

**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

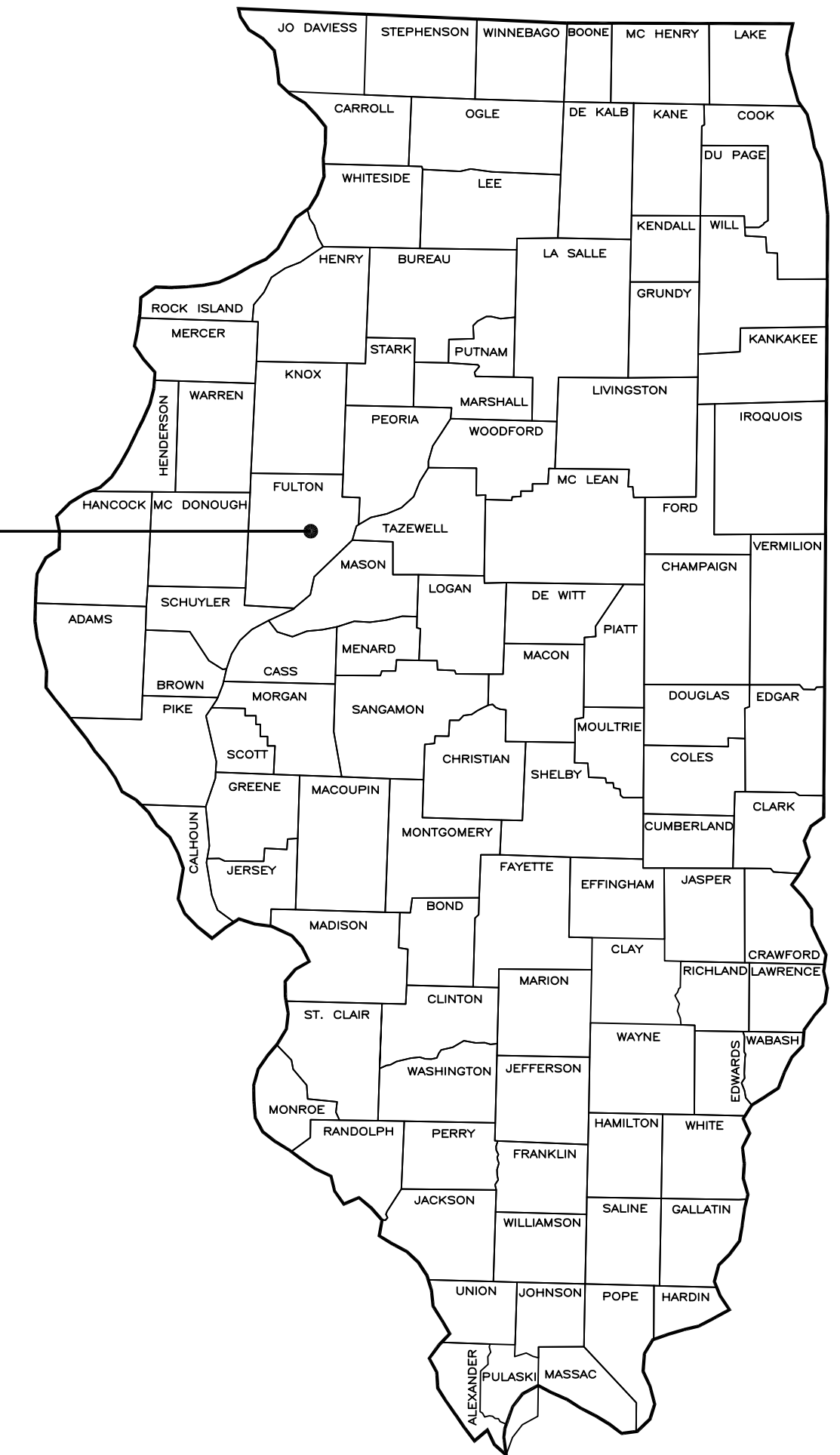
Red Ember - Remedial  
Reclamation Project  
AML-GFuE-2108  
Fulton County  
1LR

SCHEDULE OF DRAWINGS:

1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
3. Control Points
4. Site Overview
- 5-12. Existing + Proposed Conditions
- 13-14. Cross Sections

Contract No. M2108

Red Ember Remedial  
Fulton County



Pre-Bid Meeting

A pre-bid meeting is scheduled for this project at 10:30 A.M., Thursday, April 14, 2022  
at the intersection of E. Arrow Road and Tompkins Road, on the North side of the project.

*Certified Copy*

Prepared By IDNR Staff

Approved for Bidding:

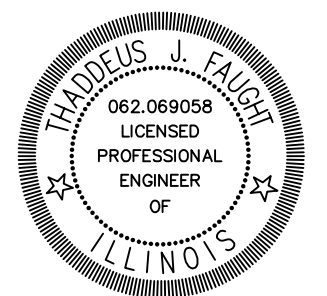
Ronnie Huff, Director  
Office of Mines and Minerals  
Illinois Dept. of Natural Resources

Approved By:

Rita M. Lee, Manager  
AMLR Division  
Illinois Dept. of Natural Resources

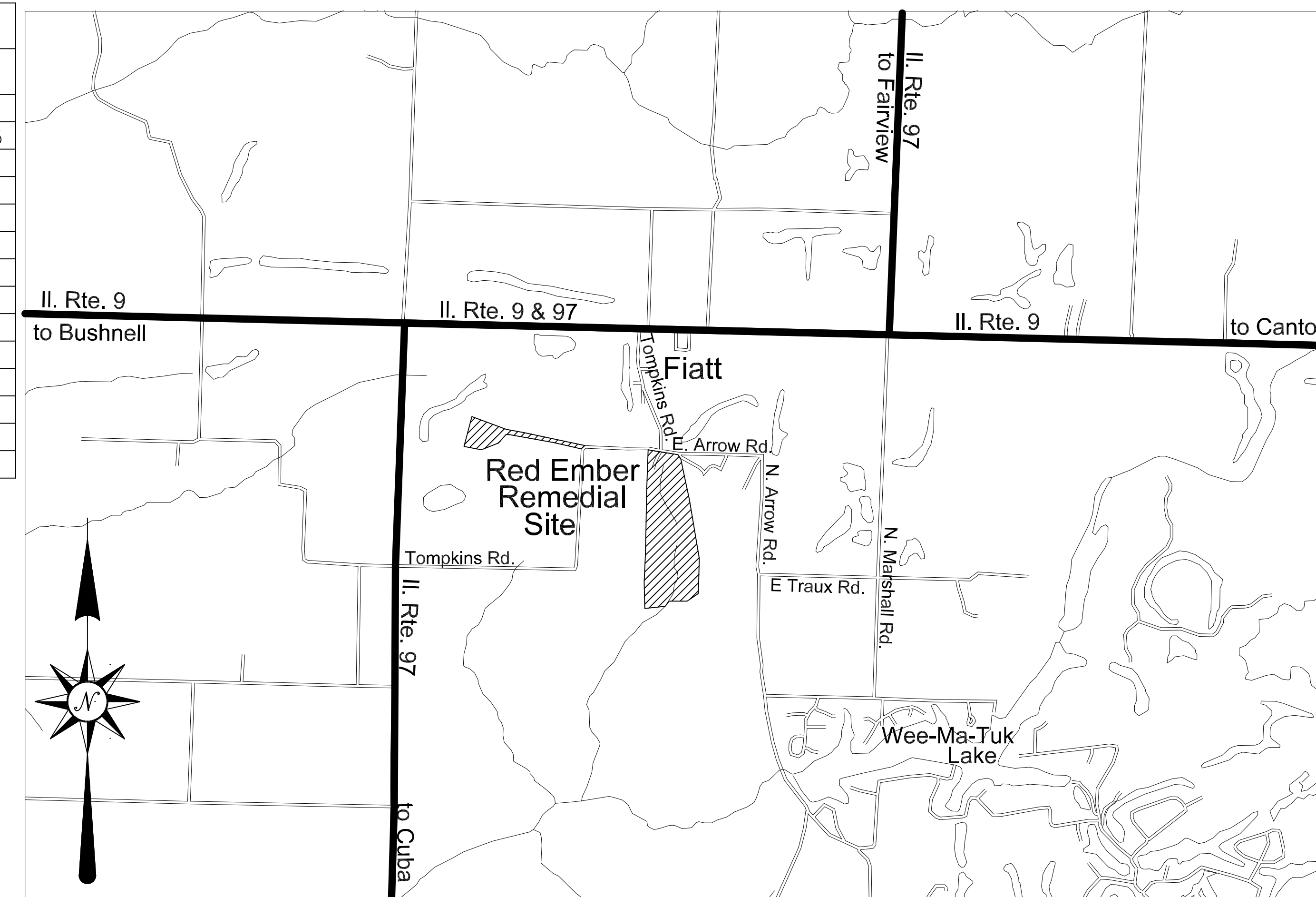
Approved By:

Thaddeus J. Faught  
IL Licensed Professional Engineer  
No. 062.069058



**Summary of Quantities**

Item No	#	Item	Section	Quantity	Unit	Rates/Remarks
NRM20110	1	Special Clearing	201	1	L.S.	
NRM20210	2	Earth Excavation	202	20,715	C.Y.	Compaction Required per Section 205
NRM20230	3	Mine Refuse Excavation	202	14,524	C.Y.	
NRM21626	4	CA Fill, CA6	216	146	Ton	
NRM25040	5	Nitrogen Fertilizer Nutrient	250	1,392	Pound	120 lb/acre
NRM25050	6	Phosphorous Fertilizer Nutrient	250	1,160	Pound	100 lb/acre
NRM25060	7	Potassium Fertilizer Nutrient	250	4,060	Pound	350 lb/acre
NRM25070	8	Agricultural Ground Limestone	250	23.2	Ton	2 tons/acre
NRM25090	9	Seeding	250	11.6	Acre	
25100115	10	Mulch, Method 2, Procedure 1	IDOT 251	11.6	Acre	2 tons/acre
NRM25510	11	Mine Refuse Treatment – Limestone	255	5.2	Ton	4 tons/acre – borrow pits only
NRM28040	12	Perimeter Erosion Barrier	280	1,080	Foot	
28100805	13	Stone Riprap A-3	IDOT 281	300	Ton	
NRM67110	14	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 onsite per Section 201 of the Special Provisions. Tree clearing shall only occur between October 16 and March 31.

**ACID WATER TREATMENT**—If acid mine drainage treatment is determined necessary by the engineer, and not otherwise specified in the plans, any water treatment will be paid for in accordance with Article 109.04 of the Standard Specifications.

**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. See Section 255 of the Special Provisions.

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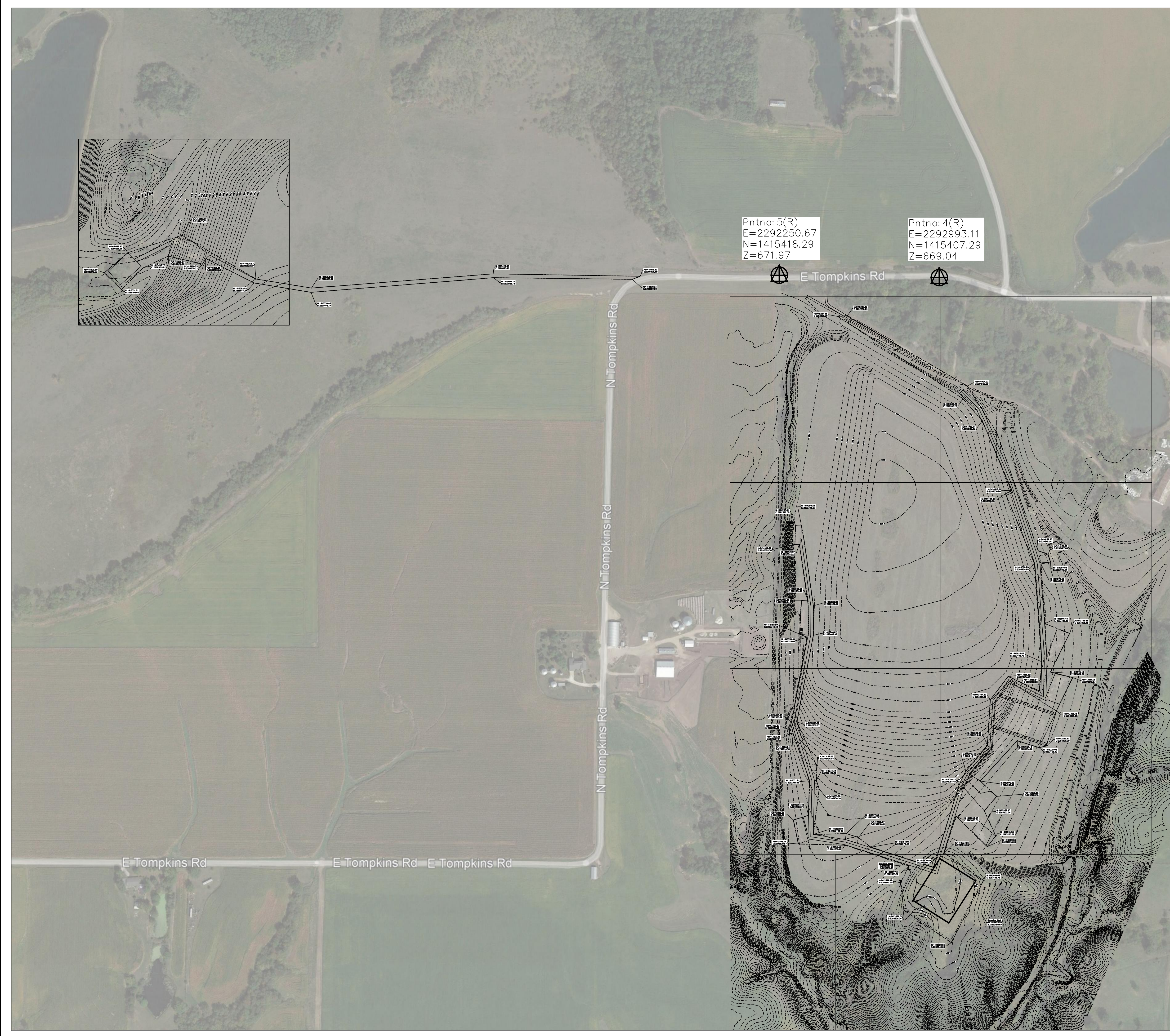
Red Ember Remedial  
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AML-GFuE-2108  
Fulton County

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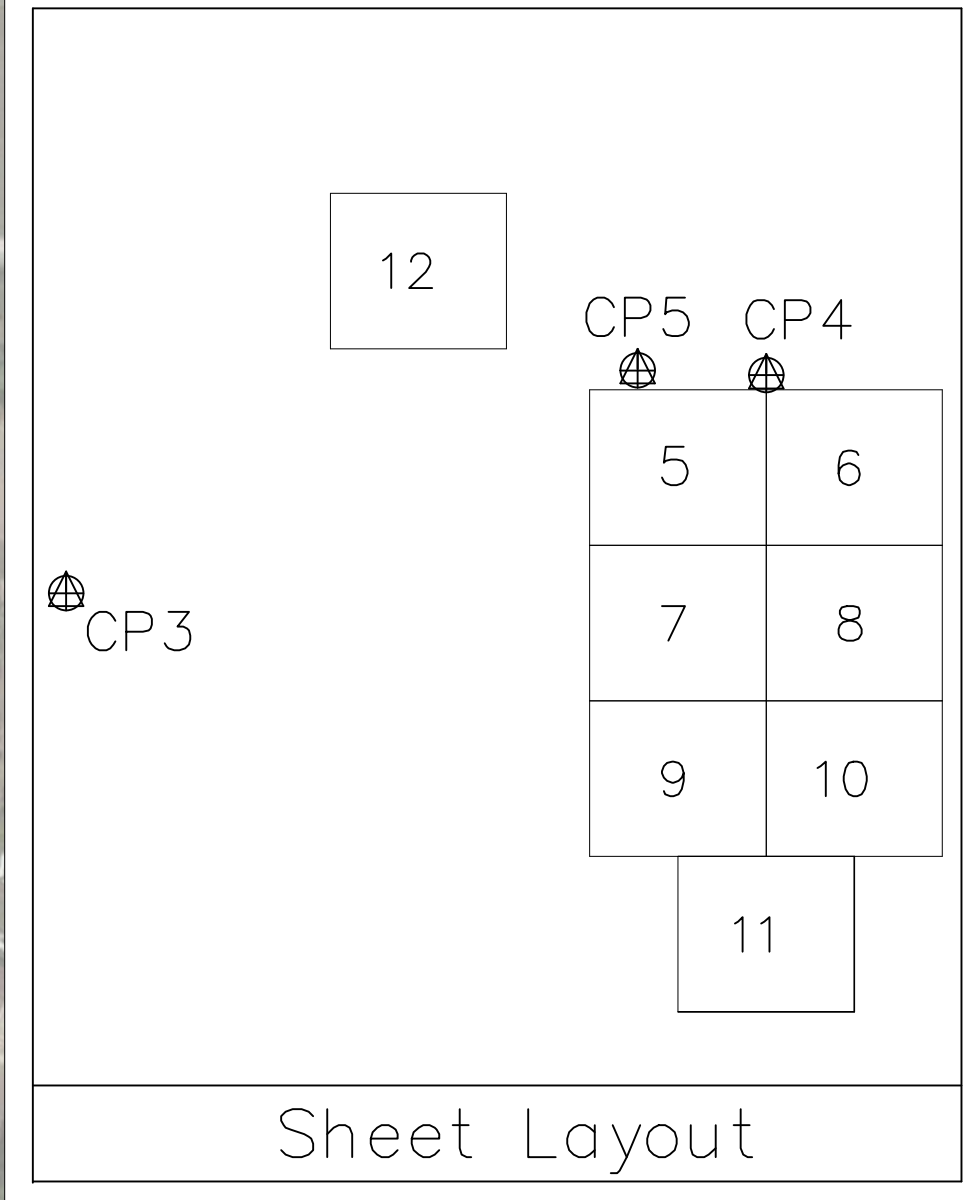
Summary of Quantities/  
General Notes/Location Map  
Sheet  
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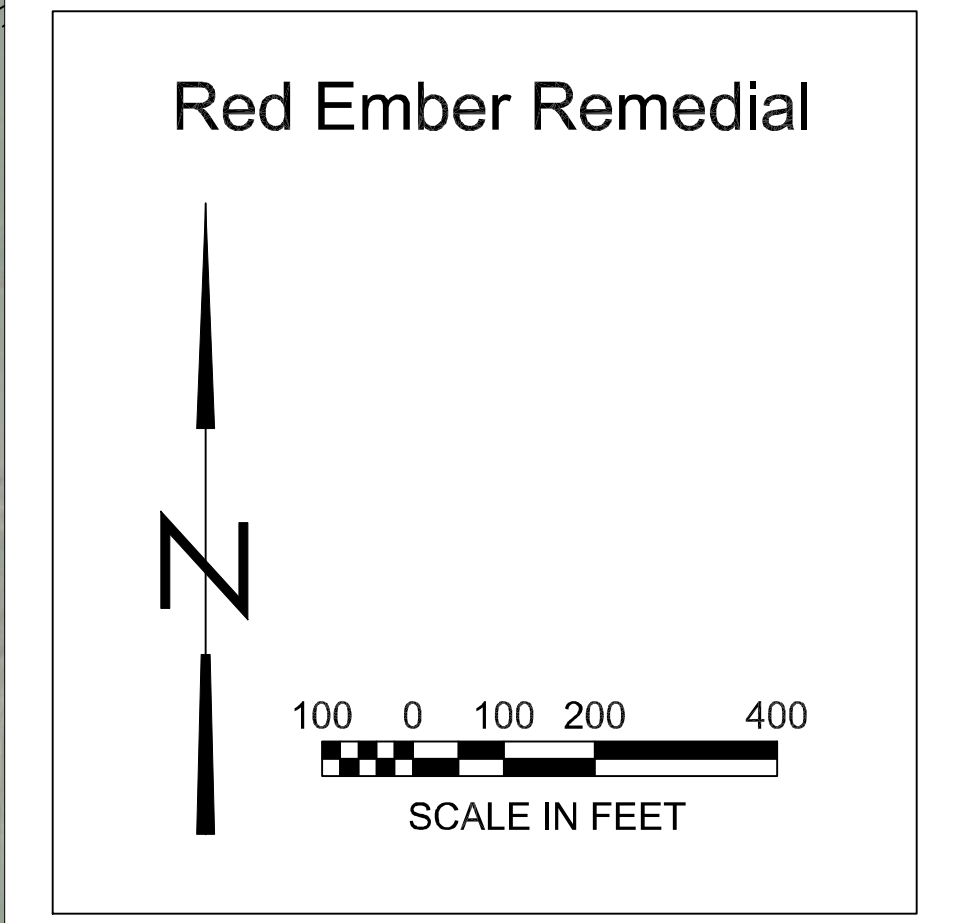
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3	622.42	1414263.94	2287500.04
4	669.04	1415407.29	2292993.11
5	671.97	1415418.29	2292250.67

