

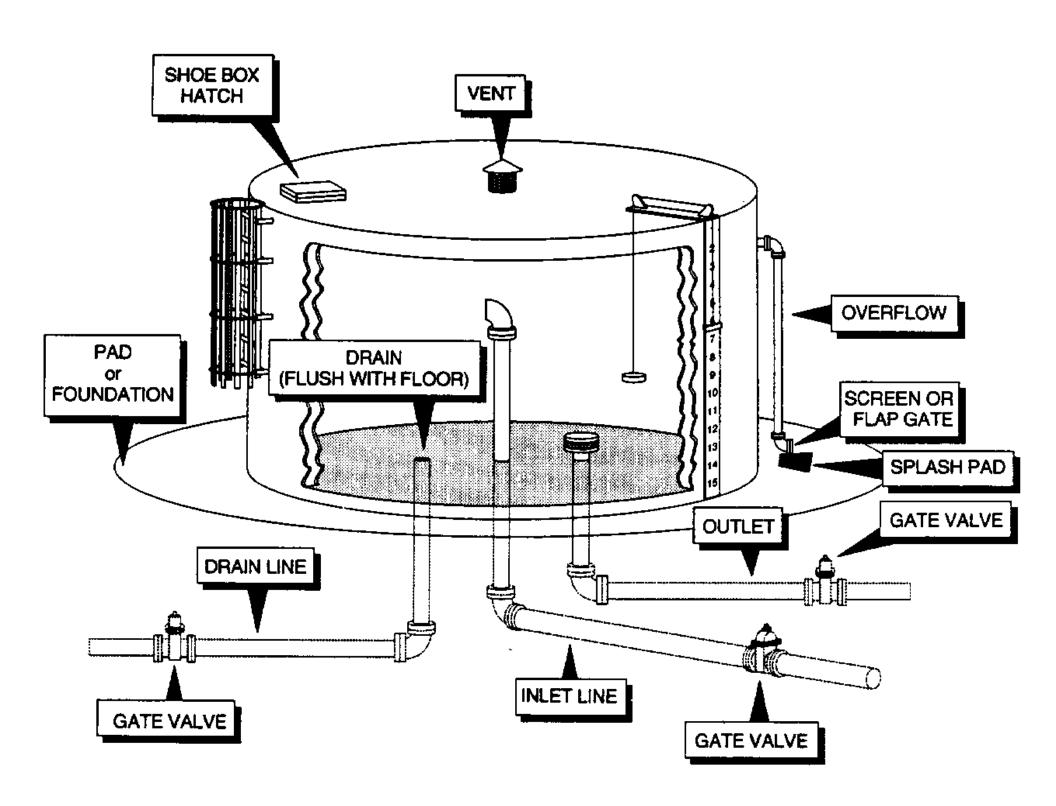


Water System Facilities Sanitary Surveys-2018 Part 2

- Screens
- Security
- Accessopenings
- Condition of tank

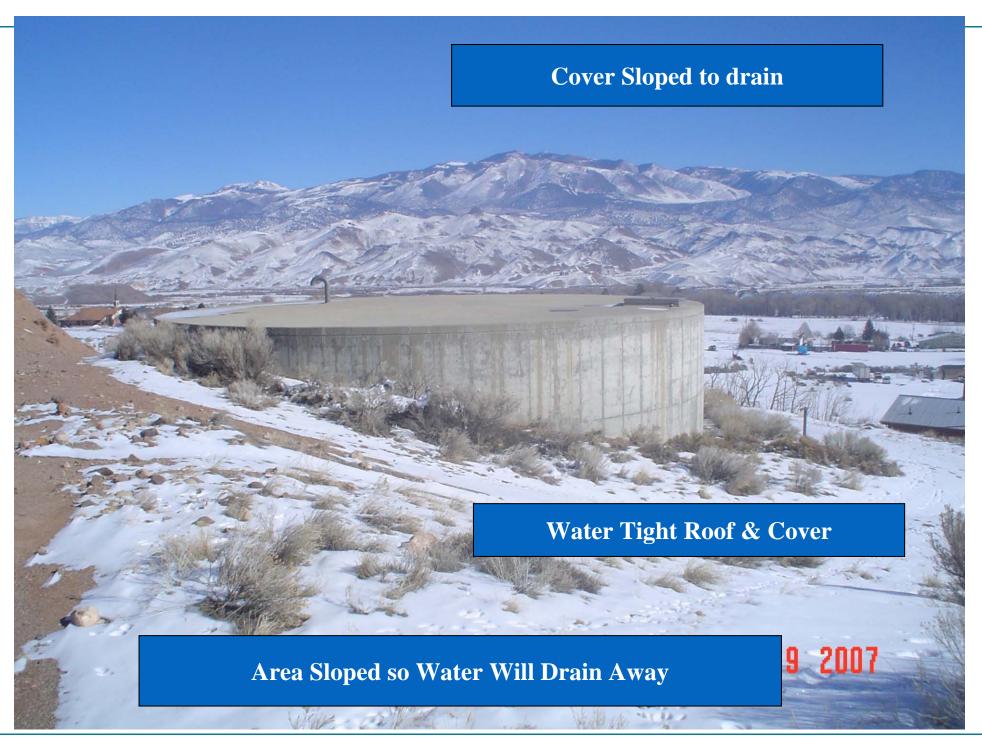
- -Vent
- Drains /overflows
- Operation /Maintenance





