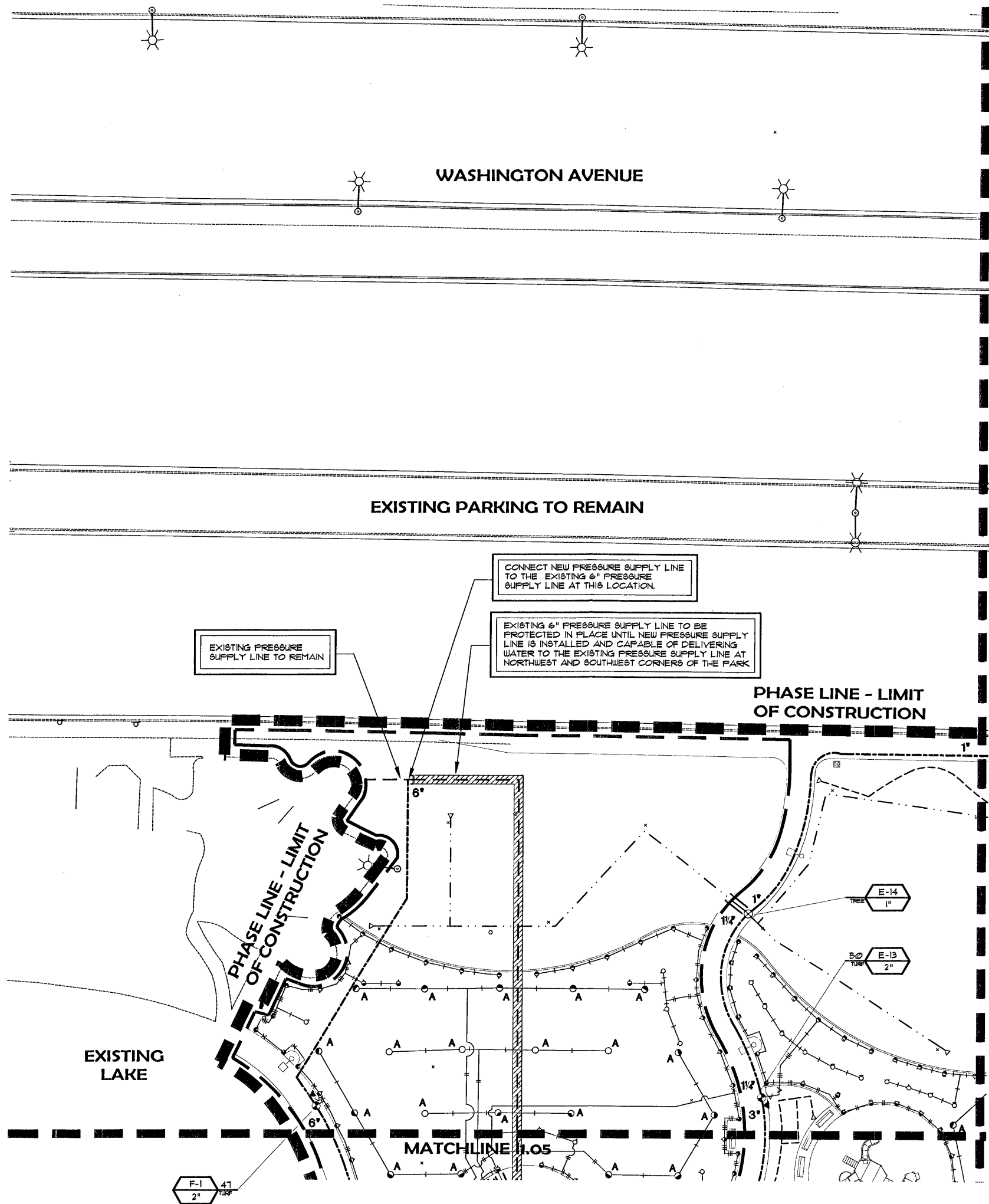




IRRIGATION NOTES

- REFER TO IRRIGATION DETAILS (SHEETS 12.01 & 12.02) 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 BOUSMITH SERIES PRESSURE COMPENSATING EMITTERS TO PLANT MATERIAL PER DETAILS #1, #2, #3 AND THE FOLLOWING SCHEDULE:

PLANT SIZE	EMITTER NUMBER	QUANTITY
3 GAL SHRUB	BOUSMITH SL210	2 EACH
24" BOX TREE	BOUSMITH SL220	6 EACH
36" BOX TREE	BOUSMITH SL220	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 CLOGGING.

