

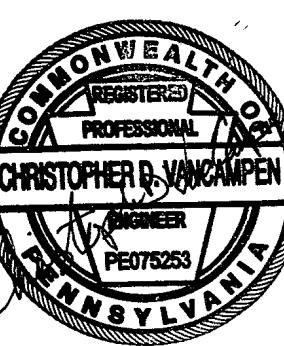
SITE PLAN - ELECTRICAL
SCALE: 1" = 40'-0"

DRAWING NOTES:

- EXISTING AERIAL 15 KV ELECTRIC SERVICE CABLES AND TELEPHONE SERVICE CABLE TO REMAIN. BLUE RIDGE CABLE COMPANY TO REMOVE EXISTING CABLE TELEVISION SERVICE CABLE.
- REMOVE EXISTING AERIAL ELECTRIC SERVICE CABLES, TELEPHONE SERVICE CABLE AND TELEVISION SERVICE CABLE WHEN PHASING ALLOWS.
- PROVIDE (2)-4" SCH. 40 PVC CONDUITS CONCRETE ENCASED MIN. 36" BFG. SEE DUCT BANK DETAIL SECTION "A-A" ON DRAWING E-2. ALL EXCAVATION AND BACKFILL BY E.C. PER PP&L REQUIREMENTS. PRIMARY SERVICE CABLES PROVIDED BY PP&L. COORDINATE ALL WORK WITH PP&L.
- PROVIDE (2)-4" SCH. 40 PVC CONDUITS CONCRETE ENCASED MIN. 36" BFG. SEE DUCT BANK DETAIL SECTION "B-B" ON DRAWING E-2. ALL EXCAVATION AND BACKFILL BY E.C. PROVIDE 3 #4/0 15 KV RATED CABLES WITH 1 #2 600V RATED GROUND IN EACH CONDUIT. INTERCEPT EXISTING UNDERGROUND SERVICE CONDUITS AND PROVIDE REQUIRED CONNECTORS/COUPLINGS TO MATE NEW CONDUIT DUCT BANK TO EXISTING CONDUITS.
- EXISTING UNDERGROUND PRIMARY ELECTRIC SERVICES IN 4" CONDUITS TO DENVER ELEM. AND MIDDLE SCHOOL BUILDINGS VIA MANHOLE. REMOVE EXISTING SERVICE CABLES (SERVING MIDDLE SCHOOL AND DENVER ELEM.) AND REPLACE WITH 3 #4/0 15 KV RATED CABLES WITH 1 #2 600V RATED GROUND IN EACH EXISTING CONDUIT TO SERVE BOTH BUILDINGS. COORDINATE ALL WORK WITH OWNER.
- PROVIDE (1)-4" SCH. 40 PVC CONDUIT DIRECT BURIED MIN. 36" BFG FOR NEW TELEPHONE SERVICE TO BUILDING. NEW SERVICE CABLE BY WINDSTREAM. ALL EXCAVATION AND BACKFILL BY E.C. PER WINDSTREAM REQUIREMENTS. COORDINATE WORK WITH WINDSTREAM.
- EXISTING UNDERGROUND TELEPHONE AND CABLE TELEVISION SERVICES IN (1)-4" CONDUIT TO DENVER ELEM. BUILDING VIA MANHOLE TO REMAIN. EXISTING CABLE TELEVISION SERVICE TO BE ABANDONED IN PLACE UNDERGROUND.
- EXISTING UNDERGROUND PRIMARY ELECTRIC SERVICE WITH (2)-4" CONDUITS (1 USED, 1 SPARE) TO MIDDLE SCHOOL PAD MOUNT TRANSFORMER. PROVIDE 3 #4/0 15 KV RATED CABLES WITH 1 #2 600V RATED GROUND IN SPARE CONDUIT. REMOVE EXISTING SERVICE CABLES AS REQUIRED IN SECOND CONDUIT AND PROVIDE PULL STRING FOR FUTURE USE. COORDINATE ALL WORK WITH OWNER.
- EXISTING UNDERGROUND PRIMARY ELECTRIC SERVICE WITH (2)-4" CONDUITS (1 USED, 1 SPARE) TO DENVER ELEM. PAD MOUNT TRANSFORMER. PROVIDE 3 #4/0 15 KV RATED CABLES WITH 1 #2 600V RATED GROUND IN SPARE CONDUIT. REMOVE EXISTING SERVICE CABLES AS REQUIRED IN SECOND CONDUIT AND PROVIDE PULL STRING FOR FUTURE USE. COORDINATE ALL WORK WITH OWNER.
- PROVIDE 12"x12"x12" DEEP IN-GRADE BOX ENCLOSURE PER SPECIFICATIONS. INSTALL BOX FLUSH WITH GRADE PER MANUF. RECOMMENDATIONS. PROVIDE "LIGHTING" LOGO ON COVER.
- SEE DRAWING E-10 FOR ALL UNDERGROUND WIRING AND EQUIPMENT REQUIREMENTS. IN ADDITION TO THE REQUIREMENTS SHOWN ON DRAWING E-10, WIRE (10) TAMPER SWITCHES AND (2) FLOW SWITCHES IN FIRE PUMP BUILDING. PROVIDE WIRING FOR SUPERVISION OF FIRE PUMP DISCONNECTING MEANS PER N.E.C. ARTICLE 695. RUN ALL WIRING TO FIRE ALARM SYSTEM IN SCHOOL BUILDING VIA 1 1/2" CONDUIT UNDERGROUND MIN. 24" BELOW FINISHED GRADE. PROVIDE KNOX BOX AT ENTRY DOOR ON BUILDING AND CONNECT TO SCHOOL BUILDING FIRE ALARM SYSTEM ACCORDINGLY.
- REFER TO DRAWING E-10 FOR UNDERGROUND SERVICE REQUIREMENTS TO THE BUILDING. SEE DUCT BANK DETAIL SECTION "C-C" ON DRAWING E-2. COORDINATE TRENCH DEPTH WITH OTHER UTILITIES.
- RUN CIRCUIT VIA LIGHTING RELAY PANEL "RP2". MAKE FINAL CONNECTION TO SELF-ILLUMINATED COMPONENT WITHIN SIGN STRUCTURE. ROUTE WIRING INTO CRAWL SPACE. EXTEND OVERHEAD VIA STORAGE 114A AND RUN CONCEALED ABOVE ACCESSIBLE CEILING TO PANEL.

**CONSOLIDATED
ENGINEERS**

CIE



AEM ARCHITECTS INC.
3700 PERKINS AVENUE, READING, PA 19606-2785
Phone: 610.779.3220 Fax: 610.779.3222
www.aem-arch.com

SITE PLAN - ELECTRICAL
RENOVATIONS TO THE COCCALICO MIDDLE SCHOOL
COCCALICO SCHOOL DISTRICT
SOUTH 4TH STREET, DENVER BOROUGH, LANCASTER COUNTY PA

ALL DIMENSIONS AND EXISTING CONDITIONS
SHALL BE CHECKED AND VERIFIED
BY THE CONTRACTOR AT THE SITE.

JOB NO.: 23001.00
DRAWN BY: DS
DATE: 04.12.24

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