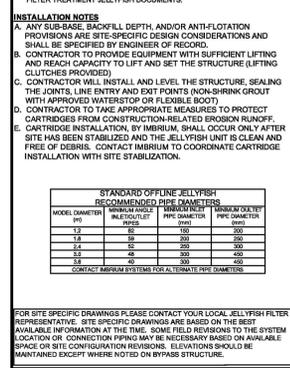


GENERAL NOTES:
1. ALL DIMENSIONS INDICATED ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SPECIFIED.
2. JELLYFISH STRUCTURE INLET AND OUTLET PIPE SIZE AND ORIENTATION SHOWN FOR INFORMATIONAL PURPOSES ONLY. UNLESS OTHERWISE SPECIFIED, INFRASTRUCTURE, SUCH AS ALL UPSTREAM DIVERSION STRUCTURES, CONNECTING STRUCTURES, OR PIPE CONDUITS CONNECTING TO COMPLETE THE JELLYFISH SYSTEM SHALL BE PROVIDED AND ADDRESSED SEPARATELY.
3. DRAWING FOR INFORMATION PURPOSES ONLY. REFER TO ENGINEER'S SITE UTILITY PLAN FOR STRUCTURE ORIENTATION. NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR PROJECT BID DATE OR AS DIRECTED BY THE ENGINEER OF RECORD.
4. JELLYFISH STRUCTURE & DESIGN NOTES:
A. 762 mm (30 in) MANHOLE SHALL BE USED FOR CLEANOUT AND ACCESS BELOW CARTRIDGE DECK.
B. CASTINGS ON COVERS OF THE JELLYFISH STRUCTURE SHALL EXTEND TO DESIGN FINISH GRADE. DEPTHS IN EXCESS OF 3.65 M (12') MAY REQUIRE THE DESIGN AND INSTALLATION OF INTERMEDIATE SAFETY GRATES OR OTHER STRUCTURAL ELEMENTS.
C. CASTINGS AND GRADE RINGS, OR DOORS AND DOOR RISERS, OR BOTH, SHALL BE GRADED FOR WATERPROOFING PURPOSES. STRUCTURE SHALL MEET AASHTO H5-20, ASSUMING EARTH COVER OF 0' - 3' AND GROUNDWATER ELEVATION AT OR BELOW THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M881 LOAD RATING AND BE CAST WITH THE MEMBRUM LOGO.
D. ALL STRUCTURAL SECTIONS AND PARTS TO MEET OR EXCEED ASTM C-478, ASTM C-443, AND ASTM D-4097 CORRESPONDING TO AASHTO SPECIFICATIONS, AND ANY OTHER SITE OR LOCAL STANDARDS. CONCRETE RISER SECTIONS FROM BOTTOM TO TOP WILL BE ADDED AS REQUIRED INCLUDING TRANSITION PIECES TO SMALLER DIAMETER RISERS FOR SURFACE ACCESSES WHERE WARRANTED BY SERVICING DEPTH.
E. IF MINIMUM DEPTH FROM TOP OF CARTRIDGE DECK TO BOTTOM OF STRUCTURAL TOP SLAB CANNOT BE ACHIEVED DUE TO PILING INVERT ELEVATIONS OR OTHER SITE CONSTRAINTS, ALTERNATIVE HATCH CONFIGURATIONS MAY BE AVAILABLE. HATCH DOORS SHOULD BE SIZED TO PROVIDE FULL ACCESS ABOVE THE CARTRIDGES TO ACCOMMODATE MAINTENANCE.
F. STEPS TO BE APPROXIMATELY 330 MM (13") APART AND DIMENSIONS MUST MEET LOCAL STANDARDS. STEPS MUST BE INSTALLED AFTER CARTRIDGE DECK IS IN PLACE.
G. CONFIGURATION OF INLET AND OUTLET PIPE CAN VARY TO MEET SITE'S NEEDS.
H. IT IS THE RESPONSIBILITY OF OTHERS TO PROPERLY PROTECT THE TREATMENT DEVICE, AND KEEP THE DEVICE OPEN DURING CONSTRUCTION. FILTER CARTRIDGES SHALL NOT BE INSTALLED UNTIL THE PROJECT SITE IS CLEAN AND FREE OF DEBRIS. BY OTHERS. THE PROJECT SITE INCLUDES ANY SURFACE THAT CONTRIBUTES STORM DRAINAGE TO THE TREATMENT DEVICE. CARTRIDGES SHALL BE INSTALLED NEW, AT THE TIME OF FINAL ACCEPTANCE.
I. THIS DRAWING MUST BE VIEWED IN CONJUNCTION WITH THE STANDARD JELLYFISH SPECIFICATION, AND STORMWATER QUALITY FILTER TREATMENT JELLYFISH DOCUMENTS.



JELLYFISH FILTER - SPECIFICATIONS

GENERAL:
A. WORK INCLUDES SPECIFICATIONS FOR CONSTRUCTION AND PERFORMANCE OF AN UNDERGROUND STORMWATER QUALITY MEMBRANE FILTRATION AND TREATMENT DEVICE THAT REMOVES POLLUTANTS FROM STORMWATER RUNOFF THROUGH THE UNIT OPERATIONS OF SEDIMENTATION, FLOTATION, AND MEMBRANE FILTRATION.

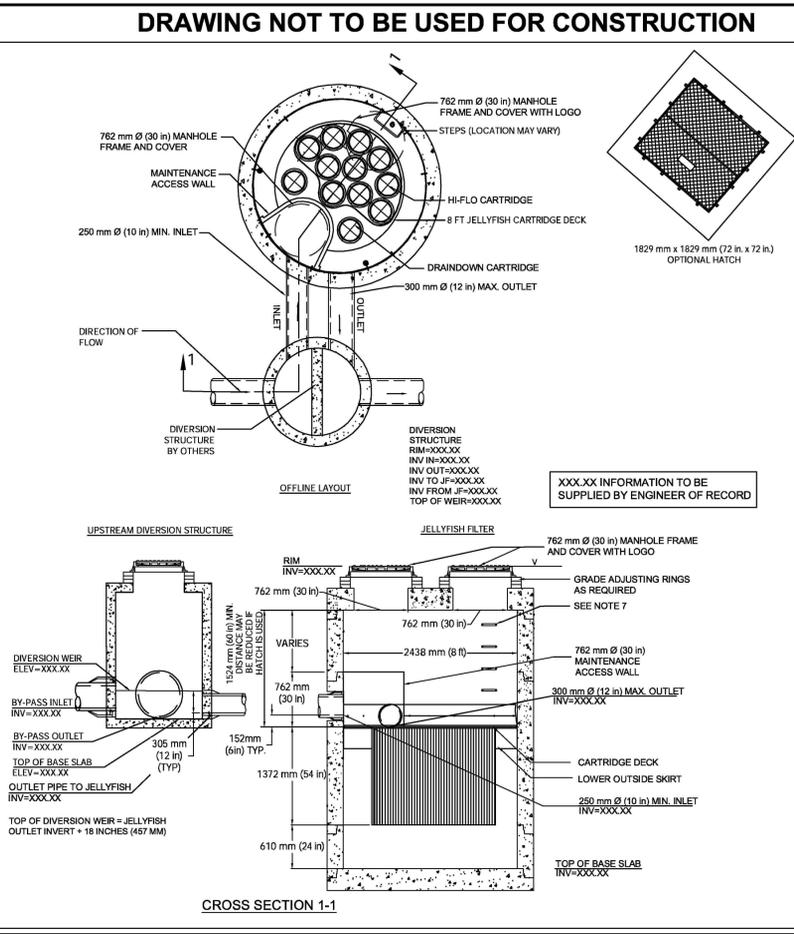
REFERENCE STANDARDS:
A. ASTM C 478: SPECIFICATION FOR PRECAST REINFORCED CONCRETE MANHOLE STRUCTURES
B. ASTM C 443: SPECIFICATION FOR CONCRETE AND GROUT FOR FLEXIBLE JOINT SEALANTS
C. ASTM D 4097: SPECIFICATION FOR COPOLYMER SEALS STRUCTURE

BLOCK DRAWINGS: SHOP DRAWINGS FOR THE STRUCTURE AND PERFORMANCE ARE TO BE SUBMITTED WITH EACH ORDER TO THE CONTRACTOR, CONTRACT MANAGER, AND DESIGNER FOR REVIEW AND APPROVAL. THE CONTRACTING ENGINEER FOR APPROVAL. SHOP DRAWINGS ARE TO DETAIL THE STRUCTURE, PRECAST CONCRETE AND CALL OUT OR NOTE THE FIBERGLASS (FRP) INTERNAL COMPONENTS.

PRODUCT SUBSTITUTIONS: NO PRODUCT SUBSTITUTIONS SHALL BE ACCEPTED UNLESS SUBMITTED 10 DAYS PRIOR TO PROJECT BID DATE OR AS DIRECTED BY THE ENGINEER OF RECORD. ANY SUBSTITUTIONS REQUIRE REVIEW AND APPROVAL BY THE ENGINEER OF RECORD, FOR HYDRAULIC PERFORMANCE, IMPACT TO PROJECT DESIGN, EQUIVALENT TREATMENT PERFORMANCE, AND ANY REQUIRED PERMIT PLAN AND REPORT (HYDROLOGICAL/HYDRAULIC WATER QUALITY, STORMWATER POLLUTION CONTROL) THAT WOULD BE REQUIRED BY THE APPLICABLE JURISDICTIONS/AGENCIES. CONTRACTOR TO COORDINATE WITH THE ENGINEER OF RECORD ANY APPLICABLE MODIFICATIONS TO THE COST ESTIMATES OF COST, BIDDING RISK, AND DETERMINATION OF BIDDING CHECK CHECK FOR CHANGES TO APPROVED DOCUMENTS, AND/OR ANY OTHER REGULATORY REQUIREMENTS RESULTING FROM THE PRODUCT SUBSTITUTION.

HANDLING AND STORAGE: PREVENT DAMAGE TO MATERIALS DURING STORAGE AND HANDLING.

INSTALLATION:
A. THE DEVICE SHALL BE A CIRCULAR OR RECTANGULAR ALL CONCRETE STRUCTURE (INCLUDING RISERS), CONSTRUCTED FROM PRECAST CONCRETE RISER AND SLAB COMPONENTS OR MONOLITHIC PRECAST STRUCTURES, INSTALLED TO CONFORM TO ASTM C 478 AND TO ANY REQUIRED STATE, MUNICIPAL, OR LOCAL SPECIFICATIONS, WHICHEVER IS MORE STRINGENT. THE DEVICE SHALL BE WATER-TIGHT.
B. THE CIRCULAR CONCRETE COVER SHALL INCLUDE A FIBERGLASS CARTRIDGE DECK INSIDE. THE RECTANGULAR CONCRETE COVER SHALL INCLUDE A COATED ALUMINUM INSERT. IN EITHER INSTANCE, THE INSERT SHALL BE BOLTED AND SEALED WATER-TIGHT INSIDE THE PRECAST CONCRETE CHAMBER. THE INSERT SHALL SERVE AS A HORIZONTAL DIVIDER BETWEEN THE LOWER TREATMENT ZONE AND THE UPPER TREATED EFFLUENT ZONE. (A) A SOCK FOR ATTACHMENT OF FILTER CARTRIDGES SUCH THAT THE MEMBRANE FILTER ELEMENTS OF EACH CARTRIDGE EXTEND INTO THE LOWER TREATMENT ZONE, (C) A PLATFORM FOR MAINTENANCE PURPOSES TO SERVICE THE FILTER CARTRIDGES (MAXIMUM MAINTENANCE WEIGHT = 400 POUNDS), (D) A CONDUIT FOR CONVEYANCE OF TREATED WATER TO THE EFFLUENT PIPE.
C. MEMBRANE FILTER CARTRIDGES SHALL BE COMPOSED OF REUSABLE CYLINDRICAL MEMBRANE FILTER ELEMENTS CONNECTED TO A PERFORATED HEAD PLATE. THE NUMBER OF MEMBRANE FILTER ELEMENTS PER CARTRIDGE SHALL BE A MINIMUM OF ELEVEN (11) 7-1/2" (190 mm) (FRAMER OR GREATER DIAMETER) ELEMENTS THE LENGTH OF EACH FILTER ELEMENT SHALL BE A MINIMUM 18 INCHES (457 mm). EACH CARTRIDGE SHALL BE FITTED INTO THE CARTRIDGE SOCK BY INSERTION INTO A CARTRIDGE RECTANGLE THAT IS PERMANENTLY MOUNTED INTO THE CARTRIDGE DECK. EACH CARTRIDGE SHALL BE SECURED BY A CARTRIDGE LID THAT IS THREADED ONTO THE RISER/SLAB OR SIMILAR COMPONENT TO SECURE THE CARTRIDGE INTO THE DECK. THE MAXIMUM TREATMENT FLOW RATE OF A FILTER CARTRIDGE SHALL BE CONTROLLED BY AN ORIFICE IN THE CARTRIDGE LID, OR ON THE INDIVIDUAL CARTRIDGE (SPECIFIED) AND BASED ON A DESIGN FLOW RATE (SURFACE LOADING RATE) DETERMINED BY THE MAXIMUM TREATMENT FLOW RATE PER UNIT OF FILTRATION MEMBRANE SURFACE AREA. THE MAXIMUM FLOW RATE SHALL BE 0.21 GPM/FT² (0.14 LPM/CM²). EACH MEMBRANE FILTER CARTRIDGE SHALL ALLOW FOR MANUAL INSTALLATION AND REMOVAL.
D. ALL FILTER CARTRIDGES AND MEMBRANES SHALL BE REUSABLE AND ALLOW FOR THE USE OF FILTRATION MEMBRANE RINSING PROCEDURES TO RESTORE FLOW CAPACITY AND SEDIMENT CAPACITY, EXTENDING CARTRIDGE SERVICE LIFE.
E. ACCESS SHALL HAVE A MINIMUM CLEAR HEIGHT OF 6' OVER ALL OF THE FILTER CARTRIDGES, OR BE ACCESSIBLE BY A HATCH OR OTHER MEANS THAT PROVIDES MINIMUM 6' VERTICAL CLEAR SPACE OVER ALL OF THE FILTER CARTRIDGES. FILTER CARTRIDGES SHALL BE ABLE TO BE LIFTED STRAIGHT VERTICALLY OUT OF THE CARTRIDGES AND DECK FOR THE ENTIRE LENGTH OF THE CARTRIDGE.
F. THE DEVICE SHALL INCLUDE A MINIMUM 24 INCHES (610 mm) OF SLUMP BELOW THE BOTTOM OF THE CARTRIDGES FOR SEDIMENT ACCUMULATION UNLESS OTHERWISE SPECIFIED BY THE DESIGN ENGINEER. DEPTHS LESS THAN 24 INCHES MAY HAVE AN IMPACT ON THE TOTAL PERFORMANCE AND/OR LONGEVITY BETWEEN CARTRIDGE MAINTENANCE/REPLACEMENT OF THE UNIT.
G. ALL PRECAST CONCRETE COMPONENTS SHALL BE MANUFACTURED TO A MINIMUM LIVE LOAD OF H-20 TRUCK LOADING OR GREATER BASED ON LOCAL REGULATORY SPECIFICATIONS UNLESS OTHERWISE NOTED OR SPECIFIED BY THE DESIGN ENGINEER, AND SHALL BE WATER-TIGHT.
H. GASKETS AND/OR SEALANTS TO PROVIDE WATER TIGHT SEAL SHALL BE PROVIDED. JOINTS SHALL BE SEALED WITH PERFORMED JOINT SEALANTS COMPAUD COMPONENTS TO ASTM C 970.
I. FRAME AND COVERS MUST BE MANUFACTURED FROM CAST-IRON OR OTHER COMPOSITE MATERIAL TESTED TO WITHSTAND H20 OR GREATER DESIGN LOADS AND AS APPROVED BY THE LOCAL REGULATORY BODY. FRAMES AND COVERS MUST BE EMBOSSED WITH THE NAME OF THE DEVICE MANUFACTURER OR THE DEVICE BRAND NAME.
M. STEPS SHALL BE CONSTRUCTED ACCORDING TO ASTM D4101 OF COPOLYMER POLYPROPYLENE, AND BE DRIVEN INTO PERFORMED OR PRE-FIELD LINED ABOVE THE CONCRETE HAS CURRED. INSTALLED TO CONFORM TO APPLICABLE SECTIONS OF STATE, PROVINCIAL, AND MUNICIPAL, MUNICIPAL OR LOCAL SPECIFICATIONS FOR THE CONSTRUCTION OF SUCH DEVICES.
N. ALL PRECAST CONCRETE SECTIONS SHALL BE INSPECTED TO ENSURE THAT DIMENSIONS, APPEARANCE AND QUALITY OF THE PRODUCT MEET LOCAL, MUNICIPAL SPECIFICATIONS AND ASTM C 478.



PERFORMANCE:
A. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL FUNCTION TO REMOVE POLLUTANTS BY THE FOLLOWING UNIT TREATMENT PROCESSES: SEDIMENTATION, FLOTATION, AND MEMBRANE FILTRATION.
B. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL REMOVE OIL, DEBRIS, TRASH, COARSE AND FINE PARTICULATES, AND SUSPENDED SOLIDS, METALS AND NUTRIENTS FROM STORMWATER DURING RUNOFF EVENTS.
C. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL TYPICALLY UTILIZE AN EXTERNAL BYPASS TO DIVERT EXCESSIVE FLOWS. INTERNAL BYPASS SYSTEMS SHALL BE EQUIPPED WITH A FLOATABLES Baffle, AND MUST PASS WATER OVER THE CARTRIDGE DECK AND AVOID PASSAGE THROUGH THE SMART AND/OR CARTRIDGE FILTRATION ZONE.
D. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL TREAT 100% OF THE REQUIRED WATER QUALITY TREATMENT FLOW BASED ON A MAXIMUM TREATMENT FLOW RATE (SURFACE LOADING RATE) ACROSS THE MEMBRANE FILTER CARTRIDGES NOT TO EXCEED 0.21 GPM/FT² (0.14 LPM/CM²).
E. AT A MINIMUM, THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL HAVE BEEN FIELD TESTED AND VERIFIED WITH A MINIMUM 25 QUALIFYING STORM EVENTS AND FIELD MONITORING CONDUCTED ACCORDING TO THE TAMP TEST OR TAMP FIELD TEST PROTOCOL, AND HAVE RECEIVED NOTARY VERIFICATION.
F. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL HAVE DEMONSTRATED A MINIMUM MEDIAN TSS REMOVAL EFFICIENCY OF 90% AND A MINIMUM REMOVAL EFFICIENCY OF 90% FOR THE PARTICLES FRACTION LESS THAN 20 MICRONS. AN EFFICIENT 90% OF 15 MICRONS OR LOWER FOR ALL MONITORED STORM EVENTS, AND AN EFFLUENT TURBIDITY OF 15 NTU OR LOWER.
H. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL HAVE DEMONSTRATED A MINIMUM MEDIAN TOTAL PHOSPHORUS REMOVAL OF 90%, AND A MINIMUM MEDIAN TOTAL NITROGEN REMOVAL OF 50%.
I. THE STORMWATER QUALITY FILTER TREATMENT DEVICE SHALL HAVE DEMONSTRATED A MINIMUM MEDIAN TOTAL ZINC REMOVAL OF 90%, AND A MINIMUM MEDIAN TOTAL COPPER REMOVAL OF 70%.

INSPECTION AND MAINTENANCE:
A. DURABILITY OF MEMBRANES ARE SUBJECT TO GOOD HANDLING PRACTICES DURING INSPECTION AND MAINTENANCE (REMOVAL, RINSING, AND REINTEGRATION) EVENTS, AND SITE SPECIFIC CONDITIONS THAT MAY HAVE HEAVIER OR LIGHTER LOADING ONTO THE CARTRIDGES AND POLLUTANT VARIABILITY THAT MAY IMPACT THE MEMBRANE STRUCTURAL INTEGRITY. MEMBRANE MAINTENANCE AND REPLACEMENT SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
B. INSPECTION WHICH INCLUDES TRASH AND FLOATABLES COLLECTION, SEDIMENT DEPTH DETERMINATION, AND VISIBLE DETERMINATION OF BACKWATER DEPTH SHALL BE EARLY CONDUCTED FROM GRAB OUTSIDE THE STRUCTURE.
C. MANUAL RINSING OF THE REUSABLE FILTER CARTRIDGES SHALL PROMOTE RESTORATION OF THE FLOW CAPACITY AND SEDIMENT CAPACITY OF THE FILTER CARTRIDGES, EXTENDING CARTRIDGE SERVICE LIFE.
D. SEDIMENT REMOVAL FROM THE FILTER TREATMENT DEVICE SHALL BE ABLE TO BE CONDUCTED USING A STANDARD MAINTENANCE TRUCK AND VACUUM APPARATUS, AND A MINIMUM ONE POINT OF ENTRY TO THE PUMP THAT IS UNOBSTRUCTED BY FILTER CARTRIDGES.
E. MAINTENANCE ACCESS SHALL HAVE A MINIMUM CLEAR HEIGHT OF 6' OVER ALL OF THE FILTER CARTRIDGES, OR BE ACCESSIBLE BY A HATCH OR OTHER MECHANISM THAT PROVIDES MINIMUM 6' VERTICAL CLEAR SPACE OVER ALL OF THE FILTER CARTRIDGES. FILTER CARTRIDGES SHALL BE ABLE TO BE LIFTED STRAIGHT VERTICALLY OUT OF THE CARTRIDGES AND DECK FOR THE ENTIRE LENGTH OF THE CARTRIDGE.
F. FILTER CARTRIDGES SHALL BE ABLE TO BE MAINTAINED WITHOUT THE USE OF ADDITIONAL LIFTING EQUIPMENT.

EXECUTION:
A. THE INSTALLATION OF A WATER-TIGHT PRECAST CONCRETE DEVICE SHOULD CONFORM TO ASTM C 970 AND TO ANY STATE HIGHWAY, MUNICIPAL, OR LOCAL SPECIFICATIONS FOR THE CONSTRUCTION OF MANHOLES, WHICHEVER IS MORE STRINGENT. SELECTED SECTIONS OF A GENERAL SPECIFICATION THAT ARE APPLICABLE ARE SUMMARIZED BELOW.
B. THE WATER-TIGHT PRECAST CONCRETE DEVICE IS INSTALLED IN SECTIONS IN THE FOLLOWING SEQUENCE:
1. AGGREGATE BASE
2. FRAME AND COVER
3. TREATMENT CHAMBER AND CARTRIDGE DECK (RISER SECTIONS)
4. CONCRETE RISER SECTIONS AND/OR TRANSITION SLAB (IF REQUIRED)
5. INLET AND OUTLET PIPES
6. CONCRETE RISER SECTIONS AND/OR TRANSITION SLAB (IF REQUIRED)
7. FRAME AND ACCESS COVER
C. INLET AND OUTLET PIPES SHOULD BE SECURELY SET INTO THE DEVICE USING APPROVED PIPE SEALS (FLEXIBLE BOOT CONNECTIONS, WHERE APPLICABLE) SO THAT THE STRUCTURE IS WATER-TIGHT, AND SUCH THAT ANY PIPE INTRUSION INTO THE DECK DOES NOT IMPACT THE DEVICE FUNCTIONALITY.
D. ADJUSTMENT UNITS (E.G. GRADE RINGS) SHOULD BE INSTALLED TO SET THE FRAME AND COVER AT THE REQUIRED ELEVATION. THE ADJUSTMENT UNITS SHOULD BE LAID IN A FULL BED OF MORTAR WITH SUCCESSIVE UNITS BEING JOINED USING SEALANT RESOLUBLE TAMPERS.
E. ALL CONCRETE COMPONENTS SHALL BE MANUFACTURED ACCORDING TO LOCAL SPECIFICATIONS AND SHALL MEET THE REQUIREMENTS OF ASTM C 478.
F. THE FIBERGLASS PORTION OF THE FILTER DEVICE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING STANDARD:
ASTM D-4101: CONTACT MOULDED RIBBER REINFORCED ORGANIC RESIN/TANES.
M. STEPS SHALL BE CONSTRUCTED ACCORDING TO ASTM D4101 OF COPOLYMER POLYPROPYLENE, AND BE DRIVEN INTO PERFORMED OR PRE-FIELD LINED ABOVE THE CONCRETE HAS CURRED. INSTALLED TO CONFORM TO APPLICABLE SECTIONS OF STATE, PROVINCIAL, AND MUNICIPAL, MUNICIPAL OR LOCAL SPECIFICATIONS FOR THE CONSTRUCTION OF SUCH DEVICES.
N. ALL PRECAST CONCRETE SECTIONS SHALL BE INSPECTED TO ENSURE THAT DIMENSIONS, APPEARANCE AND QUALITY OF THE PRODUCT MEET LOCAL, MUNICIPAL SPECIFICATIONS AND ASTM C 478.

JELLYFISH DESIGN NOTES

JELLYFISH TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. THE STANDARD MANHOLE (762 mm (30 in) MANHOLE) JELLYFISH PEAK TREATMENT CAPACITY IS 55.5 L/s (1.56 CFS). TREATMENT FLOW RATE IS BASED ON 457 mm (18 in) OF HEAD PRESSURE.

