

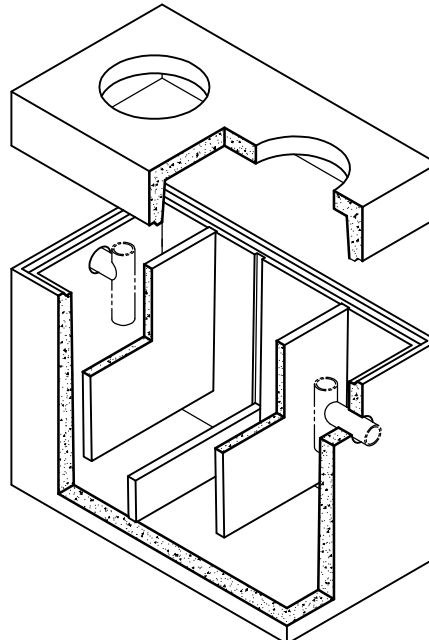
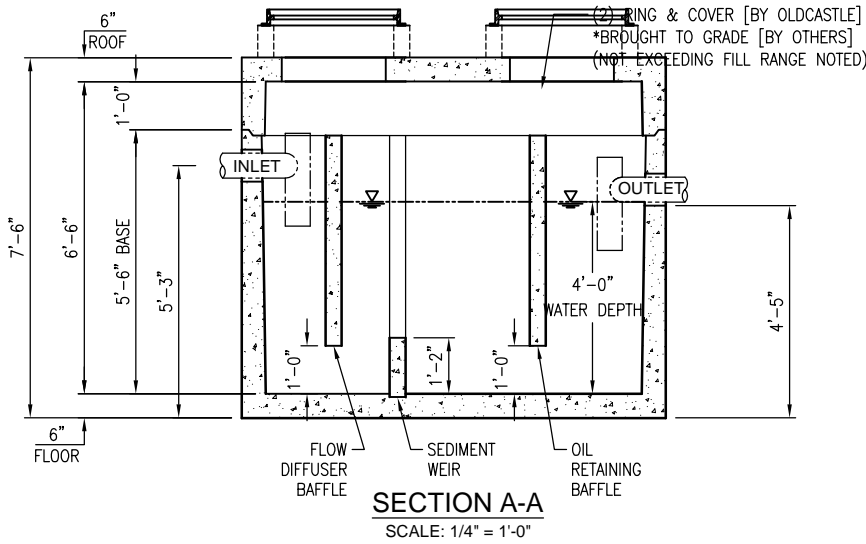
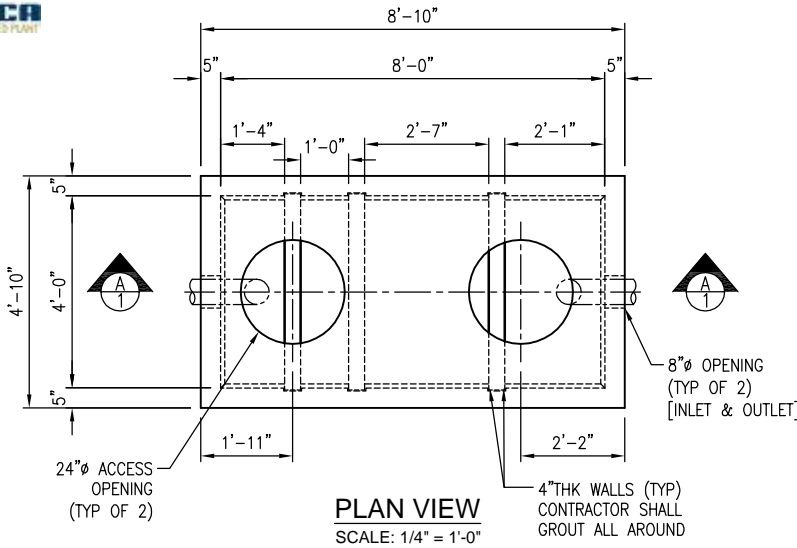


