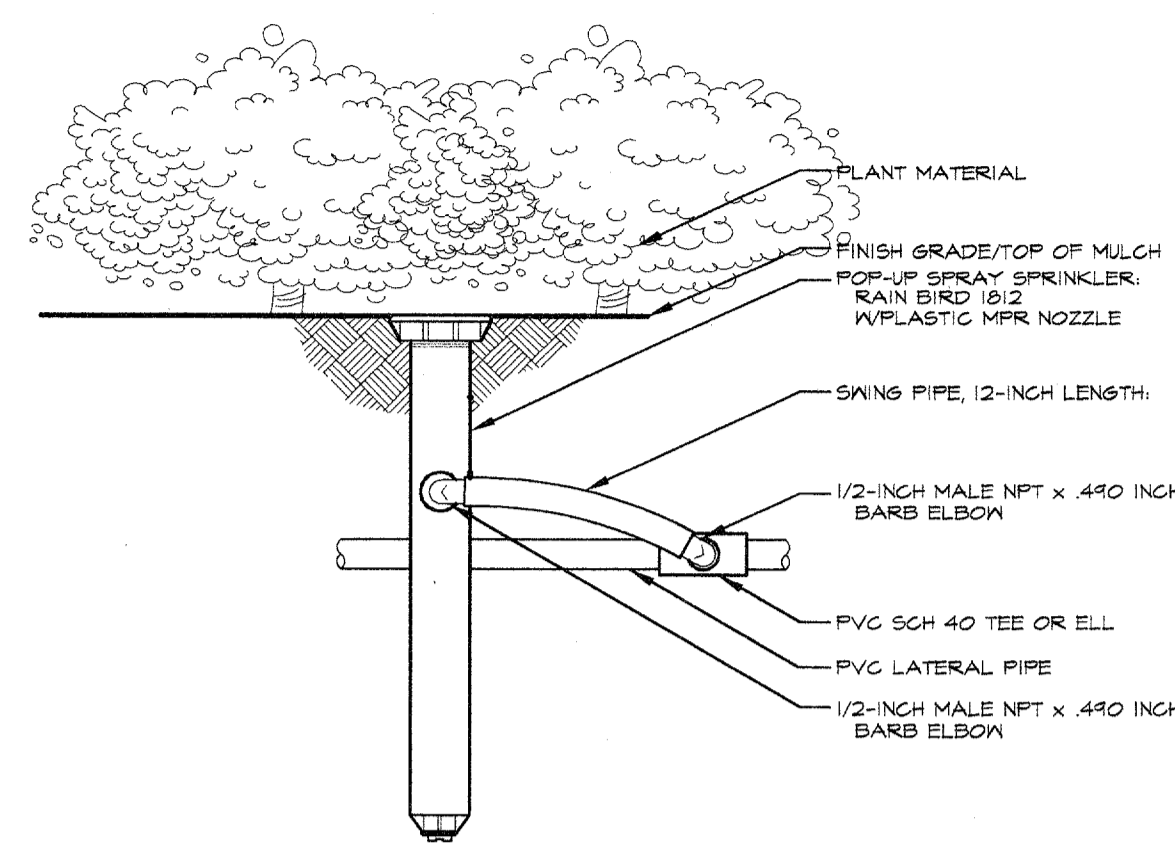
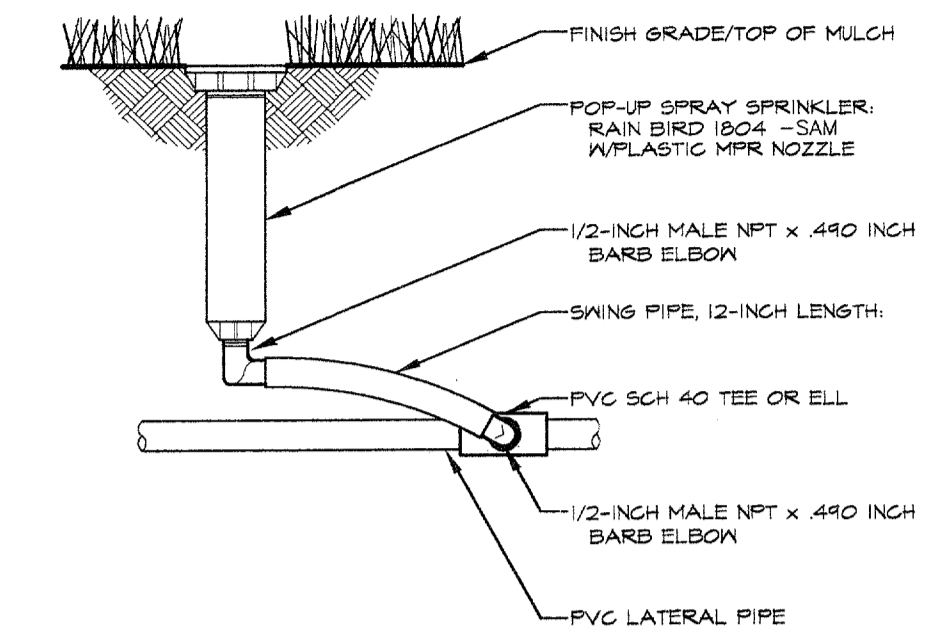


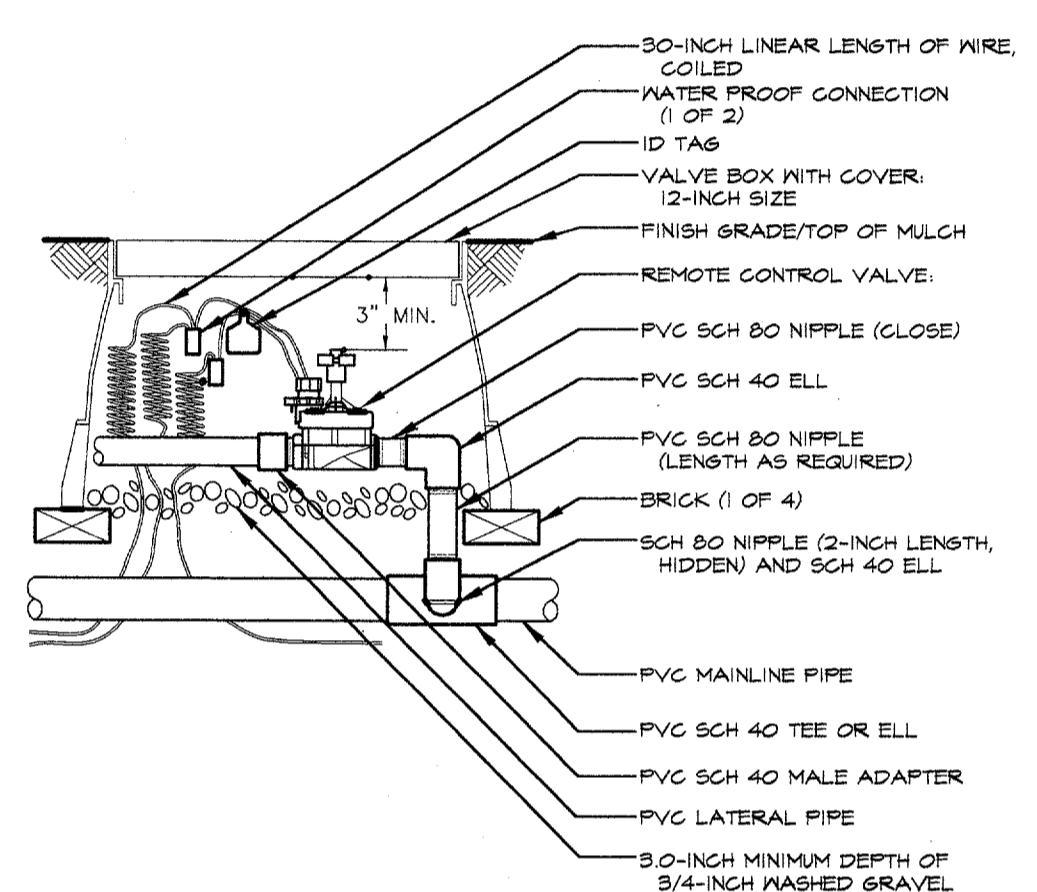
BACKFLOW PREVENTION ASSEMBLY DETAIL



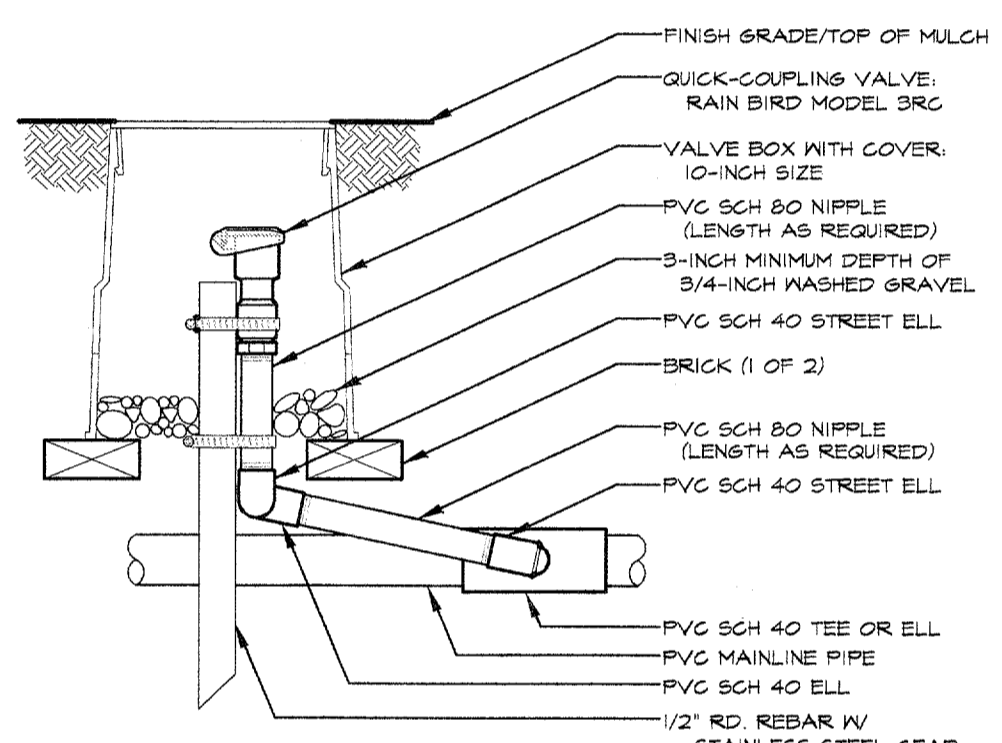
POP-UP SPRAY SPRINKLER



