

UNISTORM SIZING TABLE						
UNISTORM MODEL #	D (mm)	MAX. S (M)	IMPERVIOUS AREA (hectares)	INLET PIPE (mm)	TREATMENT FLOW (lps)	PEAK FLOW (lps)
5RM	1500	1.7±	0 - 1.0	300	0 - 40	120
6RM	1800	1.8±	1.0 - 2.5	450	40 - 90	250
7RM	2100	1.9±	2.5 - 3.5	525	90 - 110	325
8RM	2400	2.0±	3.5 - 5.0	600	110 - 140	430
10RM	3000	2.1±	5.0 - 7.0	750	140 - 230	680
12RM	3600	2.2±	7.0 - 9.0	900	230 - 330	980



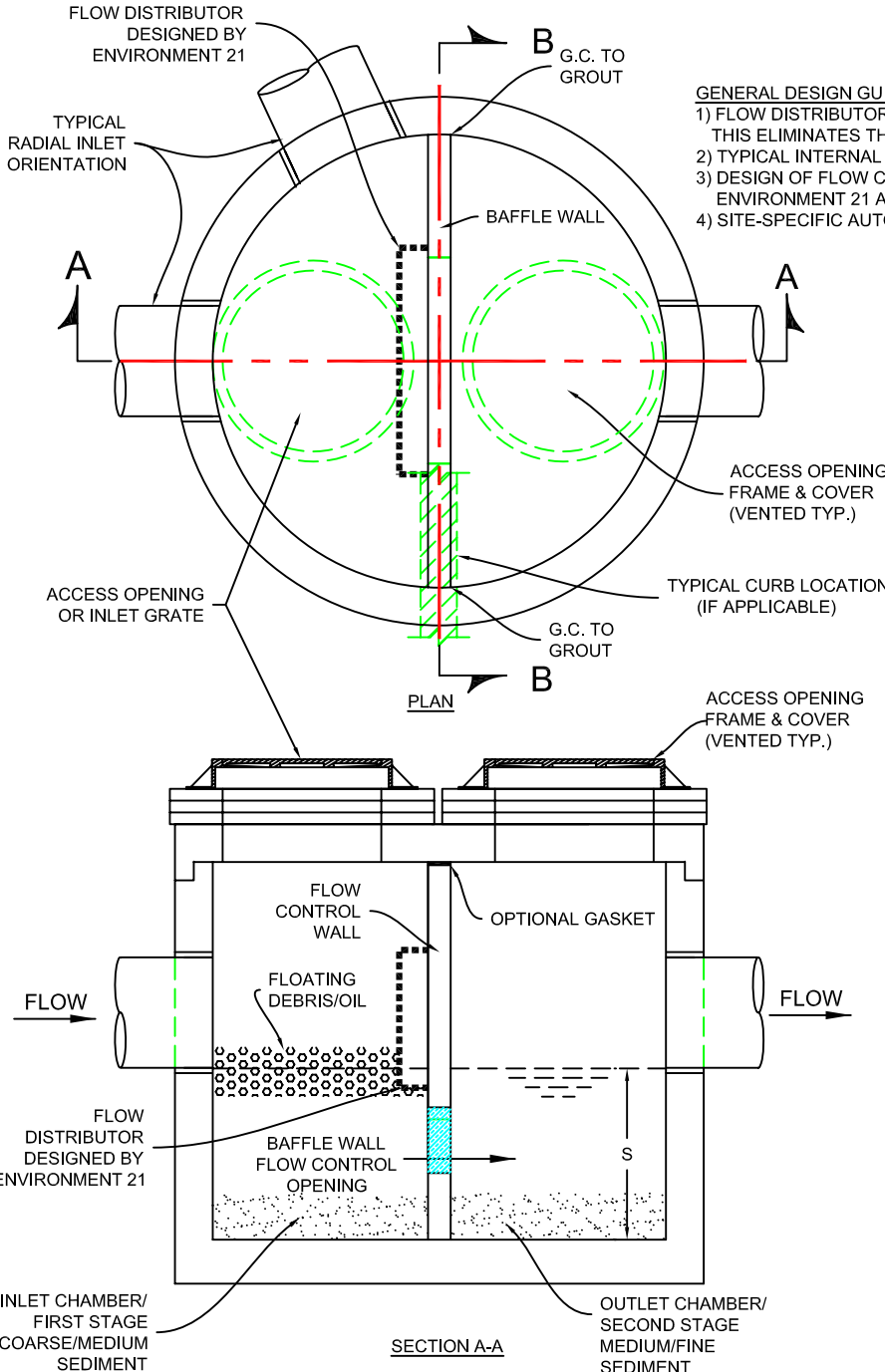
CALL: 1-800-809-2801

NOTES:

- 1) RAINFALL INTENSITY USED FOR TREATMENT FLOW = 20-25 mm/HR
 - 2) MAXIMUM OPERATING LOSS APPROXIMATELY 0.15 M
- MANUFACTURING NOTES:**
- 1) DESIGN OF INTERNAL BAFFLE WALL PROVIDED TO LICENSED MANUFACTURER BY ENVIRONMENT 21, LLC.
 - 2) LOCATION AND SIZE OF MANHOLE OPENINGS MAY BE ADJUSTED BY LICENSED MANUFACTURER.
 - 3) G.C. TO GROUT INLET AND OUTLET PIPES.

GENERAL DESIGN GUIDELINES FOR UNISTORM TREATMENT CHAMBER

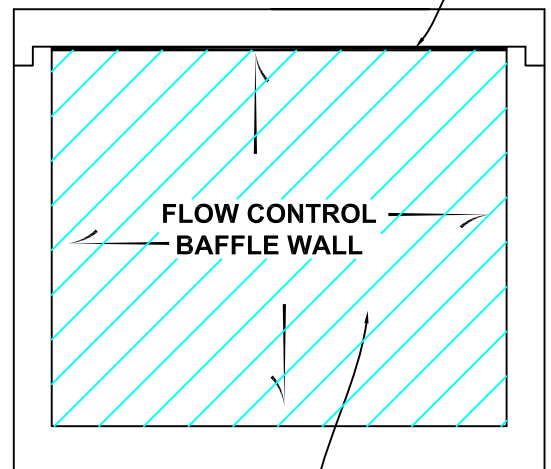
- 1) FLOW DISTRIBUTOR USED TO DISSIPATE INLET FLOW STIRRING POWER. THIS ELIMINATES THE NEED TO BYPASS HIGH FLOW EVENTS.
- 2) TYPICAL INTERNAL HEAD LOSS FOR DESIGN STORM IS 0.15 M.
- 3) DESIGN OF FLOW CONTROL BAFFLE WALL AND FLOW DISTRIBUTOR BASED ON ENVIRONMENT 21 ANALYSIS OF SITE-SPECIFIC STORM SEWER HYDRAULICS.
- 4) SITE-SPECIFIC AUTOCAD DRAWING DETAIL PREPARED BY ENVIRONMENT 21 AVAILABLE



GASKET NOTE:

GASKET PROVIDED IF TOP OF FLOW CONTROL WALL MUST EXTEND TO CEILING

OPTIONAL GASKET



SIZE, SHAPE, AND LOCATION OF FLOW CONTROL OPENINGS BY ENVIRONMENT 21, LLC

GENERAL NOTES:
MANHOLE DESIGN SPECIFICATIONS CONFORM TO LATEST A.S.T.M. C478 SPEC. FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.

DESIGN LOADING: AASHTO HS20-44

PROPRIETARY INFORMATION: PATENTS PENDING - ALL RIGHTS TO ENVIRONMENT 21, LLC.

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