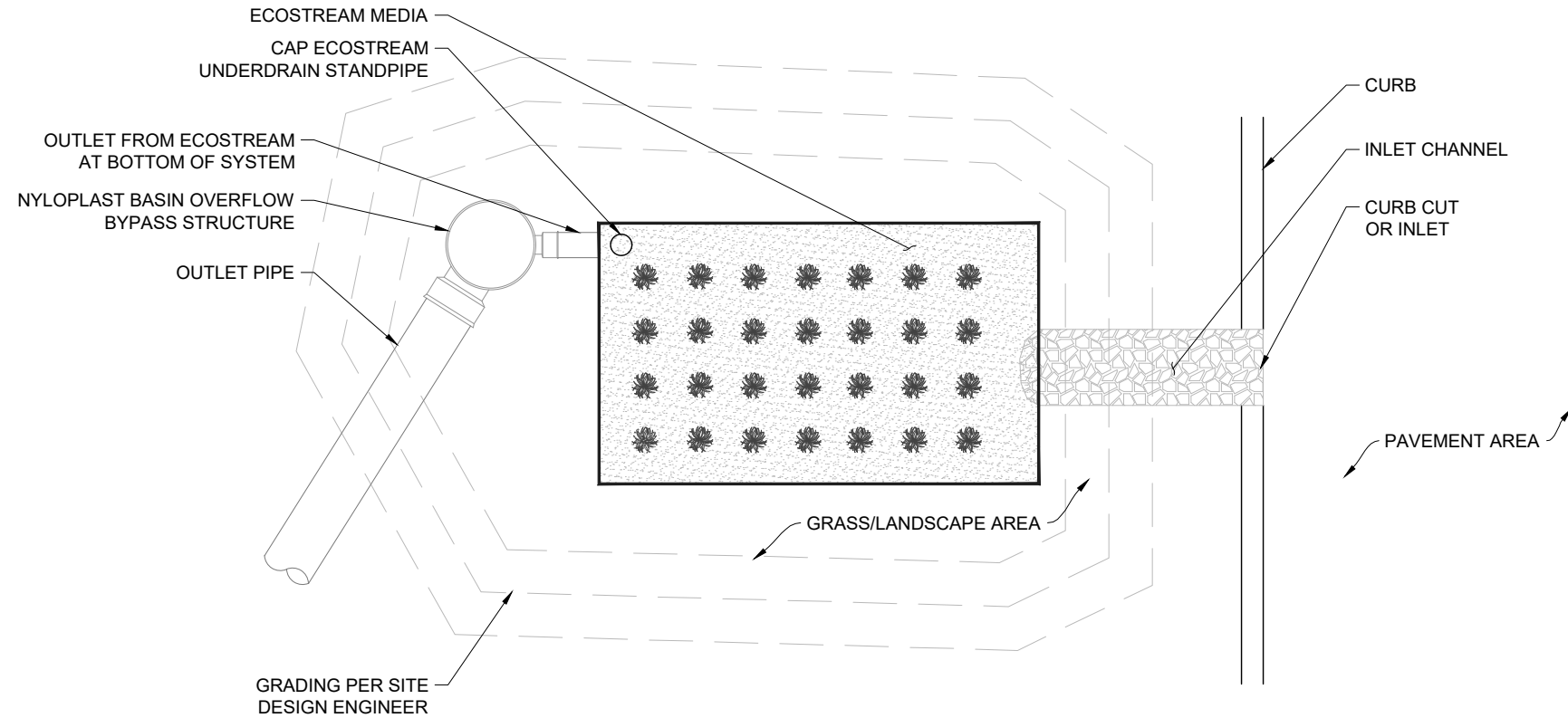


ECOSTREAM BIOFILTER		
UNIT	FILTER AREA (FT <sup>2</sup> )	MAX TREATMENT FLOW RATE (CFS)
ES48E	48	0.334
ES60E	60	0.418
ES72E	72	0.501
ES80E	80	0.557
ES91E	91	0.634
ES96E	96	0.668
ES100E	100	0.696
ES112E	112	0.780
ES120E	120	0.836
ES128E	128	0.891
ES144E	144	1.003
ES160E	160	1.114
ES168E	168	1.170
ES176E	176	1.225
ES225E	225	1.567
ES256E	256	1.782
ES289E	289	2.012
ES324E	324	2.256
ES360E	360	2.507

WSDOE GULD APPROVAL APPLIES TO PLANTED OR PLANTLESS ECOSTREAM SYSTEMS.

