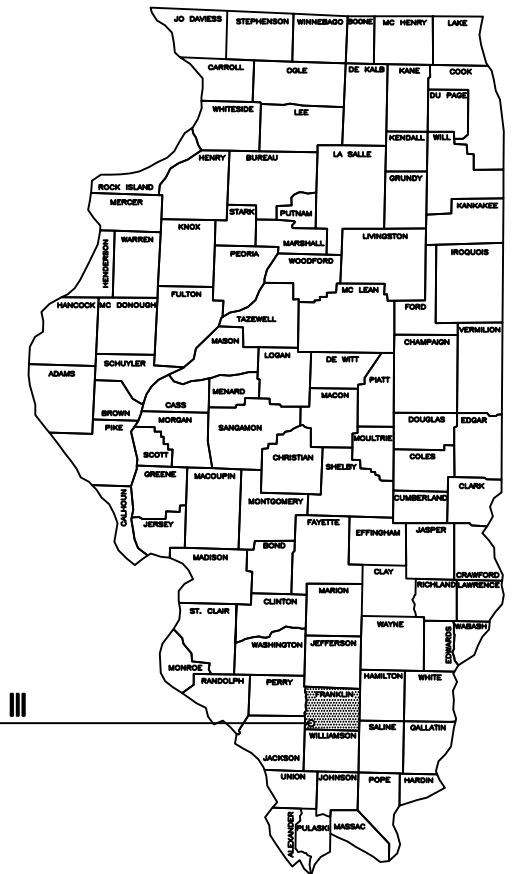


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands

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

Franklin County Coal Company No 7, Phase III
 Reclamation Project
 AML-GFrE-1312
 Franklin County
 1LR



Franklin County C.C. No 7 Phase III
 Franklin County

PRE-BID MEETING

A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT ON WEDNESDAY APRIL 16, 2014
 AT 9:30 A.M. AT THE MINE ACCESS ROAD ENTRANCE AT EAST THIRD STREET NORTH.
 ALL PRIME AND SUBCONTRACTORS ARE ENCOURAGED TO ATTEND.

Certified Copy

SCHEDULE OF DRAWINGS:

1. Cover Sheet
2. Summary of Quantities / General Notes / Location Map
3. Site Information
- 4.-5. Existing Conditions - Main Site
6. Existing Conditions - North Site
- 7.-8. Proposed Conditions - Main Site
9. Proposed Conditions - North Site
- 10.-18. Cross Sections - Main Site
- 19.-21. Cross Sections - North Site
22. Details

CONTRACT NO. M1312

Prepared By IDNR Staff

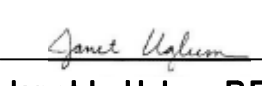
Approved for Bidding:


 James Hafliker, Acting Director
 Office of Mines and Minerals

Approved By:


 J. Gregory Pinto, Acting Manager
 AMLR Division

Approved By:


 Janet L. Uglum, P.E.
 IL Licensed Professional Engineer
 No. 062-054108



Summary of Quantities								
Item No.	#	Item	Section	Quantity			Unit	Rates/Remarks
				Main	North	Total		
NRM20110	1	Special Clearing	201	0.6	0.4	1	L SUM	
NRM20210	2	Earth Excavation	202	102,566	27,207	129,773	CU YD	COMPACTION IN ACCORDANCE WITH SECTION 205 OF SPECIAL PROVISIONS
NRM20230	3	Mine Refuse Excavation	202	83,434	30,616	114,050	CU YD	
NRM25040	4	Nitrogen Fertilizer Nutrient	250	6,420	2,000	8,420	POUND	100 LB / ACRE TWICE
NRM25050	5	Phosphorus Fertilizer Nutrient	250	3,852	1,200	5,052	POUND	120 LB / ACRE
NRM25060	6	Potassium Fertilizer Nutrient	250	9,630	3,000	12,630	POUND	300 LB / ACRE
NRM25070	7	Agricultural Ground Limestone	250	160.5	50.0	210.5	TON	5 TON / ACRE
NRM25090	8	Seeding	250	27.6	6.2	33.8	ACRE	SEEDING - PERMANENT
NRM25091	9	Seeding - Wetland	250	4.5	3.8	8.3	ACRE	
25100115	10	Mulch, Method 2, Procedure 1	IDOT 251	32.1	10.0	42.1	ACRE	2 TON / ACRE
NRM25510	11	Mine Refuse Treatment - Limestone	255	310.0	100.0	410.0	TON	10 TON / ACRE
NRM25810	12	Mowing	258	25.9	7.9	33.8	ACRE	
NRM28040	13	Perimeter Erosion Barrier	280	-	530	530	FOOT	
NRM28050	14	Inlet and Pipe Protection	280	3	-	3	EACH	
28100205	15	Stone Riprap, Class A3	IDOT 281	836.2	35.0	871.2	TON	
NRM28610	16	Special Excelsior Blanket	286	2,003	409	2,412	SQ YD	8' WIDE
40200800	17	Aggregate Surface Course, Type B	IDOT 402	365.1	-	365.1	TON	CA-1 AND CA-6
542C0217	18	Pipe Culverts, Class C, Type 1 12"	IDOT 542	50	-	50	FOOT	CORRUGATED
542C0223	19	Pipe Culverts, Class C, Type 1 18"	IDOT 542	135	-	135	FOOT	POLYETHYLENE (PE) PIPE
542C0229	20	Pipe Culverts, Class C, Type 1 24"	IDOT 542	120	-	120	FOOT	WITH A SMOOTH INTERIOR
NRM61410	21	Dewatering Impoundments	614	0.9	0.1	1	L SUM	
NRM67110	22	Mobilization (Max. 6% of Bid)	671	0.8	0.2	1	L SUM	

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 two 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 cleared from the site shall be disposed onsite per Section 201 of the Special Provisions. No clearing of trees outside the construction limits may occur.

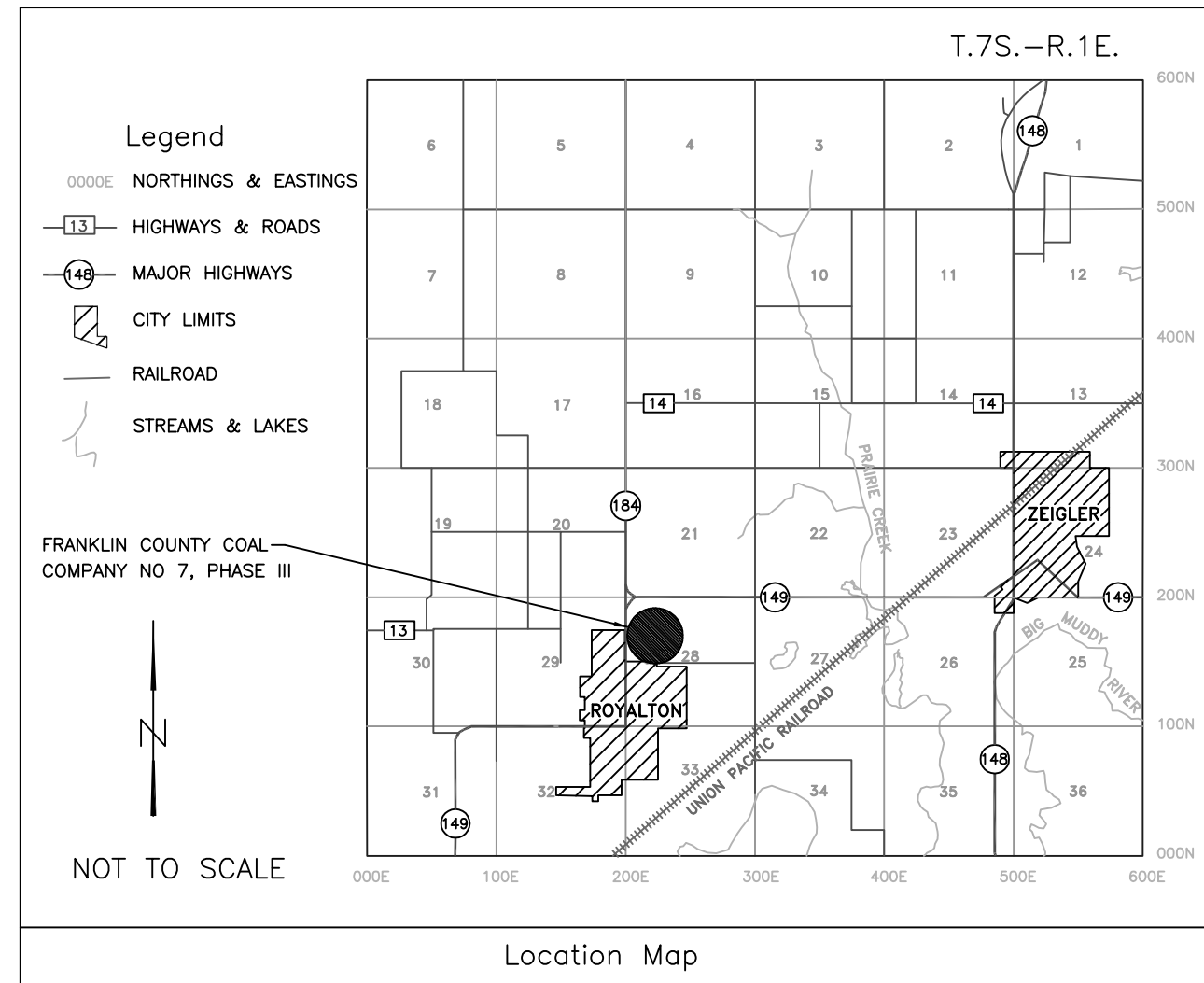
ACID WATER TREATMENT-Acid mine drainage treatment shall be in accordance with Section 614 of the Special Provisions.

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.

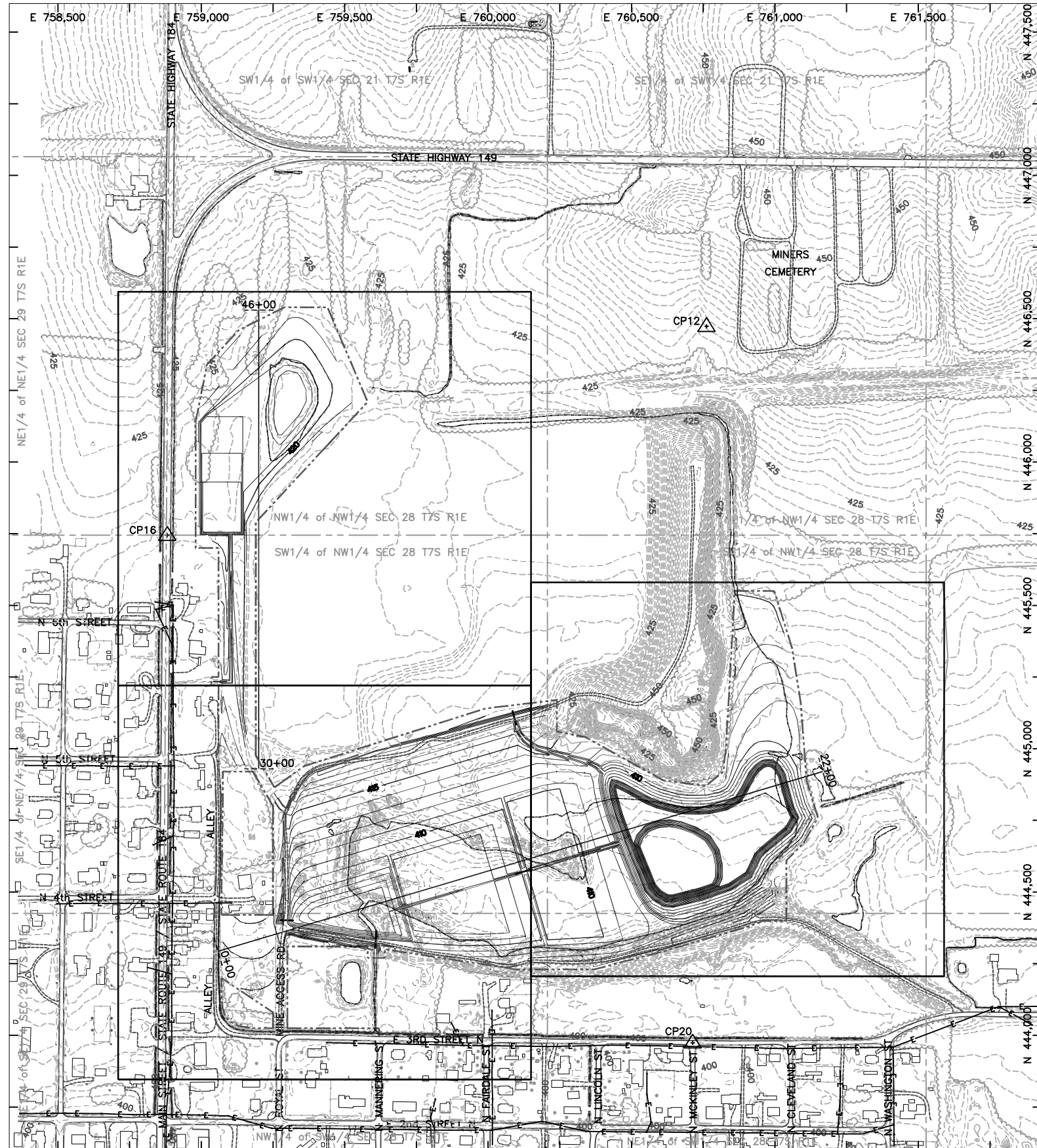
AGRICULTURAL GROUND LIMESTONE-Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

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.

