

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

Lowell Coal Company
Reclamation Project
AML-GLsE-0602
La Salle County
1LR

SCHEDULE OF DRAWINGS:

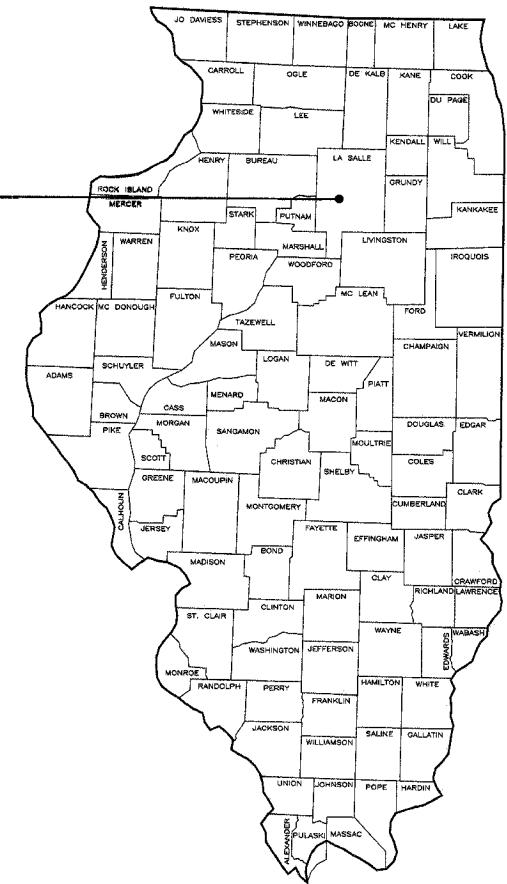
1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
- 3-5. Existing & Proposed Conditions
- 6-31. Cross Sections

Prepared By IDNR Staff

Approved for Bidding:

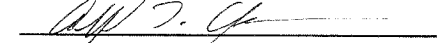

 Joseph R. Angleton, Director
 Office of Mines and Minerals

Lowell Coal Company
La Salle County

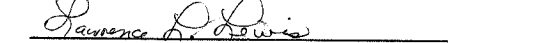


PRE-BID MEETING - A Pre-bid meeting is scheduled for this project at 10:00 A.M. Friday July 27, 2007 at the site.

Approved By:


 Alfred L. Clayborne, Manager
 AML Division

Approved By:


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



Summary of Quantities

| # | Item | Section | Quantity | Unit | Rates/Remarks |
|----|--|----------|----------|-------|--|
| 1 | Special Clearing | 201 | 1 | L.S. | |
| 2 | Earth Excavation | 202 | 166,224 | C.Y. | Compaction required in accordance with Sec. 205. |
| 3 | Seeding | 250 | 56.8 | Acre | See Schedule - This Sheet |
| 4 | Nitrogen Fertilizer Nutrient | 250 | 10,224 | Pound | 120 lbs./Acre |
| 5 | Phosphorous Fertilizer Nutrient | 250 | 4,260 | Pound | 50 lbs./Acre |
| 6 | Potassium Fertilizer Nutrient | 250 | 18,744 | Pound | 220 lbs./Acre |
| 7 | Agricultural Ground Limestone | 250 | 113.6 | Ton | 4 Tons/Acre |
| 8 | Mulch, Method 2, Procedure 1 | IDOT 251 | 56.8 | Acre | 2 Tons/Acre |
| 9 | Erosion Control Blanket | IDOT 251 | 1,951 | S.Y. | |
| 10 | Incorporation - Limestone | 256 | 1,136 | Ton | 40 Tons/Acre |
| 11 | Incorporation - Mulch | 256 | 56.8 | Ton | 2 Tons/Acre |
| 12 | Green Manuring | 257 | 28.4 | Acre | See "Special Note" Below |
| 13 | Mowing | 258 | 28.4 | Acre | |
| 14 | Perimeter Erosion Barrier | 280 | 1,040 | Foot | |
| 15 | Stone Riprap A-3 | IDOT 281 | 847 | S.Y. | |
| 16 | Filter Fabric for use with Riprap | IDOT 282 | 847 | S.Y. | |
| 17 | Pipe Culvert 30" Corrugated Polyethylene (PE) with Smooth Interior | IDOT 542 | 36 | Foot | |
| 18 | Dewatering Impoundment 1 | 614 | 1 | L.S. | |
| 19 | Dewatering Impoundment 2 | 614 | 1 | L.S. | |
| 20 | Mobilization (Max. 6% of Bid) | 671 | 1 | L.S. | |

Special Note: Based on the success of the First seeding (March 1, - April 20, 2008) the Department reserves the right to delete the Second seeding, fertilizing, mulching and Green Manuring (August 1, - September 1, 2008) and all costs associated with the work, with no penalty to the Department. The fertilization and Mowing scheduled for (April 1, - May 1, 2009) would then be changed to (August 1, - September 1, 2008).

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing

| ITEM (unit) | March 1, - April 20, 2008 | August 1, - September 1, 2008 | April 1, - May 1, 2009 | TOTAL QUANTITY |
|--|-------------------------------|--|-------------------------------|----------------|
| SEEDING (acres) | 28.4 Acres | 28.4 Acres | | 56.8 Acres |
| AGRICULTURAL GROUND LIMESTONE (tons) | 56.8 Tons 2 Tons/Acre | 56.8 Tons 2 Tons/Acre (for Green Manuring) | | 113.6 Tons |
| NITROGEN FERTILIZER NUTRIENT (pounds) | 3,408 Pounds 120 Lbs./Acre | 3,408 Pounds 120 Lbs./Acre | 3,408 Pounds 120 Lbs./Acre | 10,224 Pounds |
| PHOSPHOROUS FERTILIZER NUTRIENT (pounds) | 1,420 Pounds 50 Lbs./Acre | 1,420 Pounds 50 Lbs./Acre | 1,420 Pounds 50 Lbs./Acre | 4,260 Pounds |
| POTASSIUM FERTILIZER NUTRIENT (pounds) | 6,248 Pounds 220 Lbs./Acre | 6,248 Pounds 220 Lbs./Acre | 6,248 Pounds 220 Lbs./Acre | 18,744 Pounds |
| MULCH, METHOD 2 PROCEDURE 1 (acres) | 28.4 Acres 2 Tons/Acre | 28.4 Acres 2 Tons/Acre | | 56.8 Acres |
| MOWING (acres) | | | 28.4 Acres | 28.4 Acres |
| GREEN MANURING | | 28.4 Acres | | 28.4 Acres |

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.

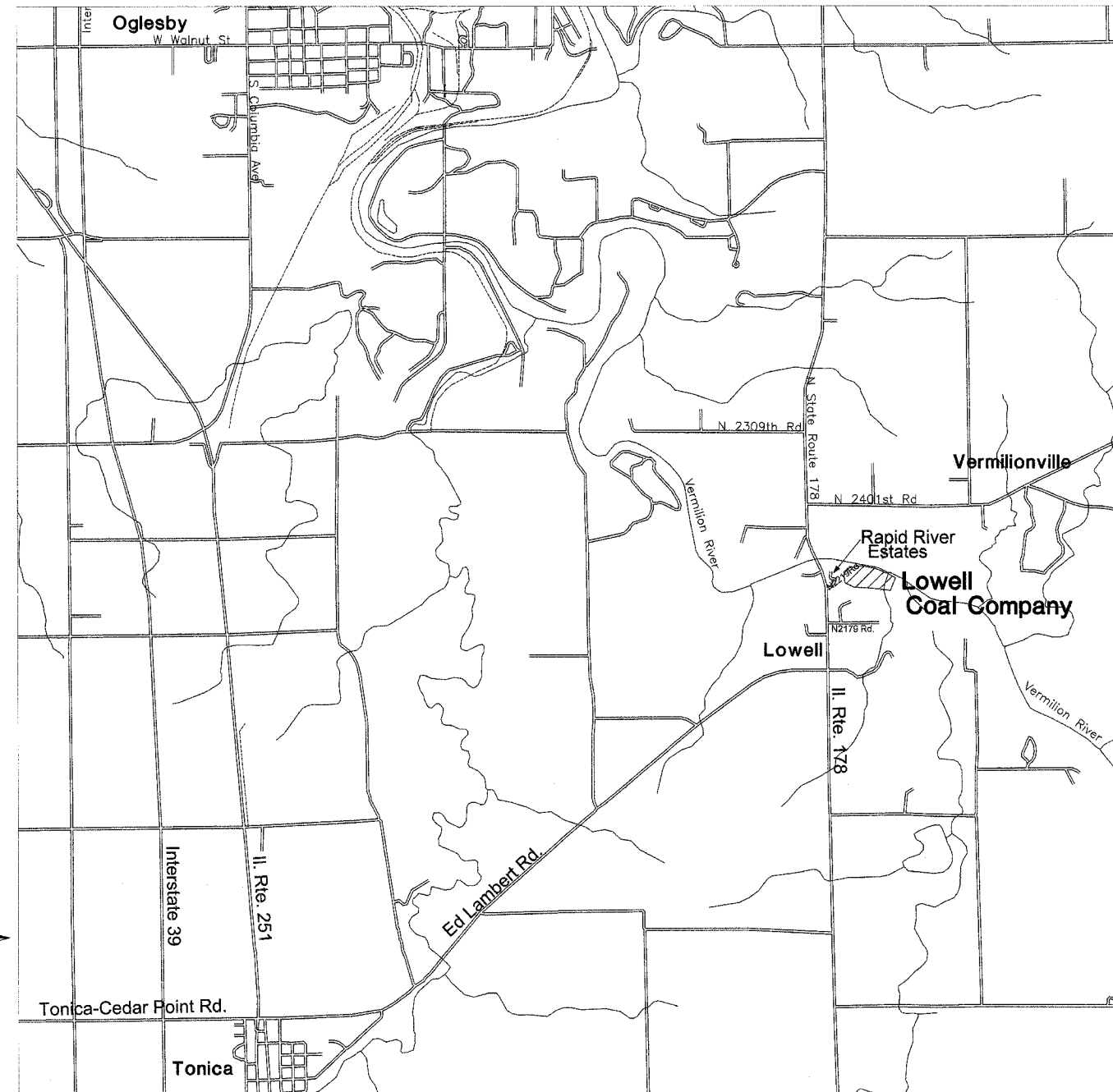
The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

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

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.

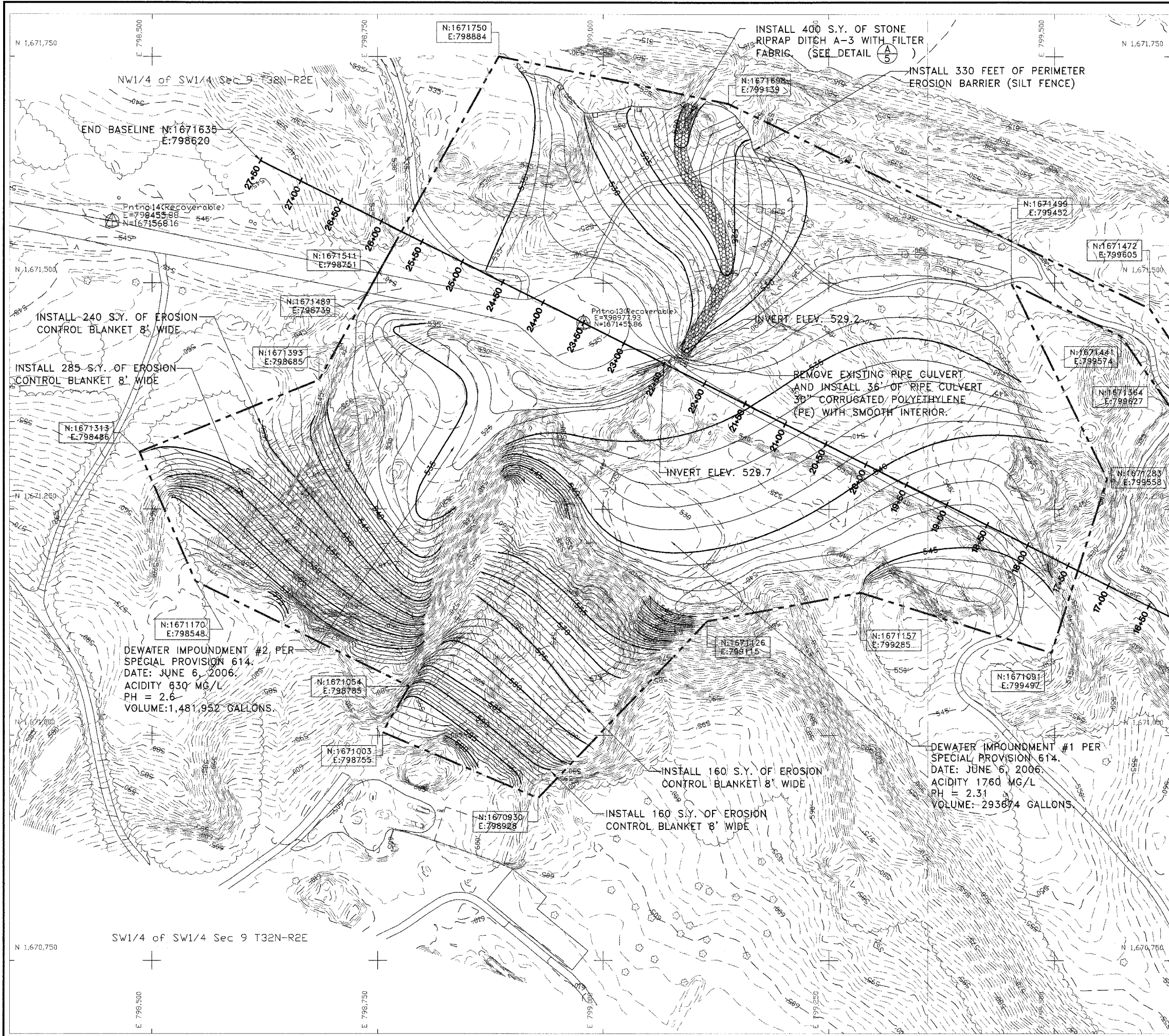
TREE REMOVAL--Trees removed shall be disposed of onsite per Section 201 of the Special Provisions. Clearing of trees shall be completed between Oct 1 and March 31.

