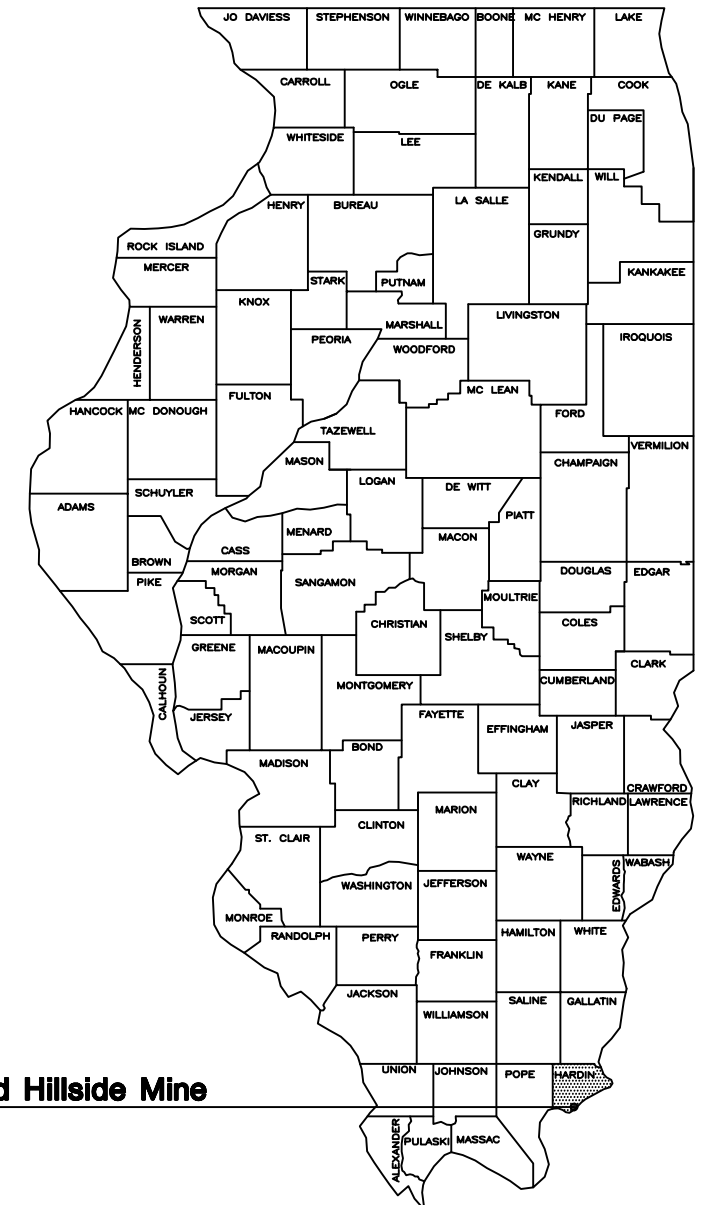


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands Reclamation

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

Rosiclare Pull and Hillside Mine
Reclamation Project
AML-Fluo-1802
Hardin County
1LR

Certified Copy



Rosiclare Pull and Hillside Mine
Hardin County

PRE-BID MEETING
 A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT ON TUESDAY, JULY 24, 2018 AT 10:00 A.M. AT THE ENTRANCE TO THE ROSICLARE PULL SITE FROM ILLINOIS ROUTE 34 (SEE SHEET 3). ALL PRIME AND SUBCONTRACTORS ARE ENCOURAGED TO ATTEND.

SCHEDULE OF DRAWINGS:

1. Cover Sheet
2. Summary of Quantities / General Notes / Location Map
3. Site Information
4. Existing Conditions Rosiclare Pull
5. Proposed Conditions Rosiclare Pull
6. Existing and Proposed Conditions Hillside Mine
- 7-13. Cross Sections

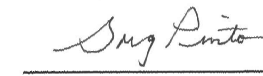
CONTRACT NO. M1802

Prepared By IDNR Staff

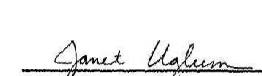
Approved for Bidding:


 Thomas A. Benner, 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
				ROSICLARE	HILLSIDE	TOTAL		
NRM20110	1	Special Clearing	201	0.8	0.2	1	L SUM	
NRM21510	2	Special Excavation	215	-	14	14	CU YD	
NRM21621	3	CA Fill, CA1	216	4,696.0	200.0	4,896.0	TON	
NRM21640	4	Shot Rock Fill	216	36,402.0	-	36,402.0	TON	
NRM21644	5	Rockfill, RR4	216	8,130.0	-	8,130.0	TON	
NRM21661	6	Class SI Concrete Plug	216	-	18	18	CU YD	
NRM25040	7	Nitrogen Fertilizer Nutrient	250	340	260	600	POUND	100 LB/ACRE-TWICE
NRM25050	8	Phosphorus Fertilizer Nutrient	250	85	65	150	POUND	50 LB/ACRE
NRM25060	9	Potassium Fertilizer Nutrient	250	170	130	300	POUND	100 LB/ACRE
NRM25070	10	Agricultural Ground Limestone	250	8.5	6.5	15.0	TON	5 TON/ACRE
NRM25090	11	Seeding	250	1.7	1.3	3.0	ACRE	
25100115	12	Mulch, Method 2, Procedure 1	IDOT 251	1.7	1.3	3.0	ACRE	2 TON/ACRE
NRM25810	13	Mowing	258	1.7	1.3	3.0	ACRE	
40200800	14	Aggregate Surface Course, Type B	IDOT 402	-	368.7	368.7	TON	CA-6
NRM50101	15	Removal of Existing Structures	501	-	1	1	L SUM	
NRM67110	16	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

