

ADDENDUM

07

Lancaster Township Police Department Renovations & Addition Lancaster, PA Date of Addendum: 23 September, 2024

Marotta/Main Architects Project No.: 24-LT-01

The original Project Manuals and Drawings dated 28 August, 2024 for the project noted above, are amended as noted in this Addendum No. 07.

Receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

This Addendum consists of 1 Page and all attachments listed.

DRAWINGS

- 07.01 Refer to Civil Drawing Sheet 1 Demolition of rolled curb and pavement sawcut line added.
- 07.02 Refer to Civil Drawing Sheet 2 pads labeled as described below.
 - a. Wall changed from Versa-Lok to Diamond Pro System of Approved equivalent.
 - b. Curb extended from existing inlet in alley with taper.
- 07.03 Refer to Civil Drawing Sheet 3 Revised Infiltration bed dimensions and location, eliminated yard inlet, downspouts tie into bed, grading changes.
- 07.04 Refer to Civil Drawing Sheet 5 Curb and curb end taper details added, inlet detail removed, retaining wall detail modified.
- 07.05 Refer to Civil Drawing Sheet 6 Downspout connection detail added, infiltration bed detail modified.

END OF ADDENDUM 07

Respectfully Submitted,

Connie King, AIA, ALEP, GGB Principal Architect Marotta/Main Architects, Inc.

Attachments:

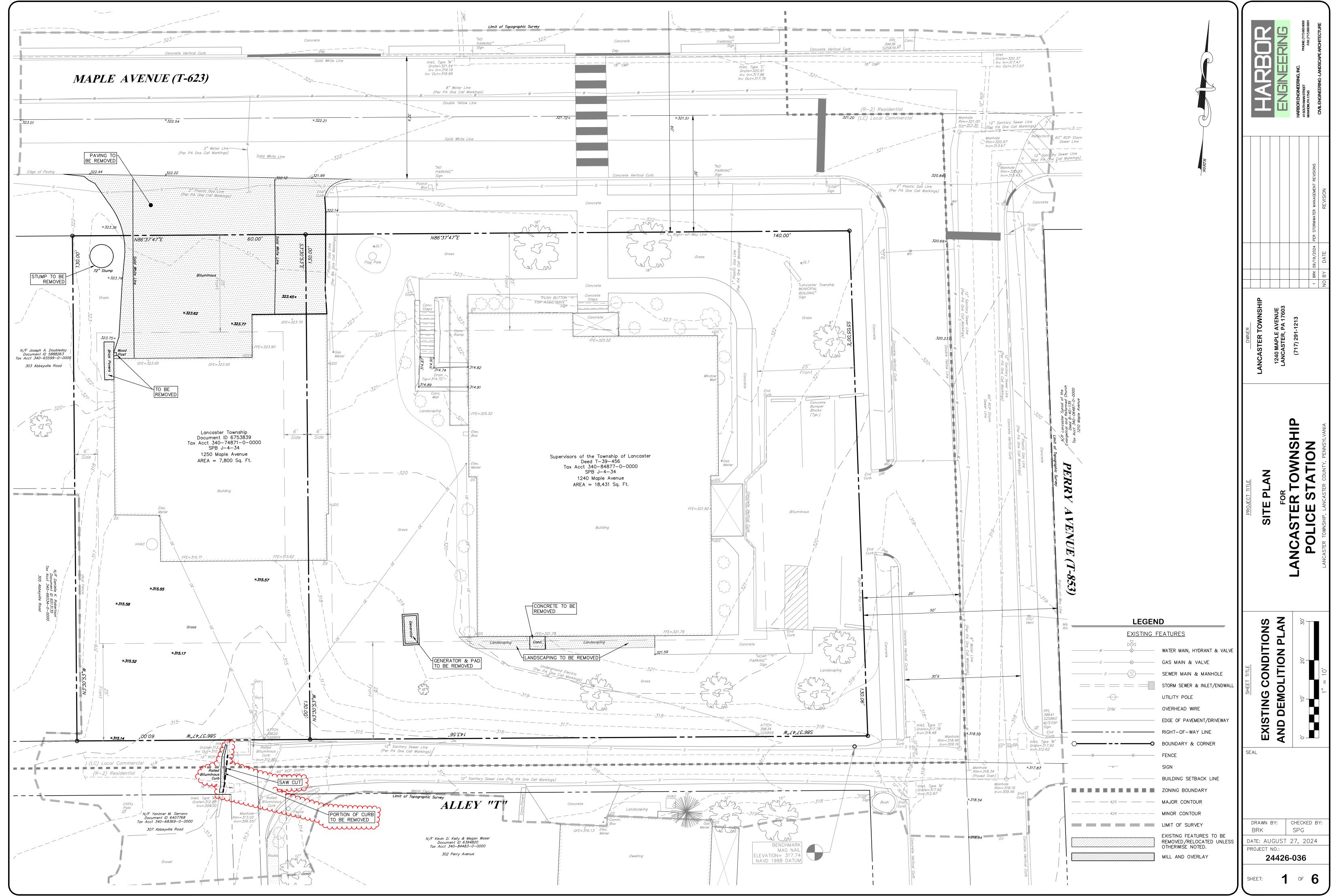
Sheet 1 of 6

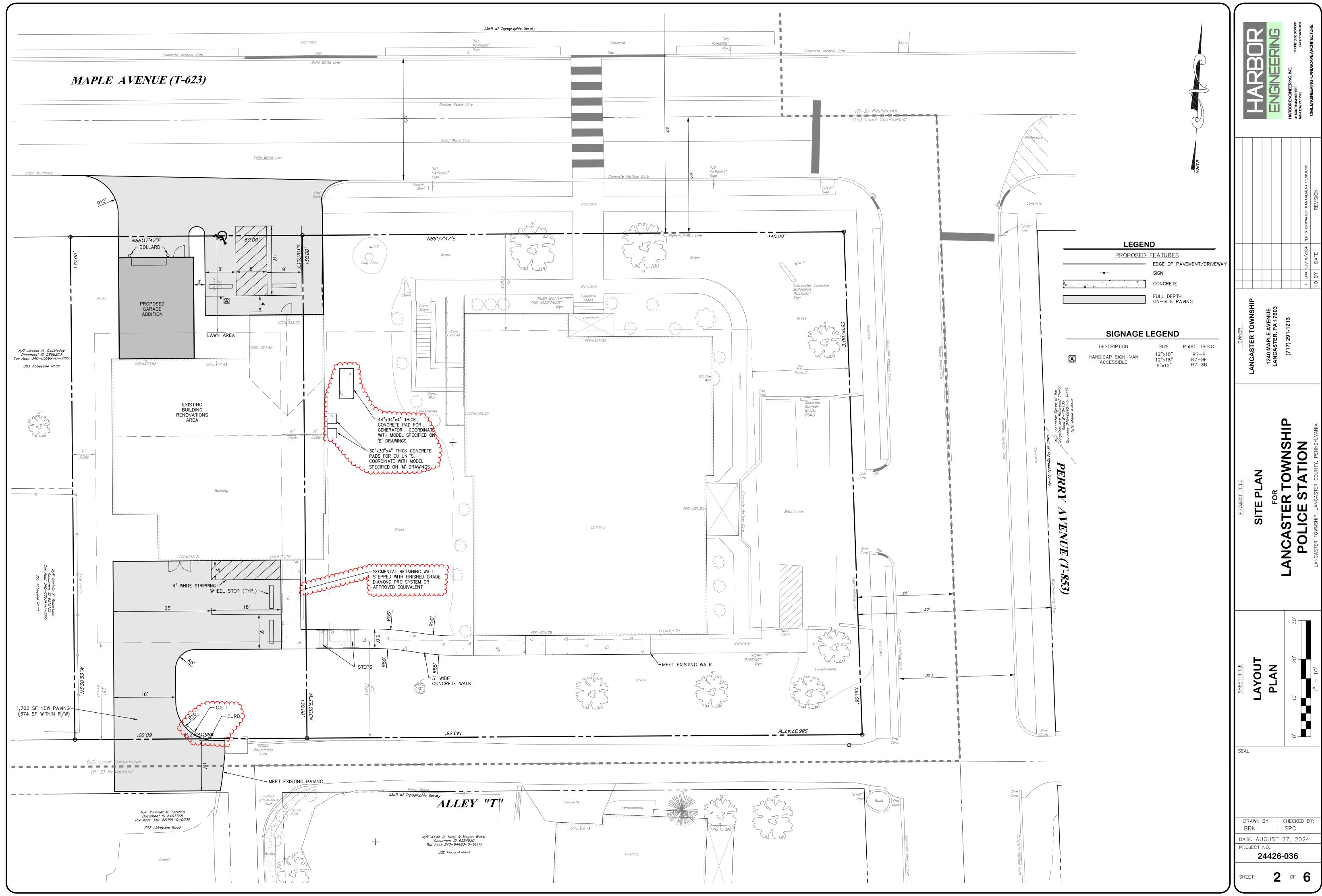
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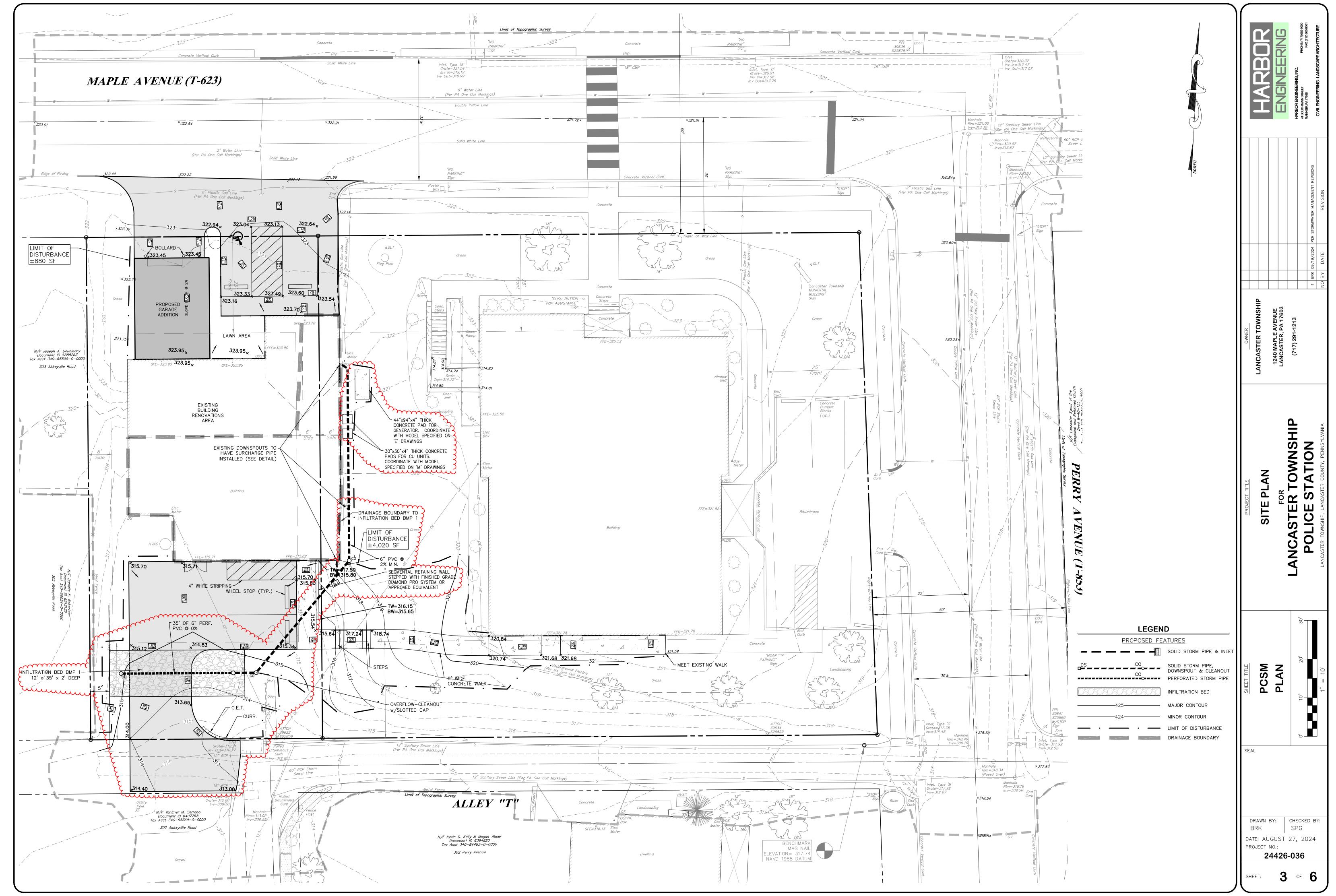
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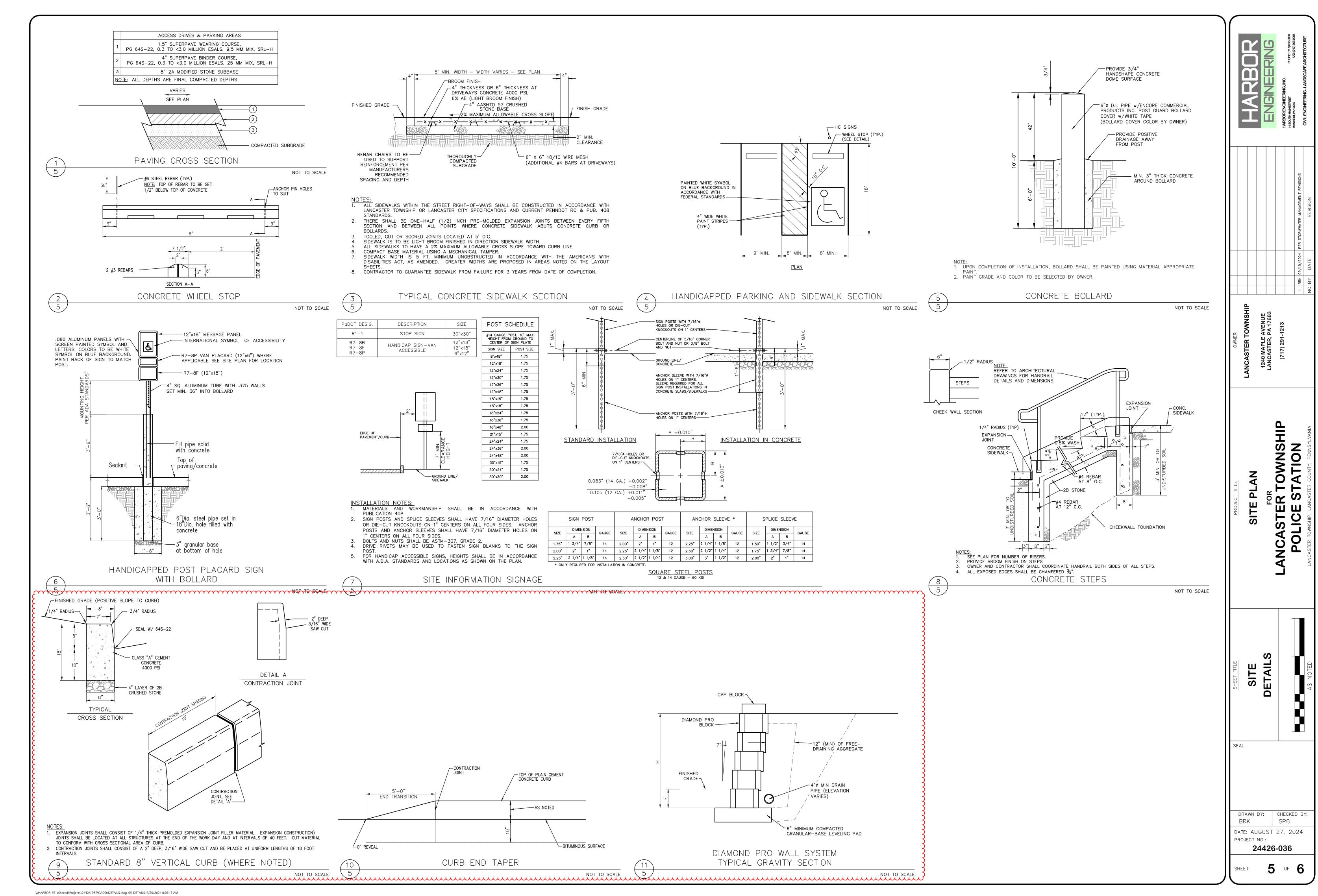
