## Site Stabilization Work Plan -



Former East Alcoa Property June 30, 2023

Geo-Technology Associates, Inc. (GTA), on behalf of Quantum Maryland LLC, has prepared the following Work Plan for site stabilization activities at the Former East Alcoa Property ("Site"). These activities are proposed to address concerns transmitted by the Water and Sciences Administration.

Various activities are needed to return floodplain areas to their natural state and to stabilize the Site. These activities are detailed below and are highlighted on the attached figures (Figures 1 through 6). All work below is proposed to be conducted by Petillo, the site grading and utility contractor.

Mulch (seed and straw) and tack (fibrous erosion control blanket) has been the most common sediment erosion control measure utilized on the Site to stabilize disturbed areas. Mulch and tack involve the placement of seed and straw via a hydroseeder over an area and then is anchored in place by with a fibrous erosion control blanket. Straw utilized on the Site is from Jody Bell Farms, a local farmer with farms all throughout Frederick County. Straw is brought to the site on an as needed basis, with a supply of over 800 bails currently stored on the Site for the work proposed herein. The erosion control blankets are commercially available.

Floodplain Gravel and Straw Bale Removal – Gravel, filter bags, and straw bales are to be removed from the portions of the floodplain located outside of the LOD. These areas are primarily located west of MH-3 and MH-5, and east of MH-6 (see Figure 1).

Work associated with the area west of MH-3 and MH-5 is anticipated to take approximately 1½ days and would involve the use of a dump truck and a skid steer. Hay bales, gravel, and filter bags are to be removed by hand, placed into the skid steer, then loaded into a dump truck. Removed materials are to be relocated to a temporary storage area along the proposed Happy Landing Road, within the LOD and outside of the floodplain (see Figure 5). A hydroseeder will be utilized to stabilize the area after work is completed. (Personnel: 1 Operator, 1 Drivers, 2 Laborers)

Work associated with the area east of MH-6 is anticipated to take approximately 1 day and would involve the use of a dump truck and a skid steer. Excess gravel, mulch and tack are to be removed via use of a skid steer and loaded into a dump truck. Removed materials are to be relocated to a temporary storage area along the proposed Happy Landing Road, within the LOD and outside of the floodplain (see Figure 5). A hydroseeder will be utilized to stabilize the area after work is completed. (Personnel: 1 Operator, 1 Drivers, 2 Laborers)

Soil Stockpile Relocation – Nine soil stockpiles are currently located within the sewer LOD, but within the floodplain along sewer line 1A. An additional stockpile is currently located outside of the LOD and within the floodplain. These stockpiles include the following:



### Site Stabilization Work Plan -

Former East Alcoa Property June 30, 2023

Stockpile Identification	Approximate Cubic Yardage	Origination Area	Current Site Location
4	325	Sewer Line 1B	Between MH-18 and MH-19
5	125	Sewer Line 1B	Near MH-18
6	175	Sewer Line 1B	Between MH-17 and MH-18
7	300	Sewer Line 1B	Between MH-12 and MH-13
8	800	Sewer Line 1B	Near MH-10
9	200	Sewer Line 1A	Near MH-10
10	275	Sewer Line 1A	Between MH-8 and MH-9
11	175	Sewer Line 1A	Near MH-8
12	375	Sewer Line 1A	Between MH-7 and MH-8
13	4,000	MH-1 and MH-2 pre- excavation, pump station	West of the pump station

Note: These and additional stockpiles located on the Site and will be summarized under separate cover titled *Soil Disposition Memorandum*.

As indicated above, these stockpiles originated from the installation activities associated with sewer line 1A and 1B and the pump station. No soils located in these stockpiles was transported to the site from an off-site source. These stockpiles are proposed to be relocated into three separate stockpiles located within the LOD but outside of the floodplain. These new stockpiles will be designated Stockpile A (consisting of soil from stockpiles 4 through 8), Stockpile B (consisting of soil from stockpiles 9 through 12), and the relocated Stockpile 13. The proposed stockpile locations are in areas where existing sediment erosion control fencing is in place. These existing and proposed stockpile locations are depicted on the attached Figures 1, 2, 3, and 4. Figure 1 also depicts two additional stockpiles associated with the pump station excavation (Stockpiles 14 and 15).

Work associated with the stockpile relocation is anticipated to take approximately 3-4 days and would involve the use of an excavator, three end dumps, and a bulldozer. The excavator would be utilized to load the existing soil stockpiles into the end dumps for relocation of the stockpiles to the designated areas outside of the floodplains. The bulldozer would be utilized to prepare the former stockpile locations to be prepared for mulch and tack. Relocated stockpiles would be strawed and seeded for stabilization. (Personnel: 2 Operators, 3 Drivers, 2 Laborers)

*DA-11 Work* – Disturbance previously occurred during the expansion of the former Rainwater Pond 102 to the proposed dimensions of the proposed DA-11 sediment basin. These activities resulted in the generation of concrete and soil spoils that are currently located along the southern portion of DA-11. The concrete and soil spoils are proposed to be relocated to a designated stockpile area east of DA-11 (see Figure 6).

GTA obtained construction drawings for the South Landfill Leachate Tank Management System and these drawings are attached to this Work Plan. These drawings were overlain on

## Site Stabilization Work Plan -



Former East Alcoa Property June 30, 2023

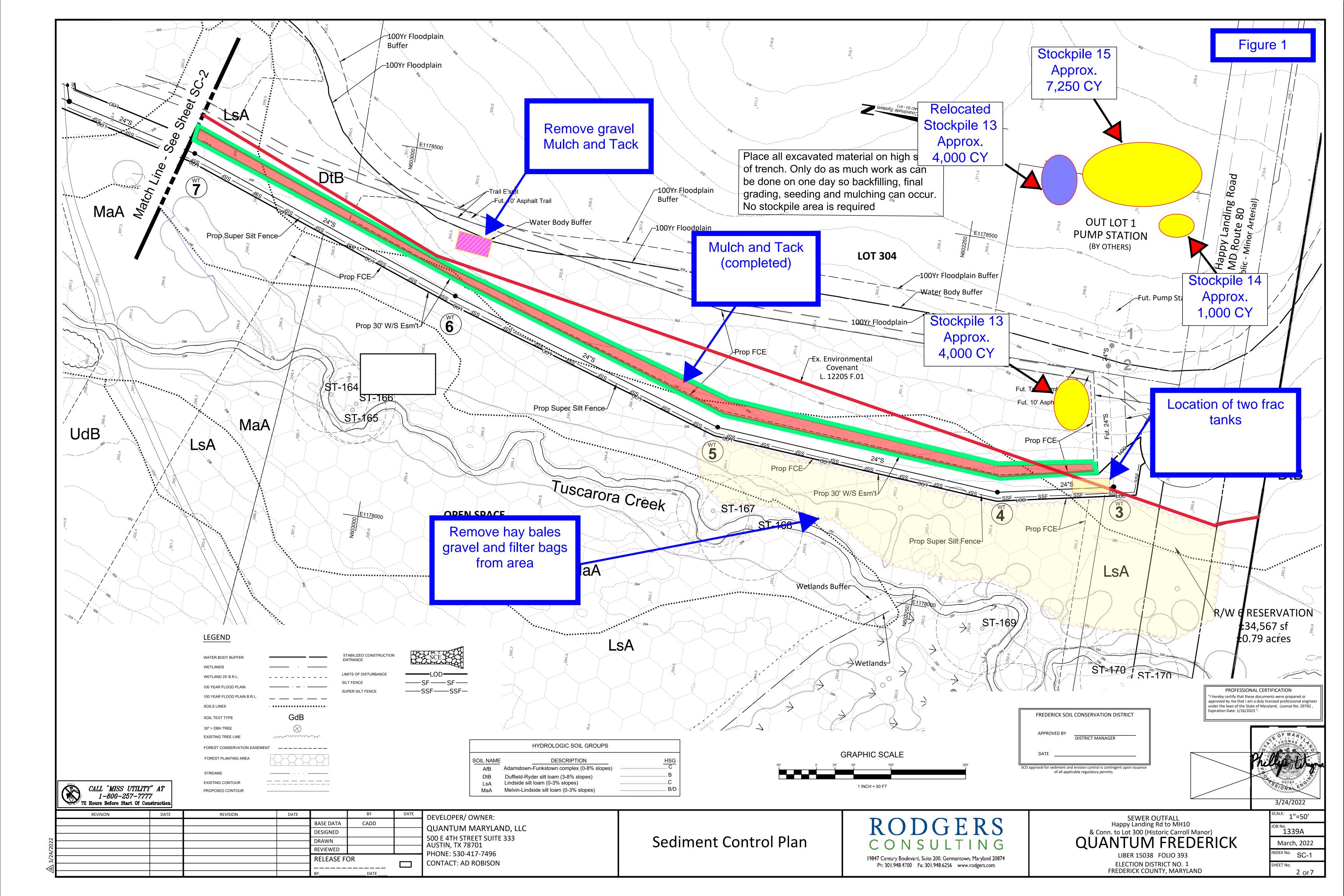
the proposed development plans to locate the leachate line associated with the above referenced leachate collection system; and this leachate line is depicted on the attached Figure 6. The leachate line is as close as 7 feet from the limits of disturbance at the leachate collection system and increases to greater than 30 feet as the line progresses to the east and south.

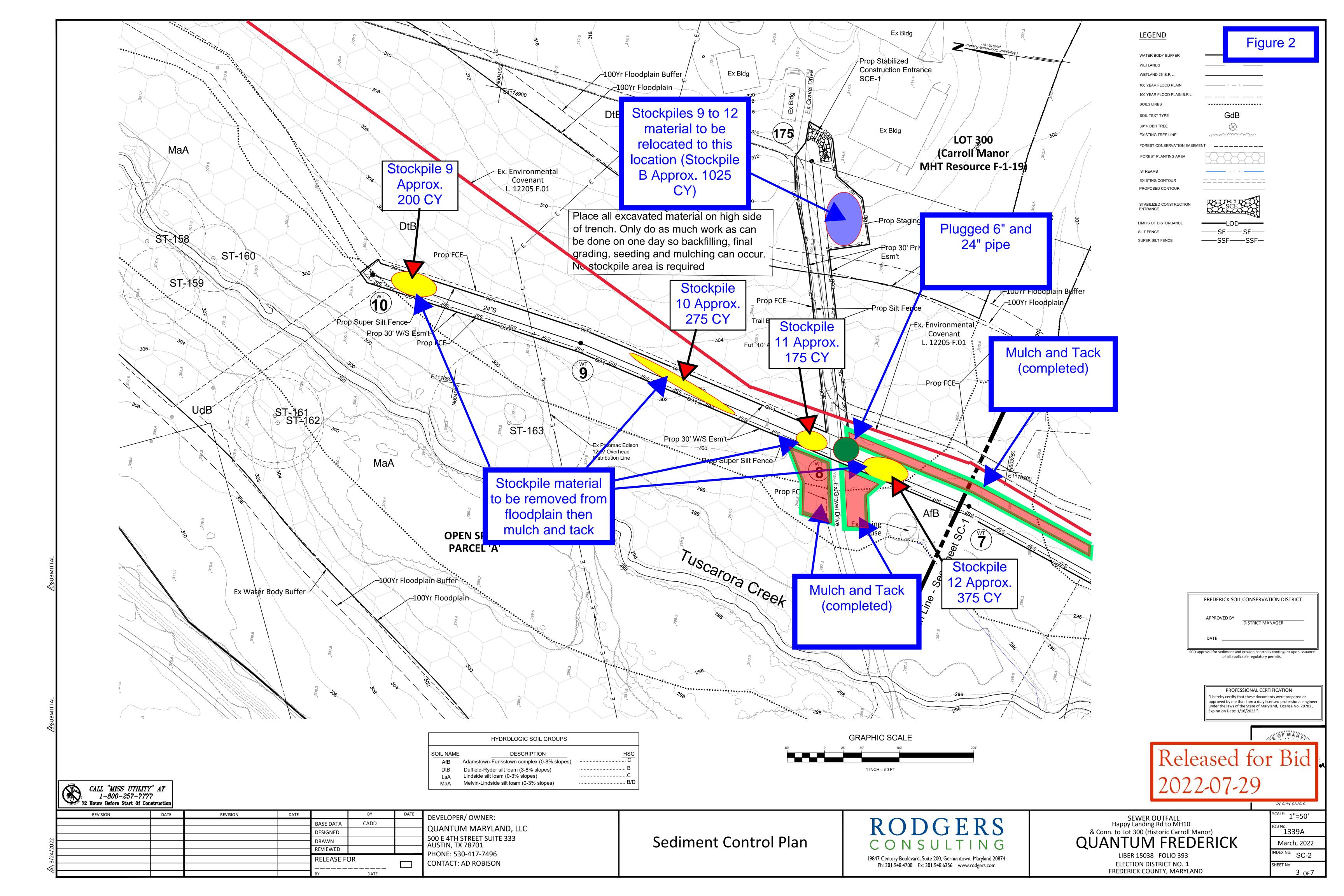
A typical (leachate) trench piping detail included in the plans indicates that an electrical conduit is located adjacent to the leachate pipe. Electrical power for the leachate collection system originates from the northwest of the system.

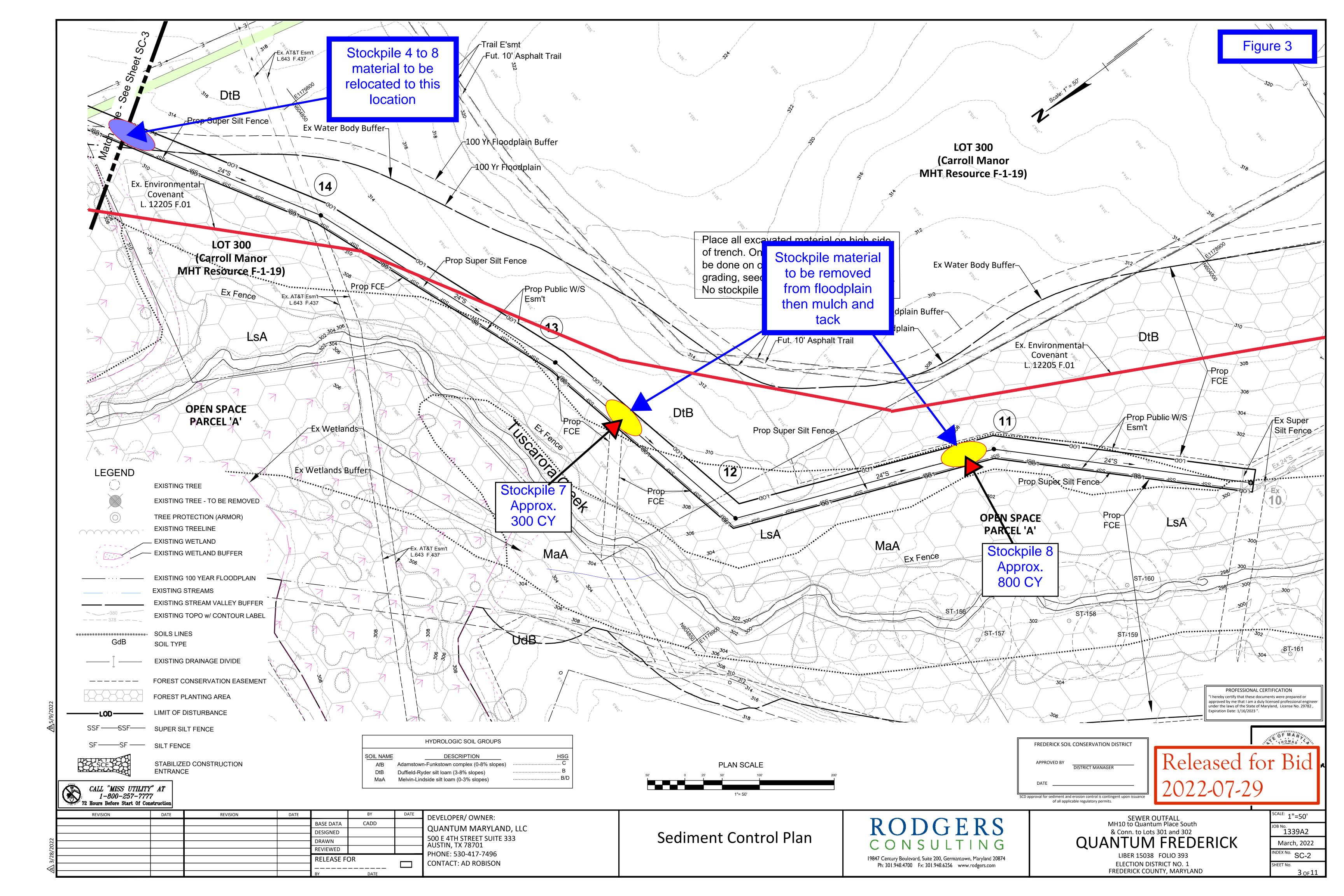
Based on the proximity of electrical and leachate lines near the location of proposed work, a private utility locator was contracted to identify potential utilities in the proposed work area. On June 26, 2023, the utility locator identified and marked the electrical and leachate lines in the field. No additional utilities were identified proximate to the proposed work. The approximate electrical and leachate lines are identified on Figure 6.

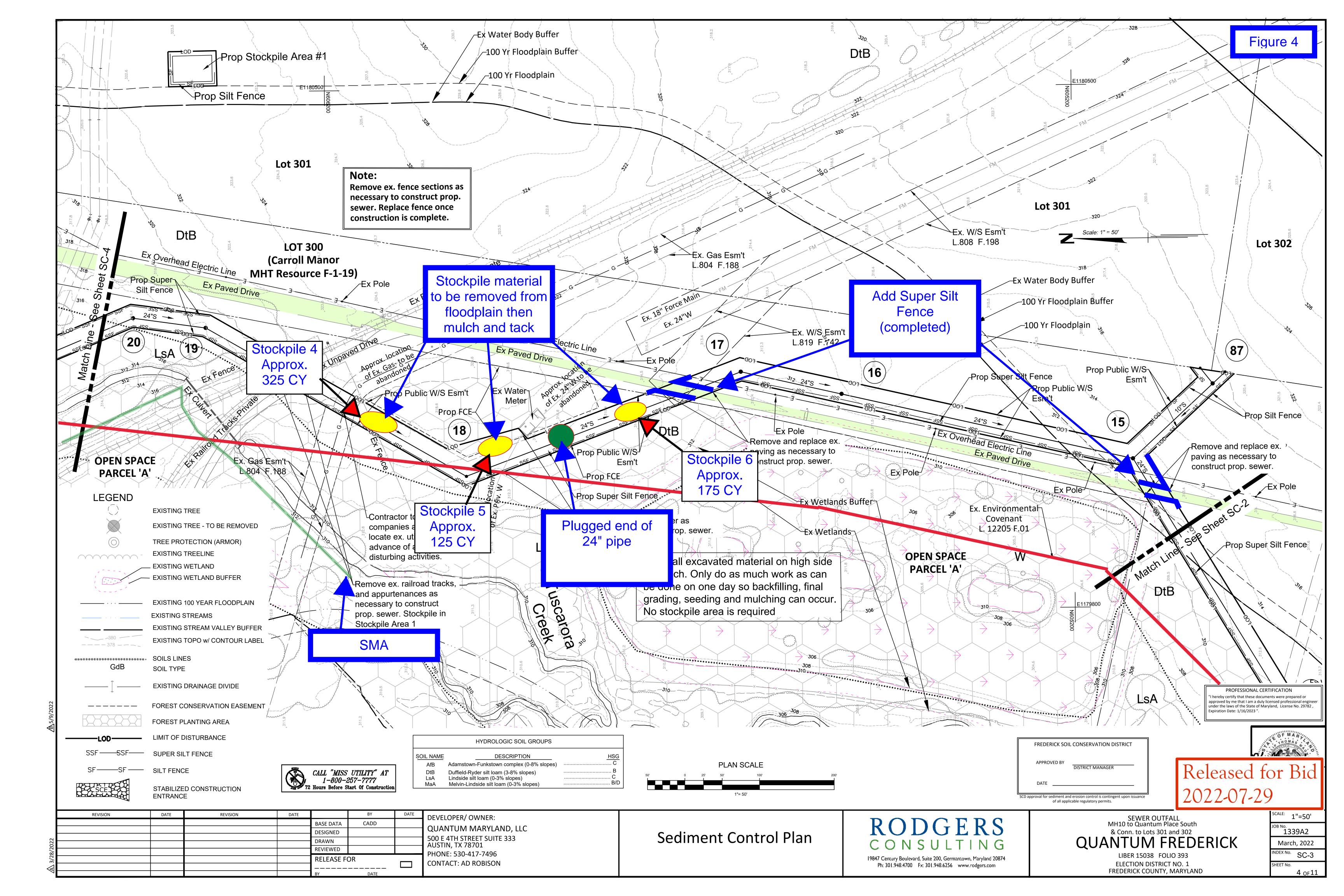
After utilities were identified in the proposed work area, silt fencing was generally placed as show on Figure 6. However, some modifications to the silt fence installation were needed based on existing vegetation. These modifications to the silt fencing configuration were made since no additional ground disturbance is permitted at this time; however, the modifications did not affect the intent to provide a barrier between known disturbed areas and downgradient receptors.

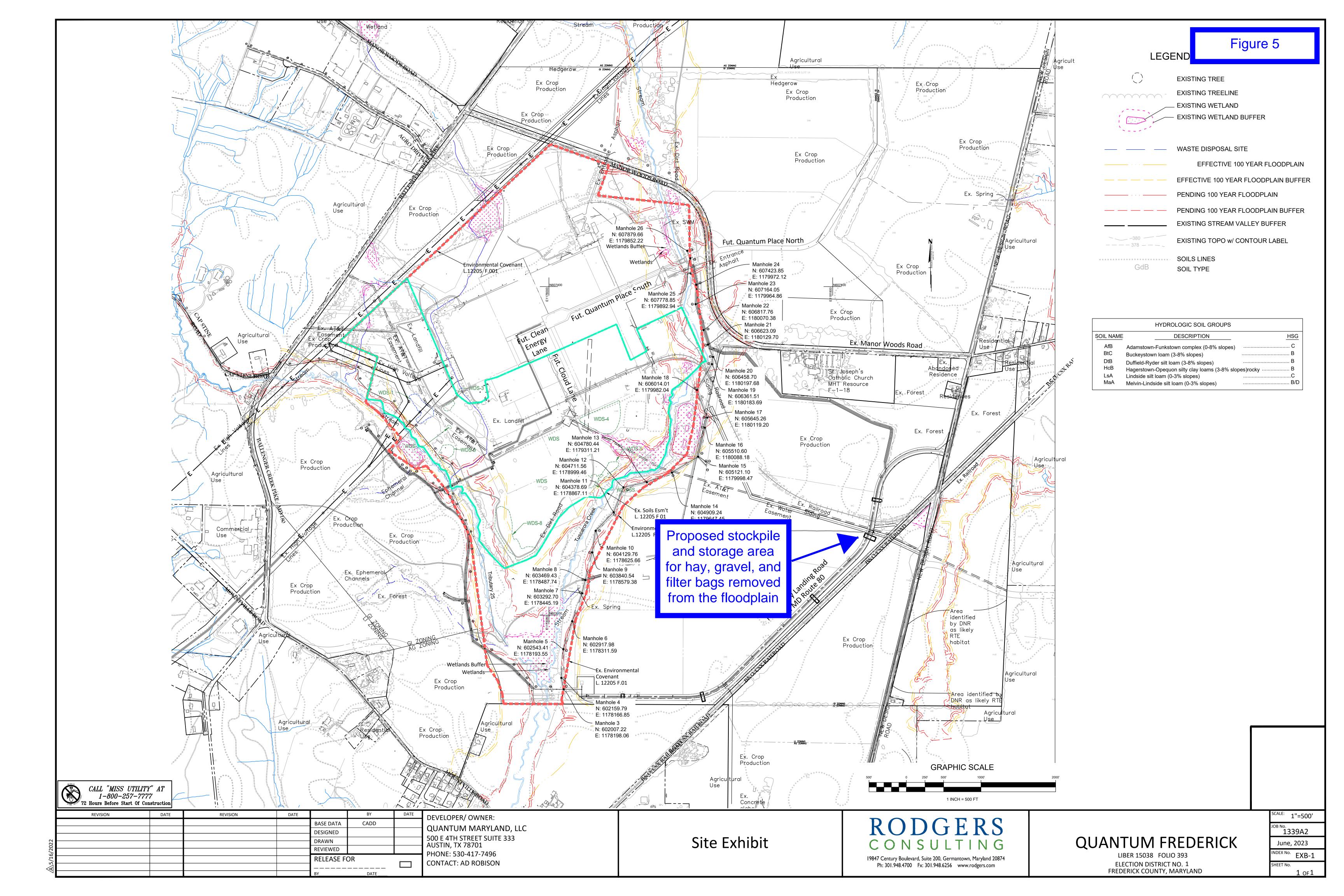
Work associated with the concrete and soil spoils clean-up at DA-11 is anticipated to take approximately 1 day and would involve the use of an excavator, three end dumps, and a bulldozer. The excavator would be utilized to load the concrete and soil spoils into the end dumps for relocation of the material to a stockpile located immediately east of DA-11. Aside from loading of the concrete and soil spoils, no additional excavation within the DA-11 is to be performed at this time. The bulldozer would be utilized to prepare the former concrete and soil spoils area to for mulch and tack. Disturbed areas of DA-11 are to be stabilized and stockpile would be strawed and seeded for stabilization. Silt fencing is currently in place at the existing/proposed stockpile location. (Personnel: 2 Operators, 3 Drivers, 2 Laborers)

