

ECOPURE & ISOLATOR ROW PLUS CROSS SECTION/PROFILE

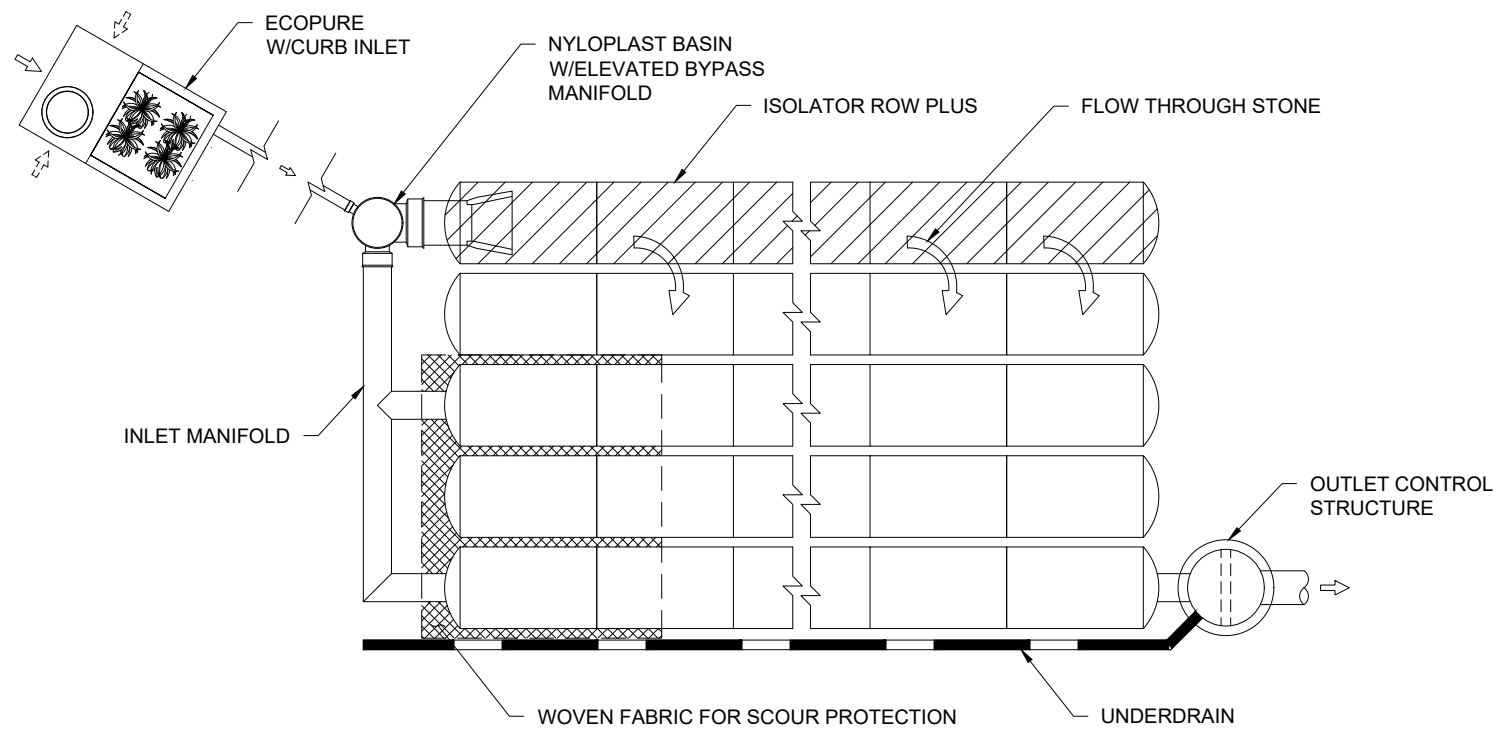
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ECOPURE TREATMENT RATE	
UNIT SIZE [FT (m)]	CFS (L/s)*
4X8 (1.2 X 2.4)	0.134 (3.8)
5X8 (1.5 X 4.0)	0.134 (3.8)
5X13 (1.5 X 4.0)	0.27 (7.6)
5X20 (1.5 X 6.1)	0.4 (11.3)
10X13 (3.0 X 4.0)	0.53 (15.0)
10X20 (3.0 X 6.1)	0.8 (22.7)
CUSTOM	CUSTOM

* BASED ON NJCAT/DEP FILTRATION TESTING PROTOCOL.

