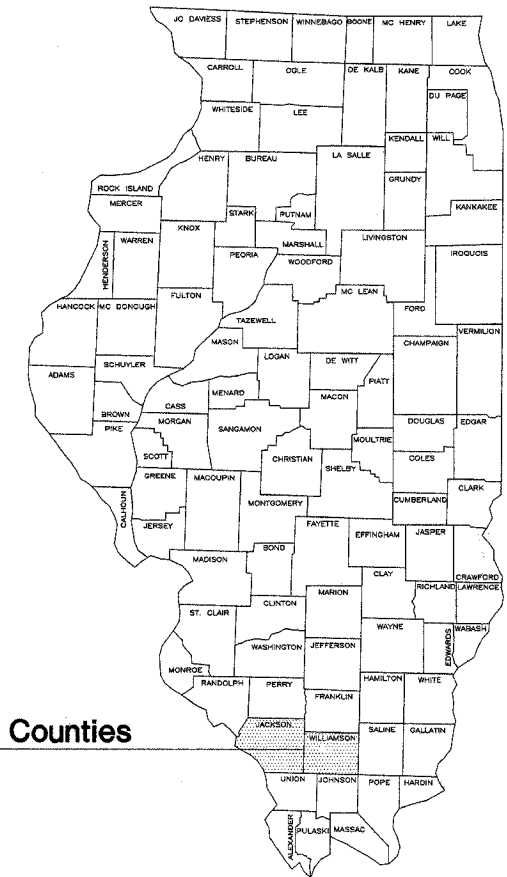


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands

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

No. 6 Mine Group
 Reclamation Project
 AML-GWmE-0510
 Williamson County
 2LR



Williamson & Jackson Counties

SCHEDULE OF DRAWINGS:

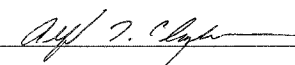
1. Cover Sheet
2. Summary of Quantities / General Notes / Location Map
- 3-4. Existing & Proposed Conditions - C,W&F "B" Mine
- 5-7. Cross Sections - C, W & F "B" Mine
8. Existing & Proposed Conditions - Carbondale Coal Co.
- 9-16. Cross Sections - Carbondale Coal Co.
17. Existing & Proposed Conditions - No. 6 Mine
18. Details

Prepared By IDNR Staff

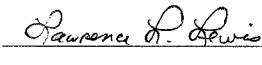
Approved for Bidding:


 Joe 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



Summary of Quantities								
#	Item	Section	Quantities				Unit	Rates/Remarks
			C,W&F	C'dale	No. 6	TOTAL		
1	Special Clearing	201	0.4	0.5	0.1	1.0	L.S.	
2	Earth Excavation	202	2065	515	117	2697	C.Y.	
3	Mine Refuse Excavation	202	0	1362	0	1362	C.Y.	COMPACTION REQ'D IN CONFORMANCE WITH SECTION 205 OF THE SPECIAL PROVISIONS.
4	Furnished Excavation	204	0	5212	2719	7931	C.Y.	
5	Special Excavation	214	2408	439	2447	5294	C.Y.	
6	Class SI Concrete Plug	216	0	18	80	98	C.Y.	
7	Riprap Fill, C-4	216	1874.0	55.0	100.0	2029.0	TON	
8	CA Fill, CA-1	216	238.0	0	0	238.0	TON	
9	Filter Fabric for use with Riprap	216	534	0	0	534	S.Y.	
10	Seeding	250	4.4	4.0	0.6	9.0	ACRE	
11	Nitrogen Fertilizer Nutrient	250	880	400	60	1340	POUND	
12	Phosphorus Fertilizer Nutrient	250	488	444	67	999	POUND	
13	Potassium Fertilizer Nutrient	250	440	1460	219	2119	POUND	
14	Agricultural Ground Limestone	250	50.0	100.0	15.0	165.0	TON	
15	Mulch, Method 2, Procedure 1	IDOT 251	4.4	4.0	0.6	9.0	ACRE	2 TON / ACRE
16	Mine Refuse Treatment	255	0	30.4	0	30.4	TON	76 TON / ACRE
17	Mowing	258	4.4	0	0	4.4	ACRE	
18	Special Excelsior Blanket	286	0	1186	0	1186	S.Y.	
19	Aggregate Surface Course, Type B	IDOT 402	78.0	119.0	130.0	327.0	TON	
20	Removal of Existing Structures	501	0.9	0.1	0	1.0	L.S.	
21	Fine Aggregate Fill Material	501	359.0	0	0	359.0	TON	
22	Entrance Gate	665	1	0	0	1	EACH	
23	Mine Opening Marker	666	1	1	0	2	EACH	
24	Mobilization (Max. 6% of Bid)	671	0.1	0.8	0.1	1.0	L.S.	

Schedule of Seeding, Fertilizer Nutrients and Mulch					
ITEM (unit)	FALL 2007 AUG. 20- SEPT. 30	SPRING 2008 JAN. 1-MAR. 15		SECOND APPLICATION AUG. 20-SEPT. 25 2008	TOTAL QUANTITY
	C'dale Coal	C,W&F-B	No. 6	C,W&F-B	
SEEDING (acres)	4.0	4.4	0.6		9.0
NITROGEN FERTILIZER NUTRIENT (pounds)	400 (100 LB/ACRE)	440 (100 LB/ACRE)	60 (100 LB/ACRE)	440 (100 LB/ACRE)	1340
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	444 (111 LB/ACRE)	448 (111 LB/ACRE)	67 (111 LB/ACRE)		999
POTASSIUM FERTILIZER NUTRIENT (pounds)	1460 (365 LB/ACRE)	440 (100 LB/ACRE)	219 (365 LB/ACRE)		2119
AGRICULTURAL GROUND LIMESTONE (tons)	100 (25 TON/ACRE)	50 (11.4 TON/ACRE)	15 (15 TON/ACRE)		165
MULCH, METHOD 2 PROCEDURE 1 (acres)	4.0	4.4	0.6		9.0
MOWING (acres)	MOWING TO BE COMPLETED PRIOR TO JUNE 30, 2008 WITH ENGINEER APPROVAL AT THE C,W&F -B SITE				4.4

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 removed shall be disposed of onsite per Section 201 of the Special Provisions.

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.

PROGRESS SCHEDULE — The contractor shall plan to complete work on the Carbondale Coal Company site so it can be seeded in fall of 2007. Work on the remaining two sites can be completed and seeded in the Spring of 2008.

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.

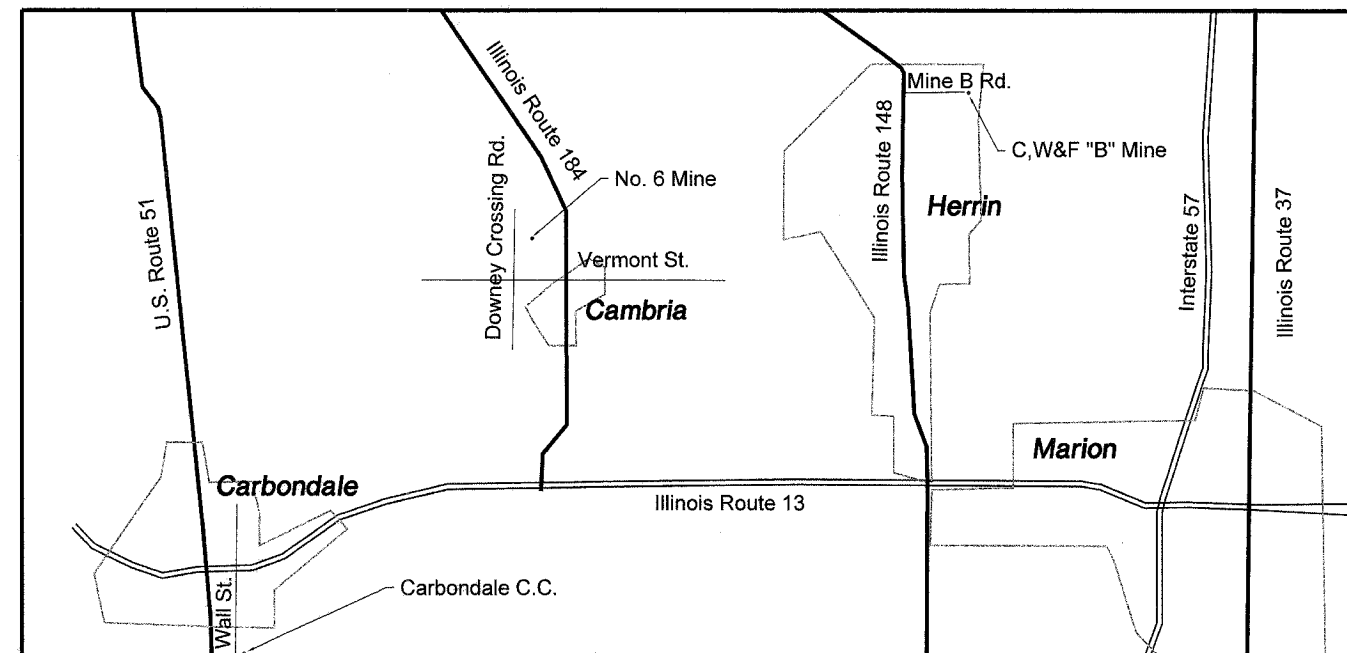
Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction. Access roads to the site as designated on the plans are to be maintained to the satisfaction of the engineer.

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.

The locations from which Furnished Excavation comes must meet the review requirements of Article 107.22 and Section 204 of the Special Provisions prior to disturbance.

LOCATION MAP



State of Illinois
Department of Natural Resources

No. 6 Mine Group
Reclamation Project
AML-GWmE-0510
Williamson County

Date: 06/20/07
M.I.
Drawn By: _____
Checked By: _____

Summary of Quantities /
General Notes

Sheet 2 of 18

BASELINE STA. 0+00
E 3140717.08
N 1753237.74

SHIEVE STRUCTURE TO BE
REMOVED; SEE DETAIL I-4
CASE IV

RUBBLE PILE TO BE INCORPORATED
INTO RUBBLE MOUND

PIER STRUCTURES TO BE REMOVED
SEE DETAIL I-4

PROPOSED MINE MARKER
SEE DETAIL THIS SHEET

SHIEVE STRUCTURE
TO BE REMOVED;
SEE DETAIL I-4 CASE IV

SCALE PIT STRUCTURE TO BE
FILLED AND COVERED
SEE DETAIL H-4

RUBBLE AND PIER STRUCTURES TO BE REMOVED
SEE DETAIL I-4

BUILDING, HOIST FOUNDATION, AND
HOIST MOTOR STRUCTURES TO BE DEMOLISHED
SEE DETAIL G-4

RUBBLE AND PIER STRUCTURES TO BE REMOVED
SEE DETAIL I-4

PROPOSED RUBBLE FILL MOUND
SEE DETAIL G-4

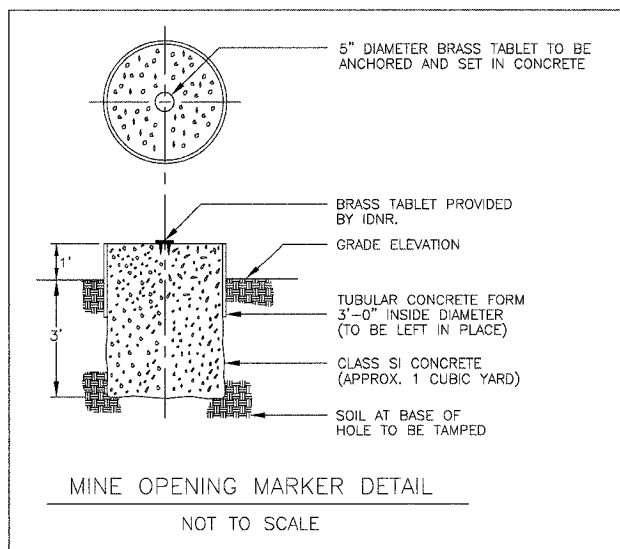
PROPOSED ENTRANCE GATE
SEE DETAIL J-4

MAIN SHAFT & AIRSHAFT TO BE FILLED/SEALED
SEE DETAIL D-18

SE CORNER OF THE NE ¼ OF
THE NW ¼ OF SEC. 17, T.8S., R.2E.

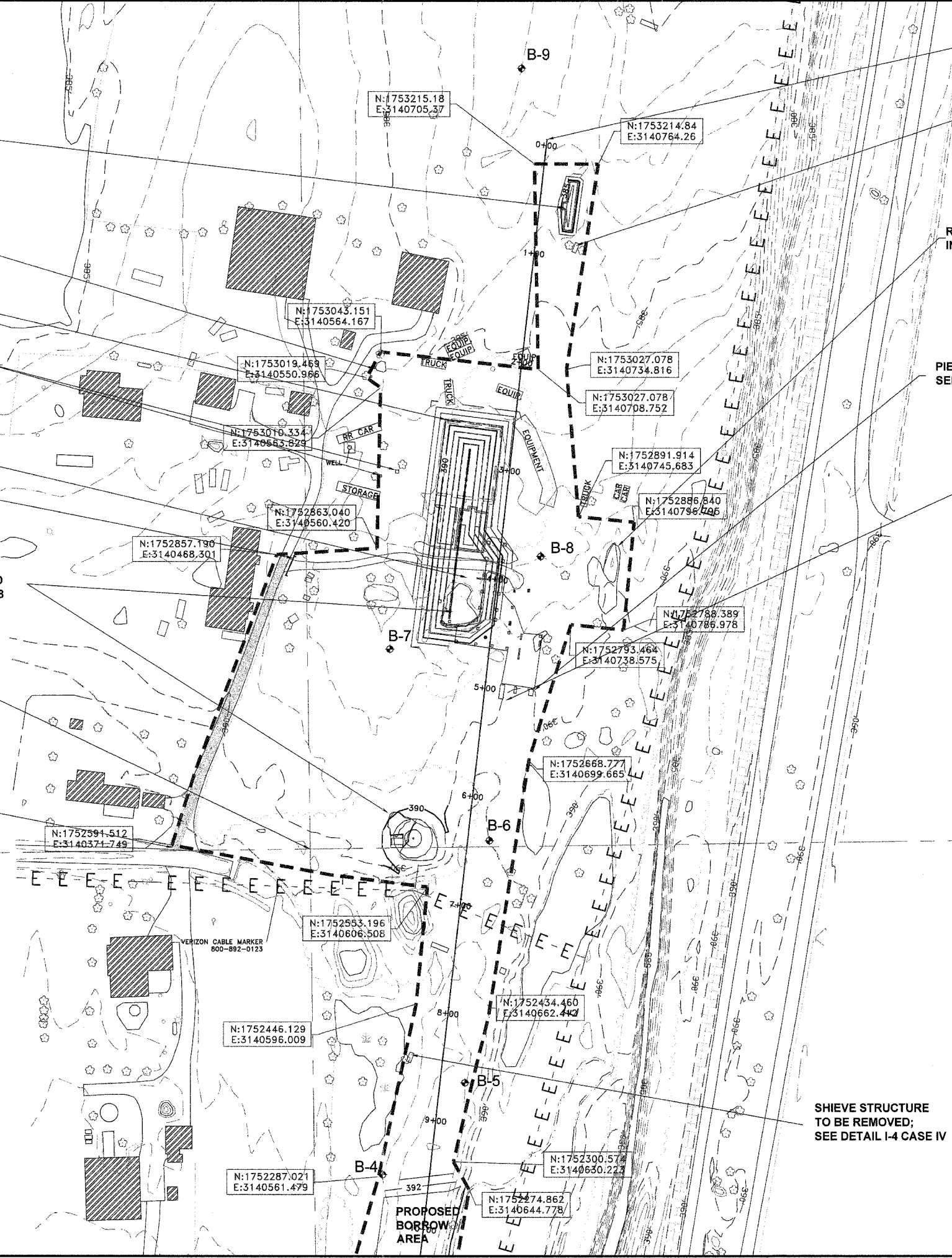
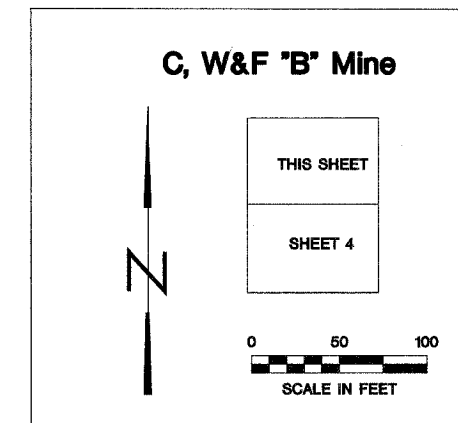
REPAIR DRIVEWAY WITH 78 TON
AGGREGATE SURFACE COURSE, TYPE B
(CA-6) AFTER COMPLETION OF SEEDING

