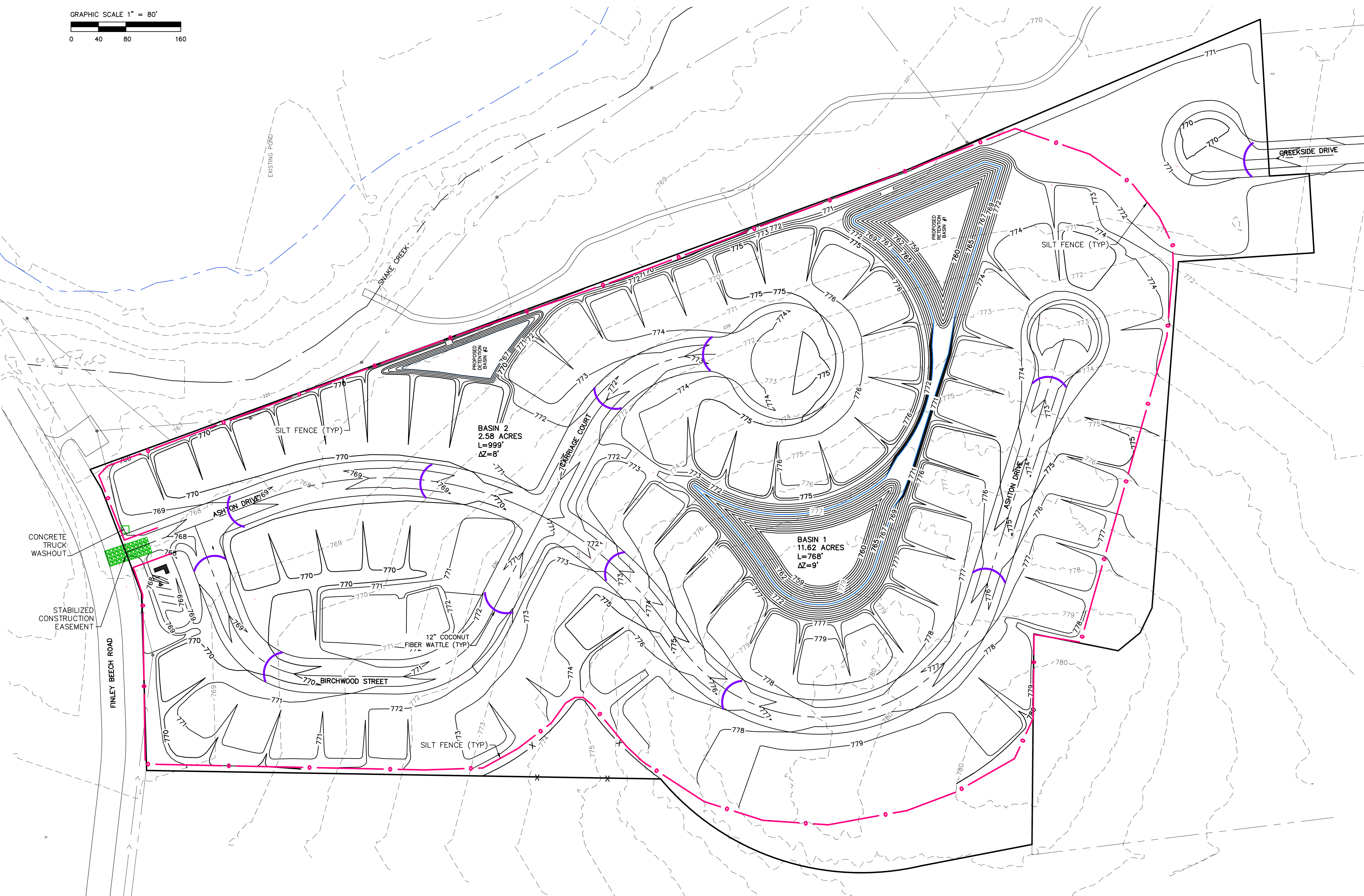
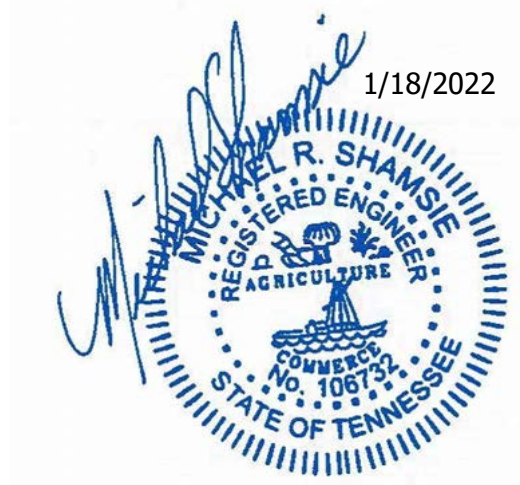
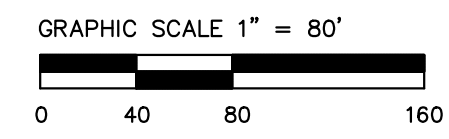


INITIAL EROSION AND SEDIMENT CONTROL PLAN

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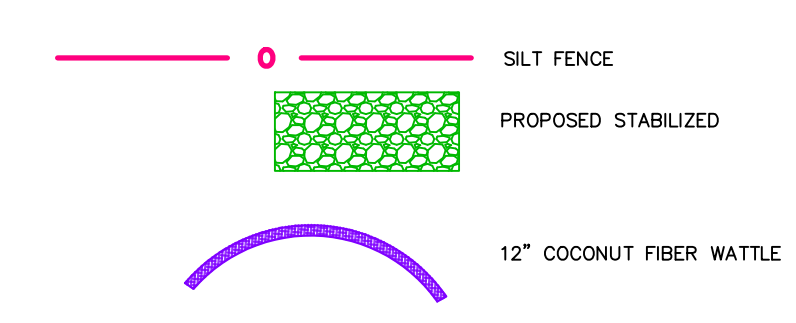
CONSTRUCTION SEQUENCING

1. INSTALLATION OF SOIL EROSION AND SEDIMENT CONTROL SE/SC MEASURES
 - A.) SELECTIVE VEGETATION REMOVAL FOR SILT FENCE INSTALLATION
 - B.) SILT FENCE INSTALLATION
 - C.) CONSTRUCTION FENCING AROUND AREAS NOT TO BE DISTURBED
 - D.) STABILIZED CONSTRUCTION ENTRANCE
2. TREE REMOVAL WHERE NECESSARY (CLEARING & GRUBBING)
3. CONSTRUCT SEDIMENT TRAPPING DEVICES (SEDIMENT TRAPS, BASINS...)
4. CONSTRUCT DETENTION FACILITIES AND OUTLET CONTROL STRUCTURE WITH RESTRICTOR & TEMPORARY PERFORATED RISER.
5. STRIP TOPSOIL, STOCKPILE TOPSOIL AND GRADE SITE.
6. TEMPORARILY STABILIZE TOPSOIL STOCKPILES (SEED AND SILT FENCE AROUND TOE OF SLOPE).
7. INSTALL STORM SEWER, SANITARY SEWER, WATERMAIN AND RELATED APPURTENANCES.
8. INSTALL INLET & OUTLET PROTECTION.
9. PERMANENTLY STABILIZE DETENTION BASINS WITH SEED, FERTILIZER AND EROSION CONTROL BLANKET.
10. STABILIZE ALL AREAS INCLUDING LOTS THAT HAVE REACHED GRADE.
11. INSTALL ACCESS ROADWAY AND PARKING LOT.
12. PERMANENTLY STABILIZE ALL LOT AREAS.
13. INSTALL COMMON STRUCTURES AND AMENITIES.

SOIL EROSION CONTROL NOTES

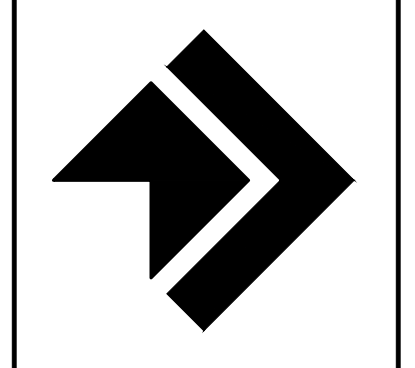
- A. SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
- B. FOR THOSE DEVELOPMENTS THAT REQUIRE A DESIGNATED EROSION CONTROL INSPECTOR (DECI), INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
 - UPON COMPLETION OF SEDIMENT AND RUNOFF CONTROL MEASURES (INCLUDING PERIMETER CONTROLS AND DIVERSIONS), PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING.
 - AFTER EVERY SEVEN (7) CALENDAR DAYS OR STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- C. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE PERMITEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- D. A STABILIZED MAT OF CRUSHED STONE MEETING DOT GRADATION CA-1 UNDERLAIN WITH FILTER FABRIC AND IN ACCORDANCE WITH THE TDOT STANDARD DETAILS, OR OTHER APPROPRIATE MEASURE(S) AS APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- E. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN.
- F. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) CALENDAR DAYS FOLLOWING THE END OF ACTIVE HYDROLOGIC DISTURBANCE OR RE-DISTURBANCE.
- G. ALL STOCKPILES SHALL HAVE APPROPRIATE MEASURES TO PREVENT EROSION. STOCKPILES SHALL NOT BE PLACED IN FLOOD PRONE AREAS OR WETLANDS AND DESIGNATED BUFFERS.
- H. SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH APPROPRIATE MEASURES AS APPROVED BY THE ENFORCEMENT OFFICER.
- I. APPROPRIATE EROSION CONTROL BLANKET SHALL BE INSTALLED ON ALL INTERIOR DETENTION BASIN SIDE SLOPES BETWEEN THE NORMAL WATER LEVEL AND HIGH WATER LEVEL.
- J. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
- K. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DISCHARGES SHALL BE ROUTED THROUGH AN APPROVED ANIONIC POLYMER DEWATERING SYSTEM OR A SIMILAR MEASURE AS APPROVED BY THE ENFORCEMENT OFFICER. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE ENFORCEMENT OFFICER, OR APPROVED REPRESENTATIVE, MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- L. IF INSTALLED SOIL EROSION AND SEDIMENT CONTROL MEASURES DO NOT MINIMIZE SEDIMENT LEAVING THE DEVELOPMENT SITE, ADDITIONAL MEASURES SUCH AS ANIONIC POLYMERS OR FILTRATION SYSTEMS MAY BE REQUIRED BY THE ENFORCEMENT OFFICER.
- M. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- N. ALL TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
- O. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, ENFORCEMENT OFFICER, OR OTHER GOVERNING AGENCY.