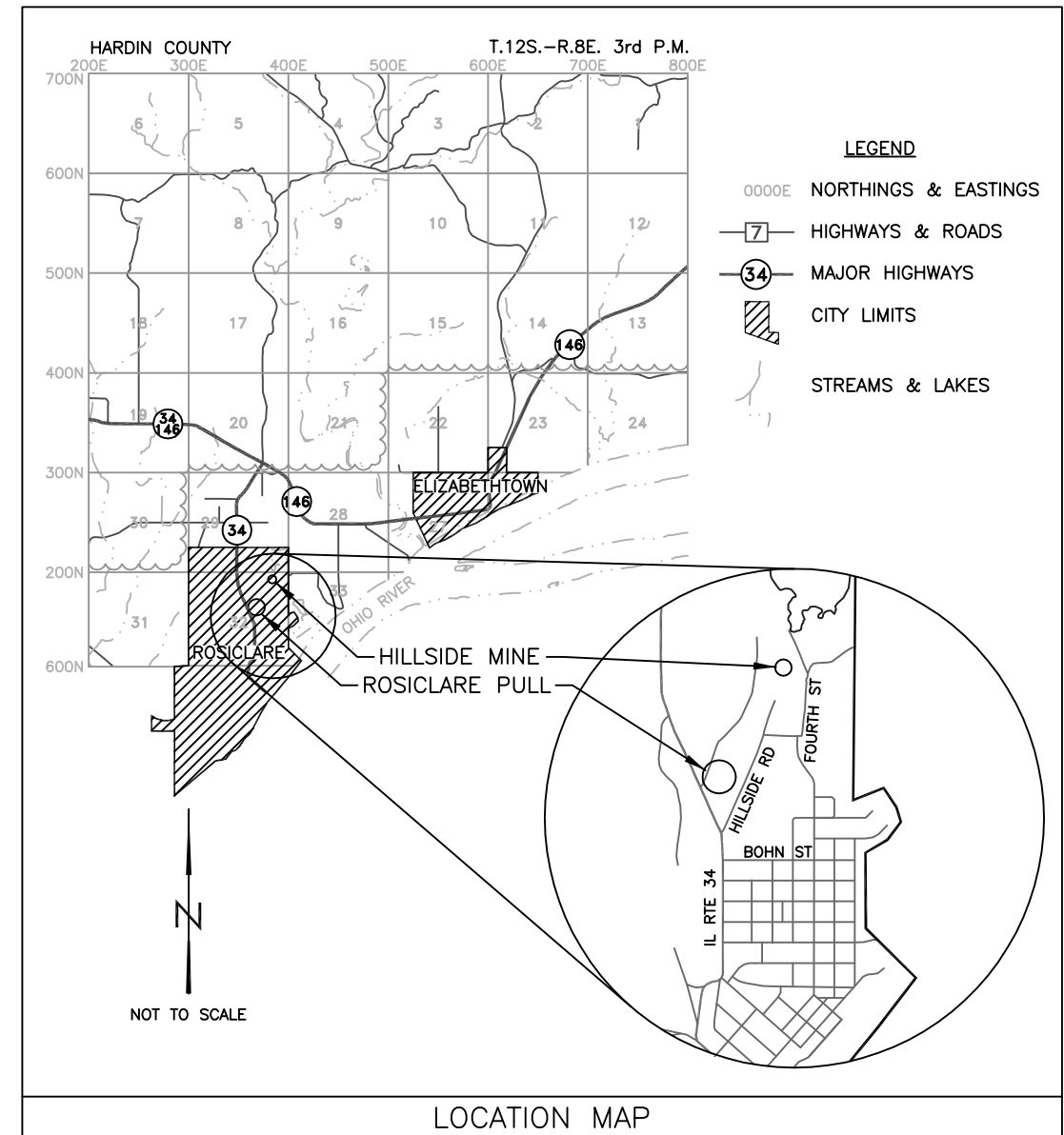
BURIAL/REMOVAL OF MATERIAL—Concrete and masonry debris designated for burial by the engineer shall be buried at least three foot below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special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

TREE REMOVAL—Trees cleared from the sites shall be disposed of in a licensed landfill or recycled, reused or otherwise disposed of per Section 201 of the Special Provisions. Clearing of trees may only occur from October 16th to March 14th. Special Clearing shall only be performed to the extent needed to perform the contract work.

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.

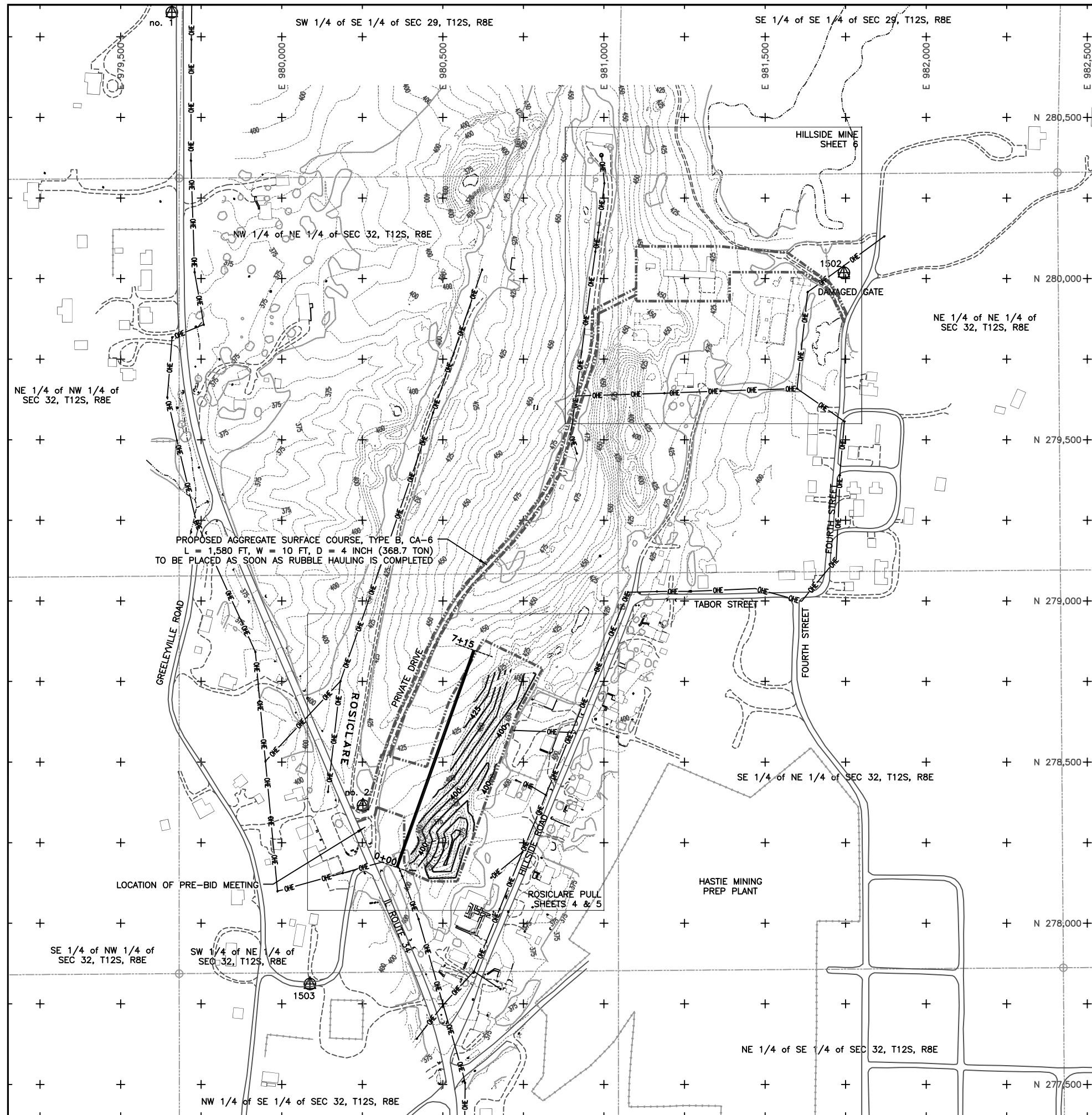
MULCHING—Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for method 2, procedure 1 of Article 251.03 of the Standard Specifications.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



