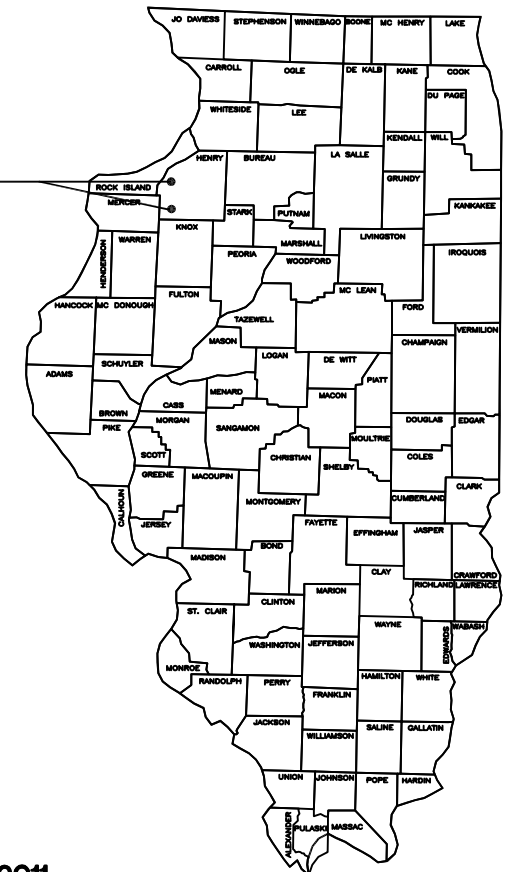


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands

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

Alpha and Briar Bluff Mine Group
 Reclamation Project
 AML-GHeE-0901
 Henry County
 1 LR

Alpha Mine Group
 Henry County



Pre-Bid Meeting:


A pre-bid meeting is scheduled for this project at 10:00 A.M., Friday, June 10, 2011,
 at the Alpha Mine Site on N 450 Ave.

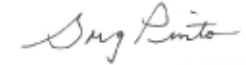
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SCHEDULE OF DRAWINGS:


1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
3. Existing & Proposed Conditions - Briar Bluff Mining
- 4-7. Existing & Proposed Conditions - Alpha Mine
8. Details

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
			Alpha Mine	Briar Bluff	Total		
1	Special Clearing	201	0.8	0.2	1	L.S.	
2	Earth Excavation	202	1,116	—	1,116	C.Y.	
3	Mine Refuse Excavation	202	286	—	286	C.Y.	
4	Special Excavation	214	310	1,053	1,363	C.Y.	
5	Riprap Fill C-3	216	491	232	723	Ton	
6	CA-1 Fill	216	291	183	474	Ton	
7	CA-6 Fill	216	1,402	1,310	2,712	Ton	
8	Seeding	250	2	—	2	Acre	1
9	Nitrogen Fertilizer Nutrient	250	240	—	240	Pound	120 lbs./Acre
10	Phosphorous Fertilizer Nutrient	250	200	—	200	Pound	100 lbs./Acre
11	Potassium Fertilizer Nutrient	250	700	—	700	Pound	350 lbs./Acre
12	Agricultural Ground Limestone	250	4	—	4	Ton	2 Tons/Acre
13	Mulch, Method 2, Procedure 1	IDOT 251	2	—	2	Acre	2 Tons/Acre
14	Mine Refuse Treatment Limestone	255	0.2	—	0.2	Ton	20 Tons/Acre
15	Aggregate Surface Course Type B, CA-6	IDOT 402	200	—	200	Ton	Allowed for access road repair at the Alpha Mine site
16	Removal of Existing Structures	501	1	—	1	L.S.	
17	Mine Opening Marker	666	2	—	2	Each	
18	Mobilization (Max. 6% of Bid)	671	0.7	0.3	1	L.S.	

SPECIAL NOTE

All work on existing sink holes at the Briar Bluff and Alpha Mine sites is to be scheduled after the agricultural crops have been harvested to avoid crop damages. Any damages to existing crops will be at the contractor's expense.

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.

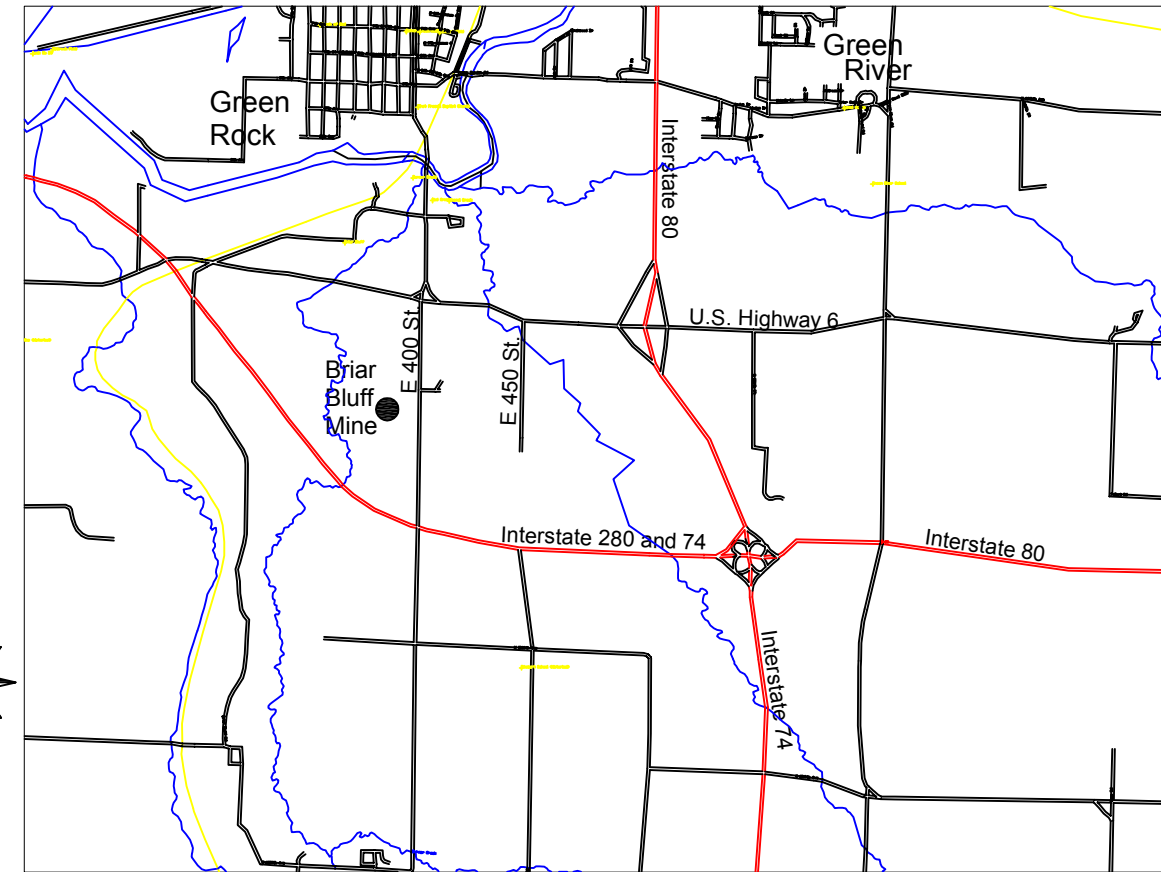
TREE REMOVAL—Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

