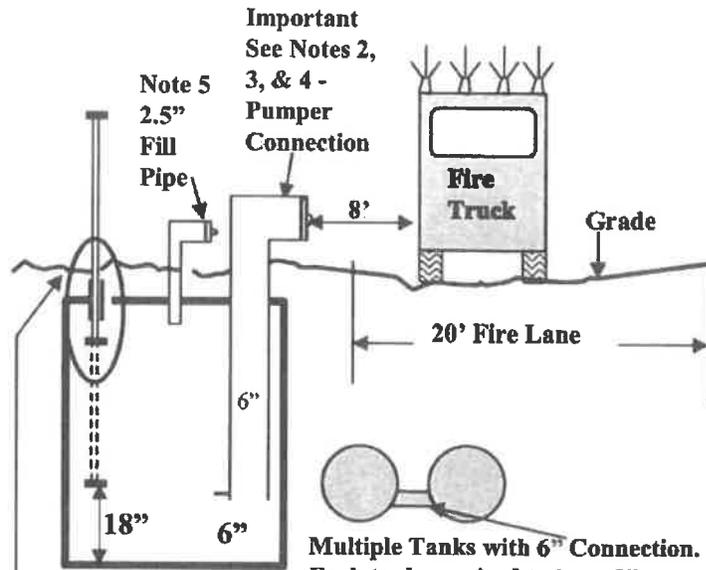
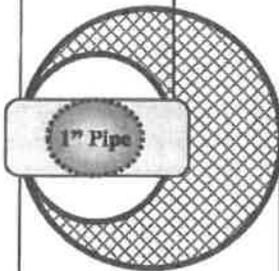


County Fire Marshal Underground Water Tank Storage Standard: January, 20__



2" Sleeve with 1" T-float assembly



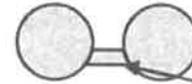
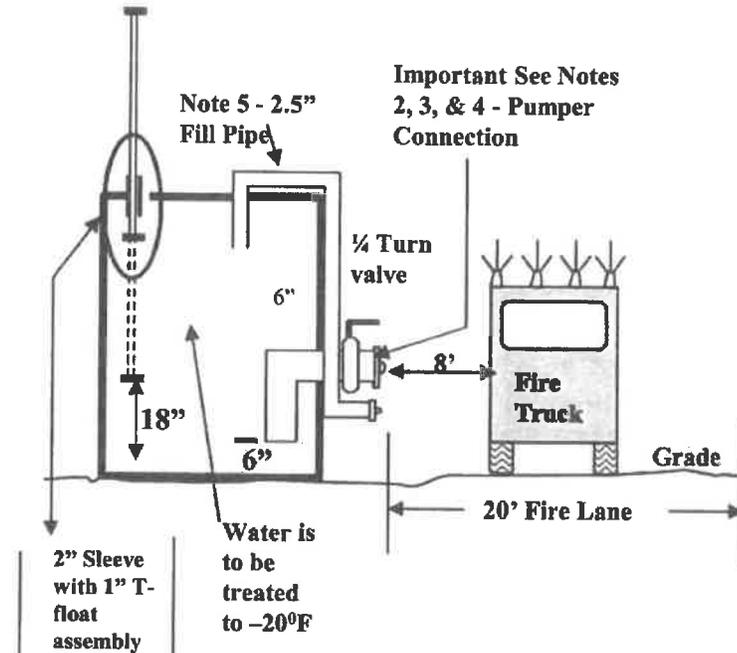
8" Vent with Screen

See Note 1

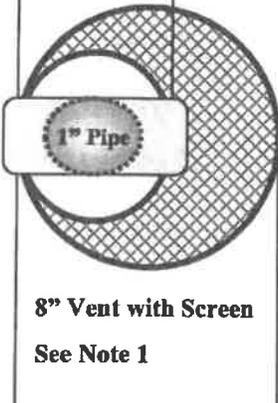
Notes

1. It is suggested that the 8" Plastic vent pipe and the float assembly be put together outside the tank. Then connect it to the tank. If the float is damaged it will need to be replaced. 100 schedule pipe or lighter material is to be used in constructing the float assembly. The 2" sleeve is to extend at least 1 foot above the ground. The length of the float must be designed so that when the bottom "T" is within 18" of tank's bottom, the top "T" will rest on the 2" sleeve. This will leave a safety margin of 1 ft of water.
2. The pumper connection must have a cap. The pumper connection is to be a male connection. The threads are to be National Standard. The pumper connection is the same as a standard 4.5" steamer port on a fire hydrant. Prosser steamer port is a 6" male coupling with National Standard Threads.
3. The vertical pipe for the pumper connection must extend within 6" of tank's bottom. But the overall length as measured from the middle of the male pumper connection cannot exceed 12 ft.
4. The center of the pumper connection is to be between 18" and 24" above the grade.
5. The fill pipe must have a cap. The fill pipe connection is to be a male, and the threads are to be National Standard. The center of the fill pipe connection is to be between 18" and 24" above the grade.

