



CONSTRUCTION MANAGEMENT PLAN

April 8, 2024

**Binu Korah
Director, Development Engineering**

1

CONSTRUCTION MANAGEMENT PLAN

Construction Management Plan consists of:

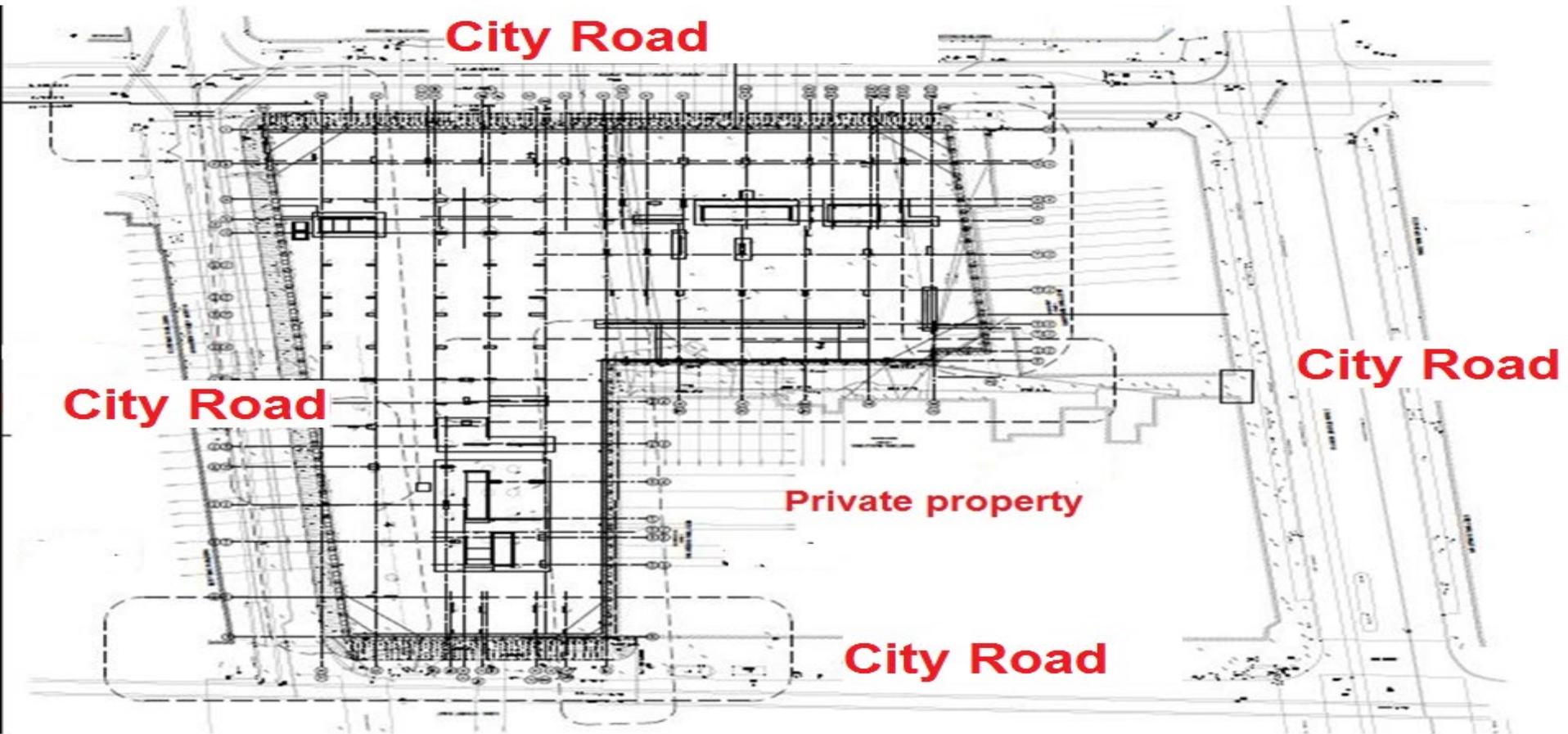
- **Construction Details**
- **Traffic Management Plan**
- **Public Communication Plan**

CONSTRUCTION MANAGEMENT PLAN

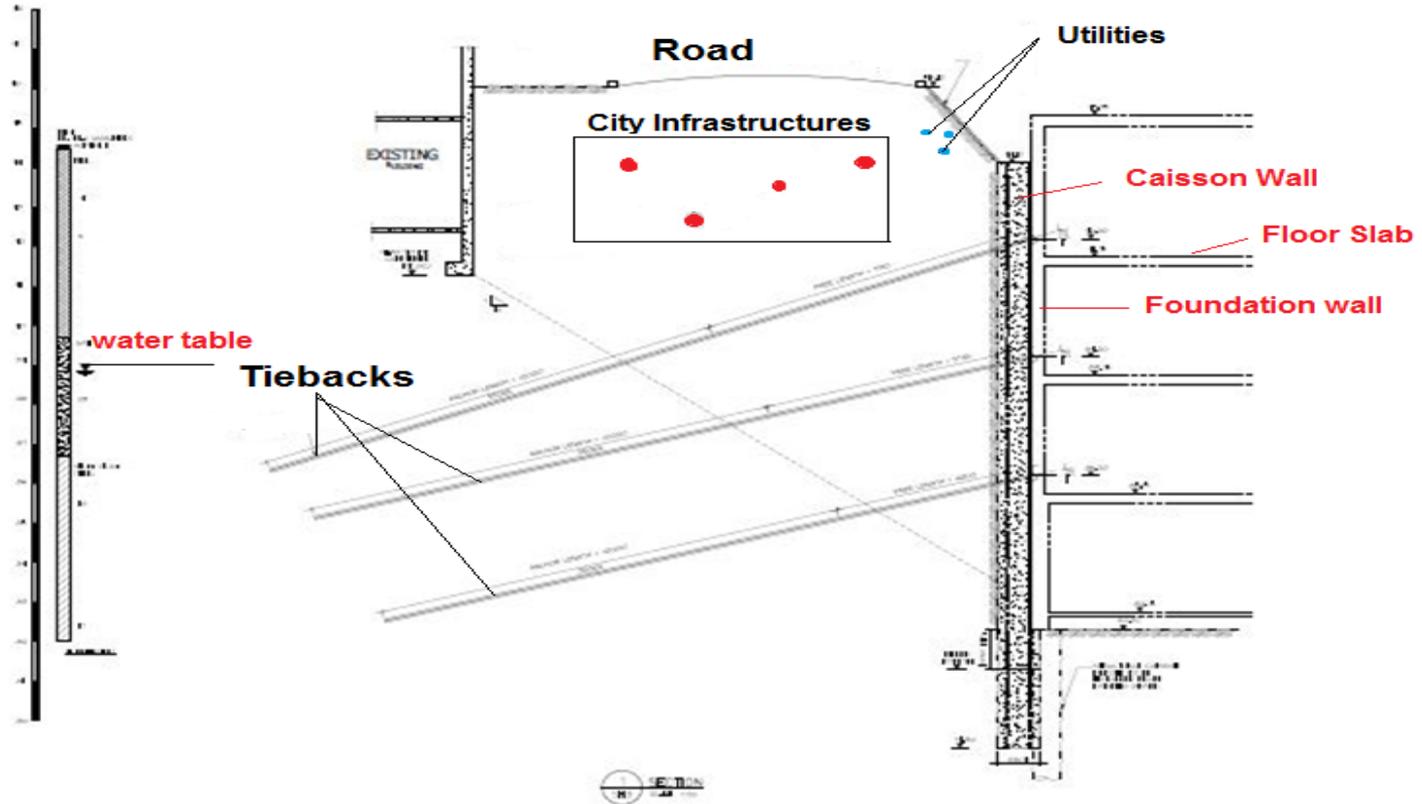
CONSTRUCTION DETAILS:

- **Surface Encroachments**
 - a) **City ROW**
 - b) **Private properties**
 - c) **Storage and Loading Areas**
- **Shoring, Tiebacks and Pile Construction (e.g. caisson piling)**
 - a) **Condition survey – Pre and post surveys -
Underground infrastructures, surrounding buildings**
 - b) **Noise and Vibration**
- **Hoarding, Walkthrough Scaffolding (sidewalk protection) and Safety Fencing**
- **Aerial/Crane Encroachments**
- **Dust Control Plan**
- **Street Trees**

SURFACE ENCROACHMENT



Caisson Piles & Tie Backs



Tiebacks to City Roads/Neighbouring Properties



Source: photo taken from Google

SHORING AND TIEBACKS



Source: photo taken from Google

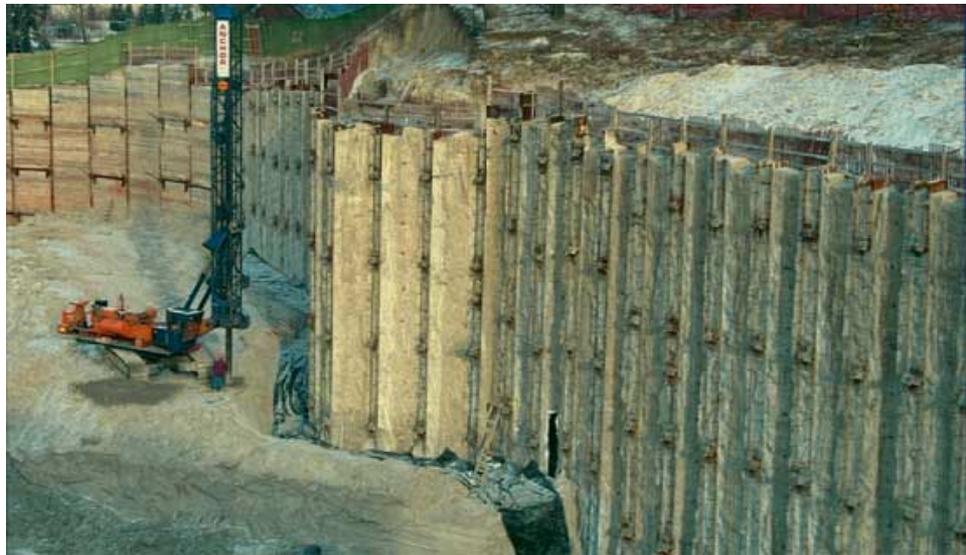
STORAGE AND LOADING AREA



Source: photo taken from Google

8

Tiebacks - City Roads/Neighbouring Properties



SHORING AND CAISSON PILING Issues

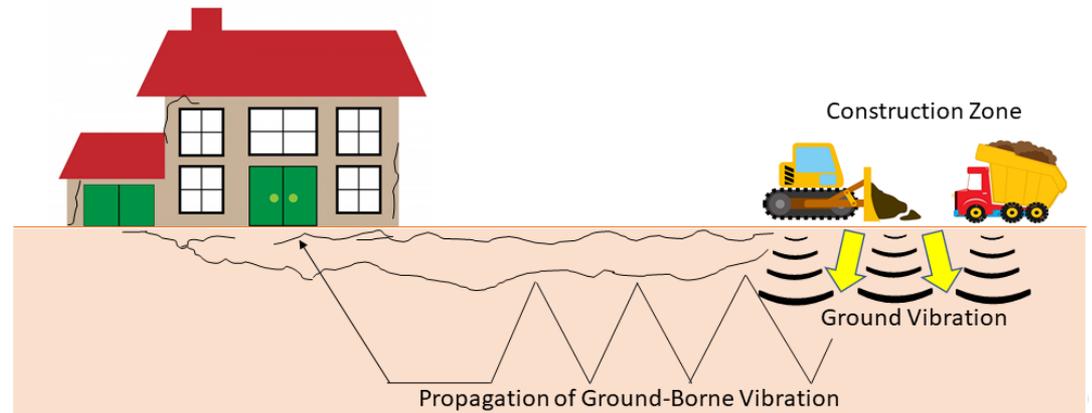
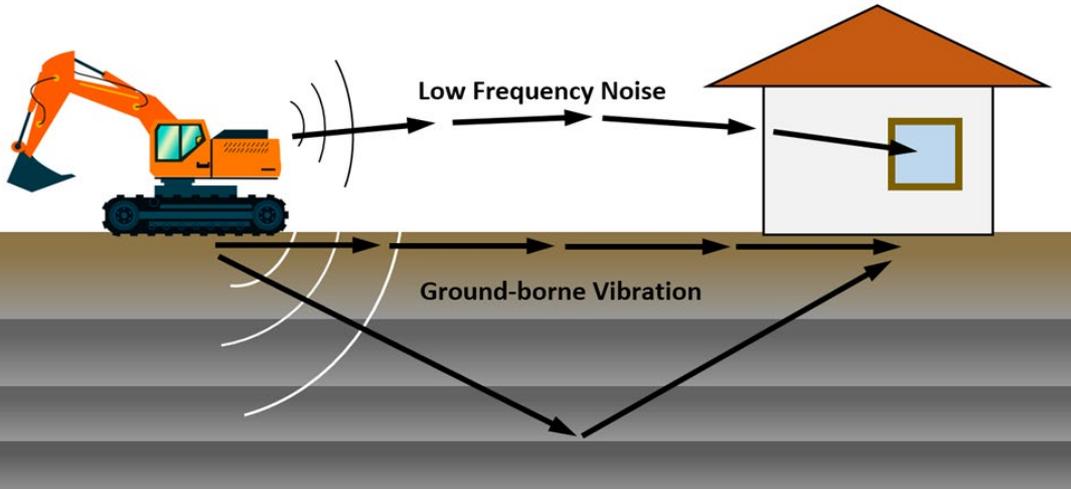
- Vibration and Noise Issues
- Pre and Post Condition Survey
 - existing buildings
 - existing infrastructure (water, storm, sanitary and other utilities)
- Dewatering



Source: photo taken from Google

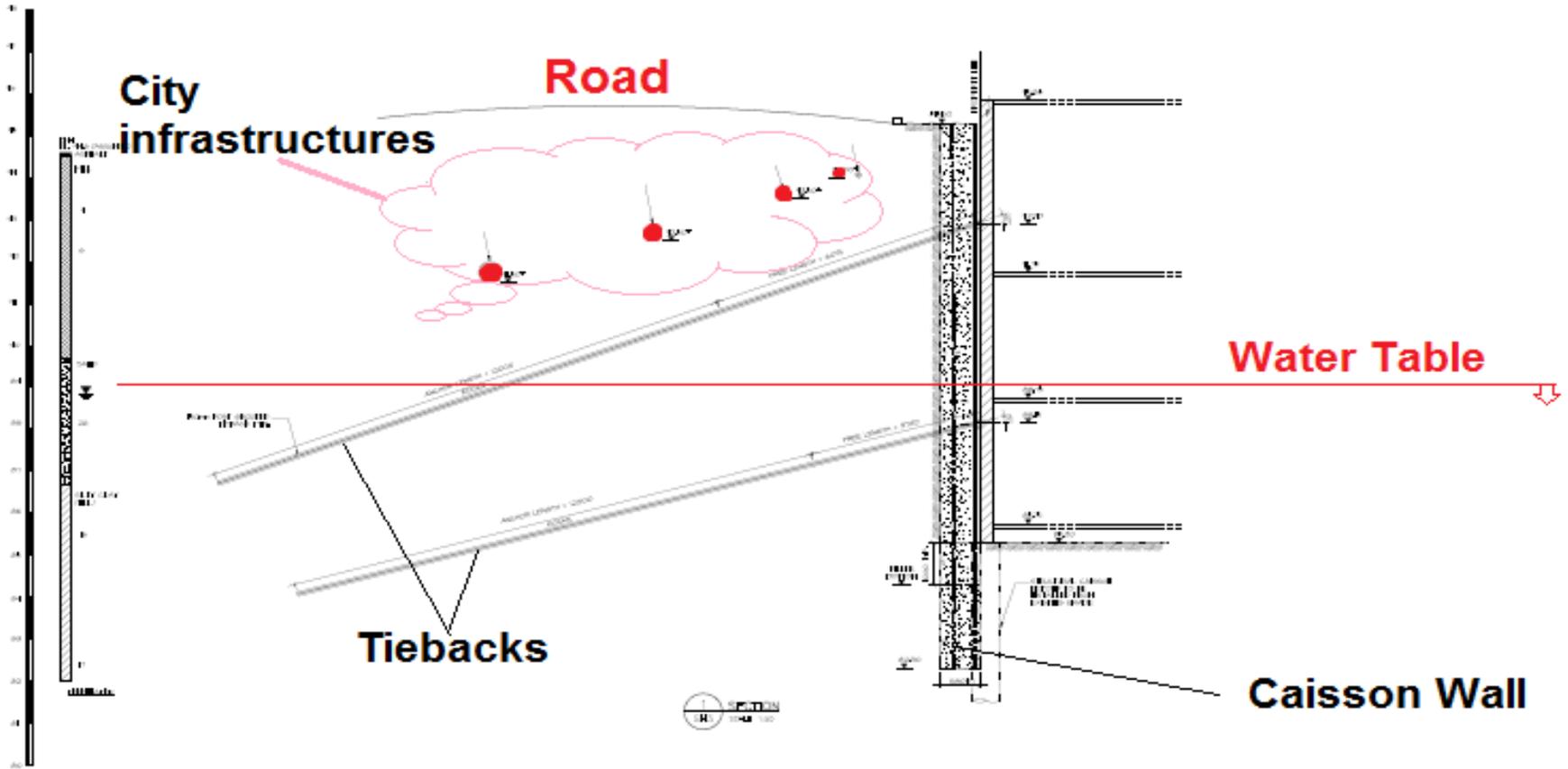


NOISE AND VIBRATION



Source: photo taken from Google

Dewatering Issues:- Hydrogeological Study



CONSTRUCTION MANAGEMENT PLAN

DEWATERING REQUIREMENTS



Source: photo taken from Google

12

CONSTRUCTION MANAGEMENT PLAN

AERIAL/CRANE ENCROACHMENTS



Source: photo taken from Google

13

CONSTRUCTION MANAGEMENT PLAN

Crane Encroachment – Flying Objects



Source: photo taken from Google

CONSTRUCTION MANAGEMENT PLAN

DUST CONTROL PLAN

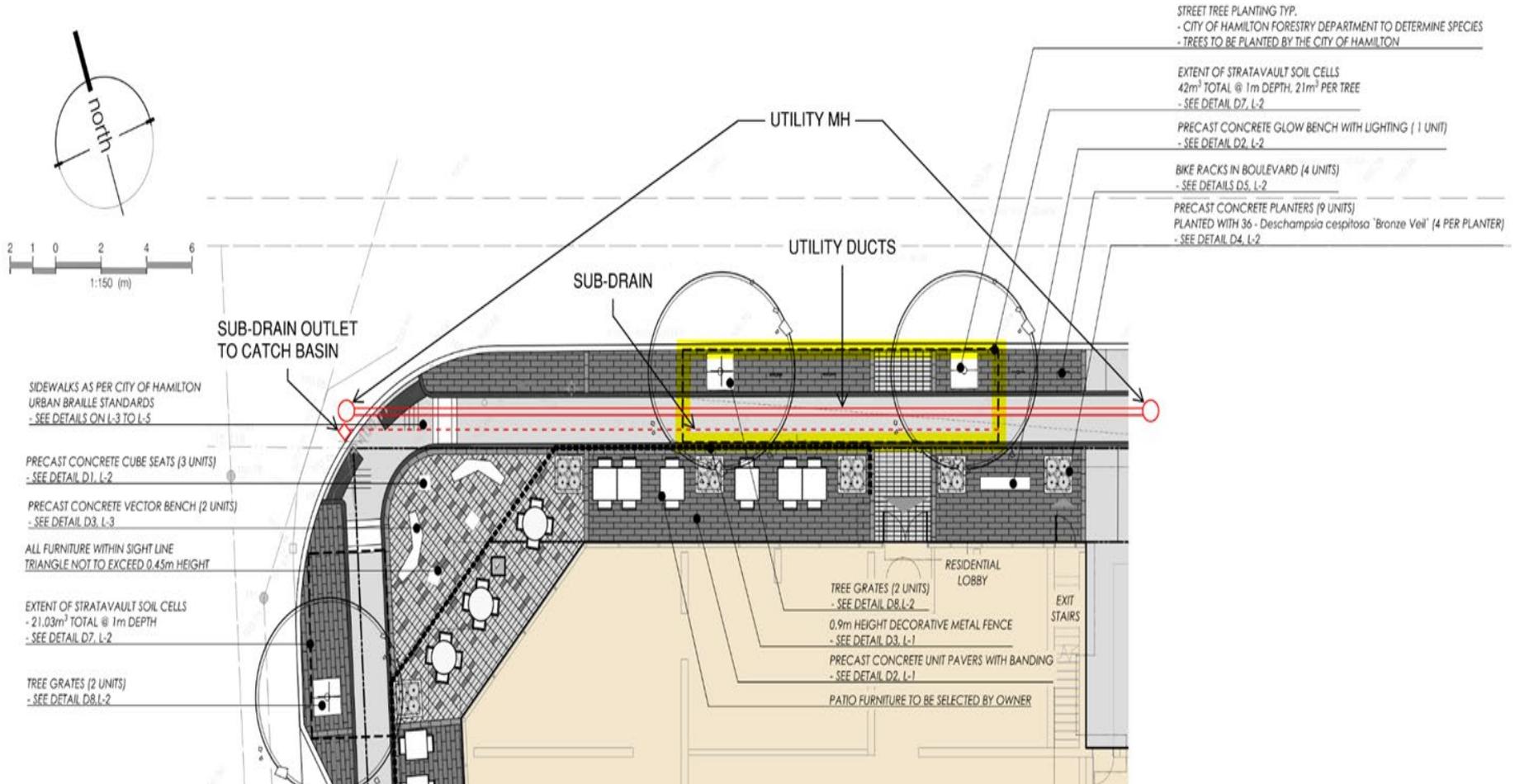
- Access Road/Ramp, Mud Mats, Street sweeping



Source: photo taken from Google

15

Soil cells - Tree Planting





Source: photo taken from Google



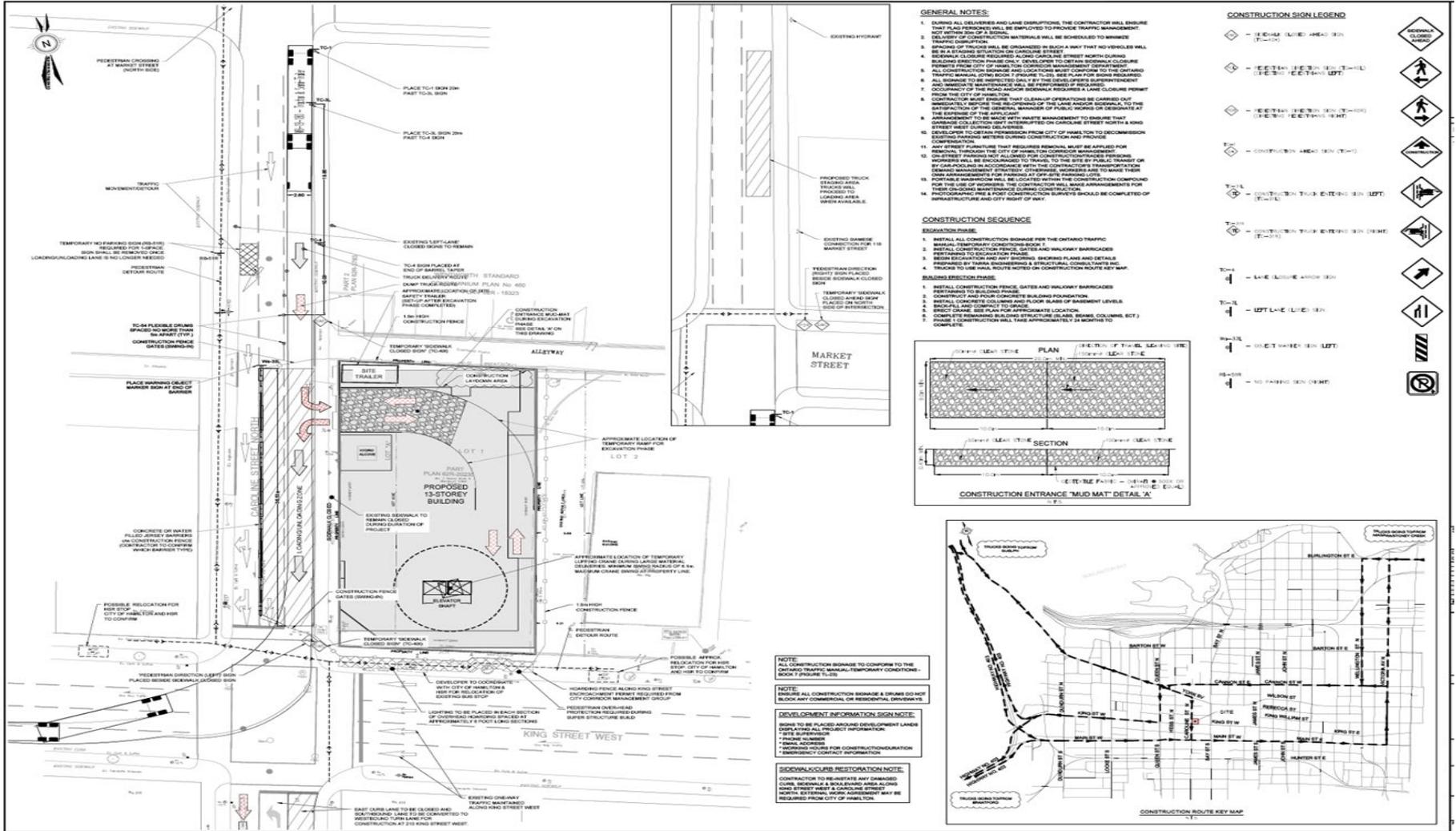
Source: photo taken from Google



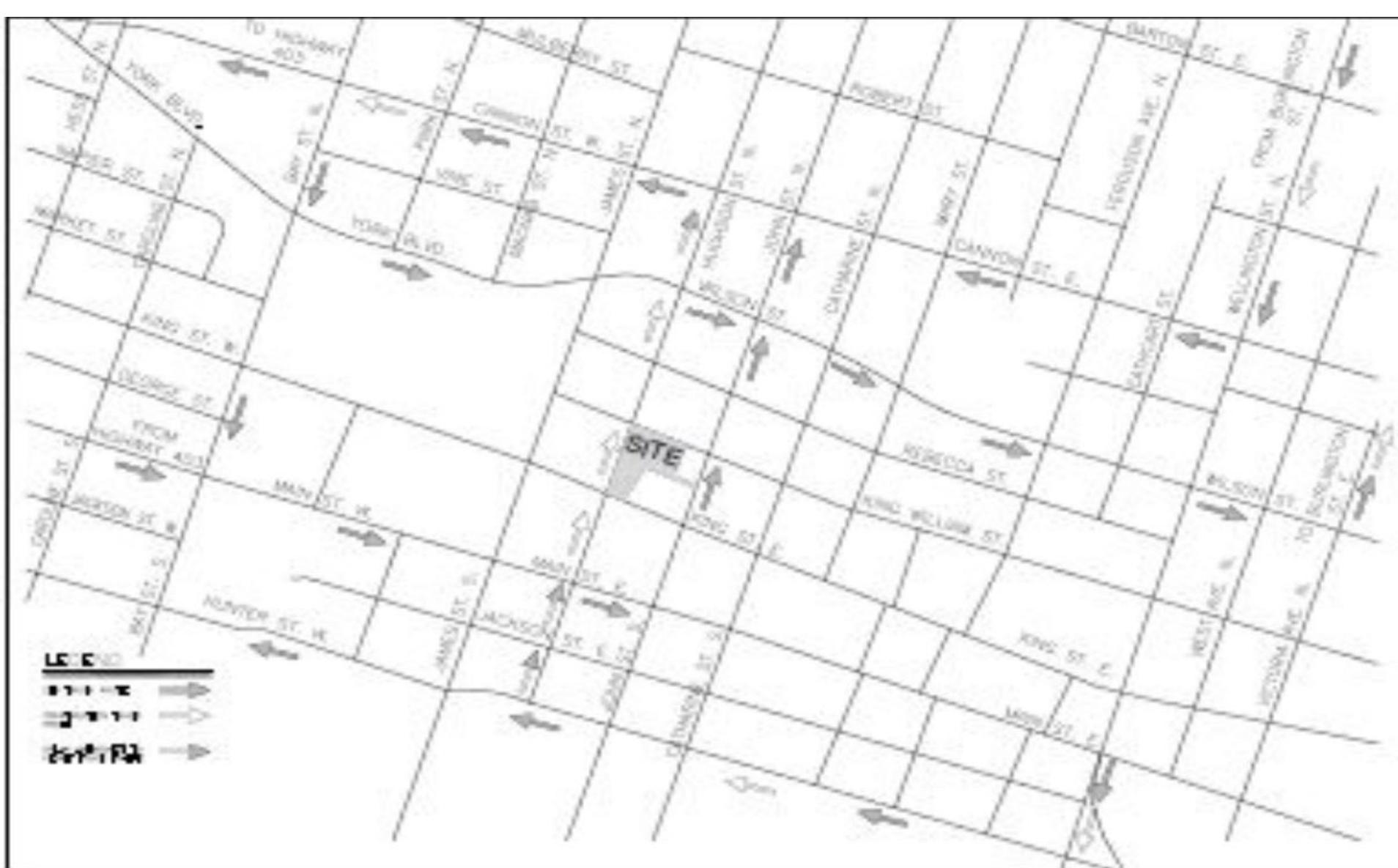
TRAFFIC MANAGEMENT PLAN

- How to access the site (ex. number of access etc.)
- Detour Plans (vehicular and pedestrian traffic)
- Parking Management Plan for staff/workers
- Signage and Safety Measures
- Lane closures, sidewalk closures, etc.
- Duration of Construction

