

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

Utica Mine and Cedar Point
Reclamation Project
AML-GLsE-0801
La Salle County
1LR

Utica Mine and Cedar Point
La Salle County



NOTE: A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT
AT 9:00 A.M., FRIDAY, APRIL 17, 2009 AT THE UTICA MINE
SITE IN UTICA, ILLINOIS.

SCHEDULE OF DRAWINGS:

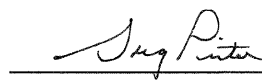
1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
3. Existing and Proposed Conditions - Cedar Point Mine
4. Existing and Proposed Conditions - Utica Mine
- 5-7. Cross-Sections - Utica Mine
8. Details
9. Construction Sign Detail

Prepared By IDNR Staff

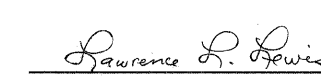
Approved for Bidding:


Joseph R. Angleton, Director
Office of Mines and Minerals

Approved By:


Greg Pinto, Acting 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
			Utica Mine	Cedar Point Mine	Total		
1	Special Clearing	201	.95	.05	1	L.S.	
2	Earth Excavation	202	23,104	-	23,104	C.Y.	Compaction in accord with SP 205
3	Special Excavation	214	664	440	1,104	C.Y.	
4	Earth Fill	216	-	52	52	C.Y.	From Off Site
5	CA-6 Fill	216	416	8,157	8,573	Ton	
6	Riprap Fill C-3	216	78	-	78	Ton	
7	CA-1 Fill	216	101	-	101	Ton	
8	Cement Grout	216	1,400	-	1,400	C.Y.	
9	Seeding	250	8.8	0.7	9.5	Acre	
10	Nitrogen Fertilizer Nutrient	250	1,056	84	1,140	Pound	120 Lbs./Acre
11	Phosphorous Fertilizer Nutrient	250	1,320	105	1,425	Pound	150 Lbs./Acre
12	Potassium Fertilizer Nutrient	250	2,200	175	2,375	Pound	250 Lbs./Acre
13	Agricultural Ground Limestone	250	17.6	1.4	19	Ton	2 Tons/Acre
14	Mulch, Method 2, Procedure 1	IDOT 251	8.8	0.7	9.5	Acre	
15	Mowing	258	8.8	0.7	9.5	Acre	May 1, 2010 to June 1, 2010
16	Perimeter Erosion Barrier-Silt Fence	280	347	-	347	Foot	
17	Stone Riprap A-3	IDOT 281	156	-	156	S.Y.	
18	Filter Fabric for use with Riprap	IDOT 282	156	-	156	S.Y.	
19	Aggregate Surface Course, Type B	IDOT 402	-	100	100	Ton	
20	Removal of Existing Structures	501	-	1	1	L.S.	
21	Mine Opening Marker	666	1	2	3	Each	
22	Mobilization (Max. 6% of Bid)	671	.7	.3	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

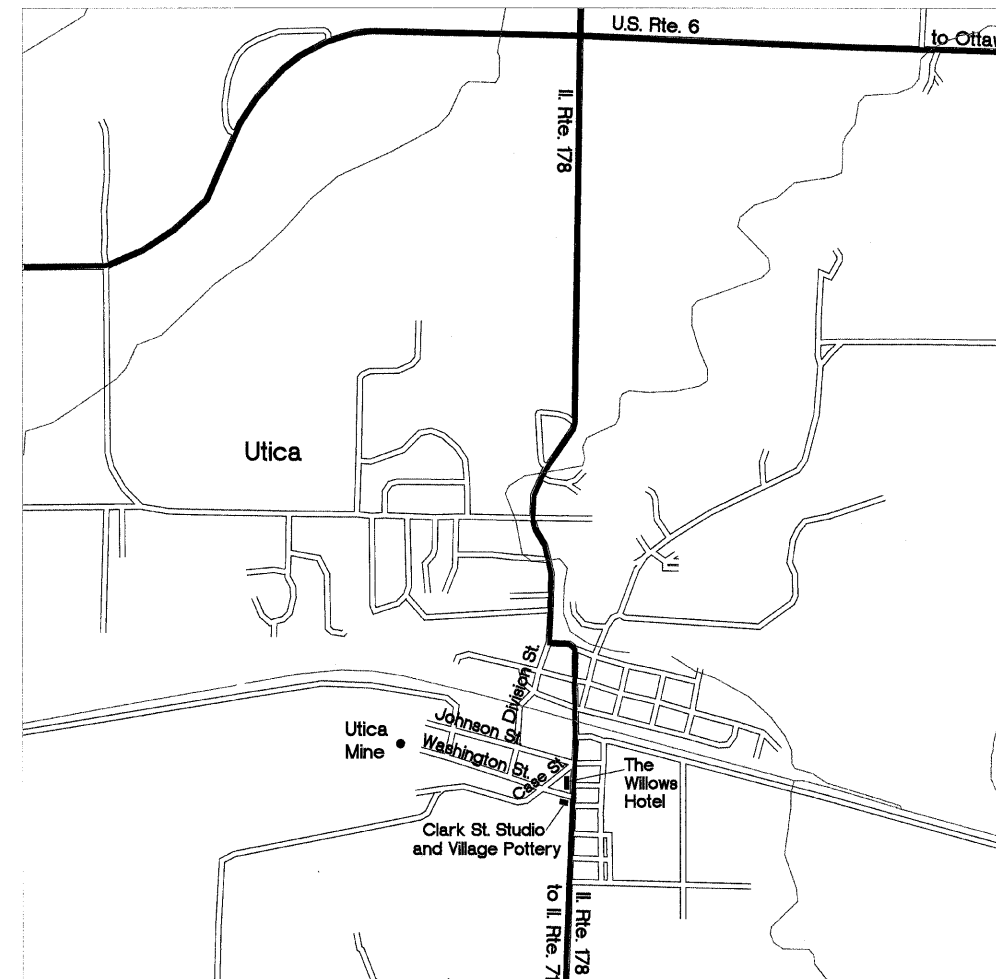
BURIAL/REMOVAL OF MATERIAL-Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special Provisions.

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

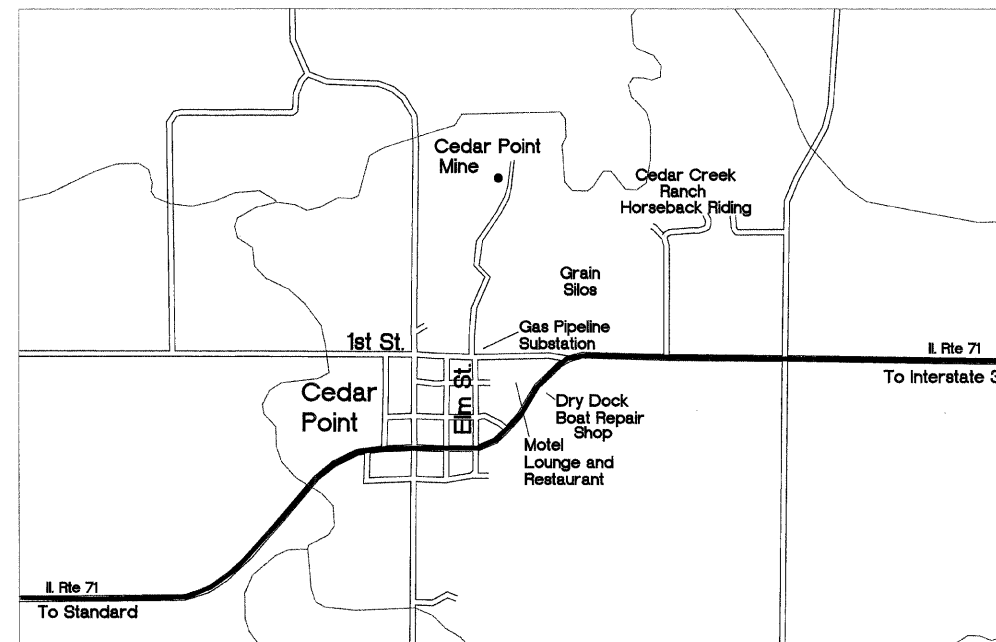
EROSION CONTROL-The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures 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.

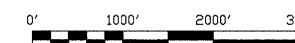
MULCHING-Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for method 2, procedure 1 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.



Utica Map



Cedar Point Map

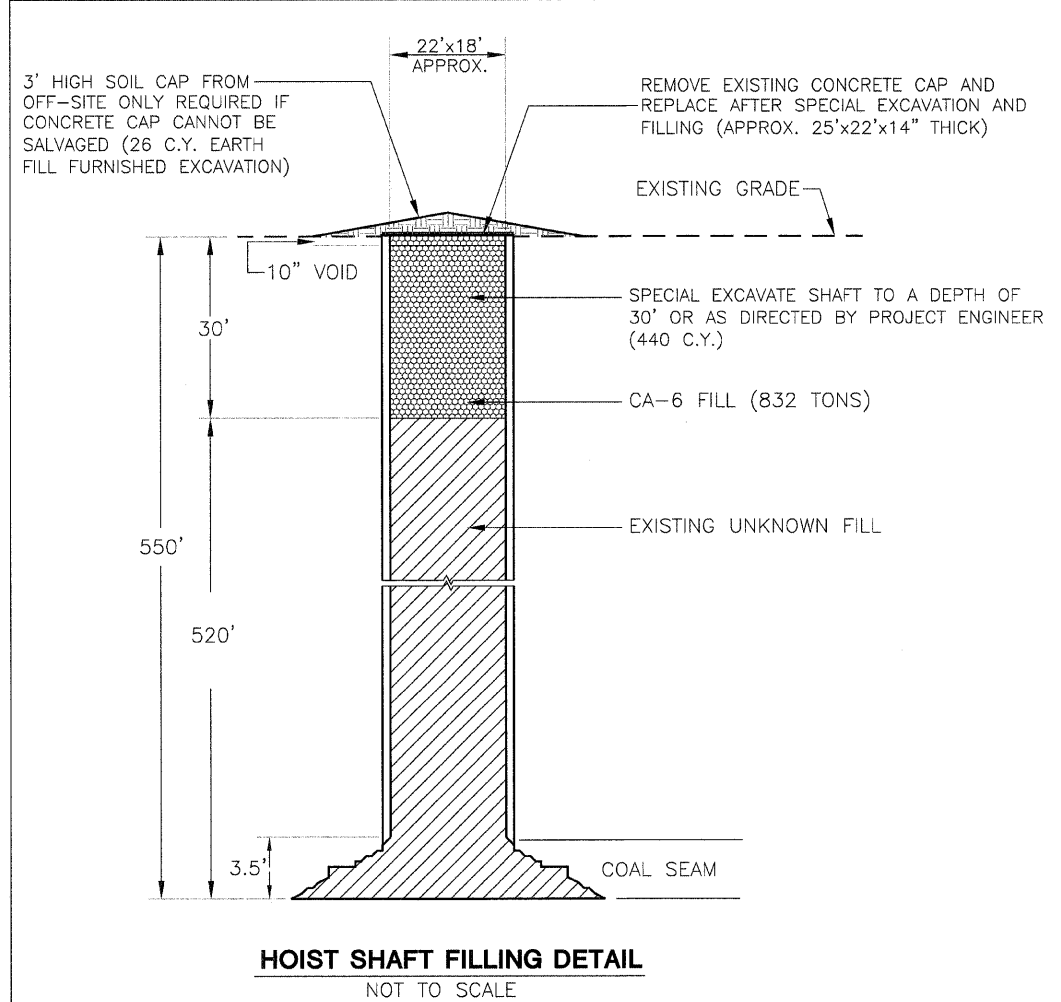
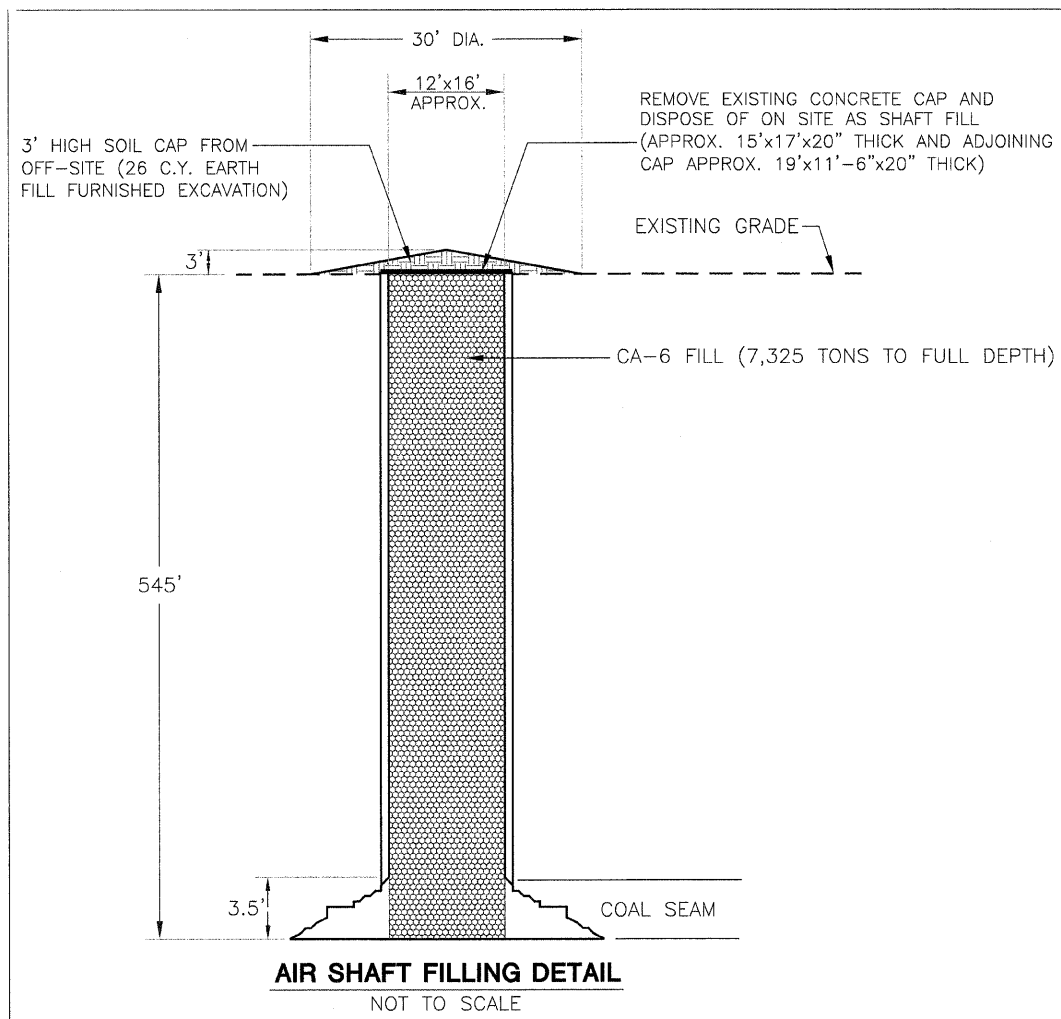
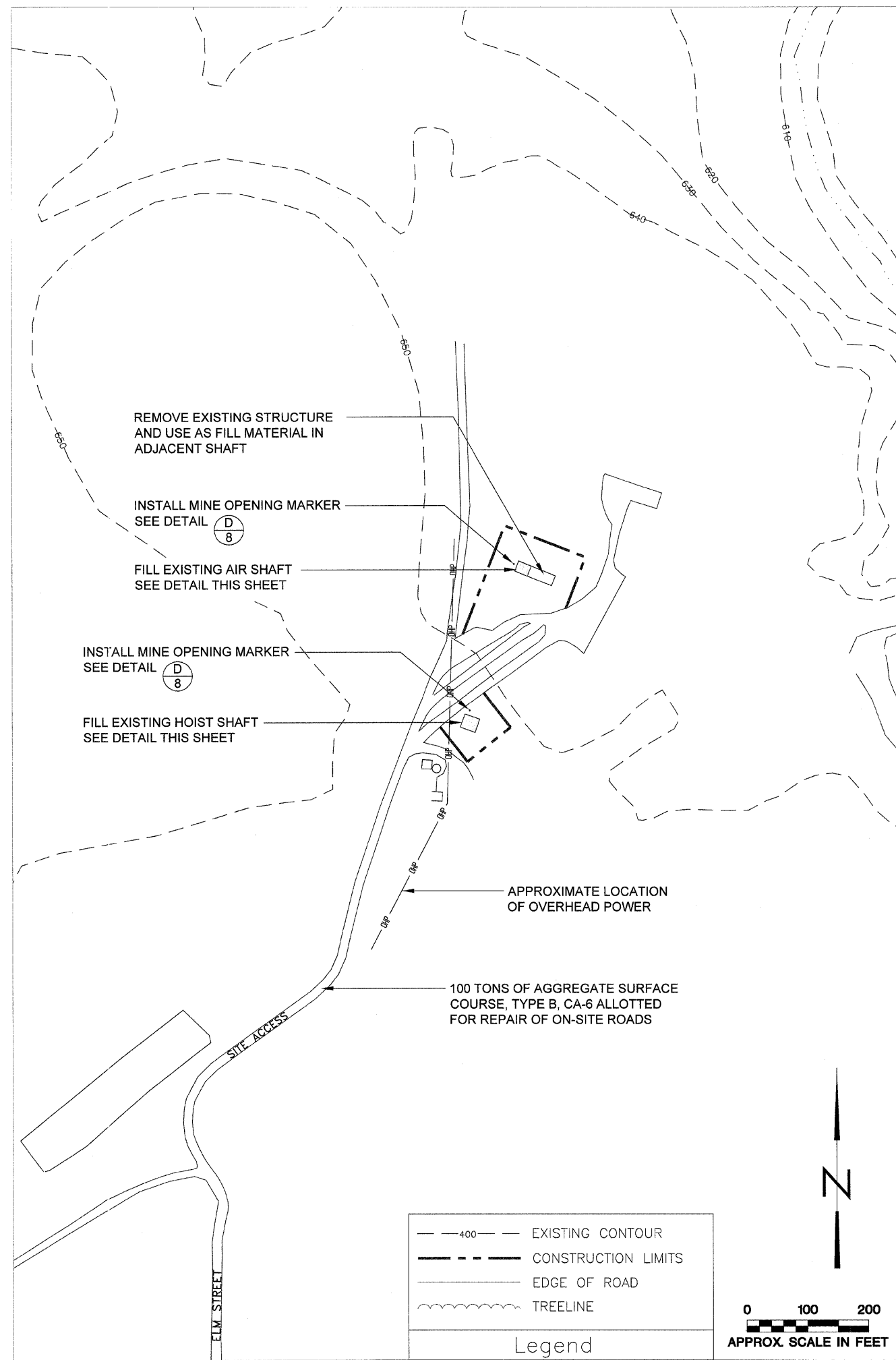


State of Illinois
Department of Natural Resources

Utica Mine and Cedar Point
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Drawn By: T.M., M-LF
Checked By: _____
Date: 3/11/2009

Summary of Quantities/
General Notes/Location Map
Sheet
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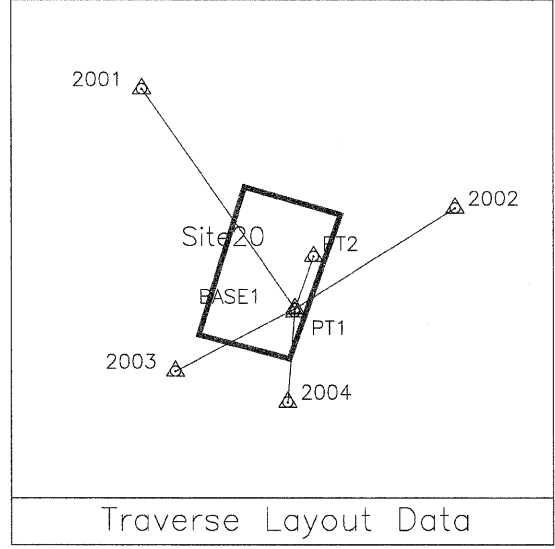
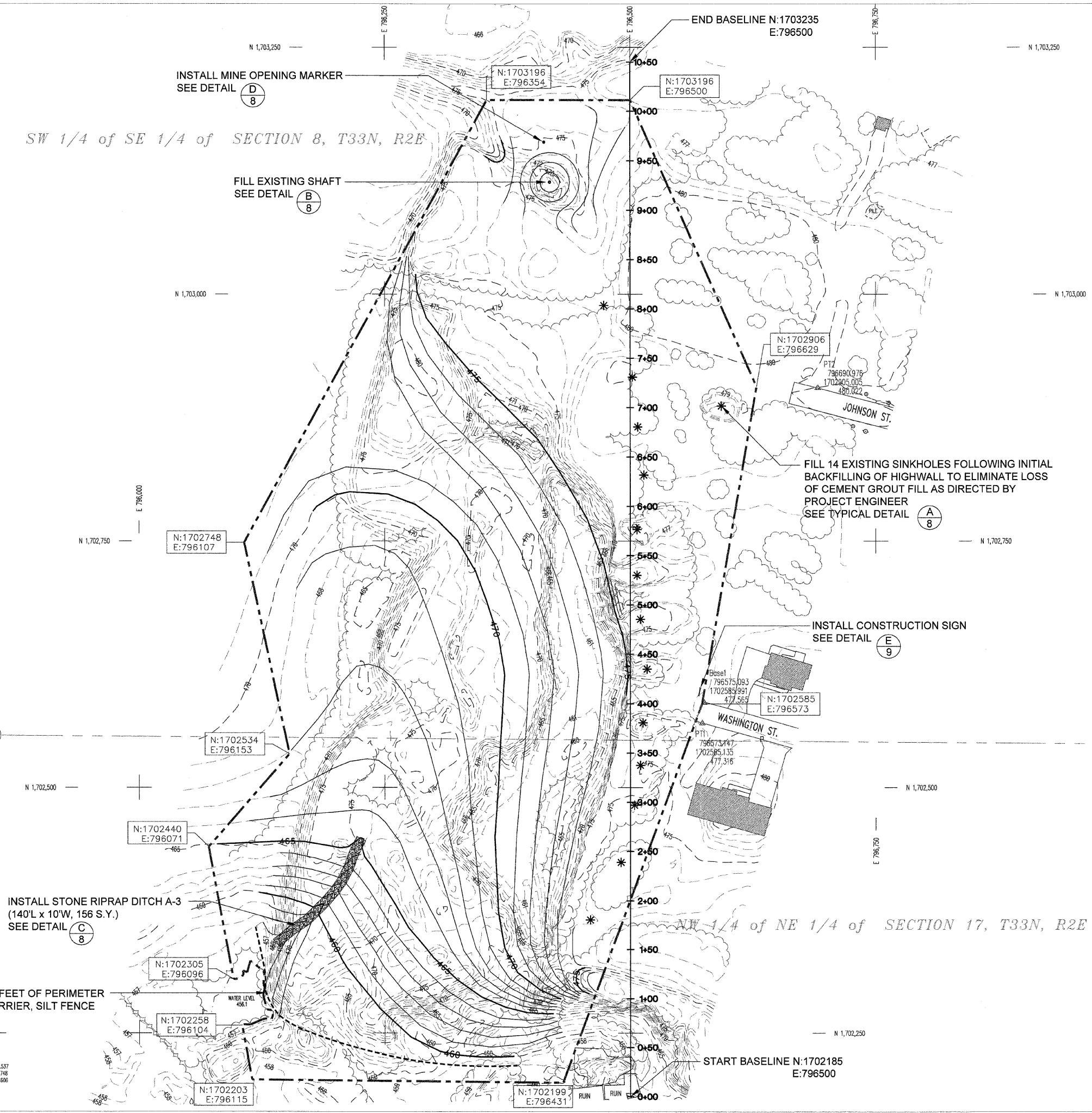


SPECIAL NOTE:
 THE DEPARTMENT RESERVES THE RIGHT TO SUBSTANTIALLY ADJUST PLAN QUANTITIES OF FILL MATERIALS IN THE SHAFTS AT NO CHANGE IN UNIT PRICE OR PENALTY AS A RESULT OF EXISTING CONDITIONS ENCOUNTERED AFTER THE CAPS HAVE BEEN REMOVED.

NOTE:
 DUE TO THE UNKNOWN CONDITIONS AND UNKNOWN STABILITY OF THE SHAFTS AND THE AREA AROUND THE SHAFTS, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN PERFORMING WORK NEAR THEM.

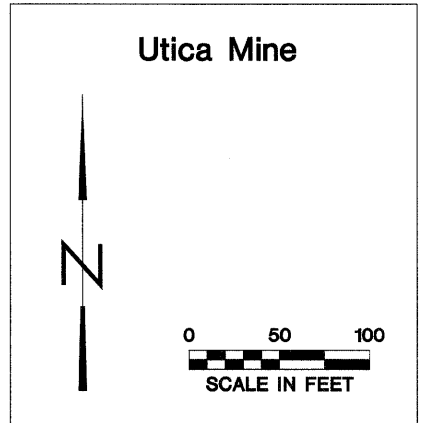
SW 1/4 of SE 1/4 of SECTION 8, T33N, R2E

END BASELINE N:1703235
E:796500



NOTE:
DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SHAFT AND SINKHOLES, 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.

--- 400 ---	EXISTING CONTOUR
— 405 —	PROPOSED CONTOUR
---	CONSTRUCTION LIMITS
---	EDGE OF ROAD
~~~~~	TREELINE
---	EDGE OF WATER
*	EXISTING SINKHOLES TO BE FILLED
△	SURVEY CONTROL POINT



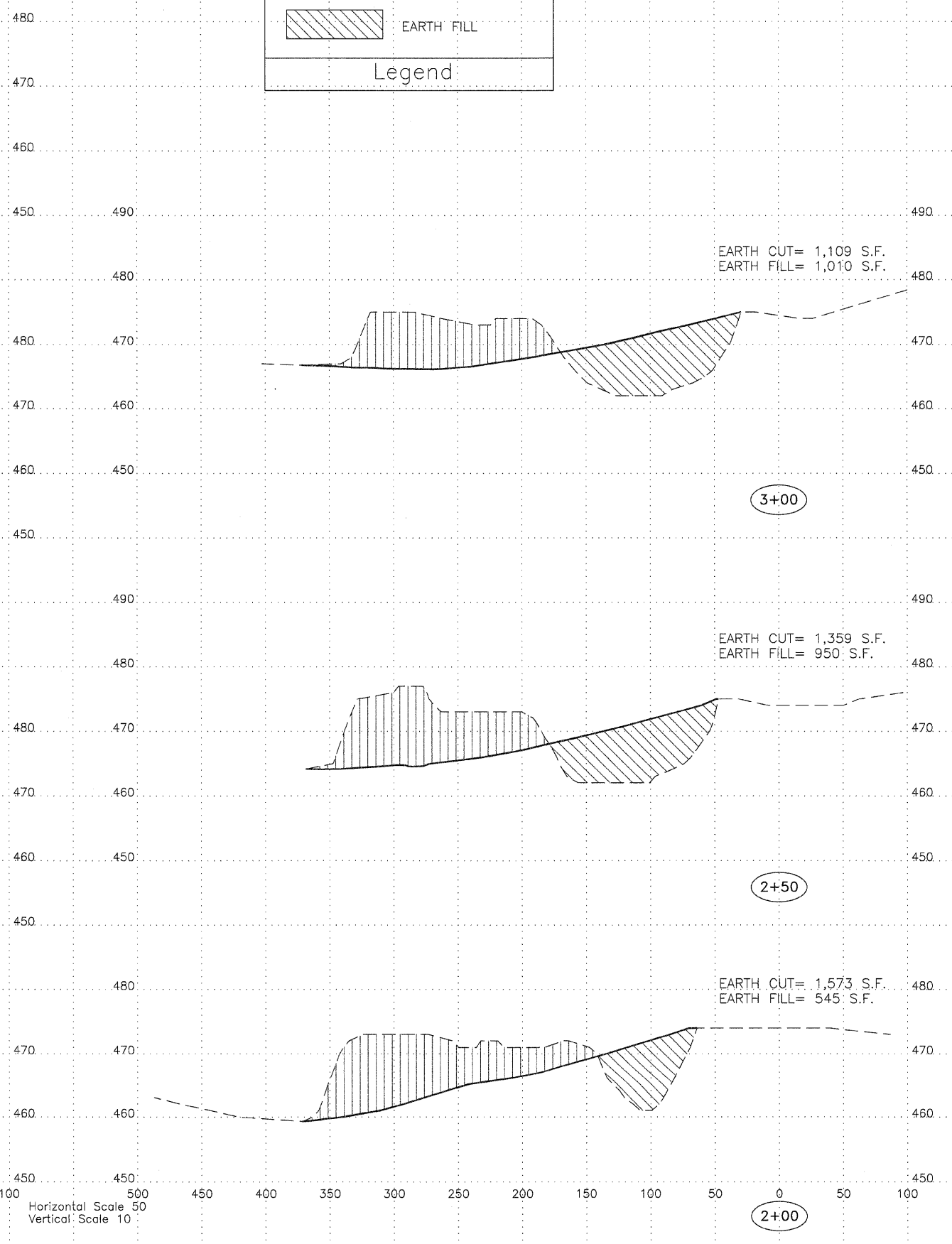
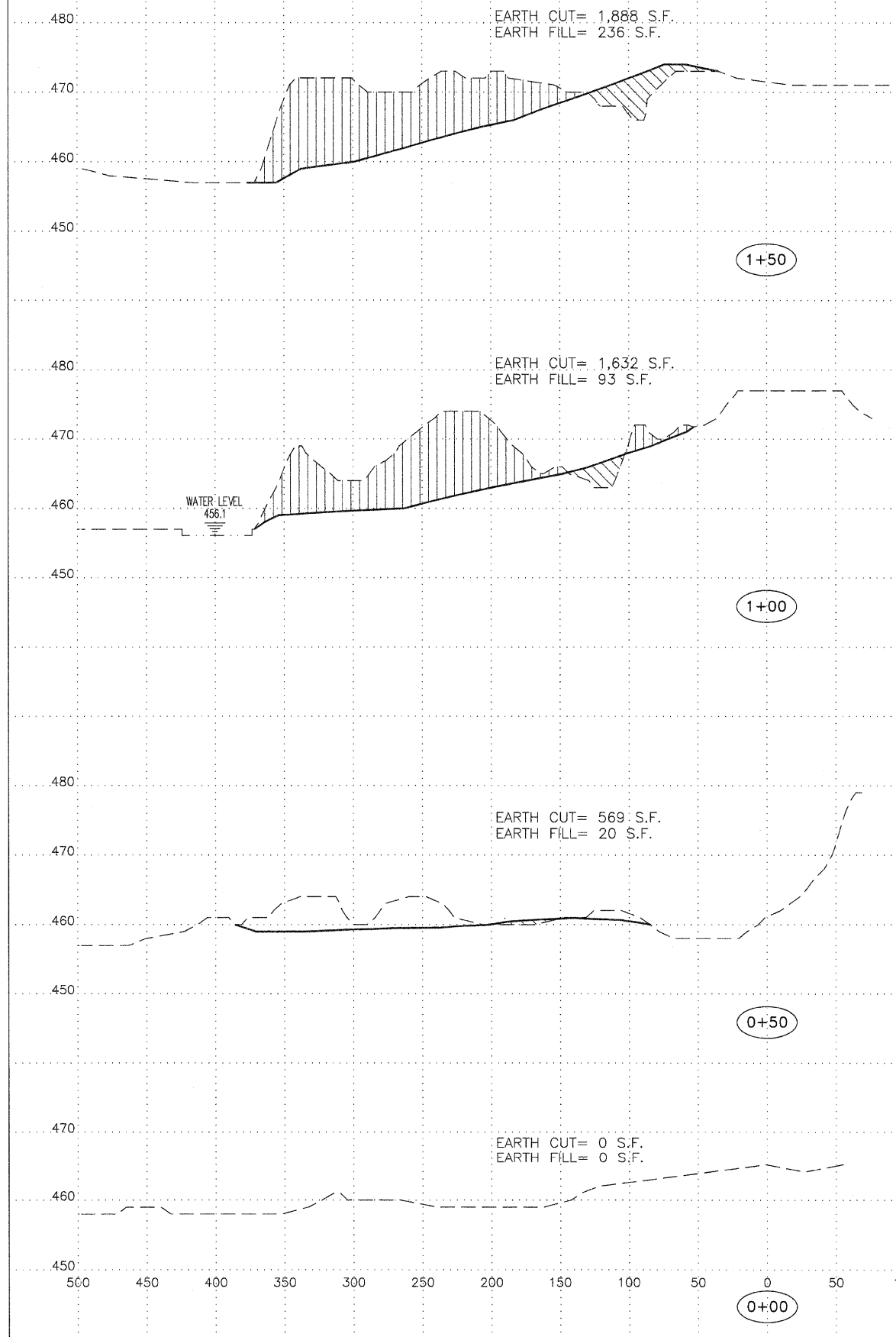
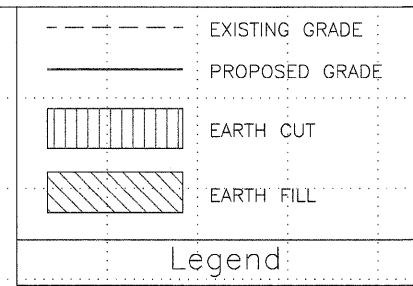
State of Illinois  
Department of Natural Resources

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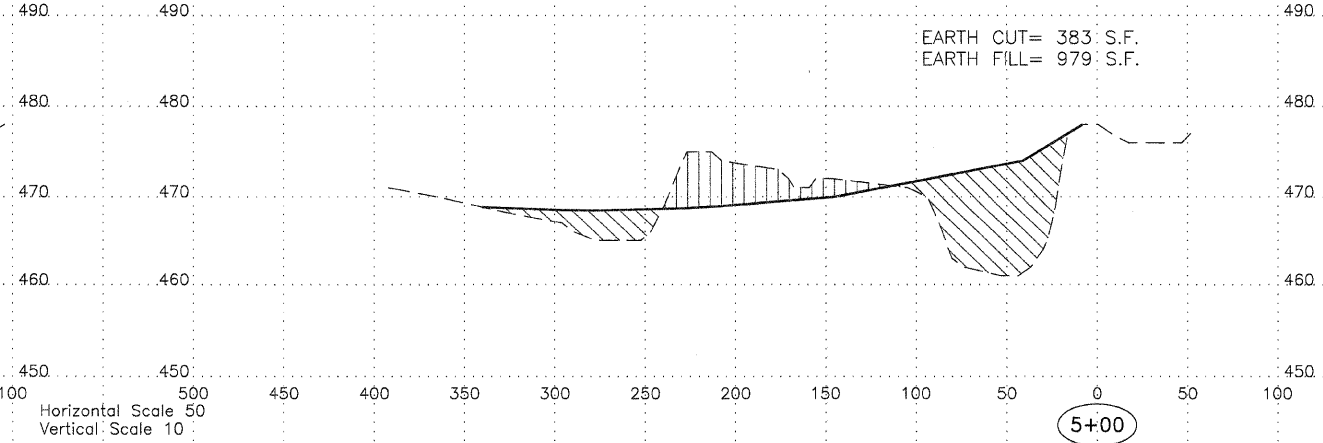
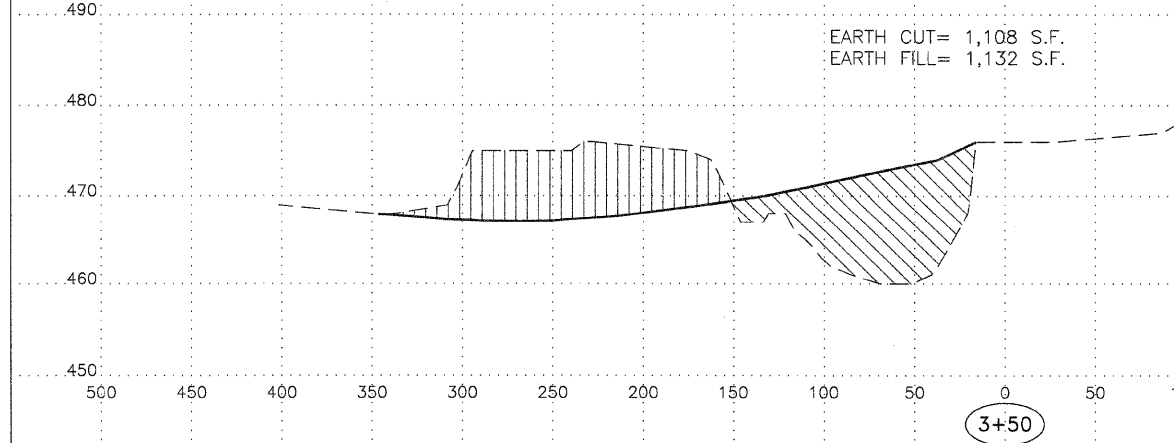
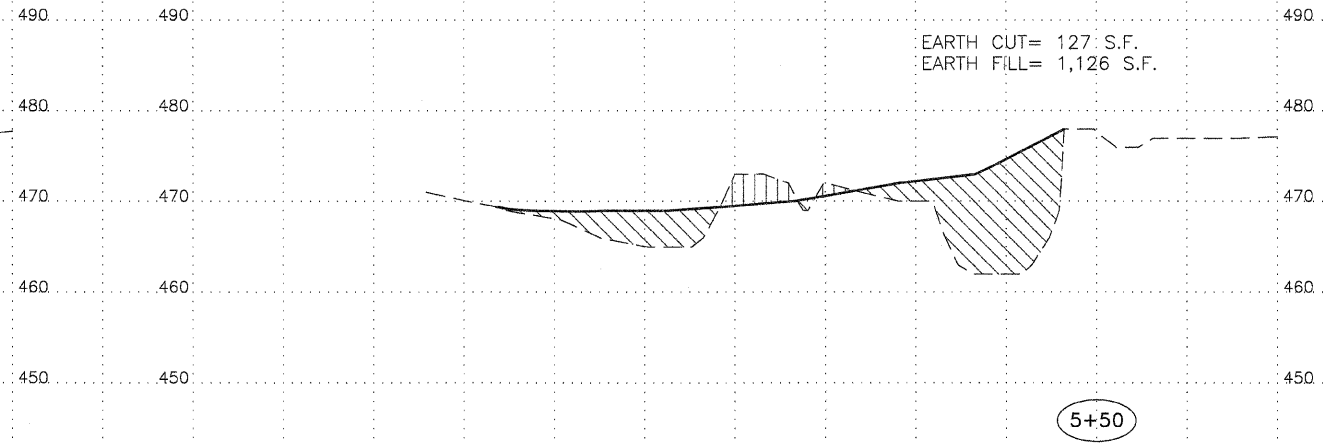
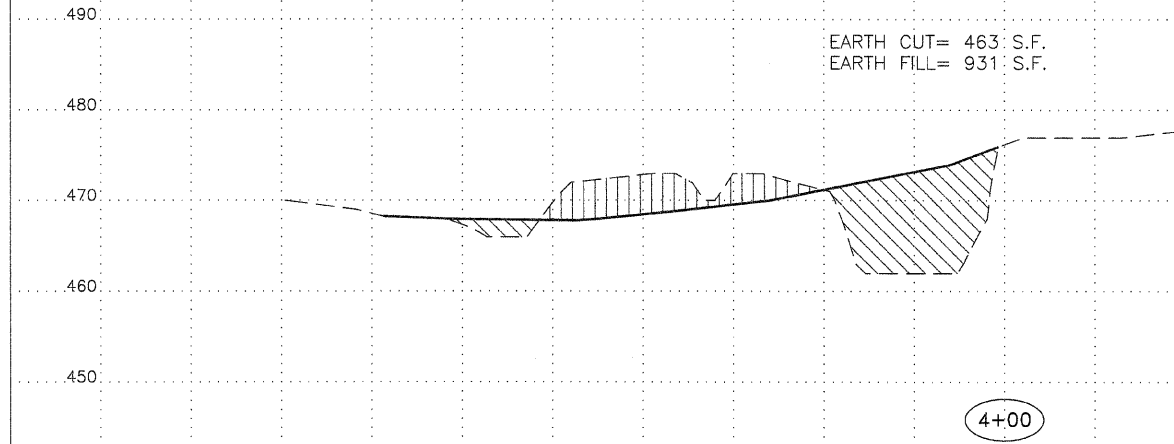
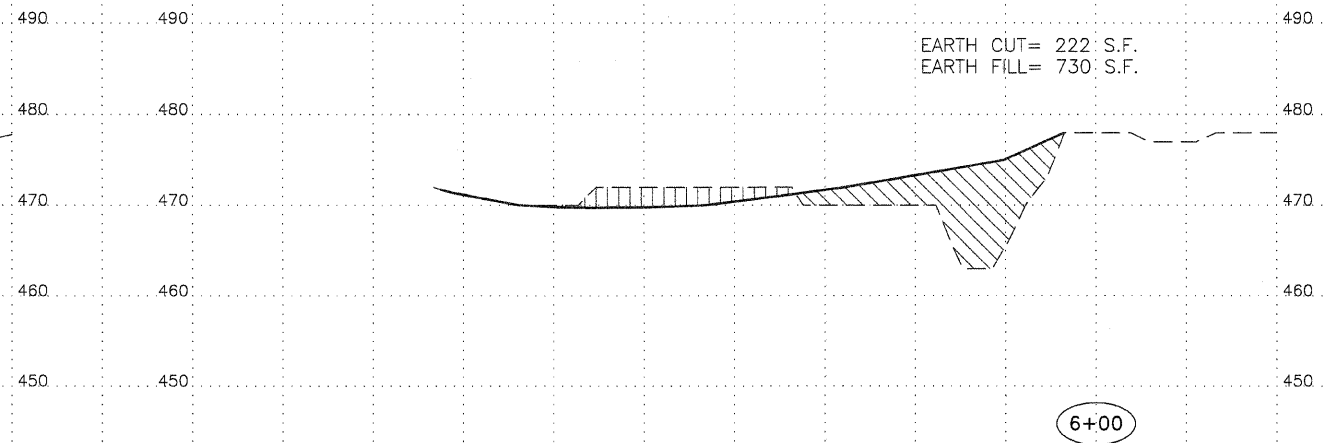
