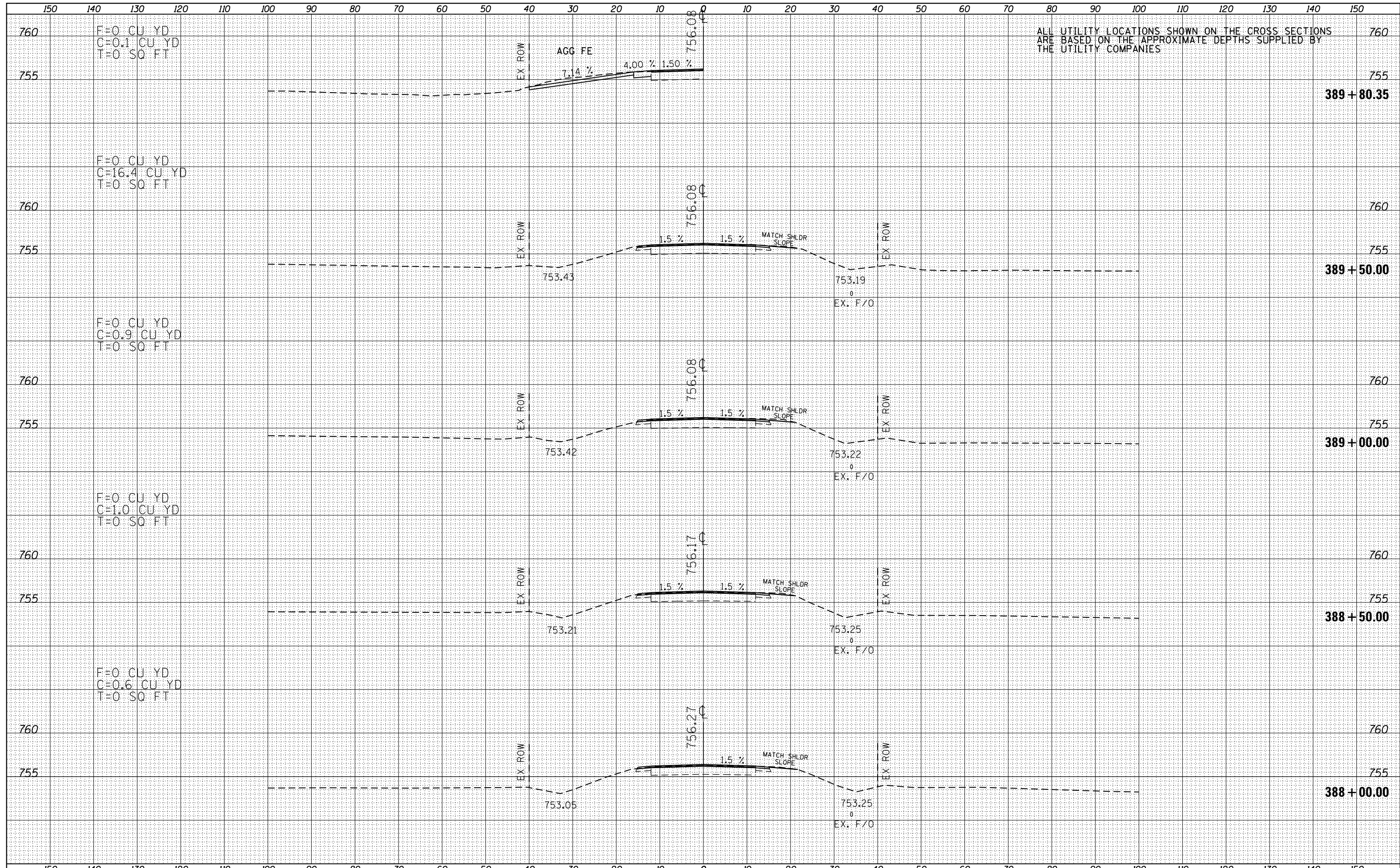
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=0 CU YD  
T=408.3 SQ FT

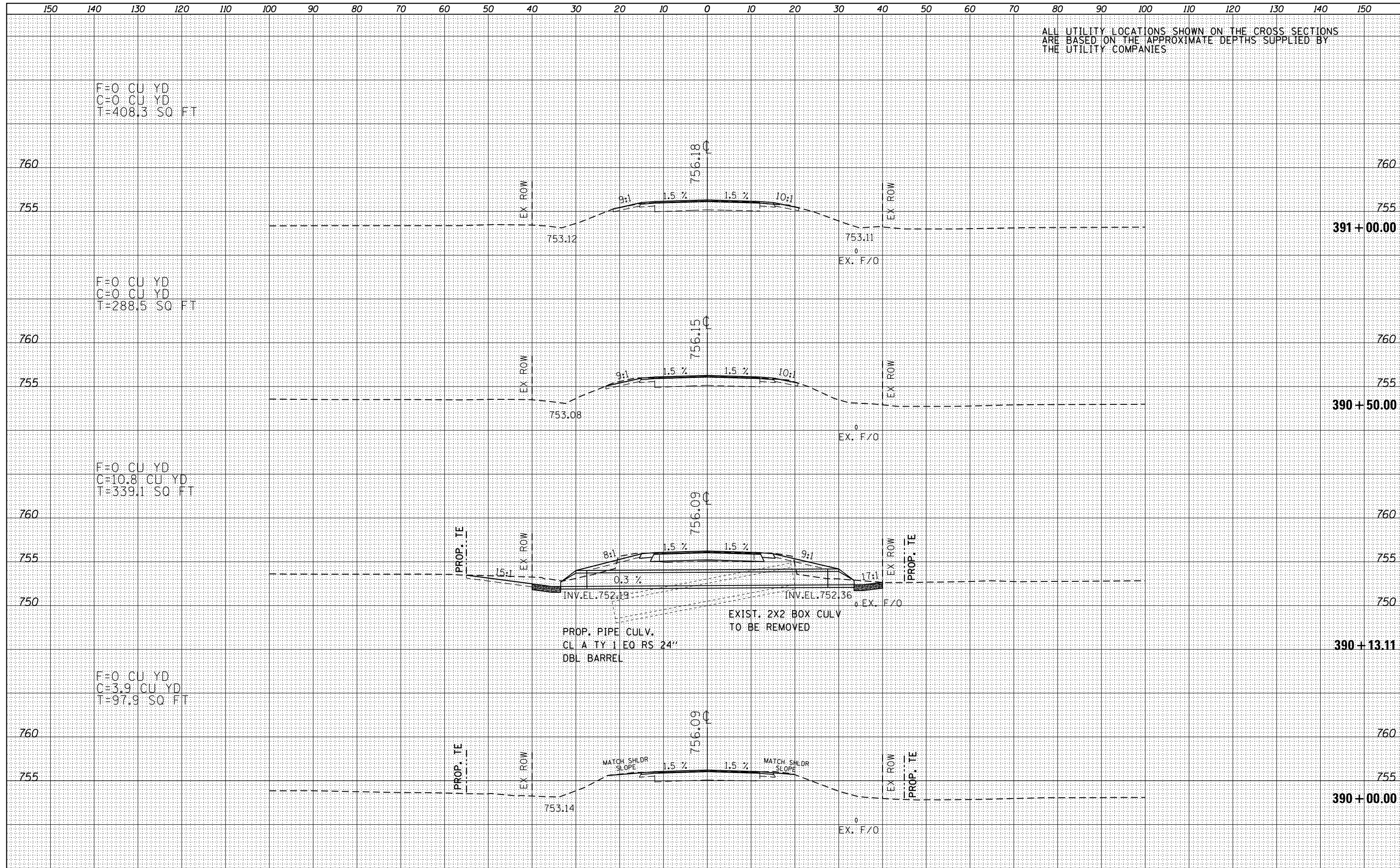
F=0 CU YD  
C=0 CU YD  
T=288.5 SQ FT

F=0 CU YD  
C=10.8 CU YD  
T=339.1 SQ FT

F=0 CU YD  
C=3.9 CU YD  
T=97.9 SQ FT

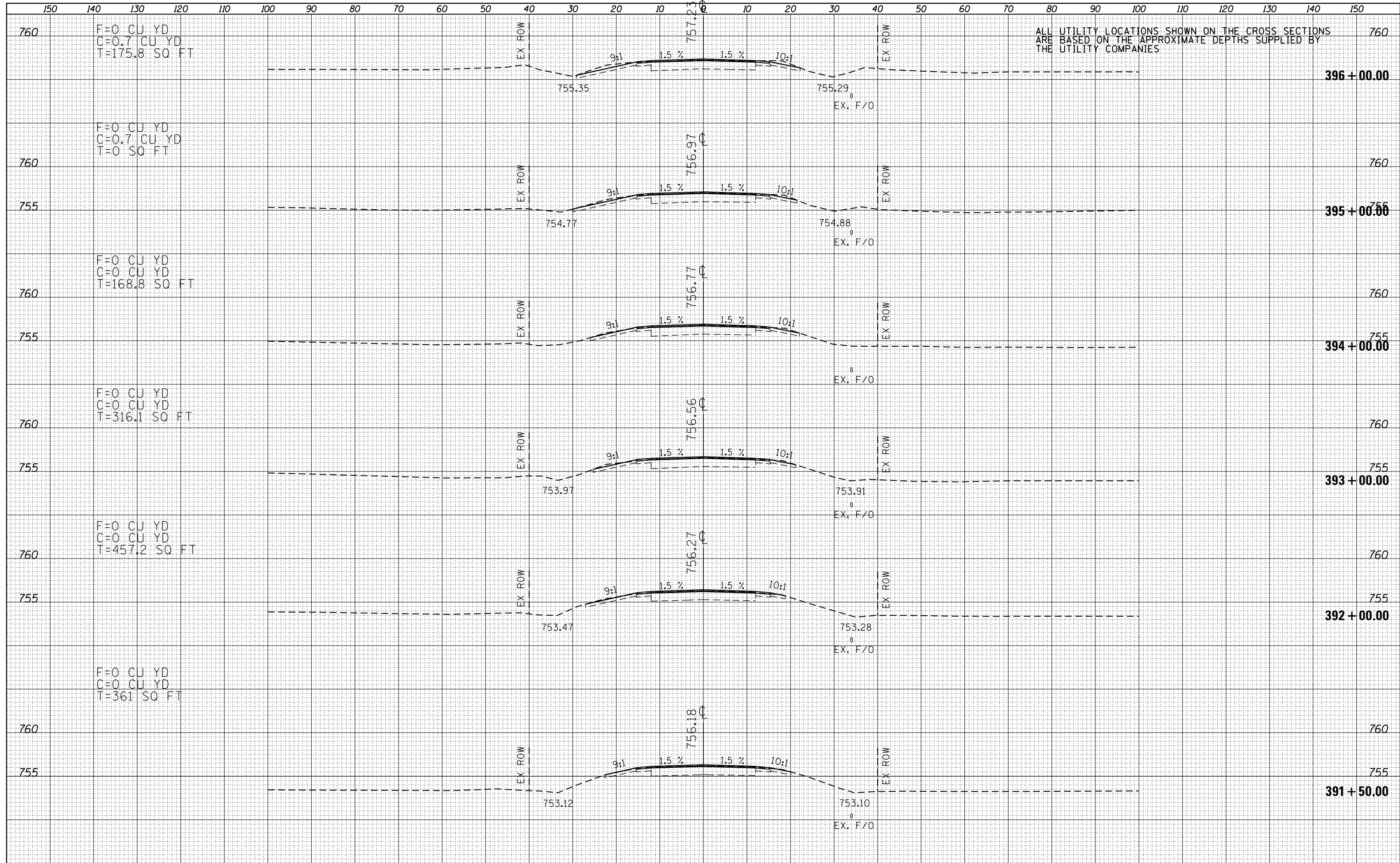
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FILE NAME = D468A26-sht-xxshL.dgn  
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| USER NAME = keathbr         | DESIGNED - | REVISED - |
|                             | DRAWN -    | REVISED - |
| PLOT SCALE = 20.0000' / in. | CHECKED -  | REVISED - |
| PLOT DATE = 3/20/2015       | DATE -     | REVISED - |

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**IL 116 CROSS SECTIONS**

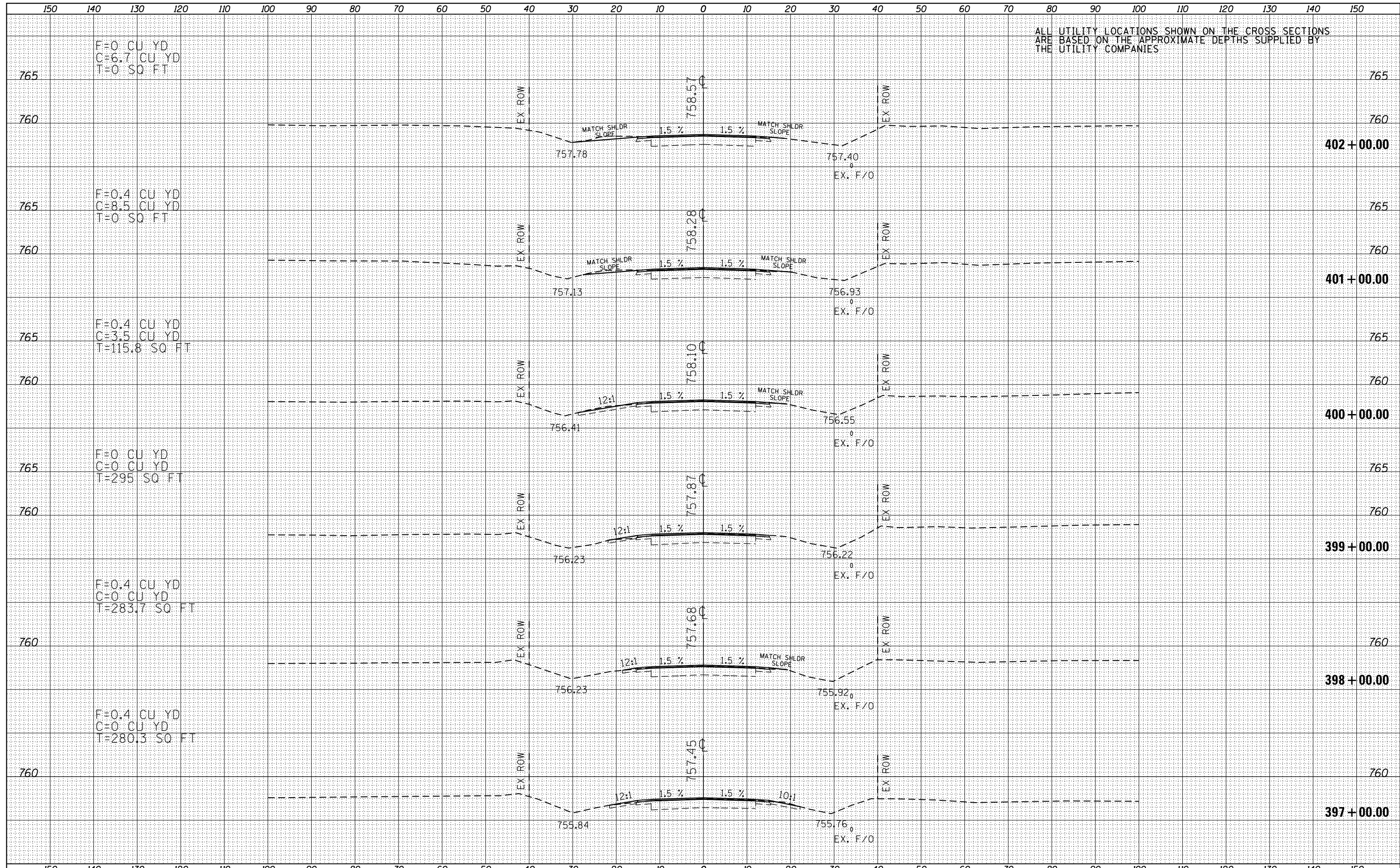
SCALE: 1"=20'H,10'V SHEET 42 OF 127 SHEETS STA. 391+50.00 TO STA. 396+00.00

|                    |                                |                  |                           |           |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255                       | 170       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |

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| DATE            |  |
| BY              |  |
| FINISHED SURVEY |  |
| PLOTTED         |  |
| TEMPLATE        |  |
| AREAS CHECKED   |  |
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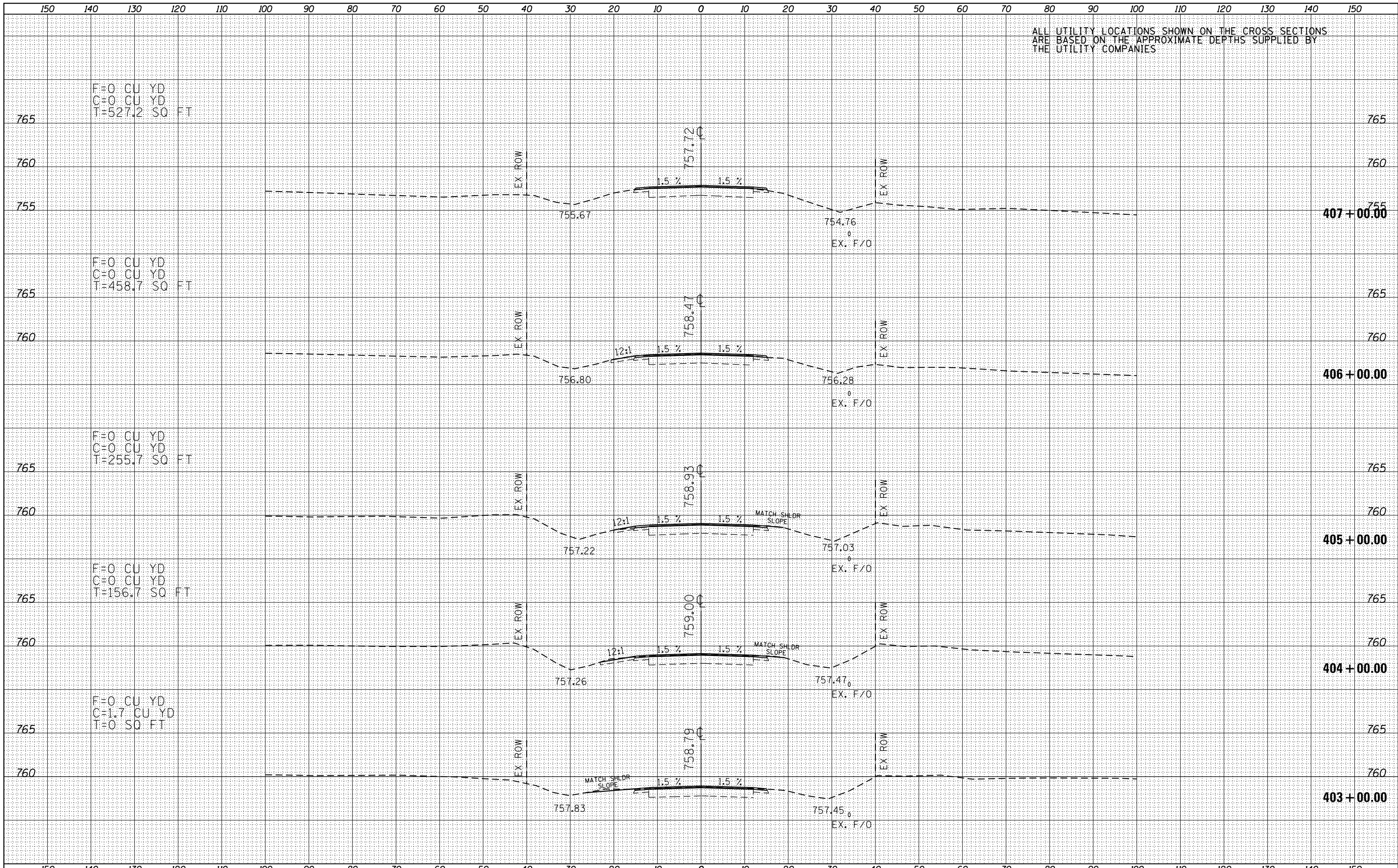
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

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FILE NAME = D468A26-sht-xssht.dgn

USER NAME = keathbr  
 DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE - 3/20/2015

REVISED -  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL 116 CROSS SECTIONS

SCALE: 1"=20'H,10'V SHEET 44 OF 127 SHEETS STA. 403+00.00 TO STA. 407+00.00

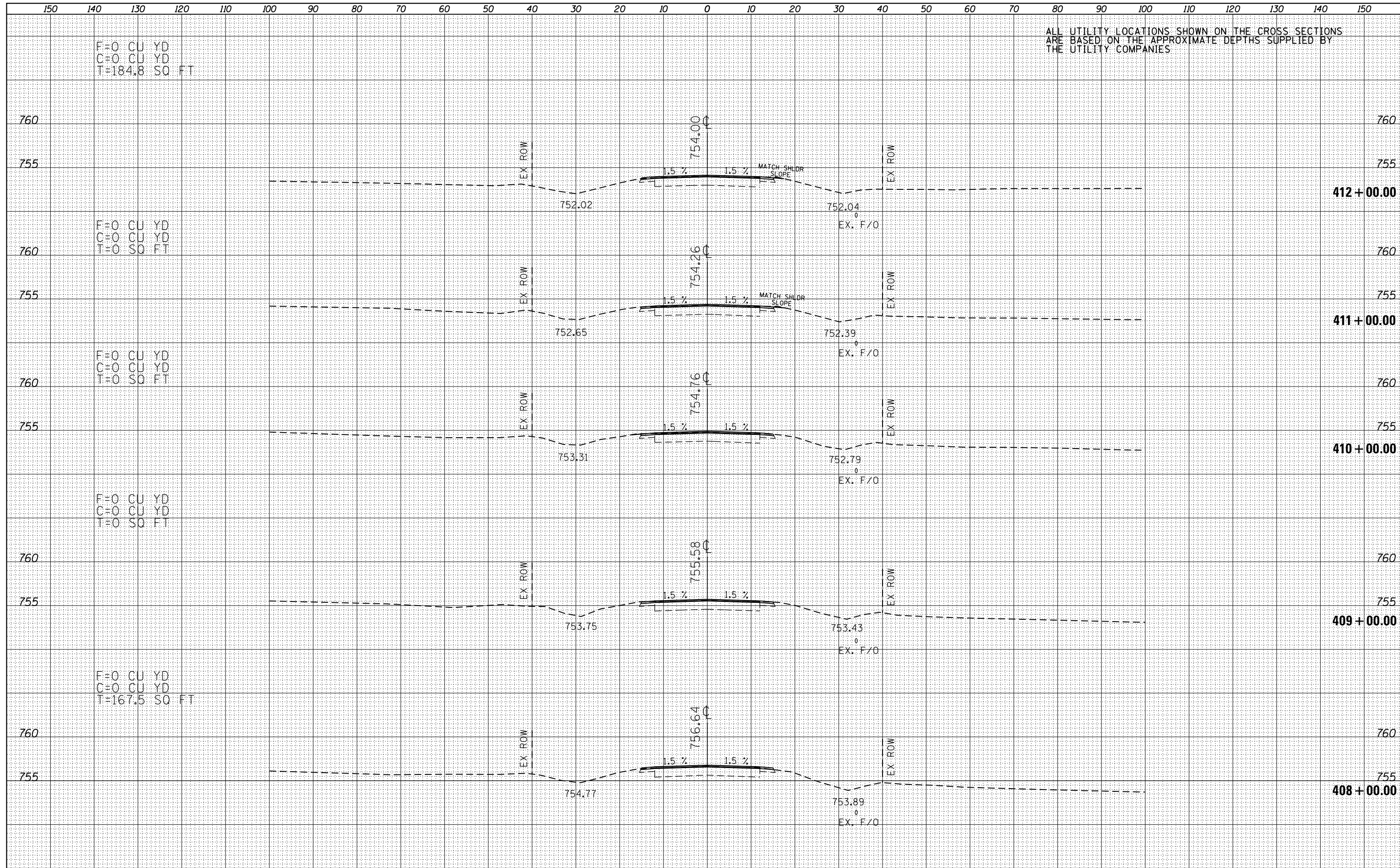
| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255                       | 172       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |



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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



