PROJECT NOTES

- SITE INFORMATION OBTAINED FROM THE FOLLOWING
- A. BOUNDARY AND TOPOGRAPHY FROM FIELD-RUN SURVEY PERFORMED BY RETTEW ASSOCIATES, INC. IN AUGUST 2015
- LIMITED FIELD OBSERVATION BY COLLIERS ENGINEERING & DESIGN ON AUGUST 25, 2022.
- FINAL LAND DEVELOPMENT PLAN BY RETTEW DATED
- ADDITIONAL TOPGRAPHY GATHERED BY COLLIERS ENGINEERING & DESIGN DATED NOVEMBER 9, 2022
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES ORDINANCES, LAWS AND REGULATIONS OF ALL MUNICIPALITIES, UTILITY COMPANIES OR OTHER PUBLIC/GOVERNING AUTHORITIES
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND INSPECTIONS THAT MAY BE REQUIRED BY ANY FEDERAL, STATE, COUNTY OR MUNICIPAL AUTHORITIES.
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER, IN WRITING, OF ANY CONFLICTS, ERRORS OR OMISSIONS PRIOR TO THE SUBMISSION OF BIDS OR PERFORMANCE
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SITE IMPROVEMENTS PRIOR TO COMMENCING CONSTRUCTION THE CONTRACTOR SHALL REPAIR ANY DAMAGE AS A RESULT OF CONSTRUCTION OF THIS FACILITY AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE OWNER
- THE SCOPE OF WORK FOR THIS PROJECT SHALL INCLUDE PROVIDING ALL MATERIALS, EQUIPMENT AND LABOR REQUIRED TO COMPLETE THIS PROJECT. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS
- THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING THE BID TO VERIFY THAT THE PROJECT CAN BE CONSTRUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND CONSTRUCTION DRAWINGS
- THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO COMMENCING ANY WORK. ALL DIMENSIONS OF EXISTING CONSTRUCTION SHOWN ON THESE DRAWINGS MUST BE VERIFIED. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO ORDERING MATERIAL OR PROCEEDING WITH CONSTRUCTION.
- NO NOISE, SMOKE, DUST OR ODOR WILL RESULT FROM THIS FACILITY AS TO CAUSE A NUISANCE.
- THE FACILITY IS UNMANNED AND NOT FOR HUMAN HABITATION (NO HANDICAP ACCESS IS REQUIRED).
- THE FACILITY DOES NOT REQUIRE POTABLE WATER OR SANITARY SERVICE.
- CONTRACTOR SHALL VERIFY ANTENNA ELEVATION AND AZIMUTHS WITH RF ENGINEERING PRIOR TO INSTALLATION.
- ALL STRUCTURAL ELEMENTS SHALL BE HOT DIPPED GALVANIZED
- CONTRACTOR MUST FIELD LOCATE ALL EXISTING UNDERGROUND
- CONSTRUCTION SHALL NOT COMMENCE UNTIL COMPLETION OF A PASSING STRUCTURAL ANALYSIS CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER. THE STRUCTURAL ANALYSIS IS TO BE
- CONTRACTOR SHALL CONTACT STATE SPECIFIC ONE CALL SYSTEM THREE WORKING DAYS PRIOR TO ANY EARTH MOVING ACTIVITIES
- PROPOSED WATER SUPPLY: N/A
- 18. PROPOSED SANITARY SEWER SERVICE: N/A

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THIS PLAN HAS BEEN REVIEWED

for the Department of Environmental Protection 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

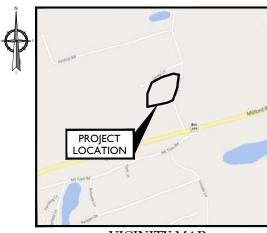
and sedimentation to the waters of the

Commonwealth



FINAL LAND DEVELOPMENT PLAN

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



VICINITY MAP

LOCATION INFORMATION

PPL FLECTRIC

1-800-342-5775

Colliers Engineering

NORTHEAST PENNSYLVANIA SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS

> 512 TOWNSHIP LINE ROAD **BUILDING 2. FLOOR 3** BLUE BELL, PA 19422

TELEPHONE PROVIDER VERIZON

PHONE: 1-800-837-4966

POLICE

POWER PROVIDER

STROUD AREA REGIONAL POLICE ADDRESS: 100 DAY STREET EAST STROUDSBURG, PA 18301 CITY, STATE, ZIP (570) 421-6800

PHONE: FIRE

COMPANY STROUDSBURG BOROUGH FIRE HOUSE 700 SARAH ST #1 ADDRESS: STROUDSBURG, PA 18360 CITY, STATE, ZIP:

IN CASE OF EMERGENCY, CALL 9-1-1

SHEET DESCRIPTION

SITE INFORMATION

N 41° 01' 53.23" (NAD 83) W 75° 09' 19.07" (NAD 83) I ATITUDE LONGITUDE: GROUND ELEVATION: 524'± AMSL (NAVD 88) **IURISDICTION:** SMITHFIELD TOWNSHIP COUNTY: MONROE COUNTY

LOT AREA: GROSS 5.209 ACRES (226,905 SF) NET 5.188 ACRES (226,011 SF)

EXISTING USE: INDUSTRIAL PROPOSED USED

WIRELESS COMMUNICATION TOWER, EQUIPMENT 8 ANTENNAS (WITHIN PROPOSED LEASE AREA)

PROJECT INFORMATION

APPLICANT/DEVELOPER

NORTHEAST PENNSYLVANIA SMSA LIMITED COMPANY:

PARTNERSHIP d/b/a VERIZON WIRELESS

4643 JONESTOWN ROAD, SUITE 200 HARRISBURG, PA 17109 ADDRESS. CITY, STATE, ZIP

CONTACT JOHN SZILEZY JOHN.SZILEZY@VERIZONWIRELESS.COM

PHONE #

LAND OWNER

RR2 AIRPORT ROAD, LLC 127 AIRPORT ROAD ADDRESS: CITY, STATE, ZIP: E STROUDSBURG, PA 18301

SOURCE OF TITLE **DEED REFERENCE: BOOK 2044**

STEPHEN SOMERS ADDRESS: 127 AIRPORT ROAD CITY, STATE, ZIP: E. STROUDSBURG, PA 18301

PARCEL ID: 16/117447 DEED REFERENCE: BOOK 201

SITE ACQUISITION

COMPANY: WIRELESS ACCESS TECHNOLOGIES, INC CONTACT: SUE MANCHEL (267) 253-2762

CONSTRUCTION MANAGER

COMPANY NORTHEAST PENNSYLVANIA SMSA LIMITED

PARTNERSHIP d/b/a VERIZON WIRELESS

ADDRESS: 512 TOWNSHIP LINE ROAD, BUILDING 2, FLOOR 3 CITY STATE 7IP BILIF BELL PA 19422 CONTACT: FRIC FISHER (267) 431-9887

ENGINEERING COMPANY

COLLIERS ENGINEERING & DESIGN, INC 2000 MIDLANTIC DRIVE, SUITE 100 COMPANY. ADDRESS: CITY, STATE, ZIP: MT. LAUREL, NJ 08054 MATT GRALIBART PE

CONTACT: PHONE: E-MAIL: (856) 797-0412 SHEET INDEX

T-I	TITLE SHEET
ES-I	E&S CONTROL AND STORM WATER MANAGEMENT PLAN
ES-2	E&S CONTROL AND STORM WATER DETAILS
ES-3	E&S CONTROL AND STORM WATER DETAILS
ES-4	E&S GRADING DETAILS
ES-5	E&S CONTROL AND STORM WATER GENERAL NOTES

ISSNA FAMILEWA PROFESSIONAL PETER MICHAEL ALBANO

OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

NEP MAGICK CAULDRON

119 AIRPORT ROAD EAST STROUDSBURG, PA 18301 MONROE COUNTY



TITLE SHEET

T-I

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTIO

CONSENT OF COLLIERS ENGINEERING & DESIGN.

