

Hurontario Light Rail Transit Project

Construction Liaison Committee

Cooksville &
Mississauga Centre

November 2021



LAND ACKNOWLEDGEMENT

Let us take a moment to acknowledge that we are on the traditional territory of Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Wendat peoples.

We are all Treaty people. Many of us have come here as settlers and immigrants... in this generation or generations past.

Metrolinx declares its commitment to building meaningful relationships with Indigenous Peoples.

We acknowledge we have a responsibility to recognize and value the rights of Indigenous Peoples and conduct business in a manner that is built on the foundation of trust, respect and collaboration.

We acknowledge the historic and continued impacts of colonialization, the many broken promises and Treaties, and the need to work towards reconciliation with the original caretakers of this land... today and for future generations.

OUR MANDATE

The Construction Liaison Committee is a communications forum to provide open, two-way communication and dissemination of information with stakeholders, elected officials, area residents and businesses related to construction for the Hurontario Light Rail Transit Project including construction activities, short- and long-term impacts, steps being taken to address impacts and community engagement and outreach.

AGENDA: NOVEMBER 2021

Welcome & Introductions

Safety Moments

Action Items

Construction Progress

Private Property Impacts

Mississauga Cooksville Update

Mississauga Centre Update

Community Engagement

Round Table Discussion



Safety Moment

SAFETY IS A SHARED RESPONSIBILITY

As a shared responsibility, we each have our part to play to ensure that our construction sites are safe for workers as well as the broader public travelling around active construction zones.

Part of our responsibility is ensuring our construction sites are clean, secure, and have clear signage to caution the public about potential hazards and safely direct them around active work zones.

The public also has a responsibility to pay close attention and adhere to the directions on signage we post around our sites.

Only through a cooperative effort can we build and behave safely.



WORKSITE SAFETY AWARENESS

Safety is at the core of everything we do. While we can't legislate for unsafe behaviors, we can commit to building awareness in order to help mitigate it. Everyone gets home safe, every day.

To increase awareness around worksite safety, we are launching a joint campaign early next year. The campaign will focus on worker and pedestrian safety, as well as educating the community on upcoming shifts in traffic as guideway construction begins.

After receiving multiple complaints of unsafe traffic movements, the project took immediate action to install additional high visibility signage along Hurontario Street and increased safety messaging across social media

We ask that the community, motorists, pedestrians and cyclists:

- Practice patience and plan-ahead to avoid delays
- Adhere to posted speed limits and other signage on the road.
- Avoid distractions while driving.
- Treat construction zones as if they were your own workplace.



Construction Progress

CONSTRUCTION PROGRESS - FALL 2021

Now under construction, this exciting transit project is bringing 18 kilometers of smooth, fast, reliable rapid transit to Mississauga and Brampton along the Hurontario corridor. The project will mean a doubling of the corridor's capacity to move people while reducing congestion. The Hurontario Light Rail Transit (LRT) project will operate on a dedicated lane, avoiding traffic disruptions, providing residents and businesses in Peel with clean, electrically powered, convenient and integrated transit.

Key Features

- 19 stops
- 18 kilometers
- In service 2024
- Operates in dedicated lane
- 1 below grade stop
- 18 at grade stops
- Connections to Port Credit GO, Cooksville GO and Mississauga Transitway
- Connections to MiWay, MiWay Express, Brampton transit and Züm routes.