ACID WATER TREATMENT--If acid mine drainage treatment is determined necessary by the engineer, and not otherwise specified in the plans, any water treatment will be paid for in accordance with Article 109.04 of the Standard Specifications.

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.



SEE SHEET 4

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

Legend

Lowell Coal Co.

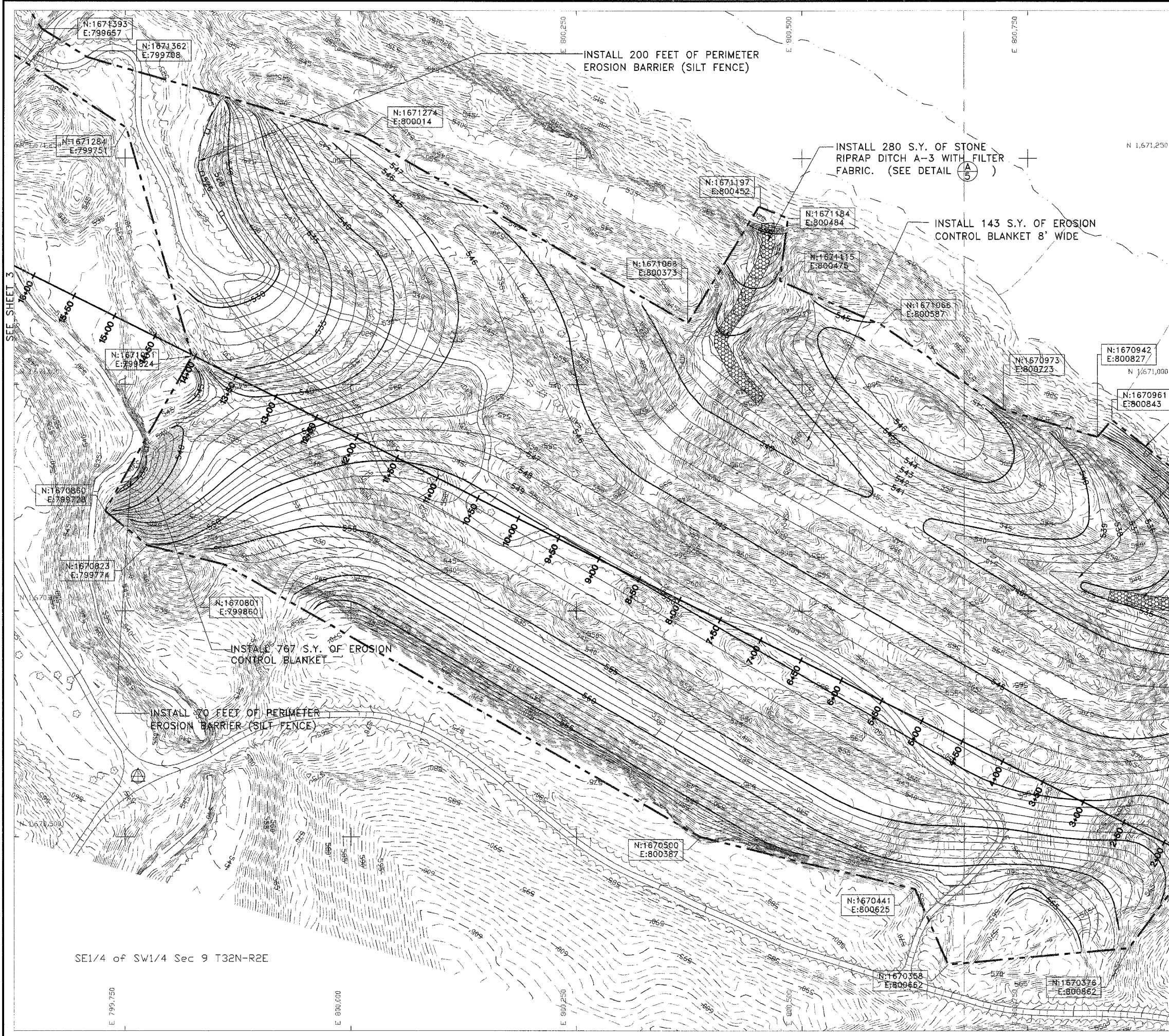
SCALE IN FEET

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Department of Natural Resources

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AML-GLSE-0602
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Drawn By: M-LF, V.P.
Checked By: _____
Date: 6/22/2007

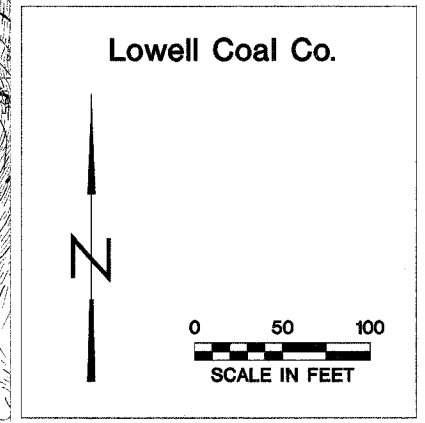
Existing & Proposed
Conditions
Sheet
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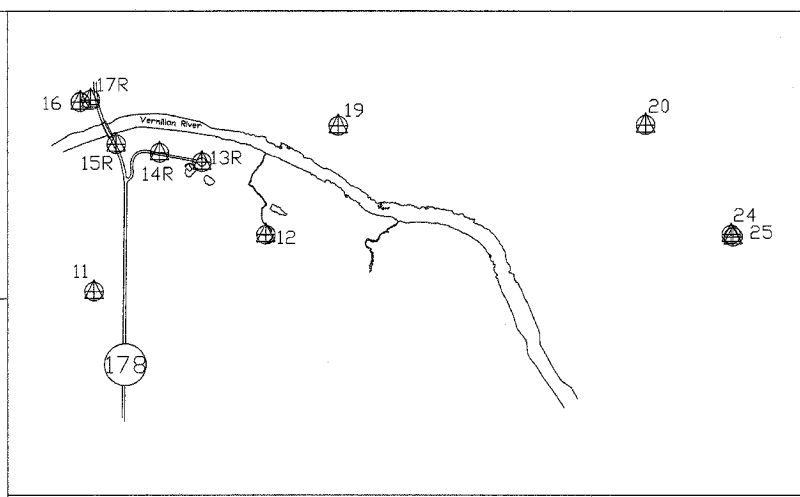
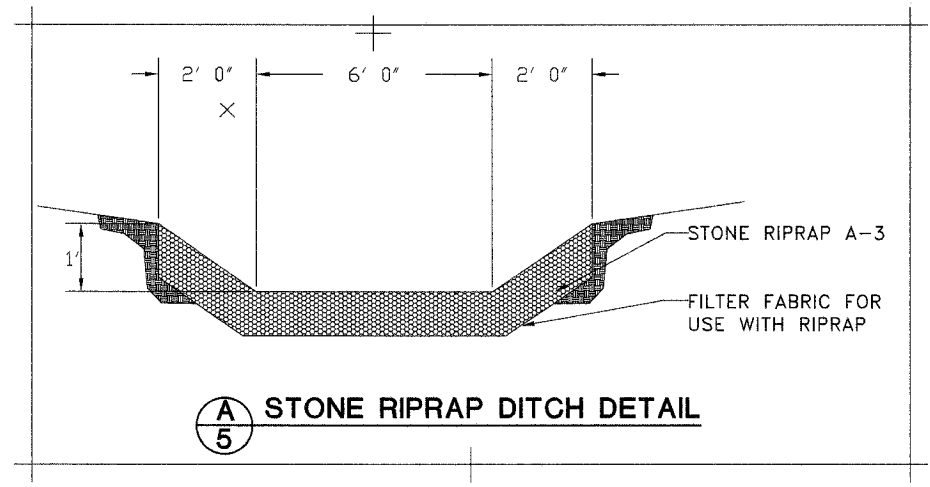
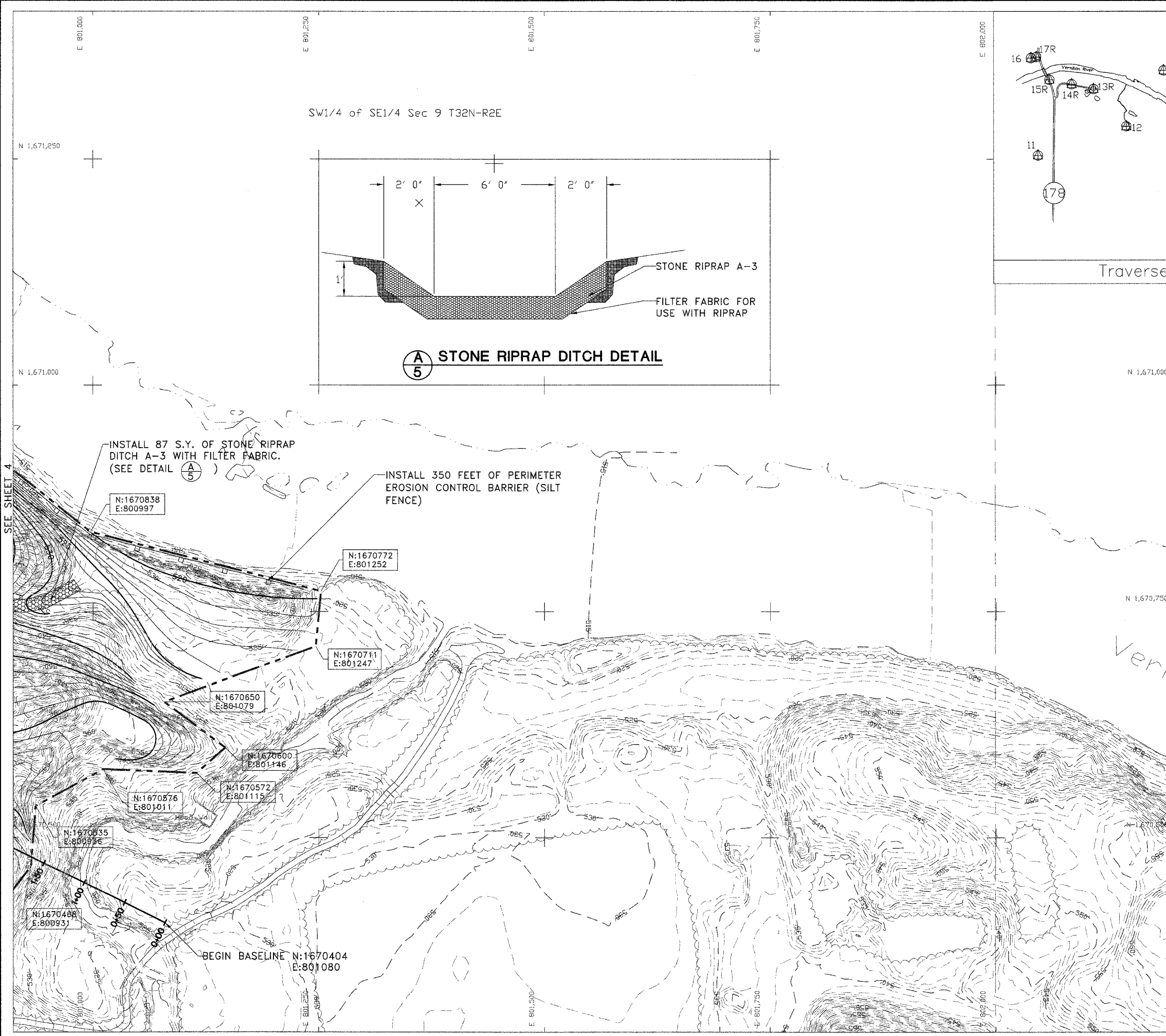


SEE SHEET 5

| | |
|-----------|----------------------|
| — 500' — | EXISTING CONTOUR |
| — 525' — | PROPOSED CONTOUR |
| - - - - - | CONSTRUCTION LIMITS |
| — — — — — | EDGE OF ROAD |
| ~~~~~ | TREELINE |
| - - - - - | EDGE OF WATER |
| ⊕ | SURVEY CONTROL POINT |

