

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

Marshall Big Ridge Reclamation Project
AML-GSIE-0419
Saline County
1LR




Marshall Big Ridge
Saline County (See Sheet 2 for Location)

SCHEDULE OF DRAWINGS


1. Cover Sheet
 2. Summary of Quantities/General Notes/Location Map
 3. Existing Conditions
 4. Existing and Proposed Conditions
- 5-13. Cross Sections

Prepared By IDNR Staff

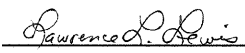
Approved for Bidding:


 Joe Angleton, Director
 Office of Mines and Minerals

Submitted By:


 J. Greg Pinto, Acting Manager
 AML Division

Approved By:


 Lawrence L. Lewis, P.E.
 IL Licensed Professional Engineer
 No. 062-047252



Summary of Quantities

#	Item	Section	Quantity	Unit	Rates/Remarks
1	Special Clearing	201	1	L.S.	
2	Earth Excavation	202	134,238	C.Y.	Compaction required per SP 205
3	Seeding	250	17.0	Acre	
4	Nitrogen Fertilizer Nutrient	250	3,400	Pound	200 LB/Acre - Two Applications
5	Phosphorus Fertilizer Nutrient	250	2,380	Pound	140 LB/Acre
6	Potassium Fertilizer Nutrient	250	5,100	Pound	300 LB/Acre
7	Agricultural Ground Limestone	250	340	Ton	20 Ton/Acre
8	Mulch, Method 2, Procedure 1	IDOT 251	17.0	Acre	2 Ton/Acre
9	Mowing	258	17.0	Acre	
10	Temporary Ditch Checks - Strawbale	280	4	Each	IDOT STD 280001-02 from Rev. 207
11	Special Excelsior Blanket	286	4,592	S.Y.	8 Foot Width
12	Dewatering Impoundments	614	1	L.S.	
13	Mobilization	671	1	L.S.	Max. 6% of Bid

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.

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

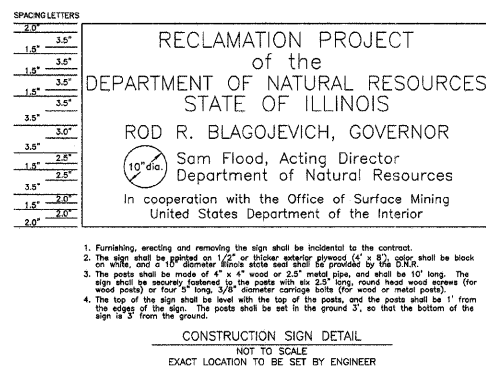
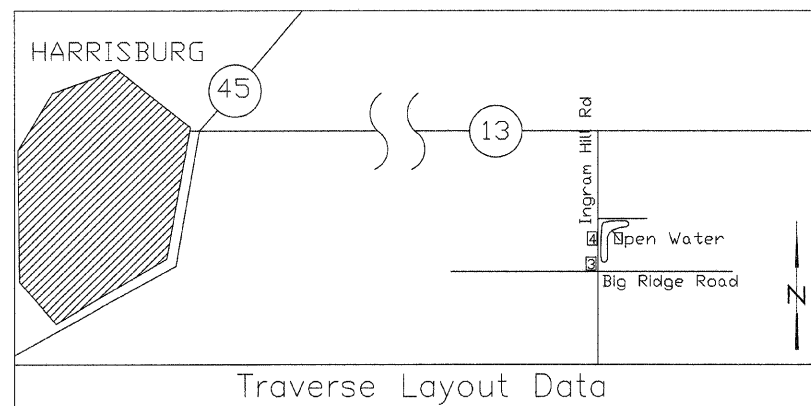
BURIAL/REMOVAL OF MATERIAL—Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special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

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

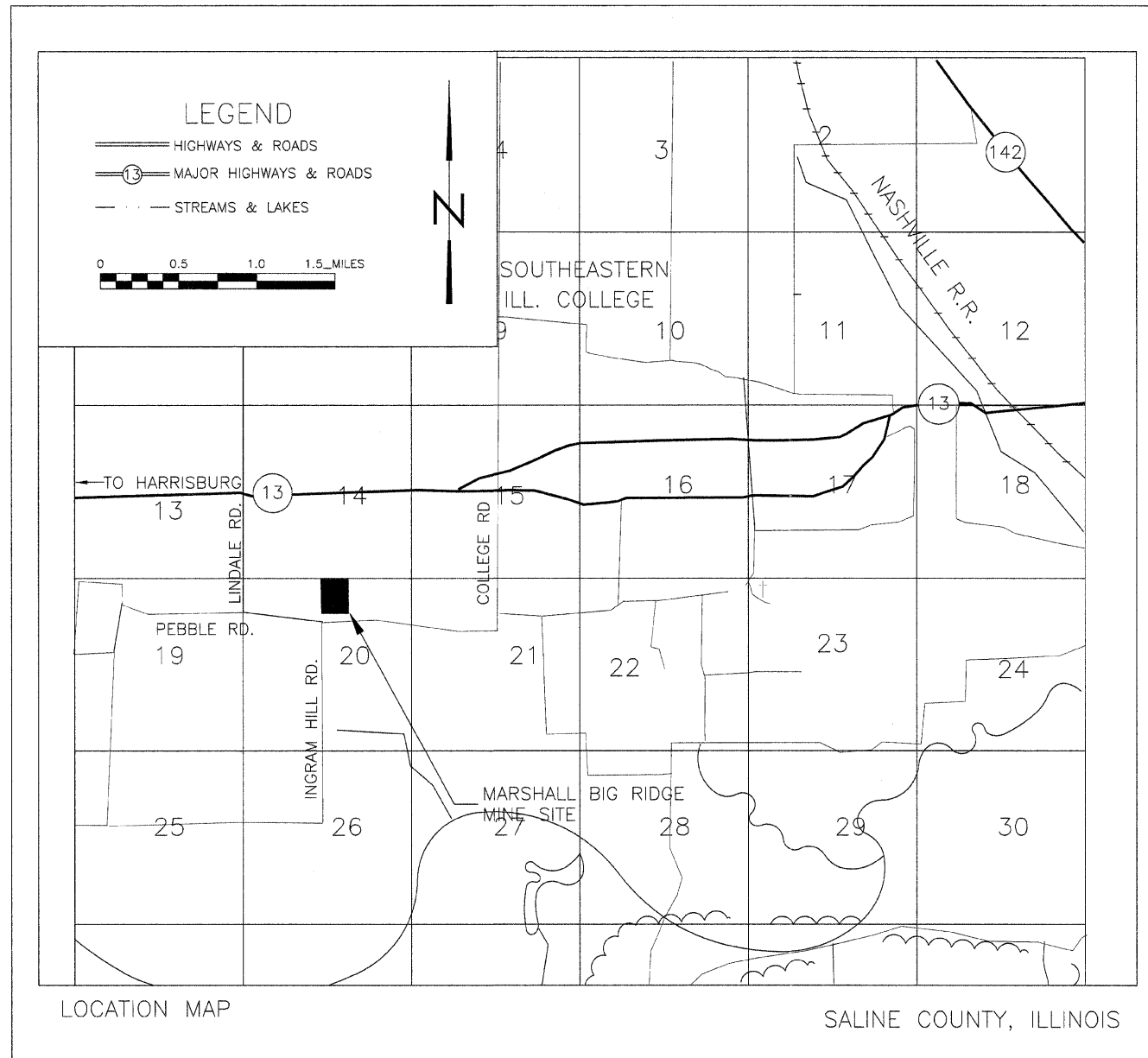
EROSION CONTROL—The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures 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.