LOCATION MAP

Schedule of Seeding, Fertilizer Nutrients and Mulch

ITEM (unit)	INITIAL APPLICATION SPRING 2019 JAN 1 - MARCH 15		SECOND APPLICATION FALL 2019 AUG 20 - SEPT 30		MOWING	TOTAL QUANTITY
	ROSICLARE	HILLSIDE	ROSICLARE	HILLSIDE		
SEEDING (acres)	1.7	1.3			BOTH SITES EXACT DATE TO BE SET BY ENGINEER	3.0
NITROGEN FERTILIZER NUTRIENT (pounds)	170	130	170	130		600
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	85	65				150
POTASSIUM FERTILIZER NUTRIENT (pounds)	170	130				300
AGRICULTURAL GROUND LIMESTONE (tons)	8.5	6.5				15.0
MULCH, METHOD 2 PROCEDURE 1 (acres)	1.7	1.3				3.0
MOWING (acres)					3.0	3.0



- ### Notes
- NOT ALL OVERHEAD ELECTRIC LINES ARE SHOWN ON THIS SHEET.
 - A PRIVATE WATER LINE RUNS THROUGH THE HILLSIDE MINE AND ALONG THE PRIVATE DRIVE, INCLUDING CROSSING THE DRIVE IN AT LEAST TWO PLACES. ADDITIONAL UTILITIES MAY ALSO EXIST. THE CONTRACTOR SHALL PROTECT UTILITIES AND COOPERATE WITH OWNERS IN ACCORDANCE WITH ARTICLE 107.39 OF THE SPECIAL PROVISIONS. IF ANY SERVICE IS DISRUPTED, REPAIR WORK SHALL BE CONTINUOUS UNTIL THE SERVICE IS RESTORED.
 - THE PRIVATE DRIVE MAY ONLY BE UTILIZED FOR HAULING CONCRETE RUBBLE FROM THE HILLSIDE MINE TO THE ROSICLARE PULL. LANDOWNER ACCESS SHALL BE MAINTAINED THROUGHOUT ALL CONSTRUCTION OPERATIONS. THE PRIVATE DRIVE SHALL BE REPAIRED WITH AGGREGATE SURFACE COURSE, TYPE B, AS SOON AS THE RUBBLE HAULING IS COMPLETED.
 - CONSTRUCTION LIMITS OF THE PRIVATE GRAVEL DRIVE ARE 7 FEET ON EITHER SIDE FROM THE CENTERLINE OF THE DRIVE AND AT LEAST 5 FEET FROM EXISTING STRUCTURES.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
no. 1	280,825.899	979,658.745	416.533	IRON REBAR W/ CAP
no. 2	278,365.369	980,252.038	416.212	IRON REBAR W/ CAP
1502	280,018.138	981,744.685	408.467	IRON REBAR W/ CAP
1503	277,811.575	980,087.476	396.064	PK NAIL IN PAVEMENT
1504	277,275.728	981,512.654	394.514	IRON REBAR W/ CAP

BASELINE INFORMATION		
STA	NORTHING	EASTING
0+00	278,173	980,357
7+15	278,847	980,597

Legend

- EXISTING CONTOUR (5' ONLY)
- PROPOSED CONTOUR (5' ONLY)
- PROPOSED CONSTRUCTION LIMITS
- BASELINE FOR CROSS SECTIONS
- TREE LINE
- SECTION LINE
- OVERHEAD ELECTRIC LINE
- EXISTING ROAD, UNPAVED
- CONTROL POINT

Rosiclare Pull and Hillside Mine

N

0 150 300
SCALE IN FEET



SW 1/4 of NE 1/4 of
SEC 32, T12S, R8E

Notes

1. ANY IMPOUNDING WATER AREAS DO NOT HAVE TO BE DEWATERED PRIOR TO FILLING WITH SHOT ROCK AND RUBBLE.
2. REMOVED TREES AT THIS ROSICLARE PULL LOCATION MUST BE REMOVED FROM OR PROCESSED AT THE SITE IN ACCORDANCE WITH SECTION 201 OF THE SPECIAL PROVISIONS.

	EXISTING CONTOUR
	PROPOSED CONSTRUCTION LIMITS
	BASELINE FOR CROSS SECTIONS
	TREE LINE
	SECTION LINE
	OVERHEAD ELECTRIC LINE
	EXISTING ROAD, UNPAVED
	CONTROL POINT

