

**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

**Tab Simco Phase II**  
**Reclamation Project**  
**AML-GJkE-0414**  
**Jackson County**  
**4LR**

**SCHEDULE OF DRAWINGS:**

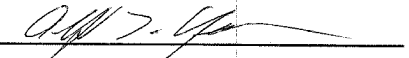
1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map/  
Traverse Layout Data
3. Site Layout
4. Existing & Proposed Conditions-South Area
5. Existing & Proposed Conditions-North & West Areas
- 6-20. Cross Sections

Prepared By IDNR Staff

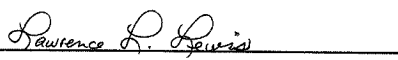
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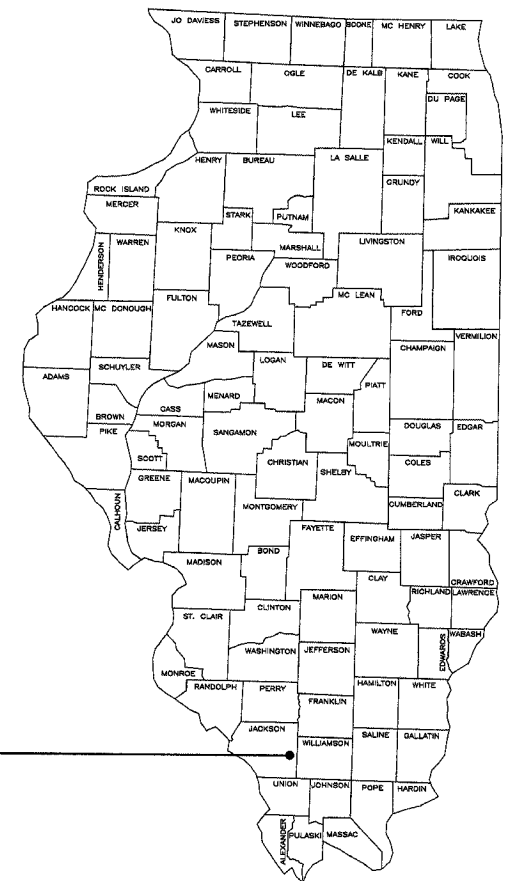
  
Joseph R. Angleton, Director  
Office of Mines and Minerals

Approved By:

  
Alfred L. Clayborne, Manager  
AML Division

Approved By:

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



**Tab Simco Phase II**  
**Jackson County**

PRE-BID MEETING

A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT AT 10:30 A.M.  
THURSDAY, APRIL 21, 2005. ALL INTERESTED POTENTIAL BIDDERS ARE  
TO MEET AT THE PROJECT SITE ENTRANCE OFF NO NAME ROAD. (SEE  
LOCATION MAP ON SHEET 2)



| Summary of Quantities |                                |          |          |       |      |        |       |  |
|-----------------------|--------------------------------|----------|----------|-------|------|--------|-------|--|
| #                     | Item                           | Section  | Quantity |       |      |        | Unit  | Rates/Remarks                                    |
|                       |                                |          | South    | North | West | Total  |       |  |
| 1                     | Special Clearing               | 201      | -        | -     | -    | 1      | L.S.  |  |
| 2                     | Earth Excavation               | 202      | 84037    | 29105 | 0    | 113142 | C.Y.  | COMPACTION REQUIRED AS PER SPECIAL PROVISION 205 |
| 3                     | Seeding                        | 250      | 14.4     | 5.0   | 0.2  | 19.6   | Acre  |  |
| 4                     | Agricultural Ground Limestone  | 250      | 144      | 50    | 2    | 196    | Ton   | 10 T/AC  |
| 5                     | Nitrogen Fertilizer Nutrient   | 250      | 2880     | 1000  | 40   | 3920   | Pound | 100 LB/AC FOR TWO APPLICATIONS                   |
| 6                     | Phosphorus Fertilizer Nutrient | 250      | 2160     | 750   | 30   | 2940   | Pound | 150 LB/AC  |
| 7                     | Potassium Fertilizer Nutrient  | 250      | 5040     | 1750  | 70   | 6860   | Pound | 350 LB/AC  |
| 8                     | Mulch, Method 2, Procedure 2   | IDOT 251 | 14.4     | 5.0   | 0.2  | 19.6   | Acre  | 2 T/AC   |
| 9                     | Mine Spoil Treatment - CKD     | 255      | 1.24     | 0.07  | 0.12 | 1.43   | Acre  | 4" CKD & 4" MINE SPOIL PER LIFT FOR THREE LIFTS  |
| 10                    | Mowing                         | 258      | 14.4     | 5.0   | 0.2  | 19.6   | Acre  |  |
| 11                    | Stone Riprap A-3               | IDOT 281 | 1368     | 655   | 0    | 2023   | S.Y.  |  |
| 12                    | Stone Riprap A-4               | IDOT 281 | 42       | 0     | 0    | 42     | S.Y.  | CLASS A, GRADATION RR4                           |
| 13                    | Filter Fabric                  | IDOT 282 | 1410     | 655   | 0    | 2065   | S.Y.  |  |
| 14                    | Special Excelsior Blanket      | 286      | 8452     | 3010  | 364  | 11826  | S.Y.  | 8' WIDTH   |
| 15                    | Pipe Culvert, 24" CPE, Type 2  | IDOT 542 | 30       | 0     | 0    | 30     | Foot  |  |
| 16                    | Pipe Culvert, 30" CPE, Type 2  | IDOT 542 | 0        | 0     | 60   | 60     | Foot  |  |
| 17                    | Mobilization                   | 671      | 1        | 0     | 0    | 1      | L.S.  | MAXIMUM 6% OF TOTAL BID                          |

**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.

**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.

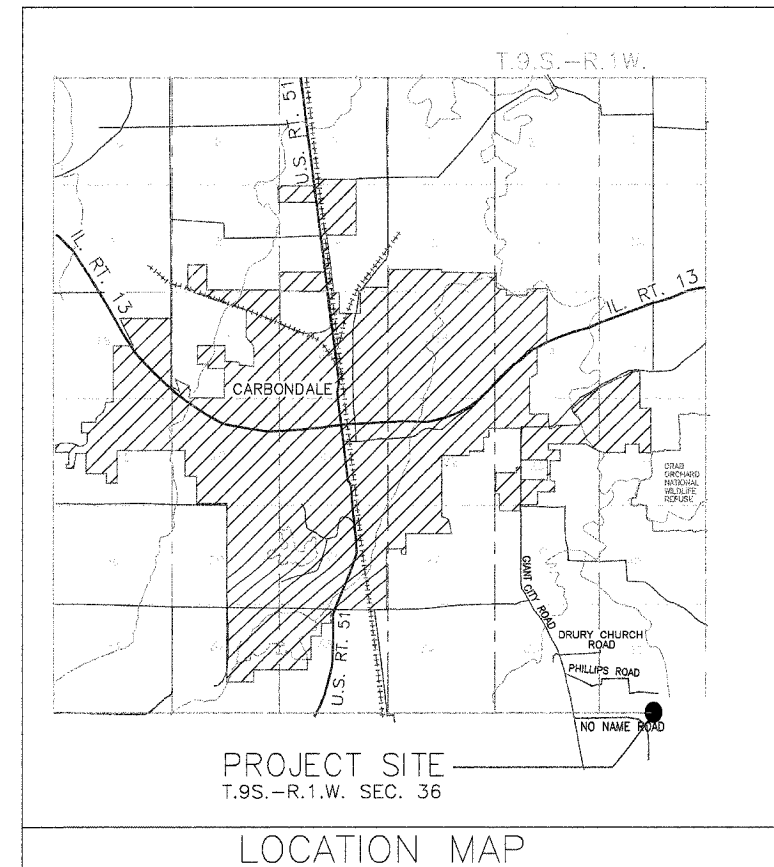
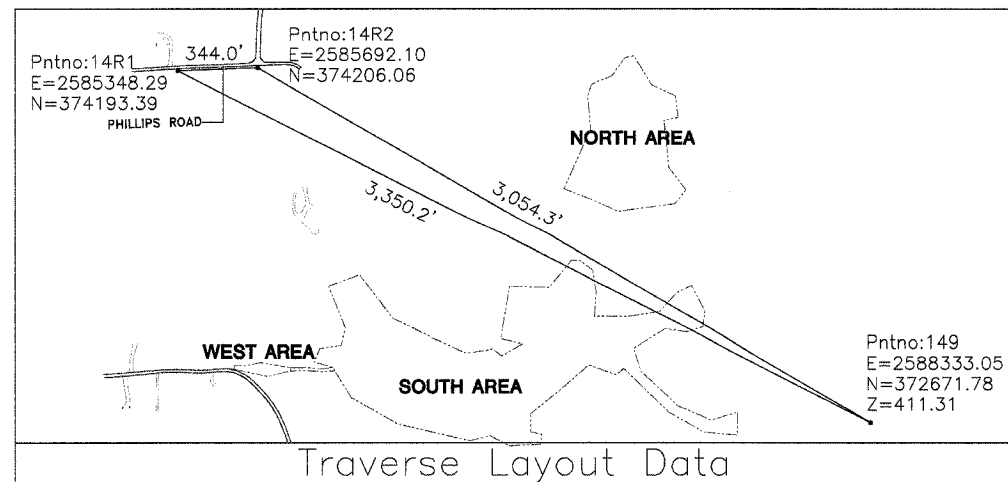
**TREE REMOVAL**-Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

**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 2 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.



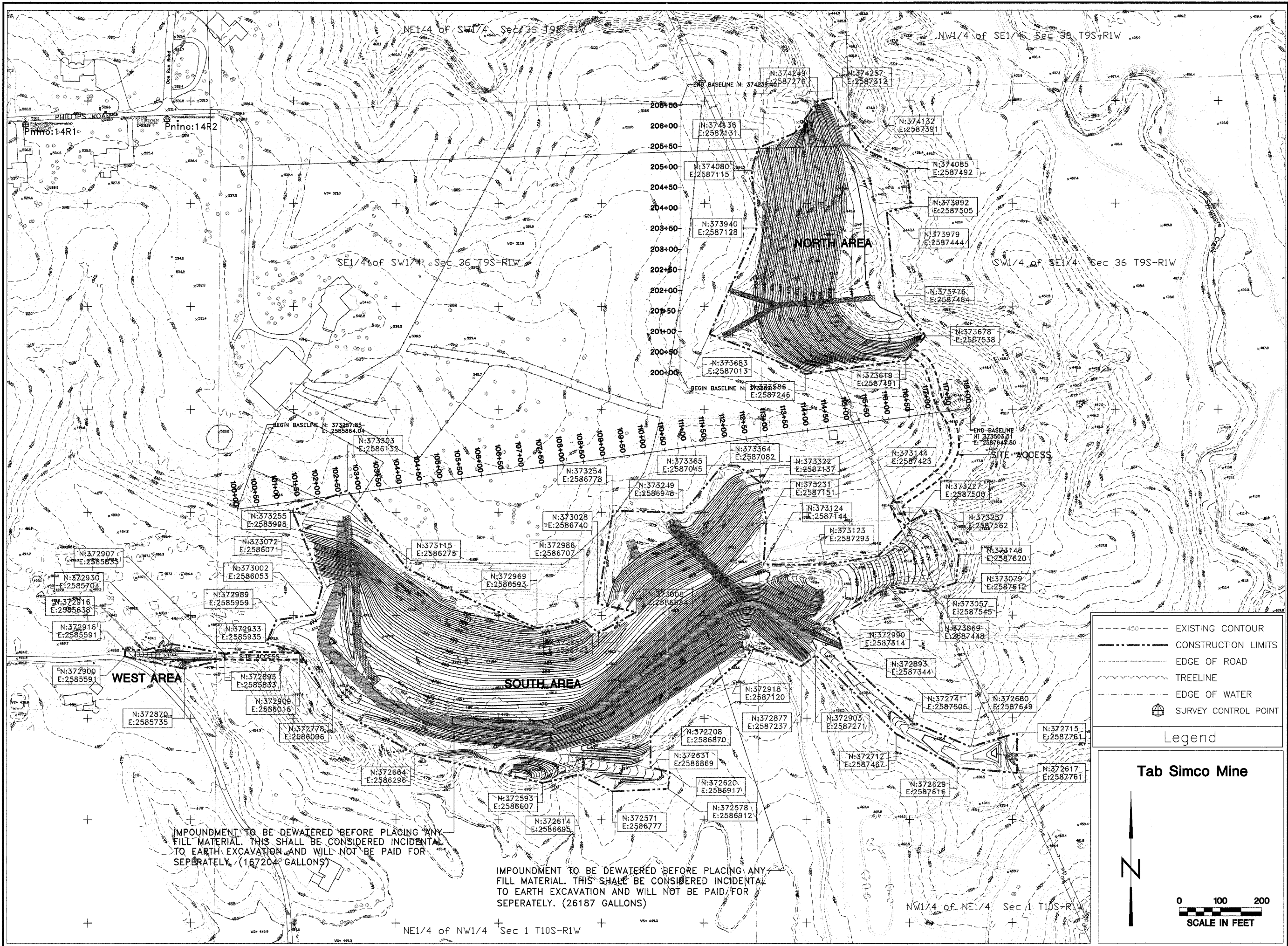
| Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing |  |  |                |
|---|--|--|----------------|
| ITEM (unit)   | INITIAL APPLICATION FALL 2005 AUG. 20-SEPT. 30 | INITIAL APPLICATION SPRING 2006 JAN 1-MARCH 15 | TOTAL QUANTITY |
| SEEDING (acres)   | 19.6   | -  | 19.6           |
| AGRICULTURAL GROUND LIMESTONE (tons)                        | 196  | -  | 196            |
| NITROGEN FERTILIZER NUTRIENT (pounds)                       | 1960   | 1960   | 3920           |
| PHOSPHOROUS FERTILIZER NUTRIENT (pounds)                    | 2940   | -  | 2940           |
| POTASSIUM FERTILIZER NUTRIENT (pounds)                      | 6860   | -  | 6860           |
| MULCH, METHOD 2 PROCEDURE 2 (acres)                         | 19.6   | -  | 19.6           |
| MOWING (acres)  | -  | 19.6   | 19.6           |

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Date: \_\_\_\_\_  
Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_

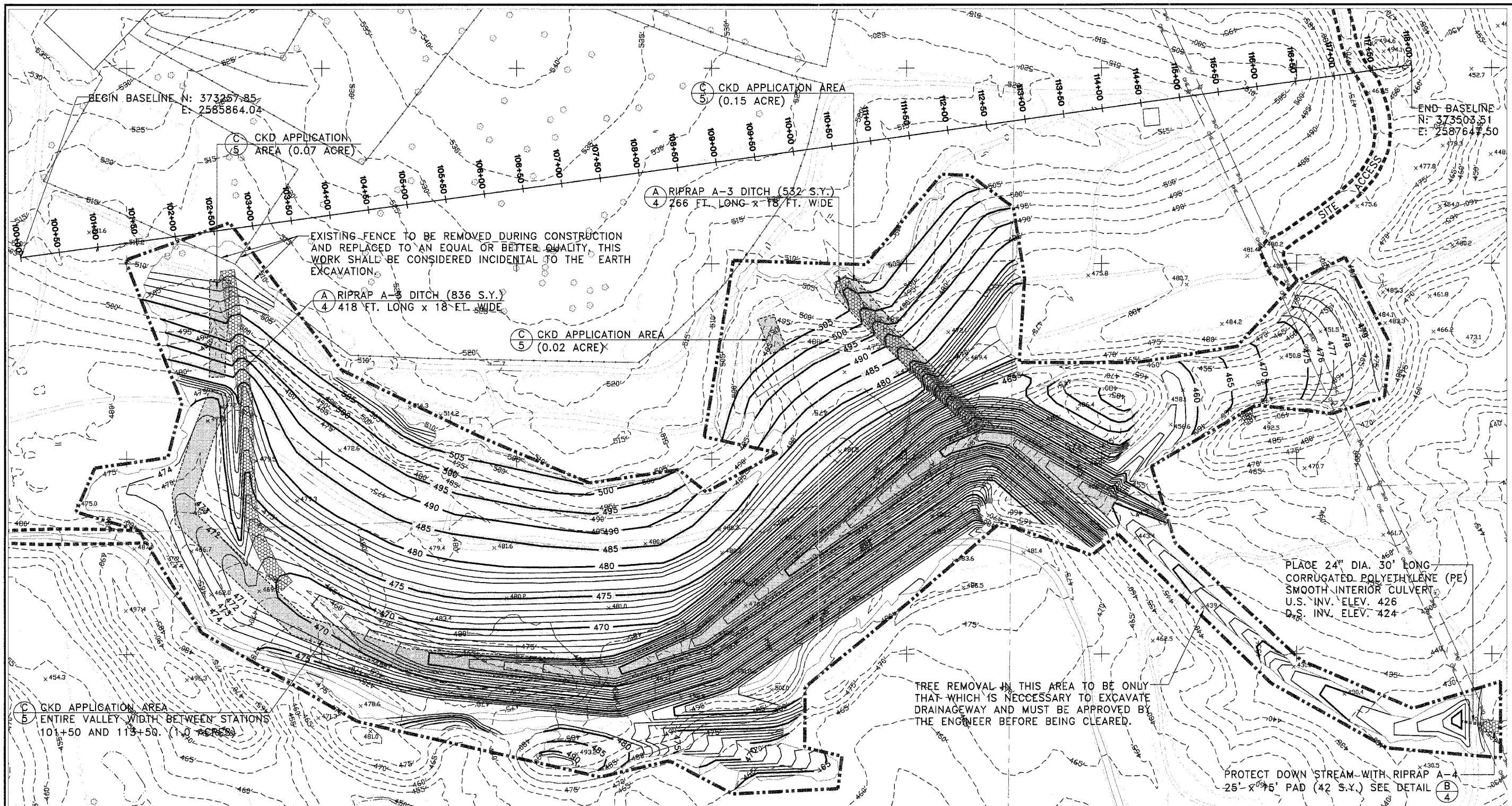
Summary of Quantities/  
General Notes/Location Map/  
Traverse Layout Data  
Sheet 2 of 20



Date: 8/29/05  
8/29/05

Drawn By: J.B.  
Checked By: J.B.

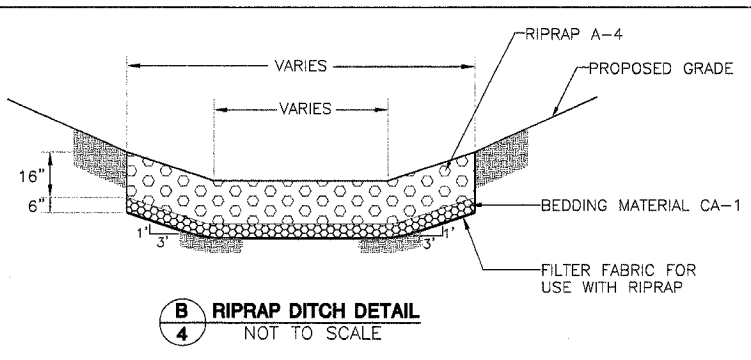
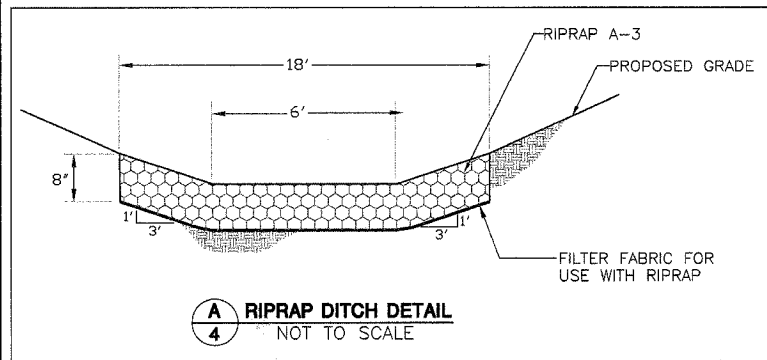




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Date: 8/29/05  
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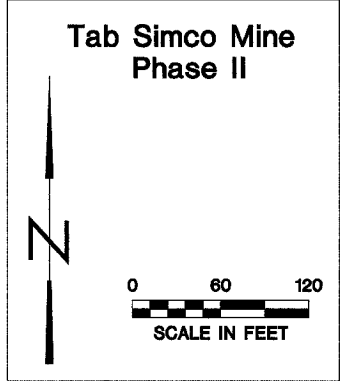
NOTE:  
EARTH EXCAVATION - SOUTH AREA IS 84,037 C.Y. AND  
BALANCES INDEPENDENTLY OF NORTH AND WEST AREAS.

