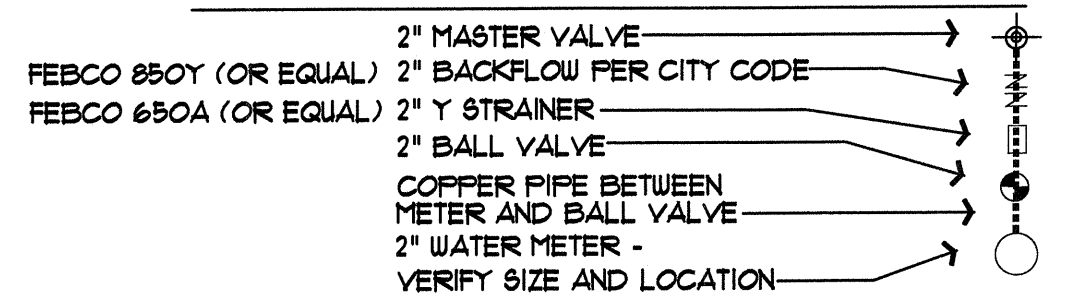


**IRRIGATION LEGEND**

- WEATHERMATIC LX 4" POP-UP/LAWN HEAD
- WEATHERMATIC 100 SERIES SHRUB HEAD
- WEATHERMATIC TURBO ROTARY HEAD PC
- WEATHERMATIC TURBO ROTARY HEAD PC
- ⊗ WEATHERMATIC #106 BUBBLER
- ⊕ WEATHERMATIC #1000 SERIES ELECTRIC VALVE
- ▲ WEATHERMATIC QV7BL QUICK COUPLER
- CONTROLLER
- WATER METER (AS SIZED)
- ⊖ BACKFLOW PREVENTER (AS SIZED)
- CLASS 200 PVC LATERAL PIPING
- CLASS 200 PVC MAINLINE
- SCH. 40 PVC SLEEVING
- VALVE SIZE GPM
- DRIP TUBING - LAWN (18" LATERAL SPACING, 12" EMITTER SPACING) PVC LATERAL PIPING SIZED AS REQUIRED. INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS. NETAFIM TECHLINE CV (OR EQUAL).
- DRIP TUBING - PLANTING BEDS (18" LATERAL SPACING, 12" EMITTER SPACING) PVC LATERAL PIPING SIZED AS REQUIRED. INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS. NETAFIM TECHLINE CV (OR EQUAL).
- NETAFIM DISC FILTER #D100-080 (OR EQUAL) NETAFIM PRESSURE REGULATOR #RV18025 (OR EQUAL). INSTALL ALL EQUIPMENT ACCORDING TO MANUFACTURERS SPECIFICATIONS.
- ALL IRRIGATION EQUIPMENT TO BE LOCATED NO CLOSER THAN 4" TO ANY PAVEMENT AND/OR STRUCTURE

**METER DETAIL**



**IRRIGATION NOTES**

1. All equipment numbers reference Weathermatic equipment catalog unless otherwise indicated.
2. LAWN SPRAY HEADS are LX 4" (or equal) installed as per detail.
3. ELECTRIC CONTROL VALVES shall be #1000 (or equal) installed as per detail shown. Size valves as shown on plans. Valves shall be installed in valve boxes large enough to permit manual operation, removal of solenoid and/or valve cover without any earth excavation.
5. QUICK COUPLING VALVES shall be QV7BL with a 3/8" Spears isolation ball valve (SE-2-0803) installed upstream. Swing joints shall be constructed using 3/4" Sch. 80 elbows. Contractor shall supply owner with three (3) CHTB couplers and three (3) 1/2" SCHL swivel hose ends as part of this contract. Quick coupler valve to be secured with a re-bar stake and clamp.
6. AUTOMATIC CONTROLLER shall be installed at location shown. Power (120V) shall be located in a junction box within five feet (5') of controller location by other trades.
7. All 24 volt valve wiring is to be UF 14 single conductor. All wire splices are to be permanent and waterproof.
8. SLEEVES shall be installed by General Contractor. Sleeve material shall be Schedule 40. Sizes as indicated on plans.
9. Ten days prior to start of construction, contractor shall verify static water pressure. If static pressure is less than 65 PSI, do not start work until notified to do so by owner.
10. All mainline and lateral piping shall have a minimum of 12 inches of cover. All piping under paving shall have a minimum of 18 inches of cover.
11. The irrigation contractor shall coordinate installation of the system with the landscape contractor so that all plant material will be watered in accordance with the intent of the plans and specifications.
12. The irrigation contractor shall select the proper arc and radius for each nozzle to insure 100% and proper coverage of all lawn areas and plant material. No water will be allowed to spray on building or any hard surface.

**SMARTLINE CERTIFIED DESIGN**

THIS IRRIGATION DESIGN FEATURES SMARTLINE CONTROLLER AND WEATHER MONITOR TECHNOLOGY AND UTILIZES ET BASED WATER CONSERVATION AUTO ADJUST SCHEDULING. THE IRRIGATION CONTRACTOR MUST PROGRAM THE CONTROLLER BY SELECTING THE PROPER SPRINKLER TYPE, PLANT TYPE, SOIL TYPE, SLOPE AND SUN OR SHADE SETTINGS FOR EACH ZONE. THE IRRIGATION CONTRACTOR MUST CONTACT THE IRRIGATION DESIGNER (JOHN WINGFIELD 972-238-1498) FOR APPROVAL OF CONTROLLER SETTINGS. ALL CONTROLLER EQUIPMENT MUST BE INSTALLED AS SPECIFIED AND NO EQUIPMENT SUBSTITUTIONS WILL BE PERMITTED.

**IRRIGATION SYSTEM**

The high efficiency irrigation designed for this site will meet the following conditions for LEED CERTIFICATION:

- Irrigation system with head-to-head coverage
- Install central shut-off valves
- Use drip irrigation for 50% of planting beds
- Create separate zones for each type of bedding
- Install timer or controller for each watering zone
- Install pressure regulating devices
- Install moisture sensor or rain delay controller and
- Third-party inspection

ELECTRICAL SPLICES AT EACH VALVE AND CONTROLLER ONLY.  
IRRIGATION IN TEXAS IS REGULATED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) MC-118/ P.O. BOX 13087, AUSTIN, TX 78711-3087. TCEQ'S WEBSITE IS: www.tceq.state.tx.us

DESIGN PRESSURE IS 60 PSI

REFERENCE SHEET 45 FOR IRRIGATION SPECS AND DETAILS

File Name: Keller Springs Irrigation.dwg  
Plot Date: 10/21/2011 - 02:38pm

**ENVIRO DESIGN**  
LANDSCAPE ARCHITECTURE  
SITE PLANNING  
7424 Greenville Ave., Suite 200 Dallas, TX 75231 (214) 987-3010

REVISIONS

**Keller Springs Lofts**  
EMBREY PARTNERS, LTD  
ADDISON, TEXAS

SCALE  
1" = 20'-0"

DATE  
19 AUG 2011

TITLE  
IRRIGATION

SHEET  
3S OF 4

