

RAIN GARDEN DETAIL

OPERATION AND MAINTENANCE PROCEDURES - RAIN GARDENS:

- WHILE VEGETATION IS BEING ESTABLISHED, PRUNING AND WEEDING MAY BE REQUIRED DETRITUS MAY ALSO NEED TO BE REMOVED EVERY YEAR. PERENNIAL PLANTINGS MAY BE CUT DOWN AT THE END OF THE GROWING SEASON.
- RE-SEEDING AND RE-MULCHING SHALL BE PERFORMED WHEN EROSION IS EVIDENT OR BARE SPOTS DEVELOP. ONCE EVERY 2 TO 3 YEARS THE ENTIRE AREA MAY REQUIRE RE-SEEDING WITH THE SPECIFIED SEED MIXTURE (ERNMX-180-1).
- 4. RAIN GARDENS SHOULD BE INSPECTED AT LEAST TWO TIMES PER YEAR FOR SEDIMENT BUILDUP, EROSION, VEGETATIVE CONDITIONS, ETC.
- 5. DURING PERIODS OF EXTENDED DROUGHT, RAIN GARDENS MAY REQUIRE WATERING. 6. RAIN GARDEN VEGETATION SHALL BE INSPECTED TWICE PER YEAR TO EVALUATE HEALTH.

<u>SEQUENCE OF CONSTRUCTION - RAIN GARDENS:</u>

- A. SUBGRADE PREPARATION
- EXISTING SUB-GRADE IN BIORETENTION AREAS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC. 2. INITIAL EXCAVATION CAN BE PERFORMED DURING ROUGH SITE GRADING BUT SHALL NOT BE CARRIED TO WITHIN ONE FEET OF THE FINAL BOTTOM ELEVATION. FINAL EXCAVATION SHOULD NOT TAKE PLACE UNTIL ALL DISTURBED AREAS IN THE DRAINAGE AREA HAVE
- 3. WHERE EROSION OF SUB-GRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS AND/OR SURFACE PONDING IN THE GRADED BOTTOM, THIS MATERIAL SHALL BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES WITH A YORK RAKE OR EQUIVALENT BY LIGHT TRACTOR.

 4. BRING SUB-GRADE OF BIORETENTION AREA TO LINE, GRADE, AND ELEVATIONS INDICATED.
- FILL AND LIGHTLY REGRADE ANY AREAS DAMAGED BY EROSION, PONDING, OR TRAFFIC COMPACTION. ALL BIORETENTION AREAS SHALL BE LEVEL GRADE ON THE BOTTOM.

