

LOCATION MAP
SCALE 1" = 2,000'

TEST LOCATION	GROUND SURFACE ELEVATION	TEST ELEVATION	INFILTRATION RATE (IN/HR)
DR-101A	289.00	286.00	1.50
DR-101B	289.00	286.00	1.25
DR-102A	289.00	286.00	0.75
DR-102B	289.00	286.00	0.50
DR-103A	290.00	286.00	2.00
DR-103B	290.00	286.00	1.50
DR-104A	279.50	277.00	0.25
DR-104B	279.50	277.00	0.25
DR-105A	280.00	277.00	0.25
DR-105B	280.00	277.00	0.38
DR-106A	292.00	289.00	0.50
DR-106B	292.00	289.00	0.75

THE INFILTRATION TEST LOCATIONS WERE PLOTTED ON THESE PLANS BASED ON INFORMATION PROVIDED BY EARTH ENGINEERING INCORPORATED IN THEIR INFILTRATION INVESTIGATION SUMMARY LETTER DATED MAY 9, 2023.

SOIL CLASSIFICATIONS

BwA BUCKINGHAM SILT LOAM
0%-3% SLOPES
HYDROLOGIC SOIL GROUP: B/D

LaB LANSDALE LOAM
3%-8% SLOPES
HYDROLOGIC SOIL GROUP: B

UdtB UDORTHENTS, SHALE AND SANDSTONE
0%-8% SLOPES
HYDROLOGIC SOIL GROUP: C

UgB URBAN LAND
0%-8% SLOPES
HYDROLOGIC SOIL GROUP: C

UusB URBAN LAND-UDORTHENTS, SHALE AND SANDSTONE COMPLEX
0%-8% SLOPES
HYDROLOGIC SOIL GROUP: A

PCSM LEGEND

PROJECT SITE BOUNDARY: - - - - -

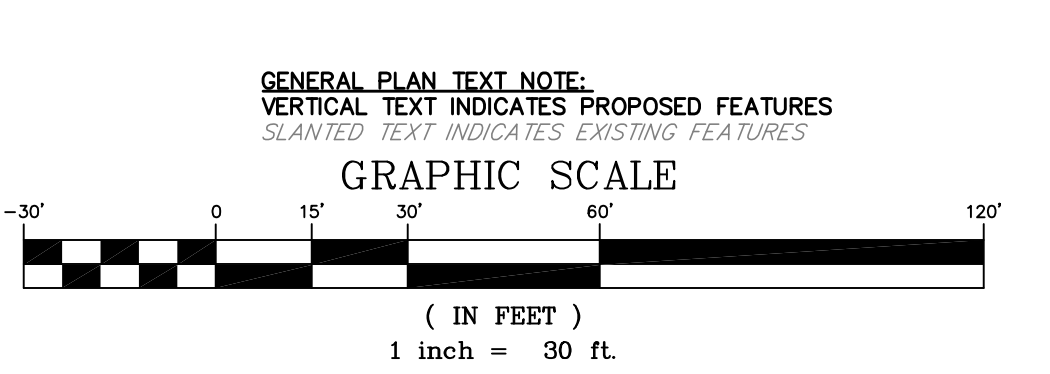
LIMIT OF DISTURBANCE:

TEST PIT LOCATION: TP-101

DOUBLE-RING INFILTRATION TEST LOCATION: DR-101A, DR-101B

LEGEND

	EXISTING	PROPOSED
BOUNDARY LINE	---	---
ADJOINING LOT LINE	---	---
RIGHT-OF-WAY	---	---
IRON PIN/CONCRETE MONUMENT	⊙ IP	⊙ IP
BUILDING RESTRICTION LINE	---	---
EASEMENT	---	---
FENCE	---	---
SIGNS	---	---
CURBING	---	---
CONCRETE	---	---
BUILDING	---	---
STORM PIPE/INLET/MANHOLE	---	---
SANITARY PIPE/MANHOLE/CLEAN OUT	---	---
WATER LINE/HYDRANT/VALVE	---	---
GAS LINE & VALVE	---	---
OVERHEAD ELECTRIC	---	---
UNDERGROUND ELECTRIC	---	---
UNDERGROUND COMMUNICATION	---	---
UTILITY POLE	---	---
LIGHT POLE	---	---
TREES/SHRUBS	---	---
TREE LINE	---	---
CONTOUR	---	---
SPOT FLOODPLAN	---	---



UNDERGROUND DETENTION/INFILTRATION BASIN OWNERSHIP, OPERATIONS, AND MAINTENANCE PROCEDURES

- OWNERSHIP, OPERATION, AND MAINTENANCE OF THE UNDERGROUND BASIN (BMP 2) SHALL BE THE RESPONSIBILITY OF UPPER DUBLIN TOWNSHIP OR THE FUTURE PROPERTY OWNERS.
- OUTLET STRUCTURE AND UPSTREAM STORM STRUCTURES SHALL BE INSPECTED AND CLEANED ON A BI-ANNUALLY AND AFTER EACH RAINFALL EVENT OF A 2-YEAR STORM OR GREATER.
- SHOULD THE INFILTRATION BASIN (BMP 2) FAIL, WHICH WOULD BE IF THE INFILTRATION BEDS DO NOT DEWATER WITHIN A WEEK OF THE LAST RAINFALL EVENT, THEN CORRECTIVE ACTION MUST BE TAKEN. THIS CAN BE EITHER A RECONSTRUCTION OF THE BASIN OR CONVERSION OF BASIN TO A SLOW RELEASE BASIN.

