

Town of Erin

Erin Wastewater System Project Update

Construction Liaison Committee Meeting

February 28, 2023

Nick Colucci, P.Eng.
Director of Infrastructure and
Engineering Services



www.erin.ca



AGENDA

- The Work
- Traffic Management Plan
- Business Survey Results
- Communication Strategy
- Business Impact Group
- Questions
- Next Meeting



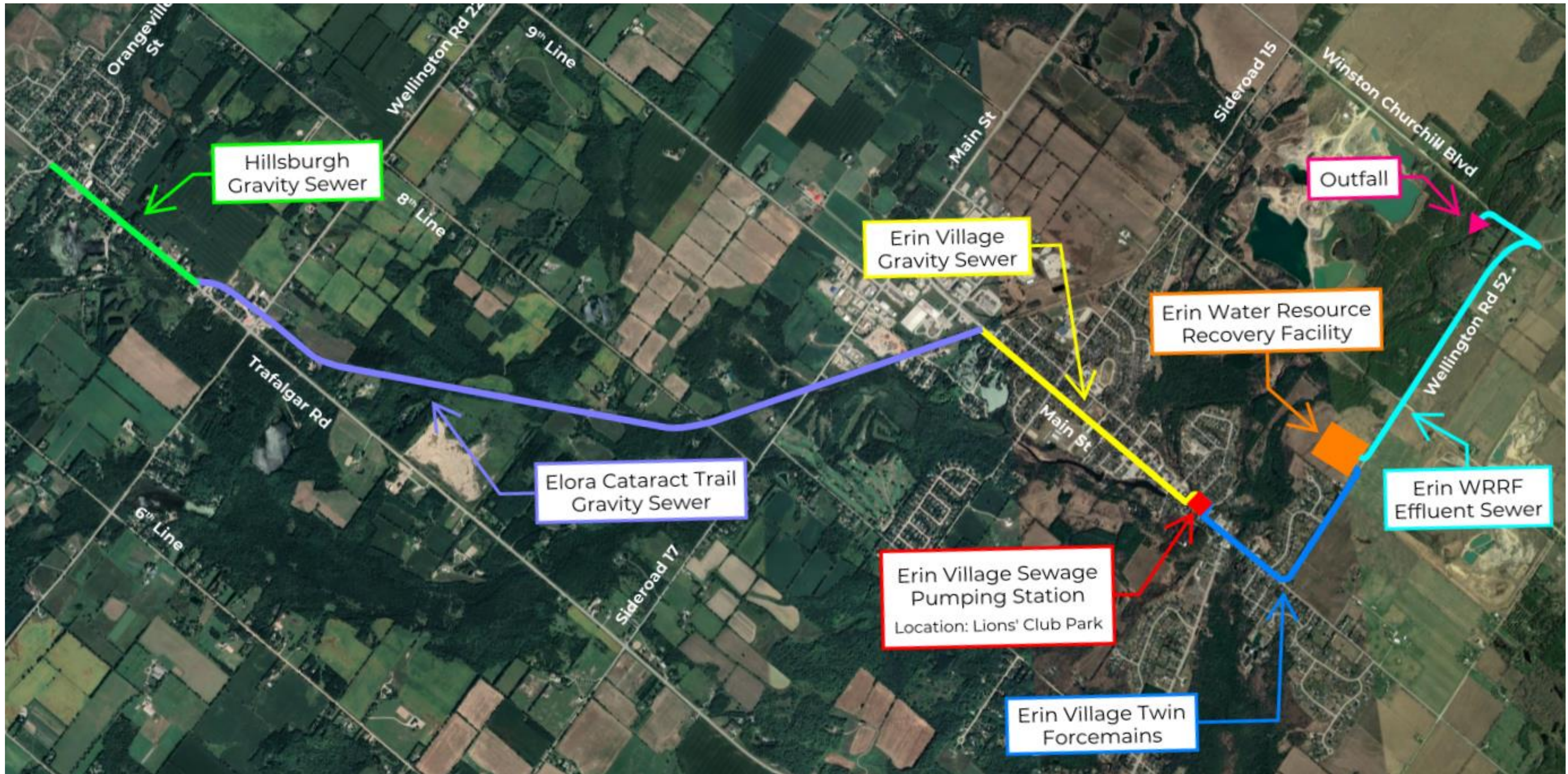
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Erin Main St. Traffic Management Plan

The Work - Erin Wastewater System Overview



Wastewater Project – Construction Notice – Dec. 6, 2022



Construction Notice

December 06, 2022

ERIN & HILLSBURGH LINEAR WORKS

Contract: 2022-04W
Anticipated Start Date: December 2022
Anticipated End Date: April 2024
**Timeline is subject to change.*

In August 2019, the Town of Erin completed the Urban Centre Wastewater Servicing Schedule 'C' Class EA process which investigated and determined the preferred Wastewater Servicing solution for the existing residents and future developments within Erin Village and the community of Hillsburgh.

The preferred Wastewater Servicing solution included the following infrastructure.

- Sanitary gravity sewer in Hillsburgh along Trafalgar Road
- Sanitary gravity sewer along the Elora-Cataract Trail from Hillsburgh to Erin Village
- Sanitary gravity sewer in Erin Village along Main St.
- Twin sanitary forcemains from the Sewage Pumping Station (SPS) located in Lion's Club Park in Erin Village to the Water Resource Recovery Facility (WRRF).

A map of the entire work area can be found on Page 3 of this notice.

Construction of the linear works is anticipated to take approximately 17 months to complete as different sections will be constructed at different times depending on the area and method of construction. Work is anticipated to start in December 2022 and last until April 2024.

Additional 'Upcoming Construction Work' notices will be issued as different linear work sections are started during the contract duration.

NOTICE FOR UPCOMING CONSTRUCTION WORK

The twin sanitary forcemains will commence construction December 2022 with work starting at the WRRF and working towards the SPS. A map of this work area can be found on Page 4 of this notice.



Construction Notice

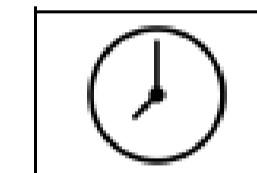
WORK DETAILS

In the first few weeks, the Town's Contractor will move equipment on-site and prepare the work area before construction begins. Construction crews will then:

- Install sediment and erosion control measures
- Excavate and install twin forcemain pipes
- Complete final site works and restore disturbed areas to original or better condition

WHAT TO EXPECT DURING CONSTRUCTION

- You may experience inconveniences such as road restrictions, increased truck traffic, dirt on roads, dust and noise. The Town, along with the Contractor, will make every effort to minimize these impacts to the community.
- The Town will not be responsible for damage to any privately owned items on Town or County property.



Work Hours: Work will take place from 7:00 a.m. to 5:00 p.m., Monday to Friday. Work after hours or on weekends may be required during the course of construction.



Traffic Management: Efforts will be made to manage traffic around the work area for the safety of workers, road users and residents. Road users should expect delays and increased traffic on Wellington Road 52 and the south end of Main St. and the side streets around the work area.

Traffic on Wellington Road 52 and Main St. will be reduced to one lane during the construction period.

Access for emergency vehicles and pedestrians will be maintained at all times.

We appreciate your understanding and patience



Construction Notice

MORE INFORMATION AND CONSTRUCTION UPDATES

If you have questions about the upcoming work, please contact us.

	communications@erin.ca
	519-855-4407
	erin.ca
PLEASE FOLLOW THE TOWN'S SOCIAL MEDIA FOR CONSTRUCTION UPDATES	

MAP OF THE ENTIRE WORK AREA



Construction Notice

MAP OF THE TWIN FORCEMAIN WORK AREA

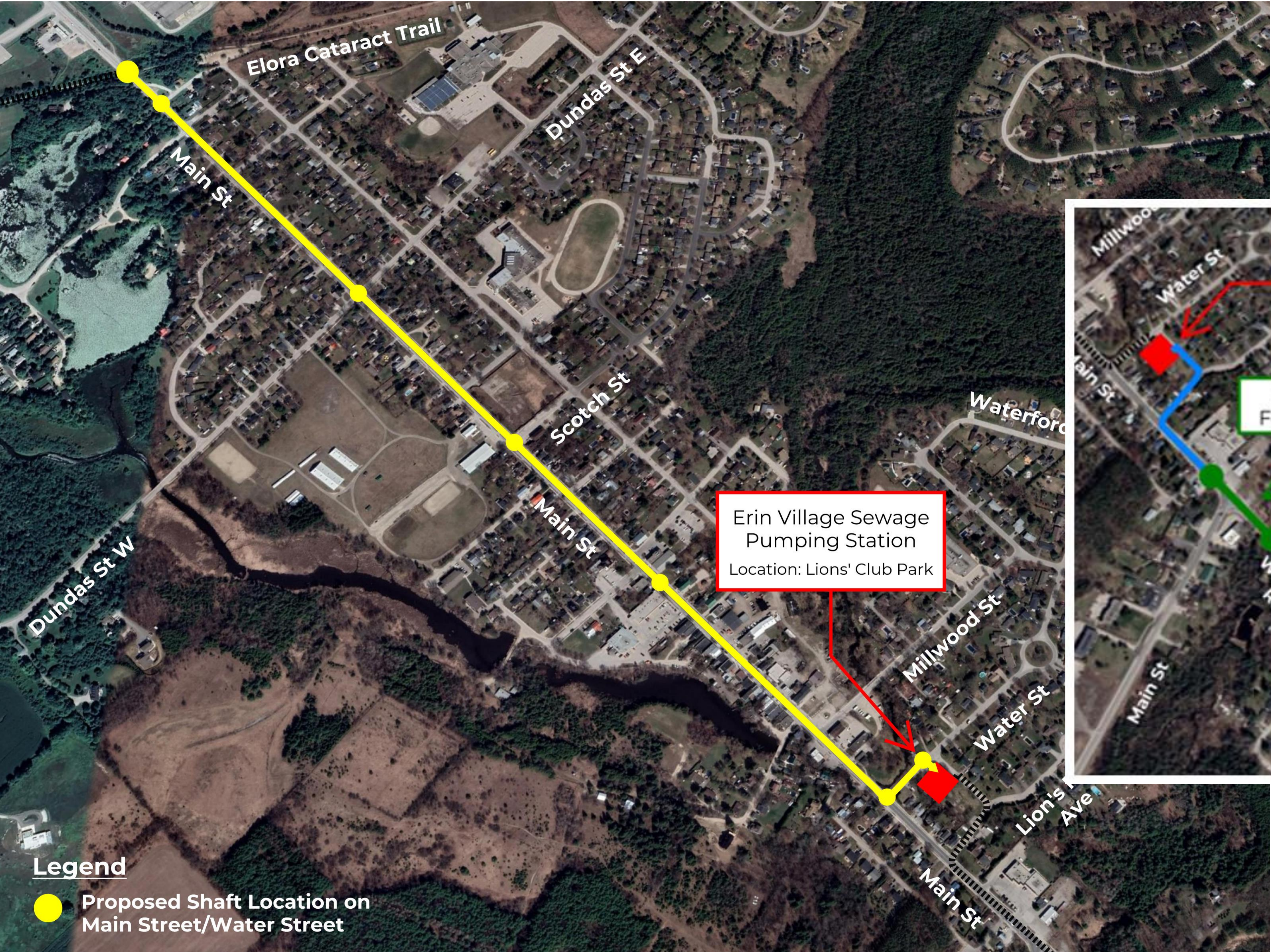


Erin Main St. Traffic Management Plan

Forcemain
Construction -
Wellington Rd.
52 and 9th Line



Erin Village Gravity Sewer / Twin Forcemain



Legend

- Proposed Shaft Location on Main Street/Water Street

Trenchless Pipe Installation

Micro-tunneling Method

- Micro-tunneling is a trenchless tunnel construction method that is widely used for the installation of sewer, water and gas pipelines, and telecommunications cables.
- Micro-tunnel boring machines use **laser-guided remote control** and therefore best suited for pipelines that require precise grades, such as gravity sewers.
- Micro-tunneling involves constructing shafts and tunneling from shaft to shaft. The shafts are constructed without open excavation.
- In comparison to the traditional open-cut pipe installation method, micro-tunneling is **less disruptive** in nature and has a **lower carbon footprint**.