- 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 PDS 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 WIRE QUANTITY	REQUIRED SLEEVE(S)
3/4" LATERAL	1-2" SDR 35 PVC
1" LATERAL	1-2" SDR 35 PVC
1 1/4" LATERAL	1-2" SDR 35 PVC
1 1/2" LATERAL	1-2" SDR 35 PVC
2" LATERAL	1-4" SDR 35 PVC
2 1/2" LATERAL	1-4" SDR 35 PVC
3" LATERAL	1-4" 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	1-4" SDR 35 PVC
4" PRESSURE SUPPLY LINE	1-4" SDR 35 PVC
6" PRESSURE SUPPLY LINE	1-4" SDR 35 PVC
1-20 CONTROL WIRES	1-2" SDR 35 PVC
21-40 CONTROL WIRES	2-2" SDR 35 PVC

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DETAIL NUMBER
⊙	RAIN BIRD	1806-PRS 5 SERIES W/ NP COVER	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙	RAIN BIRD	1806-PRS 8 SERIES W/ NP COVER	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙	RAIN BIRD	1806-PRS 10 SERIES W/ NP COVER	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙	RAIN BIRD	1806-PRS 12 SERIES W/ NP COVER	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙	RAIN BIRD	1806-PRS 15 SERIES W/ NP COVER	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
⊙	RAIN BIRD	5508-SS-NP-208	GEAR DRIVEN ROTOR (W/ 208 NOZZLE)	2
⊙	RAIN BIRD	5508-SS-NP-2	GEAR DRIVEN ROTOR (W/ 2 NOZZLE)	2
⊙	RAIN BIRD	5508-SS-NP-8	GEAR DRIVEN ROTOR (W/ 8 NOZZLE)	2
⊙	RAIN BIRD	5508-SS-NP-10	GEAR DRIVEN ROTOR (W/ 10 NOZZLE)	2
⊙	RAIN BIRD	6804-PC/PC-SS-HB-S-P	GEAR DRIVEN ROTOR (W/ 10 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/ 1" ROUND CONCRETE VALVE BOX	14
⊙	APPROVED		GATE VALVE (LINE SIZE)	6 & 7
⊙	RAIN BIRD	88P-BAT-20	FIELD SATELLITE UNIT (SEE PLAN)	11
⊙	RAIN BIRD	CCU-28-S	CLUSTER CONTROL UNIT	16
⊙	McCAIN TRAFFIC	1"PC-22-ADA	PUSH BUTTON IRRIGATION START	10
⊙	APCO	150	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	SCH 40 BE PVC	PURPLE PRESSURE SUPPLY LINE UP TO 2 1/2" (SIZE PER PLAN)	
⊙	APPROVED	CL 100 RT PVC	PURPLE PRESSURE SUPPLY LINE 3" AND LARGER (SIZE PER PLAN)	15
⊙	APPROVED	SCH 40 BE	PVC LATERAL LINE	
⊙	APPROVED	SCH 40 BE - 3/4"	DRIP PVC LATERAL (SHRUB) (SEE NOTE #4 FOR EMITTER)	11
⊙	APPROVED	SCH 40 BE - 3/4"	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 # STATION NO.	
⊙			GALLONS PER MINUTE	
⊙			PLANT TYPE	
⊙			ELECTRIC CONTROL VALVE SIZE	

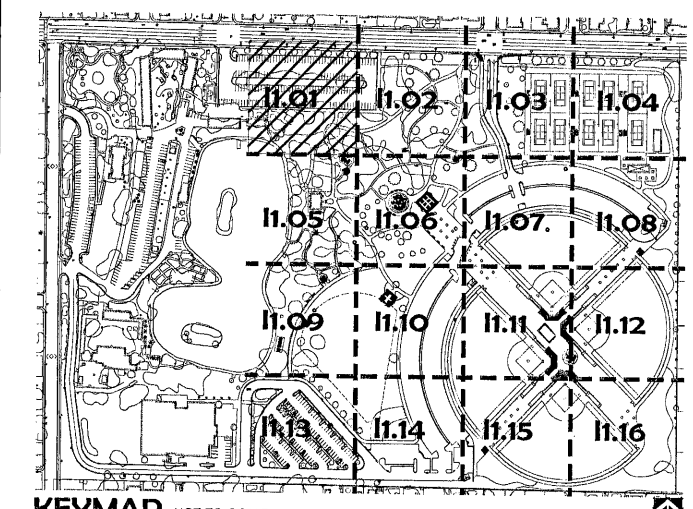
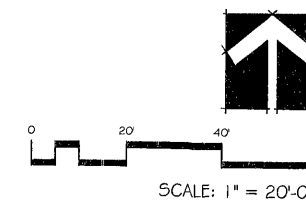
THESE PLANS ARE DIAGRAMMATIC, THEY DO NOT REPRESENT EXACT LOCATION OF IRRIGATION EQUIPMENT REFER TO SPECIFICATIONS AND DETAILS.

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		

DO NOT REMOVE 6" POTABLE EXISTING ACR LINE. SEE CIVIL UTILITY SHEETS C5.01 AND C5.02

ADD ALTERNATE #1

IF ADD ALTERNATE #1 IS NOT INSTALLED, CONTRACTOR TO INSTALL APPROXIMATELY 24 RAIN BIRD 1008-SS-NP-10 ROTORS AT 4' 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.



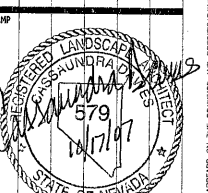
10/12/07 OWNER COMMENTS

CONSULTANT



irrigation/water resource
planning and design
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Escondido, California 92025 (760) 743-4546

Lorenzi Park Renovations
Phase 1
Irrigation Plan



OWNER: CITY OF LAS VEGAS
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