PLAN PREPARER:
JUSTIN MASSIE
TERRAFORM ENGINEERING, LLC
ONE EAST BROAD STREET
SUITE 330
BETHLEHEM, PA 18018

RESPONSIBLE PARTY:
UPPER DUBLIN TOWNSHIP
370 COMMERCE DRIVE
FORT WASHINGTON, PA 19034
PHONE: 215-643-1600

RECEIVING WATERCOURSE: UNT TO WISSAHICKON CREEK
CHAPTER 93 CLASSIFICATION: TSF, MF

PROJECT SITE AREA = 10.489 ACRES

LIMIT OF DISTURBANCE = 6.462 ACRES

NO WETLANDS ARE LOCATED WITHIN THE PROJECT AREA

CRITICAL STAGES SCHEDULE

THE FOLLOWING FEATURES SHALL BE INSPECTED FOR VERIFICATION OF CONSTRUCTION CONFORMANCE BY A DESIGNATED LICENSED PROFESSIONAL OR THE LICENSED PROFESSIONAL'S DESIGNEE:

- UNDERGROUND INFILTRATION/RETENTION BASIN (BMP 2)
- SUMP W/ SNOUT (BMP 1)

NOTE:

"PURSUANT TO THE REQUIREMENTS OF ACT 287 OF 1974 AND AS LAST AMENDED BY ACT 181 OF 2006 THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ON THESE PLANS HAVE BEEN DEVELOPED FROM EXISTING UTILITY RECORDS AND/OR ABOVE-GROUND EXAMINATIONS OF THE SITE. COMPLETENESS, ACCURACY, LOCATION AND DEPTH OF UNDERGROUND UTILITIES OR STRUCTURES CANNOT BE GUARANTEED. THE CONTRACTORS, AT LEAST THREE (3) DAYS PRIOR TO PERFORMING ANY EXCAVATIONS, SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ALL UNDERGROUND FACILITIES LOCATED WITHIN THE VICINITY OF THE WORK SITE IN ACCORDANCE WITH ACT 181. (PA ONE CALL SYSTEM, INC. 1-800-242-1776)."

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

Terraform Engineering, LLC
ONE EAST BROAD STREET, SUITE 330
BETHLEHEM, PA 18018
PHONE: 610-666-8822
WWW.TERRAFORMENGINEERING.COM

GODSHALL KANE OROURKE ARCHITECTS, LLC
300 BROOKSIDE AVENUE, BUILDING 18, SUITE 150
AMBER, PA 19002
W: GKORARCHITECTS.COM
T: 215.646.2003

