

the casing throughout the anticipated zone of saturation. An idealized permanent monitoring well for observing ground water of less than 18 feet deep is shown in Figure 2-5. If a permanent well will be used for water quality monitoring, it should be

1. Purged or otherwise developed to eliminate installation contamination and silt buildup.
2. Provided with a ground water seal at the annular space between the casing and natural ground to prevent surface water from entering the ground water along the casing's exterior.

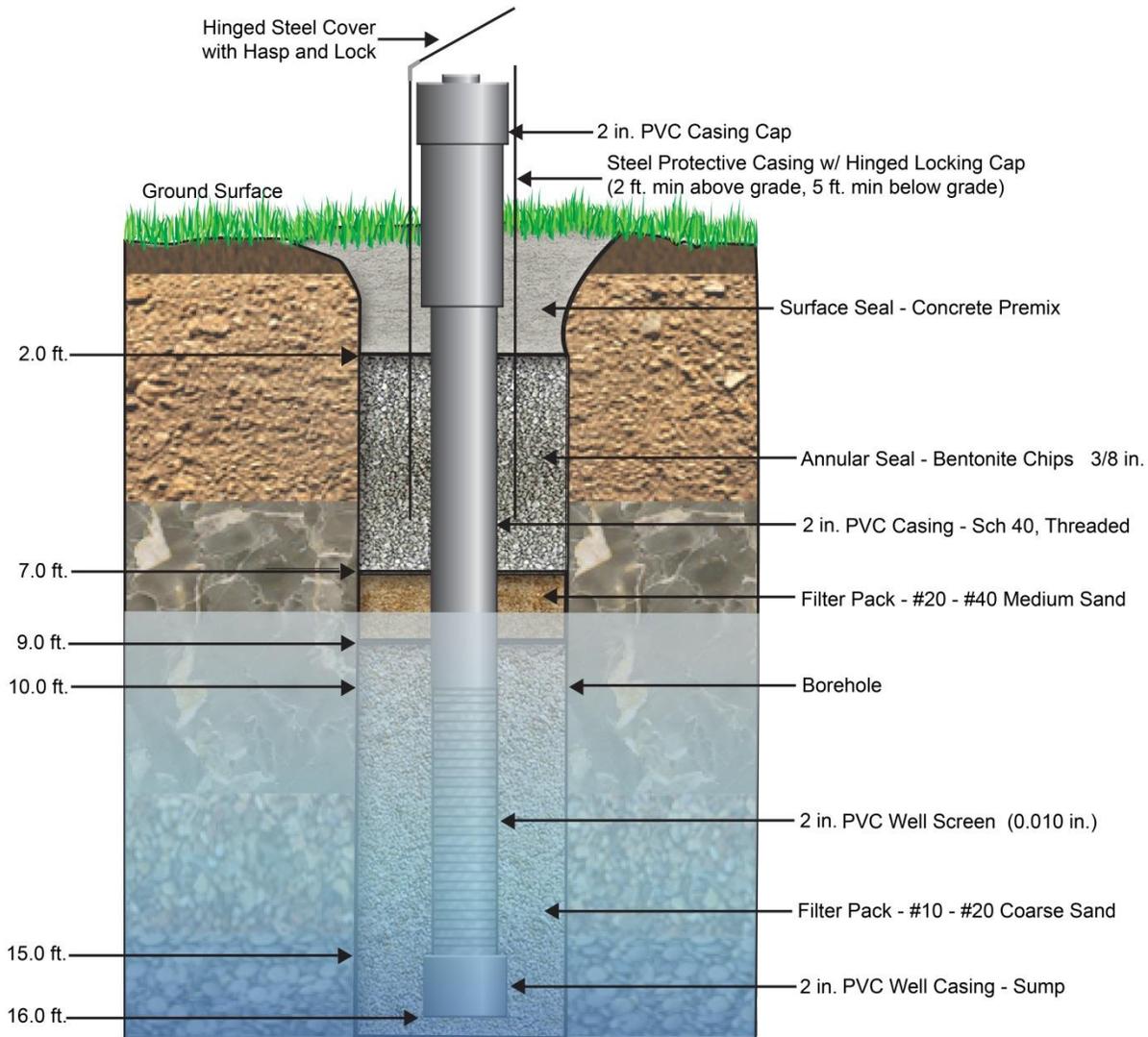


Figure 2-5. Permanent shallow ground water monitoring well design.

2.5.2.2 Temporary Monitoring Wells

Temporary monitoring wells are typically installed at the same time that test pits are excavated and evaluated. Monitoring wells are either placed in the excavated test pit or are placed in a separate hole near the test pit created by an auger. Temporary monitoring wells placed by an auger should be no farther than 10 feet from the evaluated test pit. More than one temporary