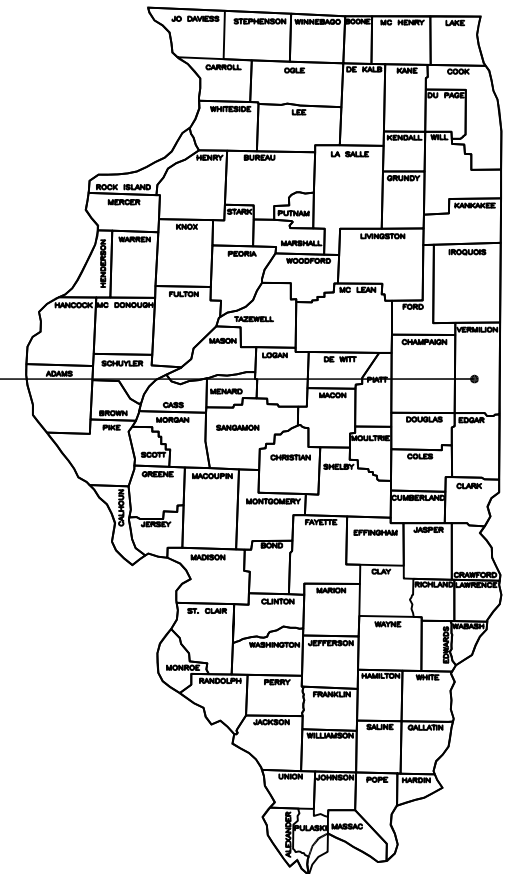


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands

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

Harmattan Mine North
 Reclamation Project
 AML-GVeE-1006
 Vermilion County
 3LR

Harmattan Mine North
 Vermilion County



Pre-Bid Meeting:

A pre-bid meeting will be held at the site at 10:30 A.M. on Thursday, November 10, 2011. All interested prime and subcontractors are encouraged to attend.

Certified Copy


SCHEDULE OF DRAWINGS:

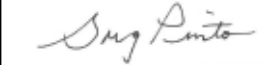
1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
- 3-4. Typical Sections/Details
5. Site Plan/Construction Limits/Survey Control Information
6. Highwall Area/Existing and Proposed Conditions
7. Highwall Area/Erosion Control and Planting Plan
- 8-13. Cross Sections


IDOT Standards


- 602401 - Manhole, Type A
- 602701 - Cast Iron Steps
- 604036 - Grate, Type 8

Prepared By IDNR Staff

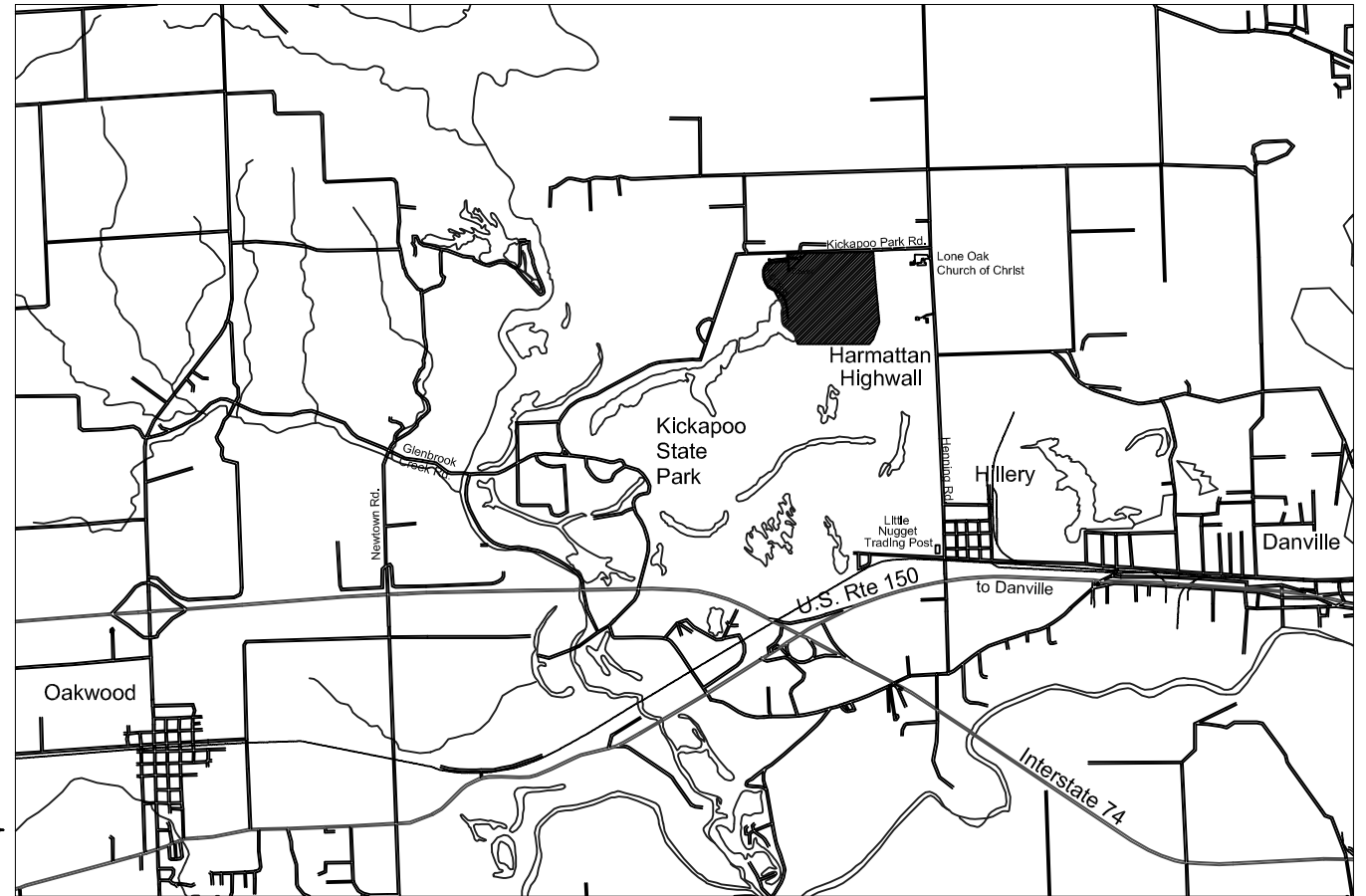
Approved for Bidding:

 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	Quantity	Unit Rates/Remarks
1	Special Clearing	201	1	L.S.
2	Earth Excavation	202	97,161	C.Y.
3	Seeding - Class 6, Conservation Mix	IDOT 250	27.5	Acre
4	Nitrogen Fertilizer Nutrient	IDOT 250	4,950	Pound 90 Lbs./Acre - each application
5	Phosphorous Fertilizer Nutrient	IDOT 250	4,400	Pound 80 Lbs./Acre - each application
6	Potassium Fertilizer Nutrient	IDOT 250	8,250	Pound 150 Lbs./Acre - each application
7	Agricultural Ground Limestone	IDOT 250	137.5	Ton 5 Tons/Acre - at time of seeding
8	Mulch, Method 2, Procedure 1	IDOT 251	17.9	Acre 2 Tons/Acre
9	Trees - Eastern Redbud, 1.5" BB	IDOT 253	12	Each
10	Trees - Red Oak, 1.5" BB	IDOT 253	10	Each
11	Trees - Flowering Crabapple "Lemoine", 1.5" BB	IDOT 253	8	Each
12	Trees - Gray Dogwood, 1.5" BB	IDOT 253	12	Each
13	Trees - Norway Maple, 1.5" BB	IDOT 253	8	Each
14	Perimeter Erosion Barrier	IDOT 280	3,330	Foot Silt Filter Fence
15	Perimeter Erosion Barrier	IDOT 280	1,400	Foot Rolled Excelsior - 12" Diameter
16	Stone Riprap A-4	IDOT 281	1,213	S.Y.
17	Filter Fabric	IDOT 282	1,488	S.Y.
18	Aggregate Ditch	IDOT 283	131	Ton
19	Special Excelsior Blanket	286	46,200	S.Y.
20	Pipe Culverts, Class D, Type 3- 12" Dia.	IDOT 542	653	Foot
21	Manholes, Type A	IDOT 602	2	Each
22	Grates, Type 8	IDOT 604	2	Each
23	Mobilization (Max. 6% of Bid)	671	1	L.S.



Location Map

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 per Sections 201 and 202 of the Special Provisions. All tree removal shall be completed before April 1, 2012.

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.

Schedule of Seeding and Soil Amendments;

