

SECTION 16990A

CONDUIT SCHEDULE AREA 01

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 3/CS#16: 3 conductor, 16 gauge, twisted shielded triplet.
 - 3. */C#Y: Multiconductor cable (* indicates number of conductors, Y indicates conductor size and insulation).
 - 4. */FO: Fiber optic (* indicates strand count).
 - 5. CAT6: Category 6 Ethernet cable.
 - 6. PULL: Pull Rope.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-01-091	02E03	2"	1	PULL	ROPE				FR: SWBD-APF TO: XFMR-APF 1 PULL >> SPARE	
C-01-501	01E02 02E03	2"	4	#14	XHHW-2	1	#14	XHHW-2	FR: CL2-ALARM STROBE TO: PB-15 4 #14 >> CL2-ALARM STROBE CONTROL	C-01-502
C-01-502	02E01	2"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PB-15 TO: PB-14 4 #14 >> CL2-ALARM STROBE CONTROL	C-01-503 C-01-501
C-01-503	02E01	2"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PB-14 TO: PB-13 4 #14 >> CL2-ALARM STROBE CONTROL	C-01-504 C-01-502
C-01-504	02E01 63E05	2"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PB-13 TO: CLIP PANEL 4 #14 >> CL2-ALARM STROBE CONTROL	C-01-503
C-01-601	01E03	1"	3	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6001 TO: PB #2A 3 #14 >> LSH-6001 CONTROL	C-01-602
C-01-602	01E03	1"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6002 TO: PB #3A 3 #14 >> LSH-6001 CONTROL 3 #14 >> LSH-6002 CONTROL	C-01-603 C-01-601
C-01-603	01E03	1"	9	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6003 TO: PB #4A 3 #14 >> LSH-6001 CONTROL 3 #14 >> LSH-6002 CONTROL 3 #14 >> LSH-6003 CONTROL	C-01-604 C-01-602 C-01-602
C-01-604	01E03	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6004 TO: PB #5A 3 #14 >> LSH-6001 CONTROL 3 #14 >> LSH-6002 CONTROL 3 #14 >> LSH-6003 CONTROL 3 #14 >> LSH-6004 CONTROL	C-01-605 C-01-603 C-01-603 C-01-603
C-01-605	01E03	2"	33	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6005 TO: PB-13 3 #14 >> LSH-6001 CONTROL 3 #14 >> LSH-6002 CONTROL 3 #14 >> LSH-6003 CONTROL 3 #14 >> LSH-6004 CONTROL 3 #14 >> LSH-6005 CONTROL 3 #14 >> LSH-6006 CONTROL 3 #14 >> LSH-6007 CONTROL 3 #14 >> LSH-6008 CONTROL 3 #14 >> LSH-6009 CONTROL 3 #14 >> LSH-6010 CONTROL 3 #14 >> LSH-6011 CONTROL	C-01-615 C-01-604 C-01-604 C-01-604 C-01-604 C-01-606 C-01-606 C-01-606 C-01-606 C-01-609 C-01-609 C-01-609
C-01-606	01E03	1"	9	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6006 TO: PB #5A 3 #14 >> LSH-6006 CONTROL 3 #14 >> LSH-6007 CONTROL 3 #14 >> LSH-6008 CONTROL	C-01-605 C-01-607 C-01-607
C-01-607	01E03	1"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6007 TO: PB #6A 3 #14 >> LSH-6007 CONTROL 3 #14 >> LSH-6008 CONTROL	C-01-606 C-01-608
C-01-608	01E03	1"	3	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6008 TO: PB #7A 3 #14 >> LSH-6008 CONTROL	C-01-607
C-01-609	01E03	1"	9	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6009 TO: PB #5A 3 #14 >> LSH-6009 CONTROL 3 #14 >> LSH-6010 CONTROL 3 #14 >> LSH-6011 CONTROL	C-01-605 C-01-610 C-01-610
C-01-610	01E03 01E04	1"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6010 TO: PB #9A 3 #14 >> LSH-6010 CONTROL 3 #14 >> LSH-6011 CONTROL	C-01-609 C-01-611
C-01-611	01E04	1"	3	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6011 TO: PB #10A 3 #14 >> LSH-6011 CONTROL	C-01-610

February 2025

16990A-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
C-01-615	02E01 63E05	2"	33	#14	XHHW-2	1	#14	XHHW-2	FR: PB-13 TO: RTU-CL 3 #14 >> LSH-6001 CONTROL 3 #14 >> LSH-6002 CONTROL 3 #14 >> LSH-6003 CONTROL 3 #14 >> LSH-6004 CONTROL 3 #14 >> LSH-6005 CONTROL 3 #14 >> LSH-6006 CONTROL 3 #14 >> LSH-6007 CONTROL 3 #14 >> LSH-6008 CONTROL 3 #14 >> LSH-6009 CONTROL 3 #14 >> LSH-6010 CONTROL 3 #14 >> LSH-6011 CONTROL	C-01-605 C-01-605 C-01-605 C-01-605 C-01-605 C-01-605 C-01-605 C-01-605 C-01-605 C-01-605 C-01-605
L-01-042	01E02 02E03	2"	2	#12	XHHW-2	1	#12	XHHW-2	FR: POLE LIGHT TO: PB-15 2 #12 >> POLE LIGHT POWER	L-01-043
L-01-043	02E03	2"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PB-15 TO: PB-18 2 #12 >> POLE LIGHT POWER	L-01-503 L-01-042
L-01-051	01E02	2"	2	#10	XHHW-2	1	#10	XHHW-2	FR: BACKWASH TANK LVL HEATER TO: PB-15 2 #10 >> BACKWASH TANK LVL HEATER POWER	L-01-502
L-01-061	01E02	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR: ELECTRONICS ENCLOSURE TO: PB-18 2 #8 >> ELECTRONICS ENCLOSURE POWER	L-01-062
L-01-062	02E03	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR: PB-18 TO: PB-15 2 #8 >> ELECTRONICS ENCLOSURE POWER	L-01-063 L-01-061
L-01-063	02E01	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR: PB-15 TO: PB-14 2 #8 >> ELECTRONICS ENCLOSURE POWER	L-01-064 L-01-062
L-01-064	02E01	2"	2	#8	XHHW-2	1	#8	XHHW-2	FR: PB-14 TO: RTU-CS 2 #8 >> ELECTRONICS ENCLOSURE POWER	L-01-063
L-01-185	02E02 63E05 68E03	2"	2	#10	XHHW-2	1	#10	XHHW-2	FR: PMP-6852 TO: PNL-CL 2 #10 >> PMP-6852 POWER	
L-01-501	01E02 02E03	2"	2	#10	XHHW-2	1	#10	XHHW-2	FR: SOUTH SECURITY GATE TO: PB-15 2 #10 >> SOUTH SECURITY GATE POWER	L-01-502
L-01-502	02E03	2"	4	#10	XHHW-2	1	#6	XHHW-2	FR: PB-15 TO: PB-18 2 #10 >> BACKWASH TANK LVL HEATER POWER 2 #10 >> SOUTH SECURITY GATE POWER	L-01-503 L-01-051 L-01-501
L-01-503	01E02	2"	4 4	#10 #12	XHHW-2 XHHW-2	1	#6	XHHW-2	FR: PB-18 TO: PNL-CELL 2 #12 >> POLE LIGHT POWER 2 #10 >> BACKWASH TANK LVL HEATER POWER 2 #10 >> SOUTH SECURITY GATE POWER 2 #12 >> S SECURITY GATE CAMERA POWER	L-01-043 L-01-502 L-01-502 L-01-542
L-01-521	01E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: XFMR-RES TO: PNL-CELL 2 #12 >> XFMR-RES POWER	
L-01-522	01E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: ELECTRONICS ENCLOSURE TO: PNL-CELL 2 #12 >> ELECTRONICS ENCLOSURE POWER	
L-01-531	01E02	1.5"	3	#1/0	XHHW-2	1	#6	XHHW-2	FR: PNL-CELL TO: XFMR-CELL 3 #1/0 >> PNL-CELL POWER	
L-01-541	01E02 02E03	2"	2	#12	XHHW-2	1	#12	XHHW-2	FR: S SECURITY GATE CAMERA TO: PB-15 2 #12 >> S SECURITY GATE CAMERA POWER	L-01-542
L-01-542	02E03	2"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PB-15 TO: PB-18 2 #12 >> S SECURITY GATE CAMERA POWER	L-01-503 L-01-541

February 2025

16990A-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
M-01-001	02E03	4"	1	#2/0:15KV	15KV-EPR	1	#2/0	XHHW-2	FR: XFMR CELL TO: PB-17 1 #2/0:15KV >> XFMR CELL POWER	M-01-002
M-01-002	02E03	4"	1	#2/0:15KV	15KV-EPR	1	#4	XHHW-2	FR: PB-17 TO: SECTIONALIZER 2 1 #2/0:15KV >> XFMR CELL POWER	M-01-001
N-01-501	01E02	2"	1		CAT6	1	#14	XHHW-2	FR: S SECURITY GATE CAMERA TO: WEST GATE OPERATOR 1 CAT6 >> S SECURITY GATE CAMERA NETWORK	N-01-503
N-01-502	01E02	2"	4	2/C-#14		1	#14	XHHW-2	FR: CALLBOX TO: WEST GATE OPERATOR 2 2/C-#14 >> CALLBOX NETWORK (TEMP) 2 2/C-#14 >> CALLBOX NETWORK (PERMANENT)	N-01-503
N-01-503	02E03	2"	4 1 1	2/C-#14	CAT6 12/FO	1	#14	XHHW-2	FR: WEST GATE OPERATOR TO: PB-15 1 CAT6 >> S SECURITY GATE CAMERA NETWORK 2 2/C-#14 >> CALLBOX NETWORK (TEMP) 2 2/C-#14 >> CALLBOX NETWORK (PERMANENT) 1 12/FO >> S SECURITY GATE NETWORK	N-01-504 N-01-501 N-01-502 N-01-502
N-01-504	02E03	2"	2 1 1	2/C-#14	CAT6 12/FO	1	#14	XHHW-2	FR: PB-15 TO: PB-18 1 CAT6 >> S SECURITY GATE CAMERA NETWORK 2 2/C-#14 >> CALLBOX NETWORK (TEMP) 1 12/FO >> S SECURITY GATE NETWORK	N-01-521 N-01-503 N-01-503 N-01-503
N-01-505	02E01	2"	2	2/C-#14		1	#14	XHHW-2	FR: PB-15 TO: PB-14 2 2/C-#14 >> CALLBOX NETWORK (PERMANENT)	N-01-506 N-01-503
N-01-506	02E01	2"	4 1 1	2/C-#14	CAT6 12/FO	1	#14	XHHW-2	FR: PB-14 TO: RTU-CS 1 CAT6 >> S SECURITY GATE CAMERA NETWORK 2 2/C-#14 >> CALLBOX NETWORK (TEMP) 2 2/C-#14 >> CALLBOX NETWORK (PERMANENT) 1 12/FO >> S SECURITY GATE NETWORK	N-01-505 N-01-505 N-01-505 N-01-505
N-01-511	01E02	2"	1	3/CS-#16		1	#14	XHHW-2	FR: GATE CARD READER TO: PB-18 1 3/CS-#16 >> GATE CARD READER NETWORK	N-01-521
N-01-521	01E02	2.5"	2 1 2 1	2/C-#14 3/CS-#16	CAT6 12/FO	1	#14	XHHW-2	FR: PB-18 (INTERCEPTED FIBER OPTIC TO CULINARY RESERVOIR) TO: ELECTRONICS ENCLOSURE 1 CAT6 >> S SECURITY GATE CAMERA NETWORK 2 2/C-#14 >> CALLBOX NETWORK (TEMP) 1 12/FO >> S SECURITY GATE NETWORK 1 3/CS-#16 >> GATE CARD READER NETWORK 1 12/FO >> CULINARY RESERVOIR NETWORK	N-01-504 N-01-504 N-01-504 N-01-511
N-01-525	01E02	2"	1		12/FO	1	#14	XHHW-2	FR: ELECTRONICS ENCLOSURE TO: PB-18 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-526
N-01-526	02E03	2"	1		12/FO	1	#14	XHHW-2	FR: PB-18 TO: PB-15 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-527 N-01-525
N-01-527	02E01	2"	1		12/FO	1	#14	XHHW-2	FR: PB-15 TO: PB-14 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-528 N-01-526
N-01-528	02E01	2"	1		12/FO	1	#14	XHHW-2	FR: PB-14 TO: RTU-CS 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-527
N-01-531	01E02 02E03	2"	1		12/FO	1	#14	XHHW-2	FR: ELECTRONICS ENCLOSURE TO: PB #2 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-922
N-01-611	02E02 68E03	2"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CL 1 PULL >> SPARE	
N-01-901	68E03	1.5"	1		12/FO	1	#14	XHHW-2	FR: VCP-6800 TO: J-BOX 1 12/FO >> VCP-6800 NETWORK	N-01-903

February 2025

16990A-4

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
N-01-902	68E03	1.5"	1		12/FO	1	#14	XHHW-2	FR: VCP-6830 TO: J-BOX 1 12/FO >> VCP-6830 NETWORK	N-01-903
N-01-903	02E02 63E05 68E03	2"	2		12/FO	1	#14	XHHW-2	FR: J-BOX TO: RTU-CL 1 12/FO >> VCP-6800 NETWORK 1 12/FO >> VCP-6830 NETWORK	N-01-901 N-01-902
N-01-911	02E02 63E05	2"	1		12/FO	1	#14	XHHW-2	FR: RTU-CL TO: PB-16 1 12/FO >> RTU-CL NETWORK	N-01-921
N-01-912	02E02	2"	1		12/FO	1	#14	XHHW-2	FR: RTU-CS TO: PB-16 1 12/FO >> RTU-CS NETWORK	N-01-921
N-01-921	02E02 02E03	2"	2		12/FO	1	#14	XHHW-2	FR: PB-16 TO: PB #2 1 12/FO >> RTU-CL NETWORK 1 12/FO >> RTU-CS NETWORK	N-01-922 N-01-911 N-01-912
N-01-922	01E03 30E10	3"	3		12/FO	1	#14	XHHW-2	FR: PB #2 TO: PB #11 (VIA SPARE 3" CONDUIT IN EXISTING DUCT BANK) 1 12/FO >> RTU-CL NETWORK 1 12/FO >> RTU-CS NETWORK 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-923 N-01-921 N-01-921 N-01-921
N-01-923	30E10 71E02	3"	3		12/FO	1	#14	XHHW-2	FR: PB #11 TO: EXISTING PULLBOX (VIA EXISTING EXPOSED 3" CONDUIT) 1 12/FO >> RTU-CL NETWORK 1 12/FO >> RTU-CS NETWORK 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-924 N-01-922 N-01-922 N-01-922
N-01-924	69E01 71E02	3"	3		12/FO	1	#14	XHHW-2	FR: EXISTING PULLBOX TO: EXISTING PULLBOX 1 12/FO >> RTU-CL NETWORK 1 12/FO >> RTU-CS NETWORK 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-925 N-01-923 N-01-923 N-01-923
N-01-925	69E01	2.5"	3		12/FO	1	#14	XHHW-2	FR: EXISTING PULLBOX TO: LEVEL 2 NETWORK ROOM 1 12/FO >> RTU-CL NETWORK 1 12/FO >> RTU-CS NETWORK 1 12/FO >> ELECTRONICS ENCLOSURE NETWORK	N-01-924 N-01-924 N-01-924
N-01-931	30E19 69E01	1.5"	1	PULL	ROPE				FR: EXISTING PULLBOX TO: VIA CABLE TRAY 1 PULL >> SPARE	N-01-932
N-01-932	69E01	2"	1	PULL	ROPE				FR: CABLE TRAY TO: CELL SITE EQUIP ROOM VIA EXISTING CONDUIT 1 PULL >> SPARE	N-01-931
P-01-031	02E01	2"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PB-15 (CONNECT EXISTING WIRES IN INTERCEPTED DUCTBANK TO: PB-14 3 #12 >> RESERVOIR TANK LIGHT & HEATING	P-01-032
P-01-032	02E01	2"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PB-14 TO: PP-CS 3 #12 >> RESERVOIR TANK LIGHT & HEATING	P-01-031
P-01-071	01E05 30E03	3"	3	350	XHHW-2	1	#1	XHHW-2	FR: MCC-BL TO: PB #7 (VIA EXISTING DUCT BANK) 3 350 >> MCC-BL POWER	P-01-072
P-01-072	02E03	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: PB #7 TO: SWBD-APF 3 350 >> MCC-BL POWER	P-01-071
P-01-081	01E05 30E03	3"	3	350	XHHW-2	1	#1	XHHW-2	FR: MCC-BL TO: PB #7 (VIA EXISTING DUCT BANK) 3 350 >> MCC-BL POWER	P-01-082
P-01-082	02E03	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: PB #7 TO: SWBD-APF 3 350 >> MCC-BL POWER	P-01-081
P-01-091	02E03	4"	4	500	XHHW-2	1	#1/0	XHHW-2	FR: SWBD-APF TO: XFMR-APF 4 500 >> SWBD-APF POWER	

February 2025

16990A-5

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
P-01-092	02E03	4"	4	500	XHHW-2	1	#1/0	XHHW-2	FR: SWBD-APF TO: XFMR-APF 4 500 >> SWBD-APF POWER	
P-01-093	02E03	4"	4	500	XHHW-2	1	#1/0	XHHW-2	FR: SWBD-APF TO: XFMR-APF 4 500 >> SWBD-APF POWER	
P-01-101	02E01 65E02	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: MCC-CS TO: PB-14 3 #4/0 >> MCC-CS POWER	P-01-102
P-01-102	02E01	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: PB-14 TO: PB-13 3 #4/0 >> MCC-CS POWER	P-01-103 P-01-101
P-01-103	02E01	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: PB-13 TO: SWBD-CS 3 #4/0 >> MCC-CS POWER	P-01-102
P-01-105	02E01 65E02	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: MCC-CS TO: PB-14 3 #4/0 >> MCC-CS POWER	P-01-106
P-01-106	02E01	4"	3	#4/0	XHHW-2	1	#1	XHHW-2	FR: PB-14 TO: PB-13 3 #4/0 >> MCC-CS POWER	P-01-107 P-01-105
P-01-107	02E01	4"	3	#4/0	XHHW-2	1	#1	XHHW-2	FR: PB-13 TO: SWBD-CS 3 #4/0 >> MCC-CS POWER	P-01-106
P-01-121	02E01 63E05	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: MCC-CL TO: PB-13 3 #4/0 >> MCC-CL POWER	P-01-122
P-01-122	02E01	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: PB-13 TO: SWBD-CS 3 #4/0 >> MCC-CL POWER	P-01-121
P-01-125	02E01 63E05	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: MCC-CL TO: PB-13 3 #4/0 >> MCC-CL POWER	P-01-126
P-01-126	02E01	4"	3	#4/0	XHHW-2	1	#2	XHHW-2	FR: PB-13 TO: SWBD-CS 3 #4/0 >> MCC-CL POWER	P-01-125
P-01-141	02E01	4"	3	500	XHHW-2	1	#1	XHHW-2	FR: SWBD-CS TO: PB-12 3 500 >> SWBD-CS POWER	P-01-151
P-01-142	02E01	4"	3	500	XHHW-2	1	#1	XHHW-2	FR: SWBD-CS TO: PB-12 3 500 >> SWBD-CS POWER	P-01-152
P-01-151	02E01	4"	3	500	XHHW-2	1	#1	XHHW-2	FR: PB-12 TO: UNIT SUBSTATION 3 500 >> SWBD-CS POWER	P-01-141
P-01-152	02E01	4"	3	500	XHHW-2	1	#1	XHHW-2	FR: PB-12 TO: UNIT SUBSTATION 3 500 >> SWBD-CS POWER	P-01-142
P-01-161	02E02 63E05 68E03	4"	3	#3/0	XHHW-2	1	#6	XHHW-2	FR: PP-PAC TO: MCC-CL 3 #3/0 >> PP-PAC POWER	
P-01-201	02E01	2"	1	PULL	ROPE				FR: PB-15 TO: PB-14 1 PULL >> SPARE POWER	P-01-202
P-01-202	02E01	2"	1	PULL	ROPE				FR: PB-14 TO: MCC-CS 1 PULL >> SPARE POWER	P-01-201
P-01-311	02E03	4"	3	500	XHHW-2	1	#2/0	XHHW-2	FR: PB #7 TO: SWBD-APF 3 500 >> ATS MCC-A1 POWER (EXISTING CABLE)	
P-01-321	02E03	4"	3	500	XHHW-2	1	#2/0	XHHW-2	FR: PB #7 TO: SWBD-APF 3 500 >> ATS MCC-A1 POWER (EXISTING CABLE)	

February 2025

16990A-6

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-01-331	02E03	4"	3	500	XHHW-2	1	#2/0	XHHW-2	FR: PB #7 TO: SWBD-APF 3 500 >> ATS MCC-A1 POWER (NEW SPLICED CE)	
P-01-411	01E05	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: MCC-WW TO: PB #7 (VIA EXISTING DUCT BANK) 3 350 >> MCC-WW POWER	P-01-412
P-01-412	02E03	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: PB #7 TO: SWBD-APF 3 350 >> MCC-WW POWER	P-01-411
P-01-421	01E05	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: MCC-WW TO: PB #7 (VIA EXISTING DUCT BANK) 3 350 >> MCC-WW POWER	P-01-422
P-01-422	02E03	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: PB #7 TO: SWBD-APF 3 350 >> MCC-WW POWER	P-01-421
P-01-431	02E03	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: SWBD-APF TO: UNIT SUBSTATION 3 350 >> MCC-WW POWER (EXISTING CABLE)	
P-01-441	02E03	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: SWBD-APF TO: UNIT SUBSTATION 3 350 >> MCC-WW POWER (EXISTING CABLE)	
P-01-521	01E02	2"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PB-18 (INTERCEPTED 480V WIRES TO CULINARY RESERVOIR) TO: XFMR-RES 3 #12 >> CULINARY RESERVOIR POWER (TEMP)	
X-01-011	02E03	4"	1	PULL	ROPE				FR: XFMR CELL TO: PB-17 1 PULL >> SPARE	X-01-012
X-01-012	02E03	4"	1	PULL	ROPE				FR: PB-17 TO: SECTIONALIZER 2 1 PULL >> SPARE	X-01-011
X-01-051	01E02 02E03	2"	1	PULL	ROPE				FR: SOUTH SECURITY GATE TO: PB-15 1 PULL >> SPARE	X-01-052
X-01-052	02E01	2"	1	PULL	ROPE				FR: PB-15 TO: PB-14 1 PULL >> SPARE	X-01-053 X-01-051
X-01-053	02E01	2"	1	PULL	ROPE				FR: PB-14 TO: STUB UP IN CS BLDG ELEC ROOM 1 PULL >> SPARE	X-01-052
X-01-061	02E03	2"	1	PULL	ROPE				FR: SOUTH SECURITY GATE TO: PB-15 1 PULL >> SPARE	X-01-062
X-01-062	02E01	2"	1	PULL	ROPE				FR: PB-15 TO: PB-14 1 PULL >> SPARE	X-01-063 X-01-061
X-01-063	02E01	2"	1	PULL	ROPE				FR: PB-14 TO: STUB-UP IN CS BLDG ELEC ROOM 1 PULL >> SPARE	X-01-062
X-01-071	01E02 02E03	5"	1	PULL	ROPE				FR: RELOCATED PULLBOX TO: PB-17 1 PULL >> SPARE	
X-01-072	02E03	5"	1	PULL	ROPE				FR: PB-17 TO: SECTIONALIZER 2 1 PULL >> SPARE	
X-01-094	02E03	4"	1	PULL	ROPE				FR: SWBD-APF TO: XFMR-APF 1 PULL >> SPARE	
X-01-111	02E01	4"	1	PULL	ROPE				FR: MCC-CS TO: PB-14 1 PULL >> SPARE	X-01-112
X-01-112	02E01	4"	1	PULL	ROPE				FR: PB-14 TO: PB-13 1 PULL >> SPARE	X-01-113 X-01-111

February 2025

16990A-7

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
X-01-113	02E01	4"	1	PULL	ROPE				FR: PB-13 TO: SWBD-CS 1 PULL >> SPARE	X-01-112
X-01-115	02E01	4"	1	PULL	ROPE				FR: MCC-CS TO: PB-14 1 PULL >> SPARE	X-01-116
X-01-116	02E01	4"	1	PULL	ROPE				FR: PB-14 TO: PB-13 1 PULL >> SPARE	X-01-117 X-01-115
X-01-117	02E01	4"	1	PULL	ROPE				FR: PB-13 TO: SWBD-CS 1 PULL >> SPARE	X-01-116
X-01-131	02E01	4"	1	PULL	ROPE				FR: MCC-CL TO: PB-13 1 PULL >> SPARE	X-01-132
X-01-132	02E01	4"	1	PULL	ROPE				FR: PB-13 TO: SWBD-CS 1 PULL >> SPARE	X-01-131
X-01-135	02E01 63E05	4"	1	PULL	ROPE				FR: MCC-CL TO: PB-13 1 PULL >> SPARE	X-01-136
X-01-136	02E01	4"	1	PULL	ROPE				FR: PB-13 TO: SWBD-CS 1 PULL >> SPARE	X-01-135
X-01-143	02E01	4"	1	PULL	ROPE				FR: SWBD-CS TO: PB-12 1 PULL >> SPARE	
X-01-144	02E01	4"	1	PULL	ROPE				FR: SWBD-CS TO: PB-12 1 PULL >> SPARE	
X-01-153	02E01	4"	1	PULL	ROPE				FR: PB-12 TO: UNIT SUBSTATION 1 PULL >> SPARE	
X-01-154	02E01	4"	1	PULL	ROPE				FR: PB-12 TO: UNIT SUBSTATION 1 PULL >> SPARE	
X-01-171	02E02 63E05 68E03	4"	1	PULL	ROPE				FR: PAC ROOM TO: CHLORINE ELECTRICAL ROOM 1 PULL >> SPARE	
X-01-175	02E02 63E05 68E03	2"	1	PULL	ROPE				FR: PAC ROOM TO: CHLORINE ELECTRICAL ROOM 1 PULL >> SPARE	
X-01-213	01E02 02E01	4"	1	PULL	ROPE				FR: HH-101 TO: PB-14 1 PULL >> SPARE	X-01-214
X-01-214	02E01	4"	1	PULL	ROPE				FR: PB-14 TO: STUB-UP IN CS BLDG ELEC ROOM 1 PULL >> SPARE	X-01-213
X-01-223	01E02 02E01	4"	1	PULL	ROPE				FR: HH-101 TO: PB-14 1 PULL >> SPARE	X-01-224
X-01-224	02E01	4"	1	PULL	ROPE				FR: PB-14 TO: STUB-UP IN CS BLDG ELEC ROOM 1 PULL >> SPARE	X-01-223
X-01-301	02E02	2"	1	PULL	ROPE				FR: STUB UP IN CS BLDG ELEC ROOM TO: PB-16 1 PULL >> SPARE	
X-01-311	02E02 63E05	2"	1	PULL	ROPE				FR: STUB UP IN CHLORINE BLDG ELEC ROOM TO: PB-16 1 PULL >> SPARE	
X-01-321	02E02 63E05 68E03	2"	1	PULL	ROPE				FR: PAC ROOM TO: STUB UP IN CHLORINE BLDG ELEC ROOM 1 PULL >> SPARE	

February 2025

16990A-8

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990A (FS)

CONDUIT SCHEDULE AREA 01

JORDAN VALLEY WATER TREATMENT PLANT

SITE

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
X-01-331	02E02 02E03	2"	1	PULL	ROPE				FR: PB-16 TO: PB #2 1 PULL >> SPARE	
X-01-351	02E01	4"	1	PULL	ROPE				FR: RTU-CS TO: PB-14 1 PULL >> SPARE	
X-01-355	02E01 63E05	4"	1	PULL	ROPE				FR: RTU-CL TO: PB-13 1 PULL >> SPARE	
X-01-461	02E03	4"	1	PULL	ROPE				FR: SWBD-APF TO: PB #7 1 PULL >> SPARE	
X-01-471	02E03	4"	1	PULL	ROPE				FR: SWBD-APF TO: PB #7 1 PULL >> SPARE	
X-01-481	02E03	4"	1	PULL	ROPE				FR: SWBD-APF TO: PB #7 1 PULL >> SPARE	
X-01-551	02E03	2"	1	PULL	ROPE				FR: PB-18 TO: PB-15 1 PULL >> SPARE	
X-01-561	02E03	2"	1	PULL	ROPE				FR: PB-18 TO: PB-15 1 PULL >> SPARE	
X-01-571	02E03	2"	1	PULL	ROPE				FR: PB-18 TO: PB-15 1 PULL >> SPARE	

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990B

CONDUIT SCHEDULE AREA 30

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. */FO: Fiber optic (* indicates strand count).
 - 4. CAT5e: Category 5 enhanced Ethernet cable.
 - 5. CAT6: Category 6 Ethernet cable.
 - 6. MFR: Manufacturer or vendor furnished cable.
 - 7. PULL: Pull Rope.
 - 8. RS-485 RS-485 cable.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-010	30E03	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: MCC-BL TO: RTU-BL 7 #14 >> MCC-BL CONTROL 3 #14 >> SPARE 2 #14 >> SPD-3001 CONTROL	
C-30-101	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3010 TO: RTU-NFL1 2 #14 >> AIT-3010 CONTROL	
C-30-102	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3010 TO: RTU-NFL1 2 #14 >> FSL-3010 CONTROL	
C-30-103	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3011 TO: RTU-NFL1 2 #14 >> FIT-3011 CONTROL	
C-30-104	30E14	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3011 TO: RTU-NFL1 6 #14 >> FV-3011 CONTROL	
C-30-105	30E14	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3011 TO: RTU-NFL1 2 #14 >> LIT-3011 CONTROL	
C-30-106	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3012 TO: RTU-NFL1 6 #14 >> FV-3012 CONTROL	
C-30-107	30E06	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3013 TO: RTU-NFL1 6 #14 >> FV-3013 CONTROL	
C-30-108	30E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3014 TO: FV-3014 7 #14 >> LCP-3014 CONTROL	
C-30-109	30E06	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3014 TO: RTU-NFL1 8 #14 >> FV-3014 CONTROL	
C-30-111	30E14	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3016 TO: RTU-NFL1 8 #14 >> FV-3016 CONTROL	
C-30-112	30E14	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3017 TO: RTU-NFL1 8 #14 >> FV-3017 CONTROL	
C-30-120	30E14	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3011 TO: RTU-NFL1 2 #14 >> AIT-3011 CONTROL POWER	
C-30-151	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3020 TO: RTU-SFL2 2 #14 >> AIT-3020 CONTROL	
C-30-152	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3020 TO: RTU-SFL2 2 #14 >> FSL-3020 CONTROL	
C-30-153	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3021 TO: RTU-SFL2 2 #14 >> FIT-3021 CONTROL	
C-30-154	30E18	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3021 TO: RTU-SFL2 6 #14 >> FV-3021 CONTROL	
C-30-155	30E18	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3021 TO: RTU-SFL2 2 #14 >> LIT-3021 CONTROL	
C-30-156	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3022 TO: RTU-SFL2 6 #14 >> FV-3022 CONTROL	
C-30-157	30E06	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3023 TO: RTU-SFL2 6 #14 >> FV-3023 CONTROL	
C-30-158	30E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3024 TO: FV-3024 7 #14 >> LCP-3024 CONTROL	

February 2025

16990B-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-159	30E06	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3024 TO: RTU-SFL2 8 #14 >> FV-3024 CONTROL/STATUS	
C-30-161	30E18	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3026 TO: RTU-SFL2 8 #14 >> FV-3026 CONTROL	
C-30-162	30E18	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3027 TO: RTU-SFL2 8 #14 >> FV-3027 CONTROL	
C-30-170	30E18	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3021 TO: RTU-SFL2 2 #14 >> AIT-3021 CONTROL	
C-30-201	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3030 TO: RTU-NFL3 2 #14 >> AIT-3030 CONTROL	
C-30-202	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3030 TO: RTU-NFL3 2 #14 >> FSL-3030 CONTROL	
C-30-203	30E07	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3031 TO: RTU-NFL3 2 #14 >> FIT-3031 CONTROL	
C-30-204	30E14	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3031 TO: RTU-NFL3 6 #14 >> FV-3031 CONTROL	
C-30-205	30E14	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3031 TO: RTU-NFL3 2 #14 >> LIT-3031 CONTROL	
C-30-206	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3032 TO: RTU-NFL3 6 #14 >> FV-3032 CONTROL	
C-30-207	30E06	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3033 TO: RTU-NFL3 6 #14 >> FV-3033 CONTROL	
C-30-208	30E07	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3034 TO: FV-3034 7 #14 >> LCP-3034 CONTROL	
C-30-209	30E06	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3034 TO: RTU-NFL3 8 #14 >> FV-3034 CONTROL	
C-30-211	30E14	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3036 TO: RTU-NFL3 8 #14 >> FV-3036 CONTROL	
C-30-212	30E14	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3037 TO: RTU-NFL3 8 #14 >> FV-3037 CONTROL	
C-30-220	30E14	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3031 TO: RTU-NFL3 2 #14 >> AIT-3031 CONTROL	
C-30-251	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3040 TO: RTU-SFL4 2 #14 >> AIT-3040 CONTROL	
C-30-252	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3040 TO: RTU-SFL4 2 #14 >> FSL-3040 CONTROL	
C-30-253	30E07	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3041 TO: RTU-SFL4 2 #14 >> FIT-3041 CONTROL	
C-30-254	30E18	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3041 TO: RTU-SFL4 6 #14 >> FV-3041 CONTROL	
C-30-255	30E18	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3041 TO: RTU-SFL4 2 #14 >> LIT-3041 CONTROL	

February 2025

16990B-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-256	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3042 TO: RTU-SFL4 6 #14 >> FV-3042 CONTROL	
C-30-257	30E06	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3043 TO: RTU-SFL4 6 #14 >> FV-3043 CONTROL	
C-30-258	30E07	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3044 TO: FV-3044 7 #14 >> LCP-3044 CONTROL	
C-30-259	30E06	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3044 TO: RTU-SFL4 8 #14 >> FV-3044 CONTROL	
C-30-261	30E18	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3046 TO: RTU-SFL4 8 #14 >> FV-3046 CONTROL	
C-30-262	30E18	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3047 TO: RTU-SFL4 8 #14 >> FV-3047 CONTROL	
C-30-270	30E18	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3041 TO: RTU-SFL4 2 #14 >> AIT-3041 CONTROL	
C-30-301	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3050 TO: RTU-NFL5 2 #14 >> AIT-3050 CONTROL	
C-30-302	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3050 TO: RTU-NFL5 2 #14 >> FSL-3050 CONTROL	
C-30-303	30E07	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3051 TO: RTU-NFL5 2 #14 >> FIT-3051 CONTROL	
C-30-304	30E14	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3051 TO: RTU-NFL5 6 #14 >> FV-3051 CONTROL	
C-30-305	30E14	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3051 TO: RTU-NFL5 2 #14 >> LIT-3051 CONTROL	
C-30-306	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3052 TO: RTU-NFL5 6 #14 >> FV-3052 CONTROL	
C-30-307	30E06	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3053 TO: RTU-NFL5 6 #14 >> FV-3053 CONTROL	
C-30-308	30E07	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3054 TO: FV-3054 7 #14 >> LCP-3054 CONTROL	
C-30-309	30E06	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3054 TO: RTU-NFL5 8 #14 >> FV-3054 CONTROL	
C-30-311	30E14	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3056 TO: RTU-NFL5 8 #14 >> FV-3056 CONTROL	
C-30-312	30E14	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3057 TO: RTU-NFL5 8 #14 >> FV-3057 CONTROL	
C-30-320	30E14	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3051 TO: RTU-NFL5 2 #14 >> AIT-3051 CONTROL	
C-30-351	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3060 TO: RTU-SFL6 2 #14 >> AIT-3060 CONTROL	
C-30-352	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3060 TO: RTU-SFL6 2 #14 >> FSL-3060 CONTROL	

February 2025

16990B-4

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-353	30E07	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3061 TO: RTU-SFL6 2 #14 >> FIT-3061 CONTROL	
C-30-354	30E18	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3061 TO: RTU-SFL6 6 #14 >> FV-3061 CONTROL	
C-30-355	30E18	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3061 TO: RTU-SFL6 2 #14 >> LIT-3061 CONTROL	
C-30-356	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3062 TO: RTU-SFL6 6 #14 >> FV-3062 CONTROL	
C-30-357	30E06	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3063 TO: RTU-SFL6 6 #14 >> FV-3063 CONTROL	
C-30-358	30E07	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3064 TO: FV-3064 7 #14 >> LCP-3064 CONTROL	
C-30-359	30E06	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3064 TO: RTU-SFL6 8 #14 >> FV-3064 CONTROL	
C-30-361	30E18	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3066 TO: RTU-SFL6 8 #14 >> FV-3066 CONTROL	
C-30-362	30E18	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3067 TO: RTU-SFL6 8 #14 >> FV-3067 CONTROL	
C-30-370	30E18	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3061 TO: RTU-SFL6 2 #14 >> AIT-3061 CONTROL	
C-30-401	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3070 TO: RTU-NFL7 2 #14 >> AIT-3070 CONTROL	
C-30-402	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3070 TO: RTU-NFL7 2 #14 >> FSL-3070 CONTROL	
C-30-403	30E05 30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3071 TO: RTU-NFL7 2 #14 >> AIT-3071 CONTROL	
C-30-404	30E13	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3071 TO: RTU-NFL7 8 #14 >> FV-3071 CONTROL	
C-30-405	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3071 TO: RTU-NFL7 2 #14 >> FIT-3071 CONTROL	
C-30-406	30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3071 TO: RTU-NFL7 2 #14 >> LIT-3071 24VDC POWER	
C-30-407	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3072 TO: FV-3072 7 #14 >> LCP-3072 CONTROL	
C-30-408	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3072 TO: RTU-NFL7 6 #14 >> FV-3072 CONTROL	
C-30-410	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3073 TO: FV-3073 7 #14 >> LCP-3073 CONTROL	
C-30-411	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3073 TO: RTU-NFL7 6 #14 >> FV-3073 CONTROL	
C-30-413	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3074 TO: FV-3074 7 #14 >> LCP-3074 CONTROL	

February 2025

16990B-5

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-414	30E05	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3074 TO: RTU-NFL7 8 #14 >> FV-3074 CONTROL	
C-30-417	30E13	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3076 TO: FV-3076 7 #14 >> LCP-3076 CONTROL	
C-30-418	30E13	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3076 TO: RTU-NFL7 8 #14 >> FV-3076 CONTROL	
C-30-420	30E13	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3077 TO: RTU-NFL7 6 #14 >> FV-3077 CONTROL	
C-30-451	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3080 TO: RTU-SFL8 2 #14 >> AIT-3080 CONTROL	
C-30-452	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3080 TO: RTU-SFL8 2 #14 >> RTU-SFL8	
C-30-453	30E05 30E17	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3081 TO: RTU-SFL8 2 #14 >> AIT-3081 CONTROL	
C-30-454	30E17	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3081 TO: RTU-SFL8 8 #14 >> FV-3081 CONTROL	
C-30-455	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3081 TO: RTU-SFL8 2 #14 >> FIT-3081 CONTROL	
C-30-456	30E17	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3081 TO: RTU-SFL8 2 #14 >> LIT-3081 24VDC POWER	
C-30-457	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3082 TO: FV-3082 7 #14 >> LCP-3082 CONTROL	
C-30-458	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3082 TO: RTU-SFL8 6 #14 >> FV-3082 CONTROL	
C-30-460	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3083 TO: FV-3083 7 #14 >> LCP-3083 CONTROL	
C-30-461	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3083 TO: RTU-SFL8 6 #14 >> FV-3083 CONTROL	
C-30-463	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3084 TO: FV-3084 7 #14 >> LCP-3084 CONTROL	
C-30-464	30E05	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3084 TO: RTU-SFL8 8 #14 >> FV-3084 CONTROL	
C-30-467	30E17	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3086 TO: FV-3086 7 #14 >> LCP-3086 CONTROL	
C-30-468	30E17	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3086 TO: RTU-SFL8 8 #14 >> FV-3086 CONTROL	
C-30-470	30E17	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3087 TO: RTU-SFL8 6 #14 >> FV-3087 CONTROL	
C-30-501	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3090 TO: RTU-NFL9 2 #14 >> AIT-3090 CONTROL	
C-30-502	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3090 TO: RTU-NFL9 2 #14 >> FSL-3090 STATUS	

February 2025

16990B-6

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-503	30E05 30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> AIT-3091 CONTROL	
C-30-504	30E13	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3091 CONTROL	
C-30-505	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> FIT-3091 CONTROL	
C-30-506	30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> LIT-3091 24VDC POWER	
C-30-507	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3092 FV-3092 CONTROL	
C-30-508	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3092 CONTROL	
C-30-510	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3093 FV-3093 CONTROL	
C-30-511	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3093 CONTROL	
C-30-513	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3094 FV-3094 CONTROL	
C-30-514	30E05	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3094 CONTROL	
C-30-517	30E13	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3096 FV-3096 CONTROL	
C-30-518	30E13	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3096 CONTROL	
C-30-520	30E13	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3097 CONTROL	
C-30-551	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> AIT-3100 RTU-SFL10 CONTROL	
C-30-552	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> FSL-3100 RTU-SFL10 STATUS	
C-30-553	30E05 30E17	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> AIT-3101 CONTROL	
C-30-554	30E17	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3101 CONTROL	
C-30-555	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> FIT-3101 RTU-SFL10 CONTROL	
C-30-556	30E17	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> LIT-3101 CONTROL	
C-30-557	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3102 FV-3102 CONTROL	
C-30-558	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3102 CONTROL	

February 2025

16990B-7

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-560	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3103 TO: FV-3103 7 #14 >> LCP-3103 CONTROL	
C-30-561	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3103 TO: RTU-SFL10 6 #14 >> FV-3103 CONTROL	
C-30-563	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3104 TO: FV-3104 7 #14 >> LCP-3104 CONTROL	
C-30-564	30E05	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3104 TO: RTU-SFL10 8 #14 >> FV-3104 CONTROL	
C-30-567	30E17	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3106 TO: FV-3106 7 #14 >> LCP-3106 CONTROL	
C-30-568	30E17	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3106 TO: RTU-SFL10 8 #14 >> FV-3106 CONTROL	
C-30-570	30E17	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3107 TO: RTU-SFL10 6 #14 >> FV-3107 CONTROL	
C-30-601	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3110 TO: RTU-NFL11 2 #14 >> AIT-3110 CONTROL	
C-30-602	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3110 TO: RTU-NFL11 2 #14 >> FSL-3110 STATUS	
C-30-603	30E05 30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3111 TO: RTU-NFL11 2 #14 >> AIT-3111 CONTROL	
C-30-604	30E13	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3111 TO: RTU-NFL11 8 #14 >> FV-3111 CONTROL	
C-30-605	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3111 TO: RTU-NFL11 2 #14 >> FIT-3111 CONTROL	
C-30-606	30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3111 TO: RTU-NFL11 2 #14 >> LIT-3111 24VDC POWER	
C-30-607	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3112 TO: FV-3112 7 #14 >> LCP-3112 CONTROL	
C-30-608	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3112 TO: RTU-NFL11 6 #14 >> FV-3112 CONTROL	
C-30-610	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3113 TO: FV-3113 7 #14 >> LCP-3113 CONTROL	
C-30-611	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3113 TO: RTU-NFL11 6 #14 >> FV-3113 CONTROL	
C-30-613	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3114 TO: FV-3114 7 #14 >> LCP-3114 CONTROL	
C-30-614	30E05	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3114 TO: RTU-NFL11 8 #14 >> FV-3114 CONTROL	
C-30-617	30E13	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3116 TO: FV-3116 7 #14 >> LCP-3116 CONTROL	
C-30-618	30E13	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3116 TO: RTU-NFL11 8 #14 >> FV-3116 CONTROL	

February 2025

16990B-8

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-620	30E13	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3117 TO: RTU-NFL11 6 #14 >> FV-3117 CONTROL	
C-30-651	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3120 TO: RTU-SFL12 2 #14 >> AIT-3120 CONTROL	
C-30-652	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3120 TO: RTU-SFL12 2 #14 >> FSL-3120 STATUS	
C-30-653	30E05 30E17	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3121 TO: RTU-SFL12 2 #14 >> AIT-3121 CONTROL	
C-30-654	30E17	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3121 TO: RTU-SFL12 8 #14 >> FV-3121 CONTROL	
C-30-655	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3121 TO: RTU-SFL12 2 #14 >> FIT-3121 CONTROL	
C-30-656	30E17	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3121 TO: RTU-SFL12 2 #14 >> LIT-3121 24VDC POWER	
C-30-657	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3122 TO: FV-3122 7 #14 >> LCP-3122 CONTROL	
C-30-658	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3122 TO: RTU-SFL12 6 #14 >> FV-3122 CONTROL	
C-30-660	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3123 TO: FV-3123 7 #14 >> LCP-3123 CONTROL	
C-30-661	30E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3123 TO: RTU-SFL12 6 #14 >> FV-3123 CONTROL	
C-30-663	30E05	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3124 TO: FV-3124 7 #14 >> LCP-3124 CONTROL	
C-30-664	30E05	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3124 TO: RTU-SFL12 8 #14 >> FV-3124 CONTROL	
C-30-667	30E17	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3126 TO: FV-3126 7 #14 >> LCP-3126 CONTROL	
C-30-668	30E17	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3126 TO: RTU-SFL12 8 #14 >> FV-3126 CONTROL	
C-30-670	30E17	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3127 TO: RTU-SFL12 6 #14 >> FV-3127 CONTROL	
C-30-691	30E19	1"	1	PULL	ROPE				FR: FILTER 8 EXIT DOOR SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-30-695	30E19	1"	1	PULL	ROPE				FR: FILTER 7 EXIT DOOR SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-30-698	30E19	1"	1	PULL	ROPE				FR: LEVEL 1 TUNNEL DOOR SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-30-701	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3130 TO: RTU-NFL13 2 #14 >> AIT-3130 CONTROL	
C-30-702	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3130 TO: RTU-NFL13 2 #14 >> FSL-3130 CONTROL	

February 2025

16990B-9

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-703	30E04 30E12	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> AIT-3131 CONTROL	
C-30-704	30E12	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3131 CONTROL	
C-30-705	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> FIT-3131 CONTROL	
C-30-706	30E12	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> LIT-3131 24VDC POWER	
C-30-707	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3132 CONTROL	
C-30-708	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3132 CONTROL	
C-30-710	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3133 CONTROL	
C-30-711	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3133 CONTROL	
C-30-713	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3134 CONTROL	
C-30-714	30E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3134 CONTROL	
C-30-717	30E12	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3136 CONTROL	
C-30-718	30E12	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3136 CONTROL	
C-30-720	30E12	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3137 CONTROL	
C-30-751	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> AIT-3140 CONTROL	
C-30-752	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> FSL-3140 CONTROL	
C-30-753	30E04 30E16	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> AIT-3141 CONTROL	
C-30-754	30E16	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 8 #14 >> FV-3141 CONTROL	
C-30-755	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> FIT-3141 CONTROL	
C-30-756	30E16	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 2 #14 >> LIT-3141 CONTROL POWER	
C-30-757	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 7 #14 >> LCP-3142 CONTROL	
C-30-758	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TO: 6 #14 >> FV-3142 CONTROL	

February 2025

16990B-10

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-760	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3143 TO: FV-3143 7 #14 >> LCP-3143 CONTROL	
C-30-761	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3143 TO: RTU-SFL14 6 #14 >> FV-3143 CONTROL	
C-30-763	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3144 TO: FV-3144 7 #14 >> LCP-3144 CONTROL	
C-30-764	30E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3144 TO: RTU-SFL14 8 #14 >> FV-3144 CONTROL	
C-30-767	30E16	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3146 TO: FV-3146 7 #14 >> LCP-3146 CONTROL	
C-30-768	30E16	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3146 TO: RTU-SFL14 8 #14 >> FV-3146 CONTROL	
C-30-770	30E16	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3147 TO: RTU-SFL14 6 #14 >> FV-3147 CONTROL	
C-30-801	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3150 TO: RTU-NFL15 2 #14 >> AIT-3150 CONTROL	
C-30-802	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3150 TO: RTU-NFL15 2 #14 >> FSL-3150 CONTROL	
C-30-803	30E04 30E12	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3151 TO: RTU-NFL15 2 #14 >> AIT-3151 CONTROL	
C-30-804	30E12	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3151 TO: RTU-NFL15 8 #14 >> FV-3151 CONTROL	
C-30-805	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3151 TO: RTU-NFL15 2 #14 >> FIT-3151 CONTROL	
C-30-806	30E12	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3151 TO: RTU-NFL15 2 #14 >> LIT-3151 24VDC POWER	
C-30-807	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3152 TO: FV-3152 7 #14 >> LCP-3152 CONTROL	
C-30-808	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3152 TO: RTU-NFL15 6 #14 >> FV-3152 CONTROL	
C-30-810	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3153 TO: FV-3153 7 #14 >> LCP-3153 CONTROL	
C-30-811	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3153 TO: RTU-NFL15 6 #14 >> FV-3153 CONTROL	
C-30-813	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3154 TO: FV-3154 7 #14 >> LCP-3154 CONTROL	
C-30-814	30E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3154 TO: RTU-NFL15 8 #14 >> FV-3154 CONTROL	
C-30-817	30E12	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3156 TO: FV-3156 7 #14 >> LCP-3156 CONTROL	
C-30-818	30E12	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3156 TO: RTU-NFL15 8 #14 >> FV-3156 CONTROL	

February 2025

16990B-11

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-820	30E12	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3157 TO: RTU-NFL15 6 #14 >> FV-3157 CONTROL	
C-30-851	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3160 TO: RTU-SFL16 2 #14 >> AIT-3160 CONTROL	
C-30-852	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-3160 TO: RTU-SFL16 2 #14 >> FSL-3160 CONTROL	
C-30-853	30E04 30E16	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: AIT-3161 TO: RTU-SFL16 2 #14 >> AIT-3161 CONTROL	
C-30-854	30E16	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3161 TO: RTU-SFL16 8 #14 >> FV-3161 CONTROL	
C-30-855	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-3161 TO: RTU-SFL16 2 #14 >> FIT-3161 CONTROL	
C-30-856	30E16	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3161 TO: RTU-SFL16 2 #14 >> LIT-3161 CONTROL	
C-30-857	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3162 TO: FV-3162 7 #14 >> LCP-3162 CONTROL	
C-30-858	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3162 TO: RTU-SFL16 6 #14 >> FV-3162 CONTROL	
C-30-860	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3163 TO: FV-3163 7 #14 >> LCP-3163 CONTROL	
C-30-861	30E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3163 TO: RTU-SFL16 6 #14 >> FV-3163 CONTROL	
C-30-863	30E04	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3164 TO: FV-3164 7 #14 >> LCP-3164 CONTROL	
C-30-864	30E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3164 TO: RTU-SFL16 8 #14 >> FV-3164 CONTROL	
C-30-867	30E16	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-3166 TO: FV-3166 7 #14 >> LCP-3166 CONTROL	
C-30-868	30E16	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3166 TO: RTU-SFL16 8 #14 >> FV-3166 CONTROL	
C-30-870	30E16	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-3167 TO: RTU-SFL16 6 #14 >> FV-3167 CONTROL	
C-30-901	30E05	0.75"	2 2	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PMP-3911 TO: MCC-A 2 #12 >> MWH-3911 POWER 2 #14 >> TSH-3911 CONTROL	
C-30-902	30E05	0.75"	2 2	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PMP-3921 TO: MCC-A 2 #12 >> MWH-3921 POWER 2 #14 >> TSH-3921 CONTROL	
C-30-906	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-4051 TO: RTU-ELEC2C 6 #14 >> FV-4051 CONTROL	
C-30-907	30E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-4051 TO: FV-4051 7 #14 >> LCP-4051 CONTROL	

February 2025

16990B-12

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-30-908	30E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-4061 TO: RTU-ELEC2C 6 #14 >> FV-4061 CONTROL	
C-30-909	30E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-4061 TO: FV-4061 7 #14 >> LCP-4061 CONTROL	
C-30-910	30E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-4135 TO: RTU-FBW 2 #14 >> FIT-4135 CONTROL POWER	
C-30-911	30E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-4136 TO: RTU-FBW 2 #14 >> FIT-4136 CONTROL POWER	
C-30-912	30E02	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-4411 TO: RTU-FBW 6 #14 >> FV-4411 CONTROL	
C-30-913	30E02	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-4411 TO: FV-4411 7 #14 >> LCP-4411 CONTROL	
C-30-914	30E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-4411 TO: RTU-FBW 2 #14 >> FIT-4411 24VDC CONTROL POWER	
C-30-915	01E04 01E05 30E03	1"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-4425 TO: RTU-BL 2 #14 >> LSH-4425 CONTROL	
C-30-916	01E04 01E05 30E03	1"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSHH-4427 TO: RTU-BL 2 #14 >> LSHH-4427 CONTROL	
C-30-930	30E13	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3001 TO: RTU-FBW 2 #14 >> LIT-3001 CONTROL POWER	
C-30-932	30E17	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LIT-3002 TO: RTU-FBW 2 #14 >> LIT-3002 CONTROL	
C-30-951	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSHH-3931 TO: RTU-FBW 2 #14 >> LSHH-3931 STATUS	
C-30-952	30E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-3942 TO: RTU-FBW 2 #14 >> FSH-3942 STATUS	
L-30-005	30E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: RTU-BL TO: UPS-S 2 #12 >> RTU-BL POWER	
L-30-691	30E19	1"	2	#12	XHHW-2	1	#12	XHHW-2	FR: SECURITY PANEL TO: PNL-B1 2 #12 >> SECURITY PANEL POWER	
L-30-695	30E19	1"	2	#12	XHHW-2	1	#12	XHHW-2	FR: SECURITY PANEL TO: UPS-B 2 #12 >> SECURITY PANEL POWER	
L-30-696	30E19	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LOI-FB TO: UPS-B 2 #12 >> LOI-FB POWER	
L-30-950	30E05	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-3931 TO: PANELBOARD FGA, CKT 5 2 #12 >> PMP-3931 POWER	
L-30-951	30E05	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-3941 TO: PANELBOARD FGA, CKT 7 2 #12 >> PMP-3941 POWER	
N-30-005	30E03	2"	1		12/FO	1	#14	XHHW-2	FR: RTU-BL TO: LEVEL 2 NETWORK ROOM 1 12/FO >> RTU-BL NETWORK	
N-30-010	30E03	0.75"	1		CAT5E	1	#14	XHHW-2	FR: MCC-BL TO: RTU-BL 1 CAT5E >> MCC-BL NETWORK	

February 2025

16990B-13

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
N-30-101	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3010 TO: RTU-NFL1 1 CAT6 >> AIT-3010 NETWORK	
N-30-102	30E06	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3011 TO: RTU-NFL1 1 RS-485 >> FIT-3011 NETWORK	
N-30-103	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3019 TO: RTU-NFL1 1 CAT6 >> AIT-3019 NETWORK	
N-30-151	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3020 TO: RTU-SFL2 1 CAT6 >> AIT-3020 NETWORK	
N-30-152	30E06	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3021 TO: RTU-SFL2 1 RS-485 >> FIT-3021 NETWORK	
N-30-153	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3029 TO: RTU-SFL2 1 CAT6 >> AIT-3029 NETWORK	
N-30-201	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3030 TO: RTU-NFL3 1 CAT6 >> AIT-3030 NETWORK	
N-30-202	30E07	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3031 TO: RTU-NFL3 1 RS-485 >> FIT-3031 NETWORK	
N-30-203	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3039 TO: RTU-NFL3 1 CAT6 >> AIT-3039 NETWORK	
N-30-251	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3040 TO: RTU-SFL4 1 CAT6 >> AIT-3040 NETWORK	
N-30-252	30E07	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3041 TO: RTU-SFL4 1 RS-485 >> FIT-3041 NETWORK	
N-30-253	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3049 TO: RTU-SFL4 1 CAT6 >> AIT-3049 NETWORK	
N-30-301	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3050 TO: RTU-NFL5 1 CAT6 >> AIT-3050 NETWORK	
N-30-302	30E07	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3051 TO: RTU-NFL5 1 RS-485 >> FIT-3051 NETWORK	
N-30-303	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3059 TO: RTU-NFL5 1 CAT6 >> AIT-3059 NETWORK	
N-30-351	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3060 TO: RTU-SFL6 1 CAT6 >> AIT-3060 NETWORK	
N-30-352	30E07	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3061 TO: RTU-SFL6 1 RS-485 >> FIT-3061 NETWORK	
N-30-353	30E06	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3069 TO: RTU-SFL6 1 CAT6 >> AIT-3069 NETWORK	
N-30-401	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3070 TO: RTU-NFL7 1 CAT6 >> AIT-3070 NETWORK	
N-30-402	30E05	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3071 TO: RTU-NFL7 1 RS-485 >> FIT-3071 NETWORK	
N-30-403	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3079 TO: RTU-NFL7 1 CAT6 >> AIT-3079 NETWORK	

February 2025

16990B-14

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
N-30-451	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3080 TO: RTU-SFL8 1 CAT6 >> AIT-3080 NETWORK	
N-30-452	30E05	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3081 TO: RTU-SFL8 1 RS-485 >> FIT-3081 NETWORK	
N-30-453	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3089 TO: RTU-SFL8 1 CAT6 >> AIT-3089 NETWORK	
N-30-501	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3090 TO: RTU-NFL9 1 CAT6 >> AIT-3090 NETWORK	
N-30-502	30E05	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3091 TO: RTU-NFL9 1 RS-485 >> FIT-3091 NETWORK	
N-30-503	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3099 TO: RTU-NFL9 1 CAT6 >> AIT-3099 NETWORK	
N-30-551	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3100 TO: RTU-SFL10 1 CAT6 >> AIT-3100 NETWORK	
N-30-552	30E05	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3101 TO: RTU-SFL10 1 RS-485 >> FIT-3101 NETWORK	
N-30-553	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3109 TO: RTU-SFL10 1 CAT6 >> AIT-3109 NETWORK	
N-30-601	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3110 TO: RTU-NFL11 1 CAT6 >> AIT-3110 NETWORK	
N-30-602	30E05	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3111 TO: RTU-NFL11 1 RS-485 >> FIT-3111 NETWORK	
N-30-603	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3119 TO: RTU-NFL11 1 CAT6 >> AIT-3119 NETWORK	
N-30-651	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3120 TO: RTU-SFL12 1 CAT6 >> AIT-3120 NETWORK	
N-30-652	30E05	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3121 TO: RTU-SFL12 1 RS-485 >> FIT-3121 NETWORK	
N-30-653	30E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3129 TO: RTU-SFL12 1 CAT6 >> AIT-3129 NETWORK	
N-30-691	30E19	1"	1	PULL	ROPE				FR: SECURITY PANEL TO: NETWORK RACK 1 PULL >> SPARE	
N-30-695	30E19	1"	1		CAT6	1	#14	XHHW-2	FR: LOI-FB TO: NETWORK ROOM FIBER PATCH PANEL 1 CAT6 >> LOI-FB NETWORK	
N-30-701	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3130 TO: RTU-NFL13 1 CAT6 >> AIT-3130 NETWORK	
N-30-702	30E04	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3131 TO: RTU-NFL13 1 RS-485 >> FIT-3131 NETWORK	
N-30-703	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3139 TO: RTU-NFL13 1 CAT6 >> AIT-3139 NETWORK	
N-30-751	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3140 TO: RTU-SFL14 1 CAT6 >> AIT-3140 NETWORK	

February 2025

16990B-15

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
N-30-752	30E04	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3141 TO: RTU-SFL14 1 RS-485 >> FIT-3141 NETWORK	
N-30-753	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3149 TO: RTU-SFL14 1 CAT6 >> AIT-3149 NETWORK	
N-30-801	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3150 TO: RTU-NFL15 1 CAT6 >> AIT-3150 NETWORK	
N-30-802	30E04	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3151 TO: RTU-NFL15 1 RS-485 >> FIT-3151 NETWORK	
N-30-803	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3159 TO: RTU-NFL15 1 CAT6 >> AIT-3159 NETWORK	
N-30-851	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3160 TO: RTU-SFL16 1 CAT6 >> AIT-3160 NETWORK	
N-30-852	30E04	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-3161 TO: RTU-SFL16 1 RS-485 >> FIT-3161 NETWORK	
N-30-853	30E04	0.75"	1		CAT6	1	#14	XHHW-2	FR: AIT-3169 TO: RTU-SFL16 1 CAT6 >> AIT-3169 NETWORK	
N-30-902	30E04	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-4135 TO: RTU-FBW 1 RS-485 >> FIT-4135 MBRTU	
N-30-904	30E02	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-4411 TO: RTU-FBW 1 RS-485 >> FIT-4411 NETWORK	
P-30-011	30E03	3"	3 2 2	300 #12 #14	XHHW-2 XHHW-2 XHHW-2	1	#1/0	XHHW-2	FR: BLO-4201 TO: MCC-BL 3 300 >> BLO-4201 POWER 2 #12 >> BLO-4201 MWH POWER 2 #14 >> BLO-4201 TSH CONTROL	
P-30-012	30E03	3"	3	300	XHHW-2	1	#1/0	XHHW-2	FR: BLO-4201 TO: MCC-BL 3 300 >> BLO-4201 POWER	
P-30-021	30E03	3"	3 2 2	300 #12 #14	XHHW-2 XHHW-2 XHHW-2	1	#1/0	XHHW-2	FR: BLO-4211 TO: MCC-BL 3 300 >> BLO-4211 POWER 2 #12 >> BLO-4211 MWH POWER 2 #14 >> BLO-4211 TSH CONTROL	
P-30-022	30E03	3"	3	300	XHHW-2	1	#1/0	XHHW-2	FR: BLO-4211 TO: MCC-BL 3 300 >> BLO-4211 POWER	
P-30-101	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3011 TO: FV-3011 3 #12 >> FV-3011 POWER	
P-30-102	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3012 TO: FV-3012 3 #12 >> FV-3012 POWER	
P-30-103	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3013 TO: FV-3013 3 #12 >> FV-3013 POWER	
P-30-104	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3014 TO: FV-3014 3 #12 >> FV-3014 POWER	
P-30-106	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3016 TO: FV-3016 3 #12 >> FV-3016 POWER	
P-30-107	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3017 TO: FV-3017 3 #12 >> FV-3017 POWER	

February 2025

16990B-16

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-111	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3011 TO: PP-6 3 #12 >> DISC-3011 POWER	
P-30-112	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3012 TO: PP-6 3 #12 >> DISC-3012 POWER	
P-30-113	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3013 TO: PP-6 3 #12 >> DISC-3013 POWER	
P-30-114	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3014 TO: PP-6 3 #12 >> DISC-3014 POWER	
P-30-116	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3016 TO: PP-6 3 #12 >> DISC-3016 POWER	
P-30-117	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3017 TO: PP-6 3 #12 >> DISC-3017 POWER	
P-30-151	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3021 TO: FV-3021 3 #12 >> FV-3021 POWER	
P-30-152	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3022 TO: FV-3022 3 #12 >> FV-3022 POWER	
P-30-153	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3023 TO: FV-3023 3 #12 >> FV-3023 POWER	
P-30-154	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3024 TO: FV-3024 3 #12 >> FV-3024 POWER	
P-30-156	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3026 TO: FV-3026 3 #12 >> FV-3026 POWER	
P-30-157	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3027 TO: FV-3027 3 #12 >> FV-3027 POWER	
P-30-161	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3021 TO: PP-6 3 #12 >> DISC-3021 POWER	
P-30-162	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3022 TO: PP-6 3 #12 >> DISC-3022 POWER	
P-30-163	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3023 TO: PP-6 3 #12 >> DISC-3023 POWER	
P-30-164	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3024 TO: PP-6 3 #12 >> DISC-3024 POWER	
P-30-166	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3026 TO: PP-6 3 #12 >> DISC-3026 POWER	
P-30-167	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3027 TO: PP-6 3 #12 >> DISC-3027 POWER	
P-30-201	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3031 TO: FV-3031 3 #12 >> FV-3031 POWER	
P-30-202	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3032 TO: FV-3032 3 #12 >> FV-3032 POWER	
P-30-203	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3033 TO: FV-3033 3 #12 >> FV-3033 POWER	

February 2025

16990B-17

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-204	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3034 TO: FV-3034 3 #12 >> FV-3034 POWER	
P-30-206	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3036 TO: FV-3036 3 #12 >> FV-3036 POWER	
P-30-207	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3037 TO: FV-3037 3 #12 >> FV-3037 POWER	
P-30-211	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3031 TO: PP-7 3 #12 >> DISC-3031 POWER	
P-30-212	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3032 TO: PP-7 3 #12 >> DISC-3032 POWER	
P-30-213	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3033 TO: PP-7 3 #12 >> DISC-3033 POWER	
P-30-214	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3034 TO: PP-7 3 #12 >> DISC-3034 POWER	
P-30-216	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3036 TO: PP-7 3 #12 >> DISC-3036 POWER	
P-30-217	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3037 TO: PP-7 3 #12 >> DISC-3037 POWER	
P-30-251	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3041 TO: FV-3041 3 #12 >> FV-3041 POWER	
P-30-252	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3042 TO: FV-3042 3 #12 >> FV-3042 POWER	
P-30-253	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3043 TO: FV-3043 3 #12 >> FV-3043 POWER	
P-30-254	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3044 TO: FV-3044 3 #12 >> FV-3044 POWER	
P-30-256	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3046 TO: FV-3046 3 #12 >> FV-3046 POWER	
P-30-257	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3047 TO: FV-3047 3 #12 >> FV-3047 POWER	
P-30-261	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3041 TO: PP-7 3 #12 >> DISC-3041 POWER	
P-30-262	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3042 TO: PP-7 3 #12 >> DISC-3042 POWER	
P-30-263	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3043 TO: PP-7 3 #12 >> DISC-3043 POWER	
P-30-264	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3044 TO: PP-7 3 #12 >> DISC-3044 POWER	
P-30-266	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3046 TO: PP-7 3 #12 >> DISC-3046 POWER	
P-30-267	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3047 TO: PP-7 3 #12 >> DISC-3047 POWER	

February 2025

16990B-18

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-301	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3051 TO: FV-3051 3 #12 >> FV-3051 POWER	
P-30-302	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3052 TO: FV-3052 3 #12 >> FV-3052 POWER	
P-30-303	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3053 TO: FV-3053 3 #12 >> FV-3053 POWER	
P-30-304	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3054 TO: FV-3054 3 #12 >> FV-3054 POWER	
P-30-306	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3056 TO: FV-3056 3 #12 >> FV-3056 POWER	
P-30-307	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3057 TO: FV-3057 3 #12 >> FV-3057 POWER	
P-30-311	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3051 TO: PP-8 3 #12 >> DISC-3051 POWER	
P-30-312	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3052 TO: PP-8 3 #12 >> DISC-3052 POWER	
P-30-313	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3053 TO: PP-8 3 #12 >> DISC-3053 POWER	
P-30-314	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3054 TO: PP-8 3 #12 >> DISC-3054 POWER	
P-30-316	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3056 TO: PP-8 3 #12 >> DISC-3056 POWER	
P-30-317	30E14	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3057 TO: PP-8 3 #12 >> DISC-3057 POWER	
P-30-351	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3061 TO: FV-3061 3 #12 >> FV-3061 POWER	
P-30-352	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3062 TO: FV-3062 3 #12 >> FV-3062 POWER	
P-30-353	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3063 TO: FV-3063 3 #12 >> FV-3063 POWER	
P-30-354	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3064 TO: FV-3064 3 #12 >> FV-3064 POWER	
P-30-356	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3066 TO: FV-3066 3 #12 >> FV-3066 POWER	
P-30-357	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3067 TO: FV-3067 3 #12 >> FV-3067 POWER	
P-30-361	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3061 TO: PP-8 3 #12 >> DISC-3061 POWER	
P-30-362	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3062 TO: PP-8 3 #12 >> DISC-3062 POWER	
P-30-363	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3063 TO: PP-8 3 #12 >> DISC-3063 POWER	

February 2025

16990B-19

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-364	30E07	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3064 TO: PP-8 3 #12 >> DISC-3064 POWER	
P-30-366	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3066 TO: PP-8 3 #12 >> DISC-3066 POWER	
P-30-367	30E18	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3067 TO: PP-8 3 #12 >> DISC-3067 POWER	
P-30-401	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3071 TO: FV-3071 3 #12 >> FV-3071 POWER	
P-30-402	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3072 TO: FV-3072 3 #12 >> FV-3072 POWER	
P-30-403	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3073 TO: FV-3073 3 #12 >> FV-3073 POWER	
P-30-404	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3074 TO: FV-3074 3 #12 >> FV-3074 POWER	
P-30-406	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3076 TO: FV-3076 3 #12 >> FV-3076 POWER	
P-30-407	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3077 TO: FV-3077 3 #12 >> FV-3077 POWER	
P-30-411	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3071 TO: PP-1 3 #12 >> DISC-3071 POWER	
P-30-412	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3072 TO: PP-1 3 #12 >> DISC-3072 POWER	
P-30-413	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3073 TO: PP-1 3 #12 >> DISC-3073 POWER	
P-30-414	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3074 TO: PP-1 3 #12 >> DISC-3074 POWER	
P-30-416	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3076 TO: PP-1 3 #12 >> DISC-3076 POWER	
P-30-417	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3077 TO: PP-1 3 #12 >> DISC-3077 POWER	
P-30-451	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3081 TO: FV-3081 3 #12 >> FV-3081 POWER	
P-30-452	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3082 TO: FV-3082 3 #12 >> FV-3082 POWER	
P-30-453	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3083 TO: FV-3083 3 #12 >> FV-3083 POWER	
P-30-454	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3084 TO: FV-3084 3 #12 >> FV-3084 POWER	
P-30-456	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3086 TO: FV-3086 3 #12 >> FV-3086 POWER	
P-30-457	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3087 TO: FV-3087 3 #12 >> FV-3087 POWER	

February 2025

16990B-20

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-461	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3081 TO: PP-1 3 #12 >> DISC-3081 POWER	
P-30-462	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3082 TO: PP-1 3 #12 >> DISC-3082 POWER	
P-30-463	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3083 TO: PP-1 3 #12 >> DISC-3083 POWER	
P-30-464	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3084 TO: PP-1 3 #12 >> DISC-3084 POWER	
P-30-466	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3086 TO: PP-1 3 #12 >> DISC-3086 POWER	
P-30-467	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3087 TO: PP-1 3 #12 >> DISC-3087 POWER	
P-30-501	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3091 TO: FV-3091 3 #12 >> FV-3091 POWER	
P-30-502	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3092 TO: FV-3092 3 #12 >> FV-3092 POWER	
P-30-503	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3093 TO: FV-3093 3 #12 >> FV-3093 POWER	
P-30-504	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3094 TO: FV-3094 3 #12 >> FV-3094 POWER	
P-30-506	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3096 TO: FV-3096 3 #12 >> FV-3096 POWER	
P-30-507	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3097 TO: FV-3097 3 #12 >> FV-3097 POWER	
P-30-511	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3091 TO: PP-2 3 #12 >> DISC-3091 POWER	
P-30-512	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3092 TO: PP-2 3 #12 >> DISC-3092 POWER	
P-30-513	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3093 TO: PP-2 3 #12 >> DISC-3093 POWER	
P-30-514	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3094 TO: PP-2 3 #12 >> DISC-3094 POWER	
P-30-516	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3096 TO: PP-2 3 #12 >> DISC-3096 POWER	
P-30-517	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3097 TO: PP-2 3 #12 >> DISC-3097 POWER	
P-30-551	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3101 TO: FV-3101 3 #12 >> FV-3101 POWER	
P-30-552	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3102 TO: FV-3102 3 #12 >> FV-3102 POWER	
P-30-553	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3103 TO: FV-3103 3 #12 >> FV-3103 POWER	

February 2025

16990B-21

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-554	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3104 TO: FV-3104 3 #12 >> FV-3104 POWER	
P-30-556	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3106 TO: FV-3106 3 #12 >> FV-3106 POWER	
P-30-557	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3107 TO: FV-3107 3 #12 >> FV-3107 POWER	
P-30-561	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3101 TO: PP-2 3 #12 >> DISC-3101 POWER	
P-30-562	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3102 TO: PP-2 3 #12 >> DISC-3102 POWER	
P-30-563	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3103 TO: PP-2 3 #12 >> DISC-3103 POWER	
P-30-564	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3104 TO: PP-2 3 #12 >> DISC-3104 POWER	
P-30-566	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3106 TO: PP-2 3 #12 >> DISC-3106 POWER	
P-30-567	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3107 TO: PP-2 3 #12 >> DISC-3107 POWER	
P-30-601	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3111 TO: FV-3111 3 #12 >> FV-3111 POWER	
P-30-602	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3112 TO: FV-3112 3 #12 >> FV-3112 POWER	
P-30-603	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3113 TO: FV-3113 3 #12 >> FV-3113 POWER	
P-30-604	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3114 TO: FV-3114 3 #12 >> FV-3114 POWER	
P-30-606	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3116 TO: FV-3116 3 #12 >> FV-3116 POWER	
P-30-607	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3117 TO: FV-3117 3 #12 >> FV-3117 POWER	
P-30-611	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3111 TO: PP-3 3 #12 >> DISC-3111 POWER	
P-30-612	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3112 TO: PP-3 3 #12 >> DISC-3112 POWER	
P-30-613	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3113 TO: PP-3 3 #12 >> DISC-3113 POWER	
P-30-614	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3114 TO: PP-3 3 #12 >> DISC-3114 POWER	
P-30-616	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3116 TO: PP-3 3 #12 >> DISC-3116 POWER	
P-30-617	30E13	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3117 TO: PP-3 3 #12 >> DISC-3117 POWER	

February 2025

16990B-22

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-651	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3121 TO: FV-3121 3 #12 >> FV-3121 POWER	
P-30-652	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3122 TO: FV-3122 3 #12 >> FV-3122 POWER	
P-30-653	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3123 TO: FV-3123 3 #12 >> FV-3123 POWER	
P-30-654	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3124 TO: FV-3124 3 #12 >> FV-3124 POWER	
P-30-656	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3126 TO: FV-3126 3 #12 >> FV-3126 POWER	
P-30-657	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3127 TO: FV-3127 3 #12 >> FV-3127 POWER	
P-30-661	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3121 TO: PP-3 3 #12 >> DISC-3121 POWER	
P-30-662	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3122 TO: PP-3 3 #12 >> DISC-3122 POWER	
P-30-663	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3123 TO: PP-3 3 #12 >> DISC-3123 POWER	
P-30-664	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3124 TO: PP-3 3 #12 >> DISC-3124 POWER	
P-30-666	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3126 TO: PP-3 3 #12 >> DISC-3126 POWER	
P-30-667	30E17	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3127 TO: PP-3 3 #12 >> DISC-3127 POWER	
P-30-701	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3131 TO: FV-3131 3 #12 >> FV-3131 POWER	
P-30-702	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3132 TO: FV-3132 3 #12 >> FV-3132 POWER	
P-30-703	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3133 TO: FV-3133 3 #12 >> FV-3133 POWER	
P-30-704	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3134 TO: FV-3134 3 #12 >> FV-3134 POWER	
P-30-706	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3136 TO: FV-3136 3 #12 >> FV-3136 POWER	
P-30-707	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3137 TO: FV-3137 3 #12 >> FV-3137 POWER	
P-30-711	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3131 TO: PP-4 3 #12 >> DISC-3131 POWER	
P-30-712	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3132 TO: PP-4 3 #12 >> DISC-3132 POWER	
P-30-713	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3133 TO: PP-4 3 #12 >> DISC-3133 POWER	

February 2025

16990B-23

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-714	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3134 TO: PP-4 3 #12 >> DISC-3134 POWER	
P-30-716	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3136 TO: PP-4 3 #12 >> DISC-3136 POWER	
P-30-717	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3137 TO: PP-4 3 #12 >> DISC-3137 POWER	
P-30-751	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3141 TO: FV-3141 3 #12 >> FV-3141 POWER	
P-30-752	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3142 TO: FV-3142 3 #12 >> FV-3142 POWER	
P-30-753	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3143 TO: FV-3143 3 #12 >> FV-3143 POWER	
P-30-754	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3144 TO: FV-3144 3 #12 >> FV-3144 POWER	
P-30-756	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3146 TO: FV-3146 3 #12 >> FV-3146 POWER	
P-30-757	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3147 TO: FV-3147 3 #12 >> FV-3147 POWER	
P-30-761	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3141 TO: PP-4 3 #12 >> DISC-3141 POWER	
P-30-762	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3142 TO: PP-4 3 #12 >> DISC-3142 POWER	
P-30-763	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3143 TO: PP-4 3 #12 >> DISC-3143 POWER	
P-30-764	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3144 TO: PP-4 3 #12 >> DISC-3144 POWER	
P-30-766	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3146 TO: PP-4 3 #12 >> DISC-3146 POWER	
P-30-767	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3147 TO: PP-4 3 #12 >> DISC-3147 POWER	
P-30-801	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3151 TO: FV-3151 3 #12 >> FV-3151 POWER	
P-30-802	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3152 TO: FV-3152 3 #12 >> FV-3152 POWER	
P-30-803	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3153 TO: FV-3153 3 #12 >> FV-3153 POWER	
P-30-804	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3154 TO: FV-3154 3 #12 >> FV-3154 POWER	
P-30-806	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3156 TO: FV-3156 3 #12 >> FV-3156 POWER	
P-30-807	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3157 TO: FV-3157 3 #12 >> FV-3157 POWER	

February 2025

16990B-24

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-811	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3151 TO: PP-5 3 #12 >> DISC-3151 POWER	
P-30-812	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3152 TO: PP-5 3 #12 >> DISC-3152 POWER	
P-30-813	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3153 TO: PP-5 3 #12 >> DISC-3153 POWER	
P-30-814	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3154 TO: PP-5 3 #12 >> DISC-3154 POWER	
P-30-816	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3156 TO: PP-5 3 #12 >> DISC-3156 POWER	
P-30-817	30E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3157 TO: PP-5 3 #12 >> DISC-3157 POWER	
P-30-851	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3161 TO: FV-3161 3 #12 >> FV-3161 POWER	
P-30-852	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3162 TO: FV-3162 3 #12 >> FV-3162 POWER	
P-30-853	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3163 TO: FV-3163 3 #12 >> FV-3163 POWER	
P-30-854	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3164 TO: FV-3164 3 #12 >> FV-3164 POWER	
P-30-856	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3166 TO: FV-3166 3 #12 >> FV-3166 POWER	
P-30-857	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3167 TO: FV-3167 3 #12 >> FV-3167 POWER	
P-30-861	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3161 TO: PP-5 3 #12 >> DISC-3161 POWER	
P-30-862	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3162 TO: PP-5 3 #12 >> DISC-3162 POWER	
P-30-863	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3163 TO: PP-5 3 #12 >> DISC-3163 POWER	
P-30-864	30E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3164 TO: PP-5 3 #12 >> DISC-3164 POWER	
P-30-866	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3166 TO: PP-5 3 #12 >> DISC-3166 POWER	
P-30-867	30E16	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-3167 TO: PP-5 3 #12 >> DISC-3167 POWER	
P-30-901	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-3911 TO: MCC-A 3 #12 >> PMP-3911 POWER	
P-30-902	30E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-3921 TO: MCC-A 3 #12 >> PMP-3921 POWER	
P-30-904	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4051 TO: FV-4051 3 #12 >> FV-4051 POWER	

February 2025

16990B-25

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-30-905	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4061 TO: FV-4061 3 #12 >> FV-4061 POWER	
P-30-906	30E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4411 TO: FV-4411 2 #12 >> FV-4411 POWER	
P-30-914	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4051 TO: PP-CL 3 #12 >> DISC-4051 POWER	
P-30-915	30E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4061 TO: PP-CL 3 #12 >> DISC-4061 POWER	
P-30-916	30E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4411 TO: MCC-A 2 #12 >> DISC-4411 POWER	
S-30-102	30E06	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3011 TO: FIT-3011 1 MFR >> FE-3011 SIGNAL	
S-30-103	30E14	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3011 TO: LIT-3011 1 MFR >> LE-3011 SIGNAL	
S-30-104	30E14	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3011 TO: RTU-NFL1 1 2/CS-#16 >> LIT-3011 SIGNAL	
S-30-105	30E14	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3011 TO: RTU-NFL1 2 2/CS-#16 >> FV-3011 SIGNAL	
S-30-106	30E06	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3011 TO: RTU-NFL1 1 2/CS-#16 >> PIT-3011 SIGNAL	
S-30-107	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3012 TO: RTU-NFL1 2 2/CS-#16 >> FV-3012 SIGNAL	
S-30-108	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3013 TO: RTU-NFL1 2 2/CS-#16 >> FV-3013 SIGNAL	
S-30-110	30E14	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3011 TO: AIT-3011 1 MFR >> AE-3011 SIGNAL	
S-30-111	30E14	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: AIT-3011 TO: RTU-NFL1 1 2/CS-#16 >> AIT-3011 SIGNAL	
S-30-112		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3010 TO: AIT-3010 1 MFR >> AE-3010 SIGNAL	
S-30-113		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3019 TO: AIT-3019 1 MFR >> AE-3019 SIGNAL	
S-30-152	30E06	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3021 TO: FIT-3021 1 MFR >> FE-3021 SIGNAL	
S-30-153	30E18	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3021 TO: LIT-3021 1 MFR >> LE-3021 SIGNAL	
S-30-154	30E18	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3021 TO: RTU-SFL2 1 2/CS-#16 >> LIT-3021 SIGNAL	
S-30-155	30E18	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3021 TO: RTU-SFL2 2 2/CS-#16 >> FV-3021 SIGNAL	
S-30-156	30E06	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3021 TO: RTU-SFL2 1 2/CS-#16 >> PIT-3021 SIGNAL	

February 2025

16990B-26

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-157	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3022 TO: RTU-SFL2 2 2/CS-#16 >> FV-3022 SIGNAL	
S-30-158	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3023 TO: RTU-SFL2 2 2/CS-#16 >> FV-3023 SIGNAL	
S-30-160	30E18	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3021 TO: AIT-3021 1 MFR >> AE-3021 SIGNAL	
S-30-161	30E18	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3021 TO: RTU-SFL2 2 2/CS-#16 >> AIT-3021 SIGNAL	
S-30-162		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3020 TO: AIT-3020 1 MFR >> AE-3020 SIGNAL	
S-30-163		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3029 TO: AIT-3029 1 MFR >> AE-3029 SIGNAL	
S-30-202	30E06	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3031 TO: FIT-3031 1 MFR >> FE-3031 SIGNAL	
S-30-203	30E14	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3031 TO: LIT-3031 1 MFR >> LE-3031 SIGNAL	
S-30-204	30E14	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3031 TO: RTU-NFL3 1 2/CS-#16 >> LIT-3031 SIGNAL	
S-30-205	30E14	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3031 TO: RTU-NFL3 2 2/CS-#16 >> FV-3031 SIGNAL	
S-30-206	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: PIT-3031 TO: RTU-NFL3 2 2/CS-#16 >> PIT-3031 SIGNAL	
S-30-207	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3032 TO: RTU-NFL3 2 2/CS-#16 >> FV-3032 SIGNAL	
S-30-208	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3033 TO: RTU-NFL3 2 2/CS-#16 >> FV-3033 SIGNAL	
S-30-210	30E14	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3031 TO: AIT-3031 1 MFR >> AE-3031 SIGNAL	
S-30-211	30E14	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: AIT-3031 TO: RTU-NFL3 1 2/CS-#16 >> AIT-3031 SIGNAL	
S-30-212		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3030 TO: AIT-3030 1 MFR >> AE-3030 SIGNAL	
S-30-213		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3039 TO: AIT-3039 1 MFR >> AE-3039 SIGNAL	
S-30-252	30E06	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3041 TO: FIT-3041 1 MFR >> FE-3041 SIGNAL	
S-30-253	30E18	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3041 TO: LIT-3041 1 MFR >> LE-3041 SIGNAL	
S-30-254	30E18	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3041 TO: RTU-SFL4 1 2/CS-#16 >> LIT-3041 SIGNAL	
S-30-255	30E18	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3041 TO: RTU-SFL4 2 2/CS-#16 >> FV-3041 SIGNAL	

February 2025

16990B-27

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-256	30E06	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3041 TO: RTU-SFL4 1 2/CS-#16 >> PIT-3041 SIGNAL	
S-30-257	30E07	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: FV-3042 TO: RTU-SFL4 1 2/CS-#16 >> FV-3042 SIGNAL	
S-30-258	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3043 TO: RTU-SFL4 2 2/CS-#16 >> FV-3043 SIGNAL	
S-30-260	30E18	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3041 TO: AIT-3041 1 MFR >> AE-3041 SIGNAL	
S-30-261	30E18	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: AIT-3041 TO: RTU-SFL4 1 2/CS-#16 >> AIT-3041 SIGNAL	
S-30-262		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3040 TO: AIT-3040 1 MFR >> AE-3040 SIGNAL	
S-30-263		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3049 TO: AIT-3049 1 MFR >> AE-3049 SIGNAL	
S-30-302	30E06	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3051 TO: FIT-3051 1 MFR >> FE-3051 SIGNAL	
S-30-303	30E14	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3051 TO: LIT-3051 1 MFR >> LE-3051 SIGNAL	
S-30-304	30E14	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3051 TO: RTU-NFL5 1 2/CS-#16 >> LIT-3051 SIGNAL	
S-30-305	30E14	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3051 TO: RTU-NFL5 2 2/CS-#16 >> FV-3051 SIGNAL	
S-30-306	30E06	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3051 TO: RTU-NFL5 1 2/CS-#16 >> PIT-3051 SIGNAL	
S-30-307	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3052 TO: RTU-NFL5 2 2/CS-#16 >> FV-3052 SIGNAL	
S-30-308	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3053 TO: RTU-NFL5 2 2/CS-#16 >> FV-3053 SIGNAL	
S-30-310	30E14	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3051 TO: AIT-3051 1 MFR >> AE-3051 SIGNAL	
S-30-311	30E14	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: AIT-3051 TO: RTU-NFL5 1 2/CS-#16 >> AIT-3051 SIGNAL	
S-30-312		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3050 TO: AIT-3050 1 MFR >> AE-3050 SIGNAL	
S-30-313		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3059 TO: AIT-3059 1 MFR >> AE-3059 SIGNAL	
S-30-352	30E06	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3061 TO: FIT-3061 1 MFR >> FE-3061 SIGNAL	
S-30-353	30E18	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3061 TO: LIT-3061 1 MFR >> LE-3061 SIGNAL	
S-30-354	30E18	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3061 TO: RTU-SFL6 1 2/CS-#16 >> LIT-3061 SIGNAL	

February 2025

16990B-28

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-355	30E18	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3061 TO: RTU-SFL6 2 2/CS-#16 >> FV-3061 SIGNAL	
S-30-356	30E06	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3061 TO: RTU-SFL6 1 2/CS-#16 >> PIT-3061 SIGNAL	
S-30-357	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3062 TO: RTU-SFL6 2 2/CS-#16 >> FV-3062 SIGNAL	
S-30-358	30E06	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3063 TO: RTU-SFL6 2 2/CS-#16 >> FV-3063 SIGNAL	
S-30-360	30E18	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3061 TO: AIT-3061 1 MFR >> AE-3061 SIGNAL	
S-30-361	30E18	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3061 TO: RTU-SFL6 2 2/CS-#16 >> AIT-3061 SIGNAL	
S-30-362		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3060 TO: AIT-3060 1 MFR >> AE-3060 SIGNAL	
S-30-363		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3069 TO: AIT-3069 1 MFR >> AE-3069 SIGNAL	
S-30-402	30E13	0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3071 TO: AIT-3071 2 MFR >> AE-3071 SIGNAL	
S-30-403	30E05 30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3071 TO: RTU-NFL7 2 2/CS-#16 >> AIT-3071 SIGNAL	
S-30-404	30E05	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3071 TO: FIT-3071 1 MFR >> FE-3071 SIGNAL	
S-30-405	30E13	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3071 TO: LIT-3071 1 MFR >> LE-3071 SIGNAL	
S-30-406	30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: LIT-3071 TO: RTU-NFL7 2 2/CS-#16 >> LIT-3071 SIGNAL	
S-30-407	30E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3071 TO: RTU-NFL7 1 2/CS-#16 >> PIT-3071 SIGNAL	
S-30-408	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3072 TO: RTU-NFL7 2 2/CS-#16 >> FV-3072 SIGNAL	
S-30-409	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3073 TO: RTU-NFL7 2 2/CS-#16 >> FV-3073 SIGNAL	
S-30-410	30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3077 TO: RTU-NFL7 2 2/CS-#16 >> FV-3077 SIGNAL	
S-30-412		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3070 TO: AIT-3070 2 MFR >> AE-3070 SIGNAL	
S-30-413		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3079 TO: AIT-3079 2 MFR >> AE-3079 SIGNAL	
S-30-452	30E17	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3081 TO: AIT-3081 1 MFR >> AE-3081 SIGNAL	
S-30-453	30E05 30E17	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3081 TO: RTU-SFL8 2 2/CS-#16 >> AIT-3081 SIGNAL	

February 2025

16990B-29

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-454	30E05	0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: FE-3081 TO: FIT-3081 2 MFR >> FE-3081 SIGNAL	
S-30-455	30E17	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3081 TO: LIT-3081 1 MFR >> LE-3081 SIGNAL	
S-30-456	30E17	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3081 TO: RTU-SFL8 1 2/CS-#16 >> LIT-3081 SIGNAL	
S-30-457	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: PIT-3081 TO: RTU-SFL8 2 2/CS-#16 >> PIT-3081 SIGNAL	
S-30-458	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3082 TO: RTU-SFL8 2 2/CS-#16 >> FV-3082 SIGNAL	
S-30-459	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3083 TO: RTU-SFL8 2 2/CS-#16 >> FV-3083 SIGNAL	
S-30-460	30E17	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3087 TO: RTU-SFL8 2 2/CS-#16 >> FV-3087 SIGNAL	
S-30-462		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3080 TO: AIT-3080 1 MFR >> AE-3080 SIGNAL	
S-30-463		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3089 TO: AIT-3089 1 MFR >> AE-3089 SIGNAL	
S-30-502	30E13	0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3091 TO: AIT-3091 2 MFR >> AE-3091 SIGNAL	
S-30-503	30E05 30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3091 TO: RTU-NFL9 2 2/CS-#16 >> AIT-3091 SIGNAL	
S-30-504	30E05	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3091 TO: FIT-3091 1 MFR >> FE-3091 SIGNAL	
S-30-505	30E13	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3091 TO: LIT-3091 1 MFR >> LE-3091 SIGNAL	
S-30-506	30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: LIT-3091 TO: RTU-NFL9 2 2/CS-#16 >> LIT-3091 SIGNAL	
S-30-507	30E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3091 TO: RTU-NFL9 1 2/CS-#16 >> PIT-3091 SIGNAL	
S-30-508	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3092 TO: RTU-NFL9 2 2/CS-#16 >> FV-3092 SIGNAL	
S-30-509	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3093 TO: RTU-NFL9 2 2/CS-#16 >> FV-3093 SIGNAL	
S-30-510	30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3097 TO: RTU-NFL9 2 2/CS-#16 >> FV-3097 SIGNAL	
S-30-512		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3090 TO: AIT-3090 2 MFR >> AE-3090 SIGNAL	
S-30-513		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3099 TO: AIT-3099 2 MFR >> AE-3099 SIGNAL	
S-30-552	30E17	0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3101 TO: AIT-3101 2 MFR >> AE-3101 SIGNAL	

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-553	30E05 30E17	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3101 TO: RTU-SFL10 2 2/CS-#16 >> AIT-3101 SIGNAL	
S-30-554	30E05	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3101 TO: FIT-3101 1 MFR >> FE-3101 SIGNAL	
S-30-555	30E17	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3101 TO: LIT-3101 1 MFR >> LE-3101 SIGNAL	
S-30-556	30E17	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3101 TO: RTU-SFL10 1 2/CS-#16 >> LIT-3101 SIGNAL	
S-30-557	30E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3101 TO: RTU-SFL10 1 2/CS-#16 >> PIT-3101 SIGNAL	
S-30-558	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3102 TO: RTU-SFL10 2 2/CS-#16 >> FV-3102 SIGNAL	
S-30-559	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3103 TO: RTU-SFL10 2 2/CS-#16 >> FV-3103 SIGNAL	
S-30-560	30E17	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3107 TO: RTU-SFL10 2 2/CS-#16 >> FV-3107 SIGNAL	
S-30-562		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3100 TO: AIT-3100 2 MFR >> AE-3100	
S-30-563		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3109 TO: AIT-3109 2 MFR >> AE-3109	
S-30-602	30E13	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3111 TO: AIT-3111 1 MFR >> AE-3111 SIGNAL	
S-30-603	30E05 30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3111 TO: RTU-NFL11 2 2/CS-#16 >> AIT-3111 SIGNAL	
S-30-604	30E05	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3111 TO: FIT-3111 1 MFR >> FE-3111 SIGNAL	
S-30-605	30E13	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3111 TO: LIT-3111 1 MFR >> LE-3111 SIGNAL	
S-30-606	30E13	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3111 TO: RTU-NFL11 1 2/CS-#16 >> LIT-3111 SIGNAL	
S-30-607	30E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3111 TO: RTU-NFL11 1 2/CS-#16 >> PIT-3111 SIGNAL	
S-30-608	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3112 TO: RTU-NFL11 2 2/CS-#16 >> FV-3112 SIGNAL	
S-30-609	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3113 TO: RTU-NFL11 2 2/CS-#16 >> FV-3113 SIGNAL	
S-30-610	30E13	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3117 TO: RTU-NFL11 2 2/CS-#16 >> FV-3117 SIGNAL	
S-30-612		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3110 TO: AIT-3110 1 MFR >> AE-3110 SIGNAL	
S-30-613		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3119 TO: AIT-3119 1 MFR >> AE-3119 SIGNAL	

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-652	30E17	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3121 TO: AIT-3121 1 MFR >> AE-3121 SIGNAL	
S-30-653	30E05 30E17	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3121 TO: RTU-SFL12 2 2/CS-#16 >> AIT-3121 SIGNAL	
S-30-654	30E05	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3121 TO: FIT-3121 1 MFR >> FE-3121 SIGNAL	
S-30-655	30E17	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3121 TO: LIT-3121 1 MFR >> LE-3121 SIGNAL	
S-30-656	30E17	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3121 TO: RTU-SFL12 1 2/CS-#16 >> LIT-3121 SIGNAL	
S-30-657	30E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3121 TO: RTU-SFL12 1 2/CS-#16 >> PIT-3121 SIGNAL	
S-30-658	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3122 TO: RTU-SFL12 2 2/CS-#16 >> FV-3122 SIGNAL	
S-30-659	30E05	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3123 TO: RTU-SFL12 2 2/CS-#16 >> FV-3123 SIGNAL	
S-30-660	30E17	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3127 TO: RTU-SFL12 2 2/CS-#16 >> FV-3127 SIGNAL	
S-30-662		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3120 TO: AIT-3120 1 MFR >> AE-3120 SIGNAL	
S-30-663		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3129 TO: AIT-3129 1 MFR >> AE-3129 SIGNAL	
S-30-702	30E12	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3131 TO: AIT-3131 1 MFR >> AE-3131 SIGNAL	
S-30-703	30E04 30E12	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3131 TO: RTU-NFL13 2 2/CS-#16 >> AIT-3131 SIGNAL	
S-30-704	30E04	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3131 TO: FIT-3131 1 MFR >> FE-3131 SIGNAL	
S-30-705	30E12	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3131 TO: LIT-3131 1 MFR >> LE-3131 SIGNAL	
S-30-706	30E12	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3131 TO: RTU-NFL13 1 2/CS-#16 >> LIT-3131 SIGNAL	
S-30-707	30E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3131 TO: RTU-NFL13 1 2/CS-#16 >> PIT-3131 SIGNAL	
S-30-708	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3132 TO: RTU-NFL13 2 2/CS-#16 >> FV-3132 SIGNAL	
S-30-709	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3133 TO: RTU-NFL13 2 2/CS-#16 >> FV-3133 SIGNAL	
S-30-710	30E12	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3137 TO: RTU-NFL13 2 2/CS-#16 >> FV-3137 SIGNAL	
S-30-712		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3130 TO: AIT-3130 1 MFR >> AE-3130 SIGNAL	

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-713		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3139 TO: AIT-3139 1 MFR >> AE-3139 SIGNAL	
S-30-752	30E16	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3141 TO: AIT-3141 1 MFR >> AE-3141 SIGNAL	
S-30-753	30E04 30E16	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3141 TO: RTU-SFL14 2 2/CS-#16 >> AIT-3141 SIGNAL	
S-30-754	30E04	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3141 TO: FIT-3141 1 MFR >> FE-3141 SIGNAL	
S-30-755	30E16	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3141 TO: LIT-3141 1 MFR >> LE-3141 SIGNAL	
S-30-756	30E16	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3141 TO: RTU-SFL14 1 2/CS-#16 >> LIT-3141 SIGNAL	
S-30-757	30E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3141 TO: RTU-SFL14 1 2/CS-#16 >> PIT-3141 SIGNAL	
S-30-758	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3142 TO: RTU-SFL14 2 2/CS-#16 >> FV-3142 SIGNAL	
S-30-759	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3143 TO: RTU-SFL14 2 2/CS-#16 >> FV-3143 SIGNAL	
S-30-760	30E16	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3147 TO: RTU-SFL14 2 2/CS-#16 >> FV-3147 SIGNAL	
S-30-762		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3140 TO: AIT-3140 1 MFR >> AE-3140 SIGNAL	
S-30-763		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3149 TO: AIT-3149 1 MFR >> AE-3149 SIGNAL	
S-30-802	30E12	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3151 TO: AIT-3151 1 MFR >> AE-3151 SIGNAL	
S-30-803	30E04 30E12	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3151 TO: RTU-NFL15 2 2/CS-#16 >> AIT-3151 SIGNAL	
S-30-804	30E04	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3151 TO: FIT-3151 1 MFR >> FE-3151 SIGNAL	
S-30-805	30E12	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3151 TO: LIT-3151 1 MFR >> LE-3151 SIGNAL	
S-30-806	30E12	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3151 TO: RTU-NFL15 1 2/CS-#16 >> LIT-3151 SIGNAL	
S-30-807	30E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3151 TO: RTU-NFL15 1 2/CS-#16 >> PIT-3151 SIGNAL	
S-30-808	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3152 TO: RTU-NFL15 2 2/CS-#16 >> FV-3152 SIGNAL	
S-30-809	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3153 TO: RTU-NFL15 2 2/CS-#16 >> FV-3153 SIGNAL	
S-30-810	30E12	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3157 TO: RTU-NFL15 2 2/CS-#16 >> FV-3157 SIGNAL	

February 2025

16990B-33

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA

FILTER AND CHEMICAL FEED UPGRADES

FILTERS

ENGINEER

AJB

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-30-812		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3150 TO: AIT-3150 1 MFR >> AE-3150 SIGNAL	
S-30-813		0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AE-3159 TO: AIT-3159 1 MFR >> AE-3159 SIGNAL	
S-30-852	30E16	0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3161 TO: AIT-3161 2 MFR >> AE-3161 SIGNAL	
S-30-853	30E04 30E16	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: AIT-3161 TO: RTU-SFL16 2 2/CS-#16 >> AIT-3161 SIGNAL	
S-30-854	30E04	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-3161 TO: FIT-3161 1 MFR >> FE-3161 SIGNAL	
S-30-855	30E16	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3161 TO: LIT-3161 1 MFR >> LE-3161 SIGNAL	
S-30-856	30E16	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3161 TO: RTU-SFL16 1 2/CS-#16 >> LIT-3161 SIGNAL	
S-30-857	30E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PIT-3161 TO: RTU-SFL16 1 2/CS-#16 >> PIT-3161 SIGNAL	
S-30-858	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3162 TO: RTU-SFL16 2 2/CS-#16 >> FV-3162 SIGNAL	
S-30-859	30E04	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3163 TO: RTU-SFL16 2 2/CS-#16 >> FV-3163 SIGNAL	
S-30-860	30E16	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-3167 TO: RTU-SFL16 2 2/CS-#16 >> FV-3167 SIGNAL	
S-30-862		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3160 TO: AIT-3160 2 MFR >> AE-3160 SIGNAL	
S-30-863		0.75"	2	MFR	CABLE	1	#14	XHHW-2	FR: AE-3169 TO: AIT-3169 2 MFR >> AE-3169 SIGNAL	
S-30-903	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-4051 TO: RTU-ELEC2C 2 2/CS-#16 >> FV-4051 SIGNAL	
S-30-904	30E07	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-4061 TO: RTU-ELEC2C 2 2/CS-#16 >> FV-4061 SIGNAL	
S-30-905	30E04	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-4135 TO: FIT-4135 1 MFR >> FE-4135 SIGNAL	
S-30-906	30E07	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-4136 TO: FIT-4136 1 MFR >> FE-4136 SIGNAL	
S-30-907	30E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: FV-4411 TO: RTU-FBW 2 2/CS-#16 >> FV-4411 SIGNAL	
S-30-908	30E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: FE-4411 TO: FIT-4411 1 MFR >> FE-4411 SIGNAL	
S-30-914	30E06	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: FIT-4136 TO: RTU-FBW 1 2/CS-#16 >> FIT-4136 SIGNAL	
S-30-930	30E13	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3001 TO: LIT-3001 1 MFR >> LE-3001 SIGNAL	

February 2025

16990B-34

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990B (FS)

CONDUIT SCHEDULE AREA										ENGINEER	AJB
FILTER AND CHEMICAL FEED UPGRADES										REVISION	0
FILTERS										DATE	2/11/25
CONDUIT			CONDUCTORS			GROUND					
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS	
S-30-931	30E13	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3001 TO: RTU-FBW 1 2/CS-#16 >> LIT-3001 SIGNAL		
S-30-932	30E17	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-3002 TO: LIT-3002 1 MFR >> LE-3002 SIGNAL		
S-30-933	30E17	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-3002 TO: RTU-FBW 1 2/CS-#16 >> LIT-3002 SIGNAL		

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990C

CONDUIT SCHEDULE AREA 41

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. */C#Y: Multiconductor cable (* indicates number of conductors, Y indicates conductor size and insulation).
 - 4. MFR: Manufacturer or vendor furnished cable.
 - 5. PULL: Pull Rope.
 - 6. VFD: Shielded VFD cable with integral ground.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 41

FILTER AND CHEMICAL FEED UPGRADES

BACKWASH TANK AND VAULT

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-41-115	02E01 41E01	2"	1	PULL	ROPE				FR: STUB-UP AT BACKWASH TANK TO: PB-15 1 PULL >> SPARE	
C-41-211	41E01	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-4112 TO: J-BOX 10 #14 >> FV-4112 CONTROL	C-41-226
C-41-221	41E01	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-4122 TO: J-BOX 10 #14 >> FV-4122 CONTROL	C-41-226
C-41-225	41E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSHH-4123 TO: J-BOX 2 #14 >> LSHH-4123 CONTROL	C-41-226
C-41-226	02E01 41E01	2"	22	#14	XHHW-2	1	#14	XHHW-2	FR: J-BOX TO: PB-15 10 #14 >> FV-4112 CONTROL 10 #14 >> FV-4122 CONTROL 2 #14 >> LSHH-4123 CONTROL	C-41-227 C-41-211 C-41-221 C-41-225
C-41-227	02E01	2"	22	#14	XHHW-2	1	#14	XHHW-2	FR: PB-15 TO: PB-14 10 #14 >> FV-4112 CONTROL 10 #14 >> FV-4122 CONTROL 2 #14 >> LSHH-4123 CONTROL	C-41-228 C-41-226 C-41-226 C-41-226
C-41-228	02E01	2"	22	#14	XHHW-2	1	#14	XHHW-2	FR: PB-14 TO: RTU-CS 10 #14 >> FV-4112 CONTROL 10 #14 >> FV-4122 CONTROL 2 #14 >> LSHH-4123 CONTROL	C-41-227 C-41-227 C-41-227
C-41-412	30E09	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VFD-4101 TO: RTU-ELEC1 8 #14 >> VFD-4101 CONTROL (120VAC) 4 #14 >> SPARE	
C-41-415	30E09	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: VFD-4101 TO: RTU-ELEC1 5 #14 >> VFD-4101 CONTROL (24VDC) 2 #14 >> SPARE	
C-41-422	30E09	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VFD-4102 TO: RTU-ELEC1 8 #14 >> VFD-4102 CONTROL (120VAC) 4 #14 >> SPARE	
C-41-425	30E09	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: VFD-4102 TO: RTU-ELEC1 5 #14 >> VFD-4102 CONTROL (24VDC) 2 #14 >> SPARE	
L-41-224	41E01	1"	2	#4	XHHW-2	1	#4	XHHW-2	FR: PMP-4125 TO: J-BOX 2 #4 >> PMP-4125 POWER	L-41-225
L-41-225	02E01 41E01	2"	2 2 4	#4 #6 #12	XHHW-2 XHHW-2 XHHW-2	1	#4	XHHW-2	FR: J-BOX TO: PB-15 2 #4 >> PMP-4125 POWER 2 #12 >> FAN-4151 POWER 2 #12 >> BACKWASH VALVE VAULT LIGHTING 2 #6 >> BACKWASH VALVE VAULT RECEPTACLE	L-41-226 L-41-224
L-41-226	02E01	2"	2 2 4	#4 #6 #12	XHHW-2 XHHW-2 XHHW-2	1	#4	XHHW-2	FR: PB-15 TO: PB-14 2 #4 >> PMP-4125 POWER 2 #12 >> FAN-4151 POWER 2 #12 >> BACKWASH VALVE VAULT LIGHTING 2 #6 >> BACKWASH VALVE VAULT RECEPTACLE	L-41-227 L-41-225 L-41-225 L-41-225 L-41-225
L-41-227	02E01	2"	2 2 4	#4 #6 #12	XHHW-2 XHHW-2 XHHW-2	1	#4	XHHW-2	FR: PB-14 TO: PNL-CS 2 #4 >> PMP-4125 POWER 2 #12 >> FAN-4151 POWER 2 #12 >> BACKWASH VALVE VAULT LIGHTING 2 #6 >> BACKWASH VALVE VAULT RECEPTACLE	L-41-226 L-41-226 L-41-226 L-41-226
P-41-211	41E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: FV-4112 TO: DISC-4112 3 #12 >> FV-4112 POWER	P-41-212

February 2025

16990C-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990C (FS)

CONDUIT SCHEDULE AREA 41

FILTER AND CHEMICAL FEED UPGRADES

BACKWASH TANK AND VAULT

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
P-41-212	41E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4112 TO: CONDUIT TEE 3 #12 >> FV-4112 POWER	P-41-223 P-41-211
P-41-221	41E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: FV-4122 TO: DISC-4122 3 #12 >> FV-4122 POWER	P-41-222
P-41-222	41E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-4112 TO: CONDUIT TEE 3 #12 >> FV-4122 POWER	P-41-223 P-41-221
P-41-223	02E01 41E01	2"	6	#12	XHHW-2	1	#12	XHHW-2	FR: CONDUIT TEE TO: PB-15 3 #12 >> FV-4112 POWER 3 #12 >> FV-4122 POWER	P-41-224 P-41-212 P-41-222
P-41-224	02E01	2"	6	#12	XHHW-2	1	#12	XHHW-2	FR: PB-15 TO: PB-14 3 #12 >> FV-4112 POWER 3 #12 >> FV-4122 POWER	P-41-225 P-41-223 P-41-223
P-41-225	02E01	2"	6	#12	XHHW-2	1	#12	XHHW-2	FR: PB-14 TO: PP-CS 3 #12 >> FV-4112 POWER 3 #12 >> FV-4122 POWER	P-41-224 P-41-224
P-41-411	30E04	3.5"	1 2 2	3/C-#4/0:VFD #12 #14	VFD XHHW-2 XHHW-2			INTEGRAL	FR: PMP-4101 TO: VFD-4101 1 3/C-#4/0:VFD >> PMP-4101 POWER 2 #12 >> MWH-4101 POWER 2 #14 >> TSH-4101 CONTROL	
P-41-412	30E09	2.5"	3	350	XHHW-2	1	#4	XHHW-2	FR: VFD-4101 TO: MCC-A 3 350 >> VFD-4101 POWER	
P-41-421	30E04	3.5"	1 2 2	3/C-#4/0:VFD #12 #14	VFD XHHW-2 XHHW-2			INTEGRAL	FR: PMP-4102 TO: VFD-4102 1 3/C-#4/0:VFD >> PMP-4102 POWER 2 #12 >> MWH-4102 POWER 2 #14 >> TSH-4102 CONTROL	
P-41-422	30E09	2.5"	3	350	XHHW-2	1	#4	XHHW-2	FR: VFD-4102 TO: MCC-A1 3 350 >> VFD-4102 POWER	
S-41-121	41E01	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-4122 TO: LIT-4122 1 MFR >> LE-4122 SIGNAL	
S-41-122	02E01 41E01	2"	2 1	#10 2/CS-#16	XHHW-2	1	#10	XHHW-2	FR: LIT-4122 TO: PB-14 1 2/CS-#16 >> LIT-4122 SIGNAL 2 #10 >> LIT-4122 POWER (24VDC)	S-41-123
S-41-123	02E01	2"	2 1	#10 2/CS-#16	XHHW-2	1	#10	XHHW-2	FR: PB-14 TO: RTU-CS 1 2/CS-#16 >> LIT-4122 SIGNAL 2 #10 >> LIT-4122 POWER (24VDC)	S-41-122 S-41-122
S-41-412	30E09	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VFD-4101 TO: RTU-ELEC1 2 2/CS-#16 >> VFD-4101 SIGNAL	
S-41-422	30E09	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VFD-4102 TO: RTU-ELEC1 2 2/CS-#16 >> VFD-4102 SIGNAL	
X-41-311	02E01	2"	1	PULL	ROPE				FR: BACKWASH TANK VAULT TO: PB-15 1 PULL >> SPARE	X-41-312
X-41-312	02E01	2"	1	PULL	ROPE				FR: PB-15 TO: PB-14 1 PULL >> SPARE	X-41-313 X-41-311
X-41-313	02E01	2"	1	PULL	ROPE				FR: PB-14 TO: STUB-UP IN CAUSTIC SODA ELEC ROOM 1 PULL >> SPARE	X-41-312

February 2025

16990C-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990C (FS)

CONDUIT SCHEDULE AREA 41									ENGINEER	SKB
FILTER AND CHEMICAL FEED UPGRADES									REVISION	
BACKWASH TANK AND VAULT									DATE	2/11/25
CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
X-41-351	02E01 41E01	2"	1	PULL	ROPE				FR: STUB-UP AT BACKWASH TANK TO: PB-15 1 PULL >> SPARE	
X-41-361	02E01 41E01	2"	1	PULL	ROPE				FR: STUB-UP AT BACKWASH TANK TO: PB-14 1 PULL >> SPARE	

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990D

CONDUIT SCHEDULE AREA 55

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. PULL: Pull Rope.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 55

FILTER AND CHEMICAL FEED UPGRADES

CULINARY PUMP STATION

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-55-201	55E01	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: ATS-5501 TO: RTU-CPS 6 #14 >> ATS-5501 CONTROL	
C-55-202	02E02 55E01	2"	10	#14	XHHW-2	1	#14	XHHW-2	FR: GEN-5501 TO: RTU-CPS 10 #14 >> GEN-5501 CONTROL	
C-55-211	02E02 55E01	2"	12	#14	XHHW-2	1	#14	XHHW-2	FR: ATS-5501 TO: GEN-5501 12 #14 >> ATS-5501 CONTROL	
L-55-202	02E02 55E01	2"	4	#8	XHHW-2	1	#10	XHHW-2	FR: GEN-5501 TO: PANEL CPS 4 #8 >> GEN-5501 POWER	
L-55-252	02E02 55E01	2"	2	#10	XHHW-2	1	#10	XHHW-2	FR: SWBD-CPS TO: PNL-CPS 2 #10 >> SWBD-CPS POWER	
P-55-101	02E02	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: GEN-5501 TO: SWBD-CPS 3 350 >> GEN-5501 POWER	
P-55-102	02E02	4"	3	350	XHHW-2	1	#1	XHHW-2	FR: GEN-5501 TO: SWBD-CPS 3 350 >> GEN-5501 POWER	
P-55-111	02E02 55E01	4"	3	#4/0	XHHW-2	1	#3	XHHW-2	FR: SWBD-CPS TO: ATS-5501 3 #4/0 >> SWBD-CPS POWER	
P-55-112	02E02 55E01	4"	3	#4/0	XHHW-2	1	#3	XHHW-2	FR: SWBD-CPS TO: ATS-5501 3 #4/0 >> SWBD-CPS POWER	
P-55-121	55E01	2"	3	#2/0	XHHW-2	1	#4	XHHW-2	FR: ATS-5501 TO: XFMR-CPS 3 #2/0 >> ATS-5501 POWER	
P-55-122	55E01	2"	3	#2/0	XHHW-2	1	#4	XHHW-2	FR: ATS-5501 TO: XFMR-CPS 3 #2/0 >> ATS-5501 POWER	
P-55-301	55E01	2"	3	#2/0	XHHW-2	1	#1	XHHW-2	FR: MCC-CPS TO: ATS-5501 3 #2/0 >> MCC-CPS POWER	
P-55-302	55E01	2"	3	#2/0	XHHW-2	1	#1	XHHW-2	FR: MCC-CPS TO: ATS-5501 3 #2/0 >> MCC-CPS POWER	
X-55-401	02E02 55E01	2"	1	PULL	ROPE				FR: GEN-5501 TO: STUB-UP AT CPS 1 PULL >> SPARE	
X-55-402	02E02 55E01	2"	1	PULL	ROPE				FR: GEN-5501 TO: STUB-UP AT CPS 1 PULL >> SPARE	
X-55-421	02E02	4"	1	PULL	ROPE				FR: GEN-5501 TO: SWBD-CPS 1 PULL >> SPARE	
X-55-422	02E02	2"	1	PULL	ROPE				FR: GEN-5501 TO: SWBD-CPS 1 PULL >> SPARE	
X-55-423	02E02	2"	1	PULL	ROPE				FR: GEN-5501 TO: SWBD-CPS 1 PULL >> SPARE	
X-55-425	02E02 55E01	4"	1	PULL	ROPE				FR: SWBD-CPS TO: STUB-UP AT CPS 1 PULL >> SPARE	

END OF CONDUIT SCHEDULE

END OF SECTION

February 2025

16990D-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990D (FS)

SECTION 16990E

CONDUIT SCHEDULE AREA 62 & 66

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. PULL: Pull Rope.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 62 & 66

FILTER AND CHEMICAL FEED UPGRADES

PRIMARY COAGULANT BUILDING & FLUORIDE BUILDING

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-62-201	71E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6201 TO: RTU-PEA 2 #14 >> RTU-PEA CONTROL	
C-62-211	62E01	0.75"	3	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6201 TO: J-BOX 3 #14 >> PISH-6201 CONTROL	C-62-225
C-62-221	62E01	0.75"	3	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6202 TO: J-BOX 3 #14 >> PISH-6202 CONTROL	C-62-225
C-62-225	01E03 62E01	1"	6	#14	XHHW-2	1	#14	XHHW-2	FR: J-BOX TO: MCC-CDS 3 #14 >> PISH-6201 CONTROL 3 #14 >> PISH-6202 CONTROL	C-62-211 C-62-221
C-62-251	77E01	1.5"	48	#14	XHHW-2	1	#14	XHHW-2	FR: MCC-CDS TO: RTU-CDS 24 #14 >> FVNR-6201 CONTROL 24 #14 >> FVNR-6202 CONTROL	
C-62-311	62E01	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6201 TO: J-BOX 6 #14 >> LCP-6201 CONTROL	C-62-325
C-62-321	62E01	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6202 TO: J-BOX 6 #14 >> LCP-6202 CONTROL	C-62-325
C-62-325	01E03 62E01	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: J-BOX TO: RTU-CDS 6 #14 >> LCP-6201 CONTROL 6 #14 >> LCP-6202 CONTROL	C-62-311 C-62-321
P-62-211	01E03 62E01	1"	5 2	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PMP-6201 TO: MCC-CDS 3 #12 >> PMP-6201 POWER 2 #12 >> MWH-6201 POWER 2 #14 >> TSH-6201 CONTROL	
P-62-221	01E03 62E01	1"	5 2	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PMP-6202 TO: MCC-CDS 3 #12 >> PMP-6202 POWER 2 #12 >> MWH-6202 POWER 2 #14 >> TSH-6202 CONTROL	
X-62-411	01E03	1"	1	PULL	ROPE				FR: PRIMARY COAGULANT BUILDING TO: RTU-CDS 1 PULL >> SPARE	
L-66-111	66E01	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: FIT-6691 TO: RTU-FL 2 #12 >> FIT-6691 POWER	
S-66-111	66E01	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: FIT-6691 TO: RTU-FL 1 2/CS-#16 >> FIT-6691 SIGNAL	

END OF CONDUIT SCHEDULE

END OF SECTION

February 2025

16990E-2

202001

SECTION 16990F

CONDUIT SCHEDULE AREA 63

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. */FO: Fiber optic (* indicates strand count).
 - 4. CAT6: Category 6 Ethernet cable.
 - 5. PULL: Pull Rope.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-63-001	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6301 TO: VCP-6301 10 #14 >> FV-6301 CONTROL	
C-63-002	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6302 TO: VCP-6301 10 #14 >> FV-6302 CONTROL	
C-63-003	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6303 TO: VCP-6303 10 #14 >> FV-6303 CONTROL	
C-63-004	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6304 TO: VCP-6303 10 #14 >> FV-6304 CONTROL	
C-63-005	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6305 TO: VCP-6305 10 #14 >> FV-6305 CONTROL	
C-63-006	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6306 TO: VCP-6305 10 #14 >> FV-6306 CONTROL	
C-63-007	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6307 TO: VCP-6307 10 #14 >> FV-6307 CONTROL	
C-63-008	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6308 TO: VCP-6307 10 #14 >> FV-6308 CONTROL	
C-63-009	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6309 TO: VCP-6309 10 #14 >> FV-6309 CONTROL	
C-63-010	63E03	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6310 TO: VCP-6309 10 #14 >> FV-6310 CONTROL	
C-63-011	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6311 TO: VCP-6311 10 #14 >> FV-6311 CONTROL	
C-63-012	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6312 TO: VCP-6311 10 #14 >> FV-6312 CONTROL	
C-63-013	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6313 TO: VCP-6314 10 #14 >> FV-6313 CONTROL	
C-63-014	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6314 TO: VCP-6314 10 #14 >> FV-6314 CONTROL	
C-63-015	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6315 TO: VCP-6316 10 #14 >> FV-6315 CONTROL	
C-63-016	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6316 TO: VCP-6316 10 #14 >> FV-6316 CONTROL	
C-63-017	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6317 TO: VCP-6318 10 #14 >> FV-6317 CONTROL	
C-63-018	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6318 TO: VCP-6318 10 #14 >> FV-6318 CONTROL	
C-63-019	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6319 TO: VCP-6320 10 #14 >> FV-6319 CONTROL	
C-63-020	63E04	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6320 TO: VCP-6320 10 #14 >> FV-6320 CONTROL	
C-63-022	63E03	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6301 TO: LCP-6361 8 #14 >> VCP-6301 CONTROL	

February 2025

16990F-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-63-024	63E03	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6303 TO: LCP-6361 8 #14 >> VCP-6303 CONTROL	
C-63-026	63E03	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6305 TO: LCP-6361 8 #14 >> VCP-6305 CONTROL	
C-63-028	63E03	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6307 TO: LCP-6361 8 #14 >> VCP-6307 CONTROL	
C-63-030	63E03	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6309 TO: LCP-6361 8 #14 >> VCP-6309 CONTROL	
C-63-032	63E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6311 TO: LCP-6361 8 #14 >> VCP-6311 CONTROL	
C-63-034	63E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6314 TO: LCP-6361 8 #14 >> VCP-6314 CONTROL	
C-63-036	63E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6316 TO: LCP-6361 8 #14 >> VCP-6316 CONTROL	
C-63-038	63E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6318 TO: LCP-6361 8 #14 >> VCP-6318 CONTROL	
C-63-040	63E04	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6320 TO: LCP-6361 8 #14 >> VCP-6320 CONTROL	
C-63-041	63E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6301 TO: RTU-CL 2 #14 >> FSH-6301 CONTROL	
C-63-042	63E07	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6302 TO: RTU-CL 2 #14 >> FSH-6302 CONTROL	
C-63-043	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6333 TO: RTU-CL 2 #14 >> FSH-6333 CONTROL	
C-63-044	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6331 TO: RTU-CL 2 #14 >> FSH-6331 CONTROL	
C-63-051	63E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6331 TO: RTU-CL 12 #14 >> VCP-6331 CONTROL	
C-63-052	63E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6332 TO: RTU-CL 12 #14 >> VCP-6332 CONTROL	
C-63-053	63E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6333 TO: RTU-CL 12 #14 >> VCP-6333 CONTROL	
C-63-054	63E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6334 TO: RTU-CL 12 #14 >> VCP-6334 CONTROL	
C-63-055	63E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6335 TO: RTU-CL 12 #14 >> VCP-6335 CONTROL	
C-63-056	63E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6336 TO: RTU-CL 12 #14 >> VCP-6336 CONTROL	
C-63-060	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISL-6350 TO: RTU-CL 2 #14 >> PISL-6350 CONTROL	
C-63-062	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISL-6352 TO: RTU-CL 2 #14 >> PISL-6352 CONTROL	

February 2025

16990F-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-63-063	63E09	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSHH-6319 TO: PNL-CL 2 #14 >> LSHH-6319 CONTROL	
C-63-071	63E08	0.75"	2 2	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: BLR-6391 TO: MCC-CL 2 #12 >> MWH-6391 CONTROL 2 #14 >> TSH-6391 CONTROL	
C-63-072	63E08	0.75"	2 2	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: BLR-6392 TO: MCC-CL 2 #12 >> MWH-6392 CONTROL 2 #14 >> TSH-6392 CONTROL	
C-63-073	63E08	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-6391 TO: RTU-CL 2 #14 >> FSL-6391 CONTROL POWER 2 #14 >> FSL-6391 CONTROL	
C-63-074	63E08	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-6392 TO: RTU-CL 2 #14 >> FSL-6392 CONTROL POWER 2 #14 >> FSL-6392 CONTROL	
C-63-075	63E08	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6391 TO: MCC-CL 6 #14 >> LCP-6391 CONTROL	
C-63-076	63E08	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6392 TO: MCC-CL 6 #14 >> LCP-6392 CONTROL	
C-63-081	63E12	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: HP-6351 TO: AHU-6351 6 #14 >> HP-6351 CONTROL	
C-63-082	63E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TSHL-6351 TO: AHU-6351 6 #14 >> TSHL-6351 CONTROL	
C-63-083	63E12	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: HP-6352 TO: AHU-6352 6 #14 >> HP-6352 CONTROL	
C-63-084	63E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TSHL-6352 TO: AHU-6352 6 #14 >> TSHL-6352 CONTROL	
C-63-085	63E05	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: PPU-6353 TO: RTU-CL 12 #14 >> PPU-6353 CONTROL	
C-63-086	63E07	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: TSHL-6354 TO: MAU-6354 6 #14 >> TSHL-6354 CONTROL	
C-63-087	63E12	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6354 TO: MAU-6354 4 #14 >> XS-6354 CONTROL	
C-63-088	63E12	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: MAU-6354 TO: RTU-CL 14 #14 >> MAU-6354 CONTROL	
C-63-089	63E10	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LVR-6355 TO: RTU-CL 7 #14 >> LVR-6355 (24VDC) CONTROL	
C-63-090	63E12	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6355 TO: MCC-CL 6 #14 >> XS-6355 CONTROL	
C-63-092	63E09	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LVR-6356 TO: RTU-CL 7 #14 >> LVR-6356 (24VDC) CONTROL	
C-63-093	63E12	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6356 TO: MCC-CL 6 #14 >> XS-6356 CONTROL	
C-63-095	63E02	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FVNR-6368 TO: RTU-CL 8 #14 >> LCP-6368 CONTROL	

February 2025

16990F-4

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-63-096	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TSH-6368 TO: FVNR-6368 2 #14 >> TSH-6368 CONTROL	
C-63-097	63E02	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: FVNR-6357 TO: RTU-CL 8 #14 >> LCP-6357 CONTROL	
C-63-098	63E11	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LVR-6357 TO: RTU-CL 7 #14 >> LVR-6357 (24VDC) CONTROL	
C-63-100	63E05	1.5"	28	#14	XHHW-2	1	#14	XHHW-2	FR: MCC-CL TO: RTU-CL 2 #14 >> CL-6301 SPD FAIL STATUS 7 #14 >> EF-6355 STARTER CONTROLS 7 #14 >> EF-6356 STARTER CONTROLS 6 #14 >> RVSS-6391 CONTROLS 6 #14 >> RVSS-6392 CONTROLS	
C-63-101	63E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6381 TO: LCP-6361 2 #14 >> ZSC-6381 CONTROL	
C-63-102	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6382 TO: LCP-6361 2 #14 >> ZSC-6382 CONTROL	
C-63-103	63E07	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6383 TO: LCP-6361 2 #14 >> ZSC-6383 CONTROL	
C-63-104	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6384 TO: LCP-6361 2 #14 >> ZSC-6384 CONTROL	
C-63-105	63E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6385 TO: LCP-6361 2 #14 >> ZSC-6385 CONTROL	
C-63-106	63E09	1"	15	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6381 TO: LCP-6361 15 #14 >> LCP-6381 CONTROL	
C-63-107	63E10	1"	15	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6382 TO: LCP-6361 15 #14 >> LCP-6382 CONTROL	
C-63-108	63E07	1"	15	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6383 TO: LCP-6361 15 #14 >> LCP-6383 CONTROL	
C-63-109	63E02	1"	15	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6384 TO: LCP-6361 15 #14 >> LCP-6384 CONTROL	
C-63-110	63E02	1"	15	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6385 TO: LCP-6361 15 #14 >> LCP-6385 CONTROL	
C-63-111	63E05	1.5"	4	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6361 TO: MCC-CL 2 #14 >> RVSS-6391 FAIL (24VDC) STATUS 2 #14 >> RVSS-6392 FAIL (24VDC) STATUS	
C-63-112	63E05	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6361 TO: MCC-CL 2 #14 >> EF-6355 START CONTROL 2 #14 >> EF-6356 START CONTROL 2 #14 >> EF-6357 START CONTROL 2 #14 >> SF-6358 START CONTROL 2 #14 >> RVSS-6391 START CONTROL 2 #14 >> RVSS-6392 START CONTROL	
C-63-113	63E05	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6361 TO: PANEL-MOUNTED BEACONS 6 #14 >> BEACON CONTROLS	
C-63-114	63E11	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XH3-6361 & XH5-6361 TO: LCP-6361 4 #14 >> CL2 STORAGE HORN & STROBE CONT	

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-63-115	63E11	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XH2-6361 & XH4-6361 TO: LCP-6361 4 #14 >> CL2 FEED HORN & STROBE CONTROLS	
C-63-116	63E09	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6386 TO: LCP-6361 2 #14 >> ZSC-6386 CONTROL	
C-63-117	63E10	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: ZSC-6387 TO: LCP-6361 2 #14 >> ZSC-6387 CONTROL	
C-63-611	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D102-03 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-63-621	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D102-02 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-63-631	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D105-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-63-641	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D104-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-63-651	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D103-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-63-661	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D101-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-63-671	63E16	1"	1	PULL	ROPE				FR: DOOR 63-D101-02 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
L-63-021	63E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6301 TO: PNL-UPS-CL 2 #12 >> VCP-6301 POWER	
L-63-023	63E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6303 TO: PNL-UPS-CL 2 #12 >> VCP-6303 POWER	
L-63-025	63E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6305 TO: PNL-UPS-CL 2 #12 >> VCP-6305 POWER	
L-63-027	63E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6307 TO: PNL-UPS-CL 2 #12 >> VCP-6307 POWER	
L-63-029	63E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6309 TO: PNL-UPS-CL 2 #12 >> VCP-6309 POWER	
L-63-031	63E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6311 TO: PNL-UPS-CL 2 #12 >> VCP-6311 POWER	
L-63-033	63E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6314 TO: PNL-UPS-CL 2 #12 >> VCP-6314 POWER	
L-63-035	63E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6316 TO: PNL-UPS-CL 2 #12 >> VCP-6316 POWER	
L-63-037	63E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6318 TO: PNL-UPS-CL 2 #12 >> VCP-6318 POWER	
L-63-039	63E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6320 TO: PNL-UPS-CL 2 #12 >> VCP-6320 POWER	
L-63-041	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: HTU-6331 TO: PNL-CL 2 #12 >> HTU-6331 POWER	

February 2025

16990F-6

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
L-63-042	63E02	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6332 TO: PNL-CL 2 #10 >> HTU-6332 POWER	
L-63-051	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6331 TO: RTU-CL 2 #12 >> VCP-6331 POWER	
L-63-052	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6332 TO: RTU-CL 2 #12 >> VCP-6332 POWER	
L-63-053	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6333 TO: RTU-CL 2 #12 >> VCP-6333 POWER	
L-63-054	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6334 TO: RTU-CL 2 #12 >> VCP-6334 POWER	
L-63-055	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6335 TO: RTU-CL 2 #12 >> VCP-6335 POWER	
L-63-056	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6336 TO: RTU-CL 2 #12 >> VCP-6336 POWER	
L-63-060	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PISL-6350 TO: RTU-CL 2 #12 >> PISL-6350 POWER	
L-63-062	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PISL-6352 TO: RTU-CL 2 #12 >> PISL-6352 POWER	
L-63-063	63E09	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-6319 TO: PNL-CL 2 #12 >> PMP-6319 POWER	
L-63-071	63E05	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: SECURITY PANEL TO: PNL-CL 2 #12 >> SECURITY PANEL (UTILITY) POWER	
L-63-072	63E05	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: SECURITY PANEL TO: PNL-UPS-CL 2 #12 >> SECURITY PANEL (UPS) POWER	
L-63-085	63E12	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HP-6351 TO: CONDUIT TEE 2 #10 >> HP-6351 POWER	L-63-087
L-63-086	63E12	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HP-6352 TO: CONDUIT TEE 2 #10 >> HP-6352 POWER	L-63-087
L-63-087	63E12	0.75"	4	#10	XHHW-2	1	#10	XHHW-2	FR: CONDUIT TEE TO: PNL-CL 2 #10 >> HP-6351 POWER 2 #10 >> HP-6352 POWER	L-63-085 L-63-086
L-63-088	63E10	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LVR-6355 TO: PNL-CL 2 #12 >> LVR-6355 POWER	
L-63-089	63E09	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LVR-6356 TO: PNL-CL 2 #12 >> LVR-6356 POWER	
L-63-090	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: SF-6368 TO: FVNR-6368 2 #12 >> SF-6368 POWER	
L-63-091	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: FVNR-6368 TO: PNL-CL 2 #12 >> FVNR-6368 POWER	
L-63-093	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: EF-6357 TO: FVNR-6357 2 #12 >> EF-6357 POWER	

February 2025

16990F-7

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
L-63-094	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: FVNR-6357 TO: PNL-CL 2 #12 >> DISC-6357 POWER	
L-63-096	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LVR-6357 TO: PNL-CL 2 #12 >> LVR-6357 POWER	
L-63-097	63E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: RTU-CL TO: PNL-CL 2 #10 >> RTU-CL (UTILITY) POWER	
L-63-098	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LOI-CL TO: RTU-CL 2 #12 >> LOI-CL (UPS) POWER	
L-63-099	63E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: LCP-6361 TO: PNL-UPS-CL 2 #10 >> LCP-6361 (UPS) POWER	
L-63-100	63E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: RTU-CL TO: PNL-UPS-CL 2 #10 >> RTU-CL (UPS) POWER	
L-63-101	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6358 TO: PNL-CL 2 #12 >> GUH-6358 POWER	
L-63-102	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6359 TO: PNL-CL 2 #12 >> GUH-6359 POWER	
L-63-103	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6360 TO: PNL-CL 2 #12 >> GUH-6360 POWER	
L-63-104	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6361 TO: PNL-CL 2 #12 >> GUH-6361 POWER	
L-63-105	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6362 TO: PNL-CL 2 #12 >> GUH-6362 POWER	
L-63-106	63E11	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6363 TO: PNL-CL 2 #12 >> GUH-6363 POWER	
L-63-107	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6364 TO: PNL-CL 2 #12 >> GUH-6364 POWER	
L-63-108	63E05	1"	3	#6	XHHW-2	1	#10	XHHW-2	FR: UPS-CL TO: UPS BYPASS DISC 3 #6 >> UPS-CL (BYPASS) POWER	
L-63-109	63E05	1"	3	#6	XHHW-2	1	#10	XHHW-2	FR: UPS BYPASS DISC TO: PNL-CL 3 #6 >> UPS BYPASS DISC POWER	
L-63-110	63E05	3"	4	250	XHHW-2	1	#2	XHHW-2	FR: PNL-CL TO: XFMR-CL 4 250 >> PNL-CL POWER	
L-63-111	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: TWH-6365 TO: PNL-CL 2 #12 >> TWH-6365 POWER	
L-63-112	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: TWH-6366 TO: PNL-CL 2 #12 >> TWH-6366 POWER	
L-63-113	63E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: TWH-6367 TO: PNL-CL 2 #12 >> TWH-6367 POWER	
L-63-120	63E05	1"	3	#6	XHHW-2	1	#10	XHHW-2	FR: PNL-UPS-CL TO: UPS-CL 3 #6 >> PNL-UPS-CL POWER	

February 2025

16990F-8

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
N-63-100	63E05	1"	3		CAT6	1	#14	XHHW-2	FR: MCC-CL TO: RTU-CL 1 CAT6 >> SSM-6301 POWER MONITOR NETWORK 1 CAT6 >> RVSS-6391 NETWORK 1 CAT6 >> RVSS-6392 NETWORK	
N-63-101	63E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: LCP-6361 TO: RTU-CL 1 CAT6 >> LCP-6361 NETWORK	
N-63-102	63E05	4"	1		12/FO	1	#14	XHHW-2	FR: LOI-FB TO: LCP-6361 1 12/FO >> LOI-FB NETWORK	
N-63-103	63E05	0.75"	1		CAT6	1	#14	XHHW-2	FR: LOI-CL TO: LCP-6361 1 CAT6 >> LOI-CL NETWORK	
N-63-611	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-621	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-631	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-641	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-651	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-661	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-671	63E16	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-63-681	63E16	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CL 1 PULL >> SPARE	
N-63-682	63E16	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CL 1 PULL >> SPARE	
N-63-683	63E16	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CL 1 PULL >> SPARE	
N-63-684	63E16	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CL 1 PULL >> SPARE	
P-63-001	63E08	1"	3	#6	XHHW-2	1	#8	XHHW-2	FR: BLR-6391 TO: MCC-CL 3 #6 >> BLR-6391 POWER	
P-63-002	63E08	1"	3	#6	XHHW-2	1	#8	XHHW-2	FR: BLR-6392 TO: MCC-CL 3 #6 >> BLR-6392 POWER	
P-63-003	63E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PPU-6353 TO: DISC-6353 3 #12 >> PPU-6353 POWER	
P-63-004	63E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6353 TO: PP-CL 3 #12 >> DISC-6353 POWER	
P-63-005	63E12	0.75"	3	#10	XHHW-2	1	#10	XHHW-2	FR: MAU-6354 TO: PP-CL 3 #10 >> MAU-6354 POWER	

February 2025

16990F-9

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-63-006	63E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: EF-6355 TO: MCC-CL 3 #12 >> EF-6355 POWER	
P-63-007	63E12	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: EF-6356 TO: MCC-CL 3 #12 >> EF-6356 POWER	
P-63-008	63E05	0.75"	3	#8	XHHW-2	1	#10	XHHW-2	FR: UPS-CL TO: MCC-CL 3 #8 >> UPS (MAIN) POWER	
P-63-009	63E05	2.5"	3	250	XHHW-2	1	#4	XHHW-2	FR: PP-CL TO: MCC-CL 3 250 >> PP-CL POWER	
P-63-010	63E05	2"	3	#4/0	XHHW-2	1	#4	XHHW-2	FR: XFMR-CL TO: MCC-CL 3 #4/0 >> XFMR-CL POWER	
P-63-011	63E09	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: CHLORINE BRIDGE CRANE TO: BRIDGE CRANE DISCONNECT 3 #12 >> CHLORINE BRIDGE CRANE POWER	
P-63-012	63E09	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: BRIDGE CRANE DISCONNECT TO: MCC-CL 3 #12 >> BRIDGE CRANE DISCONNECT POWER	
P-63-013	63E09	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: OHD-6311 TO: DISC-6311 3 #12 >> OHD-6311 POWER	
P-63-014	63E09	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6311 TO: PP-CL 3 #12 >> DISC-6311 POWER	
P-63-015	63E10	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: OHD-6312 TO: DISC-6312 3 #12 >> OHD-6312 POWER	
P-63-016	63E10	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6312 TO: PP-CL 3 #12 >> DISC-6312 POWER	
S-63-001	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6301 TO: RTU-CL 1 2/CS-#16 >> WIT-6301 SIGNAL 2 #14 >> WIT-6301 (24VDC) POWER	
S-63-002	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6302 TO: RTU-CL 1 2/CS-#16 >> WIT-6302 SIGNAL 2 #14 >> WIT-6302 (24VDC) POWER	
S-63-003	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6303 TO: RTU-CL 1 2/CS-#16 >> WIT-6303 SIGNAL 2 #14 >> WIT-6303 (24VDC) POWER	
S-63-004	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6304 TO: RTU-CL 1 2/CS-#16 >> WIT-6304 SIGNAL 2 #14 >> WIT-6304 (24VDC) POWER	
S-63-005	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6305 TO: RTU-CL 1 2/CS-#16 >> WIT-6305 SIGNAL 2 #14 >> WIT-6305 (24VDC) POWER	
S-63-006	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6306 TO: RTU-CL 1 2/CS-#16 >> WIT-6306 SIGNAL 2 #14 >> WIT-6306 (24VDC) POWER	
S-63-007	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6307 TO: RTU-CL 1 2/CS-#16 >> WIT-6307 SIGNAL 2 #14 >> WIT-6307 (24VDC) POWER	
S-63-008	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: WIT-6308 TO: RTU-CL 1 2/CS-#16 >> WIT-6308 SIGNAL 2 #14 >> WIT-6308 (24VDC) POWER	

February 2025

16990F-10

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-63-009	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6309 SIGNAL 2 #14 >> WIT-6309 (24VDC) POWER	
S-63-010	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6310 SIGNAL 2 #14 >> WIT-6310 (24VDC) POWER	
S-63-011	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6311 SIGNAL 2 #14 >> WIT-6311 (24VDC) POWER	
S-63-012	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6312 SIGNAL 2 #14 >> WIT-6312 (24VDC) POWER	
S-63-013	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6313 SIGNAL 2 #14 >> WIT-6313 (24VDC) POWER	
S-63-014	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6314 SIGNAL 2 #14 >> WIT-6314 (24VDC) POWER	
S-63-015	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6315 SIGNAL 2 #14 >> WIT-6315 (24VDC) POWER	
S-63-016	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6316 SIGNAL 2 #14 >> WIT-6316 (24VDC) POWER	
S-63-017	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6317 SIGNAL 2 #14 >> WIT-6317 (24VDC) POWER	
S-63-018	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6318 SIGNAL 2 #14 >> WIT-6318 (24VDC) POWER	
S-63-019	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6319 SIGNAL 2 #14 >> WIT-6319 (24VDC) POWER	
S-63-020	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> WIT-6320 SIGNAL 2 #14 >> WIT-6320 (24VDC) POWER	
S-63-021	63E06	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> AIT-6311 SIGNAL 2 #14 >> AIT-6311 (24VDC) POWER	
S-63-022	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> AIT-6312 SIGNAL 2 #14 >> AIT-6312 (24VDC) POWER	
S-63-023	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> AIT-6313 SIGNAL 2 #14 >> AIT-6313 (24VDC) POWER	
S-63-024	63E03	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: TO: 1 2/CS-#16 >> AIT-6314 SIGNAL 2 #14 >> AIT-6314 (24VDC) POWER	

February 2025

16990F-11

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-63-025	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6315 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6315 SIGNAL 2 #14 >> AIT-6315 (24VDC) POWER	
S-63-026	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6316 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6316 SIGNAL 2 #14 >> AIT-6316 (24VDC) POWER	
S-63-027	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6317 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6317 SIGNAL 2 #14 >> AIT-6317 (24VDC) POWER	
S-63-028	63E07	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6318 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6318 SIGNAL 2 #14 >> AIT-6318 (24VDC) POWER	
S-63-031	63E09	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6321 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6321 SIGNAL 2 #14 >> AIT-6321 (24VDC) POWER	
S-63-032	63E10	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6322 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6322 SIGNAL 2 #14 >> AIT-6322 (24VDC) POWER	
S-63-033	63E09	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6323 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6323 SIGNAL 2 #14 >> AIT-6323 (24VDC) POWER	
S-63-034	63E10	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6324 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6324 SIGNAL 2 #14 >> AIT-6324 (24VDC) POWER	
S-63-035	63E08	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6391 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6391 SIGNAL 2 #14 >> AIT-6391 (24VDC) POWER	
S-63-036	63E08	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6392 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6392 SIGNAL 2 #14 >> AIT-6392 (24VDC) POWER	
S-63-037	63E02	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6331 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6331 SIGNAL 2 #14 >> AIT-6331 (24VDC) POWER	
S-63-038	63E08	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PDIT-6391 TO: RTU-CL 1 2/CS-#16 >> PDIT-6391 SIGNAL	
S-63-039	63E08	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: PDIT-6392 TO: RTU-CL 1 2/CS-#16 >> PDIT-6392 SIGNAL	
S-63-042	63E04	0.75"	2 1	#14 2/CS-#16	XHHW-2	1	#14	XHHW-2	FR: AIT-6342 TO: LCP-6361 (RTU-CLIP) 1 2/CS-#16 >> AIT-6342 SIGNAL 2 #14 >> AIT-6342 (24VDC) POWER	
S-63-051	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: VCP-6331 TO: RTU-CL 1 2/CS-#16 >> VCP-6331 SIGNAL	
S-63-052	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: VCP-6332 TO: RTU-CL 1 2/CS-#16 >> VCP-6332 SIGNAL	
S-63-053	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: VCP-6333 TO: RTU-CL 1 2/CS-#16 >> VCP-6333 SIGNAL	
S-63-054	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: VCP-6334 TO: RTU-CL 1 2/CS-#16 >> VCP-6334 SIGNAL	

February 2025

16990F-12

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990F (FS)

CONDUIT SCHEDULE AREA 63

JVWTP FILTER AND CHEMICAL FEED UPGRADES

CHLORINE BUILDING

ENGINEER

MJG

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
S-63-055	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: VCP-6335 TO: RTU-CL 1 2/CS-#16 >> VCP-6335 SIGNAL	
S-63-056	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: VCP-6336 TO: RTU-CL 1 2/CS-#16 >> VCP-6336 SIGNAL	
S-63-058	63E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TE-6359 TO: TIT-6359 1 2/CS-#16 >> TE-6359 SIGNAL	
S-63-059	63E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6359 TO: RTU-CL 1 2/CS-#16 >> TIT-6359 SIGNAL	
S-63-060	63E07	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TE-6357 TO: TIT-6357 1 2/CS-#16 >> TE-6357 SIGNAL	
S-63-061	63E07	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6357 TO: RTU-CL 1 2/CS-#16 >> TIT-6357 SIGNAL	
S-63-062	63E10	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TE-6358 TO: TIT-6358 1 2/CS-#16 >> TE-6358 SIGNAL	
S-63-063	63E10	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6358 TO: RTU-CL 1 2/CS-#16 >> TIT-6358 SIGNAL	
S-63-064	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TE-6360 TO: TIT-6360 1 2/CS-#16 >> TE-6360 SIGNAL	
S-63-065	63E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6360 TO: RTU-CL 1 2/CS-#16 >> TIT-6360 SIGNAL	

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990G

CONDUIT SCHEDULE AREA 65

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. */C#Y: Multiconductor cable (* indicates number of conductors, Y indicates conductor size and insulation).
 - 4. CAT6: Category 6 Ethernet cable.
 - 5. MFR: Manufacturer or vendor furnished cable.
 - 6. PULL: Pull Rope.
 - 7. VFD: Shielded VFD cable with integral ground.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 65

FILTER AND CHEMICAL FEED UPGRADES

CAUSTIC SODA BUILDING

ENGINEER

CK

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-65-001	65E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6517 TO: RTU-CS 2 #14 >> FSH-6517 CONTROL	
C-65-005	65E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6516 TO: RTU-CS 2 #14 >> FSH-6516 HIGH FLOW CONTROL	
C-65-007	65E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TSHL-6560 TO: LCP-6560 2 #14 >> TSHL-6560 CONTROL	
C-65-008	65E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: FSL-6560 TO: RTU-CS 4 #14 >> FSL-6560 LOW FLOW CONTROL	
C-65-009	65E02	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6560 TO: LCP-6560 4 #14 >> XS-6560 CONTROL	
C-65-010	65E06	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: MAU-6560 TO: RTU-CS 14 #14 >> MAU-6560 CONTROL	
C-65-015	65E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TSHL-6551 TO: AHU-6551 2 #14 >> TSHL-6551 CONTROL	
C-65-016	65E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AHU-6551 TO: CU-6551 1 MFR >> AHU-6551 CONTROL	
C-65-017	65E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: TSHL-6552 TO: AHU-6552 2 #14 >> TSHL-6552 CONTROL	
C-65-018	65E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: AHU-6552 TO: CU-6552 1 MFR >> AHU-6552 CONTROL	
C-65-019	65E02	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: PPU-6553 TO: RTU-CS 2 #14 >> PPU-6553 SMOKE SHUT DOWN 2 #14 >> PPU-6553 FAILED 2 #14 >> PPU-6553 RUNNING 2 #14 >> PPU-6553 DIRTY FILTER 2 #14 >> PPU-6553 LOW TEMP 2 #14 >> PPU-6553 START	
C-65-021	65E04	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6572 TO: RTU-CS 4 #14 >> PISH-6572 HIGH PRESSURE CONTROL	
C-65-022	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6584 TO: RTU-CS 2 #14 >> SV-6584 OPEN CONTROL	
C-65-023	65E02	2"	78	#14	XHHW-2	1	#14	XHHW-2	FR: MCC-CS TO: RTU-CS 2 #14 >> MCC-CS SPD FAIL 8 #14 >> FVNR-6554 CONTROL 8 #14 >> FVNR-6555 CONTROL 8 #14 >> FVNR-6556 CONTROL 14 #14 >> VFD-6572 CONTROL 14 #14 >> VFD-6582 CONTROL 10 #14 >> FVNR-6511 CONTROL 10 #14 >> FVNR-6521 CONTROL 2 #14 >> SSM-6501 2 #14 >> SPD-6501	
C-65-024	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6541 TO: RTU-CS 2 #14 >> PISH-6541 HIGH PRESSURE CONTROL	
C-65-025	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6562 TO: RTU-CS 2 #14 >> PISH-6562 HIGH PRESSURE CONTROL	
C-65-026	65E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6511 TO: MCC-CS 2 #14 >> PISH-6511 HIGH PRESSURE CONTROL	
C-65-027	65E05	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6521 TO: MCC-CS 4 #14 >> PISH-6521 HIGH PRESSURE CONTROL	

February 2025

16990G-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990G (FS)

CONDUIT SCHEDULE AREA 65

FILTER AND CHEMICAL FEED UPGRADES

CAUSTIC SODA BUILDING

ENGINEER

CK

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-65-029	65E03	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6560 TO: RTU-CS 14 #14 >> LCP-6560 CONTROL	
C-65-031	65E06	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: RTU-CS TO: LCP-6555 2 #14 >> LCP-6555 AUTO CONTROL	
C-65-032	65E04 65E06	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6556 TO: MCC-CS 4 #14 >> XS-6556 SMOKE DETECTOR CONTROL	
C-65-035	65E04	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6541 TO: RTU-CS 14 #14 >> PMP-6541 CONTROL	
C-65-036	65E04	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6562 TO: RTU-CS 14 #14 >> PMP-6562 CONTROL	
C-65-039	65E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6554 TO: MCC-CS 7 #14 >> LCP-6554 FVNR-6554 CONTROL	
C-65-040	65E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6555 TO: MCC-CS 7 #14 >> LCP-6555 FVNR-6555 CONTROL	
C-65-042	65E06	0.75"	7	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6556 TO: MCC-CS 7 #14 >> LCP-6556 FVNR-6556 CONTROL	
C-65-044	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6582 TO: MCC-CS 2 #14 >> PISH-6582 VFD-6582 CONTROL	
C-65-045	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6582 TO: RTU-CS 2 #14 >> PISH-6582N HIGH PRESS CONTROL	
C-65-047	65E05	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6521 TO: MCC-CS 2 #14 >> PISH-6521 FVNR-6521 CONTROL	
C-65-049	65E05	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: TIT-6557 TO: TE-6557 1 MFR >> TIT-6557 CONTROL	
C-65-050	65E03	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: TIT-6568 TO: TE-6568 1 MFR >> TIT-6568 CONTROL	
C-65-051	65E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: TIT-6559 TO: TE-6559 1 MFR >> TIT-6559 MFR CONTROL	
C-65-510	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6510 TO: RTU-CS 2 #14 >> FSH-6510 CONTROL	
C-65-534	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6534 TO: RTU-CS 2 #14 >> LSH-6534 CONTROL	
C-65-554	65E05	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6554 TO: MCC-CS VIA FVNR-6554 4 #14 >> XS-6554 CONTROL	
C-65-555	65E05	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: XS-6555 TO: MCC-CS VIA FVNR-6555 4 #14 >> XS-6555 CONTROL	
C-65-584	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6584 TO: RTU-CS 2 #14 >> FSH-6584 CONTROL	
C-65-611	65E10	1"	1	PULL	ROPE				FR: DOOR 65-D101-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-65-621	65E10	1"	1	PULL	ROPE				FR: DOOR 65-D103-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	

February 2025

16990G-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990G (FS)

CONDUIT SCHEDULE AREA 65

FILTER AND CHEMICAL FEED UPGRADES

CAUSTIC SODA BUILDING

ENGINEER

CK

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-65-631	65E10	1"	1	PULL	ROPE				FR: DOOR 65-D102-01 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-65-650	65E04	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-6500 TO: RTU-CS 6 #14 >> LCP-6500 CONTROL	
L-65-007	65E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: RTU-CS TO: PNL-UPS-CS 3 #12 >> RTU-CS POWER	
L-65-010	65E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6582 TO: MCC-CS 3 #12 >> PISH-6582 POWER	
L-65-011	65E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PNL-CS TO: RTU-CS 3 #12 >> RTU-CS POWER	
L-65-012	65E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PNL-CS TO: SECURITY PANEL 3 #12 >> RTU-CS POWER	
L-65-015	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: WIT-6531 TO: RTU-CS 2 #12 >> WIT-3631 POWER	
L-65-016	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6541 TO: RTU-CS 2 #12 >> PISH-6541 POWER	
L-65-017	65E04	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6562 TO: RTU-CS 2 #14 >> PISH-6562 HIGH PRESSURE CONTROL	
L-65-019	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-6541 TO: PNL-CS 2 #12 >> PMP-6541 POWER	
L-65-020	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-6562 TO: PNL-CS 2 #12 >> PMP-6562 POWER	
L-65-021	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: FIT-6583 TO: RTU-CS 2 #12 >> FIT-6583 POWER	
L-65-022	65E05	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LSH-6514 TO: RTU-CS 2 #12 >> LSH-6514 POWER	
L-65-023	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: FIT-6563 TO: RTU-CS 2 #12 >> FIT-6563 POWER	
L-65-501	65E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6501 TO: PNL-CS 2 #10 >> HTU-6501 POWER	
L-65-502	65E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6502 TO: PNL-CS 2 #10 >> HTU-6502 POWER	
L-65-503	65E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6503 TO: PNL-CS 2 #10 >> HTU-6503 POWER	
L-65-030	65E02	1"	3	#6	XHHW-2	1	#10	XHHW-2	FR: PNL-UPS-CS TO: UPS-CS 3 #6 >> PNL-UPS-CS POWER	
L-65-031	65E02	1"	3	#6	XHHW-2	1	#10	XHHW-2	FR: UPS-CS TO: UPS BYPASS DISC 3 #6 >> UPS-CS (BYPASS) POWER	
L-65-032	65E02	1"	3	#6	XHHW-2	1	#10	XHHW-2	FR: UPS BYPASS DISC TO: PNL-CS 3 #6 >> UPS BYPASS DISC POWER	
L-65-501	65E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6501 TO: PNL-CS 2 #10 >> HTU-6501 CONTROLLER POWER	

February 2025

16990G-4

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990G (FS)

CONDUIT SCHEDULE AREA 65

FILTER AND CHEMICAL FEED UPGRADES

CAUSTIC SODA BUILDING

ENGINEER

CK

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
L-65-502	65E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6502 TO: PNL-CS 2 #10 >> HTU-6502 CONTROLLER POWER	
L-65-503	65E05	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6503 TO: PNL-CS 2 #10 >> HTU-6503 CONTROLLER POWER	
L-65-510	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: HTU-6510 TO: PNL-CS 2 #12 >> HTU-6510 POWER	
L-65-511	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: HTU-6511 TO: PNL-CS 2 #12 >> HTU-6511 POWER	
L-65-531	65E04	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HTU-6531 TO: PNL-CS 2 #10 >> HTU-6531 CONTROLLER POWER	
L-65-534	65E04	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LSH-6534 TO: RTU-CS 2 #12 LSH-6534 POWER	
L-65-561	65E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6561 TO: PNL-CS 3 #12 >> GUH-561 POWER	
L-65-562	65E04	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6562 TO: PNL-CS 3 #12 >> GUH-6562 POWER	
L-65-563	65E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6563 TO: PNL-CS 3 #12 >> GUH-6563 POWER	
L-65-564	65E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: GUH-6564 TO: PNL-CS 3 #12 >> GUH-6564 POWER	
L-65-650	65E04	0.75"	3	#10	XHHW-2	1	#10	XHHW-2	FR: LCP-6500 TO: RTU-CS 3 #10 >> LCP-6500 POWER	
N-65-001	65E02	0.75"	1		CAT6	1	#14	XHHW-2	FR: MCC-CS TO: RTU-CS 1 CAT6 >> MCC-CS POWER MONITOR NETWORK	
N-65-611	65E10	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-65-621	65E10	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-65-631	65E10	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CS 1 PULL >> SPARE	
N-65-641	65E10	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CS 1 PULL >> SPARE	
N-65-651	65E10	1"	1	PULL	ROPE				FR: WIRELESS NETWORK J-BOX TO: RTU-CS 1 PULL >> SPARE	
P-65-001	65E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6554 TO: EF-6554 3 #12 >> EF-6554 POWER	P-65-002
P-65-002	65E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6554 TO: MCC-CS 3 #12 >> EF-6554 POWER	P-65-001
P-65-004	65E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: EF-6555 TO: DISC-6555 3 #12 >> EF-6555 POWER	P-65-024
P-65-005	65E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: SF-6556 TO: DISC-6556 3 #12 >> SF-6556 POWER	P-65-006

February 2025

16990G-5

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990G (FS)

CONDUIT SCHEDULE AREA 65									ENGINEER	CK
FILTER AND CHEMICAL FEED UPGRADES									REVISION	
CAUSTIC SODA BUILDING									DATE	2/11/25
CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
P-65-006	65E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6556 TO: MCC-CS 3 #12 >> SF-6556 POWER	P-65-005
P-65-007	65E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PPU-6553 TO: DISC-6553 3 #12 >> PPU-6553 POWER	P-65-008
P-65-008	65E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6553 TO: MCC-CS 3 #12 >> PPU-6553 POWER	P-65-007
P-65-013	65E03	0.75"	3	#10	XHHW-2	1	#10	XHHW-2	FR: LCP-6560 TO: PP-CS 3 #10 >> LCP-6560 POWER	
P-65-016	65E04	1.5"	1 4	3/C-#12:VFD #14	VFD XHHW-2			INTEGRAL	FR: PMP-6572 TO: MCC-CS 1 3/C-#12:VFD >> PMP-6572 POWER 2 #14 >> PMP-6572 MWH CONTROL 2 #14 >> PMP-6572 TSH CONTROL	
P-65-018	65E04	1.5"	1 4	3/C-#12:VFD #14	VFD XHHW-2			INTEGRAL	FR: PMP-6582 TO: MCC-CS 1 3/C-#12:VFD >> PMP-6582 POWER 2 #14 >> PMP-6582 MWH CONTROL 2 #14 >> PMP-6582 TSH CONTROL	
P-65-020	65E05	0.75"	3 4	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PMP-6511 TO: LCP-6511 3 #12 >> PMP-6511 POWER 2 #14 >> PMP-6511 MWH CONTROL 2 #14 >> PMP-6511 TSH CONTROL	
P-65-021	65E05	0.75"	3 4	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PMP-6521 TO: LCP-6521 3 #12 >> PMP-6521 POWER 2 #14 >> PMP-6521 MWH CONTROL 2 #14 >> PMP-6521 TSH CONTROL	
P-65-024	65E06	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6555 TO: MCC-CS 3 #12 >> EF-6555 POWER	P-65-004
P-65-025	65E06	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HP-6551 TO: DISC-6551 2 #10 >> HP-6551 POWER	P-65-026
P-65-026	65E06	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: DISC-6551 TO: PNL-CS 2 #10 >> HP-6551 POWER	P-65-025
P-65-027	65E06	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: HP-6552 TO: DISC-6552 2 #10 >> HP-6552 POWER	P-65-028
P-65-028	65E06	0.75"	2	#10	XHHW-2	1	#10	XHHW-2	FR: DISC-6552 TO: PNL-CS 2 #10 >> HP-6552 POWER	P-65-027
P-65-030	65E02	2"	3	#4/0	XHHW-2	1	#4	XHHW-2	FR: XFMR-CS TO: MCC-CS 3 #4/0 >> XFMR-CS POWER	
P-65-031	65E02	3"	4	250	XHHW-2	1	#2	XHHW-2	FR: PNL-CS TO: XFMR-CS 4 250 >> PNL-CS POWER	
P-65-040	65E02	0.75"	3	#8	XHHW-2	1	#10	XHHW-2	FR: UPS-CS TO: MCC-CS 3 #8 >> UPS-CS (MAIN) POWER	
P-65-045	65E02	1.5"	3	#2	XHHW-2	1	#8	XHHW-2	FR: PP-CS TO: MCC-CS 3 #2 >> PP-CS POWER	
P-65-600	65E06	0.75"	3	#10	XHHW-2	1	#10	XHHW-2	FR: MAU-6560 TO: PP-CS 3 #10 >> MAU-6560 POWER	
S-65-001	65E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LSH-6514 TO: RTU-CS 1 2/CS-#16 >> LSH-6514 SIGNAL	

CONDUIT SCHEDULE AREA 65										ENGINEER	CK
FILTER AND CHEMICAL FEED UPGRADES										REVISION	
CAUSTIC SODA BUILDING										DATE	2/11/25
CONDUIT			CONDUCTORS			GROUND					
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS	
S-65-002	65E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-6501 TO: RTU-CS 1 2/CS-#16 >> LIT-6501 SIGNAL		
S-65-003	65E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-6502 TO: RTU-CS 1 2/CS-#16 >> LIT-6502 SIGNAL		
S-65-004	65E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-6503 TO: RTU-CS 1 2/CS-#16 >> LIT-6503 SIGNAL		
S-65-005	65E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-6531 TO: RTU-CS 1 2/CS-#16 >> LIT-6531 SIGNAL		
S-65-006	65E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: WIT-3631 TO: RTU-CS 1 2/CS-#16 >> WIT-3631 SIGNAL		
S-65-007	65E05	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6557 TO: RTU-CL 1 2/CS-#16 >> TIT-6557 SIGNAL		
S-65-008	65E03	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6568 TO: RTU-CL 1 2/CS-#16 >> TIT-6568 SIGNAL		
S-65-009	65E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: TIT-6559 TO: RTU-CS 1 2/CS-#16 >> TIT-6559 SIGNAL		
S-65-010	65E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: FIT-6563 TO: RTU-CS 1 2/CS-#16 >> FIT-6563 SIGNAL		
S-65-011	65E04	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: FIT-6583 TO: RTU-CS 1 2/CS-#16 >> FIT-6583 FLOW SIGNAL		
S-65-020	65E04	1"	4	2/CS-#16		1	#14	XHHW-2	FR: PMP-6541 TO: RTU-CS 4 2/CS-#16 >> PMP-6541 SIGNAL		
S-65-025	65E04	1"	4	2/CS-#16		1	#14	XHHW-2	FR: PMP-6562 TO: RTU-CS 4 2/CS-#16 >> PMP-6562 SIGNAL		
S-65-048	65E04	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: WE-6531 TO: WIT-6531 1 MFR >> WIT-6531 CONTROL		
S-65-650	65E04	1"	3	2/CS-#16		1	#14	XHHW-2	FR: LCP-6500 TO: RTU-CS 3 2/CS-#16 >> LCP-6500 SIGNAL		

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990H

CONDUIT SCHEDULE AREA 68

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. */C#Y: Multiconductor cable (* indicates number of conductors, Y indicates conductor size and insulation).
 - 4. VFD: Shielded VFD cable with integral ground.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 68

FILTER AND CHEMICAL FEED UPGRADES

PAC AREA

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
C-68-125	68E02	1.5"	44	#14	XHHW-2	1	#14	XHHW-2	FR: PAC SILO 1 CONTROL J-BOX TO: VCP-6800 2 #14 >> LIT-6801 POWER 2 #14 >> PDAH-6802 CONTROL 2 #14 >> LSH-6801 CONTROL 2 #14 >> LSL-6801 CONTROL 2 #14 >> LSH-6803 CONTROL 2 #14 >> LSHL-6803 CONTROL 3 #14 >> PISL-6802 CONTROL 3 #14 >> PISL-6804 CONTROL 3 #14 >> PISL-6825 CONTROL 3 #14 >> PISL-6811 CONTROL 3 #14 >> PISL-6812 CONTROL 2 #14 >> LSH-6810 CONTROL 3 #14 >> PISL-6814 CONTROL 12 #14 >> SPARE	
C-68-128	68E02	2"	20 40	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PAC SILO 1 CONTROL J-BOX TO: VCP-6800 16 #14 >> VCP-6801 CONTROL 2 #12 >> SV1-6801 CONTROL 2 #12 >> SV2-6801 CONTROL 2 #12 >> SV3-6801 CONTROL 2 #12 >> SV4-6801 CONTROL 2 #12 >> SV-6802 CONTROL 2 #12 >> SV1-6804 CONTROL 2 #12 >> SV2-6804 CONTROL 2 #12 >> SV-6811 CONTROL 2 #12 >> SV-6813A CONTROL 2 #12 >> SV-6813B CONTROL 24 #14 >> SPARE	
C-68-325	68E02	1.5"	44	#14	XHHW-2	1	#14	XHHW-2	FR: PAC SILO 2 CONTROL J-BOX TO: VCP-6830 2 #14 >> LIT-6831 POWER 2 #14 >> PDAH-6832 CONTROL 2 #14 >> LSH-6831 CONTROL 2 #14 >> LSL-6831 CONTROL 2 #14 >> LSH-6833 CONTROL 2 #14 >> LSHL-6833 CONTROL 3 #14 >> PISL-6832 CONTROL 3 #14 >> PISL-6834 CONTROL 3 #14 >> PISL-6845 CONTROL 3 #14 >> PISL-6841 CONTROL 3 #14 >> PISL-6842 CONTROL 2 #14 >> LSH-6840 CONTROL 3 #14 >> PISL-6844 CONTROL 12 #14 >> SPARE	
C-68-328	68E02	2"	20 40	#12 #14	XHHW-2 XHHW-2	1	#12	XHHW-2	FR: PAC SILO 2 CONTROL J-BOX TO: VCP-6830 16 #14 >> VCP-6831 CONTROL 2 #12 >> SV1-6831 CONTROL 2 #12 >> SV2-6831 CONTROL 2 #12 >> SV3-6831 CONTROL 2 #12 >> SV4-6831 CONTROL 2 #12 >> SV-6832 CONTROL 2 #12 >> SV1-6834 CONTROL 2 #12 >> SV2-6834 CONTROL 2 #12 >> SV-6841 CONTROL 2 #12 >> SV-6843A CONTROL 2 #12 >> SV-6843B CONTROL 24 #14 >> SPARE	
L-68-125	68E02	1"	8	#10	XHHW-2	1	#10	XHHW-2	FR: PAC SILO 1 120V J-BOX TO: PPSC-PAC 2 #10 >> SILO 1 RECEPTACLES 2 #10 >> SILO 1 LIGHTS 4 #10 >> SPARE	
L-68-325	68E02	1"	8	#10	XHHW-2	1	#10	XHHW-2	FR: PAC SILO 2 120V J-BOX TO: PPSC-PAC 2 #10 >> SILO 2 RECEPTACLES 2 #10 >> SILO 2 LIGHTS 4 #10 >> SPARE	
P-68-124	68E02	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PAC SILO 1 480V J-BOX TO: VCP2-6802 1 3/C-#12:VFD >> FDR-6803 POWER	

February 2025

16990H-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990H (FS)

CONDUIT SCHEDULE AREA 68

FILTER AND CHEMICAL FEED UPGRADES

PAC AREA

ENGINEER

SKB

REVISION

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-68-125	68E02	1.5"	6 6 6	#10 #12 #14	XHHW-2 XHHW-2 XHHW-2	1	#10	XHHW-2	FR: PAC SILO 1 480V J-BOX TO: VCP2-6802 2 #12 >> MWH-6803 POWER 2 #14 >> TSH-6803 CONTROL 3 #10 >> FDR-6810 POWER 2 #12 >> MWH-6810 POWER 2 #14 >> TSH-6810 CONTROL 3 #10 >> BLO-6802 POWER 2 #12 >> MWH-6802 POWER 2 #14 >> TSH-6802 CONTROL	
P-68-128	68E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PAC SILO 1 480V J-BOX TO: PP-PAC 3 #12 >> PAC SILO 1 HEATER	
P-68-324	68E02	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PAC SILO 2 480V J-BOX TO: VCP2-6832 1 3/C-#12:VFD >> FDR-6833 POWER	
P-68-325	68E02	1.5"	6 6 6	#10 #12 #14	XHHW-2 XHHW-2 XHHW-2	1	#10	XHHW-2	FR: PAC SILO 2 480V J-BOX TO: VCP2-6832 2 #12 >> MWH-6833 POWER 2 #14 >> TSH-6833 CONTROL 3 #10 >> FDR-6840 POWER 2 #12 >> MWH-6840 POWER 2 #14 >> TSH-6840 CONTROL 3 #10 >> BLO-6832 POWER 2 #12 >> MWH-6832 POWER 2 #14 >> TSH-6832 CONTROL	
P-68-328	68E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PAC SILO 2 480V J-BOX TO: PP-PAC 3 #12 >> PAC SILO 2 HEATER	
S-68-125	68E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: PAC SILO 1 SIGNAL J-BOX TO: VCP-6800 1 2/CS-#16 >> VCP-6801 SIGNAL 1 2/CS-#16 >> LIT-6801 SIGNAL	
S-68-325	68E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: PAC SILO 2 SIGNAL J-BOX TO: VCP-6830 1 2/CS-#16 >> VCP-6831 SIGNAL 1 2/CS-#16 >> LIT-6831 SIGNAL	

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990J

CONDUIT SCHEDULE AREA 69

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. */C#Y: Multiconductor cable (* indicates number of conductors, Y indicates conductor size and insulation).
 - 4. CAT6: Category 6 Ethernet cable.
 - 5. MFR: Manufacturer or vendor furnished cable.
 - 6. PULL: Pull Rope.
 - 7. RS-485 RS-485 cable.
 - 8. VFD: Shielded VFD cable with integral ground.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-69-004	69E02	2.5"	82	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6901 TO: RTU-PEA 2 #14 >> LSL-6901 CONTROL 2 #14 >> LSH-6901 CONTROL 10 #14 >> FV-6902 CONTROL 10 #14 >> FV-6903 CONTROL 10 #14 >> FV-6904 CONTROL 4 #14 >> MIX-6905 COTROL 2 #14 >> LSHH-6905 CONTROL 2 #14 >> BLO-6911 CONTROL 2 #14 >> LSL-6911 CONTROL 2 #14 >> LSH-6911 CONTROL 10 #14 >> FV-6912 CONTROL 10 #14 >> FV-6913 CONTROL 10 #14 >> FV-6914 CONTROL 4 #14 >> MIX-6915 CONTROL 2 #14 >> LSHH-6915 CONTROL	
C-69-011	69E02	1.5"	36	#14	XHHW-2	1	#14	XHHW-2	FR: JB-6911 TO: VCP-6911 2 #14 >> BLO-6911 CONTROL 2 #14 >> LSL-6911 CONTRL 2 #14 >> LSH-6911 CONTROL 10 #14 >> FV-6912 CONTROL 10 #14 >> FV-6913 CONTROL 10 #14 >> FV-6914 CONTROL	
C-69-016	69E03	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6916 TO: RTU-PEA 14 #14 >> PMP-6916 CONTROL	
C-69-018	69E03	0.75"	1	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6918 TO: RTU-PEA 1 #14 >> FIT-6918 24 VDC POWER	
C-69-019	69E03	0.75"	1	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6919 TO: RTU-PEA 1 #14 >> FIT-6919 24 VDC POWER	
C-69-021	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6921 TO: MCC-PEA VIA VFD-6921 2 #14 >> MWH-6921 CONTROL 2 #14 >> TSH-6921 CONTROL	
C-69-026	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6926 TO: MCC-PEA VIA VFD-6926 2 #14 >> MWH-6926 CONTROL 2 #14 >> TSH-6926 CONTROL	
C-69-027	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6927 TO: RTU-PEA 2 #14 >> SV-6927 CONTROL 2 #14 >> SV-6927 24 VDC POWER	
C-69-028	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6928 TO: RTU-PEA 2 #14 >> SV-6928 CONTROL 2 #14 >> SV-6928 24 VDC POWER	
C-69-029	69E03	0.75"	1	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6929 TO: RTU-PEA 1 #14 >> FIT-6929 24 VDC POWER	
C-69-035	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6935 TO: RTU-PEA 2 #14 >> SV-6935 OPEN CONTROL 2 #14 >> SV-6935 24 VDC POWER 14	
C-69-037	69E03	0.75"	2 1	#14	XHHW-2 CAT6	1	#14	XHHW-2	FR: FIT-6937 TO: RTU-PEA 2 #14 >> FIT-6937 24 VDC POWER 1 CAT6 >> FIT-6937 NETWORK	
C-69-038	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6938 TO: RTU-PEA 2 #14 >> FIT-6938 24VDC POWER	
C-69-041		0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6941 TO: RTU-PEA 2 #14 >> SV-6941 CONTROL 2 #14 >> SV-6941 24 VDC POWER	
C-69-048	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6948 TO: RTU-PEA 2 #14 >> FIT-6948 24VDC POWER	

February 2025

16990J-2

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990J (FS)

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-69-049	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6949 TO: RTU-PEA 2 #14 >> FIT-6949 24VDC POWER	
C-69-054	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6934 TO: RTU-PEA 2 #14 >> SV-6934 CONTROL 2 #14 >> SV-6934 24 VDC POWER	
C-69-055	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6940 TO: RTU-PEA 2 #14 >> SV-6940 CONTROL 2 #14 >> SV-6940 24 VDC POWER	
C-69-056	69E03	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6956 TO: RTU-PEA 14 #14 >> PMP-6956 CONTROL	
C-69-057		0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: SV-6957 TO: RTU-PEA 2 #14 >> SV-6957 CONTROL 2 #14 >> SV-6957 24 VDC POWER	
C-69-058		0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6958 TO: RTU-PEA 2 #14 >> FIT-6958 CONTROL	
C-69-101	69E02	1.5"	36	#14	XHHW-2	1	#14	XHHW-2	FR: JB-6901 TO: VCP-6901 2 #14 >> BLO-6901 CONTROL 2 #14 >> LSL-6901 CONTRL 2 #14 >> LSH-6901 CONTROL 10 #14 >> FV-6902 CONTROL 10 #14 >> FV-6903 CONTROL 10 #14 >> FV-6904 CONTROL	
C-69-105	69E03	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: JB-6905 TO: VCP-6901 4 #14 >> MIX-6905 CONTROL 2 #14 >> LSHH-6905 CONTROL 2 #14 >> PDIT-6905 CONTROL 4 #14 >> SPARE	
C-69-111	69E03	1"	14	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6911 TO: RTU-PEA 14 #14 >> PMP-6911 CONTROL	
C-69-115	69E03	1"	12	#14	XHHW-2	1	#14	XHHW-2	FR: JB-6915 TO: VCP-6901 4 #14 >> MIX-6915 CONTROL 2 #14 >> LSHH-6915 CONTROL 2 #14 >> PDIT-6915 CONTROL 4 #14 >> SPARE	
C-69-116	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6916 TO: RTU-PEA 2 #14 >> PISH-6916 CONTROL 2 #14 >> PISH-6916 24 VDC POWER	
C-69-121	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6921 TO: MCC-PEA VIA VFD-6921 2 #14 >> PISH-6921 CONTROL	
C-69-126	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6926 TO: MCC-PEA VIA VFD-6926 2 #14 >> PISH-6926 CONTROL	
C-69-128	69E03	0.75"	1	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6928 TO: RTU-PEA 1 #14 >> FIT-6928 24 VDC POWER	
C-69-131	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6931 TO: MCC-PEA VIA VFD-6931 2 #14 >> MWH-6931 2 #14 >> TSH-6931	
C-69-136	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6936 TO: MCC-PEA VIA VFD-6936 2 #14 >> MWH-6936 2 #14 >> TSH-6936	

February 2025

16990J-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990J (FS)

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-69-141	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6941 TO: MCC-PEA VIA VFD-6941 2 #14 >> MWH-6941 2 #14 >> TSH-6941	
C-69-146	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6946 TO: MCC-PEA VIA VFD-6946 2 #14 >> MWH-6946 2 #14 >> TSH-6946	
C-69-151	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-6951 TO: MCC-PEA VIA VFD-6951 2 #14 >> MWH-6951 2 #14 >> TSH-6951	
C-69-156	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6956 TO: RTU-PEA 2 #14 >> PISH-6956 CONTROL 2 #14 >> PISH-6956 24 VDC POWER	
C-69-211	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6911 TO: RTU-PEA 2 #14 >> PISH-6911 CONTROL 2 #14 >> PISH-6911 24 VDC POWER	
C-69-221	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6921 TO: RTU-PEA 2 #14 >> PISH-6921 CONTROL	
C-69-226	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6926 TO: RTU-PEA 2 #14 >> PISH-6926 CONTROL	
C-69-231	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6931 TO: RTU-PEA 2 #14 >> PISH-6931 CONTROL	
C-69-236	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6936 TO: RTU-PEA 2 #14 >> PISH-6936 CONTROL	
C-69-241	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6941 TO: RTU-PEA 2 #14 >> PISH-6941 CONTROL	
C-69-246	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6946 TO: RTU-PEA 2 #14 >> PISH-6946 CONTROL	
C-69-251	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6951 TO: RTU-PEA 2 #14 >> PISH-6951 CONTROL	
C-69-331	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6931 TO: MCC-PEA VIA VFD-6931 2 #14 >> PISH-6931 CONTROL	
C-69-336	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6936 TO: MCC-PEA VIA VFD-6936 2 #14 >> PISH-6936 CONTROL	
C-69-341	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6941 TO: MCC-PEA VIA VFD-6941 2 #14 >> PISH-6941 CONTROL	
C-69-346	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6946 TO: MCC-PEA VIA VFD-6946 2 #14 >> PISH-6946 CONTROL	
C-69-351	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-6951 TO: MCC-PEA VIA VFD-6951 2 #14 >> PISH-6951 CONTROL	
C-69-405	69E03	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: WE-6905 TO: WIT-6905 1 MFR >> WE-6905 CONTROL	
C-69-415	69E03	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: WE-6915 TO: WIT-6915 1 MFR >> 23-6915 CONTROL	

February 2025

16990J-4

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990J (FS)

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-69-505	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: WIT-6905 TO: RTU-PEA 2 #14 >> WIT-6905 24 VDC POWER	
C-69-515	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: WIT-6915 TO: RTU-PEA 2 #14 >> WIT-6915 24 VDC POWER	
C-69-611	69E04	1"	1	PULL	ROPE				FR: DOOR SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-69-621	69E04	1"	1	PULL	ROPE				FR: DOOR 69-D101-03 SECURITY J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
C-69-710	69E02	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-7100 TO: RTU-PEA 6 #14 >> LCP-7100 CONTROL	
C-69-901	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-6901 TO: RTU-PEA 2 #14 >> FSH-6901 CONTROL	
C-69-903	69E03	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6903 TO: VCP-6901 6 #14 >> FV-6903 CONTROL	
C-69-904	69E03	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6904 TO: VCP-6901 6 #14 >> FV-6904 CONTROL	
C-69-905	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: MIX-6905 TO: JB-6905 4 #14 >> MIX-6905	
C-69-906	69E03	0.75"	3	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6906 TO: VCP-6901 3 #14 >> FV-6906 CONTROL	
C-69-907	69E03	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6907 TO: RTU-PEA 2 #14 >> LSH-6907 CONTROL	
C-69-913	69E03	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6913 TO: VCP-6901 6 #14 >> FV-6913 CONTROL	
C-69-914	69E03	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6914 TO: VCP-6901 6 #14 >> FV-6914 CONTROL	
C-69-915	69E03	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: MIX-6915 TO: JB-6915 4 #14 >> MIX-6915	
C-69-916	69E03	0.75"	3	#14	XHHW-2	1	#14	XHHW-2	FR: FV-6916 TO: VCP-6901 3 #14 >> FV-6916 CONTROL	
L-69-011	69E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-6911 TO: VCP-6911 2 #12 >> PMP-6911 POWER	
L-69-016	69E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6916 TO: PNL-PEA 2 #12 >> PMP-6916 POWER	
L-69-021	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6921 TO: MCC-PEA VIA VFD-6921 3 #12 >> PISH-6921 POWER	
L-69-026	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6926 TO: MCC-PEA VIA VFD-6926 3 #12 >> PISH-6926 POWER	
L-69-031	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6931 TO: MCC-PEA VIA VFD-6931 3 #12 >> PISH-6931 POWER	
L-69-036	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6936 TO: MCC-PEA VIA VFD-6936 3 #12 >> PISH-6936 POWER	

February 2025

16990J-5

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990J (FS)

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
L-69-041	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6941 TO: MCC-PEA VIA VFD-6941 3 #12 >> PISH-6941 POWER	
L-69-046	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6946 TO: MCC-PEA VIA VFD-6946 3 #12 >> PISH-6946 POWER	
L-69-051	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-6951 TO: MCC-PEA VIA VFD-6951 3 #12 >> PISH-6951 POWER	
L-69-056	69E03	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6956 TO: PNL-PEA 2 #12 >> PMP-6956 POWER	
L-69-061	69E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: MD-6961 TO: MCC-PEA 3 #12 >> MD-6961 POWER	
L-69-062	69E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: MD-6962 TO: MCC-PEA 3 #12 >> MD-6962 POWER	
L-69-161	69E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: SUH-6961 TO: PNL-PEA 3 #12 >> SUH-6961 POWER	
L-69-162	69E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: SUH-6962 TO: PNL-PEA 3 #12 >> SUH-6962 POWER	
L-69-710	69E02	0.75"	3	#10	XHHW-2	1	#10	XHHW-2	FR: LCP-7100 TO: RTU-PEA 3 #10 >> LCP-7100 POWER	
L-69-903	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: FV-6903 TO: VCP-6901 3 #12 >> FV-6903 POWER	
L-69-904	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: FV-6904 TO: VCP-6901 3 #12 >> FV-6904 POWER	
L-69-907	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: LSH-6907 TO: RTU-PEA 3 #12 >> LSH-6907 POWER	
L-69-913	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: FV-6913 TO: VCP-6901 3 #12 >> FV-6913 POWER	
L-69-914	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: FV-6914 TO: VCP-6901 3 #12 >> FV-6914 POWER	
N-69-018	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6918 TO: RTU-PEA 1 RS-485 >> FIT-6918 NETWORK	
N-69-019	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6919 TO: RTU-PEA 1 RS-485 >> FIT-6919 NETWORK	
N-69-028	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6928 TO: RTU-PEA 1 RS-485 >> FIT-6928 NETWORK	
N-69-029	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6929 TO: RTU-PEA 1 RS-485 >> FIT-6929 NETWORK	
N-69-037	69E03	2"	1		RS-485	1	#14	XHHW-2	FR: FIT-6937 TO: RTU-PEA 1 RS-485 >> FIT-6937 NETWORK	
N-69-038	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6938 TO: RTU-PEA 1 RS-485 >> FIT-6938 NETWORK	
N-69-048	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6948 TO: RTU-PEA 1 RS-485 >> FIT-6948 NETWORK	

February 2025

16990J-6

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990J (FS)

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
N-69-049	69E03	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6949 TO: RTU-PEA 1 RS-485 >> FIT-6949 NETWORK	
N-69-058		0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6958 TO: RTU-PEA 1 RS-485 >> FIT-6958 NETWORK	
N-69-611	69E04	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-69-621	69E04	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-69-631	69E04	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
N-69-641	69E04	1"	1	PULL	ROPE				FR: SECURITY CAMERA J-BOX TO: SECURITY PANEL 1 PULL >> SPARE	
P-69-001	69E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6901 TO: PP-PEA 3 #12 >> VCP-6901 POWER	
P-69-006	69E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: JB-6901 TO: DISC-6906 3 #12 >> HOI-6906 POWER	P-69-007
P-69-007	69E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6906 TO: PP-PEA 3 #12 >> HOI-6906 POWER	P-69-006
P-69-016	69E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: JB-6911 TO: DISC-6916 3 #12 >> HOI-6916 POWER	P-69-017
P-69-017	69E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: DISC-6906 TO: PP-PEA 3 #12 >> HOI-6916 POWER	P-69-016
P-69-021	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6921 TO: MCC-PEA VIA VFD-6921 1 3/C-#12:VFD >> PMP-6921 POWER	
P-69-026	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6926 TO: MCC-PEA VIA VFD-6926 1 3/C-#12:VFD >> PMP-6926 POWER	
P-69-031	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6931 TO: MCC-PEA VIA VFD-6931 1 3/C-#12:VFD >> PMP-6931 POWER	
P-69-036	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6936 TO: MCC-PEA VIA VFD-6936 1 3/C-#12:VFD >> PMP-6936 POWER	
P-69-041	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6941 TO: MCC-PEA VIA VFD-6941 1 3/C-#12:VFD >> PMP-6941 POWER	
P-69-046	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6946 TO: MCC-PEA VIA VFD-6946 1 3/C-#12:VFD >> PMP-6946 POWER	
P-69-051	69E03	1.5"	1	3/C-#12:VFD	VFD			INTEGRAL	FR: PMP-6951 TO: MCC-PEA VIA VFD-6951 1 3/C-#12:VFD >> PMP-6951 POWER	
P-69-061	69E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: EF-6961 TO: MCC-PEA 3 #12 >> EF-6961 POWER	
P-69-062	69E05	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: EF-6962 TO: MCC-PEA 3 #12 >> EF-6962 POWER	
P-69-105	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: JB-6915 TO: VCP-6901 3 #12 >> MIX-6905 POWER	

CONDUIT SCHEDULE AREA 69

FILTER AND CHEMICAL FEED UPGRADES

PEA DRY FEED AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
P-69-115	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: JB-6915 TO: VCP-6901 3 #12 >> MIX-6915 POWER	
P-69-905	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: MIX-6905 TO: VCP-6901 3 #12 >> MIX-6905 POWER	
P-69-915	69E03	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: MIX-6915 TO: VCP-6901 3 #12 >> MIX-6915 POWER	
S-69-001	69E02	1"	4	2/CS-#16		1	#14	XHHW-2	FR: VCP-6901 TO: RTU-PEA 1 2/CS-#16 >> PIT-6906 SIGNAL 1 2/CS-#16 >> PDIT-6905 SIGNAL 1 2/CS-#16 >> PIT-6914 SIGNAL 1 2/CS-#16 >> PDIT-6915 SIGNAL	
S-69-011	69E02	1"	4	2/CS-#16		1	#14	XHHW-2	FR: JB-6911 TO: VCP-6901 2 2/CS-#16 >> SPARE 2 2/CS-#16 >> PIT-6914 SIGNAL	
S-69-015		0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: WIT-6915 TO: RTU-PEA 1 2/CS-#16 >> WIT-6915 SIGNAL	
S-69-101	69E02	1"	4	2/CS-#16		1	#14	XHHW-2	FR: JB-6901 TO: VCP-6901 2 2/CS-#16 >> SPARE 2 2/CS-#16 >> PIT-6906 SIGNAL	
S-69-105	69E03	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: JB-6905 TO: VCP-6901 2 2/CS-#16 >> SPARE	
S-69-115	69E03	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: JB-6915 TO: VCP-6901 2 2/CS-#16 >> SPARE	
S-69-505	69E03	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: WIT-6905 TO: RTU-PEA 1 2/CS-#16 >> WIT-6905 SIGNAL	
S-69-515	69E03	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: WIT-6915 TO: RTU-PEA 1 2/CS-#16 >> WIT-6915 SIGNAL	
S-69-606	69E03	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: LIT-6906 TO: VCP-6901 2 2/CS-#16 >> LIT-6901 SIGNAL	
S-69-710	69E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: LCP-7100 TO: RTU-PEA 2 2/CS-#16 >> LCP-7100 SIGNAL	

END OF CONDUIT SCHEDULE

END OF SECTION

SECTION 16990K

CONDUIT SCHEDULE AREA 71

PART 1 GENERAL

1.01 SUMMARY

- A. Conduit requirements:
 - 1. As defined in Section 16050 and Section 16130.
- B. Cable requirements and definitions:
 - 1. As defined in Section 16050 and Section 16123.
 - 2. 2/CS#16: 2 conductor, 16 gauge, twisted shielded pair.
 - 3. MFR: Manufacturer or vendor furnished cable.
 - 4. RS-485 RS-485 cable.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

3.01 CONDUIT SCHEDULE

- A. Conduit Schedule is presented on the following pages.

CONDUIT SCHEDULE AREA 71

FILTER AND CHEMICAL FEED UPGRADES

PEC AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-71-001	71E01	0.75"	6	#14	XHHW-2	1	#14	XHHW-2	FR: LCP-7100 TO: RTU-PEA 6 #14 >> LCP-7100 CONTROL	
C-71-002	71E02	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-7107 TO: RTU-PEA 10 #14 >> PMP-7107 CONTROL	
C-71-003	71E02	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-7106 TO: RTU-PEA 10 #14 >> PMP-7106 CONTROL	
C-71-004	71E01	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-7103 TO: RTU-PEA 8 #14 >> PMP-7103 CONTROL	
C-71-005	71E01	0.75"	8	#14	XHHW-2	1	#14	XHHW-2	FR: PMP-7104 TO: RTU-PEA 8 #14 >> PMP-7104 CONTROL	
C-71-006	71E02	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-7104 TO: RTU-PEA 2 #14 >> LSH-7104 CONTROL 2 #14 >> LSH-710424 VDC POWER	
C-71-007	71E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: LE-7105 TO: LIT-7105 1 MFR >> LE-7105 CONTROL	
C-71-008	71E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: WE-7105 TO: WIT-7105 1 MFR >> WE-7105 CONTROL	
C-71-009	71E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FSH-7116 TO: RTU-PEA 2 #14 >> FSH-7116 CONTROL	
C-71-010	71E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: MCC-PEA TO: RTU-PEA 2 #14 >> MCC-PEA CONTROL	
C-71-011	71E02	0.75"	1	MFR	CABLE	1	#14	XHHW-2	FR: WE-6211 TO: WIT-6211 1 MFR >> WE-6211 CONTROL	
C-71-103	71E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-7103 TO: RTU-PEA 2 #14 >> PISH-7103 CONTROL	
C-71-104	71E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-7104 TO: RTU-PEA 2 #14 >> PISH-7104 CONTROL	
C-71-106	71E02	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-7106 TO: RTU-PEA 2 #14 >> PISH-7106 CONTROL 2 #14 >> PISH-7106 24VDC POWER	
C-71-107	71E02	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-7107 TO: RTU-PEA 2 #14 >> PISH-7107 CONTROL 2 #14 >> PISH-7107 24VDC POWER	
C-71-108	71E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-7108 TO: RTU-PEA 2 #14 >> FIT-7108 24VDC CONTROL	
C-71-111	71E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: WIT-6211 TO: RTU-PEA 2 #14 >> WIT-6211 24VDC POWER	
C-71-113	71E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-7103 TO: FVNR-7103 2 #14 >> PISH-7103 CONTROL	
C-71-114	71E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: PISH-7104 TO: FVNR-7104 2 #14 >> PISH-7104 CONTROL	
C-71-203	71E01	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: LE-7103 TO: RTU-PEA 2 #14 >> LE-7103 CONTROL	

CONDUIT SCHEDULE AREA 71

FILTER AND CHEMICAL FEED UPGRADES

PEC AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
C-71-204	71E02	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6204 TO: RTU-PEA 10 #14 >> PMP-6204 CONTROL	
C-71-205	71E02	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6205 TO: RTU-PEA 10 #14 >> PMP-6205 CONTROL	
C-71-211	71E02	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6211 TO: RTU-PEA 10 #14 >> PMP-6211 CONTROL	
C-71-214	71E02	0.75"	4	#14	XHHW-2	1	#14	XHHW-2	FR: LSH-6214 TO: RTU-PEA 2 #14 >> LSH-6214 CONTROL 2 #14 >> LSH-6214 24VDC POWER 214	
C-71-215	71E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6215 TO: RTU-PEA 2 #14 >> FIT-6215 24VDC POWER	
C-71-216	71E02	0.75"	2	#14	XHHW-2	1	#14	XHHW-2	FR: FIT-6216 TO: RTU-PEA 2 #14 >> FIT-6216 24VDC POWER	
C-71-221	71E02	0.75"	10	#14	XHHW-2	1	#14	XHHW-2	FR: VCP-6221 TO: RTU-PEA 10 #14 >> PMP-6221 CONTROL	
L-71-001	71E01	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: LCP-7100 TO: RTU-PEA 2 #12 >> LCP-7100 POWER	
L-71-002	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-7107 TO: PNL-PEA 2 #12 >> PMP-7107 POWER	
L-71-003	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-7106 TO: PNL-PEA 2 #12 >> PMP-7106 POWER	
L-71-004	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: RTU-PEA TO: UPS-S 2 #12 12 RTU-PEA POWER	
L-71-005	71E02	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: RTU-PEA TO: PNL-PEA 3 #12 >> RTU-PEA POWER	
L-71-103	71E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-7103 TO: FVNR-7103 3 #12 >> PISH-7103 POWER	
L-71-104	71E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PISH-7104 TO: FVNR-7104 3 #12 >> PISH-7104 POWER	
L-71-203	71E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: LE-7103 TO: RTU-PEA 3 #12 >> LE-7103 POWER	
L-71-204	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6204 TO: PNL-PEA 2 #12 >> PMP-6204 POWER	
L-71-205	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6205 TO: PNL-PEA 2 #12 >> PMP-6205 POWER	
L-71-211	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6211 TO: PNL-PEA 2 #12 >> PMP-6211 POWER	
L-71-221	71E02	0.75"	2	#12	XHHW-2	1	#12	XHHW-2	FR: VCP-6221 TO: PNL-PEA 2 #12 >> PMP-6221 POWER	
N-71-001	71E02	0.75"	1		RS-485	1	#14	XHHW-2	FR: MCC-PEA TO: RTU-PEA 1 RS-485 >> MCC-PEA NETWORK	

February 2025

16990K-3

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990K (FS)

CONDUIT SCHEDULE AREA 71

FILTER AND CHEMICAL FEED UPGRADES

PEC AREA

ENGINEER

CK

REVISION

0

DATE

2/11/25

CONDUIT			CONDUCTORS			GROUND			DESCRIPTION	CONNECTING SEGMENTS
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE		
N-71-108	71E02	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-7108 TO: RTU-PEA 1 RS-485 >> FIT-7108 NETWORK	
N-71-215	71E02	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6215 TO: RTU-PEA 1 RS-485 >> FIT-6215 NETWORK	
N-71-216	71E02	0.75"	1		RS-485	1	#14	XHHW-2	FR: FIT-6216 TO: RTU-PEA 1 RS-485 >> FIT-6216 NETWORK	
P-71-001	71E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-7103 TO: MCC-PEA VIA FVNR-7103 3 #12 >> PMP-7103 POWER	
P-71-002	71E01	0.75"	3	#12	XHHW-2	1	#12	XHHW-2	FR: PMP-7104 TO: MCC-PEA VIA FVNR-7104 3 #12 >> PMP-7104 POWER	
P-71-003	71E02	1.5"	3	#2	XHHW-2	1	#8	XHHW-2	FR: PP-PEA TO: MCC-PEA 3 #2 >> PP-PEA POWER	
P-71-004	71E02	1.5"	3	#1/0	XHHW-2	1	#6	XHHW-2	FR: PNL-PEA TO: XFMR-PEA 3 #1/0 >> PNL-PEA POWER	
P-71-006	71E02	1.5"	3	#1/0	XHHW-2	1	#6	XHHW-2	FR: XFMR-PEA TO: MCC-PEA 3 #1/0 >> XFMR-PEA POWER	
P-71-007	71E02	2"	3	#4/0	XHHW-2	1	#4	XHHW-2	FR: MCC-PEA TO: MCC-B1 3 #4/0 >> MCC-PEA POWER	
S-71-001	71E01	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-7101 TO: RTU-PEA 1 2/CS-#16 >> LIT-7101 SIGNAL	
S-71-002	71E01	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-7102 TO: RTU-PEA 1 2/CS-#16 >> LIT-7102 SIGNAL	
S-71-003	71E01	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: LCP-7100 TO: RTU-PEA 2 2/CS-#16 >> LCP-7100 SIGNAL	
S-71-004	71E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VCP-7107 TO: RTU-PEA 2 2/CS-#16 >> PMP-7107 SIGNAL	
S-71-005	71E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VCP-7106 TO: RTU-PEA 2 2/CS-#16 >> PMP-7106 SIGNAL	
S-71-006	71E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-7105 TO: RTU-PEA 1 2/CS-#16 >> LIT-7105 SIGNAL	
S-71-007	71E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: WIT-7105 TO: RTU-PEA 1 2/CS-#16 >> WIT-7105 SIGNAL	
S-71-011	71E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: LIT-6211 TO: RTU-PEA 1 2/CS-#16 >> LIT-6211 SIGNAL	
S-71-111	71E02	0.75"	1	2/CS-#16		1	#14	XHHW-2	FR: WIT-6211 TO: RTU-PEA 1 2/CS-#16 >> WIT-6211 SIGNAL	
S-71-204	71E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VCP-6204 TO: RTU-PEA 2 2/CS-#16 >> PMP-6204 SIGNAL	
S-71-205	71E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VCP-6205 TO: RTU-PEA 2 2/CS-#16 >> PMP-6205 SIGNAL	
S-71-211	71E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VCP-6211 TO: RTU-PEA 2 2/CS-#16 >> PMP-6211 SIGNAL	

February 2025

16990K-4

202001

pw://Carollo/Documents/UT/JVWCD/202001-100000/04 Design/04 Specs/Carollo/16990K (FS)

CONDUIT SCHEDULE AREA 71									ENGINEER	CK
FILTER AND CHEMICAL FEED UPGRADES									REVISION	0
PEC AREA									DATE	2/11/25
CONDUIT			CONDUCTORS			GROUND				
NUMBER	DWG	SIZE	#	SIZE	TYPE	#	SIZE	TYPE	DESCRIPTION	CONNECTING SEGMENTS
S-71-221	71E02	0.75"	2	2/CS-#16		1	#14	XHHW-2	FR: VCP-6221 TO: RTU-PEA	
									2 2/CS-#16 >> PMP-6221 SIGNAL	

END OF CONDUIT SCHEDULE

END OF SECTION