

- 4.93 For three phase temporary metering requirements, contact the City of Newark Electric Department.

5. NEW RESIDENTIAL SUBDIVISION SERVICE REQUIREMENTS

- 5.01 After final construction improvement plan approval from the City Public Works Department, an electronic disk containing final subdivision drawings shall be submitted to the City of Newark Electric Department.
- 5.02 After submission of final subdivision drawings, the Electric Department will then design the final underground distribution for the development including the location of transformers, pedestals, underground cable and meter box locations. Streetlight locations will be provided only if the streets are deeded over to the City.
- 5.03 Electric Department easement requirements submitted during the construction improvement approval process shall be granted and shown on final development plans.
- 5.04 Final distribution plans will be forwarded to the City Water Department, the Gas Company, the CATV Company and the Telephone Company for their requirements.
- 5.05 The developer will be required to coordinate all utility service installations including contacting the City Water Department, the Cable Company, the Gas Company and the Telephone Company.
- 5.06 The developer shall install road-crossing conduits for all utilities. The City Electric Department will supply schedule 40 electric conduit for its primary and secondary crossings to the developer. Conduits shall be installed from back edge of sidewalk to back edge of sidewalk at a minimum depth of 40". **Primary cable and secondary cable crossings require separate conduits.**
- 5.07 The developer is responsible for all trenching and backfilling for Electric, Telephone and CATV cables. Electric, Telephone and CATV cables shall be installed in the same trench. The developer may trench only after receiving approval from the City of Newark Electric Department and installation of curbs is completed. The developer is required to clean any trenches to the City of Newark requirements.

5.1 TRENCH REQUIREMENTS

- 5.11 Trenches shall be 40" deep. 36" wide. Main line trench shall normally be dug behind the sidewalk. Trench to be backfilled with select material or sand. Fill material shall be verified and approved at a site pre-construction meeting. (see figure 17)

- 5.12 Underground cables will only be installed after curb installation and property lines and easements are staked and marked with final grade. Before trenches are backfilled, the soil will be evaluated and the developer will be notified if existing soil can be used or if sand or select material will be required.
- 5.13 Before the trench is backfilled at transformer locations, the City will install its transformer foundation pad (See figure 3).
- 5.14 If provided, the City will install streetlights only if final landscaping is complete on any adjacent lots.
- 5.15 No shrubbery shall be installed within six (6) feet of the front of a padmount transformer or three (3) feet on the other sides. **No trees over eighteen (18) feet at maturity shall be planted under any aerial lines. (See figure 4).**
- 5.16 **Meter boxes shall be installed at a height of five (5) feet to the center of the box from final grade within five (5) feet of the front corner of each home as shown on the City of Newark distribution print - no exceptions shall be granted. (See figure 5).**
- 5.17 The developer shall supply and install schedule 40 PVC **electrical** conduit under any sidewalk or driveway location for installation of service cables from transformers or pedestals to the meter box.
- 5.18 The City will install secondary service lateral cables only after the meter box and strapped rigid galvanized steel or schedule 80 PVC conduit are mounted. (See figure 5).

5.2 GENERAL

- 5.21 **Before digging contact Miss Utility of Delmarva at 1-800-282-8555 for utility markouts.** If digging in the public right of way contact the City of Newark Public Works Department to obtain a permit.
- 5.22 Residential development service is 120/240 volt, 3 wire, single phase.
- 5.23 Meter boxes, rigid steel or schedule 80 PVC riser conduit, strap and bonding bushing shall be supplied and installed by the developer. The final location will be determined by the City of Newark.
- 5.24 The City of Newark shall perform all connections to the distribution system.
- 5.25 The City of Newark shall supply and install the transformers, transformer pads and pedestals.

- 5.26 The City of Newark will supply only one service lateral per lot.
- 5.27 A distance of a minimum of 24” shall be maintained between the meter and any gas piping.

5.3 TEMPORARY SERVICE

- 5.31 If a customer requires temporary service, refer to section 4, Temporary Service Requirements for installation requirements.

5.4 PERMANENT SERVICE

- 5.41 To energize permanent service, refer to Section 6.6.

5.5 ADDITIONAL METER REQUIREMENTS

- 5.51 Ringless meter sockets shall be required.
- 5.52 Use 4 jaw sockets for 120/240 volt, 3 wire service, 200 amps or smaller.
- 5.53 Use 5 jaw sockets for 120/208 volts, 3 wire service, 200 amps or smaller (see figure 11).
- 5.54 A **rigid galvanized steel or schedule 80 PVC riser** strapped to the wall and installed eighteen (18) inches below grade with a **plastic bushing** is required.
- 5.55 A **bonding bushing** shall be required in the meter box.
- 5.56 A distance of a minimum of 24” shall be maintained between the meter and any gas piping.
- 5.6 EASEMENTS
- 5.61 Easements may be required to install City facilities. All easements shall be shown on development prints.

6. RESIDENTIAL SERVICE REQUIREMENTS

6.1 PLANNING

- 6.11 Before work can begin for a new residential service a City of Newark service and meter location form (See figure 1) shall be filed describing completely as possible the equipment to be served and the size of the load to be supplied so that adequate capacity may be provided. **Before proceeding with any wiring, the point of delivery and meter location shall be determined by a City of Newark**