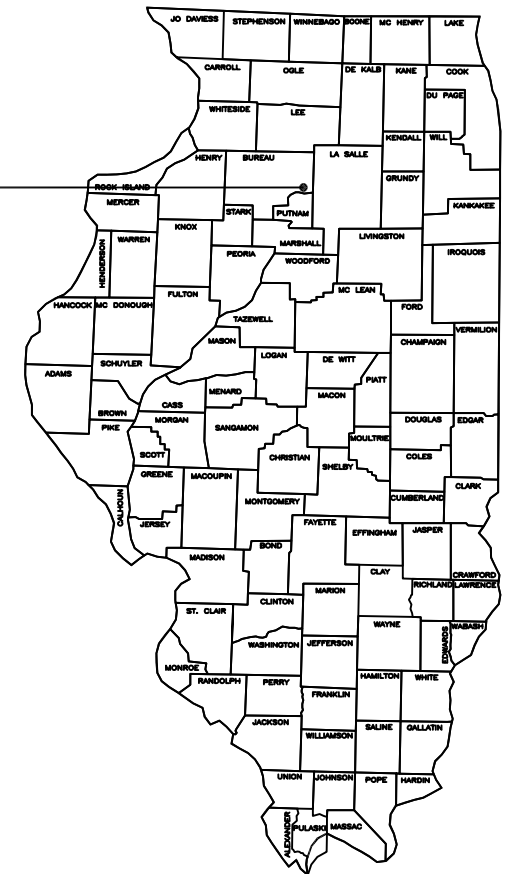


State of Illinois
Department of Natural Resources
Office of Mines and Minerals
Division of Abandoned Mined Lands

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

Spring Valley No. 1
 Reclamation Project
 AML-GBuE-1201
 Bureau County
 1LR

Spring Valley No. 1
 Bureau County



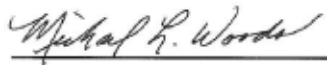
Certified Copy


Pre-Bid Meeting:
 A pre-bid meeting for this project will be held, at the site, on
 June 8, 2012 at 10:00 A.M.

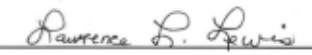
SCHEDULE OF DRAWINGS:


1. Cover Sheet
2. Summary of Quantities/General Notes/Location Map
- 3-4. Existing and Proposed Conditions - Spring Valley No. 1 Mine
- 5-11. Cross-Sections - Spring Valley No. 1 Mine
12. Details - Spring Valley No. 1 Mine
13. Tree Planting Plan - Deer Park

Prepared By IDNR Staff

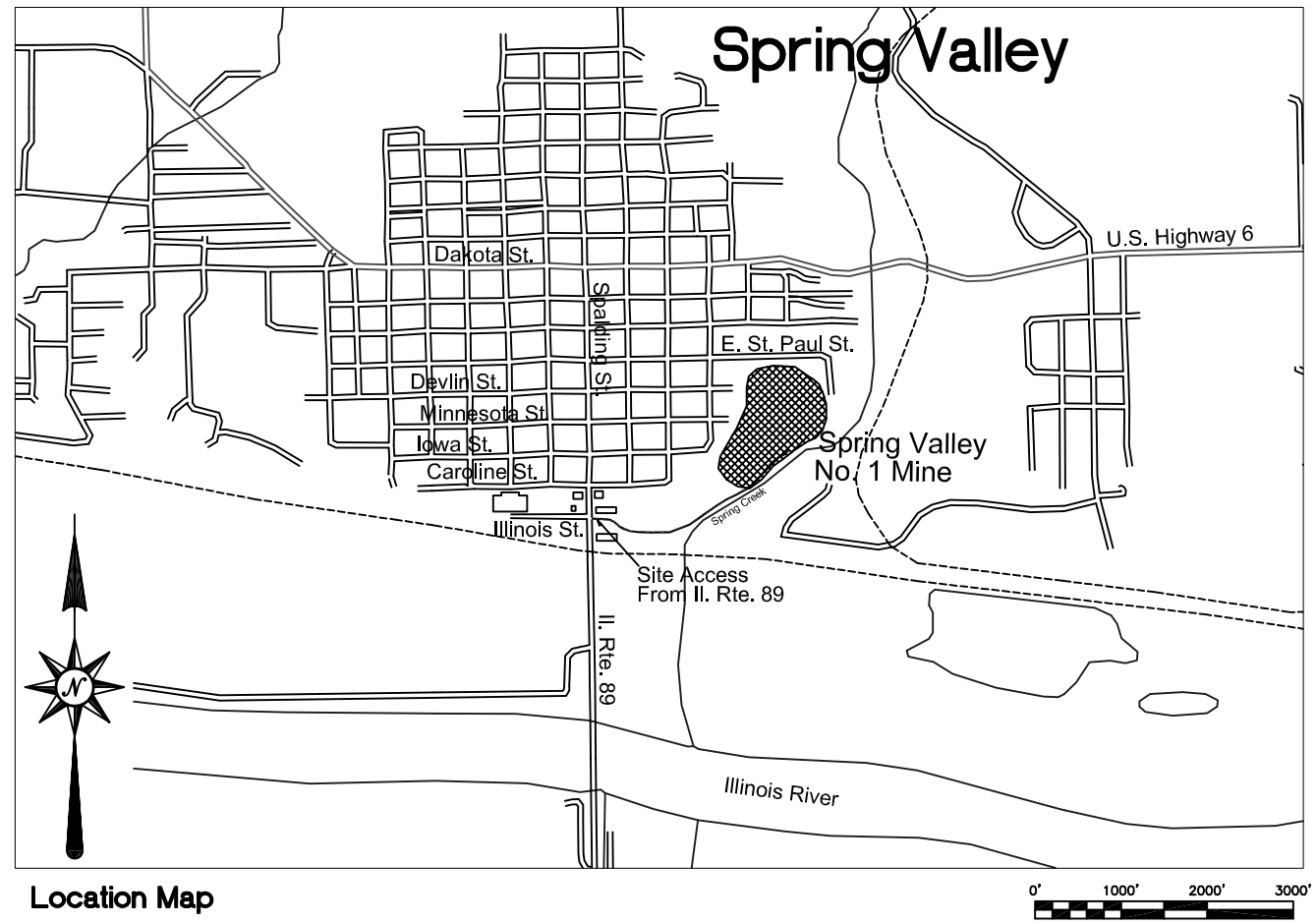
Approved for Bidding:

 Michael L. Woods, Acting Director
 Office of Mines and Minerals

Approved By:

 Greg Pinto, Acting 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.
2	Earth Excavation	202	22,977	C.Y. Compaction in Accordance with 205
3	Mine Refuse Excavation	202	17,559	C.Y. Compaction in Accordance with 205
4	Special Excavation	214	86	C.Y.
5	CA-6 Fill	216	202	Ton
6	Seeding	250	10.8	Acre See Schedule - This Sheet
7	Nitrogen Fertilizer Nutrient	IDOT 250	2,592	Pound See Schedule - This Sheet
8	Phosphorous Fertilizer Nutrient	IDOT 250	3,240	Pound See Schedule - This Sheet
9	Potassium Fertilizer Nutrient	IDOT 250	5,400	Pound See Schedule - This Sheet
10	Agricultural Ground Limestone	IDOT 250	21.6	Ton See Schedule - This Sheet
11	Mulch, Method 2, Procedure 1	IDOT 251	10.8	Acre See Schedule - This Sheet
12	Erosion Control Blanket	IDOT 251	2,309	S.Y.
13	Trees - Red Oak, 1.5" B&B	IDOT 253	9	Each At Deer Park Site
14	Trees - Burr Oak, 1.5" B&B	IDOT 253	3	Each At Deer Park Site
15	Trees - Chinkapin Oak, 1.5" B&B	IDOT 253	3	Each At Deer Park Site
16	Trees - Pin Oak, 1.5" B&B	IDOT 253	5	Each At Deer Park Site
17	Trees - Norway Maple, 1.5" B&B	IDOT 253	10	Each At Deer Park Site
18	Trees - Sugar Maple, 1.5" B&B	IDOT 253	6	Each At Deer Park Site
19	Trees - River Birch, 1.5" B&B	IDOT 253	4	Each At Deer Park Site
20	Trees - American Planetree, 1.5" B&B	IDOT 253	2	Each At Deer Park Site
21	Mine Refuse Treatment - Limestone	255	216	Ton 20 Tons/Acre
22	Mowing	258	10.8	Acre
23	Perimeter Erosion Barrier - Silt Fence	IDOT 280	1,400	Foot
24	Stone RipRap A-4	IDOT 281	650	S.Y.
25	Stone RipRap A-5	IDOT 281	733	S.Y.
26	Stone Dumped RipRap A-4	IDOT 281	40	Ton
27	Filter Fabric for use w/Riprap	IDOT 282	1,383	S.Y.
28	Aggregate Surface Course, Type B, CA-6	IDOT 402	158	Ton
29	Pipe Culvert 30" Corrugated Steel Culvert Pipe, Type 1	IDOT 542	66	Foot
30	Pipe Culvert 36" Corrugated Steel Culvert Pipe, Type 1	IDOT 542	60	Foot
31	6" Pipe Underdrain, Type 3, Perforated	IDOT 601	686	Foot Perforated Corrugated Polyethylene (PE) Pipe with Smooth Interior and with Fabric Envelope
32	6" Pipe Underdrain, Type 3	IDOT 601	105	Foot Corrugated Polyethylene (PE) Pipe with Smooth Interior
33	Mine Opening Marker	666	1	Each
34	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.

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. Treated areas shall then be covered with 15 inches of soil.

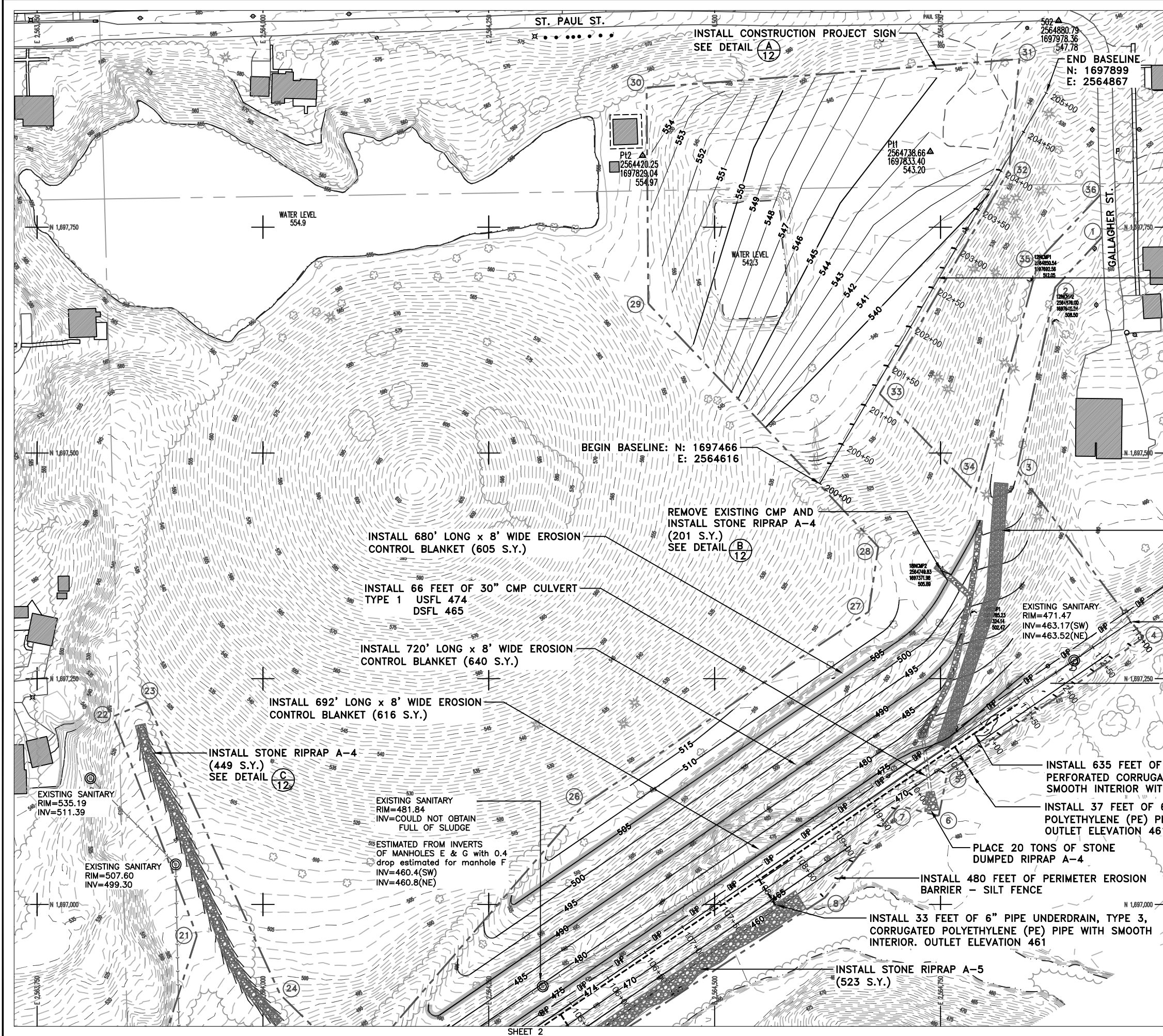
Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing				
ITEM (unit)	Aug. 1, 2012 - Oct. 15, 2012	April 1, 2013 - May 1, 2013	May 1, 2013 - June 1, 2013	TOTAL QUANTITY
SEEDING (acres)	10.8 Acres			10.8 Acres
AGRICULTURAL GROUND LIMESTONE (tons)	21.6 Tons 2 Tons/Acre			21.6 Tons 2 Tons/Acre
NITROGEN FERTILIZER NUTRIENT (pounds)	1,296 Pounds 120 Pounds/Acre		1,296 Pounds 120 Pounds/Acre	2,592 Pounds
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	1,620 Pounds 150 Pounds/Acre		1,620 Pounds 150 Pounds/Acre	3,240 Pounds
POTASSIUM FERTILIZER NUTRIENT (pounds)	2,700 Pounds 250 Pounds/Acre		2,700 Pounds 250 Pounds/Acre	5,400 Pounds
MULCH, METHOD 2 PROCEDURE 1 (acres)	10.8 Acres 2 Tons/Acre			10.8 Acres
MOWING (acres)		10.8 Acres		10.8 Acres

State of Illinois
Department of Natural Resources

Spring Valley No. 1
Reclamation Project
AML-GBUE-1201
Bureau County

Date: _____
Drawn By: _____
Checked By: _____

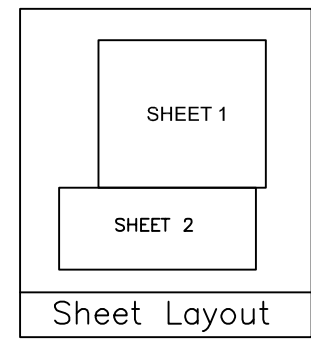
Summary of Quantities/
General Notes/Location Map
Sheet
2 of 13