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Erin Village - Shaft Locations



Trenchless Pipe Installation

Micro-tunneling Method

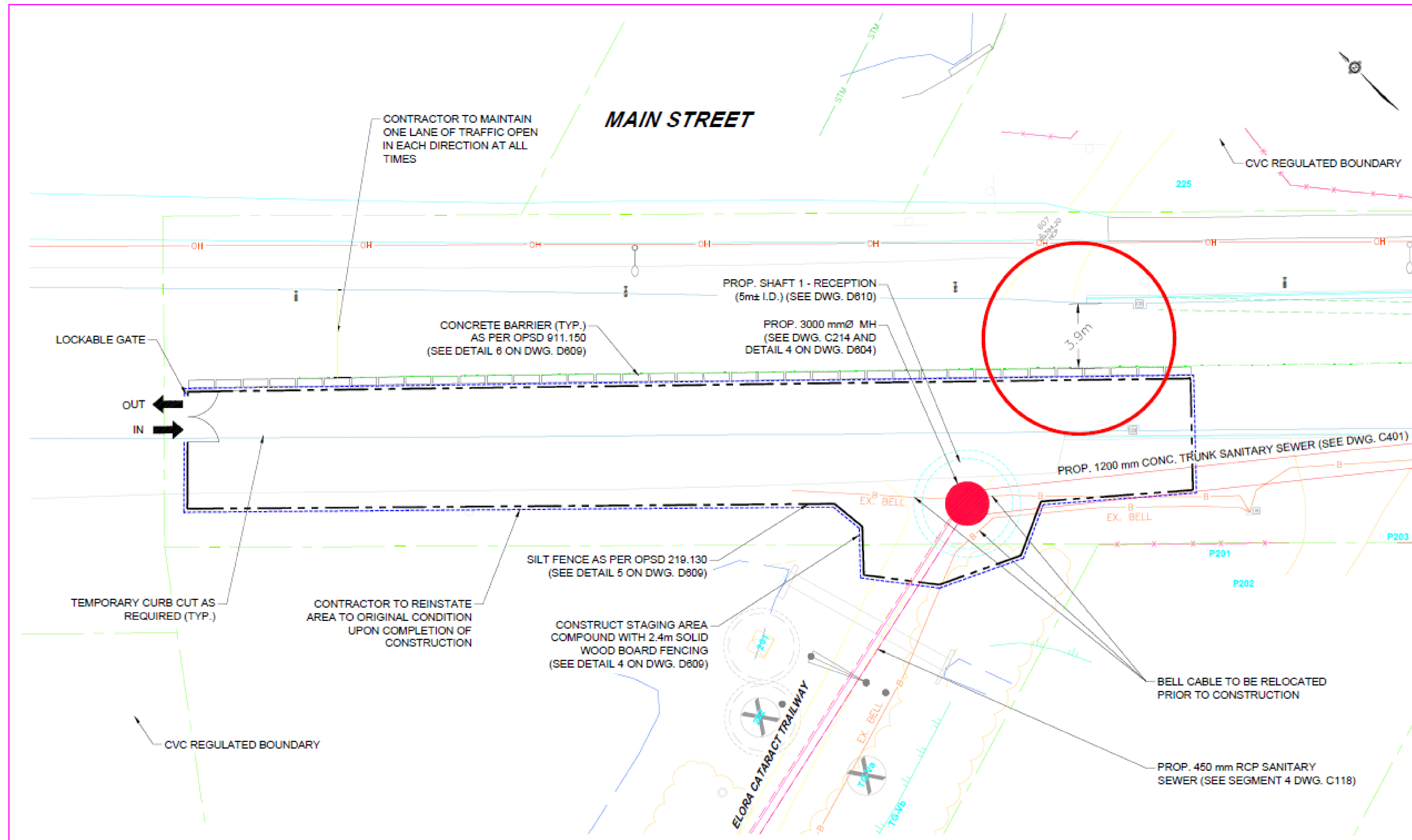
Compound No. 1	3.9 meters	Two Lanes
Compound No. 2	6.5 meters	Two Lanes
Compound No. 3	4.1 meters	Two Lanes
Compound No. 4	6.2 meters	Two Lanes
Compound No. 5	6.1 meters	Two Lanes
Compound No. 6	5.2 meters	Two Lanes
Compound No. 7	6.5 meters	Two Lanes
Compound No. 8	3.2 meters	One Lane



Twin Forcemain Construction Signage currently in place

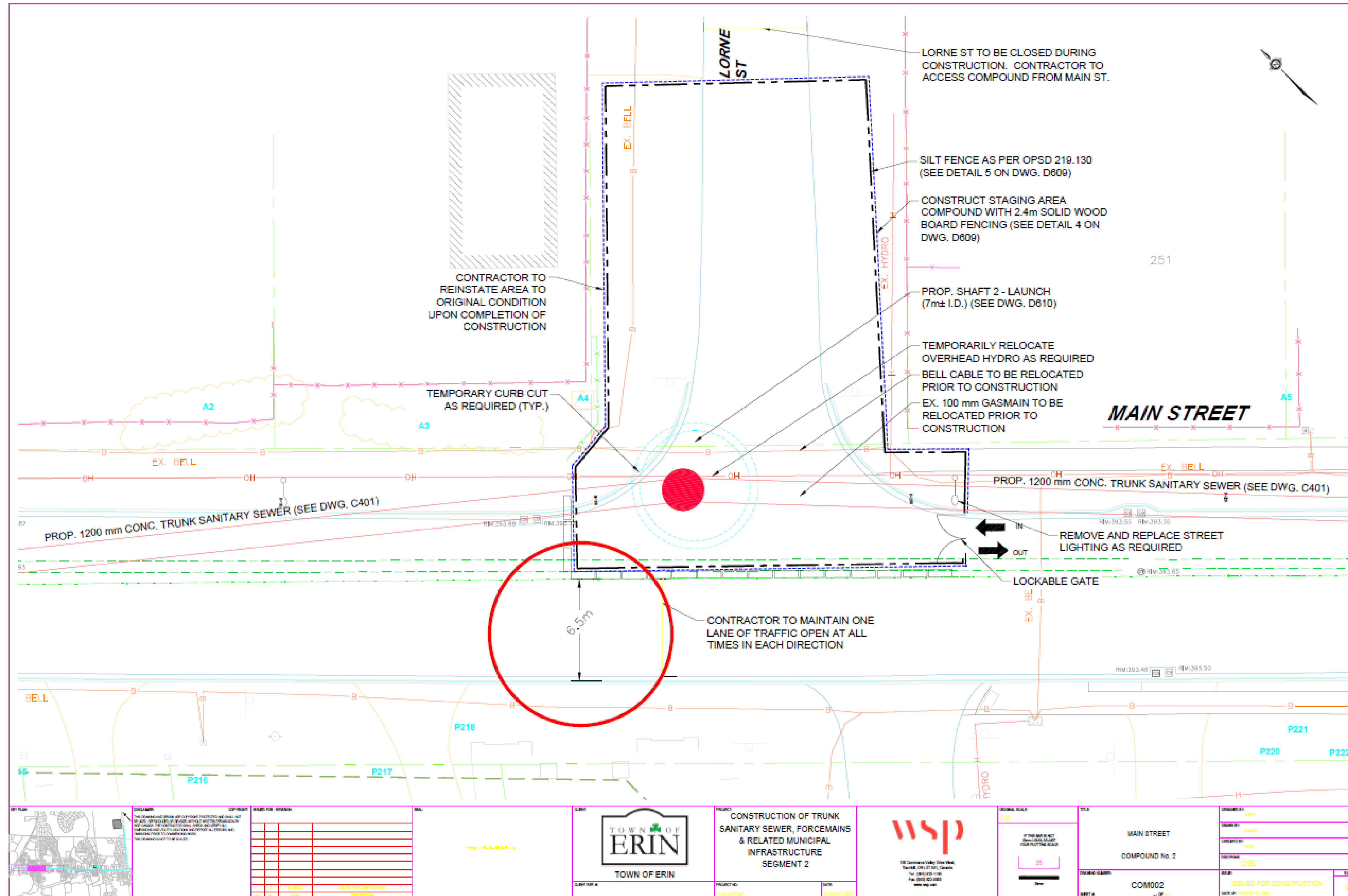


Micro-tunneling Compound No. 1



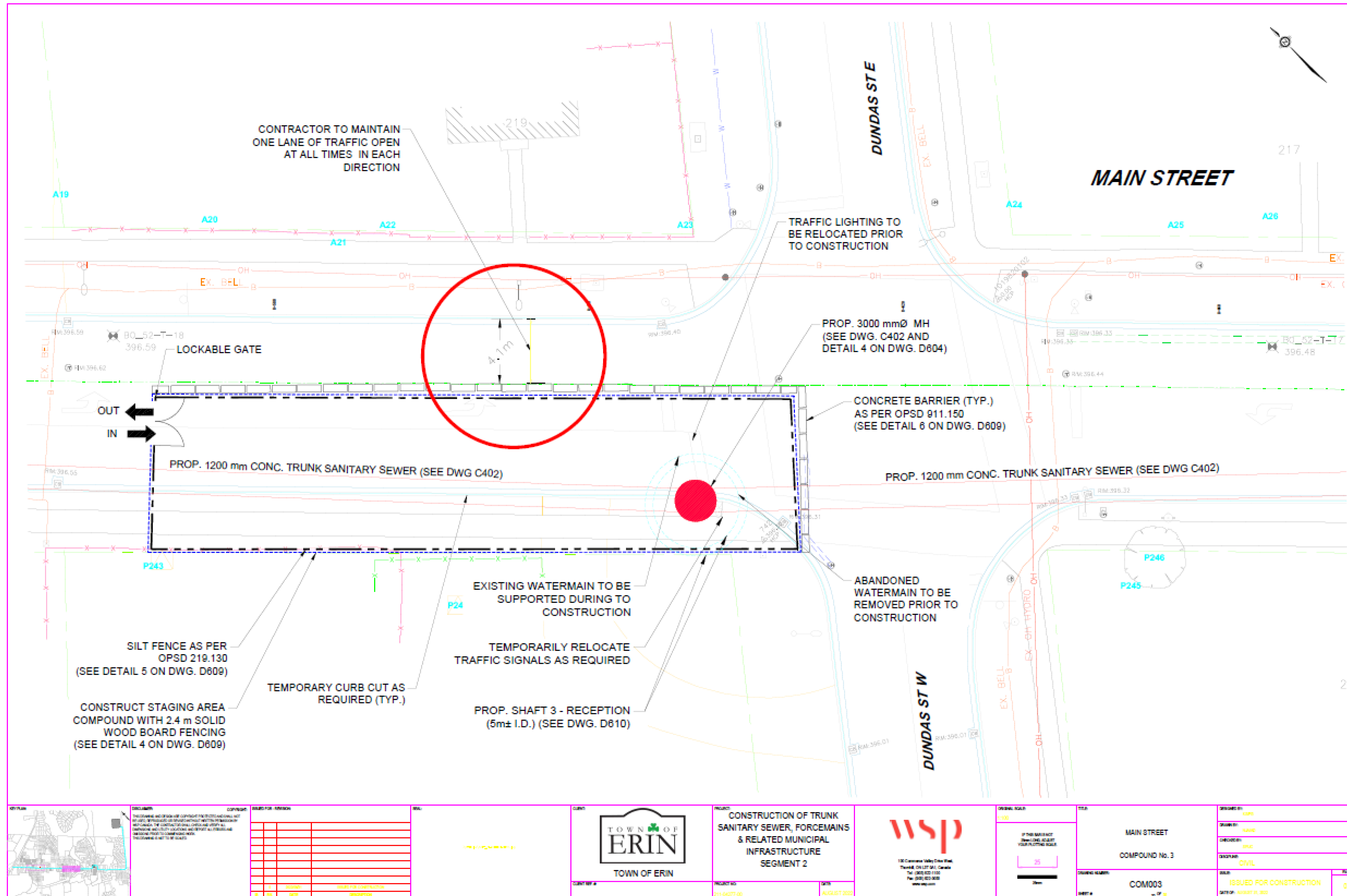
	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION																												<p>TOWN OF ERIN</p>	<p>PROJECT</p> <p>CONSTRUCTION OF TRUNK SANITARY SEWER, FORCEMAINS & RELATED MUNICIPAL INFRASTRUCTURE SEGMENT 2</p>		<p>DATE</p> <p>AUGUST 2022</p>	<p>TITLE</p> <p>MAIN STREET COMPOUND No. 1</p>	<p>ISSUED FOR CONSTRUCTION</p>
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<p>PROJECT NO.</p> <p>11-240720</p>	<p>DATE</p> <p>AUGUST 2022</p>	<p>PROJECT NO.</p> <p>COM001</p>	<p>DATE</p> <p>AUGUST 21, 2022</p>																																		

Micro-tunneling Compound No. 2



	DISCLAIMER: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF ERIN AND THE PROVINCE OF ONTARIO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF ERIN AND THE PROVINCE OF ONTARIO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE TOWN OF ERIN AND THE PROVINCE OF ONTARIO.	CONFIDENTIAL THIS DRAWING IS THE PROPERTY OF WSP AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF WSP.	REVISIONS: <table border="1"> <tr><th>NO.</th><th>DESCRIPTION</th><th>DATE</th></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </table>	NO.	DESCRIPTION	DATE																													PROJECT: CONSTRUCTION OF TRUNK SANITARY SEWER, FORCEMAINS & RELATED MUNICIPAL INFRASTRUCTURE SEGMENT 2		ORIGINAL SCALE: 1:25 IF THIS SCALE IS NOT SHOWN, THE SCALE SHALL BE AS SHOWN ON THE DRAWING.	TITLE: MAIN STREET COMPOUND No. 2	DESIGNED BY: CIVIL	ISSUED FOR CONSTRUCTION DATE: AUGUST 11, 2022
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Micro-tunneling Compound No. 3



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 THE TOWN OF ERIN AND WSP ENGINEERING INC. ACCEPT NO LIABILITY FOR ANY DAMAGE TO PERSONS OR PROPERTY CAUSED BY THE CONSTRUCTION OF THE PROJECT OR ANY OTHER CAUSE. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES PRIOR TO COMMENCING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES PRIOR TO COMMENCING CONSTRUCTION.

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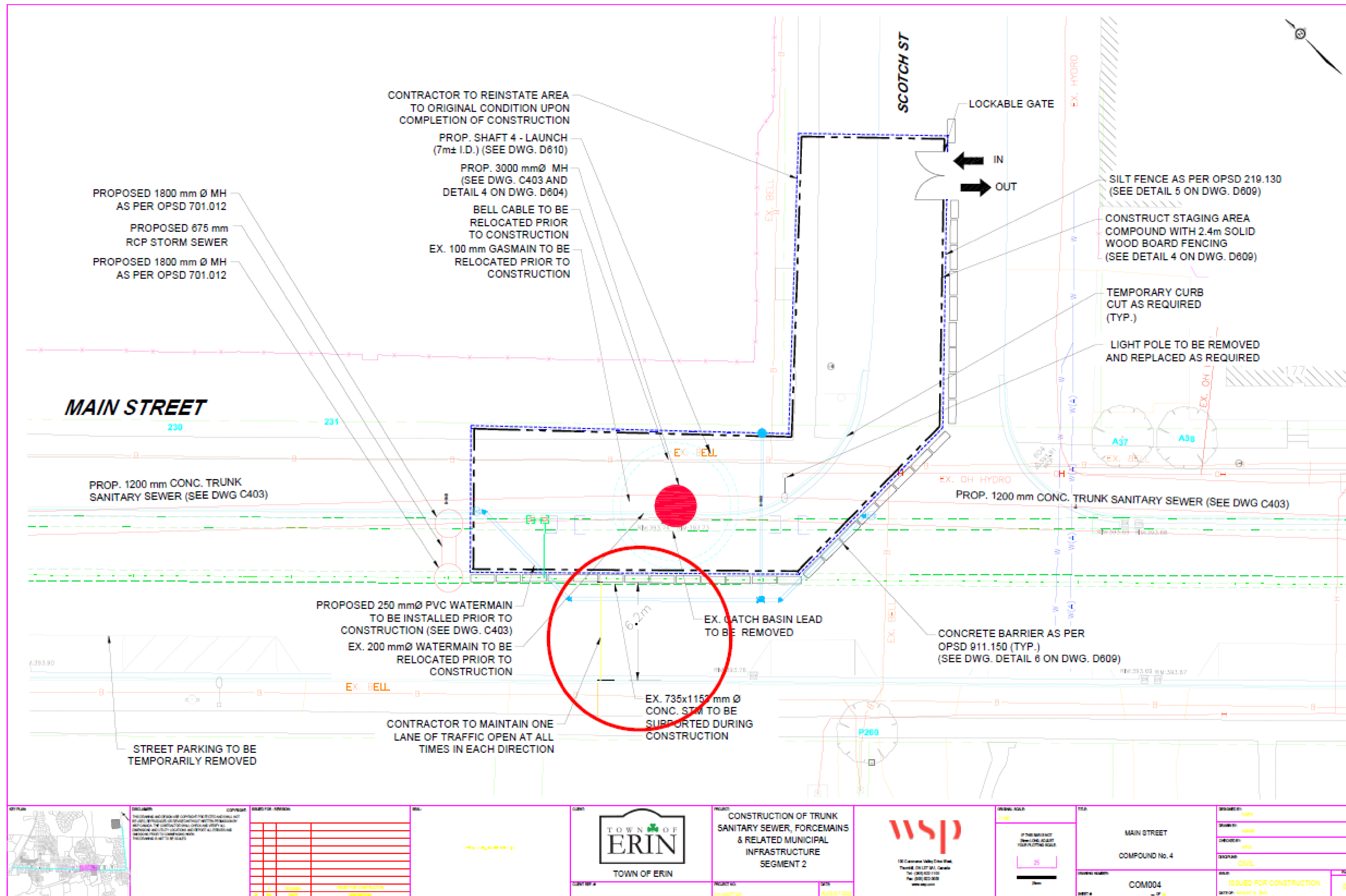
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 & RELATED MUNICIPAL
 INFRASTRUCTURE
 SEGMENT 2



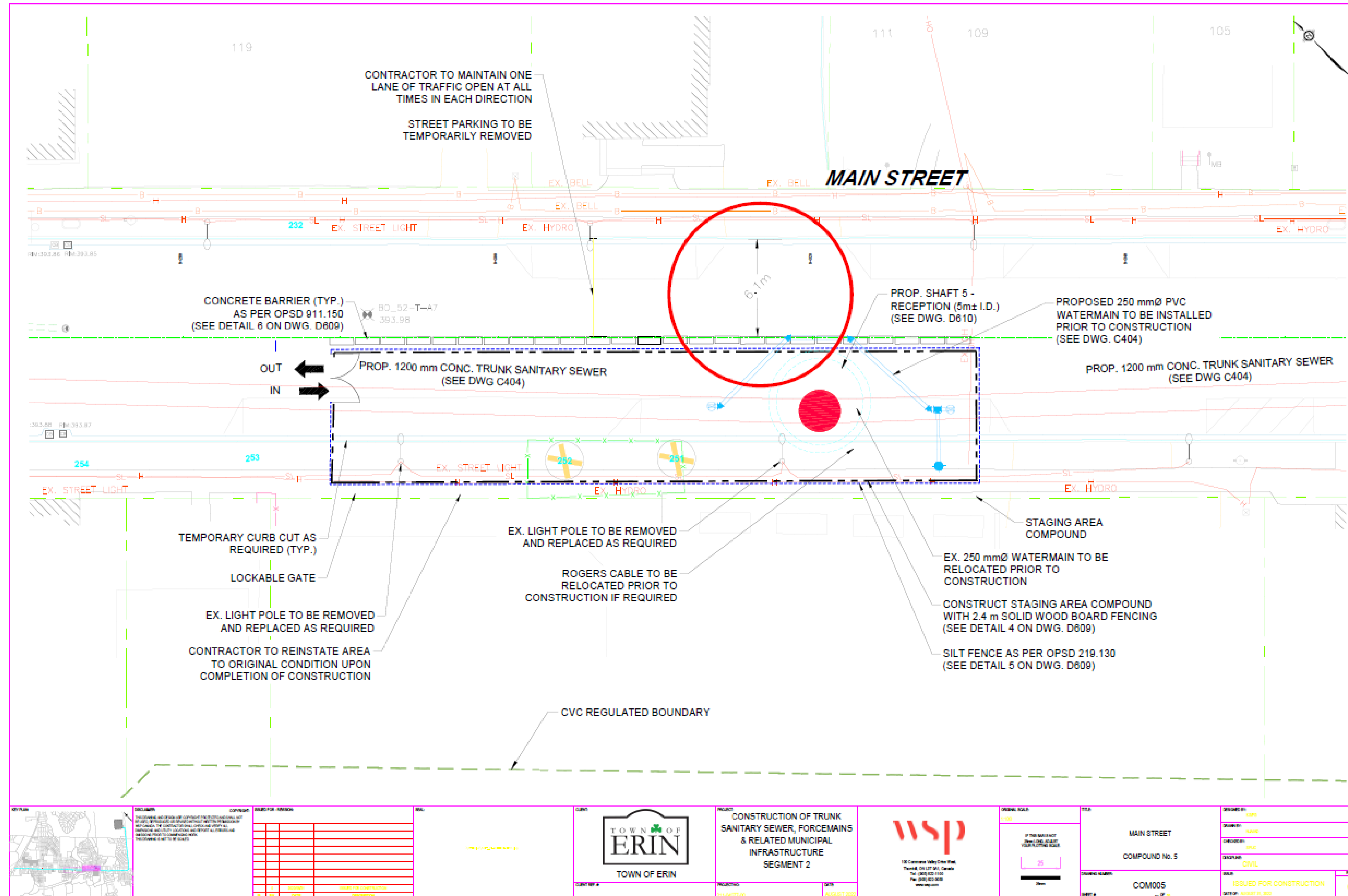
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DATE	ISSUED FOR CONSTRUCTION
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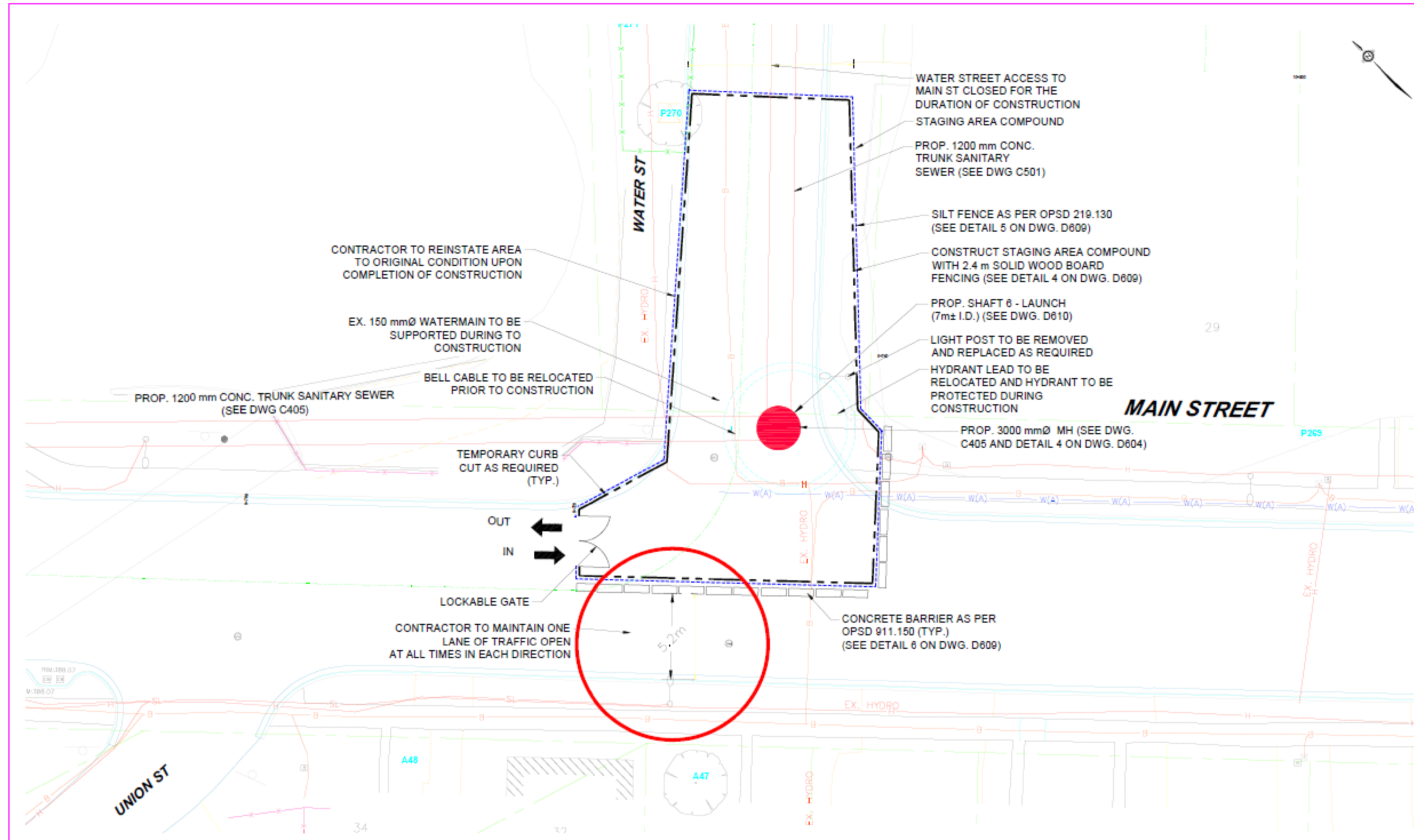
Micro-tunneling Compound No. 4



Micro-tunneling Compound No. 5

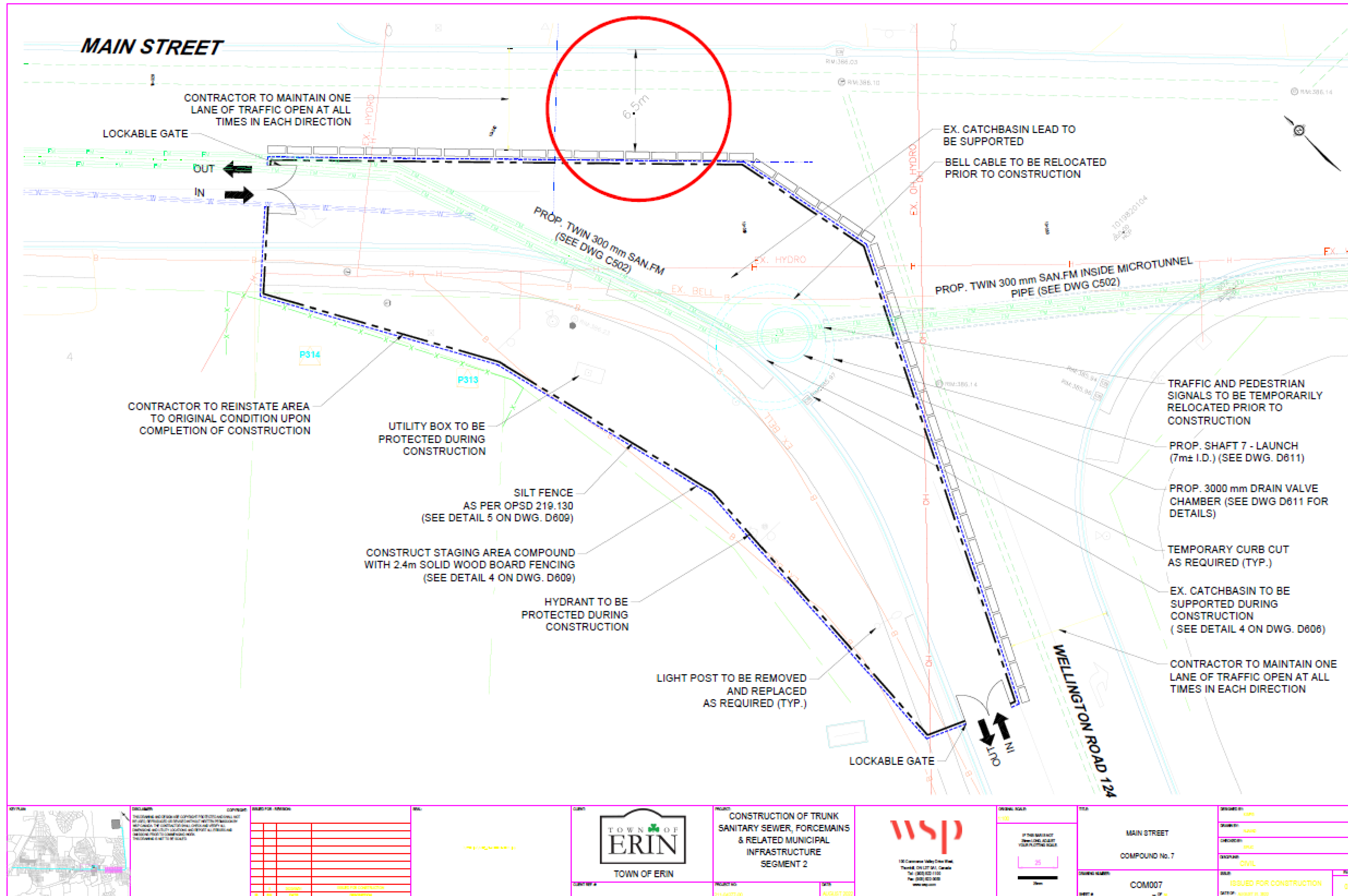


Micro-tunneling Compound No. 6



	<p>CONTRACTOR TO REINSTATE AREA TO ORIGINAL CONDITION UPON COMPLETION OF CONSTRUCTION</p> <p>EX. 150 mmØ WATERMAIN TO BE SUPPORTED DURING TO CONSTRUCTION</p> <p>BELL CABLE TO BE RELOCATED PRIOR TO CONSTRUCTION</p> <p>TEMPORARY CURB CUT AS REQUIRED (TYP.)</p> <p>LOCKABLE GATE</p> <p>CONTRACTOR TO MAINTAIN ONE LANE OF TRAFFIC OPEN AT ALL TIMES IN EACH DIRECTION</p>	<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISION</th> <th>DATE</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	REVISION	DATE																															<p>TOWN OF ERIN</p>	<p>PROJECT: CONSTRUCTION OF TRUNK SANITARY SEWER, FORCEMAINS & RELATED MUNICIPAL INFRASTRUCTURE SEGMENT 2</p> <p>PROJECT NO: 11126077.00</p> <p>DATE: AUGUST 2022</p>	<p>100 Commerce Valley Drive West Thornhill, ON L3T 9W6, Canada Tel: 905.882.1100 Fax: 905.882.3608 www.wsp.com</p>	<p>SCALE: 1:25</p> <p>IF THIS DRAWING IS NOT ON THE LISTED SCALE, THE SCALE SHALL BE 1:25.</p>	<p>TITLE: MAIN STREET COMPOUND No. 6</p>	<p>PROJECT NUMBER: COM006</p> <p>DATE: AUGUST 11, 2022</p>	<p>DESIGNED BY: J. L. [Name]</p> <p>DRAWN BY: [Name]</p> <p>CHECKED BY: [Name]</p> <p>DATE: [Date]</p>	<p>ISSUED FOR CONSTRUCTION</p>
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Micro-tunneling Compound No. 7



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 INFRASTRUCTURE
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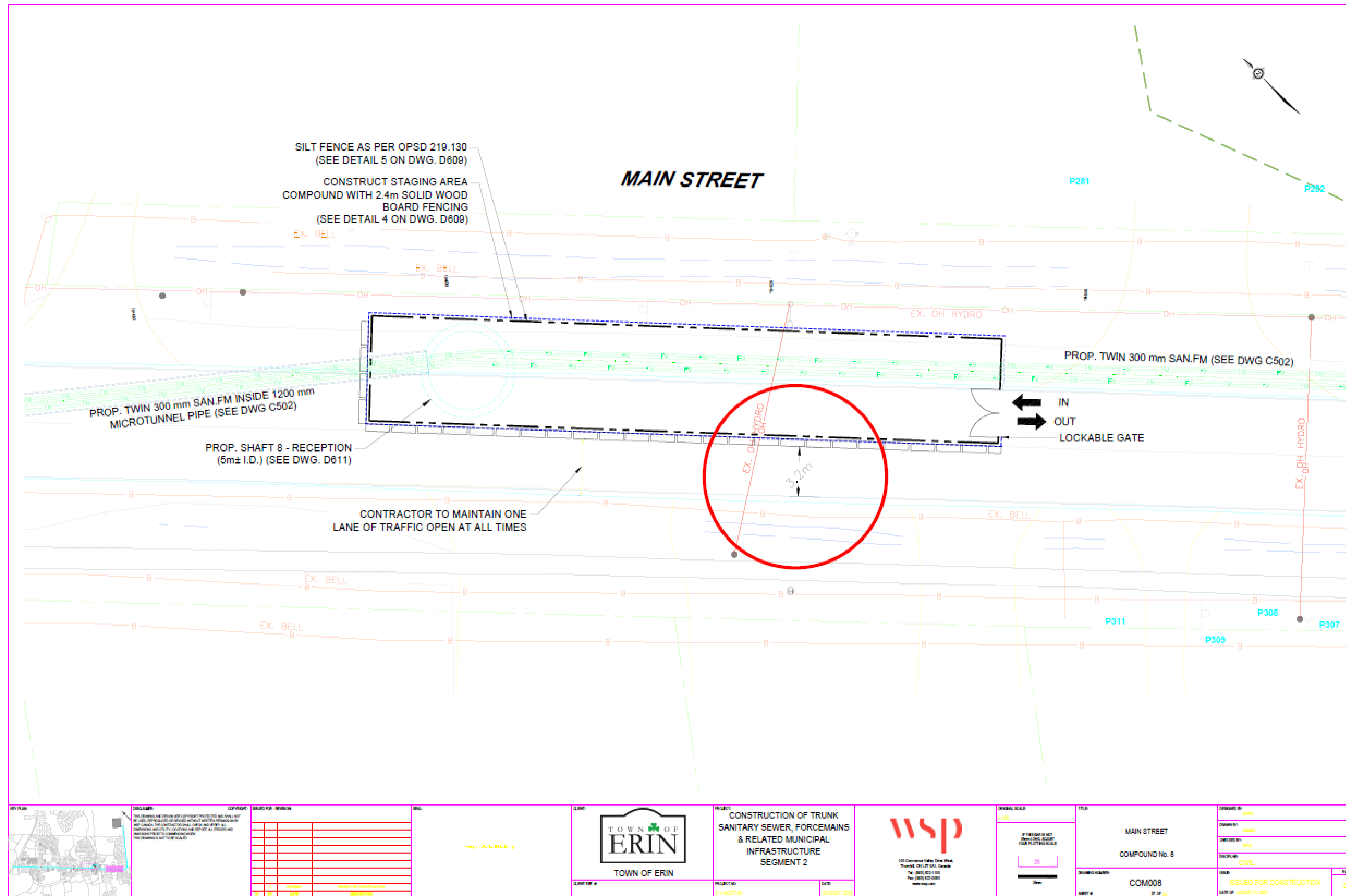


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 MAIN STREET
 COMPOUND No. 7
PROJECT NUMBER
 COM007

NO.	DESCRIPTION	DATE	BY

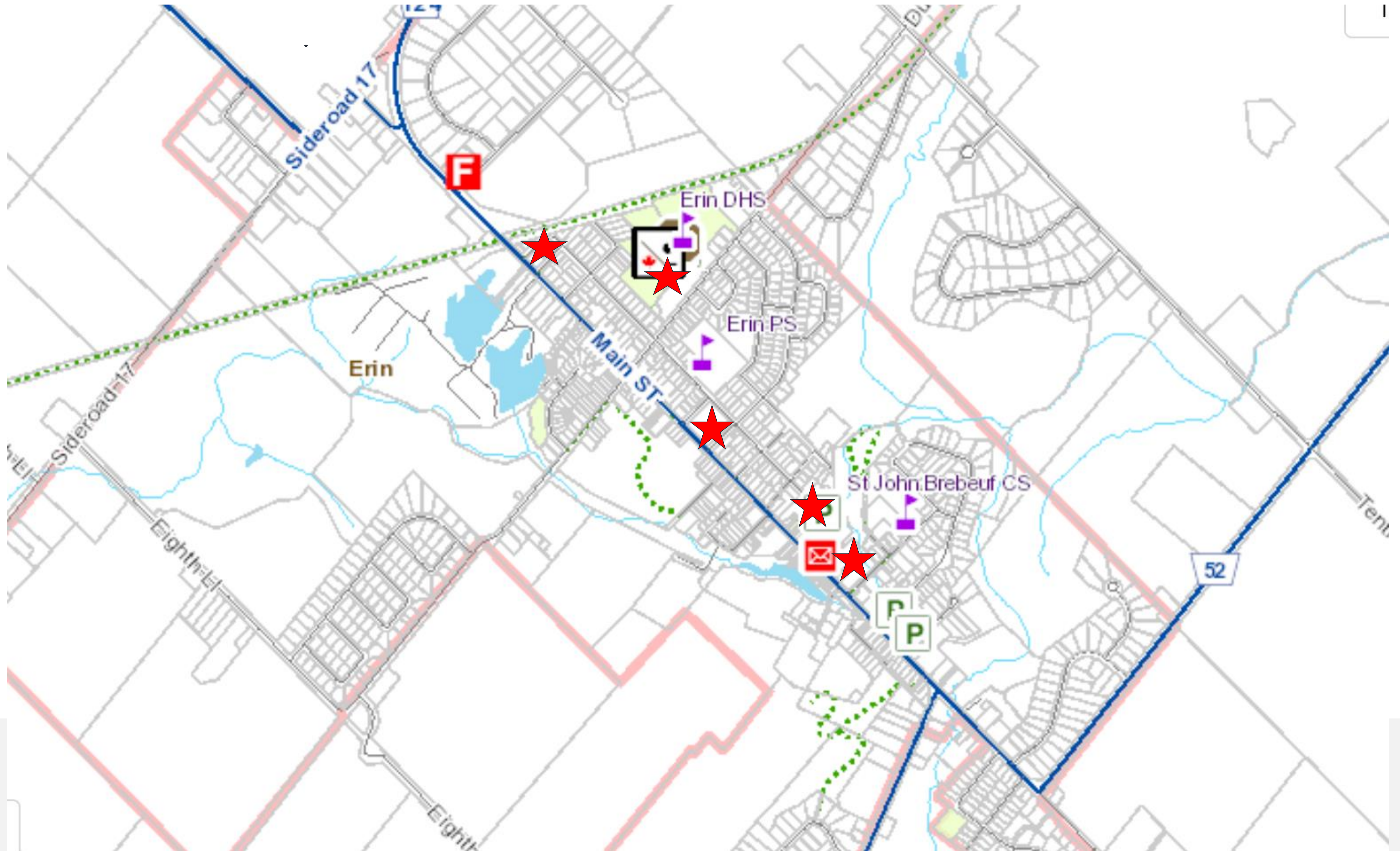
Micro-tunneling Compound No. 8



Erin Main St. Traffic Management Plan

- **EMERGENCY SERVICES**
 - Two-Way traffic will be maintained to meet emergency service response time needs
- **SAFETY**
 - for the pedestrians, drivers and the contractors
- **ACCESS**
 - to all residences, businesses and streets...at all times
- **Minimize disruptions and delays**
 - eliminating driver confusion and frustration will make the experience better for all parties

Erin Possible Parking Locations



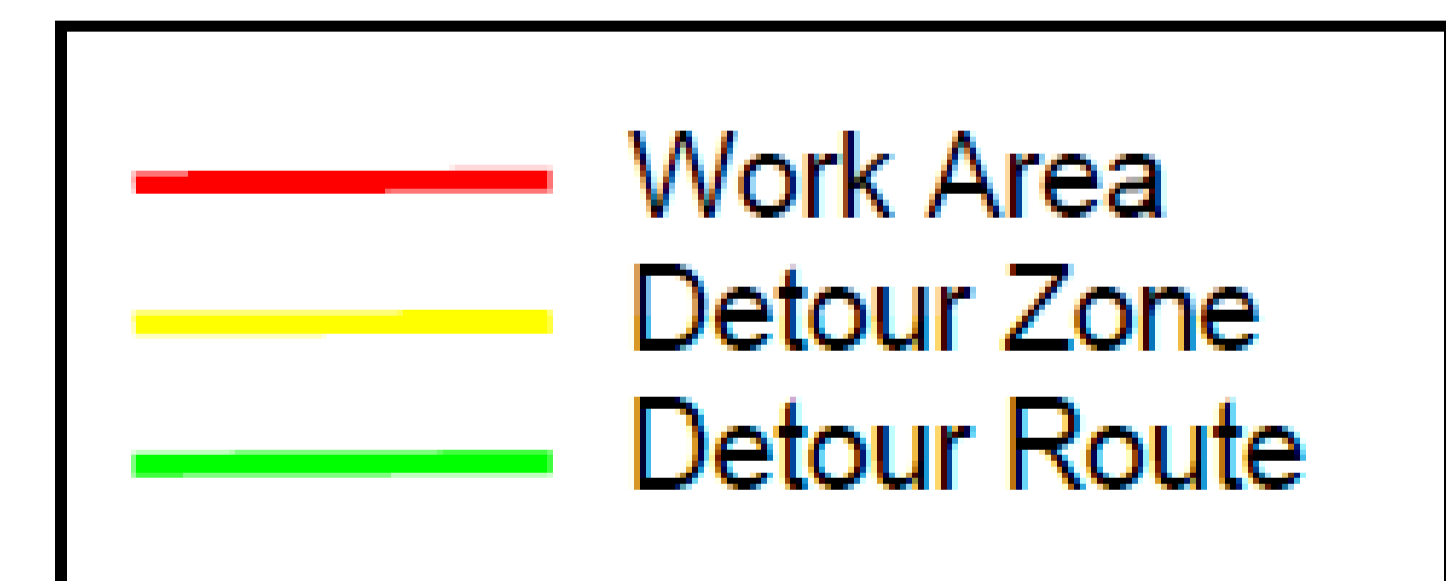
Erin Traffic Management Plan - Detour Route



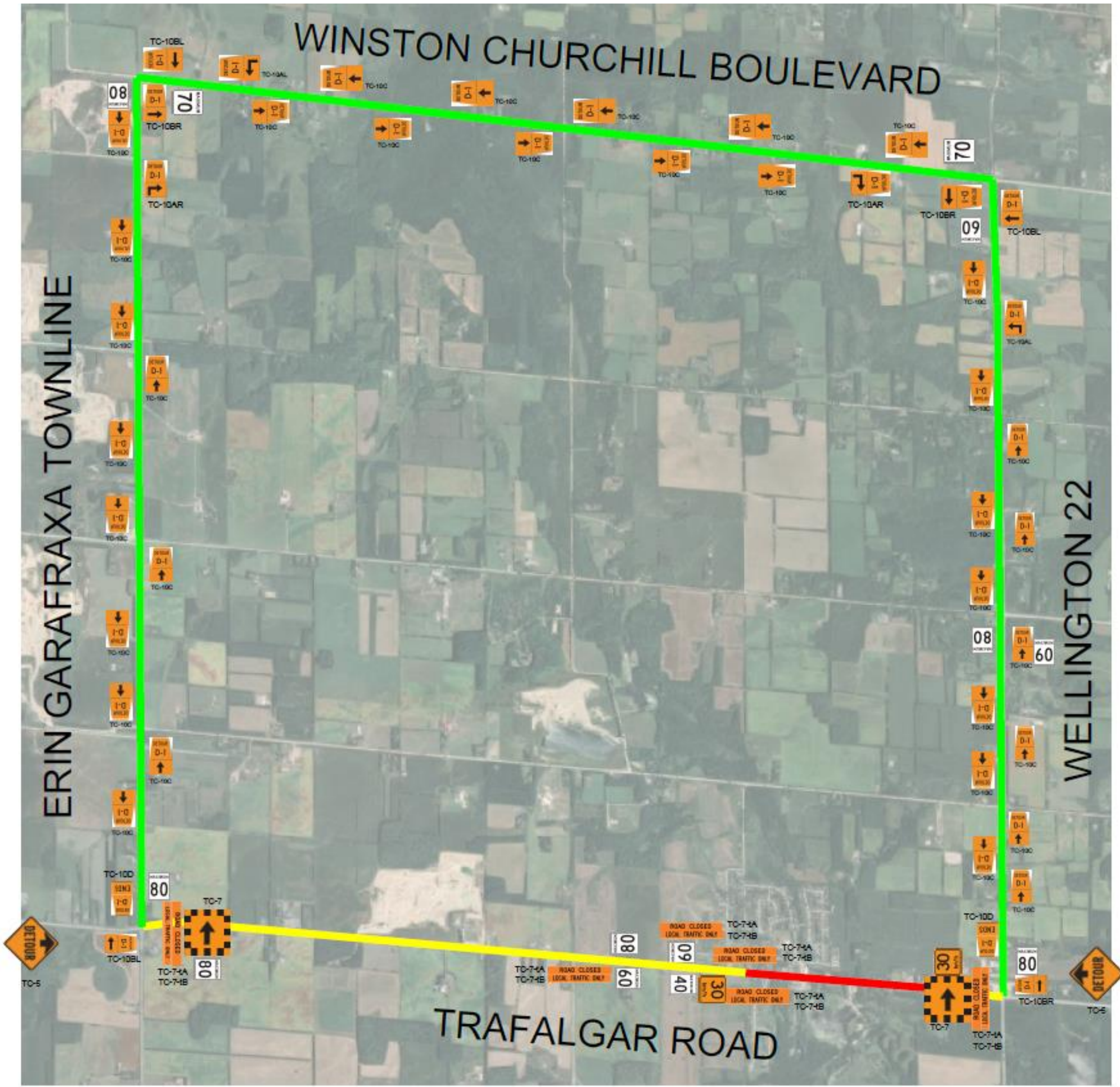
Erin Traffic Management Plan - Detour Route






Hillsburgh Traffic Management Plan Work Zone

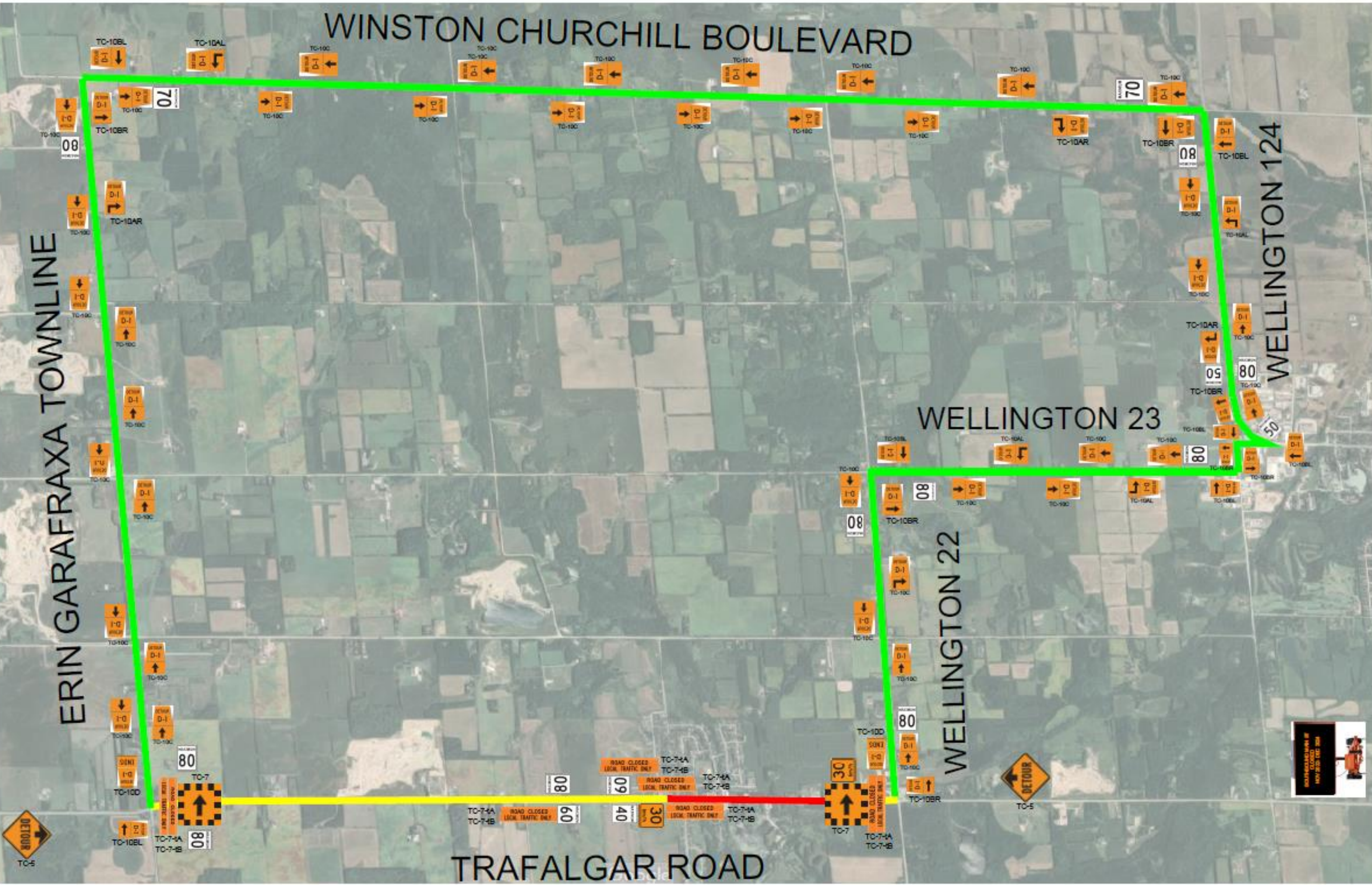


Hillsburgh Traffic Management Plan - Detour



	Work Area
	Detour Zone
	Detour Route

Hillsburgh Traffic Management Plan - Detour



- Work Area
- Detour Zone
- Detour Route

AGENDA

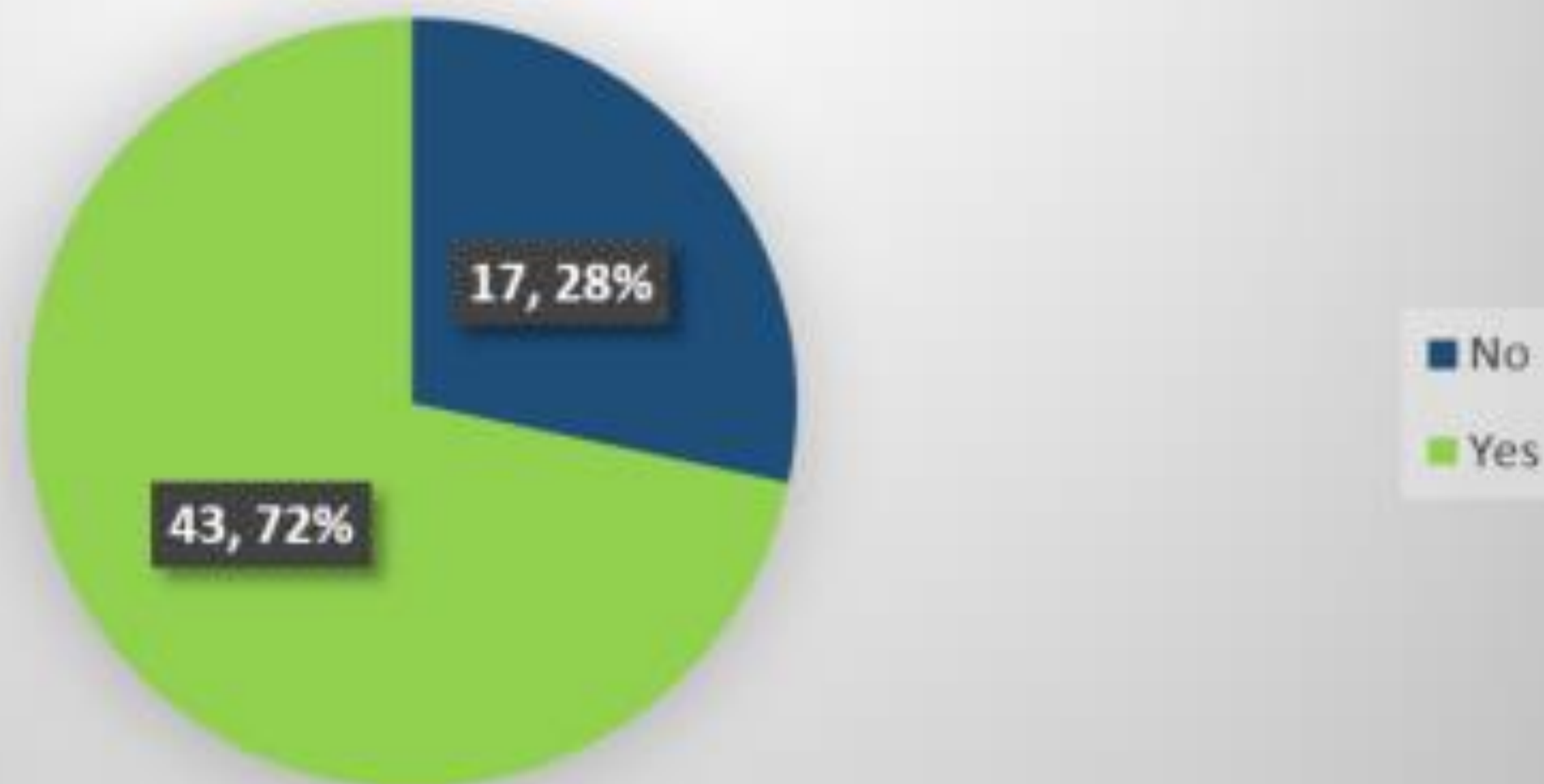
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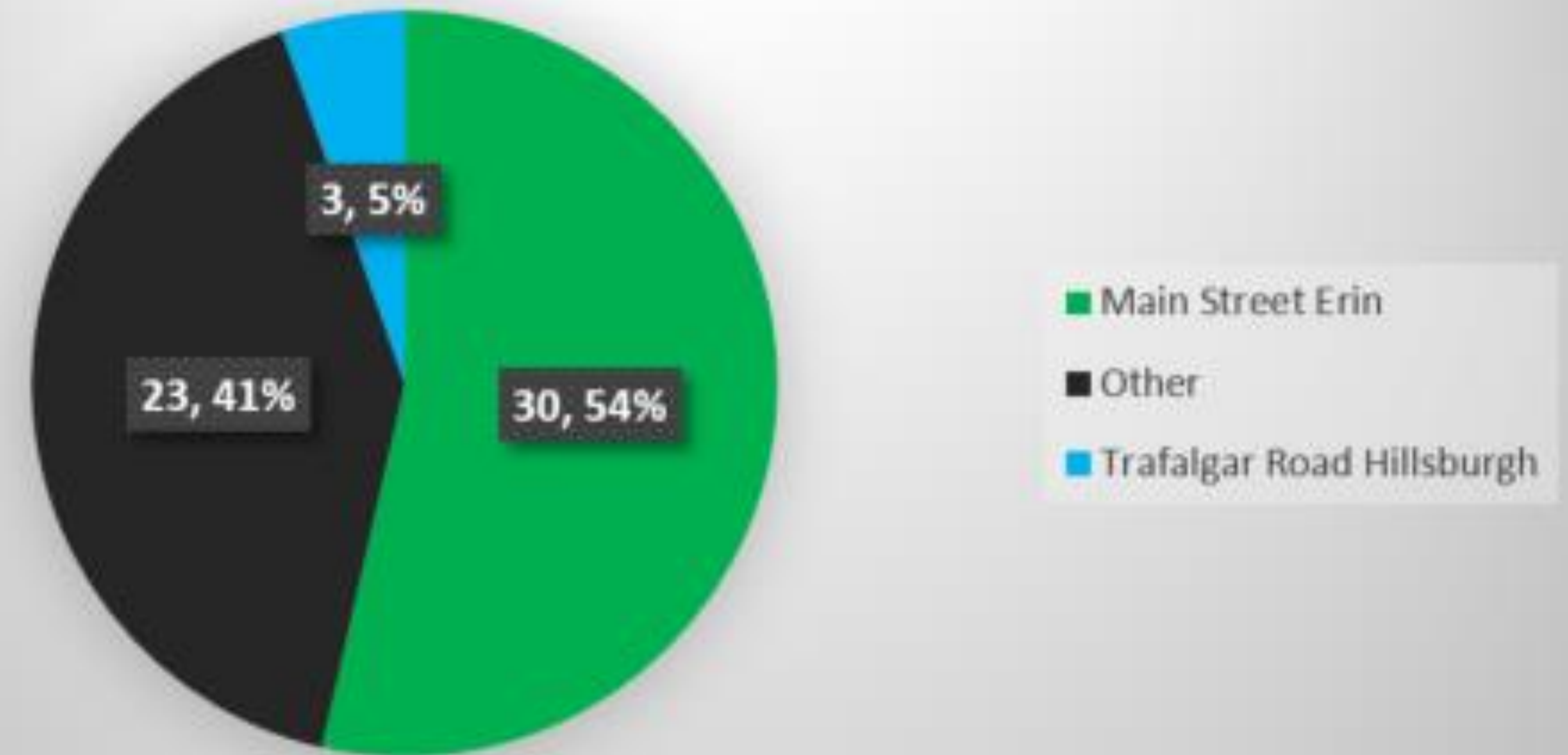
Business Survey Results

We received a total of 62 responses to the survey:

2. Do you own a business within the Town of Erin?

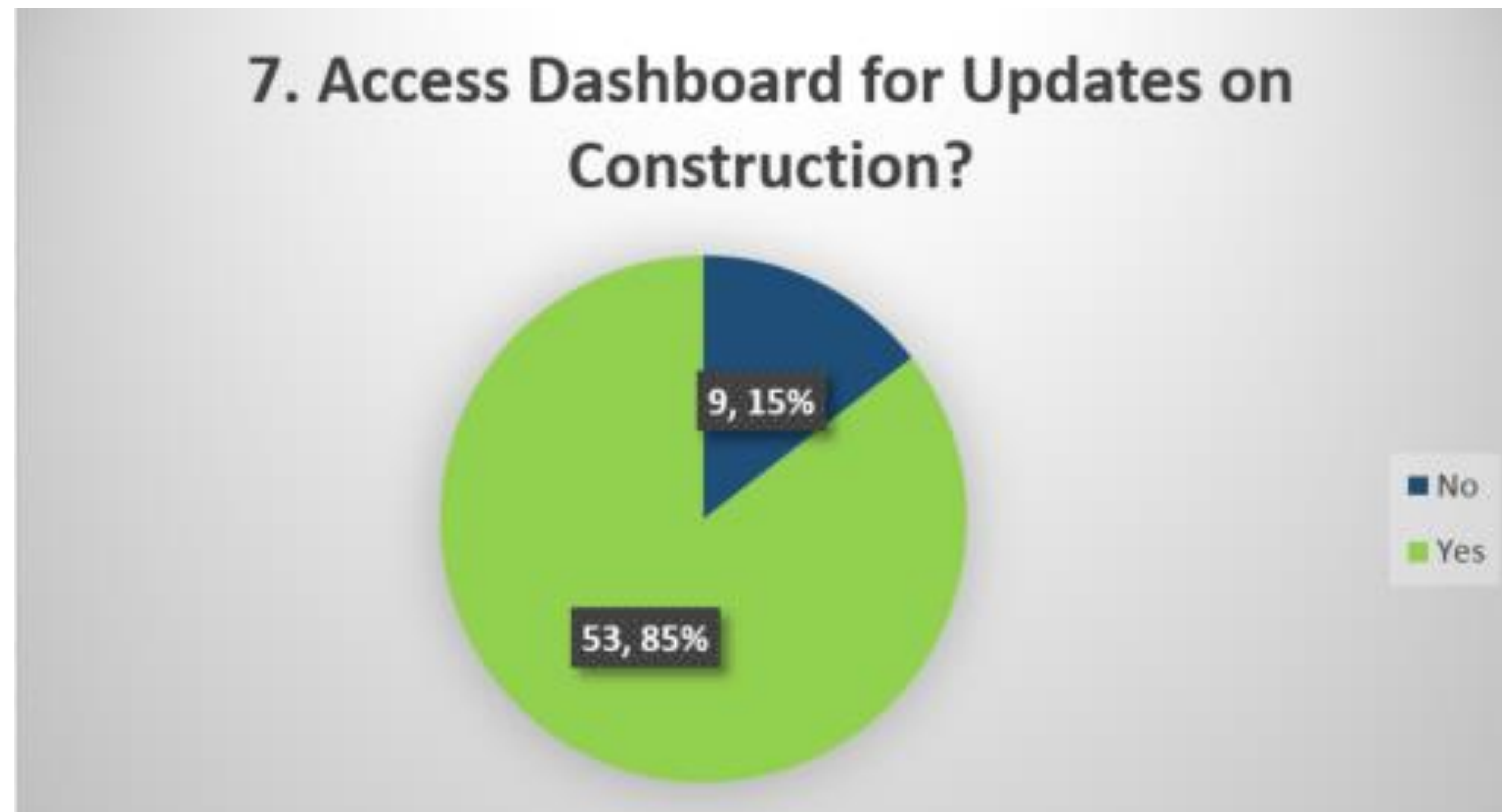


3. Where is your business located?



Business Survey Results

85 % of respondents would access a dashboard for updates on construction:



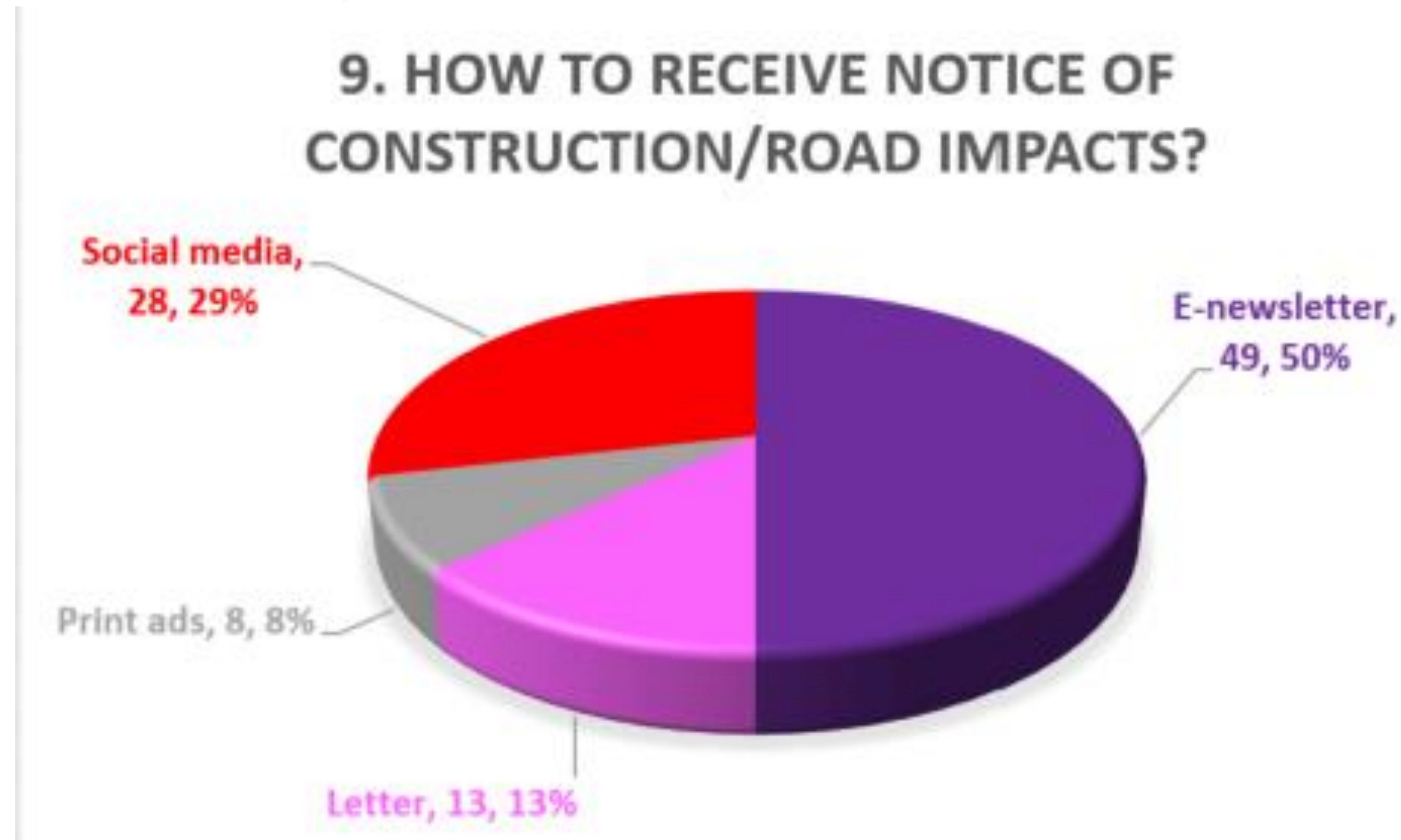
Business Survey Results

42% prefer to maintain 2-way traffic. 58% prefer the 1-way traffic proposal.



Business Survey Results

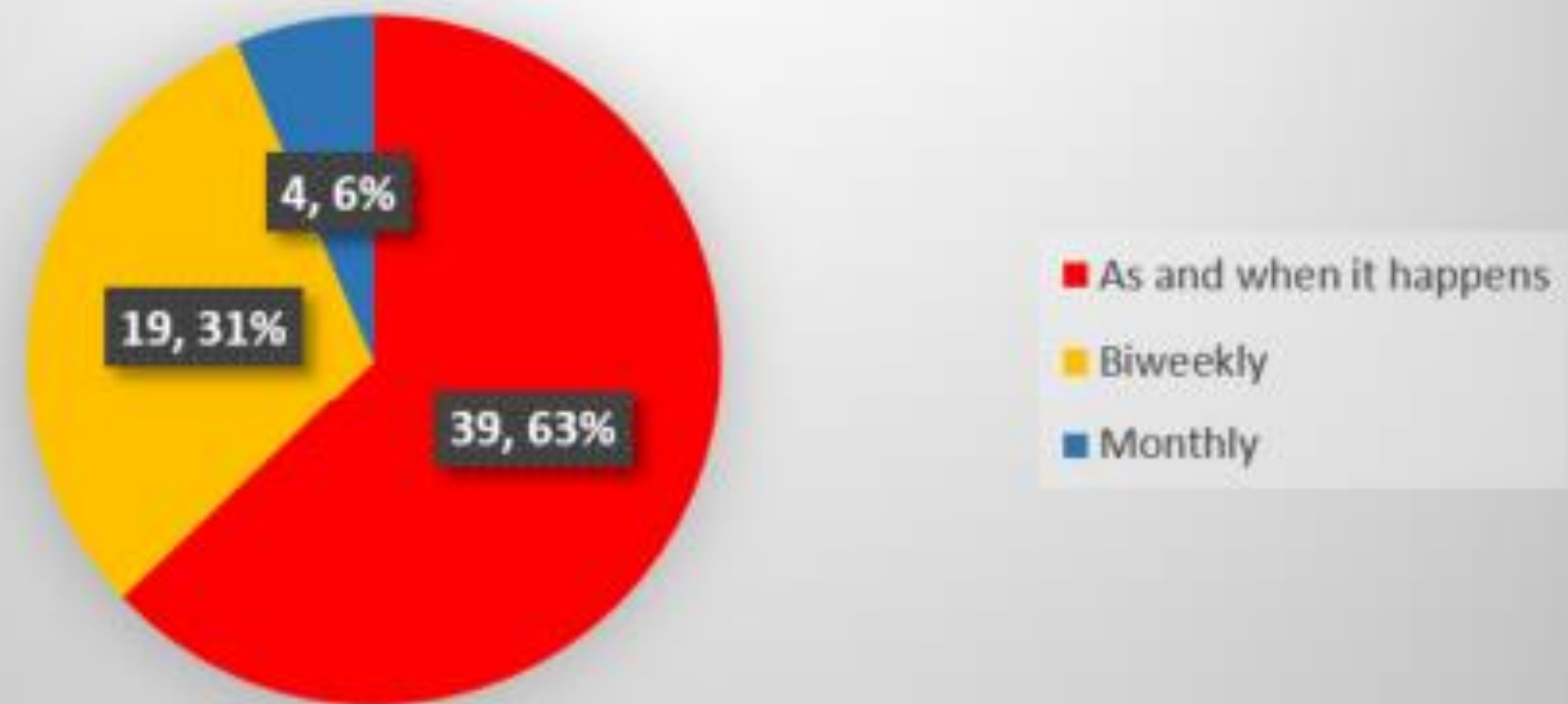
50% would prefer to receive communication by e-newsletter.



Business Survey Results

63% of respondents would prefer to receive construction communication as it occurs.

