

# 816-1-CPS OIL WATER SEPARATOR

Project Plate Area = 1,184 Sq/ft  
Maximum Process Flow = 1,100 GPM

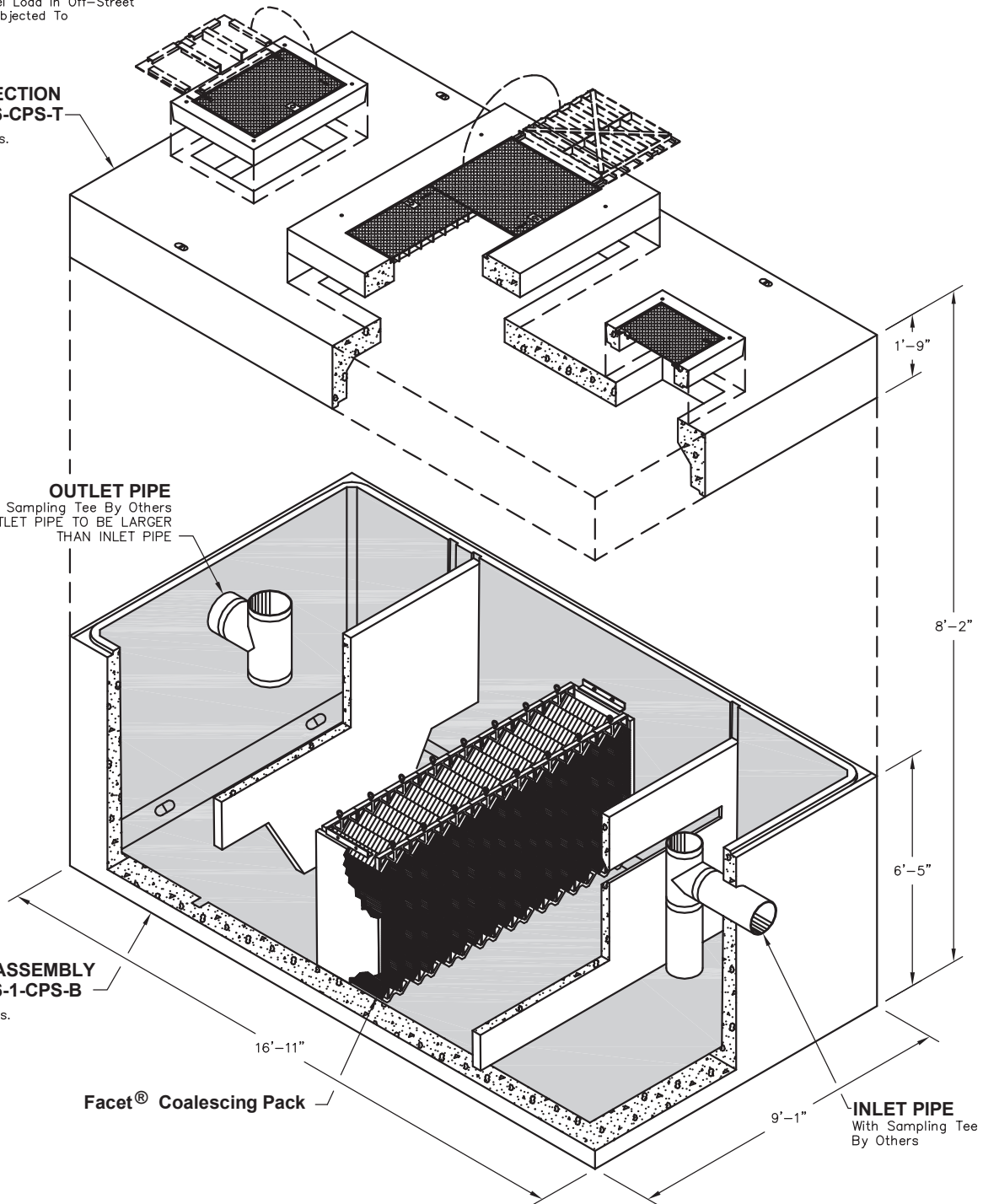
Suitable For H-20 Wheel Load In Off-Street Locations Where Not Subjected To High-Density Traffic.

**TOP SECTION**  
**No. 816-CPS-T**  
19,250 lbs.

**OUTLET PIPE**  
With Sampling Tee By Others  
\*OUTLET PIPE TO BE LARGER THAN INLET PIPE

**BASE ASSEMBLY**  
**No. 816-1-CPS-B**  
35,920 lbs.

Facet® Coalescing Pack

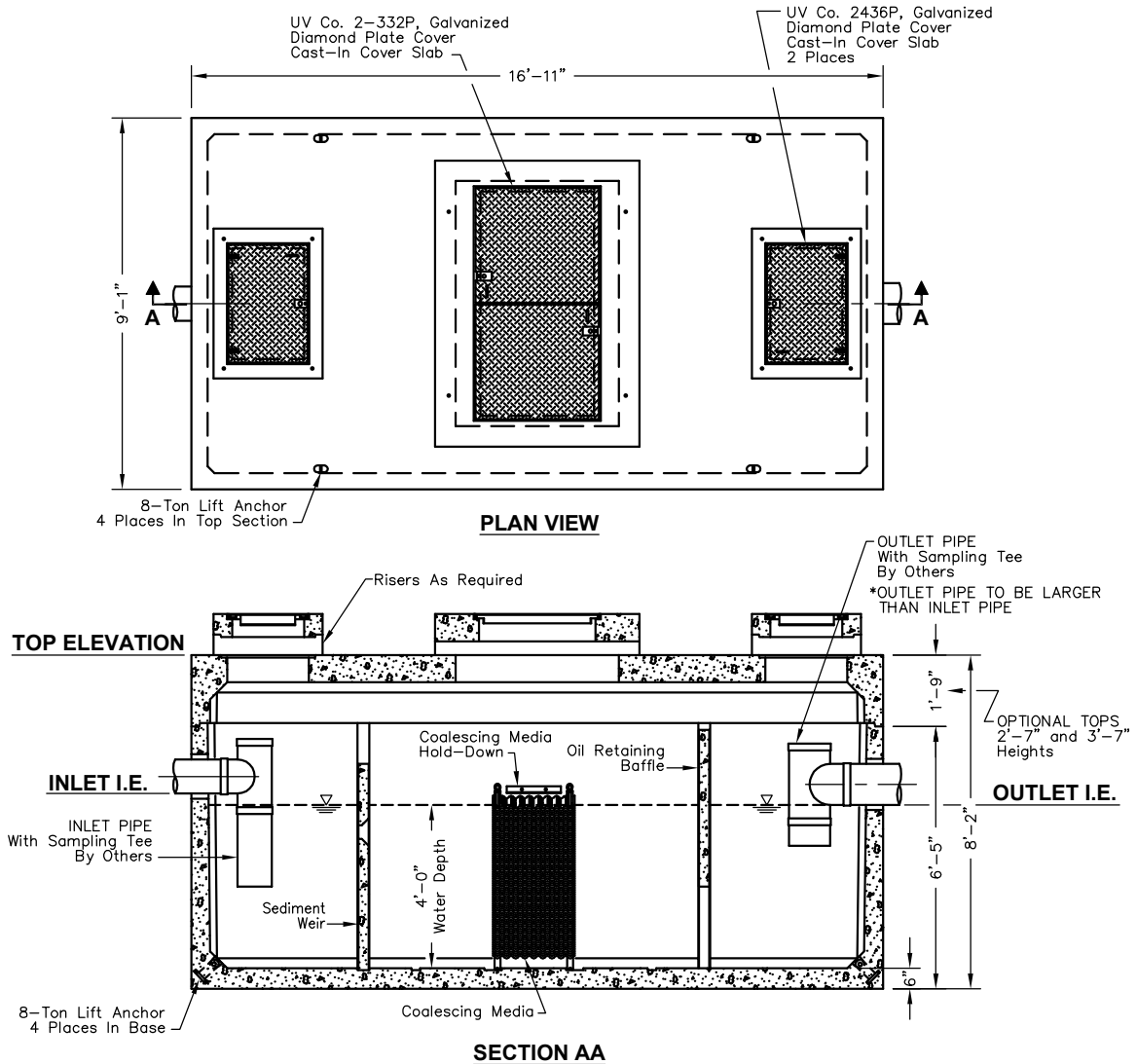


**FOR DETAILS, SEE REVERSE>>**

Items Shown Are Subject To Change Without Notice  
Issue Date: April 2016

# 816-1-CPS

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- STRUCTURAL NOTES:**
1. Concrete: 28 Day Compressive Strength  $f'c = 7000$  psi
  2. Rebar: ASTM A-615 Grade 60
  3. Mesh: ASTM A-185 Grade 65
  4. Design: ACI-318-05 Building Code  
ASTM C-890 "Minimum Structural Design Loading For Underground Precast Concrete Water and Wastewater Structures"
  5. Loads: HS-20 Truck Wheel w/ 30% Impact Per AASHTO

- GENERAL NOTES:**
1. All Baffles and Weirs To Be Precast Concrete
  2. Static Water Depth = 4'-0"
  3. Contractor to:  
Supply and Install All Piping & Sampling Tees  
Grout In All Pipes  
Fill With Clean Water Prior To "Start-Up" Of System  
Verify All Blockout Sizes and Locations

- INFORMATION NEEDED:**
- Top Of Separator Elevation:
  - Inlet Pipe Size:
  - Inlet Pipe Elevation:
  - Outlet Pipe Size:
  - Outlet Pipe Elevation:

**BASIC DESIGN INFORMATION:**

**INFLUENT CHARACTERISTICS:**  
Oil Specific Gravity: 0.88  
Operating Temperature: 50°  
Influent Oil Concentration: 100 ppm  
Mean Oil Droplet Size: 130 Microns  
0.033 ft/min Oil Rise Rate  
Designed Per Washington State Department Of Ecology

FLOW RATE	EFFLUENT QUALITY	COLLECTED SIZE
292 gpm	10 ppm	60 Microns

SCALE: 1/4"=1'-0"