

CONSULTANTS:

CIVIL ENGINEER:
McCLELLAND CONSULTING
ENGINEERS INC.

LANDSCAPE ARCHITECT:
LARSON BURNS AND SMITH, INC.

STRUCTURAL ENGINEER:
CROMWELL ENGINEERS INC.

MECH., ELEC., PLUMB. ENGINEER:
CROMWELL ENGINEERS INC.

GLOBAL VILLAGE CONSULTANT:
CAMBRIDGE SEVEN ASSOCIATES

INTERIOR DESIGNER:
POLK STANLEY ROWLAND
CURZON PORTER ARCHITECTS

GENERAL CONTRACTOR:
CDI CONTRACTORS, INC.

NOTES:

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ISSUE DATE:
17 SEPTEMBER 2007

REVISIONS:

#	DATE	DESCRIPTION

**MURPHY KELLER
EDUCATION CENTER**

**HEIFER
INTERNATIONAL
CENTER**

LITTLE ROCK, ARKANSAS

PSRCP JOB NUMBER:
431E

CONTENTS:
COMMONS AND THIRD
STREET EXTENSION
IRRIGATION PLAN
SHEET NUMBER:

L301

QUANTITIES ARE SHOWN FOR CONVENIENCE ONLY. IT SHALL BE THE IRRIGATION CONTRACTOR'S RESPONSIBILITY TO CALCULATE ALL MATERIALS NECESSARY FOR A COMPLETE IRRIGATION SYSTEM.

IRRIGATION LEGEND

- 2 ⊙ RAINBIRD XCZ-100COM 1" DRIP ZONE VALVE ASSY.
- 10 ⊙ RAINBIRD 100PEB 1" ZONE VALVE W/FLO CONTROL
- 1 ⊙ RAINBIRD LXM-DTC-PR SATELLITE CONTROLLER FOR IQ - CENTRAL CONTROL SYSTEM
- 2 ⊙ RAINBIRD 3RC QUICK COUPLING VALVE (PROVIDE 2 KEYS)
- 31 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/8Q NOZZLE
- 14 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/8H NOZZLE
- 43 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/12VAN NOZZLE
- 5 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/15VAN NOZZLE
- 5 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/18VAN NOZZLE
- 11 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/15SST NOZZLE
- 2 ⊙ RAINBIRD 1804-PRS POP-UP TURF SPRAY W/15LCS NOZZLE

- 2 ▷ RAINBIRD 3504 POP-UP TURF ROTOR W/75 NOZZLE
- 4 ▷ RAINBIRD 3504 POP-UP TURF ROTOR W/1.5 NOZZLE
- 17 ▷ RAINBIRD 5004 POP-UP TURF ROTOR W/1.0LA NOZZLE
- 27 ▷ RAINBIRD 5004 POP-UP TURF ROTOR W/2.0LA NOZZLE
- 7 ▷ RAINBIRD 5004 POP-UP TURF ROTOR W/3.0LA NOZZLE

- _____ SCH40 PVC MAINLINE PIPING
- _____ CLASS 200 PVC LATERAL PIPING
- _____ POLYETHYLENE DRIP TUBING (RAINBIRD LD-06-18)
- _____ SLEEVING (2" - 4" = SCH40 PVC)