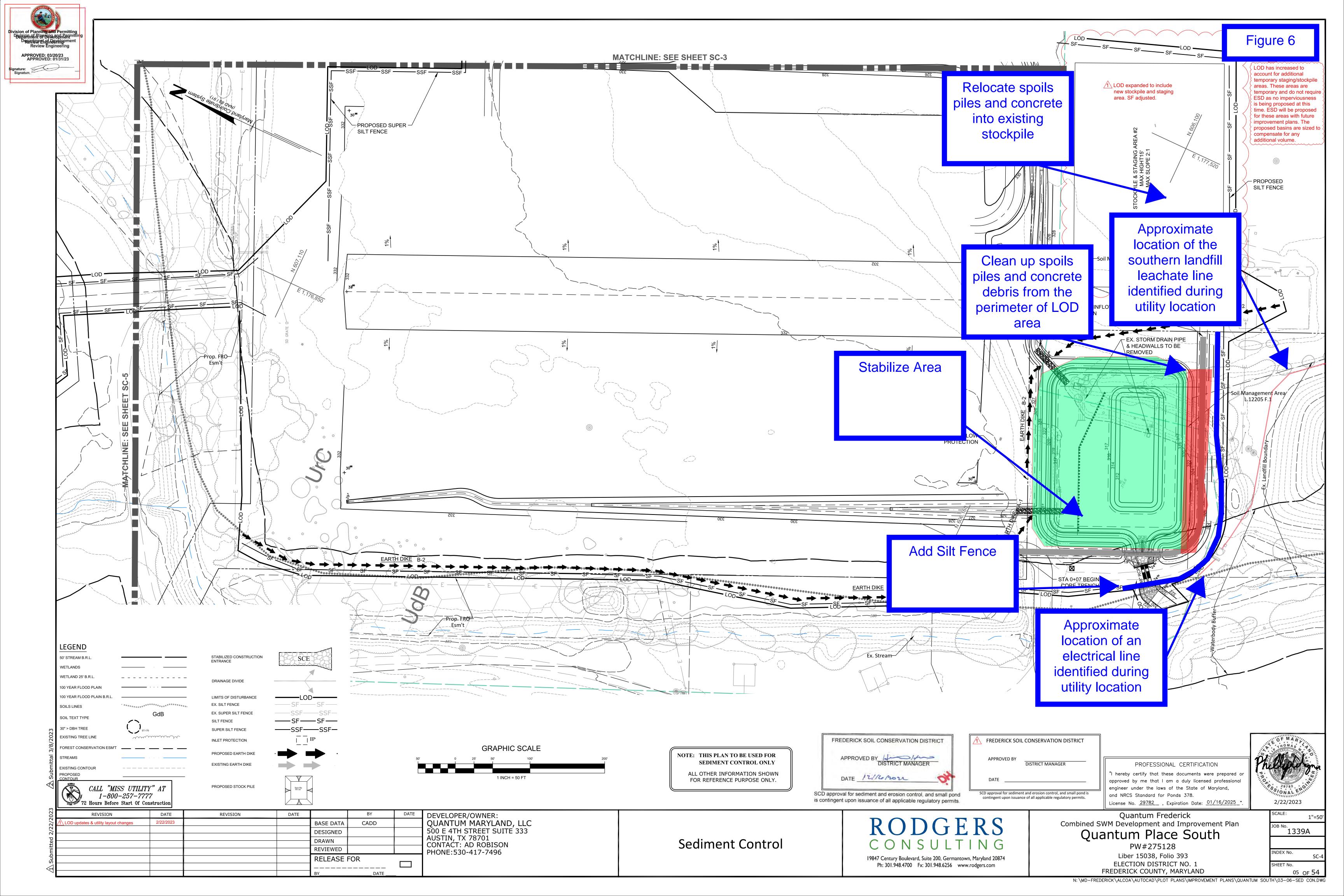


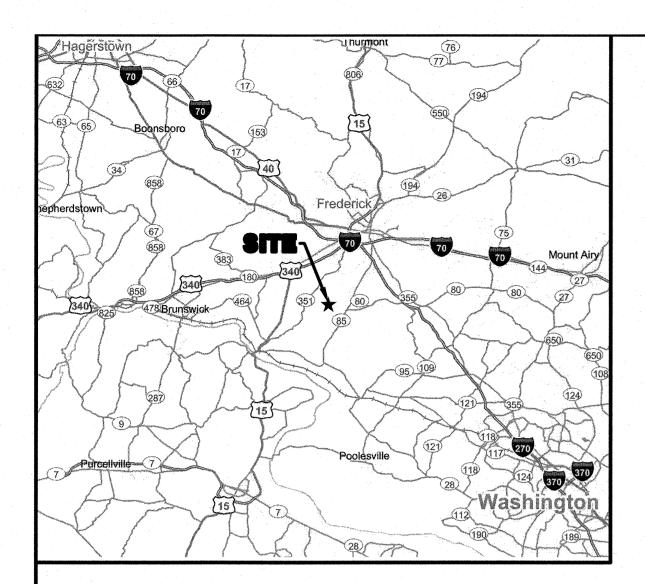




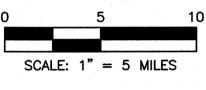








LOCATION MAP



## OWNER/DEVELOPERS CERTIFICATION

"I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE

SIGNATURE OF OWNER/DEVELOPER
Print Name, Title, Address, Phone Number Below

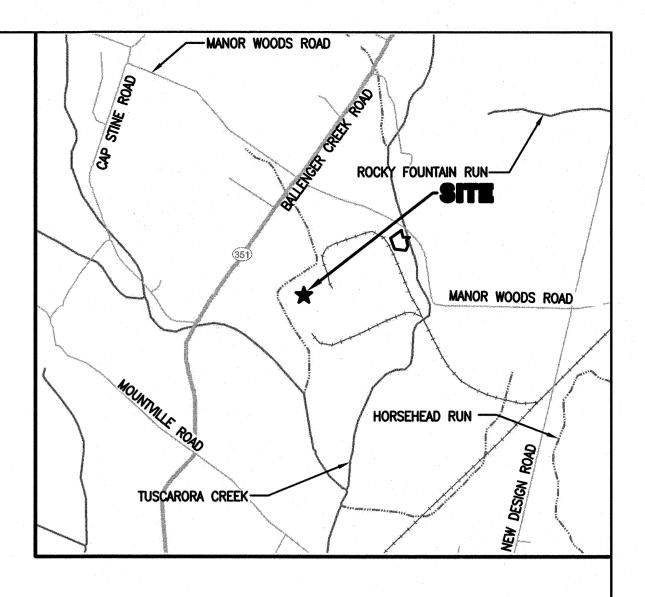
OSCAR FISHER, JR.
EASTALCO ALUMINUM CO.
5601 MANOR WOODS ROAD
FREDERICK, MD 21701
(301) 696-1721

## TURBED AREA QUANTITY FOR SOUTH LANDFILL LEACHATE MANAGEMENT TANK

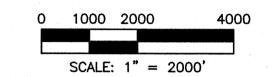
THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE APPROXIMATELY 3,800 SQ. FT. AND THE TOTAL AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE APPROXIMATELY OR CYCLE EXCAVATION AND APPROXIMATELY OR CYCLE

NAME Me adud

DATE 15 august 2013



## VICINITY MAP



DETAIL

SECTION SCALE

1 OF 6

## ENGINEER/ARCHITECT DESIGN CERTIFICATION

"I HEREBY CERTIFY THAT THE PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH LOCAL ORDINANCES, COMAR 08.05.01, AND 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

SEDIMENT CONTROL.

SIGNATURE

REG. NO. DATE

# EASTALCO ALUMINUM COMPANY SOUTH LANDFILL LEACHATE MANAGEMENT TANK

## FREDERICK, MARYLAND

## LIST OF DRAWINGS

DRAWING NUMBER	DRAWING ID	SHEET DESCRIPTION
83.628T0042	T-1	TITLE SHEET
83.628C0043	C-1	SITE PLAN
83.628M0044	M-1	LEACHATE STORAGE TANK PLA
83.628M0045	M-2	DETAILS
83.628E0046	E-1	ELECTRICAL SITE PLAN
83.628E0047	E-2	PUMP CONTROL PANEL

## REFERENCE DRAWINGS INCLUDED IN SHEET SET

10.485A0084.02 FINAL COVER SYSTEM AND PIPING PLAN (C-3)
10.485A0085.03 SECTIONS AND DETAILS (C-4)
10.485A0087.01 SECTIONS AND DETAILS (C-6)
10.485A0088.03 SECTIONS AND DETAILS (C-7)
Protessional Certification documents were preparation and cuty licensed professional Certification of the State of Maryland Certification (C-7)

## Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. | Conse No. | 5453 | Expiration Date:



# REV. EWR No. DATE AUGUST 2013 DRAWN BY TMR ENGINEER TMR AN ALUMAX COMPANY TOLERANCES EXCEPT AS NOTED SCALE AS SHOWN PLOT SIZE ARCH D E.W.R. NO. TOLERANCES EXCEPT AS PLS FINISH ANGULAR ANGULAR FORCTIONAL 2 PLS 3 PLS TITLE SOUTH LANDFILL LEACHATE MANAGEMENT TANK TITLE SHEET DWG. NO. 83.628T0042

