

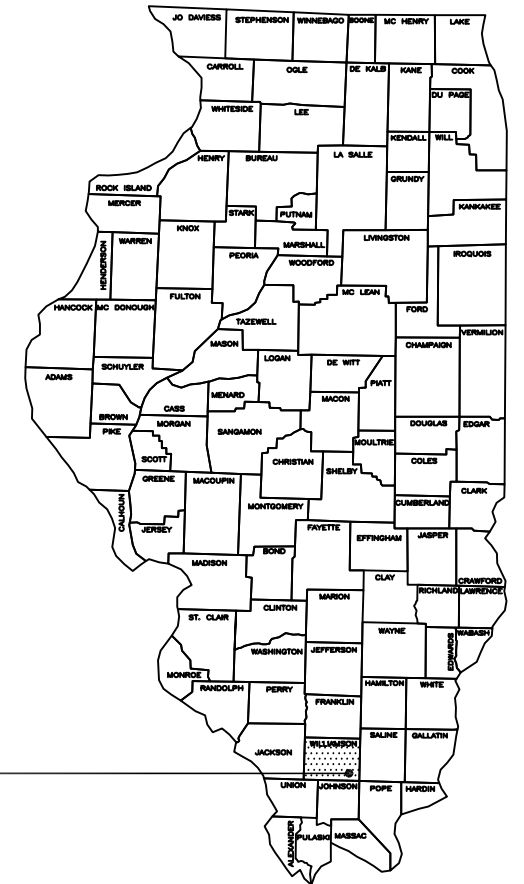
**State of Illinois**  
**Department of Natural Resources**  
**Office of Mines and Minerals**  
**Division of Abandoned Mined Lands**

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

**Will Scarlet Pit 4 CKD**  
**Reclamation Project**  
**AML-GWmE-1308**  
**Williamson County**  
**3LR**

*Certified Copy*

**Will Scarlet Pit 4 CKD**  
**Williamson County**



PRE-BID MEETING


A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT AT 1:00 PM ON JANUARY 9 2014. ALL INTERESTED POTENTIAL BIDDERS ARE TO MEET AT THE ENTRANCE OF THE PROJECT SITE NEAR THE INTERSECTION OF DYKERSBURG ROAD AND PEABODY ROAD.


SCHEDULE OF DRAWINGS:

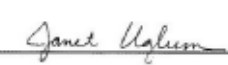
1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
- 3-4. Existing Conditions
- 5-6. Proposed Conditions
- 7-9. Cross Sections
10. Details


Prepared By IDNR Staff

CONTRACT NO. M1308

Approved for Bidding:  
  
 Michael L. Woods, Director  
 Office of Mines and Minerals

Approved By:  
  
 Greg Pinto, Acting Manager  
 AML Division

Approved By:  
  
 Janet L. Uglum, P.E.  
 IL Licensed Professional Engineer  
 No. 062-054108



Summary of Quantities						
Item No.	#	Item	Section	Quantity	Unit	Rates/Remarks
NRM20110	1	Special Clearing	201	1	L SUM	
NRM20210	2	Earth Excavation	202	58,270	CU YD	Compaction per Section 205
NRM25040	3	Nitrogen Fertilizer Nutrient	250	5,900	POUND	100 Pounds/Acre x 2
NRM25050	4	Phosphorous Fertilizer Nutrient	250	4,425	POUND	150 Pounds/Acre
NRM25060	5	Potassium Fertilizer Nutrient	250	7,375	POUND	250 Pounds/Acre
NRM25070	6	Agricultural Ground Limestone	250	590.0	TON	20.0 Tons/Acre
NRM25090	7	Seeding	250	29.5	ACRE	
25100115	8	Mulch, Method 2, Procedure 1	IDOT 251	29.5	ACRE	2.0 Tons/Acre
NRM25810	9	Mowing	258	29.5	ACRE	
NRM25910	10	Cement Kiln Dust Placement	259	39,126	CU YD	
NRM28031	11	Temporary Ditch Check	280	50	FOOT	Rolled Excelsior
NRM28040	12	Perimeter Erosion Barrier	280	1,344	FOOT	
NRM28610	13	Special Excelsior Blanket	286	7,413	SQ YD	
40200800	14	Aggregate Surface Course, Type B	IDOT 402	288.0	TON	CA-6
NRM61410	15	Dewatering Impoundments	614	1	L SUM	
NRM67110	16	Mobilization (maximum 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.

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 FOOT below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Section 201 of the Special Provisions.

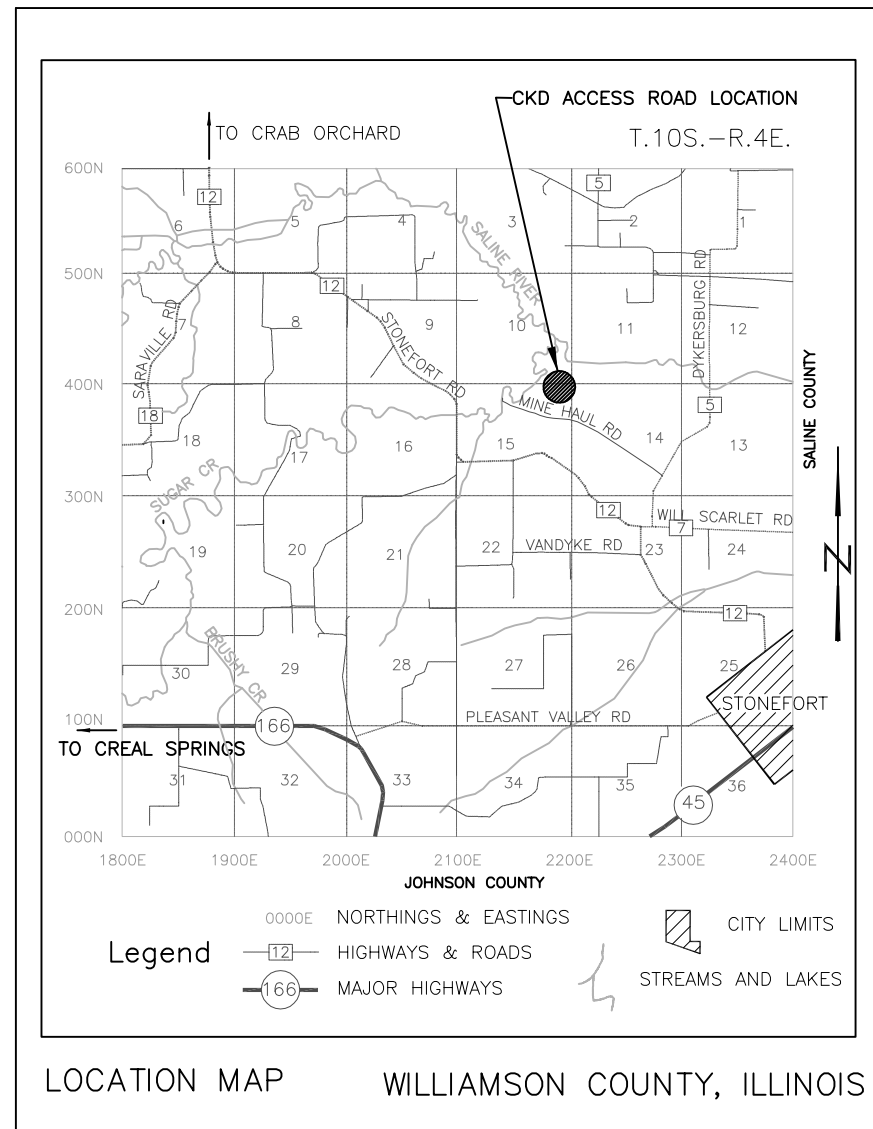
**TREE REMOVAL**-Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