MINE REFUSE TREATMENT (on projects with mine refuse)-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 soil as directed in the plans.



Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing						
ITEM (unit)	INITIAL APPLICATION MAIN SITE FALL 2014 AUG 20 - SEPT 30	SECOND APPLICATION MAIN SITE SPRING 2015 JAN 1 - MARCH 15	INITIAL APPLICATION NORTH SITE SPRING 2015 JAN 1 - APRIL 15	SECOND APPLICATION NORTH SITE FALL 2015 AUG 20 - SEPT 30	MOWING TO BE COMPLETED BY JUNE, 30, 2015 OR AS DIRECTED BY ENGINEER	TOTAL QUANTITY
SEEDING-Permanent (acres)	27.6		6.2			33.8
SEEDING-Wetland (acres)	4.5		3.8			8.3
AGRICULTURAL GROUND LIMESTONE (tons)	160.5		50.0			210.5
NITROGEN FERTILIZER NUTRIENT (pounds)	3,210	3,210	1,000	1,000		8,420
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	3,852		1,200			5,052
POTASSIUM FERTILIZER NUTRIENT (pounds)	9,630		3,000			12,630
MULCH, METHOD 2 PROCEDURE 1 (acres)	32.1		10.0			42.1
MOWING (acres)					33.8	33.8



Notes

1. THE NORTH SITE INCLUDES ALL AREAS SHOWN ON EXISTING CONDITIONS SHEET 6/PROPOSED CONDITIONS SHEET 9 AS WELL AS THE AREA BETWEEN SECTIONS 30+00 AND 33+00 ON EXISTING CONDITIONS SHEET 4/PROPOSED CONDITIONS SHEET 7. ALL REMAINING AREAS ARE THE MAIN SITE.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 12	446,473.75	760,761.87	433.10	MAGNETIC NAIL SET IN PAVEMENT
CP 16	445,744.66	758,881.17	420.46	MAGNETIC NAIL SET IN PAVEMENT
CP 20	443,973.75	760,713.60	401.87	MAGNETIC NAIL SET IN PAVEMENT

BASELINE INFORMATION		
STA	NORTHING	EASTING
0+00	444,293	759,058
22+00	444,920	761,167
30+00	444,930	759,200
46+00	446,530	759,200

	425	EXISTING CONTOUR
	40	PROPOSED CONTOUR
		PROPOSED CONSTRUCTION LIMITS
		BASELINE FOR CROSS SECTIONS
		TREE LINE
		SECTION LINE
		EXISTING FENCE
		OVERHEAD ELECTRIC LINE
		EDGE OF WATER
		EXISTING ROAD, UNPAVED
		CONTROL POINT
		EXISTING STRUCTURE

Legend

**Franklin County Coal Company
No 7, Phase III**

Sheet Layout
Existing / Proposed

6/9	5/8
4/7	

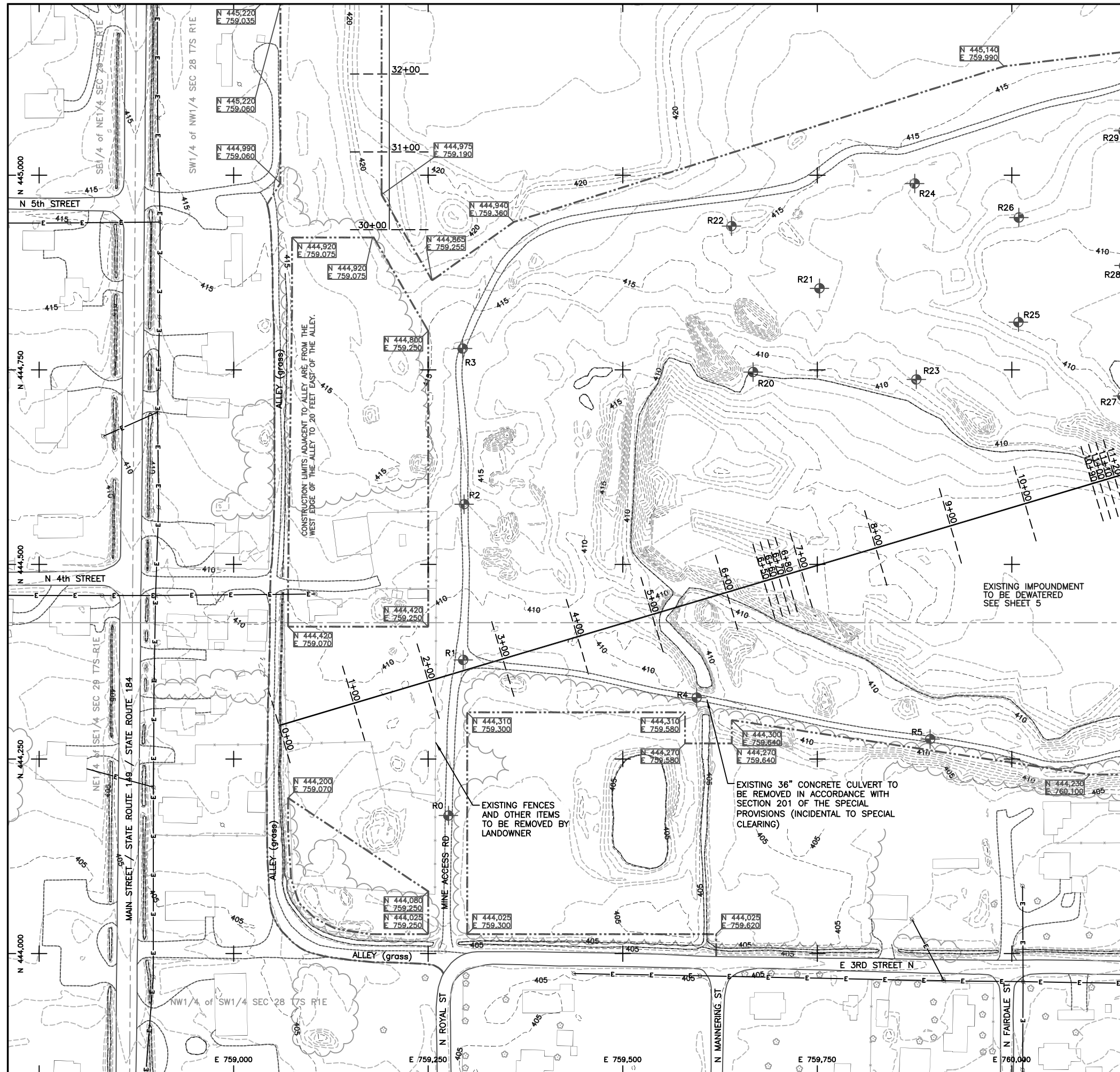
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SCALE IN FEET

State of Illinois
Department of Natural Resources

Franklin County C.C. No 7,
Phase III Reclamation Project
AML-GFrE-1312
Franklin County

Drawn By: JUL Date: 3/18/2014
Checked By: _____

Site Information
Sheet
3 of 22

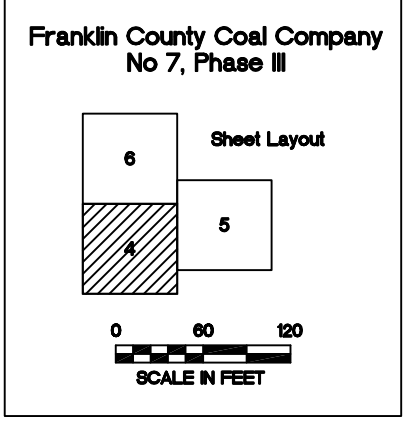


Notes

1. THE NORTH SITE INCLUDES THE AREA BETWEEN SECTIONS 30+00 AND 33+00 ON THIS EXISTING CONDITIONS SHEET 4/PROPOSED CONDITIONS SHEET 7, AS WELL AS ALL AREAS SHOWN ON EXISTING CONDITIONS SHEET 6/ PROPOSED CONDITIONS SHEET 9.
2. CLEARING OF THE NORTH SITE MAY NOT COMMENCE UNTIL 4 MONTHS AFTER ALL SEEDING ACTIVITIES ARE COMPLETED AT THE MAIN SITE.
3. A PUBLIC SEWER LINE RUNS ALONG THE ALLEY. A PRIVATE WATER LINE RUNS UNDER THE ALLEY TO THE BUILDINGS EAST OF THE ALLEY. ADDITIONAL UTILITIES MAY EXIST. THE CONTRACTOR SHALL PROTECT UTILITIES AND COOPERATE WITH OWNERS IN ACCORDANCE WITH ARTICLE 107.31 OF THE SPECIAL PROVISIONS. IF ANY SERVICE IS DISRUPTED, REPAIR WORK SHALL BE CONTINUOUS UNTIL THE SERVICE IS RESTORED.

	EXISTING CONTOUR
	PROPOSED CONSTRUCTION LIMITS
	BASELINE FOR CROSS SECTIONS
	TREE LINE
	SECTION LINE
	EXISTING FENCE
	OVERHEAD ELECTRIC LINE
	EDGE OF WATER
	EXISTING ROAD, UNPAVED
	BORING LOCATION
	CONTROL POINT
	EXISTING STRUCTURE

Legend



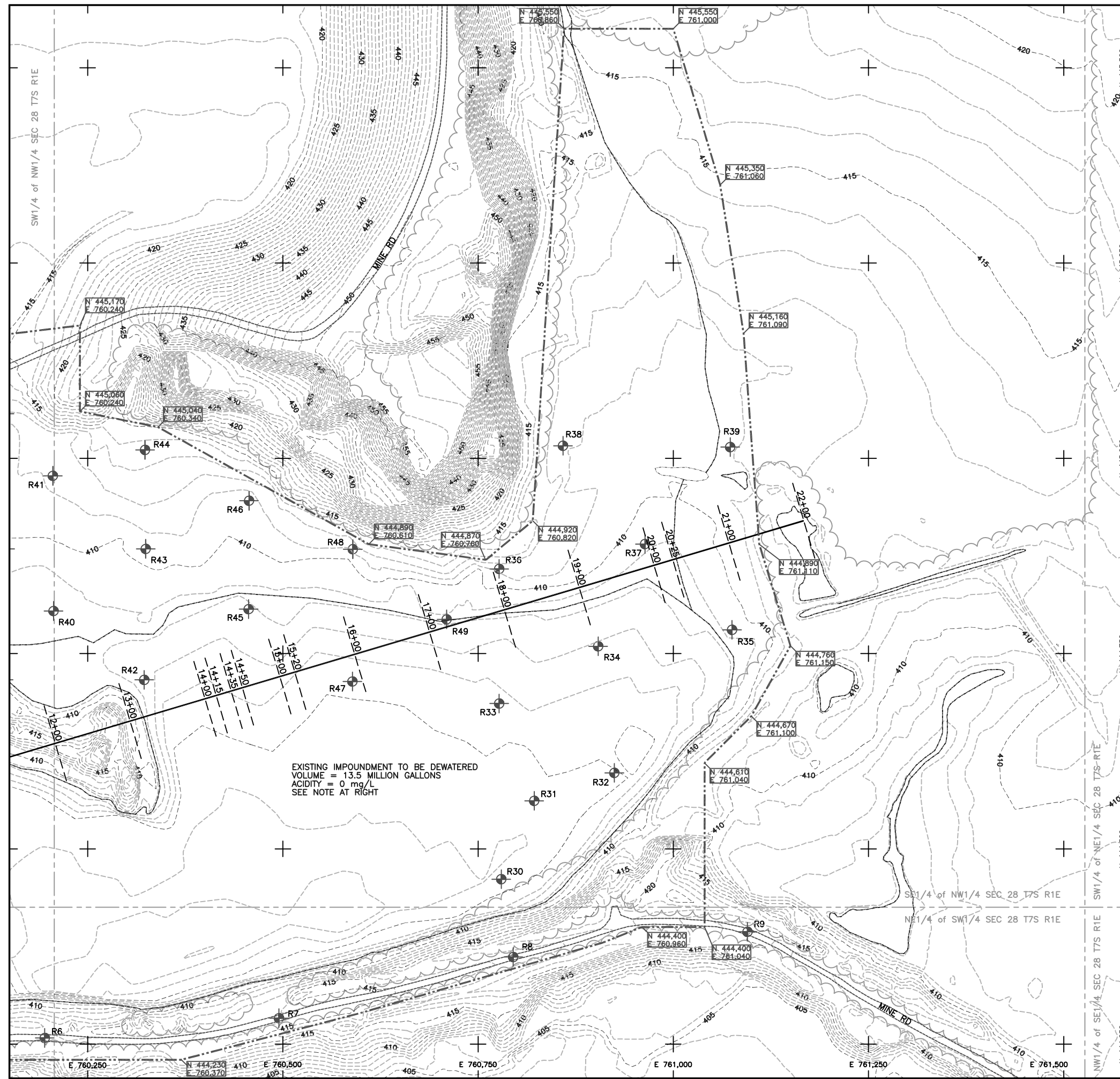
**State of Illinois
Department of Natural Resources**

**Franklin County C.C. No 7,
Phase III Reclamation Project
AML-GFrE-1312
Franklin County**

Drawn By: _____ Date: 3/18/2014
Checked By: _____

Existing Conditions - Main Site

**Sheet
4 of 22**



Notes

1. THE EXISTING IMPOUNDMENT AT THE MAIN SITE HAS FLUCTUATING WATER SURFACE ELEVATION AND VOLUME. THE GIVEN VOLUME IS WITH WATER SURFACE ELEVATION = 409.5, AS WAS SURVEYED ON FEBRUARY 1, 2010.
2. PER SECTION 614 OF THE SPECIAL PROVISIONS, THE DEWATERING IMPOUNDMENT OPERATIONS SHALL BE PERFORMED AT A CONTROLLED RATE WHICH WILL PREVENT DOWNSTREAM FLOODING, EROSION OF THE EXISTING STREAM CHANNELS, TRANSPORTATION OF SEDIMENT OUTSIDE THE CONSTRUCTION LIMITS AND DAMAGE TO AQUATIC LIFE AND ITS HABITAT. IN ADDITION, AT NO TIME SHALL THE PUMPING RATE FROM THE MAIN IMPOUNDMENT EXCEED 10 CUBIC FEET PER SECOND (4,500 GALLON PER MINUTE).
3. ALSO PER SECTION 614 OF THE SPECIAL PROVISIONS, THE DEWATERING IMPOUNDMENTS ITEM SHALL BE COMPLETED IN ORDER TO EXECUTE ALL EXCAVATION, FILL AND SEEDING ACTIVITIES PROPOSED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR MULTIPLE PUMPING OPERATIONS.
4. THE EXISTING AGRICULTURAL FIELD SHALL NOT BE DISTURBED.

	EXISTING CONTOUR
	PROPOSED CONSTRUCTION LIMITS
	BASELINE FOR CROSS SECTIONS
	TREE LINE
	SECTION LINE
	EXISTING FENCE
	OVERHEAD ELECTRIC LINE
	EDGE OF WATER
	EXISTING ROAD, UNPAVED
	BORING LOCATION
	CONTROL POINT
	EXISTING STRUCTURE

Legend

Franklin County Coal Company
No 7, Phase III

Sheet Layout

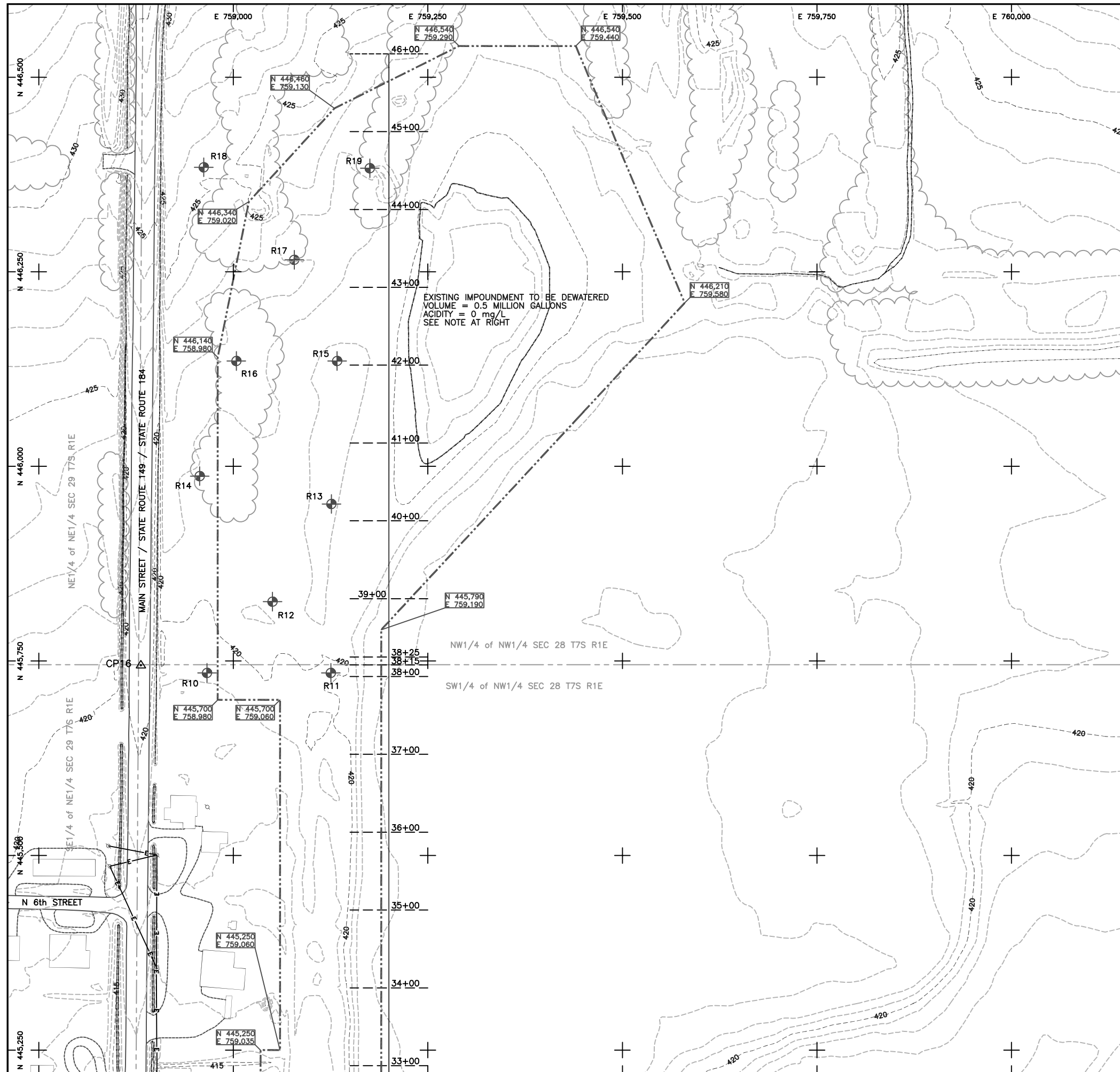
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SCALE IN FEET

State of Illinois
Department of Natural Resources

Franklin County C.C. No 7,
Phase III Reclamation Project
AML-GFrE-1312
Franklin County

Drawn By: JUL Date: 3/18/2014
Checked By:

Existing Conditions - Main Site
Sheet
5 of 22



Notes

1. THE NORTH SITE INCLUDES ALL AREAS SHOWN ON THIS EXISTING CONDITIONS SHEET 6/PROPOSED CONDITIONS SHEET 9 AS WELL AS THE AREA BETWEEN SECTIONS 30+00 AND 33+00 ON EXISTING CONDITIONS SHEET 4/PROPOSED CONDITIONS SHEET 7.
2. THE EXISTING IMPOUNDMENT AT THE NORTH SITE HAS FLUCTUATING WATER SURFACE ELEVATION AND VOLUME. THE GIVEN VOLUME IS WITH WATER SURFACE ELEVATION = 419.4, AS WAS SURVEYED ON FEBRUARY 1, 2010.
3. PER SECTION 614 OF THE SPECIAL PROVISIONS, THE DEWATERING IMPOUNDMENT OPERATIONS SHALL BE PERFORMED AT A CONTROLLED RATE WHICH WILL PREVENT DOWNSTREAM FLOODING, EROSION OF THE EXISTING STREAM CHANNELS, TRANSPORTATION OF SEDIMENT OUTSIDE THE CONSTRUCTION LIMITS AND DAMAGE TO AQUATIC LIFE AND ITS HABITAT. IN ADDITION, AT NO TIME SHALL THE PUMPING RATE FROM THE NORTH IMPOUNDMENT EXCEED 5 CUBIC FEET PER SECOND (2,250 GALLON PER MINUTE).
4. THE EXISTING AGRICULTURAL FIELD SHALL NOT BE DISTURBED.

	EXISTING CONTOUR
	PROPOSED CONSTRUCTION LIMITS
	BASELINE FOR CROSS SECTIONS
	TREE LINE
	SECTION LINE
	EXISTING FENCE
	OVERHEAD ELECTRIC LINE
	EDGE OF WATER
	EXISTING ROAD, UNPAVED
	BORING LOCATION
	CONTROL POINT
	EXISTING STRUCTURE

Legend

Franklin County Coal Company
No 7, Phase III

Sheet Layout

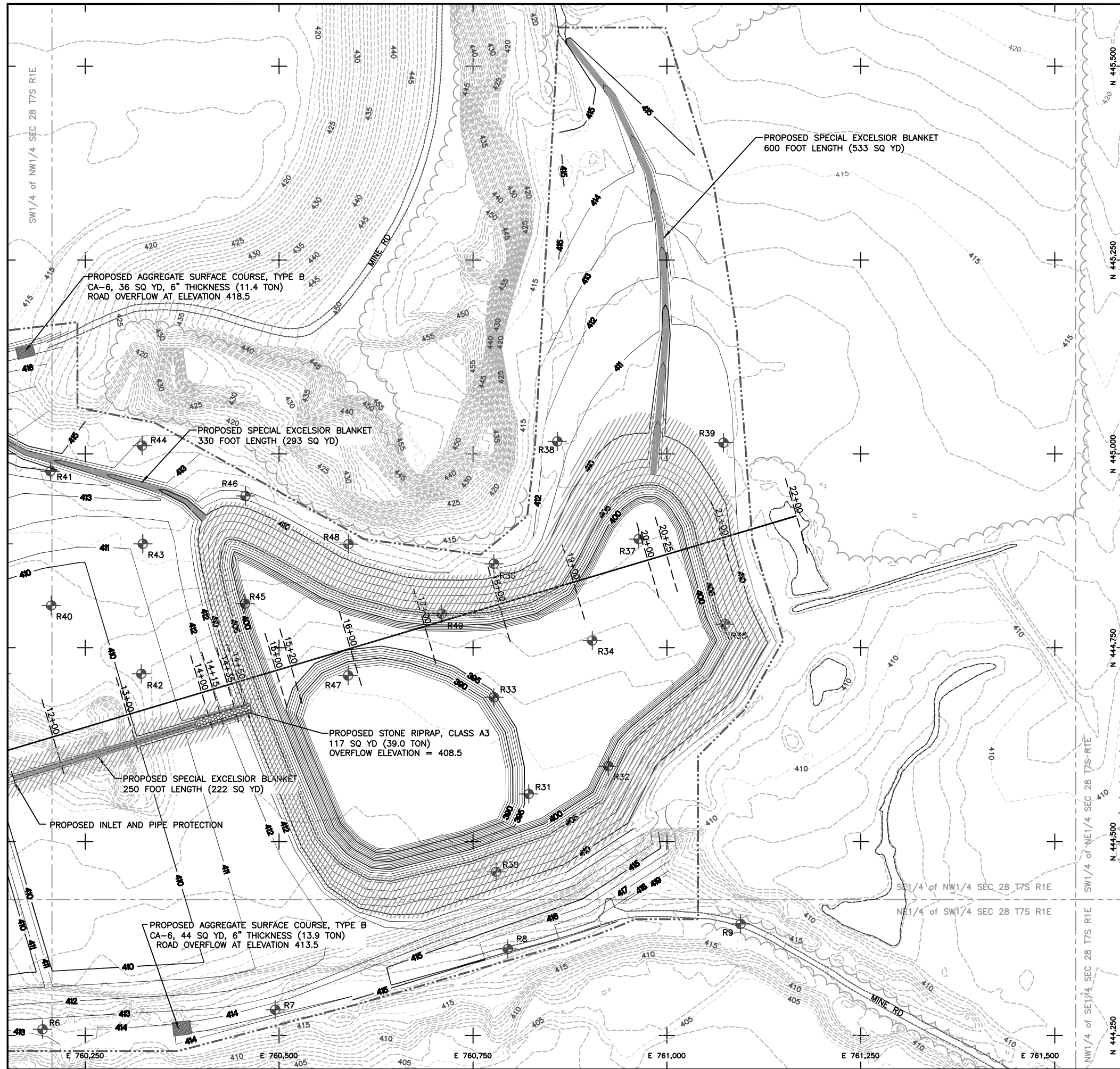
SCALE IN FEET

State of Illinois
Department of Natural Resources

Franklin County C.C. No 7,
Phase III Reclamation Project
AML-GFrE-1312
Franklin County

Drawn By: JUL Date: 3/18/2014
Checked By:

Existing Conditions - North Site
Sheet
6 of 22



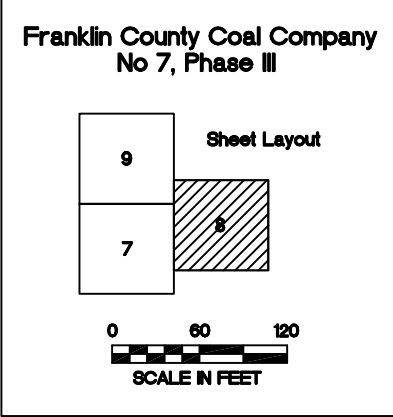
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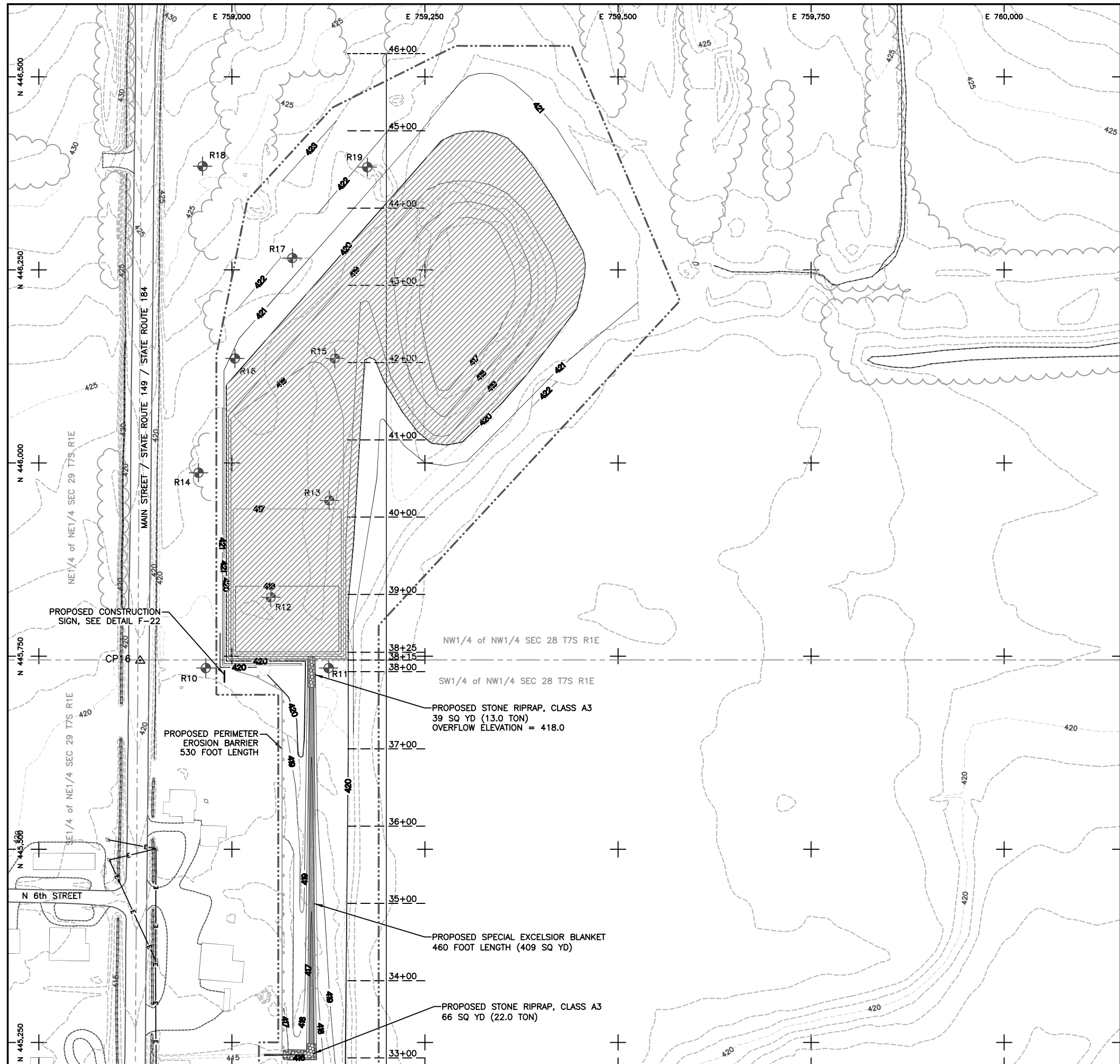
1. SEEDING - WETLAND TO BE COMPLETED ON THIS SHEET INCLUDES THE AREA BETWEEN ELEVATIONS 403.5 AND 410.5 AT THE UPSTREAM PROPOSED IMPOUNDMENT AS WELL AS THE PROPOSED CHANNEL AND THE AREA 20' ON BOTH SIDES (HATCHED AREAS).
SHEET 8
SEEDING - WETLAND = 2.8 ACRE

2. SEEDING - PERMANENT IS REQUIRED FOR ALL OTHER DISTURBED AREAS, EXCEPT SEEDING IS NOT REQUIRED FOR ELEVATIONS BELOW 403.5 WITHIN THE UPSTREAM PROPOSED IMPOUNDMENT.
MAIN SITE
SEEDING - PERMANENT = 27.6 ACRE

Legend

	425	EXISTING CONTOUR
	410	PROPOSED CONTOUR
		PROPOSED CONSTRUCTION LIMITS
		BASILINE FOR CROSS SECTIONS
		TREE LINE
		SECTION LINE
		EXISTING FENCE
		OVERHEAD ELECTRIC LINE
		EDGE OF WATER
		PROPOSED RIPRAP
		PROPOSED SEEDING - WETLAND
		PROPOSED SPECIAL EXCELSIOR BLANKET (8 FT WIDTH)
		PROPOSED PERIMETER EROSION BARRIER
		EXISTING ROAD, UNPAVED
		CONTROL POINT
		EXISTING STRUCTURE



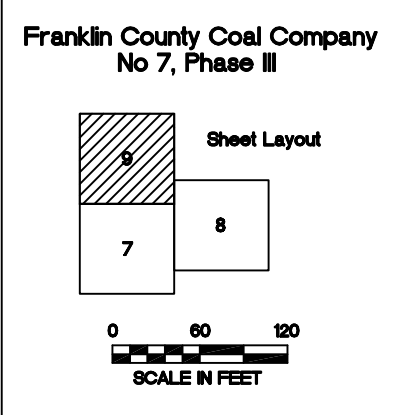


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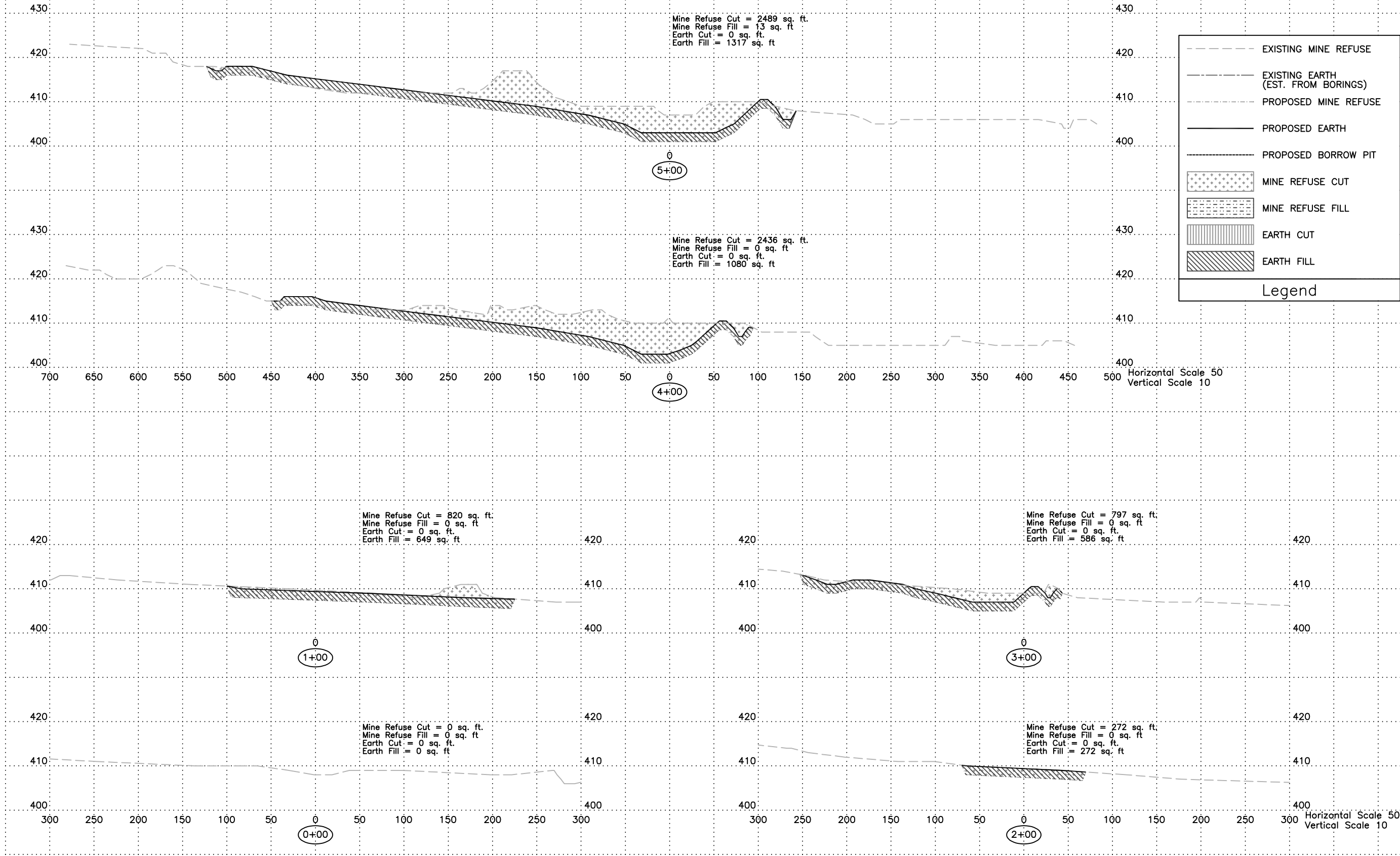
1. SEEDING - WETLAND TO BE COMPLETED ON THIS SHEET INCLUDES THE AREA BELOW ELEVATION 420.0 AT THE EXISTING AND PROPOSED IMPOUNDMENTS (HATCHED AREAS).
SHEET 9
SEEDING - WETLAND = 3.8 ACRE
2. SEEDING - PERMANENT IS REQUIRED FOR ALL OTHER DISTURBED AREAS.
NORTH SITE
SEEDING - PERMANENT = 6.2 ACRE

	425	EXISTING CONTOUR
	420	PROPOSED CONTOUR
		PROPOSED CONSTRUCTION LIMITS
		BASELINE FOR CROSS SECTIONS
		TREE LINE
		SECTION LINE
		EXISTING FENCE
		OVERHEAD ELECTRIC LINE
		EDGE OF WATER
		PROPOSED RIPRAP
		PROPOSED SEEDING - WETLAND
		PROPOSED SPECIAL EXCELSIOR BLANKET (8 FT WIDTH)
		PROPOSED PERIMETER EROSION BARRIER
		EXISTING ROAD, UNPAVED
		CONTROL POINT
		EXISTING STRUCTURE

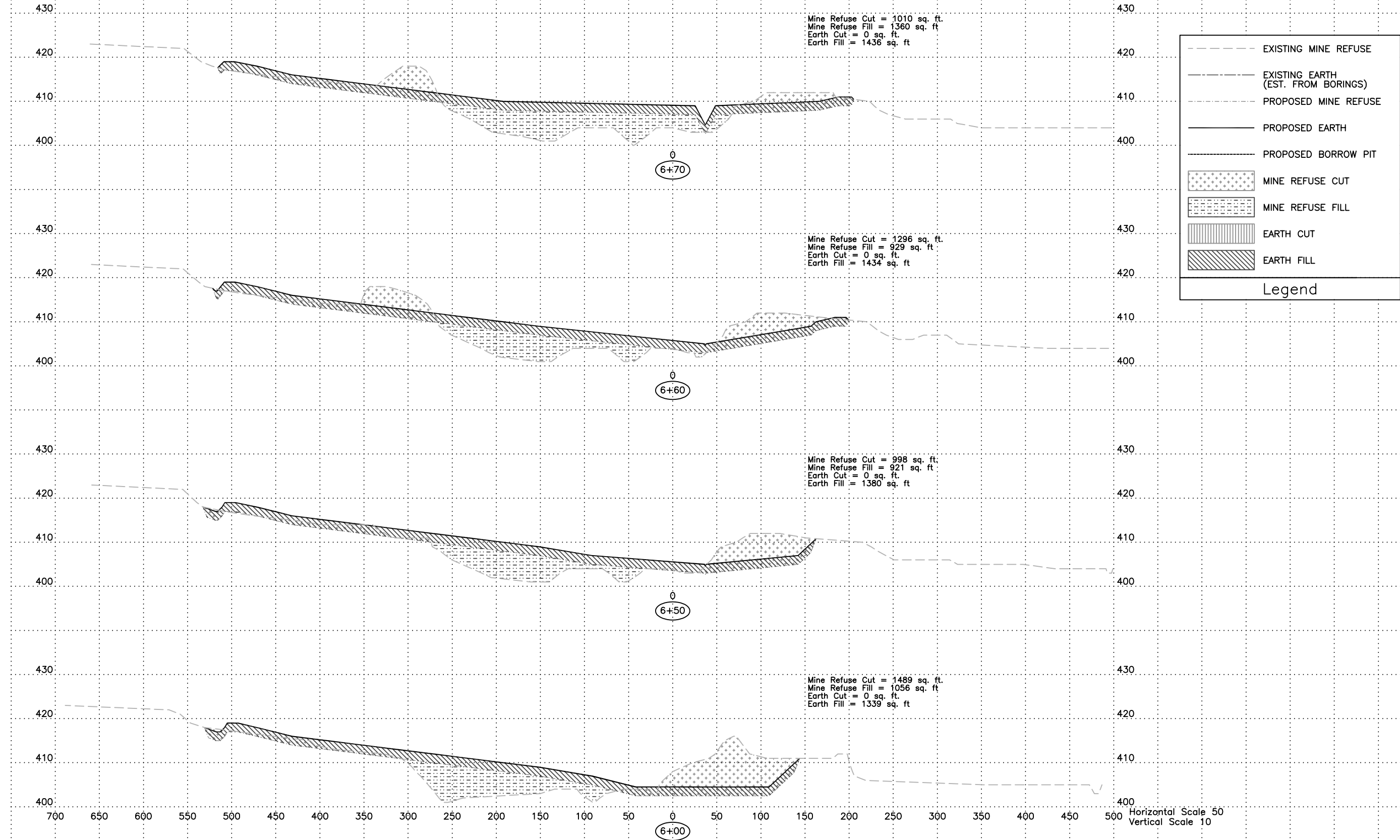
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FRANKLIN COUNTY COAL COMPANY NO 7,
 PHASE III
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 FRANKLIN COUNTY

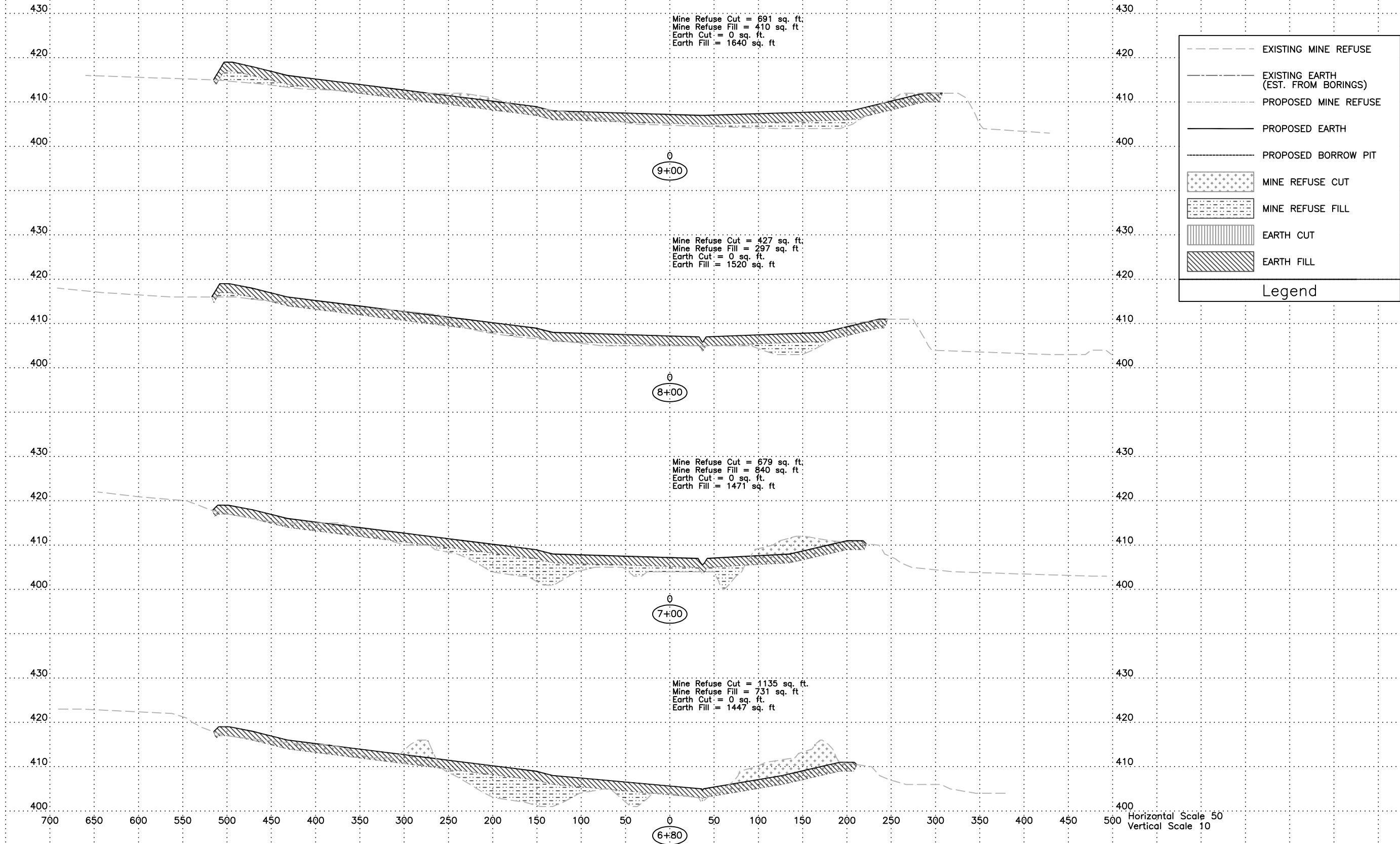


FRANKLIN COUNTY COAL COMPANY NO 7,
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 FRANKLIN COUNTY



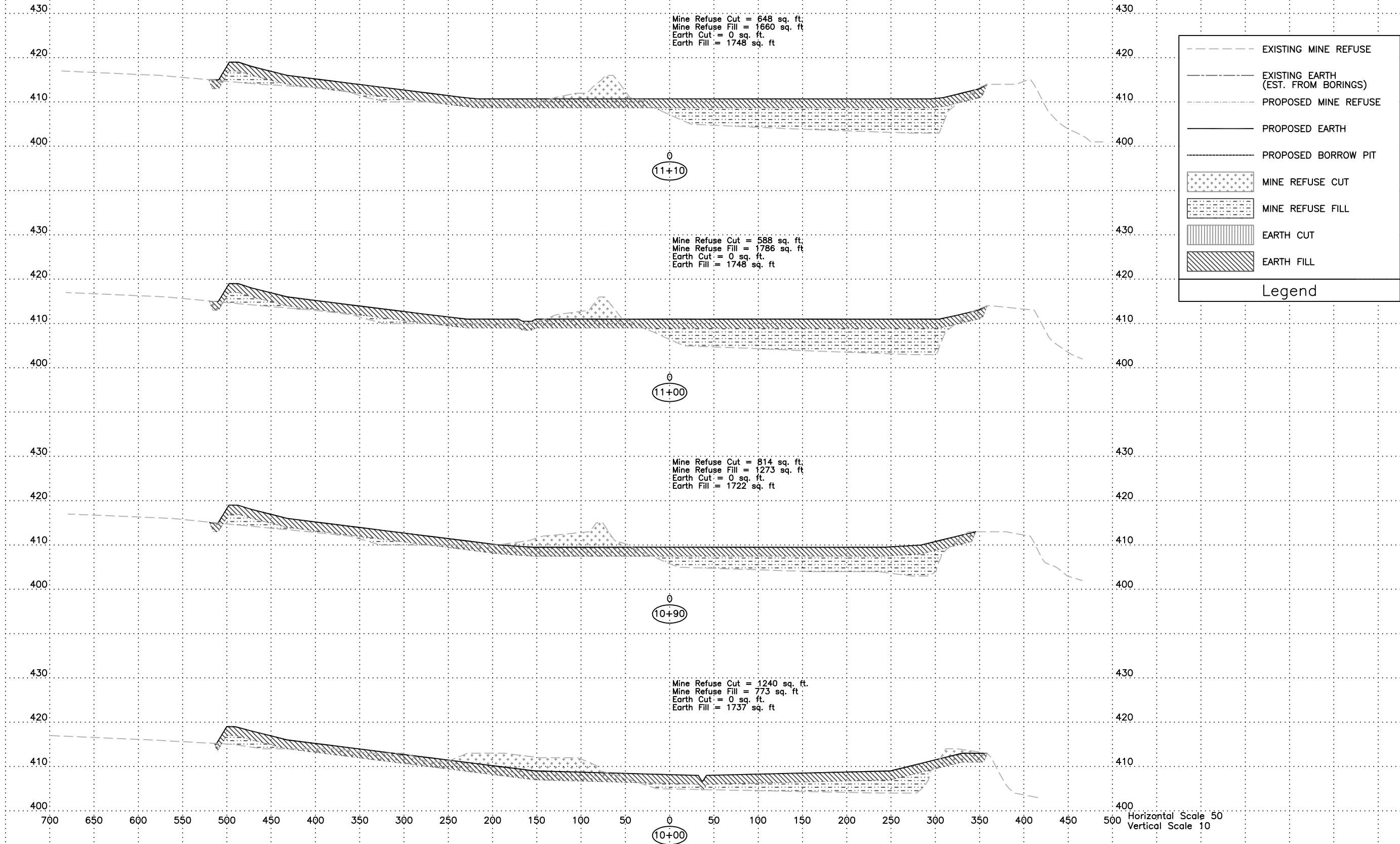
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FRANKLIN COUNTY COAL COMPANY NO 7,
 PHASE III
 AML-GFrE-1312
 FRANKLIN COUNTY

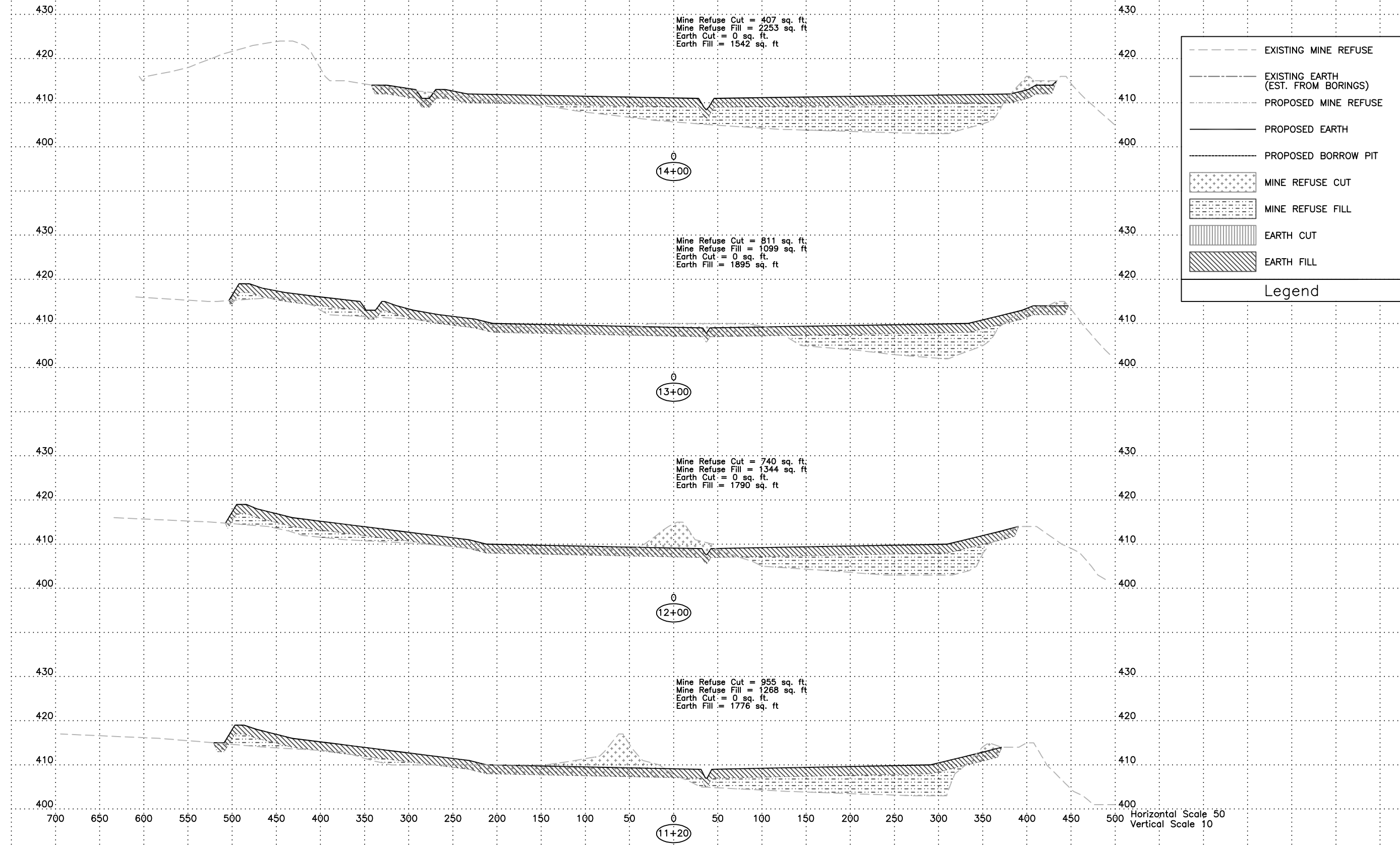


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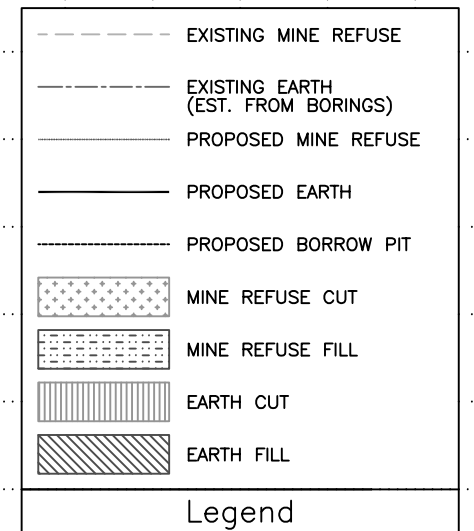
FRANKLIN COUNTY COAL COMPANY NO 7,
 PHASE III
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 FRANKLIN COUNTY



FRANKLIN COUNTY COAL COMPANY NO 7,
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 FRANKLIN COUNTY



Mine Refuse Cut = 489 sq. ft.
 Mine Refuse Fill = 1887 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 1480 sq. ft.

0
 (14+50)

Mine Refuse Cut = 390 sq. ft.
 Mine Refuse Fill = 2475 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 1503 sq. ft.

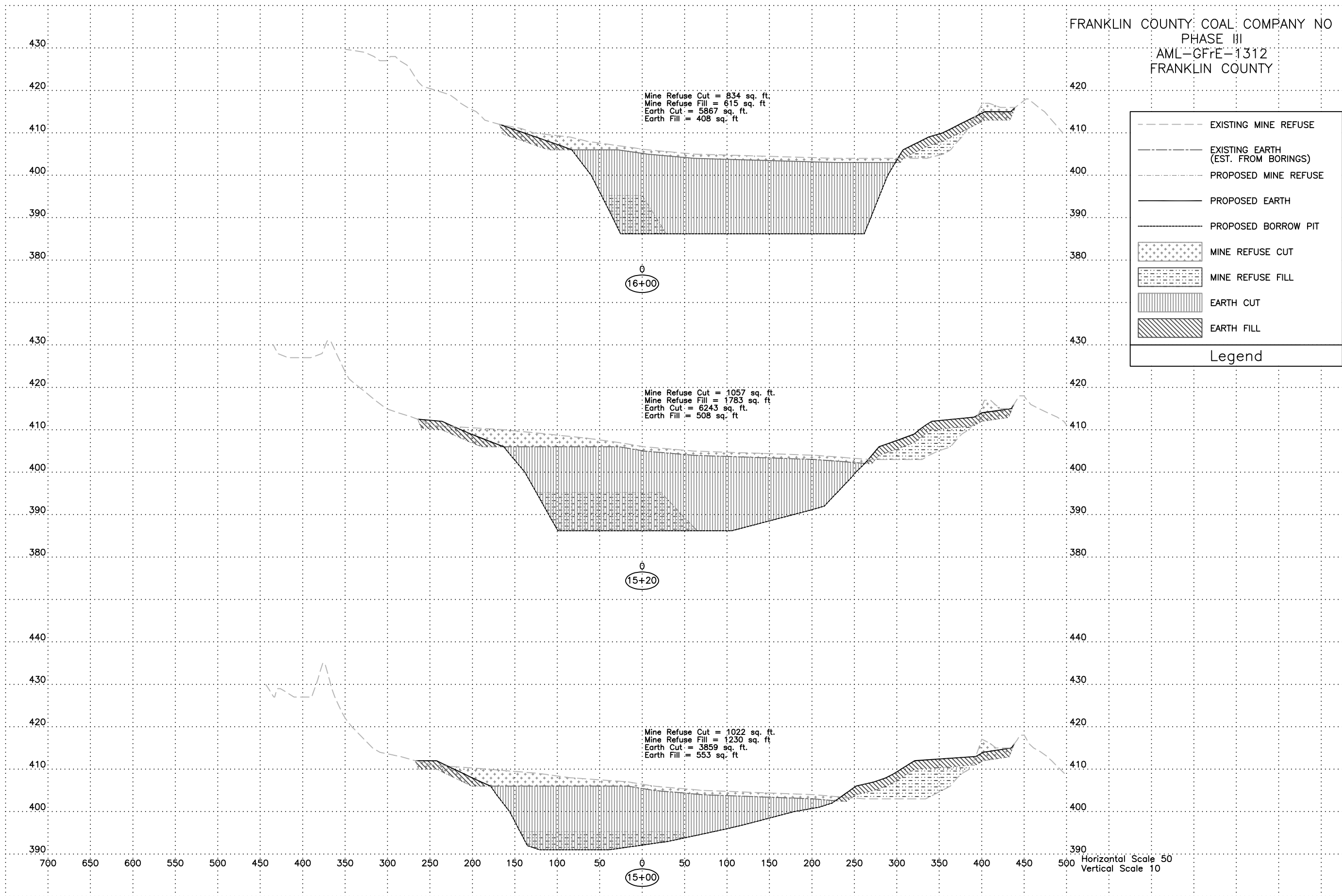
0
 (14+35)

Mine Refuse Cut = 411 sq. ft.
 Mine Refuse Fill = 2325 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 1547 sq. ft.

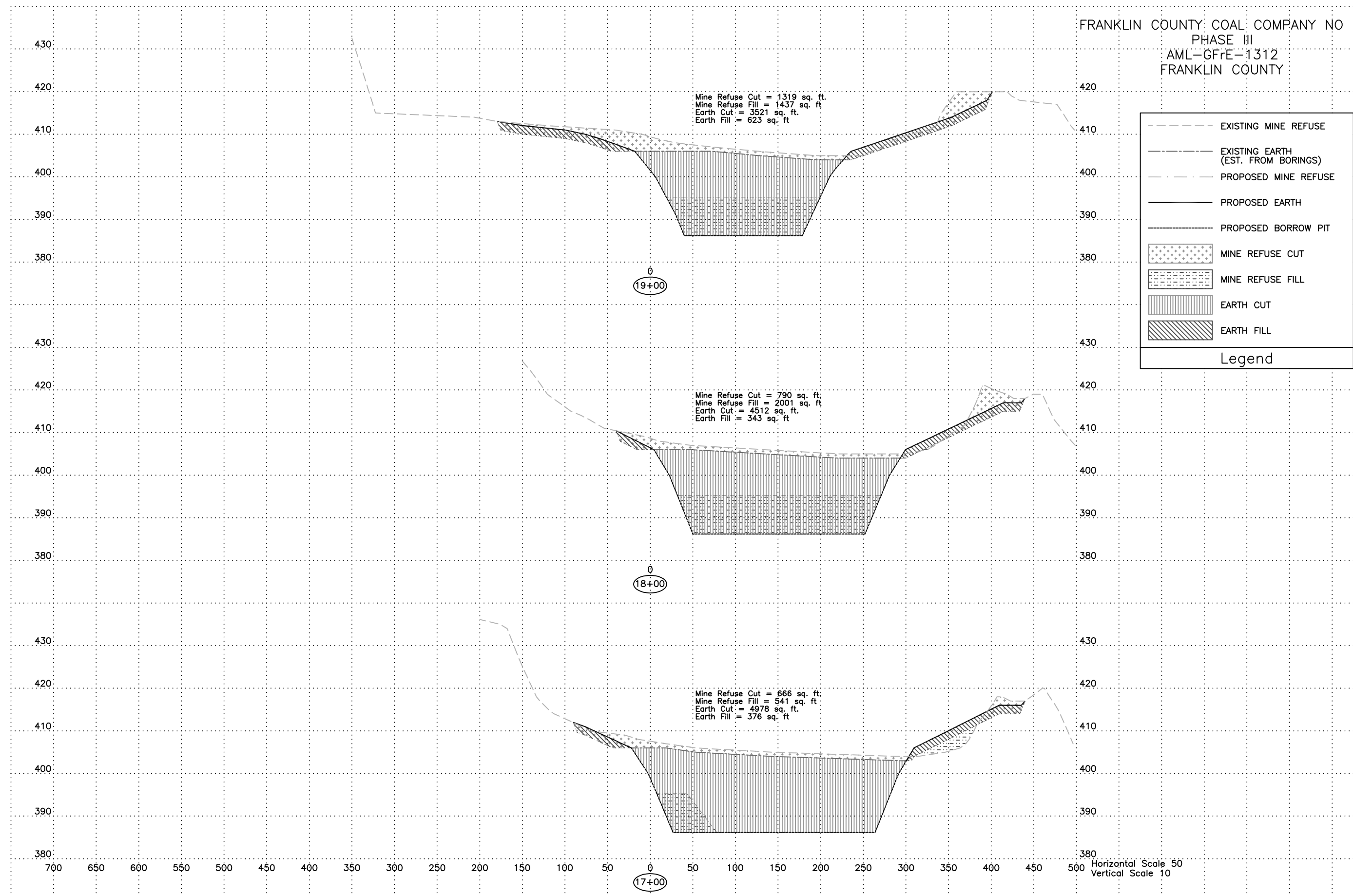
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 (14+15)

Horizontal Scale 50
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FRANKLIN COUNTY COAL COMPANY NO 7,
 PHASE III
 AML-GFrE-1312
 FRANKLIN COUNTY



FRANKLIN COUNTY COAL COMPANY NO 7,
 PHASE III
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 FRANKLIN COUNTY

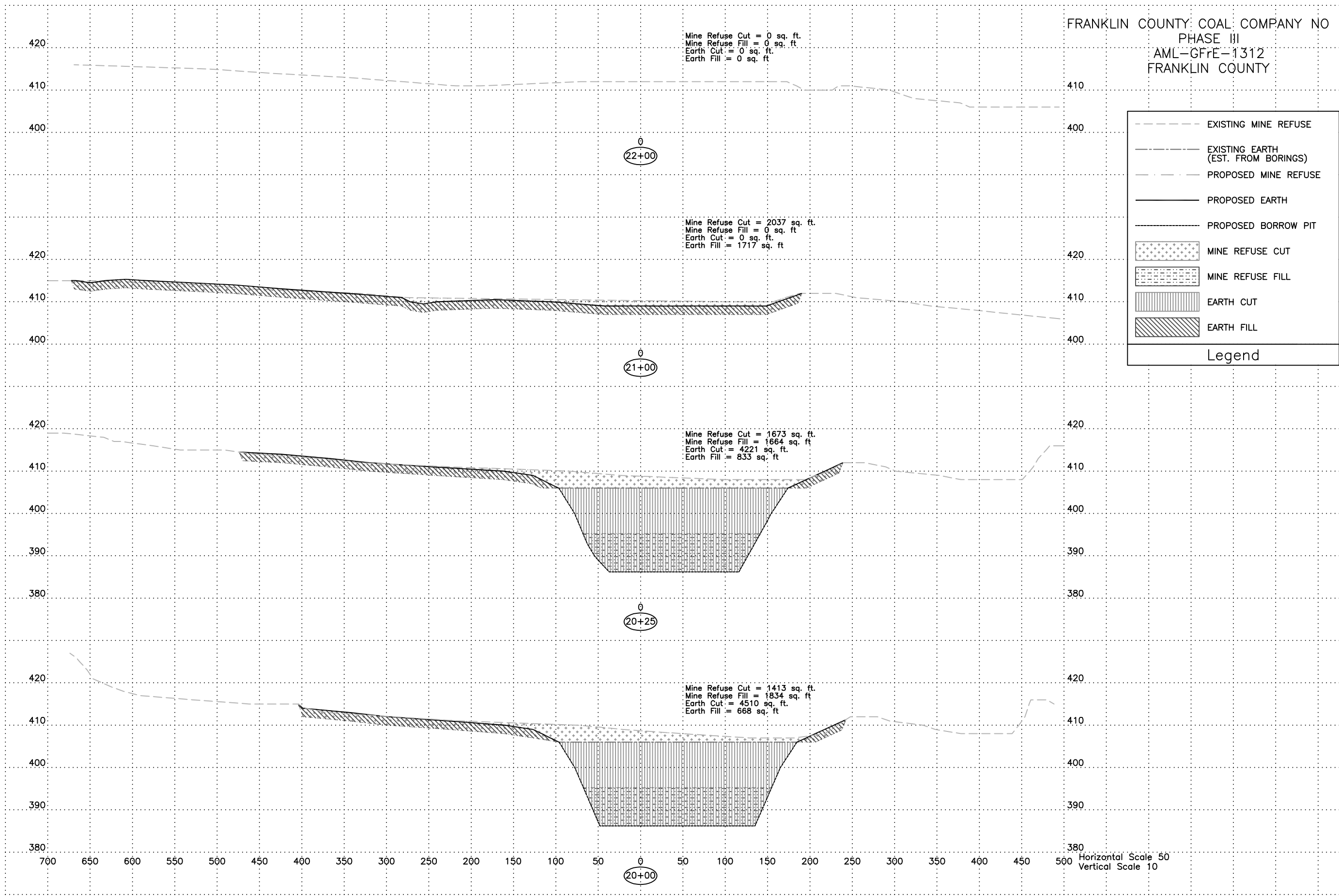


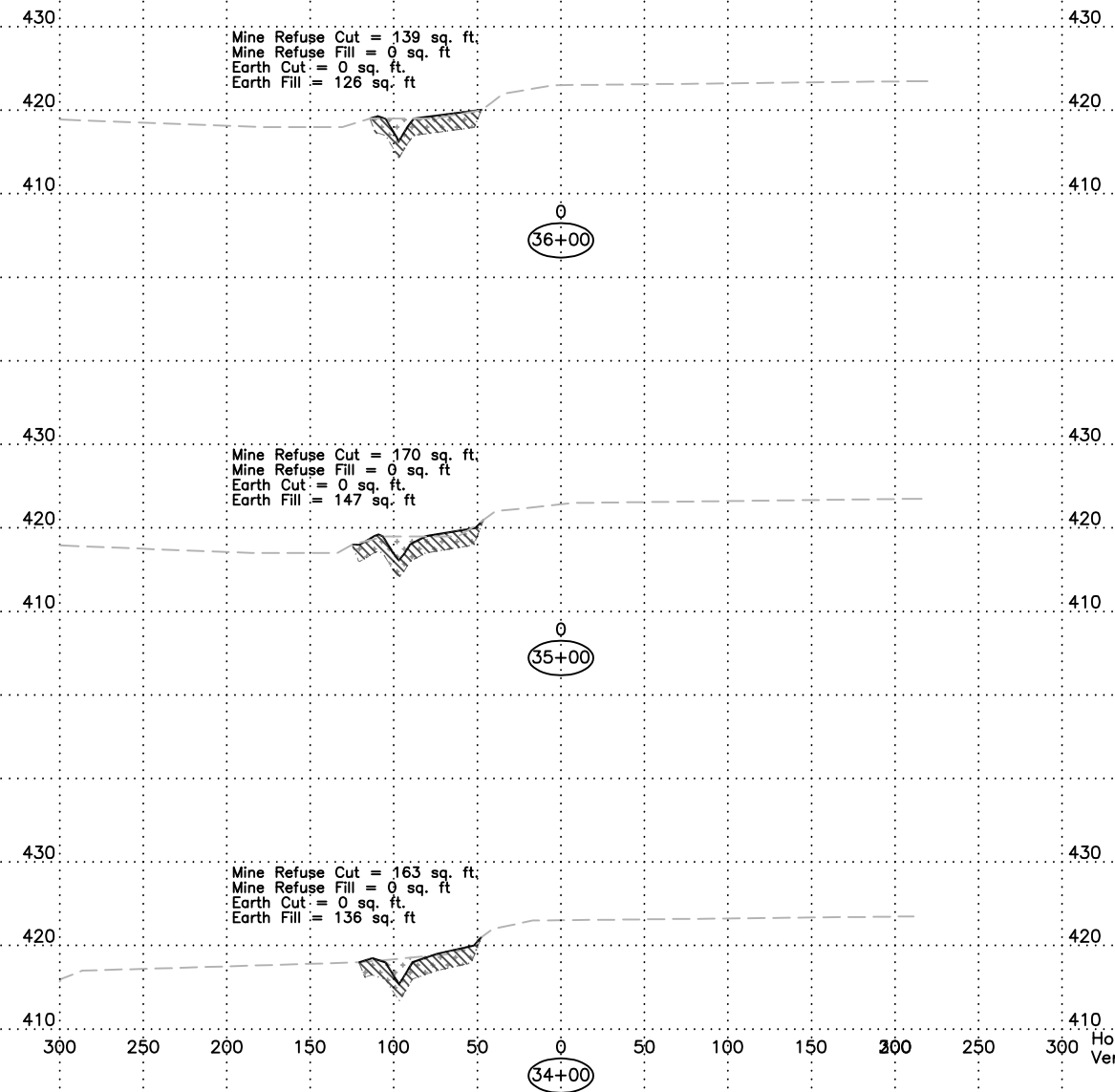
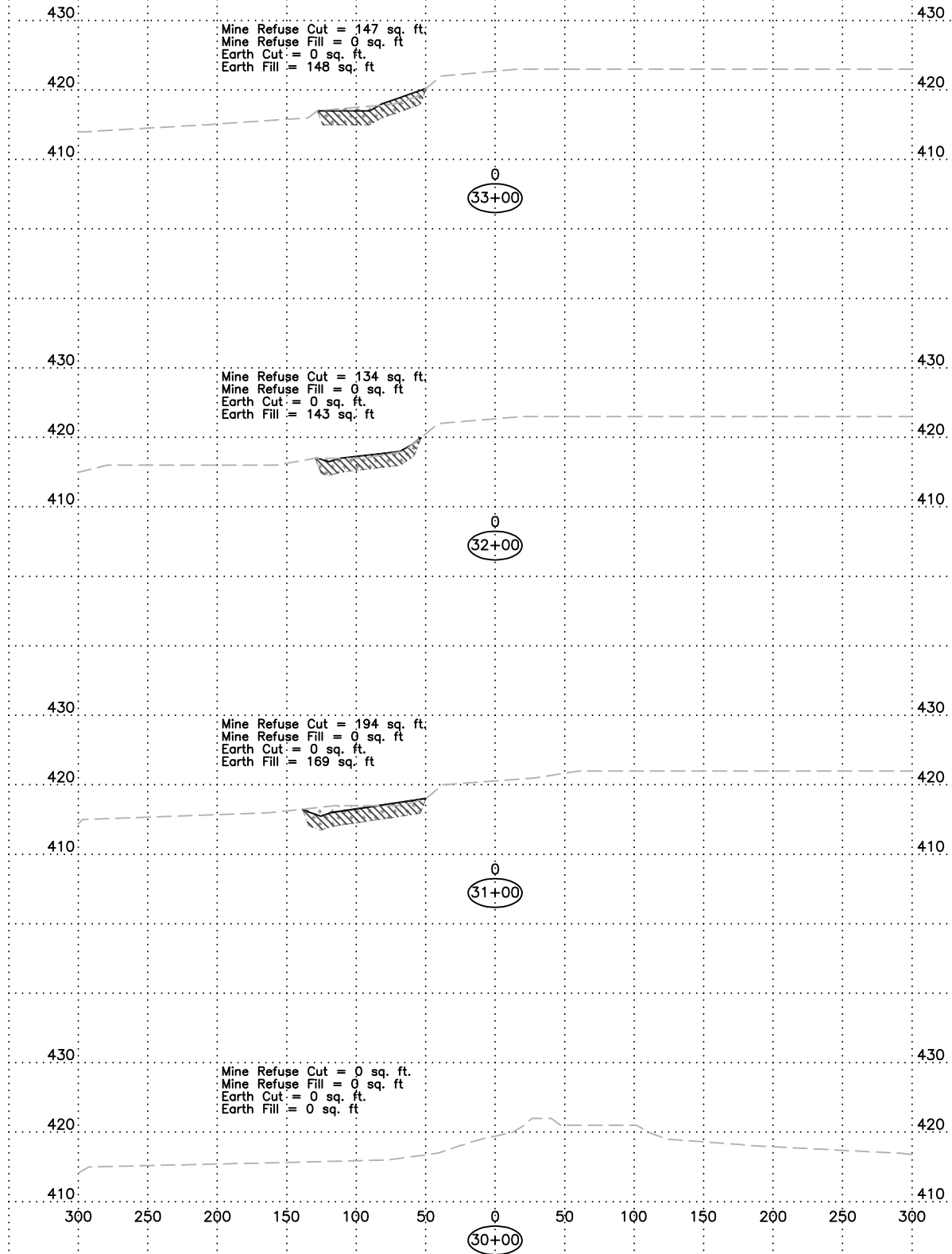
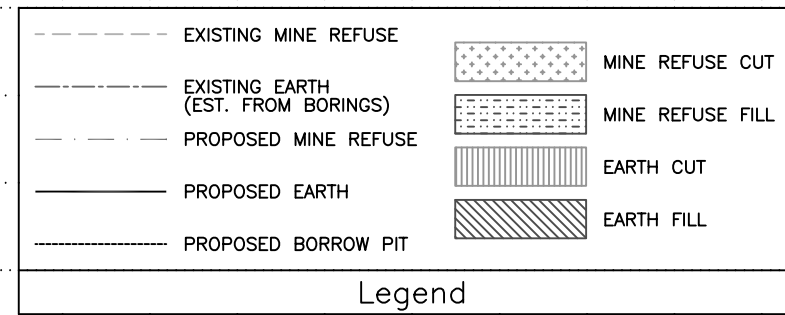
Legend

- EXISTING MINE REFUSE
- ... EXISTING EARTH (EST. FROM BORINGS)
- PROPOSED MINE REFUSE
- PROPOSED EARTH
- PROPOSED BORROW PIT
- [Stippled] MINE REFUSE CUT
- [Cross-hatched] MINE REFUSE FILL
- [Vertical lines] EARTH CUT
- [Diagonal lines] EARTH FILL

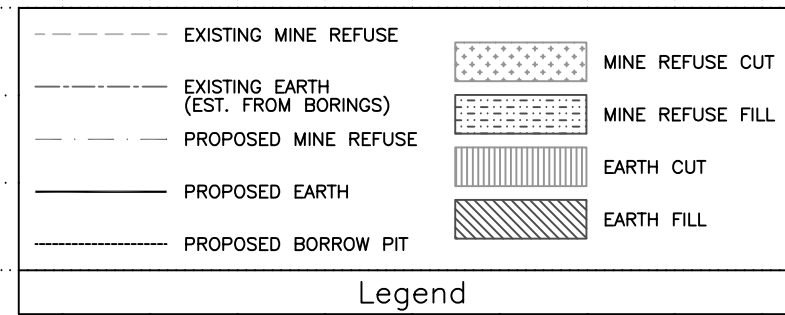
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FRANKLIN COUNTY COAL COMPANY NO 7,
 PHASE III
 AML-GFrE-1312
 FRANKLIN COUNTY

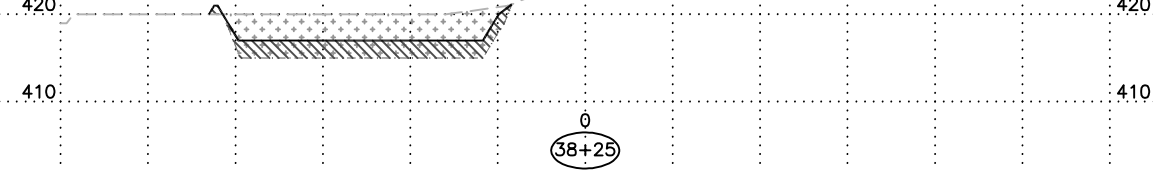




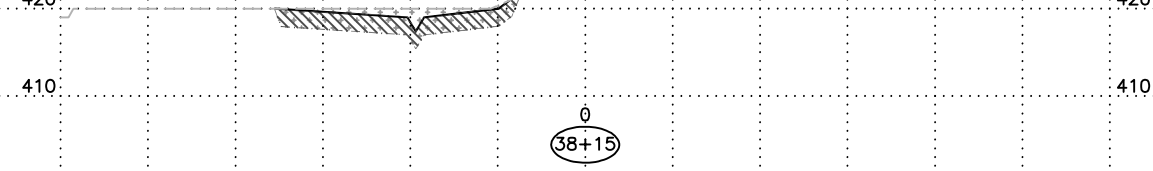
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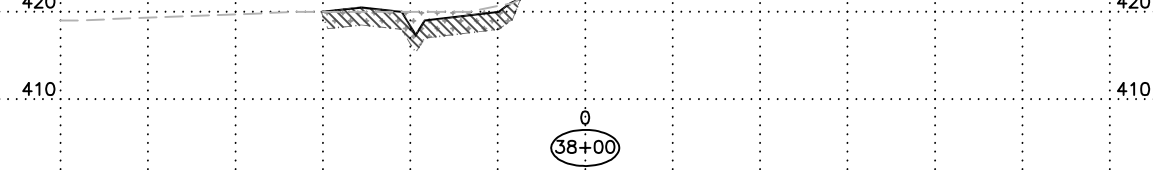
Mine Refuse Cut = 775 sq. ft;
 Mine Refuse Fill = 0 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 318 sq. ft.



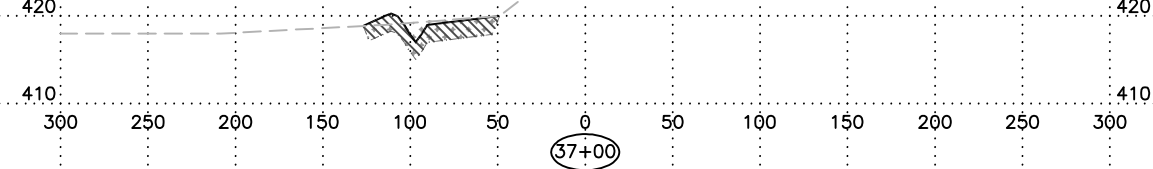
Mine Refuse Cut = 351 sq. ft;
 Mine Refuse Fill = 0 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 272 sq. ft.



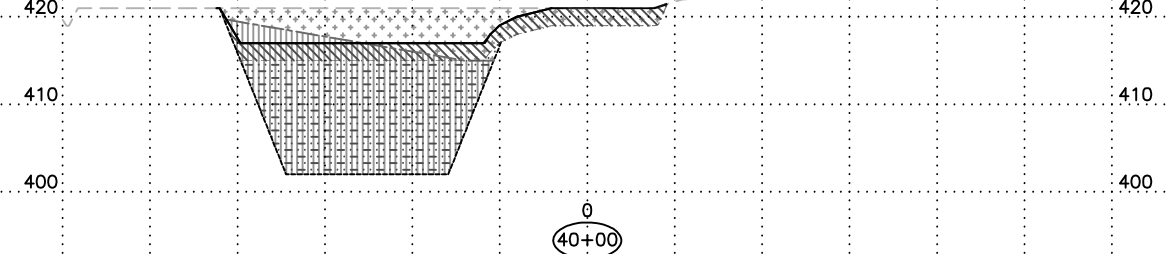
Mine Refuse Cut = 257 sq. ft;
 Mine Refuse Fill = 0 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 220 sq. ft.



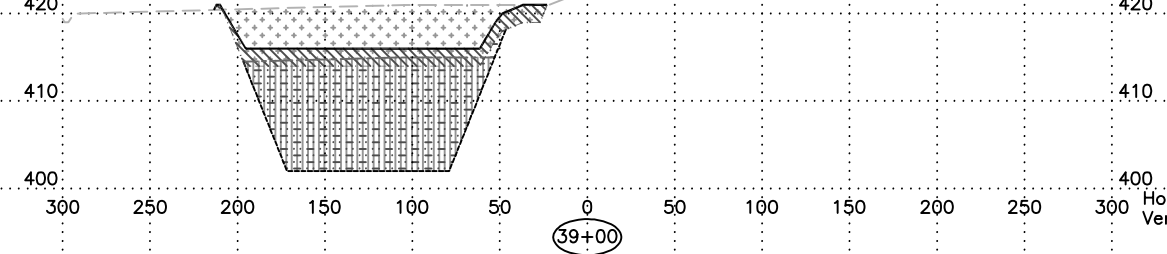
Mine Refuse Cut = 157 sq. ft;
 Mine Refuse Fill = 0 sq. ft.
 Earth Cut = 0 sq. ft.
 Earth Fill = 148 sq. ft.



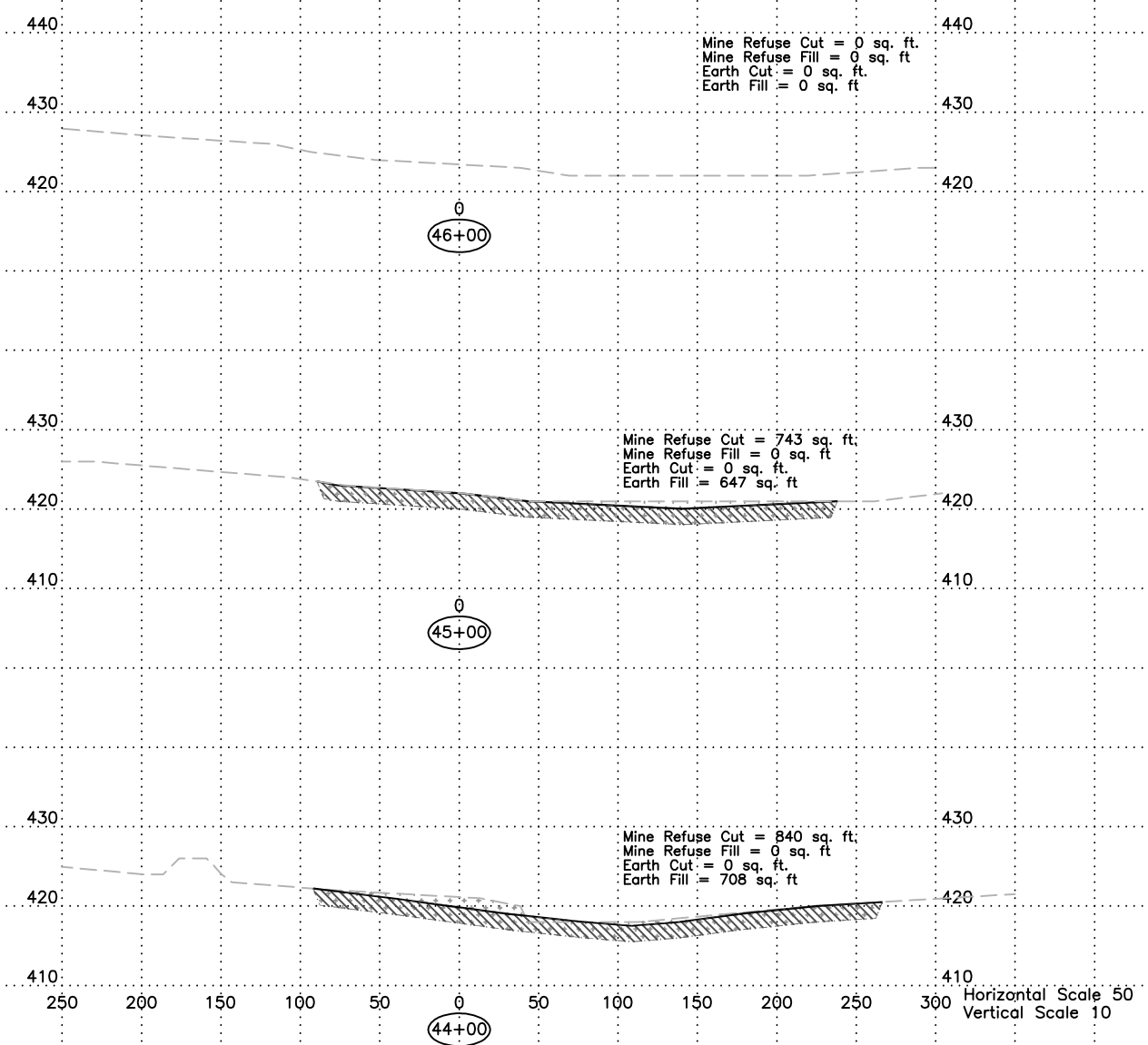
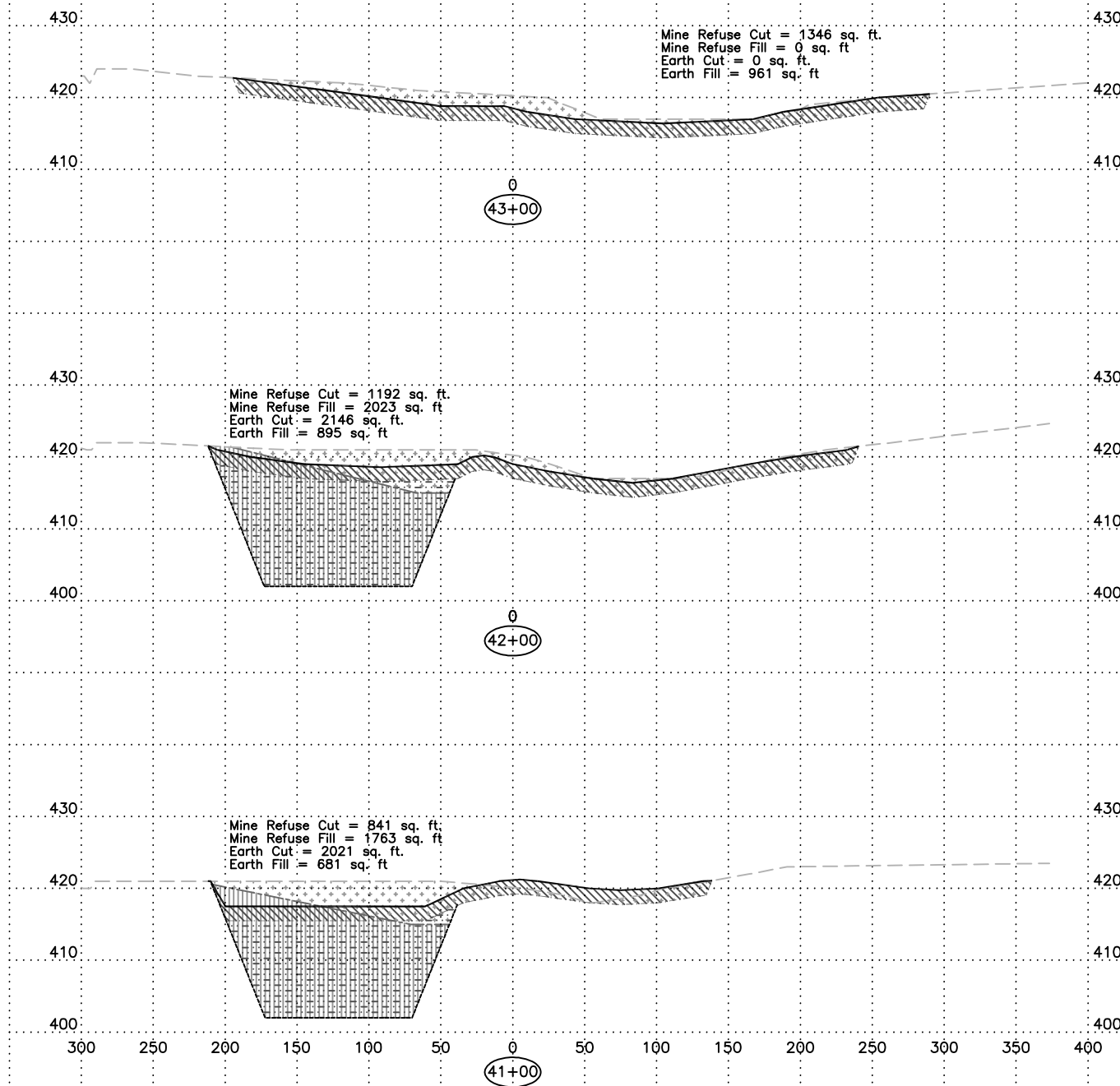
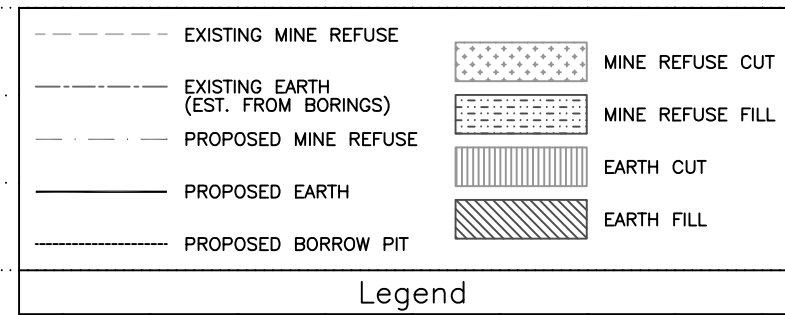
Mine Refuse Cut = 827 sq. ft;
 Mine Refuse Fill = 1551 sq. ft.
 Earth Cut = 1848 sq. ft.
 Earth Fill = 494 sq. ft.



Mine Refuse Cut = 974 sq. ft;
 Mine Refuse Fill = 1419 sq. ft.
 Earth Cut = 1521 sq. ft.
 Earth Fill = 357 sq. ft.



Horizontal Scale 50
 Vertical Scale 10



Horizontal Scale 50
 Vertical Scale 10

