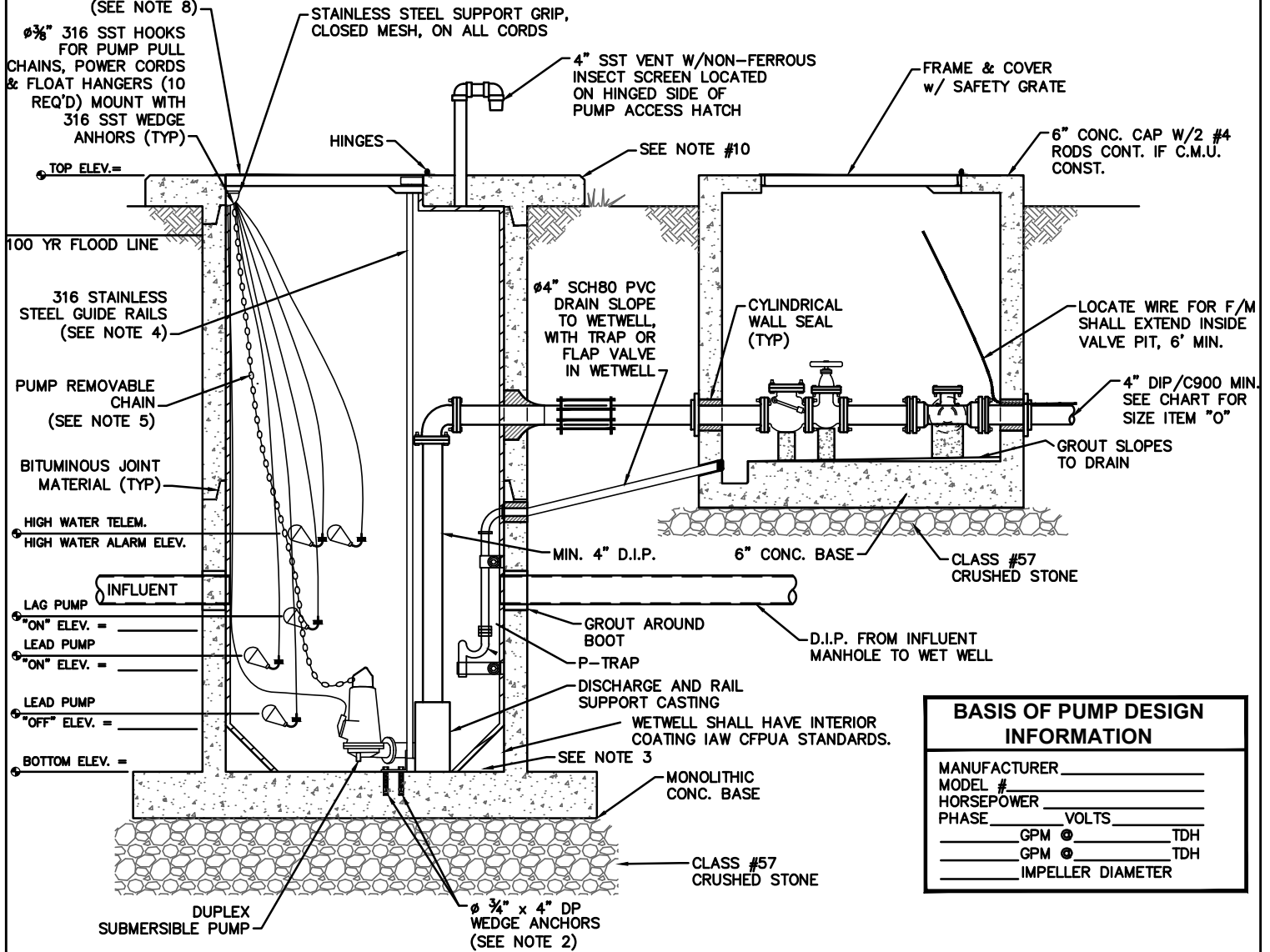


User:JUSTIN.HANES File:\CFPUA-SHARES\DEPARTMENTS\ENGINEERS\2013_PROJECT MANAGEMENT DIVISION\2017 PROJECTS\148177045-STANDARDS UPDATE\40 CFPUA DWG DETAIL\59 FINAL DETAIL DRAWINGS\CAD\PS-C3 WET WELL-VALVE VAULT SECTION.DWG Scale:1:1 Plot Date:12/27/2018 Time:12:22 Justin.Hanes Layout:LAYOUT1

WET WELL AND VALVE SECTION BELOW IS TYPICAL.
INCLUDE PROJECT SPECIFIC, TO SCALE DRAWING IN ENGINEER'S PLANS.



BASIS OF PUMP DESIGN INFORMATION	
MANUFACTURER	_____
MODEL #	_____
HORSEPOWER	_____
PHASE	VOLTS _____
	_____ GPM @ _____ TDH
	_____ GPM @ _____ TDH
	IMPELLER DIAMETER _____

SECTION
NOT TO SCALE

NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL METAL WET WELL COMPONENTS, HARDWARE, AND FASTENERS, SHALL BE CAST IRON, DUCTILE IRON, OR 316 STAINLESS STEEL OR BETTER.
- UNLESS OTHERWISE SPECIFIED, ALL CONCRETE FASTENERS TO BE 316 STAINLESS STEEL WEDGE ANCHORS (TYP).
- CONCRETE FILLET IN BOTTOM OF WET WELL TO START 10" FROM THE ULTIMATE PUMP SIZE AND BASE AT 45° (TYP) ALL AROUND.
- ONE PIECE SCHEDULE 40, 316 STAINLESS STEEL GUIDE RAILS. DIAMETER PER MANUFACTURERS RECOMMENDATIONS. TWO PIECE RAILS WITH INTERMEDIATE (MID 1/3) SUPPORT, FOR LENGTHS GREATER THAN 18 FEET. UPPER GUIDE RAIL BRACKET SHALL ALSO BE STAINLESS STEEL.
- PUMP REMOVABLE CHAIN AND RELATED LIFTING HARDWARE TO BE 3/8" MIN., 316-L STAINLESS STEEL 2000 LB MIN. WORKLOAD LIMIT. LENGTH TO EXTEND 4' ABOVE HATCH.
- PUMP DISCHARGE SUPPORT BRACKET FOR DUCTILE IRON, OVER 10' MIN. ONE REQUIRED. MIDWAY.
- ACCESS HATCHES SHALL BE PAD LOCKABLE FRAME AND COVER, WITH 1/4" ALUMINUM PLATE AND 1/8" THICK x 3" WIDE STAINLESS STEEL HINGES MIN. AND POSITIVE LOCKING DOOR RESTRAINT. HINGE ON DISCHARGE SIDE OF WET WELL AND VALVE BOX, (HALLIDAY PROD. OR EQUAL, SIZE AS REQUIRED) w/ SAFETY GRATE.
- PLUG VALVES TO BE DeZURIK (FIG. 118) ECCENTRIC, CAST IRON BODY AWWA C504 WITH 4" HAND WHEEL AND NON RISING STEM. SWING CHECK VALVES SHALL BE AS SPECIFIED.
- ELEVATION OF TOP OF WET WELL AND ELECTRICAL CONDUITS SHALL BE 2.0 FEET ABOVE THE 100 YEAR FLOOD ELEVATION.
- CONCRETE PAD (36" MINIMUM WIDTH W/45° CHAMFER) AROUND OUTSIDE DIAMETER OF WET WELL.

DETAIL: WET WELL - VALVE VAULT SECTION	
SCALE: NOT TO SCALE	CFPUA DETAIL DATE: 01/01/19
CFPUA REV. No: 1	

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DETAIL NO: PS-C3
SHEET NO: -