CONSTRUCTION PROGRESS

Completed

- ✓ Excavation, shoring to “Push Box” level for the station stop at Port Credit GO Station – Mississauga South*
- ✓ Poured north and south flood walls at Mary Fix Creek (1st Section)– Mississauga South
- ✓ Enbridge gas main relocation at Queensway - Cooksville
- ✓ Construction of the roof, canopy steel, exterior masonry back-up walls, ground floor slabs and door frames – OMSF
- ✓ Enbridge gas main relocation John Street-Cooksville
- ✓ Temporary traffic signals completed-Mississauga Centre and Mississauga South
- ✓ 87% of temporary traffic signals completed on the entire corridor
- ✓ Demolition of one existing parking lot bridge at Mary Fix Creek – Mississauga South
- ✓ Utility relocations east side of Hurontario . Stage 3 flip to the west side in Mississauga North
- ✓ New curb construction complete on the east side in Mississauga North.
- ✓ Alectra relocations complete in WZ 11 and 13 in Mississauga North. Matheson to Brunel and Capston to Derry Road.
- ✓ Installation supporting piers for the new West Bridge at Mary Fix Creek - Mississauga South
- ✓ One-way configuration at Topflight due to Utility Relocation – Mississauga North
- ✓ Tree protections – Mississauga South
- ✓ Geotechnical tests – Brampton





Remaining Median Removals in Mississauga North



Dry Utility Relocations in Mississauga North



Temporary Traffic Signal Installations in Brampton South

CONSTRUCTION PROGRESS

Ongoing

- Construction of base slab and launch slab for Push Box-Lakeshore West Structure
- Excavation to platform level-New Port Credit Station
- Poured north and south flood walls at Mary Fix Creek (2nd Section)– Mississauga South
- Installation of sanitary, watermain, and storm sewer lines-Mississauga South and Mississauga North
- Installation of watermain-Mississauga Cooksville
- Installation of sanitary-Mississauga Centre
- Alectra relocations-Mississauga South and Mississauga North
- Installation of temporary bus platforms along the entire corridor
- Tree removals-Mississauga South
- Installation of temporary traffic signals –Mississauga Centre and Brampton
- Road widening and curbs – Mississauga North
- Environmental Boreholes-Brampton
- Installation of the foundation and wing walls of the Etobicoke Creek structure– OMSF
- Installation of new utilities, mechanical, and electrical infrastructure - OMSF





Road Widening in Mississauga North



Staging for Median Removals in Brampton South



Removal of Remaining Medians in Mississauga North

CONSTRUCTION UPCOMING

Mississauga South – December 2021

- Utility Relocations – Watermain, sanitary, and storm continue
- Alectra works continue

Mississauga North – December 2021

- Alectra relocations, road widening and curbs continue
- New traffic configurations to correspond to the changes in staging
- Storm and watermain relocations begin between Eglinton and Matheson
- Civil works for track works expected to begin
- Hwy.401 underpass bridge deck rehab

Brampton South – December 2021

- Remainder median removals
- Installation of temporary traffic signals
- Tree protections
- Preparation for staging





Floodwall and Pedestrian Bridge Construction at Mary Fix Creek



Construction of the LSW Push Box and Excavation to Service Level at Port Credit GO LRT Station



Construction Activities at the OMSF Facility on Kennedy Road, Brampton

CONSTRUCTION AT NIGHT

Construction for the Hurontario LRT project is a balancing act. Night construction can be disruptive to neighbours, and daytime construction can impact traffic flow and be disruptive to local businesses. Find out how the Hurontario LRT team makes it work in our recent [blog](#).

When overnight work comes up, it is a joint decision between Metrolinx, constructor Mobilinx, and municipal partners to ensure this is the only way construction can be done in an efficient and safe way. When night work must be scheduled, crews are ready to:

- Have on-site environment teams monitor noise and vibration from the worksite to ensure they do not exceed provincial and municipal thresholds.
- Muffle the noise created by portable generators by encasing the generators with a plywood barrier.
- Schedule noisier activities at times when it would create the least disruption to neighbouring residents.

We recognize that night time construction can be inconvenient to residents and we are committed to providing as much advance notice as possible when it is unavoidable.



Private Property Impacts

CONSTRUCTION IMPACTS

As we widen the roadway to make room for new and exciting transit that will serve communities in Mississauga and Brampton, there will be impacts to some private properties adjacent to our works that our crews would require access to address.

Our goal is to identify the impacts and work together with property owners to answer their questions, address any concerns they may have, and resolve any items that are in direct conflict with our works. In some cases, this means requesting their permission to enter (PTE) to mitigate the impact of construction on their property. Reasons for our private property outreach includes :

- Coordinating the removal of items that encroach onto the municipal right of way
- Requesting PTEs to regrade a portion of their land, walkway, or driveway to promote the natural drainage of stormwater away from their property
- Requesting PTEs for the protection, pruning, or removal of trees based on an arborist's recommendation.

