

**State of Illinois**  
**Department of Natural Resources**  
**Office of Mines and Minerals**  
**Division of Abandoned Mined Lands**

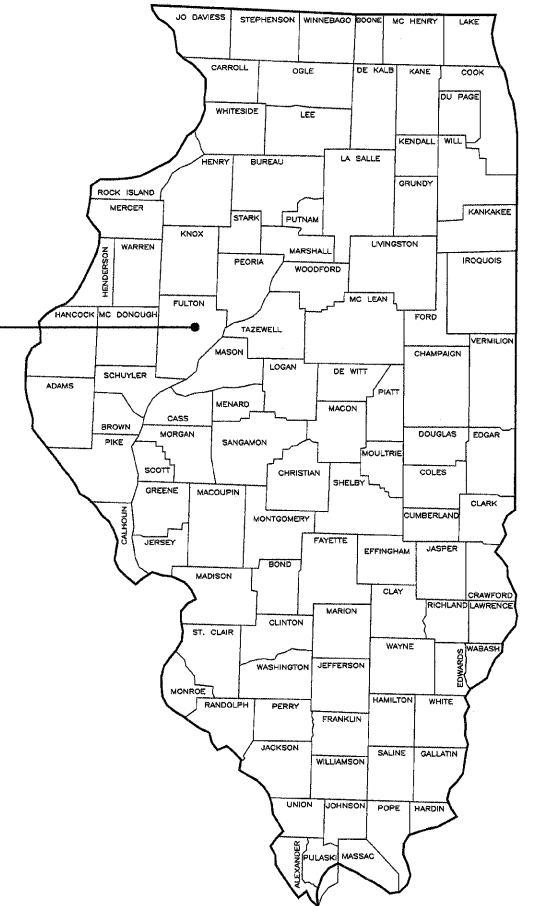
Funded by the  
 United States Department of Interior  
 Federal Office of Surface Mining

**Gale Road Embankments Group**  
**Reclamation Project**  
**AML-GFuE-0604**  
**Fulton County**  
**2LR**

**SCHEDULE OF DRAWINGS:**

1. Cover Sheet
  2. Summary of Quantities/Construction Notes/General Notes
  3. Location Map
  4. Existing & Proposed Conditions - Shields Chapel Rd. Embankment
  5. Existing & Proposed Conditions - Taylor Rd. Embankment
  - 6-7. Existing & Proposed Conditions - McKinley Rd. Embankments
  8. Existing & Proposed Conditions - Conservation Rd. Highwall
  9. Existing & Proposed Conditions - Gale Rd. Embankments (West Side)
  10. Existing & Proposed Conditions - Gale Rd. Embankments (East Side)
  - 11-17. Cross Sections - Conservation Rd. Highwall
  - 18-22. Cross Sections - Gale Rd. Embankments (West Side)
  - 23-28. Cross Sections - Gale Rd. Embankments (East Side)
- |                           |                      |
|---------------------------|----------------------|
| IDOT Standard B.L.R. 26   | IDOT Standard 701001 |
| IDOT Standard B.L.R. 23-2 | IDOT Standard 701006 |
| IDOT Standard 635006-02   | IDOT Standard 701011 |
| IDOT Standard 635011-01   | IDOT Standard 701101 |
| IDOT Standard 665001-01   | IDOT Standard 701201 |
|                           | IDOT Standard 701206 |

Gale Road Embankment Group  
 Fulton County




Prepared By IDNR Staff

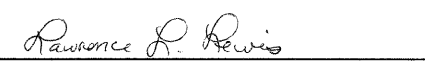
Approved for Bidding:

  
 Joseph R. Angleton, Director  
 Office of Mines and Minerals

Approved By:

  
 Greg Pinto, Interim Manager  
 AML Division

Approved By:

  
 Lawrence L. Lewis, P.E.  
 IL Licensed Professional Engineer  
 No. 0062-038880



### Summary of Quantities

| #  | Item  | Section  | Quantities          |            |              |                  |          | Totals | Unit   | Rates/Remarks                    |
|----|---|----------|---------------------|------------|--------------|------------------|----------|--------|--------|----------------------------------|
|    |   |          | Shield's Chapel Rd. | Taylor Rd. | McKinley Rd. | Conservation Rd. | Gale Rd. |        |        |                                  |
| 1  | Special Clearing                                | 201      | 0.1                 | 0.1        | 0.1          | 0.3              | 0.4      | 1      | L.S.   |                                  |
| 2  | Earth Excavation                                | 202      | 30                  | -          | -            | 4,759            | 23,193   | 27,982 | C.Y.   | Compaction Required Per S.P. 205 |
| 3  | Seeding   | 250      | 0.2                 | -          | -            | 2.1              | 6.5      | 8.8    | Acre   | Aug. 15 - Sept. 15, 2008         |
| 4  | Nitrogen Fertilizer Nutrient                    | 250      | 24                  | -          | -            | 252              | 780      | 1,056  | Pound  | 120 Lbs./Acre                    |
| 5  | Phosphorous Fertilizer Nutrient                 | 250      | 40                  | -          | -            | 420              | 1,300    | 1,760  | Pound  | 200 Lbs/Acre                     |
| 6  | Potassium Fertilizer Nutrient                   | 250      | 60                  | -          | -            | 630              | 1,950    | 2,640  | Pound  | 300 Lbs/Acre                     |
| 7  | Agricultural Ground Limestone                   | 250      | 1                   | -          | -            | 4                | 13       | 18     | Ton    | 2 Tons/Acre                      |
| 8  | Mulch, Method 2, Procedure 1                    | IDOT 251 | 0.2                 | -          | -            | 1.6              | 5.3      | 7.1    | Acre   | 2 Tons/Acre                      |
| 9  | Erosion Control Blanket                         | IDOT 251 | 109                 | -          | -            | 2,417            | 6,031    | 8,557  | S.Y.   |                                  |
| 10 | Stone Riprap A-3                                | IDOT 281 | 61                  | -          | 255          | -                | -        | 316    | S.Y.   |                                  |
| 11 | Stone Riprap C-4                                | IDOT 281 | -                   | -          | -            | 3,486            | 5,809    | 9,295  | Ton    |                                  |
| 12 | Stone Riprap A-1                                | IDOT 281 | -                   | -          | -            | 583              | 663      | 1,246  | Ton    |                                  |
| 13 | Filter Fabric for use with Riprap               | IDOT 282 | 61                  | -          | 255          | 1,265            | 1,427    | 3,008  | S.Y.   |                                  |
| 14 | Bituminous Materials (Cover and Seal Coat)      | IDOT 403 | -                   | -          | -            | 2,934            | -        | 2,934  | Gallon |                                  |
| 15 | Cover Coat Aggregate                            | IDOT 403 | -                   | -          | -            | 123              | -        | 123    | Ton    |                                  |
| 16 | Seal Coat Aggregate                             | IDOT 403 | -                   | -          | -            | 62               | -        | 62     | Ton    |                                  |
| 17 | Steel Plate Beam Guard Rail, Type A             | IDOT 630 | 175                 | 330        | 1,340        | 400              | 1,681    | 3,926  | Foot   |                                  |
| 18 | Traffic Barrier Terminals, Type 1               | IDOT 631 | 2                   | 2          | 10           | 2                | 12       | 28     | Each   |                                  |
| 19 | Delineators, Terminal Marker Placement, Case II | IDOT 635 | 2                   | 2          | 10           | 2                | 12       | 28     | Each   |                                  |
| 20 | Delineators, Reflector Marker, Type A           | IDOT 635 | 4                   | 7          | 27           | 8                | 34       | 80     | Each   | 50 Foot Spacing                  |
| 21 | Woven Wire Fence - 4' High                      | IDOT 665 | 226                 | -          | 145          | 690              | 1,433    | 2,494  | Foot   |                                  |
| 22 | Mobilization                                    | 671      | 0.2                 | 0.2        | 0.2          | 0.2              | 0.2      | 1      | L.S.   |                                  |
| 23 | Traffic Control and Protection Standard 701201  | IDOT 701 | 0.2                 | 0.2        | 0.2          | 0.2              | 0.2      | 1      | L.S.   |                                  |
| 24 | Traffic Control and Protection Standard 701206  | IDOT 701 | 0.2                 | 0.2        | 0.2          | 0.2              | 0.2      | 1      | L.S.   |                                  |

#### CONSTRUCTION NOTES

**BURIAL/REMOVAL OF MATERIAL**—Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special Provisions.

**TREE REMOVAL**—Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

**EROSION CONTROL**—The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures that have become silted in or damaged.

**AGRICULTURAL GROUND LIMESTONE**—Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

**MULCHING**—Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for method 2, procedure 1 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.

#### GENERAL NOTES

Unless otherwise noted on the plans, all disturbed areas within the construction limits will be amended with agricultural ground limestone, fertilizer nutrients, seeded and mulched at the required rates specified in the plans.

The contractor is responsible for visiting the site and familiarizing himself with the existing conditions and the proposed reclamation work prior to submitting a bid.

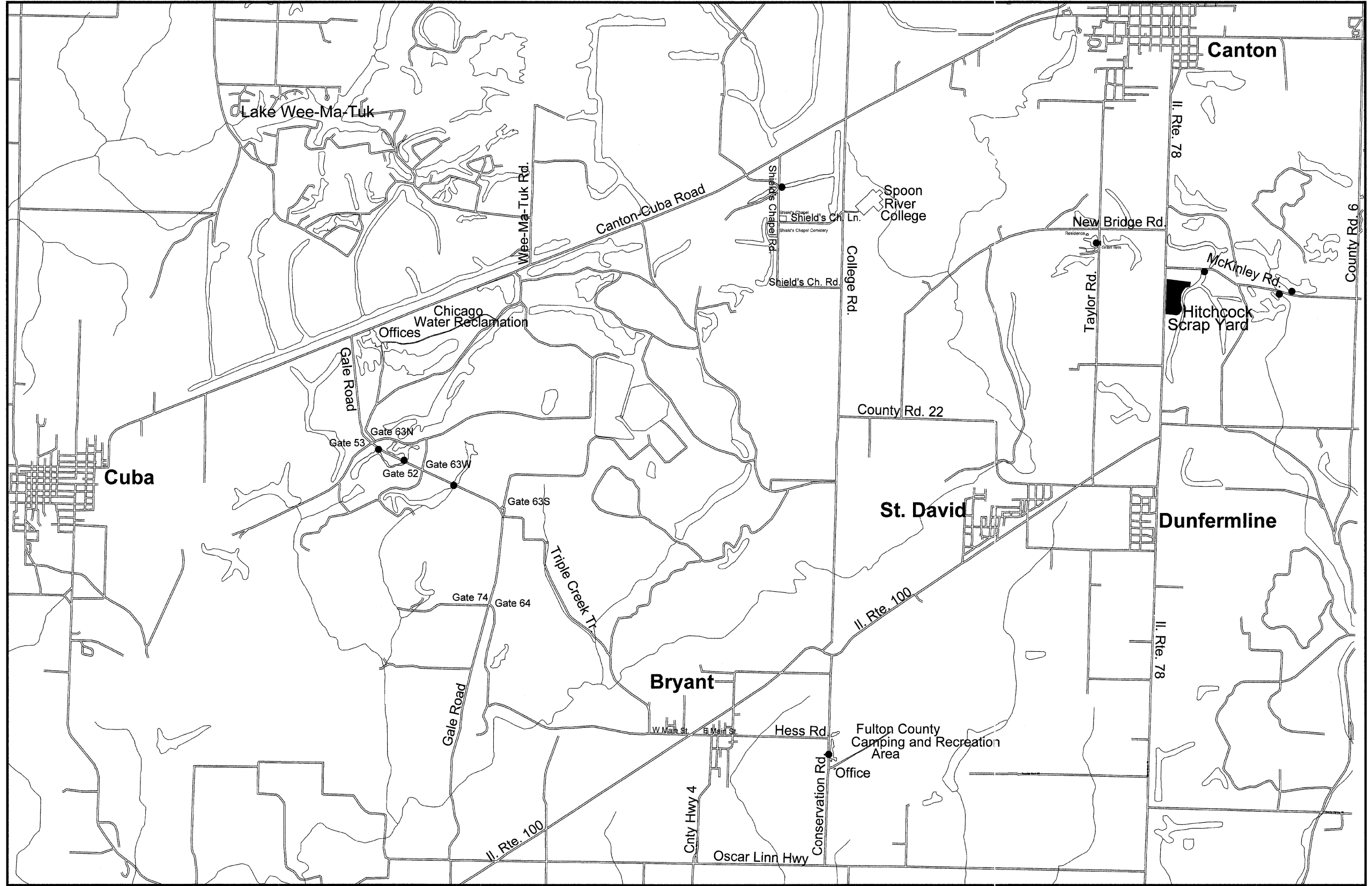
The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

The contractor is responsible for locating and protecting all existing utility lines pertaining to the work.

Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction and restored to original or better condition at the completion of work by the contractor. Access roads to the site as designated in the plans are to be maintained to the satisfaction of the engineer.

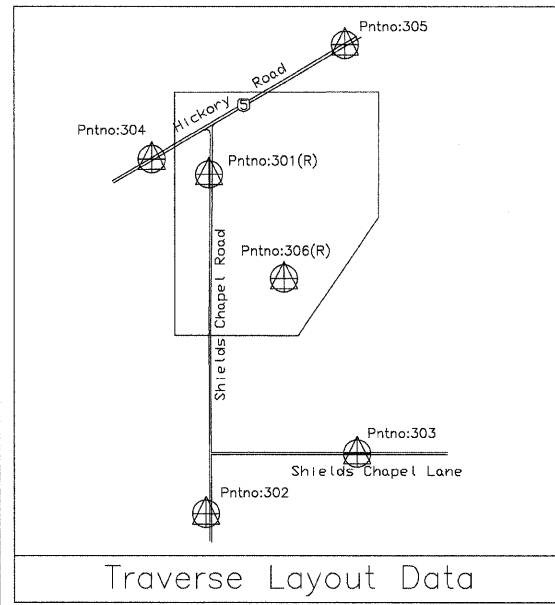
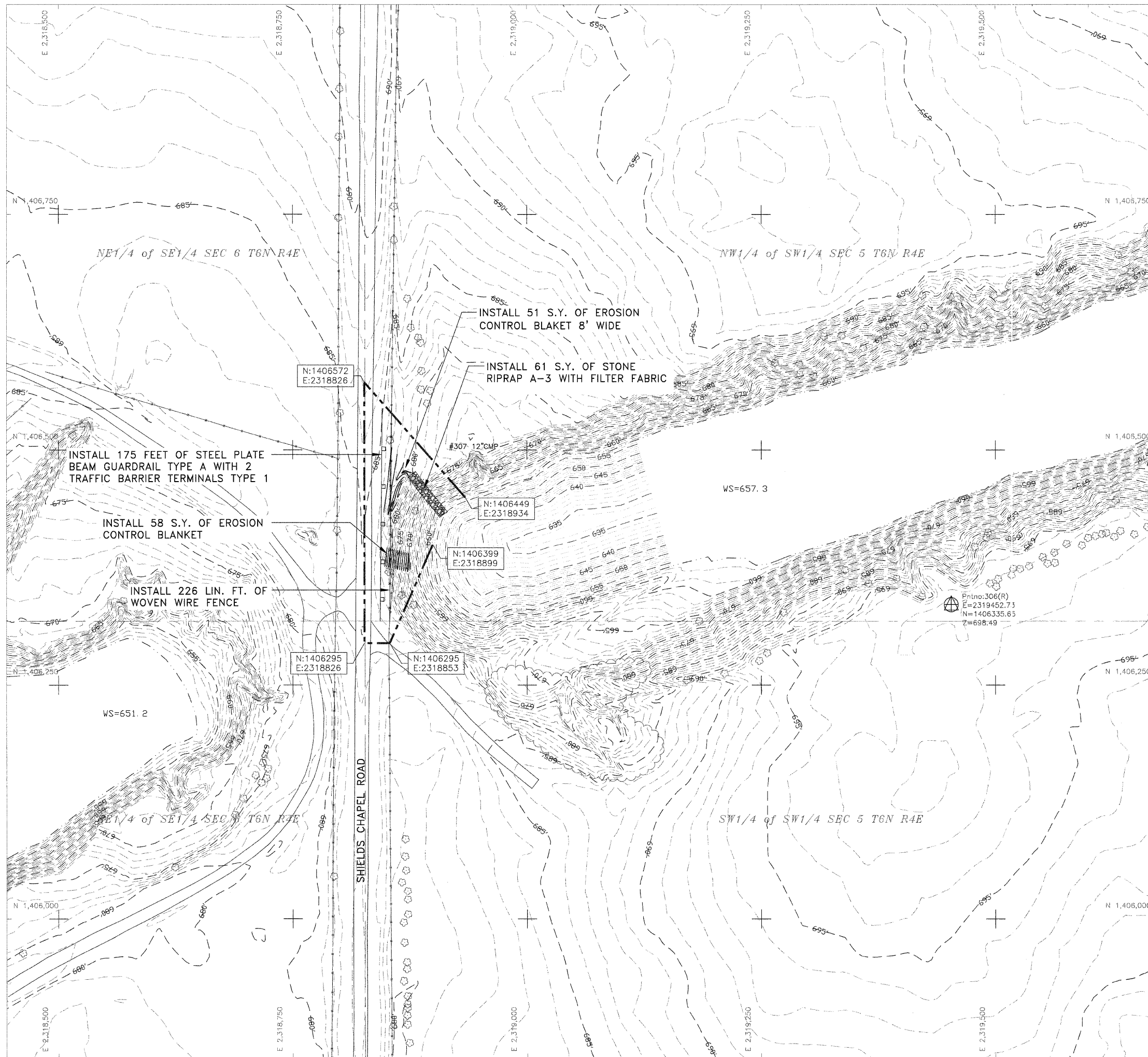
The construction limits will be staked by the contractor prior to construction. The contractor is responsible for the repair and or restitution at his own expense for all damages done to any area outside the construction limits.

Application rates specified in the plans are shown in the Summary of Quantities—Rates/Remarks column.



