



COMMENTS:

1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING DOWNSTREAM DEFENDER MANHOLE.
3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

REVISION HISTORY			
REV	BY	DESCRIPTION	DATE
-		FIRST RELEASE	

DATE: 9/20/2016
SCALE: VARIES

DRAWN BY: KDO
CHECKED BY:
APPROVED BY:

Title
3000mm DIAMETER
DOWNSTREAM DEFENDER

GENERAL ARRANGMENT



94 Hutchins Drive
Portland, ME 04102
Tel: +1 (207) 756-6200
Fax: +1 (207) 756-6212
hydro-int.com

PARTS LIST		
ITEM	DESCRIPTION	SIZE (mm)
1	PRECAST MANHOLE (BY HYDRO VIA PRECASTER)	3000
2	FRAME AND COVER	600
3	INLET PIPE (BY OTHERS)	750
4	OUTLET PIPE (BY OTHERS)	750
5	PIPE COUPLING (BY OTHERS)	
6	LEDGER ANGLE	
7	SUPPORT FRAME	
8	DIP PLATE	
9	CENTER SHAFT AND CONE	
10	BENCHING SKIRT	
11	PIPE COLLAR	

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:

1. Performance objectives: The unit shall be capable of treating the peak flow rate listed below.
2. Peak Treatment Flow: 25.0 cfs (708 l/s)
3. Sediment Storage Capacity: 8.70 cu. yd. (6.59 cu. m.)
4. Continuous Oil Storage Capacity: 1050 gal. (3975 liters)
5. Sediment shall be stored in a zone that is isolated from the main flow path and protected from reentrainment by a benching skirt.

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DO NOT SCALE DRAWING

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE:

FRACTIONS ± 1/16
DECIMALS ± .06
ANGLES ± 1°

APPROX WEIGHT: N/A	MATERIAL:
NEXT ASSEMBLY: 12-34567-NEXT ASSY	
DRAWING NO.: 12-34567-DD GA	
SHEET SIZE: B	SHEET: 1 OF 1
Rev: -	