



2020 - SECTION 200 INSPECTIONS

CCC/FAC INSPECTIONS DURING / AFTER CONSTRUCTION

This procedure applies to inspections conducted by Aquatera for Municipal Improvements (MI) related to water and wastewater infrastructure and includes requirements for Developers.

INSPECTIONS DURING CONSTRUCTION

- 200.1 Aquatera may inspect MI's while under construction and notify the Developer's Engineer of any deficiencies observed.
- 200.2 The Developer's Engineer will be responsible to notify the Contractor to make the necessary corrections and confirm with Aquatera when the repair is complete. Inspection of the completed repair will be at the discretion of the Aquatera inspector.
- 200.3 Aquatera may also notify the contractor that a deficiency has been observed which will also be provided to the Developer's Engineer for review and corrective action.
- 200.4 If the Developer's Engineer is unavailable, the Development Manager is to be notified along with documented details and pictures.
- 200.5 If the Developer's Engineer believes that corrective action is not warranted, he may contact Aquatera's Development Manager to review and resolve the matter.
- 200.6 Aquatera inspectors will comply with all worksite safety requirement imposed by the Developers Contractor.

PROCEDURE

- 200.7 Inspections and re-inspections should be requested a minimum of one week in advance of the date requested, using the form provided by Aquatera. Within that period, Aquatera will respond by confirming the requested date or to arrange a more suitable date. It is the responsibility of the contractor to pre-inspect the site prior to an inspection request by ensuring all infrastructure is located, accessible and can be operated. At a minimum, all CC's/service valves, main valves and blow offs located in the landscaping shall be painted blue when water or green when sanitary to confirm they have been located. Every other lot shall have its lot & block number clearly indicated on a marker post. **CCC inspection shall not be requested prior to acceptable pressure test results.**
- 200.8 The MI's to be inspected must be complete in accordance with the Construction Standards and any other applicable standards or requirements and pre-inspected by the Developer's Engineer.
- 200.9 It is the responsibility of the Developer's Engineer to review all test records prepared by a third party, correct all deficiencies that can be reasonably determined and provide

- further test records following repair. Test records shall not be submitted directly to Aquatera by a third party.
- 200.10 Aquatera will determine from the information provided with the application, whether the inspection is warranted. If not, Aquatera will notify the Developer's Engineer of the reason and what additional preparations are necessary to warrant an inspection.
- 200.11 Inspections may be cancelled due to inclement weather conditions, poor site conditions or other good reasons by the Developer's Engineer or Aquatera. Each party shall endeavour to notify the other of a cancellation within a reasonable time in advance unless it can be demonstrated that unusual circumstances prevented such notification.
- 200.12 When an inspection is cancelled for any reason an alternative date shall be agreed upon.
- 200.13 Aquatera may conduct a partial or full pre-inspection prior to the scheduled inspection, to determine if the work is complete or ground conditions are suitable or if the inspection can be conducted more efficiently in this manner. This would typically be related to the inspection and testing of hydrants, blow offs and manholes at the time of the CCC or FAC inspection.
- 200.14 When Aquatera determines that it is more effective to conduct a full pre-inspection of the MI's, the formal inspection with the Developer's Engineer will include only those parts of the MI's that are deficient.
- 200.15 MI's and the construction site shall be prepared before CCC, FAC or any re-inspection. Preparation includes but is not limited to; removing all CC plugs, adding stand pipes to all blow offs, painting all CC's/service valves, main valves and blow offs in the landscaping blue for water or green for sanitary, and ensuring that all infrastructure to be inspected is located, exposed and accessible.
- 200.16 Aquatera may reasonably suspend any inspection in progress due to; the number of deficiencies encountered, the severity of a deficiency, buried utilities, incomplete installations or deteriorating site or weather conditions.
- 200.17 The Developer's Engineer is to attend inspections or provide a representative to record deficiencies as determined by Aquatera and provide a complete list including marked up drawings to Aquatera within two weeks following the inspection.
- 200.18 The deficiency list will include an agreed upon time (repair period) by which deficiencies are to be corrected. Failure to complete deficiencies within the agreed upon time period constitutes a default by the Developer and will be dealt with in accordance with the terms outlined in the Servicing Agreement.
- 200.19 Aquatera will, as a general rule, conduct one initial inspection and one re-inspection free of charge at construction completion and final acceptance. Any subsequent re-inspections required as a result of the failure of the Developer to correct previously identified deficiencies will be assessed a charge of \$300 per inspection.
- 200.20 Re-inspections will be conducted only to determine if previously identified deficiencies have been corrected, not as a re-inspection of all MI's.

- 200.21 In general, the CCC and FAC inspections and any associated re-inspections are the only formal inspections that will be conducted relative to work completed. Aquatera will not conduct any other inspections unless there is reasonable cause to do so. When this occurs, Aquatera will notify the Developer of any additional deficiencies to be corrected within an agreed upon repair period. Following repairs a re-inspection will be required.
- 200.22 All MI's will be inspected thoroughly prior to final acceptance and all deficiencies will be added to any previously identified deficiencies that have yet to be corrected. The Developer may pay the value of the deficiencies as determined by Aquatera to expedite the release of the FAC in advance of the repairs being completed.
- 200.23 The condition of any MI that was deemed acceptable by Aquatera at construction completion shall not be a deficiency at final acceptance, unless the condition has deteriorated or field conditions have changed. Aquatera may monitor the condition of MI's that may be marginal throughout the course of the maintenance period to determine if the condition worsens and requires correction. In these cases, Aquatera is to make the Developer aware of any such MI's that are being monitored. The Developer may either choose to correct the condition immediately or wait until the end of the monitoring period at final acceptance.
- 200.24 Aquatera will not issue a CCC until all major deficiencies are corrected.
- 200.25 All inspections should be attended by the Developer and/or the Developer's Engineer and the Contractor. A representative of the Developer must be present for the formal inspections and re-inspections conducted at construction completion and final acceptance.
- 200.26 The Developer's Engineer may request clarification regarding deficiencies identified during an inspection from the Development Manager in writing, when submitting the deficiency list. Deficiencies will not be debated on-site.
- 200.27 FAC inspections may be completed prior to the end of the maintenance period. The developer's representative is encouraged to request an FAC inspection 60 to 90 days in advance. However, the certificate will not be issued until the maintenance period has expired. Inspections shall not precede the end of warranty period by more than 90 days.
- 200.28 Where the Developer fails to provide proper notification of FAC to Aquatera for MI's related to water and wastewater services, Aquatera may conduct inspections, repair deficiencies and charge the cost of doing so to the Developer. Prior to undertaking the work Aquatera will endeavour to notify the developer.



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CCC TEST PACKAGE / INSPECTION REQUEST

Development Phase:		
SECTION A – COMPANY INFORMATION		
Consultant Company:		
Consultant:		
SECTION B - TEST PACKAGE - SUBMITTED		Aquatera Use Only Review Date
Approved Drawings (digital & hard copy)	Date Submitted:	
Sand Bedding Field Density/ Trenchless Log:	Date Submitted:	
CCTV and Reports:	Date Submitted:	
Turbidity Test:	Date Submitted:	
Water Pressure Test:	Date Submitted:	
Chlorination Test:	Date Submitted:	
Bacteria Test:	Date Submitted:	
Hydrant Flow Test Request:	Date Submitted:	
Sewer Pressure Test (LPS):	Date Submitted:	
SECTION C - CCC INSPECTION REQUEST		
CCC Inspection Request :	Date:	
Location:		
Pre-Inspection:	Date Completed:	
Consultant Signature:		