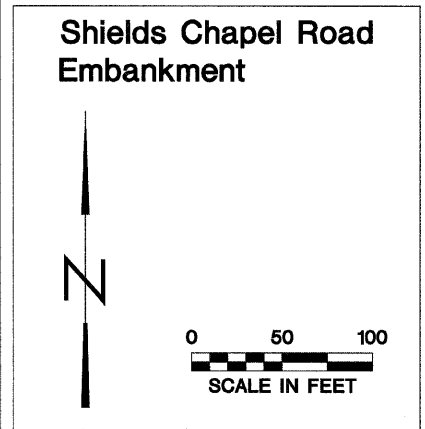
Location Map

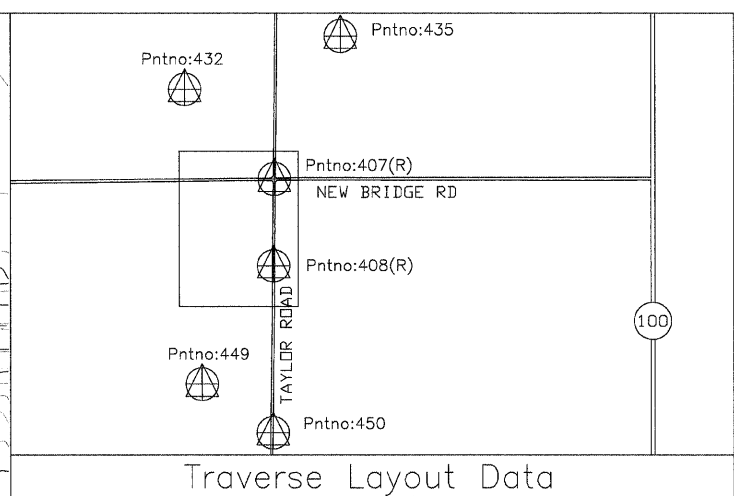
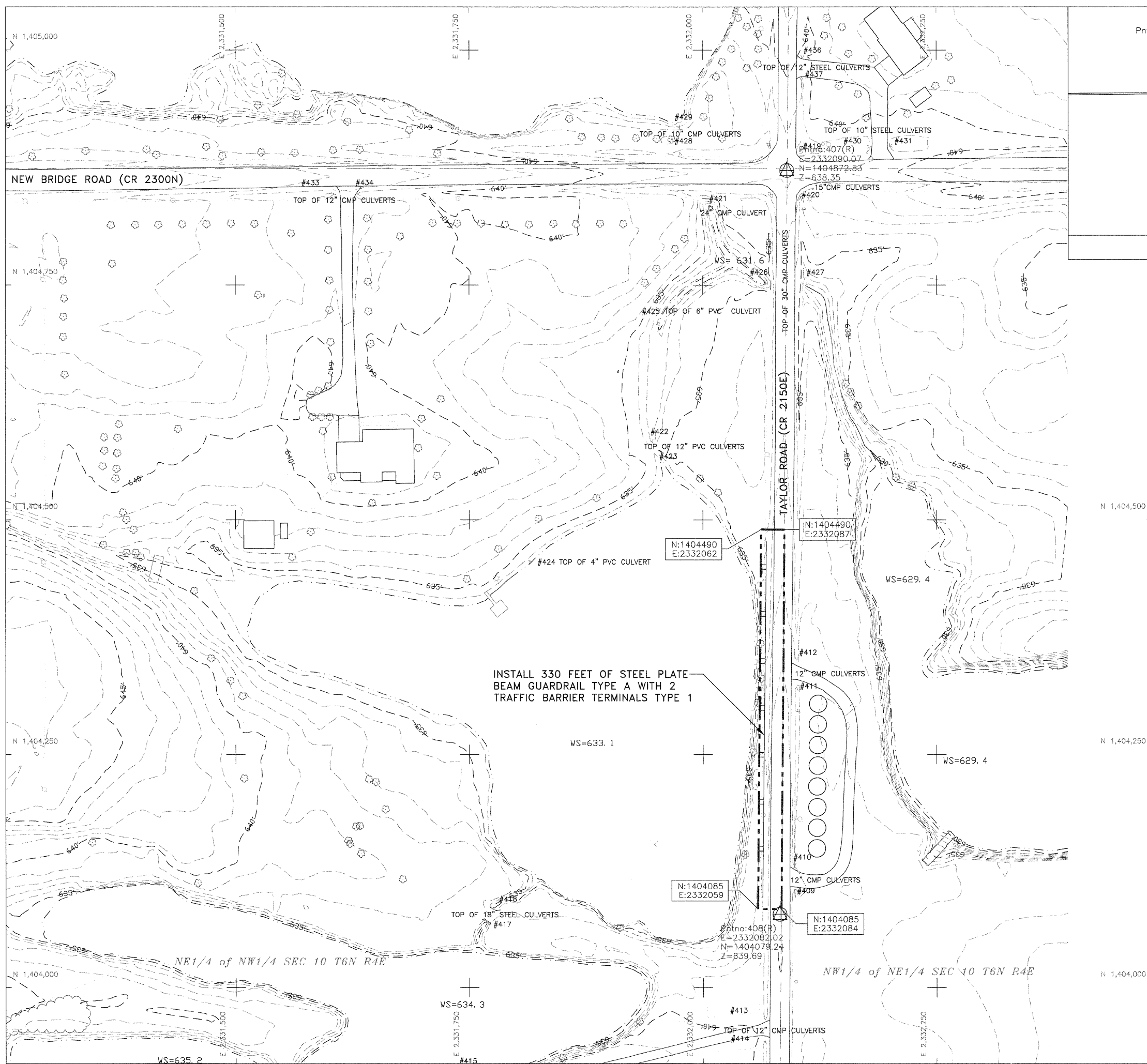




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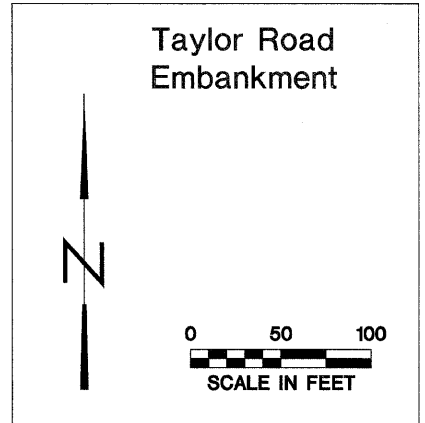
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|  | EXISTING CONTOUR        |
|  | PROPOSED CONTOUR        |
|  | PROPOSED FENCE          |
|  | PROPOSED GUARDRAIL      |
|  | EDGE OF ROAD            |
|  | TREELINE                |
|  | EDGE OF WATER           |
|  | SURVEY CONTROL POINT    |
|  | EROSION CONTROL BLANKET |



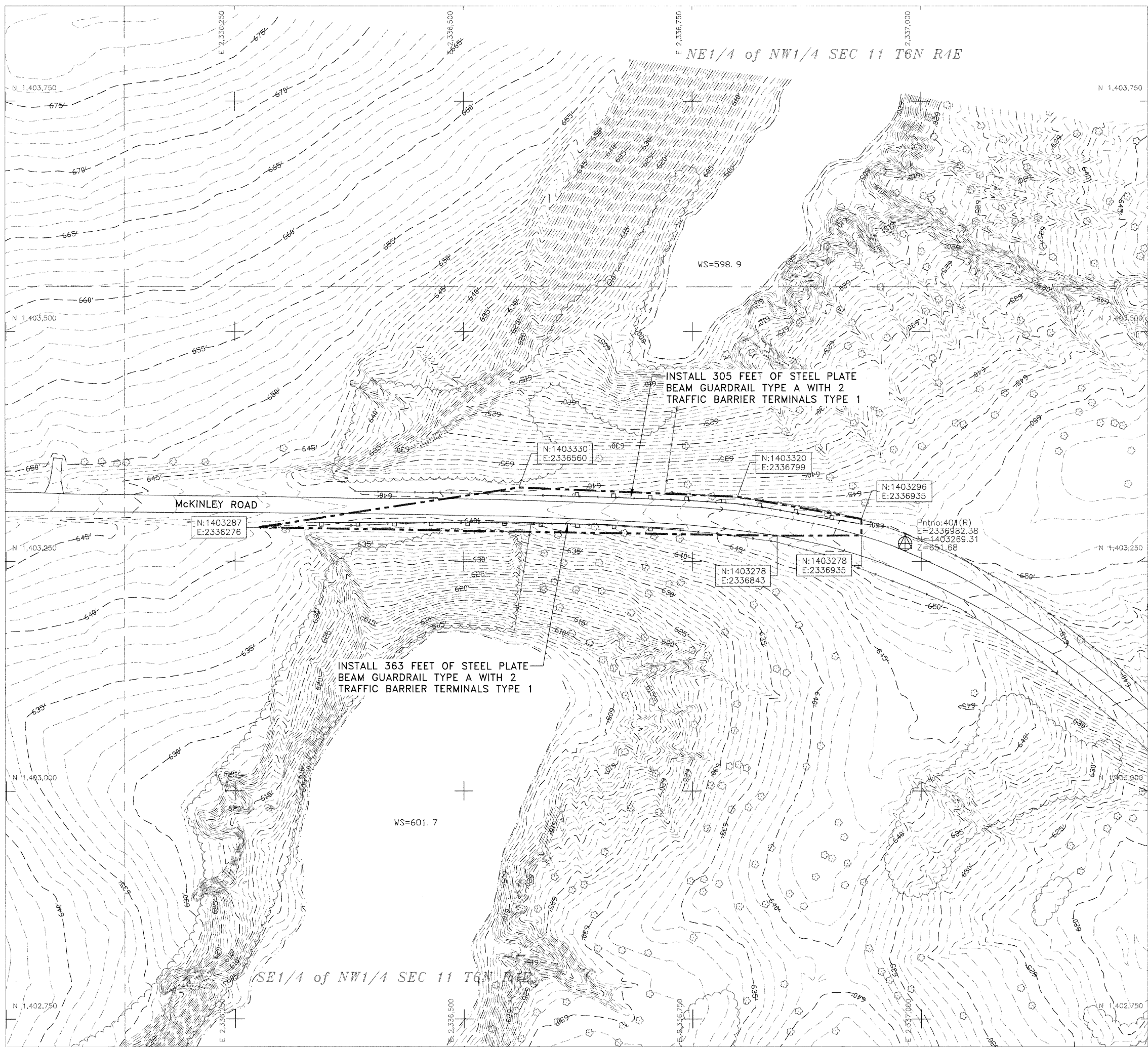


|  |                      |
|--|----------------------|
|  | EXISTING CONTOUR     |
|  | PROPOSED CONTOUR     |
|  | CONSTRUCTION LIMITS  |
|  | EDGE OF ROAD         |
|  | TREELINE             |
|  | EDGE OF WATER        |
|  | SURVEY CONTROL POINT |

Legend







NE1/4 of NW1/4 SEC 11 T6N R4E

SE1/4 of NW1/4 SEC 11 T6N R4E

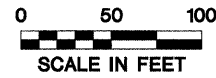
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|  | EXISTING CONTOUR     |
|  | PROPOSED CONTOUR     |
|  | CONSTRUCTION LIMITS  |
|  | EDGE OF ROAD         |
|  | TREELINE             |
|  | EDGE OF WATER        |
|  | SURVEY CONTROL POINT |

Legend

**McKinley Road Embankments**

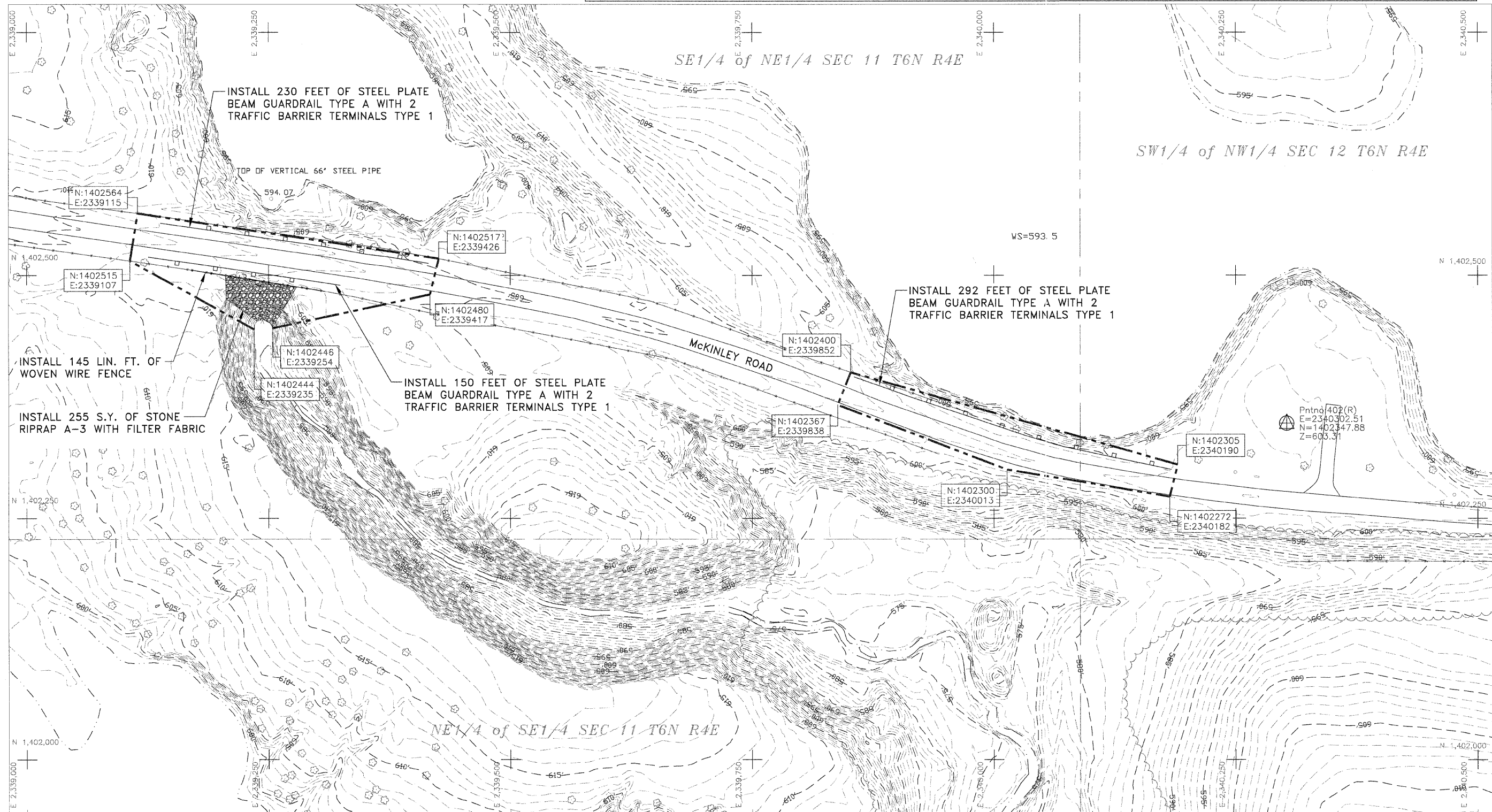
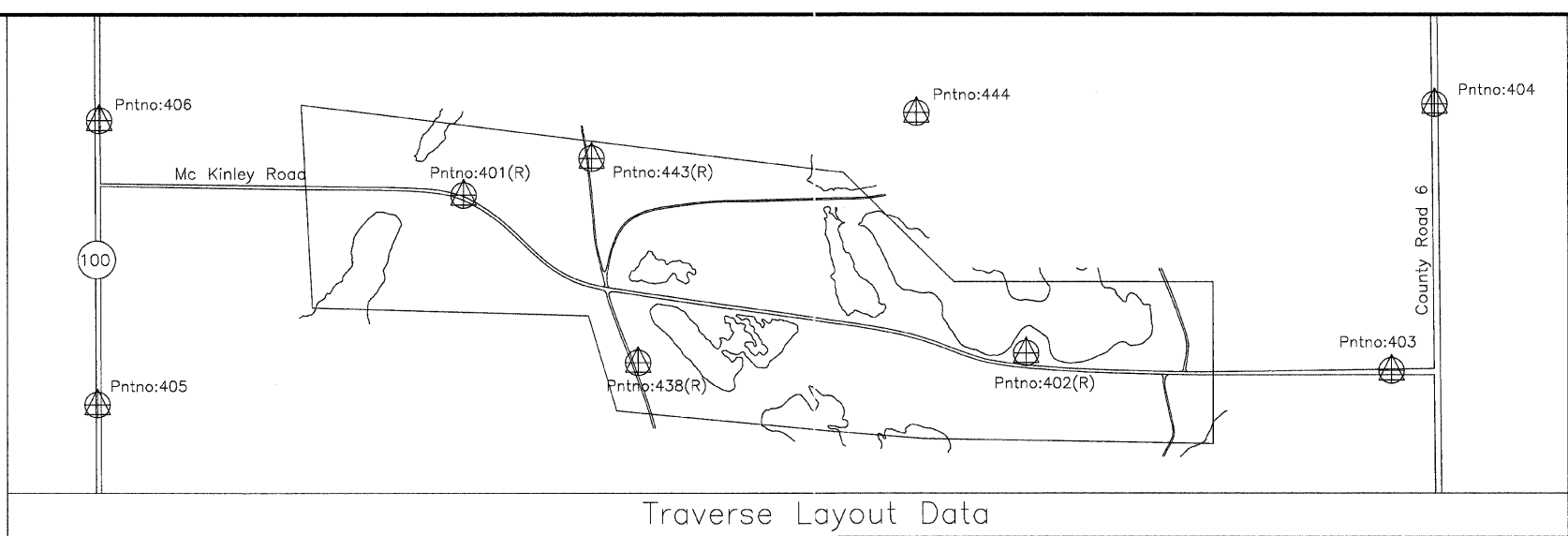
SCALE IN FEET

**McKinley Road Embankments**



|  |                      |
|--|----------------------|
|  | EXISTING CONTOUR     |
|  | PROPOSED CONTOUR     |
|  | CONSTRUCTION LIMITS  |
|  | EDGE OF ROAD         |
|  | TREELINE             |
|  | EDGE OF WATER        |
|  | SURVEY CONTROL POINT |

Legend



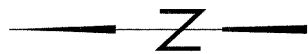
State of Illinois  
Department of Natural Resources

Gale Road Embankments  
Group Reclamation Project  
AML-GFuE-0604  
Fulton County

Drawn By: M-LF  
Checked By: \_\_\_\_\_  
Date: 1/15/2008

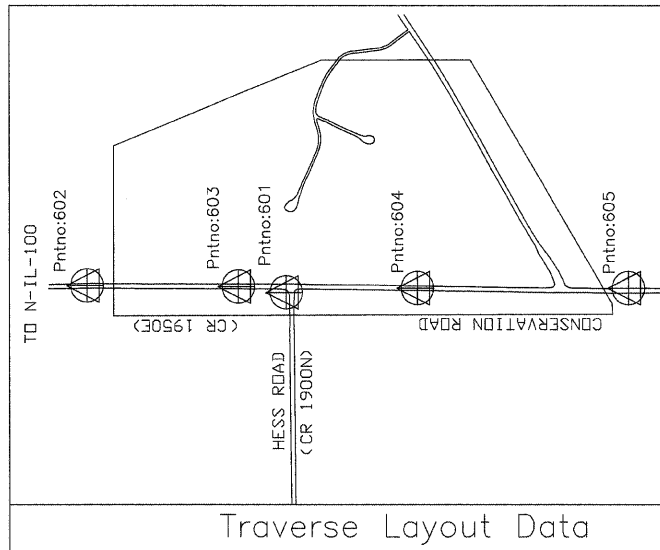
Existing & Proposed  
Conditions  
Sheet  
7 of 28

