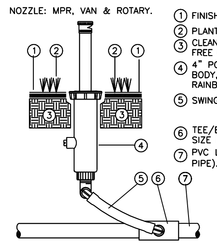
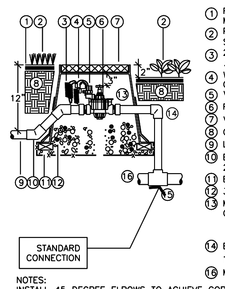


INSTALL POPUP SPRAY SPRINKLER 4" FROM PAVED EDGE, BUILDINGS AND FENCE AREAS, AND INSTALL FLUSH TO GRADE. ADJUST COVERAGE TO AVOID OVERSPRAY ONTO PAVED SURFACES, FENCES, BUILDINGS AND PARKING LOTS.

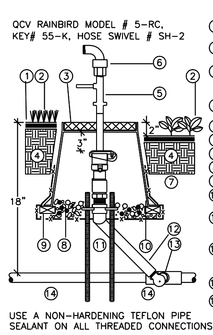
USE ONLY TEFLON TAPE OR SEALANT ON ALL THREADED CONNECTIONS.

1 RAINBIRD RD04P30F 4" POP UP
NTS SECTION



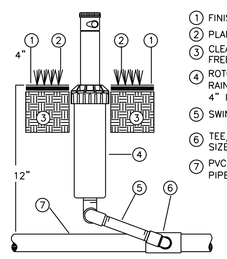
NOTES:
INSTALL 45 DEGREE ELBOWS TO ACHIEVE CORRECT DEPTH. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS. MAINLINE DEPTH IS 18" COVER OVER "TOP" OF PVC PIPE.

2 RAINBIRD PGA ELECTRIC VALVE
NTS SECTION



USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.

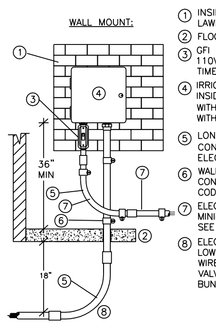
3 RAINBIRD QUICK COUPLER VALVE
NTS SECTION



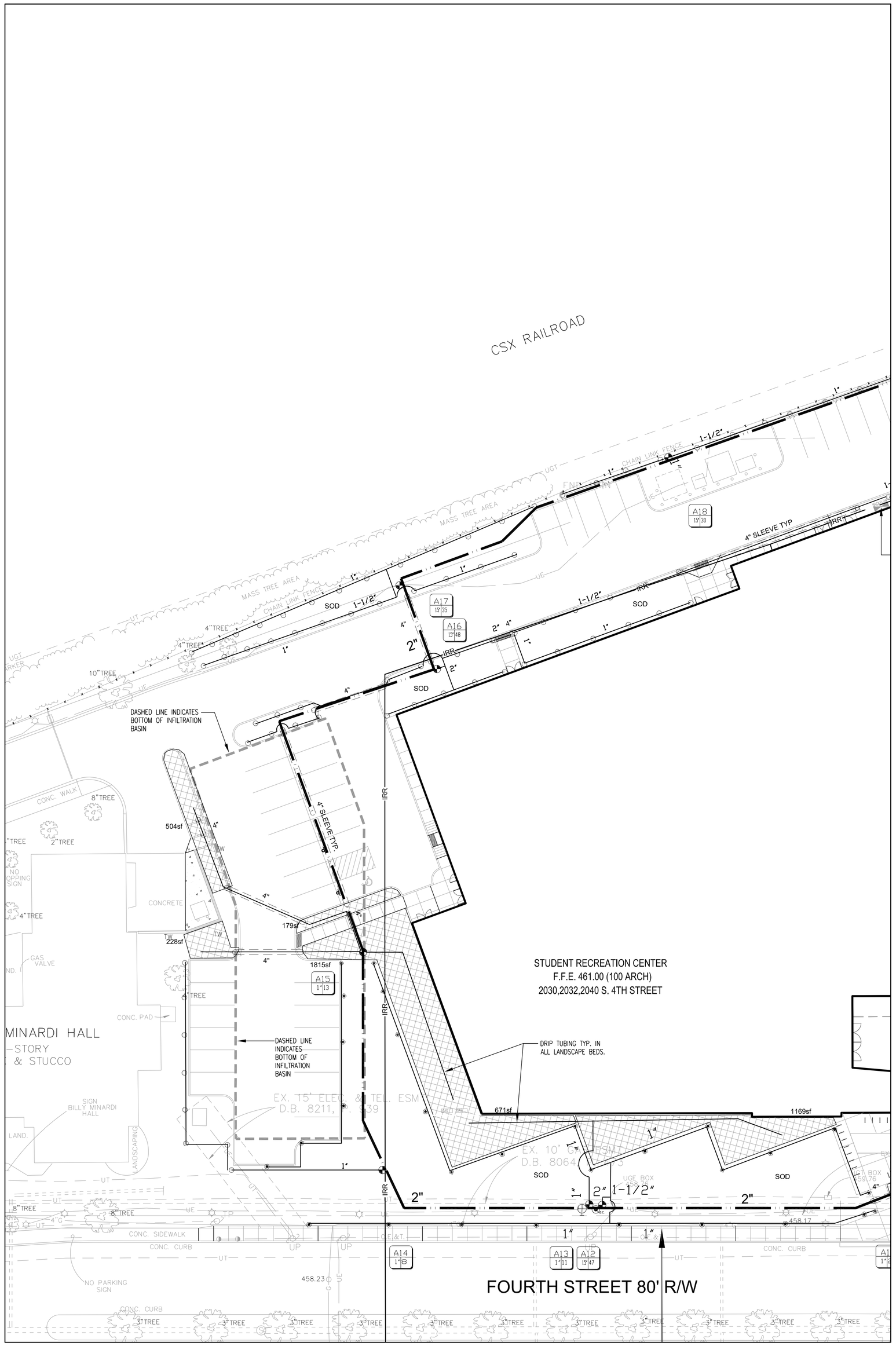
INSTALL POPUP ROTOR SPRINKLER 4" FROM PAVED EDGE, BUILDINGS AND FENCE AREAS, AND INSTALL FLUSH TO GRADE. ADJUST COVERAGE TO AVOID OVERSPRAY ONTO PAVED SURFACES, FENCES, BUILDINGS AND PARKING LOTS.

USE ONLY TEFLON TAPE OR SEALANT ON ALL THREADED CONNECTIONS.

4 RAINBIRD 5004-PRS ROTOR
NTS SECTION



5 CONTROLLER INSTALLATION
NTS SECTION



SITE IRRIGATION PLAN

SCALE: 1"=20'-0"

0 10 20 40

IRRIGATION LEGEND

- 2" PVC Class 200 Mainline
- PVC Class 200 Lateral pipe, Size as noted on plans
- Sch 40 PVC Sleeving
- 233 sq ft — Rainbird XFD SI Dripline, .6 gph emitters at 18" spacings
- A — ~~Rainbird ESP-LXM with SMRTY WEATHER STATION Controller~~
  ADDENDUM #3; ITEM #17 DATED 3-08-2012 — **Rainbird ESP LXME with ET Cartridge and LIMR kit or an approved equal controller and remote. Controller shall be in an exterior, weatherproof, lockable box. WEATHER STATION Controller**
- WEATHER STATION
- Rainbird 1" PGA-100 Electric Valve
- Rainbird 1.5" PGA-150 Electric Valve
- Rainbird RD04P30F 1804 4" pop up spray w/30 psi regulator and flow shield use 12'and 15' HE-VAN nozzles when possible, 8', 10', est and sst as needed
- Rainbird RD04P30F 1804 4" pop up spray w/30 psi regulator and flow shield with rotator nozzles
- Rainbird 3504 mini rotor
- Rainbird 5004-PRS rotor W/ MPR nozzles
- Rainbird 5004-PRS rotor W/ LA nozzles
- Rainbird 5500 Large Rotors with pressure regulating swing joints set at 60 psi.
- Rainbird 5RC 1" Quick Coupler Valve
- Manual Valve used for shut off, line sized
- A3 1"30 — Zone Station Number; Valve Size; GPM

GENERAL IRRIGATION SPECIFICATIONS

1. The irrigation system is diagrammatic based upon the information provided by the owner or the owner's representative. The successful contractor is responsible to install a system that will properly cover all areas indicated on the design. Actual layout of piping, sprinkler heads, valves, controllers and other related equipment shall be determined on site. Minor field changes shall be made at no additional cost to the owner.

It is the responsibility of the irrigation contractor to be familiar with all grade differences, locations of walls, structures and utilities and make the necessary adjustments to accommodate the irrigation system as shown on the drawings. There may be times when it is obvious in the field that unknown obstructions, grades or dimensions that exist might not have been considered in the engineering, such obstructions should be brought to the attentions of the owner's authorized representative. In the event that this notification is not performed, the irrigation contractor shall assume full responsibility for any revisions and costs that occur.

2. This system shall be installed using accepted and quality installation standards as used in the industry. All manufacturers specifications will be followed.

3. Mainline shall be buried a minimum of 12" of cover and a maximum of 18" of cover. Lateral line piping a minimum of 12" of cover. All backfill surrounding the pipe shall be cleaned of materials larger than 1" in size. Backfill shall be added in 6" increments and mechanically tamped.

4. There will be no substitutions or changes to the irrigation design allowed without direct, written approval from the Irrigation Consultant or Landscape Architect.

5. System design is based on pressure and flow information provided by others, static pressure was given as 80 psi and the size of the P.O.C. is as indicated on the drawing. .

6. Piping shown in paved area without sleeve is diagrammatic and shall be located inside of the planted area or turf area approximately 1' from any hardscape.

7. All valves shall be placed in valve boxes as shown in the details and all electrical connections shall be sealed with waterproof connectors. Control wire shall be solid copper wire U.L. approved for direct burial in the ground. See details.

8. Controller, rain sensor, meter, tap and backflow locations are as shown on the plan or as stated in the details and legend. All information is to be verified prior to any installation of the project.

9. The Irrigation Contractor is responsible for all clean up associated with his work.

10. Irrigation contractor shall all provide the first winterization, spring turn on, head Adjustments and controller maintenance in bid.

NOTE:
RAINBIRD HAS BEEN USED AS A BASIS OF DESIGN ALTHOUGH APPROVED EQUALS MAY BE USED.

EPA Water Sense PARTNER
Debbie Anderson Water Sense Partner

DEBBIE ANDERSON CERTIFIED IRRIGATION DESIGNER 001018 COMMERCIAL

PURPOSE OF THESE DRAWINGS IS TO REFLECT ALL CHANGES AND CLARIFICATIONS MADE THRU PREVIOUSLY ISSUED ADDENDA. CONTRACTOR IS RESPONSIBLE FOR ADHERENCE TO IMPROVEMENTS REFLECTED IN THE CONTRACT BIDS AND SPECIFICATIONS.

FOR LOCATION OF UNDERGROUND UTILITIES, CALL B.U.D.
1-502-266-5123 (2) WORKING DAYS IN ADVANCE OF DIGGING

100 % CD's

Louisville, Ky

Consolidated Addenda 3-11-12

University of Louisville - Student Recreational Facility (Bid Phase #4)

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#	Revision Date
1	
2	
3	
4	
5	
6	
7	
8	

Drawing Name / Description	IRRIGATION PLAN
U of L Project Number:	
A&E Project Number:	
Date:	JANUARY, 2012
Drawn By: SDS	Checked By: JLC / KLW

SD-11.0