

Sanitary Well Seal

NONCOMMUNITY PUBLIC WATER SUPPLY PROGRAM

Well Vent

Wells must be vented. The vent shall be down-turned, screened and terminate a minimum of 12 inches above the established ground surface.

Water Service Line

A weatherproof connection is needed where the water service line enters the top of the well seal.

Conduit

The power supply line shall be contained within conduit per the MN Electrical Code.

Sanitary Well Seal

The well must be equipped with a sanitary well seal, complete with a compression gasket and rustproof draw bolts.

NOTE: A one-piece top plate (shown in red in photo) must be used on a well that may be used on a well that terminates in an approved well house.



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Making a Screened Vent on a Sanitary Well Seal

The MN Well Code requires that well repairs be performed by a licensed well contractor.

However, it is permissible for a well owner to repair discharge piping. MDH recommends that factory-built products be used when available.

Properly constructed Well Seal

This well is equipped with:

- a one-piece sanitary well seal,
- a down-turned screened vent,
- a conduit containing the power supply line.



These parts are available at most hardware stores

1. Regular 90° Elbow
2. Street 90° Elbow
3. Nipple
4. Internal Ring Clamps (2)
5. Aerator Screen
6. Pipe Tape or Pipe Compound

SANITARY WELL SEAL



If extra height is not needed, two street elbows (#2) may be used and numbers 1 and 3 above are not needed. Screw an internal ring clamp into the street 90° elbow stopping before the end of the threads. Carefully press the screen into place and secure using second internal ring clamp. Next, remove plug from well cap and assemble the nipple and two elbows on the well seal as shown. Use pipe tape, or compound on the threads.

Screened Vent

The underside of a screened vent with the screen installed. The electrical wiring serving the submersible pump should be contained in conduit with a watertight connection at the well cap.



For more information regarding wells

Wells and Boring: Well Management Program

(<https://www.health.state.mn.us/communities/environment/water/wells/index.html>)

Office of the Revisor of Statutes: Minnesota Rules 4725.3150

(<https://www.revisor.mn.gov/rules?id=4725.3150#rule.4725.3150.3>)

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