Control Point Data



	PROPOSED CONTOUR
	EXISTING CONTOUR
	CONSTRUCTION LIMITS
	BURNOUTS
	HAUL ROAD
	SURVEY CONTROL POINT

Legend



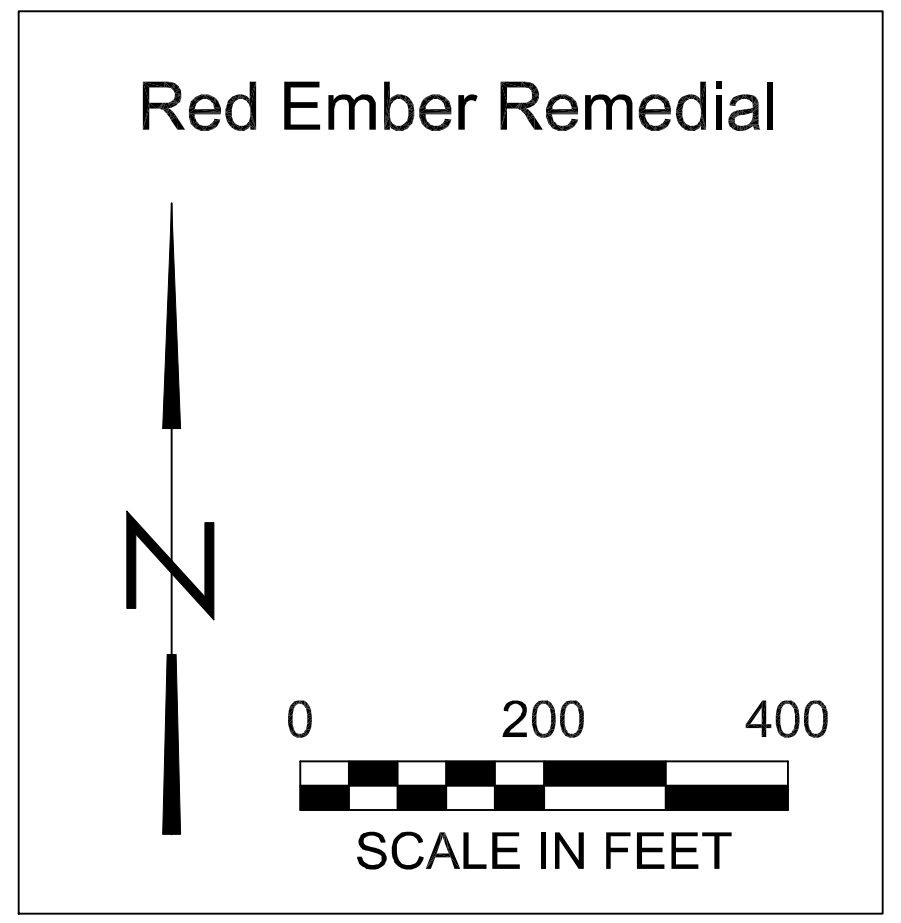
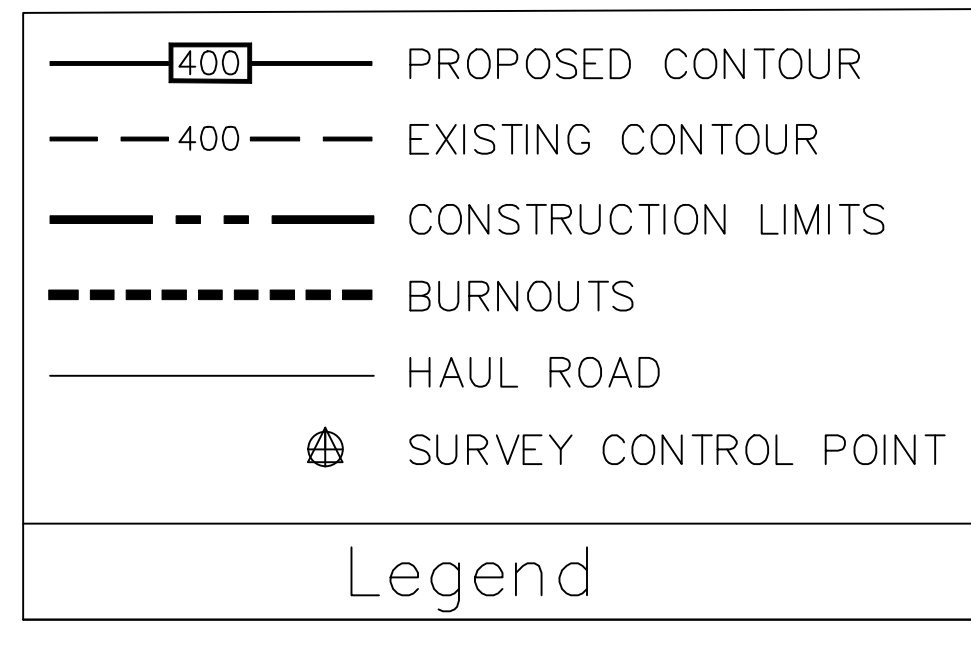
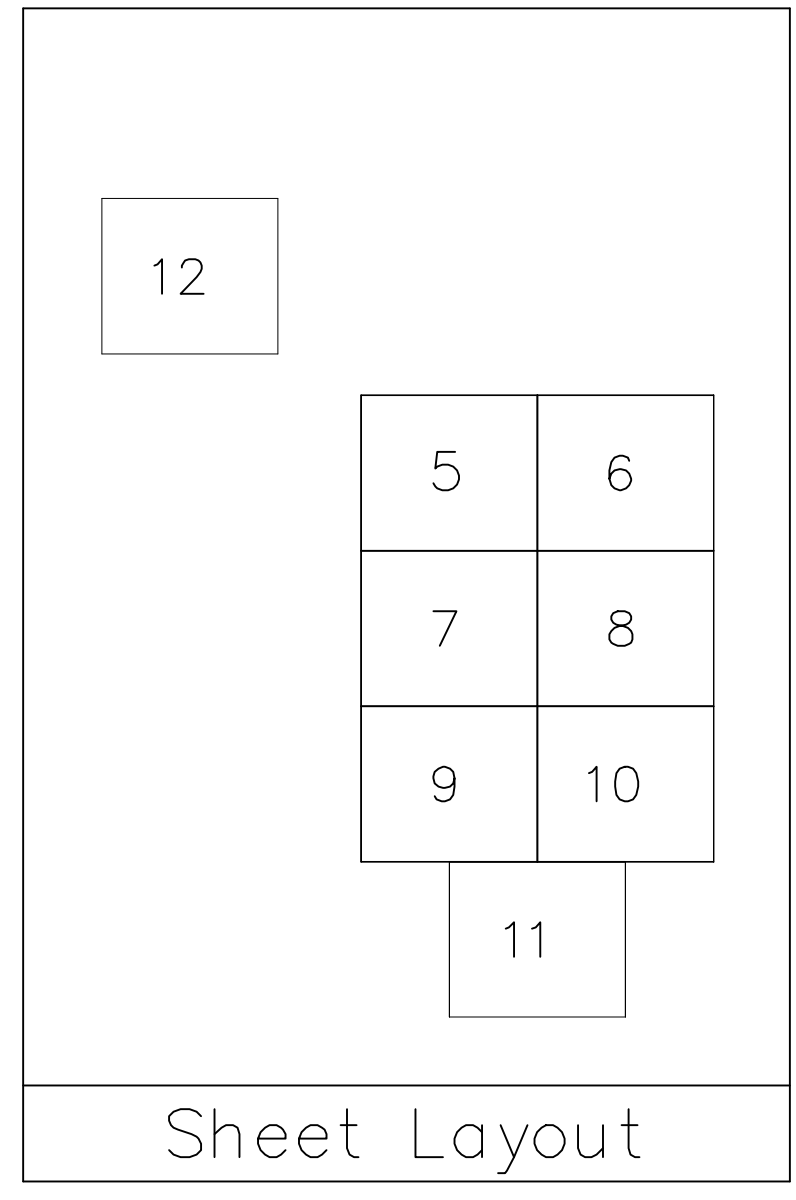
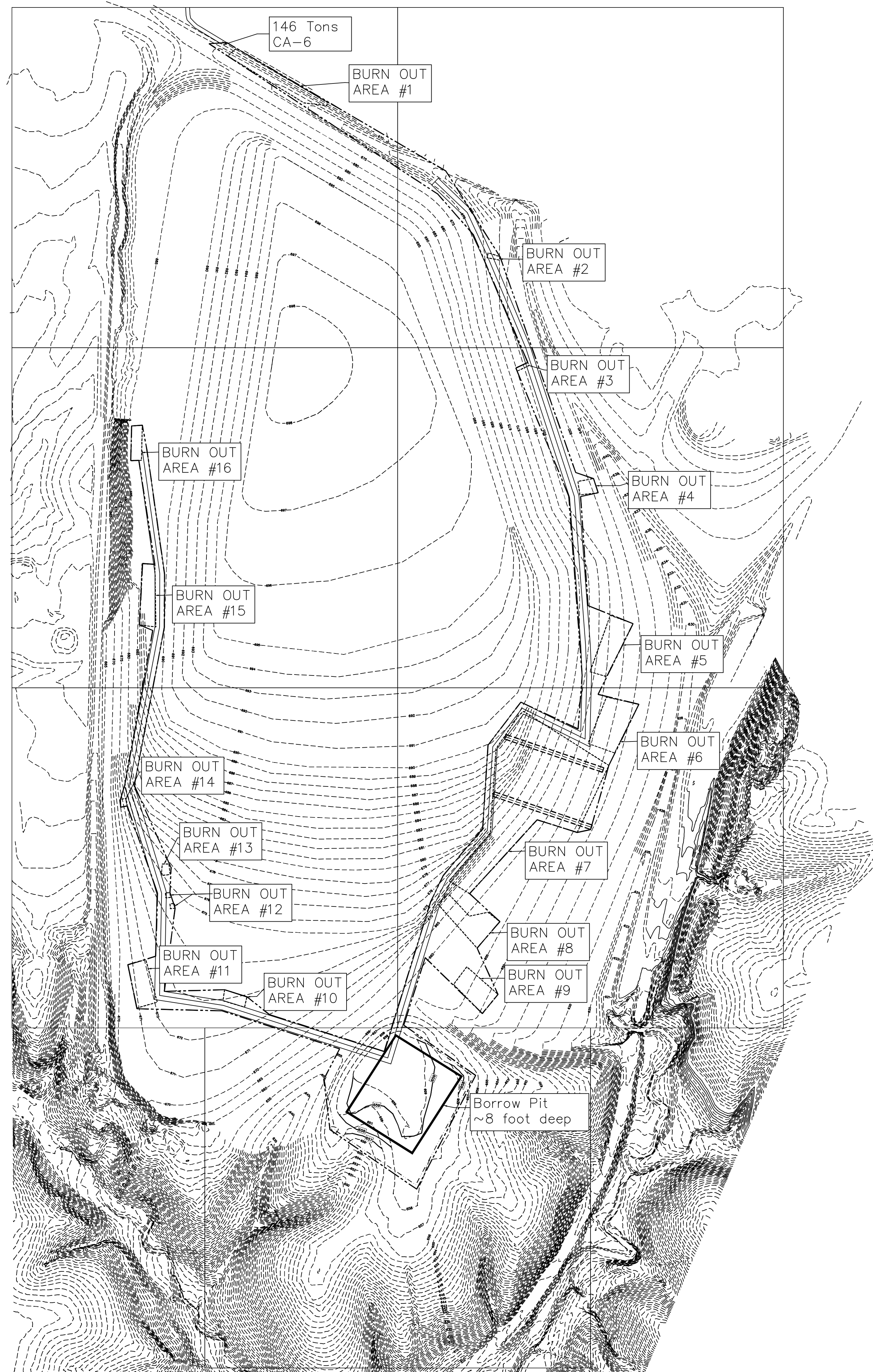
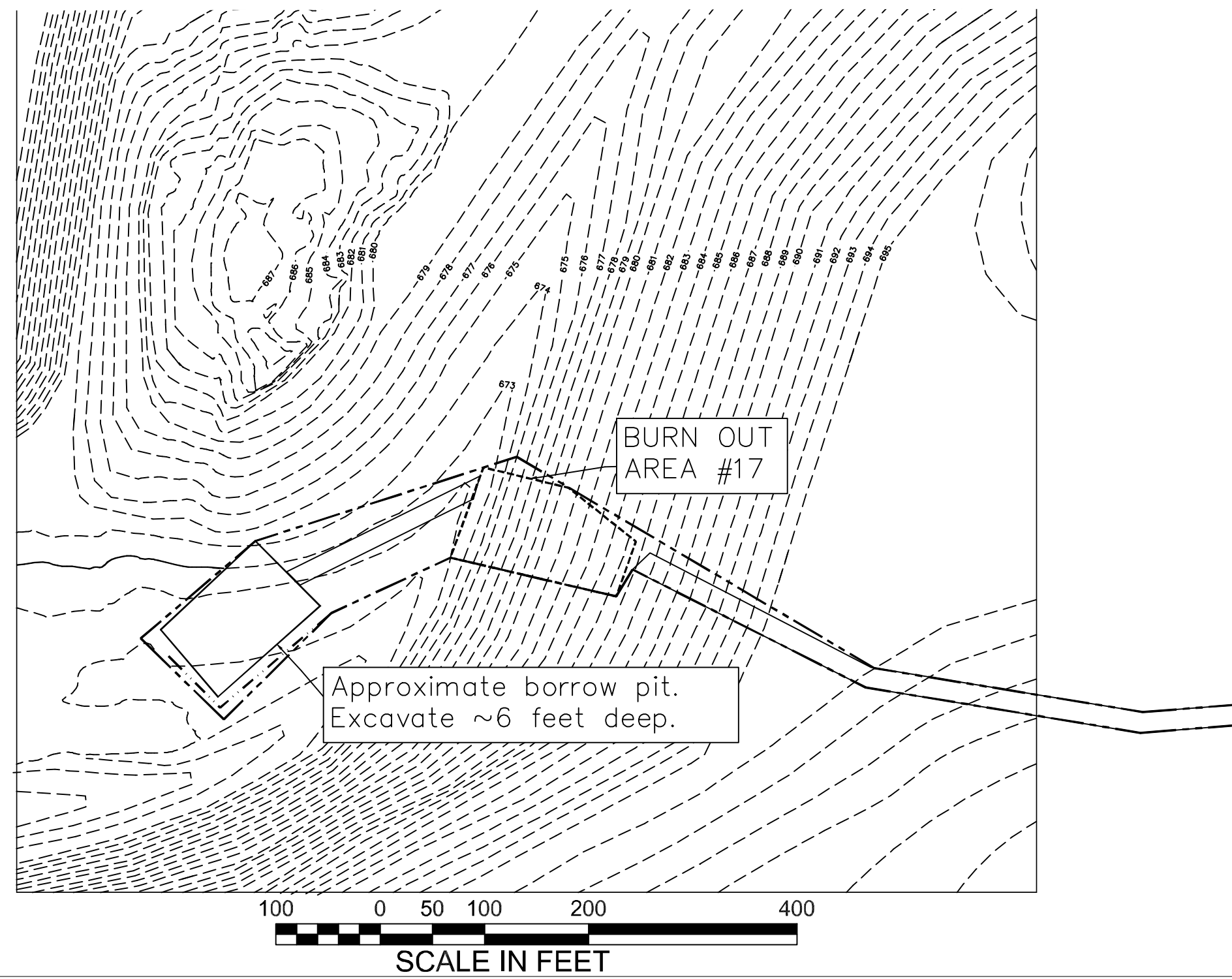
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Control Points  
 Sheet  
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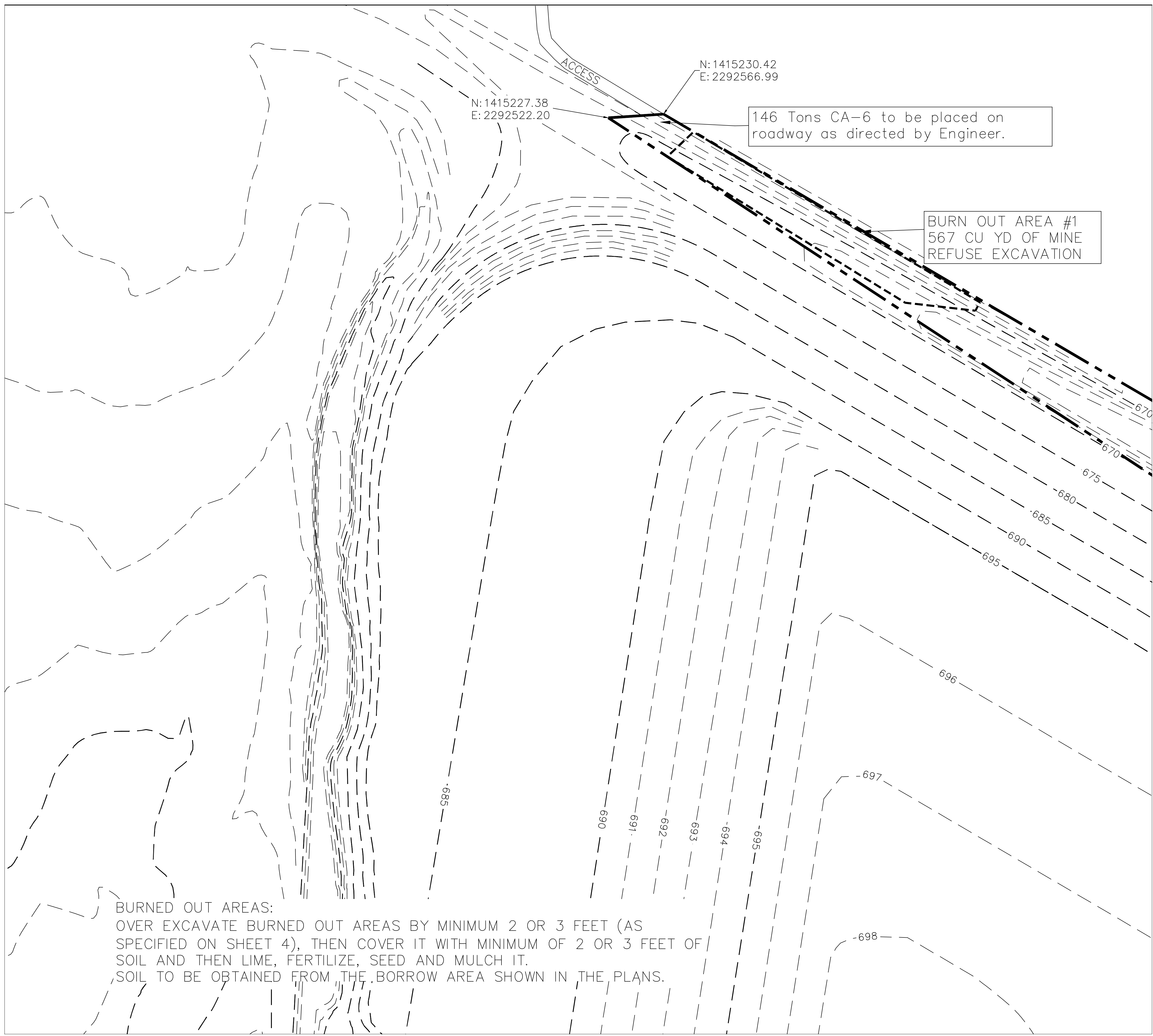