- - - 400 - - - EXISTING CONTOUR
 ——— 400 ——— PROPOSED CONTOUR
 ——— OP ——— EXISTING OVERHEAD POWER
 ——— ——— EXISTING SEWER LINE
 - - - - - CONSTRUCTION LIMITS
 ——— ——— EDGE OF ROAD
 ~~~~~ TREELINE  
 - - - - - EDGE OF WATER  
 ▲ SURVEY CONTROL POINT

Legend

INSTALL 420 FEET OF PERIMETER EROSION BARRIER – SILT FENCE



CONSTRUCT A NEW SITE ENTRANCE UTILIZING 158 TONS OF AGGREGATE SURFACE COURSE TYPE B, CA-6, APPROXIMATELY 15' WIDE x 300' LONG x 6" THICK

END BASELINE: N: 1697313  
E: 2564960

REMOVE APPROXIMATELY 100' OF AB 18" HD POLYETHYLENE PIPE AND STORE ON SITE AS DIRECTED BY PROJECT ENGINEER, ALL COSTS ASSOCIATED WITH REMOVAL OF PIPE TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.

INSTALL 635 FEET OF 6" PIPE UNDERDRAIN, TYPE 3, PERFORATED CORRUGATED POLYETHYLENE (PE) PIPE WITH SMOOTH INTERIOR WITH FABRIC ENVELOPE AT ELEVATION 462

INSTALL 37 FEET OF 6" PIPE UNDERDRAIN, TYPE 3, CORRUGATED POLYETHYLENE (PE) PIPE WITH SMOOTH INTERIOR. OUTLET ELEVATION 461

PLACE 20 TONS OF STONE DUMPED RIPRAP A-4

INSTALL 480 FEET OF PERIMETER EROSION BARRIER – SILT FENCE

INSTALL 33 FEET OF 6" PIPE UNDERDRAIN, TYPE 3, CORRUGATED POLYETHYLENE (PE) PIPE WITH SMOOTH INTERIOR. OUTLET ELEVATION 461

