CONSTRUCTION and MOBILITY MANAGEMENT GUIDELINES

for

Residential Development

1074 Cooke Boulevard
Burlington, Ontario

Prepared for:

CAMARRO GROUP

Prepared by:

LANHACK CONSULTANTS INC.
1709 Upper James Street
Hamilton, ON L9B 1K7

Project No. 23002

September 07, 2022

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1.0 Purpose

The following plan shall act as the program for the planning, organization, and construction activity for proposed 30 & 32 storey residential building tower connected via a shared podium with a height of 6 storeys. The site is located at southwest corner of Masonry Court and Cooke Boulevard. Both Masonry Court and Cooke Boulevard are classified as local roads as per the City of Burlington Official Plan Schedule J Classification of Transportation Facilities. There are Employment Uses to the east, west, and south of the property. There is also Residential Uses to the west and north of the subject property. The Residential development to north of the subject lands is under construction.

The development will be constructed in four (4) stages as noted below.

Stage-1 Demolition and Removal of Existing Building for Site Development. Refer to Appendix A drawing CM1-1
Stage-2 South Part – Excavation, Construction of South U/G Parking Structure, and Construction of South Building Tower. Refer to Appendix A drawing CM1-2
Stage-3 North Part – Excavation for North U/G Parking Structure. Refer to Appendix A drawing CM1-3
Stage-4 North Part – Construction of North U/G Parking Structure and Construction of North Building Tower. Refer to Appendix A drawing CM1-4

Based on the pre-mentioned, we will mitigate unnecessary risk and interference to the public. The Construction and Traffic Management Guidelines will address the following items:

- Traffic and pedestrian control measures,
- Hours of Operation
- Noise Control
- Haulage route of construction vehicles
- Air and Dust Management
- Stormwater and Sediment Control
- Tower Cranes
- Trade parking
- Waste Management
- Staging of construction vehicles
- Vehicle wash-down
- Site setup, including sanitary facilities, site offices, material storage, and staging
- Emergency contact information
- Public Communication
- Servicing

Please note: Hydrogeological Investigation (if required), Settlement due to dewatering, Dust Mitigation, Shoring, including vibration analysis and post-condition inspections will be prepared and addressed by others and submitted under a separate cover.

At all times, these construction management guidelines will recognize the immediate and overall surroundings and shall be sensitive to the neighbourhood to minimize any impact to local businesses and

residents. As such, this plan shall utilize Truck Routes for construction vehicle routing. An on-location review and meeting of this plan with the relevant City personnel will be held to make necessary revisions, if any, and finalize this plan. The City Engineer may revise this plan during construction as required.

2.0 Prior to Commencement of Construction

Prior to the start of construction, including site works, the contractor is to provide photographs of all City of Burlington infrastructure along the perimeter of the development including boulevards, roadways, streetlights, etc. Once the project has been completed, all City infrastructure is to be returned to its original condition by the City of Burlington at the expense of the applicant (unless an agreement is in place with the Development Planning/Construction).

The contractor also must implement the Construction and Mobility Management Plan (CMMP) and the Grading, Erosion & Sediment Control Plan prepared by Odan/Detech Group Inc. The site contractor must also remove all temporary protection measures at the end of construction mentioned in the CMMP and the Erosion & Sediment Control Plans.

3.0 Shoring and Encroachments

The CMMP shall be reviewed in conjunction with the shoring plans and subject to the Shoring Agreement and the Encroachment Agreement(s) (both above and below ground), as between the City of Burlington and the proponent. Refer to Shoring Plans prepared by others under a separate cover.

4.0 Vehicle and Pedestrian Movements

Vehicles movement on Masonry Court and Cooke Boulevard will slightly be interfered by construction activity. Two-way traffic will be maintained on Masonry Court and Cooke Boulevard throughout the construction period. No road closure activities are anticipated except for servicing installation. See Appendix A drawings CM1-1, CM1-2, CM1-3, and CM1-4 for vehicular movement during the construction.

Proposed site does not adjoin any City sidewalks parallel to the property line. Easternly sidewalk on Cooke Boulevard and northerly sidewalk on Masonry Court will continue to operate. No sidewalk closure anticipated due to construction activity. Hence, safe pedestrian movement adjacent to construction site will be maintained throughout the construction period.

Masonry Boulevard has a Shared Use Bike Lane as per the City of Burlington Cycling Network Map. Cooke Boulevard is not identified for cycling route as per the City of Burlington Cycling Network Map.

5.0 Traffic and Pedestrian Control

Recognizing the importance of vehicle and pedestrian traffic to the direct success and vitality of neighbourhood businesses and the vehicular and pedestrian routing, Appendix A drawings CM1-1, CM1-2, CM1-3, and CM1-4 prepared by Lanhack, denotes pedestrian and vehicular traffic movement during the approximate 36 months of construction.

Traffic Control: Motorist will be provided with adequate signage to ensure advance notice and will caution the operator of the upcoming development project and the associated construction works. Two-way traffic will be maintained on Masonry Court and Cooke Boulevard throughout the construction period. During Stage #4 construction, lane widths will be a minimum 3.0m in both directions. Vehicular traffic

flow will be maintained by proposing temporary line painting on Cooke Boulevard as shown in Appendix A drawing CM1-4. In addition, temporary Jersey Barriers and traffic cones will be proposed to guide the vehicular traffic safely through the construction zone on Cooke Boulevard. If temporary lane closures are required for servicing, two (2) qualified traffic control persons (with Book 7 training) will be on site. See servicing drawings prepared by Odan/Detech Group Inc for location of proposed services.

Pedestrian Control: Maintaining the pedestrian movement along the existing streets is essential in maintaining the current balance in the surrounding neighbourhood. No sidewalk closure anticipated due to construction activity. Qualified traffic control person(s) (OTM Book 7 trained) will control pedestrian and bicycle traffic movement adjacent to the construction site.

Cyclist Control: Qualified traffic control person(s) (OTM Book 7 trained) will ensure the safety all the time during the construction.

6.0 Haulage Routes

For the purposes of this plan, the developer has investigated area suppliers and trade contractors to predict relevant origin and destination points. Origin points include Concrete batching plants, excavation dump sites, aggregate suppliers, reinforcing steel suppliers, and building material suppliers. With the source and destination points established, it can be confirmed that the haulage routes will utilize approved truck routes to mitigate disturbance to area residents and businesses, as well as ensure sufficient road allowances for larger construction vehicles. Haulage routes are identified on Appendix A drawing CM2-1.

As detailed in the summary chart Table 1, much of the construction traffic will occur during the Excavation (Months 2 to 5) with an expected average of 50 vehicles per day. The neighbourhood will continue to see a steady frequency of construction vehicles during the Structural Phase with an expected average of 20 vehicles per day during Months 5 to 25 can be expected. As such, greater emphasis will be placed on traffic management. During these periods two full time competent (possess formal training and Book 7 certification) traffic control persons will be present to safely monitor and guide vehicular and pedestrian activity. A sharp reduction of construction traffic will be seen during the Finishing Phase of the project (Months 12 to 36). Anticipate 10 construction vehicles per day for the Finishing Phase. Traffic control personnel will remain available for the duration of this phase of work.

Nature of Construction Traffic: Table 1

Description	Frequency	Timing	Method of Delivery
Construction Debris Containers	Daily	Months 1 to 36	Tri-Axle Truck
Site Washrooms	3x Weekly	Months 1 to 36	Van – Mounted Pump
Construction Tools and Supplies	Daily	Months 1 to 36	Van
Document Couriers	3x Weekly	Months 1 to 36	Car

Description	Frequency	Timing	Method of Delivery
Mechanical and Electrical Supplies	Weekly	Months 4 to 36	5-ton Truck
Construction Schedule Related Traffic	3x Weekly		
Demolition Phase			
Demolition	Daily	Month 1	Tractor Trailer
Shoring Phase	Daily	Month 2 to 4	
Excavation	50 trips Daily	Months 2 to 5	Tri-Axle Dump Truck
Shoring	Daily	See Shoring Report	--
Structural Phase			
Formwork	2x Weekly	Month 5 to 20	Tractor Trailer
Concrete Supplies	2x Weekly	Month 5 to 20	Flat Bed Truck
Concrete Ready-mix Supply	15 loads daily	Month 5 to 20	Concrete Truck
Rebar and Rebar Accessories Supply	2 x month	Month 5 to 20	Tractor Trailer
Windows	Weekly	Month 13 to 30	Truck
Brick or Siding	2x Weekly	Month 13to 30	Flat Bed Truck
Roofing	Weekly	Month 21 to 25	Flat Bed Truck
Finishing Phase			
Interior Masonry	2x Weekly	Month 12 to 36	Flat Bed Truck
Wall Partitions (drywall)	2x Weekly	Month 13 to 36	Flat Bed Truck
Applied Finishes	2x daily	Month 15 to 36	Truck
Stone Flooring and tops	Weekly	Month 18 to 36	Truck
Misc. Metals	2x Weekly	Month 13 to 36	Truck

7.0 Tower Cranes

The approximate location of tower crane is shown in Appendix A drawings CM1-2 and CM1-4.

8.0 Trade Parking

No parking will occur on the adjacent streets or boulevards by trades/labourers. Arrangements will be made for the trades/labourers to park on site at north side of the property until the southern underground parking garage is operational. Refer to Appendix A drawings CM1-2 for location of temporary trade parking during Stage #2 construction.

Summary of trade personnel as follows:

- **Demolition & Excavation Phase:** 10 Tradespersons
- **Foundation and Framing Phase:** 30 Tradespersons
- **Finishing Phase:** 40 Tradespersons

9.0 Queuing and Staging of Construction Vehicles

One (1) temporary truck staging area is proposed on north end of Cooke Boulevard during Stage #4 construction. No truck staging area is proposed on Masonry Court /Cooke Boulevard during Stage #1, Stage #2, and Stage #3 construction. Spacing of trucks will be organized, dispatched in the staging area in such a way that no vehicles will be in a staging situation on municipal streets. All loading and unloading of material & equipment will occurs within the proposed staging area(s). Staging area(s) as shown in Appendix A drawings CM1-2, CM1-3, and CM1-4.

During the site demolition stage, dump trucks will enter/exit the site using construction Gates #1 and #2 as shown in Appendix A drawing CM1-1. During the construction Stage #2, trailered trucks will enter the site through construction Gate #1 located on Masonry Court and exit the site through construction Gate #2 located on Cooke Boulevard. During the Stage #3 construction, dump trucks will enter/exit the site using construction Gate #1 located on Cooke Boulevard.

During Stage #4 construction, a temporary truck staging area will be proposed on Cooke Boulevard for construction of north underground parking structure and north building tower. Location and dimension of temporary truck staging area is shown in Appendix A drawings CM1-4.

During the entry/exit operation of construction vehicles, qualified traffic control person(s) (OTM Book 7 trained) will control the pedestrian, cyclist, and vehicular traffic on Masonry Court and Cooke Boulevard.

10.0 Vehicle Wash Down

Mud-mat/wash down area will be required at construction Gate #2 located on Cooke Boulevard during Stage #3 construction. Truck wash down will occur prior to the vehicle travelling on public roadways. The wash down area on the mud-mat will be conducted on the development site, not on the road. If for whatever reason the wash down proved to be inadequate, a road washing program will be in place to wash the roadway of any debris. This will be done by both the general contractor and third-party services. As a safeguard, silt sacks will be installed and maintained on all storm catch basins/manholes to prevent any debris from entering the City sanitary or storm sewers. Concrete trucks will be equipped with self-cleaning chutes to negate the need for on-site concrete wash down.

11.0 Site Setup

Sanitary Facilities: Sanitary facilities will be available on north side of the property during all construction stages. Refer to Appendix A drawings CM1-1, CM1-2, CM1-3, and CM1-4 for location of sanitary facilities. Additional units may be required per ministry guidelines.

Site Offices:
There will be a site construction trailer located at northeast corner of property during the construction of all stages. Refer to Appendix A drawings CM1-1, CM1-2, CM1-3, and CM1-4 for location of site office trailer.

The site trailer will be set up on site which will accommodate the necessary management personnel as well as house adequate meeting spaces for a Joint Health and Safety Committee (JHSC), Worker Trade Committee (WTC), worker orientations, and space to administer proper first aid treatments. Dedicated routes to the office will be clearly identified and maintained at all times.

Material Storage and Unloading Zones:
Storage containers will be located onsite as shown in Appendix A drawing CM1-2. Material and equipment will be stored at south side of the property during construction of north building structure. Generally, material storage for all stages of development will be received and stored within the construction fence. As the project advances, materials will be off-loaded on to the superstructure. Flammable and combustible materials will be identified, protected, and stored in designated "compounds" as prescribed by the Ministry of Labour and TSSA guidelines.

Perimeter Construction Fencing: The perimeter construction fencing to be used as per ministry guidelines or as required. Refer to Appendix A drawings CM1-1, CM1-2, CM1-3 and, CM1-4 for limit of fencing and location of construction gates.

