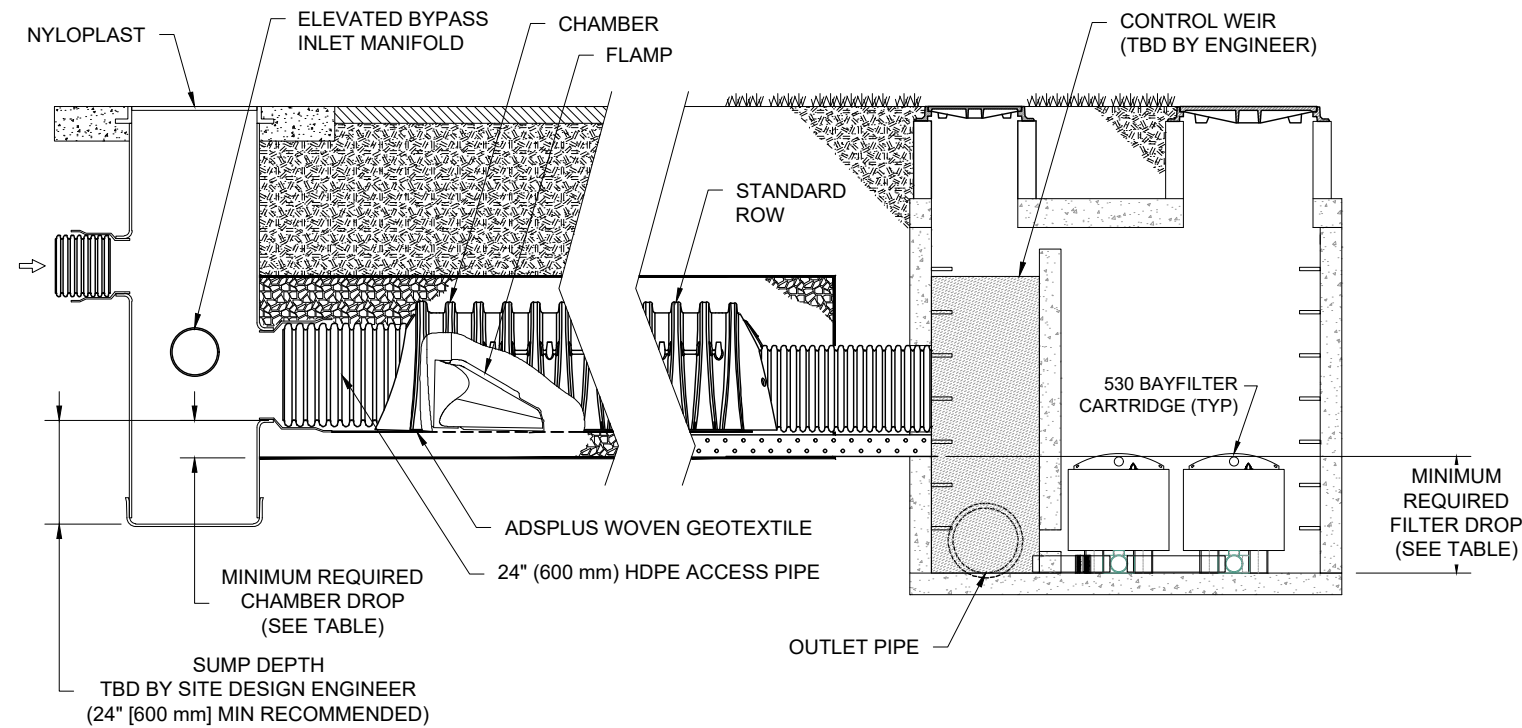


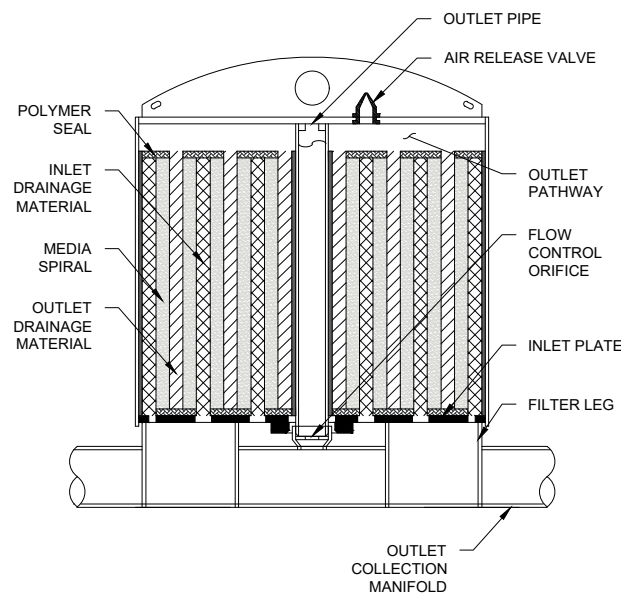
BAYFILTER TREATMENT FLOW	
FILTER MODEL	GPM (L/MIN)
522	22.5 (85.1)
530	30.0 (113.6)
545	45.0 (170.3)

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

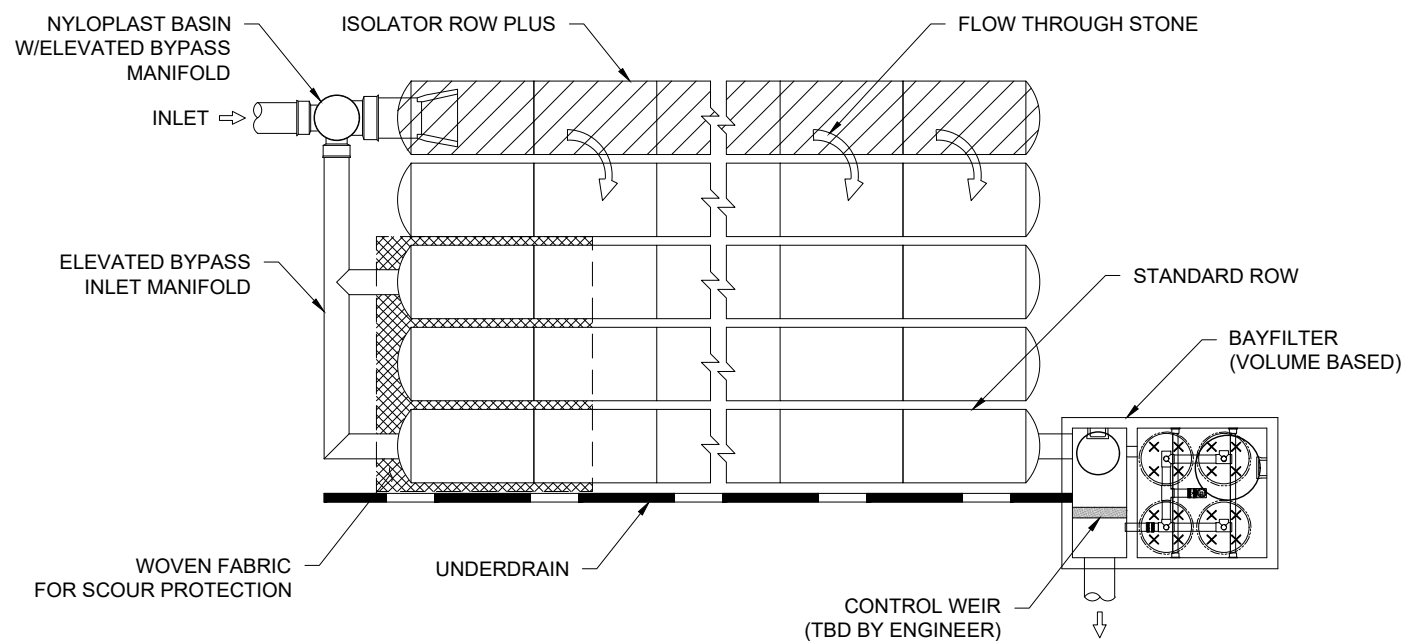
NTS



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)
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 ENGINEERING WITH LAYOUTS

STORMTECH DESIGN TOOL

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

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

DATE: 2/10/22
DRAWN: KLJ
PROJECT #: N/A
CHECKED: KMS

DATE	DRWN	CHKD	DESCRIPTION



4640 TRUJEMAN BLVD
HILLIARD, OH 43026