

**Ontario Line
CLC Meeting
Pape Junior Public School**

February 28, 2023



Land Acknowledgement

Let us take a moment to acknowledge we are on lands that have been, and continue to be, home to many Indigenous Peoples including the Anishnabeg, the Haudenosaunee and the Huron-Wendat peoples.

We are all Treaty people. Many of us have come here as settlers, as immigrants or involuntarily as part of the trans-Atlantic slave trade, in this generation, or generations past.

We acknowledge the historic and continued impacts of colonization and the need to work towards meaningful reconciliation with the original caretakers of this land.

We acknowledge that Metrolinx operates on territories and lands covered by many treaties that affirm and value the rights of Indigenous communities, Nations and Peoples. We understand the importance of working towards reconciliation with the original caretakers of this land.

At Metrolinx, we will conduct business in a manner that is built on a foundation of trust, respect and collaboration.

Safety Moment: Text-for-help

- A new text-for-help support program now gives customers one more safety option on GO Transit and UP Express.
- People can discreetly report immediate safety or security concerns by texting "HELP" to 77777.
- The Customer Protective Services team will reply to the text within 90 seconds and will converse with the person to understand the concern. If needed, the team can assist by dispatching support or local police services.
- This provides a discreet, fast, and effective way to request assistance while on board or at stations, without drawing attention in moments when one may feel vulnerable.

**Safety is
at your
fingertips.**

**Text 'HELP' to
77777**

**Help is a
text away.**

Standard message
rates may apply

CLC Agenda

Introductions

Land Acknowledgment
Safety Moment

Recap of TDSB and Pape School meeting (February 23, 2023)

CLC Terms of Reference

Upcoming Construction Activities

Sequencing of Construction

Health and Safety

Noise and Vibration
Air Quality
Environmental Testing

Discussions / Q&A

Next Steps

Construction Liaison Committee (CLC)

CLC Terms of Reference

Mandate

Construction Liaison Committees (CLCs) provide open, two-way communication and sharing of information before and during the construction of the Ontario Line project. The CLC will focus on the impacts from the Ontario Line within proximity to the Pape Ave. Junior Public School. The full Terms of Reference will be shared with the CLC via email.

The CLC is a forum for Metrolinx and representatives of the committee to proactively communicate and discuss Ontario Line construction activities and community impacts in a collaborative and respectful manner.

Membership

CLC members include representatives from Metrolinx, the TDSB, Pape School, Pape Children's House, and community members, comprised of residents living near the school, businesses (if applicable), and elected officials or their designates.

Meeting Schedule

- The CLC will meet monthly to start with (frequency can increase as plans progress) and will be one hour in duration.
- Subsequent meeting dates and times to be established and the end of each meeting.
- The CLC agenda will be organized with input from the CLC members.

CLC Members

Community Members

- Amrita Takhar
- Beverly Nollert
- Cara McCutcheon
- Chris Janzen
- Daniel Miller
- Daniel Woolfson
- Jaclyn Greenberg
- Julia Macleod
- Lindsay Clarke-Andrews
- Paige Reason
- Melissa Syme

Pape School

- Toronto District School Board
- Pape Ave. Jr. Public School
- Pape Children's House

Elected Officials (or designate)

- MP Julie Dabrusin
- MPP Peter Tabuns
- Councillor Paula Fletcher
- School Trustee Sarah Ehrhardt

Metrolinx

- Ontario Line Community Engagement
 - Mark Clancy
 - Norando Brown
- Ontario Line Program Sponsor
- Ontario Line Capital Projects Groups
- Traffic and Transportation
- Environmental Programs and Assessments
- Ontario Line Technical Advisors
- Other program areas as required

Background

The north segment of the Ontario Line subway will run under Pape Avenue from the north side of the rail corridor in the south to Minton place in the north (near Pape and Millwood).

Prior to subway tunneling and station construction, several other construction activities need to happen.

1. Relocation of utilities, including, Bell, Toronto Hydro, Enbridge (Bell relocation is scheduled to start in April 2023)
2. The relocation of the existing storm sewer which currently sits beneath Pape Avenue to the area beneath the Pape Ave JPS playground.



What We Heard

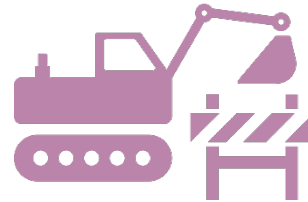
Residents, parents, the Pape Ave JPS Parent Council, school staff, and the TDSB have raised concerns about student safety and ongoing construction activities.

Safety Concerns



- Safety for students, staff and the school daycare in the vicinity of the project.
- Impacts to bus routes and student drop-off/pick-up areas.
- Background checks on contractors due to proximity of school.
- Possible soil contamination in the area and at 449 Carlaw Ave (Riverdale Mall).

Construction Concerns



- Traffic impacts
- Increased noise and vibration levels
- Environmental concerns regarding dust level, diesel from trucks
- Property concerns related to construction equipment laydown
- Construction hours during sewer replacement
- Parking locations for construction workers
- Concern about bins, waste left on site.

Health & Safety

Health & Safety

Construction Safety Measures

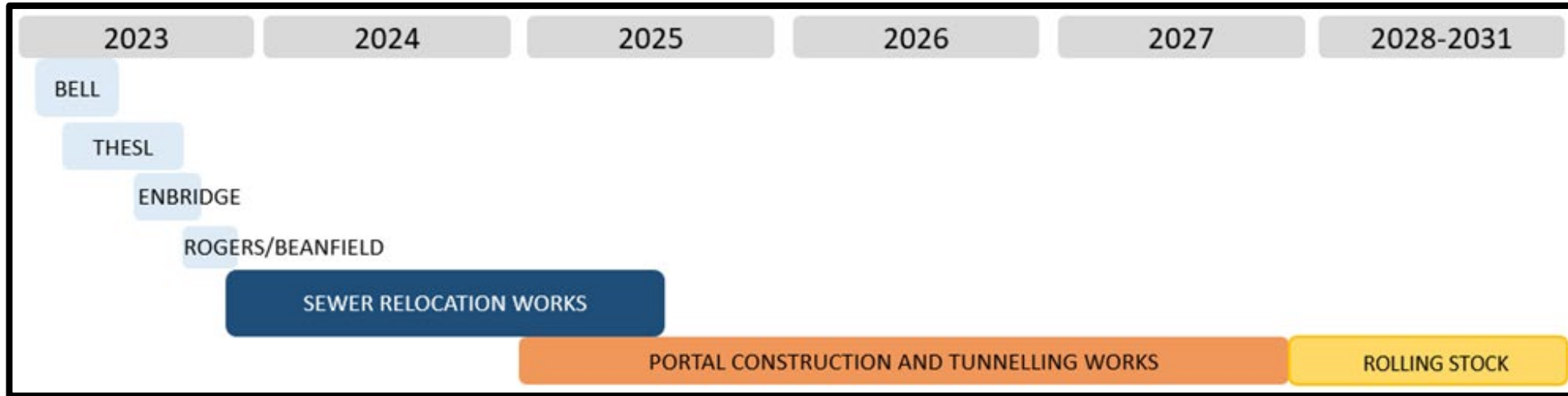
- Contractors will take every reasonable precaution to protect workers as well as public, in accordance with the *Occupational Health and Safety Act*, [Ontario Regulation 213/91 - Construction Projects](#)
- This may include, but not limited to; proper pre-hazard assessment with controls identified to mitigate hazards, adequate supervision at all times, and continuous monitoring by inspections

Place construction hoarding, fencing, and/or barriers around the workspaces and laydown areas to ensure public safety.

- Pedestrians, cyclists, and motorists will be physically separated from work zones, in accordance with the traffic plans approved by the City of Toronto
- Type of barrier identified for use will be appropriate for the duration/type of work being performed
- Qualified Traffic Control Persons and/or Paid Duty Officers will be provided as required to safely direct traffic and pedestrians

Upcoming Construction Activities

Sequence of Construction Activities



Bell utility relocation at Pape Ave. & Langley Ave.

- April - June 2023

Toronto Hydro relocation at Pape Ave.

- May - September 2023

Enbridge Gas relocation at Pape Ave.

- September - October 2023

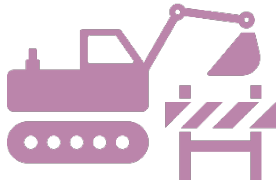
Rogers/Beanfield

- Late 2023

Sewer relocation

- Late 2023 - July 2025

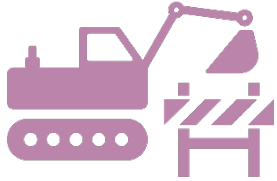
Bell Utility Relocation | April - June 2023



Maintenance Hole Rebuild

- **Duration:** 7 to 16 weeks, depending on work hours
- **Work Activities:** Demolish existing man-hole and construct larger one on east side of Pape at Langley
- **Equipment:** Excavator, concrete truck, dump truck, backhoe, pick-up trucks and other small equipment like jack-hammers and concrete saws
- **Work Hours:** To be determined with City of Toronto
- **Noise Impacts:** Pavement cutting, concrete breaking
- **Traffic Impacts:**
 - Traffic lane on Pape Ave adjacent to work zone will be closed
 - Daytime closure of east sidewalk adjacent to the work zone
 - Access to residences maintained at all times
- **Safety/Mitigation Measures:**
 - Temporary fencing and noise blankets for noise mitigation and dust control
 - Paid duty police officer (PDO) will be on site to manage traffic and pedestrian flow
 - Wayfinding signage for pedestrians

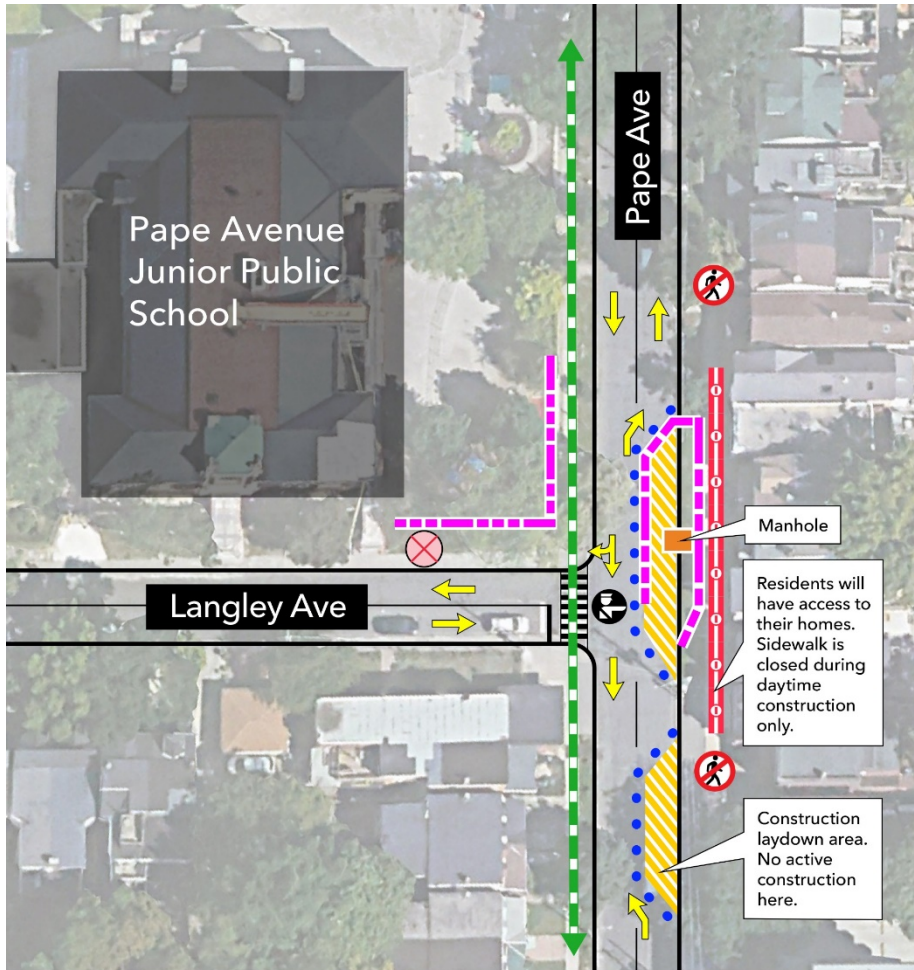
Bell Utility Relocation | Construction Activity and Method



Underground Conduit/Cable Installation

- **Duration:** Expected to take 2-3 weeks
- **Work Activity:** Removal of one tree in city right of way, trenching, subsurface drilling and duct and cable installation
- **Equipment:** Hydrovac, directional drill, backhoe, excavator, drill support truck, pick-up trucks, and other smaller equipment
- **Work Hours:** To be determined with City of Toronto
- **Noise Impacts:** Hydrovac, pavement cutting, tree removal adjacent to playground
- **Traffic Impacts**
 - Entrance to the school will remain open
 - Sidewalk closure during the daytime (up to two weeks) at the northwest section of Pape and Langley
 - Side entrance to the playground will remain open
 - For two - three days, northside sidewalk closure west of school entrance
 - Traffic on Langley will be reduced to one lane during work hours
- **Safety/Mitigation Measures:**
 - Temporary fencing and noise blankets for noise mitigation and dust control
 - Two paid duty officers manage pedestrian and traffic flow
 - North sidewalk on Langley near the school entrance will be closed and signage and PDO will be in place to direct pedestrians to other side

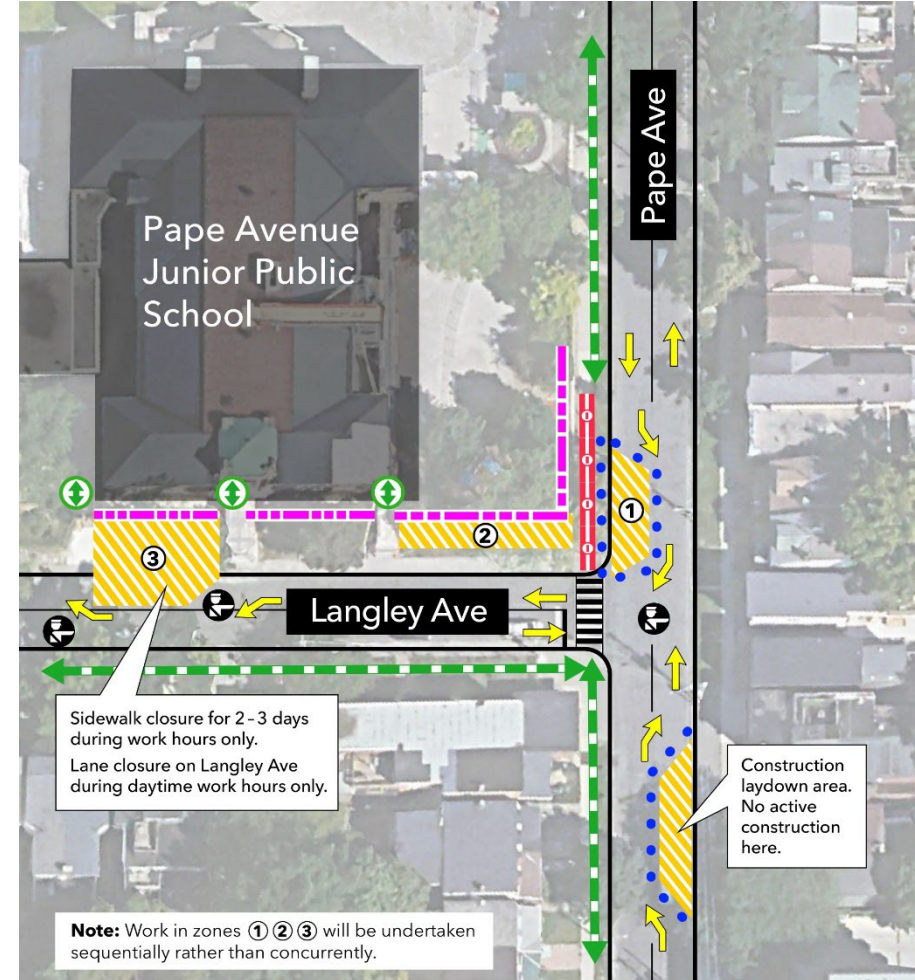
Ontario Line **Bell Relocation Work**



Daytime Work – Manhole rebuild



- Work zone
- Pedestrian path accessible
- Lane direction
- Traffic control cones
- Pedestrian path closure
- Sidewalk closure ahead sign
- Sound barrier
- Paid duty officer directing traffic
- Tree removal