BURNOUT TABLE

Burnout	SQ FT	CU YD	Depth
1	7653	567	2 feet deep
2	342	25	2 feet deep
3	283	21	2 feet deep
4	1566	116	2 feet deep
5	7955	884	3 feet deep
6	10168	1130	3 feet deep
7	74300	8256	3 feet deep
8	8122	902	3 feet deep
9	6204	460	2 feet deep
10	1595	118	2 feet deep
11	5662	419	2 feet deep
12	288	21	2 feet deep
13	548	41	2 feet deep
14	313	23	2 feet deep
15	5841	433	2 feet deep
16	2398	178	2 feet deep
17	13480	1498	3 feet deep
Total	146718	14,524	
	SQ FT	CU YD	

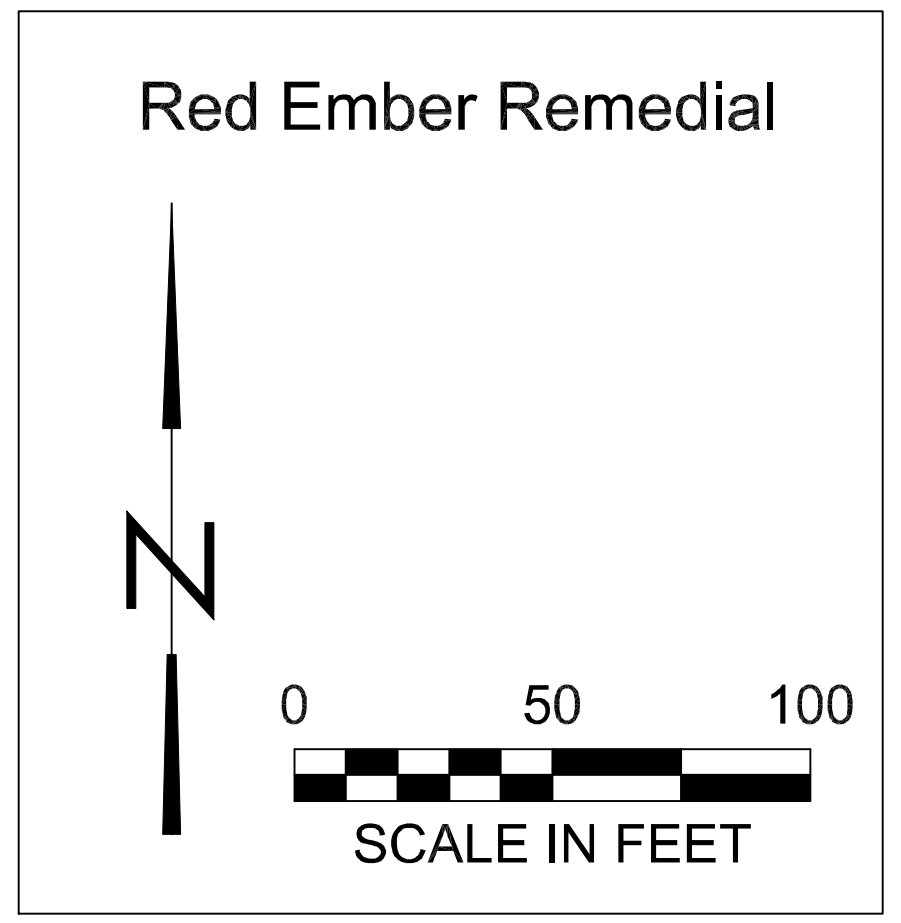
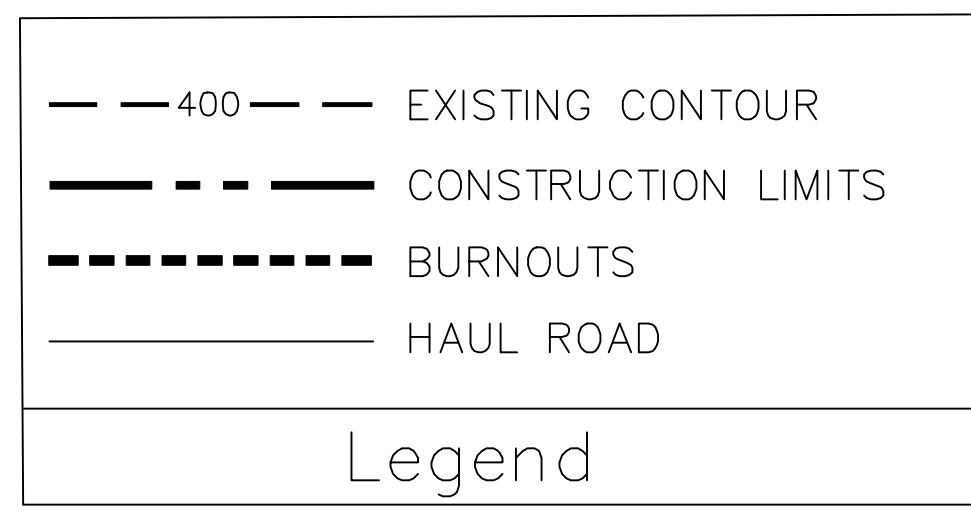
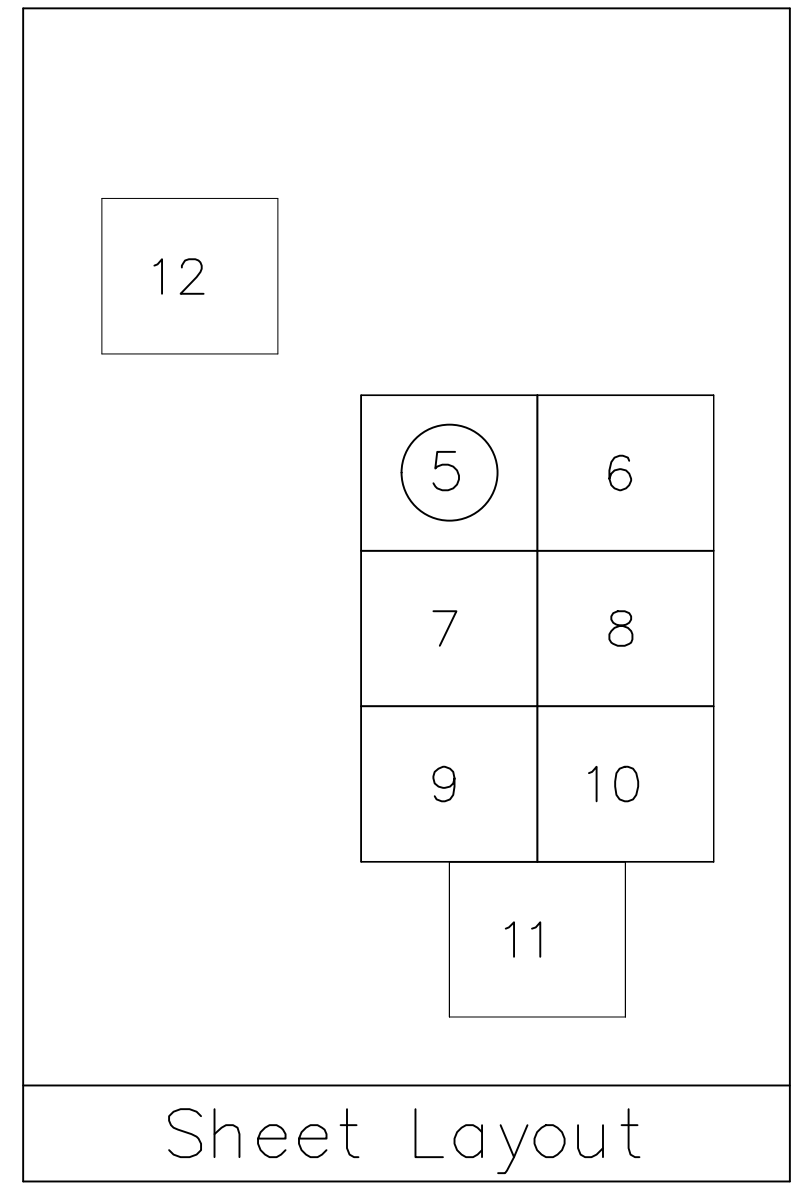




BURNED OUT AREAS:  
OVER EXCAVATE BURNED OUT AREAS BY MINIMUM 2 OR 3 FEET (AS SPECIFIED ON SHEET 4), THEN COVER IT WITH MINIMUM OF 2 OR 3 FEET OF SOIL AND THEN LIME, FERTILIZE, SEED AND MULCH IT.  
SOIL TO BE OBTAINED FROM THE BORROW AREA SHOWN IN THE PLANS.

SEE SHEET 6

SEE SHEET 7



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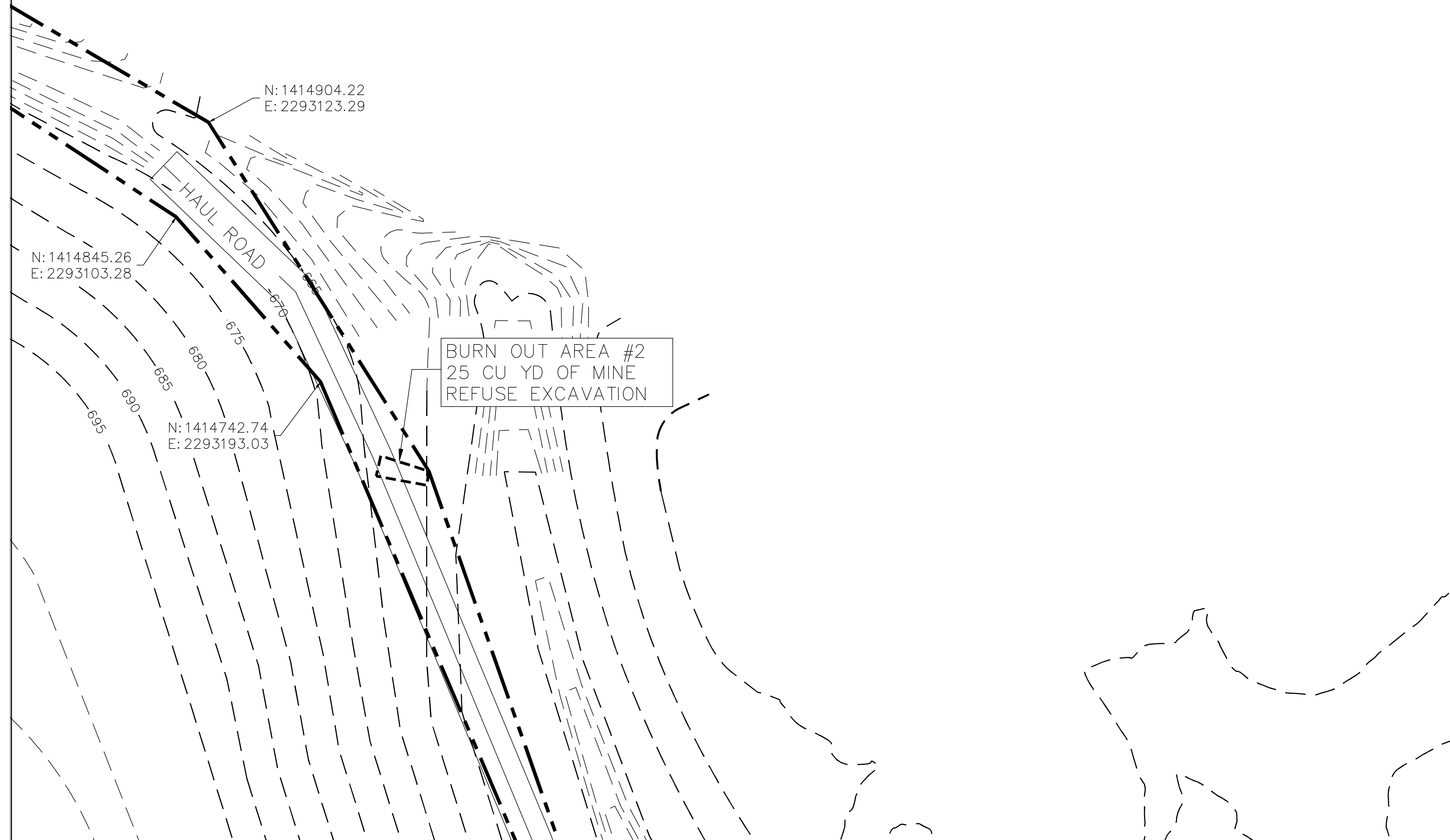
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Existing  
Conditions  
Sheet  
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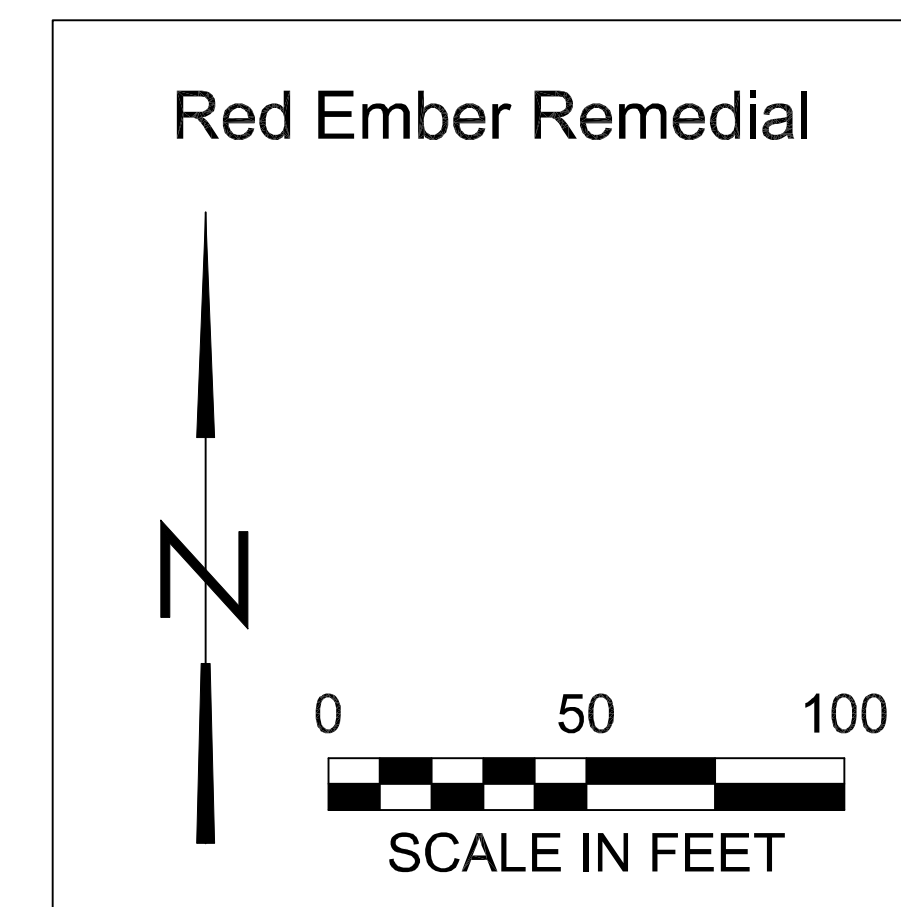
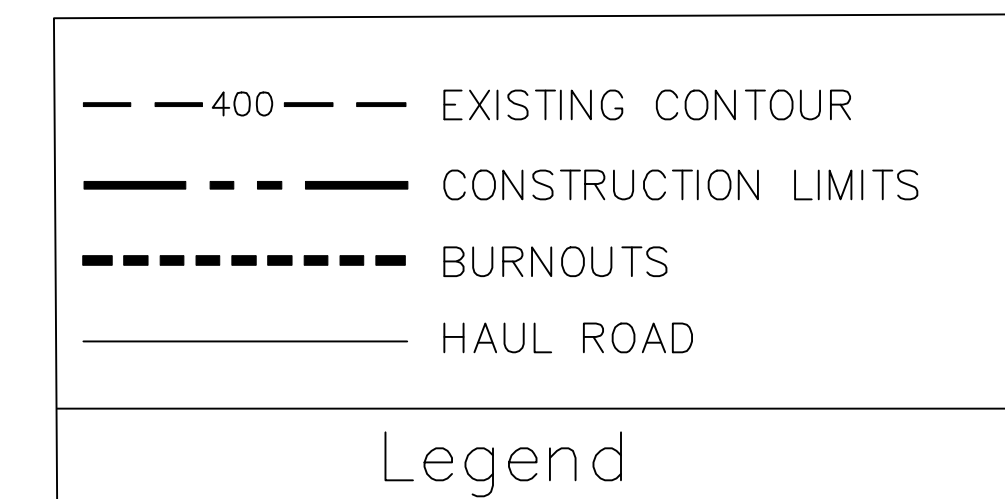
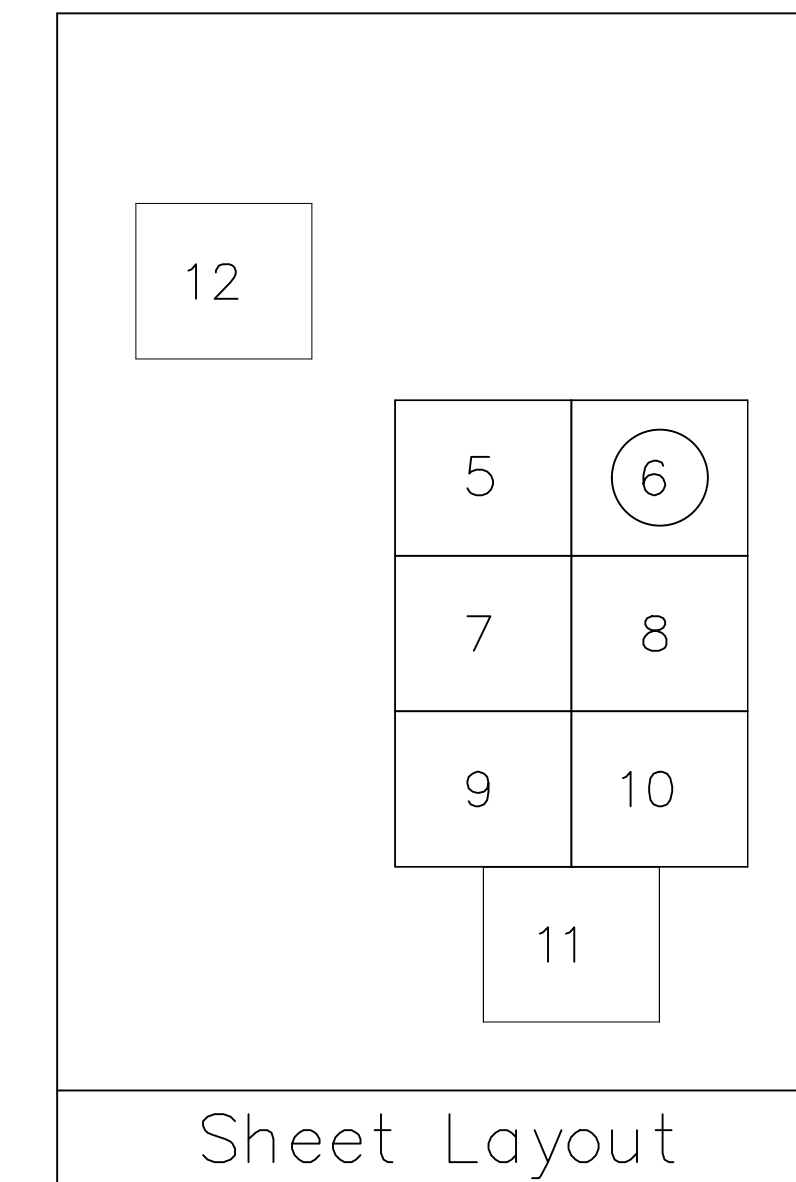


