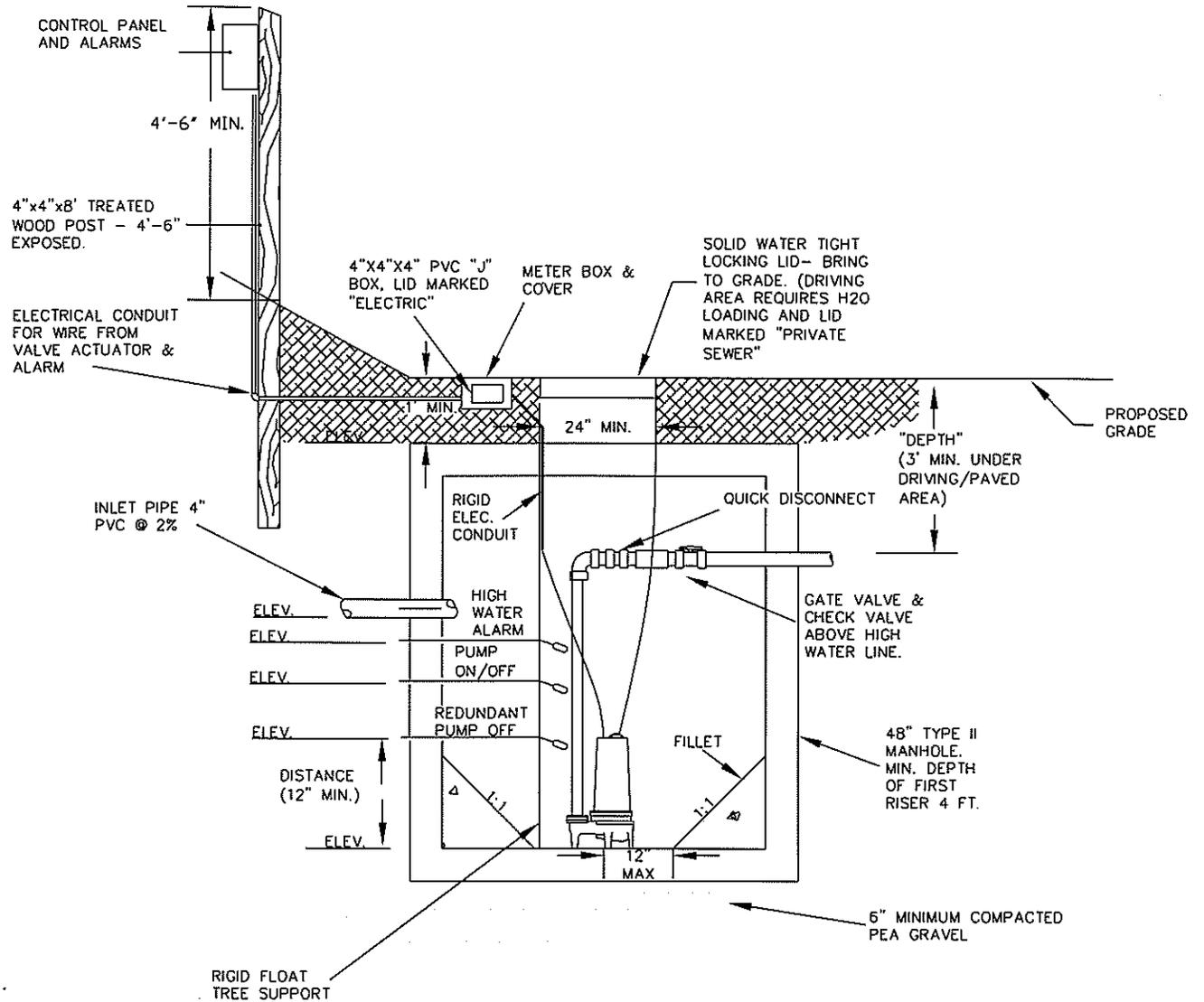


**NOTES:**

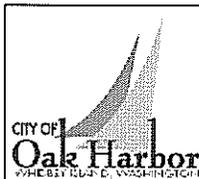
1. AN OPERATIONAL CHECK OF THE PUMP, ON/OFF SWITCH, FLOATS AND ALARM SYSTEM SHALL BE REQUIRED AS PART OF THE TESTING PROCEDURES.
2. GRAVITY SEWER PIPE SHALL BE CONSIDERED AS PART OF THE RESIDENTIAL SEWER PUMP INSTALLATION. TESTING OF GRAVITY LINES SHALL BE COMPLETED AT THE TIME THE FORCE MAIN IS TESTED.
3. THE ALARM MUST BE IN A CONSPICUOUS LOCATION AND MUST CONSIST OF BOTH AUDIO AND VISUAL ALARMS.
4. WET WELL MUST BE WATERTIGHT.
5. THE GRINDER PUMP WET WELL SHALL BE INSTALLED ON LEVEL UNDISTURBED SOIL WITH A MINIMUM TOTAL LOAD BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT. THE GRINDER PUMP WET WELL SHALL BE SET ON A LAYER OF PEA GRAVEL A MINIMUM OF 6 INCHES COMPACTED DEPTH.
6. ELECTRICAL INSPECTION SHALL BE COMPLETED AND APPROVAL POSTED AT JOB SITE PRIOR TO CALLING FOR INSPECTION BY CITY INSPECTOR.
7. THE PUMPING CHAMBER SHALL BE ADEQUATELY VENTED. VENTING MAY BE ACCOMPLISHED THROUGH THE BUILDING OR STRUCTURE PLUMBING VENTS WHERE THE SYSTEM VENTING HAS BEEN APPROVED BY THE LOCAL JURISDICTION AUTHORITY OR BY A DIRECT 2" MINIMUM VENT TO THE ATMOSPHERE.
8. EQUIPMENT THAT IN NORMAL OPERATION MAY CAUSE AN ARC OR SPARK SHALL NOT BE INSTALLED IN ANY PUMPING CHAMBER.
9. FLOAT SWITCHES INSTALLED IN AN UNCLASSIFIED LOCATION SHALL BE HERMETICALLY SEALED TO PREVENT THE ENTRANCE OF GASES OR VAPORS.
10. WHERE A CONDUIT SYSTEM IS INSTALLED BETWEEN THE PUMPING CHAMBER AND THE CONTROL PANEL, MOTOR DISCONNECT, OR POWER SOURCE, AN APPROVED SEALING FITTING SHALL BE INSTALLED TO PREVENT THE MIGRATION OF GASES OR VAPORS FROM THE PUMPING CHAMBER, AND SHALL REMAIN ACCESSIBLE.
11. WIRE SPLICES IN JUNCTION BOXES INSTALLED IN PUMPING CHAMBERS, SHALL BE SUITABLE FOR WET LOCATIONS.
12. SUBMERGENCE OF THE PUMPING MOTOR SHALL BE GUARANTEED BY THE DESIGN OF THE PUMP OR BY REDUNDANT OFF FLOATS.



**APPROVED**  
 City of Oak Harbor  
 Engineering Dept

\_\_\_\_\_  
 Signature

6/8/06  
 Date



City of  
 Oak Harbor  
 ENGINEERING DEPARTMENT  
 865 SE Barrington Drive  
 Oak Harbor, WA 98277

**RESIDENTIAL SEWER  
 GRINDER PUMP**

SS-2Residential Sewer Grinder Pump.dwg

REVISED 3-20-06