83.628M0021.00

REFERENCE SYMBOLS

NUMBER INDICATES
DETAIL DESIGNATION

DRAWING ID WHERE

LETTER INDICATES

SECTION DESIGNATION

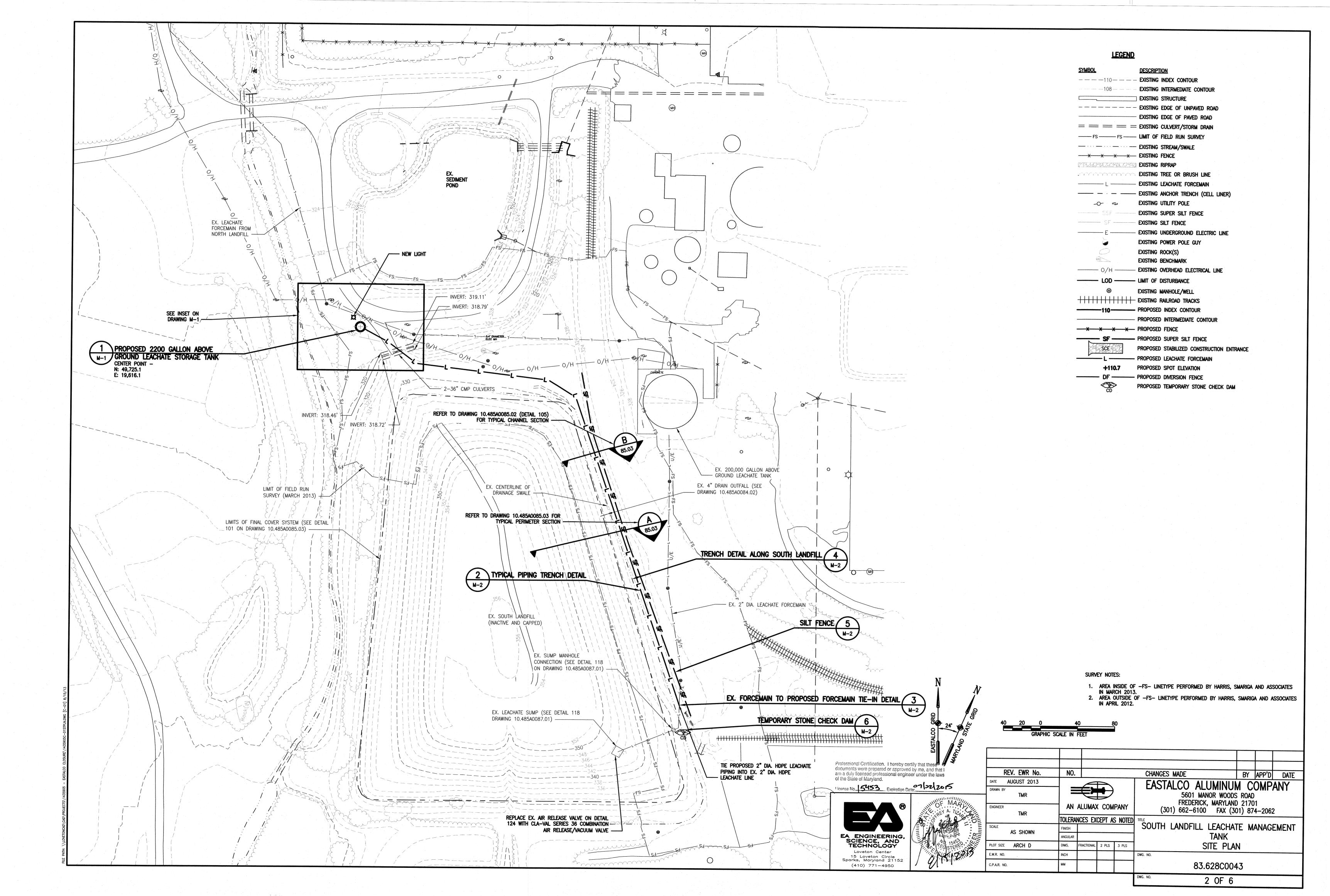
DRAWING ID WHERE SECTION IS TAKEN-

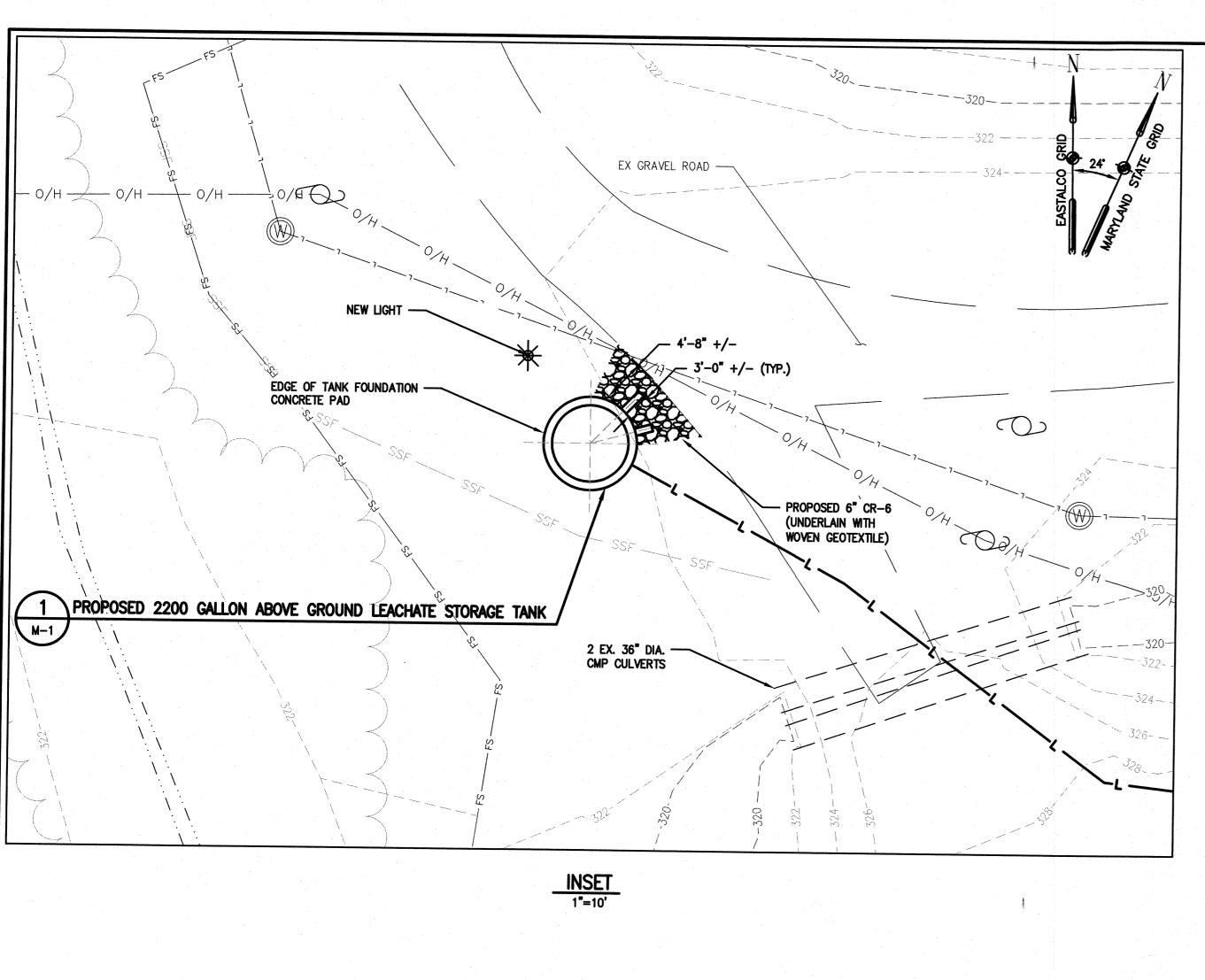
DRAWING NUMBER

## <u>REFERENCE DRAWINGS - NIC</u>

EAC INDUSTRIAL WASTE LANDFILL CLOSURE, FREDERICK, MD - CH2M HILL (1993):

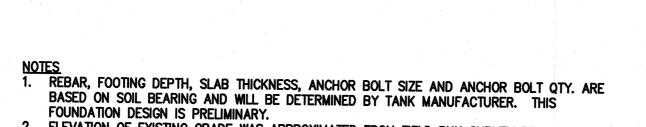
PERMITTING FOR INDUSTRIAL WASTE LANDFILL AND CONSTRUCTION DRAWINGS FOR CELL 1 - EA ENGINEERING, SCIENCE AND TECHNOLOGY, INC. (FEB 1993)





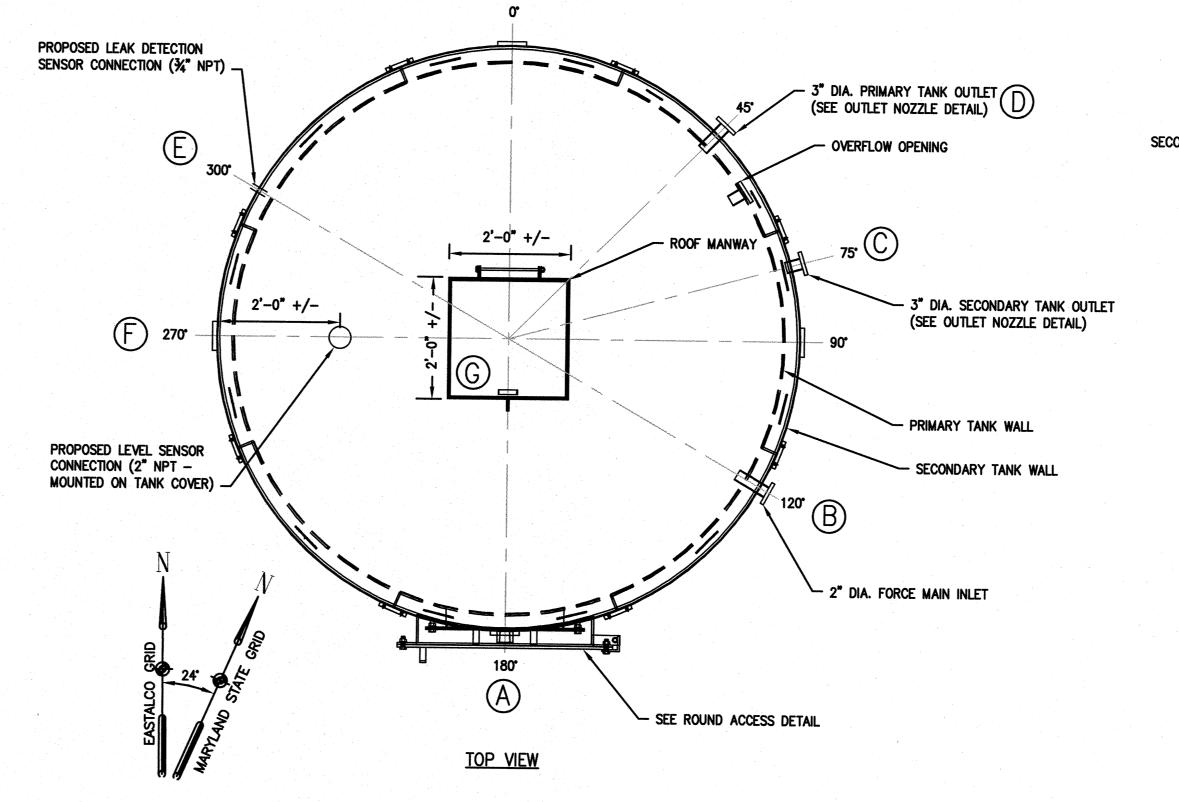
## GENERAL SEQUENCING NOTES:

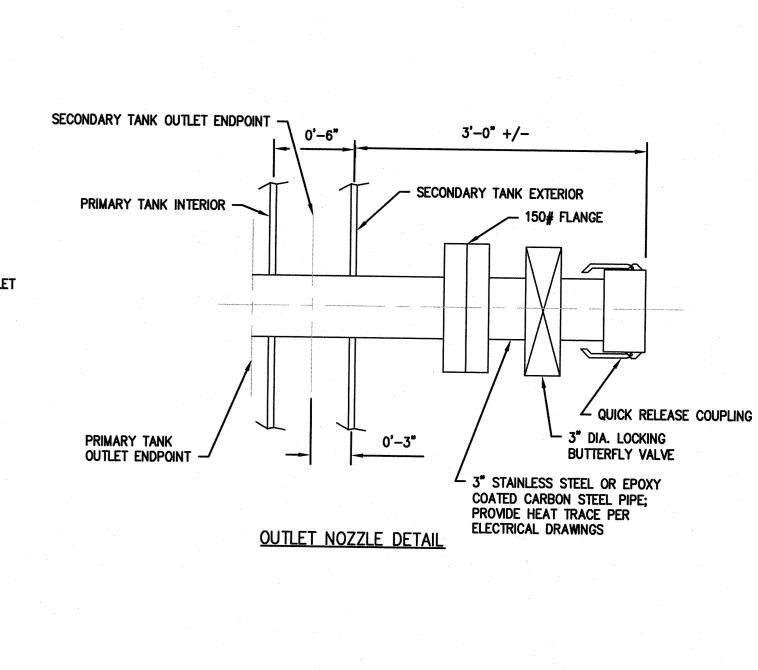
- 1. THE SOUTH LANDFILL LEACHATE PUMPING SYSTEM SHALL CONTINUE TO USE THE 200,000 GALLON TANK UNTIL THE NEW TANK IS READY FOR SERVICE.
- 2. THE EX. LEACHATE LEVEL SENSOR AND FLOWMETER AT THE 200,000 GALLON TANK SHALL REMAIN IN SERVICE WITH POWER UNTIL THE 200,000 GALLON TANK IS DEMOLISHED AFTER CLOSURE OF THE NORTH LANDFILL. POWER, UTILITIES, TANK, WIRE ETC. SHALL BE DEMOLISHED AND REMOVED AT THE EX. 200,000 GALLON TANK AFTER CLOSURE OF THE NORTH LANDFILL.

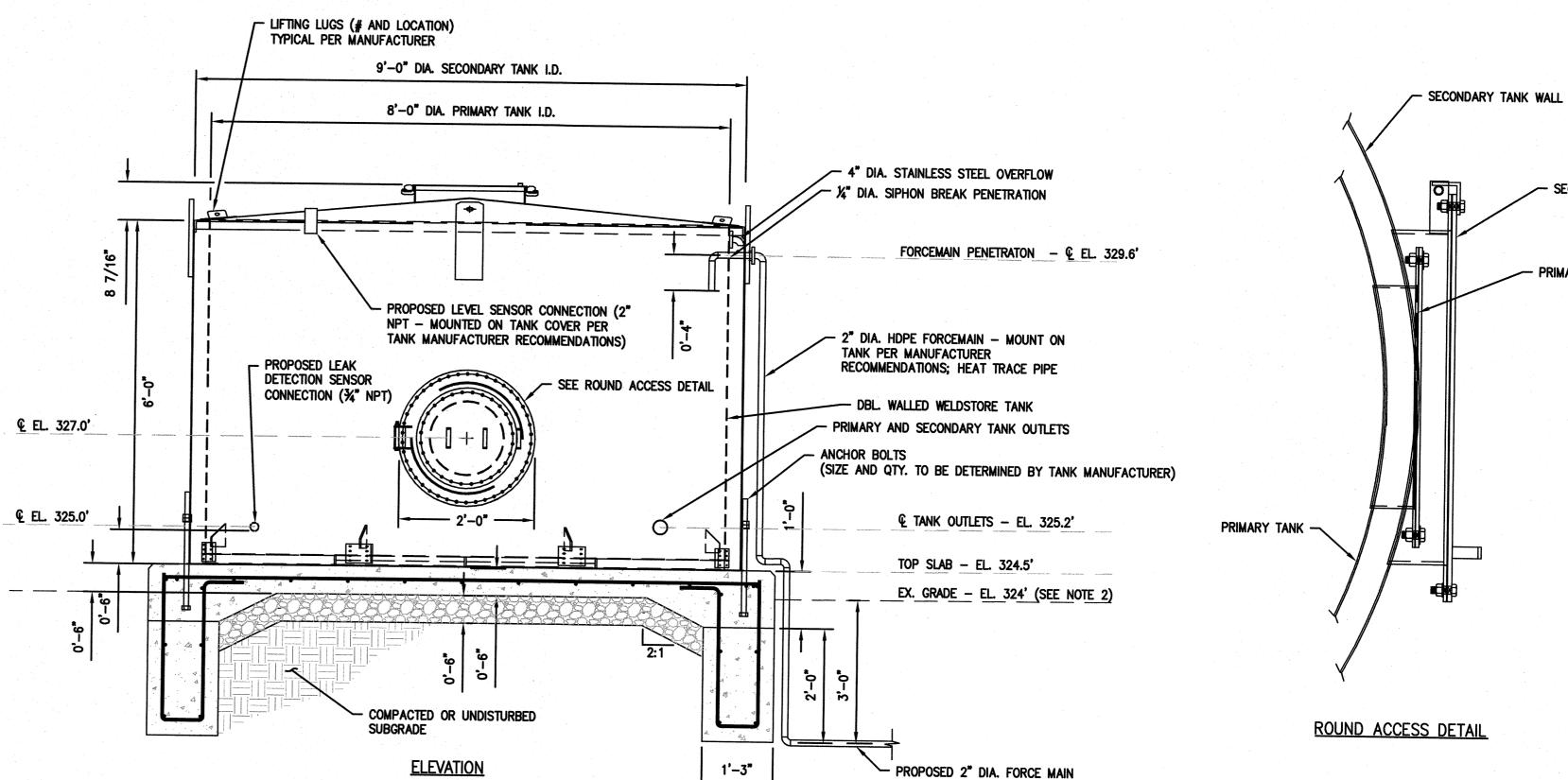


- 2. ELEVATION OF EXISTING GRADE WAS APPROXIMATED FROM FIELD RUN SURVEY PERFORMED MARCH 2013. ALL OTHER ELEVATIONS OF TANK ARE RELATIVE TO THIS ELEVATION.
- MARCH 2013. ALL OTHER ELEVATIONS OF TANK ARE RELATIVE TO THIS ELEVATION.

