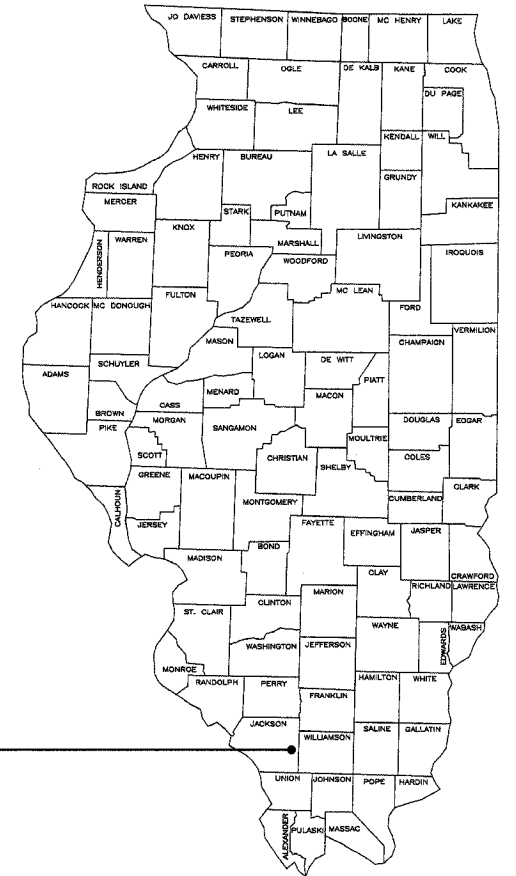


State of Illinois
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Division of Abandoned Mined Lands

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

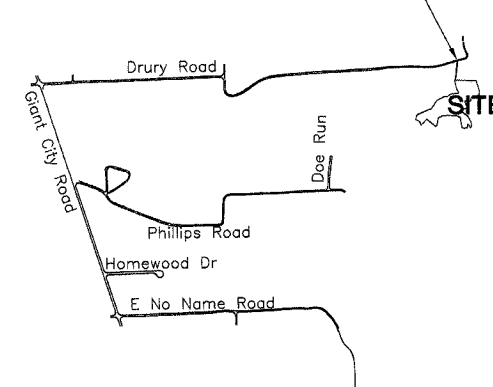
**Tab Simco Phase III
 Reclamation Project
 AML-GJkE-0611
 Jackson County
 2LR**



**Tab Simco Phase III
 Jackson County**

PRE-BID MEETING
 A PRE-BID MEETING IS SCHEDULED FOR THIS PROJECT AT 10:30 A.M.
 THURSDAY, JANUARY 11, 2007. ALL INTERESTED POTENTIAL BIDDERS
 ARE TO MEET AT THE PROJECT SITE ENTRANCE OFF DRURY ROAD.
 SEE MAP BELOW:

LOCATION OF PRE-BID MEETING Jan.11, 2007



SCHEDULE OF DRAWINGS:

1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map/
Survey Control Layout
- 3-4 Existing/Proposed Conditions
- 5-6 Proposed Grading
- 7-18 Cross Sections
- 19-22 Details

IDOT STANDARD 665001-01 WOVEN WIRE FENCE

Prepared By IDNR Staff

Approved for Bidding:

Joseph R. Angleton, Director
 Office of Mines and Minerals

Approved By:

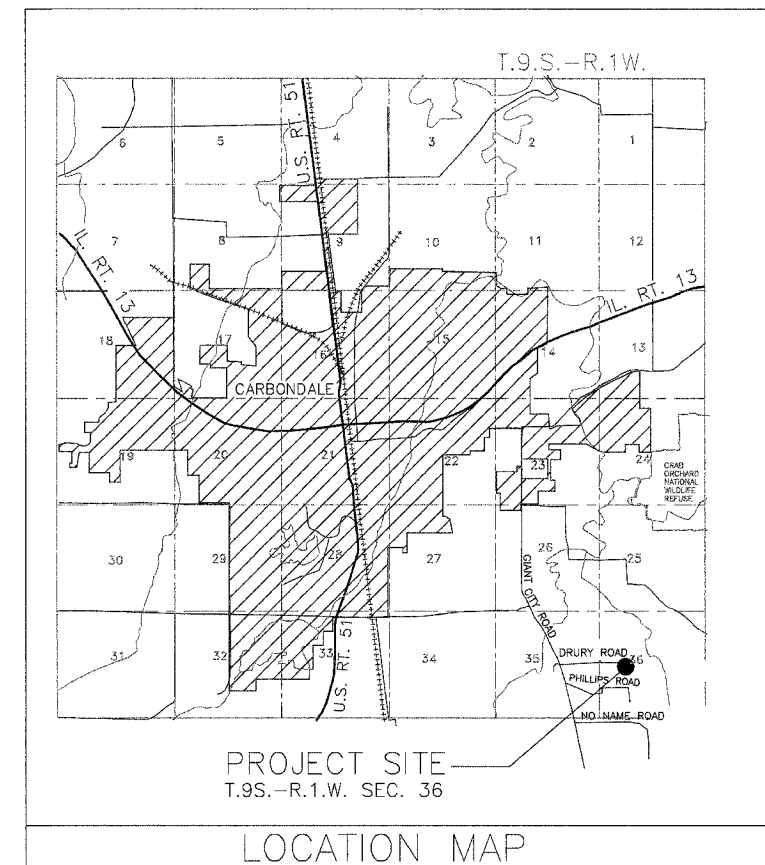
Alfred L. Clayborne, Manager
 AML Division

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.	All Tree Clearing must be Completed Before April 1, 2007
2	Earth Excavation	202	90,784	C.Y.	Compaction Required as per Special Provision 205
3	Seeding	250	20	Acre	Seeding to be done Aug. 20-Sept. 30, 2007
4	Agricultural Ground Limestone	250	400	Ton	20 T/AC
5	Nitrogen Fertilizer Nutrient	250	4000	Pound	100 LB/AC Twice - 2nd Application 1/1/08-3/15/08
6	Phosphorus Fertilizer Nutrient	250	3000	Pound	150 LB/AC
7	Potassium Fertilizer Nutrient	250	7000	Pound	350 LB/AC
8	Mulch, Method 2, Procedure 2	IDOT 251	20	Acre	2 T/AC
9	Mowing	258	20	Acre	
10	Perimeter Erosion Barrier	IDOT 280	464	Foot	Silt Filter Fence Required
11	Stone Riprap A-3	IDOT 281	1275	S.Y.	
12	Stone Riprap A-4	IDOT 281	2907	S.Y.	
13	Filter Fabric for use with Rip-Rap	IDOT 282	4182	S.Y.	
14	Special Excelsior Blanket	286	12,690	S.Y.	8' Width
15	Aggregate Base Course, Type B CA-1	IDOT 351	134	Ton	CA-1 - Base for new road into Site
16	Aggregate Surface Course, Type B CA-6	IDOT 402	247	Ton	CA-6 for Existing and New Roads into Site
17	Pipe Culvert, 48" BCRCP, Type 1	IDOT 542	25	Foot	Must be BITUMINOUS COATED to resist acid water
18	French Drains, Chert, Gradation CA-1	IDOT 601	120	Ton	Does not have to be IDOT certified but be CA-1 gradation
19	Geotechnical Fabric for French Drains	IDOT 601	270	S.Y.	
20	Woven Wire Fence	IDOT 665	1729	Foot	Metal Posts Required
21	Woven Wire Gates	IDOT 665	2	Each	Double Gate with 10' Opening Required
22	Mobilization	671	1	L.S.	Maximum 6% of total bid
23	Agri-drain Structure Inline 10'x06"P	675	1	L.S.	Must be Agri-drain Corp. or equal
24	Agri-drain Structure Inline 06'x06"P	675	1	L.S.	Must be Agri-drain Corp. or equal
25	Wetlands Stop Log Structure	675	1	L.S.	
26	PVC Pipe - 6" Dia.	675	373	Foot	Includes anti-seep collars, fittings, connections
27	Perforated PVC Pipe - 6" Dia.	675	1197	Foot	Includes all fittings, elbows etc.
28	AMD-Fine Aggregate	675	355	Ton	FA-6 base below PVC pipes in AMD Treatment Cells
29	AMD-Coarse Aggregate	675	1301	Ton	CA-1 aggregate around PVC pipes in AMD Treatment Cells
30	AMD-Steel Slag CA	675	630	Ton	Material will be supplied to the site by others
31	AMD-Filter Fabric	675	4312	S.Y.	
32	AMD-Wood Chips	675	3545	C.Y.	
33	AMD-Limestone	675	692	Ton	
34	AMD-Mulch	675	1806	C.Y.	
35	AMD-Compost	675	736	C.Y.	
36	AMD-Steel Slag	675	1940	Ton	Material will be supplied to the site by others



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.

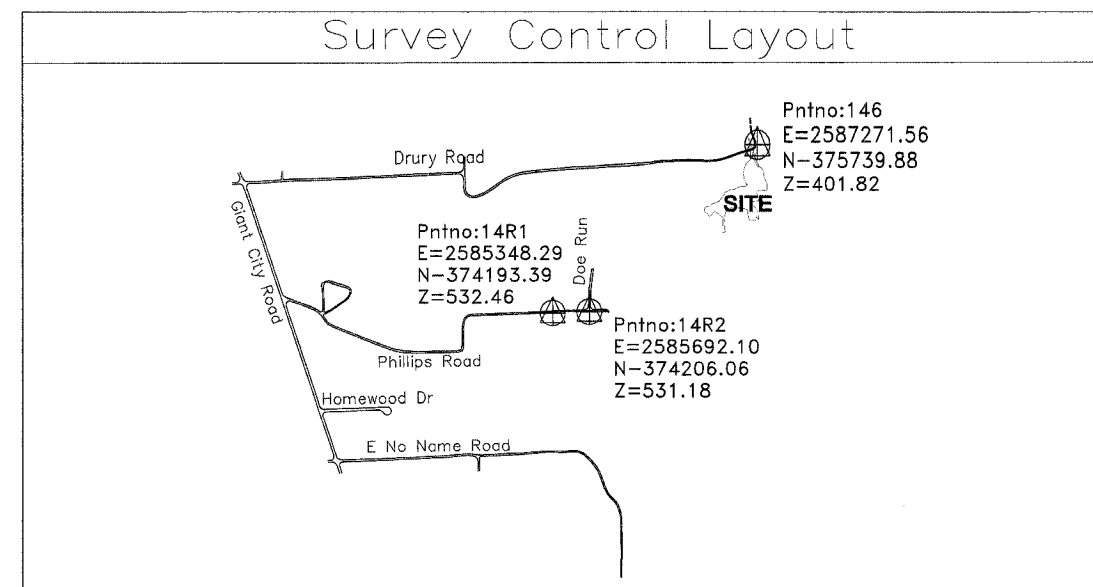
ALL TREE REMOVAL SHALL BE COMPLETED BEFORE APRIL 1, 2007 -Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

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 2 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.



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Drawn By:
Checked By:

Summary of Quantities/
General Notes/Location Map/
Survey Control Layout

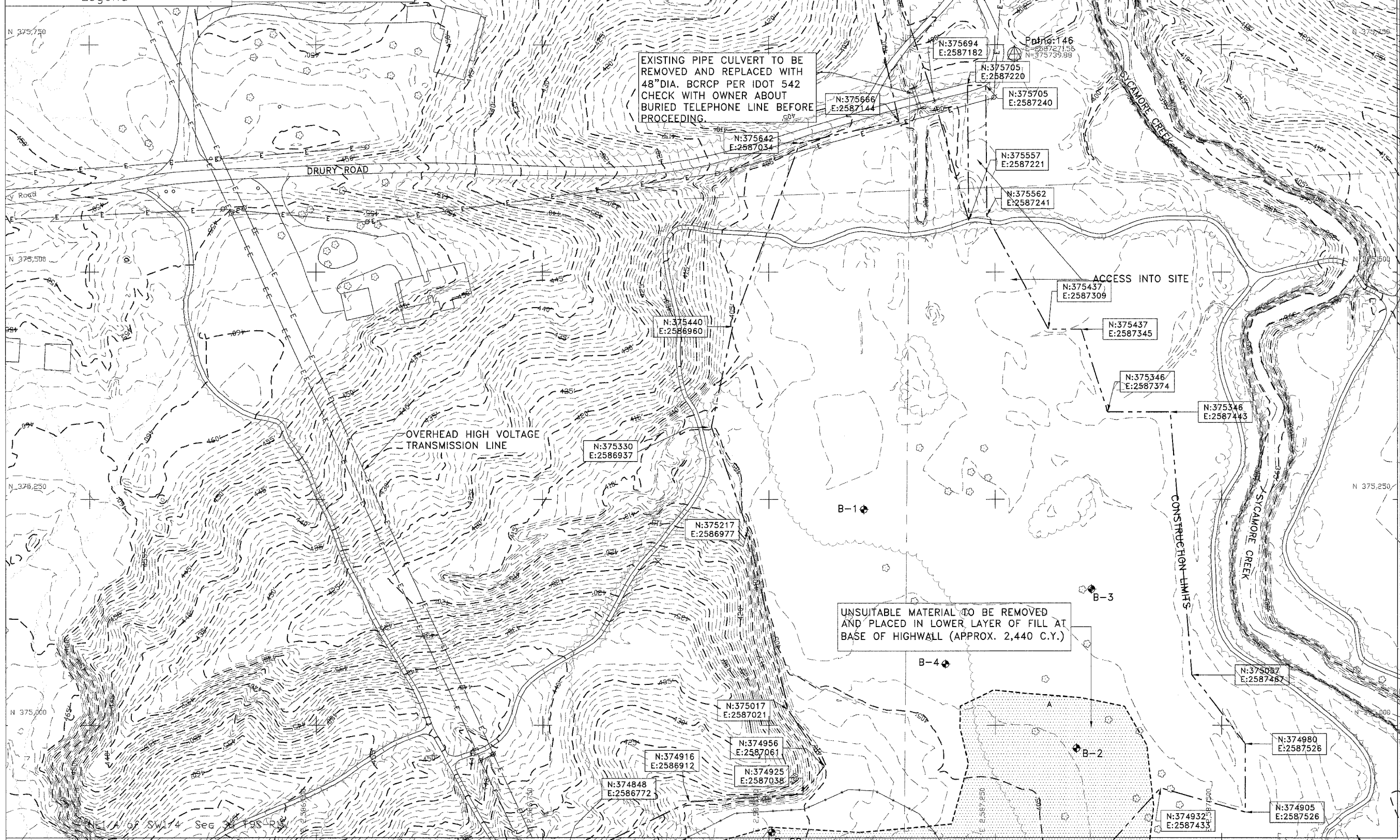
Sheet 2 of 22

- 500 --- EXISTING CONTOUR
- 500 — PROPOSED CONTOUR
- CONSTRUCTION LIMITS
- EDGE OF ROAD
- ~ TREELINE
- EDGE OF WATER
- B-# - BORING
- AS-# - ACID SEEP
- ⊕ SURVEY CONTROL POINT