**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.

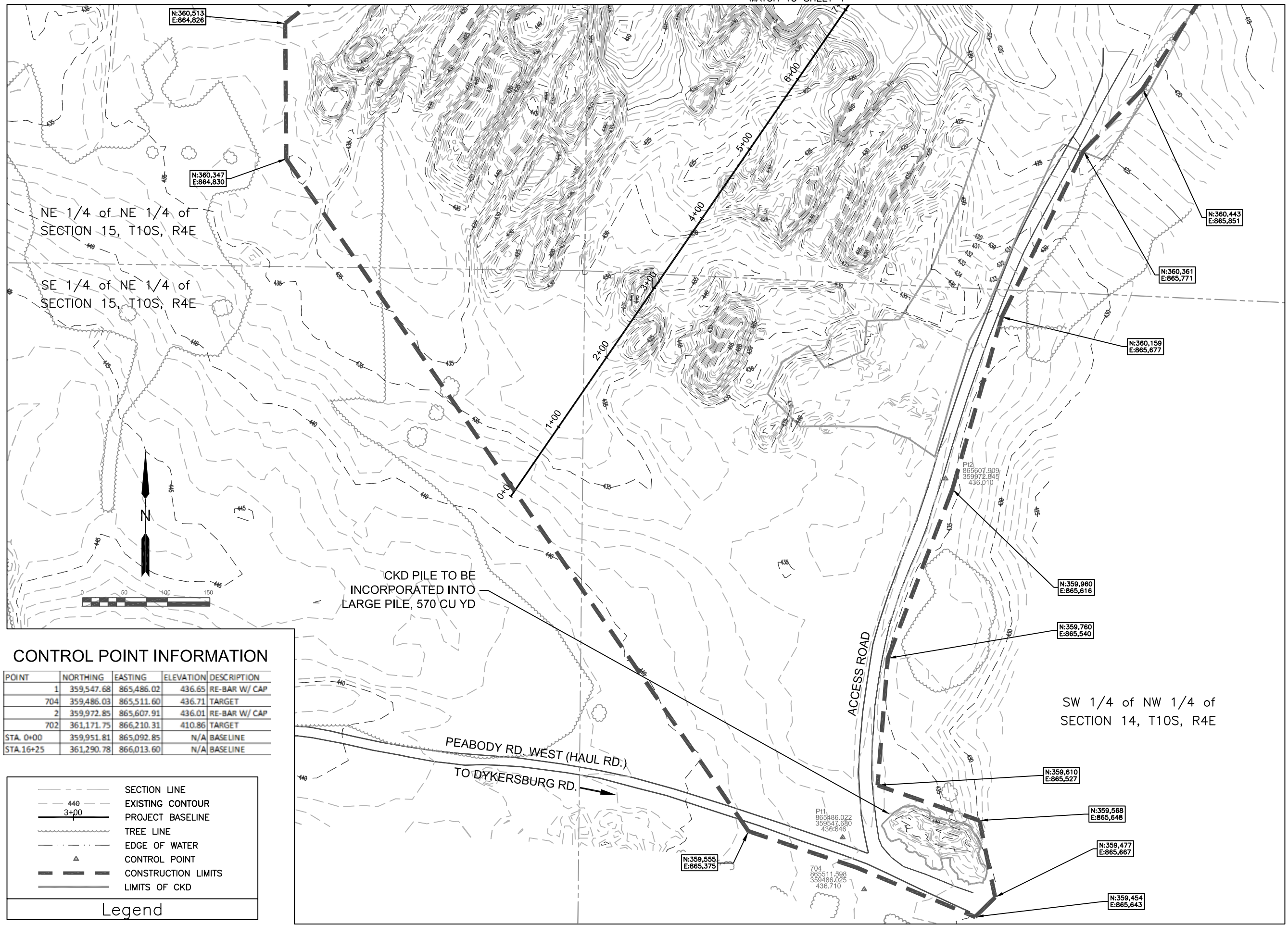
**BOULDERS AND ROCK** are prevalent in the mine spoil and are part of the Earth Excavation item. An additional volume of earth excavation has been calculated in the Earth Excavation item quantity to account for compaction and the excavation of rocks that are too large for incorporation into the earth fill to be placed over the CKD. Earth Fill: 48,378 CU YD; Earth Cut: 58,270 CU YD.



LOCATION MAP WILLIAMSON COUNTY, ILLINOIS

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing				
ITEM (unit)	INITIAL APPLICATION FALL 2014 AUG. 20-SEPT. 30	SECOND APPLICATION SPRING 2015 JAN. 1- MARCH 15	MOWING TO BE COMPLETED BY JUNE 30, 2015 OR AS DIRECTED BY ENGINEER	TOTAL QUANTITY
SEEDING (acres)	29.5 Acres			29.5 Acres
AGRICULTURAL GROUND LIMESTONE (tons)	590.0 Tons			590.0 Tons
NITROGEN FERTILIZER NUTRIENT (pounds)	2,950 Lbs.	2,950 Lbs.		5900 Lbs.
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	4,425 Lbs.			4,425 Lbs.
POTASSIUM FERTILIZER NUTRIENT (pounds)	7,375 Lbs.			7,375 Lbs.
MULCH, METHOD 2 PROCEDURE 1 (acres)	29.5 Acres			29.5 Acres
MOWING (acres)			29.5 Acres	29.5 Acres

MATCH TO SHEET 4



NE 1/4 of NE 1/4 of SECTION 15, T10S, R4E  
 SE 1/4 of NE 1/4 of SECTION 15, T10S, R4E

CKD PILE TO BE INCORPORATED INTO LARGE PILE, 570 CU YD

SW 1/4 of NW 1/4 of SECTION 14, T10S, R4E

**CONTROL POINT INFORMATION**

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	359,547.68	865,486.02	436.65	RE-BAR W/ CAP
704	359,486.03	865,511.60	436.71	TARGET
2	359,972.85	865,607.91	436.01	RE-BAR W/ CAP
702	361,171.75	866,210.31	410.86	TARGET
STA. 0+00	359,951.81	865,092.85	N/A	BASELINE
STA. 16+25	361,290.78	866,013.60	N/A	BASELINE

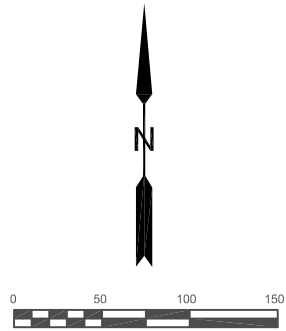
Legend	
	SECTION LINE
	EXISTING CONTOUR
	PROJECT BASELINE
	TREE LINE
	EDGE OF WATER
	CONTROL POINT
	CONSTRUCTION LIMITS
	LIMITS OF CKD

State of Illinois  
 Department of Natural Resources

Will Scarlet Pit 4 CKD  
 Reclamation Project  
 AML-GWmE-1308  
 Williamson County

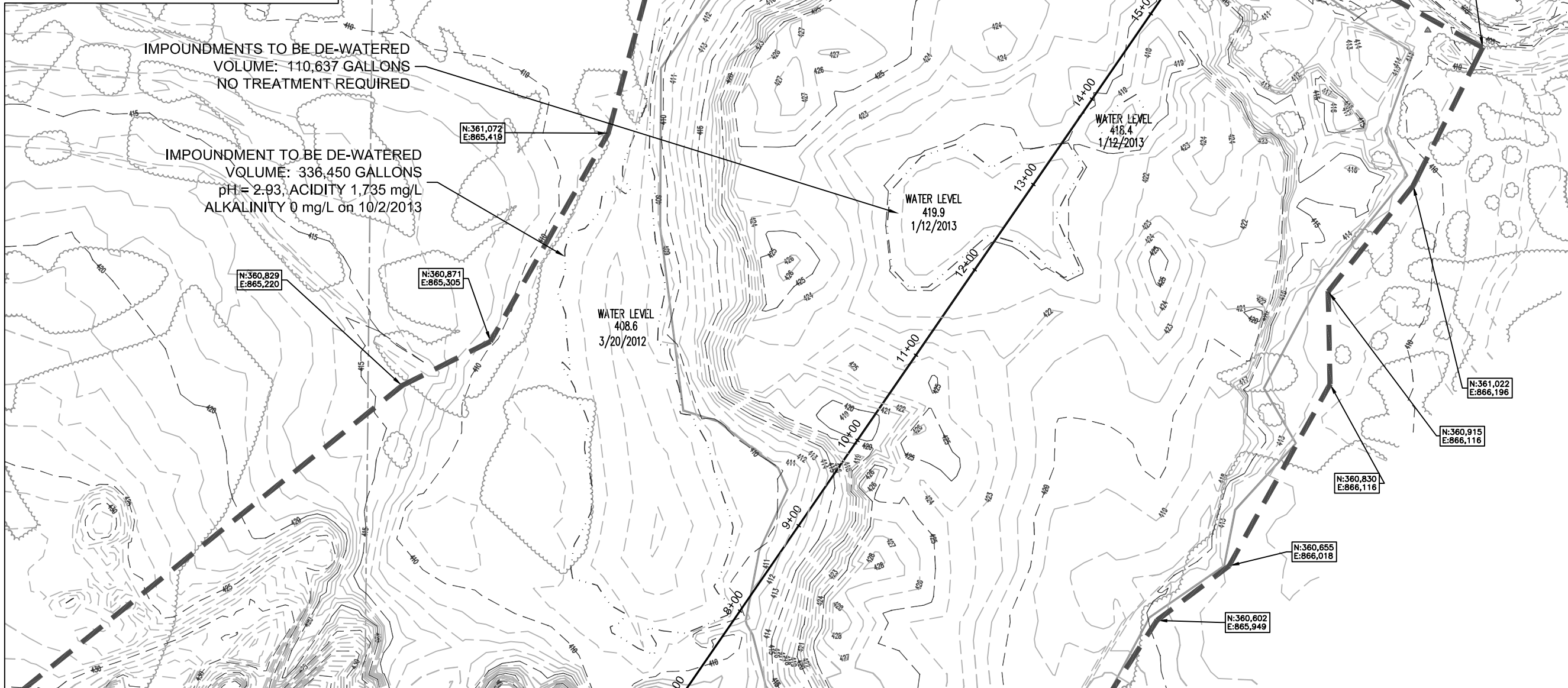
Drawn By: \_\_\_\_\_ M.T. Date: 12/5/2013  
 Checked By: \_\_\_\_\_

