

**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


Florida CC Little Dog Mine Group  
 Reclamation Project  
 AML-GMpE-1303  
 Macoupin County  
 1LR

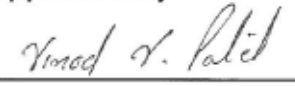
SCHEDULE OF DRAWINGS:

1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
- 3-4. Existing and Proposed Conditions - Greenridge Mine
- 5-8. Existing and Proposed Conditions - Florida CC Little Dog Mine
9. Existing and Proposed Conditions - Bauser Mine
- 10-18. Cross Sections - Greenridge Mine
- 19-32. Cross Sections - Florida C. C. Little Dog Mine
33. Details

Prepared By IDNR Staff

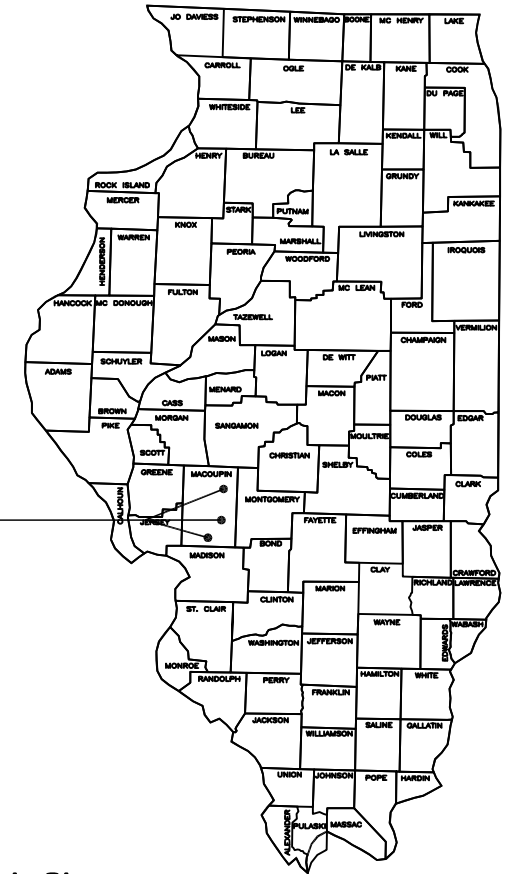
Approved for Bidding:  
  
 Michael L. Woods, Director  
 Office of Mines and Minerals

Approved By:  
  
 Greg Pinto, Acting Manager  
 AML Division

Approved By:  
  
 Vinodchandra V. Patel  
 IL Licensed Professional Engineer  
 No. 062.046043



Florida CC Little Dog Mine Group  
 Macoupin County



Note:

A Pre-bid meeting for this Mine Group Project will be held on Illinois St. at the Florida CC Little Dog Mine Site in East Gillespie, Illinois. This meeting is scheduled for 10:00 A.M., Thursday, July 18, 2013.

Summary of Quantities							
#	Item	Section	Quantities			Unit	Rates/Remarks
			Greenridge Mine	Florida "Little Dog"	Bauser Mine		
1	Special Clearing	201	0.4	0.4	0.2	1	L.S.
2	Earth Excavation	202	10,409	264,391	71	274,871	C.Y. Compaction required as per Special Provision 205.
3	Mine Refuse Excavation	202	19,656	326,262	-	345,918	C.Y.
4	Special Excavation	214	155	-	147	302	C.Y.
5	CA-6 Fill	216	233	-	283	516	Ton
6	Seeding	250	11.1	41.4	0.6	53.1	Acre
7	Nitrogen Fertilizer Nutrient	250	2,664	9,936	144	12,744	Pound 120 Lbs/Ac, Two Applications
8	Phosphorous Fertilizer Nutrient	250	2,220	8,280	120	10,620	Pound 100 Lbs/Ac, Two Applications
9	Potassium Fertilizer Nutrient	250	6,660	24,840	360	31,860	Pound 350 Lbs/Ac, First Application 250 Lbs/Ac, Second Application
10	Agricultural Ground Limestone	250	111	414	6	531	Ton 10 Tons/Ac
11	Mulch, Method 2, Procedure 1	IDOT 251	11.1	41.4	0.6	53.1	Acre 2 Tons/Ac
12	Trees-Red Oak 1.5" BB	IDOT 253	-	9	-	9	Each
13	Trees-Eastern Red Bud 1.5" BB	IDOT 253	-	6	-	6	Each
14	Trees-Flowering Crabapple "Lamoine" 1.5"BB	IDOT 253	-	6	-	6	Each
15	Trees-Gray Dogwood 1.5" BB	IDOT 253	-	3	-	3	Each
16	Mine Refuse Treatment - Limestone	255	25	1,475	-	1,500	Ton 50 Tons/Ac
17	Mowing	258	11.1	41.4	-	52.5	Acre
18	Inlet and Pipe Protection	280	-	3	-	3	Each
19	Earth Excavation for Erosion Control	280	-	4,166	-	4,166	C.Y. 150' L x 75' W x 5' D (2 Ponds)
20	Perimeter Erosion Barrier - Silt fence	280	-	3,156	-	3,156	Feet
21	Stone Riprap, A-4	IDOT 281	-	134	-	134	S.Y.
22	Aggregate Surface Course, Type B	IDOT 402	-	0	143	143	Ton
23	Removal of Existing Structures	501	0.5	0	0.5	1	L.S.
24	Pipe Culvert 24" Dia. Corrugated Smooth Interior.	IDOT 542	-	78	-	78	Feet
25	Acid Water Treatment-Hydrated Lime Ponds	612	-	74	-	74	Ton As Directed by the Engineer
26	Acid Water Treatment-Hydrated Lime Ditches	613	-	50	-	50	Bags As Directed by the Engineer
27	Mine Opening Marker	666	1	-	1	2	Each
28	Mobilization (Max. 6% of Bid)	671	0.25	0.5	0.25	1	L.S.

**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. All trees are to be removed only between October 16, 2013 and April 1, 2014.

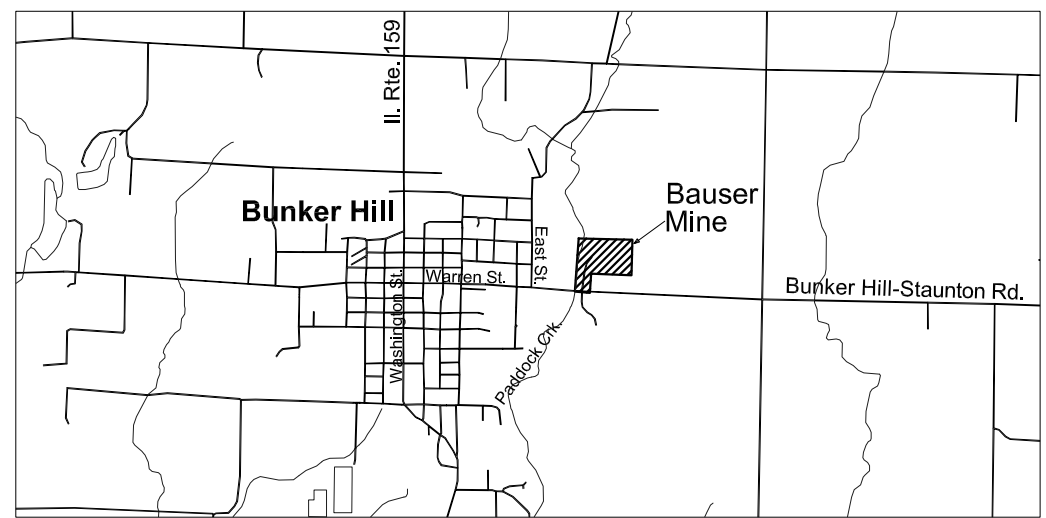
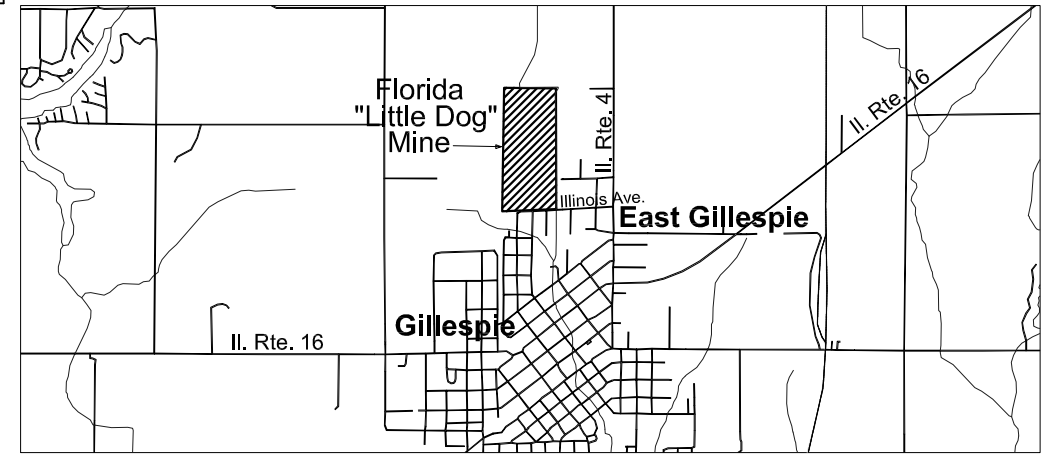
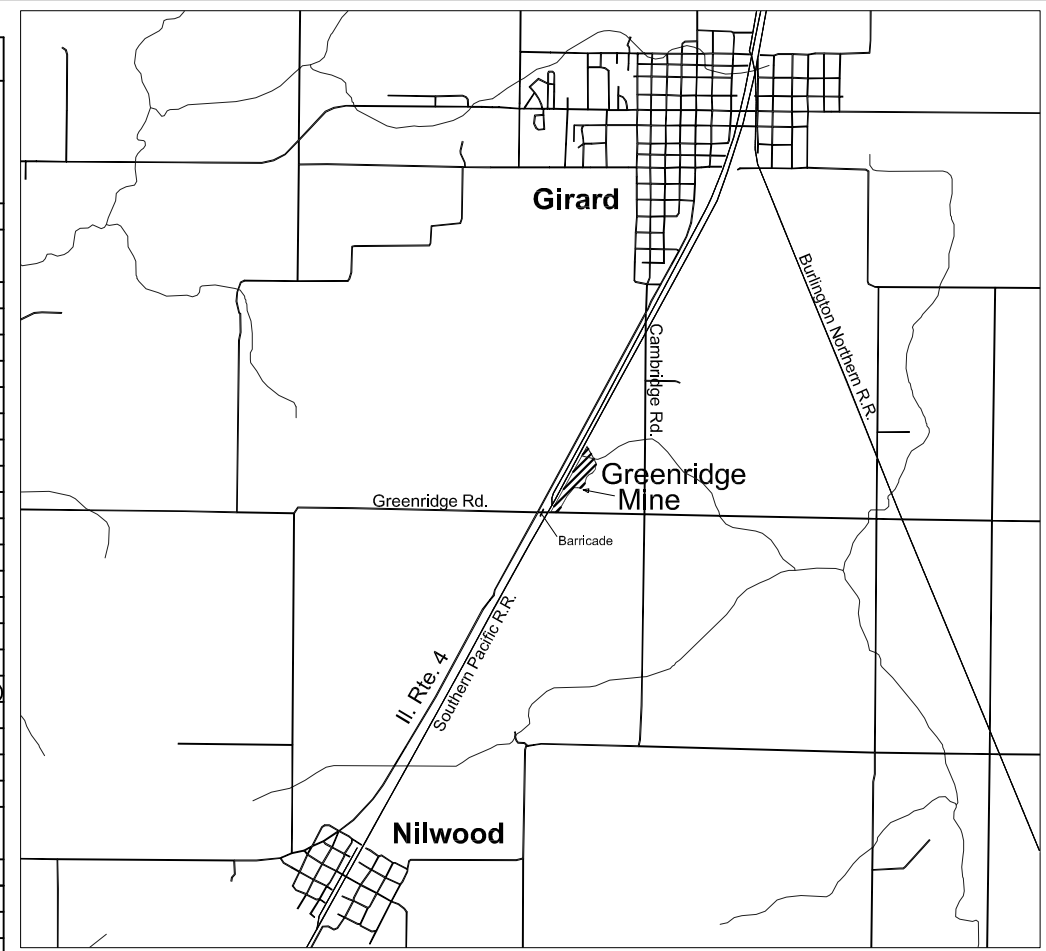
**ACID WATER TREATMENT**-If acid mine drainage treatment is determined necessary by the engineer, and not otherwise specified in the plans, any water treatment will be paid for in accordance with Article 109.04 of the Standard Specifications.

**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.

**MINE REFUSE TREATMENT** -After mine refuse has been graded to the subgrade shown in the plans, agricultural ground limestone shall be uniformly spread at the rate specified in the plans. A 3 inch layer of soil shall then be spread over the mine refuse treatment area and blended to a depth of 6 inches with an industrial offset disk approved by the engineer. Treated areas shall then be covered with 48 inches of soil.



Location Maps

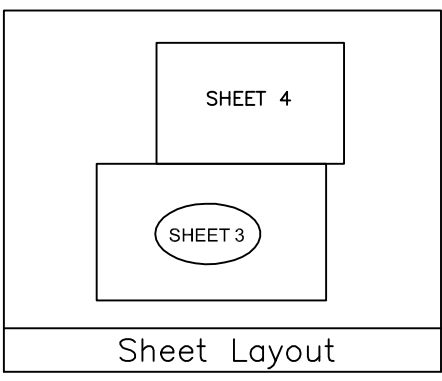
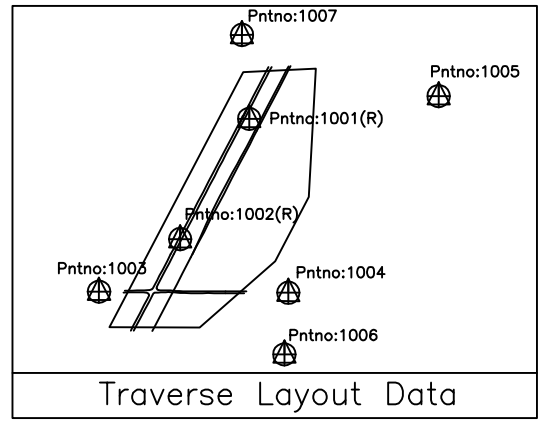
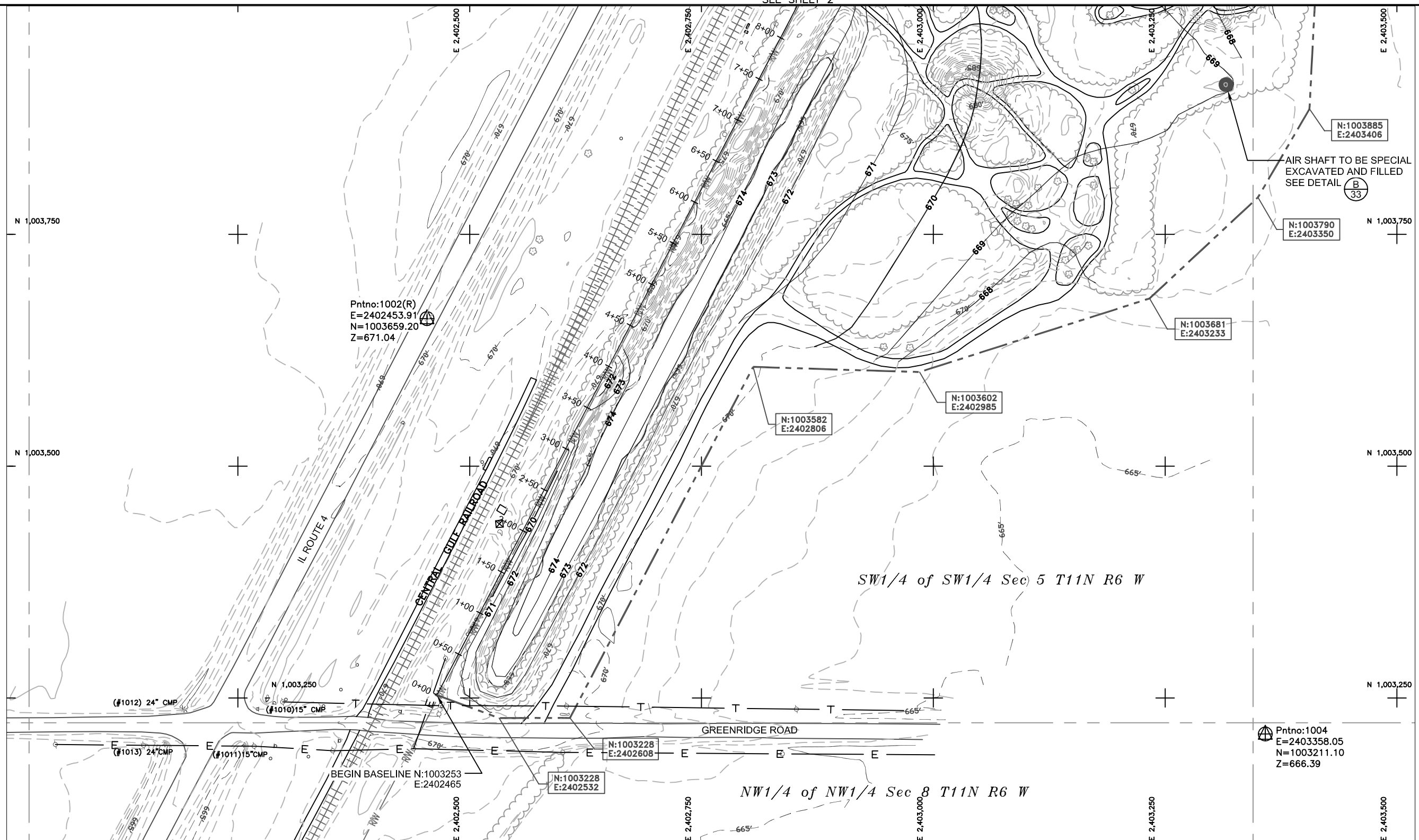


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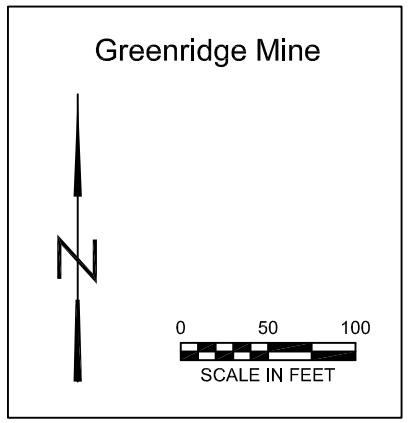
Florida CC Little Dog Mine  
Group Reclamation Project  
AML-GMpE-1303  
Macoupin County

Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: 7/2/2013

Summary of Quantities/  
General Notes/Location Map  
Sheet  
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	EXISTING CONTOUR
	PROPOSED CONTOUR
	CONSTRUCTION LIMITS
	EDGE OF ROAD
	TREELINE
	EDGE OF WATER
	SURVEY CONTROL POINT
	SHAFT

