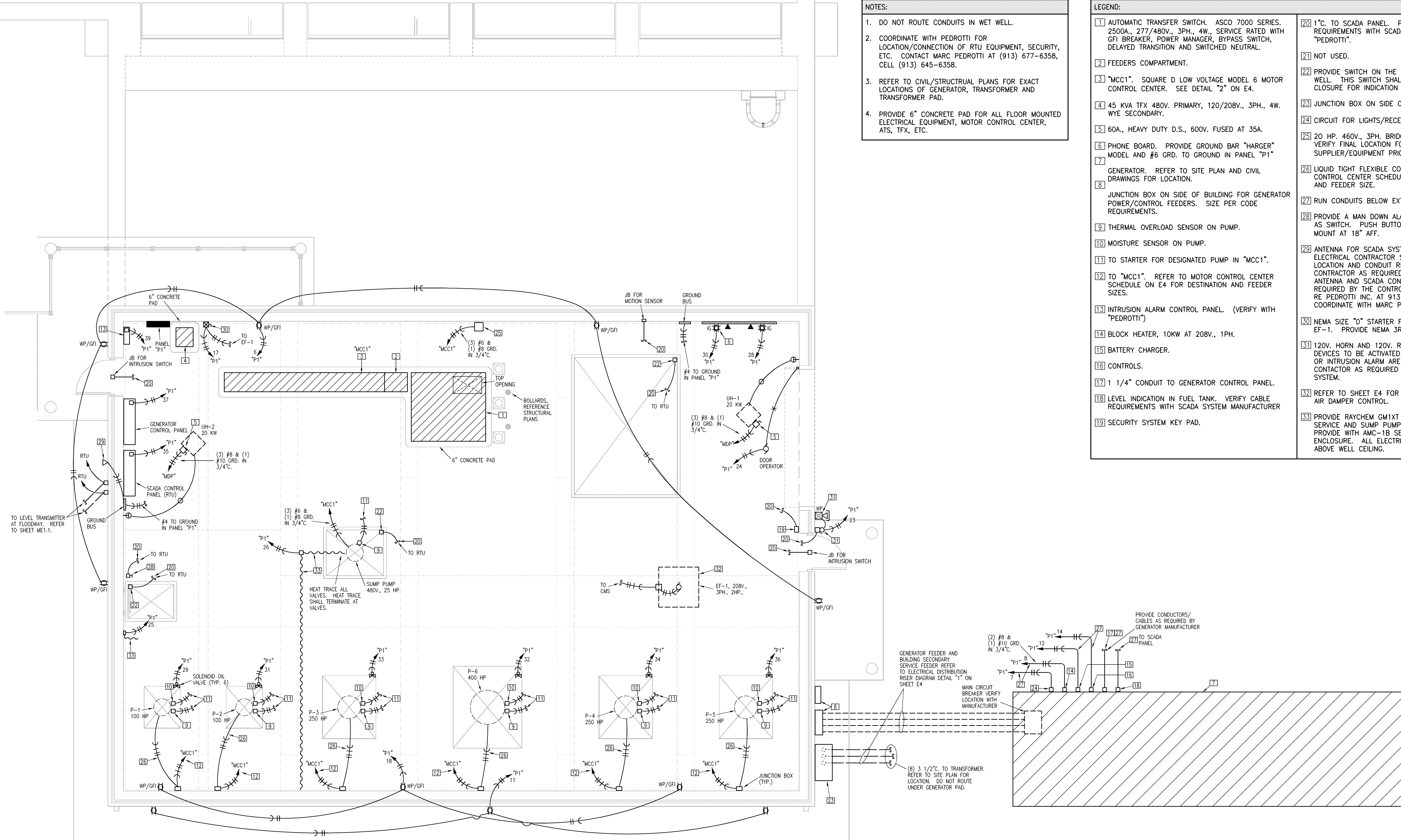


- NOTES:**
- DO NOT ROUTE CONDUITS IN WET WELL.
 - COORDINATE WITH PEDROTTI FOR LOCATION/CONNECTION OF RTU EQUIPMENT, SECURITY, ETC. CONTACT MARC PEDROTTI AT (913) 677-6358, CELL (913) 645-6358.
 - REFER TO CIVIL/STRUCTURAL PLANS FOR EXACT LOCATIONS OF GENERATOR, TRANSFORMER AND TRANSFORMER PAD.
 - PROVIDE 6" CONCRETE PAD FOR ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT, MOTOR CONTROL CENTER, ATS, TFX, ETC.

- LEGEND:**
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| <p>1 AUTOMATIC TRANSFER SWITCH. ASCO 7000 SERIES. 2500A., 277/480V., 3PH., 4W., SERVICE RATED WITH GFI BREAKER, POWER MANAGER, BYPASS SWITCH, DELAYED TRANSITION AND SWITCHED NEUTRAL.</p> <p>2 FEEDERS COMPARTMENT.</p> <p>3 "MCC1". SQUARE D LOW VOLTAGE MODEL 6 MOTOR CONTROL CENTER. SEE DETAIL "2" ON E4.</p> <p>4 45 KVA TFX 480V. PRIMARY, 120/208V., 3PH., 4W. WYE SECONDARY.</p> <p>5 60A., HEAVY DUTY D.S., 600V. FUSED AT 35A.</p> <p>6 PHONE BOARD. PROVIDE GROUND BAR "HARGER" MODEL AND #6 GRD. TO GROUND IN PANEL "P1"</p> <p>7 GENERATOR. REFER TO SITE PLAN AND CIVIL DRAWINGS FOR LOCATION.</p> <p>8 JUNCTION BOX ON SIDE OF BUILDING FOR GENERATOR POWER/CONTROL FEEDERS. SIZE PER CODE REQUIREMENTS.</p> <p>9 THERMAL OVERLOAD SENSOR ON PUMP.</p> <p>10 MOISTURE SENSOR ON PUMP.</p> <p>11 TO STARTER FOR DESIGNATED PUMP IN "MCC1".</p> <p>12 TO "MCC1". REFER TO MOTOR CONTROL CENTER SCHEDULE ON E4 FOR DESTINATION AND FEEDER SIZES.</p> <p>13 INTRUSION ALARM CONTROL PANEL. (VERIFY WITH "PEDROTTI")</p> <p>14 BLOCK HEATER, 10KW AT 208V., 1PH.</p> <p>15 BATTERY CHARGER.</p> <p>16 CONTROLS.</p> <p>17 1 1/4" CONDUIT TO GENERATOR CONTROL PANEL.</p> <p>18 LEVEL INDICATION IN FUEL TANK. VERIFY CABLE REQUIREMENTS WITH SCADA SYSTEM MANUFACTURER</p> <p>19 SECURITY SYSTEM KEY PAD.</p> | <p>20 1" C. TO SCADA PANEL. PROVIDE CABLE VERIFY REQUIREMENTS WITH SCADA SYSTEM MANUFACTURE "PEDROTTI".</p> <p>21 NOT USED.</p> <p>22 PROVIDE SWITCH ON THE FLOOR HATCH TO THE WET WELL. THIS SWITCH SHALL PROVIDE A CONTACT CLOSURE FOR INDICATION AT THE PUMP STATION RTU.</p> <p>23 JUNCTION BOX ON SIDE OF BUILDING.</p> <p>24 CIRCUIT FOR LIGHTS/RECEPTACLES.</p> <p>25 20 HP. 460V., 3PH. BRIDGE CRANE CONNECTION. VERIFY FINAL LOCATION FOR CONNECTION WITH SUPPLIER/EQUIPMENT PRIOR TO ROUGH-IN.</p> <p>26 LIQUID TIGHT FLEXIBLE CONDUIT. REFER TO MOTOR CONTROL CENTER SCHEDULE ON E4 FOR DESIGNATION AND FEEDER SIZE.</p> <p>27 RUN CONDUITS BELOW EXTERIOR SLAB.</p> <p>28 PROVIDE A MAN DOWN ALARM PUSH BUTTON. LABEL AS SWITCH. PUSH BUTTON SHALL BE WATER TIGHT. MOUNT AT 18" AFF.</p> <p>29 ANTENNA FOR SCADA SYSTEM PANELBOARD. ELECTRICAL CONTRACTOR SHALL COORDINATE FINAL LOCATION AND CONDUIT REQUIREMENT WITH CONTROL CONTRACTOR AS REQUIRED. PROVIDE GROUNDING FOR ANTENNA AND SCADA CONTROL PANELBOARD AS REQUIRED BY THE CONTROL CONTRACTOR. CONTACT RE PEDROTTI INC. AT 913-645-6358 AND COORDINATE WITH MARC PEDROTTI.</p> <p>30 NEMA SIZE "0" STARTER FUSED AT 15 AMP FOR EF-1. PROVIDE NEMA 3R. ENCLOSURE.</p> <p>31 120V. HORN AND 120V. RED FLASHING LIGHT. DEVICES TO BE ACTIVATED WHEN MAN DOWN ALARM OR INTRUSION ALARM ARE ACTIVATED. PROVIDE CONTACTOR AS REQUIRED TO CONNECT TO SECURITY SYSTEM.</p> <p>32 REFER TO SHEET E4 FOR EXHAUST FAN AND OUTSIDE AIR DAMPER CONTROL.</p> <p>33 PROVIDE RAYCHEM GM1XT HEAT TRACE FOR WATER SERVICE AND SUMP PUMP DISCHARGE PIPING. PROVIDE WITH AMC-1B SENSOR IN NEMA 4X ENCLOSURE. ALL ELECTRICAL CONNECTIONS SHALL BE ABOVE WELL CEILING.</p> |
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1 PUMP STATION FLOOR PLAN
1/4"=1'-0" POWER



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CITY OF WICHITA, KANSAS
PUMP STATION NO. 11

MECHANICAL

PUMP STATION FLOOR PLAN - POWER

CFS
Cook, Flatt & Strobel
ENGINEERS, P.A.
DESIGNED AKK SCALE As Shown
DETAILED CAD DATE 3/11/10
CHECKED AKK SHEET E1 OF 5