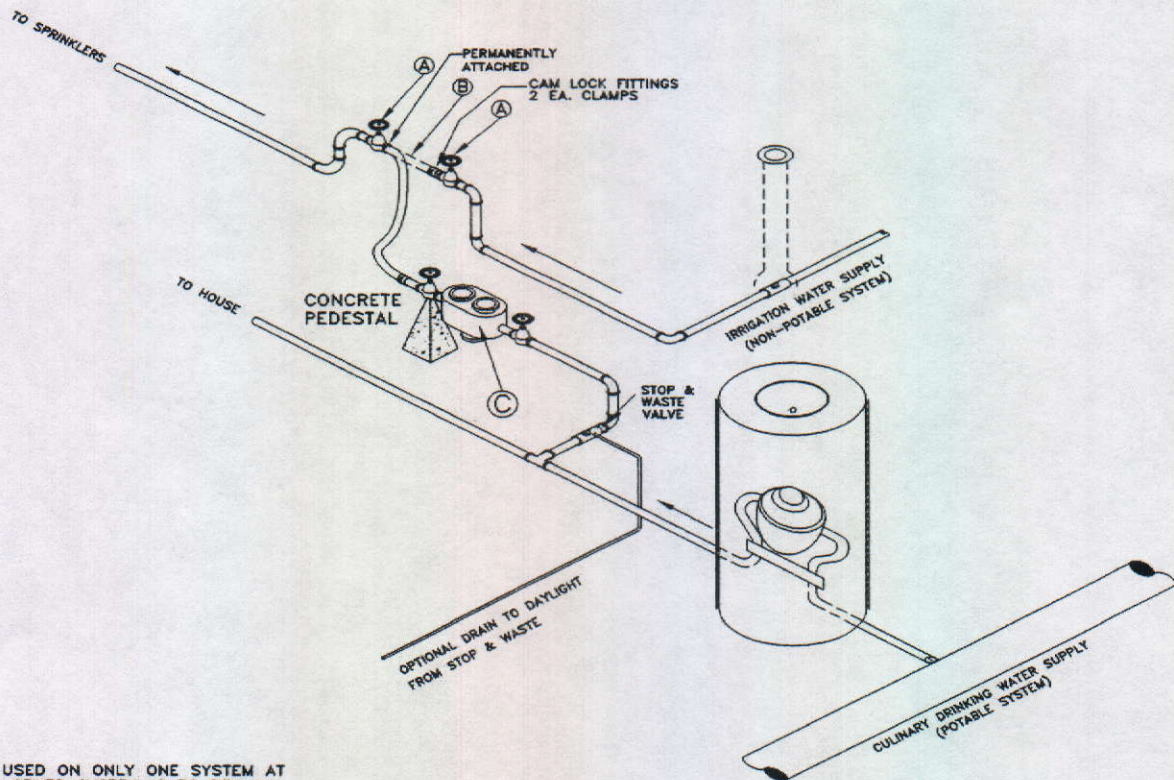


DIAGRAM 1.6

LANDSCAPING AND IRRIGATION PRESSURIZED IRRIGATION WATER SUPPLEMENTED WITH CITY WATER UTILIZING REDUCED PRESSURE ASSEMBLY



NOTES

1. HOSE TO BE USED ON ONLY ONE SYSTEM AT A TIME. THE OTHER SHALL BE NO DIRECT CONNECTIONS BETWEEN POTABLE AND NON-POTABLE WATER SYSTEMS WITH OR WITHOUT BACKFLOW PROTECTION.
2. RP REQUIRES TESTING WITHIN TEN (10) DAYS OF INITIAL INSTALLATION BY A DULY LICENSED BACKFLOW DEVICE TESTER AND ANNUALLY THEREAFTER OR MORE FREQUENTLY AT OWNER'S EXPENSE. WATER DEPARTMENT WILL TEST AND REPAIR AT THE OWNERS OPTION AND EXPENSE.
3. THE STOP & WASTE VALVE MUST BE LOCATED WHERE SUBSURFACE GROUND WATER WILL NOT ACCUMULATE OR A TUBE MUST BE ATTACHED TO THE DRAIN HOLE AND BE DRAINED TO DAYLIGHT WITH A #14 MESH OR FINER NON-CORRODIBLE SCREEN OVER THE END.
4. RP DEVICE MUST BE INSTALLED ABOVE GROUND IN ACCORDANCE WITH THE UTAH PLUMBING CODE, NOT SUSCEPTIBLE TO FLOODING AND MUST BE ACCESSIBLE AT ALL TIMES FOR TESTING, REPAIR, INSPECTION, ETC.
5. ALL STANDPIPES MUST HAVE PROPER PROVISIONS FOR DRAINING AND FROST PROTECTION. TO PREVENT FREEZE DAMAGE, OPEN ALL TEST COCKS AND BOTH SHUT OFF VALVES COMPLETELY, TURN BALL VALVES HANDLES TO 45° AFTER DRAINING OR PURGING WITH AIR.
6. CAM LOCK FITTINGS HAVE 3/4" LONG MALE INSERT ATTACHED TO FLEXIBLE HOSE.

NOTE: THERE MAY BE UP TO 20 psi HEADLOSS THROUGH THE RP ASSEMBLY. THIS IS NORMAL AND THE OWNER SHOULD EXPECT A DECREASE IN AREA COVERED AND DESIGN OR MODIFY HIS SYSTEM FOR THE LOWER PRESSURE. OPTION ONE IS RECOMMENDED FOR ALL SYSTEMS BUT ESPECIALLY EXISTING SYSTEMS WHERE A MAJOR RETROFIT WOULD BE REQUIRED BECAUSE OF LOWER PRESSURES.

| LEGEND | | |
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| ITEM | DESCRIPTION | PART NUMBER |
| A | VALVE | BALL, RESILIENT SEAT, GATE, OR EQ. |
| B | FLEXIBLE P.V.C. DISCHARGE HOSE | 100 P.S.I. WORKING PRESSURE 400 P.S.I. BURST PRESSURE |
| C | REDUCED PRESSURE BACKFLOW PREVENTER (RP) ASSEMBLY (SHUTOFF VALVES & TEST COCKS ARE INCLUDED) | FEB 825Y; WATTS 909; OR EQUIVALENT |
| D | ELBOWS AND TEES | SCREWED, FLANGED, OR BRAZED ABOVE GROUND ONLY. |

- * ALL ABOVE GROUND PARTS ARE TO BE COPPER OR GALVANIZED IRON ONLY, FROM STOP & WASTE TO DROP LEG ON DOWNSTREAM SIDE OF LAST GATE VALVE.