Daytime Work – Underground conduit & cable installation



- Work zone
- Pedestrian path accessible
- Lane direction
- Pedestrian path closure
- Sound barrier
- Paid duty officer directing traffic




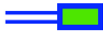








Toronto Hydro Relocation | Construction Activity and Method

- Toronto Hydro's existing duct bank along Pape Ave between Riverdale and Langley will be relocated
- Work is expected to start as early as May 2023 (timing to be confirmed)
- Toronto Hydro is finalizing its plans. Specific details will be shared as soon as they are available
- Work will start at Riverdale Ave and move south along Pape Ave
- Work includes sidewalk and road pavement cutting, maintenance hole construction, hydraulic concrete breakers, jack-hammers, with materials delivered by truck
- Paid Duty Officers will be onsite to manage vehicle flow and keep pedestrians safely moving

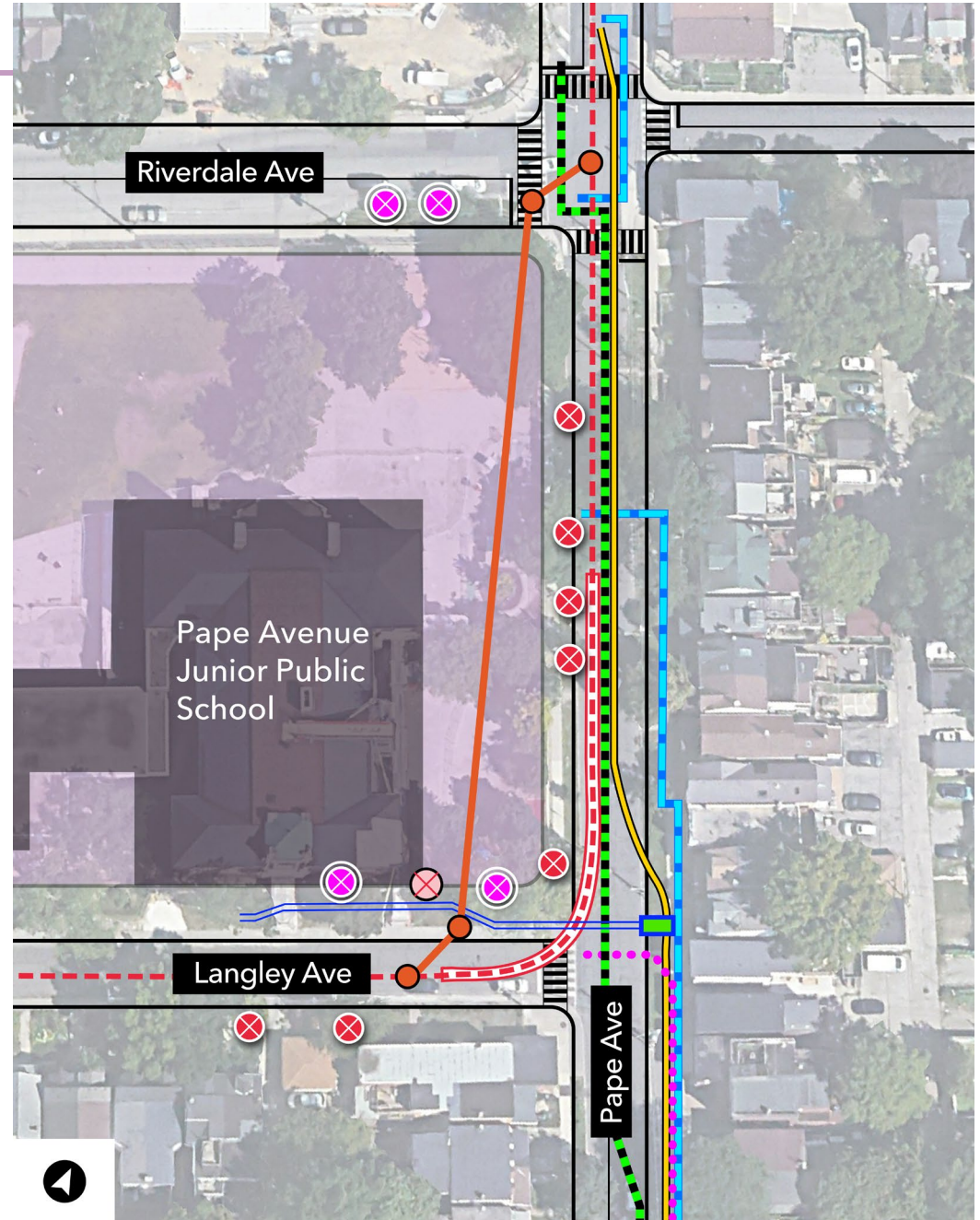
Preliminary Details | Sewer Relocation Plan (Late 2023)

- Metrolinx, City of Toronto and TTC are working together to determine work sequences for the sewer relocation that will be safe, efficient and will have the least impact to road users, the school community and adjacent neighbourhood.
- Next few slides will provide an overview of potential traffic impacts and mitigations from preliminary planned work sequences that were developed in consultation with the City of Toronto and TTC.
- Note that work sequences and potential impacts/mitigations are still work-in-progress and are subject to change.
- Metrolinx is scheduled to hire a contractor for sewer relocation by fall 2023 and the contractor will finalize work sequences and work with the City of Toronto to obtain permit for construction.
- The 1500 mm underground storm sewer from Riverdale Ave to Langley Ave will be installed by micro-tunnelling beneath the school property.

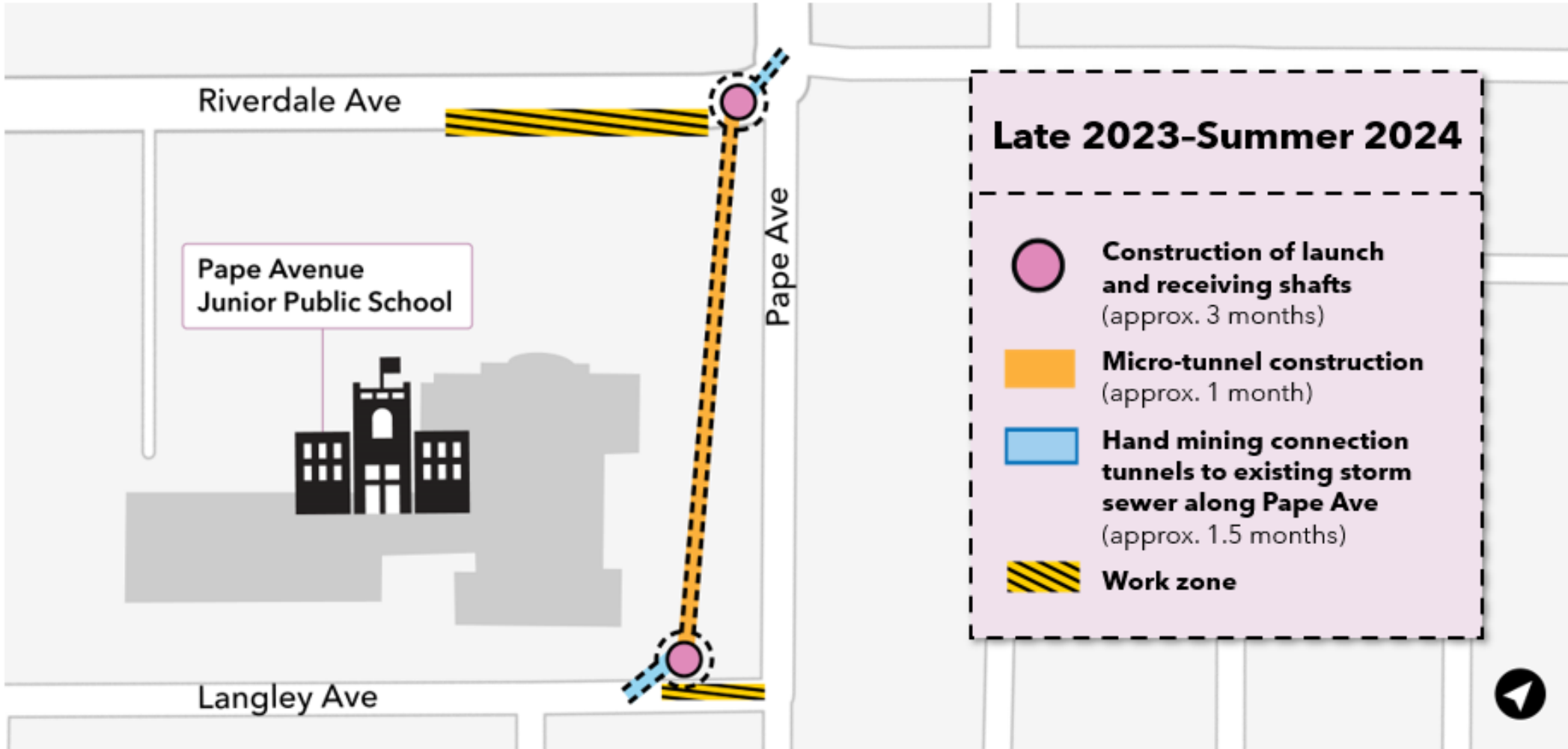
Overview of Sewer Relocation Plans

- | | |
|--|--|
|  Proposed storm sewer |  Proposed water main |
|  Existing storm sewer |  Proposed Bell chamber |
|  Storm sewer to be demolished |  School property boundary |
|  Proposed combined sewer |  Tree removal, Bell, March 2023 |
|  Proposed gas relocation |  Tree removal, storm sewer |
|  Proposed Toronto Hydro duct |  Tree removal, March 2023 |

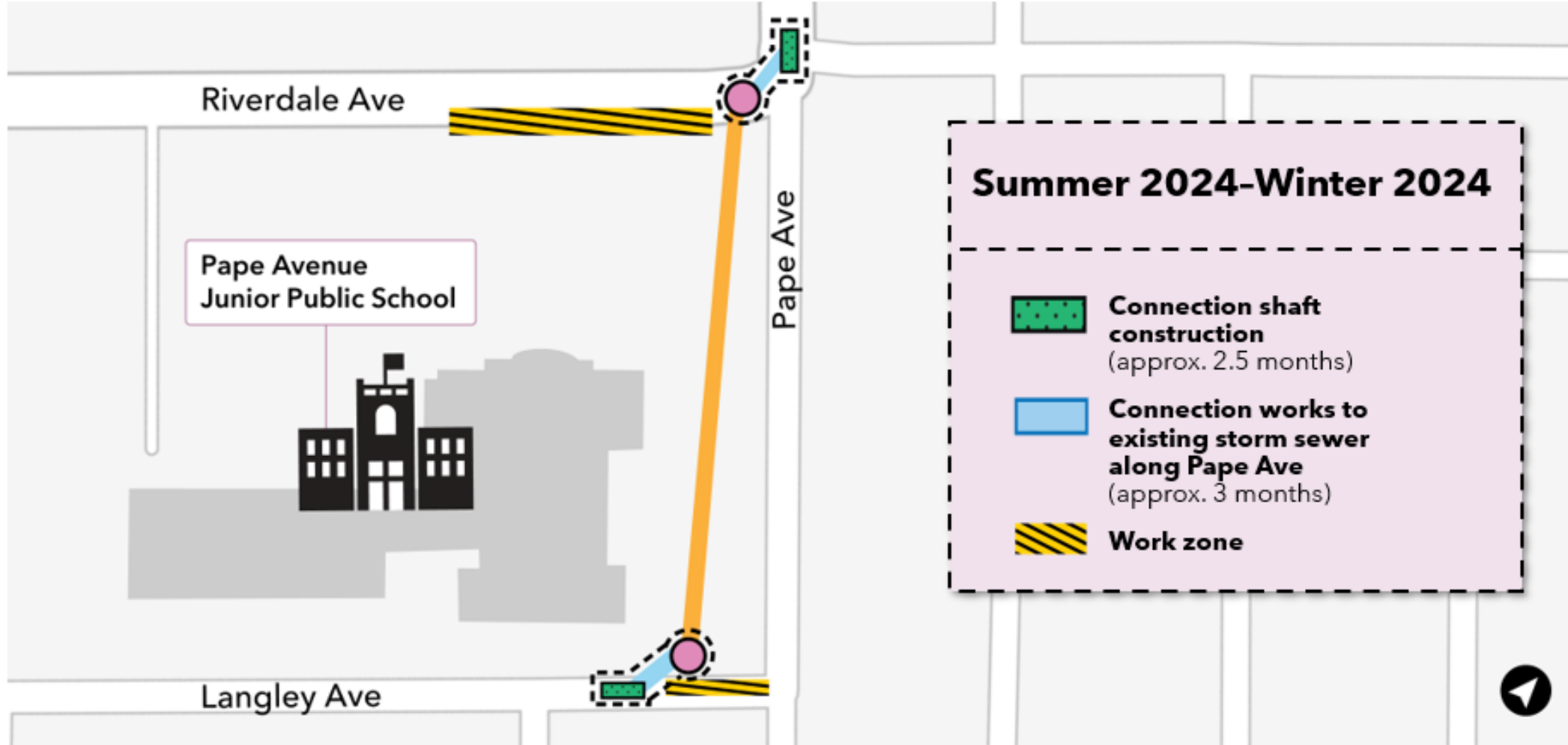
- Tree removals near the school are projected to start as early as Saturday March 18, 2023.
- All removals will take place during the weekend to avoid any interferences with school and daycare operations.
- We expect all trees to be removed before March 31, 2023, before the bird nesting season begins.
- Initially five trees near the Pape Avenue JPS need to be removed to prepare for utility relocations prior to Ontario Line construction.



