

UNISTORM SIZING TABLE				
UNISTORM MODEL #	D (ft.)	MAX. S (ft.)	IMPERVIOUS AREA (acres)	STANDARD INLET PIPE SIZE (in.)
5R	5	5.0±	0 - 3	12-15
6R	6	5.3±	3 - 4	18
7R	7	5.6±	4 - 6	21
8R	8	6.0±	6 - 10	24
10R	10	6.6±	10 - 12	30
12R	12	7.3±	12 - 15	36



**CALL: 1-800-809-2801**

**NOTES:**

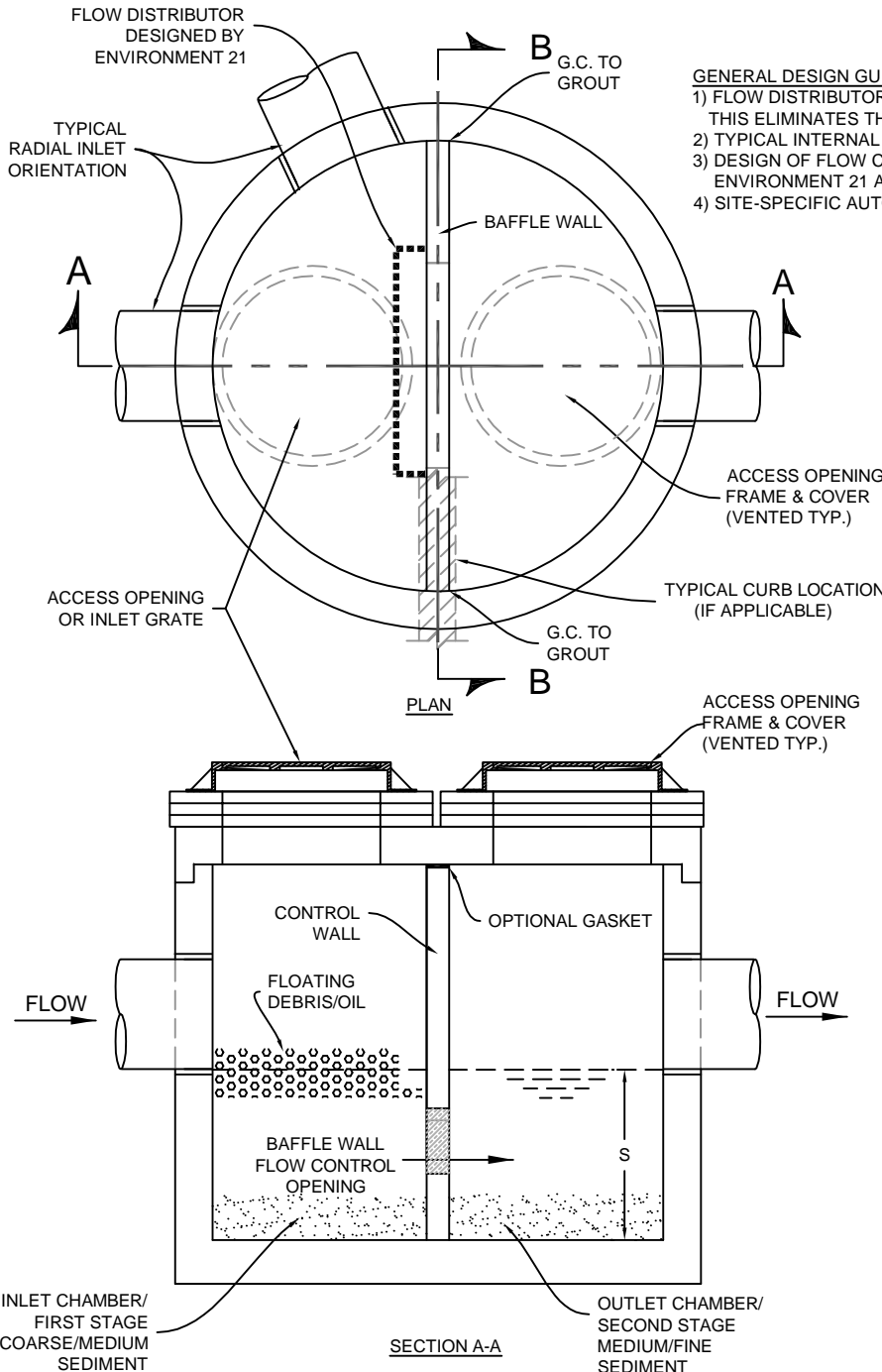
1) RAINFALL INTENSITY USED FOR TREATMENT FLOW = 0.80-1.0 IN/HR

**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**

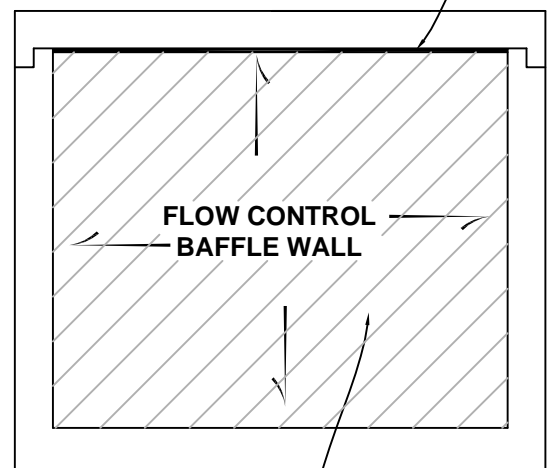
- 1) FLOW DISTRIBUTOR USED TO DISSIPATE INLET FLOW STIRRING POWER. THIS ELIMINATES THE NEED TO BYPASS HIGH FLOW EVENTS.
- 2) TYPICAL INTERNAL HEAD LOSS FOR DESIGN STORM IS 0.20 FT.
- 3) DESIGN OF FLOW CONTROL BAFFLE WALL AND FLOW DISTRIBUTOR BASED ON ENVIRONMENT 21 ANALYSIS OF SITE-SPECIFIC STORM SEWER 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