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SEE SHEET 5



SEE SHEET 8



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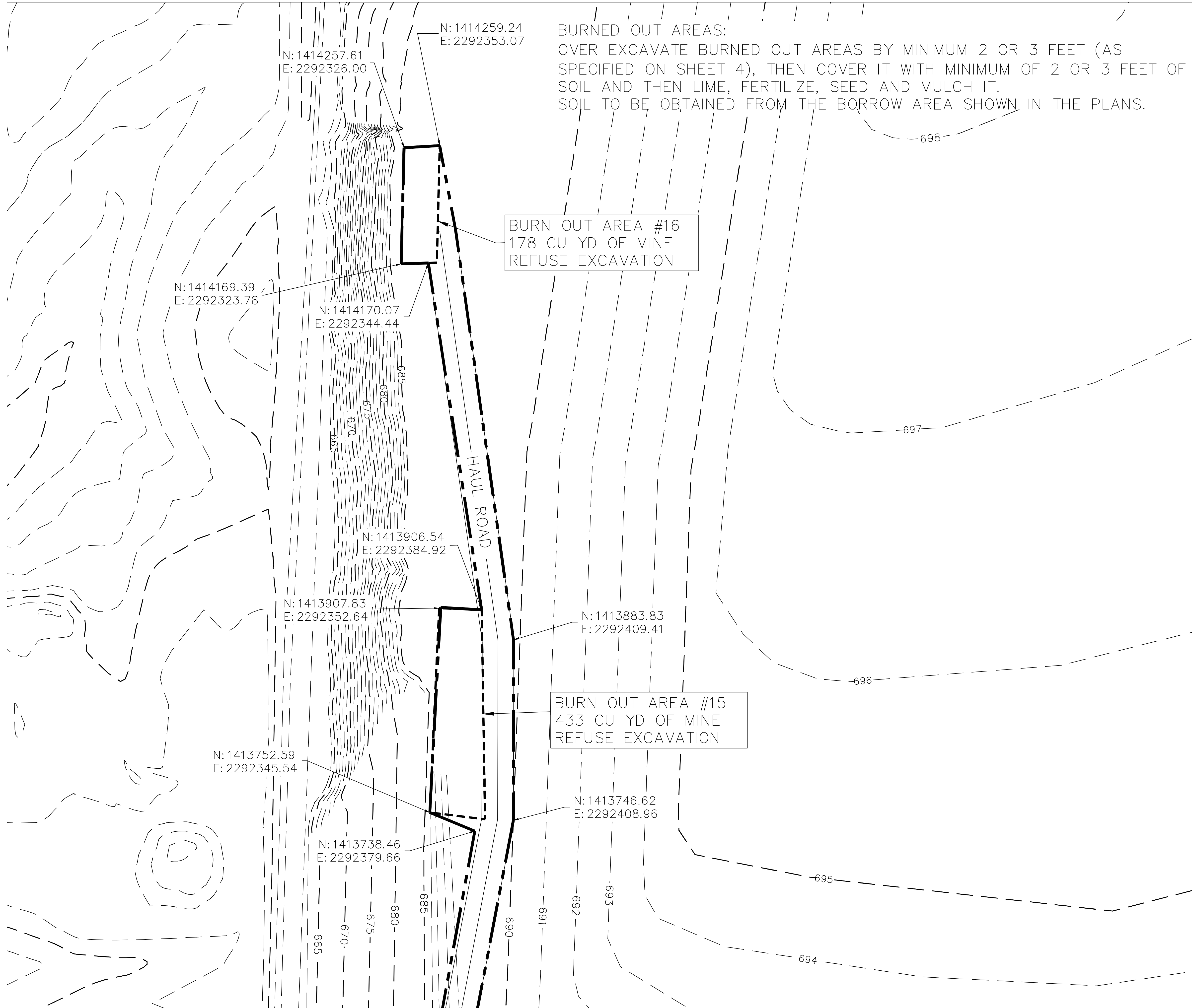
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Existing  
 Conditions  
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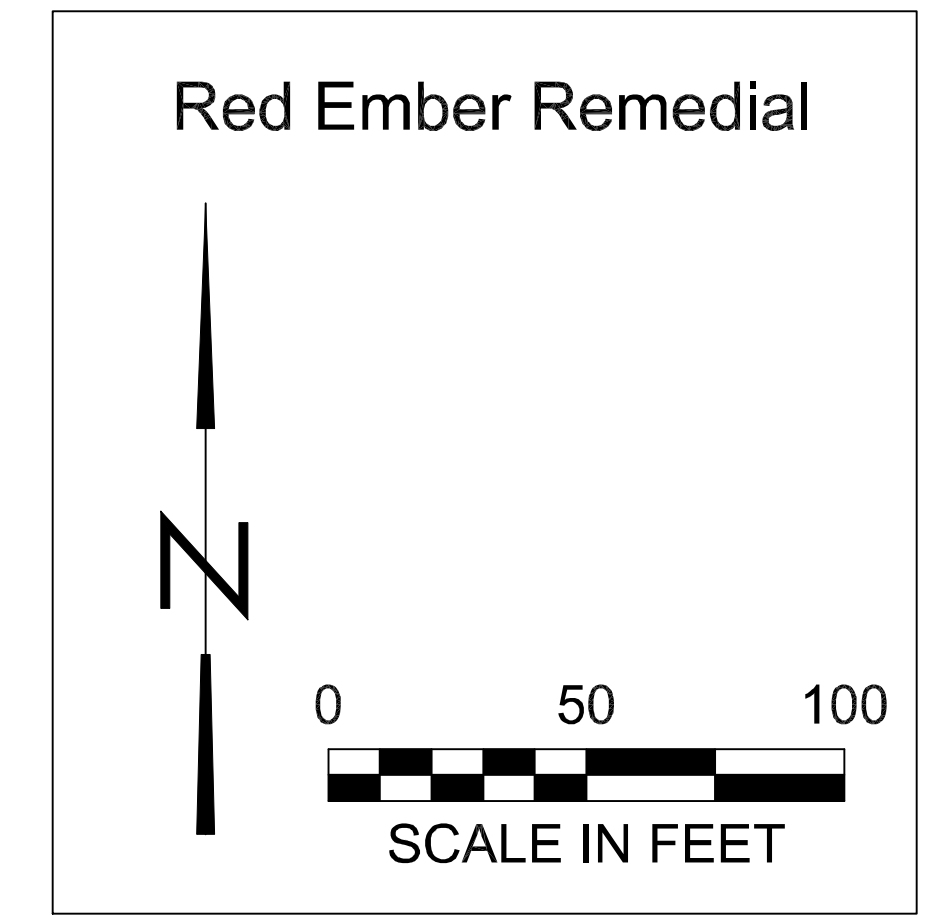
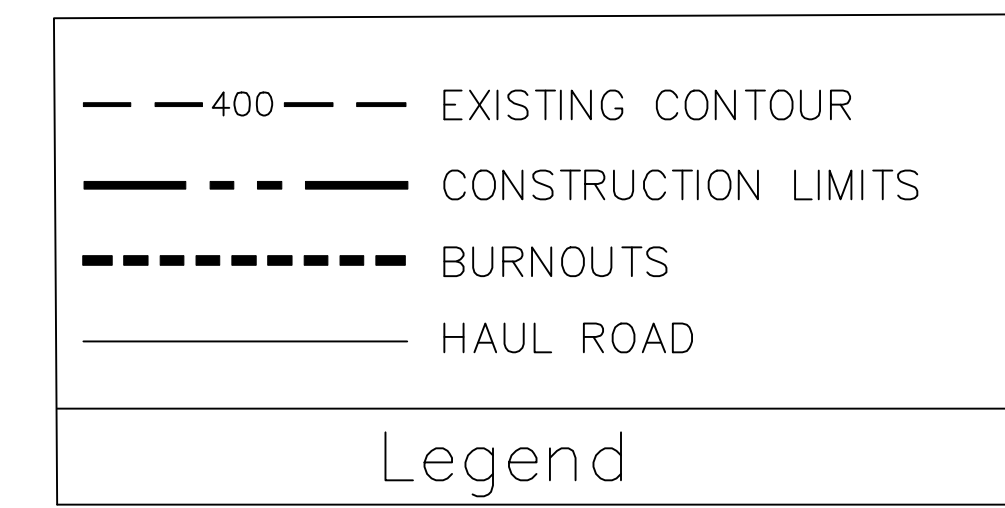
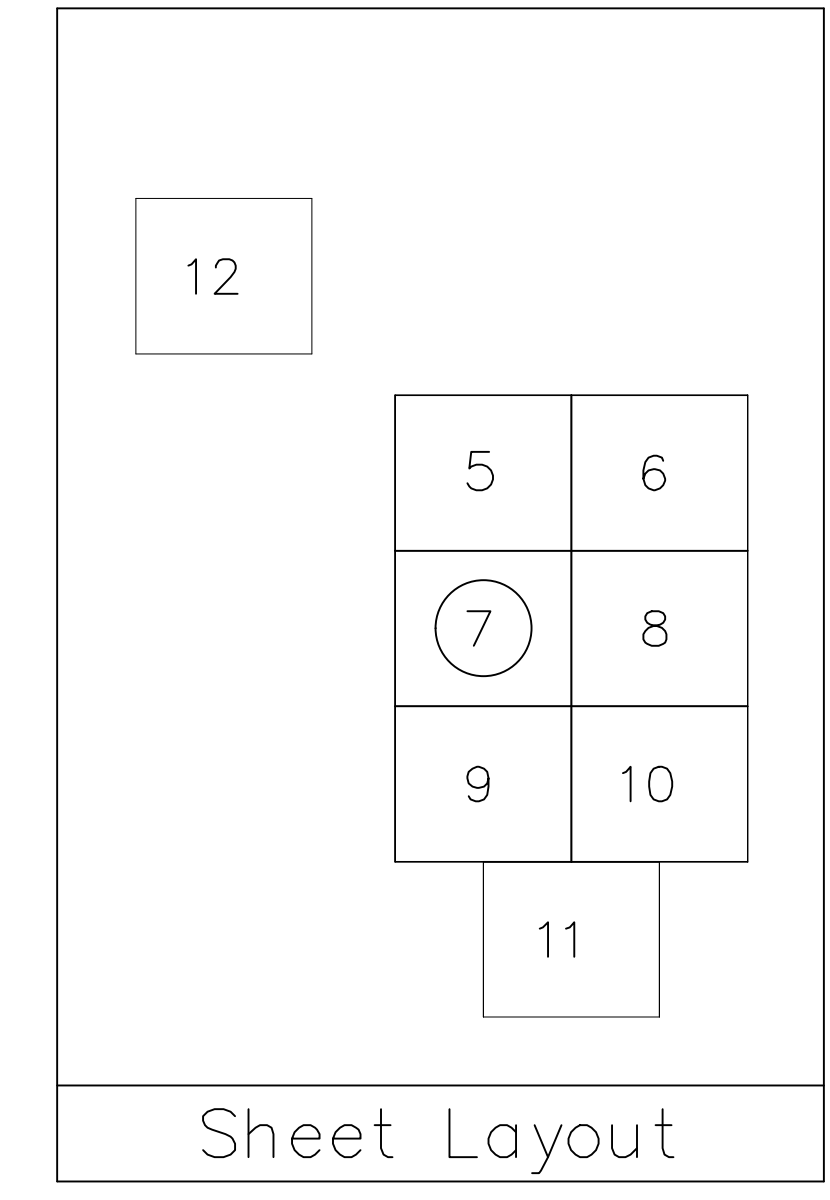


