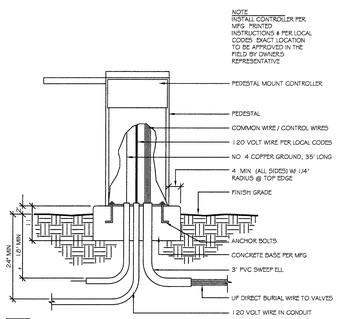
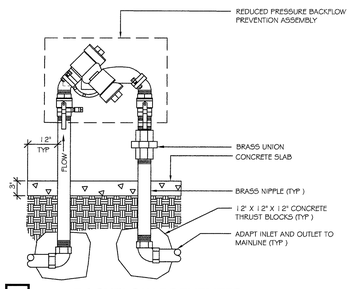
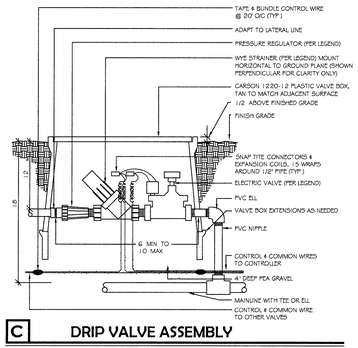


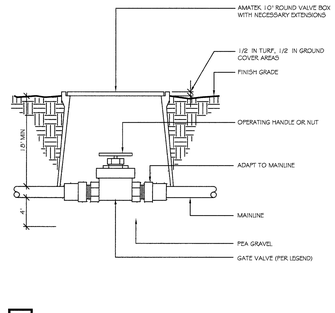
A CONTROLLER



B BACKFLOW PREVENTER



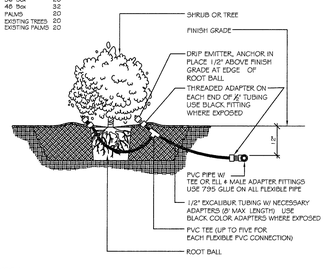
C DRIP VALVE ASSEMBLY



D GATE VALVE

EMITTER QUANTITIES

PLANT SIZE	QTY.
5 Gal	2
15 Gal	8
24 Box	12
36 Box	20
48 Box	32
PALMS	20
EXISTING TREES	20
EXISTING PALMS	20



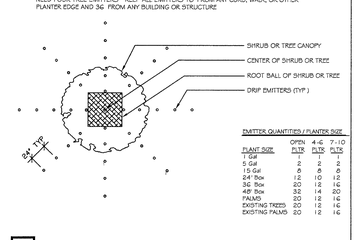
E DRIP EMITTER

NOTES

1) THIS IS A SUGGESTED EMITTER LAYOUT PLAN. ACTUAL LAYOUT MAY VARY DEPENDING ON SURROUNDING FEATURES. THE INTENT IS TO PROVIDE WATER FOR FUTURE ROOT GROWTH

2) ADJACENT TREES AND SHRUBS MAY SHARE THE SAME EMITTER WHERE PATTERNS OVERLAP

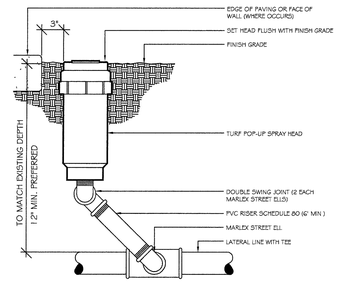
3) BEGIN PLACEMENT OF EMITTERS ADJACENT TO ROOT BALL OF PLANT AND WORK OUTWARD IN ALL DIRECTIONS UNTIL THE REQUIRED NUMBER OF EMITTERS PER PLANT IS OBTAINED. WHERE LARGE PLANTS ARE INSTALLED IN NARROW PLANTERS REDUCE THE QUANTITY OF EMITTERS TO FIT THE SPACE (SEE TABLE BELOW). 5'-0" SQUARE PARKING LOT PLANTERS ONLY NEED FOUR TREE EMITTERS. KEEP ALL EMITTERS 18" FROM ANY CURB, WALK, OR OTHER PLANTER EDGE AND 36" FROM ANY BUILDING OR STRUCTURE



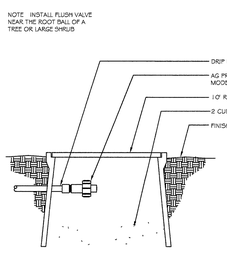
EMITTER QUANTITIES / PLANTER SIZE

PLANT SIZE	OPEN	4'-6" PLTR	7'-10" PLTR
1 Gal	1	1	1
5 Gal	2	2	2
15 Gal	8	8	8
24" Box	12	10	12
36" Box	20	12	16
48" Box	32	14	20
PALMS	20	12	16
EXISTING TREES	20	12	16
EXISTING PALMS	20	12	16

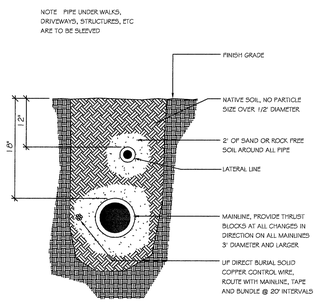
F EMITTER LAYOUT DETAIL



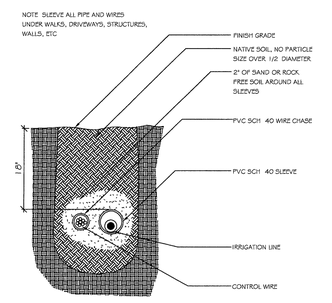
G TURF HEAD



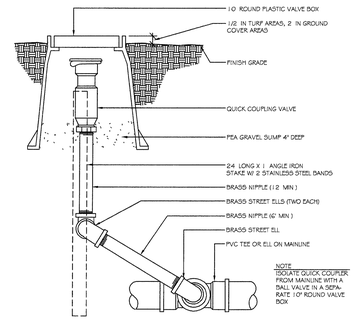
H DRIP FLUSH VALVE



I TRENCH SECTION



J SLEEVE SECTION



K QUICK COUPLER

SYMBOL	MANUFACTURER-MODEL NUMBER	PAT.	RD.	PSI	GPM F	GPM TQ	GPM TT	GPM H	GPM T	GPM Q	DRIP GPH	DTL.	REMARKS
NOT SHOWN	AGRIFIM THREADED EMITTER, UFC-20, PRESSURE COMP.	F	--	30							2.0	E,F	FOR ALL TREES
NOT SHOWN	AGRIFIM THREADED EMITTER, UFC-10, PRESSURE COMP.	F	--	30							1.0	E	FOR ALL SHRUBS
A	AQUA CONSERVE ET-1 6SP-1 - 1 6 STATION CONTROLLER W/ STAINLESS STEEL PEDESTAL ENCLOSURE											A	
	BACKFLOW PREVENTER. FEBCO 825YA-2" REDUCED PRESSURE BACKFLOW PREVENTER ASSEMBLY											B	
	BRONZE GATE VALVE, NIBCO T-113, SIZE PER MAINLINE											D	
	DRIP VALVE ASSEMBLY. RAINBIRD PEB-100 SERIES VALVE, AGRICULTURAL PRODUCTS, INC. 4E-1" 200 MESH SCREEN FILTER AND SPANNINGER PMR MF-1" 50 PSI PRESSURE REGULATOR											C	
	QUICK COUPLER. RAINBIRD 44NP QUICK COUPLER WITH LOCKING RUBBER COVER. PROVIDE 44K KEY AND 5H-1 HOSE SWIVEL											K	
E	AGRICULTURAL PRODUCTS, INC. AUTOMATIC END FLUSH VALVE, MODEL FCH-H (BLACK DISK).											H	
	MAINLINE, PVC SCH. 40, SIZE PER PLANS, 24" MINIMUM COVER.											I	
	DRIP LINE HEADER. PVC SCH 40, 3/4" DIAMETER, 12" MIN. COVER WITH 1/2" IPS THICK WALLED FLEXIBLE PVC TO EMITTER											E,I	
	SLEEVES, PVC SCH. 40, SIZE PER PLAN, 18" MINIMUM COVER. EXTEND 18" PAST EDGE OF PAVEMENT											J	
NOT SHOWN	CONTROL WIRE FROM VALVES TO CONTROLLER, UF DIRECT BURIAL, SOLID COPPER, 12 GA. COMMON, 14 GA. PILOT.											I,J	ROUTE WITH MAINLINE

IRRIGATION LEGEND

SOUTHWICK LANDSCAPE ARCHITECTS
6362 McLeod Drive, Suite 3
Las Vegas, NV 89120
702.597.3108

86278

REVISIONS

CONSULTANT

JMA ARCHITECTURE STUDIOS
10150 COVINGTON CROSS DRIVE LAS VEGAS, NEVADA 89144 (702)731-2022

CITY OF LAS VEGAS

DOWNTOWN SENIOR SERVICES CENTER

NEIGHBORHOOD SERVICES

BUILDINGS 2 AND 3

BID SET

STAMP

OWNER: CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
ARCHITECTURAL SERVICES

400 EAST STEWART AVENUE
LAS VEGAS, NEVADA 89101
PHONE: (702) 229-6535
FAX: (702) 382-3232
TDD: (702) 386-9108

DRAWN	CD
FILE	03-078
DATE	September 8, 2004
SCALE	AS SHOWN
BID NO	04153410 1
CLV DWG NO	521-287
	IRRIGATION DETAILS
SHT NO	L4.01

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