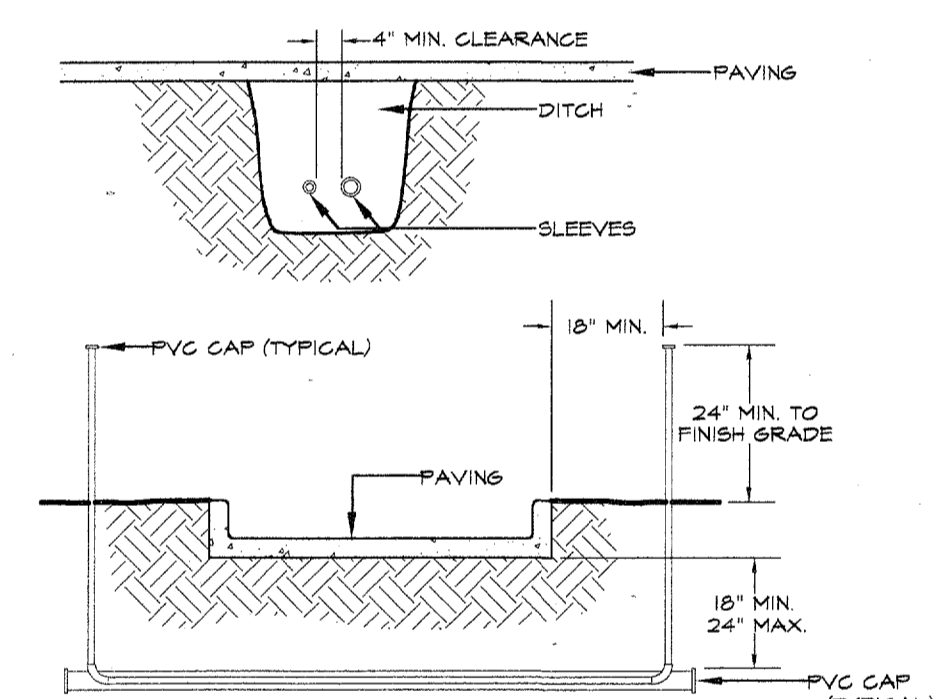
POP-UP SPRAY SPRINKLER



REMOTE CONTROL VALVE

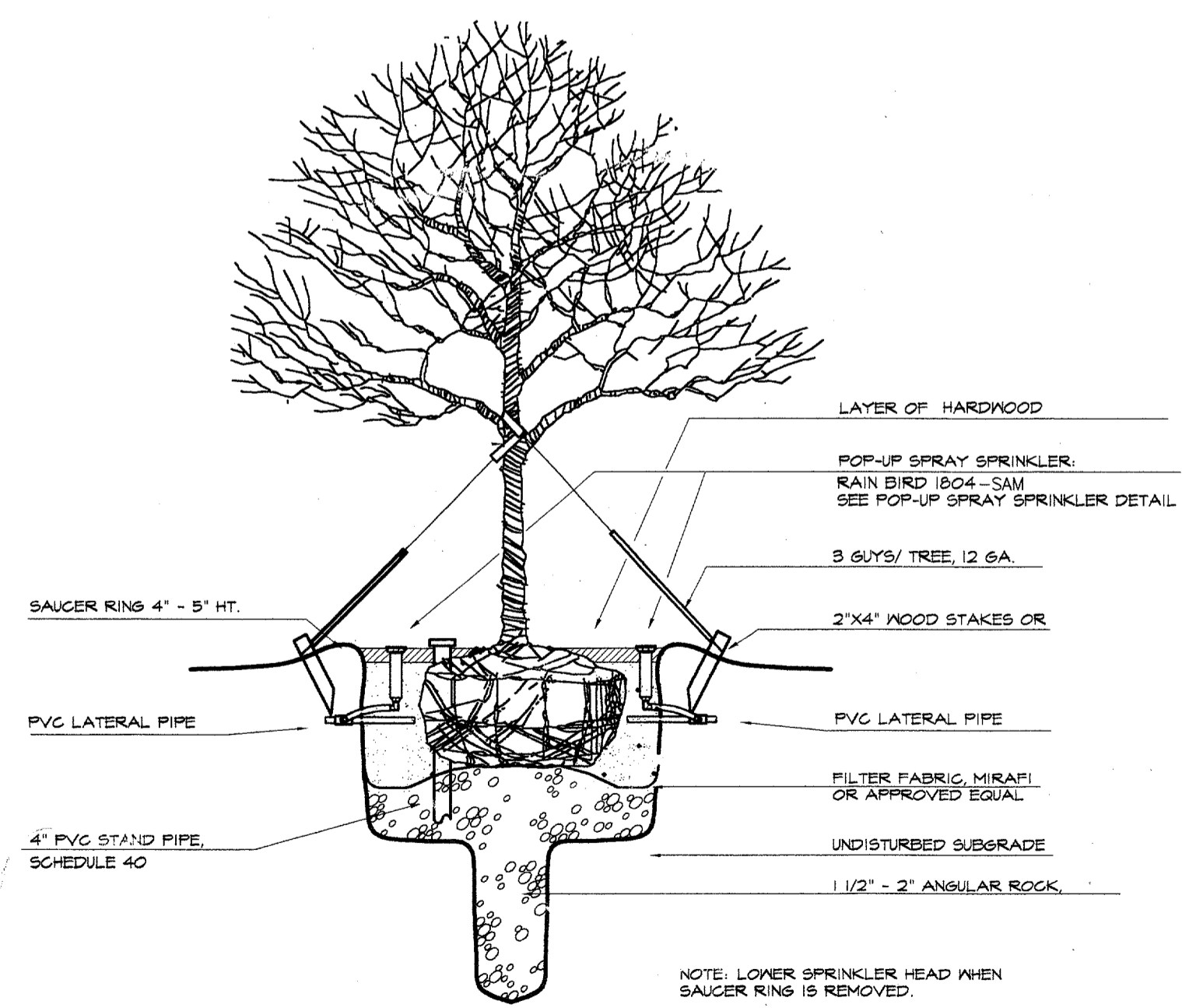


QUICK-COUPLING VALVE