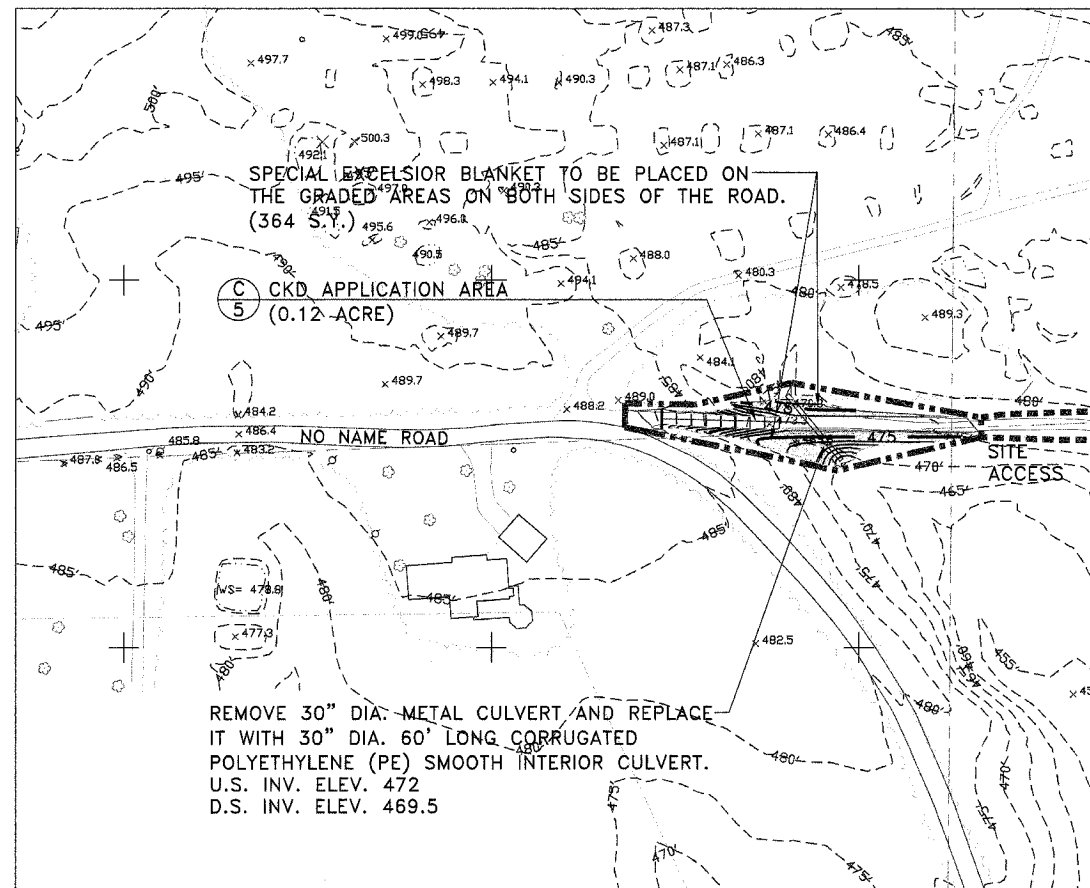
South Area



| SPECIAL EXCELSIOR BLANKET SOUTH AREA |                           |                           |
|--------------------------------------|---------------------------|---------------------------|
| ELEVATION                            | NO. OF DITCH QUAN. (S.Y.) | SO. OF DITCH QUAN. (S.Y.) |
| 505                                  | 935                       | 0                         |
| 495                                  | 995                       | 0                         |
| 490                                  | 0                         | 55                        |
| 485                                  | 1,045                     | 91                        |
| 480                                  | 0                         | 129                       |
| 475                                  | 1,124                     | 1,042                     |
| 470                                  | 74                        | 96                        |
| 465                                  | 917                       | 910                       |
| 460                                  | 92                        | 0                         |
| 455                                  | 477                       | 470                       |

| Legend    |                             |
|-----------|-----------------------------|
| ---450--- | EXISTING CONTOUR            |
| ---480--- | PROPOSED CONTOUR            |
| --- ---   | CONSTRUCTION/SEEDING LIMITS |
| --- ---   | EDGE OF ROAD                |
| --- ---   | TREELINE                    |
| --- ---   | EDGE OF WATER               |
| --- ---   | SPECIAL EXCELSIOR BLANKET   |
| --- ---   | CKD APPLICATION AREA        |





NOTE:  
EARTH EXCAVATION - WEST AREA IS 181 C.Y. AND  
BALANCES INDEPENDENTLY OF NORTH AND SOUTH AREAS.

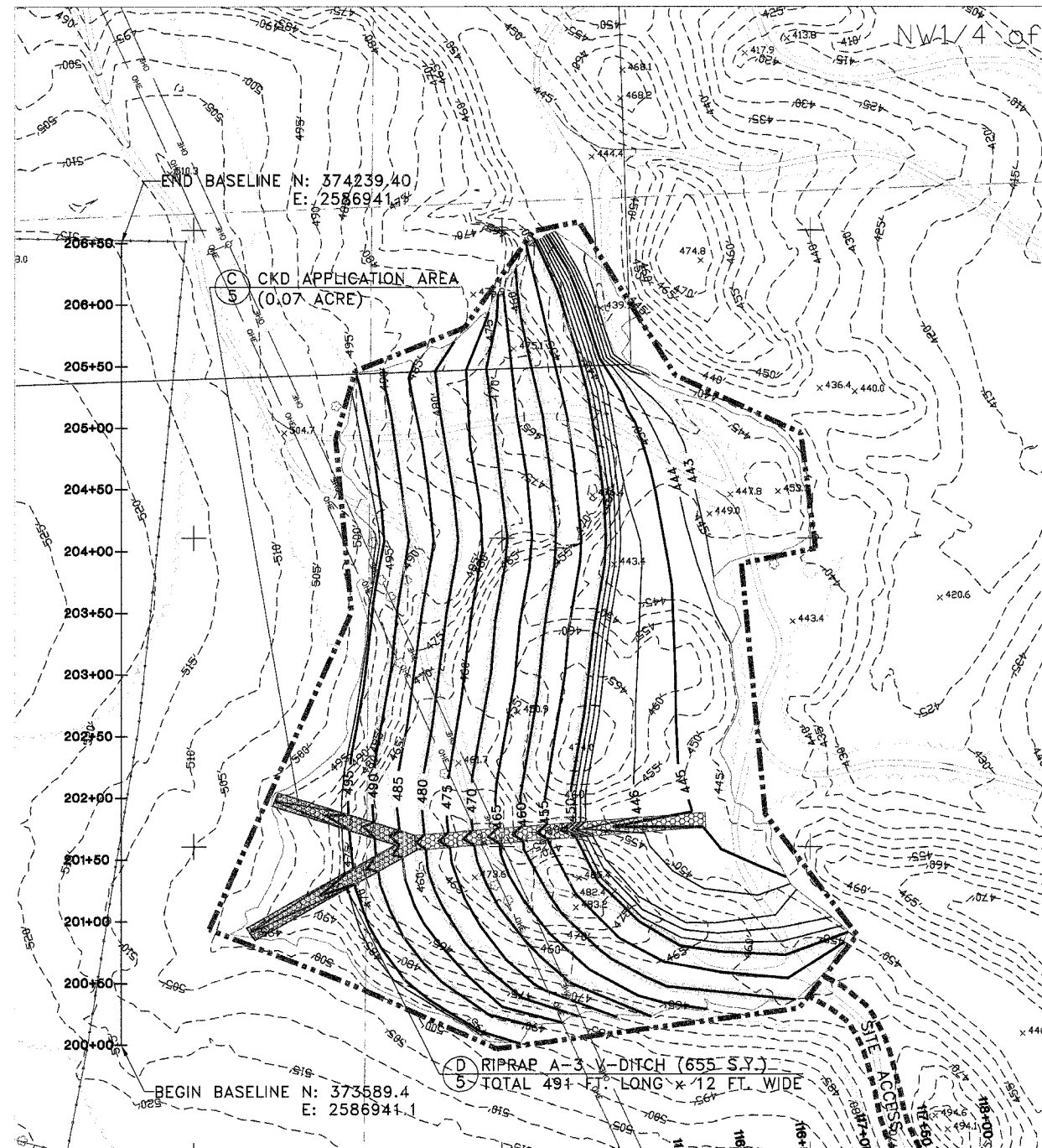
West Area

Notes

1. THE MINE SPOIL SUBGRADE BELOW THE MINE SPOIL TREATMENT-CKD LAYER SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 205 OF THE SPECIAL PROVISIONS.
2. THE MINE SPOIL TREATMENT SHALL CONSIST OF 50% CKD AND 50% MINE SPOIL MATERIAL IN EACH OF THE THREE LIFTS IN ACCORDANCE WITH SECTION 255 OF THE SPECIAL PROVISIONS. COMPACTION SHALL BE IN ACCORDANCE WITH SECTION 205 OF THE SPECIAL PROVISIONS.
3. THE TOP 12" OF MINE SPOIL SHALL NOT BE COMPACTED. THIS LAYER SHALL BE PREPARED FOR SEEDING IN ACCORDANCE WITH SECTION 250 OF THE SPECIAL PROVISIONS.

|             |                             |
|-------------|-----------------------------|
| --- 450 --- | EXISTING CONTOUR            |
| — 480 —     | PROPOSED CONTOUR            |
| — — — — —   | CONSTRUCTION/SEEDING LIMITS |
| — — — — —   | EDGE OF ROAD                |
| ~ ~ ~ ~ ~   | TREELINE                    |
| — — — — —   | EDGE OF WATER               |
| ▨ ▨ ▨ ▨ ▨   | SPECIAL EXCELSIOR BLANKET   |
| ▨ ▨ ▨ ▨ ▨   | CKD APPLICATION AREA        |

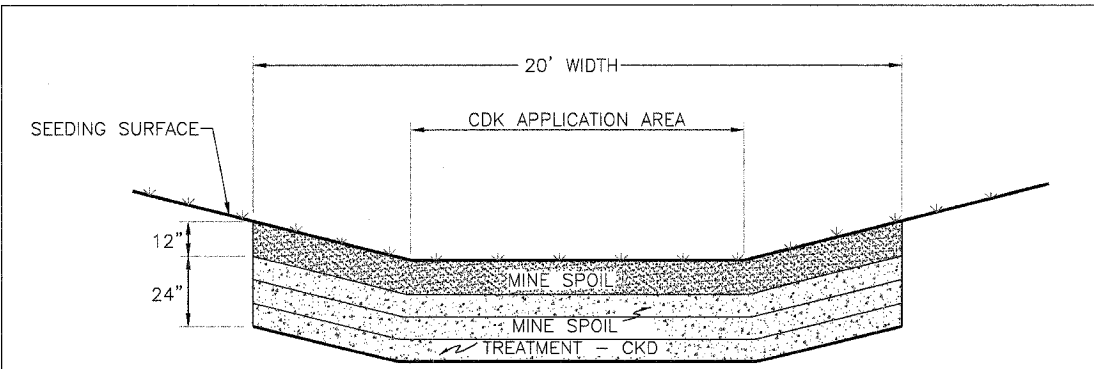
Legend



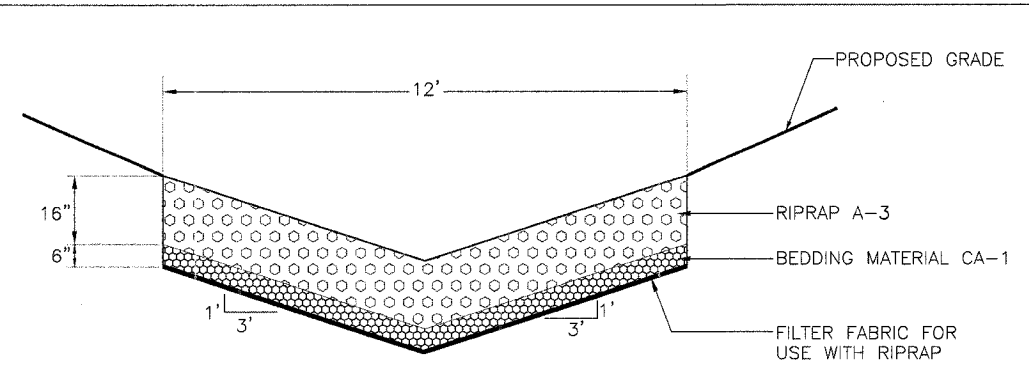
NOTE:  
EARTH EXCAVATION - NORTH AREA IS 29,105 C.Y. AND  
BALANCES INDEPENDENTLY OF SOUTH AND WEST AREAS.

North Area

| SPECIAL EXCELSIOR BLANKET<br>NORTH AREA |                 |
|---|-----------------|
| ELEVATION                               | QUANTITY (S.Y.) |
| 490                                     | 535             |
| 480                                     | 547             |
| 470                                     | 587             |
| 460                                     | 663             |
| 450                                     | 678             |



**C** CKD APPLICATION DETAIL  
**5** NOT TO SCALE



**D** RIPRAP V-DITCH DETAIL  
**5** NOT TO SCALE

Tab Simco Mine Phase II

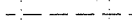
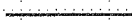

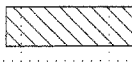
SCALE IN FEET

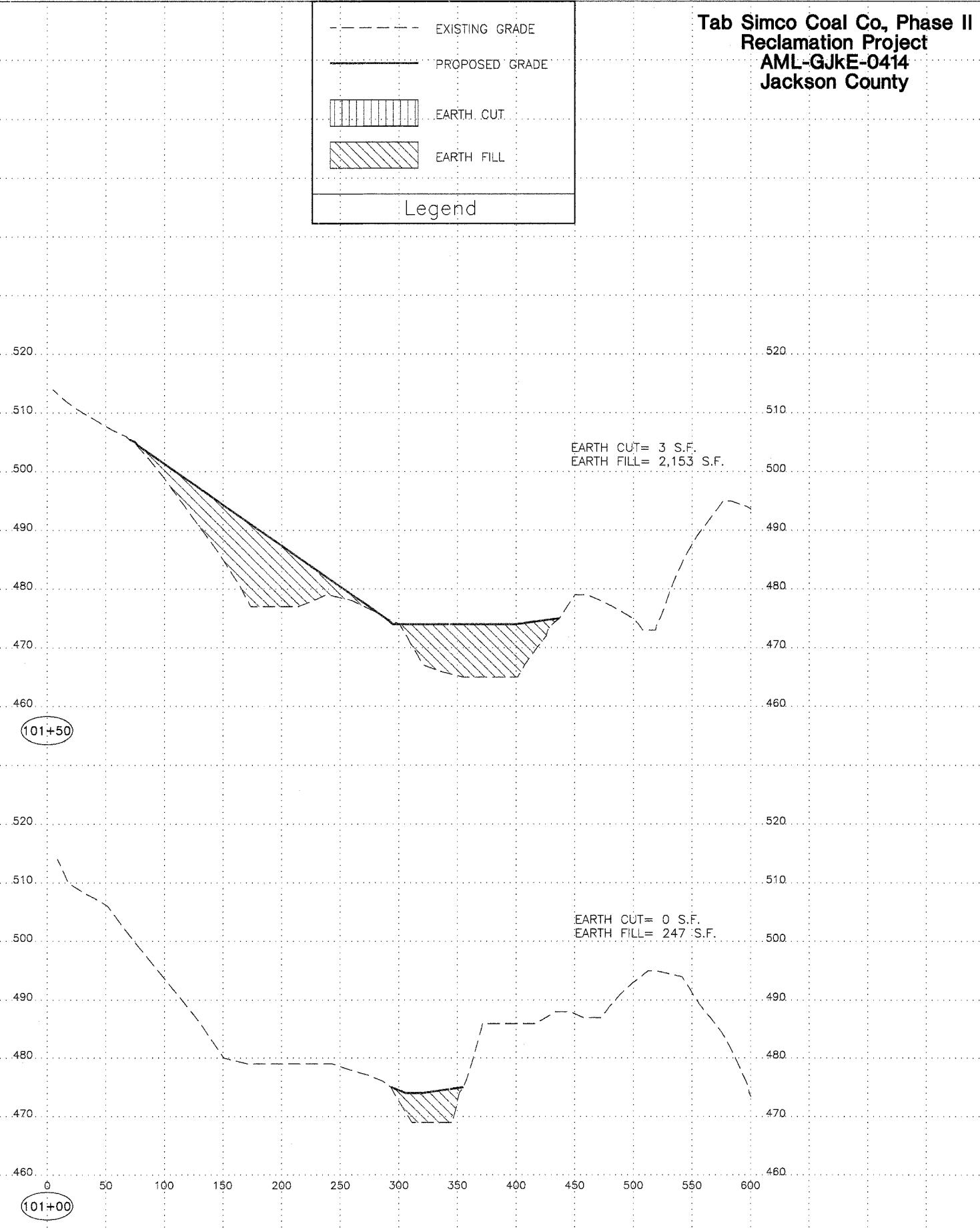
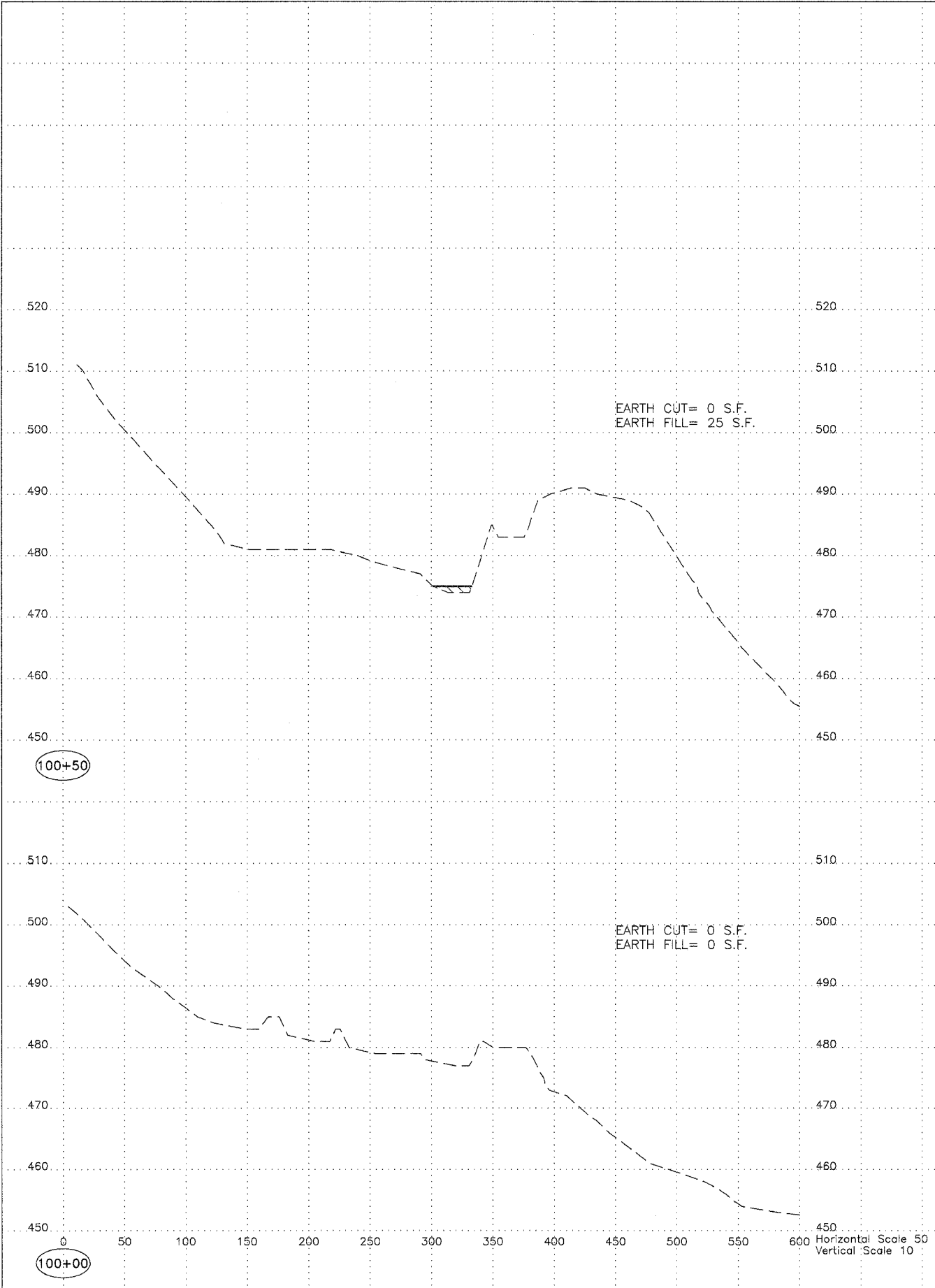
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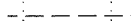

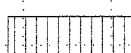
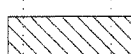
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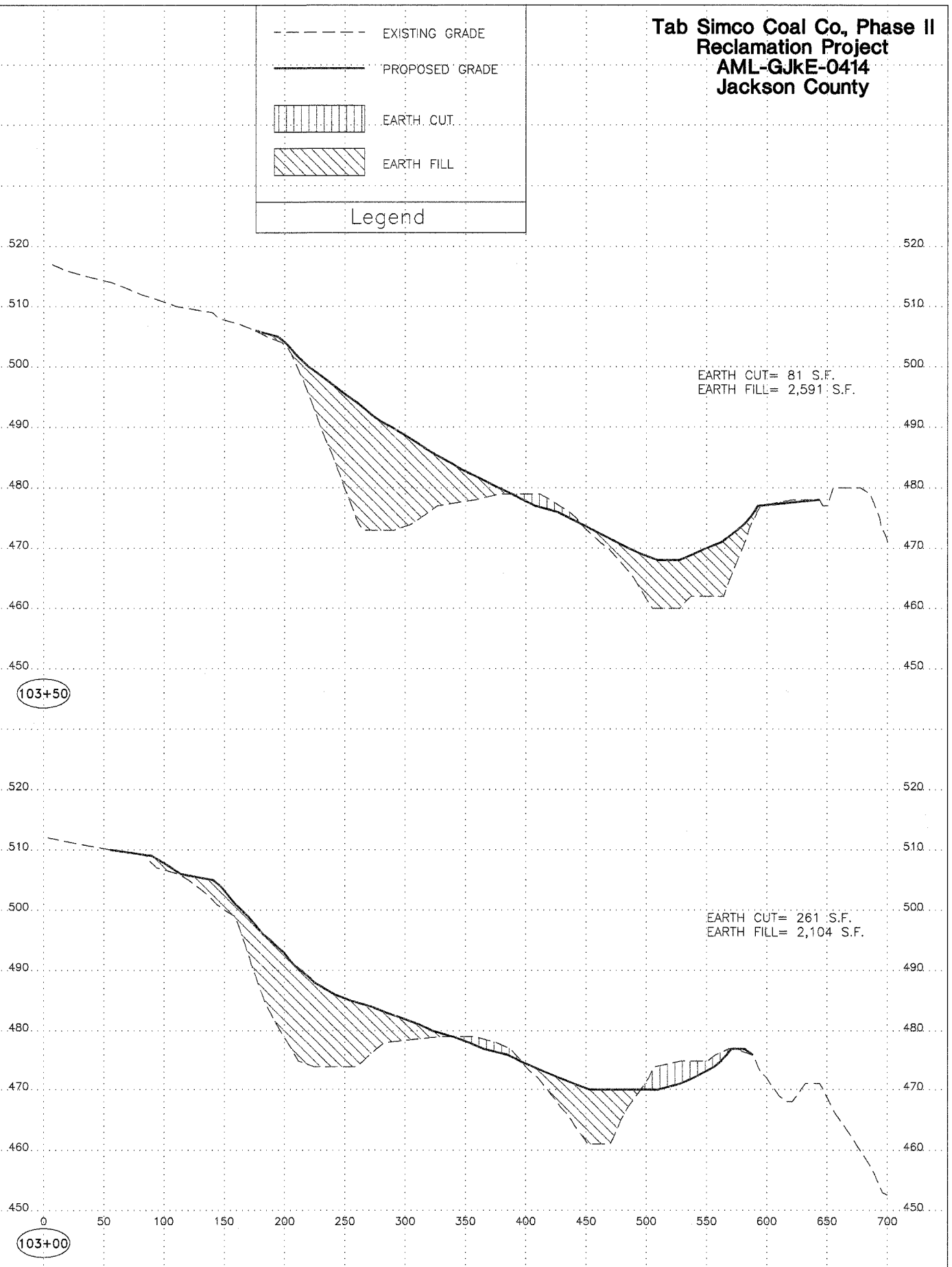
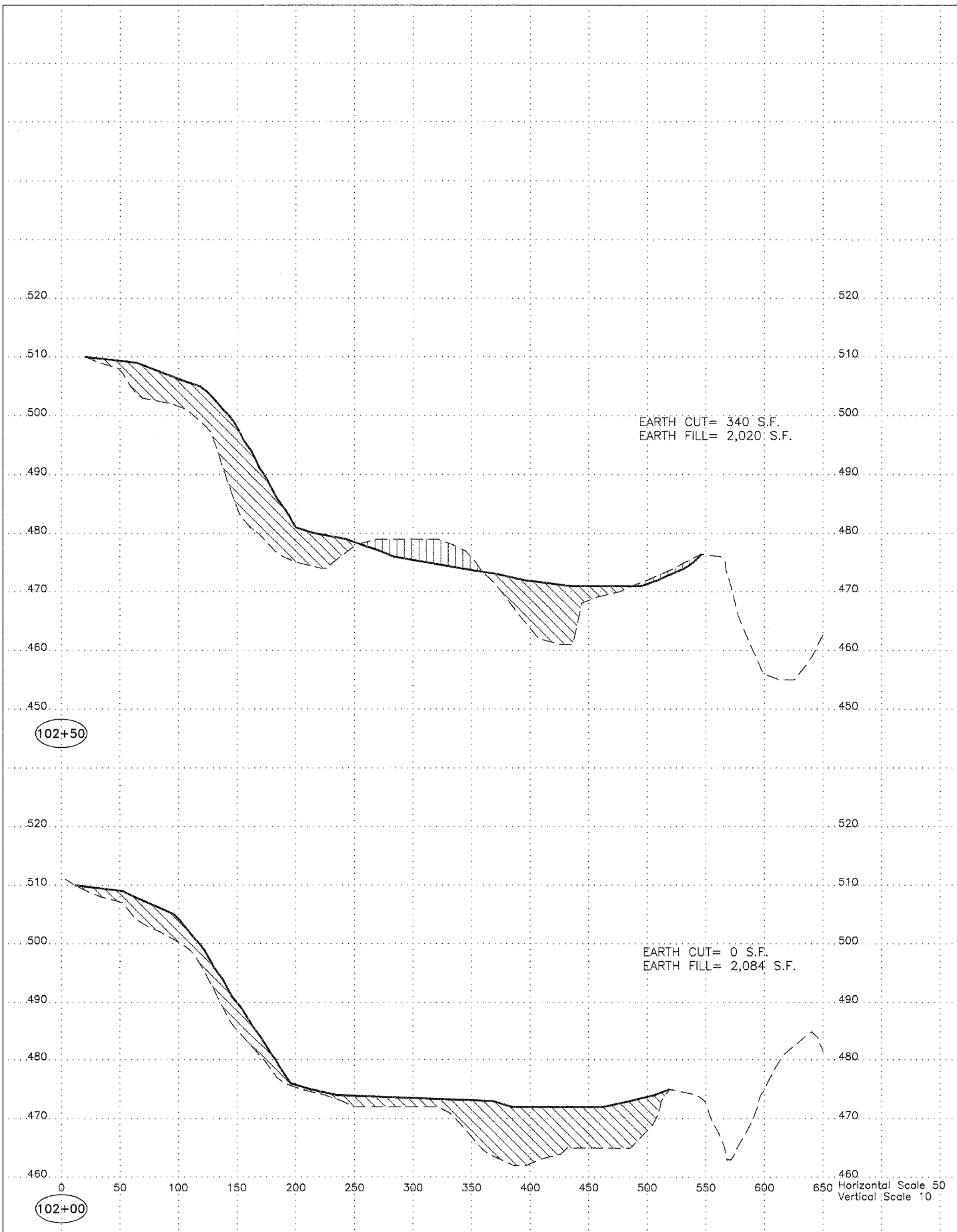
**Tab Simco Coal Co., Phase II  
Reclamation Project  
AML-GJKE-0414  
Jackson County**

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

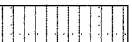
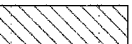


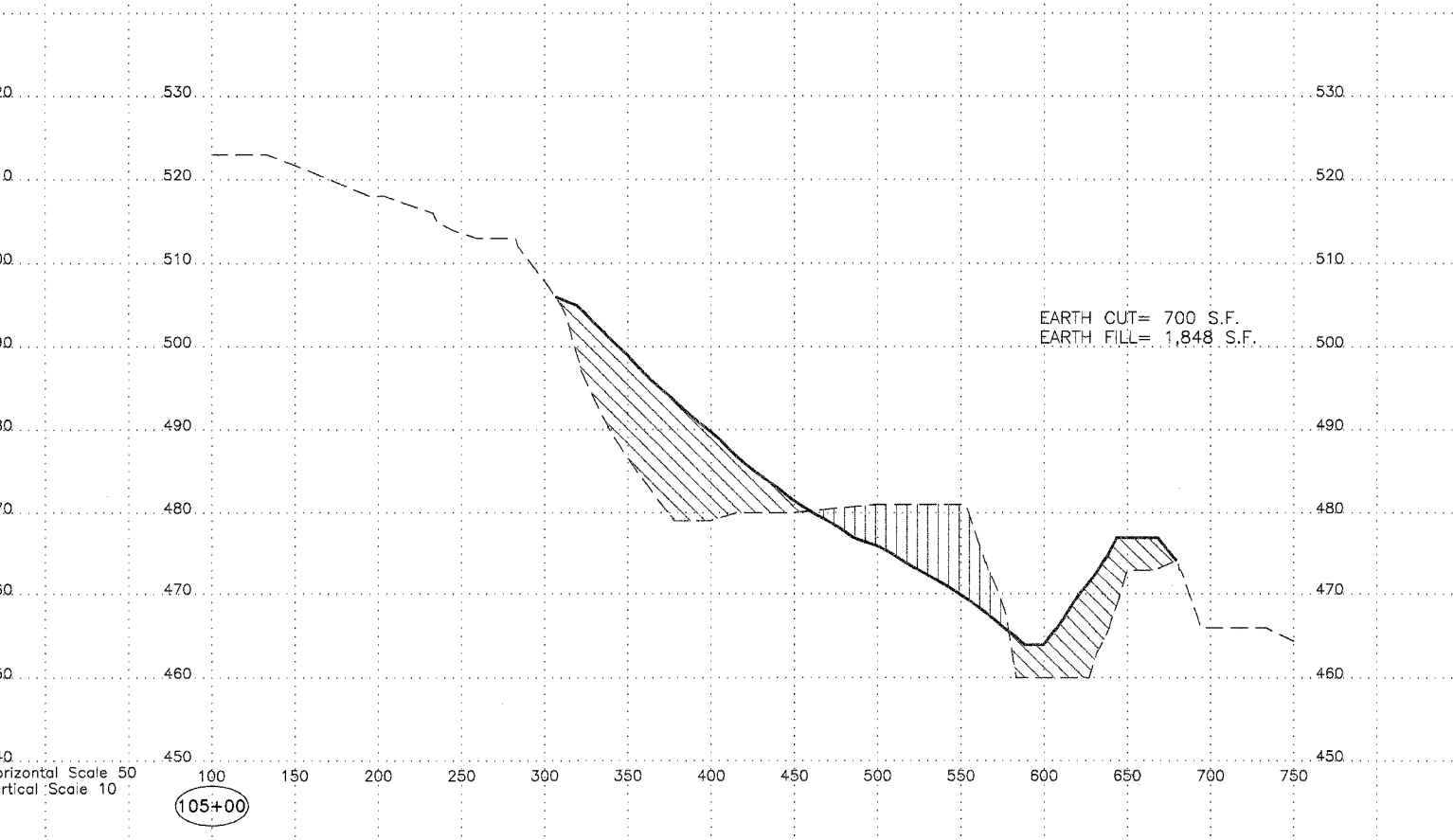
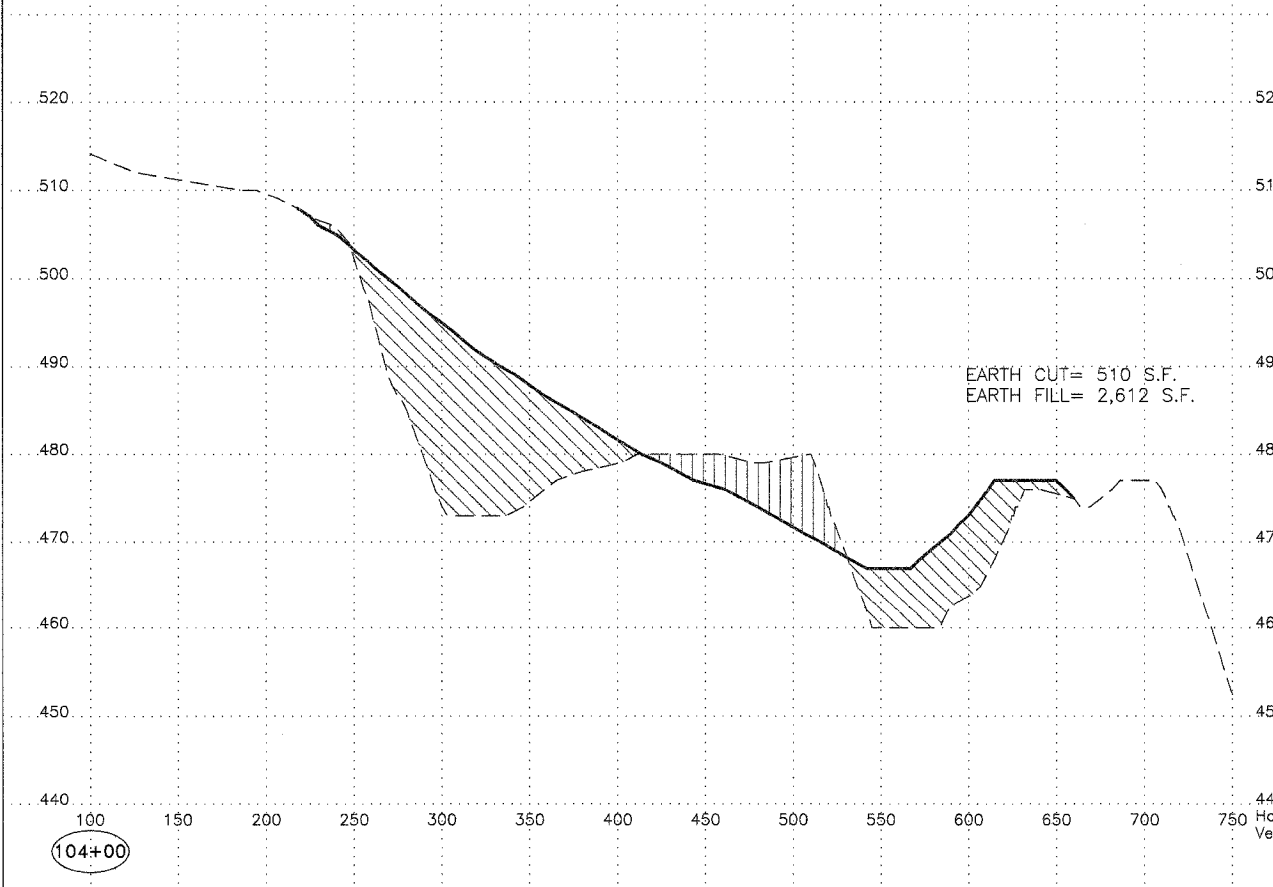
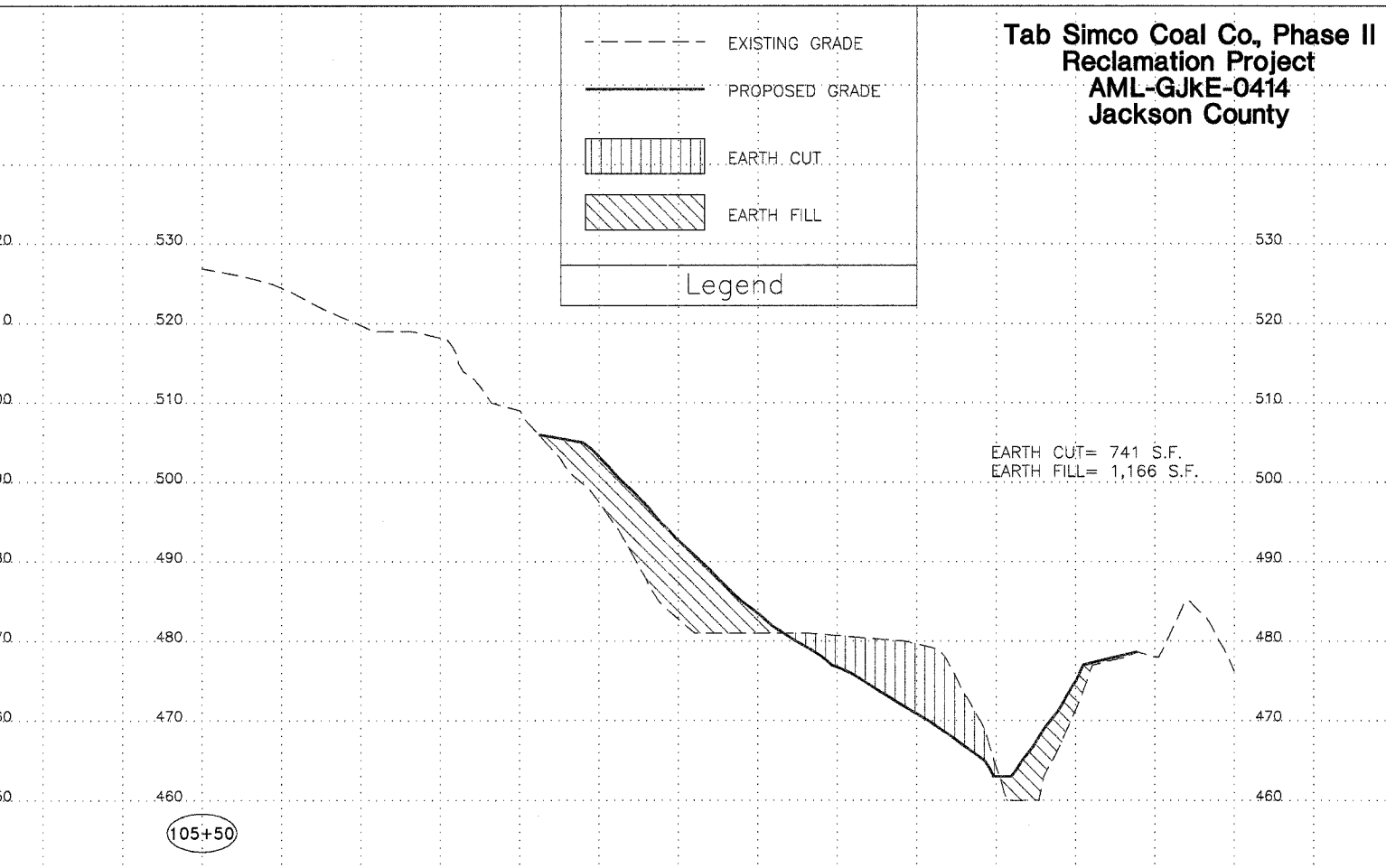
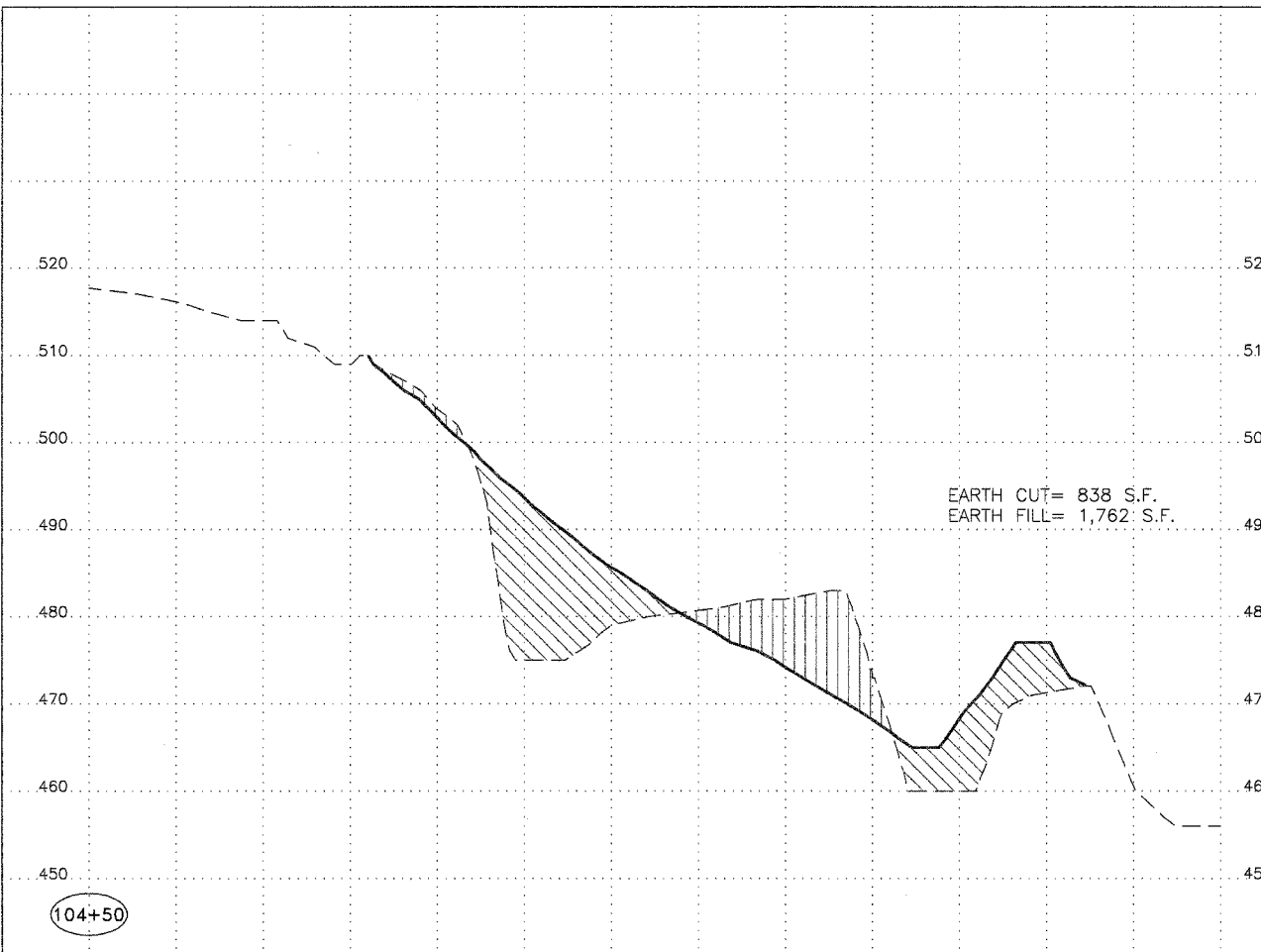
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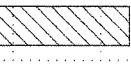
- - - - - EXISTING GRADE  
 ————— PROPOSED GRADE  
 EARTH CUT  
 EARTH FILL  
 Legend

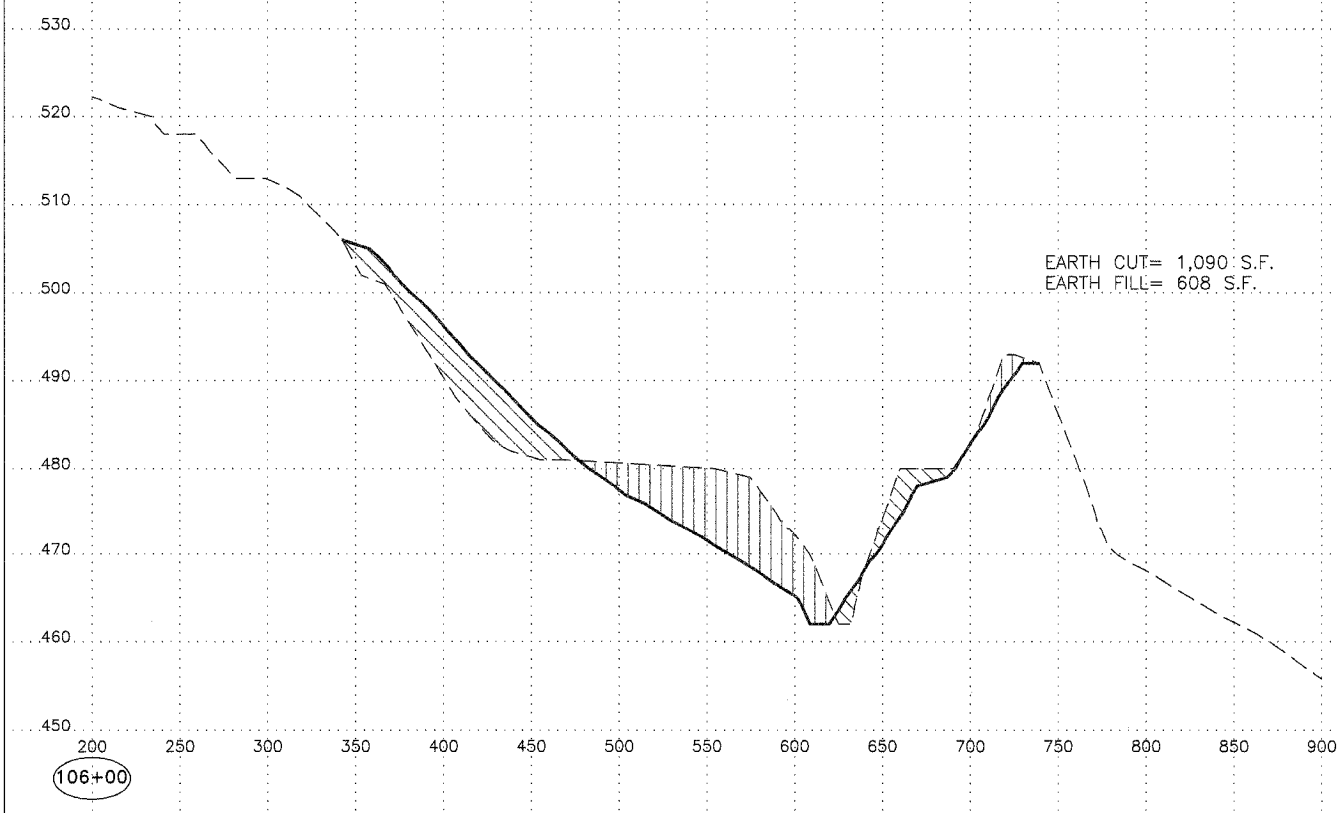
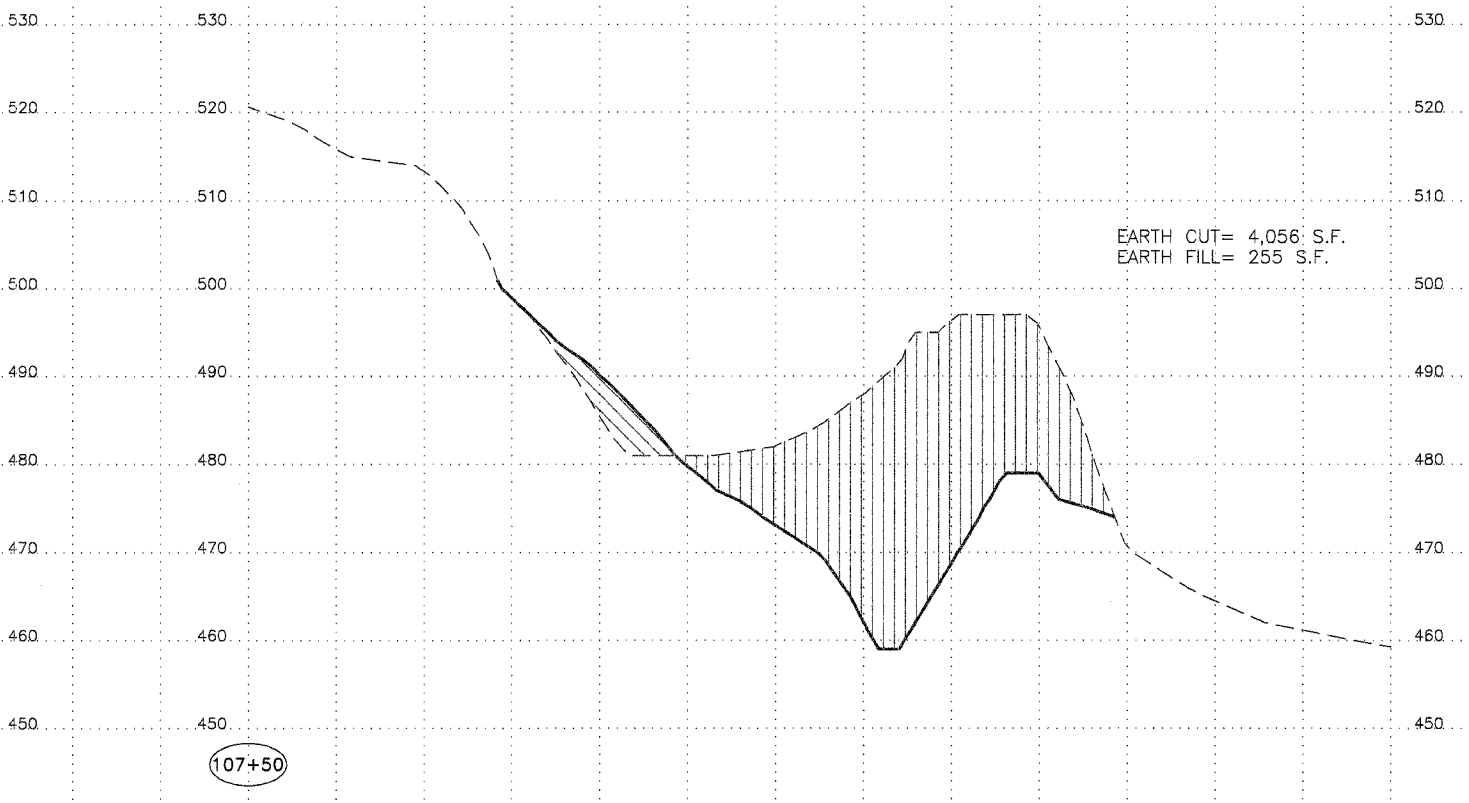
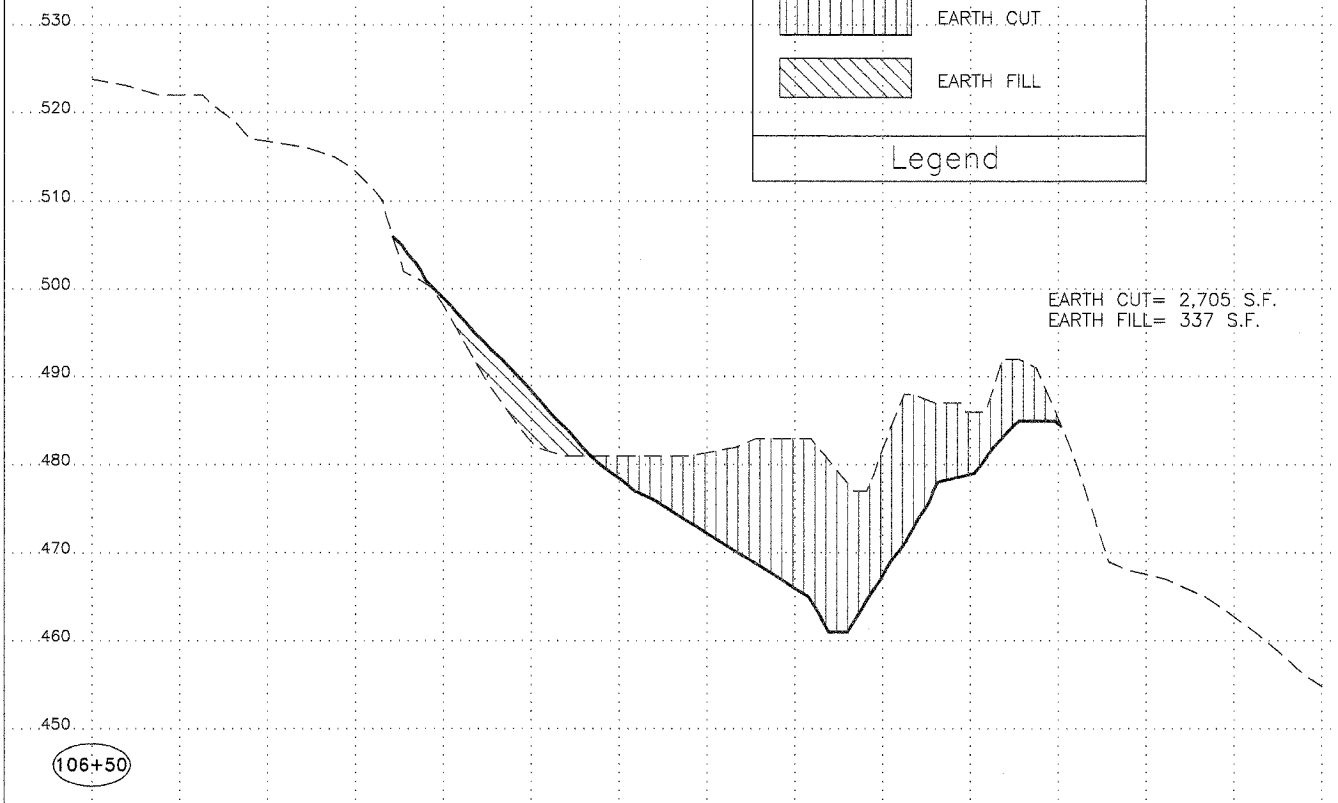


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Vertical Scale 10



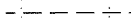

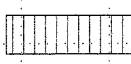
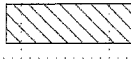
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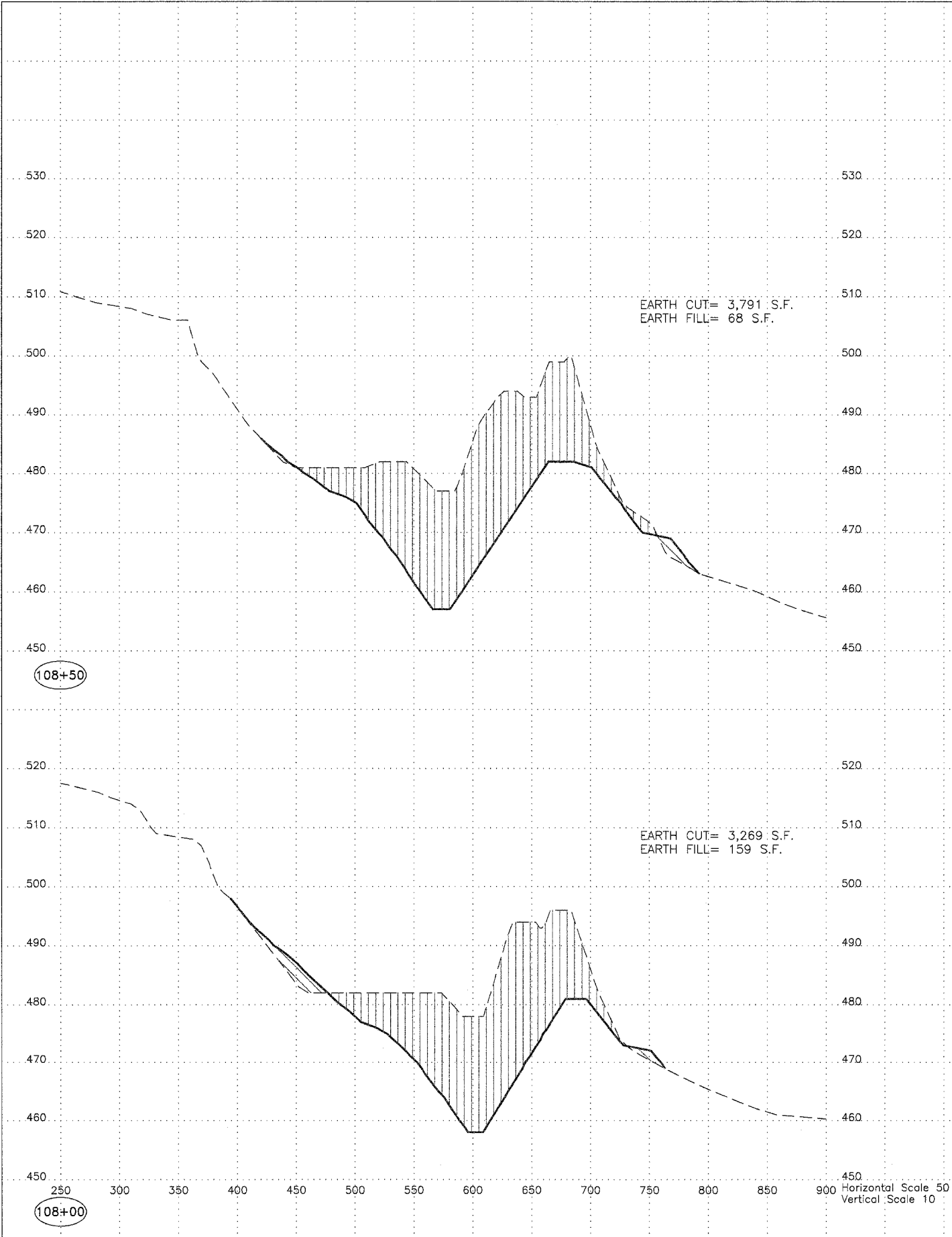
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|---|----------------|
|  | EXISTING GRADE |
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|  | EARTH CUT      |
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| Legend  |                |



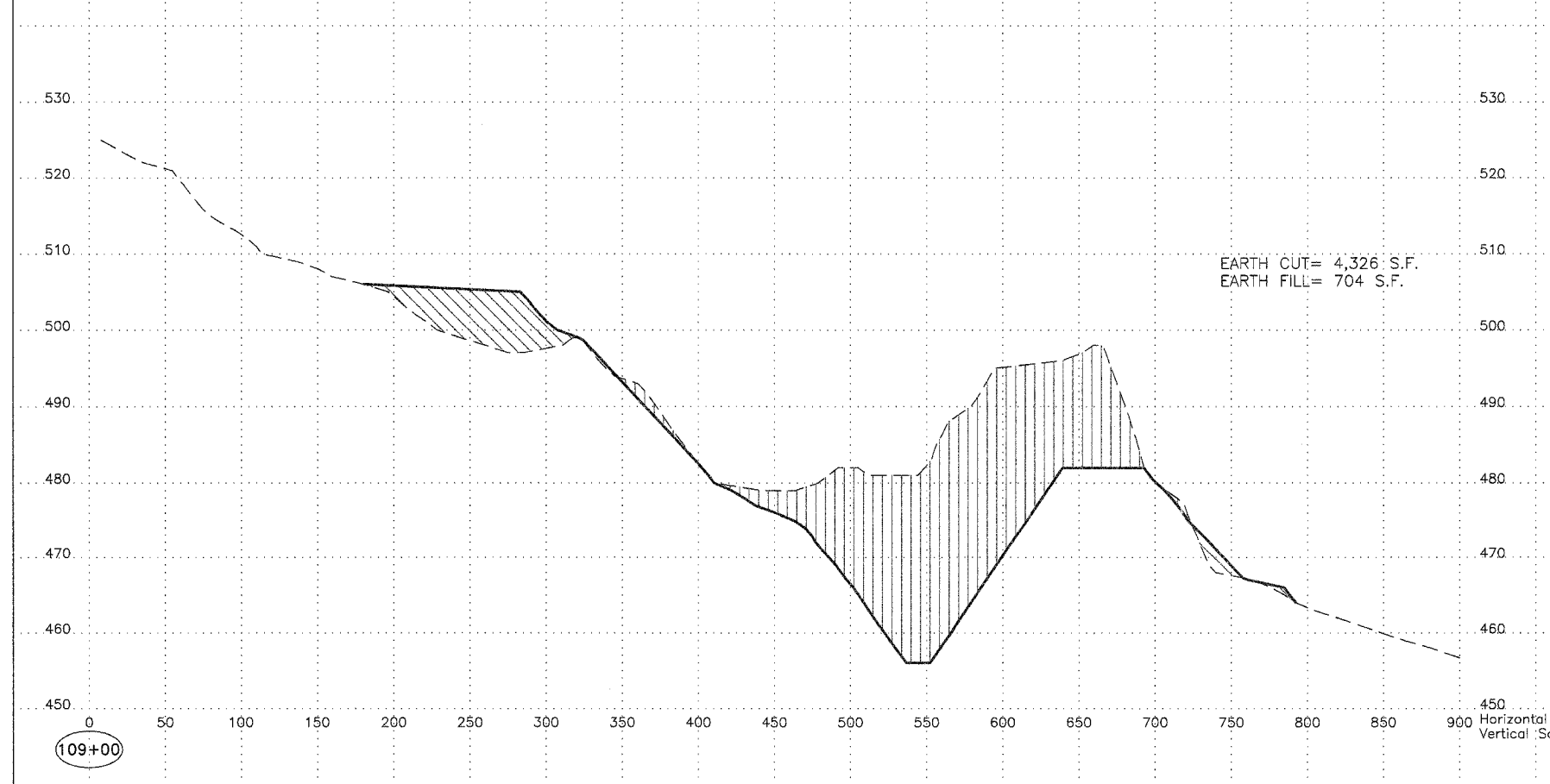
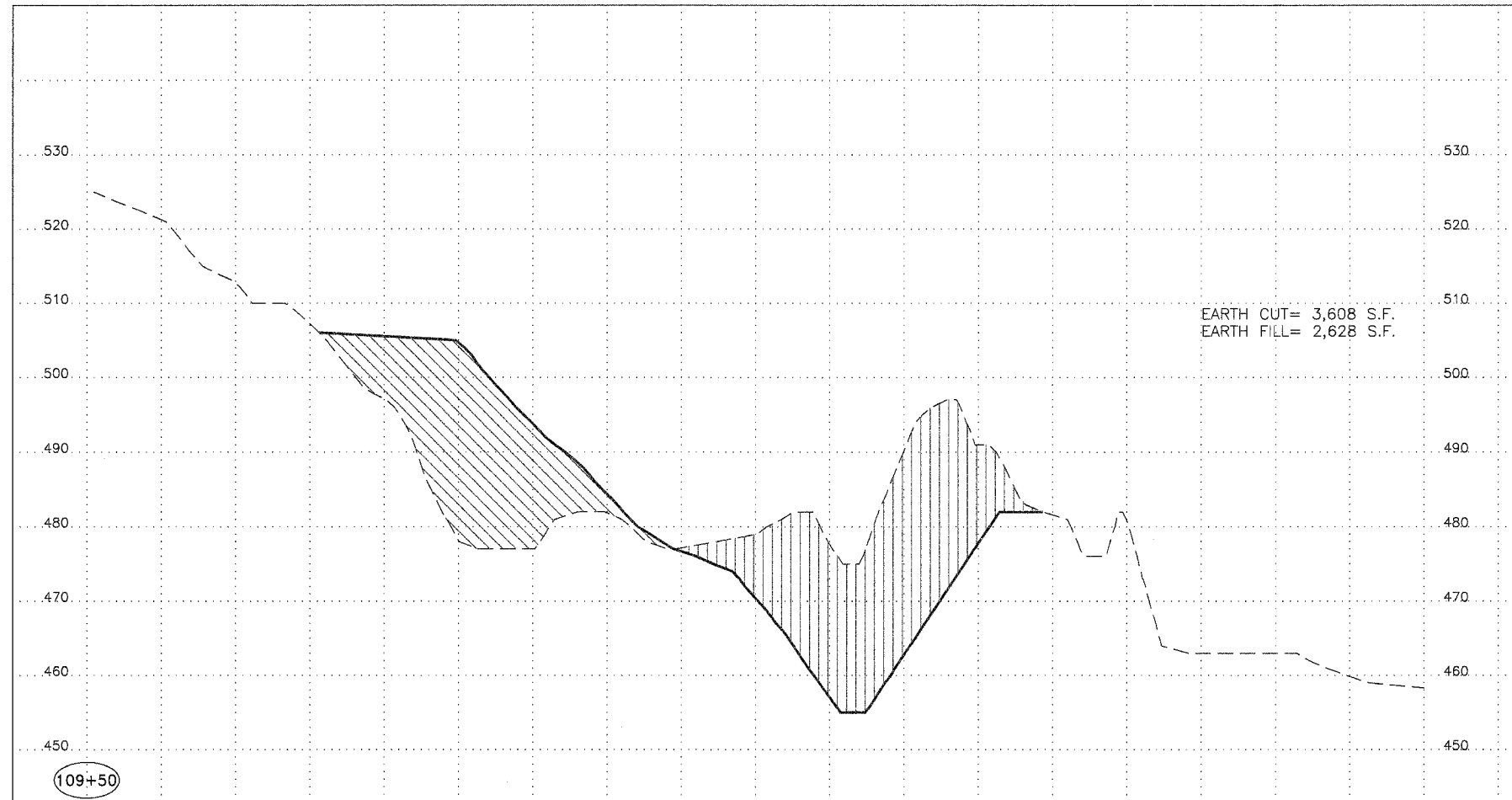
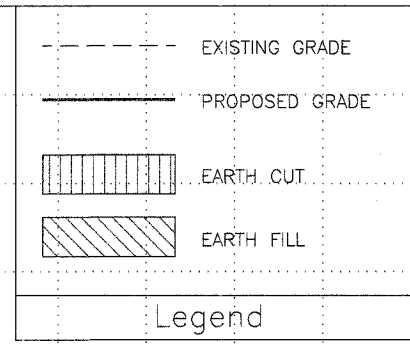
Horizontal Scale 50  
Vertical Scale 10

