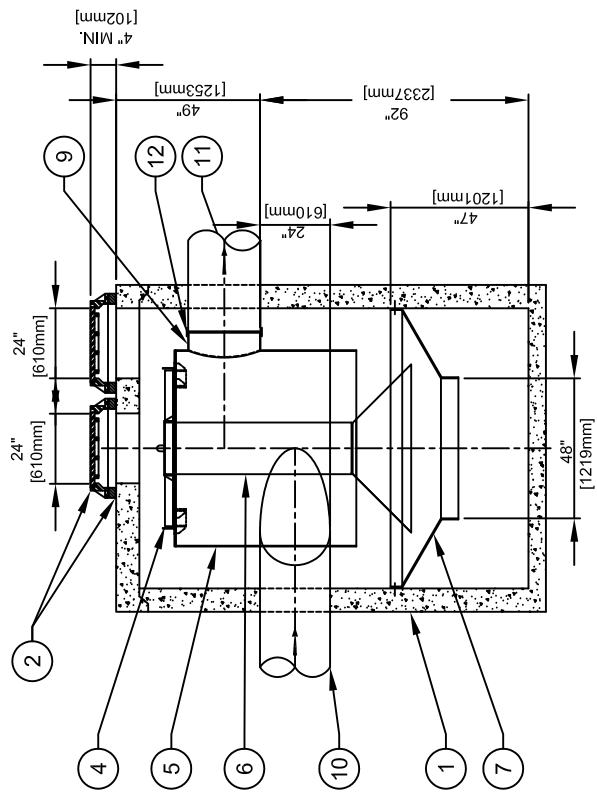


PLAN VIEW



SECTION A-A

PARTS LIST	
ITEM	DESCRIPTION
1	I.D. CONCRETE MANHOLE
2	MANHOLE LID, FRAME & COVER
3	LEDGER ANGLE (TYP.)
4	SUPPORT FRAME
5	DIP PLATE
6	CENTER SHAFT & CONE
7	BENCHING SKIRT
8	FLOATABLES LID W/ VENT
9	OVERFLOW PIPE STUB
10	TANGENTIAL INLET PIPE (BY OTHERS)
11	OVERFLOW PIPE (BY OTHERS)
12	PIPE COUPLING (BY OTHERS)

EQUIPMENT PERFORMANCE

The stormwater treatment unit shall adhere to the hydraulic parameters given below and provide storage capacities as follows:

- Performance objectives:** The unit shall be capable of treating the peak flow rate below.
- Peak treatment flow: 15.0 cfs [425 L/s]
- Depth of flow in overflow pipe at 15.0 cfs: 19 in. [483 mm]
- Estimated headloss* at 15.0 cfs: 8 in. [204 mm]
- Sediment storage capacity: 4.65 Cu. yd. [3.56 cu.m.]
- Oil storage capacity: 525 Gal. [1987 liters]
- Sediment shall be stored in a zone that is isolated from the main flow path and protected from reentrainment by a benching skirt.

*Headloss is defined as the difference between static water level at the inlet of the Downstream Defender to the free water surface in the overflow pipe, assuming free discharge.

Dimensions are general and intended for guidance only. The orientation of the inlet pipe and overflow pipe can be adjusted to site requirements. See site plan for orientation.

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RC 02/02/09	PROPOSAL
Rev By	Date
Date	02/02/09
Drawn By	RC
Checked Prod.	Approved By
Title	8-FT DIAMETER DOWNSTREAM DEFENDER® [2438 mm]
Rev	3/16" = 1' - 0"
Description	Checked Eng.
DESCRIPTION	GENERAL ARRANGEMENT
STANDARD UNIT	
Hydro International stormwater	94 HUTCHINS DRIVE PORTLAND, ME 04102 TEL: 207.756.6200 FAX: 207.756.6212 EMAIL: STORMWATERINQUIRY @HIL-TECH.COM
CAD Ref:	DD8GA2
Project No.	
Drawings No.	DD8GA2 Rev.