

# Conversion of Vertical and Horizontal Datums

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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

## When and How will it be rolled out?

- ▶ Design was affected in 2023 through a pilot project with full implementation in 2024
- ▶ Construction will be partially impacted in 2024 with staggered implementation as we move forward

## Why are we doing it?

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

# Who are the stakeholders?

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

## 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

# Questions?