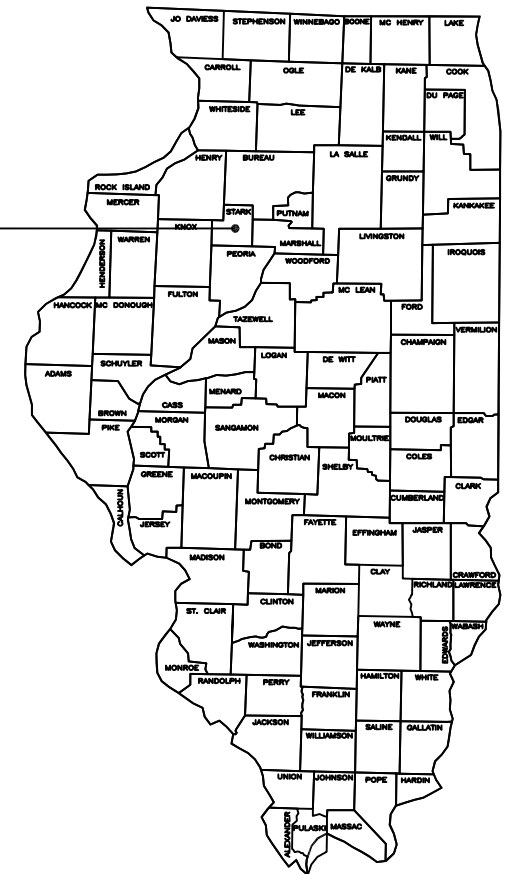


**State of Illinois**  
**Department of Natural Resources**  
**Office of Mines and Minerals**  
**Abandoned Mined Lands Reclamation Division**

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

**Blackhawk Rod and Gun Club**  
**Reclamation Project**  
**AML-GSkE-1602**  
**Stark County**  
**1LR**

**Blackhawk Rod and Gun Club**  
**Stark County**



SCHEDULE OF DRAWINGS:

1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
3. Site Access
4. Existing and Proposed Conditions
- 5-9. Cross-Sections

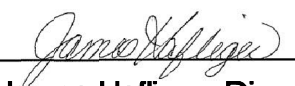
Pre-Bid Meeting:

A pre-bid meeting for this project is scheduled for Friday,  
October 28, 2016 at 10:00 A.M. at the site.

**Certified Copy**

Prepared By IDNR Staff

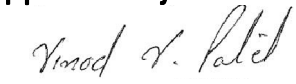
Approved for Bidding:

  
James Haflinger, Director  
Office of Mines and Minerals

Approved By:

  
Greg Pinto, Acting Manager  
AMLR Division

Approved By:

  
Vinodchandra V. Patel  
IL Licensed Professional Engineer  
No. 062.046043



**Contract No. M1602**

Summary of Quantities					
Item No.	#	Item	Section	Quantity	Unit Rates/Remarks
NRM20110	1	Special Clearing	201	1	L SUM
NRM20210	2	Earth Excavation	202	6,595	CU YD Compaction Required per Section 205
NRM25040	3	Nitrogen Fertilizer Nutrient	250	840	POUND 120 pounds/acre
NRM25050	4	Phosphorous Fertilizer Nutrient	250	700	POUND 100 pounds/acre
NRM25060	5	Potassium Fertilizer Nutrient	250	2,450	POUND 350 pounds/acre
NRM25070	6	Agricultural Ground Limestone	250	7.0	TON 2 tons/acre
NRM25090	7	Seeding	250	3.5	ACRE
25100115	8	Mulch Method 2	IDOT 251	2.9	ACRE 2 tons/acre, Procedure 1
25100900	9	Turf Reinforcement Mat	IDOT 251	2,975	SQ YD
NRM25810	10	Mowing	258	3.5	ACRE
NRM28040	11	Perimeter Erosion Barrier	280	1,151	FOOT Silt Filter Fence
28200200	12	Filter Fabric	IDOT 282	1,076	SQ YD
28401000	13	Slope Mattress - 12"	IDOT 284	1,076	SQ YD
40200800	14	Aggregate Surface Course, Type B	IDOT 402	224	TON For Access Road Maintenance
NRM50101	15	Removal of Existing Structures	501	1	L SUM
66500105	16	Woven Wire Fence, 4'	IDOT 665	375	FOOT
66501400	17	Woven Wire Gates (4'x12' Double)	IDOT 665	1	EACH
NRM67110	18	Mobilization (Max. 6% of Bid)	671	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**