GKO ARCHITECTS

PRELIMINARY/FINAL

UPPER DUBLIN TOWNSHIP
MUNICIPAL BUILDING
UPPER DUBLIN TOWNSHIP
MONTGOMERY COUNTY
801 LOCH ALSH AVE
19034
PENNSYLVANIA

REVISIONS

SHEET TITLE

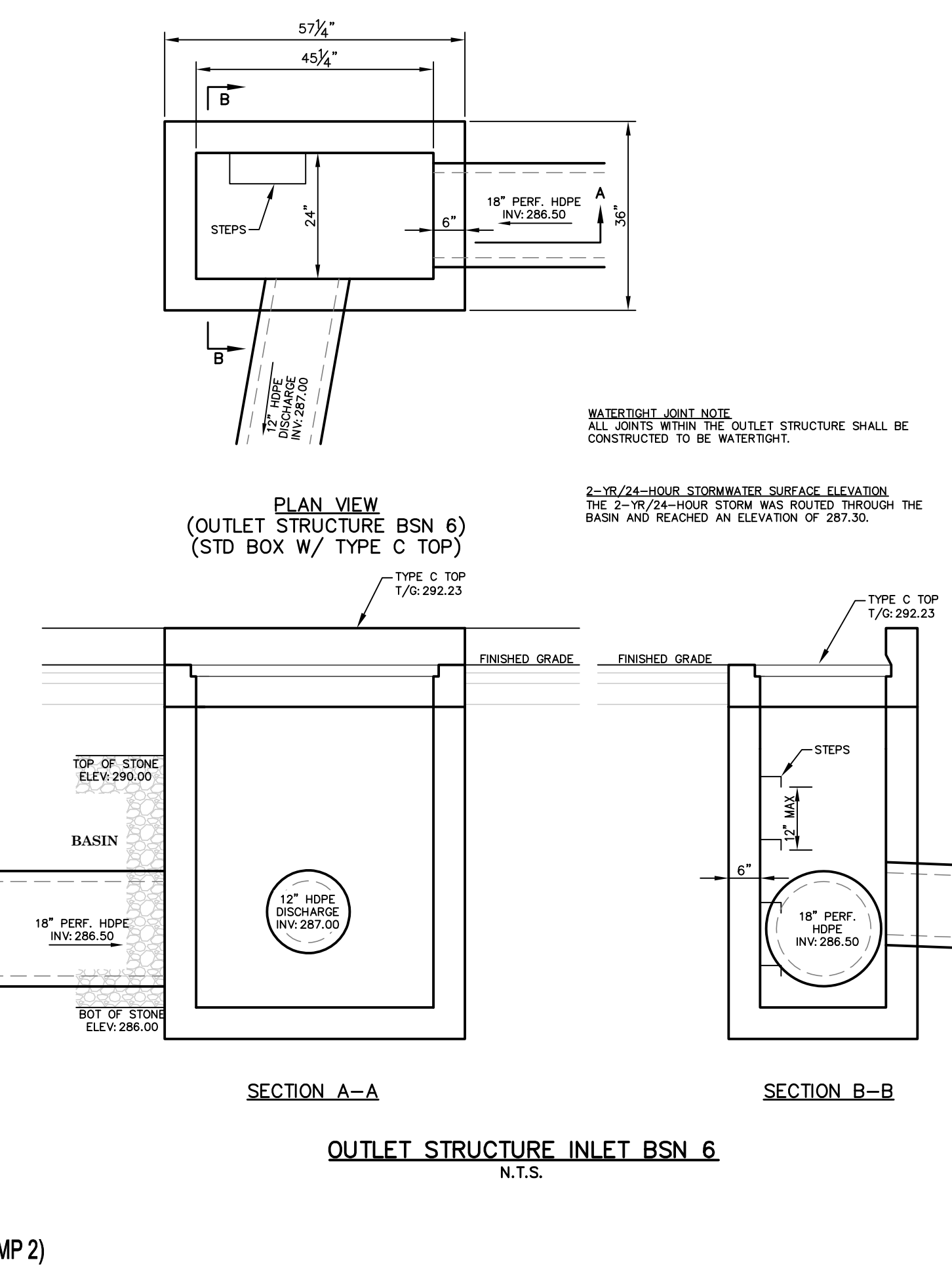
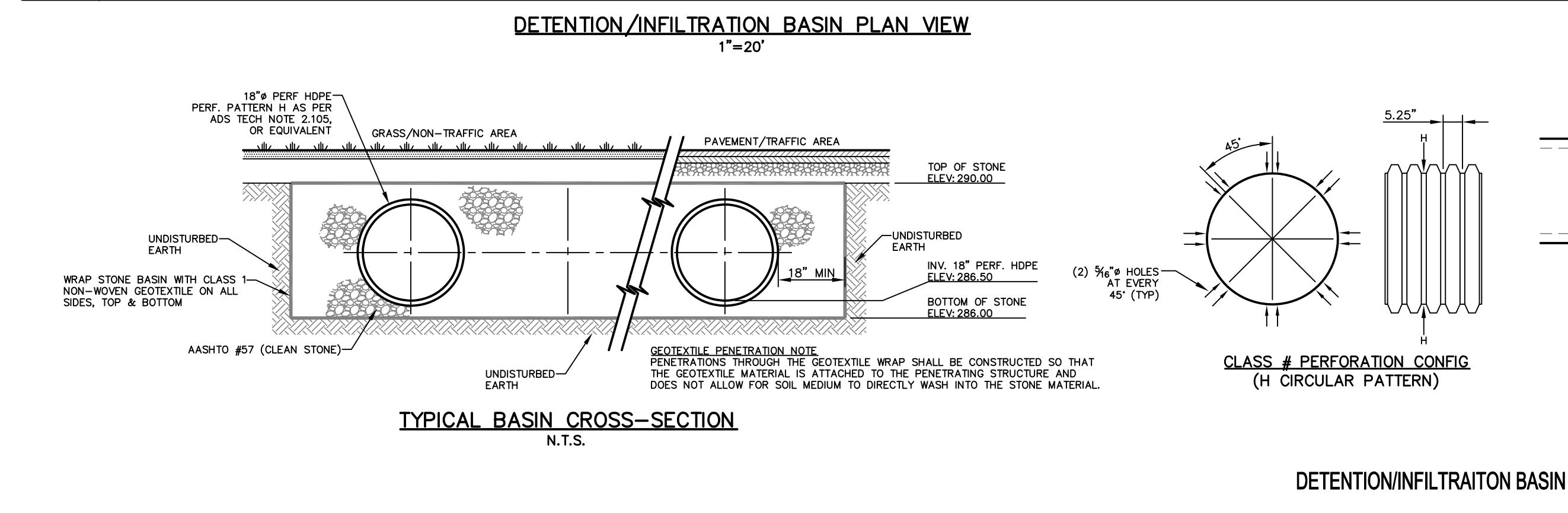
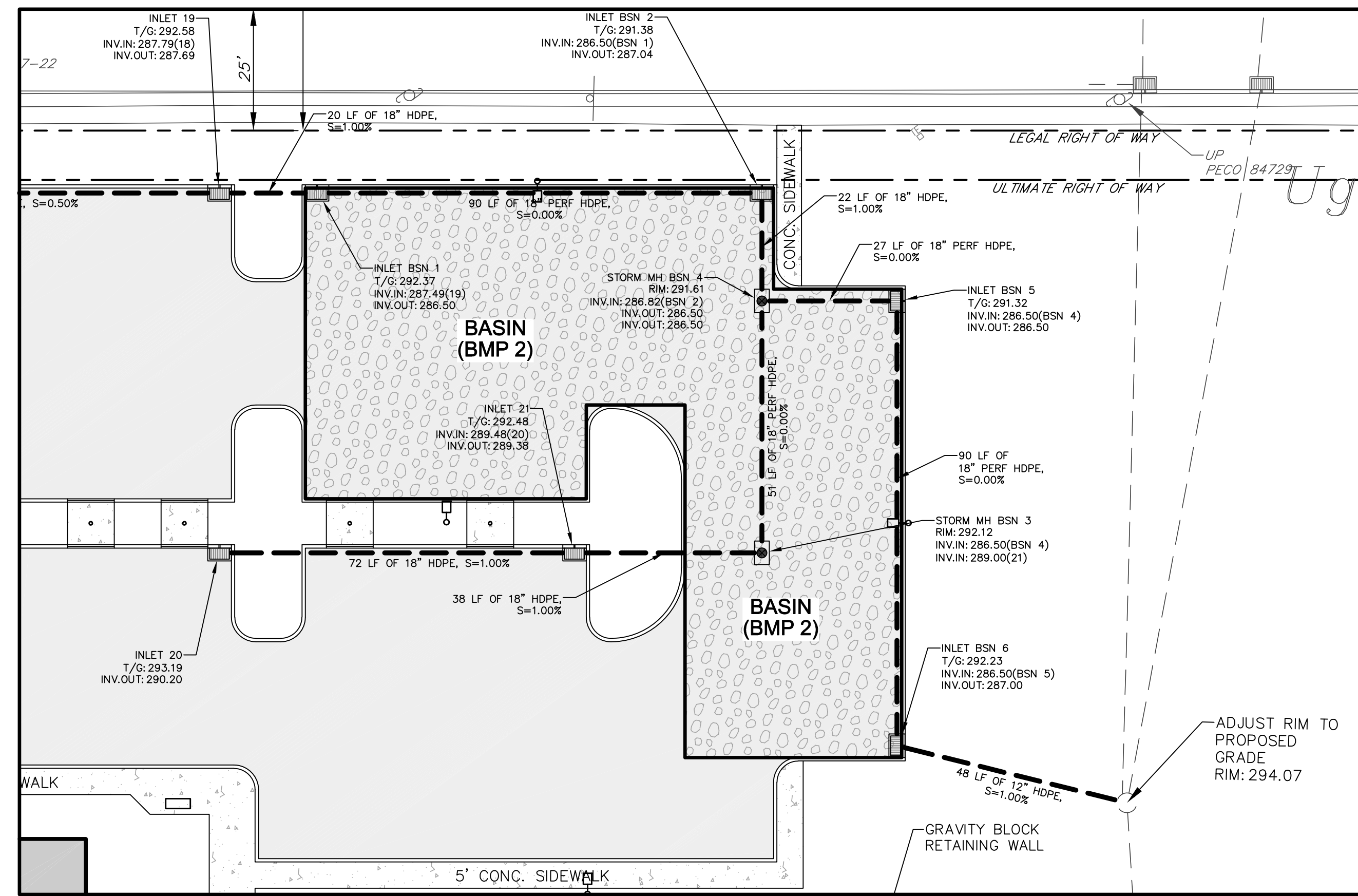
POST-CONSTRUCTION STORM WATER MANAGEMENT PLAN

C701

SHEET 17 of 22

LAND DEVELOPMENT

JOB #	2539
SCALE	1" = 30'
DATE	05/25/2023



SEEDING SCHEDULE

NOTE: THE FOLLOWING SEEDING SCHEDULE SHALL BE USED UNLESS OTHERWISE NOTED.