**Conservation Road  
Highwall**

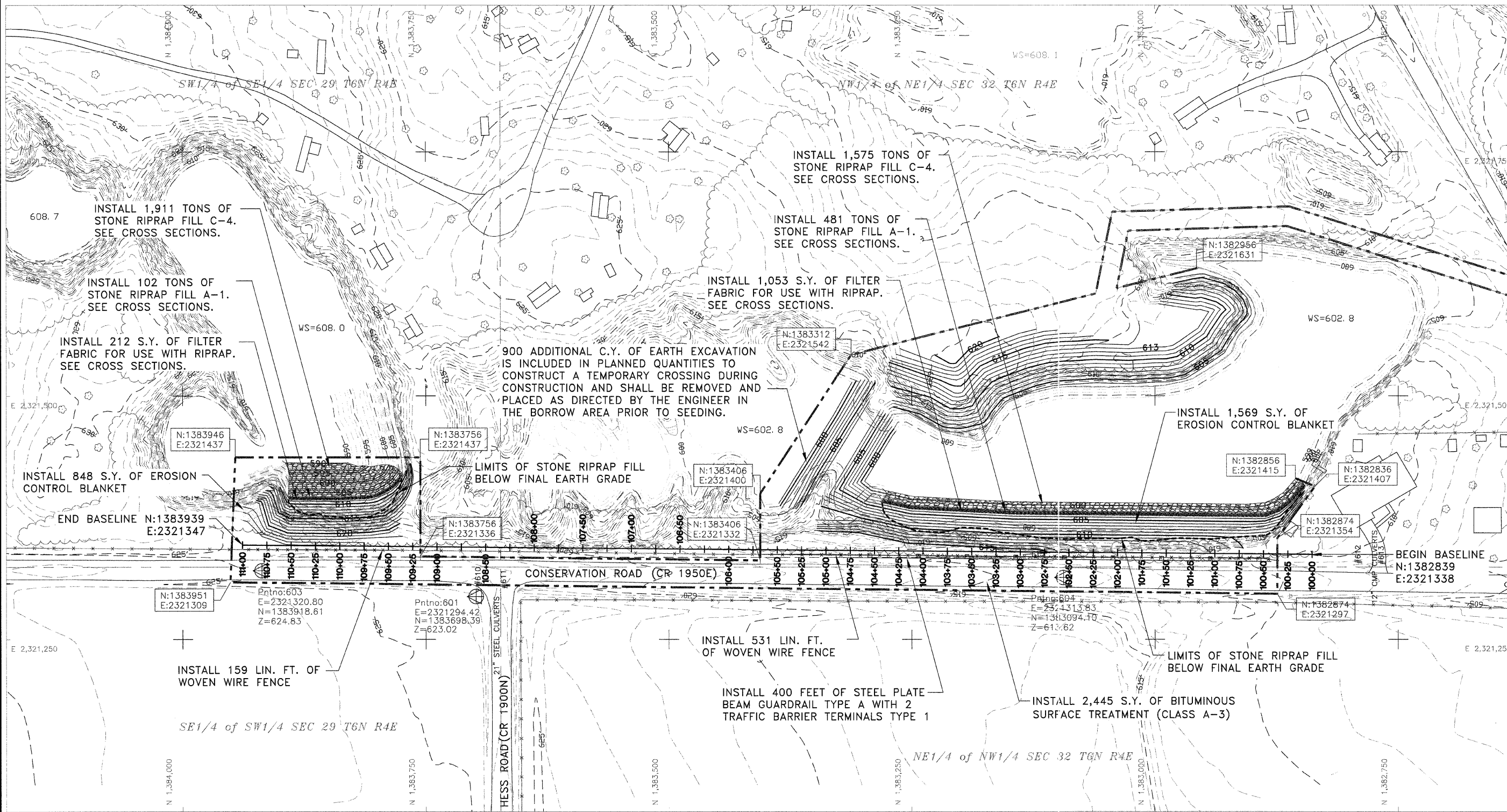


- 500'--- EXISTING CONTOUR
- 600— PROPOSED CONTOUR
- \* \* \* \* \* PROPOSED FENCE
- — — PROPOSED GUARDRAIL
- — — EDGE OF ROAD
- ~~~~~ TREELINE
- - - - - EDGE OF WATER
- ⊙ SURVEY CONTROL POINT
- ▨ EROSION CONTRCL BLANKET

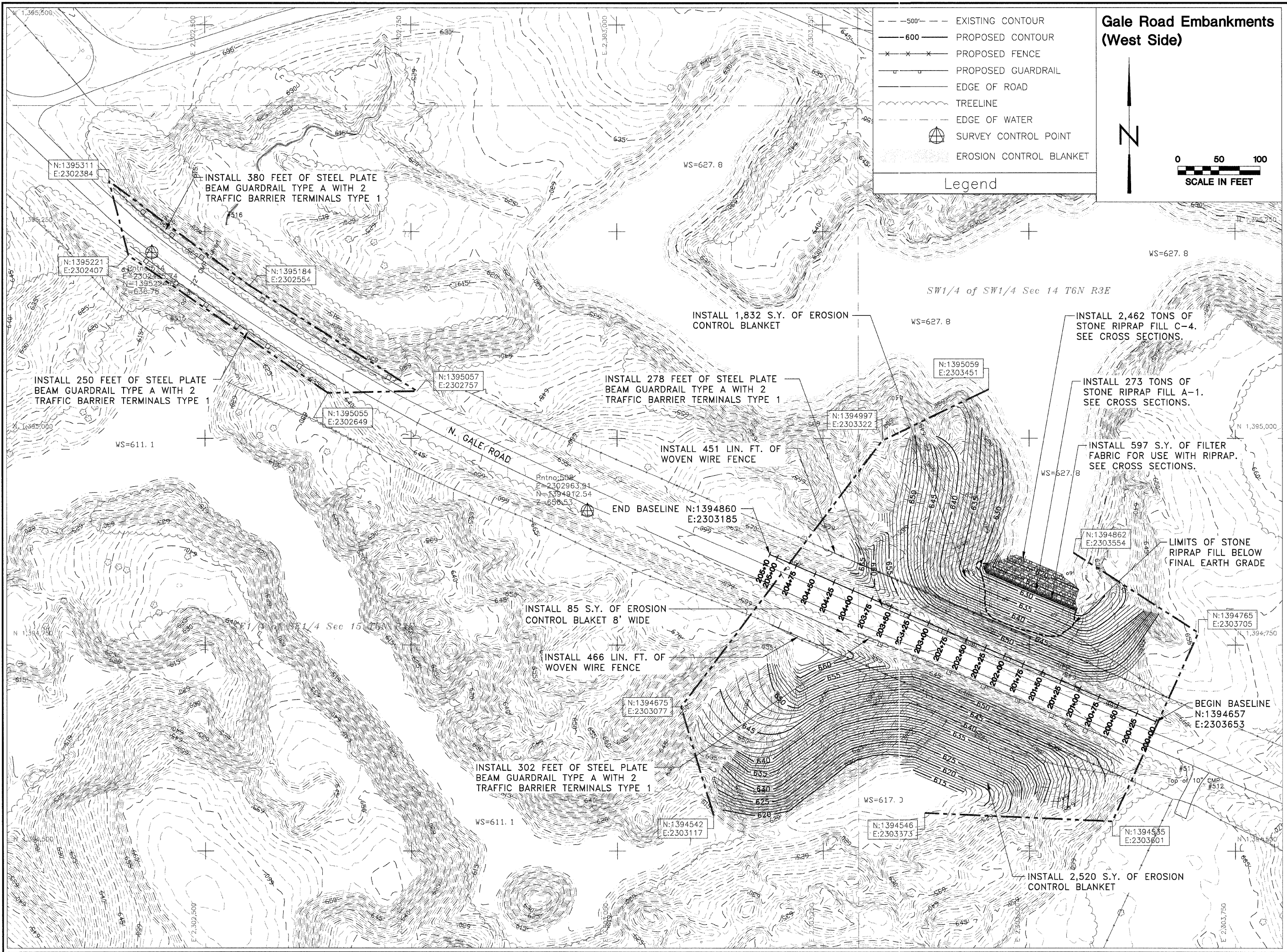
Legend



Traverse Layout Data





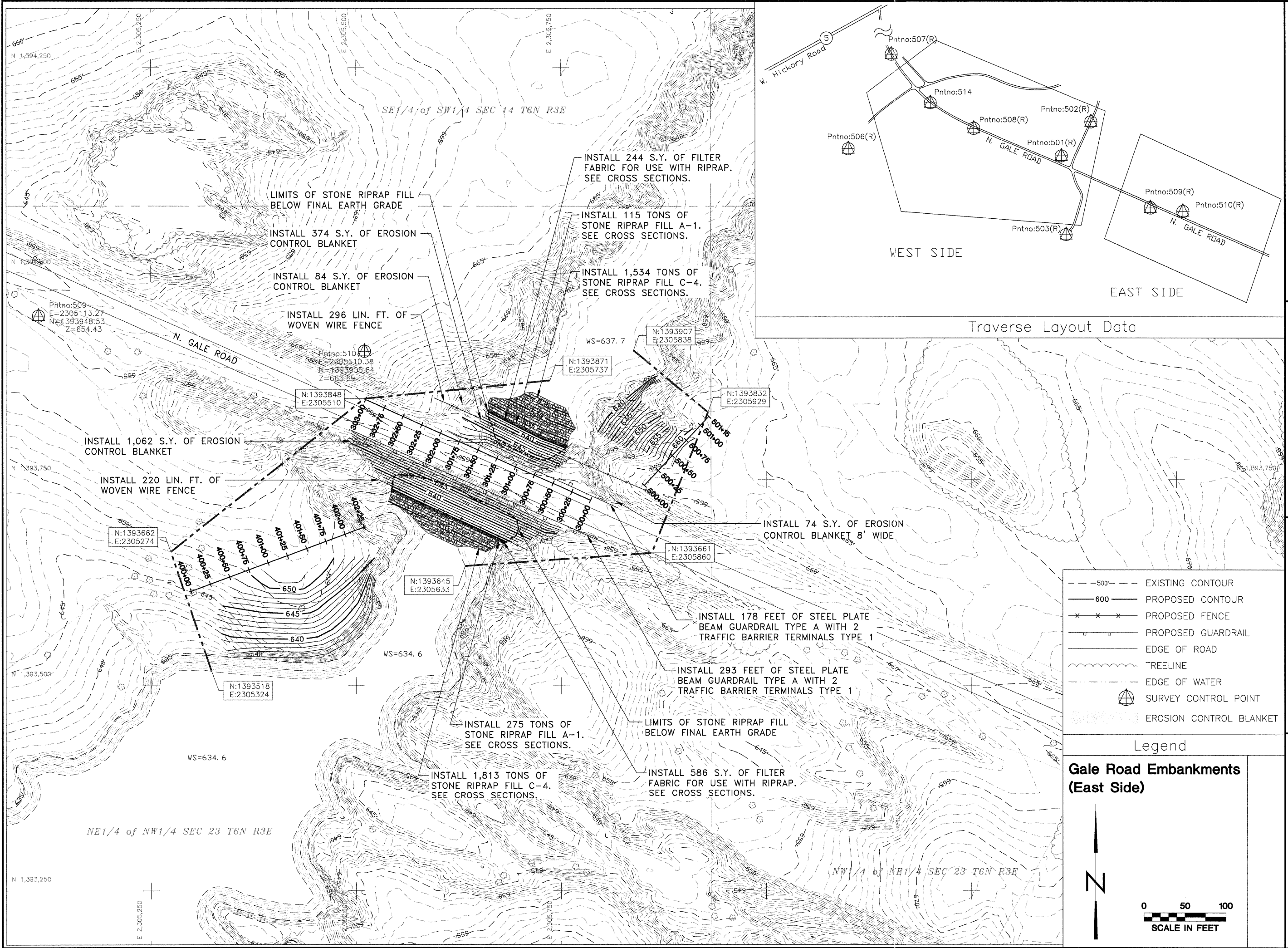


**Legend**

- 500'--- EXISTING CONTOUR
- 600— PROPOSED CONTOUR
- × × × PROPOSED FENCE
- PROPOSED GUARDRAIL
- EDGE OF ROAD
- TREELINE
- EDGE OF WATER
- ⊕ SURVEY CONTROL POINT
- ▨ EROSION CONTROL BLANKET

**Gale Road Embankments (West Side)**

0 50 100  
SCALE IN FEET



|  |                         |
|--|-------------------------|
|  | EXISTING CONTOUR        |
|  | PROPOSED CONTOUR        |
|  | PROPOSED FENCE          |
|  | PROPOSED GUARDRAIL      |
|  | EDGE OF ROAD            |
|  | TREELINE                |
|  | EDGE OF WATER           |
|  | SURVEY CONTROL POINT    |
|  | EROSION CONTROL BLANKET |