F=0 CU YD  
C=0 CU YD  
T=184.8 SQ FT

F=0 CU YD  
C=0 CU YD  
T=0 SQ FT

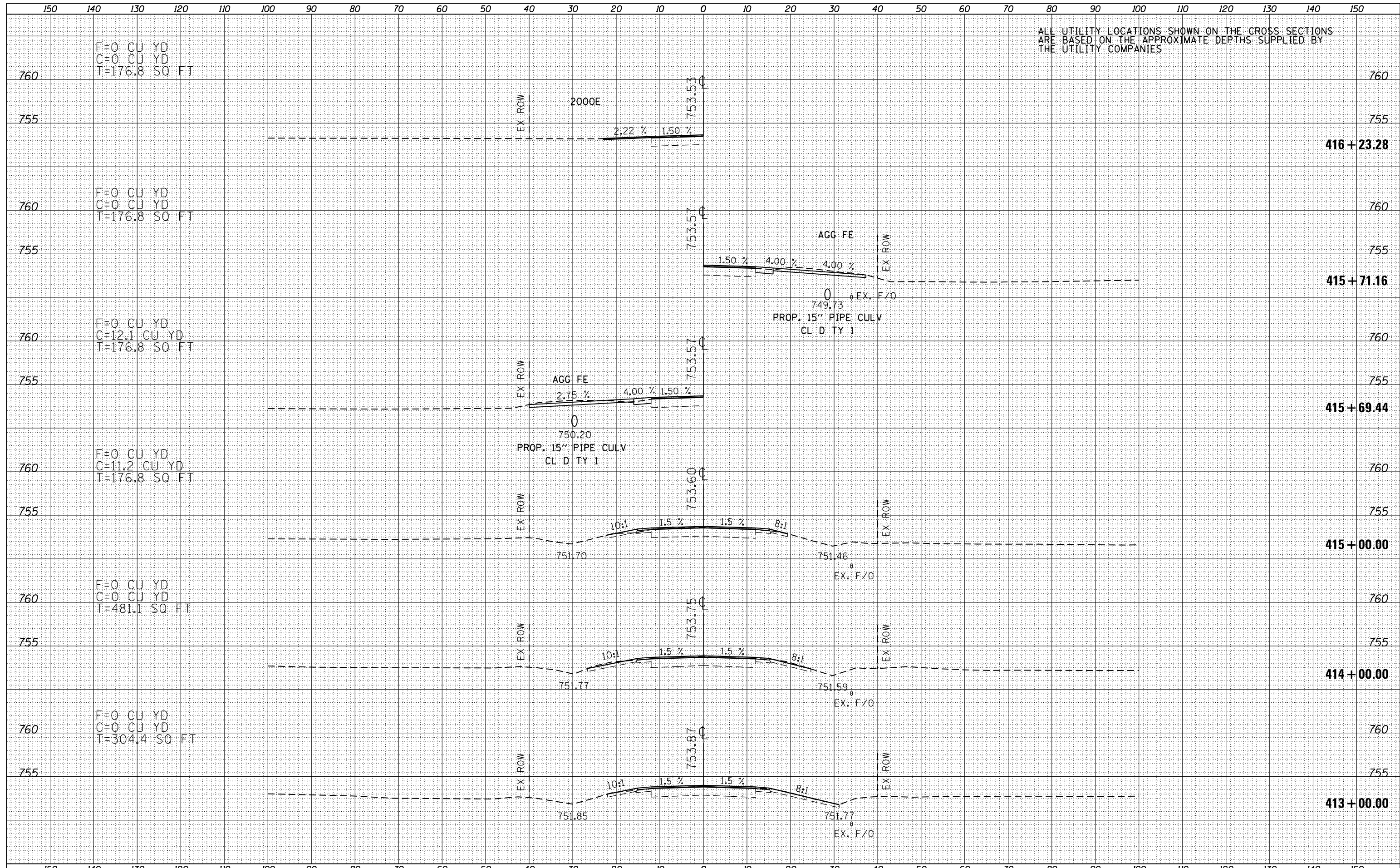
F=0 CU YD  
C=0 CU YD  
T=0 SQ FT

F=0 CU YD  
C=0 CU YD  
T=0 SQ FT

F=0 CU YD  
C=0 CU YD  
T=167.5 SQ FT

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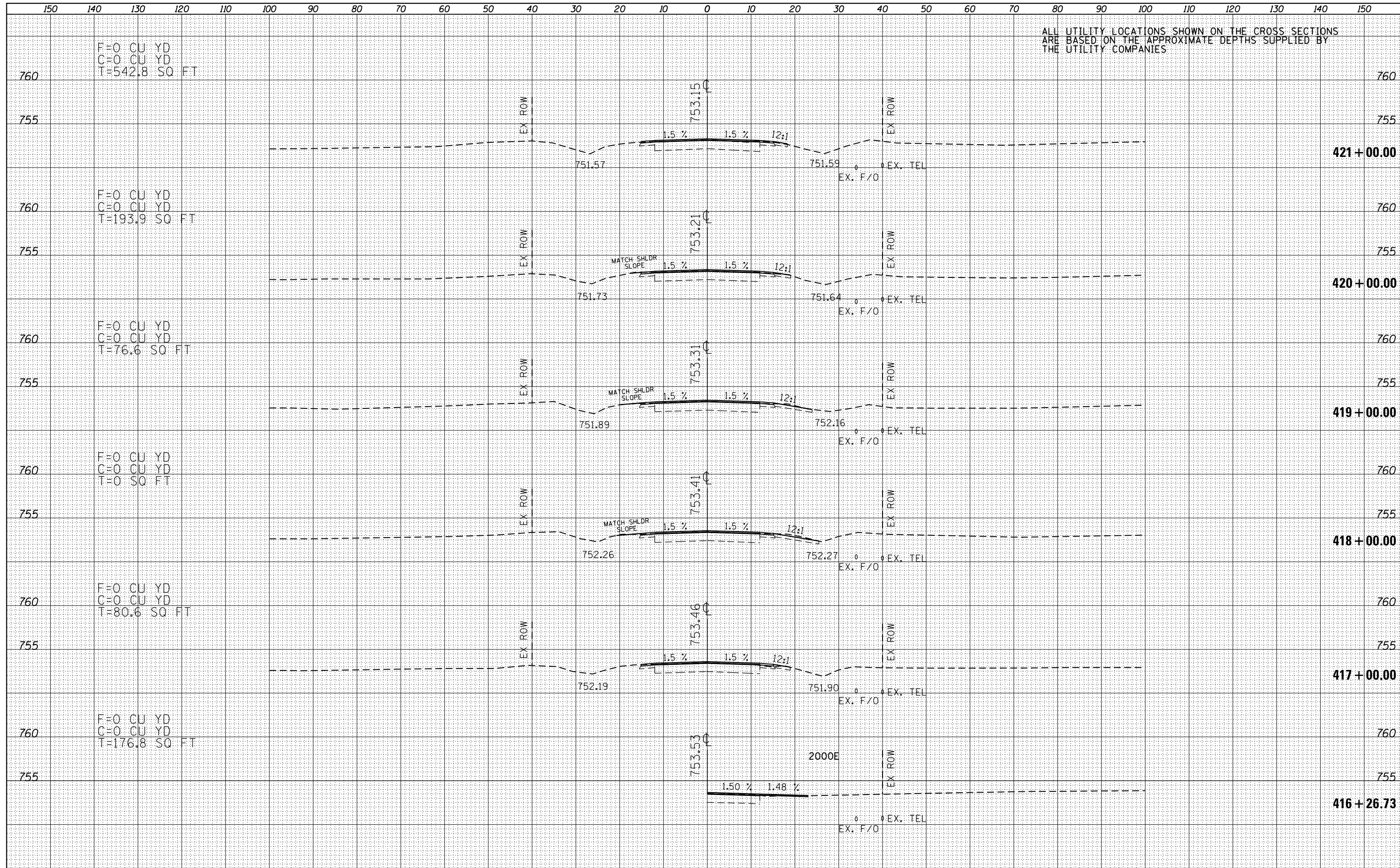


ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

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| DATE            |  |
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| FINISHED SURVEY |  |
| PLOTTED         |  |
| TEMPLATE        |  |
| NOTE BOOK       |  |
| AREAS CHECKED   |  |
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| DATE            |  |
| BY              |  |
| ORIGINAL SURVEY |  |
| PLOTTED         |  |
| TEMPLATE        |  |
| NOTE BOOK       |  |
| AREAS CHECKED   |  |
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



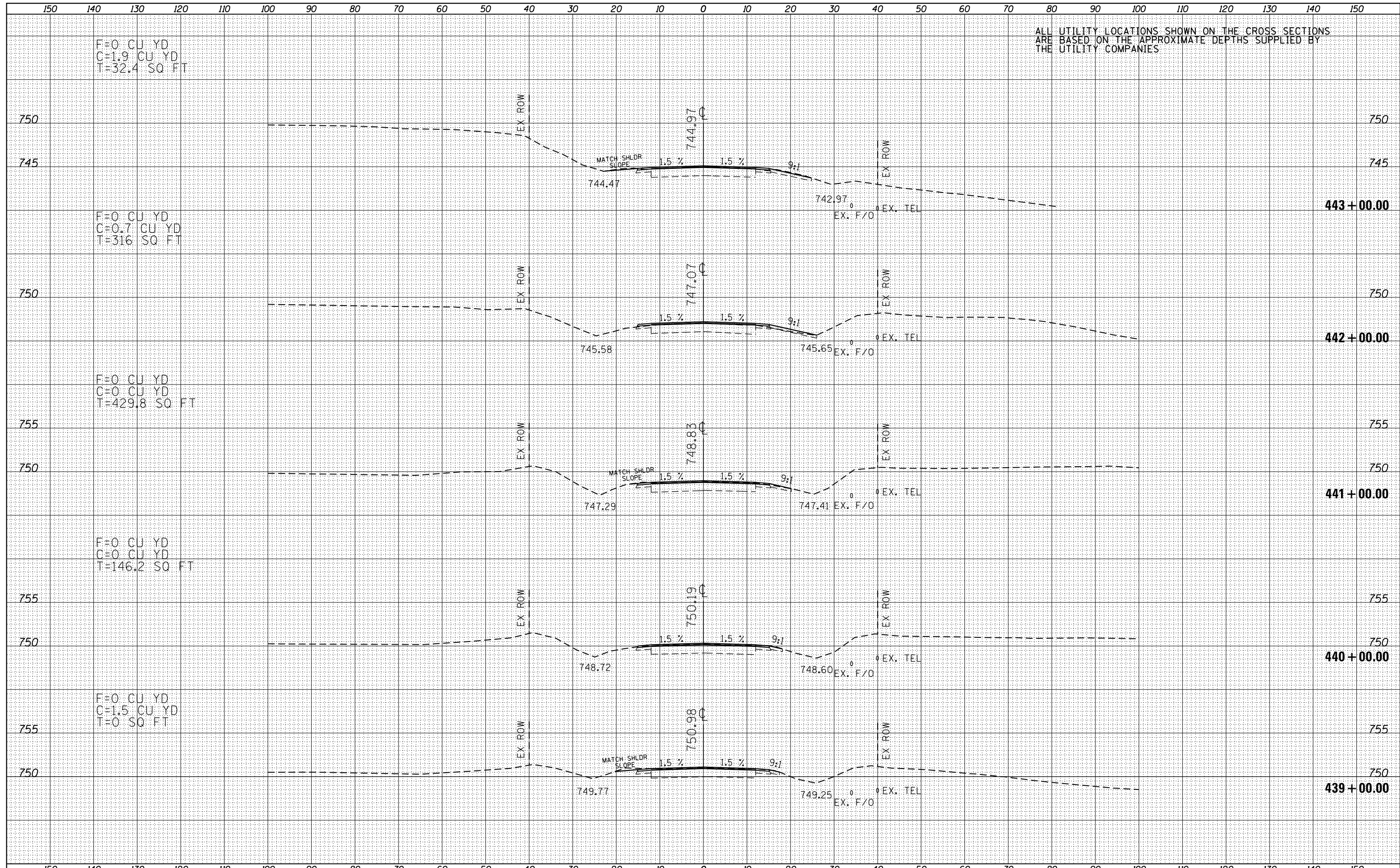






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| DATE            |  |
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| ORIGINAL SURVEY |  |
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| TEMPLATE        |  |
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=1.9 CU YD  
T=32.4 SQ FT

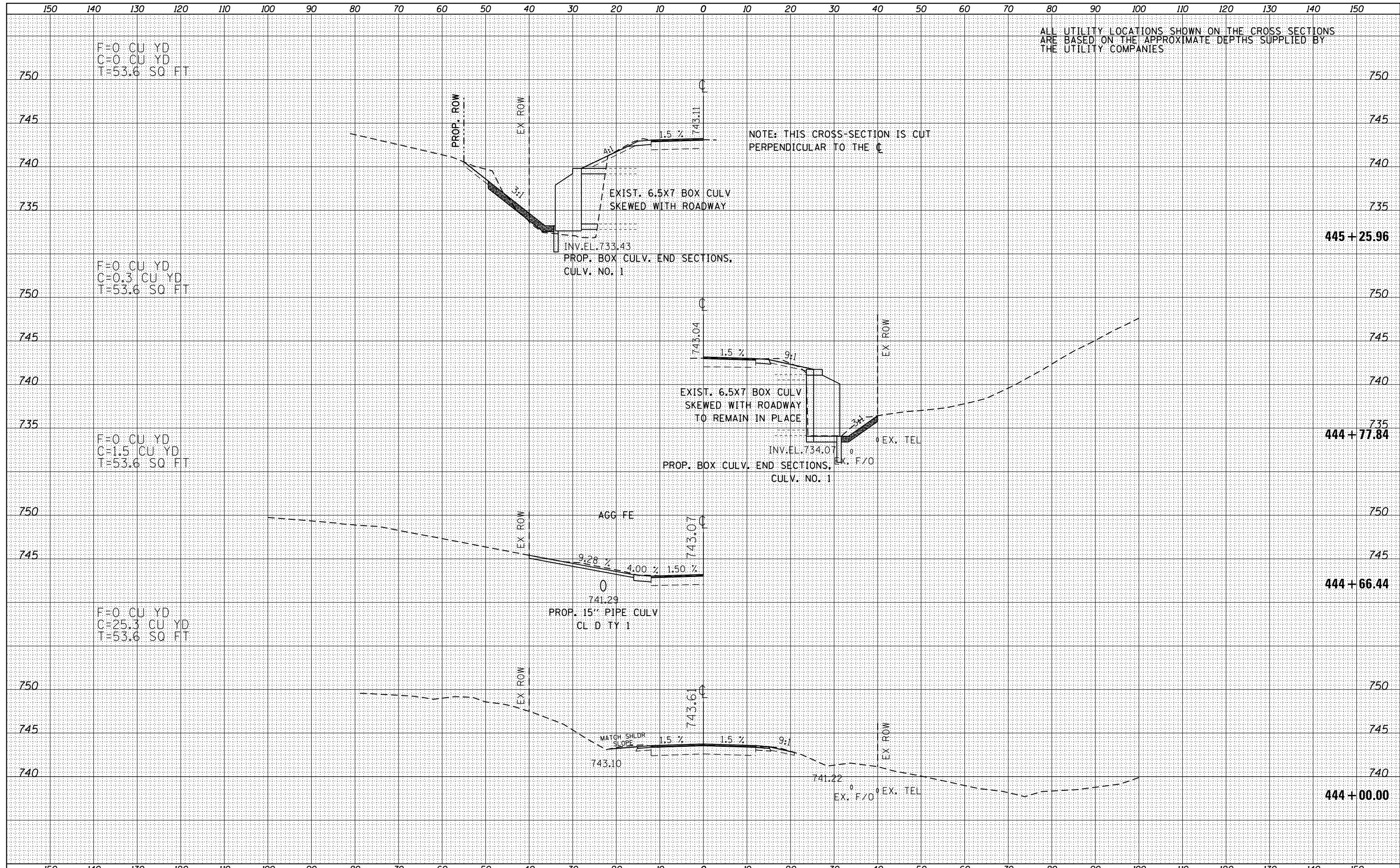
F=0 CU YD  
C=0.7 CU YD  
T=316 SQ FT

F=0 CU YD  
C=0 CU YD  
T=429.8 SQ FT

F=0 CU YD  
C=1.5 CU YD  
T=0 SQ FT

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| FINISHED SURVEY |  |
| NOTED SURVEY    |  |
| NO. CHECKED     |  |

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| DATE            |  |
| BY              |  |
| ORIGINAL SURVEY |  |
| NOTED SURVEY    |  |
| NO. CHECKED     |  |



ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

NOTE: THIS CROSS-SECTION IS CUT PERPENDICULAR TO THE C

EXIST. 6.5X7 BOX CULV SKEWED WITH ROADWAY

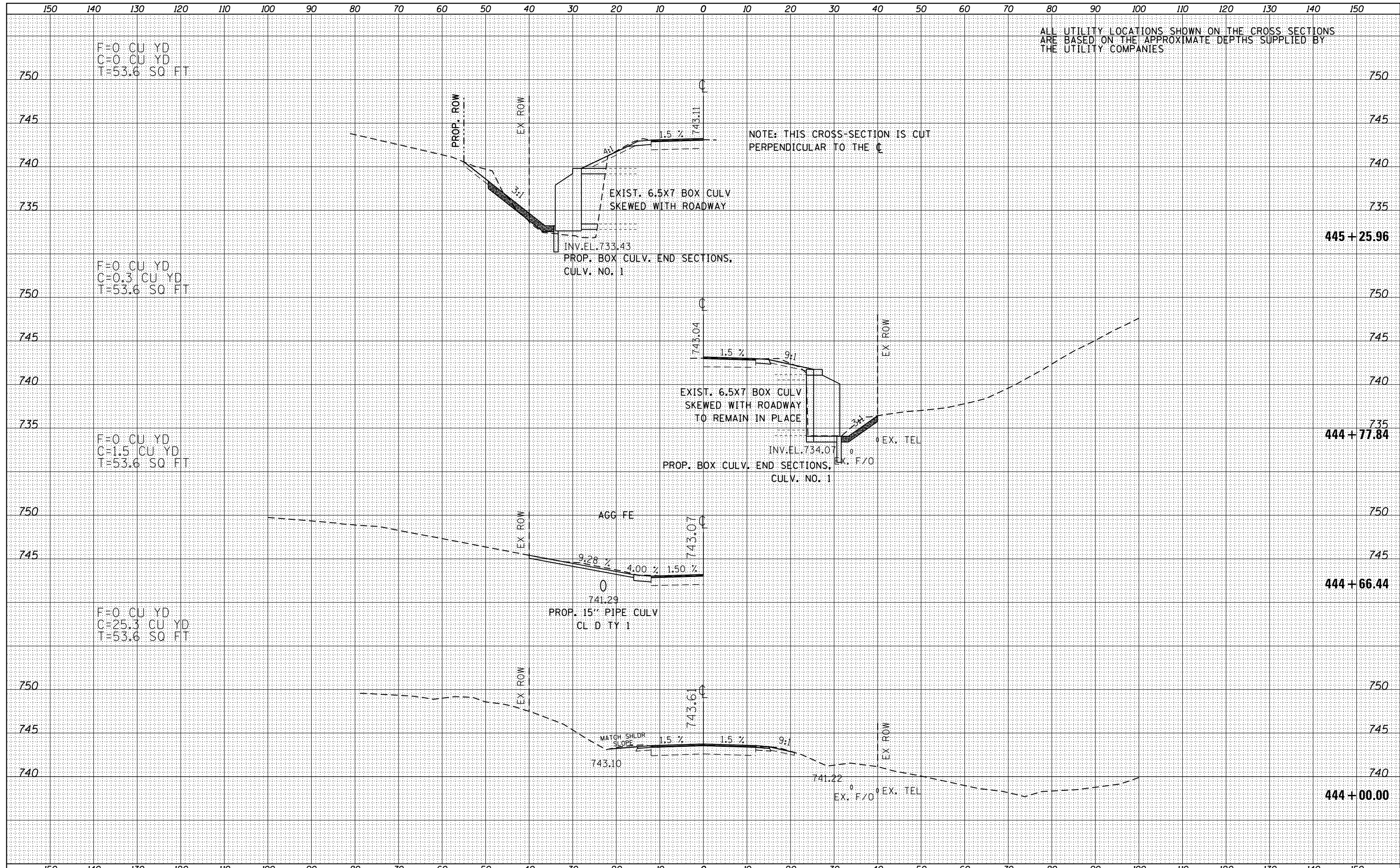
PROP. BOX CULV. END SECTIONS, CULV. NO. 1

EXIST. 6.5X7 BOX CULV SKEWED WITH ROADWAY TO REMAIN IN PLACE

PROP. BOX CULV. END SECTIONS, CULV. NO. 1

AGG FE

PROP. 15' PIPE CULV CL D TY 1



|                       |                     |            |           |   |                              |                           |                                |                  |              |           |  |
|-----------------------|---------------------|------------|-----------|---|------------------------------|---------------------------|--------------------------------|------------------|--------------|-----------|--|
| FILE NAME =           | USER NAME = keathbr | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 116 CROSS SECTIONS</b> | F.A.P. RTE.               | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |  |
| D468A26-sht-xxshL.dgn |                     | DRAWN -    | REVISED - |   |                              | 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 180       |  |
| Default               |                     | CHECKED -  | REVISED - |   |                              | CONTRACT NO. 68A26        |                                |                  |              |           |  |
|                       |                     | DATE -     | REVISED - |   |                              | ILLINOIS FED. AID PROJECT |                                |                  |              |           |  |

SCALE: 1"=20'H,10'V SHEET 52 OF 127 SHEETS STA. 444+00.00 TO STA. 445+25.96





ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=0 CU YD  
T=50.3 SQ FT

F=0 CU YD  
C=3.2 CU YD  
T=50.3 SQ FT

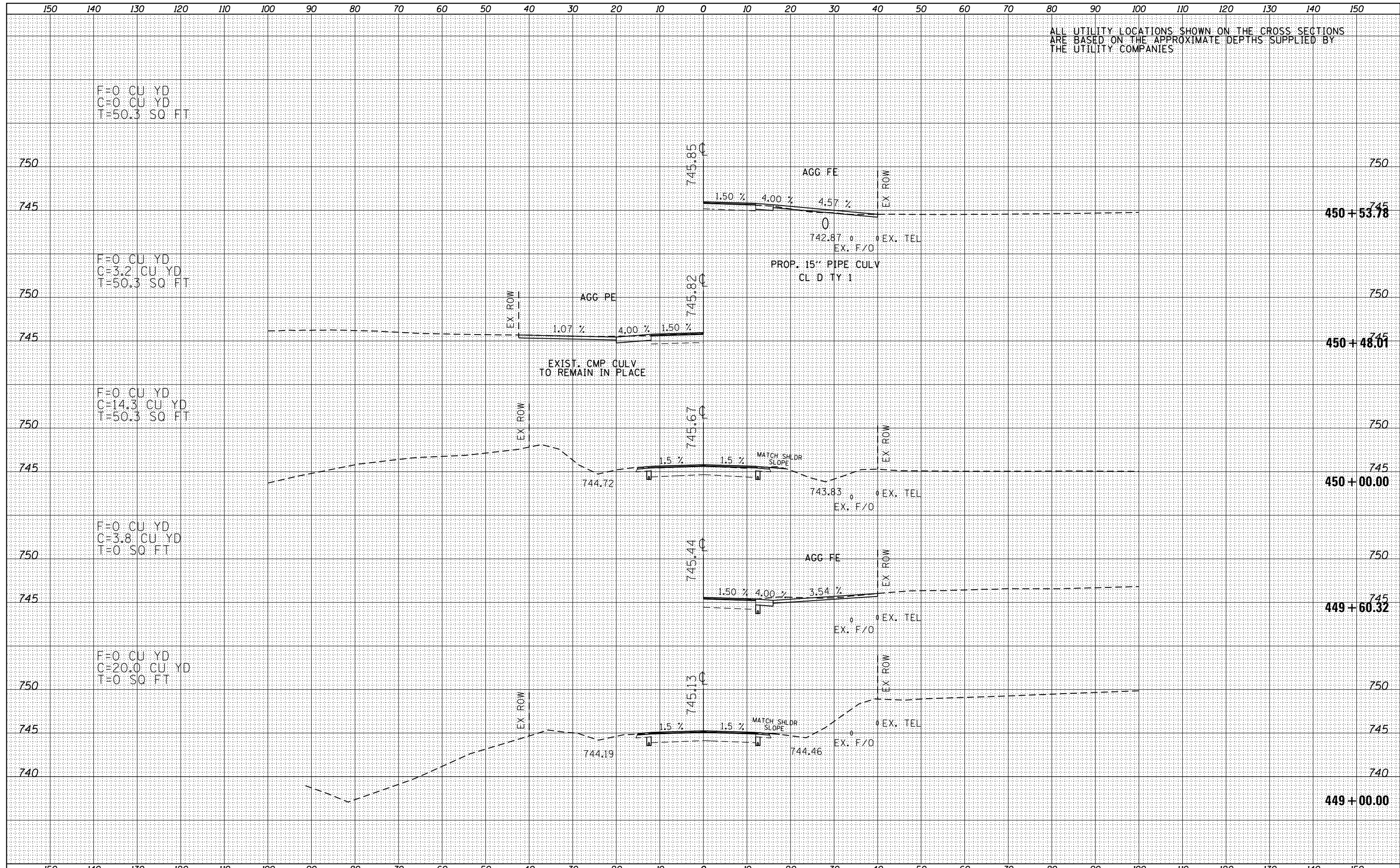
F=0 CU YD  
C=14.3 CU YD  
T=50.3 SQ FT

F=0 CU YD  
C=3.8 CU YD  
T=0 SQ FT

F=0 CU YD  
C=20.0 CU YD  
T=0 SQ FT

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| TEMPLATE         |  |
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| FINAL SURVEY NO. |  |
| NOTE BOOK NO.    |  |

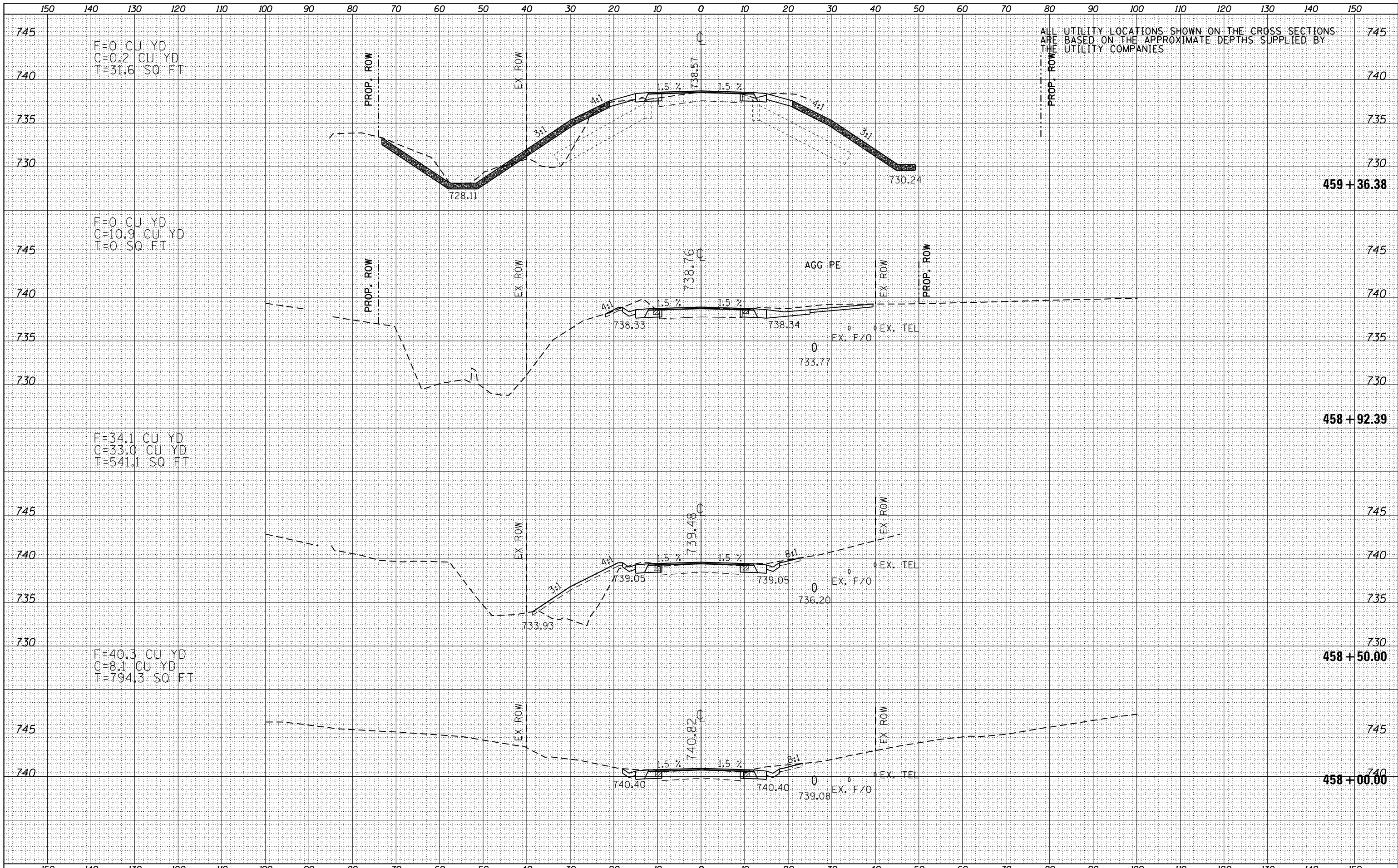
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| DATE                |  |
| BY                  |  |
| SURVEYED            |  |
| PLOTTED             |  |
| TEMPLATE            |  |
| AREAS               |  |
| CHECKED             |  |
| ORIGINAL SURVEY NO. |  |
| NOTE BOOK NO.       |  |



|                                   |                             |            |           |   |   |                           |                                |                  |              |           |  |
|-----------------------------------|-----------------------------|------------|-----------|---|---|---------------------------|--------------------------------|------------------|--------------|-----------|--|
| FILE NAME = D468A26-sht-xxshL.dgn | USER NAME = keathbr         | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 116 CROSS SECTIONS</b><br>SCALE: 1"=20'H,10'V SHEET 54 OF 127 SHEETS STA. 449+00.00 TO STA. 450+53.78 | F.A.P. RTE.               | SECTION                        | COUNTY           | TOTAL SHEETS | SHEET NO. |  |
| Default                           | PLOT SCALE = 20.0000' / in. | DRAWN -    | REVISED - |   |   | 665                       | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255          | 182       |  |
|                                   | PLOT DATE = 3/20/2015       | CHECKED -  | REVISED - |   |   | CONTRACT NO. 68A26        |                                |                  |              |           |  |
|                                   |                             | DATE -     | REVISED - |   |   | ILLINOIS FED. AID PROJECT |                                |                  |              |           |  |







ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

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| DATE            |  |
| BY              |  |
| ORIGINAL SURVEY |  |
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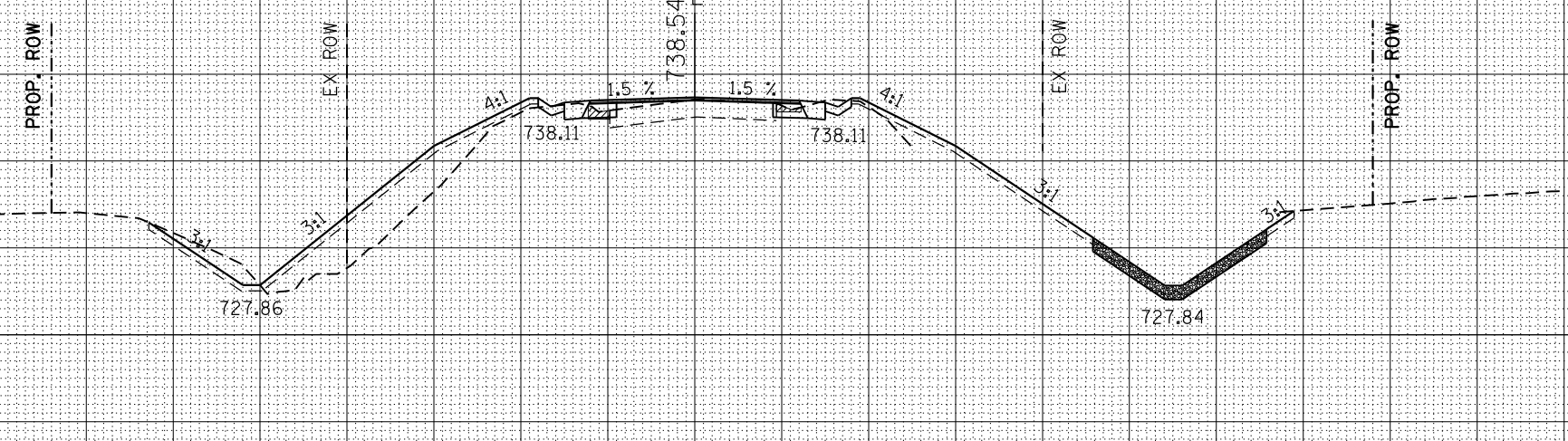
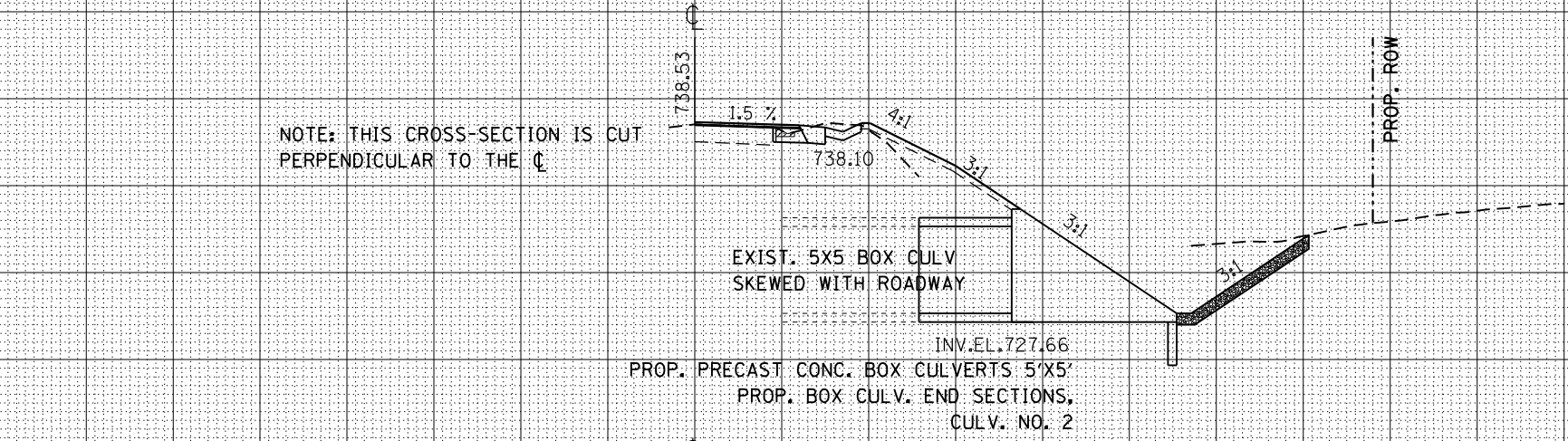
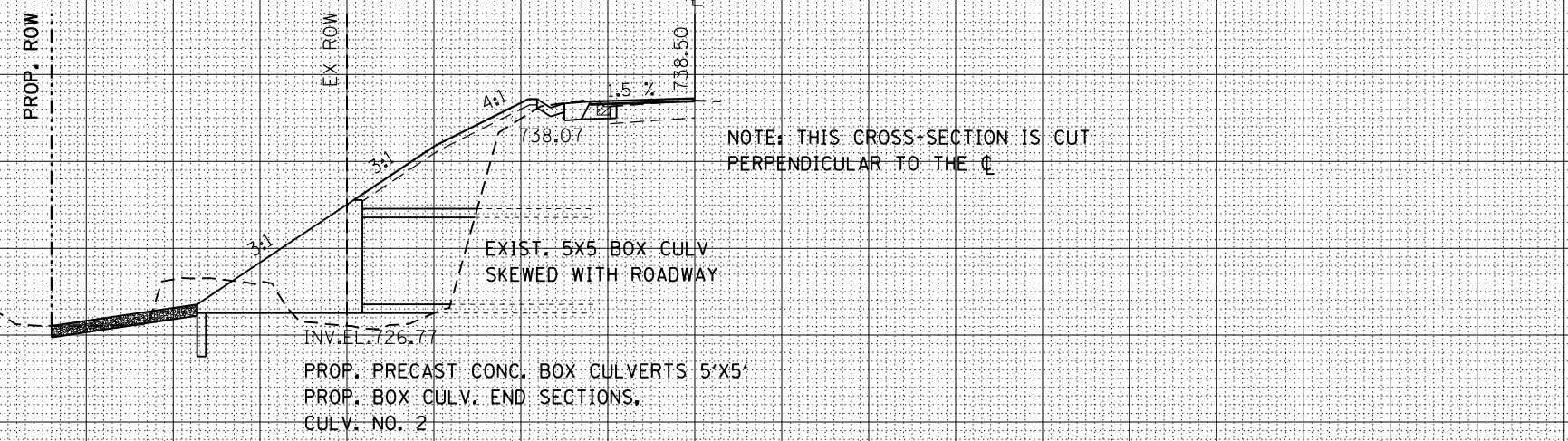
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| DATE            |  |
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| ORIGINAL SURVEY |  |
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| TEMPLATE        |  |
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| NO.             |  |

ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=1.9 CU YD  
C=2.0 CU YD  
T=416.9 SQ FT

F=0.3 CU YD  
C=0.4 CU YD  
T=80.3 SQ FT

F=0 CU YD  
C=0.2 CU YD  
T=12.6 SQ FT



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| ORIGINAL SURVEY NO. |  |
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| NOTE BOOK           |  |
| AREAS CHECKED       |  |

FILE NAME = D468A26-sht-xxshL.dgn

USER NAME = keathbr  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

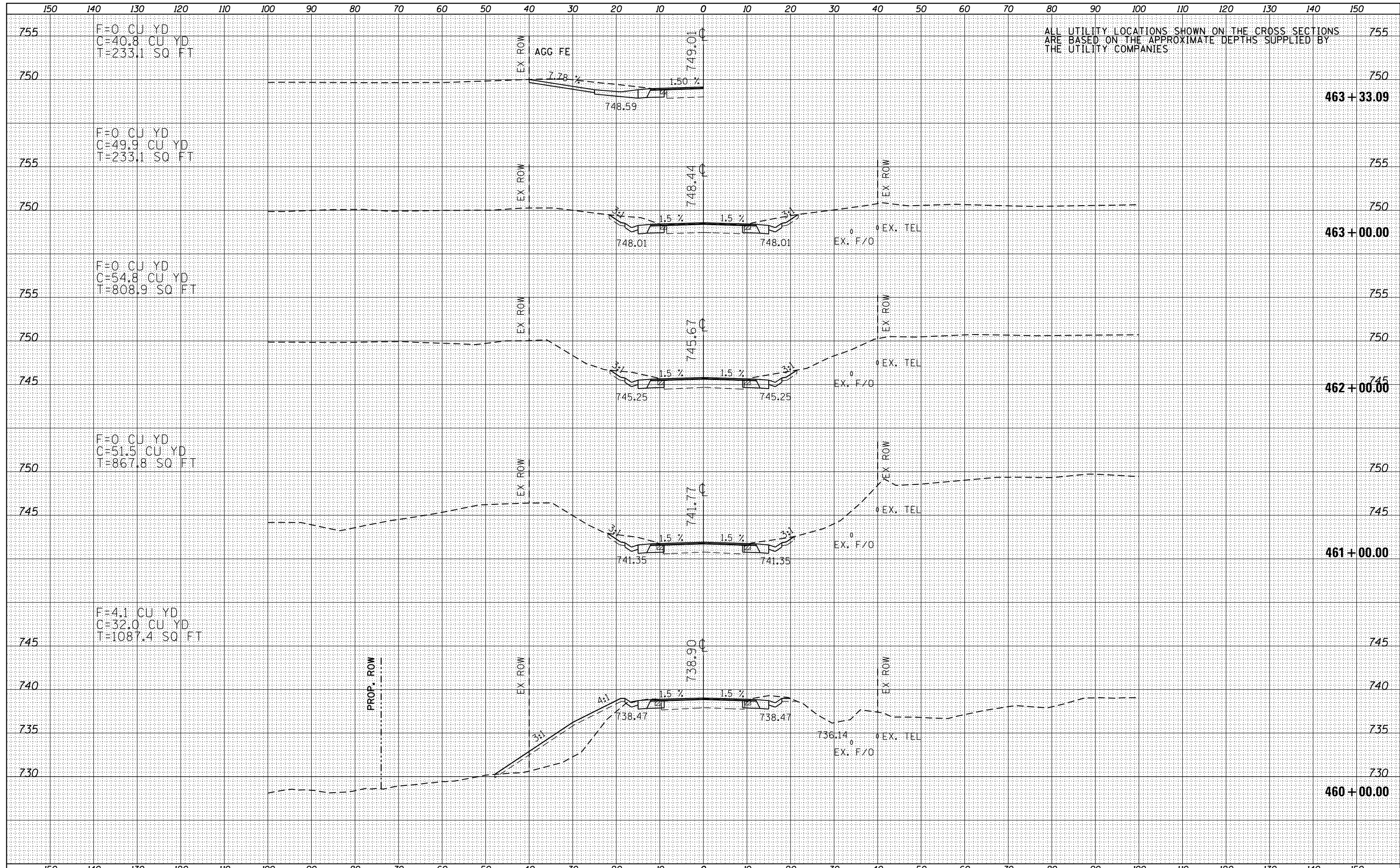
IL 116 CROSS SECTIONS

SCALE: 1"=20'H,10"V SHEET 58 OF 127 SHEETS STA. 459+50.00 TO STA. 459+68.43

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255                       | 186       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |

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| DATE     |  |
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

FILE NAME =  
D468A26-sht-xxsh.tdgn

USER NAME = keathbr  
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

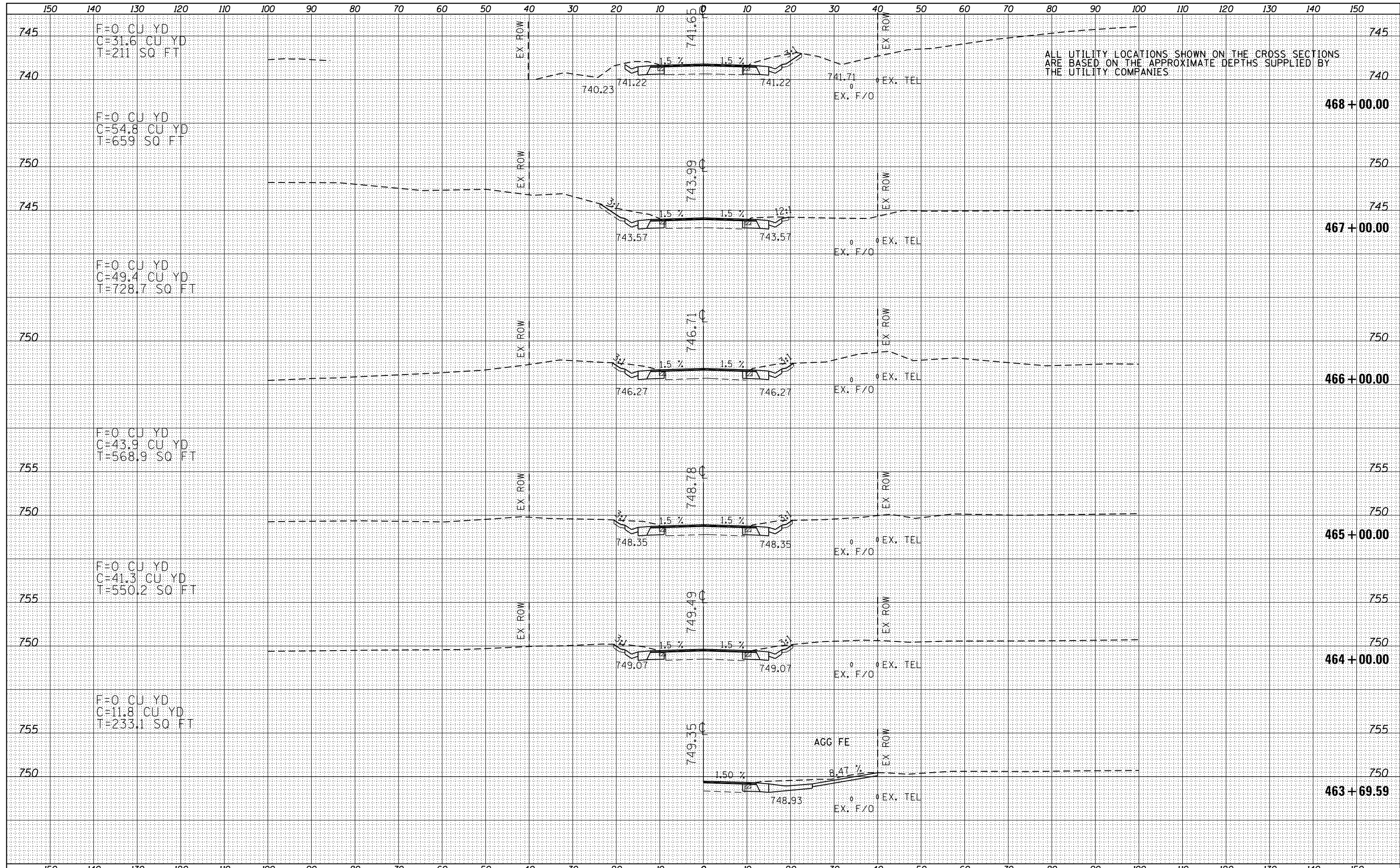
IL 116 CROSS SECTIONS

SCALE: 1"=20'H,10'V SHEET 59 OF 127 SHEETS STA. 460+00.00 TO STA. 463+33.09

| F.A.P. RTE.        | SECTION                        | COUNTY           | TOTAL SHEETS              | SHEET NO. |
|--------------------|--------------------------------|------------------|---------------------------|-----------|
| 665                | 137W-2,RS-4+138W-3,RS-4+139W-3 | HENDERSON WARREN | 255                       | 187       |
| CONTRACT NO. 68A26 |                                |                  | ILLINOIS FED. AID PROJECT |           |

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| DATE            |  |
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| AREAS CHECKED   |  |
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ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=2.4 CU YD  
C=1.2 CU YD  
T=231.2 SQ FT

F=9.5 CU YD  
C=1.1 CU YD  
T=293 SQ FT

F=5.6 CU YD  
C=1.3 CU YD  
T=130.7 SQ FT

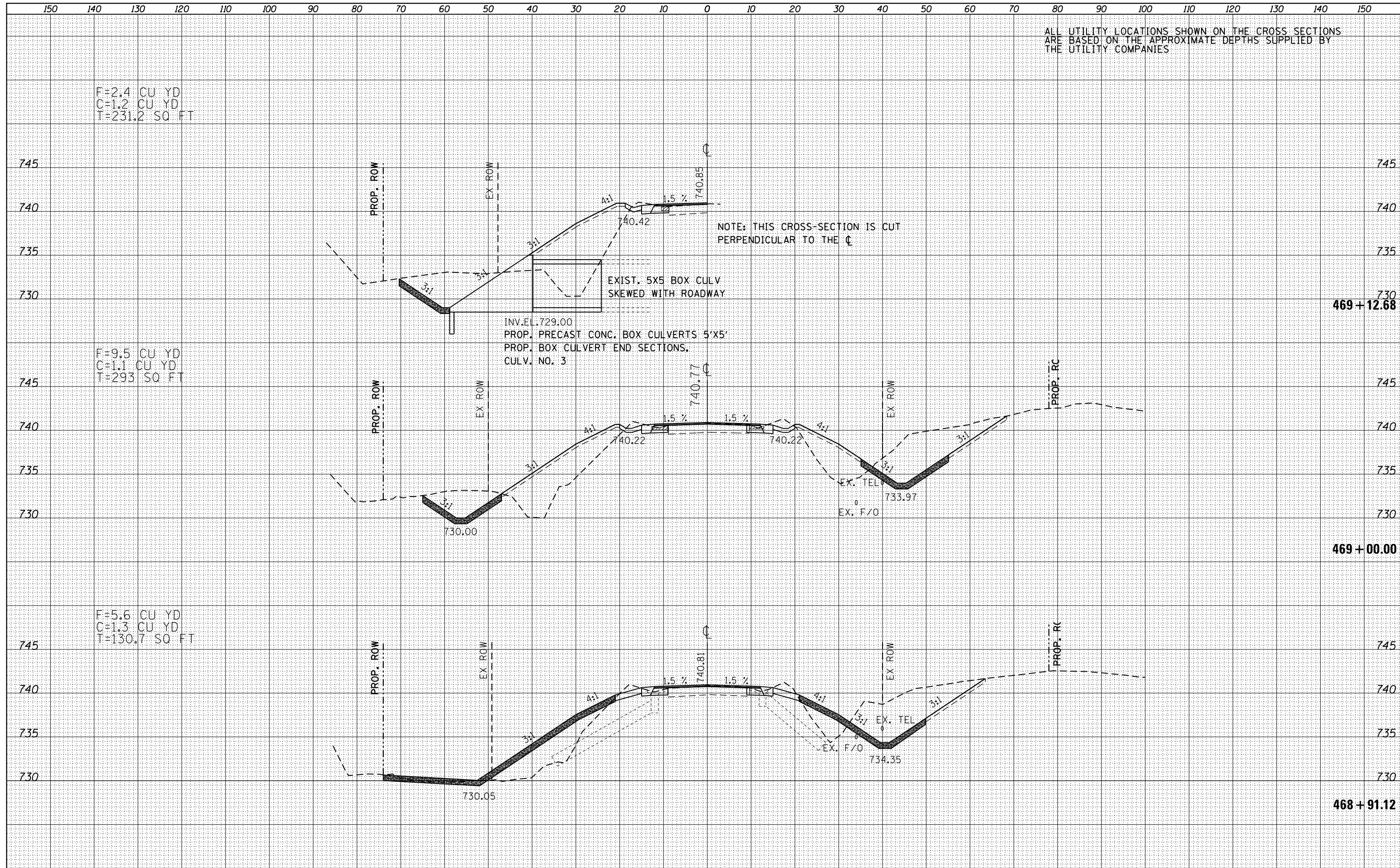
NOTE: THIS CROSS-SECTION IS CUT PERPENDICULAR TO THE  $\zeta$

EXIST. 5X5 BOX CULV. SKEWED WITH ROADWAY

INV. EL. 729.00  
PROP. PRECAST CONC. BOX CULVERTS 5'X5'  
PROP. BOX CULVERT END SECTIONS.  
CULV. NO. 3

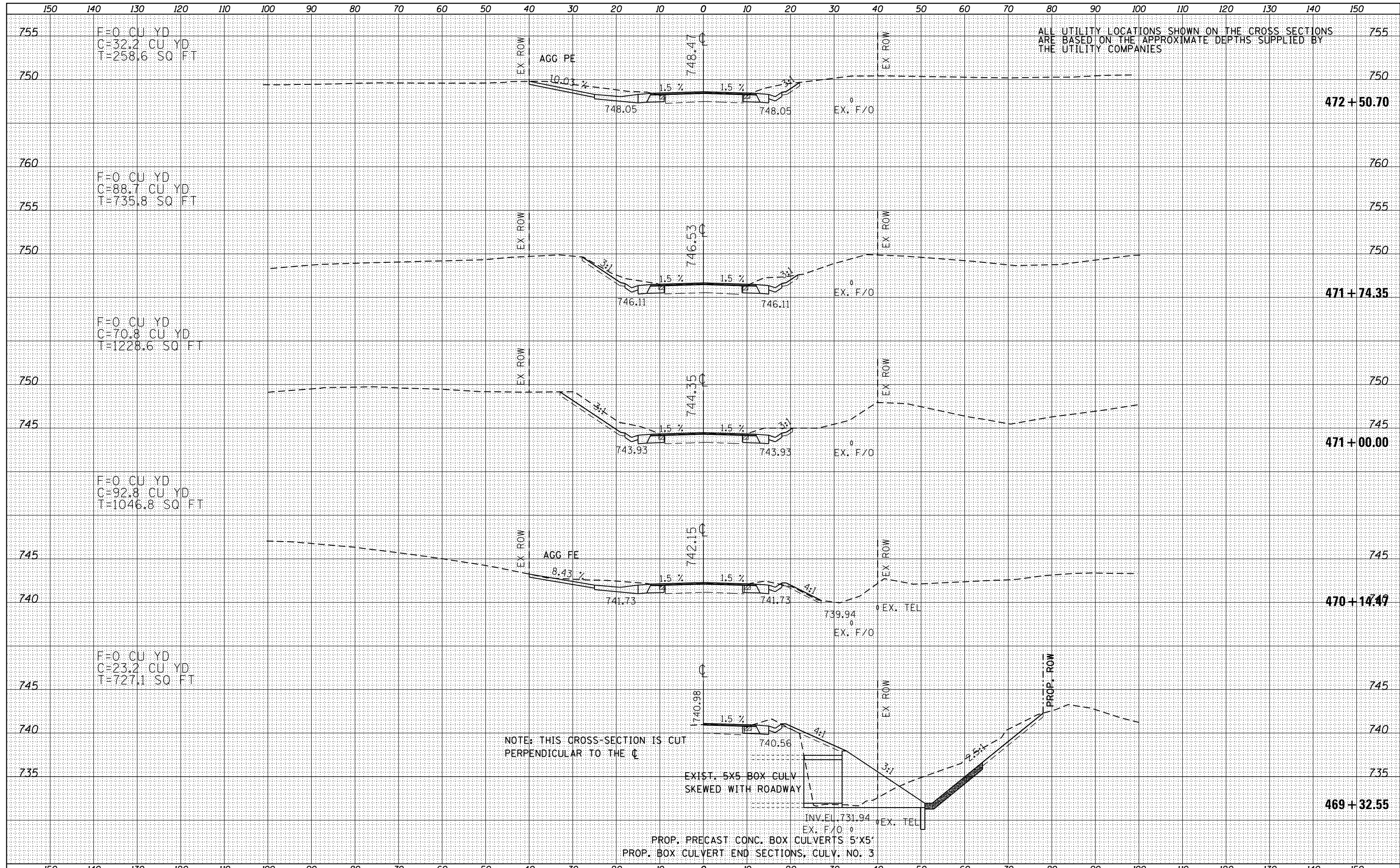
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| ORIGINAL SURVEY |  |
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| TEMPLATE        |  |
| AREAS           |  |
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| ORIGINAL SURVEY |  |
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| NOTE BOOK        |  |
| AREAS CHECKED    |  |
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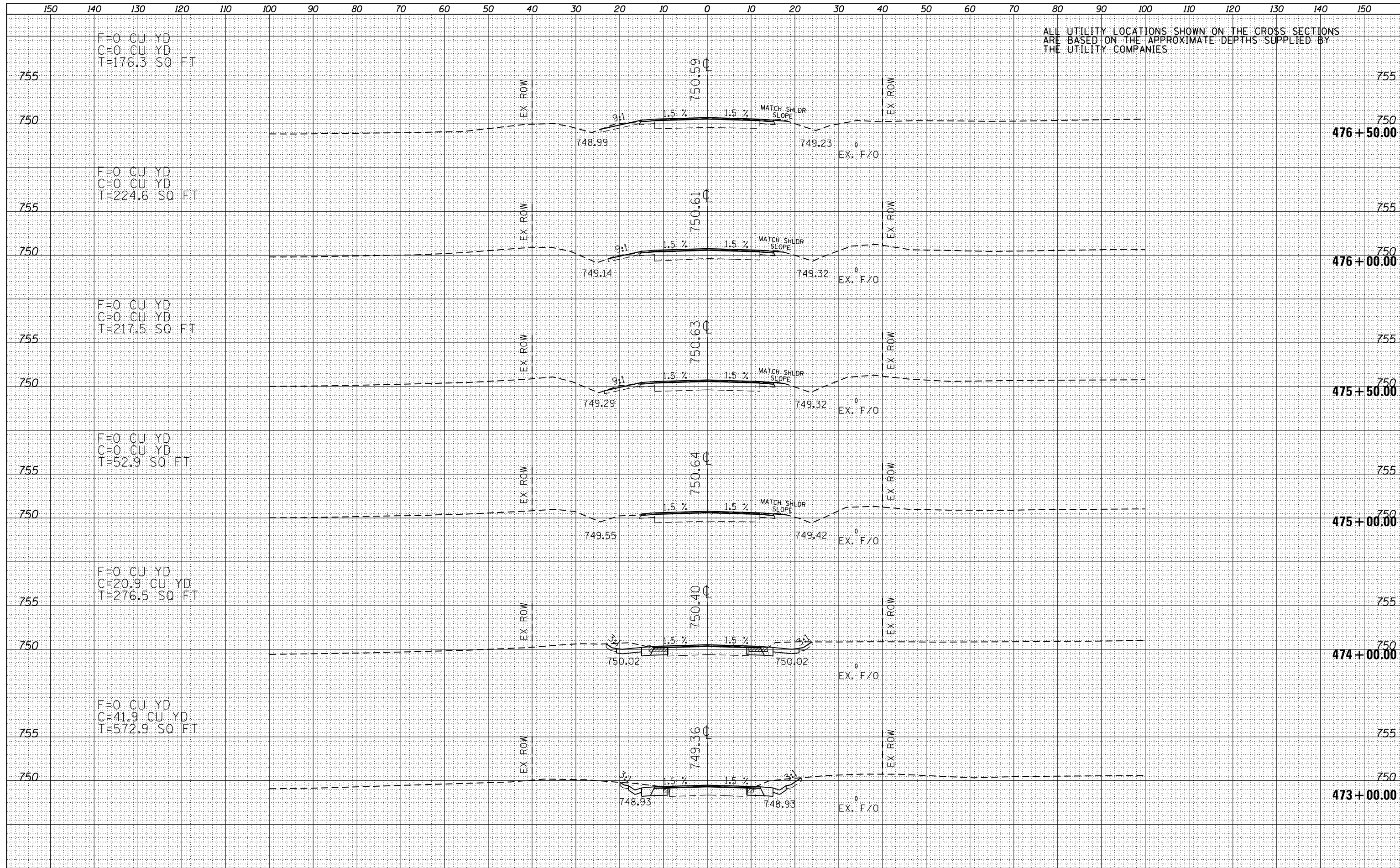
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| ORIGINAL SURVEY  |  |
| PLOTTED TEMPLATE |  |
| NOTE BOOK        |  |
| AREAS CHECKED    |  |
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| FINISHED SURVEY |  |
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| NOTE BOOK       |  |
| AREAS CHECKED   |  |
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| DATE            |  |
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| ORIGINAL SURVEY |  |
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| AREAS CHECKED   |  |
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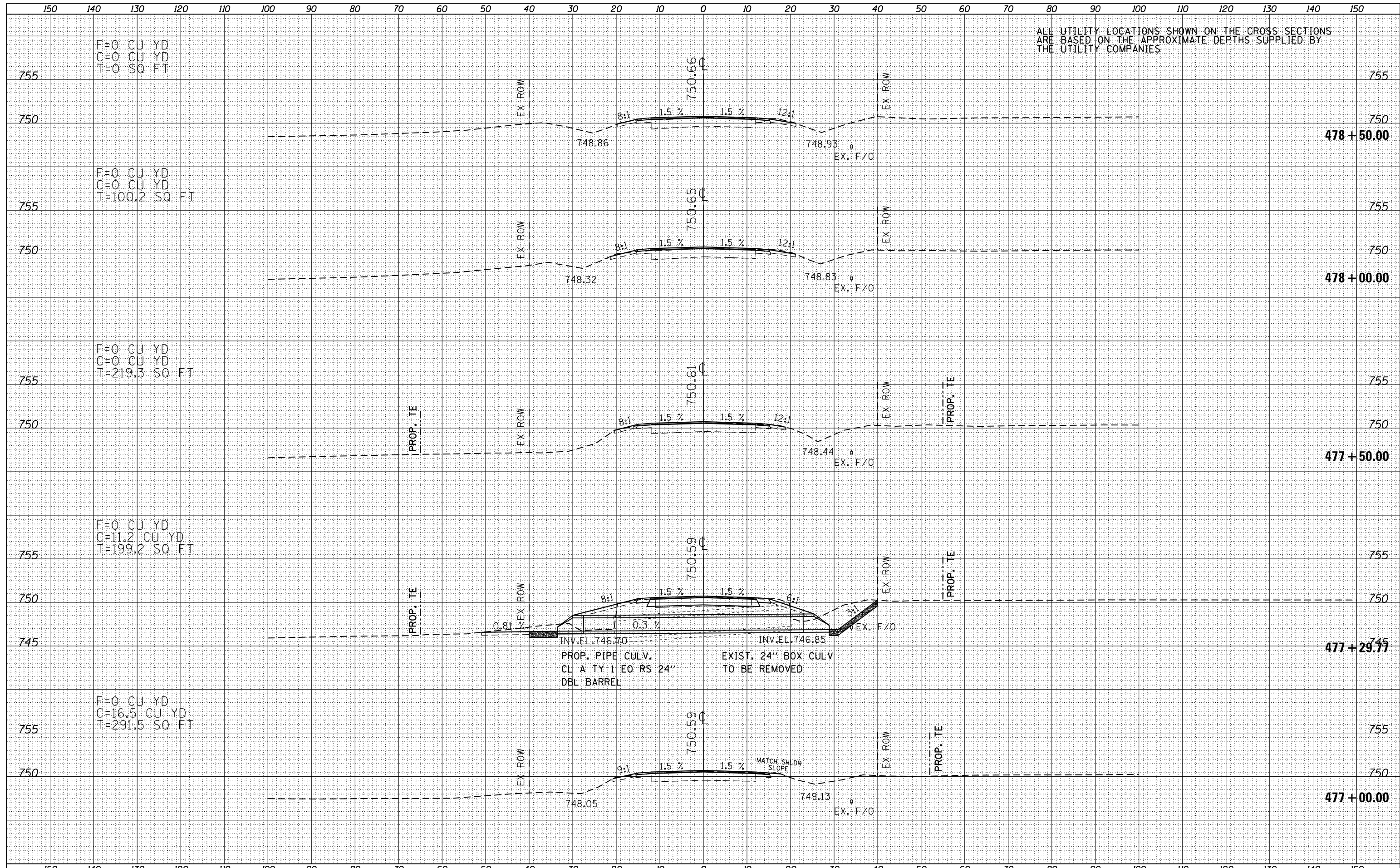
ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES



ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS  
ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY  
THE UTILITY COMPANIES

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| DATE            |  |
| BY              |  |
| ORIGINAL SURVEY |  |
| SURVEYED        |  |
| PLOTTED         |  |
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| CHECKED         |  |
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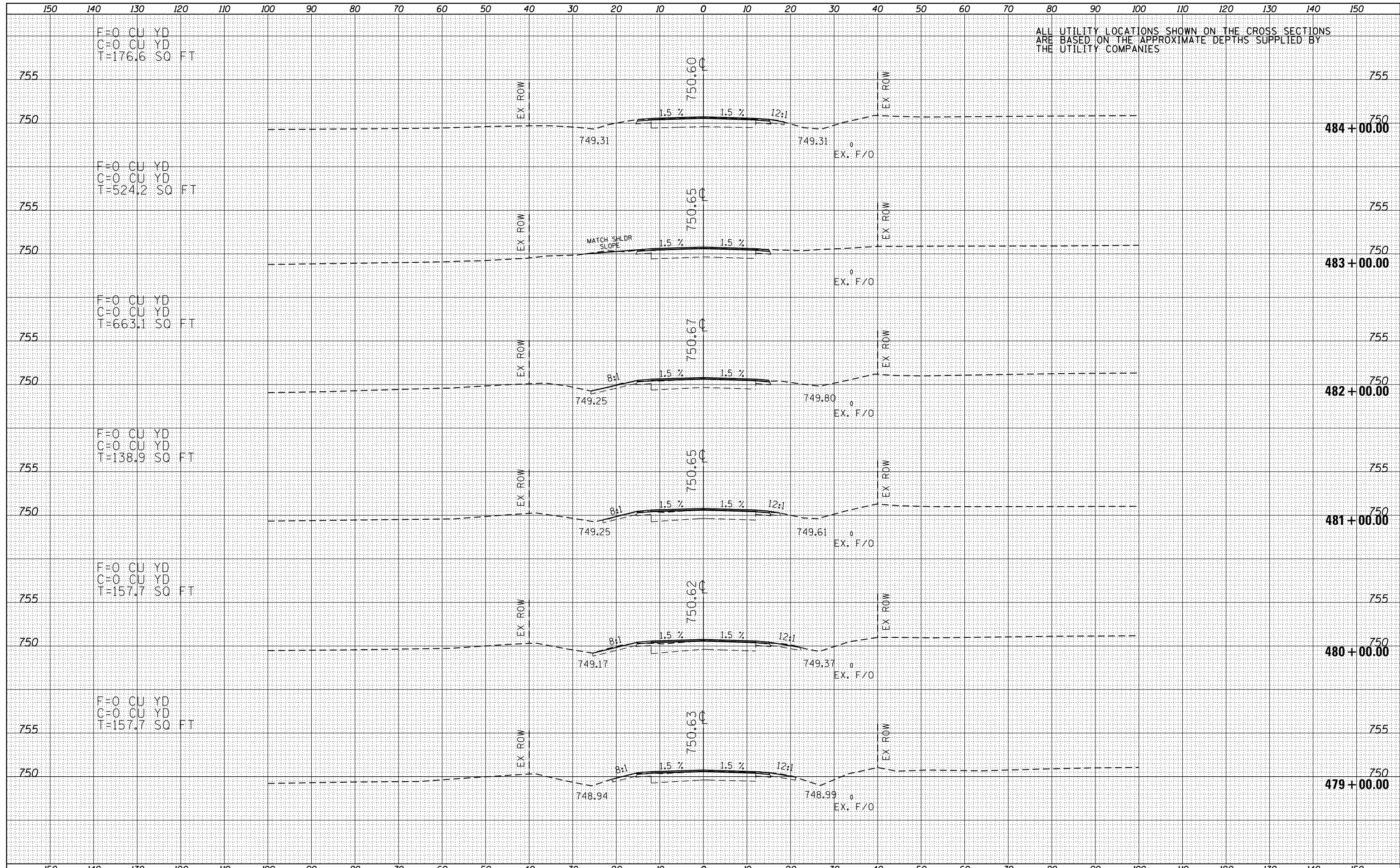
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| ORIGINAL SURVEY |  |
| SURVEYED        |  |
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| FILE NAME =           | USER NAME = keathbr | DESIGNED - | REVISED - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 116 CROSS SECTIONS</b><br>SCALE: 1"=20'H,10'V SHEET 64 OF 127 SHEETS STA. 477+00.00 TO STA. 478+50.00  |
| D468A26-sht-xssh.tdgn |                     | DRAWN -    | REVISED - |   |  |
| Default               |                     | CHECKED -  | REVISED - |   |  |
|                       |                     | DATE -     | REVISED - |   |  |
|                       |                     |            |           |   | F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.<br>665 137W-2,RS-4+138W-3,RS-4+139W-3 HENDERSON WARREN 255 192<br>CONTRACT NO. 68A26<br>ILLINOIS FED. AID PROJECT |

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| DATE         |  |
| BY           |  |
| FINAL SURVEY |  |
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| ORIGINAL SURVEY |  |
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| NOTE BOOK       |  |
| AREAS           |  |
| CHECKED         |  |
| NO.             |  |



|                                   |                     |            |          |   |   |
|-----------------------------------|---------------------|------------|----------|---|---|
| FILE NAME = D468A26-sht-xxshL.dgn | USER NAME = keathbr | DESIGNED - | REVISD - | <b>STATE OF ILLINOIS</b><br><b>DEPARTMENT OF TRANSPORTATION</b> | <b>IL 116 CROSS SECTIONS</b><br>SCALE: 1"=20'H,10'V SHEET 65 OF 127 SHEETS STA. 479+00.00 TO STA. 484+00.00   |
|                                   |                     | DRAWN -    | REVISD - |   |   |
|                                   |                     | CHECKED -  | REVISD - |   |   |
|                                   |                     | DATE -     | REVISD - |   |   |
|                                   |                     |            |          |   | F.A.P. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.<br>665 137W-2,RS-4+138W-3,RS-4+139W-3 HENDERSON WARREN 255 193<br>CONTRACT NO. 68A26<br>ILLINOIS FED. AID PROJECT |

ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTHS SUPPLIED BY THE UTILITY COMPANIES