**TAB SIMCO
Phase III**



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SCALE IN FEET



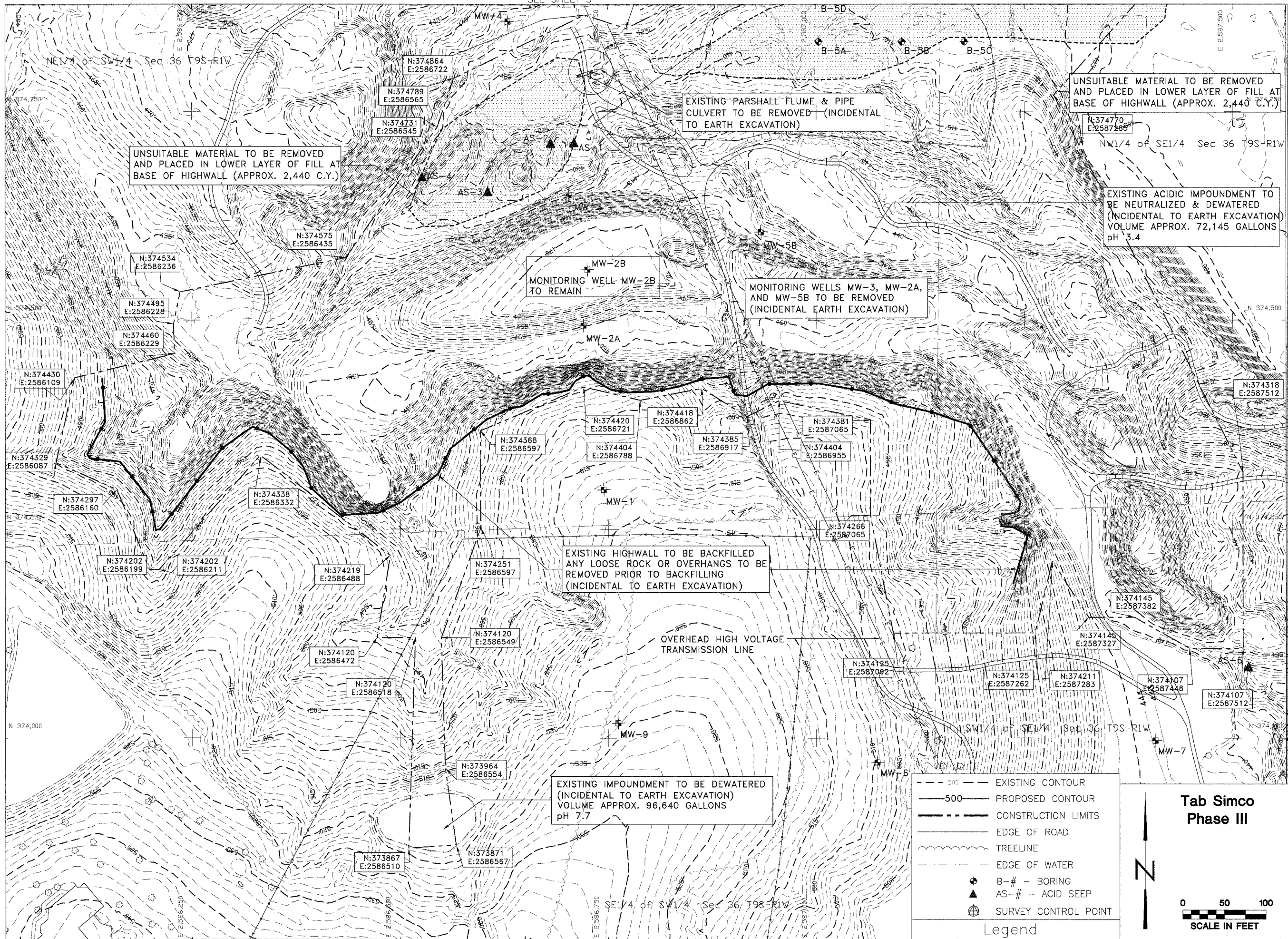
State of Illinois
Department of Natural Resources

Tab Simco Phase III
Reclamation Project
AML-GJKE-0611
Jackson County

Drawn By: _____ Date: _____

Checked By: _____

Existing/Proposed Conditions
North Half of Site
Sheet
3 of 22



UNSUITABLE MATERIAL TO BE REMOVED AND PLACED IN LOWER LAYER OF FILL AT BASE OF HIGHWALL (APPROX. 2,440 C.Y.)

EXISTING PARSHALL FLUME & PIPE CULVERT TO BE REMOVED (INCIDENTAL TO EARTH EXCAVATION)

UNSUITABLE MATERIAL TO BE REMOVED AND PLACED IN LOWER LAYER OF FILL AT BASE OF HIGHWALL (APPROX. 2,440 C.Y.)

EXISTING ACIDIC IMPOUNDMENT TO BE NEUTRALIZED & DEWATERED (INCIDENTAL TO EARTH EXCAVATION) VOLUME APPROX. 72,145 GALLONS pH 3.4

MONITORING WELL MW-2B TO REMAIN

MONITORING WELLS MW-3, MW-2A, AND MW-5B TO BE REMOVED (INCIDENTAL EARTH EXCAVATION)

EXISTING HIGHWALL TO BE BACKFILLED ANY LOOSE ROCK OR OVERHANGS TO BE REMOVED PRIOR TO BACKFILLING (INCIDENTAL TO EARTH EXCAVATION)