Pntno:15
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N=424019.13
ELV. 392.76

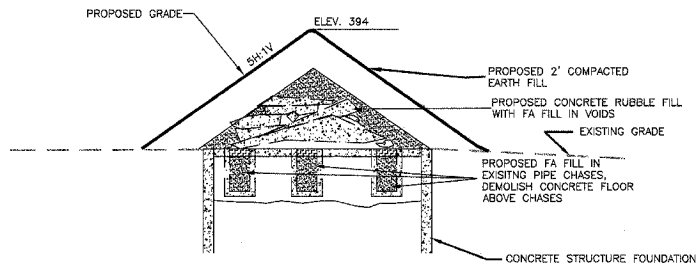


	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING STRUCTURE
	CONSTRUCTION LIMITS
	EDGE OF ROAD
	TREELINE
	SURVEY CONTROL POINT
	SOIL BORING

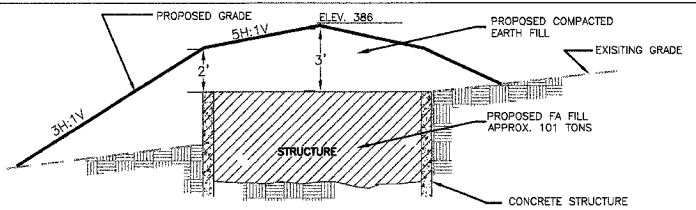
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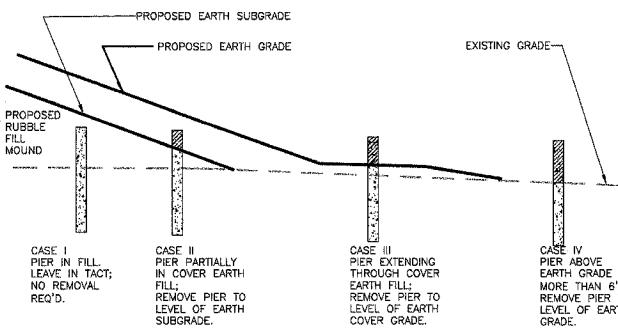
REMOVE REMAINING WALLS TO FLOOR LEVEL. REMOVE CONCRETE FLOOR ABOVE PIPE CHASES AND FILL PIPE CHASES WITH FA FILL. REMOVE HOIST AND MOTOR FOUNDATIONS TO LEVEL OF EXISTING ADJACENT EARTH GRADE. CONSOLIDATE CONCRETE AND RUBBLE IN COMPACT PILE ABOVE FLOOR AND HOIST AREAS AS SHOWN ON THE PROPOSED CONDITIONS. FILL ANY VOIDS IN THE RUBBLE FILL WITH FA FILL. ALL STRUCTURE REMOVAL AND DEMOLITION IS INCIDENTAL TO THE CONTRACT STRUCTURE REMOVAL PRICE. SEE SECTION 501 OF THE SPECIAL PROVISIONS.



G
4
BUILDING STRUCTURE FILLING AND RUBBLE MOUND DETAIL
TYPICAL SECTION, NOT TO SCALE

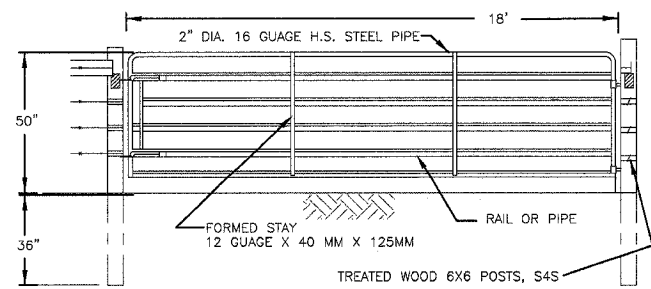


H
4
SCALE PIT STRUCTURE FILLING DETAIL
TYPICAL SECTION, NOT TO SCALE

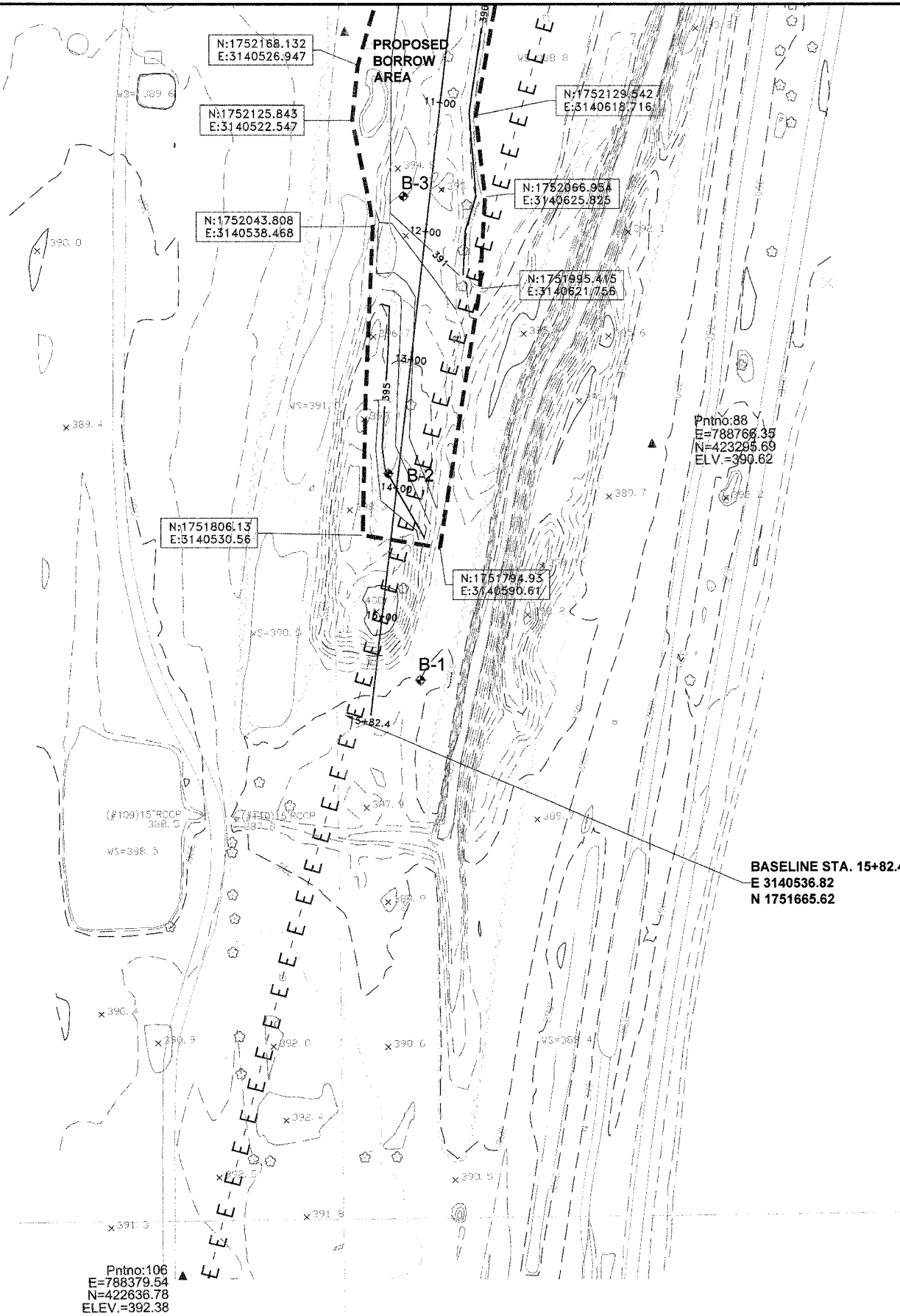


ALL STRUCTURE REMOVAL AND DEMOLITION IS INCIDENTAL TO THE CONTRACT STRUCTURE REMOVAL PRICE.

I
4
TYPICAL PIER & SMALL FOUNDATION REMOVAL
TYPICAL SECTION, NOT TO SCALE



J
4
CONSTRUCTION ENTRANCE GATE DETAIL
TYPICAL SECTION, NOT TO SCALE

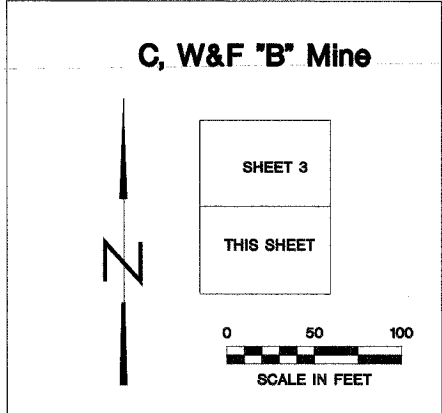


BASELINE STA. 15+82.4
E 3140536.82
N 1751665.62

Pntno:106
E=788379.54
N=422636.78
ELEV.=392.38

--- 99 ---	EXISTING CONTOUR
— 99 —	PROPOSED CONTOUR
	EXISTING STRUCTURE
	CONSTRUCTION LIMITS
	EDGE OF ROAD
	TREELINE
	SURVEY CONTROL POINT
	SOIL BORING

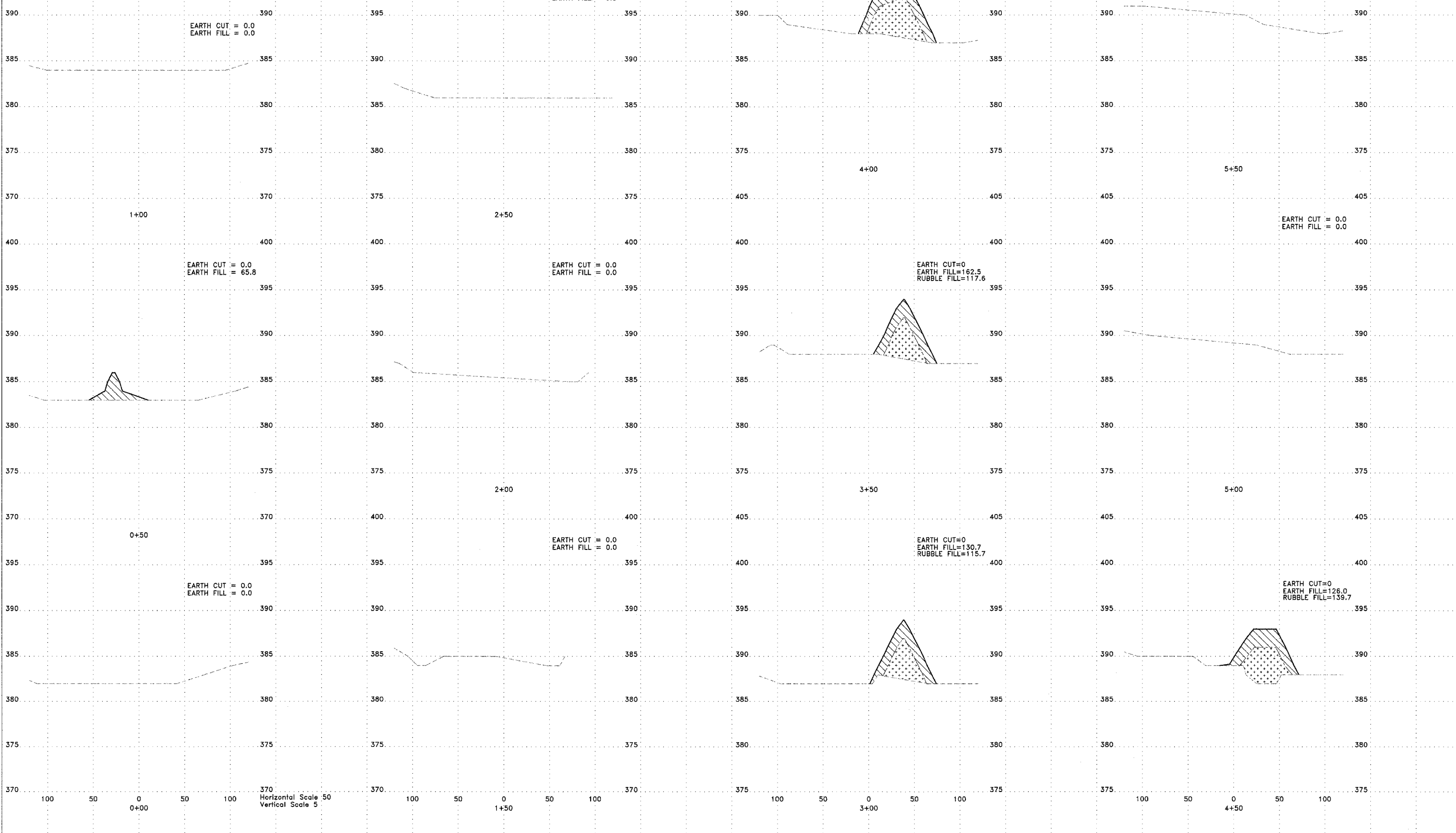
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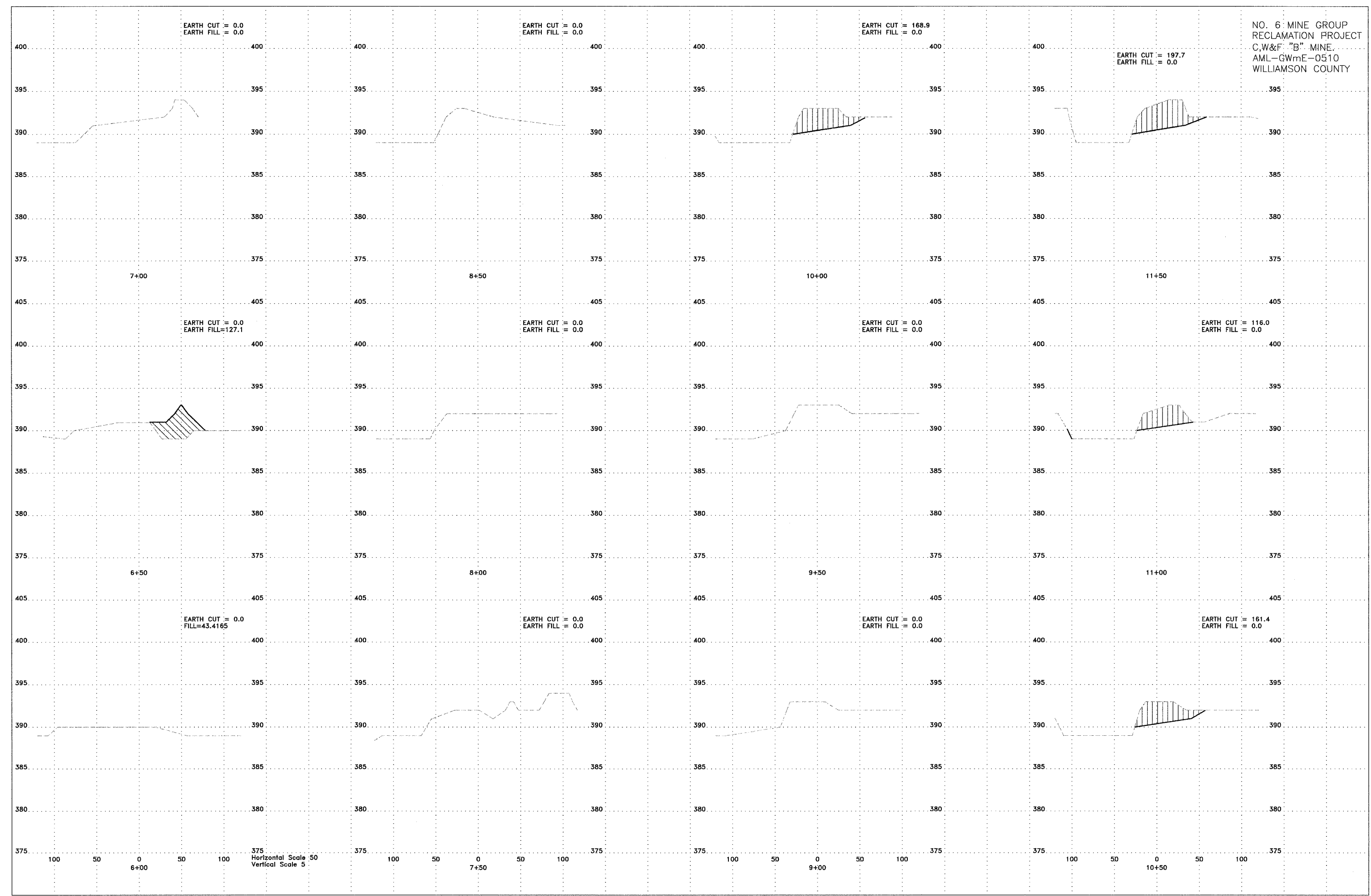


