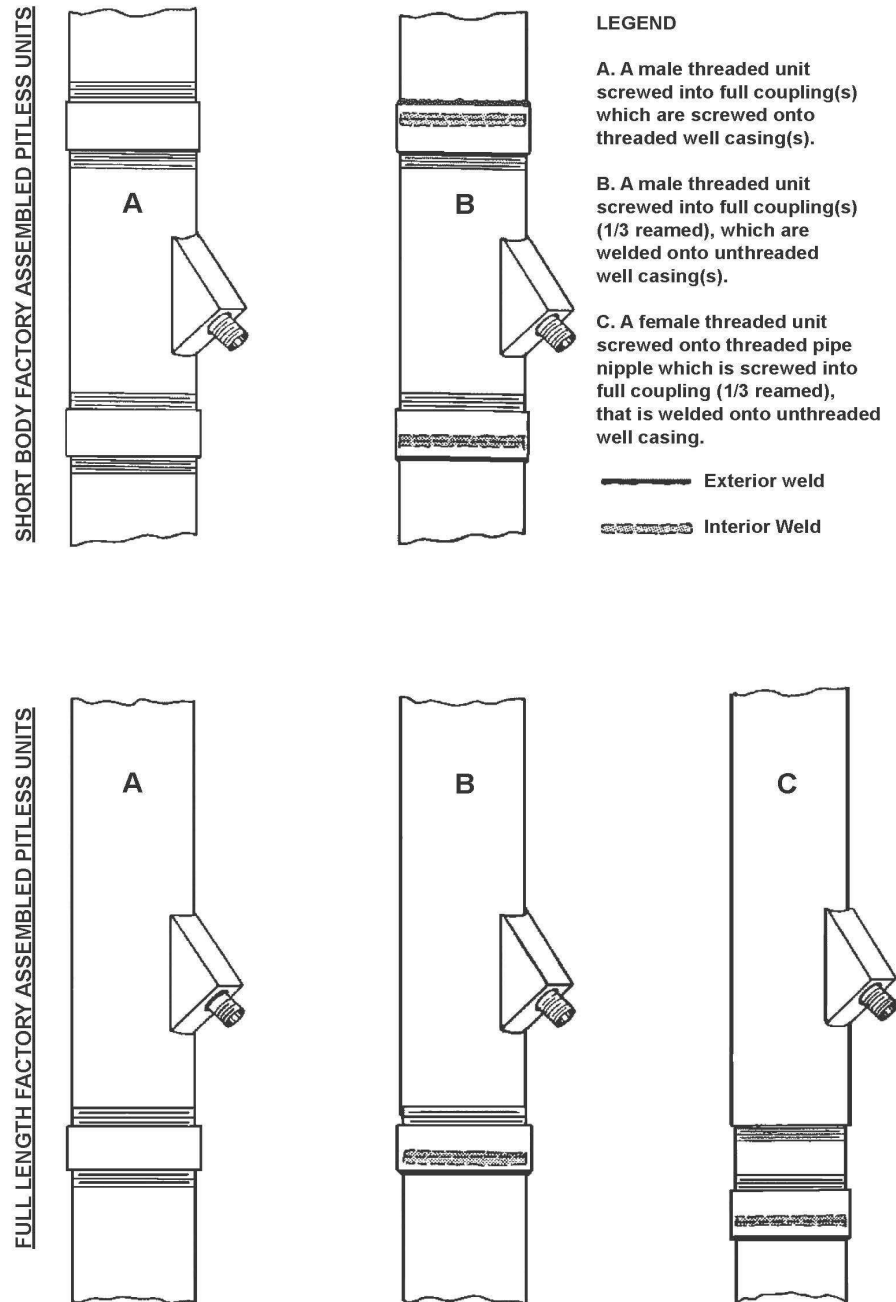


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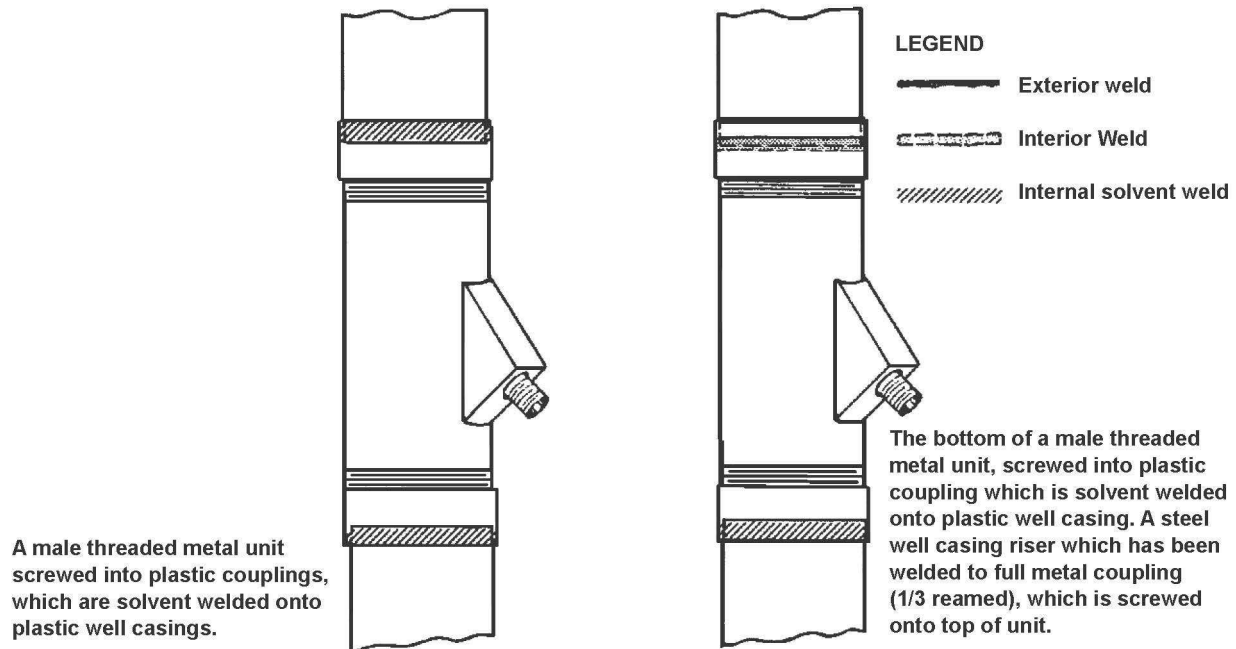
## APPENDIX

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

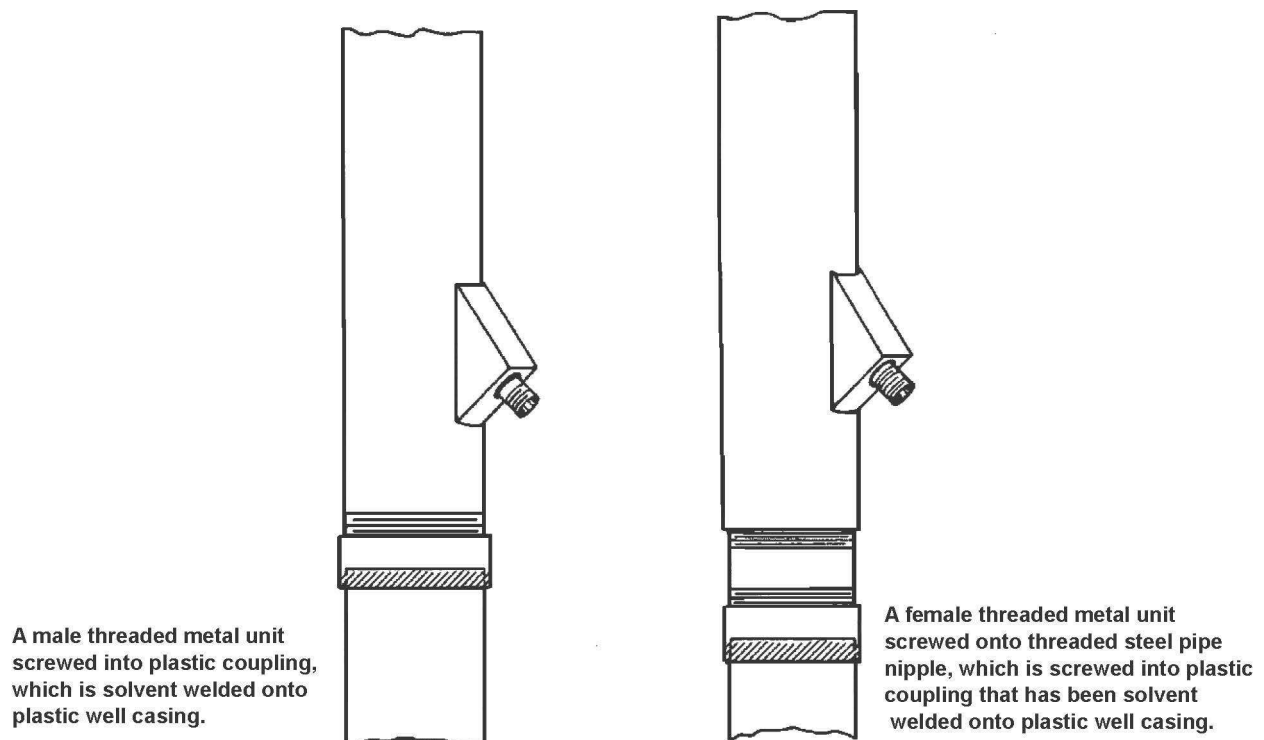


**Figure 2. Pitless unit connections for wells with thermoplastic well casing pipe.**

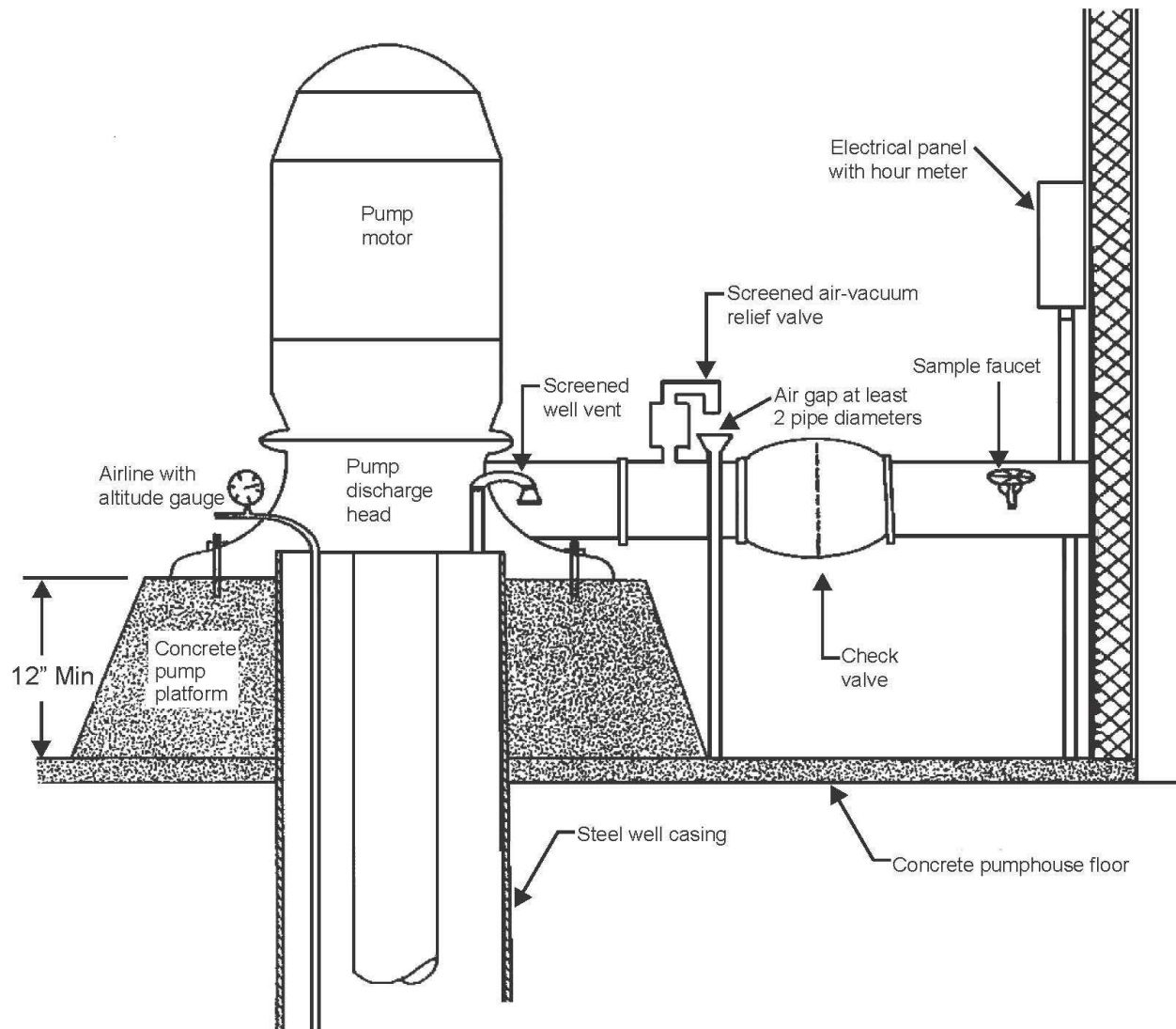
**SHORT BODY FACTORY ASSEMBLED PITLESS UNITS**



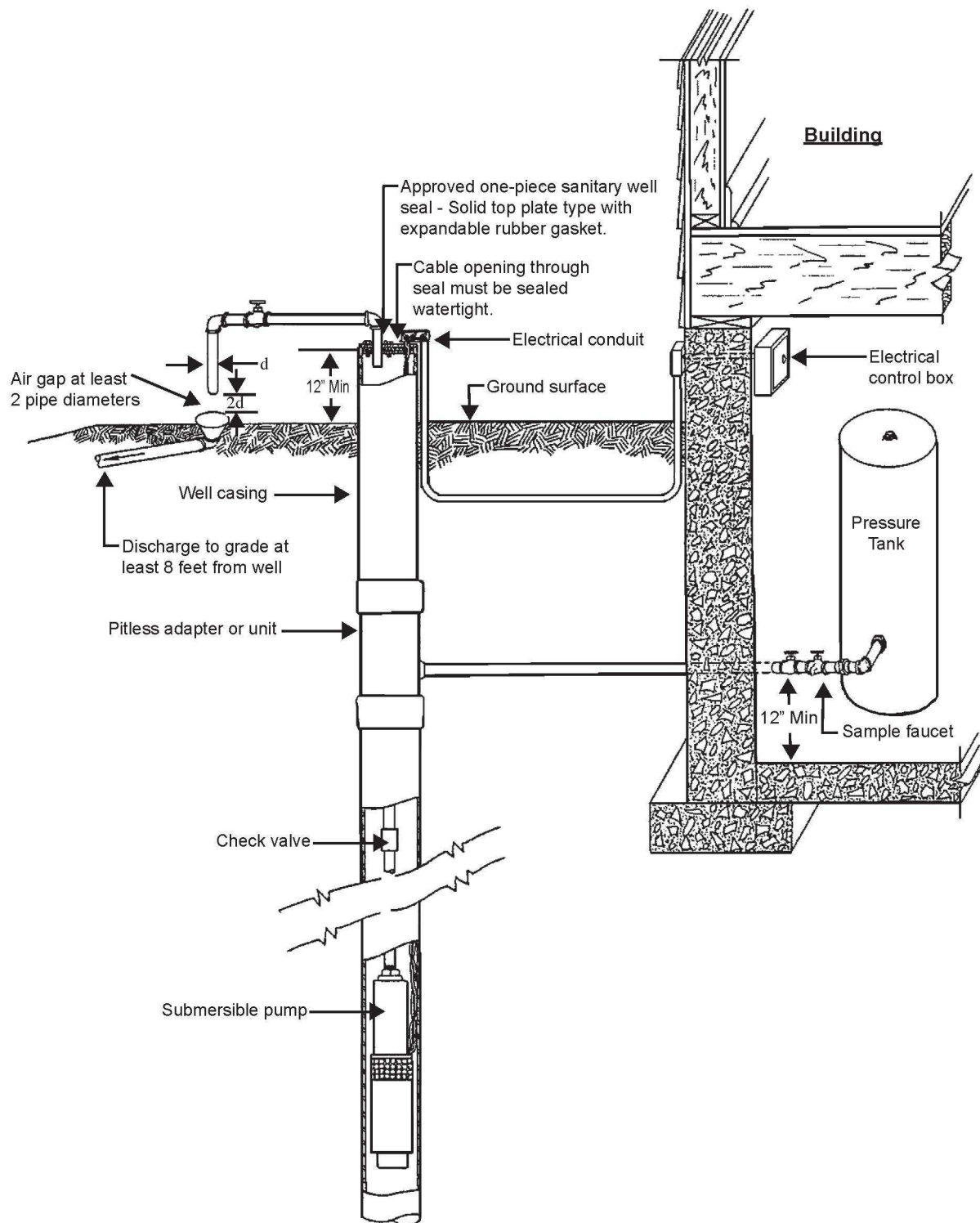
**FULL LENGTH FACTORY ASSEMBLED PITLESS UNITS**



**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.**



The diagram illustrates the connection between a building's interior plumbing and an underground well casing. On the left, a cross-section of a building shows the interior floor and foundation. A vertical pipe enters the building from the ground. At the entry point, there is an 'Approved one-piece sanitary well seal' and a 'Pipe cap'. Below the ground surface, the pipe is labeled 'Well casing'. The pipe continues down into the ground, passing through a 'Spool type pitless adapter or unit'. Below this adapter, the pipe is labeled 'Plain drop pipe (no pump in well)'. The pipe then enters the building through a 'Sample faucet' and connects to a 'Surge Tank'. Above the surge tank is a 'Pressure Tank'. A 'Check Valve' is located between the surge tank and the pressure tank. A 'Combination air - vacuum relief valve' is connected to the surge tank. The diagram also shows a '12" Min' dimension for the well casing and another '12" Min' dimension for the pipe cap.



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

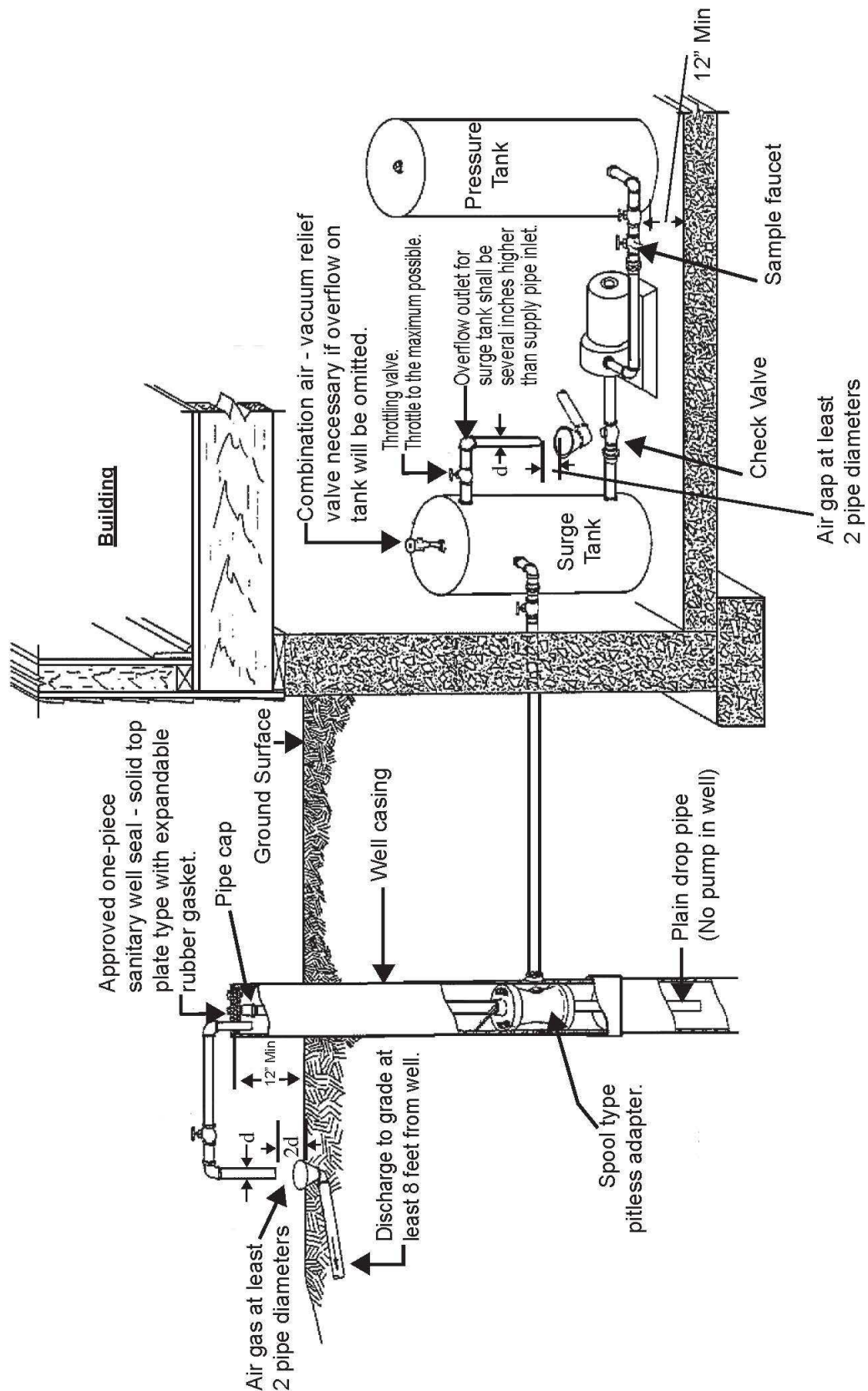


Figure 7. Reservoir specifications.

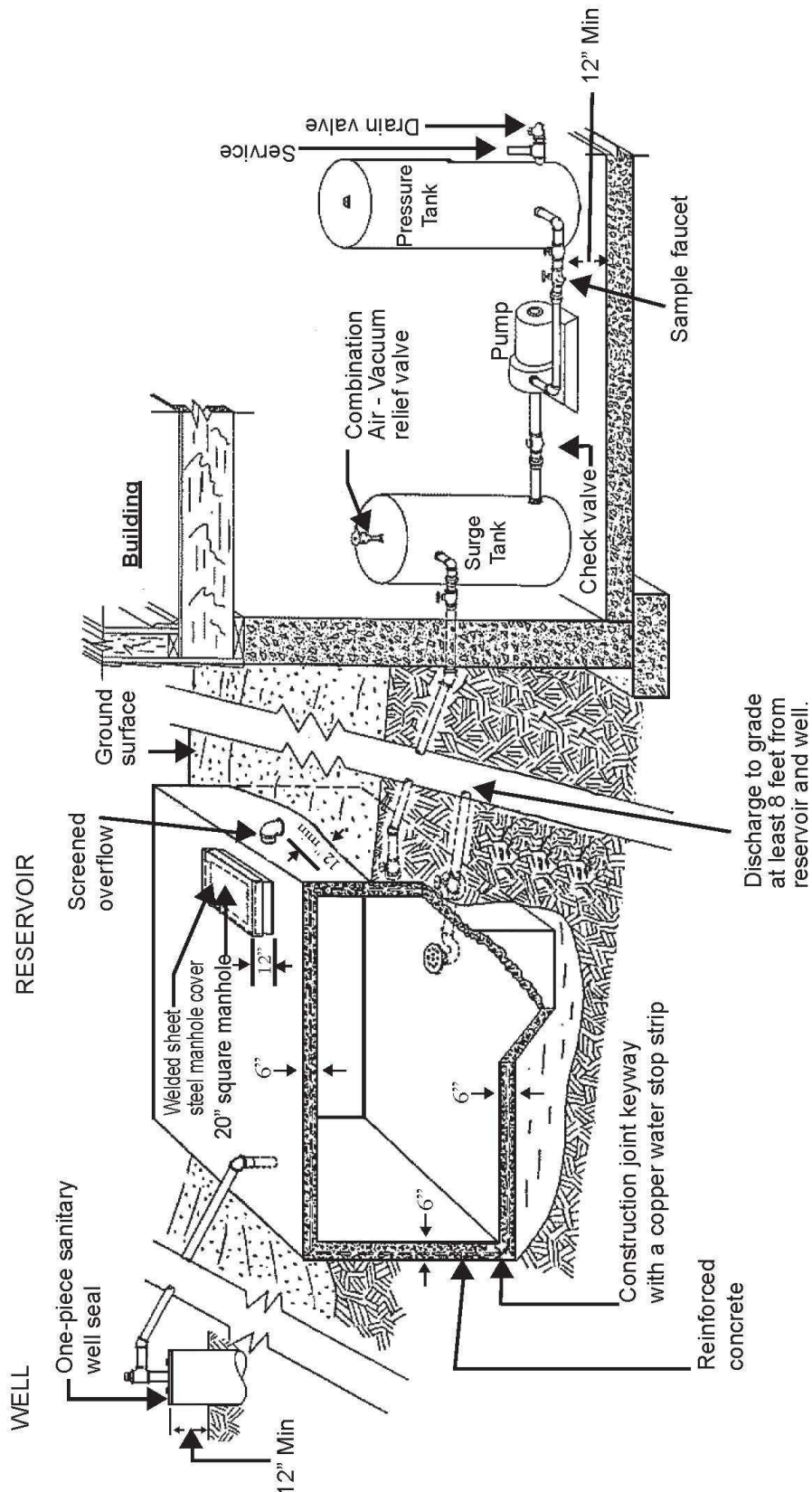


Figure 8. Well pits - Minimum requirements

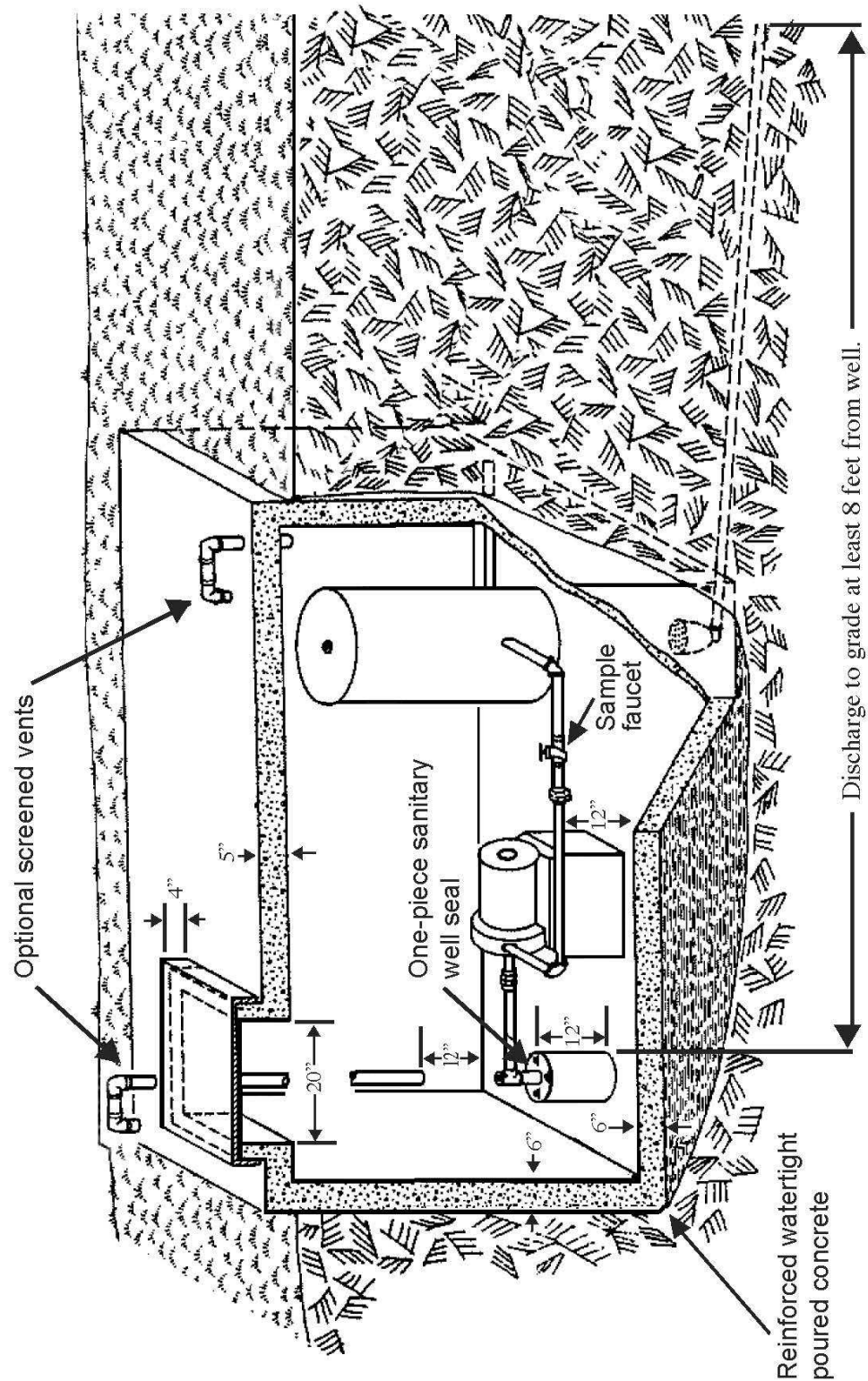
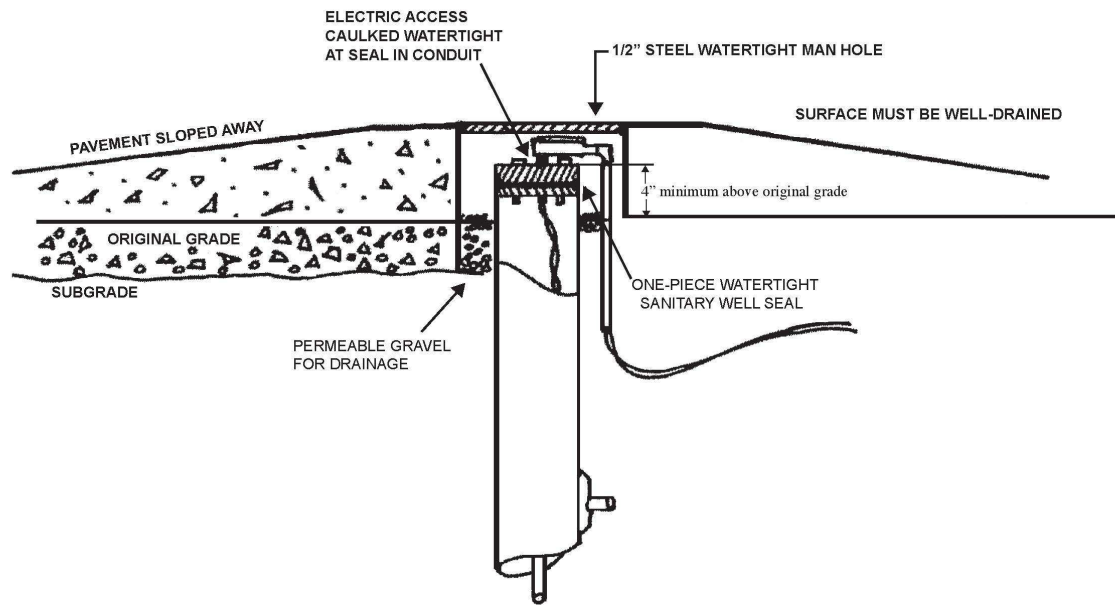




