

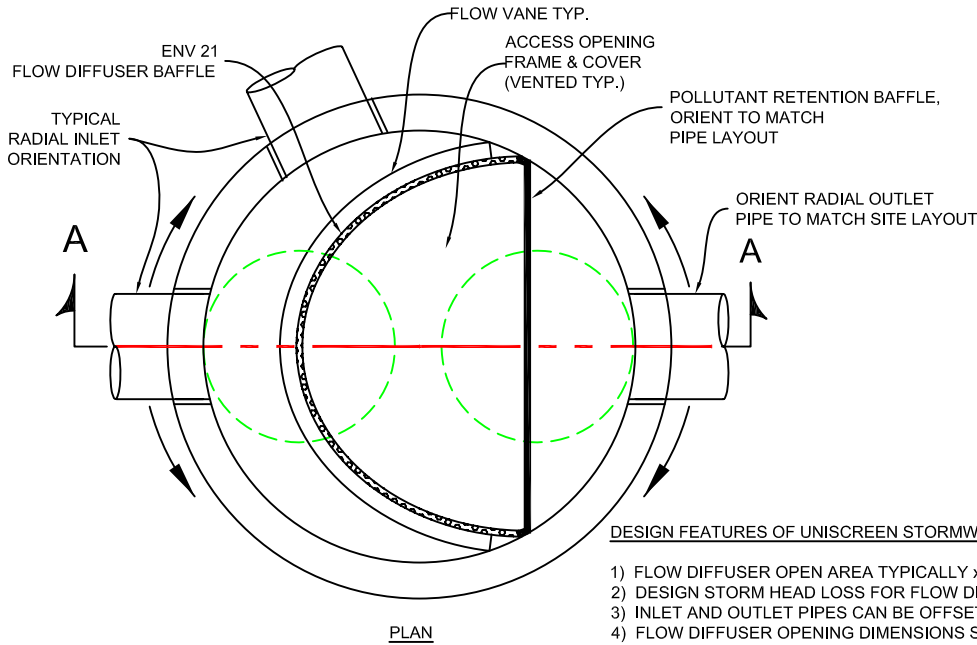
ONLINE SYSTEM / ADAPT TO SITE LAYOUT

DATE: 1-25-08
 DWG. NO.: Detail - Uniscreen

SIZING TABLE					
MODEL #	D (ft.)	MAX. S (ft.)	IMPERVIOUS AREA (acres)	INLET PIPE (in.)	PEAK FLOW (cfs)
5SC	5	3.5±	0 - 4	12-18	7
6SC	6	3.5±	4 - 10	18-24	16
7SC	7	4.5±	10 - 12	24-30	25
8SC	8	4.5±	12 - 15	30-36	35
10SC	10	5.5±	15 - 20	36-42	48
12SC	12	5.5±	20 - 25	42-48	60

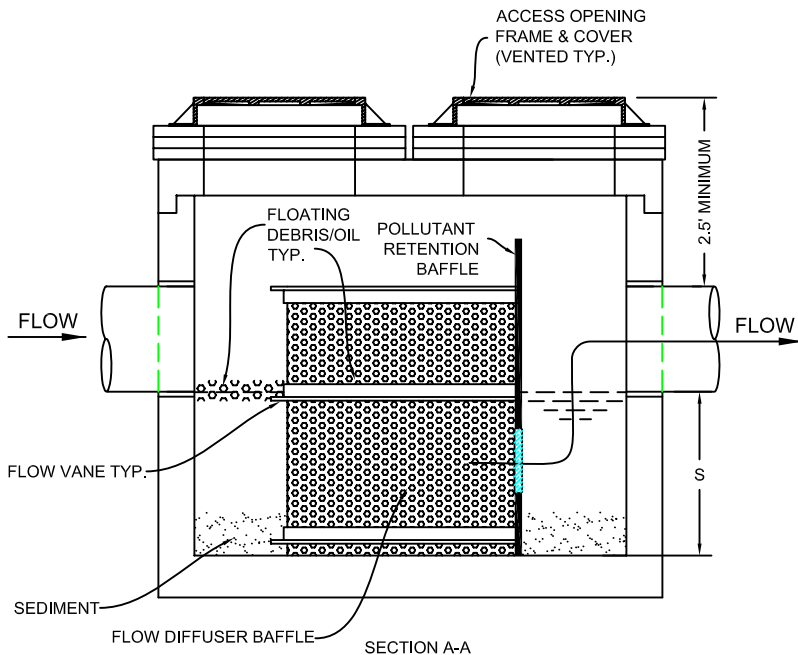
NOTES:

- 1) RAINFALL INTENSITY USED FOR TREATMENT FLOW = 0.80-1.0 IN/HR
 - 2) MAXIMUM OPERATING LOSS APPROXIMATELY 0.5 FT
- MANUFACTURING NOTES:**
- 1) DESIGN OF INTERNAL SCREEN AND BAFFLE WALL PROVIDED TO LICENSED MANUFACTURER BY PATENT HOLDER
 - 2) LOCATION AND SIZE OF MANHOLE OPENINGS MAY BE ADJUSTED BY APPROVED MANUFACTURER.
 - 3) G.C. TO GROUT INLET AND OUTLET PIPES.



DESIGN FEATURES OF UNISCREEN STORMWATER TREATMENT CHAMBER

- 1) FLOW DIFFUSER OPEN AREA TYPICALLY x TIMES LARGER THAN THE FLOW AREA OF OUTLET PIPE.
- 2) DESIGN STORM HEAD LOSS FOR FLOW DIFFUSER MODULE TYPICALLY LESS THAN 0.25 FT
- 3) INLET AND OUTLET PIPES CAN BE OFFSET TO MEET SITE CONDITIONS.
- 4) FLOW DIFFUSER OPENING DIMENSIONS SPECIFIED BY TECHNOLOGY OWNER.
- 5) FOR IMPROVED SCREENING, CONTACT PATENT OWNER.
- 6) SITE-SPECIFIC PRODUCT DETAIL DRAWING PREPARED BY PATENT OWNER.



TREATMENT NOTES:

- 1) CPS (CRITICAL PARTICLE SIZE) REPRESENTS AN ESTIMATE OF THE SMALLEST SEDIMENT PARTICLE THAT CAN BE REMOVED AT THE SPECIFIED EFFICIENCY.
- 2) STORMWATER FLOWING IN THE INLET PIPE CAN EXPERIENCE SEDIMENT STRATIFICATION THAT PROVIDES IMPROVED REMOVAL OF SEDIMENT.
- 3) STORMWATER FLOWING IN THE INLET PIPE CAN EXPERIENCE FLOATABLES STRATIFICATION THAT PROVIDES IMPROVED REMOVAL OF FLOATING POLLUTANTS (OILS ORGANIC DEBRIS)

FLOW DIFFUSER AREA	
MODEL #	SCREEN AREA, S.F.
5SC	35
6SC	51
7SC	59
8SC	68
10SC	99
12SC	119

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 PATENTED PRODUCT