TIA 607 FOR GROUNDING

DENIED AT THE SMITHEIFI D TOWNSHIP BOARD OF SUPERVISORS HEARING HELD ON IUNE 21, 2017, THE DECISION WAS OVERTURNED ON IANUARY 15, 2020 BY THE UNITED STATES DISTRICT COURT FOR MIDDLE DISTRICT OF PENNSYLVANIA.

CONDITIONAL USE

ON NOVEMBER 10, 2020, THE SMITHFIELD TOWNSHIP BOARD OF SUPERVISORS APPROVED THE CONDITIONAL USE APPLICATION FOR THE DISTURBANCE OF STEEP SLOPES.

WAIVERS/MODIFICATIONS

SALDO, SECTION 401.1 - WAIVER OF PRELIMINARY PLAN SUBMISSION

ACTION: GRANTED AT THE BOARD OF SUPERVISORS MEETING ON OCTOBER 14, 2020

SALDO, SECTION 603.A.(15) - WAIVER OF PROVIDING A COMMUNITY IMPACT ANALYSIS.

ACTION: GRANTED AT THE BOARD OF SUPERVISORS MEETING ON OCTOBER 14, 2020

SALDO, SECTION 603.B.(3) - WAIVER OF MINIMUM SHEET SIZE OF 24"x36" TO ALLOW PLAN SIZE OF 22"x34"

ACTION: GRANTED AT THE BOARD OF SUPERVISORS MEETING ON OCTOBER 14, 2020.

SALDO, SECTION 1024.11 - WAIVER OF PAVING THE ONE PARKING SPACE.

ACTION: GRANTED AT THE BOARD OF SUPERVISORS MEETING ON OCTOBER 14, 2020.

SALDO, SECTION 1101.1.C (AND ALL APPLICABLE SUBSECTIONS) - WAIVER OF PLANTING STREET TREES. ACTION: GRANTED AT THE BOARD OF SUPERVISORS MEETING ON OCTOBER 14, 2020.

SALDO, SECTION 1020 - WAIVER OF SUBMITTING A LIGHTING PLAN AND PROPOSED LIGHTING STRUCTURES

ACTION: GRANTED AT THE BOARD OF SUPERVISORS MEETING ON OCTOBER 14, 2020.

CODE COMPLIANCE

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE DLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES. NOTHING IN THESE PLANS IS TO BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THE LATEST EDITIONS OF THE FOLLOWING CODES

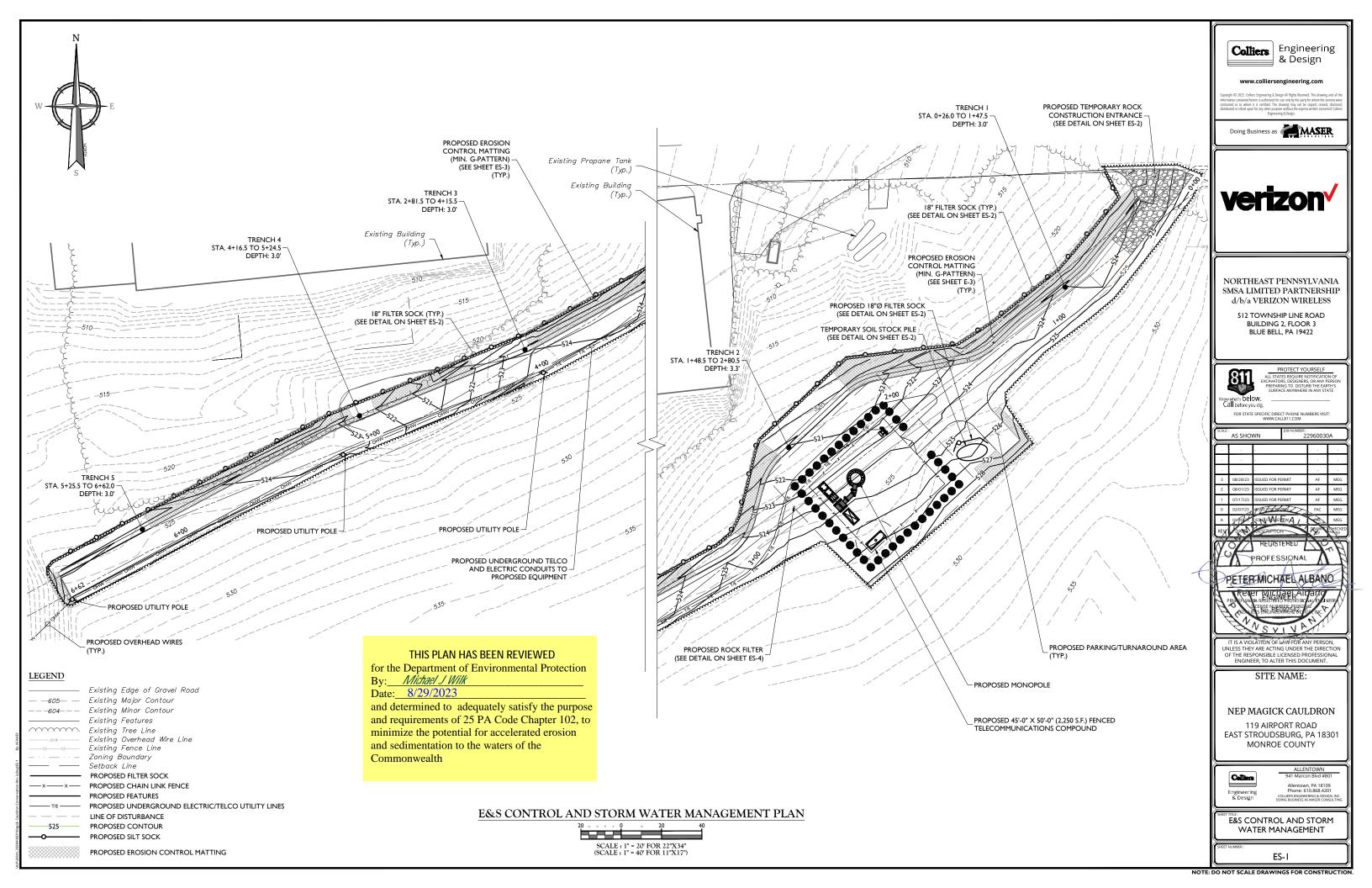
- PENNSYLVANIA UNIFORM CONSTRUCTION CODE INCORPORATING THE 2018 INTERNATIONAL BUILDING CODE
- 2017 NATIONAL ELECTRICAL CODE NFPA 70
- 2018 INTERNATIONAL FIRE CODE
- AMERICAN INSTITUTE OF STEEL CONSTRUCTION 360-16
- AMERICAN CONCRETE INSTITUTE

