

NOTES:

1. THE PROPERTY DOES NOT LIE WITHIN THE FEMA FLOODPLAIN.
2. WETLANDS HAVE BEEN DELINEATED ON THE PLAN. A 50-FOOT BUFFER IN ACCORDANCE WITH THE MIDDLE SMITHFIELD TOWNSHIP STORMWATER MANAGEMENT ORDINANCE HAS BEEN ALLOCATED ON THE PLAN. NO WETLANDS ARE LOCATED WITHIN THE PROJECT AREA. NO WETLANDS WILL BE DISTURBED.
3. THERE ARE NO HISTORIC STRUCTURES ON THE SITE.
4. STORMWATER RUNOFF FROM THE SITE DISCHARGES TO THE INLETS LOCATED AT THE INTERSECTION OF BIG RIDGE DRIVE AND S.R. 0209. THE INLET/PIPE SYSTEM DISCHARGES TO AN EXISTING SWALE LOCATED ON THE OTHER SIDE OF S.R. 0209, WHICH DISCHARGES TO A TRIBUTARY TO MARSHALLS CREEK, WHICH IS DESIGNATED AS HQ-CWF, PER CHAPTED 93 CLASSIFICATIONS. THE SITE IS LOCATED WITHIN THE BROHEADS/MCMICHAELS CREEK ACT 167.

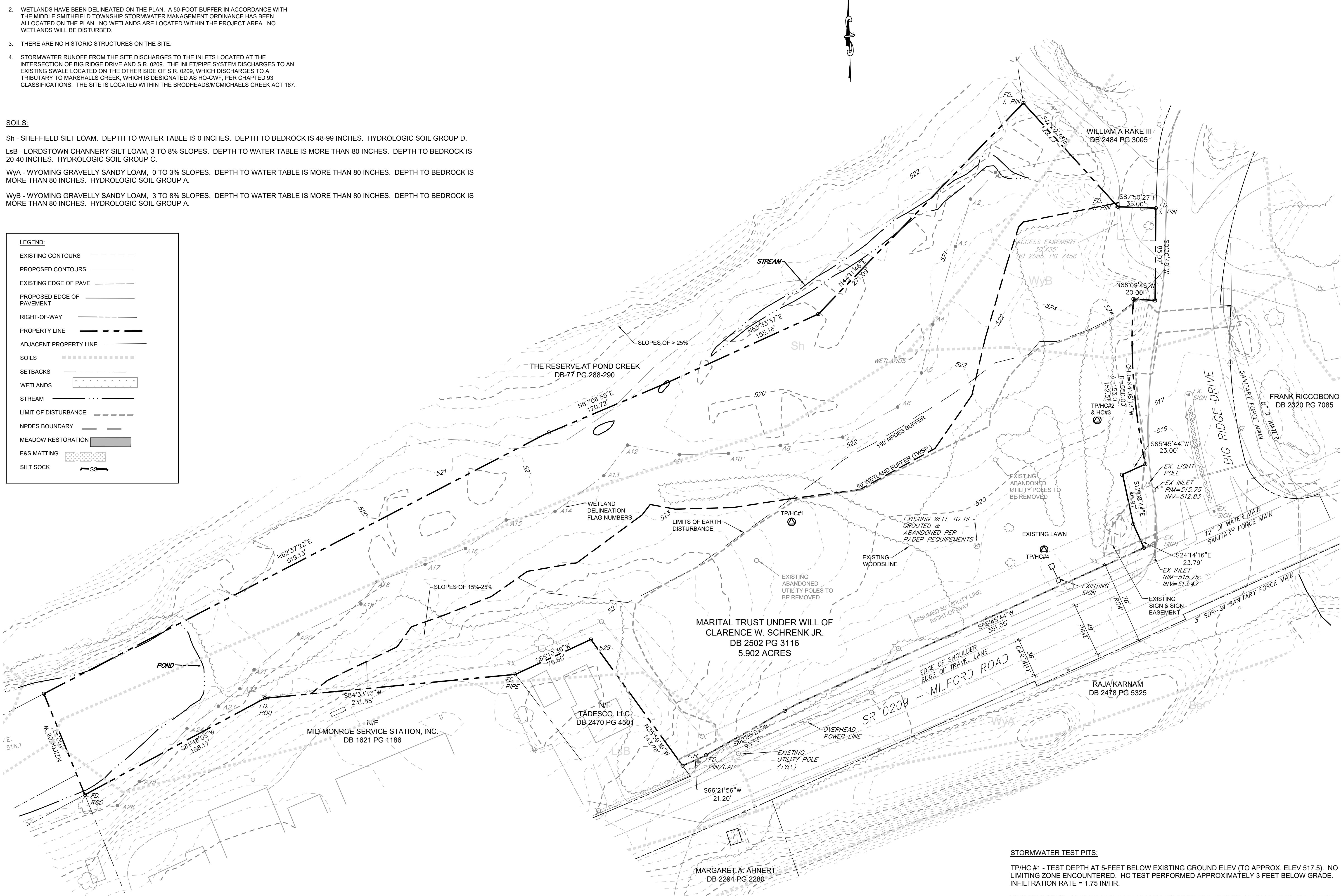
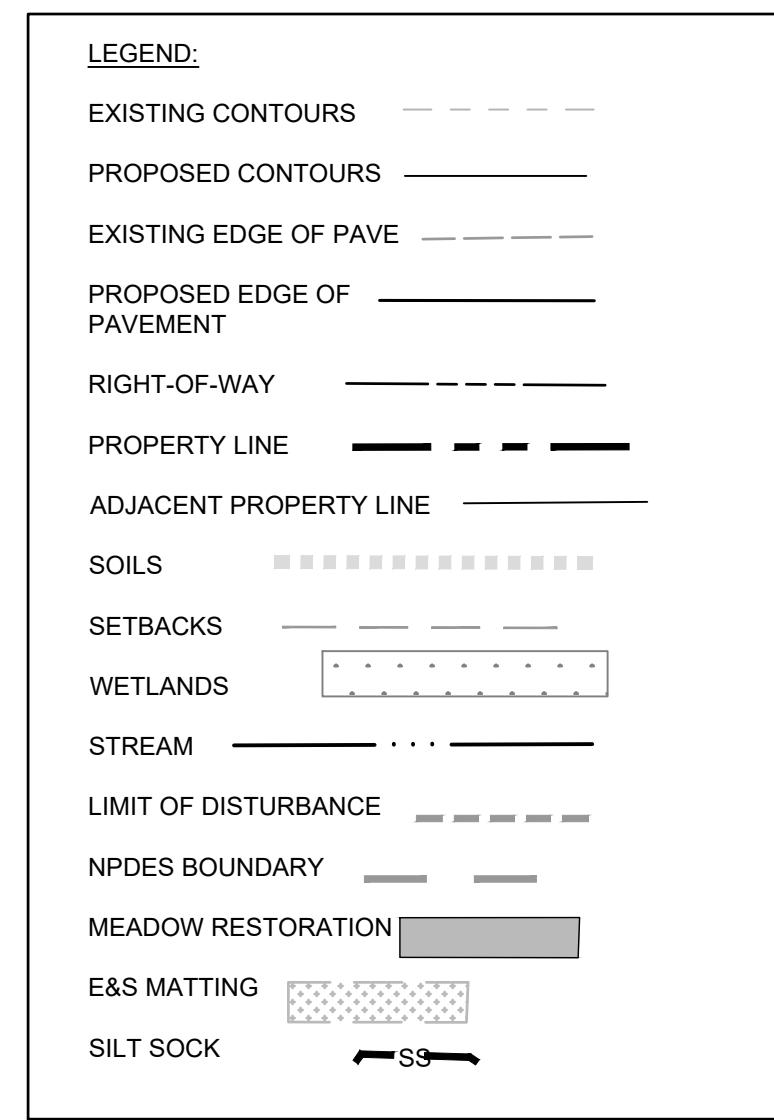
SOILS:

Sh - SHEFFIELD SILT LOAM. DEPTH TO WATER TABLE IS 0 INCHES. DEPTH TO BEDROCK IS 48-99 INCHES. HYDROLOGIC SOIL GROUP D.

LsB - LORDSTOWN CHANNERY SILT LOAM, 3 TO 8% SLOPES. DEPTH TO WATER TABLE IS MORE THAN 80 INCHES. DEPTH TO BEDROCK IS 20-40 INCHES. HYDROLOGIC SOIL GROUP C.

Wya - WYOMING GRAVELLY SANDY LOAM, 0 TO 3% SLOPES. DEPTH TO WATER TABLE IS MORE THAN 80 INCHES. DEPTH TO BEDROCK IS MORE THAN 80 INCHES. HYDROLOGIC SOIL GROUP A.

WyB - WYOMING GRAVELLY SANDY LOAM, 3 TO 8% SLOPES. DEPTH TO WATER TABLE IS MORE THAN 80 INCHES. DEPTH TO BEDROCK IS MORE THAN 80 INCHES. HYDROLOGIC SOIL GROUP A.

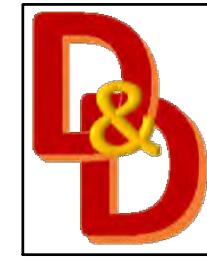


STORMWATER TEST PITS:

TP/HC #1 - TEST DEPTH AT 5-FEET BELOW EXISTING GROUND ELEV (TO APPROX. ELEV 517.5). NO LIMITING ZONE ENCOUNTERED. HC TEST PERFORMED APPROXIMATELY 3 FEET BELOW GRADE. INFILTRATION RATE = 1.75 IN/HR.

TP/HC #2 & HC #3 - TEST DEPTH AT 5-FEET BELOW EXISTING GROUND ELEV (TO APPROX. ELEV 516.0). NO LIMITING ZONE ENCOUNTERED. HC TEST PERFORMED AT APPROXIMATELY 1 FEET & 2 FEET BELOW GRADE. INFILTRATION RATE = 4.25 IN/HR & 3.75 IN/HR (#2 & #3 RESPECTIVELY).

TP/HC #4 - TEST DEPTH AT 5-FEET BELOW EXISTING GROUND ELEV (TO APPROX. ELEV 514.0). NO LIMITING ZONE ENCOUNTERED. HC TEST PERFORMED AT GRADE. INFILTRATION RATE = 6 IN/HR.



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ENGINEERING
&
GENERAL
CONSTRUCTION

548 SKYHAWK TRAIL
STROUDSBURG, PA 18360
PHONE: (570)236-7058
DEANNASCHMOYER@YAHOO.COM

PROJECT NO.

DATE
1/4/2021

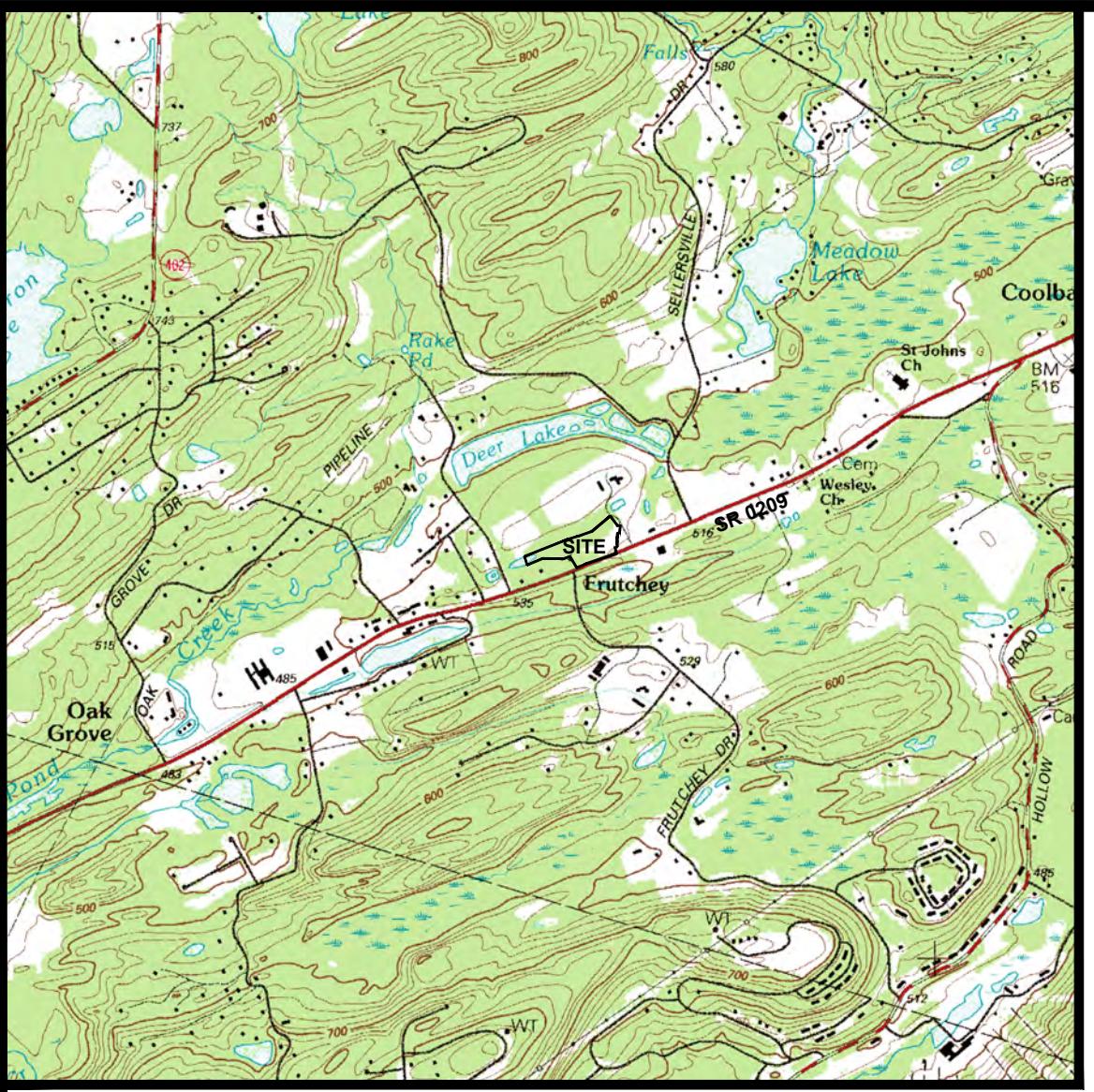


REVISIONS	NO.	DATE	DESCRIPTION
	1	3/15/2021	PER TOWNSHIP ENGINEER'S MCCD REVIEW
	2	6/17/2021	PER TOWNSHIP ENGINEER'S & MCCD REVIEW

EXISTING FEATURES PLAN
FOR
WINDS WEST, INC.
MIDDLE SMITHFIELD TOWNSHIP, MONROE COUNTY, PA

DRAWING NO.

2



NOTES:

- WETLANDS HAVE BEEN DELINATEATED AND SHOWN ON THE PLANS. NO DISTURBANCE IS PROPOSED TO THE WETLANDS. THE PROPERTY IS NOT LOCATED WITHIN A FEMA FLOODPLAIN.
- THE DISTURBED ACREAGE DRAINS TO A STORM CONVEYANCE SYSTEM WHICH DISCHARGES TO A TRIBUTARY TO MARSHALLS CREEK (HQ-CWF).
- NEW IMPERVIOUS AREA PROPOSED FOR THE BUILDING FOOTPRINT ONLY. PERMEABLE PAVEMENT AND WALKWAYS PROPOSED TO REDUCE IMPERVIOUSNESS. WALKWAYS TO BE PERMEABLE CONCRETE OR PAVERS.
- THE PLAN MAXIMIZES THE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION. LIMITED EARTH DISTURBANCE AND CLEARING OF WOODS IS PROPOSED. LIMITS OF DISTURBANCE TO BE MARKED OUT IN THE FIELD AND PROTECTED WITH ORANGE CONSTRUCTION FENCING, IF NEEDED.
- MEADOW RESTORATION WILL BE PROVIDED AFTER FINAL STABILIZATION AS AN ADDITIONAL MEASURE TO MINIMIZE CHANGES IN STORMWATER RUNOFF.
- TREE PLANTING TO BE PROVIDED AS SHOWN ON THE PLANS. REFER TO DETAILS FOR PLANTING SPECIFICATIONS.
- FINAL STABILIZATION MEASURES TO INCLUDE AREAS OF LANDSCAPE RESTORATION AREAS (I.E. MEADOW RESTORATION AND TREE PLANTING).

APPLICANT'S AUTHORIZATION & ACKNOWLEDGEMENT:

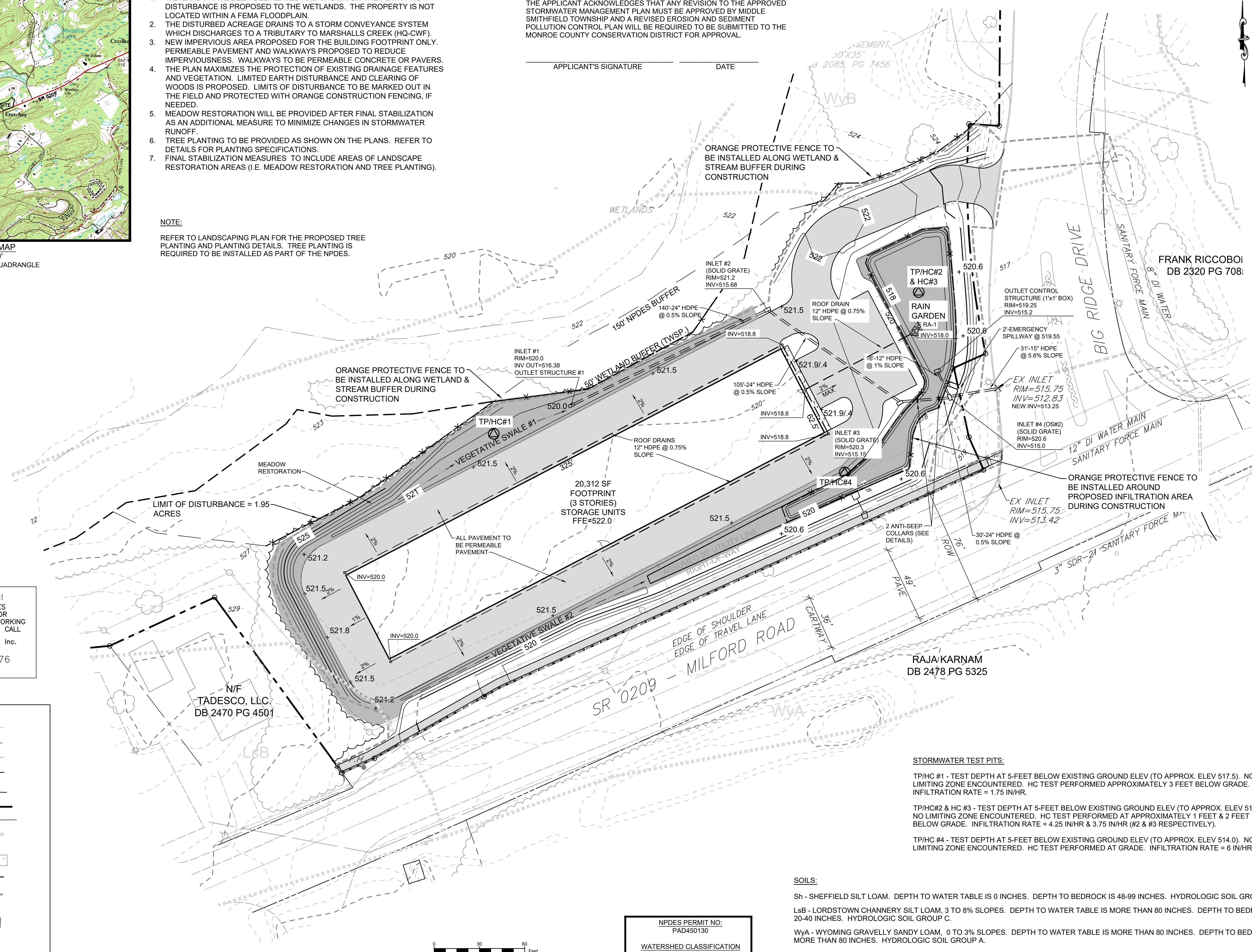
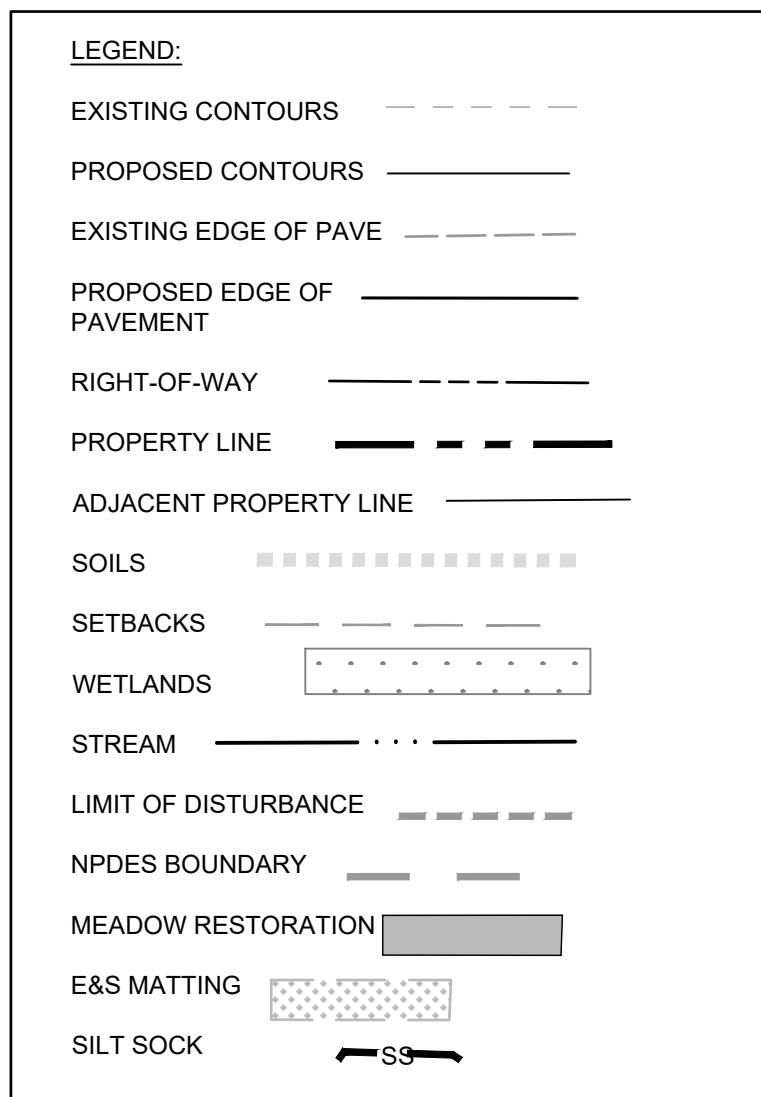
THE APPLICANT ACKNOWLEDGES THAT ANY REVISION TO THE APPROVED STORMWATER MANAGEMENT PLAN MUST BE APPROVED BY MIDDLE SMITHFIELD TOWNSHIP AND A REVISED EROSION AND SEDIMENT POLLUTION CONTROL PLAN WILL BE REQUIRED TO BE SUBMITTED TO THE MONROE COUNTY CONSERVATION DISTRICT FOR APPROVAL.