EXISTING IMPOUNDMENT TO BE DEWATERED (INCIDENTAL TO EARTH EXCAVATION) VOLUME APPROX. 96,640 GALLONS pH 7.7

Legend

- - - - - EXISTING CONTOUR
- 500 — PROPOSED CONTOUR
- - - - - CONSTRUCTION LIMITS
- — — — — EDGE OF ROAD
- ~~~~~ TREELINE
- - - - - EDGE OF WATER
- ◆ B-# - BORING
- ▲ AS-# - ACID SEEP
- ⊕ SURVEY CONTROL POINT

Tab Simco Phase III

0 50 100
SCALE IN FEET

Date: _____

Drawn By: _____

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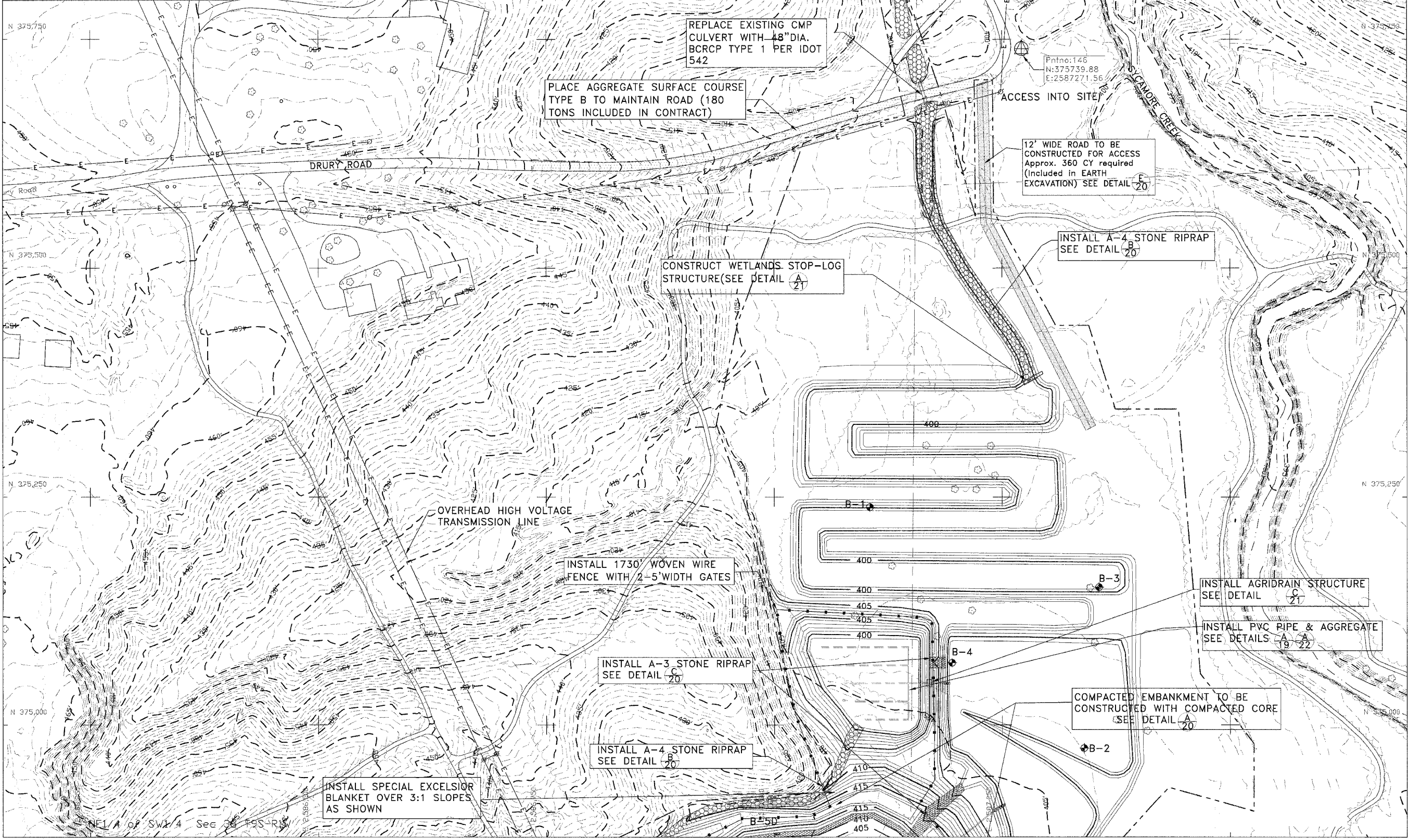
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- 500 — PROPOSED CONTOUR
- CONSTRUCTION LIMITS
- EDGE OF ROAD
- ~ TREELINE
- - - EDGE OF WATER
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- ⊙ SURVEY CONTROL POINT

