

Queens Quay Working Group Meeting #7

December 14, 2010

Agenda

1. Welcoming remarks
2. Introduction and meeting overview
 - a. Review agenda
 - b. Review draft meeting minutes from Nov. 16th
 - c. Review comments/issues matrix
3. Community Update Meeting #2 report back
4. Update on bus management strategy
5. Report back on Queens Quay 'postering' study
6. Overview of electrification strategy
7. 2- month outlook
8. Meeting working schedule and next steps

Community Update Meeting #2

- Approx. 150 - 200 people attended
- Provided the public with information on projects currently underway, including Portland Slip Waters Edge and York Quay Revitalization
- Focus of the meeting was on the key design elements for Queens Quay i.e. materials, trees and movement



Community Update Meeting #2

Feedback heard:

- Supportive of the Portland Slip revitalization and the fact that it will continue to be an active slip
- Some initial confusion on what will take place above grade at York Quay
- Very supportive of the vision for Queens Quay and comments focused on barriers to implementation and not on the design itself



Community Update Meeting #2

Queens Quay:

- “When will we be able to cycle along the waterfront?”
- “I am concerned that our new mayor and council will not fund or support our waterfront.”
- “I love the tree choices.”
- “Are there planned strategies in place to animate the waterfront, especially in the winter months?”
- “I would like to see Queens Quay completed as soon as possible.”
- “This is a great plan.”
- “Hope it all happens.”

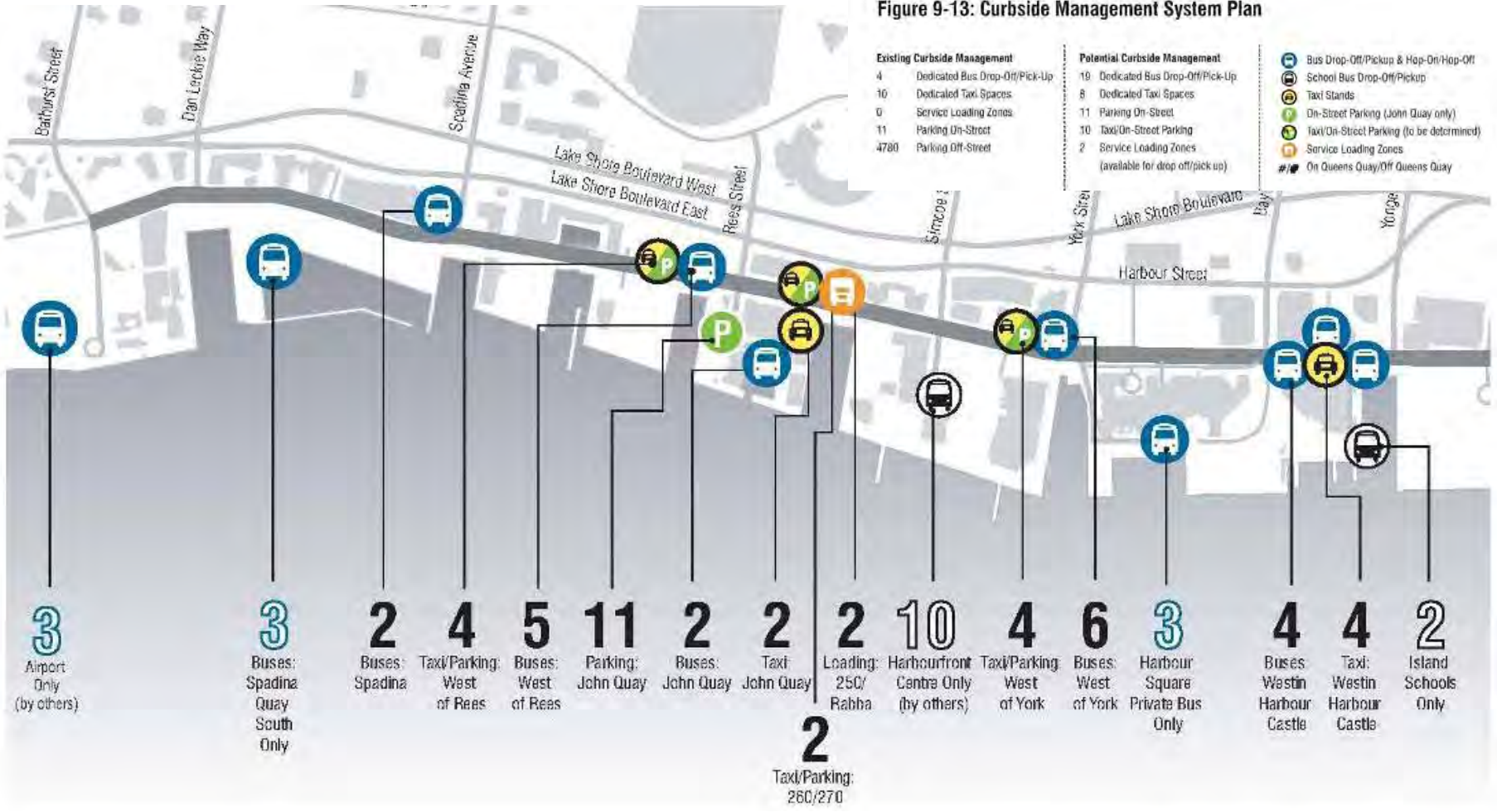
Update on Bus Management Strategy



CURB-SIDE MANAGEMENT PLAN

Queens Quay Revitalization Environmental Assessment

Figure 9-13: Curbside Management System Plan



STUDY SCOPE AND WORK PLAN

1. Information collection & capacity building – SUMMER/FALL 2010

- bus demand surveys
- stakeholder discussions
- obtain information for:
 - current bus parking
 - short-term pick-up / drop-off
 - activity levels

deliverable: data summary



2. Analysis & synthesis - JANUARY 2011

- review collected information & studies
- develop future busing needs & activity forecasts
- develop design & operational guidelines and principles

deliverable: summary of findings, design guidelines & principles



STUDY SCOPE AND WORK PLAN

3. Option development – FEBRUARY/MARCH 2011

- develop alternate design solutions
- develop management / operational options
- assess relationship to existing / planned broader bus parking and management needs

deliverable: initial design & operational management options



4. Evaluation & refinement – MARCH/APRIL 2011

- liaison with stakeholders & working groups
- evaluation of preliminary options
- refine design / management concepts
- identify preferred physical and management measures

deliverable: preferred design recommendations & final report



STUDY SCOPE AND WORK PLAN

5. Develop potential pilot programme – MAY/JUNE 2011

- develop range of pilot programme options for implementation
- develop monitoring programme to assess effectiveness and outstanding demand needs following implementation of the physical design solution