Where applicable, we often meet on site with property owners to discuss the impacts of construction to their property and are transparent in our commitment to work with them to minimizing these impacts.



PROPERTY IMPACTS

Grading:

Once the roadway is widened, it will no longer match the height of the properties that exist alongside of it. Slight changes to the grade of some properties are recommended to address this.

Grading adjustments will promote the natural drainage of stormwater away from the private lands and into the municipal infrastructure, while ensuring the slope of driveways and walkways are gradual, and not too steep.

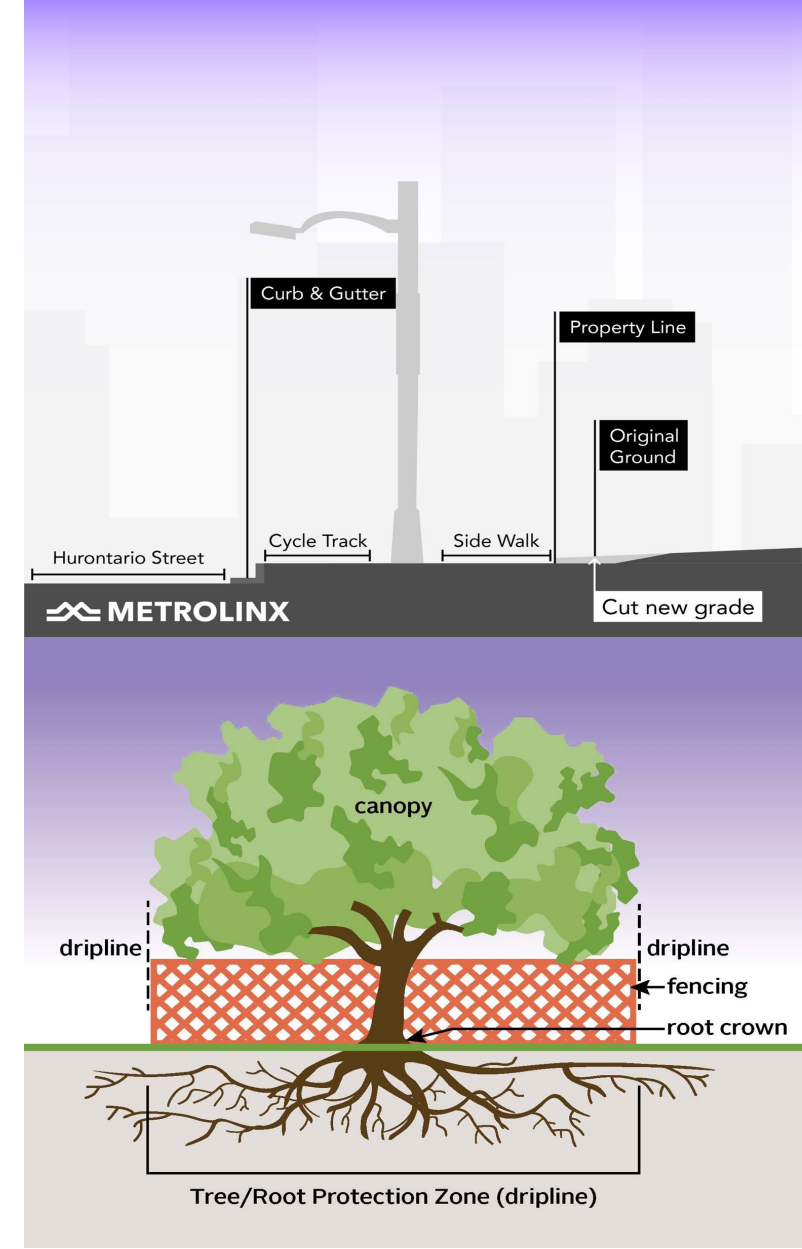
To address this discrepancy, permission to enter a private property to regrade a portion of land, walkway, or driveway is the preferred option over installing a retaining/toe wall.