EROSION CONTROL LEGEND



NO.	REVISIONS DESCRIPTION	DATE

Landmark
ENGINEERING GROUP
 3440 38TH AVENUE, SUITE 4
 (615) 753-3400
 CIVIL ENGINEERING AND LAND SURVEYING
 TENNESSEE DESIGN FIRM NUMBER P-21044



INITIAL EROSION AND SEDIMENT CONTROL PLAN
 SADDLE CREEK SUBDIVISION - SECTION N
 LEWISBURG, TENNESSEE

DATE: 1/18/2022
 DRAWN BY: TCH
 DESIGNED BY: TCH
 CHECKED BY: MRS

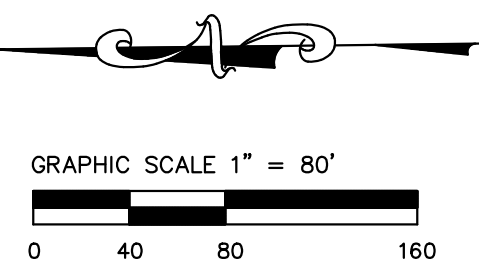
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INTERIM EROSION AND SEDIMENT CONTROL PLAN

"CALL 1-800-531-1111 OR 811 BEFORE YOU DIG"



WET VOLUME STORAGE V1 = (2.58)(67)= 173 CY
 DRY VOLUME STORAGE V2 = 173 CY

FOREBAY 1 STORAGE REQUIRED = (2.26)(67)(0.25)=37.4 CY
 FOREBAY 1 STORAGE PROVIDED = 57.0 CY

LARGE FOREBAY #1 VOLUME PROVIDED FROM 764 TO 766 = 271 CY
 LARGE FOREBAY #1 VOLUME PROVIDED FROM 766 TO 768 = 483 CY
 TOTAL FOREBAY VOLUME PROVIDED = 754 CY

WET VOLUME STORAGE V1 = (11.62)(67)= 779 CY
 DRY VOLUME STORAGE V2 = 779 CY

FOREBAY 2 STORAGE REQUIRED = (3.88)(67)(0.25)=64.99 CY
 FOREBAY 2 STORAGE PROVIDED = 88.0 CY

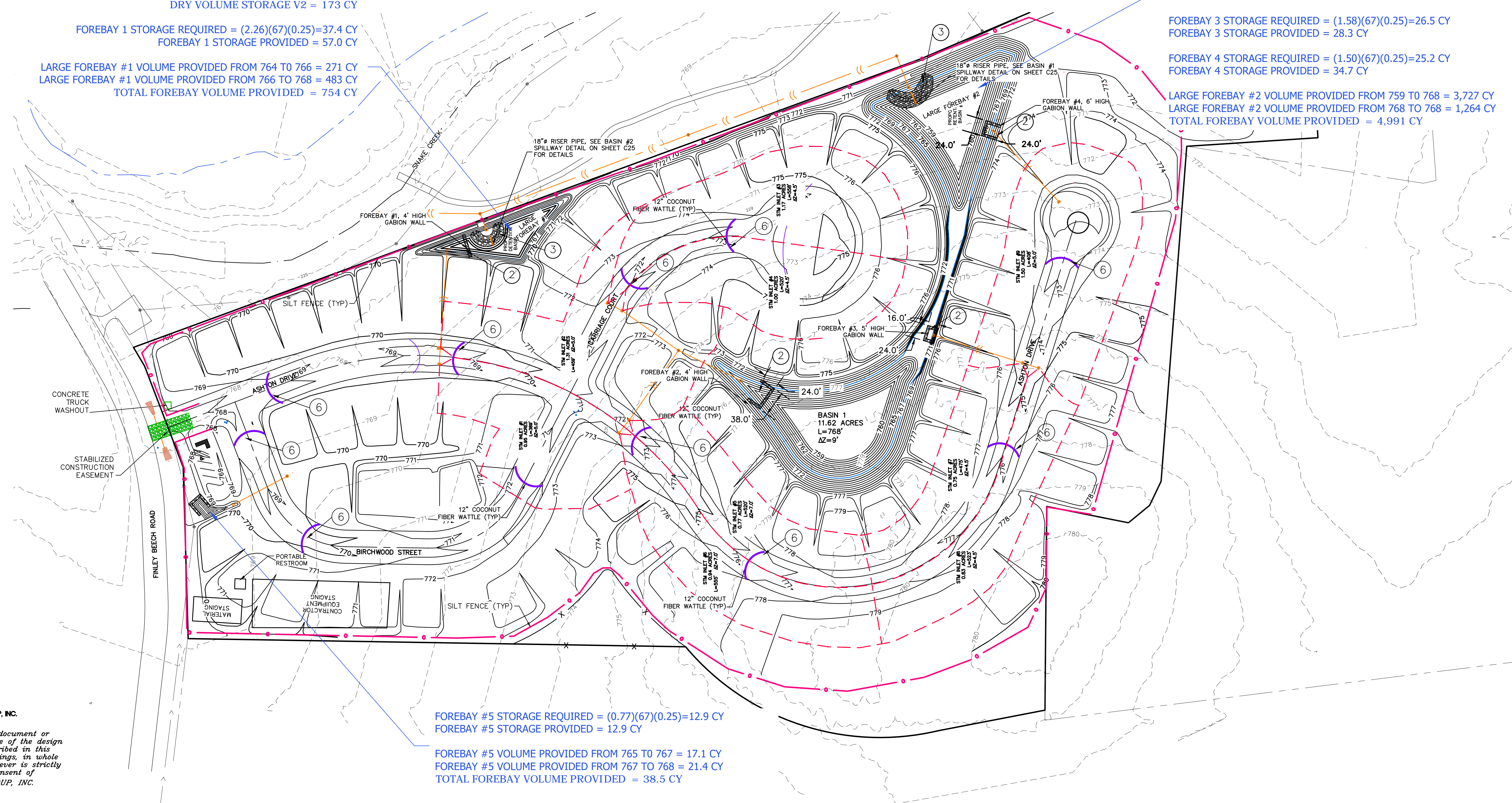
FOREBAY 3 STORAGE REQUIRED = (1.58)(67)(0.25)=26.5 CY
 FOREBAY 3 STORAGE PROVIDED = 28.3 CY

FOREBAY 4 STORAGE REQUIRED = (1.50)(67)(0.25)=25.2 CY
 FOREBAY 4 STORAGE PROVIDED = 34.7 CY

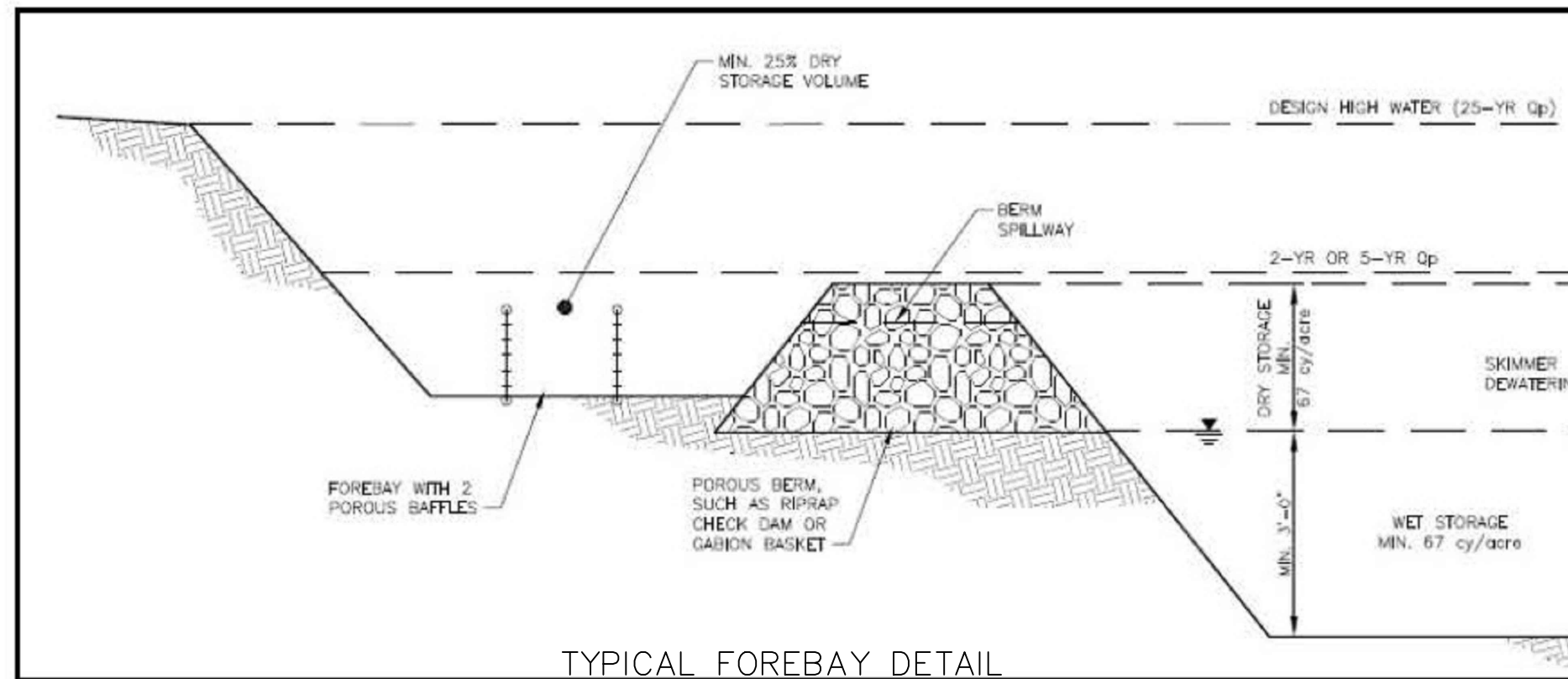
LARGE FOREBAY #2 VOLUME PROVIDED FROM 759 TO 768 = 3,727 CY
 LARGE FOREBAY #2 VOLUME PROVIDED FROM 768 TO 768 = 1,264 CY
 TOTAL FOREBAY VOLUME PROVIDED = 4,991 CY

FOREBAY #5 STORAGE REQUIRED = (0.77)(67)(0.25)=12.9 CY
 FOREBAY #5 STORAGE PROVIDED = 12.9 CY

FOREBAY #5 VOLUME PROVIDED FROM 765 TO 767 = 17.1 CY
 FOREBAY #5 VOLUME PROVIDED FROM 767 TO 768 = 21.4 CY
 TOTAL FOREBAY VOLUME PROVIDED = 38.5 CY

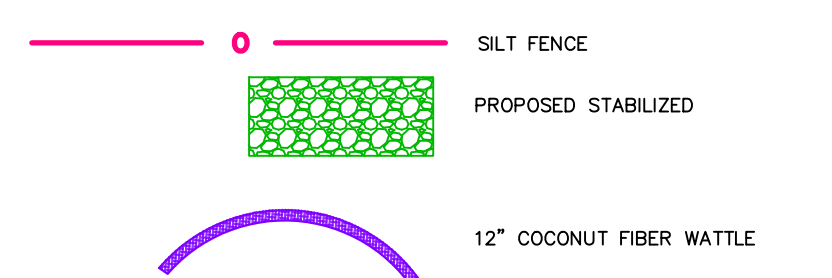


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1. POROUS BAFFLES
2. FOREBAY SEDIMENT TRAP
3. EARTHEN DAM / SPILLWAY WITH STRUCTURAL DEWATERING DEVICE PER TDEC STANDARDS AND DETAILS PROVIDED HEREIN
4. RIP RAP OVERFLOW SPILLWAY PER DETAILS
5. RIP RAP CHECK DAM FOR FOREBAY VOLUME
6. COCONUT WATTLES
7. NA GREEN TURF REINFORCEMENT MAT P550 OR APPROVED EQUAL

