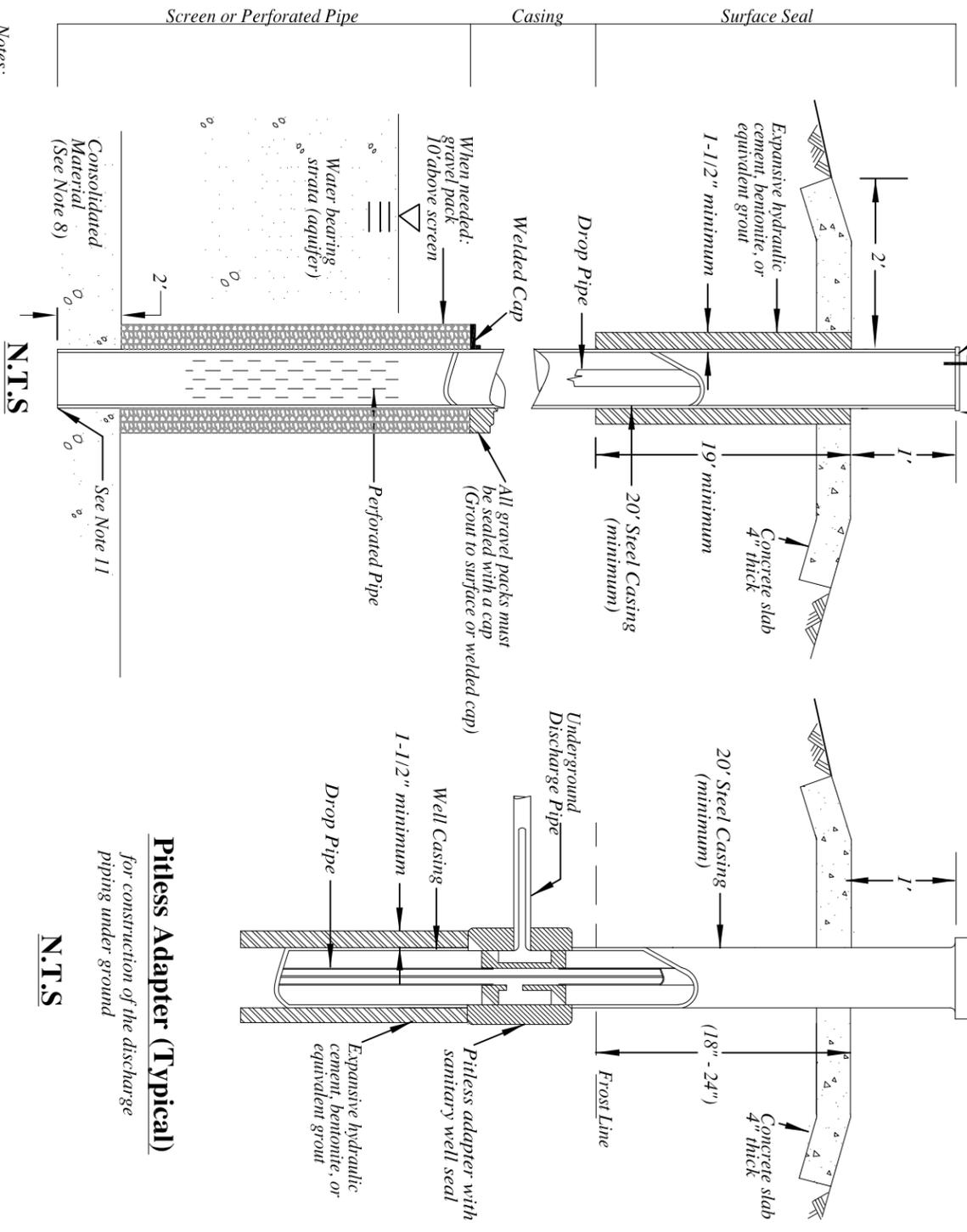


Vents installed in the well casing shall open downward and be screened to prevent the entrance of foreign material.

Well cap with access ports

Livestock

Vented Well Cap



N.T.S.

N.T.S.

Pitless Adapter (Typical)
for construction of the discharge piping under ground

- Notes:
- The well to be installed in accordance with the attached NRCS Construction Specification CS-AZ-16 Water Well. Materials shall be per NRCS Material Specification MS-AZ-560 Well and Casing.
 - Well casing shall be marked according to ASTM specification for material used.
 - Gradation of gravel packing and screen slot size shall be recommended by the well driller and concurred by NRCS.
 - All wells shall conform to the following:
 - A minimum 4" thick concrete well slab extending a minimum of 2 feet in all directions.
 - The surface seal shall consist of steel casing, one foot of which shall extend above ground level, and cement grout (1 1/2" annular spacing minimum) placed in one continuous application from the bottom of the zone to be grouted to the land surface, as per ADWR requirements. If a pitless adaptor is utilized, the cement grout may terminate below the underground discharge pipe. The minimum length of the steel casing shall be 20-feet.
 - Artesian wells must be sealed, as per ADWR (R12-15-811, R12-15-812) requirements.
 - Excavations and all other work shall conform to OSHA regulations, ADWR requirements, & AWWA A100
 - Pitless adaptor and waterline may be installed above the frost line only when well is used seasonally.
 - Casing may end in consolidated material or bedrock for non-artesian aquifers. No screen is necessary.
 - Casing and joints must be watertight and able to carry load of casing length.
 - Plug screen with similar material plate or self closing valve.
 - The final well depth shall be as determined by well driller. Depth of the well shall be equivalent to 150-feet below the draw down level which is established @ the end of a 4 hr pump draw down test. Discharge rate for the pump test shall correspond to the planned well production rate.
 - An access port with a minimum diameter of 0.5-inch shall be installed to allow for unobstructed measurement of depth of the water surface, or for a pressure gage for measuring shut-in pressure of a flowing well.

Well Information

Quad Name _____
 Chapter _____
 Sec. _____ T. _____ R. _____
 or
 Lat _____ Long _____
 GPS Hand Held Other

Ground elevation at well _____
 Date Completed _____

Drillers Documentation

Driller _____
 State License # _____
 Address _____

Construction Dates

Construction Started _____
 Construction Completed _____

Drill Method

- Air Rotary
- Bored or Augered
- Cable Tool
- Dual Rotary
- Mud Rotary
- Reverse Circulation
- Driven
- Jetted
- Air Percussion / Odex Tubing
- Other (please specify) _____

Condition of Well

- Capped/Abandoned
- Pump Installed

Logs Available

- Drillers
- Geophysical
- Other (specify) _____

Well Data

Borehole Diameter (in) _____
 Borehole Length (ft) _____
 Well Depth (ft) _____
 Static Water Level (ft) _____
 Well Production (gpm) _____
 Recovery (ft) _____
 Recovery (hours) _____

Appurtenances Installed

- Air Line
- Vent

Surface Seal

Pitless Adaptor
 Type Steel
 Casing Diameter _____ (inch)
 Length 20' minimum _____

Casing Thickness

- SDR
- GA
- Schedule
- Wall Thickness

Casing

Type Steel PVC/ABS/SR
 Casing Diameter _____ (inch)
 Length _____
 Casing Thickness _____

- SDR
- GA
- Schedule
- Wall Thickness

Screen or Perforated Pipe

Type Steel PVC/ABS/SR Other
 Casing Diameter _____ (inch)
 Length _____

Casing Thickness

- SDR
- GA
- Schedule
- Wall Thickness

Slot Size _____ " x _____ "
 Slots/ft _____
 Screen Type _____

Date _____

Designed _____
 Drawn _____
 Checked _____
 Approved _____

Arizona Drawing Template
 Water Well – 642

Field Office _____

County, Arizona _____



United States Department of Agriculture

File No. _____

Drawing No. AZ642_15_12

Sheet _____ of _____