### ECOSTREAM BIOFILTER

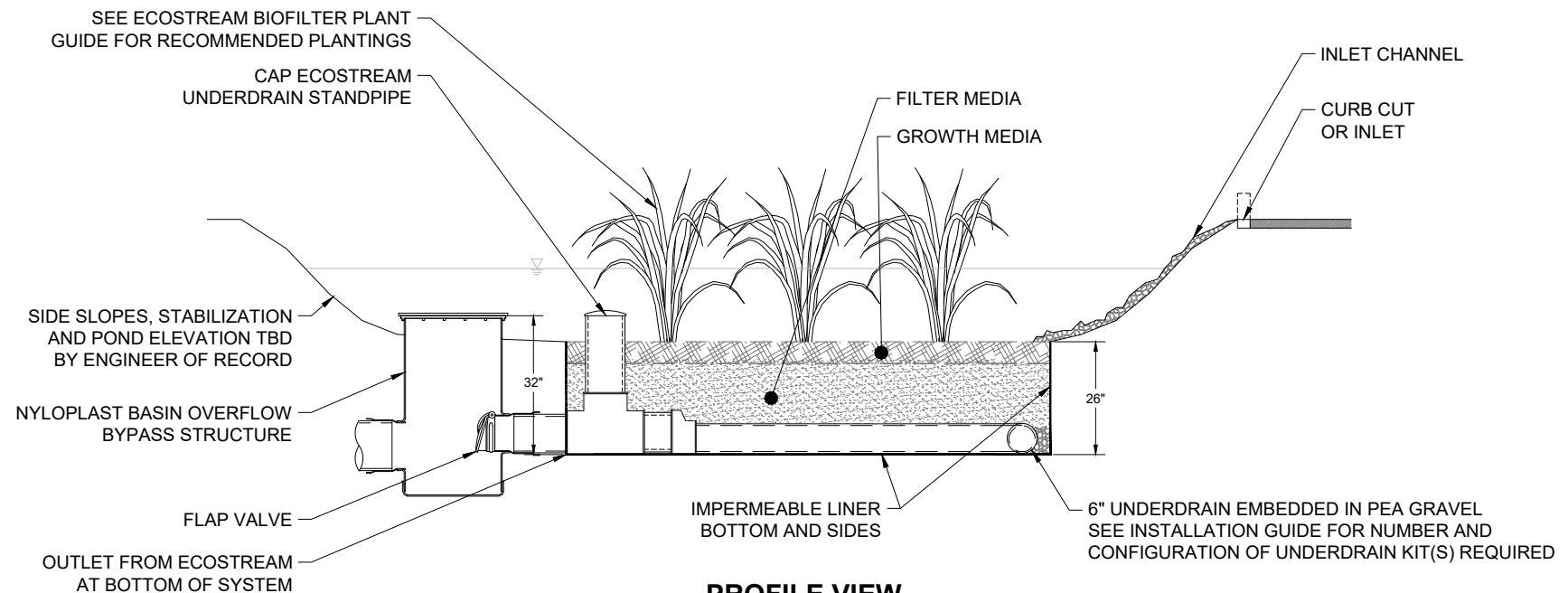
- THE ECOSTREAM BIOFILTER IS A BIOFILTRATION STORMWATER TREATMENT TECHNOLOGY THAT RELIES ON PHYSICAL, CHEMICAL AND BIOLOGICAL MECHANISMS TO REMOVE TOTAL SUSPENDED SOLIDS, TOTAL PHOSPHORUS, TOTAL NITROGEN, HEAVY METALS, OIL AND GREASE, TRASH AND BACTERIA.
- THE SITE DESIGN ENGINEER MUST REVIEW ELEVATIONS 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 LINER SYSTEMS. 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 ENGINEERING SERVICES.



**PLAN VIEW**  
NTS

INTEGRATED BYPASS			
BASIN	GRATE	BYPASS (CFS)	HEAD REQ. (IN)
15	DOME	1.61	3
		2.28	12
		2.79	18
	FLAT	1.22	6
		1.73	12
18	DOME	2.12	18
		2.32	6
		3.23	12
	FLAT	4.02	18
		1.54	6
		2.18	12
24	DOME	2.67	18
		3.57	6
		5.05	12
	FLAT	6.19	18
		2.57	6
		3.63	12
30	DOME	4.45	18
		4.70	6
		7.65	12
	FLAT	9.37	18
		4.28	6
		6.05	12
		7.41	18

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.



**PROFILE VIEW**  
NTS

ECOSTREAM  
LINED UNIT OPTION  
ENHANCED MEDIA

DATE: 10/11/24 DRAWN: JLM CHECKED: AT  
DRAWING #: 571-110

DATE	DRWN	CHKD	DESCRIPTION

**EcoStream™ Biofilter**  
Stormwater Media Filters

4640 TRUEMAN 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.