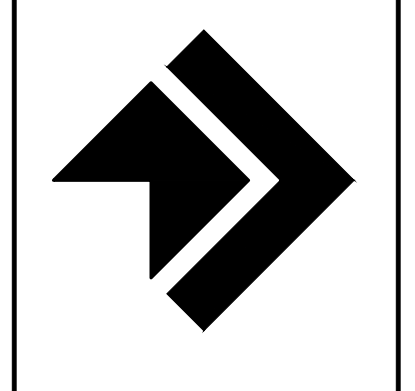
EROSION CONTROL LEGEND



1/18/2022
 REGISTERED ENGINEER
 R. SHAMSI
 CIVIL ENGINEERING
 STATE OF TENNESSEE

NO.	REVISIONS DESCRIPTION	DATE

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 (615) 752-5466
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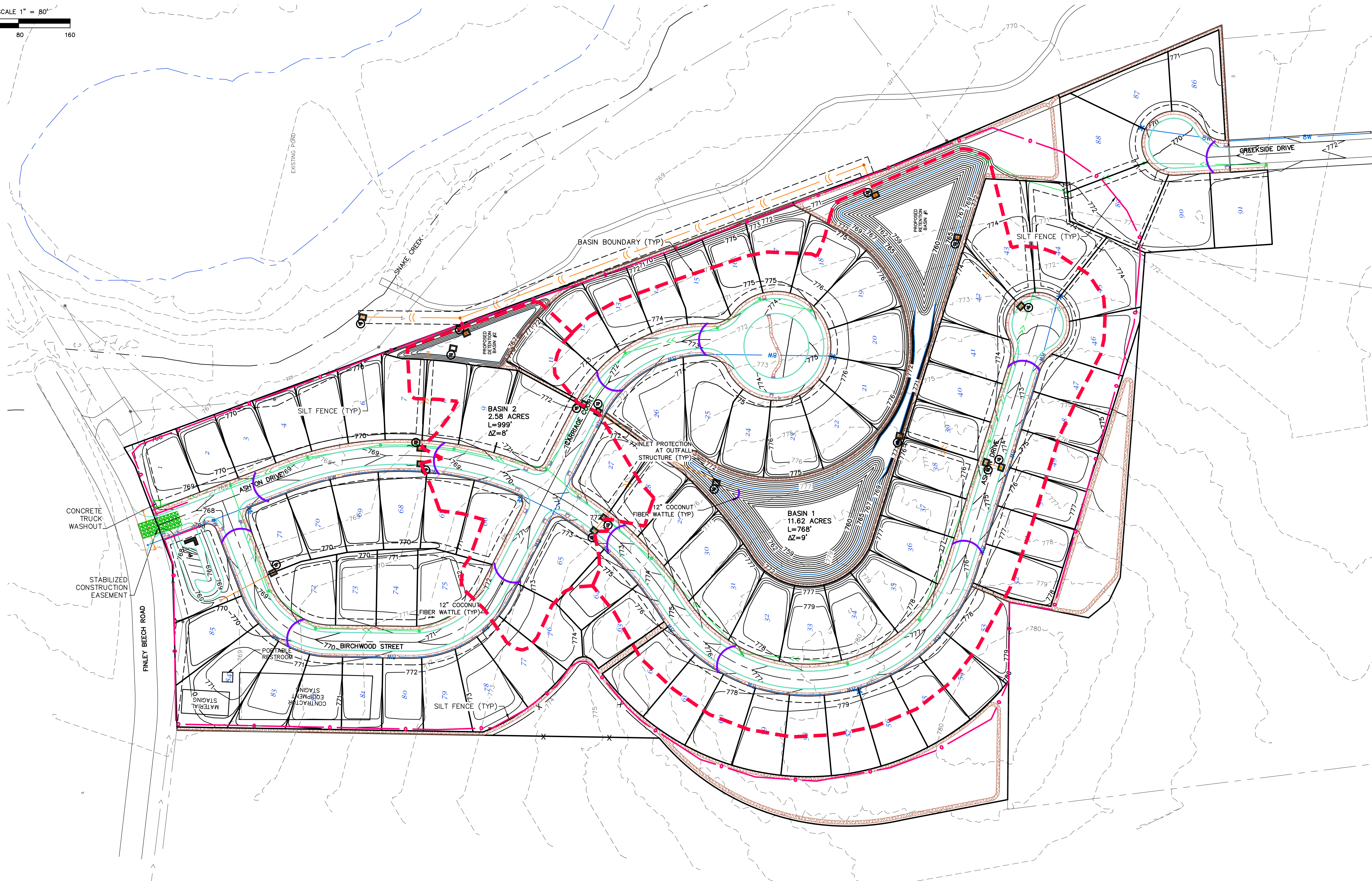
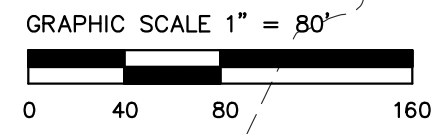
INTERIM EROSION AND SEDIMENT CONTROL PLAN
 SADDLE CREEK SUBDIVISION - SECTION N
 LEWISBURG, TENNESSEE

DATE: 1/18/2022
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 DESIGNED BY: TCH
 CHECKED BY: MRS

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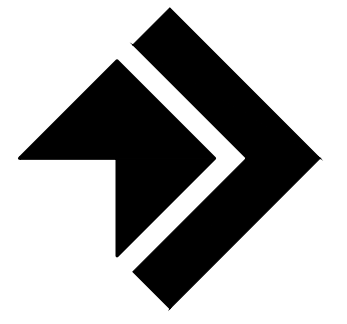
FINAL EROSION AND SEDIMENT CONTROL PLAN

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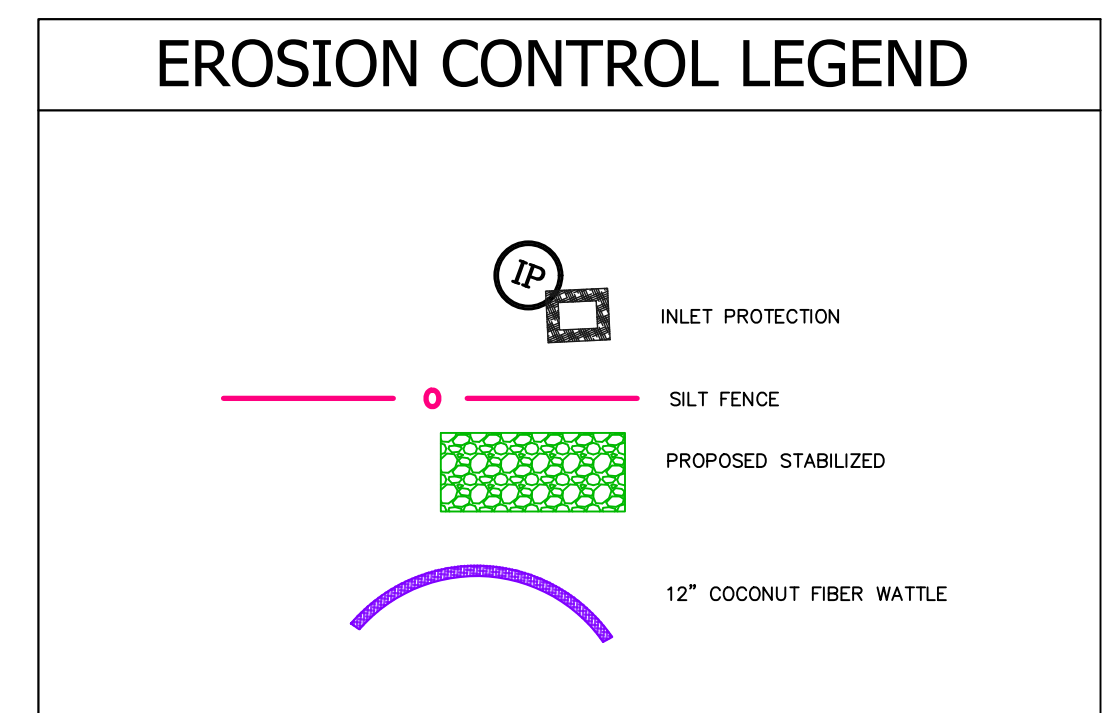
FINAL EROSION AND SEDIMENT CONTROL PLAN
SADDLE CREEK SUBDIVISION - SECTION N
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[Signature]
 1/18/2022
 REGISTERED ENGINEER
 IN THE STATE OF TENNESSEE
 NO. 10875



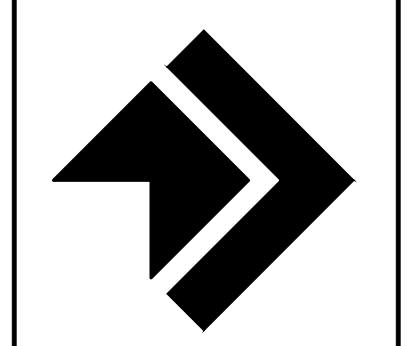
1. POROUS BAFFLES
2. FOREBAY SEDIMENT TRAP
3. EARTHEN DAM / SPILLWAY WITH STRUCTURAL DEWATERING DEVICE PER TDEC STANDARDS AND DETAILS PROVIDED HEREIN
4. RIP RAP OVERFLOW SPILLWAY PER DETAILS
5. RIP RAP CHECK DAM FOR FOREBAY #3 VOLUME
6. COCONUT WATTLES
7. NA GREEN TURF REINFORCEMENT MAT P550 OR APPROVED EQUAL