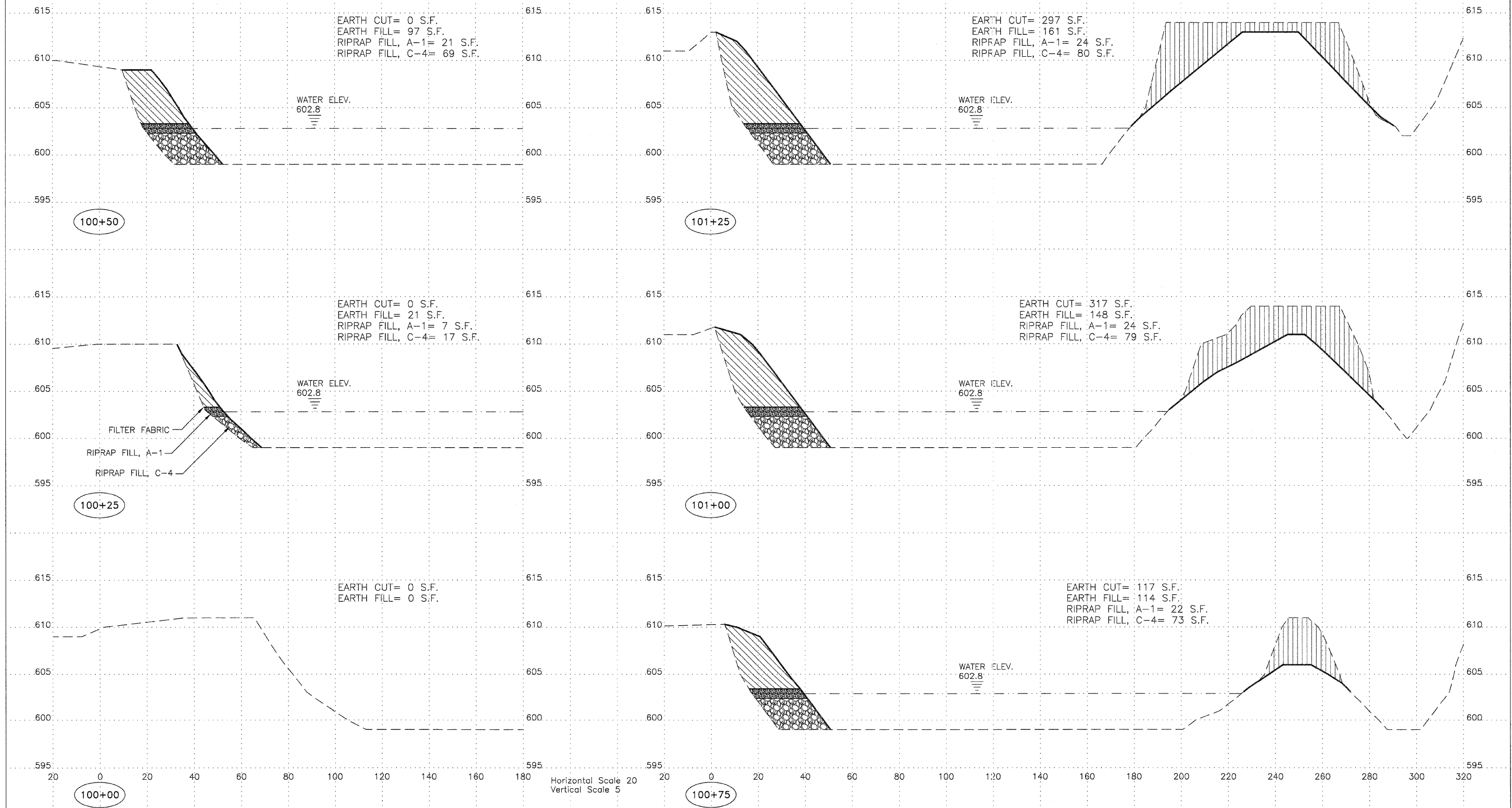
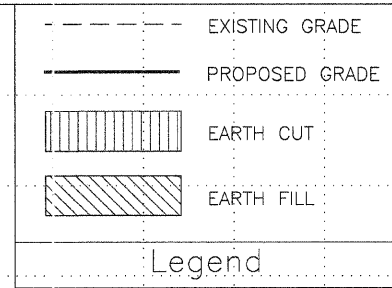
Legend

**Gale Road Embankments (East Side)**

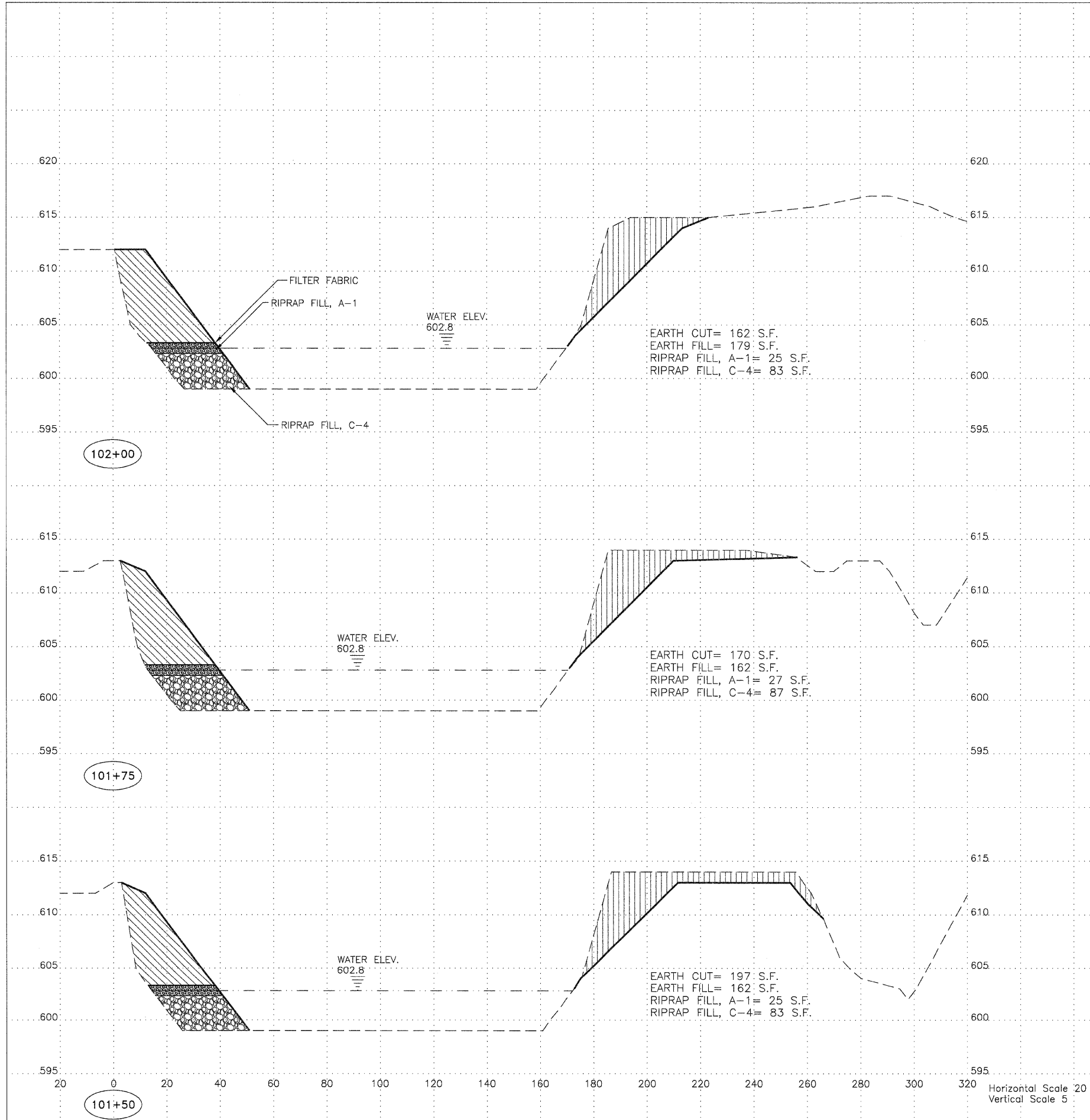
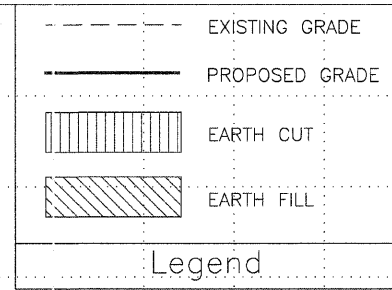
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0 50 100  
SCALE IN FEET

**Gale Road Embankments  
Group Reclamation Project  
AML-GFuE-0604  
Fulton County**



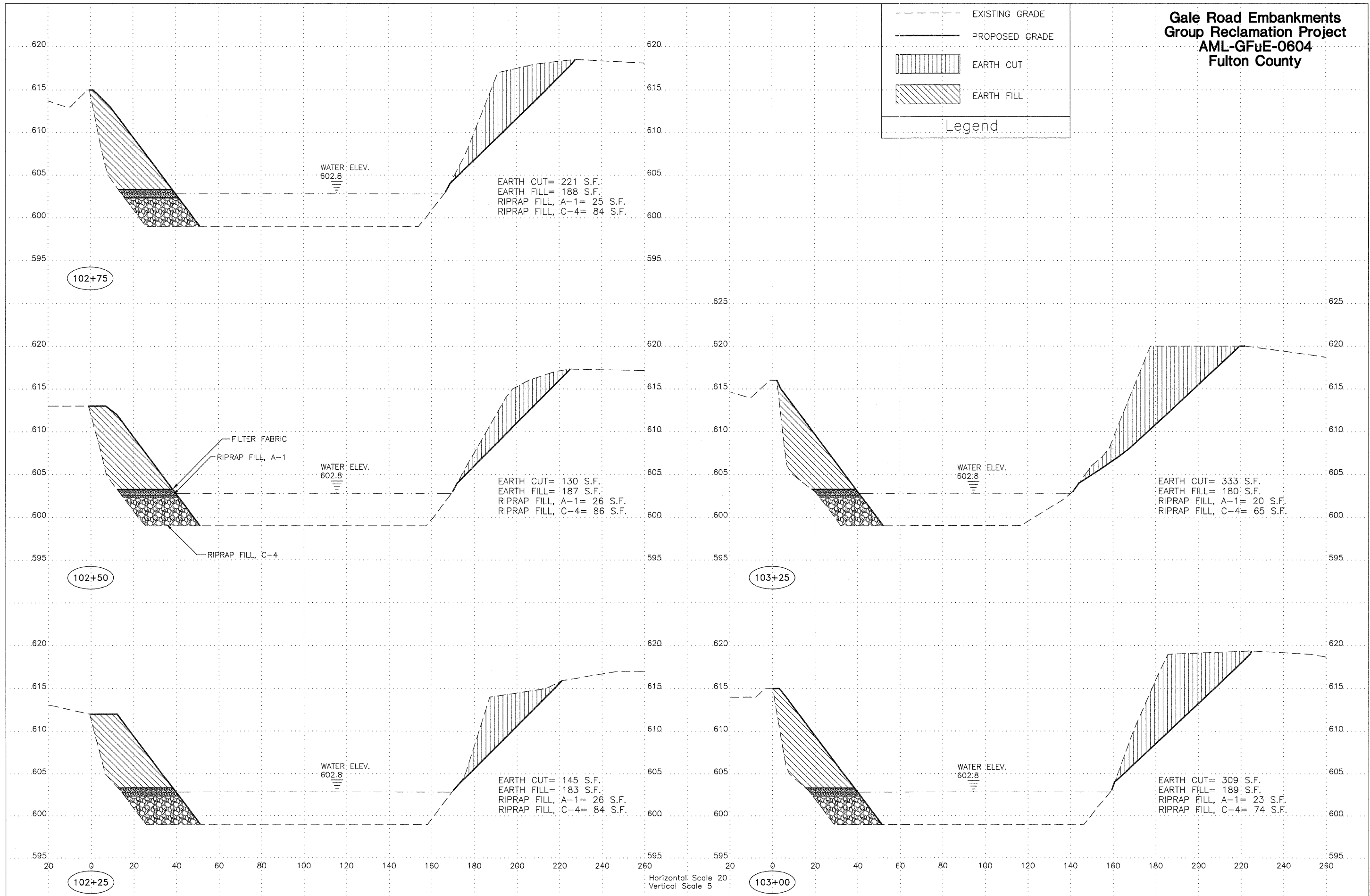
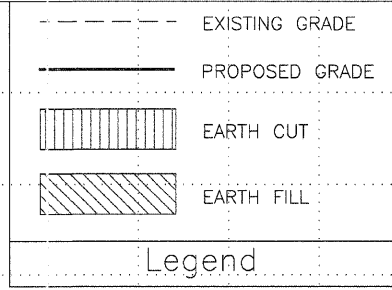
**Gale Road Embankments  
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Fulton County**



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Vertical Scale 5

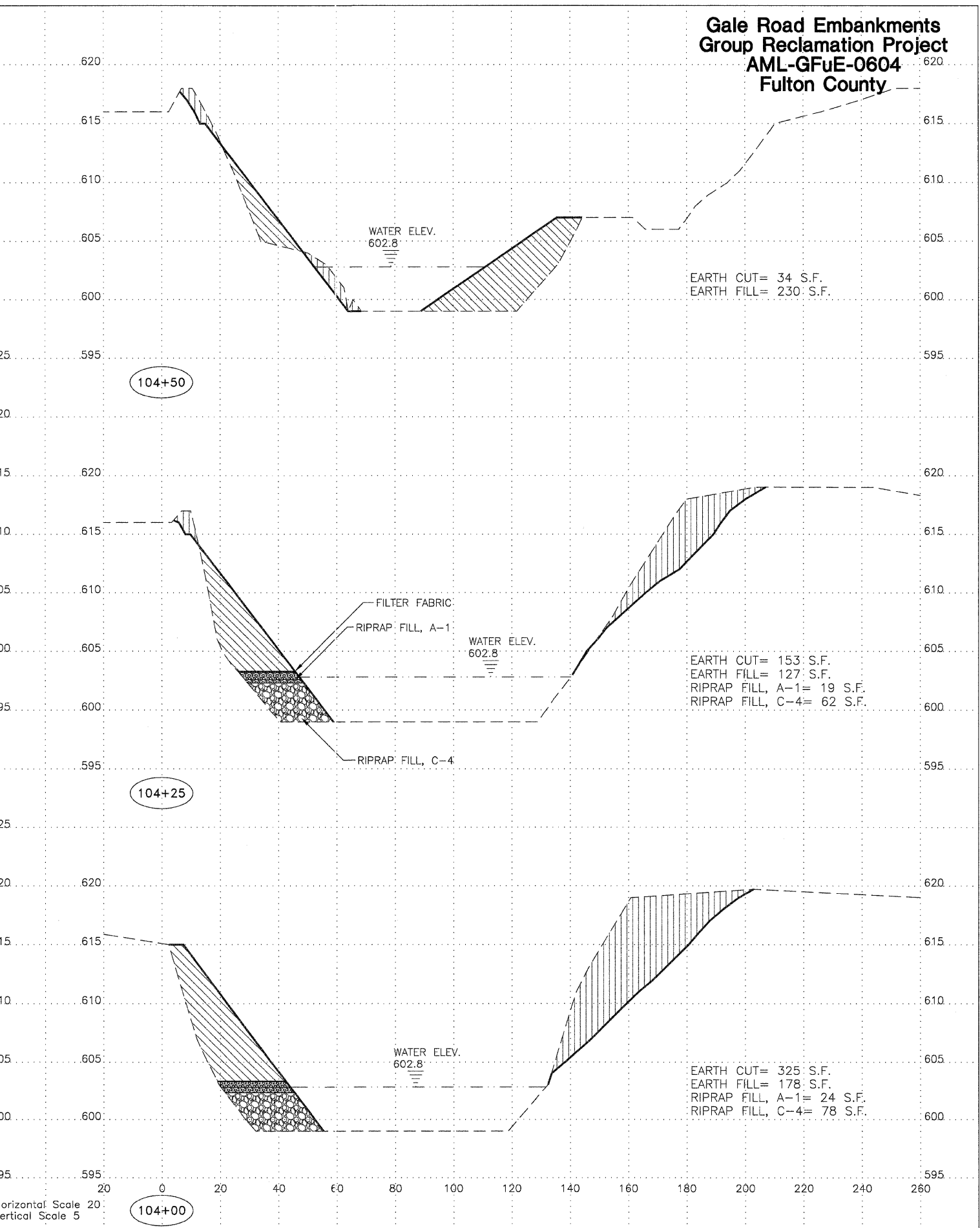
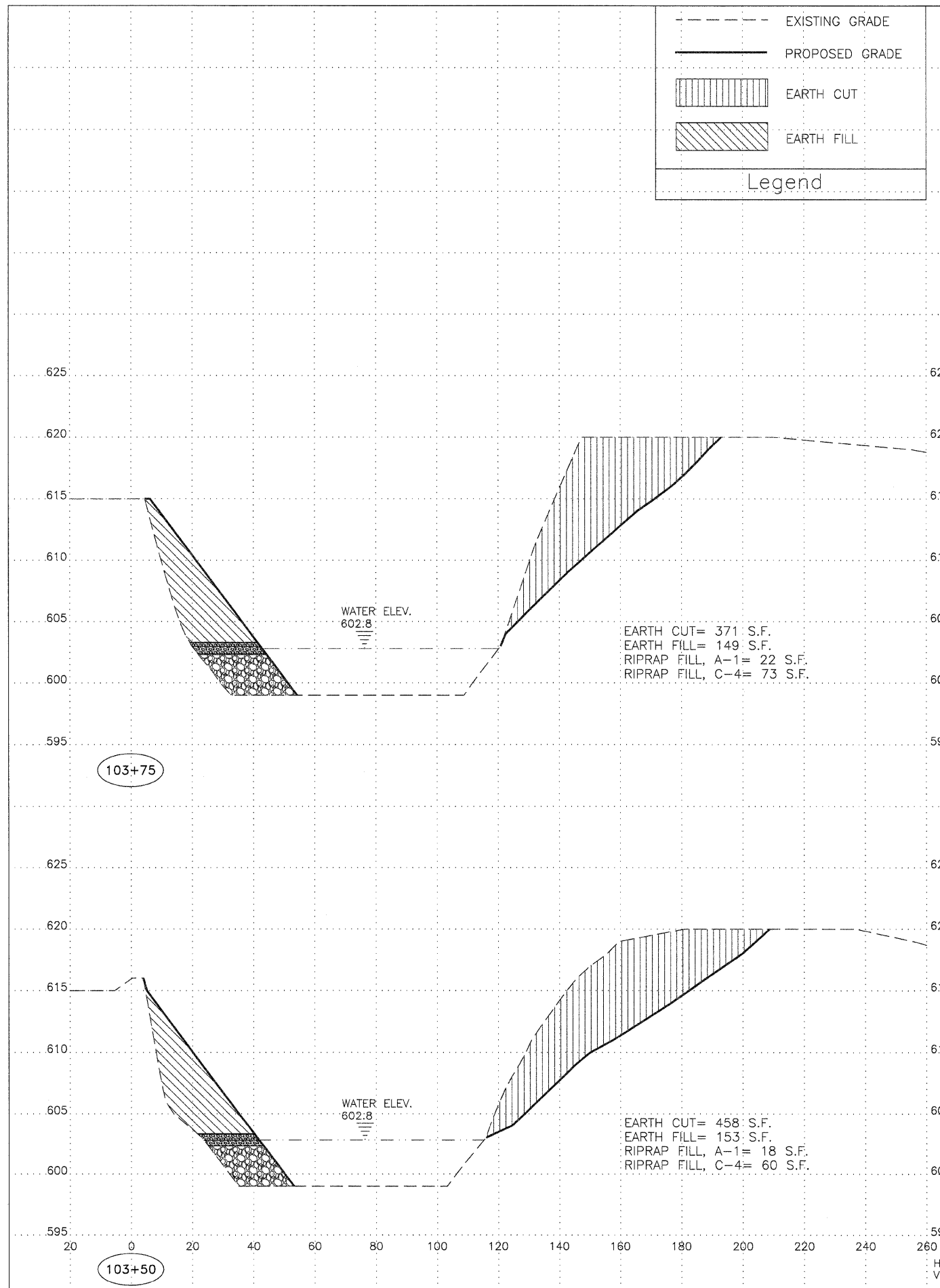
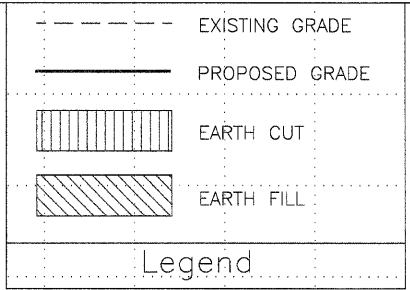


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Group Reclamation Project  
AML-GFuE-0604  
Fulton County**



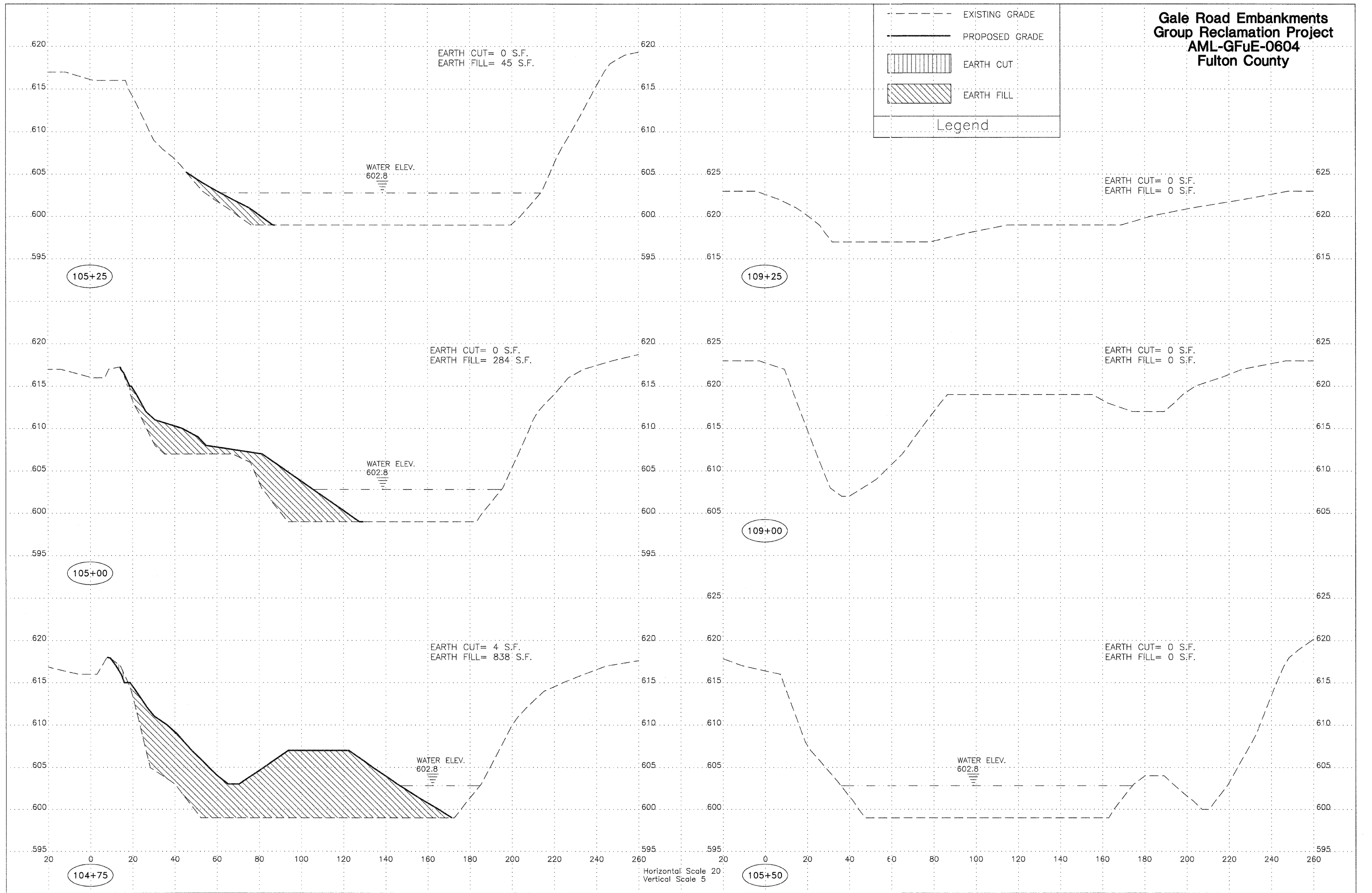
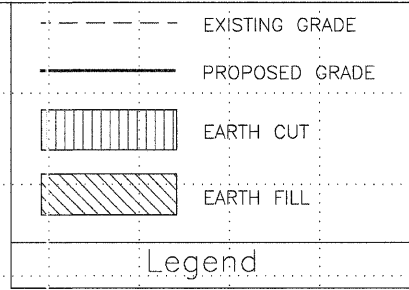
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Vertical Scale 5'