TEMPORARY COVER FOR EROSION CONTROL

INITIAL PROTECTION: USE INERT SEEDING IS TO BE DELAYED, MAY OR STRAW APPLIED AT A RATE OF THREE TONS PER ACRE OR ONE TON AGRICULTURAL GRADE LIMESTONE PER ACRE PLUS 50#-50# FERTILIZER PER ACRE. WORK INTO SOIL.

SEASON	SEEDS	RATE (LB/ACRES)	% PURE LIVE SEED
SPRING (MARCH 15 TO JUNE 15)	ANNUAL RYEGRASS or SPRING GRASS	40	95
SUMMER (JUNE 16 TO AUGUST 15)	ANNUAL RYEGRASS	40	95
FALL (AUGUST 16 ON TO NOVEMBER 1)	ANNUAL RYEGRASS or WINTER TPE	40	95
PERMANENT COVER FOR STABILIZATION		168	95

SITE PREPARATION: SPREAD TOPSOIL, INCORPORATE LIME AND FERTILIZER (RATE BASED ON SOIL TESTS) AT A RATE OF SIX TONS PER ACRE OR AGRICULTURAL LIMESTONE AND 100#-200# FERTILIZER PER ACRE.

PERMANENT: ALL DISTURBED AREAS TO BE PREPARED AND SEEDING FROM MARCH 15 TO NOVEMBER 15 WITH THE FOLLOWING SPECIES AT THE NOTED SEEDING RATE FOLLOWING FINAL GRADING.

MULCHING: APPLY THREE TONS PER ACRE OF HAY OR STRAW TO ACHIEVE A LOOSE LAYER 2-4" DEEP. USE HAY FURNER TRAILER ON STEEP SLOPES. APPLY NON-ASPHALTIC CON-TACK TACKLER BY COMBED FIBERS OR APPROVED EQUIPMENT AT A RATE OF 50 LBS PER ACRE, WITH SPRAYING EQUIPMENT.

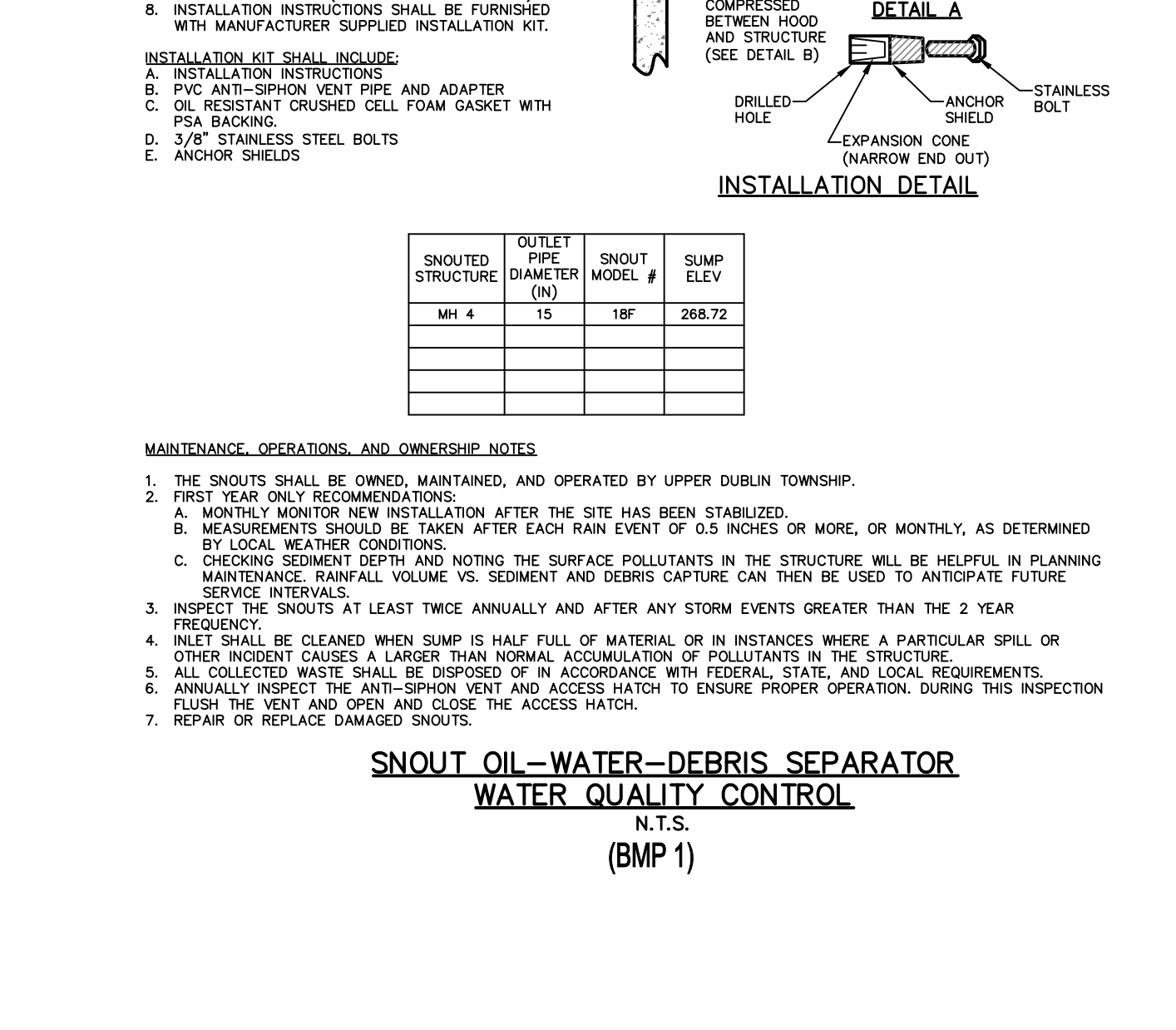
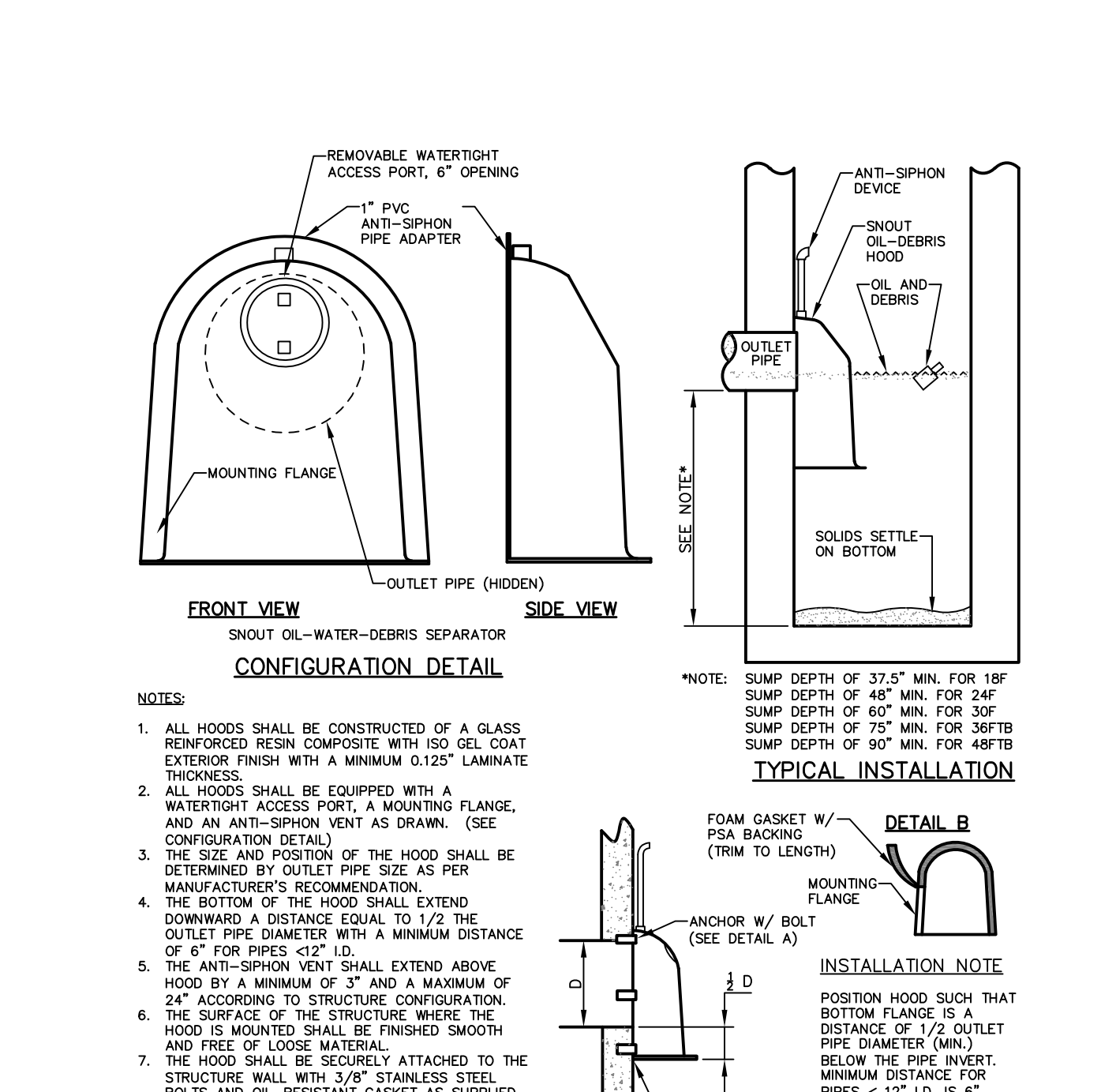
SOURCE: Penn State College of Agriculture Extension, EROSION CONTROL AND CONSERVATION PLANTINGS ON NONCROPLAND by Peter Landschoel, 1997 or as revised.

