

February 23, 2022

RE: CDS pipe orientations on 2 Norino Way, Georgetown, MA
(CES Project #677583)

To whom it may concern,

The Contech CDS hydrodynamic separator includes internal components that allows for multiple inlet pipes to be used. The inlet bay successfully isolates the inlet flows from the treatment cylinder and sediment storage sump area. This feature allows for multiple inlet pipes to be used without adverse effects to sediment reduction performance.

During bypass conditions, the peak flows are conveyed over two weirs on either side of the treatment cylinder allowing that flow to access the outlet pipe opening.

Site plan pipe orientations should be designed to accommodate the CDS model's concrete manhole dimensions.

Please contact me if you have any questions or need any additional information.

Sincerely,

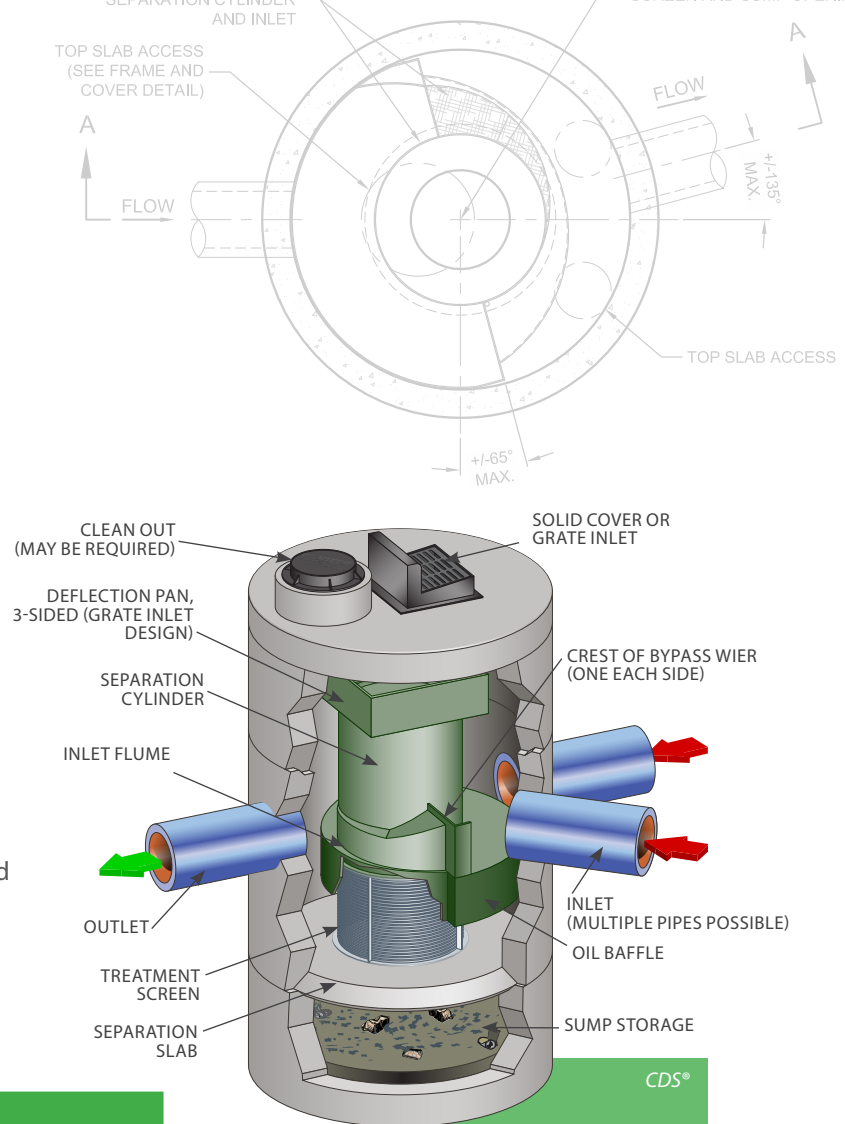
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The CDS® System

Superior TSS and Trash Removal ...

The CDS is a hybrid technology that uses a combination of swirl concentration and indirect screening to separate and trap sediment, trash, debris, and hydrocarbons from stormwater runoff.

At the heart of the CDS system is a unique screening technology used to capture and retain sediment. The screen face is louvered so that it is smooth in the downstream direction. The effect created is called "Continuous Deflective Separation." The power of the incoming flow is harnessed to continually shear debris off the screen and to direct trash and sediment toward the center of the separation cylinder. This results in a screen that is self-cleaning and provides 100% removal of floatables and neutrally buoyant material debris 2.4 mm or larger, without blinding.



FEATURE	BENEFIT
Unique flow path and isolated storage sump	Excellent TSS capture and retention
Captures and retains 100% of floatables and neutrally buoyant debris 2.4 MM or larger	Superior trash removal
Self-cleaning screen	Ease of maintenance
Inline, offline, multiple inlet pipes, grate inlet, and drop inlet configurations available	Design flexibility
Internal bypass	Eliminates the need for additional structures
Clear access to sump and stored pollutants	Fast, easy maintenance

Learn More:
www.ContechES.com/cds

SELECT CDS APPROVALS

- Washington Department of Ecology (GULD) – Pretreatment
- New Jersey Department of Environmental Protection Certification (NJDEP)
- Canadian Environmental Technology Verification (ETV)
- MASTEP
- Connecticut DOT

The CDS system has been accepted and used extensively in all New England states for over 20 years with thousands of installations.