deliverable: pilot programme parameter & trial monitoring programme

6. Input into bus management during construction – MARCH/ - JULY 2011

- liaison with queens quay design team

deliverable: input into construction staging

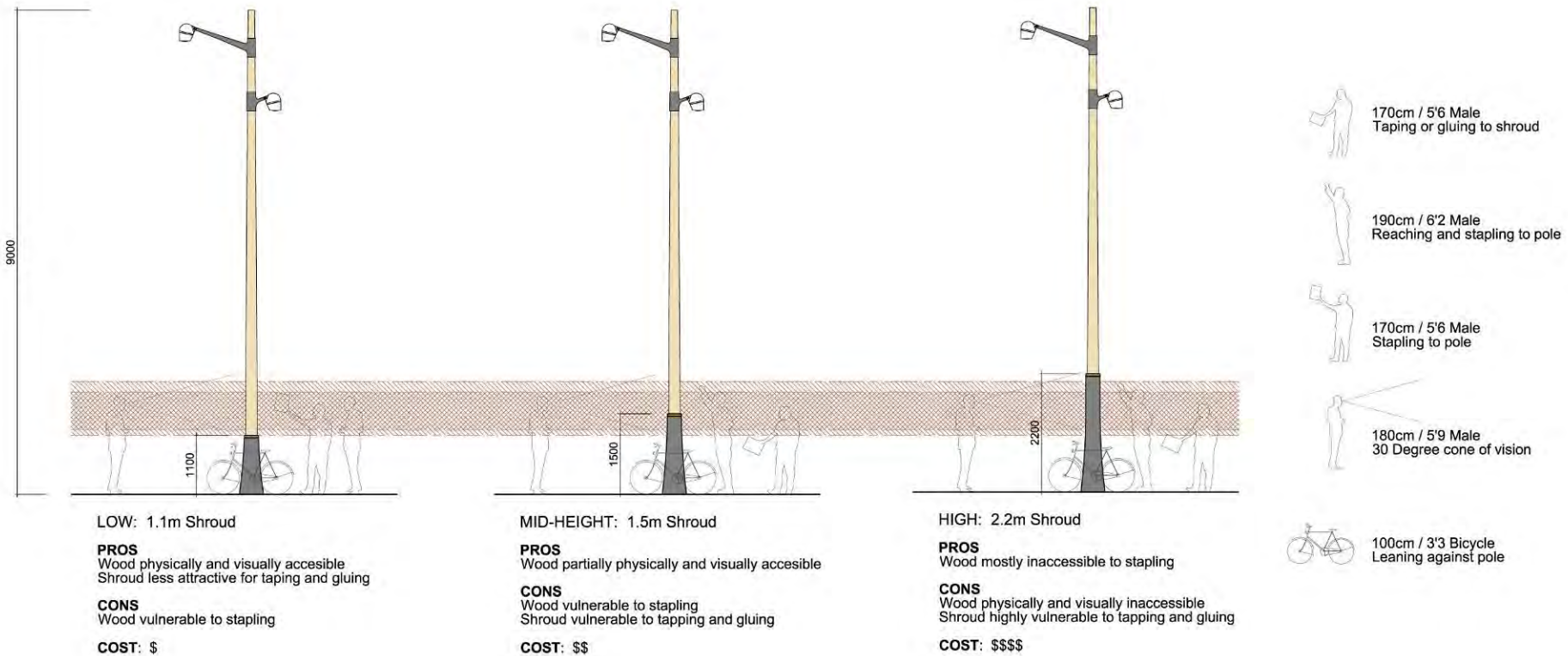



Queens Quay 'Postering' Study




POSTERING STUDY (summer 2009)

Postering Analysis Shroud Height



 The heaviest postering occurs in a 700mm zone located approx. 1.2m above ground

 Regular postering was noted from 1.1m to as high as 2.1m above ground

(Infrequent postering & tagging is observed at ground level and above)

POSTERING STUDY (summer 2009)

Metal Poles Taped and Glued



Adhesive residue on metal pole



Steel Poles – Adelaide Street

POSTERING STUDY (summer 2009)

Concrete Poles Taped and Glued



Adhesive residue on concrete poles



Concrete poles – Church Street

POSTERING STUDY (summer 2009)

Wood Poles 20-30 years old



Heavily stapled wood poles



Wood poles – Park Road and Rosedale Valley Road

POSTERING STUDY (summer 2009)

Wood Poles 3-5 years old



Lightly stapled & taped wood poles



Wood poles – Pape Avenue

POSTERING STUDY (summer 2009)

Posting Deterrents



Pole-mounted devices – Church Street



Public Message Board – Bloor Street

Electrical strategy



ELECTRICAL PLAN

Tree Lighting Uplighting vs. Light Strings



Uplighting trees (Berlin Festival of Lights)



Uplighting trees (Cumberland Park, Toronto)



Uplighting trees (Bloor Street, Toronto)



Lights hung on trees (Seattle, WA)



Lights hung on trees (Preston Street, Ottawa)

UPLIGHTING:

- Light are recessed into the tree pit or surrounding pavement. Power source is hidden and protected underground. No wires or electrical equipment comes into direct contact with the tree.
- 'Best practices' method of tree lighting does not impede the growth of the tree
- Higher initial investment but requires little or no maintenance. Easily accessible at ground level and require no specialized equipment for replacement.

LIGHT STRINGS ('FAIRY LIGHTS'):

- Light strings are wound directly onto the tree and powered by an in-ground electrical outlet.
- Lower initial investment but requires seasonal maintenance (removal or loosening) in order to prevent girdling and strangulation of the tree over time.
- As the tree canopy expands, it requires more lights to acheive a convincing effect. As the tree grows, maintenance becomes increasingly time consuming, requires specialized equipment and is often abandoned at the expense of the tree's health.