12.0 Emergency Contact Info

In the event of an emergency, the City and the general public may contact project personnel responsible for the orderly conduct of the construction at all times. Contact information of persons provided will possess the authority to attend and act, as necessary. Contact information will be provided once the General Contractor has been selected, as follows:

Contact #1:
Contact Name: TBD prior to construction
Cell Number _____
Email Address_____

Note: *Should the Site Superintendent change during construction,* ***CAMARRO GROUP*** *will assign a new contact name and phone number.*

13.0 Public Communication

All project information (phone numbers, email address, fax, website, etc.) shall be included on all signage surrounding the site. Public communications for the job site shall also include:

- 48-hour notice shall be provided to adjacent properties should any construction operations produce impacts beyond the normal day-to-day operations of the site.
- A pre-construction notice shall be sent out to adjacent properties and along the construction access route
- Signs around the site shall include project working hours, and emergency contact information

- Inform the ward councilor, public transit, business community and residents of the start of the construction
- Communication with Corridor Management is required prior to the distributing any notices or contact to the Ward Councilor, public, etc.

On-site emergency protocols:

- Reporting the emergency to the required chain of command (emergency contacts)
- Establishing communication and alerting all parties involved
- Ordering evacuation, if necessary
- Alerting external agencies, if necessary
- Alerting outside population of possible risk, if necessary
- Requesting external aid, if necessary
- Providing medical aid, if necessary
- Ensuring emergency shut offs are closed, if necessary
- Sounding the all-clear
- Advising media, if necessary

(Website Reference: https://www.ccohs.ca/oshanswers/hsprograms/planning.html)

These on-site emergency protocols are needed for handling unexpected situations. The objective is to be prepared to prevent fatalities and injuries, reduce damage to buildings and equipment, protect the environment and the community, and accelerate the resumption of normal operations.

Respectfully submitted,

Steve Pongracz

Steve Pongracz C.E.T.
Lanhack Consultants Inc.

Appendix A: Construction and Mobility Management Plan(s)

LEGEND

- TRUCK MOVEMENT ARROW
- TRAFFIC MOVEMENT ARROW
- PROPOSED TEMPORARY 1.8m HIGH CHAIN LINK CONSTRUCTION FENCE C/W HEAVY-DUTY SILT FENCE AS PER OPSD 219.130
- EXISTING CONIFEROUS TREE
- EXISTING DECIDUOUS TREE
- PEDESTRIAN MOVEMENT

APPROX.	APPROXIMATE
BPED	BELL PEDESTAL
BOL	BOLLARD
CB	CATCH BASIN
C&G	CURB & GUTTER
C/L	CENTERLINE
CONST.	CONSTRUCTION
CONC.	CONCRETE
DCB	DOUBLE CATCH BASIN
EX.	EXISTING
HYD	FIRE HYDRANT
GW	GUY WIRE
HP	HYDRO POLE
H&LS	HYDRO & LIGHT STANDARD
HMH	HYDRO MANHOLE
LS	LIGHT STANDARD
SAMH	SANITARY MANHOLE
STD.	STANDARD
TEMP.	TEMPORARY
PAD	PEDESTAL
PROP.	PROPOSED

CONSTRUCTION NORTH

GENERAL CONSTRUCTION NOTES

1. DURING ALL MATERIAL DELIVERIES AND ENTRY/EXIT OPERATIONS OF CONSTRUCTION VEHICLES/EQUIPMENTS, THE CONTRACTOR WILL ENSURE THAT FLAG PERSONS WILL BE EMPLOYED TO PROVIDE TRAFFIC MANAGEMENT. THE CONTRACTOR WILL PROVIDE TEMPORARY INFORMATION SIGNAGE NOTING TRAFFIC DISRUPTION DURING THE HOURS BETWEEN 7AM AND 6PM FOR A PERIOD OF 36 MONTHS.
2. SPACING OF TRUCKS WILL BE ORGANIZED, DISPATCHED, IN THE STAGING AREA IN SUCH A WAY THAT NO VEHICLES WILL BE IN A STAGING SITUATION ON MUNICIPAL STREETS.
3. ONE (1) TRUCK STAGING AREA IS PROVIDED ON NORTH END OF COOKE BOULEVARD. NO TRUCK STAGING AREA IS PROVIDED ON MASONRY COURT. ALL CONSTRUCTION VEHICLES/EQUIPMENT WILL REQUIRED TO BE STAGED TO THEIR DESIGNATED STAGING AREA FOR EACH DEVELOPMENT STAGES.
4. LANE OR ROAD CLOSURES ARE NOT ANTICIPATED EXCEPT FOR SERVICING. MINIMUM 3m LANE WIDTH IS MAINTAINED ON COOKE BOULEVARD FOR TWO-WAY TRAFFIC.
5. THE LOCATION OF ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE ONTARIO TRAFFIC MANUAL (OTM) BOOK 7. SEE DRAWING CM2-1 FOR RECOMMENDED SIGN LOCATIONS.
6. ALL SIGNAGE AND SAFETY DEVICES TO BE INSPECTED DAILY BY THE DEVELOPER'S SUPERINTENDENT AND IMMEDIATE MAINTENANCE WILL BE PERFORMED IF REQUIRED.
7. LOADING AND UNLOADING WILL OCCUR IN DESIGNATED STAGING AREA(S) NOTED ON THE PLAN.
8. NO PARKING WILL OCCUR ON THE ADJACENT STREETS OR BOULEVARDS BY TRADES/LABOURERS. ARRANGEMENTS WILL BE MADE FOR THE TRADES/LABOURERS TO PARK ON SITE AT NORTH SIDE OF THE PROPERTY UNTIL THE SOUTHERN UNDERGROUND PARKING AREA IS OPERATIONAL.
9. FLAG PERSONS WILL BE REMINDED THAT NO FLAGGING OF TRAFFIC TO OCCUR WITHIN 30m OF THE SIGNALIZED INTERSECTION.
10. CONTRACTOR TO NOTIFY ABUTTING LAND OWNERS/TENANTS 48 HRS IN ADVANCE TO ANY DISRUPTIONS TO ACCESS TO THEIR PROPERTIES OR SERVICES.
11. ALL BOULEVARDS TO BE KEPT FREE FROM BUILDING MATERIALS AND DEBRIS AT ALL TIMES UNLESS OTHERWISE NOTED.
12. BOOK 7 TRAINED CONTRACTOR AND COMPETENT FLAG PERSONS WILL BE ON SITE DURING CONSTRUCTION TO CONTROL VEHICULAR, PEDESTRIAN AND CYCLIST TRAFFIC IN ALL DIRECTIONS DURING TRUCK ENTERING AND LEAVING THE SITE.
13. FIRE HYDRANTS ARE TO BE ACCESSIBLE TO THE FIRE DEPARTMENT AT ALL TIMES.
14. THIS CONSTRUCTION / MOBILITY MANAGEMENT PLAN (C/MMP) HAS BEEN PREPARED AS A GENERAL GUIDELINE FOR ITEMS SUCH AS LOCATING THE STAGING AREA, MASHROOMS, SITE TRAILER, TOWER CRANE, TEMPORARY HYDRO FOR CRANE, TRUCK HAUL ROUTE, GENERAL NOTES, CONSTRUCTION SEQUENCE AND DEVELOPMENT STAGES. THE DEVELOPER/ CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY MEASURES OUTLINED BY THE MINISTRY OF LABOUR ON AND ABUTTING THE DEVELOPMENT AT ALL TIMES.
15. THE DEVELOPER/CONTRACTOR WILL MONITOR THE SITE AT ALL TIMES TO ENSURE THE SITE AND ABUTTING LANDS ARE SAFE AND SECURE. LANHACK CONSULTANTS INC. WAS RETAINED TO ONLY PREPARE THE CMMP AND HAS NOT BEEN RETAINED TO MONITOR THE SITE DURING CONSTRUCTION.
16. THE DEVELOPER IS TO RESTORE ANY PORTION OF THE RIGHT-OF-WAY (i.e. SIDEWALK, BOULEVARD, ROADWAY) BACK TO ITS ORIGINAL OR BETTER CONDITION. PRE AND POST PHOTOS SHOULD BE TAKEN BY THE DEVELOPER.

CONSTRUCTION SEQUENCE NOTES:

1. CONTRACTOR TO INSTALL ALL CONSTRUCTION SIGNAGE PER THE ONTARIO TRAFFIC MANUAL – TEMPORARY CONDITIONS – BOOK 7.
2. CONTRACTOR TO INSTALL ALL SILT FENCES AS SHOWN ON THE CIVIL PLANS PREPARED BY ODAN/DETECH GROUP INC.
3. CONSTRUCTION HOURS 7:00AM TO 6:00PM DAILY.
4. DUE TO THE SIZE OF THE DEVELOPMENT, WE EXPECT:
   – 10 TRADES PERSONS DURING DEMOLITION & EXCAVATION PHASE
   – 30 TRADES PERSONS DURING STRUCTURAL PHASE, AND
   – 40 TRADES PERSONS DURING FINISHING PHASE
5. REFER TO SHORING PLANS PREPARED BY OTHERS FOR LOCATION AND LENGTH OF TIEBACKS (IF REQUIRED).
6. DEMOLITION, EXCAVATION, AND SHORING PHASE WILL TAKE APPROXIMATELY 5 MONTHS TO COMPLETE. THE DISPOSAL SITE FOR THE EARTH MATERIAL HAS NOT YET BEEN DETERMINED, THE CONTRACTOR WILL ADVISE THE CITY OF DISPOSAL SITE ONCE CONFIRMED.
7. ALL TRUCKS, IF REQUIRED, TO BE WASHED DOWN PRIOR TO EXITING THE SITE ON THE MUD MAT. LOCATION OF MUD-MAT AS SHOWN IN PLAN.
8. BUILDING STRUCTURAL PHASE WILL TAKE 5–25 MONTHS.
9. THE FINISHING PHASE WILL TAKE APPROXIMATELY 25–36 MONTHS TO CONSTRUCT.
10. CURBS AND GUTTERS, AND BOULEVARD RESTORATION TO BE REINSTALLED ONCE THE MAJORITY OF CONSTRUCTION HAS BEEN COMPLETED.
11. DURING CONSTRUCTION STAGE #4, TEMPORARY BOULEVARD ENCROACHMENT IS REQUIRED ON COOKE BOULEVARD FOR TRUCK STAGING AREA, SITE TRAILER, AND MATERIAL STORAGE. THE APPLICATION MUST BE APPLIED FOR A MINIMUM OF 5 DAYS PRIOR TO OCCUPANCY.
12. REFER TO CIVIL PLANS FOR GRADING, SERVICING AND EROSION & SEDIMENT CONTROL PREPARED BY ODAN/DETECH GROUP INC.
13. REFER TO SITE PLAN FOR EXACT LIMITS OF THE UNDERGROUND PARKING.
14. REFER TO CONSTRUCTION/TRAFFIC MANAGEMENT REPORT PREPARED BY LANHACK.
15. **NOTE:** PRIOR TO ANY OCCUPANCY OR CHANGES TO THE RIGHT-OF-WAY, THE CONTRACTOR MUST CONTACT CITY OF BURLINGTON AND APPLY FOR ANY PERMIT REQUIRED.
18. THE CONSTRUCTION OF PROPOSED SITE WILL BE COMPLETED IN FOUR (4) STAGES AS BELOW.
    - STAGE–1: DEMOLITION AND REMOVAL OF EXISTING BUILDING FOR SITE DEVELOPMENT.
    - STAGE–2: SOUTH PART – EXCAVATION, CONSTRUCTION OF SOUTH U/G PARKING STRUCTURE, AND CONSTRUCTION OF SOUTH BUILDING TOWER.
    - STAGE–3: NORTH PART – EXCAVATION FOR NORTH U/G PARKING STRUCTURE,
    - STAGE–4: NORTH PART – CONSTRUCTION OF NORTH U/G PARKING STRUCTURE AND CONSTRUCTION OF NORTH BUILDING TOWER.

