



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, OR ANY OBSTRUCTIONS.
2. 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.
3. 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.
4. SYSTEM ROUTE AND EQUIPMENT LOCATION: 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. THE CUSTOMER SHALL PROVIDE A LEVEL LOCATION AT FINAL GRADE FOR A PADMOUNTED TRANSFORMER INSTALLATION AS DIRECTED BY THE COMPANY. THE CUSTOMER SHALL BE RESPONSIBLE FOR CONSTRUCTING A TRANSFORMER PAD IN ACCORDANCE WITH DUKE ENERGY REQUIREMENTS SUITABLE FOR THE LARGEST TRANSFORMER THAT MAY BE REQUIRED. THE TRANSFORMER PAD MUST BE LOCATED WITHIN 10 FEET OF A PERMANENT DRIVEWAY OR OTHER AREA ACCESSIBLE TO DUKE ENERGY CONSTRUCTION AND MAINTENANCE EQUIPMENT. THE CLOSEST PART OF ANY TRANSFORMER (OR TRANSFORMER PAD) MUST BE AT LEAST 10 FEET FROM ANY COMBUSTIBLE WALL, WINDOW, OR VENTILATION OPENING, AND 20 FEET FROM ANY DOORWAY IN A BUILDING. LANDSCAPING MUST BE A MINIMUM OF 3 FEET AWAY FROM THE SIDES AND TO THE REAR OF THE TRANSFORMER (OR TRANSFORMER PAD). THERE MUST BE 10 FEET OF CLEARANCE TO THE FRONT OF THE TRANSFORMER (OR TRANSFORMER PAD). LOCAL REGULATIONS MAY REQUIRE ADDITIONAL CLEARANCES TO PADMOUNTED EQUIPMENT.
5. 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.
6. MATERIALS & LABOR: THE CUSTOMER SHALL PROVIDE ALL MATERIALS AND EXCAVATION LABOR NECESSARY TO INSTALL THE UNDERGROUND CONDUIT SYSTEM. THIS INCLUDES TRENCHING, BACKFILLING, INSTALLATION OF CONDUIT AND CONDUIT ACCESSORIES, INSTALLATION OF PRECAST MANHOLES AND CABLE PITS, INSTALLATION OF TRANSFORMER FOUNDATIONS, ETC.
7. CONDUIT: THE CUSTOMER SHALL INSTALL, OWN AND MAINTAIN THE CONDUIT SYSTEM INCLUDING DUCT, MANHOLES, CABLE PITS AND TRANSFORMER FOUNDATIONS, ETC.. IT SHALL BE INSTALLED IN ACCORDANCE WITH DUKE ENERGY STANDARDS. THE CONDUIT SHALL BE MADE FROM POLYVINYL CHLORIDE (PVC) AND SUITABLE FOR USE WITH UNDERGROUND ELECTRIC DISTRIBUTION CABLES RATED AT 90°C. ALL CONDUITS SHALL HAVE A UL LISTING AND A SCHEDULE 40 (SCH. 40) RATING CLEARLY PRINTED ON THE EXTERIOR SURFACE. FOR PRIMARY JACKETED CONCENTRIC NEUTRAL PRIMARY CABLES, THE MINIMUM INSIDE DIAMETER OF THE CONDUIT SHALL BE 4 INCHES. FOR ALL OTHER PRIMARY CABLES, A MINIMUM INSIDE DIAMETER OF 6 INCHES IS REQUIRED. ALL BENDS SHALL BE 90° "SWEEP" BENDS WITH A MINIMUM RADIUS OF 36 INCHES. CONDUIT MAY BE DIRECT BURIED IF LOCAL PERMITTING AUTHORITIES WILL ALLOW DIRECT BURIED CONDUIT SYSTEMS. ALL CONDUITS SHALL HAVE A PULL STRING INSTALLED. ALL CONDUITS SHALL BE CAPPED TO PREVENT DEBRIS FROM ENTERING THE CONDUIT.