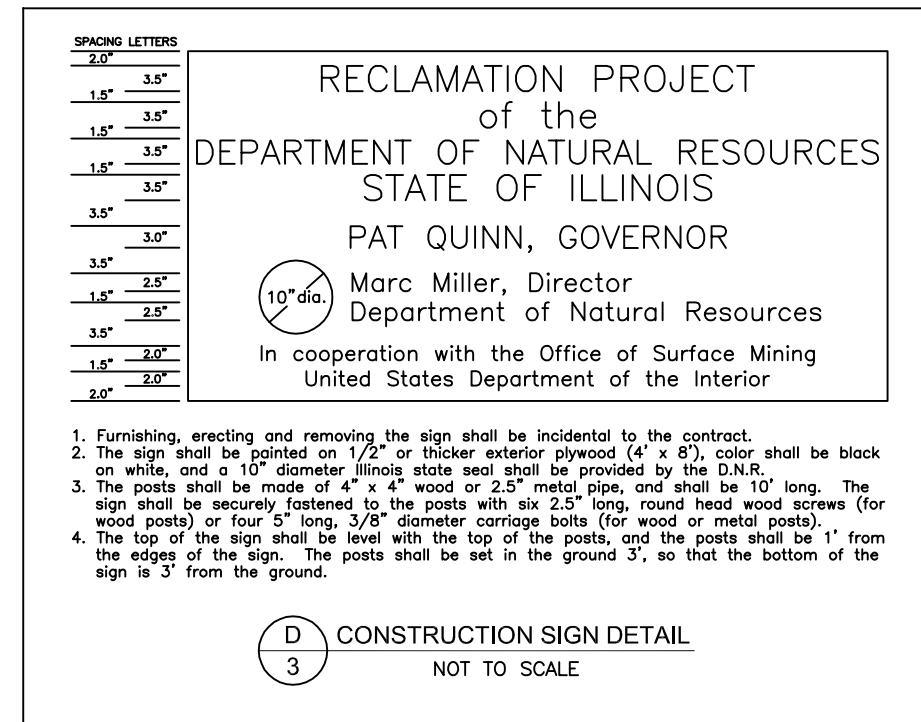
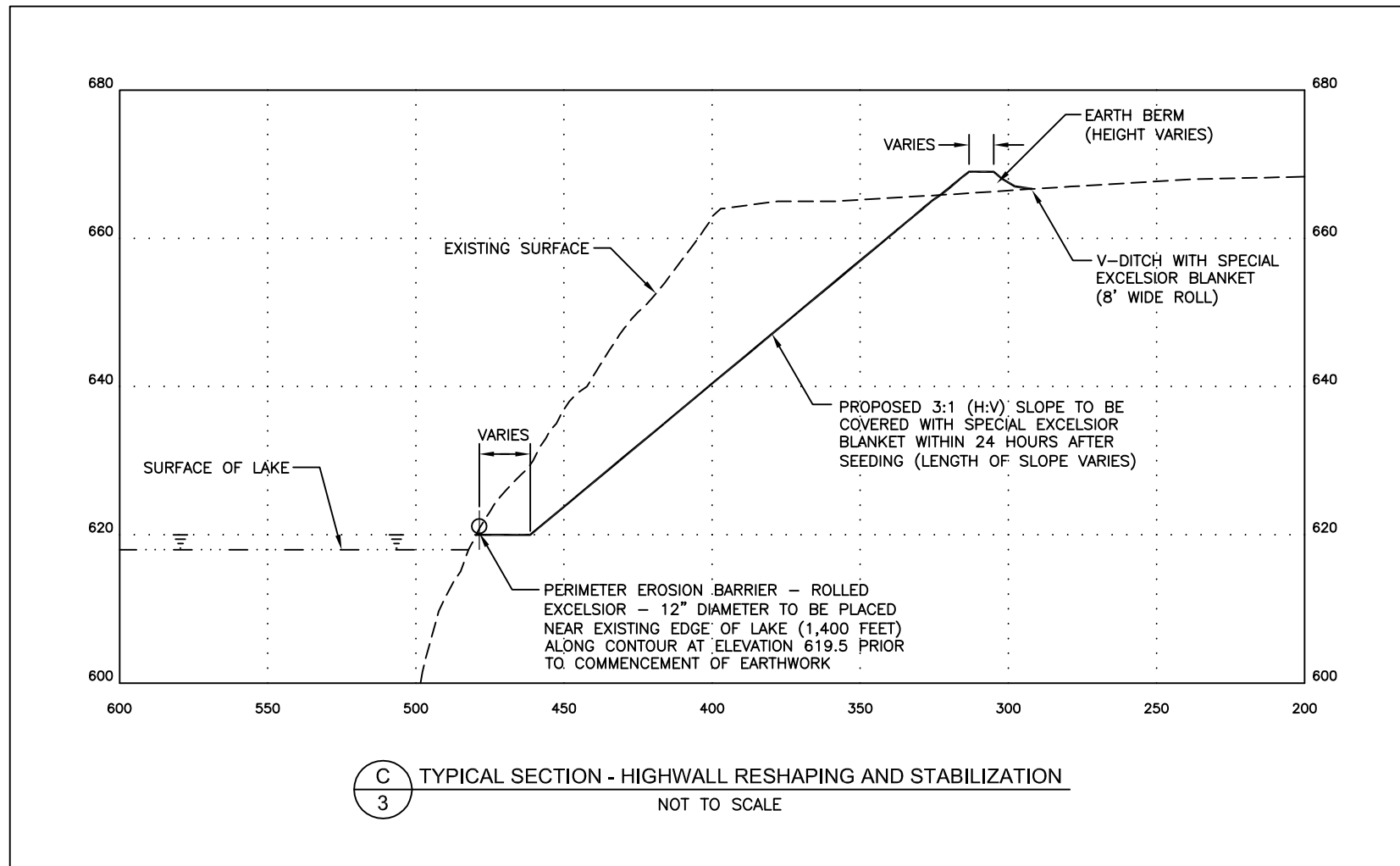
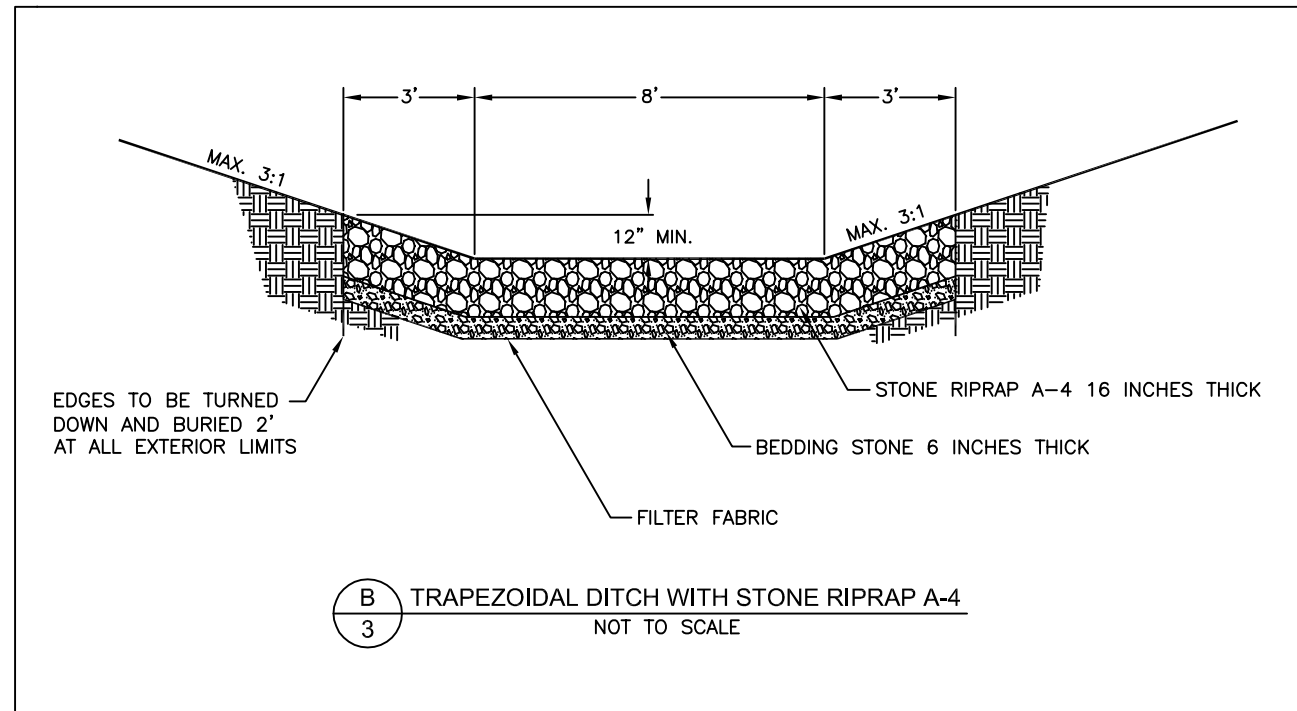
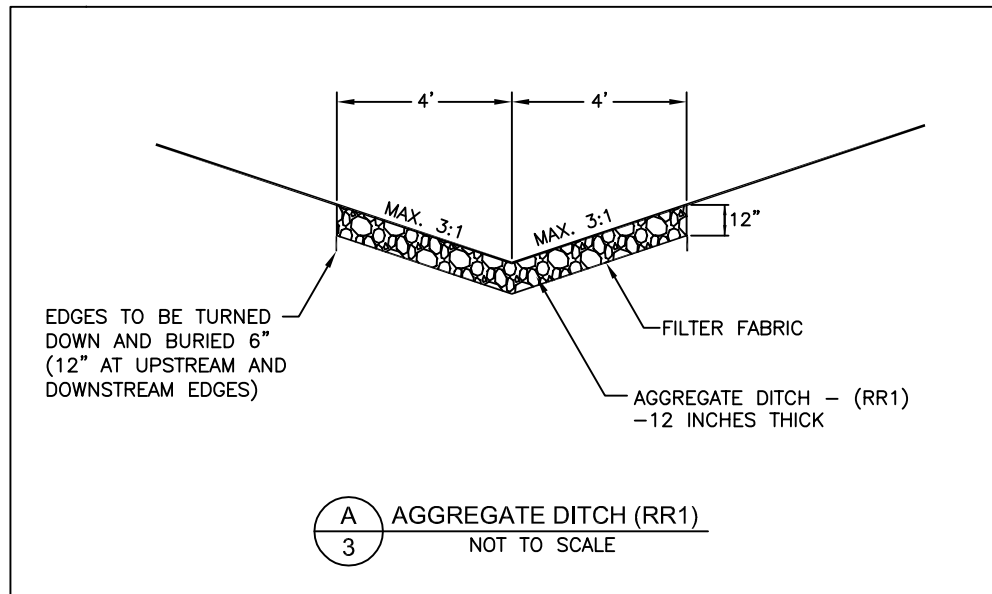
The contractor shall coordinate the work, so that as much of the project as practicle can be brought to the final grade and seeded during the Spring seeding period (March1, 2012 through April 30, 2012). All areas seeded during the Spring shall recieve a second application of fertilizer during the month of August, 2012. Areas which are not seeded during the Spring seeding period shall be seeded during the late Summer seeding period (August 1, 2012 through August 30, 2012). All areas seeded during the late Summer seeding period shall recieve a second application of fertilizer during the Spring seeding period (March1, 2013 through April 30, 2013).

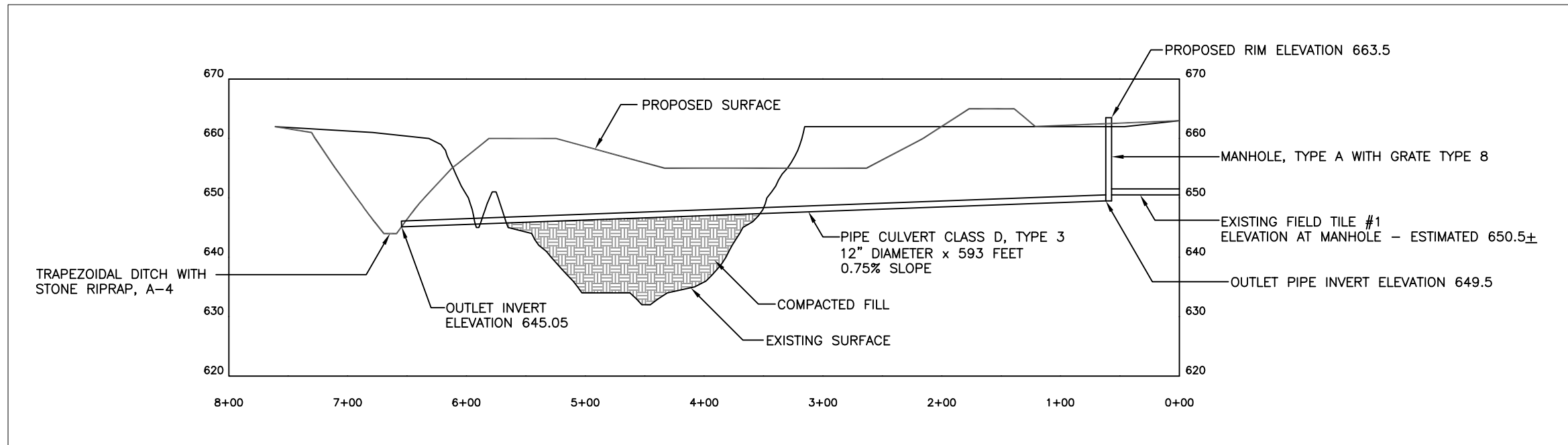
State of Illinois
Department of Natural Resources

Harmattan Mine North
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AML-GVeE-1006
Vermillion County

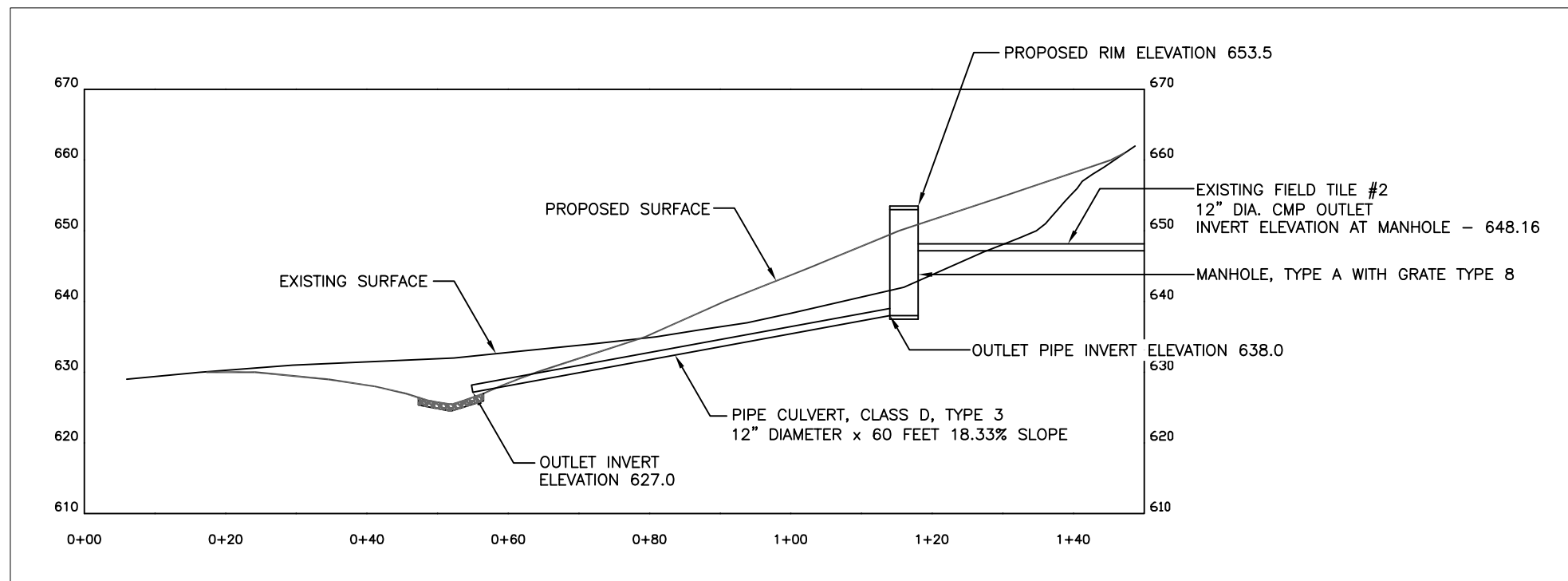
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Checked By:
Date: 10/12/11