PUBLIC COMMUNICATION PLAN:

ALL PROJECT INFORMATION (PHONE NUMBERS, EMAIL ADDRESS, FAX, WEBSITE, ETC.) SHALL BE INCLUDED ON ALL SIGNAGE SURROUNDING THE SITE. PUBLIC COMMUNICATIONS FOR THE JOB SITE SHALL ALSO INCLUDE:

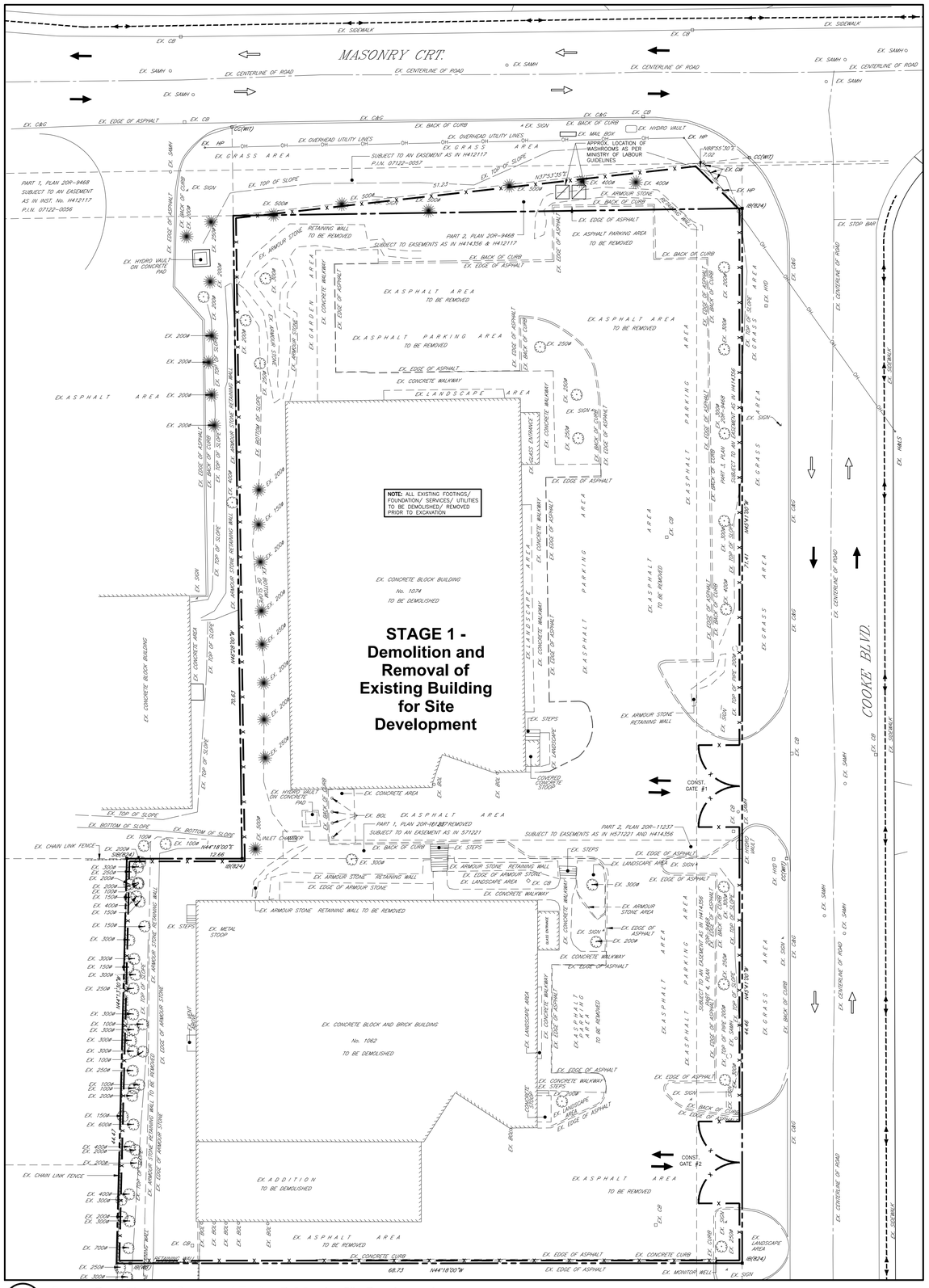
- 48–HOUR NOTICE SHALL BE PROVIDED TO ADJACENT PROPERTIES SHOULD ANY CONSTRUCTION OPERATIONS PRODUCE IMPACTS BEYOND THE NORMAL DAY–TO–DAY OPERATIONS OF THE SITE
- A PRE–CONSTRUCTION NOTICE SHALL BE SENT OUT TO ADJACENT PROPERTIES AND ALONG THE CONSTRUCTION ACCESS ROUTES
- SIGNS AROUND THE SITE SHALL INCLUDE PROJECT WORKING HOURS, A PROJECT WEBSITE TO PROVIDE CONSTRUCTION UPDATES, AND EMERGENCY CONTACT INFORMATION
- INFORM THE WARD COUNCILOR, PUBLIC TRANSIT, BUSINESS COMMUNITY AND RESIDENTS OF THE START OF THE CONSTRUCTION

ON–SITE EMERGENCY PROTOCOLS:

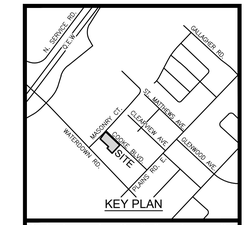
- REPORTING THE EMERGENCY TO THE REQUIRED CHAIN OF COMMAND (EMERGENCY CONTACTS)
- ESTABLISHING COMMUNICATION AND ALERTING ALL PARTIES INVOLVED
- ORDERING EVACUATION, IF NECESSARY
- ALERTING EXTERNAL AGENCIES, IF NECESSARY
- ALERTING OUTSIDE POPULATION OF POSSIBLE RISK, IF NECESSARY
- REQUESTING EXTERNAL AID, IF NECESSARY
- PROVIDING MEDICAL AID, IF NECESSARY
- ENSURING EMERGENCY SHUT OFFS ARE CLOSED, IF NECESSARY
- SOUNDING THE ALL–CLEAR
- ADVISING MEDIA, IF NECESSARY

WEBSITE REFERENCE:
HTTPS://WWW.CCOHS.CA/OSHANSWERS/HSPROGRAMS/PLANNING.HTML

THESE ON–SITE EMERGENCY PROTOCOLS ARE NEEDED FOR HANDLING UNEXPECTED SITUATIONS. THE OBJECTIVE IS TO BE PREPARED TO PREVENT FATALITIES AND INJURIES, REDUCE DAMAGE TO BUILDINGS AND EQUIPMENT, PROTECT THE ENVIRONMENT AND THE COMMUNITY, AND ACCELERATE THE RESUMPTION OF NORMAL OPERATIONS.



1 CM1-1 Stage–1 Demolition and Removal of Existing Building for Site Development



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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SOURCE
EXISTING BOUNDARY SURVEY AND TOPOGRAPHICAL INFORMATION OBTAINED FROM MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE, DATED AUGUST 24, 2022.
SURVEYOR : A.J. CLARKE AND ASSOCIATES LTD. SURVEY COMPLETION DATE MARCH 11, 2021.

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

Revision Record

No.	Description	Date (m/d/y)
B	ISSUED FOR REZONING SUBMISSION	09/07/22
A	ISSUED FOR CLIENT REVIEW	08/30/22
No.	Description	Date (m/d/y)

Issue Record

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Residential Development CAMARRO GROUP

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BURLINGTON, ON L7T 4A8

Date:	AUGUST 2022
Drawn By:	NDM
Chkd By:	SMP
Scale:	1 : 250

Stage–1 Construction + Mobility Management Plan

Project No.:	Drawing No.:	Rev.:
23002	CM1-1	B

Plot Date: 09/07/22
M:\2023\23002 – Cooke Blvd, Burlington CMMP\CM\23002_CM01 – Construction Management Plan.dwg

LEGEND

	TRUCK MOVEMENT ARROW
	TRAFFIC MOVEMENT ARROW
x x	PROPOSED TEMPORARY 1.8m HIGH CHAIN LINK CONSTRUCTION FENCE C/W HEAVY-DUTY SILT FENCE AS PER OPSD 219.130
	EXISTING CONIFEROUS TREE
	EXISTING DECIDUOUS TREE
#	# NO. OF TRADE PARKING SPACES
	PEDESTRIAN MOVEMENT

APPROX.	APPROXIMATE
BPED	BELL PEDESTAL
BOL	BOLLARD
CB	CATCH BASIN
C&G	CURB & GUTTER
C/L	CENTERLINE
CONST.	CONSTRUCTION
CONC.	CONCRETE
DCB	DOUBLE CATCH BASIN
EX.	EXISTING
HYD	FIRE HYDRANT
GW	GUY WIRE
HP	HYDRO POLE
H&LS	HYDRO & LIGHT STANDARD
HMH	HYDRO MANHOLE
LS	LIGHT STANDARD
SAMH	SANITARY MANHOLE
STD.	STANDARD
TEMP.	TEMPORARY
PAD	PEDESTAL
PROP.	PROPOSED

CONSTRUCTION NORTH

GENERAL CONSTRUCTION NOTES

1. DURING ALL MATERIAL DELIVERIES AND ENTRY/EXIT OPERATIONS OF CONSTRUCTION VEHICLES/EQUIPMENTS, THE CONTRACTOR WILL ENSURE THAT FLAG PERSONS WILL BE EMPLOYED TO PROVIDE TRAFFIC MANAGEMENT. THE CONTRACTOR WILL PROVIDE TEMPORARY INFORMATION SIGNAGE NOTING TRAFFIC DISRUPTION DURING THE HOURS BETWEEN 7AM AND 6PM FOR A PERIOD OF 36 MONTHS.
2. SPACING OF TRUCKS WILL BE ORGANIZED, DISPATCHED, IN THE STAGING AREA IN SUCH A WAY THAT NO VEHICLES WILL BE IN A STAGING SITUATION ON MUNICIPAL STREETS.
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4. LANE OR ROAD CLOSURES ARE NOT ANTICIPATED EXCEPT FOR SERVICING. MINIMUM 3m LANE WIDTH IS MAINTAINED ON COOKE BOULEVARD FOR TWO-WAY TRAFFIC.
5. THE LOCATION OF ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE ONTARIO TRAFFIC MANUAL (OTM) BOOK 7. SEE DRAWING CM2-1 FOR RECOMMENDED SIGN LOCATIONS.
6. ALL SIGNAGE AND SAFETY DEVICES TO BE INSPECTED DAILY BY THE DEVELOPER'S SUPERINTENDENT AND IMMEDIATE MAINTENANCE WILL BE PERFORMED IF REQUIRED.
7. LOADING AND UNLOADING WILL OCCUR IN DESIGNATED STAGING AREA(S) NOTED ON THE PLAN.
8. NO PARKING WILL OCCUR ON THE ADJACENT STREETS OR BOULEVARDS BY TRADES/LABOURERS. ARRANGEMENTS WILL BE MADE FOR THE TRADES/LABOURERS TO PARK ON SITE AT NORTH SIDE OF THE PROPERTY UNTIL THE SOUTHERN UNDERGROUND PARKING AREA IS OPERATIONAL.
9. FLAG PERSONS WILL BE REMINDED THAT NO FLAGGING OF TRAFFIC TO OCCUR WITHIN 30m OF THE SIGNALIZED INTERSECTION.
10. CONTRACTOR TO NOTIFY ABUTTING LAND OWNERS/TENANTS 48 HRS IN ADVANCE TO ANY DISRUPTIONS TO ACCESS TO THEIR PROPERTIES OR SERVICES.
11. ALL BOULEVARDS TO BE KEPT FREE FROM BUILDING MATERIALS AND DEBRIS AT ALL TIMES UNLESS OTHERWISE NOTED.
12. BOOK 7 TRAINED CONTRACTOR AND COMPETENT FLAG PERSONS WILL BE ON SITE DURING CONSTRUCTION TO CONTROL VEHICULAR, PEDESTRIAN AND CYCLIST TRAFFIC IN ALL DIRECTIONS DURING TRUCK ENTERING AND LEAVING THE SITE.
13. FIRE HYDRANTS ARE TO BE ACCESSIBLE TO THE FIRE DEPARTMENT AT ALL TIMES.
14. THIS CONSTRUCTION / MOBILITY MANAGEMENT PLAN (C/MMP) HAS BEEN PREPARED AS A GENERAL GUIDELINE FOR ITEMS SUCH AS LOCATING THE STAGING AREA, WASHROOMS, SITE TRAILER, TOWER CRANE, TEMPORARY HYDRO FOR CRANE, TRUCK HAUL ROUTE, GENERAL NOTES, CONSTRUCTION SEQUENCE AND DEVELOPMENT STAGES. THE DEVELOPER/ CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY MEASURES OUTLINED BY THE MINISTRY OF LABOUR ON AND ABUTTING THE DEVELOPMENT AT ALL TIMES.
15. THE DEVELOPER/CONTRACTOR WILL MONITOR THE SITE AT ALL TIMES TO ENSURE THE SITE AND ABUTTING LANDS ARE SAFE AND SECURE. LANHACK CONSULTANTS INC. WAS RETAINED TO ONLY PREPARE THE CMMP AND HAS NOT BEEN RETAINED TO MONITOR THE SITE DURING CONSTRUCTION.
16. THE DEVELOPER IS TO RESTORE ANY PORTION OF THE RIGHT-OF-WAY (i.e. SIDEWALK, BOULEVARD, ROADWAY) BACK TO ITS ORIGINAL OR BETTER CONDITION. PRE AND POST PHOTOS SHOULD BE TAKEN BY THE DEVELOPER.