  3. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION RELATING TO LEAK DETECTION AND LEVEL SENSORS.
- 4. EXCAVATE EX. SOILS UNTIL SUITABLE FOUNDATION SOILS ARE ENCOUNTERED AND BACKFILL WITH CR-6 AND TAMP.
- 5. GUARDRAIL TO ROOF MANWAY NOT SHOWN. GUARDRAIL SHALL BE DESIGNED BY MANUFACTURER TO COMPLY WITH OSHA AND ALCOA FALL PROTECTION STANDARDS.







2,000 GALLON LEACHATE TANK						
SYMBOL	SIZE	QUANTITY	SERVICE	LOCATION	REMARKS	
A	24" DIA.	1	ACCESS HATCH	SIDE	HINGED	
B	2" DIA.	1	FORCEMAIN INLET	SIDE	FLANGED	
0	3" DIA.	1	SECONDARY TANK OUTLET	SIDE	FLANGED	
0	3" DIA.	1	PRIMARY TANK OUTLET	SIDE	FLANGED	
E	3/4" NPT	1	LEAK DETECTION SENSOR CONNECTION	SIDE	THREADED	
(F)	2* NPT	1	LEVEL SENSOR CONNECTION	TOP	THREADED	
<b>©</b>	24"X24"	1	TOP TANK HATCH	TOP	HINGED	

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

REV. EWR No. NO. CHANGES MADE BY APP'D DATE

DATE AUGUST 2013

DRAWN BY

TMR

ENGINEER

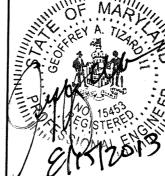
AN ALUMAX COMPANY

(301) 662-6100 FAX (301) 874-2062

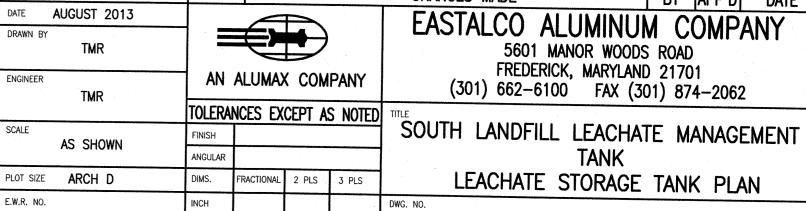
PROPOSED 2200 GALLON ABOVE GROUND LEACHATE STORAGE TANK
NOT TO SCALE



(410) 771-4950



C.P.A.R. NO.

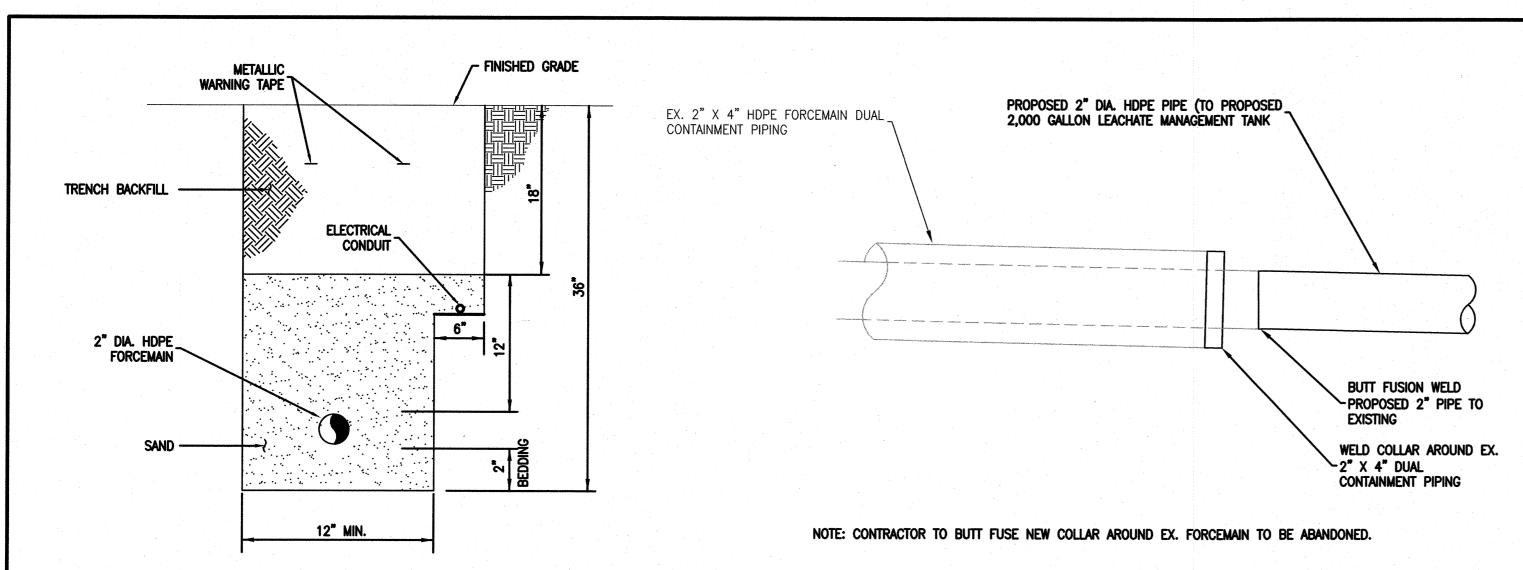


83.628M0044

SECONDARY ROUND ACCESS

PRIMARY ROUND ACCESS

3 OF 6



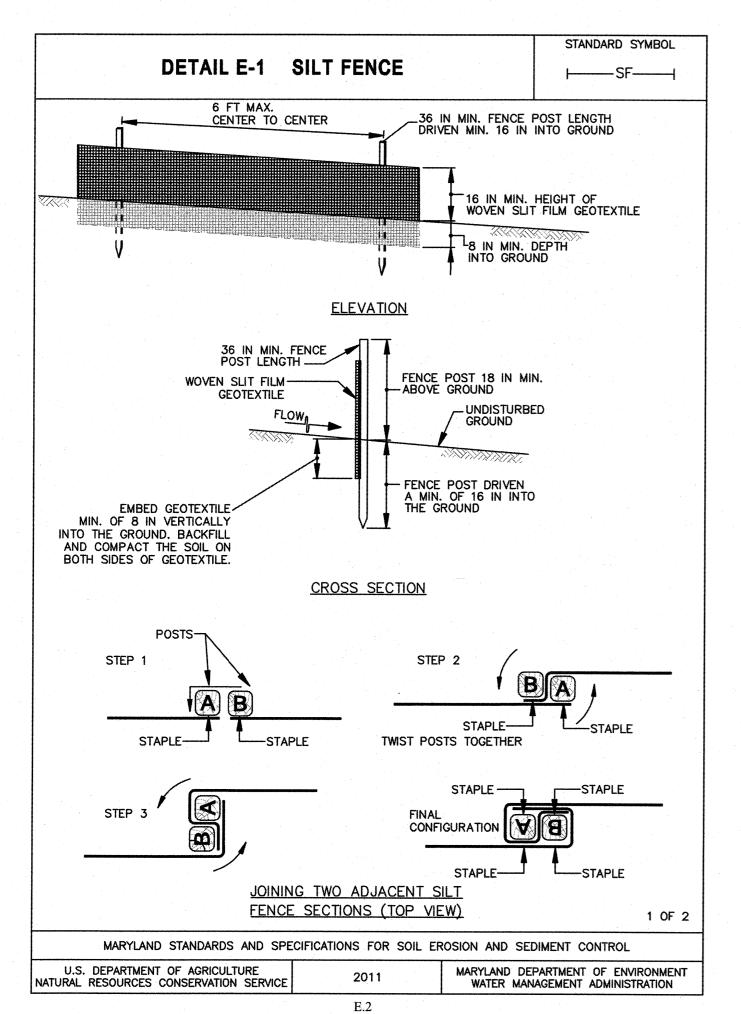
2 TYPICAL PIPING TRENCH DETAIL

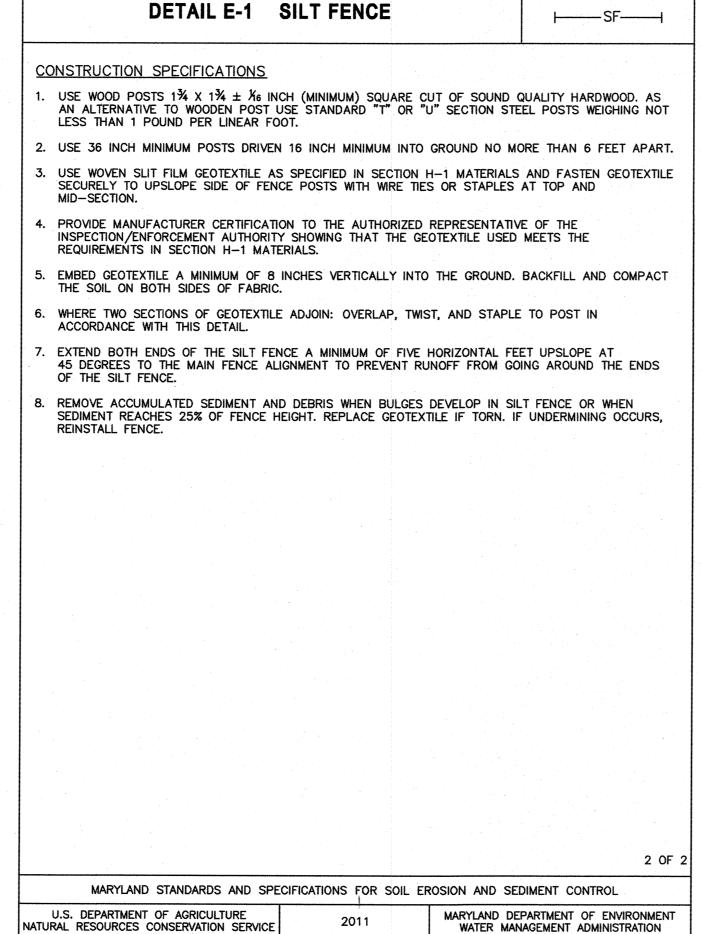
NOT TO SCALE

3 EX. FORCEMAIN TO PROPOSED FORCEMAIN TIE-IN DETAIL

NOT TO SCALE

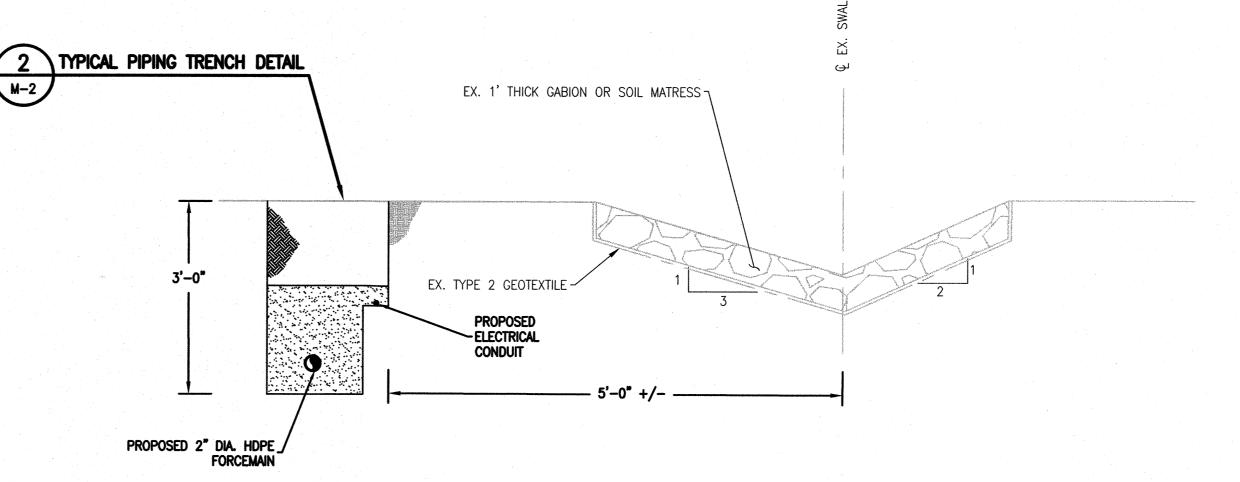
STANDARD SYMBOL





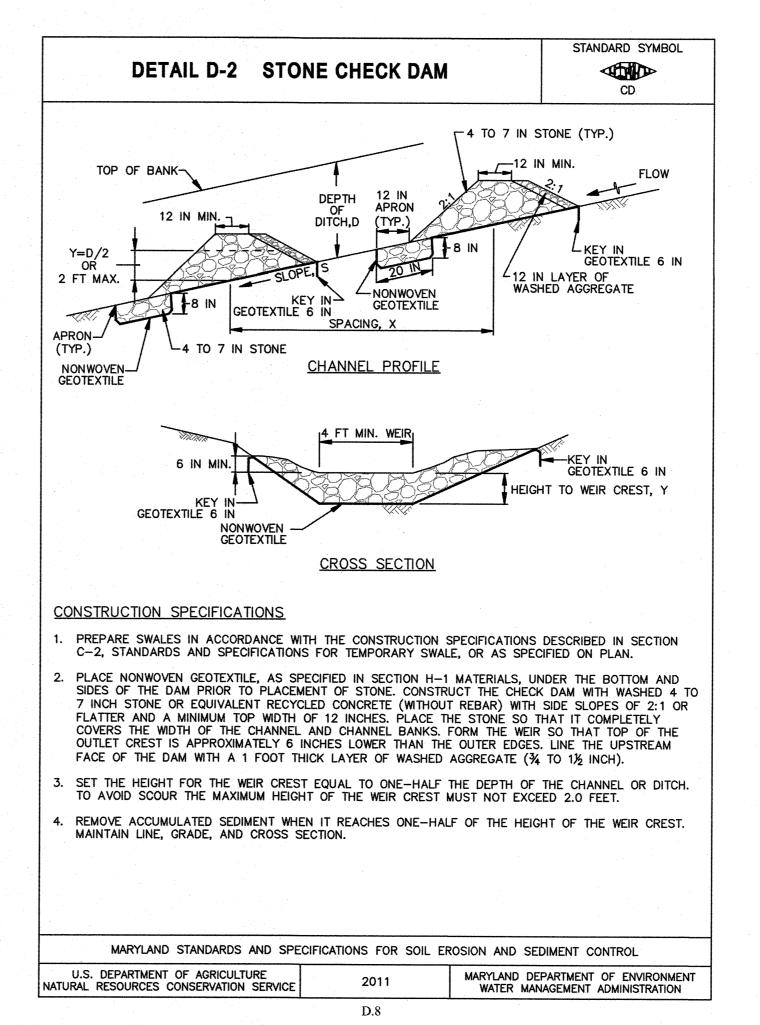
E.3



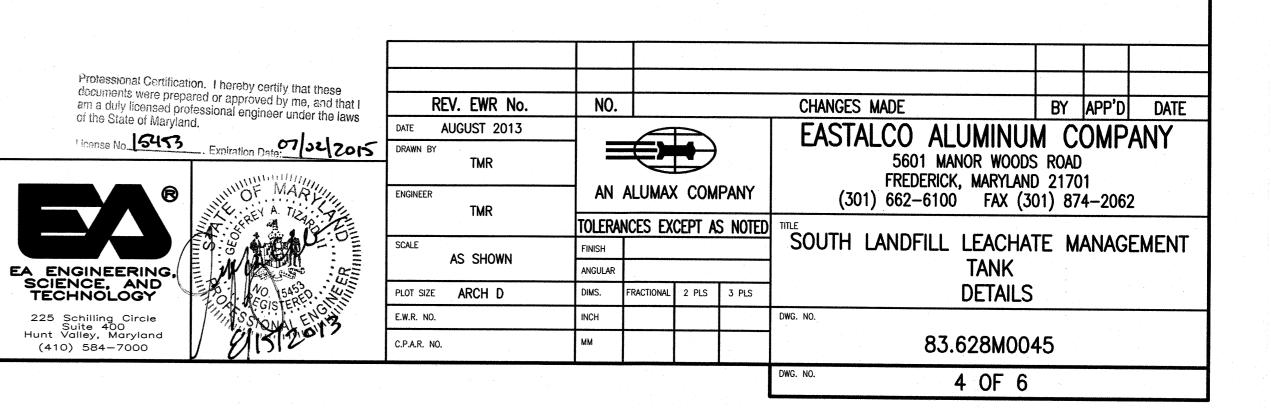


NOTE: THIS DETAIL WAS ADAPTED FROM DETAIL 105 ON DRAWING 10.485A0085.03

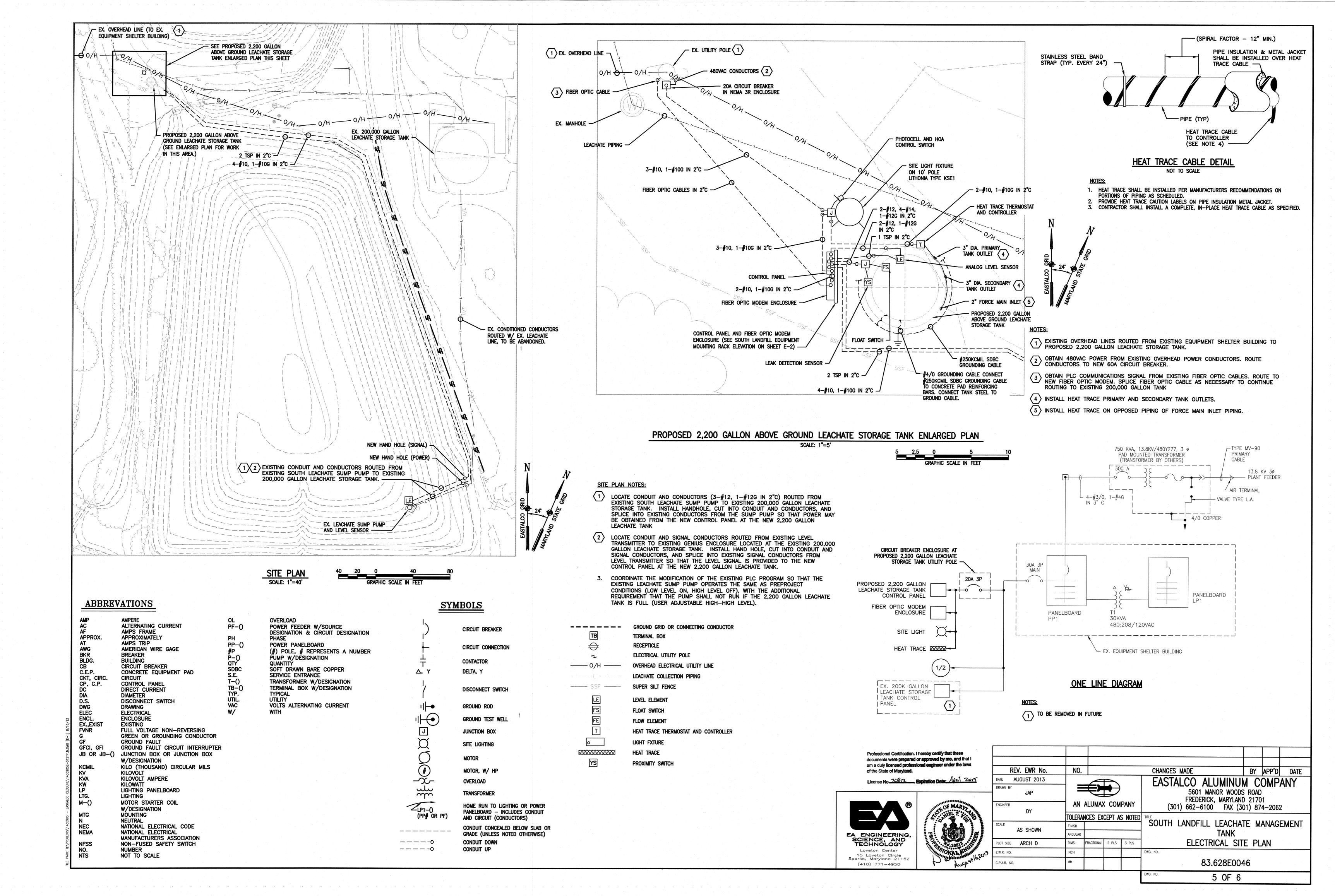
4 TRENCH DETAIL ALONG SOUTH LANDFILL
NOT TO SCALE