Existing Conditions and  
 Control Point Information  
 Sheet 3 of 10

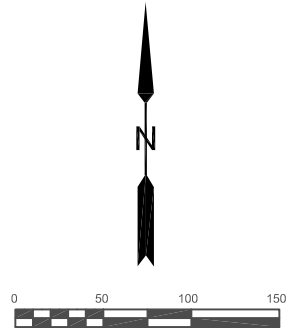


	SECTION LINE
	EXISTING CONTOUR
	PROJECT BASELINE
	TREE LINE
	EDGE OF WATER
	CONTROL POINT
	CONSTRUCTION LIMITS
	LIMITS OF CKD

Legend

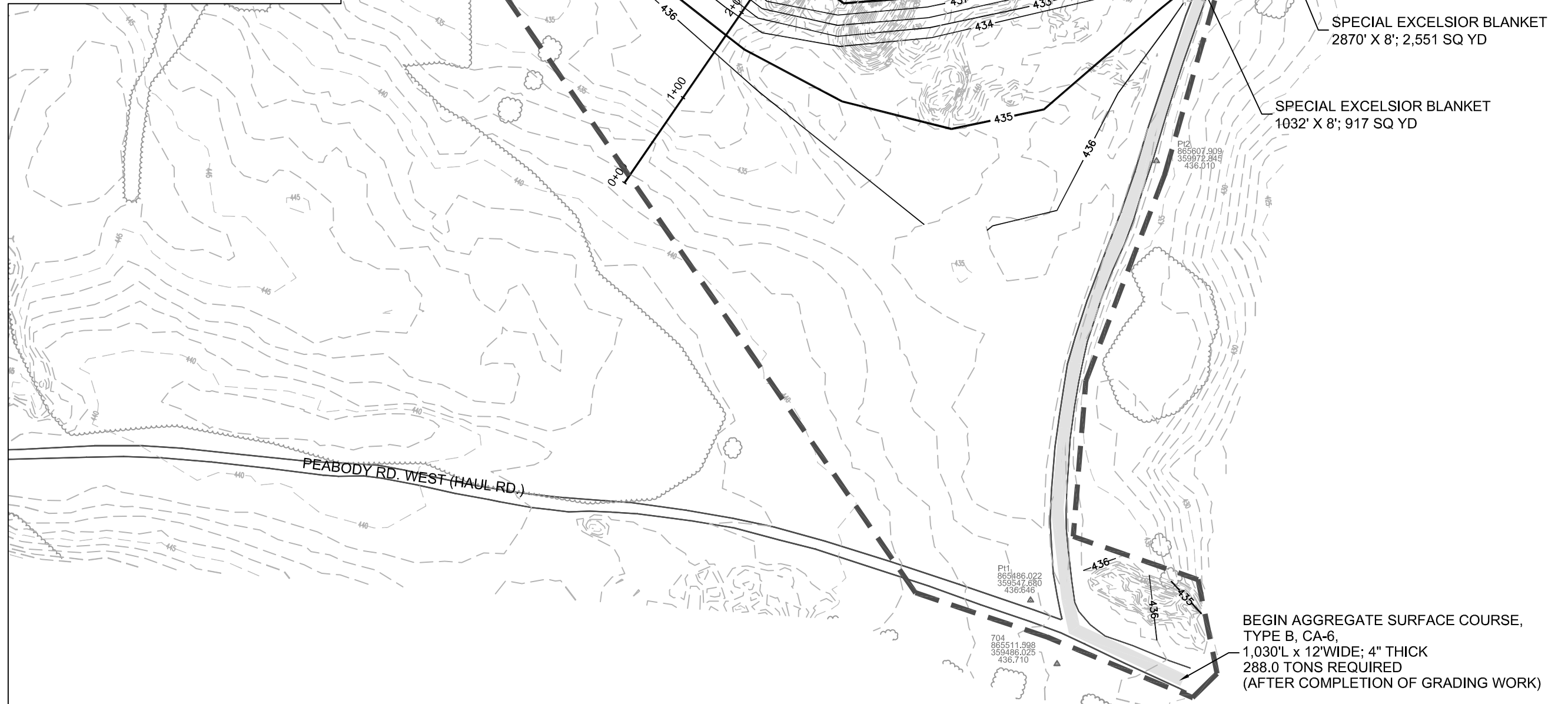


MATCH TO SHEET 3



	EXISTING CONTOUR
	PROJECT BASELINE
	TREE LINE
	EDGE OF WATER
	CONTROL POINT
	CONSTRUCTION LIMITS
	SPECIAL EXCELSIOR BLANKET
	PROPOSED CONTOUR
	PERIMETER EROSION BARRIER

Legend

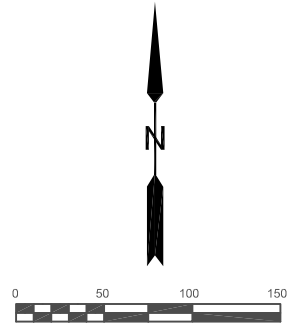


END AGGREGATE SURFACE COURSE, TYPE B, CA-6  
1,030'L x 12'WIDE;  
4" THICK  
288.0 TONS REQUIRED  
(AFTER COMPLETION OF GRADING WORK)

SPECIAL EXCELSIOR BLANKET  
2870' X 8'; 2,551 SQ YD

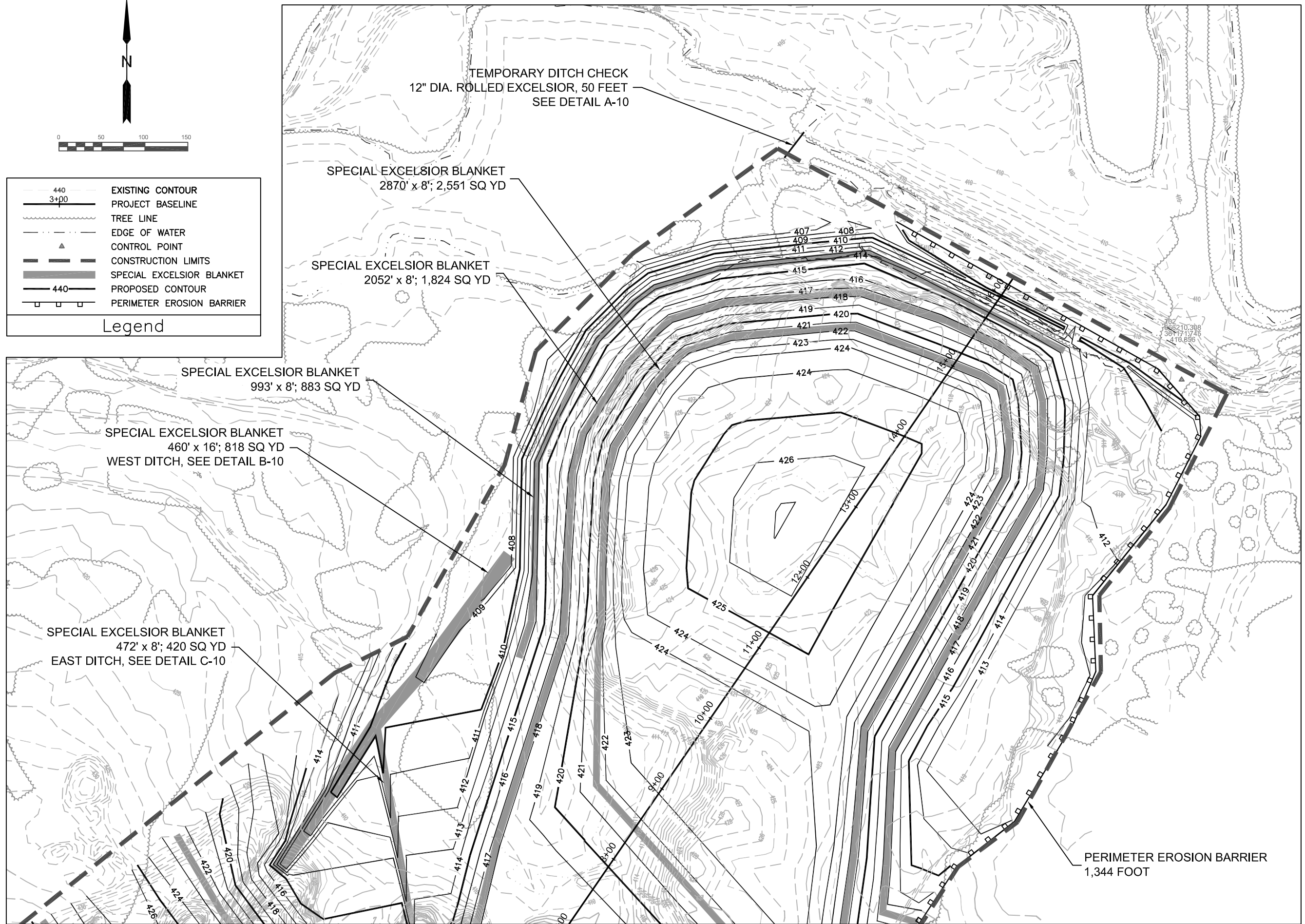
SPECIAL EXCELSIOR BLANKET  
1032' X 8'; 917 SQ YD