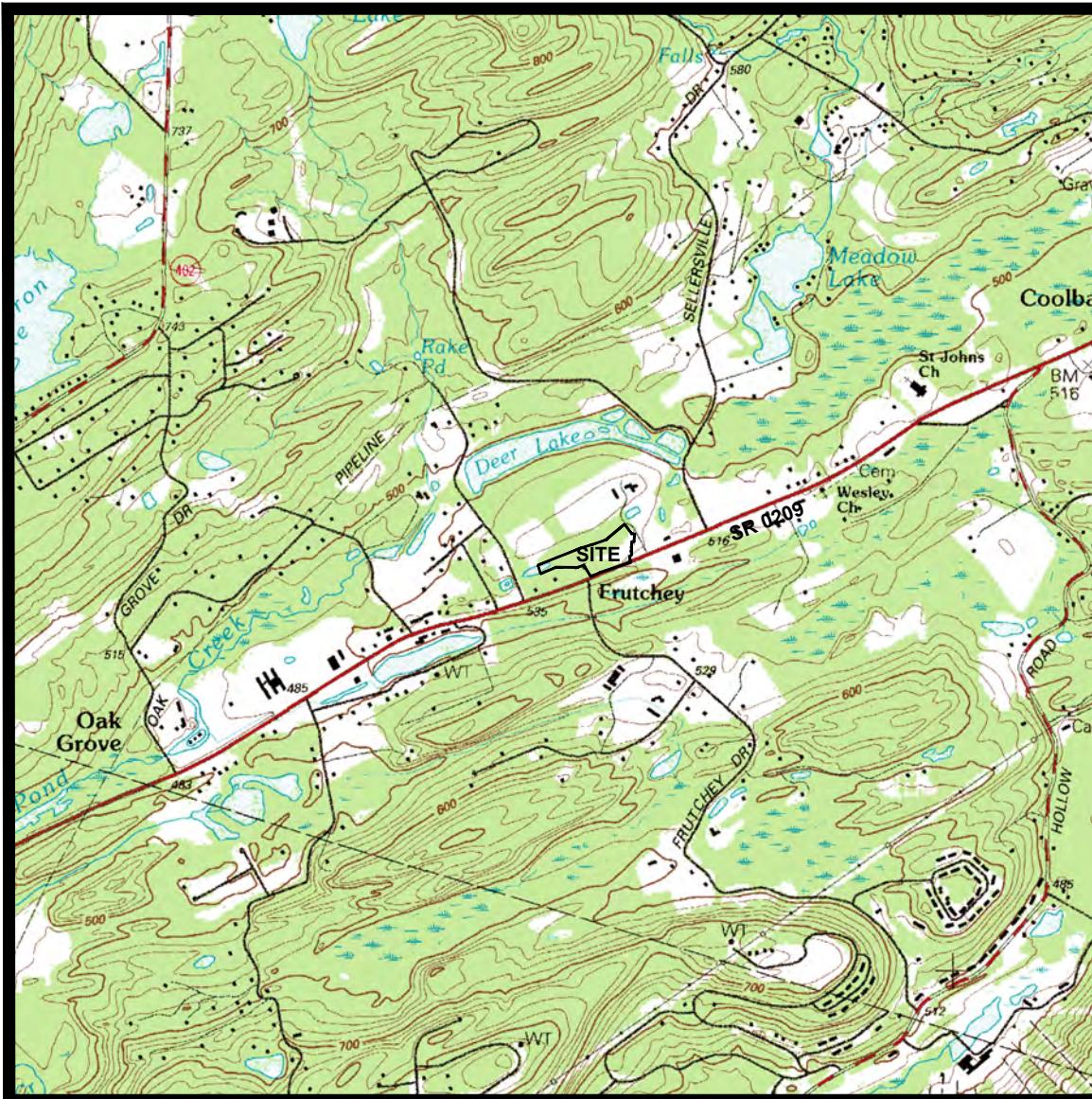
APPLICANT'S SIGNATURE _____ DATE _____

NOTE:

REFER TO LANDSCAPING PLAN FOR THE PROPOSED TREE PLANTING AND PLANTING DETAILS. TREE PLANTING IS REQUIRED TO BE INSTALLED AS PART OF THE NPDES.

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776





LOCATION MAP
1" = 200'
BUSHKILL USGS QUADRANGLE

E&SPC CONSTRUCTION NOTE:

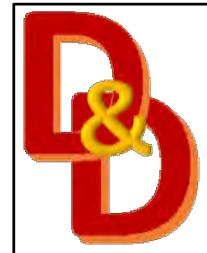
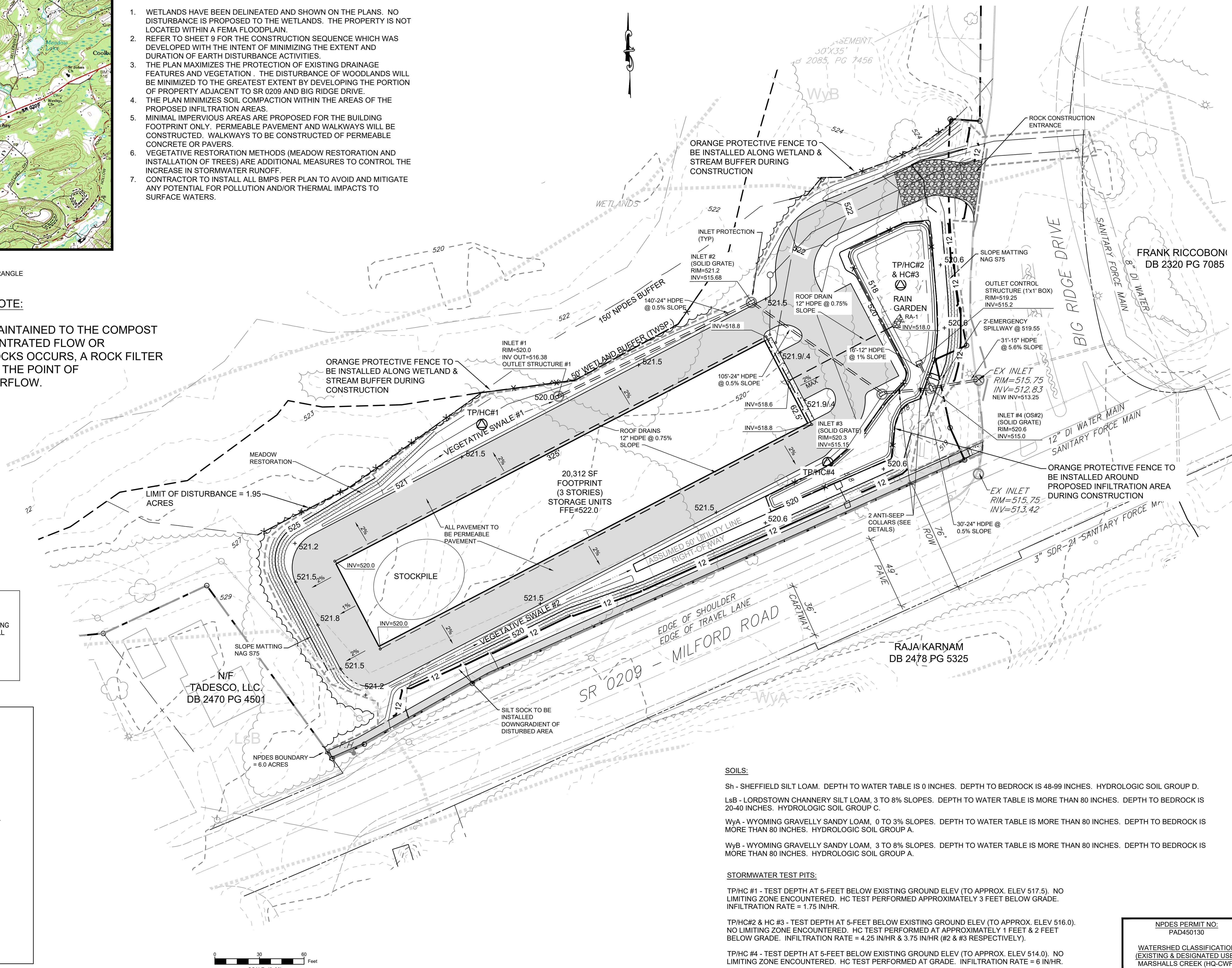
SHEET FLOW SHALL BE MAINTAINED TO THE COMPOST FILTER SOCKS. IF CONCENTRATED FLOW OR OVERTOPPING OF THE SOCKS OCCURS, A ROCK FILTER SHOULD BE PROVIDED AT THE POINT OF CONCENTRATION OR OVERFLOW.

CALL BEFORE YOU DIG!
PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR
CONSTRUCTION PHASE AND 10 WORKING
DAYS IN DESIGN STAGE - STOP CALL
Pennsylvania One Call System, Inc.
1-800-242-1776

LEGEND:	
EXISTING CONTOURS	-----
PROPOSED CONTOURS	_____
EXISTING EDGE OF PAVE	-----
PROPOSED EDGE OF PAVE	-----
RIGHT-OF-WAY	-----
PROPERTY LINE	-----
ADJACENT PROPERTY LINE	-----
SOILS
SETBACKS	-----
WETLANDS
STREAM	-----
LIMIT OF DISTURBANCE	-----
NPDES BOUNDARY	-----
MEADOW RESTORATION	██████████
E&S MATTING	██████████
SILT SOCK	███

NOTES:

1. WETLANDS HAVE BEEN DELINEATED AND SHOWN ON THE PLANS. NO DISTURBANCE IS PROPOSED TO THE WETLANDS. THE PROPERTY IS NOT LOCATED WITHIN A FEMA FLOODPLAIN.
2. REFER TO SHEET 9 FOR THE CONSTRUCTION SEQUENCE WHICH WAS DEVELOPED WITH THE INTENT OF MINIMIZING THE EXTENT AND DURATION OF EARTH DISTURBANCE ACTIVITIES.
3. THE PLAN MAXIMIZES THE PROTECTION OF EXISTING DRAINAGE FEATURES AND VEGETATION. THE DISTURBANCE OF WOODLANDS WILL BE MINIMIZED TO THE GREATEST EXTENT BY DEVELOPING THE PORTION OF PROPERTY ADJACENT TO SR 0209 AND BIG RIDGE DRIVE.
4. THE PLAN MINIMIZES SOIL COMPACTION WITHIN THE AREAS OF THE PROPOSED INFILTRATION AREAS.
5. MINIMAL IMPERVIOUS AREAS ARE PROPOSED FOR THE BUILDING FOOTPRINT ONLY. PERMEABLE PAVEMENT AND WALKWAYS WILL BE CONSTRUCTED. WALKWAYS TO BE CONSTRUCTED OF PERMEABLE CONCRETE OR PAVERS.
6. VEGETATIVE RESTORATION METHODS (MEADOW RESTORATION AND INSTALLATION OF TREES) ARE ADDITIONAL MEASURES TO CONTROL THE INCREASE IN STORMWATER RUNOFF.
7. CONTRACTOR TO INSTALL ALL BMPs PER PLAN TO AVOID AND MITIGATE ANY POTENTIAL FOR POLLUTION AND/OR THERMAL IMPACTS TO SURFACE WATERS.



**D&D
ENGINEERING
&
GENERAL
CONSTRUCTION**

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STROUDSBURG, PA 18360
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DEANNASCHMOYER@YAHOO.COM

PROJECT NO.

DATE
1/4/2021



REVISIONS	NO.	DATE	DESCRIPTION
	1	3/15/2021	PER TOWNSHIP ENGINEERS & MCOD REVIEW
	2	6/7/2021	PER TOWNSHIP ENGINEERS & MCOD REVIEW

**E&SPC PLAN
FOR
WINDS WEST, INC.
SELF-STORAGE UNITS
MIDDLE SMITHFIELD TOWNSHIP, MONROE COUNTY, PA**

GENERAL NOTES:

- 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, SIGNED 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 AND/OR OPERATOR SHALL INVITE ALL CONTRACTORS, THE LANDOWNER, APPROPRIATE MUNICIPAL OFFICIALS, THE E&S PLAN PREPARER, THE LICENSED PROFESSIONAL RESPONSIBLE FOR OVERSIGHT 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 INTO AN AREA PREVIOUSLY UNMARKED, DEANNA SCHIMMAYER ONE CALL SYSTEM INC. SHALL BE NOTIFIED AT 1-800-242-1776 FOR THE LOCATION OF EXISTING UNMARKED E&S MAPS.
- 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 NOT 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 DEDICATED BOUNDARIES SHOWN ON THE 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 MAP(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 THE MANNER SHOWN ON THE PLAN DRAWINGS. STOCKPILE HEIGHTS SHALL NOT EXCEED 35 FEET. STOCKPILE SLOPES SHALL BE 2H:1V OR FLATTER.
- IMMEDIATELY UPON DISCOVERING UNFORESEEN CIRCUMSTANCES POSING THE POTENTIAL FOR ACCELERATED EROSION AND/OR SEDIMENT POLLUTION, THE OPERATOR SHALL IMPLEMENT APPROPRIATE BEST MANAGEMENT PRACTICES TO MINIMIZE THE POTENTIAL FOR EROSION AND SEDIMENT POLLUTION AND NOTIFY THE LOCAL CONSERVATION DISTRICT AND/OR THE REGIONAL OFFICE OF THE DEPARTMENT.
- ALL BUILDING MATERIALS AND WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S BUILDING MATERIALS MANAGEMENT REGULATIONS AT 25 PA. CODE 280.1 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.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ANY MATERIAL BROUGHT ON SITE IS CLEAN FILL. FORM 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.
- ALL PUMPING OF WATER FROM ANY WORK AREA SHALL BE DONE ACCORDING TO THE PROCEDURE DESCRIBED IN THIS PLAN OVER UNDISTURBED VEGETATED AREAS.
- UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT BMPS SHALL BE MAINTAINED PROPERLY. MAINTENANCE SHOULD INCLUDE INSPECTION OF EROSION AND SEDIMENT CONTROL FEATURES DURING AND ON A WEEKLY BASIS. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEAN OUT, REPAIR, REPLACEMENT, REGRADING, RESEEDING, REMULCHING AND RE-NETTING MUST BE PERFORMED IMMEDIATELY IF THE E&S BMPS FAIL TO PERFORM AS EXPECTED. REPLACEMENT BMPS, OR MODIFICATIONS OF THOSE INSTALLED WILL BE REQUIRED.
- A LOG SHOWING DATES THAT E&S BMPS WERE INSPECTED AS WELL AS ANY DEFICIENCIES FOUND AND THE DATE THEY WERE CORRECTED SHALL BE MAINTAINED ON THE SITE AND BE MADE AVAILABLE TO REGULATORY AGENCY OFFICIALS AT THE TIME OF INSPECTION.
- SEDIMENT TRACKED ON ANY PUBLIC ROADWAY OR SIDEWALK SHALL BE RETURNED TO THE CONSTRUCTION SITE BY THE END OF EACH WORK DAY AND DISPOSED IN THE MANNER DESCRIBED IN THIS PLAN. IN NO CASE SHALL THE SEDIMENT BE WASHED, SHOVED, OR SWEEP INTO ANY ROADSIDE DITCH, STORM SEWER, OR SURFACE WATER.
- ALL SEDIMENT REMOVED FROM BMPS SHALL BE DISPOSED OF IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS.
- AREAS WHICH ARE TO BE TOPSOILED SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 3 TO 5 INCHES AND 6 TO 12 INCHES ON COMPACTED SOILS PRIOR TO PLACEMENT OF TOPSOIL. AREAS TO BE VEGETATED SHALL HAVE TOPSOIL IN PLACE PRIOR TO SEEDING AND MULCHING. REFER TO LANDSCAPE PLAN FOR TOPSOIL PLACEMENT DEPTHS.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPERY, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS. FILL INTENDED TO SUPPORT BUILDINGS, STRUCTURES AND CONDUITS, ETC. SHALL BE COMPACTED IN ACCORDANCE WITH LOCAL REQUIREMENTS OR CODES.
- ALL EARTHEN FILLS SHALL BE PLACED IN COMPACTED LAYERS NOT TO EXCEED 9 INCHES IN THICKNESS.
- FILL MATERIALS SHALL BE FREE OF FROZEN PARTICLES, BRUSH, ROOTS, SOD, OR OTHER FOREIGN OR CONTAMINANT MATERIALS THAT WOULD INTERFERE WITH OR PREVENT CONSTRUCTION OF SATISFACTORY FILLS.
- FROZEN MATERIALS OR SOFT, MUCKY, OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON SATURATED OR FROZEN SURFACES.
- SEEPS OR SPRINGS ENCOUNTERED DURING CONSTRUCTION SHALL BE HANDLED IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SUBSURFACE DRAIN OR OTHER APPROVED METHOD.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY UPON REACHING FINISHED GRADE. CUT SLOPES IN COMPETENT BEDROCK AND ROCK FILLS NEED NOT BE VEGETATED. SEDED 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.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE IN ANY AREA OR SUBAREA 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 WITHIN 1 YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN 1 YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- 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 MOVEMENTS.
- E&S BMPS SHALL REMAIN FUNCTIONAL AS SUCH UNTIL ALL AREAS TRIBUTARY TO THEM ARE PERMANENTLY STABILIZED OR UNTIL THEY ARE REPLACED BY ANOTHER BMP APPROVED BY THE LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- 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 FOR AN INSPECTION PRIOR TO REMOVAL/CONVERSION OF THE E&S BMPS.
- AFTER FINAL SITE STABILIZATION HAS BEEN ACHIEVED, TEMPORARY EROSION AND SEDIMENT BMPS MUST BE REMOVED OR CONVERTED TO PERMANENT POST CONSTRUCTION STORMWATER MANAGEMENT BMPS. 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.
- 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.
- FAILING TO CORRECTLY INSTALL E&S BMPS, FAILURE TO PREVENT SEDIMENT-LADEN RUNOFF FROM LEAVING THE CONSTRUCTION SITE, OR FAILURE TO TAKE IMMEDIATE CORRECTIVE ACTION TO RESOLVE FAILURE OF E&S BMPS MAY RESULT IN ADMINISTRATIVE, CIVIL, AND/OR 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 PER DAY IN CIVIL PENALTIES, UP TO \$10,000 IN SUMMARY CRIMINAL PENALTIES, AND UP TO \$25,000 IN MISDEMEANOR CRIMINAL PENALTIES FOR EACH VIOLATION.
- CONCRETE WASH WATER SHALL BE HANDLED IN THE MANNER DESCRIBED ON THE PLAN DRAWINGS. IN NO CASE SHALL IT BE ALLOWED TO ENTER ANY SURFACE WATERS OR GROUNDWATER SYSTEMS.
- ALL CHANNELS SHALL BE KEPT FREE OF OBSTRUCTIONS INCLUDING BUT NOT LIMITED TO FILL, ROCKS, LEAVES, WOODY DEBRIS, ACCUMULATED SEDIMENT, EXCESS VEGETATION, AND CONSTRUCTION MATERIAL/WASTES.
- UNDERGROUND UTILITIES CUTTING THROUGH ANY ACTIVE CHANNEL SHALL IMMEDIATELY BACKFILLED AND THE CHANNEL RESTORED TO ITS ORIGINAL CROSS-SECTION AND PROTECTIVE LINING. ANY BASE FLOW WITHIN THE CHANNEL SHALL BE DIVERTED PAST THE WORK AREA IN THE MANNER DESCRIBED IN THIS PLAN UNTIL SUCH RESTORATION IS COMPLETE.
- CHANNELS HAVING RIPRAP, RENO MATTRESS, OR GABION LININGS MUST BE SUFFICIENTLY OVER-EXCAVATED SO THAT THE DESIGN DIMENSIONS WILL BE PROVIDED AFTER PLACEMENT OF THE PROTECTIVE LINING.
- SEDIMENT BASINS AND/OR TRAPS SHALL BE KEPT FREE OF ALL CONSTRUCTION WASTE, WASH WATER, AND OTHER DEBRIS HAVING POTENTIAL TO CLOG THE BASIN/TRAP OUTLET STRUCTURES AND/OR POLLUTE THE SURFACE WATERS.
- ANY DAMAGE THAT OCCURS IN WHOLE OR IN PART AS A RESULT OF BASIN OR TRAP DISCHARGE SHALL BE IMMEDIATELY REPAIRED BY THE PERMITTEE IN A PERMANENT MANNER SATISFACTORY TO THE MUNICIPALITY, LOCAL CONSERVATION DISTRICT, AND THE OWNER OF THE DAMAGED PROPERTY.
- UPON REQUEST, THE APPLICANT OR HIS CONTRACTOR SHALL PROVIDE AN AS-BUILT (RECORD DRAWING) FOR ANY SEDIMENT BASIN OR TRAP TO THE MUNICIPAL INSPECTOR, LOCAL CONSERVATION DISTRICT OR THE DEPARTMENT.
- EROSION CONTROL BLANKETING SHALL BE INSTALLED ON ALL SLOPES 3H:1V OR STEEPER WITHIN 50 FEET OF A SURFACE WATER AND ON ALL OTHER DISTURBED AREAS SPECIFIED ON THE PLAN MAPS AND/OR DETAIL SHEETS.

E & S MAINTENANCE & INSPECTION NOTES:

EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPS) MUST BE CONSTRUCTED, STABILIZED, AND FUNCTIONAL BEFORE SITE DISTURBANCE WITHIN THE TRIBUTARY AREAS OF THOSE BMPS. UNTIL THE SITE IS STABILIZED, ALL EROSION AND SEDIMENT CONTROL BMPs MUST BE MAINTAINED PROPERLY. ALL EROSION AND SEDIMENT CONTROL BMPs SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. ALL PREVENTATIVE AND REMEDIAL MAINTENANCE WORK, INCLUDING CLEANOUT, REPAIR, REPLACEMENT, RE-GRADING, RE-SEEDING, RE-MULCHING, AND RE-NETTING MUST BE PERFORMED IMMEDIATELY. A WRITTEN REPORT DOCUMENTING THE INSPECTIONS AND REPAIRS MADE TO THE EROSION AND SEDIMENT CONTROL BMPs MUST BE KEPT BY THE PERSON RESPONSIBLE FOR BMP MAINTENANCE.

ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO ANY ROADWAY OR ANY PUBLIC RIGHT-OF-WAY SHALL IMMEDIATELY BE REMOVED. WASHING SEDIMENT FROM THE PAVEMENT IS PROHIBITED.

ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. DRAIN SPACE UNDER WASH RACK SHALL BE KEPT OPEN AT ALL TIMES. DAMAGE TO THE WASH RACK SHALL BE REPAIRED PRIOR TO FURTHER USE OF THE RACK.

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. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES HALF THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED OF IN A LAWFUL MANNER.

INLET FILTER BAGS SHOULD BE CLEANED AND/OR REPLACED WHEN THE BAG IS 1/2 FULL. DAMAGED FILTER BAGS SHALL BE REPLACED.

SEDIMENT BASIN SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT HAS REACHED THE CLEAN OUT ELEVATION ON THE STAKE AND THE BASIN RESTORED TO ITS ORIGINAL DIMENSIONS.

CHANNELS SHALL BE CLEANED WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. REMOVE SEDIMENT DEPOSITS. DAMAGED LINING SHALL BE REPAIRED OR REPLACED.

ACCUMULATED SEDIMENT MAY BE INCORPORATED INTO THE FILL OR REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER (AN APPROVED EROSION AND SEDIMENT CONTROL PLAN WILL BE REQUIRED FOR ANY OFFSITE DISPOSAL AREA).

SHOULD UNFORESEEN EROSION CONDITIONS DEVELOP, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IMMEDIATELY CORRECT THE PROBLEM.

OWNER IS RESPONSIBLE FOR MAINTENANCE OF PERMANENT CONTROLS.

THE CONTRACTOR SHALL, PERIODICALLY OR AS DIRECTED DURING THE PROGRESS OF THE WORK, REMOVE AND LEGALLY DISPOSE OF ALL SURPLUS MATERIAL AND DEBRIS AND KEEP THE PROJECT AREA AND PUBLIC RIGHTS-OF-WAY REASONABLY CLEAR. SURPLUS OR DEMOLITION MATERIALS SHALL BE RECYCLED DURING THE COURSE OF THE WORK, WHENEVER PRACTICAL AND APPROVED BY THE DESIGN ENGINEER.

UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY CONSTRUCTION FACILITIES, DEBRIS AND UNUSED MATERIALS, PROVIDED FOR THE WORK, AND PUT ALL OF THE SITES OF THE WORK AND PUBLIC RIGHTS-OF-WAY IN A NEAT AND CLEAN CONDITION. TRASH BURNING ON THE SITE OF THE WORK WILL NOT BE PERMITTED. OFF-SITE DISPOSAL OF SOIL OR ROCK WILL REQUIRE AN EROSION AND SEDIMENT CONTROL PLAN SUBMISSION, BY THE CONTRACTOR, TO THE APPROPRIATE CONSERVATION DISTRICT.

REFER TO THE INDIVIDUAL MAINTENANCE AND INSPECTION NOTES FOR EACH BMP WITHIN THE DETAILED SPECIFICATIONS ON SHEETS 9-11.

A LOG BOOK OF ALL MAINTENANCE ACTIVITIES SHALL BE KEPT ON SITE FOR ALL BMPs AT ALL TIMES TO ENSURE COMPLIANCE WITH THE E&S PLANS THAT INCLUDES AT A MINIMUM INSPECTION DATES, OBSERVATIONS, MAINTENANCE ACTIVITIES, AND REPAIRS.