Drawn By: _____ M.T. _____
Checked By: _____
Date: 8/19/07

LEGEND

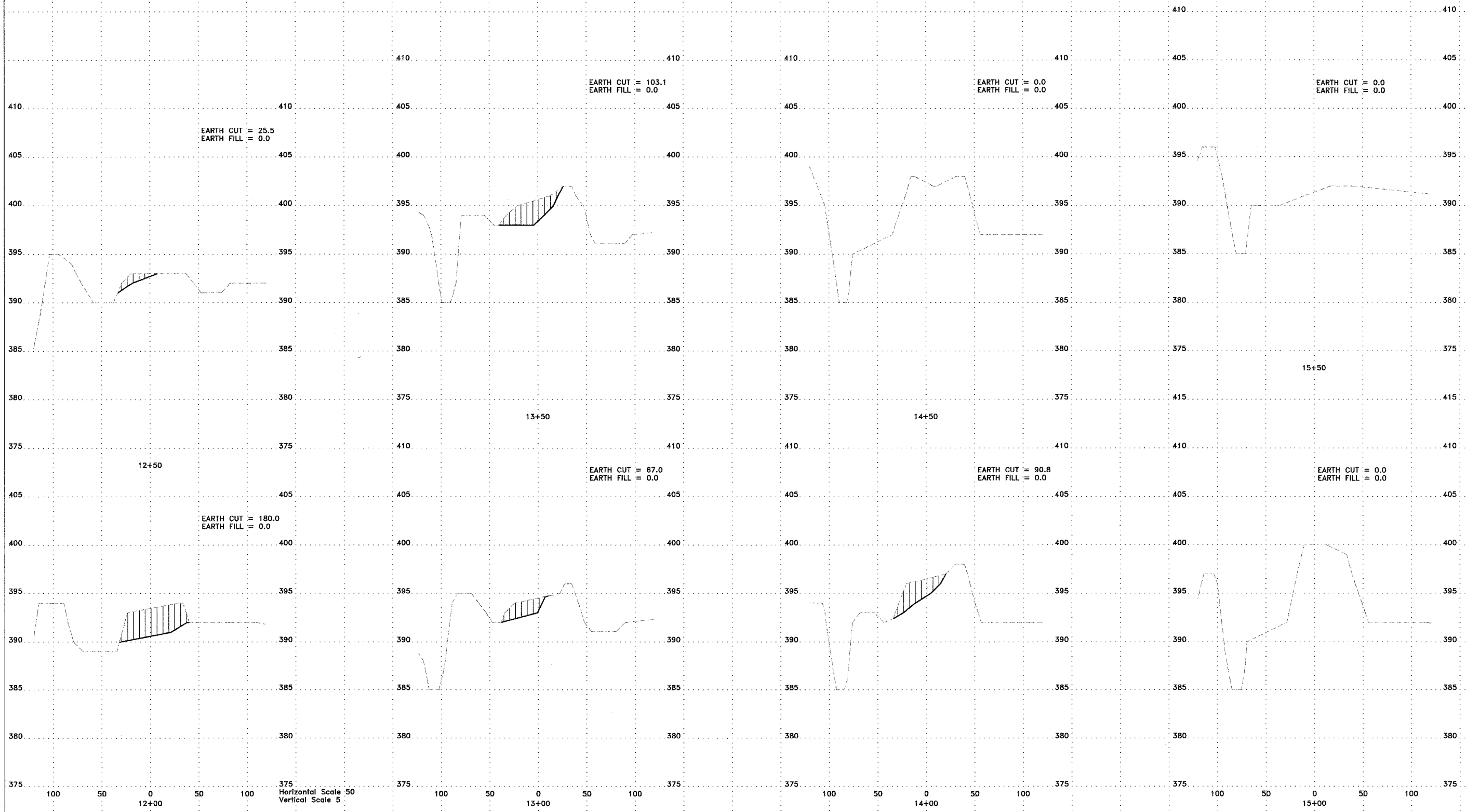
- EXISTING GRADE
- - - PROPOSED SUB-GRADE
- (MINE REFUSE TREATMENT-LIMESTONE)
- PROPOSED GRADE
- ▨ EARTH CUT - EC (SQ. FT.)
- ▩ EARTH FILL - EF (SQ. FT.)
- ▧ RUBBLE FILL - RF (SQ. FT.)




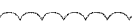






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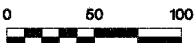
- EXISTING GRADE
- PROPOSED SUB-GRADE
- PROPOSED GRADE
- ▨ EARTH CUT - EC (SQ. FT.)
- ▩ EARTH FILL - EF (SQ. FT.)
- RUBBLE FILL - MRF (SQ. FT.)



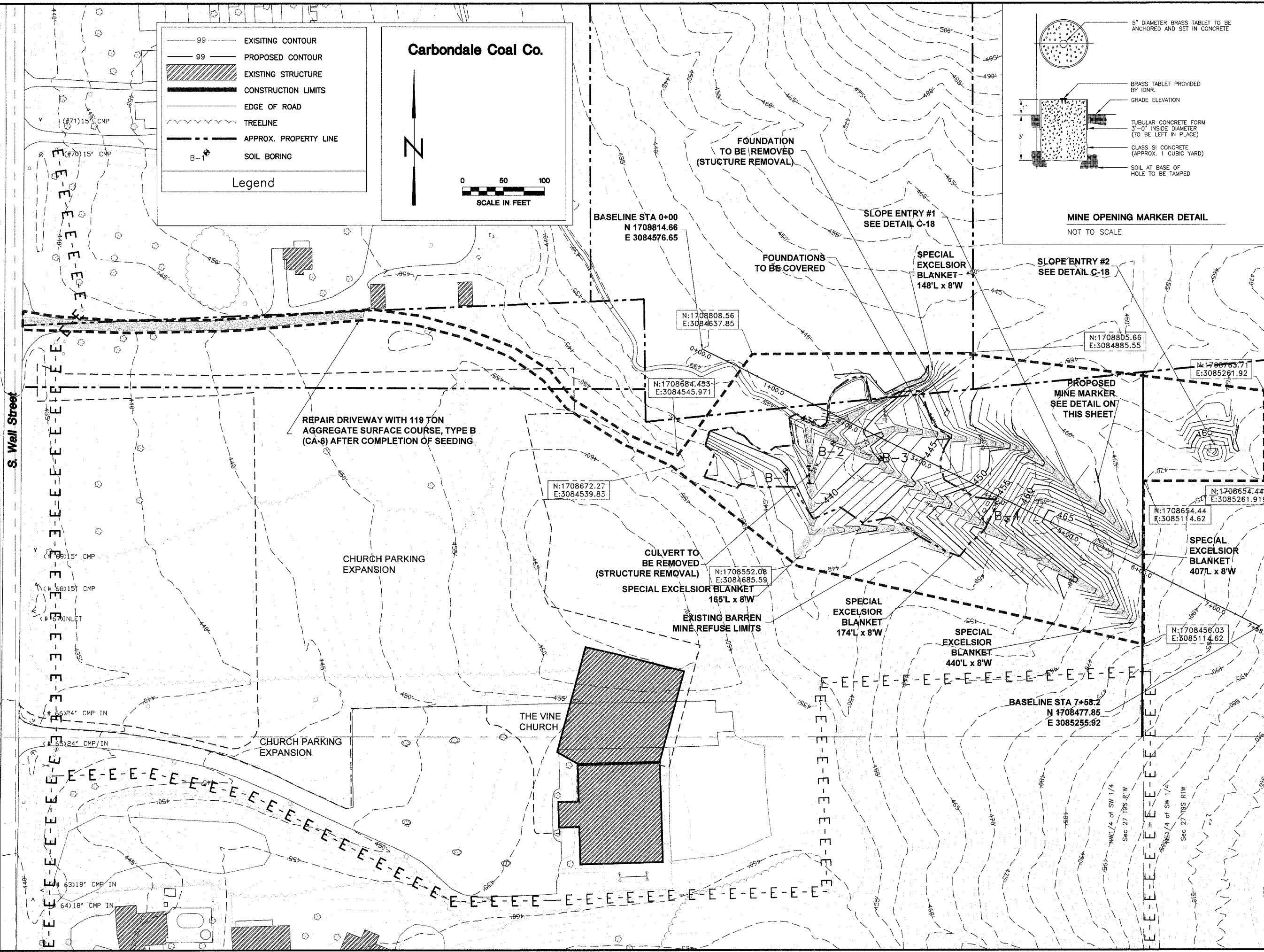
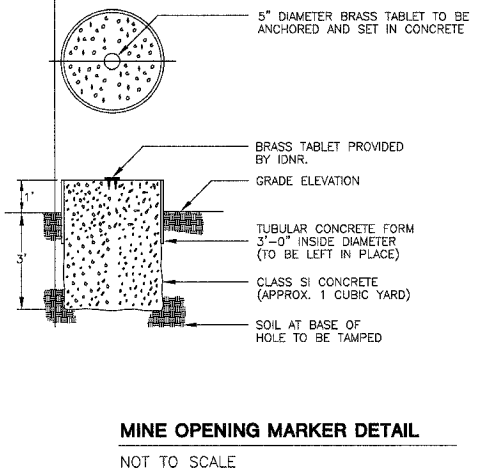
99 — EXISTING CONTOUR
 99 — PROPOSED CONTOUR
 EXISTING STRUCTURE
 CONSTRUCTION LIMITS
 EDGE OF ROAD
 TREELINE
 APPROX. PROPERTY LINE
 SOIL BORING

Legend

Carbondale Coal Co.

SCALE IN FEET



State of Illinois
Department of Natural Resources

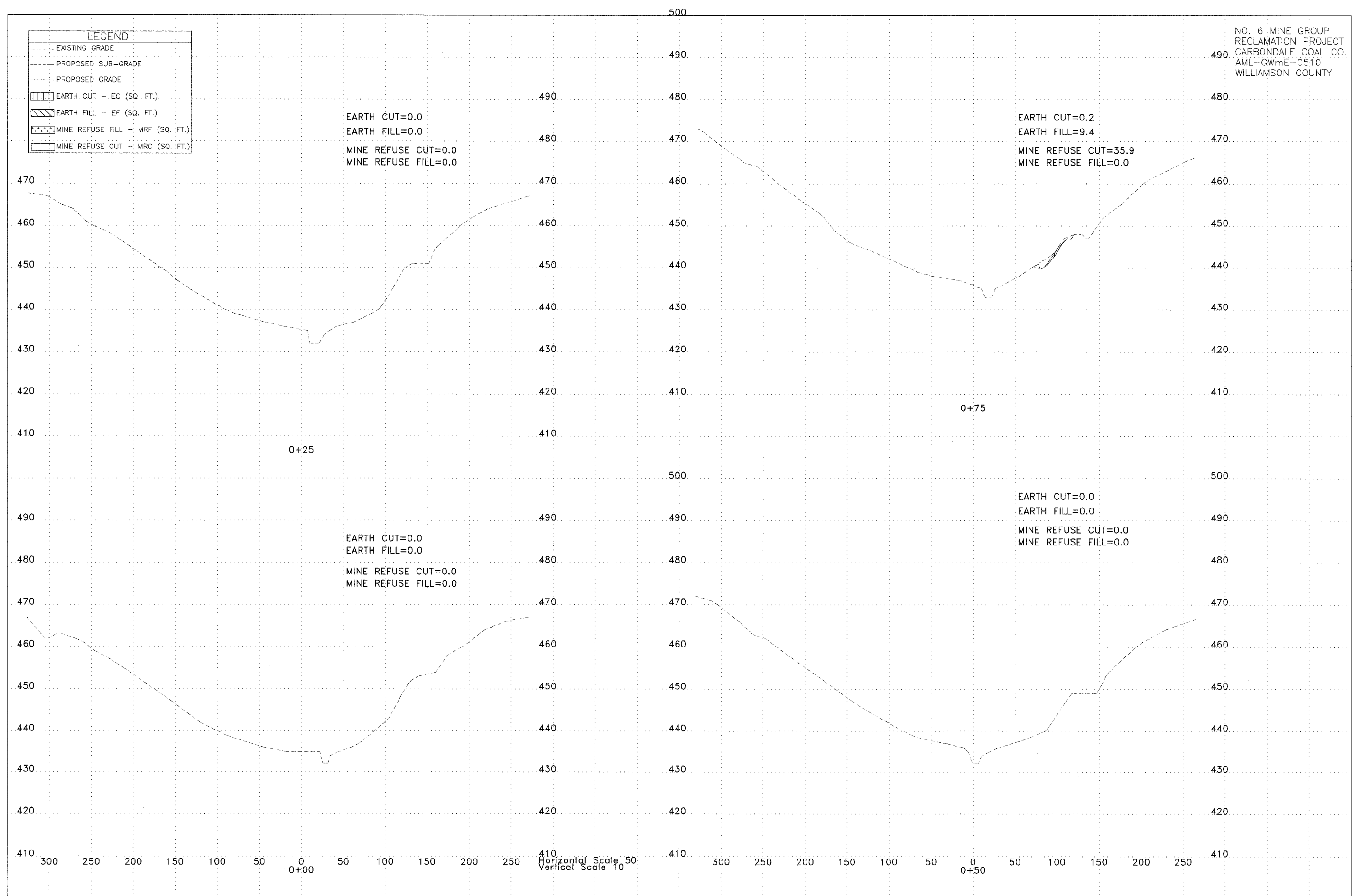
No. 6 Mine Group
Reclamation Project
AML-GWmE-0510
Williamson County