INSTALL STONE RIPRAP A-5 (523 S.Y.)

Spring Valley No. 1

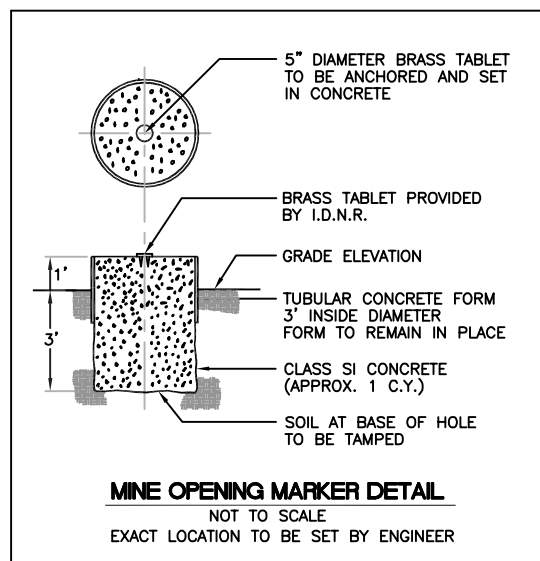
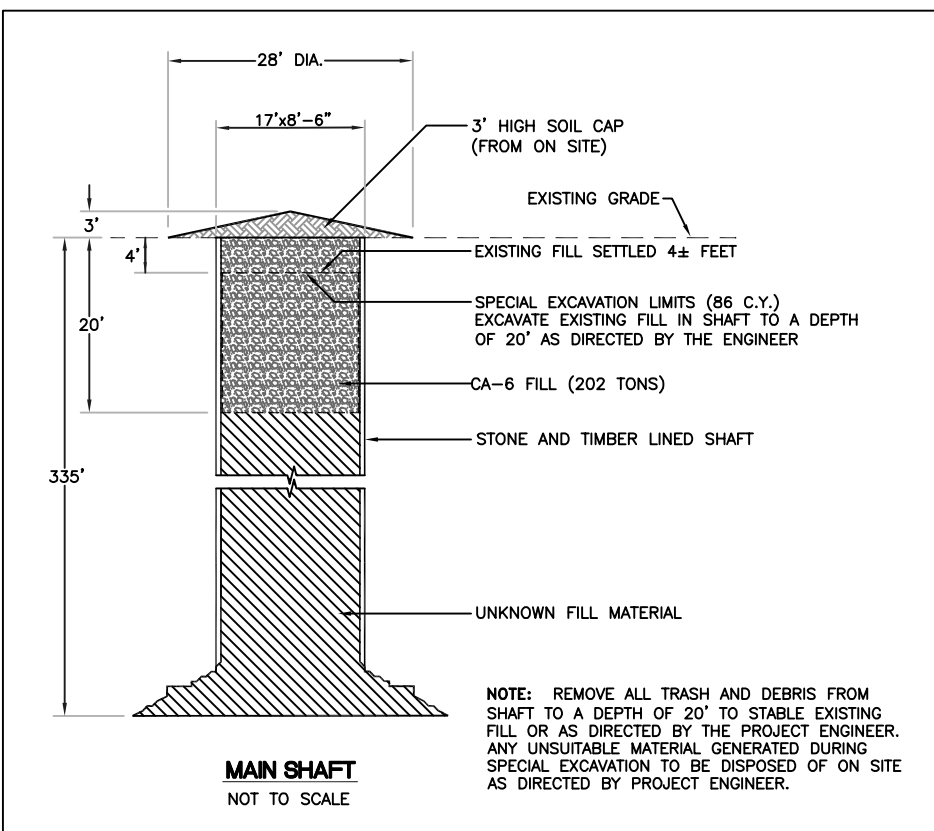
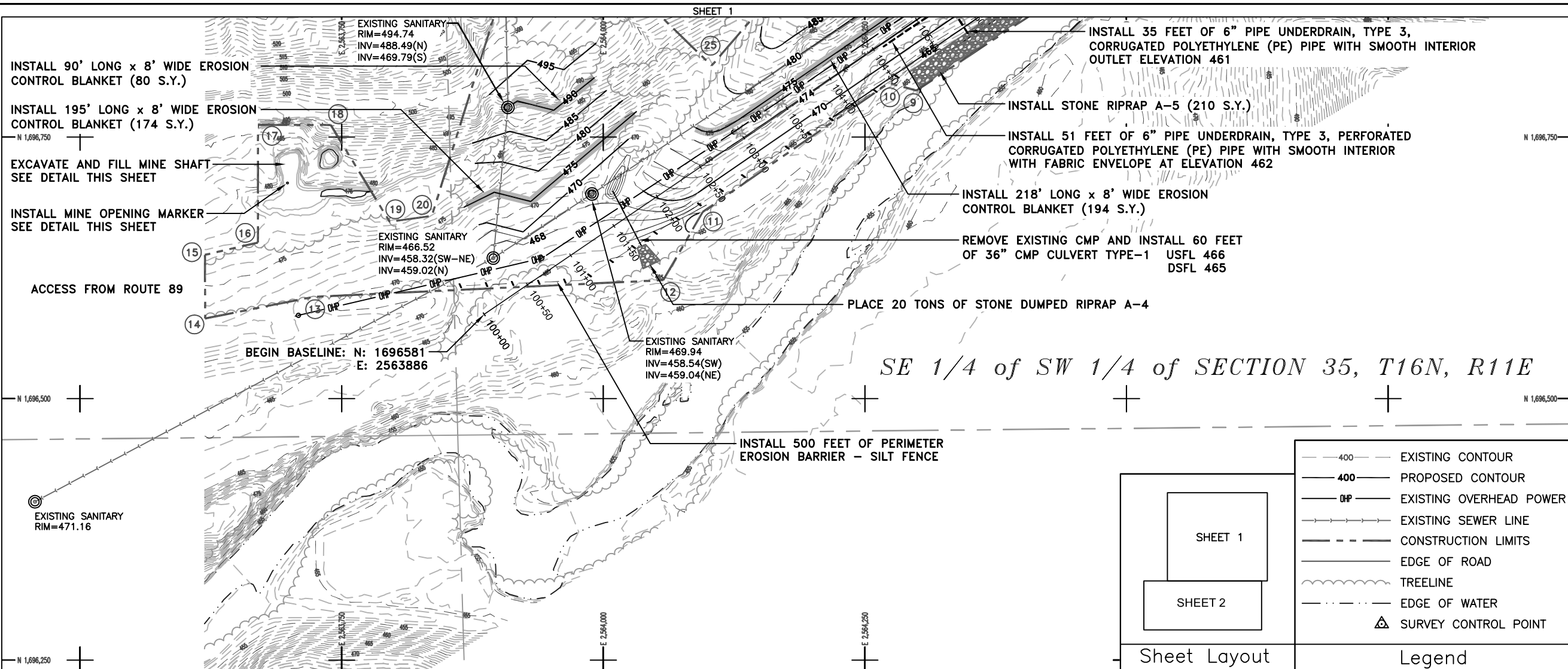
SCALE IN FEET

State of Illinois  
Department of Natural Resources

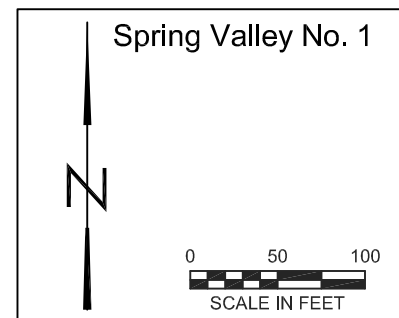
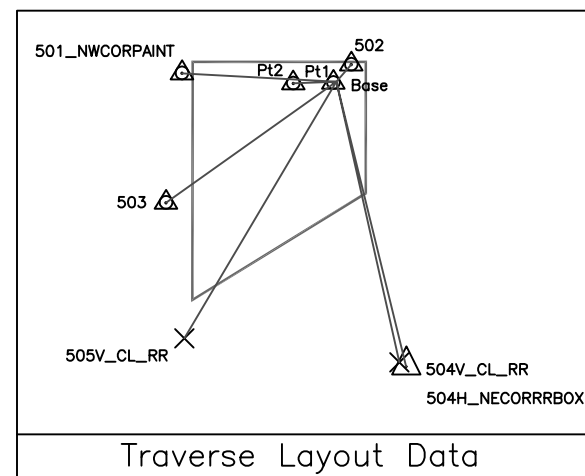
Spring Valley No. 1  
Reclamation Project  
AML-GBuE-1201  
Bureau County

Drawn By: V.P., M-LF  
Checked By: \_\_\_\_\_  
Date: 5/9/2012

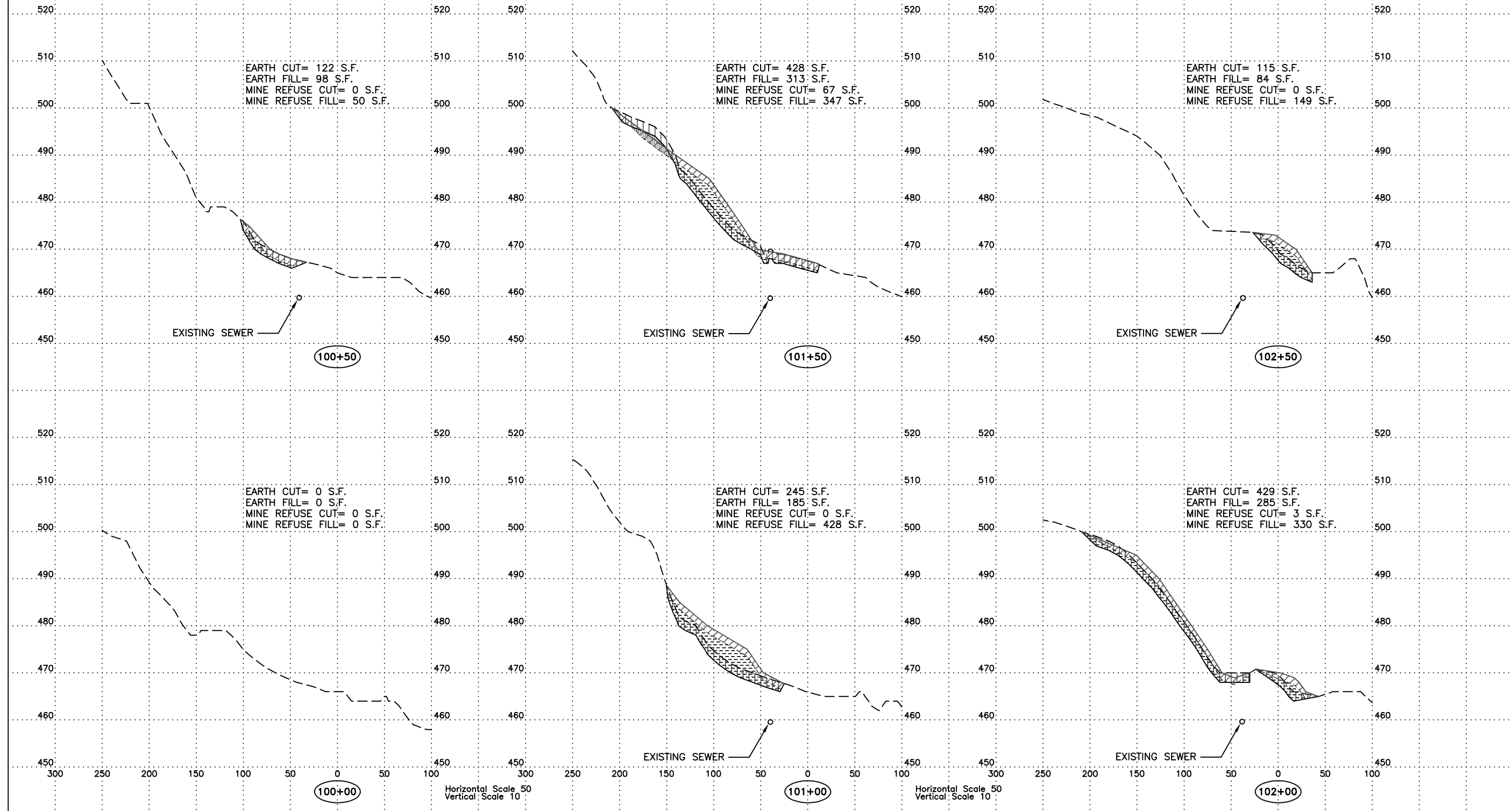
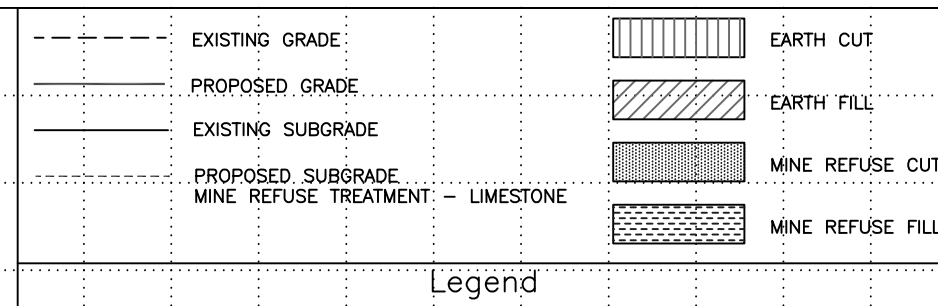
Existing & Proposed  
Conditions  
Sheet  
3 of 13



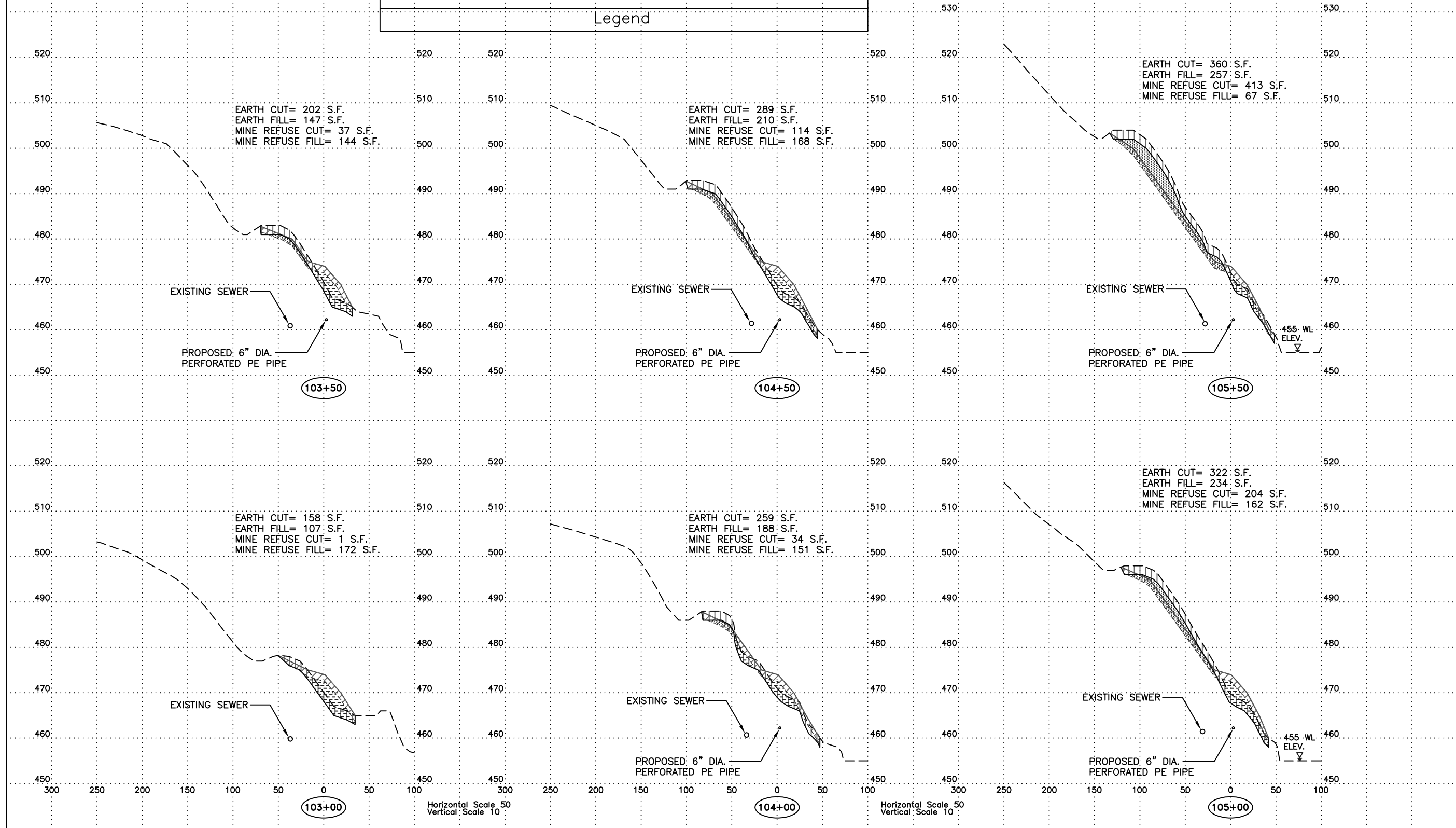
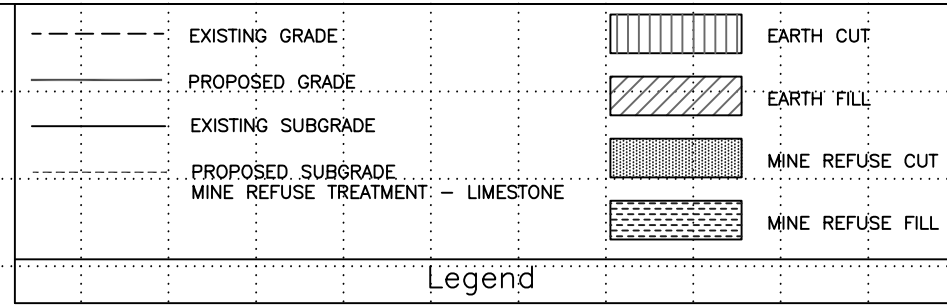
**NOTE:** DUE TO THE UNKNOWN CONDITIONS THAT EXIST IN AND AROUND THE SHAFT, THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN PERFORMING WORK NEAR THE SHAFT. THE ENGINEER RESERVES THE RIGHT TO INCREASE OR DECREASE THE QUANTITY FOR SPECIAL EXCAVATION AND BACKFILLING MATERIALS AS DETERMINED BY THE EXACT CONDITIONS ENCOUNTERED DURING SPECIAL EXCAVATION.

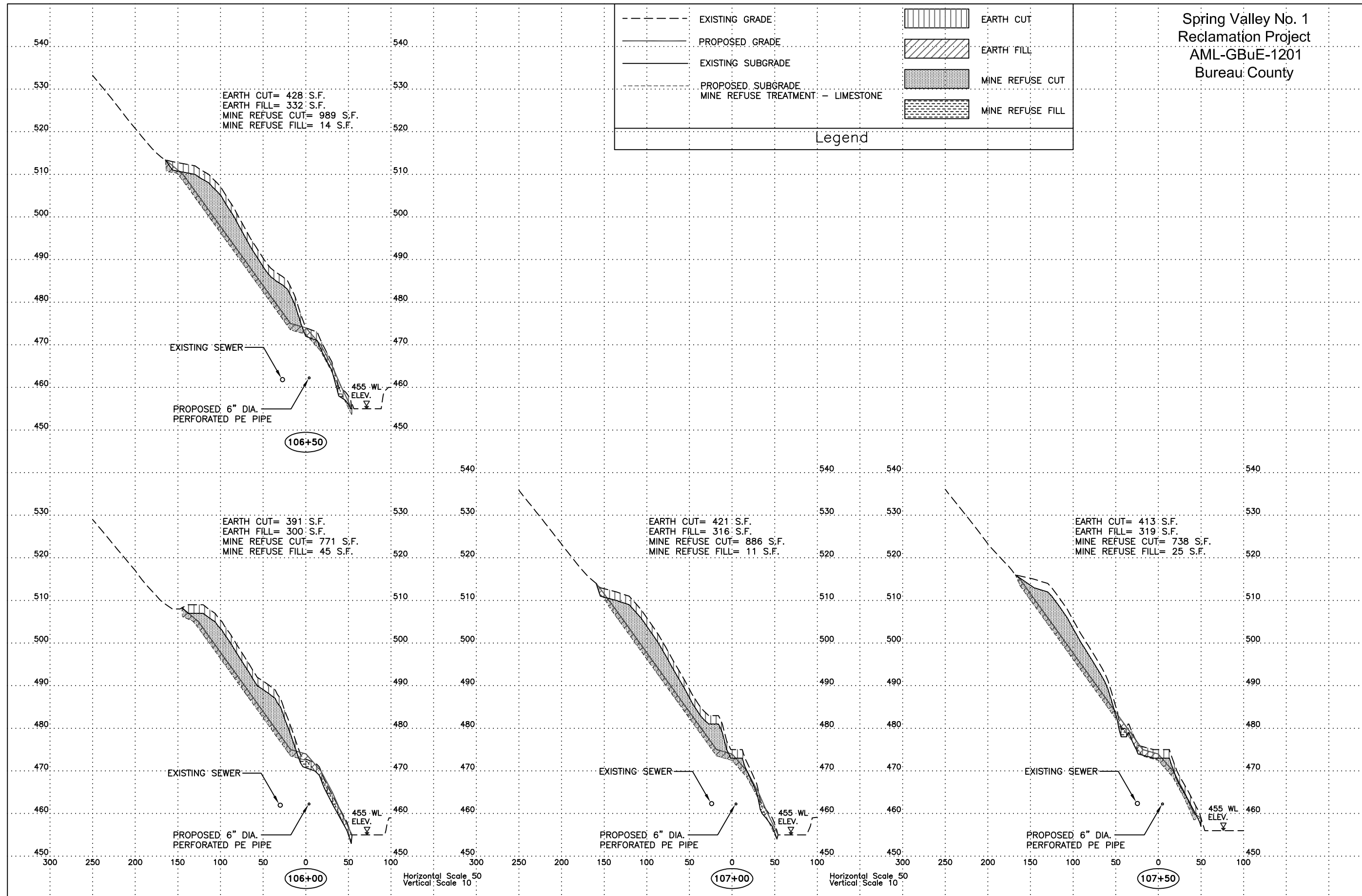
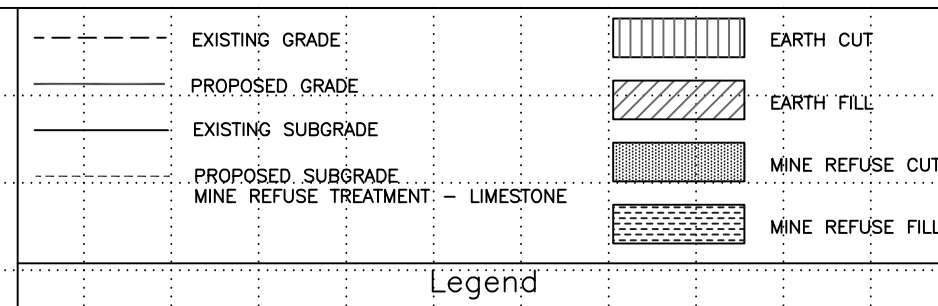


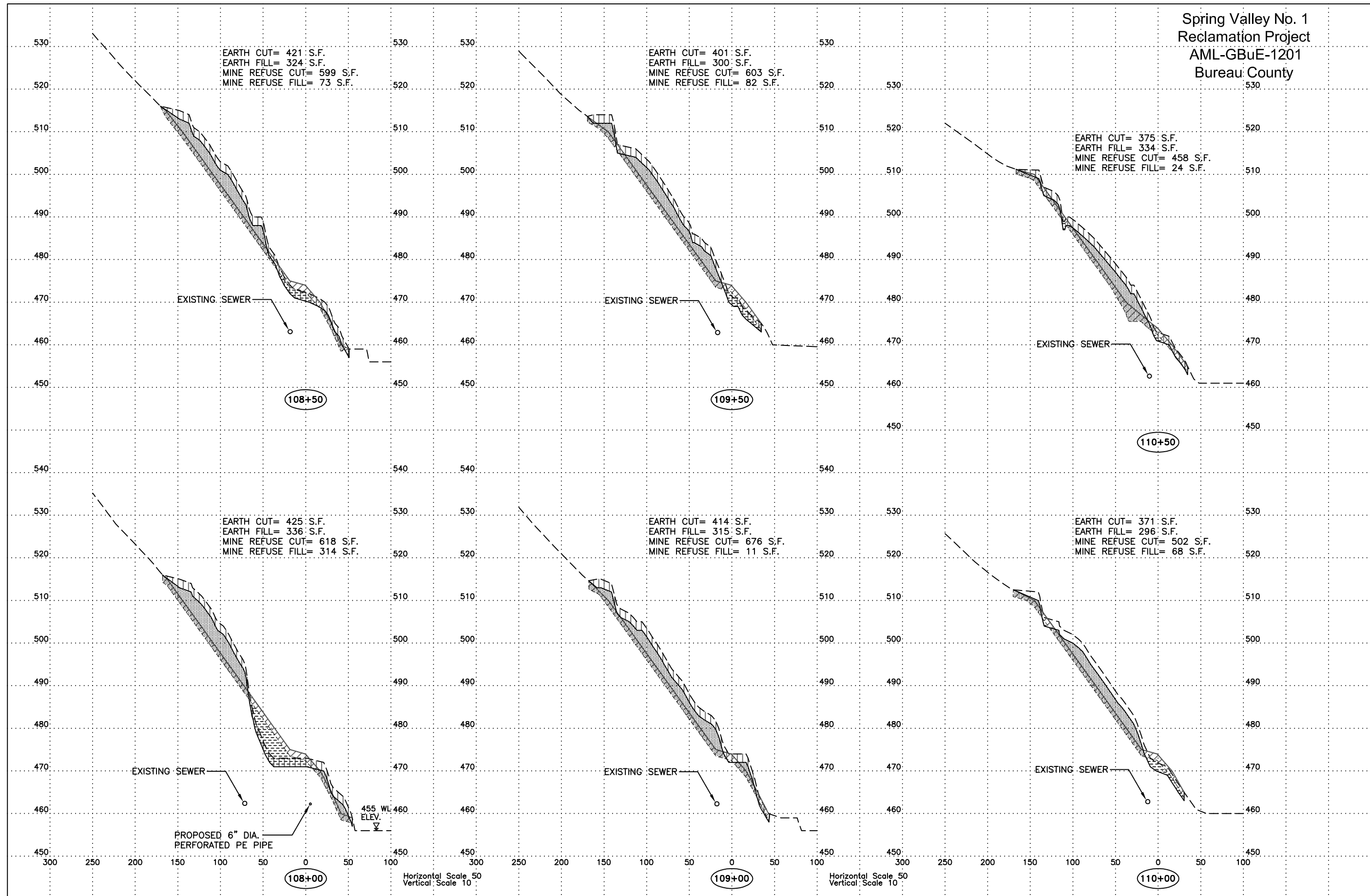