 5. HALT EXCAVATION AND NOTIFY ENGINEER IMMEDIATELY IF EVIDENCE OF SINKHOLE ACTIVITY OR PINNACLES OF CARBONATE BEDROCK ARE ENCOUNTERED IN THE BIORETENTION AREA.
- . UPON COMPLETION OF SUB-GRADE WORK, THE ENGINEER SHALL BE NOTIFIED AND SHALL INSPECT AT HIS/HER DISCRETION BEFORE PROCEEDING WITH BIORETENTION INSTALLATION. 2. FOR THE SUBSURFACE STORAGE/INFILTRATION BED INSTALLATION, AMENDED SOILS SHOULD E PLACED ON THE BOTTOM TO THE SPECIFIED DEPTH
- 3. PLANTING SOIL SHALL BE PLACED IMMEDIATELY AFTER APPROVAL OF SUB-GRADE PREPARATION/BED INSTALLATION. ANY ACCUMULATION OF DEBRIS OR SEDIMENT THAT TAKES PLACE AFTER APPROVAL OF SUB-GRADE SHALL BE REMOVED PRIOR TO
- INSTALLATION OF PLANTING SOIL AT NO EXTRA COST TO THE OWNER. 4. INSTALL PLANTING SOIL (EXCEEDING ALL CRITERIA) IN 18-INCH MAXIMUM LIFTS AND LIGHTLY COMPACT (TAMP WITH BACKHOE BUCKET OR BY HAND). KEEP EQUIPMENT MOVEMENT OVER PLANTING SOIL TO A MINIMUM — **DO NOT OVÉR COMPACT.** INSTALL
- PLANTING SOIL TO GRADES INDICATED ON THE DRAWINGS. 5. PLANT RAIN GARDEN SEED MIX (ERNMX-180-1) ACCORDING TO SUPPLIER'S RECOMMENDATIONS AND ONLY FROM MID-MARCH THROUGH THE END OF JUNE OR FROM MID-SEPTEMBER THROUGH MID-NOVEMBER. IF FINAL GRADES FOR RAIN GARDEN ARE ESTABLISHED OUTSIDE OF THESE DATE RANGES, THE DISTURBED AREA SHALL BE MMEDIATELY STABILIZED BY TEMPORARY SEEDING AND MULCH. AS INDICATED HEREON
- CONTRACTOR WILL BE REQUIRED TO COMPLETE THE PERMANENT SEEDING DURING THE SPECIFIED SEEDING DATES. 6. INSTALL STRAW OR HAY MULCH OVER NEWLY PLANTED SEED IN ACCORDANCE WITH SPECIFICATIONS FOR PERMANENT SEEDING SHOWN HEREON.
- 7. PROTECT RAIN GARDENS FROM SEDIMENT AT ALL TIMES DURING CONSTRUCTION. HAY BALES, DIVERSION BERMS AND/OR OTHER APPROPRIATE MEASURES SHALL BE USED AT THE TOE OF SLOPES THAT ARE ADJACENT TO RAIN GARDENS TO PREVENT SEDIMENT FROM
- WASHING INTO THESE AREAS DURING SITE DEVELOPMENT.

 8. WHEN THE SITE IS <u>FULLY VEGETATED</u> AND THE SOIL MANTLE STABILIZED THE PLAN DESIGNER SHALL BE NOTIFIED AND SHALL INSPECT THE RAIN GARDEN DRAINAGE AREA AT HIS/HER DISCRETION BEFORE THE AREA IS BROUGHT ONLINE AND SEDIMENT CONTROL
- 9. WATER VEGETATION AT THE END OF EACH DAY FOR TWO WEEKS AFTER PLANTING IS
- CONTRACTOR SHALL PROVIDE A ONE-YEAR 80% CARE AND REPLACEMENT WARRANTY FOR ALL PLANTING BEGINNING AFTER INSTALLATION AND INSPECTION OF ALL PLANTS. PERMANENT SEEDING NOTES
- PERMANENT STABILIZATION OF ALL EXPOSED EARTH SURFACES AFTER THE COMPLETION OF THE SITE GRADING AND IMPROVEMENTS SHALL BE ACCOMPLISHED BY THE FOLLOWING METHODS AND MATERIALS:
- 1. AFTER INSTALLATION OF THE NEEDED SURFACE WATER CONTROL MEASURES, PERFORM ALL CULTIVATION
- AFTER INSTALLATION OF THE NEEDED SURFACE WATER CONTROL MEASURES, PERFORM ALL CULTIVATION OPERATIONS AT RIGHT ANGLES TO THE SLOPE.

 SPREAD AND FINE GRADE 4" TOPSOIL ON ALL AREAS TO BE PERMANENTLY SEEDED.

 APPLY LIME AT THE RATE OF SIX (6) TONS LIMESTONE PER ACRE (240 LBS. PER 1,000 SQUARE FEET).

 WORK IN FERTILIZER TO TOP 4" OF SOIL AT THE RATE OF 1000 LBS. OF 10-20-20 OR EQUIVALENT PER ACRE.
- SMOOTH AND FIRM SEEDED AREAS WITH CULTIPACKER, OR OTHER SIMILAR EQUIPMENT, PRIOR TO SEEDING.
- SMOUTH AND FIRM SELECTION SELECTION OF TOPSOIL WITH SUITABLE EQUIPMENT.

 COVER GRASS SEEDS WITH 1/4 INCH OF TOPSOIL WITH SUITABLE EQUIPMENT.

