Town		``	ACTOR PROPOSAL)	
Town   Location/Station   Date:  HYDROLOGIC DATA (Copy from FORM A - DESIGN)   Name:   Date:  Drainage Area (Acres)   License No:   State:  % Impervious Area   Company:  Time of Concentration (min.)   Drainage Design Flow (cfs)   Drainage Design Flow (cfs)   Drainage Design Frequency (yr)    Water Quality Flow (cfs)   HYDRODYNAMIC SEPARATOR (HS)    Manufacturer   Model Name   Model Name   Model Name   Model No.   Coordinates:   Datum:  X:	Project No	Route No.	PE Signature:	
Drainage Area (Acres)    License No:   State:			- Esignature.	
% Impervious Area  Time of Concentration (min.)  Drainage Design Flow (cfs)  Drainage Design Frequency (yr)  Water Quality Flow (cfs)  HYDRODYNAMIC SEPARATOR (HS)  Manufacturer  Model Name  Model No.  Coordinates:  Datum:  X: Horiz.  Y: Vert.  Sediment Storage Capacity (cy):  HGL Elevation:  Required  @ WQF  Installed  @ Design Q  Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.)  Weir Coeff. (C)  HGL Elevation:  Flow Split @ Drainage Design Flow (cfs):  @ WQF  To HS  @ Design Q  Bypassing HS  Sketch (NTS)				
Time of Concentration (min.) Drainage Design Flow (cfs) Drainage Design Frequency (yr) Water Quality Flow (cfs)  HYDRODYNAMIC SEPARATOR (HS)  Manufacturer Model Name Model No. Coordinates: Datum: X: Horiz. Y: Vert. Sediment Storage Capacity (cy): HGL Elevation: Required @ WQF Installed @ Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type Weir and/or Bypass Elev. Weir Length (ft.) Weir Coeff. (C) HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF Sketch (NTS)	<u>`</u> `		License No:	State:
Orainage Design Flow (cfs) Orainage Design Frequency (yr) Water Quality Flow (cfs)  HYDRODYNAMIC SEPARATOR (HS)  Manufacturer Model Name Model No.  Coordinates:  X:	% Impervious Area		Company:	
Drainage Design Frequency (yr) Water Quality Flow (cfs)  HYDRODYNAMIC SEPARATOR (HS)  Manufacturer Model Name Model No. Coordinates: Datum:  X: Horiz. Y: Vert. Sediment Storage Capacity (cy): HGL Elevation: Required @ WQF Installed @ Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type Weir and/or Bypass Elev. Weir Length (ft.) Weir Coeff. (C) HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF To HS @ WQF To HS  Sketch (NTS)		,		
Water Quality Flow (cfs)  HYDRODYNAMIC SEPARATOR (HS)  Manufacturer  Model Name  Model No.  Coordinates:  Datum:  X: Horiz. Y: Vert. Sediment Storage Capacity (cy): HGL Elevation: Required  @ WQF Installed  @ Design Q  Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C)  HGL Elevation Flow Split @ Drainage Design Flow (cfs):  @ WQF  HGL Elevation: Flow Split @ Drainage Design Flow (cfs):  @ WQF  To HS  @ Design Q  Sketch (NTS)		,		
HYDRODYNAMIC SEPARATOR (HS)  Manufacturer  Model Name  Model No.  Coordinates:  Datum:  X: Horiz.  Y: Vert. Sediment Storage Capacity (cy): HGL Elevation: Required  @ WQF Installed Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C) HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF  HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF  @ Design Q  Bypassing HS  Sketch (NTS)		y (yr)		
Manufacturer  Model Name  Model No.  Coordinates: Datum:  X: Horiz.  Y: Vert.  Sediment Storage Capacity (cy): HGL Elevation:  Required @ WQF  Installed @ Design Q  Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C)  HGL Elevation: Flow Split @ Drainage Design Flow (cfs):  @ WQF  To HS  @ Design Q  Sketch (NTS)				
Model Name  Model No.  Coordinates:  X:		ODYNAMIC SEPARATOR (HS)		
Model No.  Coordinates:  Datum:  X: Horiz. Y: Vert.  Sediment Storage Capacity (cy): HGL Elevation:  Required Installed WQF Installed We Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C) HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF WQF Bypassing HS Sketch (NTS)				
Coordinates:  X:	Model Name			
X:				
Y: Vert. Sediment Storage Capacity (cy): HGL Elevation: Required @ WQF Installed @ Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type Weir and/or Bypass Elev. Weir Length (ft.) Weir Coeff. (C) HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF @ Design Q Bypassing HS Sketch (NTS)	Coordinates:	Datum:		
Sediment Storage Capacity (cy): HGL Elevation:  Required @ WQF Installed @ Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C)  HGL Elevation: Flow Split @ Drainage Design Flow (cfs): @ WQF To HS @ Design Q Bypassing HS  Sketch (NTS)		Horiz.		
Required @ WQF Installed @ Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C)  HGL Elevation: Flow Split @ Drainage Design Flow (cfs):  @ WQF  @ WQF  To HS  @ Design Q  Sketch (NTS)	Y:			
Installed @ Design Q Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.) Weir Coeff. (C)  HGL Elevation: Flow Split @ Drainage Design Flow (cfs):  @ WQF To HS  @ Design Q Bypassing HS  Sketch (NTS)	Sediment Storage Capacity	C-57:		
Head loss coefficient  FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.)  Weir Coeff. (C)  HGL Elevation:  Flow Split @ Drainage Design Flow (cfs):  @ WQF  Design Q  Bypassing HS  Sketch (NTS)	Required	@ WQF		
FLOW DIVERSION STRUCTURE  Type  Weir and/or Bypass Elev.  Weir Length (ft.)		@ Design Q		
Weir and/or Bypass Elev.  Weir Length (ft.)  HGL Elevation:  @ WQF  Design Q  Bypassing HS  Weir Coeff. (C)  Flow Split @ Drainage Design Flow (cfs):  Sketch (NTS)				
Weir and/or Bypass Elev.  Weir Length (ft.)  HGL Elevation:  @ WQF  @ Design Q  Bypassing HS  Weir Coeff. (C)  Flow Split @ Drainage Design Flow (cfs):  To HS  Sketch (NTS)	FLO	W DIVERSION STRUCTURE		
Weir Length (ft.)  HGL Elevation:  @ WQF  Design Q  Weir Coeff. (C)  Weir Coeff. (C)  Flow Split @ Drainage Design Flow (cfs):  To HS  Sketch (NTS)	Туре			
HGL Elevation: Flow Split @ Drainage Design Flow (cfs):  @ WQF To HS  @ Design Q Bypassing HS Sketch (NTS)	Weir and/or Bypass Elev.			
<ul> <li>@ WQF</li> <li>@ Design Q</li> <li>Bypassing HS</li> <li>Sketch (NTS)</li> </ul>	Weir Length (ft.)	Weir Coeff. (C)		
@ Design Q Bypassing HS Sketch (NTS)	HGL Elevation:	Flow Split @ Drainage Design Flow	ow (cfs):	
	@ WQF	To HS		
Comments	@ Design Q	Bypassing HS	Sk	etch (NTS)
Confinents.	Comments:			
				Sheet

## CONNECTICUT DEPARTMENT OF TRANSPORTATION HYDRODYNAMIC SEPARATOR DESIGN DATA SHEETS (FORM B - CONTRACTOR PROPOSAL) Project No: Location/Station: Date: HYDRAULIC GRADE LINE ANALYSIS Str. headloss (ft.) Headloss Coeff. Ground Elev. OUT (ft) Depth OUT (ft) Friction Loss (ft) Ground Elev. IN (ft) Depth IN (ft) EGL OUT (ft) Friction Slope Pipe Size (in) HGL OUT (ft) Invert Elev. OUT (ft) Upstream Str. Downstream HGL IN (ft) Invert Elev. Flow (cfs) Vel. Head OUT (ft) EGL IN (ft) Vel. Head IN (ft) Length (ft) IN (ft) (ft/ft) Pipe Sheet 2 of 2