TRAFFIC MANAGEMENT PLAN



TRAFFIC MANAGEMENT PLAN –Detour Plans



HOARDING – CONSTRUCTION SITES

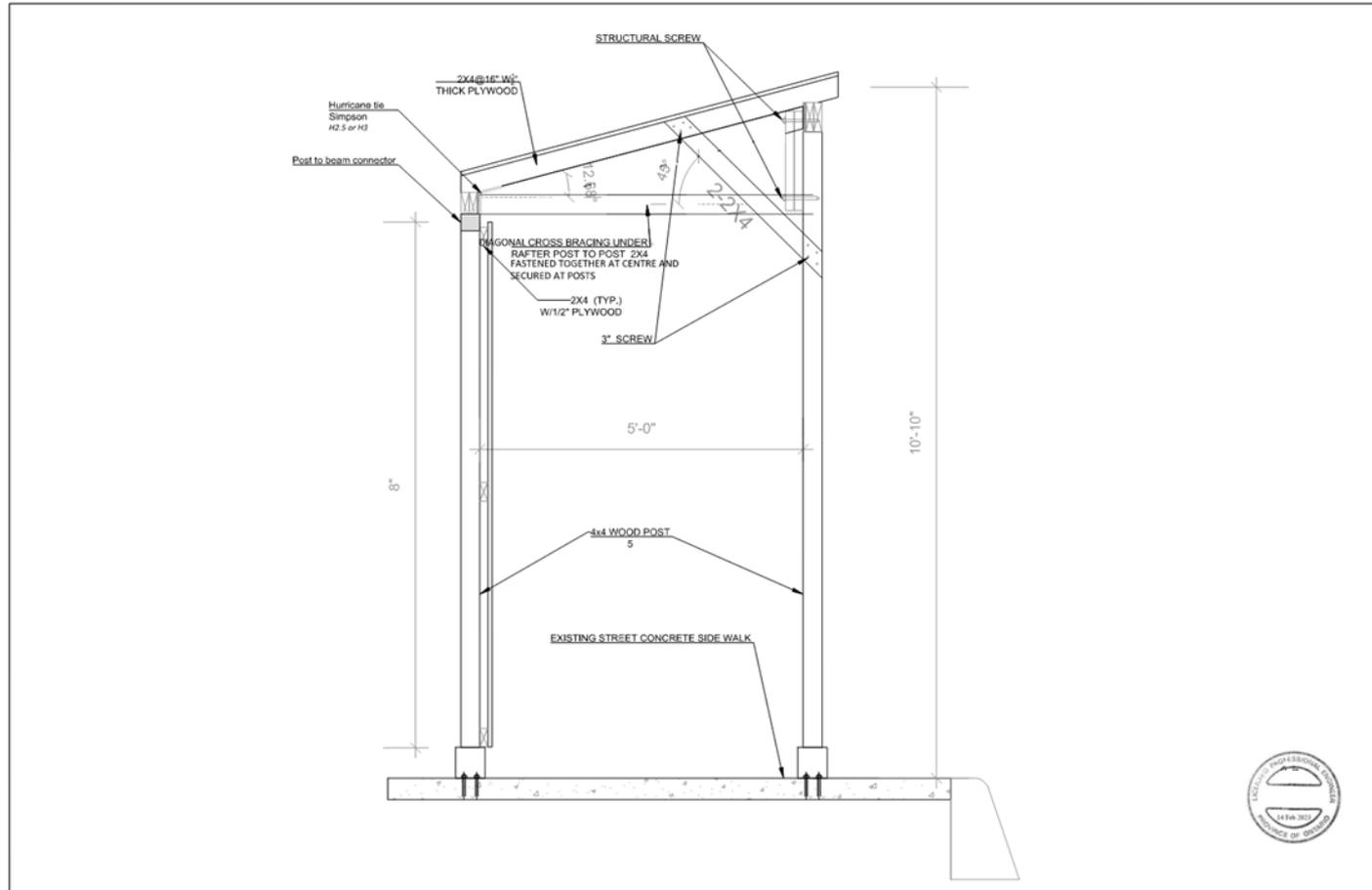


Source: photo taken from Google

HOARDING – CONSTRUCTION SITES

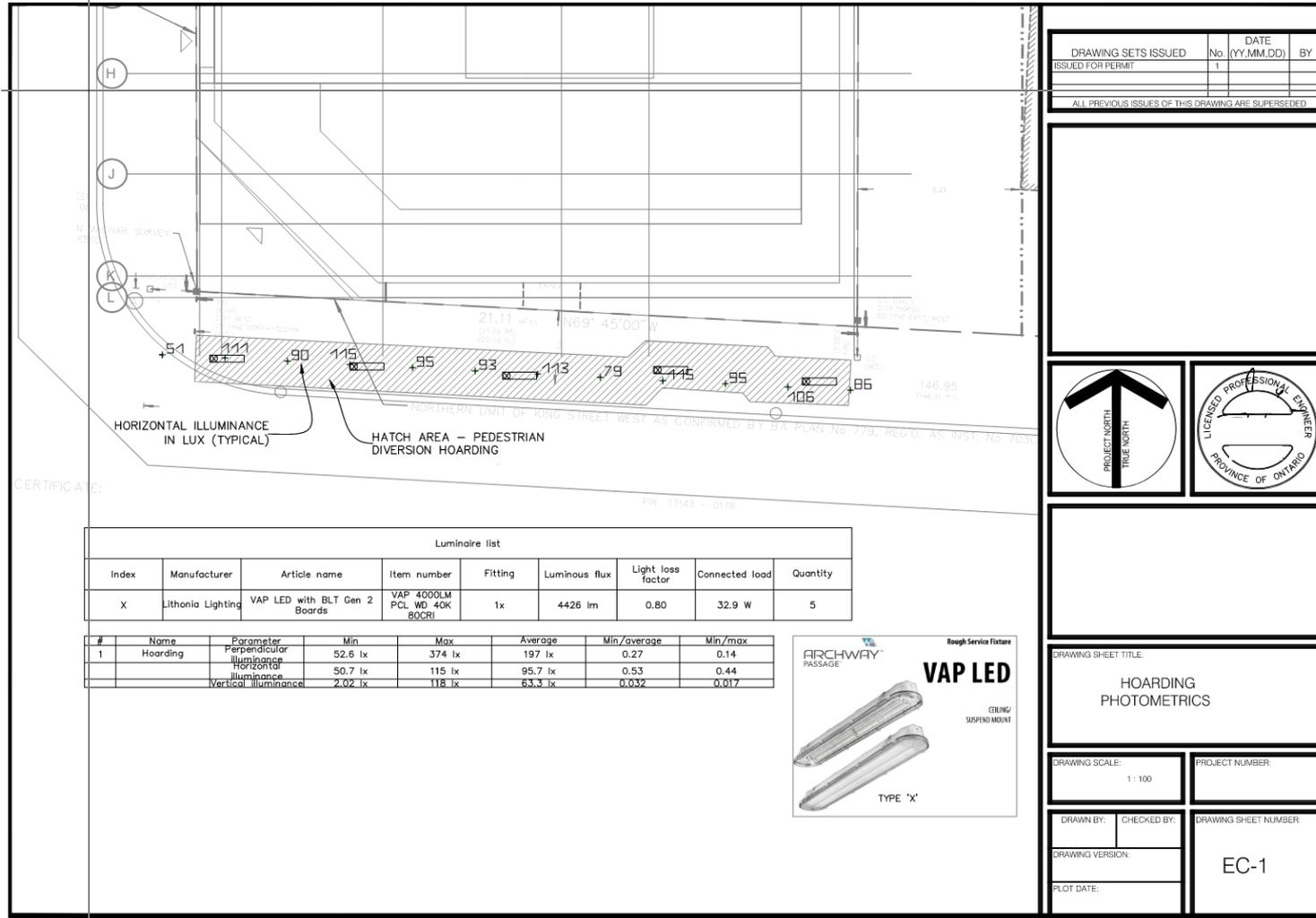
- ✘ Any construction directly adjacent to municipal property or municipal property that can be accessed by the public (excluding single-family dwellings) shall be protected with covered scaffolding and shall have adequately illuminated scaffolding and be sealed by a Professional Engineer for structural stability and lighting adequacy.
- ✘ The Developer's consultant is to have their inspector on-site to prepare a monthly inspection report of the walkthrough scaffolding and lighting located within the municipal right-of-way for submission to the City's Construction Section to confirm that the conditions on-site are in accordance with the approved design.