**Gale Road Embankments  
Group Reclamation Project  
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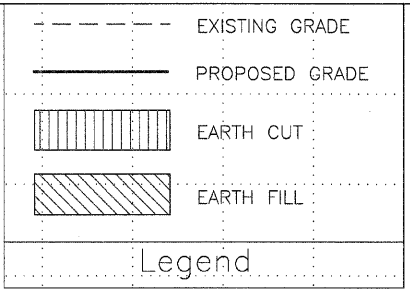


Horizontal Scale 20'  
Vertical Scale 5'

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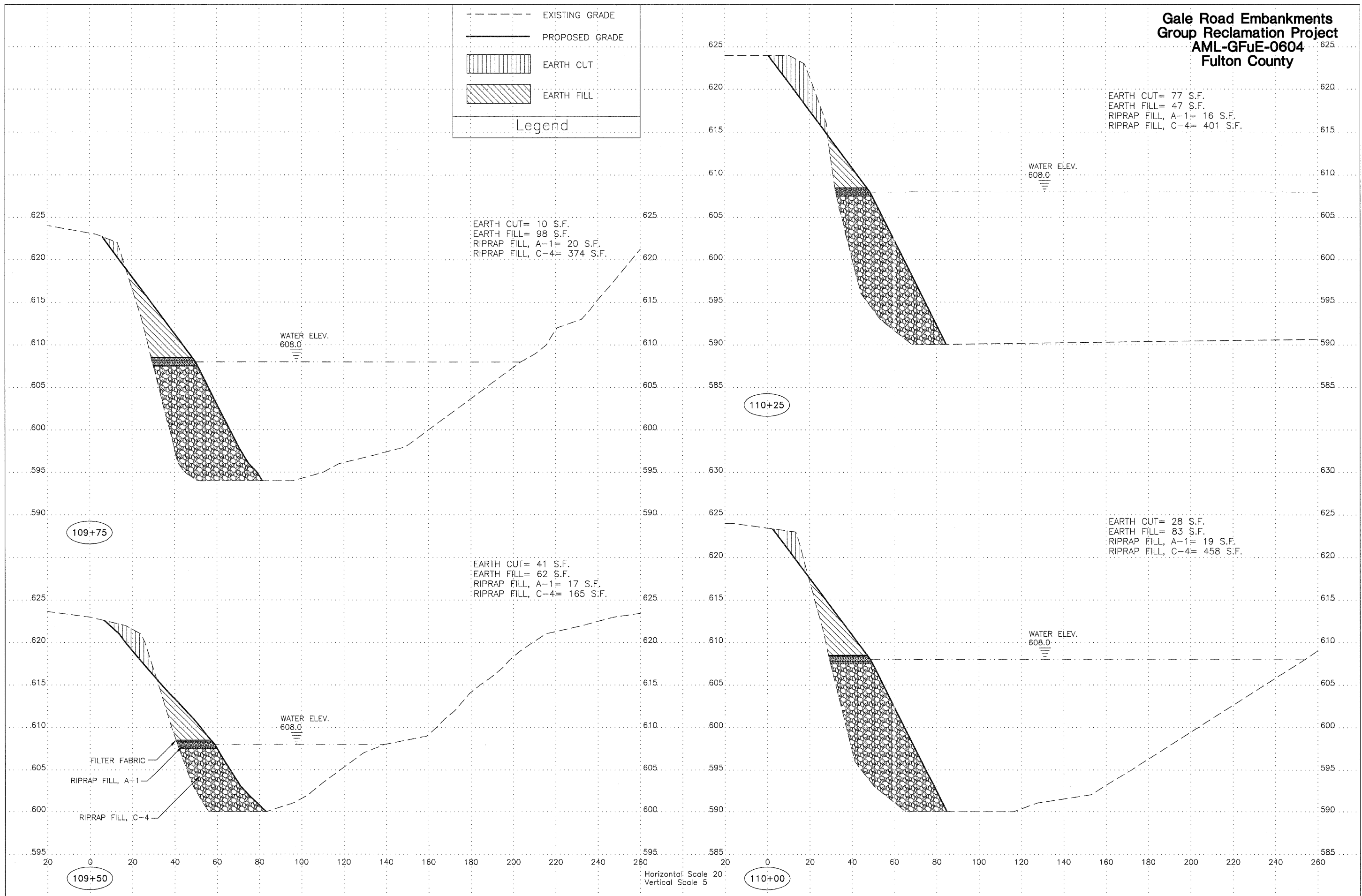


EARTH CUT= 77 S.F.  
EARTH FILL= 47 S.F.  
RIPRAP FILL, A-1= 16 S.F.  
RIPRAP FILL, C-4= 401 S.F.

EARTH CUT= 10 S.F.  
EARTH FILL= 98 S.F.  
RIPRAP FILL, A-1= 20 S.F.  
RIPRAP FILL, C-4= 374 S.F.

EARTH CUT= 28 S.F.  
EARTH FILL= 83 S.F.  
RIPRAP FILL, A-1= 19 S.F.  
RIPRAP FILL, C-4= 458 S.F.

EARTH CUT= 41 S.F.  
EARTH FILL= 62 S.F.  
RIPRAP FILL, A-1= 17 S.F.  
RIPRAP FILL, C-4= 165 S.F.



109+75

110+25

109+50

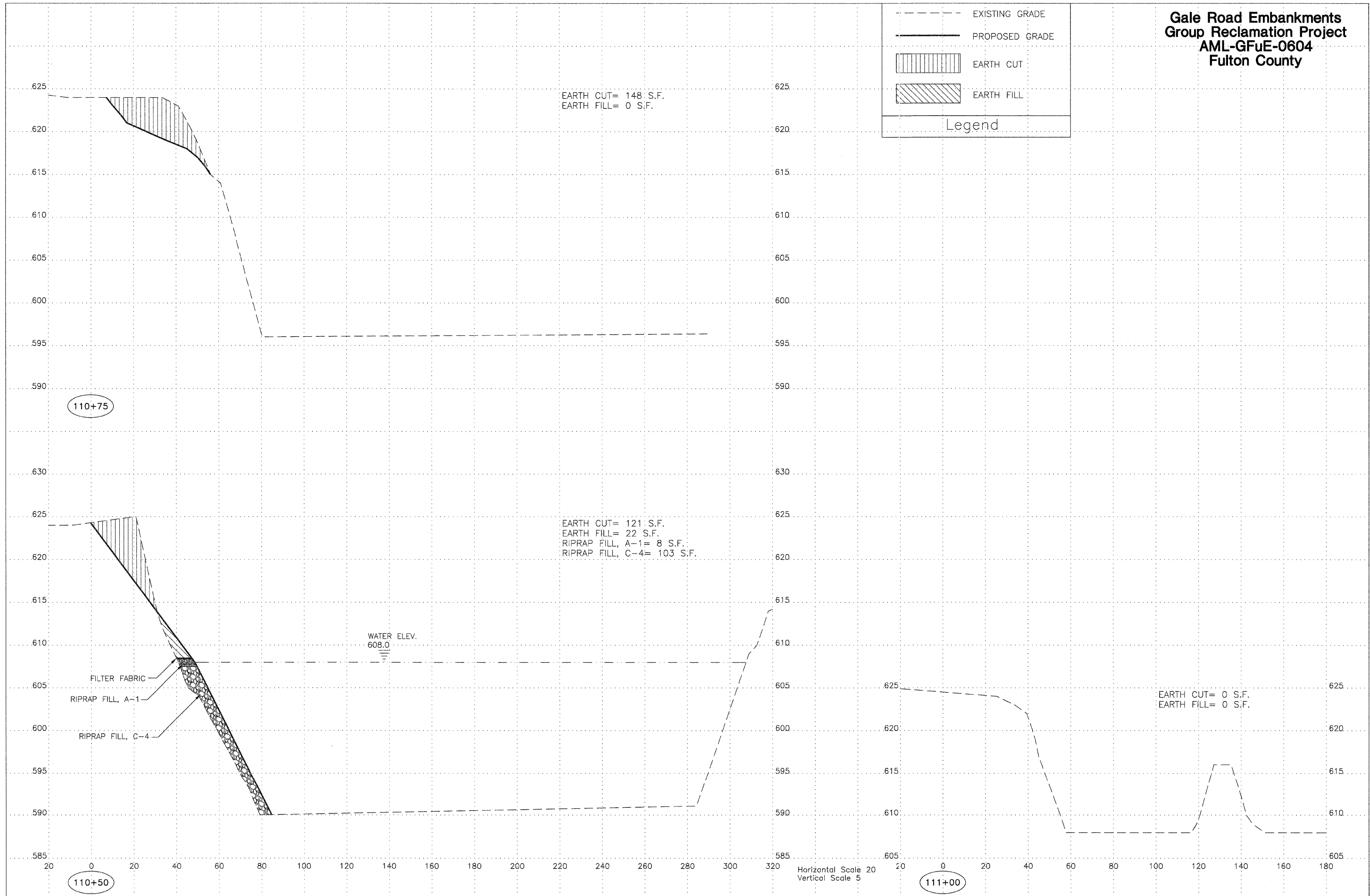
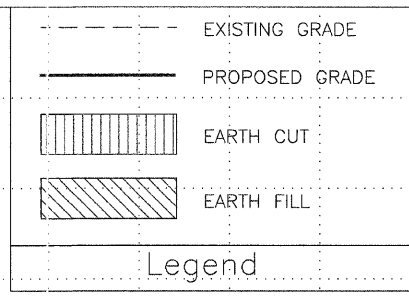
110+00

FILTER FABRIC  
RIPRAP FILL, A-1  
RIPRAP FILL, C-4

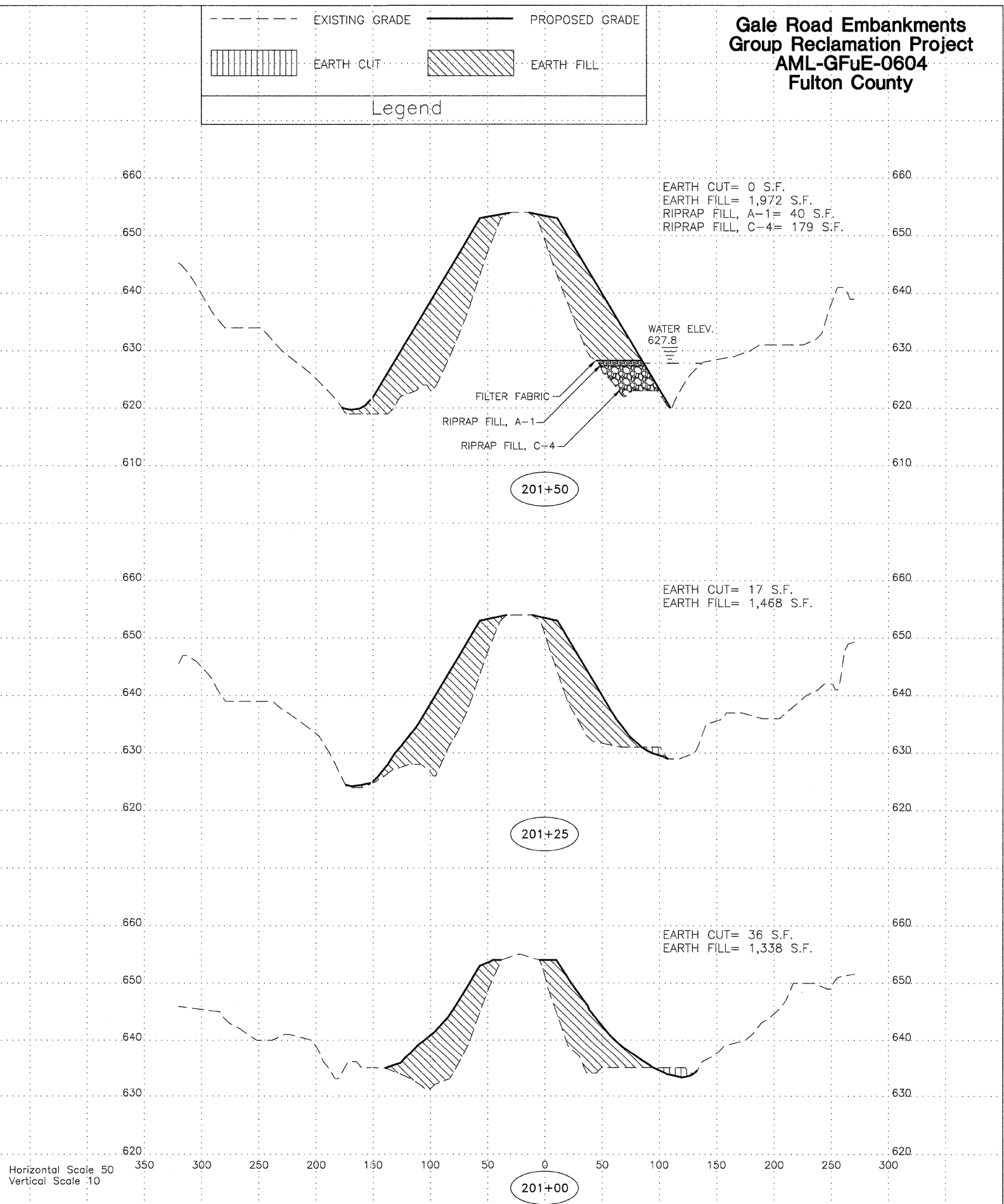
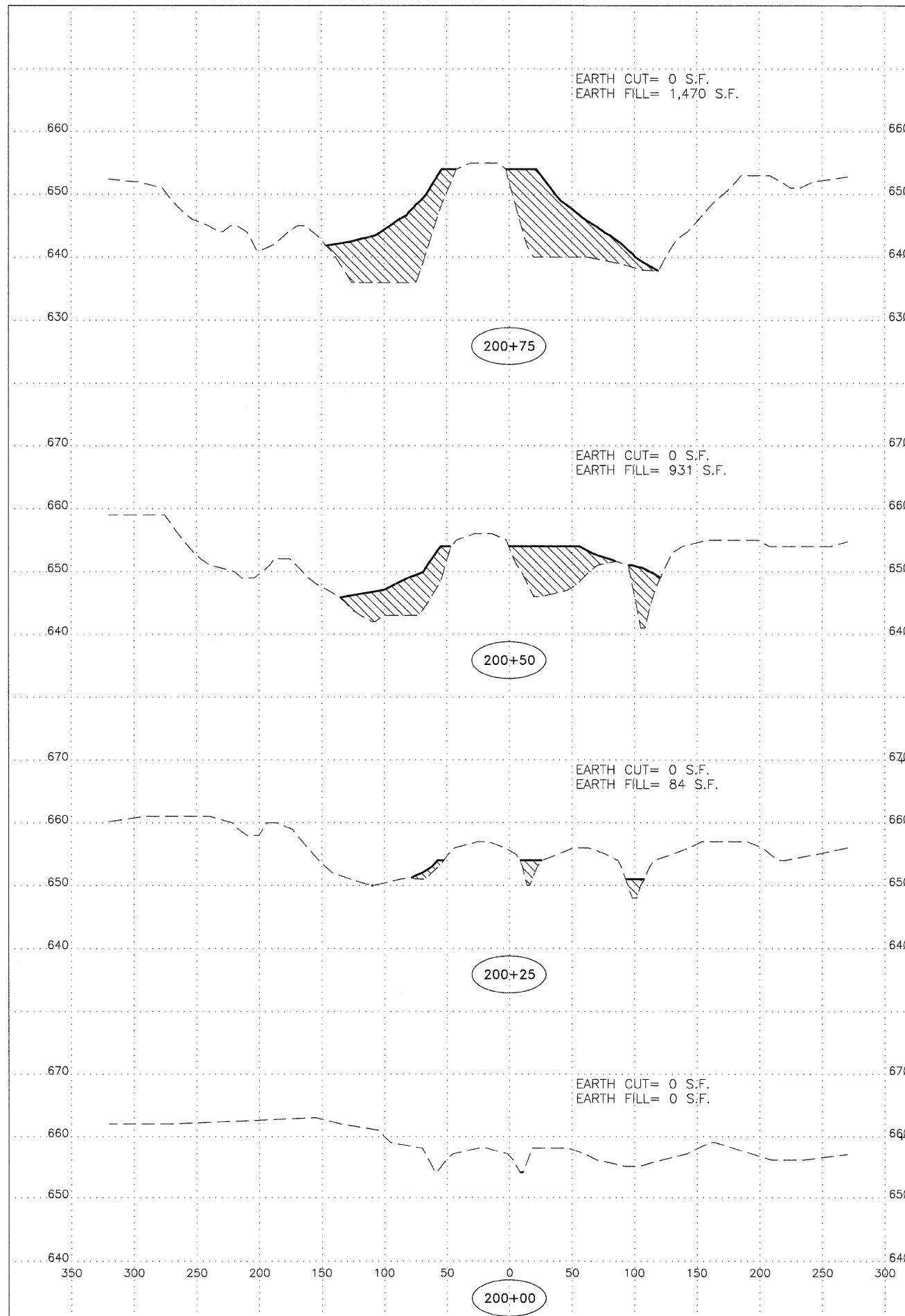
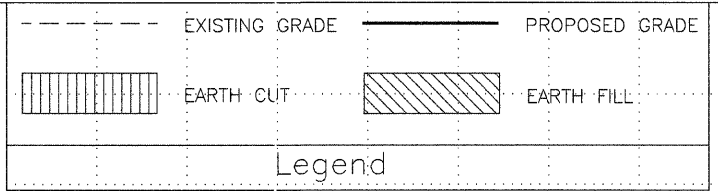
Horizontal Scale 20  
