

PROJECT DESCRIPTION/SITE CHARACTERISTICS

LAND USE PAST <u>FARMLAND</u> PRESENT <u>VACANT/IDLE LAND</u> PROPOSED <u>CONVENIENCE STORE WITH FUELING ISLANDS</u> RECEIVING WATERS ADJACENT WETLANDS

CONSTRUCTION NOTES

SEQUENCE OF INSTALLATION OF PCSM BMP'S

NOTE: CRITICAL STAGE REQUIRING OVERSIGHT BY LICENSED PROFESSIONAL

1. WHEN ALL SURFACES TRIBUTARY TO THE PCSM BMP'S, RAIN GARDENS, VEGETATED SWALE, VOLUME STORAGE BMP'S, AND LANDSCAPE RESTORATION AREAS, HAVE ACHIEVED PERMANENT VEGETATION, DEFINED AS THE ESTABLISHMENT OF A UNIFORM 70% VEGETATIVE COVER OF EROSION RESISTANT PERENNIAL SPECIES OR COVERED WITH AN ACCEPTABLE PERMANENT BMP; SUCH AS, PAVEMENT FOR STREETS AND SIDEWALKS, THE PCSM BMP'S CAN BE CONSTRUCTED ACCORDING TO THE FOLLOWING SEQUENCE:

SUBSURFACE INFILTRATION BED PCSM BMP'S

- 2.EXCAVATE BMP'S TO THE DEPTH NEEDED TO ADD THE ROCK LAYER AND TERRE ARCH STRUCTURES TO THE REQUIRED FINAL DEPTH. SCARIFY THE BASIN FLOOR TO A MINIMUM DEPTH OF 18 INCHES AND AVOID
- COMPACTION OF THE BASIN FLOOR. 3. OUTFALL DEVICES: SUCH AS, PIPES AND RISERS, CAN NOW BE INSTALLED AND BECOME OPERATIONAL.
- 4.BACKFILL AREA WITH STONE AS REQUIRED BY MANUFACTURERS SPECIFICATIONS. 5.COMPLETE FINAL LEVELING TO ACHIEVE PROPOSED DESIGN ELEVATIONS.
- 6. STABILIZE ALL SURROUNDING DISTURBED SOIL SURFACES BY SEEDING AND MULCHING 7. ADDITIONAL SITE LANDSCAPE PLANTINGS CAN TAKE PLACE AT THIS TIME OR IN THE NEAR FUTURE.

RECYCLING & DISPOSAL OF WASTE MATERIALS

- UPON COMPLETION OF CONSTRUCTION THE OWNER IS RESPONSIBLE TO ASSURE WASTES THAT RESULT FROM NORMAL MAINTENANCE OF THE PCSM BMP'S ARE PROPERLY DISPOSED. LITTER AND TRASH THAT COULD ACCUMULATE IN DRAINAGE FACILITIES MUST BE REMOVED DURING MAINTENANCE AND PROPERLY DISPOSED ACCORDING TO DEP REGULATORY REQUIREMENTS, SEE BELOW. DEAD OR DYING VEGETATION OR GRASS CLIPPINGS MUST BE DISPOSED AT AN APPROVED YARD WASTE RECYCLING FACILITY. ACCUMULATED SEDIMENT THAT IS REMOVED DURING REPAIR AND MAINTENANCE MUST BE PLACED IN AN UPLAND LOCATION OR REMOVED FROM THE PROPERTY AND IMMEDIATELY STABILIZED WITH SEED AND MULCH.
- ALL WASTES SHALL BE REMOVED FROM THE SITE AND RECYCLED OR DISPOSED OF IN ACCORDANCE WITH THE DEPARTMENT'S SOLID WASTE MANAGEMENT REGULATIONS AT 25 PA. CODE 260.1 ET SEQ., 271.1, AND 287.1 ET. SEQ. NO BUILDING MATERIALS OR WASTES OR UNUSED BUILDING MATERIALS SHALL BE BURNED, BURIED, DUMPED, OR DISCHARGED AT THE SITE.
- SHOULD SHALE BEDROCK BE EXPOSED DURING EXCAVATION THE FOLLOWING STEPS MUST BE TAKEN: NOTIFY THE GEOTECHNICAL ENGINEER-OF-RECORD (GER) IMMEDIATELY IF DECOMPOSED, WEATHERED AND/OR INTACT SHALE BEDROCK IS ENCOUNTERED. THE GER SHALL VISIT THE SITE WITHIN 24 HOURS TO DETERMINE IF ADDITIONAL LABORATORY TESTING (TOTAL SULFUR AND NEUTRALIZATION POTENTIAL) IS WARRANTED. ADDITIONAL COMMUNICATION BETWEEN THE SITE CIVIL ENGINEER, THE GER AND THE PADEP WILL BE REQUIRED TO REVIEW ANY LABORATORY RESULTS AND TO DETERMINE THE MOST APPROPRIATE REMEDIAL PROGRAM, IF WARRANTED

