Important Features of Pump Tank

**Construction**
1. Baffle wall modified (if present)
2. Access opening (min. 24 inches) with removable lid
3. Manhole riser (min 6 inches above ground)
4. Double seal tank joint w/ mastic & surface bonding cement
5. Pump (U.L. listed or equivalent, effluent pump min.)

**Fittings**
(PVC w/ glue fittings, no hose clamps)
6. Ball valve or gate valve
7. Check valve (not spring loaded type)
8. Union or disconnect

**Level Control Floats (sealed mercury type, use 3 float system)**
9. Pump-off (min 12. inches above bottom)
10. Pump-on (set for required dose)
11. Highwater alarm (6 inches above pump-on)
12. Telescoping float tree (see reverse)

**Electrical**
13. Enclosure/control box (NEMA 4X – within arms reach or line of site from riser) Box 12” + above ground
14. Alarm on separate circuit (Audible and visible)
15. Pump run light *
16. H-O-A switch *
17. Elapsed time meter *
18. Disconnect at tank site
19. No internal splices (conduit large enough for electrical plug)
20. Electrical conduit sealant (duct seal or 100% silicone caulk)

**Other**
21. Stainless steel pump lift chain or ½ inch nylon rope
22. Anti-siphon hole (3/16 inch diameter)
23. Easy access to internal fittings (up inside riser)
24. Discharge pipe (schedule 40, usually 200 psi)
25. Water tight connections
26. Pump tank Serial No. and date
27. Pump sitting on concrete block (4+” thick)
28. Pump to 75 gallon distribution box or pressure manifold
29. Is leak test required for tanks? (Y/N)

**General**
A. Wiring must be installed by licensed electrician
B. Wiring must be inspected by county building inspector
C. Pump must be demonstrated to work (test run)
D. Pump must always be submerged unless mfrs specifications are different.
E. Supply line must be properly bedded and braces used where needed

**Special Note:** If manufacturers specifications are different than anything shown or described above, then please contact Health Department before proceeding.

* Not required for system with single pump 06/23/03
Installers Check List

A. Figures needed for dealer to size pump:
   _______ elevation difference between bottom of pump tank and top of distribution box
   _______ length of supply line pipe from pump tank to distribution box
   _______ size and type material of supply line pipe (e.g. 2” pvc sch. 40)
   _______ flow rate in gpm (min. 21 gpm for 2” pipe or 46 gpm for 3” pipe), add 3 gpm for each 3/16” diameter siphon hole

B. Float settings (in inches from bottom of pump tank)
   _______ pump off (equals height of pump and cap block plus 2”)
   _______ pump on (inches of draw down or dose volume)
   _______ alarm on (always 6” above pump on)