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   – 40 TRADES PERSONS DURING FINISHING PHASE
5. REFER TO SHORING PLANS PREPARED BY OTHERS FOR LOCATION AND LENGTH OF TIEBACKS (IF REQUIRED).
6. DEMOLITION, EXCAVATION, AND SHORING PHASE WILL TAKE APPROXIMATELY 5 MONTHS TO COMPLETE. THE DISPOSAL SITE FOR THE EARTH MATERIAL HAS NOT YET BEEN DETERMINED, THE CONTRACTOR WILL ADVISE THE CITY OF DISPOSAL SITE ONCE CONFIRMED.
7. ALL TRUCKS, IF REQUIRED, TO BE WASHED DOWN PRIOR TO EXITING THE SITE ON THE MUD MAT. LOCATION OF MUD-MAT AS SHOWN IN PLAN.
8. BUILDING STRUCTURAL PHASE WILL TAKE 5-25 MONTHS.
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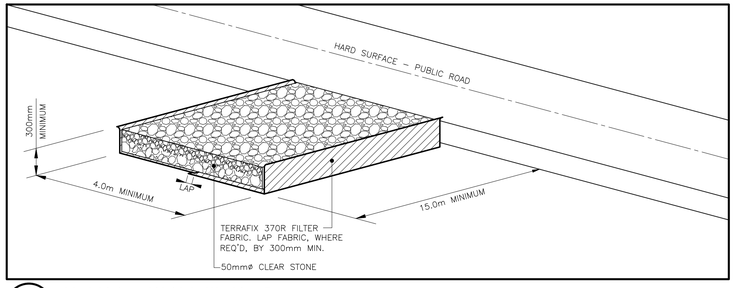
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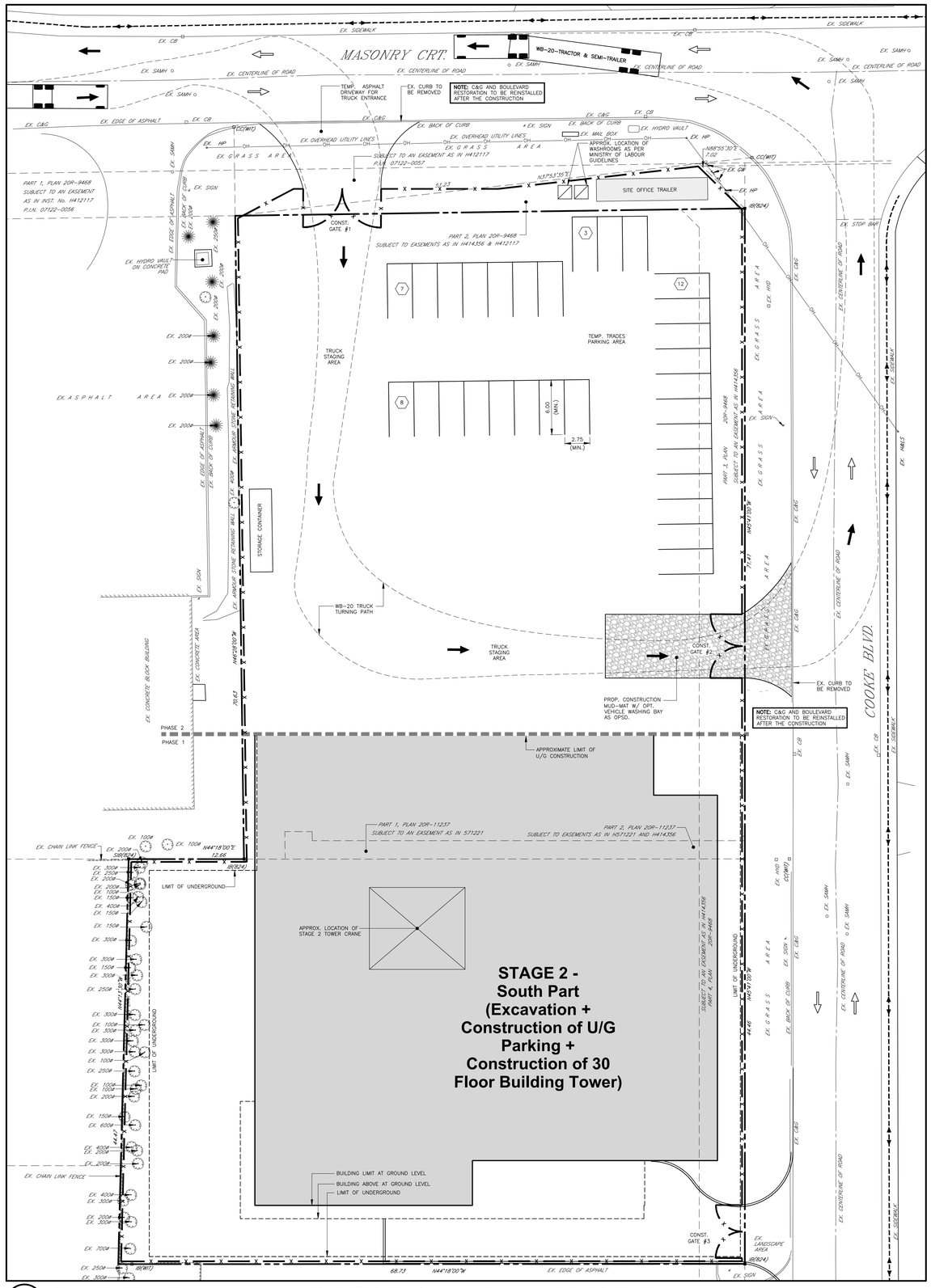
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- REQUESTING EXTERNAL AID, IF NECESSARY
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- ENSURING EMERGENCY SHUT OFFS ARE CLOSED, IF NECESSARY
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WEBSITE REFERENCE:
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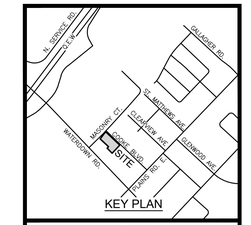
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2 CM1-2 **Mud-Mat and Vehicle Washing Bay** N.T.S.



1 CM1-2 **Stage-2 South Part – Excavation, Construction of South U/G Parking Structure + Construction of South Building Tower** 1:250



KEY PLAN

Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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SOURCE
EXISTING BOUNDARY SURVEY AND TOPOGRAPHICAL INFORMATION OBTAINED FROM MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE, DATED AUGUST 24, 2022.
SURVEYOR : A.J. CLARKE AND ASSOCIATES LTD. SURVEY COMPLETION DATE MARCH 11, 2021.

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

Revision Record

No.	Description	Date (m/d/y)
B	ISSUED FOR REZONING SUBMISSION	09/07/22
A	ISSUED FOR CLIENT REVIEW	08/30/22
No.	Description	Date (m/d/y)

Issue Record

LANHACK Consultants Inc.
Consulting Engineers
1709 Upper James Street
Hamilton, ON L9B 1K7
Tel: (905) 777-1454
Fax: (905) 336-8142

Residential Development CAMARRO GROUP

1074 COOKE BOULEVARD
BURLINGTON, ON L7T 4A8

Date:	AUGUST 2022
Drawn By:	NDM
Chkd By:	SMP
Scale:	1 : 250

Stage-2 Construction + Mobility Management Plan

Project No.:	Drawing No.:	Rev.:
23002	CM1-2	B

Plot Date: 09/07/22
M:\2023\23002 – Cooke Blvd, Burlington CMMP\CM\23002_CM01 – Construction Management Plan.dwg

LEGEND

	TRUCK MOVEMENT ARROW
	TRAFFIC MOVEMENT ARROW
x x	PROPOSED TEMPORARY 1.8m HIGH CHAIN LINK CONSTRUCTION FENCE C/W HEAVY-DUTY SILT FENCE AS PER OPSD 219.130
	EXISTING CONIFEROUS TREE
	EXISTING DECIDUOUS TREE
	PEDESTRIAN MOVEMENT

APPROX.	APPROXIMATE
BPED	BELL PEDESTAL
BOL	BOLLARD
CB	CATCH BASIN
C&G	CURB & GUTTER
C/L	CENTERLINE
CONST.	CONSTRUCTION
CONC.	CONCRETE
DCB	DOUBLE CATCH BASIN
EX.	EXISTING
HYD	FIRE HYDRANT
GW	GUY WIRE
HP	HYDRO POLE
H&LS	HYDRO & LIGHT STANDARD
HMH	HYDRO MANHOLE
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SAMH	SANITARY MANHOLE
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TEMP.	TEMPORARY
PAD	PEDESTAL
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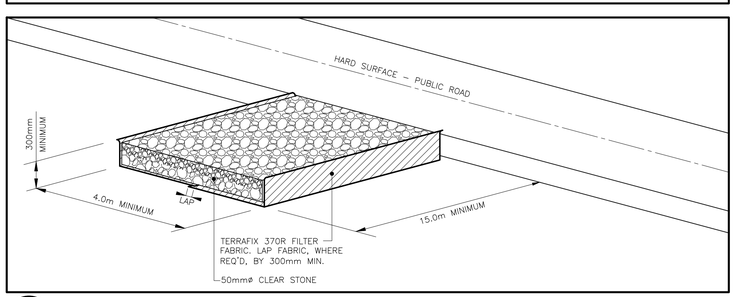
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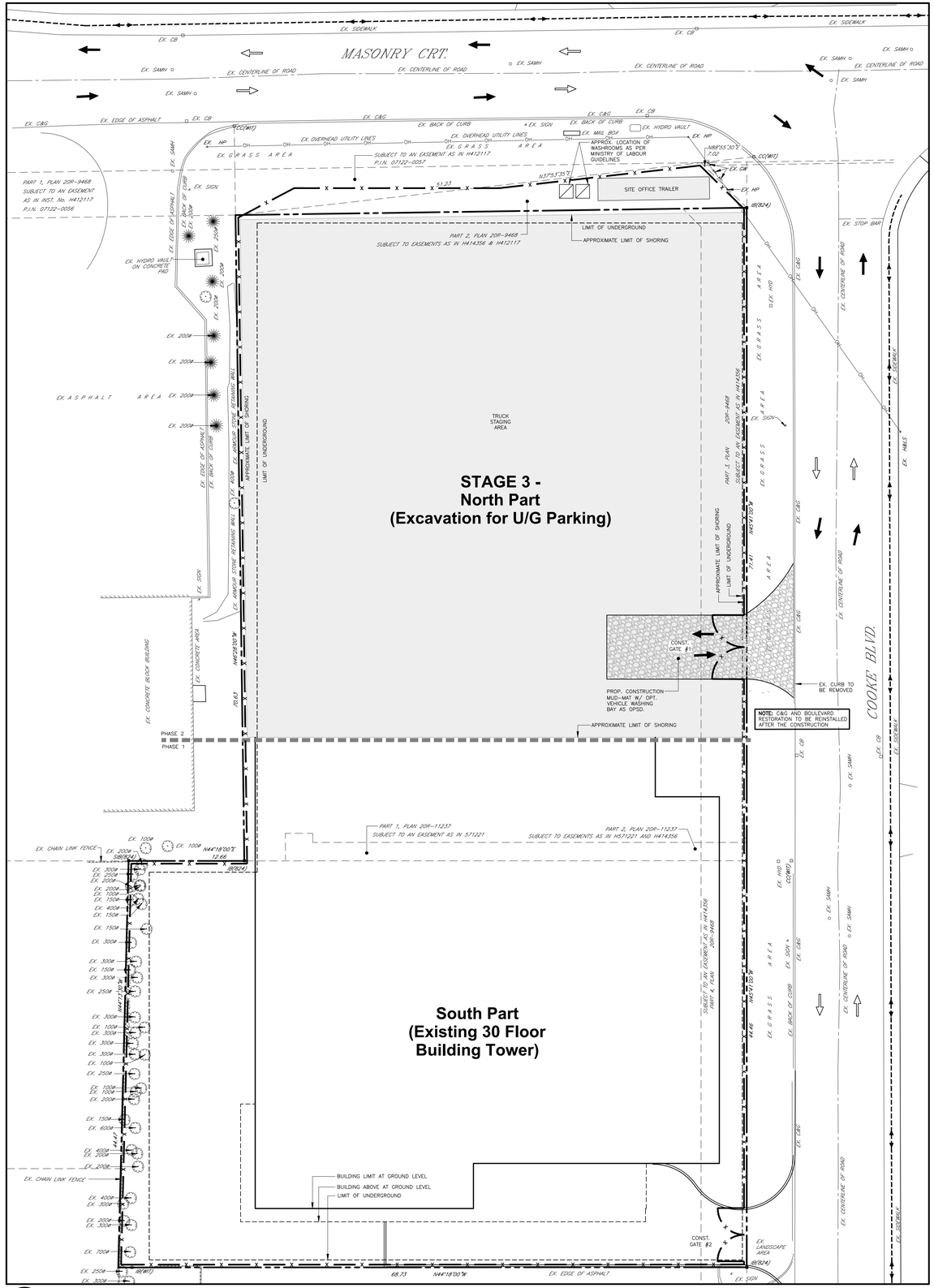
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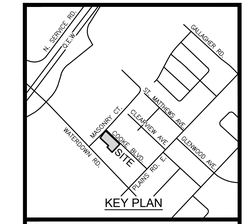
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2 CM1-3 **Mud-Mat and Vehicle Washing Bay** N.T.S.



