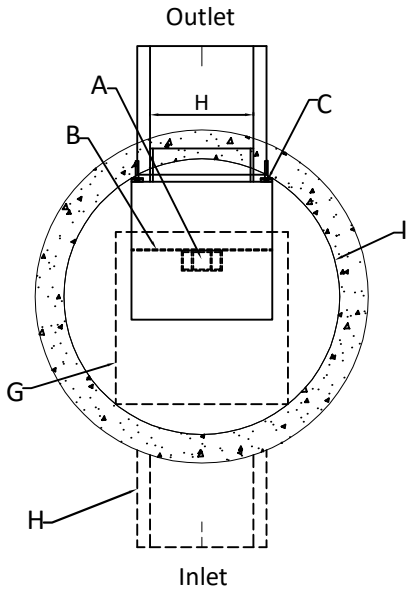
Specifications

1. The separator must be designed based on the following criteria:

Flow Criteria	
Annual TSS Removal (%)	
Annual Flow Treatment (%)	

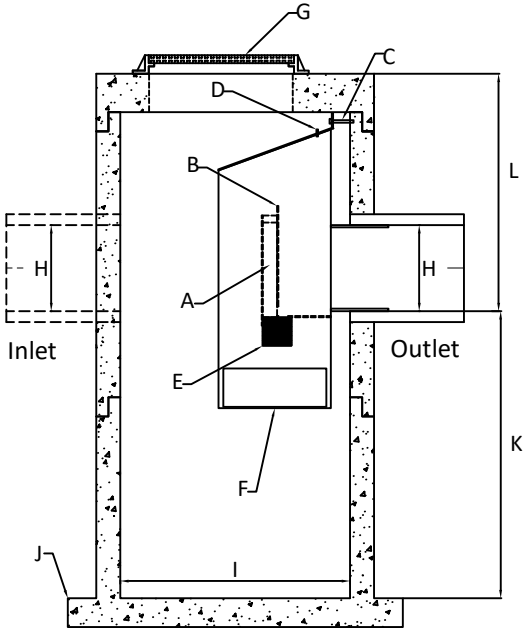
TSS Removal Criteria	
Annual TSS Removal (%)	
NJDEP/ETV Canada TSS PSD	
City of Toronto TSS PSD	
Other TSS PSD	



Plan

HydroDome Components

A. Siphon
B. Overflow Weir
C. Wall Anchor
D. Air Check Valve
E. Foam Debris Screen
F. Perforated Bottom
G. Grate or Cover
H. Inlet and Outlet Pipes
I. Structure Diameter
J. Base Extension
K. Sump Depth
L. Invert to Top of Structure



Profile

1. The separator must be independently tested to the 2014 TRCA OGS protocol and ETV Canada verified.
2. ETV Verification must demonstrate over 80% removal at one of the flow rates tested for verification.

Notes:

1. Sump depths shown are typical. Additional depth can be added as required.

2. Single or multiple inlet pipes allowed.

3. Drops allowed.

4. Inlet Grate Shown. HydroDome can be desiged with a closed cover if required.

5. Oil capacities given are spill capacities.

6. Sediment depths are maximum holding capacities and not recommended capacities for regular maintenance.

7. Capacities are rounded down to nearest 5L or 0.1 m3

8. Minimum rim to top of structure [L] required may vary for HydroDome. Please call Hydroworks for site-specific design questions.

9. Hydraulics vary with pipe size and model number. Please call Hydroworks for site-specific headloss calculations.

HydroDome by Hydroworks, LLC
CDN Patent Pending
www.hydroworks.com
888-290-7900

HydroDome Dimensions / Capacities *						
Model	Diameter (m) I	Sump Depth (m) K	Max. Pipe (mm) H	Total Volume (L)	Oil Spill Volume (L)	Sediment Volume (m3)
HD 3	0.9	1.2	450	800	115	0.3
HD 4	1.2	1.4	600	1600	265	0.7
HD 5	1.5	1.7	750	3055	505	1.3
HD 6	1.8	2.0	900	5200	865	2.3
HD 7	2.1	2.3	1050	8170	1360	3.5
HD 8	2.4	2.6	1200	12095	2130	5.3
HD 10	3.0	3.2	1500	23350	4260	10.4
HD 12	3.6	3.8	1800	40030	7475	17.9

* HD dimensions can be customized to provide custom oil or sediment volumes

Hydroworks HydroDome

PROJECT:

LOCATION:

REVISION DATE: 10/1/2021

Hydroworks