**GENERAL DESIGN NOTES:**

- STRENGTH DESIGN METHOD IN ACCORDANCE WITH (I.A.W.) ACI 318.
- APPLICABLE DESIGN CODES:
  - ACI 318 (MAIN DESIGN SPECIFICATION)
  - ASTM C913 (PRODUCT SPECIFICATION)
- PRECAST RATED FOR HS20 LIVE LOAD W/ IMPACT I.A.W. AASHTO SPECIFICATION
- DESIGN FILL RANGE = 0'(MIN) TO 2'(MAX)
- GROUND WATER TABLE ASSUMED AT 3'-6" BELOW GRADE. IF DESIGN (OR ACTUAL) WATER TABLE IS LESS THAN ASSUMED, REVIEWING ENGINEER TO NOTIFY OLDCASTLE PRECAST UPON REVIEW OF THIS SUBMITTAL.
- LATERAL DESIGN PRESSURES:
  - EQUIV DRY SOIL FLUID PRESSURE = 47 PCF
  - EQUIV SATURATED SOIL FLUID PRESSURE = 80 PSF
  - LIVE LOAD SURCHARGE PRESSURE = 2'.
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS :
  - f<sub>c</sub> TOP & BAFFLES = 5,000 PSI (MIN)
  - f<sub>c</sub> BASE = 6,000 PSI (MIN)
- REINFORCEMENT:
  - CARBON-STEEL DEFORMED BARS: ASTM A615, F<sub>y</sub> = 60KSI (MIN).
- JOINT SEALANT :
  - CS-102 CONSEAL BUTYL RUBBER SEALANT (OR EQUIV.) I.A.W. ASTM C990 FED. SPEC. SS-S-210,
- PRECAST DESIGN DOES NOT INCLUDE ANY LATERAL OR SURCHARGE LOADS FROM OTHER BUILDINGS OR FOUNDATIONS ADJACENT TO THIS STRUCTURE. THIS STRUCTURE SHALL BE KEPT A MINIMUM OF 1:1 RATIO AWAY FROM OTHER FOOTINGS OR FOUNDATIONS.

**NOTES TO CONTRACTOR:**

- PLEASE VERIFY ALL SIZES, LOCATIONS, AND ELEVATIONS OF OPENINGS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER COORDINATION TO ENSURE THAT AN ADEQUATE BEARING SURFACE IS PROVIDED (I.E. LEVEL AND COMPACTED) PER PROJECT SPECIFICATIONS AND DRAWINGS.
- AFTER PIPES ARE INSTALLED IN BLOCKOUTS, ALL ANNULAR SPACES SHALL BE FILLED WITH A MIN. OF 3,000 psi CONCRETE, TIGHT TO THE UNDERSIDE OF UPPER SECTION FOR FULL THICKNESS OF VAULT WALL.
- CONTRACTOR TO RESPONSIBLE FOR THE FOLLOWING:
  - SUPPLY & INSTALL ALL PIPING & SAMPLING TEES
  - GROUT IN ALL BAFFLES ON BOTH SIDES
- DESIGN, AS SHOWN HEREIN, IS APPLICABLE ONLY TO STRUCTURAL PERFORMANCE OF PRECAST. CAPACITY (GALLONS) SHALL BE DETERMINED BY OTHERS BASED ON SPECIFIC PROJECT REQUIREMENT



**INFORMATION NEEDED:**

- TOP OF SEPARATOR ELEVATION \_\_\_\_\_
- INLET PIPE SIZE \_\_\_\_\_
- INLET PIPE ELEVATION \_\_\_\_\_
- OUTLET PIPE SIZE \_\_\_\_\_
- OUTLET PIPE ELEVATION \_\_\_\_\_

APPROX. WEIGHTS		
SECTION	WEIGHT (lbs)	Concrete(CY)
12" TOP	7,400	1.17
66" BASE	14,500	3.50
BAFFLES	900 EACH	0.22
WEIR	300	0.06



THIS DOCUMENT IS THE PROPERTY OF OLDCASTLE PRECAST, INC. IT IS CONFIDENTIAL, SUBMITTED FOR REFERENCE PURPOSES ONLY, AND SHALL NOT BE USED IN ANY WAY INJURIOUS TO THE INTERESTS OF, OR WITHOUT THE WRITTEN PERMISSION OF OLDCASTLE PRECAST, INC. COPYRIGHT © 2017 OLDCASTLE PRECAST, INC ALL RIGHTS RESERVED

**1000 GALLON OIL WATER SEPARATOR SUBMITTAL LAYOUT**

CUSTOMER					
DATE	SALES	DRAWN	ENGINEER	CHECKED	SALES ORDER
5/30/17					
DRAWING NUMBER			REVISION	SHEET	
4x8-1000OWS			REV DATE	1 OF 6	

**REVISIONS**

REV	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					