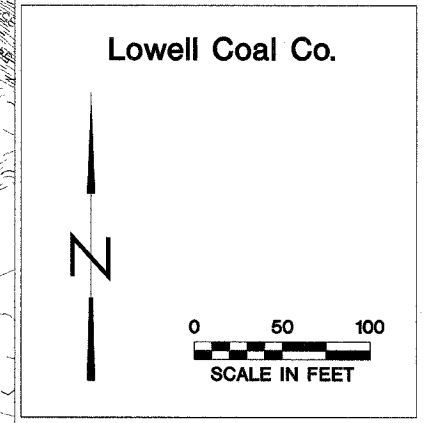
Legend





Legend

| | |
|--------------|----------------------|
| --- 500' --- | EXISTING CONTOUR |
| --- 525' --- | PROPOSED CONTOUR |
| --- | CONSTRUCTION LIMITS |
| --- | EDGE OF ROAD |
| ~~~~~ | TREELINE |
| --- | EDGE OF WATER |
| ⊕ | SURVEY CONTROL POINT |



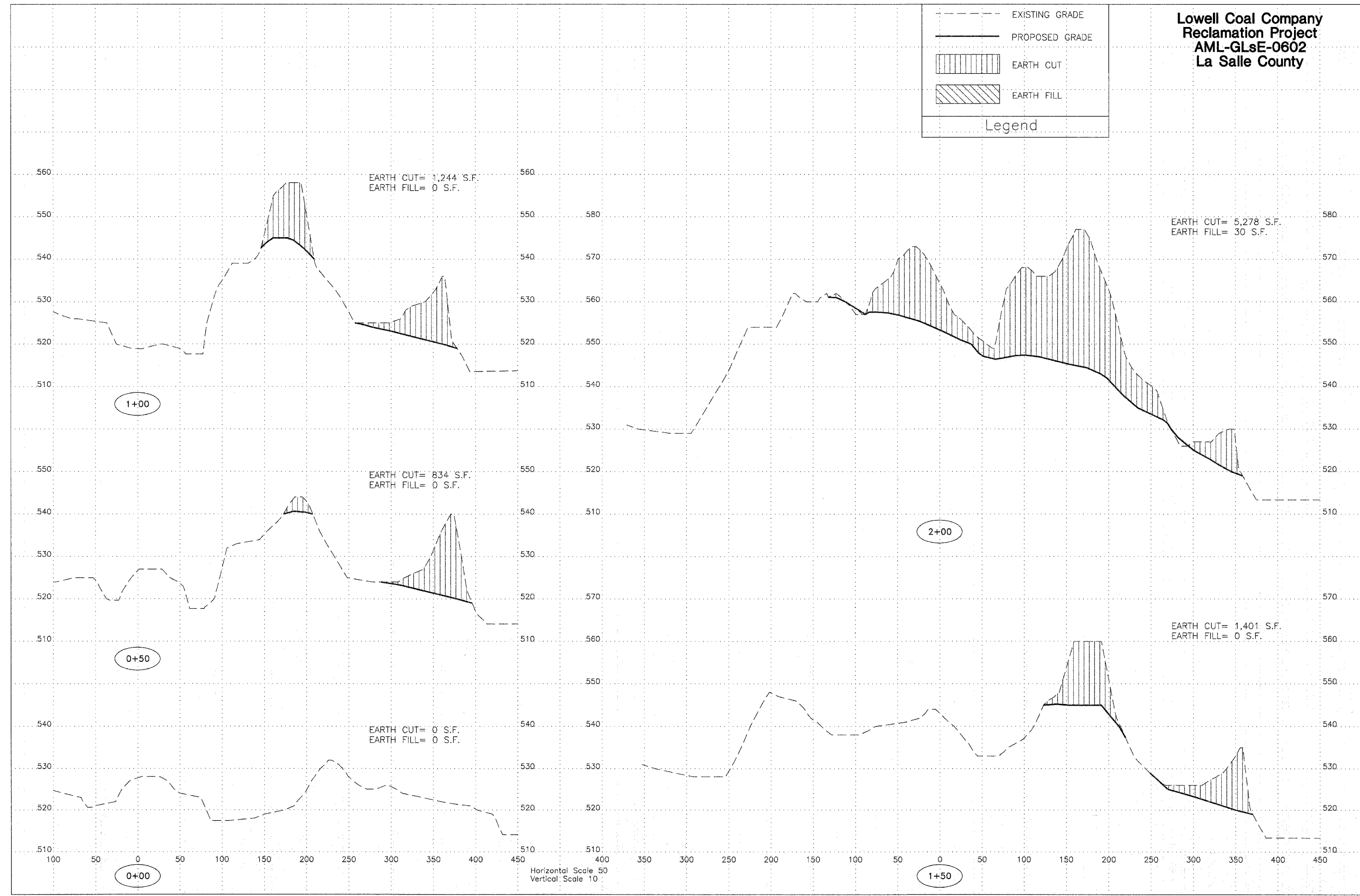
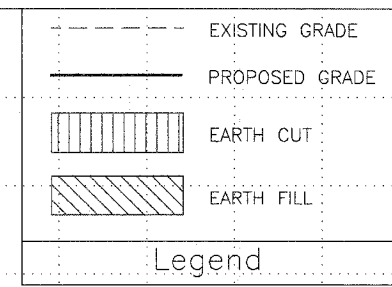
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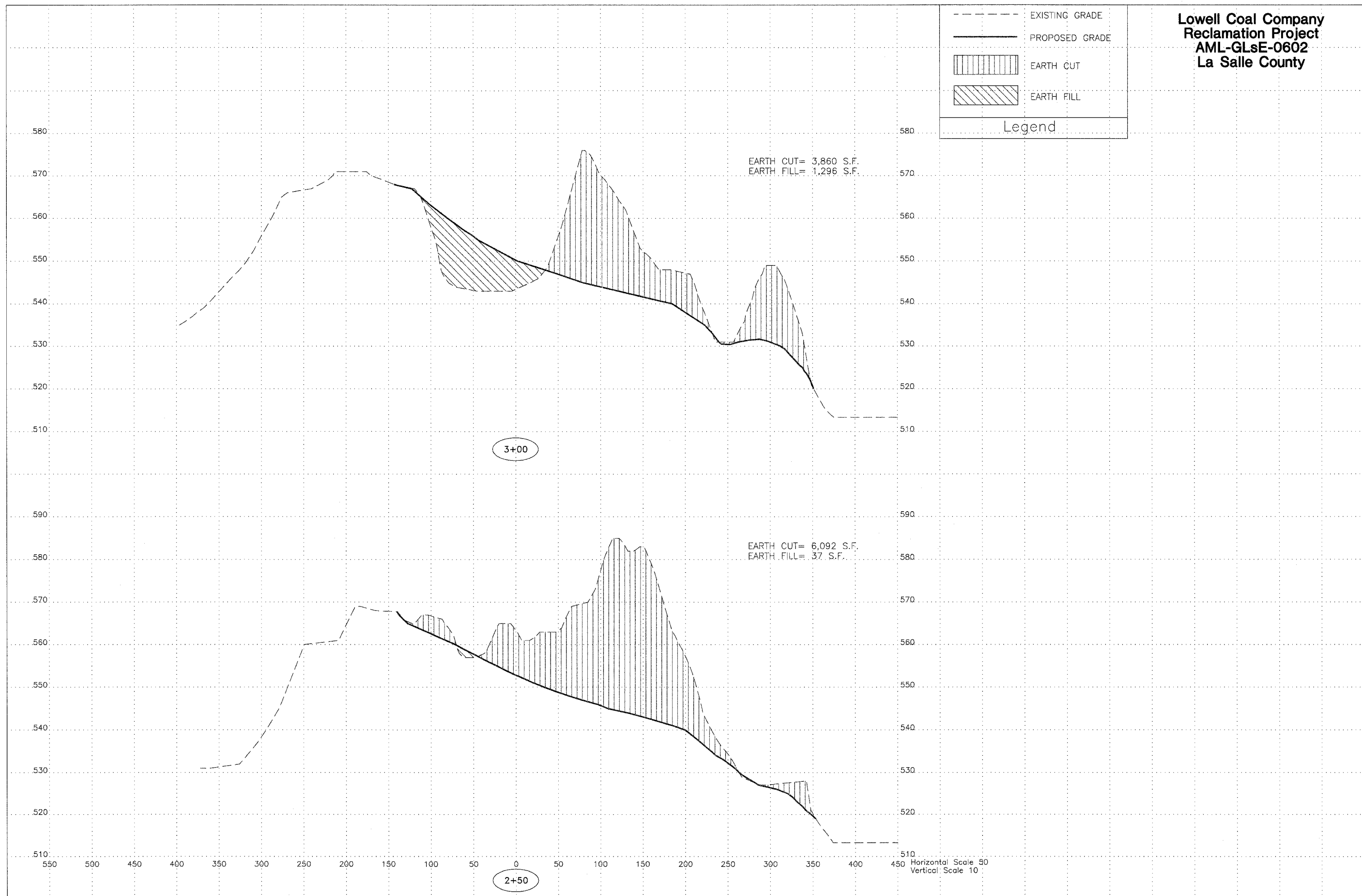
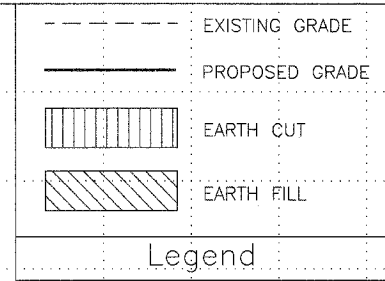
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Existing & Proposed
 Conditions
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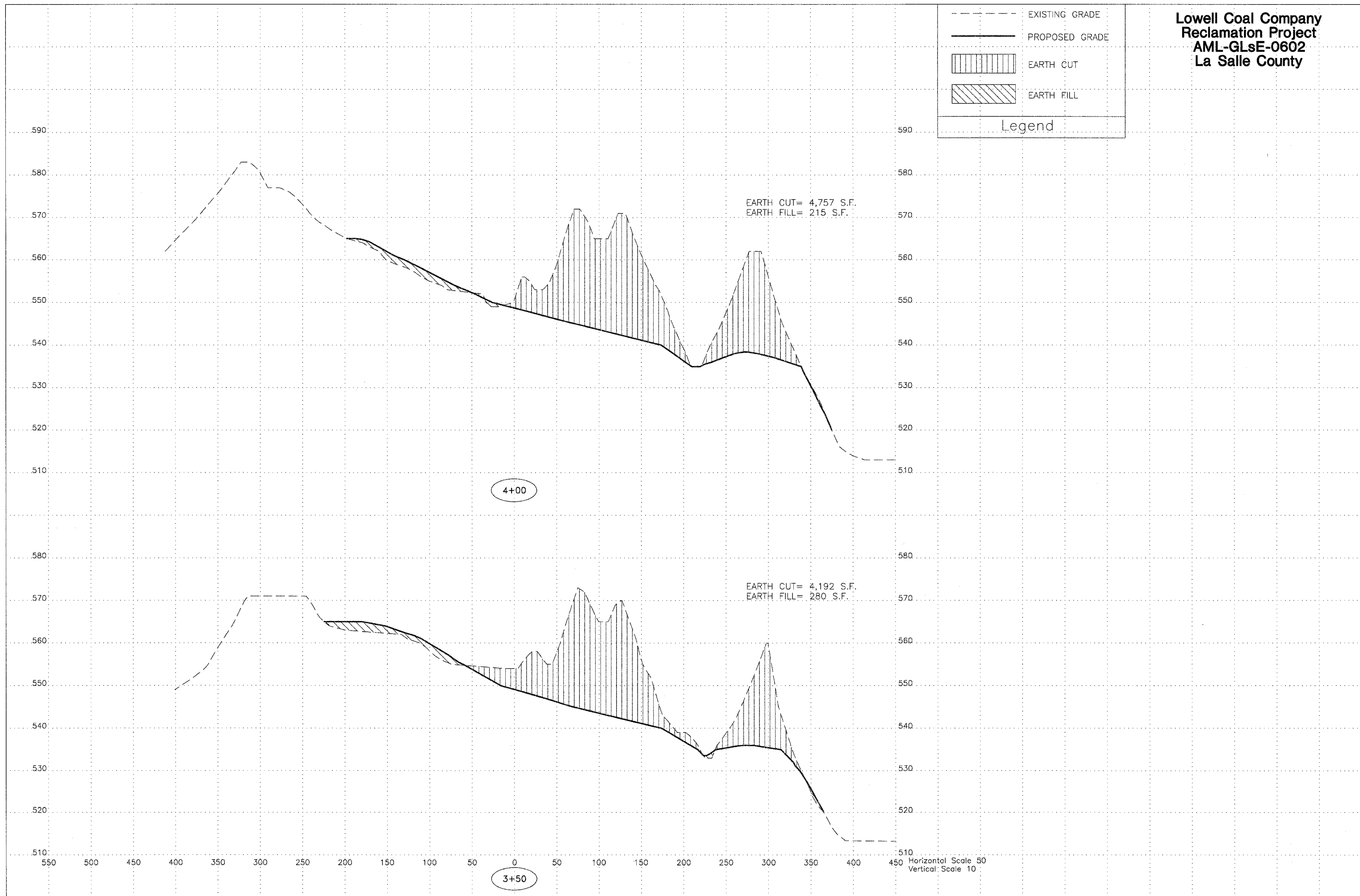
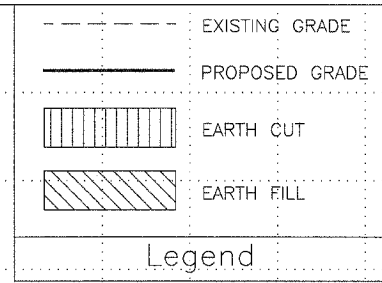
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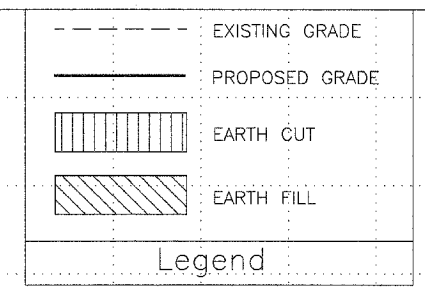
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EARTH FILL= 1,628 S.F.