SEED SPECIES BY SITE	RATE* (LB/1000 SF)	% PURE LIVE SEED
LAWNS		
KENTUCKY BLUEGRASS (POA PRATENSIS) and FINE FESCUE	44/1000 SF	95
TALL FESCUE	18/1000 SF	95
WINTER TPE	25#/1000 SF	95
KENTUCKY BLUEGRASS	25#/1000 SF	95

RECOMMENDED VARIETIES

- FINE FESCUE - RELIANT II, SPYROD, DISCOVERY, OSREY
- TALL FESCUE - Roundhay V, Montak, Marston, and Apache II
- WINTER TPE - ARDOSTOCK or BALD TYPE
- KENTUCKY BLUEGRASS - SR 2109, NORTH STAR, BLACKBURG, BRILLIANT

- ### UNDERGROUND DETENTION/INFILTRATION BASIN CONSTRUCTION SEQUENCE
- INSTALL AND MAINTAIN ADEQUATE EROSION AND SEDIMENT CONTROL MEASURES (AS PER THE PENNSYLVANIA EROSION AND SEDIMENTATION CONTROL PROGRAM MANUAL) DURING CONSTRUCTION. PLACE A DIVERSION BERM AROUND THE EXCAVATED AREAS IN ORDER TO PROTECT THE INFILTRATION AREA FROM SEDIMENTATION.
 - THE EXISTING SUBGRADE UNDER THE BED AREAS SHOULD NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC PRIOR TO GEOTEXTILE AND STONE BED PLACEMENT.
 - WHERE EROSION OF SUBGRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS AND/OR SURFACE PONDING, THIS MATERIAL SHOULD BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES WITH A YORK RAKE (OR EQUIVALENT) AND LIGHT TRACTOR. ALL FINE GRADING SHOULD BE DONE BY HAND. ALL BED BOTTOMS SHOULD BE AT LEVEL GRADE.
 - EARTHEN BERMS (IF USED) BETWEEN INFILTRATION BEDS SHOULD BE LEFT IN PLACE DURING EXCAVATION. THESE BERMS DO NOT REQUIRE COMPACTOR IF PROVEN STABLE DURING CONSTRUCTION.
 - INSTALL UPSTREAM AND DOWNSTREAM CONTROL STRUCTURES, CLEANOUTS, PERFORATED PIPING, AND ALL OTHER NECESSARY STORMWATER STRUCTURES.
 - GEOTEXTILE AND BED AGGREGATE SHOULD BE PLACED IMMEDIATELY AFTER APPROVAL OF SUBGRADE PREPARATION AND INSTALLATION OF STRUCTURES. GEOTEXTILE SHOULD BE PLACED IN ACCORDANCE WITH MANUFACTURER'S STANDARDS AND RECOMMENDATIONS. ADJACENT STRIPS OF GEOTEXTILE SHOULD OVERLAP A MINIMUM OF 18 INCHES. IT SHOULD ALSO BE SECURED AT LEAST 4 FEET OUTSIDE OF BED IN ORDER TO PREVENT ANY RUNOFF OR SEDIMENT FROM ENTERING THE STORAGE BED. THIS EDGE STRIP SHOULD REMAIN IN PLACE UNTIL ALL BARE SOILS CONTIGUOUS TO BEDS ARE STABILIZED AND VEGETATED. AS THE SITE IS FULLY STABILIZED, EXCESS GEOTEXTILE ALONG BED EDGES CAN BE CUT BACK TO THE EDGE OF THE BED.
 - CLEAN-WASHED, UNIFORM GRADED AGGREGATE SHOULD BE PLACED IN THE BED IN MAXIMUM 8-INCH LIFTS. EACH LAYER SHOULD BE LIGHTLY COMPACTED, WITH CONSTRUCTION EQUIPMENT KEPT OFF THE BED BOTTOM AS MUCH AS POSSIBLE.
 - DO NOT REMOVE INLET PROTECTION OR OTHER EROSION AND SEDIMENT CONTROL MEASURES UNTIL SITE IS FULLY STABILIZED.