F=0 CU YD  
C=14.1 CU YD  
T=249.3 SQ FT

F=0 CU YD  
C=0 CU YD  
T=145.8 SQ FT

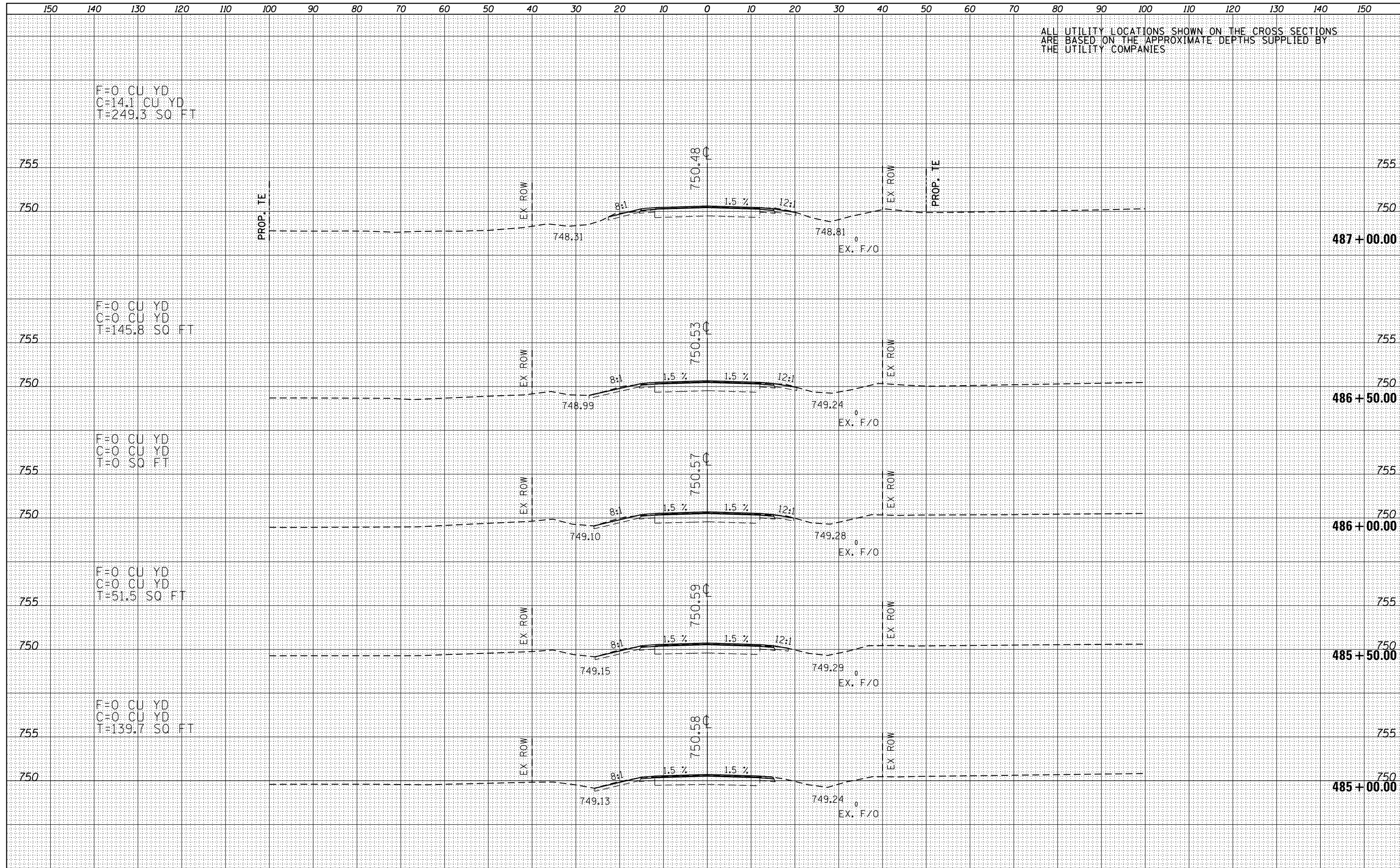
F=0 CU YD  
C=0 CU YD  
T=0 SQ FT

F=0 CU YD  
C=0 CU YD  
T=51.5 SQ FT

F=0 CU YD  
C=0 CU YD  
T=139.7 SQ FT

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| DATE            |  |
| BY              |  |
| NO.             |  |
| ORIGINAL SURVEY |  |
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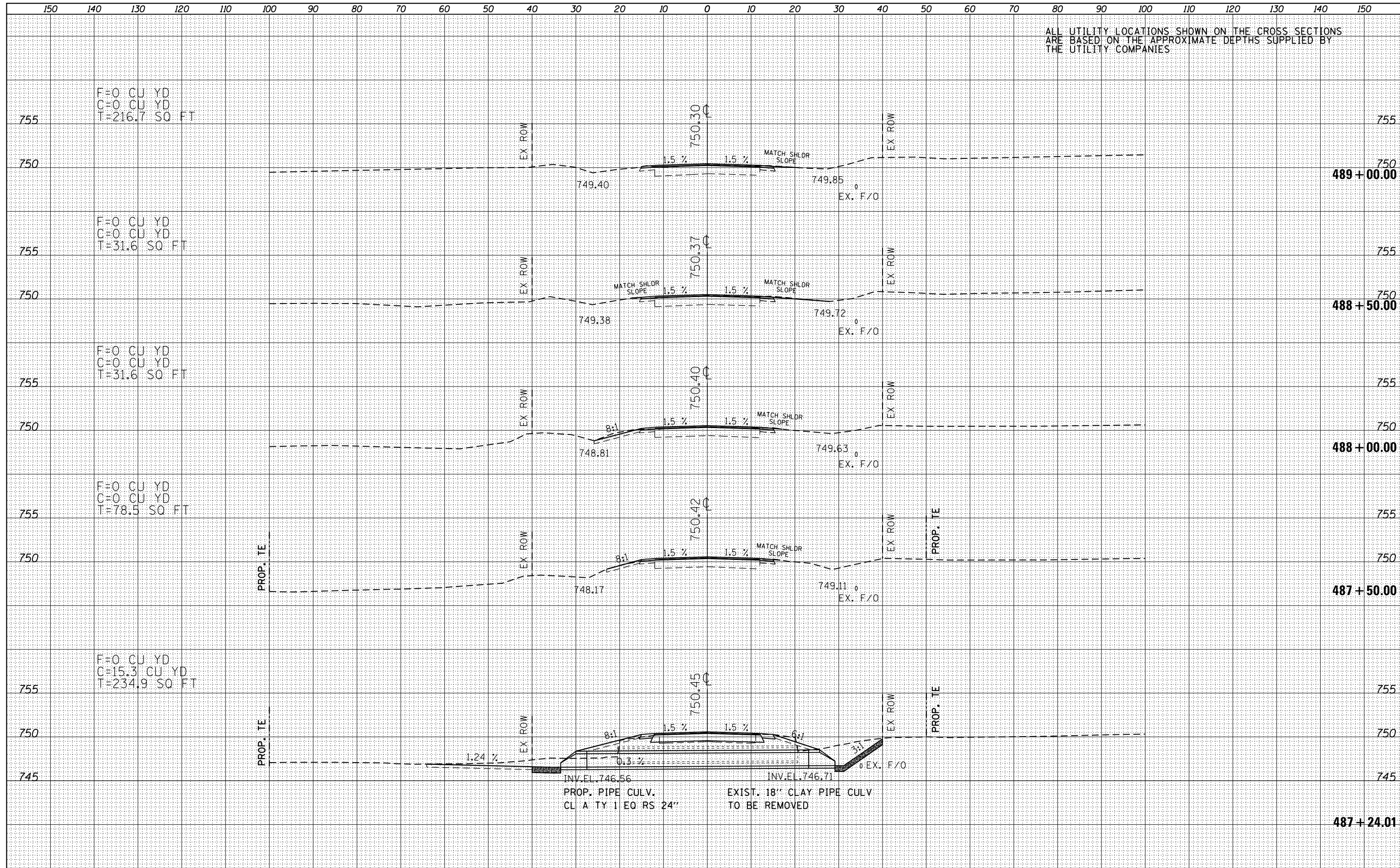
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| DATE            |  |
| BY              |  |
| NO.             |  |
| ORIGINAL SURVEY |  |
| SURVEYED        |  |
| PLOTTED         |  |
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| DATE          |  |
| BY            |  |
| FINAL SURVEY  |  |
| PLOTTED       |  |
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| NOTE BOOK     |  |
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| NOTE BOOK       |  |
| AREAS CHECKED   |  |
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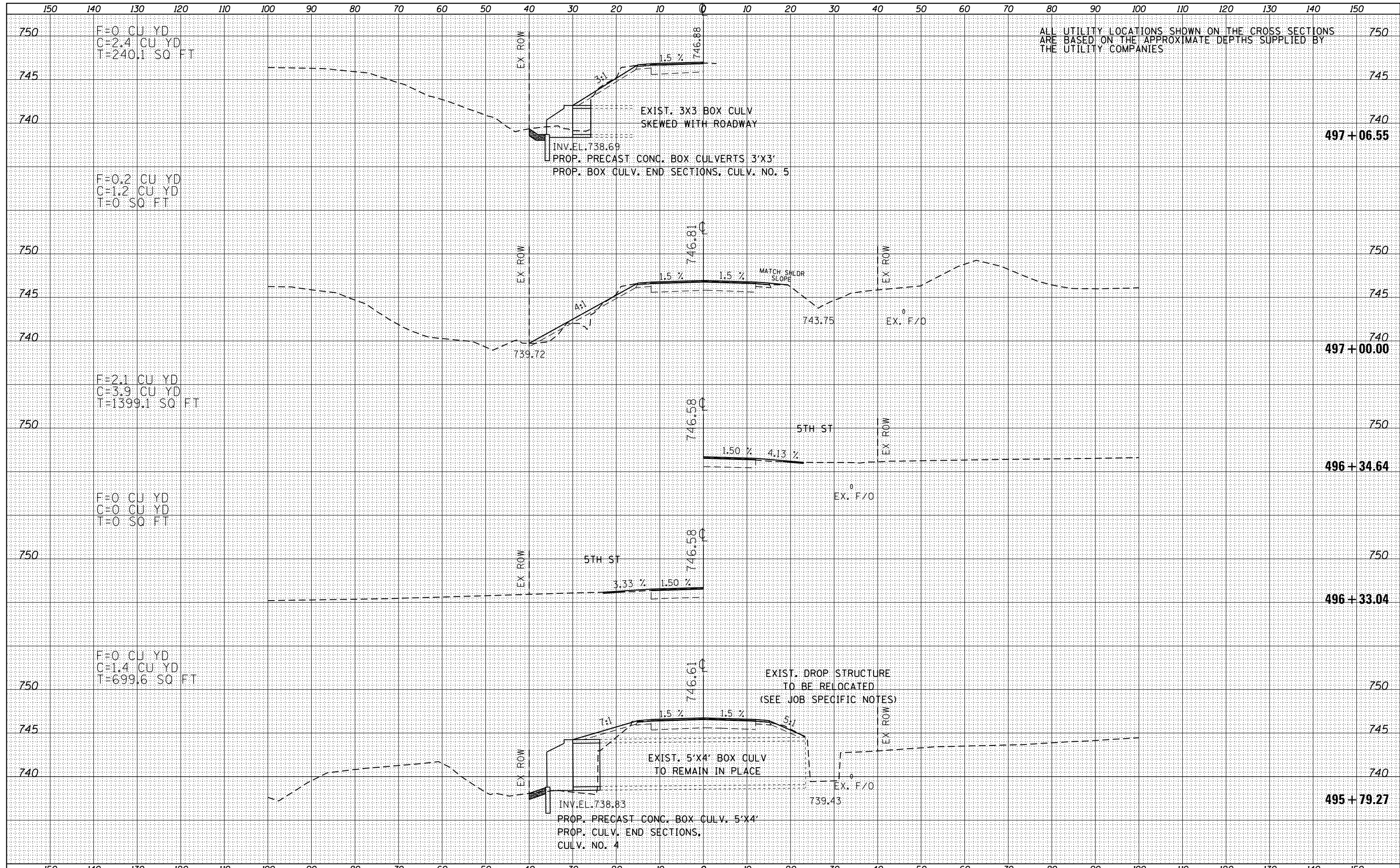






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| PLOTTED         |  |
| TEMPLATE        |  |
| AREAS           |  |
| CHECKED         |  |
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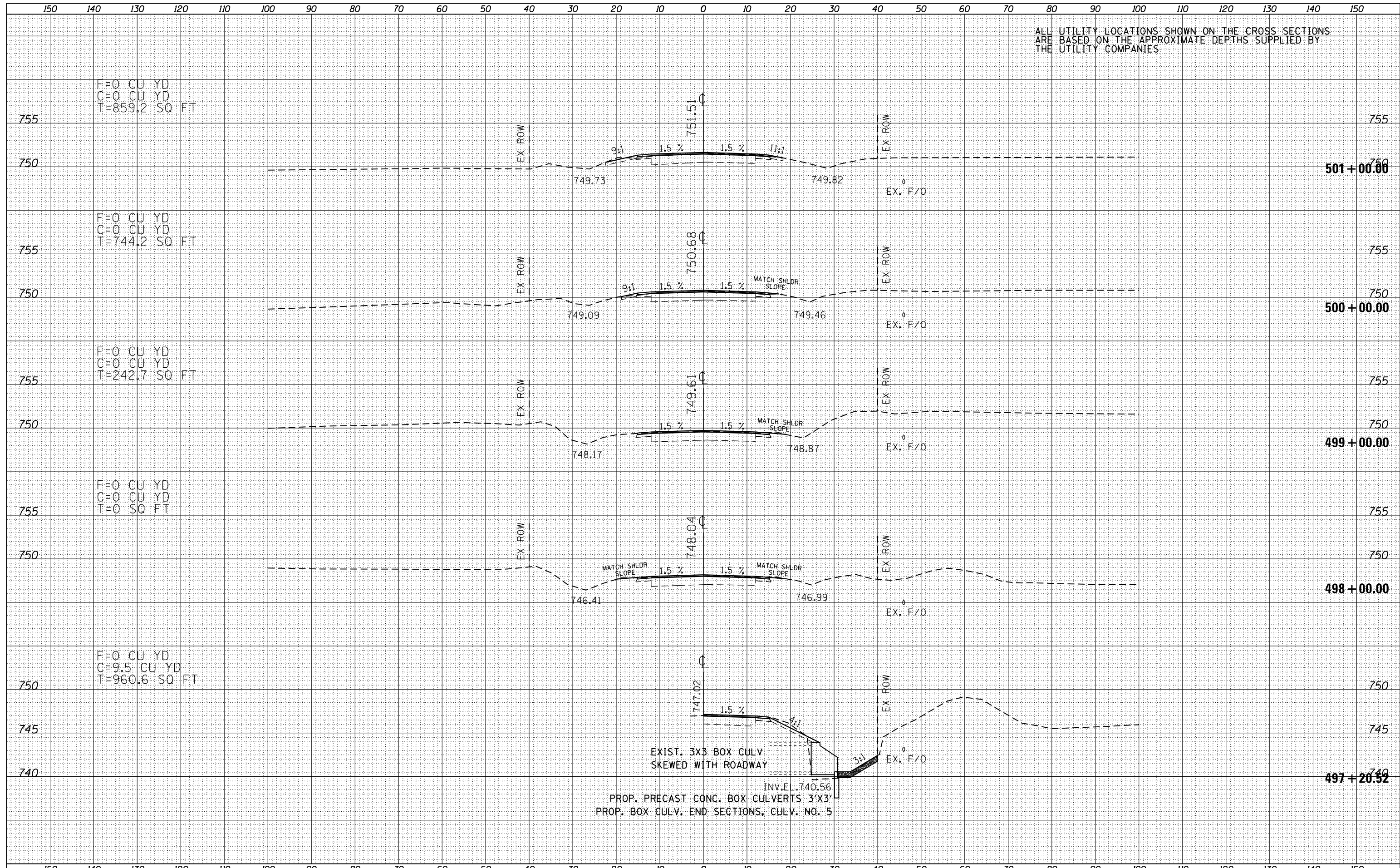
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| ORIGINAL SURVEY |  |
| PLOTTED         |  |
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| AREAS           |  |
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| FINAL SURVEY |  |
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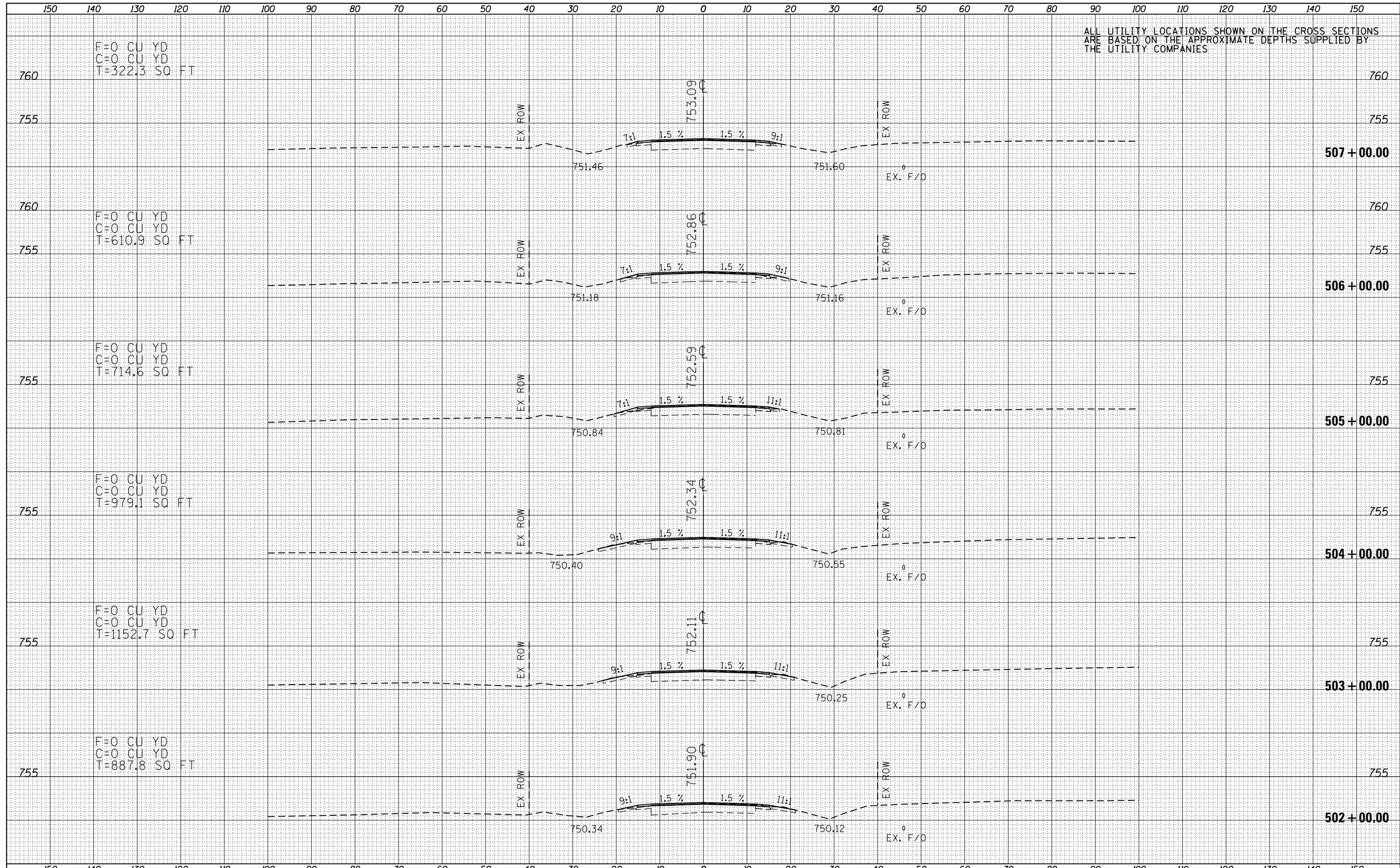
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| ORIGINAL SURVEY |  |
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| ORIGINAL SURVEY | SURVEYED |
| NOTE BOOK       | PLOTTED  |
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