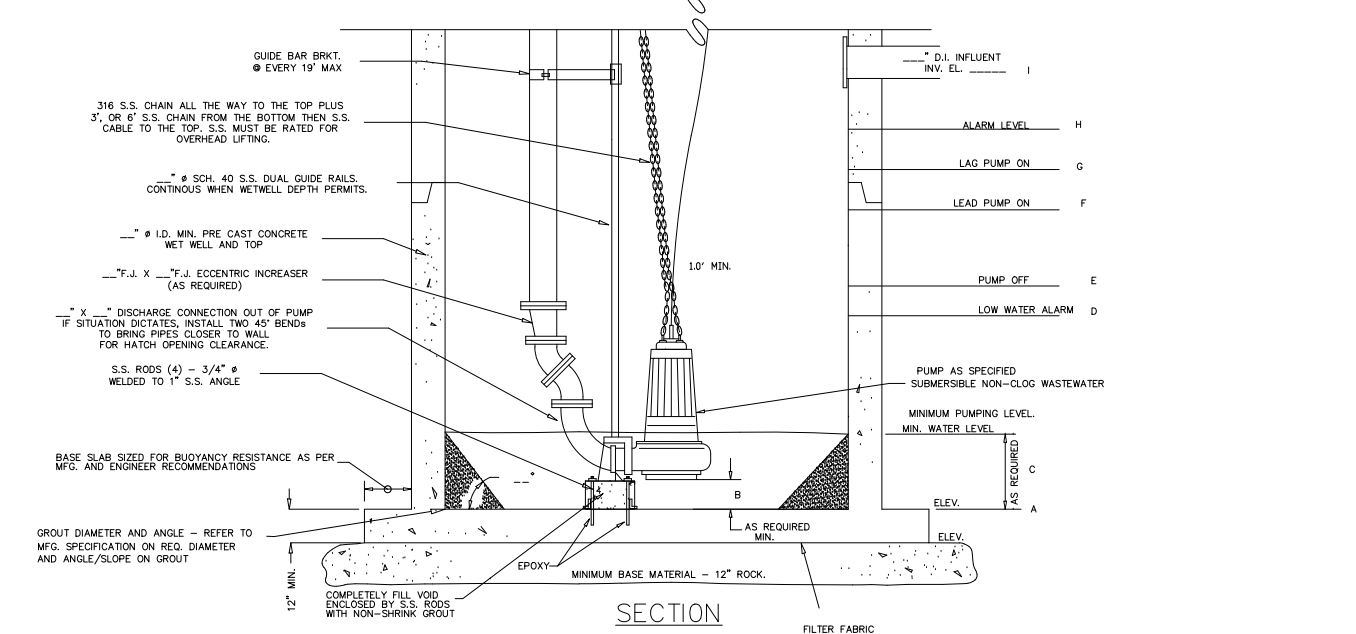


PUMP STATION CRITICAL ELEVATIONS		
POINT	DESCRIPTION	ELEVATION/DISTANCE
A	BOTTOM OF WETWELL	
B	(DISTANCE)	
C	MINIMUM WATER LEVEL (DISTANCE)	
D	LOW WATER ALARM	
E	PUMP OFF	
F	LEAD PUMP ON	
G	LAG PUMP ON	
H	HIGH WATER ALARM	
I	I. E. INFLUENT	
J	TOP OF WETWELL	
K	CORNER OF SLAB	

DESIGN NOTES	
(NOT TO BE INCLUDED IN DETAILS)	
PUMP STATION CONTROL ELEVATIONS (I.E.: PUMP ON, PUMP OFF) MUST BE AT 1.0' INTERVALS	
POINT	DESCRIPTION
A	BOTTOM OF WELL
B	DEFINED BY PUMP SPECIFICATIONS (DISTANCE)
C	MINIMUM WATER LEVEL (DISTANCE) DEFINED BY PUMP SPECIFICATIONS
D	LOW WATER ALARM MINIMUM WATER LEVEL (+ 0.25')
E	PUMP OFF LOW WATER ALARM (+ 1.0')
F	LEAD PUMP ON DEFINED BY PUMP STATION CYCLE TIME
G	LAG PUMP ON LEAD PUMP (+ 1.0')
H	HIGH WATER ALARM LAG PUMP (+ 1.0')
I	I. E. INFLUENT
J	TOP OF WETWELL
K	SLOPE SLAB AWAY FROM WETWELL CORNER OF SLAB



TYPICAL SMALL PUMP STATION PROFILE VIEW

NOT TO SCALE

- NOTES:
1. TERMINATE TRACER WIRE OUTSIDE OF FENCING.
 2. HANDLES FOR ROTATED CHECK AND PLUG VALVES ARE TO BE LOCATED OUTSIDE OF PIPING FOR EASE OF MAINTENANCE.
 3. PIPES, FITTINGS, AND BOLTS INSIDE OF THE WETWELL SHALL BE EPOXY COATED (PIPES INTERNALLY AND EXTERNALLY) WITH APPROVED HYDROGEN SULFIDE PROTECTIVE COATING.
 4. ABOVE GROUND PIPING WILL BE CHARLESTON GREEN.
 5. ALL SEATS ON PLUG VALVES SHOULD BE ORIENTED TOWARDS PUMPS.
 6. WHEN APPLICABLE, TOSHIBA FLOW METER SHALL BE PLACED DOWNSTREAM OF THE BYPASS TEE ON THE DISCHARGE PIPING. FLOW METER SHALL BE INSTALLED PER MANUFACTURER'S SPACING REQUIREMENTS. INSTALL STAINLESS STEEL SUN SHADING/PROTECTION.
 7. STAINLESS STEEL HOOKS SHALL BE PROVIDED ON EACH SIDE OF THE WETWELL HATCH OPENING FOR HANGING POWER CABLES FOR EACH PUMP. HOOKS WILL BE OF ADEQUATE STRENGTH TO HOLD CABLES IN ITS ENTIRETY.
 8. RADAR LEVEL SENSOR SHALL BE VEGA C21 OR PULSAR REFLECT W2 MODEL AND WILL BE MOUNTED PER MANUFACTURER'S RECOMMENDATIONS.
 9. STAINLESS STANCHION SUPPORTS SHALL HAVE RUBBER GASKET MATERIAL BETWEEN SUPPORT AND PIPING. PIPING OVER BRACE SUPPORT MUST BE PAINTED BEFORE RUBBER GASKET MATERIAL IS INSTALLED AND BRACE FINALLY BOLTED/TIGHTENED DOWN.
 10. LOCATION, MODEL, SIZE AND TOTAL NUMBER OF ALL ARVs ON FM HEADER TO BE CHECKED BY DESIGN ENGINEER AGAINST MANUFACTURER'S RECOMMENDATIONS.

SEWER PANEL 3B

BERKELEY COUNTY WATER AND SANITATION
POTABLE WATER & SANITARY SEWER STANDARDS
REVISED 09/04/2025