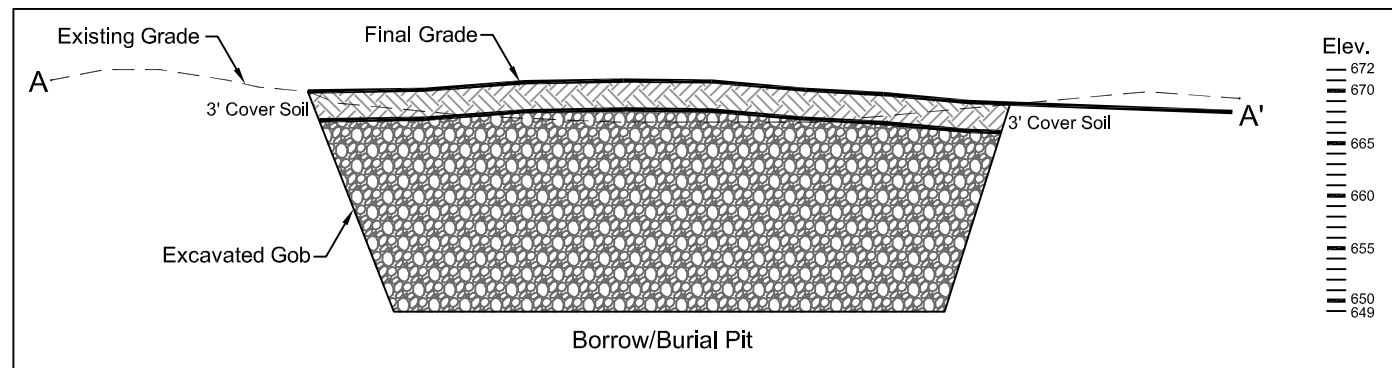
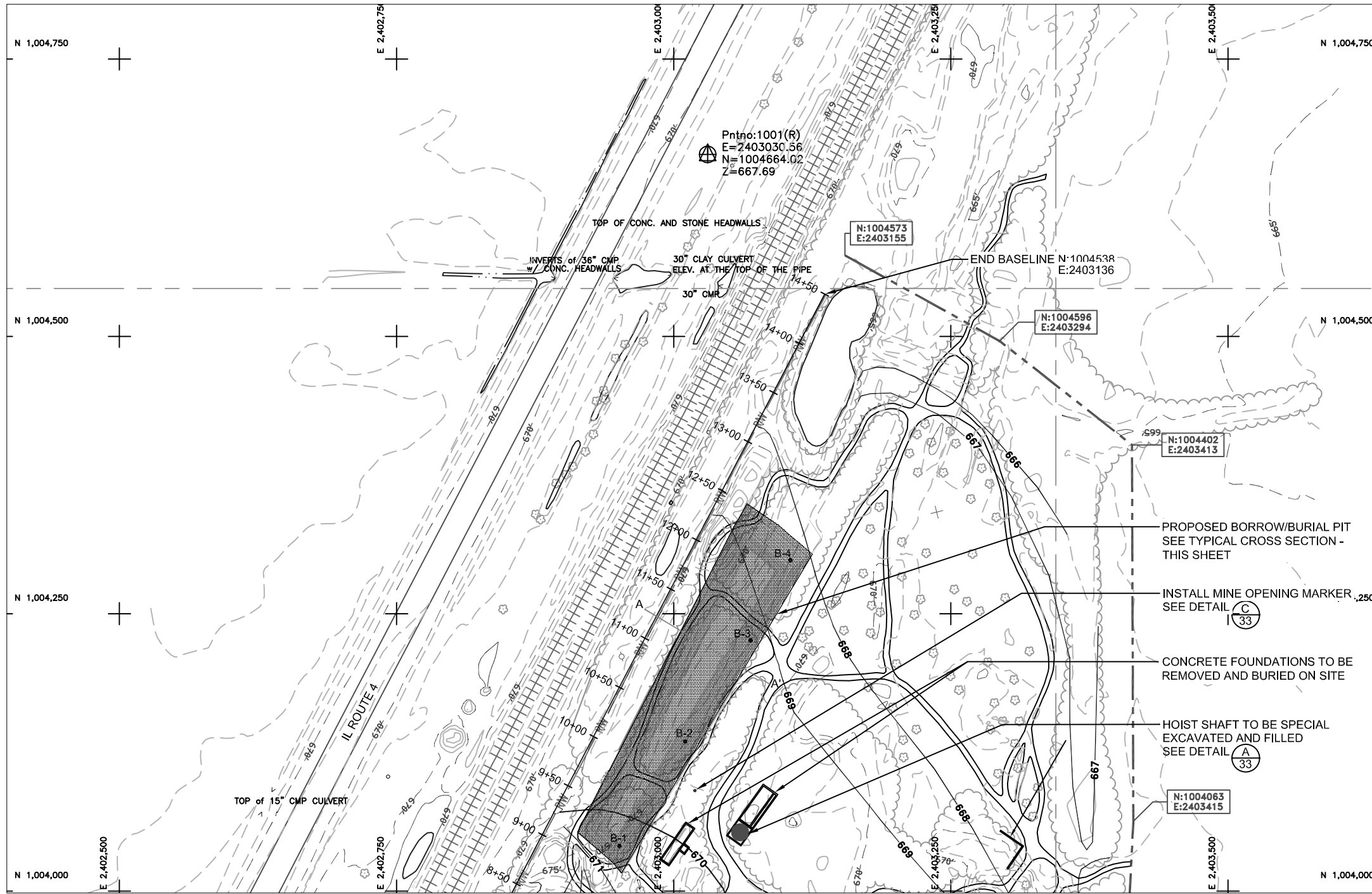


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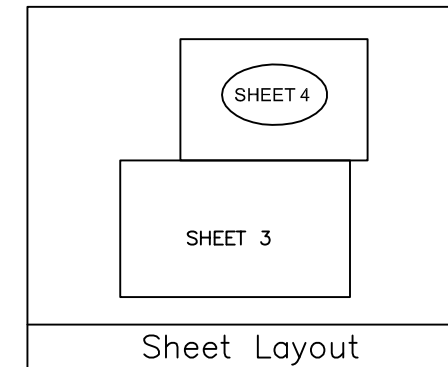
Florida CC Little Dog Mine  
Group Reclamation Project  
AML-GMpE-1303  
Macoupin County

Drawn By: \_\_\_\_\_  
Checked By: \_\_\_\_\_  
V.P.: \_\_\_\_\_  
Date: 6/28/2013

Existing & Proposed  
Conditions - Greenridge Mine  
Sheet  
3 of 33

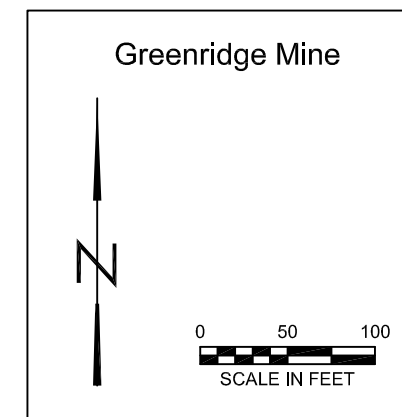


Typical Borrow/Burial Cross-Section A-A'  
 (Not to Scale)



--- 600 ---	EXISTING CONTOUR
— 600 —	PROPOSED CONTOUR
- - - - -	CONSTRUCTION LIMITS
— — — — —	EDGE OF ROAD
~~~~~	TREELINE
- - - - -	EDGE OF WATER
⊕	SURVEY CONTROL POINT
●	SHAFT

Legend

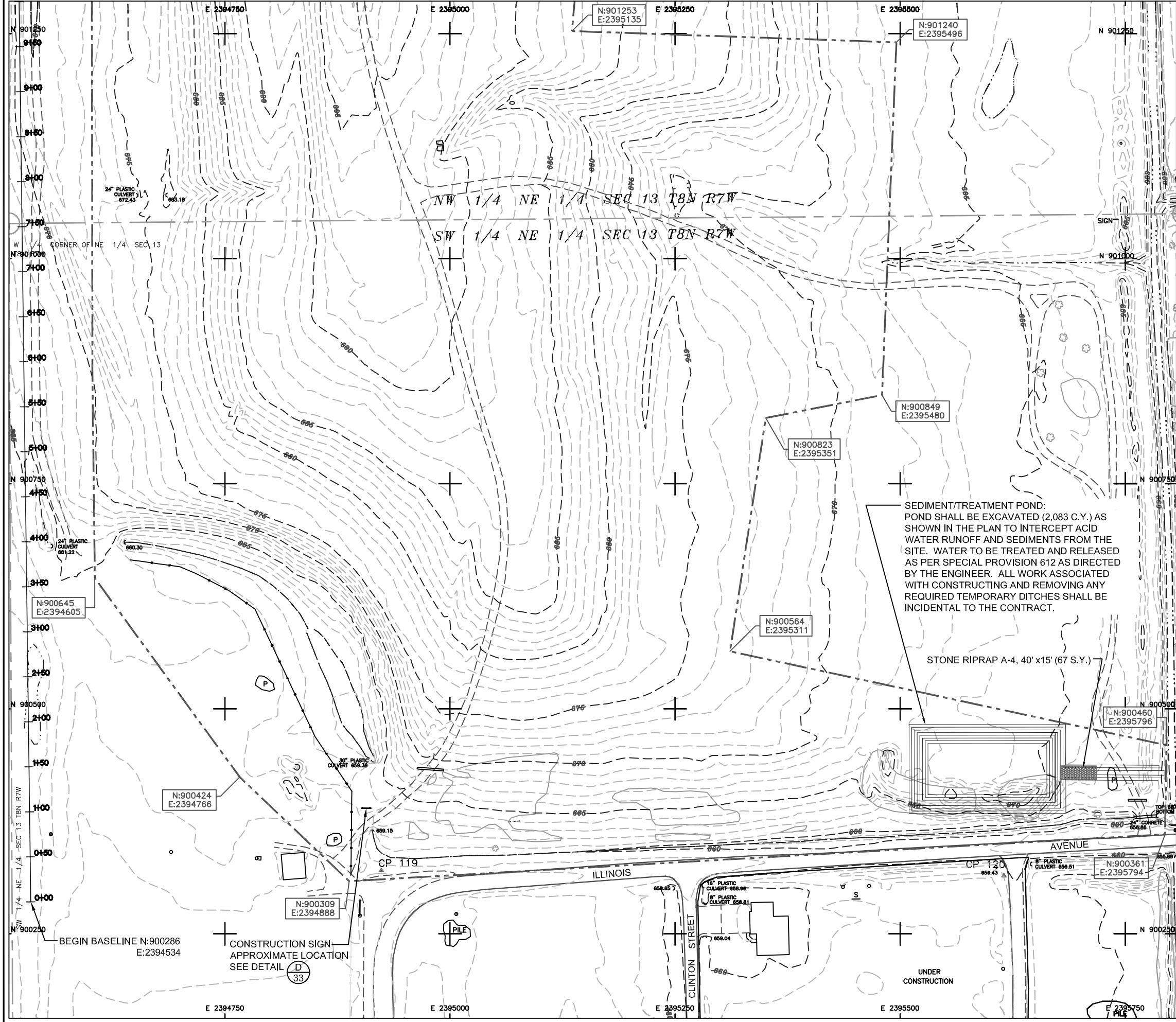


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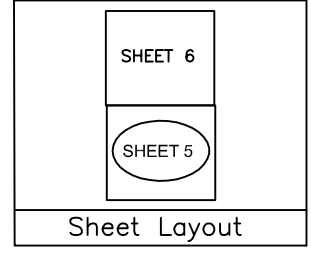
Florida CC Little Dog Mine  
 Group Reclamation Project  
 AML-GMpE-1303  
 Macoupin County

Drawn By: T.M.  
 Checked By:  
 Date: 6/28/2013

Existing & Proposed  
 Conditions - Greenridge Mine  
 Sheet  
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- CONSTRUCTION NOTES:**
1. BAGS OF HYDRATED LIME SHALL BE PLACED AND STAKED IN DITCHES LEADING TO SEDIMENT PONDS IN ACCORD WITH SPECIAL PROVISION 613 AND AS DIRECTED BY THE ENGINEER. ADDITIONAL OR REPLACEMENT BAGS SHALL BE PLACED AND STAKED DURING THE TERM OF THE CONTRACT AS DIRECTED BY THE ENGINEER.
  2. ACID WATER TREATMENT IN ACCORD WITH SPECIAL PROVISION 612 SHALL BE PERFORMED ON WATER IN BOTH SEDIMENT PONDS AS DIRECTED BY THE ENGINEER. DEPENDING ON THE EXTENT SEEPAGE ENCOUNTERED DURING EXCAVATION AND ON THE EFFECTIVENESS OF THE HYDRATED LIME BAGS STAKED IN ACCORD WITH SPECIAL PROVISION 613, THE QUANTITY OF ACID WATER TREATMENT HYDRATED LIME - SEDIMENT PONDS MAY INCREASE OR DECREASE SIGNIFICANTLY. NO ADJUSTMENT SHALL BE MADE TO THE UNIT PRICE PER TON FOR ACID WATER TREATMENT HYDRATED LIME REGARDLESS OF ANY QUANTITY CHANGES.
  3. THE LITTLE DOG REFUSE PILE IS COVERED WITH A THIN LAYER OF SOIL. MUCH OF THIS THIN LAYER IS CONTAMINATED DUE TO THE UNDERLYING REFUSE. THEREFORE, EXTRACTION OF THIS THIN SOIL COVER IS CLASSIFIED AS MINE REFUSE EXCAVATION.
  4. THE 24 BORINGS PROVIDED FOR THE LITTLE DOG SITE SHOW MINE REFUSE MATERIALS WITH VARYING MOISTURE CONTENTS AND TEXTURES.



**Legend**

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

**Florida CC Little Dog**

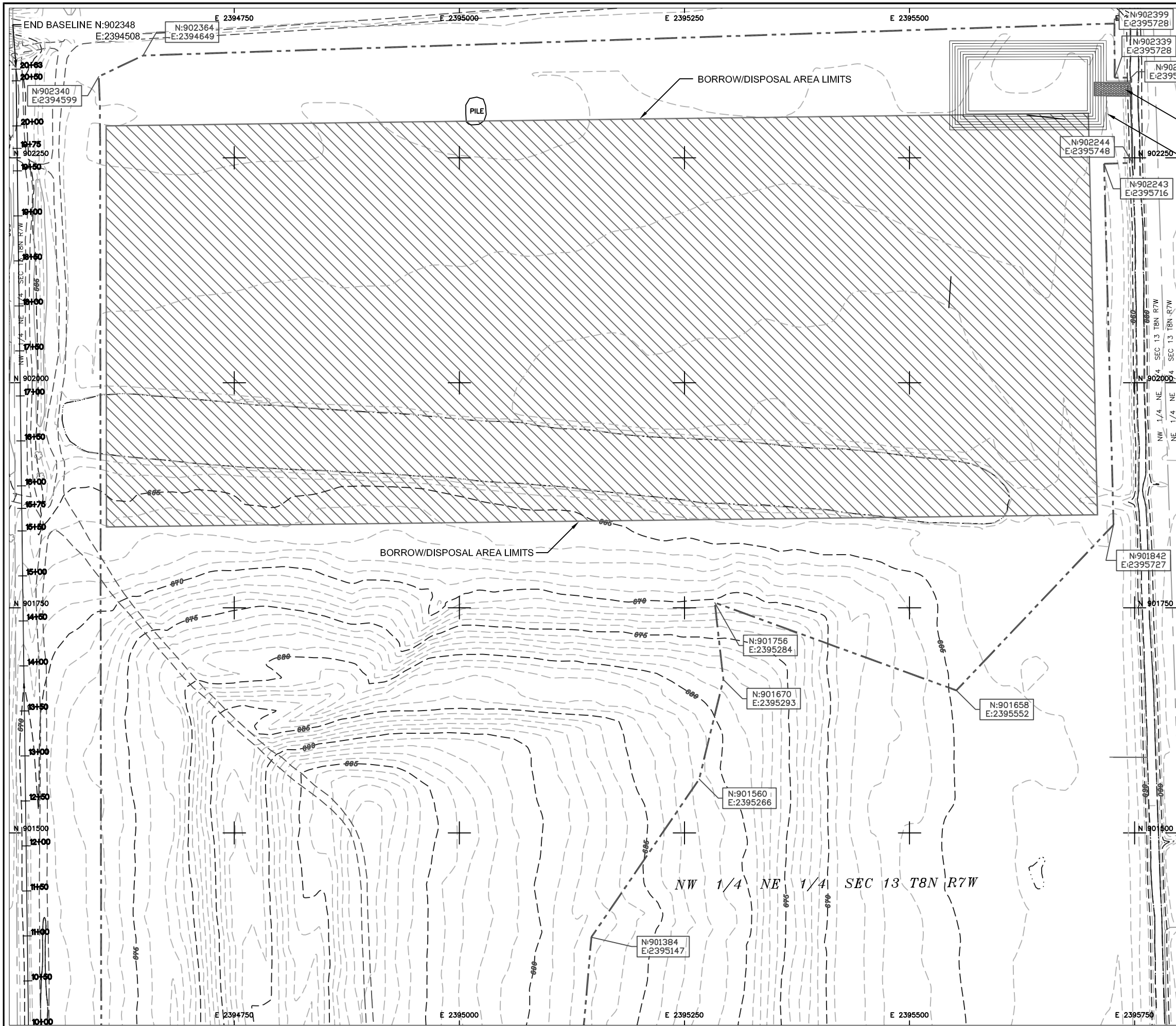
SCALE IN FEET

State of Illinois  
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Florida CC Little Dog Mine  
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AML-GMpE-900  
Macoupin County

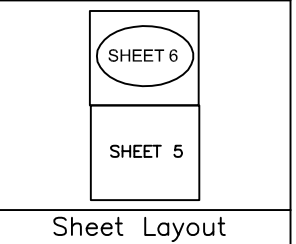
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Existing & Proposed  
Conditions  
Sheet  
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STONE RIPRAP A-4 (67 S.Y.)

SEDIMENT/TREATMENT POND:  
POND SHALL BE EXCAVATED (2,083 C.Y.)  
AS SHOWN IN THE PLAN TO INTERCEPT  
ACID WATER RUNOFF AND SEDIMENTS  
FROM THE SITE. WATER TO BE TREATED  
AND RELEASED AS PER SPECIAL  
PROVISION 612 AS DIRECTED BY THE  
ENGINEER. ALL WORK ASSOCIATED WITH  
CONSTRUCTING AND REMOVING ANY  
REQUIRED TEMPORARY DITCHES SHALL  
BE INCIDENTAL TO THE CONTRACT.



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

Florida CC Little Dog

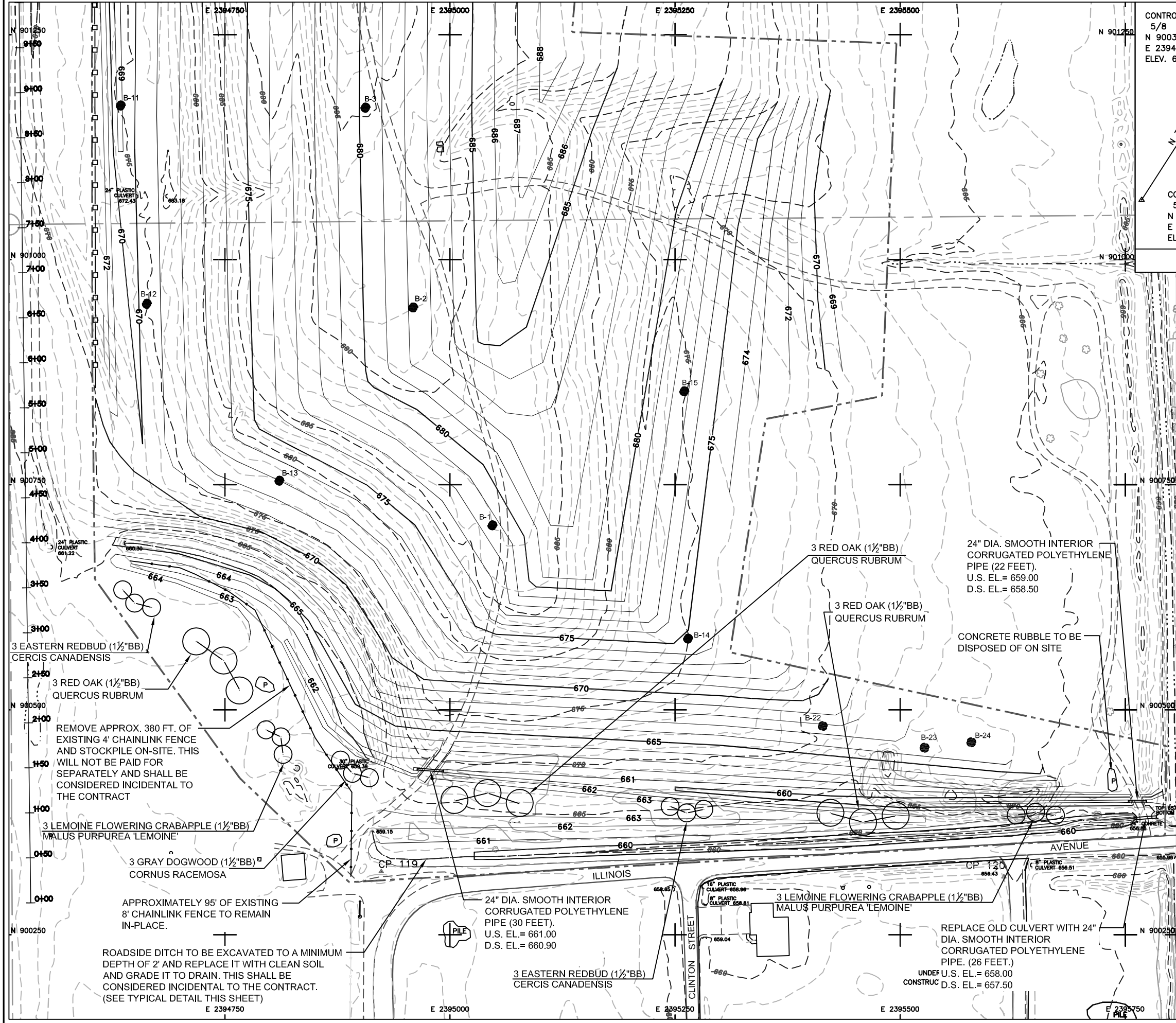
SCALE IN FEET

State of Illinois  
Department of Natural Resources

Florida CC Little Dog Mine  
Group Reclamation Project  
AML-GMpE-9000  
Macoupin County

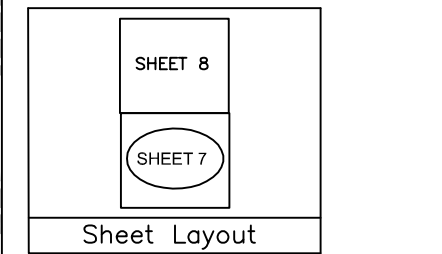
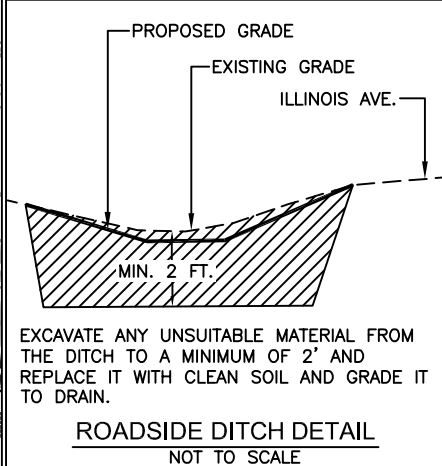
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Existing & Proposed  
Conditions  
Sheet  
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**Traverse Layout Data**

CONTROL POINT 119 5/8 REBAR W/CAP N 900320.47 E 2394923.58 ELEV. 661.44	S 89-30-58 E 691.57'
CONTROL POINT 120 5/8 REBAR W/CAP N 900314.63 E 2395615.13 ELEV. 659.45	
CONTROL POINT 121 5/8 REBAR W/CAP N 899756.94 E 2394561.06 ELEV. 663.36	N 32-45-12 E 670.06'



**Legend**

--- 600 ---	EXISTING CONTOUR
— 600 —	PROPOSED CONTOUR
- - - - -	CONSTRUCTION LIMITS
— — — — —	EDGE OF ROAD
~~~~~	TREELINE
- - - - -	EDGE OF WATER
△	SURVEY CONTROL POINT
B-1 •	BORING

**Florida CC Little Dog**

A north arrow pointing upwards and a scale bar showing 0, 50, and 100 feet.

