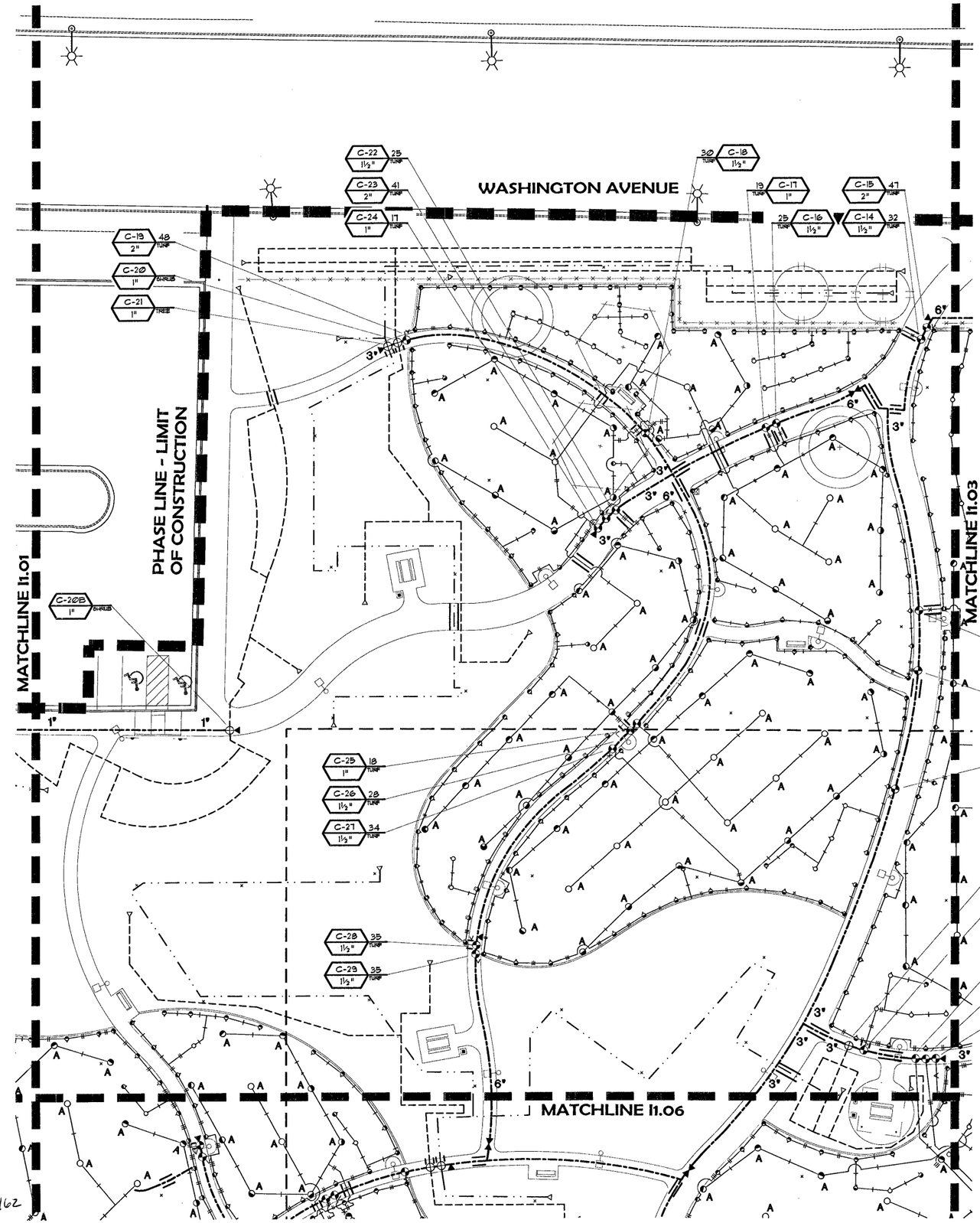

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IRRIGATION NOTES

1. REFER TO IRRIGATION DETAILS (SHEETS I2.01 & I2.02) AND SPECIFICATIONS FOR INSTALLATION PROCEDURES.
2. SYSTEM HAS BEEN DESIGNED BASED ON A STATIC WATER PRESSURE OF 80 PSI AT THE PUMP.
3. 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.
4. INSTALL BOWSMITH SERIES PRESSURE COMPENSATING EMITTERS TO PLANT MATERIAL PER DETAILS #11, #12, #13 AND THE FOLLOWING SCHEDULE:

PLANT SIZE	EMITTER NUMBER	QUANTITY
5 GAL. SHRUB	BOWSMITH 8L210	2 EACH
24" BOX TREE	BOWSMITH 8L220	6 EACH
36" BOX TREE	BOWSMITH 8L220	8 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.

5. 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 PCS PRESSURE COMPENSATING SCREENS ON ALL SPRAY HEADS SPACED 4 FEET AND LESS. REFER TO SCHEDULE IN RAIN BIRD CATALOG FOR APPROPRIATE SCREEN.
6. INSTALL IRRIGATION SLEEVES UNDER ALL PAVED SURFACES PER THE FOLLOWING SCHEDULE:

PIPE SIZE OR WIRE QUANTITY	REQUIRED SLEEVE(S)
3/4" LATERAL	1-2" SCH 35 PVC
1" LATERAL	1-2" SCH 35 PVC
1 1/4" LATERAL	1-2" SCH 35 PVC
1 1/2" LATERAL	1-4" SCH 35 PVC
2" LATERAL	1-4" SCH 35 PVC
2 1/2" LATERAL	1-6" SCH 35 PVC
3" LATERAL	1-6" SCH 35 PVC
1" PRESSURE SUPPLY LINE	1-2" SCH 35 PVC
1½" PRESSURE SUPPLY LINE	1-4" SCH 35 PVC
3" PRESSURE SUPPLY LINE	1-6" SCH 35 PVC
4" PRESSURE SUPPLY LINE	1-8" SCH 35 PVC
6" PRESSURE SUPPLY LINE	1-10" SCH 35 PVC
1-20 CONTROL WIRES	1-2" SCH 35 PVC
21-40 CONTROL WIRES	2-2" SCH 35 PVC

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL NUMBER	DESCRIPTION	DETAIL NUMBER
	RAIN BIRD	1806-PRS 5 SERIES W/ NP COVER 5' QTR, HLF, FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
	RAIN BIRD	1806-PRS 8 SERIES W/ NP COVER 8 QTR, HLF, FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
	RAIN BIRD	1806-PRS 10 SERIES W/ NP COVER 10' QTR, HLF, FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
	RAIN BIRD	1806-PRS 12 SERIES W/ NP COVER 12' QTR, HLF, FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
	RAIN BIRD	1806-PRS 15 SERIES W/ NP COVER 15' QTR, HLF, FULL NOZZLE	6" POP-UP SPRAY HEAD (SEE NOTE #5)	1
A A A A	RAIN BIRD	5506-55-NP-26.5	GEAR DRIVEN ROTOR (W/ #26.5 NOZZLE)	2
B B B B	RAIN BIRD	5506-55-NP-2	GEAR DRIVEN ROTOR (W/ #2 NOZZLE)	2
C C C C	RAIN BIRD	7006-55-NP-8	GEAR DRIVEN ROTOR (W/ #8 NOZZLE)	2
	RAIN BIRD	7006-55-NP-10	GEAR DRIVEN ROTOR (W/ #10 NOZZLE)	2
D D	RAIN BIRD	6504-PC/PC-55-H8-8-P	GEAR DRIVEN ROTOR (W/ #8 NOZZLE)	2
	RAIN BIRD	PEB 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" ROUND CONCRETE VALVE BOX	14
	APPROVED		GATE VALVE (LINE SIZE)	6 & 7
	RAIN BIRD	ESP-SAT-25	FIELD SATELLITE UNIT (SEE PLAN)	17
	RAIN BIRD	CCU-28-S	CLUSTER CONTROL UNIT	16
P	McCAIN TRAFFIC	MPD.02-ADA	PUSH BUTTON IRRIGATION START	18
	APCO	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	SCH 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	SCH 40 BE	PVC LATERAL LINE	
	APPROVED	SCH 40 BE - ¾"	DRIP PVC LATERAL (SHRUB) (SEE NOTE #4 FOR EMITTER)	11
	APPROVED	SCH 40 BE - ¾"	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)	

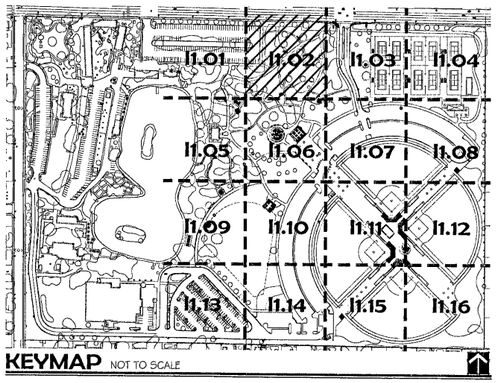
FIELD SATELLITE UNIT & STATION NO.
GALLONS PER MINUTE
PLANT TYPE
ELECTRIC CONTROL VALVE SIZE

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:

¾" — I	1½" — X
1" — II	2" — V
1¼" — III	2½" — IV

0 20' 40' 60'
SCALE: 1" = 20'-0"



KEYMAP NOT TO SCALE

REVISIONS		
1	10/12/07	OWNER COMMENTS

CONSULTANT

irrigation/water resource planning and design
120 W. Grand Ave., Suite 201 Escondido, California 92025 (760) 743-4549

Lorenzi Park Renovations
Phase 1
Irrigation Plan

STAMP: REGISTERED LANDSCAPE ARCHITECT SAUNDRA J. WILLIAMS 579 10/17/07 STATE OF NEVADA

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES
400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-5535
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DRAWN	DAB / TW
FILE	06-083
DATE	JUNE-2007
SCALE	AS SHOWN
BID NO	07.5314.0
CLV DWG NO	650.19-47
SHT NO	I1.02

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