| CONSTRUCTION LIMITS |          |         |          |         |         |
|---------------------|----------|---------|----------|---------|---------|
|                     | NORTHING | EASTING | NORTHING | EASTING |         |
| 1                   | 1697739  | 2564929 | 30       | 1697905 | 2564425 |
| 2                   | 1697683  | 2564877 | 31       | 1697936 | 2564837 |
| 3                   | 1697481  | 2564835 | 32       | 1697813 | 2564826 |
| 4                   | 1697295  | 2564975 | 33       | 1697565 | 2564683 |
| 5                   | 1697146  | 2564758 | 34       | 1697456 | 2564789 |
| 6                   | 1697098  | 2564748 | 35       | 1697713 | 2564859 |
| 7                   | 1697109  | 2564704 | 36       | 1697786 | 2564927 |
| 8                   | 1697008  | 2564622 |          |         |         |
| 9                   | 1696795  | 2564299 |          |         |         |
| 10                  | 1696802  | 2564273 |          |         |         |
| 11                  | 1696678  | 2564095 |          |         |         |
| 12                  | 1696613  | 2564057 |          |         |         |
| 13                  | 1696597  | 2563723 |          |         |         |
| 14                  | 1696577  | 2563619 |          |         |         |
| 15                  | 1696637  | 2563619 |          |         |         |
| 16                  | 1696649  | 2563670 |          |         |         |
| 17                  | 1696762  | 2563670 |          |         |         |
| 18                  | 1696762  | 2563739 |          |         |         |
| 19                  | 1696669  | 2563796 |          |         |         |
| 20                  | 1696675  | 2563836 |          |         |         |
| 21                  | 1696966  | 2563927 |          |         |         |
| 22                  | 1697208  | 2563834 |          |         |         |
| 23                  | 1697224  | 2563872 |          |         |         |
| 24                  | 1696900  | 2564019 |          |         |         |
| 25                  | 1696818  | 2564103 |          |         |         |
| 26                  | 1697110  | 2564355 |          |         |         |
| 27                  | 1697324  | 2564670 |          |         |         |
| 28                  | 1697396  | 2564681 |          |         |         |
| 29                  | 1697665  | 2564427 |          |         |         |





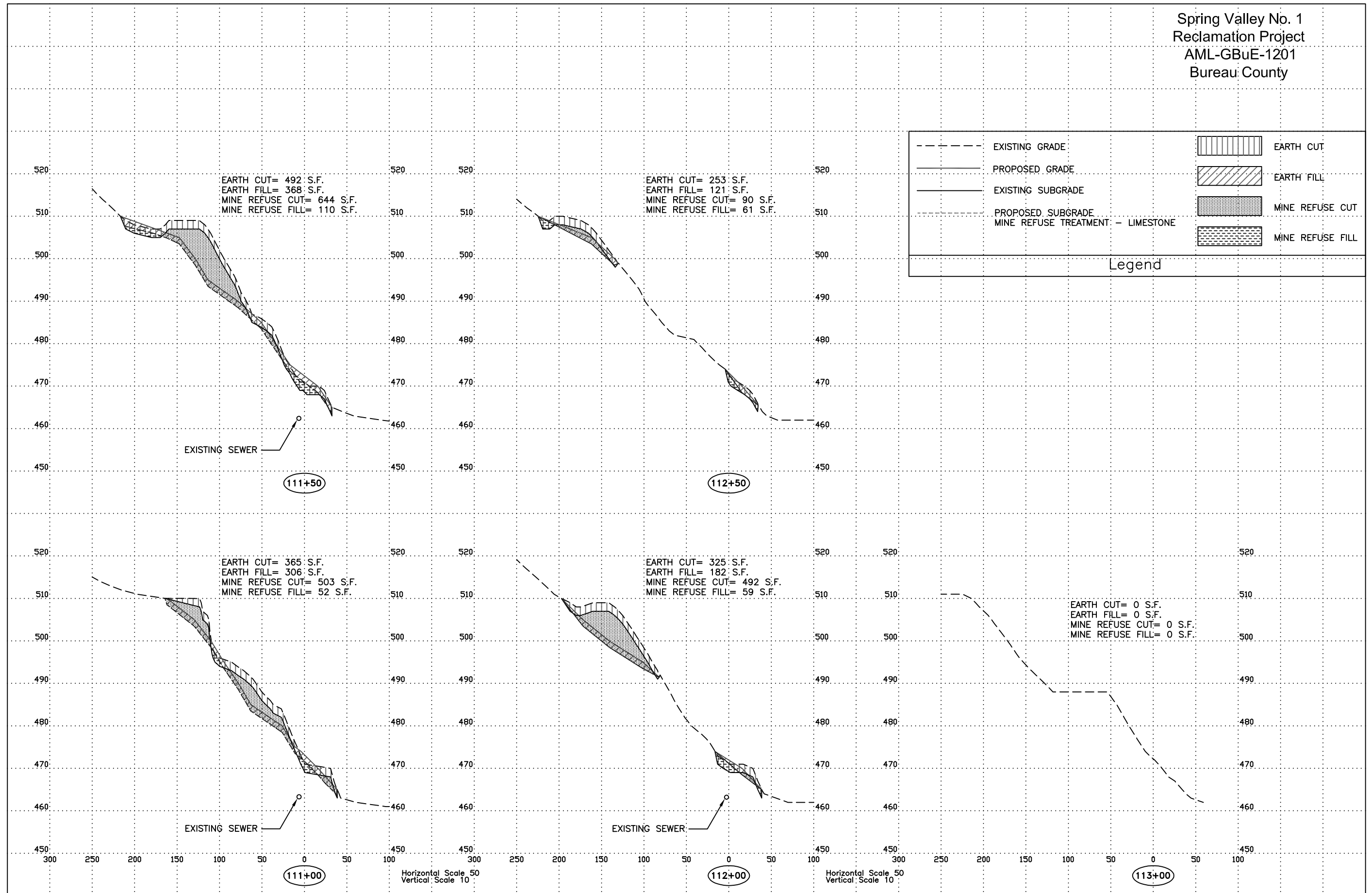








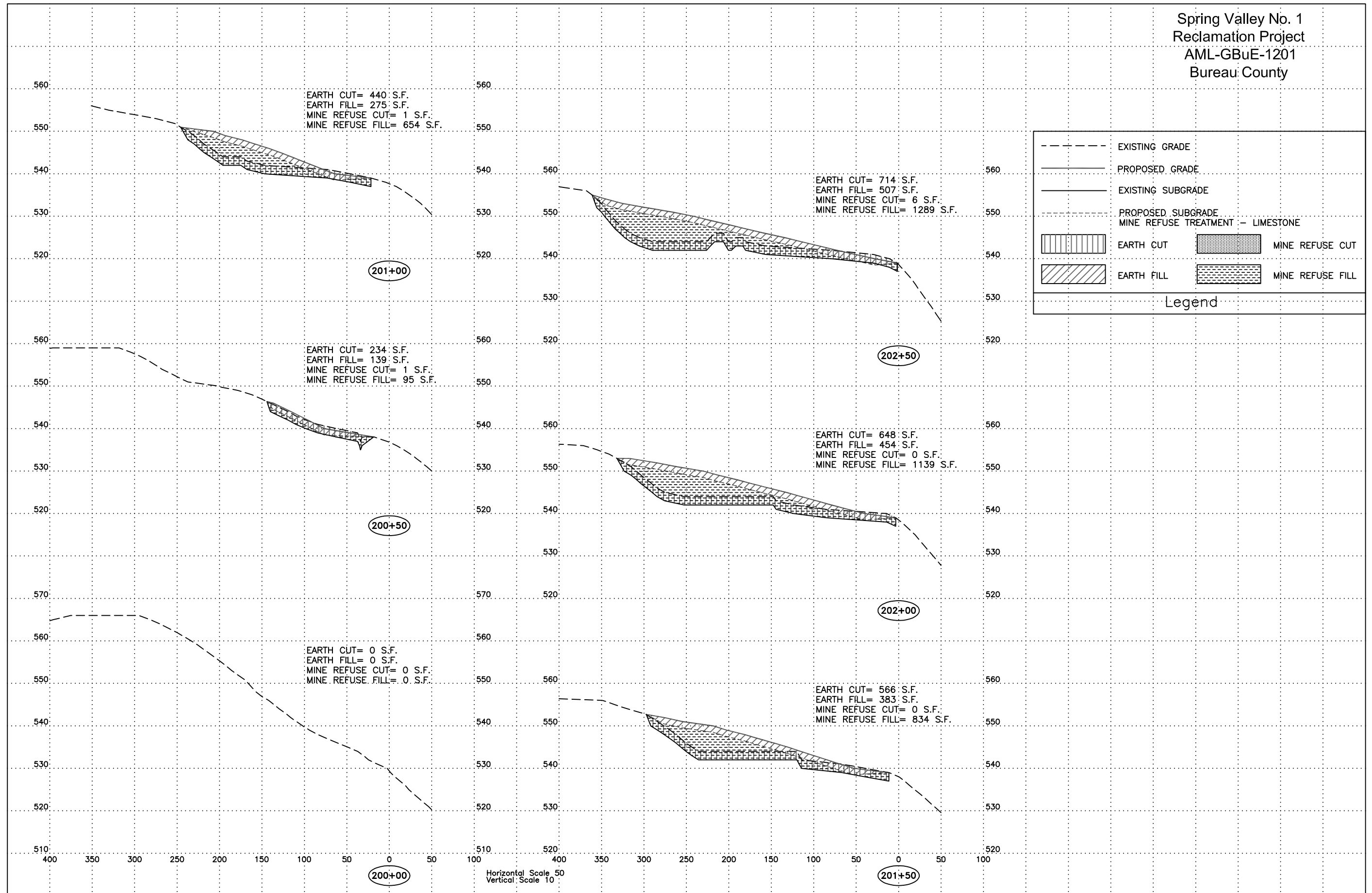
Spring Valley No. 1  
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Bureau County

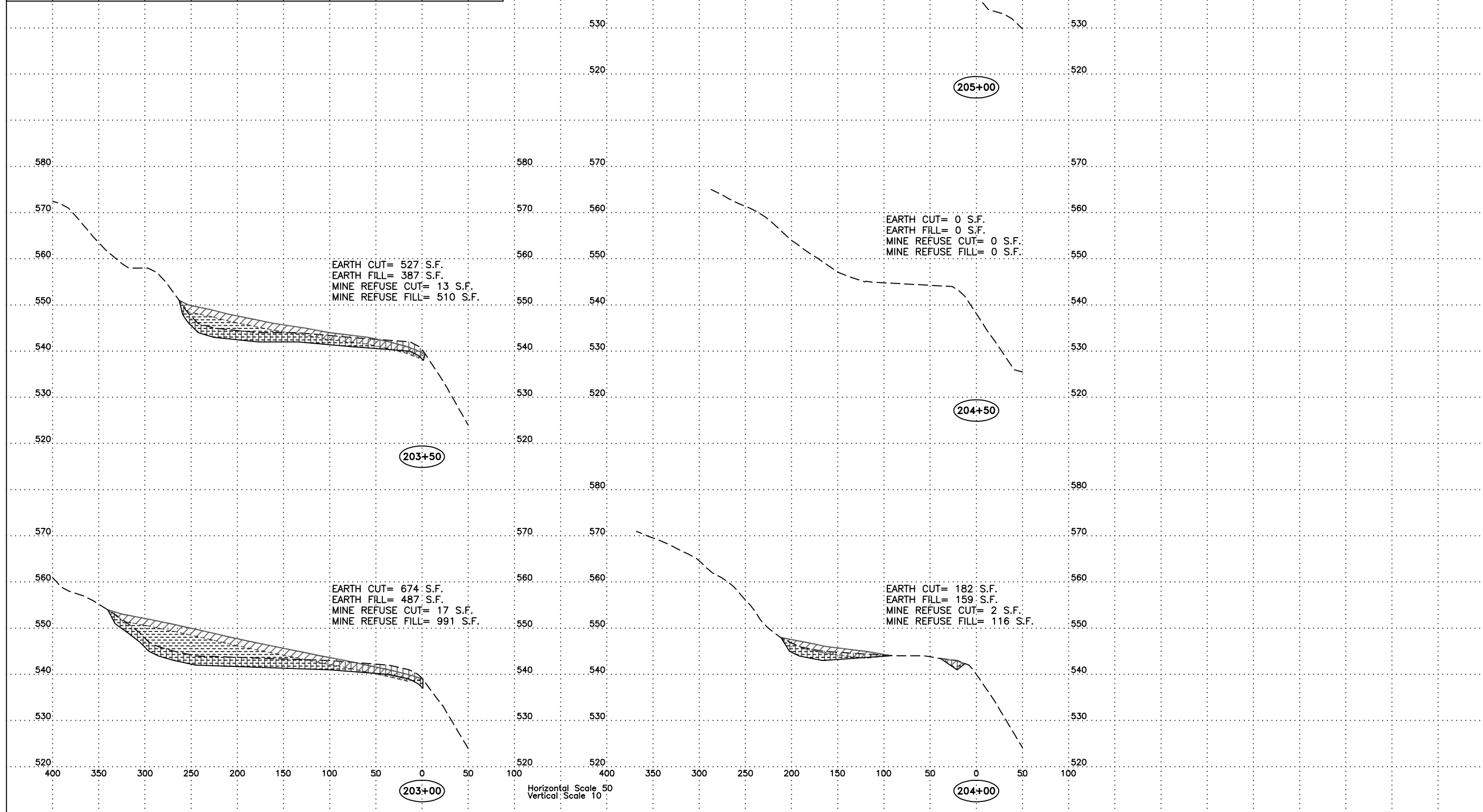
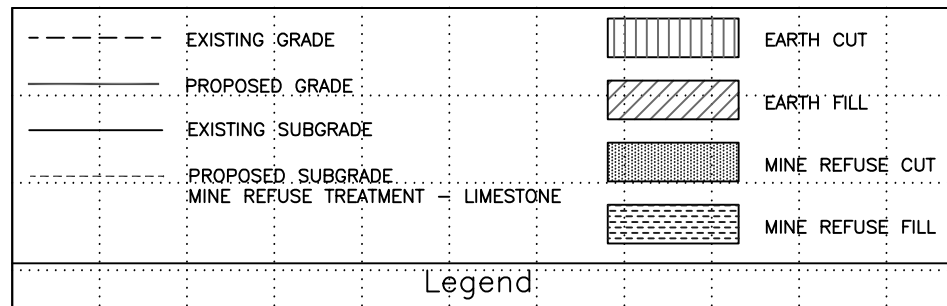


Legend

|     |                                   |  |                  |
|-----|-----------------------------------|--|------------------|
| --- | EXISTING GRADE                    |  | EARTH CUT        |
| —   | PROPOSED GRADE                    |  | EARTH FILL       |
| --- | EXISTING SUBGRADE                 |  | MINE REFUSE CUT  |
| --- | PROPOSED SUBGRADE                 |  | MINE REFUSE FILL |
| --- | MINE REFUSE TREATMENT - LIMESTONE |  |                  |

Spring Valley No. 1  
Reclamation Project  
AML-GBuE-1201  
Bureau: County



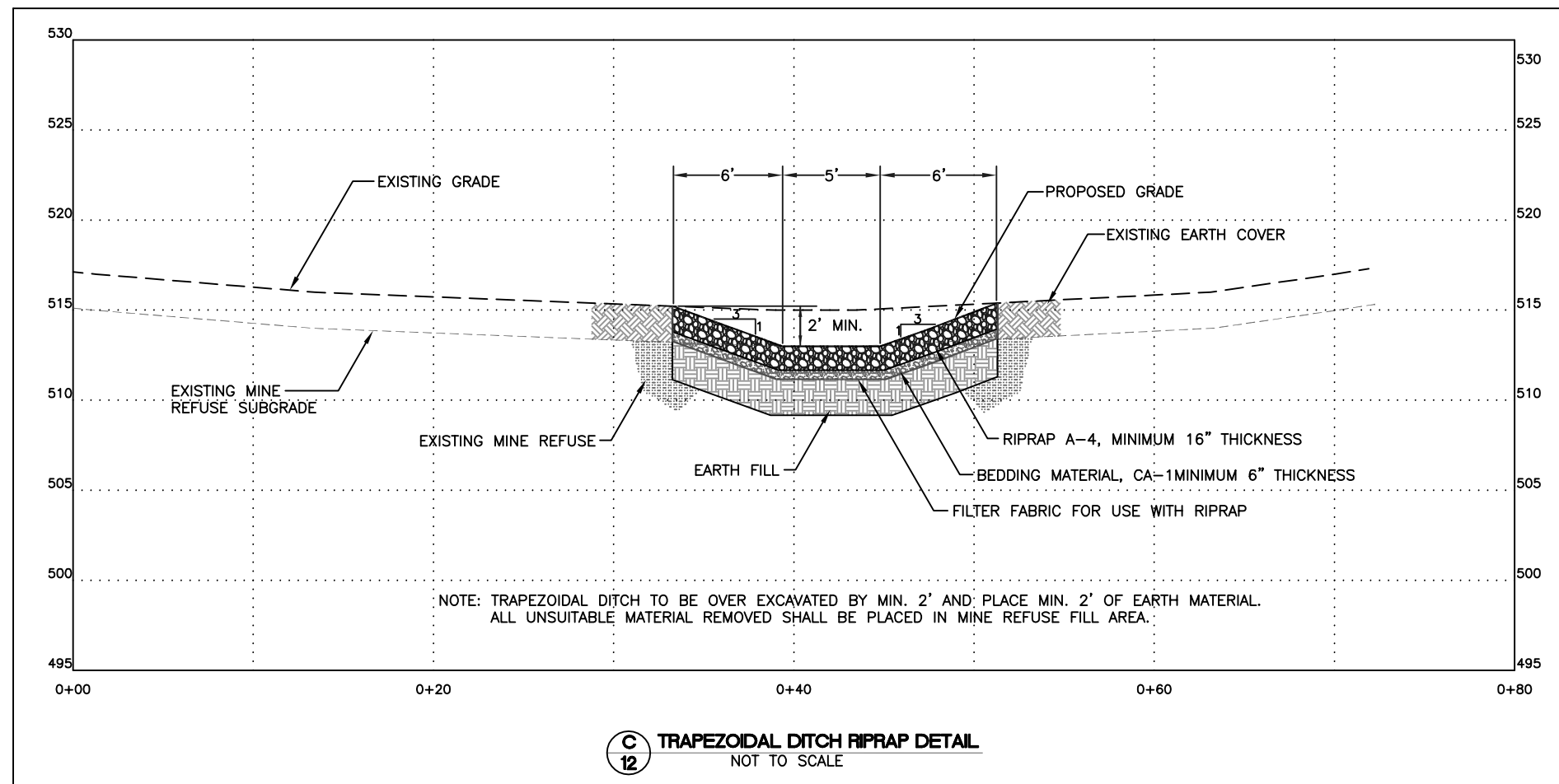
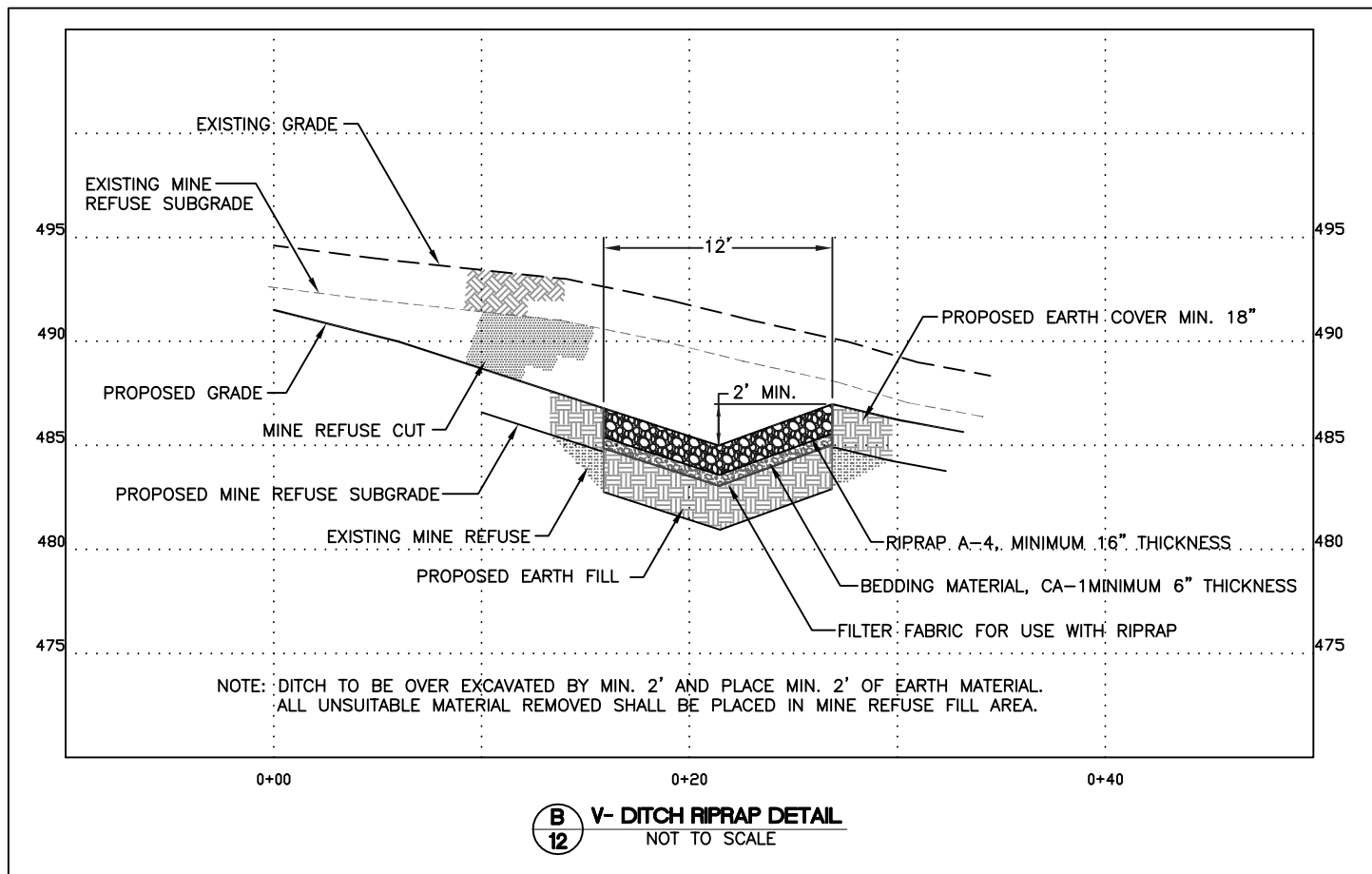


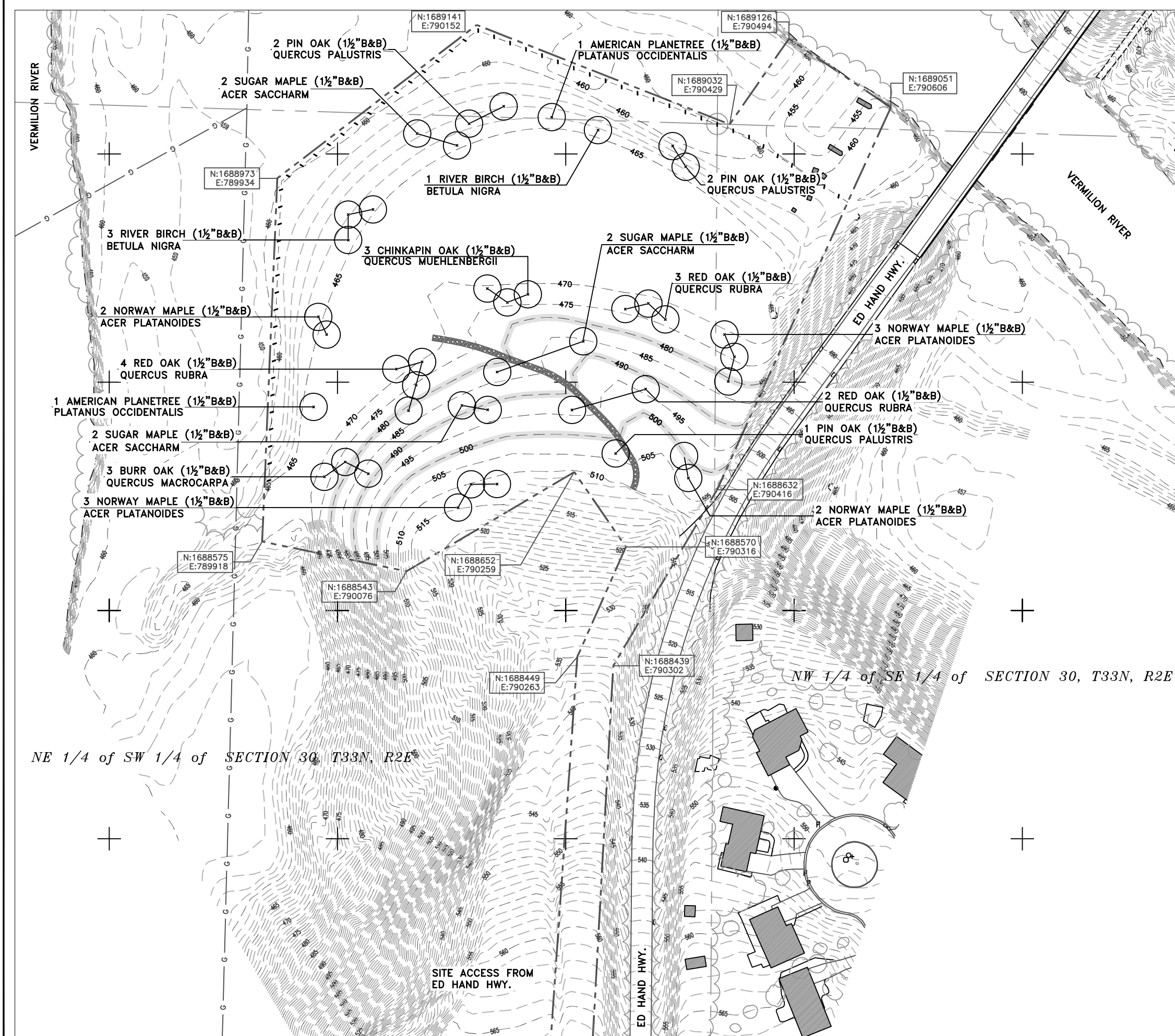
| SPACING LETTERS |      |
|-----------------|------|
| 2.0"            | 3.5" |
| 1.5"            | 3.5" |
| 1.5"            | 3.5" |
| 1.5"            | 3.5" |
| 3.5"            | 3.0" |
| 3.5"            | 2.5" |
| 1.5"            | 2.5" |
| 3.5"            | 2.0" |
| 1.5"            | 2.0" |
| 2.0"            |      |

**RECLAMATION PROJECT**  
 of the  
**DEPARTMENT OF NATURAL RESOURCES**  
**STATE OF ILLINOIS**  
**PAT QUINN, GOVERNOR**  
 Marc Miller, Director  
 Department of Natural Resources  
 In cooperation with the Office of Surface Mining  
 United States Department of the Interior

1. Furnishing, erecting and removing the sign shall be incidental to the contract.
2. The sign shall be painted on 1/2" or thicker exterior plywood (4' x 8'), color shall be black on white, and a 10" diameter Illinois state seal shall be provided by the D.N.R.
3. 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 5" long, 3/8" diameter carriage bolts (for wood or metal posts).
4. 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 3' from the ground.

**A** **CONSTRUCTION SIGN DETAIL**  
 NOT TO SCALE  
 EXACT LOCATION TO BE SET BY ENGINEER





|  |                     |
|--|---------------------|
|  | EXISTING CONTOUR    |
|  | CONSTRUCTION LIMITS |
|  | EDGE OF ROAD        |
|  | TREELINE            |
|  | EDGE OF WATER       |

Legend

Deer Park

SCALE IN FEET

Drawn By: M-LF Date: 5/8/2012

Checked By: \_\_\_\_\_