



## **SURFACE FLOW 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.
- 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 owner. Refer to drawings.
- E. Contractor is 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. Controller shall be as noted on plans or approved equal. Location shall be approved by owner representative.
- C. Piping shall be as follows:

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

Mainline - Schedule 40 P.V.C.  
Lateral – Schedule 40 P.V.C with pre drilled holes available through  
Jardinier Corporation  
Sleeves and Conduit - Schedule 40 P.V.C.

- D. Backflow prevention devices to be anti-siphon devices as per plans or approved equal.
- E. Valves to be as indicated on plans with wye strainer and 30 psi pressure reducer or approve equal
- F. Flush valve and air release valves to be approved
- G. Contractor's bid shall include 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. 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 pipes 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.

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- 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.
- 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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