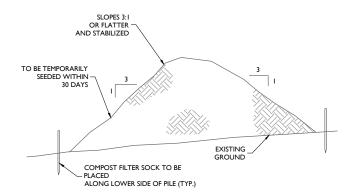
- INSTITUTE FOR FLECTRICAL AND FLECTRONICS **ENGINEERS 81 IEEE C2 LATEST EDITION**
- 10. ANSI T1.311

9. TELCORDIA GR-1275

- 11. PROPOSED USE: UNMANNED TELECOM FACILITY HANDICAP REQUIREMENTS: FACILITY IS UNMANNED
- AND NOT FOR HUMAN HABITATION. HANDICAPPED ACCESS NOT REQUIRED.
- 13. CONSTRUCTION TYPE: IIB
- 14. USE GROUP: U

MATTHEW.GRAUBART@COLLIERSENG.COM





TOPSOIL STOCKPILE DETAIL

THIS PLAN HAS BEEN REVIEWED

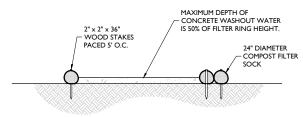
for the Department of Environmental Protection By: Michael J Wilk

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

NOTES:

- CONCRETE WASHOUTS ARE REQUIRED ON ALL CONSTRUCTION SITES INVOLVING CONCRETE AND STUCCO USE:
- 2. THE CONTRACTOR SHALL REQUIRE ALL CONCRETE DRIVERS TO UTILIZE THE CONCRETE WASHOUTS ONSITE.
- 3. WASHOUT FACILITIES SHALL BE LOCATED AT LEAST 50 YARDS AWAY FROM STORM SEWER DRAIN INLETS, GUTTERS, OPEN DITCHES, AND WATER COURSES.
- 4. APPROPRIATE STONE SHOULD COVER PATHS TO CONCRETE WASHOUT.
- 5. 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
- 6. CONCRETE WASHOUT AREAS SHALL BE IDENTIFIED BY POSTING SIGNS ONSITE.
- 7. CONCRETE WASHOUTS ARE TO BE INSPECTED DAILY BY THE CONTRACTOR FOR LEAKS OR TEARS IN PLASTIC LINER.
- 8. 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.
- 10. 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
- 11. PRE-FABRICATED OR ONSITE FABRICATED CONCRETE WASHOUTS MAY BE USED.
- 12. OPTIONS FOR ONSITE CONCRETE WASHOUTS:
 - A. DIG A PIT AND LINE WITH 10 MIL PLASTIC SHEETING.
 - B. CREATE AN ABOVE-GROUND STRUCTURE FROM STRAW BALES OR SANDBAGS, WITH 10 MIL PLASTIC LINING.



- INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE
- 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED

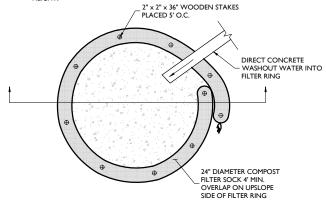


TABLE 4.1 COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS Material Type

Sock Diameter 23% at 1000 hr. 23% at 1000 hr. 100% at 1000 hr. Original Strength (ASTM G-155)

olypropyle (MFPP)

PLAN VIEW

	Longevity					
	Two-ply Systems					
	Inner Containment Netting		HDPE biaxial net			
			Continuously wound			
			Fusion-welded junctures			
			3/4" x 3/4" Max. aperture size			
	Outer Filtration Mesh		Composite Polypropylene Fabric (Woven layer and non-woven f mechanically fused via needle punch)		on-woven fleec	
			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		
pН	5.5-8.5		
Moisture Content	30%-60%		
Particle Size	30% - 50% pass through ⅔" sieve		
Soluble Salt Concentration	5 0 dS/m (mmhor/com) Maximum		

NOTES:

COMPOST FILTER SOCK

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.

2 IN. x 2 IN. WOODEN STAKES PLACED 10 FT ON CENTER

- COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEATS REVIEW IP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LEWGITH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS
- 3. TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER

SECTION

- 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 I 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 LATTRE CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

STANDARD CONSTRUCTION DETAIL # 4-1, STANDARD CONSTRUCTION TABLE #4.1 & 4.2 COMPOST FILTER SOCK DETAIL

GENERAL NOTES

- I. 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.
- 3. 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.
- 5. ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL COMPLY WITH THE DELAWARE EROSION AND SEDIMENT CONTROL HANDBOOK, LATEST EDITION.
- 6. 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.
- 7. 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.
- 8 THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SEDIMENT OR DERRIS LADEN RUNOFF OR WIND FROM LEAVING THE SITE THE CONTROL SHALL ALL HITES PROTECT AGAINST SEDIMENT OR DEBNIS ADEN KNOWPY OR WIND FROM LEAVING THE SITE. PERIMETER CONTROLS SHALL BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO PULLY 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.



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NORTHEAST PENNSYLVANIA SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS

> 512 TOWNSHIP LINE ROAD **BUILDING 2. FLOOR 3** BLUE BELL, PA 19422



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	\supset_{c}	TETER	MICHAEL AL	PANI	0	

PETER MICHAEL ALBANO

ENSE NUMBER: PEO

OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

NEP MAGICK CAULDRON

119 AIRPORT ROAD EAST STROUDSBURG, PA 18301 MONROE COUNTY



E&S CONTROL AND STORM WATER DETAILS

ES-2

CONCRETE WASHOUT DETAIL

Figure 1. Minimum Anchor Pattern

Maxin	Anchor		
Shear Stress	Velocity	Wave Heigth	Pattern
<= 6 lbs/ft2	<= 14 ft/s	6 in_	_ F
> 6-8 lbs/ft2	>14-18 ft/s	12 in.	⊮g
>8 lbs/ft2	> 18 ft/s	18 in.	H

Figure 2. Minimum Anchor Type

Soil Type	Anchor Type
Clay-Clay Loam	10 in Wire Staple
Silt Loam - Loam	10 in Wire Staple
Sandy Loam	12 in Wire Staple
Sand / Muck <= 6 in	7,12m Rebar Staple
Sand / Muck 6-12 in	-18 in Rebar Staple
Sand / Muck 12-18 in	24 in Earth Anchor + 12 in Rebar Staple
Sand / Muck > 18 in	36 in Earth Anchor = 18 in Rebar Staple 3

BLANKET EDGES STAPLED
AND OVERLAPPED
(4 IN. MIN.)

STARTING AT TOP OF SLOPE,
ROLL BLANKETS IN DIRECTION
OF WATER FLOW

STARTING AT TOP OF SLOPE,
ROLL BLANKETS IN DIRECTION
OF WATER FLOW

OF LIME FRETRILIZER AND
SEED) PRIOR TO BLANKET
INSTALLATION

OVERLAP BLANKET ENDS 6 IN. MIN.
WITH THE UPSLOPE BLANKET
MUST MAINTAIN GOOD
SOIL CONTACT
(SHINGLE STUP), STAPLE SECURELY.