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.

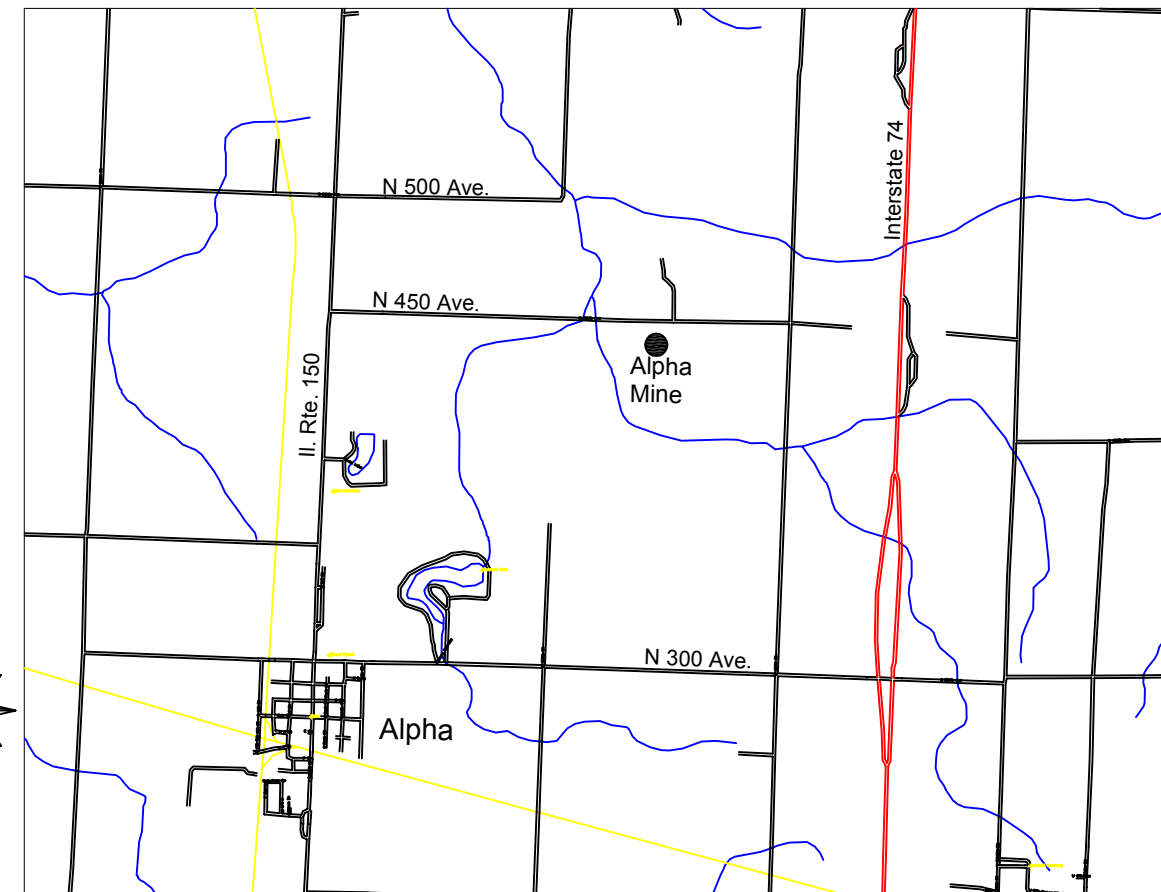
AGRICULTURAL GROUND LIMESTONE—Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

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.

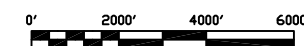
MINE REFUSE TREATMENT—After mine refuse has been graded to the subgrade shown in the plans, agricultural ground limestone shall be uniformly spread at the rate specified in the plans. A 3 inch layer of soil shall then be spread over the mine refuse treatment area and blended to a depth of 6 inches with an industrial offset disk approved by the engineer. Treated areas shall then be covered with 21 inches of soil.