Vertical Scale 5



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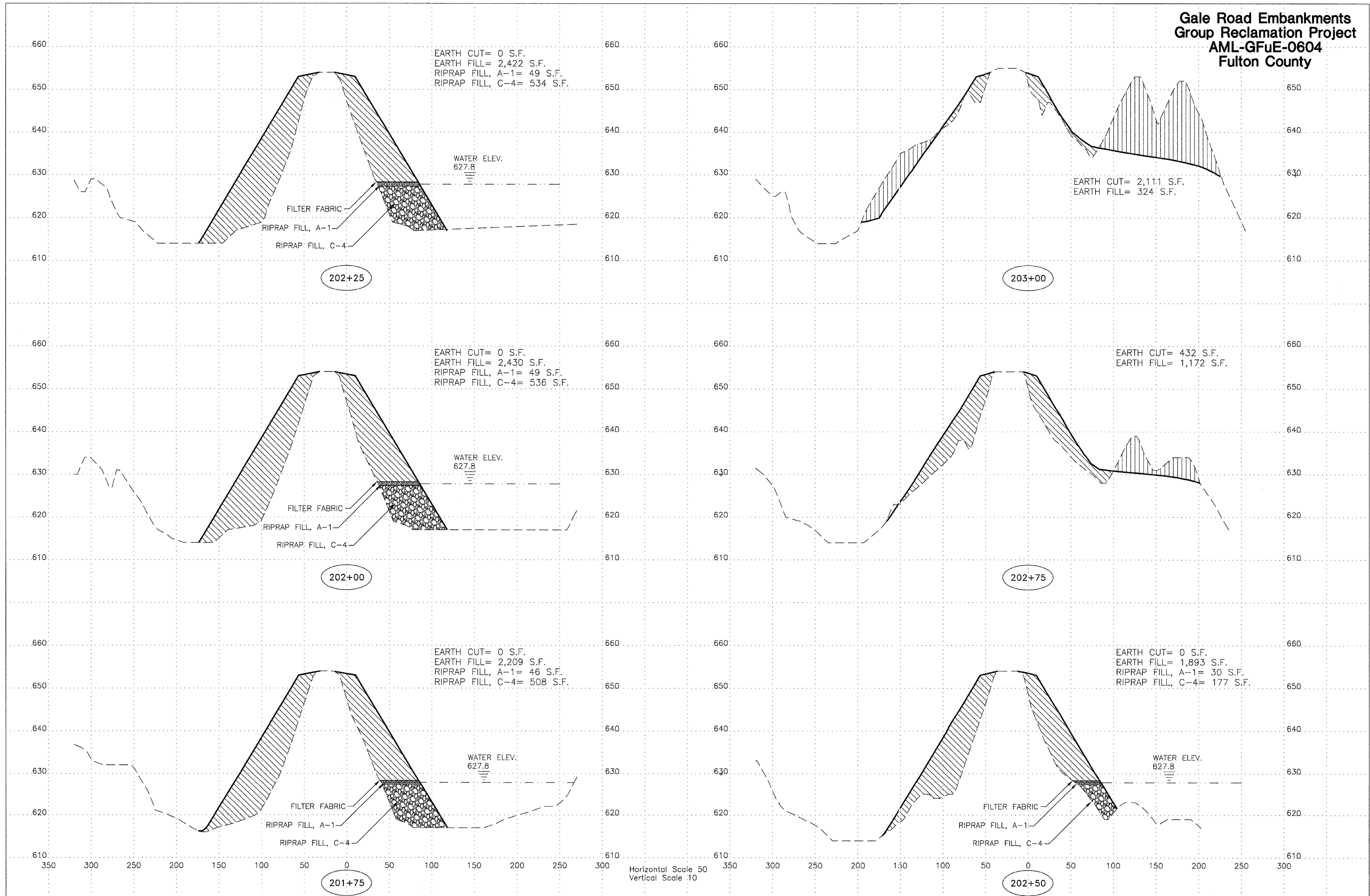


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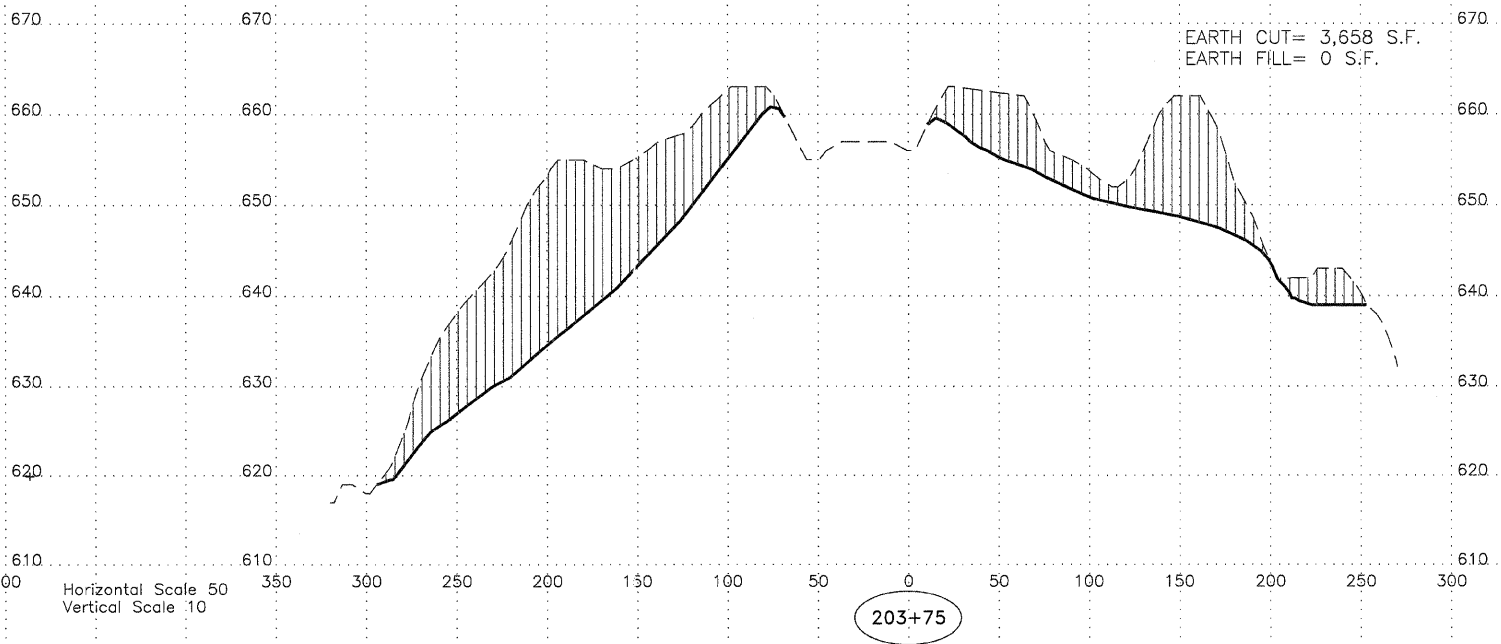
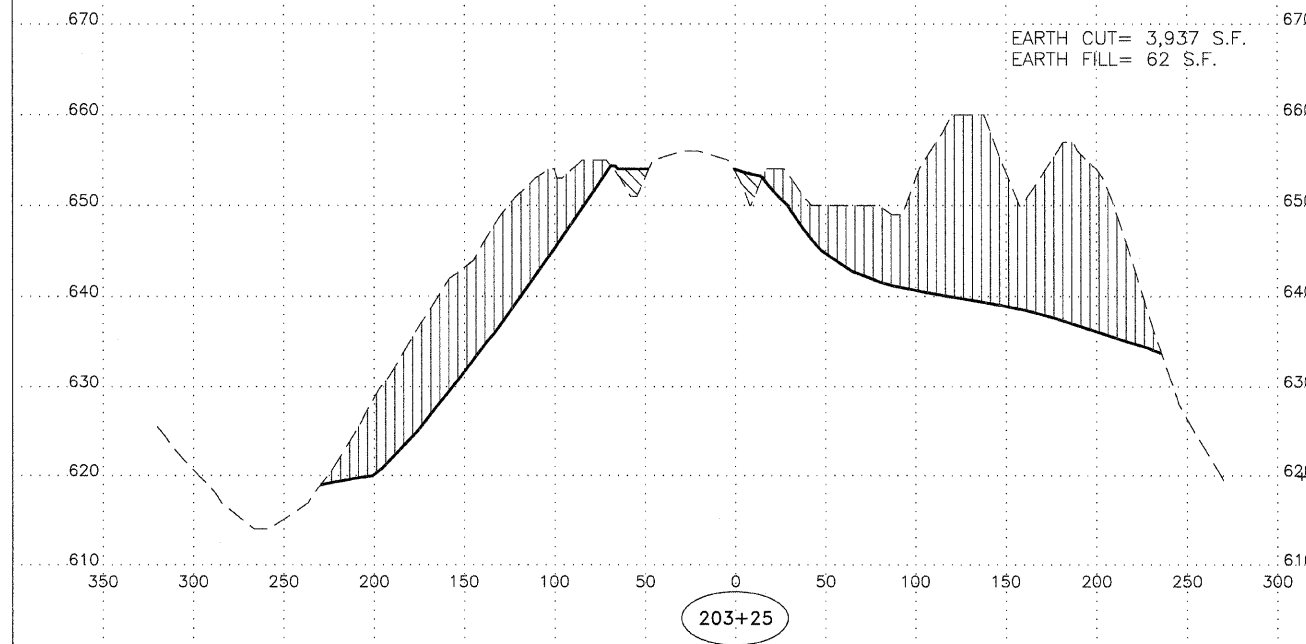
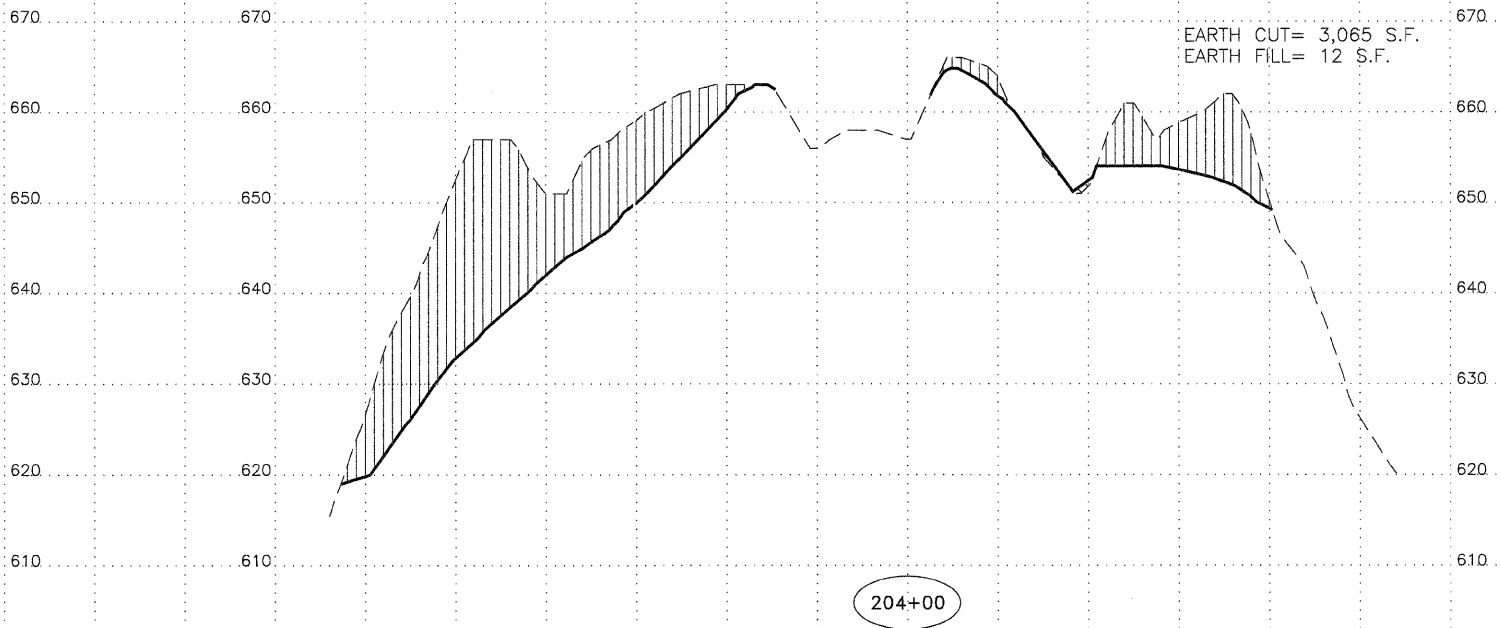
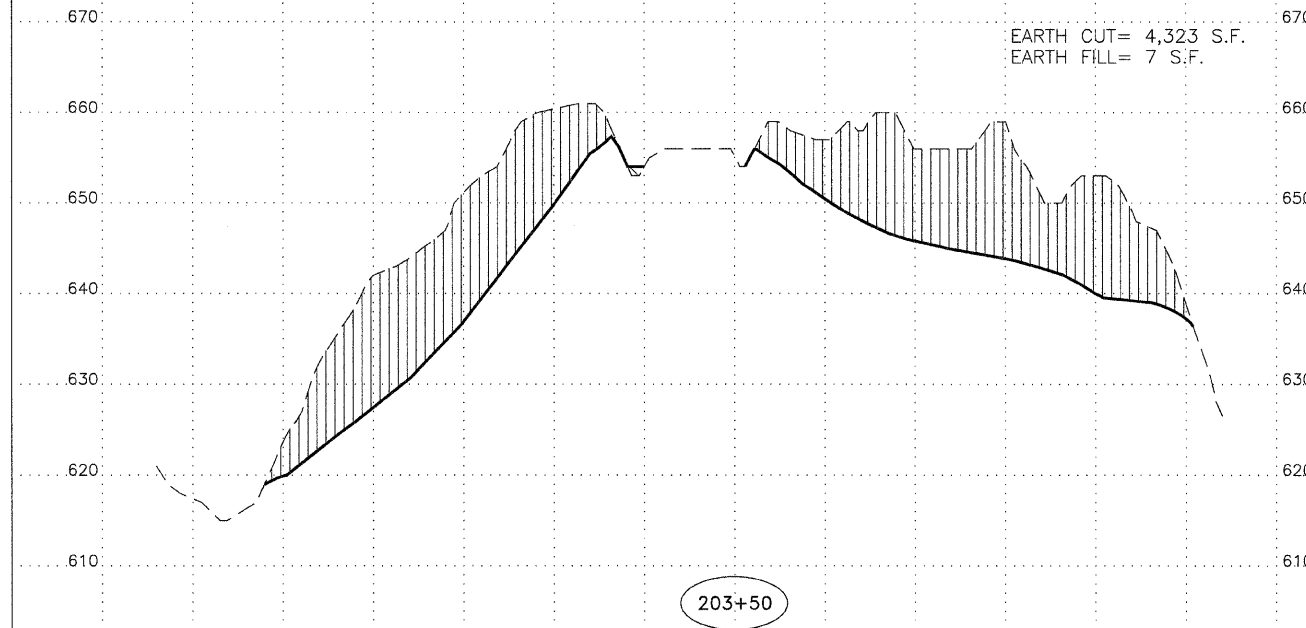
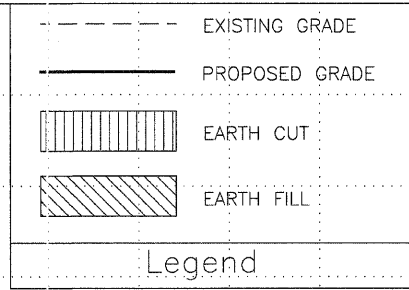


Horizontal Scale 50  
Vertical Scale 10

**Gale Road Embankments  
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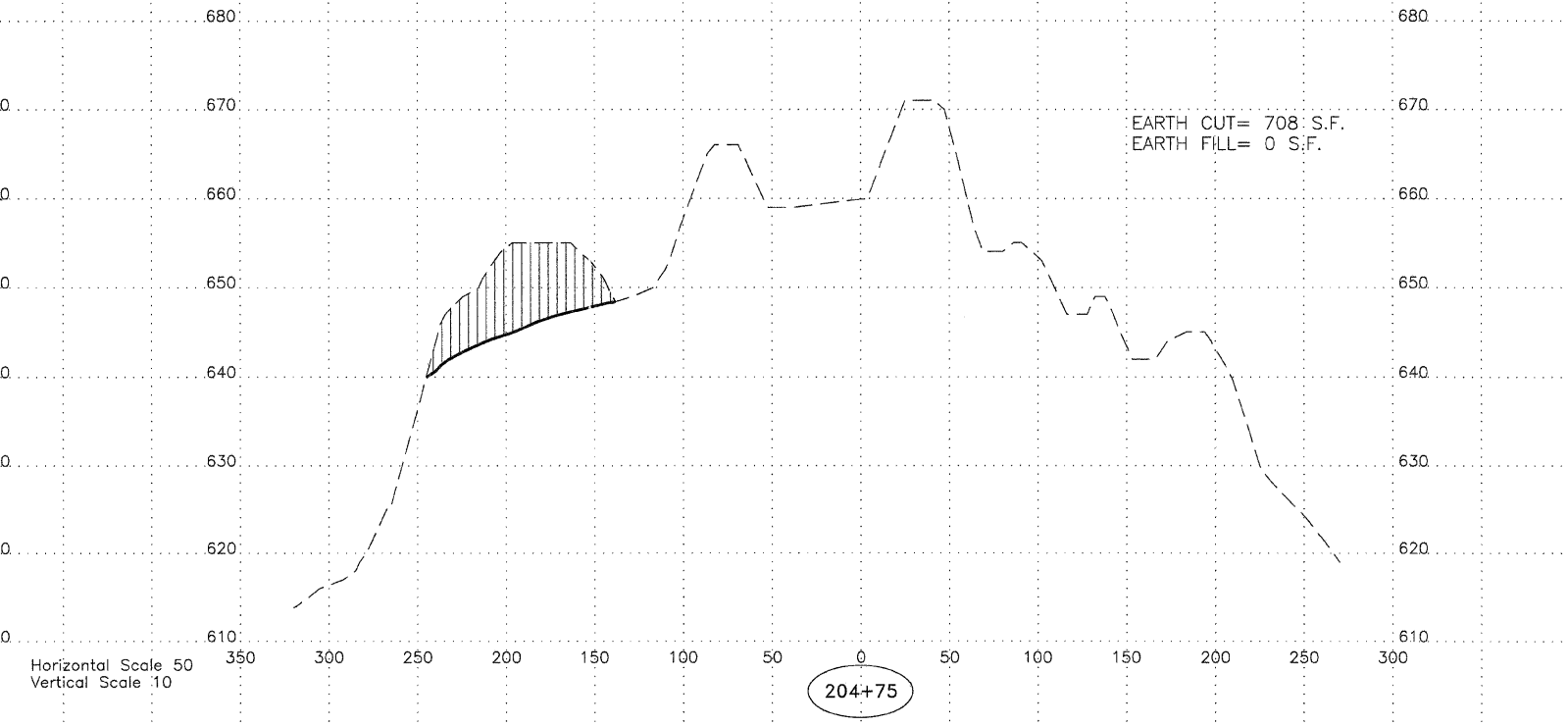
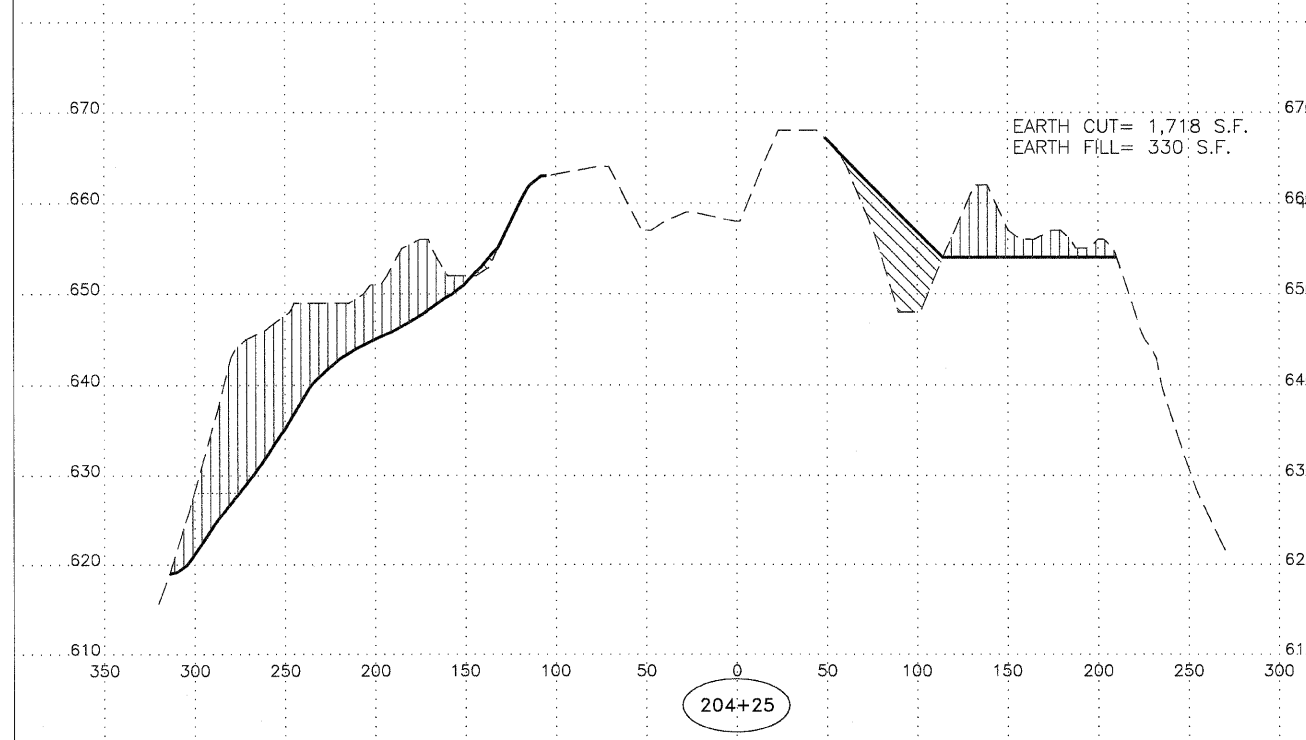
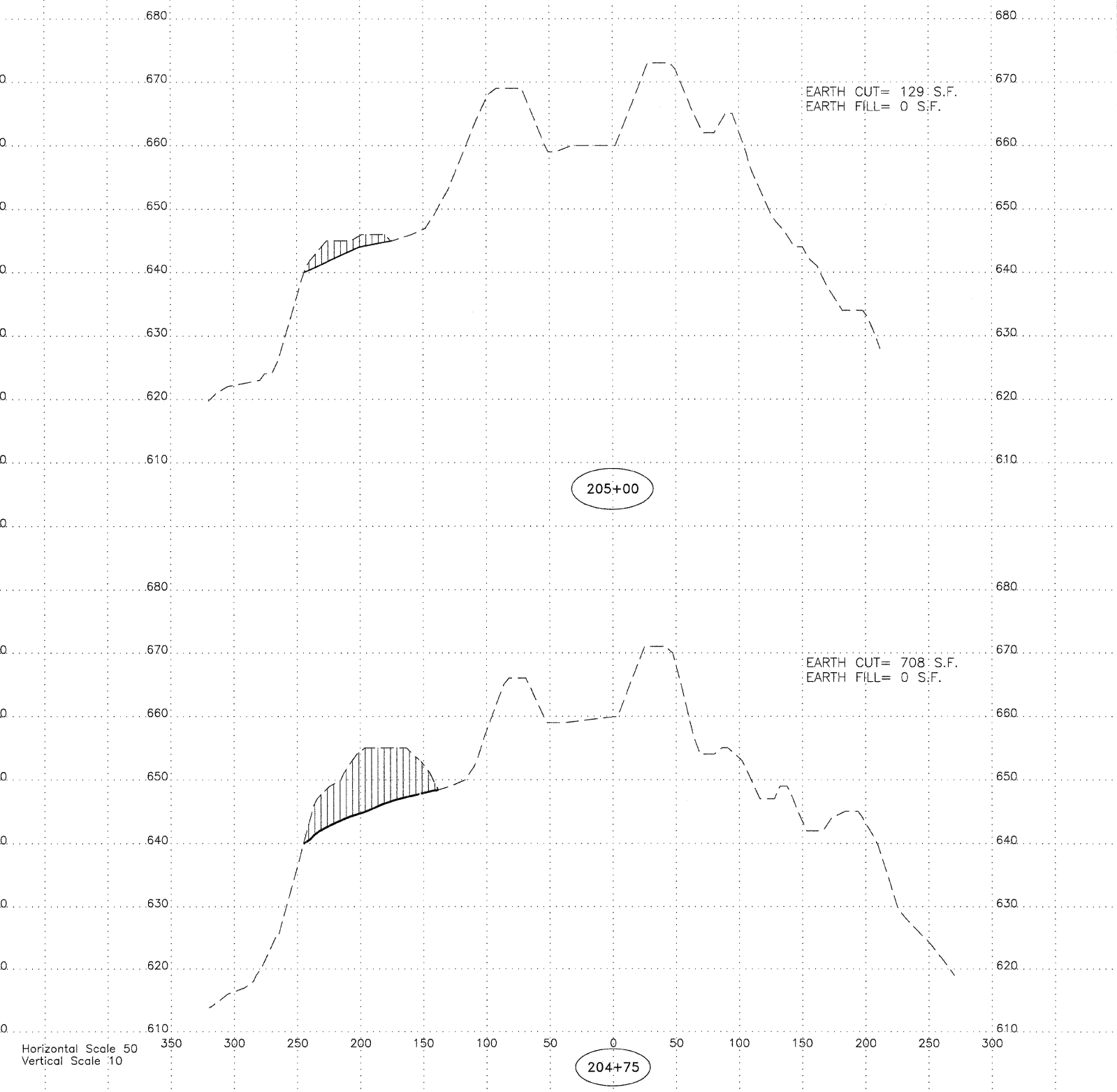
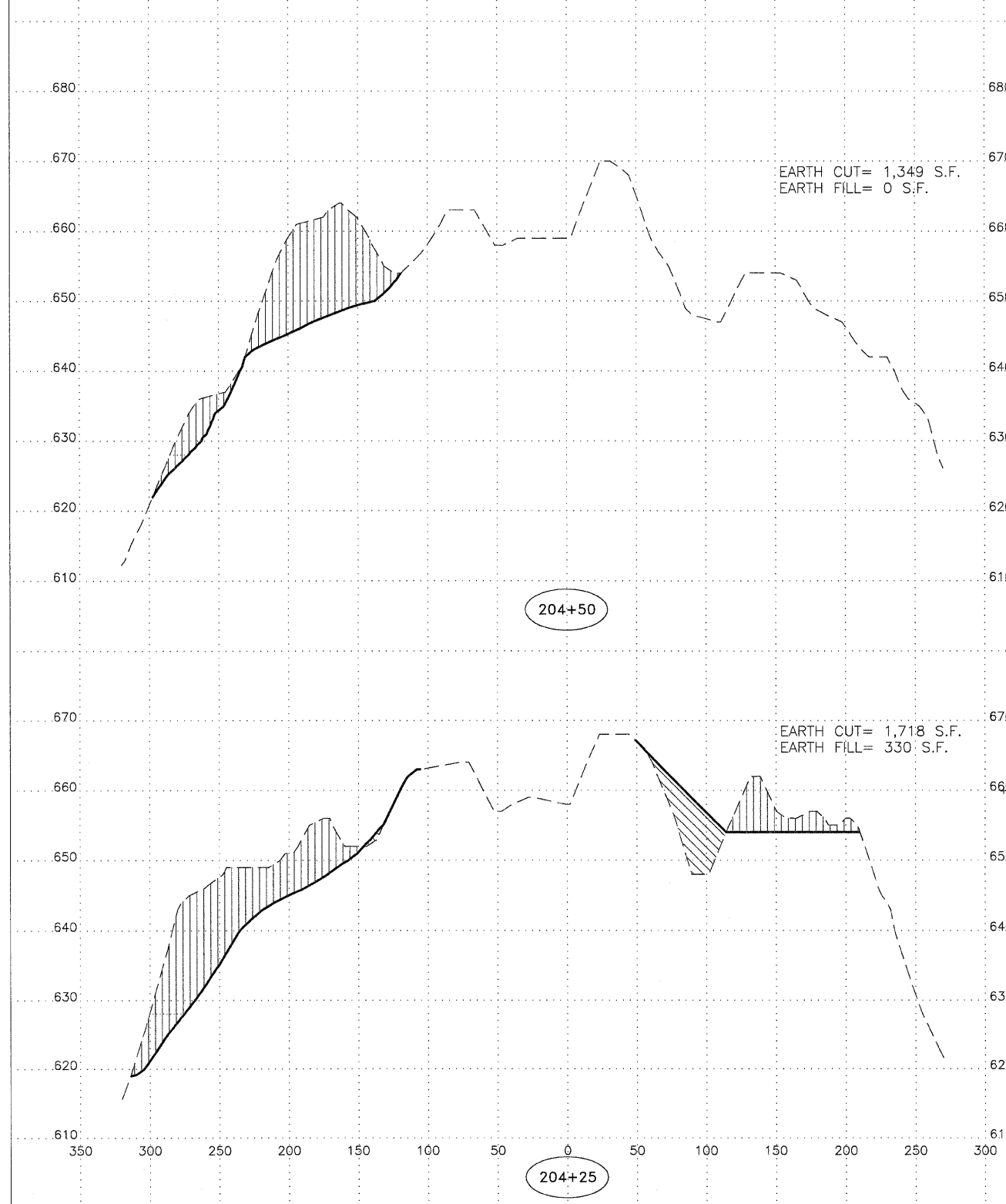
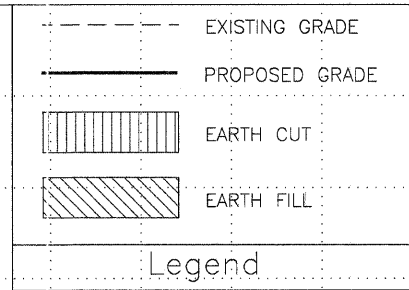
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Fulton County**



Horizontal Scale 50  
Vertical Scale 10

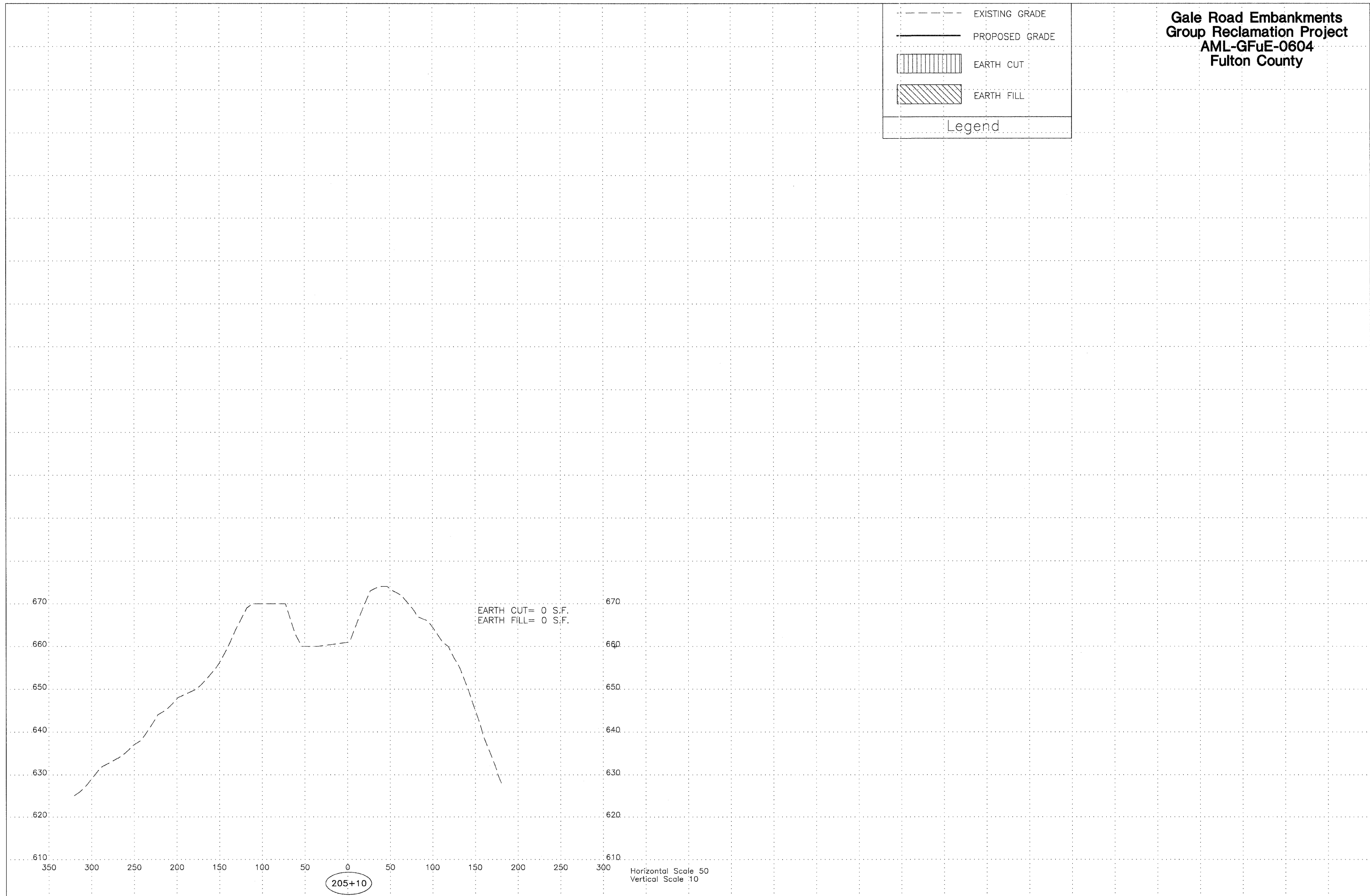
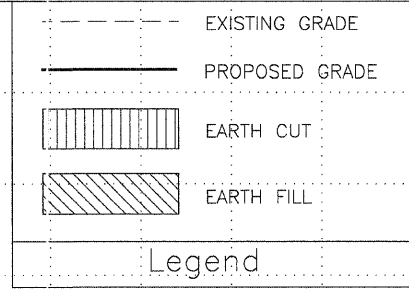


**Gale Road Embankments  
Group Reclamation Project  
AML-GFuE-0604  
Fulton County**



Horizontal Scale 50  
Vertical Scale 10

Gale Road Embankments  
Group Reclamation Project  
AML-GFuE-0604  
Fulton County

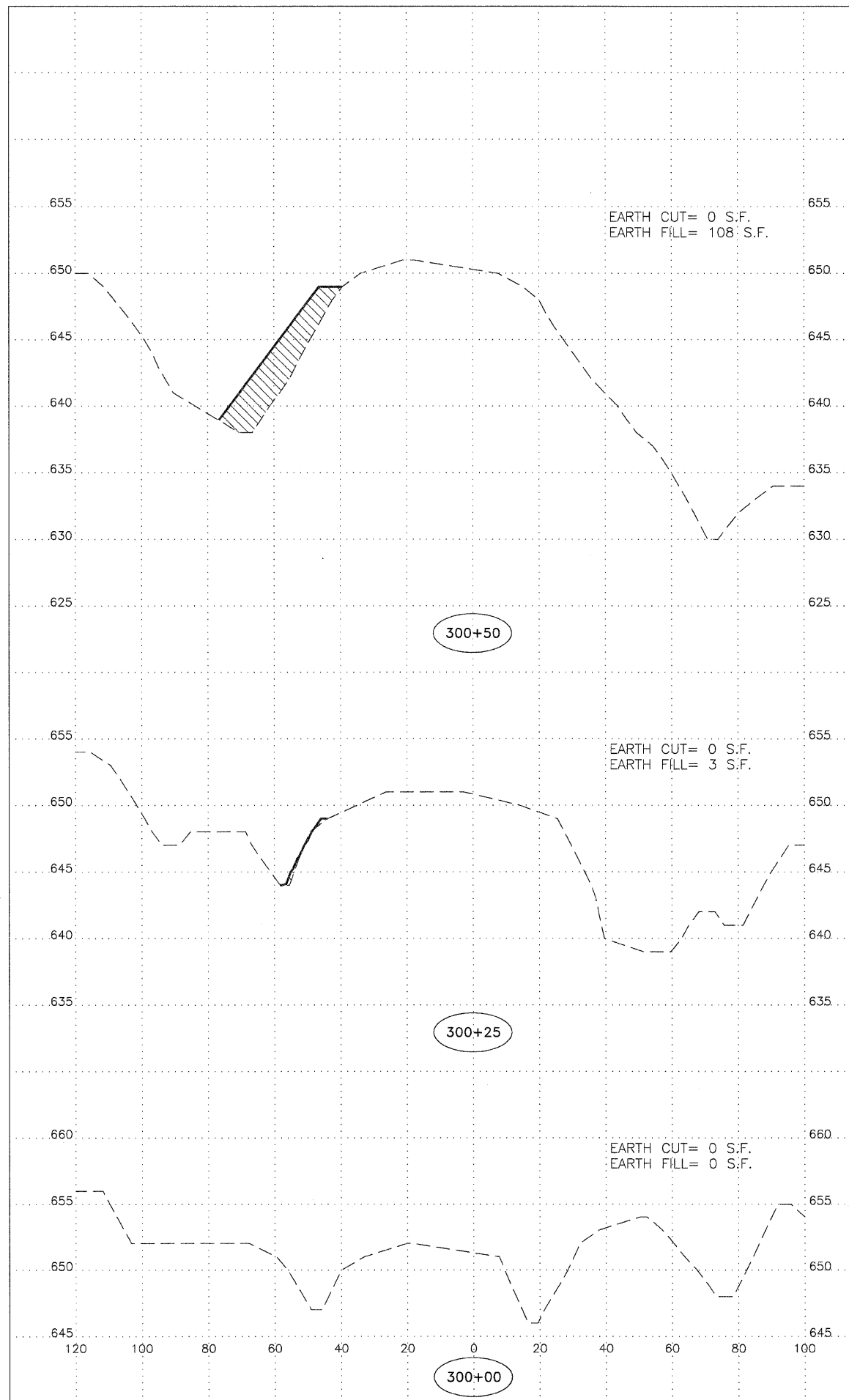


205+10

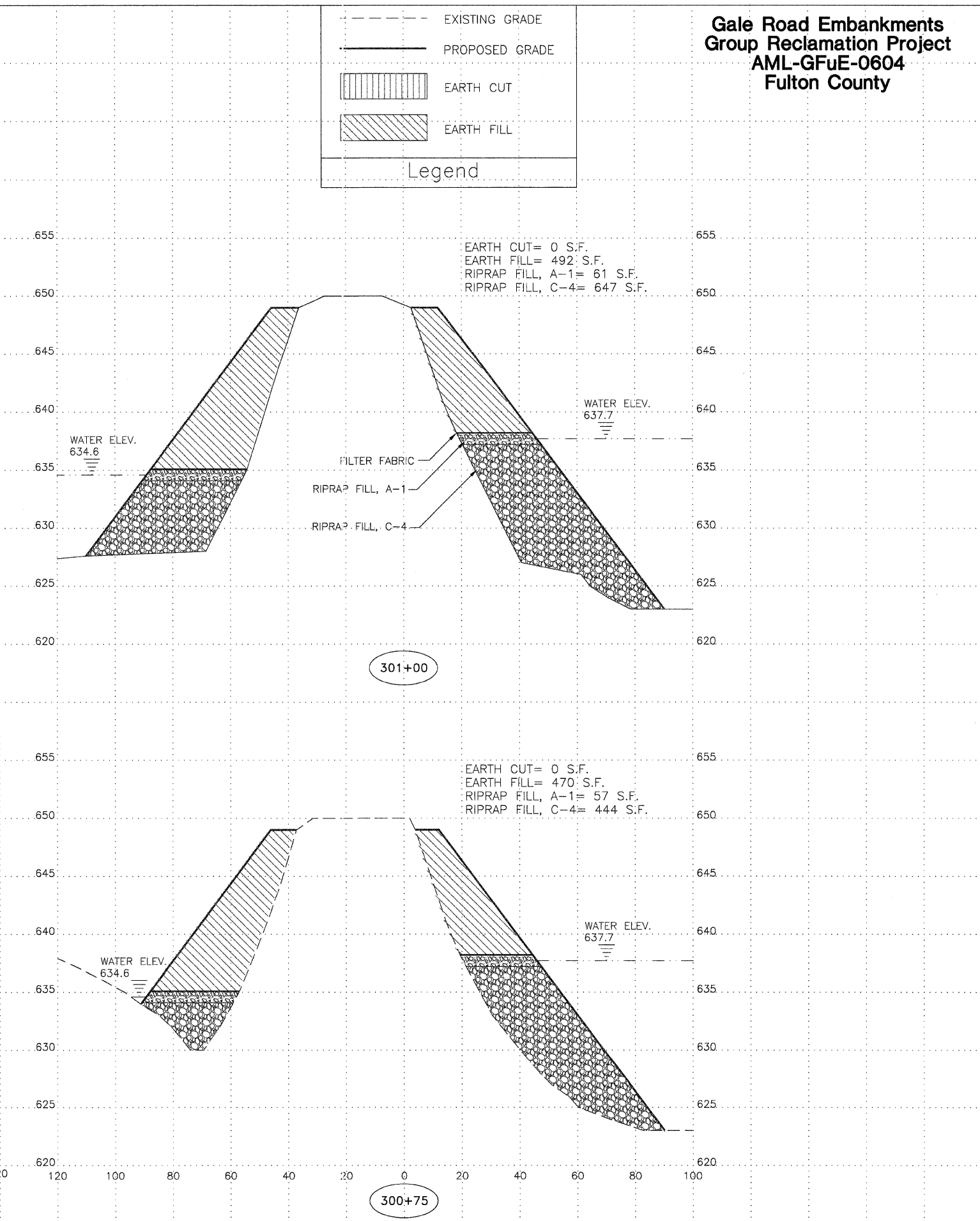
**Gale Road Embankments  
Group Reclamation Project  
AML-GFuE-0604  
Fulton County**

Legend



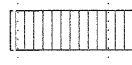
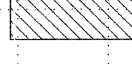
- EXISTING GRADE
- PROPOSED GRADE
- [Hatched Box] EARTH CUT
- [Cross-hatched Box] EARTH FILL

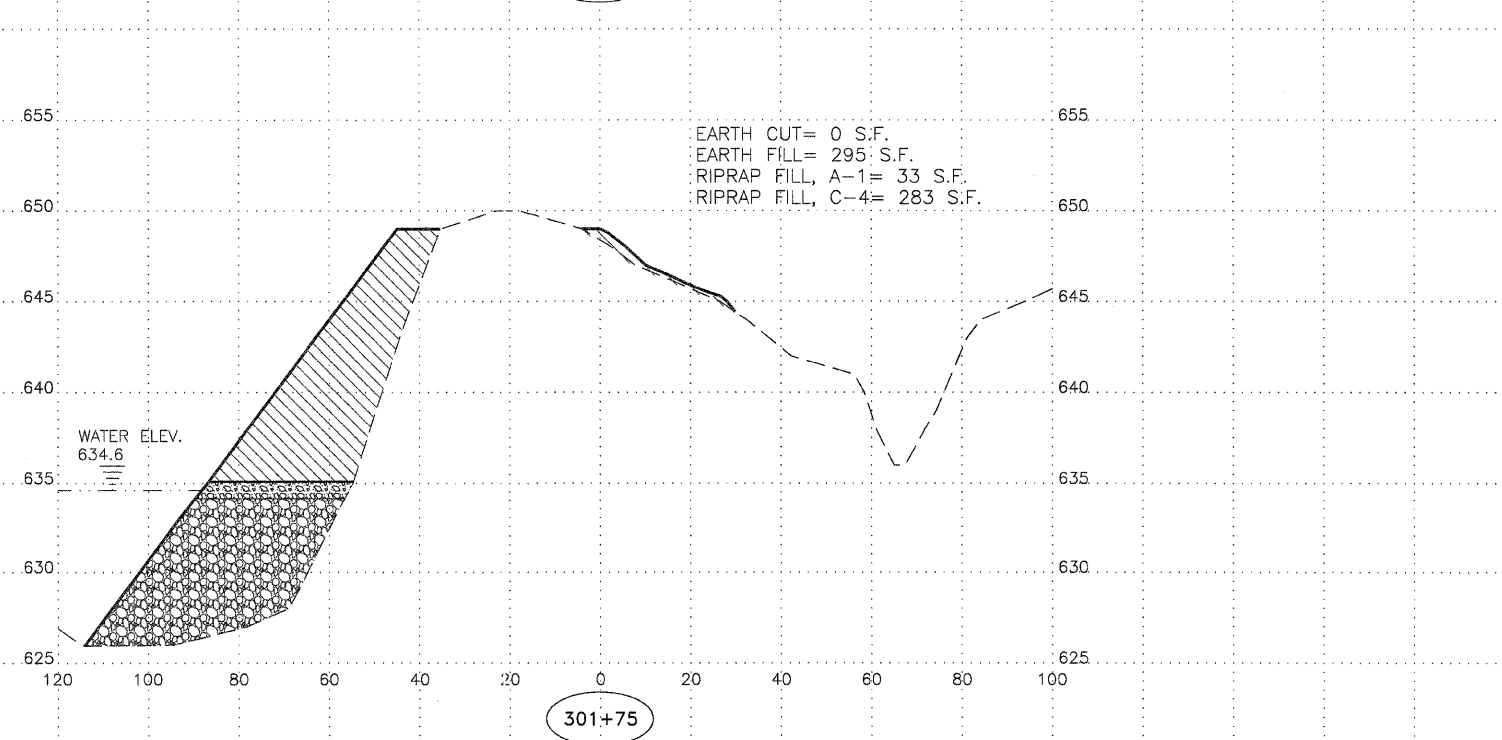
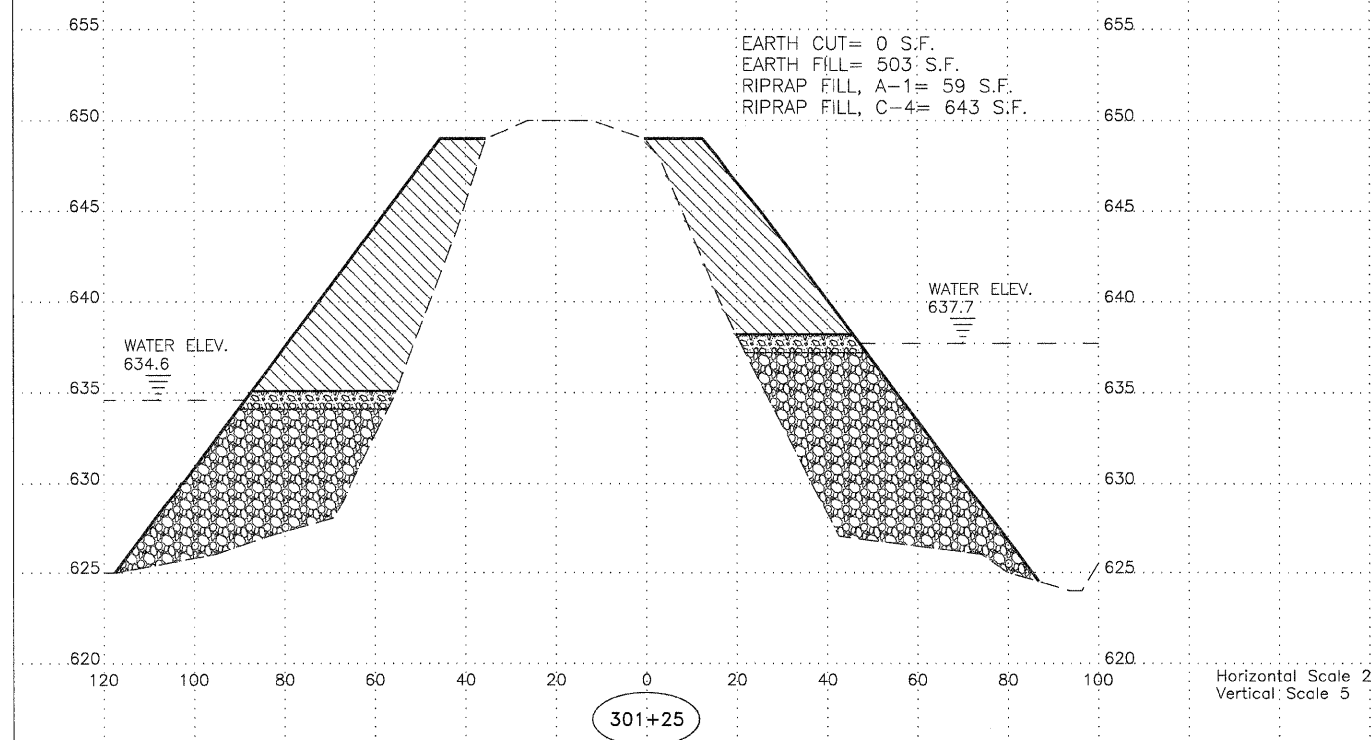
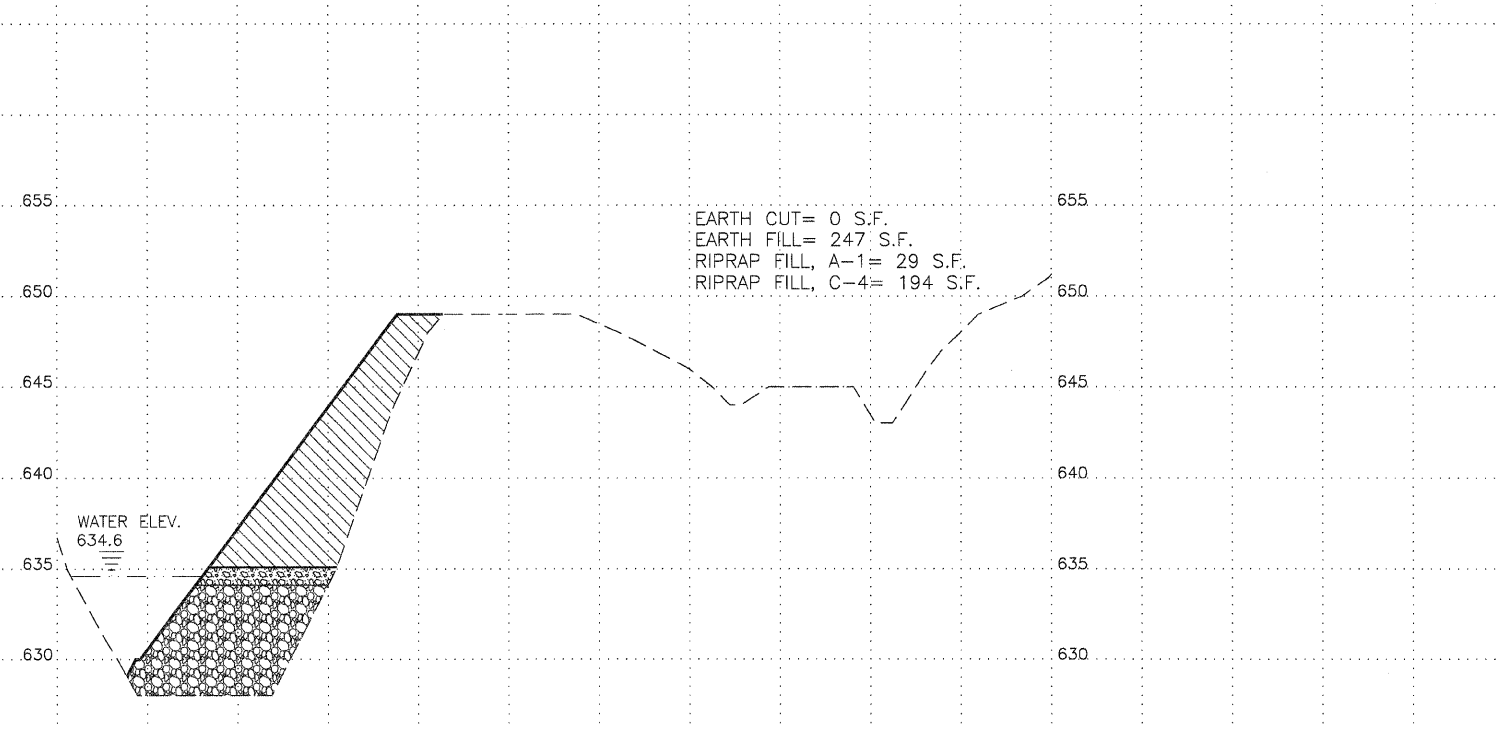
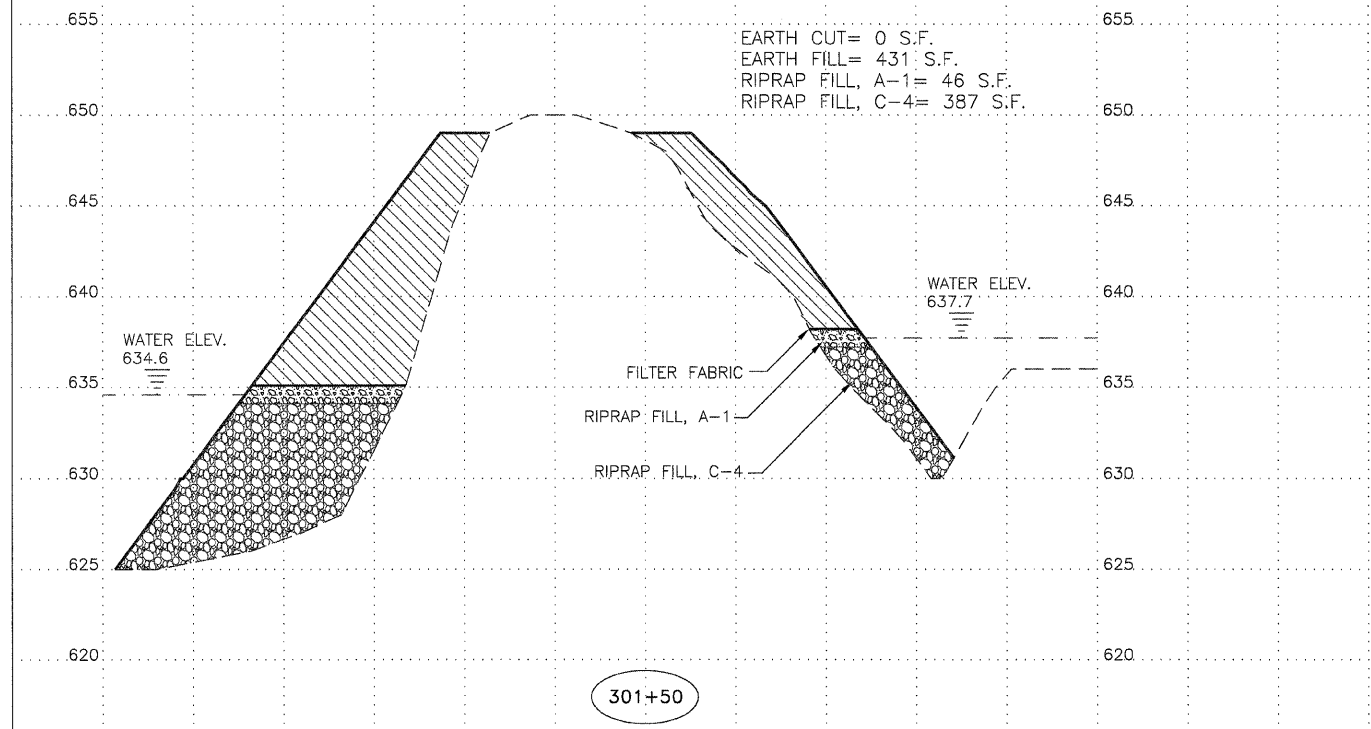


Horizontal Scale 20  
 Vertical Scale 5



**Gale Road Embankments  
Group Reclamation Project  
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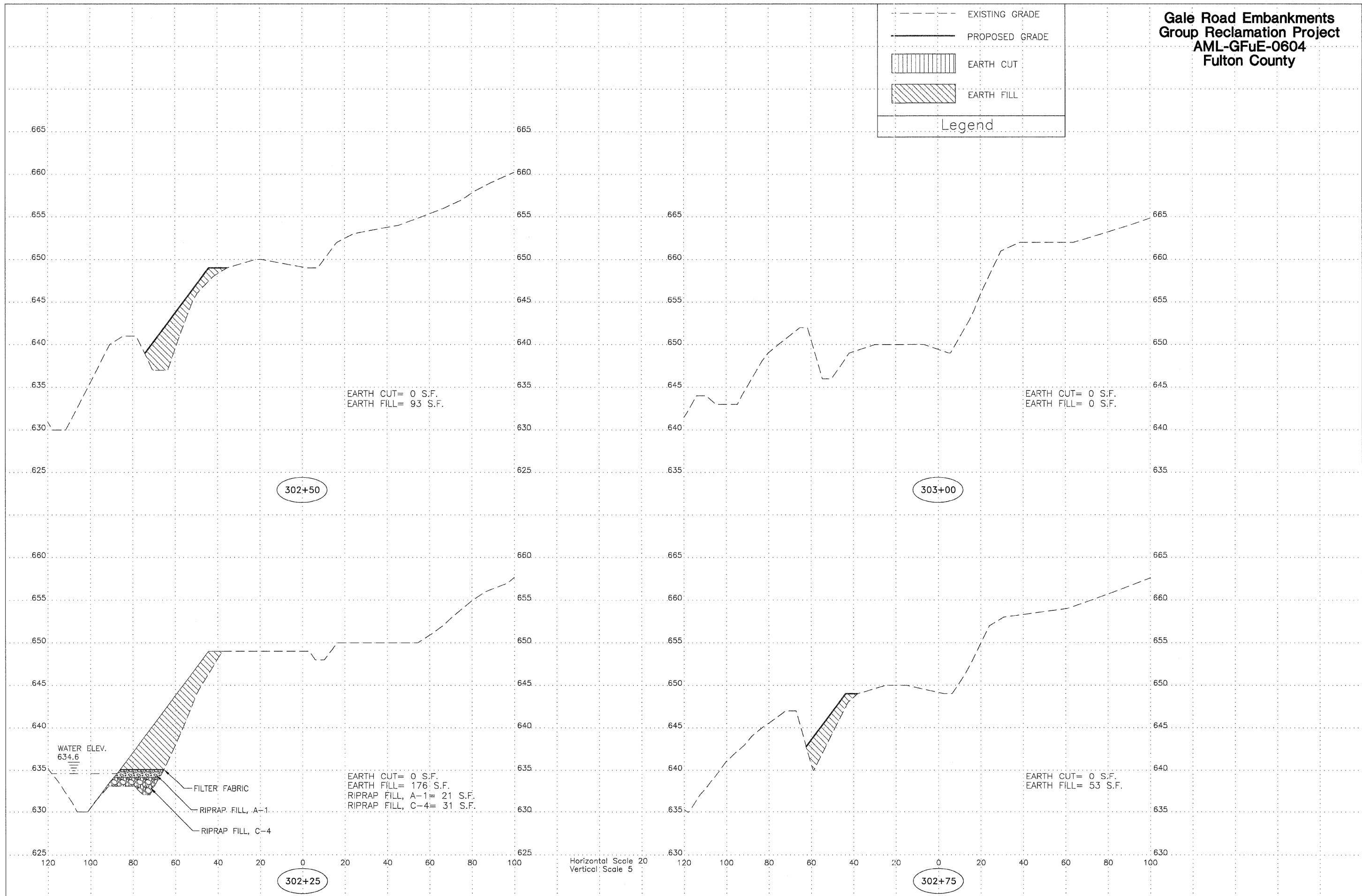
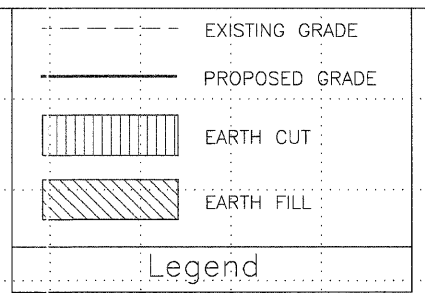
|   |                |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT      |
|  | EARTH FILL     |
| Legend  |                |



Horizontal Scale 20  