MAINTENANCE PROGRAM:

THE CONTRACTOR IS REQUIRED TO INCORPORATE ALL TEMPORARY AND PERMANENT CONTROL MEASURES AND FACILITIES INDICATED ON THE APPROVED PLAN SET, INTO THE PROJECT AT THE EARLIEST PRACTICABLE TIME. THE CONTRACTOR IS RESPONSIBLE FOR APPLYING, CLEANING, AND MAINTAINING ALL CONTROL FEATURES DURING CONSTRUCTION. APPROPRIATE EROSION AND SEDIMENT POLLUTION CONTROL FEATURES SHALL BE APPLIED TO SECTIONS SUCH AS BORROW PITS AND MATERIAL STORAGE AREAS UNFORESEEN PRIOR TO CONSTRUCTION. PERMANENT EROSION CONTROL FACILITIES WILL BE MAINTAINED BY THE OWNER.

THE TEMPORARY FACILITIES FOR EROSION AND SEDIMENT POLLUTION CONTROL SHALL BE INSPECTED A MINIMUM OF ONCE PER WEEK AND AFTER EVERY RAINFALL EVENT. SEDIMENT SHALL BE REMOVED WHEN ACCUMULATIONS REACH 1/2 THE ABOVE GROUND HEIGHT OF COMPOST FILTER SOCKS AND 1/3 THE ABOVE GROUND HEIGHT OF THE ROCK FILTERS. ANY COMPOST FILTER SOCK SECTION THAT HAS BEEN UNDERMINED OR OVERTOPPED MUST BE IMMEDIATELY REPLACED WITH A ROCK FILTER. AS CONSTRUCTION PROGRESSES AND DISTURBED AREAS HAVE BEEN STABILIZED, TEMPORARY EROSION CONTROL STRUCTURES ARE TO BE CLEANED AND REMOVED.

RESPONSIBILITIES FOR FILL MATERIALS:

THE IMPLEMENTATION OF FILL MATERIALS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. UPON FINAL SITE ACCEPTANCE, THE OWNER SHALL BE RESPONSIBLE FOR FILL MATERIALS.

OWNER: WINDS WEST, INC.
P.O. BOX 1672
EAGLE, CO 81631
(570) 269-3690

CLEAN FILL:

* THE CONTRACTOR OF THE SITE WILL PERFORM ENVIRONMENTAL DUE DILIGENCE ON ALL IMPORTED SOILS THAT WILL BE UTILIZED ON THE PROJECT SITE.

* ENVIRONMENTAL DUE DILIGENCE IS DEFINED AS: INVESTIGATIVE TECHNIQUES, INCLUDING, BUT NOT LIMITED TO, VISUAL PROPERTY INSPECTIONS, ELECTRONIC DATA BASE SEARCHES, REVIEW OF PROPERTY OWNERSHIP, REVIEW OF PROPERTY USE HISTORY, SANBORN MAPS, ENVIRONMENTAL QUESTIONNAIRES, TRANSACTION SCREENS, ANALYTICAL TESTING, ENVIRONMENTAL ASSESSMENTS OR AUDITS.

* ANALYTICAL TESTING IS REQUIRED FOR FILL MATERIAL SUSPECTED OF BEING SUBJECTED TO A SPILL OR RELEASE OF A REGULATED SUBSTANCE BASED UPON COMPLETION OF VISUAL INSPECTION AND/OR REVIEW OF PAST LAND USES AS PART OF ENVIRONMENTAL DUE DILIGENCE. FILL MATERIAL DETERMINED TO NOT QUALIFY AS CLEAN FILL THROUGH ANALYTICAL TESTING IS CONSIDERED REGULATED FILL AND MUST BE MANAGED AS A WASTE IN ACCORDANCE WITH APPLICABLE MUNICIPAL OR RESIDUAL WASTE REGULATIONS OF THE DEPARTMENT.

* CLEAN FILL IS DEFINED AS: UNCONTAMINATED NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT SOLID. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIALS, USED ASPHALT, AND BRICK, BLOCK OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED.

PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN FOR THE PROPOSED CONSTRUCTION ACTIVITIES TO CONTROL THE POTENTIAL DISCHARGE OF POLLUTANTS CARRIED IN STORM WATER.
- BOTH THE E&S PLAN AND THE PPC PLAN ARE TO BE MAINTAINED ON SITE FOR THE DURATION OF THE PERMIT.
- A PPC PLAN IS REQUIRED IF CHEMICALS, SOLVENTS, HAZARDOUS WASTES, OR ANY MATERIAL WITH THE POTENTIAL FOR CAUSING ACCIDENTAL POLLUTION OF AIR, LAND, OR WATER, ARE STORED OR UTILIZED ON THE SITE.
- FOLLOW THIS FORMAT AND INCLUDE THESE ELEMENTS FOR THE PPC PLAN:

- GENERAL DESCRIPTION OF THE CONSTRUCTION ACTIVITY:
- INCLUDE DRAWINGS SHOWING GENERAL LAYOUT OF SITE, PROPERTY BOUNDARIES, MATERIALS STORAGE AREAS, LOADING AND UNLOADING OPERATION SITES, TRUCK WASHING AREAS, IN ADDITION TO THE FEATURES OF THE E&S PLANS.
- EMERGENCY RESPONSE PROGRAM:
- DESCRIBE THE ORGANIZATIONAL STRUCTURE, CHAIN OF COMMAND, EMERGENCY COORDINATORS AND CONTACTS. INCLUDE DESCRIPTIONS OF EACH INDIVIDUAL'S DUTIES AND RESPONSIBILITIES WITHIN THE CHAIN OF COMMAND FOR IMPLEMENTATION OF THE PPC PLAN.
- SHOW THE ORGANIZATIONAL CHART A LIST OF EMERGENCY COORDINATORS THAT MUST BE CONTACTED IN THE EVENT OF AN EMERGENCY OR SPILL.
- DESCRIBE THE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR SPECIFIC TO THE SITE OR ACTIVITY IN THE EVENT OF AN EMINENT OR ACTUAL EMERGENCY.
- INCLUDE ON THE ORGANIZATIONAL CHART OR ON AN ATTACHMENT, A LIST OF AGENCIES AND PHONE NUMBERS THAT MUST BE CONTACTED IN THE EVENT OF AN EMERGENCY OR SPILL.

SUCH A LIST INCLUDES AS APPLICABLE:

PA DEP
PA EMERGENCY MANAGEMENT AGENCY
COUNTY HEALTH DEPARTMENT

PENNSYLVANIA
THE NATIONAL RESPONSE CENTER (U.S. EPA AND U.S. COAST GUARD)

LOCAL POLICE AND FIRE DEPARTMENTS

DOWN STREAM PUBLIC WATER SUPPLIES

INDUSTRIAL WATER USERS

RECREATION AREAS

SUCH A LIST INCLUDES AS APPLICABLE:

PA DEP
PA EMERGENCY MANAGEMENT AGENCY
COUNTY HEALTH DEPARTMENT

PENNSYLVANIA
THE NATIONAL RESPONSE CENTER (U.S. EPA AND U.S. COAST GUARD)

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LOCAL POLICE AND FIRE DEPARTMENTS

DOWN STREAM PUBLIC WATER SUPPLIES

INDUSTRIAL WATER USERS

RECREATION AREAS

SUCH A LIST INCLUDES AS APPLICABLE:

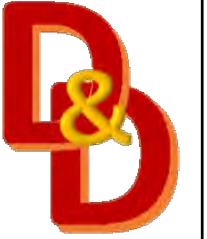
PA DEP
PA EMERGENCY MANAGEMENT AGENCY
COUNTY HEALTH DEPARTMENT

PENNSYLVANIA
THE NATIONAL RESPONSE CENTER (U.S. EPA AND U.S. COAST GUARD)

LOCAL POLICE AND FIRE DEPARTMENTS

DOWN STREAM PUBLIC WATER SUPPLIES

INDUSTRIAL WATER USERS</



**D&D
ENGINEERING
&
GENERAL
CONSTRUCTION**

548 SKYHAWK TRAIL
STROUDSBURG, PA 18360
PHONE: (570) 236-7058
DEANNA SCHMOYER@YAHOO.COM

PROJECT NO.

DATE
1/4/2021



REVISIONS	NO.	DATE	DESCRIPTION
	1	3/16/2021	PER TOWNSHIP ENGINEERS & MCOD REVIEW
	2	6/7/2021	PER TOWNSHIP ENGINEERS & MCOD REVIEW

**E&SPC DETAILS
FOR
WINDS WEST, INC.
SELF-STORAGE UNITS
MIDDLE SMITHFIELD TOWNSHIP, MONROE COUNTY, PA**

STANDARD CONSTRUCTION DETAIL # 4-1

COMPOST FILTER SOCK

NOT TO SCALE

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 3/8" SIEVE
SOLUBLE SALT CONCENTRATE	5.0 dS/m (mmhos/cm) MAXIMUM

TABLE 4.1 COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS

MATERIAL TYPE	3 mil HDPE	5 mil HDPE	5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (HDMFPP)
MATERIAL CHARACTERISTICS	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE	BIO-DEGRADABLE	PHOTO-DEGRADABLE	PHOTO-DEGRADABLE
SOCK DIAMETERS	12"	12"	12"	18"	18"
	16"	16"	24"	24"	24"
	24"	24"	32"	32"	32"
MESH OPENING	3/8"	3/8"	3/8"	3/8"	3/8"
TENSILE STRENGTH			26 PSI	26 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

2-PLY SYSTEMS

INNER CONTAINMENT NETTING	HDPE BIAXIAL NET CONTINUOUSLY WOUND FUSION-WELD JUNCTURES 3/4" X 3/4" MAX. APERTURE SIZE
OUTER FILTRATION MESH	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

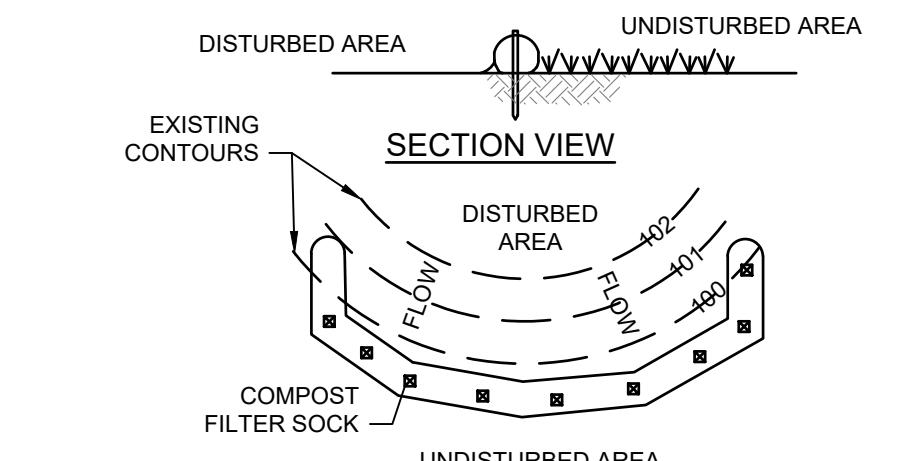
COMPOST SHOULD BE WELL DECOMPOSED, WEED-FREE ORGANIC MATTER DERIVED FROM AGRICULTURE, FOOD STUMP GRINDINGS, AND YARD PO WOOD BARK ORGANIC MATTER SOURCES. THE COMPOST SHOULD BE AEROBICALLY COMPOSED. THE COMPOST SHOULD POSSESS NO OBJECTIONABLE odORS AND SHOULD BE REASONABLY FREE (<1% BY DRY WEIGHT) OF MAN-MADE FOREIGN MATTER. THE COMPOST PRODUCT SHOULD NOT RESEMBLE THE RAW MATERIAL FROM WHICH IT WAS DERIVED. WOOD AND BARK CHIP, GROUND CONSTRUCTION DEBRIS OR REPROCESSED WOOD PRODUCTS ARE NOT ACCEPTABLE AS THE INORGANIC COMPONENT OF THE MIX.

THE PHYSICAL PARAMETERS OF THE COMPOST SHOULD COMPLY WITH THE STANDARDS IN TABLE 4-2. THE STANDARDS CONTAINED IN THE PENN DOT PUBLICATION 408 ARE AN ACCEPTABLE ALTERNATIVE.

STANDARD CONSTRUCTION DETAIL # 4-1

COMPOST FILTER SOCK

NOT TO SCALE



SECTION VIEW

PLAN VIEW

UNDISTurbed AREA

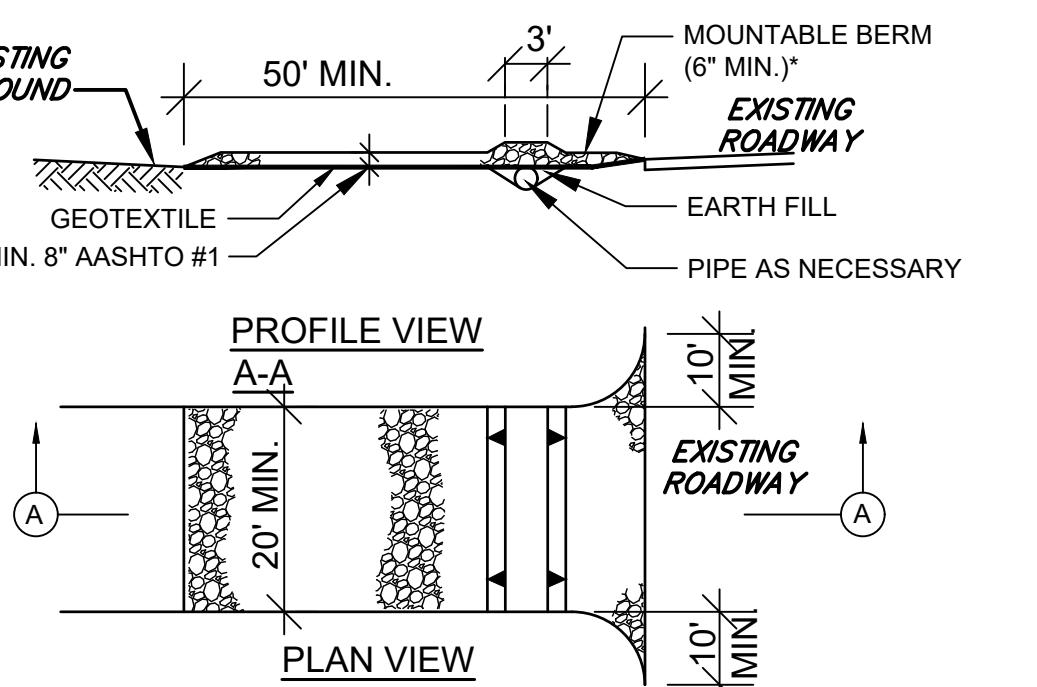
EXISTING ROADWAY

EXISTING GROUND

GEOTEXTILE

EARTH FILL

PIPE AS NECESSARY



PROFILE VIEW

A-A

A-A

EXISTING ROADWAY

20' MIN.

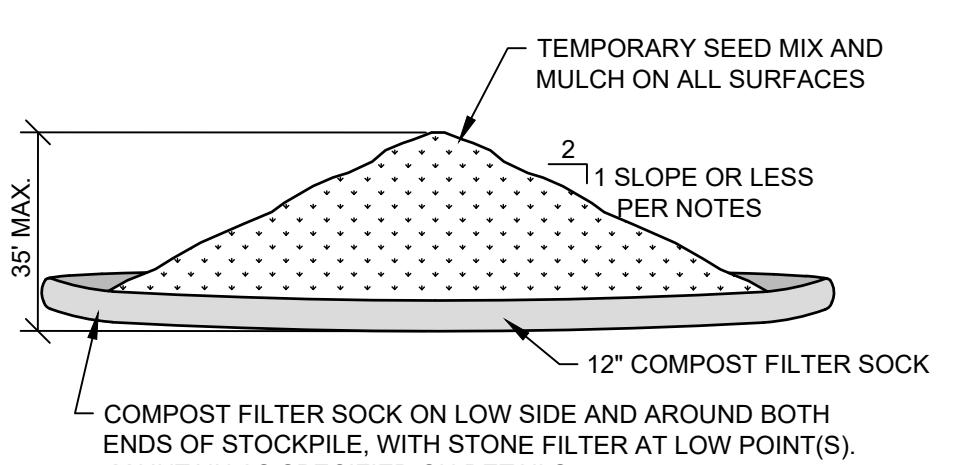
10' MIN.

10' MIN.

EXISTING GROUND

50' MIN.

3' MOUNTABLE BERM (6' MIN.)



12" COMPOST FILTER SOCK

TEMPORARY SEED MIX AND
MULCH ON ALL SURFACES

1:1 SLOPE OR LESS
PER NOTES

2' MAX.

12" COMPOST FILTER SOCK
ON LOW SIDE AND AROUND BOTH
ENDS OF STOCKPILE. WITH STONE FILTER AT LOW POINT(S).
MAINTAIN AS SPECIFIED ON DETAILS.

NOTES:

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. STOCKPILE TOPSOIL OR EXCAVATED SOIL MATERIAL AT LOCATIONS SHOWN FOR EACH PHASE OF CONSTRUCTION.
3. HEIGHT AND SIDE SLOPES SHALL NOT EXCEED MAXIMUM VALUES SHOWN ON DETAIL.
4. INSTALL COMPOST FILTER SOCK PRIOR TO STOCKPILING OF MATERIAL. REPLACE ANY COMPOST FILTER SOCK REMOVED FOR VEHICULAR ACCESS AFTER EACH WORK DAY.
5. ALL ACTIVE STOCKPILES SHALL BE ACCESSED FROM THE UPHILL SIDE.
6. SEE SPECIFICATIONS FOR INSTALLATION OF COMPOST FILTER SOCK.
7. APPLY A TEMPORARY SEED MIX AND MULCH WHEN PILE WILL REMAIN FOR 30 DAYS OR MORE.
8. ANY EXCAVATION SLOPES THAT WILL EXIST FOR A PERIOD LESS THAN 6 MONTHS IS CONSIDERED TO BE TEMPORARY.
9. ALL TEMPORARY SLOPES ARE RECOMMENDED TO BE CONSTRUCTED NOT STEEPER THAN 2:1:V.

TYPICAL STOCKPILE DETAIL

NOT TO SCALE

NOTES:

1. REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK ENTRANCE. EXTEND ROCK OVER FULL WIDTH OF ENTRANCE.
2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION ENTRANCE.
3. MOUNTABLE BERM SHOULD BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE TO BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

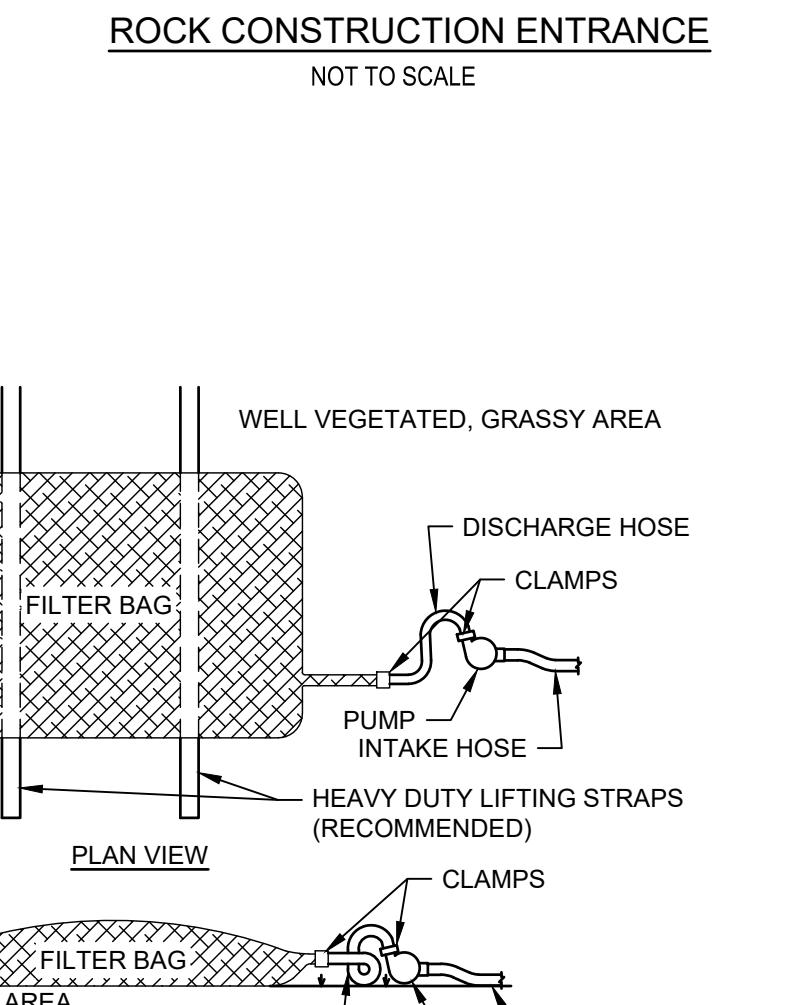
MAINTENANCE:

ROCK CONSTRUCTION ENTRANCE THICKNESS SHALL BE CONSTANTLY MAINTAINED TO THE SPECIFIED DIMENSIONS BY ADDING ROCK. A STOCKPILE SHALL BE MAINTAINED ON SITE FOR THIS PURPOSE. ALL SEDIMENT DEPOSITED ON PAVED ROADWAYS SHALL BE REMOVED AND RETURNED TO THE CONSTRUCTION SITE IMMEDIATELY. IF EXCESSIVE AMOUNTS OF SEDIMENT ARE BEING DEPOSITED ON ROADWAYS, EXTEND LENGTH OF ROCK CONSTRUCTION BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACE. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWER, CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

STANDARD CONSTRUCTION DETAIL # 3-1

ROCK CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:

1. LOW VOLUME FILTER BAGS SHALL BE MADE FROM NON-WOVEN GEOTEXTILE MATERIAL SEWN WITH HIGH STRENGTH, DOUBLE STITCHED "J" TYPE SEAMS. THEY SHALL BE CAPABLE OF TRAPPING PARTICLES LARGER THAN 150 MICRONS. HIGH VOLUME FILTER BAGS SHALL BE MADE FROM WOVEN GEOTEXTILES THAT MEET THE FOLLOWING STANDARDS:

PROPERTY	TEST METHOD	MINIMUM STANDARD
AVG. WIDE WIDTH STRENGTH	ASTM D-4884	60 LB/IN
GRAB TENSILE	ASTM D-4632	205 LB
PUNCTURE	ASTM D-4833	110 LB
MULLEN BURST	ASTM D-3786	350 PSI
UV RESISTANCE	ASTM D-4355	70%
AOS % RETAINED	ASTM D-4751	80 SIEVE

2. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES SHALL BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 1/2 FULL OF SEDIMENT. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. BAGS SHALL BE PLACED ON STRAPS TO FACILITATE REMOVAL UNLESS BAGS COME WITH LIFTING STRAPS ALREADY ATTACHED.
3. BAGS SHALL BE LOCATED IN WELL-VEGETATED (GRASSY) AREA, AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE DISCHARGE CAPACITY. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
4. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC IS RECOMMENDED FOR THE PURPOSE.
5. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PUMP INTAKES SHALL BE FLOATING AND SCREENED.
6. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOTE RESUME UNTIL THE PROBLEM IS CORRECTED.
7. DOWNSTREAM COMPOST FILTER SOCK TO BE USED WHEN PUMPED WATER FILTER BAG IS NOT USED IN CONJUNCTION WITH A SUMP PIT. SEE STANDARD CONSTRUCTION DETAIL # 3-11 COMPOST SOCK SEDIMENT TRAP FOR ADDITIONAL INFORMATION

*DO NOT USE ON MAJOR PAVED ROADWAYS WHERE PONDING MAY CAUSE TRAFFIC HAZARDS.