Trees and Vegetation:

The impact of construction on a tree is assessed by a certified arborist.

The assessment is based on measuring the dripline from the tree canopy. This allows the arborist to identify the extent of the root system and establish a tree protection zone using temporary fencing.

Where the tree protection zone cannot be provided, and more than 30% of the root system is expected to be disturbed by construction, the arborist recommends that the tree be proactively removed.



Cooksville

COOKSVILLE WORK ZONES

Work Zone 4 – North Service Road to Dundas Street

Work Zone 5 – Dundas Street to Fairview Road

Work Zone 6 – Fairview Road to Matthews Gate



CONSTRUCTION PROGRESS

Completed

Work Zone Four to Six

- Removal of remaining median removals at intersections
- Majority of Geotechnical and SUE tests
- Temporary Traffic Light installations
- Temporary bus platforms between Fairview and Matthews Gate
- Enbridge relocations at Queensway and John Street
- Two lanes in each direction opened between Fairview and Matthews Gate
- Extensions added to temporary bus platforms for efficient and safe onboarding and offboarding from the stretch buses

Ongoing

Work Zone Four to Six

- Tree removals
- Watermain installation between Queensway and Paisley Boulevard

Work Zone Six

- Watermain installation between Fairview and Matthews Gate

Upcoming (three-month window)

Work Zone Four to Six

- Temporary road closures of Floradale Drive, Paisley Boulevard East, Matthews Gate, Elm Drive
- Utility Relocations – Watermain, sanitary and storm





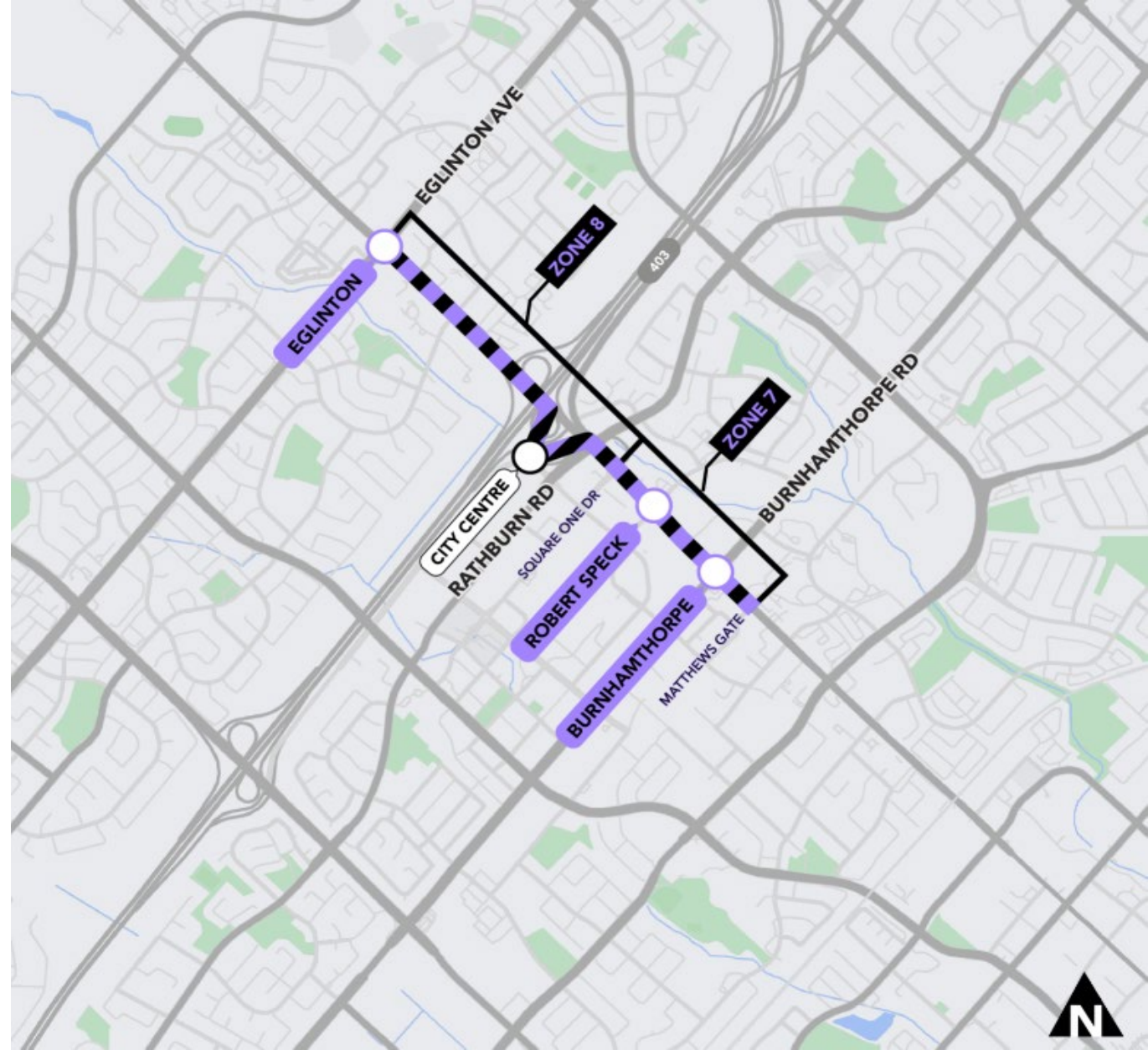
Water Main Installations in Cooksville

Mississauga Centre

MISSISSAUGA CENTRE WORK ZONES

Work Zone 7 – Matthews Gate to Square One Drive

Work Zone 8 – Square One Drive to Eglinton Avenue



CONSTRUCTION PROGRESS

Completed

Work Zones Seven and Eight

- Majority of Temporary traffic signal pole installations
- Majority of Geotechnical, Environmental and SUE Tests
- Temporary closure of Hammerson Drive
- Energization of new temporary signal poles at Sherwoodtowne Boulevard and Hwy. 403 ramps.

Ongoing

Work Zones Seven and Eight

- Tree protections

Work Zone Eight

- Sanitary relocations continue on Rathburn Road

Upcoming

Work Zone Eight (Rathburn)

- Construction to build elevated guideway on Rathburn Road

Work Zones Seven and Eight

- Installation of temporary bus platforms
- Watermain and sanitary on Hurontario Street





Sanitary Installations in Mississauga Centre

Communications Engagement

COMMUNITY CANVASS

The Fall canvass focussed on local businesses and transit riders at our temporary bus platforms. Speaking with businesses allowed us to gain a better understanding of their existing digital footprint and what supports they would find useful as they continue to operate during major construction.

Commuters were asked a series of questions to better understand where they get their transit updates from and how they feel about the temporary bus platforms.

Fall Canvass by the numbers

Businesses

- 512 businesses approached
- 273 business surveys completed

Transit User Survey

- 380 transit users approached
- 241 completed the survey

*Findings will be shared in the first virtual CLC of 2022



COMMUNITY ENGAGEMENT

Community Engagement staff are out in the public speaking to residents and businesses where and when it makes sense while following all COVID 19 guidelines to keep ourselves and members of the community safe.

What have we been up to?

- **Fall project update is live at Metrolinx Engage → metrolinxengage.com/hulrt.**
- Onsite and virtual meetings across Mississauga and Brampton
 - Encroachments
 - Vegetation
 - Driveway impacts - grading and utility crossings
- Working from the Mississauga and Brampton Community Offices.
 - Open to the public by appointment, come see us and chat transit!
- Launch of 2021/2022 school year Transit in Your Community presentations.

We're building this transit system in a community, for the community.

Lessons learned: Construction notice fatigue.

Our team is working to build out more comprehensive construction notices, as well as implement the use of more digital boards across the corridor to help raise awareness in the community ahead of overnight work and road closure.

Have you seen them? Do you think it is helping?