County Fire Marshal Aboveground Water Tank Storage Standard: January, 20__



Multiple Tanks with 6" Connection. Each tank required to have 8" vent. But only one tank required to have float assembly.



Notes

- 1. It is suggested that the 8" Plastic vent pipe and the float assembly be put together outside the tank. Then connect it to the tank. If the float is damaged it will need to be replaced. 100 schedule pipe or lighter material is to be used in constructing the float assembly. The 2" sleeve is to extend 1 foot above the tank. The length of the float must be designed so that when the bottom "T" is within 18" of the tank's bottom, the top "T" will rest on the 2" sleeve. This will leave a safety margin of 1 ft of water.**
- 2. The pumper connection must have a cap. The pumper connection is to be a male connection. The threads are to be National Standard. The pumper connection is the same as a standard 4.5" steamer port on a fire hydrant.**
- 3. The vertical pipe for the pumper connection must extend within 6" of tank's bottom.**
- 4. The center of the pumper connection is to be between 18" and 24" above the grade.**
- 5. The fill pipe must have a cap. The fill pipe connection is to be a male, and the threads are to be National Standard. The center of the fill pipe connection is to be between 18" and 24" above the grade.**

County Fire Marshal's Swimming Pond Fire Protection Standard January, 20__

Final acceptance will be based on connecting the fire truck to the connection and drafting water within two minutes of priming the fire truck.

Note 2
 The required volume must be measured from one foot above the top of the strainer and one foot from the surface. This prevents cavitation and provides for one foot of ice.