STANDARD CONSTRUCTION DETAIL #4-16
FILTER BAG INLET PROTECTION - TYPE M INLET
NOT TO SCALE

STANDARD CONSTRUCTION DETAIL # 3-16

PUMPED WATER FILTER BAG

NOT TO SCALE

NOT TO SCALE

CONCRETE WASHOUT DETAIL

NOT TO SCALE

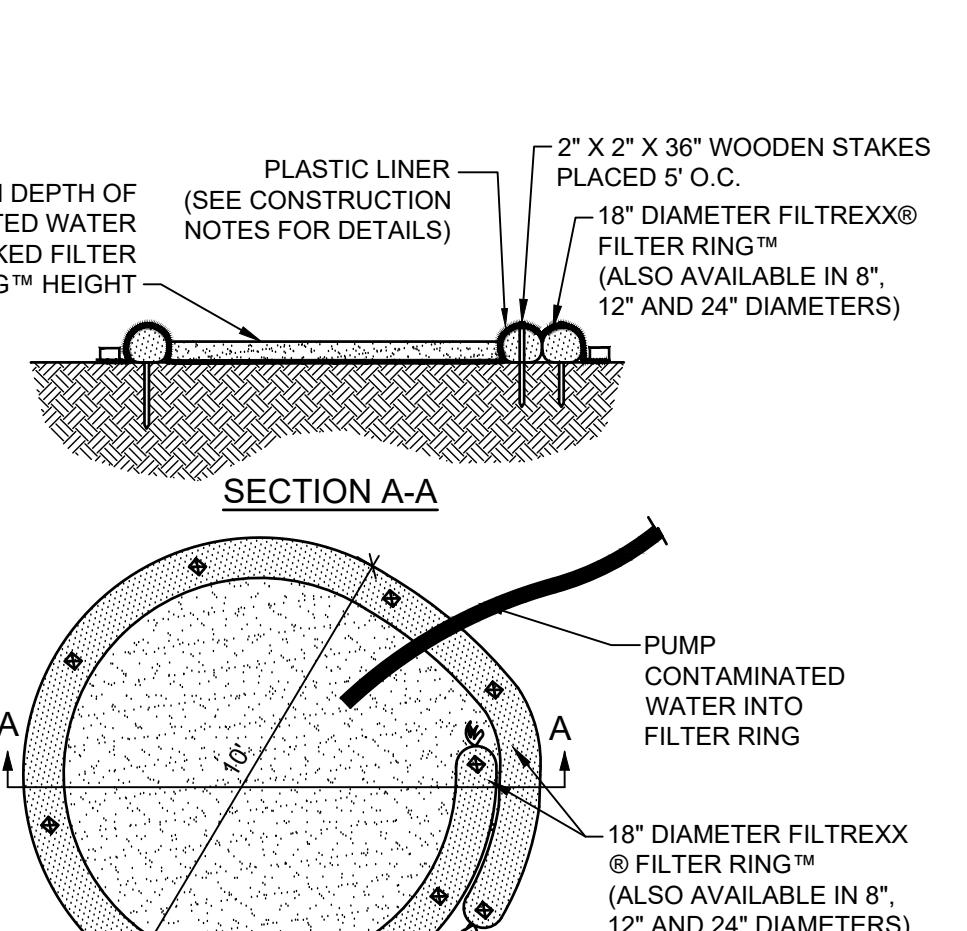
NOTES:

1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
2. FILTER RINGS™ MAY BE STACKED IN A PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT AND STABILITY.
3. FILTER RINGS™ MAY BE DIRECT SEADED AT THE TIME OF INSTALLATION.
4. PREFABRICATED METAL WASHOUT CONTAINERS CAN BE USED IN LIEU OF COMPOST SOCK RING WASHOUT.

STANDARD CONSTRUCTION DETAIL # 11-1

EROSION CONTROL BLANKET INSTALLATION

NOT TO SCALE



SECTION A-A

A-A

MAXIMUM DEPTH OF CONTAMINATED WATER (SEE CONSTRUCTION NOTES FOR DETAILS)

PLASTIC LINER (SEE CONSTRUCTION NOTES FOR DETAILS)

18" DIAMETER FILTREXX® FILTER RING™ (ALSO AVAILABLE IN 8", 12" AND 24" DIAMETERS)

2" X 2" X 36" WOODEN STAKES PLACED 6' O.C.

18" DIAMETER FILTREXX® FILTER RING™ (ALSO AVAILABLE IN 8", 12" AND 24" DIAMETERS)

2" X 2" X 36" WOODEN STAKES PLACED 6' O.C.

PUMP CONTAMINATED WATER INTO FILTER RING

PLATE

10'

SEQUENCE OF CONSTRUCTION ACTIVITIES

ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SEQUENCE OF CONSTRUCTION ACTIVITIES. EACH STAGE SHALL BE COMPLETED BEFORE A SUBSEQUENT STAGE IS INITIATED, EXCEPT WHERE NOTED. DEVIATION FROM THAT SEQUENCE MUST BE APPROVED BY THE MONROE COUNTY CONSERVATION DISTRICT PRIOR TO IMPLEMENTATION. UPON THE COMPLETION OR TEMPORARY CESSION OF THE EARTH DISTURBANCE ACTIVITY, OR ANY STAGE THEREOF, THE PROJECT SITE SHALL BE IMMEDIATELY STABILIZED. AT LEAST SEVEN (7) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE OPERATOR SHALL INVITE ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES; THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENT CONTROL PLAN PREPARER, AND THE CONSERVATION DISTRICT TO AN ON-SITE MEETING. ALSO, AT LEAST THREE (3) DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES SHALL NOTIFY THE PENNSYLVANIA ONE CALL SYSTEM INCORPORATED AT (800) 242-1776 TO LOCATE BURIED UTILITIES AND THE MONROE COUNTY CONSERVATION DISTRICT AT (570) 629-3060. ADDITIONALLY, UPON INSTALLATION OR STABILIZATION OF ALL PERIMETER SEDIMENT CONTROL BMP'S AND AT LEAST THREE (3) DAYS PRIOR TO PROCEEDING WITH THE BULK EARTH DISTURBANCE ACTIVITIES, THE PERMITTEE OR CO-PERMITTEE SHALL PROVIDE NOTIFICATION TO THE MONROE COUNTY CONSERVATION DISTRICT.

NOTES:

- EACH STAGE OF THE CONSTRUCTION SEQUENCE MUST BE COMPLETED PRIOR TO INITIATION OF SUBSEQUENT STAGE.
- CESSATION OF ACTIVITY FOR 4 DAYS OR LONGER REQUIRES TEMPORARY STABILIZATION OF DISTURBED AREAS.
- CLEAR AND GRUB AREAS PRIOR TO EXCAVATION. STOCKPILE ALL TOPSOIL IN DESIGNATED AREAS.
- ALL CONSTRUCTION TRAFFIC MUST ENTER AND EXIT THE PROJECT SITE THROUGH A ROCK CONSTRUCTION ENTRANCE.
- STORMWATER FACILITIES SHOULD BE INSTALLED STARTING AT THE OUTLET AREAS AND PROGRESS UPSTREAM, INSTALLING BMP'S AND LININGS AS WORK PROGRESSES.
- REFER TO TRENCH EXCAVATION NOTES FOR ALL TRENCHING OPERATIONS.
- UTILIZE CLEARED VEGETATION TO STABILIZE SITE DISTURBANCE AS DESIRED. MULCH VEGETATION AND SPREAD AS NEEDED. REMOVE ALL EXCESS MATERIAL OFF SITE AND DISPOSE OF PROPERLY.
- A PUMMED WATER FILTER BAG AND COMPOST SEDIMENT TRAP SHALL BE UTILIZED TO DETER EXCAVATIONS AS NEEDED.
- ALL STOCKPILE MATERIAL SHALL BE PLACED IN DESIGNATED STOCKPILE LOCATIONS AS INDICATED ON PLAN DRAWINGS.
- STOCKPILE ALL SUITABLE MATERIAL FOR REUSE WITHIN AN APPROVED STOCKPILE LOCATION AND HAUL ALL EXCESS AND UNSUITABLE MATERIAL OFF-SITE TO AN APPROVED DISPOSAL LOCATION.
- A LICENSED PROFESSIONAL OR THEIR DESIGNEE MUST BE PRESENT AT THE SITE DURING INSTALLATION OF PCSM PLAN MEASURES NOTED AS 'CRITICAL STAGE' IN THE SEQUENCE.
- LAY EROSION CONTROL BLANKETS ON ANY PROPOSED SLOPES 3:1 OR GREATER.

CONSTRUCTION SEQUENCE

- SCHEDULE A PRE-CONSTRUCTION MEETING AT THE CONSTRUCTION SITE AMONG THE CONTRACTOR, MONROE COUNTY CONSERVATION DISTRICT, THE DEVELOPER, AND ANY OTHER PERTINENT SITE PERSONNEL. NOTIFY THE MONROE COUNTY CONSERVATION DISTRICT SEVEN (7) DAYS IN ADVANCE OF ANY LAND DISTURBANCE ACTIVITIES AT 570-629-3060.
- FIELD MARK LIMITS OF DISTURBANCE AND ENVIRONMENTALLY SENSITIVE AREAS SUCH AS THE WETLAND BUFFER. UTILIZE ORANGE CONSTRUCTION FENCING IN THE FIELD TO DELINEATE THE AREAS OF EARTH DISTURBANCE.
- DELINEATE THE AREAS FOR THE PROPOSED STORMWATER MANAGEMENT (I.E. RAIN GARDEN) WITH ORANGE CONSTRUCTION FENCING TO AVOID HEAVY EQUIPMENT IN THOSE AREAS TO PREVENT COMPACTION.
- INSTALL ROCK CONSTRUCTION ENTRANCE AT THE DRIVEWAY ENTRANCE INTO THE AREA OF CONSTRUCTION. ALL CONSTRUCTION EQUIPMENT IS TO ENTER AND EXIT THROUGH THIS ENTRANCE.
- INSTALL THE SILT SOCK AS INDICATED BELOW THE PROPOSED EARTH DISTURBANCES.
- CLEAR THE VEGETATION WITHIN THE DISTURBED LIMITS AREA.
- ROUGH GRADE SITE. INSTALL TOPSOIL, SEEDING, AND SLOPE MATTING AS AREAS ARE BROUGHT TO GRADE. MAINTAIN THE STOCKPILE AREA AS INDICATED ON THE PLANS (LOCATED IN BUILDING FOOTPRINT AREA AS TO MINIMIZE COMPACTION FOR PROPOSED PERMEABLE PAVEMENT AREAS).
- INSTALL INLET BOXES AND PIPE CONVEYANCE SYSTEMS. INSTALL INLET PROTECTION ON THE INLETS. CONVEYANCE SYSTEMS TO BE INSTALLED FROM DOWNSTREAM TO UPSTREAM. INSTALL ANTI-SEEP COLLARS ON DETENTION PIPE.
- INSTALL SEWER AND WATER SERVICE LINES TO THE PROPOSED BUILDING AREA. INSTALL CONVEYANCE PIPES FOR ROOF DRAINS. INSTALL RIPRAP APRON AT END OF ROOF DRAIN DISCHARGE INTO RAIN GARDEN.
- INSTALL THE FOUNDATION FOR THE PROPOSED BUILDING AND BACKFILL.
- GRADE THE SITE IN ACCORDANCE WITH THE PLANS. CUT THE WESTERN PORTION OF THE PROPERTY AND FILL TOWARDS THE EASTERN PORTION OF THE PROPERTY. FILL AREAS TO BE PERFORMED IN LIFTS AND COMPAKTED. BRING LOT TO SUB-GRADE. FINAL GRADE AND INSTALL STONE SUBBASE FOR THE PAVEMENT AND SIDEWALK AREAS AS THESE AREAS ARE BROUGHT TO GRADE.
- CRITICAL STAGE: INSTALL RAIN GARDEN IN ACCORDANCE WITH THE DETAILS. INSTALLATION OF THE RAIN GARDEN SHALL REQUIRE A LICENSED PROFESSIONAL OR DESIGNEE TO BE PRESENT AT THE SITE DURING CONSTRUCTION OF THE STORMWATER BMP. TWO (2) INFILTRATION TESTS ARE REQUIRED TO BE PERFORMED ON THE BASIN SUBGRADE AND TWO (2) INFILTRATION TESTS ARE REQUIRED TO BE PERFORMED ON THE BASIN AMENDED SOILS THAT WILL BE PLACED IN THE BOTTOM OF THE RAIN GARDEN. CONTRACTOR TO COORDINATE BASIN CONSTRUCTION WITH ENGINEER FOR TESTING. TEST RESULTS SHALL BE SUBMITTED TO MCCD FOR APPROVAL. REFER TO THE SPECIFIC INSTALLATION SEQUENCE FOR THE RAIN GARDEN. INSTALL OUTLET CONTROL BOX AND CONVEYANCE PIPE.
- CRITICAL STAGE: INSTALL THE PERMEABLE PAVEMENT IN ACCORDANCE WITH THE DETAILS. INSTALL SUB-BASE AND GEOTEXTILE FABRIC. INSTALL PAVEMENT OVER SUB-BASE. INSTALLATION OF THE PERMEABLE PAVEMENT SHALL REQUIRE A LICENSED PROFESSIONAL OR DESIGNEE TO BE PRESENT AT THE SITE DURING CONSTRUCTION OF THE STORMWATER BMP. REFER TO THE SPECIFIC INSTALLATION SEQUENCE FOR THE PERMEABLE PAVEMENT.
- FINISH CONSTRUCTION OF BUILDING AND CONNECT BUILDING ROOF DRAINS.
- FINAL LANDSCAPING BY INSTALLING FINAL SEEDING AND PLANTINGS.
- UPON FINAL STABILIZATION OF SITE REMOVE TEMPORARY CONTROLS, SUCH AS THE COMPOST FILTER SOCKS, ORANGE PROTECTIVE FENCE, INLET PROTECTION, AND ROCK CONSTRUCTION ENTRANCE. ALL DISTURBED AREAS SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS

WASTE RECYCLING AND DISPOSAL NOTES:

THE INDIVIDUALS RESPONSIBLE FOR THE EARTH DISTURBANCE ACTIVITIES MUST ENSURE METHODS ARE IN PLACE TO CONTROL SITE WASTE MATERIAL. ALL SUITABLE MATERIAL ACCUMULATED FROM SITE WORKS SHALL BE DISPOSED IN IN LANDSCAPED AREAS OUTSIDE OF DRAINED SWALE. STEEP SLOPES AND AREAS OUTSIDE OF MATERIAL WHICH INCLUDES BUT IS NOT LIMITED TO DAMAGED CONSTRUCTION MATERIAL, EXISTING BUILDING MATERIAL, GENERAL TRASH, ETC. WILL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER ACCORDING TO THE PA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S SOLID WASTE MANAGEMENT REGULATIONS (PA CODE TITLE 25, CHAPTER 260.1 ET SEQ, 271.1 ET SEQ, AND 287.1 ET SEQ). THE DISPOSAL SITE MUST HAVE A SEPARATE EROSION CONTROL PLAN AND MUST BE APPROVED BY THE ENGINEER AND THE MONROE COUNTY CONSERVATION DISTRICT. ALL EXCESS SOIL FROM THE SITE MUST REMAIN ON THE PROPERTY AND SHALL BE SPREAD OUT IN THE AREA OF THE SOIL STOCKPILE.

ANTICIPATED CONSTRUCTION WASTES:

ANTICIPATED CONSTRUCTION WASTES INCLUDE ROCK AND VEGETATION.

FOR FINAL SEEDING MEASURES:

PRIOR TO PERMANENTLY SEEDING VEGETATED AREAS PLACE A MINIMUM OF FOUR INCHES OF TOPSOIL TO MEET THE PROPOSED FINISH GRADE ELEVATIONS.

SEED FORMULA (SLOPES 3:1 OR FLATTER): PENNDOT FORMULA B
20% PERENNIAL RYEGRASS
30% CREEPING RED FESCUE OR CHEWINGS FESCUE
50% KENTUCKY BLUEGRASS MIXTURE

- APPLY PULVERIZED AGRICULTURAL LIMESTONE @ 2480 LBS. PER 1000 SQ. YD. (6.0 T./AC.)
- APPLY 10-20-20 ANALYSIS COMMERCIAL FERTILIZER @ 210 LBS. PER 1000 SQ. YD. (1000 LB./AC.)
- APPLY FORMULA B SEED @ 42 LBS. PER 1000 SQ. YD.
- APPLY HAY OR STRAW MULCH AT 3 TONS PER ACRE.
- ANCHOR HAY OR STRAW MULCH USING A SPRAYED NON-ASPHALTIC EMULSION AT MANUFACTURERS RECOMMENDED RATE
- PERFORM SEEDING BETWEEN MARCH 15 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15.

SEED FORMULA (SLOPES 3:1 OR GREATER): PENNDOT FORMULA D
60% TALL FESCUE
30% CREEPING RED FESCUE OR CHEWINGS FESCUE
10% ANNUAL RYEGRASS (LOLIUM MULTIFLORUM)

- APPLY PULVERIZED AGRICULTURAL LIMESTONE @ 2480 LBS. PER 1000 SQ. YD. (6.0 T./AC.)
- APPLY 10-20-20 ANALYSIS FERTILIZER @ 210 LBS. PER 1000 SQ. YD. (1000 LB./AC.)
- APPLY FORMULA D SEED @ 50 LBS. PER 1000 SQ. YD.
- APPLY HAY OR STRAW MULCH AT 3 TONS PER ACRE.
- ANCHOR HAY OR STRAW MULCH USING A SPRAYED NON-ASPHALTIC EMULSION AT MANUFACTURERS RECOMMENDED RATE
- PERFORM SEEDING BETWEEN MARCH 15 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15.

NOTE: WHEN STABILIZING SITE OUTSIDE OF SPECIFIED SEEDING GERMINATION PERIODS (WINTER MONTHS), STABILIZE DISTURBED AREAS WITH EROSION CONTROL BLANKETS (ERONET S75, STAPLE PATTERN C) AND WINTER RYEGRASS.

SEEDING

NOTE: IF CONSTRUCTION OCCURS OUTSIDE OF THE GROWING SEASON AS SPECIFIED, TEMPORARILY STABILIZE AREA WITH MULCH AT 3 TONS/ACRE AND THEN PERMANENTLY STABILIZE AREA IN SPRING PER FINAL SEEDING SPECIFICATIONS BELOW.

FOR TEMPORARY CONTROL MEASURES:

SEED FORMULA: PENNDOT FORMULA E
100% ANNUAL RYEGRASS

- APPLY FORMULA E SEED @ 48.4 LB./AC.
- PERFORM SEEDING BETWEEN MARCH 15 AND OCTOBER 15 (RECOMMENDED). APPLY HAY OR STRAW MULCH @ 3 TONS PER ACRE.
- PROVIDE ADEQUATE TOPSOIL (MIN. 4") PRIOR TO COMMENCING SEEDING ACTIVITIES.

(NOTE: LIMESTONE AND FERTILIZER MUST BE APPLIED PRIOR TO FINAL SEEDING MEASURES.)

FOR FINAL MEASURES:

MEADOW SEED MIX (USE THE SPECIFIED MIX OR COMPARABLE)

NATIVE UPLAND WILDLIFE FORAGE & COVER MEADOW MIX
ERNMX-123 ON ALL DESIGNATED AREAS

- APPLY PULVERIZED AGRICULTURAL LIMESTONE @ 2480 LBS. PER 1000 SQ. YD. (6.0 T./AC.)
- APPLY 10-20-20 ANALYSIS COMMERCIAL FERTILIZER @ 140 LBS. PER 1000 SQ. YD. (677.6 LB./AC.)
- APPLY SEED @ 20 LBS. PER ACRE
- APPLY HAY OR STRAW MULCH AT 3 TONS PER ACRE.
- PERFORM SEEDING BETWEEN MARCH 15 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15.

35% BIG BLUESTEM, 'PRAIRIE VIEW-IN' ECOTYPE (ANDROPOGON GERARDII, 'PRAIRIE VIEW-IN' ECOTYPE)

21% VIRGINIA WILD RYE, PA ECOTYPE (ELYMUS VIRGINICUS, PA ECOTYPE)

18% SWITCHGRASS, 'SHAWNEE' (PANICUM VIRGATUM, 'SHAWNEE')

10% COASTAL PANIC GRASS, 'ATLANTIC-VA' ECOTYPE (PANICUM AMARUM, 'ATLANTIC-VA' ECOTYPE)

5% PARTRIDGE PEA, PA ECOTYPE (CHAMAECRISTA FASCICULATA (CASSIA F.) PA ECOTYPE)

3% BLACKEYED SUSAN, COASTAL PLAIN NC ECOTYPE (RUDBECKIA HIRTA, COASTAL PLAIN NC ECOTYPE)

3% INDIANGRASS, PA ECOTYPE (SORGHASTRUM NUTANS, PA ECOTYPE)

2% OXEYE SUNFLOWER, PA ECOTYPE (HELIOPSIS HELIANTHOIDES, PA ECOTYPE)

1.5% SHOWY TICKTREFOIL, PA ECOTYPE (DESMODIUM CANADENSE, PA ECOTYPE)

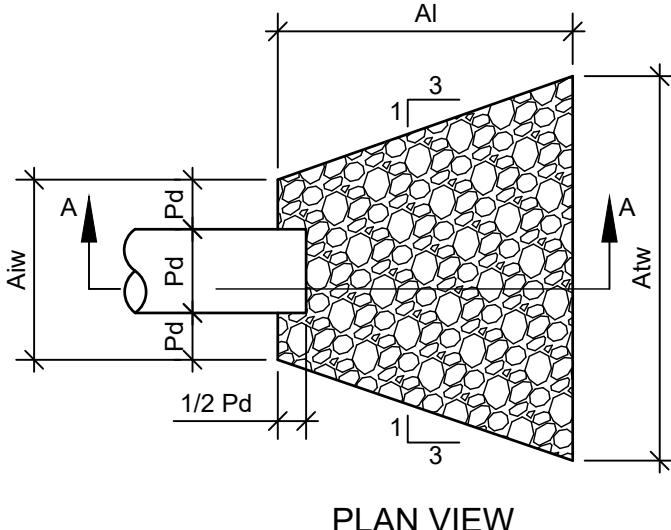
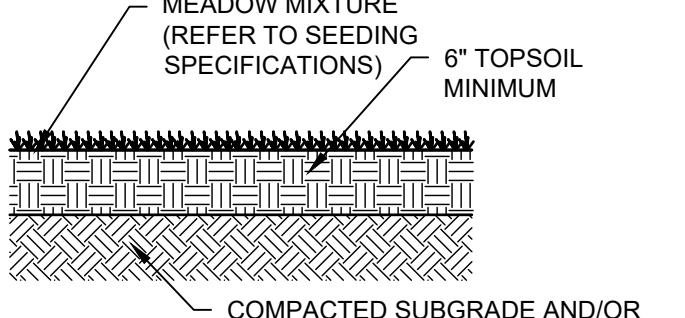
1% PLAIN COREOPSIS (COREOPSIS LUTEA)

0.4% PANICLELEAF TICKTREFOIL, PA ECOTYPE (DESMODIUM PANICULATUM, PA ECOTYPE)

0.1% COMMON MILKWEED, PA ECOTYPE (ASCLEPIAS SYRIACA, PA ECOTYPE)

MEADOW RESTORATION DETAIL

NOT TO SCALE



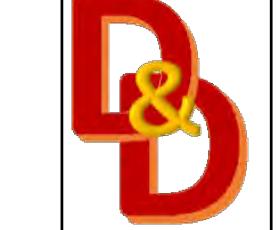
OUTLET NO.	PIPE DIA Pd (IN)	RIPRAP		APRON	
		SIZE (R-)	THICK RT (IN)	LENGTH A1 (FT)	INITIAL WIDTH A1w (FT)
RA-1	12	3	9	8	3
					11

NOTES:

- ALL APRONS SHALL BE CONSTRUCTED TO THE DIMENSIONS SHOWN. TERMINAL WIDTHS SHALL BE ADJUSTED AS NECESSARY TO MATCH RECEIVING CHANNELS.
- ALL APRONS SHALL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RUNOFF EVENT. DISPLACED RIPRAP WITHIN THE APRON SHALL BE REPLACED IMMEDIATELY.
- EXTEND RIPRAP ON BACK SIDE OF APRON TO AT LEAST 1/2 DEPTH OF PIPE ON BOTH SIDES TO PREVENT SCOUR AROUND THE PIPE.

STANDARD CONSTRUCTION DETAIL # 9-2 RIPRAP APRON AT PIPE OUTLET WITHOUT FLARED ENDWALL

NOT TO SCALE



**D&
D
ENGINEERING
&
GENERAL
CONSTRUCTION**

548 SKYHAWK TRAIL
STROUDSBURG, PA 18360

PHONE: (570)236-7058
DEANNA SCHMOYER.COM

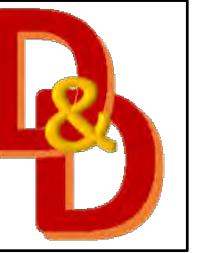
PROJECT NO.
DATE
1/4/2021



REVISIONS	DATE	DESCRIPTION
1	3/1/2021	PER TOWNSHIP ENGINEERS & MCCD REVIEW
2	6/7/2021	PER TOWNSHIP ENGINEERS & MCCD REVIEW

**E&SPC & PCSM DETAILS
FOR
WINDS WEST, INC.
SELF-STORAGE UNITS
MIDDLE SMITHFIELD TOWNSHIP, MONROE COUNTY, PA**

Map Symbol and Soil Description	HSG	Hydric Soil/Inclusions	Depth To		Soil Limitations											
			HWT (in)	Bedrock (in)	Cut Banks	Corrosive to Steel/Concrete	Droughty	Easily Erodible	Flooding	High Water Table	Hydric Soils	Low Strength	Slow Percolation	Piping	Poor Source of Topsoil	Frost Action
Sh - Sheffield Silt Loam	D	Yes	0	48-99	X</											



**D&D
ENGINEERING
&
GENERAL
CONSTRUCTION**

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PROJECT NO.

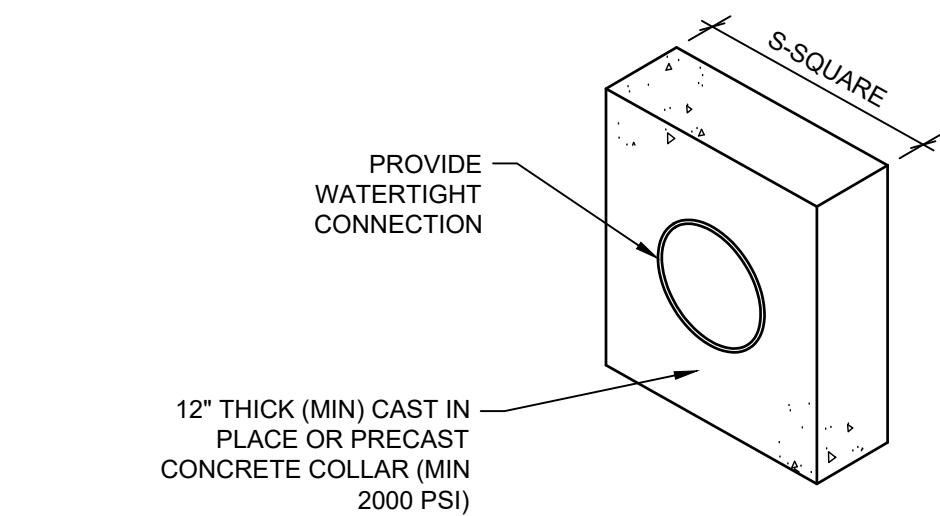
DATE

1/4/2021



DESCRIPTION	
NO.	DATE
1	3/15/2021 PER TOWNSHIP ENGINEERS & MCCD REVIEW
2	6/7/2021 PER TOWNSHIP ENGINEERS & MCCD REVIEW

E&SPC & PCSM DETAILS FOR WINDS WEST, INC. SELF-STORAGE UNITS MIDDLE SMITHFIELD TOWNSHIP, MONROE COUNTY, PA



ALL COLLARS SHALL BE INSTALLED SO AS TO BE WATERTIGHT.
COLLAR SIZE AND SPACING SHALL BE AS INDICATED BELOW.

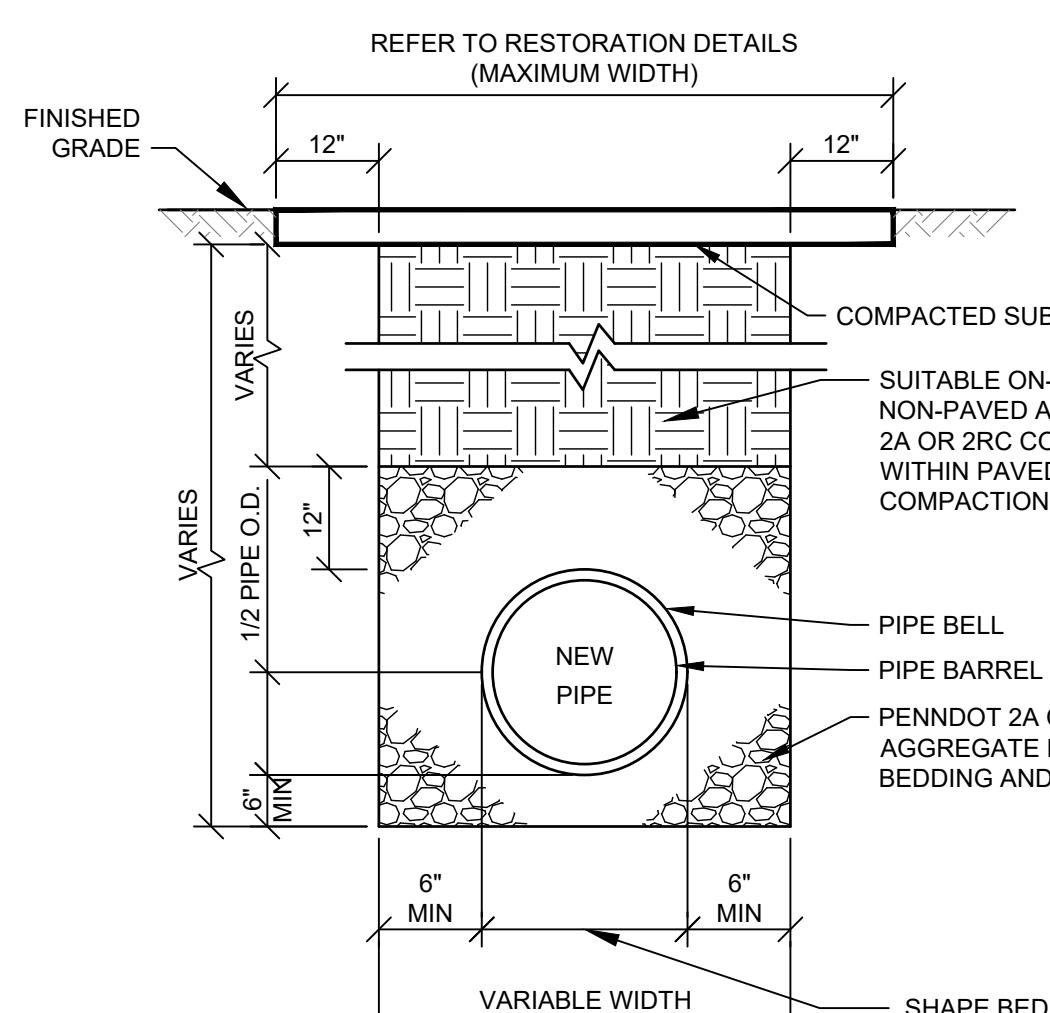
STRUCT.	PIPE SIZE (IN)	S (IN)	NO. OF COLLARS	DISTANCE RISER TO 1ST COLLAR (FT)	COLLAR SPACING (FT)
24" DET. PIPE	24"	48"	2	*	*

**STANDARD CONSTRUCTION DETAIL # 7-16
CONCRETE ANTI-SEEP COLLAR FOR PERMANENT BASINS OR TRAPS**

NOT TO SCALE
* COLLARS TO BE INSTALLED ON DETENTION PIPE BELOW BOTTOM OF RAIN GARDEN (ELEVATION BETWEEN 519.0). REFER TO PLANS.

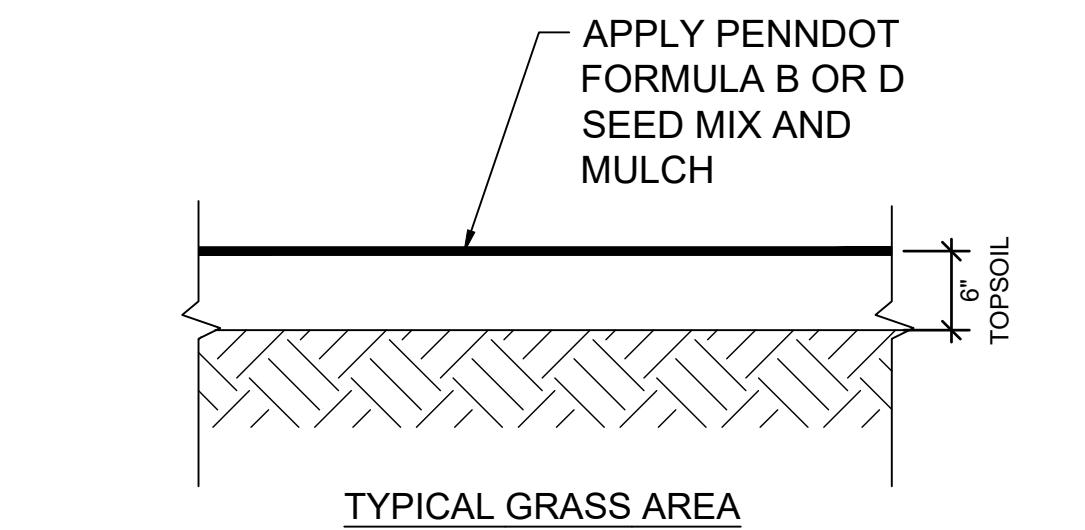
TRENCH EXCAVATION NOTES

1. LIMIT THE LENGTH OF EXCAVATED TRENCH OPEN AT ANY ONE TIME TO THE AMOUNT OF PIPE THAT CAN BE INSTALLED AND BACKFILLED IN ONE WORKING DAY.
2. NO MORE THAN 50 LINEAL FEET OF OPEN TRENCH SHOULD EXIST WHEN UTILITY INSTALLATION CEASES AT THE END OF THE WORKDAY.
3. EXCAVATED MATERIAL SHOULD BE INCORPORATED AS FILL, OR REMOVED FROM SITE TO AN APPROVED DISPOSAL LOCATION.
4. BACKFILL AND STABILIZE TRENCHES AT THE END OF EACH WORK DAY. STABILIZE WITH SUB-BASE MATERIAL IN PAVEMENT AREAS, AND WITH SEED AND MULCH IN VEGETATED AREAS.
5. MAINTAIN PUMPED WATER FILTER BAG ON-SITE TO Dewater TRENCHES AS NECESSARY. FILTER BAGS MUST DISCHARGE TO AN INLET, OR TO A WELL VEGETATED AREA AT A GRADE OF LESS THAN 5%.



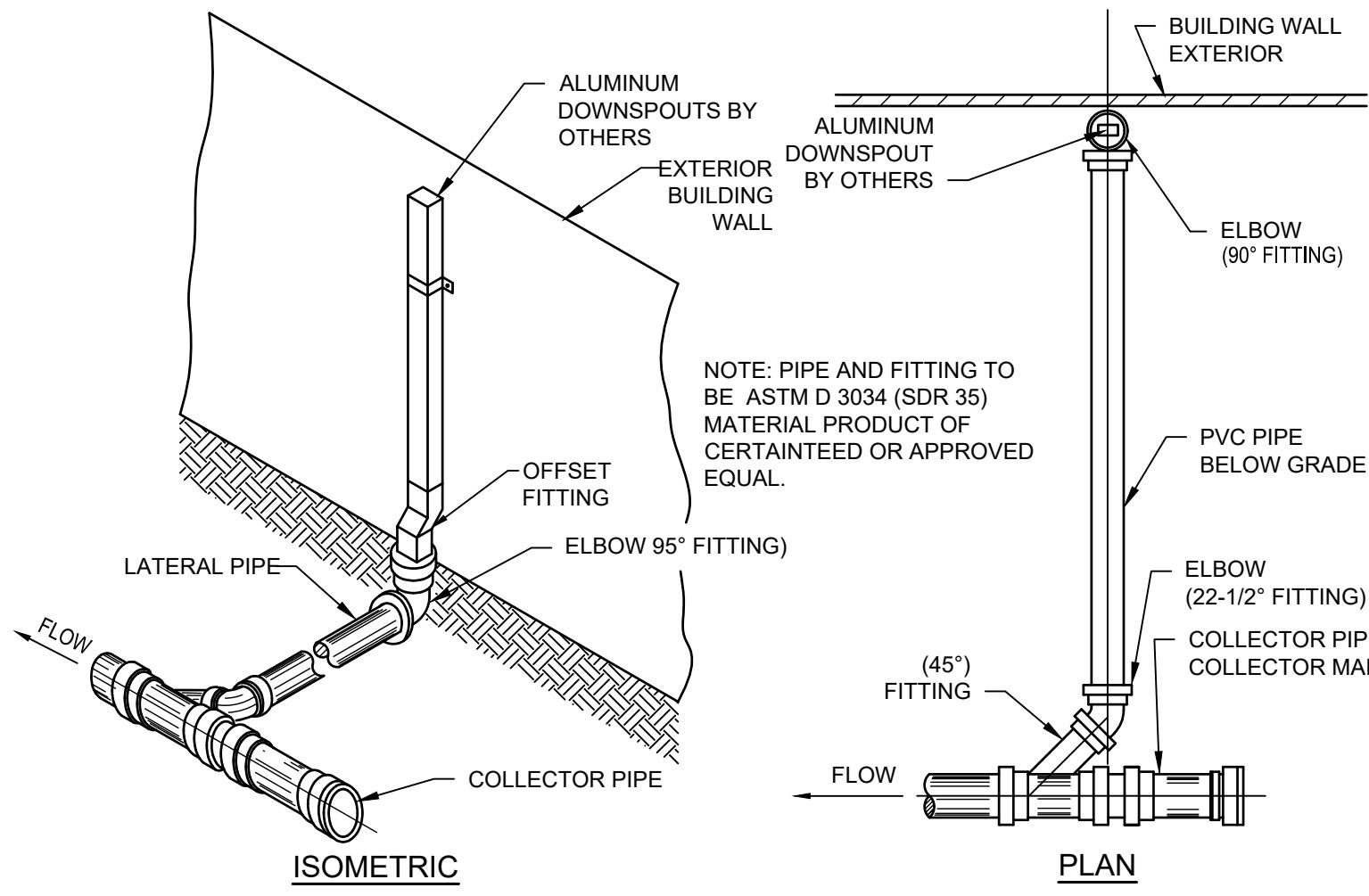
**TRENCH BEDDING,
BACKFILL AND RESTORATION**

NOT TO SCALE



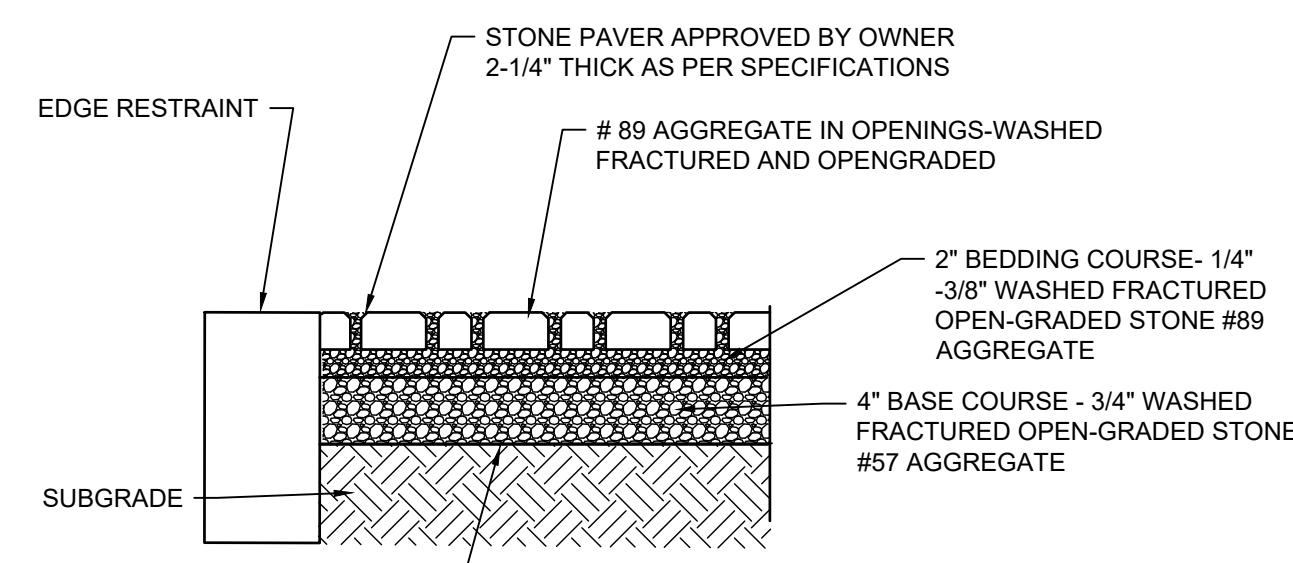
TYPICAL SURFACE RESTORATION DETAIL

NOT TO SCALE



TYPICAL DOWNSPOUT SYSTEM

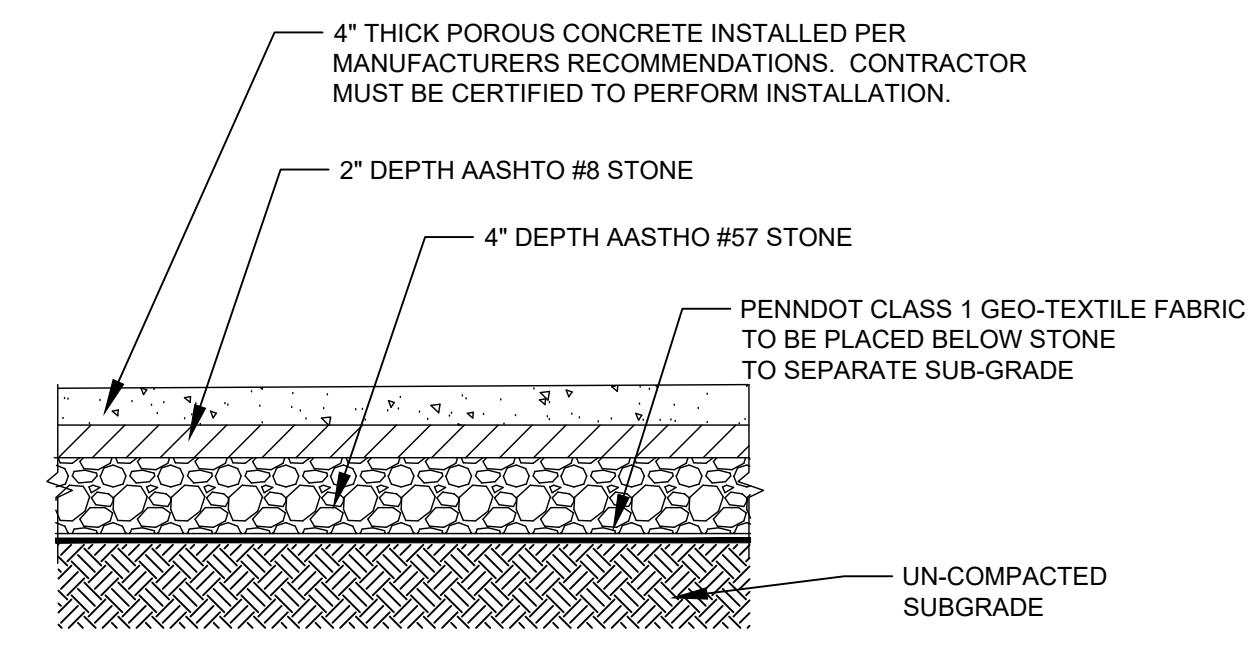
NOT TO SCALE



PERMEABLE PAVER DETAIL

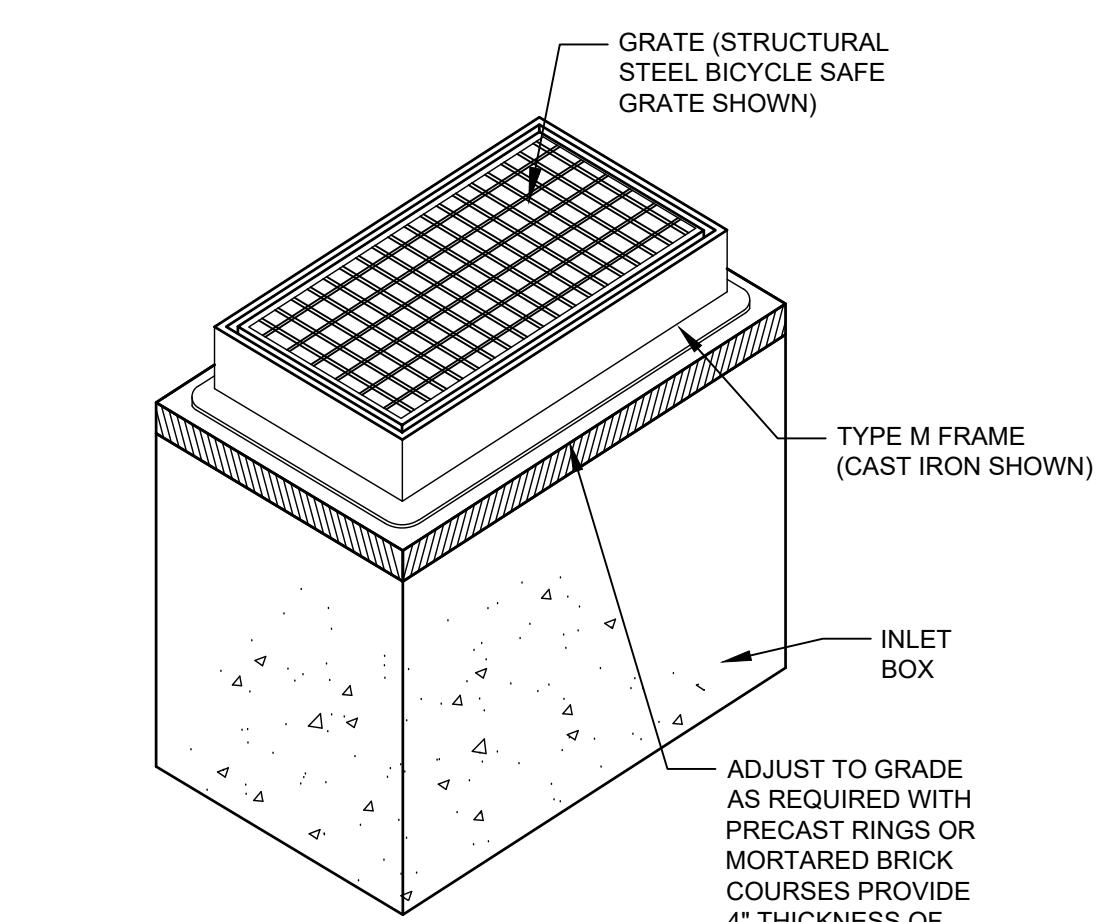
NOT TO SCALE

NOTE: WRAP BOTTOM AND SIDES OF AGGREGATE IN NON-WOVEN GEOTEXTILE.

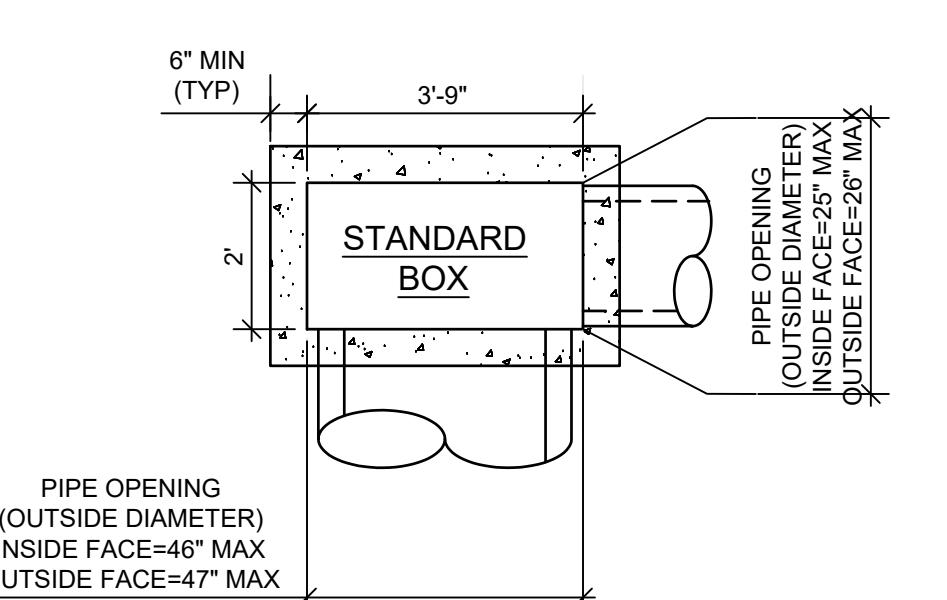


PERMEABLE CONCRETE SECTION

NOT TO SCALE

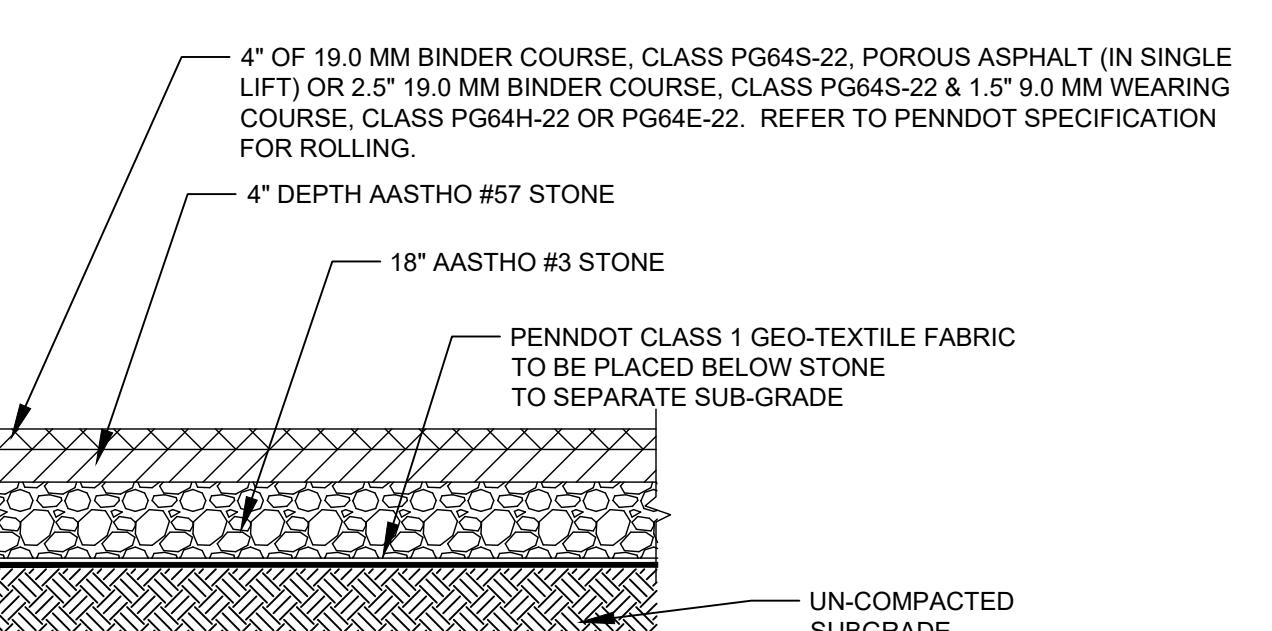


**TYPE M INLET
WITH TYPE M FRAME**



STANDARD INLET BOX

NOT TO SCALE

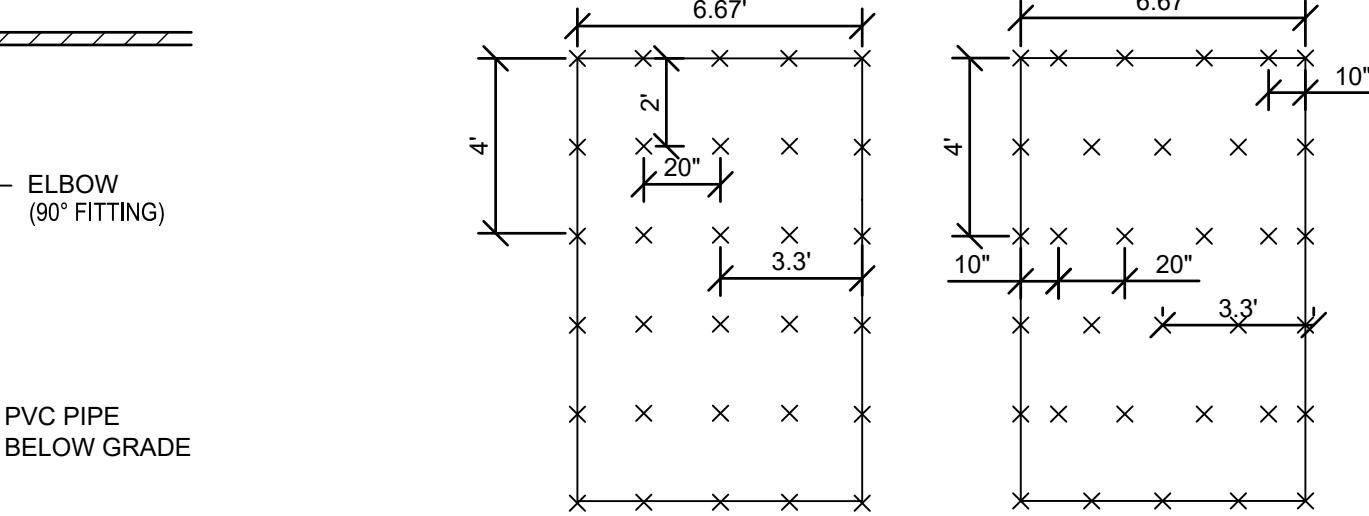


**PERMEABLE BITUMINOUS
PAVEMENT SECTION**

NOT TO SCALE

NOTE: CONTRACTOR TO INSTALL PERVIOUS PAVEMENT IN ACCORDANCE WITH THE SPECIFICATIONS OF PENNDOT PUBLICATION 400, SECTION 420. AGGREGATE MATERIAL TO MUST HAVE THE GRADATIONS AS SPECIFIED BY THE PENNDOT SPECIFICATIONS. PROVIDE EDGE RESTRAINTS WHERE PERVIOUS ASPHALT ADJOINS LANDSCAPED AREAS TO PROVIDE CLEAN, DURABLE EDGE FOR THE PAVEMENT.

1. EXCAVATE SUBGRADE TO UNDISTURBED SOIL WITHOUT COMPACTION.
2. AVOID DRIVING HAUL TRUCKS OR OTHER HEAVY EQUIPMENT THROUGH INSTALLATION AREA.
3. WHERE EROSION OF SUBGRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS, THIS MATERIAL MUST BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF SIX INCHES WITH A YORK RAKE.
4. PLACE GEOTEXTILE IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATION. FABRIC MUST BE SECURED AT LEAST 4 FEET OUTSIDE OF BED.
5. INSTALL AGGREGATE COURSE (AASHTO #3 STONE) IN LIFTS OF SIX TO EIGHT INCHES. COMPACT EACH LAYER WITH EQUIPMENT.
6. INSTALL CHOKER COURSE AGGREGATE (AASHTO #57) EVENLY OVER STONE BED SURFACE.
7. INSTALL POROUS BITUMINOUS SURFACE COURSE IN ONE LIFT. COMPACTION OF THE SURFACE COURSE MUST TAKE PLACE WHEN THE SURFACE IS COOL ENOUGH TO RESIST A TEN-TON ROLLER. A MAXIMUM OF 4 PASSES IS REQUIRED.
8. AFTER ROLLING ASPHALT, NO VEHICULAR TRAFFIC IS PERMITTED ON SURFACE FOR A MINIMUM OF 48 HOURS.
9. CONTRACTOR TO CONTACT ENGINEER TO TEST THE POROUS ASPHALT.

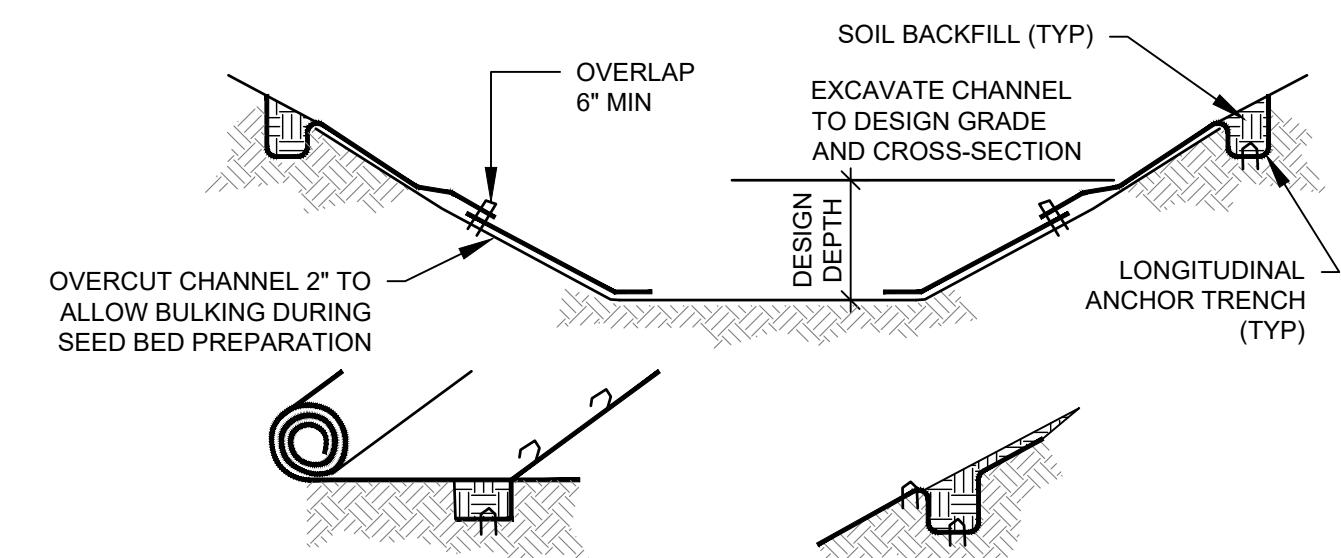


STAPLE PATTERN D

3.4 STAPLES PER SQ. YD.

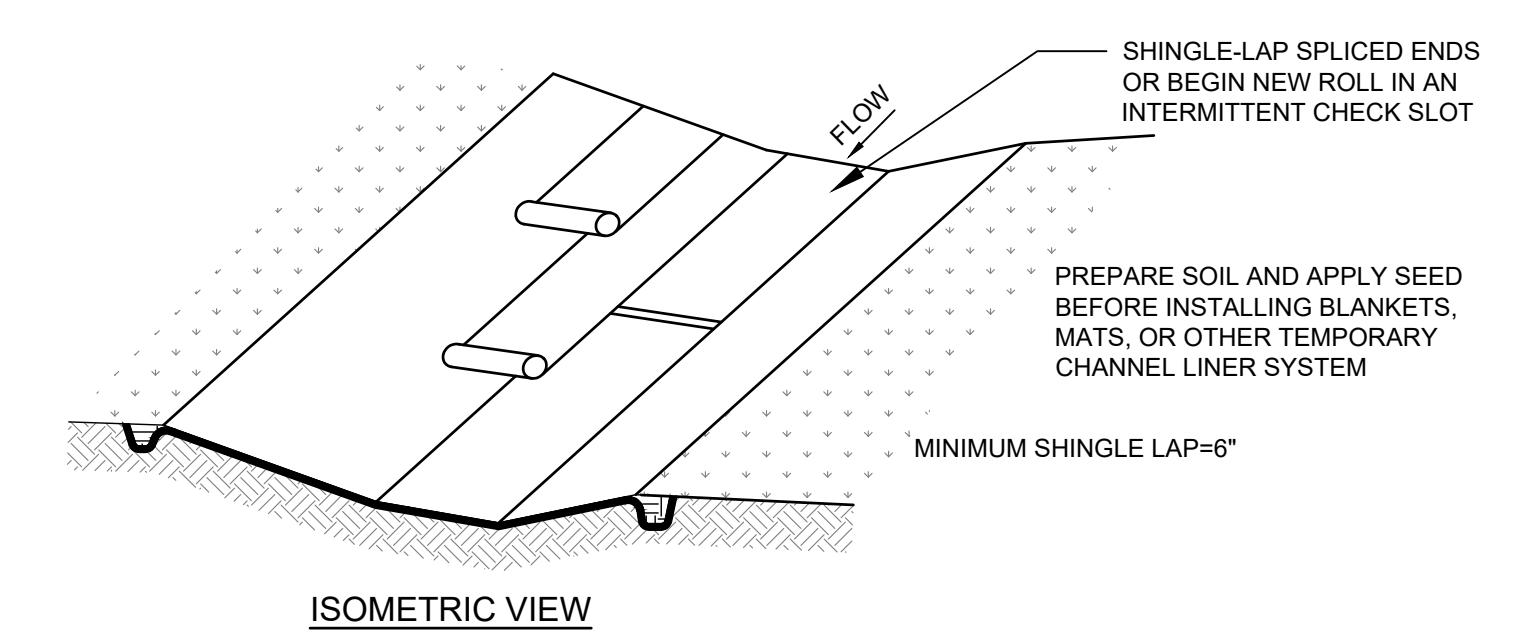
STAPLE PATTERN E

3.75 STAPLES PER SQ. YD.

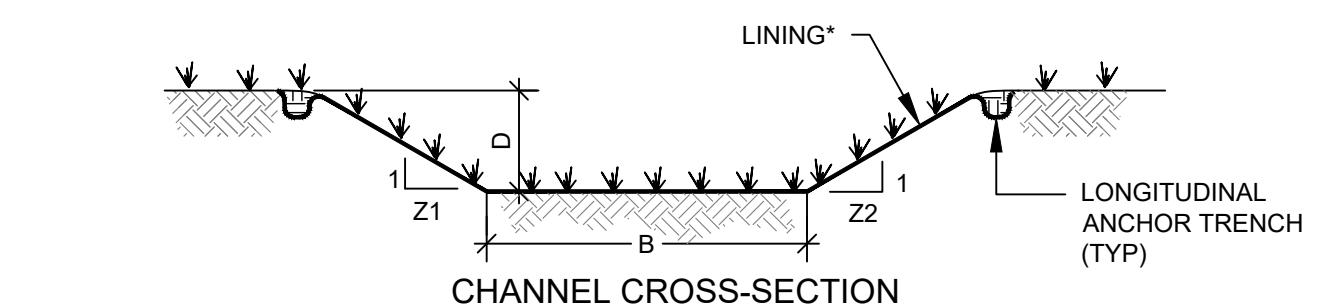


INTERMITTENT CHECK SLOT

LONGITUDINAL ANCHOR TRENCH



ISOMETRIC VIEW



**CHANNEL CROSS-SECTION
(LOOKING DOWNSTREAM)**

** DESIGN DEPTH PER CHANNEL CALCULATIONS. CONTRACTOR TO INSTALL SWALE PER THE "CONSTRUCTED DEPTH"
* SEE MANUFACTURER'S LINING INSTALLATION DETAIL FOR STAPLE PATTERNS, AND VEGETATIVE STABILIZATION
SPECIFICATIONS FOR SOIL AMENDMENTS, SEED MIXTURES, AND MULCHING INFORMATION.
NOTES:
1. ANCHOR TRENCHES SHALL BE INSTALLED AT BEGINNING AND END OF CHANNEL IN THE SAME
MANNER AS LONGITUDINAL ANCHOR TRENCHES.
2. CHANNEL DIMENSIONS SHALL BE CONSTANTLY MAINTAINED. CHANNEL SHALL BE CLEARED
WHENEVER TOTAL CHANNEL DEPTH IS REDUCED BY 25% AT ANY LOCATION. SEDIMENT DEPOSITS
SHALL BE REMOVED WITHIN 24 HOURS OF DISCOVERY OR AS SOON AS SOIL CONDITIONS PERMIT
ACCESS TO CHANNEL WITHOUT FURTHER DAMAGE. DAMAGED LINING SHALL BE REPAIRED OR
REPLACED WITHIN 48 HOURS OF DISCOVERY.

STANDARD CONSTRUCTION DETAIL # 6-1

VEGETATIVE CHANNEL

NOT TO SCALE

SWALE SCHEDULE							
CHANNEL NO.	BOTTOM WIDTH B (FT)	CONSTRUCTED DEPTH (FT)	DESIGN DEPTH** (FT)	TOP WIDTH W (FT)	Z1 (FT)	Z2 (FT)	LINING*
1	VARIABLE	1.0	0.23	*	2	2	S75, STAPLE D
2	2 MIN	1.00	0.38	7	3	2	S75 STAPLE D

* WIDTH OF CHANNEL IS VARIABLE - 2 TO 14 FEET - REFER TO GRADING PLANS

DRAWING NO.

10

PCSM BMP OWNERSHIP, OPERATION AND MAINTENANCE PROCEDURES:

GENERAL OWNERSHIP, OPERATION, AND MAINTENANCE NOTES:

- MIDDLE SMITHFIELD TOWNSHIP SHALL OWN, OPERATE AND MAINTAIN ALL STORMWATER FACILITIES ON THEIR PROPERTY. THE CURRENT OWNER OF THE PARCEL IS RESPONSIBLE FOR THE MAINTENANCE OF ALL STORMWATER FACILITIES ON THE PROPERTY.
- THE PROPOSED STORMWATER MANAGEMENT FACILITIES ARE INTENDED TO MINIMIZE THE ADVERSE EFFECTS OF DEVELOPMENT BOTH ON AND OFF THE SITE. IN ORDER FOR THE FACILITIES TO CONTINUE TO OPERATE AS INTENDED, THEY SHOULD BE INSPECTED QUARTERLY AND IMMEDIATELY AFTER MAJOR STORMS. THE PROPERTY OWNER IS RESPONSIBLE FOR OPERATION AND MAINTENANCE OF ALL STORMWATER FACILITIES LOCATED ON THE PROPERTY.
- THE COUNTY CONSERVATION DISTRICT SHALL BE INFORMED PRIOR TO ANY CHANGES TO A PCSM BMP.
- ALL BMPS WILL BE INSPECTED ON A QUARTERLY BASIS OR AFTER ANY SIGNIFICANT RAIN EVENT GREATER THAN THE 2-YEAR FREQUENCY (3.36 INCHES OF RAIN IN A 24-HOUR PERIOD) STORM EVENT UNLESS OTHERWISE NOTED IN THIS SCHEDULE.
- THE PCSM BMPS WILL BE KEPT IN THE FREE FLOW CONDITION; FREE OF DEBRIS, SEDIMENT AND OBSTRUCTIONS. IF THE PCSM BMP IS OBSTRUCTED OR IMPACTED BY DEBRIS OR SEDIMENT, MATERIAL WILL BE REMOVED. THE BMP MUST BE MAINTAINED ACCORDING TO DESIGN PROTOCOLS.
- MAINTENANCE SHALL BE IMMEDIATELY PERFORMED ON ANY MALFUNCTIONING PCSM BMP. BMPS SHALL BE REPLACED IF MAINTENANCE DOES NOT RETURN ALL DESIGN FUNCTIONS OF THE PCSM BMP.
- ANY PROPOSED PROPRIETARY BMPS SHALL BE MAINTAINED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
- DEBRIS AND LITTER REMOVAL IS IMPORTANT TO REDUCE THE CHANCE OF CLOGGING IN THE INLETS AND STORM PIPE SYSTEMS. IT ALSO HELPS TO PREVENT DAMAGE TO ADJACENT VEGETATED AREAS AND REDUCES POTENTIAL MOSQUITO BREEDING HABITATS. ALL INLETS AND OUTLETS MUST BE INSPECTED FOR DEBRIS ON A MONTHLY BASIS AND AFTER ANY 2-YEAR 24-HOUR FREQUENCY STORM EVENT OR GREATER. DEBRIS SHALL BE REMOVED WHEN ACCUMULATED TO A DEPTH ABOVE THE INLET BOX INVERT OF TWO INCHES OR GREATER. ALL REMOVED DEBRIS MUST BE DISPOSED OF PROPERLY.
- PERMANENTLY SEEDED AREAS SHOULD BE INSPECTED FOR FAILURE. IF LESS THAN 70 PERCENT OF AN AREA IS COVERED BY ESTABLISHED VEGETATION, REEVALUATE THE CHOICE OF PLANT MATERIALS AND THE QUANTITIES OF LIME AND FERTILIZER USED. REESTABLISH THE STAND AFTER THE SEEDBED IS PREPARED. IF THE SEASON PREVENTS RESOWING, MULCH OR EROSION NETTING IS AN EFFECTIVE TEMPORARY COVER.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE CONTROL FACILITIES DURING CONSTRUCTION.
- A LOG BOOK OF ALL MAINTENANCE ACTIVITIES SHALL BE KEPT ON SITE FOR ALL BMPS AT ALL TIMES TO ENSURE COMPLIANCE WITH THE PCSM PLANS THAT INCLUDES AT A MINIMUM: INSPECTION DATES, OBSERVATIONS, AND MAINTENANCE ACTIVITIES

BMP SPECIFIC INSPECTION AND MAINTENANCE NOTES

- INLETS AND PIPES MUST BE INSPECTED MONTHLY AND AFTER ANY 2-YEAR STORM FREQUENCY OR GREATER (3.36 INCHES OF RAIN IN A 24-HOUR PERIOD).
 - INSPECT INLET BOXES FOR ACCUMULATED DEBRIS AND SEDIMENT. DEBRIS MUST BE REMOVED WHEN ACCUMULATED TO A DEPTH ABOVE THE INLET BOX INVERT OF TWO INCHES OR GREATER. ALL DEBRIS MUST BE DISPOSED OF PROPERLY.
 - INSPECT INLET GRATES FOR PRESENCE OF DEBRIS THAT COULD IMPEDE INLET CAPTURE. REMOVE DEBRIS AND DISPOSE OF PROPERLY.
- MAINTENANCE ON VEGETATIVE SWALES:
 - INSPECT AND CORRECT EROSION PROBLEMS, DAMAGE TO VEGETATION, AND SEDIMENT AND DEBRIS ACCUMULATION.
 - INSPECT VEGETATION ON SIDE SLOPES FOR EROSION AND FORMATION OF RILLS OR GULLIES. CORRECT AS NEEDED. INSPECT SWALE INLETS AND OUTLET FOR SIGNS OF EROSION OR BLOCKAGE, CORRECT AS NEEDED.
 - INSPECT FOR POOLS OF STANDING WATER, DEWATER AND DISCHARGE TO AN APPROVED LOCATION AND RESTORE TO DESIGN GRADE.
 - MONITOR SWALE FOR INVASIVE SPECIES. REMOVE OR DISPOSE OF INVASIVE SPECIES, IF REQUIRED.
 - INSPECT FOR LITTER AND DISPOSE OF PROPERLY.
- MAINTENANCE OF LANDSCAPE RESTORATION (MEADOW) AREAS:
 - MONITOR SITE LANDSCAPING FOR GROWTH AND POTENTIAL PROBLEMS.
 - WATER, WEED, AND PROVIDE PROTECTION FROM ANIMALS AND INSECTS, AS REQUIRED.
- MAINTENANCE OF RAIN GARDENS:
 - CUT OR HAND PULL INVASIVE WEEDS AS NEEDED. IN THE FIRST YEAR WEEDS MUST BE CAREFULLY CONTROLLED AND CONSISTENTLY CUT BACK WHEN THEY REACH A HEIGHT OF 12 INCHES IN MAX. WEEDS SHOULD NOT BE SPRAYED WITH HERBICIDES DUE TO POSSIBILITY OF SPRAY DRIFT KILLING DESIRABLE PLANTS.
 - OUTLET STRUCTURE SHOULD BE INSPECTED AT LEAST TWO TIMES PER YEAR AND AFTER MAJOR RUNOFF EVENTS.
 - ANY BARE SPOT THAT OCCUR SHOULD BE REVEGETATED AS SOON AS POSSIBLE.
 - VEHICLES SHOULD NOT PARK OR DRIVE ON THE VEGETATIVE SWALE AREA OR RAIN GARDEN AND CARE SHOULD BE TAKEN TO AVOID EXCESSIVE COMPACTATION. MOWERS.
 - INSPECT FOR ACCUMULATION OF SEDIMENT DAMAGE TO OUTLET STRUCTURES, EROSION CONTROL MEASURES, SIGNS OF WATER CONTAMINATION/SPILLS, AND SLOPE STABILITY ON THE SIDE SLOPES.
 - REMOVE ACCUMULATED SEDIMENT FROM THE RAIN GARDEN AS REQUIRED. RESTORE ORIGINAL CROSS SECTION AND INFILTRATION RATE. PROPERLY DISPOSE OF SEDIMENT.
- MINIMIZE DISTURBED AREAS:
 - DISTURBED LIMITS SHALL BE STAKED OUT IN THE FIELD FOR EACH LOT PRIOR TO ANY EARTH DISTURBANCE (I.E. MARK WITH ORANGE CONSTRUCTION FENCING AND/OR E& PERIMETER CONTROLS). NO EARTH DISTURBANCE SHALL BE ALLOWED OUTSIDE OF THE LIMITS AS INDICATED ON THE PLANS.
 - REMOVE TREES AND VEGETATION IN AREAS ALLOCATED FOR EARTH DISTURBANCE ONLY.
 - ORANGE CONSTRUCTION FENCING TO BE PLACED AROUND AREAS OF PROPOSED INFILTRATION SO AS NOT TO COMPACT AREAS DURING CONSTRUCTION.

LONG TERM OPERATION & MAINTENANCE OF PCSM BMP'S & CO-PERMITTEE

- THE FOLLOWING ITEMS WILL NEED TO BE COMPLETED AFTER PERMIT ISSUANCE:
 - APPROVED PCSM PLAN SHALL BE RECORDED IN THE MONROE COUNTY RECORDER OF DEEDS OFFICE WITHIN 45 DAYS OF PERMIT ISSUANCE AND PRIOR TO THE SALE OF INDIVIDUAL LOTS.
 - AN "INSTRUMENT FOR THE DECLARATION OF RESTRICTION AND COVENANTS", OUTLINING THE MAINTENANCE RESPONSIBILITIES FOR STORMWATER FACILITIES TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER, SHALL BE RECORDED IN THE MONROE COUNTY RECORDER OF DEEDS OFFICE WITHIN 45 DAYS OF PERMIT ISSUANCE.
- THE FOLLOWING ITEMS WILL NEED TO BE COMPLETED AT THE TIME OF CONSTRUCTION:
 - THE SITE CONTRACTORS SHALL BECOME CO-PERMITTEES BY EXECUTING THE CO-PERMITTEE AGREEMENT.
 - THE DESIGN PROFESSIONAL SHALL PERFORM THE CRITICAL STAGE INSPECTION FOR THE PCSM BMPS TO CERTIFY THE BMPS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS.
 - IN THE EVENT THAT THE AREA OF CONCERN IS A SURFACE DISTURBED AREA, OR LAND COVER CHANGE IS GREATER THAN WHAT WAS ASSUMED IN THE STORMWATER CALCULATIONS, A PERMIT MODIFICATION ADDRESSING PCSM AND E&S CHANGES WILL BE SUBMITTED AND APPROVED BY MCD FOR APPROVAL.
 - UPON COMPLETION OF THE WORK, A NOTICE OF TERMINATION SHALL BE SUBMITTED TO MCD, INCLUDING THE RECORDING OF AS-BUILT DRAWINGS AND DESIGN PROFESSIONAL CERTIFICATIONS.

IDENTIFICATION OF CRITICAL STAGES OF BMP IMPLEMENTATION

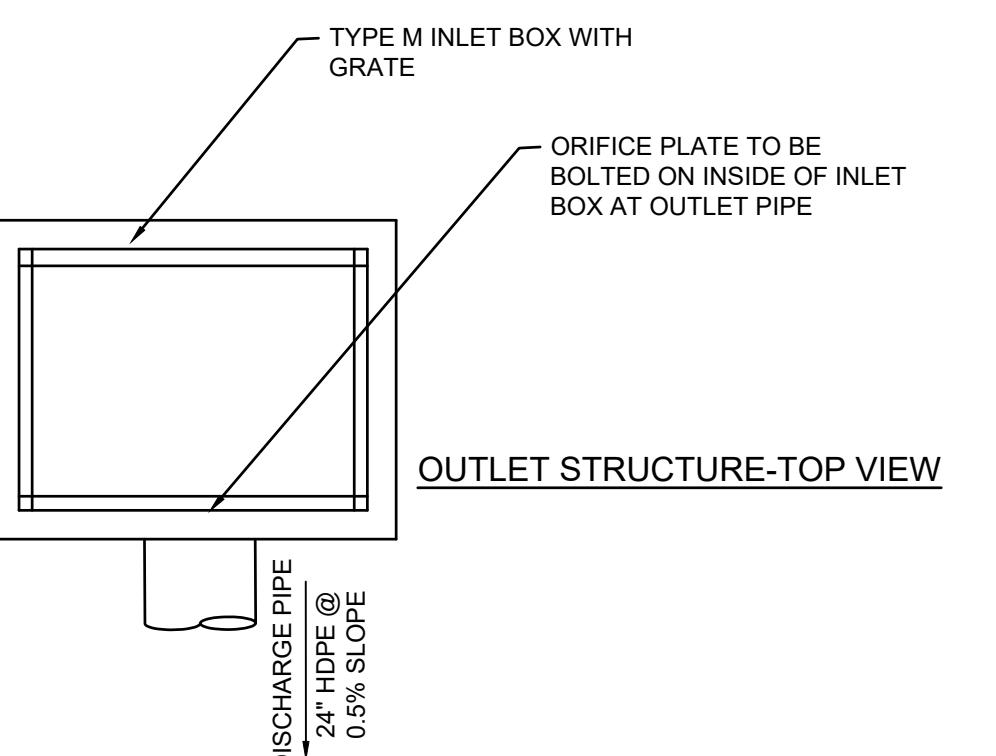
CRITICAL STAGES OF IMPLEMENTATION OF PCSM PLAN REQUIRING OVERSIGHT DURING INSTALLATION: A LICENSED PROFESSIONAL OR THEIR DESIGNEE MUST BE PRESENT AT THE SITE DURING INSTALLATION OF CRITICAL STAGES OF THE PCSM PLAN MEASURES. THE INSTALLATION OF THE STORMWATER MANAGEMENT FACILITIES WILL REQUIRE A LICENSED PROFESSIONAL OR THEIR DESIGNEE TO BE PRESENT AT THE SITE DURING INSTALLATION OF THESE PCSM PLAN MEASURES. REFER TO THE SEQUENCE OF CONSTRUCTION AS OUTLINED IN THE EROSION AND SEDIMENTATION CONTROL PLAN SHEETS FOR COORDINATION OF INSPECTION OF THESE MEASURES.

CRITICAL STAGES INCLUDE THE INSTALLATION OF THE RAIN GARDEN, SWALES, AND SUB-BASE FOR THE PERMEABLE PAVEMENT AND CONCRETE. THE ENGINEER OR PROFESSIONAL INSPECTING THE CRITICAL STAGES SHALL SUBMIT A WRITTEN REPORT AND PHOTO DOCUMENTATION OF THE CRITICAL STAGE INSPECTIONS. REPORTS AND PHOTOGRAPHS SHALL BE SUBMITTED TO MCD, IF REQUESTED.

ENGINEER TO EVALUATE EXISTING SUB-GRADE SOILS PRIOR TO PLACEMENT OF AMENDED SOIL (AT TIME OF HC TESTING). ADDITIONAL 6 INCHES OF AMENDED SOIL TO BE ADDED IF EXISTING SOIL SUB-GRADE DOES NOT MEET SAME CHARACTERISTICS OF A SOIL LOAM.

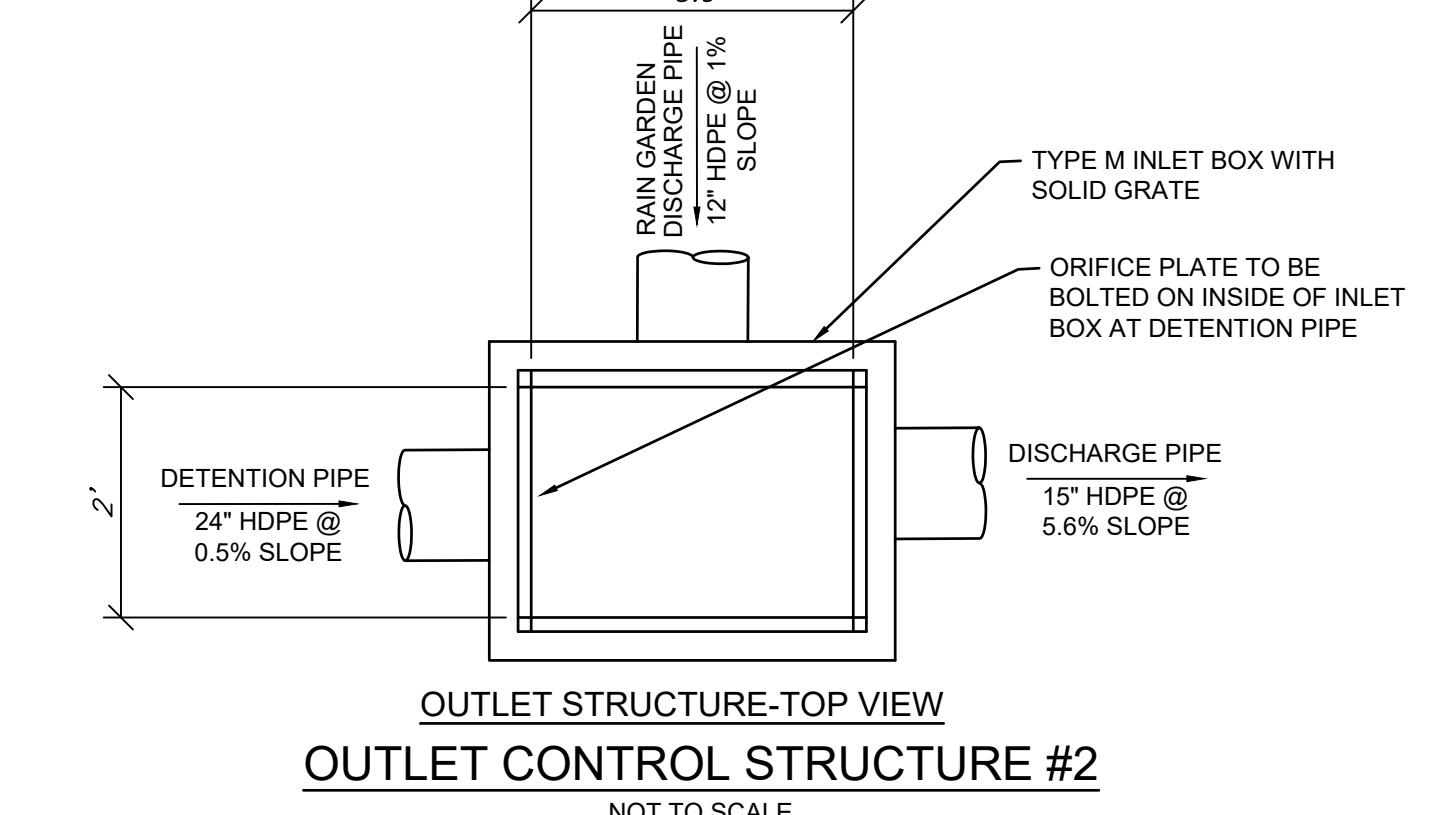
OPERATION AND MAINTENANCE FOR PERMEABLE PAVEMENT:

- VACUUM PAVEMENT 2 OR 3 TIMES PER YEAR WITH A REGENERATIVE AIR TYPE SWEEPER.
- MAINTAIN PLANTED AREAS ADJACENT TO PAVEMENT.
- IMMEDIATELY CLEAN ANY SOIL DEPOSITED ON PAVEMENT.
- PAVEMENT SHOULD NEVER BE SEAL COATED.
- DO NOT ALLOW CONSTRUCTION STAGING, SOIL/MULCH STORAGE, ETC., ON UNPROTECTED PAVEMENT STRUCTURE.
- WINTER MAINTENANCE - NO SAND OR CINDERS SHALL BE APPLIED TO THE PERVIOUS PAVEMENT. SNOW PLOWING CAN BE PERFORMED BY SETTING THE BLADE SLIGHTLY HIGHER THAN USUAL (APPROXIMATELY 1 INCH). SALT CAN BE APPLIED AS A DEICER, OR NON-TOXIC ORGANIC DEICERS, APPLIED EITHER AS BLENDED, MAGNESIUM CHLORIDE-BASED LIQUID PRODUCTS OR AS PRETREATED SALT.
- POTHOLE IN PAVEMENT - FOR DAMAGED AREAS LESS THAN 50 SQUARE FEET CAN BE PATCHED WITH STANDARD PAVEMENT OR PERMEABLE PAVEMENT. FOR DAMAGED AREAS GREATER THAN 50 SQUARE FEET, THE REPAIR SHOULD BE APPROVED BY THE ENGINEER OR OWNER.



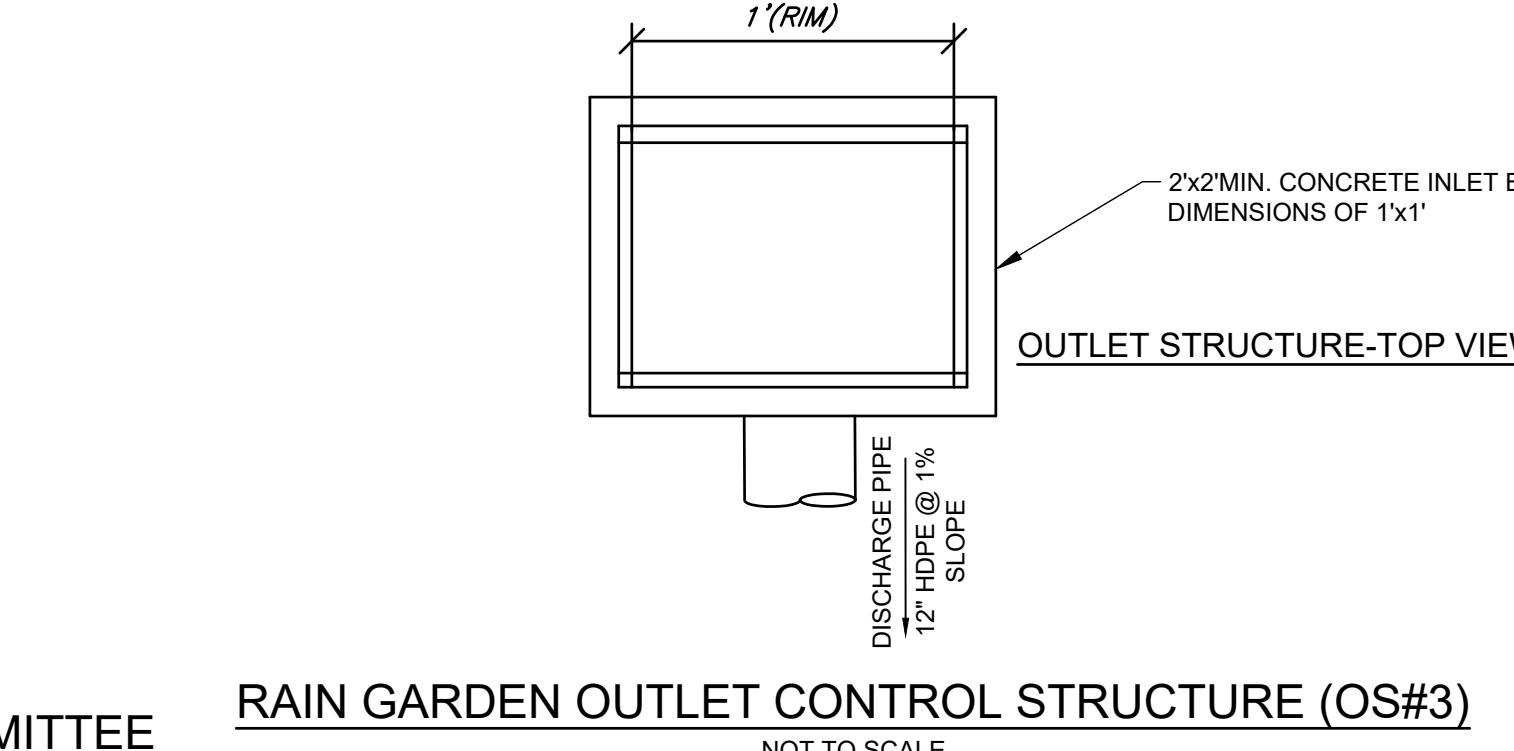
DETENTION SWALE CONTROL STRUCTURE (STRUCTURE #1)

NOT TO SCALE



OUTLET CONTROL STRUCTURE #2

NOT TO SCALE

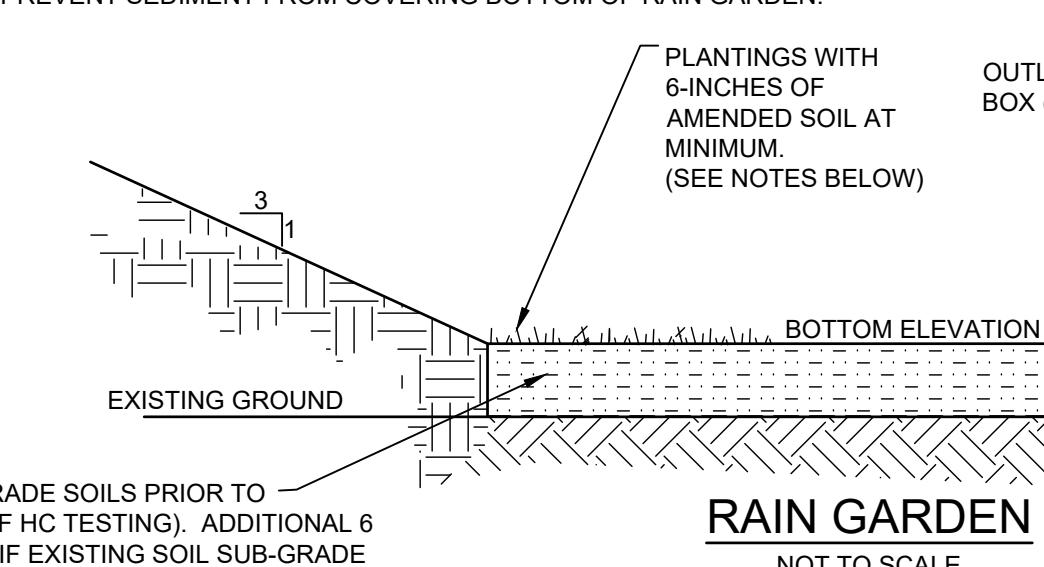


RAIN GARDEN OUTLET CONTROL STRUCTURE (OS#3)

NOT TO SCALE

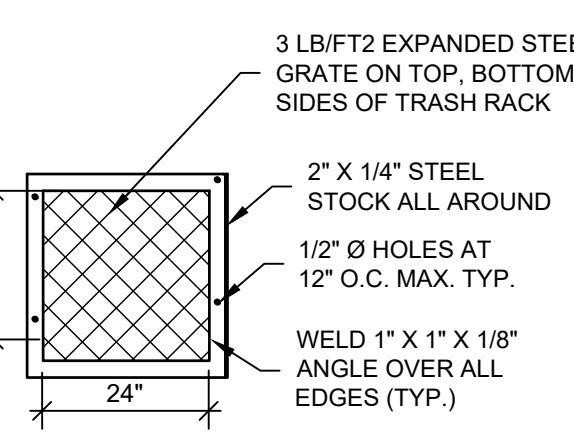
CONSTRUCTION NOTES:

- PROTECT INFILTRATION AREA FROM COMPACTION PRIOR TO AND DURING CONSTRUCTION ACTIVITIES.
- UTILIZE WEIGHT DISPERSING MACHINERY DURING CONSTRUCTION OF AREA OR CONSTRUCT SYSTEM FROM OUTSIDE OF FOOTPRINT. INSTALL ROOF DRAINS TO DISCHARGE TO RAIN GARDEN.
- INSTALL RAIN GARDEN TO SPECIFIED DIMENSIONS. CONTRACTOR TO CONTACT ENGINEER TO PERFORM 2 INFILTRATION TESTS ON THE RAIN GARDEN BOTTOM SUBGRADE. INSTALL OUTLET CONTROL STRUCTURE AND OUTLET PIPE.
- THOROUGHLY MIX EXCAVATED TOPSOIL WITH SAND (PER SPECIFICATIONS). PLACE SOIL MIX IN AREAS FOR FILL FROM EXISTING GRADE. PLACE SOIL MIX TO REQUIRED DEPTH TO MEET BOTTOM OF PROPOSED RAIN GARDEN ELEVATION. TILL BOTTOM 4-6 INCHES INTO EXISTING GROUND. CONTRACTOR TO CONTACT ENGINEER TO PERFORM 2 ADDITIONAL TESTS ON THE RAIN GARDEN SOIL AMENDMENT AREAS. ENGINEER TO FORWARD TEST RESULTS TO MCD FOR APPROVAL.
- INSTALL SEED, MATTING AND MULCH TO STABILIZE ALONG SLOPES. LIGHTLY COMPACT. DO NOT HYDROSEED. HAND BROADCAST OR MECHANICALLY BROADCAST GRASS MIX. INSTALL RAIN GARDEN PLANTS OR MEADOW SEED MIX IN BOTTOM OF RAIN GARDEN ACCORDINGLY. KEEP WATERED FOR FIRST 4 TO 6 WEEKS AFTER INITIAL SEEDING.
- PREPARE SEDIMENT FROM COVERING BOTTOM OF RAIN GARDEN.



RAIN GARDEN

NOT TO SCALE



ORIFICE TRASH RACK DETAIL (OS#1)

NOT TO SCALE

NOTES:

- TRASH RACK TO BE CENTERED OVER ORIFICE.
- STEEL TO CONFORM TO ASTM A-36.
- ALL SURFACES TO BE COATED WITH ZRC COLD GALVANIZING COMPOUND AFTER WELDING.
- TRASH RACK TO BE FASTENED TO THE WALL WITH 1/2" MASONRY ANCHORS. TRASH RACK TO BE REMOVABLE.

GENERAL NOTES:

PRUNE SHRUBS ONLY TO REMOVE DEAD, DAMAGED OR INTERFERING LIMBS. DO NOT REMOVE ALL BRANCH TIPS.

REMOVE WIRE FROM ROOT BALL. CUT AND REMOVE ROPE OR BURLAP TOP 1/2 OF BALL OR REMOVE CONTAINER PLANTS FROM POTS, GENTLY SEPARATE ROOTS THAT ARE CROWDED OR COILED ON THE BOTTOM.

ROOT FLARE / COLLAR SHALL BE LEVEL WITH OR EXTEND 1" TO 2" ABOVE FINISHED GRADE. REMOVE EXCESS SOIL FROM TOP OF BALL.

3" MIN. MULCH DEPTH. PULL BACK 3"-6" FROM BASE OF SHRUB.

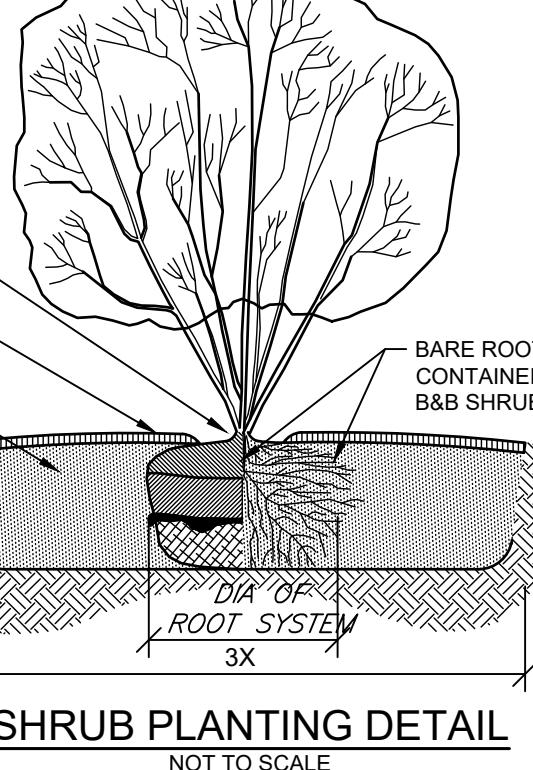
PLANTING MIXTURE BACKFILLED. LIGHTLY TAMP WITH A MANUAL TAMPER IN 6" LIFTS TO ELIMINATE AIR POCKETS.

SCARIFY SIDES OF PIT TO DEPTH OF 1" MIN. PRIOR TO BACKFILLING.

1 PART ORGANIC; 3 PARTS TOPSOIL.

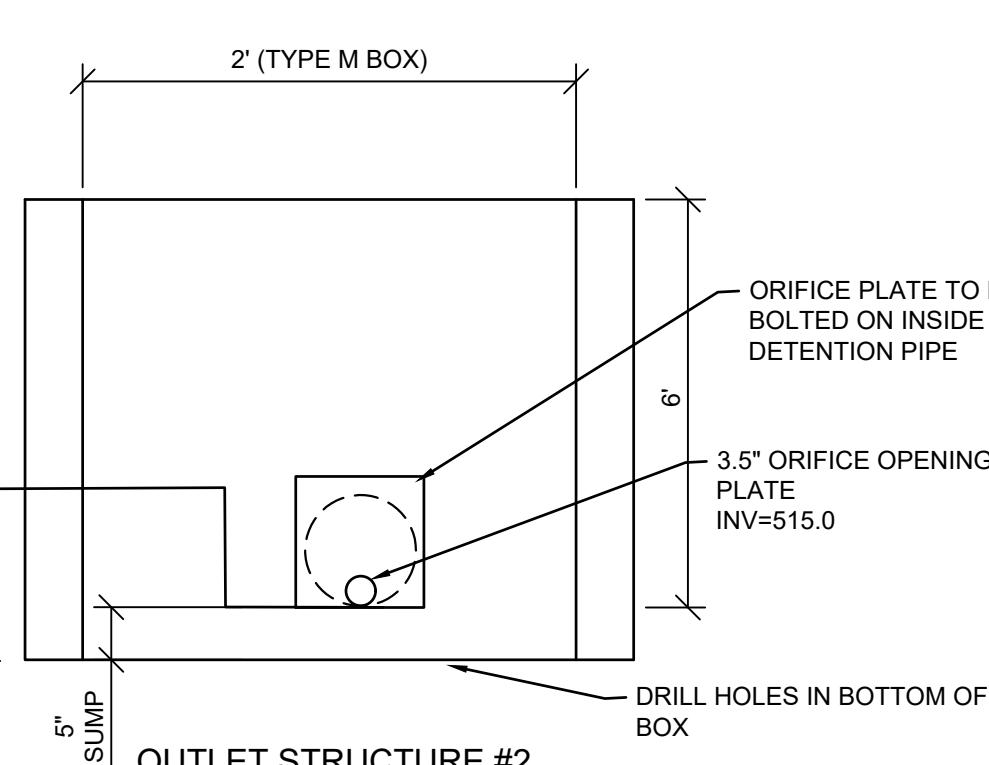
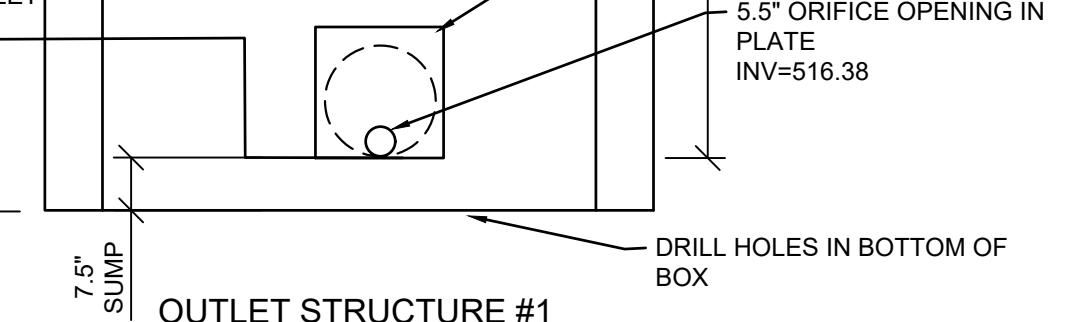
EXISTING SUBGRADE. UNDISTURBED SOIL TO SUPPORT THE ROOT BALL AND REDUCE SETTLING.

3X



SHRUB PLANTING DETAIL

NOT TO SCALE



OUTLET STRUCTURE #2

NOT TO SCALE

GENERAL NOTES:

PRUNE SHRUBS ONLY TO REMOVE DEAD, DAMAGED OR INTERFERING LIMBS. DO NOT REMOVE ALL BRANCH TIPS.

REMOVE WIRE FROM ROOT BALL. CUT AND REMOVE ROPE OR BURLAP TOP 1/2 OF BALL OR REMOVE CONTAINER PLANTS FROM POTS, GENTLY SEPARATE ROOTS THAT ARE CROWDED OR COILED ON THE BOTTOM.

ROOT FLARE / COLLAR SHALL BE LEVEL WITH OR EXTEND 1" TO 2" ABOVE FINISHED GRADE. REMOVE EXCESS SOIL FROM TOP OF BALL.

3" MIN. MULCH. PULL BACK 3"-6" FROM BASE OF SHRUB.

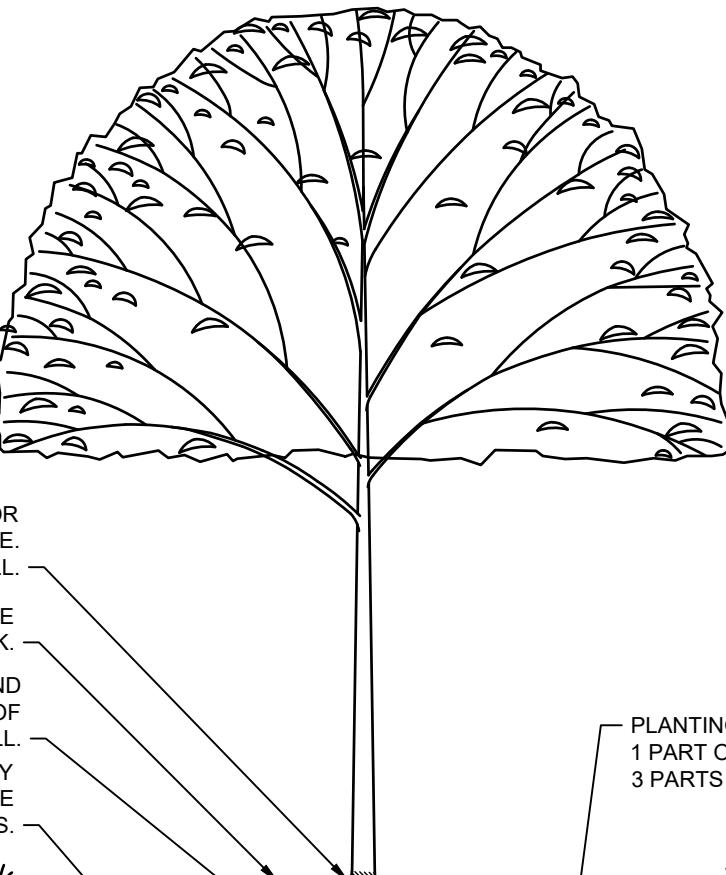
PLANTING MIXTURE. LIGHTLY TAMP IN 6" LIFTS TO ELIMINATE AIR POCKETS.

SCARIFY SIDES OF PIT TO DEPTH OF 1" MIN. PRIOR TO BACKFILLING.

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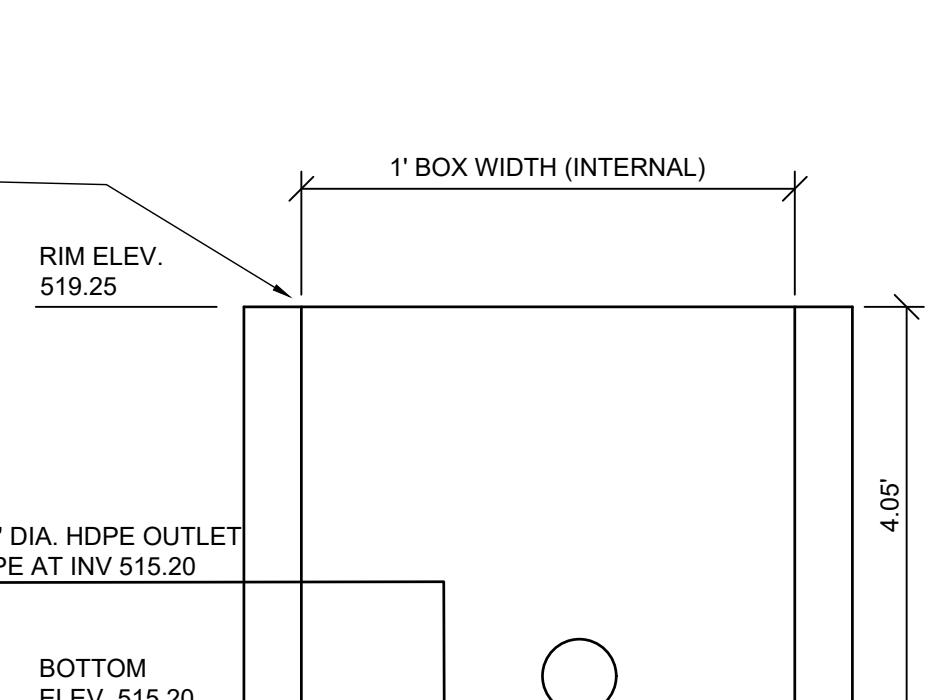
EXISTING SUBGRADE. UNDISTURBED SOIL TO SUPPORT THE ROOT BALL AND REDUCE SETTLING.

3X



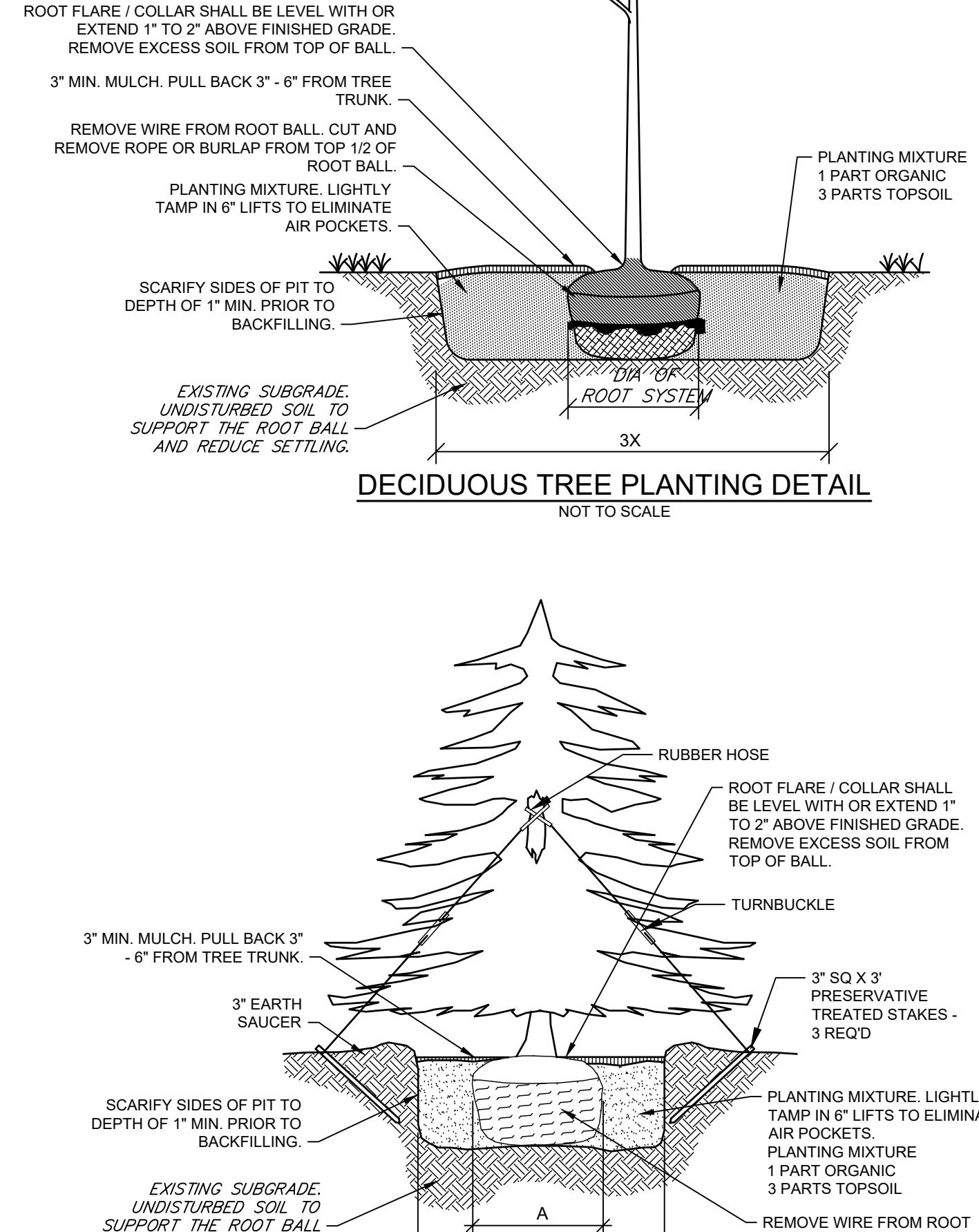
DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE



OUTLET STRUCTURE #3

NOT TO SCALE



EVERGREEN TREE GUYING

NOT TO SCALE

- MONITOR TREES REGULARLY FOR GROWTH AND POTENTIAL PROBLEMS.
- ALL TREES SHOWN ON THE PLANS SHALL BE PERPETUALLY MAINTAINED BY THE PROPERTY OWNER. ANY LANDSCAPING THAT DIES, IS REMOVED, OR IS SEVERELY DAMAGED SHALL BE REPLACED BY THE PROPERTY OWNER, ON A ONE-TO-ONE BASIS, AS SOON AS PRACTICAL, CONSIDERING GROWING SEASONS, WITHIN A MAXIMUM OF 150 DAYS.
- PROVIDE INITIAL ROUTINE MAINTENANCE FOR THE FIRST 2-3 YEARS OR UNTIL TREE CANOPY BEGINS TO FORM, INCLUDING REGULAR WATERING, IF NEEDED.
- APPLICATION OF A CAREFULLY SELECTED HERBICIDE (ROUNDUP) AROUND THE PROTECTIVE TREE SHELTERS/TUBES SHALL BE USED.

DRAWING NO.

11

PCSM DETAILS FOR WINDS WEST, INC. SELF-STORAGE UNITS

D&D
ENGINEERING & GENERAL CONSTRUCTION

548 SKYHAWK TRAIL
STROUDSBURG, PA 18360
PHONE: (570) 336-7058
DEANNA SCHMOYER

PROJECT NO.

DATE

1/4/2021

REVISIONS

NO. DATE

1 3/1/2021 PER TOWNSHIP ENGINEERS & MCD REVIEW

2 6/7/2021 PER TOWNSHIP ENGINEERS & MCD REVIEW

3 6/7/2021 PER TOWNSHIP ENGINEERS & MCD REVIEW



**D&D
ENGINEERING
&
GENERAL
CONSTRUCTION**

548 SKYHAWK TRAIL
STROUDSBURG, PA

PHONE: (570)236-7058
DEANNA.SCHMOYER@YAHOO.COM

PROJECT NO.

DATE
1/4/2021



REVISIONS
NO. DATE
1 3/15/2021 PER TOWNSHIP ENGINEERS & MCOD REVIEW
2 6/7/2021 PER TOWNSHIP ENGINEERS & MCOD REVIEW

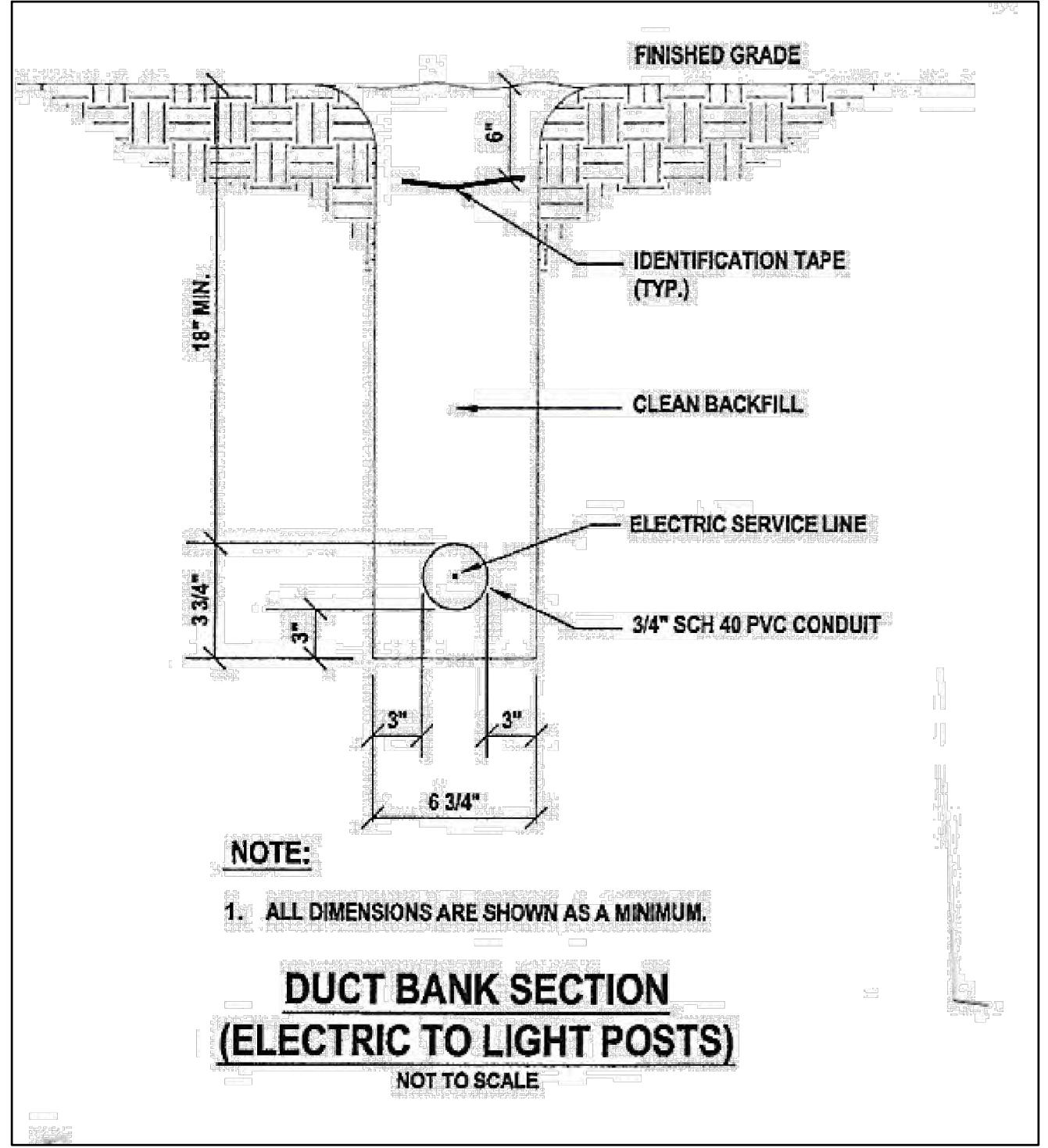
**SITE DETAILS
FOR
WINDS WEST, INC.
SELF-STORAGE UNITS
MIDDLE SMITHFIELD TOWNSHIP, MONROE COUNTY, PA**

DRAWING NO.

13

LIGHTING DETAILS

- ALL LIGHTING TO BE DIFFUSED SO BULBS ARE NOT VISIBLE FROM ADJACENT PROPERTIES OR ROADS AND PROPERLY SHIELDED. SUBSTITUTIONS OF LIGHTING IS PERMISSIBLE AS LONG AS LIGHTS MEET FOOT-CANDLE REQUIREMENTS AND THE REQUIREMENTS SPECIFIED IN THE TOWNSHIP ORDINANCE FOR CONTROLLING LIGHT AND GLARE.



**DUCT BANK SECTION
(ELECTRIC TO LIGHT POSTS)**

NOT TO SCALE

LITEPAK SERIES LNC2		HUBBELL Outdoor Lighting	
Cat.#	Job	Type	Approvals
SPECIFICATIONS			
Intended Use: The compact LED LNC2 is designed for perimeter illumination for safety, security and identity. This compact fixture is designed for mounting up to 15ft. Units are supplied with an acrylic diffuser accessory that can be used for lower LED brightness near building entrance and pedestrian areas. Units have protective polyester finish for long lasting appearance.			
Construction: Decorative die-cast aluminum housing protects components and provides an architectural appearance. Quality materials and construction ensure long performance and long life. Powder paint finish provides durability in outdoor environments.			
Electrical: <ul style="list-style-type: none"> • 120V-277V universal voltage 50/60Hz 0-10V dimming drivers • 347V and 480V dimmable driver option in 12L, 24L, 36L, 48L, 60L, 72L, 84L, 96L, 108L, 120L, 132L, 144L, 156L, 168L, 180L, 192L, 204L, 216L, 228L, 240L, 252L, 264L, 276L, 288L, 290L, 302L, 314L, 326L, 338L, 350L, 362L, 374L, 386L, 398L, 410L, 422L, 434L, 446L, 458L, 470L, 482L, 494L, 506L, 518L, 530L, 542L, 554L, 566L, 578L, 590L, 602L, 614L, 626L, 638L, 650L, 662L, 674L, 686L, 698L, 710L, 722L, 734L, 746L, 758L, 770L, 782L, 794L, 806L, 818L, 830L, 842L, 854L, 866L, 878L, 890L, 902L, 914L, 926L, 938L, 950L, 962L, 974L, 986L, 998L, 1010L, 1022L, 1034L, 1046L, 1058L, 1070L, 1082L, 1094L, 1106L, 1118L, 1130L, 1142L, 1154L, 1166L, 1178L, 1190L, 1202L, 1214L, 1226L, 1238L, 1250L, 1262L, 1274L, 1286L, 1298L, 1310L, 1322L, 1334L, 1346L, 1358L, 1370L, 1382L, 1394L, 1406L, 1418L, 1430L, 1442L, 1454L, 1466L, 1478L, 1490L, 1502L, 1514L, 1526L, 1538L, 1550L, 1562L, 1574L, 1586L, 1598L, 1610L, 1622L, 1634L, 1646L, 1658L, 1670L, 1682L, 1694L, 1706L, 1718L, 1730L, 1742L, 1754L, 1766L, 1778L, 1790L, 1802L, 1814L, 1826L, 1838L, 1850L, 1862L, 1874L, 1886L, 1898L, 1910L, 1922L, 1934L, 1946L, 1958L, 1970L, 1982L, 1994L, 2006L, 2018L, 2030L, 2042L, 2054L, 2066L, 2078L, 2090L, 2102L, 2114L, 2126L, 2138L, 2150L, 2162L, 2174L, 2186L, 2198L, 2210L, 2222L, 2234L, 2246L, 2258L, 2270L, 2282L, 2294L, 2306L, 2318L, 2330L, 2342L, 2354L, 2366L, 2378L, 2390L, 2402L, 2414L, 2426L, 2438L, 2450L, 2462L, 2474L, 2486L, 2498L, 2510L, 2522L, 2534L, 2546L, 2558L, 2570L, 2582L, 2594L, 2606L, 2618L, 2630L, 2642L, 2654L, 2666L, 2678L, 2690L, 2702L, 2714L, 2726L, 2738L, 2750L, 2762L, 2774L, 2786L, 2798L, 2810L, 2822L, 2834L, 2846L, 2858L, 2870L, 2882L, 2894L, 2906L, 2918L, 2930L, 2942L, 2954L, 2966L, 2978L, 2990L, 3002L, 3014L, 3026L, 3038L, 3050L, 3062L, 3074L, 3086L, 3098L, 3110L, 3122L, 3134L, 3146L, 3158L, 3170L, 3182L, 3194L, 3206L, 3218L, 3230L, 3242L, 3254L, 3266L, 3278L, 3290L, 3302L, 3314L, 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