

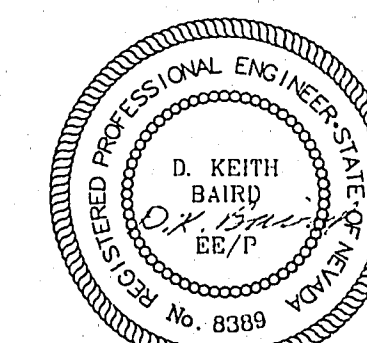
CONDUIT, WIRE, & CABLE SCHEDULE						
LINE NO.	CONDUIT	CONDUCTORS	FROM	TO	ROUTE	REMARKS
1		SEE SITE PLAN FOR CONDUIT AND CONDUCTOR	NPC XFMR	MCC	UNDERGROUND	SHIELDED, SEE NPC SPECS
2		SEE SITE PLAN FOR CONDUIT AND CONDUCTOR	MCC	WELL	UNDERGROUND	SHIELDED, SEE SPECS
3	1-1/2"	COAXIAL XTMR CABLE	RTU	ANTENNA	UNDERGROUND	RTU CABINET POSITION G
4	3/4"	2-#12, 1-#12, 600V (CU)	BOOSTER PUMP	BOOSTER PUMP STARTER PANEL "A" CKT. #6	UNDERGROUND	
5	3/4"	2-#14	RTU	BOOSTER PUMP STARTER	UNDERGROUND	RTU CABINET POSITION F
6	1-1/4"	2-2/C#18, TSP	RTU	METERING PUMP	UNDERGROUND	RTU CABINET POSITION H
7	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #5	METERING PUMP	UNDERGROUND	
8		2-#14				
9		1-2/C#18, TSP	RTU	LEVEL INDICATOR	UNDERGROUND	RTU CABINET POSITION H (SHARED IN CONDUIT W/ (6))
10						
11						
12	1"	4-#12, 1-#12, 600V(CU)	BOOSTER PUMP STARTER LOUVER STARTER	EXHAUST FAN/LOUVERS	UNDERGROUND	2-#14 CONTROL WIRE SHOULD ROUTE FROM SWITCH TO THE STARTER BOX. SEE DETAIL 3/E9
13	3/4"	2#14	RTU	METERING PUMP STARTER	UNDERGROUND	RTU CABINET POSITION F (SHARED IN CONDUIT W/ (5))
14		3-2/C #18 TSP	FLOW TRANSMITTER	RTU	EXPOSED	RTU CABINET POSITION C
15	1-1/4"	DISTRICT FURNISHED WIRE	FLOW ELEMENT	FLOW TRANSMITTER	UNDERGROUND	VIA JUNCTION BOX
16	3/4"	2-#12, 1-#12	PANEL "A" CKT. #18	HEAT TRACE	UNDERGROUND	IN CONDUIT W/ (29)
17	3/4"	2-#10, 1-#12, 600V (CU)	PANEL "A" CKT. #1,3	HVAC	UNDERGROUND	AT CONTROL BUILDING
18	3/4"	2-#10, 1-#12, 600V (CU)	PANEL "A" CKT. #2,4	HVAC	UNDERGROUND	AT DISINFECTION BUILDING
19	3/4"	4-#14	RTU	INTRUSION ALARM SENSOR & SWITCH	UNDERGROUND	RTU CABINET POSITION J
20	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #12	LIGHT OUTLET	UNDERGROUND	
21	3/4"	10-#14 (INCLUDES SPARES)	PLC	MCC	UNDERGROUND	
22	2"	3/8" NYLON TUBING	NITROGEN DRAWDOWN ASSEMBLY	DRAWN DOWN OF PUMP	UNDERGROUND	PNEUMATIC LINE, SEE SPECS
23	1"	6-#18, 2-2/C#18, TSP	RTU	NITROGEN DRAWDOWN ASSEMBLY	UNDERGROUND	RTU CABINET POSITION D
24	1"	2-2/C #18 TSP	PLC	RTU	UNDERGROUND	INCLUDE SPARE RTU CABINET POSITION B
25	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #14	PLC	UNDERGROUND	
26	1"	2-#8, 1-#10, 600V (CU)	PANEL "A" CKT. #11	LIGHT POLE	UNDERGROUND	VIA PHOTOCELL AND SWITCH (SEE DETAIL 5/E8)
27	1"	1-2/C#18, TSP	RTU	PRESSURE TRANSDUCER	UNDERGROUND	RTU CABINET POSITION C (SHARED IN CONDUIT W/ (15) AND (16)) SEE SHEET E10
28	1"	2-#10, 1-#10, 600V (CU)	PANEL "A" CKT. #8	W.P. RECEPTACLE	UNDERGROUND	
29	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #10	RECEPTACLE	UNDERGROUND	CONTROL BUILDING
30	3/4"	4-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #9	RTU	UNDERGROUND	RTU CABINET POSITION A 2#12 SPARE
31	1"	NYLON PULLSTRING	MCC	PUMP	UNDERGROUND	SEE PLANS
32	1"		RTU	PLC	UNDERGROUND	RTU CABINET POSITION M
33	1-1/2"	3-2/C #18 TSP, 12-#14	RTU	MCC	UNDERGROUND	RTU CABINET POSITION L
34	1"		PANEL "A"	STUB	UNDERGROUND	STUB OUT 12" BEYOND BUILDING AND MARK RTU CABINET POSITION K
35	1"		RTU	STUB	UNDERGROUND	
36	3/4"	4-#14,	RTU	LIMIT SWITCH ON CHECK VALVE	UNDERGROUND	SEE SPECS RTU CABINET POSITION N
37	3/4"	1-2/C#18, TSP	RTU	TEMPERATURE TRANSMITTER	UNDERGROUND	AT CONTROL BUILDING RTU CABINET POSITION I
38	3/4"	1-2/C#18, TSP	RTU	TEMPERATURE TRANSMITTER	UNDERGROUND	AT DISINFECTION BUILDING RTU CABINET POSITION E
39	1"	3-#8, 1-#8, 5KV (CU)	MCC	TRANSFORMER	UNDERGROUND	SHIELDED, SEE SPECS
40	2"	3-#1, 1-#8, 600V (CU)	PANEL "A"	TRANSFORMER	UNDERGROUND	
41	3/4"	NYLON PULLSTRING	PANEL "A"	STUB	UNDERGROUND	FUTURE RECEPTACLE/HEAT TRACE AT RECHARGE WELL
42	2"	NYLON PULLSTRING	STUB	UNDERGROUND		FUTURE NITROGEN DRAWDOWN ASSEMBLY AT RECHARGE WELL
43	1"	NYLON PULLSTRING	RTU	STUB	UNDERGROUND	FUTURE LIMIT SWITCH/PRV SOLENOID VALVE AT RECHARGE WELL RTU CABINET POSITION O
44	1-1/2"	NYLON PULLSTRING	STUB	STUB	UNDERGROUND	FUTURE SPARE FROM CONTROL BUILDING TO RECHARGE WELL
45	2"	NYLON PULLSTRING	J-BOX	STUB	UNDERGROUND	FUTURE PRESSURE TRANSMITTER/FLOW TRANSMITTER AT RECHARGE WELL

150 AMPS, THREE PHASE, 120/208V 4-WIRE LOAD CENTER, SURFACE MTD													
CKT NO.	DESCRIPTION	VOLT AMP.			TRIP/ POLE	NEUTRAL BAR	PANEL "A" SCHEDULE (TYPICAL AT EACH JOB LOCATION)				DESCRIPTION	C K T N O.	
		A	B	C			TRIP/ POLE	A	B	C			
1	HVAC (ELEC. RM.)	1800			30/2		30/2	1800			HVAC (CL2)		
3	HVAC (ELEC. RM.)		1800		----		----		1800			HVAC (CL2)	
5	METERING PUMP			100	15/1		20/1			1200		BOOSTER PUMP	
7	SPARE	500			15/1		15/1	200				W.P. RECEPTACLE	
9	RTU		200		15/1		15/1		180			RECEPTACLE	
11	WALL/POLE LIGHTS			1000	20/1		20/1			800		LIGHTS (2 BUILDINGS)	
13	SPARE	200			15/1		20/1	200				PLC	
15	EXHAUST FAN/LOUVERS		550		15/1		15/1		180			HEAT TRACE	
17	SPARE			500	15/1		15/1			500		SPARE	
19	SPARE	500			15/1		15/1	500				SPARE	
21	SPARE		500		15/1		15/1		500			SPARE	
23	SPARE			500	15/1		15/1			500		SPARE	
25	SPACE	0			X/X	X/X	0				SPACE		
27	SPACE		0		X/X	X/X		0			SPACE		
29	SPACE			0	X/X	X/X			0		SPACE		
31	SPACE	0			X/X	X/X	0				SPACE		
33	SPACE		0		X/X	X/X		0			SPACE		
35	SPACE			0	X/X	X/X			0		SPACE		
37	SPACE	0			X/X	X/X	0				SPACE		
39	SPACE			0	X/X	X/X		0			SPACE		
41	SPACE			0	X/X	X/X			0		SPACE		
SUB-TOTAL		3000	3050	2100				2700	2660	3000	SUB-TOTAL		
PHASE TOTAL		5700	5710	5100									
TOTAL LINE-UP AMPERES		47.50	47.58	42.50									
TOTAL VA		16510 VOLT-AMPERE											
BOTTOM FEED PANEL DIAGRAM													

USE 3-#1, 1#6 AWG WIRE IN 2" CONDUIT

USE 100 AMPS MAIN CIRCUIT BREAKER

ORIGINAL ISSUED
DRAWING SIGNED BY: D. K. BAIRD
ON: 10/05/94



2-2-95

SCALE: HORIZ. NONE VERT. NONE				FILE NAME: C0713E11.DWG DATE: 08/01/94		DRAWN: J.E.SALDANA DATE: 08/01/94		CHECKED: JQA DATE: 08/01/94		APPROVED: <i>D. Keith Baird</i> 8389 2-2-95 D. KEITH BAIRD R.P.E. NO. DATE		APPROVED: <i>Shawn P. Mollis</i> 9651 2-2-95 SHAWN P. MOLLIS R.P.E. NO. DATE		LAS VEGAS VALLEY WATER DISTRICT 3700 WEST CHARLESTON BOULEVARD LAS VEGAS, NEVADA		EQUIP WELL No.s 90 AND 95 WELL No. 90 AND WELL No. 95 CABLE AND PANEL SCHEDULE		DRAWING NUMBER 713 REF. SHEET NO. 111 SHEET 27 OF 29	
CHANGE TO LIQUID CHLORINE SYSTEM	JES	11/94	DKB																

F-3 QS-319
27-124

565-249W

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