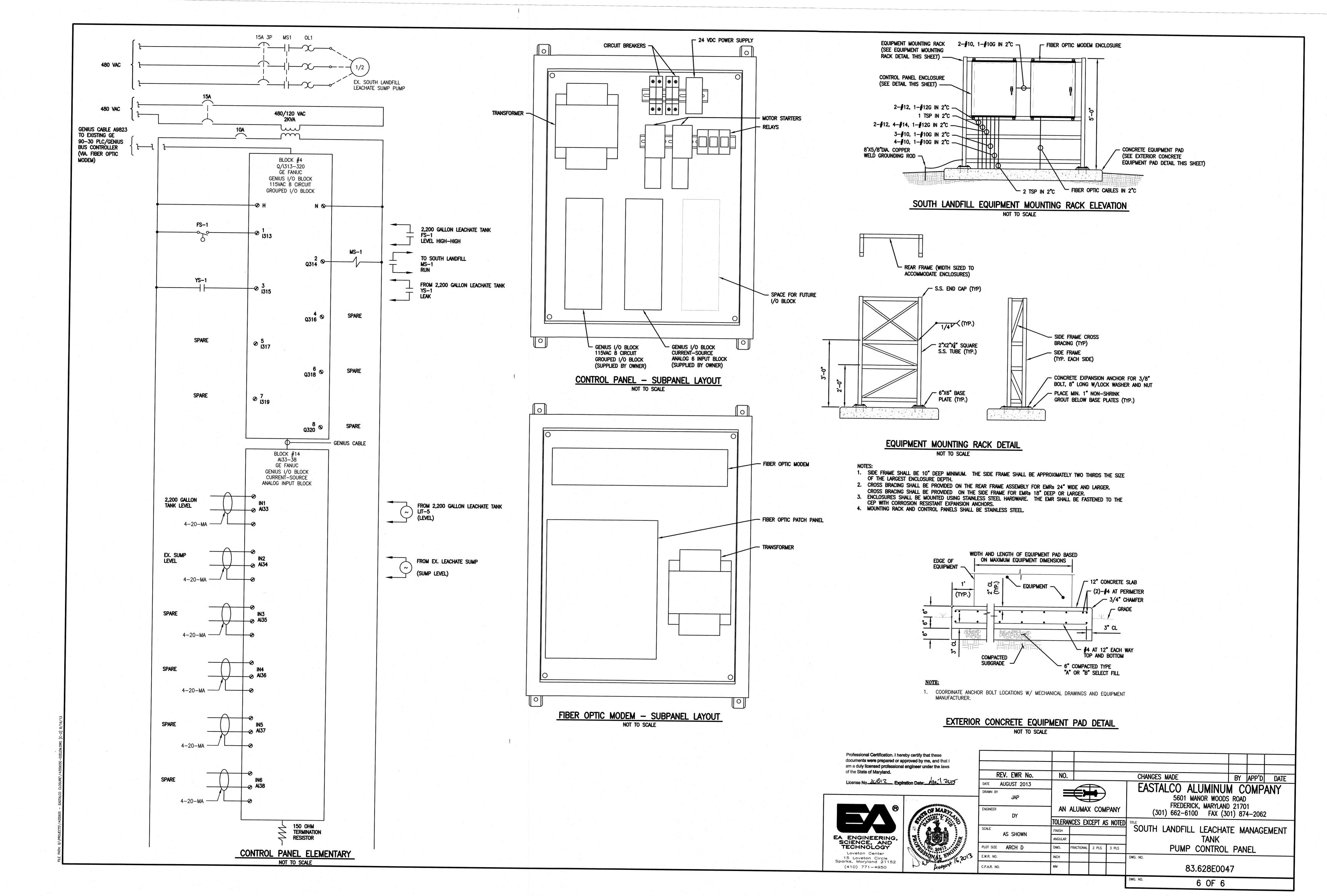


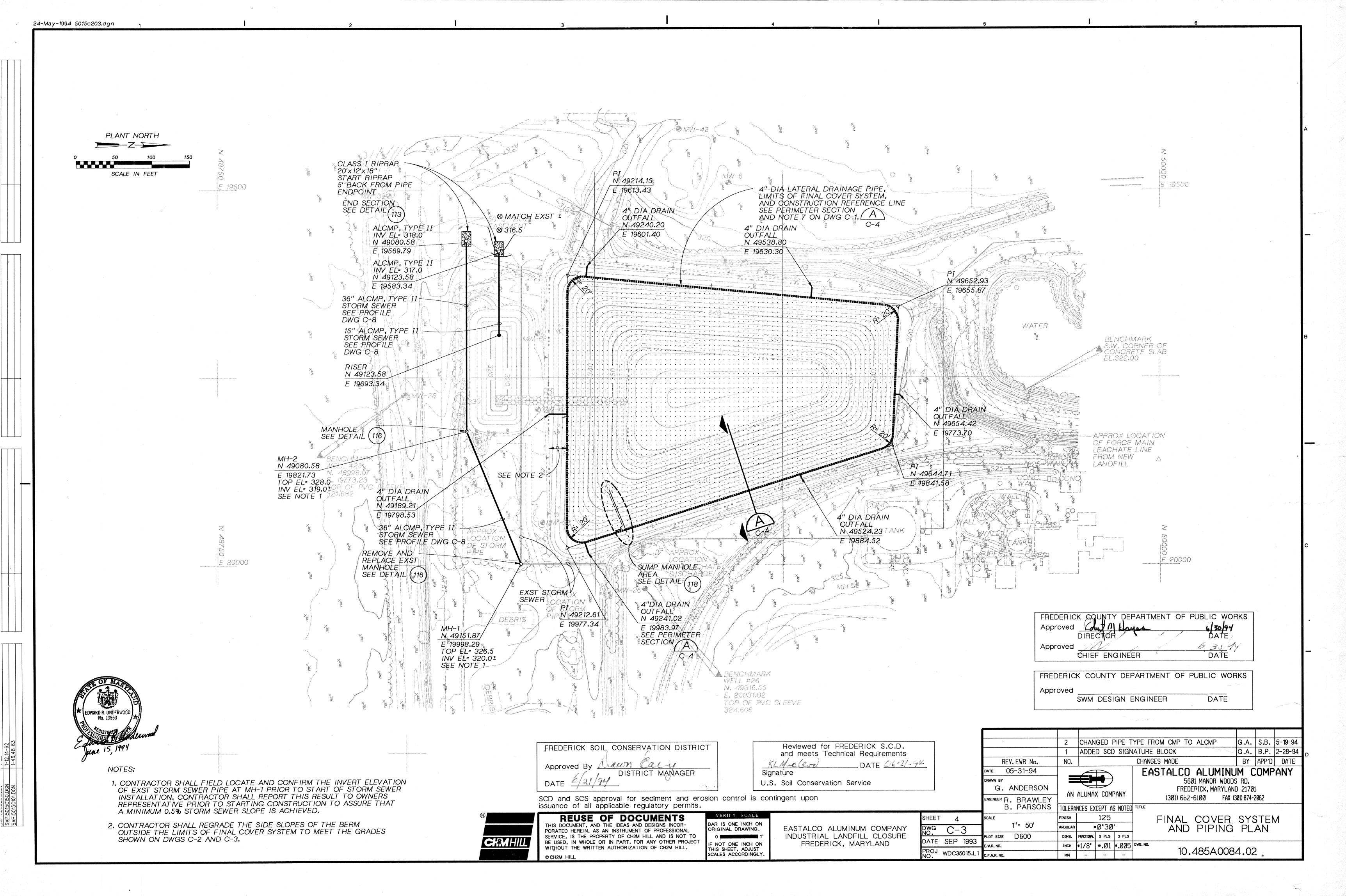


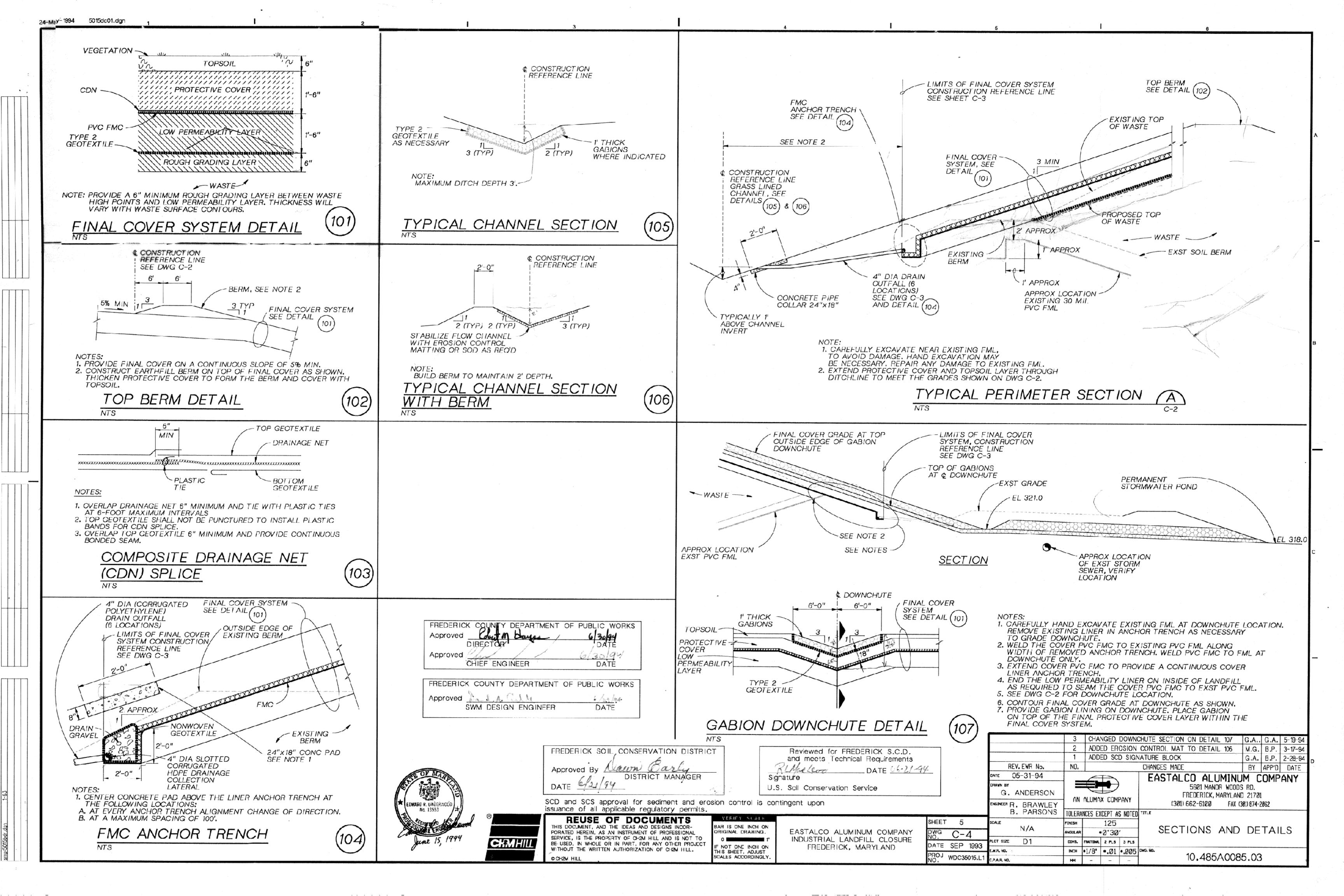


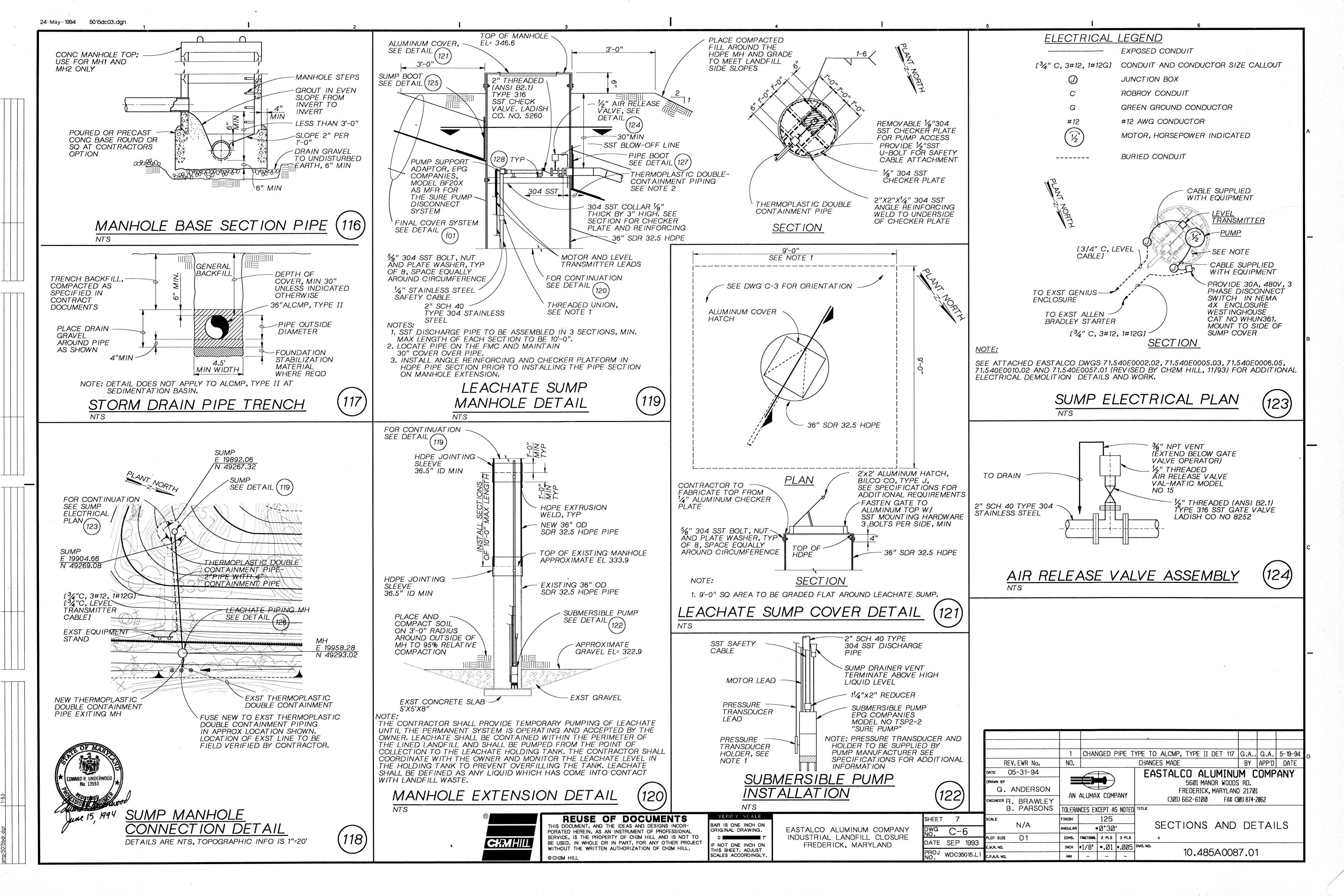
\_OVETONCAD\CAD\PROJECTS\1435905 - EASTALCO CLOSURE\1435905M-02DETAILS.DWG [M-02