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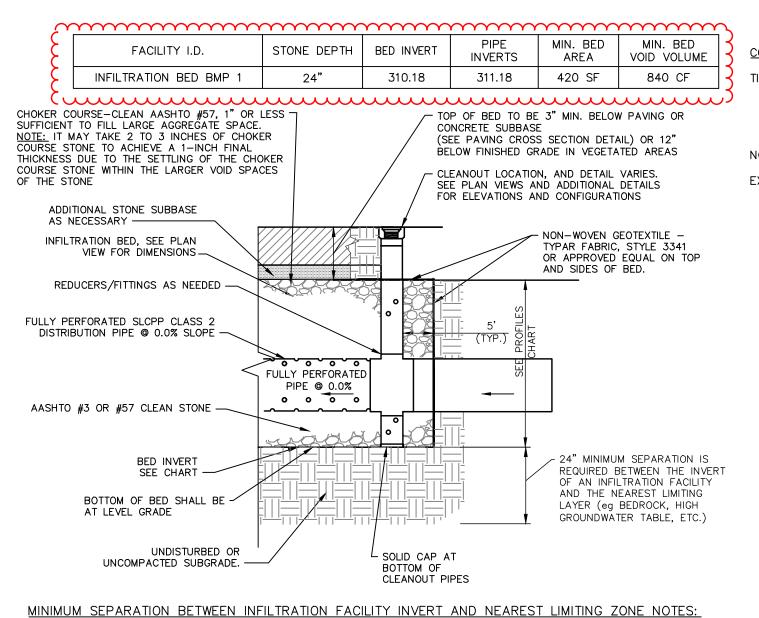
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24" MINIMUM SEPARATION IS REQUIRED BETWEEN THE INVERT OF AN INFILTRATION FACILITY AND THE NEARES"

