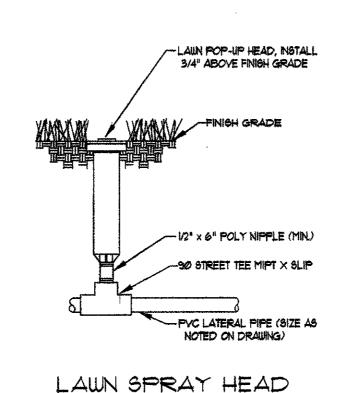


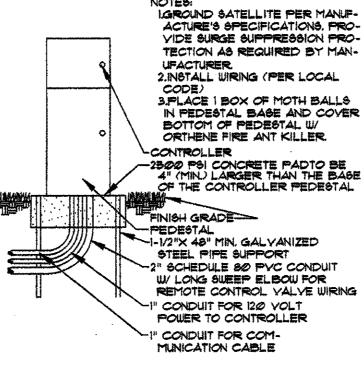
- GUICK COUPLING YALVE

TWO (2) STAINLESS STEEL WORM GEAR CLAMPS

/-6" VALVE BOX EXTENSIONS

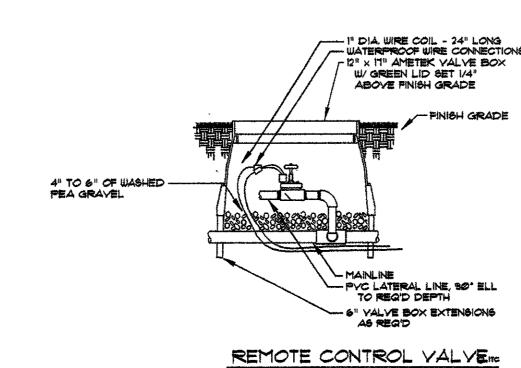
AS REQ'D -3/4" SCH 80 NIPPLE TO SCH. 40 FITTINGS

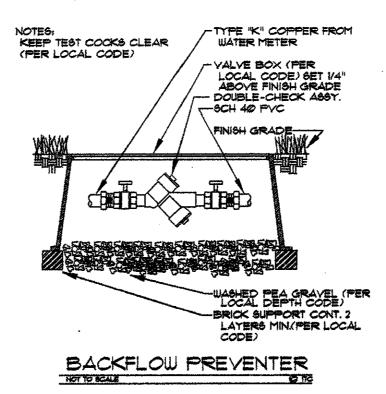


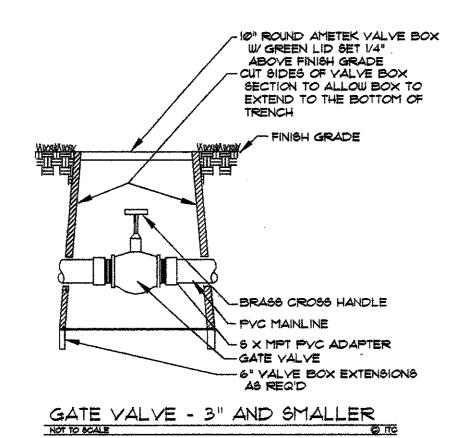




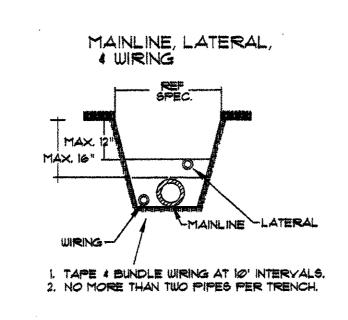
NOT TO SCALE



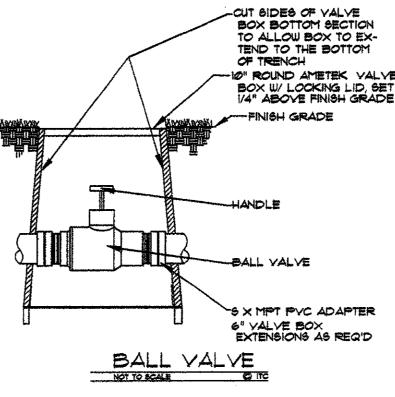


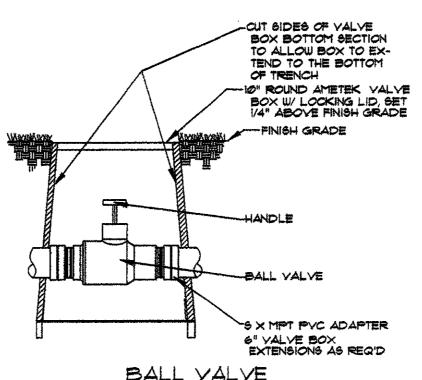


QUICK COUPLING VALVE



TRENCHING DETAIL NOT TO SCALE © ITC



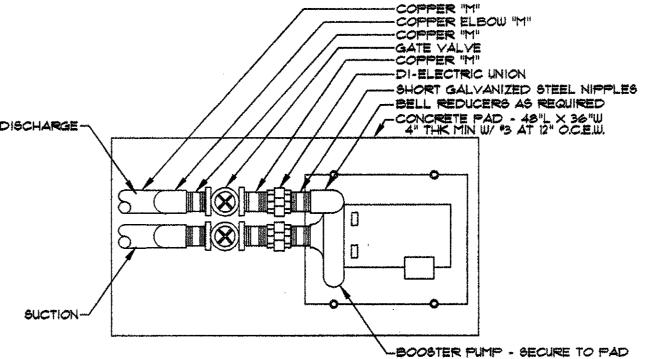


SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO,
•	LAUN SPRAY HEAD	TORO	570Z-4P SERIES W/ 15F, 15H, OR 15Q UNLESS NOTED OTHERWISE
Ø	LAWN CENTER STRIP HEAD	TORO	570Z-12P SERIES W/ 15F, 15H, OR 15Q UNLESS NOTED OTHERWISE
•	TREE GRATE BUBBLER HEAD	TORO	COPPER W/ 6B-PC NOZZLE UNLESS NOTED OTHERWISE
•	SMALL ROTARY PART-CIRCLE	HUNTÈR	PGP W/ 17 NOZZLE
$\oplus$	SMALL ROTARY FULL-CIRCLE	HUNTER	PGP W/ "IØ NOZZLE
Φ	ROTARY PART-CIRCLE	HUNTER	PGP W/ 40 NOZZLE
•	ROTARY FULL-CIRCLE	HUNTER	PGP W/ #2 NOZZLE
	QUICK COUPLING VALVE	West Ag	YØ75
101	REMOTE CONTROL	WEATHER MATIC	*10000 SERIES, REFER TO PLAN FOR SIZ

	SMALL ROTARY PART-CIRCLE	HUNTER	PGP W/ *7 NOZZLE
	SMALL ROTARY FULL-CIRCLE	HUNTER	PGP W/ MØ NOZZLE
	ROTARY PART-CIRCLE	HUNTER	PGP W/ MØ NOZZLE
	ROTARY FULL-CIRCLE	HUNTER	PGP W/ #2 NOZZLE
	QUICK COUPLING VALVE	WEST AG	VOTS
	REMOTE CONTROL YALVE	WEATHER MATIC	*10000 SERIES, REFER TO PLAN FOR SIZE
	CONTROLLER	RAINMASTER	EVOLUTION DX-2 STAINLESS STEEL
•	MAINLINE PIPING	REFER TO SPEC.	SCH. 40 PVC
	LATERAL PIPING	REFER TO SPEC.	6CH. 40 PVC
	BACKFLOW PREVENTER	WATTS	*001 SERIES
	NEW WATER METER	REFER TO SPEC.	PER LOCAL BUILDING CODE
	NEW VASUES YELVE GPM (APPROX) STATION NUMBER	WEATHER MATIC	*1000 SERIES, REFER TO PLAN FOR SIZE

HAVE A MAXIMUM OF 16" OF COVER.