State of Illinois  
Department of Natural Resources

Florida CC Little Dog Mine  
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AML-GMpE-9000  
Macoupin County

Drawn By: \_\_\_\_\_ V.P. \_\_\_\_\_  
Checked By: \_\_\_\_\_  
Date: 7/3/2013

Existing & Proposed  
Conditions  
Sheet  
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REMOVE APPROX. 380 FT. OF EXISTING 4' CHAINLINK FENCE AND STOCKPILE ON-SITE. THIS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT

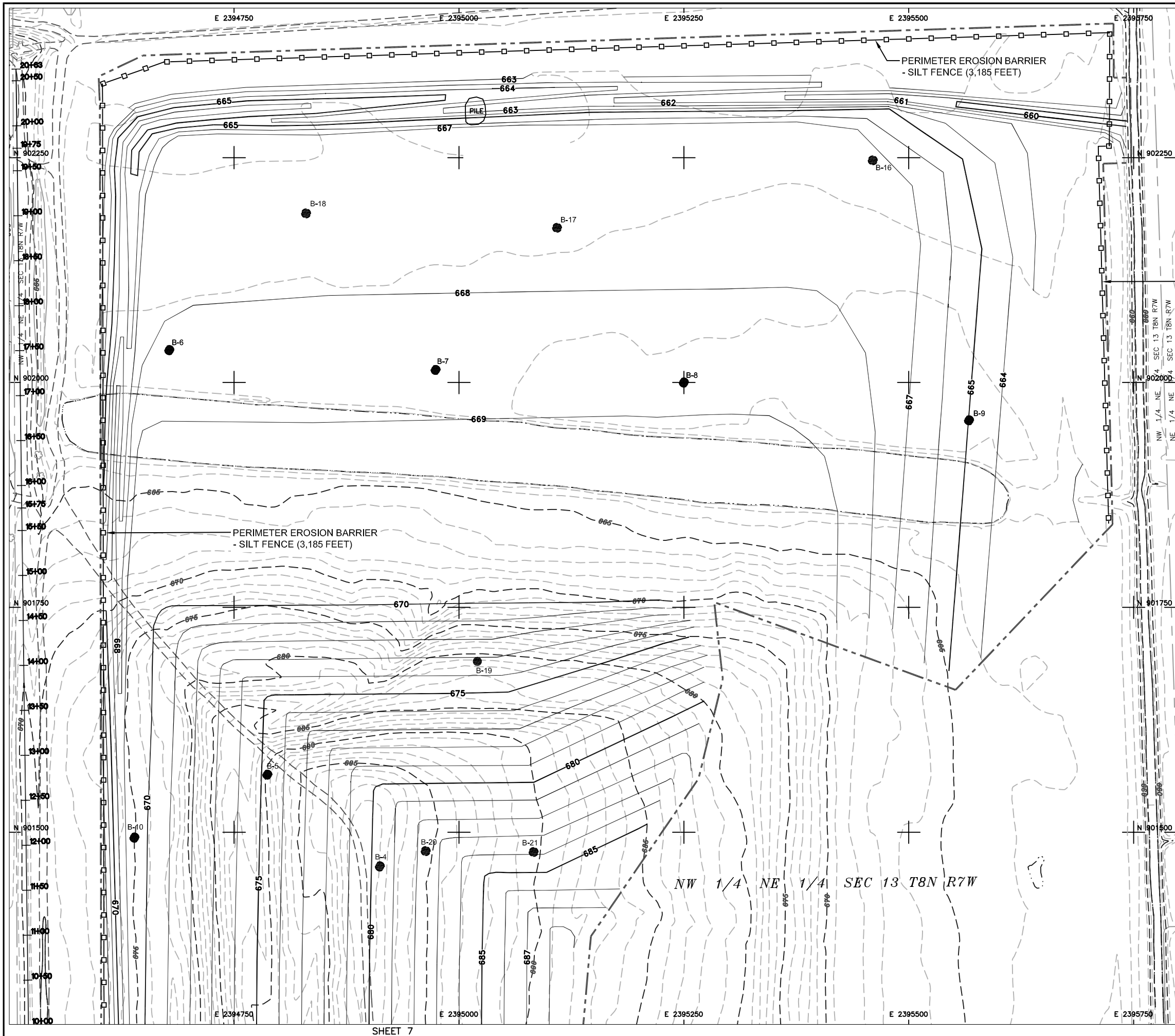
ROADSIDE DITCH TO BE EXCAVATED TO A MINIMUM DEPTH OF 2' AND REPLACE IT WITH CLEAN SOIL AND GRADE IT TO DRAIN. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. (SEE TYPICAL DETAIL THIS SHEET)

24" DIA. SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (30 FEET).  
U.S. EL. = 661.00  
D.S. EL. = 660.90

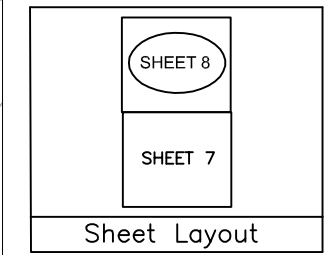
3 RED OAK (1 1/2"BB) QUERCUS RUBRUM  
24" DIA. SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE (22 FEET).  
U.S. EL. = 659.00  
D.S. EL. = 658.50

CONCRETE RUBBLE TO BE DISPOSED OF ON SITE

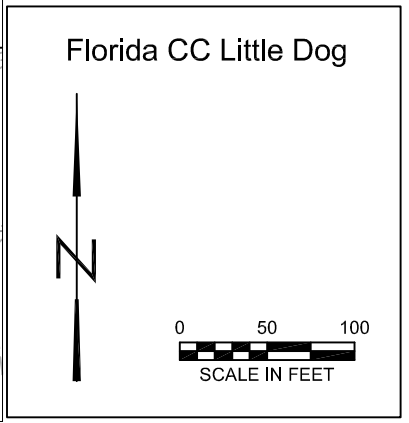
REPLACE OLD CULVERT WITH 24" DIA. SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE. (26 FEET.)  
UNDER U.S. EL. = 658.00  
CONSTRUCT D.S. EL. = 657.50



SHEET 7



Legend	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	CONSTRUCTION LIMITS
	EDGE OF ROAD
	TREELINE
	EDGE OF WATER
	SURVEY CONTROL POINT
	B-1 • BORING



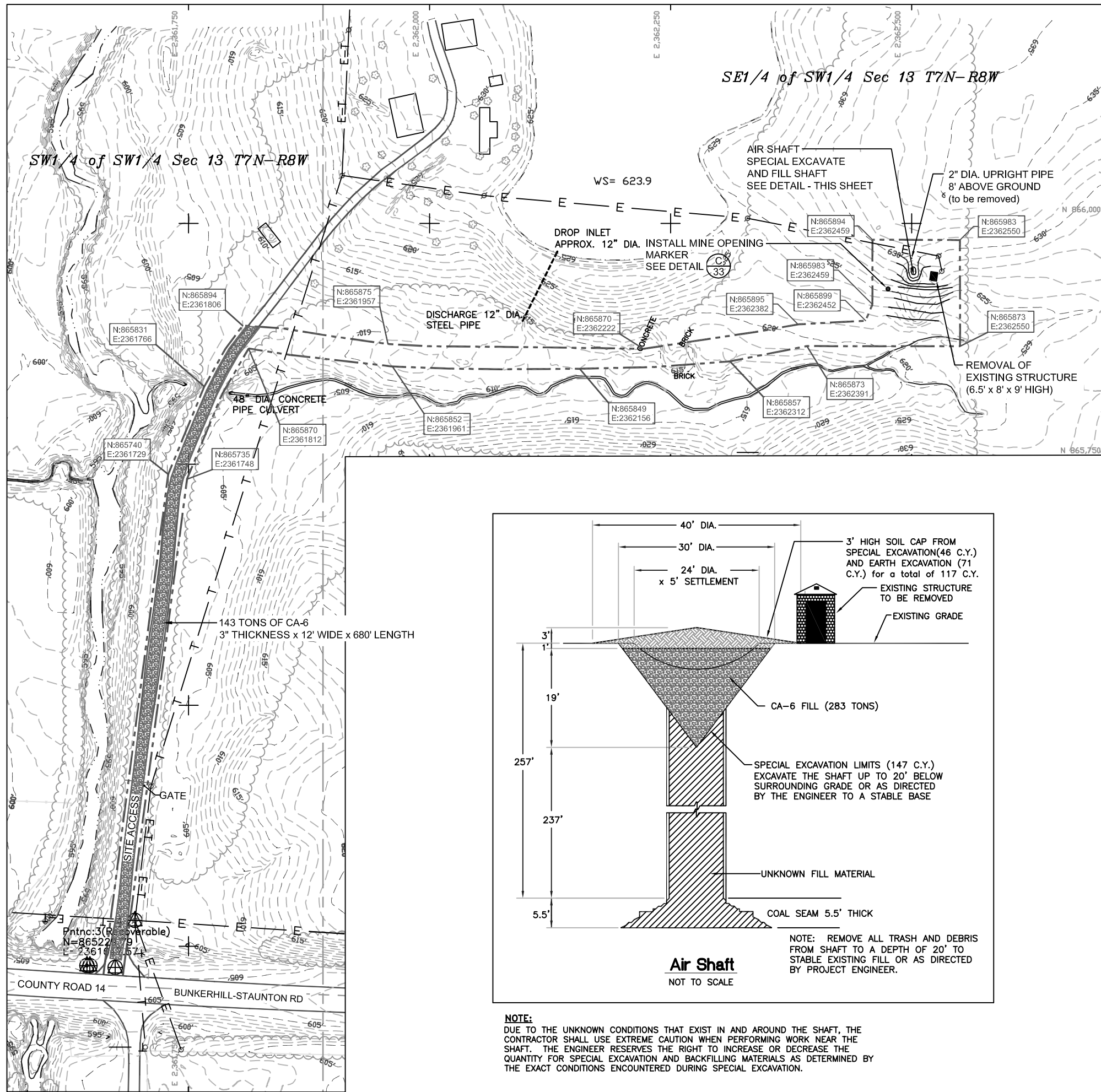
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AML-GMpE-9000  
Macoupin County

Drawn By: V.P. & T.M. Date: 7/3/2013  
Checked By: \_\_\_\_\_

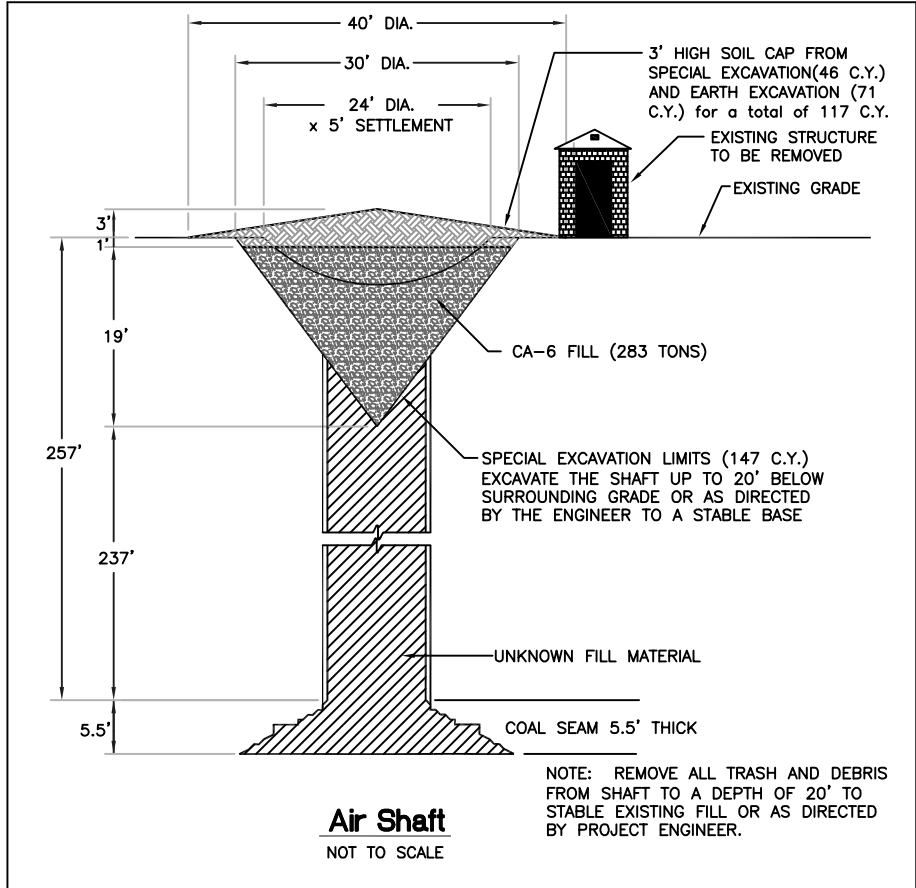
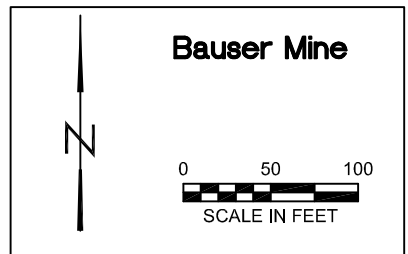
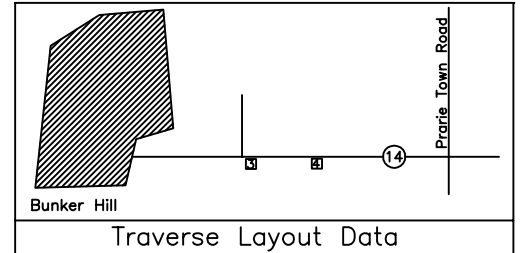
Existing & Proposed  
Conditions  
Sheet  
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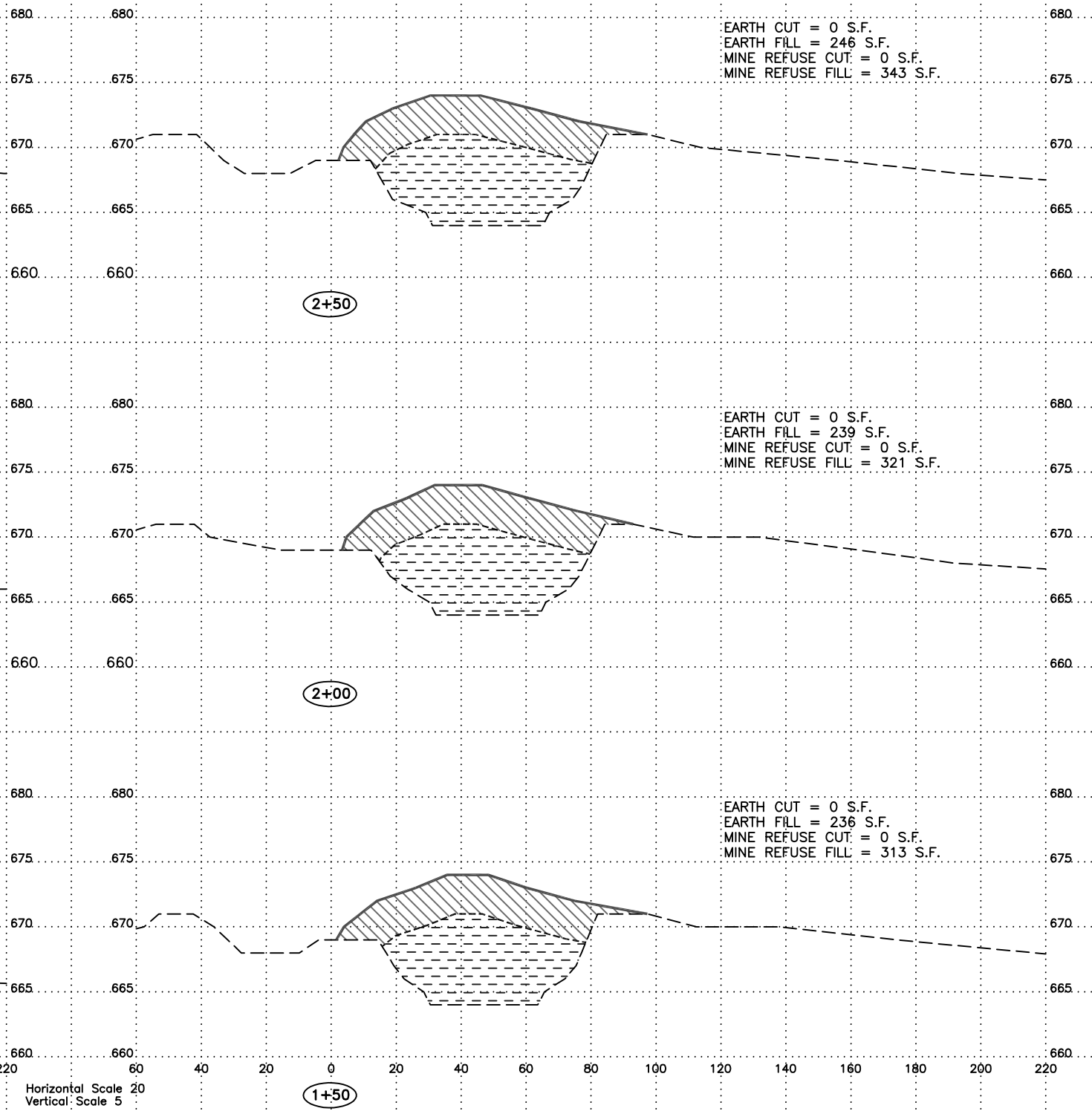
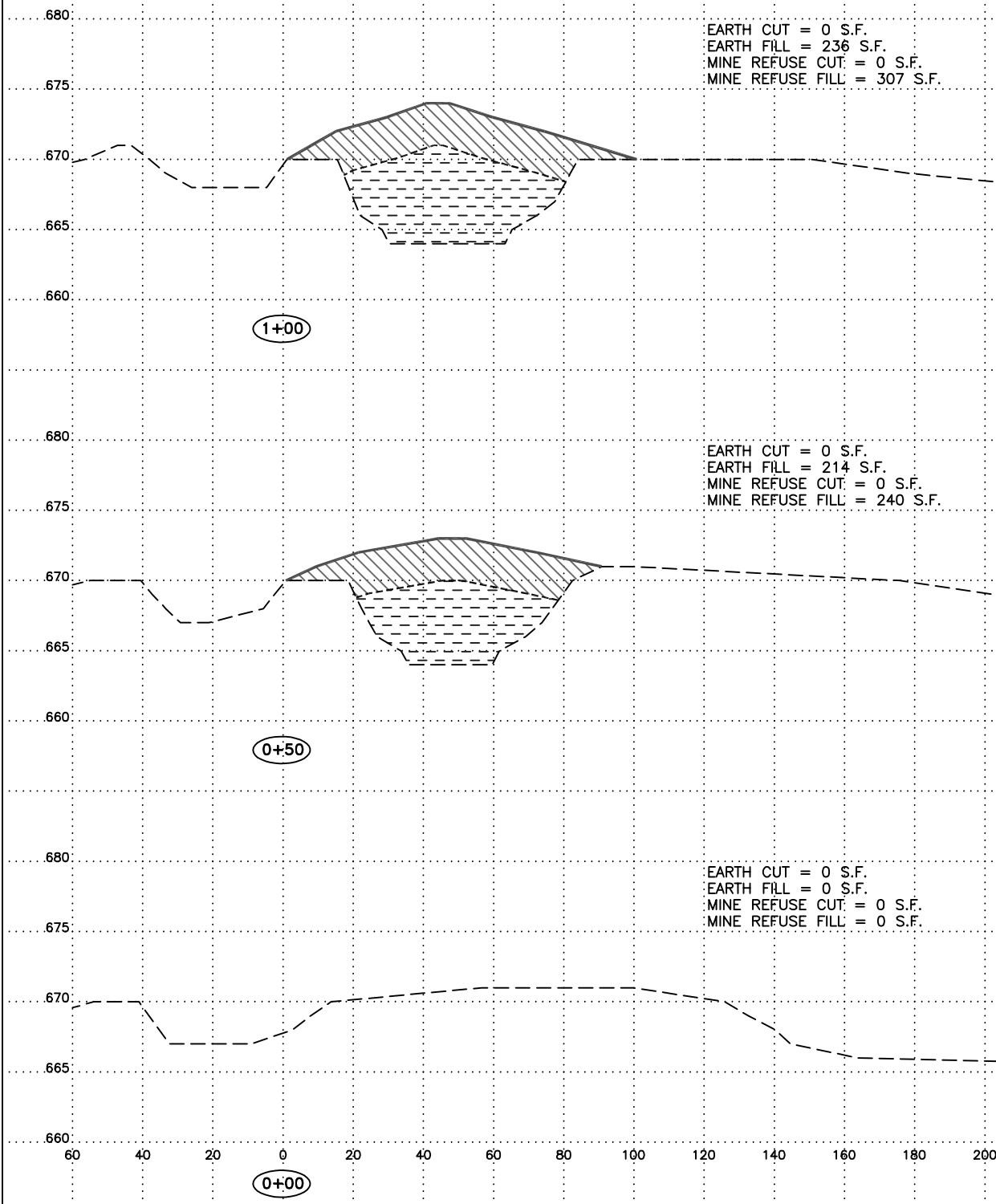
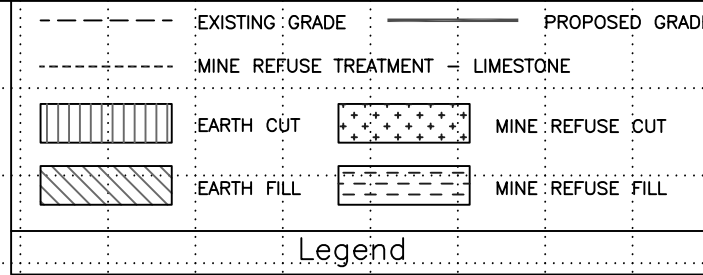