- Area surrounding underground tanks graded to prevent water standing within 50 feet
- Water tight roof or cover
- Cover sloped to drain

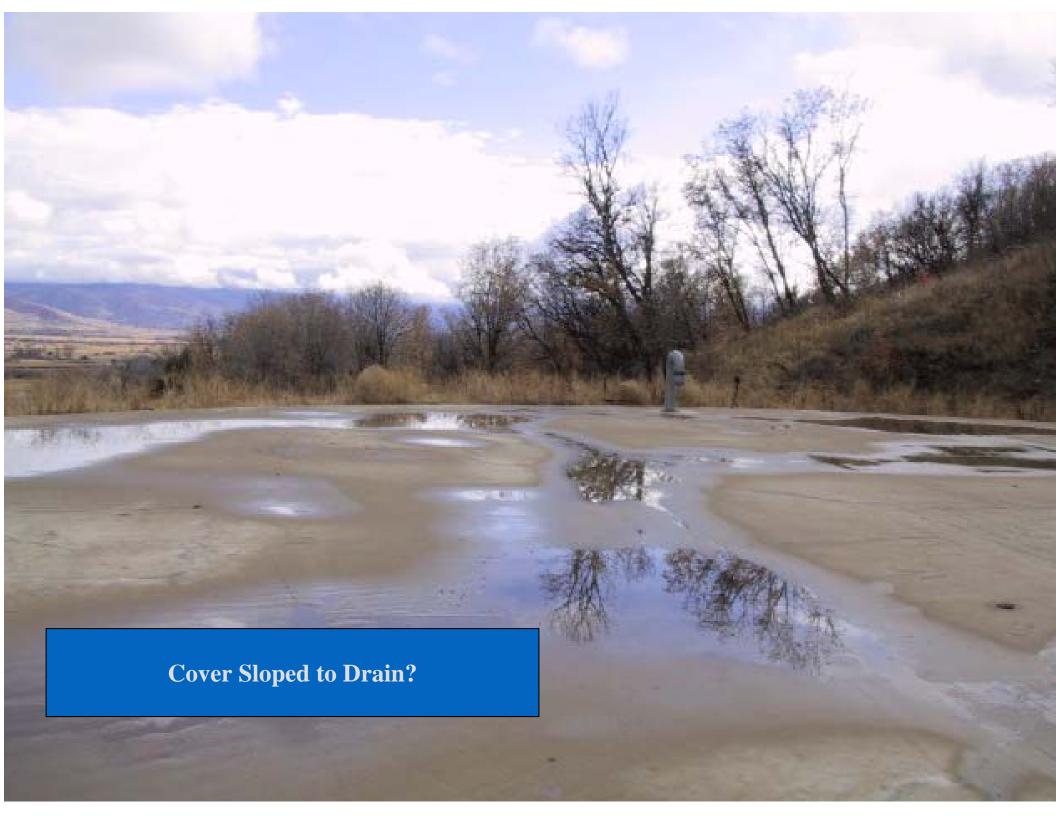














Access ladders / safety railings

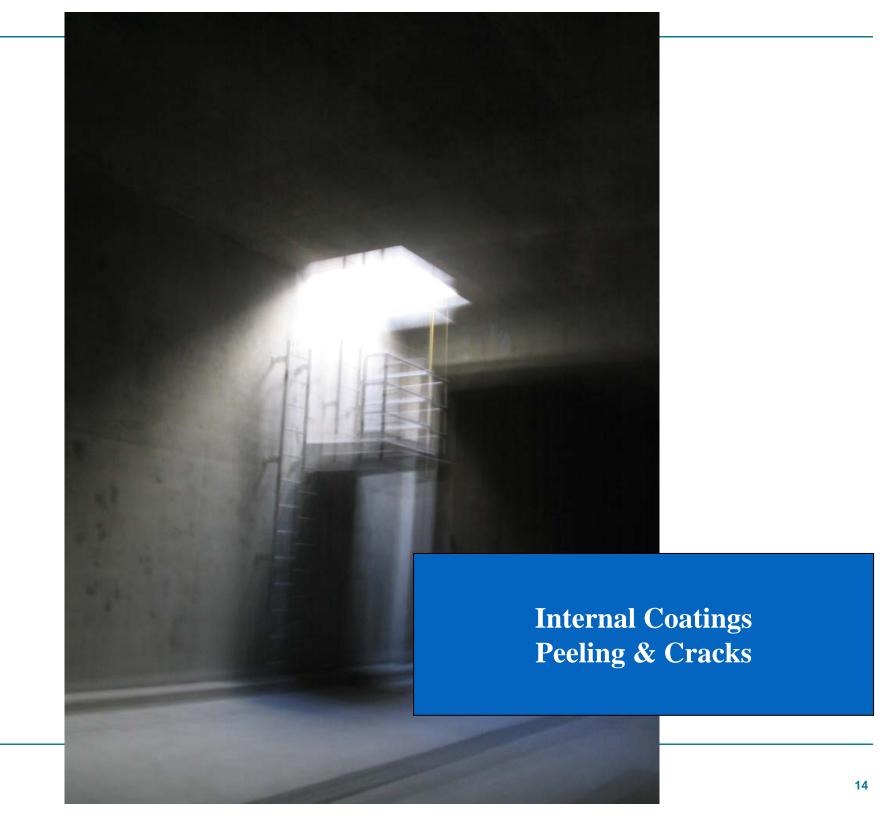




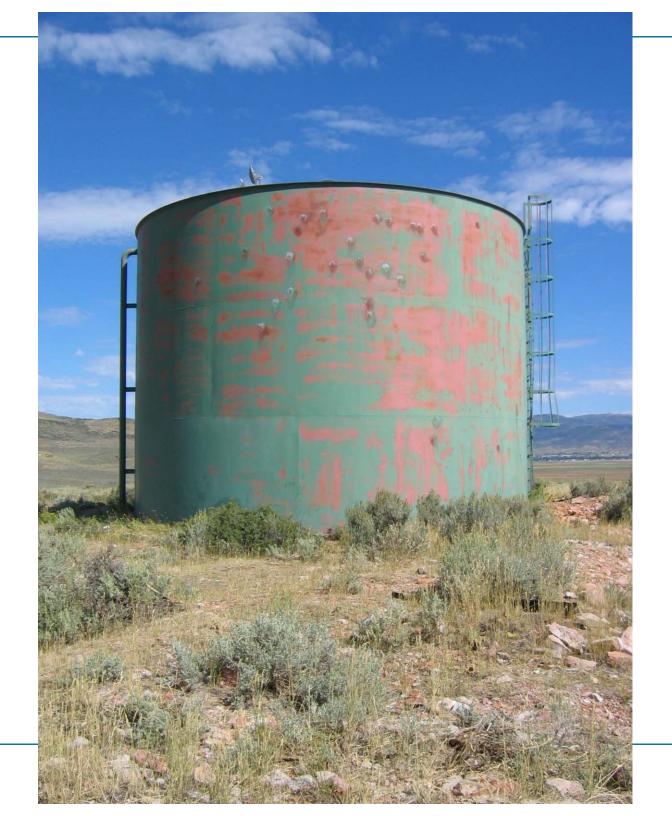


- Internal coatings
 - Peeling or cracks
