

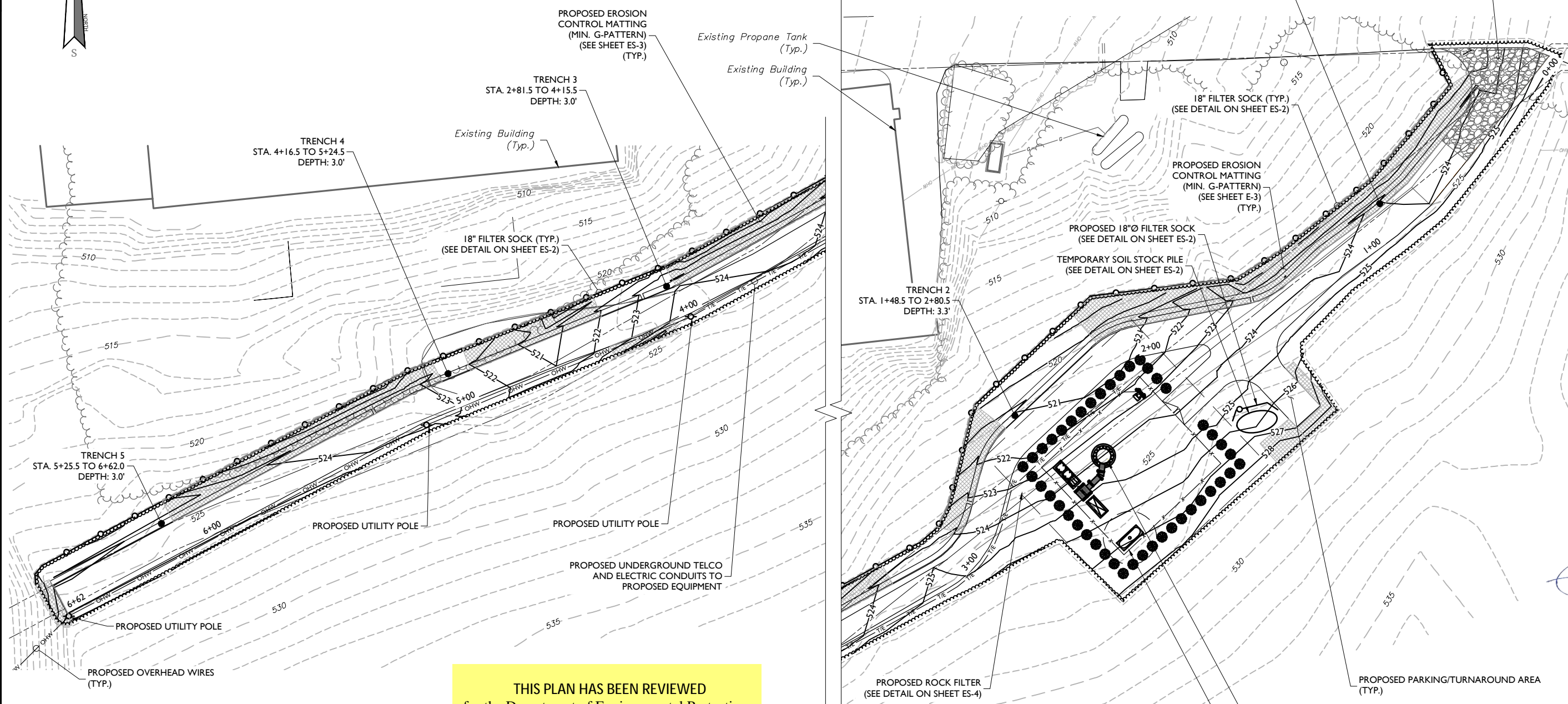
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| 2   | 08/01/23 | ISSUED FOR PERMIT | AF          | MEG        |
| 1   | 07/17/23 | ISSUED FOR PERMIT | AF          | MEG        |
| 0   | 02/07/23 | ISSUED FOR PERMIT | FAC         | MEG        |
| A   | 01/10/23 | ISSUED FOR PERMIT | AF          | MEG        |



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SITE NAME:

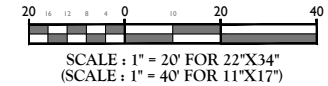
**NEP MAGICK CAULDRON**  
119 AIRPORT ROAD  
EAST STROUDSBURG, PA 18301  
MONROE COUNTY



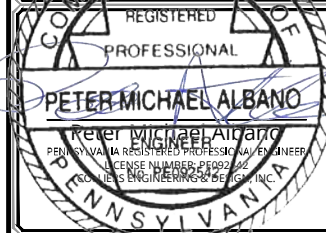
**THIS PLAN HAS BEEN REVIEWED**  
for the Department of Environmental Protection  
By: Michael J Wilk  
Date: 8/29/2023  
and determined to adequately satisfy the purpose and requirements of 25 PA Code Chapter 102, to minimize the potential for accelerated erosion and sedimentation to the waters of the Commonwealth

- LEGEND**
- Existing Edge of Gravel Road
  - 605 — Existing Major Contour
  - 604 — Existing Minor Contour
  - - - Existing Features
  - - - Existing Tree Line
  - - - Existing Overhead Wire Line
  - - - Existing Fence Line
  - - - Zoning Boundary
  - - - Setback Line
  - - - PROPOSED FILTER SOCK
  - - - PROPOSED CHAIN LINK FENCE
  - - - PROPOSED FEATURES
  - - - T/E — PROPOSED UNDERGROUND ELECTRIC/TELCO UTILITY LINES
  - - - LINE OF DISTURBANCE
  - 525 — PROPOSED CONTOUR
  - PROPOSED SILT SOCK
  - PROPOSED EROSION CONTROL MATTING

**E&S CONTROL AND STORM WATER MANAGEMENT PLAN**

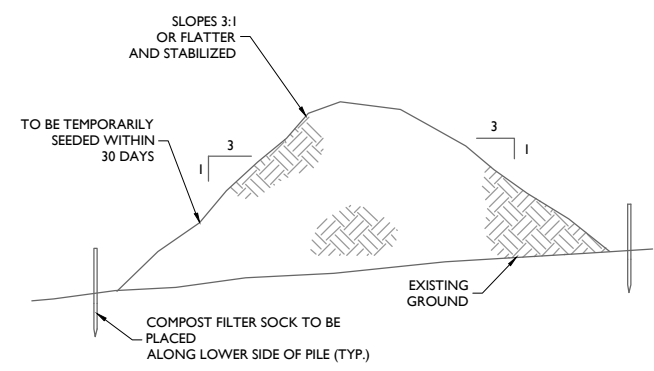


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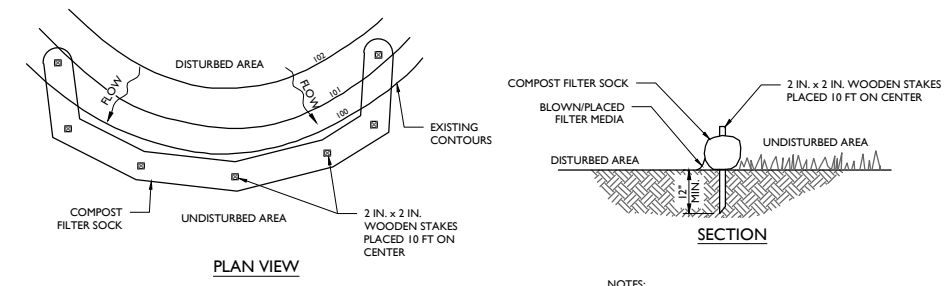
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**SITE NAME:**  
**NEP MAGICK CAULDRON**  
119 AIRPORT ROAD  
EAST STROUDSBURG, PA 18301  
MONROE COUNTY