Legend

Rosiclare Pull

N

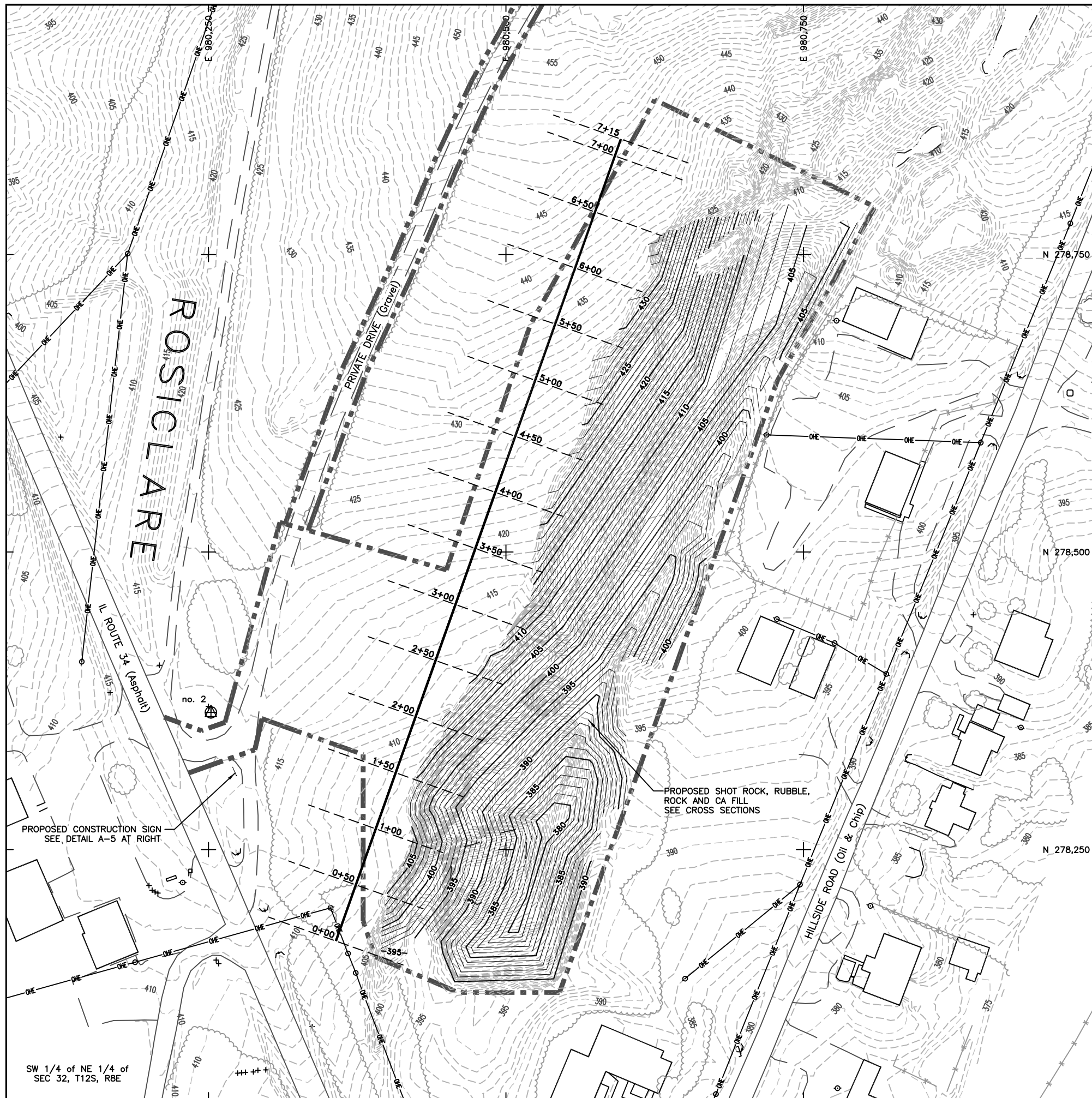
SCALE IN FEET

State of Illinois
Department of Natural Resources

**Rosiclare Pull and Hillside
Mine Reclamation Project
AML-Fluo-1802
Hardin County**

Drawn By: JLU Date: 05/21/2018
Checked By: _____

**Rosiclare Pull
Existing Conditions
Sheet
4 of 13**



SPACING LETTERS

4.5"
3.5"
2.5"
3.5"
2.5"
3.5"
2.5"
1.5"
2.5"
3.0"
1.5"
2.0"
4.5"

**ABANDONED MINED LANDS
RECLAMATION PROJECT
STATE OF ILLINOIS**

BRUCE RAUNER, GOVERNOR
Department of Natural Resources
Wayne A. Rosenthal, Director

Funding provided by the US Department of the Interior
Office of Surface Mining, with fees paid by the Coal Industry

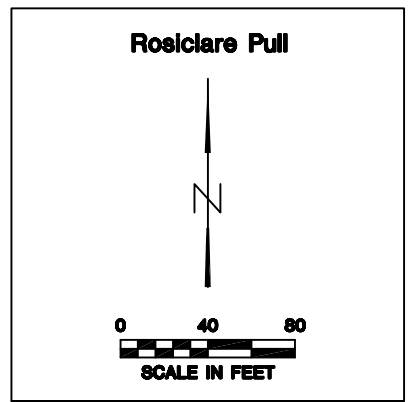
- Furnishing, erecting and removing the sign shall be incidental to the contract.
- The sign shall be painted on 1/2" or thicker exterior plywood (4' x 8'), color shall be black on white, and a 10" diameter Illinois state seal shall be provided by the D.N.R.
- The posts shall be made of 4" x 4" wood 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).
- 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.

A CONSTRUCTION SIGN DETAIL
5 EXACT LOCATION TO BE SET BY ENGINEER

Notes

- ALL DISTURBED AREAS TO BE SEEDDED EXCEPT WHERE SHOT ROCK, RUBBLE, ROCK AND CA FILL AND AGGREGATE SURFACE COURSE ARE PROPOSED.

	390	EXISTING CONTOUR
	400	PROPOSED CA FILL CONTOUR
		PROPOSED CONSTRUCTION LIMITS
		BASILINE FOR CROSS SECTIONS
		TREE LINE
		SECTION LINE
		OVERHEAD ELECTRIC LINE
		EXISTING ROAD, UNPAVED
		CONTROL POINT



