



LAWRENCE-KENNEDY STATION

Highlights of Environmental Studies

TRANSPORTATION

- A Transportation Brief is currently under review by the City and Metrolinx.
- Preliminary findings:
 - No full Transportation and Traffic Impact Assessment required. While there may be slightly greater than 100 A.M. peak-hour, peak-direction auto trips* it is anticipated that the reduction in commuter parking by approximately 50% will encourage alternative modes of transportation to access the station.

*This is generally the City of Toronto threshold for determining whether a full assessment is required.



- Legend**
- Proposed Project Footprint (approximate)
 - TTC - Lawrence East Station
 - Permanent Watercourse
 - Railway
 - TTC - Line 3
 - Study Intersections

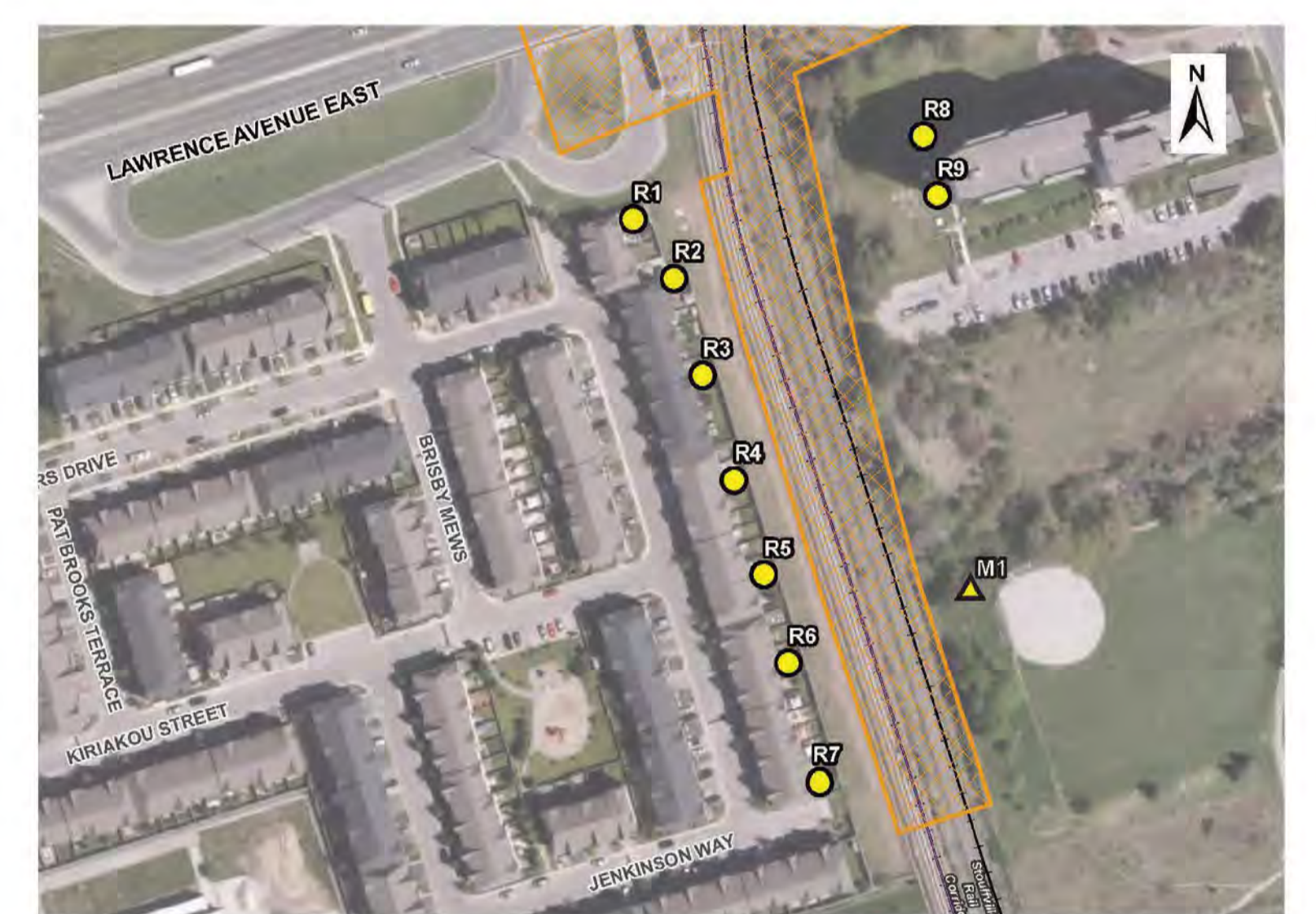
NOISE AND VIBRATION

Potential Effects

- Nighttime construction sound levels may exceed Federal Transit Administration (FTA) criterion at nearby residences
- Presence of station is not expected to affect sound levels (assessment is underway)
- No anticipated vibration effects.

Mitigation Measures

- A Noise and Vibration Control Plan will be developed prior to construction
- A more detailed assessment of potential noise and vibration impacts will be developed as part of detailed design
- Construction to be planned to minimize the number of nights where noisy nighttime construction activities may be required
- Keep construction equipment in good repair.



- Legend**
- Proposed Project Footprint (approximate)
 - TTC - Lawrence East Station
 - Permanent Watercourse
 - Railway
 - TTC - Line 3 Scarborough
 - Receptor Monitoring Location

AIR QUALITY

Concentrations of selected contaminants are estimated to be below provincial and federal air quality thresholds at nearby residences.

Potential Effects

- Emissions from engines of construction equipment, dust emissions from stockpiles, loading/unloading activities and transportation of soils during construction
- Emissions from passenger vehicles using the parking lot and buses during operation.

Mitigation Measures

- An Air Quality Management Plan will be developed and implemented to address items such as use of dust suppressant measures during construction (e.g., covering dump trucks, minimizing loading/unloading of soils and washing of construction equipment and vehicles)
- Provide signage to discourage idling in parking area
- A more detailed assessment of potential air quality impacts will be developed as part of detailed design.