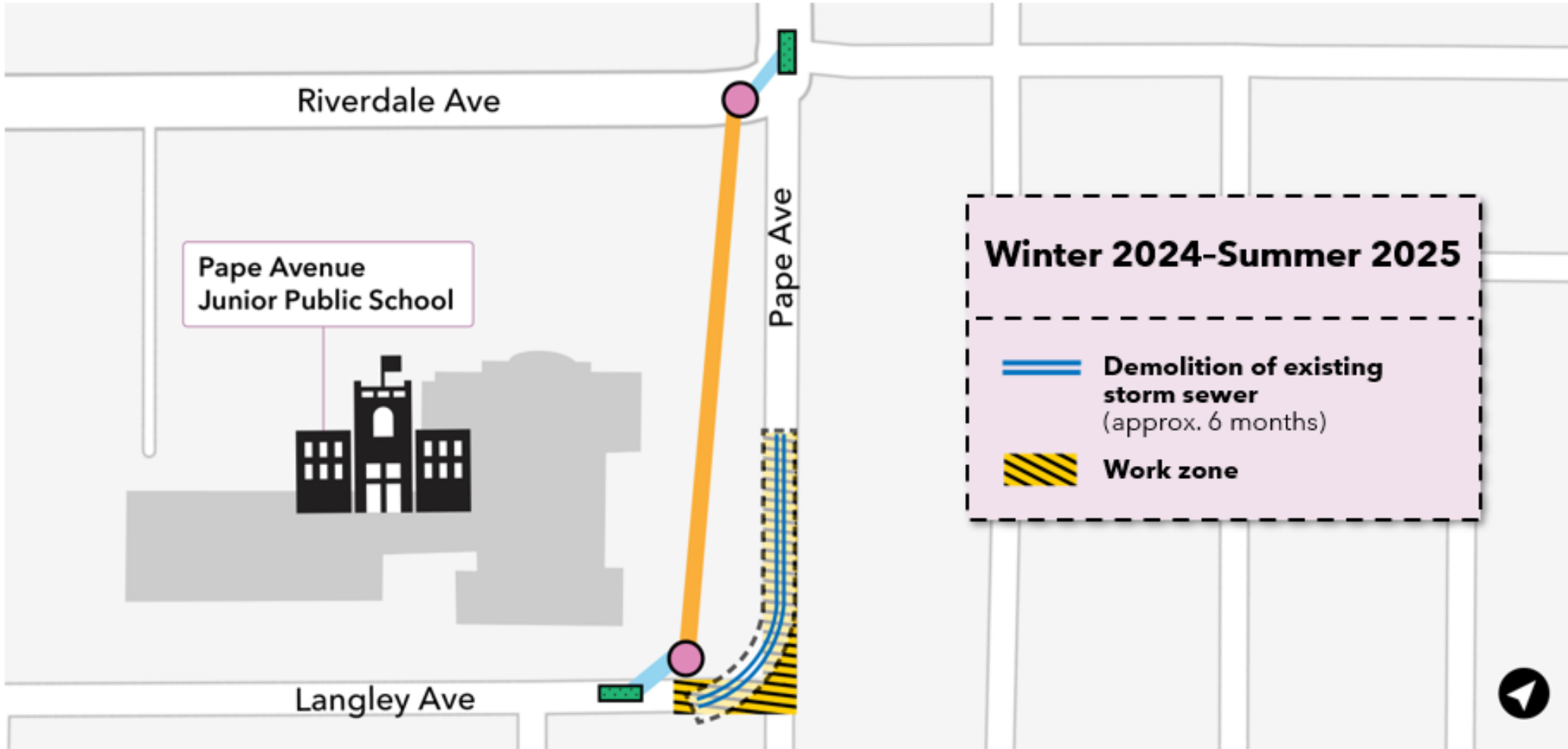
Sewer Relocation | Preliminary Details - Construction Phase 1



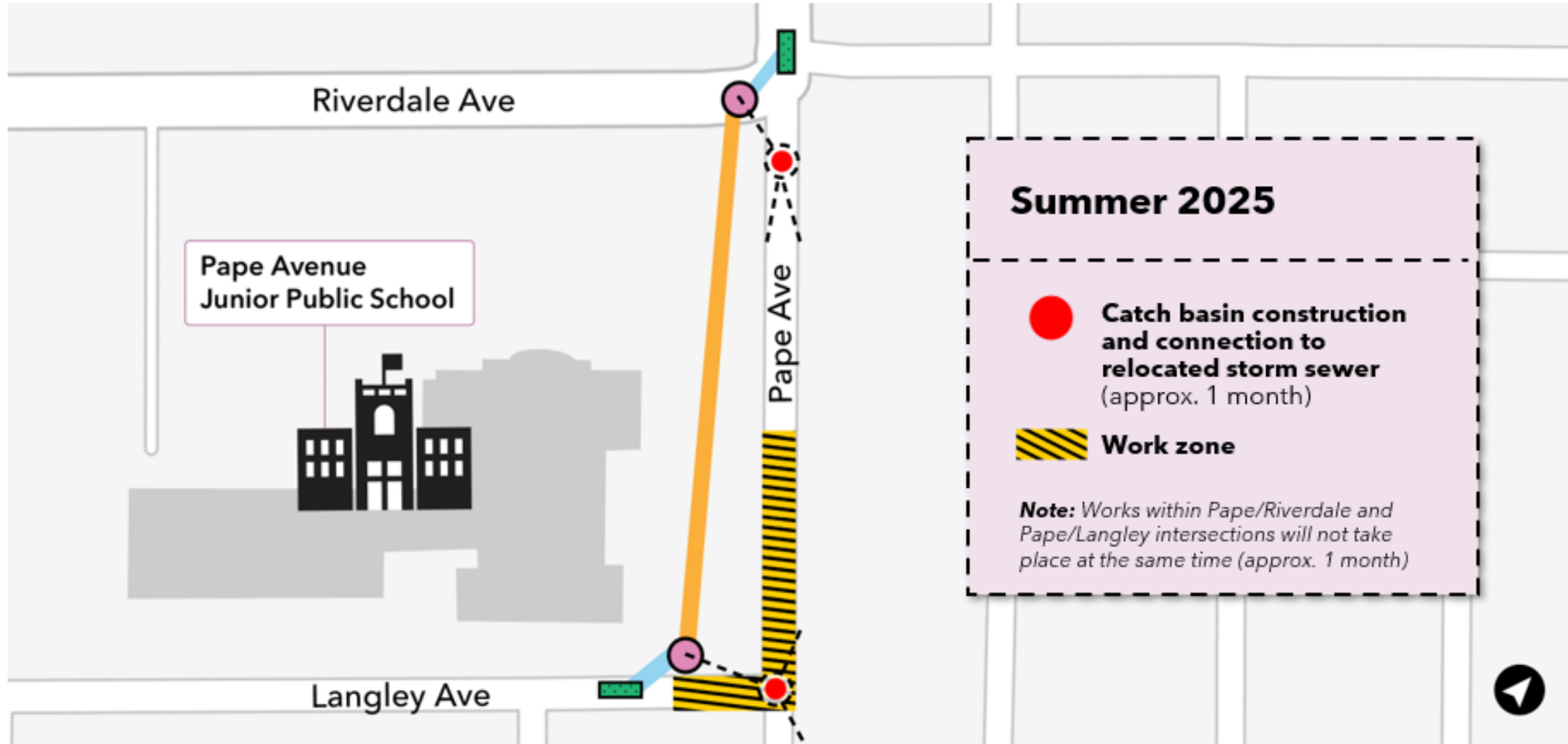
Sewer Relocation | Preliminary Details - Construction Phase 2



Sewer Relocation | Preliminary Details - Construction Phase 3

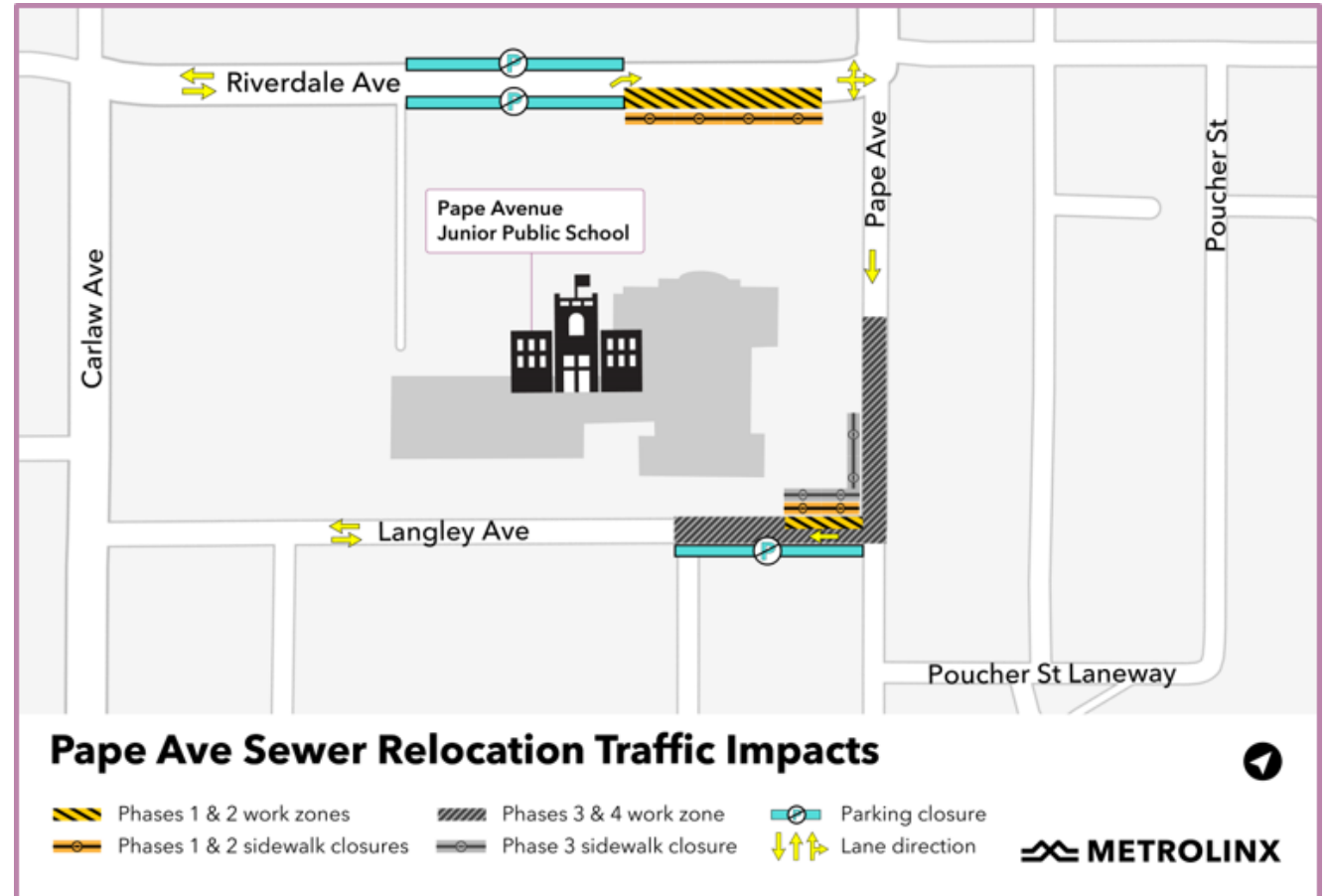


Sewer Relocation | Preliminary Details – Construction Phase 4



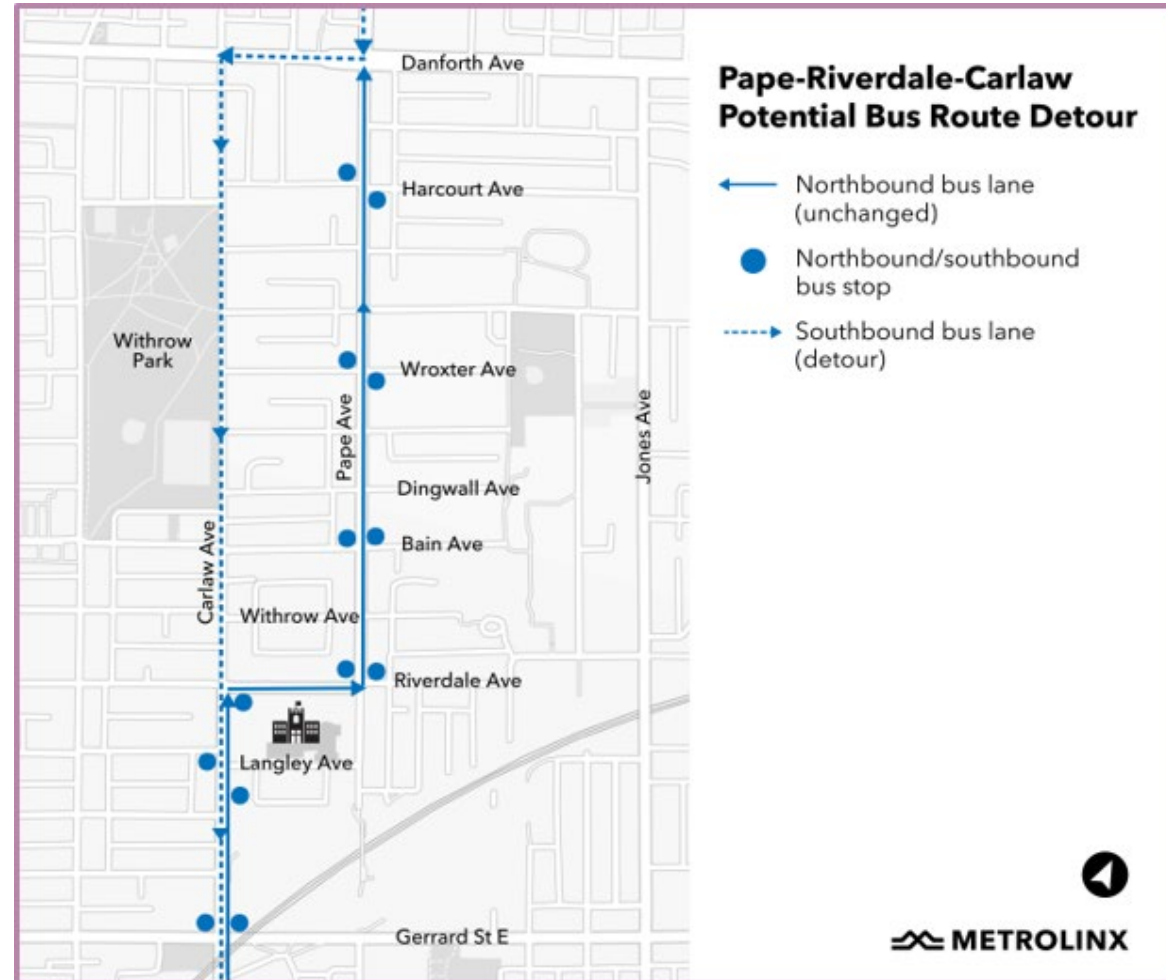
Sewer Relocation I Preliminary Traffic Impacts and Mitigations

- Sewer Relocations work will impact Riverdale, Pape and Langley Ave roadways and intersections around the school.
- **During Phase 1 and 2 works**
 - Traffic will need to be diverted to the one-way roads around the work zones on Riverdale, Pape and Langley.
 - Two-way vehicular connectivity in the area will be maintained via other adjacent major roadways.
 - South sidewalk on Riverdale and north sidewalk on Langley at the work zones will be impacted.
- **During Phase 3 and 4 works**
 - Pape and Langley intersection will be closed to vehicular traffic.
 - Pape via Poucher St Laneway and Poucher St and the laneway south of Langley will continue to provide vehicular connectivity.
- **During Phase 3 works**
 - West sidewalk on Pape and north sidewalk on Langley at the work zones will be impacted.
- On-street parking on Riverdale and Langley will be impacted and replacement parking will be accommodated.



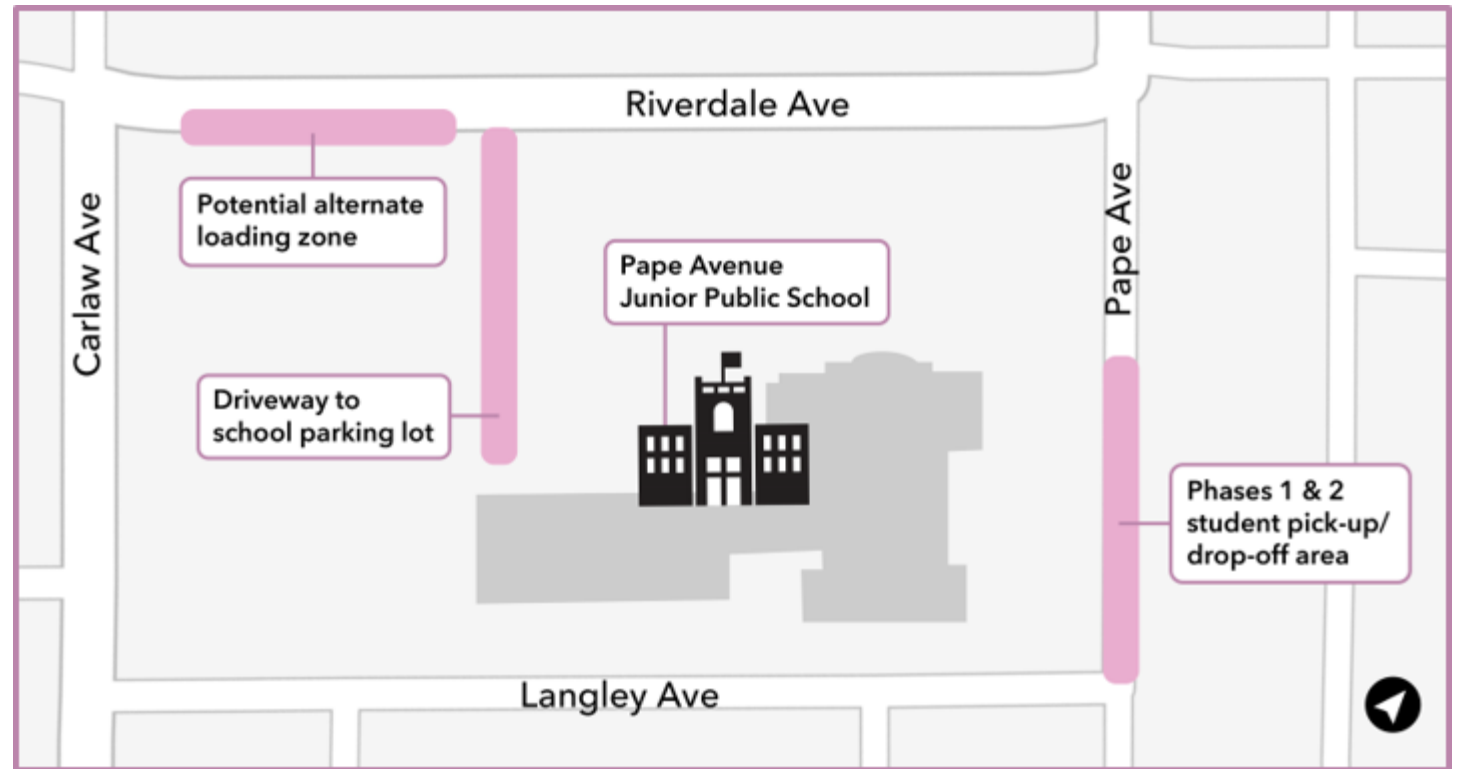
Sewer Relocation I Potential TTC Bus Detour

- TTC Pape bus routes 72 and 325 (overnight) along Pape-Riverdale-Carlaw will be impacted.
- Southbound bus detour will be required.
- Potential for temporary southbound bus detour along Carlaw Ave is currently explored.
- Metrolinx/City/TTC will check feasibility of other existing bus routes as a detour.
- Metrolinx would like to hear preference from local community on southbound bus detour route.









Sewer Relocation I Potential School Pick-up/Drop-off Impact

- Metrolinx confirmed with Pape Avenue Junior Public School that school bus loading is not required.
- Same as existing, during Phases 1 and 2, school pick-up/drop-off may take place on Pape.
- During Phase 3 and 4, pick-up/drop-off on Pape and Langley may not be available.
- Riverdale Ave could potentially be the alternate pick-up/drop-off zone.
- There will be on-going consultation with the School-Parent Council.



Sewer Relocation I Overview of Proposed Traffic Mitigation

					
PEDESTRIANS	AUTO & CYCLIST	TTC BUSES	PROPERTY ACCESS	ON-STREET PARKING	SCHOOL PICK-UP/DROP-OFF
<ul style="list-style-type: none"> • Our goal is to maintain safe pedestrian connections for all open sidewalks. • There will be some sidewalk closures in the work area; however, safe pedestrian connections will be maintained at all time. • For sidewalk closures, signage will be in place at nearest intersections to direct pedestrians to the other sidewalk. 	<ul style="list-style-type: none"> • Our goal is to maintain areawide traffic movements with some lane or intersection closures. • There will be local traffic detours due to directional/lane or intersection closures. • Vehicle access to all properties will be maintained. 	<ul style="list-style-type: none"> • Pape 72 and 325 TTC bus routes will be maintained at all time. • There will be detour of southbound buses including relocation of bus stops. • Southbound detour along Carlaw Ave between Danforth and Riverdale is being explored. • Feasibility of other existing bus routes as detour will be considered. 	<ul style="list-style-type: none"> • Front door accesses will be maintained for area properties. 	<ul style="list-style-type: none"> • There will be impacts to on-street permit parking on Riverdale and Langley. • Replacement parking will be in place. • Location for replacement parking are being confirmed. 	<ul style="list-style-type: none"> • Our goal is to ensure safe student pick-up/drop-off locations. • Same as existing, during Phases 1 and 2, pick-up/drop-off may continue to take place on Pape. • During Phases 3 and 4, pick-up/drop-off on Pape and Langley may not be available. • Riverdale Ave could potentially be the alternate pick-up/drop-off zone. • There will be on-going consultation with the School-Parent Council.

NOISE MITIGATION | NEW MEASURES

- Metrolinx investigated new noise mitigation measures in early-January as part of hydrovac and concrete cutting work on Pape Ave adjacent to the school.
- Temporary noise barriers were installed, and outdoor and indoor noise monitoring carried out.
- Outdoor and indoor monitoring found noticeable reduction in noise levels.
- Measurements inside the classrooms showed construction noise was noticeable but not excessive with barriers.
- Pape Children's House staff on site the week of January 3-6 confirmed noise was not disruptive to indoor activities, including nap time.

Next Steps:

- Metrolinx is investigating longer term noise mitigation measures which will be discussed with TDSB, the school and brought forward to the CLC for discussion.
- In the short term, Metrolinx is asking the utility companies to use similar temporary noise barriers, which are expected to provide 6-12 dB of noise reduction.



Noise & Vibration Monitoring - Initial Results

- Initial noise measurements during concrete cutting (the noisiest activity), hydrovac and jackhammering were conducted on January 4, 2023.
- A temporary noise barrier provided 6 dB noise reduction (based on concrete cutting noise measurements). Other activities showed higher noise reduction (9-12 dB) with these barriers.
- Noise reduction for concrete cutting through open window and exterior wall is 21 dBA with noise barrier
 - Outdoor playground area = 77 dBA
 - Indoor of Wonderland Room (window open) = 56 dBA
 - Indoor of Wonderland Room (window closed) = 45 dBA
 - Background Indoor Noise (windows open, no construction) = 48 dBA
- Metrolinx is seeking permission from TDSB to monitor for noise and vibration during the upcoming utility relocation works at two locations on site (Figure 1) and inside the school



Construction Noise Monitoring

- Metrolinx, through extensive construction on a variety of previous projects, has developed construction noise limits to address public concerns. Construction noise limits proposed for the Pape School Preparatory Works, are identified in Table 1.
- These construction noise limits are also consistent with applicable noise exposure regulations (to address student and staff safety), from the *Occupational Health and Safety Act* O. Reg. 381/15: Noise
- Metrolinx will receive real-time exceedance notifications. Upon receipt of a noise limit exceedance, an investigation on the cause of the exceedance will be performed and identification of mitigation to implement to address the exceedance
- If the cause of the exceedance is not addressed, a stop work order may be issued.

Table 1 - Construction Noise Limits and Measured Noise Levels

	Type	Noise Level or Limit (dBA)	Alert Level (dBA)	Allowable Exposure (hrs/day)
Monitoring Noise Limits, Playground Area	Average Noise Limit (Leq, 07:00-18:00)	69	66	-
	Maximum Noise Limit (Lmax)	85	82	-
Construction Activities With Barriers, Playground Area (short term measurement)	Concrete Cutting	77	-	1
	Hydrovac	72	-	4
	Jackhammer	70	-	8

Outdoor Air Quality Monitoring

- Outdoor air quality will be monitored **BEFORE** construction begins and **DURING** construction.
- Metrolinx is consulting with TDSB on the outdoor air quality monitoring location.
- **Particulate matter** (dust, pollen, fuel combustion emissions) and **total volatile organic compounds** (TVOCs) will be monitored on the school property before construction begins to baseline conditions. Outdoor air will also be tested for silica (tiny sand fragments) prior to the start of construction.
- Outdoor air quality monitoring results will be compared to federal or provincial Ministry of Environment (MECP) criteria that are averaged over a 24-hour time period:
 - PM2.5 (tiny particles less than 2.5 microns): 27 ug/m³, measured real-time
 - PM10 (small particles less than 10 microns): 50 ug/m³, measured real-time;
 - Respirable crystalline silica: 5 ug/m³, measured by collecting a sample for 24 hours and sending it to a lab for testing.
- Details on air monitoring during construction will be discussed at the next CLC meeting.