- 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'). Signs shall be black on white, and 2-1/2" diameter silver reflective shall be provided by the contractor.
- 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 3" long, 3/8" diameter carriage bolts (for 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 5" from the ground.



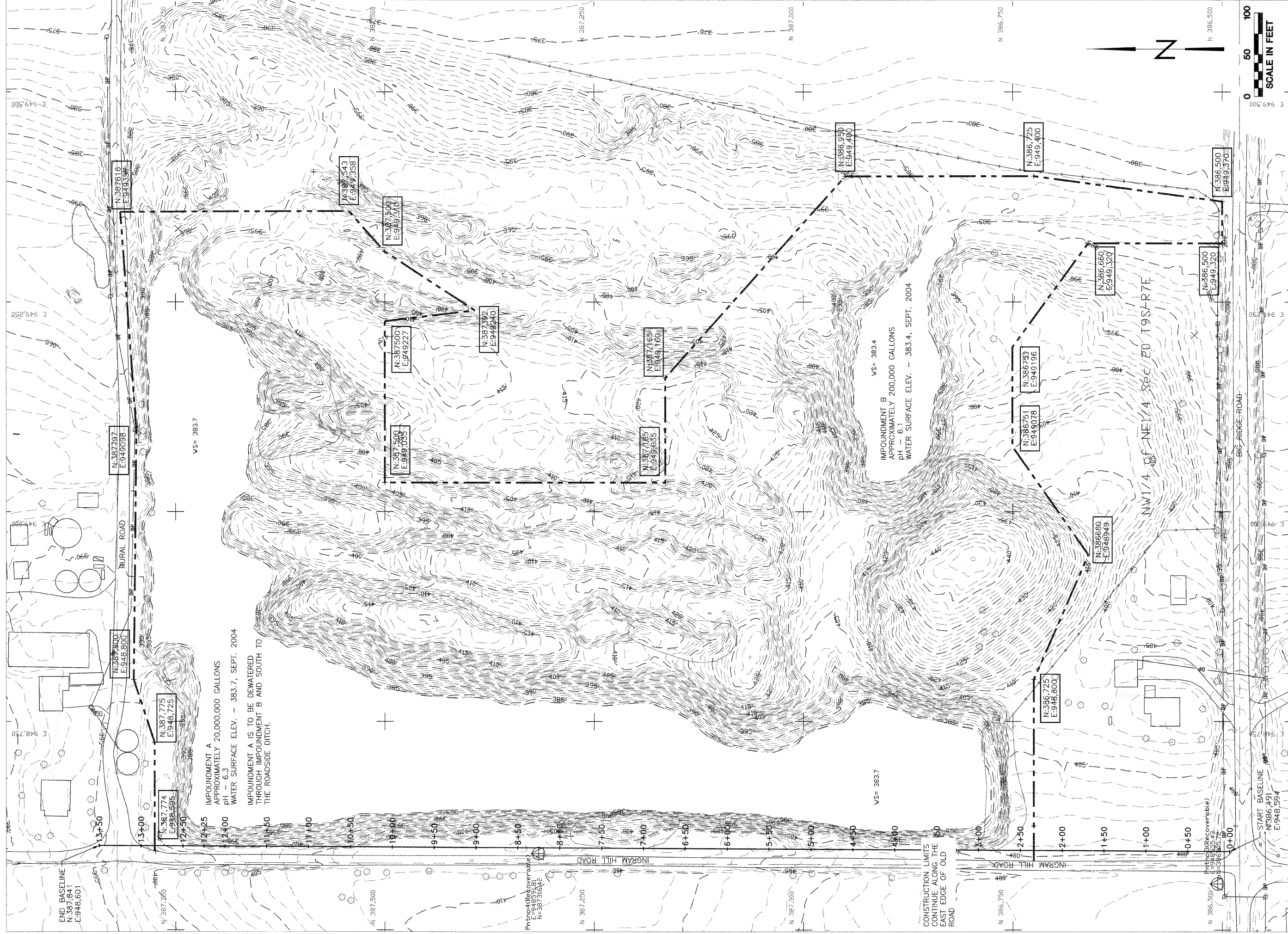
Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing				
ITEM (unit)	Aug. 20 - Sep. 30, 2009	Jan. 1 - Mar. 15, 2010	June 15 - June 30, 2010	TOTAL QUANTITY
SEEDING (acres)	17.0 Acres		Actual date to be approved by Engineer	17.0 Acres
AGRICULTURAL GROUND LIMESTONE (tons)	340.0 Tons			340.0 Tons
NITROGEN FERTILIZER NUTRIENT (pounds)	1,700 Lbs.	1,700 Lbs.		3,400 Lbs.
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	2,380 Lbs.			2,380 Lbs.
POTASSIUM FERTILIZER NUTRIENT (pounds)	5,100 Lbs.			5,100 Lbs.
MULCH, METHOD 2 PROCEDURE 1 (acres)	17.0 Acres			17.0 Acres
MOWING (acres)			17.0 Acres	17.0 Acres

