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SPECIFICATIONS FOR NEW ELECTRCITY UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

6.0 MATERIAL SPECIFICATIONS AND STANDARDS

6.1 General Requirements

The Developer is responsible to supply all personnel, materials and equipment required for the faithful performance of the work, notwithstanding the Developer’s delegation to its agent(s) (i.e., Consulting Engineer, Contractors and others) the actual performance of the work.

The Developer is further responsible to supply all material required for the design and installation of the underground electrical distribution system, including miscellaneous construction site materials (e.g., sand), EXCEPT the following:

- a) distribution express feeder cables;
- b) source primary feeder cables;
- c) primary cable terminations at switch cubicles;
- d) pre-cast bases for switch cubicles;
- e) switch cubicles;
- f) ground grids for switch cubicles; and
- g) the required cable tags, SLD Schematic plates, switch plates, danger/warning signs, padlocks, ground test tags and asset tags.

These will be provided by ATCO, as per Section 2.0, Table 2.1.

All material must be new. See Appendix E for material specifications, approved suppliers/manufacturers and ATCO part numbers and/or manufacturer catalogue numbers for equipment used in the construction of underground electrical distribution systems and street lighting. Engineering standards and installation drawings are provided in Appendix B and D.



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No deviation from material specifications is permitted without the prior written approval of ATCO's Electricity Engineering Representative. The Developer must ensure that any authorized deviations are communicated to their inspector, construction crew and clearly are identified on the Red Line construction drawings.

ATCO reserves the right to inspect any material at any stage to ensure it meets specifications and is from an approved manufacturer. Installed material not meeting the specifications or not approved will be rejected by ATCO. The Developer and/or its agent(s) will be required to replace the rejected material with approved material, at their own expense, prior to ATCO's acceptance of the Developed Distribution Facilities.

6.2 Storage of Material

The Developer and/or its agent(s) are responsible for the safe storage of all material until it has been incorporated in the Developed Distribution Facilities and accepted by ATCO. Any material damaged in transit or damaged after delivery to the construction site must be replaced by the Developer.