



**APPLICATION FOR MINOR VARIANCE**

WHEREAS an application for minor variance has been made by **CRESTPOINT REAL ESTATE (FINANCIAL DRIVE) INC.** under Section 45 of the Planning Act, (R.S.O. 1990 c.P.13) for relief from **By-law 270-2004**;

AND WHEREAS the property involved in this application is described as Block 2, Plan 43M-1597 municipally known as **7525 & 7535 FINANCIAL DRIVE**, Brampton;

AND WHEREAS the applicant is requesting the following variance(s):

1. To permit outside storage of oversized motor vehicles (trucks and trailers) whereas the by-law does not permit outside storage.

**OTHER PLANNING APPLICATIONS:**

The land which is subject of this application is the subject of an application under the Planning Act for:

Plan of Subdivision: \_\_\_\_\_ **NO** \_\_\_\_\_  
Application for Consent: \_\_\_\_\_ **NO** \_\_\_\_\_

File Number: \_\_\_\_\_  
File Number: \_\_\_\_\_

The Committee of Adjustment has appointed **TUESDAY, September 29, 2020 at 9:00 A.M. by electronic meeting broadcast from the Council Chambers, 4th Floor, City Hall, 2 Wellington Street West, Brampton**, for the purpose of hearing all parties interested in supporting or opposing these applications.

This notice is sent to you because you are either the applicant, a representative/agent of the applicant, a person having an interest in the property or an owner of a neighbouring property. **OWNERS ARE REQUESTED TO ENSURE THAT THEIR TENANTS ARE NOTIFIED OF THIS APPLICATION. THIS NOTICE IS TO BE POSTED BY THE OWNER OF ANY LAND THAT CONTAINS SEVEN OR MORE RESIDENTIAL UNITS IN A LOCATION THAT IS VISIBLE TO ALL OF THE RESIDENTS.** If you are not the applicant and you do not participate in the hearing, the Committee may proceed in your absence, and you will not be entitled to any further notice in the proceedings. **WRITTEN SUBMISSIONS MAY BE SENT TO THE SECRETARY-TREASURER AT THE ADDRESS OR FAX NUMBER LISTED BELOW.**

**IF YOU WISH TO BE NOTIFIED OF THE DECISION OF THE COMMITTEE OF ADJUSTMENT IN RESPECT OF THIS APPLICATION, YOU MUST SUBMIT A WRITTEN REQUEST TO THE COMMITTEE OF ADJUSTMENT.** This will also entitle you to be advised of a Local Planning Appeal Tribunal hearing. Even if you are the successful party, you should request a copy of the decision since the Committee of Adjustment decision may be appealed to the Local Planning Appeal Tribunal by the applicant or another member of the public.

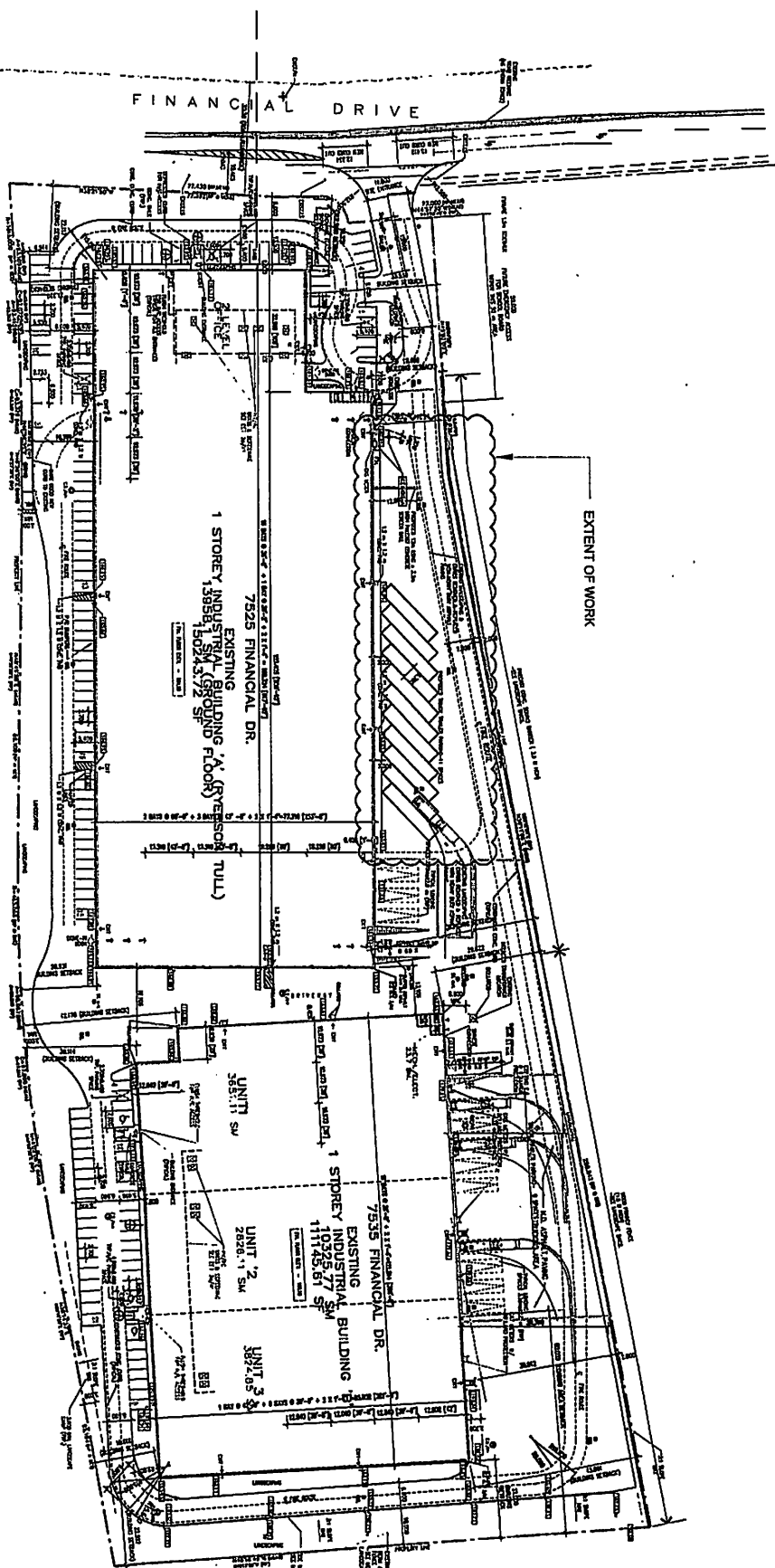
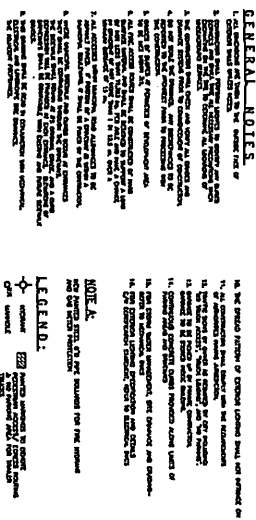
**RULES OF PROCEDURE OF THIS COMMITTEE REQUIRE REPRESENTATION OF THE APPLICATION AT THE HEARING, OTHERWISE THE APPLICATION SHALL BE DEFERRED.**

**PLEASE SEE ATTACHED PARTICIPATION PROCEDURES REQUIRED DURING THE COVID-19 PANDEMIC**

DATED at Brampton Ontario, this 17th day of September, 2020.

Comments may be sent to and more information about this matter may be obtained between 8:30 a.m. to 4:30 p.m. Monday - Friday from:

Jeanie Myers, Secretary-Treasurer  
Committee of Adjustment  
City Clerk's Office,  
Brampton City Hall  
2 Wellington Street West,  
Brampton, Ontario L6Y 4R2  
Phone: (905)874-2117  
Fax: (905)874-2119  
[jeanie.myers@brampton.ca](mailto:jeanie.myers@brampton.ca)

[illegible][illegible]



Under the authority of the *Emergency Management and Civil Protection Act* and the *Municipal Act, 2001*, City Council approved Committee Meetings to be held electronically during the COVID-19 Emergency

**Electronic Hearing Procedures**  
**How to get involved in the Virtual Hearing**

Brampton City Hall is temporarily closed to help stop the spread of COVID-19. In-person Committee of Adjustment Hearings have been cancelled since mid-March 2020. Brampton City Council and some of its Committee are now meeting electronically during the Emergency. The Committee of Adjustment will conduct its meeting electronically until further notice.

**How to Participate in the Hearing:**

- All written comments (by mail or email) must be received by the Secretary-Treasurer no later than **4:30 pm, Thursday, September 24, 2020**.
- Advance registration for applicants, agents and other interested persons is required to participate in the electronic hearing using a computer, smartphone or tablet by emailing the Secretary-Treasurer at [cityclerksoffice@brampton.ca](mailto:cityclerksoffice@brampton.ca) or [jeanie.myers@brampton.ca](mailto:jeanie.myers@brampton.ca) by **4:30 pm, Friday, September 25, 2020**.
  - Persons without access to a computer, smartphone or tablet can participate in a meeting via telephone. You can register by calling 905-874-2117 and leave a message with your name, phone number and the application you wish to speak to by Friday, **September 25, 2020**. City staff will contact you and provide you with further details.
- All Hearings will be livestreamed on the City of Brampton YouTube account at:  
<https://www.brampton.ca/EN/City-Hall/meetings-agendas/Pages/Welcome.aspx> or  
<http://video.isilive.ca/brampton/live.html>.

If holding an electronic rather than an oral hearing is likely to cause a party significant prejudice a written request may be made to have the Committee consider holding an oral hearing on an application at some future date. The request must include your name, address, contact information, and the reasons for prejudice and must be received no later than 4:30 pm the Friday prior to the hearing to [cityclerksoffice@brampton.ca](mailto:cityclerksoffice@brampton.ca) or [jeanie.myers@brampton.ca](mailto:jeanie.myers@brampton.ca). If a party does not submit a request and does not participate in the hearing, the Committee may proceed without a party's participation and the party will not be entitled to any further notice regarding the proceeding.

**NOTE** Personal information as defined in the *Municipal Freedom of Information and Protection of Privacy Act (MFIPPA)*, collected and recorded or submitted in writing or electronically as related to this planning application is collected under the authority of the *Planning Act*, and will be used by members of the Committee and City of Brampton staff in their review of this matter. Please be advised that your submissions will be part of the public record and will be made available to the public, including posting on the City's website, [www.brampton.ca](http://www.brampton.ca). By providing your information, you acknowledge that all personal information such as the telephone numbers, email addresses and signatures of individuals will be redacted by the Secretary-Treasurer on the on-line posting only. Questions regarding the collection, use and disclosure of personal information may be directed to the Secretary-Treasurer at 905-874-2117.





**Architects**

193 Roe Avenue  
Toronto, Ontario M5M 2J1  
[T] 416.781.6125  
[W] [www.sgm-arch.com](http://www.sgm-arch.com)

A-2020-0079

City of Brampton  
Planning & Development Services 2  
Wellington Street West Brampton,  
ON L6Y 4R2

April 2, 2020

**Re: Truck Loading/ Unloading for  
Ryerson Tull at  
7525 and 7535 Financial Dr.  
Brampton, ON**

**Re: Committee of Adjustment to Permit Truck Outdoor Storage**

In reference to: Section 34.1 Industrial Four- M4-Bylaw 34.1.2.(h),  
M4- Section 2757 bylaw 2757.2(k)

To Whom It May Concern,

In regards to the caption, we are informing the committee that the operation of the trucks to load and unload along the north face of the facility are specifically for a relatively short duration of time during business hours and should not pose any disturbance to adjoining properties or to the community. We would like to provide the following factors to substantiate the aforementioned.

For 7525 Financial Dr, the following loading and unloading procedure and description of trucks are as follows:

1. During regular business hours, there are normally three (3) trucks waiting outside to come in and unload;
2. Ryerson Tull has a fleet of five (5) trucks that are 13 feet high x 8.5 feet wide x 58 feet in length that are hooked to trailers and six (6) trucks that are 13 feet high x 8.5 feet wide x 69 feet in length that are hooked to trailers;
3. During after-hours, all eleven (11) trucks are expected to be parked outside with their trailer attached for immediate deployment at the start of the next business day;
4. All trucks are usually back at the facility by 5:00 pm and leave the premises at 7:00 am the next morning.



**Page 2**  
**7525 and 7535 Financial Dr.**  
**Brampton**

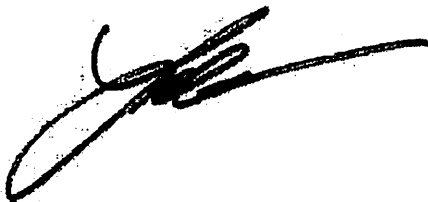
For 7535 Financial Dr, the following loading and unloading procedure and description of trucks are as follows:

1. During regular business hours, there are typically 2-3 trailers in the lot and upwards of five (5) trucks that come on site to load or unload along the course of the day;
2. Trailers are 53-foot box plus regular truck
3. After hours, there could be up to three (3) trailers only left on site. No trucks should be in the lot (unless a truck shows up early before the warehouse team gets there)
4. After hours parking would be considered after 5:30pm throughout the night until 07:30 am (that's when the warehouse team starts)

Should you have any questions or concerns pertaining to them above, please do not hesitate to contact our office. Thank you.

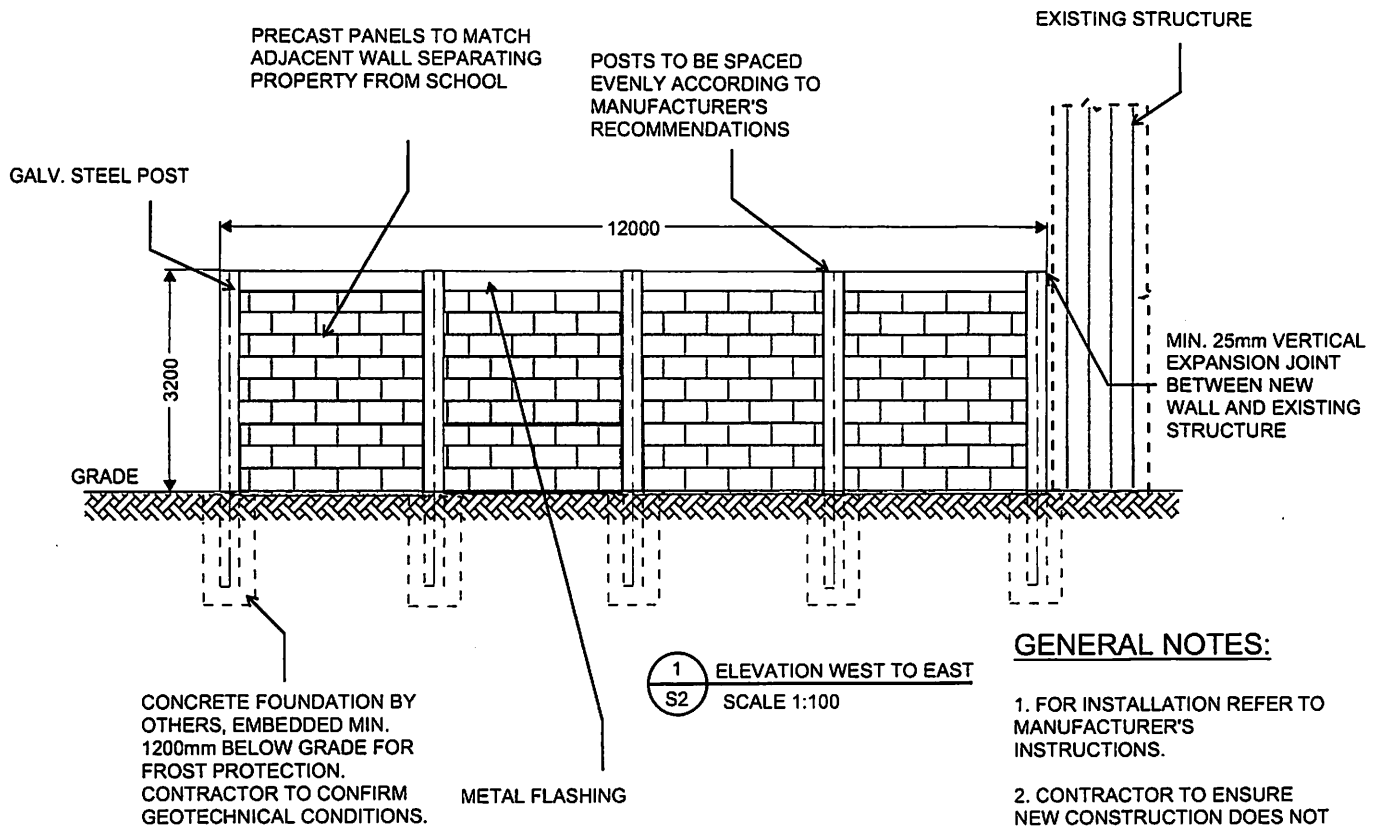
Yours truly,

**SG&M Architects**



Lawrence Malek, M. Arch., OAA, RAIC, Principal

cc. Sath Nathan- Ehvert



### GENERAL NOTES:

1. FOR INSTALLATION REFER TO MANUFACTURER'S INSTRUCTIONS.
2. CONTRACTOR TO ENSURE NEW CONSTRUCTION DOES NOT DISTURB EXISTING STRUCTURE. EXISTING STRUCTURAL DRAWINGS WILL BE MADE AVAILABLE.



580 - NOISE BARRIERS OPSS 580INDEX580.1 GENERAL

- 580.1.1 Noise Barrier Design Elements
- 580.1.1.1 Wind-Load Designs
- 580.1.1.2 Sound-Absorptive Barriers
- 580.1.1.3 Noise Barrier Colour, Pattern and Texture
- 580.1.2 Grading
- 580.1.3 Noise Barrier Footings
- 580.1.4 Barriers on Structures
- 580.1.5 Noise Barrier Fire Hose Access
- 580.1.6 Traffic Protection
- 580.1.7 Tender Items
- 580.1.8 Specifications
- 580.1.9 Special Provisions
- 580.1.10 Standards

580.2 COMPUTATION

- 580.2.1 (Install and Remove) Noise Barriers, Noise Barriers including Precast Noise/Traffic Barrier, Noise Barriers on Structures, Precast Noise/Traffic Barrier, Salvageable Noise Barrier, Salvageable Noise Barrier Including Precast Noise/Traffic Barrier
- 580.2.1.1 Source of Information
- 580.2.1.2 Method of Calculation
- 580.2.2 Noise Barrier Fire Hose Access

580.2.2.1 Source of Information

580.2.2.2 Method of Calculation

580.3 DOCUMENTATION

580.3.1 (Install and Remove) Noise Barriers, Noise Barriers including Precast Noise/Traffic Barrier, Noise Barriers on Structures, Precast Noise/Traffic Barrier, Salvageable Noise Barrier, Salvageable Noise Barrier Including Precast Noise/Traffic Barrier

580.3.2 Noise Barrier Fire Hose Access

580.4 CONTRACT DRAWINGS

580.4.1 Conventional Contracts

580.4.1.1 Plan

580.4.1.2 Profile

580.4.1.3 Typical Sections and Details

580.4.1.4 Quantity Sheets

580.4.2 No-Plans Contract Format

580 - NOISE BARRIERS OPSS 580

580.1 GENERAL

Designs for noise barriers, salvageable noise barriers and precast noise/traffic barriers are developed by the private sector in accordance with the Ontario Highway Bridge Design Code (OHBDC) and the Ministry's acoustical and material requirements. When a manufacturer's design is approved by the Ministry, the manufacturer and his product description are added to the "Designated Sources for Materials" (DSM) Manual.

The tender package should be prepared in a manner so as to permit the Contractor to select the appropriate pre-approved design from the various products in the DSM Manual. Since design drawings are prepared by the manufacturers, standard drawings are not included in contract packages. It is the responsibility of the Contractor to approach the manufacturer to determine the suitability and



details of any particular manufacturer's noise barrier and precast noise/traffic barrier designs. Copies of the approved drawings are available from the Surveys and Design Office, Highway Planning and Design Development Section for MTO design purposes only. These copies must be held in confidence as they detail pro-proprietary designs.

Upon notification from the Construction Office of the noise barrier design selected by the Contractor, Highway Planning and Design Development Section should be requested to forward copies of the approved drawings to the Construction Office for the purpose of supervising the contract. The shop drawings submitted by the Contractor are to be reviewed and signed by the designer, Regional Planning and Design, then returned to the Construction Office. The pre-approved manufacturers' drawings and shop drawings then become part of the contract package.

#### 580.1.1 Noise Barrier Design Elements

For details of design options, refer to the Designated Sources for Materials Manual or contact Surveys and Design Office, Highway Planning and Design Development Section.

##### 580.1.1.1 Wind Load Designs

Noise barrier designs are based on reference wind pressures as described in the OHBDC. Regional Structural Section should be requested to provide the reference wind pressure for a 25 year return for specific project areas.

The appropriate design wind load and its respective area or city must be specified in the standard special provision for noise barriers.

##### 580.1.1.2 Sound-Absorptive Barriers

The sound absorbency of a noise barrier is represented by a Noise Reduction Coefficient (N.R.C.) defined as the fraction of sound energy absorbed by the wall. The N.R.C. for each design is indicated on the pre-approved drawings. Ministry-approved sound-absorptive noise barriers must have a minimum N.R.C. of 0.55.

Acoustical Design Advice Reports for Noise Barriers, prepared by the Central Region, Planning and Design, Environmental Unit, will contain recommendations for reflective barriers or for single or double-sided soundabsorptive barrier material on a project specific basis. These recommendations must be specified in the standard special provision for noise barriers.

##### 580.1.1.3 Noise Barrier Colour, and Texture

The number of colours, texture and their proportions of the overall noise barrier area will be supplied by the Maintenance Operations Office and must be specified in the standard special provision.

580.1.2 Grading

Minor earth grading (cut and fill) of up to 0.3 m in vertical dimension must be included, as part of the noise barrier item. For earth grading requirements greater than 0.3 m in depth, the full depth of grading shall be provided under the earth excavation item.

All grading in rock shall be included under the item for rock excavation.

580.1.3 Noise Barrier Footings

Regional Geotechnical Section will, upon request, evaluate the sub-surface conditions along the barrier alignment and provide bore hole data and soil design parameters to a depth equal to the height of the noise barrier. The bore hole data must be included in the contract drawings. The rock line, based on the summary of bore hole logs, must be shown on the profile drawings. The related soil design parameters must be described in the standard special provision for noise barriers and defined by stations.

i.e.

Sta to StaSoil Design ParameterEast Bound Lane

17 + 320 to 17 + 790 (shoulder)       $\phi = 28^\circ$

West Bound Lanes

|                                 |                        |
|---------------------------------|------------------------|
| 17 + 100 to 17 + 600 (ROW)      | $\phi = 28^\circ$      |
| 17 + 600 to 17 + 720 (ROW)      | $C_u = 12 \text{ KPa}$ |
| 17 + 700 to 18 + 050 (shoulder) | $\phi = 28^\circ$      |

In areas where unsuitable soils, shale, rock, non level ground surface (slopes) or high water table are encountered, Regional Geotechnical Section will provide special instructions for the installation of footings.

In some instances, these conditions may not be detected by standard soils investigations. For these situations, the standard special provision details alternative methods available for the installation of footings under these conditions (Force Accounts).

580.1.4 Noise Barriers on Structures

A separate tender item is required for noise barriers on structures.



When a noise barrier is to be mounted on or within 6 m of a structure (bridge, culvert or retaining wall), Regional Structural Section must be notified and, upon request, will determine the bearing capacity of the structure and specify the maximum barrier height and barrier materials allowed. Drawings showing typical mounting details on the structure will be provided by the Regional Structural Section for inclusion in the contract package.

The Contractor should be provided with all required structure mounting information and special footing treatment through the typical and project specific drawings in the contract, and special provisions prepared by the Regional Structural Section.

#### 580.1.5

##### Noise Barrier Fire Hose Access

A separate tender item is required for Noise Barrier Fire Hose Access!

Noise barrier contracts shall, when warranted, include the installation of fire hose access openings and associated signs. Regional Planning and Design Section will establish locations for the fire hose access openings in cooperation with the local fire department(s).

The fire hose signs which are supplied by the Ministry, must be mounted on the highway and residential sides of the barrier. All sign numbers must be referenced to the official kilometre posts on the highway.

When fire hose access openings are to be installed a standard special provision must be included in the contract.

#### 580.1.6

##### Traffic Protection

Noise barriers are considered as roadside obstacles and should be treated as such in accordance with recommendations contained in the "Design Manual for Traffic Barriers, Energy Attenuators, and Light Poles". Any required protection must be detailed under their respective tender items.

In some cases where there is not enough room to install a separate noise barrier and a traffic barrier, it may be desirable to install a noise barrier on top of a traffic barrier. A special Precast Concrete Noise/Traffic Barrier has been developed to meet this need and should be used exclusively when combining the two facilities. No other methods are acceptable. For details of this product's application, contact the Surveys and Design Office, Highway Planning and Design Development Section. The alignment of the approach sections to the noise barrier including precast Noise/Traffic Barriers must be designed in accordance with the requirements contained in the Standard Drawings for Concrete Barrier Shoulder Installation and End Treatment as well as the recommendations in the "Design Manual for Traffic Barriers, Energy Attenuators and Light Poles". These approach units must be of the same design as the ones used for the combined Noise/Traffic Barrier installation.

A separate item is required for Noise Barrier including Precast Noise/Traffic Barrier and Precast Noise/Traffic Barriers.

## 580.1.7

Tender Items

The tender items associated with Noise Barriers are as follows:

1. ... m Noise Barrier\*
2. ... m Noise Barrier including Precast Noise/Traffic Barrier\*
3. ... m Noise Barrier on Structures\*
4. Precast Noise/Traffic Barrier
5. ... m Salvagable Noise Barrier\*
6. ... m Salvagable Noise Barrier including Precast Noise/Traffic Barrier\*
7. Noise Barrier Fire Hose Access
8. Remove ... m Noise Barrier\*
9. Remove ... m Noise Barrier including Noise/Traffic Barrier\*
10. Remove Noise/Traffic Barrier

\*Each height of noise barrier requires a separate tender item (e.g. 2 m, 3 m, 4 m, or 5 m). See Tender Items Master File (CPS).

## 580.1.8

Specifications

Requirements for the above tender items are covered by special provisions. OPSS 580 is not published.

## 580.1.9

Special Provisions

The designer should refer to Chapter "E" of this Manual to review the applicable standard special provisions.

## 580.1.10

Standards

1. Noise Barriers, Salvageable Noise Barriers and Precast Noise/Traffic Barriers.

Design drawings are prepared by the various manufacturers of noise barriers, salvageable noise barriers and noise/ traffic barriers and therefore are not included in the contract package prior to award.

2. Noise Barrier Fire Hose Access

Standard drawings are contained in Series 900 of the "Ontario Provincial Standard Drawings" Manual.

**580.2**                    **COMPUTATION**

Tender items for all Noise Barrier items are Plan Quantity Payment Items.

**580.2.1**                (Install, Remove and Salvage)

- Noise Barriers,
- Noise Barrier including Precast Noise/Traffic Barrier,
- Noise Barriers on Structures,
- Precast Noise/Traffic Barrier
- Salvageable Noise Barrier
- Salvageable Noise Barrier including Precast Noise/ Traffic Barrier

**580.2.1.1**            **Source of Information**

In order to establish the horizontal barrier alignment upon which the computed quantities are based, major sources of information available to the designer include the following.

Central Region, Planning and Design, Environment Unit, provides Acoustical Design Advice Reports for Noise Barriers. The information supplied includes the acoustical recommendations of the barrier material, the recommended height and approximate alignment of the noise barrier which will provide the most cost-effective attenuation of traffic noise. The recommended height of the noise barrier is assumed to be from the original ground line along the barrier alignment unless otherwise specified.

Regional Geotechnical Section provides bore hole data, a description of subsurface conditions and soil design parameters along the barrier alignment.

Regional Structural Section upon request provides existing structure details, design recommendations for noise barriers mounted on or within 6 m of structures and typical mounting and/or footing detail drawings related to these conditions.

Regional Surveys and Plans Section upon request will provide B-plans, ETR plates, "as constructed" plans, and field survey notes as needed.

**580.2.1.2**            **Method of Calculation**

The basic unit for the computation of quantities is the metre. Quantities are determined from the plans, along the horizontal barrier alignment.

Stepping of the noise barrier panels at termination points, will be calculated as part of the adjoining barrier as if there were no difference in height. When it is necessary to make a transition from one barrier height to another, the length of barrier involved in accomplishing the transition is calculated as part of the higher barrier.

Quantities for 'Noise Barriers on Structures' are computed along the horizontal barrier alignment between the end posts connected to the structure wall.

Quantities for "Noise Barrier including Precast Noise/ Traffic Barrier" are computed along the horizontal alignment between, but not including the Precast "Noise/ Traffic Barrier" approach treatment and any traffic barrier termination treatment required as well as any areas which may only require the "Precast Noise/Traffic Barrier" without a noise barrier mounted on top of it. A separate item must be included for these traffic barrier treatments.

## 580.2.2 Noise Barrier Fire Hose Access

### 580.2.2.1 Source of Information

Regional Planning and Design Section will establish locations for the fire hose access openings in co-operation with the local fire department(s).

### 580.2.2.2 Method of Calculation

The basic unit for the computation of quantities is "each".

## 580.3 DOCUMENTATION

### 580.3.1 (Install, Remove and Salvage)

- Noise Barriers,
- Noise Barrier including Precast Noise/Traffic Barrier, - Noise Barriers on Structures,
- Precast Noise/Traffic Barrier
- Salvageable Noise Barrier
- Salvageable Noise Barrier including Precast Noise/ Traffic Barrier

Quantities are entered on a Quantity Miscellaneous Sheet on a station to station basis by location and offset for each change in the horizontal alignment of the barrier. Stations and calculated quantities are recorded in whole numbers. Offsets, from a well-defined line, such as the centreline, curb, retaining wall, or edge of pavement, are entered to the nearest tenth of a metre.

A separate column is required for each tender item. Each column is totalled and the total transferred to the tender form with the proper item description, unit and specification entry.

### 580.3.2 Noise Barrier Fire Hose Access



Each fire hose access opening is entered on a Quantity Miscellaneous Sheet by station, location and by the fire hydrant sign number (km). Stations are recorded in whole numbers. Fire hydrant sign numbers, which are based on official highway kilometre posts, are recorded to the nearest 50 metres.

The item is totalled and the total transferred to the tender form along with the proper item description, unit and specification entry.

## 580.4

CONTRACT DRAWINGS

Noise barrier location and construction details are to be provided in the contract drawings through plans, profiles, typical sections/drawings, details and quantity sheets. Soils information consisting of a summary of bore hole logs, must be included for all ground-mounted noise barriers.

## 580.4.1

Conventional Contracts

## 580.4.1.1

Plan

Noise barriers, noise barriers including precast noise/ traffic barriers and salvageable noise barriers are represented on the plan view by a distinctive prominent line for each type of barrier with appropriate labels defining the type and height of the noise barrier.

In order to define the exact location of the barrier, the following information must be shown on the drawings:

- barrier limits, identified by stations, and
- intermediate barrier section ends and changes in the horizontal alignment of the barrier defined by stations and offsets (offsets, in metres, shown from a well defined line such as the centreline, edge of pavement, curb or structure)

## 580.4.1.2

Profile

Profiles of the top and base of the noise barrier must be shown on the profile view with the barrier limits defined by stations.

A. Ground-Mounted Noise Barriers

For ground-mounted applications, the following information must be shown:

- original ground line,
- rock line (where applicable),
- bottom-of-barrier profile showing the station and elevation at each barrier section end and break point, as well as the percent gradient between break points,
- top-of-barrier profile,
- where applicable, a profile inset for any section of barrier perpendicular to the control line,
- the elevation control line used to regulate the barrier elevation, where applicable (e.g. the edge of pavement, or high elevation of pavement), and
- bore hole data identified by station and offset from a well-defined line such as the centreline, curb, structure, or edge of pavement.

The noise barrier type and height must be indicated. Stepping required to maintain barrier height, horizontal panel position along a gradient transition and end treatments must not be shown on the profile.

#### B. Noise Barriers on Structures

For noise barriers mounted on a structure (bridge, culvert or retaining wall), the profile view must show the top of the noise barrier and details of the structure. Barrier height must be indicated.

The profile of the structure barrier wall or retaining wall must show the station and elevation at each break point and at each end of the structure. The percent gradient between break points must be indicated.

#### 580.4.1.3

##### Typical Sections and Details

Typical sections are often necessary in noise barrier contract drawings to provide details on:

- grading details,
- design features of earth berms and the installation of noise barriers along these berms,

- topsoil, seeding/sodding, or paving requirements adjacent to noise barriers,
- drainage details (ditches, culverts, ditch inlets, subdrains),
- the installation requirements for noise barriers in close proximity to utilities, chain link security fences, and traffic barriers.
- installation of traffic barriers.

Special footings, mounting of noise barriers on structures, termination of noise barriers at existing conditions, etc. are shown in typical drawings and details.

Regional Structural Section will, on request, provide typical and project specific drawings, for inclusion in the contract, showing mounting details for noise barriers on structures. Additional instructions will be shown on the drawings for special mounting requirements such as:

- use of non-standard anchorage devices,
- requirements regarding posts and restrictions on post layouts, and

#### 580.4.1.4

##### Quantity Sheets

The entry of quantities for all noise barrier items on the Miscellaneous Quantity Sheets is described in Chapter F.

#### 580.4.2

##### No-Plans Contract Format

The use of the no-plans contract format is not recommended for noise barrier projects.