**Tab Simco
Phase III**

N

0 50 100
SCALE IN FEET

Legend

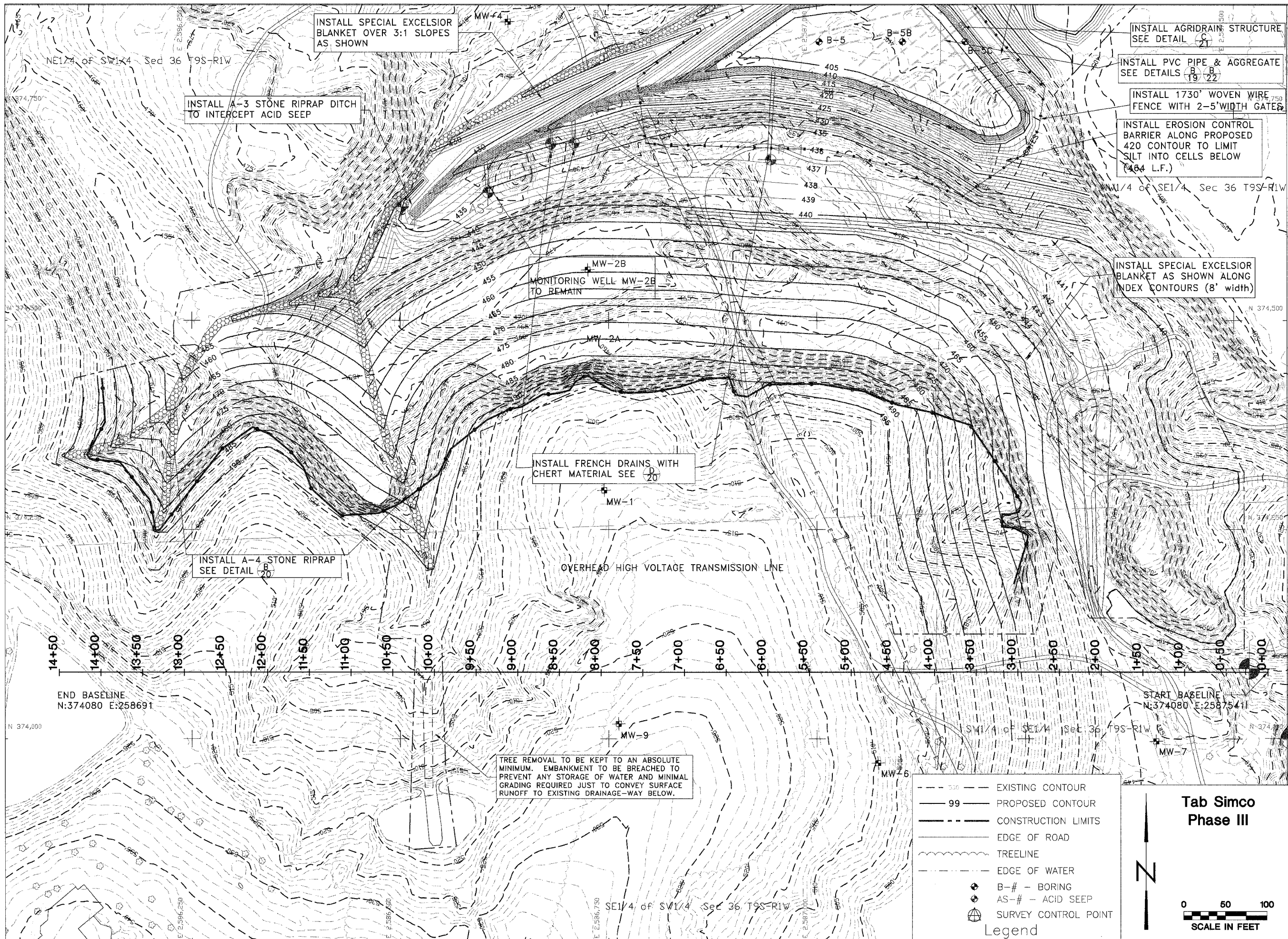


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Department of Natural Resources**

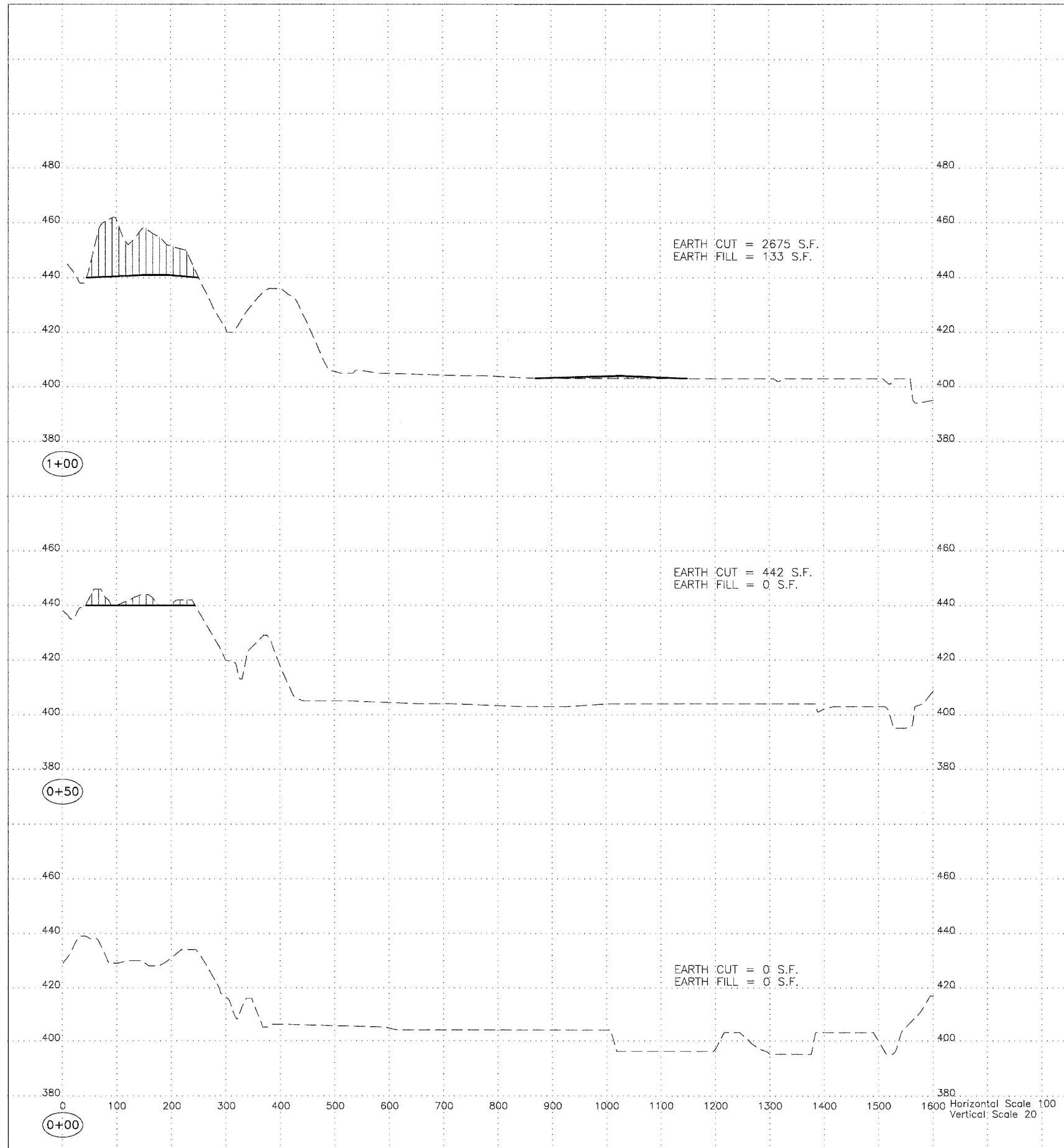
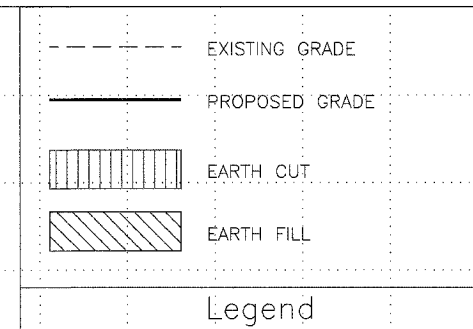
**Tab Simco Phase III
Reclamation Project
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Jackson County**

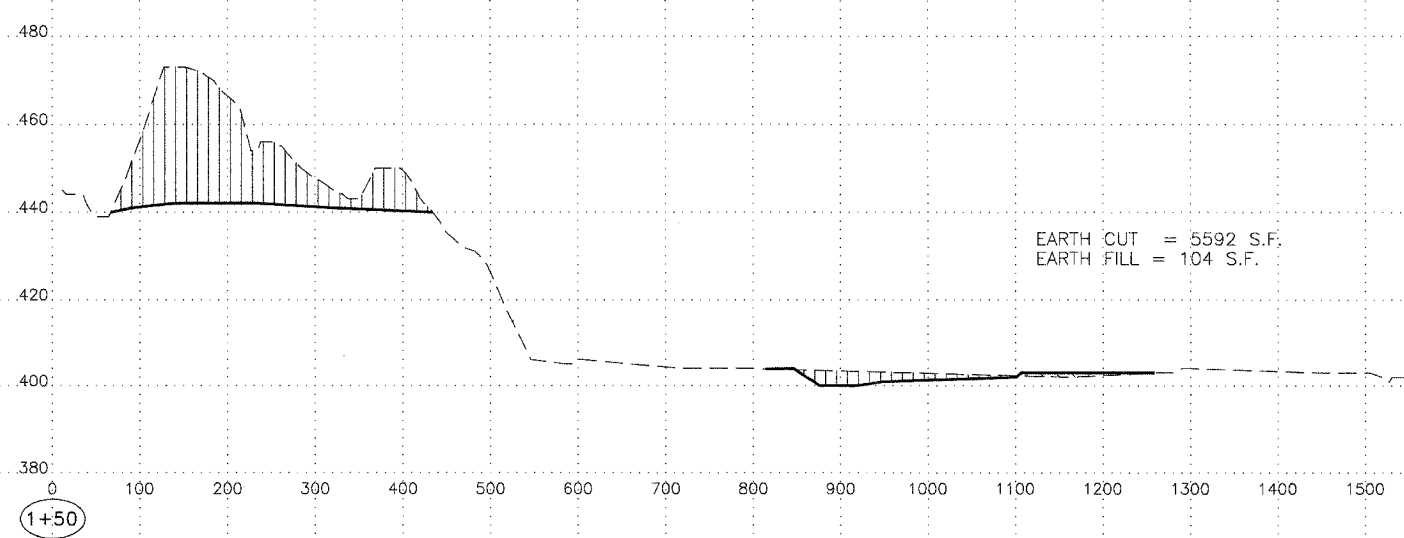
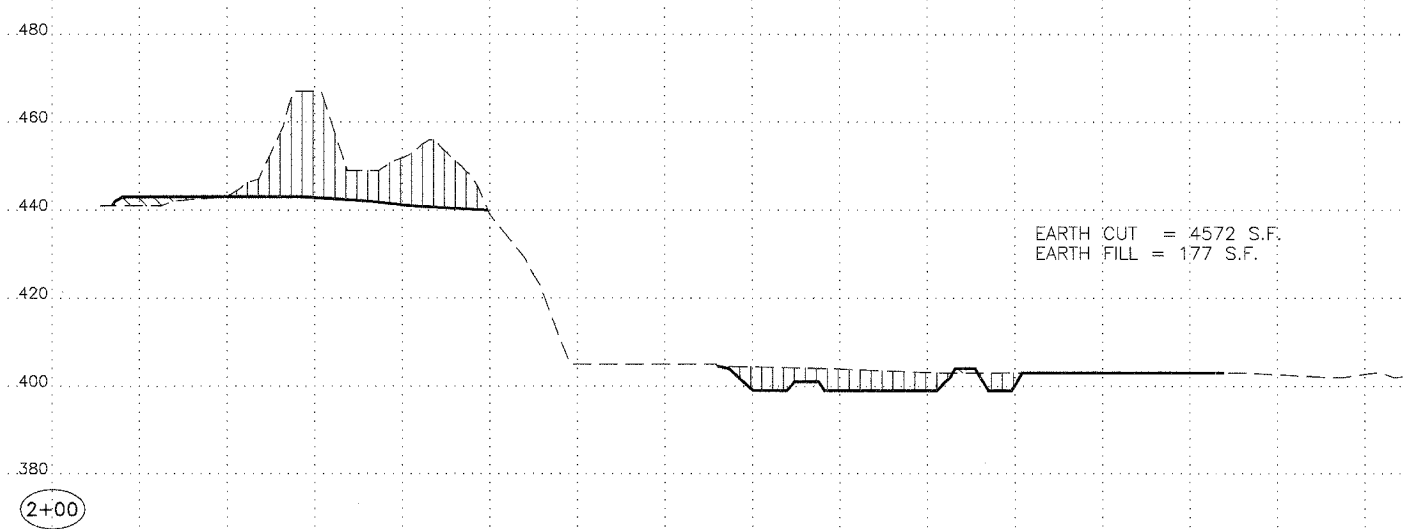
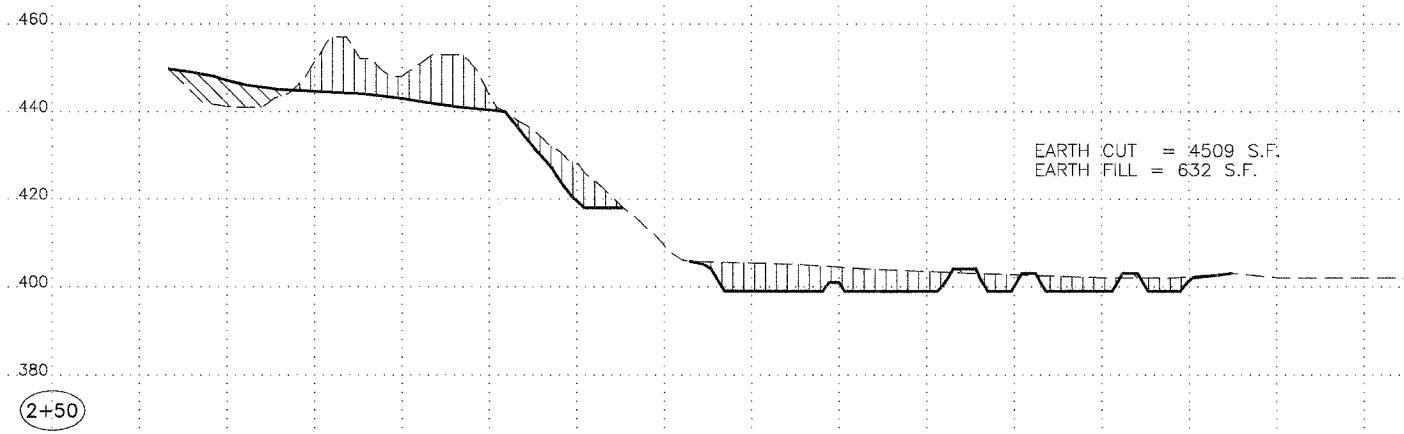
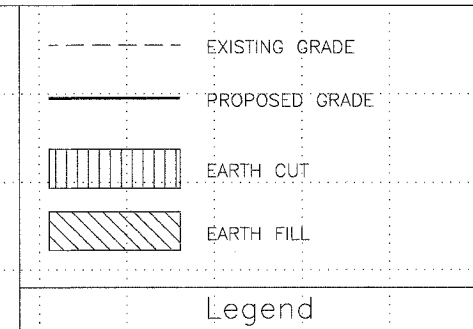
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**Proposed Grading
North Half of Site
Sheet