1 CM1-3 **Stage-3 North Part - Excavation for North U/G Parking Structure** 1:250



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

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1709 Upper James Street
Hamilton, ON L9B 1K7
Tel: (905) 777-1454
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Residential Development CAMARRO GROUP

1074 COOKE BOULEVARD
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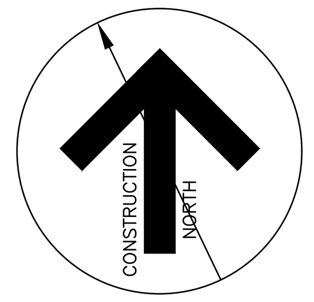
Date:	AUGUST 2022
Drawn By:	NDM
Chkd By:	SMP
Scale:	1 : 250

Stage-3 Construction + Mobility Management Plan

Project No.:	Drawing No.:	Rev.:
23002	CM1-3	B

Plot Date: 09/07/22
M:\2023\23002 – Cooke Blvd. Burlington CMMP\CM\23002_CM01 – Construction Management Plan.dwg

LEGEND



(solid arrow)	TRUCK MOVEMENT ARROW
(open arrow)	TRAFFIC MOVEMENT ARROW
—x—x—	PROPOSED TEMPORARY 1.8m HIGH CHAIN LINK CONSTRUCTION FENCE C/W HEAVY-DUTY SILT FENCE AS PER OPSD 219.130
(symbol)	EXISTING CONIFEROUS TREE
(symbol)	EXISTING DECIDUOUS TREE
- - -◄- - -►- - -	PEDESTRIAN MOVEMENT
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BOL	BOLLARD
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C&G	CURB & GUTTER
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2. SPACING OF TRUCKS WILL BE ORGANIZED, DISPATCHED, IN THE STAGING AREA IN SUCH A WAY THAT NO VEHICLES WILL BE IN A STAGING SITUATION ON MUNICIPAL STREETS.
3. ONE (1) TRUCK STAGING AREA IS PROVIDED ON NORTH END OF COOKE BOULEVARD. NO TRUCK STAGING AREA IS PROVIDED ON MASONRY COURT. ALL CONSTRUCTION VEHICLES/EQUIPMENT WILL REQUIRED TO BE STAGED TO THEIR DESIGNATED STAGING AREA FOR EACH DEVELOPMENT STAGES.
4. LANE OR ROAD CLOSURES ARE NOT ANTICIPATED EXCEPT FOR SERVICING. MINIMUM 3m LANE WIDTH IS MAINTAINED ON COOKE BOULEVARD FOR TWO-WAY TRAFFIC.
5. THE LOCATION OF ALL CONSTRUCTION SIGNAGE MUST CONFORM TO THE ONTARIO TRAFFIC MANUAL (OTM) BOOK 7. SEE DRAWING CM2-1 FOR RECOMMENDED SIGN LOCATIONS.
6. ALL SIGNAGE AND SAFETY DEVICES TO BE INSPECTED DAILY BY THE DEVELOPER'S SUPERINTENDENT AND IMMEDIATE MAINTENANCE WILL BE PERFORMED IF REQUIRED.
7. LOADING AND UNLOADING WILL OCCUR IN DESIGNATED STAGING AREA(S) NOTED ON THE PLAN.
8. NO PARKING WILL OCCUR ON THE ADJACENT STREETS OR BOULEVARDS BY TRADES/LABOURERS. ARRANGEMENTS WILL BE MADE FOR THE TRADES/LABOURERS TO PARK ON SITE AT NORTH SIDE OF THE PROPERTY UNTIL THE SOUTHERN UNDERGROUND PARKING AREA IS OPERATIONAL.
9. FLAG PERSONS WILL BE REMINDED THAT NO FLAGGING OF TRAFFIC TO OCCUR WITHIN 30m OF THE SIGNALIZED INTERSECTION.
10. CONTRACTOR TO NOTIFY ABUTTING LAND OWNERS/TENANTS 48 HRS IN ADVANCE TO ANY DISRUPTIONS TO ACCESS TO THEIR PROPERTIES OR SERVICES.
11. ALL BOULEVARDS TO BE KEPT FREE FROM BUILDING MATERIALS AND DEBRIS AT ALL TIMES UNLESS OTHERWISE NOTED.
12. BOOK 7 TRAINED CONTRACTOR AND COMPETENT FLAG PERSONS WILL BE ON SITE DURING CONSTRUCTION TO CONTROL VEHICULAR, PEDESTRIAN AND CYCLIST TRAFFIC IN ALL DIRECTIONS DURING TRUCK ENTERING AND LEAVING THE SITE.
13. FIRE HYDRANTS ARE TO BE ACCESSIBLE TO THE FIRE DEPARTMENT AT ALL TIMES.
14. THIS CONSTRUCTION / MOBILITY MANAGEMENT PLAN (C/MMP) HAS BEEN PREPARED AS A GENERAL GUIDELINE FOR ITEMS SUCH AS LOCATING THE STAGING AREA, WASHROOMS, SITE TRAILER, TOWER CRANE, TEMPORARY HYDRO FOR CRANE, TRUCK HAUL ROUTE, GENERAL NOTES, CONSTRUCTION SEQUENCE AND DEVELOPMENT STAGES. THE DEVELOPER/ CONTRACTOR IS RESPONSIBLE FOR ALL SAFETY MEASURES OUTLINED BY THE MINISTRY OF LABOUR ON AND ABUTTING THE DEVELOPMENT AT ALL TIMES.
15. THE DEVELOPER/CONTRACTOR WILL MONITOR THE SITE AT ALL TIMES TO ENSURE THE SITE AND ABUTTING LANDS ARE SAFE AND SECURE. LANHACK CONSULTANTS INC. WAS RETAINED TO ONLY PREPARE THE CMMP AND HAS NOT BEEN RETAINED TO MONITOR THE SITE DURING CONSTRUCTION.
16. THE DEVELOPER IS TO RESTORE ANY PORTION OF THE RIGHT-OF-WAY (i.e. SIDEWALK, BOULEVARD, ROADWAY) BACK TO ITS ORIGINAL OR BETTER CONDITION. PRE AND POST PHOTOS SHOULD BE TAKEN BY THE DEVELOPER.

CONSTRUCTION SEQUENCE NOTES:

1. CONTRACTOR TO INSTALL ALL CONSTRUCTION SIGNAGE PER THE ONTARIO TRAFFIC MANUAL – TEMPORARY CONDITIONS – BOOK 7.
2. CONTRACTOR TO INSTALL ALL SILT FENCES AS SHOWN ON THE CIVIL PLANS PREPARED BY ODAN/DETECH GROUP INC.
3. CONSTRUCTION HOURS 7:00AM TO 6:00PM DAILY.
4. DUE TO THE SIZE OF THE DEVELOPMENT, WE EXPECT:
   - 10 TRADES PERSONS DURING DEMOLITION & EXCAVATION PHASE
   - 30 TRADES PERSONS DURING STRUCTURAL PHASE, AND
   - 40 TRADES PERSONS DURING FINISHING PHASE
5. REFER TO SHORING PLANS PREPARED BY OTHERS FOR LOCATION AND LENGTH OF TIEBACKS (IF REQUIRED).
6. DEMOLITION, EXCAVATION, AND SHORING PHASE WILL TAKE APPROXIMATELY 5 MONTHS TO COMPLETE. THE DISPOSAL SITE FOR THE EARTH MATERIAL HAS NOT YET BEEN DETERMINED, THE CONTRACTOR WILL ADVISE THE CITY OF DISPOSAL SITE ONCE CONFIRMED.
7. ALL TRUCKS, IF REQUIRED, TO BE WASHED DOWN PRIOR TO EXITING THE SITE ON THE MUD MAT. LOCATION OF MUD-MAT AS SHOWN IN PLAN.
8. BUILDING STRUCTURAL PHASE WILL TAKE 5-25 MONTHS.
9. THE FINISHING PHASE WILL TAKE APPROXIMATELY 25-36 MONTHS TO CONSTRUCT.
10. CURBS AND GUTTERS, AND BOULEVARD RESTORATION TO BE REINSTALLED ONCE THE MAJORITY OF CONSTRUCTION HAS BEEN COMPLETED.
11. DURING CONSTRUCTION STAGE #4, TEMPORARY BOULEVARD ENCROACHMENT IS REQUIRED ON COOKE BOULEVARD FOR TRUCK STAGING AREA, SITE TRAILER, AND MATERIAL STORAGE. THE APPLICATION MUST BE APPLIED FOR A MINIMUM OF 5 DAYS PRIOR TO OCCUPANCY.
12. REFER TO CIVIL PLANS FOR GRADING, SERVICING AND EROSION & SEDIMENT CONTROL PREPARED BY ODAN/DETECH GROUP INC.
13. REFER TO SITE PLAN FOR EXACT LIMITS OF THE UNDERGROUND PARKING.
14. REFER TO CONSTRUCTION/TRAFFIC MANAGEMENT REPORT PREPARED BY LANHACK.
15. **NOTE:** PRIOR TO ANY OCCUPANCY OR CHANGES TO THE RIGHT-OF-WAY, THE CONTRACTOR MUST CONTACT CITY OF BURLINGTON AND APPLY FOR ANY PERMIT REQUIRED.
18. THE CONSTRUCTION OF PROPOSED SITE WILL BE COMPLETED IN FOUR (4) STAGES AS BELOW.
   - STAGE-1: DEMOLITION AND REMOVAL OF EXISTING BUILDING FOR SITE DEVELOPMENT.
   - STAGE-2: SOUTH PART – EXCAVATION, CONSTRUCTION OF SOUTH U/G PARKING STRUCTURE, AND CONSTRUCTION OF SOUTH BUILDING TOWER.
   - STAGE-3: NORTH PART – EXCAVATION FOR NORTH U/G PARKING STRUCTURE.
   - STAGE-4: NORTH PART – CONSTRUCTION OF NORTH U/G PARKING STRUCTURE AND CONSTRUCTION OF NORTH BUILDING TOWER.

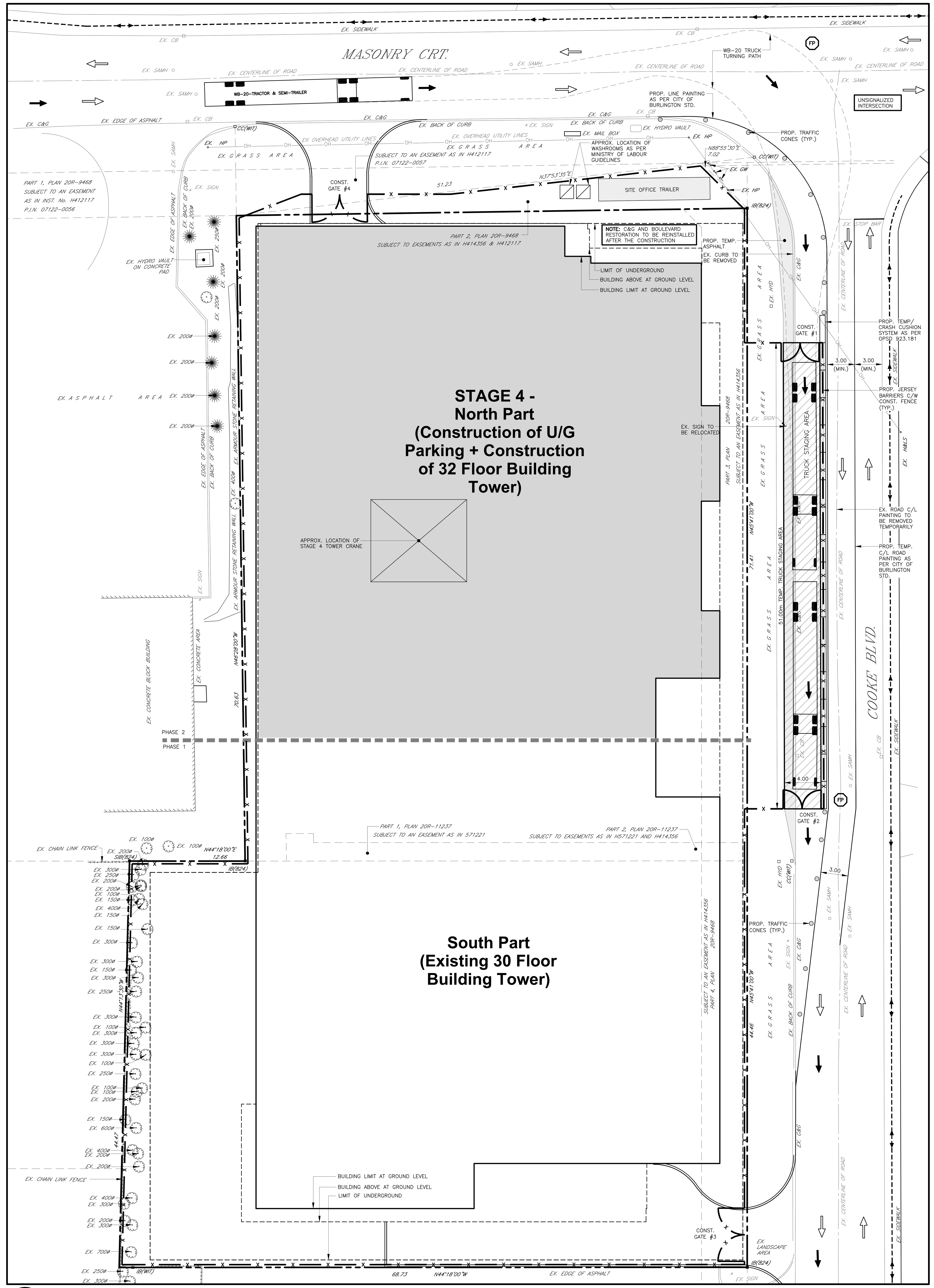
PUBLIC COMMUNICATION PLAN:

ALL PROJECT INFORMATION (PHONE NUMBERS, EMAIL ADDRESS, FAX, WEBSITE, ETC.) SHALL BE INCLUDED ON ALL SIGNAGE SURROUNDING THE SITE. PUBLIC COMMUNICATIONS FOR THE JOB SITE SHALL ALSO INCLUDE:
- 48-HOUR NOTICE SHALL BE PROVIDED TO ADJACENT PROPERTIES SHOULD ANY CONSTRUCTION OPERATIONS PRODUCE IMPACTS BEYOND THE NORMAL DAY-TO-DAY OPERATIONS OF THE SITE
- A PRE-CONSTRUCTION NOTICE SHALL BE SENT OUT TO ADJACENT PROPERTIES AND ALONG THE CONSTRUCTION ACCESS ROUTES
- SIGNS AROUND THE SITE SHALL INCLUDE PROJECT WORKING HOURS, A PROJECT WEBSITE TO PROVIDE CONSTRUCTION UPDATES, AND EMERGENCY CONTACT INFORMATION
- INFORM THE WARD COUNCILOR, PUBLIC TRANSIT, BUSINESS COMMUNITY AND RESIDENTS OF THE START OF THE CONSTRUCTION

ON-SITE EMERGENCY PROTOCOLS:
- REPORTING THE EMERGENCY TO THE REQUIRED CHAIN OF COMMAND (EMERGENCY CONTACTS)
- ESTABLISHING COMMUNICATION AND ALERTING ALL PARTIES INVOLVED
- ORDERING EVACUATION, IF NECESSARY
- ALERTING EXTERNAL AGENCIES, IF NECESSARY
- ALERTING OUTSIDE POPULATION OF POSSIBLE RISK, IF NECESSARY
- REQUESTING EXTERNAL AID, IF NECESSARY
- PROVIDING MEDICAL AID, IF NECESSARY
- ENSURING EMERGENCY SHUT OFFS ARE CLOSED, IF NECESSARY
- SOUNDING THE ALL-CLEAR
- ADVISING MEDIA, IF NECESSARY

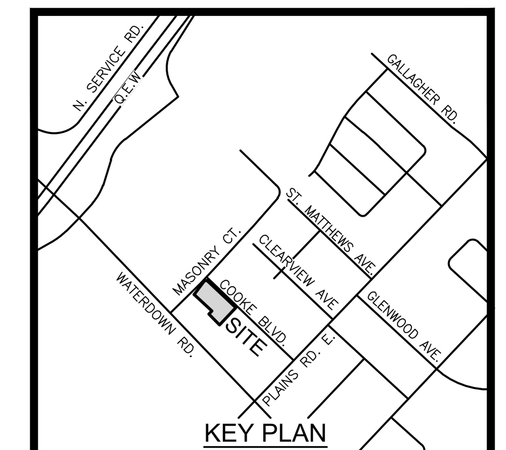
WEBSITE REFERENCE:
HTTPS://WWW.CCOHS.CA/OSHANSWERS/HSPROGRAMS/PLANNING.HTML

THESE ON-SITE EMERGENCY PROTOCOLS ARE NEEDED FOR HANDLING UNEXPECTED SITUATIONS. THE OBJECTIVE IS TO BE PREPARED TO PREVENT FATALITIES AND INJURIES, REDUCE DAMAGE TO BUILDINGS AND EQUIPMENT, PROTECT THE ENVIRONMENT AND THE COMMUNITY, AND ACCELERATE THE RESUMPTION OF NORMAL OPERATIONS.



1 CM1-4 Stage-4 North Part : Construction of North U/G Parking Structure + Construction of North Building Tower

1:250



KEY PLAN

Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

This drawing is a part of the Contract Documents and is to be read in conjunction with all other Contract Documents.

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SOURCE
EXISTING BOUNDARY SURVEY AND TOPOGRAPHICAL INFORMATION OBTAINED FROM MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE, DATED AUGUST 24, 2022.
SURVEYOR : A.J. CLARKE AND ASSOCIATES LTD. SURVEY COMPLETION DATE MARCH 11, 2021.

THE POSITION OF THE POLE LINES, CONDUITS, WATERMAINS, SEWERS, AND OTHER UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED.

Revision Record

No.	Description	Date (m/d/y)

No.	Description	Date (m/d/y)
B	ISSUED FOR REZONING SUBMISSION	09/07/22
A	ISSUED FOR CLIENT REVIEW	08/30/22

Issue Record

LANHACK Consultants Inc.
Consulting Engineers
1709 Upper James Street
Hamilton, ON L9B 1K7
Tel: (905) 777-1454
Fax: (905) 336-8142

Residential Development CAMARRO GROUP

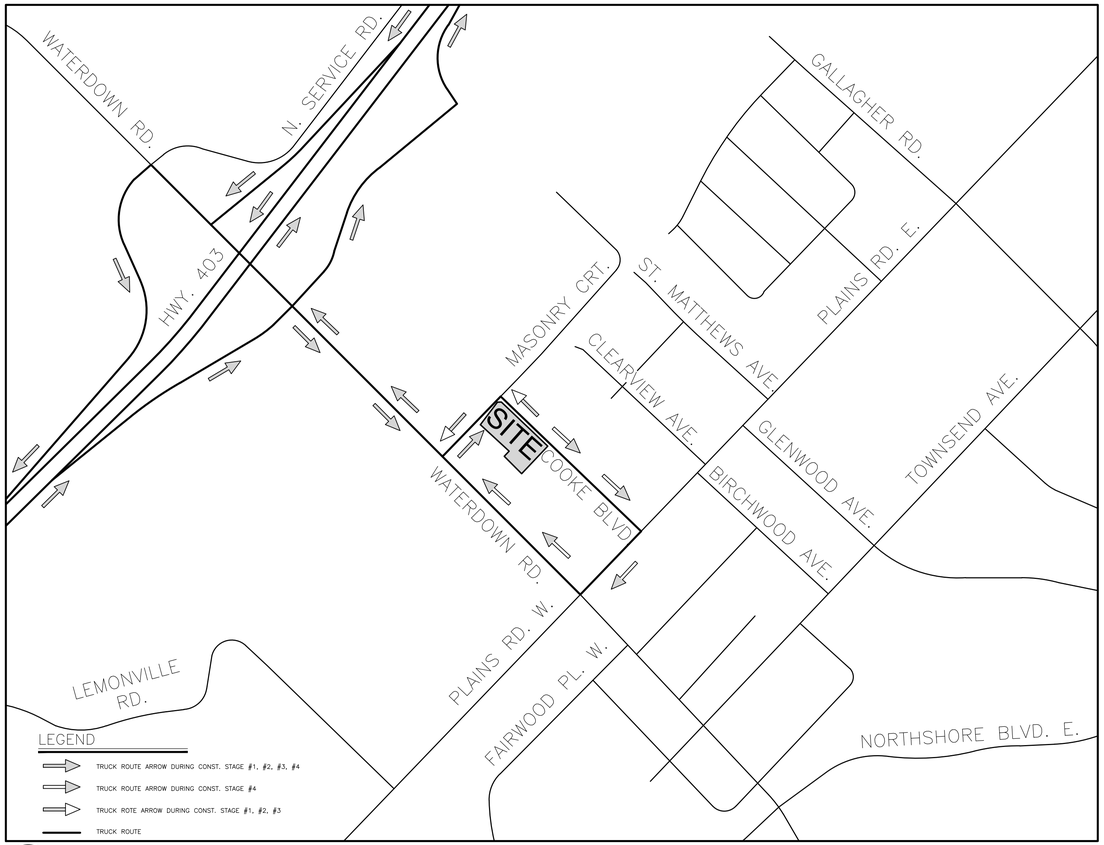
1074 COOKE BOULEVARD
BURLINGTON, ON L7T 4A8

Date:	AUGUST 2022
Drawn By:	NDM
Chkd By:	SMP
Scale:	1 : 250

Stage-4 Construction + Mobility Management Plan

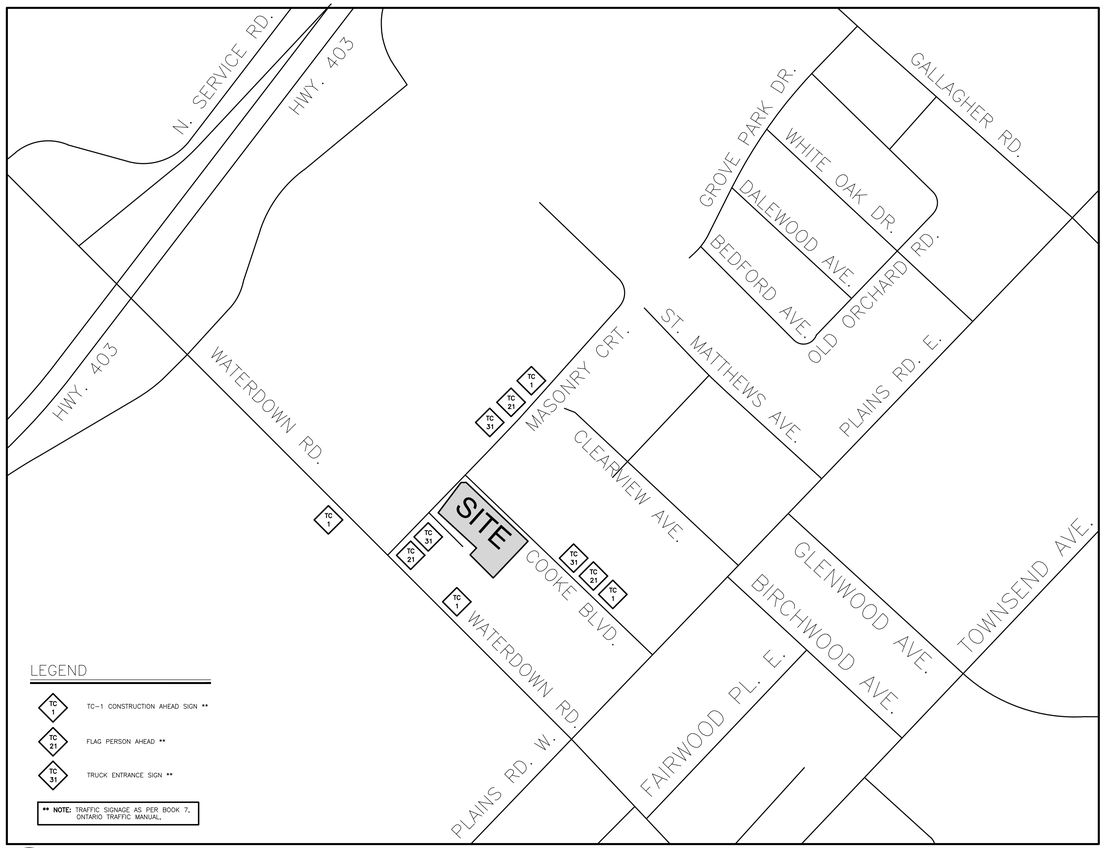
Project No.:	Drawing No.:	Rev.:
23002	CM1-4	B

Plot Date: 09/07/22
M:\2023\23002 – Cooke Blvd. Burlington CMMP\Civil\23002_CM01 – Construction Management Plan.dwg



1 CM2-1 Construction Truck Route Map

N.T.S.



2 CM2-1 Construction Signage Map

N.T.S.



Contractor must verify all dimensions on the Project Site and report any discrepancies before proceeding with the Work.

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Consulting Engineers
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Tel: (905) 777-1454
Fax: (905) 336-8142

Residential Development CAMARRO GROUP

1074 COOKE BOULEVARD
BURLINGTON, ON L7T 4A8

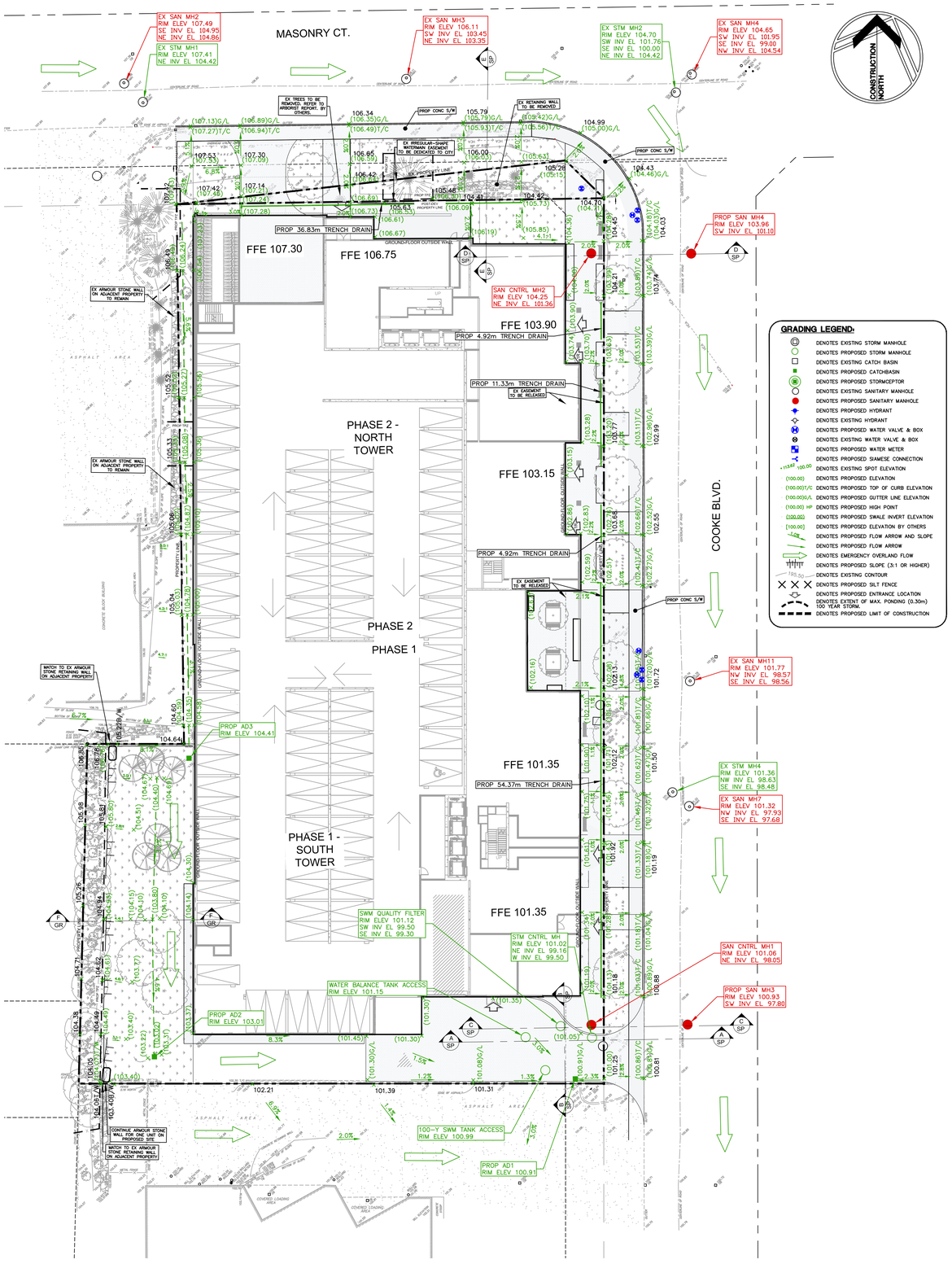
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Drawn By:	NDM
Chkd By:	SMP
Scale:	1 : 250

