

# **APPENDIX A: REVISION INFORMATION**

**LIST OF REVISIONS**

The Town of Innisfil recognizes that revisions and updates to this document will be required from time to time. An up to date record of all revisions to this document is provided in the table below:

| REV. NO. | DOC.             | DATE           | DETAILS OF REVISION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------|------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>Section 1</b> |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|          | Manual           | September 2025 | Section 1.1 – The Town reserves the right to request additional requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|          | Manual           | September 2025 | Section 1.1 – All infrastructure projects, including site plans, must conform to the TOI Standard.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|          | Manual           | September 2025 | Section 1.3.2 – Private well survey requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|          | Manual           | September 2025 | Section 1.3.3 - Revision based on DLG comment: Updated details that are to be included in the SWM Report and updated reference guidelines.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|          | Manual           | September 2025 | Section 1.3.4 – The following revisions were made: <ul style="list-style-type: none"> <li>• Electronic copies for traffic modeling are to be provided to the Town.</li> <li>• One site visit is to be conducted to assess traffic for the Traffic Brief</li> <li>• The use of Actual Peak Hour Factor</li> <li>• Swept path analysis requirement</li> <li>• Report stamped by engineer</li> <li>• 50 or more vehicle trips require a TIS Report</li> <li>• Traffic counts are to be conducted during peak hours/seasons</li> <li>• PHF of 0.90 to be employed for proposed or future conditions</li> <li>• LOS requirements</li> <li>• Parking &amp; Circulation</li> </ul> |
|          | Manual           | September 2025 | New Section 1.4 – AutoCAD and drawing requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|          | Manual           | September 2025 | New Section 1.5 – General requirements for applications.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|          | Manual           | September 2025 | New Section 1.6 – Subsurface utility investigations <ul style="list-style-type: none"> <li>• Quality level surveys</li> <li>• Test pits</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|          | Manual           | September 2025 | New Section 1.7 – Topographical Survey                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|          | Manual           | September 2025 | New Section 1.8 – CLI ECA requirements.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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| REV. NO. | DOC.             | DATE           | DETAILS OF REVISION                                                                                                                                                                                                                                                                                      |
|----------|------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>Section 2</b> |                |                                                                                                                                                                                                                                                                                                          |
|          | Manual           | September 2025 | Section 2.2 – Rural road requirements                                                                                                                                                                                                                                                                    |
|          | Manual           | September 2025 | Section 2.2.2 – Table 1 and 2 have been replaced by Table 1A and 1B for pavement structure requirements.                                                                                                                                                                                                 |
|          | Manual           | September 2025 | Section 2.2.3 – Table 3 revised to indicate maximum posted speed.                                                                                                                                                                                                                                        |
|          | Manual           | September 2025 | Section 2.2.6 – Reference to TAC manual was added.                                                                                                                                                                                                                                                       |
|          | Manual           | September 2025 | Section 2.2.10 – Requirements for concrete deficiencies in curbs.                                                                                                                                                                                                                                        |
|          | Manual           | September 2025 | Section 2.2.11 – Sidewalk contraction joint requirements.                                                                                                                                                                                                                                                |
|          | Manual           | September 2025 | Section 2.2.11 – Requirements for concrete deficiencies in sidewalks.                                                                                                                                                                                                                                    |
|          | Manual           | September 2025 | Section 2.2.11 – Requirements for concrete deficiencies in sidewalks.                                                                                                                                                                                                                                    |
|          | Manual           | September 2025 | Section 2.2.14.4 – Entrance requirements regarding road classification.                                                                                                                                                                                                                                  |
|          | Manual           | September 2025 | Section 2.2.15 – Revision based on DLG comment: <ul style="list-style-type: none"> <li>Easements may be reduced on a case-by-case basis</li> <li>Maximum drainage area that can be conveyed through a walkway</li> <li>Alternative pavement design for industrial SWM pond maintenance access</li> </ul> |
|          | Manual           | September 2025 | Section 2.2.17 – Revision based on DLG comment: Revised noise fence requirements.                                                                                                                                                                                                                        |
|          | Manual           | September 2025 | Section 2.2.18.3 – Durable pavement markings requirements.                                                                                                                                                                                                                                               |
|          | Manual           | September 2025 | Section 2.2.21.2 – Minimum 1.0% grade for parking areas.                                                                                                                                                                                                                                                 |
|          | Manual           | September 2025 | Section 2.2.21.3 – Parking space reduction as per the Town's latest Zoning By-Law.                                                                                                                                                                                                                       |
|          | Manual           | September 2025 | Section 2.3 – Contractor to notify Town 48 hours in advance prior to starting construction.                                                                                                                                                                                                              |
|          | Manual           | September 2025 | Section 2.5.2 – Warm Mix Asphalt added.                                                                                                                                                                                                                                                                  |
|          | Manual           | September 2025 | Section 2.5.2.3 – The following revisions were made:                                                                                                                                                                                                                                                     |