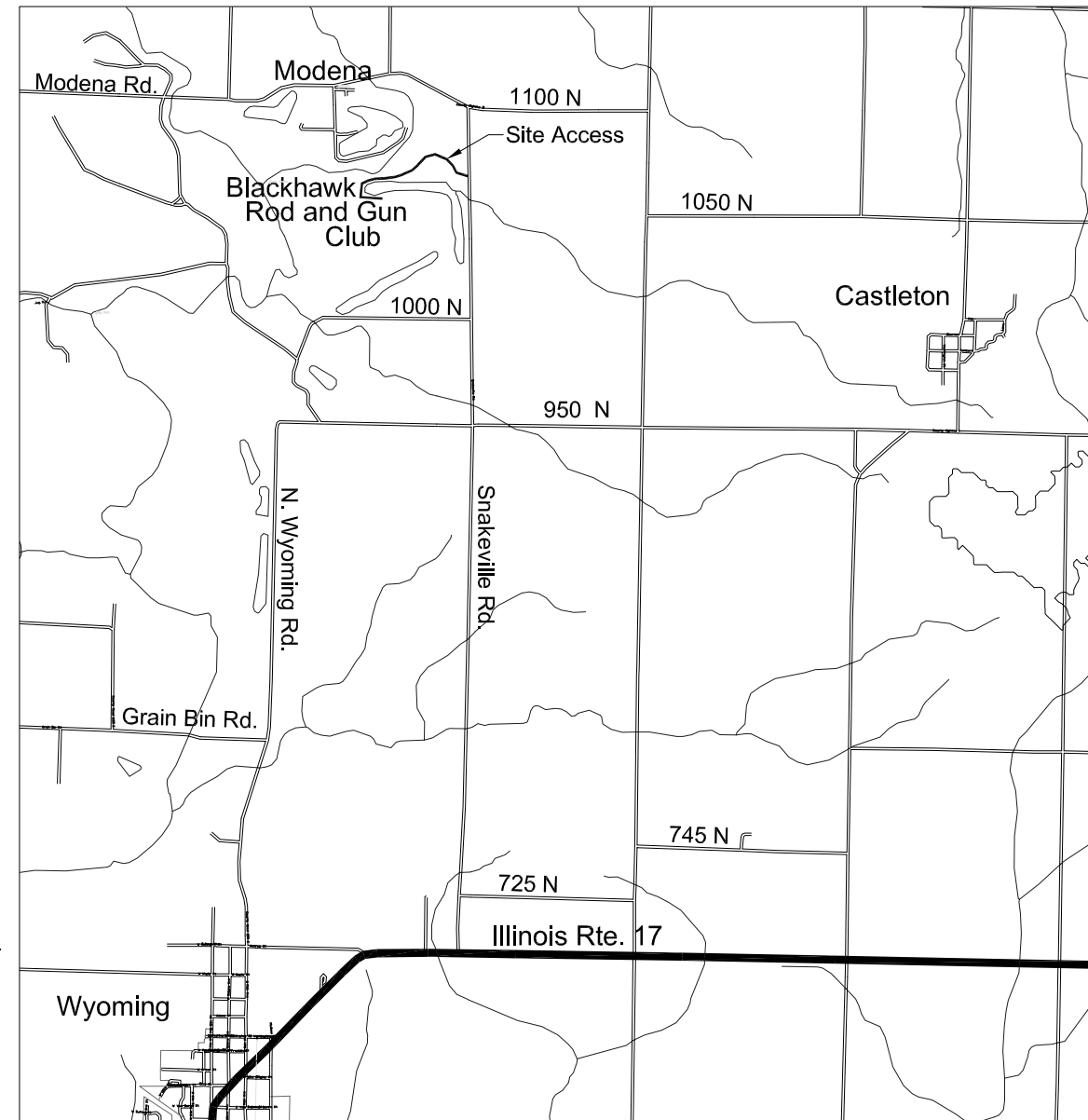
**BURIAL/REMOVAL OF MATERIAL**-Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the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



**Location Map**

**Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing**

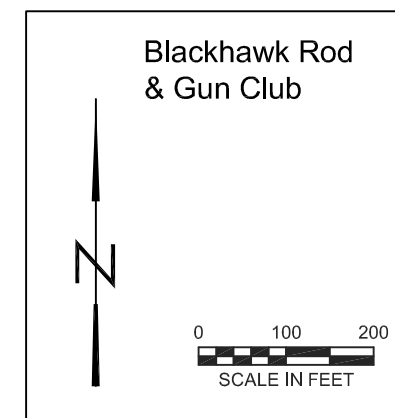
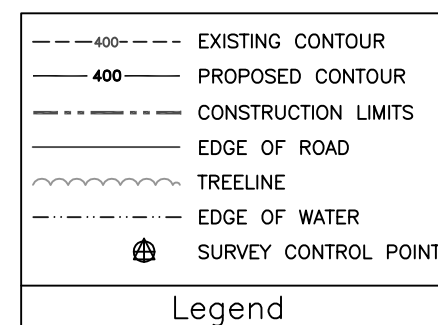
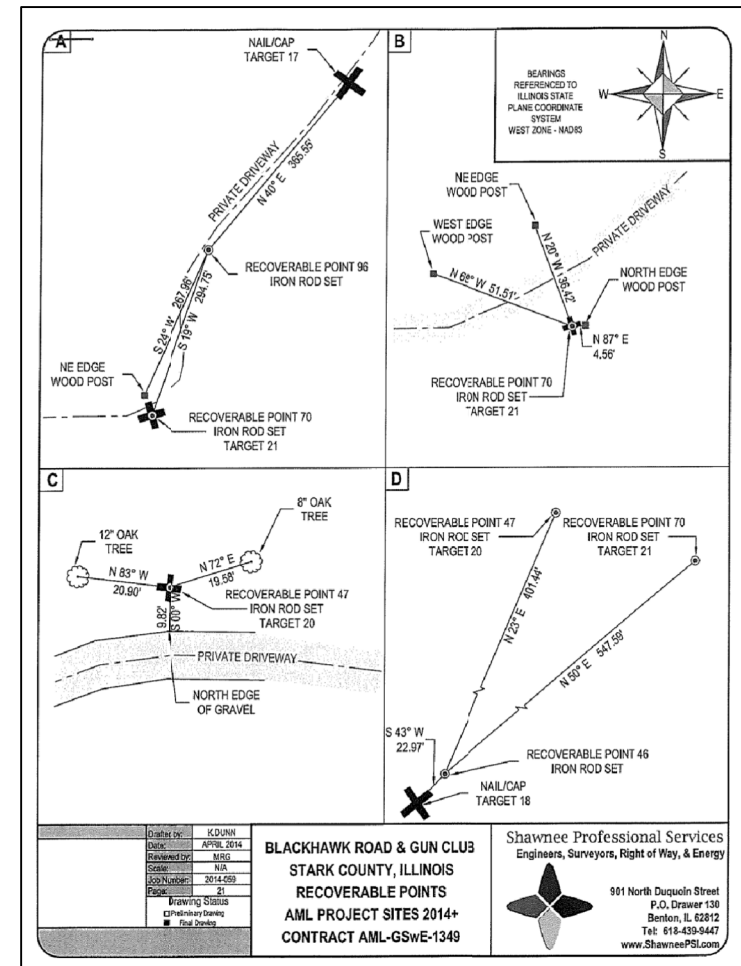
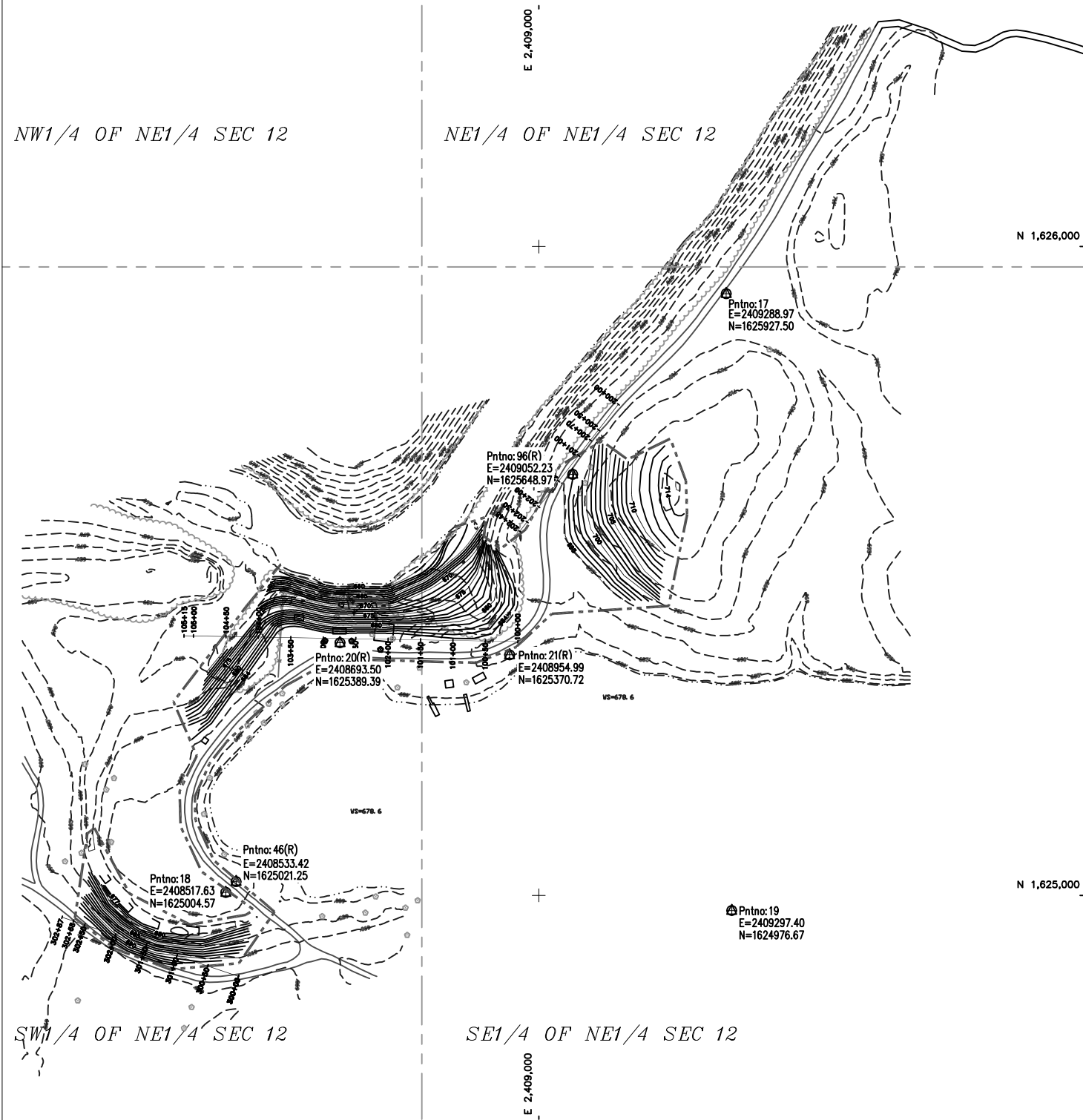
ITEM (unit)	August 1, 2017 – September 1, 2017	April 15 2018 – May 15, 2018	May 1, 2018 – June 1, 2018	TOTAL QUANTITY
SEEDING (acres)	3.5 Acres			3.5 Acres
AGRICULTURAL GROUND LIMESTONE (tons)	7.0 2 Tons/Acre			7.0 Tons
NITROGEN FERTILIZER NUTRIENT (pounds)	420 120 Pounds/Acre		420 120 Pounds/Acre	840 Pounds
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	350 100 Pounds/Acre		350 100 Pounds/Acre	700 Pounds
POTASSIUM FERTILIZER NUTRIENT (pounds)	1,225 350 Pounds/Acre		1,225 350 Pounds/Acre	2,450 Pounds
MULCH, METHOD 2 PROCEDURE 1 (acres)	2.9 Acres 2 Tons/Acre			2.9 Acres
MOWING (acres)		3.5 Acres		3.5 Acres

