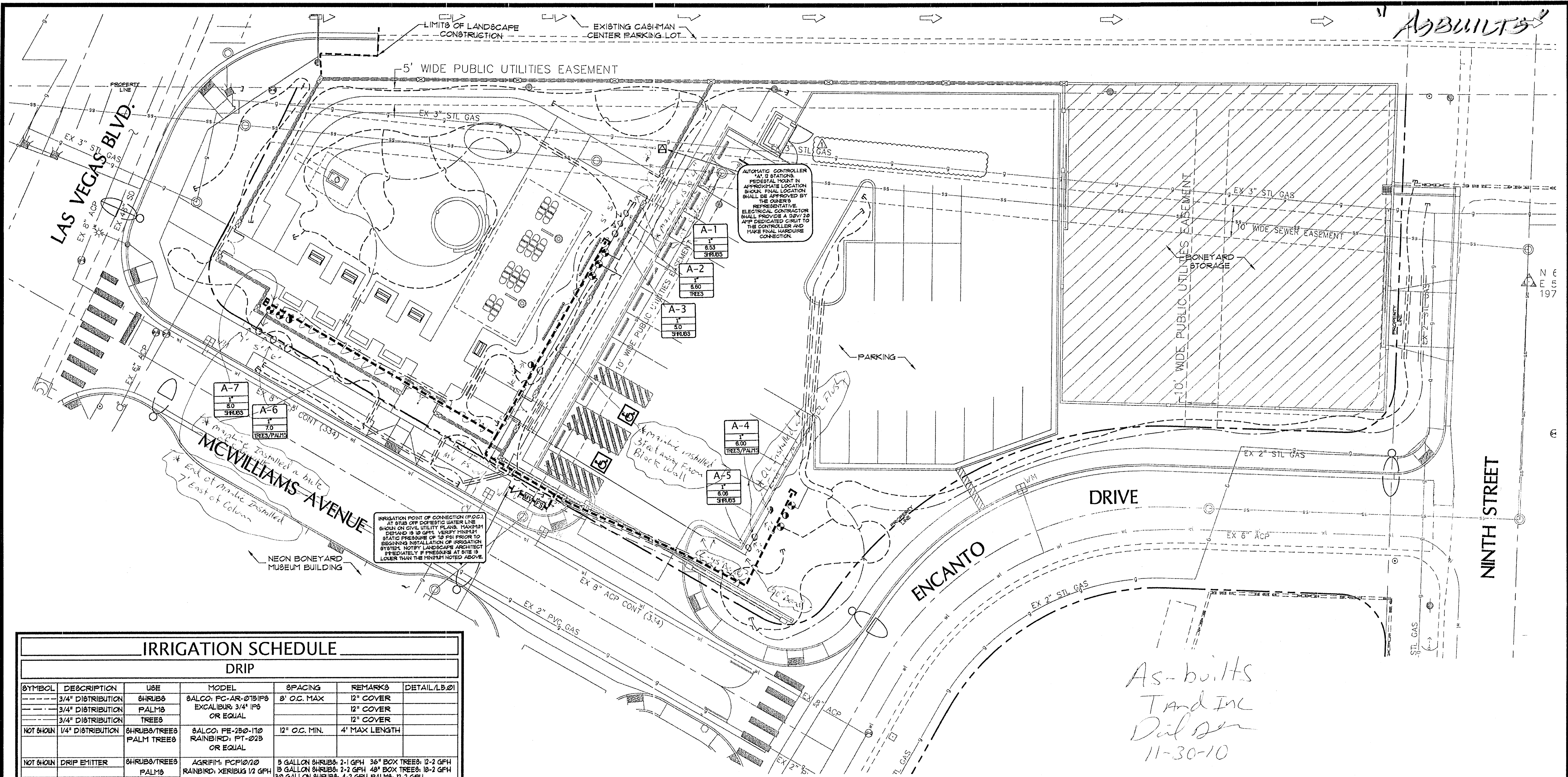




IRRIGATION SCHEDULE						
DRIP						
SYMBOL	DESCRIPTION	USE	MODEL	SPACING	REMARKS	DETAIL/L.S.NO
----	3/4" DISTRIBUTION	SHRUBS	SALCO: FC-AR-0151F8	8' O.C. MAX	12" COVER	
----	3/4" DISTRIBUTION	PALMS	EXCALIBUR 3/4" F8		12" COVER	
----	3/4" DISTRIBUTION	TREES	OR EQUAL		12" COVER	
NOT SHOWN	1/4" DISTRIBUTION	SHRUBS/TREES PALM TREES	SALCO: FE-250-1120 RAINBIRD: PT-225 OR EQUAL	12" O.C. MIN.	4' MAX LENGTH	
NOT SHOWN	DRIP EMITTER	SHRUBS/TREES PALMS	AGRIPIE: FCP10120 RAINBIRD: XERIBUB 1/2 GPH OR EQUAL	5 GALLON SHRUBS: 2-1 GPH 36" BOX TREES: 12-2 GPH 18 GALLON SHRUBS: 2-2 GPH 48" BOX TREES: 18-2 GPH 30 GALLON SHRUBS: 4-2 GPH PALMS: 12-2 GPH		

PIPE AND WIRE		
SYMBOL	MANUFACTURER - MODEL NUMBER	DETAIL SHEET
— — —	MAINLINE: PVC SCH. 40 (1-1/2" DIA) 18" MINIMUM COVER	
— — —	3/4" LATERAL LINE UNLESS OTHERWISE NOTED ON PLAN, PVC SCH. 40, 12" MIN. COVER	
— — —	SLEEVES, PVC SCH. 40, SIZE PER PLAN, 18" MINIMUM COVER - SEE NOTES 5 & 6	
NOT SHOWN	CONTROL WIRE, UP DIRECT BURIAL, 801D COFFER, 12 GA. COTTON, 14 GA. PILOT	

EQUIPMENT			
KEY	DESCRIPTION	DETAIL/6 SHEET	
	IRRIGATION CONTROLLER, RAINBIRD ESP-120ITE-S, IRRIGATION CONTROLLER, STAINLESS STEEL PEDESTAL, 12 STATION WITH INTEGRATED CCU AND FULL MAXICOM CONNECTIVITY	0/L5.01	
	BACKFLOW PREVENTER, FIBCO 825 Y-A-1-1/2" REDUCED PRESSURE BACKFLOW PREVENTER (OR EQUAL) WITH INSULATED TAN COLOR FIBERGLASS ENCLOSURE (HOTBOX)	0/L5.01	
	MASTER VALVE: 1-1/2" BERMAID 410 NORMALLY OPEN OR EQUAL. INSTALL PER MFR. RECOMMENDATIONS		FLOW SENSOR: 1-1/2" RAINBIRD FS-100B (OR EQ.) INSTALL PER MFR. RECOMMENDATIONS
	QUICK COUPLER, RAINBIRD 33DILRC, 3/4" BRONZE QUICK COUPLER (OR EQUAL) WITH TWO MATCHING KEYS & HOSE GUIDELS	10/L5.01	
	DRIP VALVE ASSEMBLY: RAINBIRD 100FEB OR EQUAL WITH SENNINGER PRESSURE REGULATOR PRL 25 OR EQUAL AND INLINE RAINBIRD RBY100MPTX OR EQUAL	11/L5.01	
	FLUSH VALVE ASSEMBLY: AG PRODUCTS FCH-FIPT (LINE SIZE) OR EQUAL	15/L5.01	

NOTES									
1. SYSTEM DESCRIPTION: CONTRACTOR SHALL INSTALL A FULLY AUTOMATED DRIP IRRIGATION SYSTEM TO IRRIGATE THE NEW PLAZA PARK AS WELL AS MAKE MODIFICATIONS TO THE EXISTING IRRIGATION SYSTEM. A SIGHT AND SOUND CONNECTION SHALL BE PROVIDED TO THE EXISTING IRRIGATION SYSTEM. (VALVE, COMPATIBLE CONTROLLER, GATE VALVE), QUICK COUPLERS, BOXES, MAINLINE, REMOTE CONTROL DRIP VALVES, LATERAL LINES, DRIP EMITTERS AND FLUSH VALVES.	7. CONTRACTOR SHALL INSTALL 100% COVERAGE SYSTEM FULLY ADJUSTED TO PREVENT OVER SPRAY AND RUNOFF ONTO WALLS AND PAVED SURFACES. CONTRACTOR SHALL MAINTAIN 100% COVERAGE AND ADJUSTMENT OF SYSTEM UNTIL FINAL ACCEPTANCE BY OWNER.								
2. CONTRACTOR SHALL, THOROUGHLY READ AND BECOME FAMILIAR WITH THE PROJECT SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION. COORDINATE AND MARKING SHALL BE DONE BEFORE YOU DIG TO AVOID DAMAGE AND UTILITIES PRIOR TO CONSTRUCTION.	8. CONTRACTOR SHALL PROVIDE IRRIGATION AS-BUILT NOTES PRIOR TO FINAL ACCEPTANCE BY OWNER. AS-BUILT NOTES SHALL BE CLEARLY INDICATED AND COLOR CODED. AS-BUILT NOTES SHALL BE A COMPLETE AND AN ACCURATE REPRESENTATION OF ALL SIGNIFICANT CHANGES, INCLUDING LOCATIONS OF VALVES, MAINLINES, LATERAL LINES, NETIPIF ZONES, AND SPRAY HEADS. FINAL RECORD DRAWINGS SHALL BE PREPARED IN AUTOCAD FORMAT BY THE CONTRACTOR.								
3. DO NOT PROCEED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM WHEN IT IS DISCOVERED IN THE FIELD THAT OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE DESIGN AND ENGINEERING PROCESS OR IF DISCREPANCIES IN CONSTRUCTION DETAILS, LEGEND, NOTES, OR SPECIFICATIONS EXIST. DISCREPANCIES AND OR OBSTRUCTIONS BEING OR NOT BEING NOTED BY THE ATTENTION OF THE OWNER'S REPRESENTATIVE IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION.	9. INSTALL SLEEVING BASED ON THE SIZING GUIDE BELOW:								
4. INSTALL ALL POWER TO THE IRRIGATION CONTROL SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL APPLICABLE LOCAL ELECTRIC UTILITY CODES.	<table> <tr> <th>PIPE SIZE</th><th>REQUIRED SLEEVING</th></tr> <tr> <td>1" TO 2" PVC MAINLINE</td><td>1 - 4" SCH 40 PVC SLEEVE</td></tr> <tr> <td>1 1/2" PVC LATERAL</td><td>1 - 2" SCH 40 PVC SLEEVE</td></tr> <tr> <td>3/4" TO 1 1/4" PVC LATERAL</td><td>1 - 2" SCH 40 PVC SLEEVE</td></tr> </table>	PIPE SIZE	REQUIRED SLEEVING	1" TO 2" PVC MAINLINE	1 - 4" SCH 40 PVC SLEEVE	1 1/2" PVC LATERAL	1 - 2" SCH 40 PVC SLEEVE	3/4" TO 1 1/4" PVC LATERAL	1 - 2" SCH 40 PVC SLEEVE
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5. CONTRACTOR SHALL, AT THE DIRECTION OF THE CITY, COORDINATE FOR THE MODIFICATION OF THE EXISTING PRIVATELY SUPPLIED AND CONTROLLED IRRIGATION SYSTEM WITH THE PROPERTY OWNER SOUTH OF THE PROJECT.	<table> <tr> <th>WIRE QUANTITY</th><th>REQUIRED SLEEVING</th></tr> <tr> <td>1 - 25 CONTROL WIRES</td><td>1 - 2" SCH 40 PVC SLEEVE</td></tr> <tr> <td>26 - 50 CONTROL WIRES</td><td>2 - 2" SCH 40 PVC SLEEVE</td></tr> </table>	WIRE QUANTITY	REQUIRED SLEEVING	1 - 25 CONTROL WIRES	1 - 2" SCH 40 PVC SLEEVE	26 - 50 CONTROL WIRES	2 - 2" SCH 40 PVC SLEEVE		
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6. IRRIGATION LAYOUT IS DRAIN FOR GREATEST CLARITY. MAINLINE AND OTHER COMPONENTS ARE SHOWN UNDER SOME PAVED AREAS, BUT SHALL BE INSTALLED IN LANDSCAPE AREAS WHENEVER POSSIBLE. VALVE BOXES SHALL BE LOCATED OUTSIDE OF TURF AREAS AWAY FROM DOMINATE VIEW AND POSITIONED IN PLANTER AREAS TO CAUSE THE LEAST POSSIBLE CONFLICT WITH ROOT BALLS OF TREES AND SHRUBS. CARE SHALL BE TAKEN NOT TO ELIMINATE PLANTS UNLESS ABSOLUTELY NECESSARY, AND ONLY WITH PRIOR APPROVAL OF LANDSCAPE ARCHITECT.	10. CONTRACTOR TO PROVIDE ONE ADDITIONAL 2" SLEEVE AND ONE ADDITIONAL 4" SLEEVE WHERE IRRIGATION LINES CROSS ROADWAYS.								
	<table> <tr> <td>A-1</td><td>CONTROLLER/STATION NUMBER</td></tr> <tr> <td>1</td><td>VALVE SIZE</td></tr> <tr> <td>5</td><td>APPROX. GPM</td></tr> <tr> <td>1/2"</td><td>PLANT MATERIAL</td></tr> </table>	A-1	CONTROLLER/STATION NUMBER	1	VALVE SIZE	5	APPROX. GPM	1/2"	PLANT MATERIAL
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