BEGIN AGGREGATE SURFACE COURSE,  
TYPE B, CA-6,  
1,030'L x 12'WIDE; 4" THICK  
288.0 TONS REQUIRED  
(AFTER COMPLETION OF GRADING WORK)



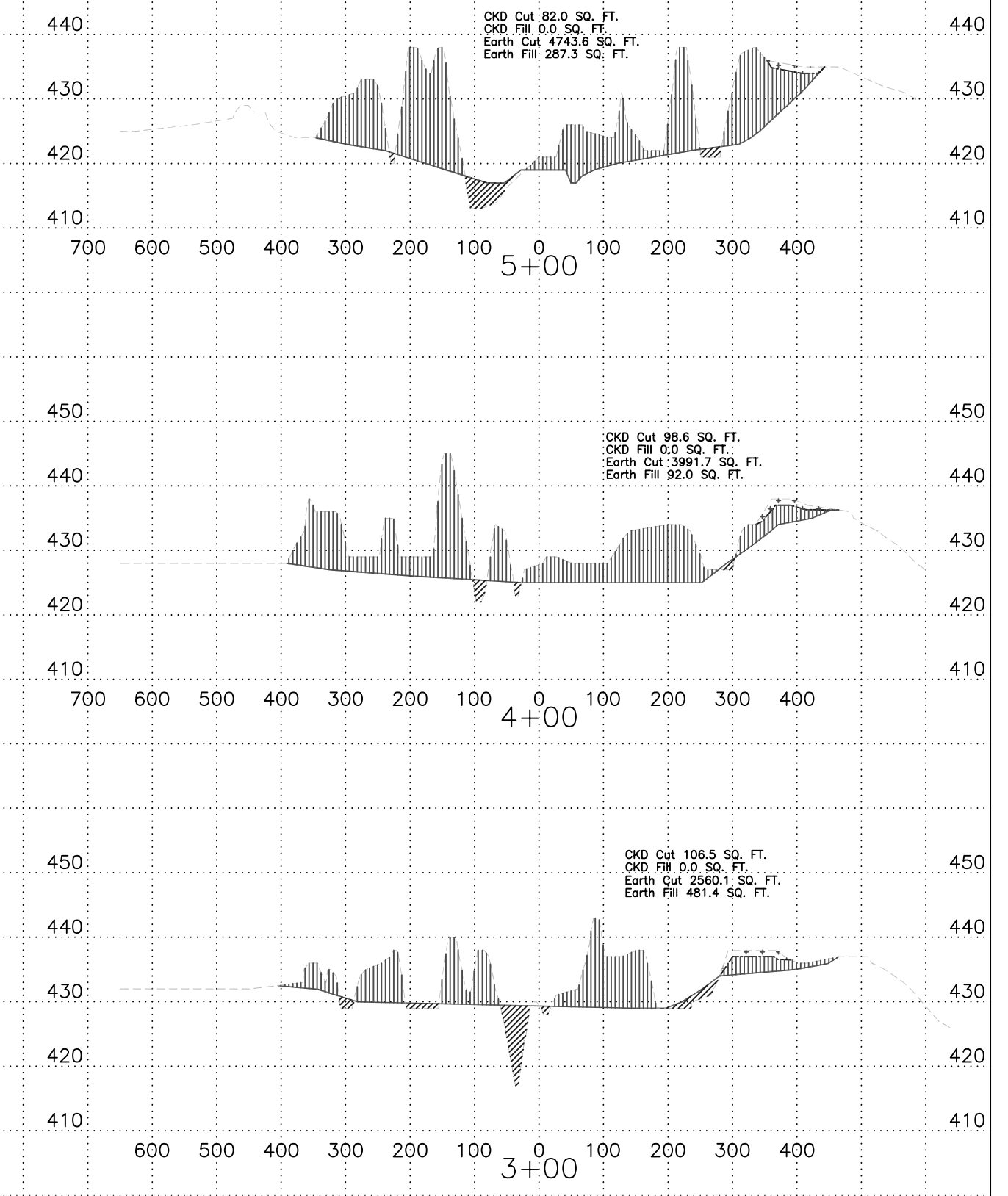
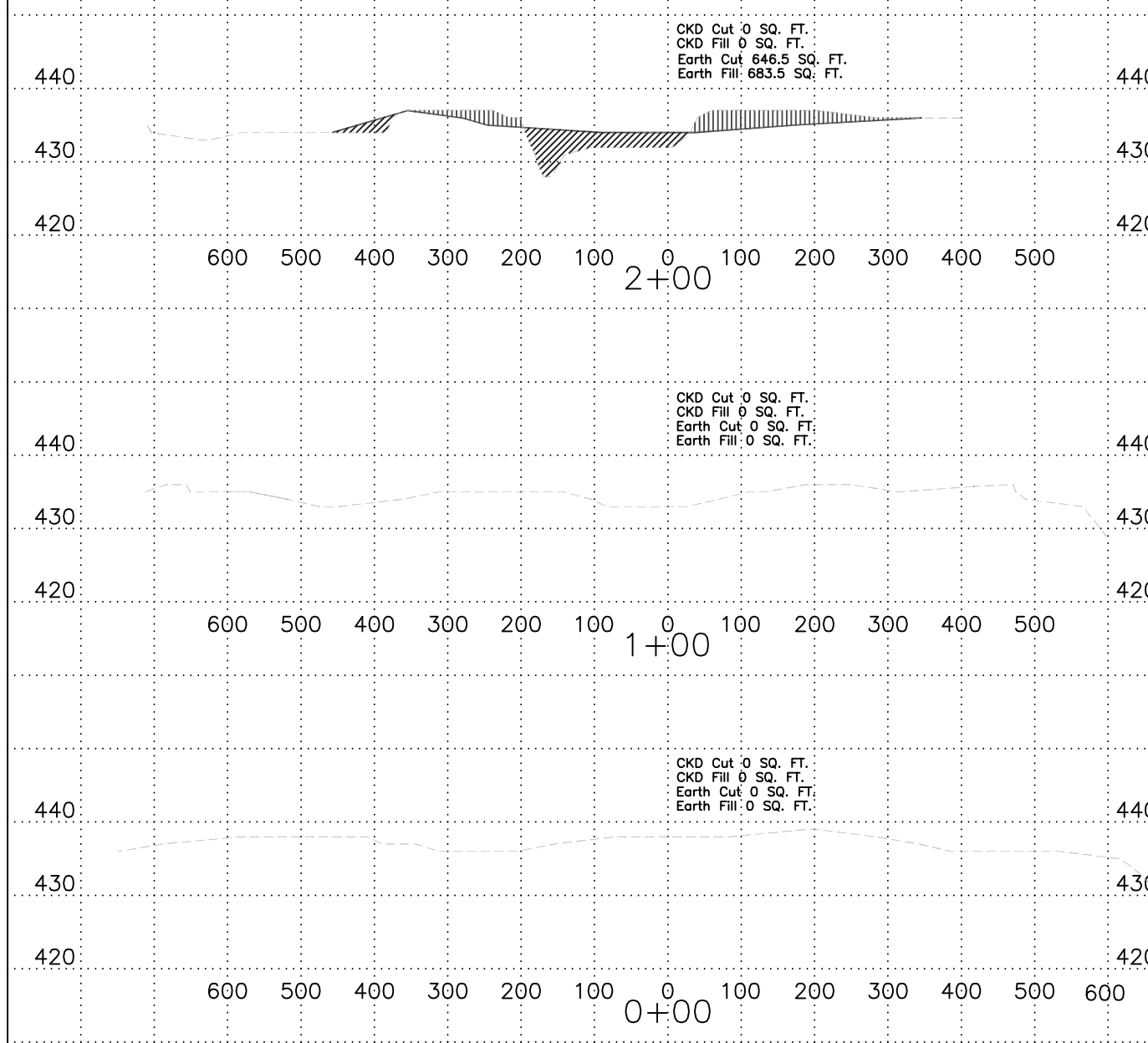
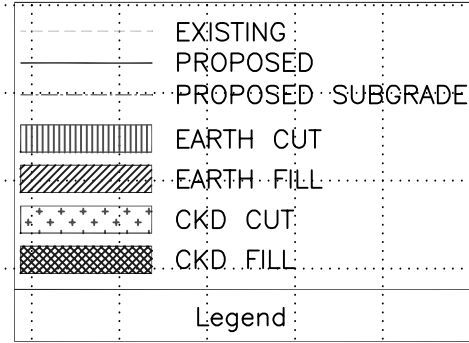
	EXISTING CONTOUR
	PROJECT BASELINE
	TREE LINE
	EDGE OF WATER
	CONTROL POINT
	CONSTRUCTION LIMITS
	SPECIAL EXCELSIOR BLANKET
	PROPOSED CONTOUR
	PERIMETER EROSION BARRIER