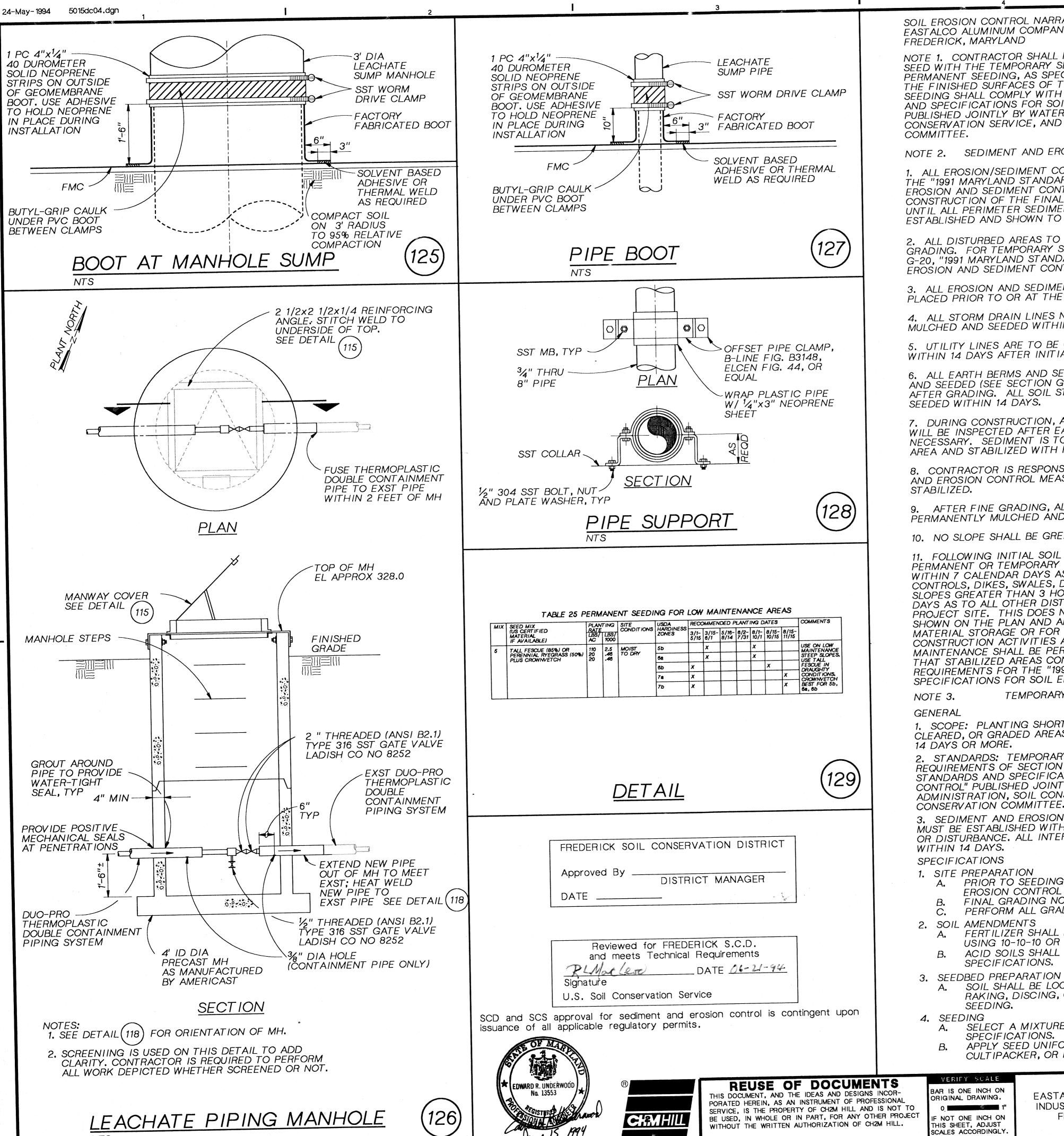












SOIL EROSION CONTROL NARRATIVE EASTALCO ALUMINUM COMPANY,

NOTE 1. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS AND SEED WITH THE TEMPORARY SEED MIX AS SPECIFIED BELOW. PERMANENT SEEDING, AS SPECIFIED BELOW, SHALL BE APPLIED TO THE FINISHED SURFACES OF THE LANDFILL COVER SYSTEM. ALL SEEDING SHALL COMPLY WITH THE "1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION

NOTE 2. SEDIMENT AND EROSION CONTROL NOTES

1. ALL EROSION/SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" AS APPROVED BY THE COUNTY. CONSTRUCTION OF THE FINAL COVER SYSTEM SHALL NOT COMMENCE UNTIL ALL PERIMETER SEDIMENT AND EROSION CONTROLS ARE ESTABLISHED AND SHOWN TO BE EFFECTIVE.

2. ALL DISTURBED AREAS TO BE SEEDED WITHIN 14 DAYS OF INITIAL GRADING. FOR TEMPORARY SEEDING SPECIFICATIONS, SEE SECTION G-20, "1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".

3. ALL EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO OR AT THE INITIATION OF GRADING.

4. ALL STORM DRAIN LINES NOT IN PAVED AREAS ARE TO BE MULCHED AND SEEDED WITHIN 14 DAYS OF INITIAL BACKFILL.

5. UTILITY LINES ARE TO BE COMPACTED, SEEDED, AND MULCHED WITHIN 14 DAYS AFTER INITIAL BACKFILL.

6. ALL EARTH BERMS AND SEDIMENT DAMS ARE TO BE MULCHED AND SEEDED (SEE SECTION G OF ABOVE REFERENCE) WITHIN 7 DAYS AFTER GRADING. ALL SOIL STOCKPILES ARE TO BE MULCHED AND SEEDED WITHIN 14 DAYS.

7. DURING CONSTRUCTION, ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED AFTER EACH RAINFALL AND REPAIRED IF NECESSARY. SEDIMENT IS TO BE REMOVED TO A SUITABLE DISPOSAL AREA AND STABILIZED WITH PERMANENT VEGETATIVE COVER.

8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL MEASURES UNTIL DISTURBED AREAS ARE

9. AFTER FINE GRADING, ALL DISTURBED AREAS ARE TO BE PERMANENTLY MULCHED AND SEEDED (SEE SECTION G).

10. NO SLOPE SHALL BE GREATER THAN 2:1.

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. THIS DOES NOT APPLY TO THOSE AREAS WHICH ARE SHOWN ON THE PLAN AND ARE CURRENTLY BEING USED FOR MATERIAL STORAGE OR FOR THOSE AREAS ON WHICH ACTUAL CONSTRUCTION ACTIVITIES ARE CURRENTLY BEING PERFORMED. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO ENSURE THAT STABILIZED AREAS CONTINUOUSLY MEET THE APPROPRIATE REQUIREMENTS FOR THE "1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

## TEMPORARY SEEDING NOTES

SCOPE: PLANTING SHORT-TERM VEGETATION TO DISTURBED, CLEARED, OR GRADED AREAS SUBJECT TO EROSION FOR A PERIOD OF 14 DAYS OR MORE.

2. STANDARDS: TEMPORARY SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF SECTION G-20 OF THE "1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE.

3. SEDIMENT AND EROSION CONTROL: ALL PERIMETER CONTROLS MUST BE ESTABLISHED WITHIN 2 DAYS AFTER COMPLETION OF GRADING OR DISTURBANCE, ALL INTERIOR CONTROLS MUST BE ESTABLISHED WITHIN 14 DAYS.

## **SPECIFICATIONS**

- 1. SITE PREPARATION A. PRIOR TO SEEDING, INSTALL ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES.
  - FINAL GRADING NOT REQUIRED FOR TEMPORARY SEEDING. PERFORM ALL GRADING AT RIGHT ANGLES TO THE SLOPE.
- A. FERTILIZER SHALL BE APPLIED AT THE RATE OF 600 LBS/ACRE USING 10-10-10 OR EQUIVALENT.
- ACID SOILS SHALL BE LIMED, AS PER MARYLAND STANDARD SPECIFICATIONS.
- SOIL SHALL BE LOOSENED TO A DEPTH OF 3 INCHES BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS, PRIOR TO SEEDING.
- A. SELECT A MIXTURE FROM TABLE 26 IN STANDARD SPECIFICATIONS.
- APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER DRILL, CULTIPACKER, OR HYDROSEEDER.

EASTALCO ALUMINUM COMPANY

INDUSTRIAL LANDFILL CLOSURE

FREDERICK, MARYLAND

SHEET 8

C-7

DATE SEP 1993

PROJ WDC35015.L

5. MULCHING

A. MULCH SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. MULCH MATERIALS AND APPLICATIONS SHALL CONFORM TO THE STANDARD SPECIFICATIONS.

PERMANENT SEEDING AND SOD NOTES

## **GENERAL**

1. SCOPE: PLANTING PERMANENT, LONG-LIVED VEGETATIVE COVER ON FINAL GRADED OR CLEARED AREAS WITHIN 90 DAYS AFTER COMPLETION OF FINAL GRADED OR OTHERWISE DISTURBED AREAS.

2. STANDARDS: PERMANENT SEEDING SHALL CONFORM TO ALL REQUIREMENTS OF SECTION G-20 OF THE "1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY WATER RESOURCES ADMINISTRATION, SOIL CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE.

## SPECIFICATIONS

- PRIOR TO SEEDING, INSTALL ALL REQUIRED SEDIMENT AND EROSION CONTROL MEASURES.
- FINE GRADING REQUIRED FOR PERMANENT SEEDING.

## 2. SOIL AMENDMENTS

- FERTILIZER SHALL BE APPLIED AT THE RATE OF 500 LBS/ACRE USING 10-10-10 OR EQUIVALENT.
- 3. SEEDBED PREPARATION SOIL SHALL BE LOOSENED TO A DEPTH OF 3 INCHES BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS PRIOR TO
- APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, OR HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER ON A FIRM, MOIST SEEDBED). USE A CULTIPACKER SEEDER WITH MAXIMUM SEEDING DEPTH SHOULD BE 1/4 INCH ON CLAYEY SOILS AND 1/2 INCH ON SANDY SOILS, WHEN USING OTHER THAN HYDROSEEDER METHOD OF APPLICATION. NOTE: IF HYDROSEEDING IS USED AND THE SEED AND FERTILIZER IS MIXED, THEY WILL BE MIXED ONSITE AND THE SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.

## 4. SEEDING

USE MIX 5 WITH CROWN VETCH FROM TABLE 25 IN STANDARD SPECIFICATIONS, AS SHOWN IN DETAIL 129.

## 5. MULCHING

MULCH SHALL BE APPLIED ON ALL DISTURBED AREAS DURING OR IMMEDIATELY AFTER PERMANENT SEEDING, THE CONTRACTOR SHALL IDENTIFY THE TYPE AND APPLICATION RATE OF MULCH TO THE OWNER BEFORE COMMENCING PERMANENT SEEDING WORK.

## SEQUENCE OF CONSTRUCTION

1. NOTIFY SEDIMENT CONTROL INSPECTOR 24 HOURS PRIOR TO START OF CONSTRUCTION. (694-1679)

2. PERFORM CLEARING AND GRUBBING REQUIRED FOR POND AND PERIMETER CHANNELS.

3. INSTALL POND AND PERIMETER CONTROLS; NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PRECEDING.

4. COMPLETE ALL REQUIRED CLEARING AND GRUBBING. 5. GRADE ACCESS ROAD TO BORROW AREA; CONSTRUCT STABILIZED

CONSTRUCTION ENTRANCE. 6. START ROUGH GRADING.

7. INSTALL SITE PIPING AND PERFORM DEMOLITION WORK AS INDICATED.

8. COMPLETE CONSTRUCTION OF LANDFILL CLOSURE INCLUDING SITE GRADING, COVER GEOMEMBRANE INSTALLATION, DRAINAGE AND LEACHATE CONTROLS.

9. PERFORM TEMPORARY SEEDING AS INDICATED ON DWG. C-7. 10. WITH APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE TEMPORARY SILT FENCE WHEN SITE IS STABILIZED.

11. PERIODICALLY CLEAN AND REPAIR TEMPORARY SEDIMENT/STORMWATER POND TO DESIGN DIMENSIONS. 12. WHEN CLOSURE CAP FINAL GRADES ARE ACHIEVED, STABILIZE WITH TOPSOIL AND PERMANENT SEEDING AS REQUIRED ON THE

DRAWINGS. 13. CHANGE TEMPORARY SEDIMENTATION BASIN TO STORMWATER POND BY REMOVING DEWATERING DEVICE AND CLEANING OUT THE POND TO THE DESIGN ELEVATIONS, AS INDICATED ON DWG C-5. 14. NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL TO REMOVE TEMPORARY SEDIMENT TRAP. PERIMETER CHANNELS AND STORMWATER POND SHALL REMAIN IN PLACE.

\*INCLUDES NOTIFICATION OF SEDIMENT CONTROL INSPECTOR, CLEARING AND GRUBBING, STABILIZATION OF PERMANENT SWALES AND BERMS, AND REMOVAL OF TEMPORARY MEASURES UPON APPROVAL.

						7
	3	MODI	FIED S	EQUEN	NCE OF CONSTRUCTION NOTE 1 G.A. S.B. 5-19-94	1
	2				NCE OF CONSTRUCTION NOTE 13 M.G. B.P. 3-17-94	1
	1				NATURE BLOCK G.A. B.P. 2-28-94	
REV. EWR No.	NO.	T NO DE			CHANGES MADE BY APP'D DATE	
DATE 05-31-94	1101				EASTALCO ALUMINUM COMPANY	ı
G. ANDERSON	AN ALUMAX COMPANY TOLERANCES EXCEPT AS NOTED		PANY	5601 MANOR WOODS RD. FREDERICK, MARYLAND 21701		
ENGINEER R. BRAWLEY B. PARSONS				(301) 662-6100 FAX (301) 874-2062		
SCALE N/A	FINISH ANGULAR		125 0°30	,	SECTIONS AND DETAILS	
PLOT SIZE D1	DIMS.	FRACTIONAL	2 PLS	3 PLS		
E.W.R. NO.	INCH	•1/8"	*.01	<b>*.</b> 005	10.485A0088.03	
C.P.A.R. NO.	ММ	10.465A0066.03		10.460A0060.03		