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|----------|------------------|----------------|---------------------------------------------------|
|          | <b>Section 3</b> |                |                                                   |
|          | Manual           | September 2025 | Section 3.3.1 – All site entrances are to be lit. |
|          | Manual           | September 2025 | Section 3.3.2.1 – Reference to ANSI/IES RP-8-22.  |
|          | Manual           | September 2025 | Section 3.3.2.1 – Table 4 & 5 removed.            |
|          | Manual           | September 2025 | Section 3.4 – Traffic light requirements added.   |
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|----------|------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>Section 4</b> |                |                                                                                                                                         |
|          | Manual           | September 2025 | Section 4.1 – All modeling files used in the design is to be provided to the Town as part of the submission package.                    |
|          | Manual           | September 2025 | Section 4.2 – Revision based on DLG comment: Removed the monitoring program to assess the performance of the proposed design.           |
|          | Manual           | September 2025 | Section 4.5 – Underground storm sewers within site plans are to be designed to convey the 100-year storm.                               |
|          | Manual           | September 2025 | Section 4.5.2 – Table 6 revisions to minimum runoff coefficients.                                                                       |
|          | Manual           | September 2025 | Section 4.5.2 – The maximum size of proposed units shall be considered when calculating the total imperviousness of the development.    |
|          | Manual           | September 2025 | Section 4.5.3 – Storm sewer design sheets to be provided.                                                                               |
|          | Manual           | September 2025 | Section 4.5.6 – Drafting requirement for pipe sizes 450mm and larger                                                                    |
|          | Manual           | September 2025 | New Section 4.5.7 – Details regarding the pipe materials for sewers                                                                     |
|          | Manual           | September 2025 | Section 4.5.12 – Drafting requirement for MHs                                                                                           |
|          | Manual           | September 2025 | Section 4.5.12 – Frost straps removed for storm MHs                                                                                     |
|          | Manual           | September 2025 | Section 4.5.12 – Revision based on DLG comment: OPSD reference added for drop structures                                                |
|          | Manual           | September 2025 | Section 4.5.13 – CBs within site plans are to be designed to convey the 100-year storm. Inlet capacity calculations are to be provided. |
|          | Manual           | September 2025 | Section 4.5.13 – CB information to be provided on the drawing.                                                                          |
|          | Manual           | September 2025 | Section 4.5.14 – Groundwater monitoring requirements for site plans and subdivisions.                                                   |
|          | Manual           | September 2025 | Section 4.5.14 – High groundwater elevations to be shown on grading plans.                                                              |
|          | Manual           | September 2025 | Section 4.5.15 – Single storm connection sizes revised.                                                                                 |
|          | Manual           | September 2025 | Section 4.5.16 – Inspection and testing plans to be prepared and submitted to the Town                                                  |

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| REV. NO. | DOC.   | DATE           | DETAILS OF REVISION                                                                                                                                                                                      |
|----------|--------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | Manual | September 2025 | Section 4.6 – Maximum ponding depths for private properties and site plans were added to Table 7                                                                                                         |
|          | Manual | September 2025 | Section 4.6 & 4.7 – The use of the Modified Rational Method has been removed.                                                                                                                            |
|          | Manual | September 2025 | Section 4.6.3 – Legal right of discharged to be registered on both properties.                                                                                                                           |
|          | Manual | September 2025 | Section 4.6.3 – Legal right of discharged to be registered on both properties.                                                                                                                           |
|          | Manual | September 2025 | Section 4.7 – Additional quantity controls may be required where downstream flow constraints or flooding exists.                                                                                         |
|          | Manual | September 2025 | Section 4.7 – The Town does not support the use of the Modified Curve Number method CN*. Curve numbers should be derived as outlined in the US Soil Conservation Service (1972) SCS curve number method. |
|          | Manual | September 2025 | Section 4.7 – A table with IA was added.                                                                                                                                                                 |
|          | Manual | September 2025 | Section 4.7.1 - Stormwater Design Guidelines for Proposed Upstream Developments From Existing SWM Facilities                                                                                             |
|          | Manual | September 2025 | Section 4.7.2 - LID functions may vary in time due to sedimental loading and shall not be used for quantity control.                                                                                     |
|          | Manual | September 2025 | Section 4.7.2 – LID locations within ROW and private ownership of LIDs within private lots.                                                                                                              |
|          | Manual | September 2025 | Section 4.7.5 – Maximum drainage area conveyed through walkways                                                                                                                                          |
|          | Manual | September 2025 | Section 4.7.12 – Orifice plates are not permitted for site plans                                                                                                                                         |
|          | Manual | September 2025 | Section 4.7.12 – Rip-rap installed on existing ditches that serve as an outlet for the development.                                                                                                      |
|          | Manual | September 2025 | Section 4.7.20 – O&M manual must detail the maintenance for all SWM facilities and infrastructure                                                                                                        |
|          | Manual | September 2025 | Section 4.9 – Revision based on DLG comment: Reformatted section.                                                                                                                                        |
|          | Manual | September 2025 | New Section 4.10 – Revision based on DLG comment: Revised to align with the Town's CLI ECA                                                                                                               |
|          | Manual | September 2025 | Section 4.10.2 – As-recorded storage volume and discharge calculations for SWM pond.                                                                                                                     |

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|----------|------------------|----------------|---------------------------------------------------------------------------------------------------------|
|          | <b>Section 5</b> |                |                                                                                                         |
|          | Manual           | September 2025 | Section 5.2 – Text regarding capacity requirements                                                      |
|          | Manual           | September 2025 | Section 5.4.1 – Flow requirements                                                                       |
|          | Manual           | September 2025 | Section 5.5 – Revised wording.                                                                          |
|          | Manual           | September 2025 | Section 5.6 – Sanitary sewer design sheet requirements                                                  |
|          | Manual           | September 2025 | Section 5.10 – Revision based on DLG comments: Depth of cover requirements updated                      |
|          | Manual           | September 2025 | Section 5.10 - No direct lateral connections to trunk sewer requirement added                           |
|          | Manual           | September 2025 | Section 5.11 – Pipe joint and connection requirements for sewers installed below high groundwater table |
|          | Manual           | September 2025 | Section 5.12 - Storm and sanitary crossing clearances added                                             |
|          | Manual           | September 2025 | Section 5.15.2 – Removal of curved or properly deflected sewers                                         |
|          | Manual           | September 2025 | Section 5.15.2 – Increased max spacing for MHs                                                          |
|          | Manual           | September 2025 | Section 5.15.5 – Revision based on DLG comments: Plug removal timing revised                            |
|          | Manual           | September 2025 | New Section 5.15.7 – Internal frost strap requirements                                                  |
|          | Manual           | September 2025 | Section 5.17 – The use of sanitary risers for deep sanitary sewers                                      |
|          | Manual           | September 2025 | Section 5.17 – MH connection requirements based on sewer sizes                                          |
|          | Manual           | September 2025 | Section 5.18 – Testing and inspection plan requirements                                                 |