SPILLWAY DETAILS

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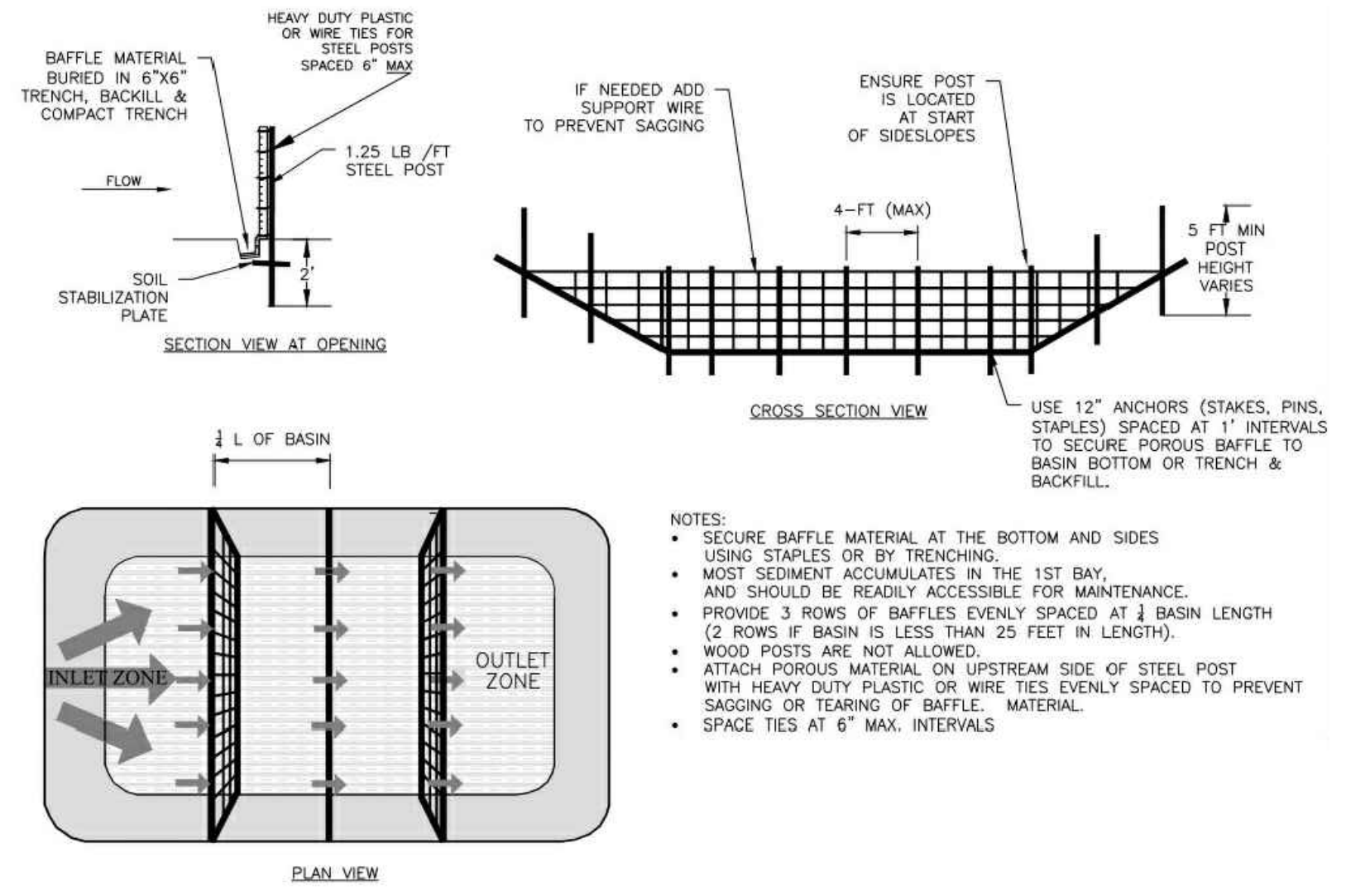
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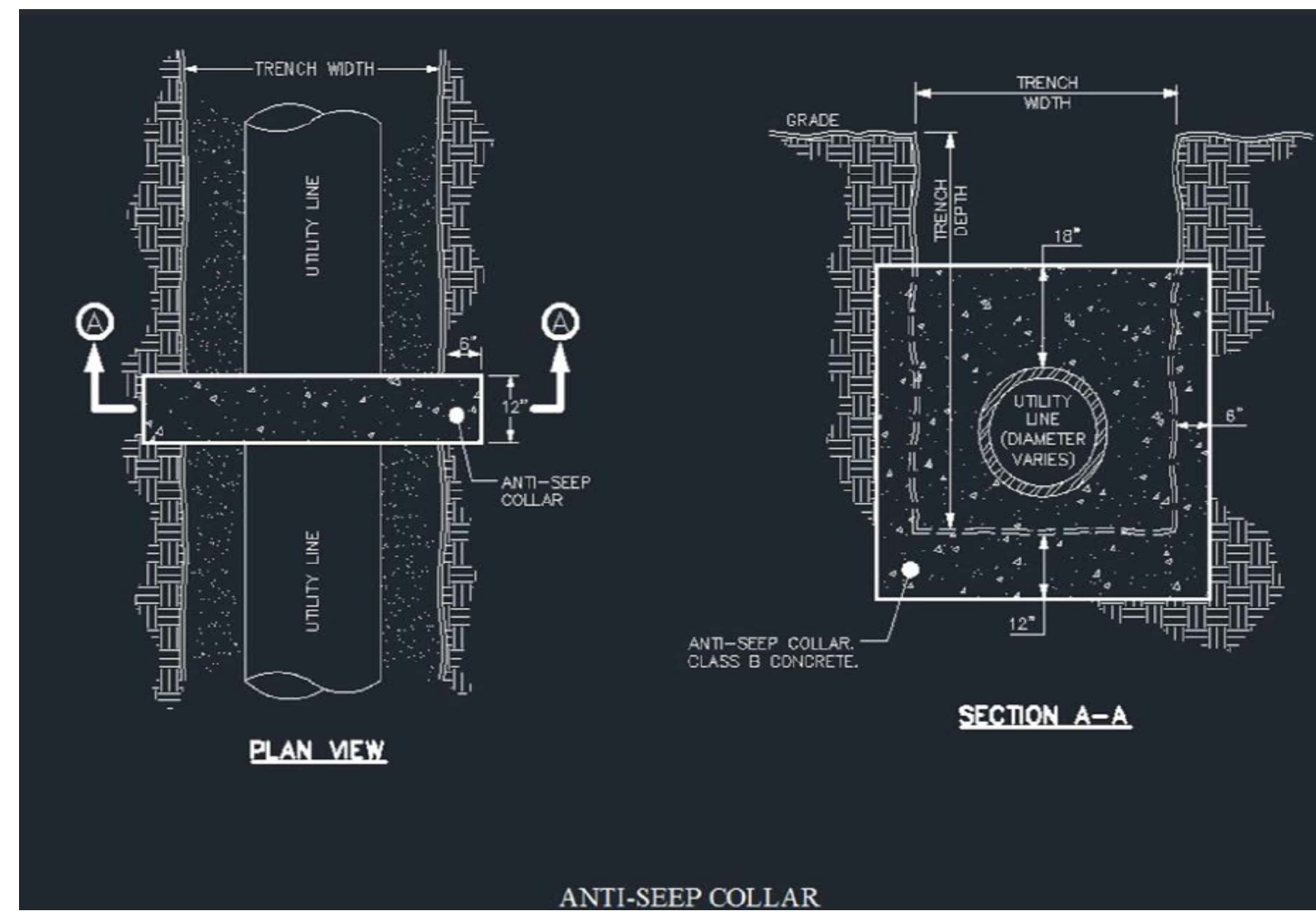
SPILLWAY DETAILS
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LEWISBURG, TENNESSEE

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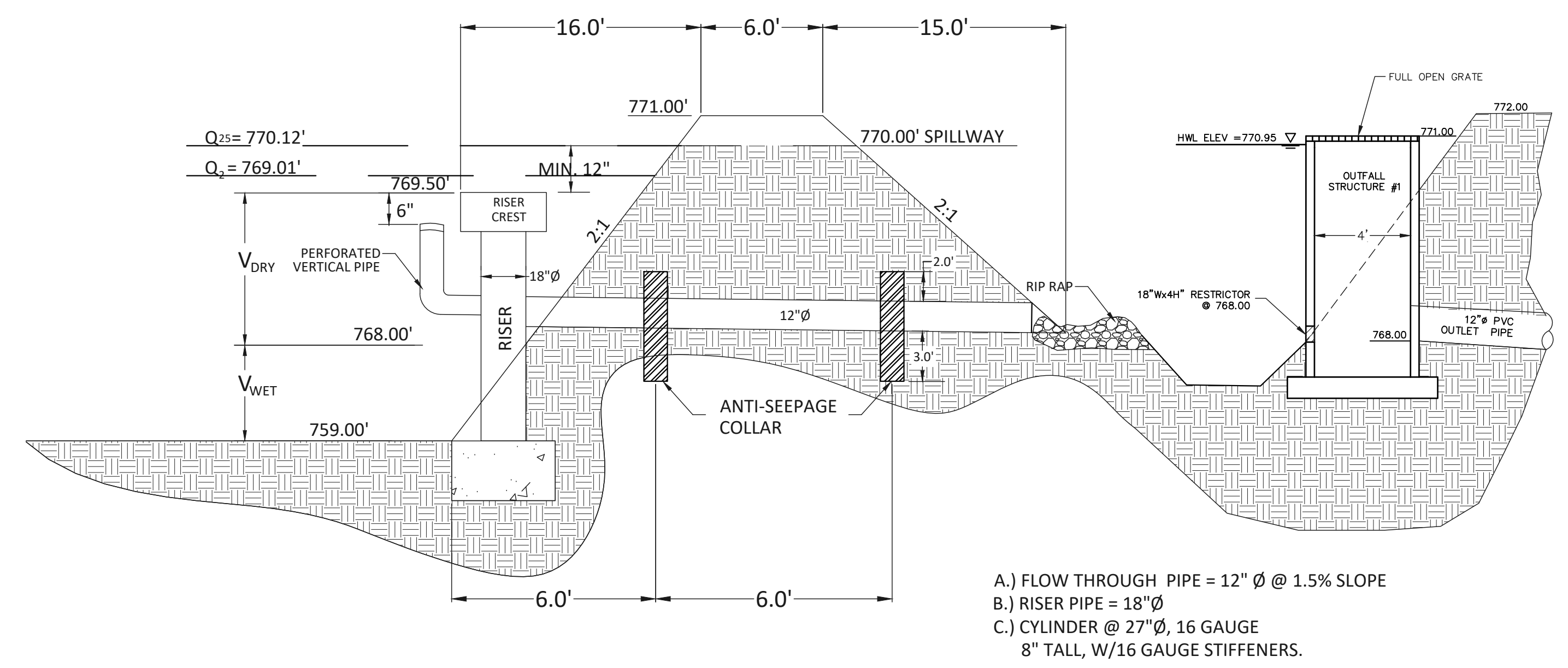
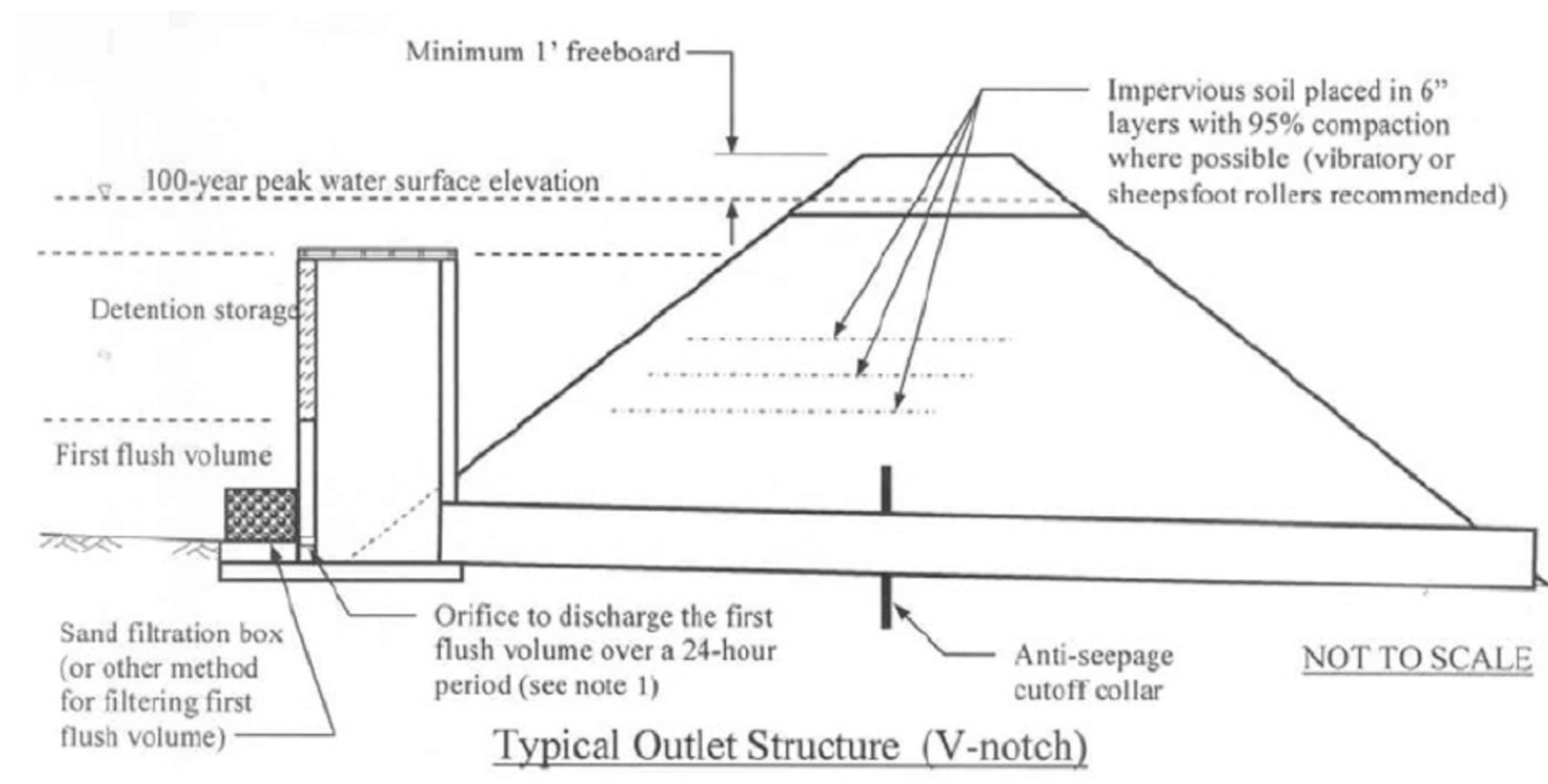
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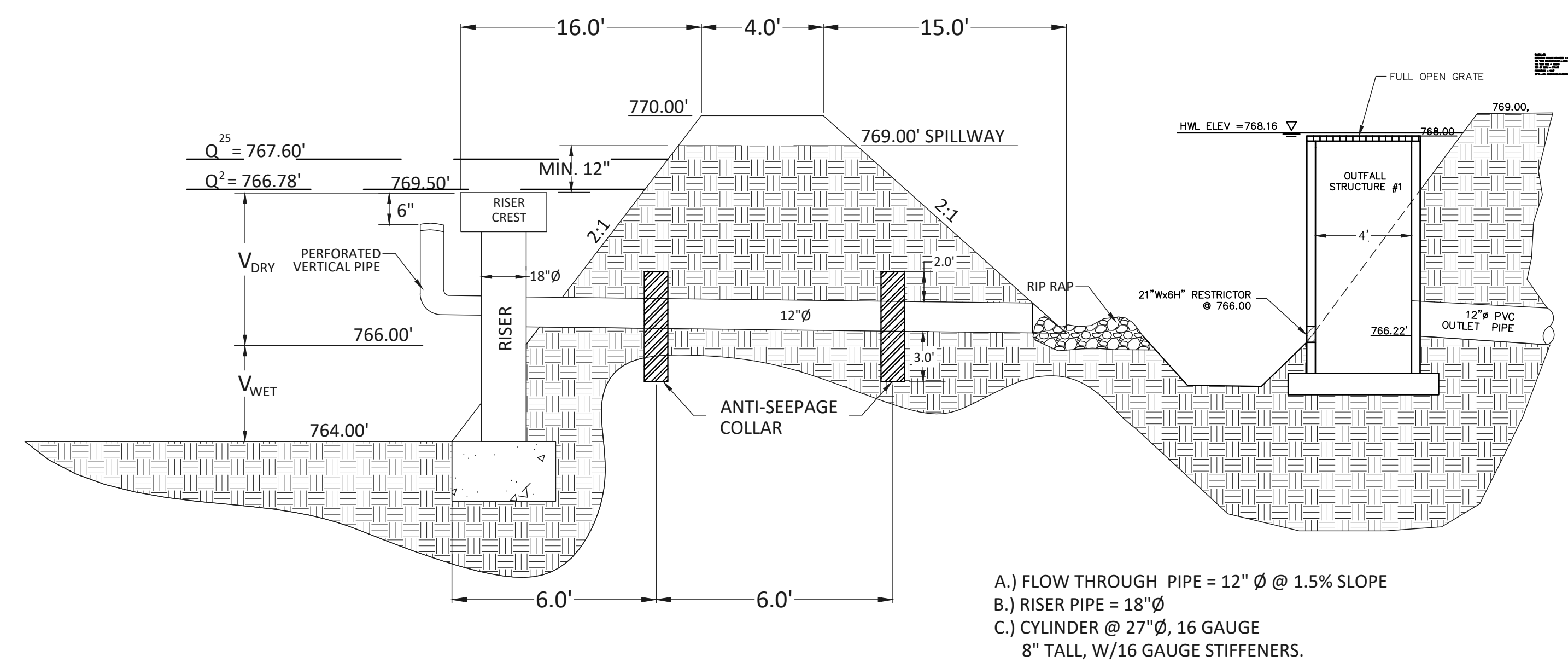
TYPICAL PORUS BAFFLE