**TOPSOIL STOCKPILE DETAIL**  
NOT TO SCALE

**THIS PLAN HAS BEEN REVIEWED**  
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**TABLE 4.1 COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS**

| Material Type  | 3 mil HDPE       | 5 mil HDPE               | 5 mil HDPE               | Multi-Filament Polypropylene (MPP) | Heavy Duty Multi-Filament Polypropylene (HDMPP) |
|--|------------------|--------------------------|--------------------------|------------------------------------|---|
| Material Characteristics                               | Photo-degradable | Photo-degradable         | Bio-degradable           | Photo-degradable                   | Photo-degradable                                |
| Sock Diameters   | 12"<br>18"       | 12"<br>18"<br>24"<br>32" | 12"<br>18"<br>24"<br>32" | 12"<br>18"<br>24"<br>32"           | 12"<br>18"                                      |
| Mesh Opening   | 3/8"             | 3/8"                     | 3/8"                     | 3/8"                               | 1/8"  |
| Tensile Strength                                       |                  | 26 psi                   | 26 psi                   | 44 psi                             | 202 psi   |
| Ultraviolet Stability % Original Strength (ASTM G-155) | 23% at 1000 hr.  | 23% at 1000 hr.          |                          | 100% at 1000 hr.                   | 100% at 1000 hr.                                |
| Minimum Functional Longevity                           | 6 months         | 9 months                 | 6 months                 | 1 year                             | 2 years   |

**Two-ply Systems**

|   |                                |
|---|--------------------------------|
| Inner Containment Netting   | HDPE biaxial net               |
|   | Continuously wound             |
| Outer Filtration Mesh   | Fusion-welded junctures        |
|   | 3/4" x 3/4" Max. aperture size |
| Composite Polypropylene Fabric (Woven layer and non-woven fleece mechanically fused via needle punch) |                                |
| 3/16" Max. aperture size  |                                |

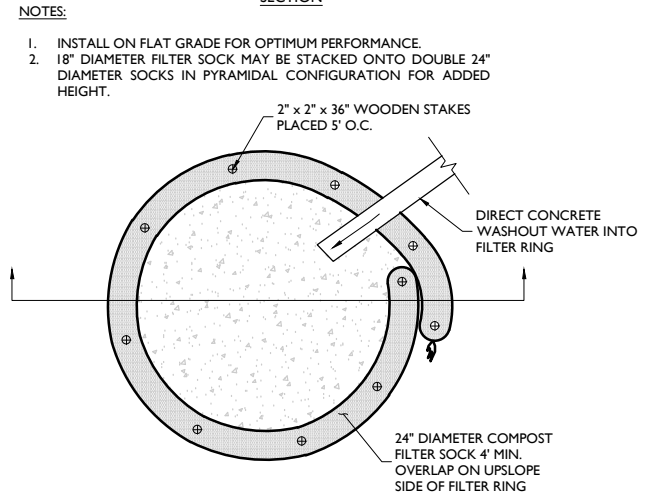
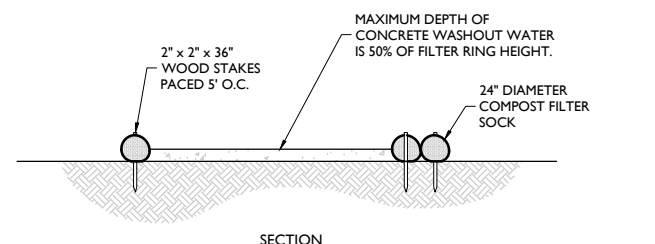
Sock fabrics composed of burlap may be used on projects lasting 6 months or less.

**TABLE 4.2 COMPOST STANDARDS**

|                            |                                   |
|----------------------------|-----------------------------------|
| Organic Matter Content     | 25% - 100% (dry weight basis)     |
| Organic Portion            | Fibrous and elongated             |
| pH                         | 5.5-8.5                           |
| Moisture Content           | 30%-60%                           |
| Particle Size              | 30% - 50% pass through 1/2" sieve |
| Soluble Salt Concentration | 5.0 dS/m (mmhos/cm) Maximum       |

- NOTES:**
- SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL.
  - COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 9 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.
  - TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS.
  - ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN.
  - COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
  - BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
  - UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