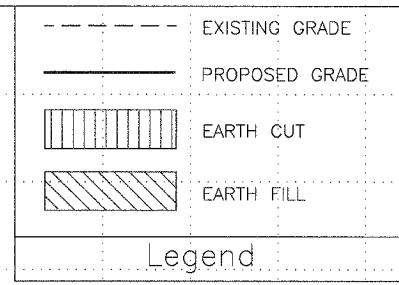
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EARTH FILL= 697 S.F.

5+00

4+50

Horizontal Scale 50
Vertical Scale 10

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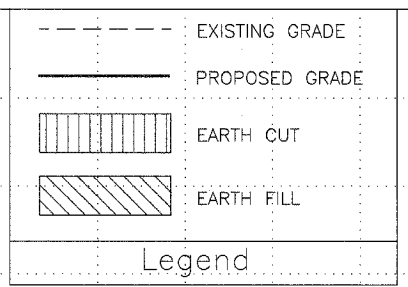
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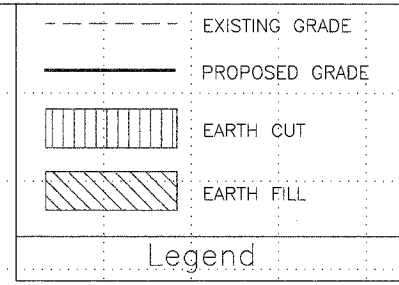
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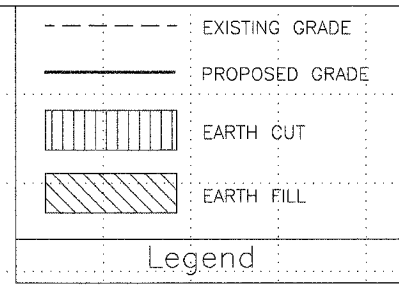
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7+50

Horizontal Scale 50
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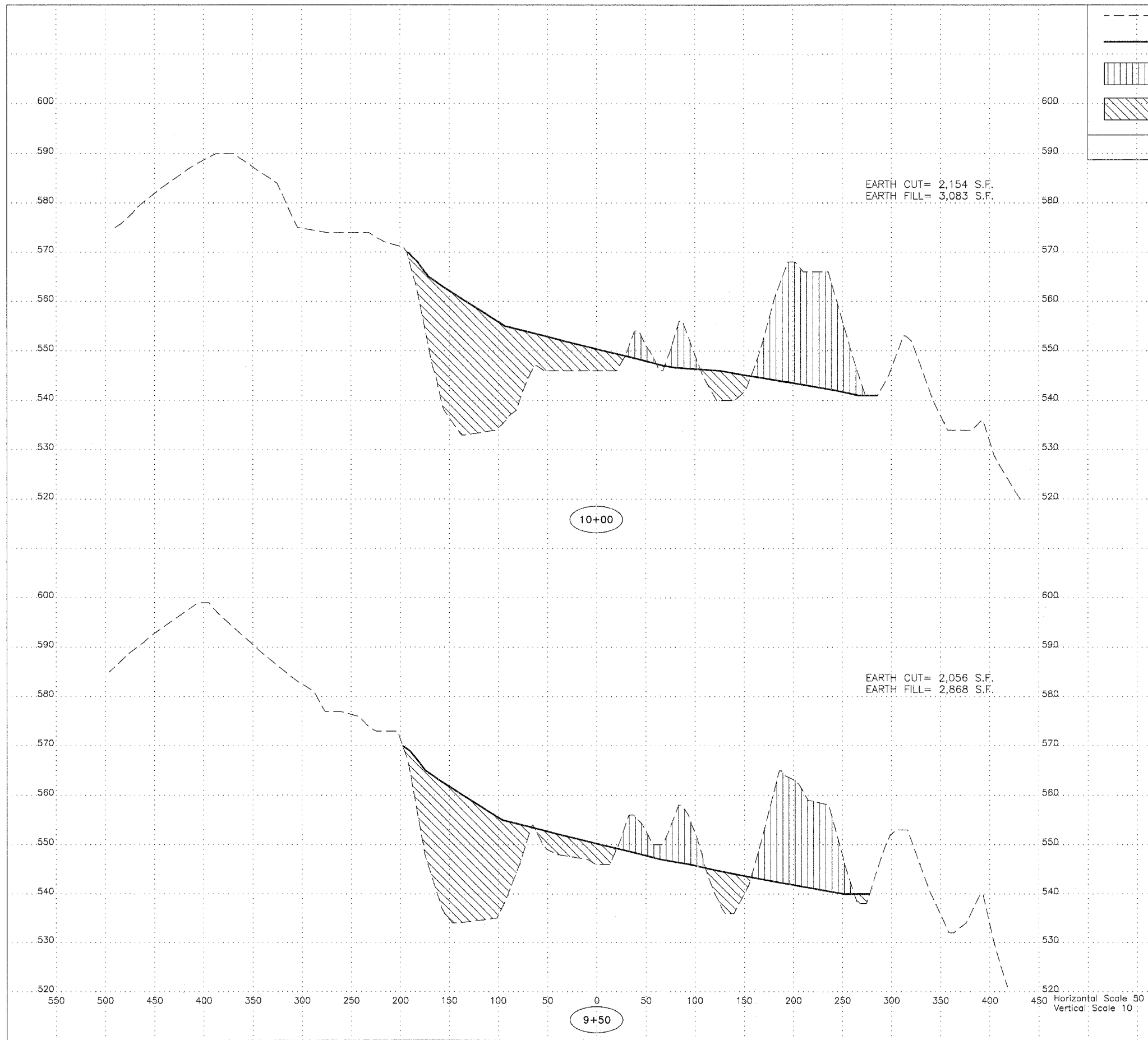
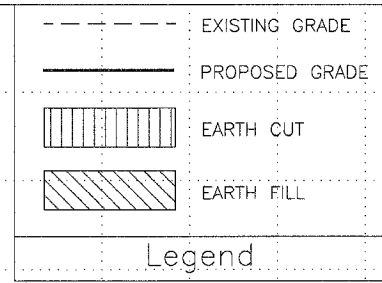
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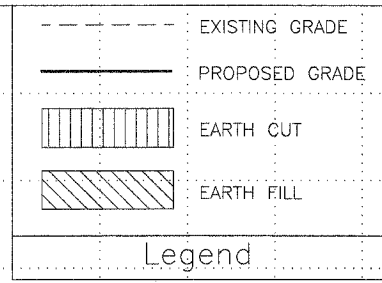
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Horizontal Scale 50
 Vertical Scale 10

