

WATER WELL INSTRUCTIONS FOR USE OF SPECIFICATION 642

1. APPLICABILITY

Construction Specification 642 is applicable to installation of water wells.

2. ITEMS TO BE INCLUDED IN SECTION 5 AND/OR DRAWINGS

- a. Material requirements, including but not limited to:
 - (1) Casing certification for anticipated head differential. Steel and plastic pipe must meet the strength requirements in National Engineering Handbook, Part 631, Chapter 33 (NEH-631-33) "Investigations for Groundwater Resources Development." This reference should be given to the contractor.
- b. Type of water use (e.g. human consumption, milking center, livestock water, etc.), daily volume, and gpm.
- c. Statement that the contractor is responsible for the location and depth of the well, the method of installation, and any enhancements (e.g. gravel packs, well development, sealing of aquifers, etc.) based on what is encountered in installing the well.
- d. State if aquifer development (hydrofracturing, etc.) is permitted
- e. State if and in what locations surface water diversion will be required upslope of the well
- f. If there is a potential for the well to be in the 100 year floodplain, state that flood protection is required for the wellhead.
- g. Indicate any water quality testing requirements
- h. State if other permits or approvals (e.g. Milk Sanitarian) are required
- i. Safety items, including underground and overhead utilities
- j. Erosion and sediment control
- k. Vegetative requirements
- l. Reference to other practice specifications (e.g. 342, 362), if applicable.