--- 500 ---	EXISTING CONTOUR
— 500 —	PROPOSED CONTOUR
- - - - -	CONSTRUCTION LIMITS
— — — — —	EDGE OF ROAD
~~~~~	TREELINE
- - - - -	EDGE OF WATER
⊕	SURVEY CONTROL POINT

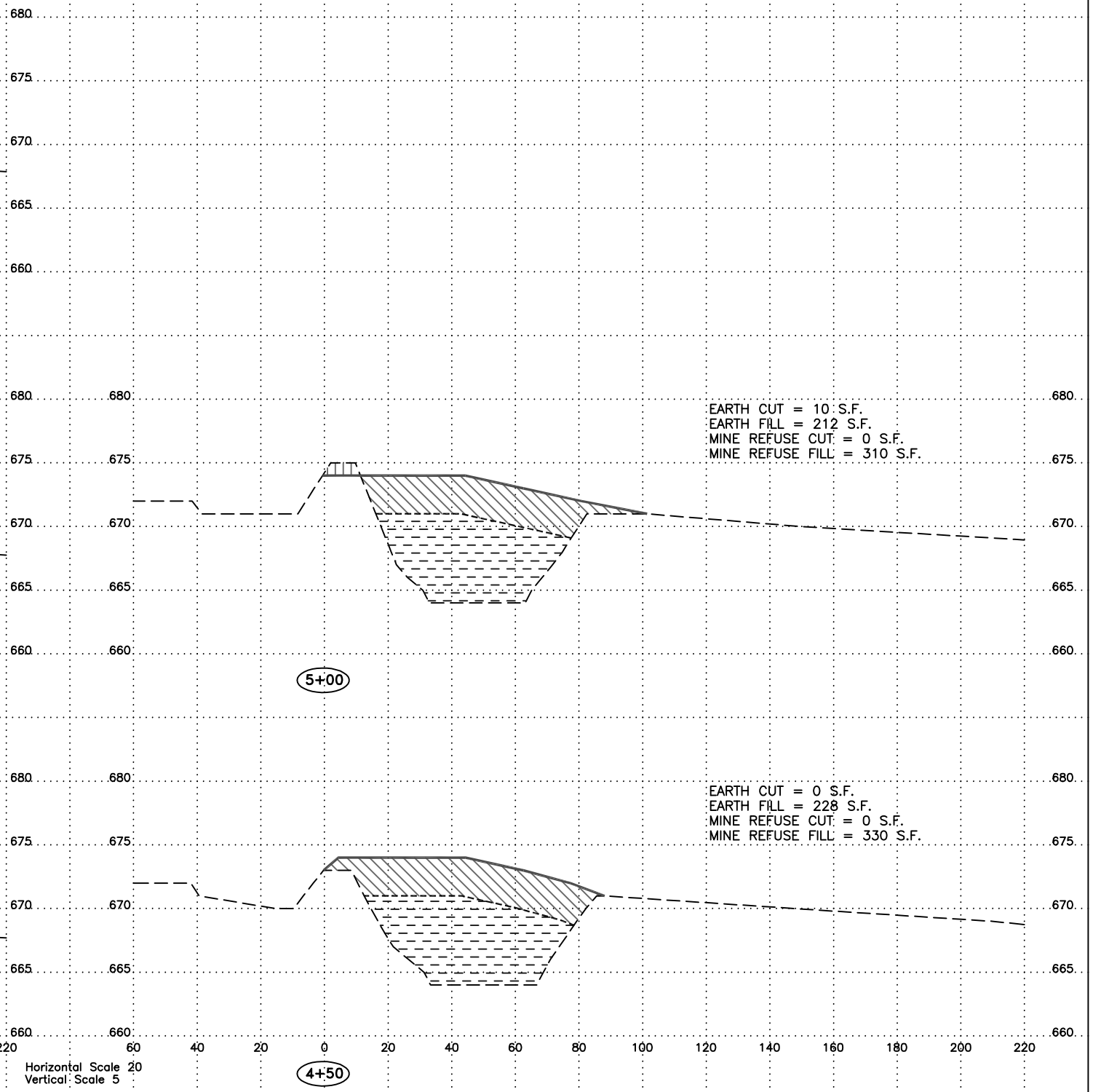
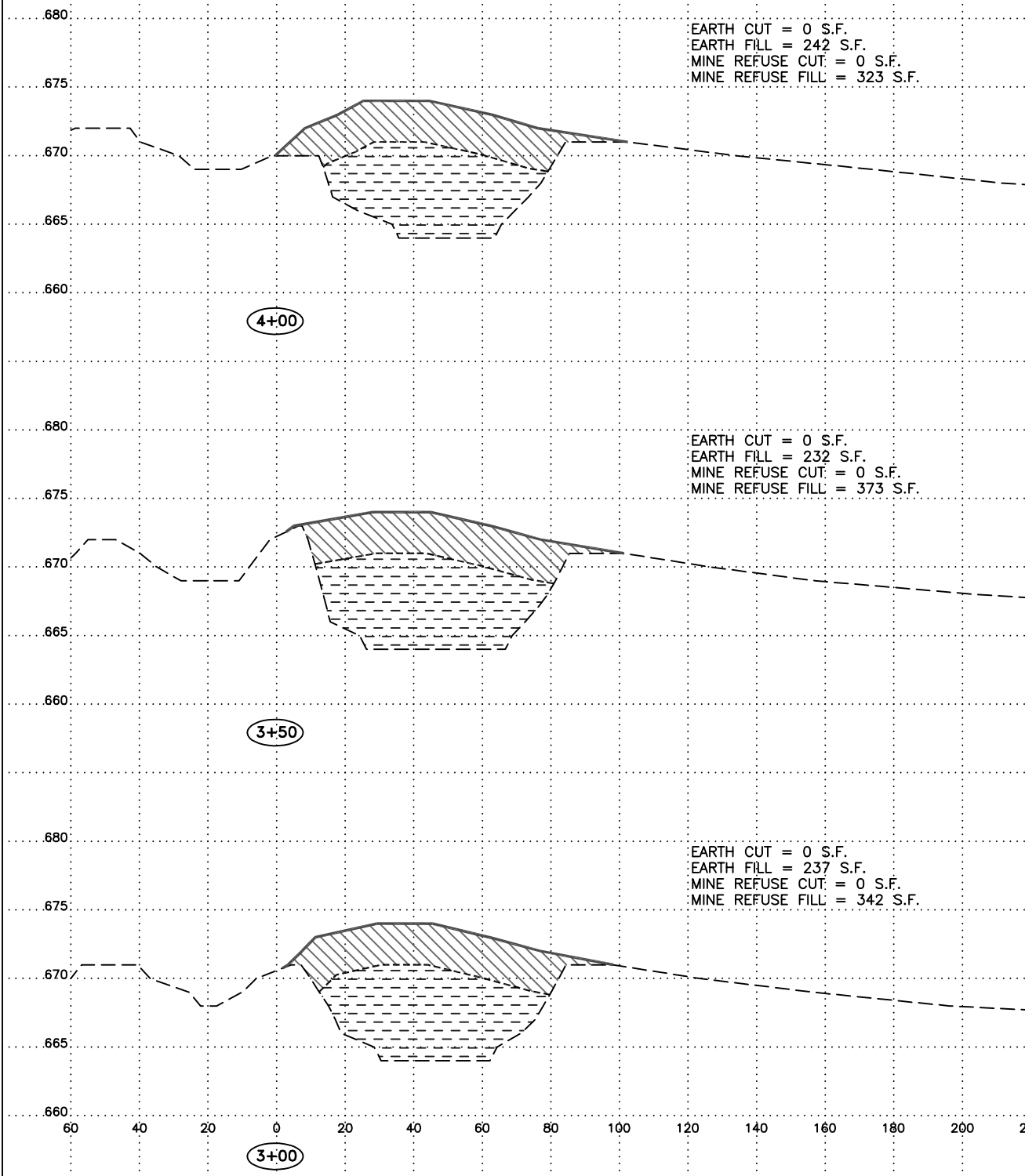
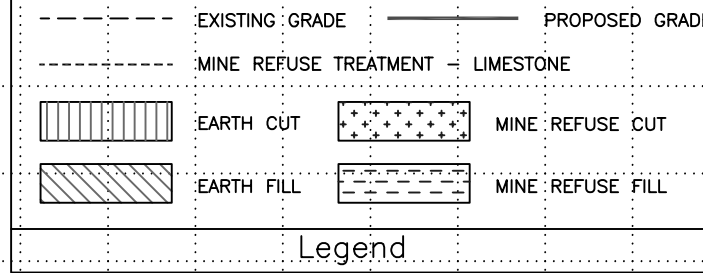
Legend



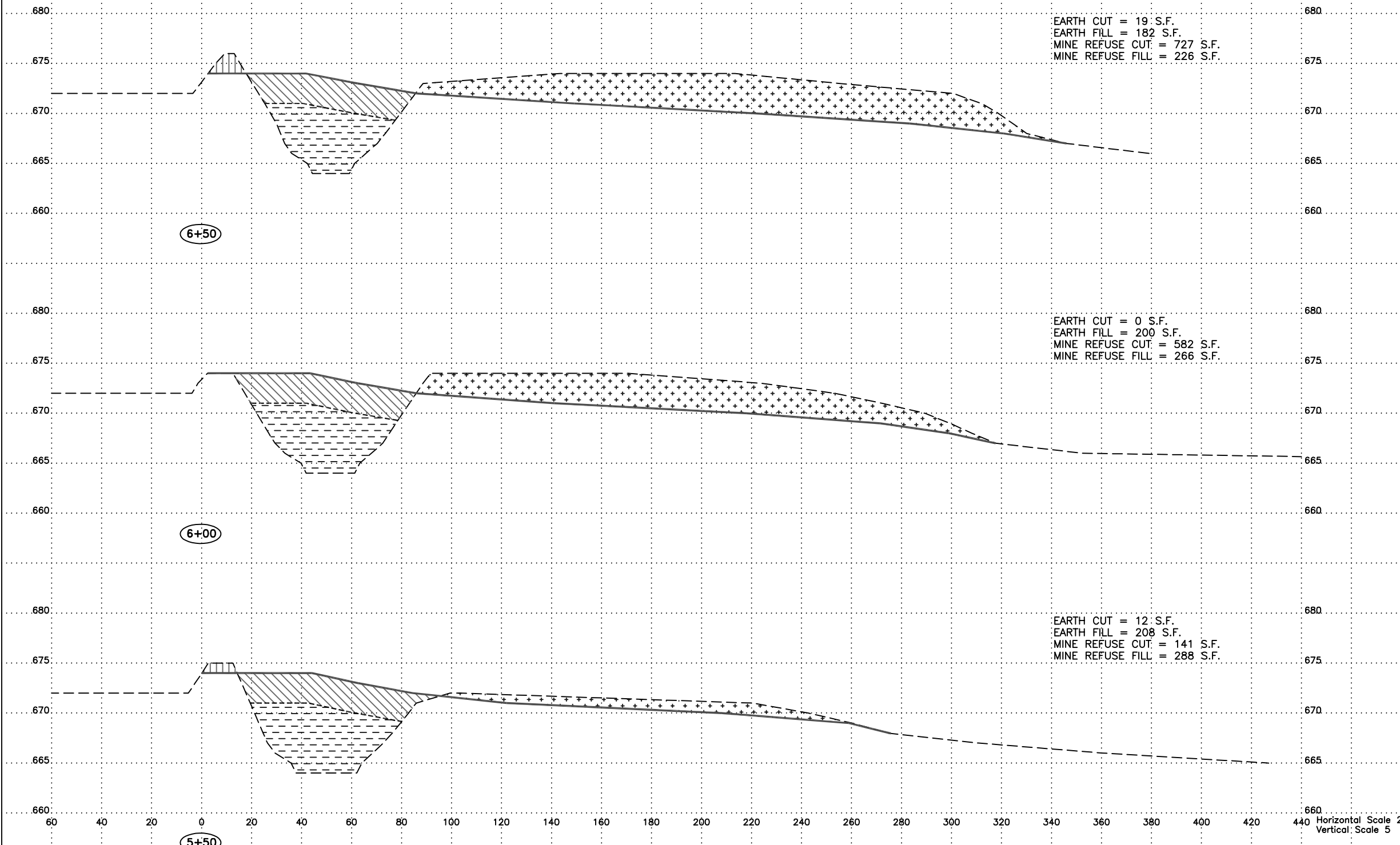
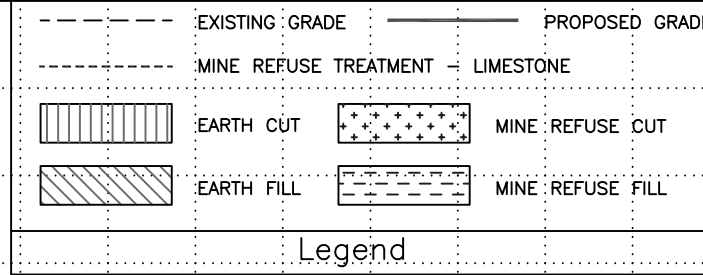
**NOTE:**  
DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SHAFT, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN PERFORMING WORK NEAR THE SHAFT. THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITY FOR SPECIAL EXCAVATION AND BACKFILLING MATERIALS AS DETERMINED BY THE EXACT CONDITIONS ENCOUNTERED DURING SPECIAL EXCAVATION.

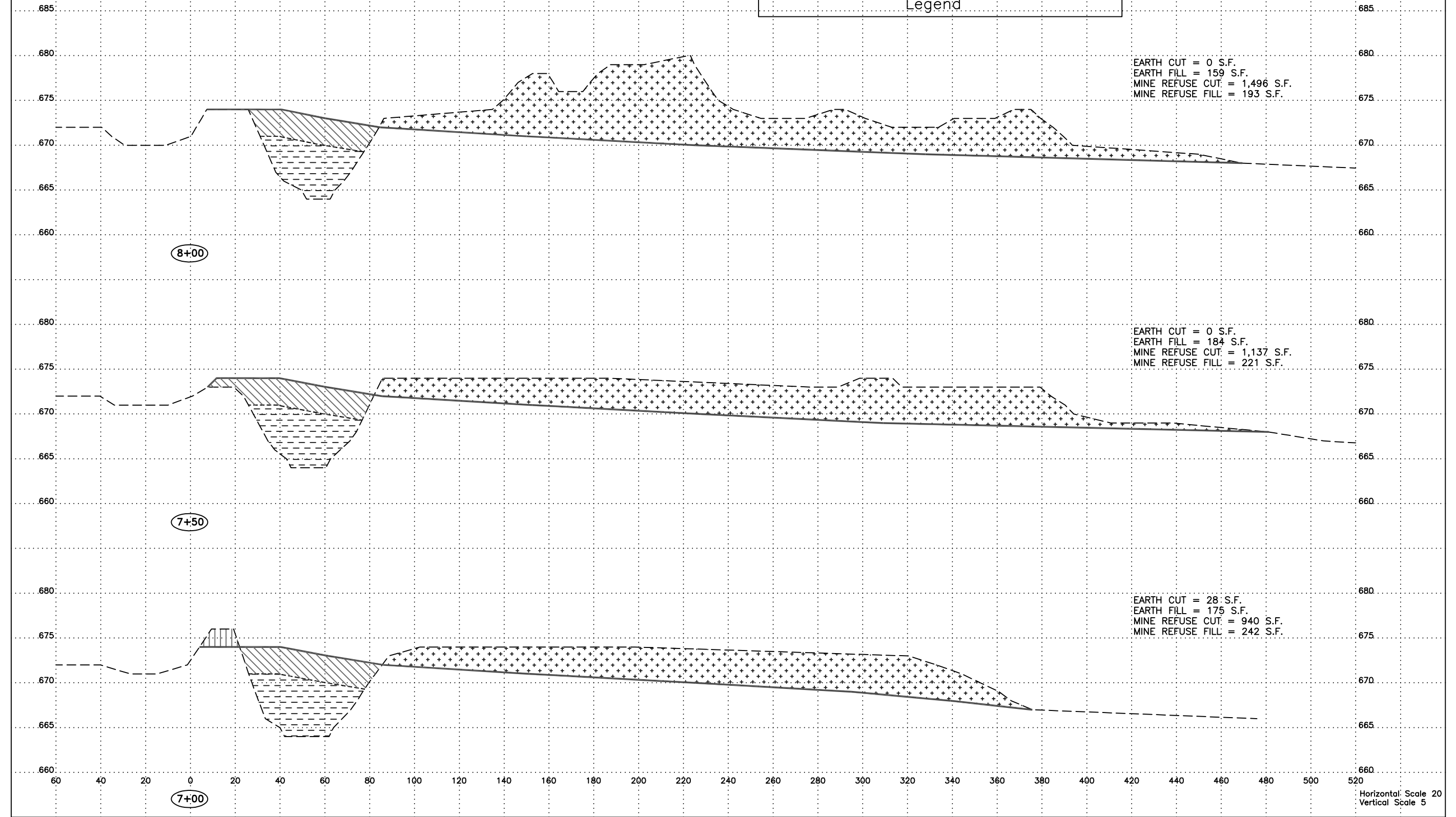
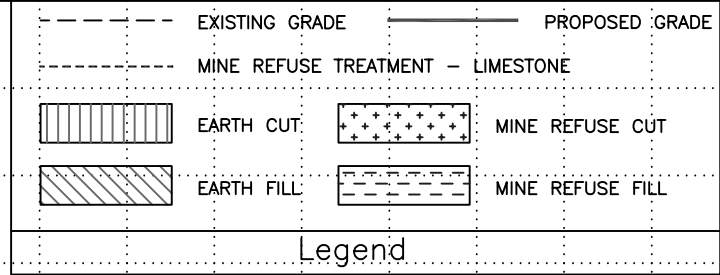


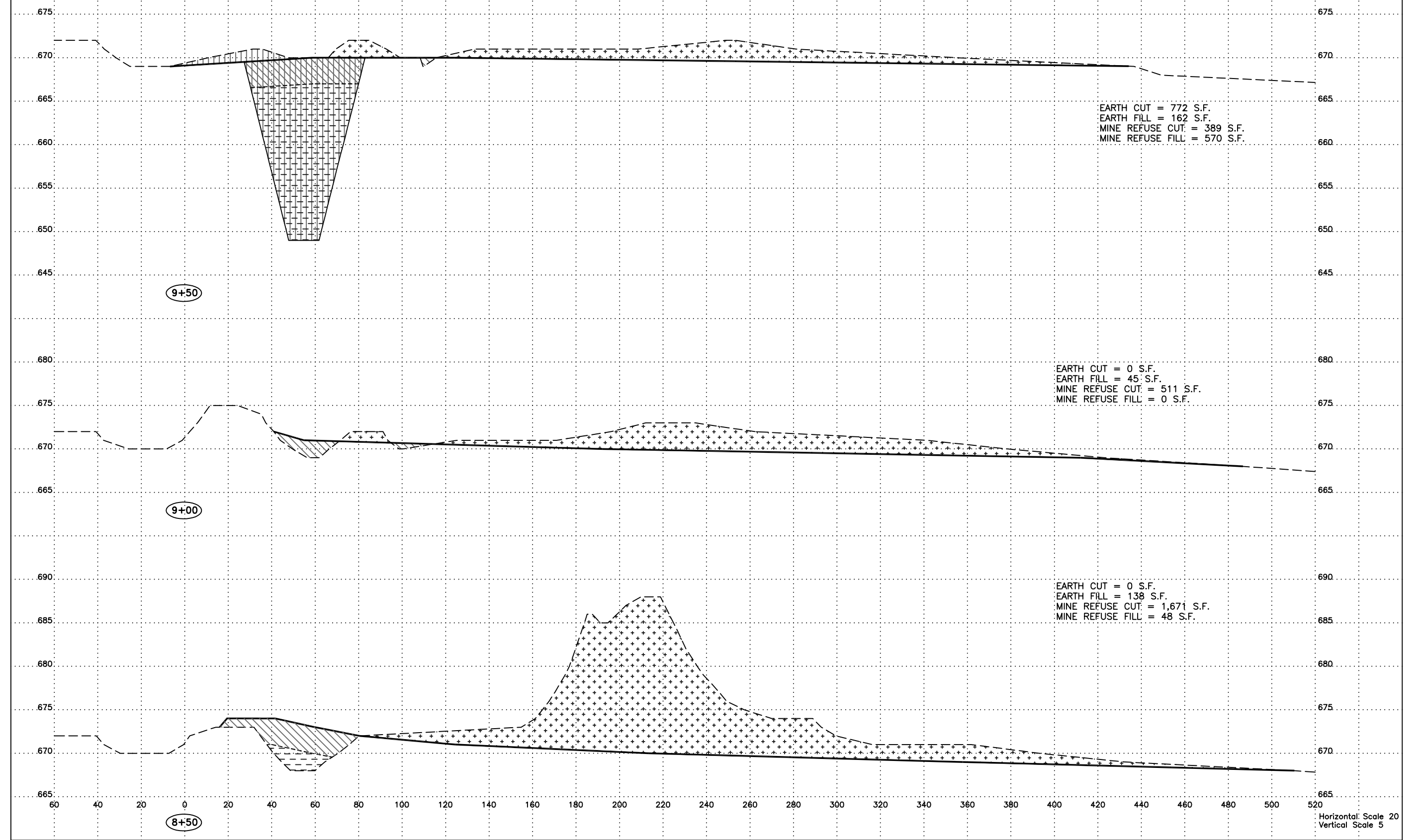
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 Vertical Scale 5

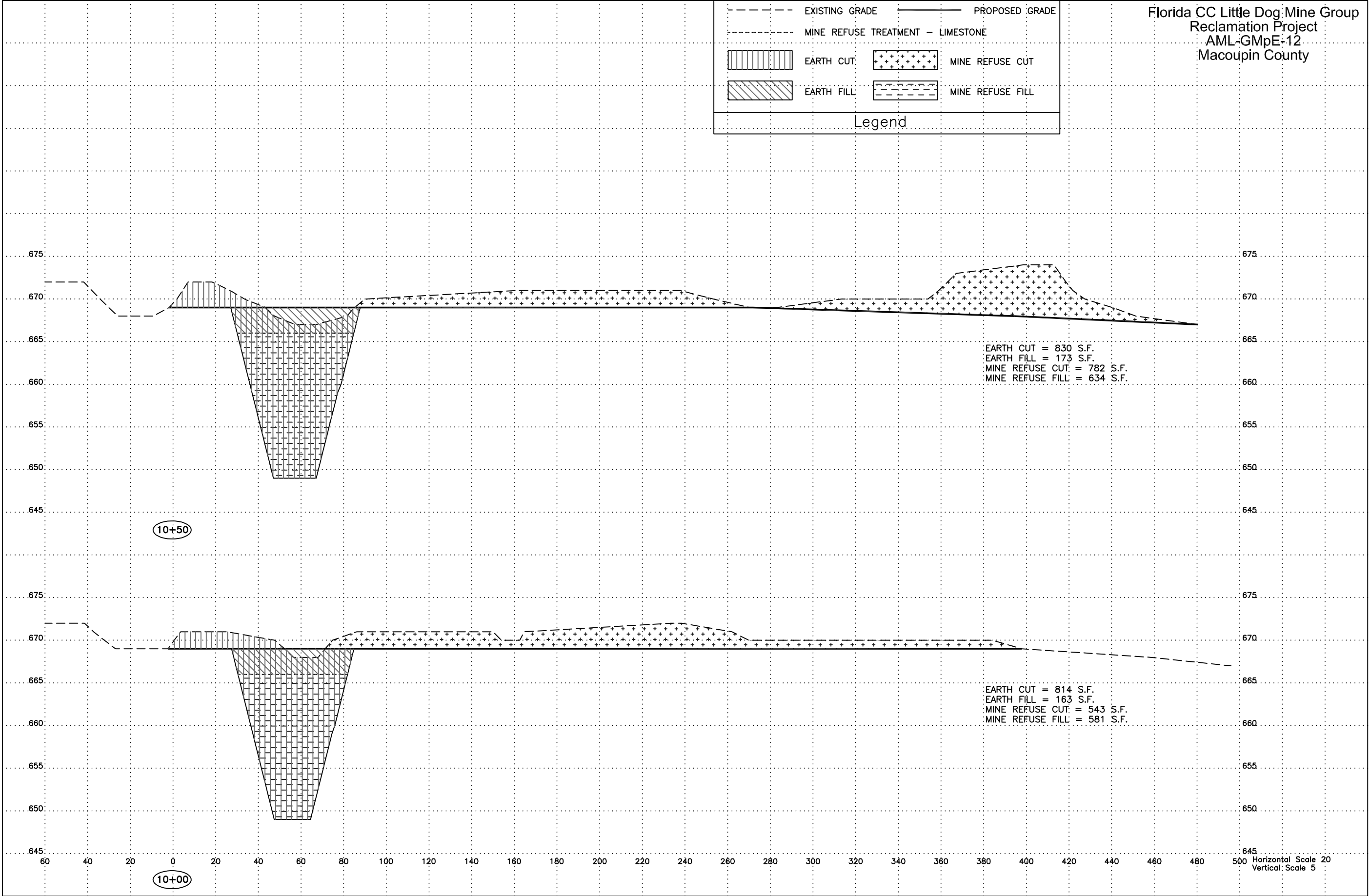
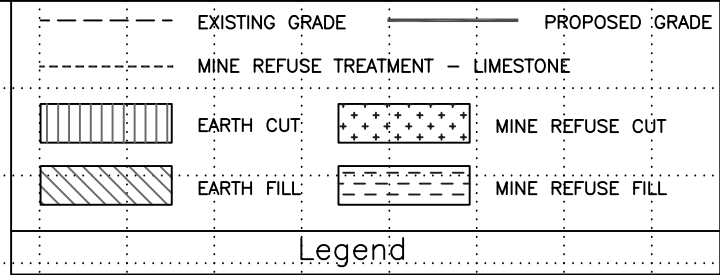


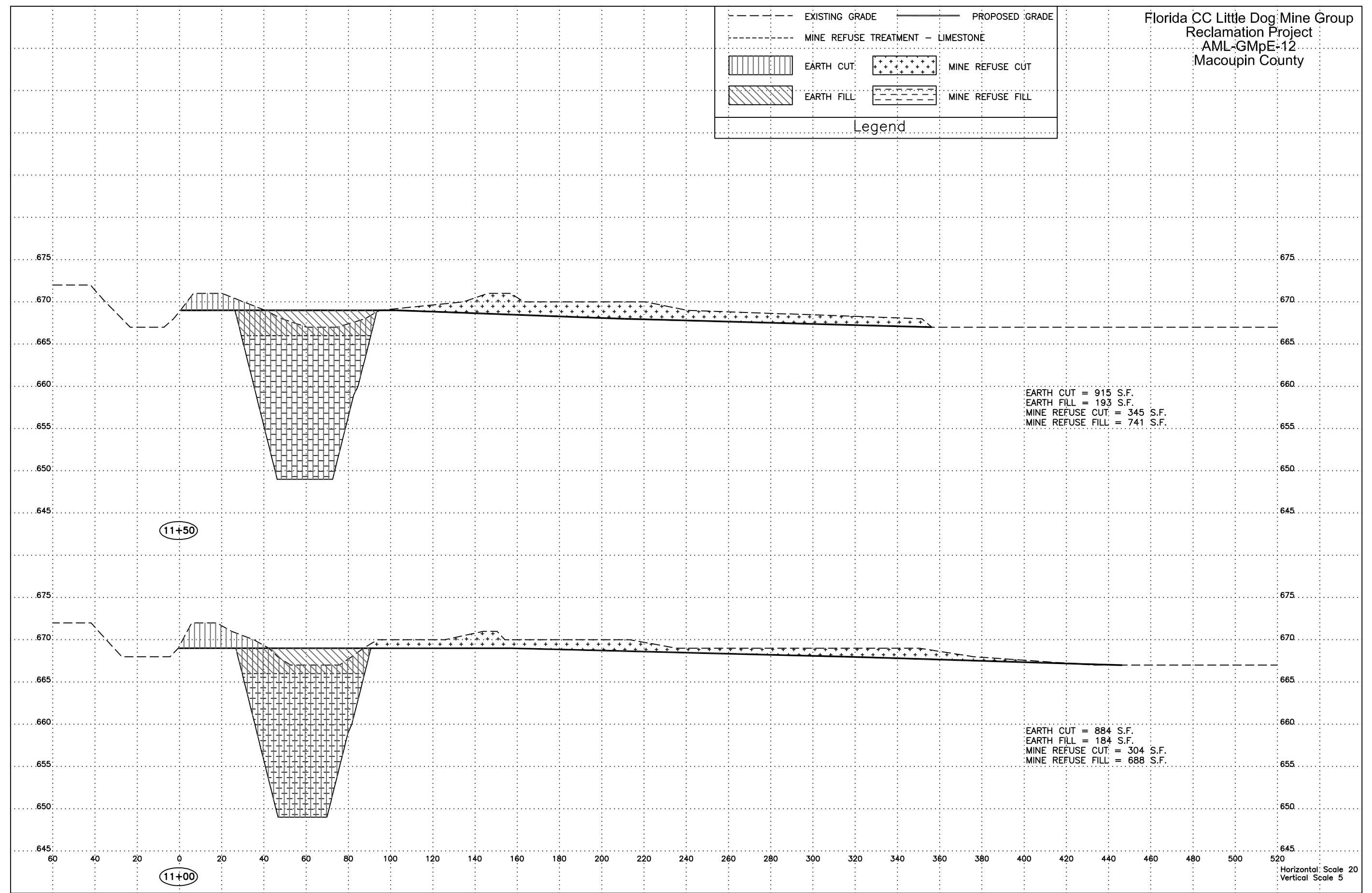
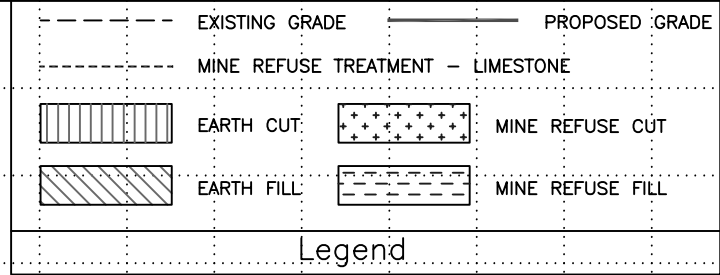
Horizontal Scale 20  
 Vertical Scale 5



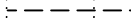

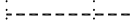
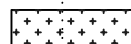

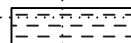
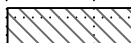




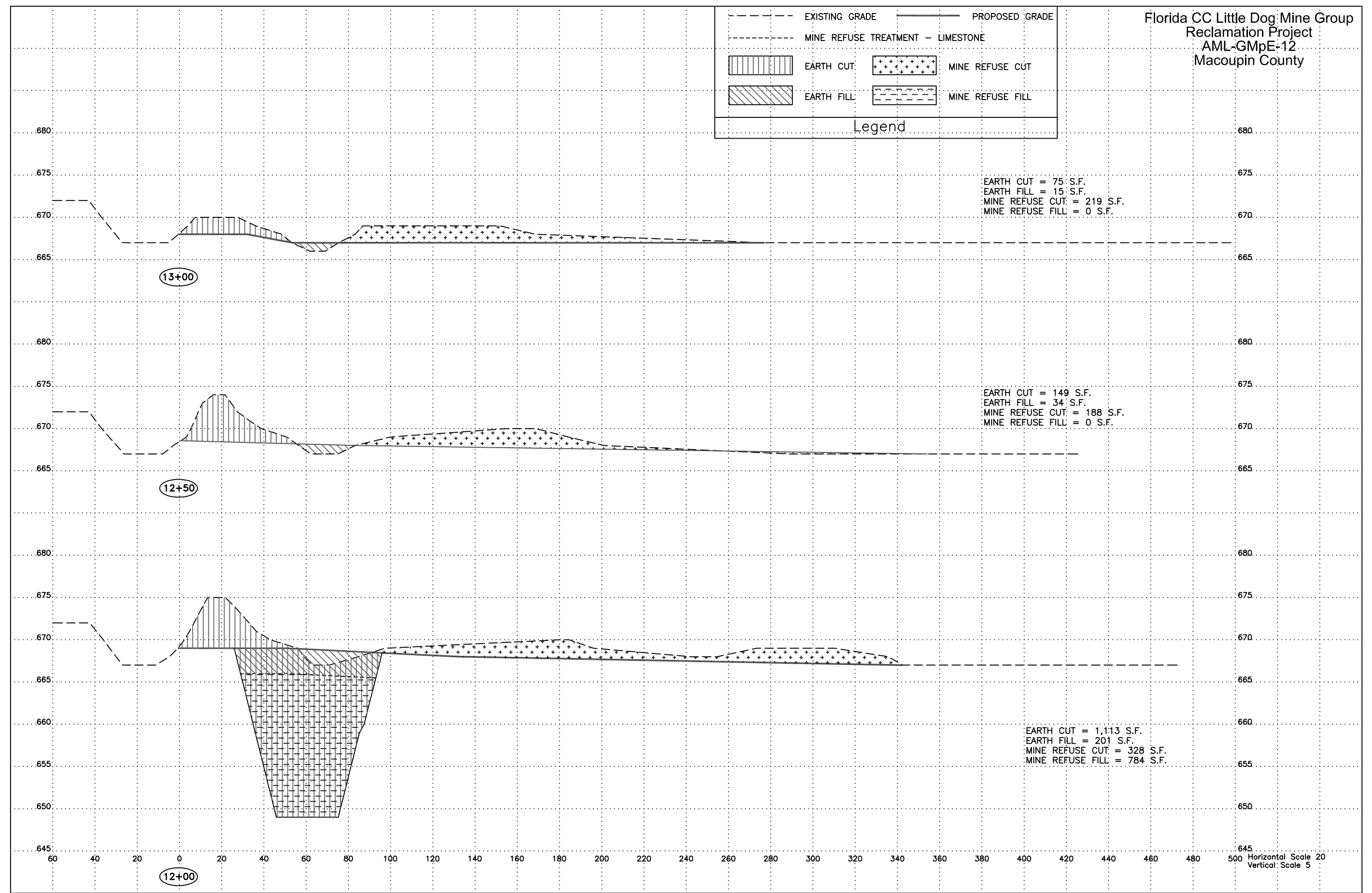


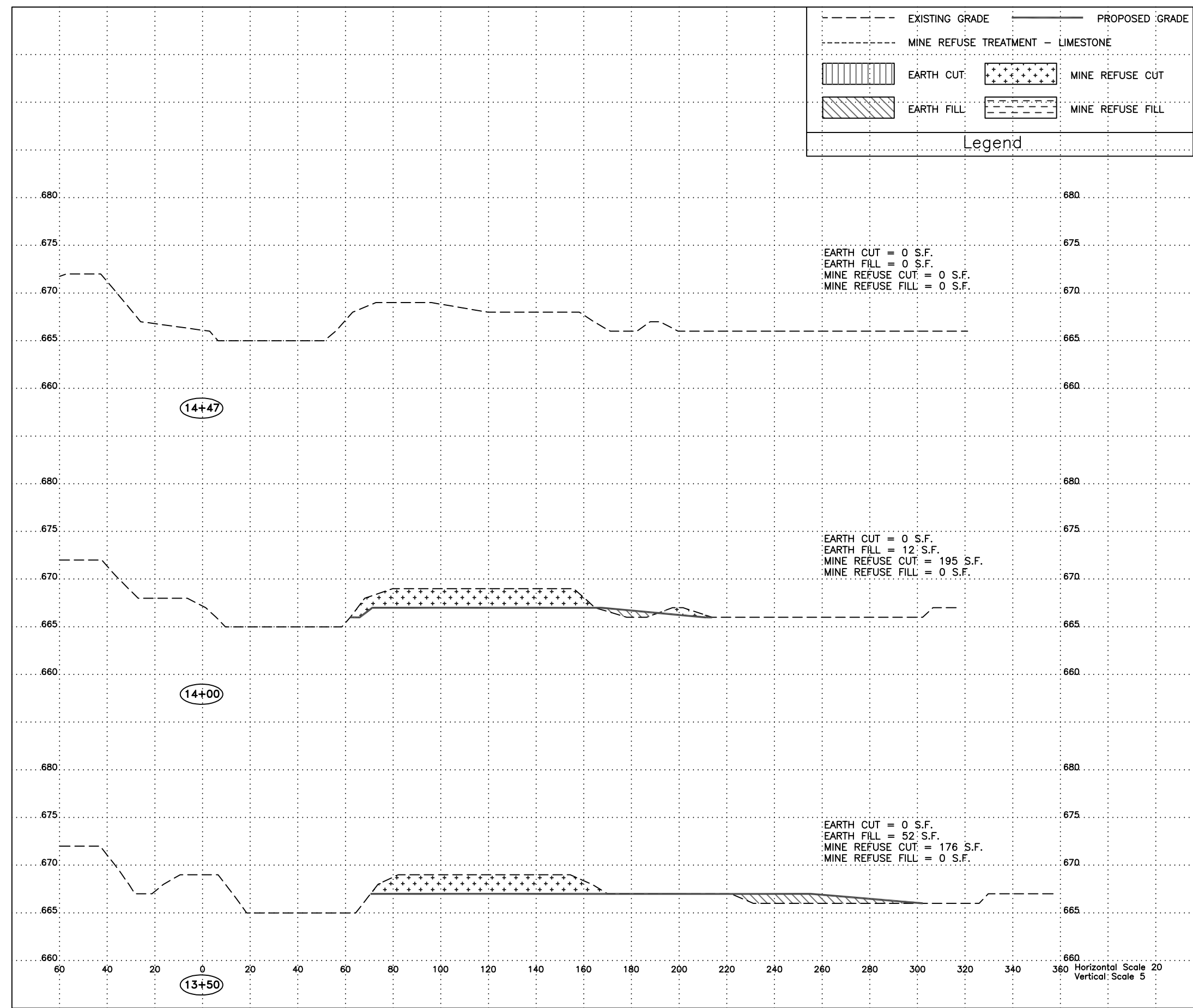
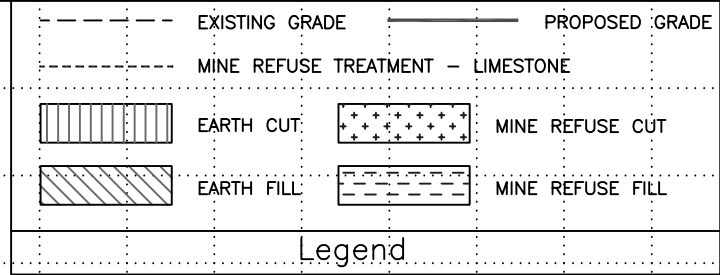




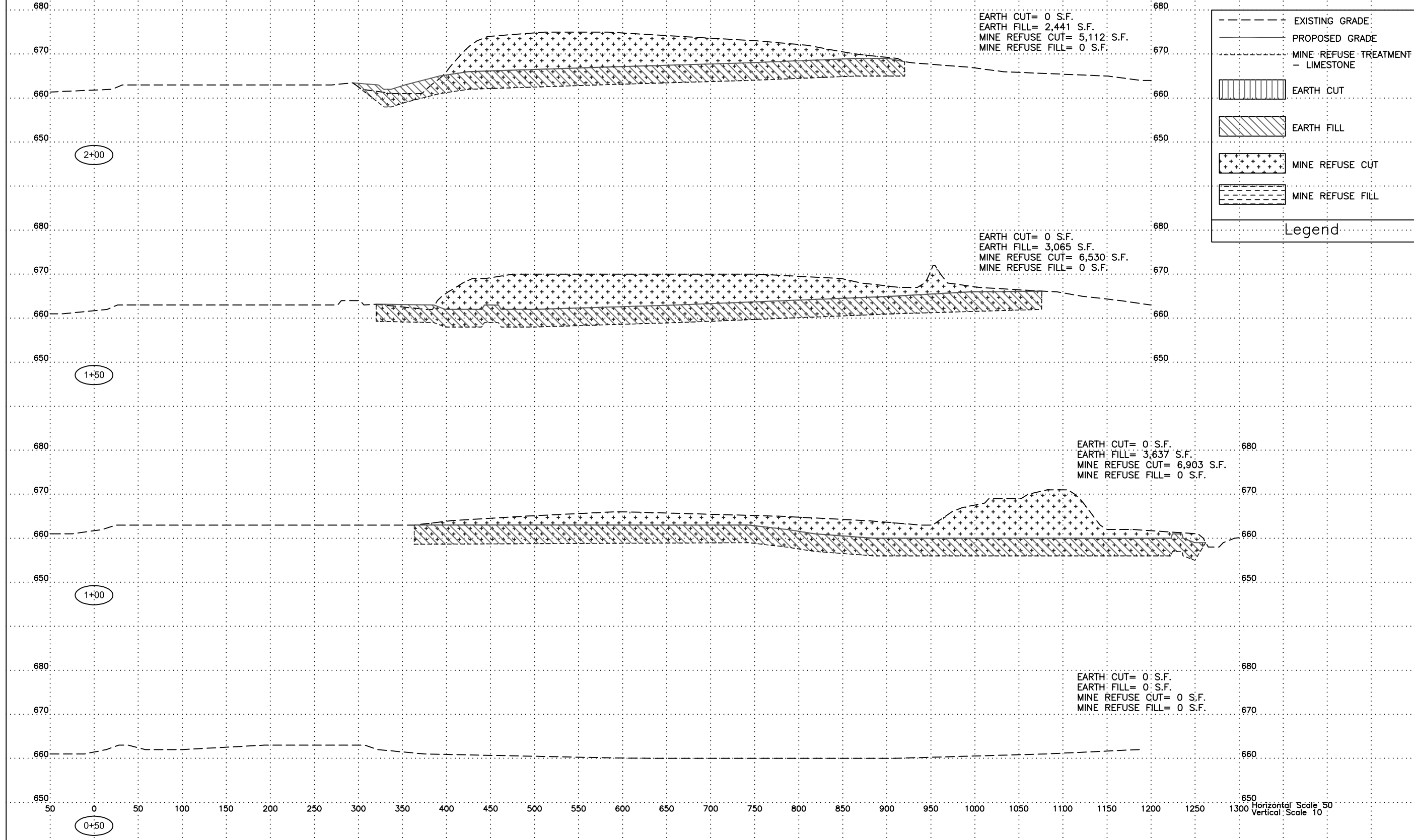
	EXISTING GRADE		PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE		MINE REFUSE CUT
	EARTH CUT		MINE REFUSE FILL