**Tab Simco Coal Co., Phase II  
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AML-GJKE-0414  
Jackson County**

|   |                |
|---|----------------|
|  | EXISTING GRADE |
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|  | EARTH CUT      |
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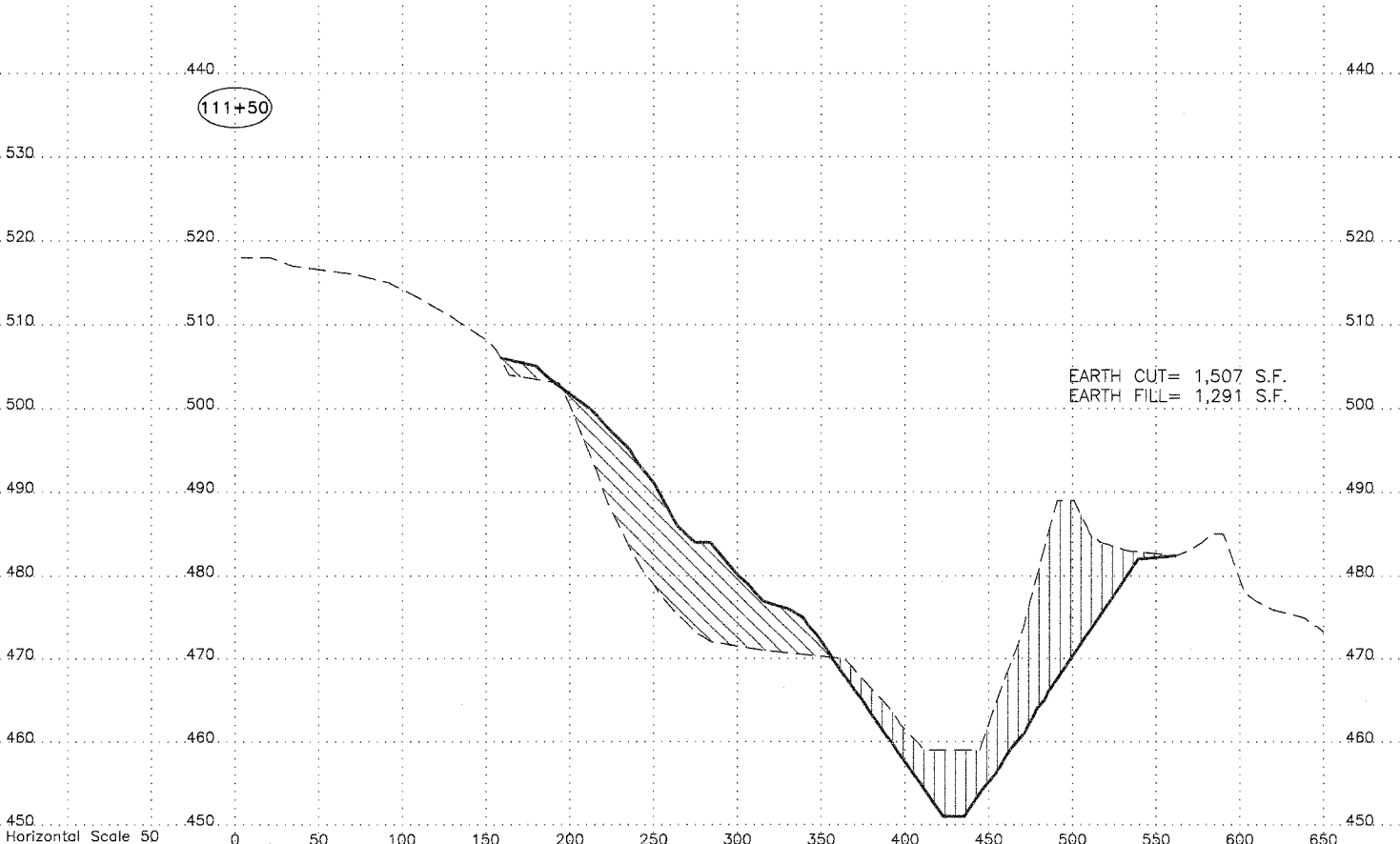
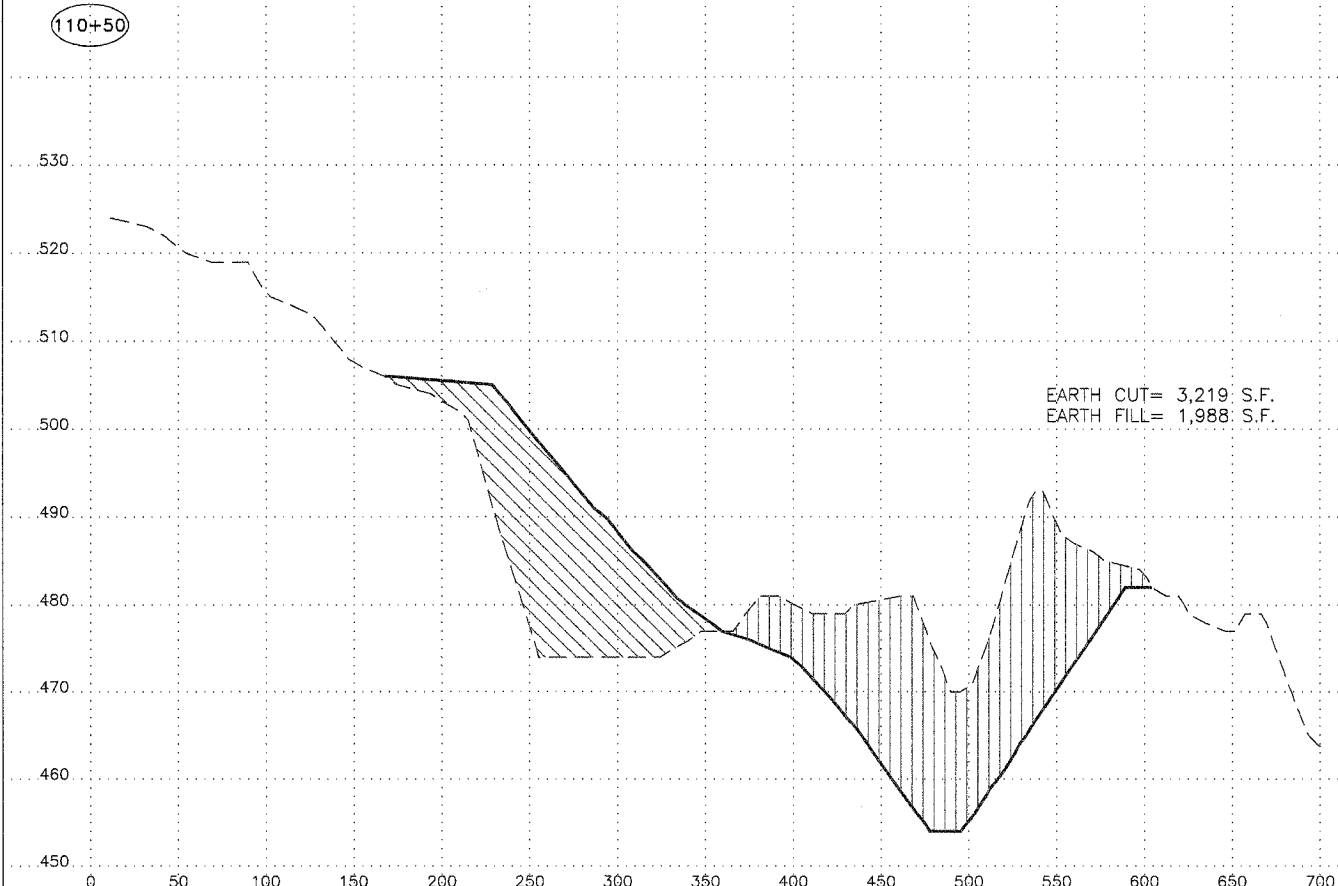
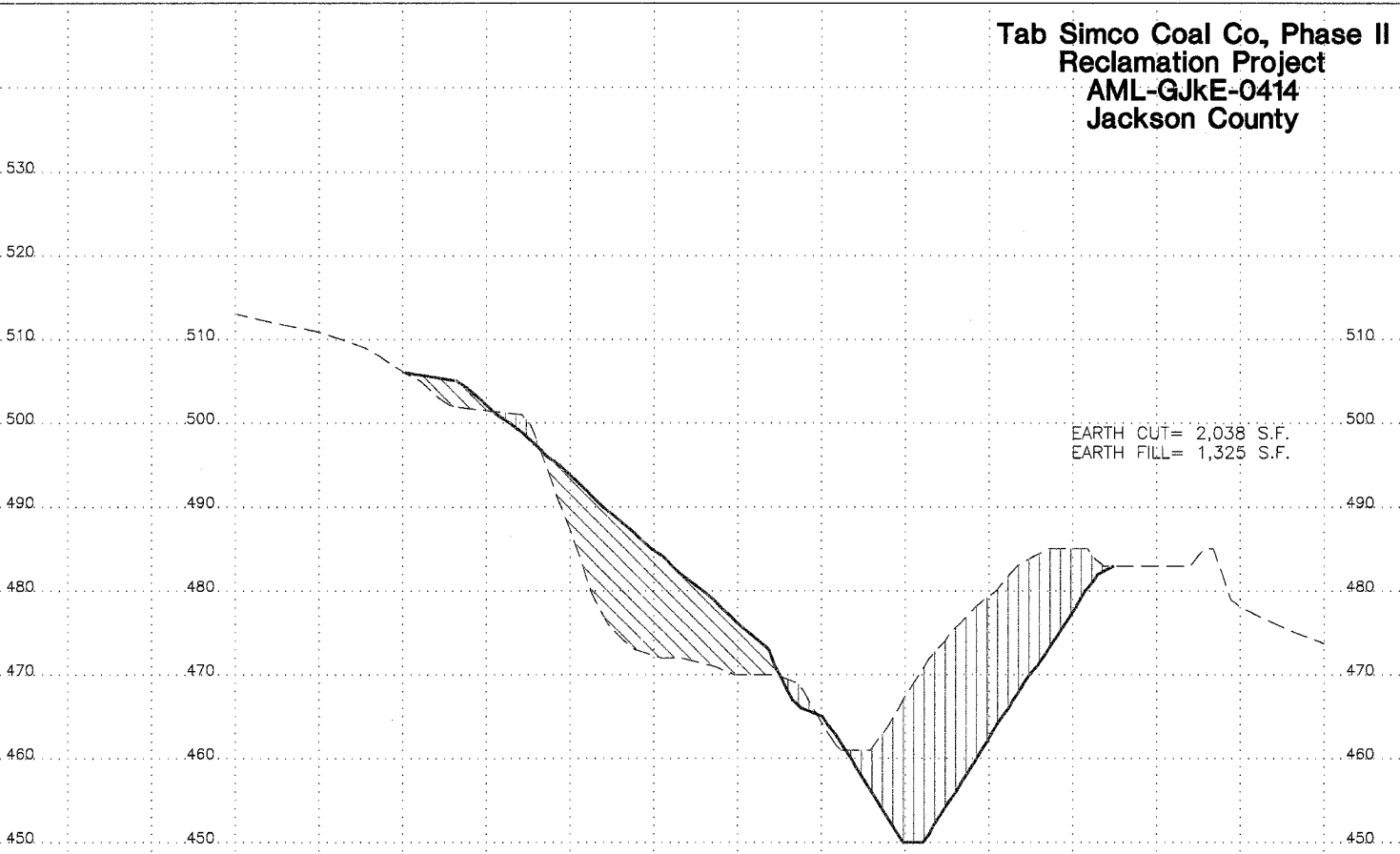
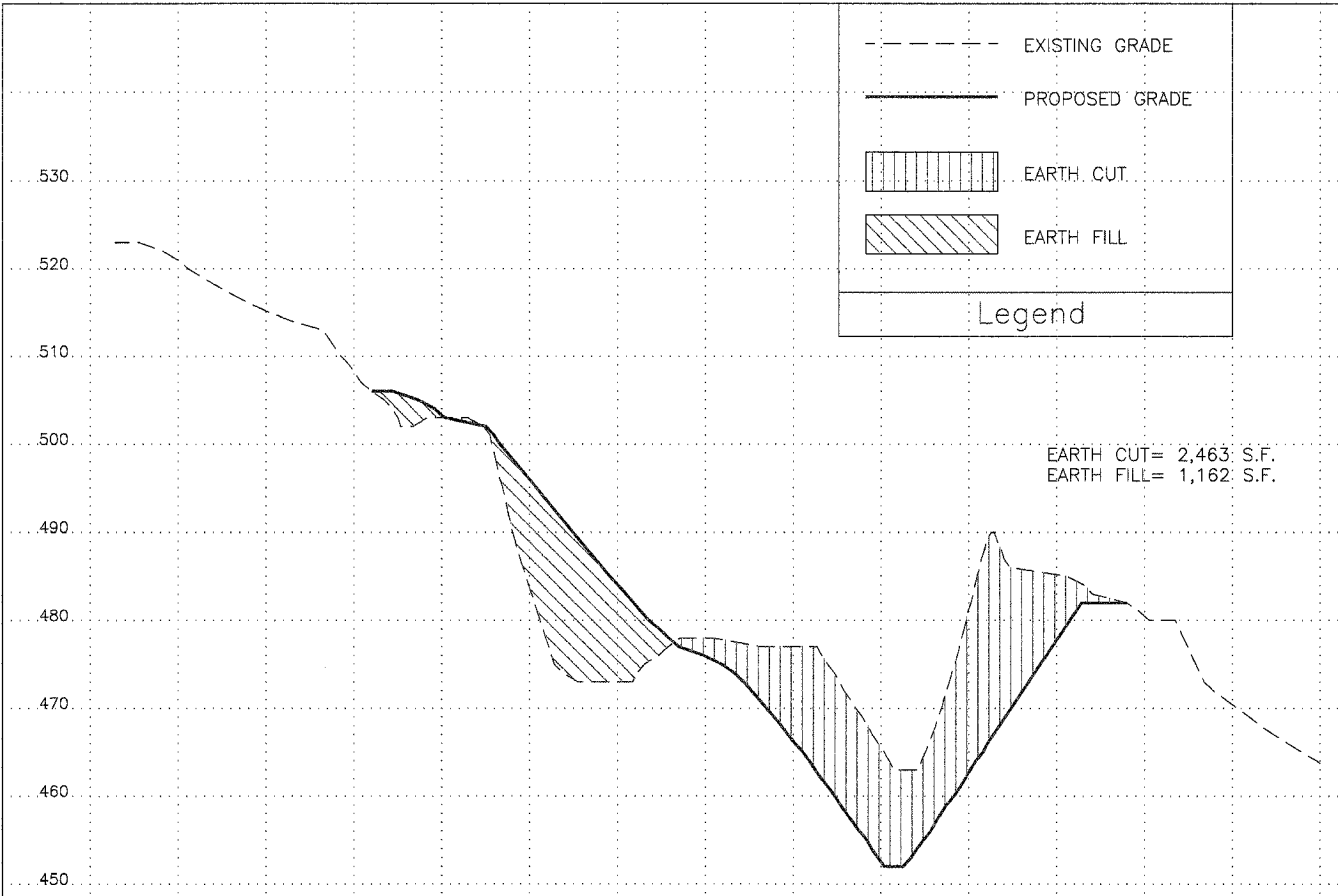
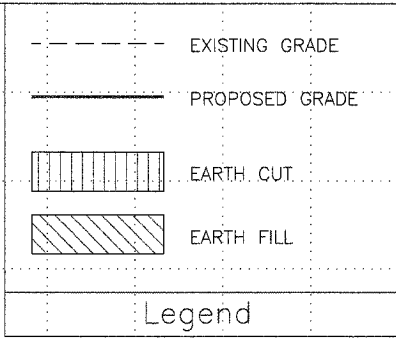
Tab Simco Coal Co., Phase II  
 Reclamation Project  
 AML-GJkE-0414  
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109+50



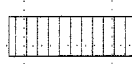
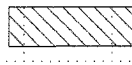
109+00

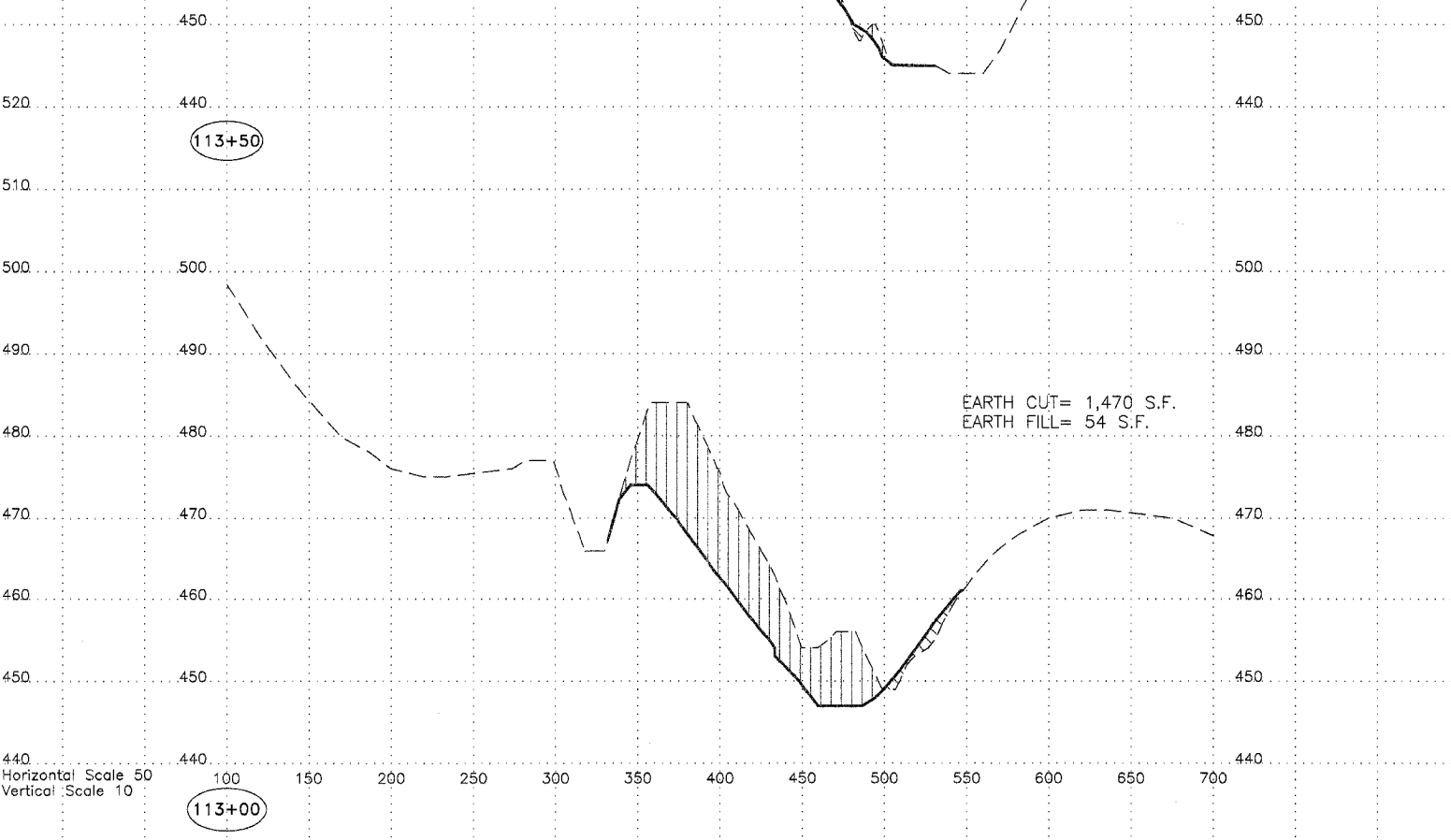
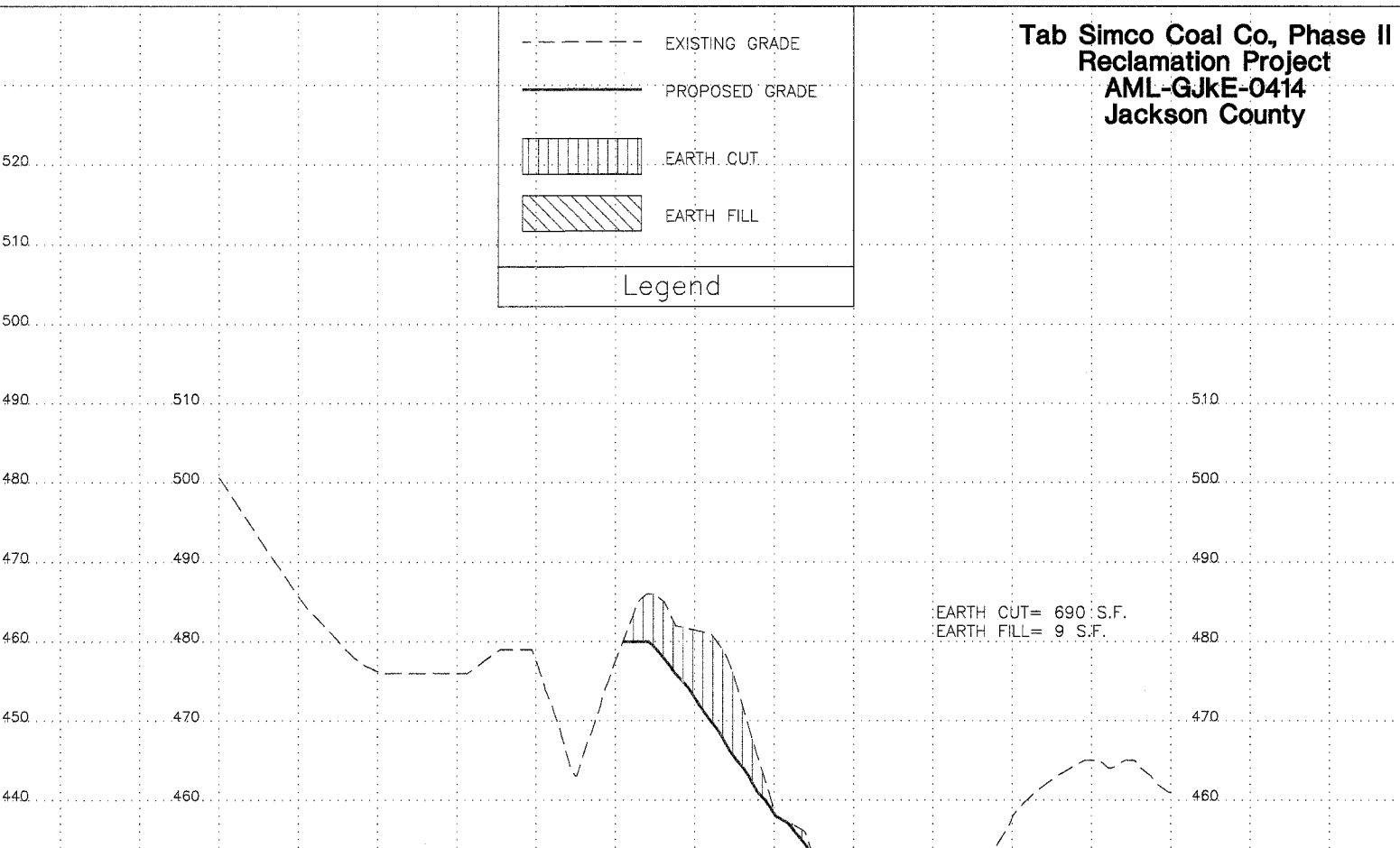
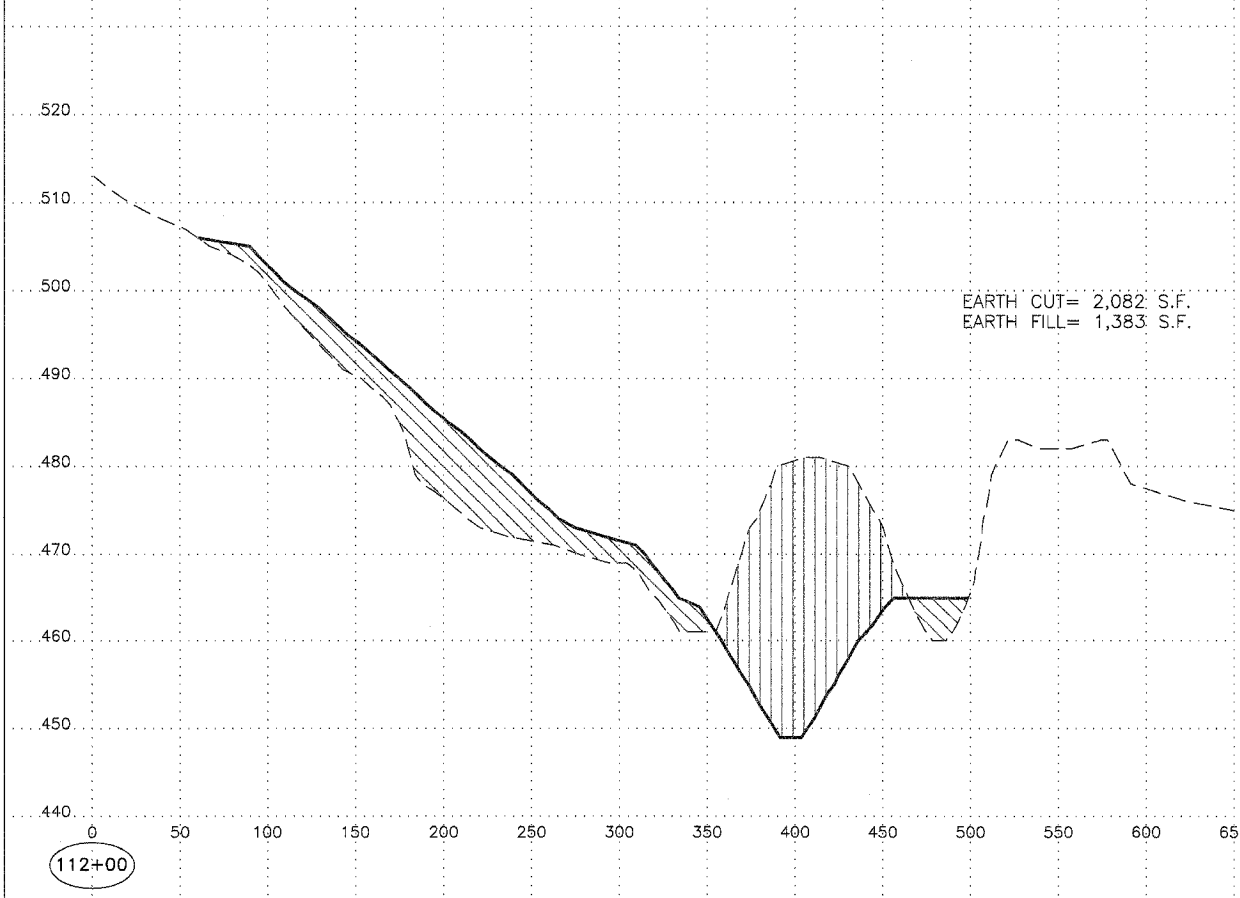
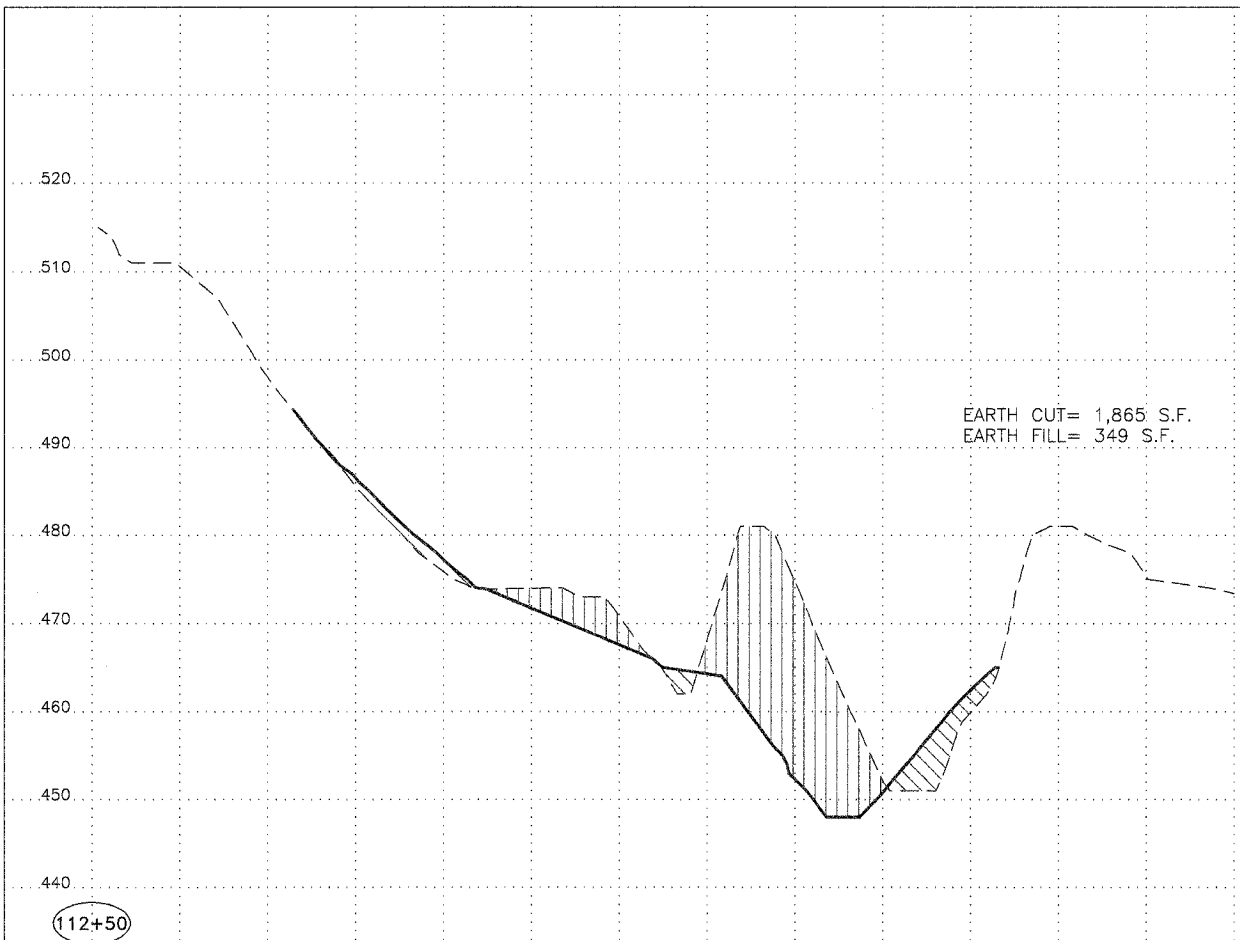
Horizontal Scale 50  
 Vertical Scale 10



