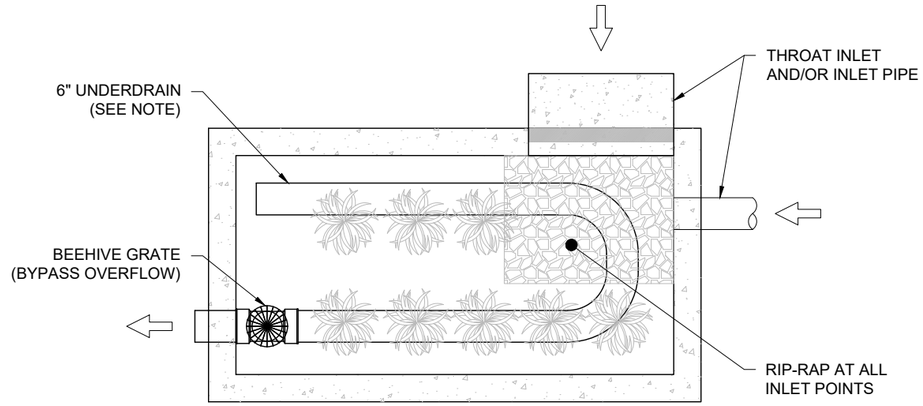
THE ECOSTREAM BIOFILTER™ IS A BIOFILTRATION STORMWATER TREATMENT TECHONOLOGY THAT RELIES ON PHYSICAL, CHEMICAL AND BIOLOGICAL MECHANISMS TO REMOVE TOTAL SUSPENDED SOLIDS, TOTAL PHOSPHORUS, TOTAL NITROGEN, HEAVY METALS, OIL AND GREASE, TRASH AND BACTERIA.

Model	Vault Size (ft)	Media Filtration Area (sf)	Min Inlet to Outlet Depth[1] (in)	Overflow to Outlet Depth (in)	Design Treatment Rate (cfs)	Bypass Standpipe (in)
ES16B	4 x 4	16	32	32	0.147	6
ES24B	4 x 6	24	32	32	0.221	6
ES32B	4 x 8	32	32	32	0.294	6
ES36B	6 x 6	36	32	32	0.331	6
ES40B	4 x 10	40	32	32	0.368	6
ES48B	4 x 12	48	32	32	0.441	6
ES48B	6 x 8	48	32	32	0.441	6
ES60B	6 x 10	60	32	32	0.551	8
ES72B	6 x 12	72	32	32	0.662	8
ES80B	8 x 10	80	32	32	0.735	8
ES96B	8 x 12	96	32	32	0.882	10
ES112B	8 x 14	112	32	32	1.029	10
ES128B	8 x 16	128	32	32	1.176	10

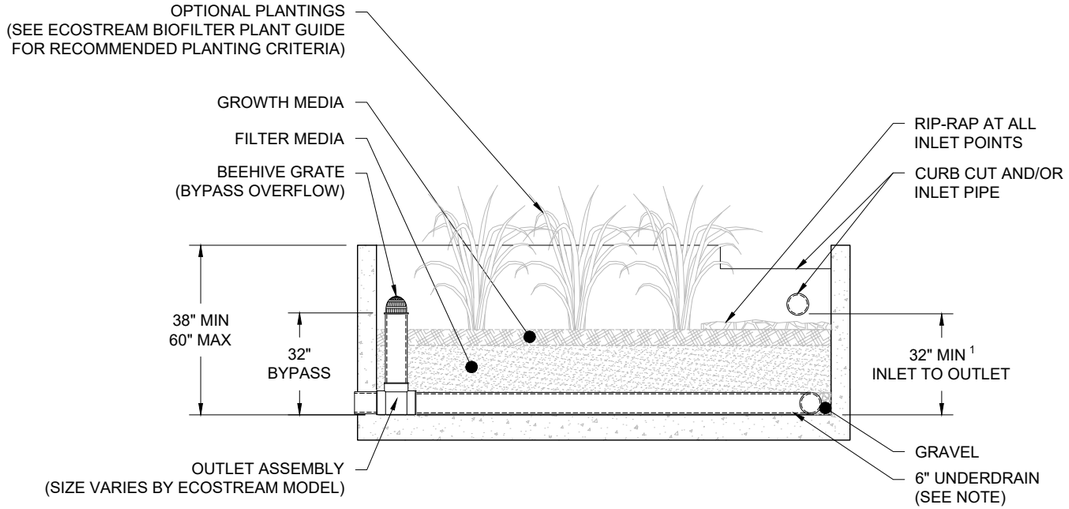
[1] A min drop of 29" can be used however the design engineer must review the 3" tailwater (up to the beehive bypass) on the inlet pipe to ensure it does not affect the project's overall design

NOTES:

- UNDERDRAIN SHOWN IS SCHEMATIC ONLY. FOR DETAILS ON UNDERDRAIN SIZING AND LAYOUT SEE ECOSTREAM INSTALLATION GUIDE FOR DETAILS, KIT NUMBER AND PLACEMENT OPTIONS.



ECOSTREAM OPEN TOP PLAN VIEW
NOT TO SCALE



ECOSTREAM OPEN TOP PROFILE VIEW
NOT TO SCALE

ADS ECOSTREAM SPECIFICATIONS

PRODUCTS

A. INTERNAL COMPONENTS: SHALL BE SUBSTANTIALLY CONSTRUCTED OF RECYCLED POLYETHYLENE OR OTHER THERMOPLASTIC MATERIAL APPROVED BY THE MANUFACTURER

B. FILTER MEDIA: FILTER MEDIA SHALL BE BY ADS AND SHALL CONSIST OF A PROPRIETARY BLEND OF FILTER MEDIA.

C. PRECAST CONCRETE VAULT: DESIGNED FOR H-20 TRAFFIC LOADING AND APPLICABLE SOIL LOADS OR AS OTHERWISE DETERMINED BY A LICENSED PROFESSIONAL ENGINEER. THE MATERIALS AND STRUCTURAL DESIGN OF THE DEVICES SHALL BE PER ASTM C478, ASTM C857 AND ASTM C858.

PERFORMANCE

A. THE STORMWATER FILTER SYSTEM SHALL BE AN ONLINE OR OFFLINE DESIGN BASED ON LOCAL REQUIREMENTS CAPABLE OF TREATING 100% OF THE REQUIRED TREATMENT FLOW AT FULL SEDIMENT LOAD CONDITIONS.

B. THE STORMWATER FILTER SYSTEM SHALL HAVE NO MOVING PARTS.

C. THE STORMWATER TREATMENT UNIT SHALL BE DESIGNED TO REMOVE AT LEAST 80% OF SUSPENDED SOLIDS.

ECOSTREAM INSTALLATION NOTES

INSTALLATION OF THE STORMWATER TREATMENT UNIT(S) SHALL BE PERFORMED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. SUCH INSTRUCTIONS CAN BE OBTAINED BY CALLING ADVANCED DRAINAGE SYSTEMS AT (800) 821-6710 OR BY LOGGING ON TO WWW.ADSPIPE.COM.

ECOSTREAM BIOFILTER
OPEN TOP INSTALLATION
BASIC MEDIA

DATE: 09/05/24 | DRAWN: JLM | CHECKED: SMW
DRAWING #: 570-030

DATE	DWN	CHK
8/14/2025	JLM	AT

EcoStream™ Biofilter
Stormwater Media Filters

4640 TRUEMAN BLVD
HILLIARD, OH 43026

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