

PORTER SUBDIVISION WATERMAIN REPLACEMENT AND ROAD RECONSTRUCTION, PHASE 2

DORCHESTER, ONTARIO



CONSULTING CIVIL ENGINEERS



CONTACT INFORMATION

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PROJECT LOCATION

PORTER SUBDIVISION WATERMAIN
REPLACEMENT AND ROAD
RECONSTRUCTION PHASE 2



PHASE 2:
TO BE CONSTRUCTED IN 2023

PHASE 1:
CONSTRUCTED IN 2022

WHAT WORK IS GOING TO BE DONE?

- **Replacing storm sewers with new storm sewers and catchbasins**
- **Provide storm PDCs (Private Drain Connections) for existing or future sump pump discharge. Roof leaders must outlet above ground on private property.**
- **Replace watermains, water services to property line, new fire hydrants**
- **Surface works including addition of curb and gutter, sidewalks, new asphalt, driveway replacement to property line, boulevard regrading**
- **The is the second phase of construction**

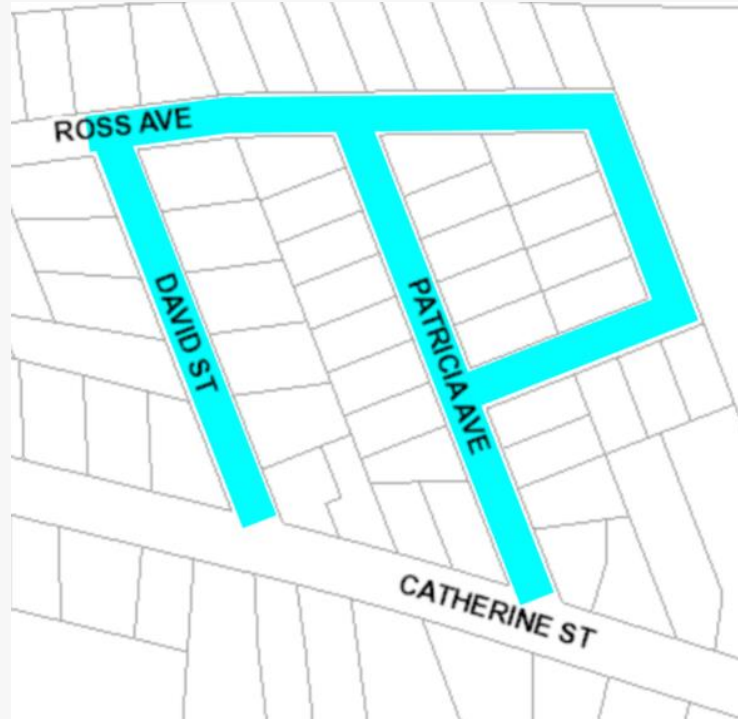
WHEN WILL CONSTRUCTION OCCUR?

- **Construction for Phase 2 is anticipated to commence in May 2023.**
- **Construction of this Phase is anticipated to be generally complete before December 2023, however minor construction work will occur the following year such as replacement of any curb or sidewalk that may crack over the winter and application of the second (top) layer of asphalt.**

PROJECT PHASING DRAWINGS

PHASE 1 – Constructed in 2022

David Street, Patricia Ave, and Ross Ave to David Street



PHASE 2 – To be Constructed in 2023

Carl Street, Ruth Street, and the remainder of Ross Ave

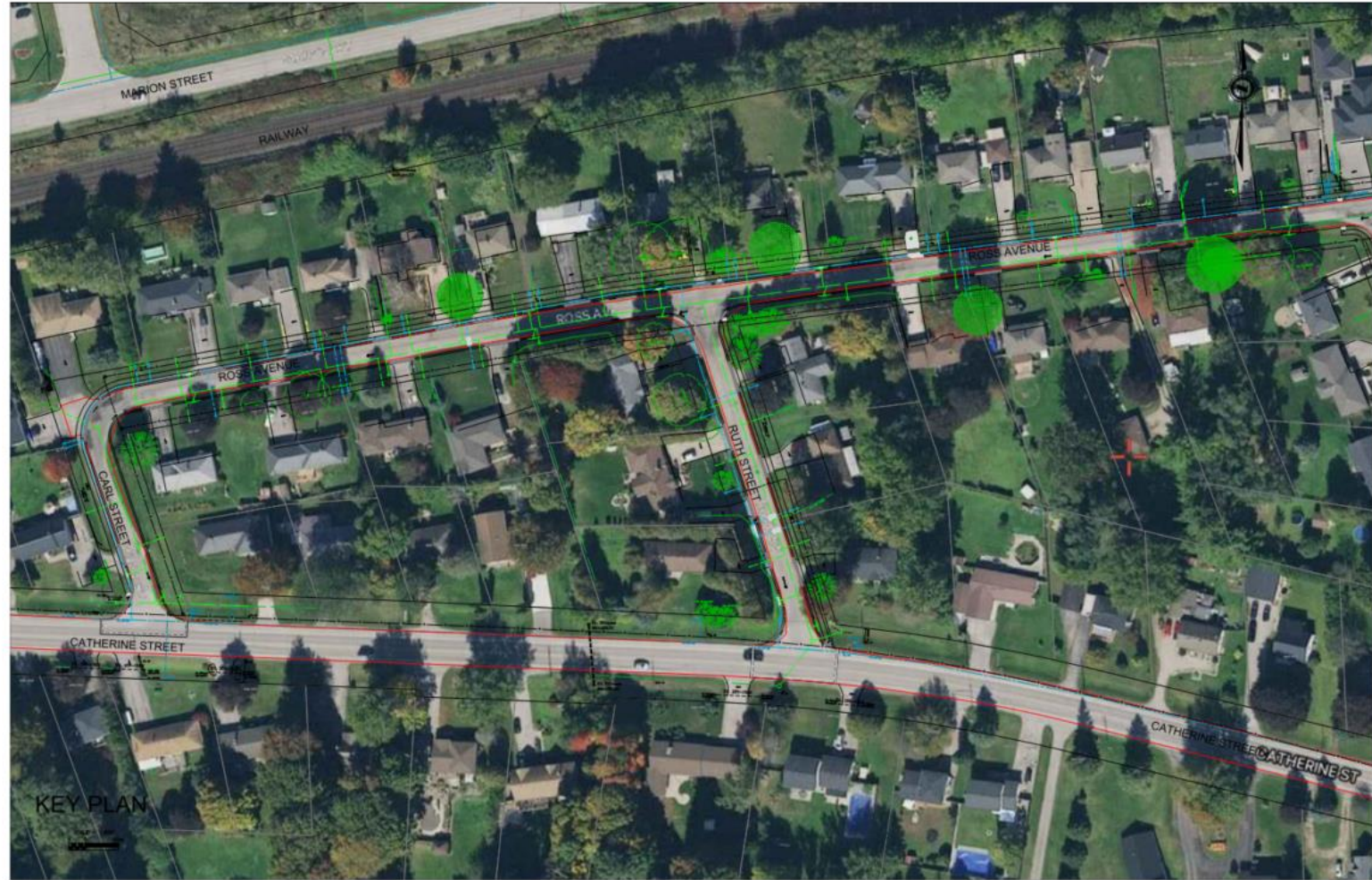


TYPICAL DRAWING OF SEWER AND WATER PIPE CONSTRUCTION



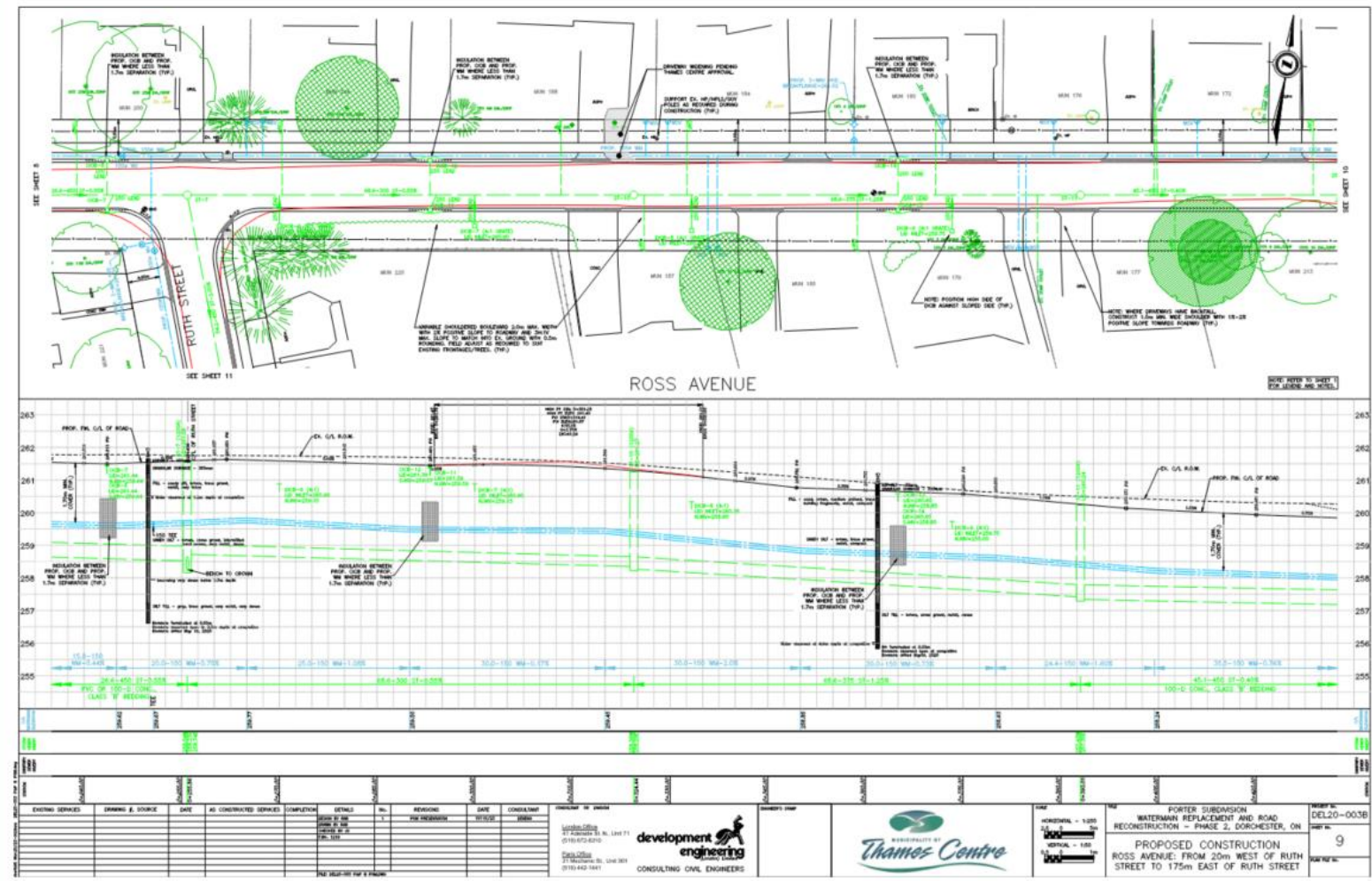
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TYPICAL DRAWING OF SEWER AND WATER PIPE CONSTRUCTION



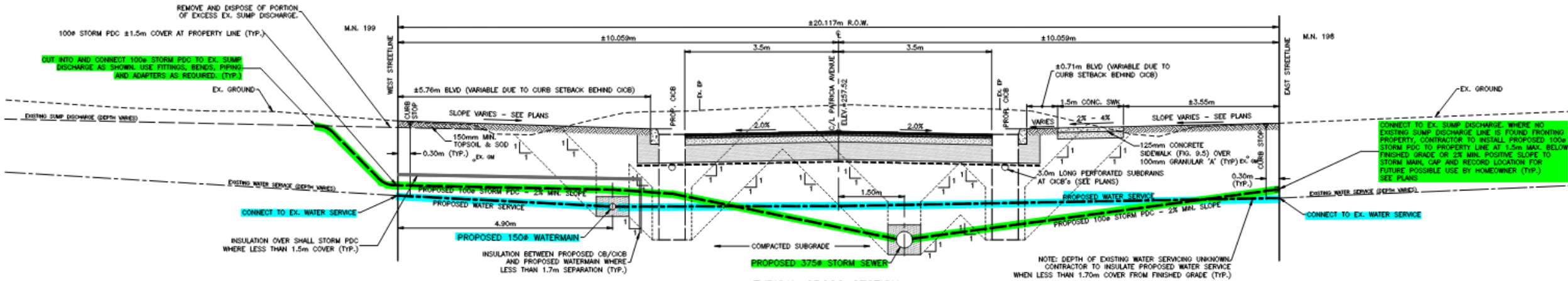
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EXAMPLE ROADWAY DRAWING



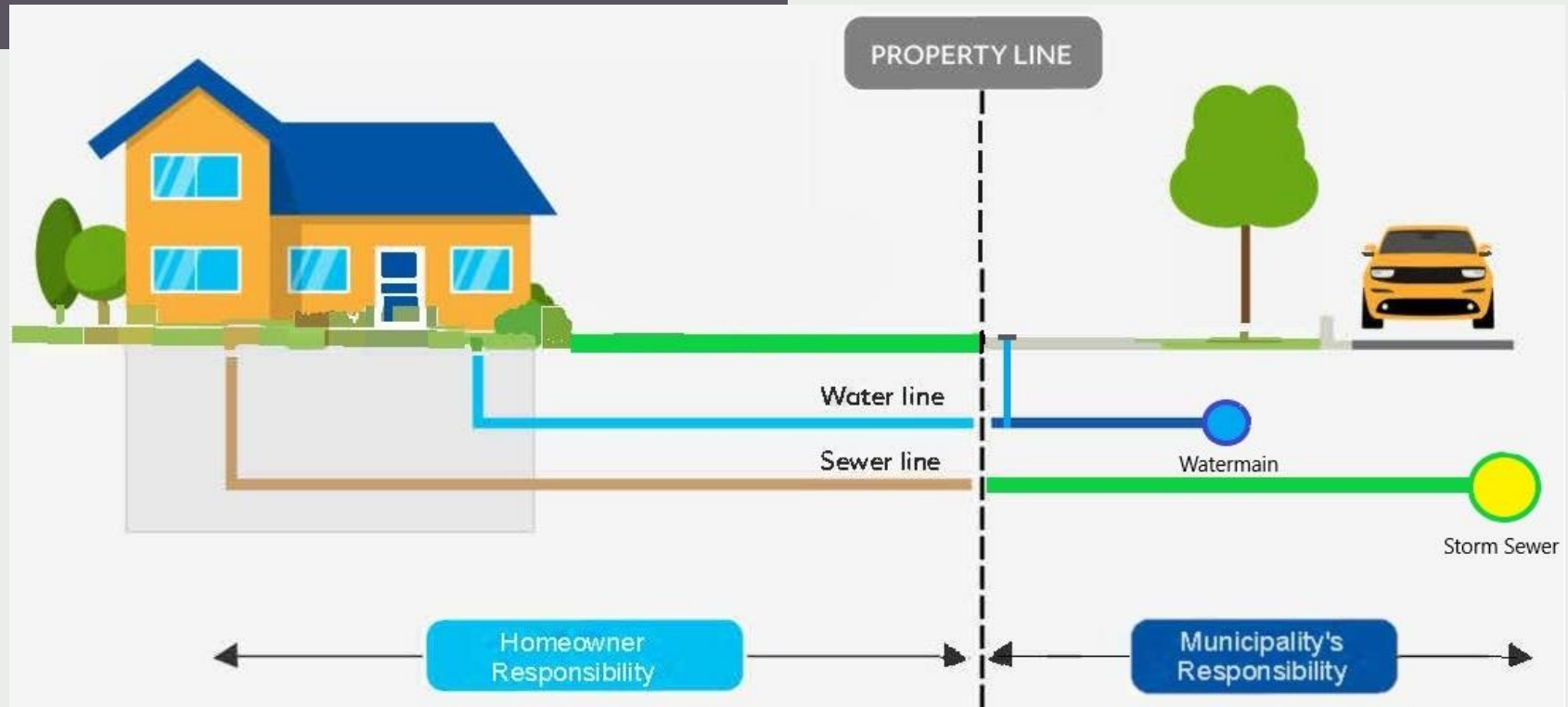
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TYPICAL NEW SERVICES CROSS SECTION