Horizontal Scale 50  
Vertical Scale 10

**Tab Simco Coal Co., Phase II  
Reclamation Project  
AML-GJkE-0414  
Jackson County**

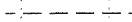

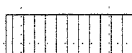
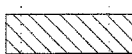
|   |                |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT      |
|  | EARTH FILL     |
| Legend  |                |

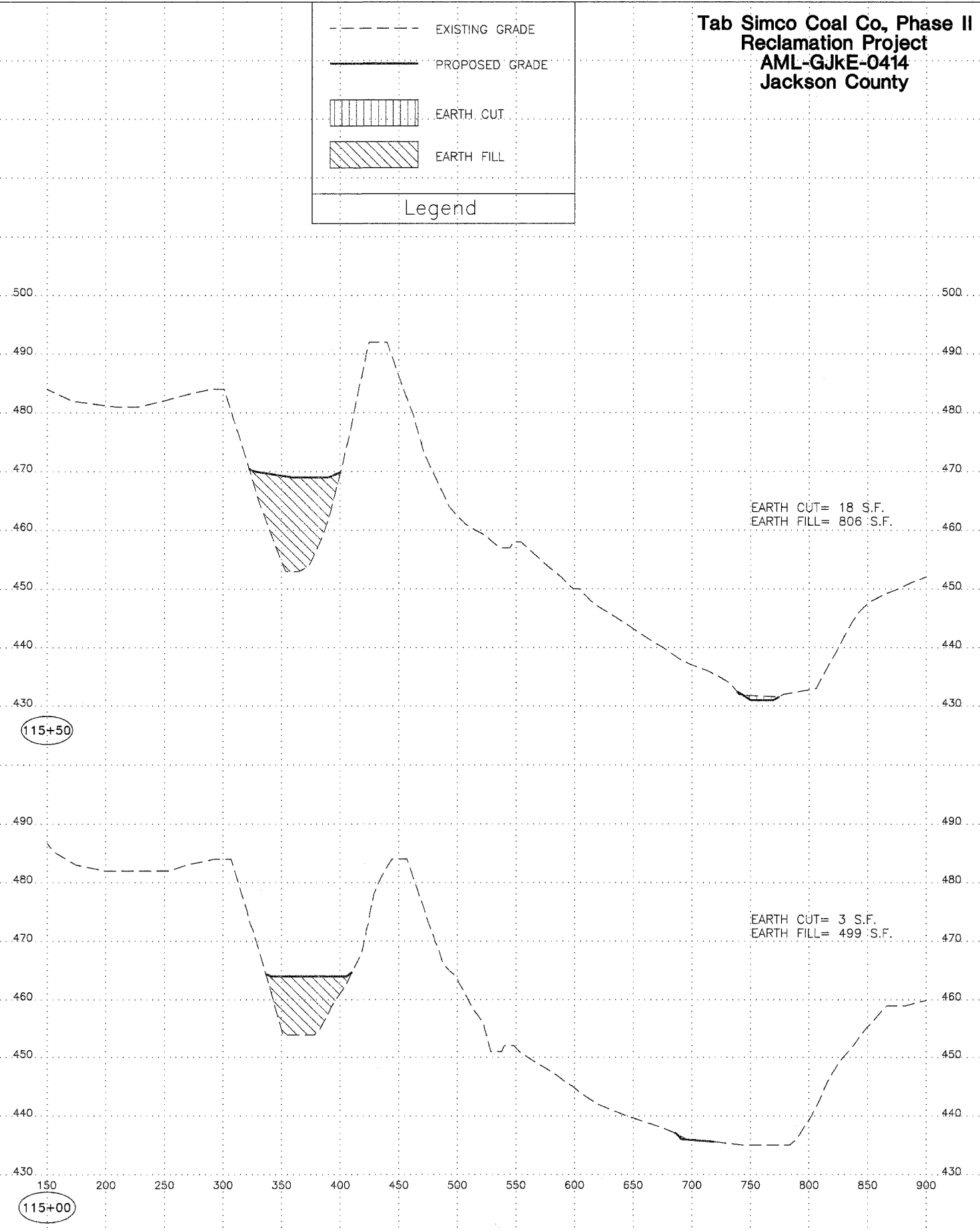
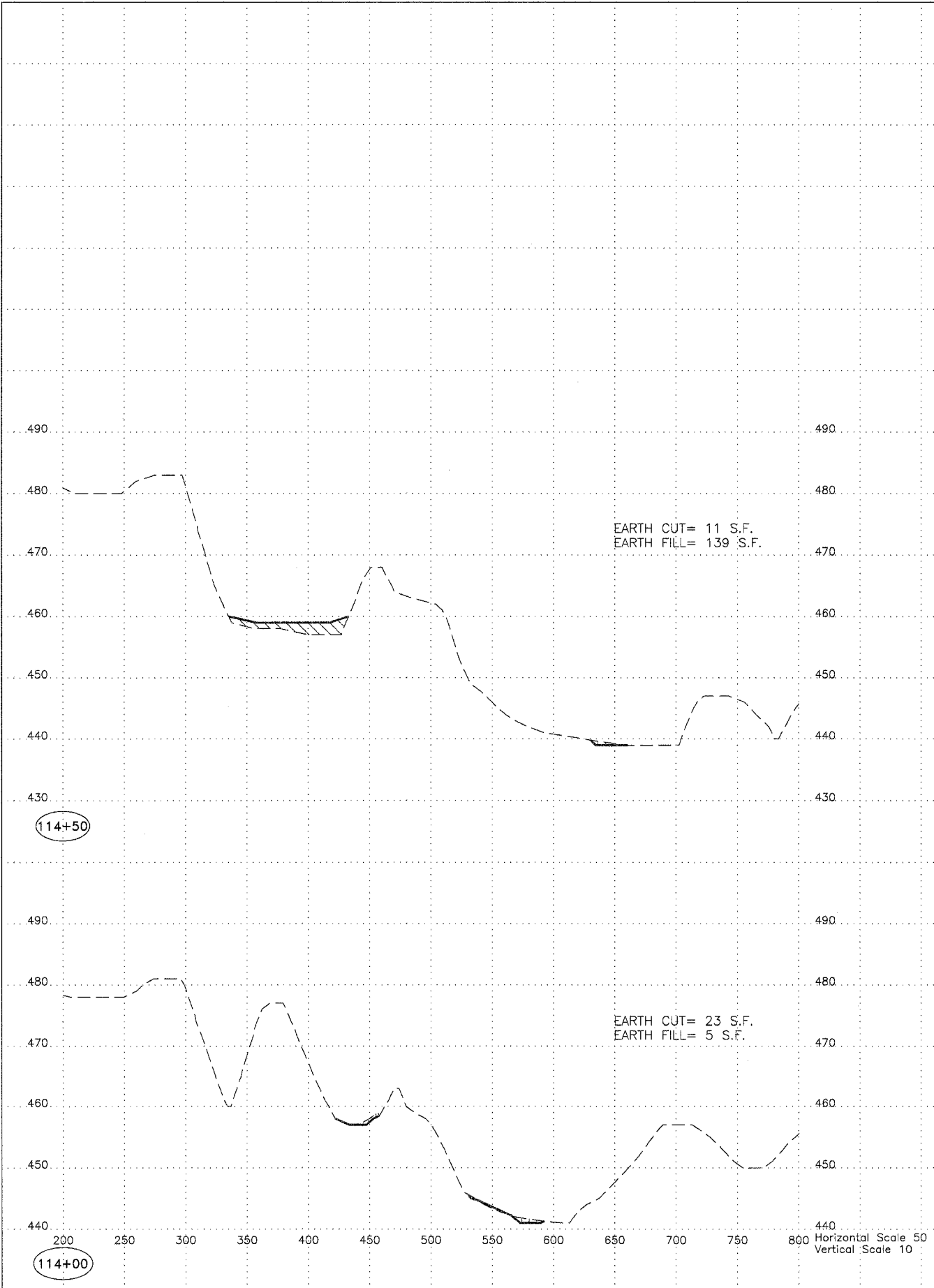


Horizontal Scale 50  
Vertical Scale 10



**Tab Simco Coal Co, Phase II  
Reclamation Project  
AML-GJKE-0414  
Jackson County**

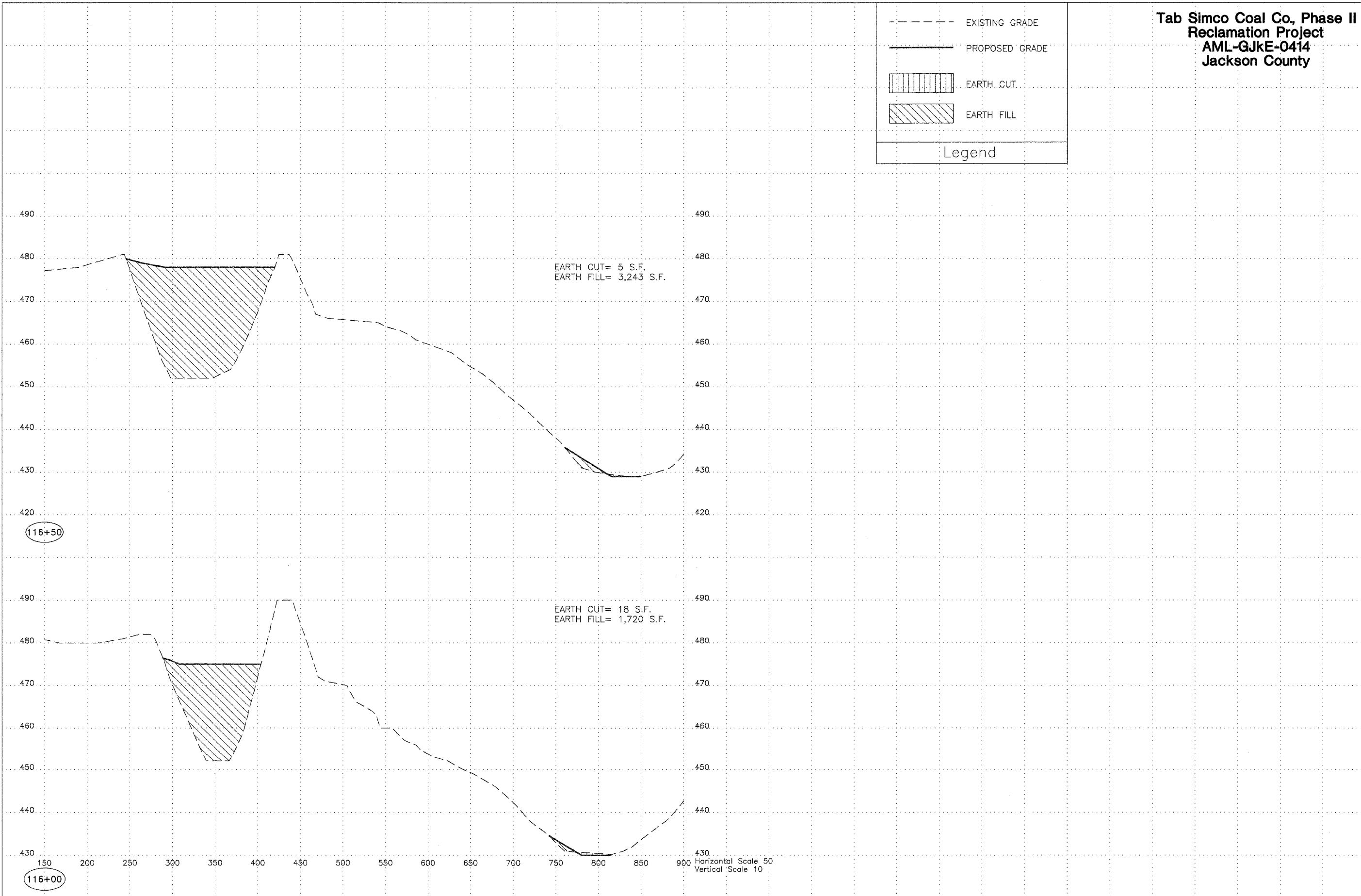
|   |                |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT      |
|  | EARTH FILL     |
| Legend  |                |



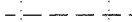


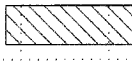
Tab Simco Coal Co., Phase II  
Reclamation Project  
AML-GJkE-0414  
Jackson County

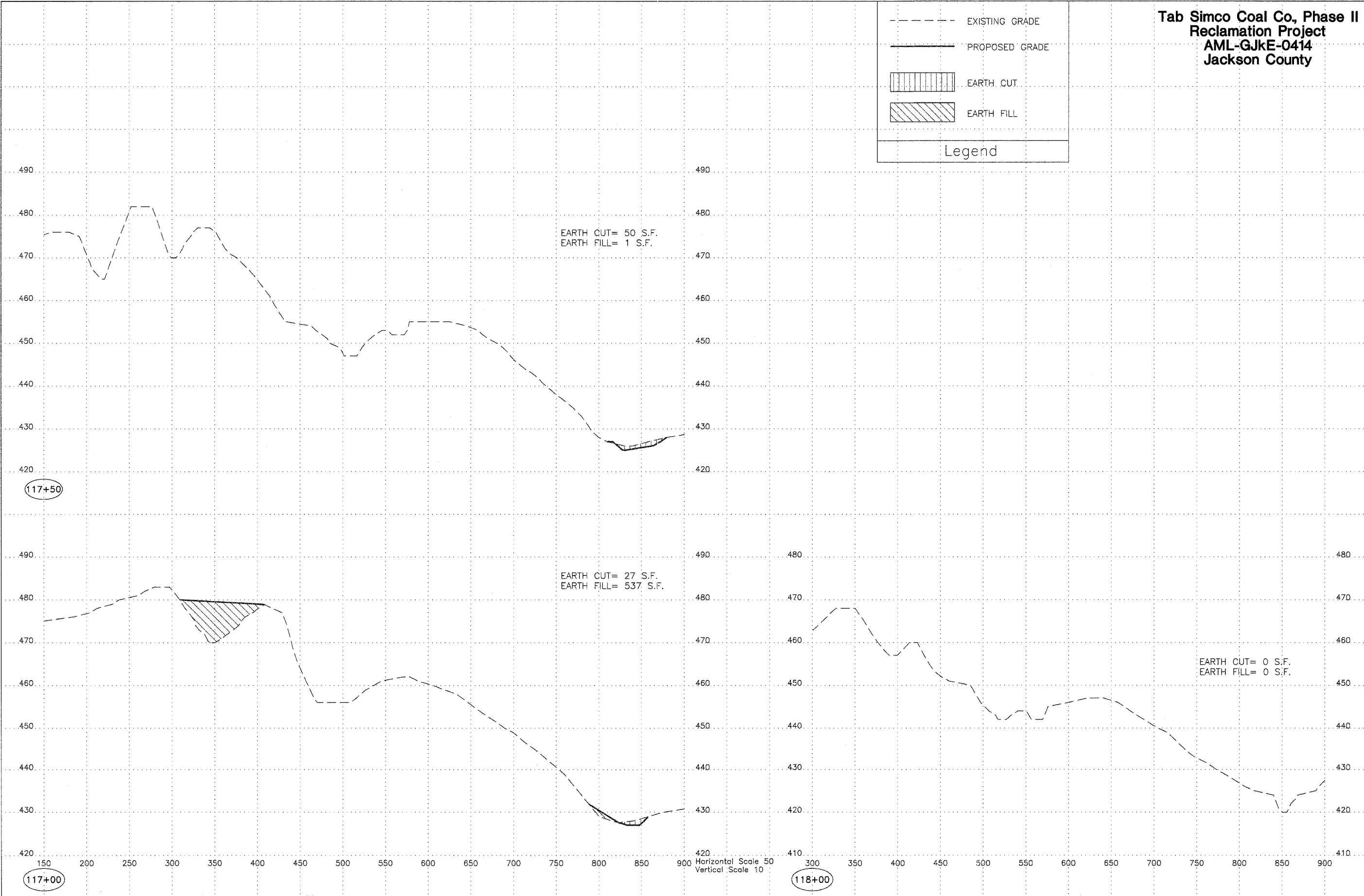
Legend

- EXISTING GRADE
- PROPOSED GRADE
- [Vertical Hatching] EARTH CUT
- [Diagonal Hatching] EARTH FILL



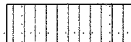
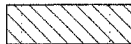


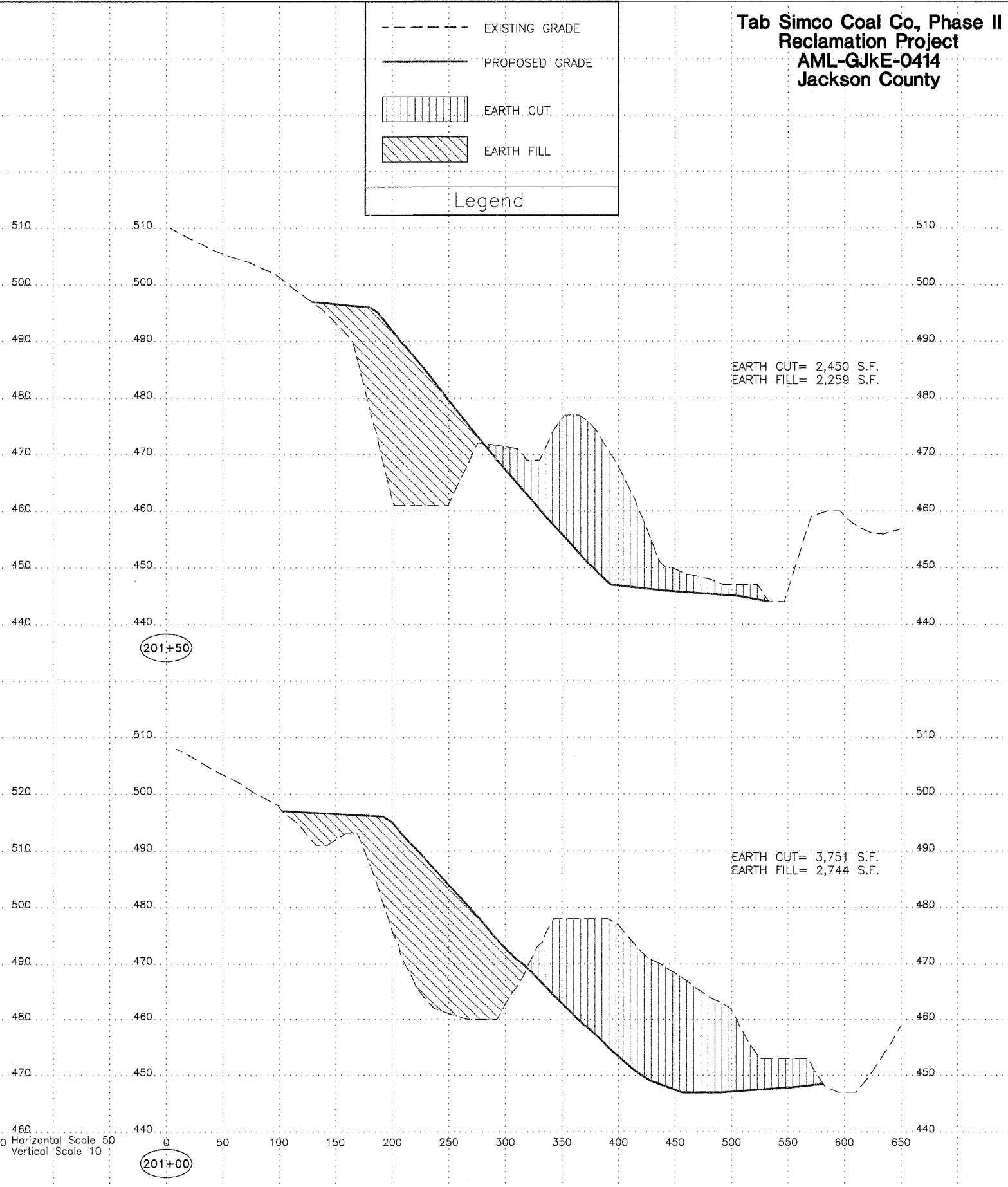
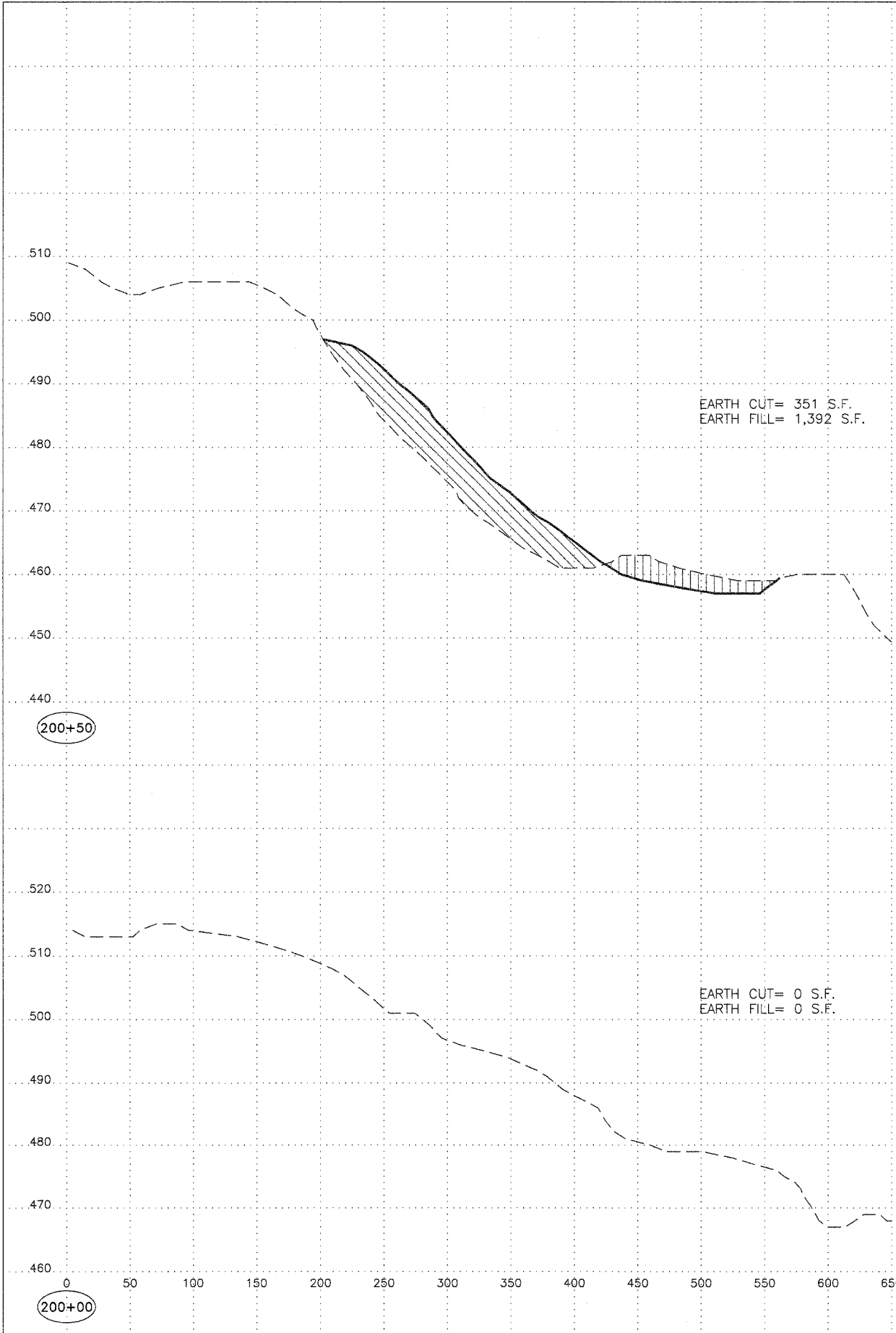
**Tab Simco Coal Co., Phase II  
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AML-GJKE-0414  
Jackson County**

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



**Tab Simco Coal Co., Phase II  
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AML-GJkE-0414  
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|   |                |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT      |
|  | EARTH FILL     |
| Legend  |                |



200+50


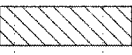
201+50

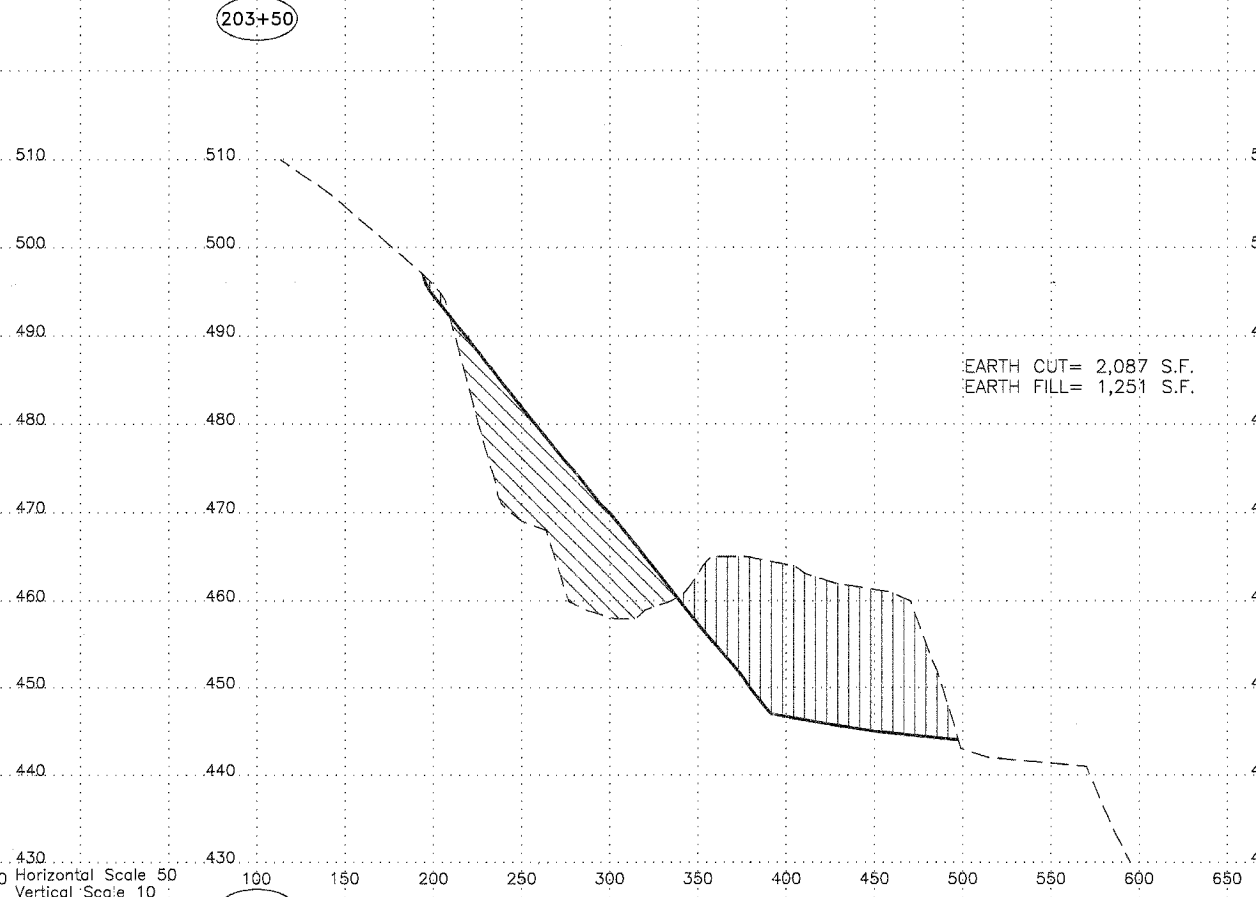
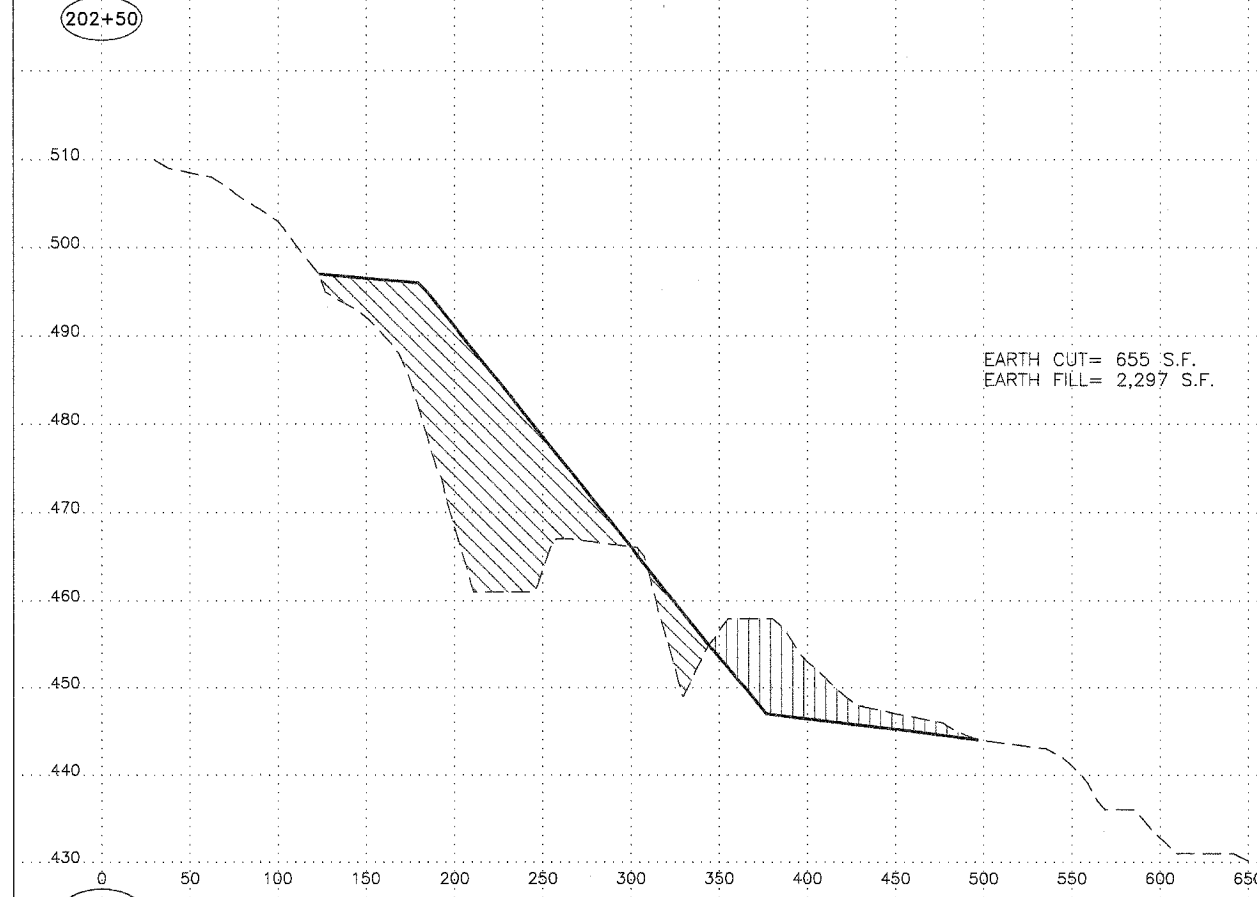
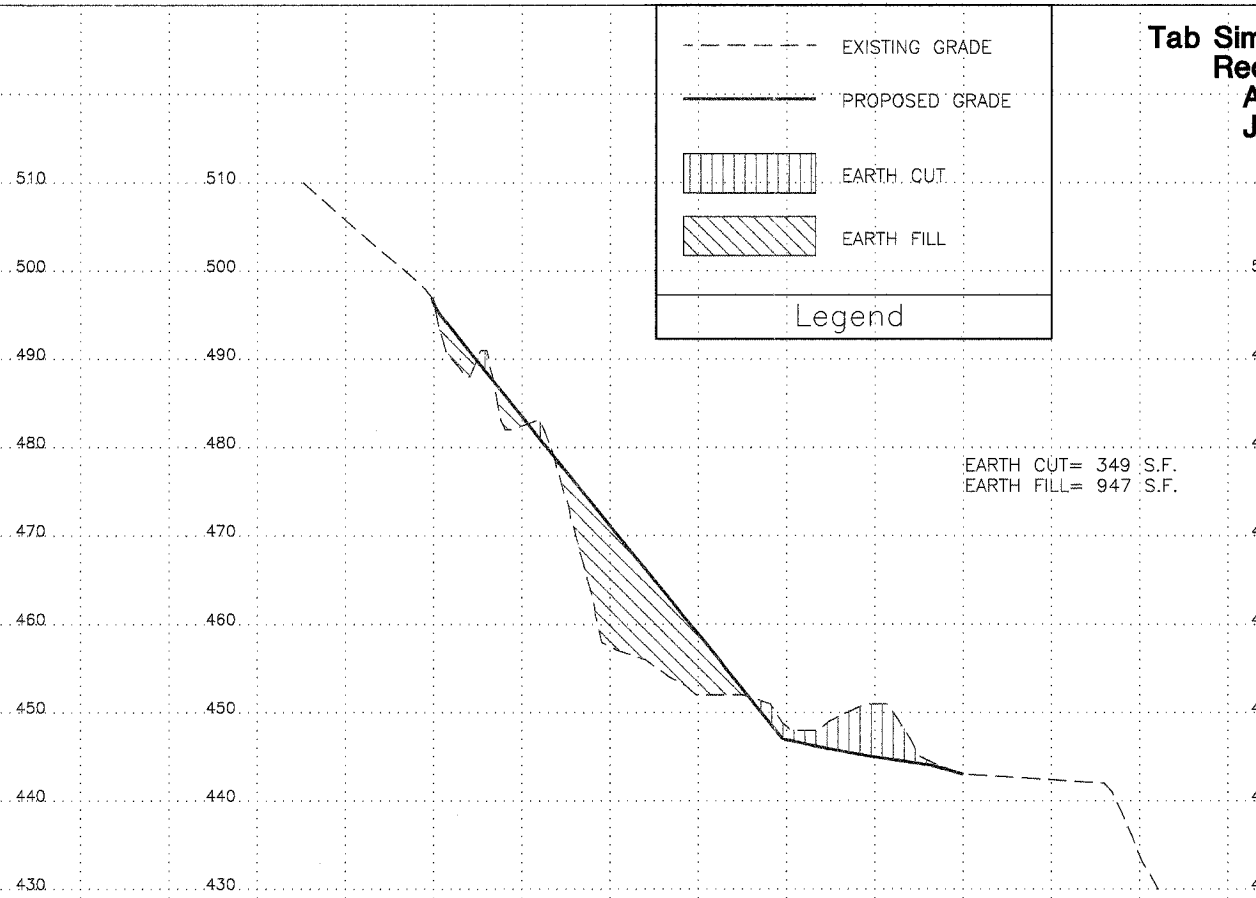
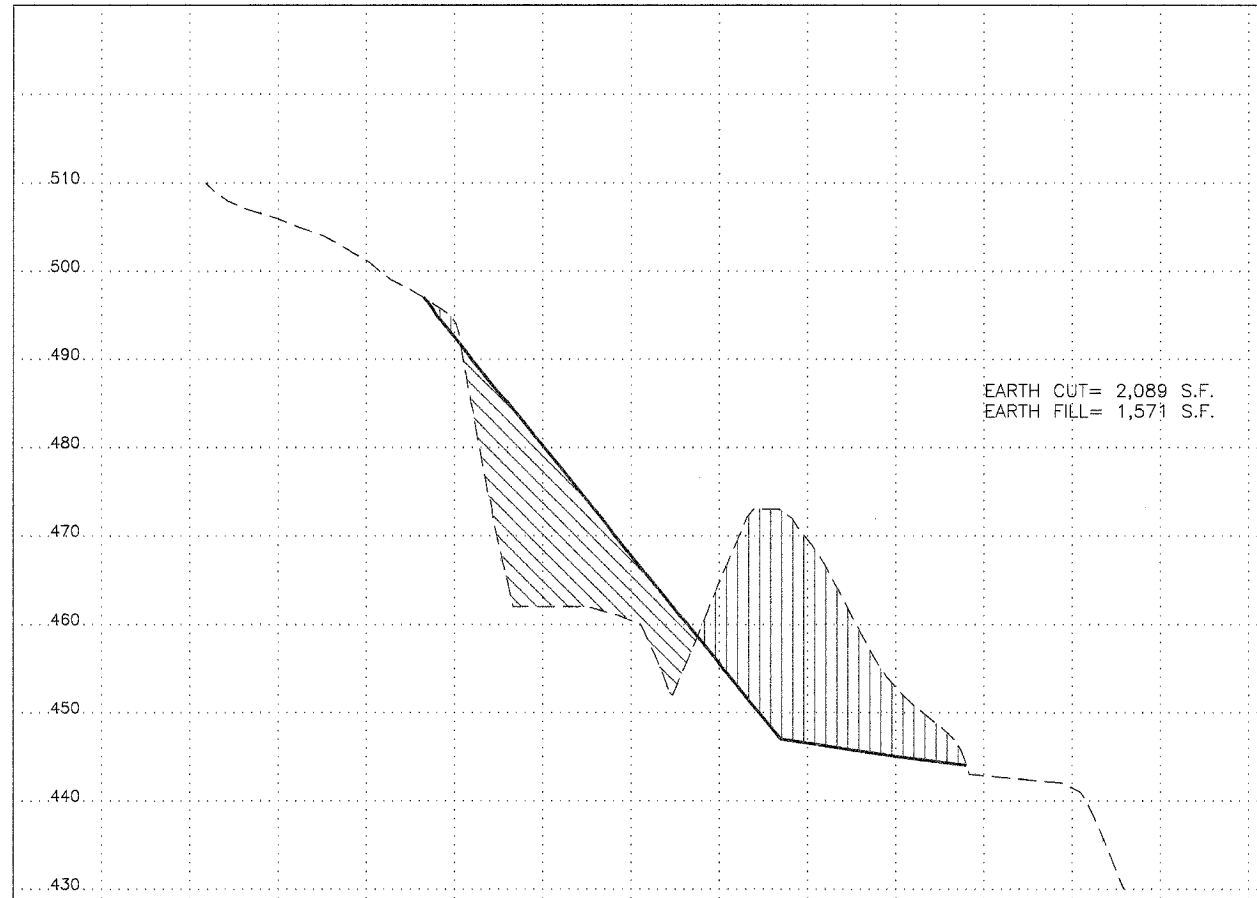
200+00

