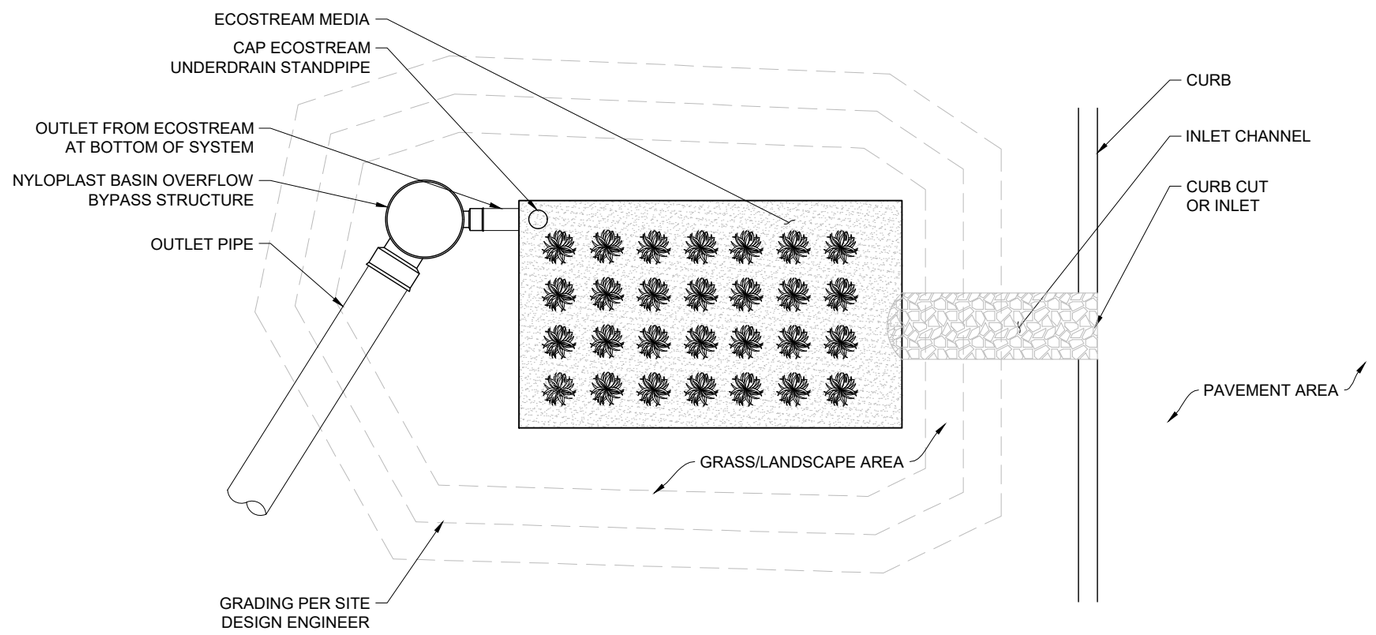
ECOSTREAM BIOFILTER		
UNIT	FILTER AREA (m^2)	MAX TREATMENT FLOW RATE (L/s)
ES48E	4.459	9.4
ES60E	5.574	11.8
ES72E	6.689	14.2
ES80E	7.432	15.7
ES91E	8.454	18.0
ES96E	8.919	18.9
ES100E	9.290	19.7
ES112E	10.405	22.0
ES120E	11.148	23.7
ES128E	11.892	25.2
ES144E	13.378	28.4
ES160E	14.864	31.5
ES168E	15.608	33.1
ES176E	16.351	34.7
ES225E	20.903	44.4
ES256E	23.783	50.5
ES289E	26.849	57.0
ES324E	30.101	63.9
ES360E	33.445	71.0

INTEGRATED BYPASS			
BASIN	GRATE	BYPASS (L/s)	HEAD REQ. (mm)
375	DOME	45.6	152
		64.6	305
		79.0	457
	FLAT	34.5	152
		49.0	305
		60.0	457
450	DOME	65.7	152
		91.5	305
		113.8	457
	FLAT	43.6	152
		61.7	305
		75.6	457
600	DOME	101.1	152
		143.0	305
		175.3	457
	FLAT	84.1	152
		102.8	305
		126.0	457
750	DOME	133.1	152
		216.6	305
		265.3	457
	FLAT	121.2	152
		171.3	305
		209.8	457

