PRIVATE WATER SUPPLY DESIGN

System Designed for _____ located at (property address or legal description) _____

This design if for (check one) Single Family Residence OR Two-Party Prive Well

Source Pump: Pump rate _____ gpm.
If less than the required daily production of 400 gallons per day (gpd) for a sing-family residence or 800 gpd for a two-party private supply, the booster pump and storage section must be completed.

Required Pump head:

Well head (S.W.L. + Drawdown)	_____	Pump Selected: Attach pump curve/table	
System elevation	_____	Type, e.g., Goulds	_____
Headloss	_____	Horsepower	_____
Residual (30psi)	_____	Model Number	_____
Total:	_____	Depth of pump setting	_____

Booster Pump: *If the capacity of the water supply is less than the required daily production of 400 gpd for a single-family residence, or 800 gpd for a two-party private supply, complete this section as well as the storage reservoir section.*

Booster pump rate	_____	Pump selected: Attach pump curve/table	
Required pump head	_____	Type, e.g., Goulds	_____
Headloss	_____	Horsepower	_____
Residual (30 psi)	_____	Model Number	_____
Total:	_____		

Storage Reservoir: *Must be completed if a booster pump is required.*

Single family residence: **400 gallons** unless otherwise documented.
Attach manufacturer's specifications.

Two-party private: **800 gallons** unless otherwise documented.
Attach manufacturer's specifications.

Pressure Tank: Selected tank size _____ gallons.

One gallon of working storage per one gpm pump capacity, e.g., a 5 gpm pump will require 5 gallons of working or usable storage witch computes to a 19-gallon (total volume) pressure tank. When a booster pump is required, size the pressure tank according to the booster pump, not the well pump.

Distribution System:

Service	Pipe Type	Pipe diameter	Pipe length	Peak flow	Headloss per 100 ft.	Headloss in feet
1						
2						

Completed by: _____ Date: _____