State of Illinois  
Department of Natural Resources

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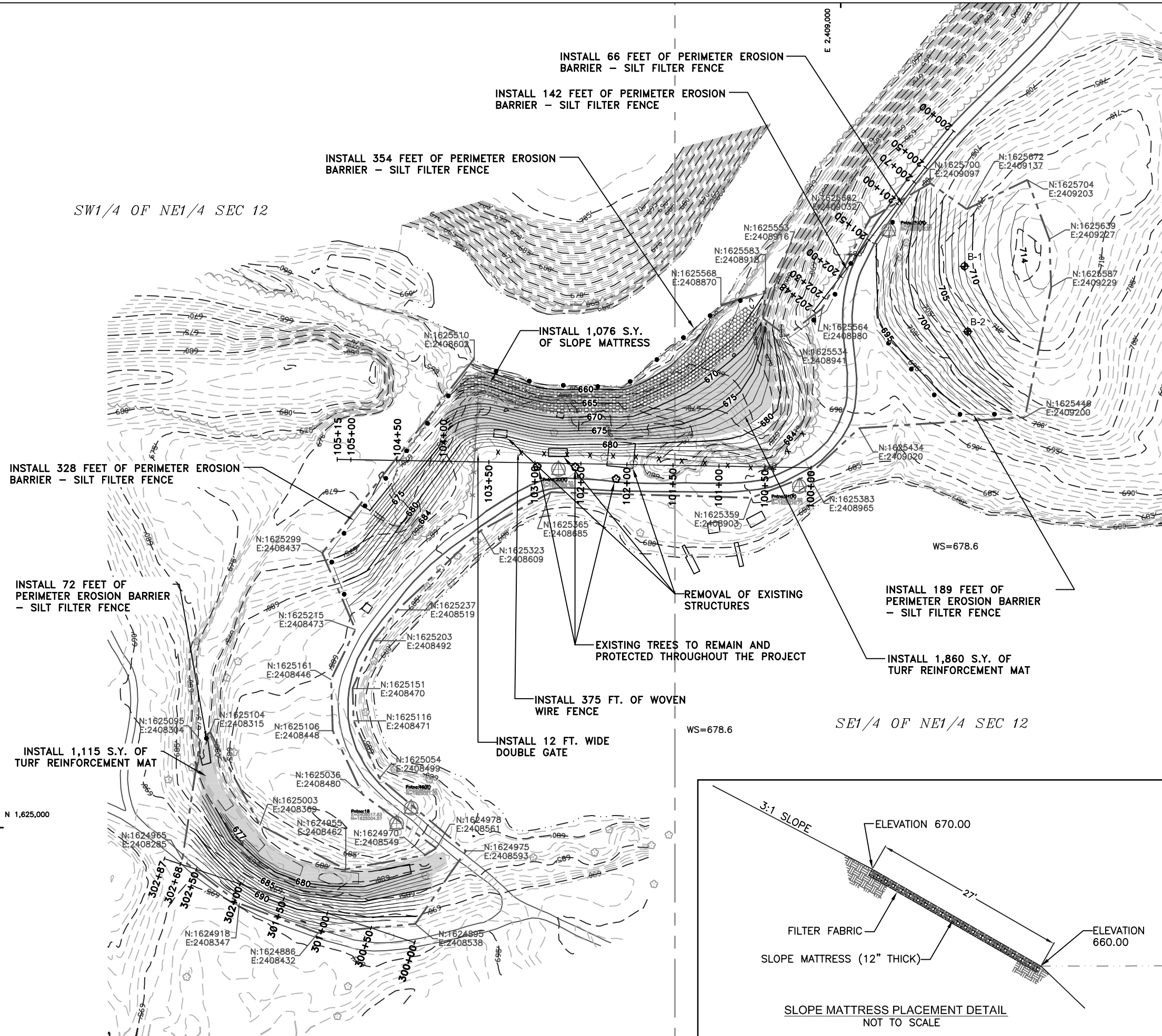
Drawn By: T.M. \_\_\_\_\_ Date: 08/2016  
Checked By: \_\_\_\_\_