- ### CONSTRUCTION SCHEDULE
- APPROXIMATE STARTING DATE FOR CONSTRUCTION: MARCH 2024
APPROXIMATE ENDING DATE FOR CONSTRUCTION: AUGUST 2028
- GENERAL NOTES:
- AT LEAST SEVEN DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE CONTRACTOR SHALL NOTIFY ALL CONTRACTORS INVOLVED IN THOSE ACTIVITIES, THE LANDOWNER, ALL APPROPRIATE MUNICIPAL OFFICIALS, THE EROSION AND SEDIMENTATION CONTROL PLAN PREPARED AND A REPRESENTATIVE OF THE MONTGOMERY COUNTY CONSERVATION DISTRICT TO AN ON-SITE PRE-CONSTRUCTION MEETING. ALSO, AT LEAST THREE DAYS BEFORE STARTING ANY EARTH DISTURBANCE ACTIVITIES, THE CONTRACTOR SHALL NOTIFY THE MONTGOMERY COUNTY CONSERVATION DISTRICT BY TELEPHONE AND BY E-MAIL. THE MONTGOMERY COUNTY CONSERVATION DISTRICT SHALL NOTE THE PENNSYLVANIA ONE CALL SYSTEM AT 1-800-242-1776 FOR BURIED UTILITIES LOCATION.
 - THE CONTRACTOR MUST NOTIFY IN WRITING AND BY TELEPHONE THE MONTGOMERY COUNTY CONSERVATION DISTRICT SEVEN DAYS PRIOR TO COMMENCEMENT OF ANY EARTHMOVING ACTIVITIES.
 - THE CUT-OFF DATE FOR SEEDING (EXCEPT FINE GRASS) IS NOVEMBER 15TH. ANY AREAS DISTURBED AFTER THIS DATE, PRIOR TO THE START OF THE GROWING SEASON IN THE SPRING, MUST BE STABILIZED WITH ANY EARTHMOVING.
 - ALL STRUCTURES ASSOCIATED WITH THE CONSTRUCTION OF SEDIMENT REMOVAL FACILITIES MUST BE AVAILABLE ON-SITE PRIOR TO ANY EARTHMOVING.
 - ALL EARTH DISTURBANCE ACTIVITIES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING SCHEDULE. EACH STAGE SHALL BE COMPLETED BEFORE THE FOLLOWING STAGES ARE INITIATED. CLEARING AND GRUBBING SHALL BE LIMITED TO ONLY THOSE AREAS DESCRIBED IN EACH STAGE.
 - BEFORE INITIATING ANY REVISIONS TO THE APPROVED EROSION AND SEDIMENT CONTROL PLANS, WHICH MAY AFFECT THE EFFECTIVENESS OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE OPERATOR MUST RECEIVE APPROVAL OF THE REVISIONS FROM THE MONTGOMERY COUNTY CONSERVATION DISTRICT.
- STAGE 1 - INITIAL EROSION AND SEDIMENT POLLUTION CONTROL FACILITY INSTALLATION**
- INSTALL THE ROCK CONSTRUCTION ENTRANCE OFF LOCH ALSH AVENUE AND OFF THE EXISTING DRIVEWAY AS SPECIFIED ON THE E&S PLAN. ALL CONSTRUCTION VEHICLES MUST USE THESE ENTRANCES TO ENTER AND EXIT THE SITE. CARE MUST BE TAKEN TO ELIMINATE SEDIMENT FROM BEING TRACKED ONTO ANY EXISTING ROAD. THE CONTRACTOR MUST INSPECT AND CLEAN OFF DAILY IF THIS OCCURS. ALSO, MARK (SURVEY STAKES, POSTS & ROPE, ORANGE CONSTRUCTION FENCE, ETC) THE LIMITS OF DISTURBANCE TO ENSURE THAT NO DISTURBANCE, UNWITTINGLY OCCURS WHERE IT IS NOT INTENDED TO OCCUR.
 - INSTALL INLET PROTECTION ON THE EXISTING DRIVEWAYS AS INDICATED ON THE E&S PLAN.
- STAGE 2 - EXISTING TOWNSHIP BUILDING DEMOLITION**
- BEGIN DEMOLITION OF THE EXISTING TOWNSHIP BUILDING.
 - REMOVE THE SHED ALONG THE SOUTHERN PROPERTY BOUNDARY TO BE REMOVED. RELOCATE THE POLICE STORAGE SHED ALONG THE SOUTHERN PROPERTY BOUNDARY.
- STAGE 3 - PUBLIC WORKS ADDITION CONSTRUCTION (CAN BE CONCURRENT WITH STAGE 2)**
- INSTALL COMPOST SOCK CS#1 DOWNSTREAM OF THE PROPOSED GARAGE ADDITION.
 - INSTALL THE STORMWATER COLLECTION AND CONVEYANCE SYSTEM FROM THE EXISTING 24" INLET LOCATED AT THE SOUTHWEST CORNER OF THE EXISTING STORM MH TO PROPOSED DETENTION/INFILTRATION BASIN (BMP 1). INSTALL UTILITY INSTALLATION NOTES. NOTE THAT INSTALLATION OF THE SNOUT IN MH 4 (BMP 1) IS A CRITICAL STAGE WHICH REQUIRES OVERSIGHT OF A LICENSED PROFESSIONAL. BRING STONE SUBGRADE ELEVATION OVER THE BASIN AREA.
 - INSTALL THE SANITARY SEWER RELOCATION LINE FROM THE NEW MANHOLE JUST SOUTH OF THE PROPERTY LINE TO THE SANITARY MANHOLE LOCATED AT THE PUBLIC WORKS BUILDING. FOLLOW THE E&S UTILITY INSTALLATION NOTES.
 - ROUGH GRADE THE AREA OF THE NEW PUBLIC WORKS GARAGE BUILDING ADDITION, ADJACENT PARKING AREAS, AND NEW FUELING STATION. BEGIN CONSTRUCTION OF THE NEW PUBLIC WORKS GARAGE ADDITION. INSTALL CONCRETE DRIVE AREAS AND UTILIZE FOR ANY CONCRETE AREAS ASSOCIATED WITH THE BUILDING CONSTRUCTION. STABILIZE THE EXISTING NEW FUELING STATION. INSTALL PROPOSED CURBING FOR THE NEW PARKING AREA NORTH OF THE PUBLIC WORKS ADDITION. PAVE THE AREAS NORTH AND WEST OF THE BUILDING ADDITION.
- STAGE 4 - TOWNSHIP BUILDING CONSTRUCTION (CAN BE CONCURRENT WITH STAGE 3)**
- ROUGH GRADE THE NEW BUILDING AREA. EXCAVATE FOOTPRINT OF NEW MUNICIPAL BUILDING AND INSTALL FOUNDATIONS. START CONSTRUCTION OF NEW BUILDING. INSTALL UTILITIES TO PROPOSED BUILDING.
 - INSTALL STORM SYSTEM FROM EXISTING STORM MH TO PROPOSED DETENTION/INFILTRATION BASIN (BMP 1). INSTALL THE PROPOSED DETENTION/INFILTRATION BASIN, THIS INCLUDES GEOTEXTILE, WALK, CLEAN STONE INSTALLATION, DISTRIBUTION PIPE, JUNCTION BOXES, AND OUTLET STRUCTURE. NOTE THAT BASIN CONSTRUCTION IS A CRITICAL STAGE WHICH REQUIRES OVERSIGHT OF A LICENSED PROFESSIONAL. BRING STONE SUBGRADE ELEVATION OVER THE BASIN AREA.
 - ROUGH GRADE THE PROPOSED PARKING AREA BETWEEN THE NEW BUILDING AND LOCH ALSH AVENUE. INSTALL PROPOSED RETAINING WALL. INSTALL THE PROPOSED STORM SYSTEM FROM THE BASIN TO YARD DRAIN 14 AND TO INLET 20. IMMEDIATELY INSTALL INLET PROTECTION. INSTALL THE PROPOSED CURBING AND STABILIZE THE PROPOSED PAVED AREAS WITH STONE.
 - INSTALL THE POLICE PARKING LOTS SOUTH AND EAST OF THE BUILDING ADDITION. INSTALL THE PROPOSED STORM SYSTEM FROM INLET 13 TO INLET 5. IMMEDIATELY INSTALL INLET PROTECTION. INSTALL THE PROPOSED CURBING AND STABILIZE THE PROPOSED PAVED AREAS WITH STONE.
 - INSTALL COMPOST SOCK CS#2. ROUGH GRADE THE DRIVEWAY AND PARKING AREA WEST OF THE NEW BUILDING, INCLUDING REMOVAL OF THE EXISTING DRIVEWAY AND PARKING ASSOCIATED WITH THE EXISTING WESTERN PARKING LOT THAT IS BEING REMOVED. INSTALL THE PROPOSED STORMWATER FROM INLET 26 TO INLET 23 INCLUDING ALL LATERALS, FROM INLET 29 TO INLET 27 AND FROM IN 31 TO INLET 30. IMMEDIATELY INSTALL INLET PROTECTION. INSTALL THE PROPOSED CURBING. STABILIZE THE PROPOSED PAVED AREAS WITH STONE.
 - INSTALL THE GEOTECHNICAL SYSTEM IN THE NORTHWEST CORNER OF THE BUILDING ADDITION. INSTALL THE PROPOSED BINDER COURSE OF ALL PAVED AREAS.
 - INSTALL PROPOSED SIDEWALKS WHERE INDICATED.
 - FINAL GRADE AND STABILIZE THE LAWN AREAS. INSTALL ALL PROPOSED LANDSCAPING.
 - INSTALL FINAL WEARING COURSE.
- STAGE 5 - REMOVAL OF THE SOIL EROSION CONTROLS**
- AFTER THE ENTIRE SITE IS STABILIZED, THE CONTRACTOR IS REQUIRED TO REMOVE ALL REMAINING INLET PROTECTION, ROCK CONSTRUCTION ENTRANCES, AND COMPOST SOCKS. RE-STABILIZE ANY AREAS DISTURBED BY THE REMOVAL OF THE EROSION CONTROLS.
 - UPON PERMANENT STABILIZATION OF EARTH DISTURBANCE ACTIVITY UNDER 25 PA. CODE SECTION 102.22(A)(2) (RELATING TO PERMANENT STABILIZATION) AND INSTALLATION OF BMPs IN ACCORDANCE WITH THE APPROVED PLAN PREPARED AND IMPLEMENTED IN ACCORDANCE WITH 25 PA. CODE SECTIONS 102.4 AND 102.8, THE PERMITTEE, AND/OR CO-PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION (NOT) TO THE DEPARTMENT OF OR AUTHORIZED CONSERVATION DISTRICT.
- NOTES:
- AN AREA SHALL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70 PERCENT PERENNIAL 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. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR SHALL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES. DURING NON-GERMINATING PERIODS, MULCH MUST BE APPLIED AT THE SPECIFIED RATES. DISTURBED AREAS WHICH ARE NOT AT FINISHED GRADE AND WHICH WILL BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE STABILIZATION SPECIFICATIONS. DISTURBED AREAS WHICH ARE AT FINISHED GRADE AND WHICH WILL NOT BE RE-DISTURBED WITHIN ONE YEAR MUST BE STABILIZED IN ACCORDANCE WITH THE PERMANENT VEGETATIVE STABILIZATION SPECIFICATIONS.
 - TEMPORARY EROSION CONTROL STRUCTURES MAY BE REMOVED IF APPROVED BY THE LICENSED PROFESSIONAL AFTER THE CONSTRUCTION AREA AND RETAINED SILT ARE STABILIZED AND AFTER LAWN AREAS ARE ESTABLISHED.
 - WITHIN 30 DAYS AFTER THE COMPLETION OF EARTH DISTURBANCE ACTIVITIES AUTHORIZED BY THIS PERMIT, INCLUDING THE PERMANENT STABILIZATION OF THE SITE AND PROPER INSTALLATION OF PERMANENT BMPs IN ACCORDANCE WITH THE APPROVED PDSM PLAN, OR UPON SUBMISSION OF THE NOT IF SOONER, THE PERMITTEE SHALL FILE WITH THE DEPARTMENT OF OR AUTHORIZED CONSERVATION DISTRICT A STATEMENT SUBMITTED BY A LICENSED PROFESSIONAL AND BY THE PERMITTEE CERTIFYING THAT WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT AND THE APPROVED E&S AND PDSM PLANS. COMPLETION CERTIFICATES ARE NEEDED TO ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE PERMIT AND THE APPROVED E&S AND PDSM PLANS.

