



IRRIGATION NOTES

1. THE IRRIGATION SYSTEM AS SHOWN ON THE PLAN(S) ARE DIAGRAMMATIC ONLY. THE LANDSCAPE CONTRACTOR SHALL INSTALL AND ADJUST THE SYSTEM TO PROVIDE COMPLETE AND ADEQUATE COVERAGE OF THE AREAS TO BE WATERED WITH MINIMAL OVER SPRAY (NO OVER SPRAY ONTO BUILDING STRUCTURES). ALL WORK SHALL CONFORM TO STATE AND LOCAL BUILDING, PLUMBING, AND ELECTRICAL CODES.
2. PRIOR TO BEGINNING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY WATER PRESSURE, DIMENSIONS, GRADES, UTILITIES, AND INSTALLED WORK OF OTHER TRADES TO VERIFY THE IRRIGATION SYSTEM CAN BE INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ANY UTILITIES OR FACILITIES DAMAGED BY THE LANDSCAPE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE OWNER'S SATISFACTION BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE.
3. GATE, GLOBE, AND BALL VALVES, ELECTRIC VALVES, PRESSURE REGULATORS, AND QUICK COUPLERS SHALL BE INSTALLED IN PLASTIC VALVE BOXES (GARSON OR EQUIV.) OVER 1 CUBIC FOOT OF GRAVEL. SIZE OF BOX SHALL FACILITATE MAINTENANCE OF COMPONENTS. WHEN POSSIBLE LOCATE VALVE IN SHRUB AND GROUND COVER AREAS NEXT TO WALKS, CURBS, OR LAWNS.
4. UPON COMPLETION, THE LANDSCAPE CONTRACTOR SHALL FURNISH THE OWNER WITH (2) SETS OF AS-BUILT IRRIGATION PLANS LOCATING VALVES, HEADS, DRAIN VALVES, PIPING, AND WIRING; MANUFACTURERS' LITERATURE ON IRRIGATION COMPONENTS; ANY TOOLS REQUIRED TO ADJUST SPRINKLERS AND OTHER COMPONENTS; AND INSTRUCTIONS ON HOW TO WINTERIZE THE IRRIGATION SYSTEM.
5. ALL IRRIGATION WORK AND MATERIALS PROVIDED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED FOR 1 YEAR FROM DATE OF ACCEPTANCE. ANY IRRIGATION OR WIRE TRENCHES THAT SETTLE WITHIN 1 YEAR SHALL BE FILLED AND THE LANDSCAPING REPAIRED BY THE LANDSCAPE CONTRACTOR AT HIS EXPENSE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL 120 V & LOW VOLTAGE ELECTRICAL MATERIALS AND WORK TO INSTALL A COMPLETE AND FUNCTIONAL AUTOMATIC IRRIGATION SYSTEM.
7. IRRIGATION WATER SHALL BE APPLIED AT A RATE WHICH DOES NOT EXCEED THE INFILTRATION RATE OF THE SOIL.
8. ALL PIPE, VALVES, ETC., SHOWN WITHIN PAVED AREAS ARE FOR GRAPHIC CLARITY ONLY. PIPE, VALVES, AND IRRIGATION EQUIPMENT SHALL NOT INTERFERE WITH TREE AND SHRUB PLACEMENT.
9. FINAL LOCATION OF THE BACKFLOW DEVICE AND ENCLOSURE SHALL BE APPROVED BY THE ARCHITECT.
10. ALL THREADED JOINTS SHALL BE COATED WITH TEFLON TAPE.
11. CONCRETE THRUST BLOCKS SHALL BE INSTALLED ALONG THE MAIN (PRESSURE) LINE AT ALL ELBOW AND TEE CONNECTIONS. THRUST BLOCKS SHALL BE CONSTRUCTED SO THAT MAJOR BEARING SURFACE IS IN DIRECT LINE WITH THE MAJOR FORCE CREATED BY THE PIPE OR FITTING. CONCRETE SHALL BE FLUID ENOUGH SO THAT IT MAY BE WORKED AROUND THE FITTING. CONCRETE SHALL BE KEPT BEHIND THE BELL OF THE FITTING.
12. INSTALL REMOTE CONTROL VALVE BOX 12" FROM WALK, CURB, HEADER BOARD, BUILDING OR LANDSCAPE FEATURE. AT MULTIPLE VALVE BOX GROUPS, EACH BOX SHALL BE EQUAL DISTANCE FROM WALK, CURB, ETC., AND EACH BOX SHALL BE 12" APART. SHORT SIDE OF RECTANGULAR VALVE BOX SHALL BE PARALLEL TO WALK, CURB, ETC.
13. ALL ELECTRICAL VALVE WIRING SHALL BE 24 VAC IRRIGATION CONTROL CABLE TYPE U.F. DIRECT BURIAL, #14 MINIMUM SIZE. CONTROL WIRES SHALL BE RED COLOR, AND COMMON WIRE SHALL BE WHITE COLOR. INSTALL TWO SPARE WIRES OF A DIFFERENT COLOR FROM THE IRRIGATION CONTROLLER THROUGH EACH CONTROL VALVE.
14. INSTALL LOW VOLTAGE WIRE IN SEPARATE CONDUIT UNDER PAVEMENT & HARD SURFACED AREAS.

IRRIGATION SCHEDULE

SYMBOL	DESCRIPTION	REMARKS
	RAINBIRD 1400 PRESSURE COMPENSATING FULL CIRCLE BUBBLER	STANDARD SPRINKLER DETAIL (TYPE 1) PAGE 681.20, 1401 FOR SHRUBS, 1402 FOR TREES, U.N.O.
	RAINBIRD 1806 POP-UP SPRAY HEAD	STANDARD SPRINKLER DETAIL (TYPE 2) PAGE 681.30
	RAINBIRD 3500 ROTOR POP-UP SPRINKLER	STANDARD SPRINKLER DETAIL (TYPE 3) PAGE 681.40
	SCH. 40 PVC MAIN LINE (PRESSURE)	STANDARD LANDSCAPE IRRIGATION TRENCHING PAGE 683.40
	SCH. 40 3/4" PVC LATERAL LINE (NON-PRESSURE) U.N.O.	STANDARD LANDSCAPE IRRIGATION TRENCHING PAGE 683.40 (OMIT PRESSURE REGULATING MODULE)
	1" RAINBIRD PEB ELECTRICAL REMOTE CONTROL VALVE	STANDARD IRRIGATION REMOTE CONTROL VALVE PAGE 681.60
	SCH. 40 IRRIGATION SLEEVE	SIZE AS REQUIRED (SEE NOTE 14)
	RAINBIRD ESP-8MC HYBRID CONTROLLER	IRRIGATION CONTROL ENCLOSURE PAGE 681.70
	WILKINS 1" 975XL REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER	STANDARD REDUCED PRESSURE PRINCIPLE CHECK DEVICE PAGE 431.10 & 432.25

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Photovoltaic Panel Structure and Parking Addition for the

Shasta Community Health Center

Located at

1035 Placer Street
1160, 1170 South St.
Redding, CA

06 JULY 10

23 DEC. 09

IRRIGATION PLAN

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IRRIGATION PLAN

SCALE: 1" = 10'-0"