- Sidewalls











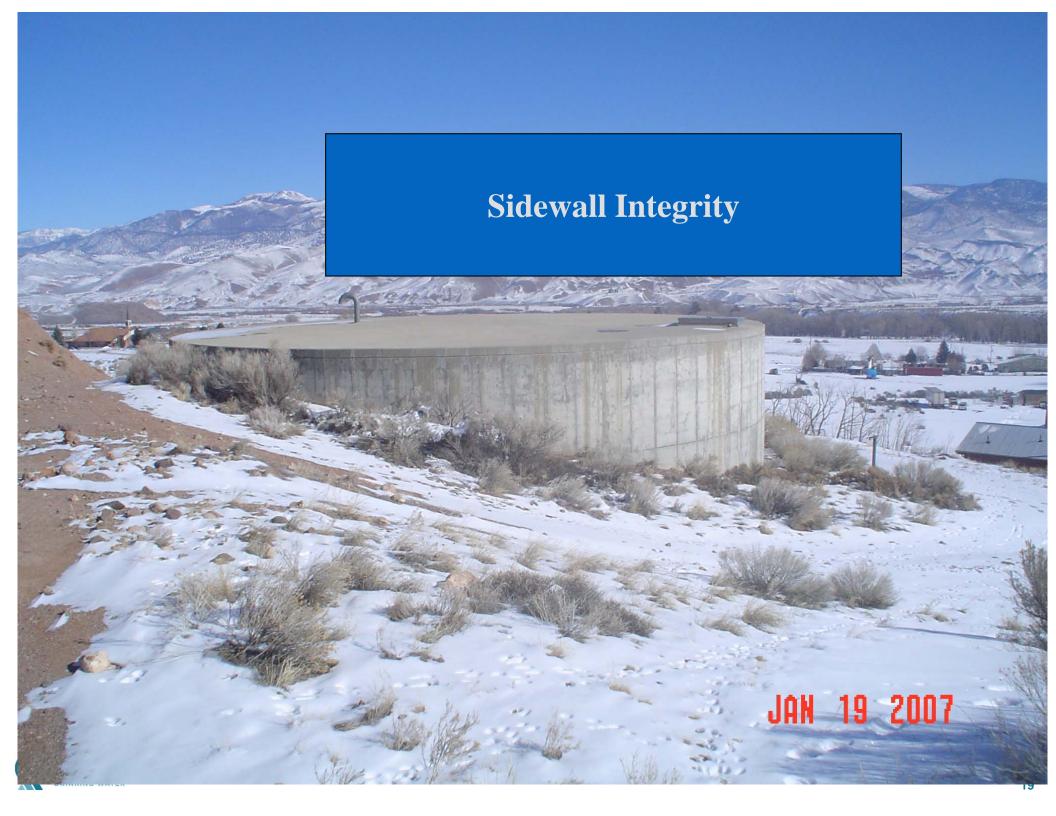
Electrolysis Bottom of Tank

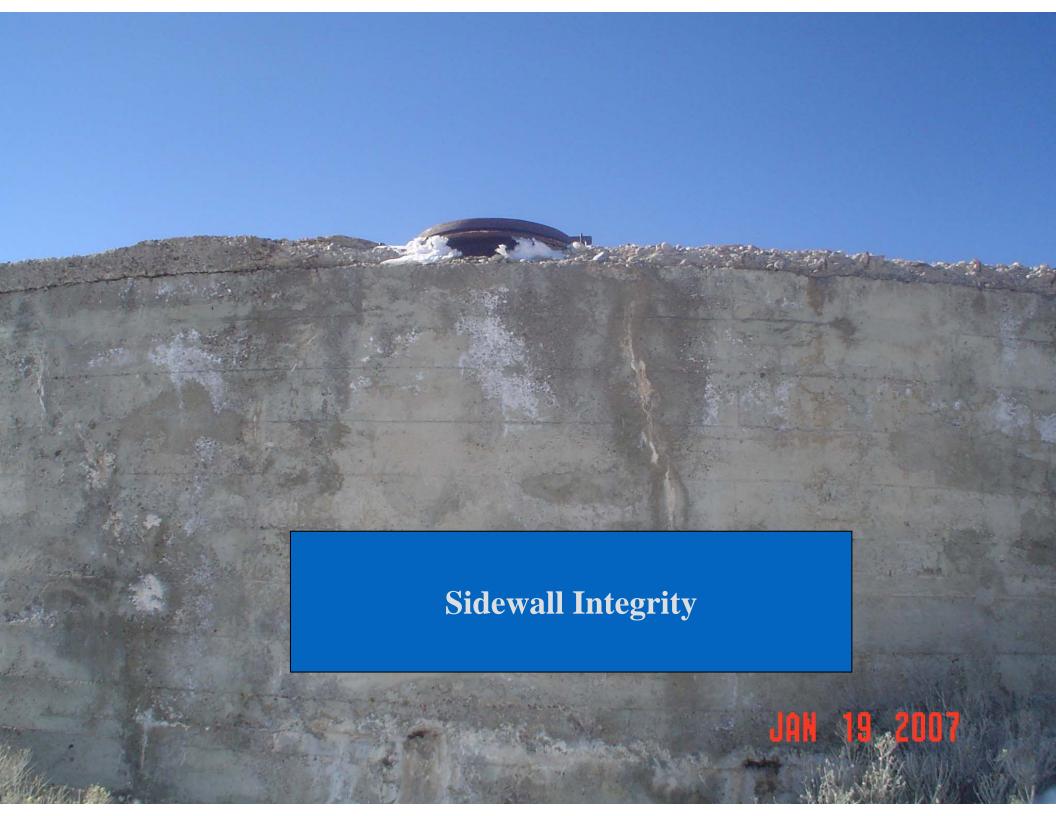




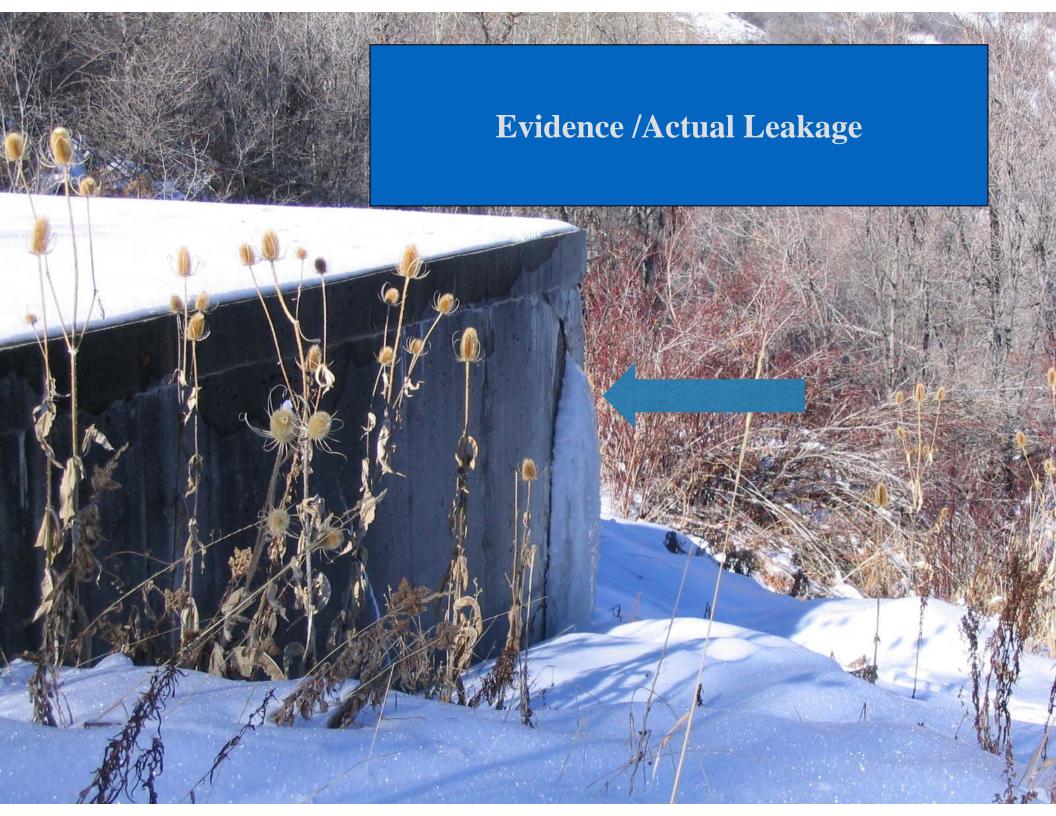
- Integrity of side walls and roof
 - Deterioration or Spalding
 - Evidence of leakage
 - Actual leakage
 - Water intrusion into tank
- No unsealed roof penetrations







