## IRRIGATION NOTES:

1. THE INFORMATION PROVIDED BELOW IS FOR THE IN-FIELD CONVENIENCE OF THE CONTRACTOR. REFERENCE THE IRRIGATION SPECIFICATIONS FOR ALL ASPECTS OF IRRIGATION MATERIAL AND INSTALLATION PROCEDURES.

2. VERIFY IRRIGATION POINT OF CONNECTION WITH PLUMBING PLANS. NOTIFY OWNER'S REPRESENTATIVE IF DISCREPENCIES ARE DISCOVERED.

3. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION. REPORT ANY DIFFERENCE BETWEEN THE WATER PRESSURE INDICATED ON THE DRAWINGS AND THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION.

4. LAYOUT SHALL FOLLOW AS CLOSELY AS PRACTICAL TO THE SCHEMATIC DESIGN. MAKE NO SUBSTANTIAL ALTERATIONS WITHOUT PRIOR APPROVAL FROM THE LANSCAPE ARCHITECT. IRRIGATION MAIN LINE AND LATERAL LINE LOCATIONS IN PAVING AREAS SHOWN ARE FOR GRAPHIC CLARITY ONLY. ALL MAIN AND LATERAL LINES ARE TO BE PLACED IN PLANTING AREAS.

5. TRENCHING: 10" MIN. COVER OVER LATERAL LINES. 18" MIN. COVER OVER MAIN LINES. 6-8" MIN. COVER FOR DRIP/MICRO-SPRAY AREAS WITHIN TREE PROTECTION ZONES . BACKFILL MATERIAL SHALL BE FREE OF ROCKS, AND SHARP OBJECTS. NO MACHINE TRENCHING WITHIN DRIPLINE OR TREE PROTECTION ZONE OF EXISTING TREES. SEE SHEET L1.1-TREE PROTECTION PLAN. MANUAL TRENCHING WILL BE PERMITTED.

6. SET ALL SPRINKLER HEADS PLUMB WITH TOP OF HEAD EVEN WITH FINISH GRADE, ALLOWING FOR SOD OR BARK. FLUSH LINES BEFORE INSTALLING NOZZLES.

7. ALL PIPING, PVC ELEC. SLEEVES, ETC, UNDER PAVING SHALL BE INSTALLED PRIOR TO PAVING WORK. NO TEES, ELLS OR OTHER TURNS IN PIPING SHALL BE LOCATED UNDER PAVING. CAP ALL ENDS HAND TIGHT, PRIOR TO BACKFILL.

8. ALL IRRIGATION SLEEVES SHALL BE MIN. 4" SCH. 40, OR 3034 SEWER PIPE AS PER IRRIGATION PLAN. CLEARLY MARK SLEEVES USING A WOOD STAKE MARKED WITH PAINT SHOWING EXACT LOCATION. ALL SLEEVES SHALL EXTEND 12" BEYOND PAVEMENT EDGE.

9. PLACE CONTROLLER ON THE WEST EXTERIOR. SEE ELECTRICAL PLANS. CONTROLLER SHALL BE HARDWIRED. PROVIDE ALL NECESARY CONDUIT, WIRE AND EQUIPMENT TO PROPERLY INSTALL VALVES AND CONTROLLER. LABEL SPRINKLER ZONES INSIDE VALVE BOX WITH A WATERPROOF TAG.

10. INSTALL VALVES IN VALVE BOXES IN SHRUB AREAS AND IN ACCESSIBLE LOCATIONS. INSTALL VALVE BOXES SO THAT THE LID IS FLUSH WITH FINISH GRADE AND PERPENDICULAR THE THE NEAREST ADJACENT HARDSCAPE.

11. INSTALL 1" MANUAL DRAIN VALVES AT LOWEST POINT(S) OF THE MAINLINE. INDICATE LOCATIONS ON AS-BUILT DRAWINGS.

## IRRIGATION LEGEND

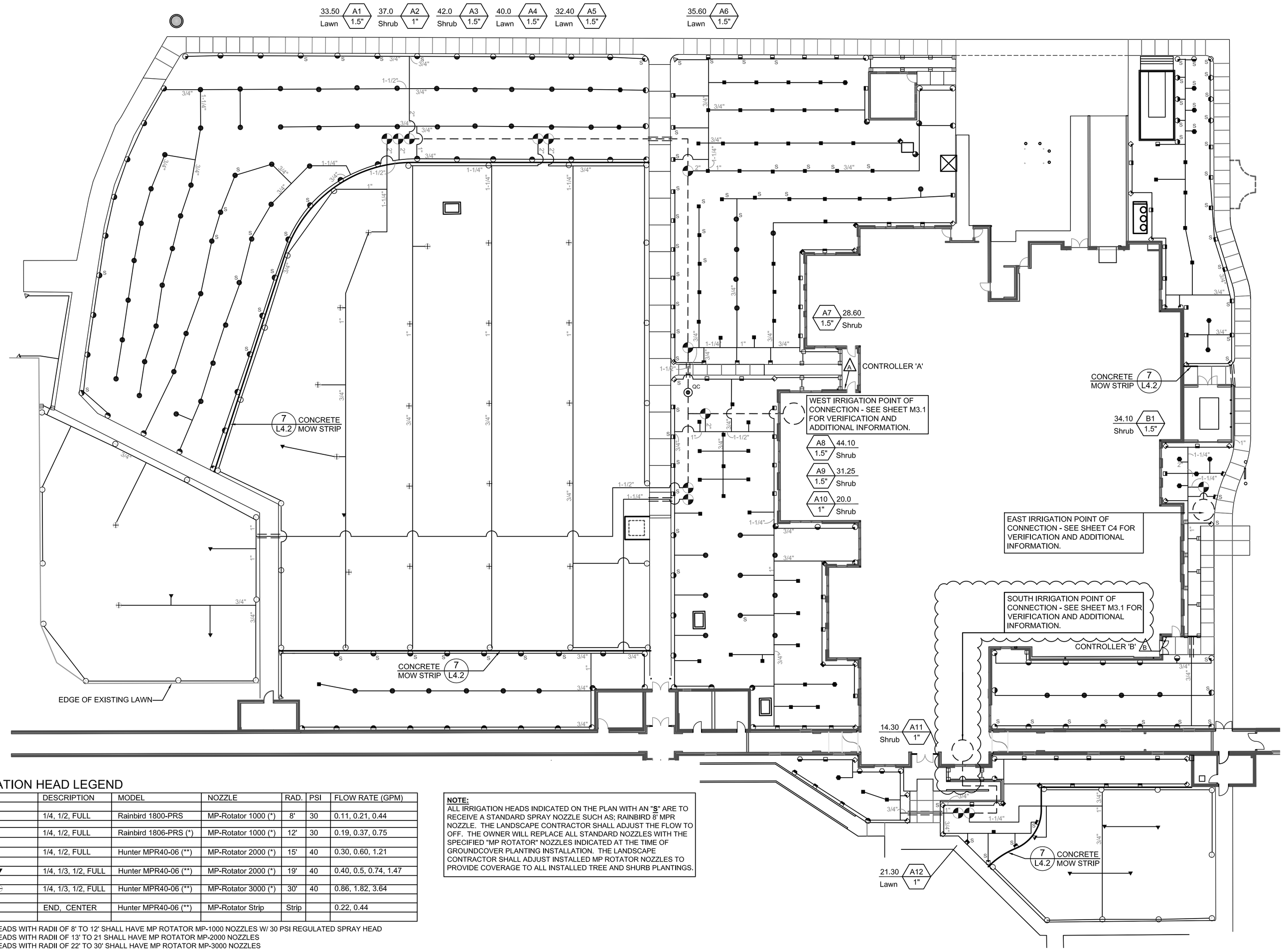
| SYM. | ITEM |
|---|---|
| | RAINBIRD PEB SERIES VALVE - SIZE NOTED. |
| | DOUBLE CHECK BACKFLOW ASSEMBLY - SEE CIVIL |
| | GATE VALVE - 2" |
| QC | QUICK COUPLING VALVE, RAINBIRD 44 LRC - 1" |
| | PROPOSED MAIN LINE: SCH. 40 PVC - 2", UNLESS NOTED OTHERWISE. |
| | 2" SERVICE LINE: (EXACT LOCATION & SIZE TO BE VERIFIED IN FIELD) |
| | LATERAL LINES SHALL BE CLASS 200 PVC, SIZE AS NOTED. FOR LAYOUT CHANGES SIZE ACCORDING TO CHART BELOW. |
| | SLEEVES - 4" SCH. 40 |
| C | CONTROLLER: RAINBIRD ESP-LX MODULAR SERIES (EXTERIOR MOUNT) WITH REMOTE OR DIRECT WIRE RAIN SENSOR. (Rainbird RSD or WRFC) ET MANAGER: INSTALL PER MANUF. RECOMMENDATIONS FOR EA. CONTROLLER. TRC COMMANDER: INSTALL PER MANUF. RECOMMENDATIONS FOR RECIEVER AT EA. CONTROLLER. |

6 = VALVE # · 15.0 = G.P.M. · 1" = VALVE SIZE · Shrubs = CONDITION

### LATERAL LINE SIZING (CLASS 200)

SIZE ACCORDING TO CHART BELOW

| FLOW | LINE SIZE | FLOW | LINE SIZE |
|---|---|---|---|
| 0-10 GPM | 3/4" | 26-35 GPM | 1 1/2" |
| 10-16 GPM | 1" | 35-55 GPM | 2" |
| 16-26 GPM | 1 1/4" | | |




## IRRIGATION HEAD LEGEND

| SYMBOL | DESCRIPTION | MODEL | NOZZLE | RAD. | PSI | FLOW RATE (GPM) |
|---|---|---|---|---|---|---|
| | 1/4, 1/2, FULL | Rainbird 1800-PRS | MP-Rotator 1000 (*) | 8' | 30 | 0.11, 0.21, 0.44 |
| | 1/4, 1/2, FULL | Rainbird 1806-PRS (*) | MP-Rotator 1000 (*) | 12' | 30 | 0.19, 0.37, 0.75 |
| | 1/4, 1/2, FULL | Hunter MPR40-06 (**) | MP-Rotator 2000 (*) | 15' | 40 | 0.30, 0.60, 1.21 |
| | 1/4, 1/3, 1/2, FULL | Hunter MPR40-06 (**) | MP-Rotator 2000 (*) | 19' | 40 | 0.40, 0.5, 0.74, 1.47 |
| | 1/4, 1/3, 1/2, FULL | Hunter MPR40-06 (**) | MP-Rotator 3000 (*) | 30' | 40 | 0.86, 1.82, 3.64 |
| | END, CENTER | Hunter MPR40-06 (**) | MP-Rotator Strip | Strip | | 0.22, 0.44 |

(*) ALL HEADS WITH RADII OF 8' TO 12' SHALL HAVE MP ROTATOR MP-1000 NOZZLES W/ 30 PSI REGULATED SPRAY HEAD
ALL HEADS WITH RADII OF 13' TO 21 SHALL HAVE MP ROTATOR MP-2000 NOZZLES
ALL HEADS WITH RADII OF 22' TO 30' SHALL HAVE MP ROTATOR MP-3000 NOZZLES

(**) INSTALL HUNTER MPR 40-06-CV SPRAY BODY AT ALL LOW HEAD DRAINAGE SPRAY AREAS

**NOTE:**
ALL IRRIGATION HEADS INDICATED ON THE PLAN WITH AN "**S**" ARE TO RECEIVE A STANDARD SPRAY NOZZLE SUCH AS; RAINBIRD 8' MPR NOZZLE. THE LANDSCAPE CONTRACTOR SHALL ADJUST THE FLOW TO OFF. THE OWNER WILL REPLACE ALL STANDARD NOZZLES WITH THE SPECIFIED "MP ROTATOR" NOZZLES INDICATED AT THE TIME OF GROUNDCOVER PLANTING INSTALLATION. THE LANDSCAPE CONTRACTOR SHALL ADJUST INSTALLED MP ROTATOR NOZZLES TO PROVIDE COVERAGE TO ALL INSTALLED TREE AND SHURB PLANTINGS.

0 20 40 60 80 feet

IRRIGATION PLAN
1" = 20'


galbraith AND ASSOCIATES
LANDSCAPE ARCHITECTURE & SITE PLANNING
318 S. GRAPE STREET
MEDFORD, OR 97501
PH. 541.770.7964
FAX 541.770.5164
OREGON LICENSE No. 254 (CA., 2980)


File: 1008\drawings\sheets\L1.1.dwg\25% Working Drawings

| REVISIONS | DATE |
|---|---|
| IRRIGATION TEXT ADDITION @ SOUTH POINT OF CONNECTION | 03.27.12 |
| | |
| | |
| | |

REGISTERED LANDSCAPE ARCHITECT 254 John L. Galbraith OREGON 04/07/89


DOUGLAS SNIDER ARCHITECT, P.C.
ARCHITECTURE
PLANNING
INTERIOR DESIGN
FACILITIES MANAGEMENT
MEMBER AMERICAN INSTITUTE OF ARCHITECTS
45 Hawthorne, Medford, Oregon 97504
Web site: www.DouglasSnider.com
E-mail: Doug@DouglasSnider.com
Telephone (541) 772-5203
FAX (541) 772-9438


DEPARTMENT OF VETERANS AFFAIRS

**SOUTHERN OREGON REHABILITATION CENTER & CLINICS**

**8495 CRATER LAKE HIGHWAY**
**WHITE CITY, OREGON**

DRAWING TITLE:
IRRIGATION PLAN

| | |
|---|---|
| PROJECT TITLE | REPLACE NUTRITION & FOOD SERVICES |
| DRAWN BY: JL | DATE: 01 JUN 2011 |
| CHECK BY: JG | VA PROJECT NO.: 692-338 |
| DRAWING NO.: L2.1 | DWG. 2 OF 5 |

US DEPARTMENT OF VETERANS AFFAIRS

S:\Jobs\2010\1008 VA Kitchen Replacement\Construction Admin\ADD-12.1_03.27.12.dwg Mar 27, 2012 - 1:29pm