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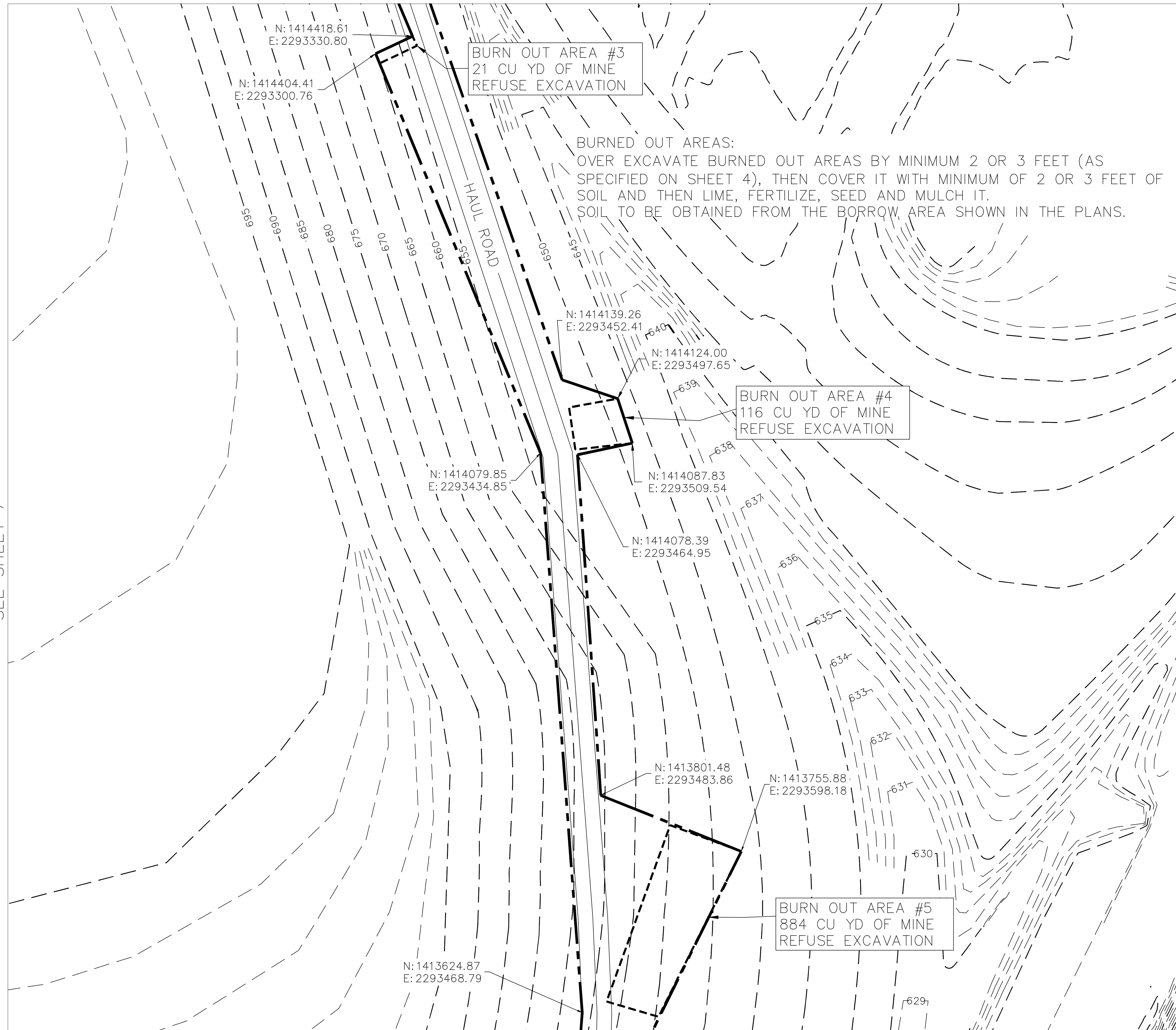
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Existing  
 Conditions  
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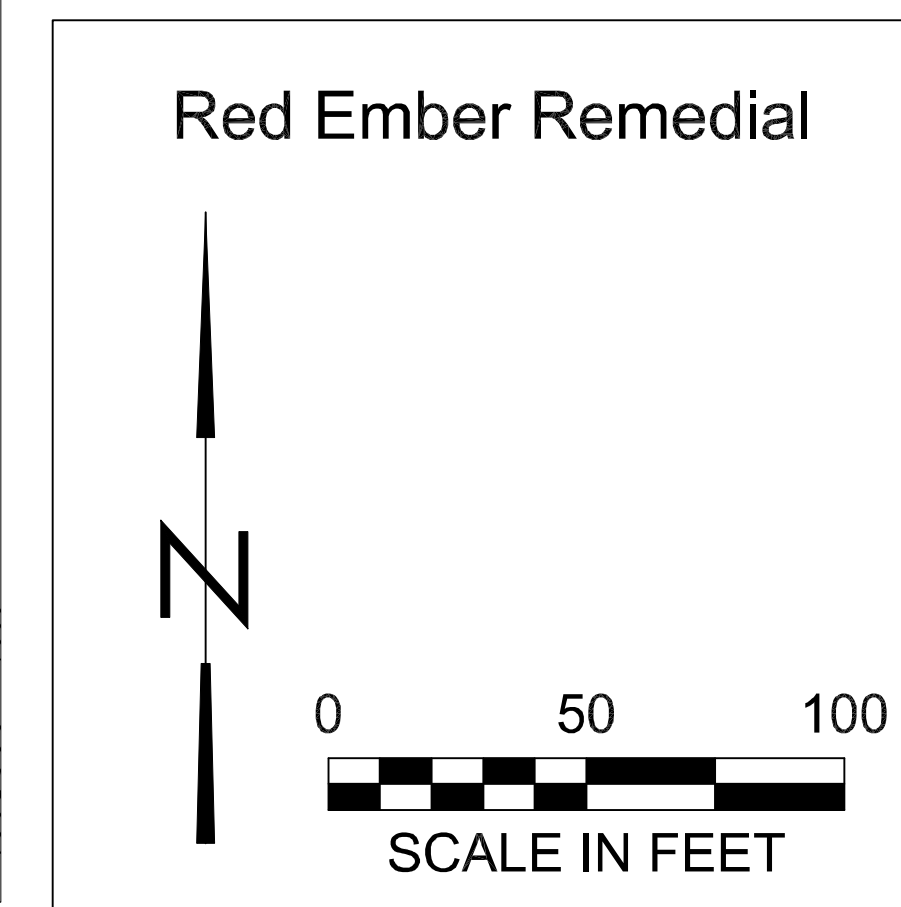
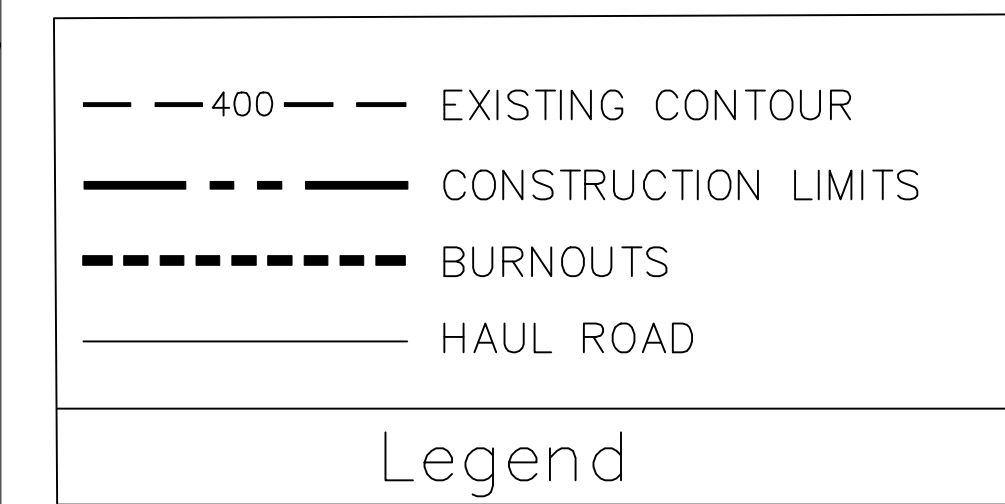
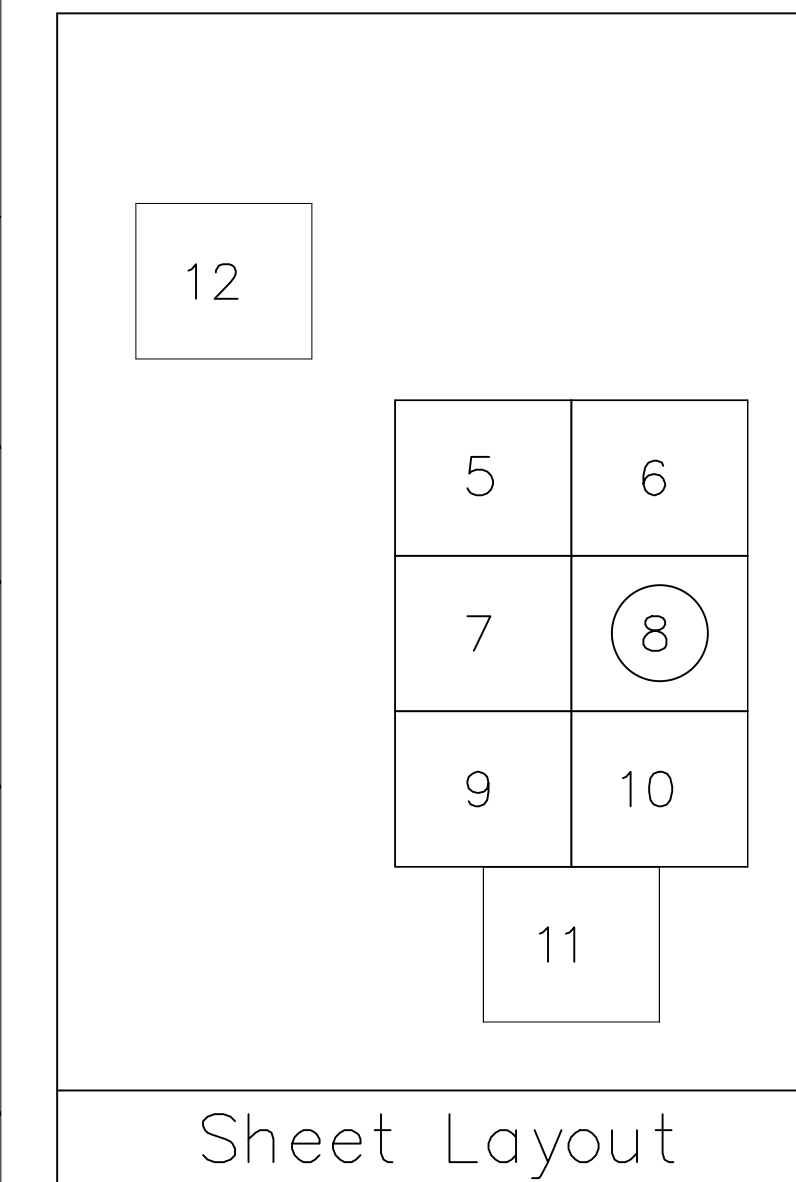


SEE SHEET 6



SEE SHEET 10

SEE SHEET 7



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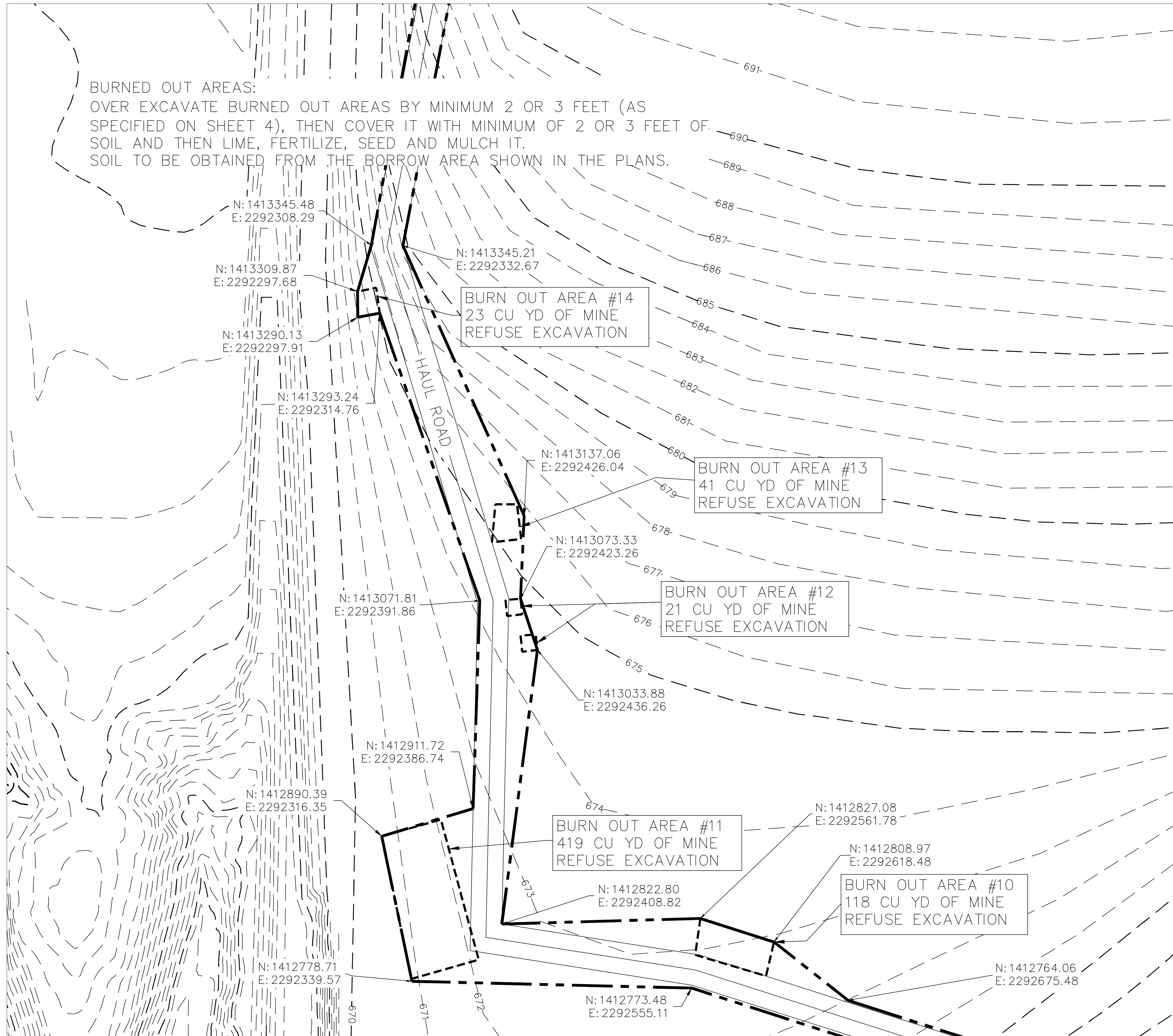
Existing  
Conditions  
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SEE SHEET 7

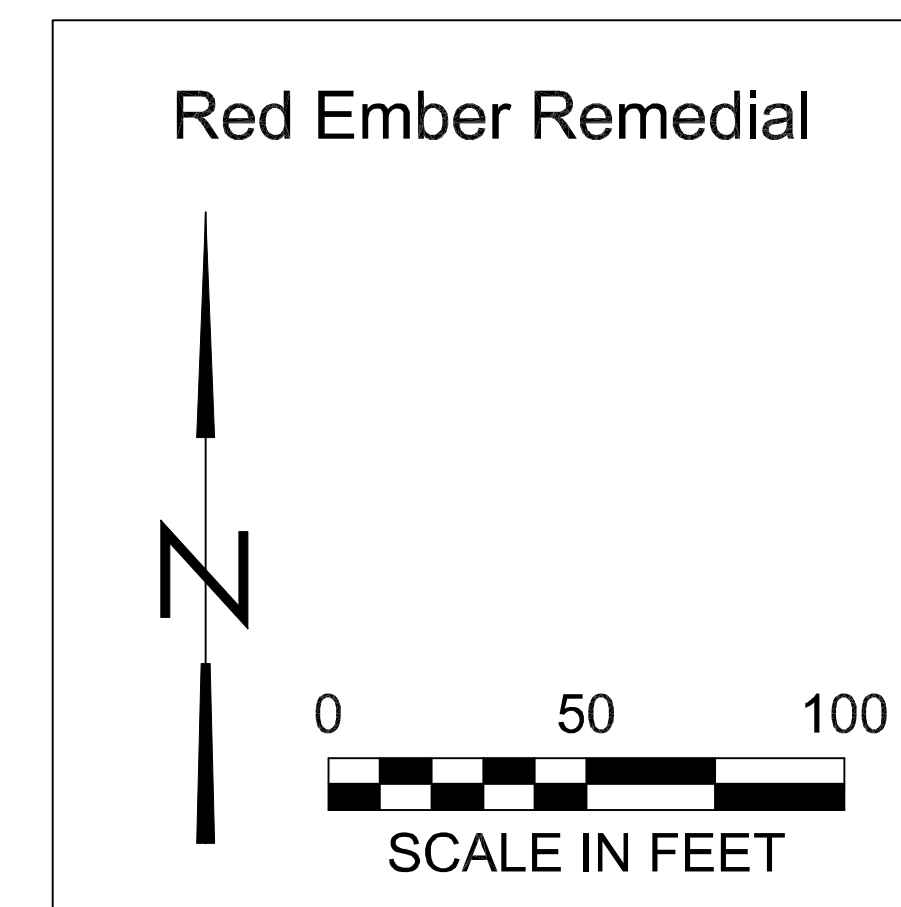
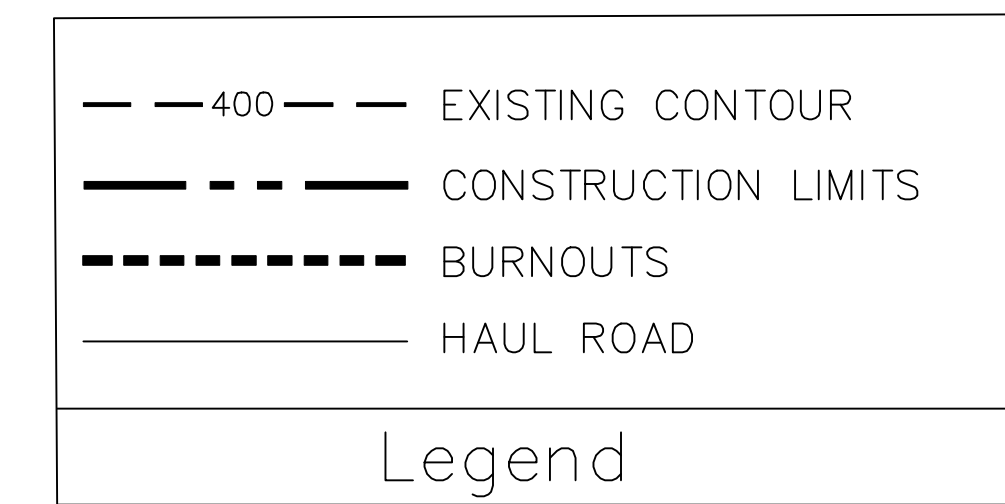
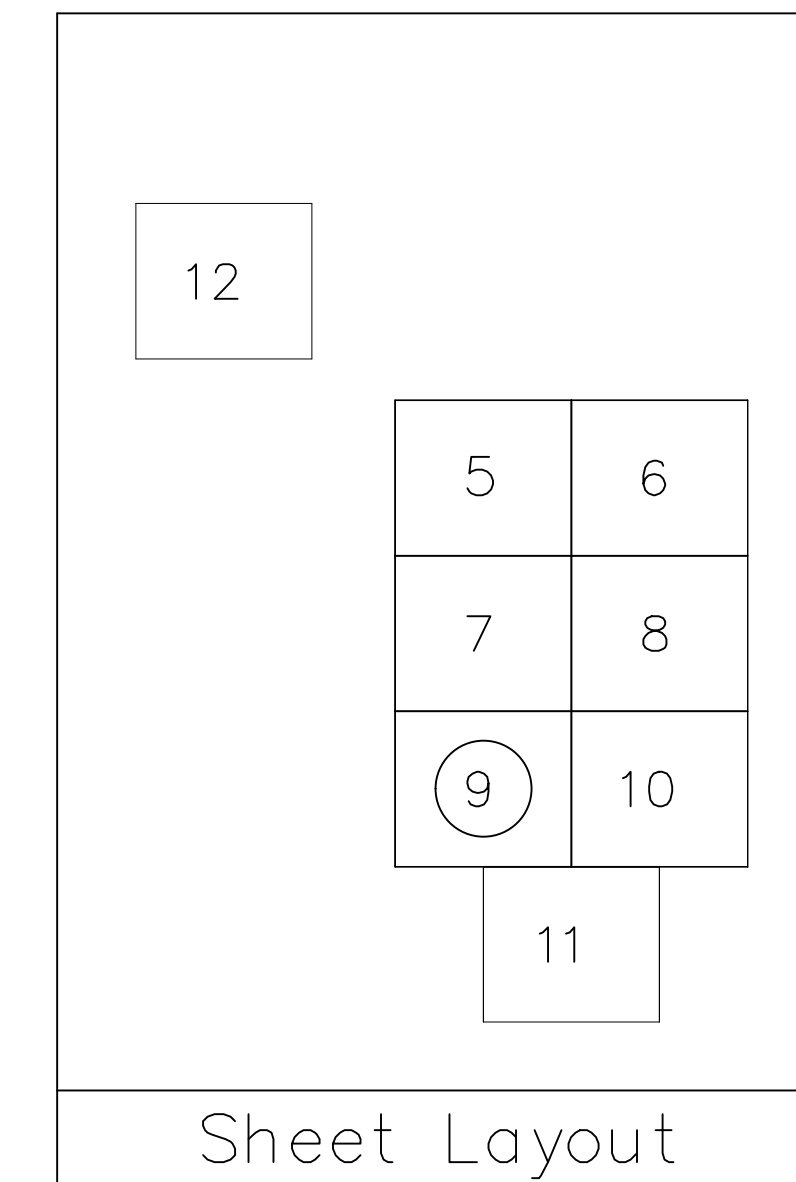
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SEE SHEET 11

SEE SHEET 10



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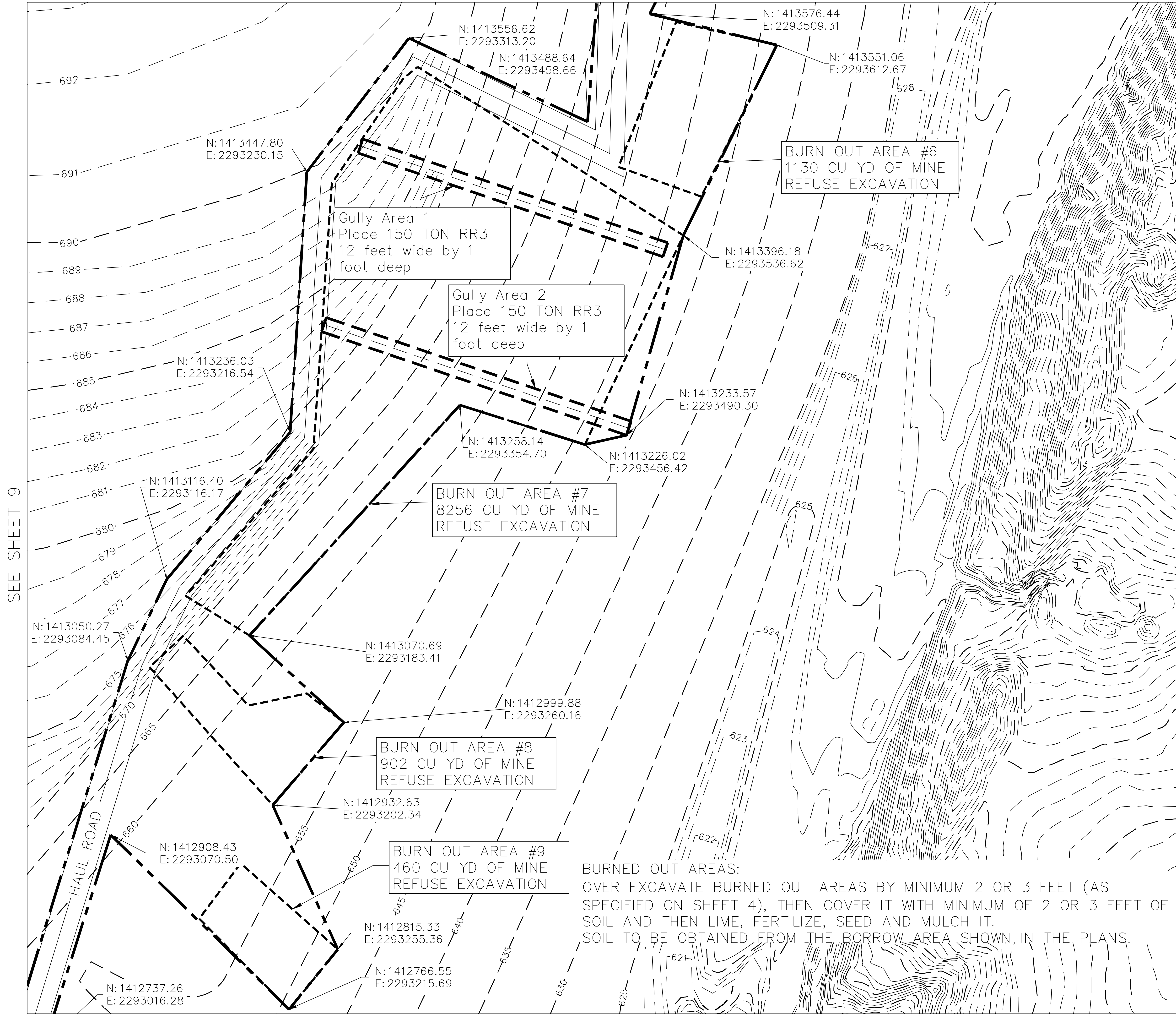
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Conditions  
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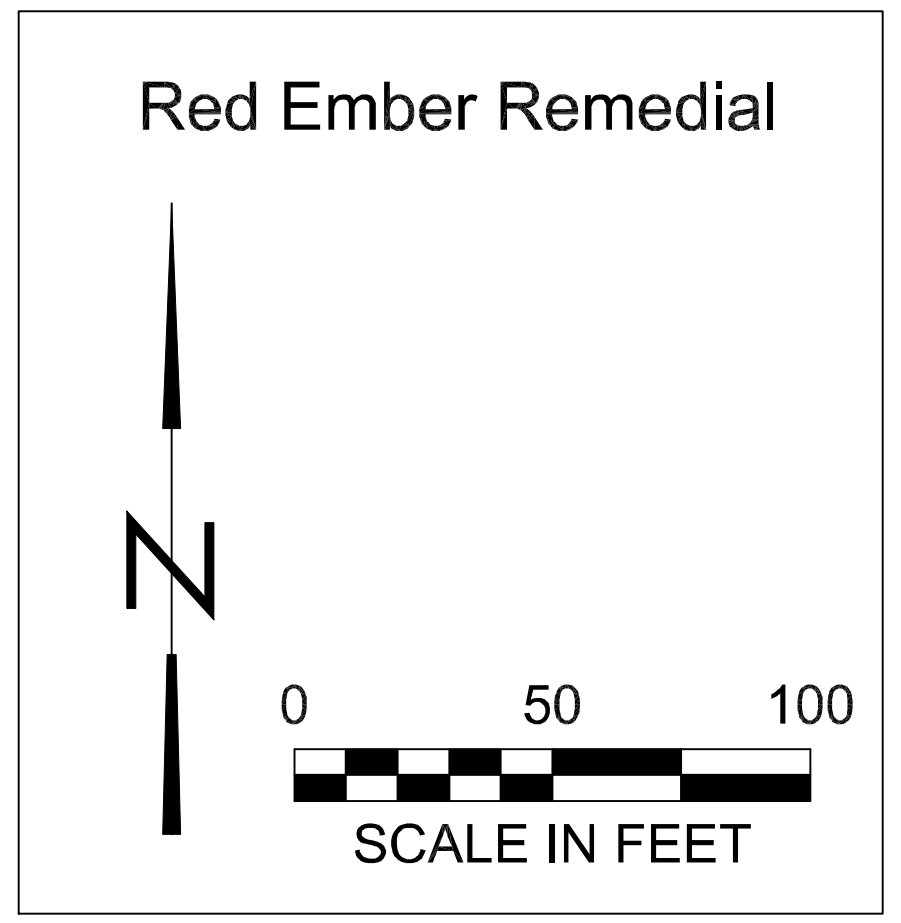
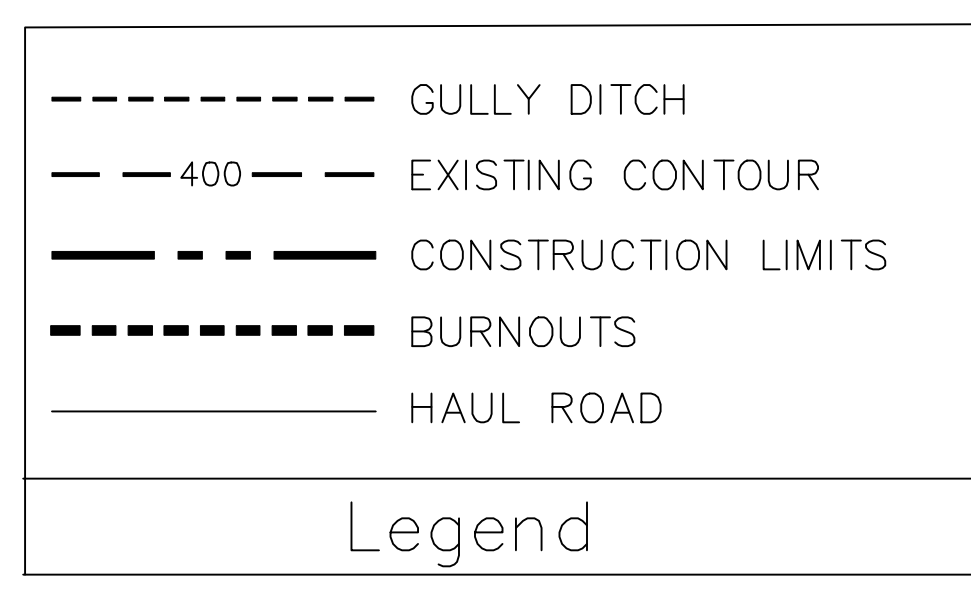
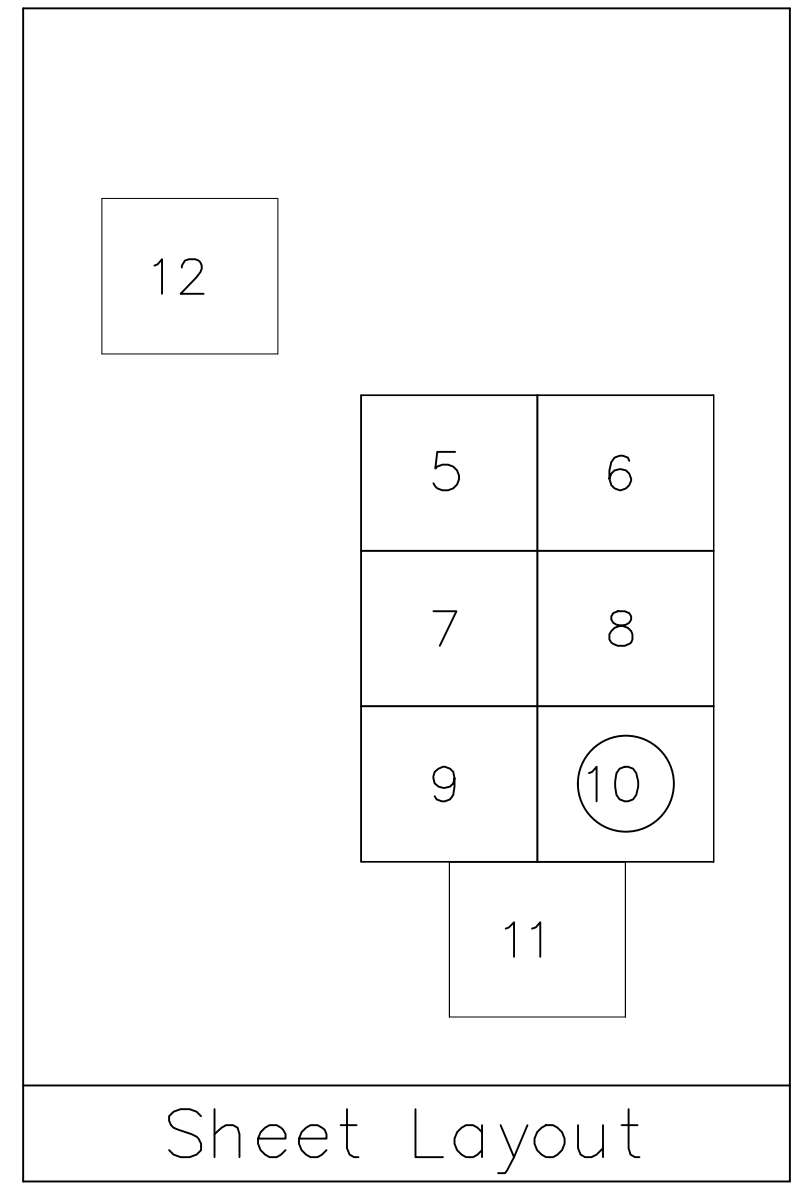


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SEE SHEET 11



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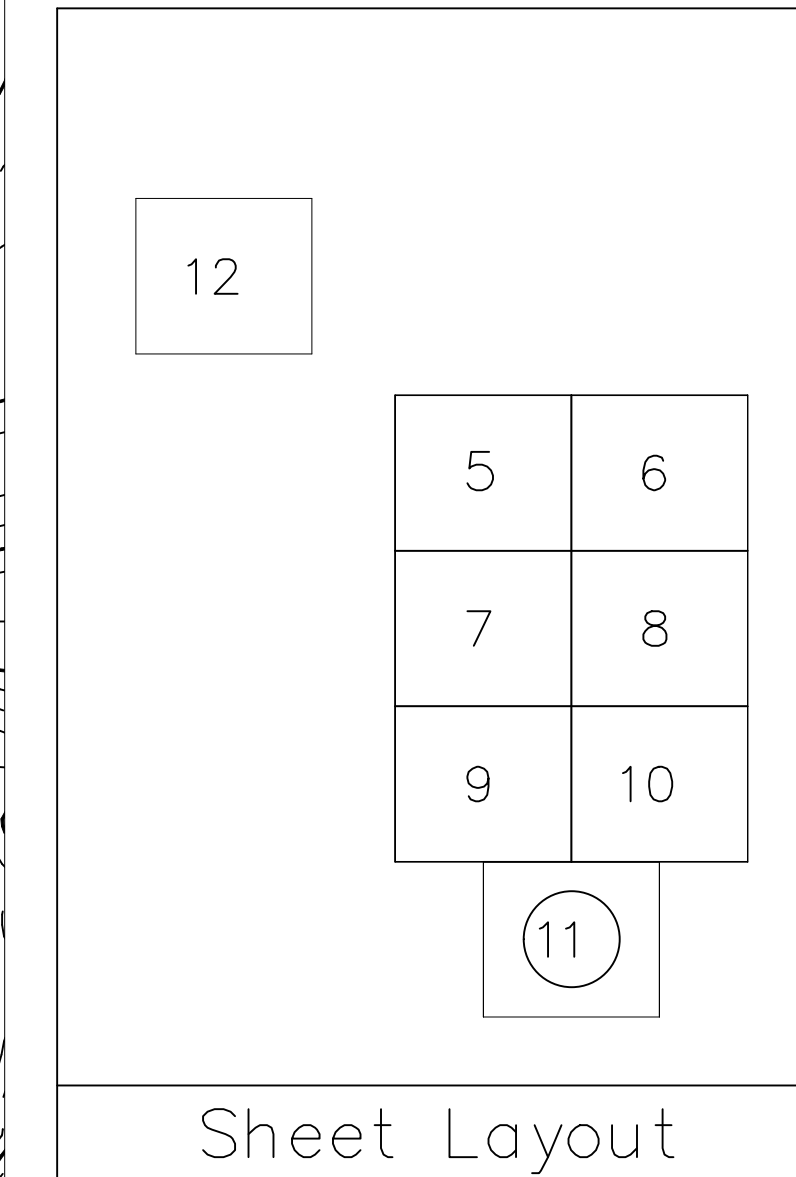
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Existing  
 Conditions  
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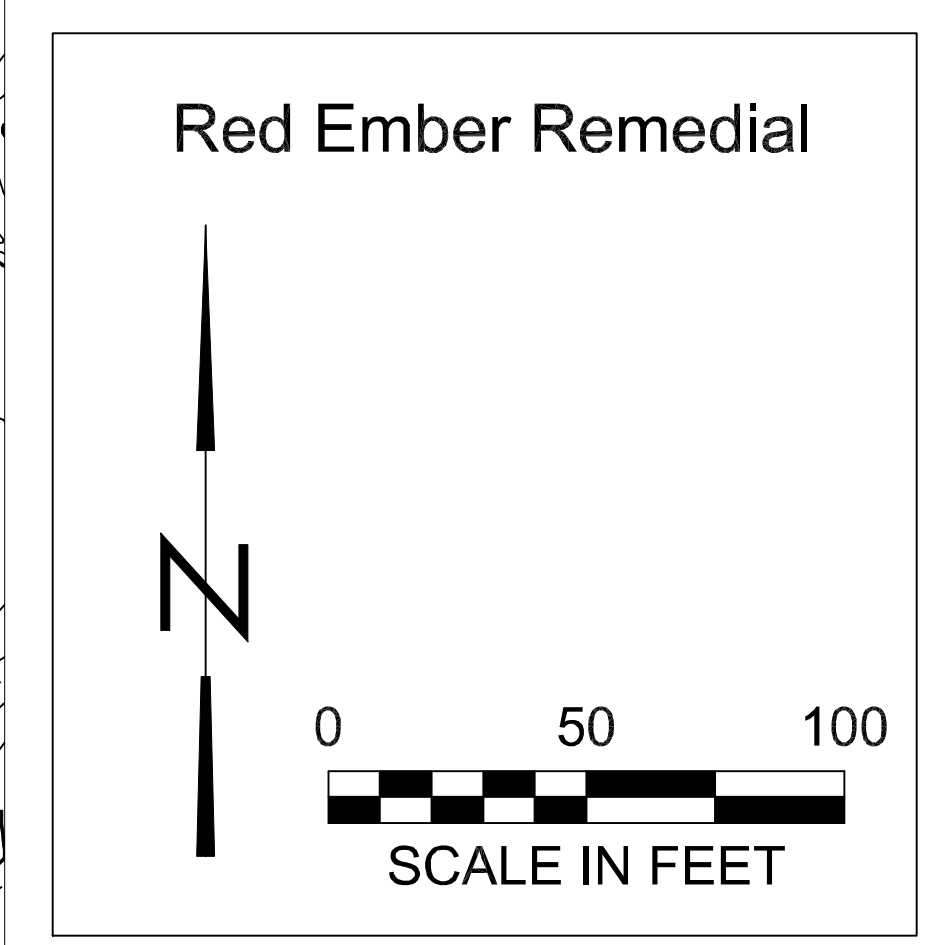
SEE SHEET 9

SEE SHEET 10



	PROPOSED CONTOUR
	EXISTING CONTOUR
	CONSTRUCTION LIMITS
	BURNOUTS
	HAUL ROAD
	BORINGS (from previous project)

