



### SERVICE REQUIREMENTS:

1. 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.
2. 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.
3. SYSTEM ROUTE AND EQUIPMENT LOCATION: DUKE ENERGY SHALL BE RESPONSIBLE FOR DETERMINING THE FINAL ROUTING FOR UNDERGROUND SERVICE CABLES. THE CABLE ROUTE MUST BE ACCESSIBLE FOR MAINTENANCE ALONG ITS ENTIRE LENGTH.
4. TRENCH DIMENSIONS AND CLEARANCES: THE SERVICE CABLE TRENCH SHALL BE A MINIMUM OF 24 INCHES DEEP. 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.
5. 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.
6. CONDUIT: THE CUSTOMER SHALL INSTALL, OWN AND MAINTAIN THE CONDUIT SYSTEM INCLUDING DUCT. 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 UP TO 200AMPS, THE MINIMUM INSIDE DIAMETER OF THE CONDUIT SHALL BE 2 INCHES.  
FOR UP TO 400AMPS, A MINIMUM INSIDE DIAMETER OF 4 INCHES IS REQUIRED ALL BENDS SHALL BE 90° SWEEP BENDS WITH A MINIMUM RADIUS OF 18 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. THE CONDUIT SYSTEM SHALL HAVE A MAXIMUM OF (3) 90° SWEEP BENDS. IF THE CONDUIT SYSTEM IS GOING TO EXCEED 200' PLEASE CONTACT ENGINEERING AND CONSTRUCTION PLANNING.