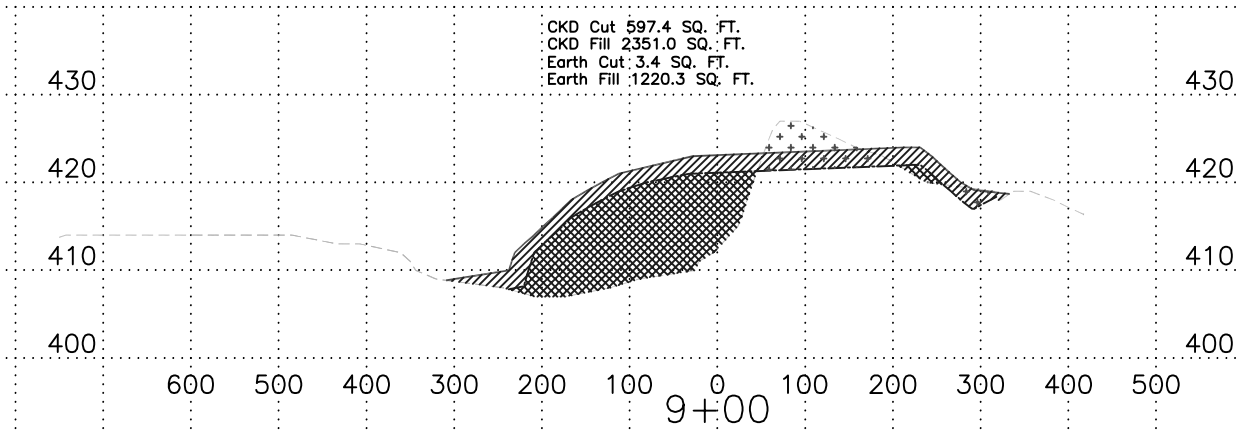
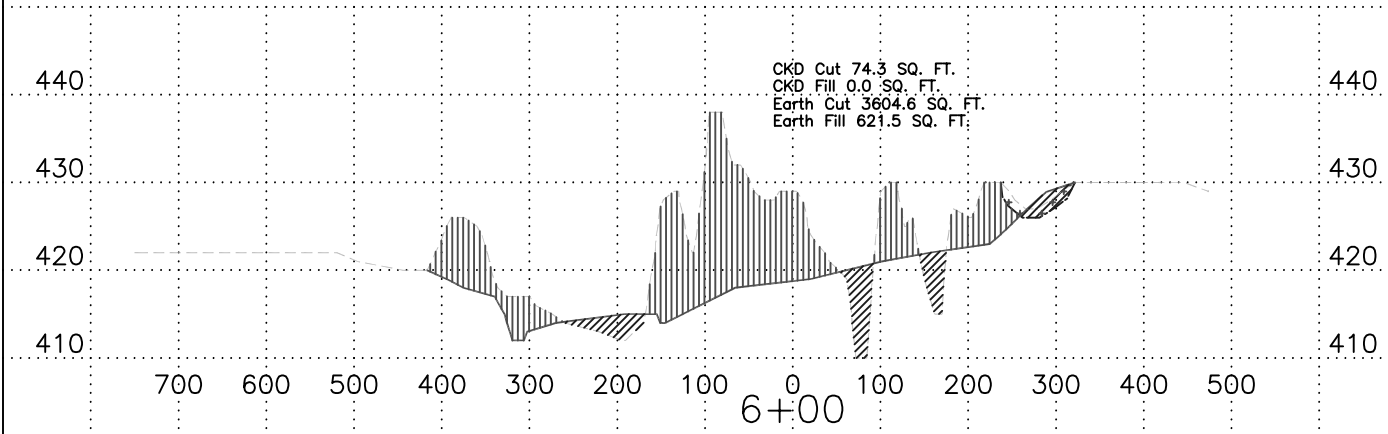
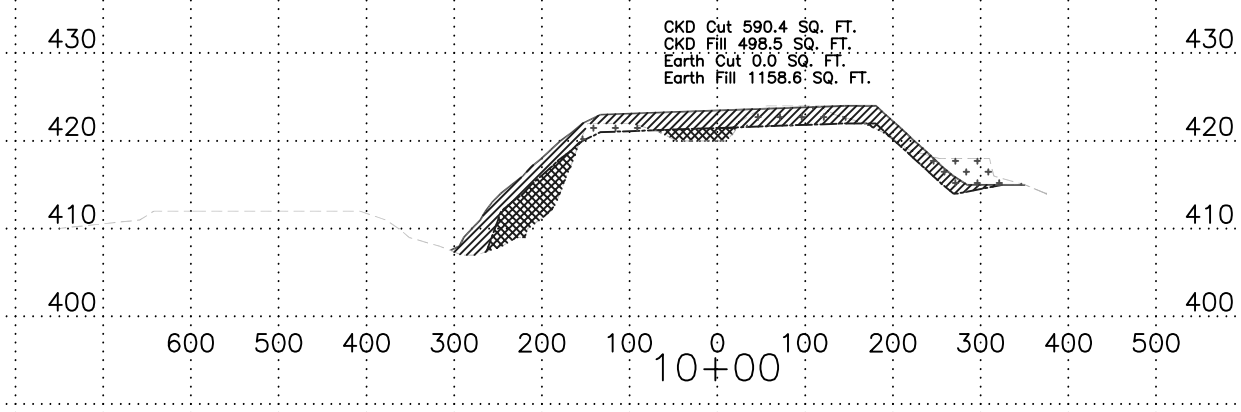
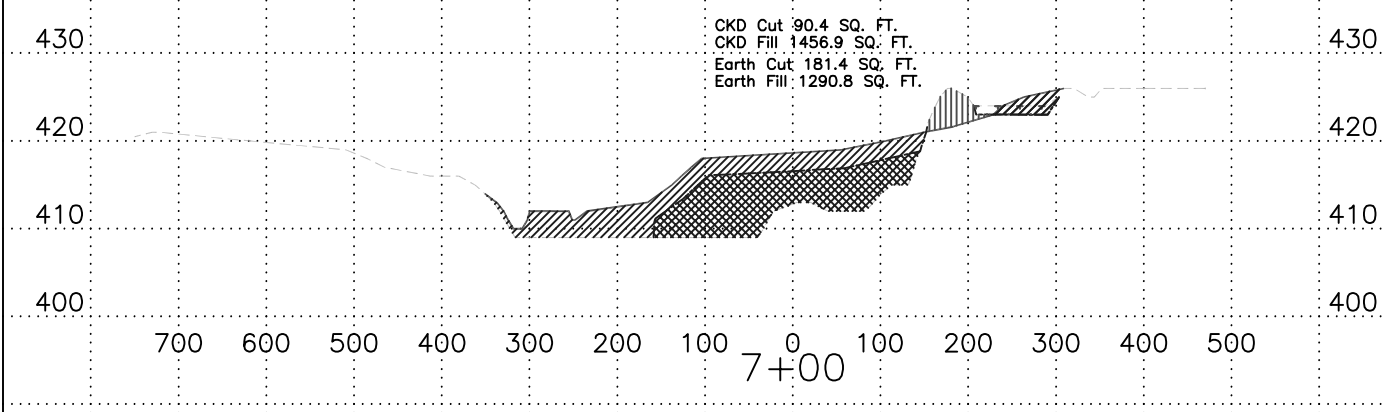
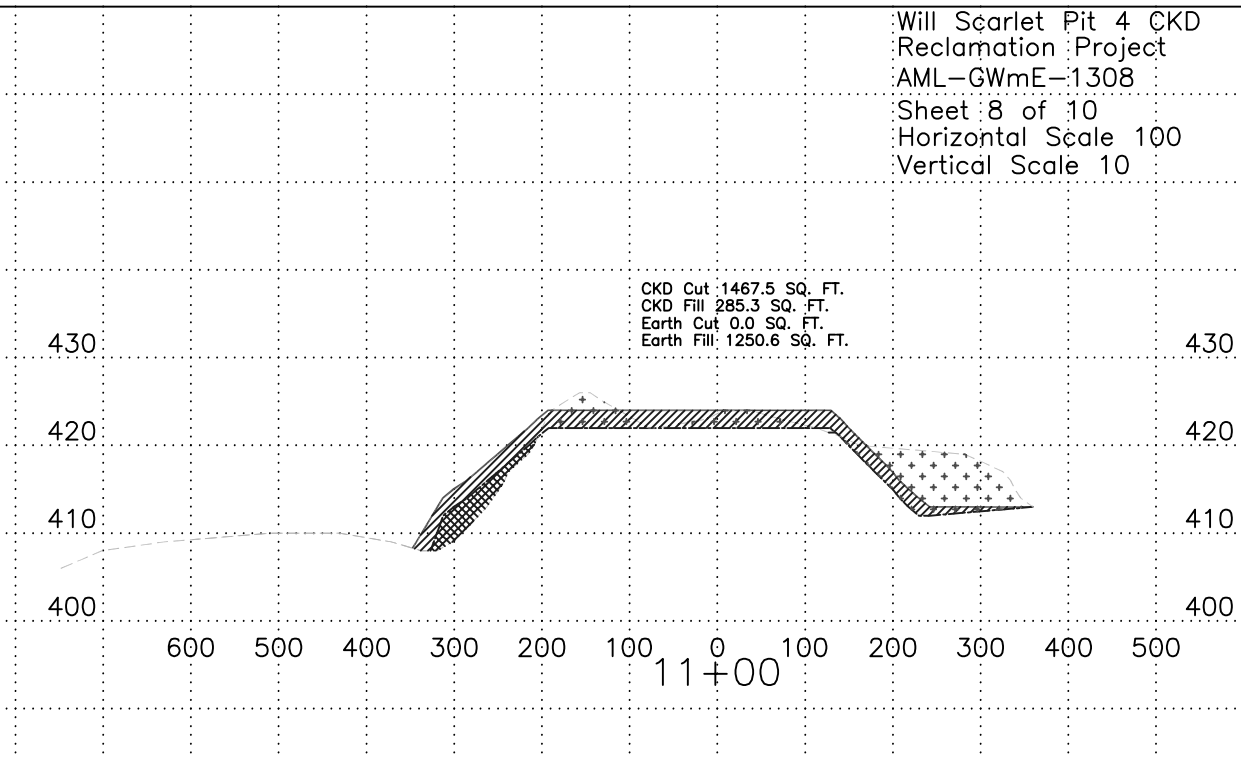
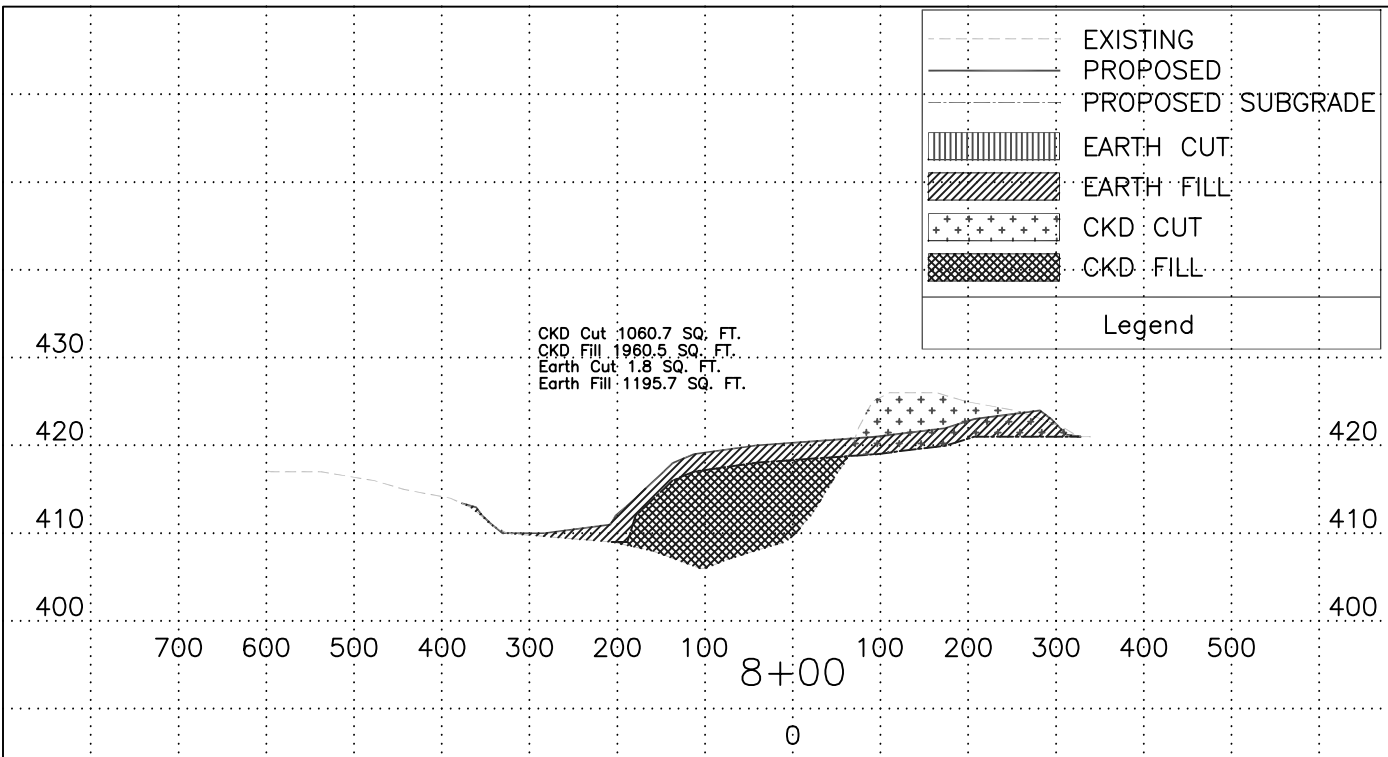
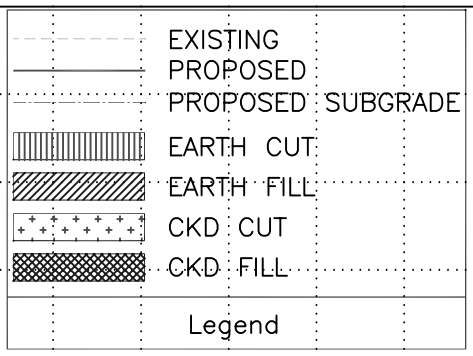
Legend