Summary of Quantities/
General Notes/Location Map
Sheet
2 of 13

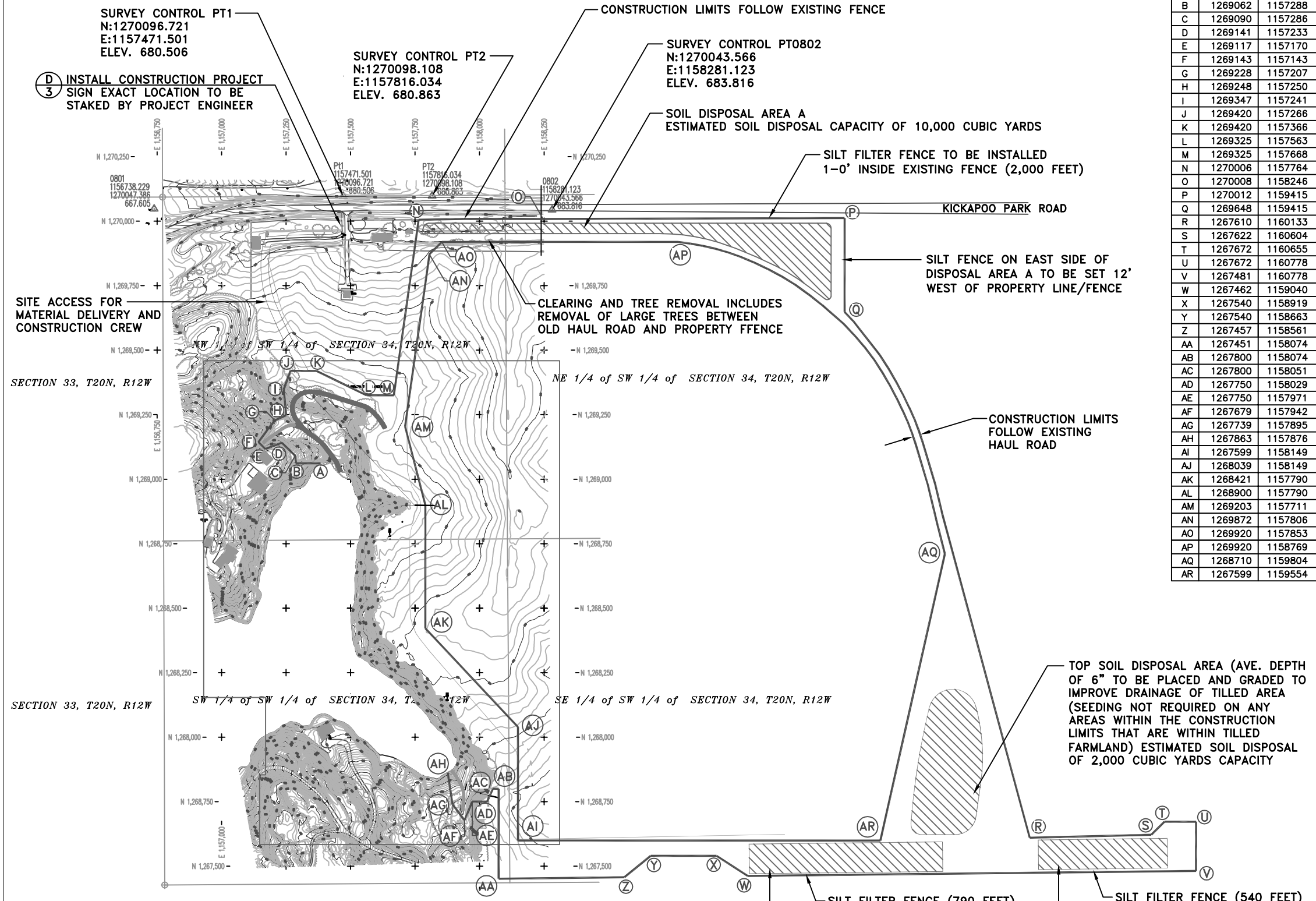




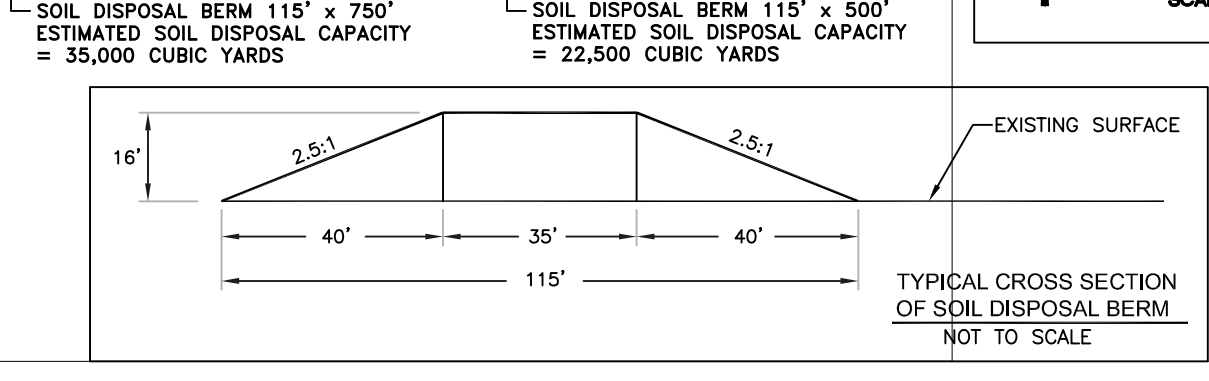
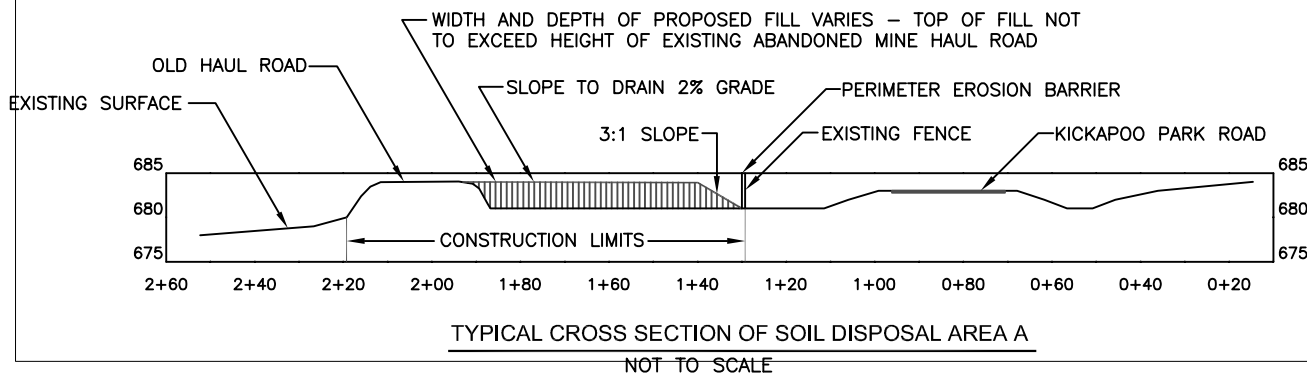
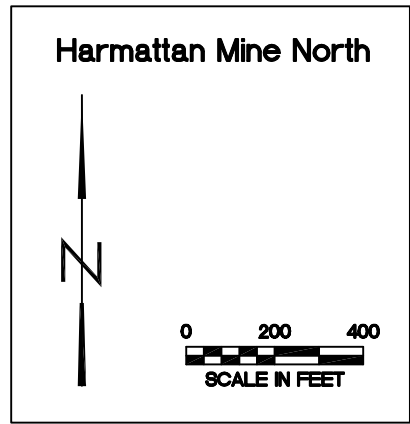
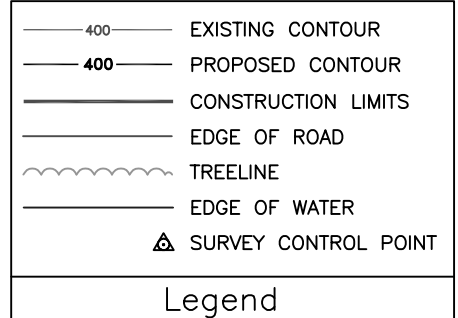
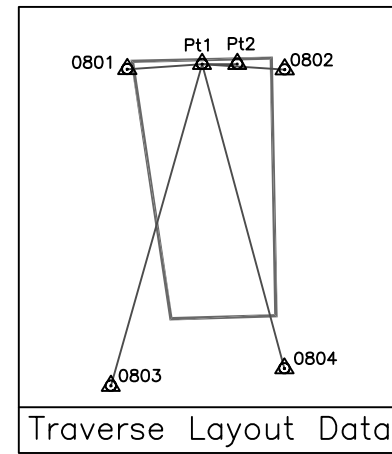
E
4 PROPOSED EXTENSION OF FIELD TILE #1 OUTLET
NOT TO SCALE



F
4 PROPOSED EXTENSION OF FIELD TILE #2 OUTLET
NOT TO SCALE

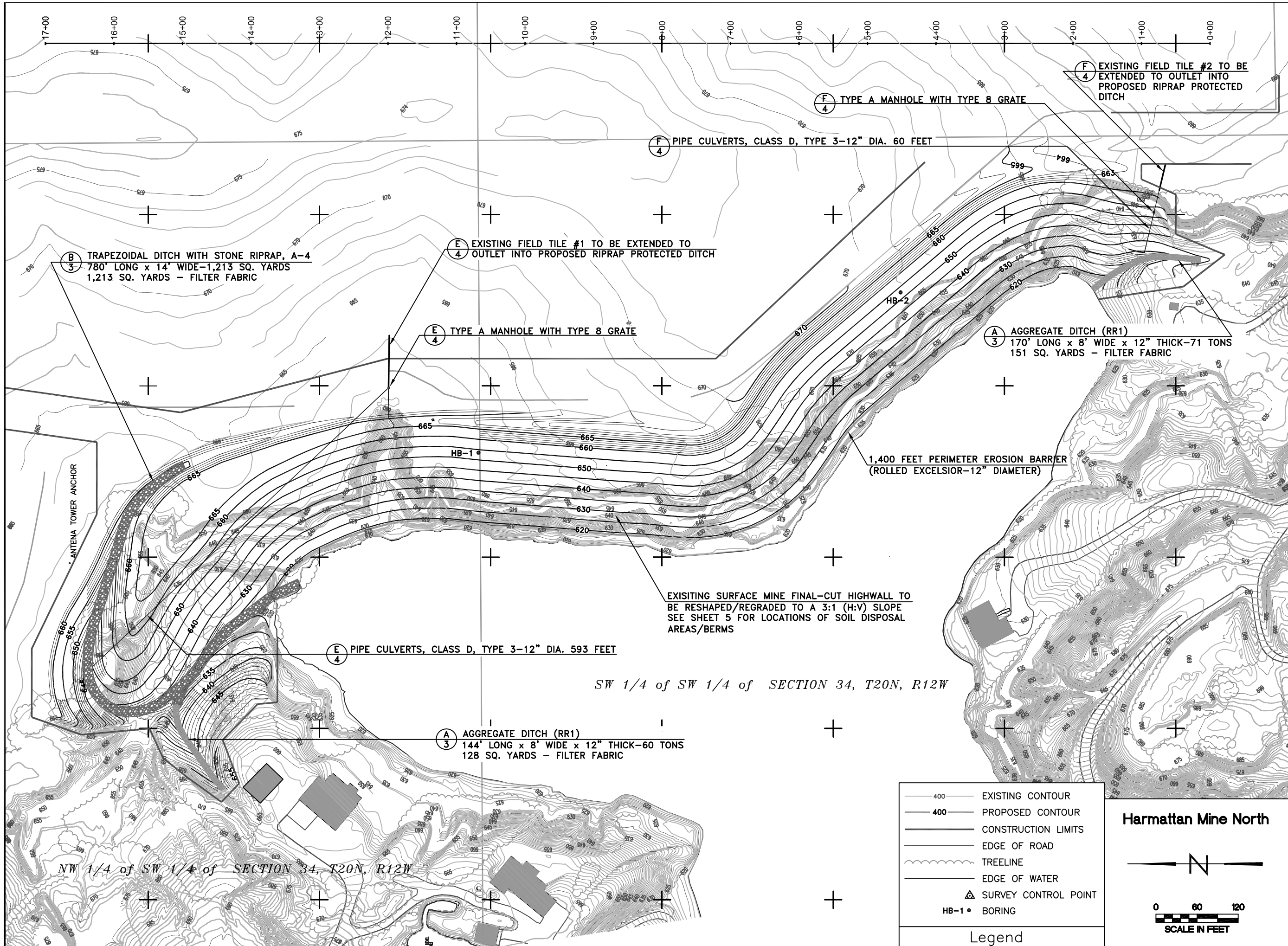


	NORTHING	EASTING
A	1269062	1157384
B	1269062	1157288
C	1269090	1157286
D	1269141	1157233
E	1269117	1157170
F	1269143	1157143
G	1269228	1157207
H	1269248	1157250
I	1269347	1157241
J	1269420	1157266
K	1269420	1157366
L	1269325	1157563
M	1269325	1157668
N	1270006	1157764
O	1270008	1158246
P	1270012	1159415
Q	1269648	1159415
R	1267610	1160133
S	1267622	1160604
T	1267672	1160655
U	1267672	1160778
V	1267481	1160778
W	1267462	1159040
X	1267540	1158919
Y	1267540	1158663
Z	1267457	1158561
AA	1267451	1158074
AB	1267800	1158074
AC	1267800	1158051
AD	1267750	1158029
AE	1267750	1157971
AF	1267679	1157942
AG	1267739	1157895
AH	1267863	1157876
AI	1267599	1158149
AJ	1268039	1158149
AK	1268421	1157790
AL	1268900	1157790
AM	1269203	1157711
AN	1269872	1157806
AO	1269920	1157853
AP	1269920	1158769
AQ	1268710	1159804
AR	1267599	1159554



SOIL DISPOSAL BERM 115' x 750'
ESTIMATED SOIL DISPOSAL CAPACITY = 35,000 CUBIC YARDS

SOIL DISPOSAL BERM 115' x 500'
ESTIMATED SOIL DISPOSAL CAPACITY = 22,500 CUBIC YARDS



State of Illinois
Department of Natural Resources

Harmattan Mine North
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AML-GVeE-1006
Vermilion County

Drawn By: _____ Date: 10/19/2011
Checked By: _____

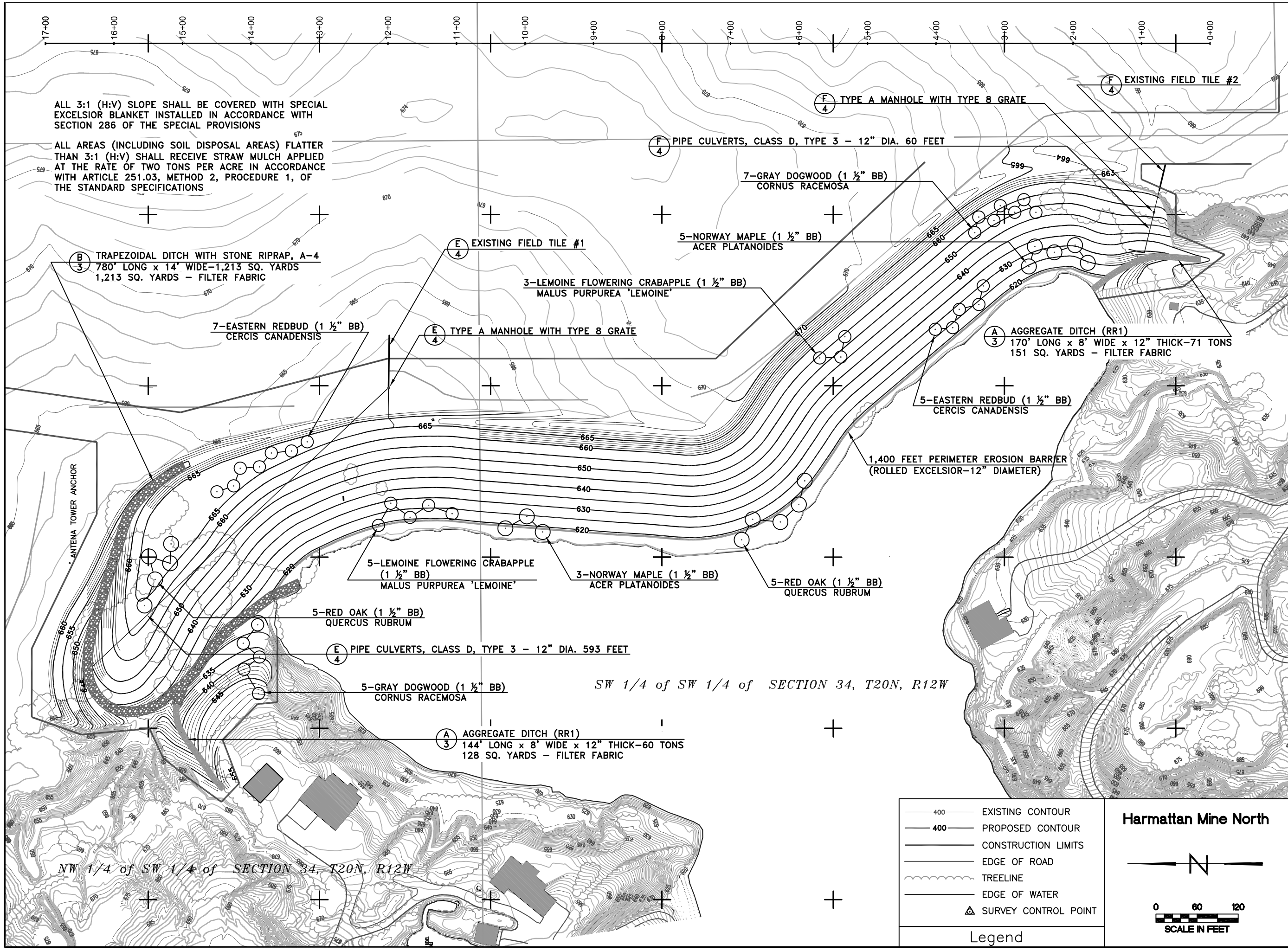
Highwall Area/Existing and
Proposed Conditions
Sheet
6 of 13

Legend

- 400 — EXISTING CONTOUR
- 400 — PROPOSED CONTOUR
- CONSTRUCTION LIMITS
- EDGE OF ROAD
- TREELINE
- EDGE OF WATER
- △ SURVEY CONTROL POINT
- HB-1 • BORING

Harmattan Mine North

SCALE IN FEET



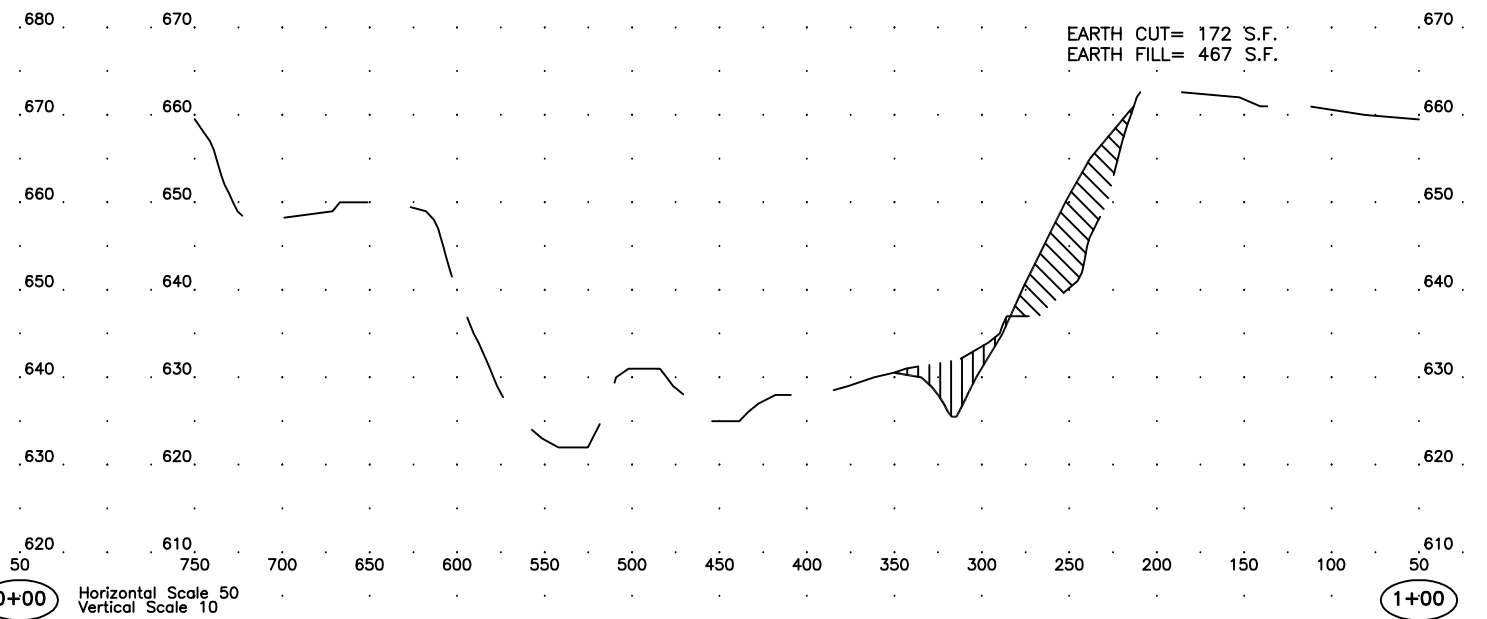
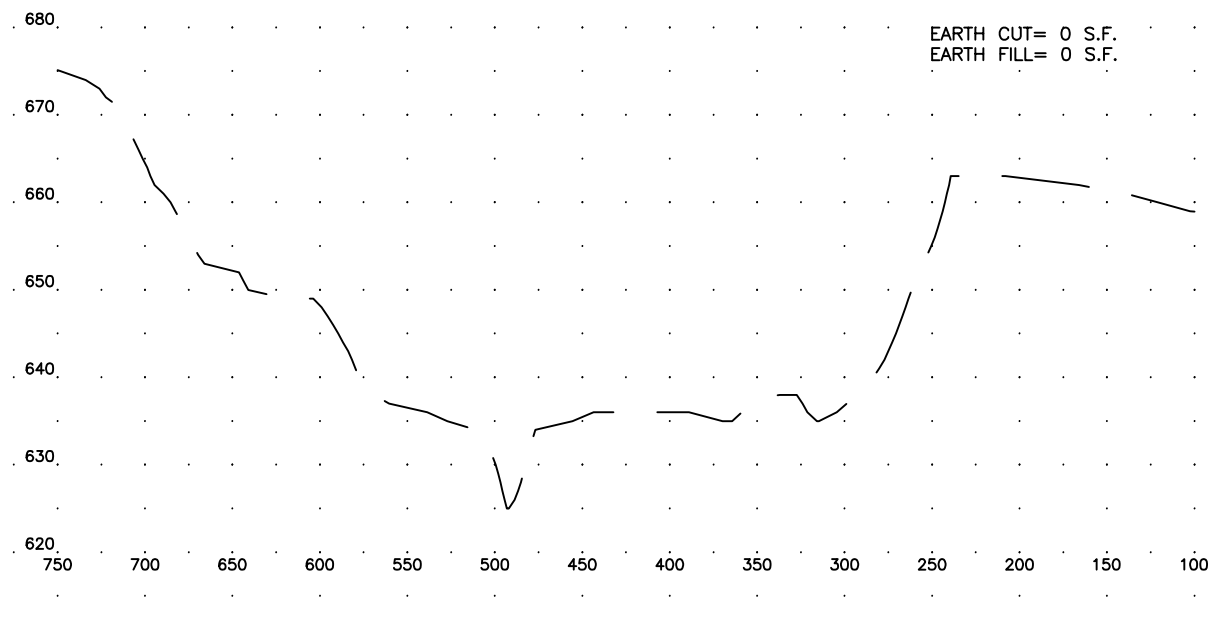
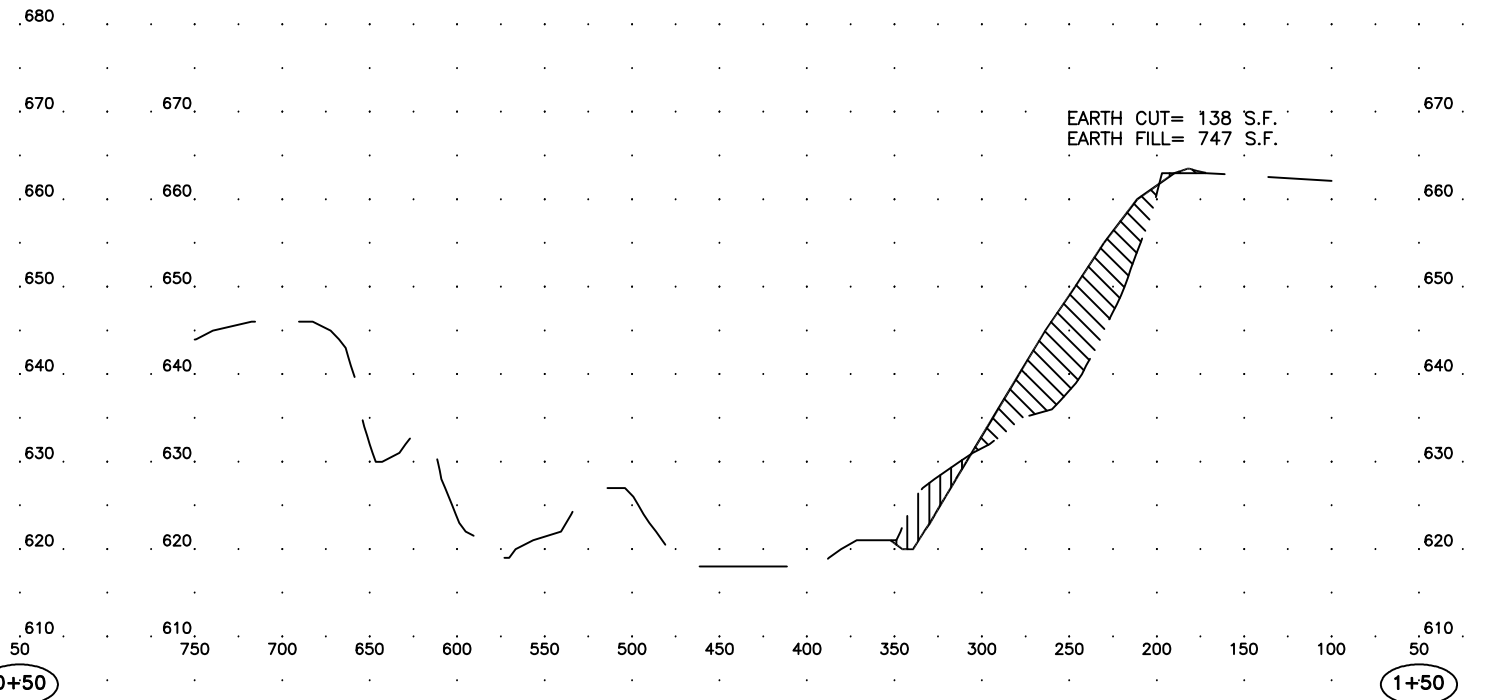
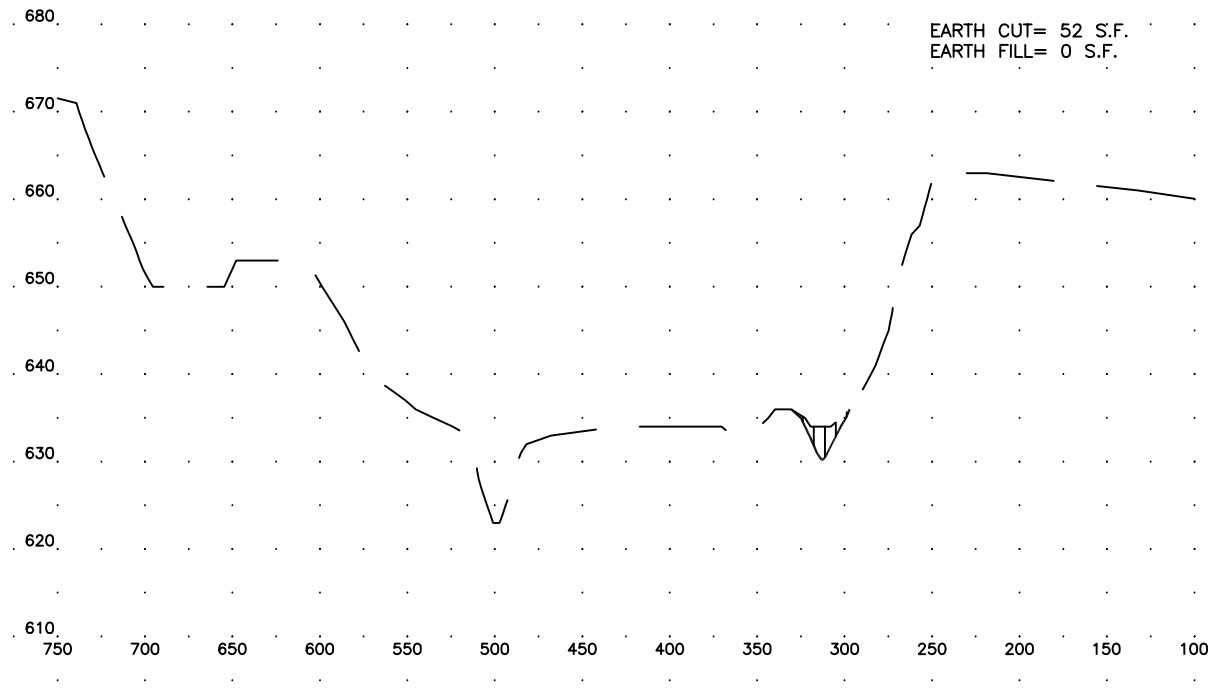
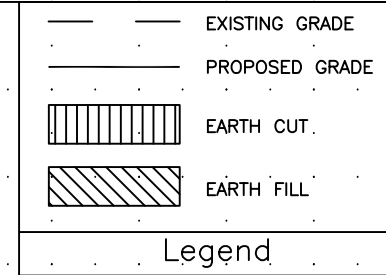
Legend

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

Harmattan Mine North

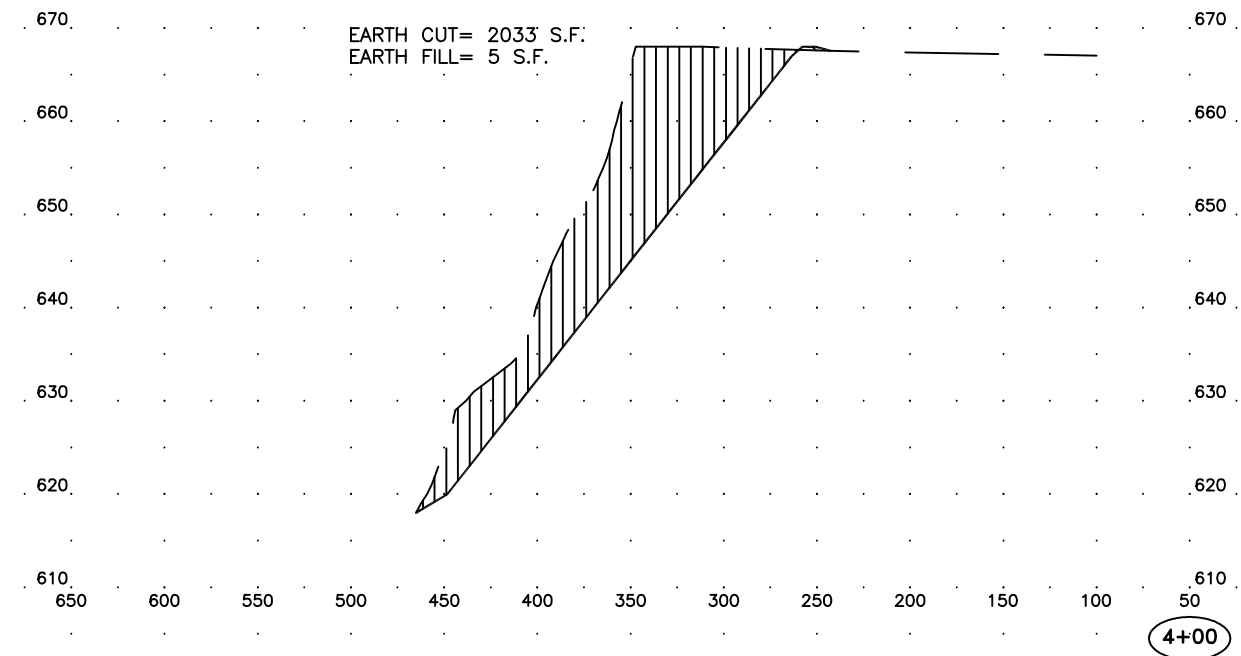
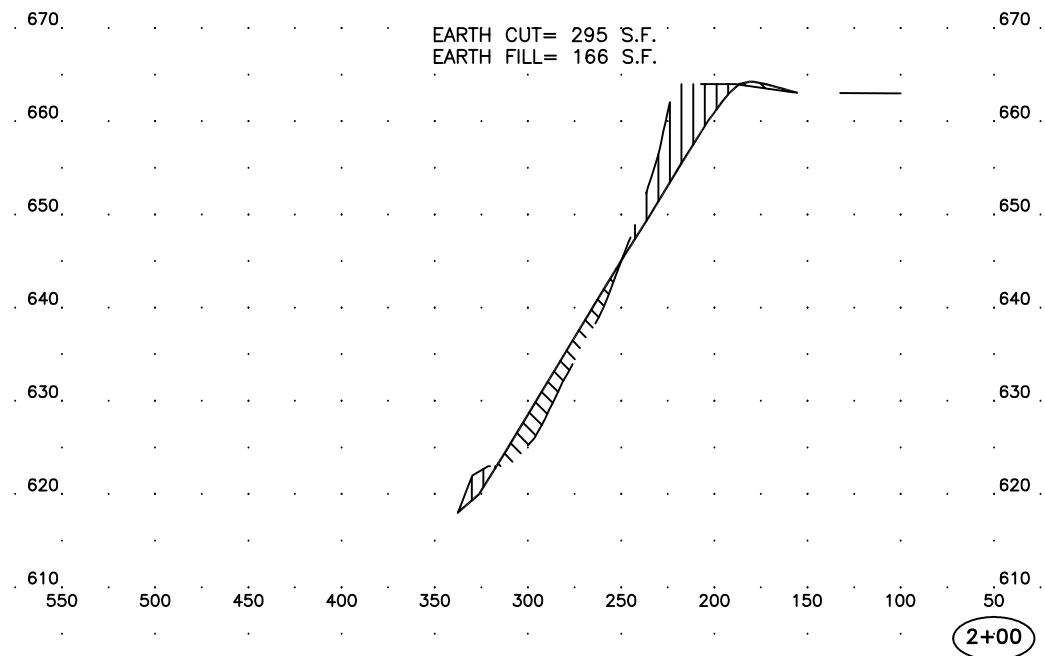
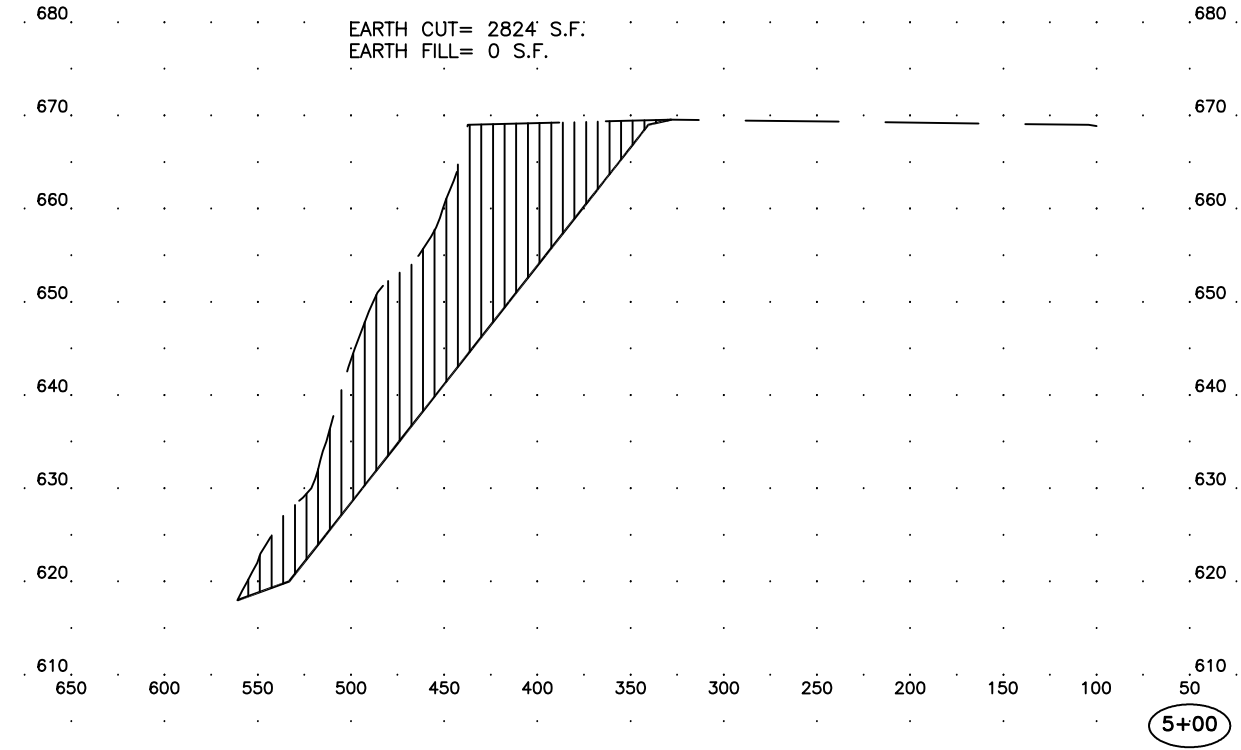
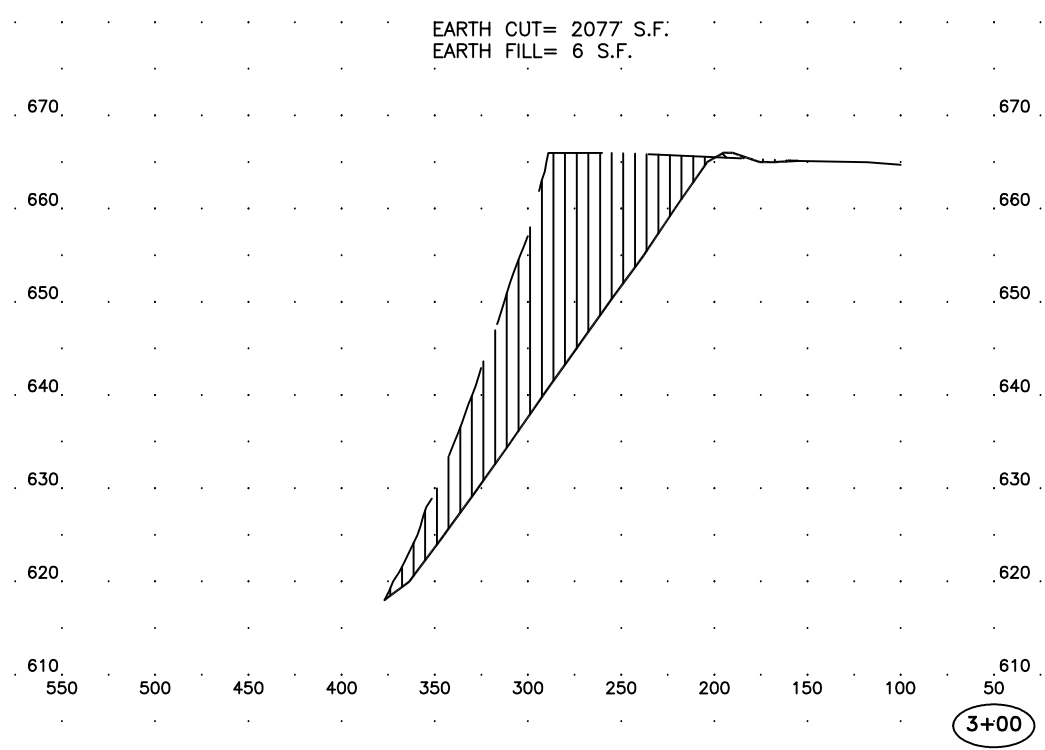
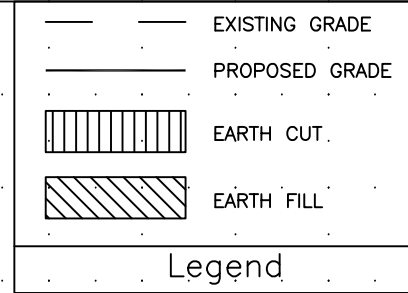
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**Harmattan Mine North
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Vermilion County**



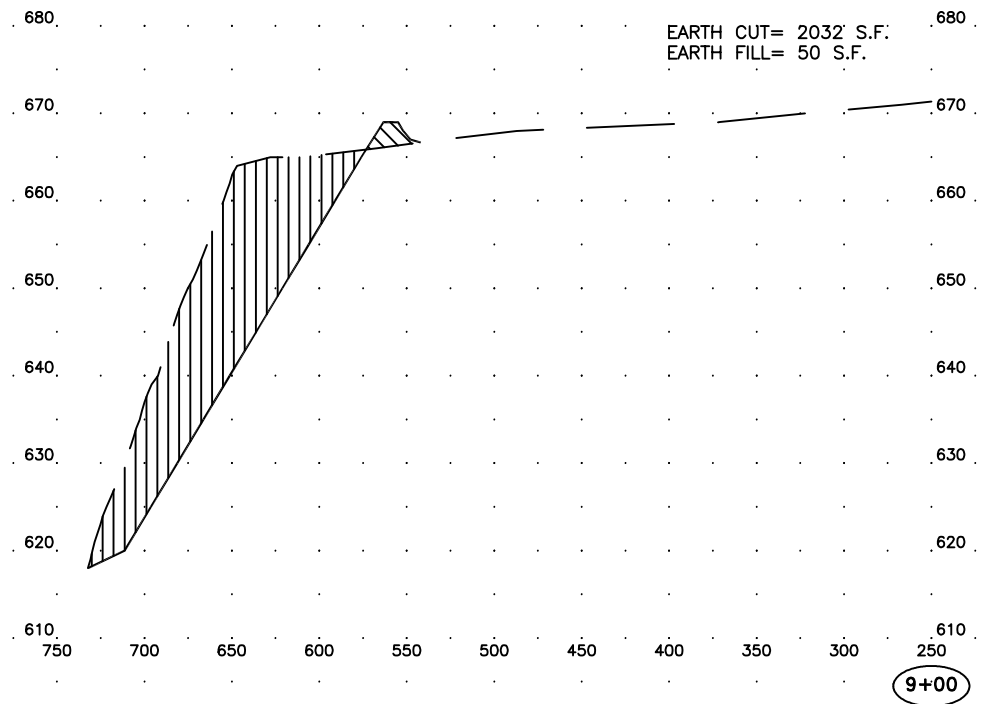
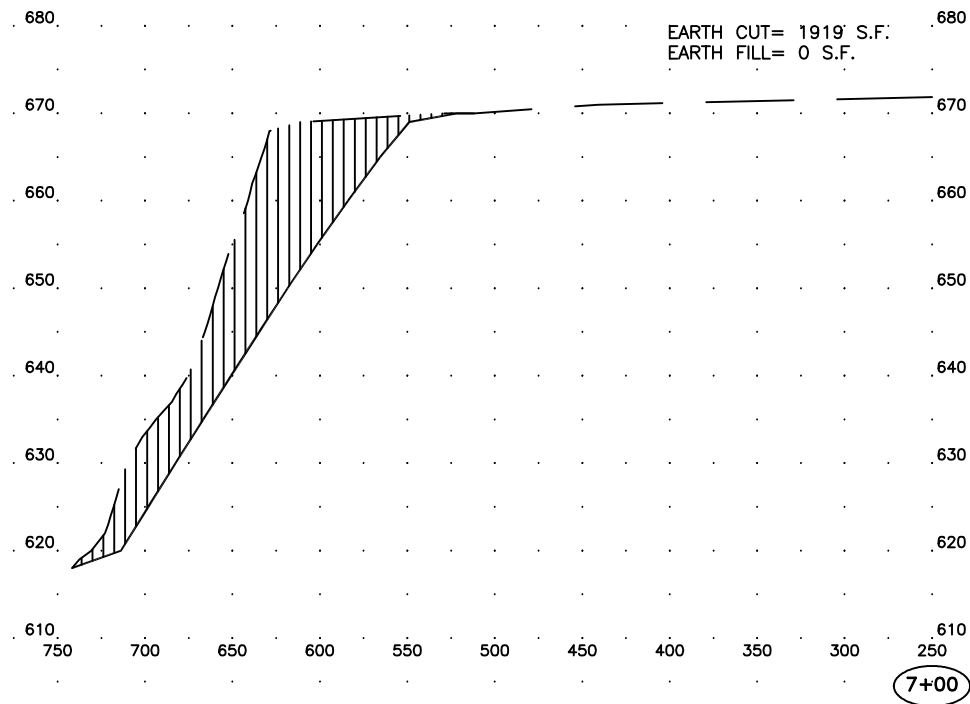
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**Harmattan Mine North
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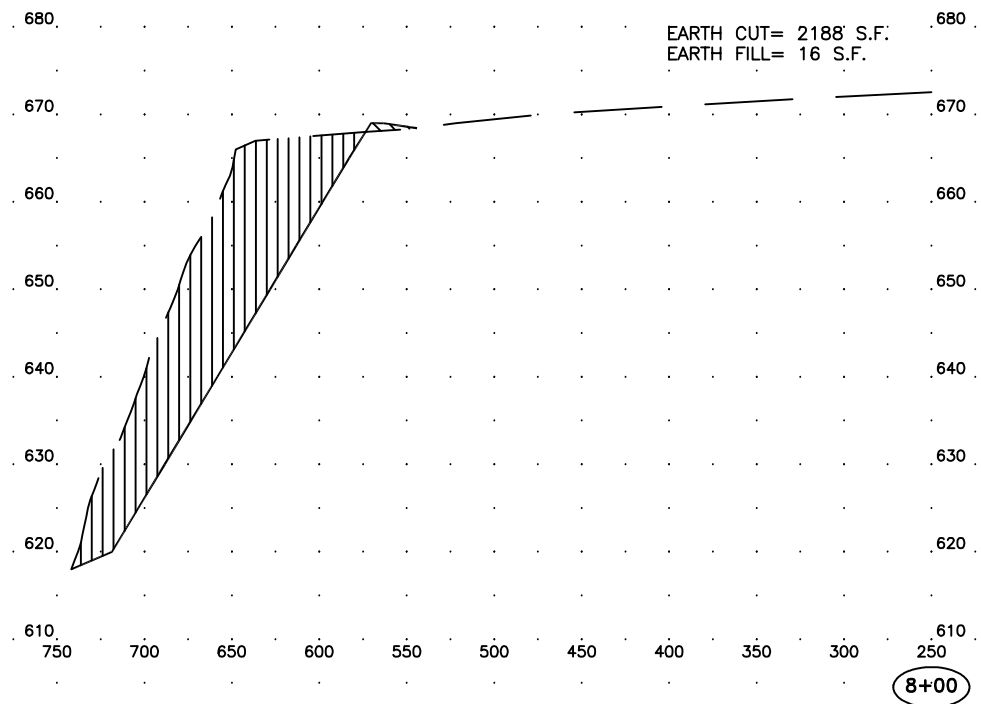
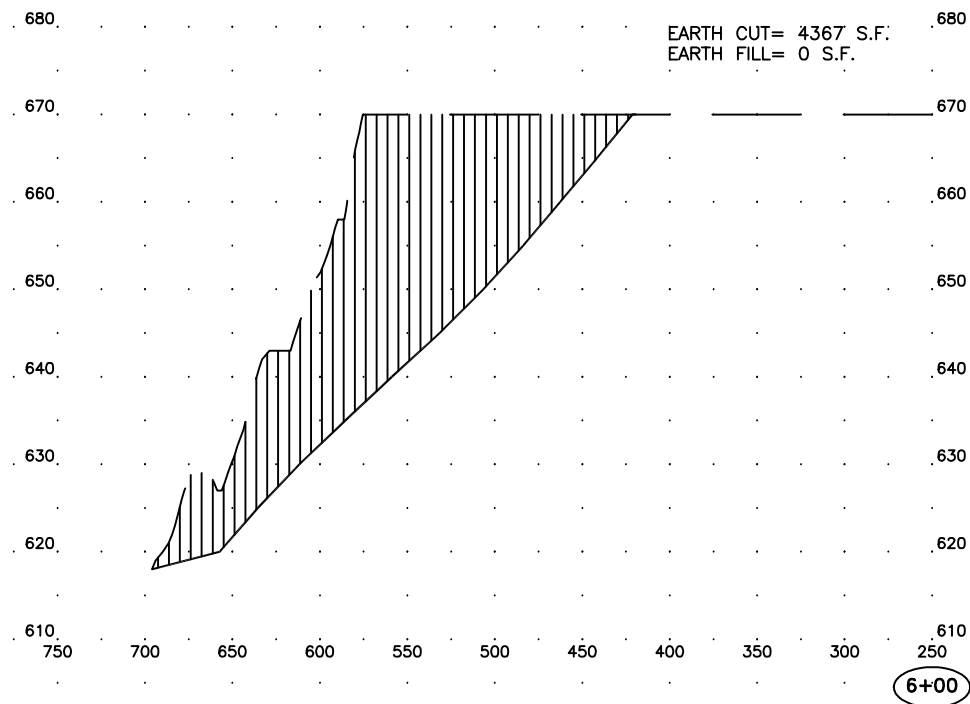


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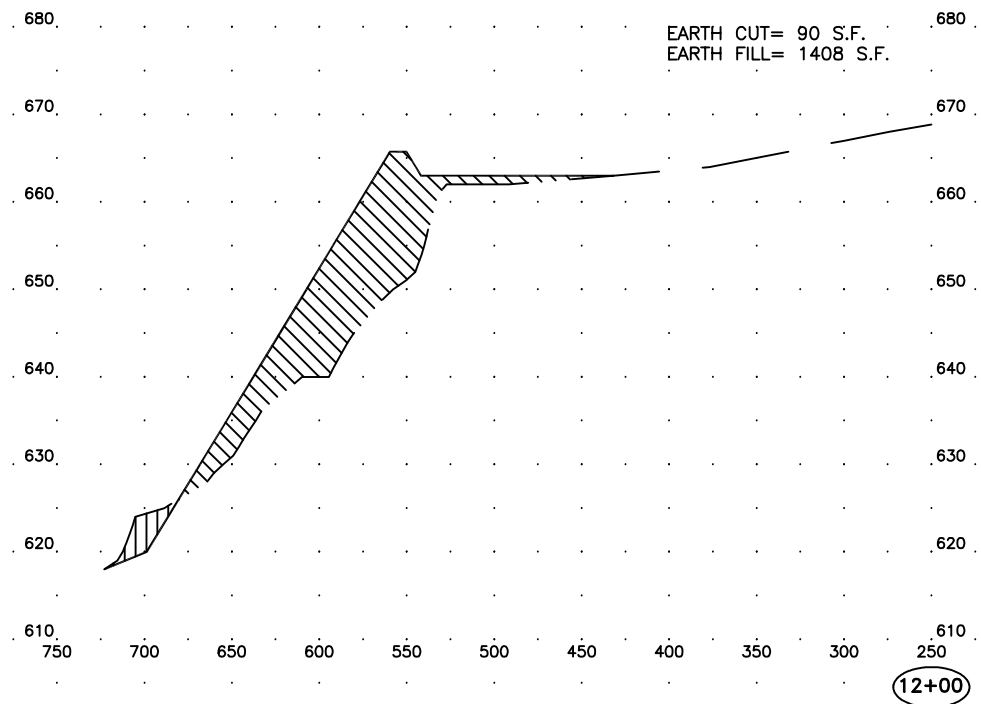
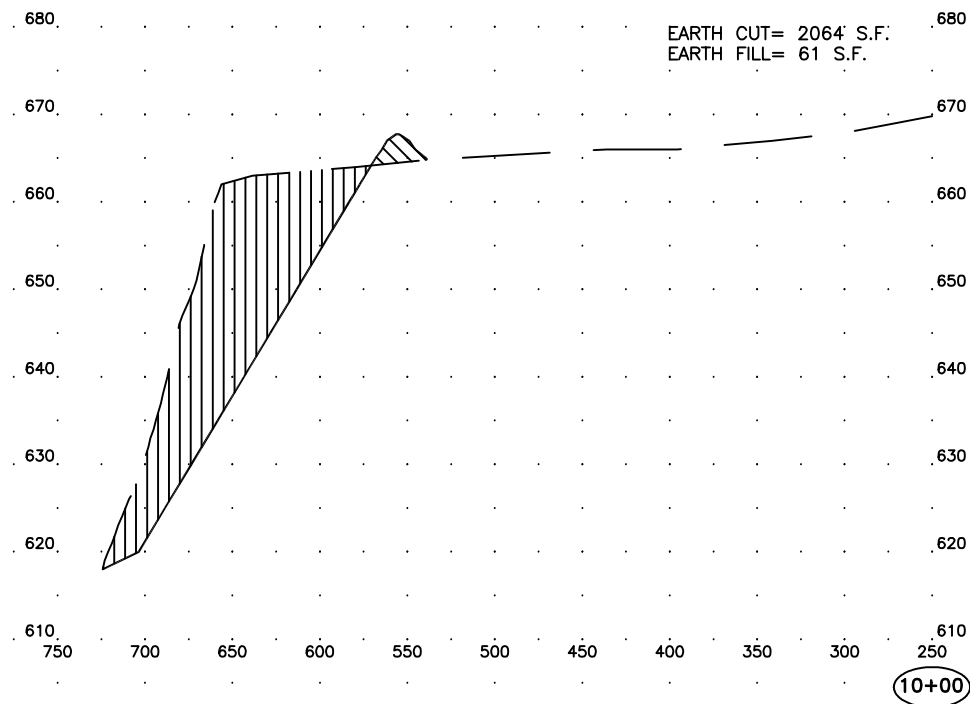
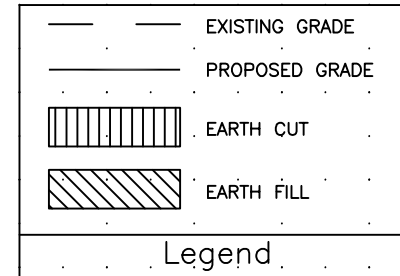
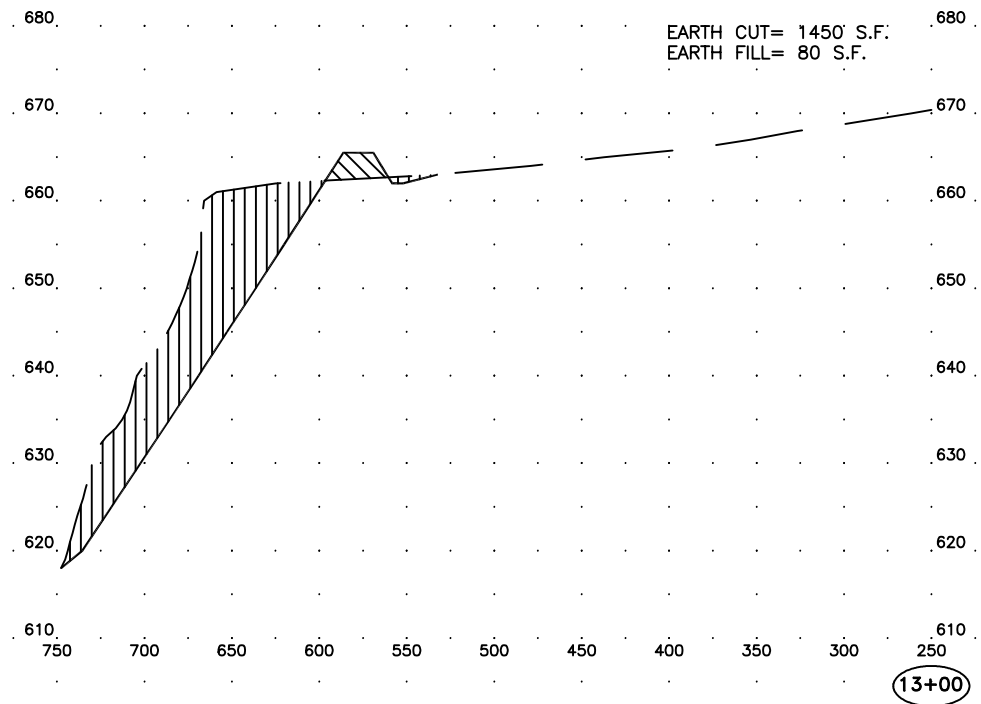
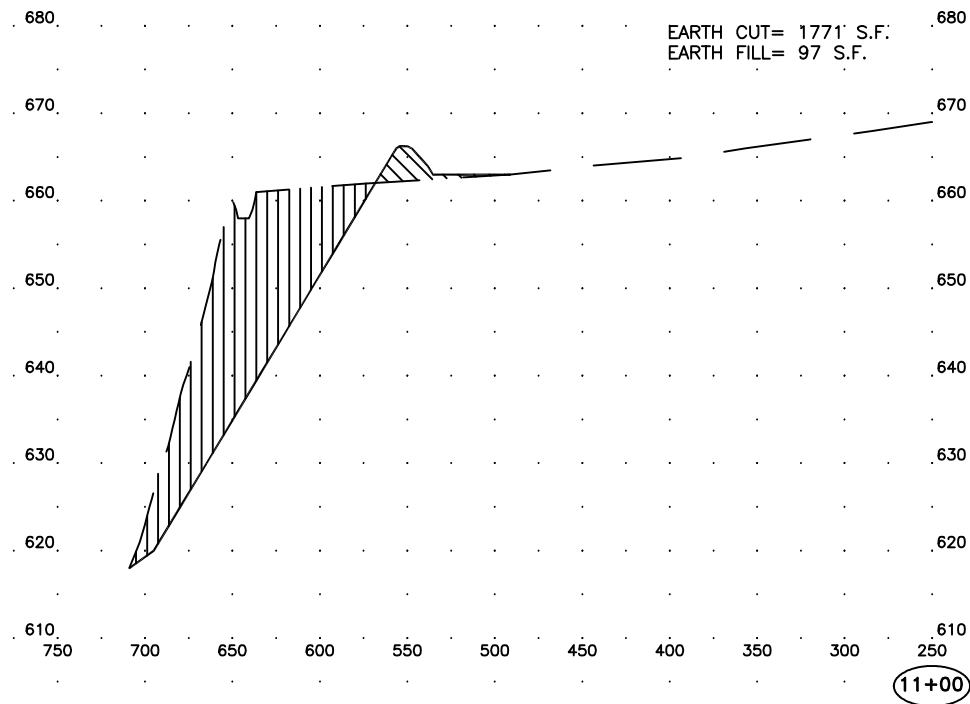