ANTI-SEEP COLLAR

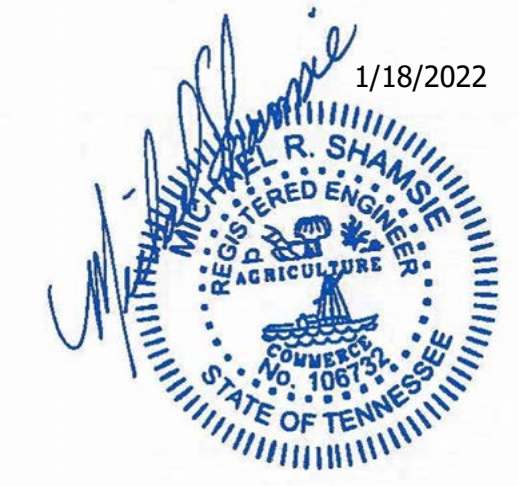


BASIN #1 SPILLWAY DETAILS



BASIN #2 SPILLWAY DETAILS

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Futerra F4 Netless

Futerra F4 Netless Proven 99% Effective

Futerra F4 Netless is a uniquely designed erosion control fabric that is made to install and provide an advanced Erosion Control fabric that is proven to be 99% effective. It is made of a high-strength, non-woven polypropylene fabric that is designed to be installed on a prepared surface. The fabric is made of a high-strength, non-woven polypropylene fabric that is designed to be installed on a prepared surface. The fabric is made of a high-strength, non-woven polypropylene fabric that is designed to be installed on a prepared surface.



Futerra F4 Netless

PROFE'S Products, LLC
3440 38th Avenue, Suite 4
(615) 755-3460
www.profes.com

GENERAL (A) SUMMARY
Section 31 23 00 - Erosion Control
1. Section 31 23 00 - Erosion Control
2. Section 31 23 00 - Erosion Control
3. Section 31 23 00 - Erosion Control

1.23 SUBPARTS
1.23.1 Erosion Control Blanket
1.23.2 Erosion Control Blanket

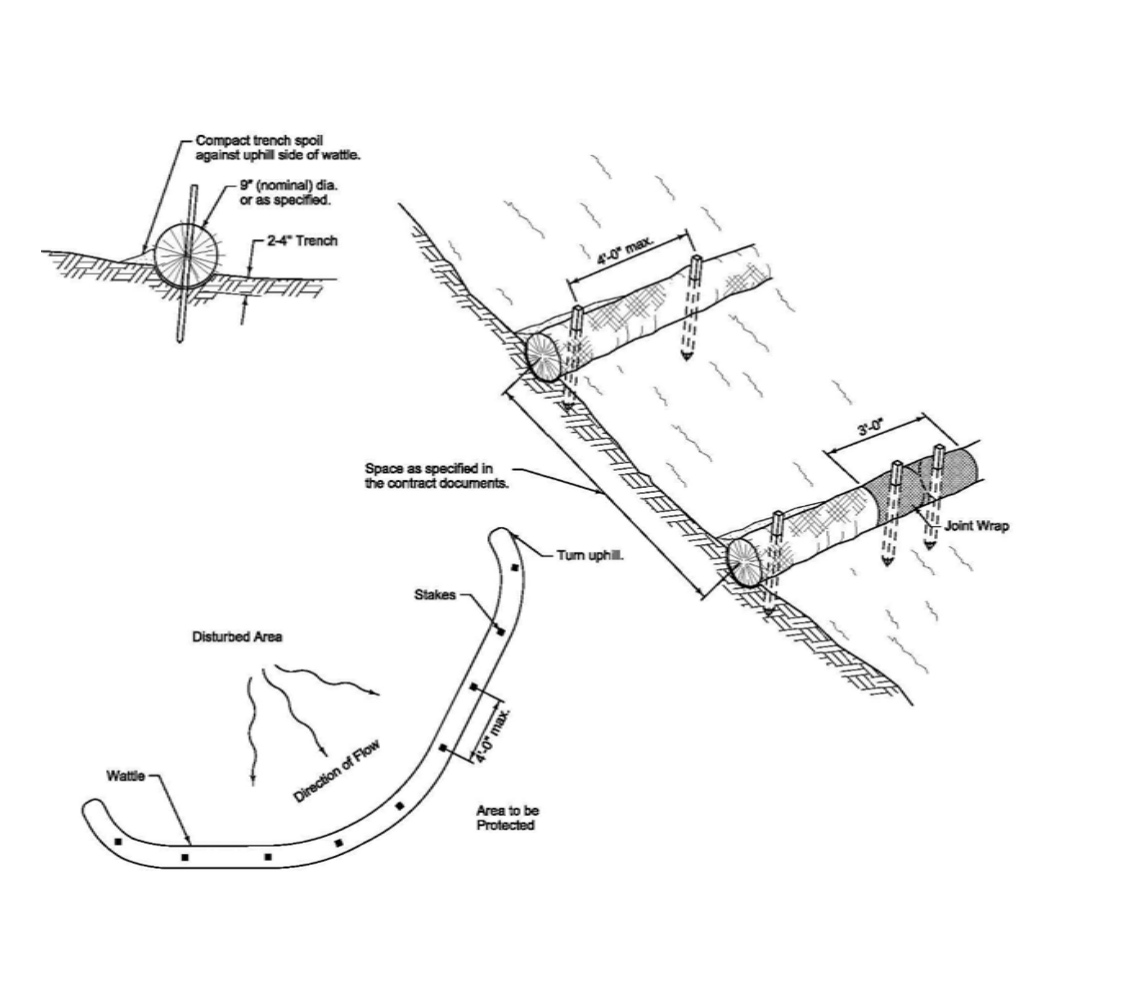
1.23.1 ACCEPTABLE
A. Futerra F4 Netless
B. Futerra F4 Netless