CARTRIDGE SELECTION	CARTRIDGE DEPTH	OUTLET INVERT TO TOP OF CARTRIDGE DECK (mm)	OUTLET INVERT TO TOP OF CARTRIDGE DECK (ft)	SEGMENT CAPACITY HIGH FLOW (L/s)	SEGMENT CAPACITY HIGH FLOW (MGD)	MAX. CARTRIDGE HIGH FLOW (L/s)	MAX. CARTRIDGE HIGH FLOW (MGD)	MAX. TREATMENT CAPACITY (L/s)	MAX. TREATMENT CAPACITY (MGD)
15"	15"	15"	15"	2,651.77	0.71	281.14	0.78	462	12.53
21"	21"	21"	21"	3,487.74	0.97	421.71	1.16	605	16.16
27"	27"	27"	27"	4,323.71	1.23	502.28	1.41	890	23.77
33"	33"	33"	33"	5,159.68	1.49	582.85	1.63	1,175	31.38
39"	39"	39"	39"	6,000.00	1.75	663.42	1.85	1,460	39.99
45"	45"	45"	45"	6,840.00	2.01	743.99	2.07	1,745	47.60

SITE SPECIFIC DATA REQUIREMENTS

JELLYFISH MODEL	STRUCTURE ID	WATER QUALITY FLOW RATE (L/s)	PEAK FLOW RATE (L/s)	RETURN PERIOD OF PEAK FLOW (yr)	# OF CARTRIDGES REQUIRED PER FLOW	CARTRIDGE SIZE (inches)

PIPE DATA	IE	MATL	DLA	SLOPE %	HCL
INLET #1					
INLET #2					
OUTLET					

PER ENGINEER OF RECORD

JELLYFISH FILTER SPECIFICATIONS

DATE	DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT NAME	PROJECT NO.	SHEET
10/01/14	BSF	BSF	BSF	BSF	JF8 STANDARD	Scale = 1:50	1 of 2

LIST OF DRAWINGS

NO.	REVISION	DATE	BY
4	ISSUED FOR SITE PLAN APPROVAL	SEP 28, 2021	LMV
4	ISSUED FOR SITE PLAN APPROVAL	MAR 19, 2021	PMV
3	ISSUED FOR ZONING APPROVAL	MAR 15, 2019	LMV
2	ISSUED FOR COORDINATION	SEPT 5, 2018	TJL
1	ISSUED FOR ZONING APPROVAL	AUG 10, 2018	LMV

SITE PLAN INFORMATION

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1525 HURONTARIO STREET
TORONTO, ONTARIO M6H 4B5
PHONE: (416) 499-8427
E-MAIL: kr.d@kcr.com

SURVEYOR INFORMATION

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1575 HIGHWAY 7A WEST, UNIT 2A
POINT FERRY, ONTARIO L6L 1A6
PHONE: (905) 965-3600
FAX: (905) 965-2347

TOWN OF UXBRIDGE REGION OF DURHAM

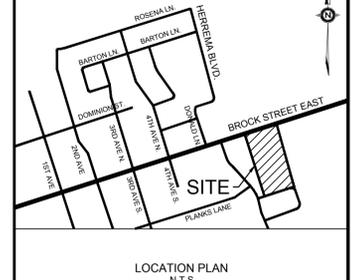
WESTLANE DEVELOPMENT GROUP LTD.
SOUTH BROCK STREET DEVELOPMENT
UXBRIDGE, ONTARIO

DETAILS

DESIGNED BY:	DATE:	CHECKED BY:
LMV	JUNE 18, 2018	JL

DRAWN BY:	PROJECT NO.:	DRAWING NO.:
LMV	2018-0302	DD-02

SCALE:	DATE:	CHECKED BY:
NTS	JUNE 18, 2018	JL



LEGEND

LOCATION PLAN
N.T.S.

JELLYFISH FILTER SPECIFICATIONS

DATE	DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT NAME	PROJECT NO.	SHEET
10/01/14	BSF	BSF	BSF	BSF	JF8 STANDARD	Scale = 1:50	1 of 2

JELLYFISH FILTER SPECIFICATIONS

DATE	DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT NAME	PROJECT NO.	SHEET
10/01/14	BSF	BSF	BSF	BSF	JF8 STANDARD	Scale = 1:50	1 of 2

JELLYFISH FILTER SPECIFICATIONS

DATE	DESIGNED	DRAWN	CHECKED	APPROVED	PROJECT NAME	PROJECT NO.	SHEET
10/01/14	BSF	BSF	BSF	BSF	JF8 STANDARD	Scale = 1:50	1 of 2