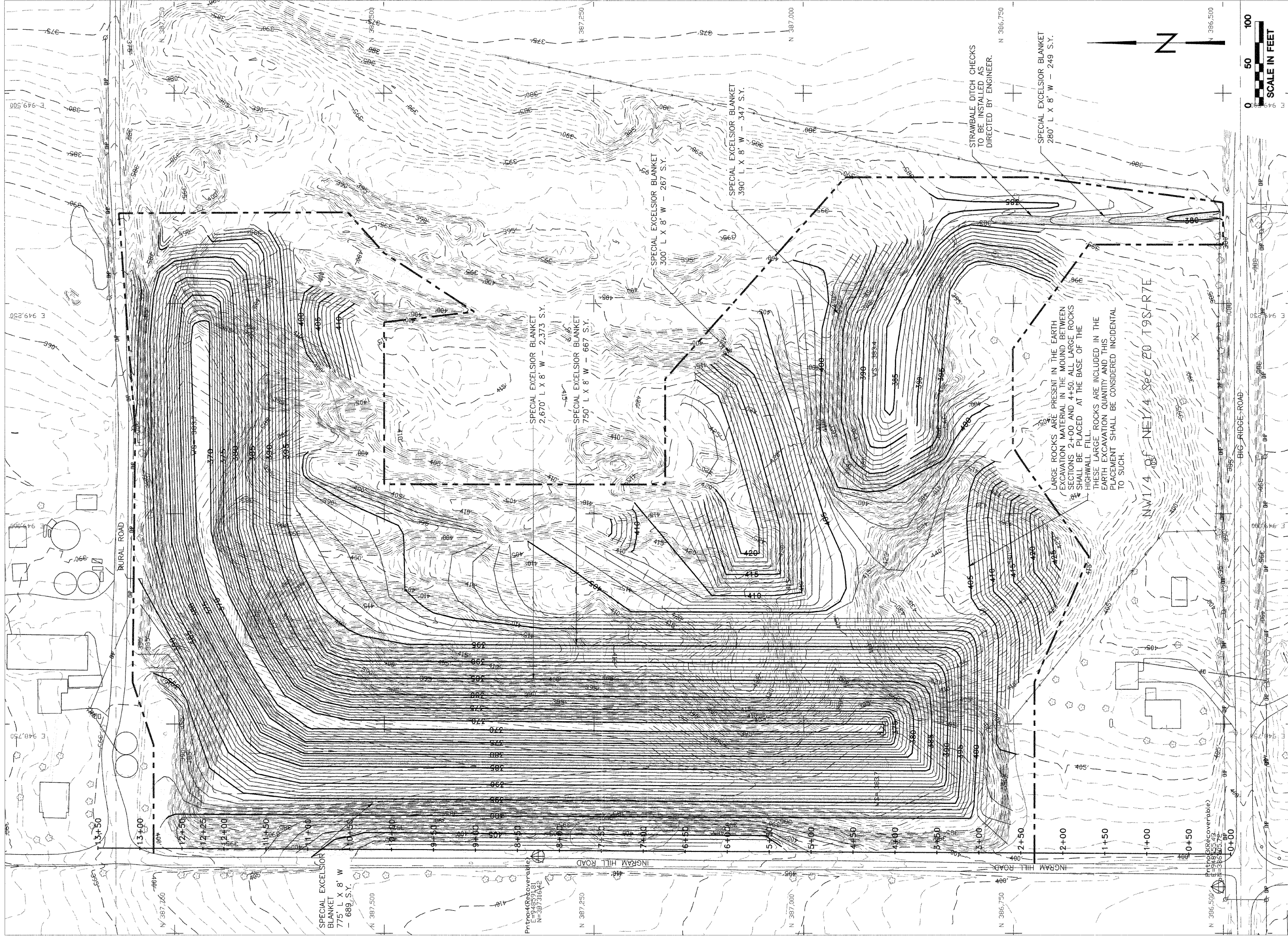
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Department of Natural Resources

