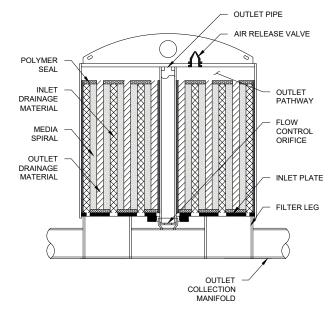
BAYFILTER T	REATMENT FLOW
FILTER MODEL	GPM (L/MIN)
522	22.5 (85.1)
530	30.0 (113.6)
545	45.0 (170.3)

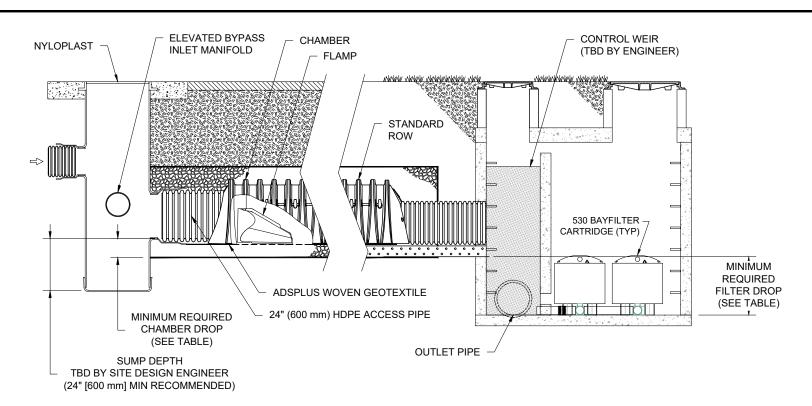
BAYFILTER TR	REATMENT VOLUME
FILTER MODEL	FT <sup>3</sup> (m <sup>3</sup> )
522	1,250 (35.4)
530	2,500 (70.8)
545	2,500 (70.8)



FILTER CARTRIDGE SECTION

	ISOLATOR ROW P	LUS FLOW RATE	S
CHAMBER MODEL	SURFACE LOADING RATE GPM/FT² (L/S/m²)	EFFECTIVE FILTRATION TREATMENT AREA FT <sup>2</sup> (m <sup>2</sup> )	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.

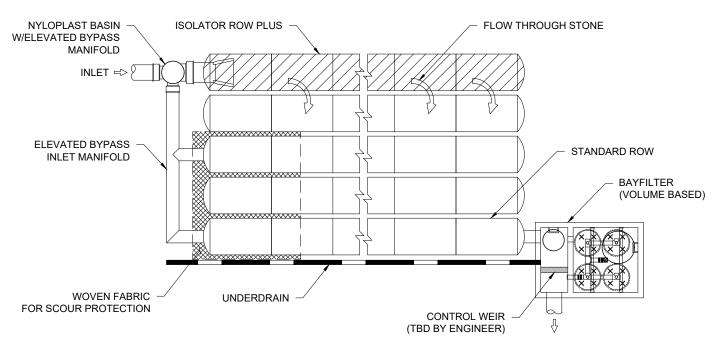


# **ISOLATOR ROW PLUS & BAYFILTER CROSS SECTION/PROFILE**

NTS

	CHAMBER MODEL	160	310	740	780	3500	4500 / 7200
CHAMBER INLE	T TO OUTLET DROP [IN (mm)]	5 (126)	6.9 (175)	6.1 (155)	9.1 (230)	11.1 (281)	11.3 (286)
FILTER MODEL	FILTER DROP [IN (mm)]		TO	TAL DROP RE	QUIRED [IN (m	im)]	
522	20 (508)	25 (635)	26.9 (683)	26.1 (663)	29.1 (739)	31.1 (790)	31.3 (795)
530	32 (813)	37 (940)	38.9 (988)	38.1 (968)	41.1 (1044)	43.1 (1095)	43.3 (1100)
545	34 (864)	39 (991)	40.9 (1039)	40.1 (1019)	43.1 (1095)	45.1 (1146)	45.3 (1151)

NOTE: IF THE DROP NOTED ABOVE CANNOT BE MET PLEASE CONTACT ADS ENGINEERING SERVICES AT 888-529-8188 FOR ASSISTANCE. THERE ARE ADVANCED DESIGN TECHNIQUES THAT ACCOMMODATE SMALLER DROPS.



# **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-2011/
- 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/

1	4640 TRUEMAN BLVD						
	HILLIARD, OH 43026						ISOLATOR ROW PLUS <sup>®</sup> & BAYFILTER
sн С							
) DF						DATE: 2/10/22	2/10/22 DRAWN: KLI
T		Advanced Urainage Systems, Inc.					
			DATE DRWN CHKD	/N CHKD	DESCRIPTION	PROJECT #: N/A	CHECKED: KMS
1	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 THE DRAWING PRIOR TO CONSTRUCTION. IT IS THE ULTIMATE REPONSIBILITY OF THE SITE DESIGN ENGINEER TO ENSURE THAT THE PRODUCTION DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.	DED TO ADS UNDER THE DIRECTION OF THE SITE DESIGN ENGINE E PRODUCT(S) BEPICTED AND ALL ASSOCIATED DETAILS MEET AI	EER OR OTHER PF	OJECT REP WS. REGUL	RESENTATIVE. THE SITE DESIGN ENGINEER SH ATIONS, AND PROJECT REQUIREMENTS.	HALL REVIEW THIS DRAWING PRIOR TO	D CONSTRUCTION. IT IS THE ULT