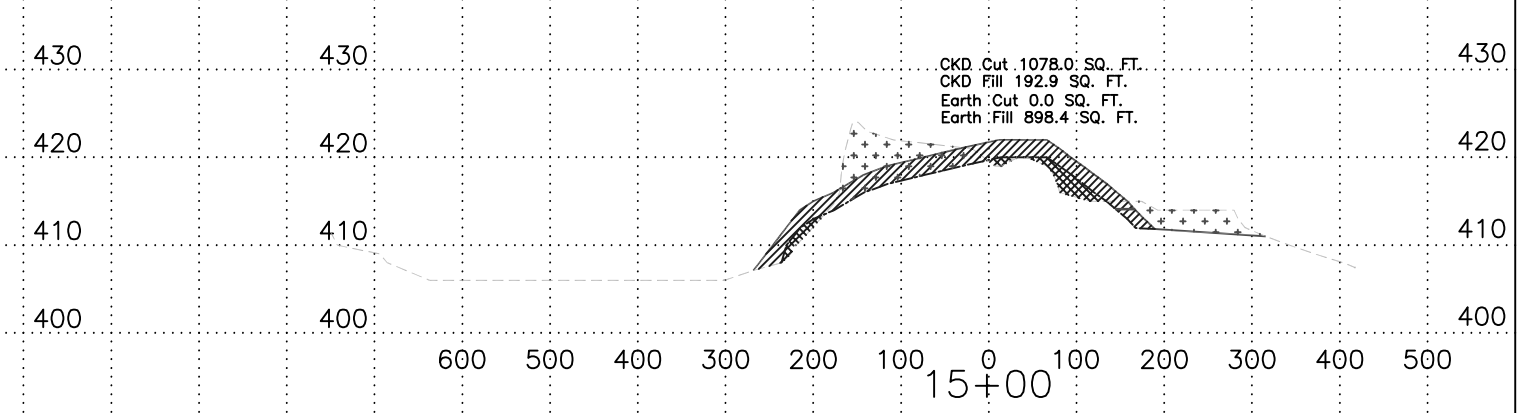
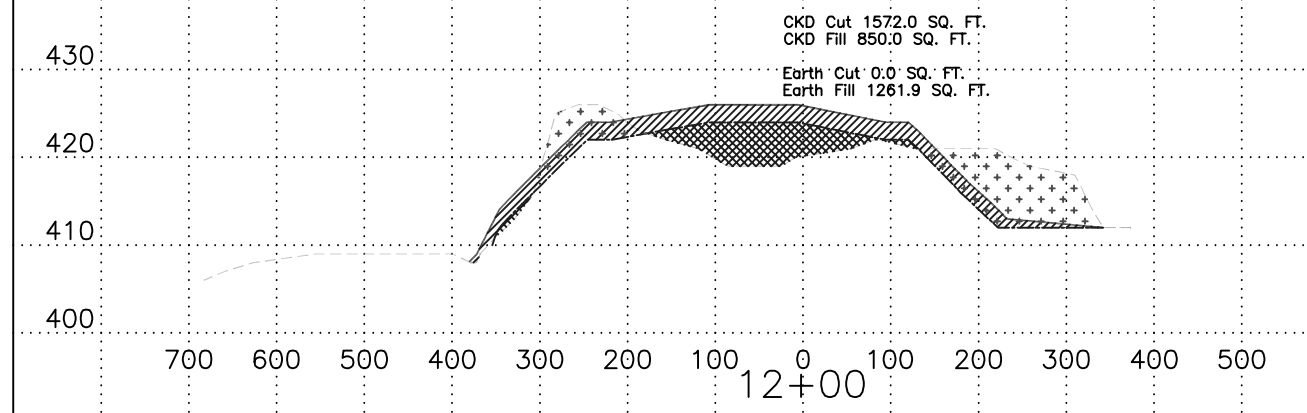
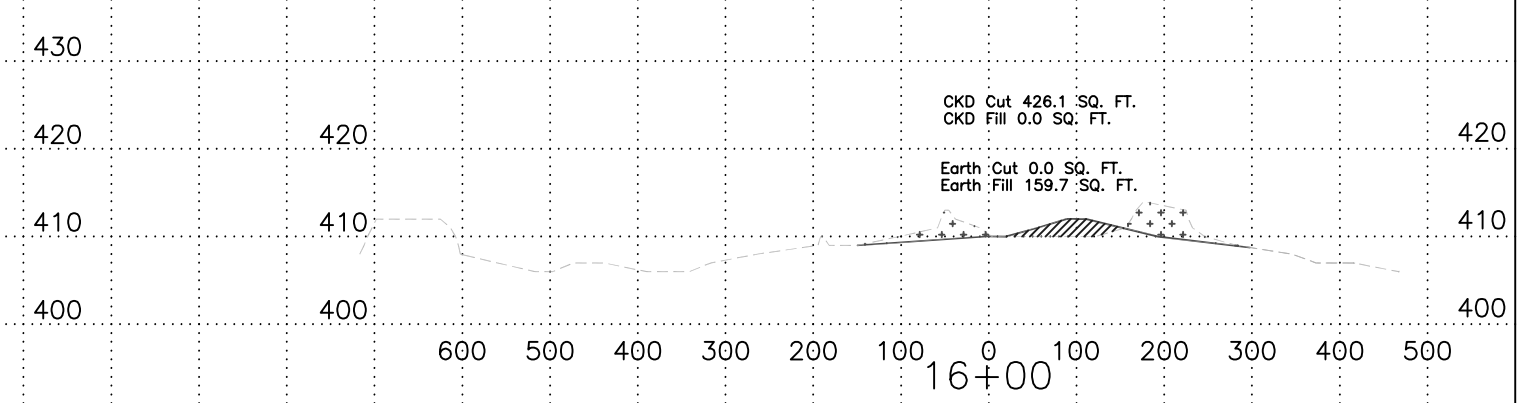
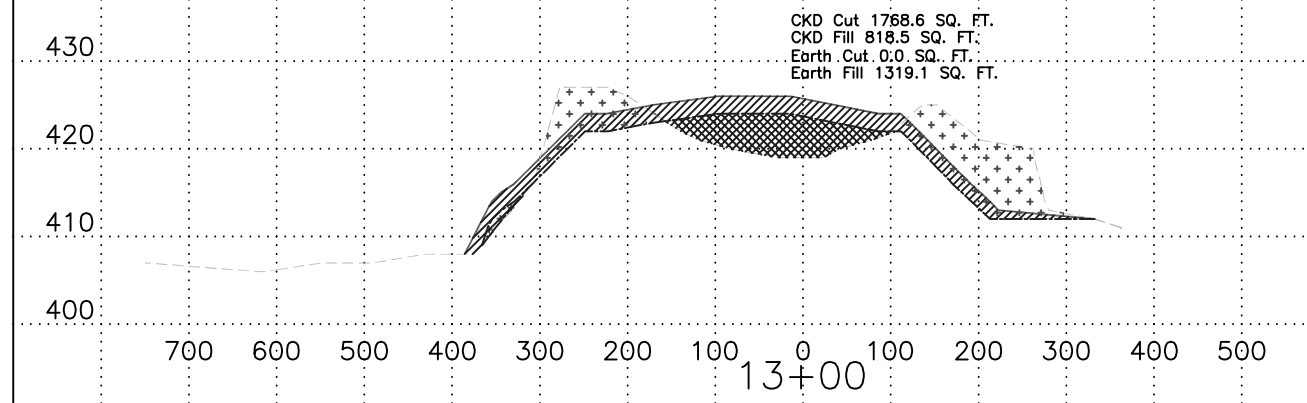
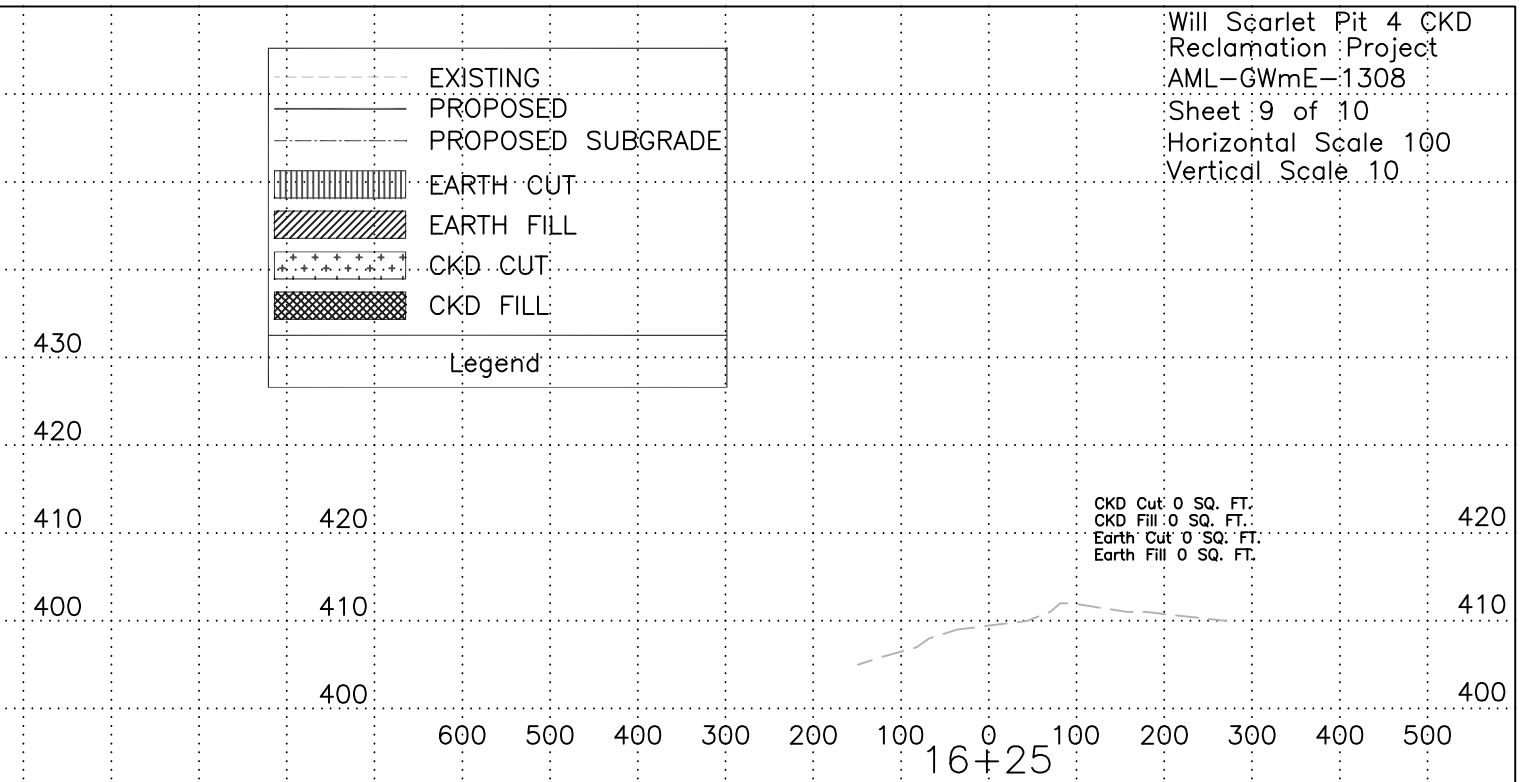
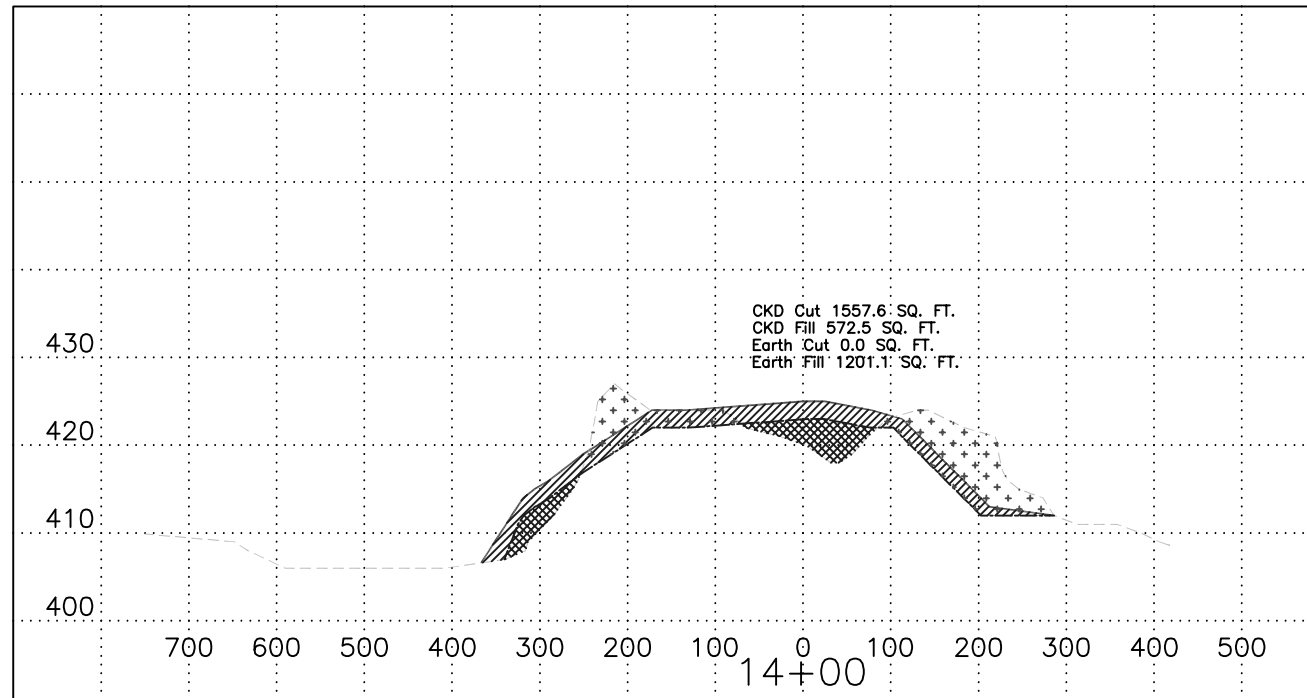
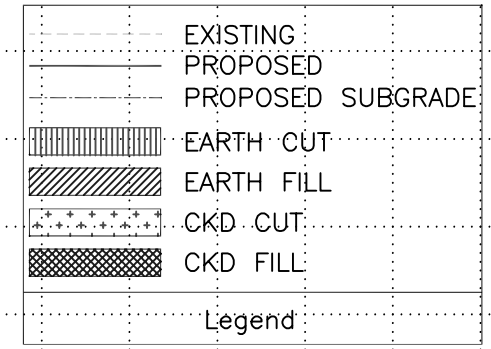
MATCH TO SHEET 5