ELECTRICAL PLAN

Tree Lighting Seasonal Lighting



Seasonal street lighting (Italy)



Seasonal lighting of trees (Champs Elysees, Paris)



Seasonal lighting combined with year-round uplighting (Cumberland Park, Toronto)



Seasonal tree lighting (San Jose, CA)



Seasonal lighting-mounted on buildings



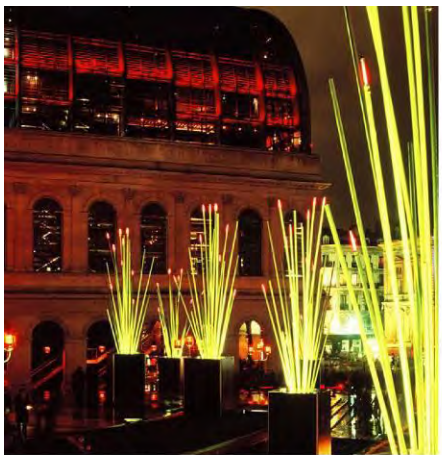
Seasonal lighting-mounted on buildings

SEASONAL LIGHTING:

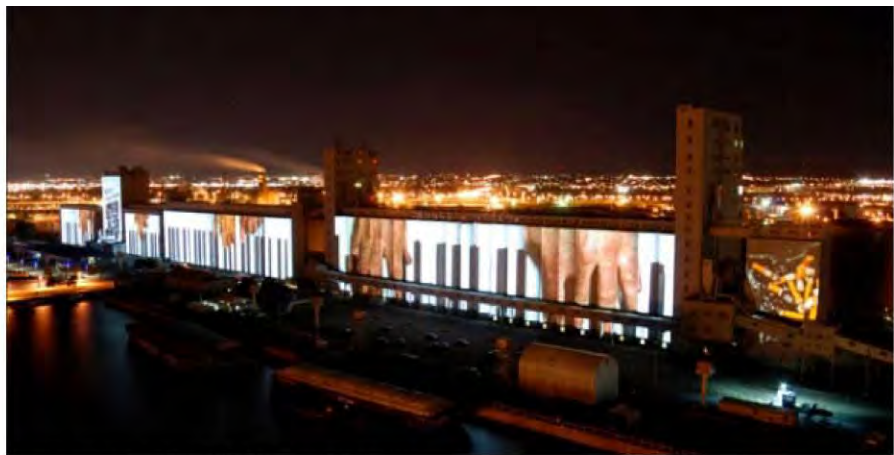
- Can be used to compliment a more subtle year-round illumination such as in-ground lights.
- Will not impede the growth of trees if maintained seasonally.
- Requires above-ground receptacles and additional overhead cabling and anchor points.
- Additional maintenance cost for seasonal installation and removal.

ELECTRICAL PLAN

Event Lighting



Light installation (Lyon Festival of Lights, France)



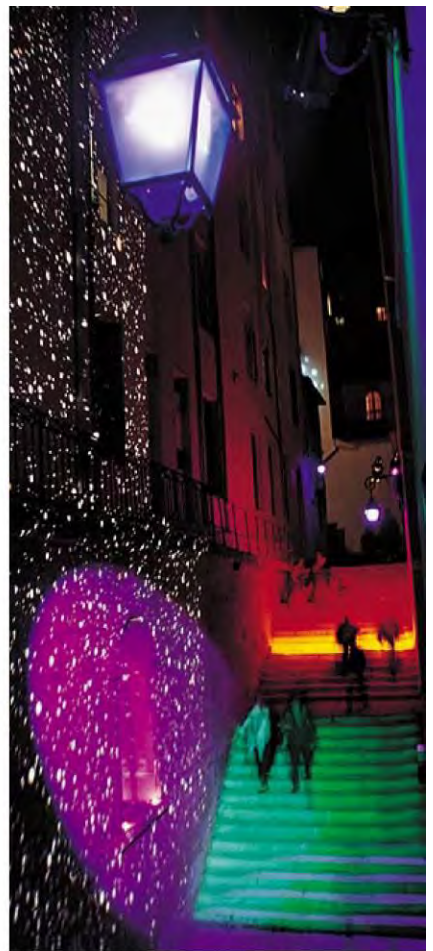
Projection onto buildings (Quebec City 400th Anniversary Celebration)



Walkway projection (Lyon Festival of Lights, France)

SPECIAL EVENT LIGHTING:

- Opportunity to create an event which uses the whole street as a canvas, allowing individual businesses or local artists to express an identity.
- Use of a variety of light sources including light installations, uplighting & projections.
- Requires above-ground receptacles and additional overhead cabling and anchor points.
- Additional maintenance cost for installation and removal.



Alleyway projections (Lyon Festival of Lights, France)

ELECTRICAL PLAN

Surface Electrical Equipment



TX Pad-mounted Transformer (Sugar Beach)
 2m x 2m exterior dimension
 7m x 4m clear required



SG Pad-mounted Switchgear (Sugar Beach)
 1.4m x 1.4m exterior dimension
 5.4m x 3.4m clear required



BIA Metering Cabinet / BIA Panel (Sugar Beach)
 1.2m x 1.5m x 0.6m exterior dimension
 3m clear in front required
 *Finish shown is not typical



SL Street Lighting Pedestal
 0.5m x 0.6m x 1.5m exterior dimension



● Seasonal Lighting Power (Distillery District)
 15A, 120V receptacles to power light strings