 INSTALL EROSION CONTROL BLANKETS WHERE INDICATED ON THE PLANS AND APPLY STRAW MULCH AT A RATE OF THREE (3) TONS PER ACRE OVER ALL REMAINING DISTURBED AREAS.

 RESEED BARE OR THIN AREAS AS NEEDED TO ACHIEVE STABILIZATION

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- 9. WATER AND MAINTAIN ALL LAWN AREAS; RESEED BARE OR THIN AREAS AS NEEDED TO ACHIEVE STABILIZATION.

 10. USE SOD WHERE THERE IS A HEAVY CONCENTRATION OF WATER AND IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER IN ORDER TO PREVENT GULLYING. HYDROSEEDING SHALL BE AN ACCEPTABLE ALTERNATIVE WHEN PERFORMED IN ACCORDANCE WITH PENNDOT PUB. 408 SECTIONS 804 AND 805 AND APPROVED BY THE SITE ENGINEER.

PERMANENT SEEDING SPECIFICATION

SPECIES OR MIXTURE	PERCENT BY WEIGHT		NG RATES BS. PER	RECOMMENDED SEEDING
		1,000 SQ.FT.	ACRE	DATES
-PERENNIAL RYEGRASS MIXTURE	20%	2.4	95 TO 105	3/15 TO 6/1 8/1 TO 10/15
-CREEPING RED FESCUE or CHEWINGS FESCUE	30%			
-KENTUCKY BLUEGRASS MIXTURE	50%			

MULCH APPLICATION RATES

MULCH TYPE		APPLICATION RAT	NOTES	
	PER ACRE	PER ACRE PER 1,000 SF		
STRAW	3 TONS	140 LB	1,240 LB	EITHER WHEAT OR OAT STRAW, FREE OF WEEDS, NOT CHOPPED OR FINELY BROKEN
HAY	3 TONS	140 LB	1,240 LB	TIMOTHY, MIXED CLOVER AND TIMOTHY OR OTHER NATIVE FORAGE GRASSES
WOOD	1,000 LB CELLULOSE	25 LB	210 LB	WHEN USED OVER STRAW OR HAY
WOOD CHIPS	4-6 TONS	185-275 LB	1,650-2,500 LB	MAY PREVENT GERMINATION OF GRASSES AND LEGUMES

MULCH ANCHORING GUIDE

RECOMMENDED.)

STRAW AND HAY MULCH SHALL BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT WINDBLOWN. A TRACTOR-DRAWN IMPLEMENT MAY BE USED TO "CRIMP" THE STRAW OR HAY INTO THE SOIL. THIS METHOD IS LIMITED TO SLOPES NO STEEPER THAN 3:1. THE MACHINERY SHALL BE OPERATED ON THE CONTOUR. (NOTE: CRIMPING OF HAY OR STRAW BY RUNNING OVER IT WITH TRACKED MACHINERY IS NOT

ASPHALT, EITHER EMULSIFIED OR CUT-BACK, CONTAINING NO SOLVENTS OR OTHER DILUTING AGENTS TOXIC TO PLANT OR ANIMAL LIFE, UNIFORMLY APPLIED AT THE RATE OF 31 GALLONS PER 1000 SQ. YD. MAY BE USED TO TACK MULCH.

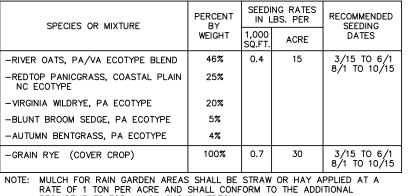
SYNTHETIC BINDERS (CHEMICAL BINDERS) MAY BE USED AS RECOMMENDED BY THE MANUFACTURER TO ANCHOR MUCH PROVIDED SUFFICIENT DOCUMENTATION IS PROVIDED TO SHOW THEY ARE NON-TOXIC TO NATIVE PLANT AND ANIMAL SPECIES.

