

CONDUIT, WIRE, & CABLE SCHEDULE						
LINE NO.	CONDUIT	CONDUCTORS	FROM	TO	ROUTE	REMARKS
1		SEE SHEET PLAN FOR CABLEBUT AND CONDUCTOR	NPC XFMR	MCC	UNDERGROUND	SHIELDED, SEE NPC SPECS
2		SEE SHEET PLAN FOR CABLEBUT AND CONDUCTOR	MCC	WELL	UNDERGROUND	SHIELDED, SEE SPECS
15	3/4"	3-2/C #10 1st	FLOW TRANSMITTER	EXISTING RTU	UNDERGROUND	
16	1/2"	DISTRICT FLOOD FIELD WIRE	FLOW ELEMENT	FLOW TRANSMITTER	EXPOSED	VIA JUNCTION BOX
17	3/4"	2-#12, 1-#12	PANEL "A" CKT. #6	HEAT TRACE	UNDERGROUND	IN CONDUIT W/ (29)
18	3/4"	2-#10, 1-#12 600V (CU)	PANEL "A" CKT. #13	INAC	UNDERGROUND	
20	1"	1-#14	EXISTING RTU	INTRUSION ALARM SENSOR & SWITCH	UNDERGROUND	
21	3/4"	2-#12, 1-#12 600V (CU)	PANEL "A" CKT. #12	LIGHT OUTLET	UNDERGROUND	
22	3/4"	10-#14 (BULKHEADS, SPARES)	PLC	MCC	UNDERGROUND	
23	2"	3/8" NYLON TUBING	NITROGEN DRAWDOWN ASSEMBLY	DRAWN DOWN OF PUMP	UNDERGROUND	PNEUMATIC LINE, SEE SPECS
24	1"	6-#18, 2-2/C #10, 15#	EXISTING RTU	NITROGEN DRAWDOWN ASSEMBLY	UNDERGROUND	RTU CABINET POSITION D
25	1"	2-2/C #10 1st	PLC	EXISTING RTU	UNDERGROUND	INCLUDE SPARE W/ RS 232 CONNECTORS
26	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #10	PLC	UNDERGROUND	
27	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #5	EXTERIOR LIGHTS	EXPOSED	VIA PHOTOCELL AND STARTER
29	1"	2-#10, 1-#10, 600V (CU)	PANEL "A" CKT. #2	W.P. RECEPTACLE	UNDERGROUND	
30	3/4"	2-#12, 1-#12, 600V (CU)	PANEL "A" CKT. #4	RECEPTACLE	UNDERGROUND	
34	1-1/2"	3-2/C #10 1st, 12-#14	EXISTING RTU	MCC WATT TRANSDUCER	UNDERGROUND	
35	1"		PANEL "A"	STUB	UNDERGROUND	STUB OUT 12" BEYOND BUILDING AND MARK
37	3/4"	4-#14,	EXISTING RTU	LIMIT SWITCH ON CHECK VALVE	UNDERGROUND	
38	3/4"	1-2/C #18, 1st	EXISTING RTU	TEMPERATURE TRANSMITTER	UNDERGROUND	
40	2"	5-#8, 1-#6, 500V (CU)	MCC	TRANSFORMER	UNDERGROUND	SHIELDED, SEE SPECS
41	2"	3-#1, 1-#6, 500V (CU)	PANEL "A"	TRANSFORMER	UNDERGROUND	

NOTE:

CONDUIT SIZES NOTED REPRESENT NEW CONDUIT TO BE INSTALLED
FROM EXISTING PULLBOX OR CONDUIT TO NEW WELL DEVICE.
EXISTING CONDUIT NOTED LOCALLY.
CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF EXISTING CONDUITS.

[illegible]

CCT NO.	DESCRIPTION	VOLT AMP.			TRIP/POLE		TRIP/POLE	VOLT AMP.			DESCRIPTION	
		A	B	C				A	B	C		
1	HVAC (ELEC. RM.)	1800			30/2		20/1	180			W.P. RECEPTACLE	
3	HVAC (ELEC. RM.)		1800		----		20/1		180		RECEPTACLE	
5	EXTERIOR LIGHTS			1000	20/1		20/1			180	HEAT TRACE	
7	SPARE	500			20/1		20/1	500			SPARE	
9	SPARE		500		20/1		20/1		200		PLC	
11	SPARE			500	20/1		20/1		800		LIGHTS (2 BUILDINGS)	
13	SPARE	500			15/1		15/1	500			SPARE	
15	SPARE		500		15/1		15/1		500		SPARE	
17	SPARE			500	15/1		15/1		500		SPARE	
19	SPACE	0			X/X		X/X	0			SPACE	
21	SPACE		0		X/X		X/X		0		SPACE	
23	SPACE			0	X/X		X/X			0	SPACE	
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	2800	2800	2000				1180	880	1480		SUB-TOTAL
	PHASE TOTAL	9880	3680	3480								
	TOTAL LINE--UP AMPERES	33.17	30.67	29.00								

TOTAL VA11140 VOLT-AMPERE

BOTTOM FEED PANEL DIAGRAM

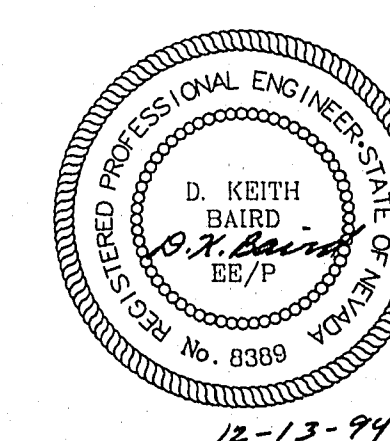
USE 3-#1, 1#6 AWG WIRE IN 2" CONDUIT

USE 100 AMPS MAIN CIRCUIT BREAKER

BOTTOM FEE
PANEL DIAGRA

Plot	@	11/15/94	10:06
I:\ACAD\DRAWINGS\CONTRACT\CO717\CO717E08.dwg			

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[illegible]

LAS VEGAS VALLEY WATER DISTRICT
3700 WEST CHARLESTON BOULEVARD
LAS VEGAS, NEVADA

EQUIP WELL No.s 96 AND 97
WELL No. 96
CABLE AND PANEL SCHEDULE

DRAWING NUMBER
717
REF. SHEET NO. EA
SHEET 22 OF 35