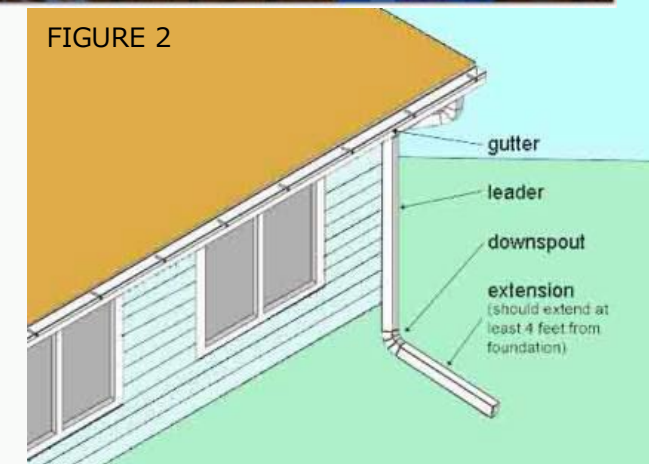
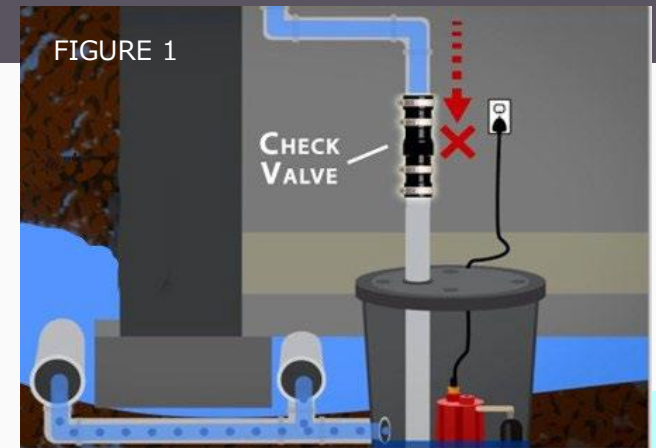
TYPICAL CROSS SECTION
PATRICIA AVENUE
(SIMILAR TO ±0+185)

WHO IS RESPONSIBLE?



STORM PDC (PRIVATE DRAIN CONNECTIONS)

- The purpose of a Storm PDC is to provide an outlet to a property's sump pump.
- Property Owners are responsible, and encouraged to ensure a functional check valve exists on the pipe between the sump pump and where it exits the basement foundation walls. This is to ensure that storm sewer water cannot re-enter the home in the rare case of a storm sewer back-up (surcharge). Please refer to Figure 1.
- Properties that currently have tile outletting water from their roof leaders (downspouts) into the roadside ditch must be disconnected at the point of entry into the ground near the house by the property owner. As per Municipal By-Law, any downspout pipe that was previously outletting into the roadside ditch, or in some cases, into the previous storm sewer network, will not be connected into the new storm sewer system. These tiles or pipes will be cut and capped at property line by the Contractor. Refer to Figure 2 for a proper downspout outlet configuration.



HOW MUCH IS THIS PROJECT GOING TO COST ME?

- **This project comes at no charge to homeowners**
- **All infrastructure is being replaced/ upgraded up to your property line at the Municipality's expense. The existing infrastructure is nearing end of life and is due to be replaced**
- **Additional work by the homeowner may be required if reconfiguration of roof leaders is required**

WHY IS THERE SIDEWALKS BEING INSTALLED?

- **When infrastructure is at the end of its life, the Municipality, whenever possible, will take the opportunity to upgrade a road within the Urban Settlement Area to bring the roadway up to urban standards (storm sewers, curb and gutter, sidewalks, etc.)**
- **Sidewalks provide upgraded safety for pedestrians and reduce the likelihood of pedestrian crashes**
- **Sidewalks increase mobility and helps provide overall healthier communities**

HOW WILL MY PROPERTY CONNECT TO THE NEW INFRASTRUCTURE?