1.23.2 MATERIALS
A. Futerra F4 Netless
B. Futerra F4 Netless

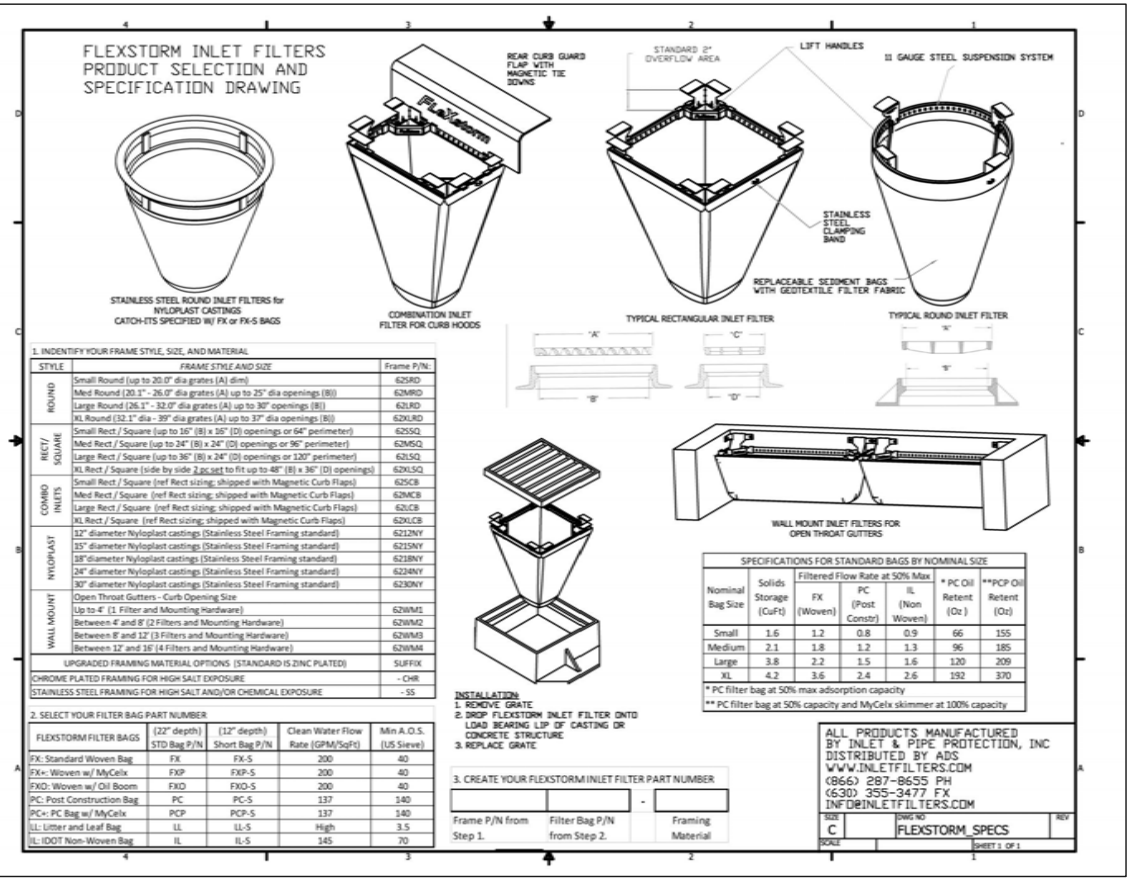
1.23.3 INSTALLATION
A. Futerra F4 Netless
B. Futerra F4 Netless