- ### RECYCLING AND DISPOSAL OF POST-CONSTRUCTION WASTES
- THE CONTRACTOR IS RESPONSIBLE TO ENSURE THAT THE PROPER MEASURES FOR RECYCLING OR DISPOSAL OF MATERIALS WILL BE UNDERTAKEN. POST-CONSTRUCTION WASTES ARE ANTICIPATED TO INCLUDE CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS APPROVED BY THE LOCAL CONSERVATION DISTRICT.
 - ALL POST-CONSTRUCTION WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 2601.ET SEQ. 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURIED, BURNED, DUMPED, OR DISCHARGED AT THE SITE.
- ### CLEAN FILL/ENVIRONMENTAL DUE DILIGENCE NOTES
- OPERATORS MUST USE ENVIRONMENTAL DUE DILIGENCE TO ENSURE THAT THE FILL MATERIAL ASSOCIATED WITH THIS PROJECT QUALIFIES AS CLEAN FILL. DEFINITIONS OF CLEAN FILL AND ENVIRONMENTAL DUE DILIGENCE ARE PROVIDED BELOW. ALL FILL MATERIAL MUST BE USED IN ACCORDANCE WITH THE PA DEP POLICY "MANAGEMENT OF FILL", DOCUMENT NUMBER 258-2182-773. A COPY OF THIS POLICY IS AVAILABLE ONLINE AT WWW.PA-DEP.STATE.PA.US UNDER THE HEADING QUICK ACCESS ON THE LEFT SIDE OF THE SCREEN. CLICK ON "CLEAN FILL AND PUBLICATIONS" ON THE LEFT SIDE OF THE SCREEN. CLICK ON "TECHNICAL GUIDANCE DOCUMENTS - FINAL". THEN TYPE THE DOCUMENT NUMBER 258-2182-773 INTO THE SEARCH WINDOW AND CLICK ON THE SEARCH RESULT UNDER "MANAGEMENT OF FILL".
- CLEAN FILL IS DEFINED AS: UNCONTAMINATED, NON-WATER SOLUBLE, NON-DECOMPOSABLE, INERT, SOLID MATERIAL. THE TERM INCLUDES SOIL, ROCK, STONE, DREDGED MATERIAL, USED ASPHALT AND BRICK, BLDG OR CONCRETE FROM CONSTRUCTION AND DEMOLITION ACTIVITIES THAT IS SEPARATE FROM OTHER WASTE AND IS RECOGNIZABLE AS SUCH. THE TERM DOES NOT INCLUDE MATERIALS PLACED IN OR ON THE WATERS OF THE COMMONWEALTH UNLESS OTHERWISE AUTHORIZED. (THE TERM "USED ASPHALT" DOES NOT INCLUDE MILLED ASPHALT OR ASPHALT THAT HAS BEEN PROCESSED FOR RE-USE.)
- ENVIRONMENTAL DUE DILIGENCE 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 NOT A REQUIRED PART OF DUE DILIGENCE UNLESS VISUAL INSPECTION AND/OR REVIEW OF THE PAST LAND USE OF THE PROPERTY INDICATES THAT THE FILL MAY HAVE BEEN EXPOSED TO A SPILL OR RELEASE OF REGULATED SUBSTANCE. IF THE FILL MAY BE AFFECTED BY A SPILL OR RELEASE OF A REGULATED SUBSTANCE, IT MUST BE TESTED TO DETERMINE IF IT QUALIFIES AS CLEAN FILL. TESTING SHOULD BE PERFORMED IN ACCORDANCE WITH APPENDIX A OF THE PA DEP POLICY "MANAGEMENT OF FILL". FILL MATERIAL THAT DOES NOT QUALIFY AS CLEAN FILL IS REGULATED FILL. REGULATED FILL IS MATERIAL THAT MUST BE MANAGED IN ACCORDANCE WITH THE DEPARTMENT'S MUNICIPAL OR RESIDUAL WASTE REGULATIONS BASED ON 25 PA. CODE CHAPTERS 287.1 RESIDUAL WASTE MANAGEMENT OR 271 MUNICIPAL WASTE MANAGEMENT, WHICHEVER IS APPLICABLE.

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GKO ARCHITECTS
801 LOCH ALSH AVE
UPPER DUBLIN TOWNSHIP, PENNSYLVANIA 19004

PRELIMINARY/FINAL
UPPER DUBLIN TOWNSHIP
MUNICIPAL BUILDING
UPPER DUBLIN TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

REVISIONS

POST-CONSTRUCTION STORM WATER MANAGEMENT DETAILS

C702

SHEET 18 of 22

LAND DEVELOPMENT

JOB # 2539
SCALE AS NOTED
DATE 05/25/2023