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A. IT IS UNDERSTOOD AND AGREED BY THE INSTALLER THAT WORK HEREIN DESCRIBED SHALL BE PERFORMED IN EVERY DETAIL, SUCH THAT EVERY ITEM INVOLVED IS NOT PARTICULARLY MENTIONED. INSTALLER SHALL BE RESPONSIBLE TO PROVIDE ALL LABOR AND MATERIALS NECESSARY FOR THE WORK INTENDED AND DESCRIBED FOR A COMPLETE AND OPERATIONAL SYSTEM. SUCH MATERIALS SHALL INCLUDE, BUT ARE NOT LIMITED TO, CONDUIT, FITTINGS, COVERPLATES, WIRING, BREAKERS, CONTROL DEVICES, LIGHTING ACCESSORIES, ETC. THIS ALSO INCLUDES EQUIPMENT REQUIRED BY STATE AND LOCAL CODES.

B. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL EQUIPMENT AND MATERIALS WITH ALL OTHER TRADES.

1. DEMO EXISTING UNDERGROUND 480V LIGHTING CIRCUIT AND BASES AS SHOWN. RELOCATE EXISTING POLES AND FIXTURES TO NEW BASES AND RECONNECT BACK INTO EXISTING CIRCUIT AND CONTROLS.
2. ALL BELOW GRADE CONDUIT TO BE BURIED MINIMUM 24" BELOW GRADE IN SCHEDULE 40 PIPE. PROVIDE THE MARKET TYPE PER SPECIFICATIONS. GENERATOR AND MAIN TRANSFORMER UNDERGROUND CONDUITS TO BE LOCATED A MINIMUM OF 48" BELOW GRADE.
3. PROVIDE HANDHOLES AT LOCATIONS SHOWN. HANDHOLES TO BE QUARTZ OR EQUAL IN LENGTH, WIDTH, LOCKING OF COVERS. PROVIDE COVERS WITH MOLDRED IN TYPE FOR UTILITIES BURED.
4. SEE CIVIL PLAN FOR CONTINUATION OF CONDUITS TO EXISTING BUILDING. COORDINATE WITH OWNER PENETRATION INTO EXISTING BUILDING AND ROUTING OF CONDUITS WITHIN EXISTING BUILDING.
5. SEE DETAIL SHEET FOR POLE BASE DETAILS. EXACT LOCATIONS OF POLE BASES TO BE COORDINATED WITH CIVIL AND CM.
6. PROVIDE 208V AND 120V POWER TO GENERATOR FOR OIL HEATER AND UNDERGROUND: HEATER, LIGHTS AND RECEPTACLE INSTALLED BY GENERATOR MANUFACTURER. PROVIDE DATA LINE FOR REMOTE COMMUNICATIONS.
7. COORDINATE EXACT LOCATIONS OF GENERATOR AND TRANSFORMER WITH CIVIL, CM AND LOCAL UTILITY CO.
8. COORDINATE ANY PRIMARY METERING AND CONDUIT REQUIREMENTS WITH LOCAL UTILITY CO.
9. SEE DETAIL SHEET FOR PAD DETAILS AND GROUNDINGS REQUIREMENTS FOR GENERATOR AND TRANSFORMER.
10. SEE LIGHTING DETAIL SHEET FOR SITE LIGHTING CONTROLS.
11. MOUNT FIXTURE TYPE: 3'X 12" MINIMUM A'AWAY FROM SIGN. SEE POLE BASE DETAIL AND DETAIL SHEET. AM FIXTURE AND ADJUST BARN DOORS TO EVENLY ILLUMINATE SIGN WITH NO SHADOWS UNDER SIGN.



# THE COTTAGE at THORNAPPLE

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CM CONTRACTING

CIVIL ENGINEER

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MILLIS & ASSOCIATES  
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