ISOLATOR ROW PLUS FLOW RATES			
CHAMBER MODEL	SURFACE LOADING RATE GPM/FT ² (L/S/m ²)	EFFECTIVE FILTRATION TREATMENT AREA FT ² (m ²)	MTFR CFS (L/S)*
SC-160	4.13 (2.8)	11.45 (1.064)	0.11 (2.983)
SC-310	4.13 (2.8)	17.7 (1.644)	0.16 (4.612)
SC-740	4.13 (2.8)	27.8 (2.583)	0.26 (7.244)
DC-780	4.13 (2.8)	27.8 (2.583)	0.26 (7.244)
SC-800	4.13 (2.8)	27.3 (2.541)	0.25 (7.128)
MC-3500	4.13 (2.8)	42.9 (3.986)	0.40 (11.178)
MC-4500	4.13 (2.8)	30.1 (2.796)	0.28 (7.843)
MC-7200	4.13 (2.8)	50.0 (4.645)	0.46 (13.028)

* PER CHAMBER LOADING RATES BASED ON NJCAT VERIFICATION TESTING OF THE STORMTECH SC-740 ISOLATOR ROW PLUS IN ACCORDANCE WITH NJDEP LABORATORY PROTOCOL TO ACCESS TOTAL SUSPENDED SOLIDS REMOVAL BY FILTRATION MANUFACTURED TREATMENT DEVICES, 2013.



ECOPURE & ISOLATOR ROW PLUS SCHEMATIC

NTS

KEY BENEFITS OF THE ECOPURE

- COMPACT LID/GREEN INFRASTRUCTURE TECHNOLOGY FOR ULTRA-URBAN APPLICATIONS
- UNIT HAS COMPARTMENTALIZED O&M SECTIONS
- CAN UTILIZE JURISDICTIONAL BIORETENTION MEDIA IN THE GROWTH SECTION
- LIVING SURFACE BIOMASS
- TRASH AND DRY STORAGE COMPONENT
- OPTIONAL INFILTRATION DESIGN COMPONENT
- 3-CELL UNITS AVAILABLE FOR ADDITIONAL HEAVY METALS REMOVAL AND IMPROVED TSS AND TP REMOVALS

ECOPURE MASS CAPTURE CAPACITY

UNIT SIZE [FT (m)]	LBS (kg)*
4X8 (1.2 X 2.4)	194 (88)
5X8 (1.5 X 4.0)	194 (88)
5X13 (1.5 X 4.0)	389 (176)
5X20 (1.5 X 6.1)	583 (264)
10X13 (3.0 X 4.0)	778 (353)
10X20 (3.0 X 6.1)	1166 (529)
CUSTOM	CUSTOM

* BASED ON NJCAT/DEP FILTRATION TESTING PROTOCOL.

ECOPURE PERFORMANCE

- THE ECOPURE BIOFILTER IS AN INLINE UNIT CAPABLE OF CONVEYING 100% OF THE DESIGN PEAK FLOW AND CAN BYPASS (INTERNALLY) EXCESSIVE FLOW RATES
- UP TO 60 GPM IN A 4' X 8' (1.2 X 2.4 m) UNIT, WITH LARGER FLOW RATE OPTIONS AVAILABLE
- GREATER THAN 85% REMOVAL OF TSS AND 70% REMOVAL OF DISSOLVED PHOSPHORUS

KEY BENEFITS OF A ECOPURE & ISOLATOR PLUS DESIGN

- ENHANCED SEDIMENT REMOVAL BY COMBINING TWO INDUSTRY PROVEN DEVICES
- EXTENDED MAINTENANCE CYCLES
- EASY TO INSTALL AND CONFIGURE TO SPECIFIC SITE CONSTRAINTS
- ONLINE DESIGN TOOLS ALLOW DESIGNERS TO EASILY CREATE LAYOUTS AND DETAILS

KEY BENEFITS OF STORMTECH CHAMBERS

- LARGE FAMILY OF CHAMBERS TO FIT YOUR SITE
- EASILY CONFIGURABLE FOR IRREGULAR SHAPED BEDS
- MEETS PRODUCT REQUIREMENTS OF ASTM F2418 AND ASTM F2922 AND DESIGN REQUIREMENTS OF ASTM F2787
- EXCEED AASHTO LRFD DESIGN SPECIFICATIONS FOR HS-20 LIVE LOADS & DEEP BURIAL EARTH LOADS
- PATENTED ISOLATOR ROW PLUS FOR LESS FREQUENT MAINTENANCE, WATER QUALITY AND LONG-TERM PERFORMANCE
- THIRD PARTY VERIFIED PERFORMANCE
- FIELD ENGINEERS AND INTERNAL ENGINEERING SERVICES DEPARTMENT TO ASSIST ENGINEERING WITH LAYOUTS

STORMTECH DESIGN TOOL

<https://designtool.ads-pipe.com/>

STORMTECH® + WQ STD DETAIL
ECOPURE® & ISOLATOR ROW PLUS®

DATE: 2/10/22
DRAWING #: 1403
DRAWN: KLJ
CHECKED: KMS

DATE	DESCRIPTION
2/06/24	KLJ DRWN CHKD
	CJD ADDED SC-800



4640 TRUJEMAN BLVD
HILLIARD, OH 43026

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINEER OR OTHER PROJECT REPRESENTATIVE. THE SITE DESIGN ENGINEER SHALL REVIEW THIS DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.