General Surface Seal Repair Description:

A 2" thick bentonite seal, extending from grade to at least 18' below grade, is installed around the well casing during well construction. The 2" thick seal is damaged during installation of pitless adaptor style pumps. Washington State Department of Ecology regulations require seal repair by a property owner or otherwise qualified individual; evidence of seal repair is *required* prior to WAVE release.

The repair itself if fairly simple. The basic steps are as follows:

1) carefully remove soil from around the well casing and water line connection to expose the original bentonite seal material (gray, sticky, clay-like). Be sure enough soil is removed to allow the new bentonite material to contact the existing bentonite material.

*tip: begin removing soil about 6" away from the well casing to avoid further damage to existing seal material

2) build a form around the well casing that allows at least a 2" space from the well casing to the form, and extends to grade.

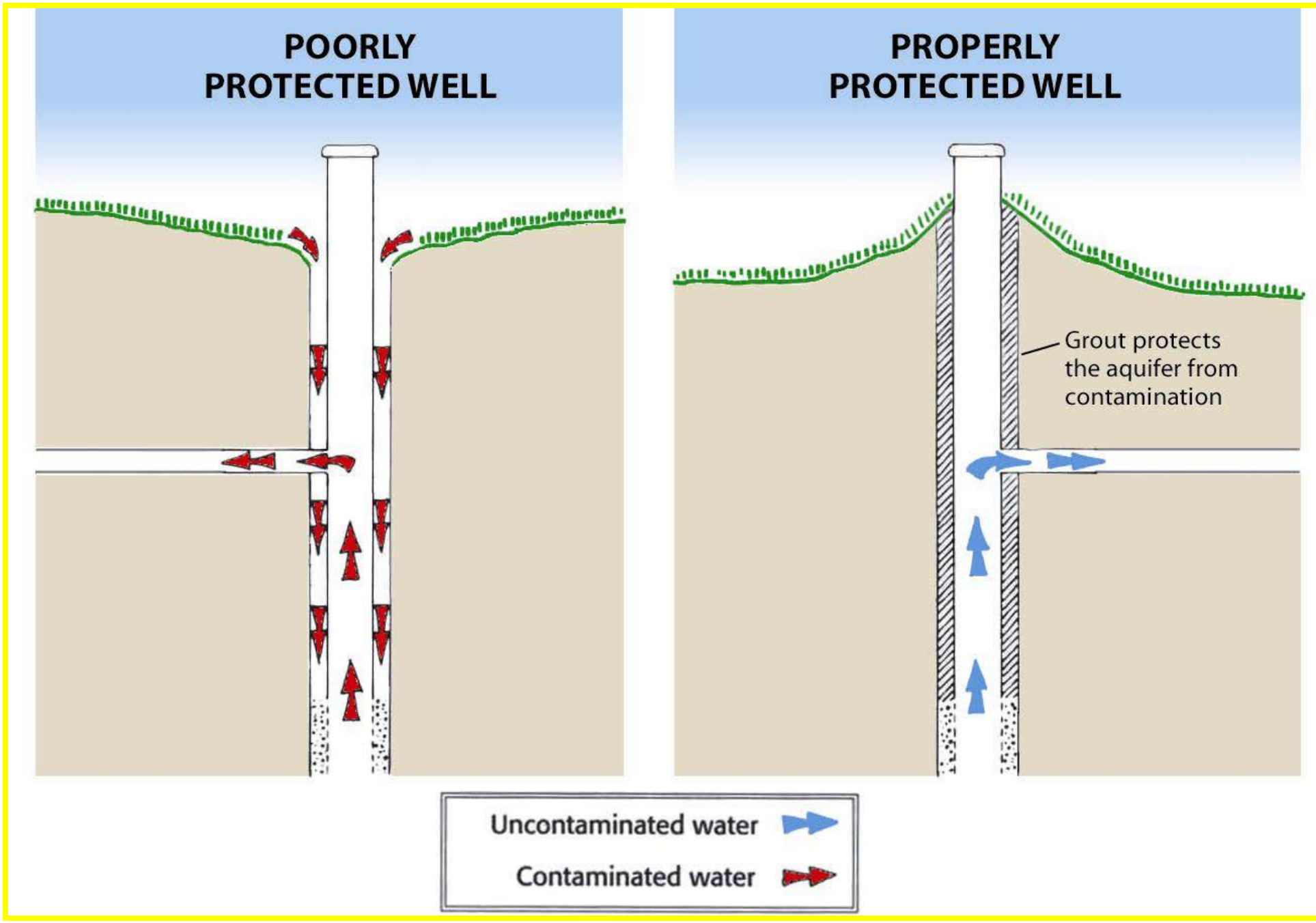
3) place NSF approved bentonite chips between the well casing and constructed form.

4) Back fill with soil.

Submit photos of the repair work to drinkingwaterprogram@clark.wa.gov. Include property identifying information such as a tax parcel number or property address.

- Surface seal repairs may be complete by a property owner or Washington state licensed well driller.
- NSF approved bentonite chips can purchased from the following:

HD Fowler 11316 NE Hwy 99 Vancouver, WA 98686 360-574-9324	Hansen Well Drilling 6711 NE 58th Ave. Vancouver, WA 98661 360-694-6242	Pitner Drilling & Pump 1100 NW Hayes Rd. Woodland, WA 98674 360 225-6955	Don Pitner Jr. Well Drilling Battle Ground, WA 360-686-3776


POORLY
PROTECTED WELL
PROPERLY
PROTECTED WELL
Grout protects
the aquifer from
contamination
Uncontaminated water
Contaminated water

HOLEPLUG
CAUTION
See back panel for caution before use
3/4
COARSE GRADE
WYOMING SODIUM BENTONITE
SIZED & GRADED
NATURAL SODIUM BENTONITE
DESIGNED FOR:
NET WEIGHT
50 POUNDS/22.68 KILOS
NSF
HALLIBURTON
Baroid Industrial Drilling Products
P.O. Box 1675 Houston, TX 77251
www.baroiddr
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