



GENERAL DESIGN NOTES:

1. STRENGTH DESIGN METHOD I.A.W. ACI 318
2. APPLICABLE DESIGN CODES:
 - ACI 318 (MAIN DESIGN SPECIFICATION)
 - ASTM C913 (PRODUCT SPECIFICATION)
 - ASTM C890 (LOADING SPECIFICATION)
3. PRECAST RATED FOR HS20 LIVE LOAD W/ IMPACT I.A.W. AASHTO SPECIFICATION
4. DESIGN FILL RANGE = 0'(MIN) TO 3'(MAX).
5. GROUND WATER TABLE FOR STRUCTURAL CALCULATIONS IS BASED UPON GROUND WATER TABLE AT 5'-0" BELOW GRADE. IF DESIGN(OR ACTUAL) WATER TABLE IS LESS THAN ASSUMED, REVIEWING ENGINEER/AUTHORITY SHALL NOTIFY OLDCASTLE PRECAST, INC. UPON REVIEW OF THIS SUBMITTAL.
6. LATERAL DESIGN PRESSURES:
 - EQUIV DRY SOIL FLUID PRESSURE = 47 PCF
 - EQUIV SATURATED SOIL FLUID PRESSURE = 85 PSF
 - LIVE LOAD SURCHARGE PRESSURE = 2'
7. CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS = 4,000 PSI.
8. REINFORCEMENT: ASTM A615, GRADE 60.
9. JOINT SEALANT: BUTYL RUBBER, SS-0100210
10. THESE CALCULATIONS DO NOT INCLUDE ANY LATERAL OR SURCHARGE LOADS PRODUCED BY OTHER FOOTINGS 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:

1. PLEASE VERIFY ALL SIZES, LOCATIONS, AND ELEVATIONS OF OPENINGS.
2. 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.
3. 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.
4. THE CONTRACTOR SHALL BE RESPONSIBLE TO SUPPLY AND INSTALL ALL PIPING AND SAMPLING TEES.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO FILL WITH CLEAN WATER PRIOR TO "START-UP" OF SYSTEM.
6. STRUCTURE IS NOT DESIGNED FOR INTERNAL WATER PRESSURE PRIOR TO BACKFILLING. THE CONTRACTOR SHALL BACKFILL STRUCTURE PRIOR TO TESTING OR PLACING IN SERVICE.

NOTES TO REVIEWING ENGINEER:

1. DESIGN, AS SHOWN HEREIN, IS APPLICABLE ONLY TO STRUCTURAL PERFORMANCE OF PRECAST. CAPACITY (GALLONS) SHALL BE DETERMINED BY OTHERS BASED ON SPECIFIC PROJECT REQUIREMENTS.

THIS MUST BE FILLED OUT BEFORE MANUFACTURING BEGINS

APPROVED W/ NO EXCEPTIONS TAKEN:

APPROVED AS NOTED:

REVISED AND RESUBMIT:



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SIGNATURE _____ DATE _____

WEIGHTS		
SECTION	WEIGHT (lbs)	Concrete(CY)
SLAB TOP	3,000	0.74
5.00' BASE	9,900	2.44
FLOW BAFFLE	750	0.19
SED WEIR	250	0.06
OIL BAFFLE	750	0.19
PRECAST TOTAL	14,650	

600 GALLON OIL WATER SEPARATOR
SUBMITTAL LAYOUT
4'X6'X4'-6" ID VAULT
CUSTOMER _____

DATE	SALES TM	DRAWN PPS	ENGINEER EMT	CHECKED	SALES ORDER
7/21/17				--	--
DRAWING NUMBER 600-OWS				REVISION	SHEET
				--	1 OF 5

REVISIONS

REV	DATE	BY	SHEET	DESCRIPTION OF REVISION	REQUESTED BY
A					
B					