201+00

Horizontal Scale 50  
Vertical Scale 10

**Tab Simco Coal Co., Phase II  
Reclamation Project  
AML-GJkE-0414  
Jackson County**



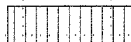
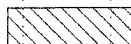
- - - - - EXISTING GRADE  
 ————— PROPOSED GRADE  
 EARTH CUT  
 EARTH FILL  
 Legend

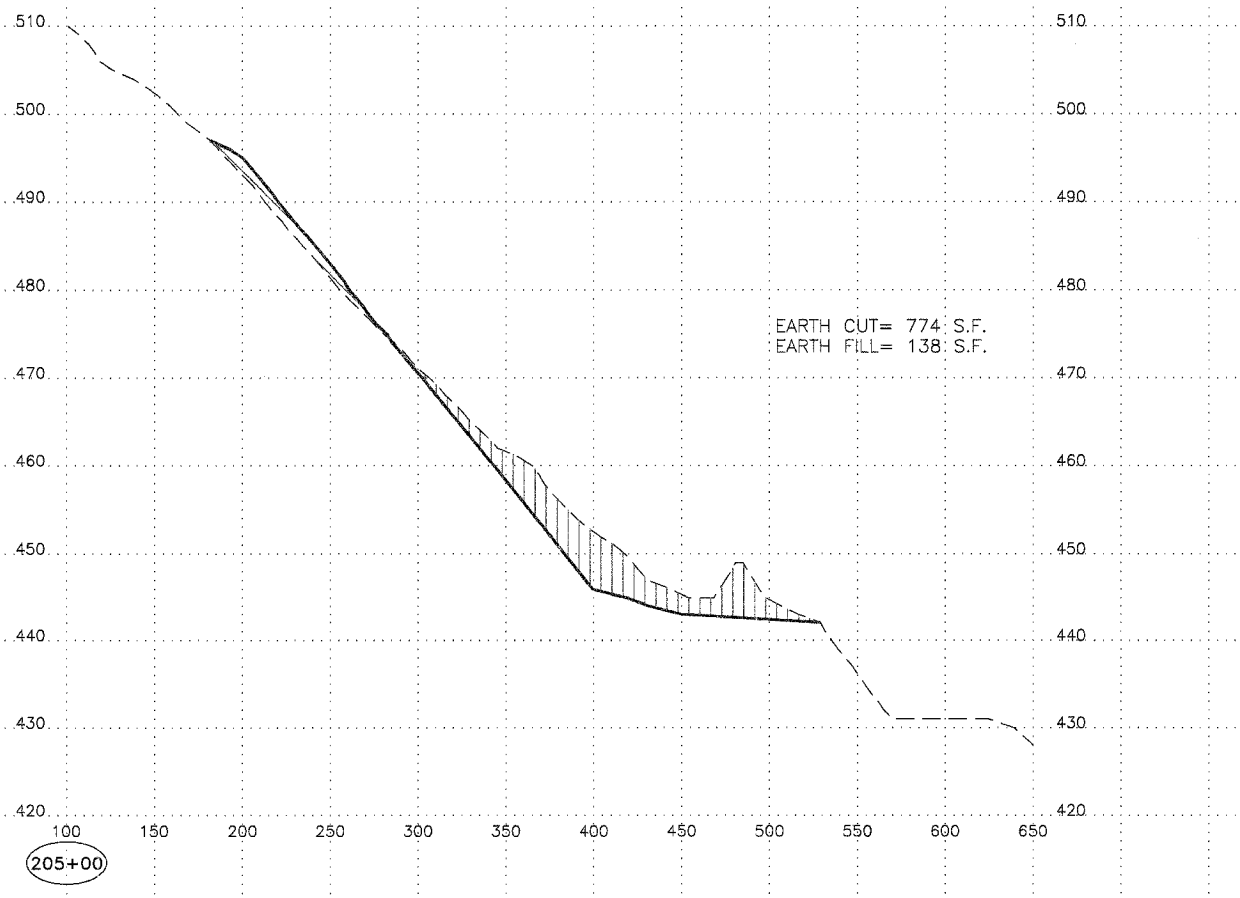
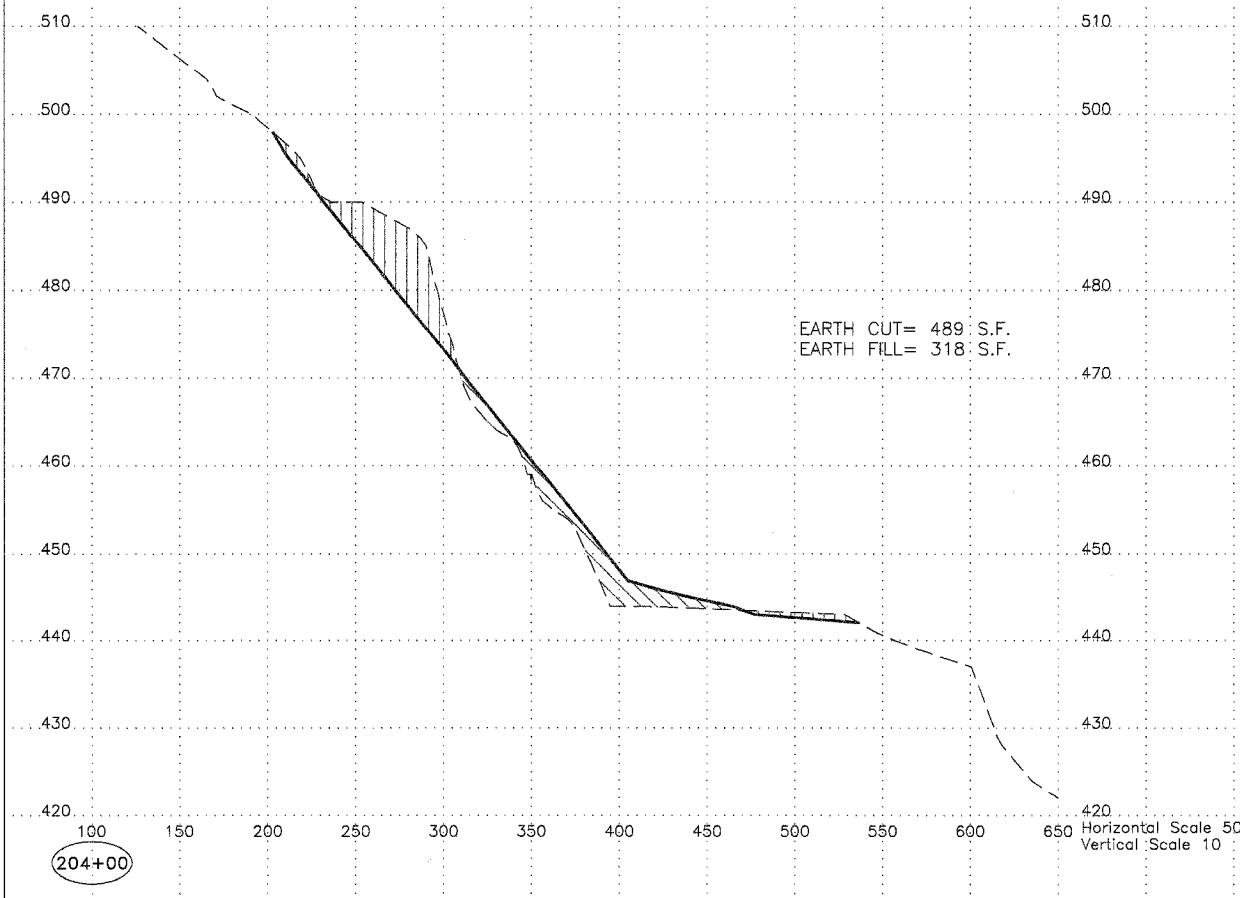
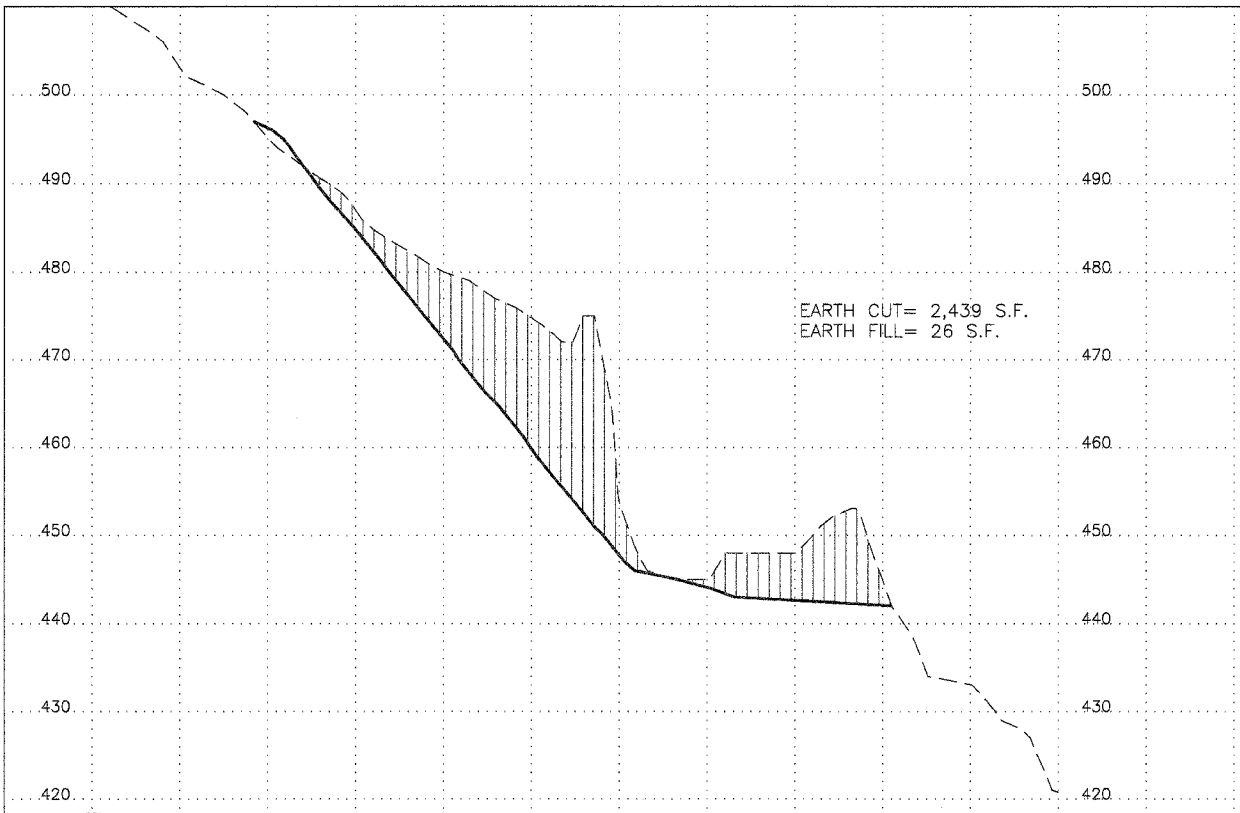


Horizontal Scale 50  
Vertical Scale 10

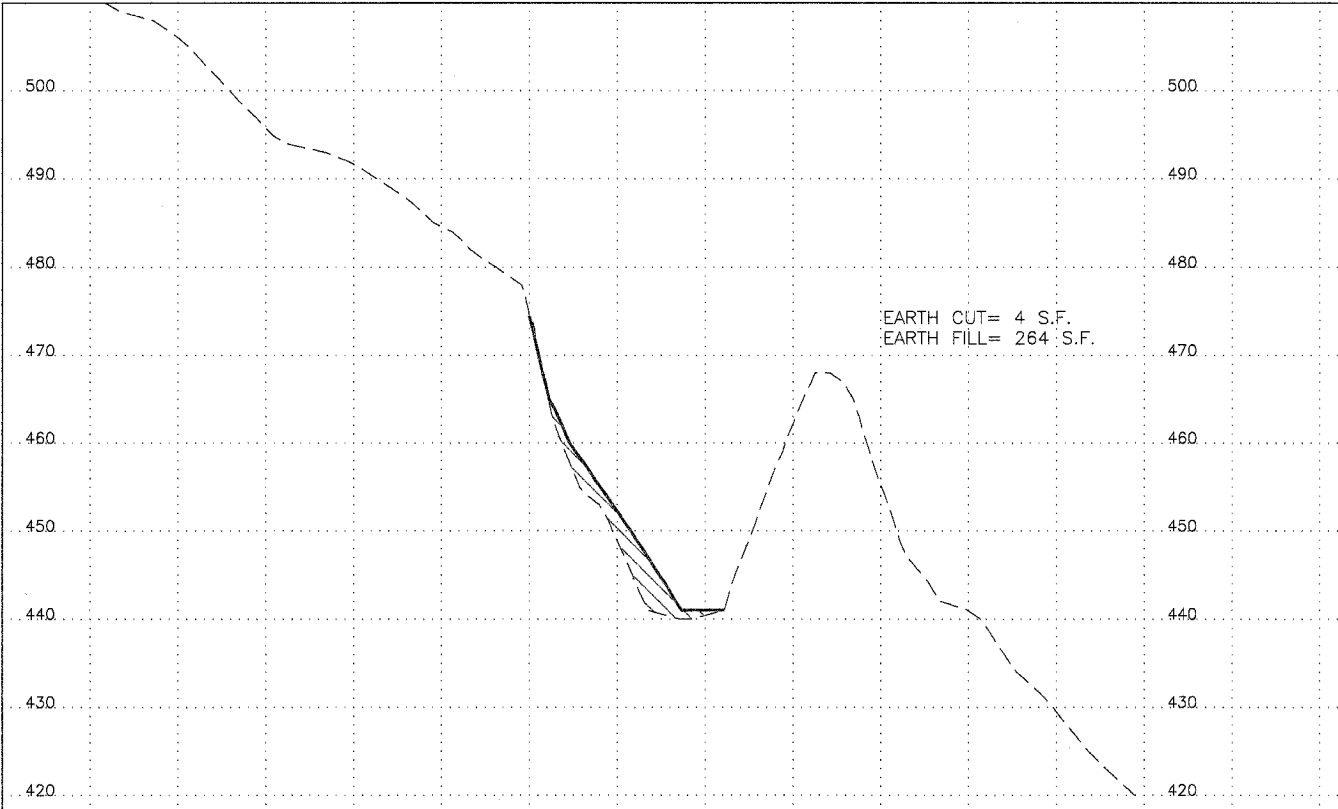
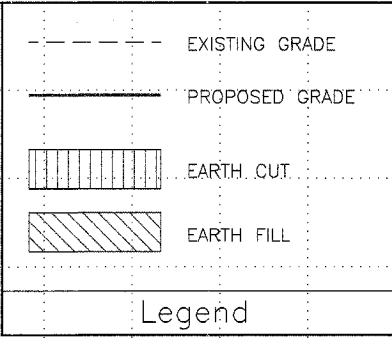


**Tab Simco Coal Co., Phase II  
Reclamation Project  
AML-GJkE-0414  
Jackson County**

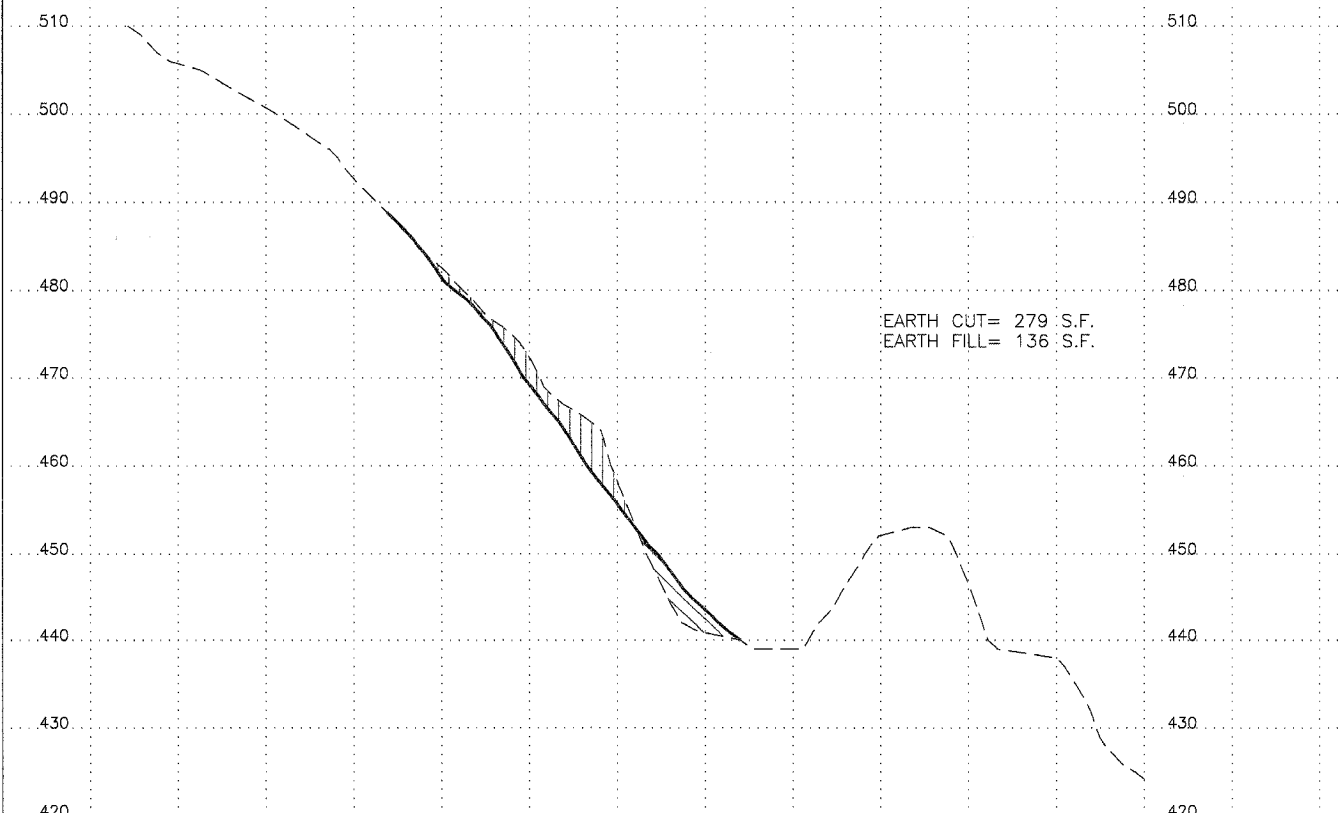
|   |                |
|---|----------------|
|  | EXISTING GRADE |
|  | PROPOSED GRADE |
|  | EARTH CUT      |
|  | EARTH FILL     |
| Legend  |                |



**Tab Simco Coal Co., Phase II  
Reclamation Project  
AML-GJKE-0414  
Jackson County**

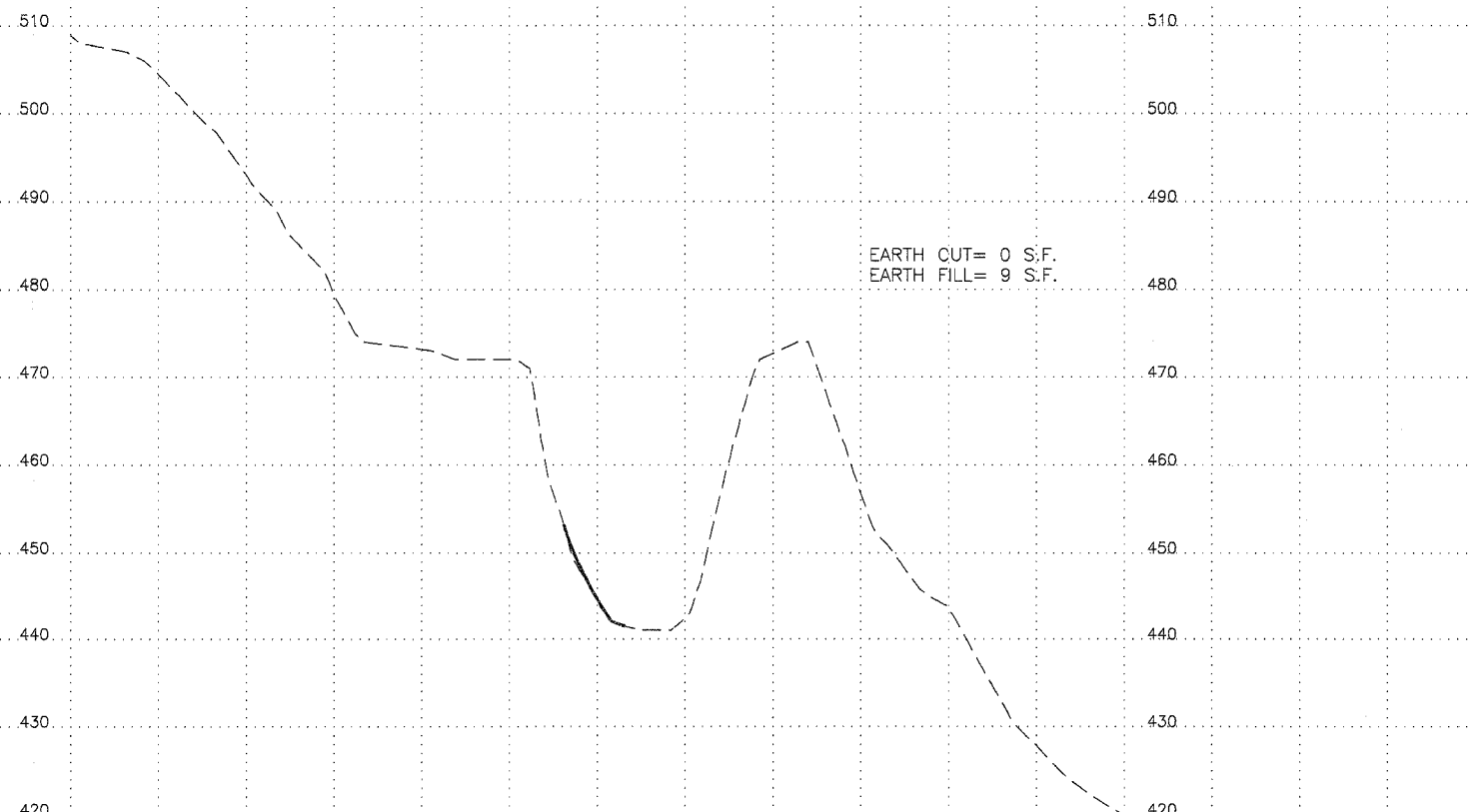


206+00



205+50

Horizontal Scale 50  
Vertical Scale 10



206+50