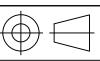
OUTLET STUB ID: 12" (300 mm) OUTLET STUB OD: 12.5" (318 mm)





IF IN DOUBT ASK

2. CONTACT HYDRO **BOTTOM OF STRUCTURE**

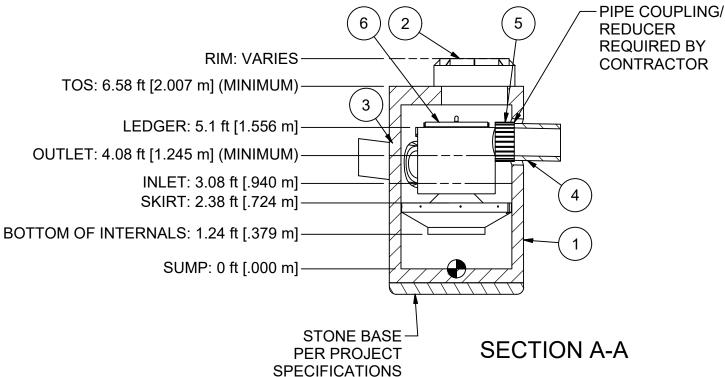
11/8/2019 NTS CHECKED BY:

4ft-DIAMETER

1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.

INTERNATIONAL FOR A **ELEVATION PRIOR TO** SETTING DOWNSTREAM DEFENDER MANHOLE.

DOWNSTREAM DEFENDER





AS REQUIRED

5

EQUIPMENT PERFORMANCE

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

- The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
- Peak Hydraulic Capacity: 3.0 cfs (85 l/s)
- Sediment Storage Capacity: 0.70 cu. yd. (0.53 cu. m)
- Continuous Oil Storage Capacity: 70 gal. (265 liters)
- Sediment shall be stored in a zone that is isolated from the main flow path and protected from reintrainment by a benching skirt.
- For more product information including regulatory acceptances, please visit https://hydro-int.com/en/products/downstream-defender

NOTE: NOT FOR CONSTRUCTION. CONTACT HYDRO FOR SITE SPECIFIC DETAIL

PARTS LIST				
ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	48	1200	PRECAST MANHOLE (BY HYDRO
				VIA PRECASTER)
2	1	30	750	FRAME AND COVER
3	1	12 (MAX)	300 (MAX)	INLET PIPE (BY OTHERS)
4	1	12 (MAX)	300 (MAX)	OUTLET PIPE (BY OTHERS)
5	1			PIPE COUPLING (BY OTHERS)
6	1			INTERNAL COMPONENTS
				(PRE-INSTALLED)

International hydro-int.com HYDRO INTERNATIONAL DO NOT SCALE DRAWING
STEEL FABRICATION TOLERANCES
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. 000 - 012in = ±0.04in

ANGULAR 000 - 120in = ±1° 120 - 240in = ±0.5° 240in >>>> = ±0.25° 012 - 024in = ±0.06in 024 - 048in = ±0.08in 048 - 120in = ±0.12in 120in >>> = ±0.20in WEIGHT: MATERIAL: N/A REFERENCE NUMBER: DRAWING NO .: 4'GA-DWG

SHEET SIZE: SHEET:

1 OF 1

ANY WARRANTY GIVEN BY HYDRO INTERNATIONAL WILL APPLY ONLY TO THOSE ITEMS SUPPLIED BY IT. ACCORDINGLY HYDRO INTERNATIONAL CANNOT ACCEPT ANY STRUCTURE, PLANT, OR EQUIPMENT, (OR THE PERFORMANCE THERE OF) DESIGNED, BUILT, MANUFACTURED, OR SUPPLIED BY ANY THIRD PARTY. HYDRO INTERNATIONAL HAVE A POLICY OF CONTINUOUS DEVELOPMENT AND RESERVE THE RIGHT TO AMEND THE SPECIFICATION. HYDRO INTERNATIONAL CANNOT ACCEPT LIABILITY FOR PERFORMANCE OF ITS EQUIPMENT, (OR ANY PART THEREOF), IF THE EQUIPMENT IS SUBJECT TO CONDITIONS OUTSIDE ANY DESIGN SPECIFICATION. HYDRO INTERNATIONAL OWNS THE COPYRIGHT OF THIS DRAWING, WHICH IS SUPPLIED IN CONFIDENCE. IT MUST NOT BE USED FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT IS SUPPLIED AND MUST NOT BE REPRODUCED, IN WHOLE OR IN PART, WITHOUT PRIOR PERMISSION IN WRITING FROM HYDRO INTERNATIONAL