Figure 9. Driveway Ramp Installation



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

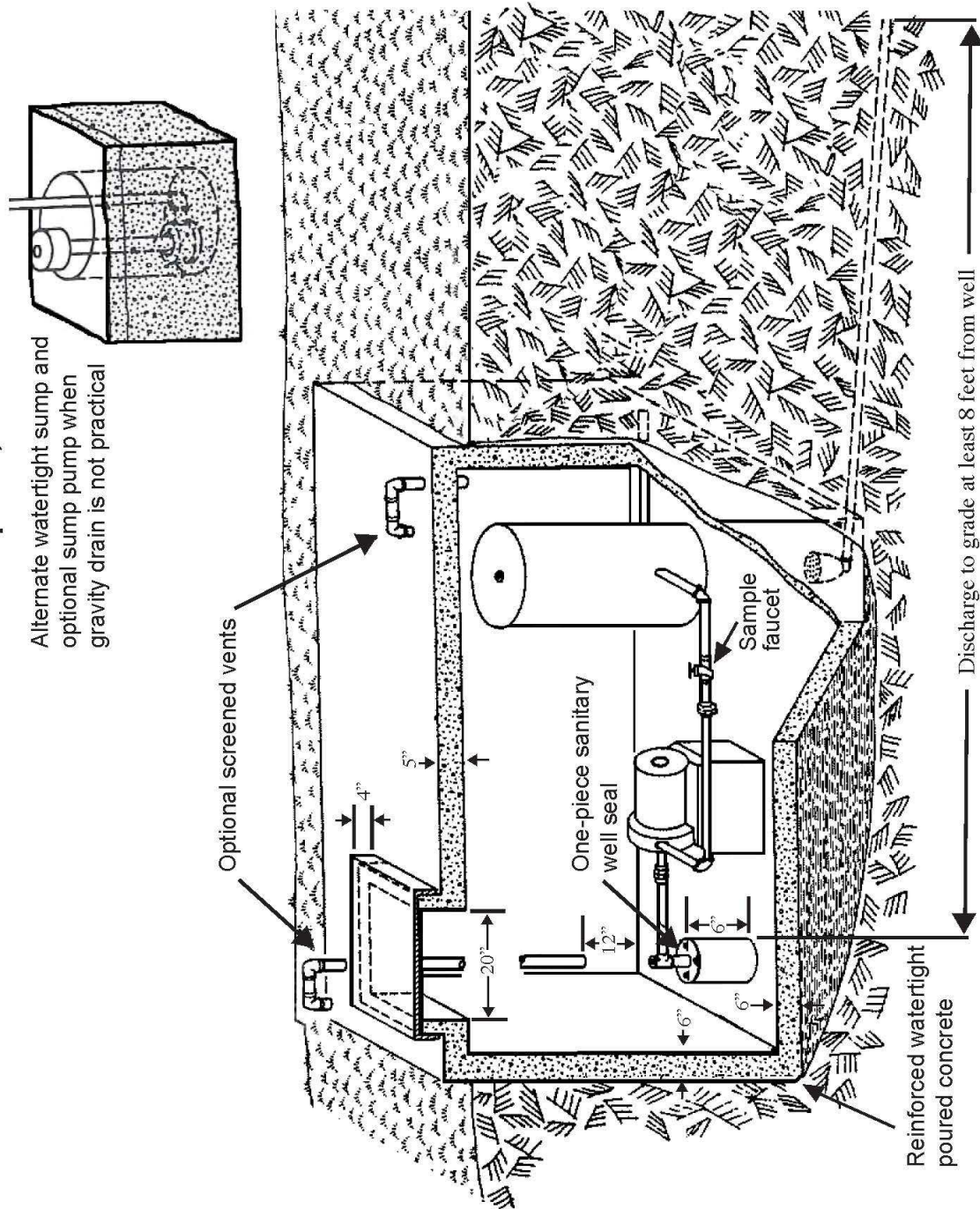
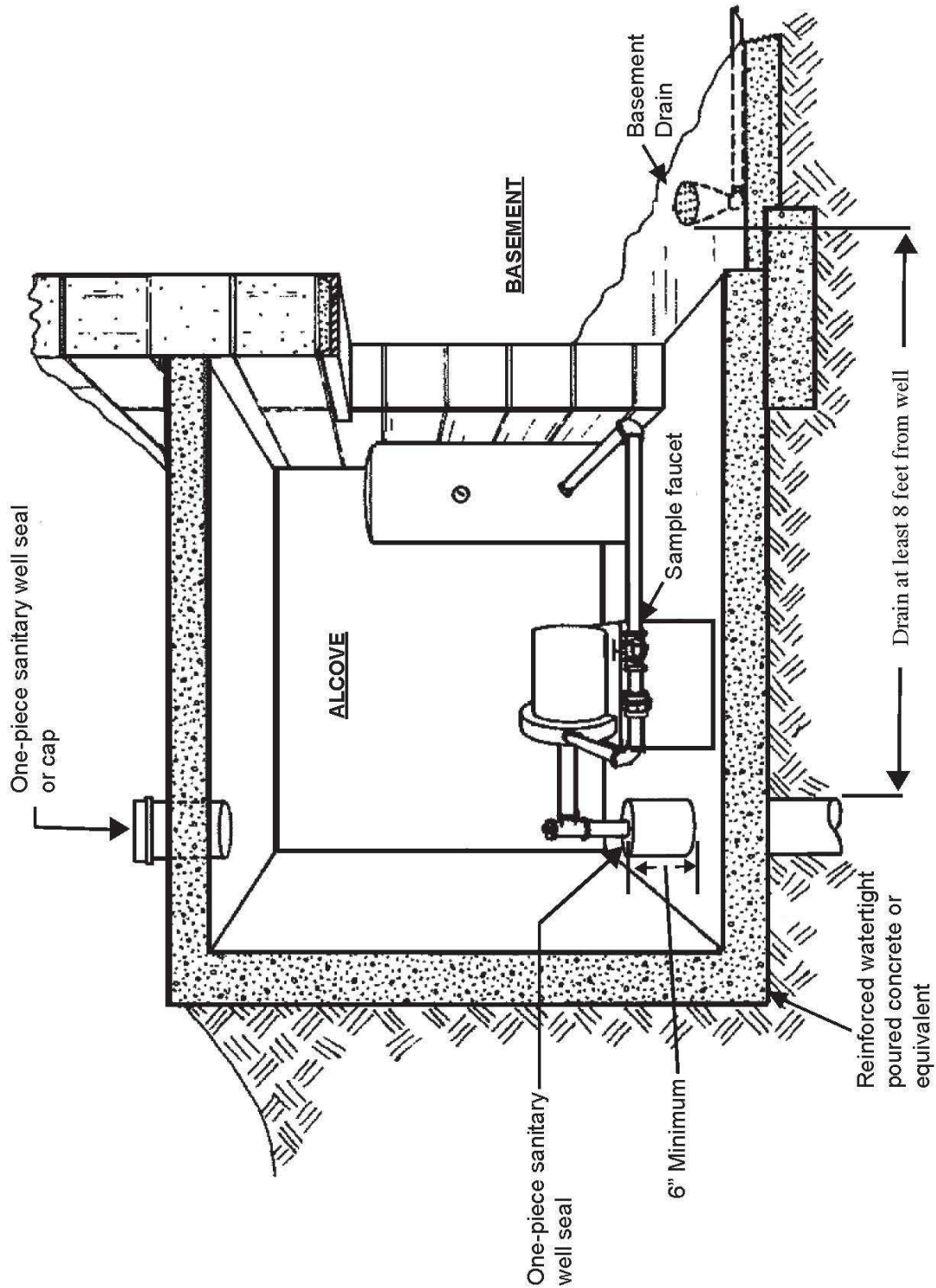
