

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

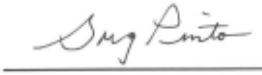
Deer Park Mine
Reclamation Project
AML-GLsE-1105
La Salle County
2LR


SCHEDULE OF DRAWINGS:

1. Cover Sheet
 2. Summary of Quantities/General Notes/Location Map
 - 3-8. Existing & Proposed Conditions
 - 9-11. Cross Sections
 12. Details
- IDOT Standards 701011
 IDOT Standards 701301
 IDOT Standards 702001-04

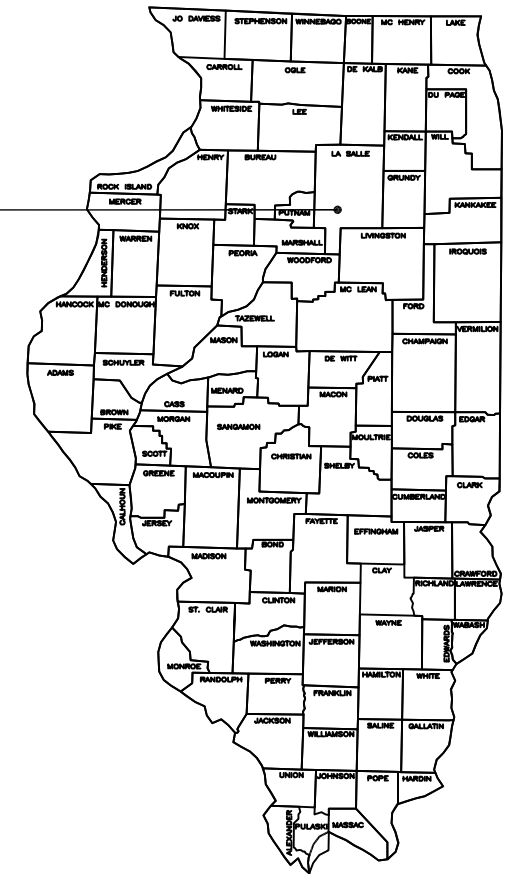
Prepared By IDNR Staff

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

Deer Park Mine
 La Salle County



Pre-Bid Meeting:
 A Pre-bid meeting is scheduled for this project at 9:00 A.M., Tuesday, November 8, 2011
 at LeHigh Park in Oglesby, Illinois.

Certified Copy

Summary of Quantities

| # | Item | Section | Quantity | Unit | Rates/Remarks |
|----|--|----------|----------|-------|---------------------------------------|
| 1 | Special Clearing | 201 | 1 | L.S. | |
| 2 | Earth Excavation | 202 | 22,956 | C.Y. | |
| 3 | Mine Refuse Excavation | 202 | 36,445 | C.Y. | Compaction Required per SP 205 |
| 4 | Special Excavation | 214 | 394 | C.Y. | |
| 5 | CA-6 Fill | 216 | 608 | Ton | |
| 6 | CA-1 Fill | 216 | 72 | Ton | |
| 7 | Riprap Fill C-3 | 216 | 142 | Ton | |
| 8 | Seeding | 250 | 13.3 | Acre | See Schedule - This Sheet |
| 9 | Nitrogen Fertilizer Nutrient | 250 | 2,436 | Pound | See Schedule - This Sheet |
| 10 | Phosphorous Fertilizer Nutrient | 250 | 4,060 | Pound | See Schedule - This Sheet |
| 11 | Potassium Fertilizer Nutrient | 250 | 5,075 | Pound | See Schedule - This Sheet |
| 12 | Agricultural Ground Limestone | 250 | 26.6 | Ton | 2 Tons/Acre See Schedule - This Sheet |
| 13 | Mulch, Method 2, Procedure 1 | IDOT 251 | 13.3 | Acre | 2 Tons/Acre See Schedule - This Sheet |
| 14 | Erosion Control Blanket | IDOT 251 | 1,496 | S.Y. | |
| 15 | Mine Refuse Treatment - Limestone | 255 | 140 | Ton | 20 Tons/Acre |
| 16 | Mowing | 258 | 7 | Acre | LeHigh Park Sheets 4 & 7 |
| 17 | Perimeter Erosion Barrier | IDOT 280 | 1,617 | Foot | Silt Fence |
| 18 | Stone Riprap A-3 | IDOT 281 | 312 | S.Y. | |
| 19 | Stone Dumped Riprap A-3 | IDOT 281 | 30 | Ton | |
| 20 | Aggregate Surface Course, Type B, CA-1 | IDOT 402 | 104 | Ton | |
| 21 | Aggregate Surface Course, Type B, CA-6 | IDOT 402 | 711 | Ton | |
| 22 | Removal of Existing Structures | 501 | 1 | L.S. | |
| 23 | Pipe Culvert 18" Corrugated Steel Culvert Pipe, Type 1 | IDOT 542 | 48 | Foot | |
| 24 | Mine Opening Marker | 666 | 5 | Each | |
| 25 | Mobilization (Max. 6% of Bid) | 671 | 1 | L.S. | |

Special Note

Delivery of all Material using DEER PARK LANE will be restricted to Tandem Trucks Only.

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.

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.

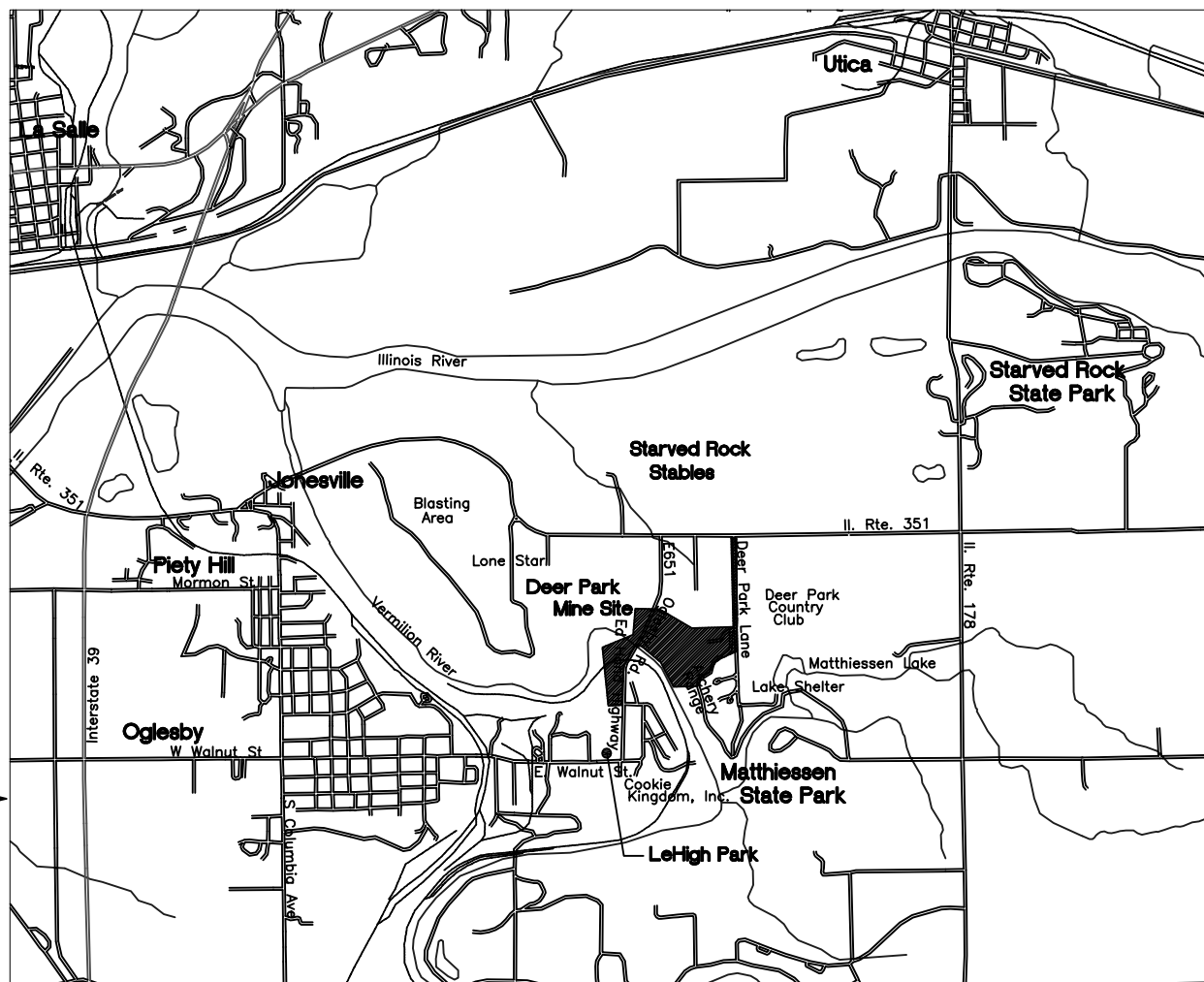
The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

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.

Mine Refuse Treatment - Application rates specified in the plans are shown in the Summary of Quantities—Rates/Remarks column.



Location Map

| ITEM (unit) | Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing | | TOTAL QUANTITY |
|--|---|--|-------------------|
| | August 1, - September 1, 2012 | April 1, - May 1, 2013 | |
| SEEDING (acres) | 13.3 | | 13.3 |
| AGRICULTURAL GROUND LIMESTONE (tons) | 26.6 2 Tons/Acre | | 26.6 |
| NITROGEN FERTILIZER NUTRIENT (pounds) | 1,596 120 Lbs./Acre | 840 120 Lbs./Acre LeHigh Park - Sheets 4 & 7 | 2,436 |
| PHOSPHOROUS FERTILIZER NUTRIENT (pounds) | 2,660 50 Lbs./Acre | 1,400 50 Lbs./Acre LeHigh Park - Sheets 4 & 7 | 4,060 |
| POTASSIUM FERTILIZER NUTRIENT (pounds) | 3,325 220 Lbs./Acre | 1,750 220 Lbs./Acre LeHigh Park - Sheets 4 & 7 | 5,075 |
| MULCH, METHOD 2 PROCEDURE 1 (acres) | 13.3 2 Tons/Acre | | 13.3 |
| MOWING (acres) | | 7 LeHigh Park - Sheets 4 & 7 | 7 |

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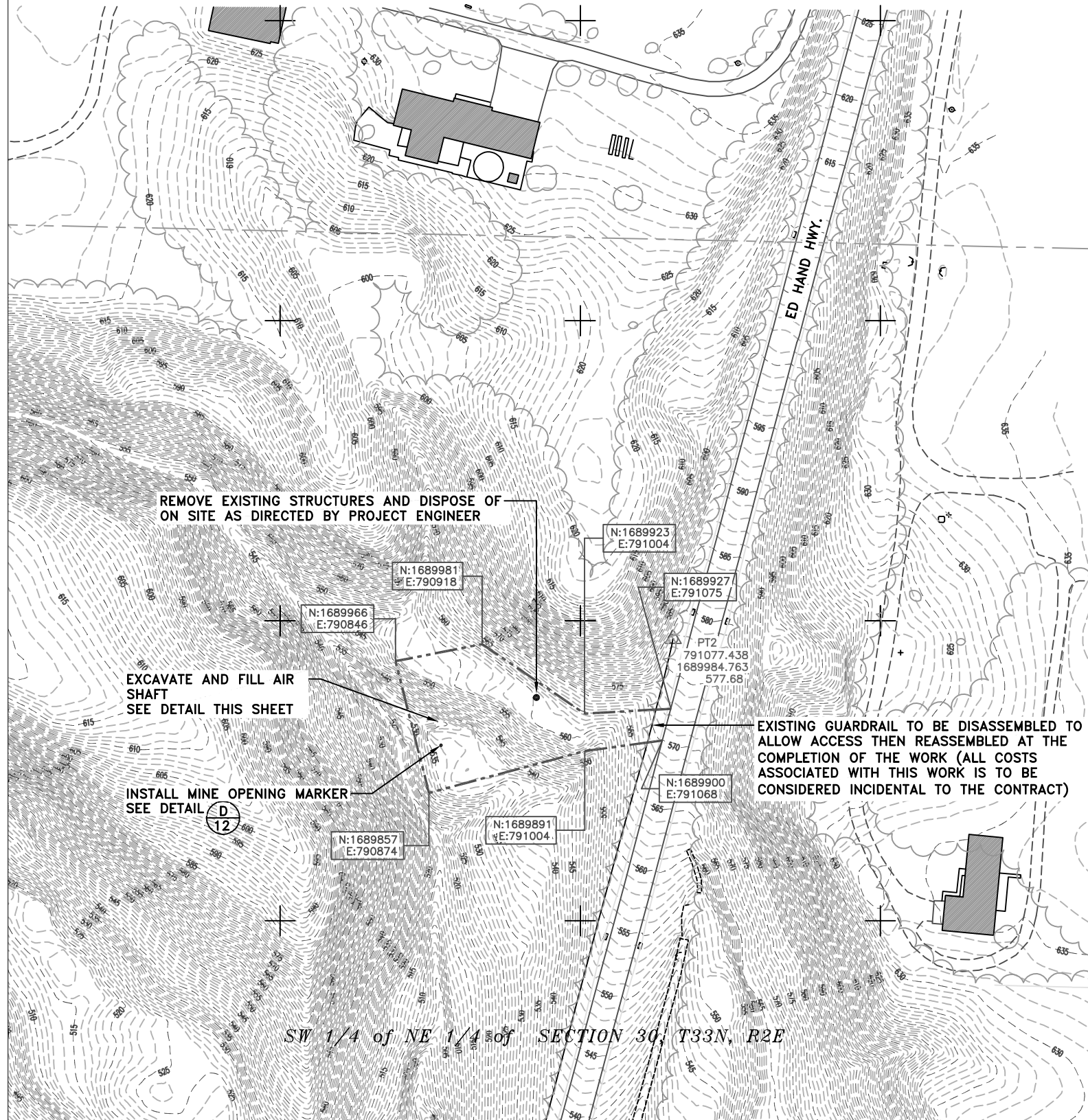
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Checked By: _____

Summary of Quantities/
General Notes/Location Map
Sheet
2 of 12

NW 1/4 of NE 1/4 of SECTION 30, T33N, R2E

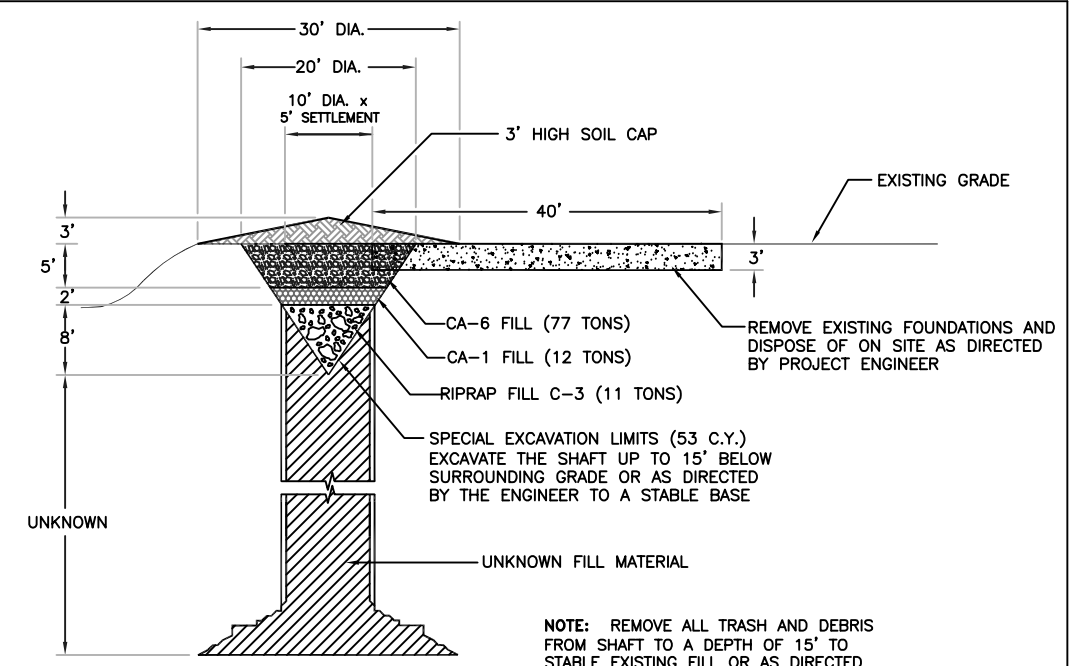
PT1
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635.87

0102
791267.877
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629.73



SW 1/4 of NE 1/4 of SECTION 30, T33N, R2E

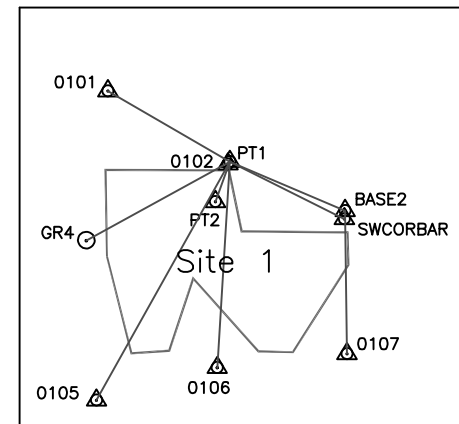
SHEET 5



AIR SHAFT WEST OF ED HAND
NOT TO SCALE

NOTE: REMOVE ALL TRASH AND DEBRIS FROM SHAFT TO A DEPTH OF 15' 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.

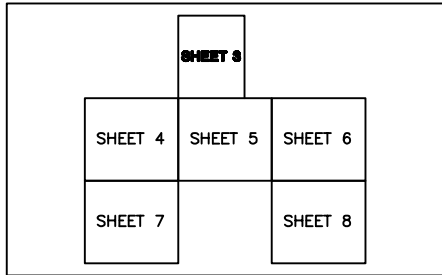
DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SHAFT, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN PERFORMING WORK NEAR THE SHAFT. THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITY FOR SPECIAL EXCAVATION AND BACKFILLING MATERIALS AS DETERMINED BY THE EXACT CONDITIONS ENCOUNTERED DURING SPECIAL EXCAVATION.



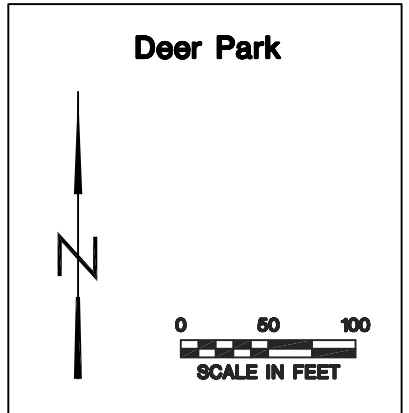
Traverse Layout Data

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

Legend



Sheet Layout



State of Illinois
Department of Natural Resources

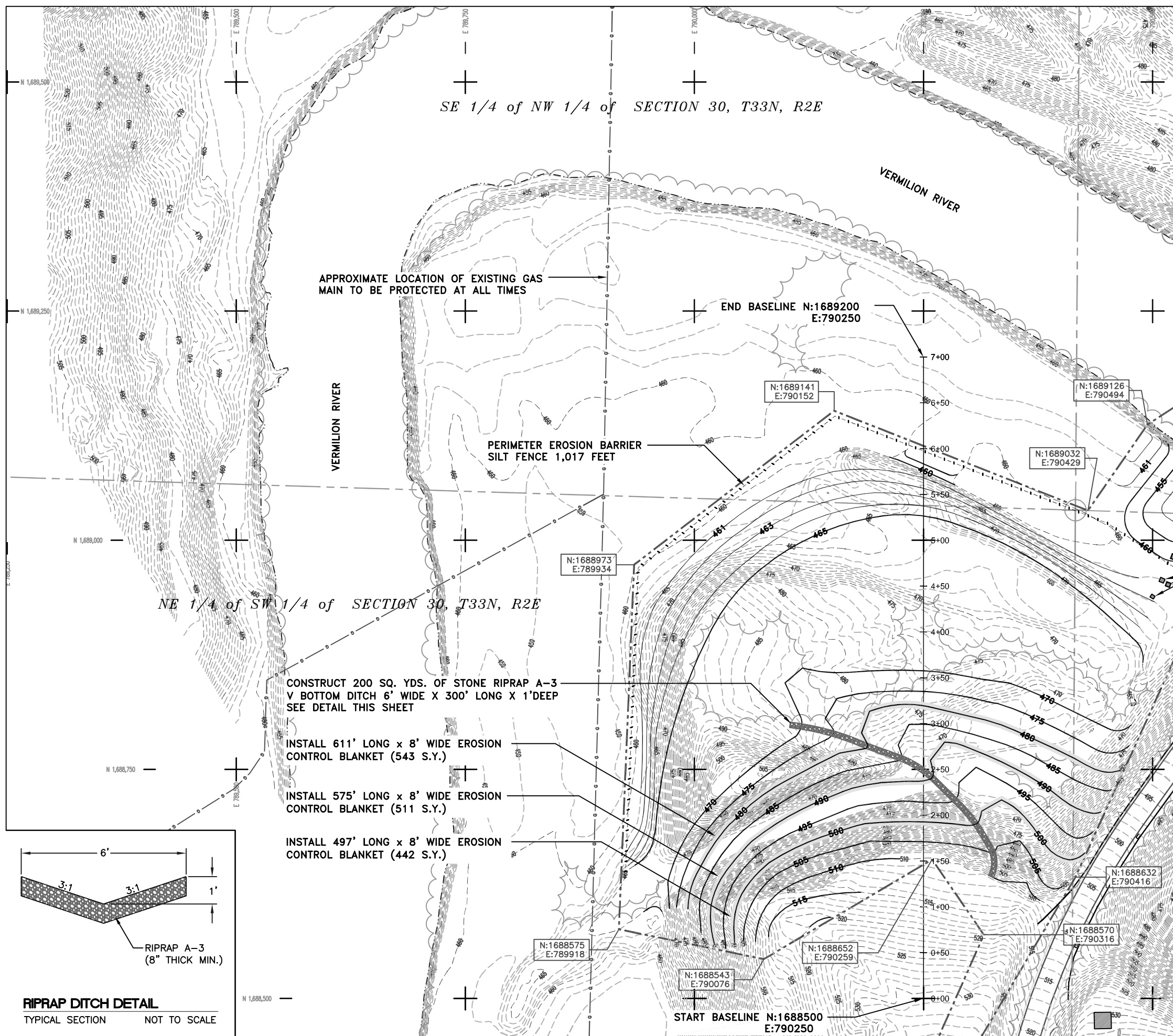
Deer Park Mine
Reclamation Project
AML-GLsE-1105
La Salle County

Drawn By: M-LF
Checked By:
Date: 9/29/2011

Existing & Proposed
Conditions
Sheet
3 of 12

SE 1/4 of NW 1/4 of SECTION 30, T33N, R2E

NE 1/4 of SW 1/4 of SECTION 30, T33N, R2E



APPROXIMATE LOCATION OF EXISTING GAS MAIN TO BE PROTECTED AT ALL TIMES

END BASELINE N:1689200
E:790250

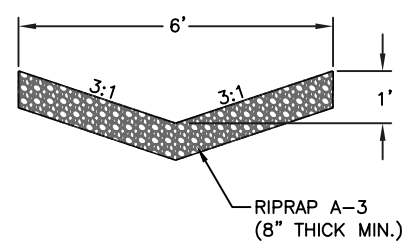
PERIMETER EROSION BARRIER
SILT FENCE 1,017 FEET

CONSTRUCT 200 SQ. YDS. OF STONE RIPRAP A-3
V BOTTOM DITCH 6' WIDE X 300' LONG X 1'DEEP
SEE DETAIL THIS SHEET

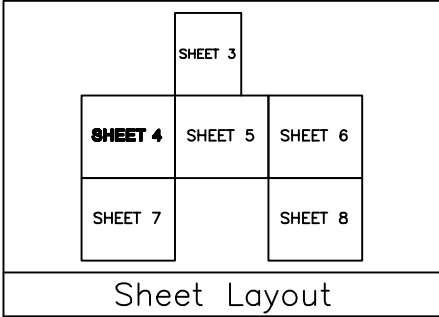
INSTALL 611' LONG x 8' WIDE EROSION
CONTROL BLANKET (543 S.Y.)

INSTALL 575' LONG x 8' WIDE EROSION
CONTROL BLANKET (511 S.Y.)

INSTALL 497' LONG x 8' WIDE EROSION
CONTROL BLANKET (442 S.Y.)



RIPRAP DITCH DETAIL
TYPICAL SECTION NOT TO SCALE



REMOVE EXISTING STRUCTURES AND
DISPOSE OF ON SITE AS DIRECTED
BY PROJECT ENGINEER

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

Deer Park

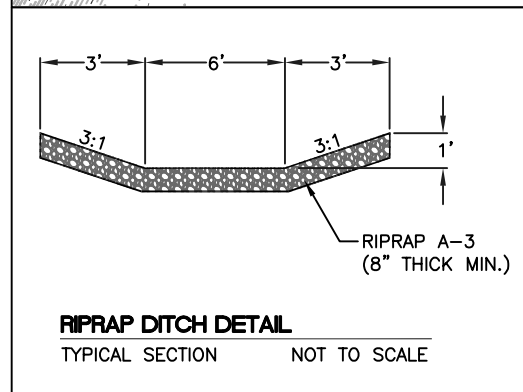
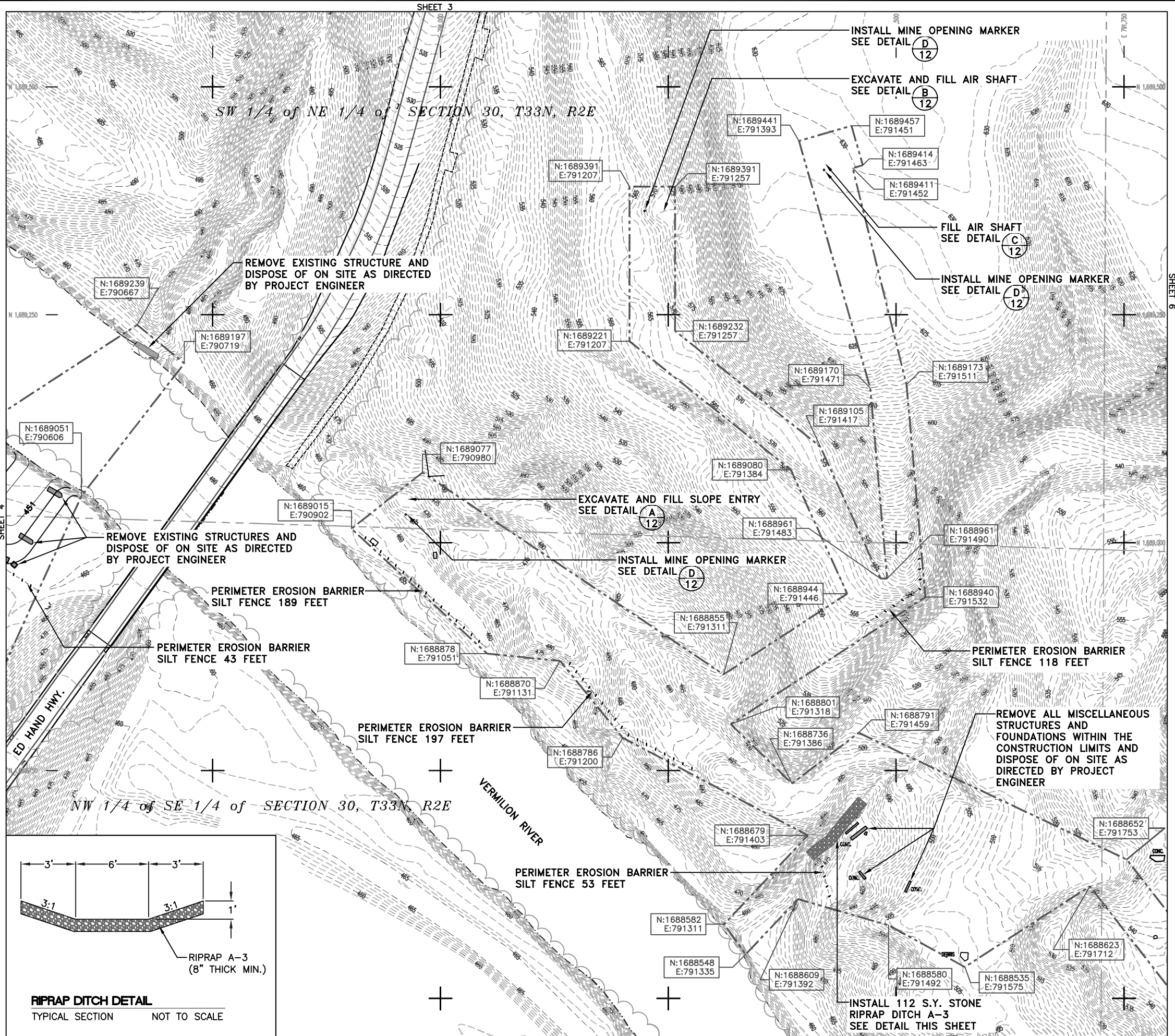
SCALE IN FEET

State of Illinois
Department of Natural Resources

Deer Park Mine
Reclamation Project
AML-GLsE-1105
La Salle County

Drawn By: M-LF
Checked By:
Date: 10/3/2011

Existing & Proposed
Conditions
Sheet
4 of 12



SHEET 3

SHEET 6

SHEET 4

SHEET 5

SHEET 6

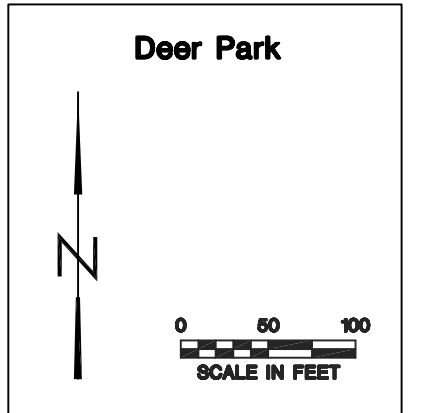
SHEET 7

SHEET 8

Sheet Layout

Legend

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

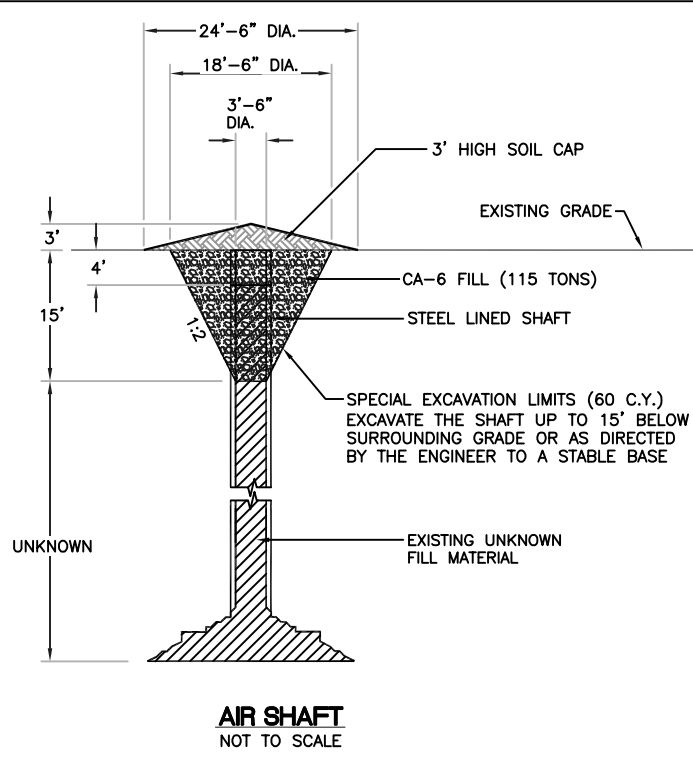


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Deer Park Mine
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La Salle County

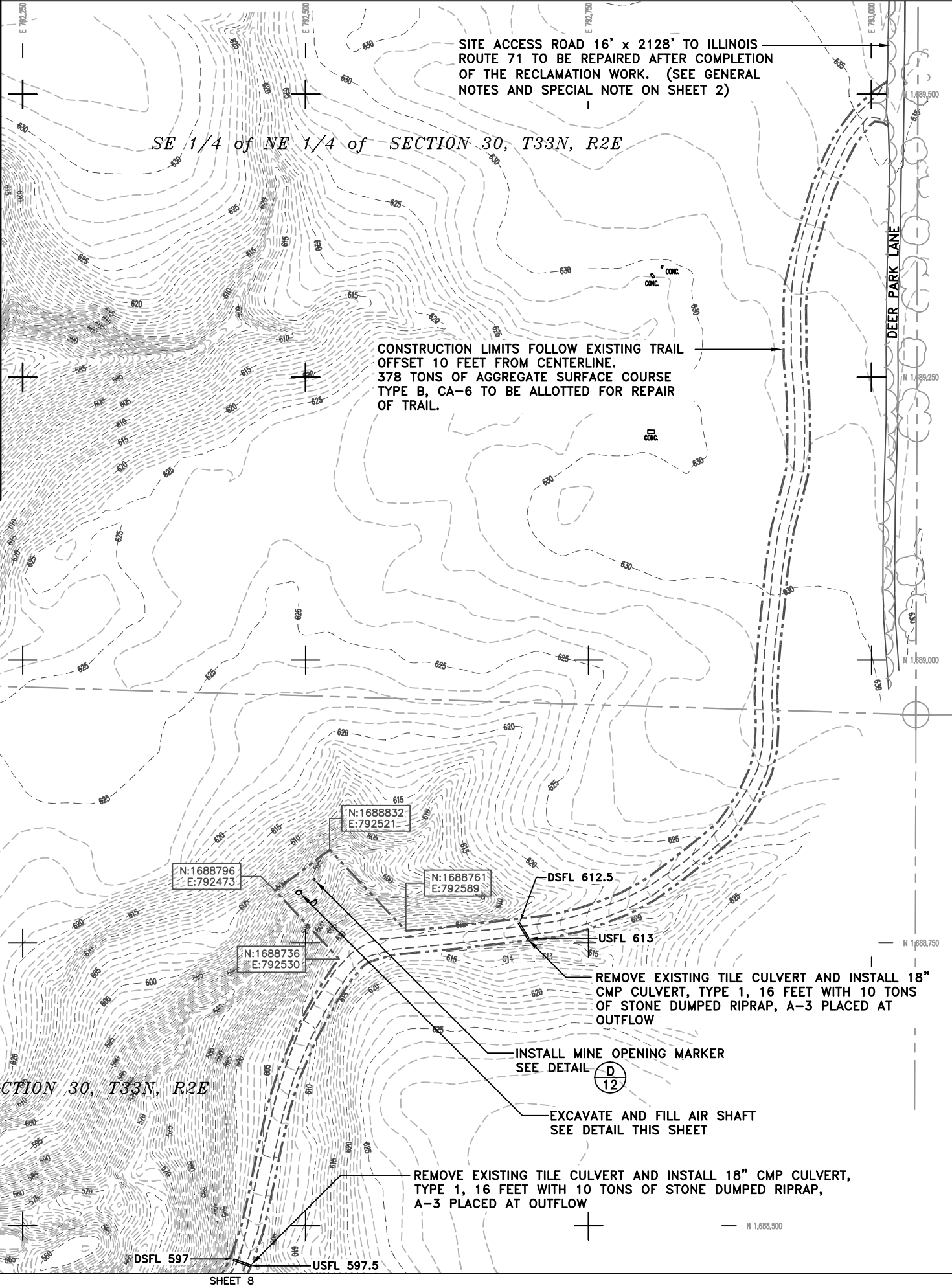
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Date: 9/29/2011

Existing & Proposed
Conditions
Sheet
5 of 12



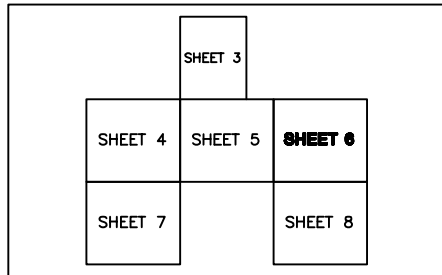
AIR SHAFT
NOT TO SCALE

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SHEET 5

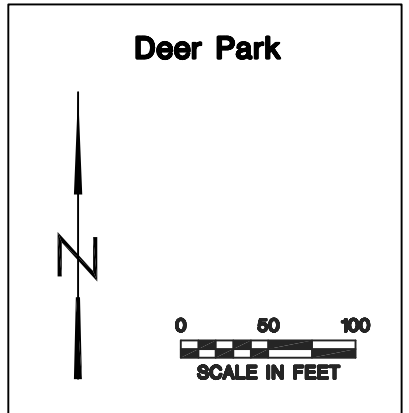
SHEET 8



Sheet Layout

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

Legend



State of Illinois
Department of Natural Resources

Deer Park Mine
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La Salle County

Drawn By: M-LF
Checked By:
Date: 10/3/2011

Existing & Proposed
Conditions
Sheet
6 of 12

NE 1/4 of SW 1/4 of SECTION 30, T33N, R2E

CONSTRUCT A NEW SITE ENTRANCE ROAD UTILIZING 104 TONS OF AGGREGATE SURFACE COURSE TYPE B, CA-1 (APPROXIMATELY 20' WIDE x 200' LONG x 6" THICK) AND 333 TONS OF AGGREGATE SURFACE COURSE TYPE B, CA-6 (APPROXIMATELY 20' WIDE x 300' LONG x 4" THICK)


INSTALL CONSTRUCTION PROJECT SIGN
EXACT LOCATION TO BE STAKED BY
PROJECT ENGINEER
SEE DETAIL THIS SHEET

SITE ACCESS
REMOVE EXISTING GATE AND INSTALL NEW 32' WIDE
GATE, INCLUDING 2-16 FOOT CATTLE PANELS, 2 GATE
POST, AND ALL REQUIRED HARDWARE (AS APPROVED BY
THE PROJECT ENGINEER) INCIDENTAL TO THE CONTRACT

| SPACING LETTERS | |
|-----------------|------|
| 2.0" | 3.5" |
| 1.5" | 3.5" |
| 1.5" | 3.5" |
| 1.5" | 3.5" |
| 3.5" | 3.0" |
| 3.5" | 3.0" |
| 1.5" | 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

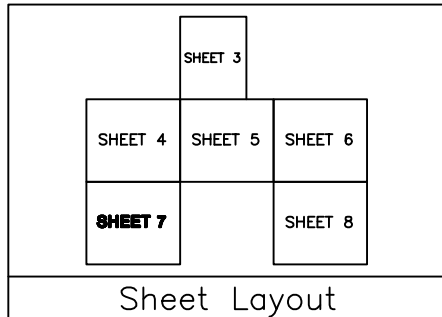
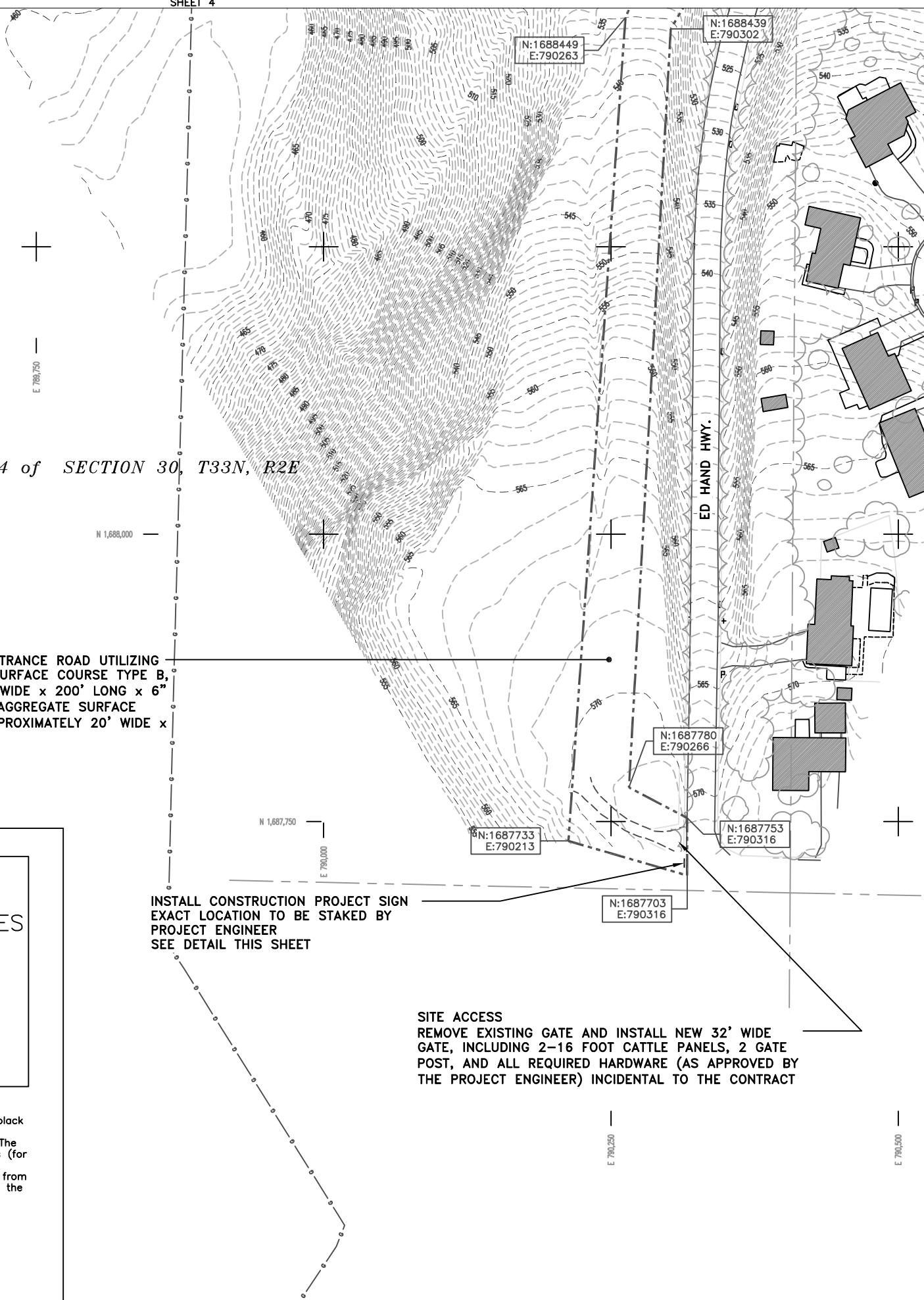
PAT QUINN, GOVERNOR

 Marc Miller, Director
Department of Natural Resources

In cooperation with the Office of Surface Mining
United States Department of the Interior

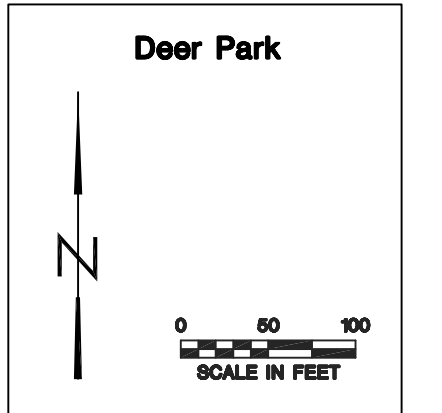
CONSTRUCTION SIGN DETAIL

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.



Legend

| | | |
|--|-----|----------------------|
| | 400 | EXISTING CONTOUR |
| | 400 | PROPOSED CONTOUR |
| | | CONSTRUCTION LIMITS |
| | | EDGE OF ROAD |
| | | TREELINE |
| | | EDGE OF WATER |
| | | SURVEY CONTROL POINT |

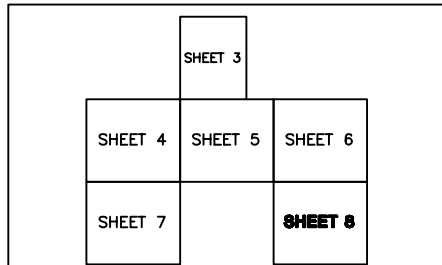


Drawn By: M-LF
Checked By: _____
Date: 10/3/2011



NE 1/4 of SE 1/4 of SECTION 30, T33N, R2E

REMOVE EXISTING TILE CULVERT AND INSTALL 18" CMP CULVERT, TYPE 1, 16 FEET WITH 10 TONS OF STONE DUMPED RIPRAP, A-3 PLACED AT OUTFLOW



Sheet Layout

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

Legend

Deer Park

SCALE IN FEET

State of Illinois
Department of Natural Resources

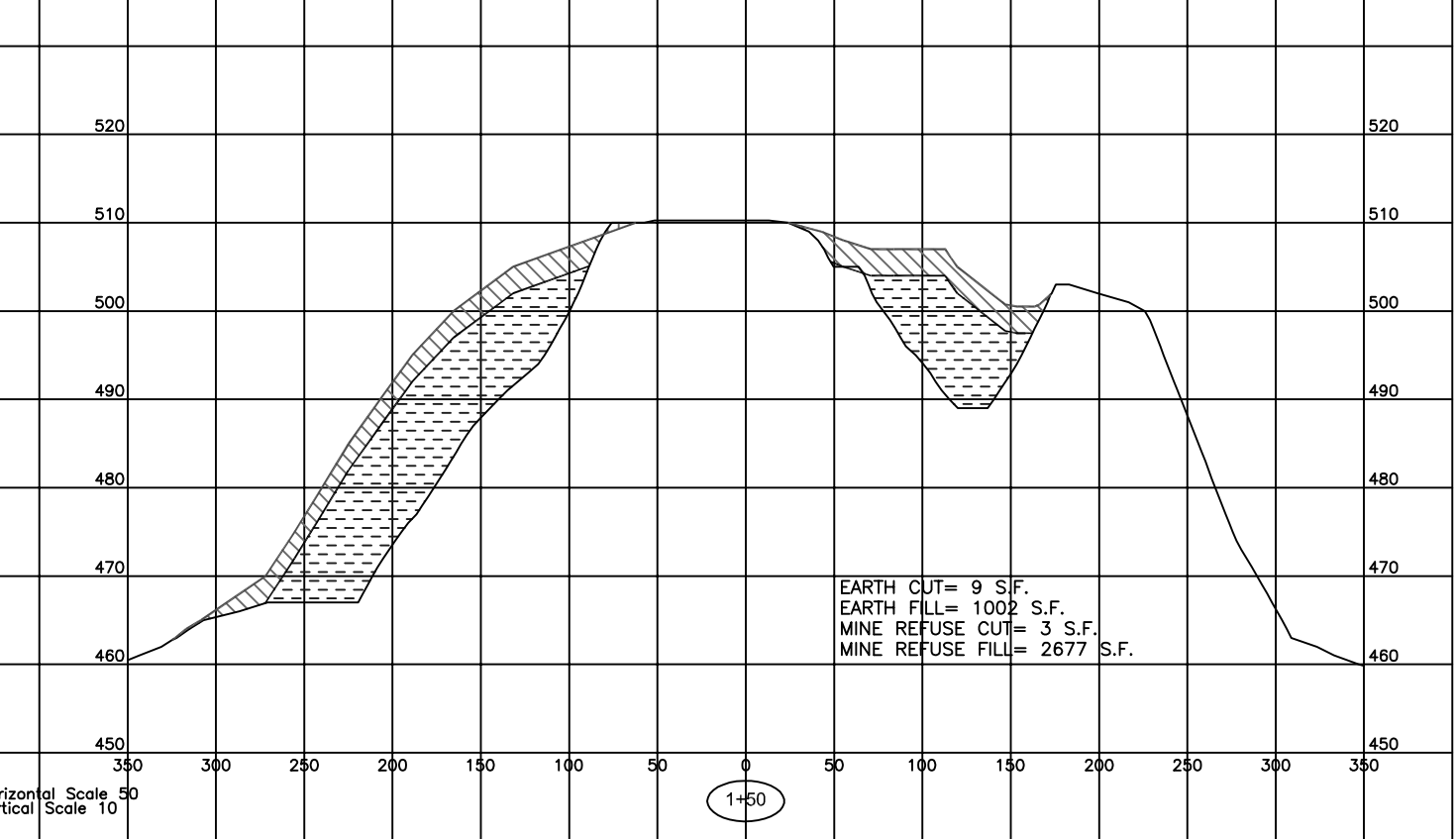
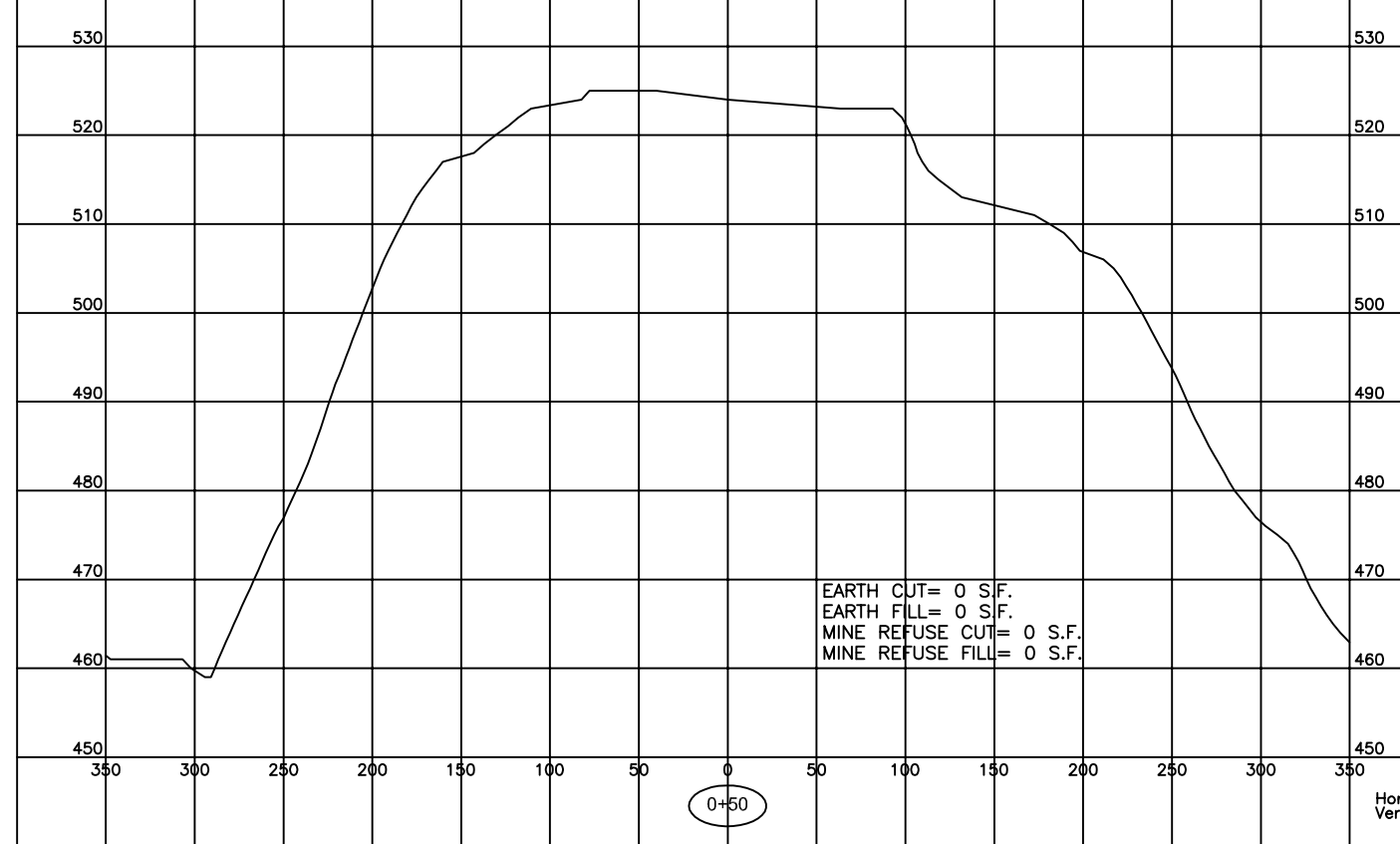
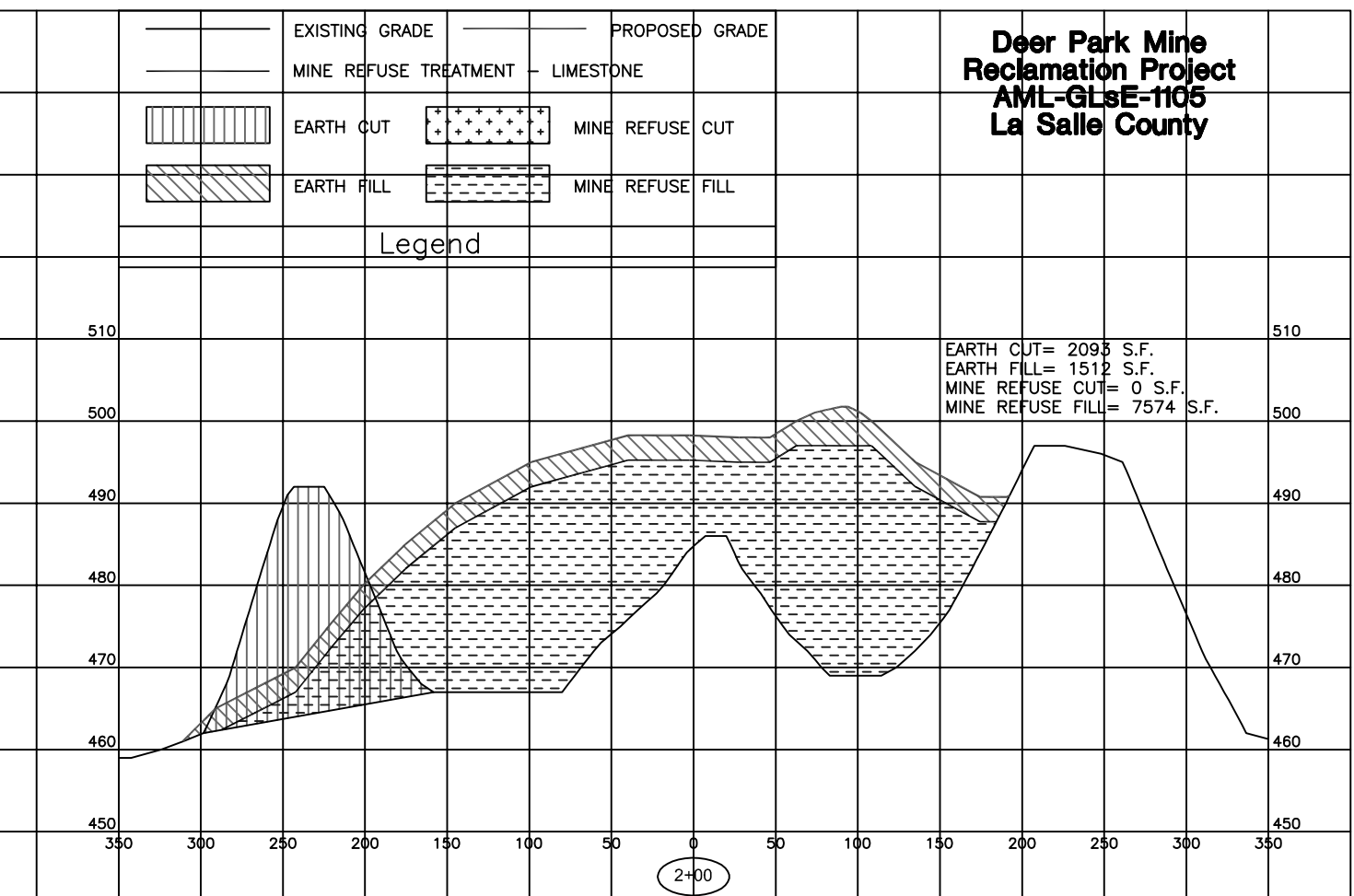
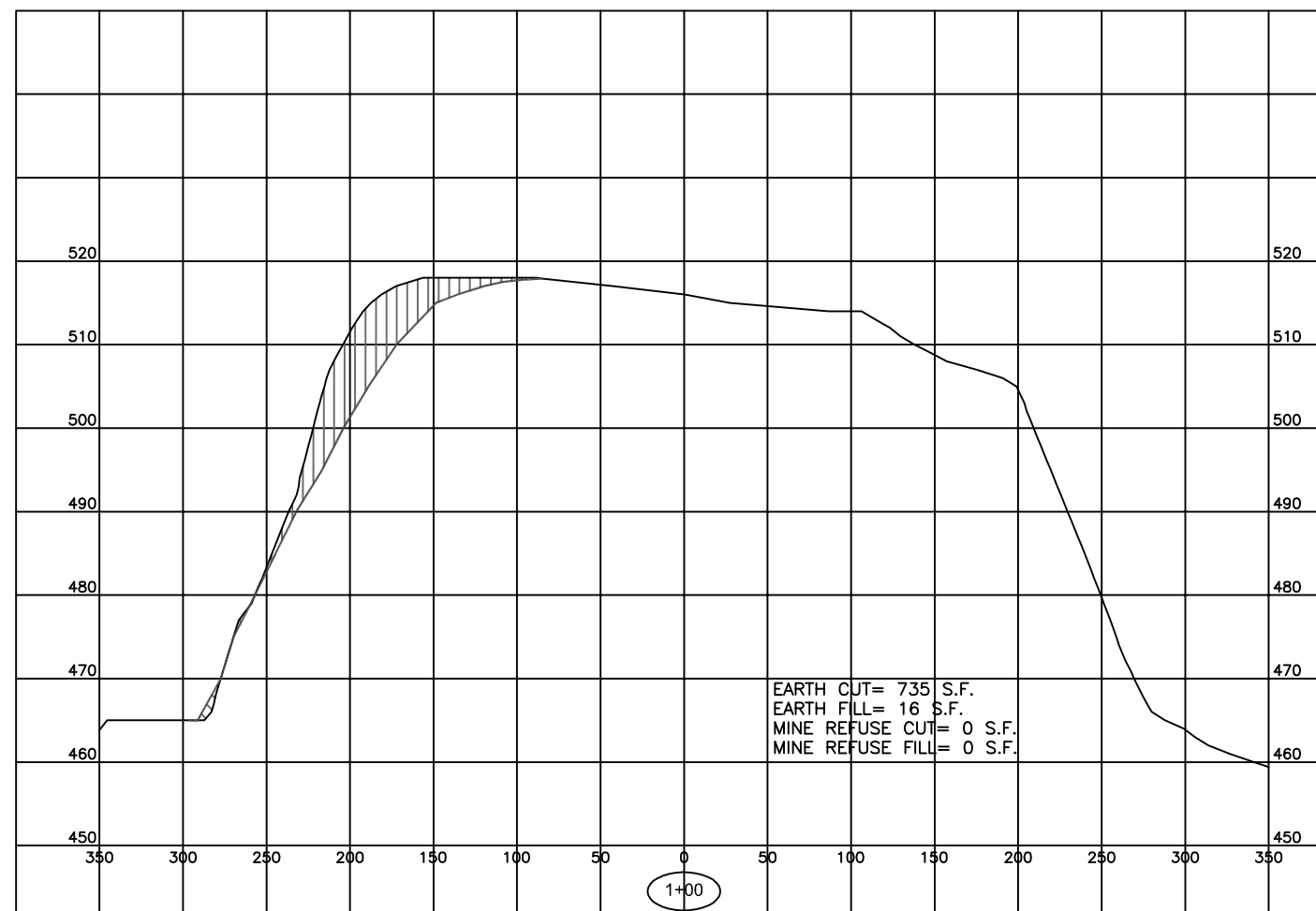
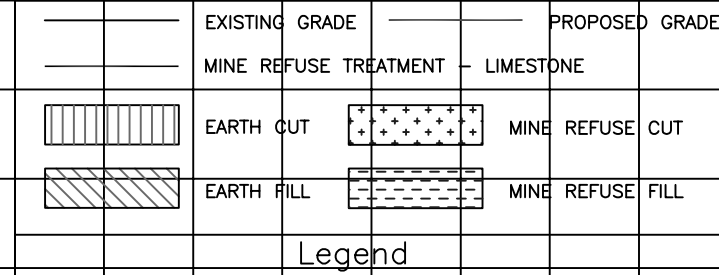
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Checked By: _____

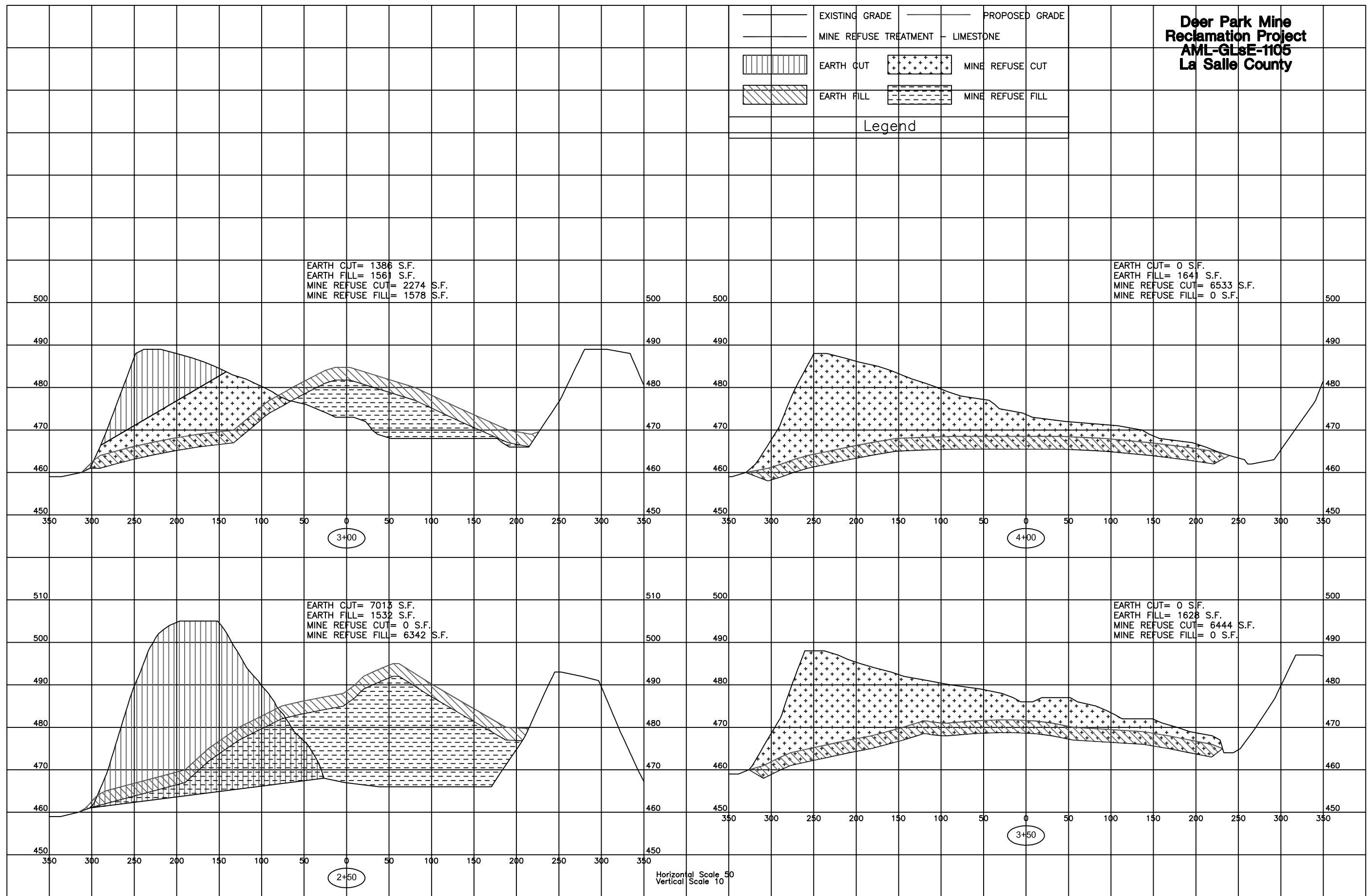
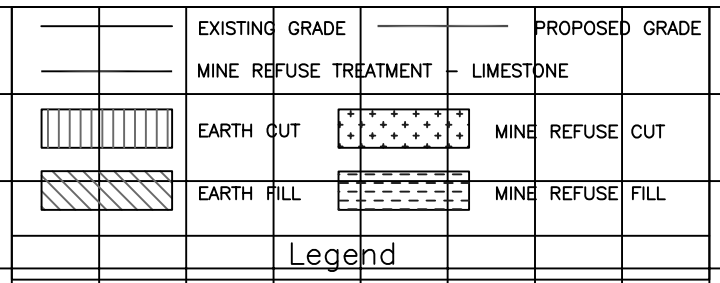
Existing & Proposed
Conditions
Sheet
8 of 12

**Deer Park Mine
Reclamation Project
AML-GLsE-1105
La Salle County**



Horizontal Scale 50
Vertical Scale 10

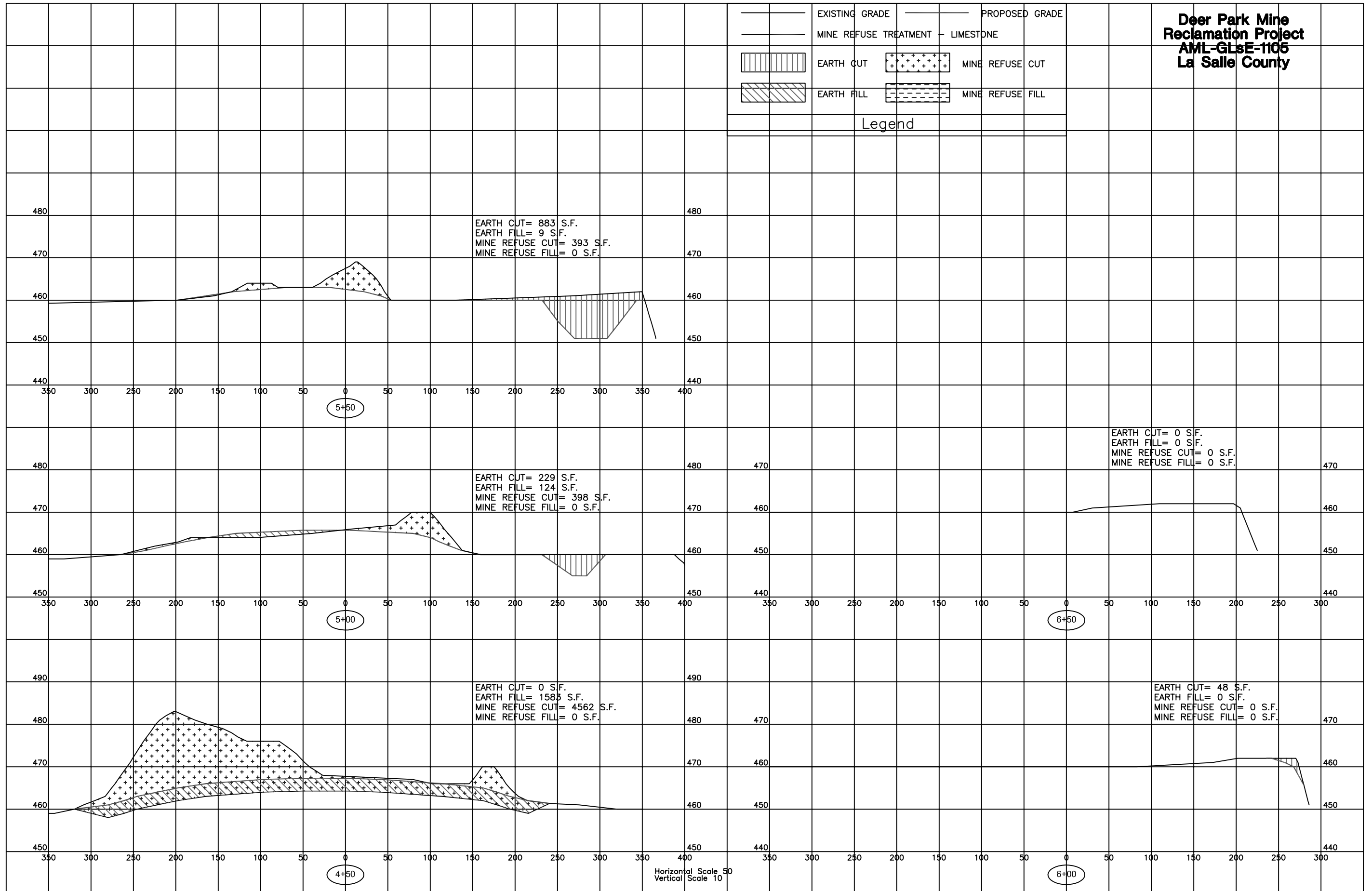
**Deer Park Mine
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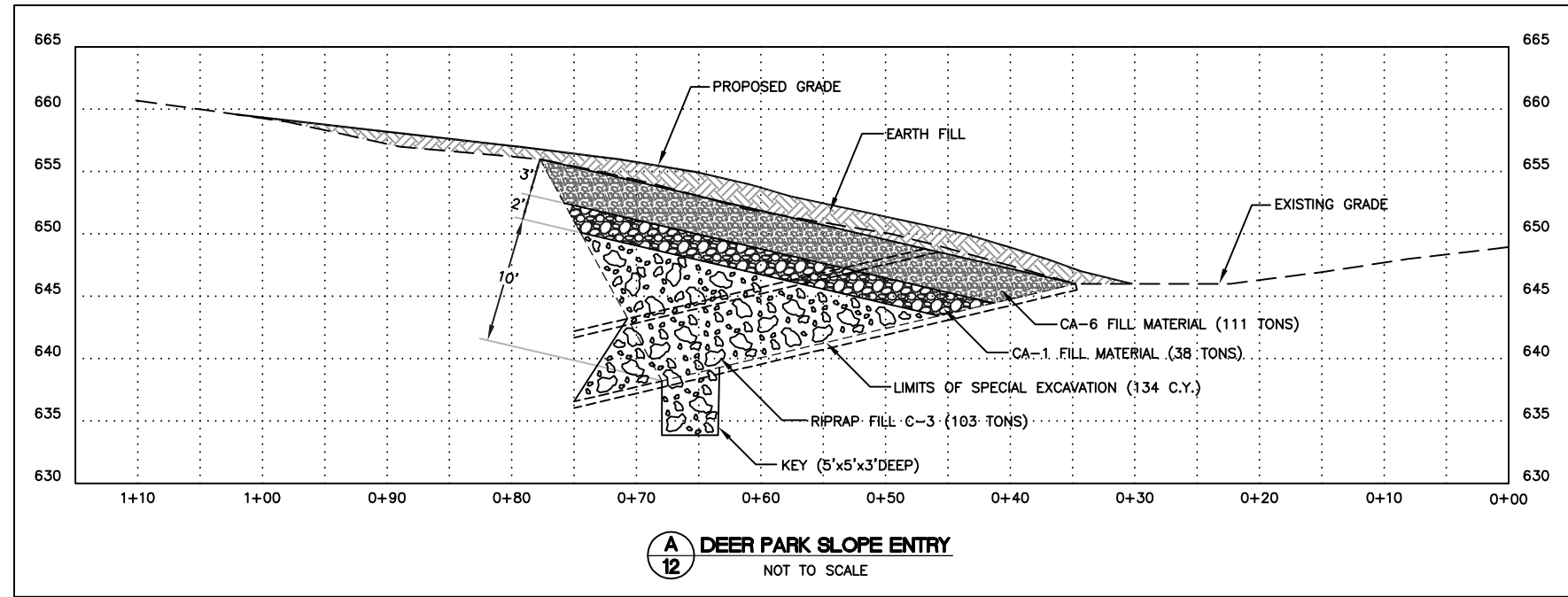


**Deer Park Mine
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| | | | |
|--|-----------------------|--|------------------|
| | EXISTING GRADE | | PROPOSED GRADE |
| | MINE REFUSE TREATMENT | | LIMESTONE |
| | EARTH CUT | | MINE REFUSE CUT |
| | EARTH FILL | | MINE REFUSE FILL |

Legend





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

