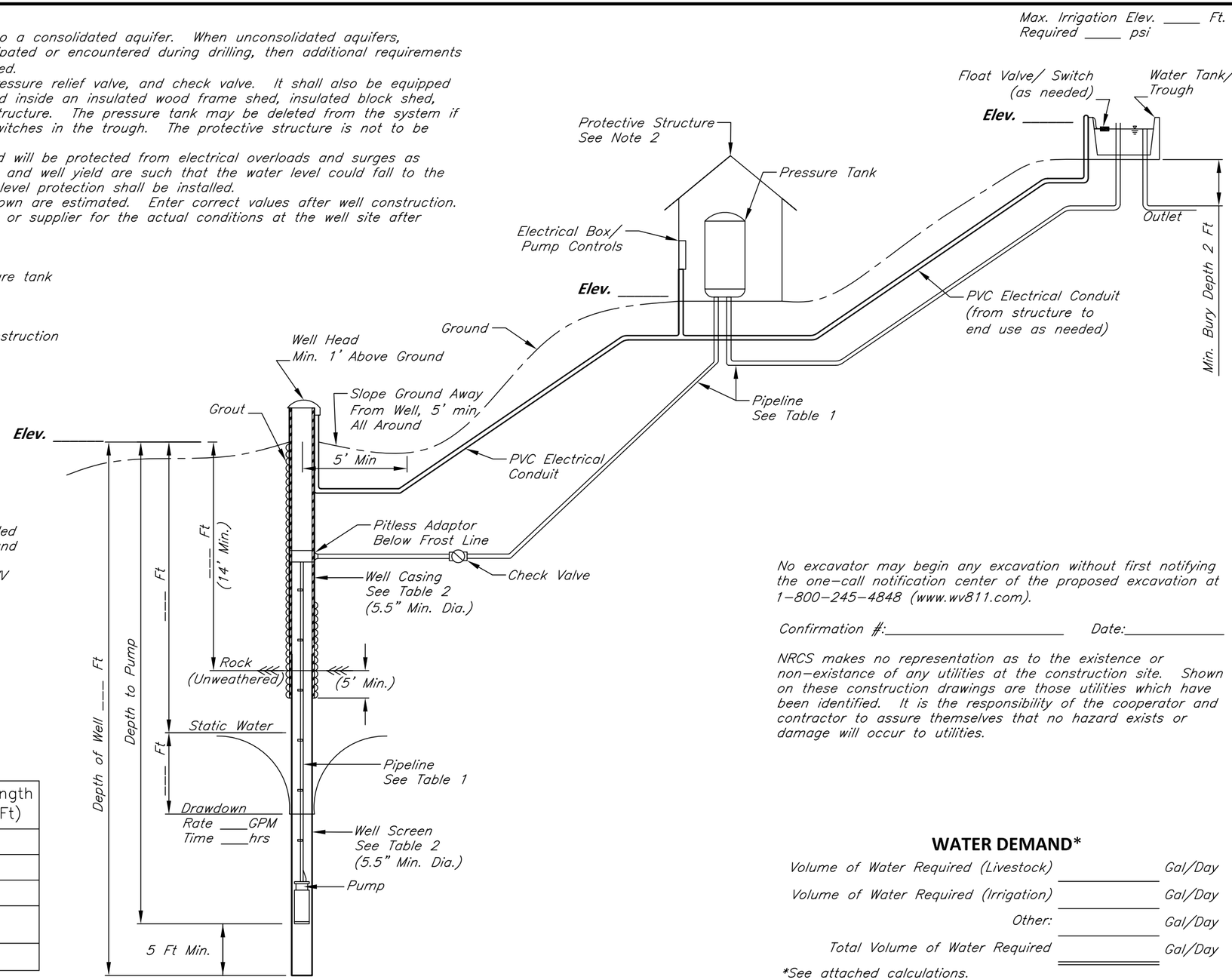
GENERAL NOTES

1. This form is intended for use when wells are to be drilled into a consolidated aquifer. When unconsolidated aquifers, fractured zones, or aquifers with poor quality water are anticipated or encountered during drilling, then additional requirements for casing liners, well screens and/or filter packs will be added.
2. The pressure tank shall be equipped with a pressure gage, pressure relief valve, and check valve. It shall also be equipped with shutoff valves at the inlet and outlet. It shall be located inside an insulated wood frame shed, insulated block shed, existing building, covered in-ground concrete pit, or similar structure. The pressure tank may be deleted from the system if the pump is controlled by a manual switch, timer, or float switches in the trough. The protective structure is not to be built over the well head.
3. The pump shall be equipped with a foot valve and screen and will be protected from electrical overloads and surges as recommended by the manufacturer. When the pumping rates and well yield are such that the water level could fall to the elevation of the pump then the pump controls for low water level protection shall be installed.
4. Well depth, water level, casing depth, pump depth, and drawdown are estimated. Enter correct values after well construction.
5. The following items will be recommended by the manufacturer or supplier for the actual conditions at the well site after development of the well:
   - 5.1. Pump Horsepower
   - 5.2. Pipe diameter and pressure rating
   - 5.3. Control and protection devices for pump, pipe, and pressure tank
   - 5.4. Electrical requirements including wire gauge
   - 5.5. Pressure tank requirements
6. Drawdown to be determined by well driller.
7. All disturbed areas shall be revegetated immediately after construction using the following materials:

	Species/Type	Rate	
Seed	_____	_____	lb/AC
	_____	_____	lb/AC
	_____	_____	lb/AC
	_____	_____	lb/AC
	_____	_____	lb/AC
Lime	_____	_____	lb/AC
Fertilizer	_____	_____	lb/AC
Mulch	_____	_____	Tons/AC