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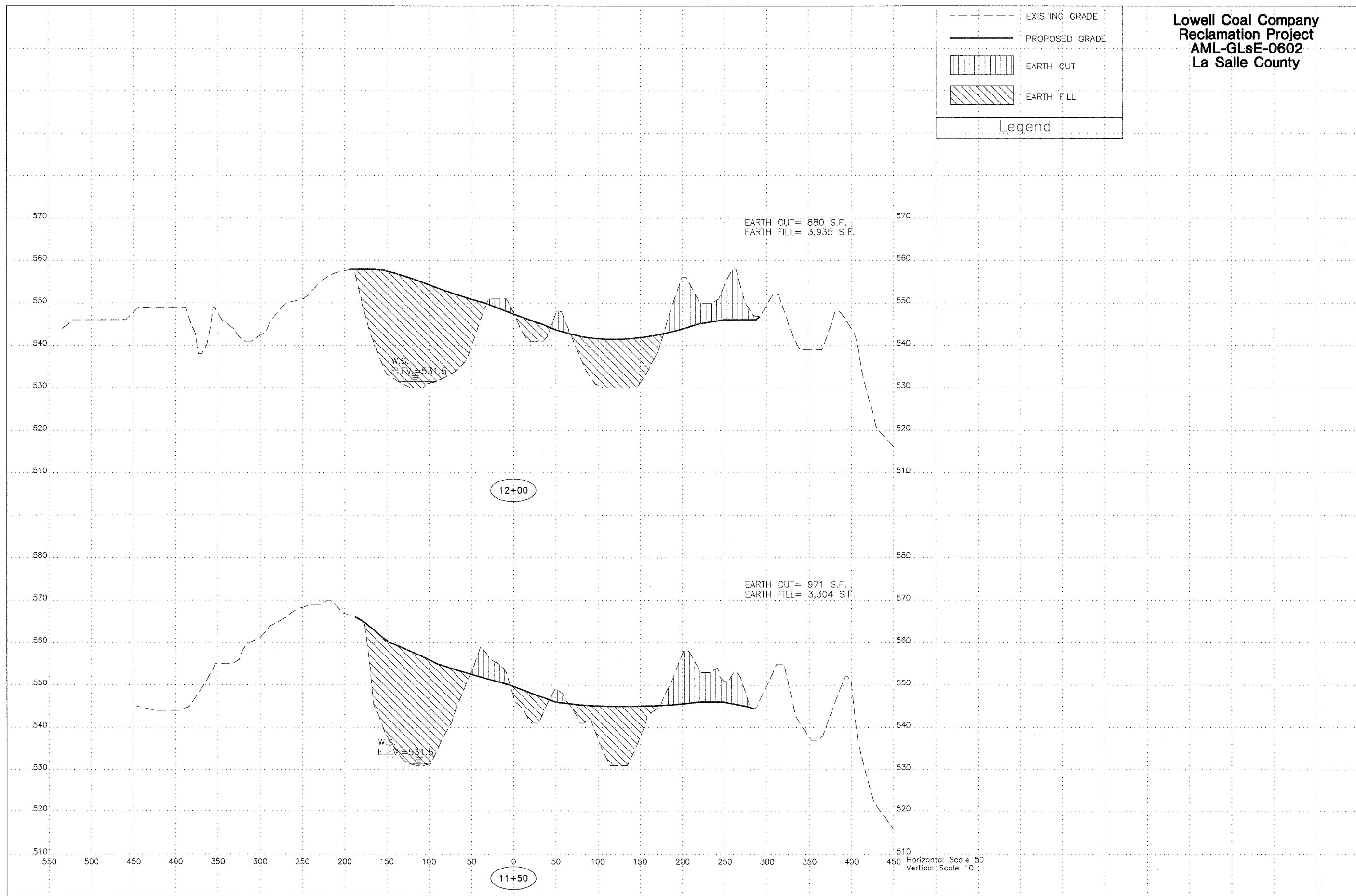
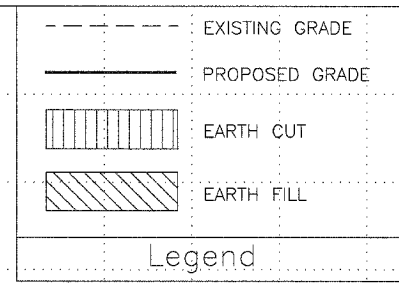
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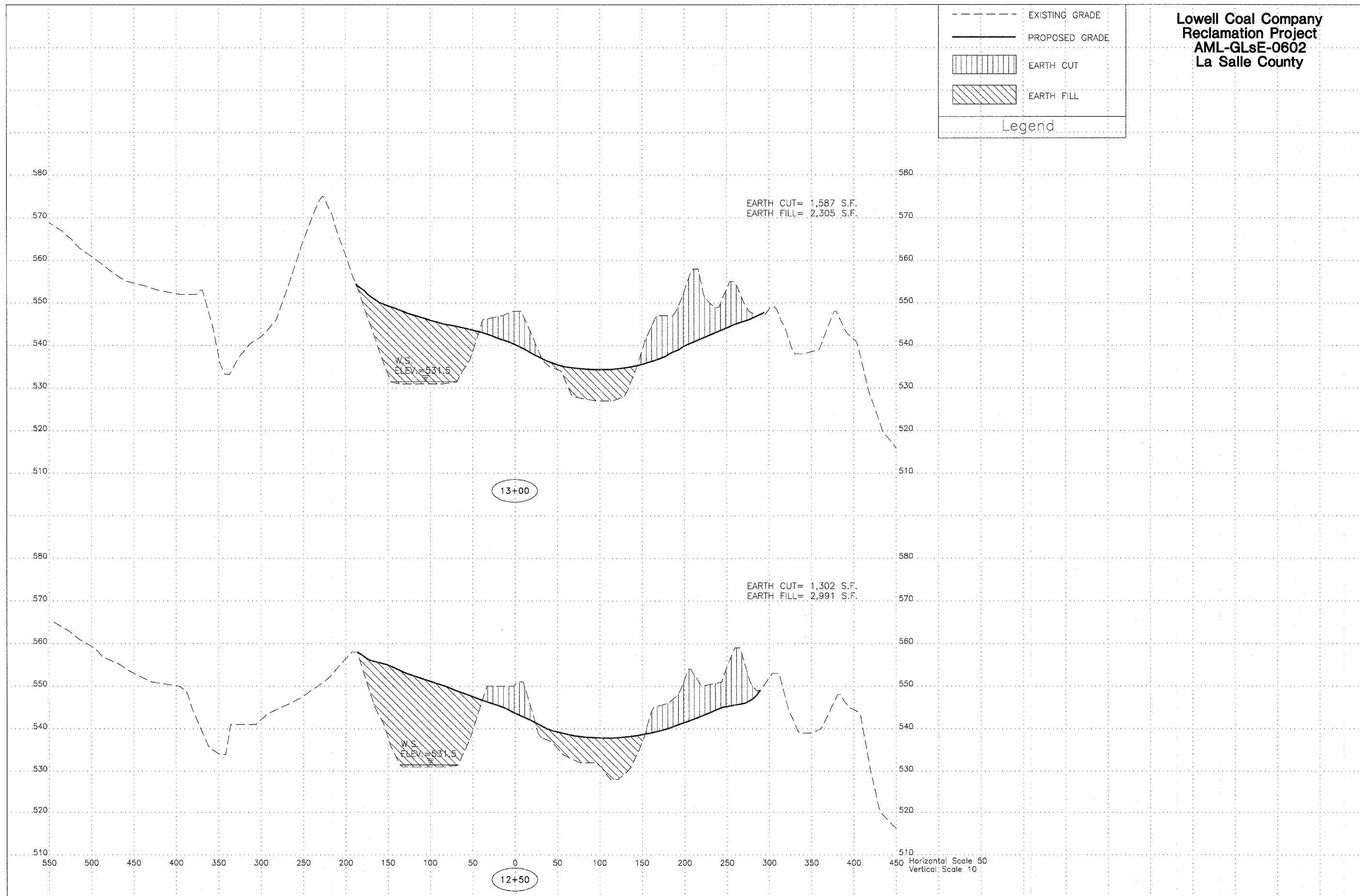
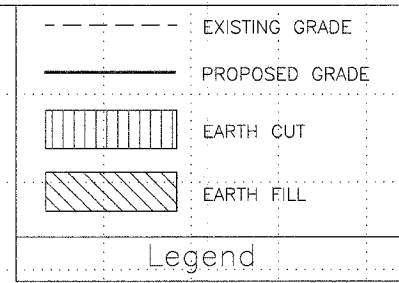
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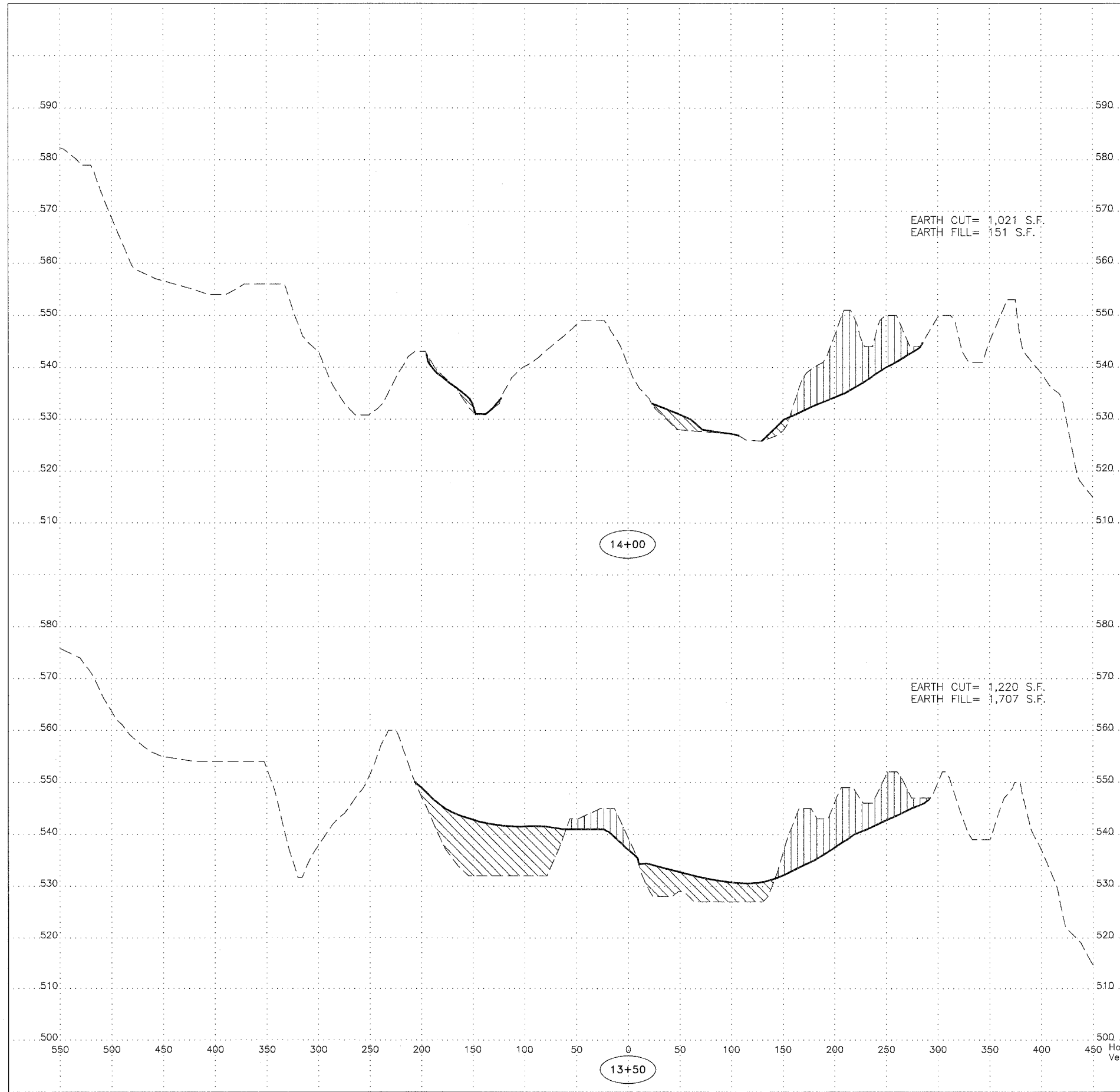
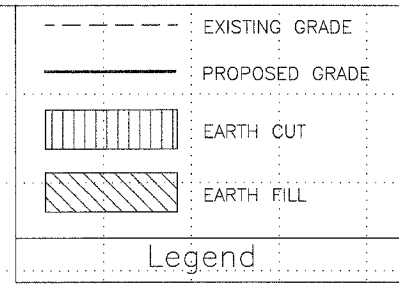
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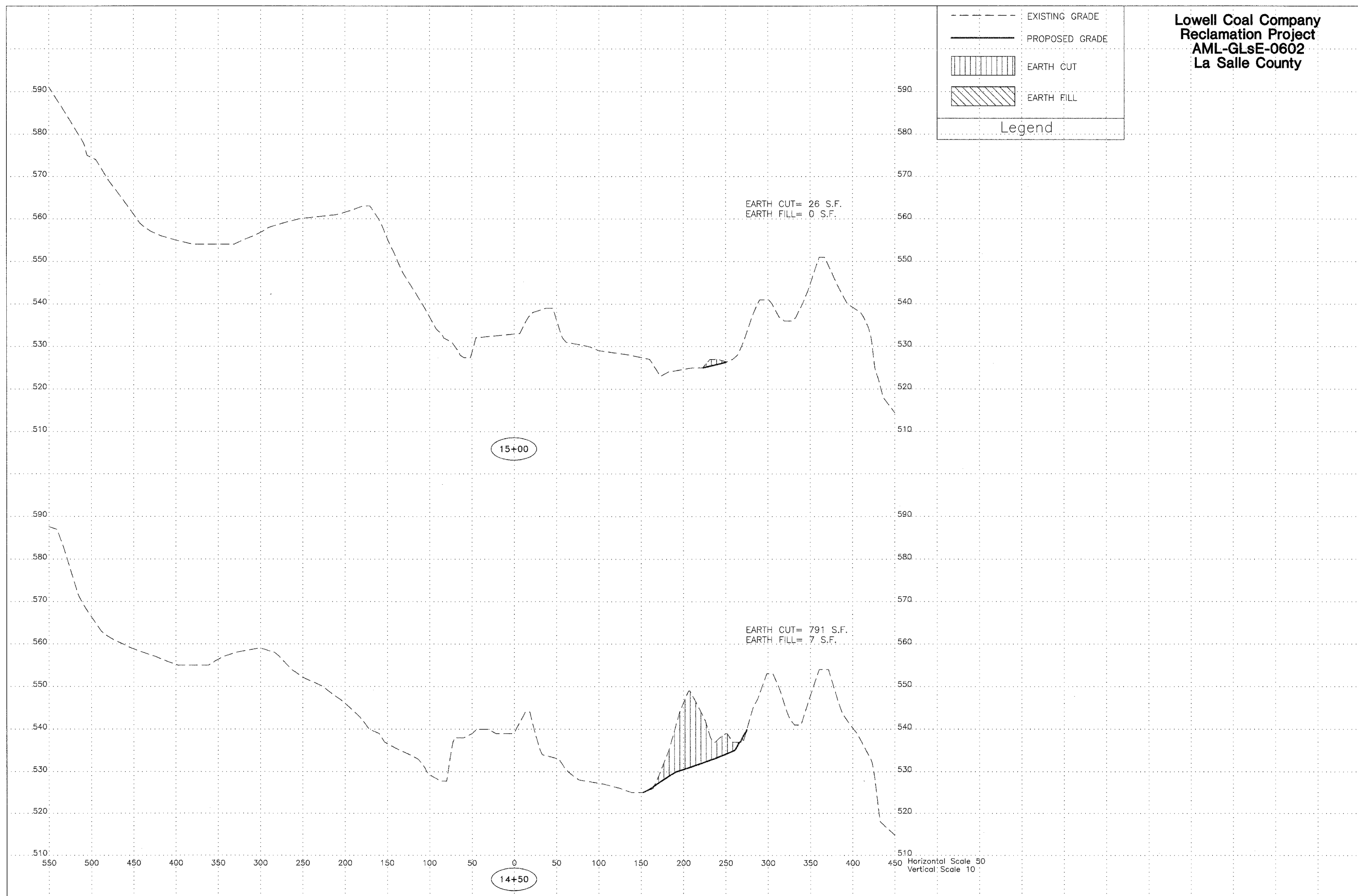
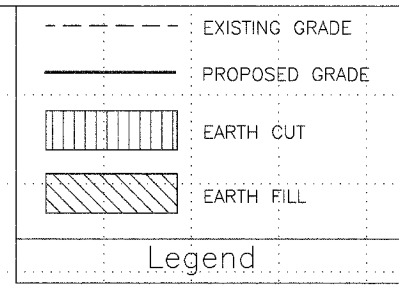


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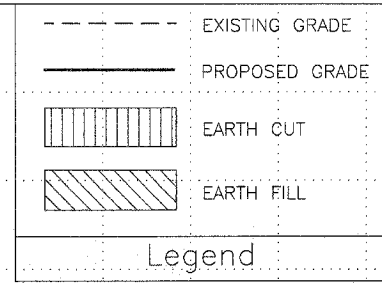


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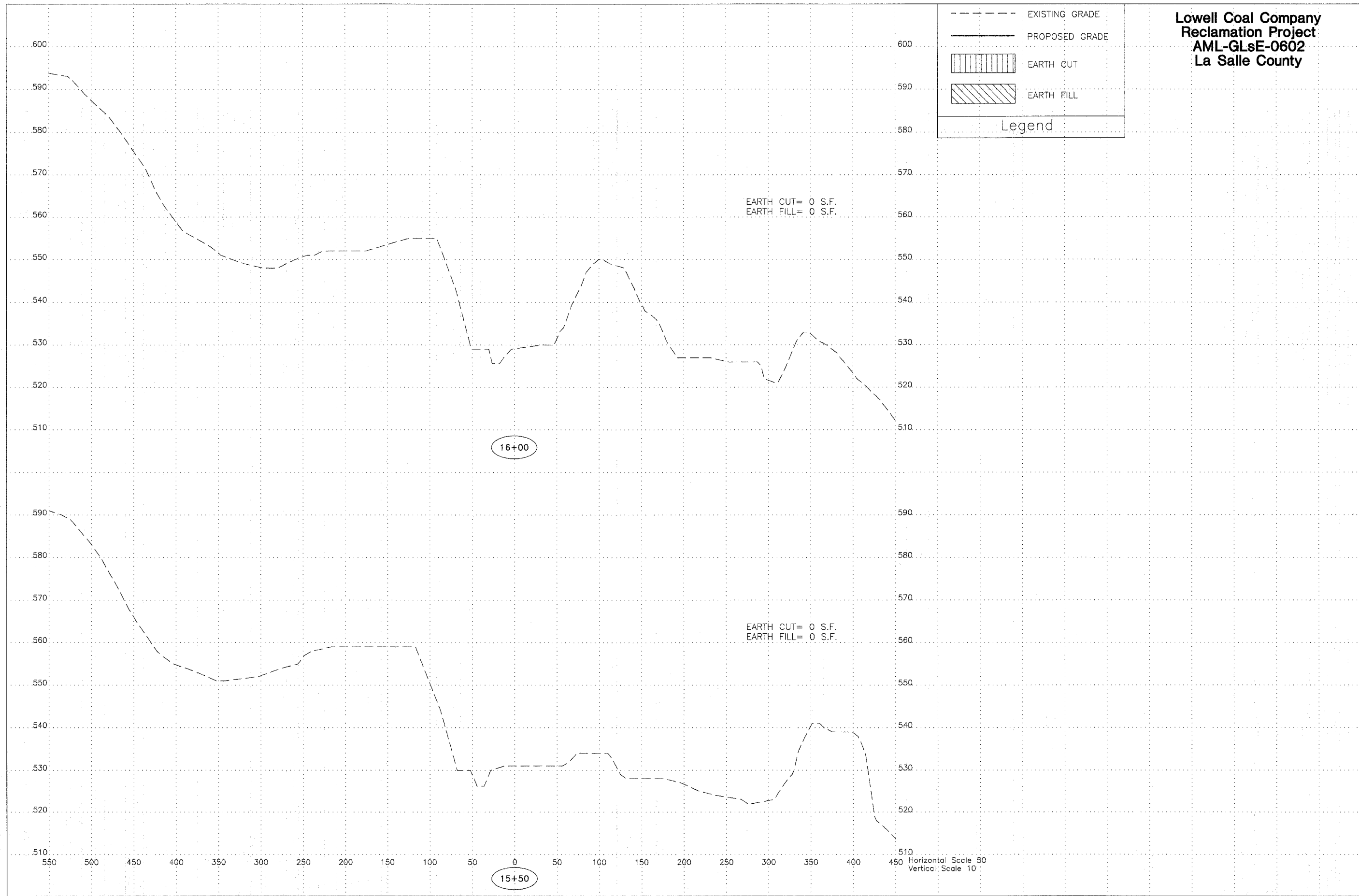


