



SERVICE REQUIREMENTS :

1. EASEMENTS: THE CUSTOMER SHALL PROVIDE AN EASEMENT 15 FEET IN WIDTH FOR THE UNDERGROUND ELECTRIC SYSTEM. THE EASEMENT SHALL BE CLEARED OF ALL OBSTRUCTIONS THAT MAY INTERFERE WITH UNDERGROUND CABLE INSTALLATION, OPERATION, AND MAINTENANCE. THE EASEMENT SHALL BE KEPT CLEAR OF VEGETATION, BUILDINGS, AND OBSTRUCTIONS.
2. ROUTING: DUKE ENERGY SHALL BE RESPONSIBLE FOR DETERMINING THE FINAL ROUTING FOR UNDERGROUND PRIMARY CABLES. THE CABLE ROUTE MUST BE ACCESSIBLE FOR MAINTENANCE ALONG ITS ENTIRE LENGTH.
3. USE BY OTHERS: THE UNDERGROUND TRENCH CONTAINING THE ELECTRIC CABLES IS FOR THE SOLE USE OF DUKE ENERGY. OTHER UTILITIES MAY BE ALLOWED IN THE TRENCH WITH THE EXPRESS PERMISSION OF DUKE ENERGY.
4. ACCEPTANCE: THE COMPANY RESERVES THE RIGHT TO REFUSE SERVICE TO NEW INSTALLATIONS THAT DO NOT MEET DUKE ENERGY REQUIREMENTS AND MAY ELECT TO REMOVE EXISTING SERVICE CABLES IF THE CUSTOMER FAILS TO PROVIDE ADEQUATE MAINTENANCE TO CUSTOMER OWNED FACILITIES.
5. MATERIALS & LABOR: THE CUSTOMER SHALL PROVIDE ALL MATERIALS AND EXCAVATION LABOR NECESSARY TO INSTALL THE UNDERGROUND PRIMARY CABLE SYSTEM. THIS INCLUDES TRENCHING, BACKFILLING, LEVELING THE TRANSFORMER PAD LOCATION, INSTALLATION OF CONDUIT AND CONDUIT ACCESSORIES, INSTALLATION OF SPECIAL BACKFILL, ETC.
6. TRENCH DIMENSIONS AND CLEARANCES : THE PRIMARY CABLE TRENCH SHALL BE A MINIMUM OF 32 INCHES DEEP AND 6 INCHES WIDE. THE MAXIMUM DEPTH SHALL BE NO MORE THAN 36". THE TRENCH MUST BE AT LEAST 3 FEET AWAY FROM ADJACENT GAS PIPES OR WATER LINES. IT SHALL BE AT LEAST 1 FOOT AWAY FROM ALL OTHER UNDERGROUND UTILITIES INCLUDING TELEPHONE, CABLE TV, LAWN WATERING SYSTEMS, ETC. THE SURFACE GRADE OVER THE TRENCH SHALL NOT BE CHANGED IN ANY WAY THAT REDUCES OR INCREASES THE DEPTH OF BURIAL.
7. CONDUIT: WHEN DEEMED NECESSARY BY THE DUKE ENERGY REPRESENTATIVE, THE CUSTOMER SHALL INSTALL CONDUIT OR SELECT BACKFILL TO PROTECT DUKE ENERGY FACILITIES FROM DAMAGE BY ROCKS OR OTHER HAZARDS. IF CONDUIT IS INSTALLED FOR THE PRIMARY SYSTEM, IT SHALL BE OWNED AND MAINTAINED BY THE CUSTOMER. SELECT BACKFILL MATERIALS INCLUDE UNWASHED SAND, BANK RUN GRAVEL WITH STONES LESS THAN 1" IN DIAMETER, ETC.
8. IF THE UNDERGROUND PRIMARY SYSTEM MUST PASS BENEATH PAVED AREAS, THE CUSTOMER SHALL INSTALL A CONDUIT ACROSS THE PAVED AREA. THE CONDUIT SHALL HAVE AT LEAST 30 INCHES OF COVER. IT MUST BE AT LEAST 3 INCHES IN DIAMETER. IT MUST EXTEND AT LEAST 2 FEET BEYOND THE EDGE OF PAVEMENT. THE CONDUIT SHALL BE MADE FROM POLYVINYL CHLORIDE (PVC) AND SUITABLE FOR USE WITH UNDERGROUND ELECTRIC DISTRIBUTION CABLES RATED AT 90°C. IT SHALL BE SUITABLE FOR DIRECT BURIAL. A UL LISTING AND A SCHEDULE 40 (ISCH. 40) RATING ARE ADEQUATE FOR THIS PURPOSE.
9. SECONDARY SERVICE: WHEN THE CUSTOMER OWNS AND MAINTAINS THE UNDERGROUND SERVICE CONDUCTORS FROM THE TRANSFORMER TO THE ELECTRIC METER, SERVICE CONDUCTORS MUST BE A MINIMUM OF 24 INCHES DEEP. SERVICE CONDUCTORS SHALL BE INSTALLED AT THE PROPER DEPTH TO WITHIN 2 FEET OF THE TRANSFORMER PAD BY THE CUSTOMER. SUFFICIENT CABLE LENGTH WILL BE PROVIDED SO THAT THE CABLE ENDS WILL BE APPROXIMATELY 5 FEET ABOVE THE TRANSFORMER PAD WHEN THE CABLES ARE INSTALLED INTO THE PAD BY DUKE ENERGY. DUKE ENERGY WILL EXTEND THE CABLES INTO THE TRANSFORMER PAD AND MAKE FINAL CONNECTIONS UPON RECEIPT OF PROPER INSPECTION RELEASES.