



CONSTRUCTION NOTES

1. WATER METER AND SERVICE LINE SHALL BE A MINIMUM SIZE OF 1".
2. CONTRACTOR SHALL CONFIRM WATER PRESSURE PRIOR TO INSTALLING THE IRRIGATION SYSTEM. SHALL REQUEST PLAN CHANGE IF PRESSURE IS LOWER THAN THE DESIGN RATING.
3. RIGID PIPE, COPPER TYPE "K" AND/OR BRONZE PIPE SHALL CONNECT THE BACK FLOW TO THE SERVICE LINE.
4. CONTRACTOR SHALL CONTACT UNDERGROUND MODIFICATION SERVICE "DIG ALERT" PRIOR TO ANY UNDERGROUND ACTIVITY AND REQUEST DRAWINGS OF THE EXISTING SITE UTILITIES.
5. OWNER SHALL PROVIDE AN 1" GATE VALE AT THE EXISTING WATER SERVICE FOR THE IRRIGATION MAINLINE POINT OF CONNECTION (P.O.C).
6. OWNER SHALL PROVIDE 120 VOLT ELECTRICAL POWER OUTLET AT THE IRRIGATION CONTROLLER LOCATION. CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTION TO THE CONTROLLER.
7. CONTRACTOR SHALL ADHERE TO ALL CAL OSHA REQUIREMENTS AND PROTECT THE PUBLIC FROM HIS CONSTRUCTION ACTIVITIES.
8. ALL WORK SHALL COMPLY WITH THE LATEST UNIFORM PLUMBING CODES AS WELL AS LOCAL ORDINANCES.
9. CONTRACTOR SHALL PULL ALL WIRES THROUGH CONDUIT FROM STREET LEVEL TO PODIUM LEVEL.
10. ALL CONDUITS SHALL BE COORDINATED WITH GENERAL CONTRACTOR
11. SUBSLAB COPPER PIPES SHALL BE PROVIDED BY PLUMBING CONTRACTOR W/STUB OUT AT PLANTERS.
12. ELECTRICAL CONDUITS FOR CONTROL WIRES TO CONTROLLERS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
13. LANDSCAPE CONTRACTOR SHALL PULL WIRES THROUGH EXISTING CONDUIT FROM CONTROLLER LOCATION TO EACH REMOTE CONTROL VALVE ABOVE SLAB.
14. CONTRACTOR SHALL COORDINATE ALL UNDER SLAB WORK WITH GENERAL CONTRACTOR PRIOR TO COMMENCING ANY WORK

IRRIGATION NOTES

1. IRRIGATION PLAN IS DIAGRAMATIC. ALL PIPING SHALL BE LOCATED IN PLANTING AREAS WHEREVER POSSIBLE.
2. DO NOT INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN THE FIELD CONDITIONS ARE OBVIOUS, THAT OBSTRUCTIONS, GRADE DIFFERENCE AND AREA DIMENSIONS ARE NOT ACCURATE. SUCH DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVE.
3. VALVE BOXES SHALL BE LOCATED 12" FROM THE EDGE OF CURB, WALKWAYS AND VALVE BOXES SHALL BE A MINIMUM OF 12" APART.
4. PROVIDE MINIMUM 18" COVER FROM FINISH GRADE TO TOP OF PIPE, PRESSURE PIPE (MAINLINE), AND 12" COVER FOR NON PRESSURE PIPE, LATERAL LINE.
5. ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ON TO WALKS, ROADS, AND/OR BUILDINGS INCLUDING SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS.
6. CONTROL WIRES SHALL BE BUNDLED WITH ELECTRICAL TAPE AT 10 FT. ON ONEETER AND BURIED BENEATH THE MAINLINE.
7. WIRE CONNECTIONS, ALL SPLICES SHALL BE MADE WITH PENTILE ON EQUAL WIRE CONNECTORS IN VALVE BOXES ONLY.
8. ROUTE ONE EXTRA WIRE WITH A COLOR DIFFERENT THAN THE CONTROL AND COMMON WIRES. ALL WIRE RUN TO FOLLOW MAINLINE.
9. TRENCHES SHALL BE COMPACTED AND/ OR JETTED TO PREVENT SETTLEMENT.
10. IN THE PRESENCE OF THE OWNERS REPRESENTATIVE:
 - A: PRESSURE TEST MAINLINE UNDER HYDROSTATIC PRESSURE OF 150 PSI FOR A MINIMUM OF 2 HOURS. CONTRACTOR MAY CENTER-LOAD PIPE WITH BACKFILL TO PREVENT ARCHING OR SLIPPING OF PIPE. ALL JOINTS SHALL REMAIN EXPOSED FOR INSPECTION.
 - B: COVERAGE TEST, SHALL BE PERFORMED TO DETERMINE IF THE COVERAGE IS COMPLETE AND ADEQUATE.
11. CONTRACTOR SHALL GUARANTEE WORK AGAINST DEFECTIVE INSTALLATION AND FAULTY PARTS FOR PERIOD OF 12 MONTHS.
12. ALL THE EXISTING IRRIGATION SYSTEM SHALL REMAIN.

IRRIGATION LEGEND

SYMBOL	MFG.	MODEL	DESCRIPTION	ARC	RADIUS	P.S.I.	G.P.M.
▲	RANIBRD	5CST-8	W/PI STREAM RUBBLER	180	5'	30	20
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	90	5'	30	1.0
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	90	5'	30	1.05
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	360	8'	30	1.05
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	180	8'	30	1.05
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	90	8'	30	1.05
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	90	12'	25	1.30
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	180	12'	25	1.30
▲	RANIBRD	1806SAM	6" PO-P-UP SPRINKLER	360	12'	25	2.40

- P --- PRESSURE MAINLINE - SCH. 40 PVC FOR 1" (SIZE PER PLAN)
- 3/4" COPPER PIPE UNDER SLAB BY PLUMBER
- NON-PRESSURE LATERAL - SCH. 40 PVC (SIZE PER PLAN)
- P.V.C. SLEEVE (UNDER IN PAVING). SCH. 40 P.V.C. 2X DIA. OF PIPE. INSTALL SLEEVE UNDER ALL PAVEMENT.
- LANDSCAPE DRIPLINE W/ FILTER AND PRESSURE REGULATOR
- REDUCED PRESSURE BACKFLOW FERRO 823-V 1"
- GATE VALVE- 1"
- QUICK COUPLER VALVE - RANIBRD 33 DPC-3/4"
- AUTOMATIC REMOTE CONTROL VALVE - RANIBRD EFB-CD (SIZE ON PLAN)
- AUTOMATIC IRRIGATION CONTROLLER - RANIBRD ESP-4MC 6 STA. WITH RAIN SHUT OFF SWITCH / I/O SET OF MOISTURE SENSORS INSTALL IN RAIN BRD PED-0016 METAL CABINET
- NEW MOISTURE SENSOR (RANIBRD MS-100)
- AIR RELIEF VALVE KIT
- VALVE SEQUENCE
- VALVE SIZE 1 1/2" 10 G.P.M.

No.	REVISION	DATE

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TITLE	IRRIGATION PLAN	
SCALE	1/8"=1'-0"	DATE 11-15-06
SHEET NUMBER	LI-1	