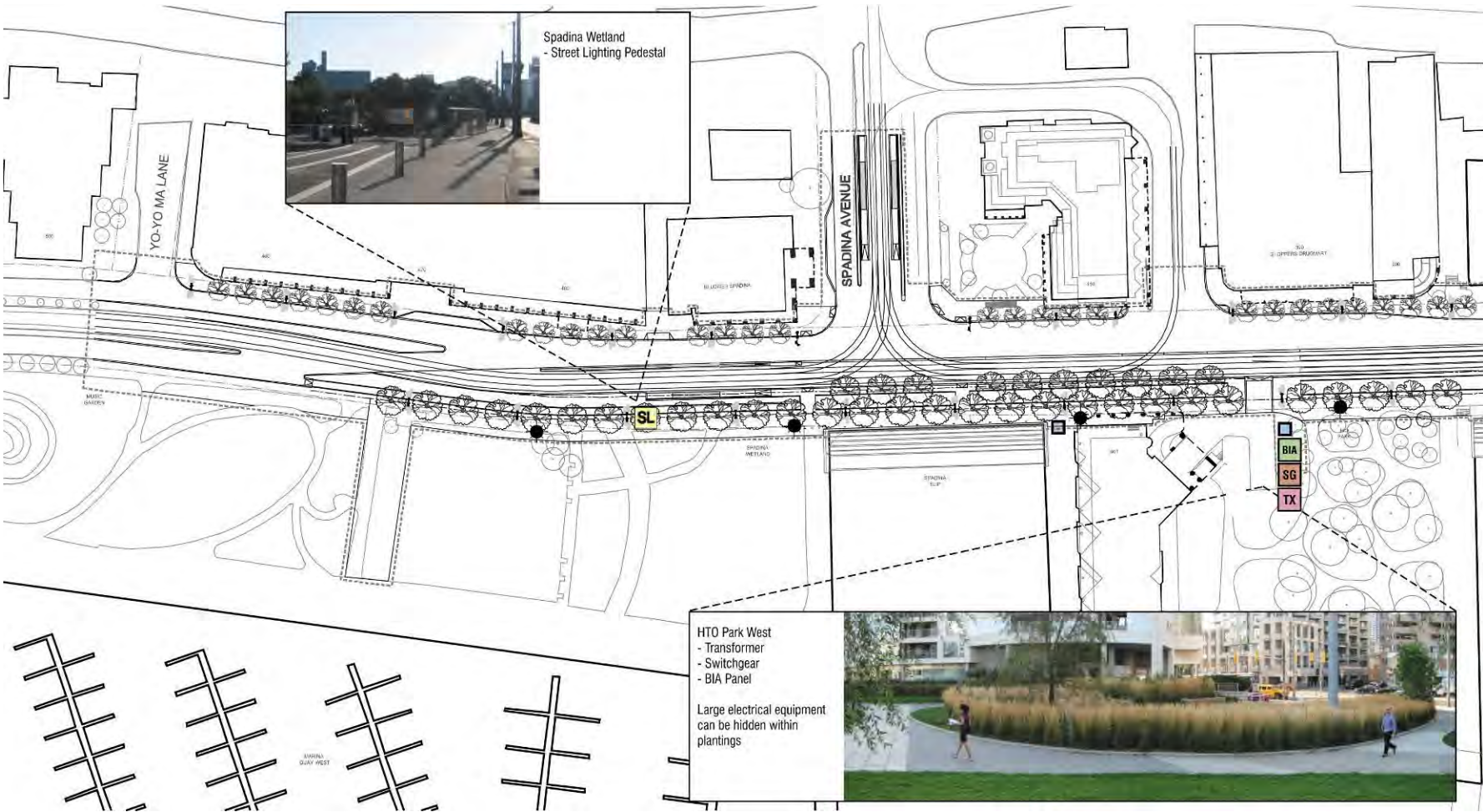
● Seasonal Lighting Power (Bloor Street)
 15A, 120V receptacles to power uplighting



■ In-ground Electrical Receptacle / Event Power (WEP)
 0.8m x .06m surface dimension

ELECTRICAL PLAN

Surface Electrical Equipment



ELECTRICAL PLAN

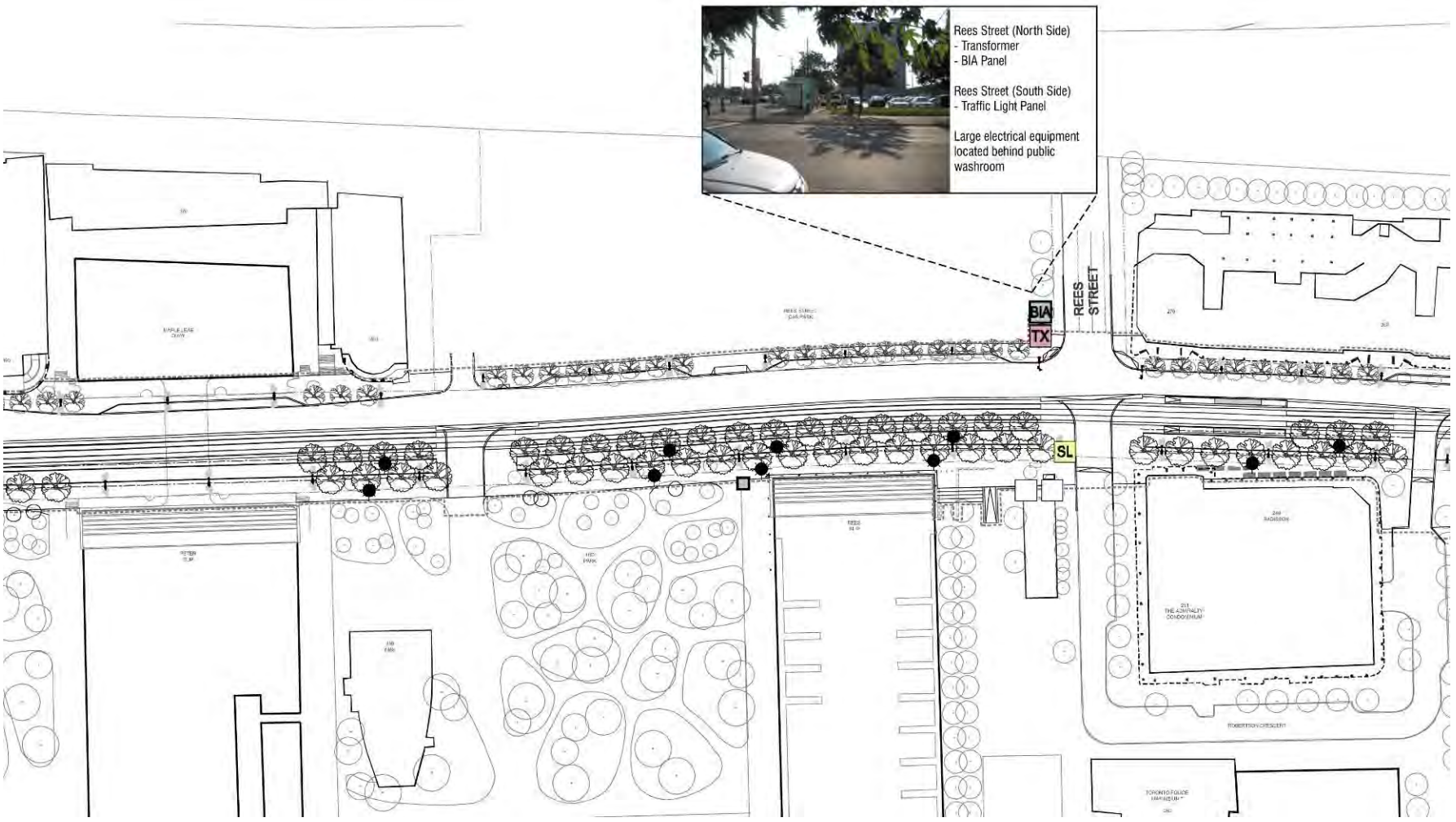
Surface Electrical Equipment



Rees Street (North Side)
- Transformer
- BIA Panel

Rees Street (South Side)
- Traffic Light Panel

Large electrical equipment
located behind public
washroom



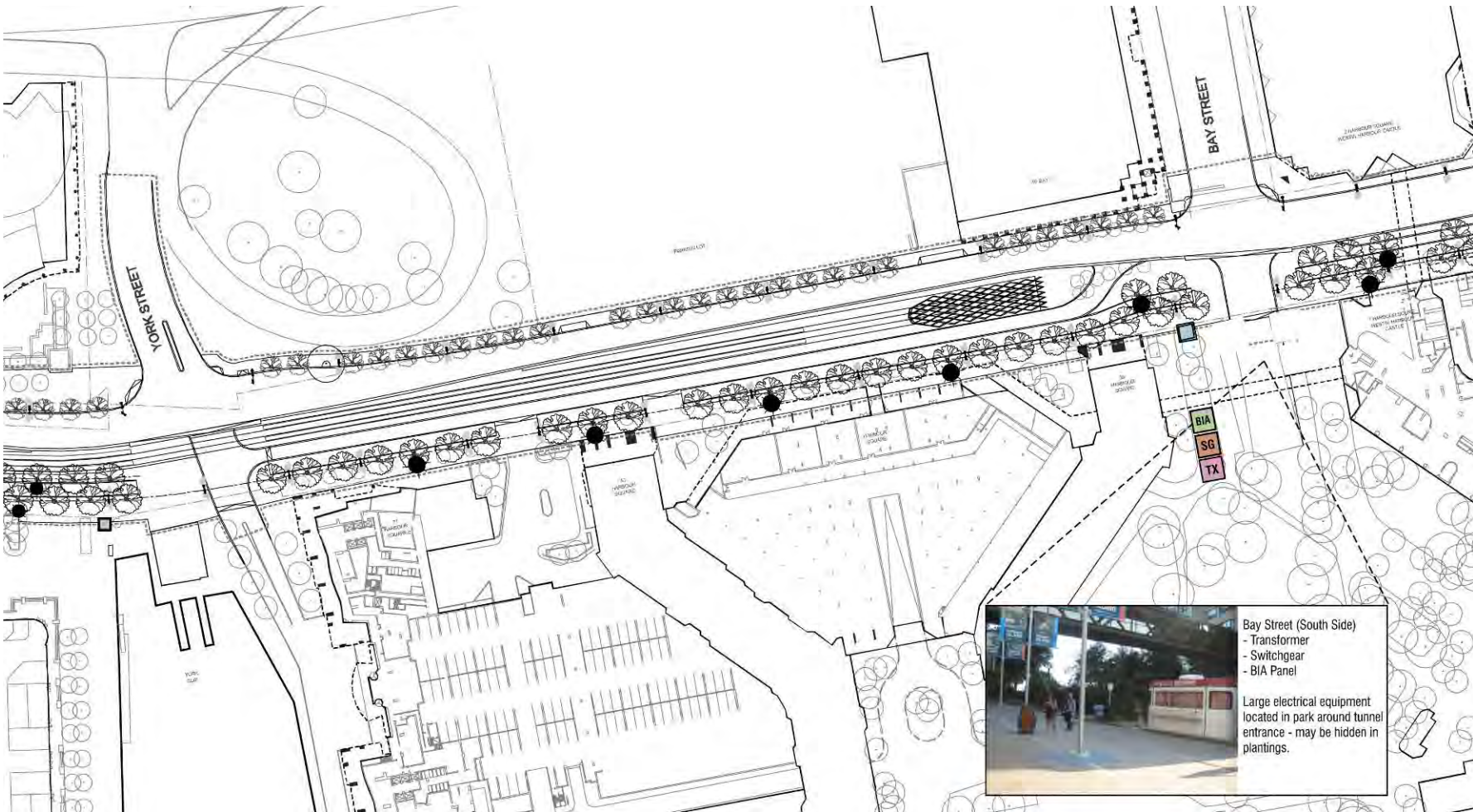
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Surface Electrical Equipment



ELECTRICAL PLAN

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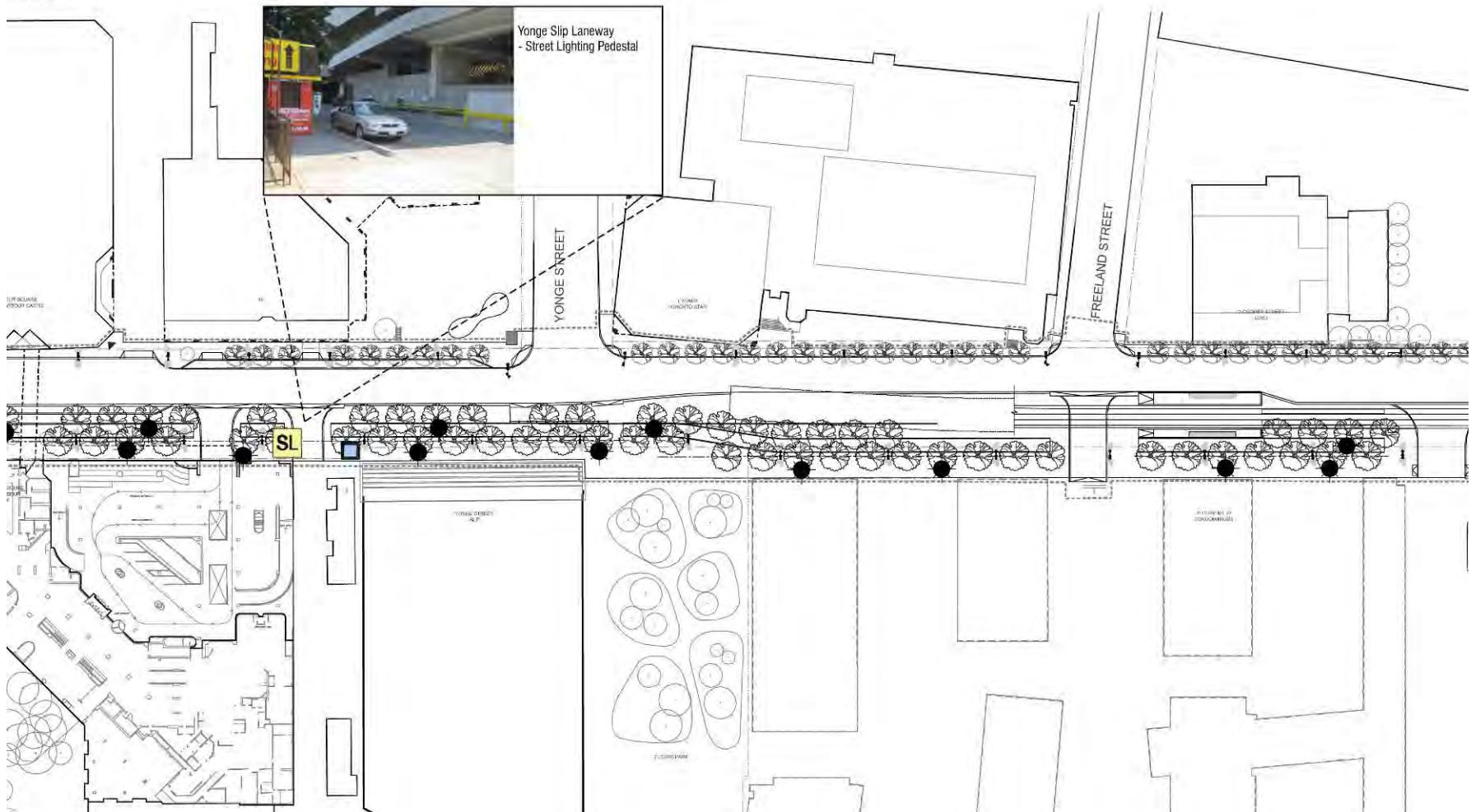


- Bay Street (South Side)
- Transformer
 - Switchgear
 - BIA Panel

Large electrical equipment located in park around tunnel entrance - may be hidden in plantings.

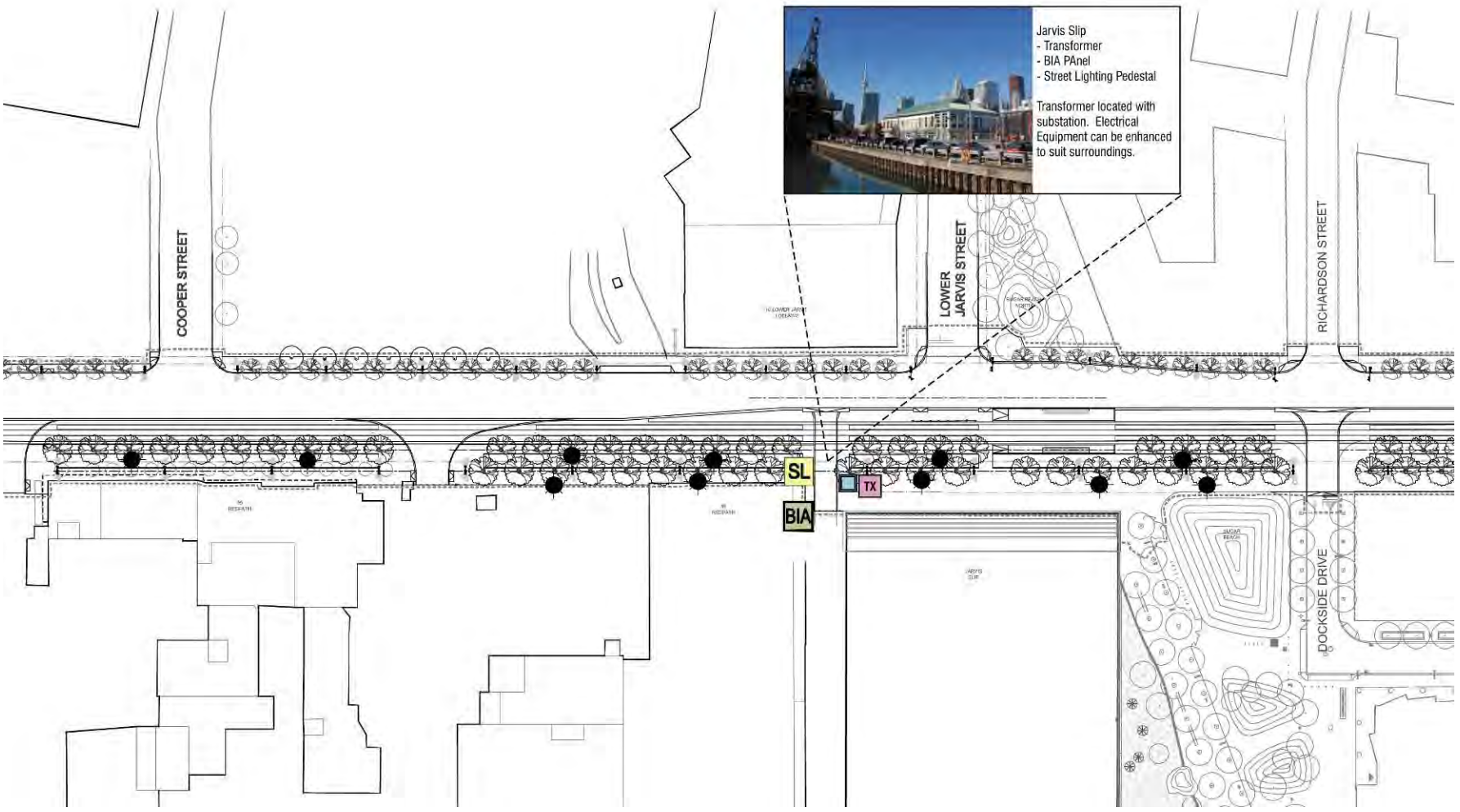
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Surface Electrical Equipment



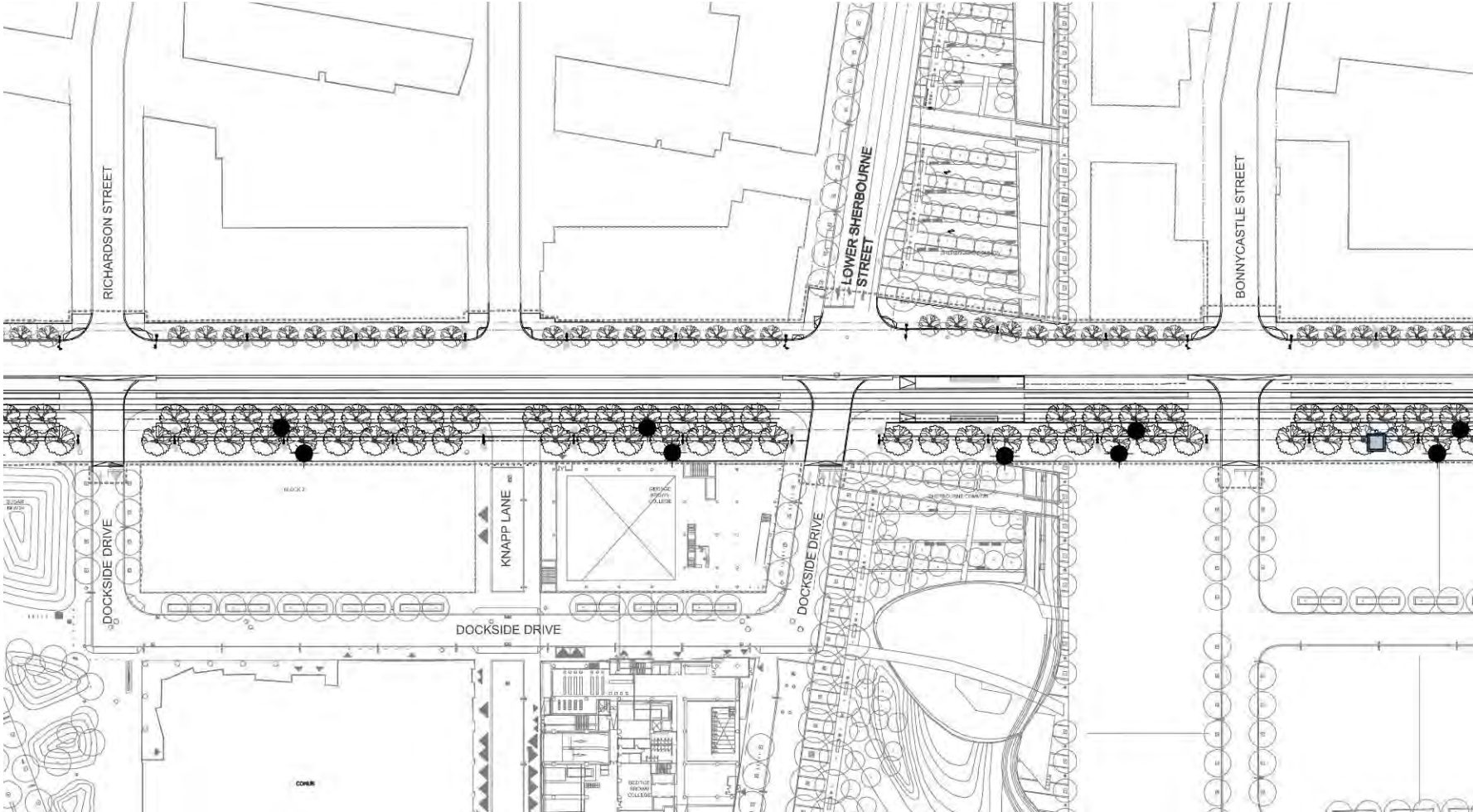
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Surface Electrical Equipment



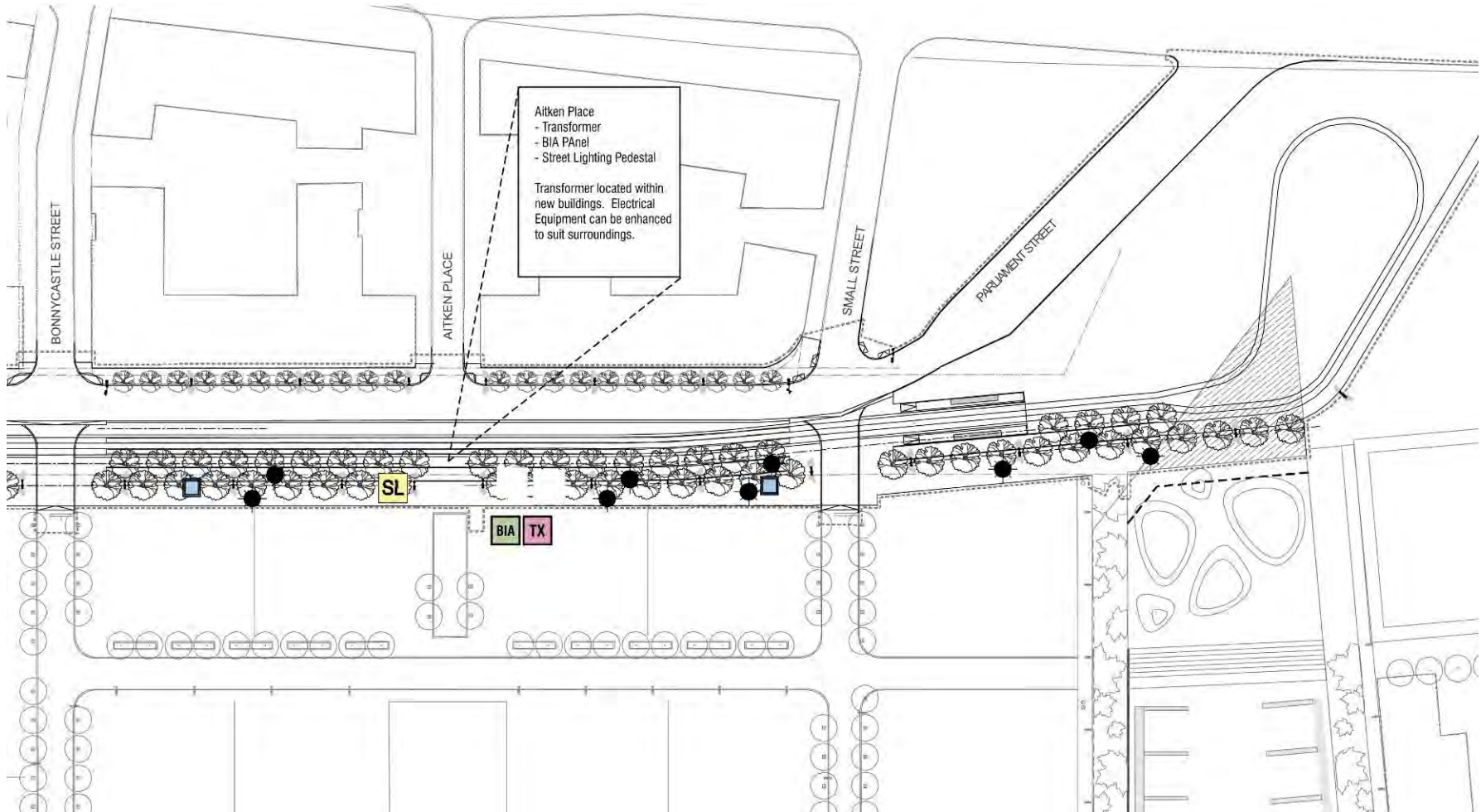
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Surface Electrical Equipment



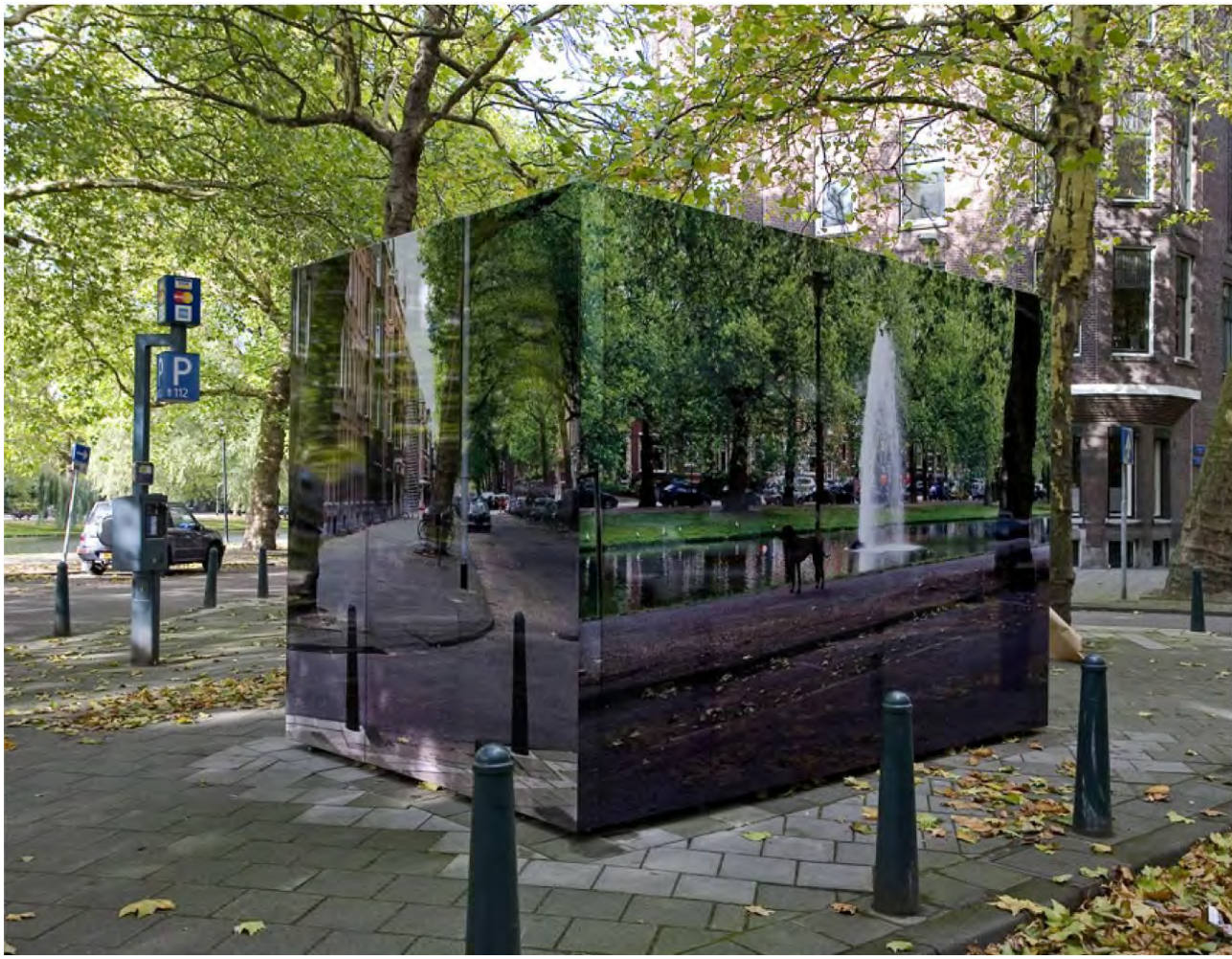
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Surface Electrical Equipment



ELECTRICAL PLAN

Surface Electrical Equipment



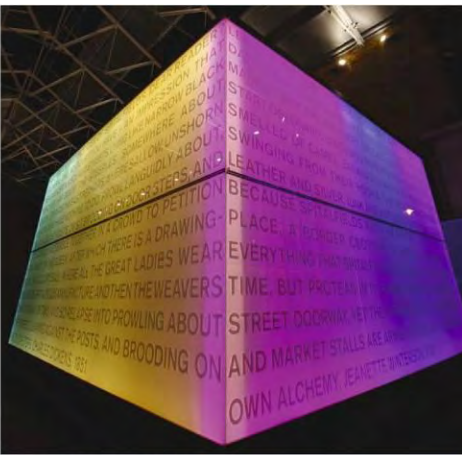
TRANSFORMATION HOUSE Rotterdam

Artist: Roeland Otten
Photos credit <http://www.roelandotten.com/>

An existing transformer building becomes an engaging urban installation by being wrapped in a shell of mirrored glass. The four faces reflect the surrounding urban context and absorb the presence of the concrete box hidden behind them.

ELECTRICAL PLAN

Surface Electrical Equipment



HISTORY BOX, SPITALSFIELD MARKET
London

Jestico + Whiles Architects

As part of the renovation of the historic Spitalfield Market, a substation is clad in glass panels engraved etched with selected text back-lit by LED lights.

ELECTRICAL PLAN

Surface Electrical Equipment



STAINLESS STEEL

An option for electrical elements within the ROW is to leave them unfinished. Stainless steel has a clean appearance without drawing attention to itself.

2 Months Outlook

- Complete 100% Schematic Design
- Start Detailed Design
- Wayfinding / signage
- Heritage and art strategy
- Accessibility review
- Bus management
- Electrification Plan for Queens Quay
- Street and tree lighting strategy
- Extent of construction for the first phase

Working Schedule

WORKING GROUP MEETING		SAMPLE AGENDA ITEMS
1	July 20, 2010	<ul style="list-style-type: none"> Queens Quay Working Group Terms of Reference, membership and work plan Overview of public engagement process Overview and design update
2	August 24, 2010	<ul style="list-style-type: none"> Walking tour
3	September 21, 2010	<ul style="list-style-type: none"> Intersection design Streetscape design (Central Waterfront) Overview of bus inventory analysis
4	October 19, 2010	<ul style="list-style-type: none"> Streetscape design (East Bayfront) Report back on issues/comments
5	November 4, 2010	<ul style="list-style-type: none"> Report back on issues/comments
6	November 16, 2010	<ul style="list-style-type: none"> Introduction to wayfinding and signage Trees and planting Street furnishings Report back on issues/comments
7	December 14, 2010	<ul style="list-style-type: none"> Electrification strategy Report back on issues/comments
8	February 15, 2011	<ul style="list-style-type: none"> Curb management strategy Bus management report back
9	March 15, 2011	<ul style="list-style-type: none"> Review construction survey Wayfinding and signage detailed design strategy
10	April 18, 2011	<ul style="list-style-type: none"> Heritage and art strategy Construction management Introduction to accessibility

Next Steps

- Drop-in session scheduled for January 19, 2011

<http://www.waterfrontoronto.ca/qqconsultation>