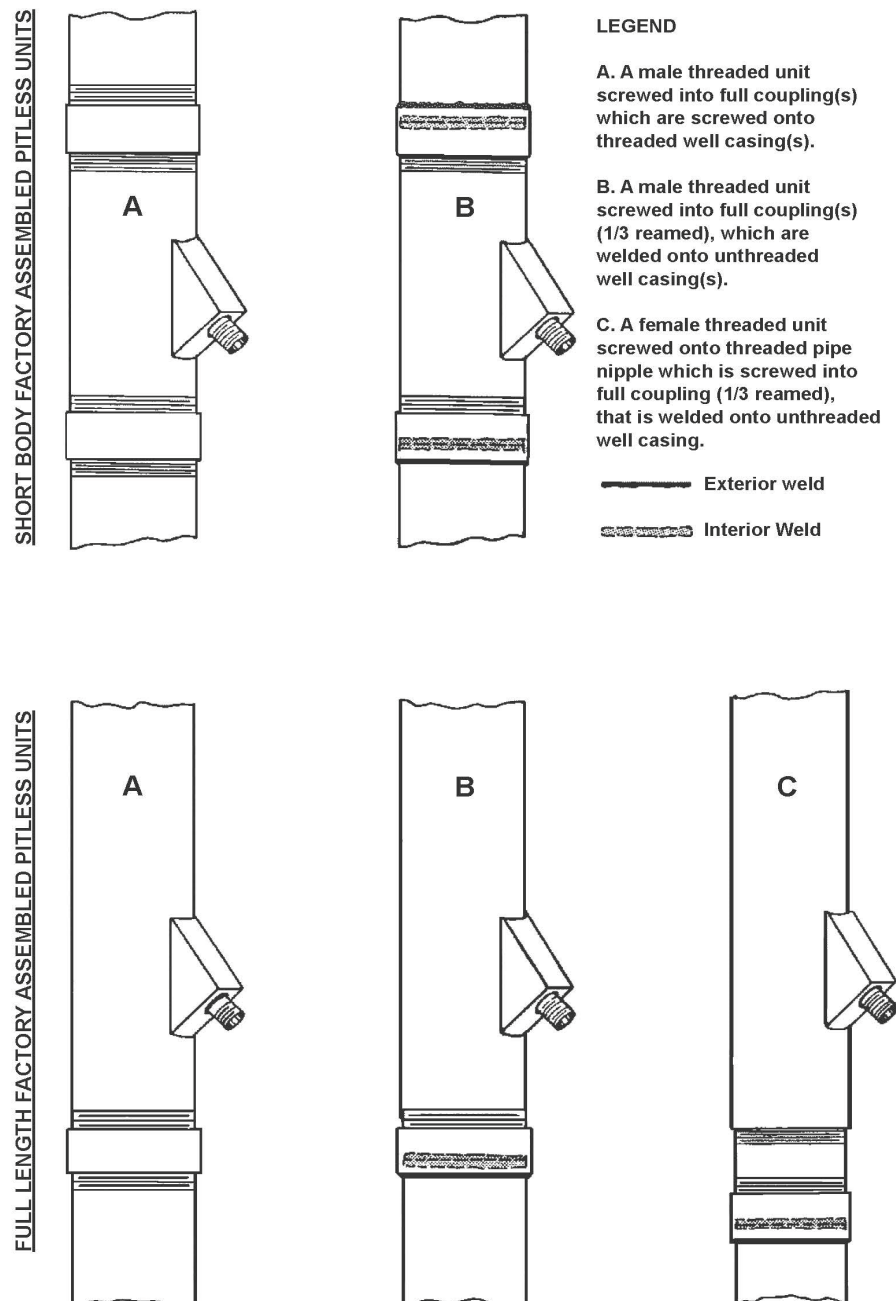


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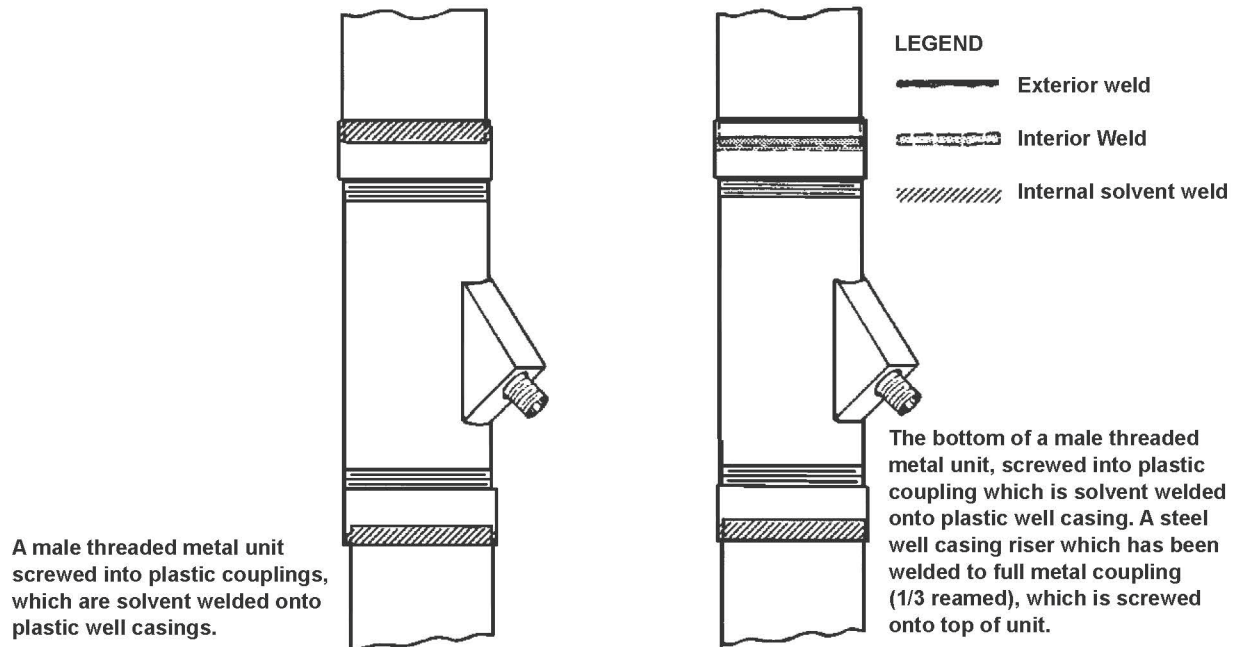
### APPENDIX

**Figure 1. Pitless unit connections for wells with steel well casing pipe.**

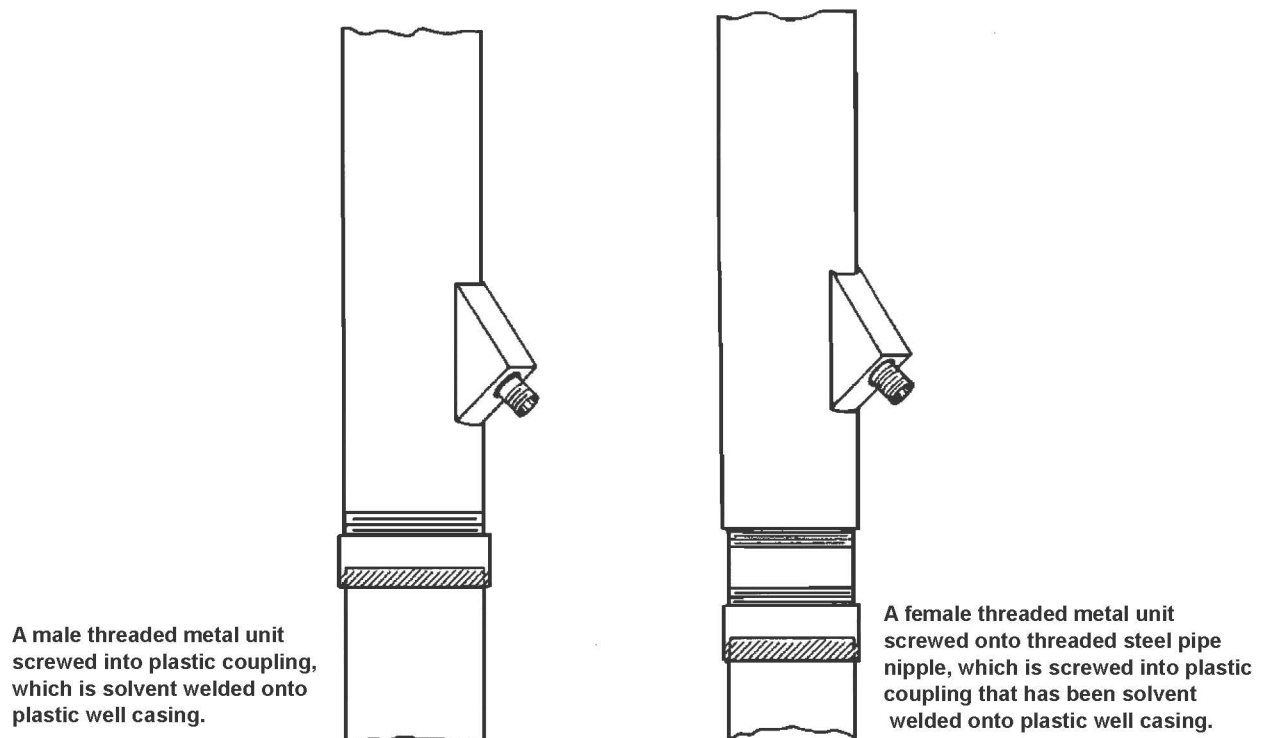


**Figure 2. Pitless unit connections for wells with thermoplastic well casing pipe.**

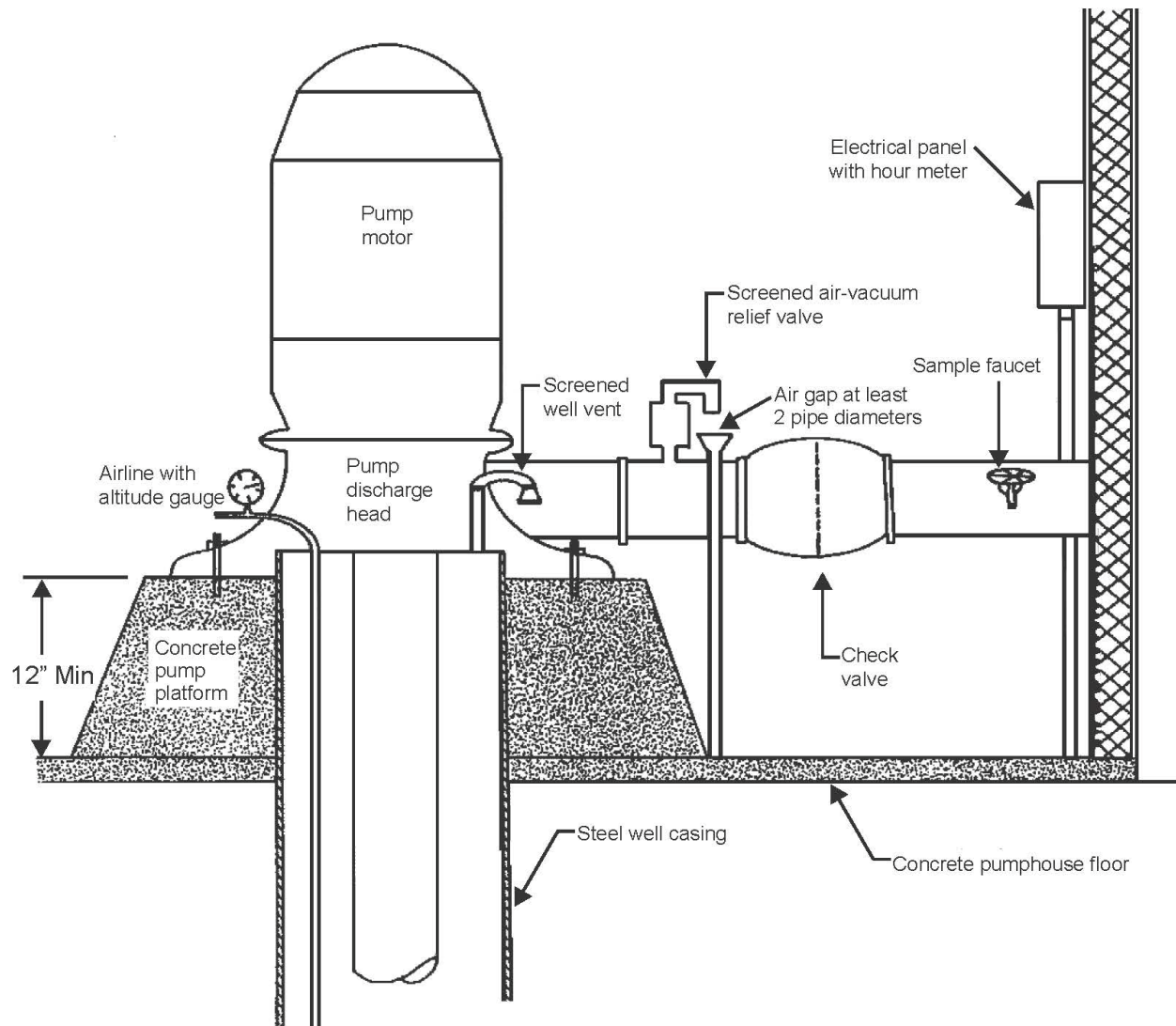
**SHORT BODY FACTORY ASSEMBLED PITLESS UNITS**



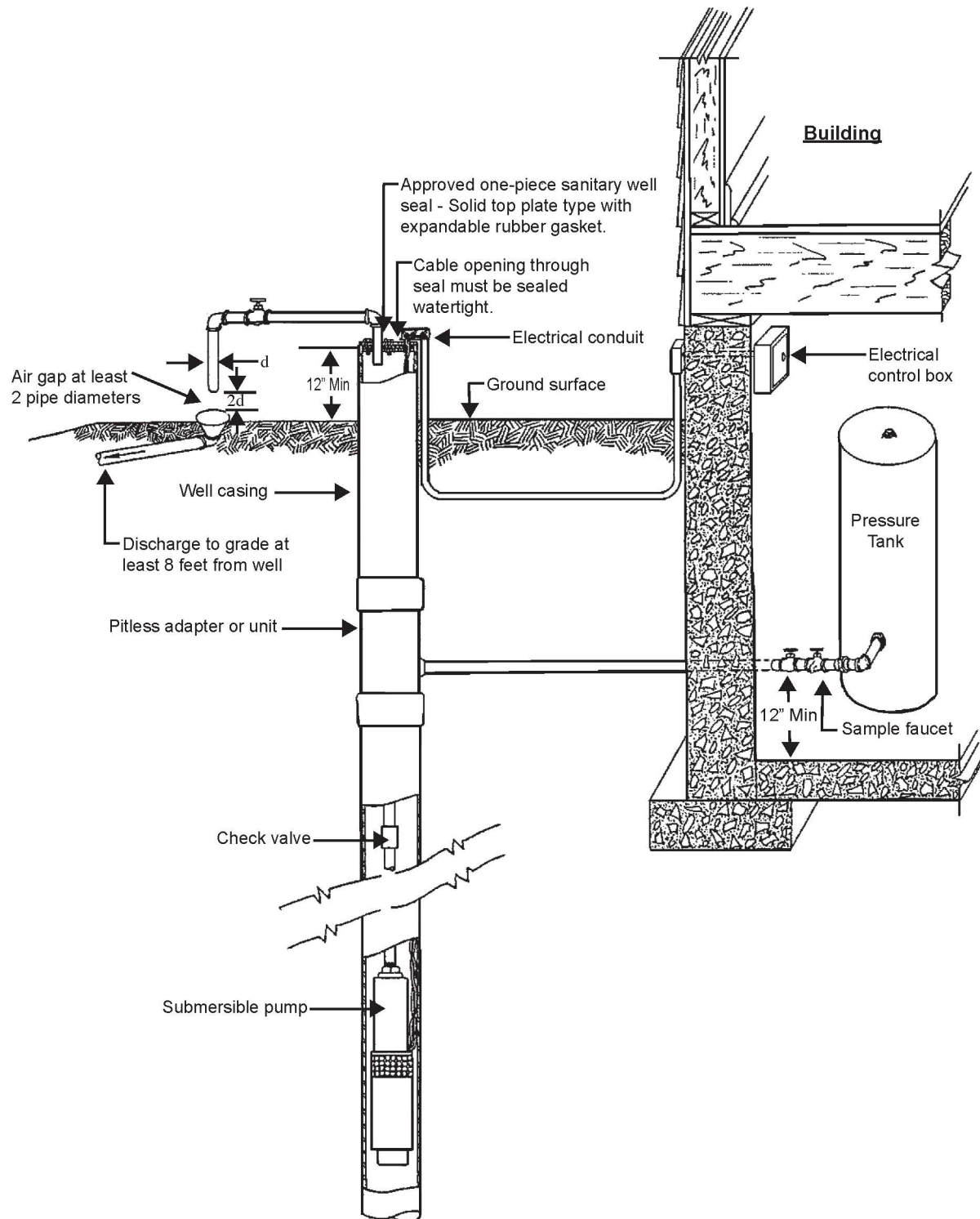
**FULL LENGTH FACTORY ASSEMBLED PITLESS UNITS**



**Figure 3. High capacity well pump installation depicting pumpage and water level measuring devices, well vents and air-relief vacuum breakers.**



**Figure 4. Flowing well - Overflow piping arrangement with a submersible pump.**



**NOTE:** No overflow provision - only practical if possible to stop flow without escape of water upward outside of casing.

The diagram illustrates a well system with the following components and labels:

- Building**: The structure on the left side of the diagram.
- Ground Surface**: The horizontal line indicating the ground level.
- Well casing**: The vertical pipe extending from the ground surface down into the well.
- Pipe cap**: The cap on the well casing at the ground surface.
- Approved one-piece sanitary well seal**: The seal connecting the well casing to the building's foundation.
- 12" Min**: Minimum clearance dimensions shown at the well head and near the building foundation.
- Spool type pitless adapter or unit**: The adapter connecting the well casing to the drop pipe.
- Plain drop pipe (no pump in well)**: The pipe leading from the well casing down to the pump.
- Surge Tank**: A tank connected to the drop pipe, featuring a **Check Valve** and a **Combination air - vacuum relief valve**.
- Pressure Tank**: A tank connected to the surge tank, featuring a **Sample faucet**.

**Figure 6. Flowing well - Overflow piping arrangement with a surge tank and no pump.**

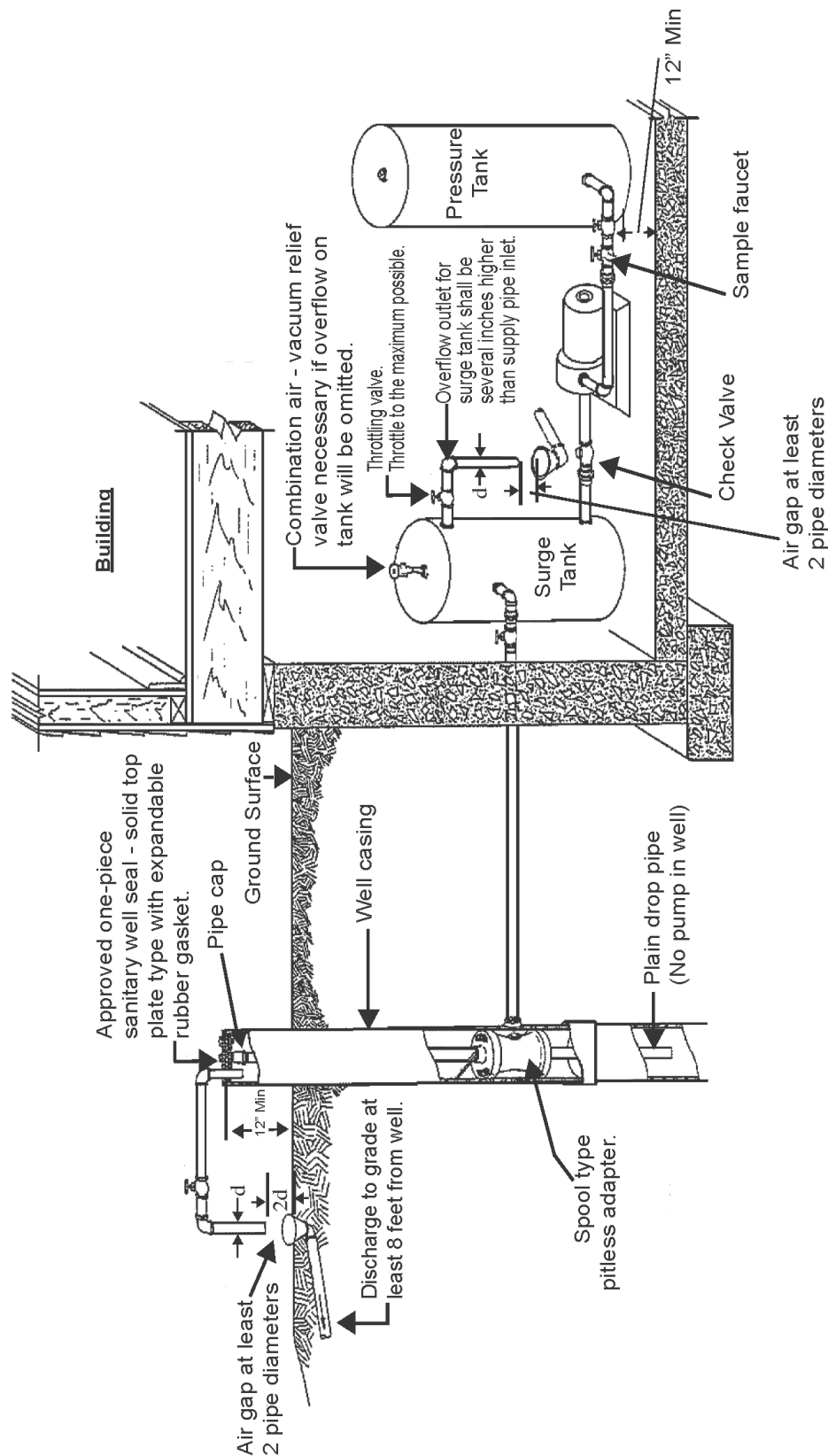




Figure 7. Reservoir specifications.

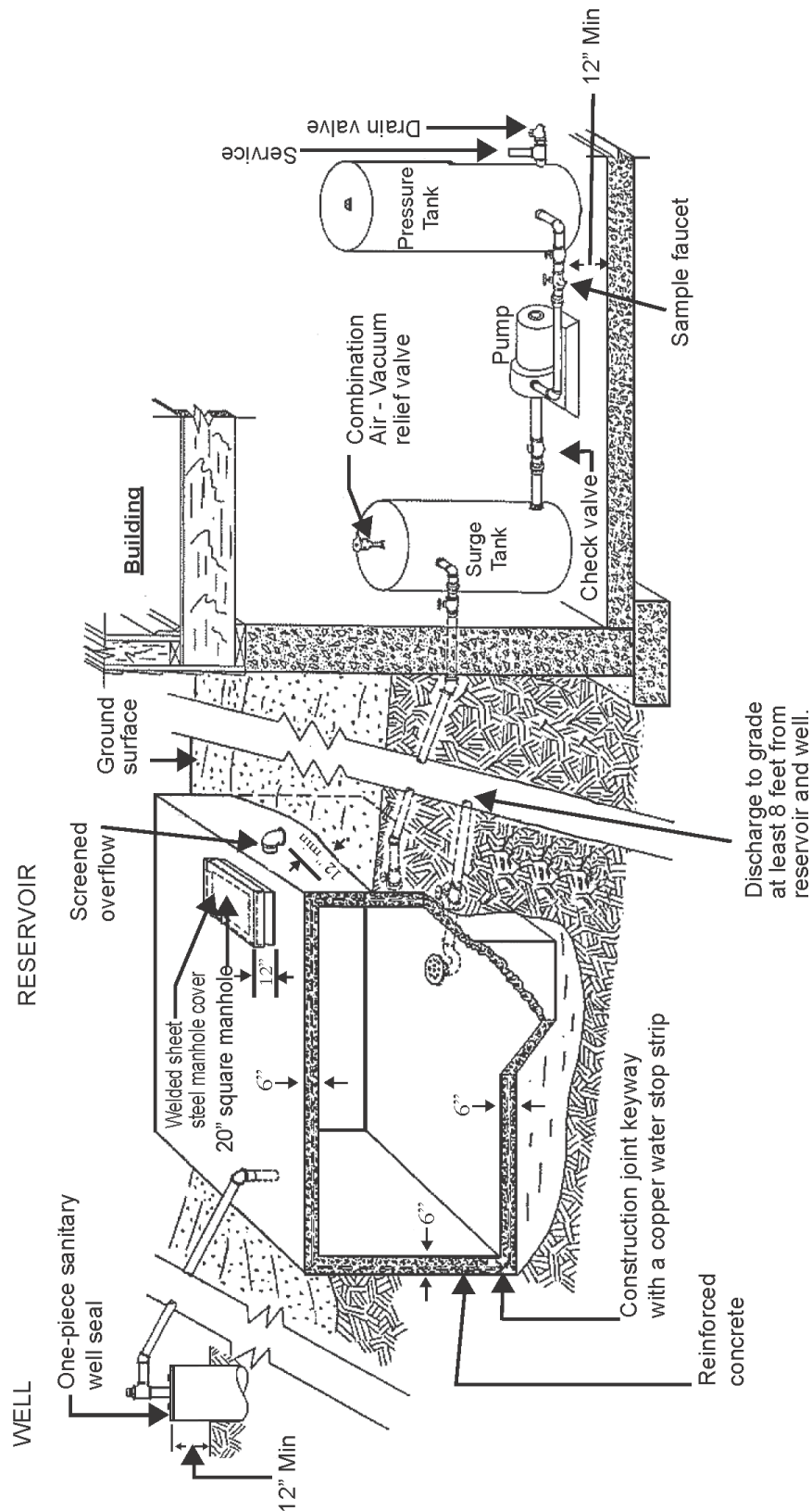


Figure 8. Well pits - Minimum requirements

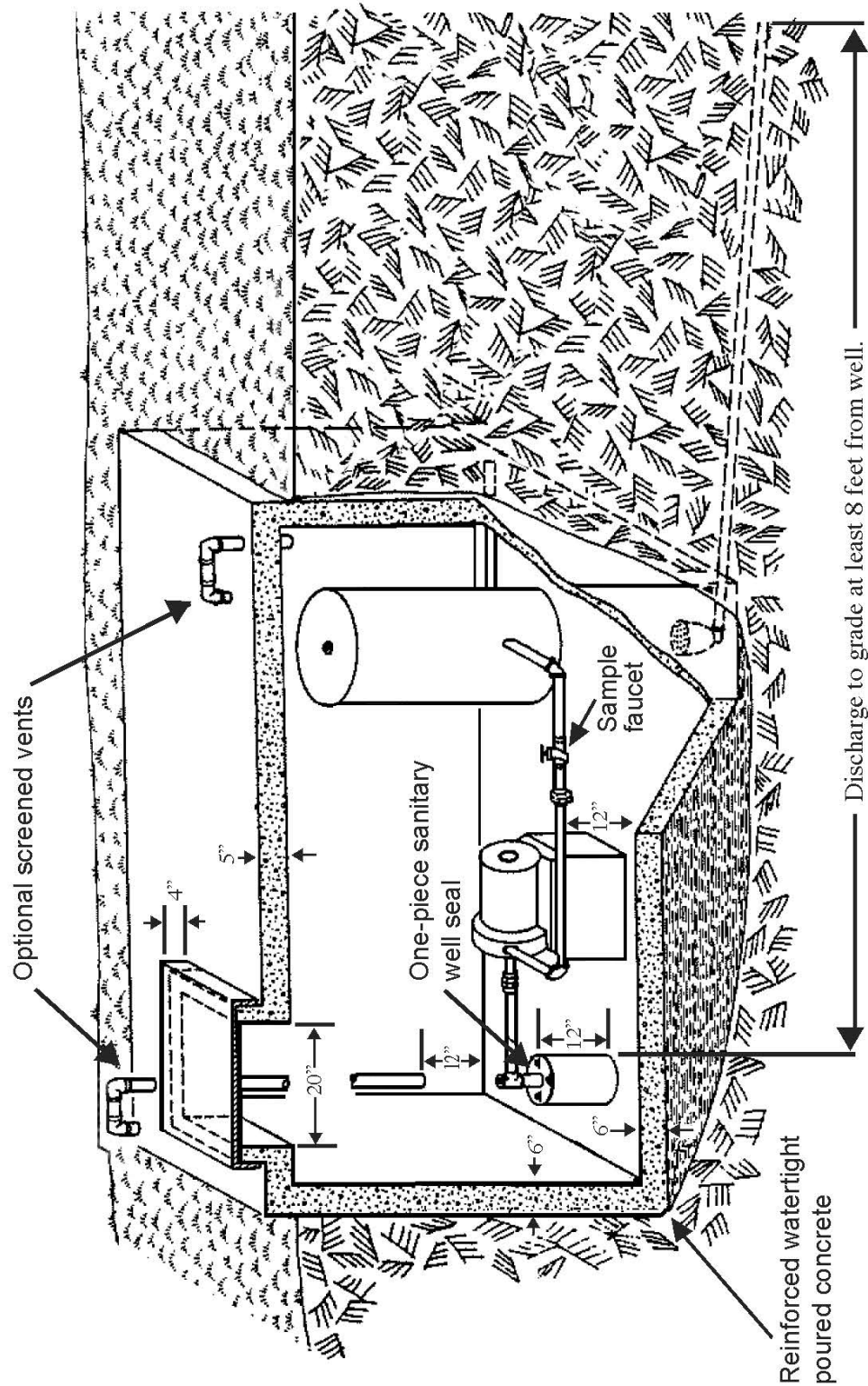
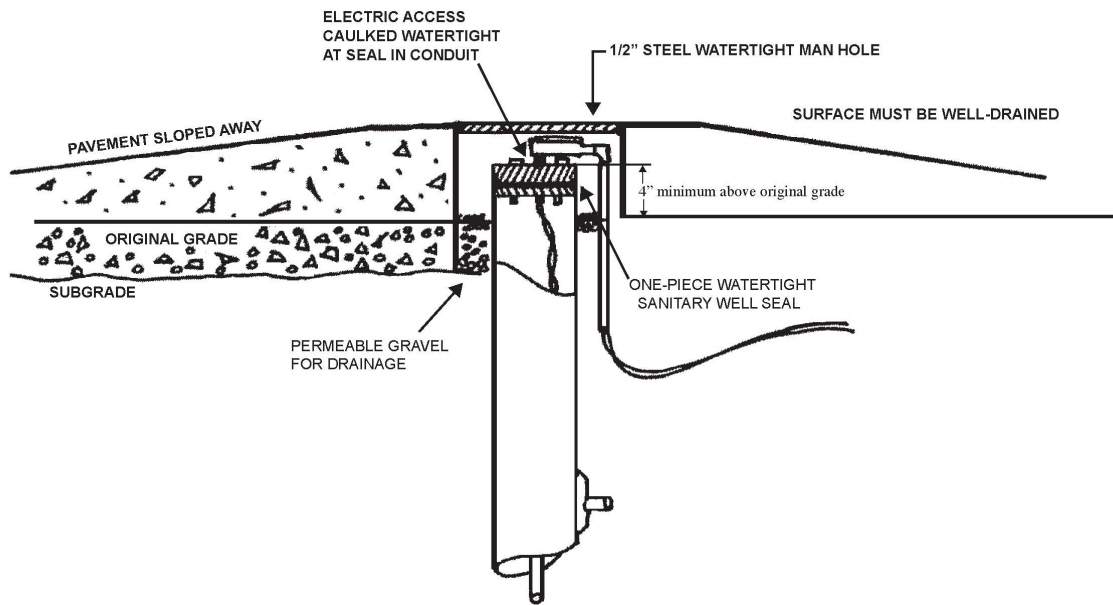




Figure 9. Driveway Ramp Installation



**Figure 10. Well pits - Minimum requirements for pits installed on or before April 10, 1953.**

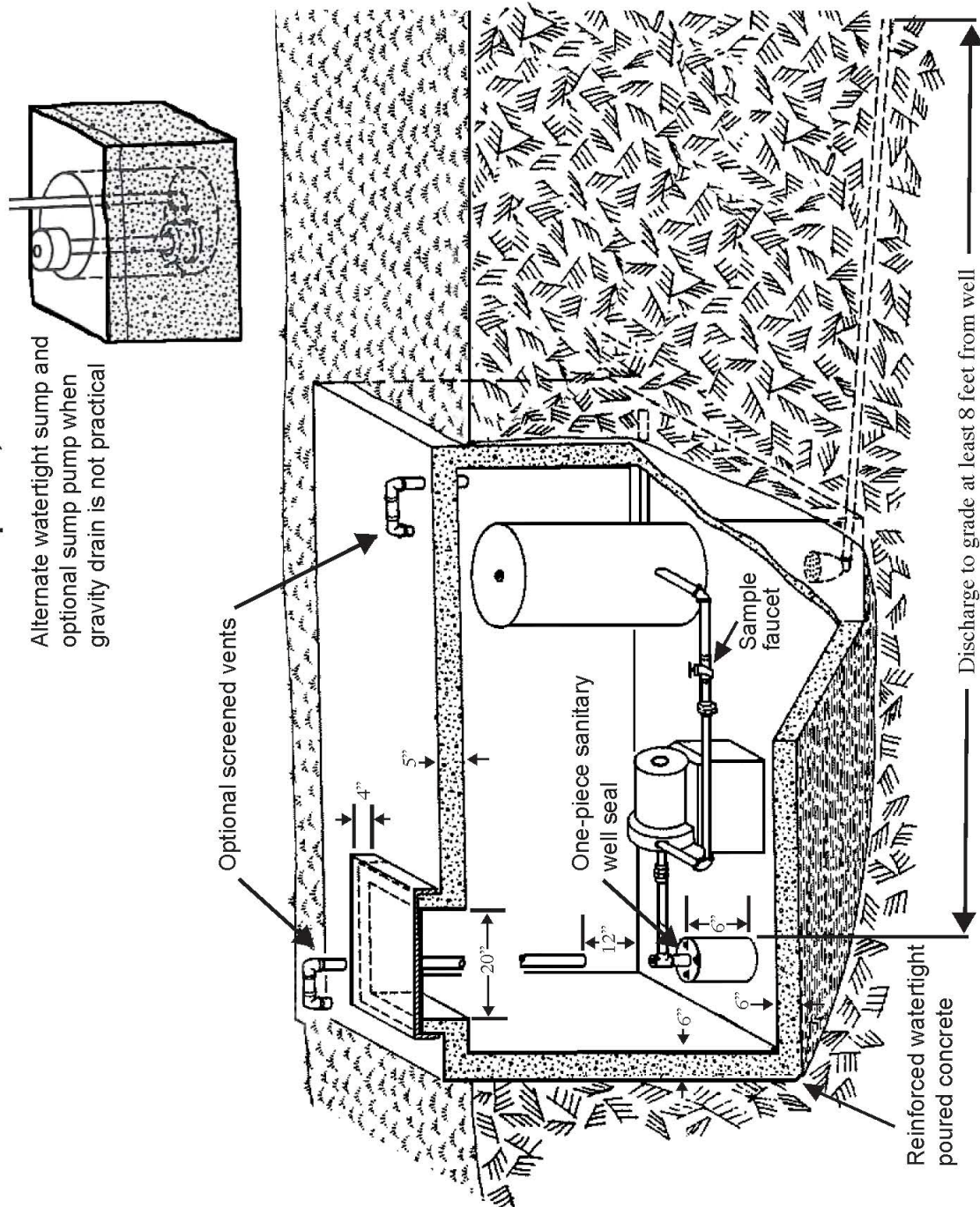
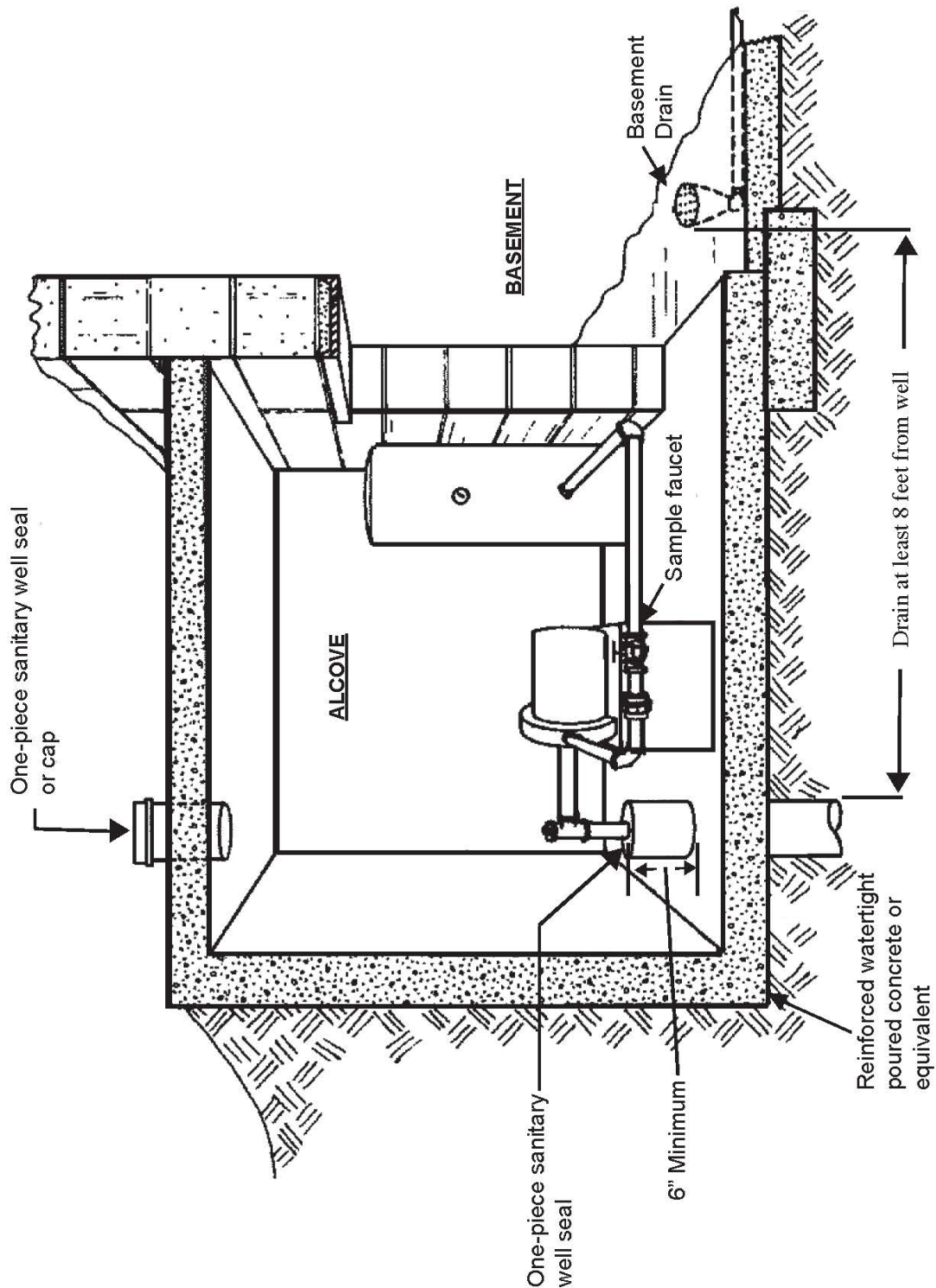
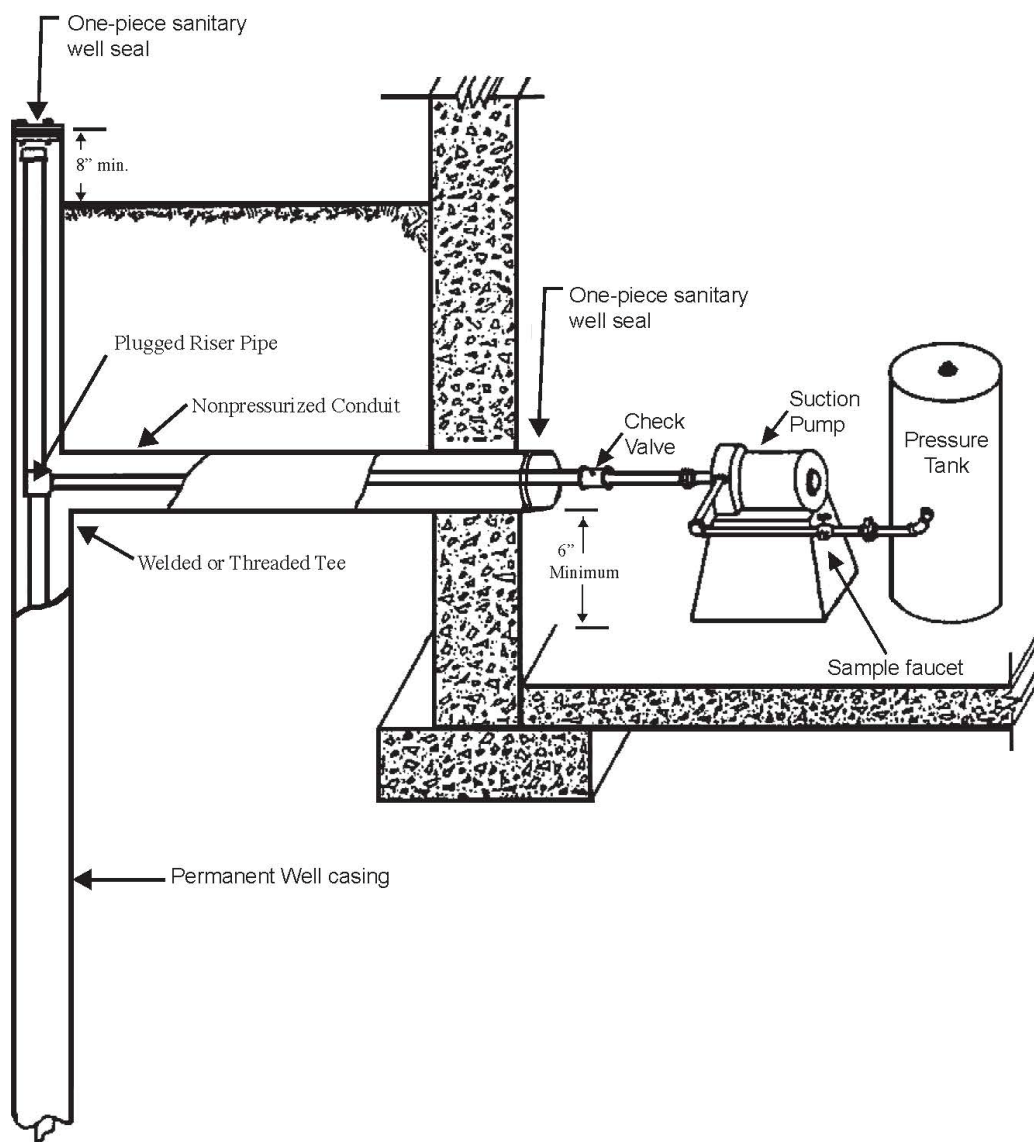


Figure 11. Alcove - Requirements for an alcove installed on or before April 10, 1953



**Figure 12. Minimum requirements for pump installations for wells with nonpressurized conduit installed prior to February 1, 1991**



**Figure 13. Pump installation for a deep well jet pump assembly and a nonpressurized conduit installed prior to February 1, 1991**

