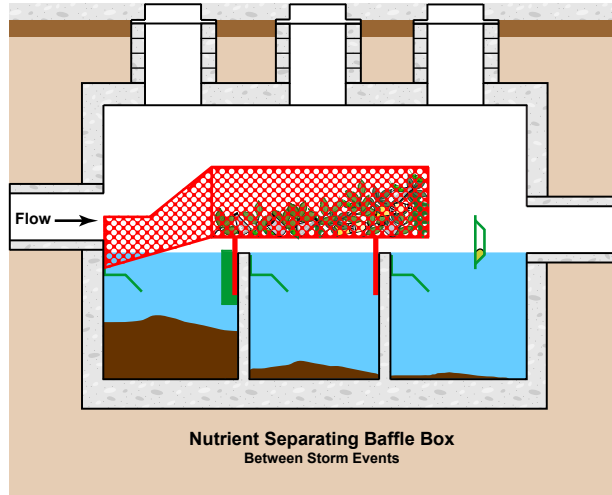


Nutrient Separating Baffle Box - Design Worksheet



Grade Elev.: _____

Inlet Pipe

Diameter (in): _____

Material: _____

Invert Elev (ft): _____

Existing: New:

Upstream Struc. #: _____

Outlet Pipe

Diameter (in): _____

Material: _____

Invert Elev (ft): _____

Existing: New:

Downstr. Struc. #: _____

Finish Grade Surfacing

- Road Surface
 Parking Lot
 Side Walk
 Grass

Access Type

- Hatches
 Rings/Covers
 Frames/Grates

Structure Load Rating

- HS25
 H20
 Pedestrian
 Requires Seal
 Civil PE
 Structural PE

Design Flows Rates (typically, only one of the following flow rates controls design)

Peak Treatment Flow (cfs) : _____

Defined as the maximum flow for which treatment is required by all primary contaminant removal elements, including sediment chambers, nutrient separating screen and hydrocarbon removal boom, without water by-pass. This flow rate may coincide with maximum design flow within the inlet pipe, pipe capacity, etc.

Peak Treatment Flow at 80% TSS Reduction (cfs) : _____

Defined as the maximum flow at which treatment performance of an 80% TSS reduction is required.

Inlet Flow Velocity At Peak Treatment Flow (fps): _____

Water Elevation Between Storm Events

Will the water elevation remain at or below the effluent pipe invert: No Yes

If 'No', seasonal or usage (e.g., water harvesting) fluctuation elevations in effluent pipe:

High (ft): _____ Low (ft): _____

Pipe Storage or Receiving Water Backup No Yes Max. Elev (ft). _____

Will the effluent pipe be used for stormwater storage during or after a runoff event or will receiving waters rise sufficiently to cause water to back up into the NSBB?

Project Name: _____

Design Firm: _____

City: _____ State: _____

Contact Name: _____

Phone: _____ Date: _____

See second page for additional information needs