Summary of Quantities/  
General Notes/Location Map  
Sheet  
2 of 9



SW1/4 OF NE1/4 SEC 12

SE1/4 OF NE1/4 SEC 12

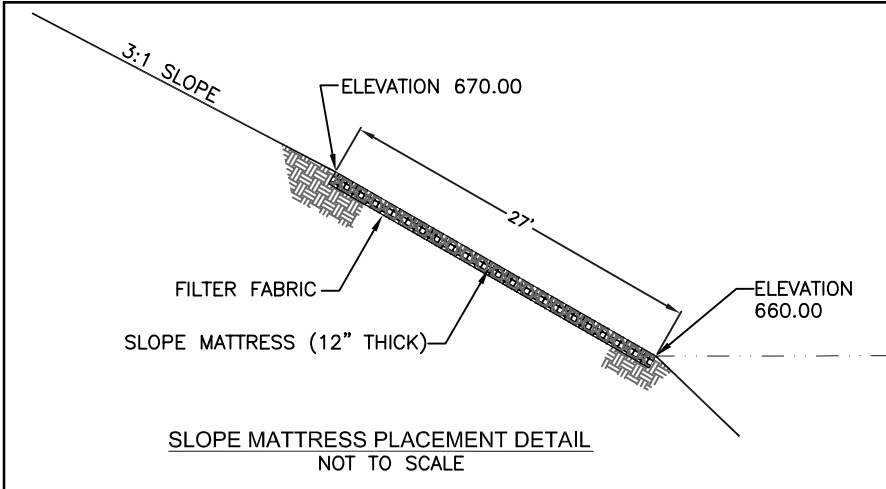


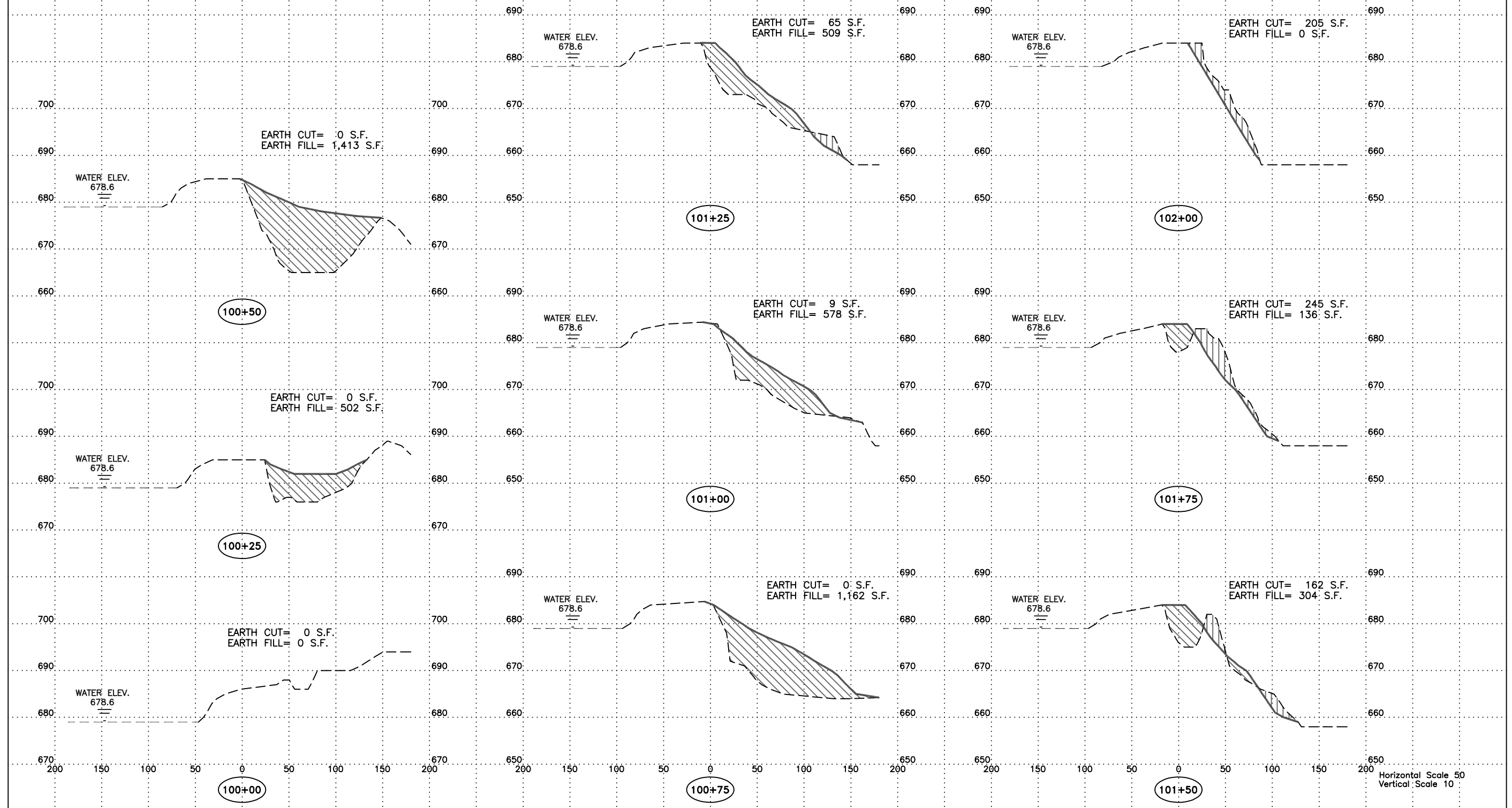
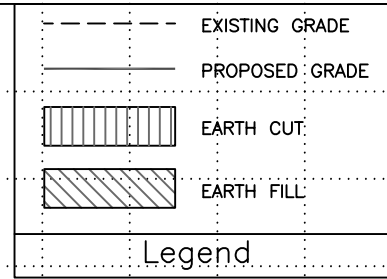
**Legend**

- 400 --- EXISTING CONTOUR
- 400** PROPOSED CONTOUR
- - - - - CONSTRUCTION LIMITS
- EDGE OF ROAD
- ~~~~~ TREELINE
- - - - - EDGE OF WATER
- ⊕ SURVEY CONTROL POINT
- ⊕ B-1 BORING

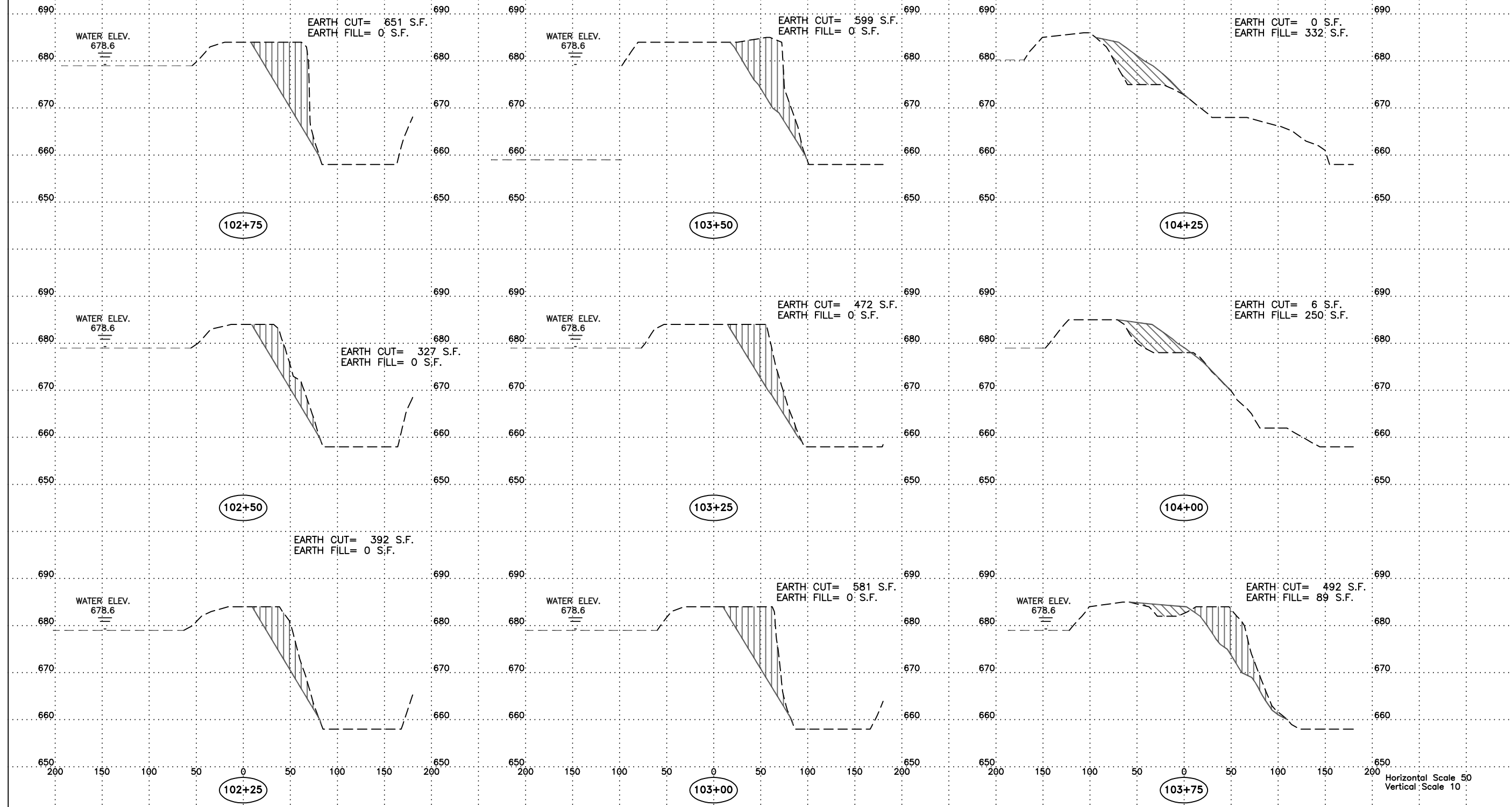
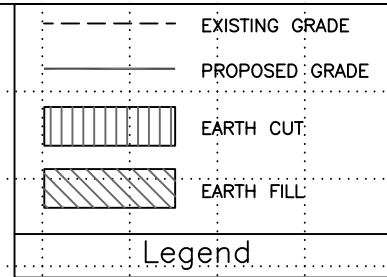
**Blackhawk Rod and Gun Club**

SCALE IN FEET

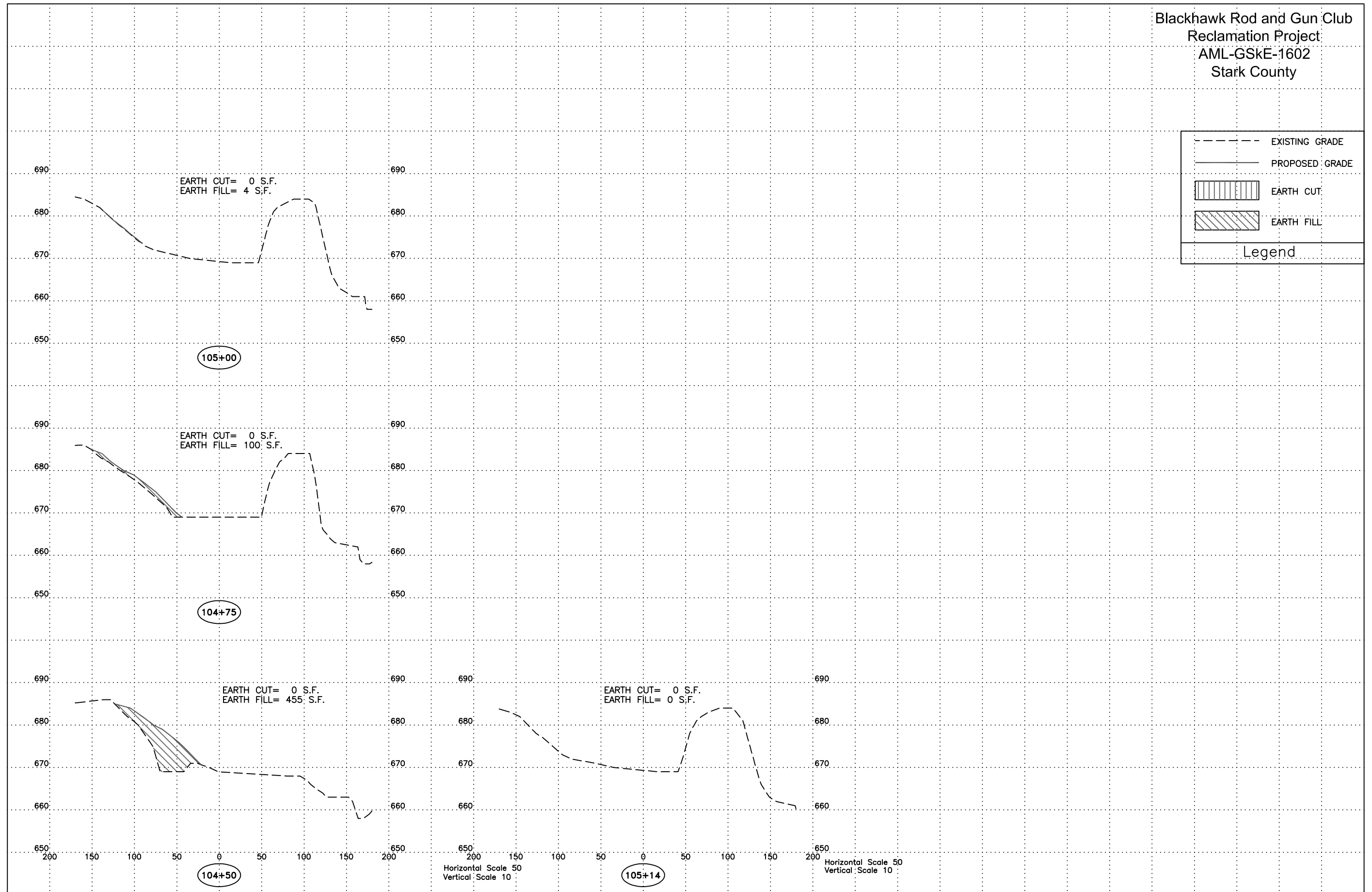
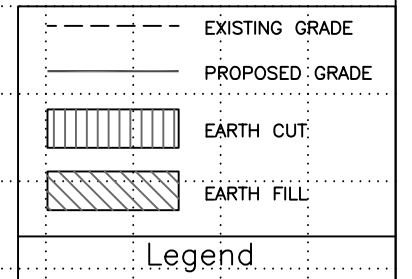




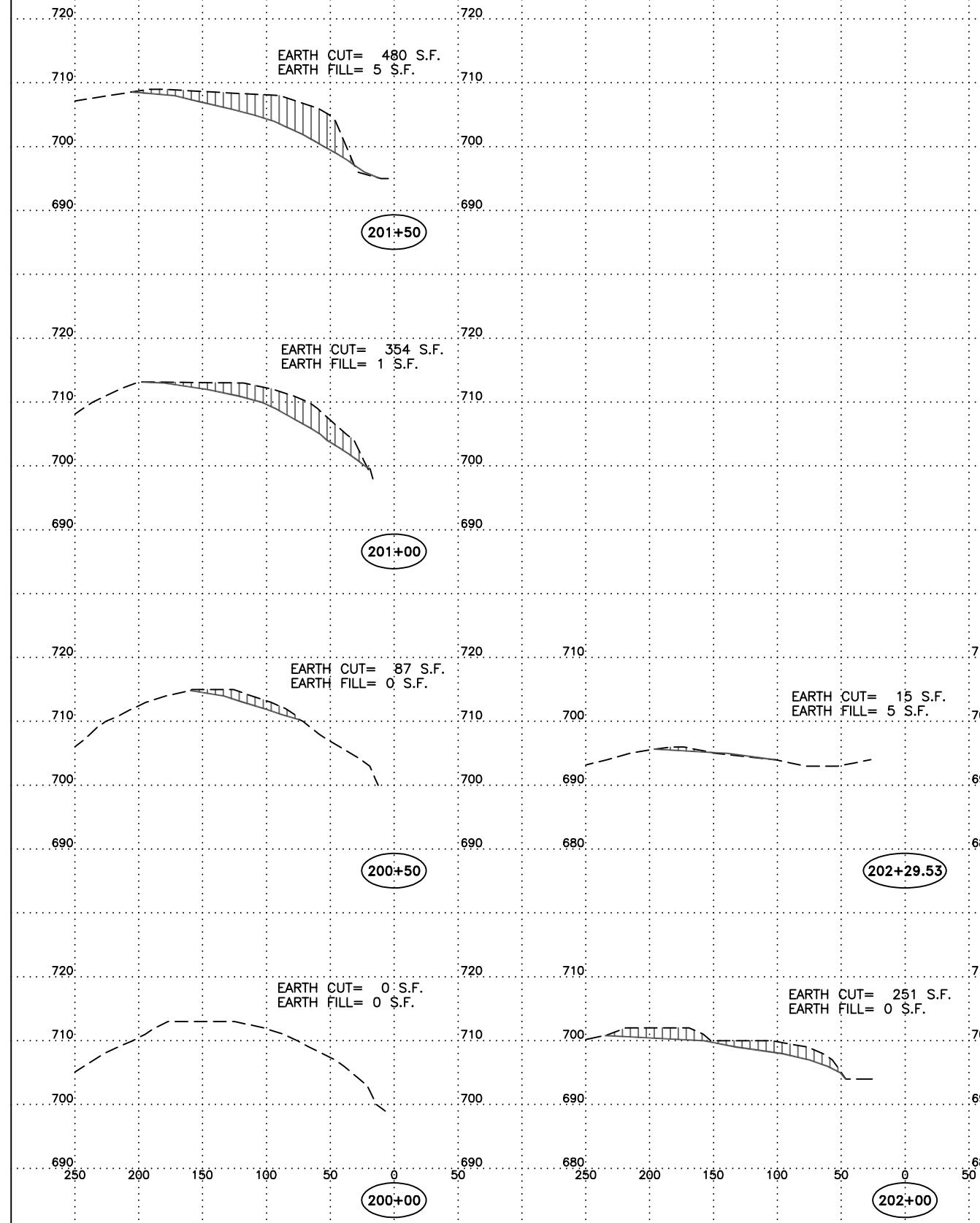
Horizontal Scale 50  
 Vertical Scale 10



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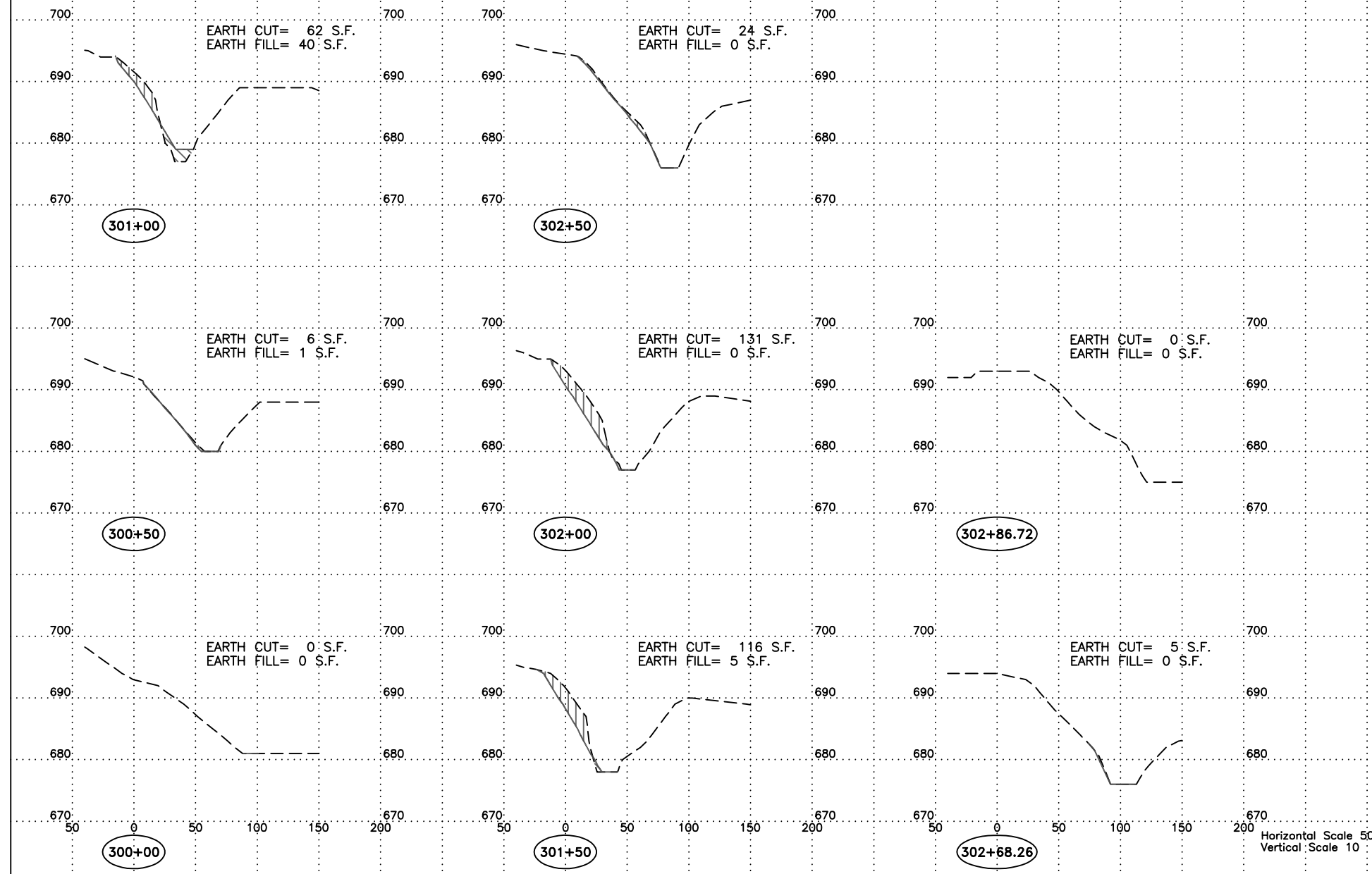
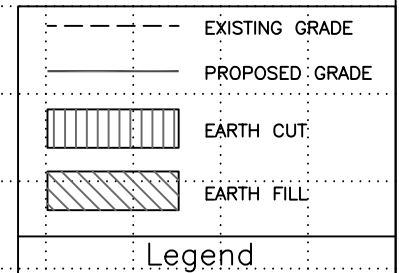
Legend

- EXISTING GRADE
- PROPOSED GRADE
- EARTH CUT
- EARTH FILL

Horizontal Scale 50  
 Vertical Scale 10



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Horizontal Scale 50  
 Vertical Scale 10