Hurontario LRT

Virtual Engagement November 15 - 26



COMMUNITY SUPPORT: FOOD DRIVE & FUNDRAISING CAMPAIGN

Metrolinx and Mobilinx engaged in a friendly competition to collect donations for The Mississauga Food Bank (September 20th - October 13th, 2021)

- The Mississauga Food Bank is the central food bank in Mississauga.
- They distribute food through a network of over 50 agencies including local food banks, pantries, meal and snack programs, and other emergency food programs. Through their network, they provide 5 million healthy meals everyday

Participants were encouraged to purchase items from vendors/businesses on the corridor who are impacted by construction

- **A total of \$3,540 was raised and 629 non-perishable food items were collected**
- The food drive was a great success, we are looking forward to future collaborative fundraising efforts with both teams.

Next up, our teams will be supporting the Peel Children's Aid Society Foundation to help collect gifts for their children.

*These are our internal efforts to support the community we are building in.



COMMUNITY ENGAGEMENT UPDATE

Questions?

Ask us at metrolinxengage.com

Or contact us by phone, email, or on social media

Stay up to date with Metrolinx projects in your region!
Metrolinx.com/peel



Hurontario LRT Community Offices

Phone: [416-202-7500](tel:416-202-7500)

Email: peel@metrolinx.com

3024 Hurontario Street unit G12
Mississauga, ON. L5B 4M4

17 Ray Lawson Blvd unit 9
Brampton, ON. L6Y 5L7



@HurontarioLRT

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For questions, contact: Manager, Customer Contact, Metrolinx, 20 Bay St, Toronto, ON, M5J 2W3, [\(416\) 869-3600](tel:416-869-3600).

Round Table Discussion



APPENDIX A: GLOSSARY OF CONSTRUCTION TERMS

Term	Definition
Culvert	Culverts are small channels that allow water to run under a road or railroad structure.
Wet Utilities	Examples of wet utilities are sanitary, storm water (rainwater), water main (potable water, fire hydrants)
Dry Utilities	Examples of dry utilities are power, underground conduits, fiber optics (telecommunications).
Guideway	The guideway is the structure the LRVs will operate at the HWY 403 crossing. This includes steel tracks, the concrete pads for tracks, and OCS poles. The elevated guideway is a structure with tracks raised above the street level, and civil works for the guideway includes anything below the grade of the guideway (duct banks for electrical cables, drainage etc.)
Roads, Curbs, Sidewalks	This involves preliminary works including drainage, catch basins, temporary paving, new curbs, sidewalks, and boulevards etc. Final paving and reinstatement occur as a part of the final landscaping and design package.
Push Box	An innovative method which uses hydraulic jacks & spreaders to move a cast-in-place concrete box carrying the entire underpass in a short period of time. It causes minimal disruption to surrounding traffic.
RSS/Retaining Wall	Retained Soil Systems Wall. The purpose of this wall is to retain soil in order to protect a change in grade.
Track works	Track works are at grade.

APPENDIX A: GLOSSARY OF CONSTRUCTION TERMS

Term	Definition
Hydro Duct Bank	A grouping of hydro cables buried underground or encased in concrete.
Flood Wall	A wall built to prevent inundation by high water.
Caisson Wall	Caisson (or secant) walls consist of drilled holes filled with concrete that forms continuous arrays of interlocking shafts that are periodically reinforced with vertical steel piles to create an excavation support system..
Staging	Staging indicates the set-up of fenced off work area and installation of temporary bus platforms as required on the corridor.
Pole	A structure used to support overhead lines.
OMSF	OMSF stands for Operations, Maintenance and Safety Facility of the Hurontario LRT. It is located just south of Hwy.407 at the border of Brampton and Mississauga.
Girder	A girder is a horizontal support beam used to strengthen bridges and other structures.
TPSS	TPSS stands for Traction Power Substation. They ensure a consistent level of power to the Light Rail Vehicles.
French Drainage System	The French Drainage System consists of a trench filled with gravel or rock or pipe to divert water away from an area. It is used to prevent water damage to building foundations. This will be installed at the OMSF site.