- NOTES:**
- CONCRETE WASHOUTS ARE REQUIRED ON ALL CONSTRUCTION SITES INVOLVING CONCRETE AND STUCCO USE.
  - THE CONTRACTOR SHALL REQUIRE ALL CONCRETE DRIVERS TO UTILIZE THE CONCRETE WASHOUTS ONSITE.
  - WASHOUT FACILITIES SHALL BE LOCATED AT LEAST 50 YARDS AWAY FROM STORM SEWER DRAIN INLETS, GUTTERS, OPEN DITCHES, AND WATER COURSES.
  - APPROPRIATE STONE SHOULD COVER PATHS TO CONCRETE WASHOUT.
  - THE NUMBER OF CONCRETE WASHOUTS DEPENDS ON THE EXPECTED DEMAND FOR STORAGE CAPACITY. LARGE SITES WITH EXTENSIVE CONCRETE WORK SHALL BE PLACED AT MULTIPLE LOCATIONS FOR USE BY CONCRETE TRUCK DRIVERS.
  - CONCRETE WASHOUT AREAS SHALL BE IDENTIFIED BY POSTING SIGNS ONSITE.
  - CONCRETE WASHOUTS ARE TO BE INSPECTED DAILY BY THE CONTRACTOR FOR LEAKS OR TEARS IN PLASTIC LINER.
  - REMOVE AND DISPOSE OF ALL MATERIAL WHEN THE WASHOUT HAS BEEN FILLED TO 75% CAPACITY.
  - PRIOR TO ANY RAINFALL, ALL CONCRETE WASHOUTS ARE TO BE CLEANED OUT OR COVERED.
  - ONCE THE MATERIAL HAS BEEN CLEANED OUT OF THE CONCRETE WASHOUT FACILITY, THE FACILITY MUST BE INSPECTED FOR REPAIR, RECONSTRUCTION OR REPLACEMENT. ALL PLASTIC LINING SHALL BE REMOVED AND REPLACED.
  - PRE-FABRICATED OR ONSITE FABRICATED CONCRETE WASHOUTS MAY BE USED.
  - OPTIONS FOR ONSITE CONCRETE WASHOUTS:
    - DIG A PIT AND LINE WITH 10 MIL PLASTIC SHEETING.
    - CREATE AN ABOVE-GROUND STRUCTURE FROM STRAW BALES OR SANDBAGS, WITH 10 MIL PLASTIC LINING.

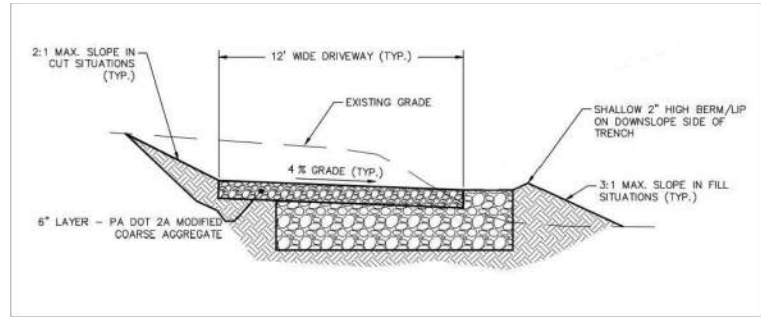


**CONCRETE WASHOUT DETAIL**  
NOT TO SCALE

**STANDARD CONSTRUCTION DETAIL # 4.1,  
STANDARD CONSTRUCTION TABLE #4.1 & 4.2  
COMPOST FILTER SOCK DETAIL**  
NOT TO SCALE

- GENERAL NOTES:**
- THE SEDIMENT AND STORMWATER PROGRAM (OR DELEGATED AGENCY) MUST BE NOTIFIED IN WRITING FIVE (5) DAYS PRIOR TO COMMENCING WITH CONSTRUCTION. FAILURE TO DO SO CONSTITUTES A VIOLATION OF THE APPROVED SEDIMENT AND STORMWATER MANAGEMENT PLAN.
  - REVIEW AND OR APPROVAL OF THE SEDIMENT AND STORMWATER MANAGEMENT PLAN SHALL NOT RELIEVE THE CONTRACTOR FROM HIS OR HER RESPONSIBILITIES FOR COMPLIANCE WITH THE REQUIREMENTS OF THE DELAWARE SEDIMENT AND STORMWATER REGULATIONS, NOR SHALL IT RELIEVE THE CONTRACTOR FROM ERRORS OR OMISSIONS IN THE APPROVED PLAN.
  - IF THE APPROVED PLAN NEEDS TO BE MODIFIED, ADDITIONAL SEDIMENT AND STORMWATER CONTROL MEASURES MAY BE REQUIRED AS DEEMED NECESSARY BY THE DELEGATED AGENCY.
  - FOLLOWING SOIL DISTURBANCE OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED FOR ALL PERIMETER SEDIMENT CONTROLS, SOIL STOCKPILES, AND ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE WITHIN 14 CALENDAR DAYS UNLESS MORE RESTRICTIVE FEDERAL REQUIREMENTS APPLY.
  - ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
  - AT ANY TIME A DEWATERING OPERATION IS USED, IT SHALL BE PREVIOUSLY APPROVED BY THE AGENCY CONSTRUCTION SITE REVIEWER FOR A NON-EROSIVE POINT OF DISCHARGE, AND A DEWATERING PERMIT SHALL BE APPROVED BY THE WELL PERMITTING BRANCH.
  - APPROVAL OF A SEDIMENT AND STORMWATER MANAGEMENT PLAN DOES NOT GRANT OR IMPLY A RIGHT TO DISCHARGE STORMWATER RUNOFF. THE OWNER/DEVELOPER IS RESPONSIBLE FOR ACQUIRING ANY AND ALL AGREEMENTS, EASEMENTS, ETC., NECESSARY TO COMPLY WITH STATE DRAINAGE AND OTHER APPLICABLE LAWS.
  - THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DEBRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENT FROM LEAVING THE SITE. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED HALF OF THE EFFECTIVE CAPACITY OF THE CONTROL. IN ADDITION, THE CONTRACTOR MAY NEED TO ADJUST OR ALTER MEASURES IN TIMES OF ADVERSE WEATHER CONDITIONS, OR AS DIRECTED BY THE AGENCY CONSTRUCTION SITE REVIEWER.

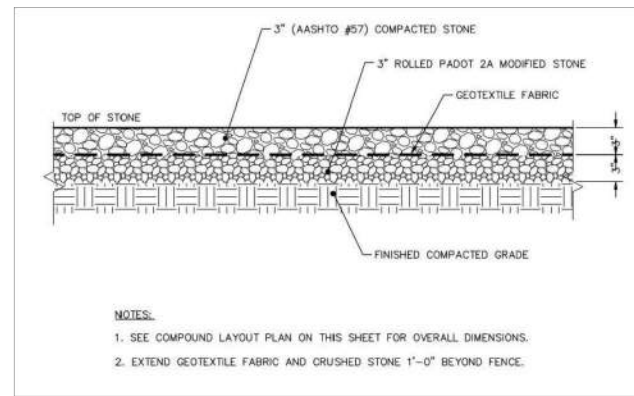




TYPICAL STONE DRIVEWAY SECTION

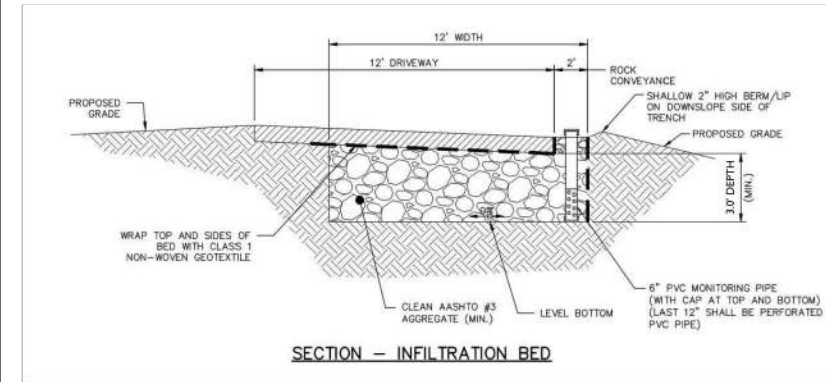
NOT TO SCALE

12/07/22 NOT TO SCALE



COMPOUND STONE DETAIL

12/07/22



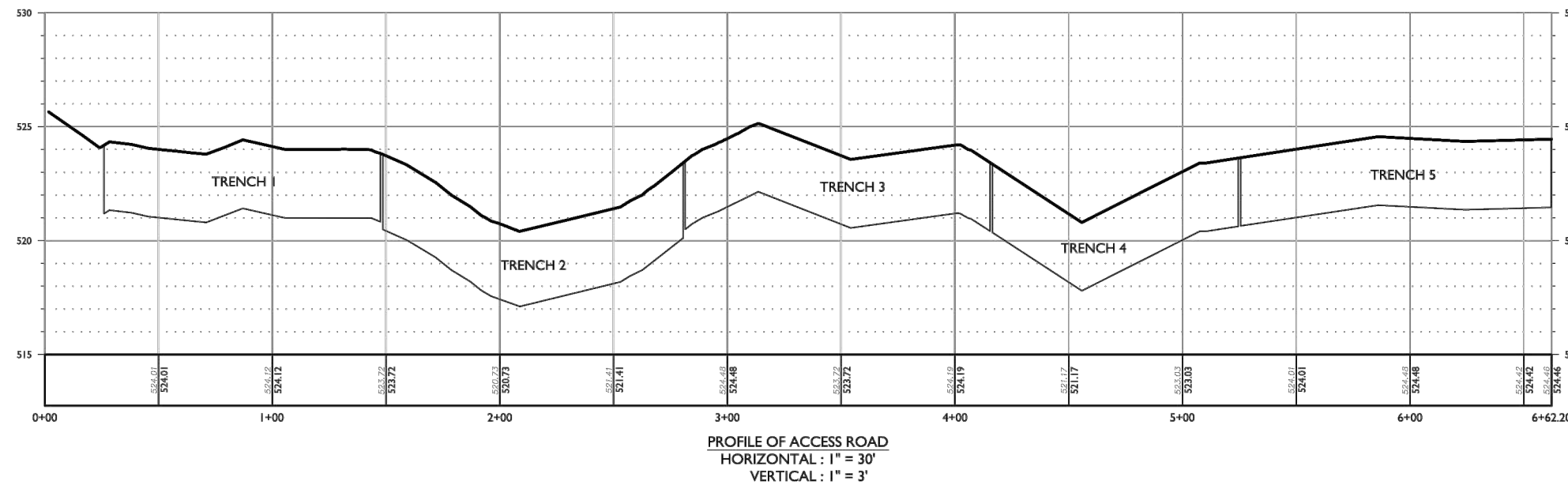
SECTION - INFILTRATION BED

NOT TO SCALE

| TRENCH SIZING CHART |               |             |       |
|---------------------|---------------|-------------|-------|
| INFILTRATION TRENCH | START STATION | END STATION | DEPTH |
| TRENCH 1            | 0+26.0        | 1+47.5      | 3.0'  |
| TRENCH 2            | 1+48.5        | 2+80.5      | 3.3'  |
| TRENCH 3            | 2+81.5        | 4+15.5      | 3.0'  |
| TRENCH 4            | 4+16.5        | 5+34.5      | 3.0'  |
| TRENCH 5            | 5+25.5        | 6+62.0      | 3.0'  |

STONE TRENCH DETAIL

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 Commonwealth



PROFILE OF ACCESS ROAD  
 HORIZONTAL : 1" = 30'  
 VERTICAL : 1" = 3'

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| A   | 01/19/23 | ISSUED FOR PERMIT | AF  | MEG        |

REGISTERED PROFESSIONAL  
**PETER MICHAEL ALBANO**  
 PENNSYLVANIA REGISTERED PROFESSIONAL ENGINEER  
 LICENSE NUMBER: PE000781  
 STATE OF PENNSYLVANIA

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SITE NAME:  
 NEP MAGICK CAULDRON  
 119 AIRPORT ROAD  
 EAST STROUDSBURG, PA 18301  
 MONROE COUNTY

ALLENTOWN  
 941 Marcon Blvd #801  
 Allentown, PA 18109  
 Phone: 610.868.4201  
 COLLIERS ENGINEERING & DESIGN, INC.  
 DOING BUSINESS AS MASER CONSULTING

SHEET TITLE:  
 E&S GRADING DETAILS

SHEET NUMBER:  
 ES-4

