

## WATER WELL INSTRUCTIONS FOR USE OF SPECIFICATION PA642

### 1. APPLICABILITY

Construction Specification PA642 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.
  - (2) Requirements for casings and gravel packs, if other than as set forth in Section 2.
  - (3) Details of appurtenances; screens, joints, sealants, etc.
  - (4) Concrete for slabs, etc.
- b. Type of water use (e.g., irrigation milking center, livestock water, etc.), and needed daily volume and gpm. Indicate any water quality testing requirements.
- c. Approximate well location; however, state that the contractor is responsible for the final 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. State if other permits or approvals (e.g. Milk Inspector) are required
- h. Safety items, including underground and overhead utilities
- i. Erosion and sediment control
- j. Vegetative requirements
- k. Reference to other practice specifications (e.g. PA342, PA355, PA362), if applicable.