

### IRRIGATION NOTES

- REFER TO IRRIGATION DETAILS (SHEETS 11.01 & 11.02) AND SPECIFICATIONS FOR INSTALLATION PROCEDURES.
- SYSTEM HAS BEEN DESIGNED BASED ON A STATIC WATER PRESSURE OF 80 PSI AT THE PUMP.
- CONTRACTOR SHALL FIELD VERIFY PRESSURE AT PUMP LOCATION PRIOR TO ORDERING MATERIALS OR STARTING ANY IRRIGATION INSTALLATION AND NOTIFY CONSULTANT OF ANY DIFFERENCE FROM STATED PRESSURE. IF CONTRACTOR FAILS TO NOTIFY CONSULTANT HE ASSUMES FULL RESPONSIBILITY FOR ANY SYSTEM ALTERATIONS AS DIRECTED BY THE CONSULTANT.
- INSTALL BOSHUTH SERIES PRESSURE COMPENSATING EMITTERS TO PLANT MATERIAL PER DETAILS 11.12, 11.13 AND THE FOLLOWING SCHEDULE:

PLANT SIZE	EMITTER NUMBER	QUANTITY
8 GAL SHRUB	BOSHUTH 8L210	1 EACH
24" BOX TREE	BOSHUTH 8L220	6 EACH
36" BOX TREE	BOSHUTH 8L220	6 EACH

EMITTERS ONLY ARE TO BE INSTALLED ABOVE GRADE AND ALL PIPING SHALL BE THOROUGHLY FLUSHED PRIOR TO EMITTER INSTALLATION AS PER DETAILS AND SPECIFICATIONS. CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY FLUSHING OF EMITTERS DUE TO CLOGGING FOR THE DURATION OF THE MAINTENANCE PERIOD AS OUTLINED IN THE LANDSCAPE SPECIFICATION. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ANY PLANT MATERIAL WHICH DIES DURING THE MAINTENANCE PERIOD AS A RESULT OF EMITTER CLOSING.

- INSTALL RAIN BIRD U-SERIES PLASTIC NOZZLES ON ALL SPRAY HEADS. USE VARIABLE ARC NOZZLES WHERE NECESSARY TO PROVIDE HEAD TO HEAD COVERAGE AND PREVENT OVERSPRAY ONTO PAVED SURFACE. INSTALL RAIN BIRD FC8 PRESSURE COMPENSATING SCREENS ON ALL SPRAY HEADS SPACED 4 FEET AND LESS. REFER TO SCHEDULE IN RAIN BIRD CATALOG FOR APPROPRIATE SCREEN.
- INSTALL IRRIGATION SLEEVES UNDER ALL PAVED SURFACES PER THE FOLLOWING SCHEDULE:

PIPE SIZE OR LINE QUANTITY	REQUIRED SLEEVES(S)
3/4" LATERAL	1-2" SDR 35 PVC
1" LATERAL	1-2 1/2" SDR 35 PVC
1 1/4" LATERAL	1-2" SDR 35 PVC
1 1/2" LATERAL	1-4" SDR 35 PVC
2" LATERAL	1-4" SDR 35 PVC
2 1/2" LATERAL	1-6" SDR 35 PVC
3" LATERAL	1-6" SDR 35 PVC
1" PRESSURE SUPPLY LINE	1-4" SDR 35 PVC
1 1/2" PRESSURE SUPPLY LINE	1-4" SDR 35 PVC
3" PRESSURE SUPPLY LINE	1-6" SDR 35 PVC
4" PRESSURE SUPPLY LINE	1-6" SDR 35 PVC
6" PRESSURE SUPPLY LINE	1-10" SDR 35 PVC
1-10" CONTROL LINES	1-10" SDR 35 PVC
2-1/2" CONTROL LINES	2-2" SDR 35 PVC

### IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DETAIL NUMBER
⊙ ⊙ ⊙	RAIN BIRD	1806-FRS 5 SERIES W/ NP COVER 5" QTR. HLF. FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙ ⊙ ⊙	RAIN BIRD	1806-FRS 8 SERIES W/ NP COVER 8" QTR. HLF. FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙ ⊙ ⊙	RAIN BIRD	1806-FRS 10 SERIES W/ NP COVER 10" QTR. HLF. FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙ ⊙ ⊙	RAIN BIRD	1806-FRS 12 SERIES W/ NP COVER 12" QTR. HLF. FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙ ⊙ ⊙	RAIN BIRD	1806-FRS 15 SERIES W/ NP COVER 15" QTR. HLF. FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙ ⊙ ⊙	RAIN BIRD	5828-88-NP-26.8	GEAR DRIVEN ROTOR (W/ 26.8 NOZZLE)	2
⊙ ⊙ ⊙	RAIN BIRD	5828-88-NP-2	GEAR DRIVEN ROTOR (W/ 2 NOZZLE)	2
⊙ ⊙ ⊙	RAIN BIRD	1008-88-NP-8	GEAR DRIVEN ROTOR (W/ 8 NOZZLE)	2
⊙ ⊙ ⊙	RAIN BIRD	1008-88-NP-10	GEAR DRIVEN ROTOR (W/ 10 NOZZLE)	2
⊙ ⊙ ⊙	RAIN BIRD	6504-PCPC-88-HS-8-P	GEAR DRIVEN ROTOR (W/ 8 NOZZLE)	2
⊙	RAIN BIRD	FEB SERIES	ELECTRIC CONTROL VALVE (SIZE PER PLAN)	3
⊙	PER DETAIL		1" DRIP VALVE ASSEMBLY	4
⊙	RAIN BIRD	44NP	QUICK COUPLING VALVE	5
⊙	RAIN BIRD	44NP	QUICK COUPLING VALVE W/ 10" ROAD CONCRETE VALVE BOX	6 & 7
⊙	APPROVED	E8P-SAT-28	FIELD SATELLITE UNIT (SEE PLAN)	11
⊙	RAIN BIRD	CCU-28-5	CLUSTER CONTROL UNIT	16
⊙	MCGAIN TRAFFIC	MPD02-ADA	PUSH BUTTON IRRIGATION START	18
⊙	ARCO	50	AIR RELEASE VALVE	8
---	EXISTING		PRESSURE SUPPLY LINE TO BE REMOVED OR ABANDON	
---	EXISTING		PRESSURE SUPPLY LINE (PROTECT IN PLACE UNTIL NEW PRESSURE SUPPLY LINE IS INSTALLED AND CONNECTED TO PUMP STATION)	
---	APPROVED	8CH 40 BE PVC	PURPLE PRESSURE SUPPLY LINE UP TO 2 1/2" (SIZE PER PLAN)	
---	APPROVED	CL 200 RT PVC	PURPLE PRESSURE SUPPLY LINE 3" AND LARGER (SIZE PER PLAN)	15
---	APPROVED	8CH 40 BE	PVC LATERAL LINE	
---	APPROVED	8CH 40 BE - 3/4"	DRIP PVC LATERAL (SHRUB) (SEE NOTE #4 FOR EMITTER)	11
---	APPROVED	8CH 40 BE - 1/2"	DRIP PVC LATERAL (TREE) (SEE NOTE #4 FOR EMITTER)	12
---	PER DETAIL		DRIP LINE BLOW-OUT STUB	10
---	APPROVED		PVC IRRIGATION SLEEVE (SEE NOTE #6)	
---			FIELD SATELLITE UNIT 4 STATION NO. GALLONS PER MINUTE PLANT TYPE ELECTRIC CONTROL VALVE SIZE	

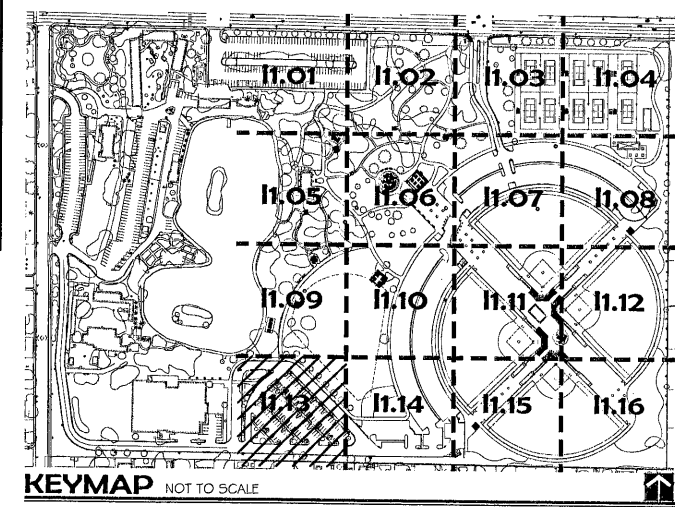
THESE PLANS ARE DIAGRAMMATIC, THEY DO NOT REPRESENT EXACT LOCATION OF IRRIGATION EQUIPMENT REFER TO SPECIFICATIONS AND DETAILS.

LATERAL PIPE SIZING IS INDICATED BY THE FOLLOWING SYMBOLS:

3/4" - I	1 1/2" - X
1" - II	2" - V
1 1/4" - III	2 1/2" - IV

**ADD ALTERNATE #1**

IF ADD ALTERNATE #1 IS NOT INSTALLED, CONTRACTOR TO INSTALL APPROXIMATELY 24 RAIN BIRD 1008-88-NP-10 ROTORS AT 41' APART ALONG THE WALK ON THE EAST EDGE OF THE ADD ALTERNATE #1. THIS WILL REQUIRE A TEMPORARY 3" PRESSURE SUPPLY LINE, APPROXIMATELY 5 VALVES AND CONTROL WIRES AS NECESSARY. VALVES ARE NOT TO EXCEED 50 GPM PER ZONE. EXISTING HEADS WITHIN THE ADD ALTERNATE AREA THAT WERE DISABLED BY THE INSTALLATION OF THE NEW IRRIGATION SYSTEM, MUST BE RECONNECTED TO THE ALTERNATE AREA #1 TEMPORARY SYSTEM AS NECESSARY. IT MAY ALSO BE NECESSARY TO ADJUST THE ARC OF EXISTING HEAD TO PREVENT OVER SPRAY ONTO THE NEW WALK. THE TEMPORARY PRESSURE SUPPLY LINE AND VALVES SHALL BE INSTALLED ON THE WEST SIDE OF THE WALK WITHIN THE ADD ALTERNATE AREA.



REVISIONS  
 1 10/12/07 OWNER COMMENTS

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