

Unified Mapping of Underground Infrastructure in Ontario

A Strategy for the Future

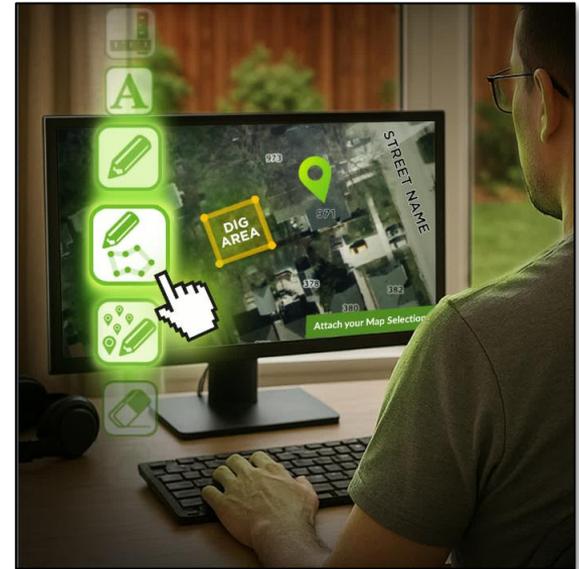
January 2026



Ontario One Call

Ontario's **Public Safety Administrative Authority** for underground infrastructure

- **Mandate:** administers the *Ontario Underground Infrastructure Notification System Act, 2012*.
- **Role:** the mandatory link connecting every excavator in the province with underground asset owners.
- **Purpose:** to protect Ontario's people, essential services, and economy by ensuring safe excavation.
- **Governance:** a non-profit organization funded by industry (underground infrastructure owners), operating under the oversight of the Ministry of Public and Business Service Delivery and Procurement.



Our Transformation Journey

Ontario One Call has moved beyond locate notifications to drive accountability, compliance, and safety outcomes across the province.

Transformation from a notification service and coordinator of locate requests to an **active regulator and enforcer**.

Ability to levy **administrative penalties** and enforce compliance.

The **dedicated locator model** gives control of timelines to project owners for efficiency.

OOC's 2025-27 Strategic Goals

Reduce Damages to Underground Infrastructure

Continuous Improvement in Locate Timeliness

Increase the Effectiveness & Quality of the Locate Request Process

Increase Operational Efficiency & Build an Innovative Workforce

Supporting Rural Communities

Ontario One Call enables safe and reliable excavation through:

- **Standardized province-wide coordination:** streamlining locate requests across the entire province to ensure a consistent process for every dig.
- **Reliable locate delivery:** ensuring timely locates that support capital works and seasonal maintenance.
- **Transparent compliance reporting:** holds excavators accountable for safe digging practices.
- **Public awareness campaigns:** to ensure excavators and homeowners call before they dig, reducing unauthorized excavation.

As the Public Safety Administrative Authority responsible for operating a locate notification system and promoting safe digging, **Ontario One Call** coordinates:

1 million
dig requests every year
that generate approximately

6 million
notifications to underground
infrastructure owners



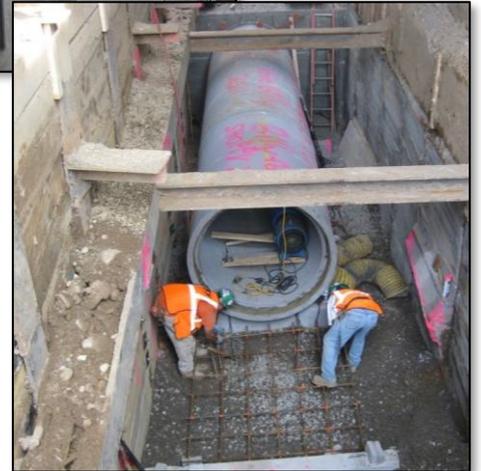
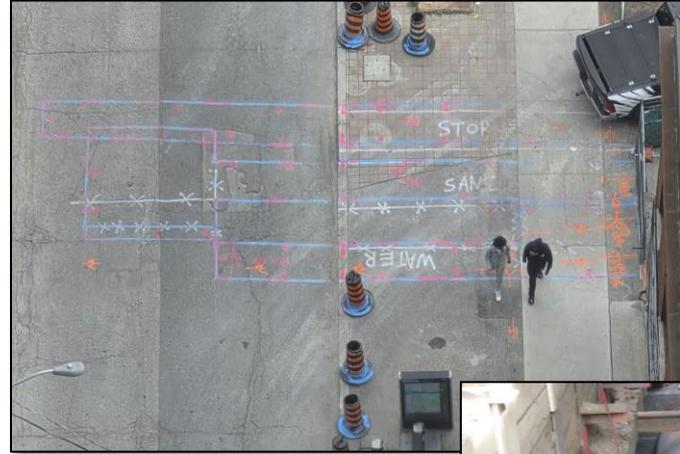
The Underground Data Challenge

Background: Ontario's underground infrastructure is owned and managed by 800+ distinct owners, each storing asset data in various systems and data formats.

Challenge: Ontario faces growing challenges in ensuring public safety and efficient infrastructure delivery based on fragmented and inconsistent underground infrastructure mapping data.



- **Safety risks**
- **Manual processing**
- **Excavation delays**
- **Unnecessary notifications**



A Unified Strategy for Ontario

The **Ontario Underground Infrastructure Mapping Strategy** was developed as part of Ontario One Call's partnership with Infrastructure Ontario and AtkinsRéalis. Anchored in proven international models and tailored to Ontario's context, the Strategy demonstrates how underground asset data could be collected, stored and shared through a secure, centralized platform to achieve substantial economic benefits.



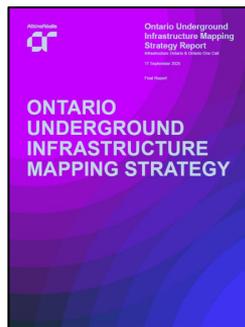
Building Ontario
Bâtir l'Ontario

Ontario



The strategy supports the government's plan to:

- **protect workers and public safety**
- **safeguard critical infrastructure**
- **accelerate Ontario's ambitious infrastructure build agenda**



Ontario



The strategy is projected to **unlock \$1.3 billion** in economic benefits for Ontario over a decade through **damage avoidance, improved worker and public safety, better data acquisition, and excavation efficiencies.**

Unlocking Social and Economic Value

Public Safety

Fewer infrastructure strikes will keep Ontarians safe



Damage Prevention

Clearer identification of Ontario's most critical assets will keep them better protected



Worker Safety

Enhanced mapping protects workers from harm & avoids dangerous scenarios



Innovation

Seamless integration with current and future technology, such as digital twins and AI-powered analytics



Efficiency

Faster project delivery and streamlined locate processes



\$1.3 billion in economic value over 10 years

projected economic benefits of over \$161 million per year

\$25M – savings from infrastructure strike avoidance
\$87M – savings from reduced data acquisition costs
\$49M – onsite efficiency improvements for excavation

Building the Digital Foundation Together

This initiative is about **partnership** and building a solution collaboratively. **Ontario One Call wants to:**

Co-create the data model

Shape the new provincial data model together to ensure it reflects the technical realities of rural communities.

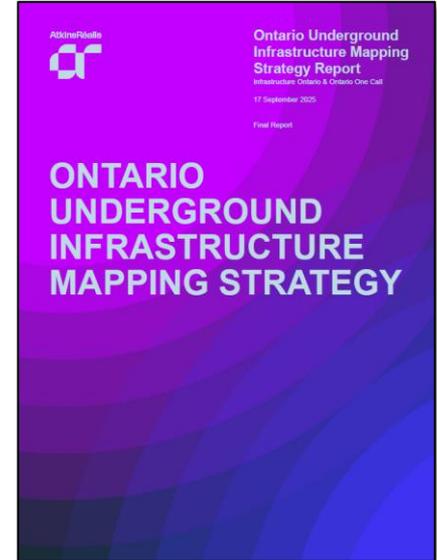
Align with existing operations

Incorporate feedback on the design of the platform and data ecosystem so that it fits your current systems and digital maturity.

Validate the value

Partner on pilots to prove that the platform delivers tangible safety and efficiency gains for your crews.

We will be conducting comprehensive stakeholder consultations and engagements as part of the design and build of a solution – we want you to be part of those discussions.





Thank You

