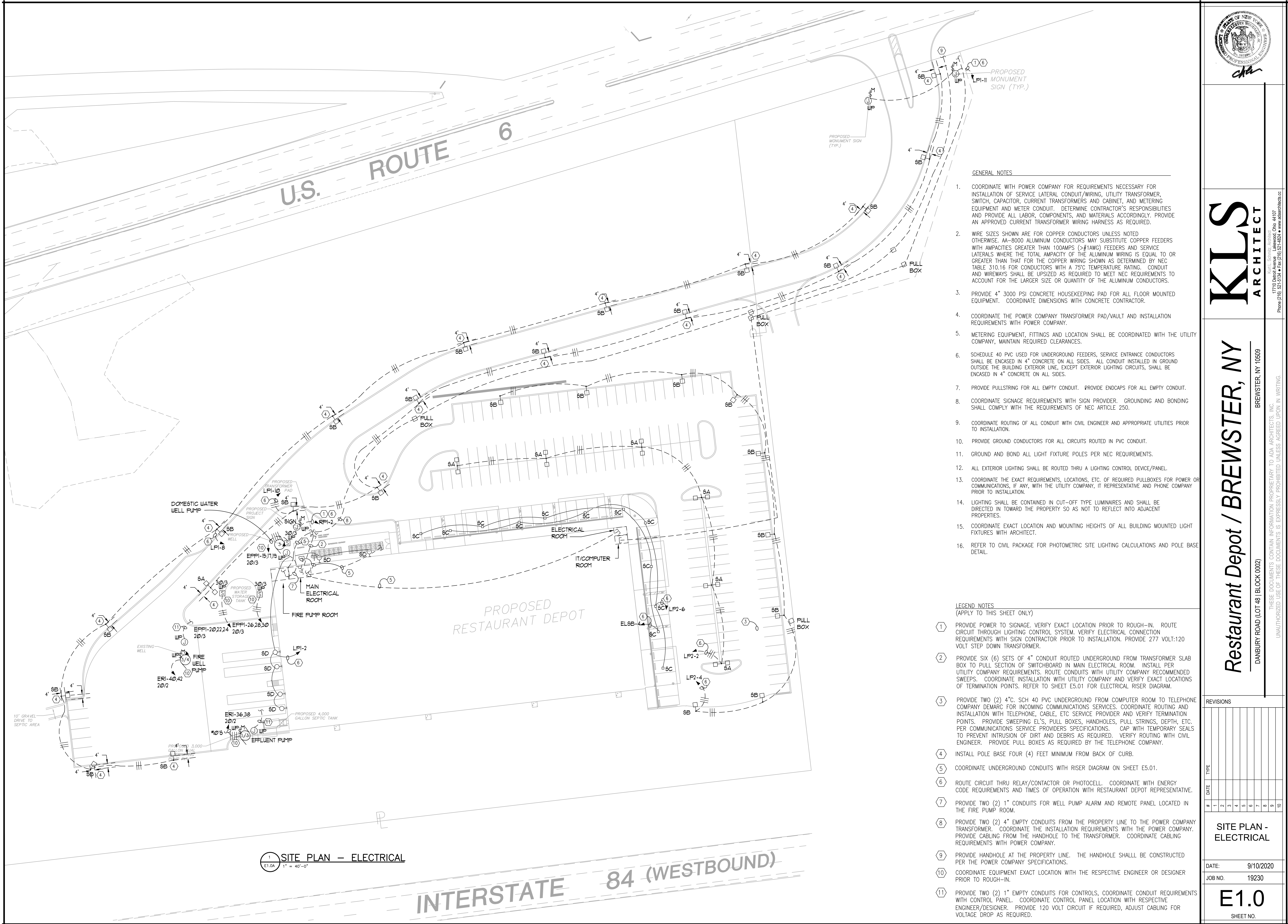




- GENERAL NOTES
- COORDINATE WITH POWER COMPANY FOR REQUIREMENTS NECESSARY FOR INSTALLATION OF SERVICE LATERAL CONDUIT/WIRING, UTILITY TRANSFORMER, SWITCH, CAPACITOR, CURRENT TRANSFORMERS AND CABINET, AND METERING EQUIPMENT AND METER CONDUIT. DETERMINE CONTRACTOR'S RESPONSIBILITIES AND PROVIDE ALL LABOR, COMPONENTS, AND MATERIALS ACCORDINGLY. PROVIDE AN APPROVED CURRENT TRANSFORMER WIRING HARNESS AS REQUIRED.
 - WIRE SIZES SHOWN ARE FOR COPPER CONDUCTORS UNLESS NOTED OTHERWISE. AA-8000 ALUMINUM CONDUCTORS MAY SUBSTITUTE COPPER FEEDERS WITH AMPACITIES GREATER THAN 100AMPS (>#1AWG) FEEDERS AND SERVICE LATERALS WHERE THE TOTAL AMPACITY OF THE ALUMINUM WIRING IS EQUAL TO OR GREATER THAN THAT FOR THE COPPER WIRING SHOWN AS DETERMINED BY NEC TABLE 310.16 FOR CONDUCTORS WITH A 75°C TEMPERATURE RATING. CONDUIT AND WIREWAYS SHALL BE UPSIZED AS REQUIRED TO MEET NEC REQUIREMENTS TO ACCOUNT FOR THE LARGER SIZE OR QUANTITY OF THE ALUMINUM CONDUCTORS.
 - PROVIDE 4" 3000 PSI CONCRETE HOUSEKEEPING PAD FOR ALL FLOOR MOUNTED EQUIPMENT. COORDINATE DIMENSIONS WITH CONCRETE CONTRACTOR.
 - COORDINATE THE POWER COMPANY TRANSFORMER PAD/VAULT AND INSTALLATION REQUIREMENTS WITH POWER COMPANY.
 - METERING EQUIPMENT, FITTINGS AND LOCATION SHALL BE COORDINATED WITH THE UTILITY COMPANY, MAINTAIN REQUIRED CLEARANCES.
 - SCHEDULE 40 PVC USED FOR UNDERGROUND FEEDERS, SERVICE ENTRANCE CONDUCTORS SHALL BE ENCASED IN 4" CONCRETE ON ALL SIDES. ALL CONDUIT INSTALLED IN GROUND OUTSIDE THE BUILDING EXTERIOR LINE, EXCEPT EXTERIOR LIGHTING CIRCUITS, SHALL BE ENCASED IN 4" CONCRETE ON ALL SIDES.
 - PROVIDE PULLSTRING FOR ALL EMPTY CONDUIT. PROVIDE ENDCAPS FOR ALL EMPTY CONDUIT.
 - COORDINATE SIGNAGE REQUIREMENTS WITH SIGN PROVIDER. GROUNDING AND BONDING SHALL COMPLY WITH THE REQUIREMENTS OF NEC ARTICLE 250.
 - COORDINATE ROUTING OF ALL CONDUIT WITH CIVIL ENGINEER AND APPROPRIATE UTILITIES PRIOR TO INSTALLATION.
 - PROVIDE GROUND CONDUCTORS FOR ALL CIRCUITS ROUTED IN PVC CONDUIT.
 - GROUND AND BOND ALL LIGHT FIXTURE POLES PER NEC REQUIREMENTS.
 - ALL EXTERIOR LIGHTING SHALL BE ROUTED THRU A LIGHTING CONTROL DEVICE/PANEL.
 - COORDINATE THE EXACT REQUIREMENTS, LOCATIONS, ETC. OF REQUIRED PULLBOXES FOR POWER OR COMMUNICATIONS, IF ANY, WITH THE UTILITY COMPANY, IT REPRESENTATIVE AND PHONE COMPANY PRIOR TO INSTALLATION.
 - LIGHTING SHALL BE CONTAINED IN CUT-OFF TYPE LUMINAIRES AND SHALL BE DIRECTED IN TOWARD THE PROPERTY SO AS NOT TO REFLECT INTO ADJACENT PROPERTIES.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS OF ALL BUILDING MOUNTED LIGHT FIXTURES WITH ARCHITECT.
 - REFER TO CIVIL PACKAGE FOR PHOTOMETRIC SITE LIGHTING CALCULATIONS AND POLE BASE DETAIL.

- LEGEND NOTES
(APPLY TO THIS SHEET ONLY)
- PROVIDE POWER TO SIGNAGE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN. ROUTE CIRCUIT THROUGH LIGHTING CONTROL SYSTEM. VERIFY ELECTRICAL CONNECTION REQUIREMENTS WITH SIGN CONTRACTOR PRIOR TO INSTALLATION. PROVIDE 277 VOLT:120 VOLT STEP DOWN TRANSFORMER.
 - PROVIDE SIX (6) SETS OF 4" CONDUIT ROUTED UNDERGROUND FROM TRANSFORMER SLAB BOX TO PULL SECTION OF SWITCHBOARD IN MAIN ELECTRICAL ROOM. INSTALL PER UTILITY COMPANY REQUIREMENTS. ROUTE CONDUITS WITH UTILITY COMPANY RECOMMENDED SWEEPS. COORDINATE INSTALLATION WITH UTILITY COMPANY AND VERIFY EXACT LOCATIONS OF TERMINATION POINTS. REFER TO SHEET E5.01 FOR ELECTRICAL RISER DIAGRAM.
 - PROVIDE TWO (2) 4" SCH 40 PVC UNDERGROUND FROM COMPUTER ROOM TO TELEPHONE COMPANY DEMARC FOR INCOMING COMMUNICATIONS SERVICES. COORDINATE ROUTING AND INSTALLATION WITH TELEPHONE, CABLE, ETC SERVICE PROVIDER AND VERIFY TERMINATION POINTS. PROVIDE SWEEPING EL'S, PULL BOXES, HANDHOLES, PULL STRINGS, DEPTH, ETC. PER COMMUNICATIONS SERVICE PROVIDERS SPECIFICATIONS. CAP WITH TEMPORARY SEALS TO PREVENT INTRUSION OF DIRT AND DEBRIS AS REQUIRED. VERIFY ROUTING WITH CIVIL ENGINEER. PROVIDE PULL BOXES AS REQUIRED BY THE TELEPHONE COMPANY.
 - INSTALL POLE BASE FOUR (4) FEET MINIMUM FROM BACK OF CURB.
 - COORDINATE UNDERGROUND CONDUITS WITH RISER DIAGRAM ON SHEET E5.01.
 - ROUTE CIRCUIT THRU RELAY/CONTACTOR OR PHOTOCCELL. COORDINATE WITH ENERGY CODE REQUIREMENTS AND TIMES OF OPERATION WITH RESTAURANT DEPOT REPRESENTATIVE.
 - PROVIDE TWO (2) 1" CONDUITS FOR WELL PUMP ALARM AND REMOTE PANEL LOCATED IN THE FIRE PUMP ROOM.
 - PROVIDE TWO (2) 4" EMPTY CONDUITS FROM THE PROPERTY LINE TO THE POWER COMPANY TRANSFORMER. COORDINATE THE INSTALLATION REQUIREMENTS WITH THE POWER COMPANY. PROVIDE CABLING FROM THE HANDHOLE TO THE TRANSFORMER. COORDINATE CABLING REQUIREMENTS WITH POWER COMPANY.
 - PROVIDE HANDHOLE AT THE PROPERTY LINE. THE HANDHOLE SHALL BE CONSTRUCTED PER THE POWER COMPANY SPECIFICATIONS.
 - COORDINATE EQUIPMENT EXACT LOCATION WITH THE RESPECTIVE ENGINEER OR DESIGNER PRIOR TO ROUGH-IN.
 - PROVIDE TWO (2) 1" EMPTY CONDUITS FOR CONTROLS, COORDINATE CONDUIT REQUIREMENTS WITH CONTROL PANEL. COORDINATE CONTROL PANEL LOCATION WITH RESPECTIVE ENGINEER/DESIGNER. PROVIDE 120 VOLT CIRCUIT IF REQUIRED, ADJUST CABLING FOR VOLTAGE DROP AS REQUIRED.

KLS
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SITE PLAN - ELECTRICAL

DATE: 9/10/2020
JOB NO. 19230

E1.0

SHEET NO.