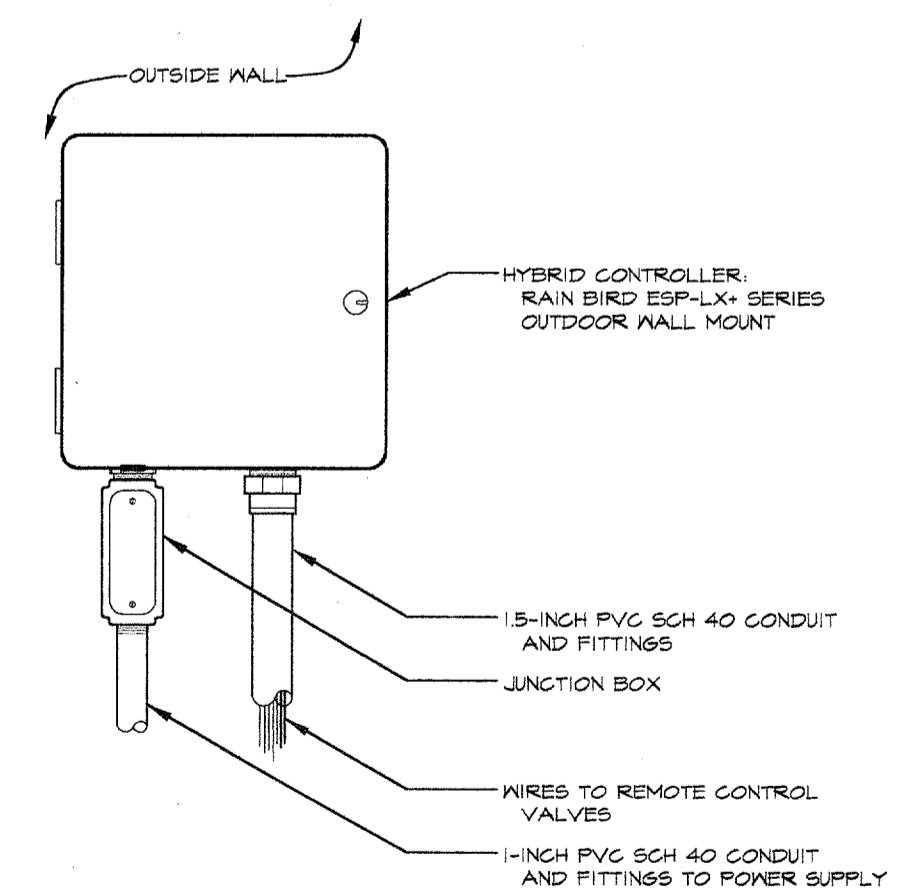


- NOTES:
1. ALL PVC IRRIGATION SLEEVES TO BE SCH 40 PIPE.
  2. ALL JOINTS TO BE SOLVENT WELDED AND WATER TIGHT.
  3. WHERE THERE IS MORE THAN ONE SLEEVE EXTEND THE SMALLER SLEEVE TO 24-INCHES MINIMUM ABOVE FINISH GRADE.
  4. MECHANICALLY TAMP TO 95% PROCTOR.

