CONNECTICUT DEPARTMENT OF TRANSPORTATION HYDRODYNAMIC SEPARATOR DESIGN DATA SHEETS (FORM A - DESIGN)

Project No		Route No.		Prepared By:		Date:	
Town		Location/Station		Checked By:		Date:	
				Company:			

HYDROLOGIC DATA

Drainage Area (Acres)	
Percent Impervious Area %	
Time of Concentration (min.)	
Drainage Design Flow (cfs)	
Drainage Design Frequency (yr)	
Water Quality Flow (cfs)	

HYDRODYNAMIC SEPARATOR (HS)

Coordinates:		Datum:	
X:		Horiz.	
Y:		Vert.	
Head loss coefficient			
Sediment Storage Capacity (cy):		HGL Elevation:	
Required		@ WQF	
		@ Design Q	
Maximum Flow to HS at Drainage Design Flow (cfs)			

Comments:

FLOW DIVERSION STRUCTURE

Type			
Weir and/or Bypass Elev.			
Weir Length (ft.)		Weir Coeff. (C)	
HGL Elevation:		Flow Split @ Drainage Design Flow	
@ WQF		To HS	
@ Design Q		Bypassing HS	

Sketch (NTS) - Indicate Pay limits

Comments:

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HYDRAULIC GRADE LINE ANALYSIS

Pipe	Downstream Str.	Pipe Size (in)	Flow (cfs)	Ground Elev. OUT (ft)	Invert Elev. OUT (ft)	HGL OUT (ft)	Depth OUT (ft)	Vel. Head OUT (ft)	EGL OUT (ft)	Length (ft)	Friction Slope (ft/ft)	Friction Loss (ft)	EGL IN (ft)	Vel. Head IN (ft)	HGL IN (ft)	Depth IN (ft)	Invert Elev. IN (ft)	Ground Elev. IN (ft)	Upstream Str.	Headloss Coeff.	Str. headloss (ft.)