- I. ALL 24 VOLT LEAD AND COMMON VALVE WIRING SHALL BE A MINIMUM OF UF-14 GA. SINGLE CONDUCTOR. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR PROPER WIRE SIZE. WIRE SPLICES SHALL BE PERM-ANENT 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 12" OF COVER MAINLINE AND PIPING UNDER PAYING SHALL
- 4. PIPING AND VALVES IN PAVING SHOWN FOR CLARITY, INSTALL IN ADJACENT PLANTING BED OR LAWN AREA.
- 5. CONNECT LAWN 9PRAY HEADS TO LATERAL PIPING WITH 1/2" FLEXIBLE PVC AND 1/2" SCH. 40 PVC FITTINGS AS REQUIRED, PER DETAIL SHOWN, USE WELD-ON \* 795 SOLVENT AND \*P-68 PRIMER ON THESE CONNECTIONS.
- 6. INSTALL QUICK COUPLING YALVES ON TEN (IO") INCH AMETEK YALVE BOX PER DETAIL SHOWN, CONNECT QUICK COUPLING YALVES TO MAINLINE PIPE WITH LASCO "UNITIZED", O-RING SWING JOINTS PER DETAIL SHOWN, \*T722-312. SUPPLY OWNER WITH THREE (3) COUPLER KEYS WITH SWIVEL HOSE BIBE, \*33DK AND \*10 RESPECTIVELY.
- 1. INSTALL REMOTE CONTROL VALVES IN TEN (10") INCH AMETEK VALVE BOXES PER DETAIL SHOWN.
- 8. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH LOCAL BUILDING CODE. POWER (120Y) SHALL BE LOCATED IN A JUNCTION BOX WITHIN FIVE (5") FEET OF CONTROLLER LOCATION BY OTHER TRADES.
- 9. ROUTE COMMON WIRE FROM CONTROLLER TO REMOTE SENSORS IN SERIES PRIOR TO CONNECTING TO REMOTE CONTROL VALVES.
- 10. THE BOOSTER PUMP SHOULD PRVIDE 800 TO 850 PSI ON THE DISCHARGE SIDE. THE DESIGN PRESSURE IS 700 PSI. 11. PLANS ARE DIAGRAMMATIC AND FIELD ADJUSTMENTS MAY BE NECESSARY. PRIOR TO TRENCHING, HEAD LAYOUT WITH FLAGS NEEDS TO BE DONE AND LOCATIONS APPROVED BY TOWN'S REP.
- AND REMOTE CONTROL VALVES. REFER TO MATT SWOR WITH LONGHORN FOR QUESTIONS RELATING TO SPECIFIED EQUIPMENT. 12. L.I.C. TO PROVIDE ALL NECESSARY HARDWARE AND LABOR FOR INSTALLATION OF IRRIGATION CONTROLLER
- 13. TOWN OF ADDISON SPECIFICATIONS SUPERCEDE ANY ALL OTHERS NOTES AND DETAILS.
- 14. CONTRACTOR TO HAND DIG IRRIGATION DITCHES WIHTIN THE TREE BALL ROOT ZONE. 15. TWO ZONES ARE REQUIRED TO OPERATE SIMULTANEOUSLY FOR AN ADEQUATE WATER WINDOW.



1. INSTALL BOOSTER PUMP- BERKELEY END SUCTION CENTRIFUGAL 15HP., THREE PHASE, 208 VOLT 3450 RPM, ODO MOTOR. FOR INFORMATION CONTACT TEXAS PUMP AND SUPPLY COMPANY, 10760 SHADY TRAIL, SUITE 300, DALLAS, TEXAS 75220, (214)351-1942. 2. ALL PIPING ABOVE GRADE AND WITHIN 48" OF PUMP PAD TO BE COPPER TYPE "M". 3. INSTALL FPT TEE ON DISCHARGE LINE APPROXIMATELY 24" FROM PUMP SLAB FOR FLOW SWITCH PER MANUFACTURERES RECOMMENDATION. DO NOT USE REDUCER BUSHINGS. 4. INSTALL WATTS FLOW SWITCH FS20 IN THIS TEE AND WIRE TO 286P-24-24-TD-CPT SPRINKLER PACK INSTALL IN II" × IT" VALVE BOX.

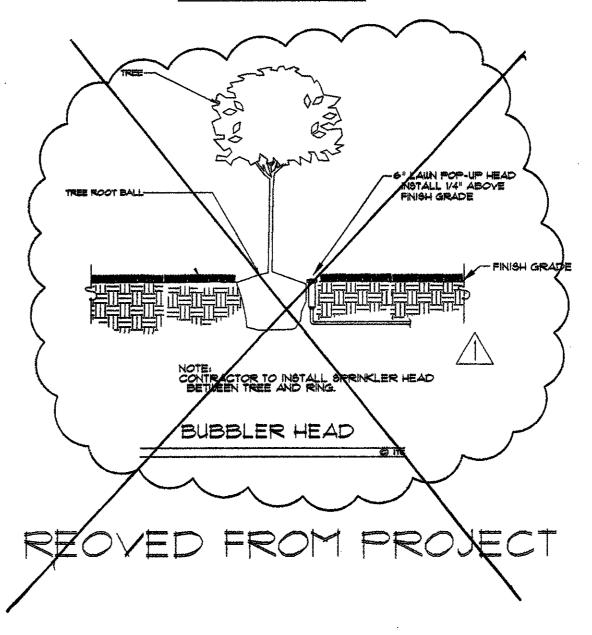
5. INSTALL I.E.C. SPRINKLER PACK IN A NEMA ENCLOSURE. INSTALL FLOW SWITCH AND PUMP STARTER ON

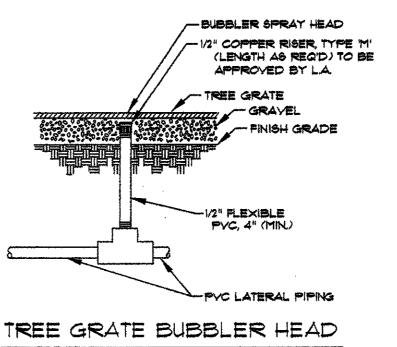
6. INSTALL THE WELDED STEEL HOUSING WITH BASE COAT OF GRAY PAINT AND FINISH COAT OF BLACK

PAINT, HOUSING SHALL BE 36" X 24" X 24" WITH FOUR VENTS, (TEXAS PUMP) 1. PROVIDE HEAT TAPE AROUND EXPOSED PIPING AND PUMP HEAD. COVER PIPE AND HEAT TAPE WITH FIBERGLASS INSULATION WITH FOIL SIDE OUT. SECURE WITH FOIL TAPE.



AUTOMATOIC CONTROLLER TO BE WIRED IN SERIES.





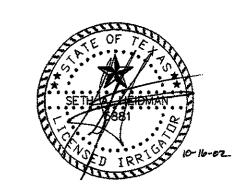
Interdisciplinary Design

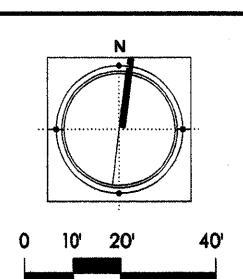
64 Pleasant Street, Watertown, Massachusetts 02472 USA 

ADDENDUM 2 10-21-02 ISSUED FOR CONSTRUCTION 09-30-02

DWG ISSUE & REVISION HISTORY

Stamp





Project Title:

**ADDISON ARTS & EVENTS DISTRICT** ADDISON, TEXAS

Drawing Title:

Drawing No.

IRRIGATION **DETAILS** 

Project No. 14516.00 Scale: 1"=20'-0" Drawn By: SAH Checked By: SAH

Approved By: SAH Date: September 30, 2002

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