10. How Often to Update Construction Status?



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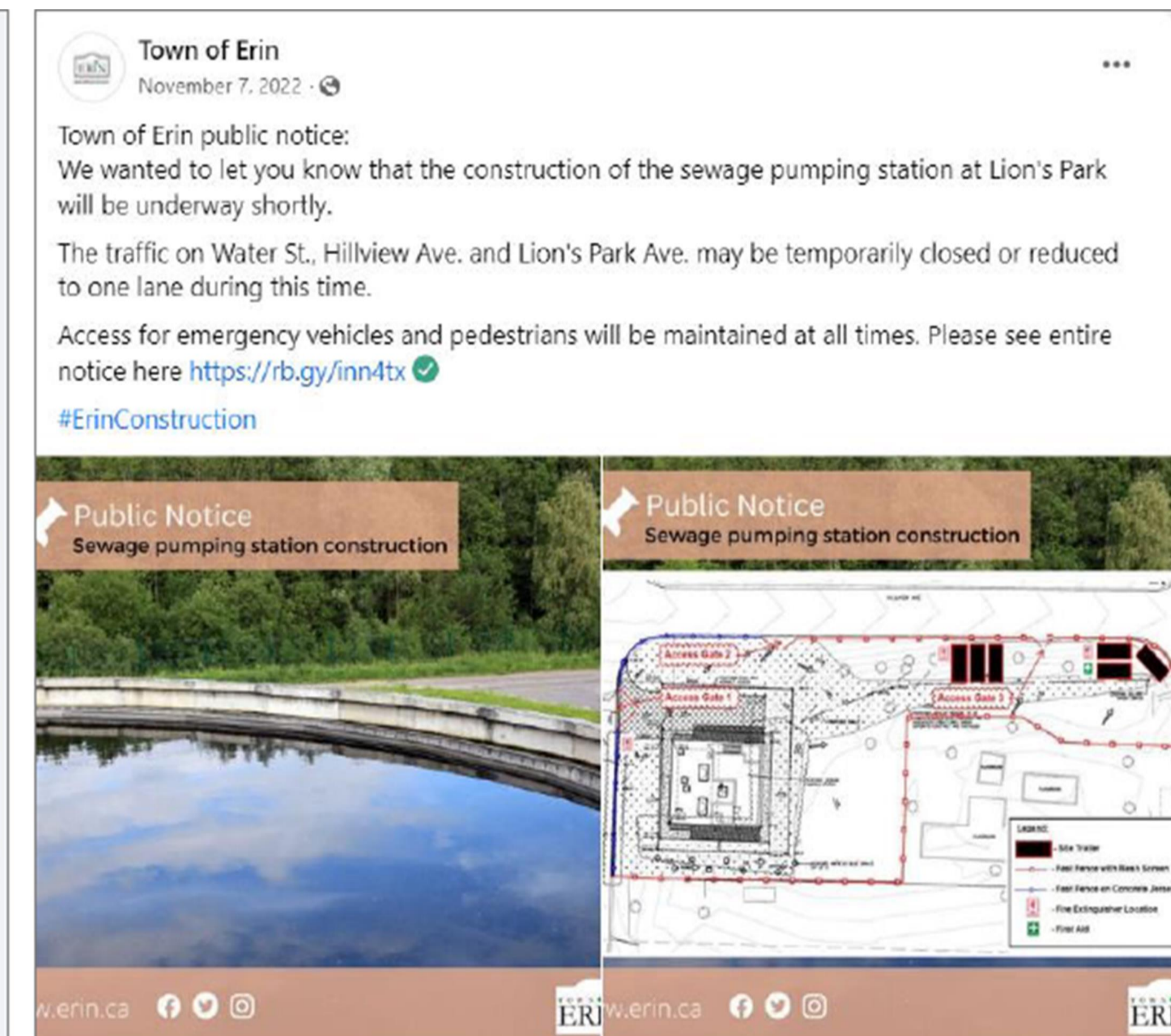
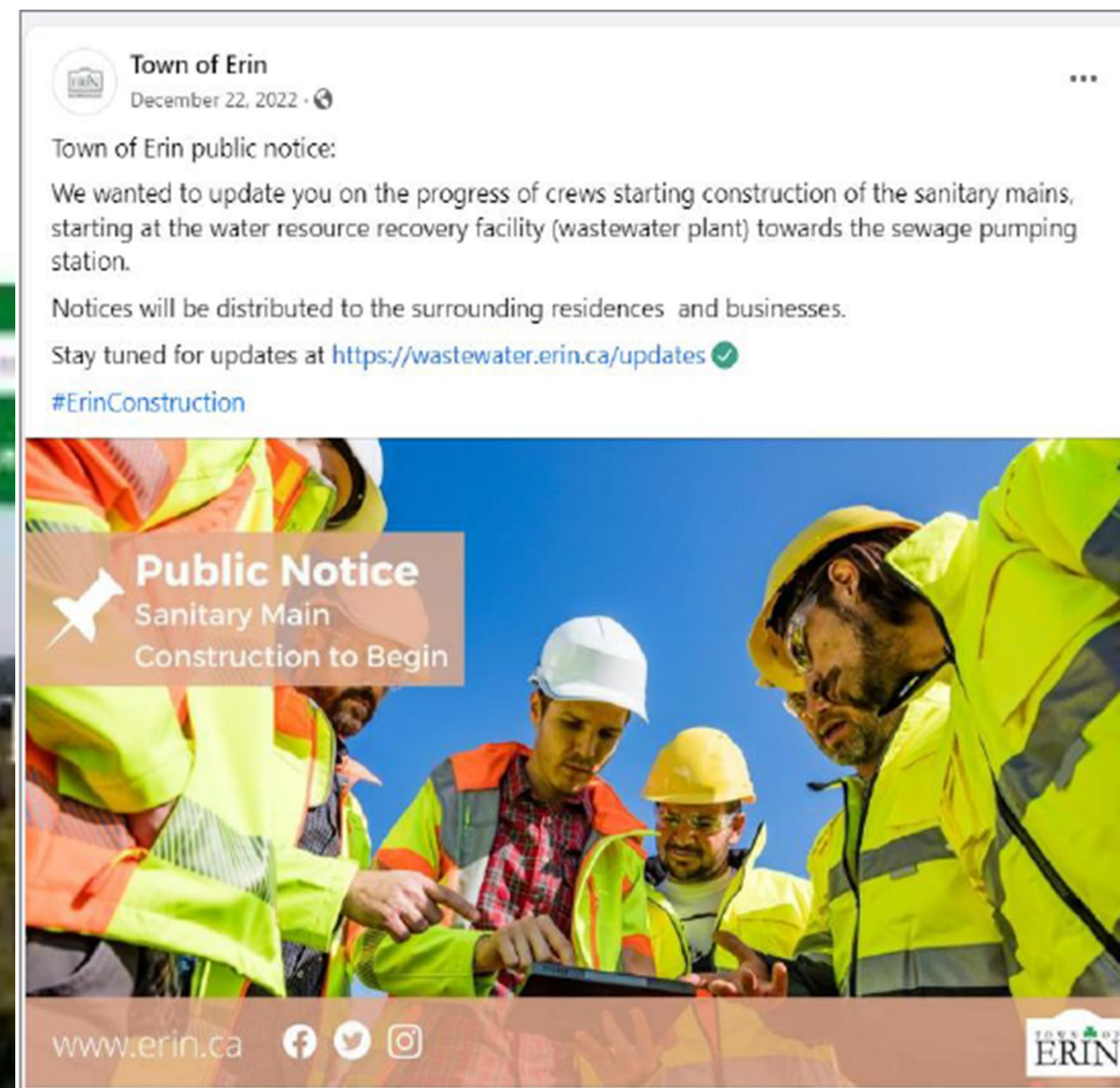
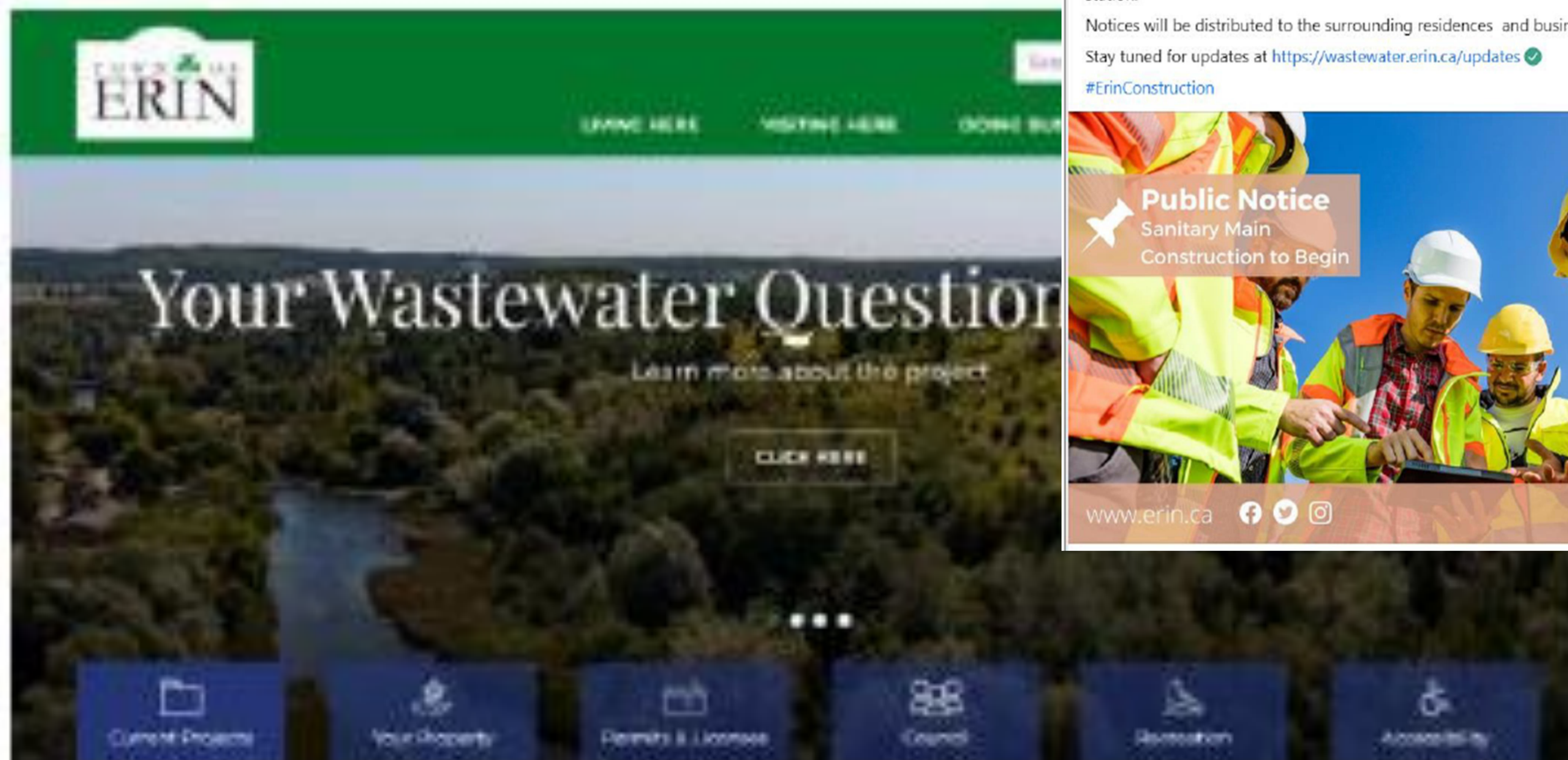


Communication Strategy at a glance



Communication Tactics at a glance

- Website update
- Community engagement (Construction Liaison Group)
- Public Notices/Advertisements
- News releases
- Social Media



Communication Tactics at a glance

- Project dashboard on website
- E-newsletters
- Mobile signage
- New icon to be used specifically for construction related communications
- Support shop local, open for business campaigns



Placeholder only. Concept idea



Communication tactic – project dashboard

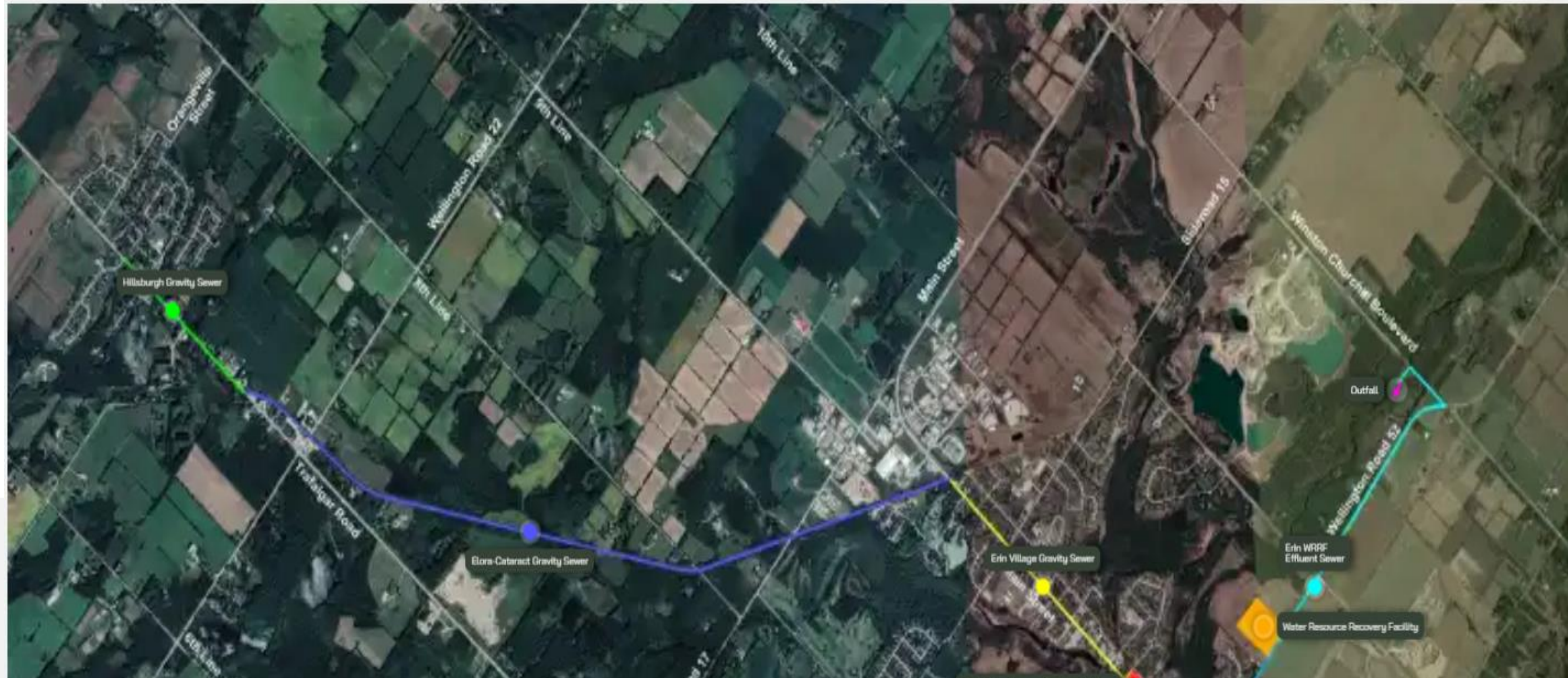


ERIN WASTEWATER PROJECT: CONSTRUCTION DASHBOARD

The Town of Erin is undertaking a project to build a wastewater treatment plant to the Village of Erin and Hillsburgh. Working with the Credit Valley Conservation authority (CVC) and the Ministry of the Environment, Conservation and Parks (MECP) it was determined that a new system is the best path forward to keep the community thriving now, and for generations to come. The new system will carry all wastewater flows to a single wastewater treatment plant. It will support the needs of the community by removing the reliance on the existing septic systems. After conducting various studies, including an Environmental Assessment (EA) and an Environmental Study Report (ESR), a series of recommendations and guidelines were identified to ensure we are protecting our water resources and that the project remains compliant with the MECP.

Interactive System Map

Click on any Work Area to get more information.



Live Camera Access

Water Resource Recovery Facility

Erin Village Sewage Pumping Station

Coming Soon

Contact Us

Communication tactic – project dashboard

Hillsburgh Gravity Sewer

Description Of Work In Area

Description of work in area
Description of work in area
Description of work in area
Description of work in area
Description of work in area
Description of work in area
Description of work in area
Description of work in area

Schedule Of Works

Schedule of works
Schedule of works
Schedule of works
Schedule of works

Update Of Potential Impacts

Update of potential impacts
Update of potential impacts
Update of potential impacts
Update of potential impacts

[Contact Us](#)



Contact Us

If you have any questions or comments regarding the Erin Wastewater Project, please send an email to communications@erin.ca or complete and submit the form below. Thank you!

Full Name

Email

Area Selection

- Hillsburgh Gravity Sewer
- Elora-Cataract Gravity Sewer
- Main St. Gravity Sewer
- Sewage Pumping Station
- Twin Forcemain
- Water Resource Recovery Facility
- Effluent Sewer
- Outfall

Impact

- Traffic Noise Odour Dust Accessibility Other

Tell Us More

Attachment

No File Chosen

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Thank you!

Questions?

www.erin.ca



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Monthly meetings proposed

**Next Meeting:
March 21, 2023
11:00 am
Via Zoom**