LINE FLUSHING VALVE
PLUMBED TO PVC OR POLY

AREA PERIMETER

Techline LATERAL TUBING

Techline START CONNECTION MALE ADAPTER

EXHAUST HEADER

Techline TEE

BLANK TUBING CENTERED ON MOUND OR BERM

AIR/VACUUM RELIEF VALVE (PLUMBED TO Techline AT EACH HIGH POINT)

SUPPLY HEADER

REMOTE CONTROL VALVE WITH DISC FILTER AND PRV

Columbian Water Harvest
Garden Irrigation details
GENERAL IRRIGATION NOTES

1. The irrigation contractor shall become thoroughly familiar with the specifications for this and related work prior to construction.

2. Install pop up type sprinkler heads installed in law areas so that top of sprinkler head is flush with adjacent sidewalk or curb.

3. Set sprinkler heads perpendicular to finish grade of area to be irrigated unless otherwise indicated on drawings.

4. When vertical obstructions (fire hydrants, trees, lights, etc.) interfere with spray pattern of sprinkler heads so as to prevent proper coverage, adjust sprinkler system by installing a quarter circle, half circle, or adjustable elliptical sprinkler head on each side of obstruction so as to provide proper coverage. Perform adjustments at no cost to owner.

5. Sprinkler System design is based on minimum operating pressure and maximum flow demand shown on irrigation drawings at each point-of-connection. Verify water pressure prior to construction. Report differences between water pressure indicated on drawings and actual pressure reading at irrigation point-of-connection to owner's authorized representative. In the event pressure differences are not reported prior to start of construction, contractor assumes full responsibility for revisions.

6. 120 volt electrical power outlet at the controller will be provided by general contractor. Make final hook-up from electrical outlet to automatic controller. All work to be completed in accordance with current N.E.C.

7. This design is diagramatic. Piping, valves, etc. may be shown within paved areas as for design clarification only and shall be installed in paving areas where possible. Avoid contact between sprinkler system, plumbing and architectural features. No valve boxes shall be placed within playfield areas.

8. Flush and adjust sprinkler heads for optimum performance and to prevent overspray during walks, roadways, and buildings. This includes selecting the correct degree of arc to fit site conditions and to throttle flow delivery at each valve to obtain optimum pressure. For each system.

9. Do not haphazardly install sprinkler system as indicated on drawings. When it is obvious in field that obstructions, grade differences in area dimensions exist that may not have been considered during design, bring such obstructions, grade differences to the attention of owner's authorized representative. In event this notification is not performed, contractor assumes full responsibility for revisions.

10. Install pipe materials and equipment as shown in details. Use Teflon tape on PVC male pipe threads on sprinkler main joint and valve assemblies.

11. It is the contractor's responsibility to become familiar with grade differences, location of wall, remaining mains, etc. Coordinate work with general contractor and other sub-contractors for location and installation of pipe sleeves through walls, under roadways, parking, structures, etc.

12. In addition to sleeves shown on the drawings, contractor is responsible for the installation of pipe sleeve and separate control, pipe sleeves of sufficient size under paved areas.

13. The following should be noted regarding pipe sizing. If a section of unlined lateral is located between two identically sized sections the larger section shall be of the same size. In no case shall a section of pipe be smaller than any downstream section located on the same lateral run.

14. The irrigation contractor shall turn over to the owner, two each of all operating keys and servicing tools needed for complete access, adjustment, and repair of all irrigation system components. This includes specialized tools required for complete disassembly of each sprinkler and valve.

15. The contractor shall notify landscape architect with any discrepancies.

16. Contractor shall obtain and pay for all licenses, permits and sales taxes applicable to this project. Contractor shall warrant the irrigation system for a period of one year from the date of final acceptance and make all needed repairs or replacements due to defective material or workmanship.

Columbian irrigation as built notes