Briar Bluff - Location Map



Alpha Mine - Location Map

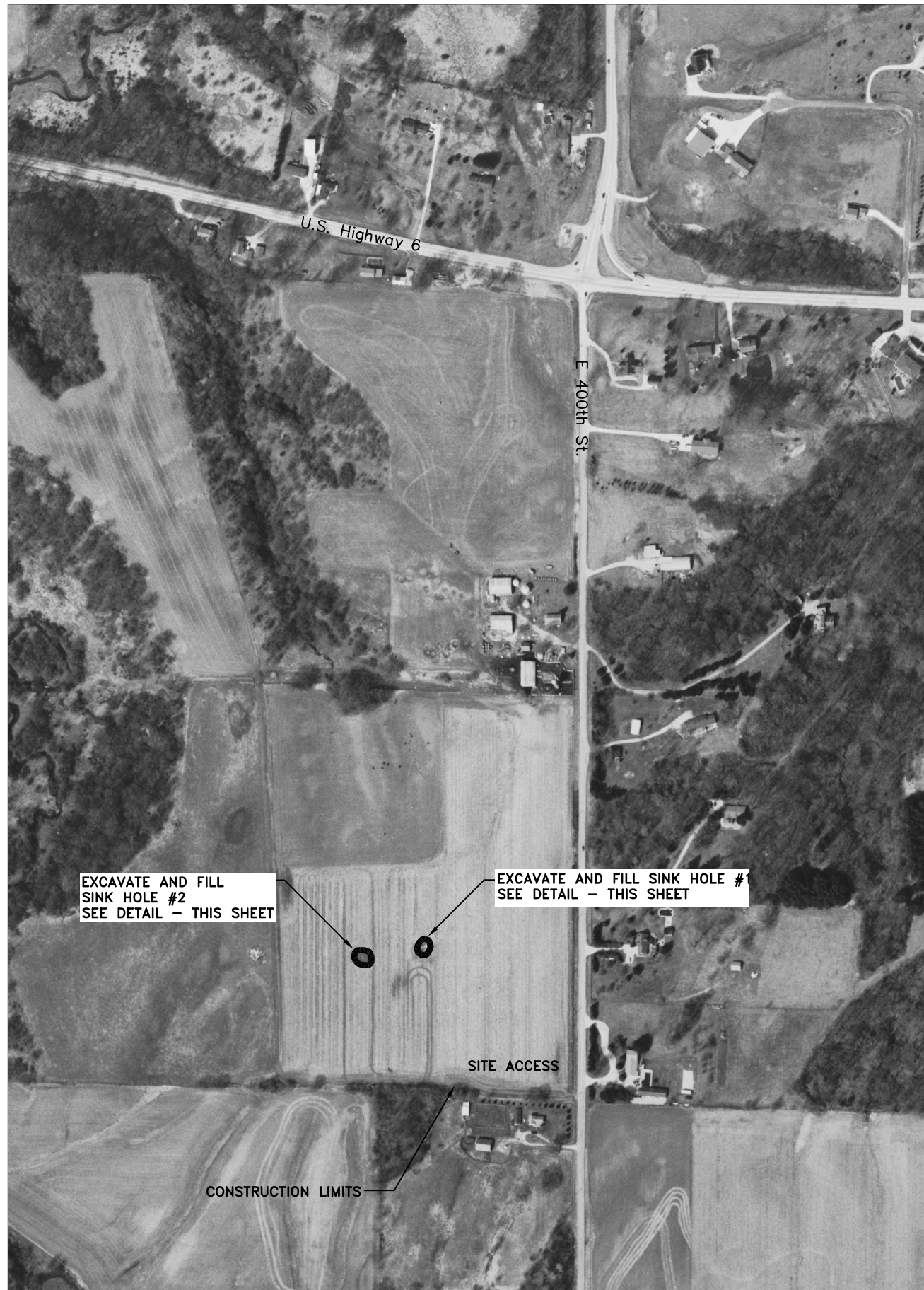


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