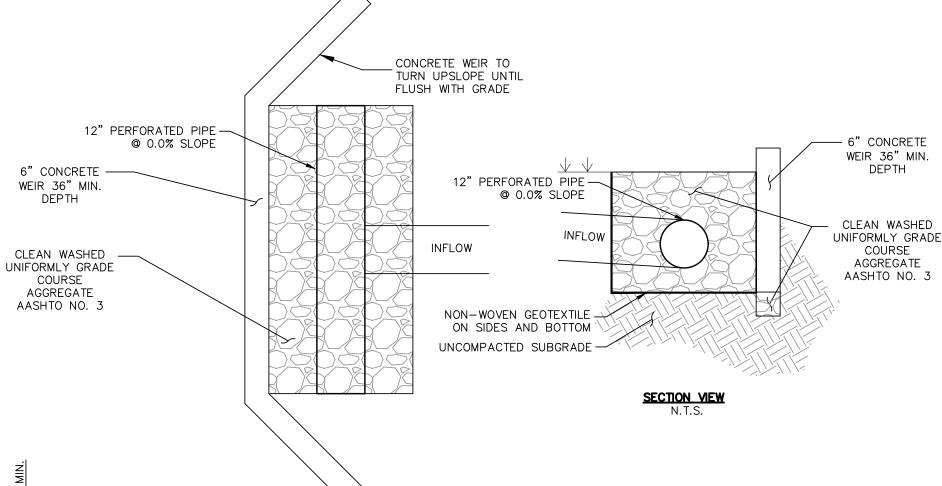
LIGHTWEIGHT PLASTIC, FIBER, OR PAPER NETS MAY BE STAPLED OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

PERMANENT SEEDING SPECIFICATION—RAIN GARDENS (ERNMX-180-1)

REQUIREMENTS FOR MULCH SHOWN HEREON.

<u> </u>					
SPECIES OR MIXTURE	PERCENT BY	SEEDING RATES IN LBS. PER		RECOMMENDED SEEDING	
SI ESIES SIN WINTONE	WEIGHT	1,000 SQ.FT.	ACRE	DATES	
-RIVER OATS, PA/VA ECOTYPE BLEND	46%	0.4	15	3/15 TO 6/1 8/1 TO 10/15	
-REDTOP PANICGRASS, COASTAL PLAIN NC ECOTYPE	25%			8/1 10 10/13	
-VIRGINIA WILDRYE, PA ECOTYPE	20%				
-BLUNT BROOM SEDGE, PA ECOTYPE	5%				
-AUTUMN BENTGRASS, PA ECOTYPE	4%				
-GRAIN RYE (COVER CROP)	100%	0.7	30	3/15 TO 6/1 8/1 TO 10/15	

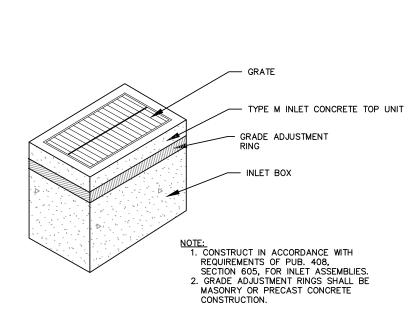




8" PERFORATED PIPE -@ 0.0% SLOPE UNCOMPACTED -CLEAN WASHED UNIFORMLY GRADE COURSE AGGREGATE AASHTO NO. WIDTH VARIES NON-WOVEN -TYP. 3'-4'

LEVEL SPREADER DETAIL

INFILTRATION TRENCH DETAIL



TYPE M INLET N.T.S.

—48″ I.D.

MANHOLE STEPS @ 12" DC

ິ 6" MIN. ⊐

- MANHOLE FRAME AND COVER WITH HIGH DENSITY POLYETHYLENE

FINISHED GRADE

1. A MINIMUM OF TWO SECTIONS OF BRICK

MASONRY OR GRADE RINGS IS REQUIRED

MUST CONFORM TO GRADE OF STREET.

2. MANHOLE SECTIONS SHALL BE TONGUE

AND GROOVE WITH RUBBER RING

3. AFTER MANHOLE IS SET, THE ENTIRE

OUTER SURFACE SHALL BE COATED

WITH BITUMASTIC, EXCEPT STORM

MANHOLES SHALL BE MADE USING

-48" ø PRECAST

MANHOLE SECTION

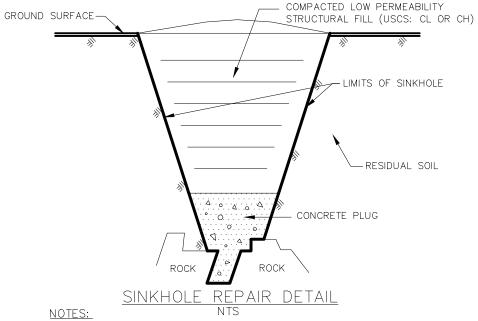
4. ALL SEWER LINE CONNECTIONS TO

RUBBER GASKET SEALS.

GASKETS OR APPROVED EQUAL.

ONLY WHERE MANHOLE FRAME AND COVER

MANHOLE INSERT



SINKHOLES ENCOUNTERED DURING CONSTRUCTION SHOULD BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE GEOTECHNICAL ENGINEER. OVER-EXCAVATE LOOSE SOIL AND ROCK FROM THROAT OF SINKHOLE UNTIL STABLE ROCK OR

SOIL IS ENCOUNTERED 3. PLACE LOW SLUMP CONCRETE INTO THROAT TO FORM A PLUG. CONCRETE SHOULD EXTEND A MINIMUM OF 3' FROM THE BOTTOM OF OVER-EXCAVATION. 4. FOLLOWING CONCRETE CURING, BACKFILL REMAINDER OF EXCAVATION W/ LOW PERMEABILITY COMPACTED STRUCTURAL FILL MEETING USCS DESIGNATION OF CL OR CH. BACKFILL SHOULD BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY PER ASTM

D-698 STANDARD PROCTOR 5. PROVIDE POSITIVE DRAINAGE AWAY FROM SINKHOLE REPAIR AREA BY OVERFILLING, IF

6. ALTERNATIVE METHODS OF REPAIR MAY BE DEVELOPED BY THE GEOTECHNICAL ENGINEER BASED ON THE SITE CONDITIONS.

UNFORESEEN EROSIVE CONDITIONS NOTES

- THE CONTRACTOR SHALL TAKE ACTION TO REMEDY SUCH CONDITIONS AND TO PREVENT DAMAGE TO ADJACENT PROPERTIES AS A RESULT OF INCREASED RUNOFF AND/OR SEDIMENT DISPLACEMENT. STOCKPILES OF WOOD CHIPS, HAY BALES, CRUSHED STONE AND OTHER MULCHES SHALL BE HELD IN READINESS TO DEAL IMMEDIATELY WITH EMERGENCY PROBLEMS.
- 2. THE CONTRACTOR IS ADVISED TO BECOME THOROUGHLY FAMILIAR WITH THE PROVISIONS OF APPENDIX 64, EROSION CONTROL RULES AND REGULATIONS, TITLE 25, PART 1, D.E.P., SUB-PART C, PROTECTION OF NATURAL RESOURCES, ARTICLE III, WATER RESOURCES, CHAPTER 102, EROSION CONTROL. 3. METHODS TO PROTECT EXISTING TREES AND SHRUBS SHALL BE TAKEN BY THE CONTRACTOR TO ELIMINATE UNNECESSARY DAMAGE.

NOI CHECKLIST NOTES:

- THE PROJECT WILL PRESERVE THE INTEGRITY OF STREAM CHANNELS AND MAINTAIN AND PROTECT PHYSICAL, BIOLOGICAL AND CHEMICAL QUALITIES OF THE RECEIVING STREAM BY USING INFILTRATION AND CAPTURE/REUSE BMPS. 2. TO PREVENT AN INCREASE IN THE RATE OF STORMWATÉR RUNOFF THE PROJECT WILL MEET OR EXCEED THE RUNOFF RATES REQUIRED BY THE
- ADOPTED ACT 167 PLAN FOR THE LITTLE LEHIGH CREEK. 3. TO MINIMIZE ANY INCREASE IN STORMWATER RUNOFF VOLUME THE PROJECT WILL UTILIZE INFILTRATION AND CAPTURE/REUSE BMPS.
- 4. TO MINIMIZE IMPERVIOUS AREAS, THE MINIMUM AMOUNT OF IMPERVIOUS IS BEING CONSTRUCTED FOR THE PROPOSED USE OF THE SITE.
- 5. TO PROTECT THE EXISTING DRAINAGE FEATURES AND EXISTING VEGETATION AND MINIMIZE LAND CLEARING AND GRADING, EARTH DISTURBANCE WILL ONLY BE DONE IN THE AREAS NECESSARY FOR CONSTRUCTION.
- 6. THE DURATION OF EARTH DISTURBANCE IS MINIMIZED BY EMPLOYING IMMEDIATE STABILIZATION PRACTICES PER THE SEQUENCE OF CONSTRUCTION. 7. SOIL COMPACTION IS MINIMIZED ON THE SITE BY LIMITING THE EXTENTS AND
- LIMITS OF EARTH DISTURBANCE. 8. THE EXTENT OF PAVED ROADWAYS, DRIVEWAYS AND ROOF AREAS PRESENT POTENTIAL THERMAL IMPACTS TO SURFACE WATERS, THEREFORE, EVAPOTRANSPIRATION THROUGH SPRAY IRRIGATION AND THE PROPOSED
- VOLUNTARY RIPARIAN FOREST BUFFER ARE PROPOSED TO LESSEN THE IMPACT. 9. THE E&SPC PLANS HAVE BEEN PLANNED AND DESIGNED TO BE CONSISTENT WITH THE POST-CONSTRUCTION STORMWATER MANAGEMENT PLANS, THEREFORE
- THIS PLAN PREVENTS INCREASED RUNOFF. 10. THERE ARE NO EXISTING NOR PROPOSED RIPARIAN FOREST BUFFERS RELATED TO THIS PROJECT. THEREFORE THERE ARE NO WAIVER REQUESTS, AREAS PROPOSED TO BE WAIVED OR RIPARIAN BUFFER OFFSETS. 11. POSITIVE RUNOFF IS PROVIDED AROUND BUILDING FOUNDATIONS; IMMEDIATE STABILIZATION IS SPECIFIED UPON COMPLETION OF EARTH DISTURBANCE

ACTIVITIES; A SINKHOLE REPAIR DETAIL HAS BEEN PROVIDED ON SHEET C-9.3,

DUE TO UNDERLYING CARBONATE GEOLOGY. 12. THE ENTIRE AREA SHOWN HEREON IS WITHIN A HQ WATERSHED, THERFORE THE BOUNDARIES OF THE WATERSHED CANNOT BE SHOWN.

POST CONSTRUCTION STORMWATER MANAGEMENT (PCSM) STANDARD NOTES:

UPON PERMANENT STABILIZATION OF THE EARTH DISTURBANCE ACTIVITY UNDER \\$102.22(a)(2) (RELATING TO PERMANENT STABILIZATION), AND INSTALLATION OF BMP'S IN ACCORDANCE WITH AN APPROVED PLAN PREPARED AND IMPLEMENTED IN ACCORDANCE WITH \$\$102.4 AND 102.8 (RELATING TO EROSION AND SEDIMENT CONTROL REQUIREMENTS; AND PCSM REQUIREMENTS), THE PERMITTEE OR CO-PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE DEPARTMENT OR CONSERVATION DISTRICT.

- (1) THE NOTICE OF TERMINATION MUST INCLUDE:
- (2) THE FACILITY NAME, ADDRESS AND LOCATION. (3) THE OPERATOR NAME AND ADDRESS.
- (4) THE PERMIT NUMBER. (5) THE REASON FOR PERMIT TERMINATION.
- 6) IDENTIFICATION OF THE PERSONS WHO HAVE AGREED TO AND WILL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP'S IN ACCORDANCE WITH \$102.8(m) AND PROOF OF

PCSM REPORTING AND RECORDKEEPING. THE PCSM PLAN, INSPECTION REPORTS AND MONITORING RECORDS SHALL BE AVAILABLE FOR REVIEW AND INSPECTION BY THE DEPARTMENT OF THE CONSERVATION DISTRICT. LICENSED PROFESSIONAL OVERSIGHT OF CRITICAL STAGES. A LICENSED PROFESSIONAL OR A DESIGNEE SHALL BE PRESENT ONSITE AND BE RESPONSIBLE DURING CRITICAL STAGES OF IMPLEMENTATION OF THE APPROVED PCSM PLAN. THE CRITICAL STAGES MAY INCLUDE THE INSTALLATION OF UNDERGROUND TREATMENT OR STORAGE BMP'S. STRUCTURALLY ENGINEERED BMP'S, OR OTHER BMP'S AS DEEMED APPROPRIATE BY THE DEPARTMENT OR THE CONSERVATION DISTRICT

FINAL CERTIFICATION. THE PERMITTEE SHALL INCLUDE WITH THE NOTICE OF TERMINATION "RECORD DRAWINGS" WITH A FINAL CERTIFICATION STATEMENT FROM A LICENSED PROFESSIONAL, WHICH READS AS FOLLOWS:

"I (NAME) DO HEREBY CERTIFY PURSUANT TO THE PENALTIES OF 18 PA.C.S.A. §4904 TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THAT THE ACCOMPANYING RECORD DRAWINGS ACCURATELY REFLECT THE AS-BUILT CONDITIONS, ARE TRUE AND CORRECT, AND ARE IN CONFORMANCE WITH CHAPTER 102 OF THE RULES AND REGULATIONS OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION AND THAT THE PROJECT SITE WAS CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PCSM PLAN, ALL APPROVED PLAN CHANGES AND ACCEPTED CONSTRUCTION PRACTICES."

(1) THE PERMITTEE SHALL RETAIN A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN. (2) THE PERMITTEE SHALL PROVIDE A COPY OF THE RECORD DRAWINGS AS A PART OF THE APPROVED PCSM PLAN TO THE PERSON IDENTIFIED IN THIS SECTION AS BEING RESPONSIBLE FOR THE LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMP'S.

UNDER §102.8(m)(2) AND CONDITIONS OF THE NPDES PERMIT, THE PCSM PLAN NEEDS TO TBE RECORDED IN THE LEHIGH COUNTY COURTHOUSE, WITHIN 45 DAYS OF PERMIT ISSUANCE. THE PROOF OF RECORDING CAN BE PROVEDED AT ANY TIME, UP UNTIL THE TIME OF FILING THE NOTICE OF TERMINATION.

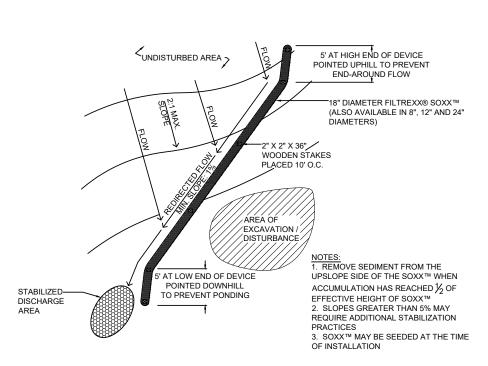
PCSM LONG TERM OPERATIONS AND MAINTENANCE REQUIREMENTS UNTIL THE PERMITTEE OR CO-PERMITTEE HAS RECEIVED WRITTEN APPROVAL OF A NOTICE OF TERMINATION, THE PERMITTEE OR CO-PERMITTEE WILL REMAIN RESPONSIBLE FOR COMPLIANCE WITH THE PERMIT TERMS AND CONDITIONS INCLUDING LONG-TERM OPERATION AND MAINTENANCE OF ALL PCSM BMP'S ON THE PROJECT SITE AND IS RESPONSIBLE FOR VIOLATIONS OCCURRING ON THE PROJECT SITE. THE DEPARTMENT OR CONSERVATION DISTRICT WILL CONDUCT A FINAL INSPECTION AND APPROVE OR DENY THE NOTICE OF TERMINATION WITH 30 DAYS.

THE PERMITTEE OR CO-PERMITTEE SHALL BE RESPONSIBLE FOR LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMP'S UNLESS A DIFFERENT PERSON IS IDENTIFIED IN THE NOTICE OF TERMINATION AND HAS AGREED TO LONG-TERM OPERATION AND MAINTENANCE OF PCSM BMP'S.

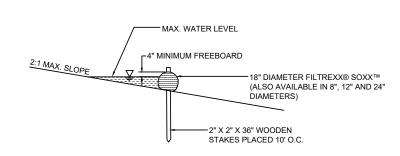
FOR ANY PROPERTY CONTAINING A PCSM BMP, THE PERMITTEE OR CO-PERMITTEE SHALL RECORD AN INSTRUMENT WITH THE RECORDER OF DEEDS WHICH WILL ASSURE DISCLOSURE OF THE PCSM BMP AND THE RELATED OBLIGATIONS IN THE ORDINARY COURSE OF A TITLE SEARCH OF THE SUBJECT PROPERTY. THE RECORDED INSTRUMENT MUST IDENTIFY THE PCSM BMP, PROVIDE FOR NECESSARY ACCESS RELATED TO LONG-TERM OPERATION AND MAINTENANCE FOR PCSM BMP'S AND PROVED NOTICE THAT THE RESPONSIBILITY FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP IS A COVENANT THAT RUNS WITH THE LAND THAT IS BINDING UPON AND ENFORCEABLE BY SUBSEQUENT GRANTEES, AND PROVIDE PROOF OF FILING WITH THE NOTICE OF TERMINATION UNDER \$102.7(b)(5) (RELATING TO PERMIT

THE PERSON RESPONSIBLE FOR PERFORMING LONG-TERM OPERATION AND MAINTENANCE MAY ENTER INTO AN AGREEMENT WITH ANOTHER PERSON INCLUDING A CONSERVATION DISTRICT, NONPROFIT ORGANIZATION, MUNICIPALITY, AUTHORITY, PRIVATE CORPORATION OR OTHER PERSON, TO TRANSFER THE RESPONSIBILITY FOR PCSM BMP'S OR TO PERFORM LONG-TERM OPERATION AND MAINTENANCE AND PROVIDE NOTICE THEREOF TO THE DEPARTMENT.

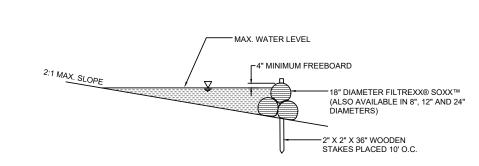
A PERMITTEE OR CO-PERMITTEE THAT FAILS TO TRANSFER LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP OR OTHERWISE FAILS TO COMPLY WITH THIS REQUIREMENT SHALL REMAIN JOINTLY AND SEVERALLY RESPONSIBLE WITH THE LANDOWNER FOR LONG-TERM OPERATION AND MAINTENANCE OF THE PCSM BMP'S LOCATED ON THE PROPERTY.



FILTREXX® RUNOFF DIVERSION



SINGLE INSTALLATION SECTION

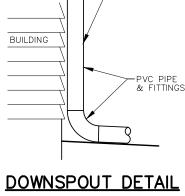


PYRAMID INSTALLATION SECTION

FILTREXX® RUNOFF DIVERSION SECTIONS

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COMMENCEMENT OF CONSTRUCTION. THE OWNER MUST BE NOTIFIED OF ANY

DISCREPANCIES BEFORE PROCEEDING WITH THE WORK



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LTS HOMES, LLC 3 POINT GARDEN ROAD TOWNSHIP OF SMITHFIELD MONROE COUNTY, PENNSYLVANIA

LTSI 2301 06-28-24