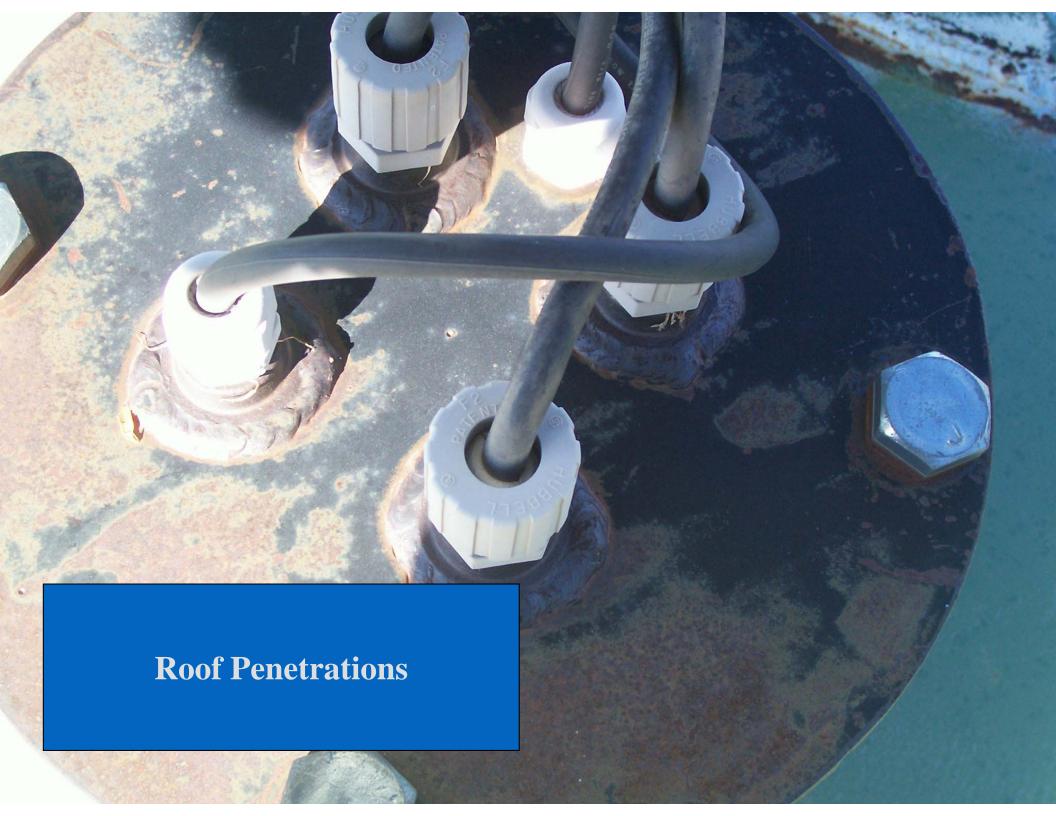




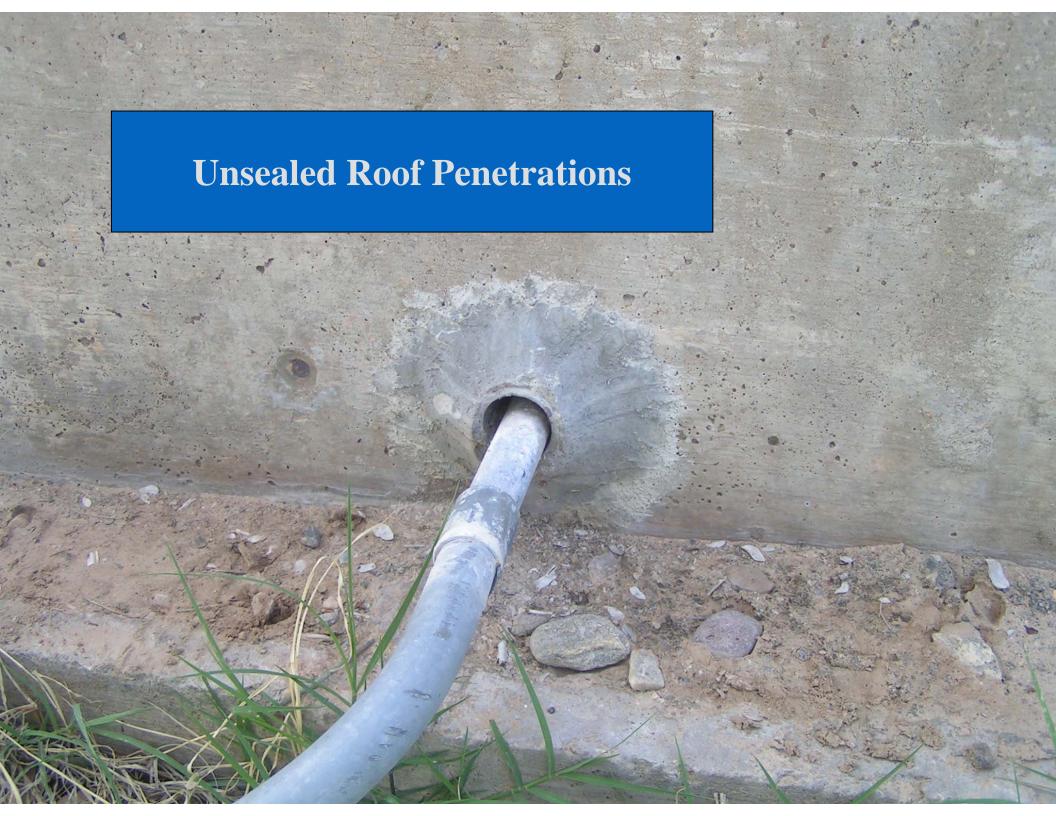
Structural Stability of Tank











Access Boxes

- Shoebox type access lid
- 2" overlap
- 4" above the top of the tank / 18" above surrounding ground
- Gasketed
- Locked
- Integrity of access box (50 pt)







Access Hatches











Improper Access Opening





Improper Access Opening



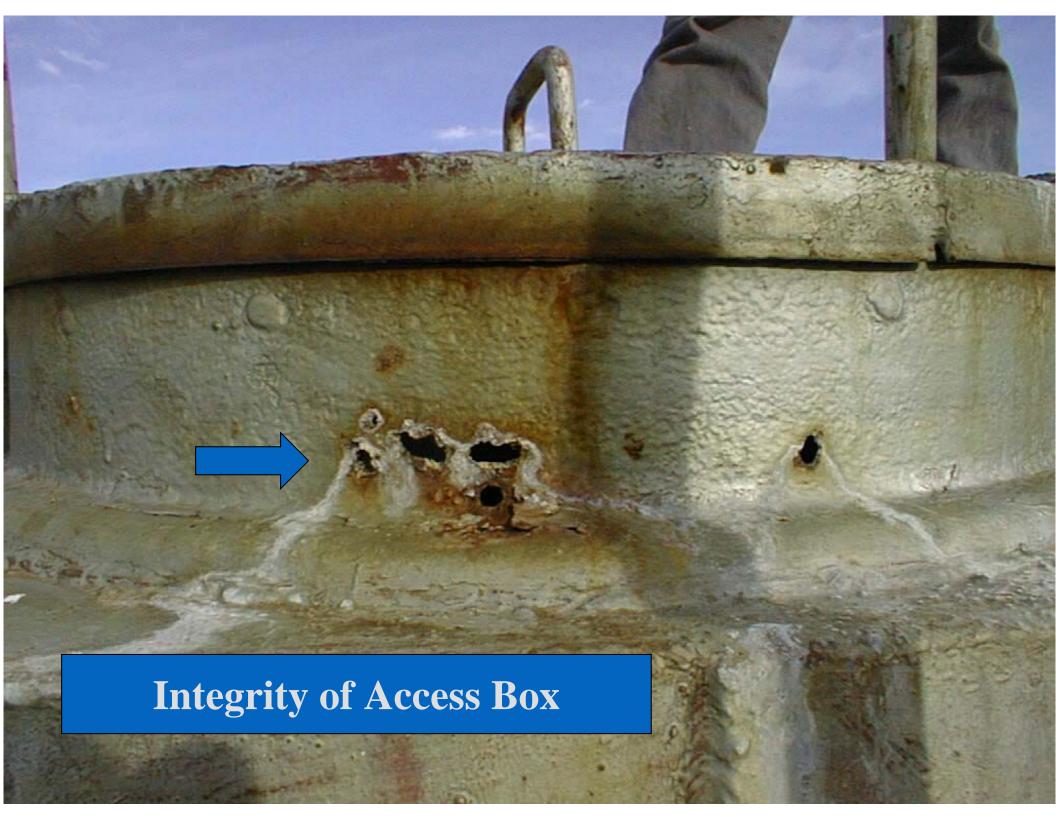














Air Vents

- Air vents Storage
 - Down turned or covered
 - Screened #14 mesh with larger protective screen
 - Terminate at least 24" above ground
 - Covered from wind, rain, & dust





















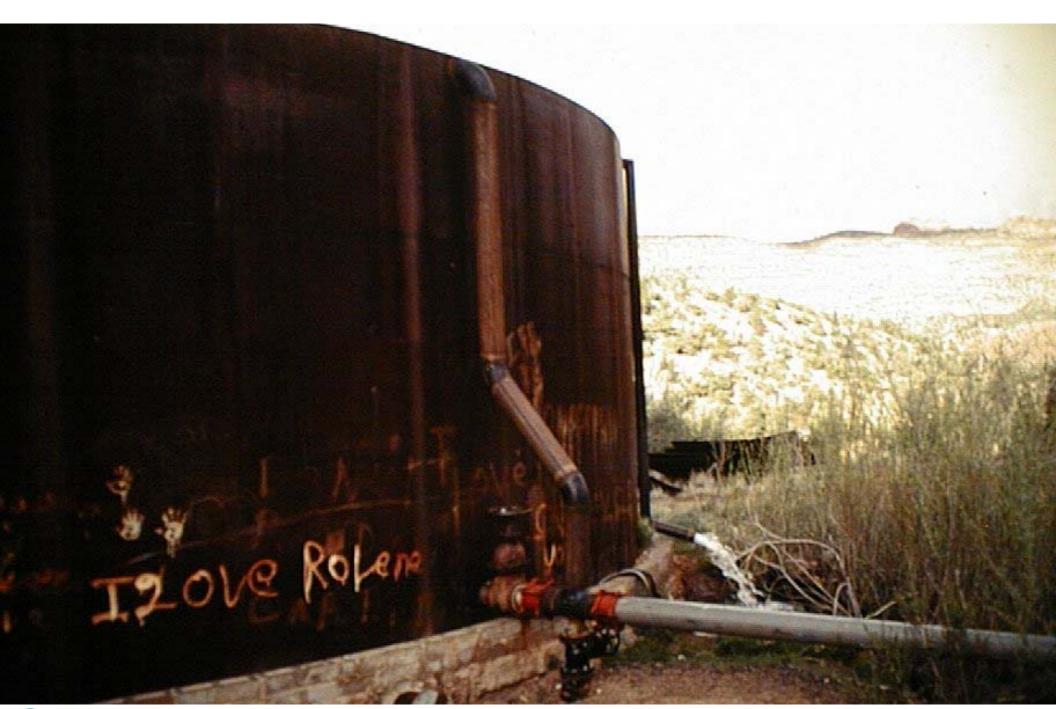


Overflow Piping

- Storage Tanks
 - #4 screen
 - Adequately sized
 - · Minimum 12" free fall
 - Not connected to sewer















Drain lines

- Storage Tanks (if)
 - . #4 screen
 - 2 times the pipe diameter
 - If connected with overflow 12" minimum free fall
 - Not connected to sewer











Distribution System

- System pressures minimum 20 psi
- Piping materials (ANSI / AWWA Standards)
- 10 foot separation from sanitary or storm sewer lines
- AWWA disinfection procedures

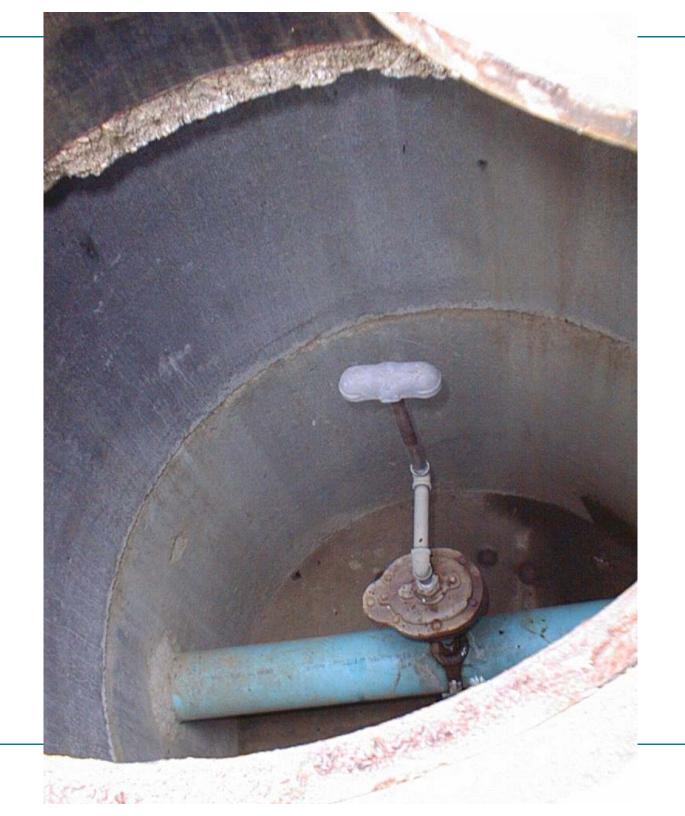










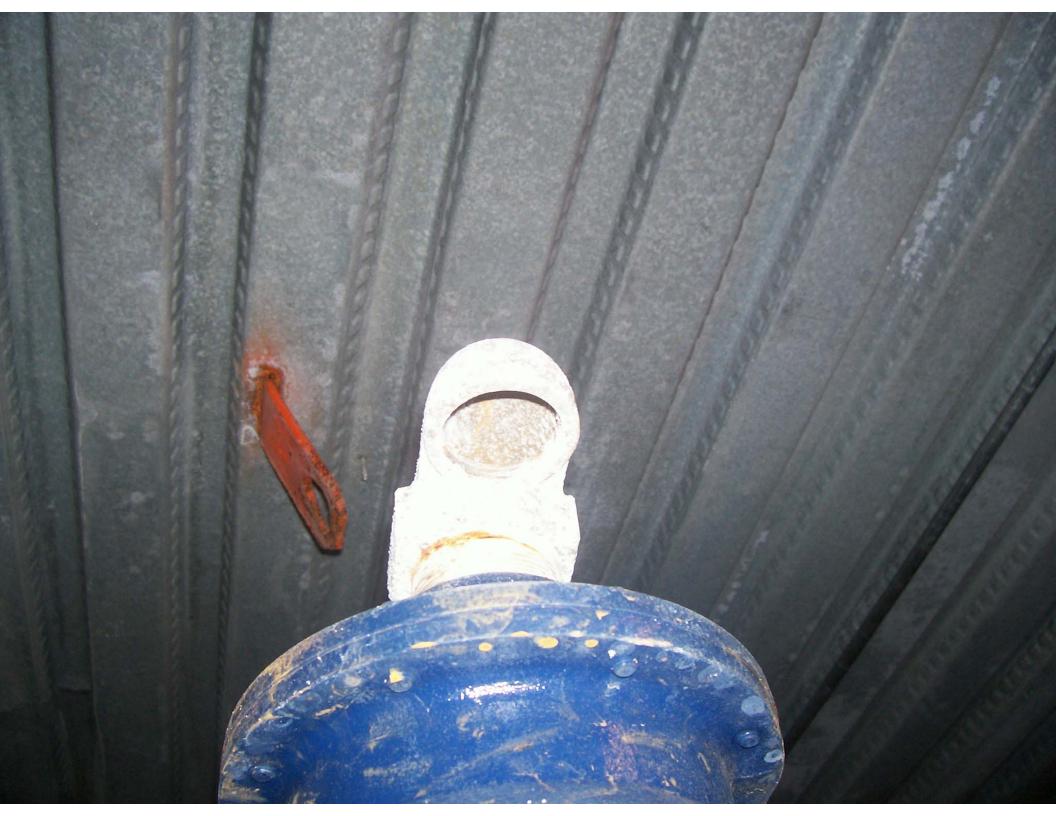












What Else in Manhole?





Distribution System

- Pressure
- Cross-connections
- Pump stations
- Air relief valves
- Fire hydrants and blow offs
- Breaks
- Repairs, etc.



Blow Offs