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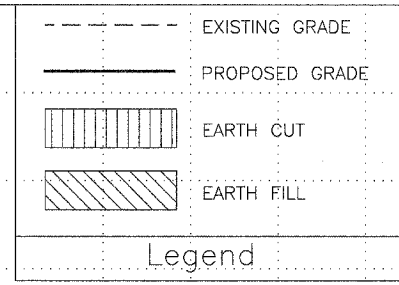
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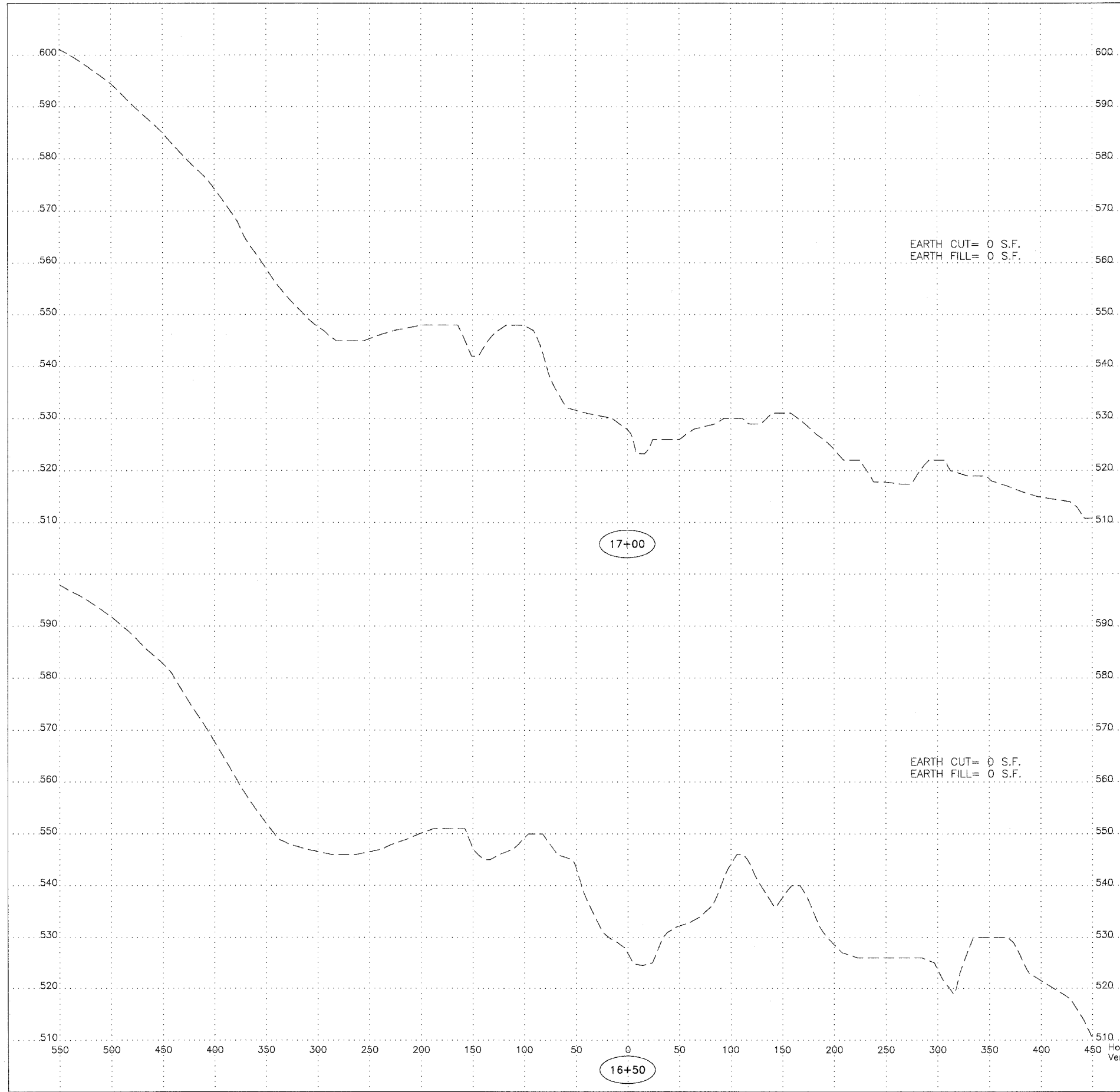
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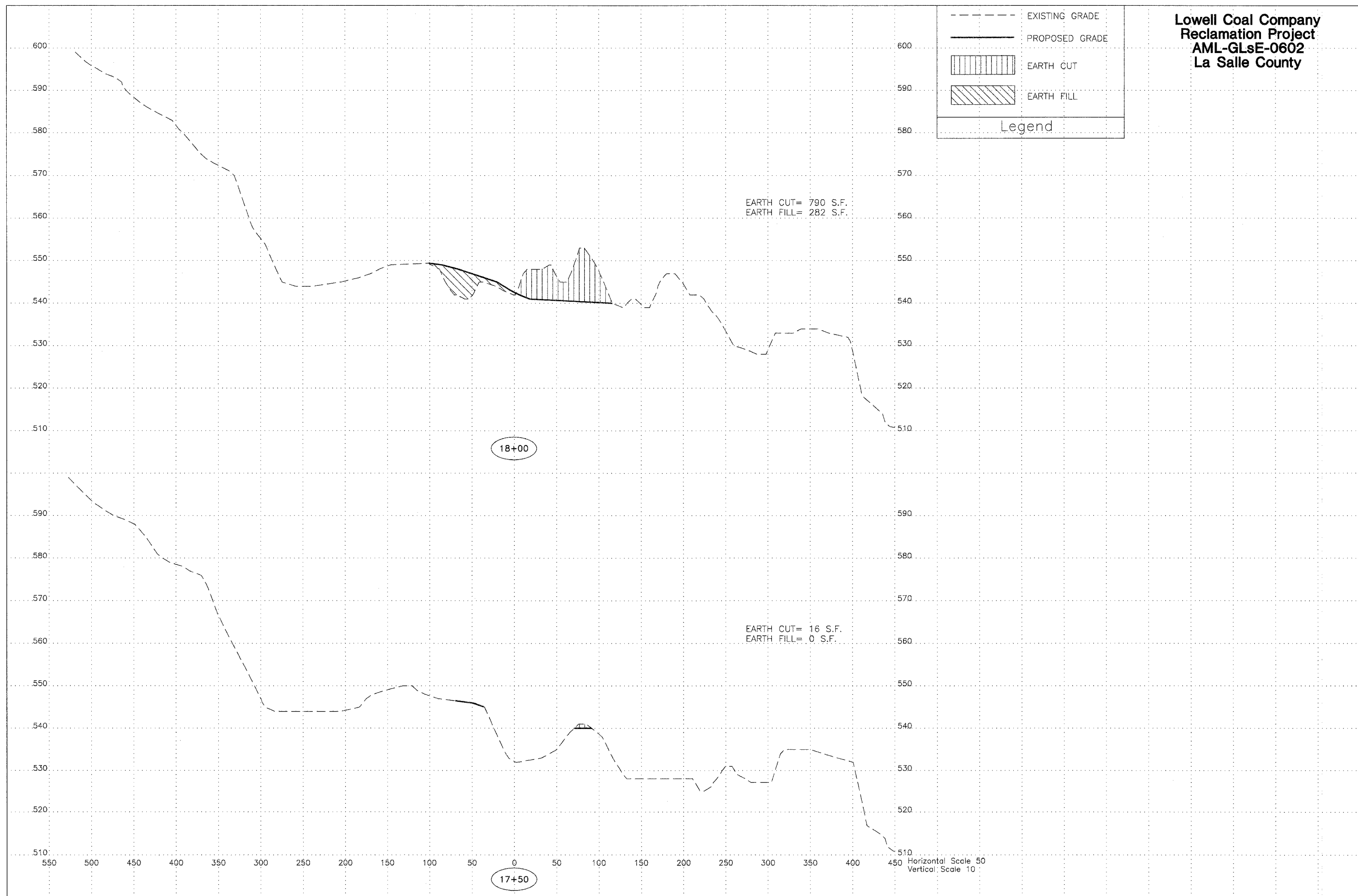
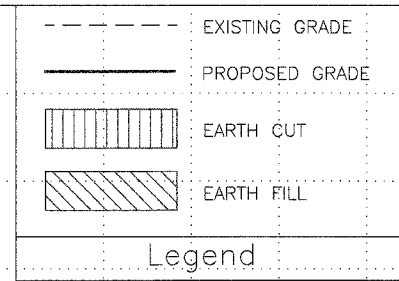
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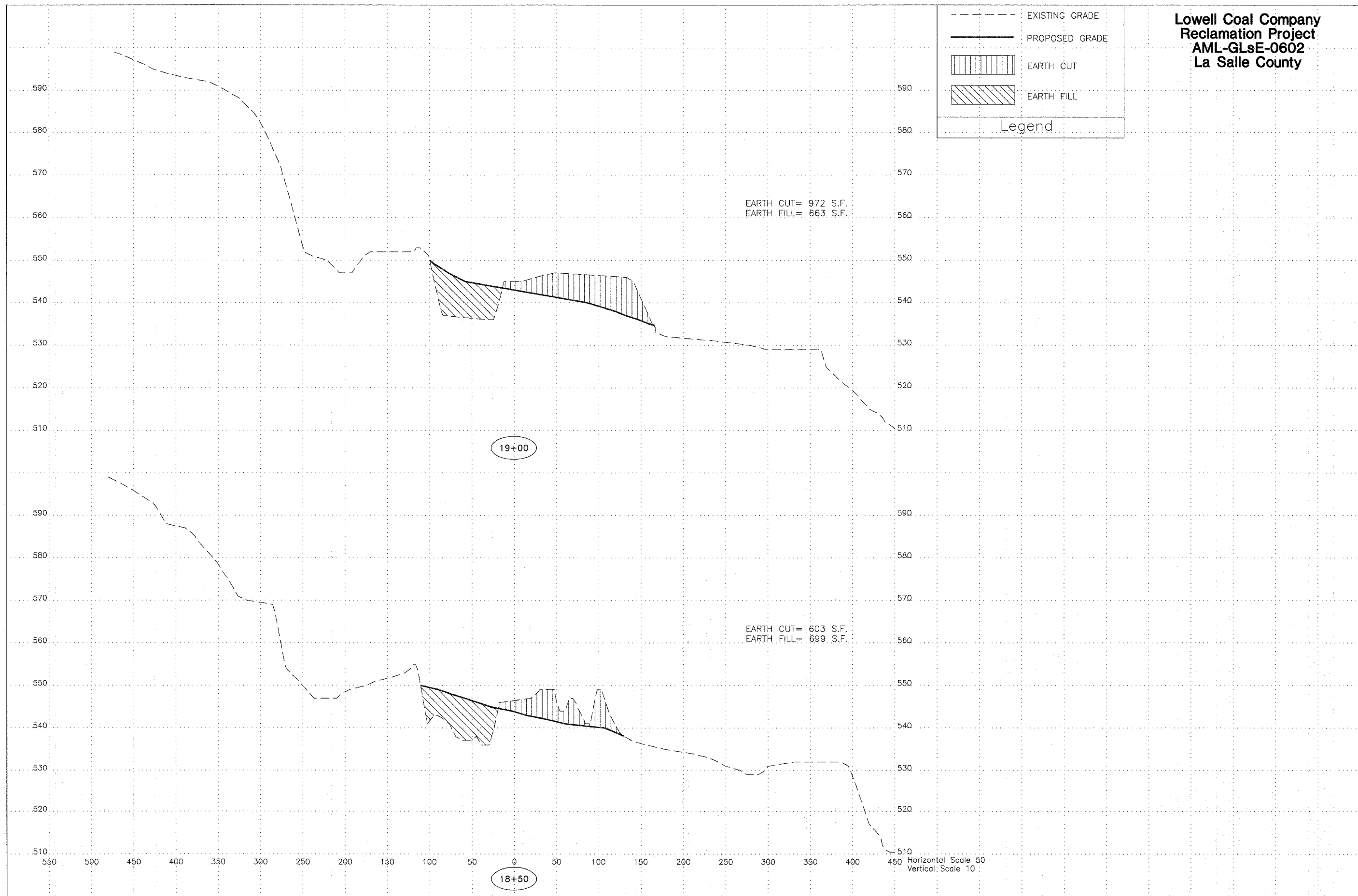
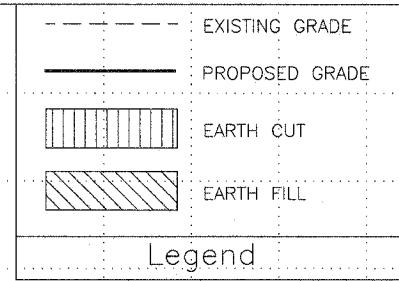
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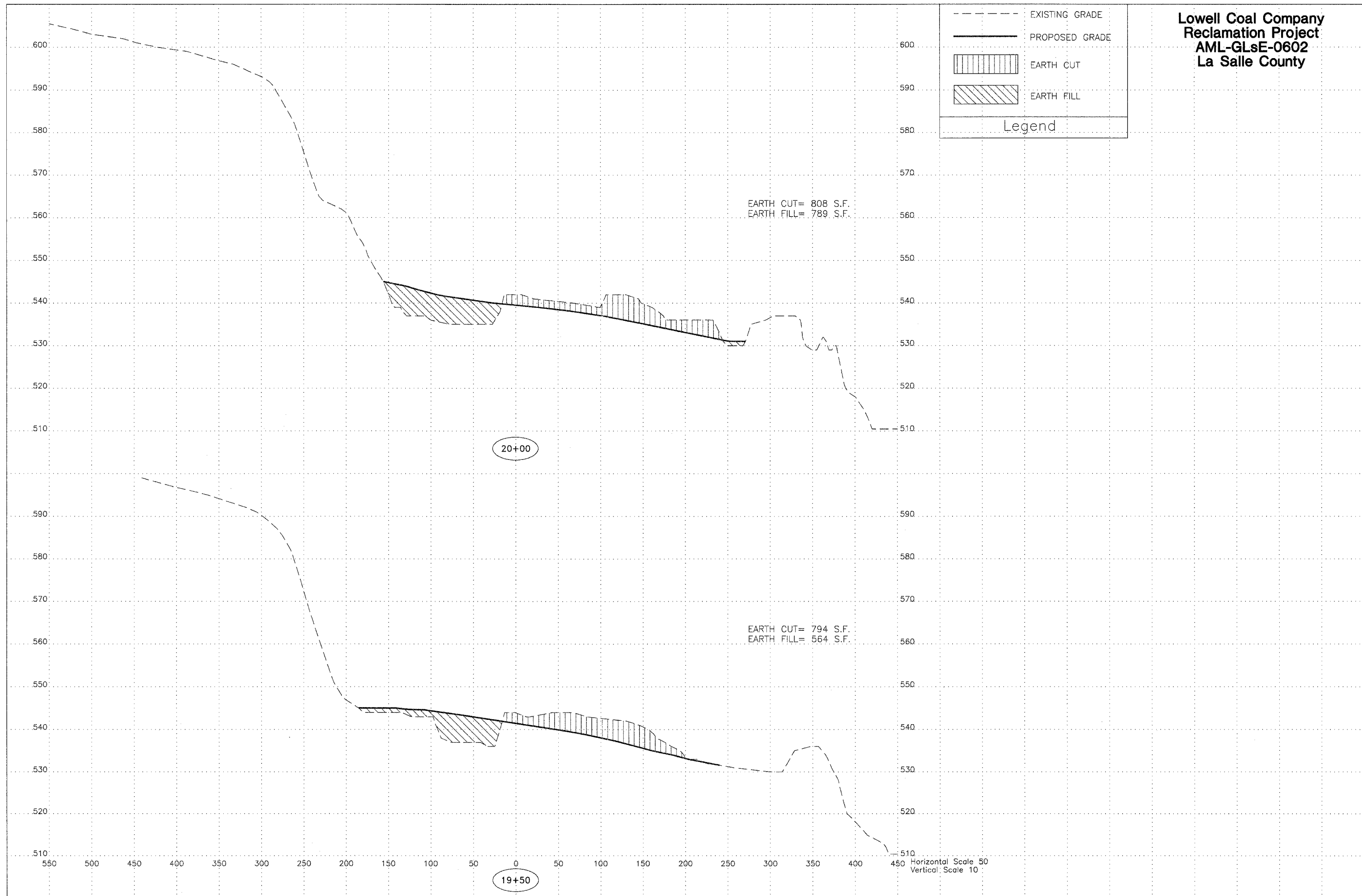
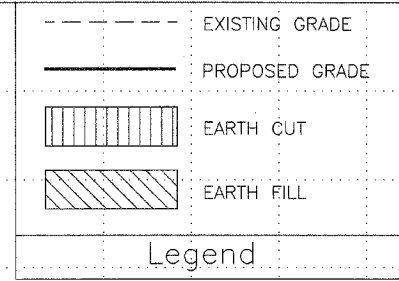


