

IRRIGATION NOTES

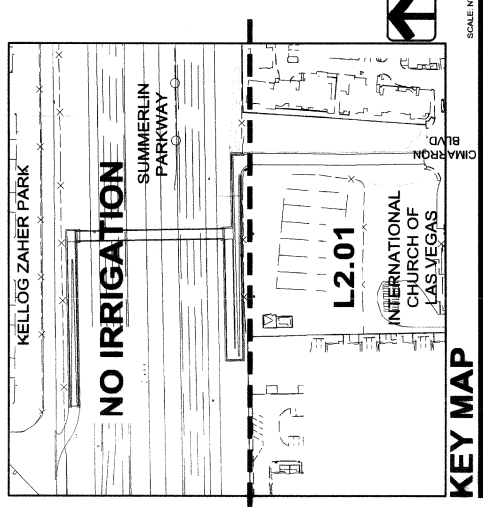
- 1) SEE SHEETS L2.02 AND L2.03 FOR IRRIGATION DETAILS.
- 2) INSTALL MAINLINE ADJACENT AND PARALLEL TO CURB OR SIDEWALK WHERE POSSIBLE. INSTALL CONTROL WIRE ADJACENT TO MAINLINE WHERE POSSIBLE.
- 3) AVOID ALL UTILITIES AND OBSTRUCTIONS.
- 4) CONTRACTOR TO MAKE IRRIGATION POINT OF CONNECTION DOWNSTREAM FROM WATER METER AND BACKFLOW PREVENTER. SEE CIVIL DRAWINGS.
- 5) CONTRACTOR TO COORDINATE EXACT LOCATION AND ORIENTATION OF IRRIGATION CONTROLLERS WITH OWNER. CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR AND ALL TRADES.
- 6) BRING ANY DISCREPANCIES IMMEDIATELY TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR IMMEDIATE RESOLUTION.
- 7) THE DRAWINGS ARE DIAGRAMMATIC. THEREFORE, THE FOLLOW SHOULD BE NOTED:
 - A. IRRIGATION COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS OR WITHIN HARDSCAPE, FOR GRAPHIC PURPOSES ONLY. CONTRACTOR TO VERIFY EXACT LOCATION AND ORIENTATION OF IRRIGATION COMPONENTS SURFACES AND ARCHITECTURAL FEATURES. INSTALL IRRIGATION PIPE AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE.
 - B. USE ONLY STANDARD TEES AND ELBOW FITTINGS. USE OF CROSS TYPE FITTINGS IS NOT PERMITTED.
- 8) THE IRRIGATION CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF IRRIGATION SLEEVING. SLEEVES ARE TO BE INSTALLED THROUGH PARALLEL AND ELECTRICAL WIRING AT EACH HARDSCAPE CROSSING. COORDINATE INSTALLATION OF SLEEVING WITH OTHER TRADES.
- 9) IRRIGATION POINT-OF-CONNECTION: PROVIDE TRANSITION FITTINGS AS REQUIRED FOR CONNECTION OF MAINLINE PIPE TO PIPE STUB-OUT DOWNSTREAM OF WATER METER (SEE UTILITY PLANS). VERIFY EXACT LOCATION, SIZE AND ALIGNMENT OF POINT-OF-CONNECTION PRIOR TO CONSTRUCTION.
- 10) FULLY AUTOMATED DRIP IRRIGATION SYSTEM WILL IRRIGATE SHRUBS AND TREES AND HAS BEEN DESIGNED TO ACCOMMODATE A MAXIMUM OF 13 GPM PER DRIP VALVE ASSEMBLY. SINGLE-OUTLET DRIP EMITTERS WILL IRRIGATE SHRUBS AND IN-LINE DRIP TUBING WILL IRRIGATE TREES. MUNICIPAL (POTABLE) WATER WILL BE USED FOR IRRIGATION ON THE PROJECT.
- 11) IRRIGATION BURIAL TAPE SHOULD BE INSTALLED THROUGHOUT ENTIRE IRRIGATION MAINLINE AND CONTROL WIRE INSTALLATION.
- 12) CONTROLLER WILL COMMUNICATE WITH CLV CENTRAL CONTROLS THROUGH WIRELESS NETWORK COMMUNICATION.

IRRIGATION SCHEDULE

SYMBOL		ITEM	DESCRIPTION	DETAIL(S)
~		POINT OF CONNECTION	MAKE POINT OF CONNECTION DOWNSTREAM OF METER AND BACKFLOW PREVENTER. SEE CIVIL ENGINEERING PLANS.	
[A]		CONTROLLER	RAINBIRD 50 STATION ESP-RXD CONTROLLER WITH IQ3G-USA NETWORK COMMUNICATION CARTRIDGE. CONNECT TO POWER AND VALVES. LXMM-PED METAL PEDESTAL MOUNT. THIS CONTROLLER UTILIZE A 2 WIRE SYSTEM.	"A" SHEET L2.02
[B]		FLOW METER	FLOW SENSOR RAINBIRD FS 200B. INSTALL WITH 2 WIRE NETWORK COMMUNICATION CARTRIDGE PER MANUFACTURERS INSTRUCTIONS.	"B" SHEET L2.02
[C]		SHRUB DRIP VALVE	DRIP VALVE ASSEMBLY, RAINBIRD 100-PEB VALVE, RAINBIRD PSH-M30X-100 (EMITTERS).	"C" SHEET L2.02
[D]		TREE DRIP VALVE	DRIP VALVE ASSEMBLY, RAINBIRD 100-PEB VALVE, RAINBIRD FILTER OKCHK-100, RAINBIRD PRESSURE REGULATOR RAINBIRD PSH-M30X-100 (IN-LINE TUBING).	"D" SHEET L2.02
[E]		GATE VALVE	SIZE PER LINE UNDER 3" BRASS GATE VALVE WITH BUTTERFLY OPERATING HANDLE.	"E" SHEET L2.02
[F]		QUICK COUPLER	RAINBIRD 4ANP WITH LOCKING RUBBER COVER, AND SH-1 HOSE SWIVELS. PROVIDE WATCHING KEYS.	"F" SHEET L2.02
[G]		FLUSH VALVE	AUTOMATIC END FLUSH VALVE, JAIN IRRIGATION, INC. MODEL PCH-H (BLACK DISC). INSTALL AT THE END OF ALL DRIP LINE HEADERS.	"G" SHEET L2.02
[H]		MAINLINE	SCHEDULE 40 PVC. SIZE PER PLAN.	"H" SHEET L2.02
[I]		DRIP LINE HEADER FOR SHRUBS	1" DIAMETER SCHEDULE 40 PVC. WITH 1/2" SALCO PVC AR-050-IPS (OR EQUAL) THICK WALLED FLEXIBLE PVC TO EMITTER.	"I", "J", "K" SHEET L2.02
[L]		DRIP LINE HEADER FOR TREES	1" DIAMETER SCHEDULE 40 PVC. WITH NETAFIM 17 MM TECHLINE CV IN-LINE DRIP TUBING, MODEL WLCV9-24.	"L", "M" SHEET L2.03
[N]		SLEEVE	SCHEDULE 40 PVC. SIZE PER PLAN. INSTALL 18" BEYOND HARD SURFACE.	"N" SHEET L2.02
[O]		WIRE CHASE	SCHEDULE 40 PVC. SIZE PER PLAN. INSTALL 18" BEYOND HARD SURFACE.	"O" SHEET L2.02
[P]		CONTROL WIRES	FROM VALVES TO CONTROLLER; 14 GAUGE MAXI-CABLE AVAILABLE THROUGH RAINBIRD OR APPROVED EQUAL ROUTE WITH MAINLINE. SEE NOTE #11.	"P", "Q" SHEET L2.02
[R]		IN-LINE DRIP TUBING FLUSH VALVE	NETAFIM MODEL TL50V	"R" SHEET L2.03
[S]		VALVE IDENTIFICATION TAG	VALVE STATION, VALVE SIZE, MAXIMUM GPM PER VALVE AND PLANT/IRRIGATION TYPE.	
[T]		BACKFLOW PREVENTOR AND PRESSURE REDUCING VALVE	FERCO 825Y(A) WITH BRASS NIPPLES, 1/2" WATTS LFUBB-23 AND STRONG BOX SMOOTH TOUCH VANDAL RESISTANT STAINLESS STEEL ENGINES.	"T" SHEET L2.03
[U]		2 WIRE DECODER	2 WIRE DECODER AVAILABLE THROUGH RAINBIRD, INSTALL PER VALVE. 50-210 SENSOR DECODER AVAILABLE THROUGH RAINBIRD. INSTALL 1 PER FLOW SENSOR. INSTALL PER MANUFACTURERS INSTRUCTIONS.	"U", "V" SHEET L2.02
[W]		LINE SURGE PROTECTOR	LSP-1 TURF SURGE PROTECTOR AVAILABLE THROUGH RAINBIRD. INSTALL ONE NEAR CONTROLLER, ONE AT END OF EACH TWO WIRE PATH AND MINIMUM 1 PER 500' OF MAXI-CABLE PER MANUFACTURERS INSTRUCTIONS. LOCATE IN VALVE BOX WHEN AVAILABLE OR 10' ROUND PLASTIC BOX.	"W" SHEET L2.03

EMITTERS, SPRAY HEADS AND ROTOR HEADS

SYM.	MANUFACTURER/MODEL	PAT.	RD	PSI	GPM						DRIP GPH	DETAIL(S)	
					Q	T	H	TT	TQ	F			
NOT SHOWN	NETAFIM 17 MM TECHLINE CV IN-LINE DRIP TUBING, MODEL #TLCV6 FOR ALL TREES	F	-	30	-	-	-	-	-	-	-	0.9	"L", "M", "N", "O", "P", "Q", "R", "S", "T", "U", "V", "W" SHEET L2.03
NOT SHOWN	THREADED EMITTER, SALCO PRO SPEC SLV-05TC-CV-1 SINGLE VALVE, 1/2" FPT INLET, CHECK FOR ALL SHRUBS	F	-	30	-	-	-	-	-	-	-	1.0	"G", "H", "I" SHEET L2.02



CIMARON PEDESTRIAN BRIDGE AT SUMMERLIN PARKWAY AND NOTES

CITY OF LAS VEGAS
DEPARTMENT OF PUBLIC WORKS
CAPITAL PROJECT MGMT

PREPARED FOR
SOUTHWICK LANDSCAPE ARCHITECTS
1700 W HARBOR DRIVE, SUITE 200
LAS VEGAS, NV 89102
WWW.SOUTHWICK.COM

H# 48938
SUBMITTAL STAGE: 100% FINAL
DATE: JANUARY 2018
DESIGNED BY: MED
DRAWN BY: MED
CHECKED BY: SMS

TITLE
SHEET

SHEET L2.00
67 OF 86
DRAWING NO.
676-22
FEDERAL PROJECT NUMBER: CM-00031180