AND INSTALLATION

REFER TO MANUF. RECOMMENDED
STAPLING PATTERN FOR STEEPNESS
AND LIGHT FOR

NOTES

- SEED AND SOIL AMENDMENTS SHALL BE APPLIED ACCORDING TO THE RATES IN THE PLAN DRAWINGS PRIOR TO INSTALLING THE BLANKET.
- 2. PROVIDE ANCHOR TRENCH AT TOE OF SLOPE IN SIMILAR FASHION AS AT TOP OF SLOPE.
- 3. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS.
- 4. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL DO NOT STRETCH BLANKET.
- 5. THE BLANKET SHALL BE STAPLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 6. BLANKETED AREAS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A HIMIMUM UNIFORM 70%. COVERAGE THROUGHOUT THE BLANKETED AREA DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPUGACED WITHIN A CALENDAR DAYS.

STANDARD CONSTRUCTION DETAIL # 11-1 EROSION CONTROL BLANKET INSTALLATION NOT TO SCALE

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

Figure 3. Anchor Patterns for use with Wire/Rebar Staples

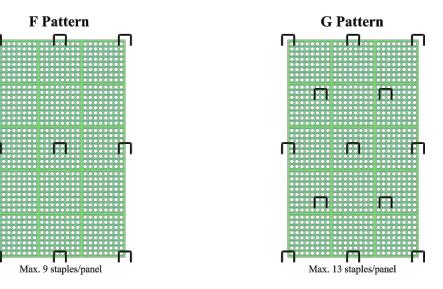
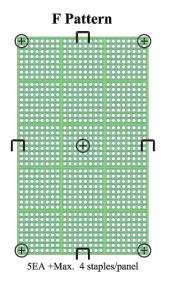
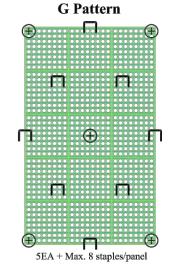
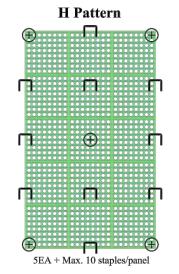


Figure 4. Anchor Patterns for use with Combination of Earth Anchors and Staples







H Pattern

П

П

Max. 15 staples/panel



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512 TOWNSHIP LINE ROAD BUILDING 2, FLOOR 3 BLUE BELL, PA 19422



FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT:

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PROFESSIONAL

PETER MICHAEL ALBANO

IT IS A VIOLATION OF LAW-FOR ANY PERSON
UNLESS THEY ARE ACTING UNDER THE DIRECTI
OF THE RESPONSIBLE LICENSED PROFESSION.

SITE NAME:

NEP MAGICK CAULDRON

119 AIRPORT ROAD EAST STROUDSBURG, PA 18301 MONROE COUNTY

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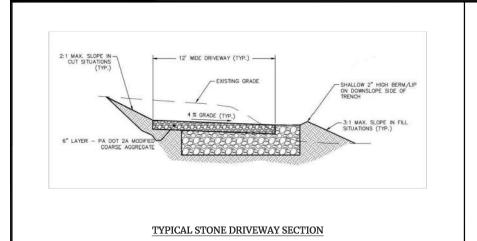
941 Marcon Blvd #801 Allentown, PA 18109 Phone: 610.868.4201

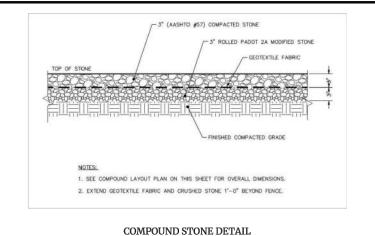
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E&S CONTROL AND STORM WATER DETAILS

EC-3

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.





PROPOSED GRADE SECTION - INFILTRATION BED

TRENCH SIZING CHART					
INFILTRATION TRENCH START STATION END STATION DEPTI					
TRENCH I	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+24.5	3.0'		
TRENCH 5	5+25.5	6+62.0	3.0'		

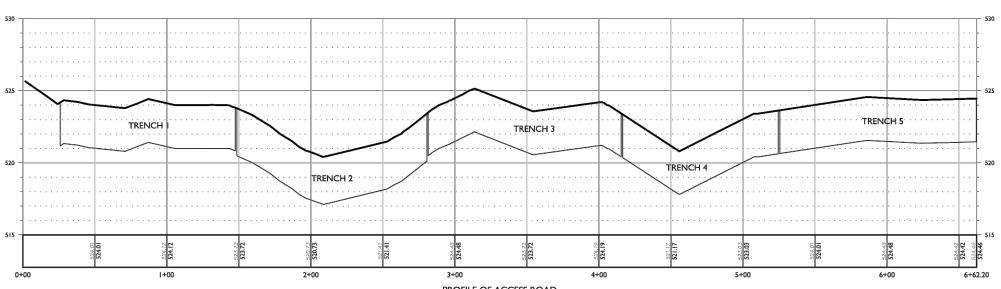
STONE TRENCH DETAIL

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



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

Colliers Engineering

Doing Business as MASER



NORTHEAST PENNSYLVANIA SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS

512 TOWNSHIP LINE ROAD BUILDING 2, FLOOR 3 BLUE BELL, PA 19422



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OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE NAME:

NEP MAGICK CAULDRON

119 AIRPORT ROAD EAST STROUDSBURG, PA 18301 MONROE COUNTY

E&S GRADING DETAILS

ES-4

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION

GENERAL SEDIMENT AND EROSION CONTROL METHODS/PROCEDURES

- ALL EARTH DISTURBANCES, INCLUDING CLEARING AND GRUBBING AS WELL AS CUTS AND FILLS SHALL BE DONE IN ACCORDANCE WITH THE APPROVED E&S PLAN. A COPY OF THE APPROVED DRAWINGS (STAMPED, SI AND DATED BY THE REVIEWING AGENCY) MUST BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. THE REVIEWING AGENCY SHALL BE NOTIFIED OF ANY CHANGES TO THE APPROVED PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE REVIEWING AGENCY MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- AT LEAST 7 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES, INCLUDING CLEARING AND GRUBBING, THE OWNER ANDIOR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE EAS PLAN PREPARER, THE PCSM PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OWENSIGHT OF CRITICAL STAGES OF IMPLEMENTATION OF THE PCSM PLAN, AND A REPRESENTATIVE FROM THE LOCAL CONSERVATION DISTRICT TO AN ON-SITE PRECONSTRUCTION MEETING.
- AT LEAST 3 DAYS PRIOR TO STARTING ANY EARTH DISTURBANCE ACTIVITIES. OR EXPANDING INTOAN AREA PREVIOUSLY UNMARKED, THE PENNSYLVANIA ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT I-800-242-1776 FOR THE LOCATION OF EXISTING UNDERGROUND UTILITIES.
- ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE SEQUENCE PROVIDED ON THE PLAN DRAWINGS, DEVIATION FROM THAT SEQUENCE MUST BE APPROVED IN WRITING FROM THE LOCAL CONSERVATION DISTRICT OR BY THE DEPARTMENT PRIOR TO IMPLEMENTATION.
- AREAS TO BE FILLED ARE TO BE CLEARED, GRUBBED, AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL.
- CLEARING, GRUBBING, AND TOPSOIL STRIPPING SHALL BE LIMITED TO THOSE AREAS DESCRIBED IN EACH STAGE OF THE CONSTRUCTION SEQUENCE, GENERAL SITE CLEARING, GRUBBING AND TOPSOIL STRIPPING MAY NO COMMENCE IN ANY STAGE OR PHASE OF THE PROJECT UNTIL THE E&S BMPS SPECIFIED BY THE BMP SEQUENCE FOR THAT STAGE OR PHASE HAVE BEEN INSTALLED AND ARE FUNCTIONING AS DESCRIBED IN THIS E&S PLAN
- AT NO TIME SHALL CONSTRUCTION VEHICLES BE ALLOWED TO ENTER AREAS OUTSIDE THE LIMIT OF DISTURBANCE BOUNDARIES SHOWN ON THE PLAN MAPS. THESE AREAS MUST BE CLEARLY MARKED AND FENCED OFF BEFORE CLEARING AND GRUBBING OPERATIONS BEGIN.
- TOPSOIL REQUIRED FOR THE ESTABLISHMENT OF VEGETATION SHALL BE STOCKPILED AT THE LOCATION(S) SHOWN ON THE PLAN MAPS(S) IN THE AMOUNT NECESSARY TO COMPLETE THE FINISH GRADING OF ALL EXPOSED AREAS THAT ARE TO BE STABILIZED BY VEGETATION. EACH STOCKPILE SHALL BE PROTECTED IN THANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H: IV OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION ANDIOR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE FOTENTIAL FOR REGISION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT ANDIOR THE REGIONAL OFFICE OF THE DEPARTMENT.
- 10. ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260,1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- . ALL OFF-SITE WASTE AND BORROW AREAS MUST HAVE AN E&S PLAN APPROVED BY THE LOCAL CONSERVATION
- DISTRICT OR THE DEPARTMENT FULLY IMPLEMENTED PRIOR TO BEING ACTIVATED. 12. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FOR
- FP-001 MUST BE RETAINED BY THE PROPERTY OWNER FOR ANY FILL MATERIAL AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE BUT QUALIFYING AS CLEAN FILL DUE TO ANALYTICAL TESTING.
- 4. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY
- MAINTENANCE SHALL INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENT BMPS AFTER EACH RUNOFF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RENETTING MUST BE PERFORMED IMMEDIATELY, IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED, REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED
- S. SEDIMENT TRACKED ONTO ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETIJRNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORKDAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVELED, OR SWEPT INTO ANY ROADSIDE DITCH, STORM SEWER, OR
- 17. ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN
- 18. AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES 6 TO 12 INCHES ON COMPACTED SOILS PRIOR TO PLACEMENT OF TOPSOIL AREAS TO BE VEGETATED SHALL HAVE A MINIMUM 4 INCHES OF TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING, FILL OUTSLOPES SHALL HAVE A MINIMUM OF 2 INCHES OF TOPSOIL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTIJRES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODE.
- 20. ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- 21. FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR OBJECTIONABLE MATERIALS THAT WOULID INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- 22. FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- 23. FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES
- 24. SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- 25. ALL GRADED AREAS SHALL BE PERMANENTILY STABILIZED IMMEDIATELY UPON REACHING FINISHED CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEEDED AREAS WITHIN 50 FEET OF A SURFACE WATER, OR AS OTHERWISE SHOWN ON THE PLAN DRAWINGS, SHALL BE BLANKETED ACCORDING TO THE STANDARDS OF THIS PLAN.
- 26. IMMEDIATELY AFTER FARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBARFA OF THE PROJECT. THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS, DURING NON-GERMINATING MONTHS, MULCH OR PROTECTIVE BLANKETING SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED ITTHIN I YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN I YEAR SHALL BE STABILIZED IN ACCORDANCE I'I ITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 27. PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUPPLICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.
- 28 FAS RMPS SHALL REMAIN FLINCTIONAL AS SLICH LINTU ALL ARFAS TRIBLITARY TO THEM ARE PERMANENTI
- 29. UPON COMPLETION OF ALL FARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL ISTURBED AREAS. THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
- 30. AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERHANENT POST CONSTRUCTION STORMWATER MANAGEMENT AREAS DISTURBED DURING REMOVAL OR CONVERSION OF THE BMPS SHALL BE STABILIZED IMMEDIATELY, IN ORDER TO ENSURE RAPID REVEGETATION OF DISTURBED AREAS, SUCH REMOVAL/CONVERSIONS ARE TO BE DONE ONLY DURING THE GERMINATING SEASON.
- 31. UPON COMPLETION OF ALL EARTH DISTURBANCE ACTIVITIES AND PERMANENT STABILIZATION OF ALL DISTURBED AREAS, THE OWNER AND/OR OPERATOR SHALL CONTACT THE LOCAL CONSERVATION DISTRICT TO SCHEDULE A FINAL INSPECTION.
- 32. FAILURE TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION STE. OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESQLVE FAILURE OF EAS BMS MAY RESULT IN ADMINISTRATIVE, CIVIL ANDIOR CRIMINAL PENALTIES BEING INSTITUTED BY THE DEPARTMENT AS DEFINED IN SECTION 602 OF THE PENNSYLVANIA CLEAN STREAMS LAW, THE CLEAN STREAMS LAW PROVIDES FOR UP TO \$10,000 FM SUMMARY CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES, AND UP TO \$20,000 IN MISDEMEANOR CRIMINAL PENAL TIES.

- 33. SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN AREAS OUTSIDE OF STEEP SLOPES, WETLANDS, FLOODPLAINS OR DRAINAGE SWALES AND IMMEDIATELY STABILIZED, OR PLACED IN TOPSOIL STOCKPILES
- 34. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN MUST BE AVAILABLE AT THE PROJECT SITE
 AT ALL TIMES, THE MONROE COUNTY CONSERVATION DISTRICT SHALL BE NOTIFIED OF ANY CHANGES TO THE D PLAN PRIOR TO IMPLEMENTATION OF THOSE CHANGES. THE DISTRICT MAY REQUIRE A WRITTEN SUBMITTAL OF THOSE CHANGES FOR REVIEW AND APPROVAL AT ITS DISCRETION.
- 35. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP, SUCH AS PUMPED WATER FILTER BAG OR EQUIVALENT SEDIMENT REMOVAL FACILITY, OVER UNDISTURBED VEGETATED AREA:
- 36. ANY PLACEMENT OF CLEAN FILL THAT HAS BEEN AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE MUST USE FORM FP-001 TO CERTIFY THE ORIGIN OF THE FILL MATERIAL AND THE RESULTS OF THE ANALYTICAL TESTING TO QUALITY THE MATERIAL AS CLEAN FILL. FORM FP-001 MUST BE RETAINED BY THE OWNER OF THE PROPERTY RECEIVING THE FILL

SEEPING SPECIFICATIONS

ANNUAL RYE GRASS (98% PURE LIVE SEED) 10 LBS PER 1000 SQUARE YARE MARCH 15 TO OCTOBER 15

PERMANENT COVER - ERNST ERNMX-132-1 RIGHT-OF-WAY NATIVE WOODS MIX WITH ANNUAL RYEGRASS OR APPROVED EQUAL

AUGUST I TO OCTOBER 15

"VEGETATIVE STABILIZATION WILL BE PERIODICALLY INSPECTED FOR PROPER GROWTH, ANY AREAS NOT ESPONDING WILL BE PROMPITY RESEDD, AREAS, WHICH SHOW SIGNS OF EROSION, PRIOR TO STABILIZATION SHALL BE GRADED, RESEDED, AND RE-MULCHD AS SOON AS POSSIBLE.

MULCHING SPECIFICATIONS

- HAY OR STRAW -- AIR-DRIED, FREE OF SEED AND COARSE MATERIAL. INSTALLATION RATE FOR PERMANENT AND TEMPORARY STABILIZATION IS THREE (3) TONS PER ACRE.
- THE MULCHING WILL BE UTILIZED DURING WINTER MONTHS AS A GOOD GROUND COVER ON TOPSOIL STOCKPILES, GRADED SLOPES AND OTHER AREAS TO BE GRASSED.
- THE DISTURBED AREAS WILL BE SEEDED WITHIN THE FIRST WIEEK OF THE DESIGNATED GROWING SEASON, OR BEFORE, IF THE WEATHER IS FAVORABLE.
- STRAW MULCH SHALL BE APPLIED AT THE RATE OF 3.0 TONS PER ACRE. ON STEEP SLOPES OF 3: I OR GREATER, MULCH SHALL BE ANCHORED THROUGH THE USE OF JUTE NETTING, EROSION CONTROL BLANKETS, OR MIXING WITH ASPHALT AT THE RATE OF 100 GALLONS PER 3 TONS OF STRAW MULCH.
- 5. STRAW MULCH SHALL BE APPLIED IN LONG STRANDS, NOT CHOPPED OR FINELY BROKEN.

SOIL SUPPLEMENT SPECIFICATIONS

 $\hbox{ALL TOPSOIL SHALL BE LOOSENED TO A DEPTH OF AT LEAST 4". ALL OBJECTIONABLE MATERIAL LARGER THAN 2"} \\$

DUE TO THE NATURE OF THE SOILS AT THE SITE IT MAY BE NECESSARY TO IMPORT TOPSOIL WITH SUFFICIENT ORGANIC MATERIAL AND WATER CAPACITY TO SUSTAIN THE SPECIFIED SEED MIXTURE.

LIMESTONE AND FERTILIZER SHALL BE APPLIED UNIFORMLY TO AREAS TO BE SEEDED, AND WORKED INTO THE SOIL TO A DEPTH OF 6° .

SUPPLEMENTS SHALL CONFORM TO THE REQUIREMENTS OF PENNDOT PUBLICATION 408, SECTION 804

LIMING - PLILVERIZED AGRICULTURAL LIMESTONE -- APPLIED AT 800 LBS/ 1000 S FERTILIZER - 10-20-10 ANALYSIS COMMERCIAL FERTILIZER - APPLIED AT 140 LBS PER 1000 SY

LIMING - PULVERIZED AGRICULTURAL LIMESTONE -- APPLIED AT 800 LBS/ 1000 SY
FERTILIZER - 10-20-10 ANALYSIS COMMERCIAL FERTILIZER - APPLIED AT 140 LBS PER 1000 SY
36-0 UREAFORM FERTILIZER - APPLIED AT 50 LBS/1000 SY
OR 32-00-10 38-00 SULPURA FERTILIZER - APPLIED AT 50 LBS/1000 SY TO 50 LIBS/1000 SY
OR 31-00-10 LBDU FERTILIZER - 61 LBS/1000 SY

SOILS LIMITATIONS & RESOLUTIONS

THE FOLLOWING ADDRESSES POTENTIAL ON-SITE SOILS USE LIMITATIONS AND PROPOSED RESOLUTIONS (RELATING TO THE SOILS WHERE CONSTRUCTION ACTIVITIES ARE PROPOSED):

SLOW PERCOLATION - INFILTRATION TESTING WAS PERFORMED TO CONFIRM SLIITARILITY OF PROPOSE RMWATER FACILITIES. SUBGRADE COMPACTION MUST BE LIMITED AS MUCH AS POSSIBLE IN INFILTRATION

LOW STRENGTH/CUTBANKS CAVE - THE EXCAVATION IN CUT AND PLACEMENT OF FILL WILL BE MINIMAL AND FILL SHALL BE PROPERLY COMPACTED.

DROUGHTY /POOR TOPSOIL - SOIL SUPPLEMENTS WILL BE USED AS NEEDED

PIPING - TRENCH BACKFILL SHALL BE PROPERLY COMPACTED WHEN INSTALLING UNDERGROUND LITTLETIES

RECYCLING AND DISPOSAL METHODS

PROCEDURES, WHICH ENSURE THAT THE PROPER MEASURES FOR THE RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT STE, WILL BE UNDERTAKEN IN ACCORDANCE WITH DEPARTMENT REGULATIONS, INDIVIDUALS RESPONSIBLE FOR EARTH DISTURBANCE ACT!—THES MUST ENSURE THAT PROPER MECHANISMS ARE IN PLACE TO CONTROL WASTE MATERIALS. CONSTRUCTION WASTES INCLUDE, BUT ARE NOT LIMITED TO, EXCESS SOIL MATERIALS BUILDING MATERIALS, CONCRETE WASH WATER, SANTRAY WASTES, ETC. THAT COULD ADVIERSELY IMPACT WATER QUALITY, THE CONTRACTOR SHALL PLAN AND IMPLEMENT MEASURES FOR HOUSEKEPING, MATERIALS ROBERDENT, AND LITTER CONTROL DURING CONSTRUCTION. WHEREVER POSSIBLE, RECYCLING OF EXCESS NATIONALS IS PREFERRED, RATHER THAN DISPOSAL DISPOSAL OF CONSTRUCTION. WASTES SHALL BE IN ACCORDANCE I'I ITH ALL LOCAL, STATE AND FEDERAL GUIDELINES AND REGULATIONS

CLEAN FILL AND ENVIROMENTAL DUE DILIGENCE:

- I F THE SITE WILL HAVE EXCESS FILL THAT WILL NEED TO BE EXPORTED TO AN OFF SITE LOCATION. THE RESPONSIBILITY OF CLEAN FILL DETERMINATION AND ENVIRONMENTAL DUE DILIGENCE RESTS ON THE APPLICANT, IF ALL CUT AND FILL MATERIALS WILL BE USED ON THE SITE, A CLEAN FILL DETERMINATION IS NOT REQUIRED BY THE OPERATOR UNLESS THERE IS A BELIEF THAT A SPILL OR RELEASE OF A REGULATED SUBSTANCE
- ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH PA DEP'S POLICY "MANAGEMENT OF FILL" DOCUMENT NUMBER 258-2182-773.
- 3. CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE DREDGED MATERIAL, USED ASPHALT (NOT INCLUDING MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE), AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWIEALTH UNLESS OTHERWISE AUTHORIZED.
- 4. ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SARCHES, REVIEW OF PROPERTY VOWNERSHIP, RE-PW OF PROPERTY USE HISTORY, SANSORN MAPS, ENVIRONMENTAL QUESTIONNAISES, TRANSACTION SCREENS, ANAL YTCAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS, ANALYTICAL TESTING IS NOT A REQUIRED PART OF DUE DUIGENCE UNLESS VISUAL INSPECTIONS ANDIOR RE-PW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN SUBJECTED TO A SPILL OR RELEASE OF REGULATED
- 5. FILL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS WASTE AND MUST BE MANAGED IN ACCORDANCE WITH PA DEPS MUNICIPAL OR RESIDENTIAL WASTE REGULATIONS BASED ON 25 PA CODE CHAPTERS 287 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS

MAINTENANCE PROGRAM

UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENTATION CONTROLS MUST BE MAINTAINED PROPERLY. VERIZON WIRELESS IS RESPONSIBLE FOR MAINTAINING OF EAS BMPS. MAINTENANCE MUST INCLUDE INSPECTIONS OF ALL EROSION AND SEDIMENTATION CONTROL DE-CES AFTER EACH RUNDEF EVENT AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING, AND ENEVETTING, MUST BE PERFORMED IMMEDIATELY.

WHERE DUST OR WIND FROSION IS A PROBLEM. THE LINSTABLE SURFACE(S) SHALL BE SPRINKLED L'LLTH WATER OR OTHER SUITABLE DUST SUPPRESSER

ANY TEMPORARY EROSION CONTROL MEASURE APPLIED TO EXPOSED SOIL SURFACES SHALL REMAIN FUNCTIONAL UNTIL VEGETATIVE COVER IS SUFFICIENTLY ESTABLISHED. TEMPORARY STABILIZATION SHALL OCCUR NO MORE THAN 4 DAYS AFTER EARTHMOVING ACTIVITIES CEASE.

ANY DEBRIS ACCUMULATED AT FILTER SOCKS SHALL BE REMOVED AND PROPERLY DISPOSED. BARRIERS SHALL E CHECKED DAILY AND REALIGNED OR RESET AS REQUIRED. REMOVE SEDIMENT WHEN IT REACHES ONE HALF OF FENCE HIGHT.

VEGETATIVE STABILIZATION SHALL BE PERIODICALLY INSPECTED FOR PROPER GROWTH, ANY AREAS NO RESPONDING SHALL BE PROMPTLY RESERVED AREAS WHICH SHOW SIGNS OF EROSION PRIOR TO STABILIZATION SHALL BE GRADED, RESEEDED AND REMULCHED AS SOON AS POSSIBLE. SOD SHALL BE UTILIZED AT AREAS WHERE SEEDING DOES NOT APPEAR TO BE PROPERLY STABILIZING AN AREA

ALL EROSION AND SEDIMENTATION POLLUTION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THE SITE HAS BEEN STABILIZED, PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER

SEQUENCE OF CONSTRUCTION

NOTE: ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE. EACH STAGE SHALL BE COMPLETED AND IMMEDIATELY STABILIZED BEFORE AND FOLLOWING STAGE IS INITIATE CLEARING, GRUBBING AND TOPSOIL STRIPPING SHALL BE LIMITED ONLY TO THOSE AREAS DESCRIBED IN EACH

- AT LEAST 7 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIMITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND REPRESENTATIVES OF THE COUNTY CONSERVATION DISTRICT TO AN ON-SITE MEETING, ALSO, AT LEAST 3 DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES ALL TOTAL PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT 1-800-242-1776 FOR BURIED LITHTIES LOCATIONS
- 2. MARK THE LIMITS OF DISTURBANCE IN THE FIELD.
- 3. INSTALL FILTER SOCK AT LOCATIONS INDICATED.
- 5. INSTALL TEMPORARY CONSTRUCTION ENTRANCE AND TEMPORARY ACCESS
- 6. CLEAR AND GRUB ACCESS DRIVE AND TOWER COMPOUND.
- 7. REMOVE TOPSOIL STOCKPILE TOPSOIL IN AREA INDICATED WITHIN THE FILTER SOCK.
- 8. CONSTRUCT ACCESS DRIVE. INSTALL INFILTRATION TRENCH A2 AND STONE COLLECTION TRENCH.
- 9. PERFORM GRADING OPERATIONS AND CONSTRUCT IMPROVEMENTS ON SITE. CARE SHOULD BE TAKEN TO INSTALL THE GEO TEXTILE AND COARSE AGGREGATE LAYER IN THE FENCED COMPOUND AREA AS SOON AS POSSIBLE TO AVOID PROLONGED EXPOSURE OF THE SUBBASE INSTALL UNDERGROUND/OVERHEAD UTILITY BY LIMITING DAILY DISTURBANCE TO AMOUNT OF TRENCHING, EXCAVATION, RESTORATION, AND STABILIZATION THAT CAN BE COMMETED IN ONE DAY.
- 10. INSTALL EROSION CONTROL MATTING ON ALL SLOPES EQUAL TO OR STEEPER THAN 3: 1.
- II. INSTALL INFILTRATION TRENCH AI.

- 14. PROCEDURES WHICH ENSURE THAT THE PROPER MEASURES FOR THE RECYCLING OR DISPOSAL OF MATERIALS ASSOCIATED WITH OR FROM THE PROJECT SITE WILL BE UNDERTAKEN IN ACCORDANCE WITH DEPARTMENT REGULATIONS FROM TITLE 25 102.4.(B).(5).(XI)
- WITH THE PERMISSION OF THE CONSERVATION DISTRICT INSPECTOR, REMOVE EROSION AND SEDIMENTATION CONTROL DEVICES WHEN THE SITE IS STABILIZED. SEED AREAS WHERE DEVICES WERE REMOVED, PERMANENT STABILIZATION IS DEFINED AS A MINIMIUM UNIFORM, PERENNIAL 76% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENT.

INFILTRATION FACILITIES NOTES

- I. PLACE ORANGE CONSTRUCTION FENCE SURROUNDING THE PROPOSED INFILTRATION TRENCHES/BEDS AS DICATED ON THE PLAN PRIOR TO ANY EARTH DISTURBANCE TO PREVENT POTENTIAL SOIL COMPACTION
- 2. THE BOTTOM OF THE BED MUST BE COMPLETELY LEVEL.
- 3. EXCAVATION SHALL BE DONE WITH A BACKHOE POSITIONED OFF TO THE SIDE OF THE TRENCH/BED. HEAVY CONSTRUCTION EQUIPMENT IS NOT PERMITTED ON THE BOTTOM OF THE INFILTRATION TRENCH/BED
- 4. INFILTRATION TRENCH/BED FILTER FABRIC AND STONE SHOULID BE KEPT CLEAN OF SOIL/SEDIMENT OR PUNCTURES DURING THE INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL SEDIMENT HAS ENTERED THE INFILTRATION TRENCHIEBED, OR THE FABRIC HAS BEEN PUNCTURED, APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM THE FABRIC, STONE, BED, ETC. AND OR REPLACEMENT OF THE FABRIC AND CTANLE PAULLIN DRE SOURCE.
- 5. STONE IS TO BE CHECKED BY THE DESIGN OR SITE ENGINEER PRIOR TO INSTALLATION INTO THE INFILTRATION BMPs TO ENSURE THAT IT IS CLEAN WASHED STONE.
- 6. ALL STONE FOR THE CONSTRUCTION OF THE INFILTRATION TRENCHES/BEDS SHOULD BE UNIFORMLY GRADED AND BE CLEAN WASHED AGGREGATE, ONLY CLEAN AGGREGATE, FREE OF FINES, SHALL BE ALLOWED.
- 7. THE BOTTOM OF THE INFILTRATION TRENCH/BED SHALL BE UNDISTURBED OR UNCOMPACTED SUBGRADE AND BE SCARIFIED PRIOR TO PLACEMENT OF FABRIC AND AGGREGATE.
- 8. INFLOW AND OUTFLOW POINTS INTO THE INFILTRATION TRENCH/BED SHOULD BE KEPT CLEAN OF LEAVES AND OTHER DEBRIS. ANY LEAVES OR DEBRIS WILL NEGATIVELY IMPACT THE PERFORMANCE OF THIS ALL DOWNSPOUTS AND OVERFLOW PIPES SHOULD BE KEPT IN GOOD WORKING ORDER.
- 9. SHOULD BEDROCK, HIGH GROUNDWATER, OR SOIL LIMITATIONS PROHIBIT THE USE OF THIS SYSTEM AS INTENDED, AN ALTERNATURE LOCATION ON THE PROPERTY OR REDESIGN OF STORMWATER MANAGEMENT FACILITIES MAY BE REQUIRED, ANY NEW DESIGNS OR REALLOCATIONS RESULTING FIROM ADVERSE SITE CONDITIONS MUST BE REVISED BY THE DESIGN ENGINEER AND MUST BE SUBMITTED TO THE GOVERNING AGENCY ON A REVISED PLAN FOR REVIEW AND APPROVAL
- 10. CHECK STORMWATER MANAGEMENT SYSTEM REGULARLY, ESPECIALLY AFTER SIGNIFICANT RAINFALL EVENTS AND MAKE ANY REPAIRS NEEDED TO KEEP FACILITIES FUNCTIONAL LESSEE IS RESPONSIBLE FOR MAINTENANCE
- II. ALSO SEE OTHER NOTES HEREON.