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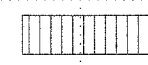
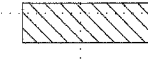
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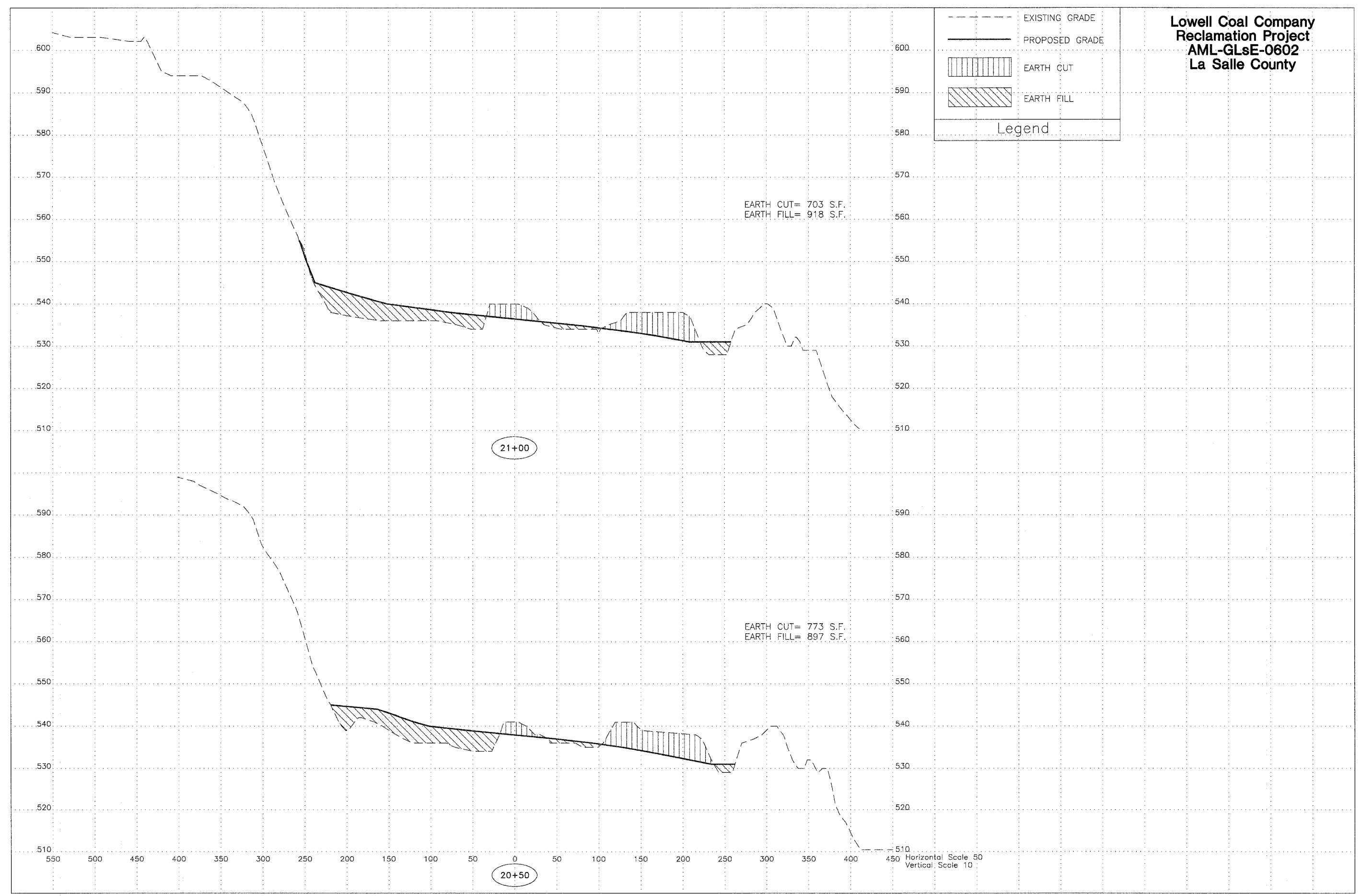


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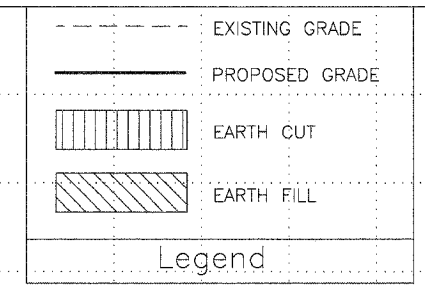


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| | |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT |
|  | EARTH FILL |
| Legend | |



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EARTH CUT= 1,398 S.F.
 EARTH FILL= 1,438 S.F.

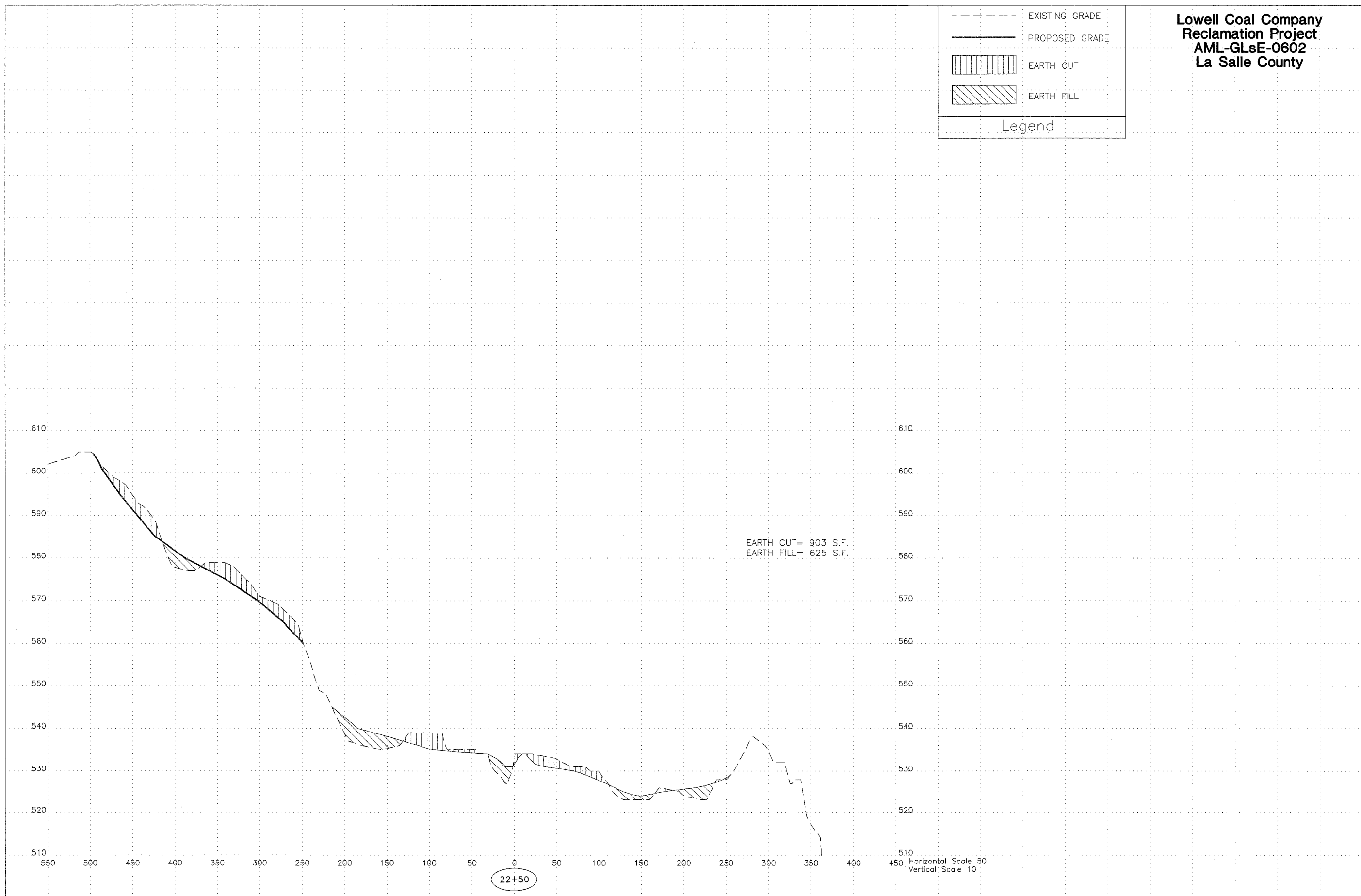
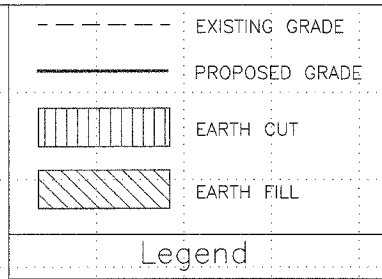
22+00

