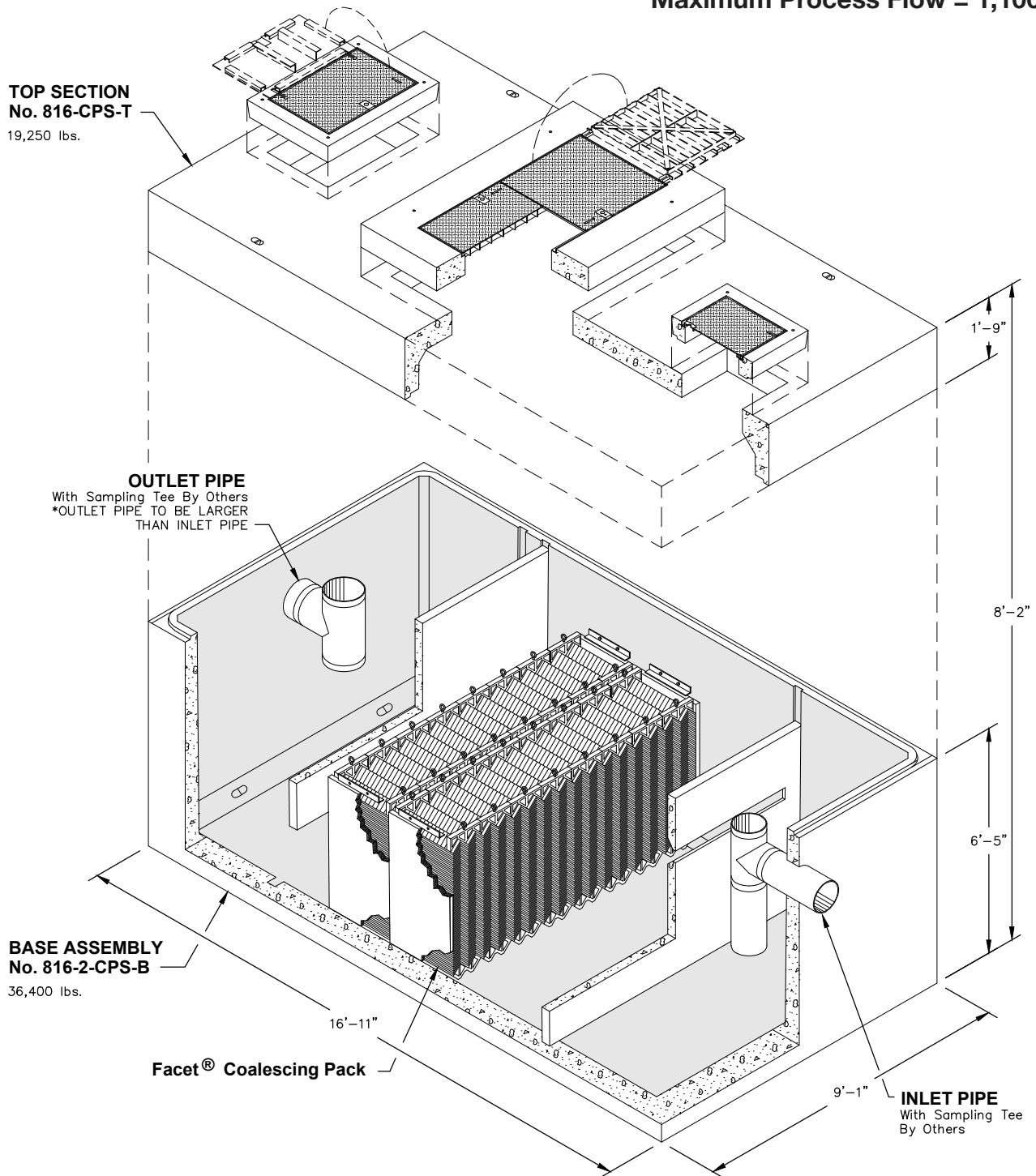


816-2-CPS OIL WATER SEPARATOR

Projected Plate Area = 2,368 Sq/ft

Maximum Process Flow = 1,100 GPM



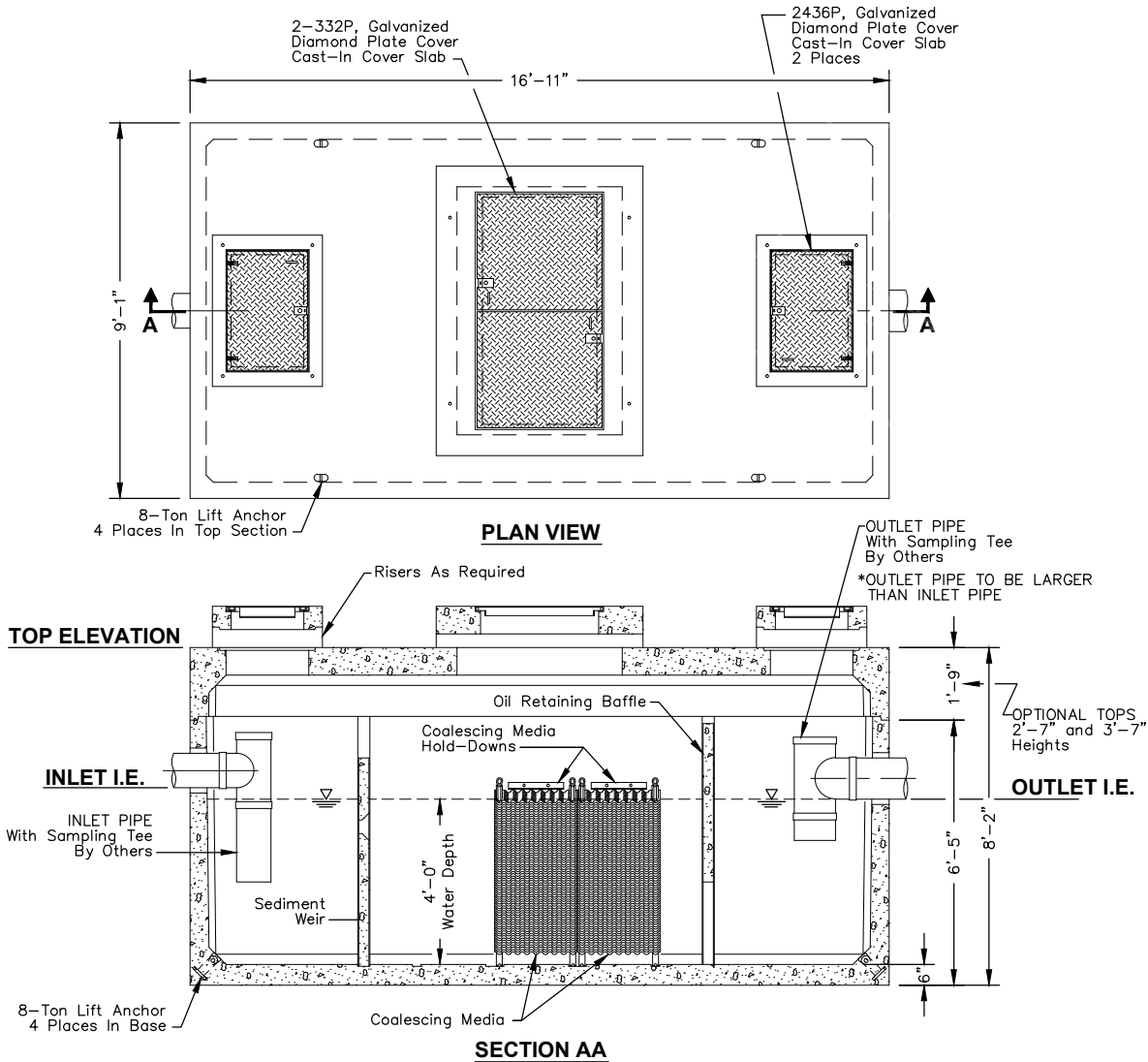
FOR DETAILS, SEE REVERSE >>

Items Shown Are Subject To Change Without Notice
Issue Date: August 2012

816-2-CPS

Projected Plate Area = 2,368 Sq/ft

Maximum Process Flow = 1,100 GPM



- 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	100% COLLECTED SIZE
585 GPM	10 ppm	60 Micron

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