

CONDUIT NO	CONDUIT SIZE	CONDUCTOR	FROM	DESTINATION	TO	REMARKS
P1	2-1/2"	3#4/0, 1#4 GND	JUNCTION BOX (EXISTING CONDUCTORS)	MAIN DISTRIBUTION PANEL MDP-HB		
P2	3/4"	3#10, 1#10 GND	MDP-HB CKT #1	EXISTING SECONDARY MIXER MX-1 CONTROLLER		
P3	3/4"	3#10, 1#10 GND	MDP-HB CKT #2	EXISTING PRIMARY MIXER MX-2 CONTROLLER		
P4	3/4"	3#8, 1#10 GND	MDP-HB CKT #3	EXISTING 30 KVA TRANSFORMER		
P5	3/4"	3#10, 1#10 GND	MDP-HB CKT #4	EXISTING SLUICE GATE # CCI		
P6	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FS-740A		
P7	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FS-740B		
P8	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FS-740C		
P9	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FS-740D		
P10	3/4"	2#12, 1#12 GND	PANELBOARD LCD CKT #49	HEAT TRACE - CARRIER WATER LINE AT CCT		
P11	3/4"	2#12, 1#12 GND	PANELBOARD LCD CKT #51	HEAT TRACE - CARRIER WATER LINE AT CCT		
P12	3/4"	2#12, 1#12 GND	PANELBOARD LCD CKT #53	HEAT TRACE - CARRIER WATER LINE AT CCT		
P13	3/4"	2#12, 1#12 GND	PANELBOARD LCD CKT #55	HEAT TRACE - CARRIER WATER LINE AT CCT		
P14	3/4"	3#10, 1#10 GND	MDP-HB CKT #13	VFD CONTROL PANEL		
P15	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-1		
P16	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-2		
P17	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-3		
P18	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-4		
P19	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-5		
P20	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-6		
P21	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-1		
P22	1"	4C#12 VFD CABLE	VFD CONTROL PANEL	SODIUM HYPOCHLORITE FEED PUMP HYP-2		
P23	3/4"	3#12, 1#12 GND	MDP-HB CKT #14	MOTOR STARTER CARRIER WATER PP 1		
P24	3/4"	3#12, 1#12 GND	MDP-HB CKT #15	MOTOR STARTER CARRIER WATER PP 2		
P25	3/4"	3#12, 1#12 GND	MDP-HB CKT #16	EXISTING CONDUCTORS TO PUMP 1		
P26	3/4"	3#12, 1#12 GND	MDP-HB CKT #17	EXISTING CONDUCTORS TO PUMP 2		
P27	3/4"	2#10, 1#10 GND	CHLORINATION CONTROL PANEL (CCP)	SAMPLE PUMP CRS-1 OUTLET		
P28	3/4"	2#10, 1#10 GND	CHLORINATION CONTROL PANEL (CCP)	SAMPLE PUMP CRS-2 OUTLET		
P29	3/4"	2#10, 1#10 GND	CHLORINATION CONTROL PANEL (CCP)	SAMPLE PUMP CRS-3 OUTLET		
P30	3/4"	2#10, 1#10 GND	CHLORINATION CONTROL PANEL (CCP)	SAMPLE PUMP CRS-4 OUTLET		
P31	3/4"	2#12, 1#12 GND	PANELBOARD LCD CKT #47	HEAT TRACE - HYPO LINES AT CCT		
P32	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719A		
P33	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719B		
P34	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719C		
P35	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719D		
P36	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719E		
P37	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719F		
P38	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719G		
P39	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719H		
P40	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719I		
P41	3/4"	2#8, 1#10 GND	PANELBOARD LCD CKT #7	AE/AIT-740E		
P42	3/4"	2#8, 1#10 GND	PANELBOARD LCD CKT #8	AE/AIT-740F		
P43	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719J		
P44	1/2"	2#12, 1#12 GND	CHLORINATION CONTROL PANEL (CCP)	FT-719K		
P45	3/4"	2#12, 1#12 GND	PANELBOARD LCD CKT #48	HEAT TRACE - HYPO LINES NORTH WALL		

CONDUIT NO	CONDUIT SIZE	CONDUCTOR	FROM	DESTINATION	TO	REMARKS
C1	3/4"	8#14	LCS-HYP-1	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C2	3/4"	8#14	LCS-HYP-2	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C3	3/4"	8#14	LCS-HYP-3	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C4	3/4"	8#14	LCS-HYP-4	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C5	3/4"	8#14	LCS-HYP-5	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C6	3/4"	8#14	LCS-HYP-6	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C7	3/4"	8#14	LCS-RAS-HYP-1	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C8	3/4"	8#14	LCS-RAS-HYP-2	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
C9	2"	80#14	VFD CONTROL PANEL	CHLORINATION CONTROL PANEL (CCP)		
C10	NOT USED					
C11	NOT USED					
C12	NOT USED					
C13	NOT USED					
C14	NOT USED					
C15	NOT USED					
C16	NOT USED					
C17	NOT USED					
C18	NOT USED					
C19	NOT USED					
C20	NOT USED					
C21	NOT USED					
C22	NOT USED					
C23	NOT USED					
C24	NOT USED					
C25	NOT USED					
C26	NOT USED					
C27	NOT USED					
C28	3/4"	10#14	EXISTING SLUICE GATE ZIG-702A	EXISTING SLUICE GATE ZIG-702A	CHLORINATION CONTROL PANEL (CCP)	
C29	1/2"	2#14	FS-710A	CHLORINATION CONTROL PANEL (CCP)		
C30	1/2"	2#14	FS-710B	CHLORINATION CONTROL PANEL (CCP)		
C31	NOT USED					
C32	1/2"	2#14	FS-740A	CHLORINATION CONTROL PANEL (CCP)		
C33	1/2"	2#14	FS-740B	CHLORINATION CONTROL PANEL (CCP)		
C34	1/2"	2#14	FS-740C	CHLORINATION CONTROL PANEL (CCP)		
C35	1/2"	2#14	FS-740D	CHLORINATION CONTROL PANEL (CCP)		
C36	NOT USED					
C37	NOT USED					
C38	NOT USED					
C39	NOT USED					
C40	1/2"	2#14	STROBE LIGHT	HYPOCHLORITE FILL PANEL (HFP)		
C41	1/2"	2#14	ALARM HORN	HYPOCHLORITE FILL PANEL (HFP)		
C42	3/4"	10#14	HYPOCHLORITE FILL PANEL (HFP)	HYPOCHLORITE FILL PANEL (HFP)		
C43	3/4"	10#14	SECONDARY MIXER MX-1 CONTROLLER	CHLORINATION CONTROL PANEL (CCP)		
C44	3/4"	10#14	BYPASS MIXER MX-2 CONTROLLER	CHLORINATION CONTROL PANEL (CCP)		
C45	1/2"	4#14	MOTOR STARTER CARRIER WATER PP 1	CHLORINATION CONTROL PANEL (CCP)		
C46	1/2"	4#14	MOTOR STARTER CARRIER WATER PP 2	CHLORINATION CONTROL PANEL (CCP)		

CONDUIT NO	CONDUIT SIZE	CONDUCTOR	FROM	DESTINATION	TO	REMARKS
S1	3/4"	3C#16 TWS	LCS-HYP-1	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S2	3/4"	3C#16 TWS	LCS-HYP-2	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S3	3/4"	3C#16 TWS	LCS-HYP-3	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S4	3/4"	3C#16 TWS	LCS-HYP-4	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S5	3/4"	3C#16 TWS	LCS-HYP-5	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S6	3/4"	3C#16 TWS	LCS-HYP-6	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S7	3/4"	3C#16 TWS	LCS-RAS-HYP-1	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S8	3/4"	3C#16 TWS	LCS-RAS-HYP-2	EXISTING SLUICE GATE ZIG-702A	VFD CONTROL PANEL	
S9	2"	(16) 2C#16 TWS	VFD CONTROL PANEL	CHLORINATION CONTROL PANEL (CCP)		
S10	NOT USED					
S11	NOT USED					
S12	NOT USED					
S13	NOT USED					
S14	NOT USED					
S15	NOT USED					
S16	NOT USED					
S17	NOT USED					
S18	NOT USED					
S19	NOT USED					
S20	3/4"	(2) 2C#16 TWS	EXISTING SLUICE GATE ZIG-702A	EXISTING SLUICE GATE ZIG-702A	CHLORINATION CONTROL PANEL (CCP)	
S21	NOT USED					
S22	NOT USED					
S23	3/4"	2C#16 TWS	FT-719A	CHLORINATION CONTROL PANEL (CCP)		
S24	3/4"	2C#16 TWS	FT-719B	CHLORINATION CONTROL PANEL (CCP)		
S25	3/4"	2C#16 TWS	FT-719C	CHLORINATION CONTROL PANEL (CCP)		
S26	3/4"	2C#16 TWS	FT-719D	CHLORINATION CONTROL PANEL (CCP)		
S27	3/4"	2C#16 TWS	FT-719E	CHLORINATION CONTROL PANEL (CCP)		
S28	3/4"	2C#16 TWS	FT-719F	CHLORINATION CONTROL PANEL (CCP)		
S29	3/4"	2C#16 TWS	FT-719G	CHLORINATION CONTROL PANEL (CCP)		
S30	3/4"	2C#16 TWS	FT-719H	CHLORINATION CONTROL PANEL (CCP)		
S31	3/4"	2C#16 TWS	FT-719I	CHLORINATION CONTROL PANEL (CCP)		
S32	3/4"	2C#16 TWS	FT-719J	CHLORINATION CONTROL PANEL (CCP)		
S33	3/4"	2C#16 TWS	FT-719K	CHLORINATION CONTROL PANEL (CCP)		
S34	3/4"	2C#16 TWS	FT-719L	CHLORINATION CONTROL PANEL (CCP)		
S35	3/4"	2C#16 TWS	FT-719M	CHLORINATION CONTROL PANEL (CCP)		
S36	3/4"	2C#16 TWS	FT-719N	CHLORINATION CONTROL PANEL (CCP)		
S37	3/4"	2C#16 TWS	FT-719O	CHLORINATION CONTROL PANEL (CCP)		
S38	3/4"	2C#16 TWS	FT-719P	CHLORINATION CONTROL PANEL (CCP)		
S39	3/4"	2C#16 TWS	FT-719Q	CHLORINATION CONTROL PANEL (CCP)		
S40	3/4"	2C#16 TWS	FT-719R	CHLORINATION CONTROL PANEL (CCP)		
S41	3/4"	2C#16 TWS	FT-719S	CHLORINATION CONTROL PANEL (CCP)		
S42	3/4"	2C#16 TWS	FT-719T	CHLORINATION CONTROL PANEL (CCP)		
S43	3/4"	2C#16 TWS	FT-719U	CHLORINATION CONTROL PANEL (CCP)		
S44	3/4"	2C#16 TWS	FT-719V	CHLORINATION CONTROL PANEL (CCP)		
S45	3/4"	2C#16 TWS	FT-719W	CHLORINATION CONTROL PANEL (CCP)		
S46	3/4"	2C#16 TWS	FT-719X	CHLORINATION CONTROL PANEL (CCP)		
S47	2"	(2) 2C#16 TWS	EXISTING SLUICE GATE ZIG-702A	EXISTING SLUICE GATE ZIG-702A	CHLORINATION CONTROL PANEL (CCP)	
S48	2"	(2) 2C#16 TWS	EXISTING SLUICE GATE ZIG-702A	EXISTING SLUICE GATE ZIG-702A	CHLORINATION CONTROL PANEL (CCP)	
S49	3/4"	2C#16 TWS	EXISTING SLUICE GATE ZIG-702A	EXISTING SLUICE GATE ZIG-702A	CHLORINATION CONTROL PANEL (CCP)	

NOTES:
 1. FOR LEGEND AND GENERAL NOTES, REFER TO DRAWING E-1.
 2. ALL MOTOR FEEDER WIRING ORIGINATING FROM VARIABLE FREQUENCY DRIVE (VFD) PANELS SHALL BE INSTALLED IN RIGID GALVANIZED STEEL (RGS) CONDUIT OR PVC COATED RIGID STEEL CONDUIT, IN ACCORDANCE WITH THE NEMA CLASSIFICATIONS INDICATED ON DRAWING E-1.
 3. ALL INSTRUMENTATION SIGNAL CABLES (IN CONDUITS WITH "S" NUMBERS) SHALL BE INSTALLED IN RIGID GALVANIZED STEEL CONDUIT, IN ACCORDANCE WITH NEMA RATING OF THE AREA OF INSTALLATION AS INDICATED ON DRAWING E-1. REFER TO SPECIFICATION SECTION 1.6050 FOR FURTHER INFORMATION.
 4. ALL CONDUITS WHICH CARRY FIBER OPTIC CABLE SHALL BE PROVIDED WITH LONG RADIIUS ELBOWS AND BENDS.
 5. TEMPORARY DECHLORINATION CONTROL PANEL WILL BE LOCATED IN A TEMPORARY BUILDING PROVIDED BY THE CONTRACTOR. REFER TO SPECIFICATION SECTIONS 01010, 01500, AND 11234 FOR ADDITIONAL DETAILS.

DRAWN BY: SJM CHECKED BY: DWL/PFB DATE: 2-18-05 APPROVED BY: DWL/PFB DATE: 2-18-05 BOOK NO.: - PROJECT NO.: 10301C SCALE: AS NOTED	NO	REVISIONS	APP'D	DATE	PROGRESS PRINTS
	△				ISSUED FOR REVIEW: 12-15-04 ISSUED FOR BIDDING: 2-18-05
	△				VAULT LOCATION: FF 58 LAST WORKED ON:
	△				FILENAME:

