



## **SURFACE FLOW and CONVENTIONAL IRRIGATION SPECIFICATIONS**

### **I SCOPE OF WORK**

- A. Contractor is to install a complete and efficient automatic irrigation system that provides full coverage and is ready for use. This system shall utilize the SurfaceFlow™ irrigation technology produced by Jardinier Corporation and conventional systems.
- B. Installation shall be in accordance with all local codes and requirements
- C. Installation of piping, sleeves, and electrical supply shall be coordinated with the work of other contractors.
- D. Any existing irrigation system shall be evaluated and utilized only if in good working order, compatible with new systems and approved by the owner. Refer to drawings.
- E. Contractor to obtain all permits, call for inspections as directed and obtain final approval.
- F. Jardinier engineering staff is available to assistance. 714-241-4209

### **II MATERIALS**

- A. All emitters and lateral lines shall be SurfaceFlow™, produced by Jardinier Corporation.
- B. Sprinkler Heads, refer to irrigation legend on plans or approved equal
- C. Controller shall be as indicated on plans or approved equal. Location shall be approved by owner representative.
- D. Piping shall be as follows:

Mainline - Schedule 40 P.V.C.

Jardinier Lateral Lines – Schedule 40 P.V.C with pre drilled holes

16520 Harbor Blvd. Suite F  
Fountain Valley, CA 92708  
714-241-4200 Main  
714-241-4203 Fax  
[www.jardiniercorp.com](http://www.jardiniercorp.com)

available through Jardinier Corporation  
Lateral - Conventional lines to be schedule 315  
Sleeves and Conduit - Schedule 40 P.V.C.

- E. Backflow prevention devices to be anti-siphon devices as indicated on plans or approved equal.
- F. Valves to be as indicated on Plans with wye strainer and 30 psi pressure reducer or approve equal
- G. Flush valve and air release valves to be approved
- H. Contractor's bid shall include a list of all equipment to be used.

### III INSTALLATION

- A. All emitters and heads shall be set perpendicular to finish grade as per installation detail.
- B. SurfaceFlow lateral lines to be buried 8" below grade, conventional lines to be 12" below grade. Mainline and conduit shall be buried 12" below grade. All pipes under paving shall be installed in sleeves 12" below grade.
- C. Valves shall be located in planting areas, within easy reach from walks.
- D. Points of connection shall be at the water meter to provide adequate pressure unless noted otherwise.
- E. Contractor shall flush out all lines prior to backfill and adjust valves for optimum coverage.
- G. Emitter in planter areas to remain 3" to 4" above grade, emitters in turf areas to be cut ½" below mow height after mow height has been established.
- H. All trenches to be backfilled, leveled and compacted to the same relative compaction as the natural soil. No settling of trenches will be acceptable.
- I. Contractor shall review entire system with the owner's representative and re-adjust controller watering time after planting is completed.
- J. Contractor shall prepare a controller chart, have it laminated and leave in controller compartment.

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- K. Contractor to give owners representative 48 hours notice for an open trench, coverage and final inspections
- L. All turn over items to be given to owners representative

#### IV **GUARANTEES**

Contractor to guarantee entire irrigation system as to materials and workmanship, including settling of backfilled trenches for a period of one year following final acceptance.

**End of Section**

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