

# Educational Series Surveys and Mapping Specifications update March 8, 2023

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## What is changing?

- ▶ Design Engineers are responsible for the collection of all requisite Invert information
- ▶ Requirement to carry out a legal Survey if within 15cm of a property limit
- ▶ Migrating our Horizontal and Vertical Reference Datums

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## Invert Collection... When and How will it be rolled out?

- ▶ Effective this year
- ▶ To be included as part of RFP

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## Why are we doing it?

- ▶ Designer knows which inverts are necessary
- ▶ Clearer understanding as to scheduling and responsibilities
- ▶ Traffic Safety Standards

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## Legal Survey requirement if within 15cm of a property limit... When and How will it be rolled out?

- ▶ Was always a requirement
- ▶ To be included as part of RFP

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## Why are we doing it?

- ▶ Onus is on he who seeks to dispossess...
- ▶ A history of how the process evolved
- ▶ Costs more to do the Legal Survey...when should it be done...
- ▶ Monument protection

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## What are we doing?

- ▶ Migrating our Horizontal Reference from North American Datum (NAD) 83 Original to Canadian Spatial Reference System (CSRS)
- ▶ Migrating our Vertical Reference from Canadian Geodetic Vertical Datum 28 (CGVD 28) to CGVD 2013

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## When and How will it be rolled out?

- ▶ Design will be affected this year through a pilot project with full implementation in 2024
- ▶ Construction will be partially impacted in 2024 with full implementation in 2025

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## Why are we doing it?

- ▶ Better correlation with GPS Technology
- ▶ Not as reliant on Physical control points
- ▶ Easier to update Epochs going forward

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## Who are the stakeholders?

- ▶ Surveyors
- ▶ Designers
- ▶ Constructors
- ▶ Developers
- ▶ Internal City Programmes

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## How can It affect you?

- ▶ Magnitude of change is only 30cm
- ▶ Know your data and datum
- ▶ Control points delivered as part of project
- ▶ Understanding what system associated data may be in

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## Questions?

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