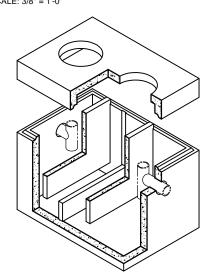


# (2) RING & COVER [BY OLDCASTLE] \*BROUGHT TO GRADE [BY OTHERS] (NOT EXCEEDING FILL RANGE NOTED) 6" ROOF ,9 INLE OUTLET BASE 4'-0" 3'-0' ထို WATER DEPTH 3,-2, - SEDIMENT 6" FLOOR FLOW DIFFUSER WFIR RFTAINING **RAFFLE** BAFFI F

### **SECTION A-A** SCALE: 3/8" = 1'-0'



# INFORMATION NEEDED:

- TOP OF SEPARATOR ELEVATION \_
- **INLET PIPE SIZE**
- INLET PIPE ELEVATION 3.
  - **OUTLET PIPE SIZE**
- OUTLET PIPE ELEVATION

### **REVISIONS**

REV	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY		
A							
В							

#### **GENERAL DESIGN NOTES:**

- STRENGTH DESIGN METHOD IN ACCORDANCE WITH (I.A.W.)
- 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:
  - fc TOP & BAFFLES = 5,000 PSI (MIN)
  - fc BASE = 6,000 PSI (MIN)
- REINFORCEMENT:
  - CARBON-STEEL DEFORMED BARS: ASTM A615, FY = 60KSI
- JOINT SEALANT:
  CS-102 CONSEAL BUTYL RUBBER SEALANT (OR EQUIV.) I.A.W. ASTM C990 FED. SPEC. SS-S-210.
- 10. 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

APPROX. WEIGHTS							
SECTION	WEIGHT (lbs)	Concrete(CY)					
6" TOP	2,900	0.72					
48" BASE	7,900	1.95					
BAFFLES	750 EACH	0.18					
WEIR	250	0.06					



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#### 500 GALLON OIL WATER SEPARATOR SUBMITTAL LAYOUT

CUSTOME	

		DRAWN	ENGINEER				
DATE	SALES	CHECKED	SALES ORDER				
11/2/17							
	DRAWING N	REVISION		SHEET			
	4x6-500	REV DATE	1	OF	6		