IRRIGATION SLEEVING



TREE BUBBLER DETAIL



WALL MOUNT CONTROLLER

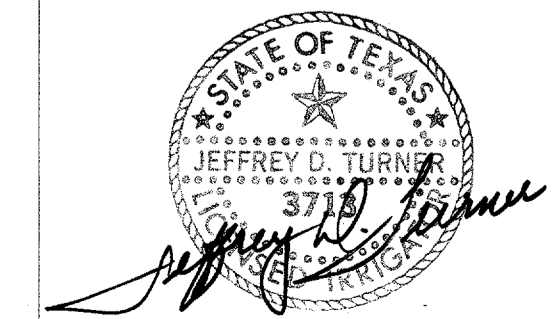
IRRIGATION SYSTEM NOTES:

1. Contractor to field verify dimensions before trenching. If any discrepancies exist, notify designer before proceeding. Any increase in costs due to alteration of the system without verification from designer, becomes the responsibility of the contractor.
2. Reference Landscape Plan and Site Plan for existing conditions. Contractor is responsible for verifying the location of all underground utilities with the proper agencies and with the General Contractor. Coordinate system installation with General Contractor.
3. Reference Landscape Planting Plan for location of existing trees, new trees, shrub and bed locations, etc....
4. Refer to manufacture specifications and plan details for proper installation procedures of specified equipment.
5. Contractor is responsible for obtaining and coordinating all permits and fees required by city and/or state codes for system installation.
6. The piping routes and remote electric valve locations are drawn diagrammatic in some areas for design clarity.
7. Coordinate sleeve installation with General Contractor. All sleeves are to be PVC Sch 40 solvent weld pipe. Size, location, and quantity are shown on the plan.
8. Refer to details for proper installation of sprinkler heads, quick coupler valves, remote electric valves, etc.... Install all heads and valve boxes perpendicular to finished grade. Compact soil firmly around all heads and valve boxes. Settle all trenches by water injection and tamping. Irrigation Contractor to be responsible for the filling of all settled trenches for one year.
9. Connect spray heads to lateral piping by use of flexible solvent weldable PVC tubing (IPS-145 solvent with primer or approved equal).
10. Flush all piping before installing shrub head nozzles, spray rotors and quick coupling valves of all debris and soil. After nozzle installation, adjust arc and spray patterns for proper coverage and operation.
11. Electrical power for controller to be installed by General Contractor to junction box at controller location (20 volt, 20 amp service). All valve wires to be UL-145 signal wire (with one color for common, and another color for valves). Extend one extra common and two extra valve wires to the last valve(s) of the system.
12. Contractor to prepare 'as built' plans clearly showing the dimension and locations of remote electric valves, quick coupler valves, sleeves, and valve wiring. Plan also to show zones operated by each valve.
13. Install lateral lines servicing sprinkler heads along street curbs 3'-0" from pavement edge.
14. Install mainline a minimum of 3'-0" from all pavement.
15. All sprinkler heads and lateral lines to be installed 1'-6" from alley pavement edge.
16. Do not install any irrigation system component within 3'-0" of a water utility.
17. Any irrigation overspray from sprinkler heads within the right-of-way is prohibited.

IRRIGATION DETAILS ARE THE COMPLIMENTS OF Rain Bird SPRINKLER MFG. CORP. CERTAIN DETAILS HAVE BEEN MODIFIED TO FIT LOCAL CONDITIONS.

**MESA**  
DESIGN GROUP  
Landscape Architecture  
Urban Design  
Landscape Planning  
3100 McKinney Street  
Suite 905, LB 152  
Dallas, Texas 75223  
(214) 871-0568 Fax: 871-1507

REV.	DATE	DESCRIPTION	DFTG.	CHECKED



DALLAS, TX

DEPARTMENT OF TRANSPORTATION  
FEDERAL AVIATION ADMINISTRATION  
SOUTHWEST REGION FORT WORTH, TEXAS

LOW ACTIVITY LEVEL  
AIRPORT TRAFFIC CONTROL TOWER  
IRRIGATION SYSTEM DETAILS  
(ADDISON AIRPORT) TEXAS

SUBMITTED: *Jason Ray* PROGRAM IMPLEMENTATION ENGINEER  
APPROVED: *Chris Collett* SUPERVISOR OF SECTION, ASW-451

DESIGNED: *Jeffrey D. Turner*  
REVIEWED: *Jeffrey D. Turner*  
ORIG. DFTG.: *Jeffrey D. Turner*  
FACILITY: *ADDISON AIRPORT*

ISSUED BY: AIRWAY FACILITIES DIVISION  
DATE: 09.22.97  
DRAWING NUMBER: ADS-ATCT-L04