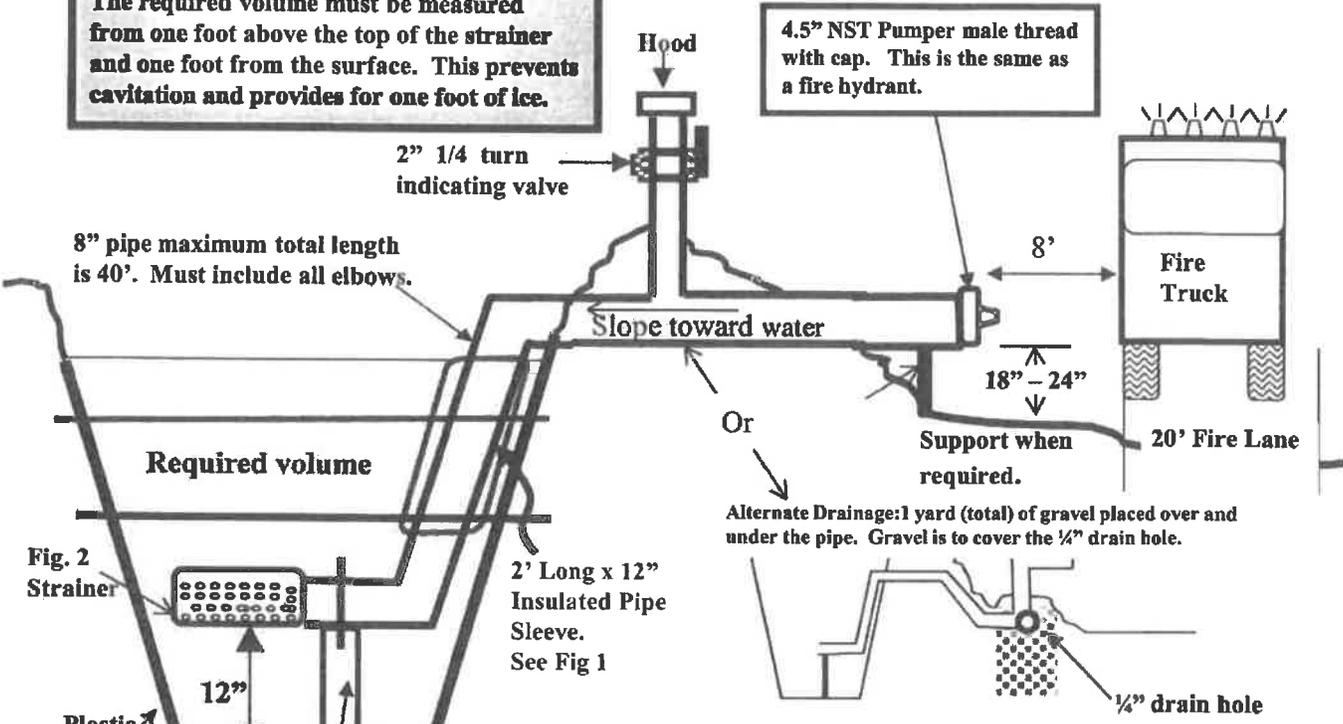


Fig. 2 Strainer

Plastic Liner

Support and Strap

2' Long x 12" Insulated Pipe Sleeve. See Fig 1

Alternate Drainage: 1 yard (total) of gravel placed over and under the pipe. Gravel is to cover the 1/4" drain hole.

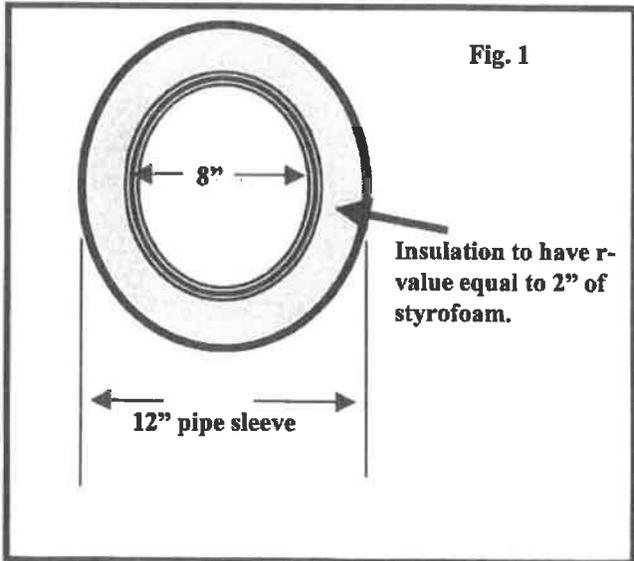
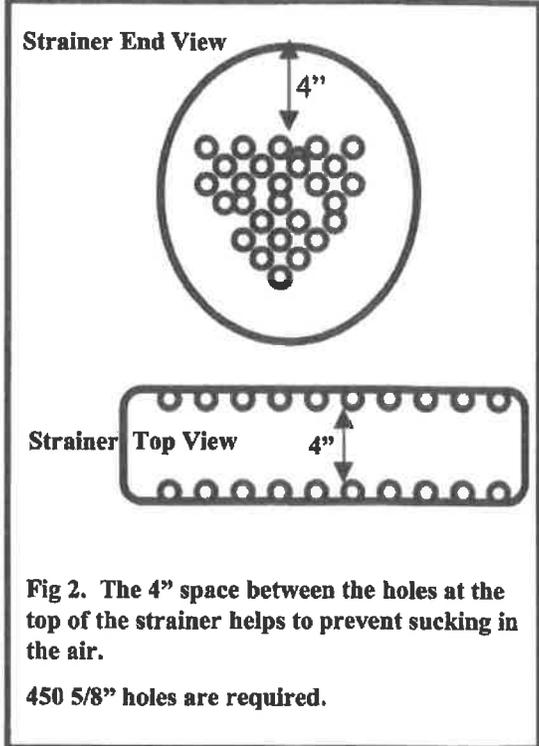


Fig. 1

Insulation to have r-value equal to 2" of styrofoam.

12" pipe sleeve



Strainer End View

Strainer Top View

Fig 2. The 4" space between the holes at the top of the strainer helps to prevent sucking in the air.

450 5/8" holes are required.

County Fire Marshal's Swimming Pool Fire Protection Standard January, 20__

1. Final acceptance will be based on connecting the fire truck to the connection and drafting water within two minutes of priming the fire truck.

Note
The required volume must be measured from one foot above the top of the strainer and one foot from the pool's bottom. This prevents cavitation and provides for one foot of ice.

