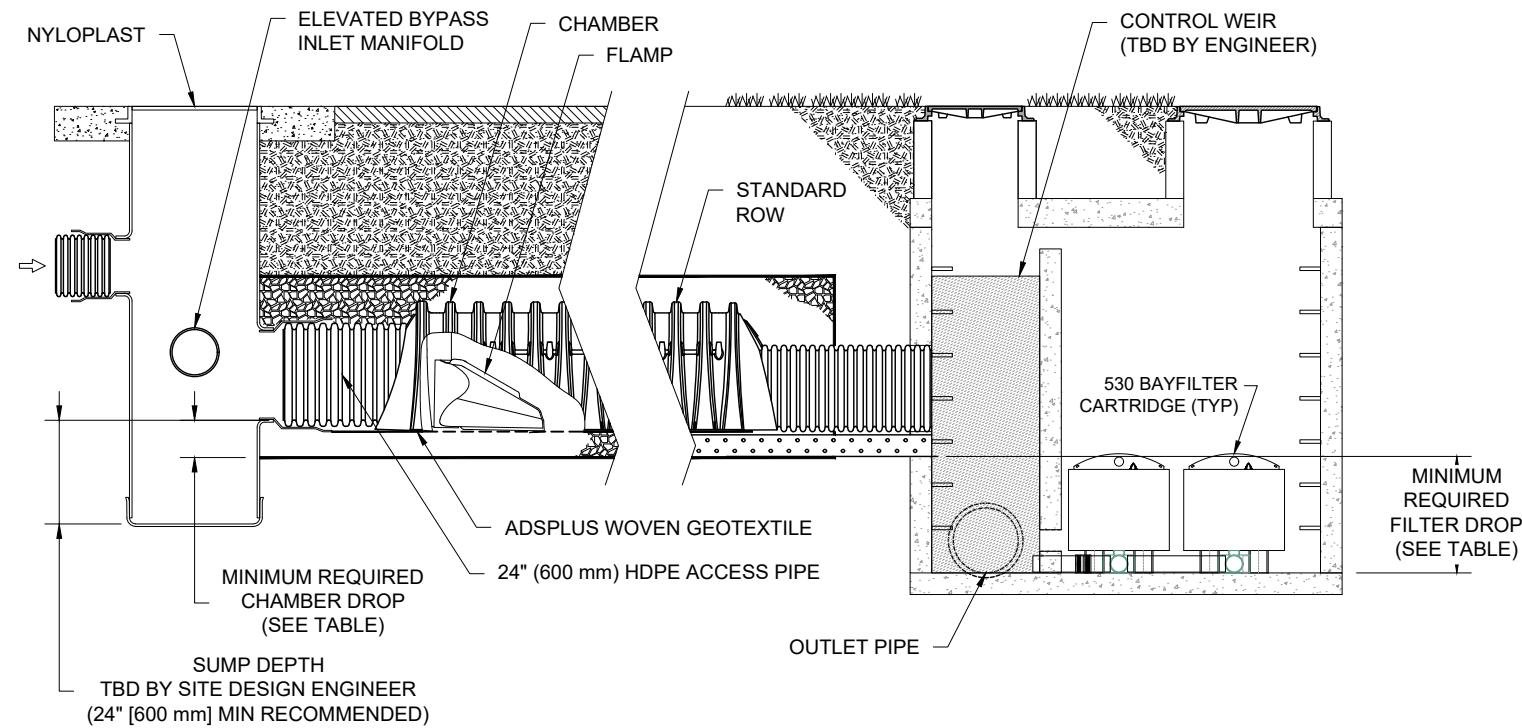
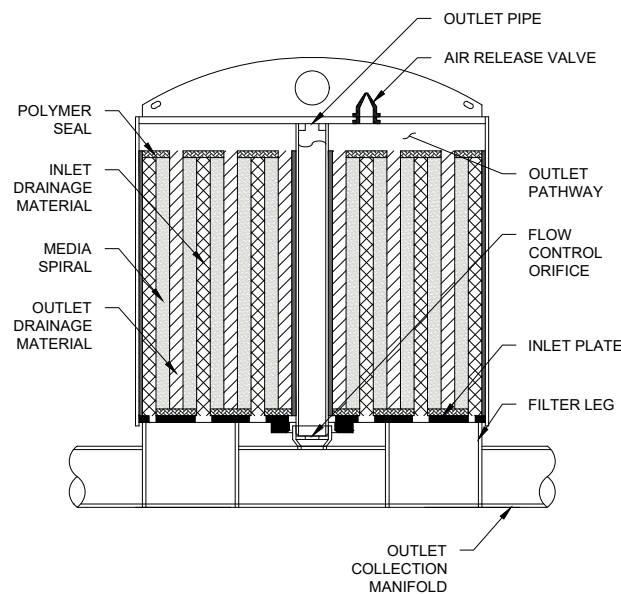


BAYFILTER TREATMENT FLOW	
FILTER MODEL	GPM (L/MIN)
522	22.5 (85.1)
530	30.0 (113.6)
545	45.0 (170.3)