- **Water services:** Water services will be replaced from the new watermain in the street to the property line and be connected to the existing water service
- **Storm services:** New storm private drain connections (PDC) will be installed to the property line and connected to the existing sump pump outlet (if one exists)
- The above service replacements are at no cost to the property owner
- Existing house roof leaders must outlet above ground on private property. Roof leaders will not be connected into the new storm PDC.
- Once construction is completed, property owners can connect to the new sewer connections by applying for a building permit on the Municipality's website, if a connection did not previously exist.

WILL THERE BE ANY VISUAL CHANGES TO THE ROADWAY?

- **Concrete curb and gutter and sidewalk will be added**
- **Road surface will be replaced**
- **Boulevards will be regraded eliminating the ditches in many areas**
- **Restoration of driveways and walkways affected by construction**
- **Restoration of grass and soil disturbed by construction**
- **Protection of trees where possible, some tree removals are required**
- **Additional streetlights to the subdivision are not being proposed with this project.**

GARBAGE AND RECYCLING COLLECTION

- **How will my garbage and recycling be collected during construction?**
- **Put out your garbage and recycling as per normal practice**
- **The construction contractor will collect the bags/containers and transport them to a designated location (edge of project limits) for collection by the Municipality's waste services.**
- **At the end of the day, the contractor will return containers to the appropriate properties**
- **Helpful hint: Label your municipal number on any containers with a permanent marker**

ROADWAY IMPACTS

- **Roads will be closed but remain passable for local traffic and emergency vehicles during construction.**
- **Access interruptions during excavation and surface works such as curb and sidewalk construction will be communicated to the residents in advance.**

DRIVEWAY IMPACTS

- **Driveways that are disturbed will be restored**
- **Driveway restorations will be with like material with the exception of stamped concrete/ colored concrete driveways and existing gravel driveways. Stamped/ colored concrete driveways will be replaced with white poured concrete, and gravel driveways will be converted to asphalt to property line.**
- **Brick driveways will have the bricks stored and then reinstalled**
- **Throughout the construction process, residents will have access to their driveways, however there will be instances where access may be limited. An example would be if the sidewalk concrete was just poured and time is needed for it to cure, or if significant digging is occurring within the roadway in front of the driveway.**
- **Homeowners will be given notice to any disruption to their driveway access**

COMMUNITY MAILBOXES

- **Community mailboxes are to be temporarily relocated by Canada Post and mail can be picked up at the temporary location. Canada Post will reach out to property owners with temporary pick up locations.**
- **Permanent mailbox concrete pads will be constructed as part of the project and the Community Mailboxes will be relocated to the final location by Canada Post**

WATERMAIN SHUTDOWNS

- A temporary watermain will be provided on the ground surface to maintain water service to each property, some short-term shutdowns will be required at certain times to make connections.
- Homeowners will be provided notice by door-hangers on your front door 48 hours prior to all scheduled watermain shutdowns.

TREE ASSESSMENT

- **The design of the project included a tree assessment completed by a certified arborist**
- **The assessment includes:**
 - Evaluation of tree health, size, and species
 - Recommendations for tree pruning
 - Recommendations for tree protection during construction; and
 - Identification of tree removal needs.

IDENTIFIED TREE REMOVALS

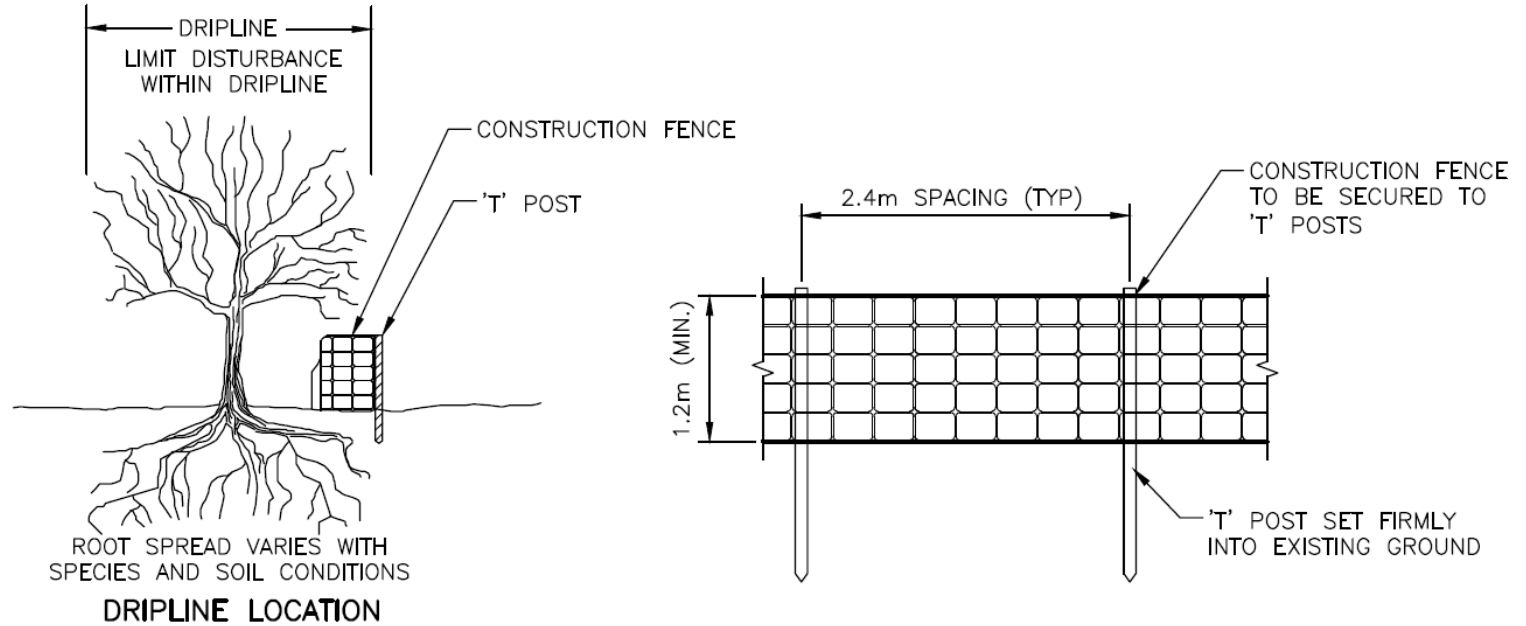
- **Tree removals are identified where:**
- The tree health is identified as poor and removal is coordinated with the project
- Conflict with the installation of new infrastructure is unavoidable
- **Tree removals are a joint decision between the arborist, consultant, and the Municipality.**
- **Municipal or shared trees will be removed as part of the project at no cost to the homeowner.**
- **Private trees may be identified as in poor health and remain the homeowners responsibility to maintain or remove.**

TREE PROTECTION

- **Tree protection commonly utilized during construction includes:**
- Tree protection fencing to keep machinery and construction material storage away from the trees and their root systems
- Trenchless service installation where required. Some sewer and water services may require trenchless installation in order to minimize root system damage
- Protection of tree root systems, through the placement of mulch and plywood during construction

TREE PRESERVATION DRAWING

PORTER SUBDIVISION WATERMAIN
REPLACEMENT AND ROAD
RECONSTRUCTION - PHASE 2



TREE PRESERVATION FENCING
(REF. OPSS 801.07.02)
NTS

(REFERENCE OPSD 220.010 FOR
PLACEMENT DETAILS WITHIN DRIPLINE)

TREE PRESERVATION EXAMPLES

PORTER SUBDIVISION WATERMAIN
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RECONSTRUCTION - PHASE 2



NEXT STEPS

- **Construction of Phase 2 of the project is anticipated to commence May 2023**
- **Follow the project on the Municipality's website**
- **Homeowners are encouraged to share any special considerations or comments such as accessibility concerns or planned events to the contacts provided.**

MUNICIPALITY OF THAMES CENTRE

- Stay up to date on the Municipality website:

<https://thamescentre.on.ca/articles/2023-porters-subdivision-watermain-replacement-and-road-reconstruction-phase-2>

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