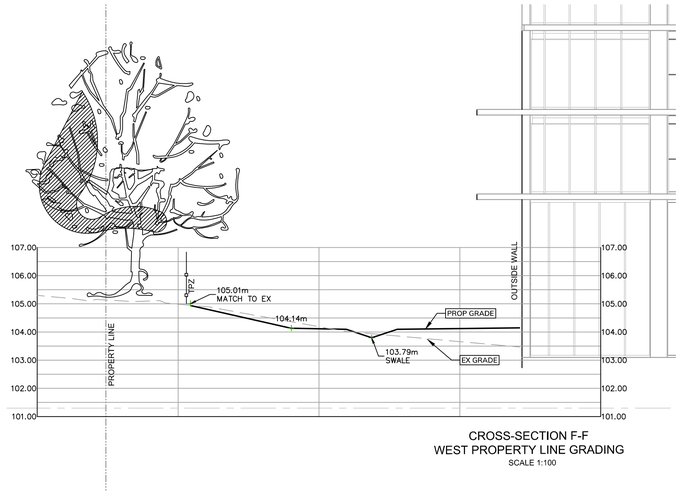
Construction Truck Route and Signage Map

Project No.:	Drawing No.:	Rev.:
23002	CM2-1	B

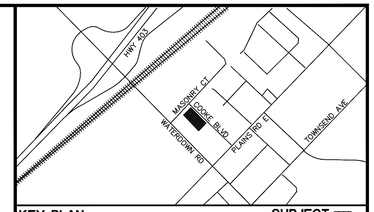
Plot Date: 09/07/22
M:\2023\23002 – Cooke Blvd, Burlington CMP\CM\23002_CM01 – Construction Management Plan.dwg

Appendix B: Civil Drawings Prepared by Odan/Detech Group Inc.





CROSS-SECTION F-F
WEST PROPERTY LINE GRADING
SCALE 1:100



KEY PLAN
Scale : N.T.S.

SUBJECT LANDS

NOTES:

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EXISTING TOPOGRAPHICAL INFORMATION SUPPLIED BY A.J. CLARKE AND ASSOCIATES LTD. IN THEIR BOUNDARY AND TOPOGRAPHIC SURVEY OF MARCH 2021.

BENCH MARK:

CITY OF BURLINGTON
MONUMENT No: 043890287

BRASS CAP WITH SET IN CONCRETE CYLINDER
LOCATION: ON THE WEST SIDE OF TOWN LINE, OPPOSITE HOUSE No. 1055, 4.1m FROM CENTERLINE TOWN LINE.

ELEVATION= 259.00m

BEARING NOTE:

BEARINGS ARE ASTRONOMIC AND ARE REFERRED TO THE WESTERLY LIMIT OF COOKE BOULEVARD AS SHOWN ON PLAN 20M-507, HAVING A BEARING OF N45°41'00"W.

METRIC NOTE:

DISTANCES AND ELEVATIONS ON THIS PLAN ARE TYPICALLY SHOWN IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

NO.	REVISIONS	DATE	BY
1.	ISSUED FOR REZONING 1ST SUBMISSION	SEPT 12/22	MHH

SCALE(S): 1:300

0 10 20 30

DRAWING TITLE:

FUNCTIONAL GRADING PLAN

PROJECT:

PROPOSED MIXED-USE DEVELOPMENT
1062-1074 COOKE BOULEVARD
BURLINGTON, ON

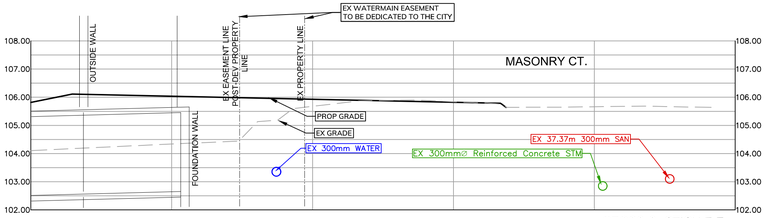
CLIENT:

CAMARRO DEVELOPMENTS

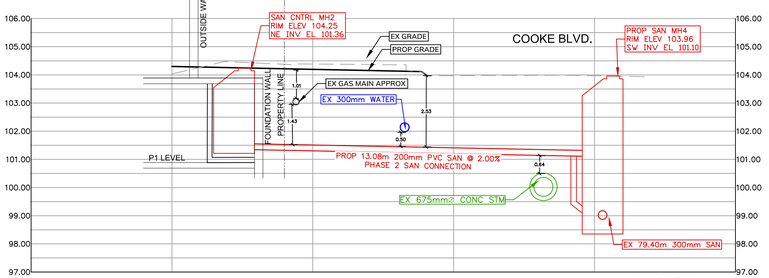
ODAN·DETECH CONSULTING ENGINEERS
The Odan/Detech Group Inc. P: (905) 632-3811 F: (905) 632-3363
5230 SOUTH SERVICE ROAD, BURLINGTON, ONTARIO, L7L 5K2

LICENSED PROFESSIONAL ENGINEER
SEPT 12/22
P.J. HECIMOVIC
100128950
PROVINCE OF ONTARIO
ENGINEER

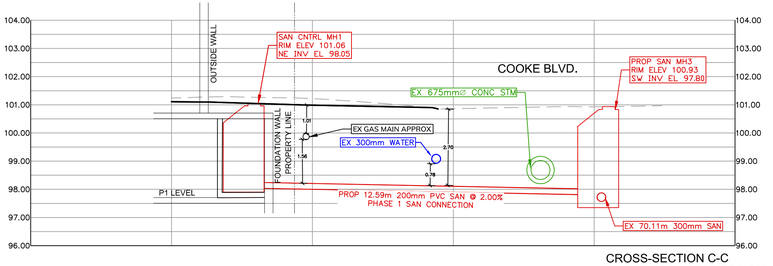
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DRAWN BY: D.B.	
CHECKED BY: M.H.H.	DATE: JULY 2022
APPROVED BY: P.H.	DRAWING No.: 2 OF 2



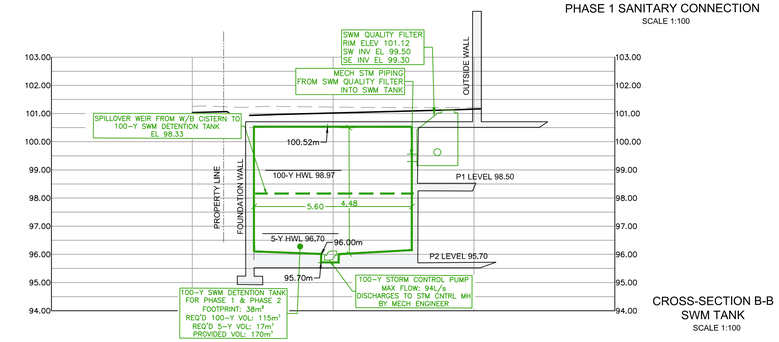
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MASONRY CT. BOULEVARD
SCALE 1:100



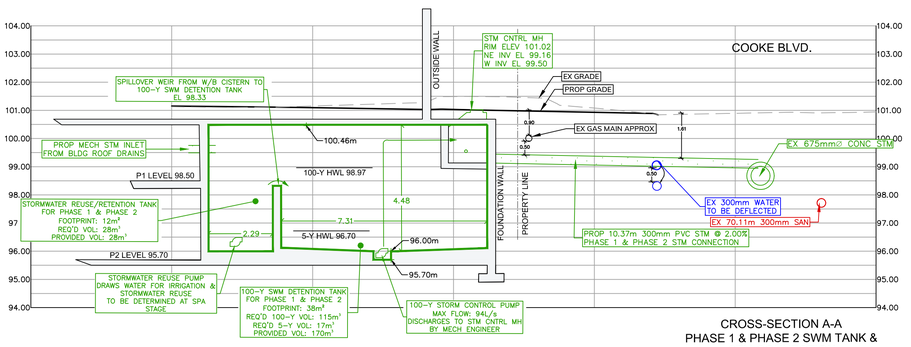
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PHASE 2 SANITARY CONNECTION
SCALE 1:100



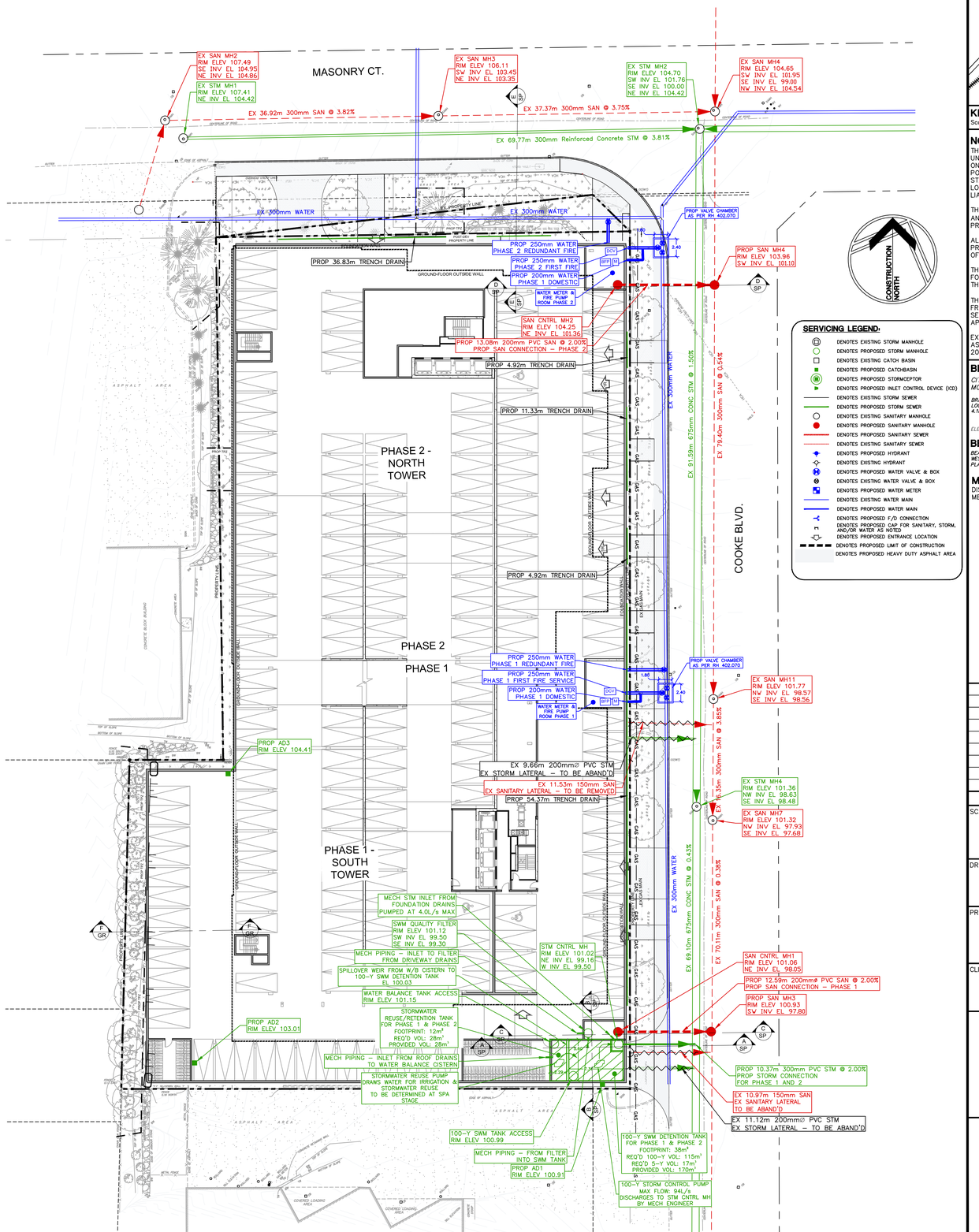
CROSS-SECTION C-C
PHASE 1 SANITARY CONNECTION
SCALE 1:100

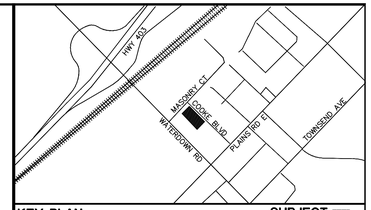


CROSS-SECTION B-B
SWM TANK
SCALE 1:100



CROSS-SECTION A-A
PHASE 1 & PHASE 2 SWM TANK &
STM CONNECTION
SCALE 1:100





KEY PLAN Scale : N.T.S.