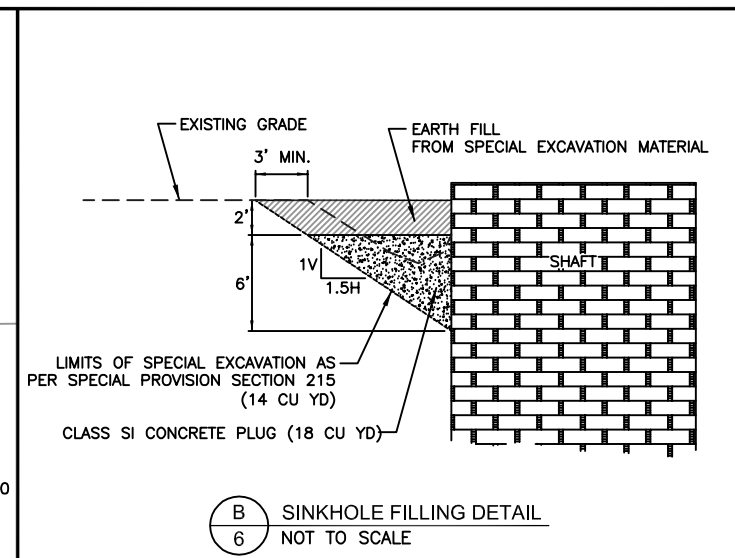
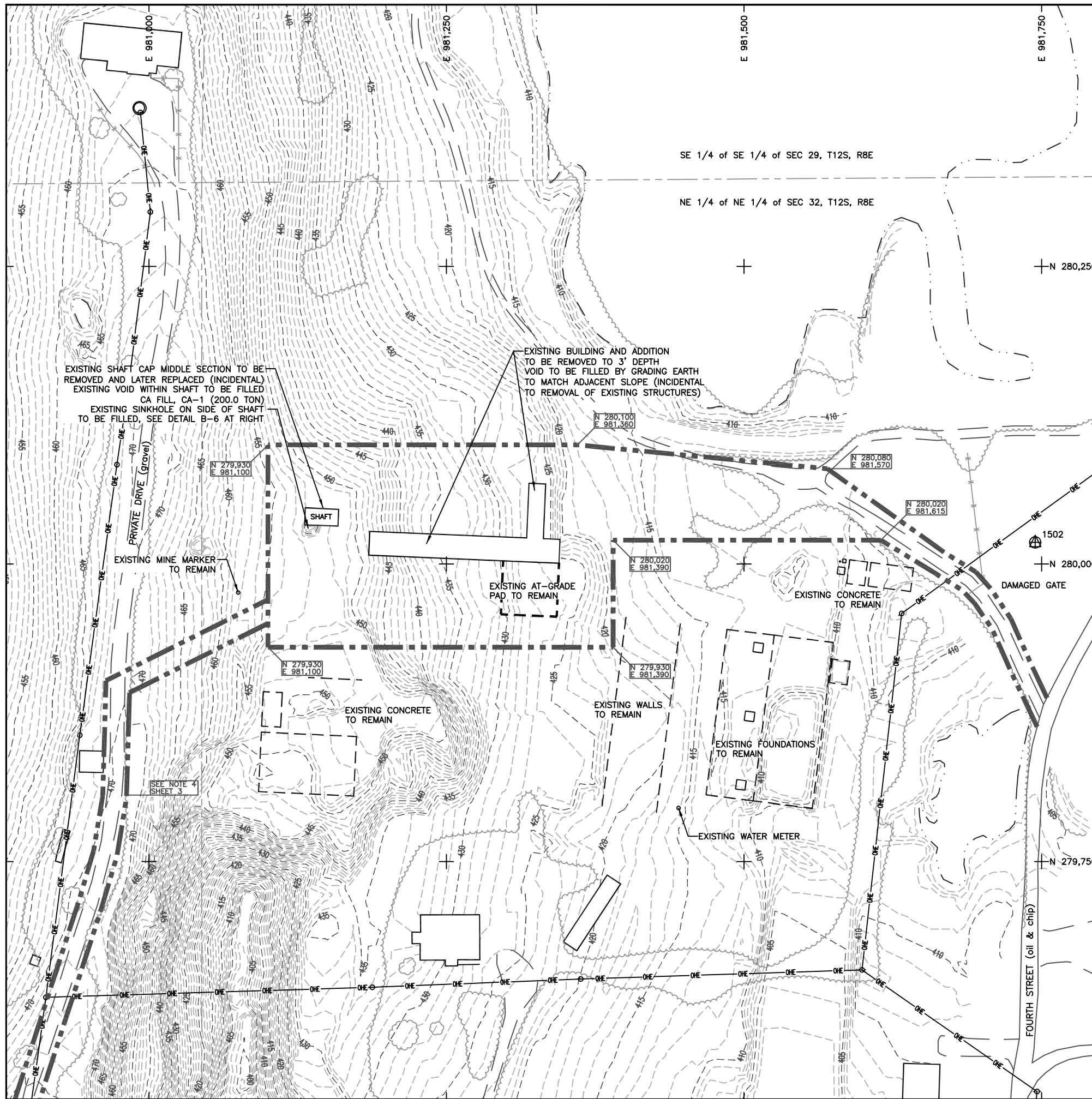
**State of Illinois
Department of Natural Resources**

**Rosiclare Pull and Hillside
Mine Reclamation Project
AML-Fluo-1802
Hardin County**

Drawn By: JLU Date: 05/23/2018
Checked By: _____

**Rosiclare Pull
Proposed Conditions
Sheet
5 of 13**

SW 1/4 of NE 1/4 of
SEC 32, T12S, R8E

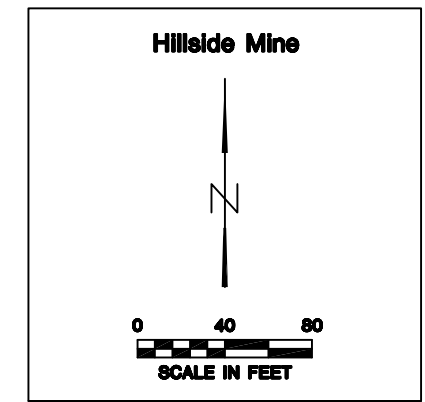


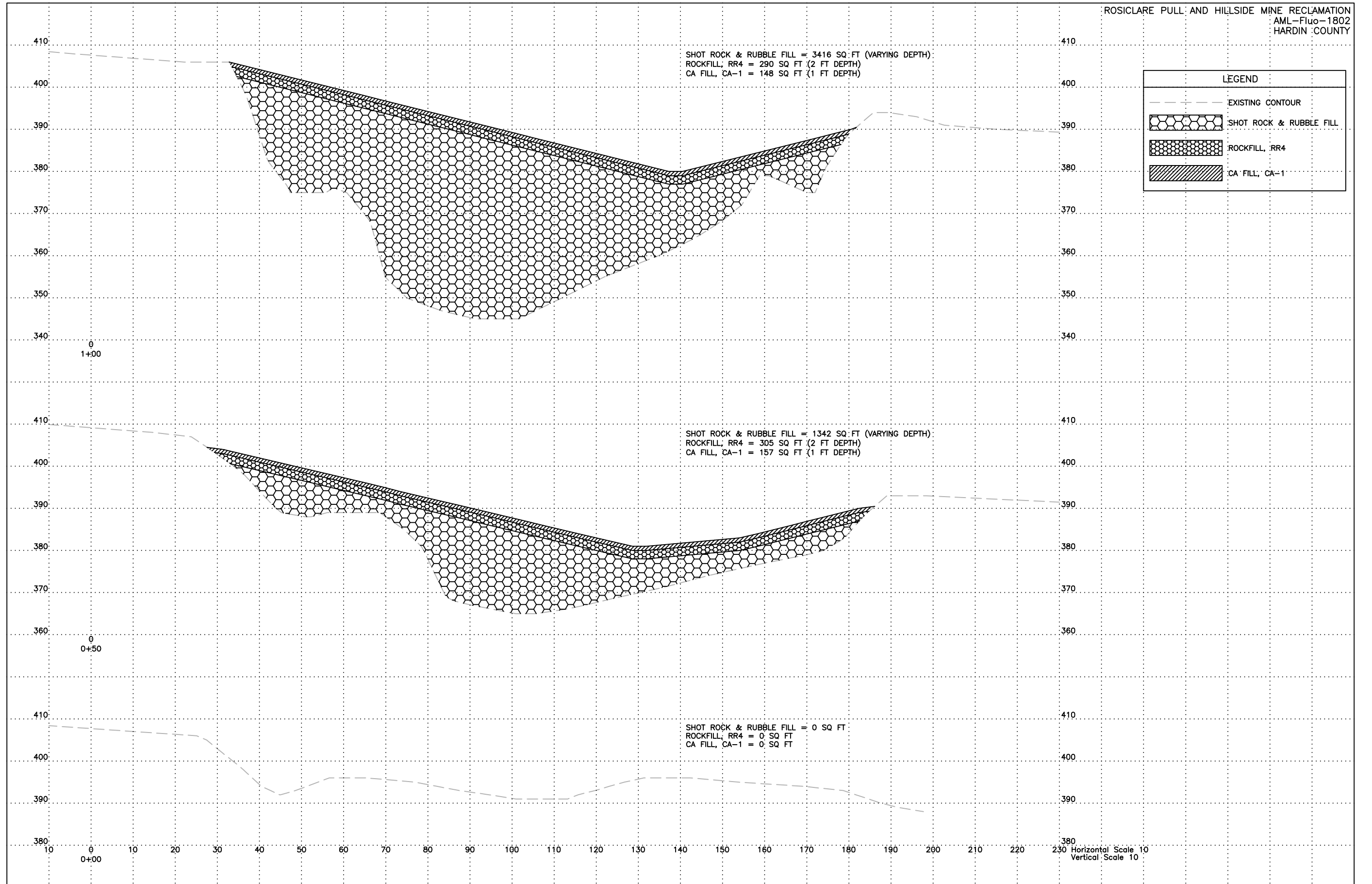
NOTES:
 1. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING AROUND THE SHAFT DUE TO UNKNOWN CONDITION OF THE SHAFT AND SURROUNDING AREA.
 2. THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE VOLUME OF SPECIAL EXCAVATION, CA FILL AND BACKFILLING OF CONCRETE REQUIRED. THE ENGINEER WILL MAKE THE DETERMINATION DURING CONSTRUCTION BASED UPON THE CONDITIONS ENCOUNTERED DURING THE SPECIAL EXCAVATION PROCESS AND AFTER THE SHAFT COVER SECTION IS REMOVED.

- ### Notes
1. A PRIVATE WATER LINE RUNS THROUGH THE HILLSIDE MINE AND ALONG THE PRIVATE DRIVE, INCLUDING CROSSING THE DRIVE IN AT LEAST TWO PLACES. ADDITIONAL UTILITIES MAY ALSO EXIST. THE CONTRACTOR SHALL PROTECT UTILITIES AND COOPERATE WITH OWNERS IN ACCORDANCE WITH ARTICLE 107.39 OF THE SPECIAL PROVISIONS. IF ANY SERVICE IS DISRUPTED, REPAIR WORK SHALL BE CONTINUOUS UNTIL THE SERVICE IS RESTORED.
 2. THE PRIVATE WATER LINE IS KNOWN TO BE IN THE VICINITY OF THE EXISTING MINE MARKER.
 3. REMOVED TREES AT THIS HILLSIDE MINE LOCATION MAY BE STOCKPILED ON THE SITE IN ACCORDANCE WITH SECTION 201 OF THE SPECIAL PROVISIONS.




	EXISTING CONTOUR
	PROPOSED CONSTRUCTION LIMITS
	TREE LINE
	SECTION LINE
	OVERHEAD ELECTRIC LINE
	EXISTING ROAD, UNPAVED
	CONTROL POINT

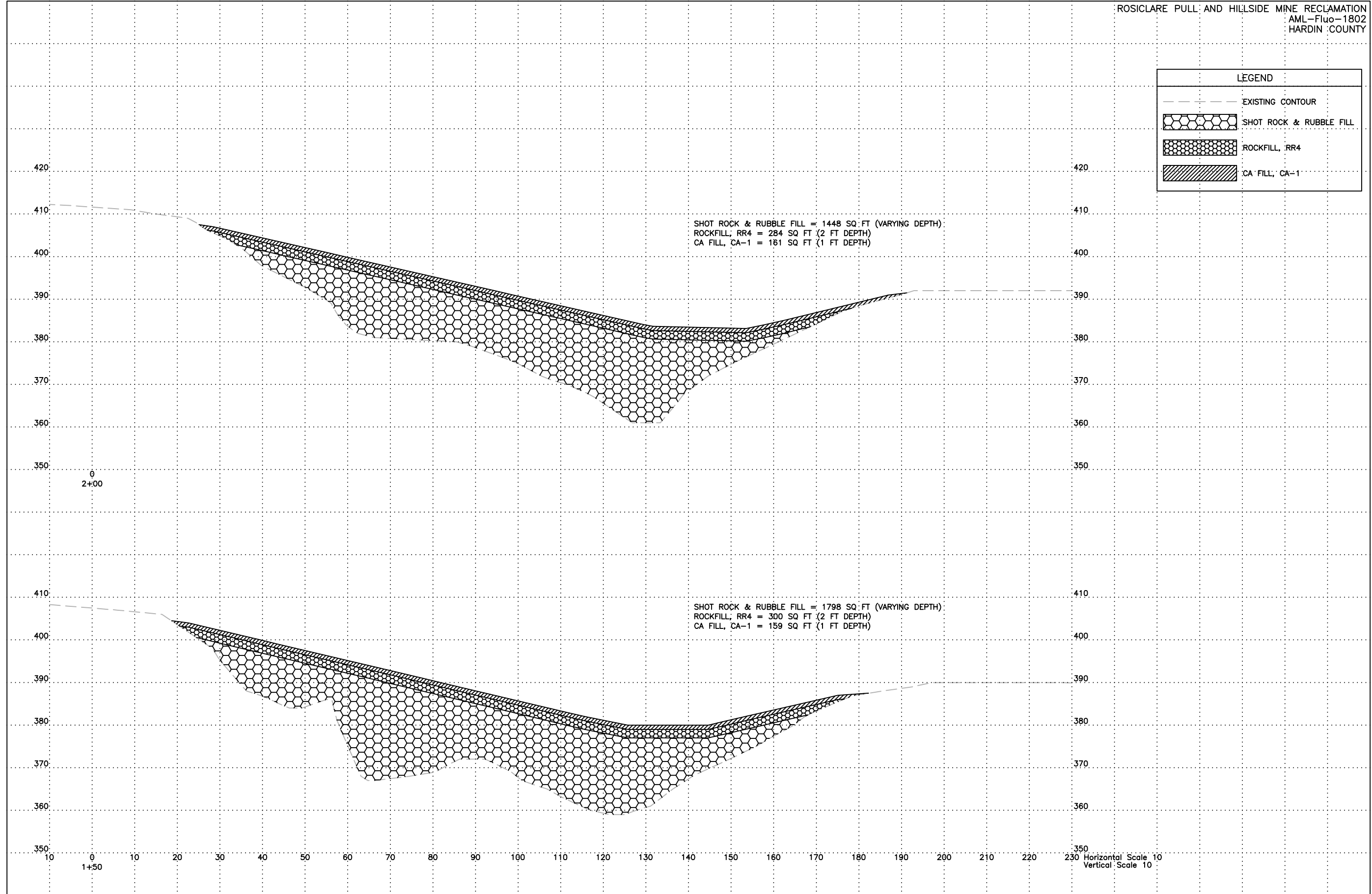
Legend








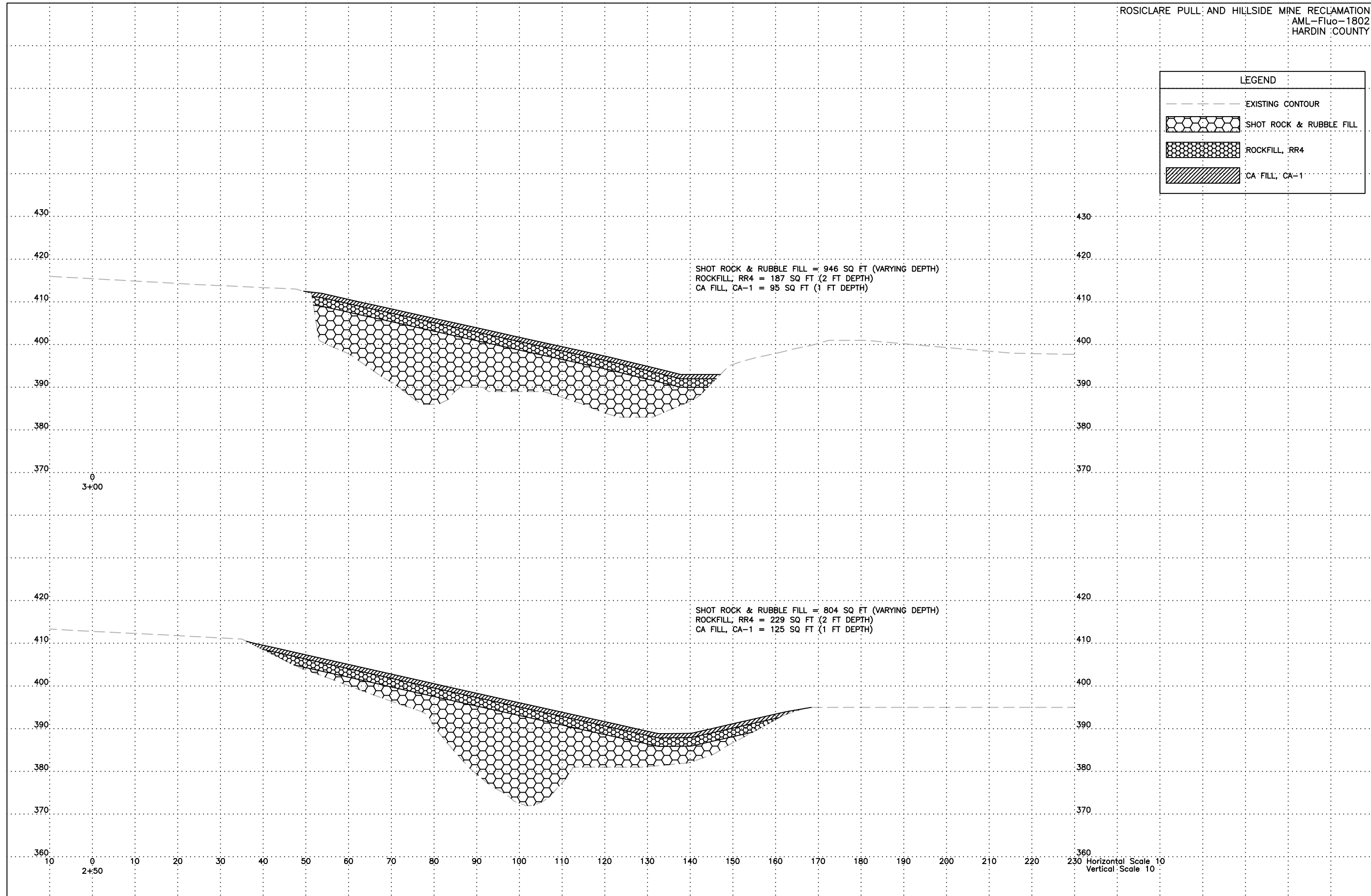
LEGEND

- EXISTING CONTOUR
-  SHOT ROCK & RUBBLE FILL
-  ROCKFILL, RR4
-  CA FILL, CA-1






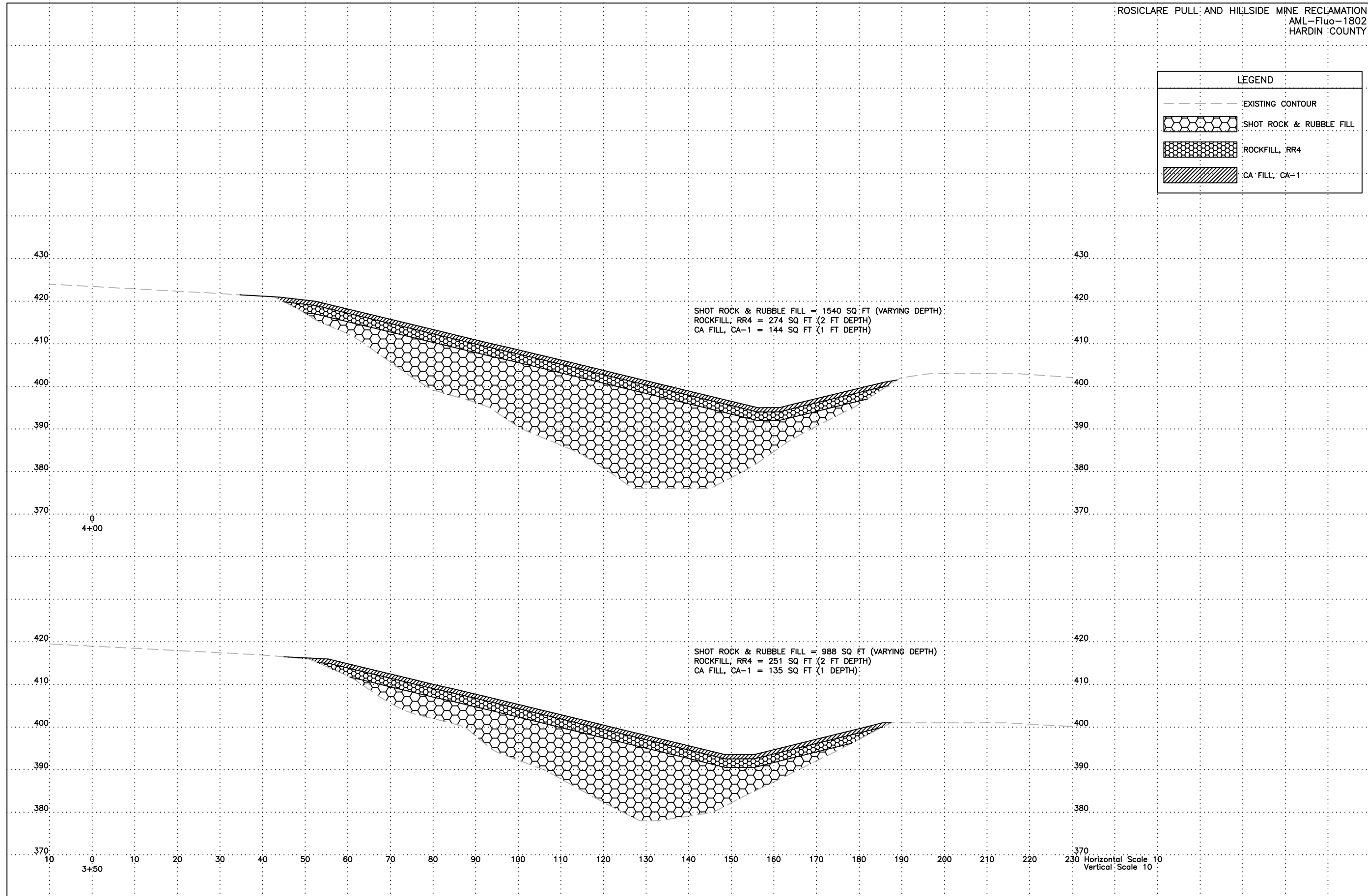
LEGEND

- EXISTING CONTOUR
-  SHOT ROCK & RUBBLE FILL
-  ROCKFILL, RR4
-  CA FILL, CA-1






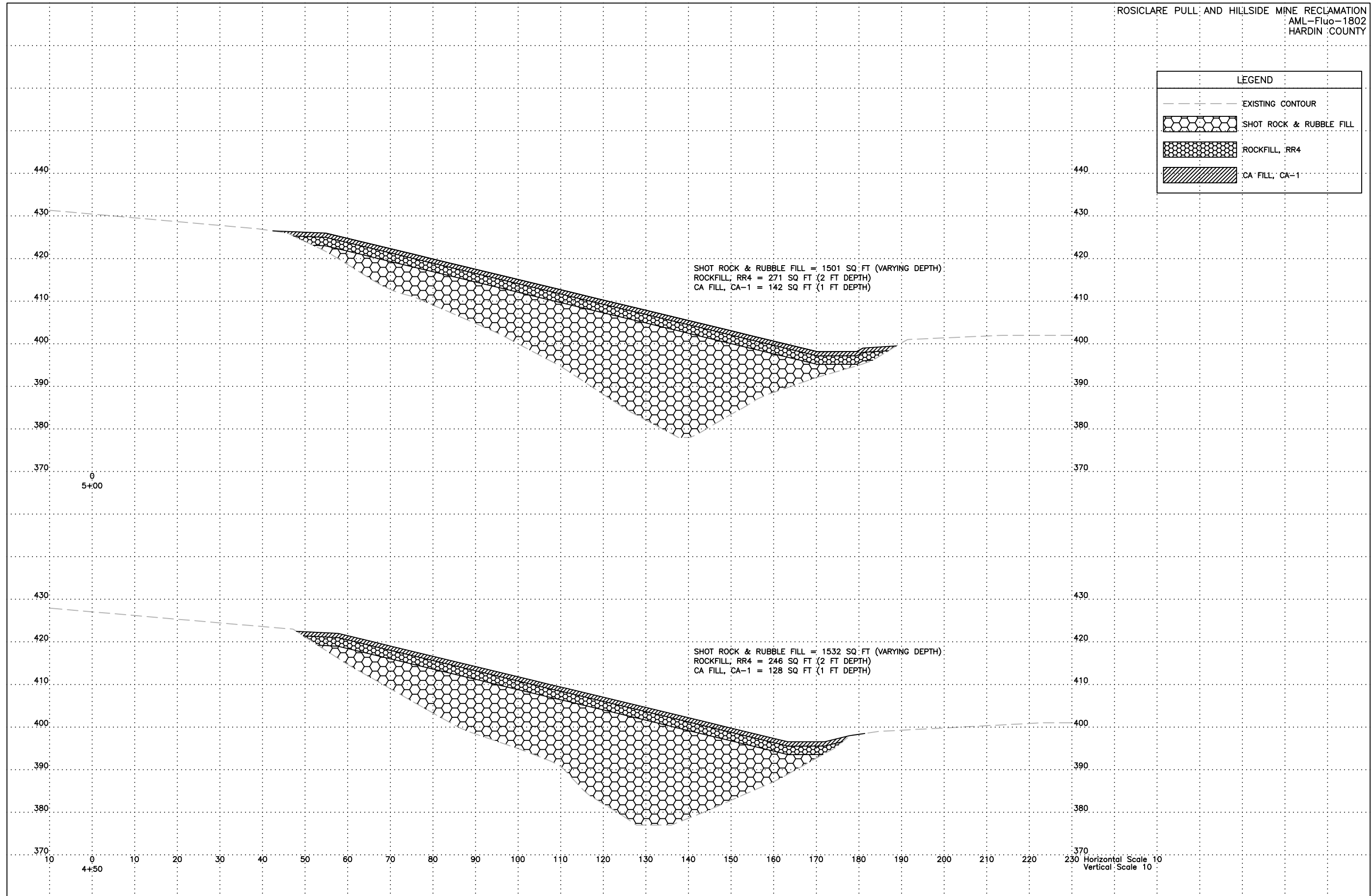
LEGEND

- EXISTING CONTOUR
-  SHOT ROCK & RUBBLE FILL
-  ROCKFILL, RR4
-  CA FILL, CA-1






LEGEND

- EXISTING CONTOUR
-  SHOT ROCK & RUBBLE FILL
-  ROCKFILL, RR4
-  CA FILL, CA-1



LEGEND

- EXISTING CONTOUR
-  SHOT ROCK & RUBBLE FILL
-  ROCKFILL, RR4
-  CA FILL, CA-1

