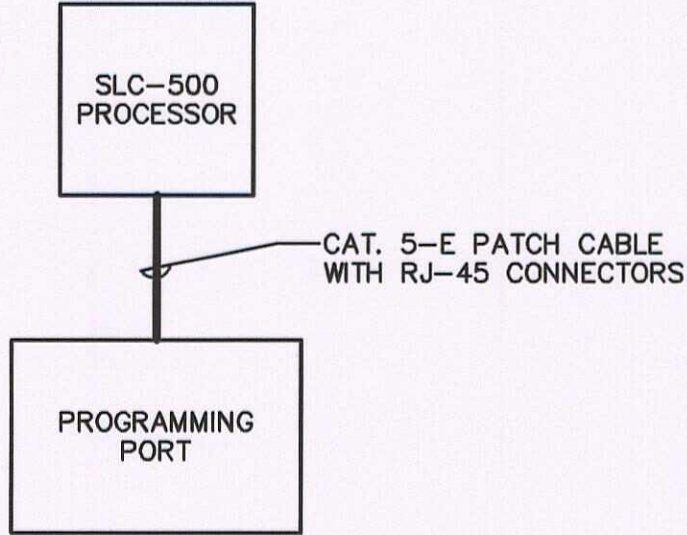


| SANITARY WASTEWATER LIFT STATION<br>CONTROL PANEL BILL OF MATERIALS |                        |                                   |                 |  |
|---|------------------------|-----------------------------------|-----------------|--|
| TAG #   | QTY.                   | PART #                            | 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.<br>+20% SPARE | 1492-HM3<br>1492-NM3S<br>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-ZNAM-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   |

| 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/<br>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-N0-M4               |              | FLOW INDICATING TRANSMITTER  |



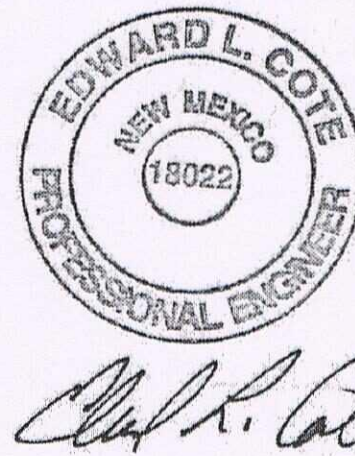
COMMUNICATION RISER



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|          |                            |
|----------|----------------------------|
| 06-18-08 | NMOCD                      |
| 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.                     |



WESTERN REFINING - GALLUP

SANITARY  
WASTEWATER  
LIFT STATION

JAMESTOWN NEW MEXICO 87347

INSTRUMENTATION & CONTROLS  
LIFT STATION CONTROL PANEL  
BILL OF MATERIALS

|                         |                  |
|-------------------------|------------------|
| HRC JOB NO.<br>20070465 | SCALE<br>NONE    |
| DATE<br>JANUARY 2008    | SHEET NO.<br>1-3 |

GW - 32

Maps