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|----------|--------|----------------|-------------------------------------------------------------------|
|          | Manual | September 2025 | Section 5.18.2 Infiltration and Exfiltration Testing requirements |
|          | Manual | September 2025 | New Section 5.18.5 – MH leakage testing requirements              |
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|----------|------------------|----------------|-------------------------------------------------------------------------------------------------------------------------|
|          | <b>Section 6</b> |                |                                                                                                                         |
|          | Manual           | September 2025 | Section 6.4 -Population per unit, average daily demand and fire flow requirements                                       |
|          | Manual           | September 2025 | Section 6.10 – Separation for watermains crossing sewers                                                                |
|          | Manual           | September 2025 | Section 6.11 – Bedding requirements for water services                                                                  |
|          | Manual           | September 2025 | Section 6.12 – Additional worded regarding restraints at mechanical joints                                              |
|          | Manual           | September 2025 | Section 6.13 – Reference to new watermain crossing TOISD                                                                |
|          | Manual           | September 2025 | Section 6.14 – Hydrant locations                                                                                        |
|          | Manual           | September 2025 | Section 6.18 – Water services do not need to strictly be copper material                                                |
|          | Manual           | September 2025 | Section 6.21 – Testable backflow prevention device requirements a                                                       |
|          | Manual           | September 2025 | Section 6.21 – Revision based on DLG comments: Underground chamber requirements for DCVA added                          |
|          | Manual           | September 2025 | Section 6.23 - Tracer wire shall be extra-high strength copper-clad steel for trenchless installations                  |
|          | Manual           | September 2025 | Section 6.23 - Tracer wire requirements for PEX water services                                                          |
|          | Manual           | September 2025 | Section 6.24 – New requirements for corrosion protection                                                                |
|          | Manual           | September 2025 | Section 6.26 – Backflow prevention By-Law referenced in standards                                                       |
|          | Manual           | September 2025 | Section 6.27.1 – Watermain commissioning requirements revised. Commissioning requirements have been moved to Appendix I |

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|----------|--------|----------------|-------------------------------------------------------------------------|
|          | Manual | September 2025 | Section 6.27.2 – Continuity Testing requirements have been revised      |
|          | Manual | September 2025 | Section 6.27.3 – Hydrant flow testing protocol reference to Appendix J. |
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|----------|------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>Section 8</b> |                |                                                                                                                                               |
|          | Manual           | September 2025 | Section 8.1.2 – Revised Tree Protection Plan & Report requirements.                                                                           |
|          | Manual           | September 2025 | Section 8.1.2 – Edge Management Plan requirements when developments impact ecological integrity, stability, or functionality of a forest edge |
|          | Manual           | September 2025 | Section 8.1.2 – Any boundary tree identified for injury or removal requires signed consent from neighbouring property owner(s).               |
|          | Manual           | September 2025 | Section 8.1.3 – Signage requirements for where a specimen tree is to be retained.                                                             |
|          | Manual           | September 2025 | New Section 8.1.4 – Clearing and grubbing requirements.                                                                                       |
|          | Manual           | September 2025 | Section 8.2 – Health Coefficients revised.                                                                                                    |
|          | Manual           | September 2025 | Section 8.2 – New table for health of tree and associated definitions                                                                         |
|          | Manual           | September 2025 | Section 8.3.2.1 – Caliper and height measurement requirements added.                                                                          |
|          | Manual           | September 2025 | Section 8.4.4 – Planting Density formula revised.                                                                                             |
|          | Manual           | September 2025 | Section 8.4.5.9 – Concrete sidewalk option removed.                                                                                           |
|          | Manual           | September 2025 | Section 8.4.5.10 – Footing depth requirements for swings added.                                                                               |
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| REV. NO. | DOC.            | DATE           | DETAILS OF REVISION                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------|-----------------|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|          | <b>Appendix</b> |                |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|          | Appendix B1     | September 2025 | Section 4.2 – Lumec & Road Focus Family added to the manufacturer column                                                                                                                                                                                                                                                                                                                                               |
|          | Appendix B2     | September 2025 | Section 1.1 – Wavetronix added to the manufacturer column                                                                                                                                                                                                                                                                                                                                                              |
|          | Appendix B3     | September 2025 | Section 1.0 – Combined sewer & catchbasin leads material list                                                                                                                                                                                                                                                                                                                                                          |
|          | Appendix B3     | September 2025 | Section 2.0 & Section 3 – Fittings were added to the material list                                                                                                                                                                                                                                                                                                                                                     |
|          | Appendix B3     | September 2025 | Various manufacturers and specifications were revised                                                                                                                                                                                                                                                                                                                                                                  |
|          | Appendix B4     | September 2025 | Revised the majority of sections                                                                                                                                                                                                                                                                                                                                                                                       |
|          | Appendix B5     | September 2025 | Revised the majority of sections                                                                                                                                                                                                                                                                                                                                                                                       |
|          | Appendix B8     | September 2025 | Recommended boulevard trees were updated                                                                                                                                                                                                                                                                                                                                                                               |
|          | Appendix C      | September 2025 | Title updated to include “horizontal”                                                                                                                                                                                                                                                                                                                                                                                  |
|          | Appendix D      | September 2025 | The submission requirement for USB drives was revised to digital files                                                                                                                                                                                                                                                                                                                                                 |
|          | Appendix D      | September 2025 | Section 2.15 – Clarification was added to when inspections are required.                                                                                                                                                                                                                                                                                                                                               |
|          | Appendix E      | September 2025 | Table 1 – Note added for recovered asphalt cement, the ash content must be less than 1%                                                                                                                                                                                                                                                                                                                                |
|          | Appendix F      | September 2025 | Additional requirements included; <ul style="list-style-type: none"> <li>• As-recorded drawing are to be stamped by a licensed engineer.</li> <li>• ESC drawings are to be excluded from the package</li> <li>• Grading and Drainage section added to the underground certificate</li> <li>• SWM Pond requirements revised</li> <li>• SWM Pond and Grading sections revised for the aboveground certificate</li> </ul> |
|          | Appendix H      | September 2025 | New Appendix created for Watermain Commissioning Manual                                                                                                                                                                                                                                                                                                                                                                |
|          | Appendix I      | September 2025 | New Appendix created for Fire Hydrant Flow Test Protocol                                                                                                                                                                                                                                                                                                                                                               |
|          | TOSID           | September 2025 | Refer to Appendix G and the individual TOISD for specific revisions                                                                                                                                                                                                                                                                                                                                                    |

Any person may request a change or revision to this document by submitting a written request using the form provided on the following page to:

Town Engineer, Town of Innisfil  
2101 Innisfil Beach Road  
Innisfil, Ontario L9S 1A1  
Phone: (705) 436-3710  
Fax: (705) 436-7120



**TOWN OF INNISFIL**  
**ENGINEERING DESIGN STANDARDS AND SPECIFICATIONS**  
**REVISION REQUEST FORM**

**Section A: Contact Information (To be filled in by the Requesting Party)**

|               |  |
|---------------|--|
| Contact Name: |  |
| Organization: |  |
| Telephone:    |  |
| Fax:          |  |
| Email:        |  |

**Section B: Requested Revisions (To be filled in by the Requesting Party)**

|                      |  |
|----------------------|--|
| Section of Document: |  |
| Current Description: |  |
| Suggested Revisions: |  |
| Reasoning:           |  |

Please check, if applicable:

☐ Additional Information/Documentation Attached

☐ Red Lined Detail Drawing Attached

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Section C: Revision Review (To be filled in by the Responding Party)**

The Town of Innisfil has reviewed the requested revision to the Engineering Design Standards and Specifications and has decided to:

☐ Deny the Request

☐ Support the Request

☐ Request a Meeting to Discuss

Additional Details:

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Reviewed By: \_\_\_\_\_

Date: \_\_\_\_\_

Approved By: \_\_\_\_\_  
 (Town Engineer)

Date: \_\_\_\_\_