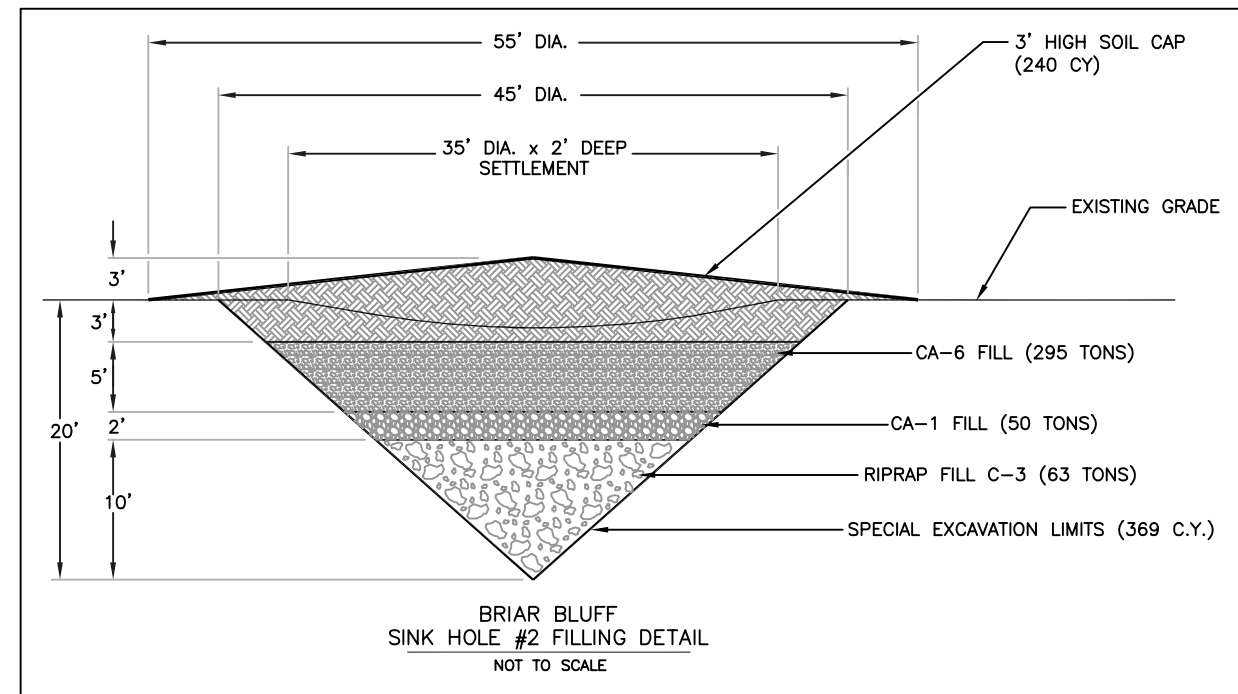
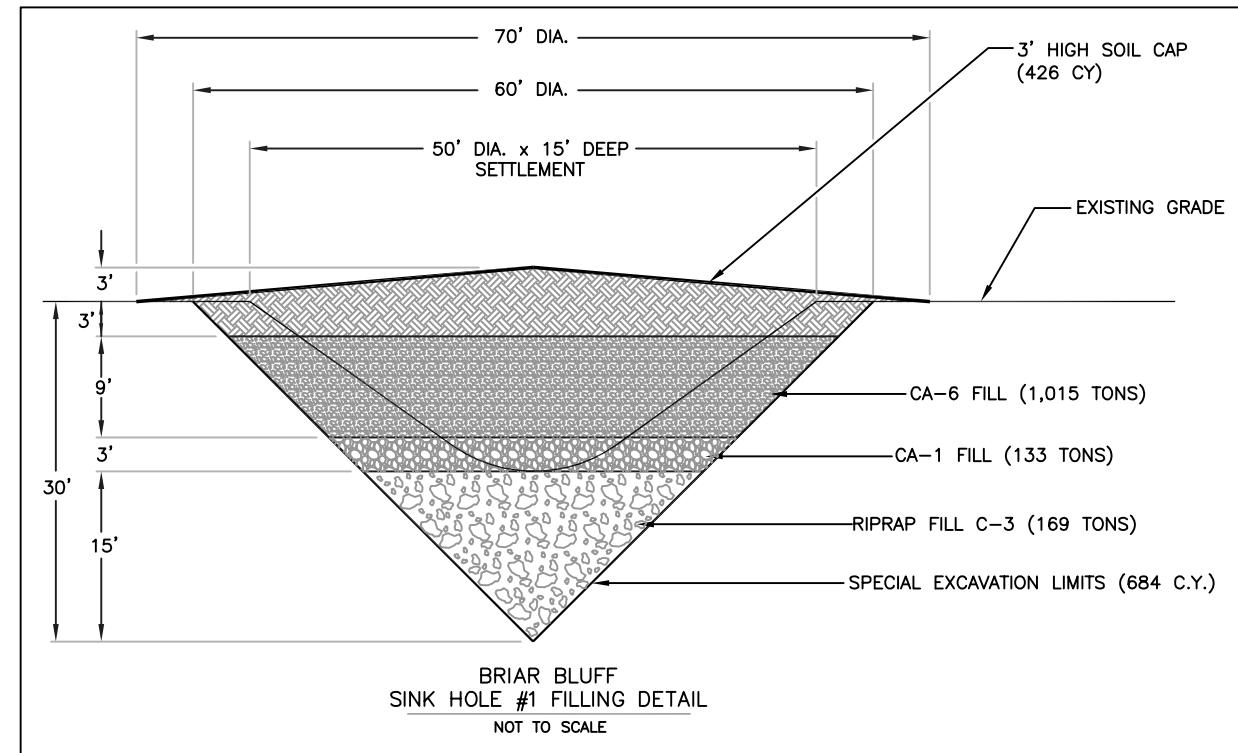
Alpha and Briar Bluff Mine
Group Reclamation Project
AML-GHeE-0901
Henry County