LIMITING ZONE LAYER (eg BEDROCK, HIGH GROUNDWATER TABLE, ETC.) 2. TO VERIFY THE 24" SEPARATION, PROBE WITH A METAL ROD UPON EXPOSURE TO SUBGRADE. IF BEDROCK IS ENCOUNTERED, IT SHALL BE REMOVED TO WITHIN 24" OF THE BOTTOM OF THE FACILITY AND REPLACED WITH ENGINEERED SOIL PER THE "SUBGRADE REPAIR UNDER INFILTRATION BED" DETAIL.

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- CONSTRUCTION SEQUENCE FOR INFILTRATION BED:
- TIMING OF THE BED INSTALLATION WITHIN THE OVERALL SITE CONSTRUCTION:
 - THE INFILTRATION BED MAY BE INSTALLED PRIOR TO THE INSTALLATION OF THE OTHER IMPROVEMENTS. FOLLOWING THE INSTALLATION OF THE INFILTRATION BED, THE CLEAN STORMWATER FROM THE ROOF MAY BE DISCHARGED INTO THE BED. TEMPORARY EXTENSION OF THE DOWNSPOUT DISCHARGES MAY BE INSTALLED. MAINTAIN FILTERS OVER SURFACE INLETS UNTIL THE SITE IS STABILIZED.
- NOTE: PROTECT INFILTRATION FACILITY FROM SEDIMENT AT ALL TIMES DURING CONSTRUCTION.

TO PLACEMENT OF THE CLEAN STONE, INFILTRATION TESTING SHOULD BE PERFORMED.

INFILTRATION BED 1 WITH DISTRIBUTION PIPING (BELOW PAVING)

- a.SUB-GRADE PREPARATION CONSTRUCTION SEQUENCING 1. EXISTING SUB-GRADE IN INFILTRATION AREAS SHALL NOT BE COMPACTED OR SUBJECT TO EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC.
- 2. WHERE EROSION OF SUB-GRADE HAS CAUSED ACCUMULATION OF FINE MATERIALS AND/OR SURFACE PONDING IN THE GRADED BOTTOM, THIS MATERIAL SHALL BE REMOVED WITH LIGHT EQUIPMENT AND THE UNDERLYING SOILS SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES WITH A YORK RAKE OR EQUIVALENT BY LIGHT TRACTOR. THE SUBGRADE IS TO BE INSPECTED TO CONFIRM ALL OBSERVATIONS WITHIN THE GEOLOGY REPORT. PRIOR
- THE BOTTOM OF THE CLEAN STONE SHALL BE PLACED ON UNDISTURBED OR UNCOMPACTED SUBGRADE WITH A MINIMUM SEPARATION OF 2 FEET TO A LIMITING LAYER. A SINGLE TEST PIT IS TO BE EXCAVATED TO CONFIRM THE ABSENCE OF SATURATED CONDITIONS, REDOXIMORPHIC FEATURES, OR GROUNDWATER. IF FOUND FOLLOW RECOMMENDATIONS WITHIN GEOLOGY CONSTRUCTION NOTES WITHIN THIS PLAN. TO VERIFY THE FEET SEPARATION TO ROCK, THE FOOTPRINT OF EACH FACILITY MUST BE PROBED WITH A METAL ROD IN A GRID PATTERN UPON EXPOSURE TO SUBGRADE. ROD SHALL BE USED AT A MAXIMUM DISTANCE OF 15 FEET APART. IF ANY ROCK IS ENCOUNTERED, FOLLOW RECOMMENDATIONS WITH THE "SUBGRADE REPAIR UNDER
- INFILTRATION BED" DETAIL. 5. THE INFILTRATION TESTING IS TO BE PERFORMED AT THE TOP OF THE SUBGRADE WITHIN THE FACILITY FOOTPRINT AT A MINIMUM OF TWO TESTS PER BOTTOM AREA IN EACH FACILITY AT THE TIME OF CONSTRUCTION, USING DOUBLE RING INFILTROMETERS AS SPECIFIED IN THE PA BMP DESIGN MANUAL ACCEPTABLE RATES MUST FALL WITHIN THE RANGE OF 0.5 TO 10.0 INCHES PER HOUR. IF INFILTRATION RATI OF THE SUBGRADE DOES NOT FALL WITHIN THE ACCEPTABLE RANGE, THE SUBGRADE IS TO BE REPAIRED PER THE DETAIL FOR "SUBGRADE REPAIR UNDER INFILTRATION FACILITY (IF ROCK OR LIMITING MATERIAL IS ENCOUNTERED)." THE MUNICIPALITY SHALL BE SENT RESULTS FOR THEIR RECORDS. IF INFILTRATION RATES OF THE INSTALLED SILT LOAM DO NOT FALL WITHIN THIS RANGE, A GEOLOGIST OR GEOTECHNICAL ENGINEER SHALL BE CONSULTED TO DETERMINE APPROPRIATE MEASURES FOR AMENDING OR MODIFYING THE SILT LOAM SOILS TO ACHIEVE THE DESIRED RATE. INFILTRATION TESTING MUST BE PERFORMED AGAIN AFTER ANY
- MODIFICATIONS TO VERIFY THAT THE RATES FALL WITHIN THE ACCEPTABLE RANGE. BRING SUB-GRADE OF INFILTRATION AREA TO LINE, GRADE, AND ELEVATIONS INDICATED. FILL AND LIGHTLY REGRADE ANY AREAS DAMAGED BY EROSION, PONDING, OR TRAFFIC COMPACTION. ALL INFILTRATION AREAS
- SHALL BE LEVEL GRADE ON THE BOTTOM. 7. THE SUBSURFACE AREA SHALL BE PREPARED FOR INFILTRATION BY SCARIFYING THE UNDERLYING SOILS A MINIMUM DEPTH OF SIX INCHES (6") WITH A YORK RAKE AND LIGHT TRACTOR TO FACILITATE SOIL
- 8. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF CONSTRUCTION OBSERVATION OF SUBGRADE PRIOR TO INSTALLATION OF CLEAN STONE, INFILTRATION TESTING RESULTS AT SUB-GRADE, DOCUMENTATION OF THE TESTING RESULTS, AND DEPTH TO LIMITING ZONE. DOCUMENTATION OF THE SUB-GRADE TESTING AND INVESTIGATION RESULTS BE PROVIDED TO THE MUNICIPAL ENGINEER.

SUBGRADE PREPARATION NOTES:

- THE PROPOSED FACILITY RELIES ON PERMEABLE SOIL CONDITIONS TO DEWATER AND FUNCTION PROPERLY. EVERY PRECAUTION MUST BE MAINTAINED BY THE CONTRACTOR DURING THE CONSTRUCTION TO ASSURE THAT COMPACTION DOES NOT OCCUR WHICH WOULD COMPROMISE THE PERMEABILITY OF THE FLOOR OF THE FACILITY.
- IF ROCK IS ENCOUNTERED DURING EXCAVATION, A GEOLOGIST OR GEOTECHNICAL ENGINEER MUST INSPECT THE ROCK PRIOR TO BACKFILL FOR EVIDENCE OF SHALLOW ROCK PINNACLES AND WEATHERED ROCK STRATA. REFER TO GEOLOGY CONSTRUCTION NOTES WITHIN THIS PLAN SET, AND "SUBGRADE REPAIR UNDER INFILTRATION BED
- HALT EXCAVATION AND NOTIFY MUNICIPAL ENGINEER, AND HARBOR ENGINEERING IMMEDIATELY IF ANY CARBONATE FEATURES SUCH AS SINKHOLES, PINNACLES, DISAPPEARING STREAMS, LOOSE OR RAVELED SOILS, OR OTHER DELETERIOUS CONDITIONS ARE OBSERVED DURING CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES.
- b. CLEAN STONE BED INSTALLATION CONSTRUCTION SEQUENCE 1. FOLLOWING THE FIELD VERIFICATION OF THE SUBGRADE CONDITIONS. AND THE COMPLETION OF THE INFILTRATION TESTING BY THE PROJECT GEOLOGIST REPRESENTATIVE DURING CONSTRUCTION. AND THE SUBMISSION OF THE RATE RESULTS TO THE MUNICIPAL ENGINEER, THE INSTALLATION OF THE NON-WOVEN
- GEOTEXTILE FABRIC AND CLEAN STONE MAY BEGIN. ANY ACCUMULATION OF DEBRIS OR SEDIMENT THAT TAKES PLACE AFTER APPROVAL OF SUB-GRADE SHALL BE REMOVED PRIOR TO INSTALLATION OF CLEAN STONE. THE NON-WOVEN GEOTEXTILE IS TO BE INSTALLED ALONG THE OUTSIDE OF THE CLEAN STONE AS NOTED IN
- THE INFILTRATION BED DETAILS. 4. CLEAN STONE SHALL BE COMPACTED/VIBRATED WITH LIGHT EQUIPMENT IN MAXIMUM OF 18" LIFTS TO SET STONE AND ELIMINATE POST-CONSTRUCTION SETTLEMENT.
- KEEP EQUIPMENT MOVEMENT OVER SILT LOAM TO A MINIMUM DO NOT OVER COMPACT FOLLOWING THE PLACEMENT OF THE STONE, THE NON-WOVEN GEOTEXTILE IS TO BE OVERLAPPED ON TOP OF
- INSTALL ALL PIPING, CLEANOUTS, AND INLETS PER THE PLAN, PROFILES AND DETAILS. 8. BACKFILL MATERIAL SHALL BE FREE OF LARGE (NOT EXCEEDING 6 INCHES IN ANY DIMENSION) STONE, ROCK, OR OTHER OBJECTIONABLE OR DETRITUS MATERIAL. SELECT NON-AGGREGATE BACKFILL MATERIAL SHOULD BE

INDIGENOUS TO THE SURROUNDING SOIL MATERIAL FOR NON-VEHICULAR AREAS.

- BED INSTALLATION NOTES: DURING CONSTRUCTION, THE INFILTRATION FACILITY SHALL BE PROTECTED FROM SEDIMENTATION ENTERING THE FACILITIES UNTIL THE CONTRIBUTORY DRAINAGE AREA HAS ACHIEVED FULL STABILIZATION, WHICH IS A MINIMUM UNIFORM 90% 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 INFILTRATION FACILITY FILTER FABRIC AND STONE SHOULD BE KEPT CLEAN OF SOIL/SEDIMENT DURING THE
- INSTALLATION PROCESS. IF INSPECTION INDICATES THAT SOIL SEDIMENT HAS ENTERED ANY OF THE INFILTRATION FACILITY, APPROPRIATE MEASURES (I.E. CLEANING THE SOIL/SEDIMENT FROM THE FABRIC, STONE, BED ETC. AND/OR REPLACEMENT OF THE FABRIC AND STONE) SHOULD BE ADDRESSED.
- . FACILITY SHALL BE LOCATED IN THE AREA IDENTIFIED ON THE APPROVED PLAN.

CARE SHALL BE TAKEN TO ENSURE THAT NO COMPACTION EQUIPMENT, SEDIMENT, OR STONE DUST ENTERS THE PROPOSED INFILTRATION FACILITIES AS THIS COULD POTENTIALLY "SEAL" THE FACILITIES.

