

NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING

12" (300 mm)

MIN INSERTION

MC-SERIES END CAP INSERTION DETAIL

STORMTECH END CAP

Roadside kerb with gaps at regular

intervals to allow surface water to flow

into Bio Retention Area and infiltrate

into Tank.

40% Porous Stone Fill

Storm line, Wrapped in a

OPTIONAL INSPECTION PORT

MC-3500 END CAP

woven permeable geotextile.

TYPICAL DRY SWALE DETAIL

INSTALL FLAMP ON 24" (600 mm) ACCESS PIPE

PART #: MC350024RAMP

MC-3500 CHAMBER

- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418-16a, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER
- "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC

12" (300 mm) MIN INSERTION -

MANIFOLD STUB

12" (300 mm)

MIN SEPARATION

MANIFOLD HEADER

- 3. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
- 4. REQUIREMENTS FOR HANDLING AND INSTALLATION:
- TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING,
- TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, A) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/IN/IN., B) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23°, AND C) CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLOURS.

## **NOTES:**

- COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
- 2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
- CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
- TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".

4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH RELEVANT DRAWINGS AND SPECIFICATIONS. 5. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD

1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS

2. ALL DRAWINGS TO BE CHECKED BY THE CONTRACTOR

OF ANY DISCREPANCIES BEFORE ANY WORK COMMENCES

3. ENGINEER TO BE INFORMED BY THE CONTRACTOR

DRAWING

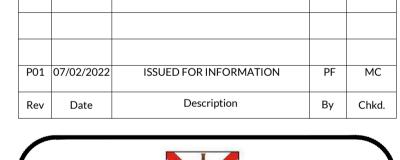
ON SITE

12" (300 mm)

MIN SEPARATION

MANIFOLD HEADER

MANIFOLD STUB





**DETAILS** 

**AS SHOWN** Scale @ A1: Date: Prepared by: Checked: M. CASEY FEB' 2022 P. FANNING Project Director: Brian Carroll Drawing Status: Information

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TYPICAL ATTENUATION TANK DETAIL SCALE N.T.S

24" (600 mm) HDPE ACCESS PIPE REQUIRED USE

PART #: MC3500IEPP24BC OR MC3500IEPP24BW

FACTORY PRE-CORED END CAP

## **INSPECTION & MAINTENANCE**

TREE PIT DETAIL

STORMTECH HIGHLY RECOMMENDS

FLEXSTORM INSERTS IN ANY UPSTREAM STRUCTURES WITH OPEN GRATES

**SCALE 1:25** 

STEP 1) INSPECT ISOLATOR ROW PLUS FOR SEDIMENT

A. INSPECTION PORTS (IF PRESENT)

SUMP DEPTH TBD BY

SITE DESIGN ENGINEER

(24" [600 mm] MIN RECOMMENDED)

A.1. REMOVE/OPEN LID ON NYLOPLAST INLINE DRAIN

REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED

USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG A.4. LOWER A CAMERA INTO ISOLATOR ROW PLUS FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)

CATCH BASIN

MANHOLE

A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

COVER PIPE CONNECTION TO END CAP WITH ADS GEOSYNTHETICS 601T NON-WOVEN GEOTEXTILE

B. ALL ISOLATOR PLUS ROWS B.1. REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW PLUS

B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW PLUS THROUGH OUTLET PIPE

) MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY ii) FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE

STEP 2) CLEAN OUT ISOLATOR ROW PLUS USING THE JETVAC PROCESS

A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED

B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.

B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN

C. VACUUM STRUCTURE SUMP AS REQUIRED

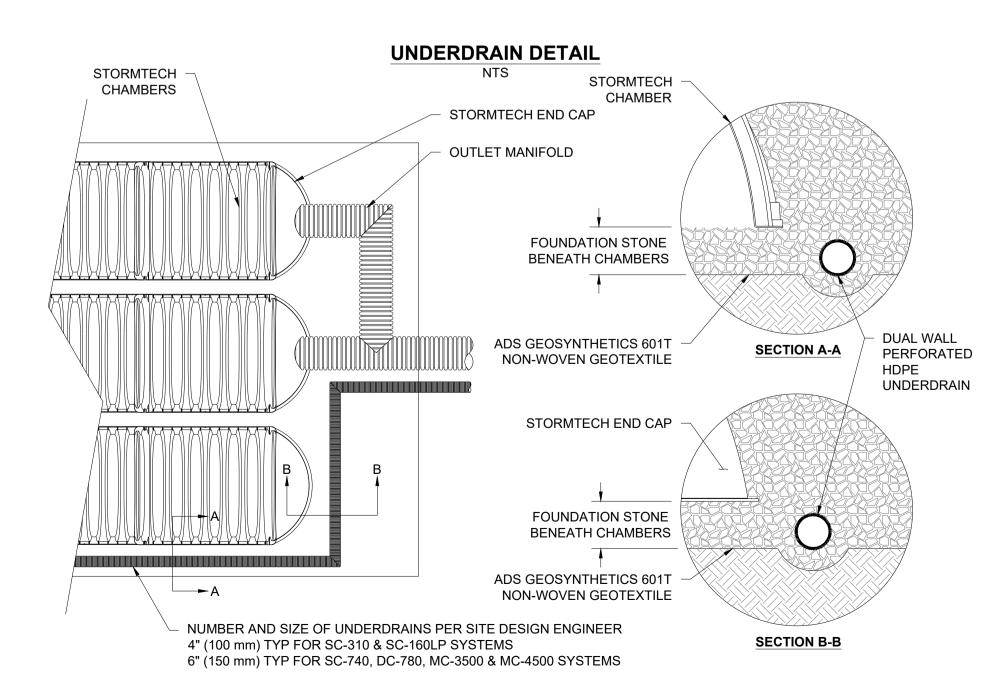
STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.

STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

## **NOTES**

1. INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH-WATER ELEVATIONS.

2. CONDUCT JETTING AND VACTORING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.



ONE LAYER OF ADSPLUS175 WOVEN GEOTEXTILE BETWEEN

8.25' (2.51 m) MIN WIDE CONTINUOUS FABRIC WITHOUT SEAMS

FOUNDATION STONE AND CHAMBERS