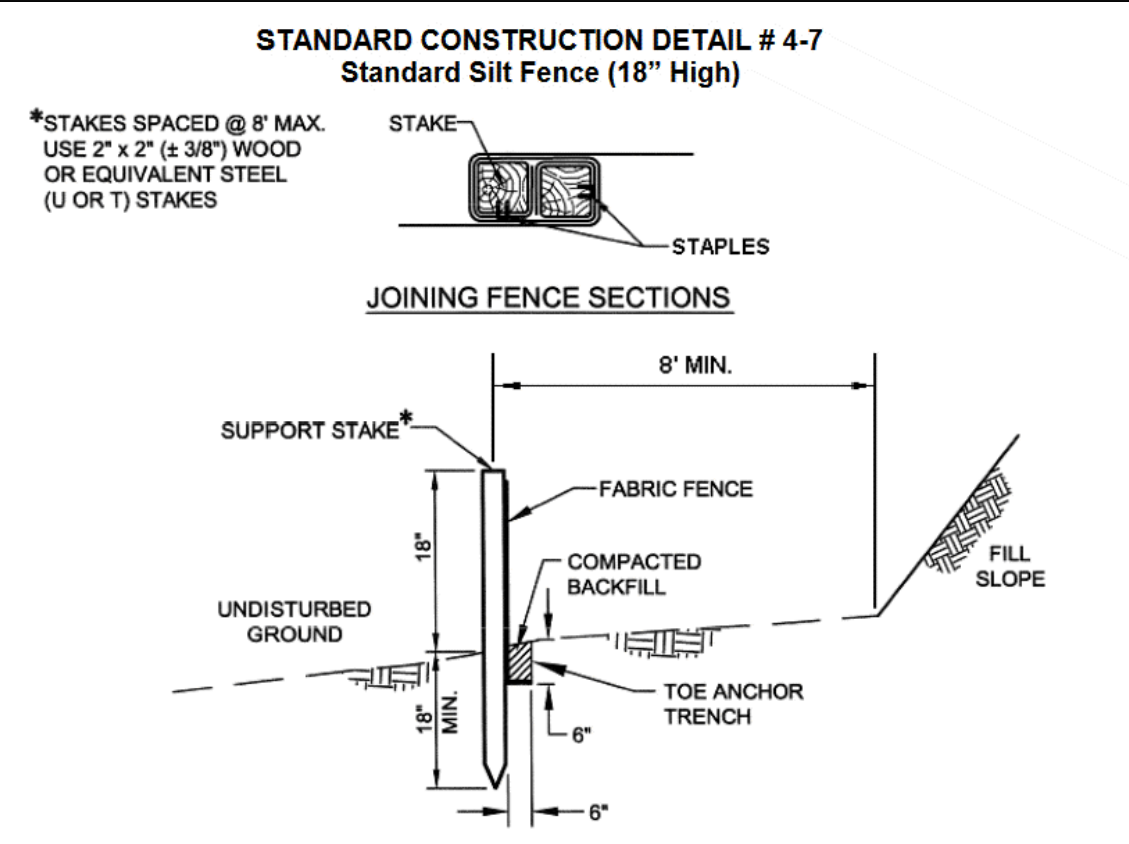
17 C26 COCONUT FIBER WATTLE



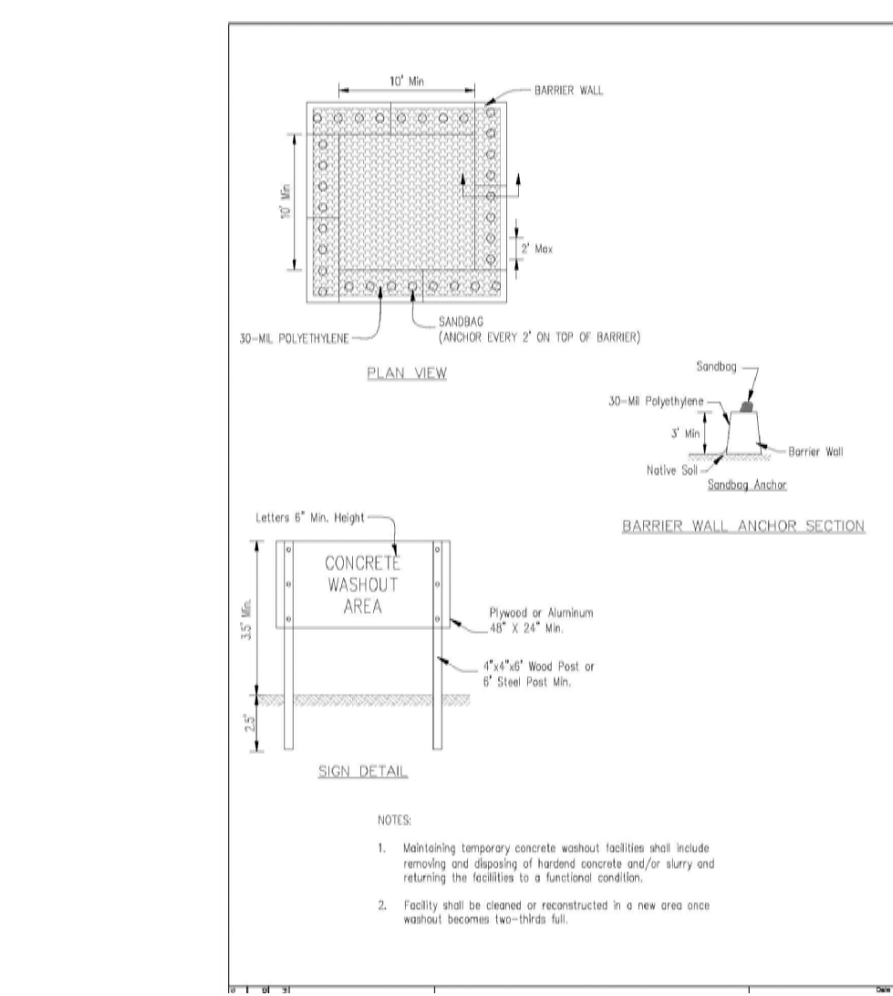
3 C26 WATTLE



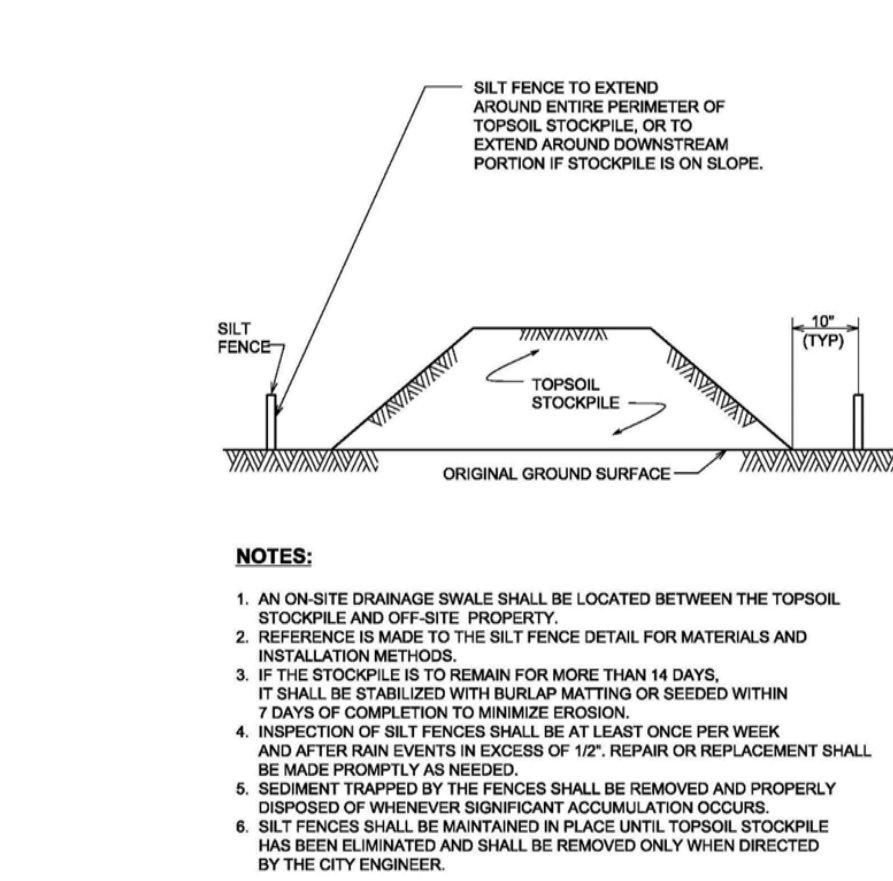
8 C26 FLEX STORM DETAIL



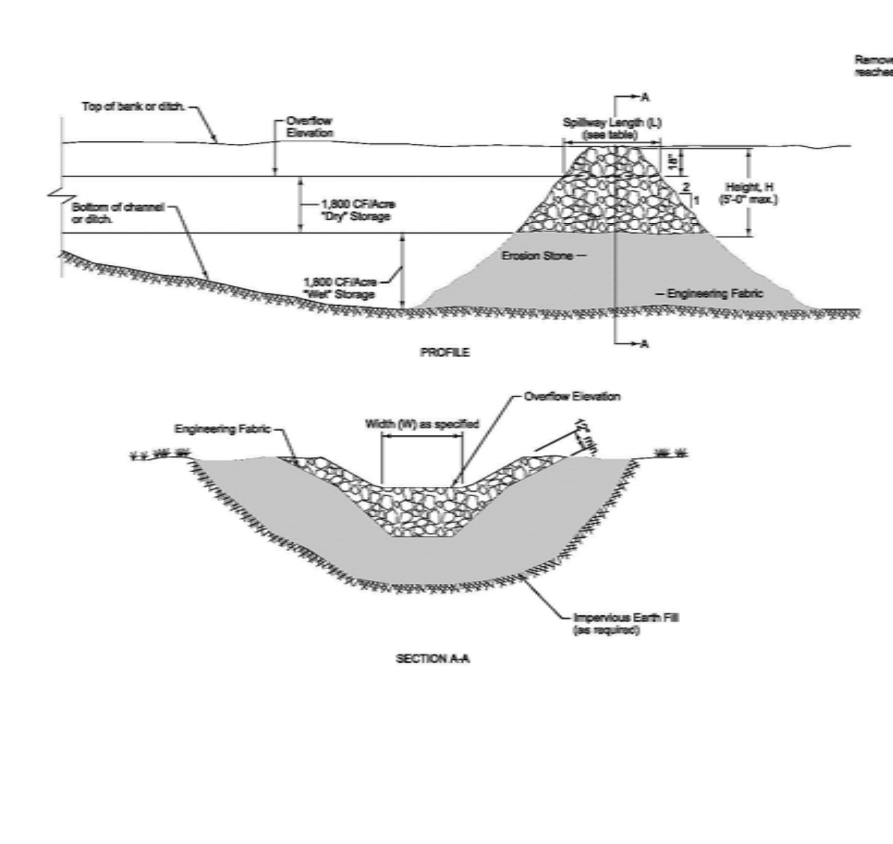
13 C26 SILT FENCE SPLICE DETAIL



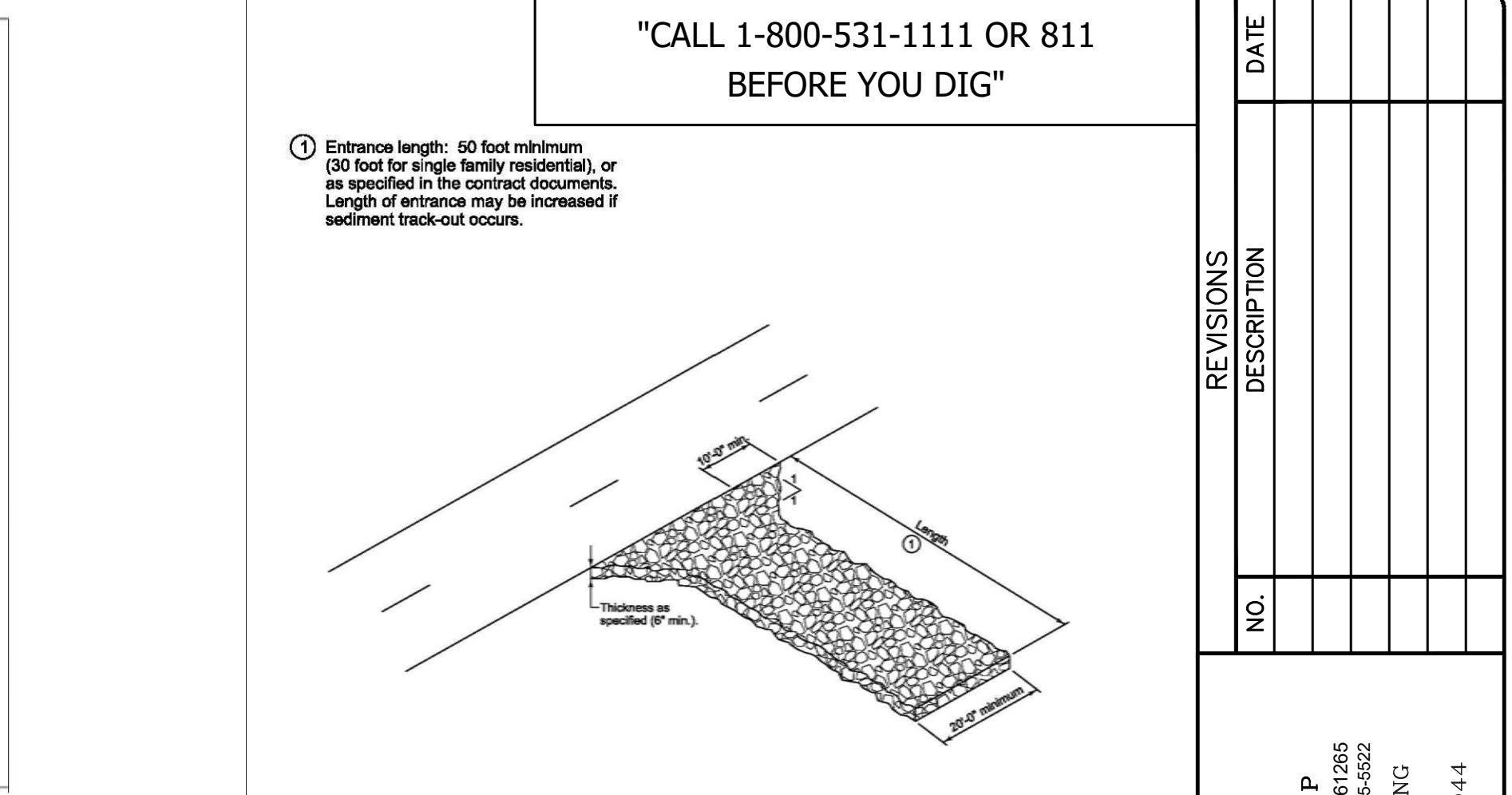
4 C26 TEMPORARY CONCRETE WASHOUT



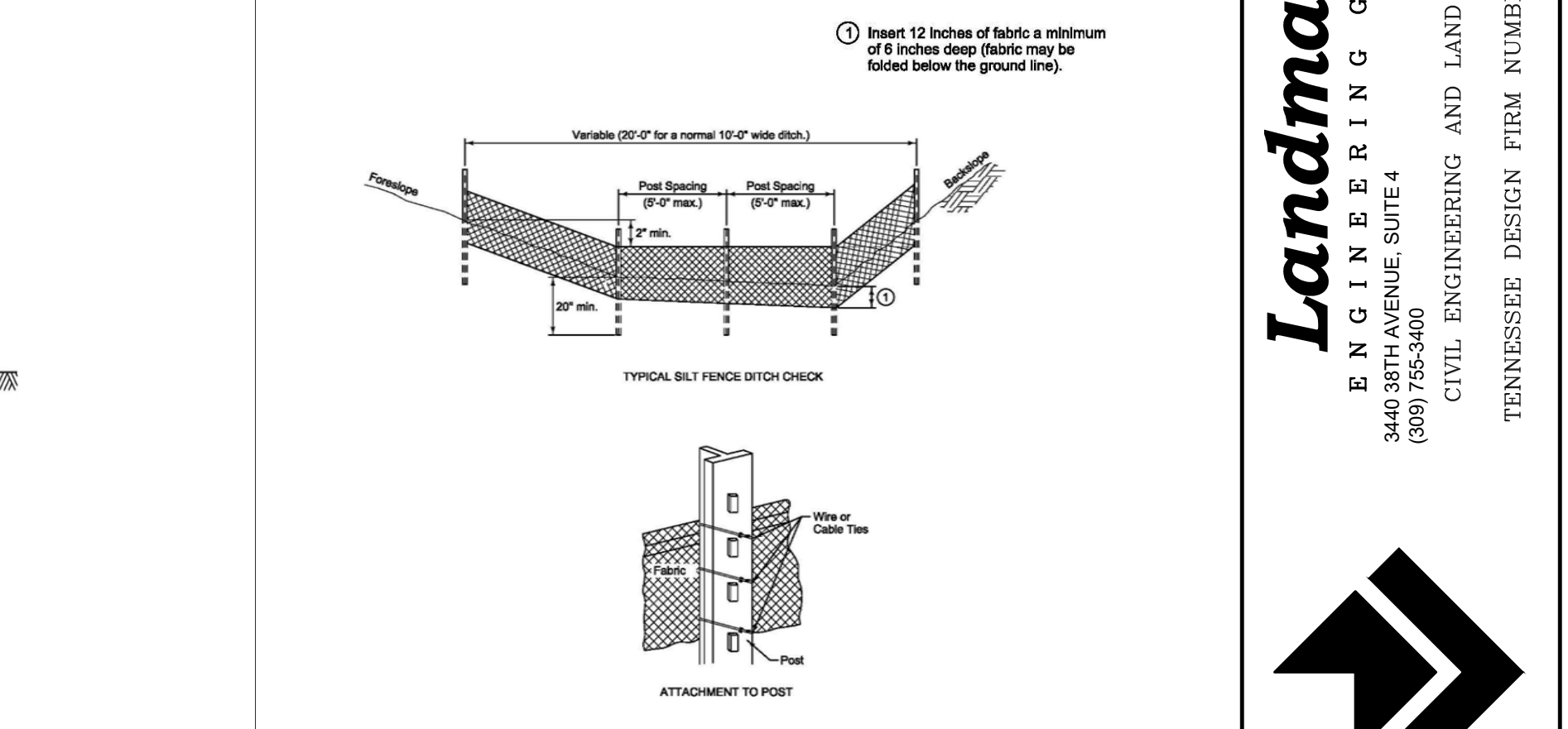
9 C26 TEMPORARY TOPSOIL STOCKPILE



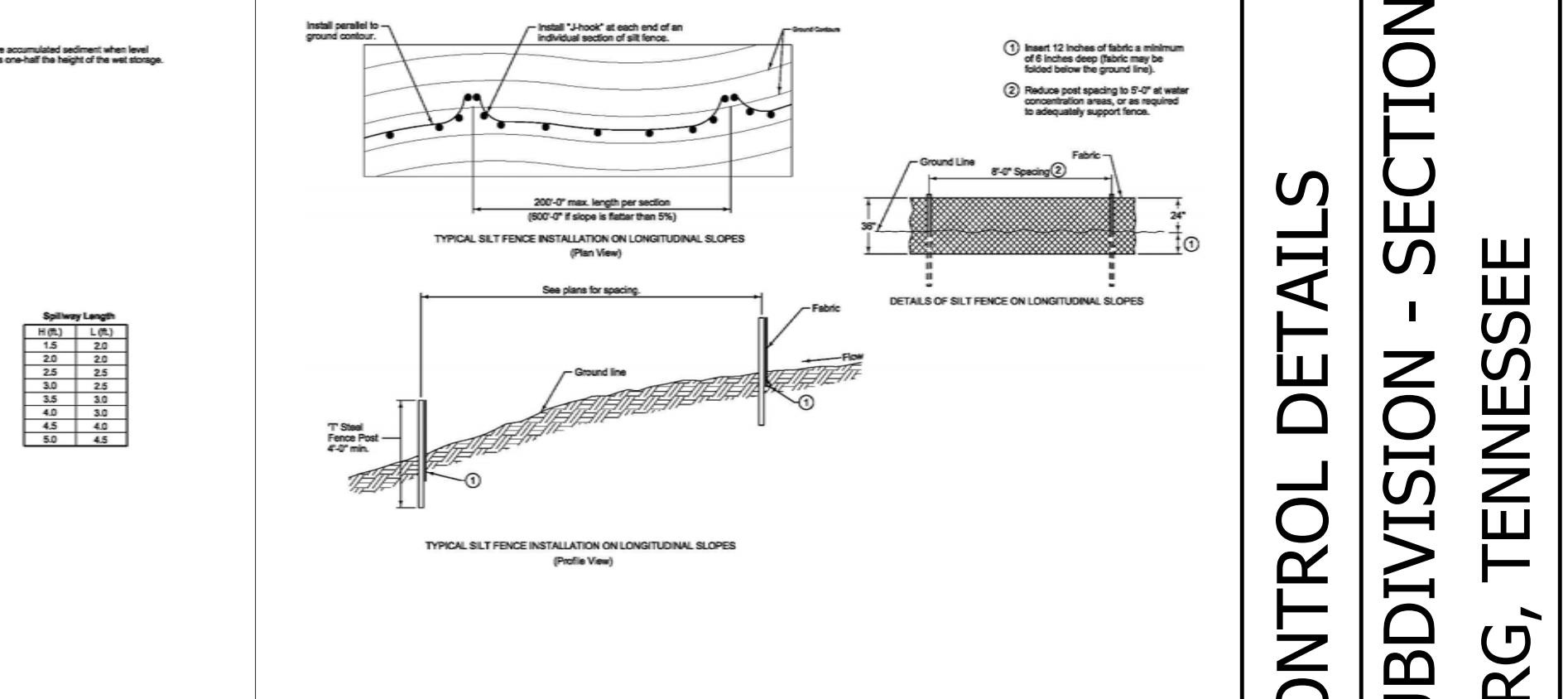
14 C26 SEDIMENT TRAP



5 C26 STABILIZED CONSTRUCTION ENTRANCE



10 C26 SILT FENCE - PG.1



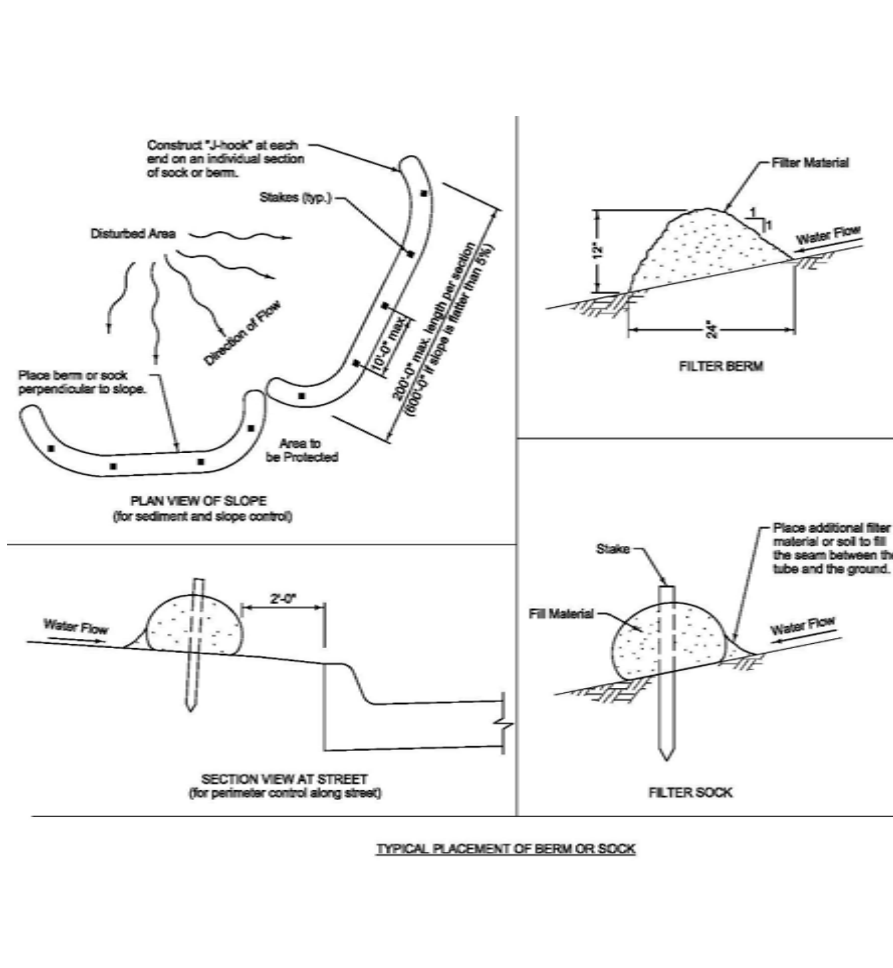
15 C26 SILT FENCE - PG.2



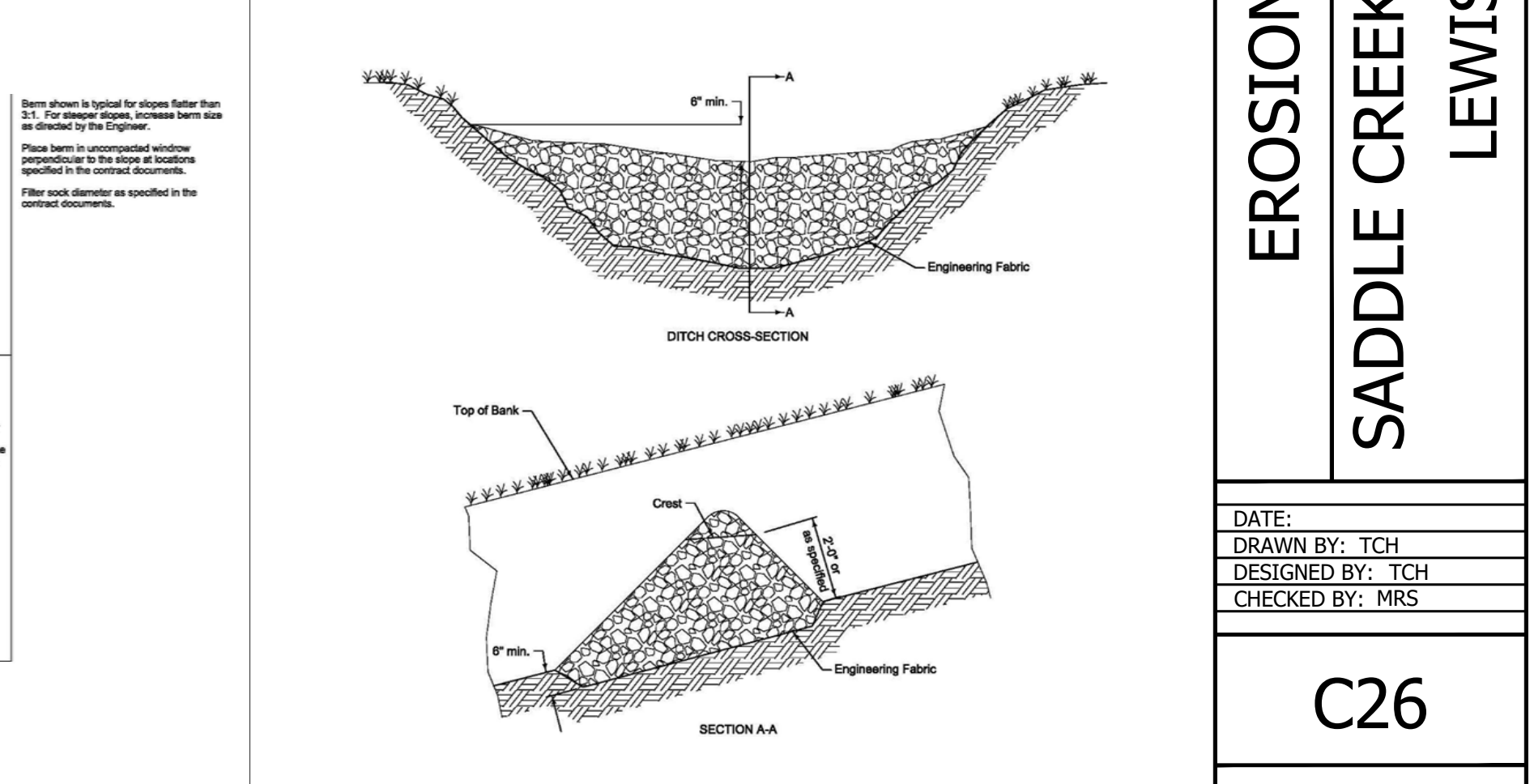
16 C26 TURF REINFORCEMENT MATTING



18 C26 FILTER SOCK



19 C26 ROCK CHECK DAM



20 C26 ROCK CHECK DAM

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1 Entrance length: 50 foot minimum (30 foot for single family residential), or as specified in the contract documents. Length of entrance may be increased if sediment track-out occurs.

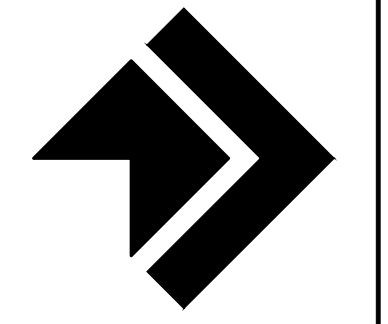
1 Inert 12 inches of fabric a minimum of 6 inches deep (fabric may be folded below the ground line).

NOTES:

1. AN ON SITE DRAINAGE SWALE SHALL BE LOCATED BETWEEN THE TOPSOIL STOCKPILE AND OFF-SITE PROPERTY.
2. REFERENCE IS MADE TO THE SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS.
3. IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEEDING WITHIN 7 DAYS OF COMPLETION TO MINIMIZE EROSION.
4. INSPECTION OF SILT FENCES SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. SEGMENT DAMAGED BY THE FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
6. SILT FENCES SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE CITY ENGINEER.

NO.	REVISIONS DESCRIPTION	DATE

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3440 38th Avenue, Suite 4
(615) 755-3460
CIVIL ENGINEERING AND LAND SURVEYING
TENNESSEE DESIGN FIRM NUMBER P-21044



EROSION CONTROL DETAILS
SADDLE CREEK SUBDIVISION - SECTION N
LEWISBURG, TENNESSEE

DATE: _____
DRAWN BY: TCH
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CHECKED BY: MRS

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01-21-1586

1/18/2022
MICHAEL R. SHAMSHI
REGISTERED ENGINEER
IN AGRICULTURE
No. 10678
STATE OF TENNESSEE