



- NOTES:
1. ALL 24 VOLT LEAD AND COPPER VALVE WIRING SHALL BE A MINIMUM OF 18 AWG BARE COPPER CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SIZES SHALL BE PERMANENT AND WATERPROOF.
 2. COORDINATE INSTALLATION OF IRRIGATION SYSTEM WITH LANDSCAPE CONTRACTOR TO ENSURE ALL PLANT MATERIAL WILL BE WATERED IN ACCORDANCE WITH THE INTENT OF THE PLANS AND SPECIFICATIONS.
 3. LATERAL PIPING SHALL HAVE A MINIMUM OF 2" OF COVER. MAINLINE AND PIPING UNDER PAVING SHALL HAVE A MINIMUM OF 6" OF COVER.
 4. PIPING AND VALVES IN PAVING SHOWN FOR CLARITY. INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
 5. CONNECT LAWN SPRAY HEADS TO LATERAL PIPING WITH 1/2" FLEXIBLE PVC AND 1/2" SCH40 PVC FITTINGS AS REQUIRED. PER DETAIL. SIGNAL WIRE SHALL BE 18 AWG BARE COPPER AND PIPING TRIMMER ON THESE CONNECTIONS.
 6. CONNECT ROTARY HEADS TO LATERAL PIPE WITH LAICO "UNITIZED" O-RING RING JOINTS PER DETAIL SHOWN. (7/2) 3/4"
 7. INSTALL QUICK COUPLING VALVES IN TEN (10") INCH VALVE BOX PER DETAIL SHOWN. CONNECT QUICK COUPLING VALVES TO MAINLINE WITH 1/2" SCH40 PVC AND 1/2" SCH40 PVC FITTINGS PER DETAIL SHOWN. (7/2) 3/4" O-RING JOINTS PER DETAIL SHOWN. (7/2) 3/4" O-RING JOINTS PER DETAIL SHOWN. (7/2) 3/4" O-RING JOINTS PER DETAIL SHOWN. (7/2) 3/4" O-RING JOINTS PER DETAIL SHOWN.
 8. INSTALL REMOTE CONTROL VALVES IN TEN (10") VALVE BOXES PER DETAIL SHOWN.
 9. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH LOCAL BUILDING CODE. POWER (SERV) SHALL BE LOCATED IN AN ANCHOR BOX WITHIN FIVE (5') FEET OF CONTROLLER LOCATION BY OTHER TRADES.
 10. SLEEVES SHALL BE CLASS 200 PVC. SUEDE AS NOTED ON PLANS AND INSTALLED BY OTHER TRADES.
 11. ROUTE COPPER WIRE FROM CONTROLLER TO REMOTE SENSORS IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
 12. TEN DAYS PRIOR TO START OF CONSTRUCTION, VERIFY STATIC PRESSURE. IF STATIC PRESSURE IS LESS THAN 150 PSI, DO NOT START WORK UNTIL NOTIFIED BY OWNER. DESIGN PRESSURE IS 150 PSI.
 13. CONTRACTOR IS TO VERIFY THE LOCATION OF THE CONTROLLER AS PER THE OWNER'S REQUEST.

IRRIGATION LEGEND:

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.
●	LAWN SPRAY HEAD	WEATHERMATIC	100P 1/2" 45° 40/41 OR 4380 NOZZLES UNLESS NOTED OTHERWISE
○	BRUSH SPRAY HEAD	WEATHERMATIC	100-8 ADAPTER 1/2" 45° OR 100-8 NOZZLES OR 100-8-8 ADAPTER 1/2" 45° NOZZLE UNLESS NOTED OTHERWISE
○	LAWN CENTER	WEATHERMATIC	350 1/2" 90° NOZZLE
■	LAWN END STRIP STRIP HEAD	WEATHERMATIC	350 1/2" 90° NOZZLE
○	SMALL ROTARY PART-CIRCLE	HANTER	100P 1/2" 90° NOZZLE
⊕	SMALL ROTARY TAIL-CIRCLE	HANTER	100P 1/2" 90° NOZZLE
○	ROTARY PART-CIRCLE	HANTER	100P 1/2" 90° NOZZLE
⊕	ROTARY TAIL-CIRCLE	WEATHERMATIC	100P 1/2" 90° NOZZLE
○	QUICK COUPLING VALVE	WEATHERMATIC	100P 1/2" 90° NOZZLE
⊕	REMOTE CONTROL VALVE	WEATHERMATIC	100P 1/2" 90° NOZZLE
□	CONTROLLER	RANBIRD	RC-4C PER DETAIL
—	MAINLINE PIPING	REFER TO SPEC.	CLASS 200 PVC
—	LATERAL PIPING	REFER TO SPEC.	CLASS 200 PVC
—	BACKFLOW PREVENTER	RECO	86BY
—	WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
⊕	STATION NUMBER		
⊕	VALVE SIZE		
⊕	(BY APPROX.)		

RADIUS LEGEND:

F	360°
E	270°
D	240°
C	225°
H	180°
B	135°
A	120°
Q	90°

THIS PLAN MUST BE REVIEWED & APPROVED BY PARKS DEPT.

STATE OF TEXAS
CITY OF DALLAS
DEPARTMENT OF PARKS AND RECREATION

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REV.	DATE	DESCRIPTION	BY

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IRRIGATION PLAN			
T. F. STONE COMPANIES, INC. 13760 NOEL ROAD SUITE 100 DALLAS, TEXAS 75243			
CAD BY DELTA-JMS	ISSUED 07/09/98	SIZE	FILE NO.
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