Drawn By: _____ M.T. _____
Date: 5/22/07
Checked By: _____

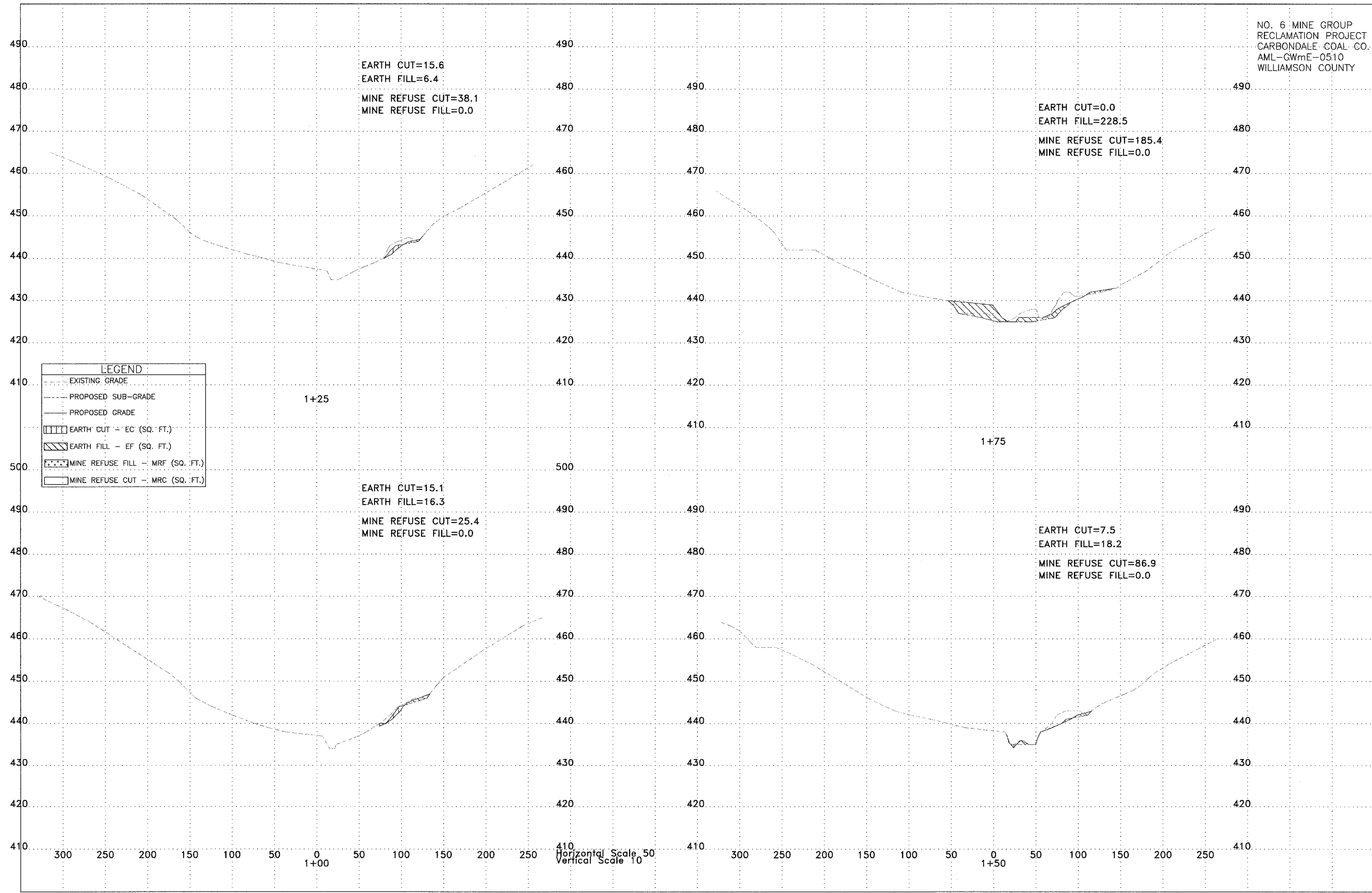
Carbondale Coal Company
Existing & Proposed
Conditions
Sheet 8 of 18

LEGEND

- EXISTING GRADE
- PROPOSED SUB-GRADE
- PROPOSED GRADE
- ▨ EARTH CUT - EC (SQ. FT.)
- ▩ EARTH FILL - EF (SQ. FT.)
- ▤ MINE REFUSE FILL - MRF (SQ. FT.)
- ▥ MINE REFUSE CUT - MRC (SQ. FT.)

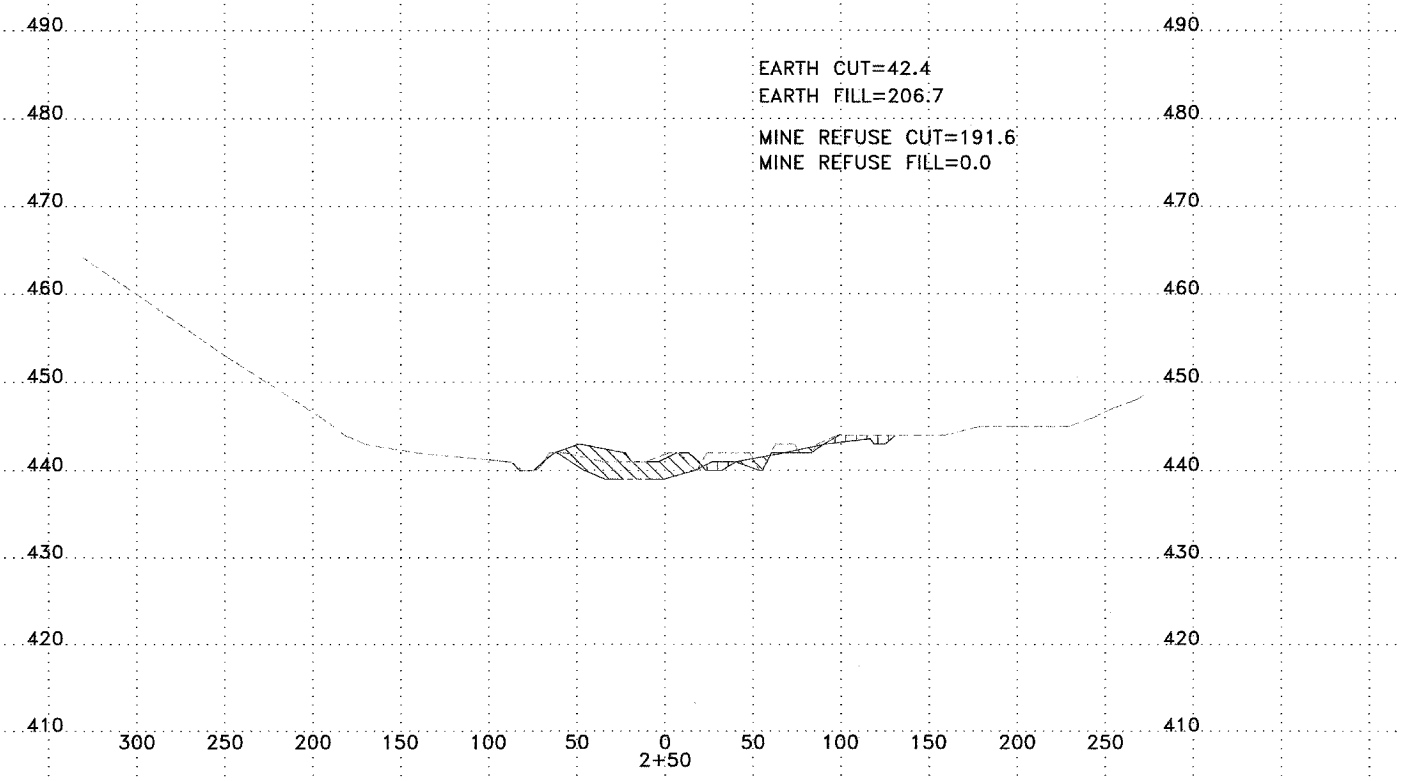
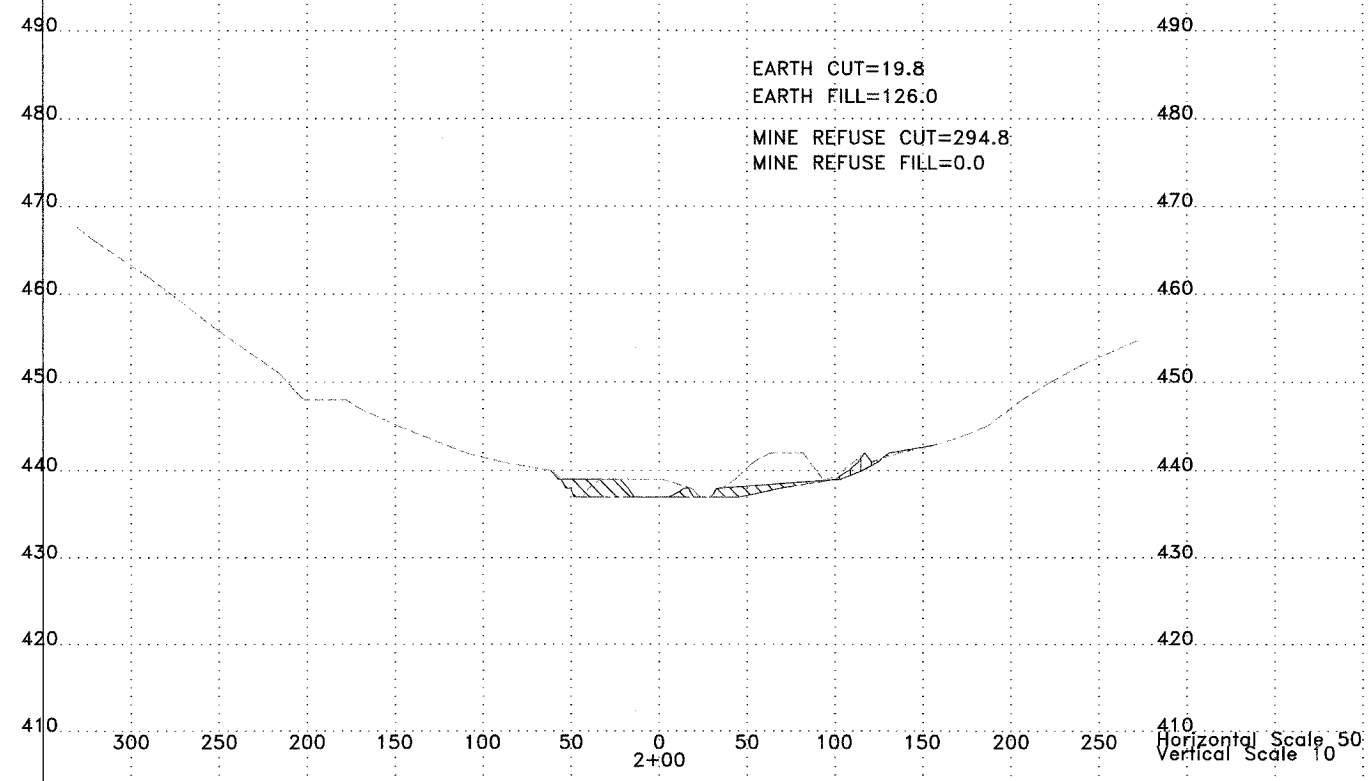
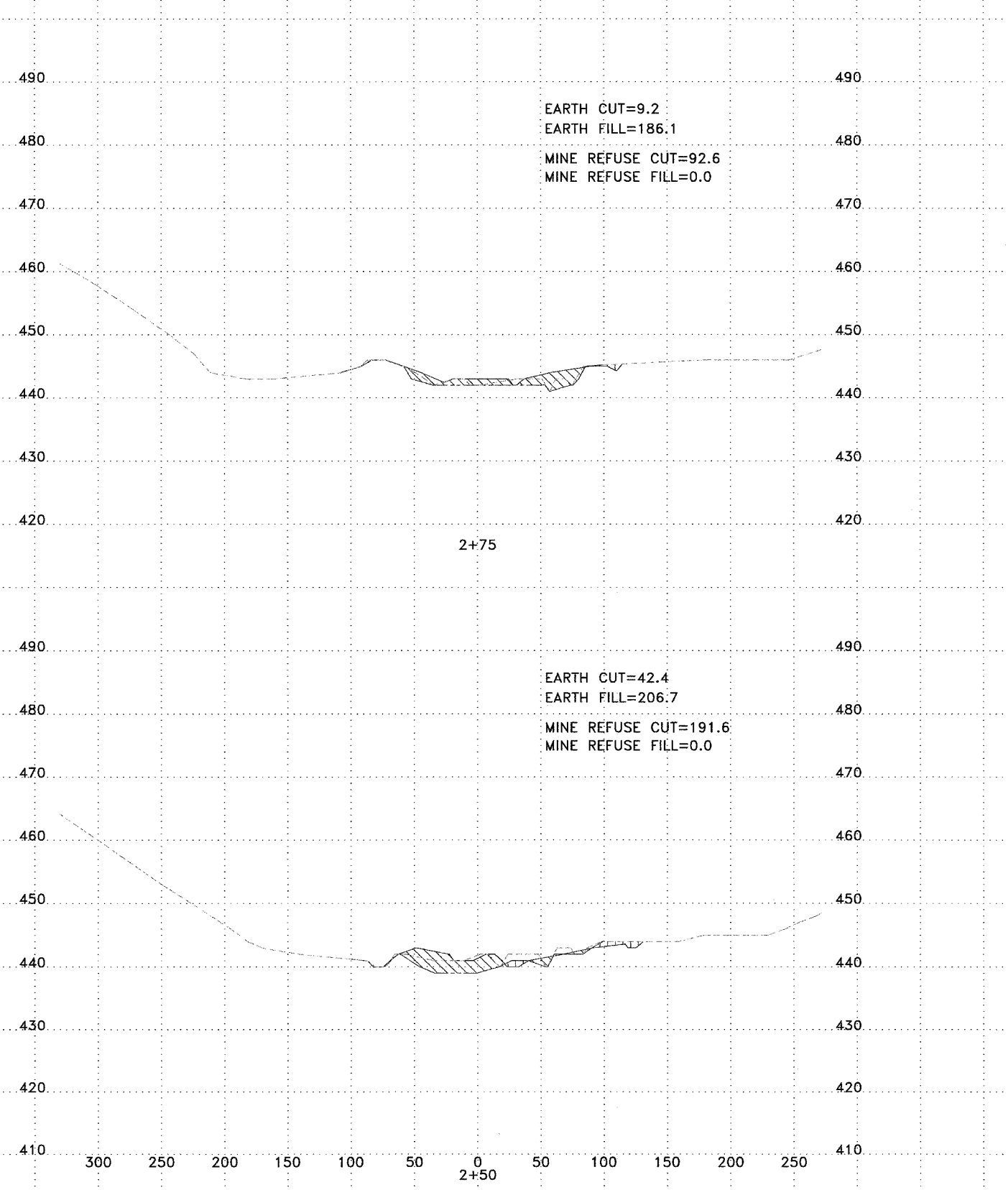
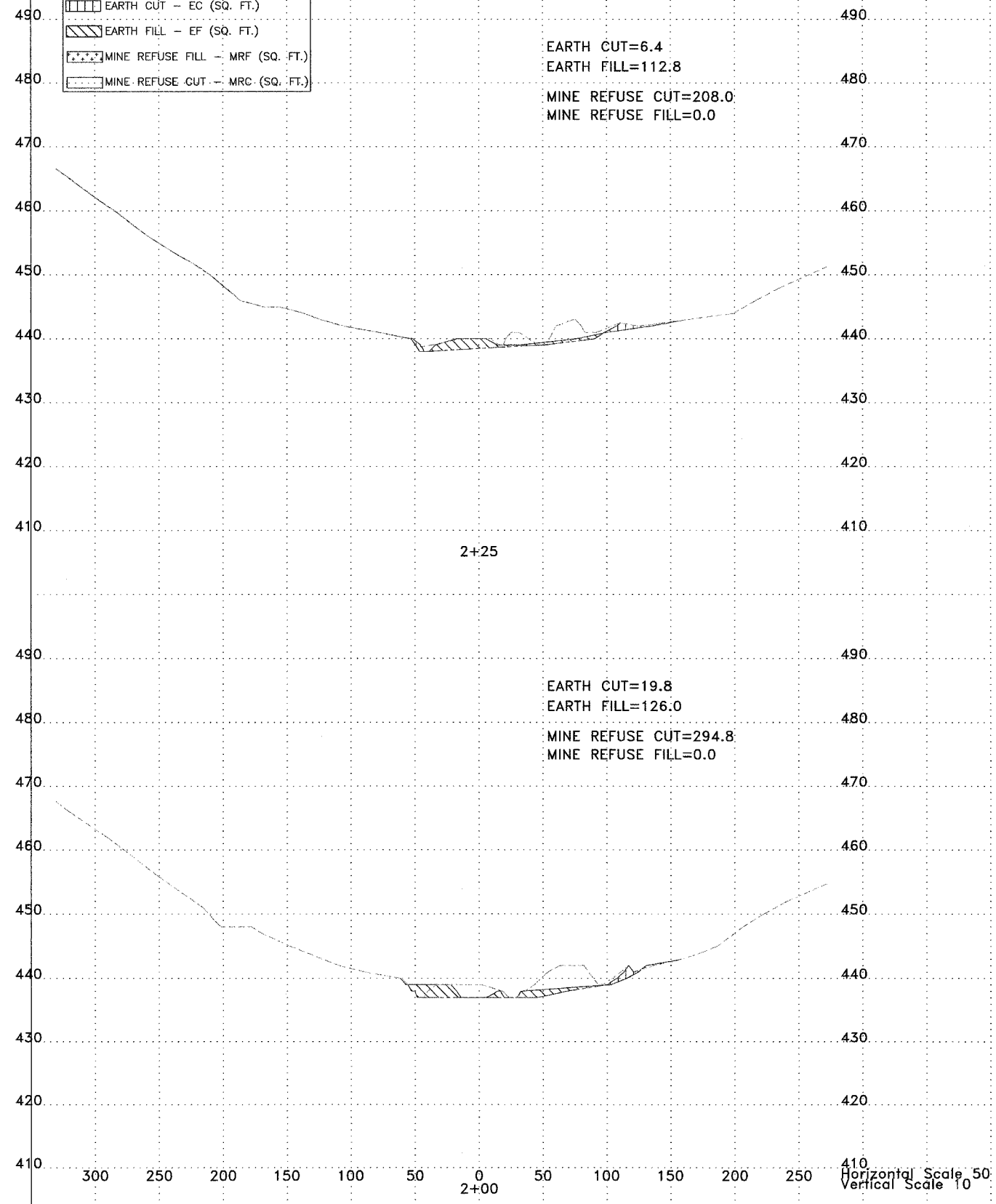


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 Vertical Scale 10

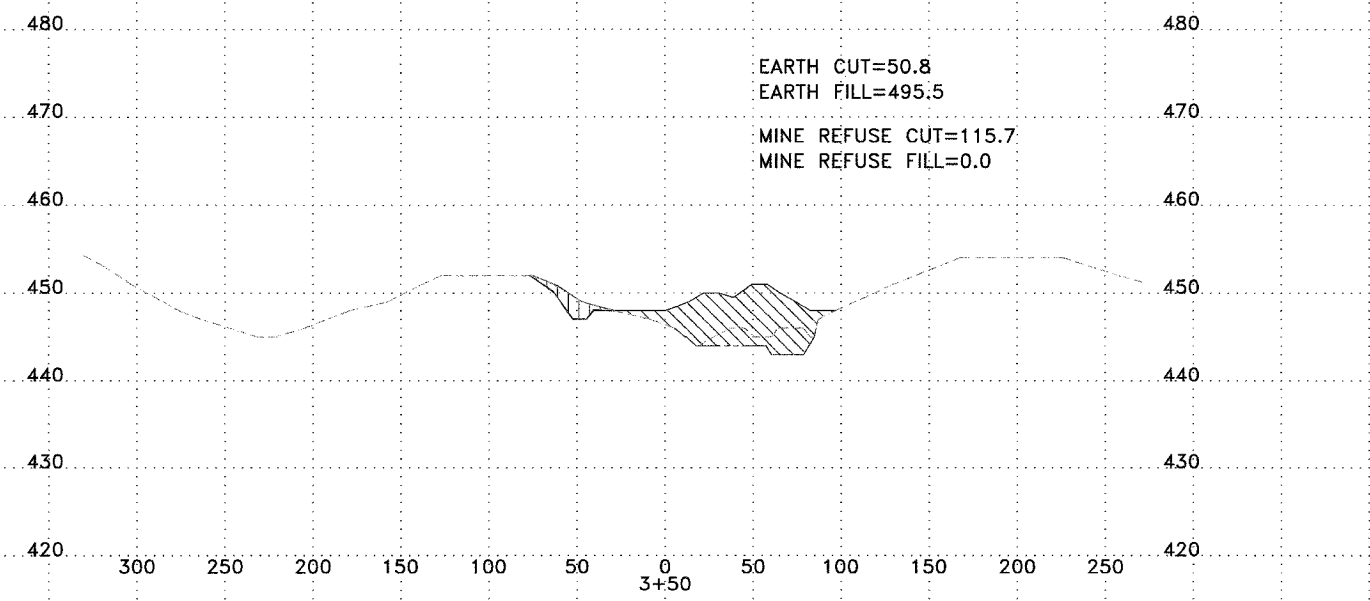
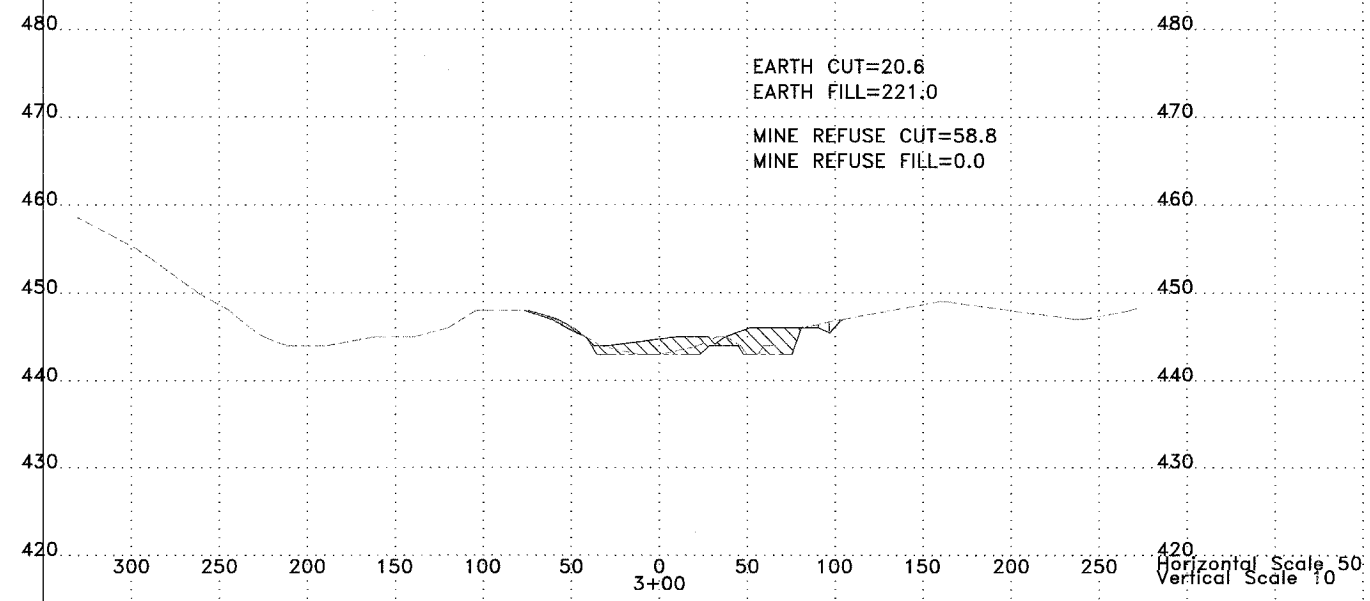
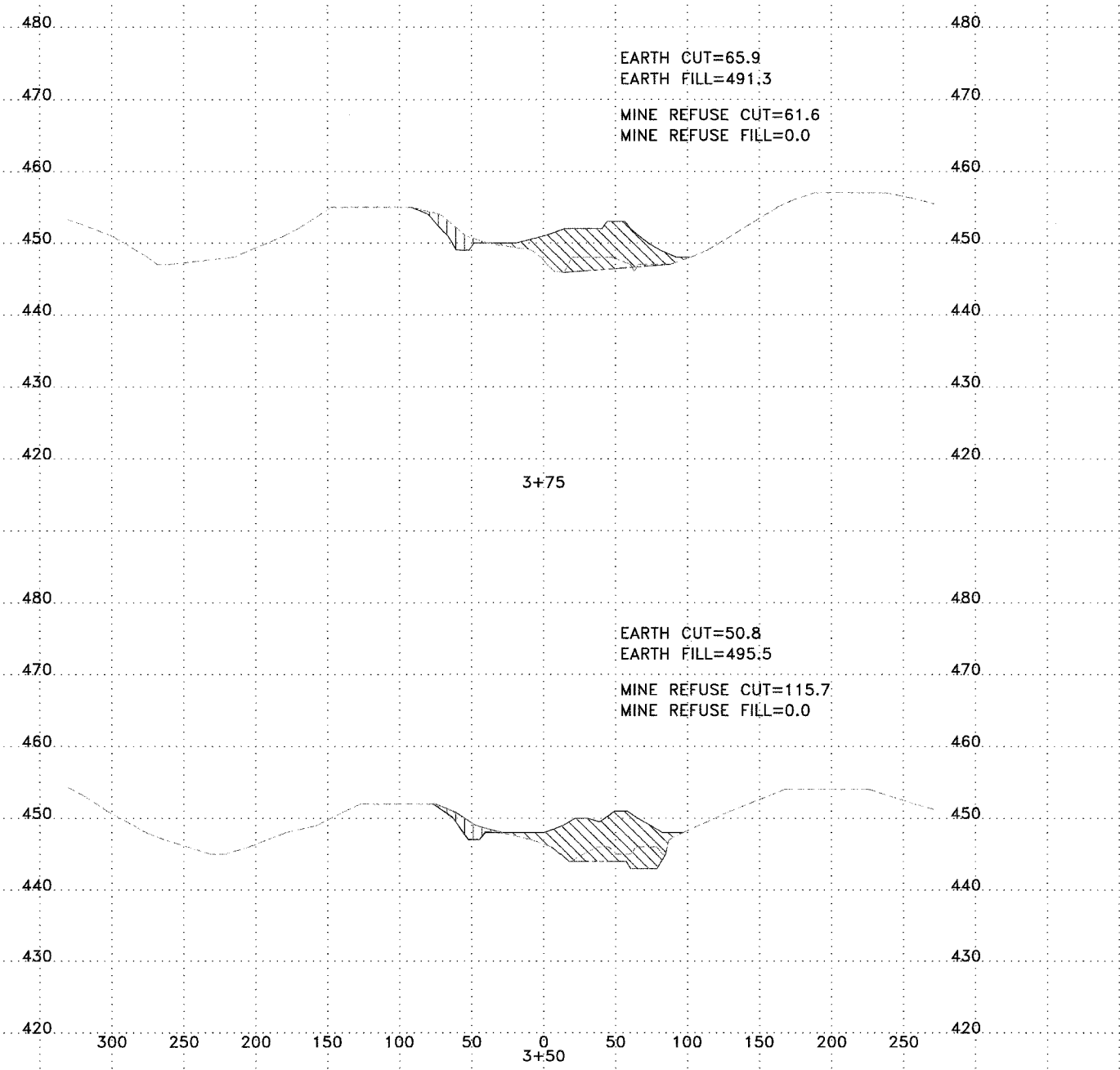
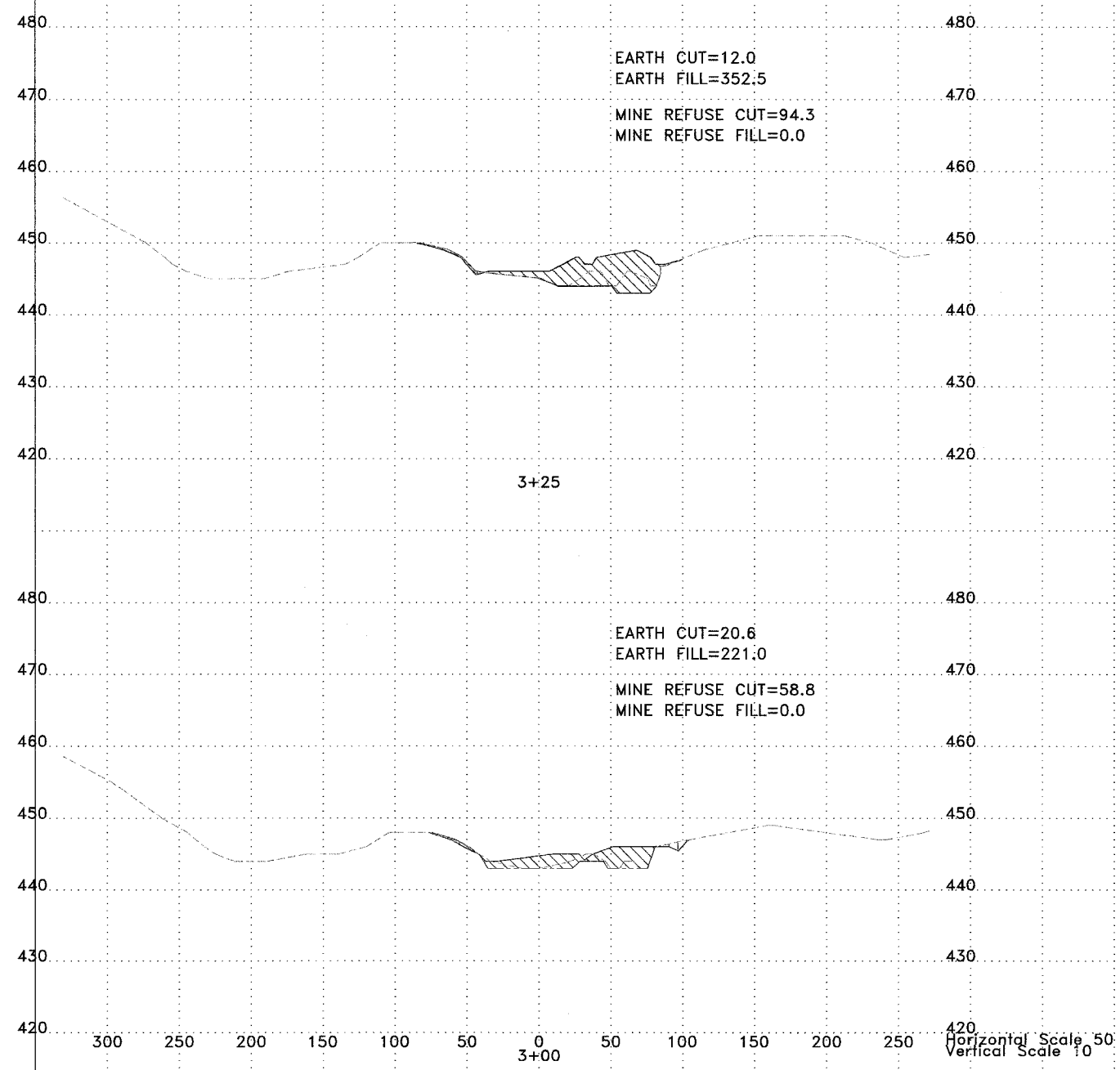


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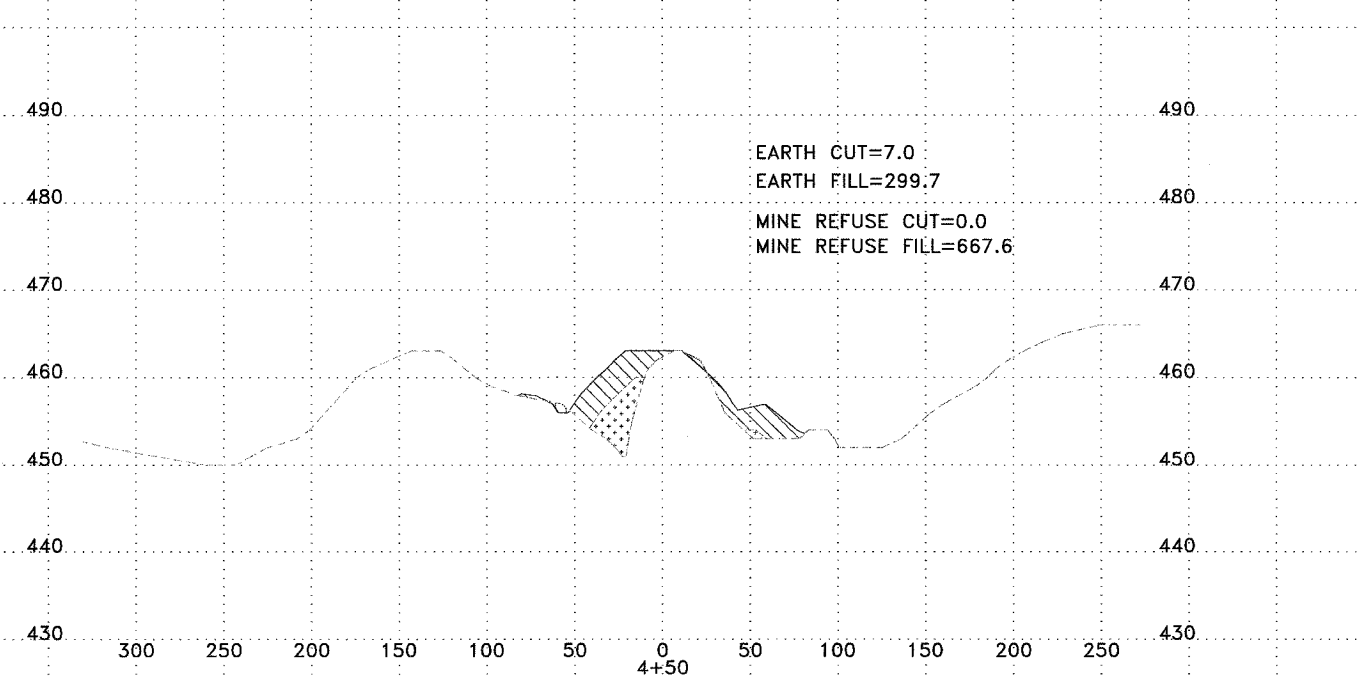
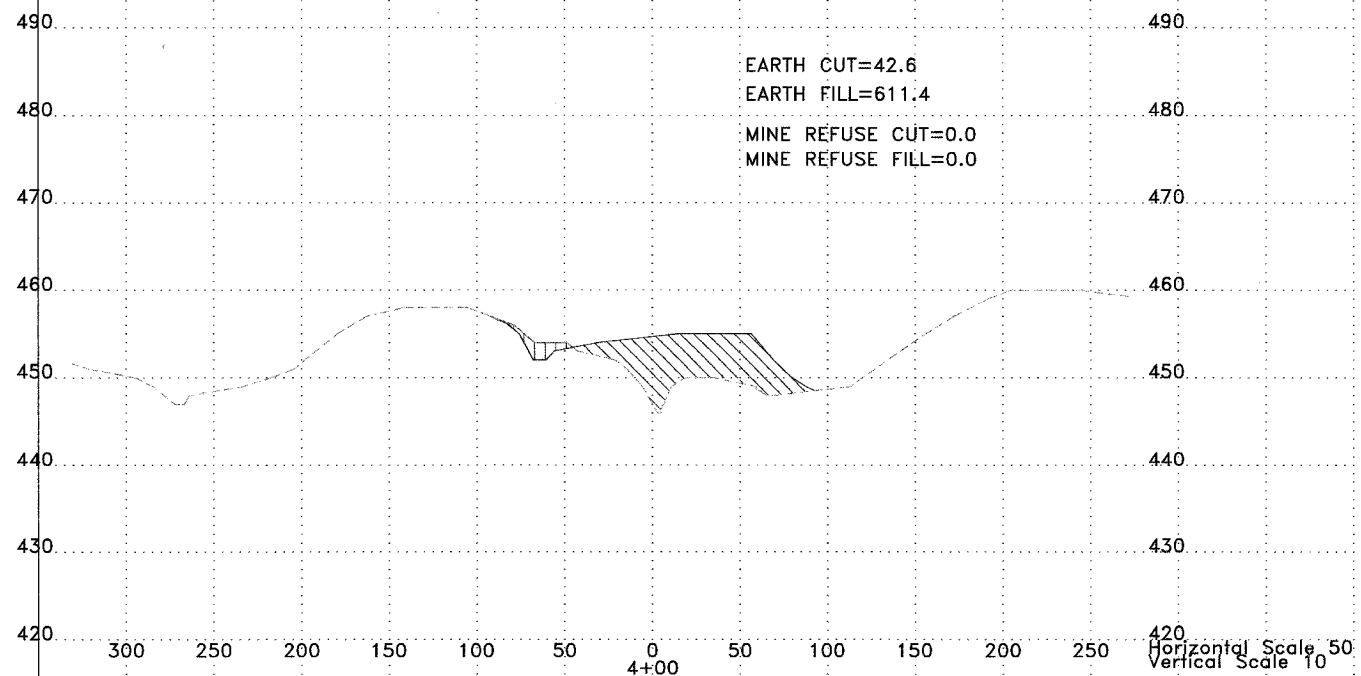
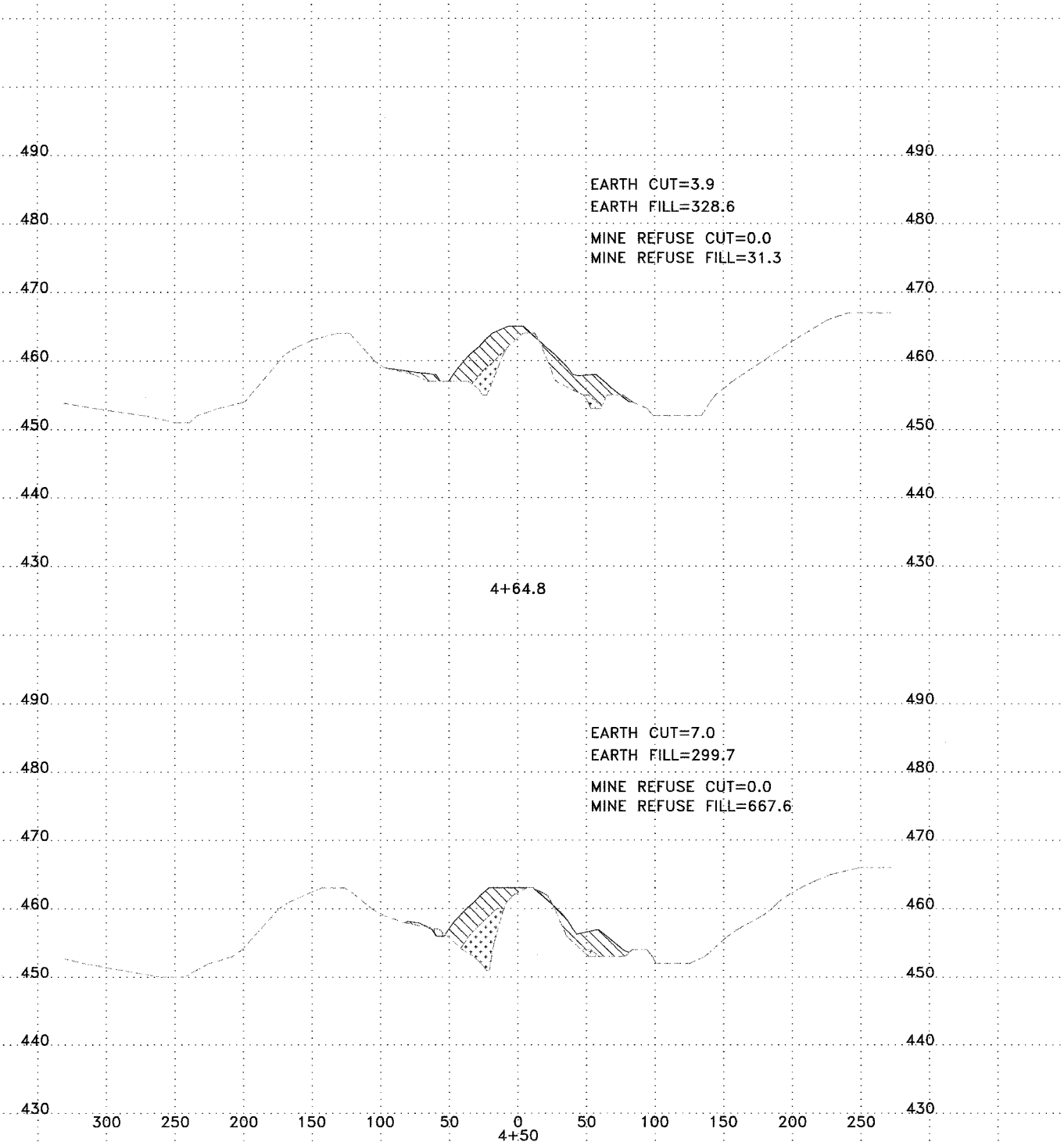
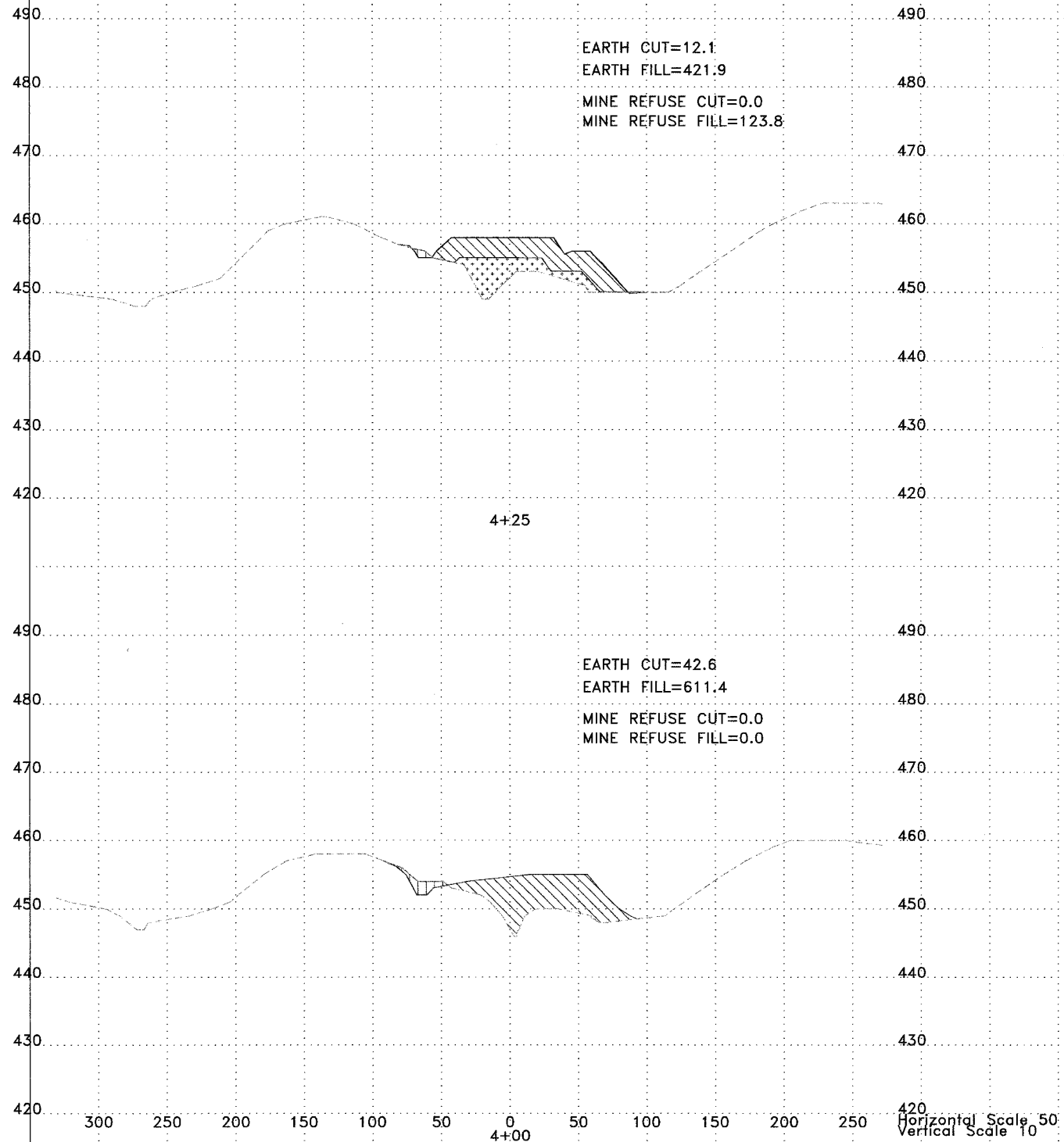
- EXISTING GRADE
- - - PROPOSED SUB-GRADE
- PROPOSED GRADE
- ▨ EARTH CUT - EC (SQ. FT.)
- ▩ EARTH FILL - EF (SQ. FT.)
- MINE REFUSE FILL - MRF (SQ. FT.)
- MINE REFUSE CUT - MRC (SQ. FT.)



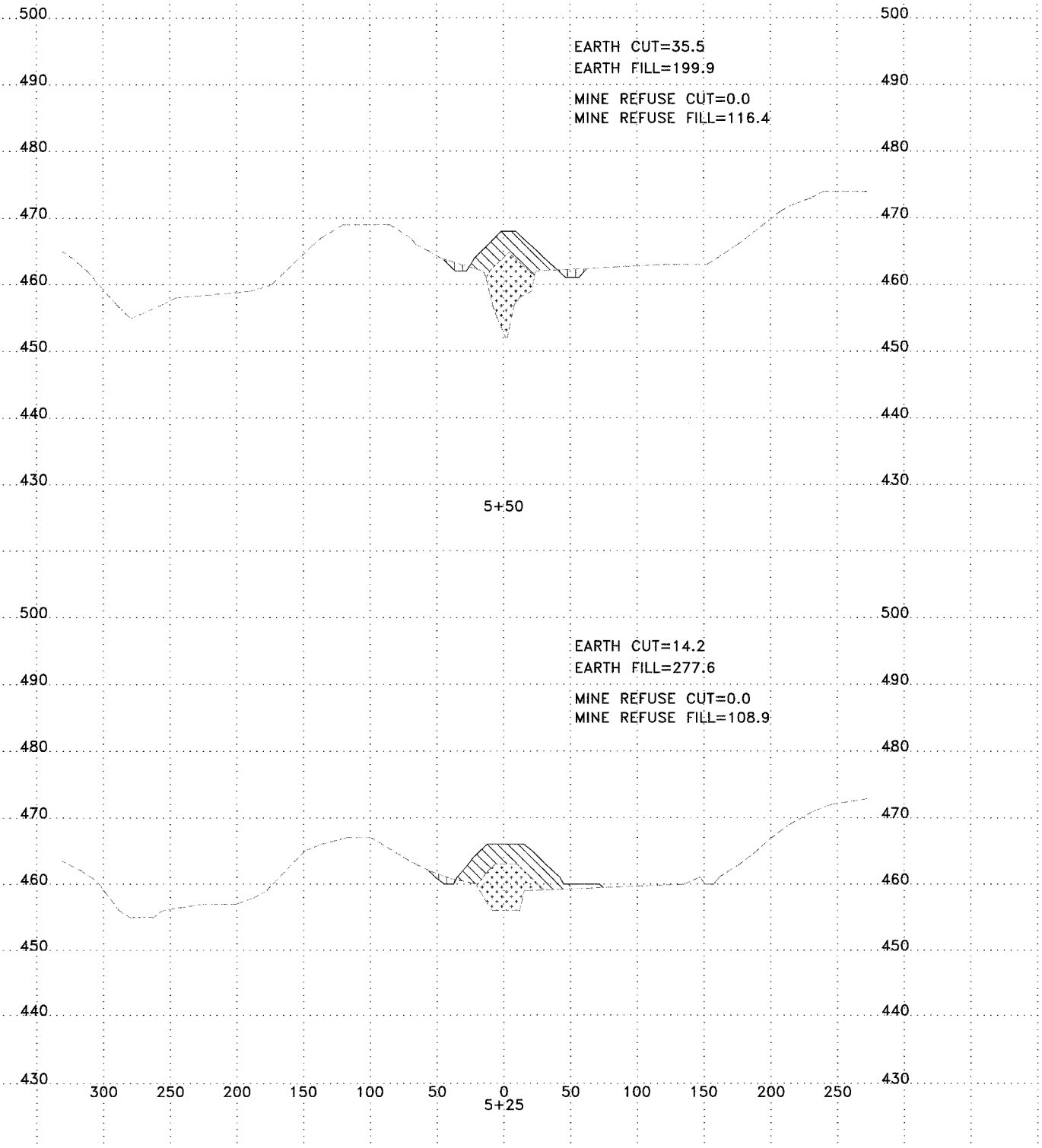
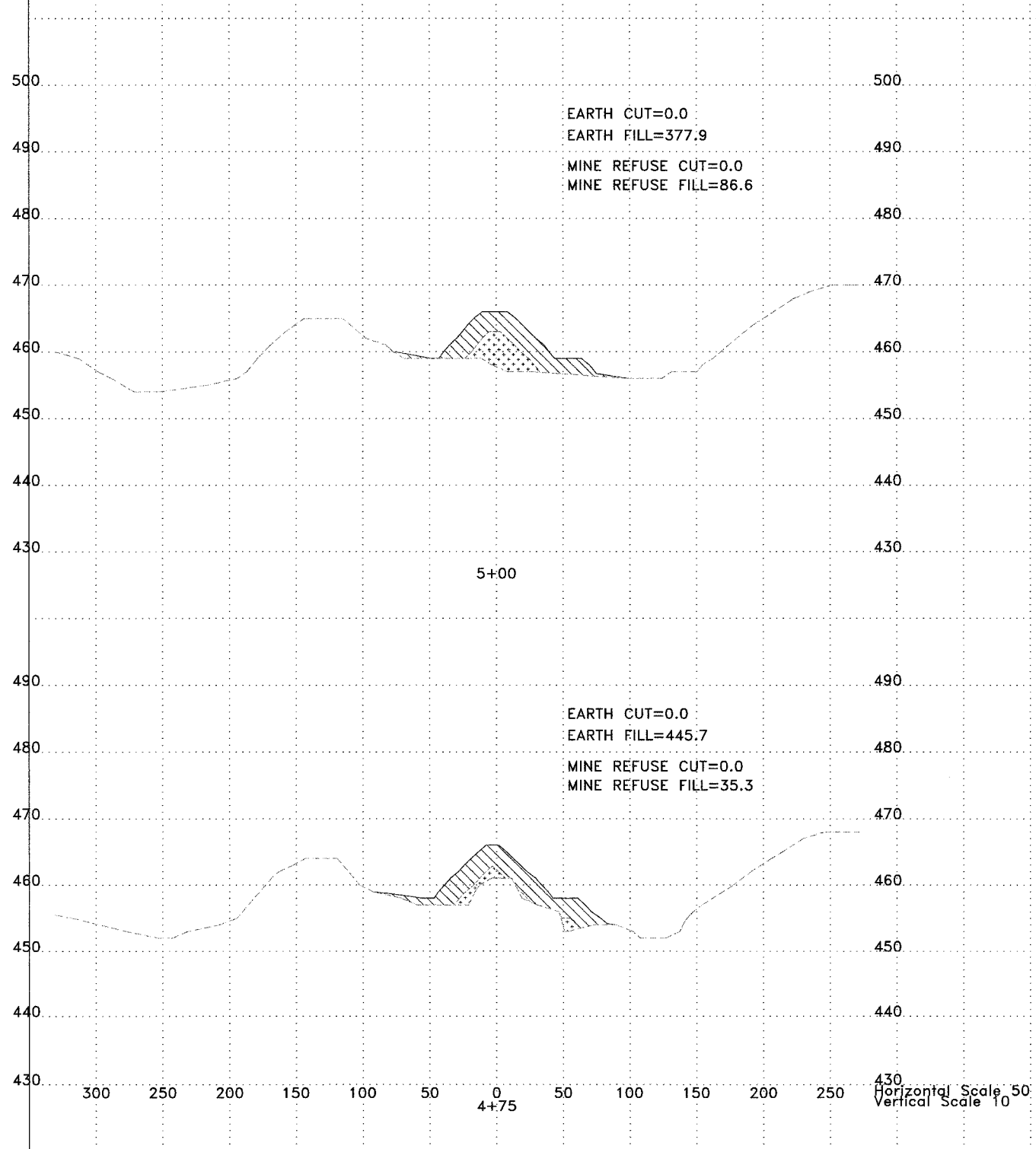
LEGEND	
---	EXISTING GRADE
- - -	EXISTING REFUSE SUB-GRADE
---	PROPOSED GRADE
	EARTH CUT - EC (SQ. FT.)
////	EARTH FILL - EF (SQ. FT.)
....	MINE REFUSE FILL - MRF (SQ. FT.)
----	MINE REFUSE CUT - MRC (SQ. FT.)



LEGEND	
---	EXISTING GRADE
- - -	PROPOSED SUB-GRADE
—	PROPOSED GRADE
	EARTH CUT - EC (SQ. FT.)
////	EARTH FILL - EF (SQ. FT.)
••••	MINE REFUSE FILL - MRF (SQ. FT.)
□	MINE REFUSE CUT - MRC (SQ. FT.)

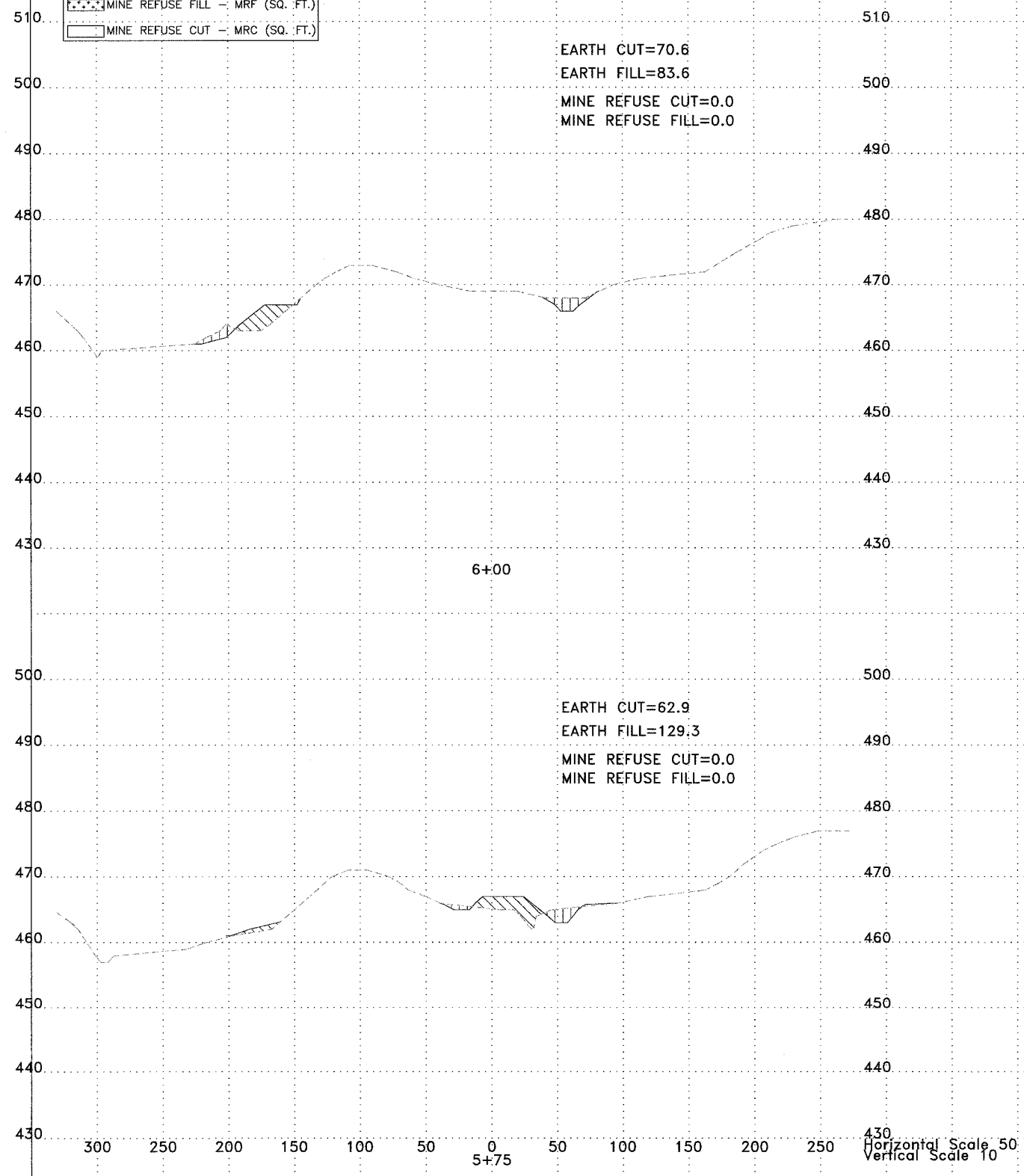


LEGEND	
---	EXISTING GRADE
- - -	PROPOSED SUB-GRADE
—	PROPOSED GRADE
▨	EARTH CUT - EC (SQ. FT.)
▩	EARTH FILL - EF (SQ. FT.)
▧	MINE REFUSE FILL - MRF (SQ. FT.)
▦	MINE REFUSE CUT - MRC (SQ. FT.)



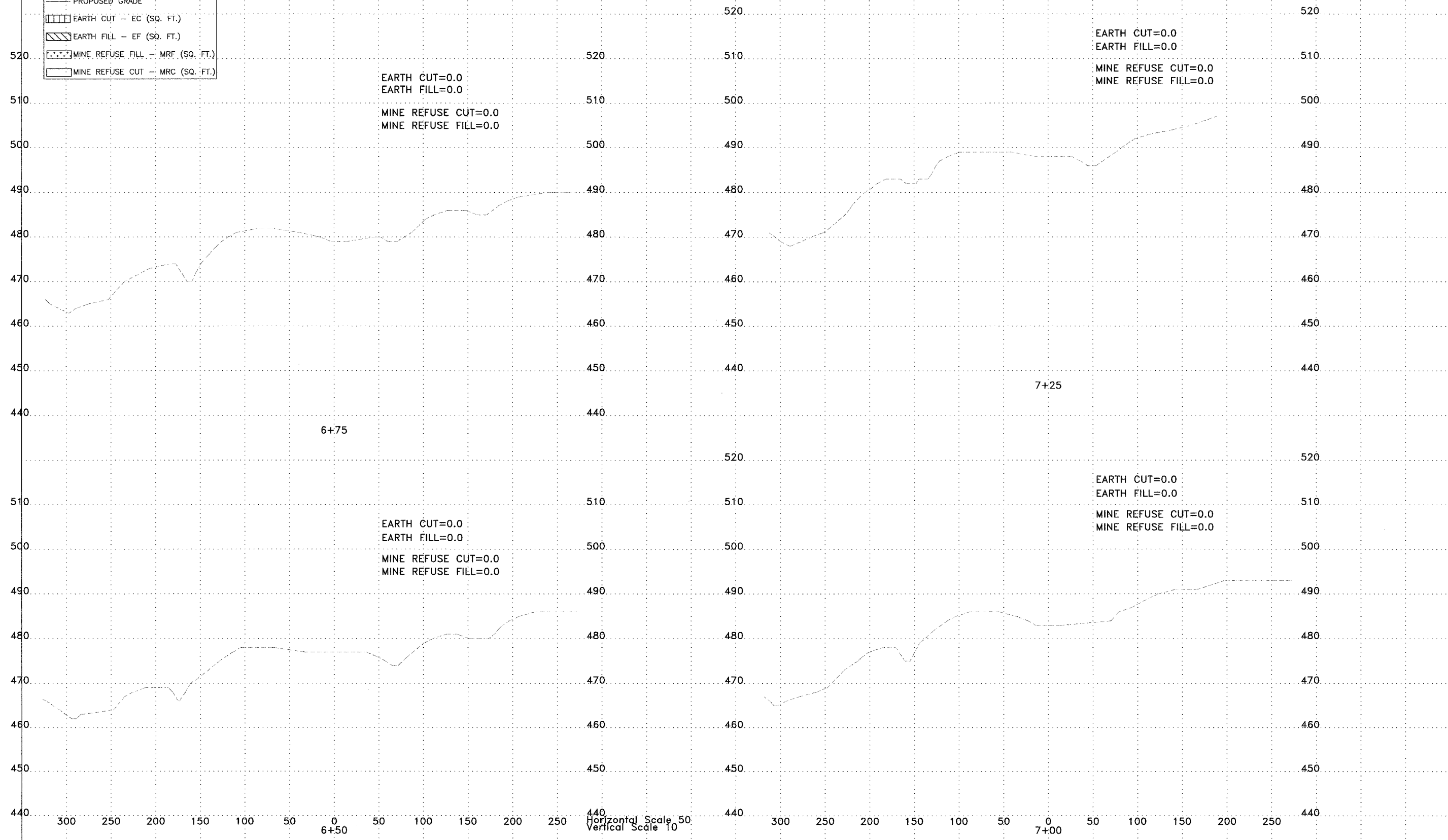
LEGEND

- EXISTING GRADE
- - - PROPOSED SUB-GRADE
- PROPOSED GRADE
- ▨ EARTH CUT - EC (SQ. FT.)
- ▩ EARTH FILL - EF (SQ. FT.)
- ▤ MINE REFUSE FILL - MRF (SQ. FT.)
- ▥ MINE REFUSE CUT - MRC (SQ. FT.)



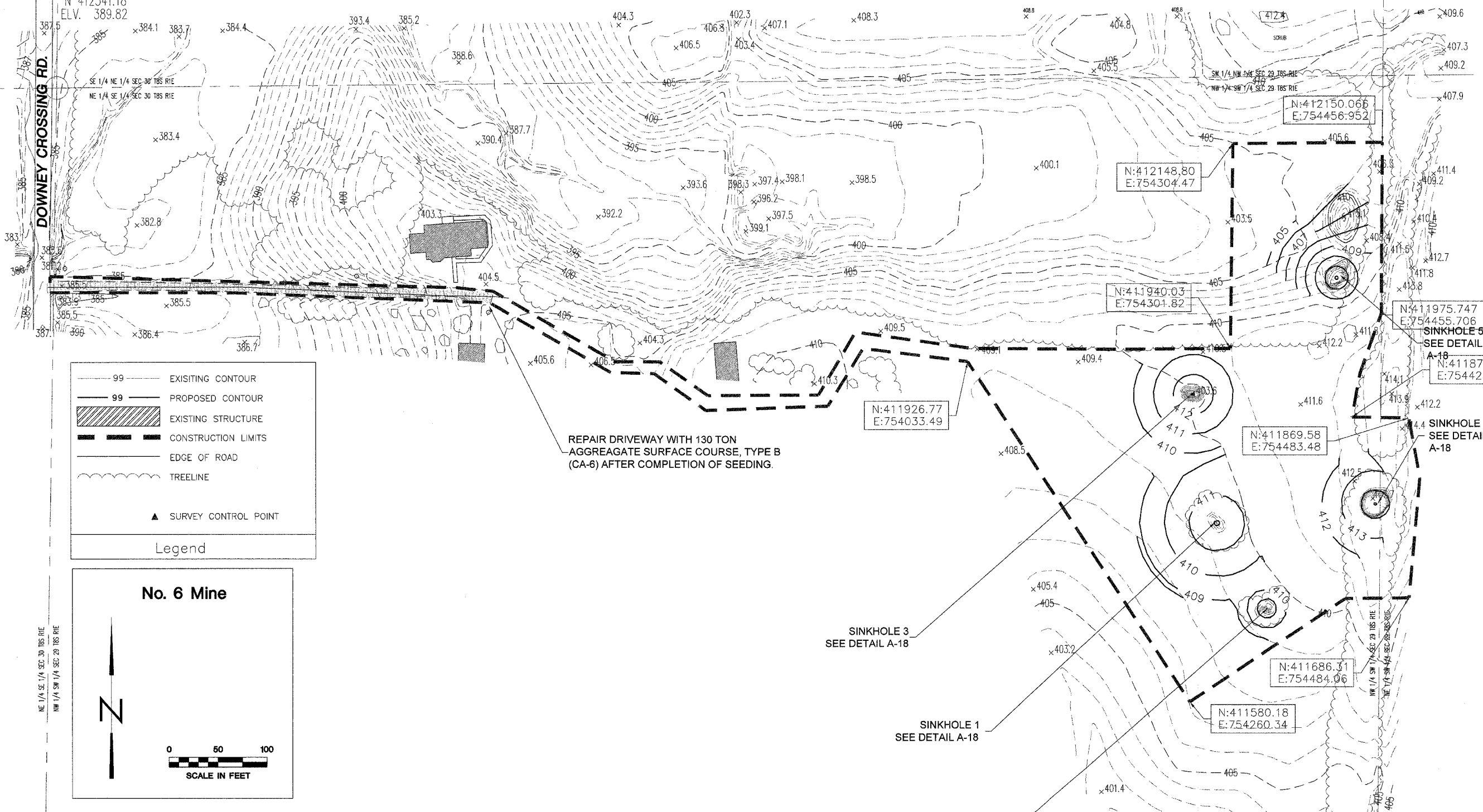
LEGEND

- EXISTING GRADE
- PROPOSED SUB-GRADE
- PROPOSED GRADE
- |||| EARTH CUT - EC (SQ. FT.)
- \\\\ EARTH FILL - EF (SQ. FT.)
- MINE REFUSE FILL - MRF (SQ. FT.)
- MINE REFUSE CUT - MRC (SQ. FT.)



SE 1/4 NE 1/4 SEC 29 T8S R1E
 SW 1/4 NW 1/4 SEC 29 T8S R1E

CONTROL POINT 403
 IN C.L. OF ROAD
 E 753090.56
 N 412341.18
 ELV. 389.82



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

Legend

No. 6 Mine

SCALE IN FEET

CONTROL POINT 3
 IRON PIN WITH CAP 22' W. OF C.L.
 E 753063.49
 N 411409.40
 ELV. 404.67

REPAIR DRIVEWAY WITH 130 TON
 AGGREGATE SURFACE COURSE, TYPE B
 (CA-6) AFTER COMPLETION OF SEEDING.

SINKHOLE 3
 SEE DETAIL A-18

SINKHOLE 1
 SEE DETAIL A-18

SINKHOLE 2
 SEE DETAIL B-18

SINKHOLE 5
 SEE DETAIL A-18

SINKHOLE 4
 SEE DETAIL A-18

N:412148.80
 E:754304.47

N:411940.03
 E:754301.82

N:411926.77
 E:754033.49

N:411869.58
 E:754483.48

N:411686.31
 E:754484.06

N:411580.18
 E:754260.34

N:412150.066
 E:754456.952

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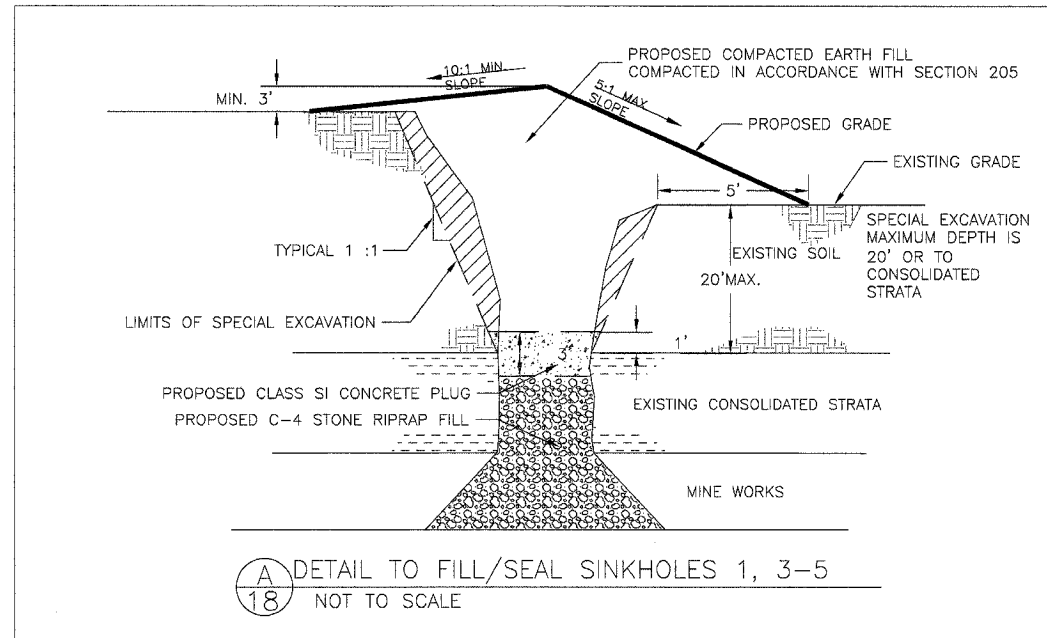
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State of Illinois
 Department of Natural Resources

No. 6 Mine Group
 Reclamation Project
 AML-GWmE-0510
 Williamson County

Drawn By: M.T.
 Checked By:
 Date: 5/22/07

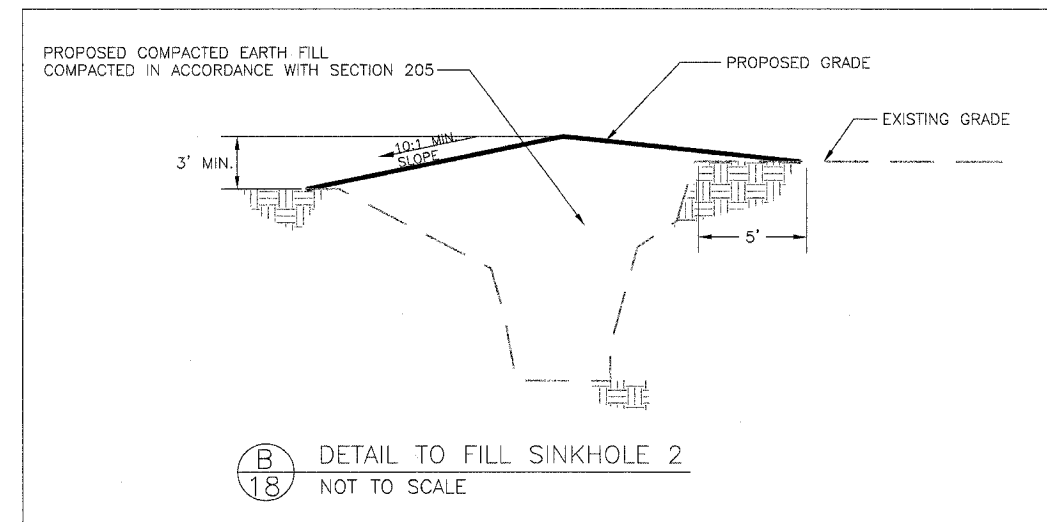
No. 6 Mine Site
 Existing & Proposed
 Conditions
 Sheet 17 of 18



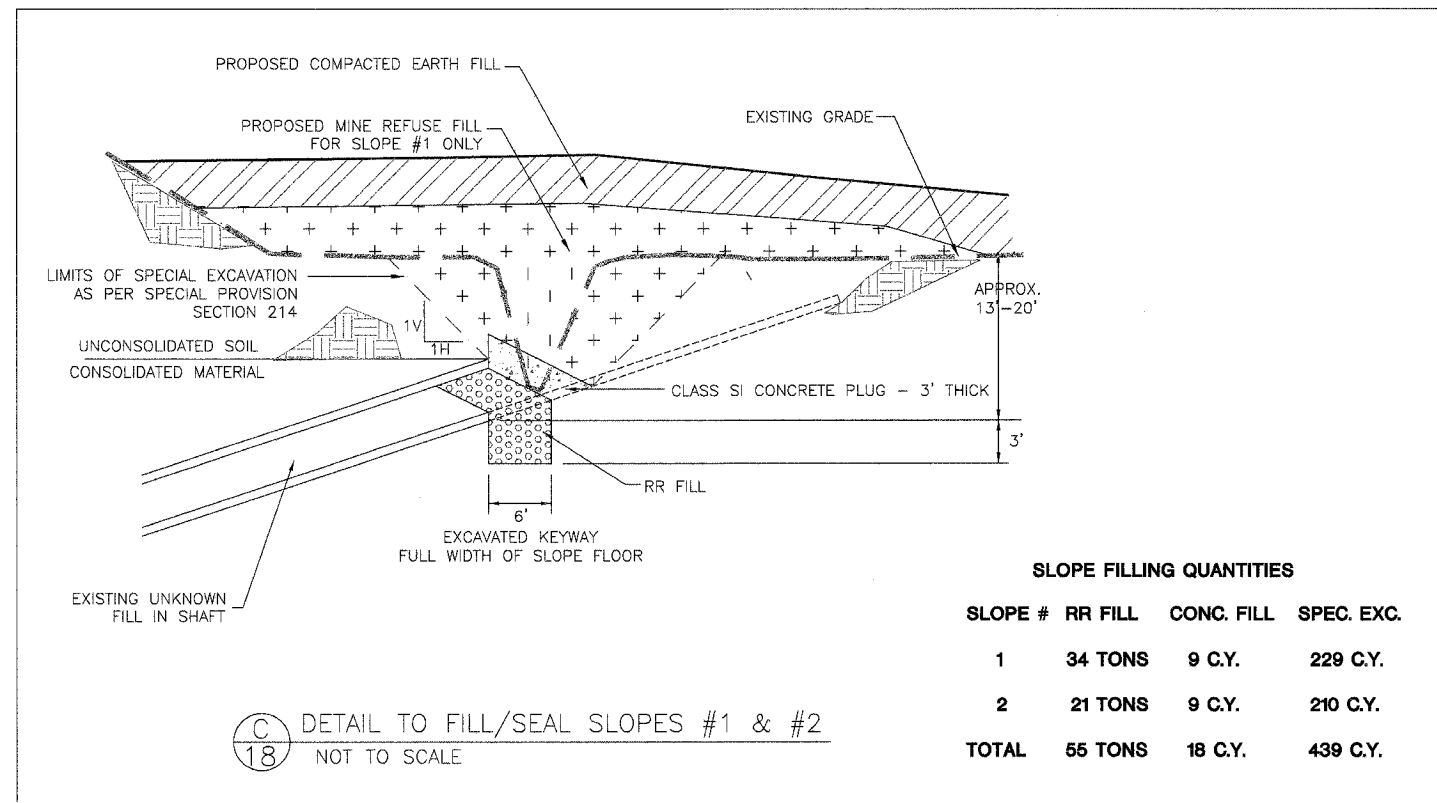
(A) DETAIL TO FILL/SEAL SINKHOLES 1, 3-5
18 NOT TO SCALE

SINKHOLE FILLING QUANTITIES

SINKHOLE #	EARTH EXC.	FURNISHED EXC.	RR FILL	CONC. FILL	SPEC. EXC.
1		1564 C.Y.	25 TON	20 C.Y.	872 C.Y.
2		90 C.Y.			
3		474 C.Y.	25 TON	20 C.Y.	522 C.Y.
4		262 C.Y.	25 TON	20 C.Y.	738 C.Y.
5	117 C.Y.	329 C.Y.	25 TON	20 C.Y.	315 C.Y.
TOTAL	117 C.Y.	2719 C.Y.	100 TON	80 C.Y.	2447 C.Y.



(B) DETAIL TO FILL SINKHOLE 2
18 NOT TO SCALE

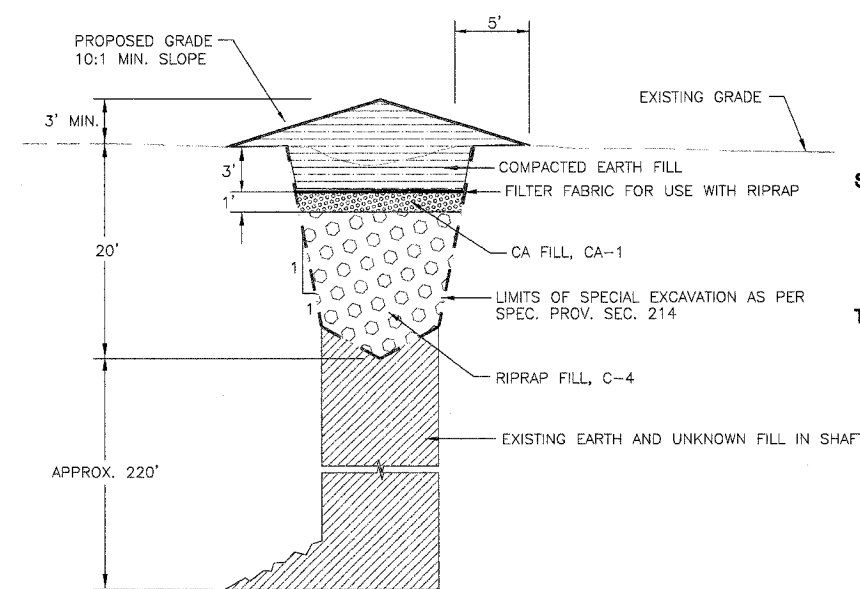


(C) DETAIL TO FILL/SEAL SLOPES #1 & #2
18 NOT TO SCALE

SLOPE FILLING QUANTITIES

SLOPE #	RR FILL	CONC. FILL	SPEC. EXC.
1	34 TONS	9 C.Y.	229 C.Y.
2	21 TONS	9 C.Y.	210 C.Y.
TOTAL	55 TONS	18 C.Y.	439 C.Y.

NOTE:
THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING IN THE AREA OF THE SHAFTS DUE TO THE UNKNOWN CONDITION OF THE SHAFTS AND THE UNKNOWN STABILITY OF THE AREA AROUND THE SHAFTS. THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE VOLUME OF SPECIAL EXCAVATION AND BACKFILLING MATERIALS REQUIRED. THE ENGINEER WILL MAKE THE DETERMINATION DURING CONSTRUCTION BASED ON THE EXACT CONDITIONS ENCOUNTERED DURING THE SPECIAL EXCAVATION PROCESS. AFTER INSTALLATION OF THE RIPRAP, THE CONTRACTOR SHALL TEMPORARILY FENCE THE EXCAVATION AND WAIT FOR 7 DAYS, PRIOR TO COMPLETION OF THE REMAINING FILL.



(D) SHAFT FILLING DETAIL
18 NOT TO SCALE

SHAFT FILLING QUANTITIES

SHAFT	RR FILL	CA-1 FILL	FABRIC	SPEC. EXC.
MAIN	937 TONS	119 TON	267 S.Y.	1204 C.Y.
AIR	937 TONS	119 TON	267 S.Y.	1240 C.Y.
TOTAL	1874 TONS	238 TON	534 S.Y.	2408 C.Y.

Drawn By: _____ M.T. _____
Date: _____ May, 2007
Checked By: _____