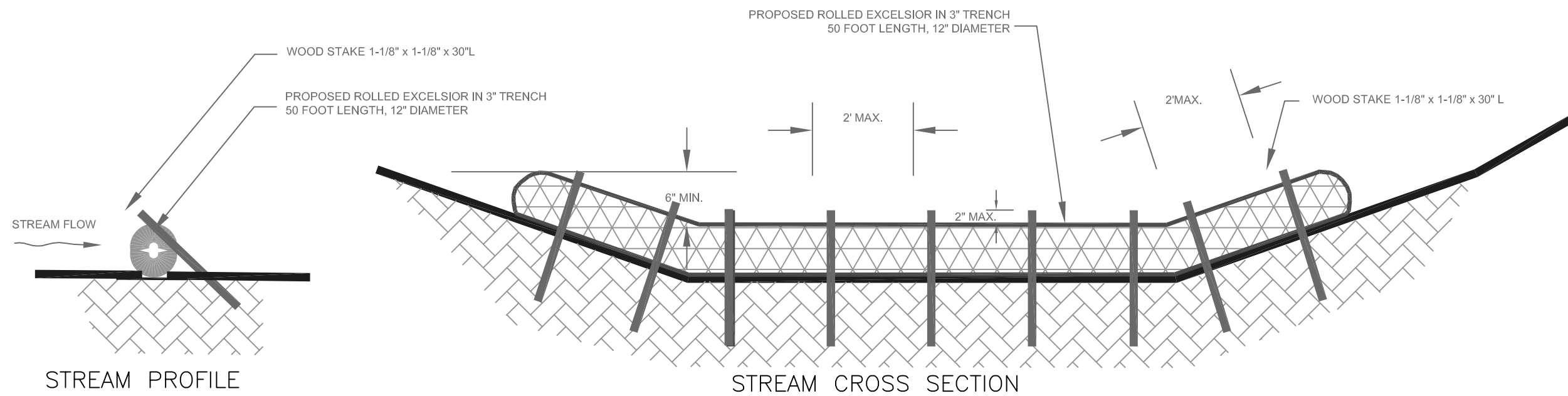
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 Vertical Scale 10



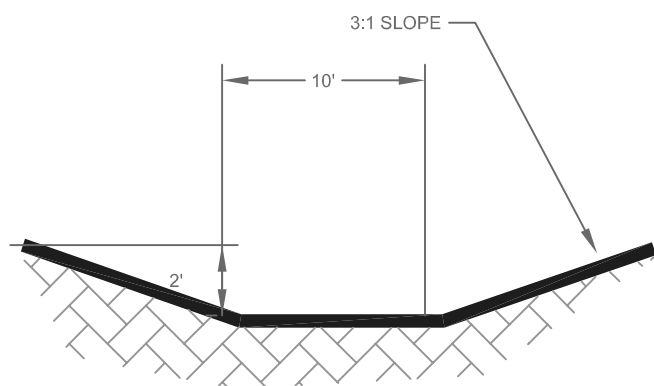




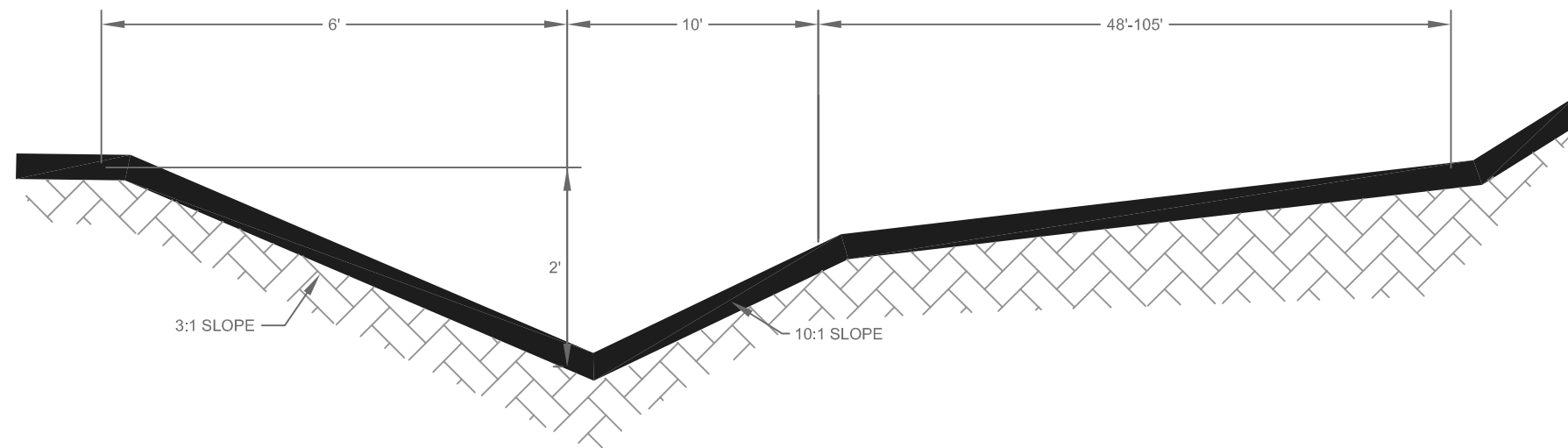




TEMPORARY DITCH CHECK – ROLLED EXCELSIOR  
 DETAIL A-10, NOT TO SCALE



WEST DITCH SECTION  
 DETAIL B-10, NOT TO SCALE



EAST DITCH SECTION  
 DETAIL C-10, NOT TO SCALE