	EARTH FILL		

Legend

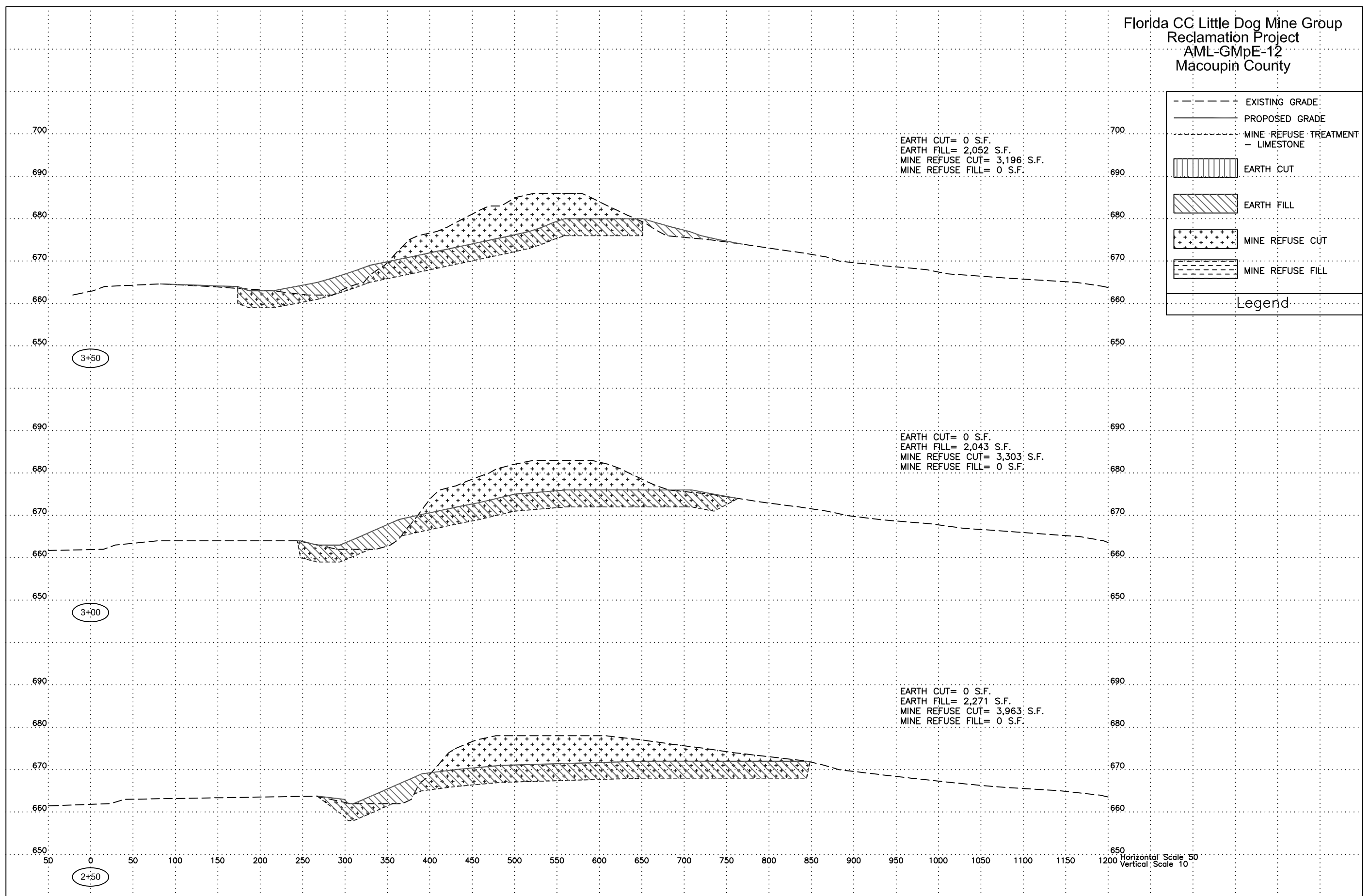




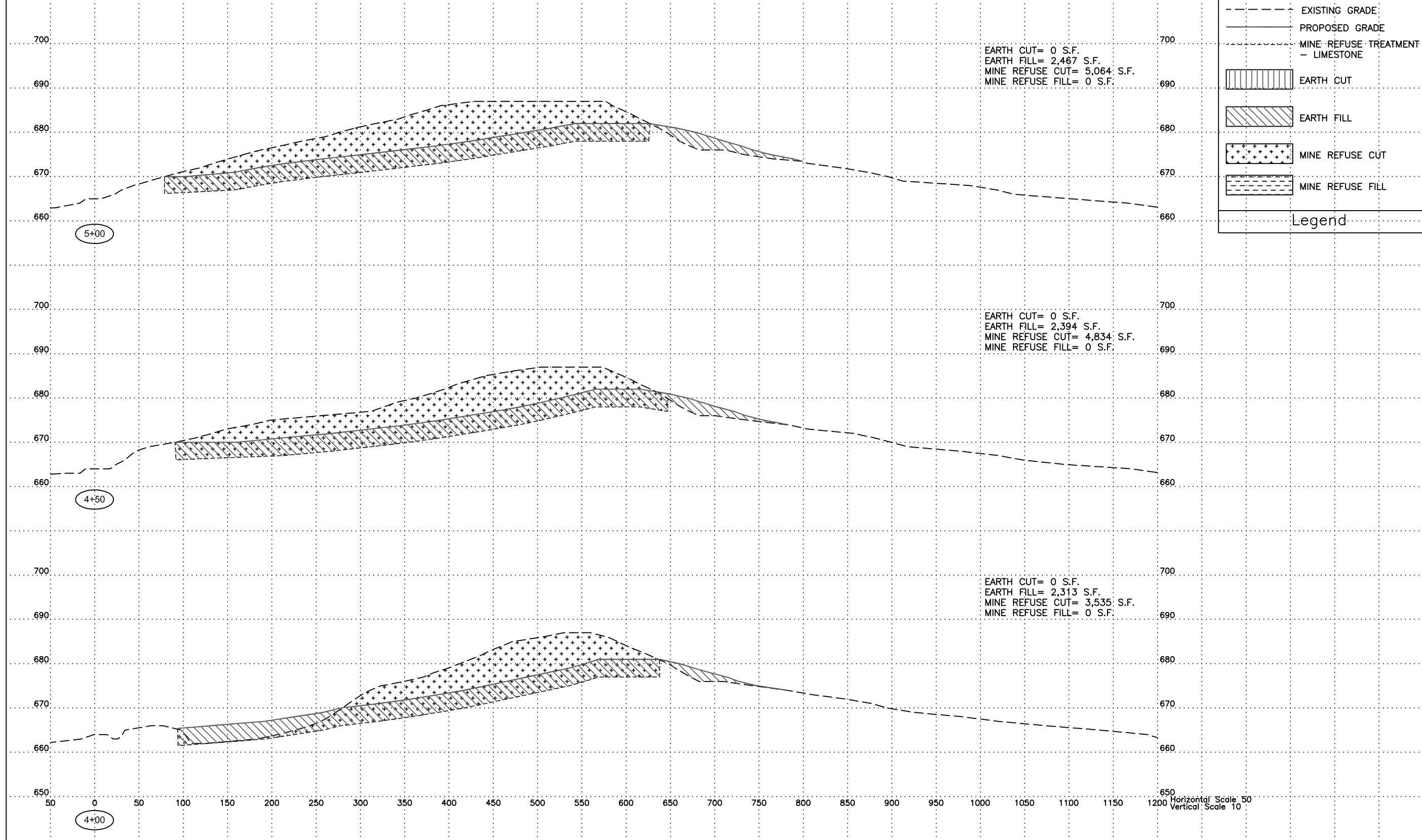
Florida CC Little Dog Mine Group  
 Reclamation Project  
 AML-GMpE-12  
 Macoupin County



Florida CC Little Dog Mine Group  
 Reclamation Project  
 AML-GMpE-12  
 Macoupin County

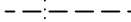

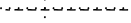

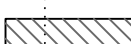
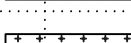
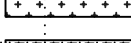


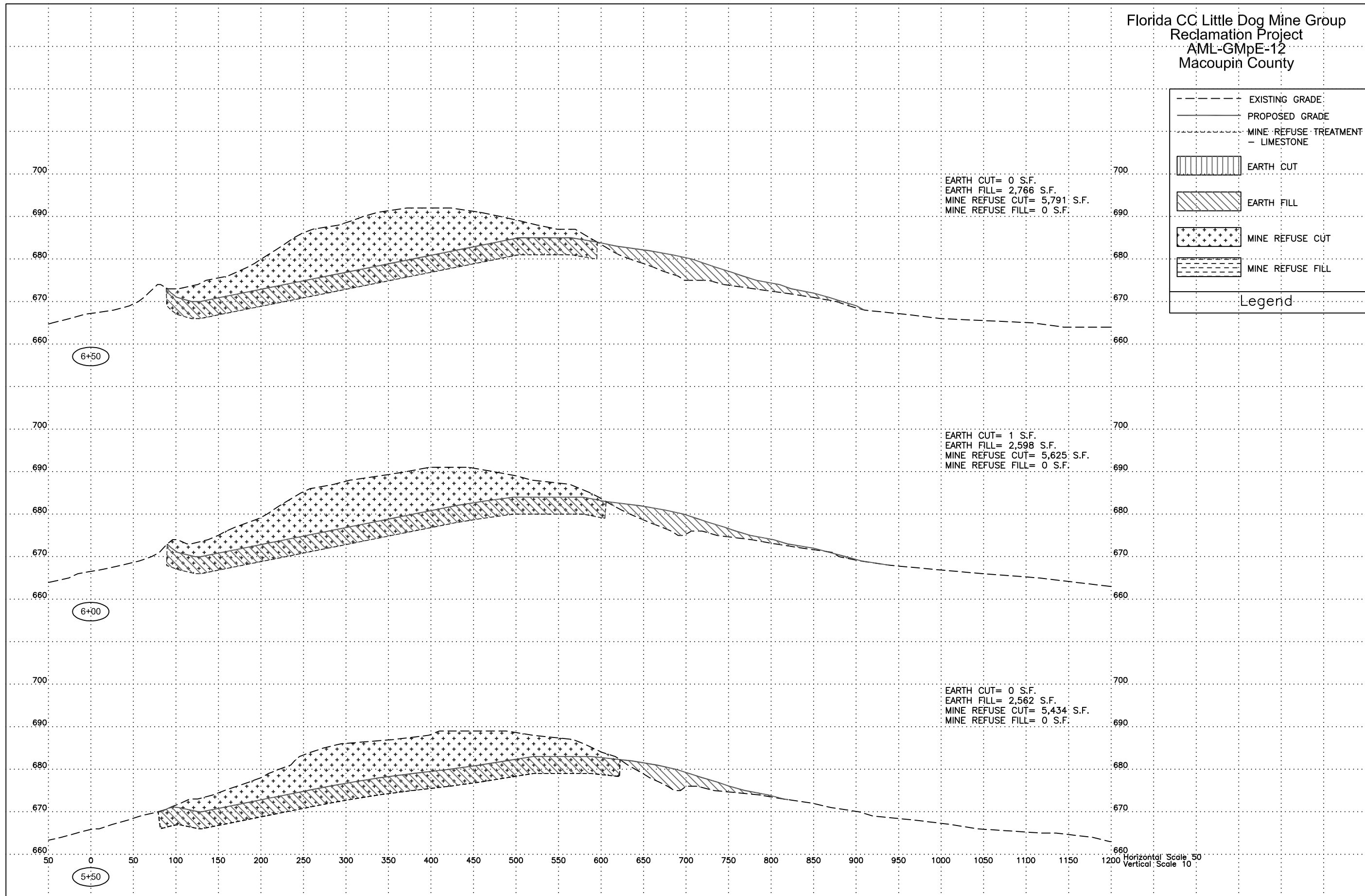
Florida CC Little Dog Mine Group  
 Reclamation Project  
 AML-GMpE-12  
 Macoupin County



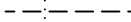

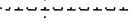




Horizontal Scale 50  
 Vertical Scale 10

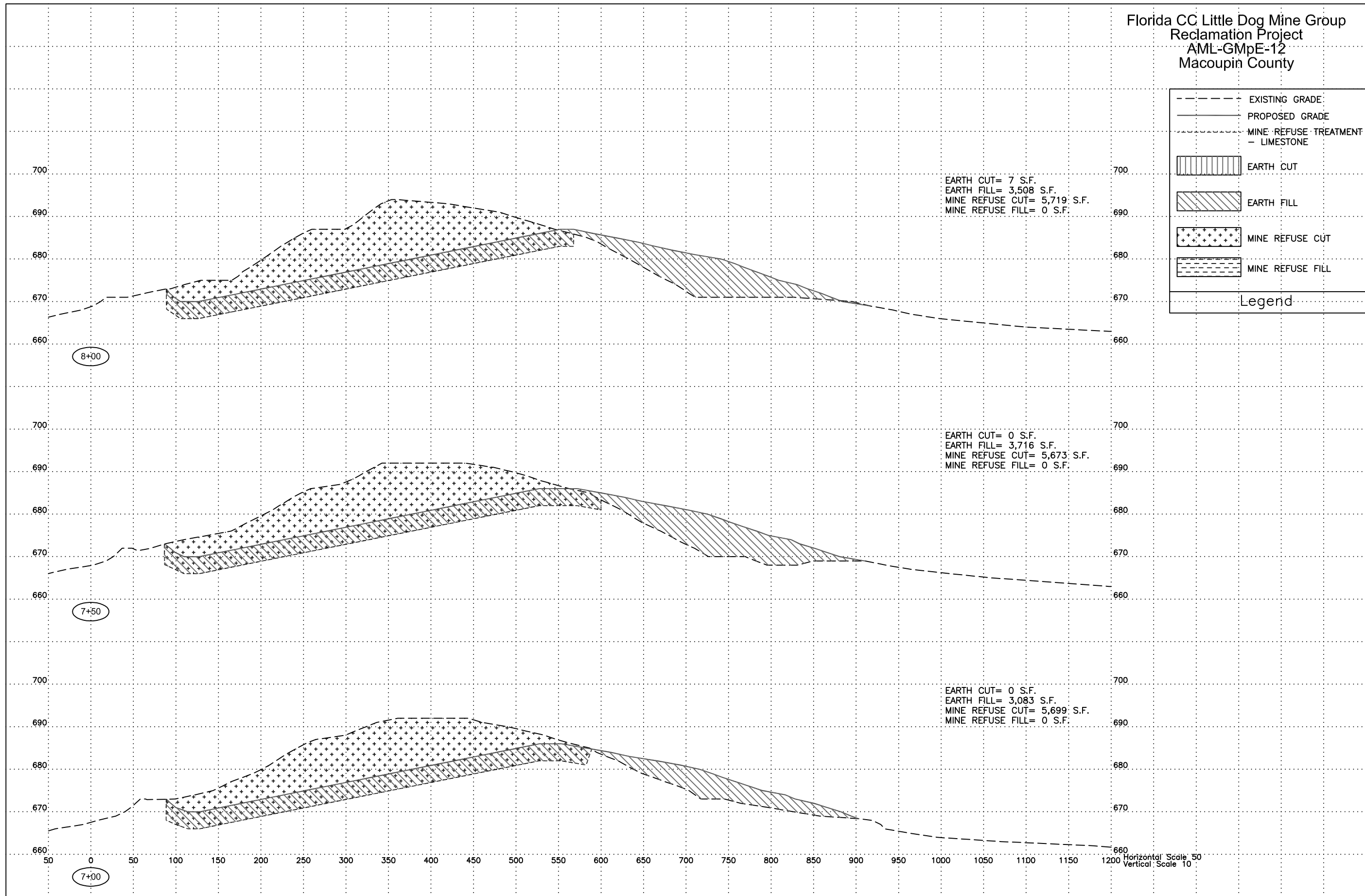
Florida CC Little Dog Mine Group  
 Reclamation Project  
 AML-GMpE-12  
 Macoupin County

	EXISTING GRADE
	PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE
	EARTH CUT
	EARTH FILL
	MINE REFUSE CUT
	MINE REFUSE FILL
Legend	

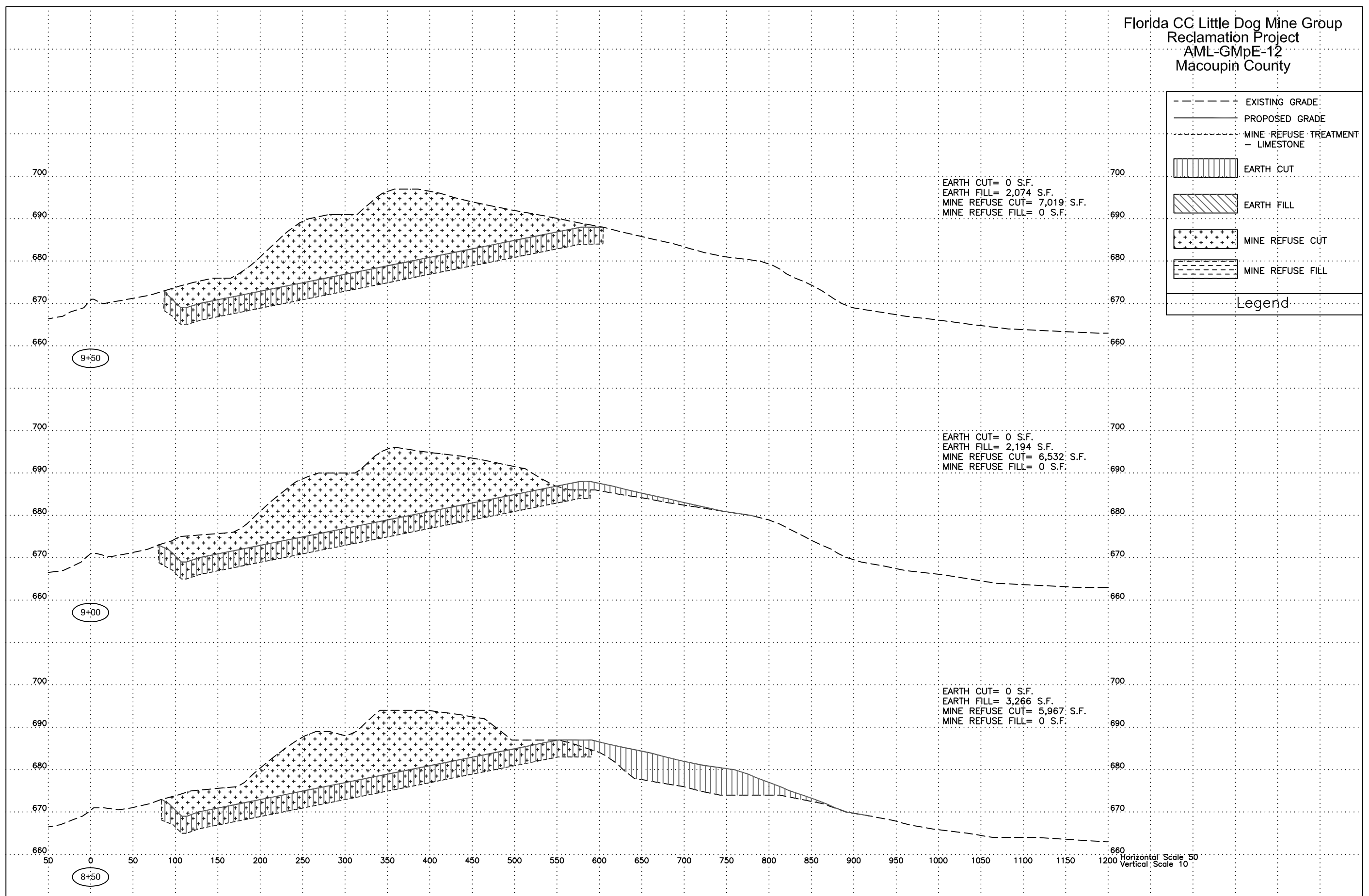


Florida CC Little Dog Mine Group  
 Reclamation Project  
 AML-GMpE-12  
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	EXISTING GRADE
	PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE
	EARTH CUT
	EARTH FILL
	MINE REFUSE CUT
	MINE REFUSE FILL
Legend	



Florida CC Little Dog Mine Group  
 Reclamation Project  
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Legend

- EXISTING GRADE
- PROPOSED GRADE
- MINE REFUSE TREATMENT - LIMESTONE
- [Vertical Lines] EARTH CUT
- [Diagonal Lines] EARTH FILL
- [Cross-hatch] MINE REFUSE CUT
- [Horizontal Dashed] MINE REFUSE FILL

EARTH CUT= 0 S.F.  
 EARTH FILL= 2,074 S.F.  
 MINE REFUSE CUT= 7,019 S.F.  
 MINE REFUSE FILL= 0 S.F.

EARTH CUT= 0 S.F.  
 EARTH FILL= 2,194 S.F.  
 MINE REFUSE CUT= 6,532 S.F.  
 MINE REFUSE FILL= 0 S.F.

EARTH CUT= 0 S.F.  
 EARTH FILL= 3,266 S.F.  
 MINE REFUSE CUT= 5,967 S.F.  
 MINE REFUSE FILL= 0 S.F.

9+50

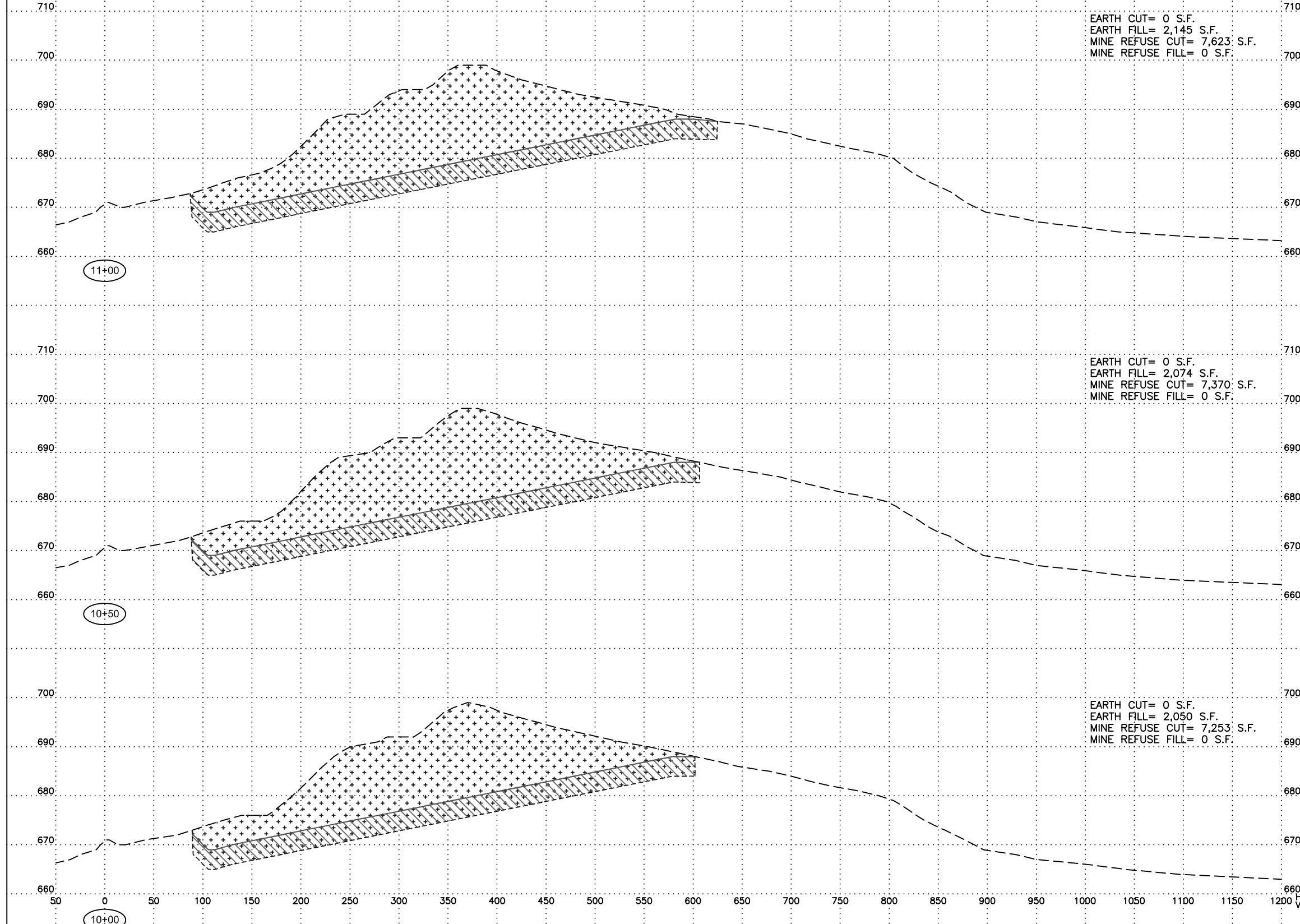
9+00

8+50

Horizontal Scale 50  
 Vertical Scale 10



Florida CC Little Dog Mine Group  
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**Legend**

- EXISTING GRADE
- PROPOSED GRADE
- MINE REFUSE TREATMENT - LIMESTONE
- ||||| EARTH CUT
- /// EARTH FILL
- \*\*\* MINE REFUSE CUT
- MINE REFUSE FILL

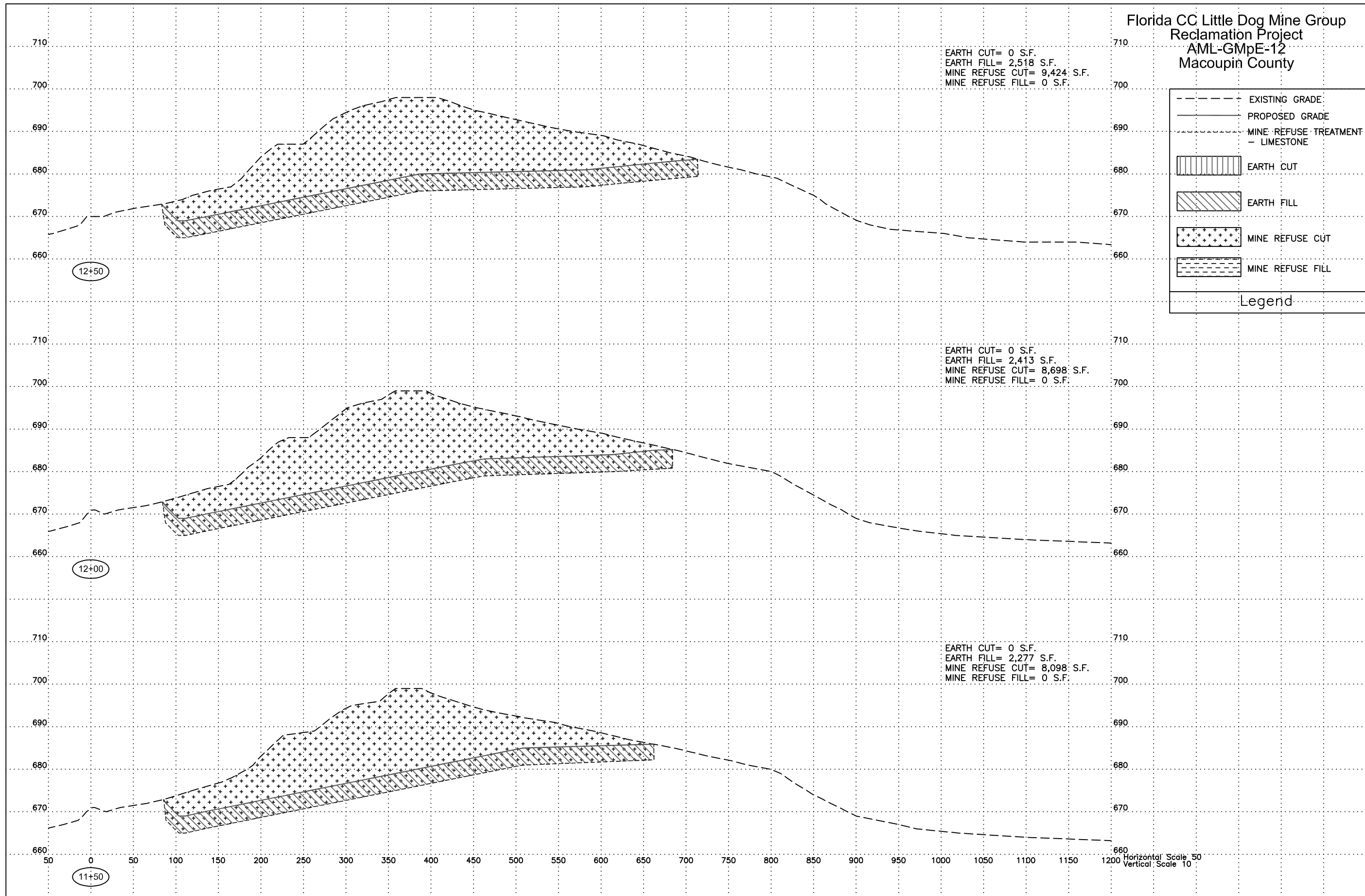
11+00

10+50

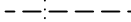

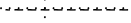




10+00

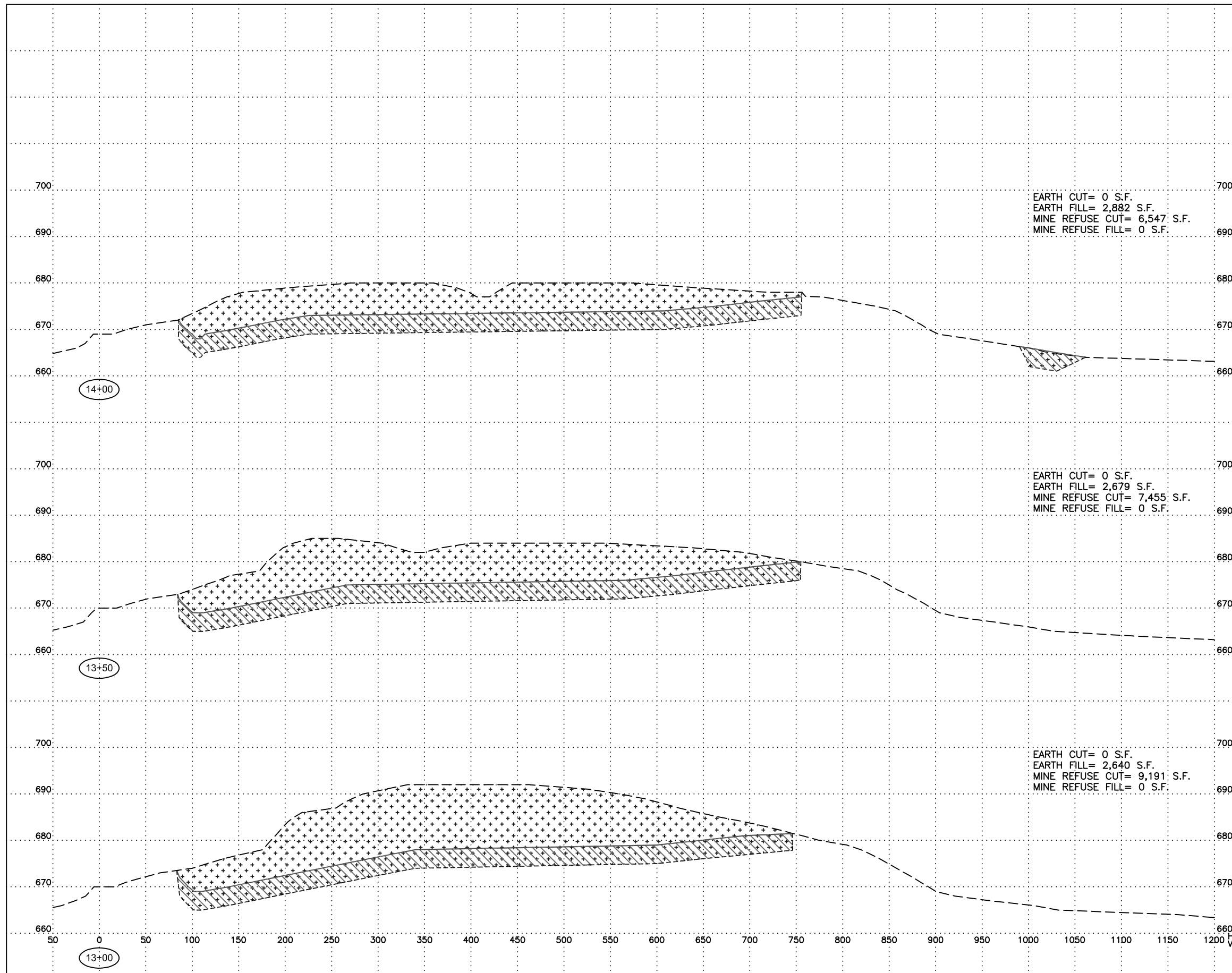
Horizontal Scale 50  
 Vertical Scale 10

Florida CC Little Dog Mine Group  
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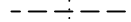

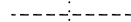

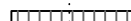

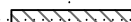


Florida CC Little Dog Mine Group  
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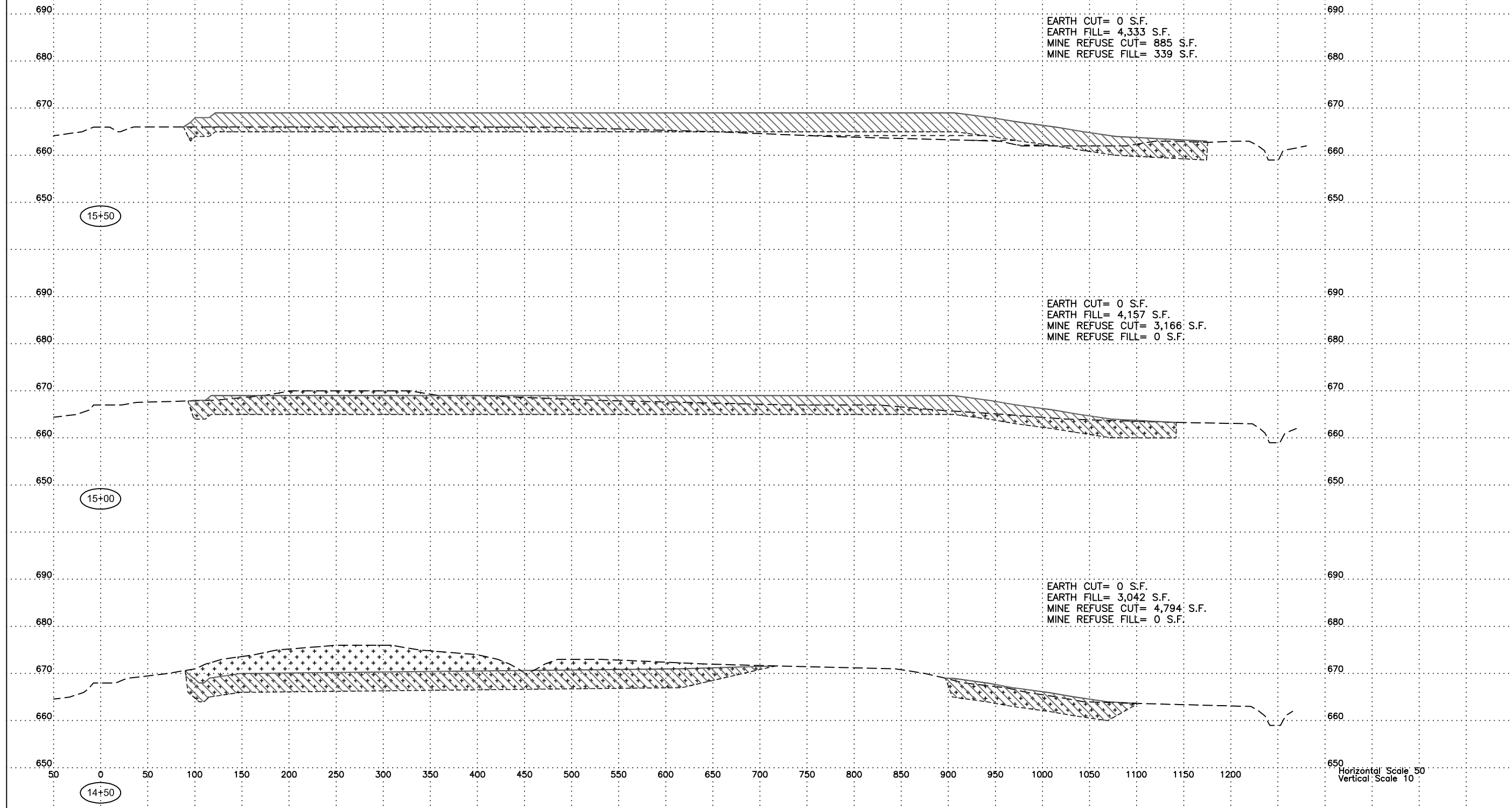
	EXISTING GRADE
	PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE
	EARTH CUT
	EARTH FILL
	MINE REFUSE CUT
	MINE REFUSE FILL
Legend	



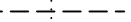


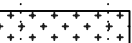

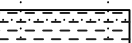
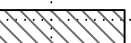
