



Page:	8-1
Date:	2023-Dec 18
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SPECIFICATIONS FOR NEW ELECTRICITY 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 (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-Distribution Asset Documentation (DAD) Form) and submitting the forms electronically to ATCO's Electricity Expeditor.

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

After a satisfactory Final Construction inspection of the installation, ATCO 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 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 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, making arrangements with an Independent Inspector. All costs related to these tests will be the responsibility of the Developer.



Page:	8-2
Date:	2023-Dec 18
Revision:	8.1
Supersedes:	Revision 8.0 2015-Jan-01.

SPECIFICATIONS FOR NEW ELECTRICITY UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

- c) In the event that a primary or secondary power cable or a portion there of, fails during energization, ATCO 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, 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 , along with copies of the as-built drawings and other documents (see Section 8.3). After inspecting the installation, ATCO will sign the CCC indicating the installation is either Accepted or Rejected:

Accepted means ATCO 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 has identified defects, deficiencies, or non-conformances in the installation significant enough that ATCO 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’s Electricity Engineering Representatives.

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.



Page:	8-3
Date:	2023-Dec 18
Revision:	8.1
Supersedes:	Revision 8.0 2015-Jan-01.

SPECIFICATIONS FOR NEW ELECTRICITY UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

8.3.1 20 Business Days Prior to the Anticipated Energization Date

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

- a) CCC (original), authenticated and stamped by the Consulting Engineer (see Section 8.2 and Appendix F, Form F.12);
- b) certified test reports for all primary cable and terminations (provided by the testing company);
- ⇒ manufacturer's test data for all pad mount transformers.
- 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.5 F.12 and F.13);
- f) a completed Site Cleared of Personnel form (Appendix F, Form F.14); and
- g) 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's Electricity Representative (see Note below) and either:
 - i. accept and sign the red-line as-built IFC drawings, along with ATCO's Electricity 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



Page:	8-4
Date:	2023-Dec 18
Revision:	8.1
Supersedes:	Revision 8.0 2015-Jan-01.

SPECIFICATIONS FOR NEW ELECTRICITY UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

- ii. take action to remedy any defects, deficiencies or non-conformances identified by ATCO 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.13);
- 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 or registered in ATCO's name and forwarded to ATCO's Electricity Expeditor ; and
- d) submit completed distribution asset documentation (DAD) forms electronically to ATCO's Electricity Expeditor (see Appendix F, Document F.5).

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

ATCO's Electricity Representative will forward the signed red-line as-built IFC drawings to ATCO's Electricity Engineering Representative, to ensure all facilities are committed to ATCO's records prior to energization.



Page:	8-5
Date:	2023-Dec 18
Revision:	8.1
Supersedes:	Revision 8.0 2015-Jan-01.

SPECIFICATIONS FOR NEW ELECTRICITY UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

8.3.3 Five Business Days Prior to the Anticipated Energization Date

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

8.3.4 Prior to Energization

ATCO's Electricity 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 the deficiency (ies) 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's Electricity Representative will sign the CCC, indicating ATCO's acceptance of the Developed Distribution Facilities. Ownership of the facilities is thereby transferred to ATCO.

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

- a) 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's Electricity Representative;
- c) the final distribution asset documentation (DAD) forms; and
- d) all legal documents, including all easements and crossing agreements, registered in ATCO's name.



Page:	8-6
Date:	2023-Dec 18
Revision:	8.1
Supersedes:	Revision 8.0 2015-Jan-01.

SPECIFICATIONS FOR NEW ELECTRICITY UNDERGROUND RESIDENTIAL DISTRIBUTION SYSTEMS

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's Electricity Expeditor a Final Acceptance Certificate (FAC) (see Appendix F, Form F.15). On receipt of the FAC, ATCO will conduct a final acceptance inspection of the Developed Distribution Facilities.

If no defects, deficiencies, or non-conformances are identified during the inspection, ATCO 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.