	EXISTING GRADE
	PROPOSED GRADE
	EARTH CUT
	EARTH FILL
Legend	



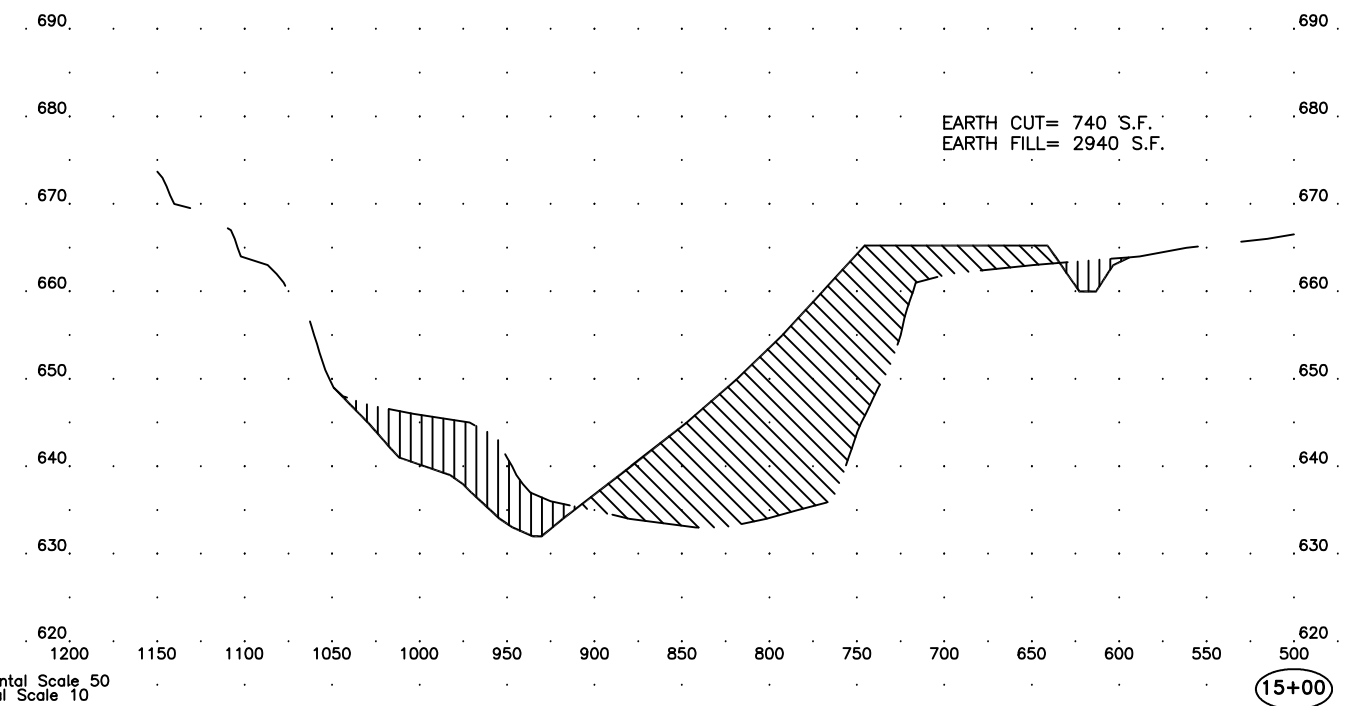
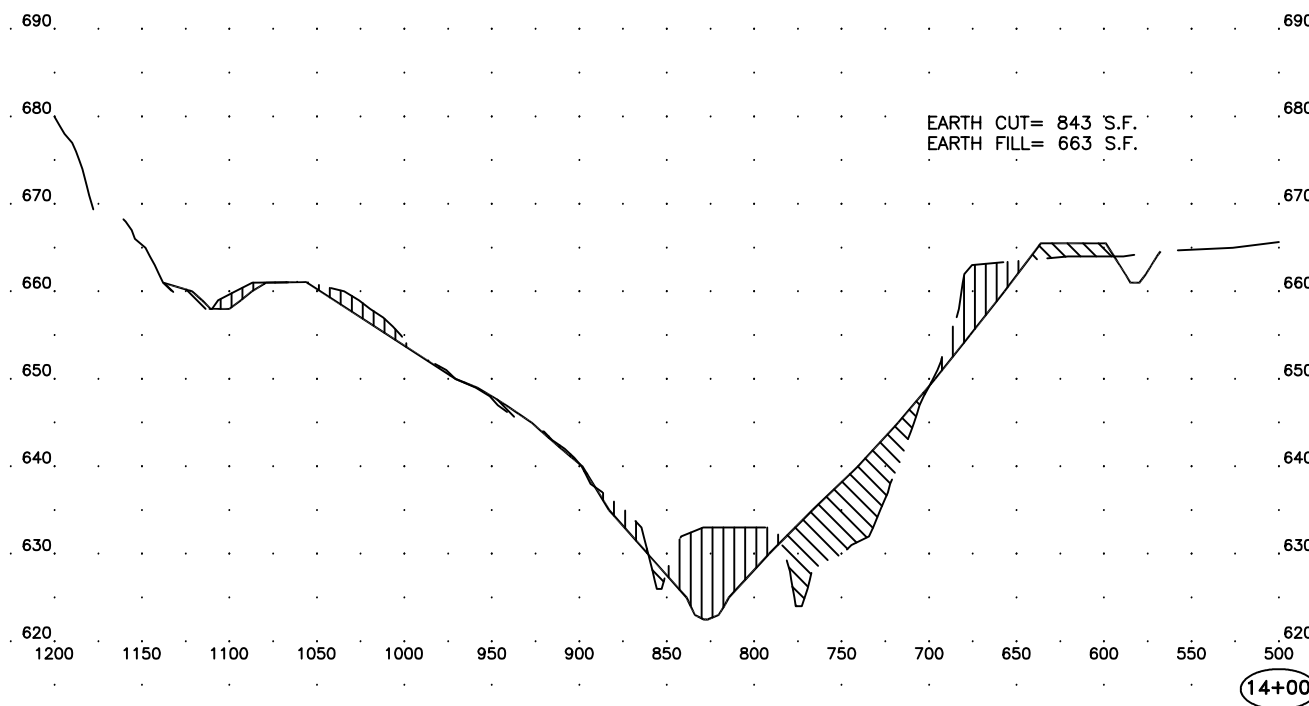
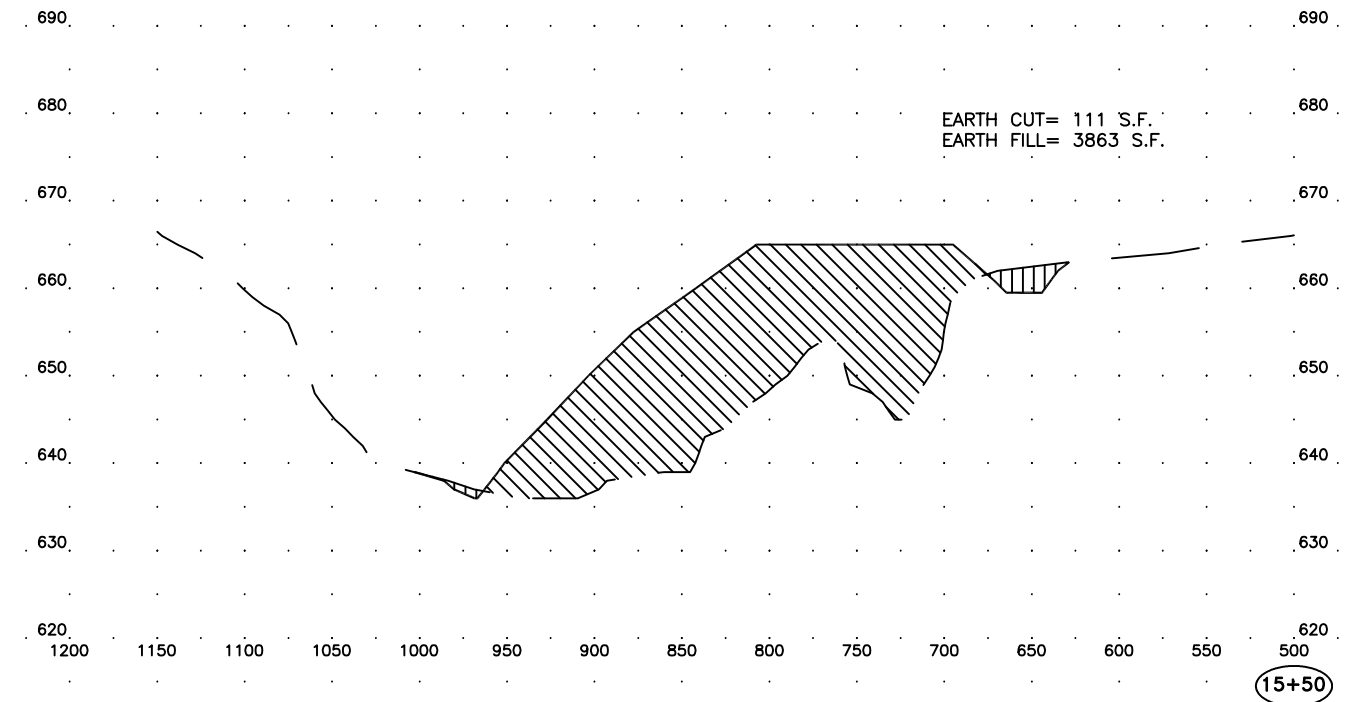
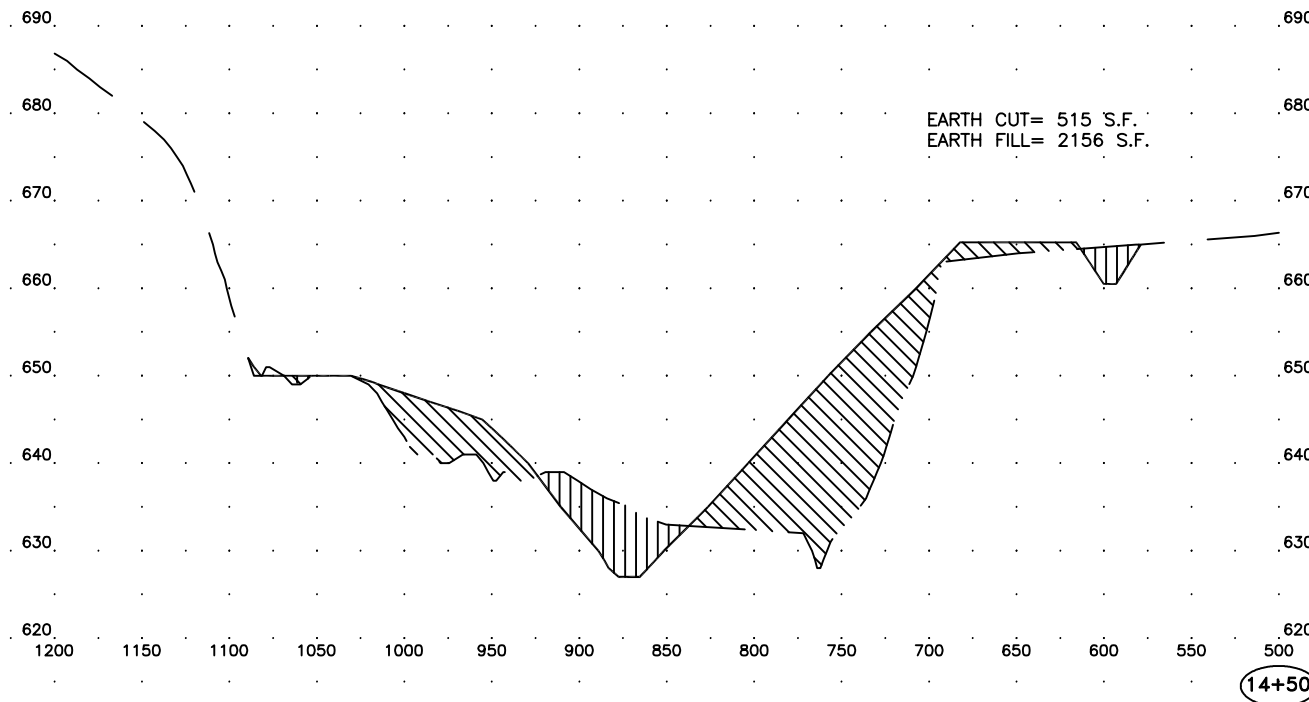
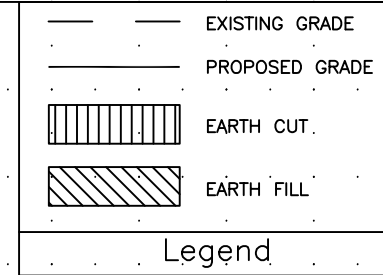
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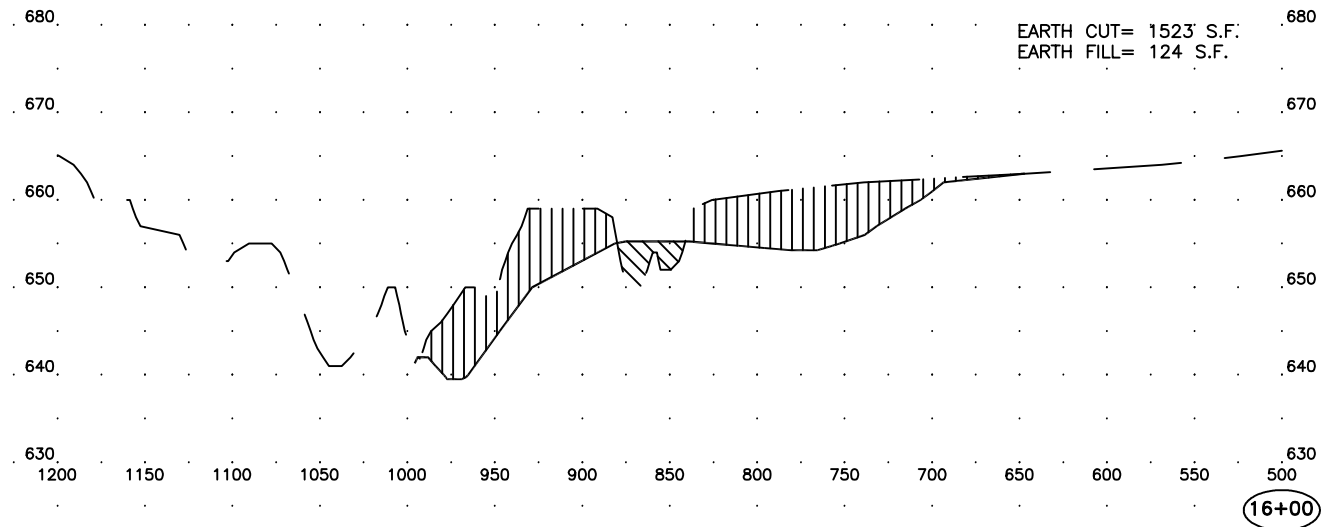
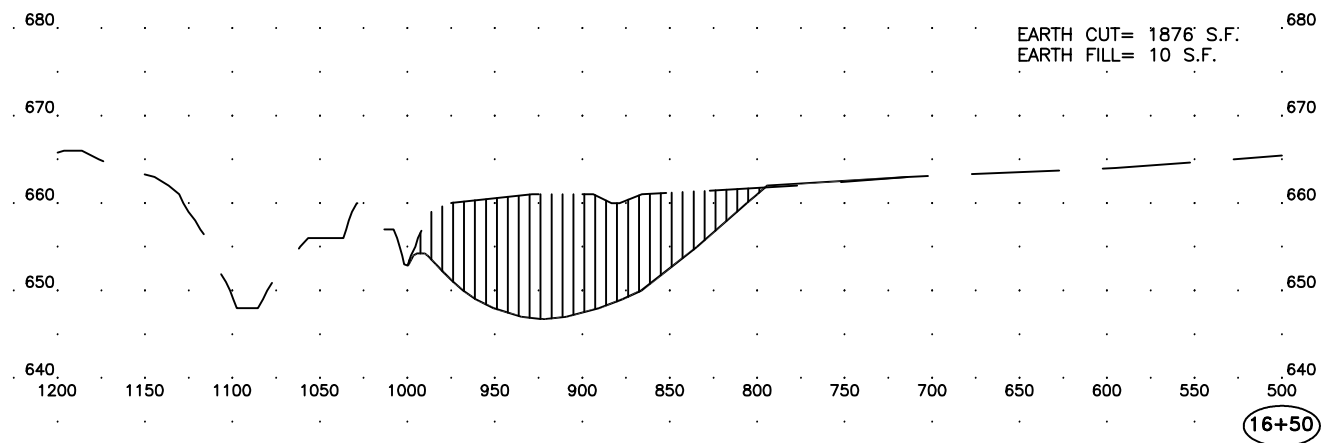
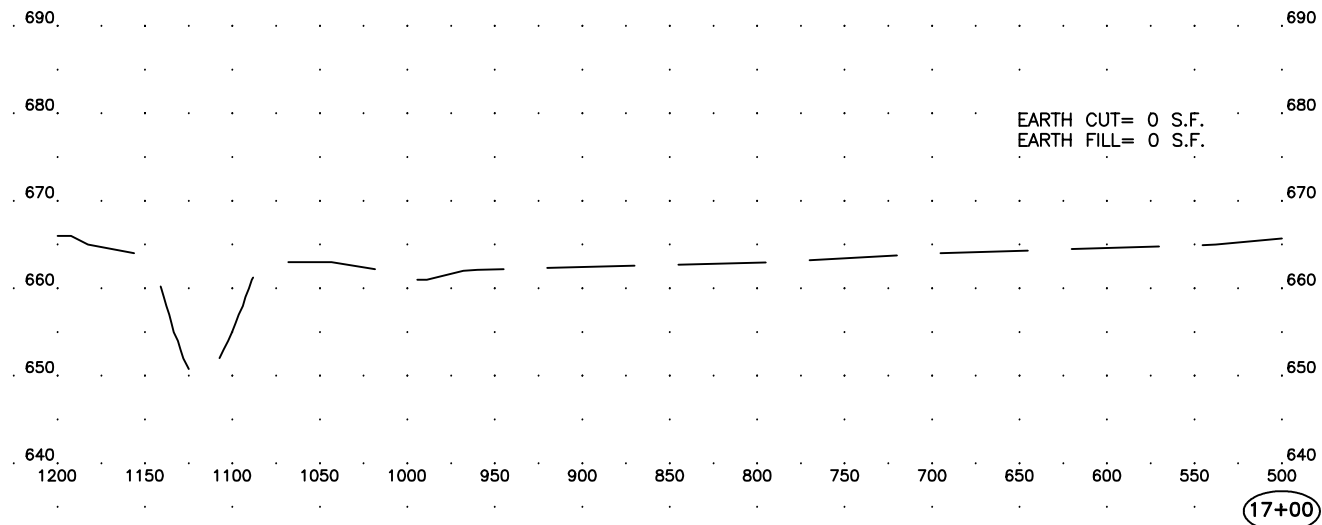
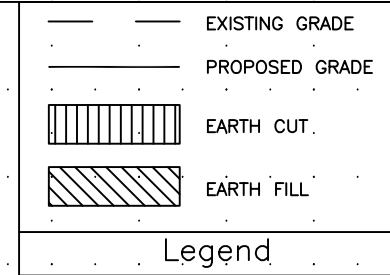
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Horizontal Scale 50
Vertical Scale 10

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Horizontal Scale 50
Vertical Scale 10