



1. OFFICIAL BYPASS PLAN TO BE SUBMITTED TO AND APPROVED BY BCWS PRIOR TO PLACING IN OPERATION. SEE APPENDIX G SECTION 02737 FOR FULL SPECIFICATION COVERING CONTROL OF WASTEWATER FLOWS (TEMPORARY BYPASS PUMPING SYSTEMS AND BYPASS PUMPING PLAN FORM TO BE SUBMITTED).
2. CONTRACTOR TO FURNISH DETAILED SCHEMATIC DRAWING IDENTIFYING THE LOCATION OF ALL PUMPING SYSTEM COMPONENTS.
3. PRIMARY BYPASS PUMPS SHALL BE ELECTRIC AND SECONDARY PUMPS SHALL BE DIESEL POWERED. DIESEL PUMP SHALL BE EQUIPPED WITH DAY TANK WITH A MINIMUM OF 24-HR RUNTIME WITHOUT REFUEL, AND AUTOMATIC START/STOP CONTROLS. NO BYPASS PUMP SHALL BE SMALLER THAN 6" UNLESS SPECIFICALLY APPROVED BY BCWS.
4. PRIMARY ELECTRIC PUMPS MUST BE SET UP ON TEMPORARY POWER AT EACH BYPASS PUMPS SITE AND MUST BE SET UP FOR SCADA MONITORING.
5. PUMPING CAPACITY OF BYPASS PUMPS SHALL BE CAPABLE OF HANDLING THE FLOW CONDITIONS AT ALL TIMES INCLUDING RAIN EVENTS AND SHALL PROVIDE A MINIMUM OF 1.5 TIMES THE EXISTING CAPACITY OF WHATEVER LINE OR LIFT STATION IS BEING BYPASSED.
6. FOUR FLOAT SWITCHES ARE REQUIRED FOR BOTH PRIMARY AND SECONDARY PUMPS SET AT APPROPRIATE LEVELS WITHIN SUCTION LOCATION TO PREVENT SURCHARGING OR OVERFLOWS. PRIMARY LEVEL MONITORING VIA RADAR OR ULTRASONIC UNITS IS ALSO ACCEPTABLE.
7. SECONDARY DIESEL PUMP MUST BE PROVIDED WITH A TRICKLE CHARGING SYSTEM TO ENSURE PUMP IS PREPARED TO OPERATE WHEN NECESSARY.
8. DIALER SYSTEM MUST BE SETUP ON BOTH PRIMARY AND SECONDARY PUMPS TO NOTIFY CONTRACTOR OF PUMP CONDITIONS FOR MAINTENANCE RESPONSES.
9. CONTRACTOR REQUIRED TO CLEAN/VAC OUR SUCTION MANHOLE OR WETWELL TO AN ACCEPTABLE LEVEL PRIOR TO BYPASS INSTALLATION TO MINIMIZE RAGGING ISSUES.
10. CONTRACTOR RESPONSIBLE TO KEEP MAINTENANCE LOG/REPORT AND TO SUBMIT WEEKLY TO ENGINEER/BCWS. COPY OF REPORT TO BE KEPT ON SITE AS WELL.
11. ALL DISCHARGE PIPING MUST BE HYDROSTATICALLY TESTED TO MINIMUM 60PSI FOR 2 HR DURATION. LOW PRESSURE AIR TEST MAY BE SUBSTITUTED IF REVIEWED AND APPROVED BY ENGINEER/BCWS. INDIVIDUAL JOINT TESTING WILL NOT BE ACCEPTED. SEE APPENDIX G SECTION 02737 FOR FULL LISTING OF ACCEPTED MATERIAL.

*TYPICAL TEMPORARY PUMP STATION BYPASS  
PLAN VIEW*

NOT TO SCALE

**SEWER PANEL 9**  
BERKELEY COUNTY WATER AND SANITATION  
POTABLE WATER & SANITARY SEWER STANDARDS  
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