Vertical Scale 5



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EARTH CUT= 0 S.F.  
EARTH FILL= 93 S.F.

EARTH CUT= 0 S.F.  
EARTH FILL= 0 S.F.

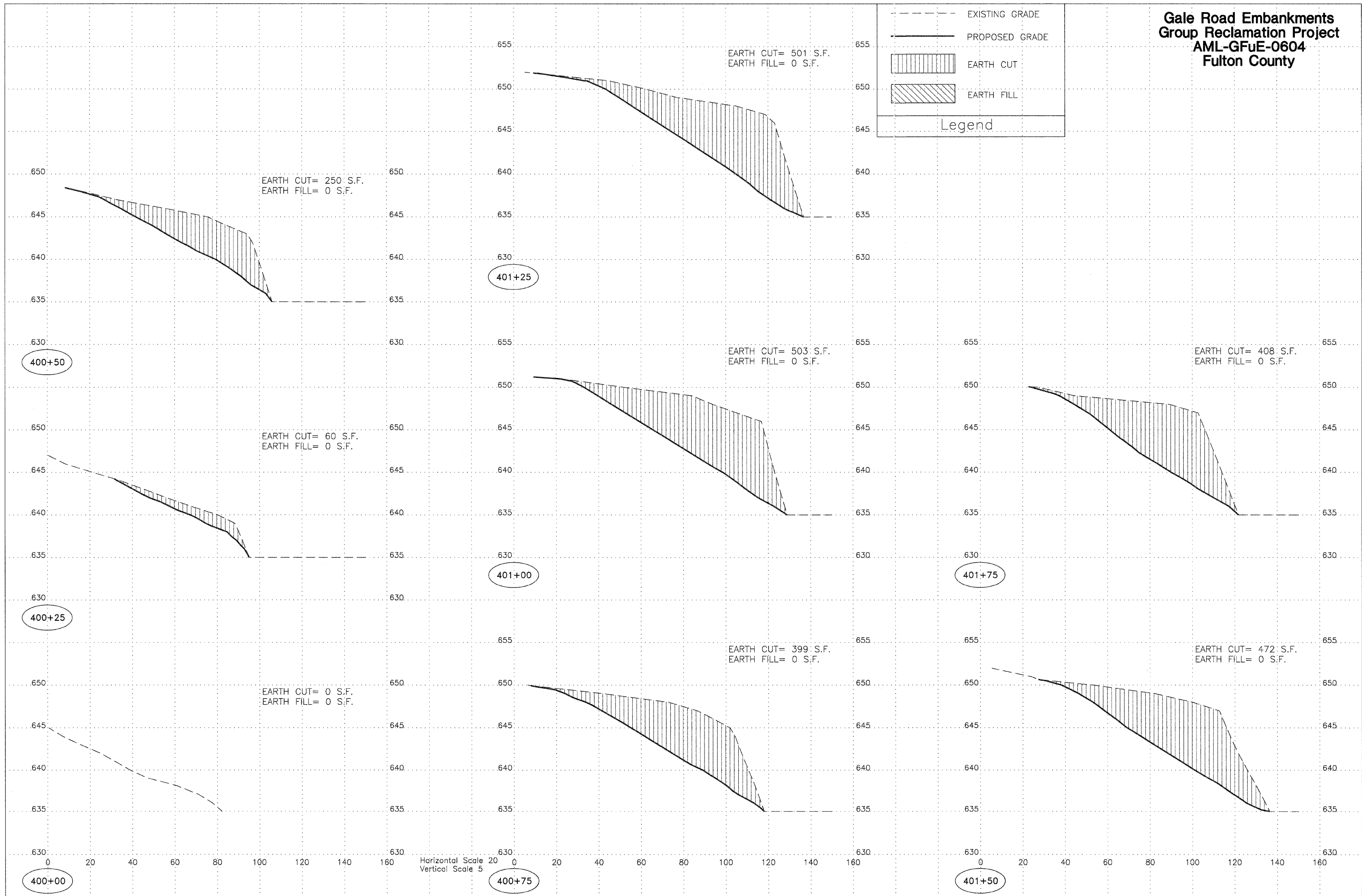
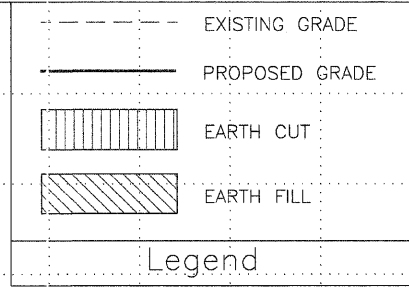
EARTH CUT= 0 S.F.  
EARTH FILL= 176 S.F.  
RIPRAP FILL, A-1= 21 S.F.  
RIPRAP FILL, C-4= 31 S.F.

EARTH CUT= 0 S.F.  
EARTH FILL= 53 S.F.

WATER ELEV.  
634.6

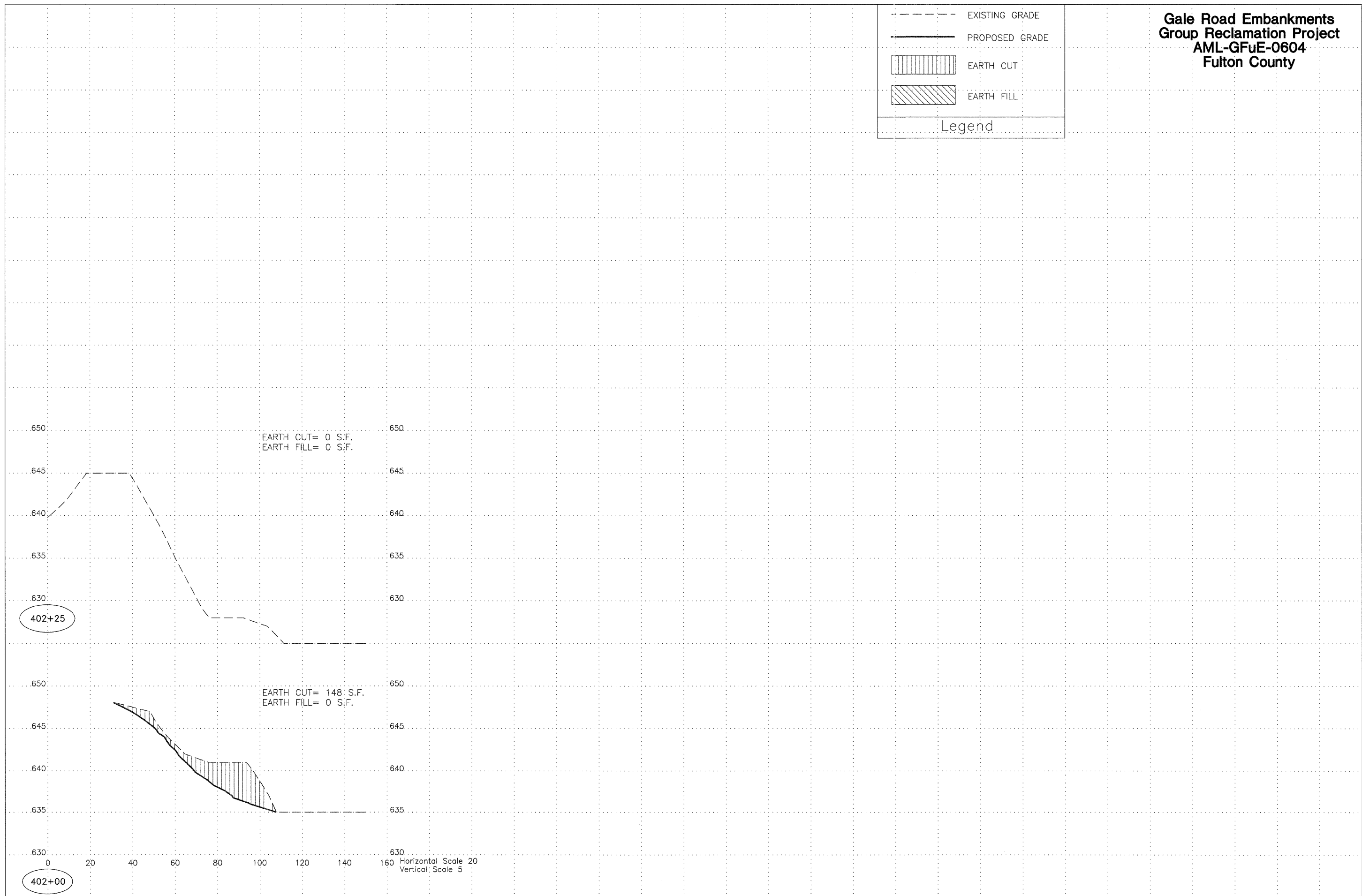
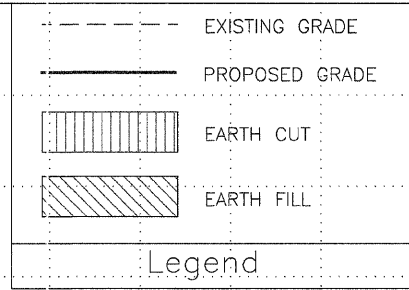
FILTER FABRIC  
RIPRAP FILL, A-1  
RIPRAP FILL, C-4

**Gale Road Embankments  
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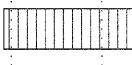
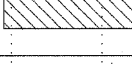


Horizontal Scale 20  
Vertical Scale 5

**Gale Road Embankments  
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**Gale Road Embankments  
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|   |                |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT      |
|  | EARTH FILL     |

Legend

