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SPECIFICATIONS FOR NEW UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

8.0 ACCEPTANCE AND ENERGIZATION

8.1 General Requirements

The Developer is responsible for the entire underground installation and all Developed Distribution Facilities (both exposed and unexposed) until energization and final acceptance of the CCC by ATCO Electric (see Section 8.2).

All areas of the installation, including utility right-of-ways and easements, must be brought to within +/-80mm of final grade before acceptance.

The Developer is also responsible for completing asset documentation (see Appendix F, Document F.5) and submitting the forms electronically to ATCO Electric's CSR.

ATCO Electric will conditionally accept the entire installation ("entire" defined as the area bounded by the Developer's plans, as initially covered by the Contract) upon receiving the CCC from the Developer.

After a satisfactory Final Construction inspection of the installation, ATCO Electric will complete any work necessary to supply power to the subdivision. The Developed Distribution Facilities will then be commissioned and energized, subject to the following conditions:

- a) ATCO Electric will not energize portions of the development in a piecemeal manner, unless specific arrangements are made and the Developer pays all additional costs.
- b) If, on attempting to energize the system, ATCO Electric determines that certain cables have been damaged and are not considered serviceable, the Developer must expedite the retesting of such cables, as per Section 7.2.1. All costs related to these tests will be the responsibility of the Developer.

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- c) In the event that a primary or secondary power cable or a portion thereof, fails during energization, ATCO Electric will determine the appropriate action, which will be taken at the cost of the Developer.

The Developer's CCC will be accepted and signed upon successful energization. At this time, ownership of the Developed Distribution Facilities will transfer to ATCO Electric, along with full responsibility for its future operation and maintenance, excepting those items covered by the Developer's Warranty.

8.2 The CCC

Upon completion of the Developed Distribution Facilities, and approximately 20 working days prior to the anticipated date of energization, the Developer must submit an authenticated CCC to ATCO Electric, along with copies of the as-built drawings and other documents (see Section 8.3). After inspecting the installation, ATCO Electric will sign the CCC indicating the installation is either Accepted or Rejected:

Accepted means ATCO Electric is satisfied with the Developed Distribution Facilities as-built by the Developer and/or its agent(s), and confirms there are no outstanding defects, deficiencies or non-conformances.

Rejected means ATCO Electric has identified defects, deficiencies or non-conformances in the installation significant enough that ATCO Electric cannot accept the Developed Distribution Facilities as is. Please note: The commissioning and energization process **will not proceed** until *all* of the identified defects, deficiencies and non-conformances have been resolved.

The Developer and/or its agents must make all the necessary corrections and re-submit the CCC and revised as-built drawings within thirty (30) days of the original submission, for review by ATCO Electric's and Engineering Representatives.

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8.3 Timeline for Final Construction Inspection, Acceptance and Energization

The timeline (approximate) for the acceptance and energization of the Developed Distribution Facilities is described below.

8.3.1 20 Business Days Prior to the Anticipated Energization Date

The Developer and/or its agent(s) must submit to ATCO Electric's CSR:

- a) CCC (original), authenticated and stamped by the Consulting Engineer (see Section 8.2 and Appendix F, Form F.8);
- b) certified test reports for all primary cable and terminations (provided by the testing company);
- c) manufacturer's test data for all pad mount transformers and certified transformer test reports (see Section 7.2.2 and Appendix F, Form F.6);
- d) test reports for all transformer ground grids (see Section 7.2.3 and Appendix F, Form F.6);
- e) all completed and signed off inspection forms (see Section 7.3 and Appendix F, Forms F.12 and F.13);
- f) a completed Site Cleared of Personnel form (Appendix F, Form F.10);
and
- g) three (3) complete paper copies and one electronic copy of the red-line as-built IFC drawings (see Section 4.2.9).

8.3.2 15 Business Days Prior to the Anticipated Energization Date

The Developer and/or its agent(s) must:

- a) complete a walk-through Final Construction inspection with ATCO Electric's Representative (see Note below) and either:

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- i. accept and sign the red-line as-built IFC drawings, along with ATCO Electric's Representative, verifying all underground power cables and markings are positively identified, all work has been reviewed and all parties are satisfied the entire installation has been constructed as designed and recorded on the red-line as-built IFC drawings; OR
 - ii. take action to remedy any defects, deficiencies or non-conformances identified by ATCO Electric and re-commence the process from Section 8.3.1;
- b) upon successful completion of the Final Construction inspection (i.e., final red-line as-built IFC drawings are accepted and signed), submit a request for energization (see Appendix F, Form F.9);
 - c) ensure all easements, railway and pipeline crossing agreements (as applicable) and any other such legal instruments and documents (see Section 4.2.2) are assigned to ATCO Electric or registered in ATCO Electric's name and forwarded to ATCO Electric's CSR; and
 - d) submit completed asset documentation forms electronically to ATCO Electric's CSR (see Appendix F, Document F.5).

Note: The Consulting Engineer and Contractor accompany ATCO Electric's Representative during the Final Construction inspection.

ATCO Electric's Representative will forward one copy of the signed red-line as-built IFC drawings to ATCO Electric's Engineering Representative, to ensure all facilities are committed to ATCO Electric's records prior to energization. The Developer and/or its agent(s) will retain the second copy.

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8.3.3 Five Business Days Prior to the Anticipated Energization Date

ATCO Electric will complete all work required to supply power to the subdivision, and forward the Contractor's Construction Clearance to ATCO Electric's Operations Representative.

8.3.4 Prior to Energization

ATCO Electric's Operations Representative will issue the formal clearances required to energize the Developed Distribution Facilities and complete system measurements as necessary.

Note: If energization fails, the Developer and/or its agent(s) are responsible to correct any deficiencies and to re-submit the necessary documentation before another attempt will be made.

8.3.5 After Energization

Upon successful energization of the Developed Distribution Facilities, ATCO Electric's Representative will sign the CCC, indicating ATCO Electric's acceptance of the Developed Distribution Facilities. Ownership of the facilities is thereby transferred to ATCO Electric.

Within thirty (30) days of energization, the Developer and/or its agent(s) must provide to ATCO Electric's CSR a complete package of **final record** documents for ATCO Electric's records, which includes:

- a) two (2) paper copies and an electronic copy of the final, signed and authenticated as-built drawings;
- b) the final, accepted CCC, authenticated by the Consulting Engineer and signed by ATCO Electric's Representative;
- c) the final asset documentation forms; and
- d) all legal documents, including all easements and crossing agreements, registered in ATCO Electric's name.



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8.4 Final Acceptance Certificate and Final Acceptance Inspection

Thirty (30) days prior to the end of the warranty period, the Developer and/or its agent(s) must submit to ATCO Electric's CSR a Final Acceptance Certificate (FAC) (see Appendix F, Form F.9). On receipt of the FAC, ATCO Electric will conduct a final acceptance inspection of the Developed Distribution Facilities.

If no defects, deficiencies or non-conformances are identified during the inspection, ATCO Electric will sign the FAC, accepting the Developed Distribution Facilities as is and releasing the Developer from all warranty obligations, as specified in the Contract.

If any defects, deficiencies or non-conformances are identified during the inspection, these must be corrected prior to acceptance by ATCO Electric.