HOARDING –Scaffolding (sidewalk protection)



	Design:	ADDRESS:	Project No:
	Drawn:		
	Checked:	PROJECT:	Drawing No:
	Approved:	COVERED HOARDING	S-1
	Date:		
	Scale:	1"= 1/ 2"	

Walkthrough Scaffolding (sidewalk protection) – Lighting Design



DRAWING SETS ISSUED ISSUED FOR PERMIT	No. 1	DATE (YY.MM.DD)	BY
ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED			
DRAWING SHEET TITLE: HOARDING PHOTOMETRICS			
DRAWING SCALE: 1:100		PROJECT NUMBER	
DRAWN BY:	CHECKED BY:	DRAWING SHEET NUMBER: EC-1	
DRAWING VERSION:			
PLOT DATE:			

HOARDING – Walkthrough Scaffolding (sidewalk protection)

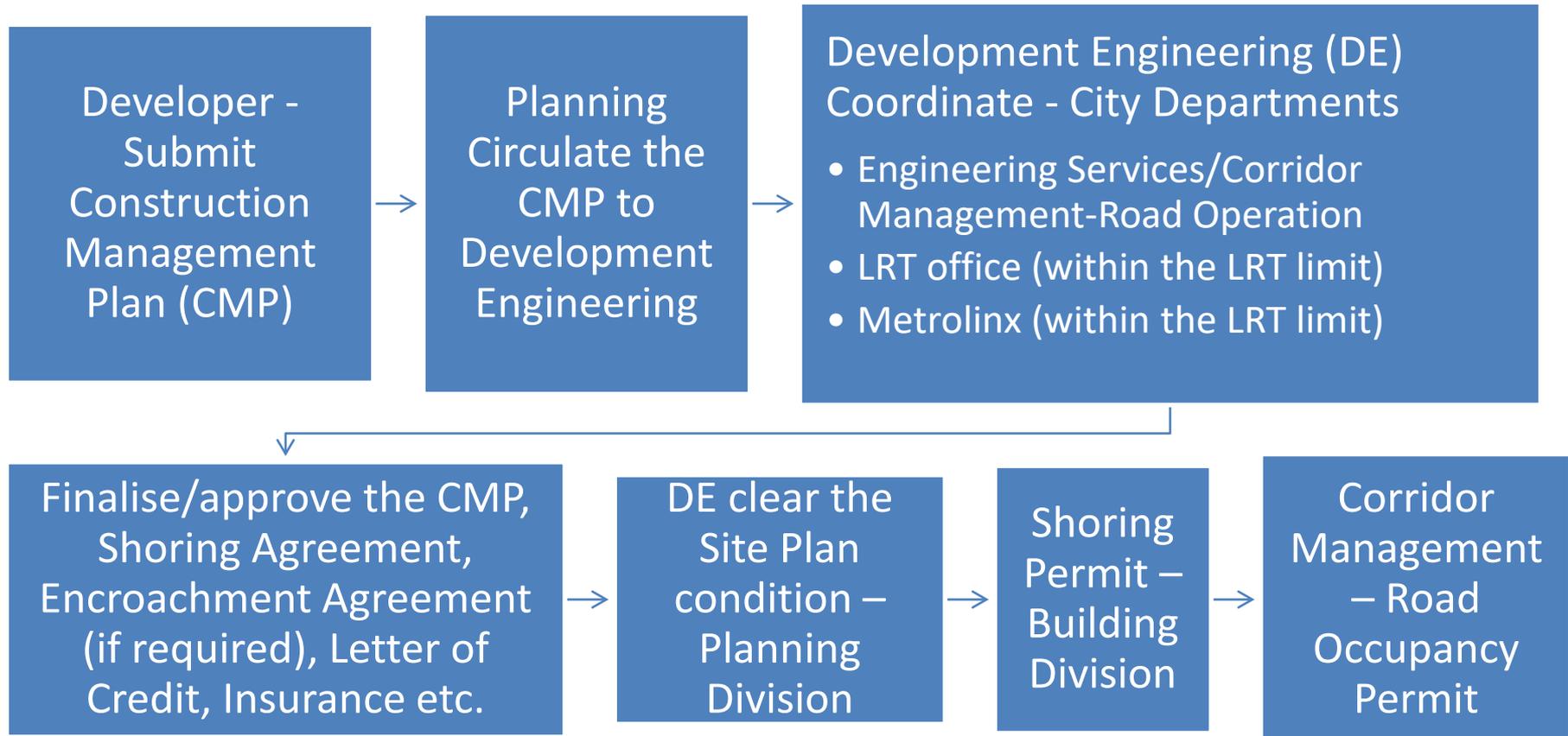


Source: photo taken from Google

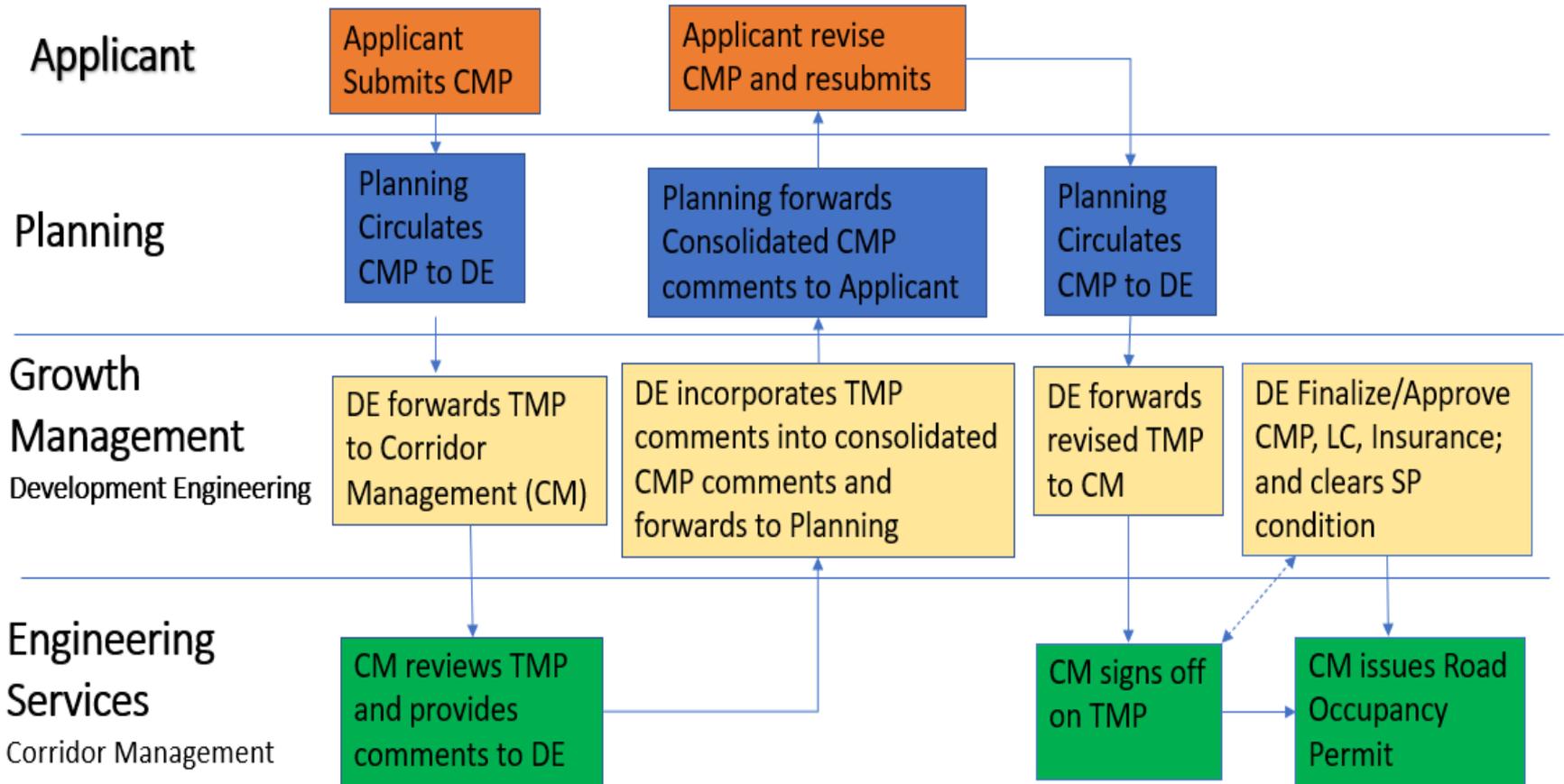
PUBLIC COMMUNICATION PLAN

- **Inform the Ward Councillor**
- **Business Community and surrounding residence**
- **Emergency response unit/agencies – Fire, Police, Ambulance**
- **Builders website – Construction updates and contact information**
- **Transit**
- **Working hours**
- **Construction Schedule**
- **Preconstruction Meeting and Approvals**

Construction Management Plan Approval Process



Traffic Management Plan Approval Process



Construction Management Plan Implementation

Pre-Construction Meeting

- Review approved drawings
- Insurance
- Letter of Credit
- Communication Plan
- Shoring Agreement requirements

Implementation

- Implement the Traffic Management Plan
- Erosion and sedimentation measures
- site security fencing/hoarding, covered walkways, signs etc.

Maintenance

- Contractor is required to ensure all plan requirements have been implemented and regularly maintained.
- Submit Monthly Inspection Report
- City - Site Inspection as required
- Letter of Credit Reduction Process

30

Construction Management Plan Communication and Enforcement

Concerns/Complaints
Directed to CCGM

- CCGM (Council Contact Growth Management receives and triages nature of complaint from Public or Councilor and communicates with Counterpart in appropriate Division)
ccgm@hamilton.ca;
gmconstruction@hamilton.ca;

Customer Contact in Growth Management will liaise with appropriate Division; Public Work, Municipal Law Enforcement or Building Division or Enforcement Officer

- Staff or Enforcement Officers will investigate and liaise with contractor or developer to discuss concerns and work toward a solution OR enforcement, if required.

Growth Management or Public Works or MLE staff – Inform all Parties and Close the Complaint

- Customer Contact Representatives will report back to Councilor's Office or complainant detailing outcome

THANK YOU FOR ATTENDING
THE OPEN FOR BUSINESS SUB-COMMITTEE

Questions or Comments?