

# 816-3-CPS OIL WATER SEPARATOR

Project Plate Area = 3,552 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.

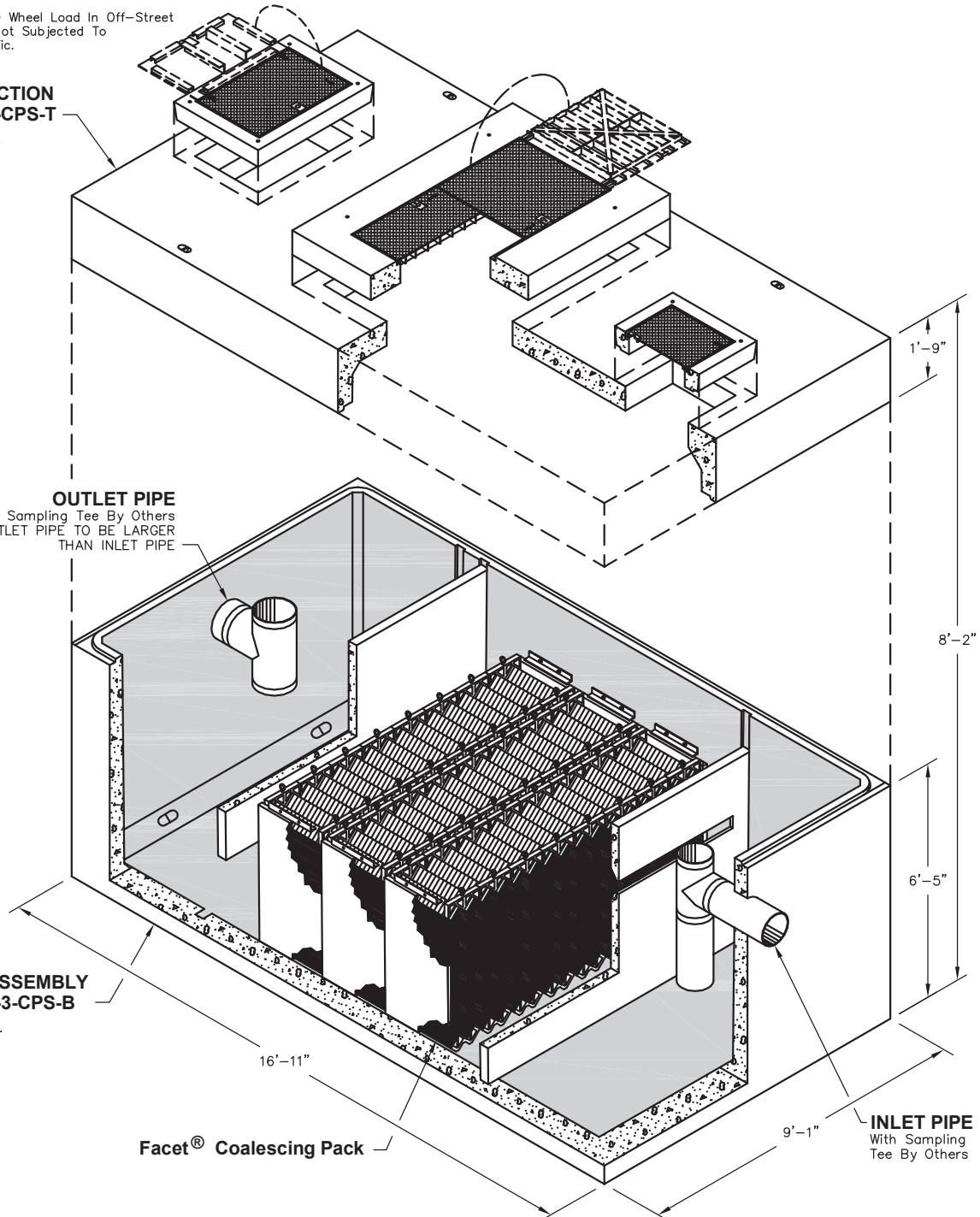
**TOP SECTION**  
**No. 816-CPS-T**  
19,250 lbs.

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

**BASE ASSEMBLY**  
**No. 816-3-CPS-B**  
36,880 lbs.

Facet® Coalescing Pack

**INLET PIPE**  
With Sampling Tee By Others

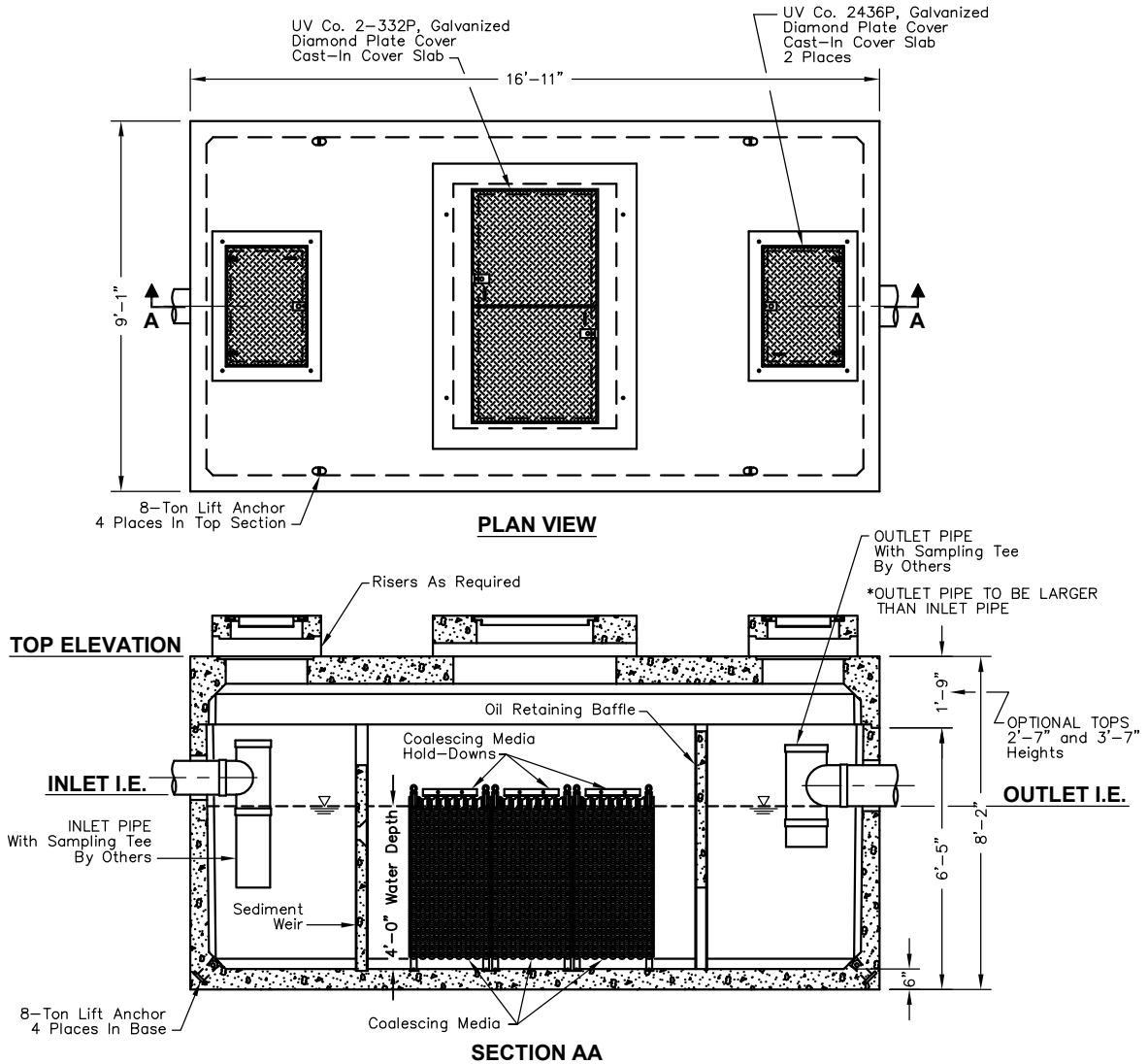


**FOR DETAILS, SEE REVERSE>>**

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

# 816-3-CPS

Project Plate Area = 3,552 Sq/ft  
Maximum Process Flow = 1,100 GPM



- STRUCTURAL NOTES:**
- Concrete: 28 Day Compressive Strength  $f'_c = 7000$  psi
  - Rebar: ASTM A-615 Grade 60
  - Mesh: ASTM A-185 Grade 65
  - Design: ACI-318-05 Building Code  
90C-857 "Minimum Structural Design Loading For Underground Precast Concrete Water and Wastewater Structures"
  - Loads: HS-20 Truck Wheel w/ 30% Impact Per AASHTO

- GENERAL NOTES:**
- All Baffles and Weirs To Be Precast Concrete
  - Static Water Depth = 4'-0"
  - 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
877 GPM	10 ppm	60 Micron

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