PROTECT INFILTRATION FACILITY FROM SEDIMENT AT ALL TIMES DURING CONSTRUCTION. HAY BALES, DIVERSION BERMS AND/OR OTHER APPROPRIATE MEASURES SHALL BE USED AT THE TOE OF SLOPES THAT ARE ADJACENT (NO T-FITTINGS ALLOWED) TO INFILTRATION FACILITY TO PREVENT SEDIMENT FROM WASHING INTO THESE AREAS DURING SITE DEVELOPMENT. GENERAL NOTES: 2. WYE "Y" FITTINGS MUST BE USED AT ALL PIPE INTERSECTIONS, TEE "I" FITTINGS SHALL NOT BE USE DOWNSPOUT CONNECTION DETAIL NOT TO SCALE NOT TO SCALE

OR CONSTRUCTION MODIFICATIONS.

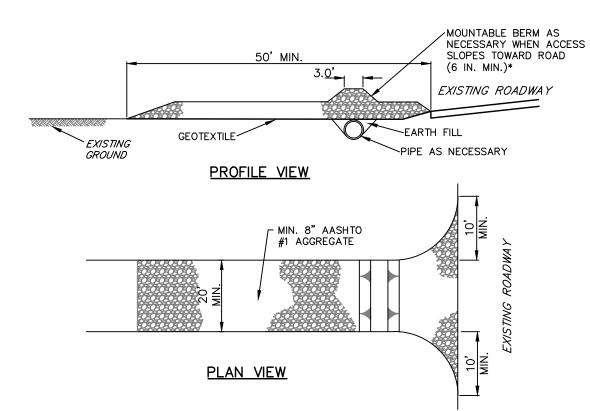
OF WATER PER SQUARE FOOT (SF).

1. SEE OPERATION AND MAINTENANCE NOTES FOR PCSM BMPS.

PROFESSIONAL.

MATERIALS/SPECIFICATION NOTES:

AND/OR DETAILS



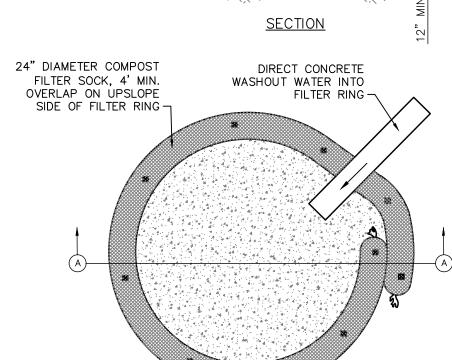
REMOVE TOPSOIL PRIOR TO INSTALLATION OF ROCK CONSTRUCTION ENTRANCE, EXTEND ROCK OVER FULL WIDTH OF ENTRANCE. 2. RUNOFF SHALL BE DIVERTED FROM ROADWAY TO A SUITABLE SEDIMENT REMOVAL BMP PRIOR TO ENTERING ROCK CONSTRUCTION

- 3. MOUNTABLE BERM SHALL BE INSTALLED WHEREVER OPTIONAL CULVERT PIPE IS USED AND PROPER PIPE COVER AS SPECIFIED BY MANUFACTURER IS NOT OTHERWISE PROVIDED. PIPE SHALL BE SIZED APPROPRIATELY FOR SIZE OF DITCH BEING CROSSED.

 4. 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 ROADWAY, EXTEND LENGTH OF ROCK CONSTRUCTION ENTRANCE BY 50 FOOT INCREMENTS UNTIL CONDITION IS ALLEVIATED OR INSTALL WASH RACK. WASHING THE ROADWAY OR SWEEPING THE DEPOSITS INTO ROADWAY DITCHES, SEWERS,
- ABACT NOTES WHEN IN SPECIAL PROTECTION WATERSHED & CHESAPEAKE BAY WATERSHED CONTINUAL MAINTENANCE IS NEEDED FOR THE RCE TO QUALIFY AS AN APPROVED ALTERNATIVE BMP, WHICH MAY BE USED AS A SUBSTITUTE FOR WASH RACKS IN SPECIAL PROTECTION WATERSHEDS. THE FOLLOWING CONTINUAL MAINTENANCE IS REQUIRED TO PROVIDE THE ADDITIONAL ABACT BMP SEDIMENT CONTROL
- USE VACUUM SWEEPER TO REMOVE ACCUMULATED SEDIMENT FROM STREETS DAILY BEFORE IT IS WASHED INTO SURFACE WATERS. TIRES CAN BE CLEANED OFF MANUALLY WITH A BROOM PRIOR TO EXITING.

LARGE LUMPS OF DIRT/SOIL CAN BE REMOVED BY HAND. ROLLING OF DIRT ROAD CAN STABILIZE AREAS AFFECTED BY TRACKED MUD ROCK CONSTRUCTION ENTRANCE (ABACT REQUIRED

-MAXIMUM DEPTH OF CONCRETE WASHOUT -2"x 2" x 36" WOODEN STAKES WATER IS 50% OF FILTER RING HEIGHT PLACED 5 FT ON CENTER -24" DIAMETER COMPOST FILTER SOCK



CULVERTS, OR OTHER DRAINAGE COURSES IS NOT ACCEPTABLE.

1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE 2. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER

SOCKS IN PYRAMIDAL CONFIGURATION

FOR ADDED HEIGHT 3. A SUITABLE IMPERVIOUS GEOMEMBRANE SHALL BE PLACED AT THE LOCATION OF THE WASHOUT PRIOR TO INSTALLING THE MAINTENANCE: ALL CONCRETE WASHOUT FACILITIES SHALL BE INSPECTED DAILY. DAMAGED OR LEAKING WASHOUTS SHOULD

REPLACED IMMEDIATELY. ACCUMULATED MATERIALS SHOULD BE REMOVED WHEN THEY REACH 75% PLASTIC LINERS SHOULD BE REPLACED WITH EACH CLEANING OF THE WASHOUT FACILITY.

BE DEACTIVATED AND REPAIRED OR

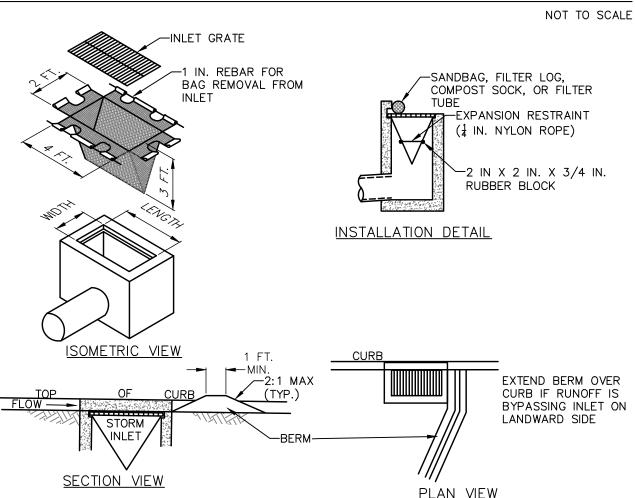
FIGURE 3.16 TYPICAL COMPOST SOCK WASHOUT DETAIL COMPOST FILTER SOCK--2 IN. x 2 IN. WOODEN STAKES PLACED 10 FT ON CENTER BLOWN/PLACED FILTER MEDIA-UNDISTURBED AREA DISTURBED AREA DISTURBED AREA FXISTING CONTOURS 2 IN. x 2 IN. WOODEN STAKES PLACED 10 FT ON CENTER COMPOST FILTER UNDISTURBED AREA

SOCK FABRIC SHALL MEET STANDARDS OF TABLE 4.1 OF THE PA DEP EROSION CONTROL MANUAL. COMPOST SHALL MEET THE STANDARDS OF TABLE 4.2 OF THE PA DEP EROSION CONTROL MANUAL. SEE COMPOST FILTER SOCK SPECIFICATIONS. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE BARRIER SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN BARRIER ALIGNMENT. MAXIMUM SLOPE LENGTH ABOVE ANY BARRIER SHALL NOT EXCEED THAT SPECIFIED FOR THE SIZE OF THE SOCK AND THE SLOPE OF ITS TRIBUTARY AREA.

TRAFFIC SHALL NOT BE PERMITTED TO CROSS COMPOST FILTER SOCKS. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES 1/2 THE ABOVE GROUND HEIGHT OF THE BARRIER AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE PLAN. COMPOST FILTER SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED

ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION. BIODEGRADABLE COMPOST FILTER SOCKS SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL

> STANDARD CONSTRUCTION DETAIL #4-1 COMPOST FILTER SOCK



. MAXIMUM DRAINAGE AREA = 1/2 ACRE. . INLET PROTECTION SHALL NOT'BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR

ROADWAY IS PAVED. SIX INCH MINIMUM HEIGHT ASPHALT BERM SHALL BE MAINTAINED UNTIL ROADWAY SURFACE RECEIVES FINAL 4. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS, A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL PARTICLES NOT PASSING A NO. 40 SIEVE. INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND

. ROLLED EARTHEN BERM SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM SHALL BE MAINTAINED UNTIL

RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING F THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE OF ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES.

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

STANDARD CONSTRUCTION DETAIL #4-15

COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS (TABLE 4.1) Multi-Filament Multi-Éilamén Polypropylene MATERIAL TYPE 3 mil HDPE 5 mil HDPE 5 mil HDPE Polypropylene (MFPP) (HDMFPP) Characteristics degradable | degradable | degradable degradable degradable Sock Diameter 12", 18", 12", 18", 24", 12", 18", 24", Mesh Opening 3/8" 3/8" 3/8" 1/8" Tensile Strength 44 psi 202 psi 26 psi 26 psi Itraviolet Stability % 23% at 23% at 100% at 100% at Original Strength 1000 hr. 1000 hr. 1000 hr 1000 hr (ASTM G-155)Minimum Functional 6 months 9 months | 6 months 2 years Longevity Two-ply systems HDPE biaxial net Continuously wound Inner Containment Netting Fusion-welded junctures 3/4" x 3/4" Max. aperture size Composite Polypropylene Fabric (Woven layer and non-woven fleece Outer Filtration Mesh 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 STANDARDS (TABLE 4.2) Organic Matter Content 25% - 100% (dry weight basis) Organic Portion Fibrous and elongated 5.5 - 8.5 Moisture Content 30% - 60% 30%-50% pass through 3/8" sieve Particle Size

Soluble Salt Concentration 5.0 dS/m (mmhos/cm) Maximum COMPOST FILTER SOCK SPECIFICATIONS NOT TO SCALE ─INLET GRATE 1 IN. REBAR FOR -EXPANSION RESTRAINT BAG REMOVAL FROM I/4 IN. NYLON ROPE) INLET -2 IN X 2 IN. X 3/4 IN. RUBBER BLOCK INSTALLATION DETAIL ISOMETRIC VIEW EARTHEN BERM TO BE STABILIZED WITH-TEMPORARY OR PERMANENT VEGETATION

SECTION VIEW PLAN VIEW MAXIMUM DRAINAGE AREA = 1/2 ACRE. INLET PROTECTION SHALL NOT BE REQUIRED FOR INLET TRIBUTARY TO SEDIMENT BASIN OR TRAP. BERMS SHALL BE REQUIRED FOR ALL INSTALLATIONS.

