


IRRIGATION NOTES

1. ALL IRRIGATION EQUIPMENT SHALL BE NEW EXCEPT AS NOTED TO CONNECT TO EXISTING SYSTEM, AND INSTALLED IN SUCH A MANNER THAT THE NEW IRRIGATION SYSTEM WILL BE COMPLETE AND EFFICIENT.
2. CONTRACTOR SHALL INSTALL ALL PIPE MATERIALS AND EQUIPMENT AS SHOWN IN THE CONSTRUCTION DETAILS AND SHALL REFER TO PROJECT SPECIFICATIONS.
3. STEVE ALL PRESSURE MAINLINE PIPE, LATERAL PIPE AND CONTROL LINES UNDER ALL HARDCAPE WALKWAYS WITH SCHEDULE 40 PVC PIPE A MIN. OF TWICE THE DIAMETER OF THE PIPE AND AT THE SPECIFIED DEPTH. IN ADDITION TO THE SLEEVES AND CONDUITS SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF SLEEVES AND CONDUITS OF SUFFICIENT SIZE UNDER ALL PAVED AREAS.
4. FLUSH AND ADJUST ALL LINES, SPRAY HEADS, ROTORS AND VALVES FOR OPTIMUM PERFORMANCE. ADJUST ALL NOZZLES TO ELIMINATE OVERSPRAY ON ADJACENT WALKS, STREETS, ETC.
5. CONTACT THE OWNER TO DISCUSS AND RECEIVE APPROVAL FOR ALL FIELD ADJUSTMENTS THAT WILL IMPACT THE DESIGN AND EFFICIENCY OF THE SYSTEM. IF THE CONTRACTOR HAS NOT RECEIVED WRITTEN AUTHORIZATION TO CONDUCT FIELD ADJUSTMENTS, THEN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REMEDIATION ADJUSTMENTS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SITE. THE CONTRACTOR SHALL USE EXTREME CARE WHEN EXCAVATING OR WORKING NEAR EXISTING UTILITIES AND SHALL BE RESPONSIBLE FOR ANY DAMAGE INCURRED. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR SHALL CONTACT ALL APPLICABLE AGENCIES AND U.S.A. TO LOCATE ALL EXISTING UTILITIES.
7. IRRIGATION CONTRACTOR SHALL COORDINATE ALL IRRIGATION SLEEVES, MAIN LINE AND COMMUNICATION CABLE INSTALLATION PRIOR TO CONCRETE PAVEMENT INSTALLATION.
8. IRRIGATION SYSTEM SHALL BE INSTALLED IN CONFORMANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES, BY LICENSED CONTRACTORS AND EXPERIENCED WORKMEN. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES RELATING TO HIS WORK.
9. TRENCHING IS TO BE SUFFICIENT DEPTH TO PROVIDE 30" OF COVER OVER IRRIGATION MAIN LINES AND CONTROL WIRE, 18" OF COVER OVER 7/8" POP-UP HEADS AND ROTOR HEAD LATERAL LINES, AND 12" OF COVER OVER ALL 1/2" POP-UP SPRAY HEAD LATERAL LINES. COVER NOTED OTHERWISE ON THE PLANS. ALL LINES UNDER SIDEWALKS SHALL HAVE 30" OF COVER. CONTRACTOR SHALL CONTACT COR. AND REPRESENTATIVE WITH ANY DISCREPANCIES.
10. INSTALL SPRINKLER HEADS 2' CLEAR OF CURBS, SIDEWALKS, PAVING, HEADERS, OR UTILITY BOXES.
11. PRIOR TO THE INSTALLATION OF IRRIGATION HEADS.
12. PRESSURE TEST LATERAL LINES UNDER OPERATING PRESSURE PRIOR TO BACKFILLING.
13. IRRIGATION CONTROL WIRE SHALL BE NO. 14-1 AWG JFJF APPROVED FOR DIRECT BURIAL. WIRE COLORS FOR THIS PHASE OF THE WORK SHALL BE AS FOLLOWS: COMMON WIRE - WHITE, PILOT WIRE - RED, ALL SPARE WIRES - YELLOW.
14. THE IRRIGATION SYSTEM IS PLANNED PARAMOUNTALLY, AT ALL PAVING, VALVES, ETC. SHOWN WITHIN PAVED AREAS ARE FOR CLARITY ONLY. INSTALL ALL EQUIPMENT IN PLANTING AREAS, STEVE UNDER PAVING.
15. DO NOT UNLATELY INSTALL THE IRRIGATION SYSTEM AS PARAMOUNTALLY SHOWN WITHIN ITS DESIGN IN THE FIELD DUE TO OBSTRUCTION OR INTERFERENCE OF EXISTING UTILITIES OR OTHER OBSTRUCTIONS. IN THE EVENTING, THE COR SHALL BE GIVEN WRITTEN NOTICE THAT SUCH CONDITIONS EXIST. IF NO SUCH NOTIFICATION IS GIVEN, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND REPAIR WORK THAT MAY BE DEEMED NECESSARY.
16. DAMAGE OF IRRIGATION WATER THROUGH ANY SPRINKLER HEADS, LOW HEAD DRAINAGE, WILL NOT BE ALLOWED. AFTER THE CONTRACTOR SHALL INSTALL BUILT IN CHECK VALVES AS REQUIRED FOR ANY SPRINKLER HEAD SHOWING SIGNS OF DAMAGE AFTER THE IRRIGATION SYSTEM HAS OPERATED FOR AN ON TO OFF POSITION. THIS INCLUDES SPRAY HEADS AND ROTOR HEADS. THE INSTALLATION OF HEADS WITH INTEGRAL CHECK VALVE FEATURE SHALL BE INCLUDED IN THE BID PRICE WITHOUT ADDITIONAL COST TO THE OWNER.
17. INSTALL QUICK COUPLE VALVES WITHIN A 10" ROUND PLASTIC VALVE BOX WITH BOLT-DOWN UD. TOP OF BOX SHALL BE 2' BELOW RIM OF BOX.
18. ALL WIRE SPICES ARE TO BE MADE WITHIN A VALVE BOX. SPICES ARE TO BE MADE WITH A WIRE NUT TYPE CONNECTOR AND INSTALLED WITHIN A 3/4" DIA. SEALING PACK.
19. REPORT CONTROL VALVE BOXES ARE TO BE INSTALLED 12" ABOVE FINISH GRADE IN PAVEMENT AND EROSION-PRONE AREAS AND FLUSH WITH GRADE IN ROADWAYS AND LAWN AREAS. ALL VALVE BOXES WITH ADJACENT FINISH GRASS, ARCHITECTURAL FEATURES, OR ADJACENT VALVE BOXES, AS APPLICABLE FOR A GIVEN APPEARANCE. VALVE BOXES ARE TO CONFORM WITH FINISH GRADES (NOT NECESSARILY LEVEL). MULTIPLE BOXES IN ONE LOCATION SHALL BE ALIGNED AND SQUARE TO EACH OTHER WITH FINISH GRADES (NOT VALVE BOXES) TO ACCOMMODATE VALVE ASSEMBLY INCLUDING UNIONS, SHALL VALVE AND REMOVE CONTROL VALVE.
20. OPERATE IRRIGATION CONTROLLER WITHIN THE TWELVE HOUR WATERING WINDOW WHICH SHALL BE DURING THE HOURS OF 7:00 P.M. TO 7:00 A.M. COORDINATE SATELLITE SCHEDULING WITH GEMETRY FOREMAN.
21. ALL REMOTE CONTROL VALVES SHALL HAVE A PERMANENT VALVE TAG (AS MANUFACTURED BY T. CHRISTY OR APPROVED EQUAL) ATTACHED TO THE VALVE INDICATING THE CONTROLLER STATION NUMBER.
22. THE CONTRACTOR SHALL INSTALL EIGHT (8) SPARE WIRE SPACES COMMON STARTING FROM THE CONTROLLER AT THE ADMINISTRATION BUILDING, LOOSED TO EACH VALVE BOX AND TO BOTH ENDS OF THE MAIN LINE. WITHOUT SPICES, THESE SPARE WIRES SHALL BE TYPED IN COLOR.








IRRIGATION SCHEDULE

SYMBOL		MANUFACTURER/DESCRIPTION		QTY	PSI
	1401	RAIN BIRD 1/2" P	510	50	
	1402	RAIN BIRD 1/2" P	510	50	
	1403	RAIN BIRD 1/2" P	510	50	
	1404	RAIN BIRD 1/2" P	510	50	
	1405	RAIN BIRD 1/2" P	510	50	
	1406	RAIN BIRD 1/2" P	510	50	
	1407	RAIN BIRD 1/2" P	510	50	
	1408	RAIN BIRD 1/2" P	510	50	
	1409	RAIN BIRD 1/2" P	510	50	
	1410	RAIN BIRD 1/2" P	510	50	
	1411	RAIN BIRD 1/2" P	510	50	
	1412	RAIN BIRD 1/2" P	510	50	
	1413	RAIN BIRD 1/2" P	510	50	
	1414	RAIN BIRD 1/2" P	510	50	
	1415	RAIN BIRD 1/2" P	510	50	
	1416	RAIN BIRD 1/2" P	510	50	
	1417	RAIN BIRD 1/2" P	510	50	
	1418	RAIN BIRD 1/2" P	510	50	
	1419	RAIN BIRD 1/2" P	510	50	
	1420	RAIN BIRD 1/2" P	510	50	
	1421	RAIN BIRD 1/2" P	510	50	
	1422	RAIN BIRD 1/2" P	510	50	
	1423	RAIN BIRD 1/2" P	510	50	

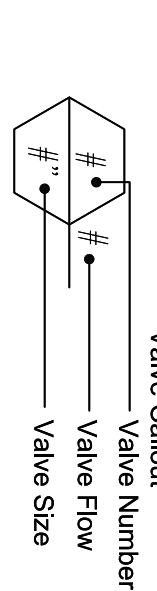
SYMBOL	MANUFACTURE/MODE/DESCRIPTION	QTY
	RAIN BIRD PESP-PRSD 1" I/P, 1/2" PLASTIC INDUSTRIAL VALVES, LOW FLOW OPERATION, 1/2" NPT, 1/2" NPT, 1/2" NPT, 1/2" NPT, PRESSURE REGULATOR MODULE	17



1" BRASS QUICK-COUPLING VALVE, WITH CORROSION-RESISTANT STAINLESS STEEL SPRING, LOCKING NON-POTABLE PURPLE RUBBER COVER, AND 2-PIECE BODY.

7	GATE VALVE CLASS 125 BRONZE GATE SHUT OFF VALVE. SAME SIZE AS MAINLINE PIPE DIAMETER AT VALVE LOCATION. GATE VALVES SHALL BE DUCTILE IRON RESILIENT WEDGE GATE VALVES WITH PUSHON ENDS AND MECHANICAL JOINT RESTRAINTS.
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	BLOW OFF VALVE	1
	PRESSURE REDUCING VALVE	1
	AND ISOLATION VALVE	1
	CAP FOR FUTURE USE	1
	AT MANLINE	1
	POINT OF CONNECTION - 12X12X8 TEE	1
	SEE DETAIL	1

IRIGATION LATERAL LINE PVC SCHEDULE 40 PVC SCHEDULE 40 IRRIGATION PIPE	7.54 L.F.
IRIGATION MAINLINE PVC 1/2" SDR 17 (550 PSI) RIMS TIE PIPE	1,366 L.F.
IRIGATION MAINLINE 8" PVC C900 PB 18 CLASS 235 GRAVELLED PVC AWWA C900 PVC PIPE	207.5 L.F.
PIPE SLEEVE PVC SCHEDULE 40	75.1 L.F.



_____	CONTROLLER COMMUNICATION CONDUIT (EMPTY)
-----	EXISTING MAINLINE
-----	EXISTING CONTROLLER #0 - 19 STATIONS AVAILABLE
	EXISTING HEAD TO BE REMOVED
	EXISTING HEAD TO BE MOVED OR MODIFIED
25	

CONSTRUCTION DOCUMENTS

Drawing Title	Project Title	Project Number
IRRIGATION NOTES & SCHEDULE	SAN JOAQUIN VALLEY NATIONAL CEMETERY PRE-PLACED CRYPTS IN SECTION 21	913CM2012
		Building Number
Approved Project Director	Location	Drawing Number
	SAN JOAQUIN VALLEY NATIONAL CEMETERY SANTA NEILA, CALIFORNIA	I-1
	Date	Dwg. 22 of 25
	09/28/2015	
	Checked	
	MIS	
	Drawn	
	TT	