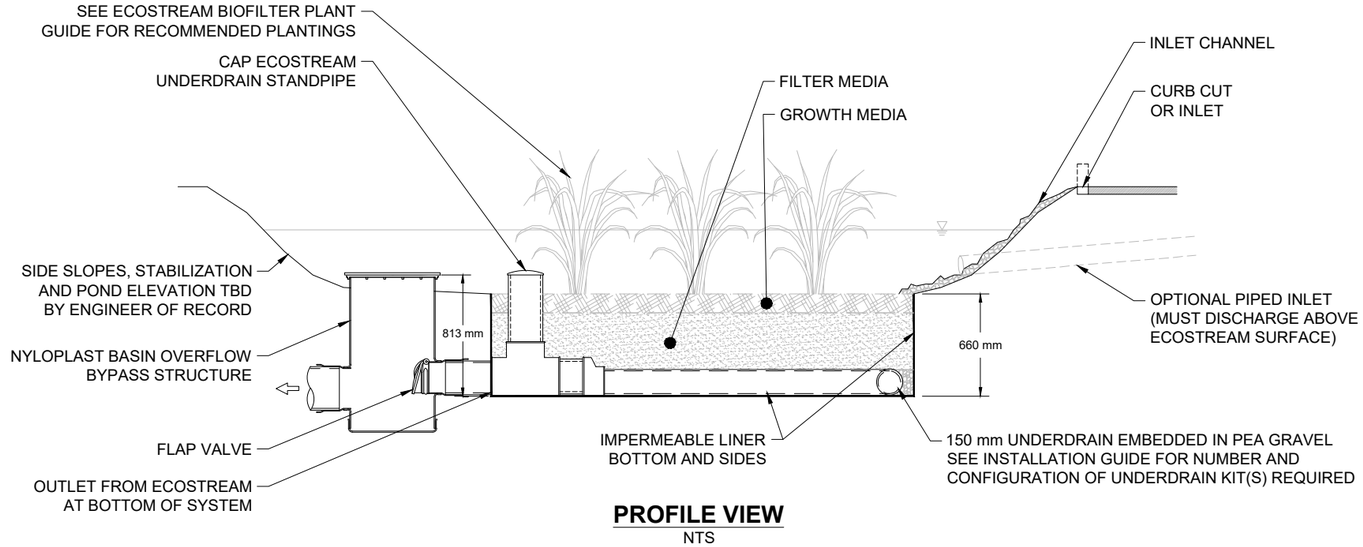
CALCULATIONS BASED ON USDOT/FHWA URBAN DESIGN MANUAL, HYDRAULIC ENGINEERING CIRCULAR NO. 22 THIRD EDITION, PUBLICATION NO FHWA-NHI-10-009, AND A 50% CLOGGING FACTOR.

ECOSTREAM BIOFILTER

- THE ECOSTREAM BIOFILTER IS A BIOFILTRATION STORMWATER TREATMENT TECHNOLOGY THAT RELIES ON PHYSICAL, CHEMICAL AND BIOLOGICAL MECHANISMS TO REMOVE TOTAL SUSPENDED SOLIDS, TOTAL PHOSPHORUS, TOTAL NITROGEN, HEAVY METALS, OIL AND GREASE, TRASH AND BACTERIA.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS AND FINALIZE GRADING TO MEET SITE CONDITIONS.
- THE SITE DESIGN ENGINEER MUST REVIEW THE INLET CHANNEL AND FINALIZE THE DESIGN TO MEET SITE CONDITIONS.
- WATER SURFACE ELEVATION ESTIMATED BASED ON THE INLET CAPACITY OF THE NYLOPLAST GRATE AND THE PROVIDED BYPASS FLOW RATE PER THE SITE DESIGN ENGINEER. SITE DESIGN ENGINEER MUST REVIEW THE WATER SURFACE ELEVATION AND FINALIZE THE DESIGN TO MEET THE PROJECT DESIGN PARAMETERS.
- ADS DOES NOT DESIGN OR PROVIDE MEMBRANE LINERS. TO MINIMIZE THE LEAKAGE POTENTIAL OF LINER SYSTEMS, THE MEMBRANE LINER SYSTEM SHOULD BE DESIGNED BY A KNOWLEDGEABLE GEOTEXTILE PROFESSIONAL AND INSTALLED BY A QUALIFIED CONTRACTOR.
- ADS DOES NOT RECOMMEND PLACING THE LINED ECOSTREAM SYSTEM IN THE WATER TABLE. FOR ASSISTANCE PLEASE CONTACT ADS.



PLAN VIEW
NTS



PROFILE VIEW
NTS

ECOSTREAM BIOFILTER
LINER INSTALLATION OPTION
ENHANCED MEDIA

DATE: 05/21/26 | DRAWN: JLM
DRAWING #: 571-010_C | CHECKED: TD/AT/PR

DATE	DWN	CHK

EcoStream™ Biofilter
Stormwater Media Filters

4640 TRUEMAN BLVD
HILLIARD, OH 43026

THIS DRAWING HAS BEEN PREPARED BASED ON INFORMATION PROVIDED TO ADS/STORMTECH UNDER THE DIRECTION OF THE PROJECT'S ENGINEER OF RECORD ("EOR") OR OTHER PROJECT REPRESENTATIVE. THIS DRAWING IS NOT INTENDED FOR USE IN BIDDING OR CONSTRUCTION WITHOUT THE EOR'S PRIOR APPROVAL. EOR SHALL REVIEW THIS DRAWING PRIOR TO BIDDING AND/OR CONSTRUCTION. IT IS THE ULTIMATE RESPONSIBILITY OF THE EOR TO ENSURE THAT THE PRODUCT(S) DEPICTED AND ALL ASSOCIATED DETAILS MEET ALL APPLICABLE LAWS, REGULATIONS, AND PROJECT REQUIREMENTS.