- 3. ROLLED EARTHEN BERM IN ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS STONED. ROAD SUBBASE BERM ON ROADWAY SHALL BE MAINTAINED UNTIL ROADWAY IS PAVED. EARTHEN BERM IN CHANNEL SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION IS COMPLETED OR REMAIN PERMANENTLY. 4. AT A MINIMUM, THE FABRIC SHALL HAVE A MINIMUM GRAB TENSILE STRENGTH OF 120 LBS., A MINIMUM BURST STRENGTH OF 200 PSI, AND A MINIMUM TRAPEZOIDAL TEAR STRENGTH OF 50 LBS. FILTER BAGS SHALL BE CAPABLE OF TRAPPING ALL
- PARTICLES NOT PASSING A NO. 40 SIEVE. . INLET FILTER BAGS SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EACH RUNOFF EVENT. BAGS SHALL BE EMPTIED AND RINSED OR REPLACED WHEN HALF FULL OR WHEN FLOW CAPACITY HAS BEEN REDUCED SO AS TO CAUSE FLOODING OR BYPASSING OF THE INLET. DAMAGED OR CLOGGED BAGS SHALL BE REPLACED. A SUPPLY SHALL BE MAINTAINED ON SITE FOR REPLACEMENT OF BAGS. ALL NEEDED REPAIRS SHALL BE INITIATED IMMEDIATELY AFTER THE INSPECTION. DISPOSE ACCUMULATED SEDIMENT AS WELL AS ALL USED BAGS ACCORDING TO THE PLAN NOTES. 6. 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

GRASS AREAS PAVED AREAS SEAL EDGE WITH PAVEMENT PER MUNICIPAL STANDARDS RESTORATION ONLY 6" MIN. EXCAVATED MATERIAL BACKFILL STONE BACKFILI WHERE ACHIEVABLE MIN. 12" FOR RCP MIN. 18" FOR SLCPP AND HDPEP-MIN. 12" FOR ROOF LEADERS CRUSHED STONE INITIAL BACKFILL -PROPOSED STORM PIPE 12" MIN. (6" MIN. FOR ROOF LEADERS) 6" MIN. FOR ROOF LEADERS TRENCH WIDTH _

3. REFER TO GEOLOGY CONSTRUCTION NOTES WITHIN THIS PLAN SET FOR ADDITIONAL INFORMATION CONCERNING

4. THE CONSTRUCTION OF THE INFILTRATION BED SHALL BE DOCUMENTED AND APPROVED BY A DESIGN

2. ALL STONE FOR THE CONSTRUCTION OF THE FACILITY SHOULD BE UNIFORMLY GRADED AND CLEAN

THE OUTSIDE OF THE CLEAN STONE BACKFILL SHALL BE LINED AS NOTED ON THE DETAIL FACILITY WITH A

PADOT CLASS 1 NON-WOVEN GEOTEXTILE MATERIAL PER PUBLICATION 408, SECTION 212.3B. A MINIMUM 1

OVERLAP SHALL BE PROVIDED AT ALL MATERIAL EDGES. NON-WOVEN FABRIC SHALL HAVE 5 OUNCES PER

SQUARE YARD (SY) WEIGHT, OR GREATER, AND BE CAPABLE OF DRAINING 120 GALLONS PER MINUTE (GPM)

4. CONTRACTOR SHALL USE TEE'S, BENDS, CROSSES, AND REDUCERS AS REQUIRED TO MAKE NECESSARY

5. ALL ROOF LEADER PIPING SHALL BE SDR-35 PVC, OR CORRUGATED HDPEP WITH WATERTIGHT JOINTS (OR

6. ALL PERFORATED PIPE WITHIN THE FACILITY SHALL HAVE A MINIMUM DIAMETER AS NOTED ON THE PLANS

ALL PERFORATED PIPE SHALL BE CLASS 2 FULLY PERFORATED PIPE PER AASHTO M252 FOR 3"-10" PIPE.

PERFORATIONS MAY BE CIRCULAR OR SLOTTED AND ARE TO BE UNIFORMLY SPACED ALONG THE LENGTH AND

APPROVED EQUAL), AND HAVE A MIN. DIAMETER AS NOTED ON THE PLANS, PROFILES AND/OR DETAILS.

1. TOP 12" OF STONE MAY BE REPLACED WITH A CLEAN 3/4" STONE TO AID IN PIPE INSTALLATION.

CIRCUMFERENCE OF THE PIPE, OR HAVE APPROVED EQUIVALENT PERFORATIONS.

THE SITE GEOLOGY AND CONDITIONS THAT REQUIRE ADDITIONAL OVERSIGHT BY A PROFESSIONAL GEOLOGIST,

NOTE: WHEN PIPES ARE TO BE INSTALLED IN FILL CONDITION, THE PLACEMENT OF FILL MATERIAL SHALL BE AS FOLLOWS: A. THE SOIL SHALL BE PLACED IN LOOSE LAYERS NO GREATER THAN 8 INCHES THICK AND

HEN COMPACTED WITH APPROPRIATE COMPACTION EQUIPMENT. B. NO FILL PLACEMENT SHALL TAKE PLACE DURING WET WEATHER AND NO FILL SHALL BE PLACED ON A FROZEN SUBGRADE.

STORM PIPE / ROOF LEADER TRENCH NOT TO SCALE

- PVC THREADED PLUG WITH A RECESSED SOCKET THREADED ADAPTER WELDED BY PVC SOLVENT 6" AASHTO #8
CRUSHED STONE - RISER PIPE, SEE PLAN AROUND RISER PIPE--BEND AS REQUIRED TO MAKE RISER VERTICAL ROOF LEADER - STORM SEWER PIPE

- WYE BRANCH AS REQUIRED CLEANOUT SHOWN IN GRASS/LAWN AREA. 2. CLEANOUTS IN SIDEWALKS OR PAVED AREAS SHALL BE SET AT FINISHED GRADE WITH A 12"x12"x6" THICK CONCRETE PAD AT THE SURFACE. STORM SEWER CLEANOUT (PVC ROOFLEADERS) NOT TO SCALE

AVEN PA 17

DA

CSM TAIL

CHECKED BY DRAWN BY: SPG

BRK DATE: AUGUST 27, 2024 PROJECT NO .:

24426-036

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2"x2"x36" WOODEN STAKES 1

NOT TO SCALE

FILTER BAG INLET PROTECTION - TYPË C INLET

NOT TO SCALE

NOT TO SCALE

SHEET: