

SAVED: 3/7/2022 8:06:19 AM BY BEN CHAPLIN  
 PLOTTED: 3/9/2022 1:55:17 PM BY BEN CHAPLIN  
 U:\WICHITA-CIVIL\2021\217043\08ELEC\DRAWINGS\E602 CONTROLS SCHEMATIC AND SCHEDULE.DWG

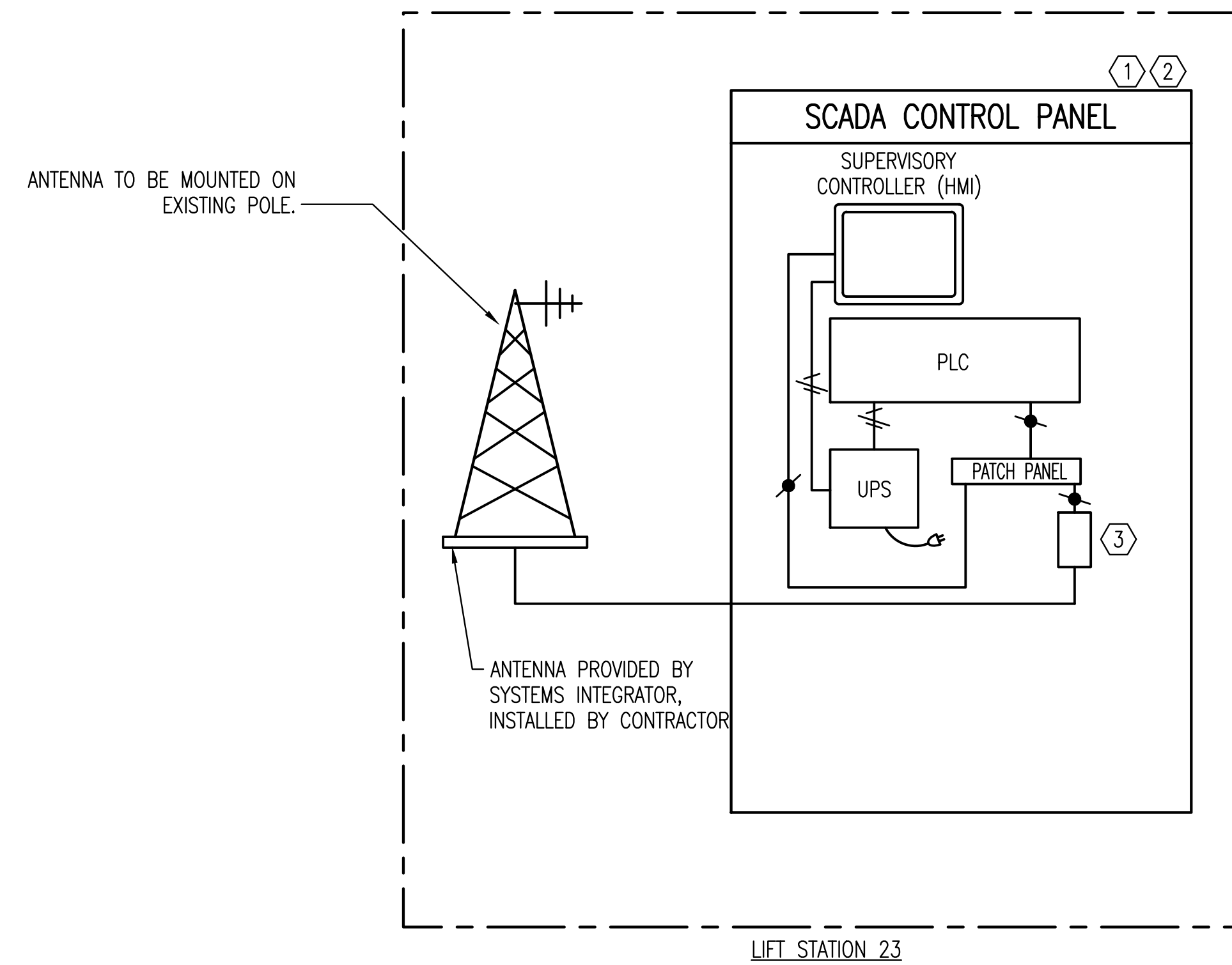
SCADA CONTROL PANEL										LOCATION: LIFT STATION		
CIRCUIT NO.	EQUIPMENT SERVED/ MARK	CONNECT			DESCRIPTION/FUNCTION	CONDUCTORS IN CABLE	DISCRETE	ANALOG	DIGITAL	INPUT	OUTPUT	REMARKS
		DEVICE	CTL. PNL	STARTER								
1	GEN-1	-	X	-	GENSET READY	2	X	-	-	X	-	FROM GENERATOR CONTROL PANEL AT UNIT
2	GEN-1	-	X	-	GENSET RUNNING	2	X	-	-	X	-	FROM GENERATOR CONTROL PANEL AT UNIT
3	GEN-1	-	X	-	GENSET FAIL	2	X	-	-	X	-	FROM GENERATOR CONTROL PANEL AT UNIT
4	GEN-1	-	X	-	GENSET LOW FUEL PRESSURE	2	X	-	-	X	-	FROM GENERATOR CONTROL PANEL AT UNIT
5	GEN-1	-	X	-	GENERATOR BREAKER STATUS	2	X	-	-	X	-	FROM GENERATOR CONTROL PANEL AT UNIT
6	ATS	-	X	-	ATS POSITION	2	X	-	X	X	-	FROM ATS
7	CP	-	X	-	FAULT ALARM	2	X	-	-	X	-	FROM CP

CONTROL PANEL NOTES:

1. CONDUIT FOR ANALOG CABLES SHALL TERMINATE IN EQUIPMENT ENCLOSURE AS CLOSE AS POSSIBLE TO THE TERMINALS. ANALOG CABLES SHALL NOT PASS NEAR TO CABLES OR EQUIPMENT OPERATING OVER 24V.
2. INTERNAL AND EXTERNAL I/O SHALL BE LANDED ON TERMINAL STRIPS.
3. I/O IDENTIFIED ON CONTROL DIAGRAM SHEETS ARE FOR INPUTS AND OUTPUTS EXTERNAL TO THE EQUIPMENT CONTROL PANEL. I/O NECESSARY FOR THE COMPLETE FUNCTIONALITY OF THE EQUIPMENT (INTERNAL I/O) SHALL BE PROVIDED BY THE EQUIPMENT MANUFACTURER. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL CONDUIT AND WIRING AS REQUIRED FOR COMPLETE FUNCTIONALITY OF EQUIPMENT AS SPECIFIED AND AS IDENTIFIED BY THE MANUFACTURER. COORDINATE FIELD WIRING REQUIREMENTS WITH EQUIPMENT MANUFACTURER.

KEY NOTES:

- ① BY SYSTEMS INTEGRATOR.
- ② CONTROL PANEL SHALL BE PROVIDED WITH AN ETHERNET PORT FOR CONNECTION OF A LAPTOP COMPUTER.
- ③ RADIO MODEM.



SANITARY SEWER IMPROVEMENTS  
**LIFT STATION NO. 23**  
 AT  
 W. 37TH STREET N AND PORTER AVE.  
 GARY JANZEN, P.E. - CITY ENGINEER  
 CITY OF WICHITA PROJECT NO. 468-2020-019218 S0015

Issue:		

JOB NO.	217043-008
DATE	MARCH 2022
PM	RWW
DESIGNED BY	DCG
DRAWN BY	BAC
CHECKED BY	RWW

CONTROLS SCHEMATIC AND SCHEDULE

E602

**A** **CONTROLS SCHEMATIC AND SCHEDULE**  
 NOT TO SCALE