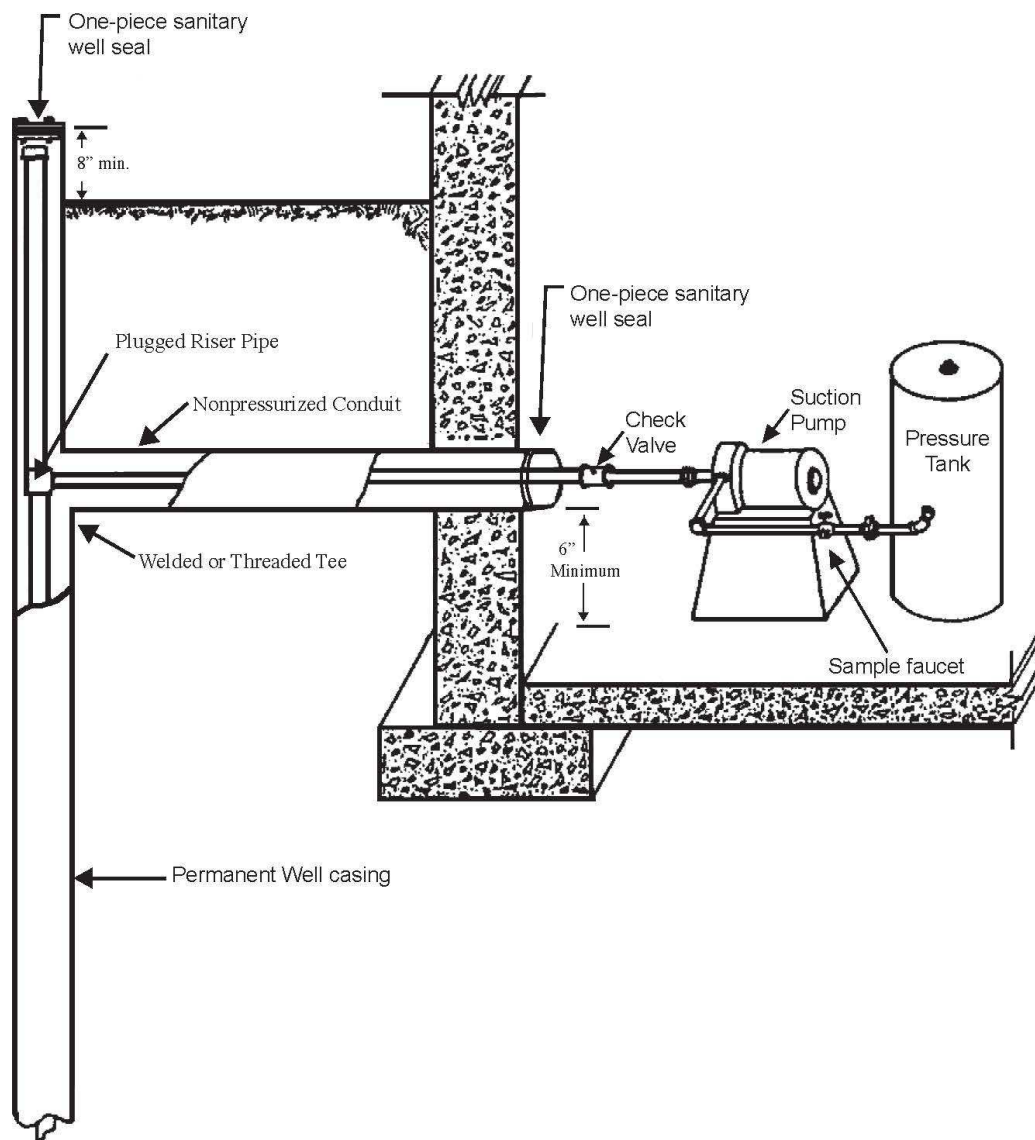


Figure 11. Alcove - Requirements for an alcove installed on or before April 10, 1953



**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**