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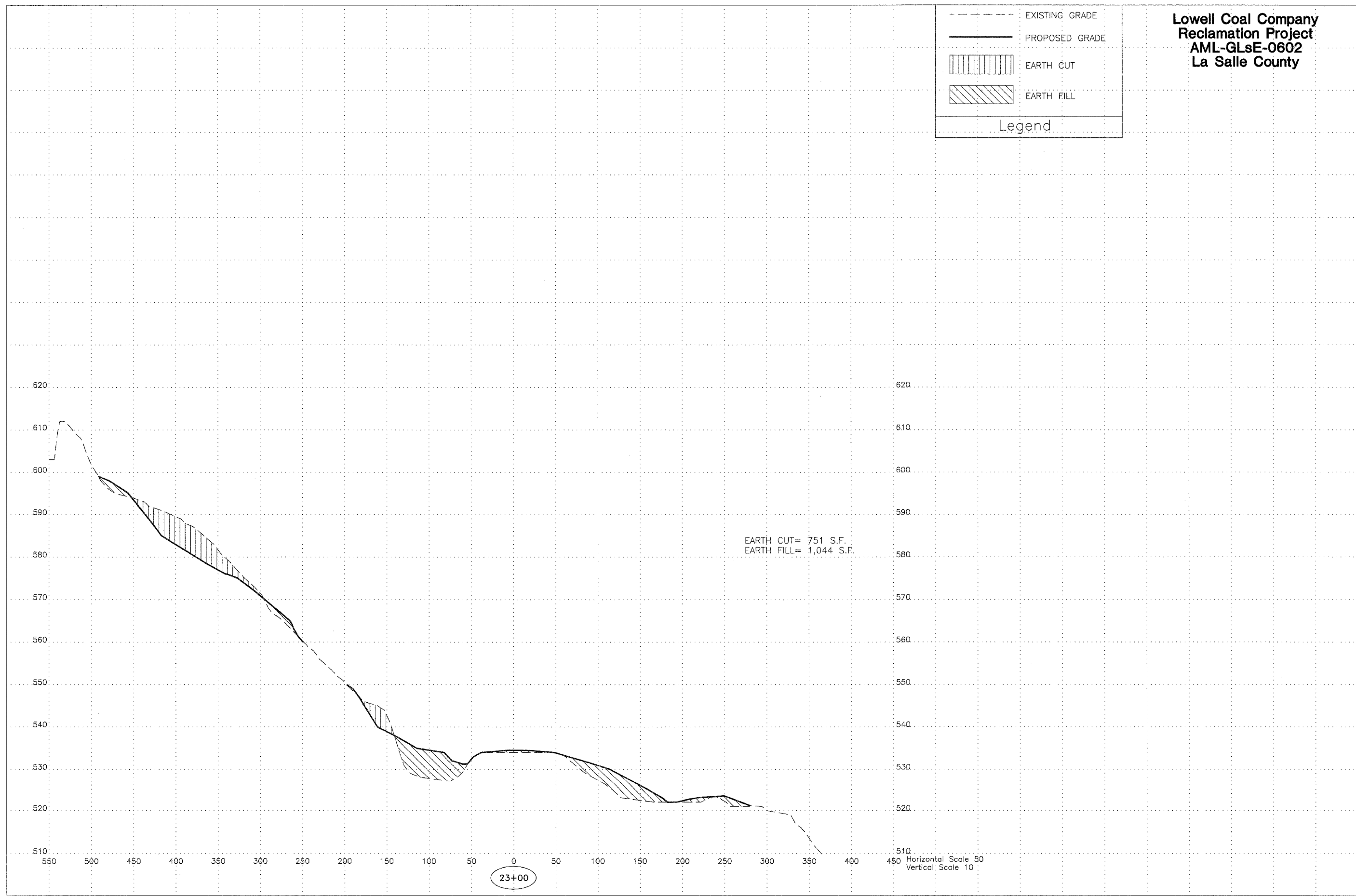
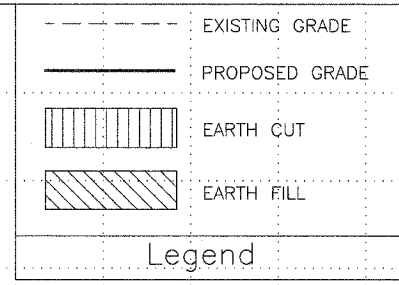
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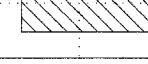
Lowell Coal Company
Reclamation Project
AML-GLsE-0602
La Salle County

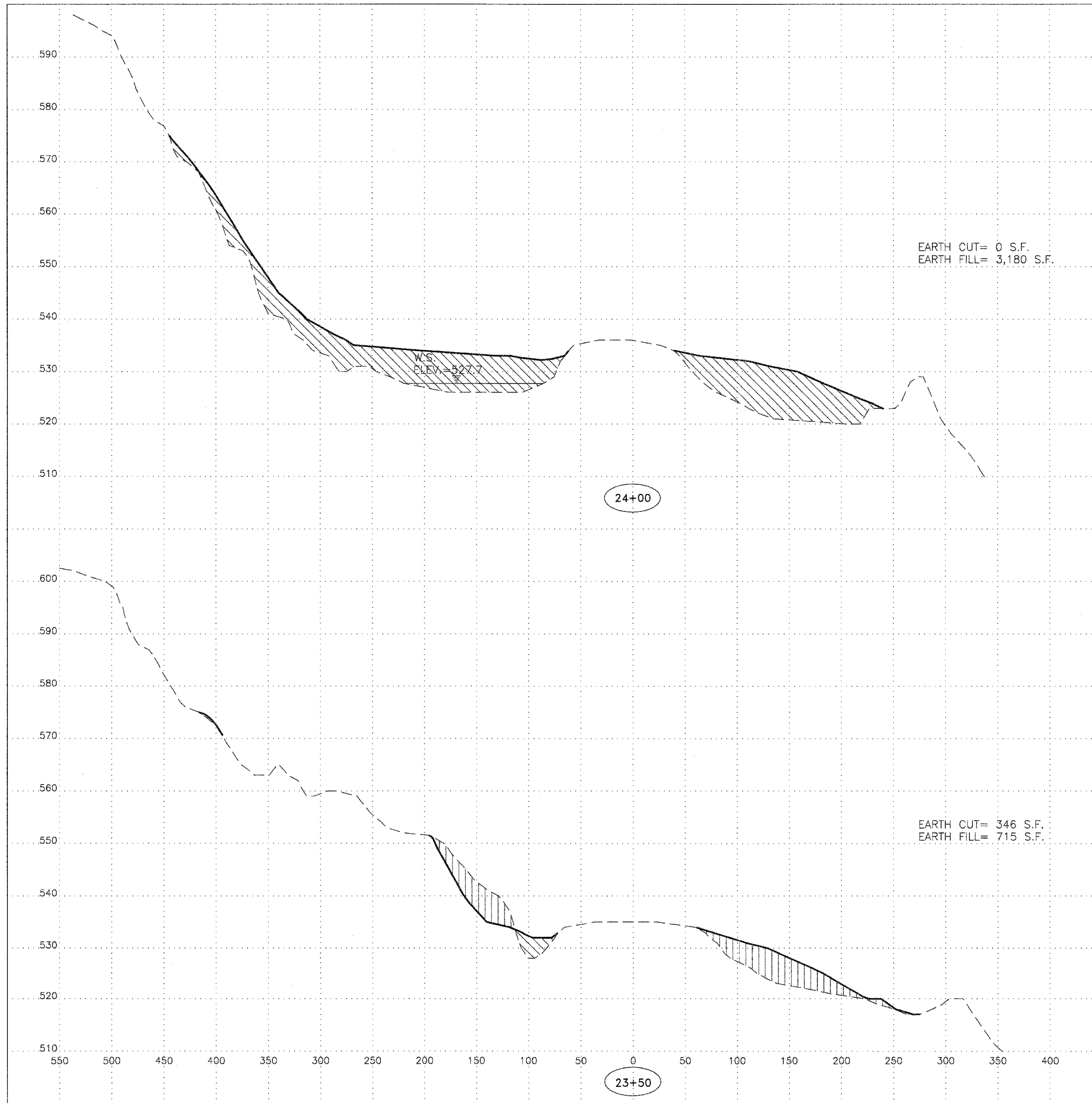


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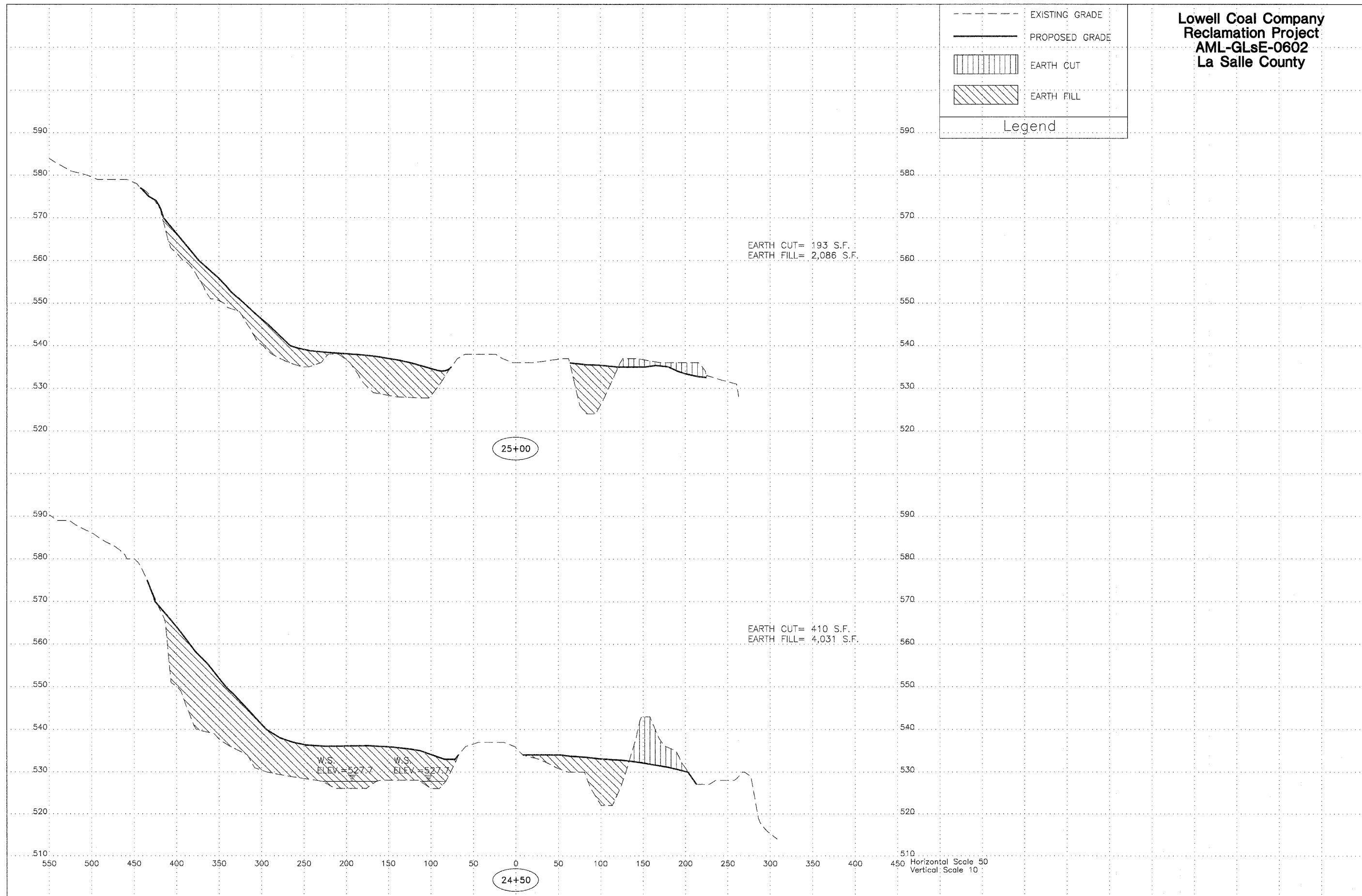
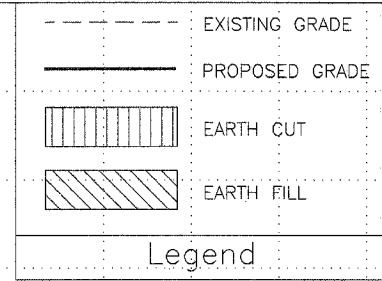
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| | |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT |
|  | EARTH FILL |
| Legend | |



Horizontal Scale 50
Vertical Scale 10

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