OPERATION AND MAINTENANCE SCHEDULE

VERIZON WIRELESS SHALL OWN, MAINTAIN AND BE RESPONSIBLE FOR ALL STORMWATER MANAGEMENT AND PERMANENT BMF FACILITIES (I.E. RAIN GARDENS, SEEPAGE BEDS, DETENTION BASINS AND SWALES) THAT ARE LOCATED OUTSIDE OF STREET RIGHT-OF-WAYS AS PROPOSED ON THE PLANS.

- 2. VERIZON WIRELESS SHALL CONDUCT A VISUAL INSPECTION OF ALL STORMWATER MANAGEMENT AND PERHANENT BMP FACILITIES AT LEAST IONCE EVERY THREE MONTHS AND IMMEDIATELY AFTER STORM SUCH VISUAL EXAMINATION SHALL AT LEAST INVOLVE AN EXAMINATION OF THE STORMWATER COLLECTION. CONVEYANCE AND BMP FACILITIES FOR DEBNIS DEPOSITION (SUCH DEBRIS MAY INCLUDE, BUT SHALL NOT BE LIMITED TO AGGREGATE MATERIAL, LEAVES, GRASS CLIPPINGS, SOIL AND TRASH), AND AN EXAMINATION OF TSOMMWATER BMP FACILITIES FOR SOIL AND STRUCTURAL SETTLEMENT, DEPRESSIONS, SINKHOLES, SEEPS, STRUCTURAL CRACKING, ANIMAL BURROWS, EXCESSIVE VEGETATION, CLOGGING, EROSION AND FOUNDATION
- 3. VERIZON WIRELESS SHALL REMOVE ANY ACCUMULATION OF DEBRIS AND REPAIR ANY DAMAGE TO TH STORMWATER MANAGEMENT AND PERMANENT BMP FACILITIES. REPAIRS SHALL BE MADE USING MATERIAL THAT MEETS OR EXCEEDS THE SPECIFICATIONS PROVIDED ON THE PLANS.
- VERIZON WIRELESS IS REQUIRED TO MAINTAIN A RECORD OF ALL INSPECTIONS, REPAIRS AND MAINTENANCE ACTIVITIES ASSOCIATED 11 ITH THE STORMWATER MANAGEMENT AND PERMANENT BMP FACILITIES AT THIS PROJECT STE VERIZON WIRELESS SHALL IMMEDIATELY NOTIFY THE COLUMY CONSERVATION DETRICT PROJECT OF INITIATING ANY MAJOR REPAIR ACTIVITIES (SUCH AS REPAIRS THAT MAY BE REQUIRED BECAUSE OF SETTLEMENT, SINKHOLES, SEEPS, STRUCTIFIAN CRACKING OR FOUNDATION MOVEMENT).
- 5. VERIZON WIRELESS SHALL ALSO COMPLY WITH ANY OTHER MAINTENANCE NOTES INCLUDED ON THE
- 6. VERIZON WIRELESS SHALL BE RESPONSIBLE FOR PROPER MAINTENANCE DURING AND AFTER DEVELOPMENT.
- 7. AT NO TIME WILL ANY ACTION BE TAKEN BY THE OCCUPANT TO DISRUPT OR IN ANY WAY IMPAIR THE

SPECIFIC OPERATION AND MAINTENANCE

STONE COLLECTION TRENCH WITH STONE CHANNEL DISCHARGE

- I. INSPECT AT LEAST ONCE PER YEAR AND AFTER ANY STORM EVENT OF GREATER THAN 3 INCHES OF RAIN
- 2. VERIFY STONE CHANNEL DISCHARGE IS OPERATIONAL. REPAIR OR REPLACE AS NEEDED
- 3 INSPECT ROCK IN PIT AND/OR TRENCH TO DETERMINE IT IS NOT CLOGGED REPLACE ANY CLOGGED STONE
- 4. VERIFY THAT OUTLET AREA IS STABLE. STABILIZE ANY ERODED OUTLET AREAS.
- 5. REMOVE ANY ACCUMULATED DEBRIS ON TOP OF STONE COLLECTION PIT OR AT THE OUTLET.
- 6. TRACK REPAIRS AND DATE COMPLETED IN LOG BOOK OR ON INSPECTION FORMS

- I. INSPECT AT LEAST TWICE PER YEAR AND AFTER ANY STORM EVENT OF GREATER THAN 3 INCHES OF RAIN
- MAKE ANY REPAIRS NEEDED TO KEEP FACILITY FUNCTIONAL IF AT ANY POINT, THERE IS VISUAL EVIDENCE OF STANDING WATER WITHIN THE STONE TRENCH OR AT THE SURFACE OF THE STONE TRENCH, MAINTENANCE OF THE FACILITY SHALL BE PERFORMED TO DETERMINE THE NEED FOR REPLACEMENT OF THE STONE WITHIN THE TEXT.

THIS PLAN HAS BEEN REVIEWED

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

for the Department of Environmental Protection

By: Michael J Wilk

Date: 8/29/2023

Commonwealth

3. TRACK REPAIRS AND DATE COMPLETED IN LOG BOOK OR ON INSPECTION FORMS



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Doing Business as MASER



NORTHEAST PENNSYLVANIA SMSA LIMITED PARTNERSHIP d/b/a VERIZON WIRELESS

> 512 TOWNSHIP LINE ROAD BUILDING 2, FLOOR 3 BLUE BELL, PA 19422



FOR STATE SPECIFIC DIRECT PHONE NUMBERS VISIT

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OF THE RESPONSIBLE LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

PETER MICHAEL ALBANO

CENSE NUMBER: PEOS: LS NOSINIERROSSA SE

SITE NAME:

NEP MAGICK CAULDRON

119 AIRPORT ROAD EAST STROUDSBURG, PA 18301 MONROE COUNTY



E&S CONTROL AND STORM WATER GENERAL NOTES

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION