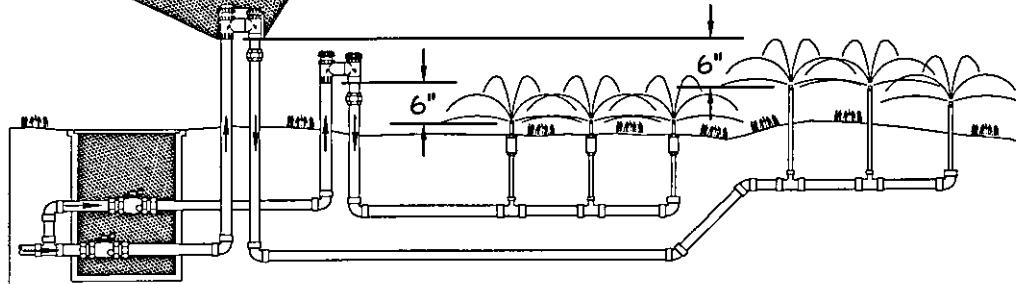


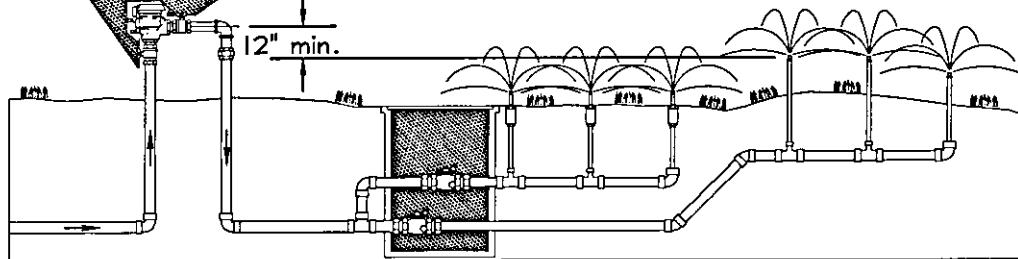
### A V B... ATMOSPHERIC VACUUM BREAKER

- One AVB required for each irrigation zone; no control valves (on/off valves) allowed downstream of (after) an AVB.
- Each AVB must be installed a minimum of six inches (6") above the highest point of water in the zone it serves.
- No chemical or fertilizer may be introduced into an irrigation system equipped with AVB's.
- No pumps or back pressure on downstream side of (after) an AVB.



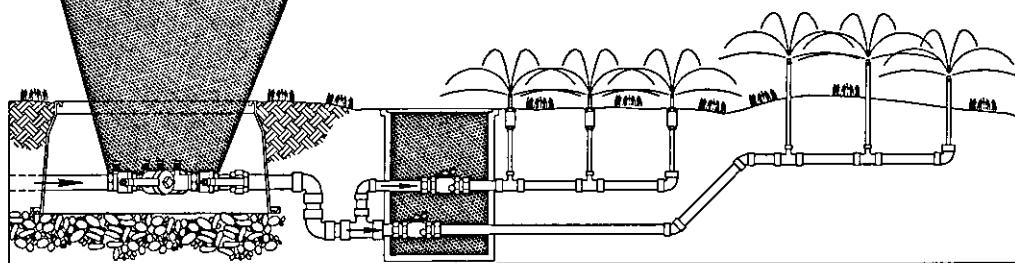
### P V B... PRESSURE VACUUM BREAKER ASSEMBLY

- Only one PVB required to serve the whole system; control valves can be located downstream of (after) the PVB.
- PVB's must be installed a minimum of one foot (12") above the highest point of water they serve.
- PVB's must be tested by a State-certified Backflow Assembly Tester...when installed ...annually ... when moved or repaired.
- No chemical or fertilizer may be introduced into an irrigation system equipped with PVB's.
- No pumps or back pressure on downstream side of (after) an PVB.



### D C V A... DOUBLE CHECK VALVE ASSEMBLY

- Only one DCVA required to serve the whole system; control valves can be located downstream of the DCVA.
- DCVA must be tested by a State-certified Backflow Assembly Tester...when installed ...annually ... when moved or repaired.
- No chemical or fertilizer may be introduced into an irrigation system equipped with DCVA's.



## TYPICAL BACKFLOW PREVENTERS FOR LAWN SPRINKLER SYSTEMS



APPROVED BY:

*Joe Stump*  
Utilities Manager

11-30-05

DATE:

REVISION:

DESCRIPTION:

DATE:

BACKFLOW PROTECTION DETAIL

W-13

SHEET 1 OF 1

FILE NAME: