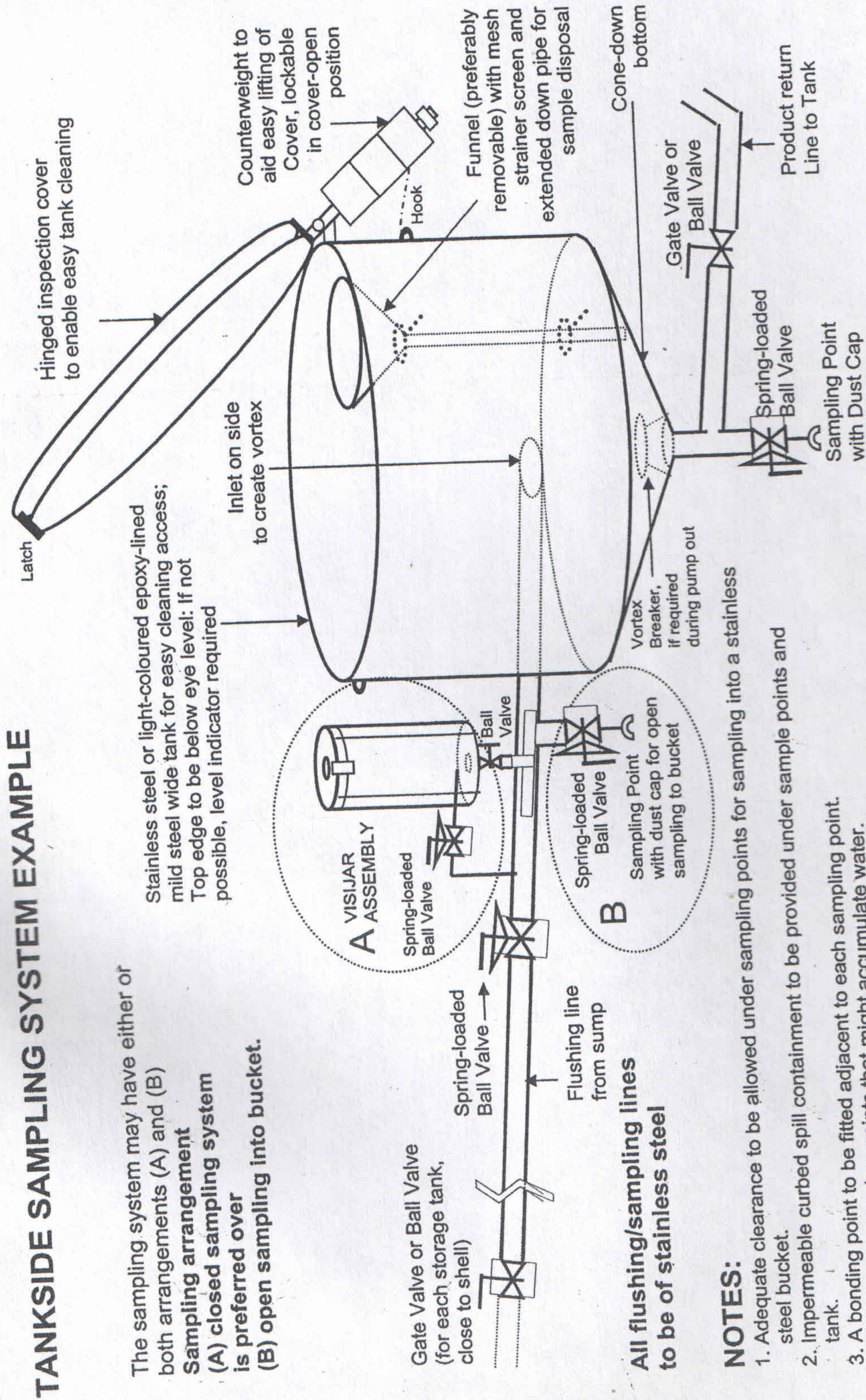


Appendix A4  
Sampling System Diagram



**TANKSIDE SAMPLING SYSTEM EXAMPLE**

The sampling system may have either or both arrangements (A) and (B)  
**Sampling arrangement (A)** closed sampling system is preferred over  
**(B)** open sampling into bucket.

Gate Valve or Ball Valve (for each storage tank, close to shell)

Spring-loaded Ball Valve  
Flushing line from sump

**All flushing/sampling lines to be of stainless steel**

**NOTES:**

1. Adequate clearance to be allowed under sampling points for sampling into a stainless steel bucket.
2. Impermeable curbed spill containment to be provided under sample points and tank.
3. A bonding point to be fitted adjacent to each sampling point.
4. Lines to have no low points that might accumulate water.
5. Minimum tank capacity is 200 litres. It may need to be significantly larger depending on application. For tankside sampling it should be related to tank size, sump size and water draw off/sample line capacity.
6. The side wall shall be high enough to prevent surge splash during high rate flushing.
7. Installation to avoid galvanic action created by dissimilar metals (stainless steel and mild steel)