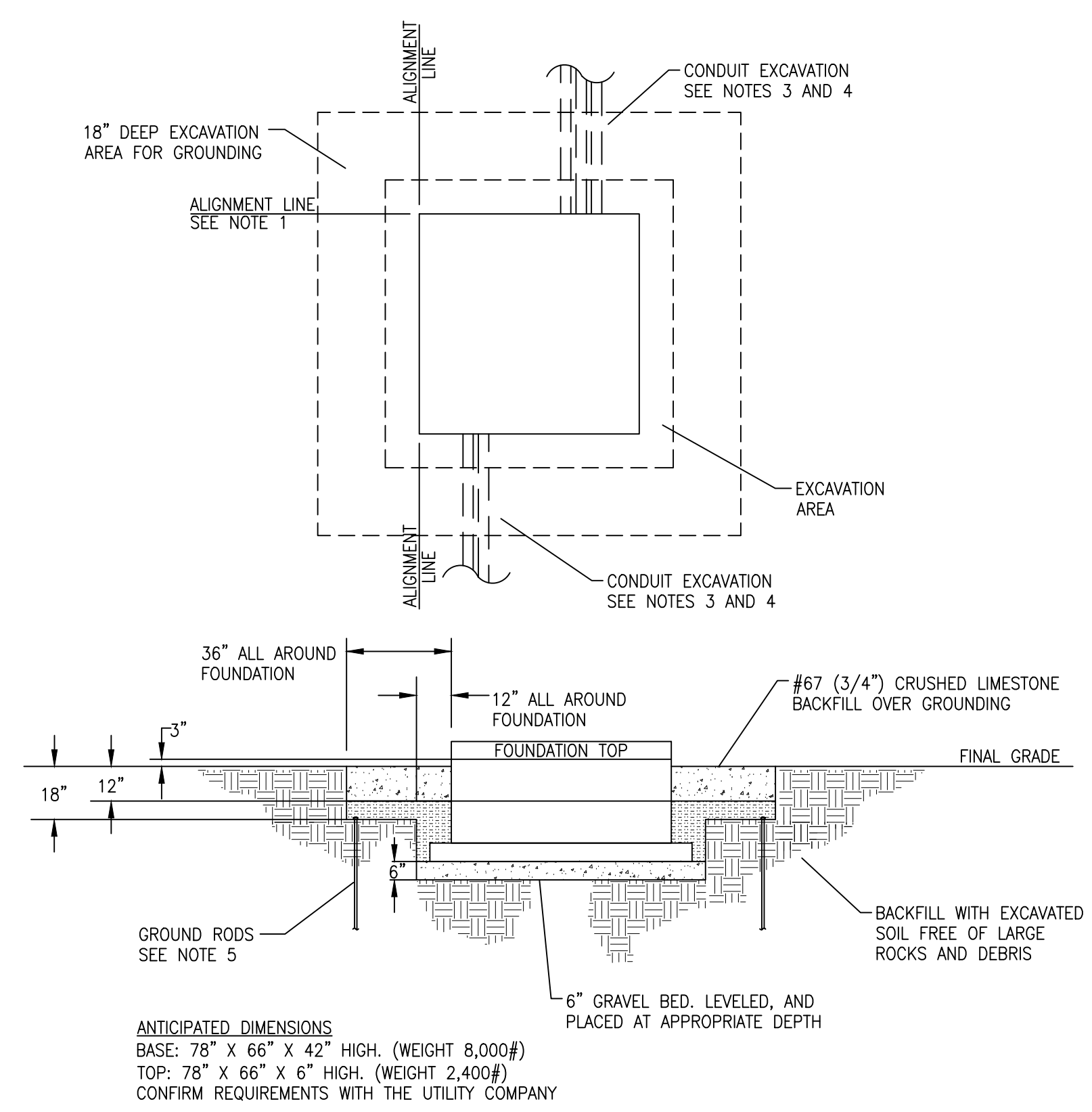


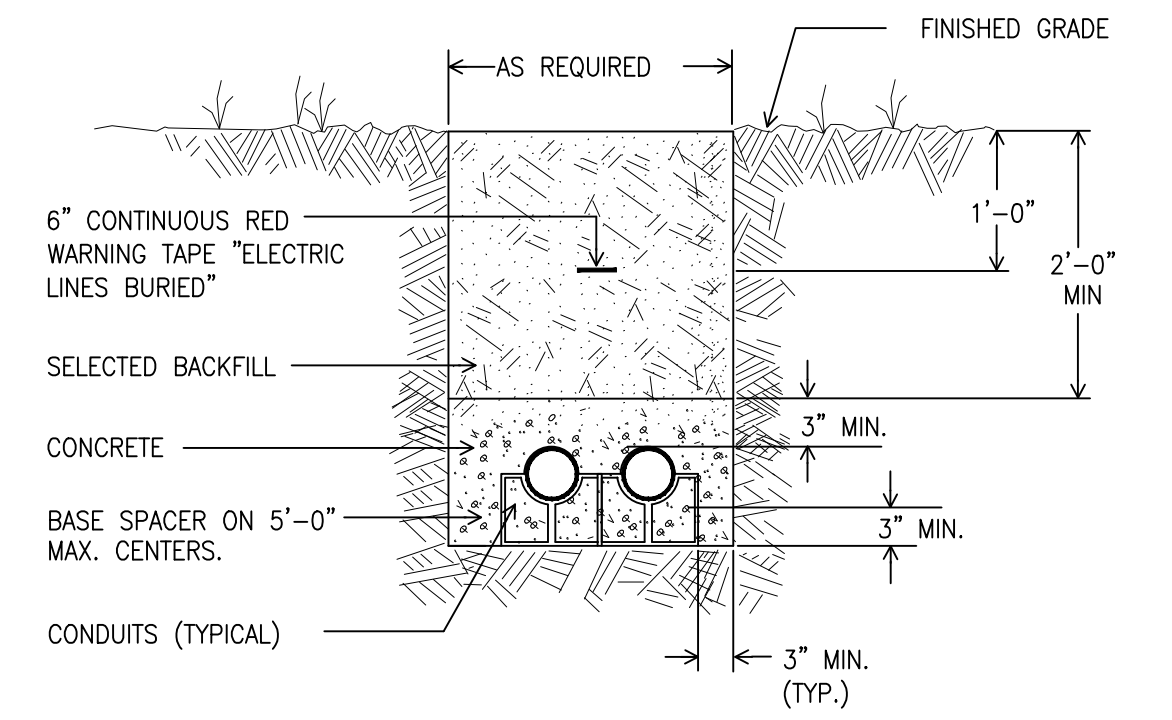
ELECTRICAL SITE PLAN
Scale: AS SHOWN



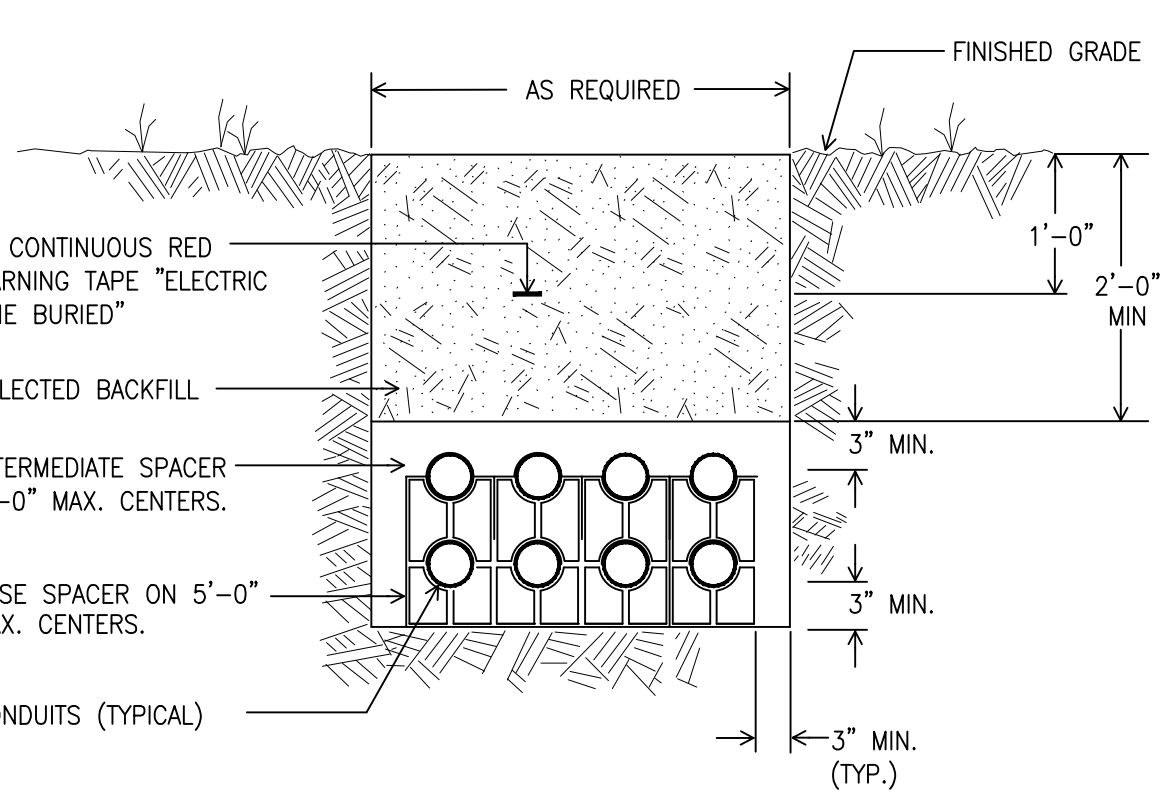
3Ø TRANSFORMER PRE-CAST CONCRETE FOUNDATION NOTES:

- CUSTOMER SHALL CONTACT THE COMPANY PRIOR TO BEGINNING WORK TO DISCUSS THE DETAILS OF TRANSFORMER FOUNDATION POSITION AND ORIENTATION, WORKING CLEARANCES, BARRIER PROTECTION, CONSTRUCTION SPECIFICATIONS, AND INSPECTION PROCEDURES. THE CUSTOMER IS RESPONSIBLE FOR PURCHASING, OWNING, AND MAINTAINING THE PRE-CAST TRANSFORMER FOUNDATION AND ASSOCIATED SECONDARY RACK EQUIPMENT. THE CONTRACTOR/DEVELOPER SHALL COORDINATE SITE PREPARATIONS WITH DESIRED DELIVERY DATE. THE CONTRACTOR SHALL PROVIDE A CLEAR AND FIRM APPROACH TO THE POINT OF DELIVERY AND KEEP THE AREA ABOVE THE TRANSFORMER CLEAR OF OBSTRUCTIONS THAT MAY BLOCK THE USE OF COMPANY VEHICLES (E.G., CRANE ACCESS TO THE TRANSFORMER).
- THE CUSTOMER/CONTRACTOR RESPONSIBLE FOR THE EXCAVATION TO INSTALL THE TRANSFORMER FOUNDATION AND FOR BACKFILLING THEREAFTER, THE EXCAVATION SHALL BE AT LEAST 2 FEET WIDER THAN THE VAULT DIMENSION AND 5 FEET-6 INCHES DEEP (ACTUAL EXCAVATION DEPTH MAY VARY, DEPENDING UPON RELATION BETWEEN EXISTING AND FINAL GRADE). SIX (6) TO EIGHT (8) INCHES OF 2B CRUSHED STONE BED MUST BE SPREAD (TAMPED) AND LEVELLED AT APPROPRIATE DEPTH IN BOTTOM OF THE EXCAVATION. PAVEMENT (CONCRETE, ASPHALT, OR GRASS/CONCRETE) SHALL BE PROVIDED TO WITHIN TEN (10) FEET OF INSTALLATION FOR COMPANY TRUCKS. FOR DELIVERY, THE CUSTOMER/CONTRACTOR SHOULD PROVIDE PAINTED LINES OR STAKES AND STRING FOR ALIGNING IN PLACE AND 4 INCH X 4 INCH LUMBER OFF TO SIDE FOR UNLOADING FOUNDATION TOP (AT DELIVERY TIME).
- CUSTOMER/CONTRACTOR SHALL PROVIDE, INSTALL, AND SEAL A MINIMUM FIVE (5) FOOT SECTION OF PVC CONDUIT THROUGH THE WALL OF THE FOUNDATION BASE (SLOPING AWAY FROM THE FOUNDATION) FOR COMPANY PRIMARY CABLE AT COMPANY DESIGNATED LOCATION.
- EXCAVATION OR CUSTOMER CONDUITS CAN BE DONE AT THE SAME TIME AS FOR FOUNDATION.
- THE CUSTOMER SHALL INSTALL A CONTINUOUS #2 BARE, SEVEN STRAND, SOFT DRAWN COPPER GROUND WIRE CONNECTED TO TWO 5/8-INCH DIAMETER X 8-FOOT GROUND RODS INSTALLED IN OPPOSITE CORNERS OF THE VAULT IN UNDISTURBED EARTH. BOTH ENDS OF THE GROUND WIRE SHALL ENTER THE FOUNDATION THROUGH A ONE-INCH DIAMETER HOLE TO BE DRILLED OR CHISELED IN THE UPPER RIGHT-HAND CORNER OF THE KNOCKOUT PANEL. GROUND WIRE TAILS SHALL EXTEND 15 FEET INSIDE THE VAULT BEYOND KNOCKOUT PANEL.
- THE DECISION TO OPEN THE SUMP FOR DRAINAGE OR LEAVE IT CLOSED WILL BE MADE BY THE COMPANY BASED ON FIELD CONDITIONS. THE CUSTOMER IS RESPONSIBLE FOR TAKING CORRECTIVE ACTION (IMPROVE DRAINAGE, SUMP PUMP, ETC.) FOR A FOUNDATION THAT CONTINUOUSLY FILLS WITH WATER AND WATER IS LEAKING THROUGH SERVICE CONDUITS INTO THE CUSTOMER'S BUILDING. THE AREA SURROUNDING THE FOUNDATION MUST BE GRADED SO THAT GROUND WATER WILL NOT COLLECT.
- THE CUSTOMER/CONTRACTOR SHALL INSTALL PROTECTIVE BARRIERS WHEN THE TRANSFORMER IS LOCATED IN AN AREA EXPOSED TO VEHICULAR TRAFFIC.

3Ø TRANSFORMER PRE-CAST CONCRETE FOUNDATION
SCALE: NONE



TYPICAL DUCT BANK "A-A" DETAIL
SCALE: NONE
NOTES: MINIMUM SEPARATION BETWEEN CONDUITS SHALL BE 3".



TYPICAL DUCT BANK "B-B" DETAIL
SCALE: NONE
NOTES: MINIMUM SEPARATION BETWEEN CONDUITS SHALL BE 3".

ALTERNATE E-1

- THE ELECTRICAL CONTRACTOR SHALL MEET WITH WITH FIRST ENERGY ON SITE AND EVALUATE CONDITION OF EXISTING UNDERGROUND PRIMARY SERVICE CONDUITS EXTENDING FROM THE FIRST ENERGY MANHOLE TO THE BASEMENT TRANSFORMER VAULT. IF CONDITION IS FOUND ACCEPTABLE, LOCATE PULLING PIT AS SHOWN ON THE PLAN, SO THAT (2) EXISTING PRIMARY CONDUITS FROM FIRST ENERGY MANHOLE CAN BE REUSED, APPROXIMATELY 100' OF EXISTING UNDERGROUND PRIMARY CONDUIT.

ALLOWANCE E-1 - \$25,000

- THE ELECTRICAL CONTRACTOR SHALL PROVIDE A TEMPORARY GENERATOR TO POWER (2) 600A/2P MAIN SINGLE PHASE SERVICE SWITCHES IN THE BASEMENT ELECTRICAL ROOM. GENERATOR SHALL BE LOCATED AT GRADE ADJACENT TO THE ELECTRICAL ROOM, AND TEMPORARY CABLE SHALL BE ROUTED THROUGH THE AREA WELL AND INTO THE BASEMENT ELECTRICAL ROOM. NOTE - THE THREE PHASE SERVICE WILL NOT BE CONNECTED TO ALLOW FOR REMOVAL OF SERVICE AND RELATED SWITCHES AND PANELS. FOR BIDDING PURPOSES FURNISH A 100 KW GENERATOR. VERIFY BUILDING DEMAND WITH FIRST ENERGY PRIOR TO ORDERING GENERATOR.

ALLOWANCE E-2 - \$25,000

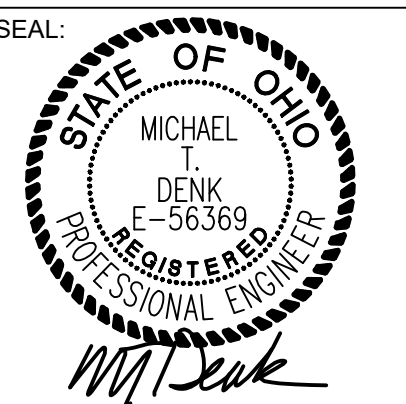
- INCLUDE ALLOWANCE FOR FIRST ENERGY INSTALLATION FEES.

BENJAMIN FRANKLIN
PreK-8 SCHOOL
ELEVATOR
INFRASTRUCTURE
1905 Spring Road
Cleveland, Ohio 44109

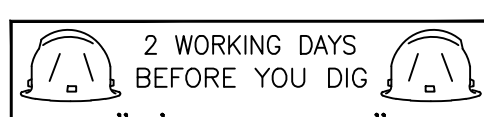
ISSUE DATE	PROJECT STATUS
06.13.2018	BID/PERMIT
08.02.2018	ADDENDUM #1

REVISION SCHEDULE	
DATE	DESCRIPTION

SHEET NAME:
ELECTRICAL SITE PLAN

SEAL: 

1665 PROJECT NO.
06.13.2018 DATE
ME2.0 DRAWING NO.
DRAWN BY: MTD CHECKED BY: MTD

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