Horizontal Scale 50  
 Vertical Scale 10

	EXISTING GRADE		PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE		MINE REFUSE CUT
	EARTH CUT		MINE REFUSE FILL
	EARTH FILL		

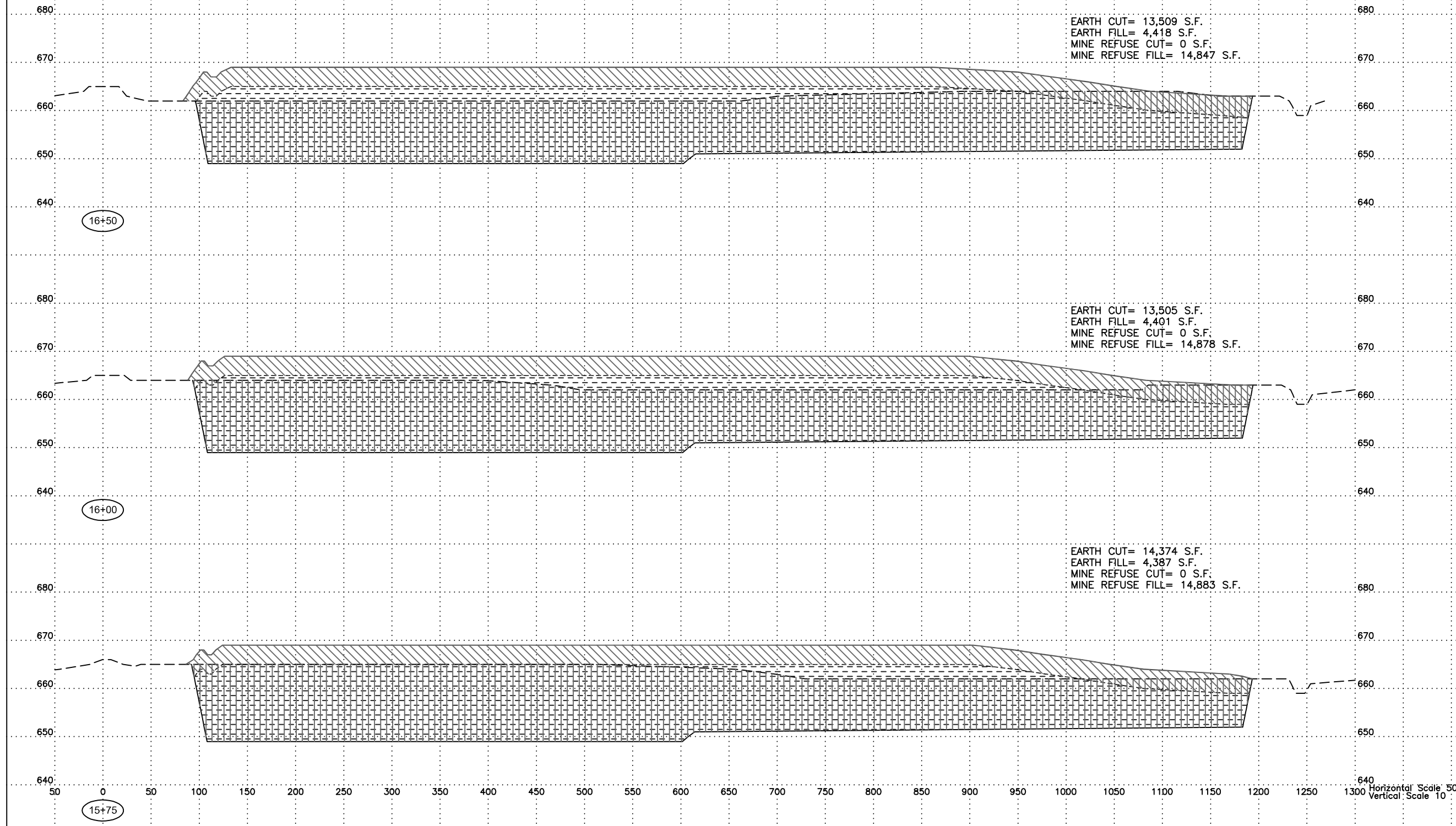
Legend

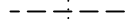

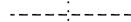
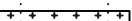
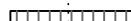
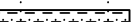
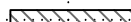


Horizontal Scale 50  
 Vertical Scale 10

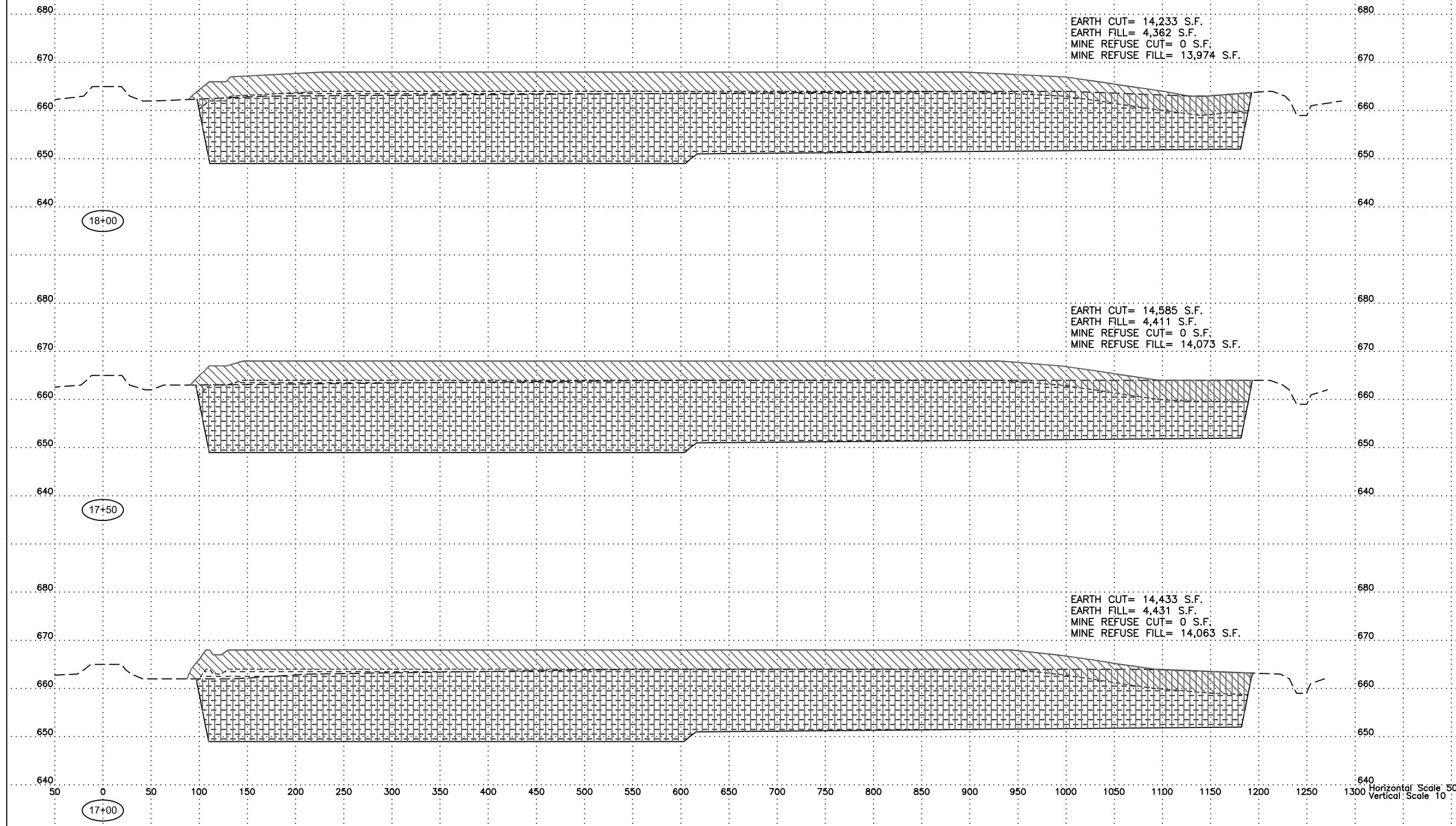
	EXISTING GRADE		PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE		MINE REFUSE CUT
	EARTH CUT		MINE REFUSE FILL
	EARTH FILL		

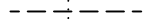

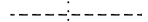
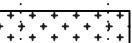

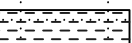
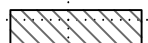
Legend



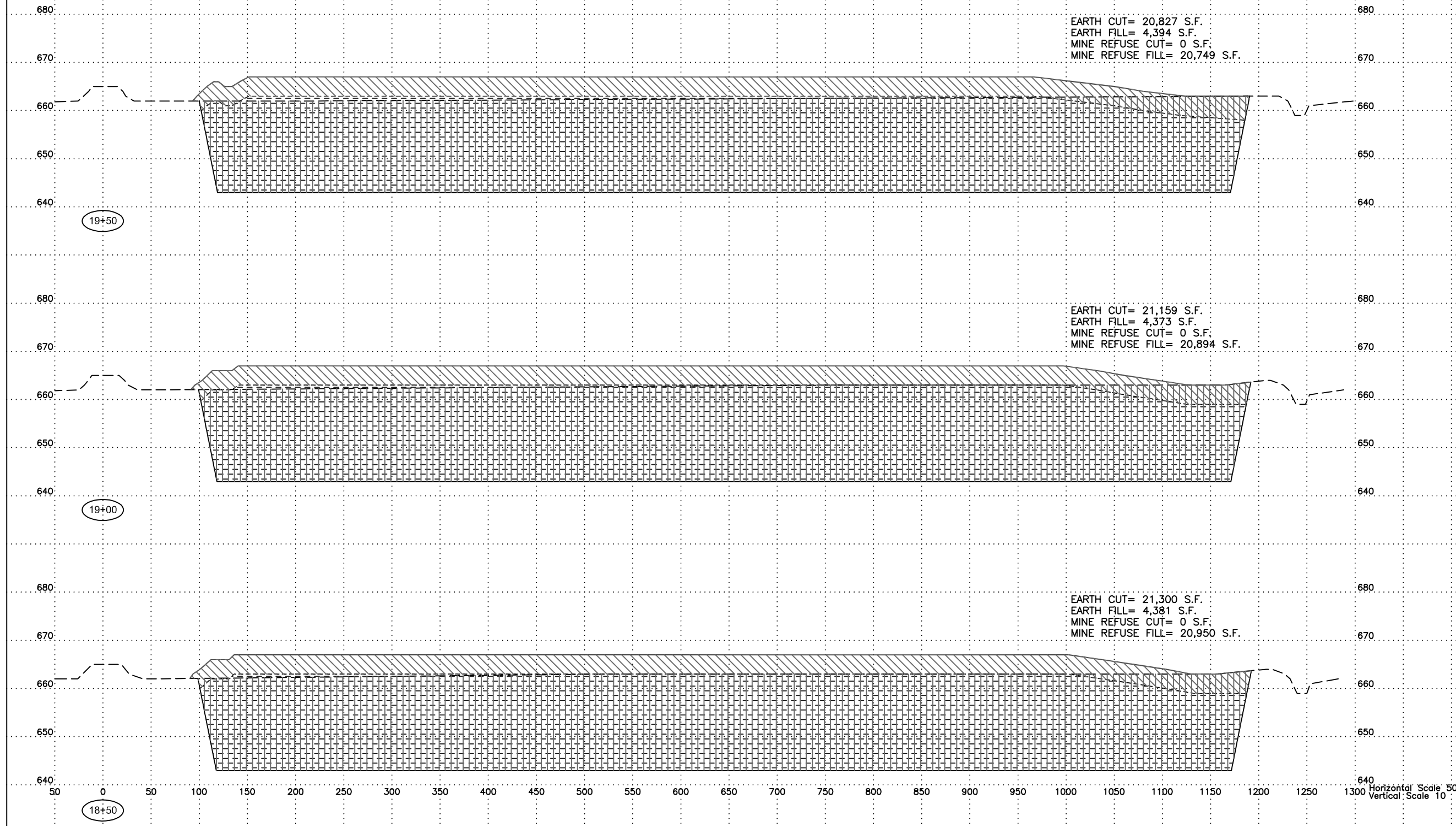
	EXISTING GRADE		PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE		MINE REFUSE CUT
	EARTH CUT		MINE REFUSE FILL
	EARTH FILL		

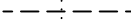

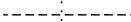


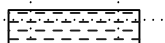
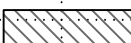
Legend



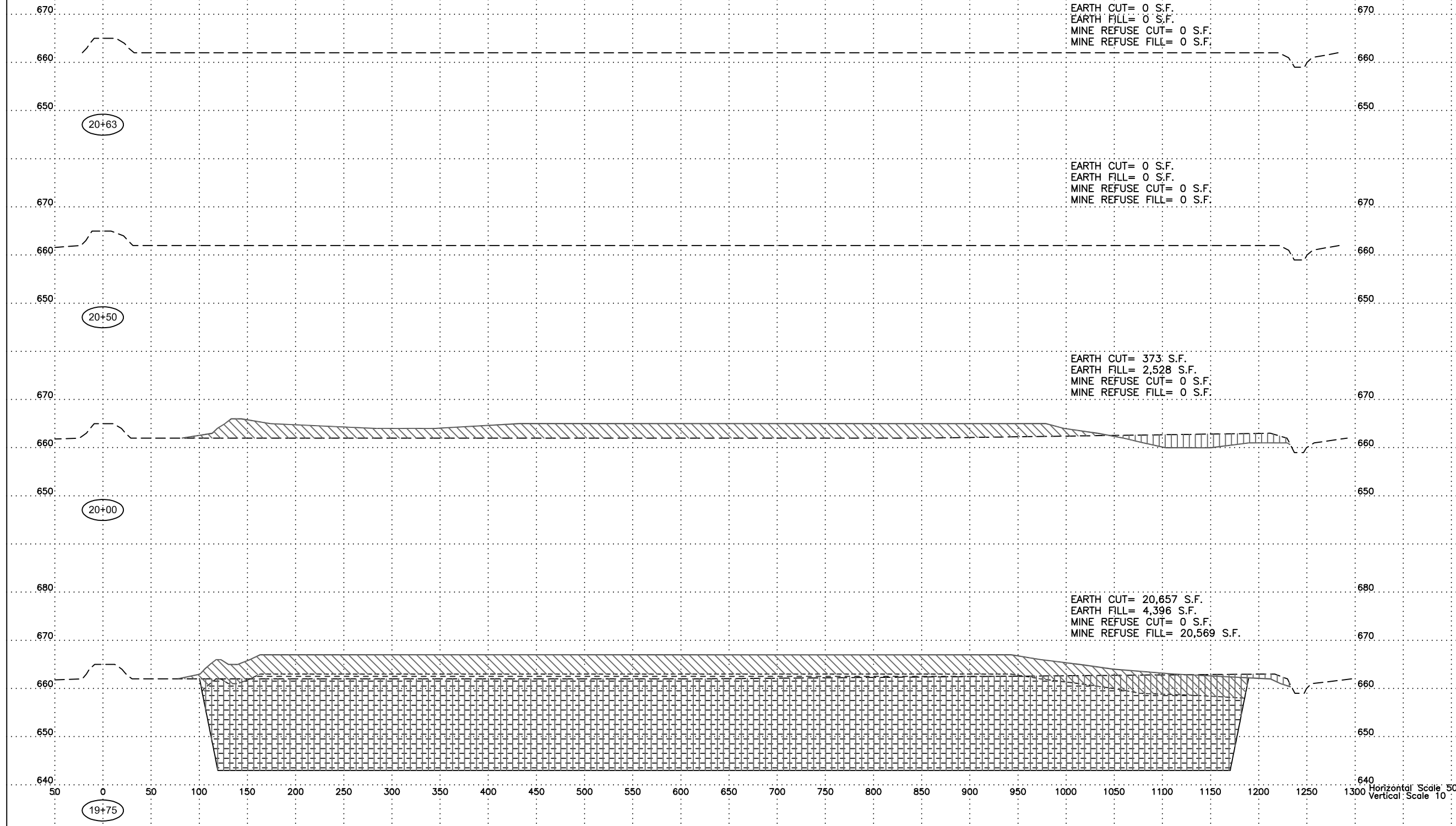
	EXISTING GRADE		PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE		MINE REFUSE CUT
	EARTH CUT		MINE REFUSE FILL
	EARTH FILL		

Legend

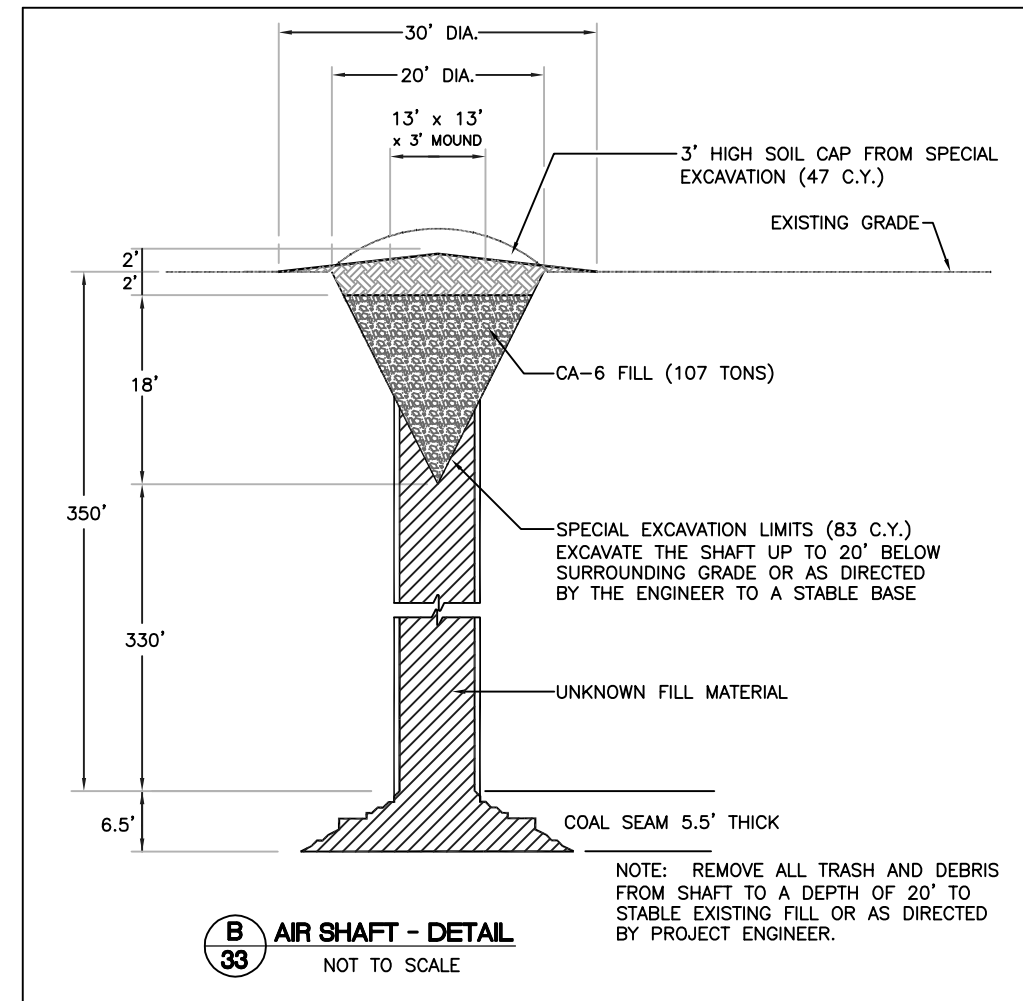
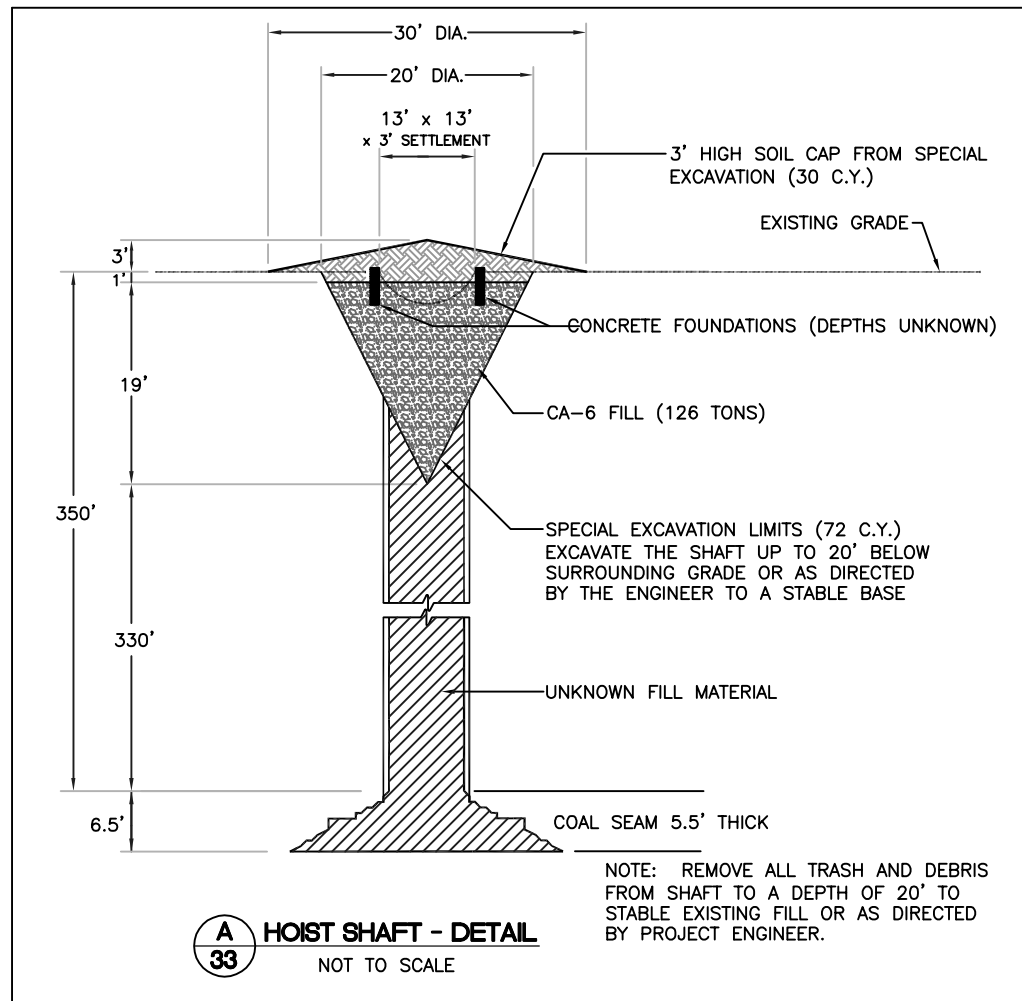


	EXISTING GRADE		PROPOSED GRADE
	MINE REFUSE TREATMENT - LIMESTONE		MINE REFUSE CUT
	EARTH CUT		MINE REFUSE FILL
	EARTH FILL		

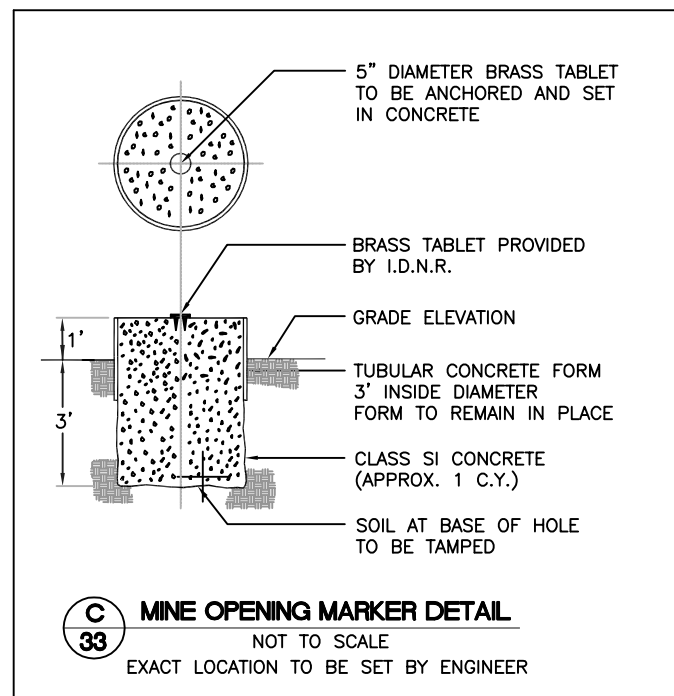
Legend







NOTE:  
DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SHAFTS, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN PERFORMING WORK NEAR THEM. THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITY FOR SPECIAL EXCAVATION AND BACKFILLING MATERIALS AS DETERMINED BY THE EXACT CONDITIONS ENCOUNTERED DURING SPECIAL EXCAVATION.



SPACING LETTERS	
2.0"	3.5"
1.5"	3.5"
1.5"	3.5"
1.5"	3.5"
3.5"	3.0"
3.5"	2.5"
1.5"	2.5"
3.5"	2.0"
1.5"	2.0"
2.0"	2.0"

RECLAMATION PROJECT  
of the  
DEPARTMENT OF NATURAL RESOURCES  
STATE OF ILLINOIS  
PAT QUINN, GOVERNOR  
Marc Miller, Director  
Department of Natural Resources  
In cooperation with the Office of Surface Mining  
United States Department of the Interior

1. Furnishing, erecting and removing the sign shall be incidental to the contract.
2. The sign shall be painted on 1/2" or thicker exterior plywood (4' x 8'), color shall be black on white, and a 10" diameter Illinois state seal shall be provided by the D.N.R.
3. The posts shall be made of 4" x 4" wood or 2.5" metal pipe, and shall be 10' long. The sign shall be securely fastened to the posts with six 2.5" long, round head wood screws (for wood posts) or four 5" long, 3/8" diameter carriage bolts (for wood or metal posts).
4. The top of the sign shall be level with the top of the posts, and the posts shall be 1' from the edges of the sign. The posts shall be set in the ground 3', so that the bottom of the sign is 3' from the ground.

**D** CONSTRUCTION SIGN DETAIL  
33 NOT TO SCALE  
EXACT LOCATION TO BE SET BY ENGINEER