Legend



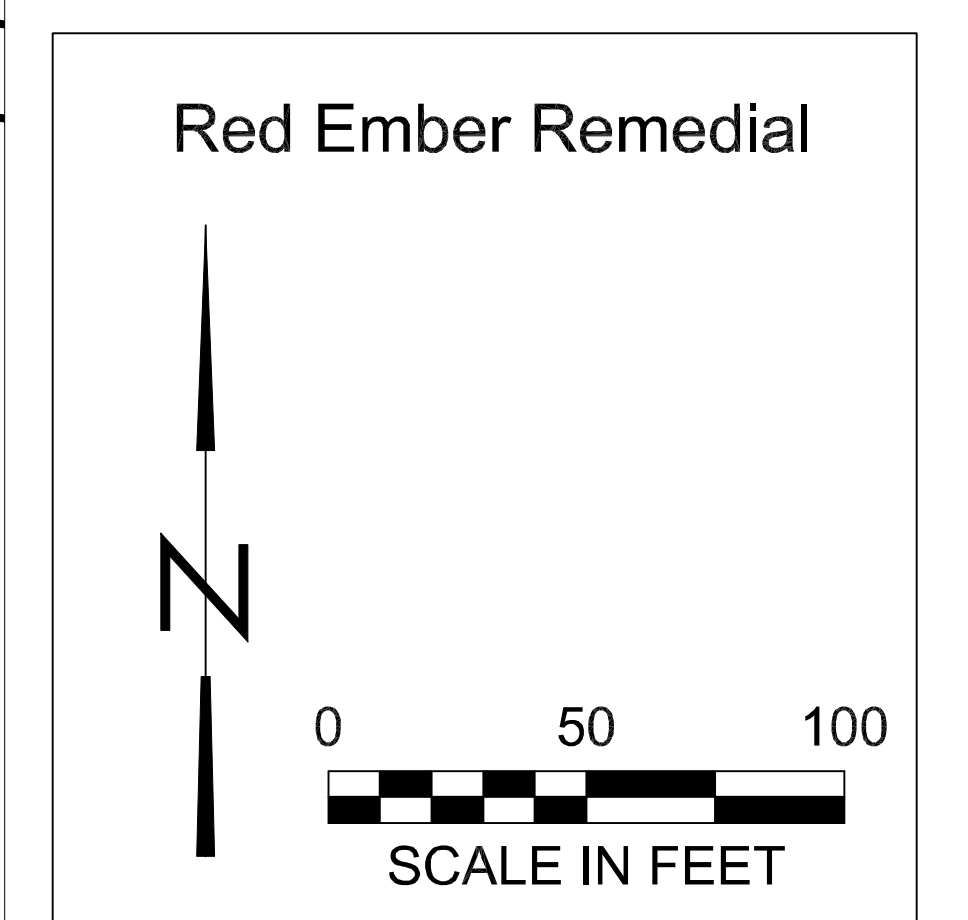
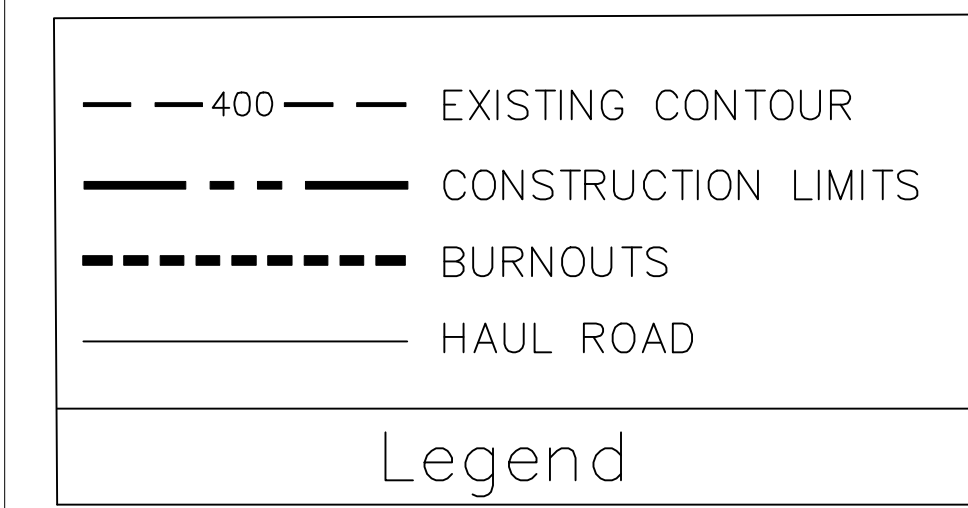
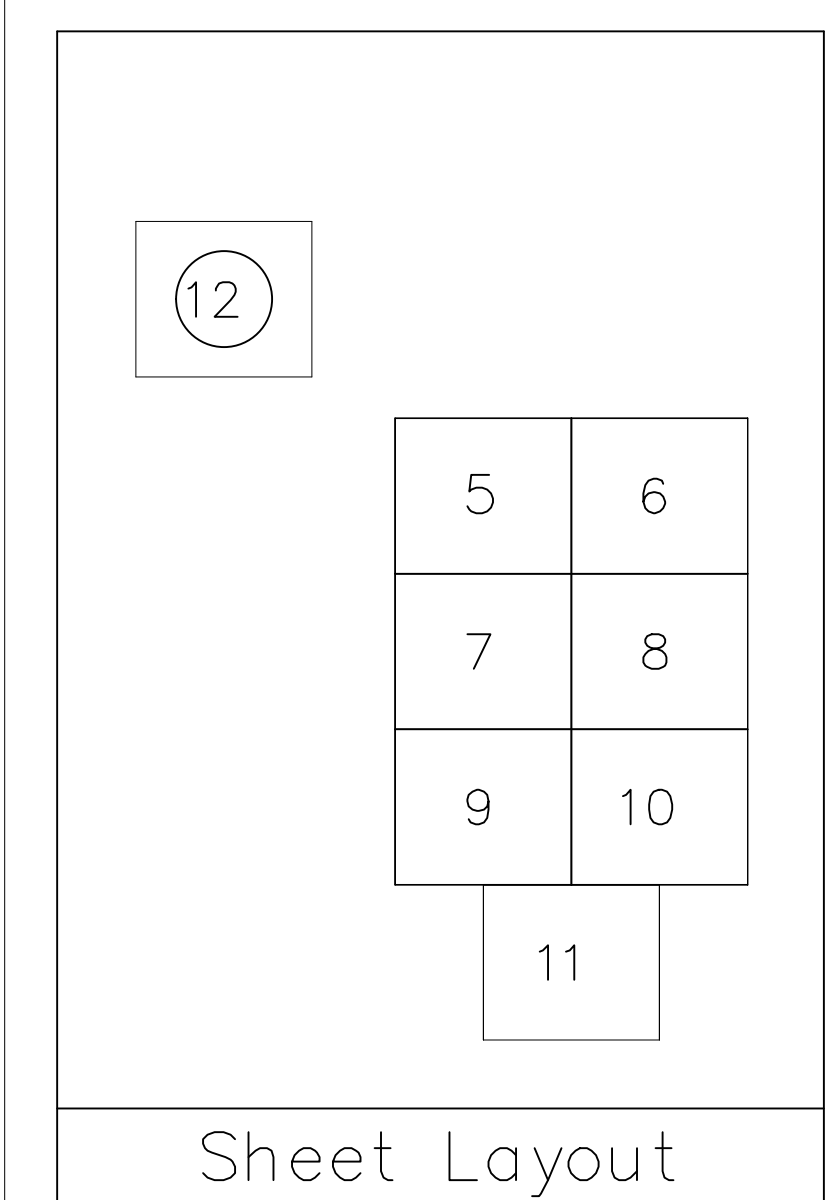
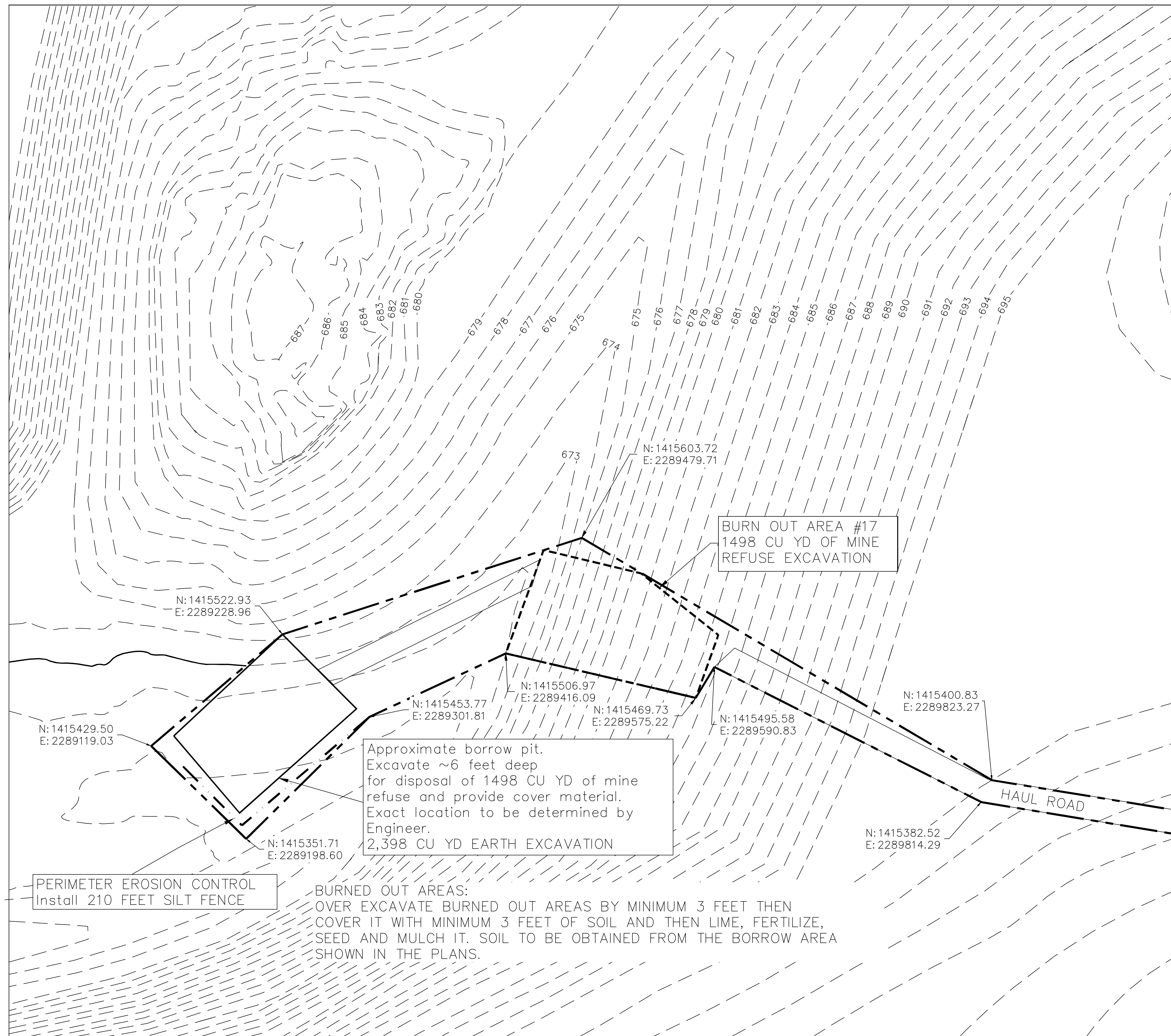
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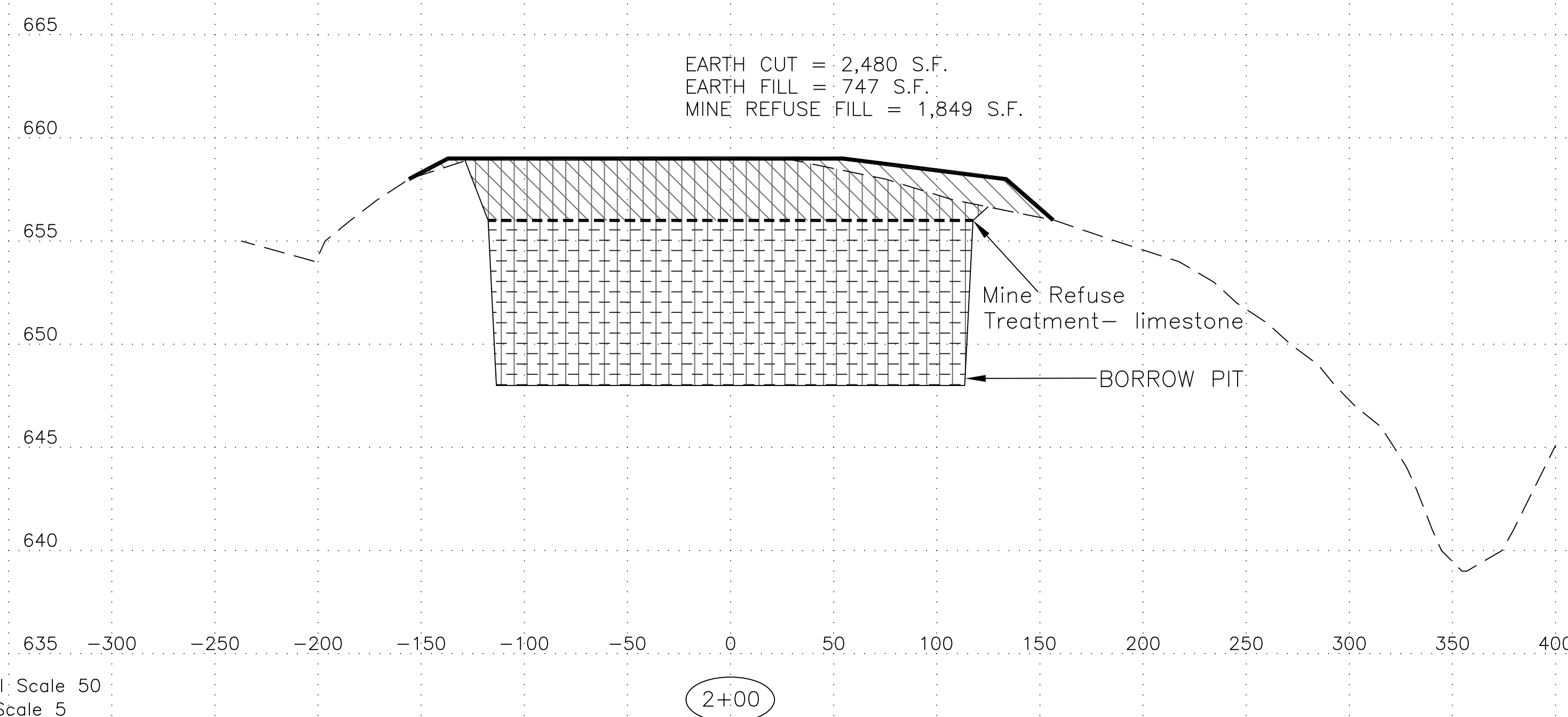
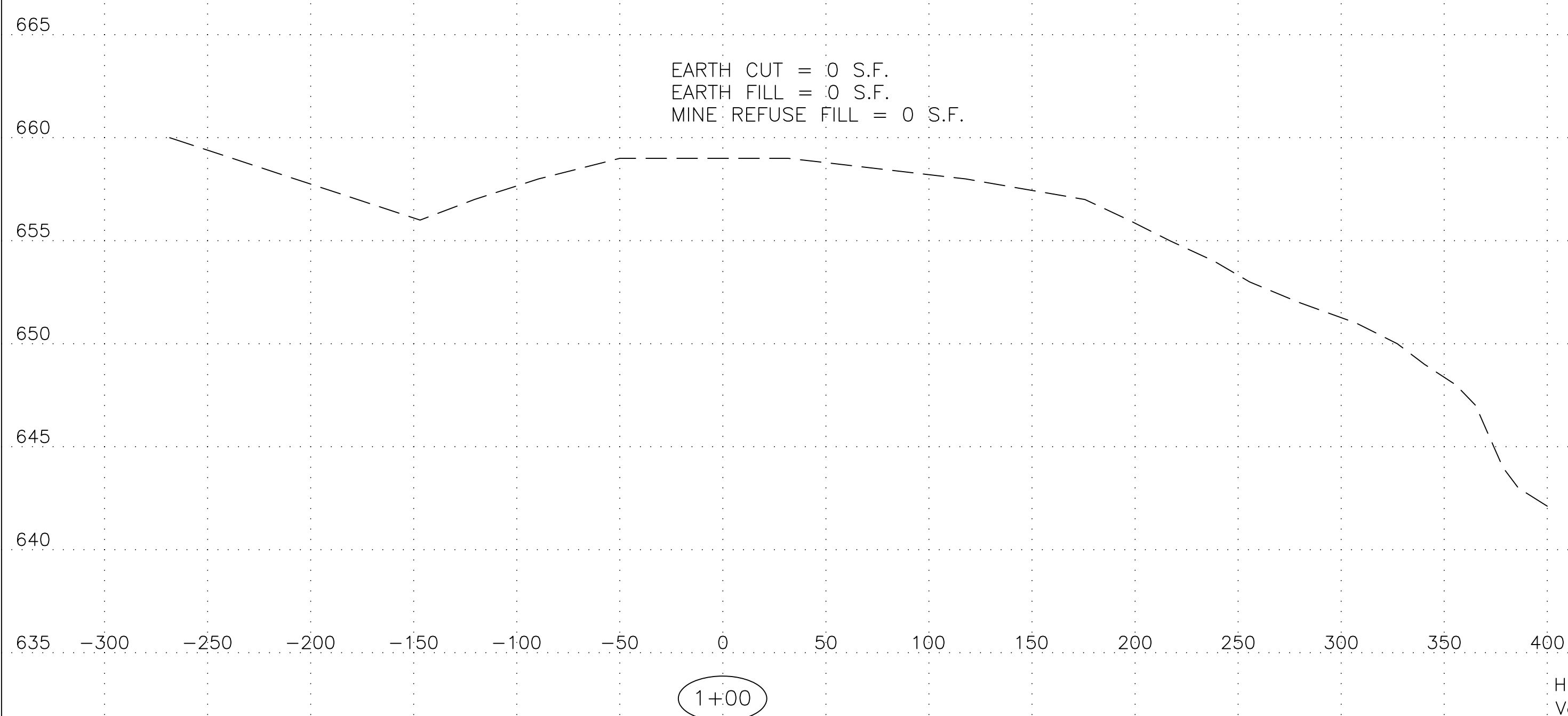
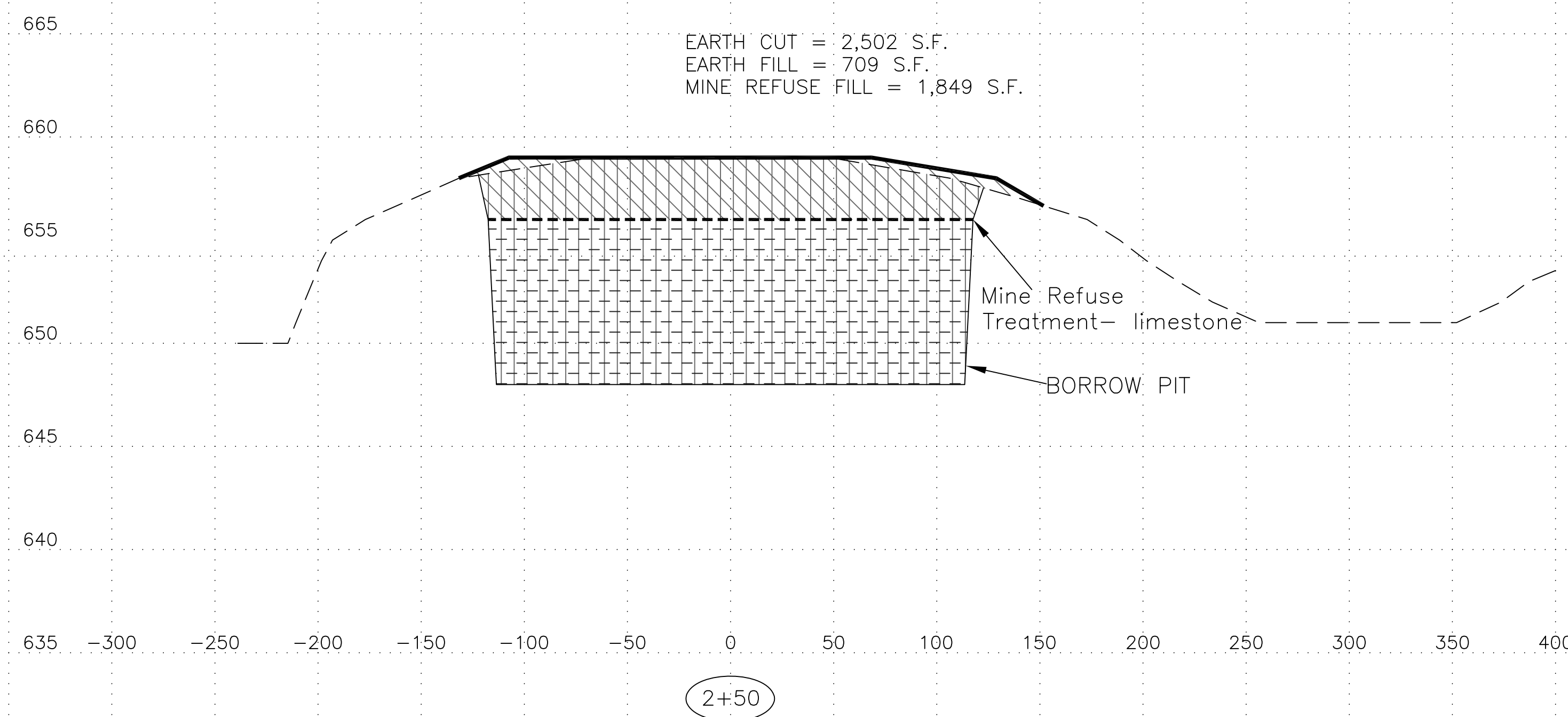
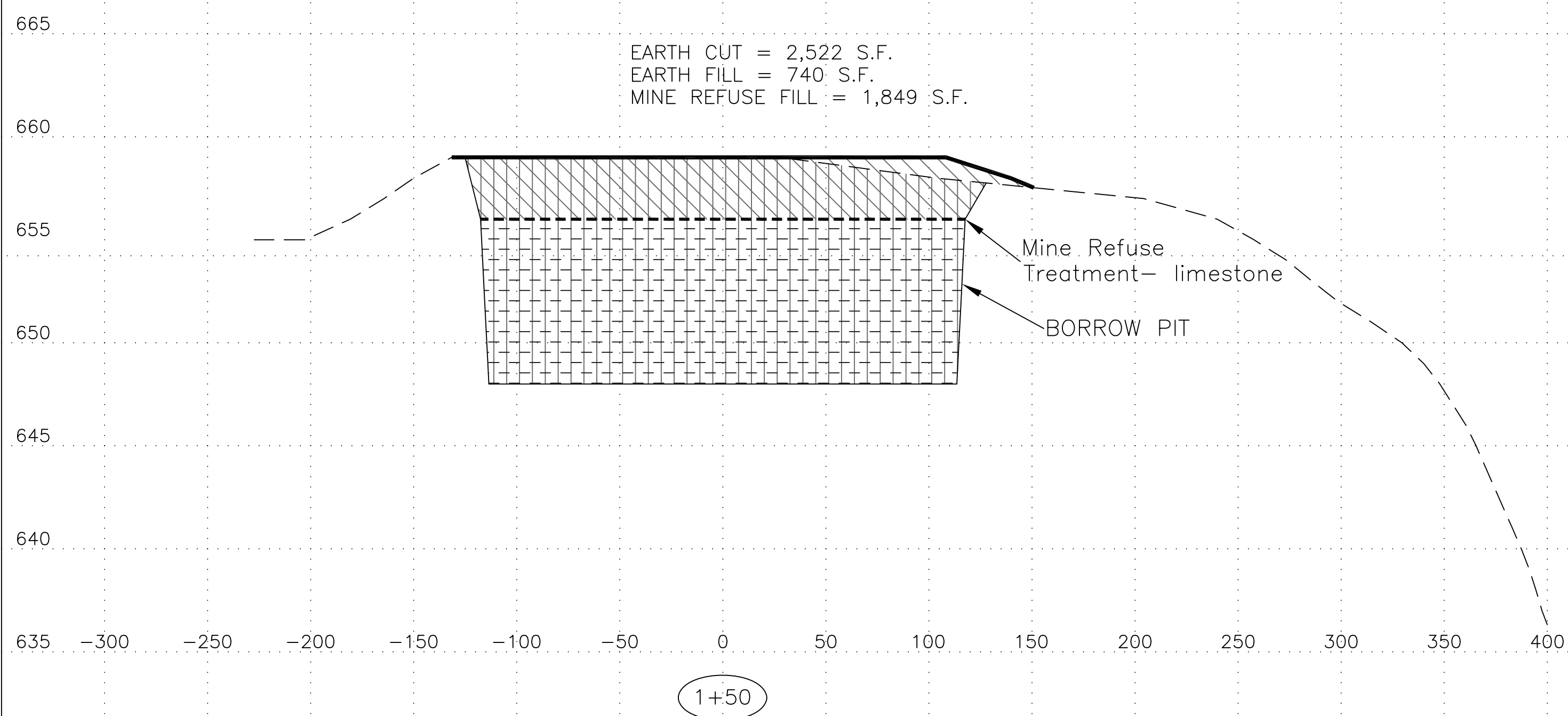
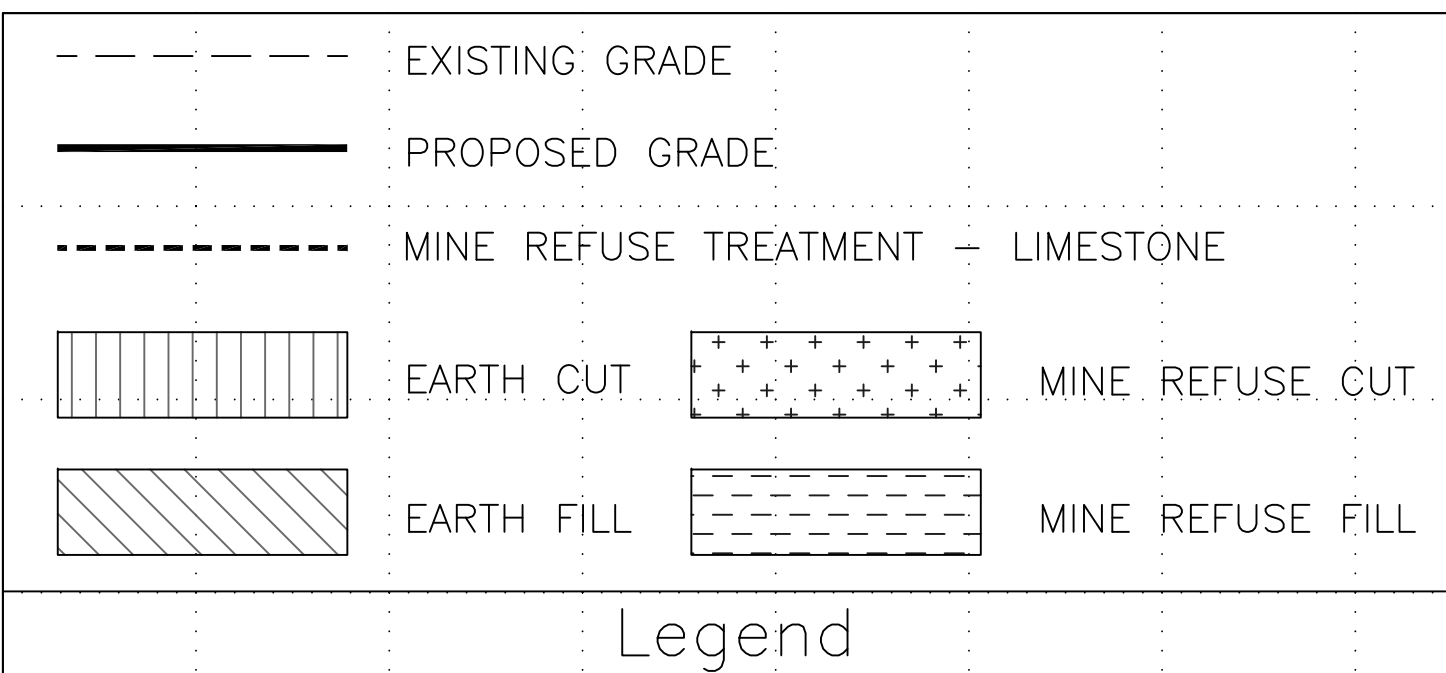
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Existing  
Conditions  
Sheet  
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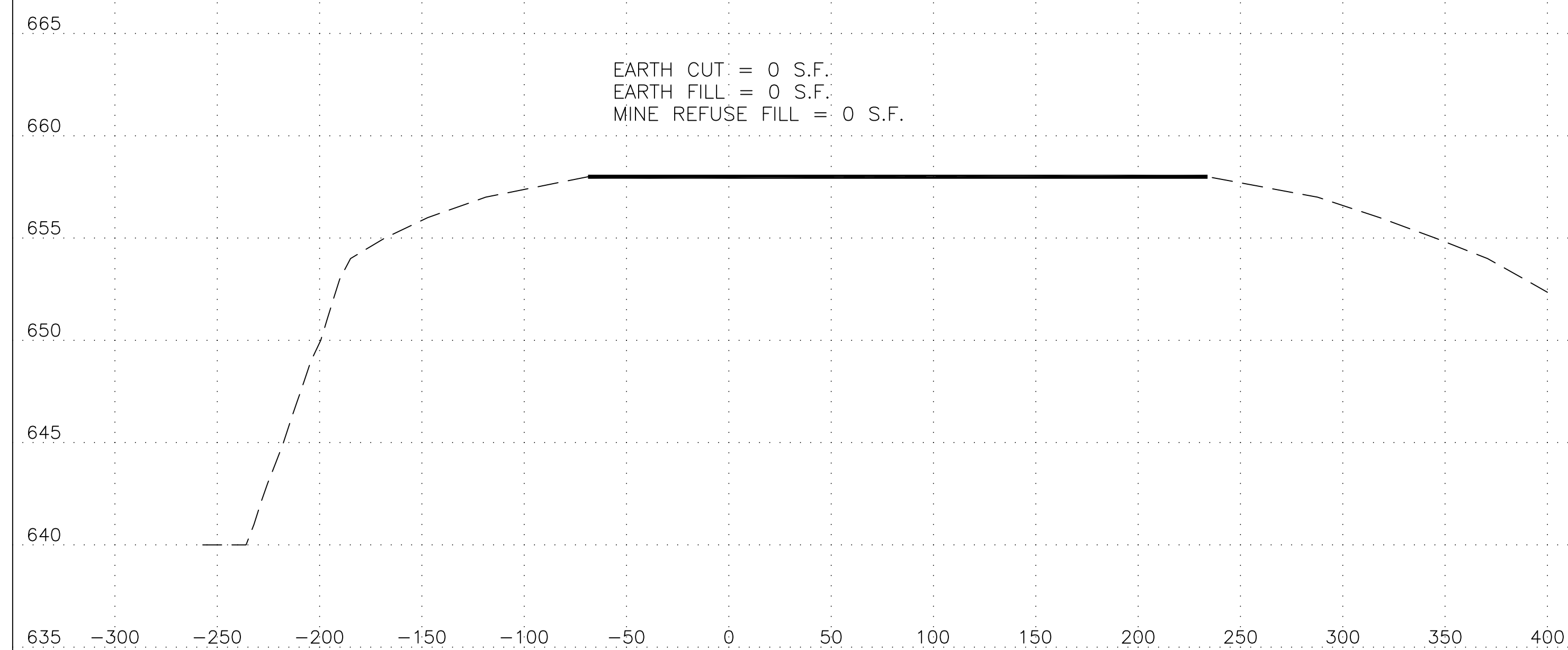
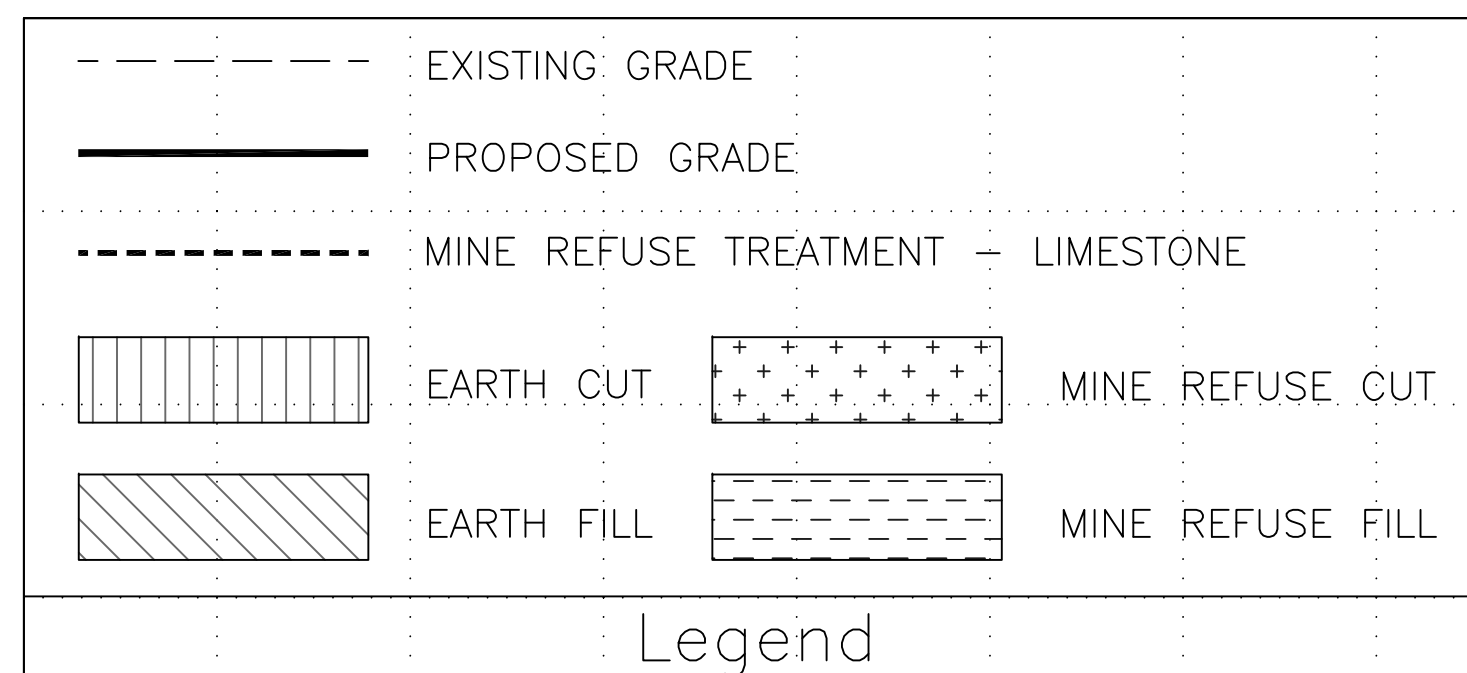