SUBJECT LANDS

NOTES:

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MONUMENT No: 043890287

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METRIC NOTE:

DISTANCES AND ELEVATIONS ON THIS PLAN ARE TYPICALLY SHOWN IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

SERVICING LEGEND:

- DENOTES EXISTING STORM MANHOLE
- DENOTES PROPOSED STORM MANHOLE
- DENOTES EXISTING CATCH BASIN
- DENOTES PROPOSED CATCHBASIN
- DENOTES PROPOSED STORMCEPTOR
- DENOTES PROPOSED INLET CONTROL DEVICE (ICD)
- DENOTES EXISTING STORM SEWER
- DENOTES PROPOSED STORM SEWER
- DENOTES EXISTING SANITARY MANHOLE
- DENOTES PROPOSED SANITARY MANHOLE
- DENOTES PROPOSED SANITARY SEWER
- DENOTES EXISTING SANITARY SEWER
- DENOTES PROPOSED HYDRANT
- DENOTES EXISTING HYDRANT
- DENOTES PROPOSED WATER VALVE & BOX
- DENOTES EXISTING WATER VALVE & BOX
- DENOTES PROPOSED WATER METER
- DENOTES EXISTING WATER MAIN
- DENOTES PROPOSED WATER MAIN
- DENOTES PROPOSED F/D CONNECTION
- DENOTES PROPOSED CAP FOR SANITARY, STORM, AND/OR WATER AS NOTED
- DENOTES PROPOSED ENTRANCE LOCATION
- DENOTES PROPOSED LIMIT OF CONSTRUCTION
- DENOTES PROPOSED HEAVY DUTY ASPHALT AREA

CONSTRUCTION NORTH

NO.	REVISIONS	DATE	BY
1.	ISSUED FOR REZONING 1ST SUBMISSION	SEPT 12/22	MHH

SCALE(S): 1:300

0 10 20 30

DRAWING TITLE:

FUNCTIONAL SERVICING PLAN

PROJECT:

PROPOSED MIXED-USE DEVELOPMENT
1062–1074 COOKE BOULEVARD
BURLINGTON, ON

CLIENT:

CAMARRO DEVELOPMENTS

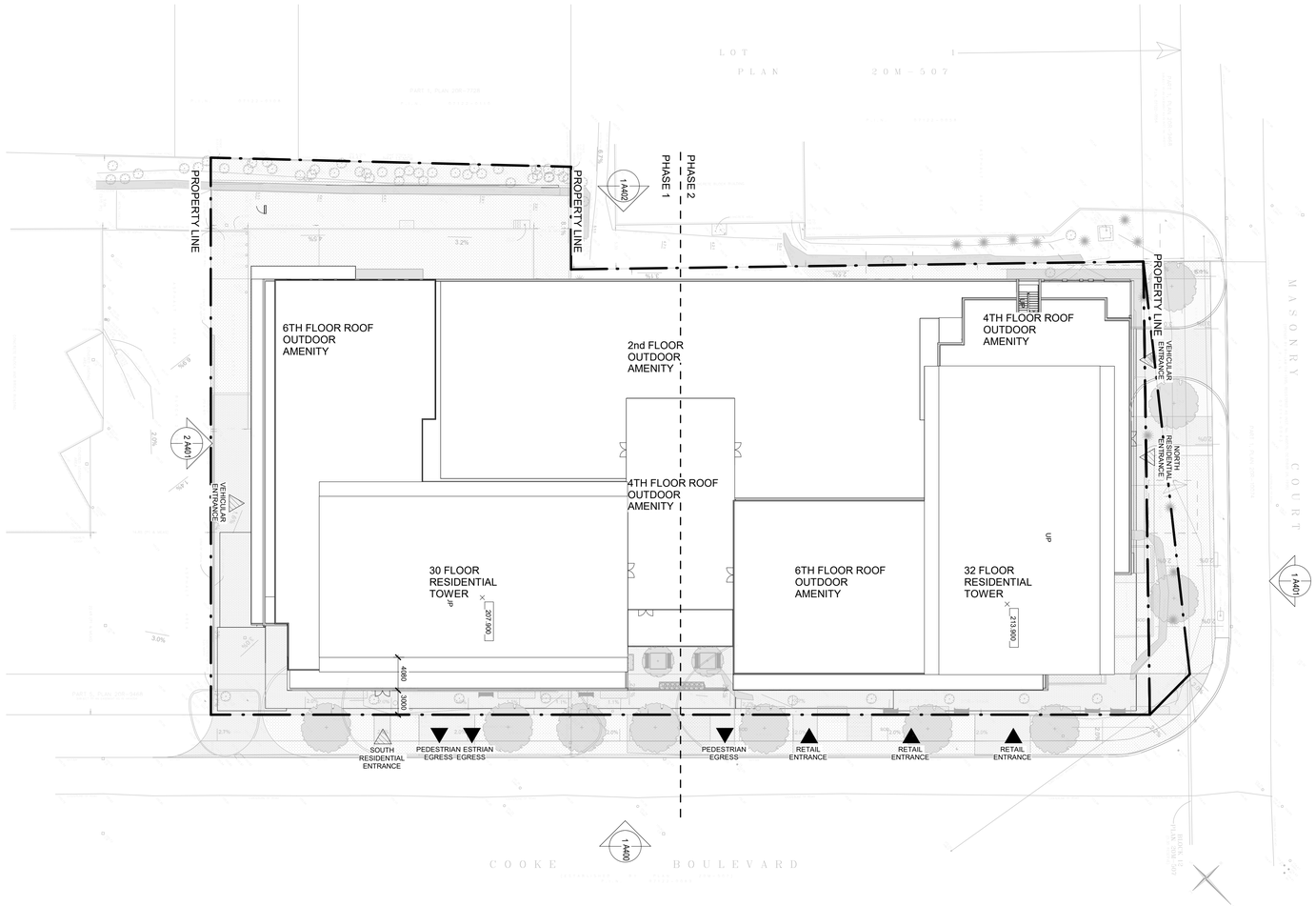
ODAN·DETECH
CONSULTING ENGINEERS
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5230 SOUTH SERVICE ROAD, BURLINGTON, ONTARIO, L7L 5K2

LICENSED PROFESSIONAL ENGINEER
SEPT 12/22
P.J. HECIMOVIC
100128980
PROVINCE OF ONTARIO

ENGINEER

DESIGNED BY:	PROJECT No.:
P.H.	20262
DRAWN BY:	
D.B.	
CHECKED BY:	DATE:
M.H.H.	JULY 2022
APPROVED BY:	DRAWING No.:
P.H.	1 OF 2

Appendix C: Site Plan Prepared by RAW Design Inc.



1 **SITE PLAN**
1 : 300

SITE PLAN NOTES

1. THE BUILDING IS TO BE [NOT SPRINKLERED] /[SPRINKLERED].

2. THE SOLID WASTE ROOMS IS XX SM AND AND WILL ACCOMMODATE GARBAGE VIA USE OF ONE CHUTE. GARBAGE CHUTE ACCCESS OCCURS ON LEVELS X,X AND X. ADDITIONAL BULK STORAGE IS PROVIDED AT A MINIMUM OF XXSM.

3. COLLECTION OF WASTE MATERIALS FOR THIS DEVELOPMENT WILL TAKE PLACE ON SITE IN THE LOADING AREA DESIGNATED ON THE GROUND FLOOR PLAN. AN ON-SITE TRAINED STAFF/ MAINTENANCE PERSON IS RESPONSIBLE FOR MOVING THE BINS FROM THE SOLID WASTE ROOM TO THE COLLECTION POINT AND PROVIDE VEHICULAR DIRECTIVES TO THE COLLECTION VEHICLE OPERATOR AS REQUIRED. IN THE EVENT THE ON-SITE STAFF IS UNAVAILABLE AT THE TIME THE CITY COLLECTION VEHICLE ARRIVES AT THE CITY, THE COLLECTION VEHICLE WILL LEAVE THE SITE AND NOT RETURN UNTIL THE NEXT SCHEDULED COLLECTION DAY.

4. SIDEWALKS AND BOULEVARDS WITHIN THE RIGHT OF WAY TO HAVE A MINIMUM 2% AND MAXIMUM 4% SLOPE TOWARDS THE ROADWAY.

5. REFER TO SITE SERVICING PLAN, FOR SEWER AND WATER SERVICE INFORMATION.

6. ALL EXISTING ACCESSES, CURB CUTS, TRAFFIC CONTROL SIGNS, ETC. ALONG THE DEVELOPMENT SITE FRONTAGE THAT ARE NO LONGER REQUIRED ARE TO BE REMOVED. THE BOULEVARD WITHIN THE PUBLIC RIGHT OF WAY, IN ACCORDANCE WITH CITY STANDARDS AND TO THE SATISFACTION OF THE EXECUTIVE DIRECTOR OF TECHNICAL SERVICES ARE TO BE REINSTATED.

7. PROPOSED ACCESS TO THE DRIVEWAY FOR THIS PROJECT TO BE DESIGNED IN ACCORDANCE WITH CITY STANDARD NO. T310-050-1 FOR COMBINED CURB AND SIDEWALK VEHICULAR ENTRANCES.

8. THIS BUILDING IS DESIGNED WITH A SHARED LOADING SPACE. A FLASHING WARNING LIGHT SYSTEM AND / OR APPROPRIATE SIGNAGE ADJACENT TO THE SPACE, AT NO COST TO THE CITY, WILL BE IN PLACE AND ACTIVATED DURING COLLECTION AND REMAIN ACTIVE UNTIL THE VEHICLE EXITS THE SITE.

9. SOLID WASTE MANAGEMENT TO BE NOTIFIED UPON COMPLETION OF THE DEVELOPMENT AND SHOULD PUBLIC WASTE COLLECTION BE USED, ALL NECESSARY APPLICATION AND WAIVER FORMS TO BE COMPLETED PRIOR TO COMMENCEMENT OF CITY REFUSE COLLECTION.

10. NO SPEED BUMPS SHALL BE INSTALLED ON ANY MAIN DRIVEWAY AISLE OR DESIGNATED FIRE ROUTE.

SITE PLAN LEGEND

- 00.00 EXISTING ELEVATION
- + 00.000 PROPOSED ELEVATION
- + 00.000 T.O.S. TOP OF STRUCTURE
- + 00.000 T.O.W. TOP OF WALL
- + 00.000 T.O.C. TOP OF CURB
- VEHICULAR EXIT/ENTRANCE
- PEDESTRIAN EXIT/ENTRANCE
- PRIMARY RES ENTRANCE
- EXISTING EXTERIOR TO REMAIN
- NEW WALLS
- ITEM ABOVE
- (S) SCREEN REF. #
- (W) WALL TYPE
- (D) DOOR REF #

NOTES:
REFER TO CONSULTANTS DRAWINGS FORINFORMATION RELATING TO SITE SERVICING, GRADING AND LANDSCAPE. ALL ITEMS NEW CONSTRUCTION UNLESS NOTED OTHERWISE

Abbreviations

AD	AREA DRAIN
CACF	CENTRAL ALARM CONTROL FACILITY
CB	CATCH BASIN
FH	FIRE HYDRANT
FD	FLOOR DRAIN
HB	HOSE BIB
HLP	HYDRO LIGHT POLE
MH	MAN HOLE
TLS	TRAFFIC LIGHT STANDARD

SITE PLAN INFORMATION TAKEN FROM :

TOPOGRAPHIC PLAN SURVEY OF PART OF LOT X
REGISTERED PLAN XXXX
CITY OF XXXXX
PREPARED BY XXXX LAND SURVEYORS
(DATE).

XXX.Xm = 000 ESTABLISHED GRADE

XXX.Xm = TOS GROUND FLOOR AVERAGE

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ISSUE RECORD
2022-08-31 Issued for Rezoning - Draft

REVISION RECORD
NO. DATE DESCRIPTION

North

RAW
405-317 ADELAIDE STREET WEST
TORONTO CANADA M5V 1P9
+1 416 599 9729
WWW.RAWDESIGN.CA

18072

1074 COOKE BLV
BURLINGTON

For CAMARRO GROUP

SITE PLAN

As indicated

A100

2022-08-31 5:10:45 PM