Drawn By: T.M.
Checked By:
Date: 5/2/2011

Summary of Quantities/
General Notes/Location Map
Sheet
2 of 8

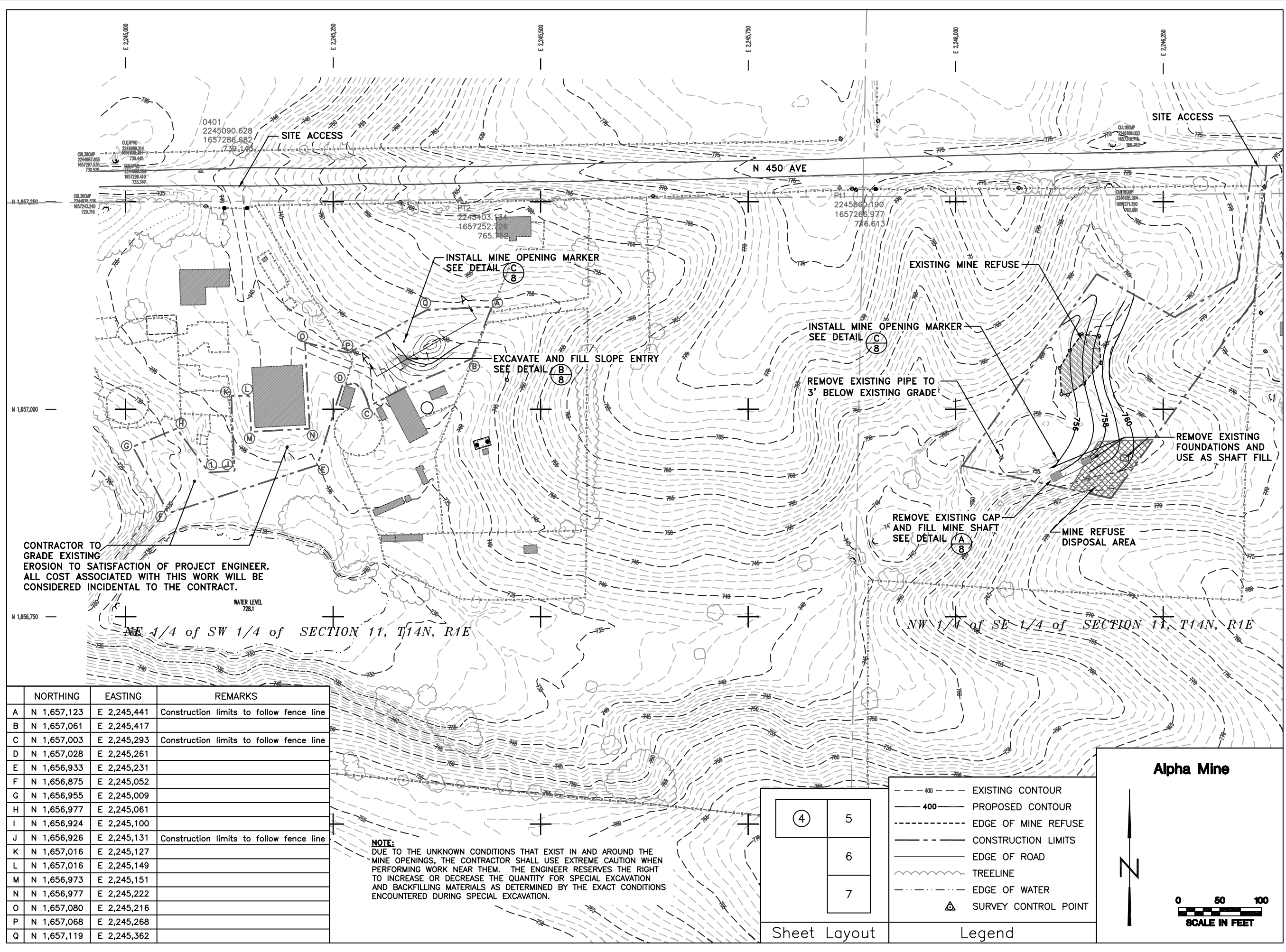


Briar Bluff Mining - Sink Holes



NOTE:
DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SINK HOLES, 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.

SPECIAL NOTE:
AT THE COMPLETION OF ALL WORK ASSOCIATED WITH SINK HOLE FILLING THE CONTRACTOR WILL DISC ALL DISTURBED AREAS WITHIN THE TILLED AGRICULTURAL FIELD TO THE SATISFACTION OF THE PROJECT ENGINEER. (MINIMUM 2 PASSES REQUIRED) ALL COST ASSOCIATED WITH THIS WORK WILL BE INCIDENTAL TO THE CONTRACT.



CONTRACTOR TO GRADE EXISTING EROSION TO SATISFACTION OF PROJECT ENGINEER. ALL COST ASSOCIATED WITH THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

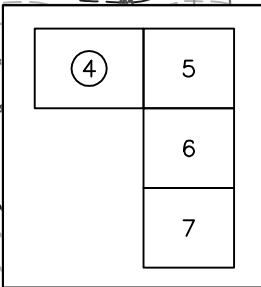
WATER LEVEL 728.1

NE 1/4 of SW 1/4 of SECTION 11, T14N, R1E

NW 1/4 of SE 1/4 of SECTION 11, T14N, R1E

NOTE:
DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE MINE OPENINGS, 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.

	NORTHING	EASTING	REMARKS
A	N 1,657,123	E 2,245,441	Construction limits to follow fence line
B	N 1,657,061	E 2,245,417	
C	N 1,657,003	E 2,245,293	Construction limits to follow fence line
D	N 1,657,028	E 2,245,261	
E	N 1,656,933	E 2,245,231	
F	N 1,656,875	E 2,245,052	
G	N 1,656,955	E 2,245,009	
H	N 1,656,977	E 2,245,061	
I	N 1,656,924	E 2,245,100	
J	N 1,656,926	E 2,245,131	Construction limits to follow fence line
K	N 1,657,016	E 2,245,127	
L	N 1,657,016	E 2,245,149	
M	N 1,656,973	E 2,245,151	
N	N 1,656,977	E 2,245,222	
O	N 1,657,080	E 2,245,216	
P	N 1,657,068	E 2,245,268	
Q	N 1,657,119	E 2,245,362	



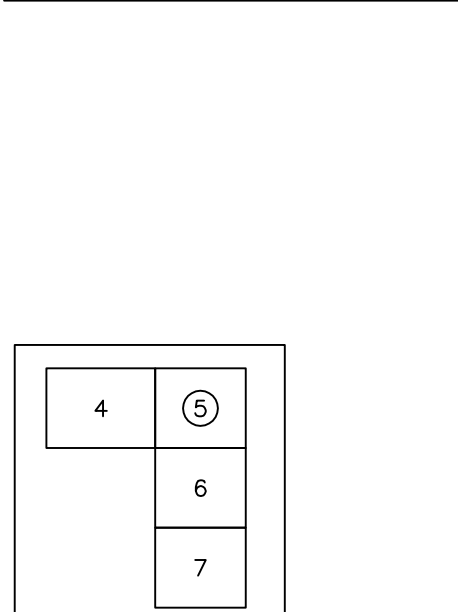
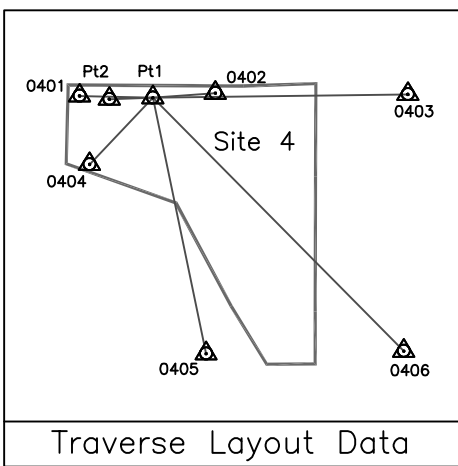
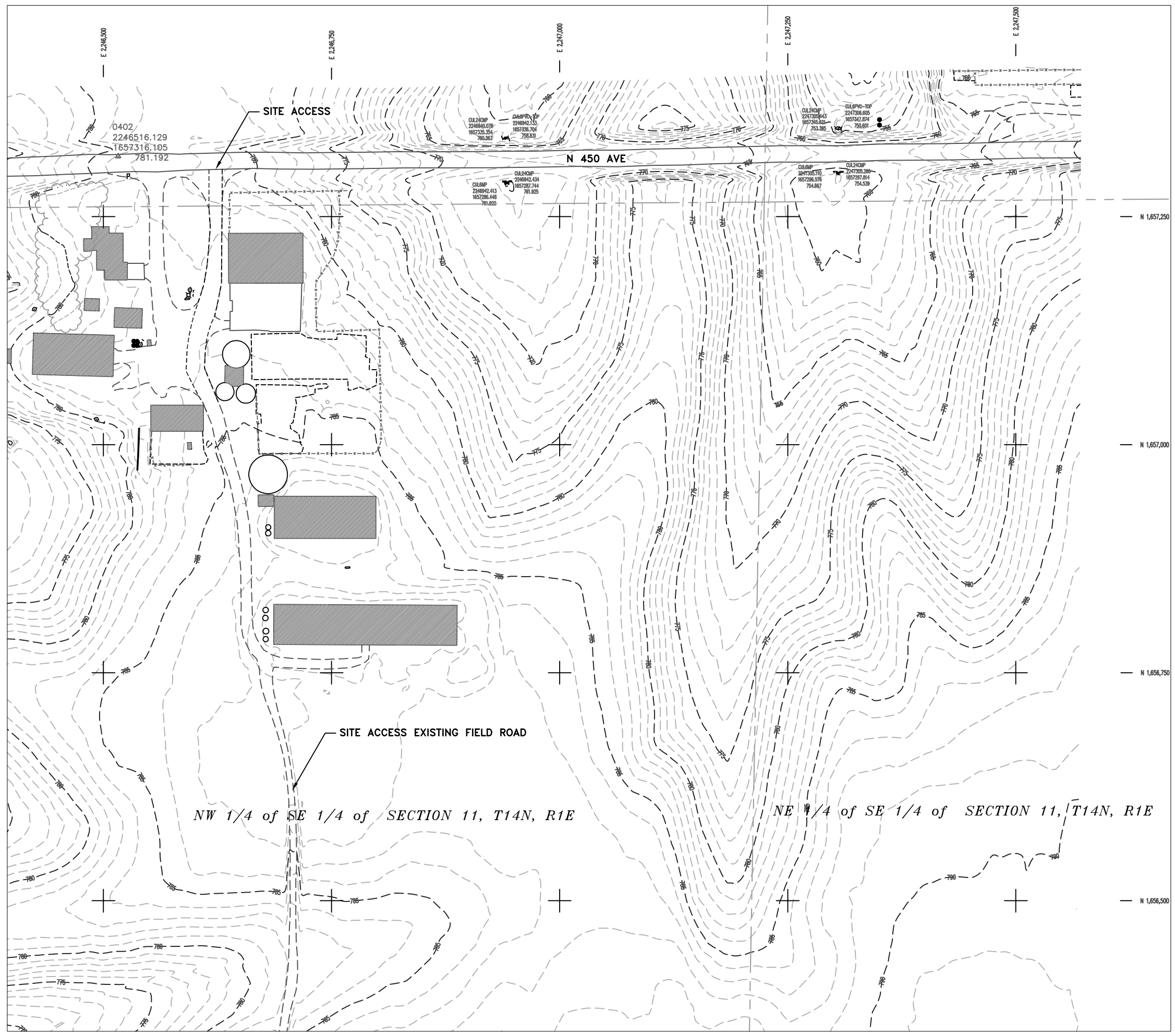
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- 400 --- EXISTING CONTOUR
- 400 — PROPOSED CONTOUR
- - - - - EDGE OF MINE REFUSE
- — — — — CONSTRUCTION LIMITS
- — — — — EDGE OF ROAD
- ~~~~~ TREELINE
- - - - - EDGE OF WATER
- △ SURVEY CONTROL POINT

Legend

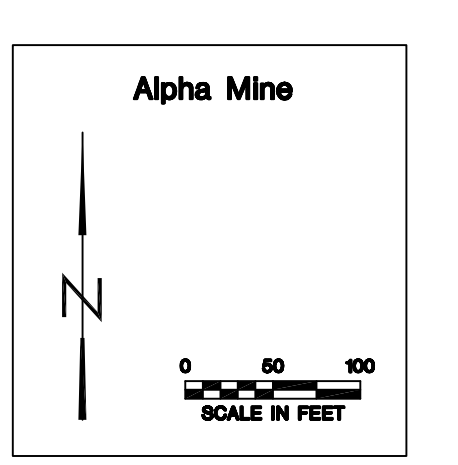
Alpha Mine

SCALE IN FEET



Legend

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

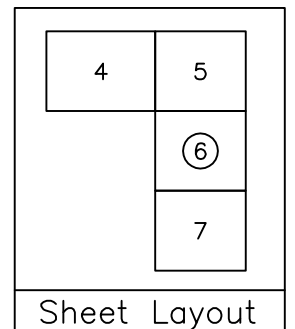
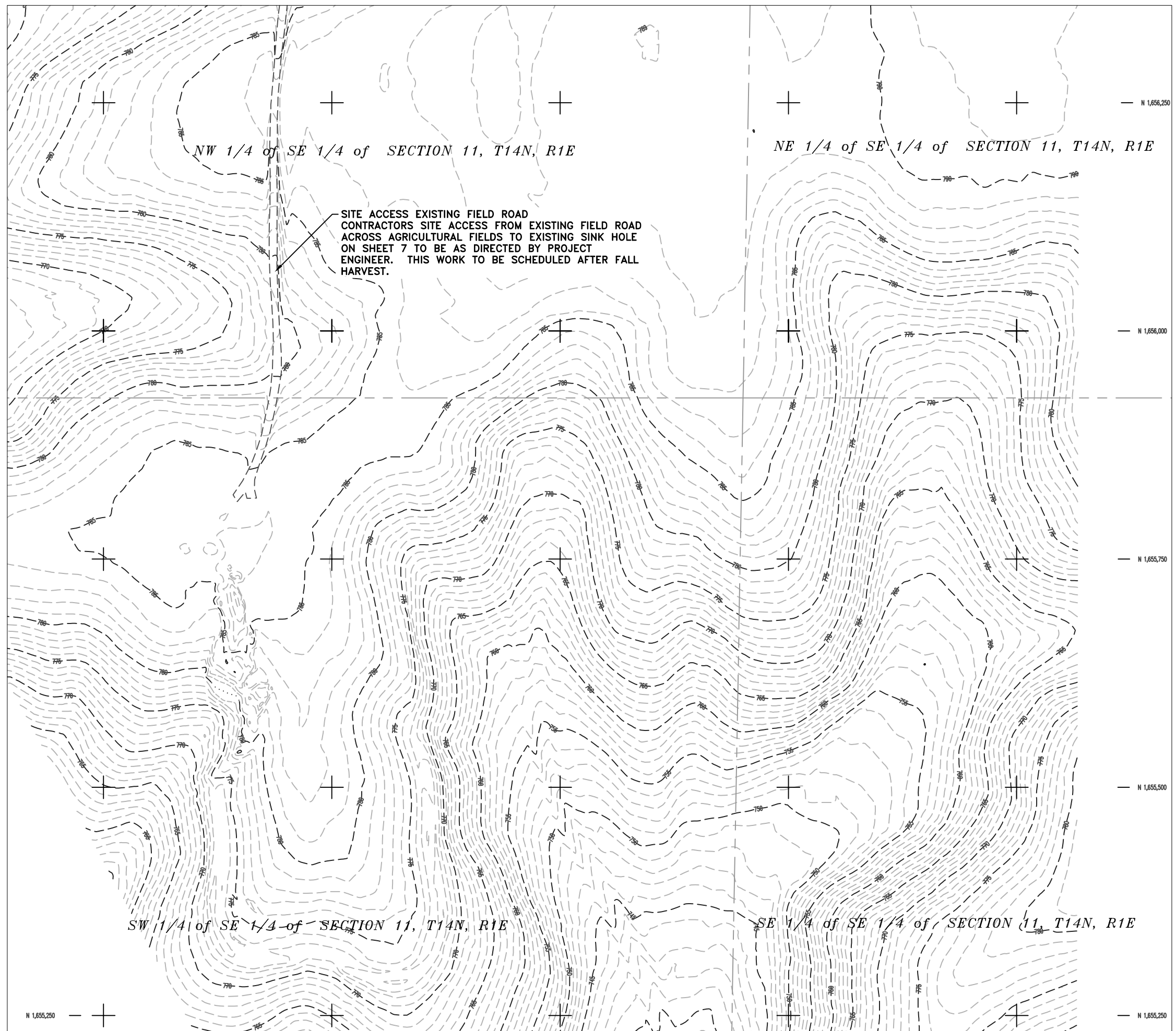


State of Illinois
Department of Natural Resources

Alpha and Briar Bluff Mine
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AML-GHeE-0901
Henry County

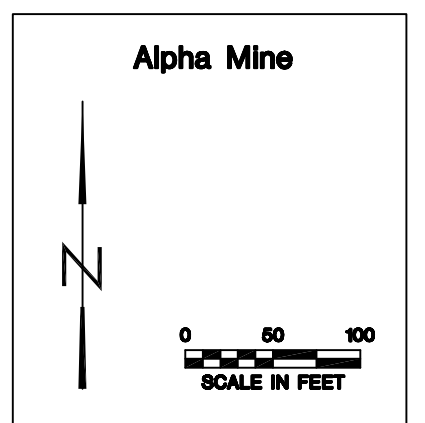
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 Date: 4/14/2011

Existing & Proposed
Conditions
Sheet
5 of 8



Legend

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



State of Illinois
Department of Natural Resources

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AML-GHeE-0901
Henry County

Drawn By: M-LF Date: 5/9/2011
Checked By:

Existing & Proposed
Conditions
Sheet
6 of 8

SW 1/4 of SE 1/4 of SECTION 11, T14N, R1E

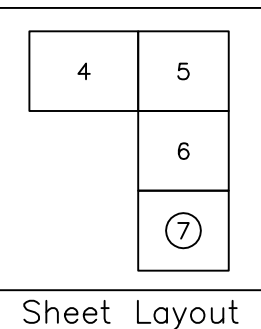
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NW 1/4 of NE 1/4 of SECTION 14, T14N, R1E

NE 1/4 of NE 1/4 of SECTION 14, T14N, R1E

EXCAVATE AND FILL SINK HOLE
SEE DETAIL THIS SHEET

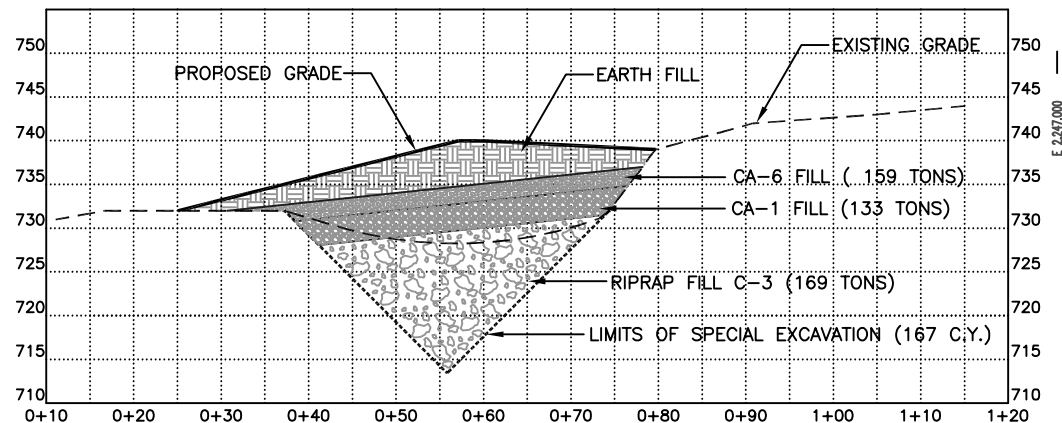
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Sheet Layout

---	400	EXISTING CONTOUR
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---		EDGE OF MINE REFUSE
---		CONSTRUCTION LIMITS
---		EDGE OF ROAD
---		TREELINE
---		EDGE OF WATER
---	△	SURVEY CONTROL POINT

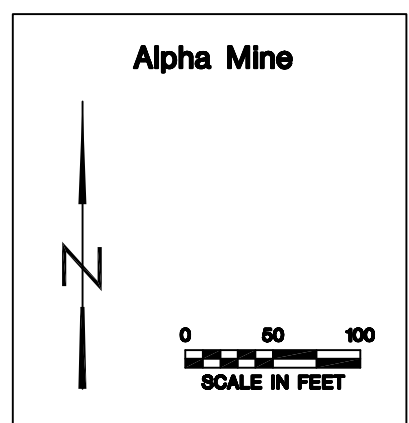
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SINK HOLE FILLING DETAIL B-B

NOTE:
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Alpha Mine

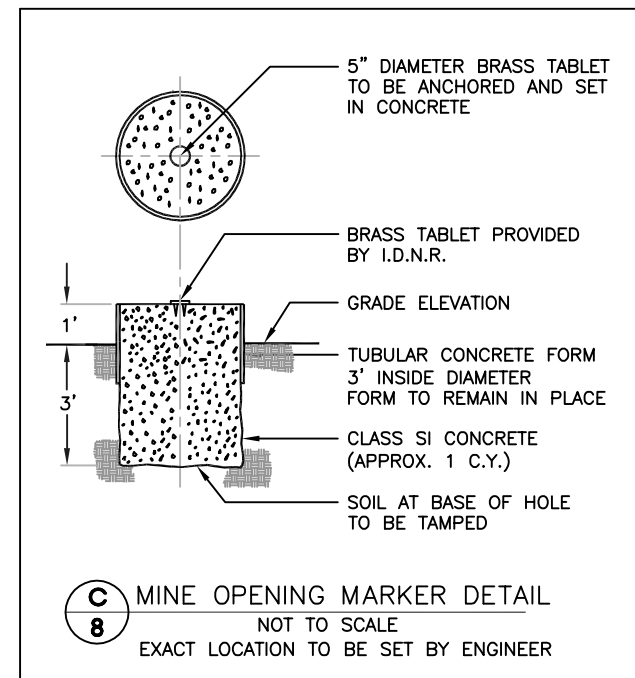
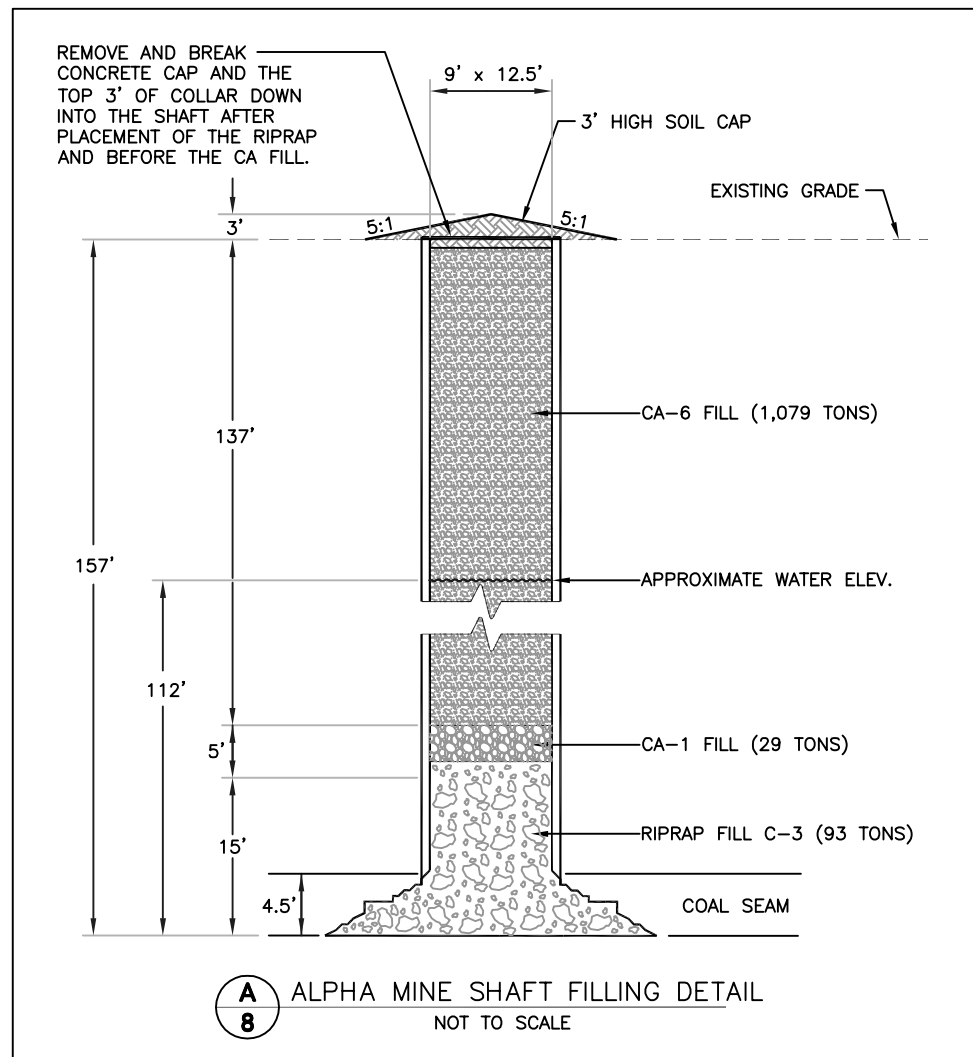
SCALE IN FEET

State of Illinois
Department of Natural Resources

Alpha and Briar Bluff Mine
Group Reclamation Project
AML-GHeE-0901
Henry County

Drawn By: _____ Date: 4/14/2011
Checked By: _____

Existing & Proposed
Conditions
Sheet
7 of 8



NOTE:
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