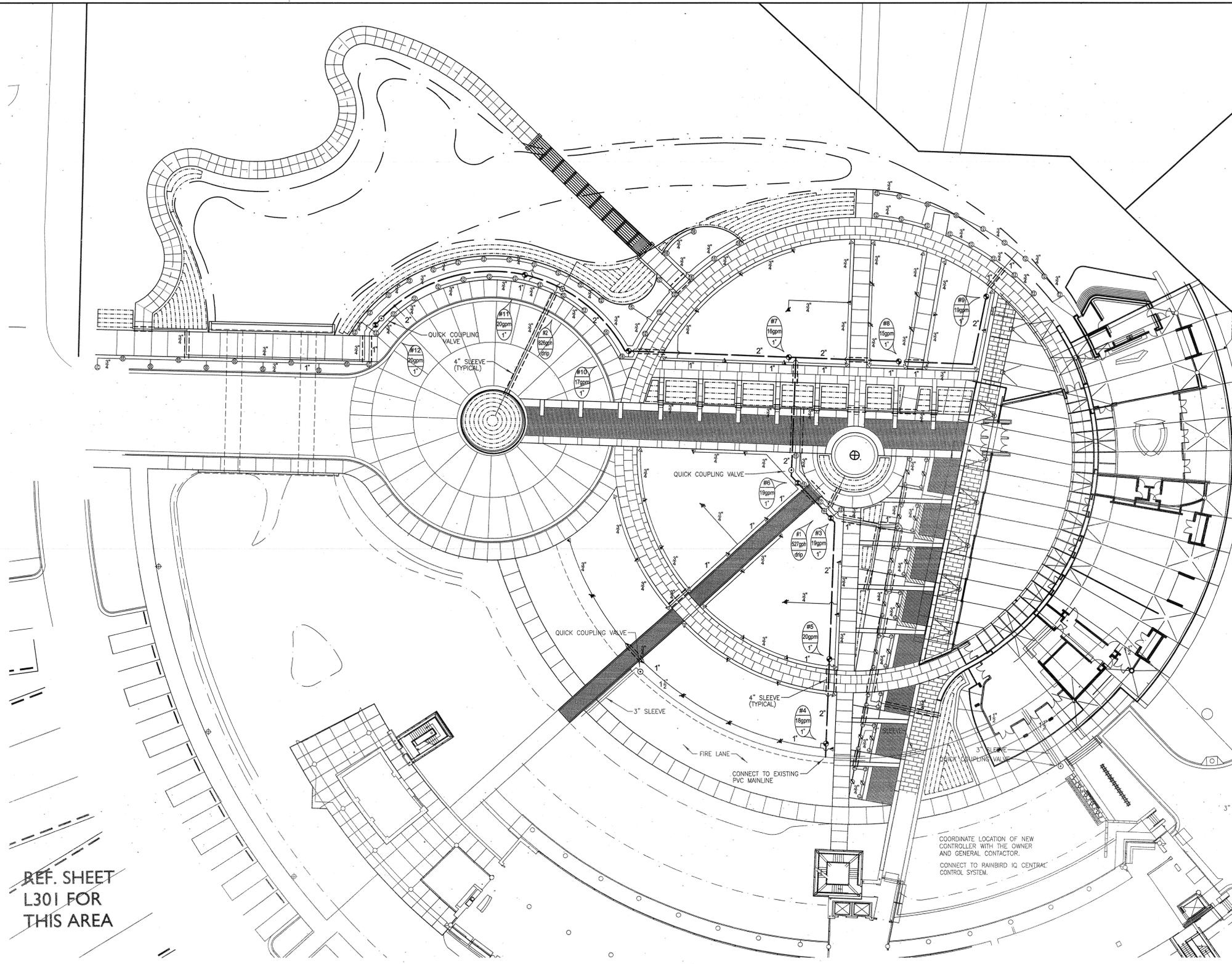
GENERAL NOTES

1. IRRIGATION CONTRACTOR SHALL INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S CURRENT SPECIFICATIONS AND RECOMMENDATIONS.
2. IRRIGATION CONTRACTOR SHALL VERIFY A MINIMUM DYNAMIC WATER PRESSURE OF 50psi WITH A FLOW RATE OF 20gpm AT THE POINT-OF-CONNECTION PRIOR TO INSTALLATION. IRRIGATION CONTRACTOR SHALL NOTIFY ARCHITECT IF WATER PRESSURE IS LESS THAN OR SIGNIFICANTLY HIGHER THAN NOTED.
3. COORDINATE EXACT LOCATION OF POINT-OF-CONNECTION WITH THE ARCHITECT AND GENERAL CONTRACTOR.
4. COORDINATE EXACT LOCATION OF CONTROLLER WITH THE ARCHITECT AND GENERAL CONTRACTOR.
5. WHEN TRENCHING UNDER THE DRIPLINE OF EXISTING TREES EXTREME CARE MUST BE GIVEN TO AVOID ROOT DAMAGE. IF AT ALL POSSIBLE AVOID TRENCHING INSIDE THE DRIPLINE BY GOING AROUND THE TREE RATHER THAN UNDER IT. IF TRENCHING MUST OCCUR UNDER THE DRIPLINE, USE EITHER TUNNELING OR HAND-DIGGING METHODS RATHER THAN A MECHANICAL TRENCHER. MINIMIZE THE IMPACT OF ROOT SEVERING BY AVOIDING CONSTRUCTION DURING HOT, DRY WEATHER, KEEPING TREES WELL WATERED BEFORE AND AFTER DIGGING AND COVERING ROOTS WITH SOIL OR MULCH AS SOON AS POSSIBLE.
6. IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES CAUSED TO ALL UTILITIES (BOTH OVERHEAD AND BELOW GROUND) DURING THE IRRIGATION INSTALLATION. IRRIGATION CONTRACTOR SHALL SEEK THE ASSISTANCE OF LOCAL UTILITIES AND THE OWNER IN THE LOCATION OF THE UTILITIES PRIOR TO PERFORMING TRENCHING OPERATIONS IN THE WORK AREA.
7. THE IRRIGATION DESIGN IS DIAGRAMMATIC. THE INTENT OF THE DRAWINGS IS TO SHOW THE GENERAL LAYOUT AND LOGIC OF THE SYSTEM. SCALED MEASUREMENTS MAY NOT BE ACCURATE. ACTUAL LOCATIONS AND QUANTITIES OF PIPE AND FITTINGS MAY VARY DUE TO FIELD ADJUSTMENTS FOR EXISTING CONDITIONS AND OTHER OBSTRUCTIONS TO PROVIDE THE PROPER AND INTENDED COVERAGE.
8. ALL MAINLINE SHALL BE SCH40 PVC. ALL LATERAL PIPING SHALL BE CLASS 200 PVC PIPING. ALL PVC FITTINGS SHALL BE PVC TYPE 1 AND MUST BE OF DOMESTIC MANUFACTURE. PVC SOLVENT CEMENT AND PRIMER SHALL BE AS RECOMMENDED / APPROVED BY THE MANUFACTURER OF THE PIPE.

SLEEVING NOTES

1. ALL SLEEVING SHALL BE PROVIDED BY THE GENERAL CONTRACTOR.
2. ALL SLEEVING PROVIDED FOR THE IRRIGATION SYSTEM TO BE SIZED AS NOTED ON THE PLAN.
3. ALL SLEEVING TO BE BURIED A MIN. OF 18" AND A MAX. OF 24" BELOW THE FINISHED GRADE. ENDS OF SLEEVES SHALL EXTEND 12" PAST THE EDGES OF ALL PAVING AND CURBS AND BE CLEARLY MARKED FOR FUTURE USE BY THE SPRINKLER SYSTEM CONTRACTOR.

REF. SHEET
L301 FOR
THIS AREA



COMMONS - THIRD STREET EXTENSION IRRIGATION PLAN
SCALE: 1"=20'-0"