8. A control stop valve _____ Dia., _____ GPM may be installed when the well is used for irrigation or continuous water demand exceeds 2 hours per day.
9. Well to be installed by a WV certified well driller. Adhere to WV Title 64, Series 46-Water Well Design Standards.



No excavator may begin any excavation without first notifying the one-call notification center of the proposed excavation at 1-800-245-4848 (www.wv811.com).

Confirmation #:_____ Date:_____

NRCS makes no representation as to the existence or non-existance of any utilities at the construction site. Shown on these construction drawings are those utilities which have been identified. It is the responsibility of the cooperator and contractor to assure themselves that no hazard exists or damage will occur to utilities.

TABLE 1: PIPELINE INFORMATION

Pipe	Dia. (in)	Type	ASTM	Pres. Rating	Length (Ft)
In Well					
Well to Pres. Tank					
Tank to Trough 1[a]					
Tank to Irrigation Main[a]					
a) See attached for additional pipeline information.					

TABLE 2: WELL INFORMATION

Dia. (in)	Type	ASTM	SDR, SCH, or Wall Thickness	Length (Ft)

Clear Form

STATEMENT OF COMPLIANCE

Construction (was) (was not) completed in accordance with approved construction plans and specifications.

Signature _____ Date _____

_____ Job Class

WATER DEMAND*

Volume of Water Required (Livestock)	_____	Gal/Day
Volume of Water Required (Irrigation)	_____	Gal/Day
Other:	_____	Gal/Day
Total Volume of Water Required	_____	Gal/Day

*See attached calculations.

SPECIFICATIONS

	Design Specifications	Installed Specifications
Pump	GPM @ Ft (TDH**)	GPM @ Ft (TDH**) Model:
Pressure Tank	psig Capacity: Gal	psig Capacity: Gal Model:

**See attached calculations for Design & Installed TDH.

Designed _____ Date _____
Drawn P. Sisneros 5/16/16
Checked _____
Approved _____

642 WATER WELL FIELDSHEET
Profile Schematic

Cooperator Name

County County, WV

CD: Conservation District

United States Department of Agriculture
Natural Resources Conservation Service

File No. WVEng642FS.dwg

Drawing No. WVENG 642 FS

5/27/16 10:32 AM

Sheet 1 of 1