Indoor Air Quality (IAQ) Monitoring

- Indoor air quality will be monitored **BEFORE** construction begins and **DURING** construction.
- Metrolinx is consulting with TDSB on up to three (3) indoor air quality monitoring locations at the school.
- **Particulate matter** (dust, pollen, fuel combustion emissions) and **total volatile organic compounds** (TVOCs) and will be monitored during the school day before construction begins to baseline conditions.
- Indoor air quality monitoring results will be compared to reference guidelines published by Health Canada, the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE), American Industrial Hygiene Association (AIHA) and the US Green Building Council:
 - PM10 (small particles less than 10 microns): 50 ug/m³, measured real-time;
 - TVOCs: 1,000 ug/m³, measured real-time.
- Details on air monitoring during construction will be discussed at the next CLC meeting.

Environmental Testing at PAJPS and Riverdale Mall

Environmental Testing | PAJPS and Riverdale Mall



PAJPS:

- No further soil or groundwater testing and archeological work on the school property is needed in preparation for construction.
- Nearby soil testing results from the geo-environmental drilling program will be used for construction planning.



Riverdale Mall:

- Permission to conduct the Phase Two Environmental Site Assessment (ESA) at Riverdale Mall (449 Carlaw) has not yet been provided.
- Metrolinx intends to complete the Phase Two ESA work before construction begins in late 2024.
- Excess soil generated during construction will be tracked on the public Resource Productivity and Recovery Authority (RPPRA) Excess Soil Registry.
- Contaminated materials will be managed and disposed by a qualified waste disposal contractor at an MECP-permitted waste management facility.

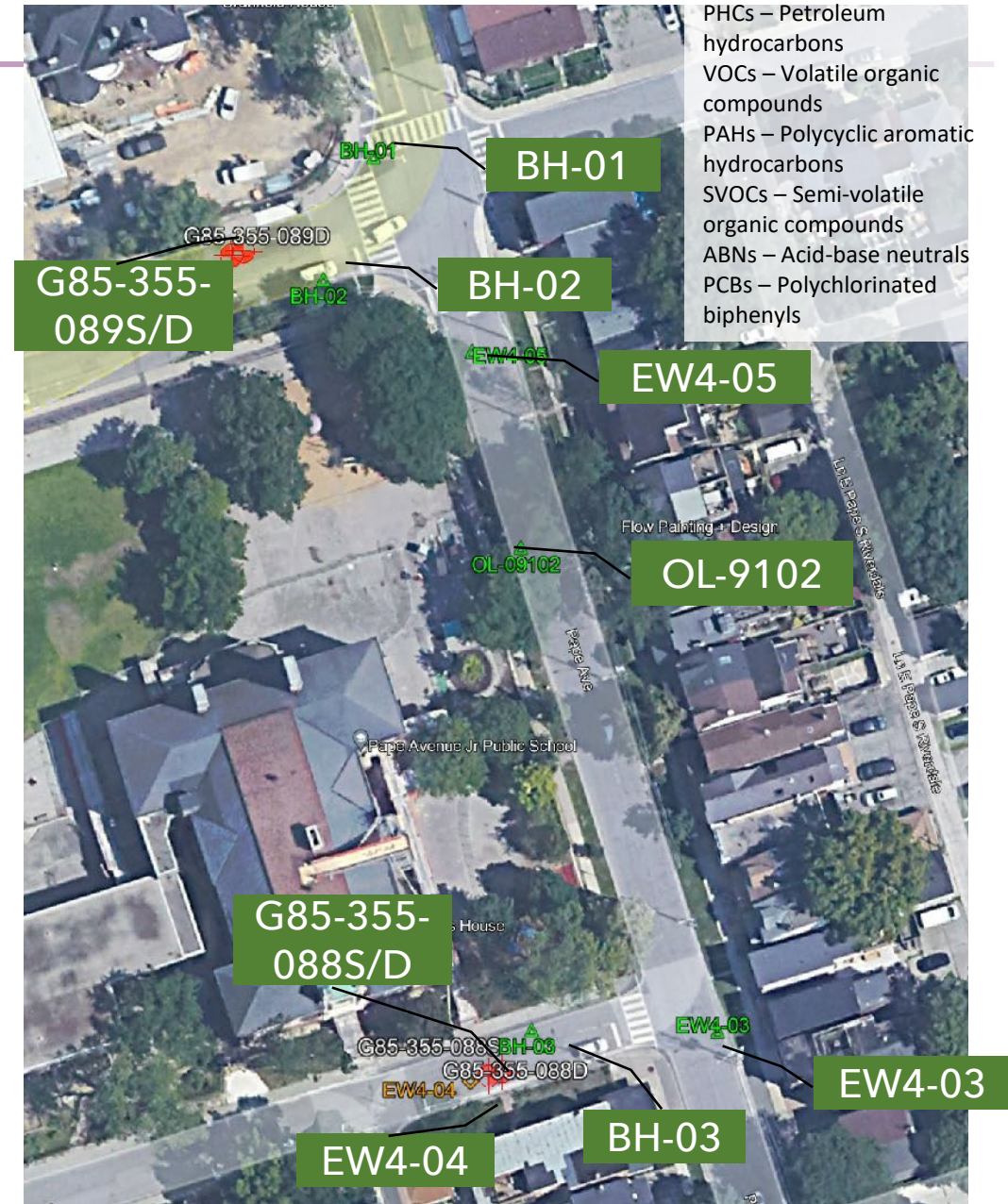
Environmental Testing | Findings

Soil:

- Forty-one (41) soil samples were tested for one or more of the following chemicals: metals and inorganics, PHCs, VOCs, PAHs, SVOCs, PCBs, dioxins and furans.
- All chemicals were below MECP Site Condition Standards, except benzo(a)pyrene in one soil sample from borehole OL-9102 from 0.3 to 0.9 metres below ground surface, which is within the proposed storm sewer removal excavation. Air monitoring will be conducted during excavation activities.

Groundwater:

- The groundwater samples collected from six (6) monitoring wells met the applicable MECP Site Condition Standards and/or City of Toronto Sanitary Sewer Use By-Law limits, except for total suspended solids (TSS) in two wells.
- The TSS exceedances of the sewer by-law limits do not pose health concerns to the community. Water removed from excavations will be treated to settle the solids and discharged to the municipal sewer.



Discussion / Q&A

What's Next

CLC Next Steps

- Metrolinx to share recording of CLC meeting
- Metrolinx to provide meeting summary and action items
- Metrolinx to post meeting materials to Ontario Line webpage
- Next CLC meeting March 28, 2023

Construction Activities Commence

- Tree removals the weekend of March 18/19, 2023. Five trees near the school need to be removed to prepare for utility relocations
- Metrolinx to coordinate locations with TDSB to baseline outdoor and indoor air quality before construction begins
- Install vibration monitors inside the school as well as noise monitors inside and outside the school
- Conduct air quality monitoring inside and outside the school
- Bell utility relocation at Pape Ave. & Langley Ave. expected to begin April 2023

Continued Outreach and Engagement

- Metrolinx to provide formal response to Parent Council Letter
- Metrolinx, TDSB, Pape School and Pape Children's House to meet regularly to discuss project activities
- Metrolinx will keep the community informed beyond the CLC
 - Regular updates to elected officials (Councillor, MPP, MP and School Trustee)
 - Canvassing (door-knocking) within the school area to speak with residents directly and respond to questions/concerns
 - Community notices about upcoming construction activities
 - Community pop-ups in person and virtual

Contact the Ontario Line Community Engagement Team

Mark Clancy

Sr. Manager, Community Engagement
mark.clancy@metrolinx.com

Norando Brown

Community Engagement Advisor
norando.brown@metrolinx.com

Ontario Line

General email
ontarioline@metrolinx.com

Call Us

416-202-5100
(7/24 hotline launches end of March, 2023)

Visit Us at the Ontario Line Community Office

770 Queen Street East
Monday - Friday (10 am to 6 pm)



