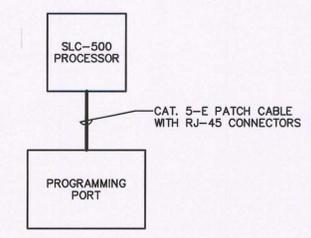


**SANITARY WASTEWATER LIFT STATION
 CONTROL PANEL BILL OF MATERIALS**

TAG #	QTY.	PART #	MANUFACTURER	DESCRIPTION
1	1	A48H3612SSLP3PT	HOFFMAN	WALL-MOUNT, NEMA 4X, 304 STAINLESS STEEL, 48"X36"X12" ENCLOSURE
	1	A48P36G		CONDUCTIVE SUBPLATE FOR THE ENCLOSURE
	2	AVK34SS6		4.75" X 4.5" 316 STAINLESS STEEL LOUVER
	2	AFLT34		4.09" X 3.25" FILTER FOR LOUVER PLATE KIT
	2	T4S3RSS		TYPE 3R STAINLESS STEEL SHROUD KIT
2	1	DP-RJ45-5R-32	MENCOM	NEMA 4 PROGRAMMING PORT WITH DUPLEX RECEPTACLE AND RJ-45 CONNECTOR
3	8	800TC-QTH10A	ALLEN-BRADLEY	BULLETIN 800T 30.5mm, FULL-VOLTAGE LED, PUSH-TO-TEST PILOT LIGHT WITH AMBER LENS AND FINGER-SAFE TERMINALS
	4	800TC-QTH10G		BULLETIN 800T 30.5mm, FULL-VOLTAGE LED, PUSH-TO-TEST PILOT LIGHT WITH GREEN LENS AND FINGER-SAFE TERMINALS
4	3	800TC-A2A	ALLEN-BRADLEY	BULLETIN 800T 30.5mm, MOMENTARY CONTACT, NON-ILLUMINATED PUSH BUTTON UNIT WITH FLUSH HEAD BLACK OPERATOR AND FINGER-SAFE TERMINALS
	2	800TC-A1A		BULLETIN 800T 30.5mm, MOMENTARY CONTACT, NON-ILLUMINATED PUSH BUTTON UNIT WITH FLUSH HEAD GREEN OPERATOR AND FINGER-SAFE TERMINALS
5	2	800TC-J2B	ALLEN-BRADLEY	BULLETIN 800T 30.5mm, THREE-POSITION, MAINTAINED CONTACT SELECTOR SWITCH UNIT WITH FINGER-SAFE TERMINALS
6	1	HSP-121A	EDCO	120VAC - SINGLE-PHASE SURGE ARRESTOR
7	AS REQD. +20% SPARE	1492-HM3 1492-NM36 1492-N23	ALLEN-BRADLEY	FINGER-SAFE TERMINAL BLOCKS WITH END BARRIER WITH HEAVY DUTY END ANCHORS
8	AS REQD.	CHM1DI	BUSSMANN	FINGER-SAFE FUSEBLOCKS WITH BLOWN FUSE INDICATION FURNISH WITH ASSOCIATED "CC" TYPE FUSE, SIZE AS REQUIRED
9	3	700-P400A1	ALLEN-BRADLEY	4-POLE, 10 AMP CONTACT, INDUSTRIAL GRADE CONTROL RELAY WITH FINGER-SAFE TERMINALS (700-PFSACT AND 700-PFSACC)
	4	700-N5		SURGE ARRESTOR (RC-CIRCUIT)
10	1	1746-A7	ALLEN-BRADLEY	7-SLOT I/O CHASSIS FOR SLC-500 CONTROLLER AND MODULES
	1	1746-P2		SLC-5/05 POWER SUPPLY - 5A BACKPLANE CURRENT
	1	1747-L552		SLC-5/05 PROGRAMMABLE LOGIC CONTROLLER PROCESSOR
	1	1746-NI8		8-POINT ANALOG INPUT MODULE
	2	1746-IA16		16-POINT 120VAC DISCRETE INPUT MODULE
	3	1746-0XB		8-POINT CHANNEL-TO-CHANNEL ISOLATED RELAY OUTPUT MODULE
11	2	PI/Ex-ME-2NAM-COC-120VDC	PHOENIX CONTACT	DUAL CHANNEL DIGITAL INPUT WITH RELAY OUTPUTS (120VAC) INTRINSIC SAFETY RELAY
12	1	DAH1001A	HOFFMANN	100W PANEL HEATER WITH INTEGRAL THERMOSTAT
13	AS REQD.	199-DR1	ALLEN-BRADLEY	ZINC PLATED, YELLOW-CHROMATE STEEL DIN RAIL
14	AS REQD.	G2X2LG6	PANDUIT	2.25" x 2.12" LIGHT GRAY, WIDE FINGER, SLOTTED WRING DUCT WITH C2LG6 COVER
15	AS REQD.	G1X2LG6	PANDUIT	1.26" x 2.12" LIGHT GRAY, WIDE FINGER, SLOTTED WRING DUCT WITH C1LG6 COVER



COMMUNICATION RISER

06-18-08	NMCCD
05-28-08	OWNER REVIEW
04-10-08	OWNER REVIEW
DATE	ADDITIONS AND/OR REVISIONS
DESIGNED	T.W.H.
DRAWN	T.W.H.
CHECKED	K.L.C.
APPROVED	M.A.O.



FIELD INSTRUMENTATION BILL OF MATERIALS

(A COPY OF THE MANUFACTURER'S CONFIGURATION SOFTWARE AND ANY NECESSARY CABLES SHALL BE PROVIDED TO THE OWNER, FOR USE IN CALIBRATING THE FLOW/LEVEL TRANSMITTER INSTRUMENTS. IF SOFTWARE IS NOT AVAILABLE, THEN TWO (2) HANDHELD CONFIGURATORS SHALL BE PROVIDED TO THE OWNER)

TAG #	QTY.	PART #	MANUFACTURER	DESCRIPTION
LE-808	1	dB3	PULSAR	ULTRASONIC TRANSDUCER WITH 0.4 TO 10 FT. RANGE
LIT-806	1	ULTRA 3		SINGLE-CHANNEL LEVEL INDICATING TRANSMITTER (NEMA 4 WALL-MOUNT)
LE-815/ LE-822	2	dB15		ULTRASONIC TRANSDUCER WITH 1.6 TO 50 FT. RANGE
LIT-813/820	1	ULTRATWN		DUAL-CHANNEL LEVEL INDICATING TRANSMITTER (NEMA 4 WALL-MOUNT)
FIT-827	1	8705-N-S-A-060-S-1-WO-E5-G1-L1	ROSEMOUNT	NEMA 4 PROGRAMMING PORT WITH DUPLEX RECEPTACLE AND RJ-45 CONNECTOR
FIT-827	1	8712H-R-12-NO-M4		FLOW INDICATING TRANSMITTER

WESTERN REFINING - GALLUP

SANITARY WASTEWATER LIFT STATION

JAMESTOWN NEW MEXICO 87347

**INSTRUMENTATION & CONTROLS
 LIFT STATION CONTROL PANEL
 BILL OF MATERIALS**

HRC JOB NO. 20070465	SCALE NONE
DATE JANUARY 2008	SHEET NO. 1-3

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