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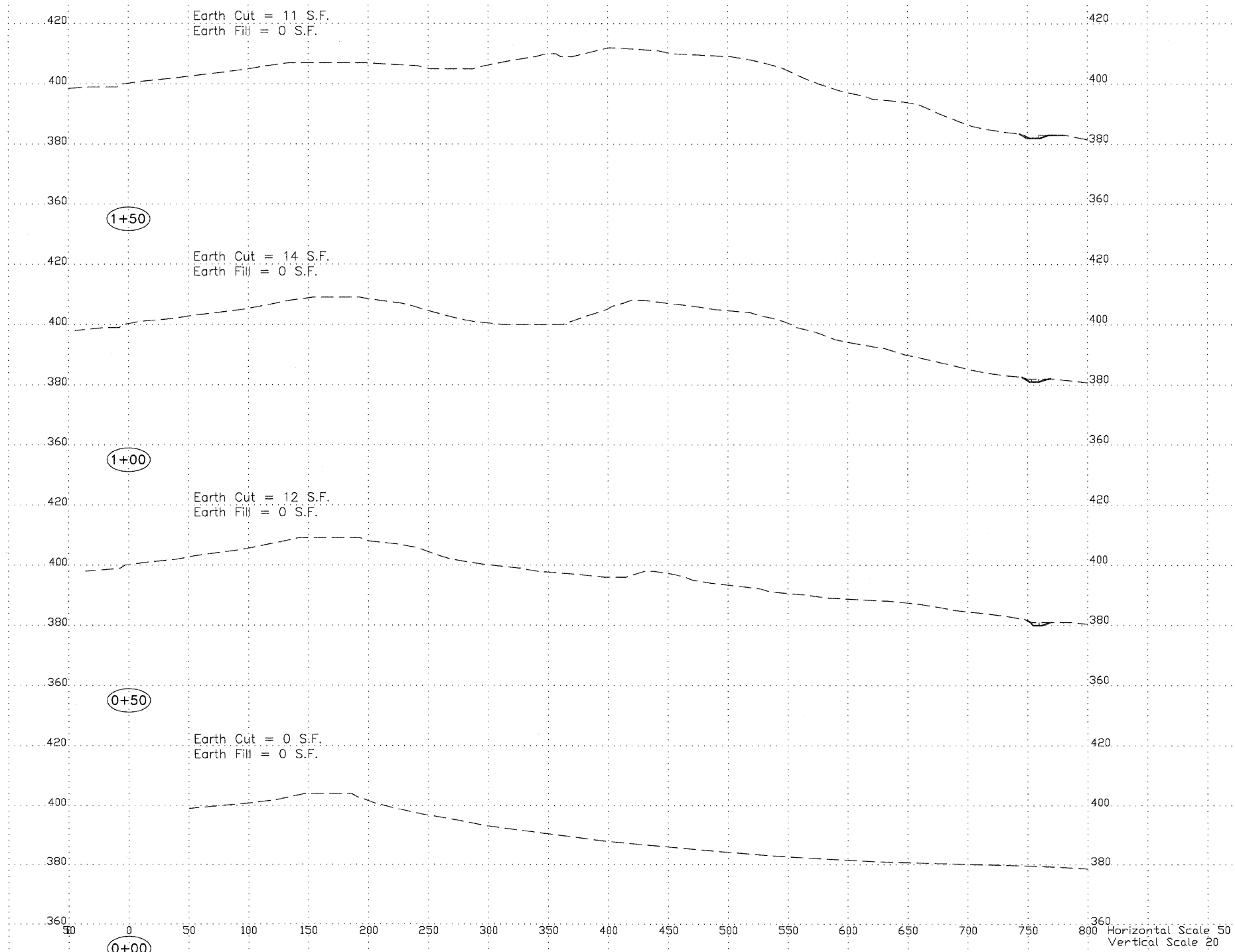
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Checked By: _____

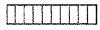
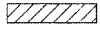
Summary of Quantities/
General Notes/Location Map
Construction Sign Detail
Sheet 2 of 13

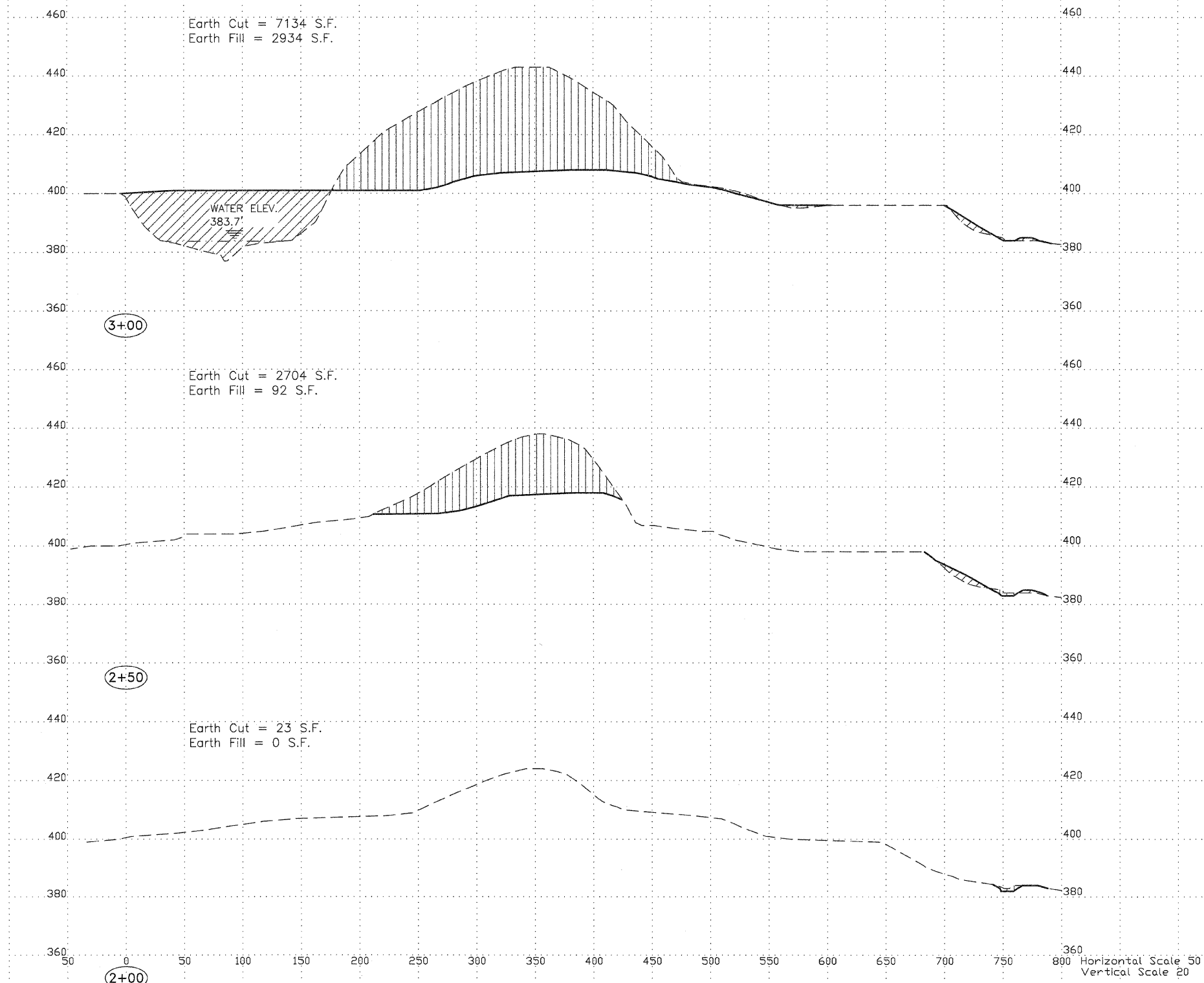




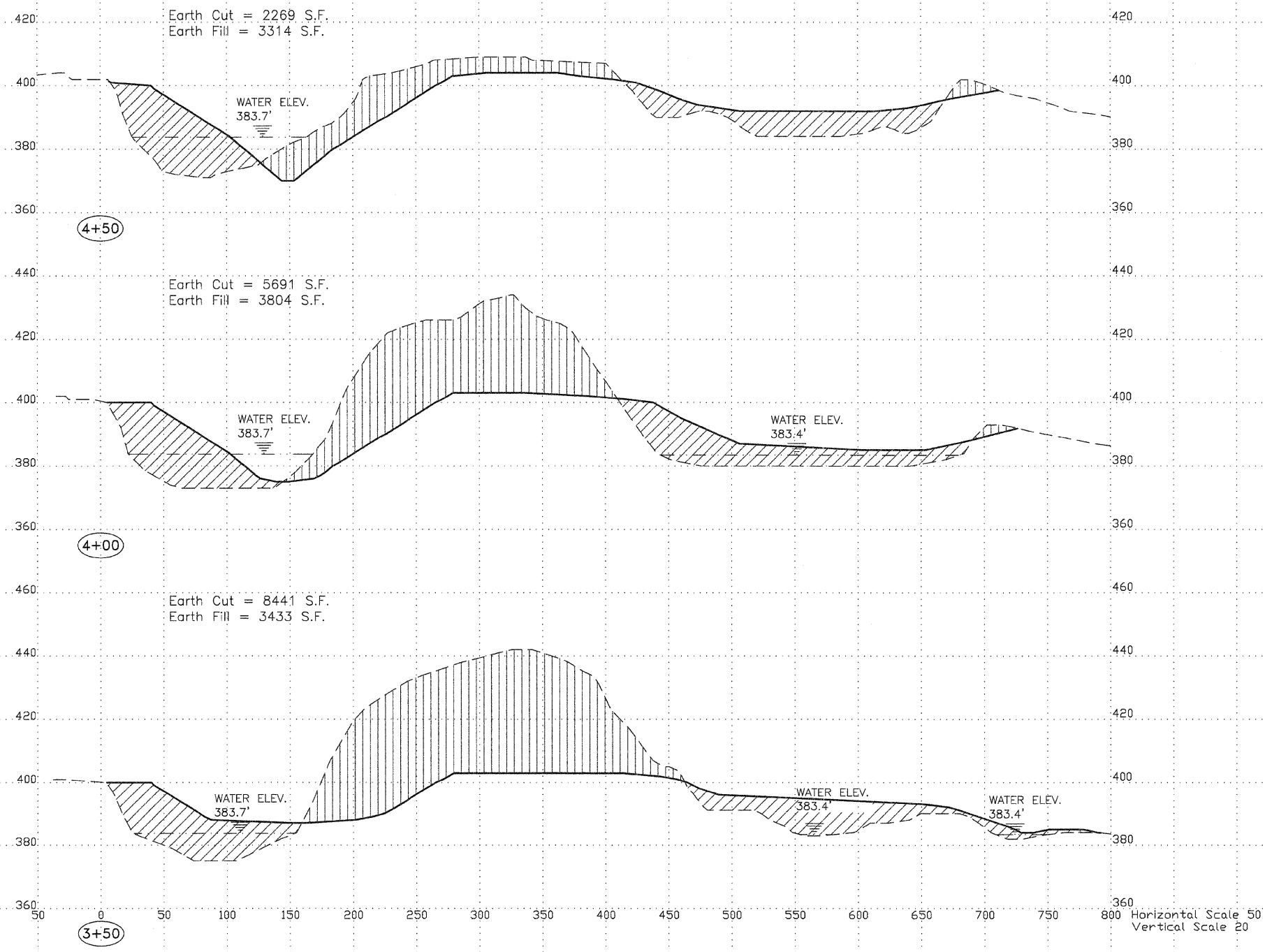
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---	EXISTING GRADE
—	PROPOSED GRADE
▤	EARTH EXCAVATION
▨	EARTH FILL



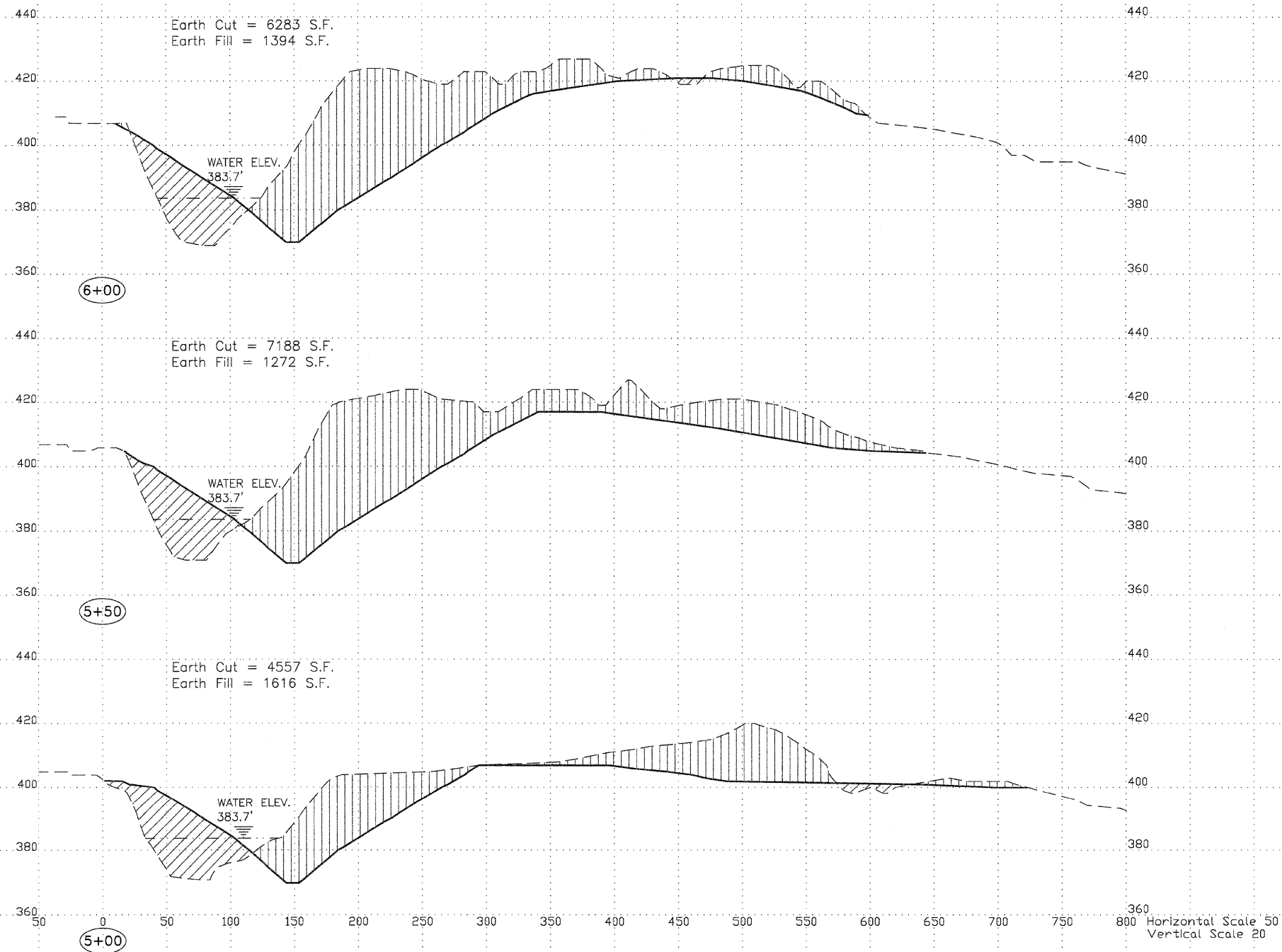
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—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL


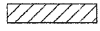


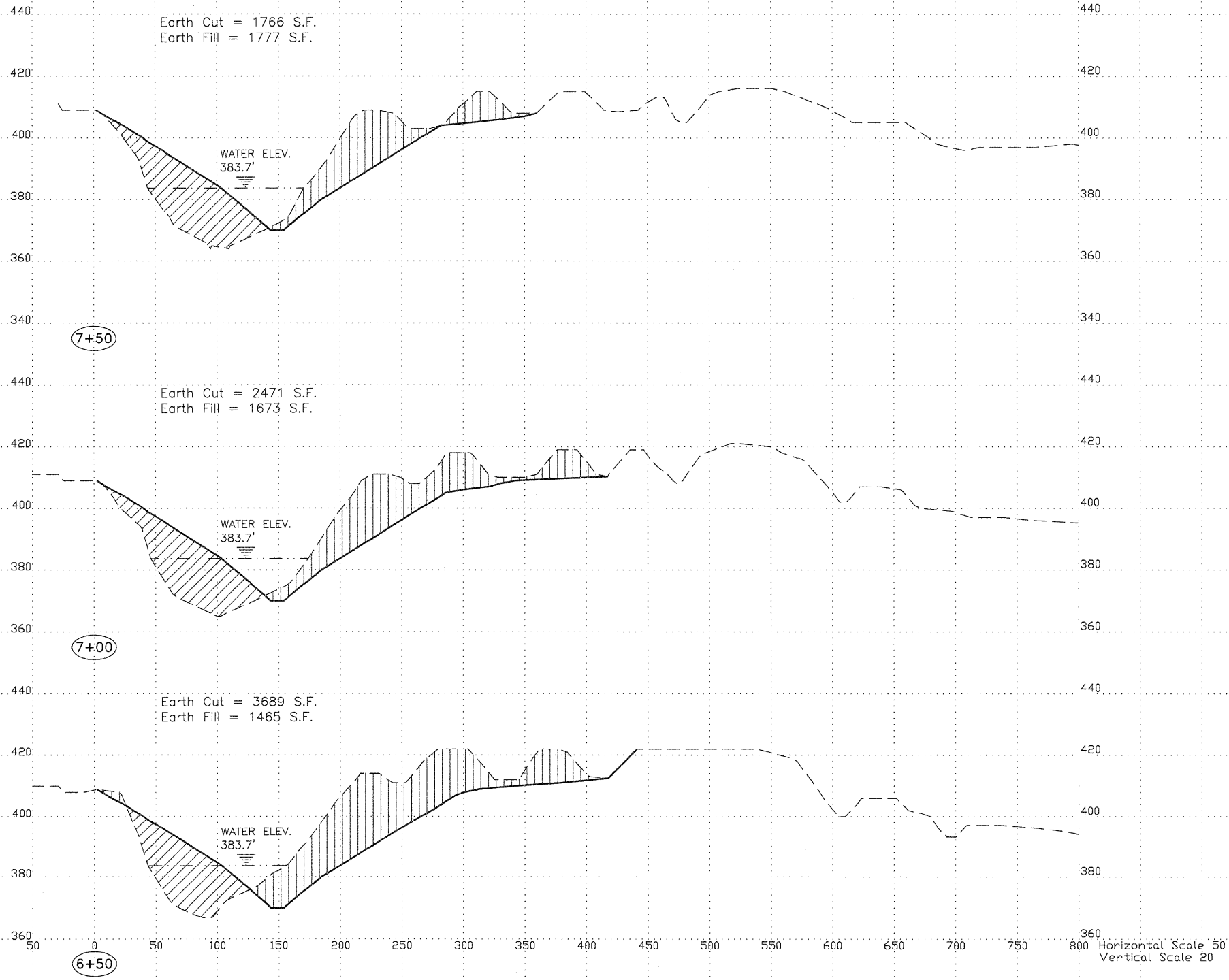
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—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL



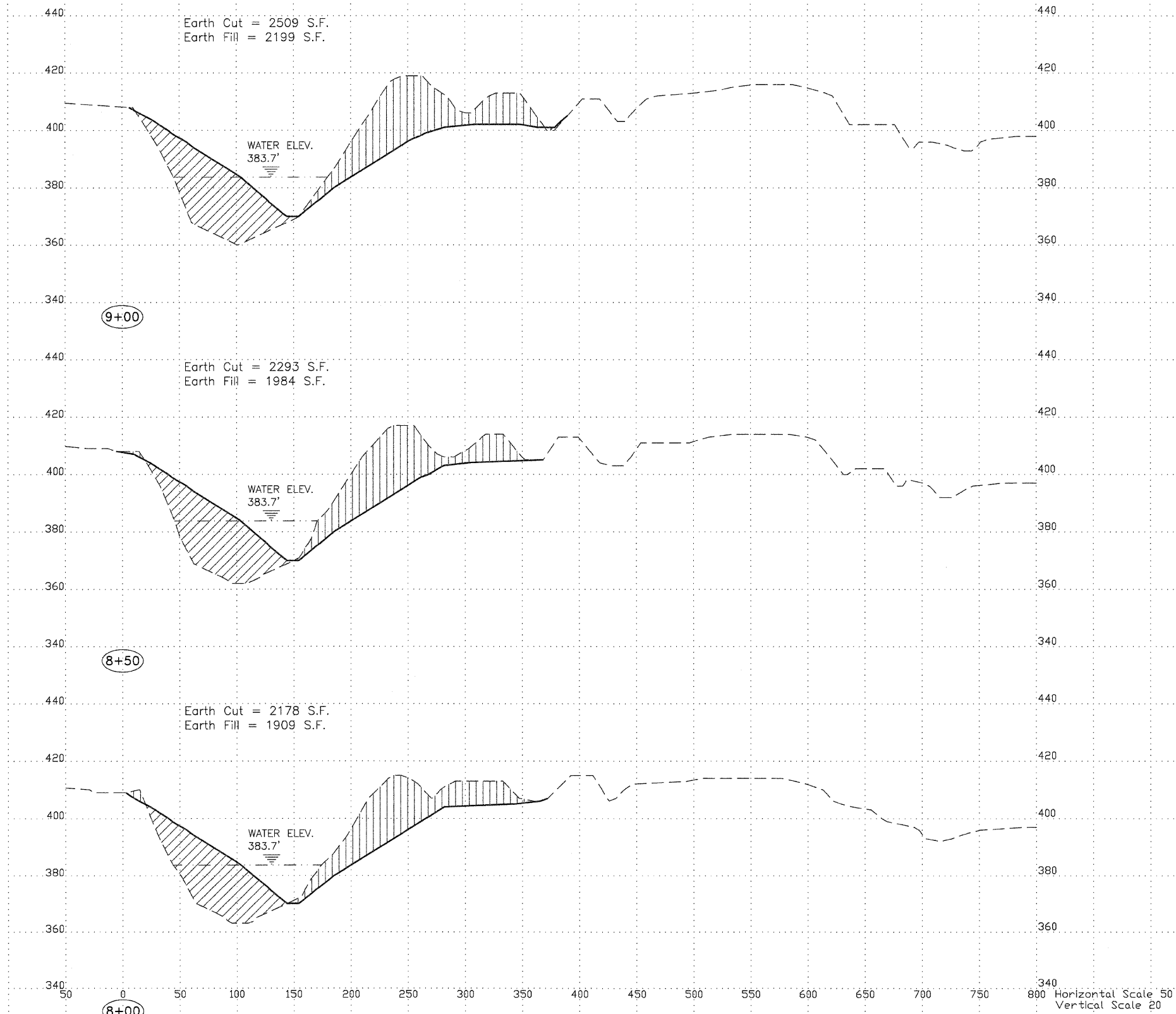
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—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL





LEGEND	
---	EXISTING GRADE
—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL



LEGEND	
---	EXISTING GRADE
—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL



Horizontal Scale 50
 Vertical Scale 20

LEGEND	
---	EXISTING GRADE
—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL

Earth Cut = 1183 S.F.
 Earth Fill = 4122 S.F.

WATER ELEV.
 383.7'

10+50

Earth Cut = 1903 S.F.
 Earth Fill = 3081 S.F.

WATER ELEV.
 383.7'



10+00

Earth Cut = 2435 S.F.
 Earth Fill = 2506 S.F.

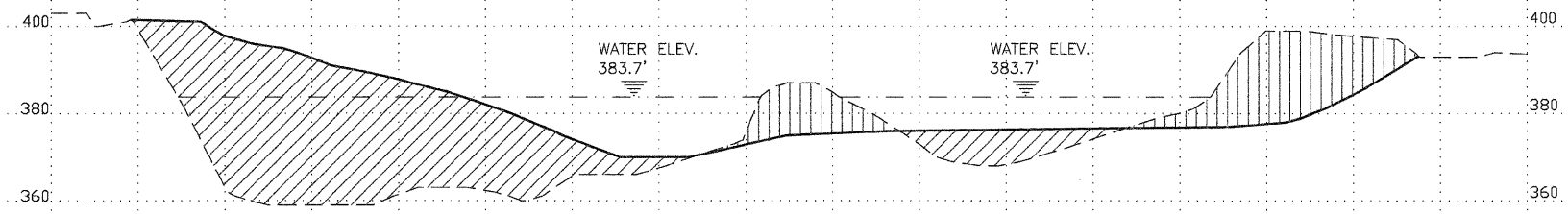
WATER ELEV.
 383.7'

9+50

Horizontal Scale 50
 Vertical Scale 20

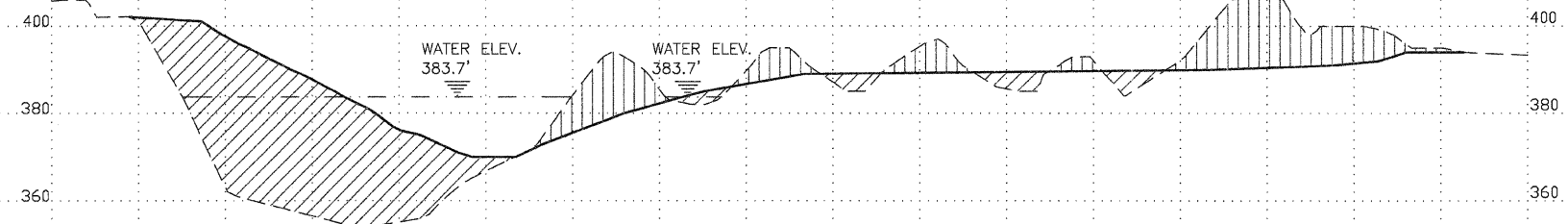
LEGEND	
---	EXISTING GRADE
—	PROPOSED GRADE
	EARTH EXCAVATION
	EARTH FILL

Earth Cut = 2582 S.F.
 Earth Fill = 7142 S.F.



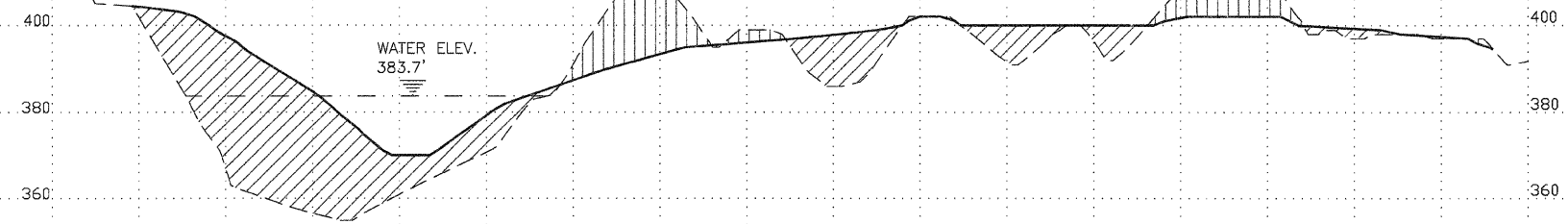
12+00

Earth Cut = 2545 S.F.
 Earth Fill = 4991 S.F.



11+50

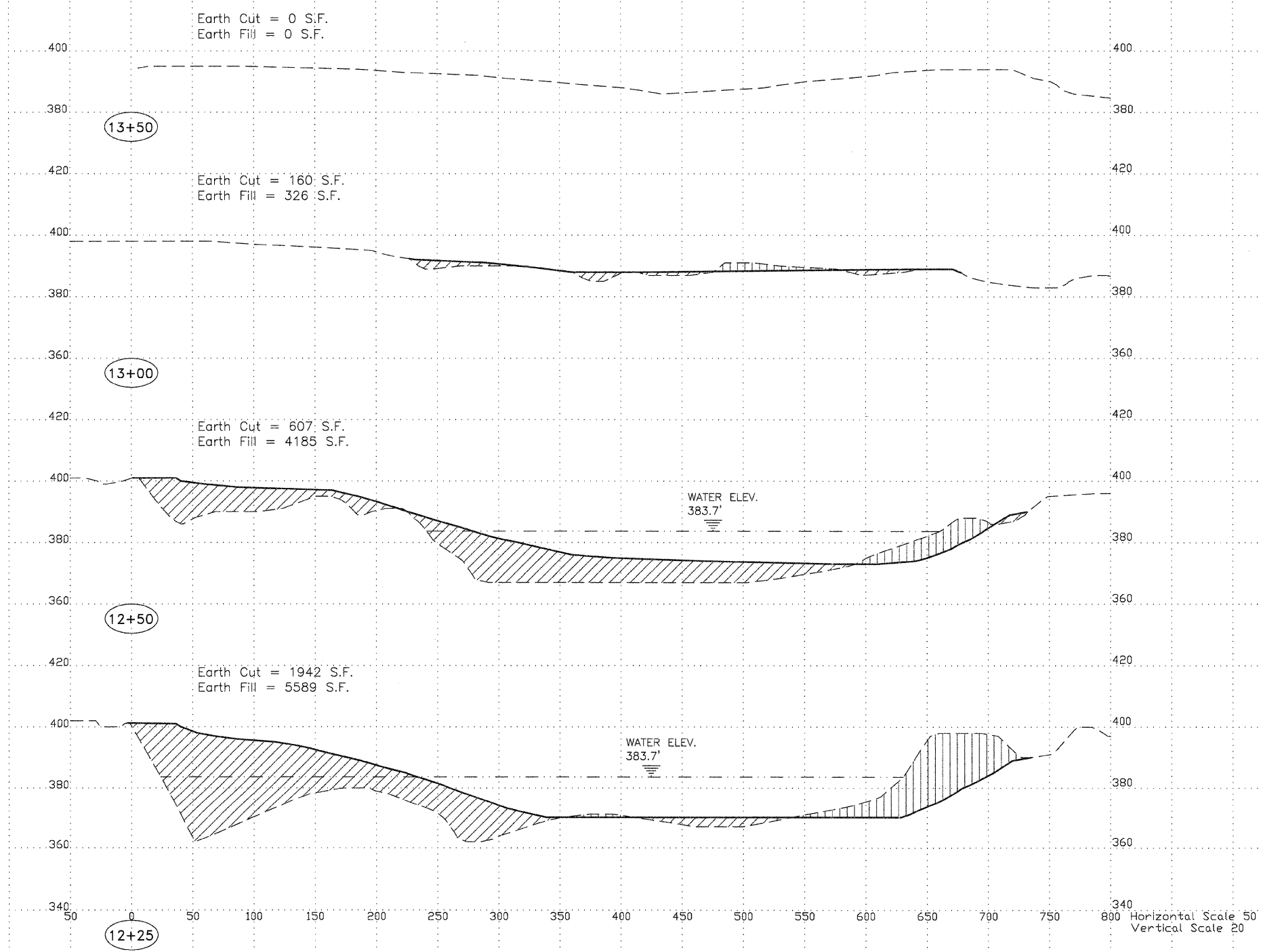
Earth Cut = 1705 S.F.
 Earth Fill = 5008 S.F.



11+00

Horizontal Scale 50
 Vertical Scale 20

LEGEND	
---	EXISTING GRADE
—	PROPOSED GRADE
▨	EARTH EXCAVATION
▩	EARTH FILL



Horizontal Scale 50
 Vertical Scale 20