

11. SAFETY

11.1 TREES

- 11.11 Trees growing over eighteen (18) feet at maturity shall not be planted under aerial electric lines. Contact the City of Newark Electric Department for information on proper trees to plant. Tree trimming or removal near power lines shall be performed only by qualified workers. The Electric Department shall be contacted before any pruning near lines is performed to allow the limbs to be cleared to a safe distance from the aerial lines or the line to be deenergized if possible. Any brush trimmed shall be removed by the homeowner.

11.2 WORKING NEAR POWER LINES

- 11.21 Whenever work is anticipated near aerial power lines, the Electric Department shall be contacted to ensure the safety of workers. Wires may need to be covered, deenergized or removed prior to the commencement of work.

11.3 FOREIGN ATTACHMENTS

- 11.31 No one may place antennas, signs, banners, basketball hoops, lights or any other objects on City poles.

11.4 CUSTOMER ANTENNAS

- 11.41 Antennas shall be located well away from overhead conductors or electric lights and power circuits in order to avoid the possibility of their falling onto or coming into accidental contact with such circuits. Consideration shall be given to the movements that the antennas and the power circuit conductors may be expected to make under storm conditions. Outdoor antennas shall be fabricated of durable materials and erected so that they will withstand ice and wind loading conditions.

11.5 POOLS, BUILDINGS, SHEDS, SIGNS AND LIGHT POLES

- 11.51 Before pools, buildings, building additions, sheds, signs or light poles are installed, the Electric Department shall be contacted to ensure proper clearances to aerial and underground facilities are met.

11.6 FALLEN WIRES

- 11.61 Fallen wires are particularly dangerous because they are often assumed to be deenergized. Do not hesitate to call "911" to report downed wires. Do not touch the wire, even with a tree branch or long pole. Prevent others from getting near the wire until a City representative checks the situation. A downed wire is our highest response priority.

11.7 POLE SAFETY

- 11.71 Electricians shall not erect any structure such as an underground cable riser or a ladder higher than ten (10) feet high on or against City poles unless no existing energized conductors are located on the pole. The City will perform all work above the ten (10) foot elevation if existing energized conductors are located on the pole.

11.8 WORKING SPACE

- 11.81 A clear and level working area equal to the full width of the padmount operating compartments shall extend ten (10) feet minimum in front of the compartment opening. A minimum of three (3) feet of clear working area shall be provided on all sides of padmounted equipment without operating compartments including sides with cooling fans. A minimum of three (3) feet of clear working space is required in front of each meter. (See figure 9).

11.9 TRANSFORMER LOCATIONS

- 11.91 The City will install padmount transformers, submersible transformers, and oil-filled switches using the clearances listed below. Clearances between padmount transformers and structures shall be measured from the metal portion of the transformer closest to the building or structure. This includes any overhangs within the following minimum clearances: (See figure 10)

Three (3) feet from non-combustible walls (including brick, concrete, steel and stone) provided the side of the transformer facing the wall does not have doors.

Ten (10) feet from combustible walls (including stucco), doors, windows, vents, fire escapes, and other building openings.

Fifteen (15) feet from the water's edge of a swimming pool or any body of water.

Twenty (20) feet from facilities used to dispense or store hazardous liquids or gases (for example, service station gas pumps and tanks, propane bulk dispensing tanks and emergency generator fueling points).

Contact the City of Newark Electric Department to verify proper clearances before starting any project.

12. SERVICES

12.1 EXTENSIONS

- 12.11 Owners of a building and residential, commercial and industrial developers shall contact the City while in the planning stage of their projects whether or not City