BAYFILTER TREATMENT VOLUME	
FILTER MODEL	FT ³ (m ³)
522	1,250 (35.4)
530	2,500 (70.8)
545	2,500 (70.8)



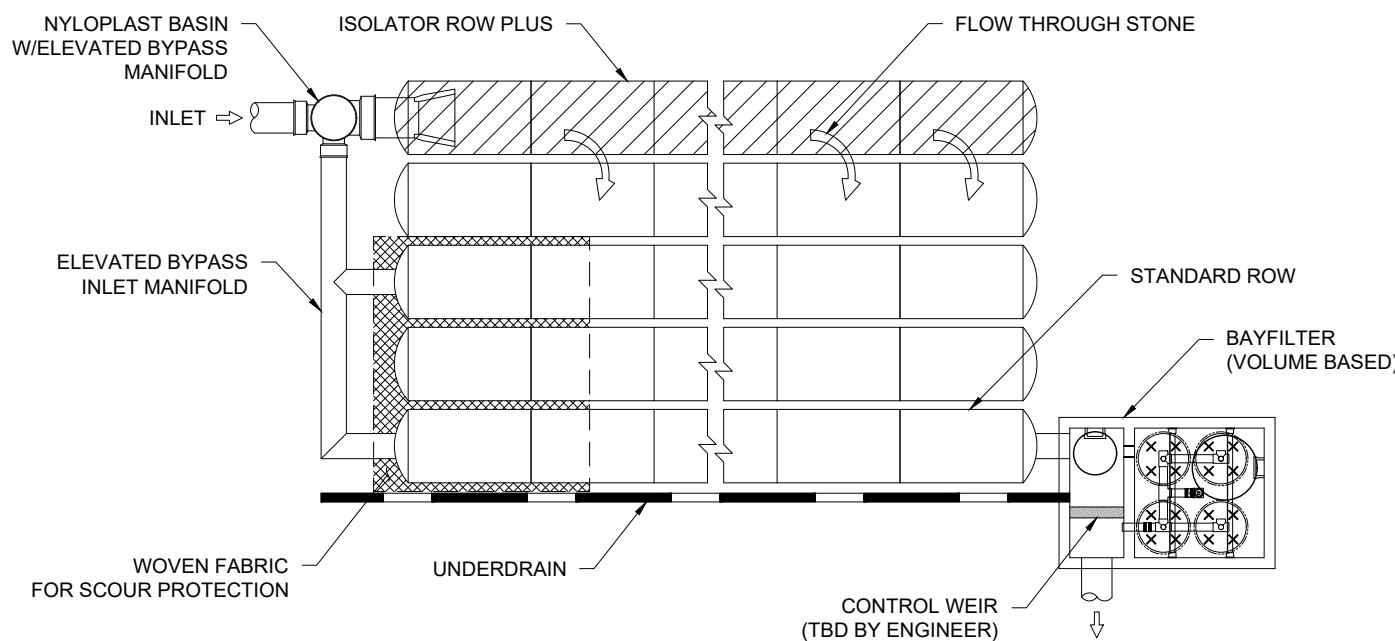
ISOLATOR ROW PLUS & BAYFILTER CROSS SECTION/PROFILE
NTS



FILTER CARTRIDGE SECTION

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.



ISOLATOR ROW PLUS & BAYFILTER SCHEMATIC
NTS

KEY BENEFITS OF BAYFILTER

- REMOVES GREATER THAN 80% TSS
- ENHANCED MEDIA IS CAPABLE OF REMOVING 65% OF TOTAL PHOSPHOROUS LOAD
- PREMIUM WATER QUALITY SYSTEM OFFERED BY ADS
- SYSTEMS ARE FULLY CUSTOMIZABLE
- CAN BE INSTALLED IN STANDARD MANHOLES OR PRECAST/CAST IN PLACE VAULTS FOR LARGER PROJECTS
- CAN BE DESIGNED FOR WATER QUALITY FLOW RATES OR WATER QUALITY VOLUMES
- LARGE FILTER SURFACE AREA DUE TO COILED FILTER MEDIA DESIGN
- CAPABLE OF HANDLING BETWEEN 150 TO 300 LBS OF SEDIMENT GREATLY REDUCING MAINTENANCE CYCLES

BAYFILTER CONFIGURATOR

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

BAYFILTER SEDIMENT CAPTURE CAPACITY*

FILTER MODEL	LBS (kg)
522	131 (59)
530	262 (119)
545	262 (119)

* BASED ON NJCAT TESTING PROTOCOL.

KEY BENEFITS OF A ISOLATOR PLUS & BAYFILTER DESIGN

- ENHANCED SEDIMENT REMOVAL BY COMBINING TWO INDUSTRY PROVEN DEVICES
- UPSTREAM ISOLATOR ROW PLUS SIGNIFICANTLY REDUCES BAYFILTER 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 WITH LAYOUTS

STORMTECH DESIGN TOOL

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

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

DATE: 2/10/22
DRAWING #: 1402
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.