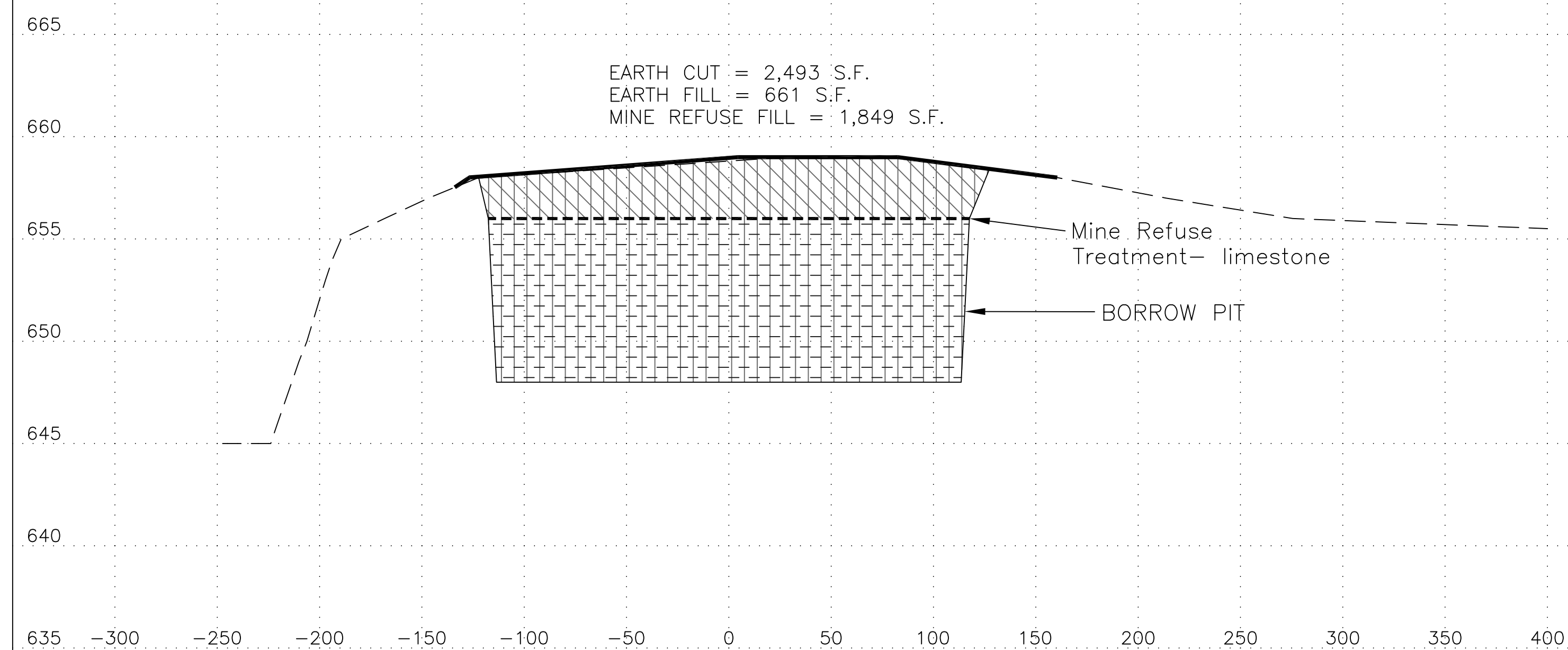


Horizontal Scale 50  
Vertical Scale 5





3+50



3+00

Horizontal Scale 50  
Vertical Scale 5