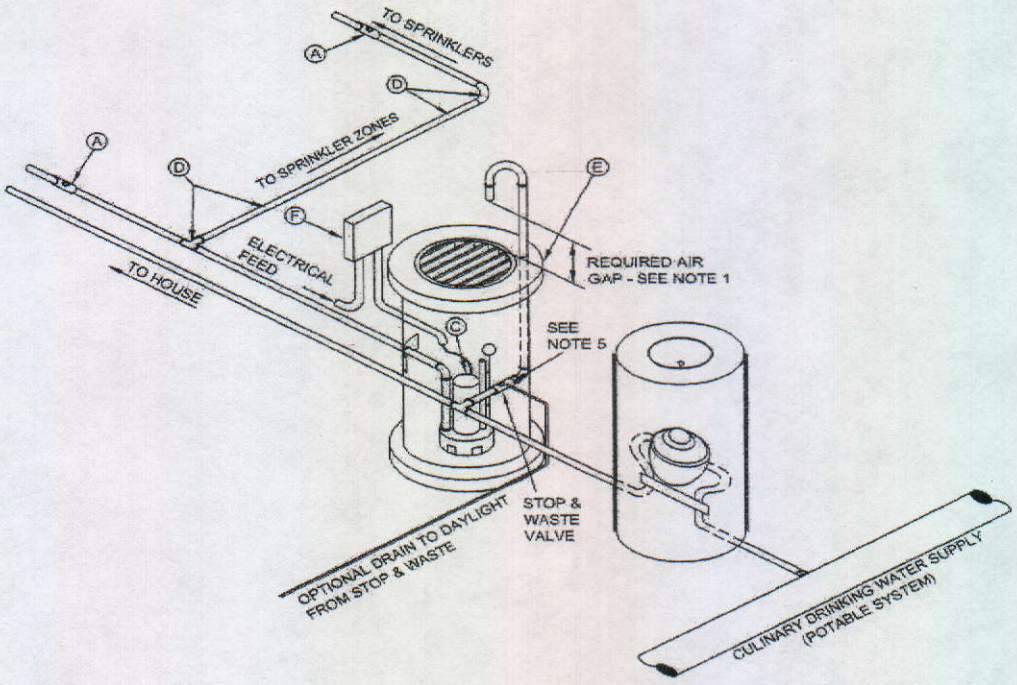
DIAGRAM 1.4

LANDSCAPING AND IRRIGATION

CITY WATER SOURCE ONLY - UTILIZING AIR-GAP



NOTES:

1. AN "AIR GAP" OF AT LEAST TWO PIPE DIAMETERS (MINIMUM) MUST EXIST BETWEEN THE MAXIMUM OVERFLOW LIP OF THE CATCH BASIN AND THE END OF THE DOWN TURNED DISCHARGE PIPE.
2. THE GROUND SURROUNDING THE CATCH BASIN MUST SLOPE AWAY FROM THE CATCH BASIN (BASIN CANNOT BE LOCATED WHERE FLOODING COULD RESULT IN A WATER LEVEL HIGHER THAN THE MAXIMUM OVERFLOW LIP OF THE CATCH BASIN).
3. THE STOP & WASTE VALVE MUST BE LOCATED IN AREAS 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. ALL STAND PIPES MUST HAVE PROPER PROVISIONS FOR DRAINING AND FREEZE PROTECTION.
5. A SOLENOID OPERATED VALVE MAY BE INSTALLED AT THIS POINT PROVIDED THE VALVE & HOUSING IS NOT CONSTRUCTED OF PLASTIC (MUST BE BRASS OR FERROUS METAL).

NOTE THE PROPERTY OWNER IS CAUTIONED THAT THE CATCH BASIN VOLUME AND/OR PUMP SIZE SHOULD BE DESIGNED TO MATCH THE MINIMUM DISCHARGE RATE FROM THE POTABLE WATER SYSTEM WHEN INDOOR DEMANDS ARE ALSO BEING EXPECTED FROM THE SYSTEM.

LEGEND		
ITEM	DESCRIPTION	PART NUMBER
A	CONTROL VALVE - I.E. SOLENOID VALVE, MANUAL SHUT OFF VALVE.	SIZE & TYPE AS PER OWNERS DESIGN. (SEE NOTE)
C	SUBMERSIBLE PUMP WITH FLOAT OPERATED CUT OUT SWITCH	SIZE & TYPE AS PER OWNERS DESIGN. (SEE NOTE)
D	ELBOWS, TEES & PIPE AS REQ'D	SCREWED OR FLANGED. (OR BRAZED ABOVE GROUND ONLY)
E	CATCH BASIN	SIZE & TYPE AS PER OWNERS DESIGN. (SEE NOTE)
F	ELECTRICAL BOX & CONDUIT	AS PER ELECTRICAL CODE.

* ALL PARTS OF THE POTABLE WATER SYSTEM FROM THE STOP & WASTE ARE TO THE AIR GAP DROP LEG ABOVE THE CATCH BASIN ARE TO BE COPPER OR GALVANIZED IRON ONLY. BELOW GROUND PARTS ON THE NON-POTABLE WATER SYSTEM MAY BE CONSTRUCTED OF P.V.C OR P.E. PIPE AT THE OWNERS DISCRETION.