LICENSED PROFESSIONAL MUST OVERSEE IMPLEMENTATION OF ALL PCSM BMP'S

THIS INVOLVES INSTALLATION OF A PROPRIETARY SUBSURFACE STORMWATER STORAGE SYSTEM, TERRE ARCH PROVIDED BY CONTECH. CONTRACTOR IS RESPONSIBLE FOR OBTAINING INSTALLATION AND MAINTENANCE SPECIFICATIONS FROM CONTECH TO ASSURE PROPER IMPLEMENTATION OF THESE BMP'S.

MAINTENANCE NOTES

STONE EDGE

FILL, TYP.

STONE BASE

OPENING FOR PIPE OR

FOR COMMUNICATING WITH ADJACENT

TRIBUTION MANIFOLD

DOGHOUSE OPENING

REGULAR MAINTENANCE IS NEEDED INITIALLY AFTER CONSTRUCTION AND CONTINUING INSPECTION AND MAINTENANCE IS REQUIRED TO ASSURE PROPER OPERATION OF ALL BMP'S. THE CONTRACTOR MUST MAINTAIN A WRITTEN REPORT ON THE PROJECT SITE DOCUMENTING EACH INSPECTION AND ALL REPAIR OR REPLACEMENTS AND MAINTENANCE

SHOULD ROUTINE INSPECTION REVEAL THAT A PCSM BMP IS NOT FUNCTIONING AS DESIGNED, THE OWNER MUST IMMEDIATELY TAKE ACTION TO CORRECT THE PROBLEM. STRUCTURAL FAILURES SUCH AS, BROKEN OR CLOGGED PIPES CAN BE RESOLVED BY REPLACING AND REPAIRING THE BMP TO THE ORIGINAL DESIGN (SEE PCSM BMP MAINTENANCE GUIDELINES FOR THIS PROJECT'S SPECIFIC BMP'S SHOWN BELOW). SHOULD A PCSM BMP CONSTRUCTED TO THE ORIGINAL DESIGN SPECIFICATIONS FAIL TO FUNCTION, THE OWNER MUST IMMEDIATELY CONTACT A STORMWATER DESIGN ENGINEER/PROFESSIONAL TO EVALUATE THE PROBLEM AND RECOMMEND CORRECTIONS. ANY MODIFICATION PROPOSED TO ADDRESS THE PROBLEM MUST BE SUBMITTED TO THE BEDFORD COUNTY CONSERVATION DISTRICT AND DEP FOR REVIEW AND APPROVAL PRIOR TO INITIATING IMPLEMENTATION OF CORRECTIVE ACTIONS.

SUBGRADE SOIL, PER ENGINEER

OF RECORD REQUIREMENTS

TYPICAL BACKFILL DETAIL

STONE BASE

ELEVATION VIEW

TYPICAL DISTRIBUTION MANIFOLD

FILTER FABRIC OR GEOTEXTILE IS RECOMMENDED WHERE SILT MIGRATION FROM THE SIDES OR TOP INTO THE VOID SPACE OF THE STONE IS POSSIBLE

B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE TERRE ARCH AND ASSOCIATED STRUCTURES

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY

. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL TERRE ARCH STRUCTURES, DISTRIBUTION MANIFOLDS AND CAPPING SLAB SECTION

E. CONTRACTOR TO PROVIDE. INSTALL. AND GROUT PIPES. MATCH ALL PIPE INVERTS WITH FINAL CONTECH CONTRACT DRAWINGS

. STRUCTURE SHALL MEET AASHTO HS25 LOAD RATING, ASSUMING EARTH COVER OF 1' - 10' ABOVE TOP OF ARCH.

). CONTRACTOR TO INSTALL TWO STRAP CONNECTIONS (PROVIDED BY CONTECH) AT EACH CAPPING SLAB.

I' MINIMUM EARTH COVE ABOVE TOP OF ARCH. CONTECH RECOMMENDS STONE FOR THE FIRST 6" OF COVER

NOTE: DOGHOUSE OPENINGS LOCATED ON BOTH SIDES WHEN DISTRIBUTION PLAN VIEW

MANIFOLD IS LOCATED BETWEEN

<u>SENERAL NOTES</u>

. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.

TERRE ARCH UNITS

REPRESENTATIVE, www.ContechES.com

(LIFTING CLUTCHES PROVIDED

FILTER FABRIC

BY CONTECH)

STONE FILL ABOVE ARCHES

Ø24" OPENINGS TYPICAL IN

-RISER AND DISTRIBUTION MANIFOLD TOP SLABS

GRADE ADJUST,

BY CONTRACTOR

24" x 45 1/4" RISER WHEN REQUIRED

DOGHOUSE

YP (3) PER SIDE.

TERRE ARCH

UNIT BEYOND

WHEN REQUIRED

TOP OF PARAPET WALL

-PAVEMENT

IN ACCORDANCE WITH PERMIT CONDITIONS,, WHERE PCSM BMP'S ARE FOUND TO BE INOPERATIVE OR INEFFECTIVE DURING AN INSPECTION OR ANY OTHER TIME THE PERMITTEE BECOMES AWARE OF ANY INCIDENT CAUSING OR THREATENING POLLUTION AS DESCRIBED IN TITLE 25 PA CODE § 91.33, AS REQUIRED IN TITLE 25 PA CODE § 92A.41(B), THE PERMITTEE AND CO-PERMITTEE SHALL WITHIN 24 HOURS CONTACT THE DEPARTMENT OR AUTHORIZED COUNTY CONSERVATION DISTRICT BY PHONE OR PERSONAL CONTACT, FOLLOWED BY SUBMISSION OF A WRITTEN REPORT WITHIN FIVE (5) DAYS OF THE INITIAL CONTACT.

SUBSURFACE INFILTRATION BED BMP'S

MANUFACTURER SPECIFIED MAINTENANCE PROGRAM MUST BE IMPLEMENTED FOR THIS BMP.

UPON COMPLETION OF THE PROJECT AND SUBMISSION OF THE REQUIRED NOTICE OF TERMINATION (NOT) THE RECORD DRAWINGS SHALL INCLUDE THE FOLLOWING EXECUTED CERTIFICATION, WITH THE PROFESSIONAL'S SEAL:

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

OWNERSHIP/OPERATION/MAINTENANCE:

M&G REALTY/RUTTERS, AS THE OWNER OF THIS DEVELOPMENT, WILL BE RESPONSIBLE FOR THE DAY TO DAY OPERATION AND MAINTENANCE OF THE PERMANENT FACILITIES AND WILL BE ULTIMATELY RESPONSIBLE FOR LONG-TERM MAINTENANCE OF THE PERMANENT STORMWATER BMP'S. UPON COMPLETION OF CONSTRUCTION AND ESTABLISHMENT OF THE PERMANENT VEGETATION, THE BIO-RETENTION AREAS SHALL BE INSPECTED BE INSPECTED AND REPAIRED AS NEEDED ACCORDING TO THE ABOVE NOTES. A WRITTEN REPORT WILL BE MAINATIANED AT THE SITE DOCUMENTING ALL INSPECTION AND MAINTENANCE ACTIVITIES.

TERRE ARCH 48

PERFORMANCE, DESIGN & INSTALLATION SPECIFICATIONS

THE TERRE ARCH 48 IS A PRECAST CONCRETE MODULAR ROMAN ARCH STRUCTURE WITH 5000PSI COMPRESSIVE STRENGTH CONSISTING OF THREE CONNECTED PARALLEL VAULTS FOR SUBSURFACE STORAGE OF STORMWATER.

- INFILTRATION TO RECHARGE THE GROUND WATER; DETENTION WHERE SITE CONDITIONS REQUIRE HS-25 LOAD RATING ON THE CROWN OF THE ARCH; NO MINIMUM COVER OR FILL REQUIREMENTS; NO REQUIREMENT FOR STONE BETWEEN THE ARCHES OR ABOVE THE STRUCTURE; DIRECT ACCESS FOR HEAVY INSTALLATION EQUIPMENT. (PERIMETER STONE FILL IS REQUIRED PRIOR TO INSTALLATION EQUIPMENT ACCESS);
- MINIMUM STONE SUB-BASE DEPTH OF SIX (6") INCH WITH A MINIMUM SUBSURFACE BEARING CAPACITY OF 3000
- PSF; STONE BASE MAY BE INCREASED BY ENGINEER, IF REQUIRED TO BALANCE LOADS; MAXIMUM COVER UP TO 20 FT. (VERIFY SUB-BASE DEPTH AND SOIL BEARING CAPACITY);
- A WATER QUALITY TREATMENT DEVICE, SUCH AS TERRE KLEEN, SHOULD BE PLACED UPSTREAM FROM THE TERRE ARCH TO PREVENT ENTRY OF SEDIMENT, OIL, GREASE, LITTER, AND DEBRIS INTO TERRE ARCH
- 160 FT 2 (8 FEET BY 20 FEET) INFILTRATION SURFACE PER STRUCTURE;
- 638 FT 3 (5.32FT 3 /FT 2) OF IN CUSTOMARY INSTALLATION (I.E. 6" STONE BED (5" #8 AND 1" #5 STONE) AND VALLEYS BETWEEN ARCHES FILLED WITH 4" OF STONE TO THE TOP OF THE BUTTRESSES & 6" OF STONE COVER);
- TERRE ARCH 48 WEIGHS 15.700 LBS.: PLACEMENT FROM TRUCK INTO THE PREPARED EXCAVATION BY CRANE:
- VENT AND DRAIN HOLES CAST AT THE TOP OF THE ARCH AND IN THE VALLEY AREAS OF THE TERRE ARCH; DISTRIBUTION HOLES ARE CAST INTO THE LEGS OF THE ARCHES TO ALLOW FLOW BETWEEN ALL SECTIONS;
- THE ANTI-SCOUR AND EROSION MAT REQUIRED UNDER MANIFOLD AND TERRE ARCH WHERE INFLOW OCCURS;
- 12. NO GRADE SUBSIDENCE OR MISALIGNMENT WITH PROPER INSTALLATION;
- 13. NO REQUIREMENT FOR SPACING OR BACKFILLING BETWEEN EACH STRUCTURE:
- 14. NO REQUIREMENT FOR GEOTEXTILE SEPARATION LAYER BELOW. USE FILTER FABRIC OR GEOTEXTILE WHERE SILT MIGRATION FROM THE SIDES OR TOP INTO THE STONE'S VOID SPACE IS POSSIBLE.
- MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND SUCH OTHER INFORMATION REQUESTED BY ENGINEER; 16. EACH TERRE ARCH SHALL HAVE FOUR (4) LIFTING POINTS WITH UNI-LIFT PINS. CONTRACTOR SHALL PROVIDE EQUIPMENT
- WITH SUFFICIENT LIFTING CAPACITY TO UNLOAD AND SET THE TERRE ARCH;
- 17. CONTRACTOR SHALL EXCAVATE, DEWATER AND SHORE AS REQUIRED BY ENGINEER OR SAFETY REGULATIONS; 18. TERRE ARCH DISTRIBUTION BOX SHALL INCLUDE RISER SECTIONS THAT EXTEND TO GRADE WITH MANHOLE ACCESS INTO
- 19. WARRANTY: 4 YEARS FROM DATE OF SUBSTANTIAL COMPLETION FOR LABOR AND MATERIAL IN THE EVENT THAT THE MATERIAL SUPPLIED IS NOT FREE FROM DEFECTS; STRUCTURE SHALL BE INSTALLED ONLY FOR THE PARTICULAR APPLICATION FOR WHICH IT WAS SPECIFICALLY MANUFACTURED;
- 20. TERRE ARCHINSTALLATION MAY REQUIRE DISTRIBUTION BOX(ES) AND END CAPS AS SHOWN ON THE DRAWINGS.

EACH ARCH ROW OF EACH TERRE ARCH.

ENTIRE TERRE ARCH SYSTEM.

- NO SUBSTITUTE SYSTEM SHALL BE APPROVED AS EQUIVALENT TO TERRE ARCH SYSTEM UNLESS THE ENGINEER SHALL RECEIVE AND APPROVE DRAWINGS AND SPECIFICATIONS STAMPED AND SEALED BY A PROFESSIONAL ENGINEER PROJECT SPECIFIC SIZING CALCULATIONS CLEARLY SHOWING THAT THE UNIT MEETS OR EXCEEDS THE
- PERFORMANCE, DESIGN AND INSTALLATION SPECIFICATIONS OF THE TERRE ARCH. SYSTEM SHALL ALLOW ACCESS FROM GRADE THROUGH MANHOLE INTO THE ENTIRE UNDERGROUND SYSTEM
- MAINTENANCE PROCEDURES
- WHEN A PROPER WATER QUALITY DEVICE IS PLACED IN FRONT OF THE TERRE ARCH SYSTEM NO CLEAN OUT

3. SYSTEM SHALL CONTAIN SUFFICIENT DISTRIBUTION MANIFOLDS TO ALLOW ENTRY FOR INSPECTION AND MAINTENANCE INTO

TERRE ARCH 48 UNITS

FOUNDATION STONE DEPTH (SD)

COVER STONE DEPTH (SD)

OUTLET STRUCTURE TYPE

OUTLET STRUCTURE TOP UNIT

OUTLET STRUCTURE CREST ELEV.

100 YR WATER SURFACE ELEV.

2 YR WATER SURFACE ELEV.

PONDING DEPTH (PD)

INSPECTION CAN BE ACCOMPLISHED FROM GRADE WITH PROPER EQUIPMENT, BY ENTRY THROUGH THE MANHOLE OPENINGS IN THE DISTRIBUTION MANIFOLD.

SUBSURFACE INFILTRATION BED BMP SCHEDULE:

51

1.5 FT

1.0'

0.5'

M TOP

RISER

663.00

1061.33

1059.85

2.0 FT

1.0'

0.5'

M TOP

RISER

660.00

1062.58

1060.48

TYPICAL LAYOUT

16

1.5 FT

1.0'

0.5'

C TOP

RISER

665.00

1062.07

1058.54

27

2.0 FT

1.0'

0.5'

C TOP

riser

666.00

1055.98

1055.25

663.00

664.00

671.00

664.00

663.50

PIPE 6

27

1.5 FT

1.0'

0.5'

C TOP

riser

666.50

1059.37

1056.43

664.00

665.00

671.20

666.00

663.00

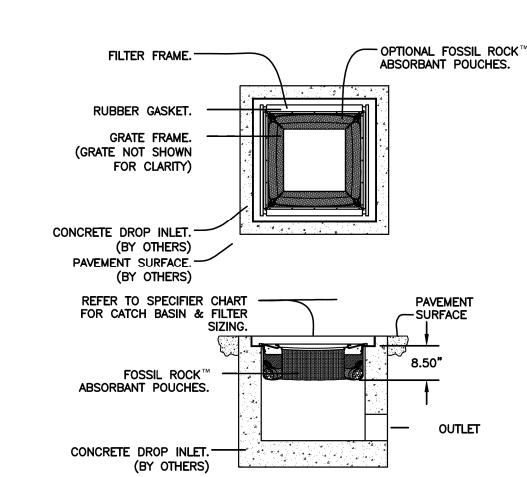
PIPE 8

SPECIFIER CHART INLET ID GRATE OD FF-12D GRATED INLET FF-16D 16" X 16" | 18" X 18" GRATED INLET 18" X 18" | 20" X 20" FF-18D **GRATED INLET** FF-1836SD 18" X 36" | 18" X 40" | GRATED INLET FF-1836DGO 18" X 36" | 18" X 40" | COMBINATION INLET FF-24D 24" X 24" | 26" X 26" | GRATED INLET FF-2436SD 24" X 36" | 24" X 40" | GRATED INLET (BY OTHERS) FF-24DGO 24" X 24" | 18" X 26" | COMBINATION INLET FF-2436DGO 24" X 36" | 24" X 40" | COMBINATION INLET FF-36D (2 PIECE) 36" X 36" 36" X 40" GRATED INLET FF-3648D (2 PIECE) 36" X 48" 40" X 48" GRATED INLET OPTIONAL FOSSIL ROCK ABSORBANT POUCHES FOUR EACH STAINLESS STEEL FILTER FRAME WITH RUBBER GASKET. POLYPROPYLENE GEOTEXTILE FILTER ELEMENT. STAINLESS STEEL SUPPORT HOOK. FOUR EACH.

CATCH BASIN

(BY OTHERS)

- 1. FILTER INSERT SHALL HAVE A HIGH FLOW BYPASS FEATURE.
- 2. FILTER SUPPORT FRAME SHALL BE CONSTRUCTED FROM STAINLESS STEEL TYPE 304.
- 3. FILTER MEDIUM SHALL BE FOSSIL ROCKF, INSTALLED AND MAINTAINED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
- 4. STORAGE CAPACITY REFLECTS 80% OF MAXIMUM SOLIDS COLLECTION PRIOR TO IMPEDING FILTERING BYPASS.



SECTION VIEW

WATER QUALITY INLET INSERT

TERRE ARCH SCOUR PROTECTION NOTES:

WATER QUAILITY INLET INSERT

BASIN INSERT FILTERS BE

SERVICE PROCEDURES:

RECOMMENDED FREQUENCY OF SERVICE:

ON-SITE EVALUATION, UPON REQUEST.

AND DURING THE SUMMER RAIN SEASON.

DPS GUIDELINES FOR THE TIMING OF SERVICE ARE AS FOLLOWS:

ON A RECURRING BASIS (NO LESS THAN THREE TIMES PER YEAR).

RECOMMENDED TIMING OF SERVICE:

DRAINAGE PROTECTION SYSTEMS (DPS) RECOMMENDS THAT INSTALLED FLOGARD+PLUS CATCH

SERVICED ON A RECURRING BASIS. EACH INSTALLATION BE SERVICED A MINIMUM OF THREE TIMES PER

YEAR, WITH A CHANGE OF FILTER MEDIUM ONCE PER YEAR. DPS TECHNICIANS ARE AVAILABLE TO DO AN

FOR AREAS WITH A DEFINITE RAINY SEASON: PRIOR TO, DURING AND FOLLOWING THE RAINY SEASON.

FOR AREAS SUBJECT TO YEAR-ROUND RAINFALL: ON A RECURRING BASIS (AT LEAST THREE TIMES

3. FOR AREAS WITH WINTER SNOW AND SUMMER RAIN: PRIOR TO AND JUST AFTER THE SNOW SEASON

4. FOR INSTALLED DEVICES NOT SUBJECT TO THE ELEMENTS (WASH RACKS, PARKING GARAGES, ETC.):

1. THE CATCH BASIN GRATE SHALL BE REMOVED AND SET TO ONE SIDE. THE CATCH BASIN SHALL BE

VISUALLY INSPECTED FOR DEFECTS AND POSSIBLE ILLEGAL DUMPING. IF ILLEGAL DUMPING HAS OCCURRED, THE PROPER AUTHORITIES AND PROPERTY OWNER REPRESENTATIVE SHALL BE NOTIFIED AS SOON AS

USING AN INDUSTRIAL VACUUM, THE COLLECTED MATERIALS SHALL BE REMOVED FROM THE LINER.

WHEN ALL OF THE COLLECTED MATERIALS HAVE BEEN REMOVED, THE FILTER MEDIUM POUCHES shall be removed by unsnapping the tether from the D—Ring and set to one side. The filter

CONTINUED SERVICEABILITY. MINOR DAMAGE OR DEFECTS FOUND SHALL BE CORRECTED ON-THE-SPOT AND

EFFICIENCY OF THE FILTER (TORN LINER, ETC.), IF APPROVED BY THE CUSTOMER REPRESENTATIVE, WILL BE

THE FILTER MEDIUM POUCHES SHALL BE INSPECTED FOR DEFECTS AND CONTINUED SERVICEABILITY

THE GRATE SHALL BE REPLACED REPLACEMENT AND DISPOSAL OF EXPOSED FILTER MEDIUM AND

CORRECTED AND AN INVOICE SUBMITTED TO THE REPRESENTATIVE ALONG WITH THE MAINTENANCE RECORD.

(NOTE: DPS USES A TRUCK-MOUNTED VACUUM FOR SERVICING FLOGARD+PLUS CATCH BASIN INSERTS).

LINER, GASKETS, STAINLESS STEEL FRAME AND MOUNTING BRACKETS, ETC., SHALL BE INSPECTED FOR

A NOTATION MADE ON THE MAINTENANCE RECORD. MORE EXTENSIVE DEFICIENCIES THAT AFFECT THE

AND REPLACED AS NECESSARY, AND THE POUCH TETHERS RE-ATTACHED TO THE LINER'S D-RING.

COLLECTED DEBRIS THE FREQUENCY OF FILTER MEDIUM EXCHANGE WILL BE IN ACCORDANCE WITH THE

LEAST ONCE PER YEAR. DURING THE APPROPRIATE SERVICE, OR IF SO DETERMINED BY THE SERVICE

WITH NEW MATERIAL. ONCE THE EXPOSED POUCHES AND DEBRIS HAVE BEEN REMOVED, DPS HAS

POSSESSION AND MUST DISPOSE OF IT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL AGENCY

TECHNICIAN DURING A NON-SCHEDULED SERVICE, THE FILTER MEDIUM WILL BE REPLACED

EXISTING DPS-CUSTOMER MAINTENANCE CONTRACT. DPS RECOMMENDS THAT THE MEDIUM BE CHANGED AT

1. SCOUR PROTECTION MATS ARE SPECIFIED AND FURNISHED BY THE TERRE ARCH SUPPLIER, CONTECH ENGINEERED SOLUTIONS.

29

0 FT

1.0'

0.5'

C TOP

ORIFICE

667.00

1060.98

1058.83

666.00

667.00

673.10

667.00

665.00

PIPE 10

- 2. SCOUR PROTECTION MATTING IS TO BE PLACED AT ALL INFLUENT PIPE
- 3. ANTI SCOUR MATS ARE TO BE PLACED ON THE STONE BASE AND COVERED WITH THE EROSION MATS AS SHOWN PRIOR TO INSTALLING THE TERRE ARCH
- 4. EROSION MAT:
- TYPE: SYNTEEN SF 12 GEOGRID
- TYPE: TENCATE WOVEN FILTRATION MEDIA WHITE HONEYCOMB FILTER

FLOOR ELEV. 657.00 660.50 662.50 DRAIN HOLE -VENT HOLE -STURCTURE BOTTOM ELEV. 658.00 661.50 663.50 PLAN VIEW STURCTURE TOP ELEV. 669.00 675.50 669.10 DISCHARGE PIPE INV. 655.00 661.00 663.50 CONICAL VENT HOLE CONICAL DRAIN HOLE AT EACH CELL IN EACH VALLEY DISCHARGE PIPE OUTLET INV. 654.00 660.50 658.00 BETWEEN CELLS DISCHARGE PIPE PIPE 1 PIPE 19 PIPE 4 A LICENSED PROFESSIONAL SHALL OVERSEE CONSTRUCTION OF THIS BMP. CONVEYANCE PORTS: TYP. T4 x 4 1/4" UNI LIFT ANCHORS FOR DISTRIBUTION TERRE ARCH HANDLING, TYP. 2 PLACES EACH END 2 EACH INTERNAL LEG MANIFOLD **ELEVATION VIEW TERRE ARCH 48 STRUCTURE** FROSION GRID (UNDER DISTRIBUTION MANIFOLD AND ADJACENT TERRE ARCH UNITS) ANTI-SCOUR MAT UNDER EROSION GRID-INFLUENT PIPE EROSION GRID AND I. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC ANTI-SCOUR MAT USED ONLY AT INFLUENT PIPE(S TERRE ARCH WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.

- SIZE: 15'x22'
- 5. ANTI SCOUR MAT:
- SIZE: 6'-6"x15'

SUBSURFACE INFILTRATION BED

INFLUENT_

CTION ONSTRUC MANAGE HUNTINGDO ORMWAT