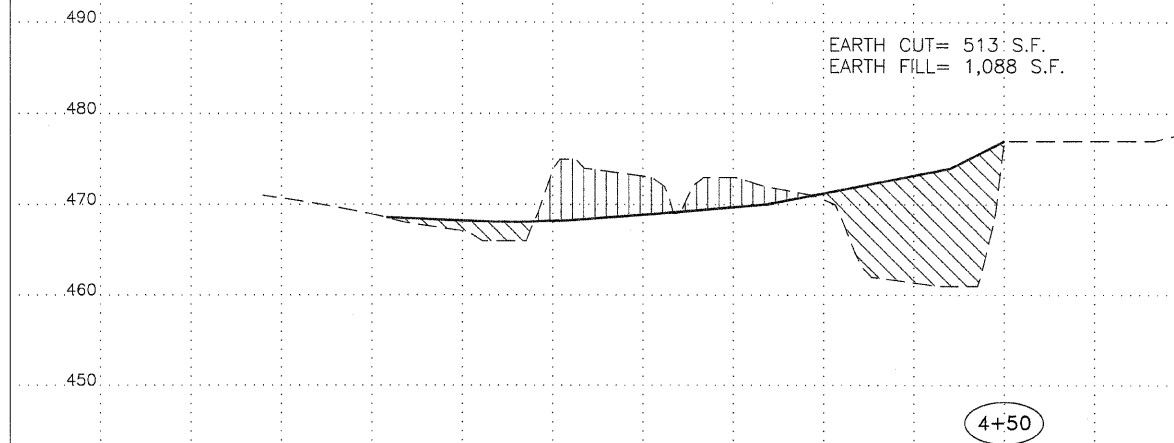
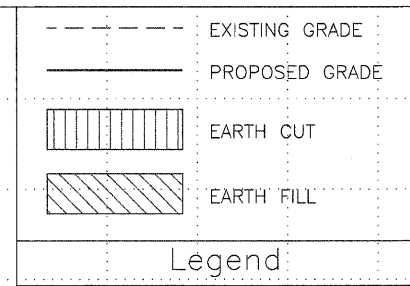
Drawn By: V.P., M-LF  
Checked By: _____  
Date: 3/10/2009

Existing & Proposed  
Conditions  
Sheet  
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Utica Mine & Cedar Point  
Reclamation Project  
AML-GLsE-0801  
La Salle County

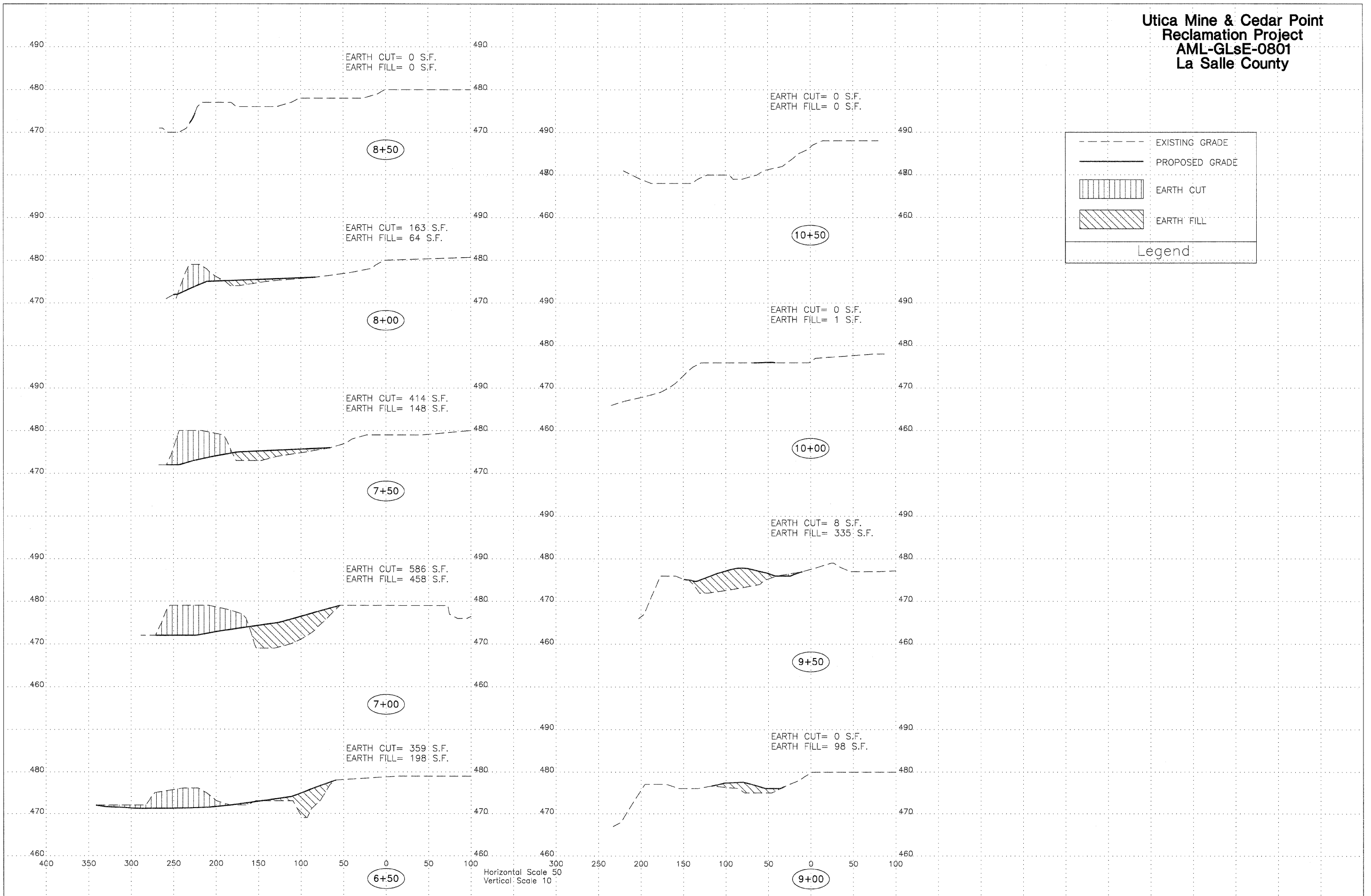


Horizontal Scale 50  
Vertical Scale 10

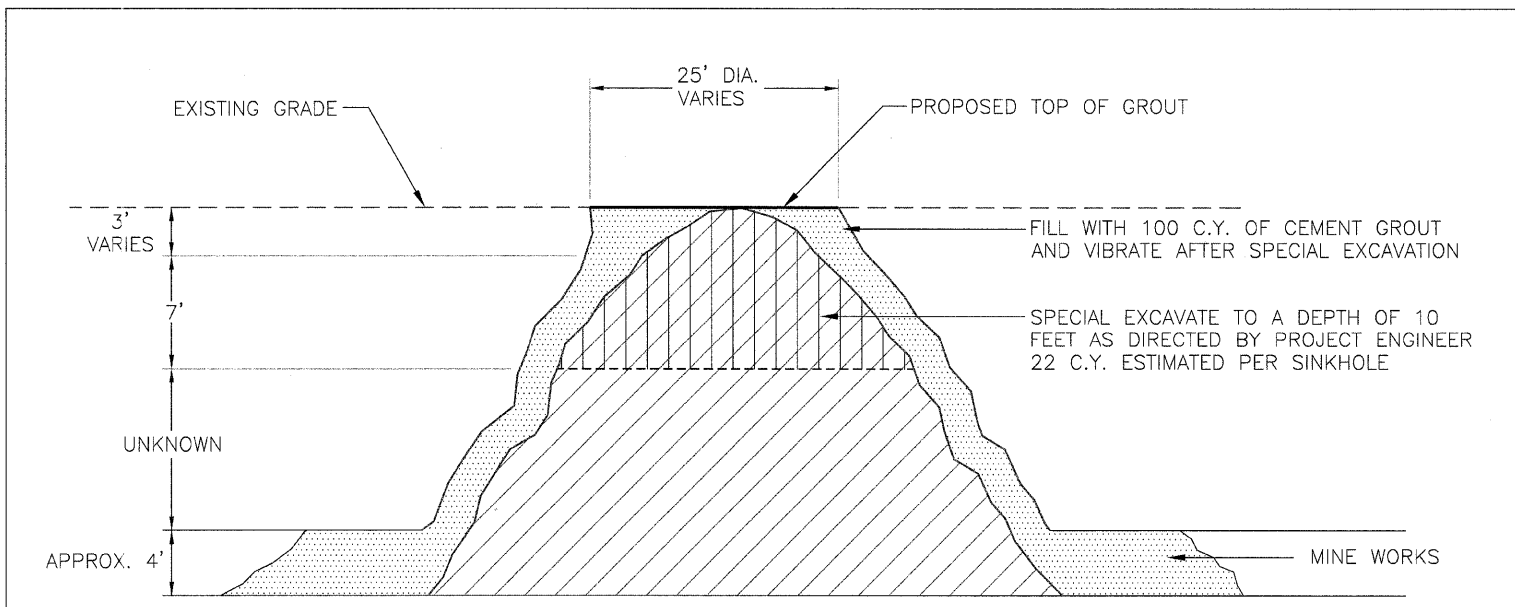


Horizontal Scale 50  
Vertical Scale 10

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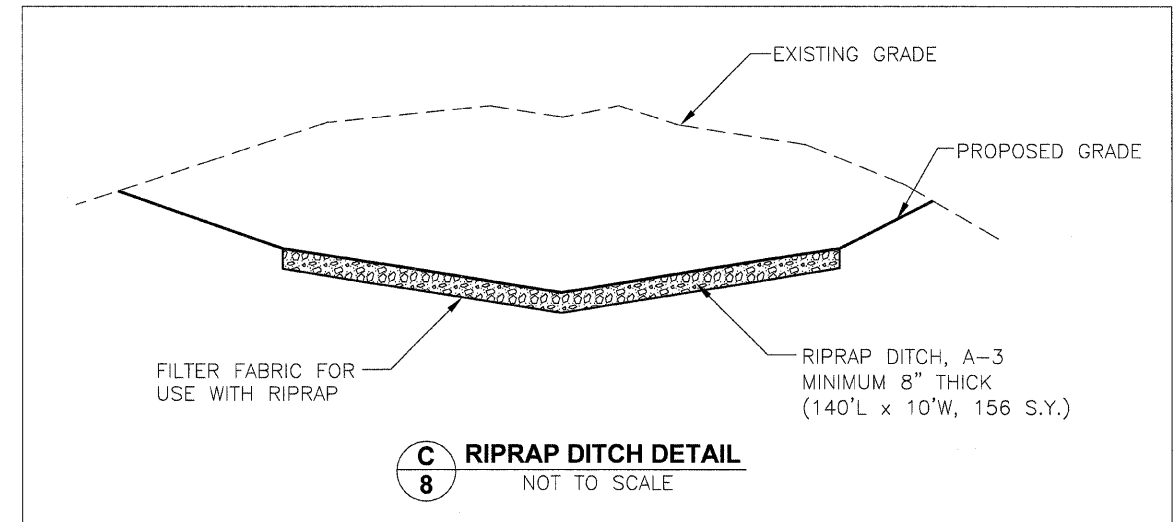


	EXISTING GRADE
	PROPOSED GRADE
	EARTH CUT
	EARTH FILL
Legend	



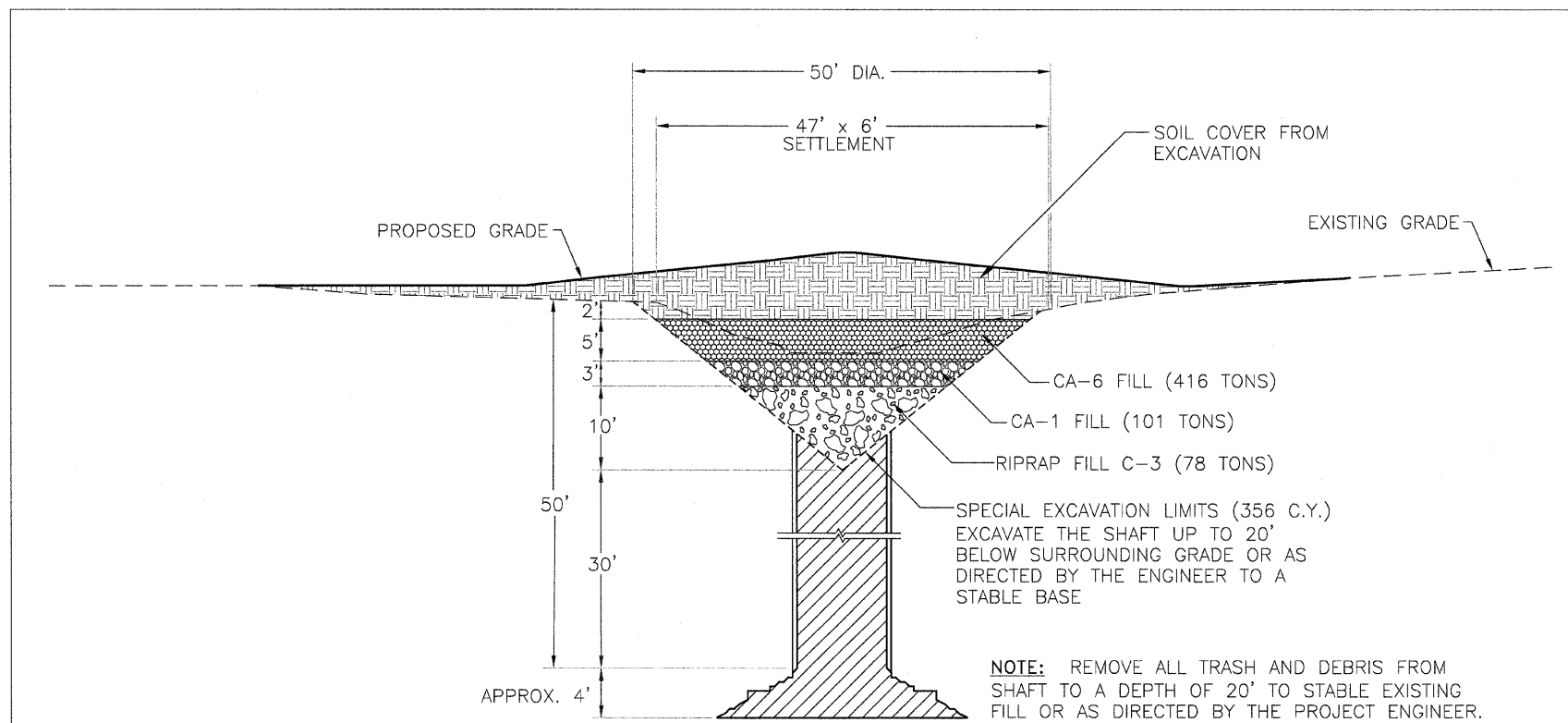
**A**  
**8** TYPICAL SINKHOLE FILLING  
NOT TO SCALE

**NOTE:** REMOVE ALL TRASH AND DEBRIS FROM SHAFT TO A DEPTH OF 10' OR AS DIRECTED BY PROJECT ENGINEER.



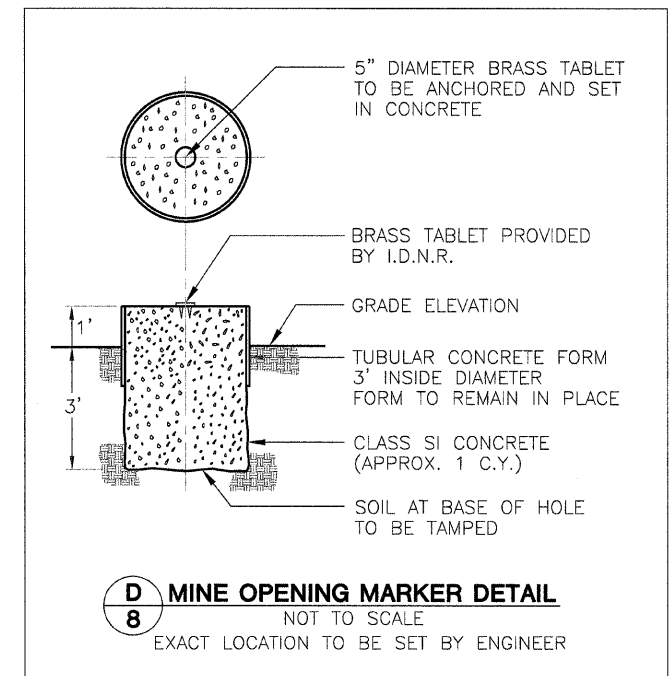
**C**  
**8** RIPRAP DITCH DETAIL  
NOT TO SCALE

**NOTE:** DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SHAFT AND SINKHOLES, 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.



**B**  
**8** SHAFT FILLING  
NOT TO SCALE

**NOTE:** REMOVE ALL TRASH AND DEBRIS FROM SHAFT TO A DEPTH OF 20' TO STABLE EXISTING FILL OR AS DIRECTED BY THE PROJECT ENGINEER. ANY EXCESS EARTH GENERATED DURING SPECIAL EXCAVATION TO BE DISPOSED OF ON SITE AS DIRECTED BY PROJECT ENGINEER.




**D**  
**8** MINE OPENING MARKER DETAIL  
NOT TO SCALE  
EXACT LOCATION TO BE SET BY ENGINEER



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.

**E**  
**9** CONSTRUCTION SIGN DETAIL

State of Illinois  
Department of Natural Resources

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Drawn By: M-LF  
Checked By:  
Date: 2/6/2009

Existing & Proposed  
Conditions  
Sheet  
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