5 of 22**



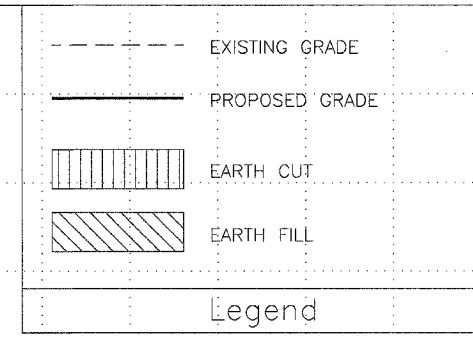
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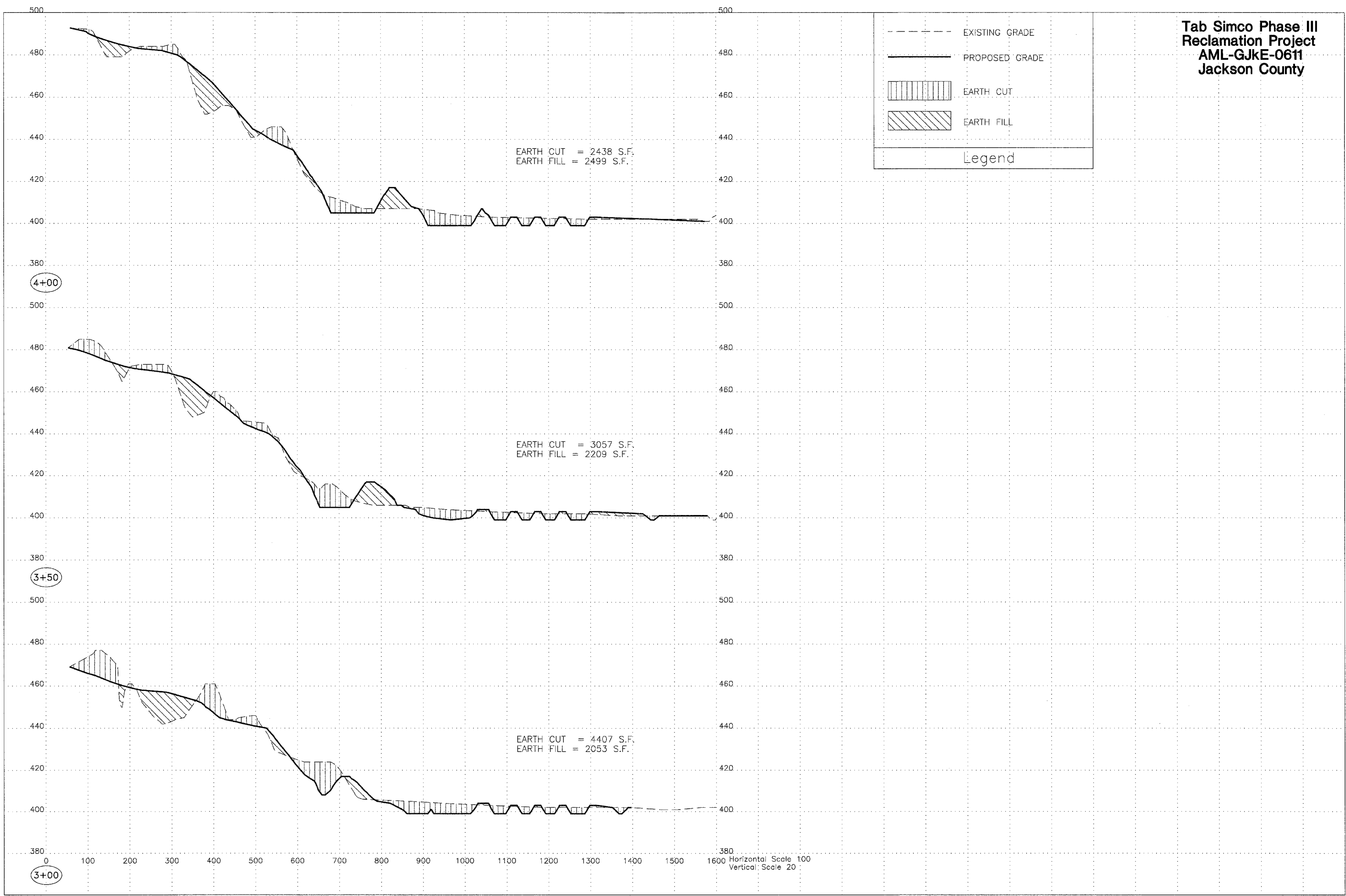
**Tab Simco Phase III
Reclamation Project
AML-GJkE-0611
Jackson County**



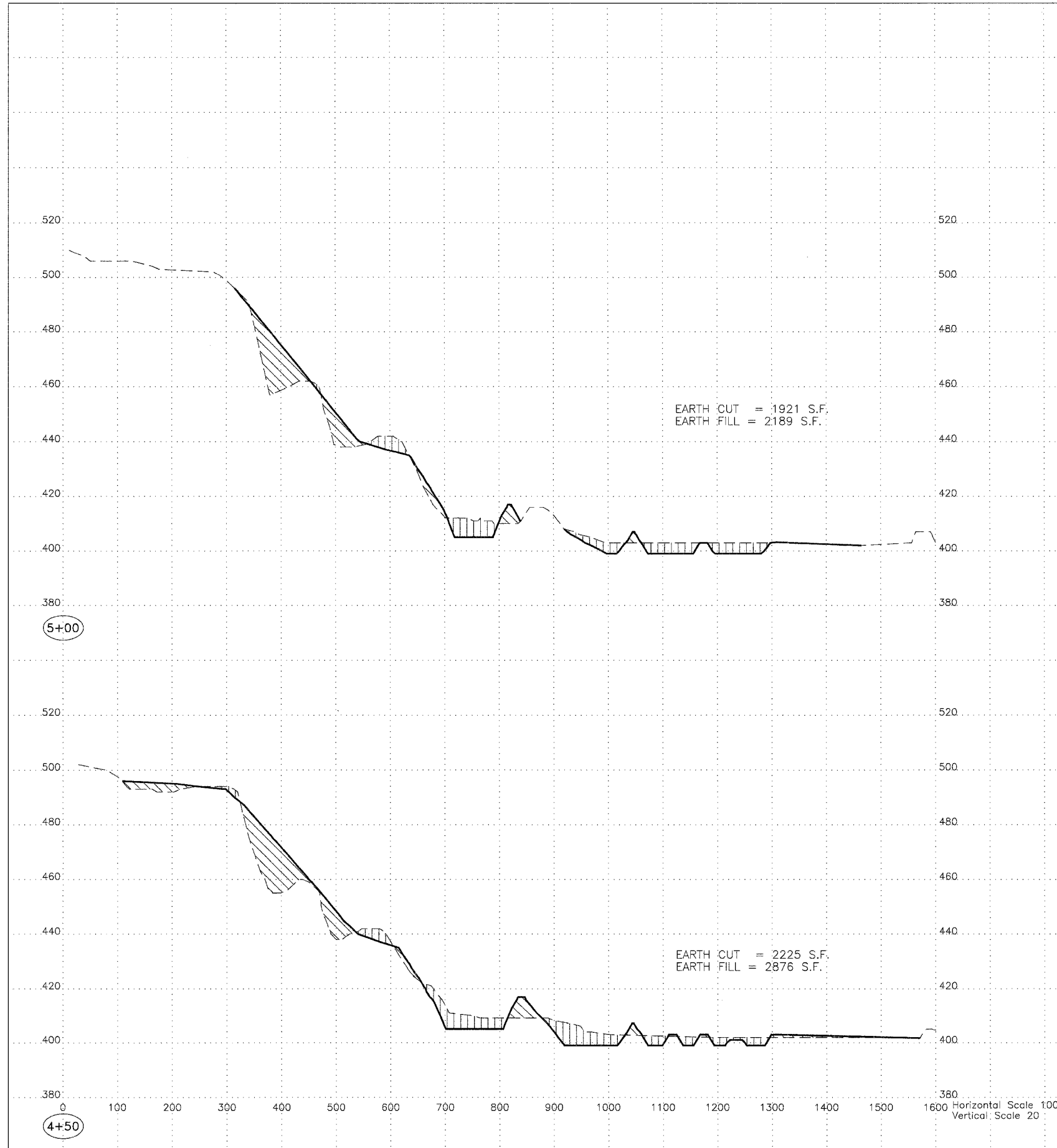
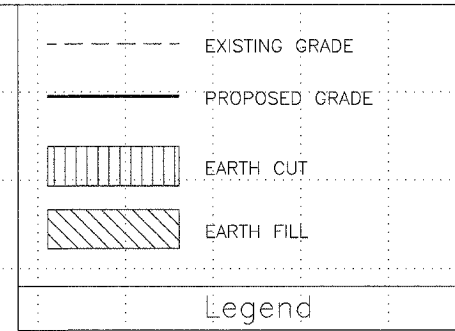
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EARTH FILL = 2499 S.F.

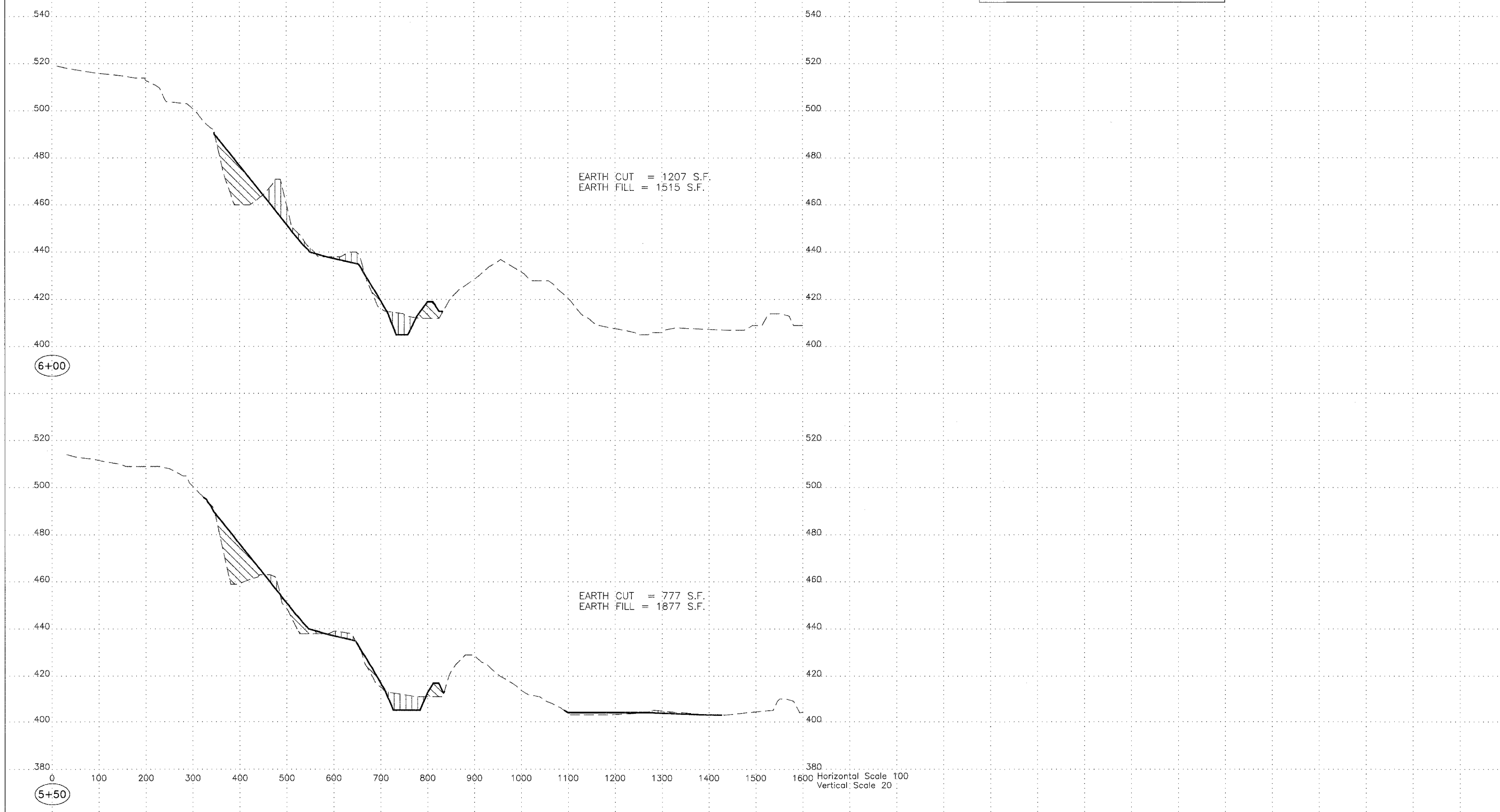
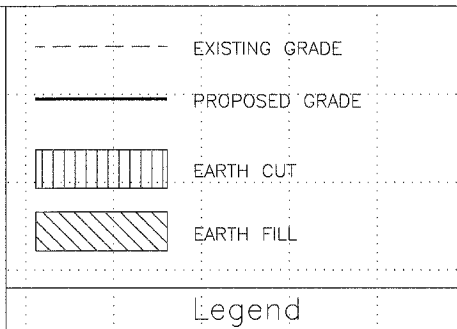
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EARTH FILL = 2209 S.F.

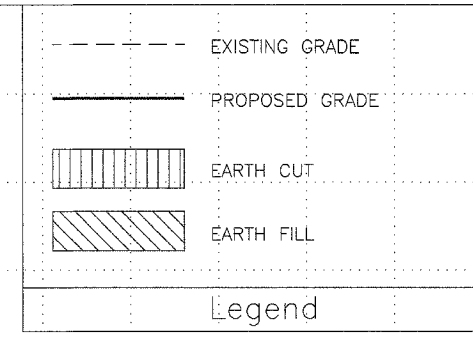
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EARTH FILL = 2053 S.F.

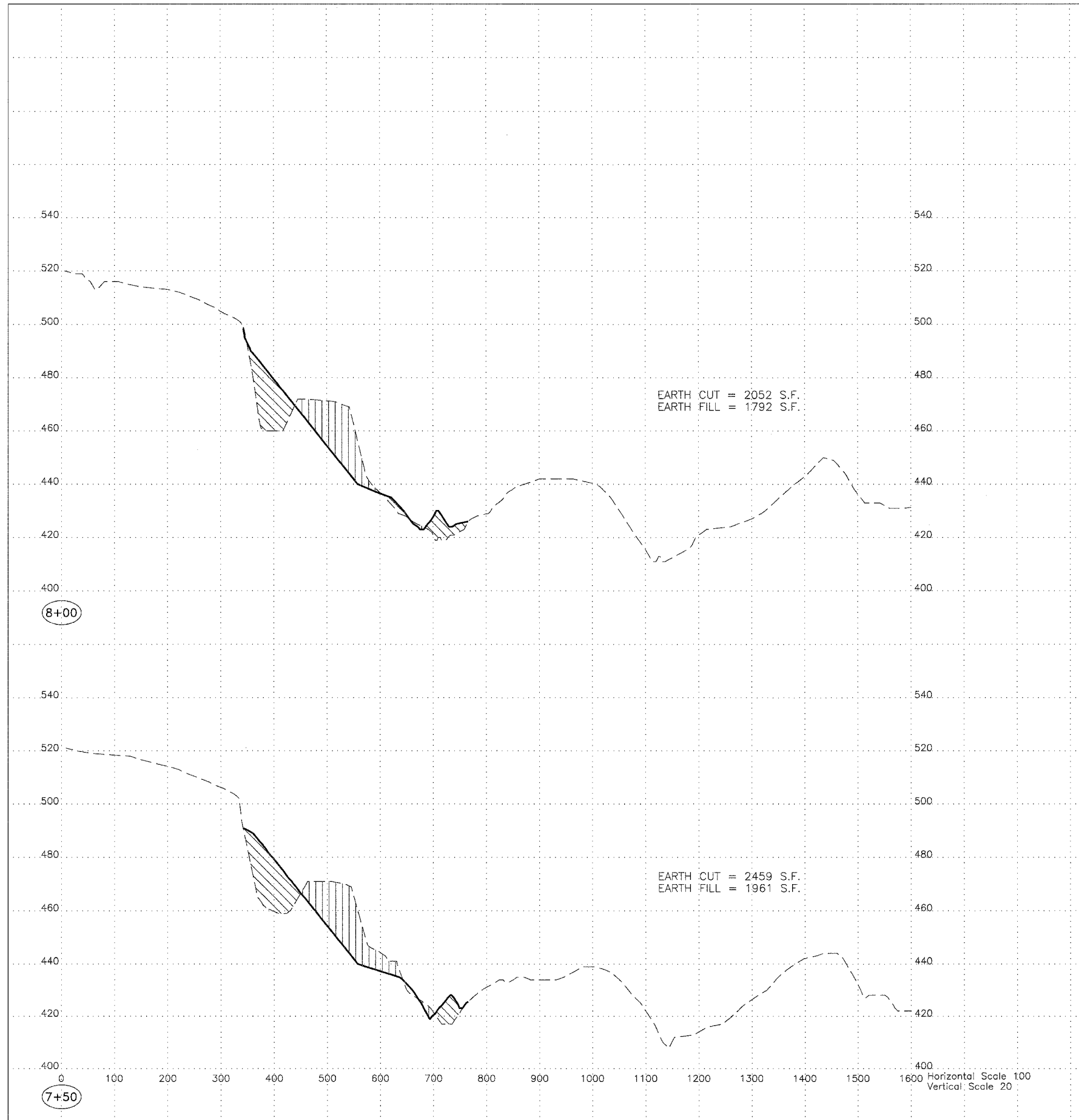
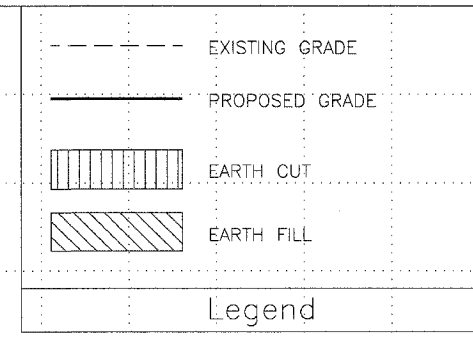


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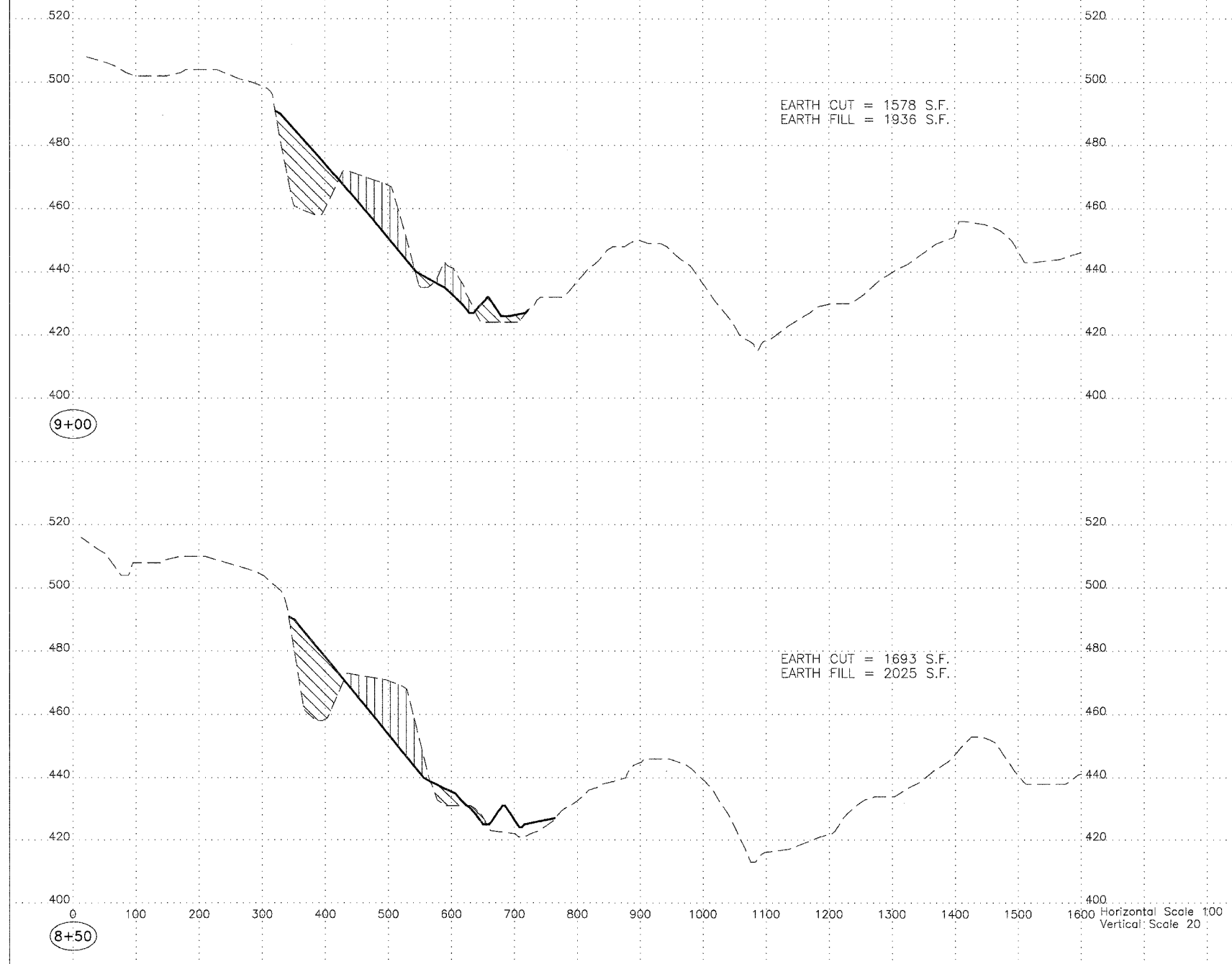
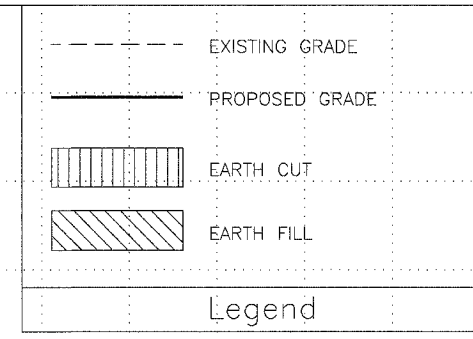


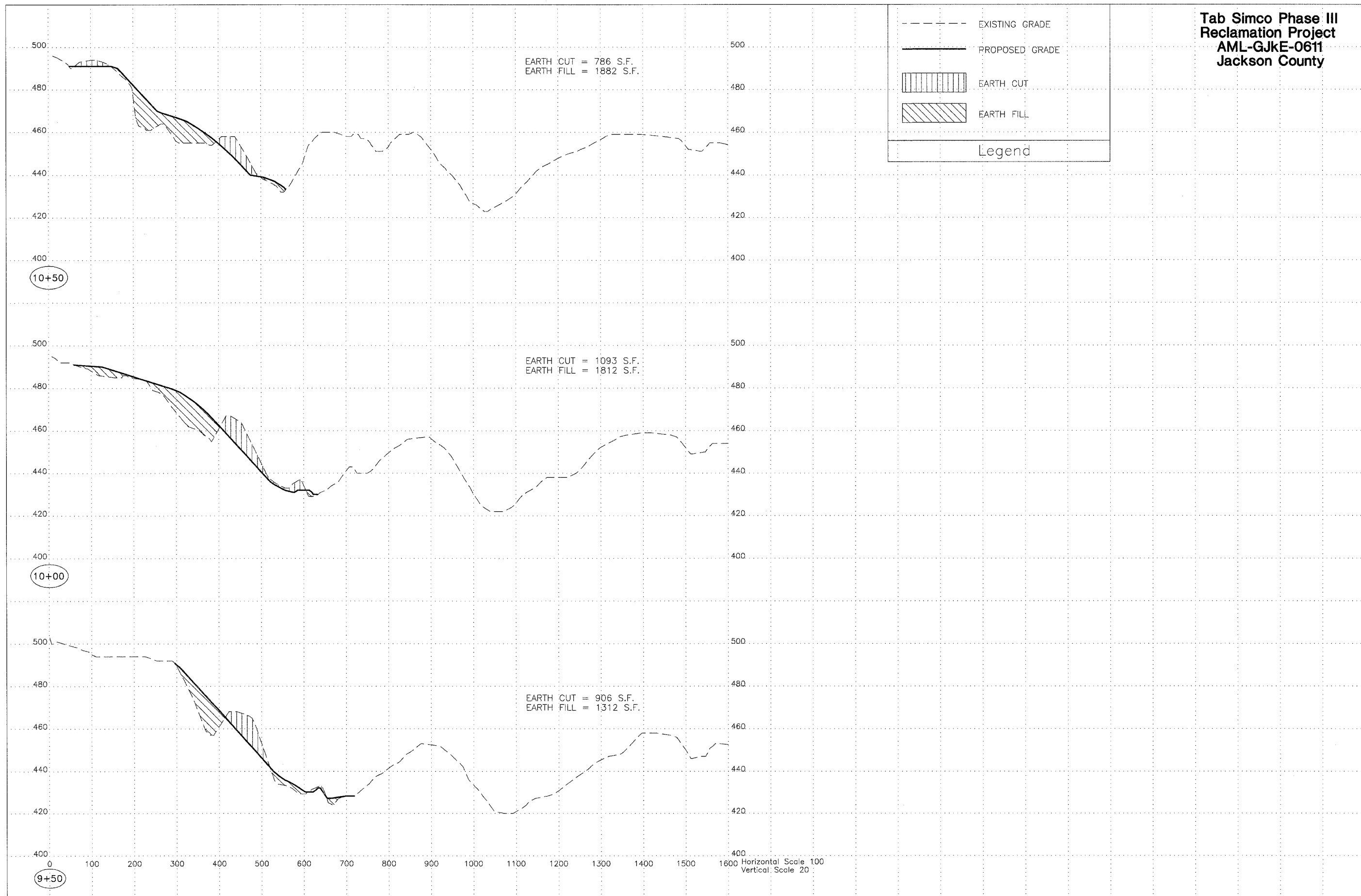
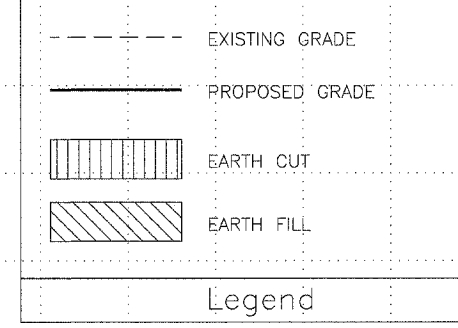


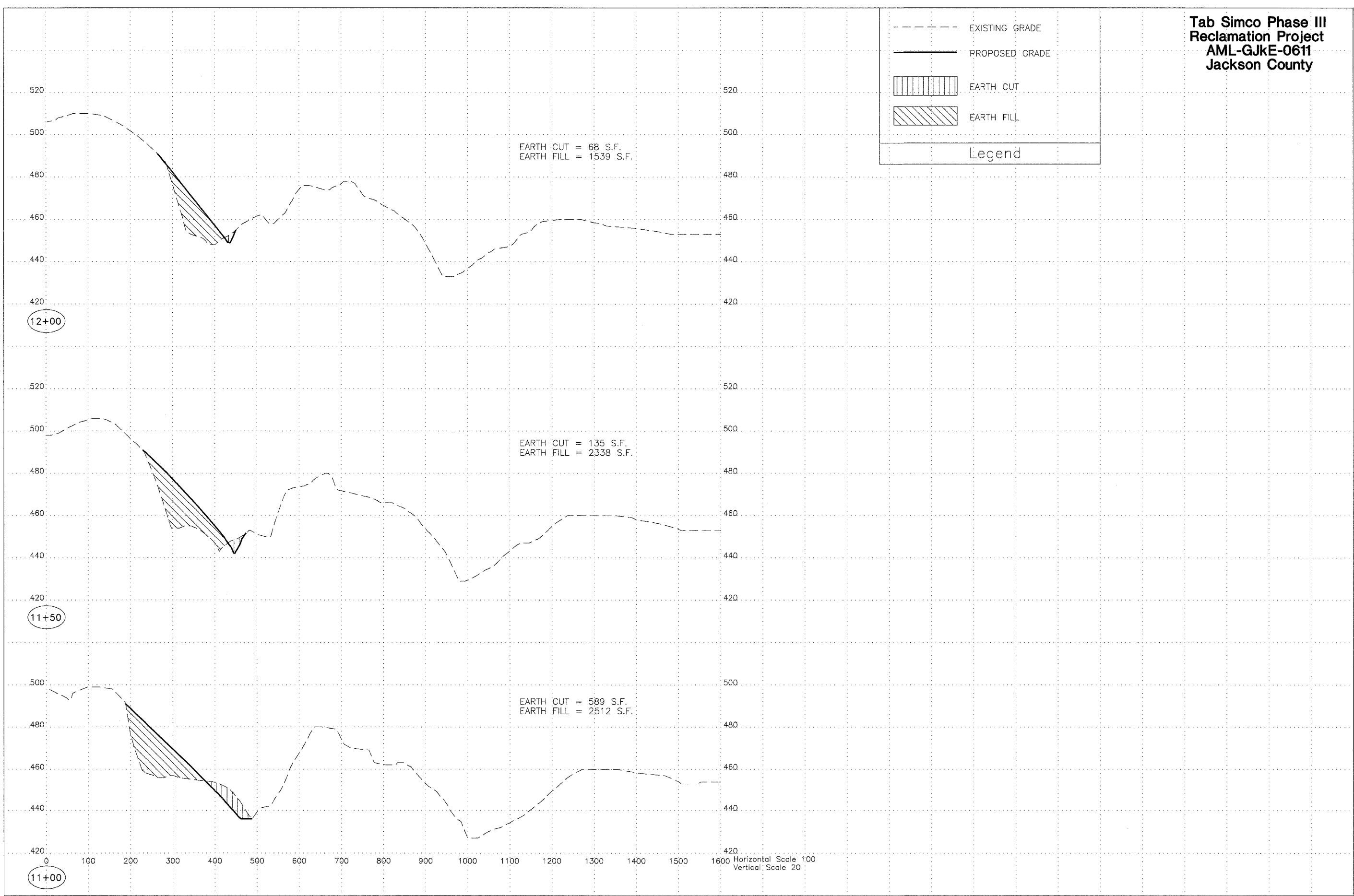
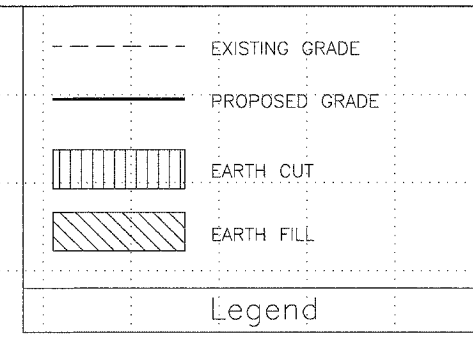


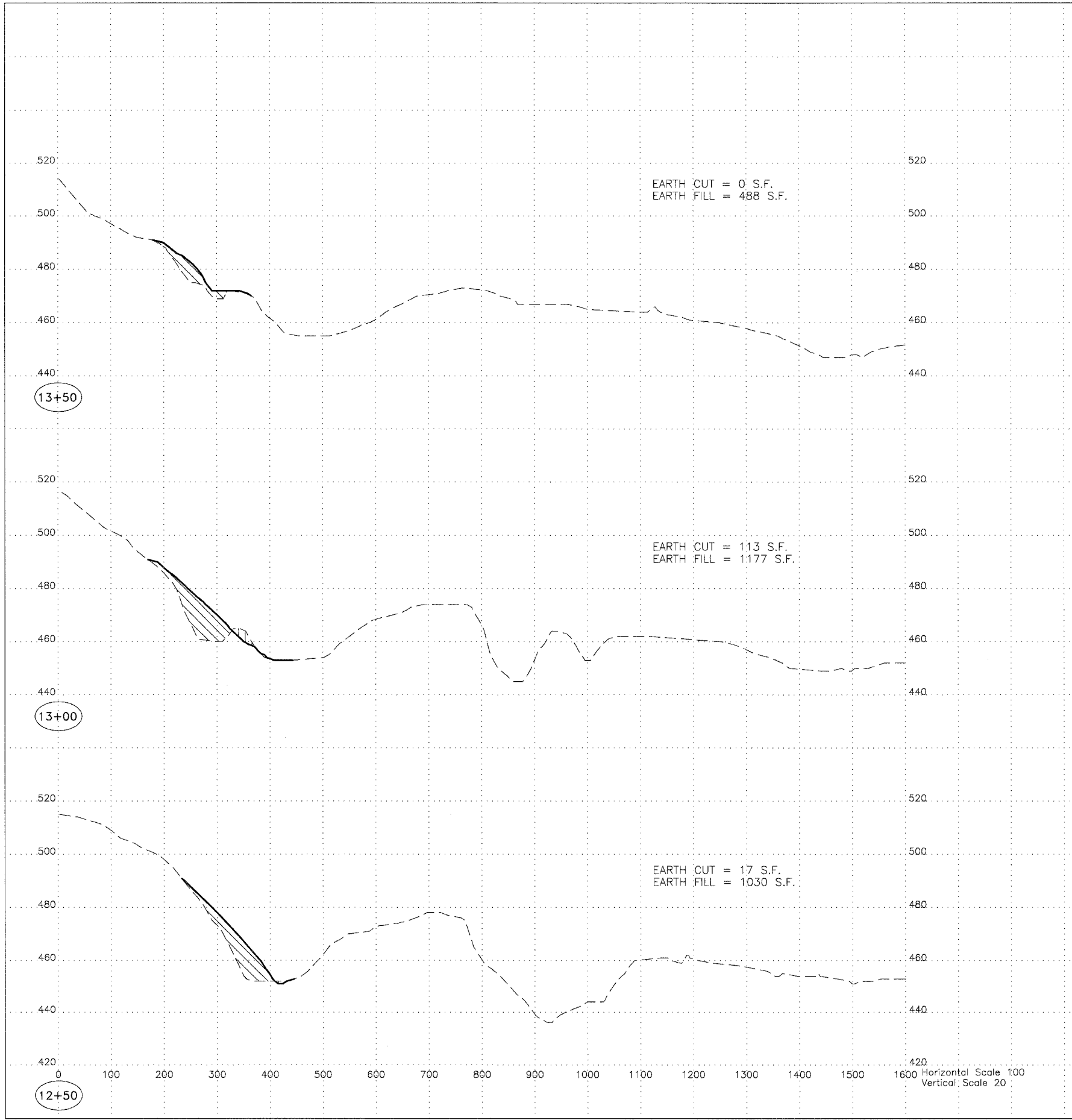
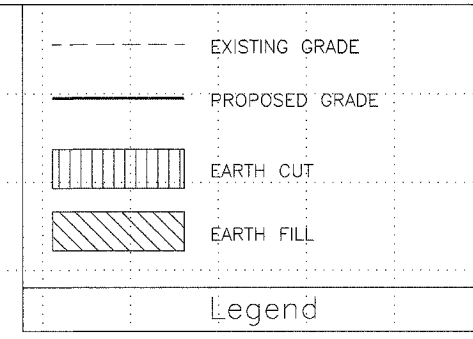


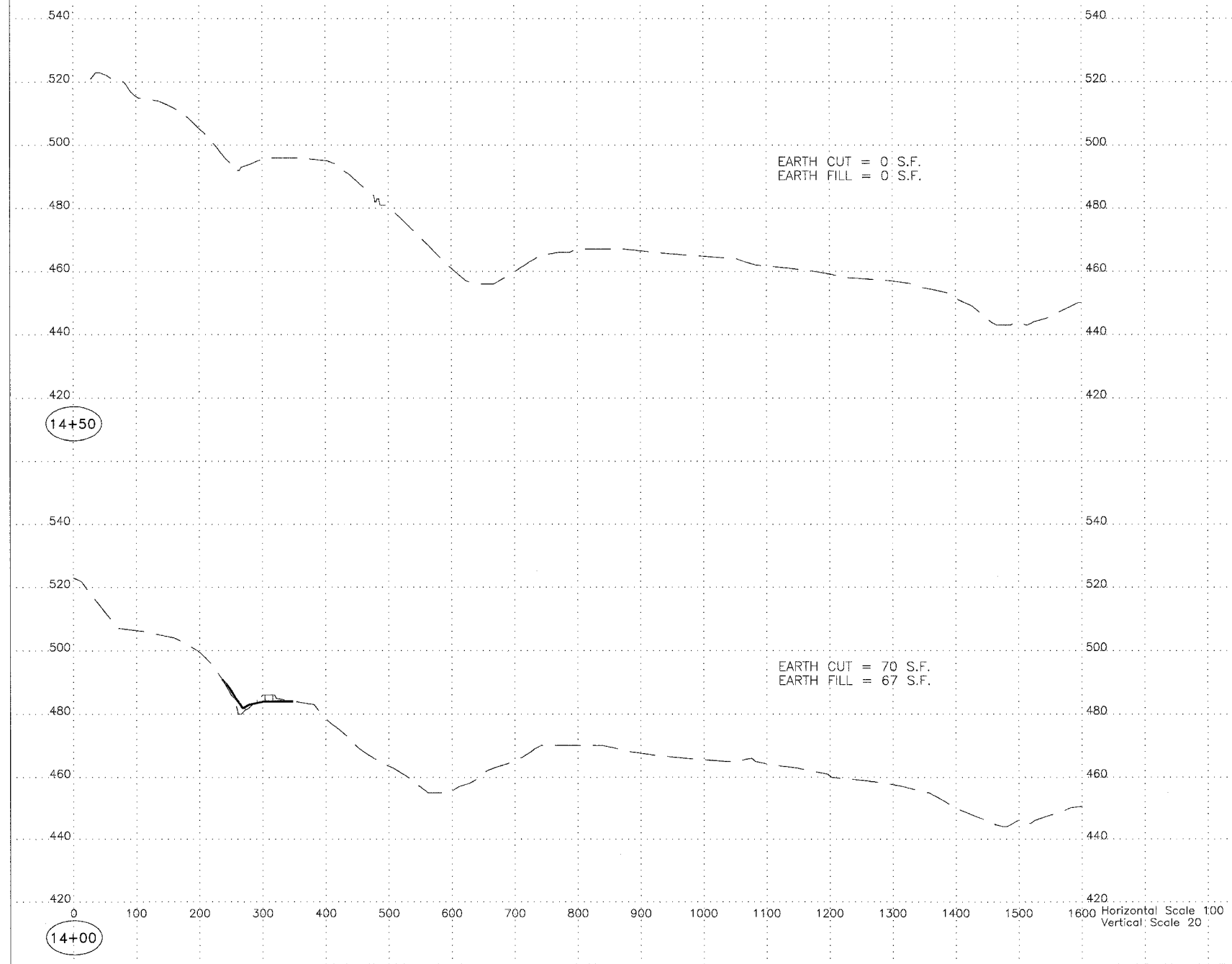
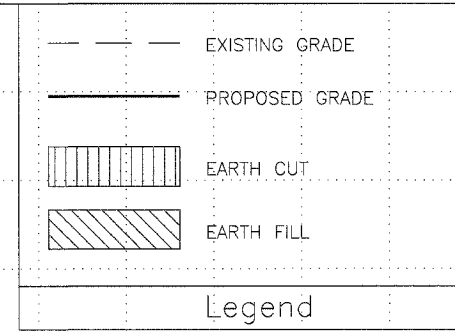
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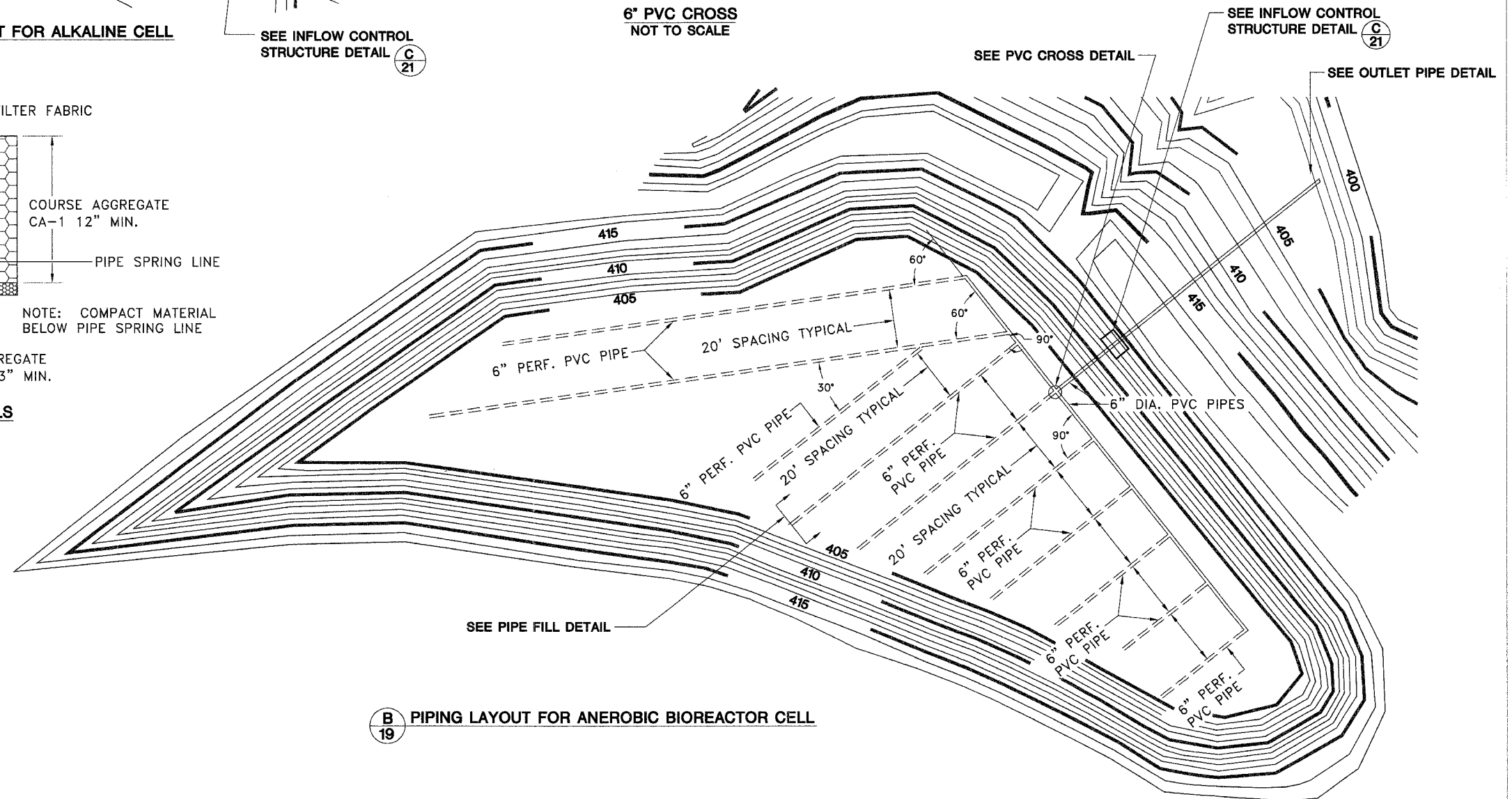
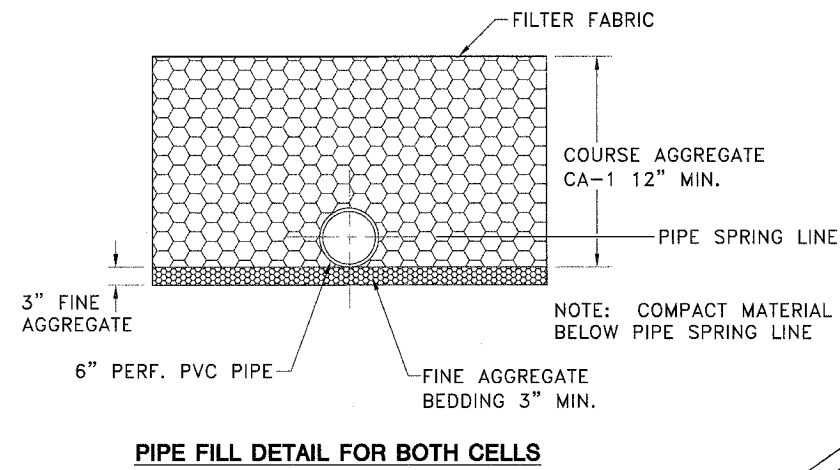
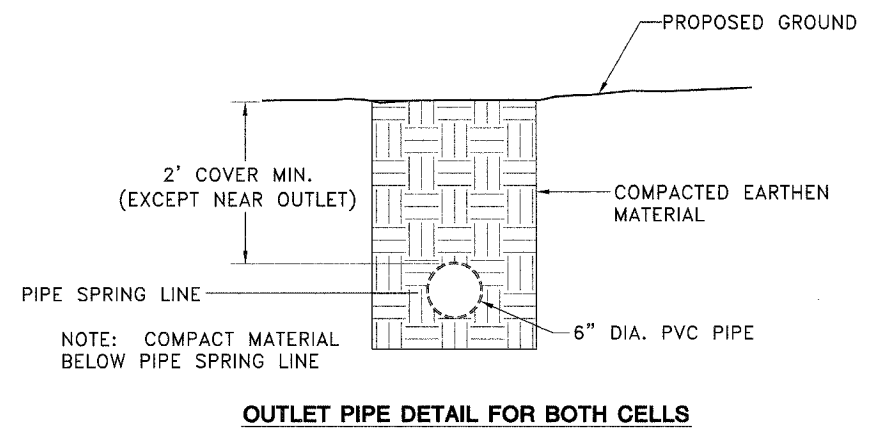
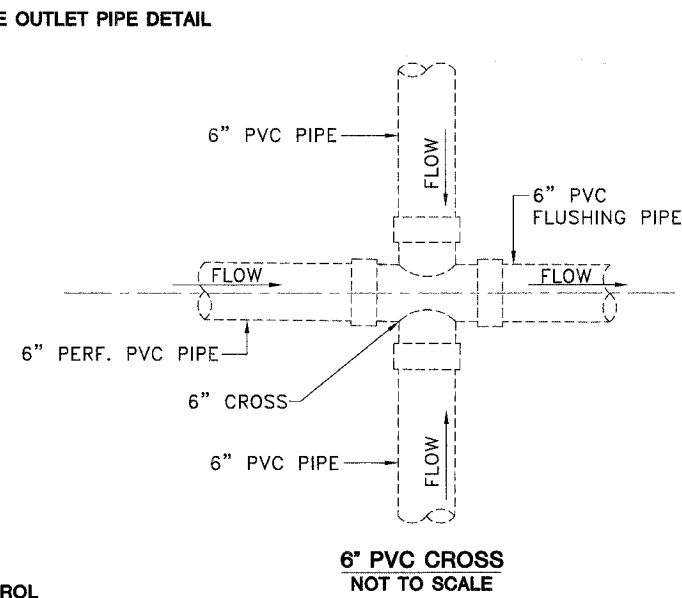
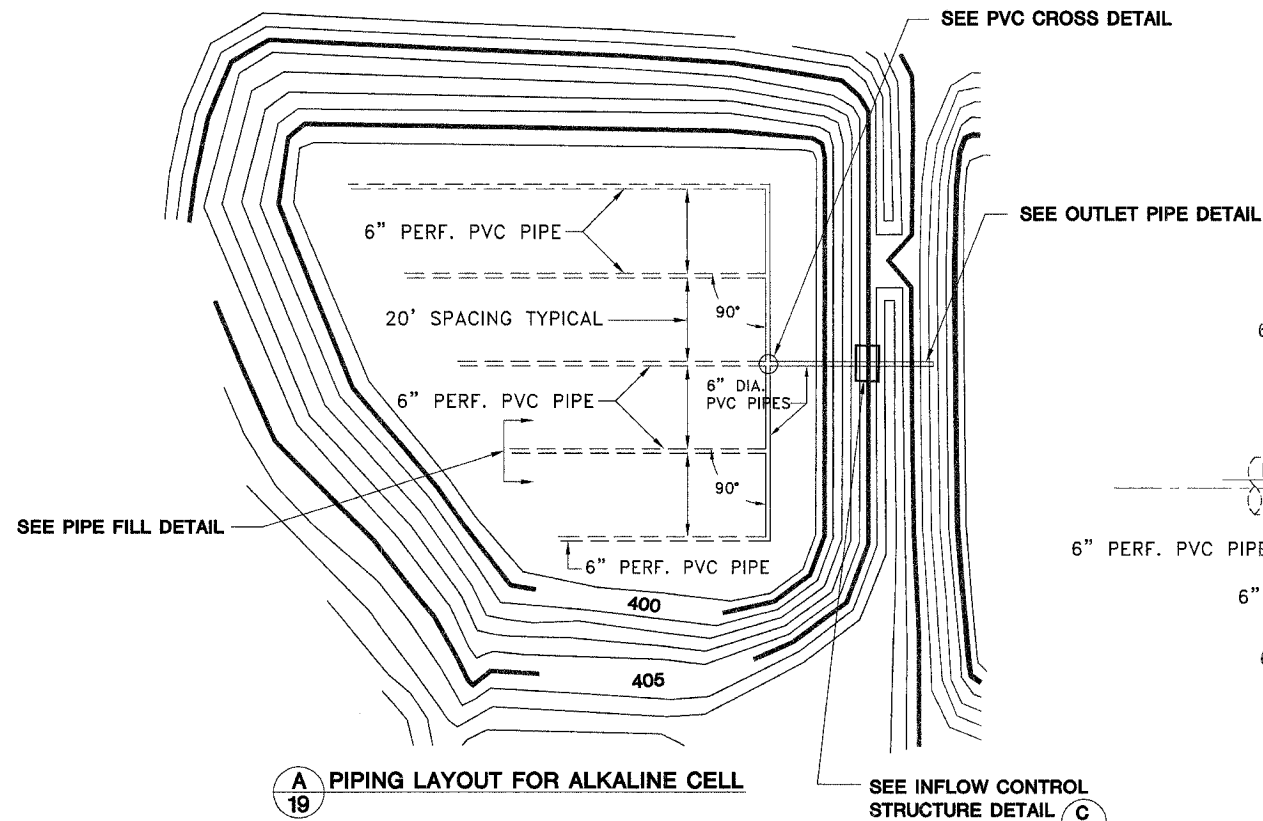


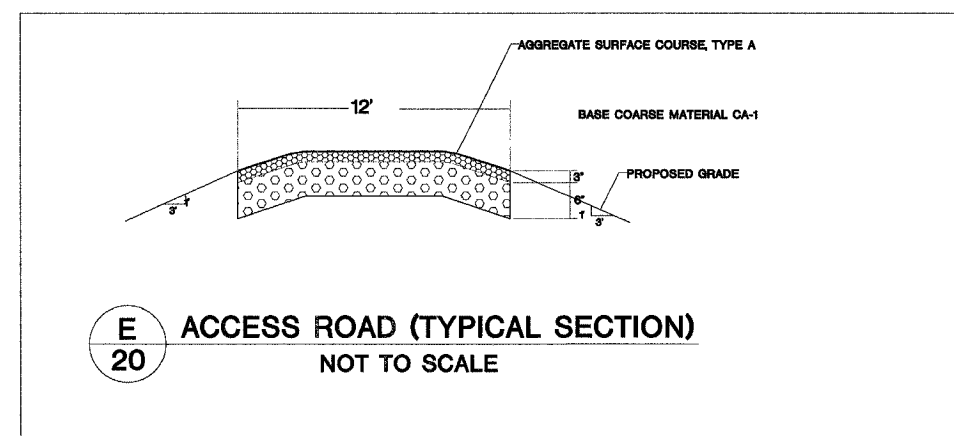
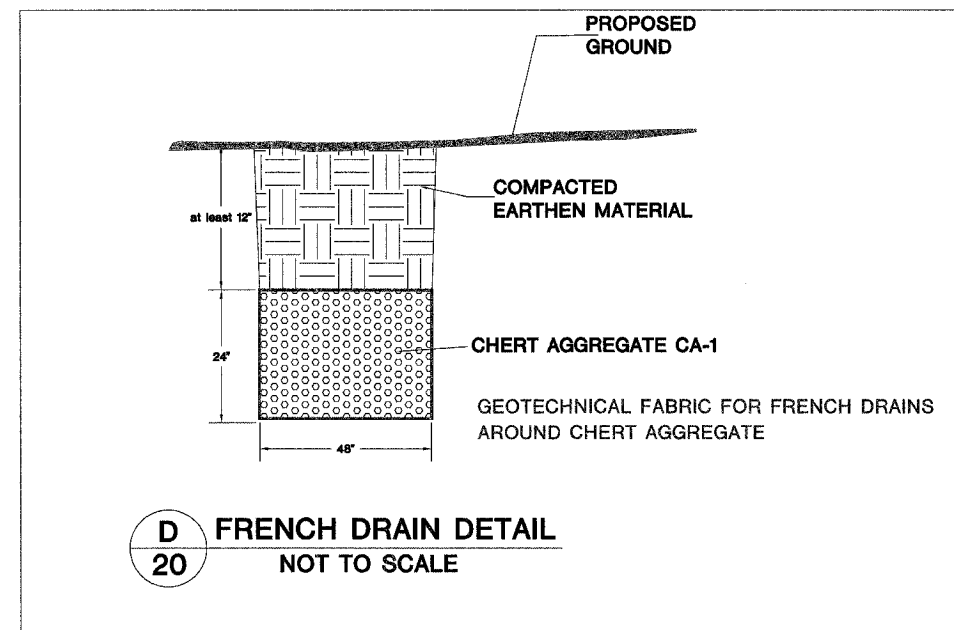
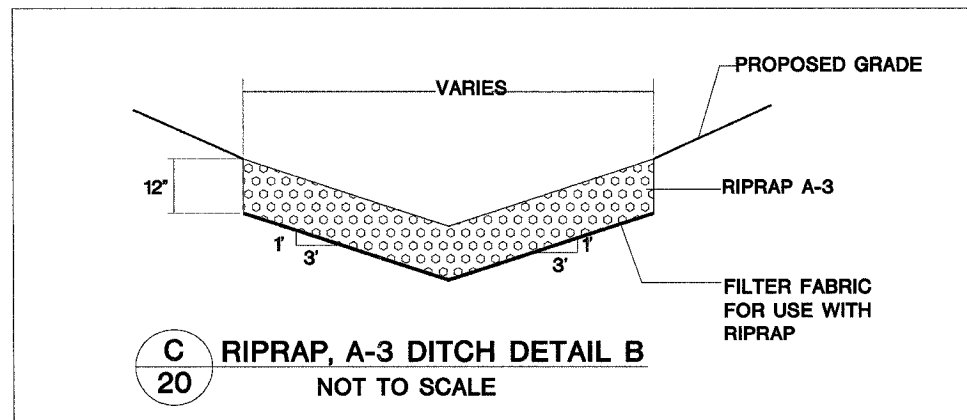
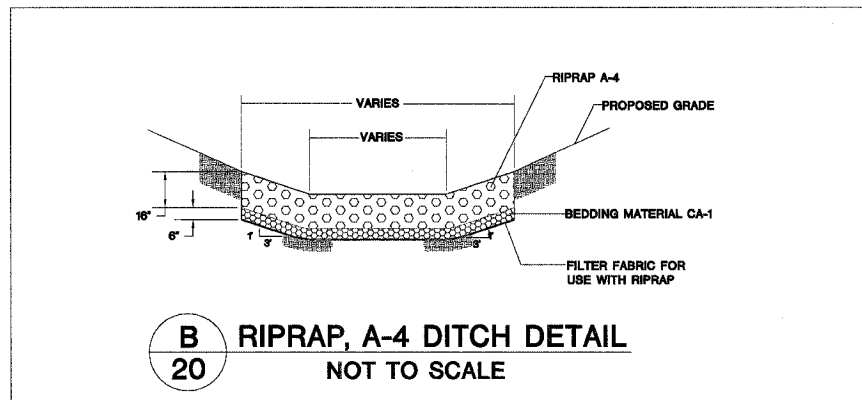
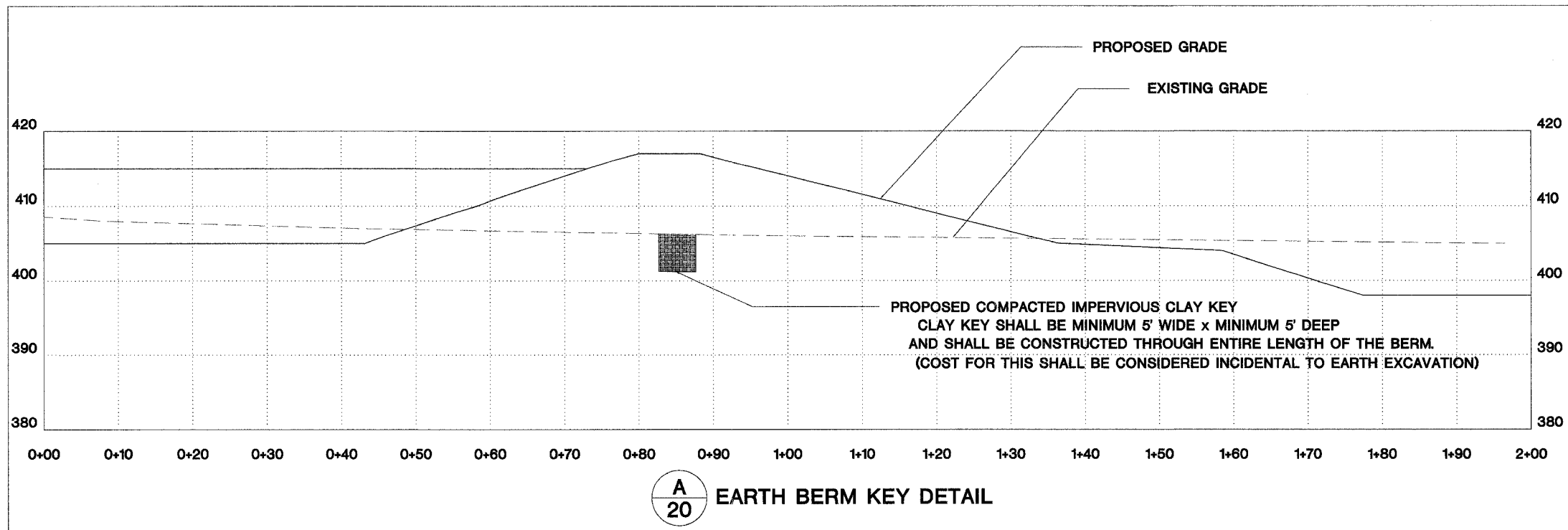




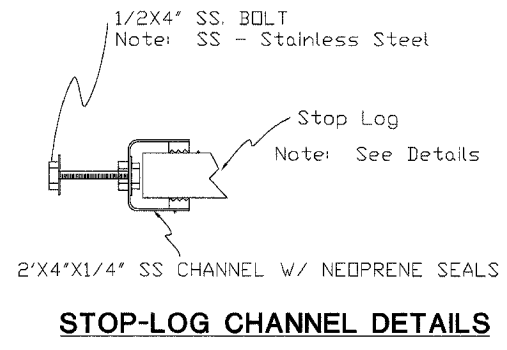




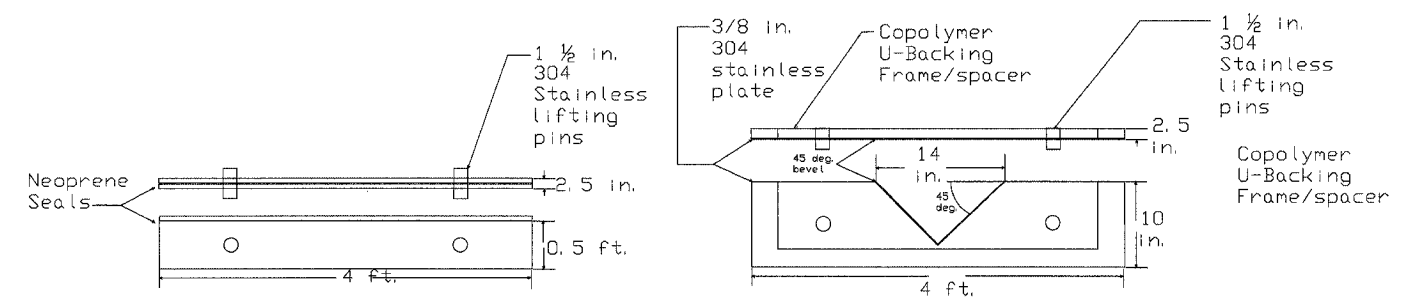




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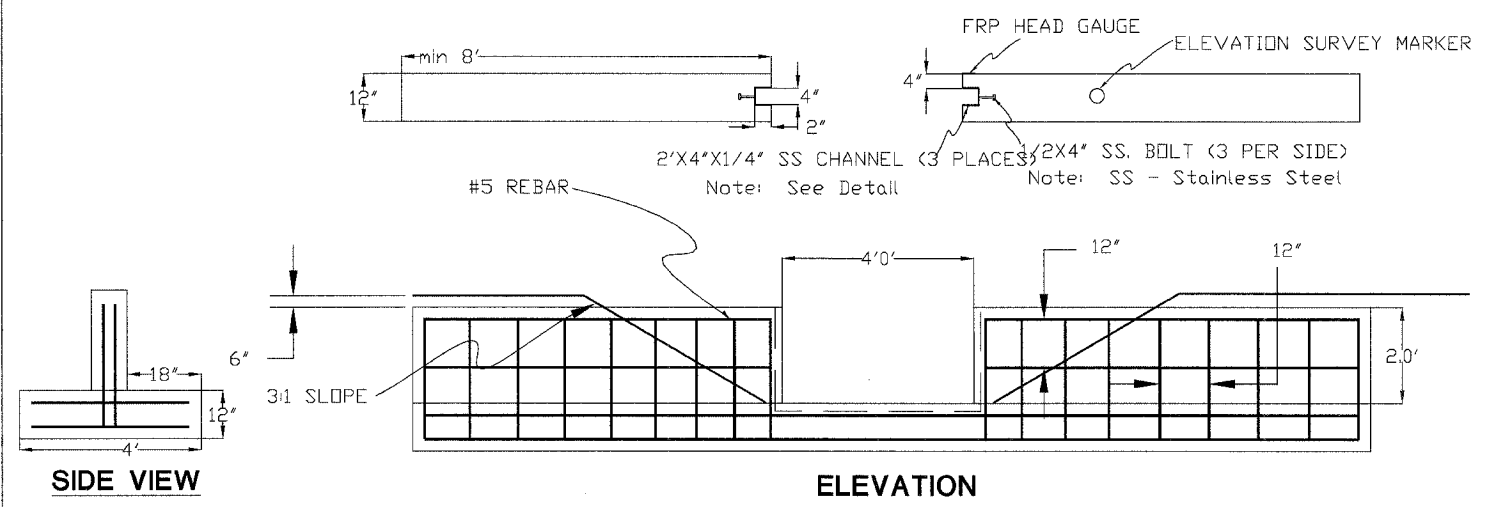


STOP-LOG CHANNEL DETAILS

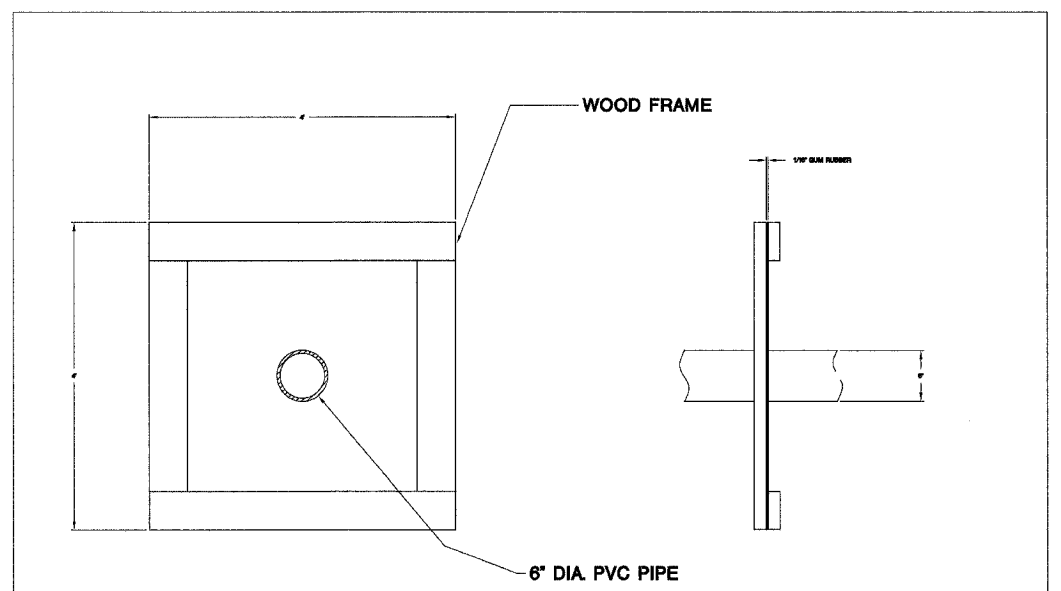


COPOLYMER STOP LOG DETAILS

WIER PLATE DETAILS



A
21 **WETLANDS STOP-LOG STRUCTURE DETAIL**
NOT TO SCALE

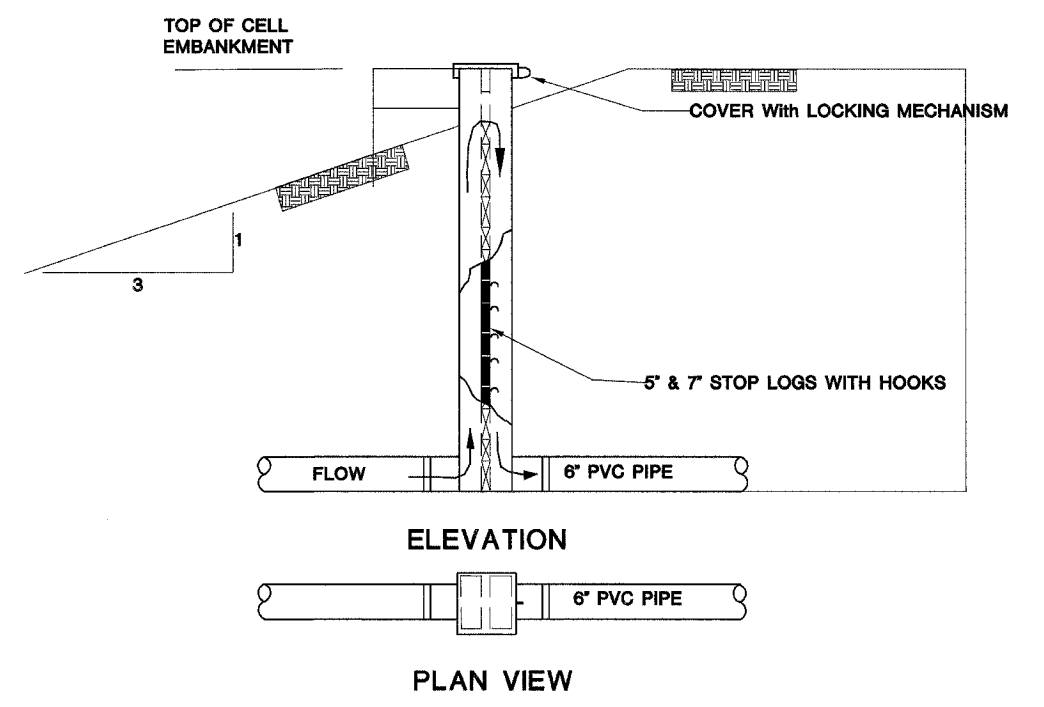


B
21 **ANTI-SEEP COLLAR (ASC) TYPICAL**

NOTES:

- Contractor Shall Exercise Careful Backfilling Techniques During the Installation of the Structures.
- Contractor Shall Install the Structures According to Manufacturer's Recommendations.

NOTE:
Anti-Seep Collar and Inflow structures are to be Agradrain Corp. or Approved Equal.

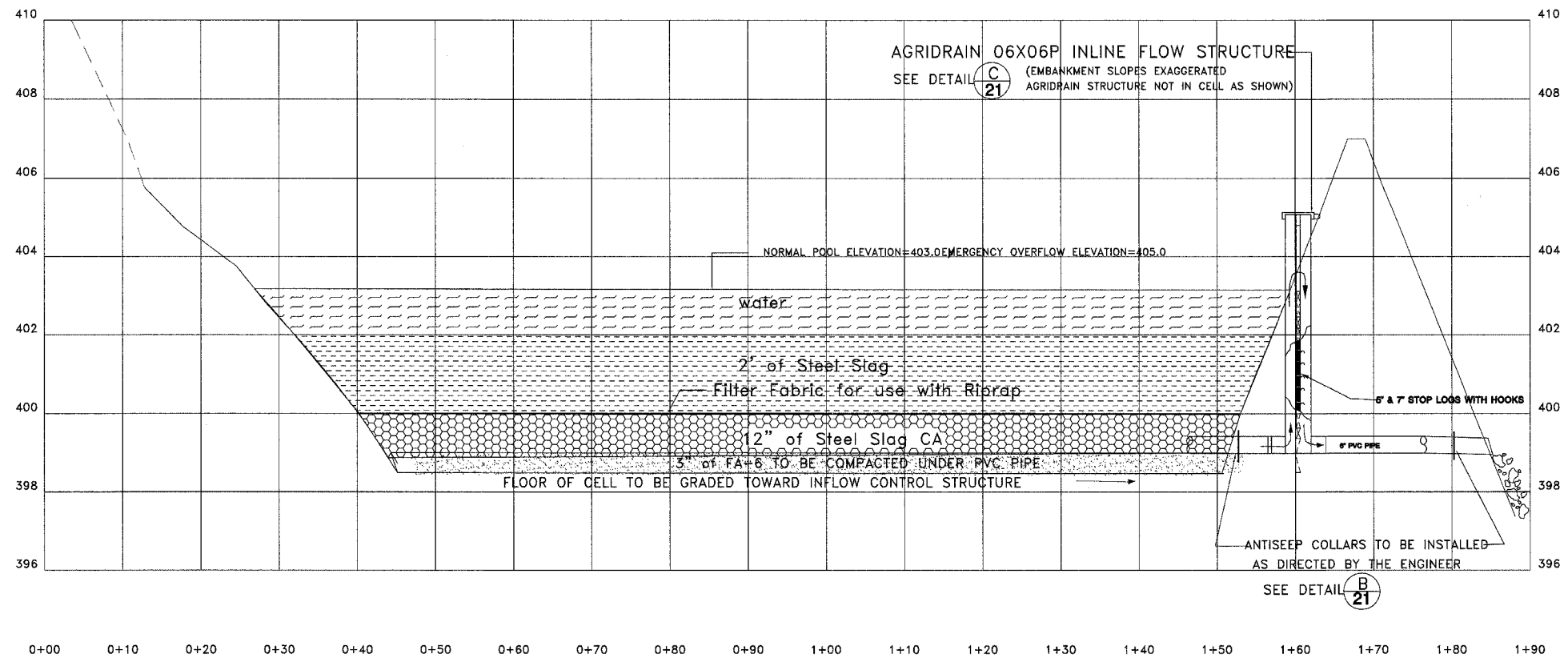


C
21 **INLINE FLOW CONTROL STRUCTURES FOR ANEROBIC BIOREACTOR CELL AND ALKALINE CELL**

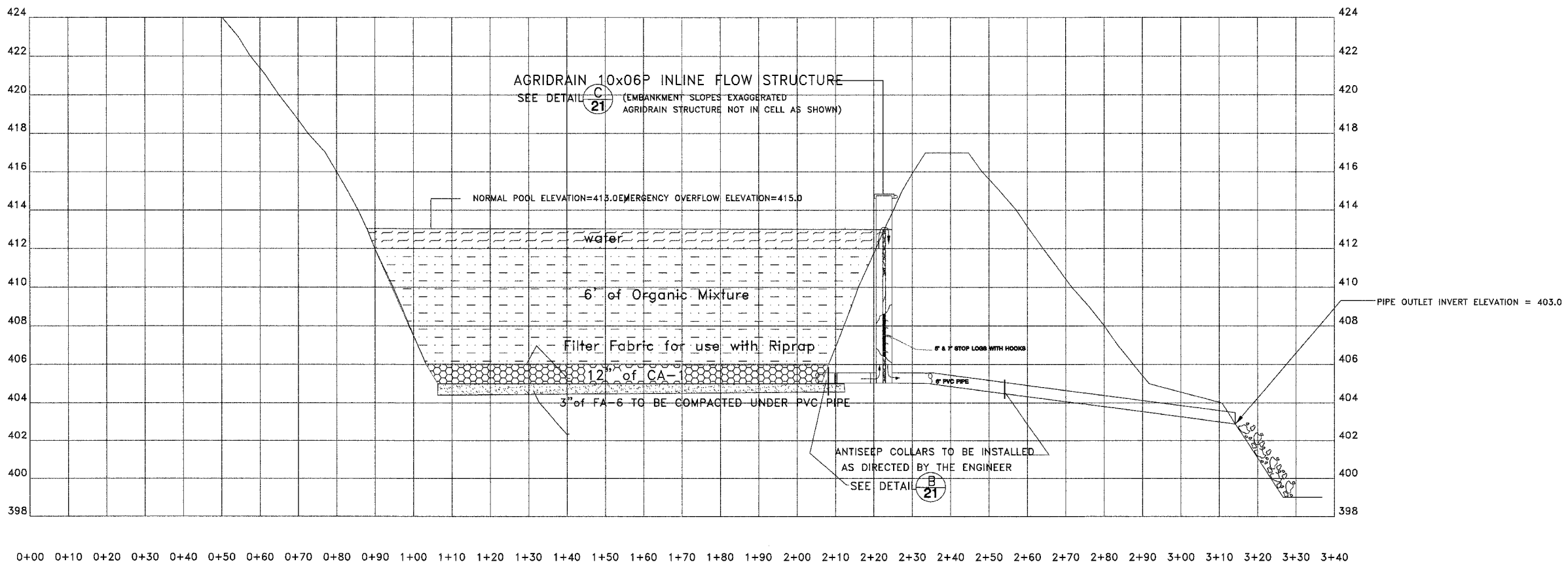
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A
22 PROFILE THROUGH ALKALINE CELL



B
22 TYPICAL SECTION THROUGH ANEROBIC BIOREACTOR CELL