*Durisol*®

DURISOL.COM

# DURISOL® NOISE BARRIERS PRODUCT GUIDE

SOUND-ABSORPTIVE WALLS MADE OF PRECAST  
DURISOL® MATERIAL

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40+ YEAR SERVICE LIFE

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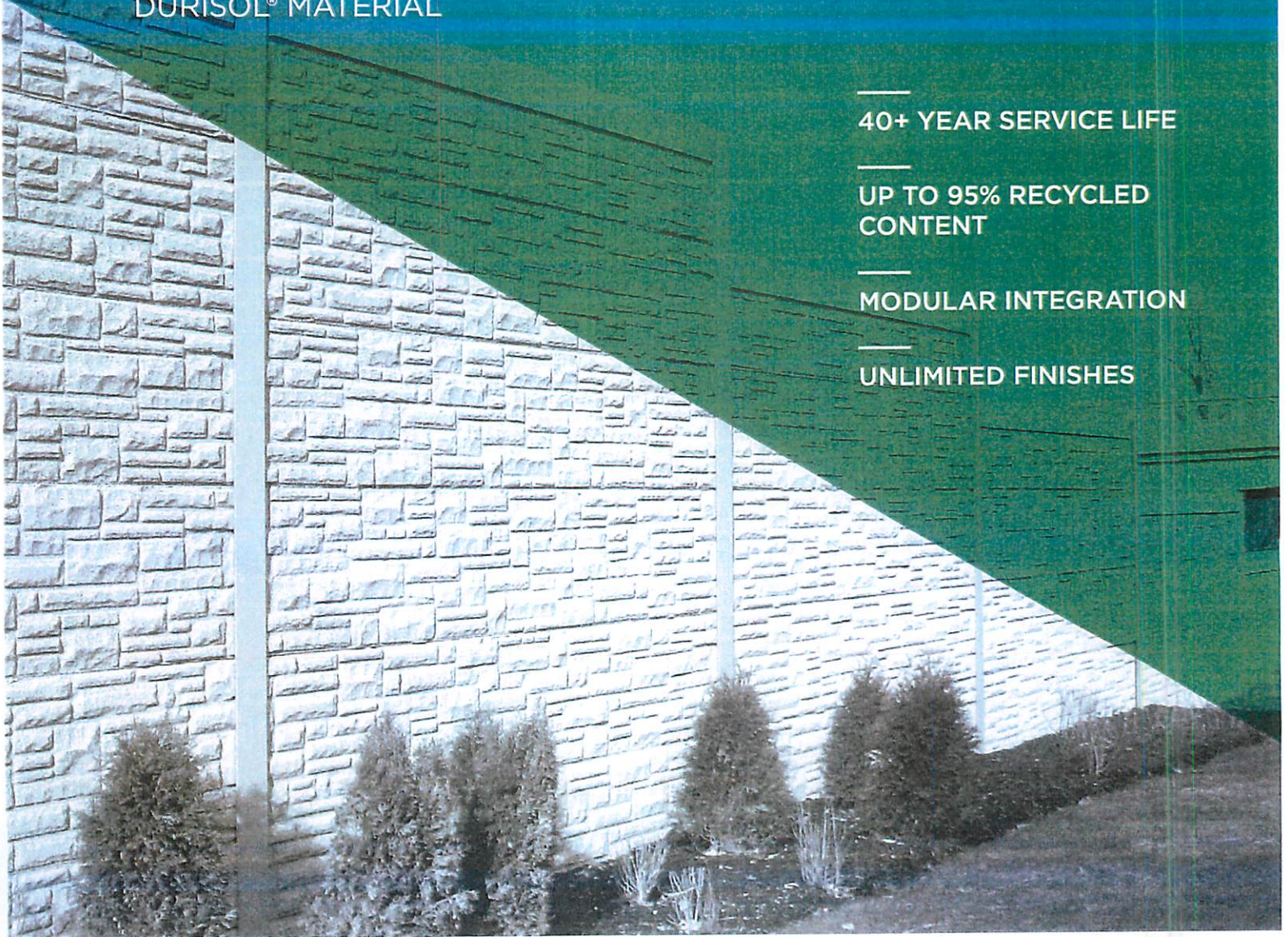
UP TO 95% RECYCLED  
CONTENT

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MODULAR INTEGRATION

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UNLIMITED FINISHES



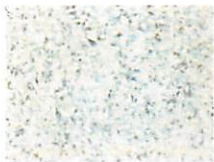


Durisol® is the proprietary name of a durable, lightweight and cementitious composition. It is made of chemically neutralized and mineralized organic softwood shavings which are specially processed to an acoustically engineered size and are bonded together under pressure with Portland cement.

The material is sound-absorbent, noncombustible, vermin and rot proof. Durisol® is self-draining and highly resistant to weather exposure including: freeze-thaw, road de-icing chemicals and fungicides.

All Durisol® noise barrier systems are engineered in house, specifying the size for posts and the depth and diameter of footings. Standard steel posts or optional concrete posts can be accommodated.

## STANDARD COLOURS



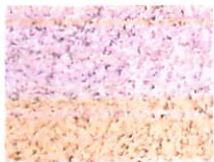
1004B NATURAL



1082D TAN



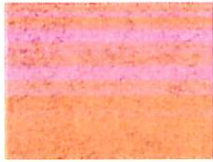
1538B GREY



02589 TAN



09187 GREY



11988 BROWN

\*Use this palette as a guide only. Durisol's absorptive texture will offer a different more three dimensional look. It should also be noted that wall colours will vary during the day as they go from sun to part-sun to shade.

## TYPICAL APPLICATIONS

- Roads and highways
- Bridges
- Acoustic enclosures
- Wind farms
- Hydro stations
- Residential developments
- Industrial and Commercial sites

## PRODUCT FEATURES

- Lightweight
- Absorptive
- Noncombustible
- Vermin and rot proof
- Thermally insulating
- Freeze-thaw resistant



Search for us on the  
**How It's Made YouTube**  
**channel.**





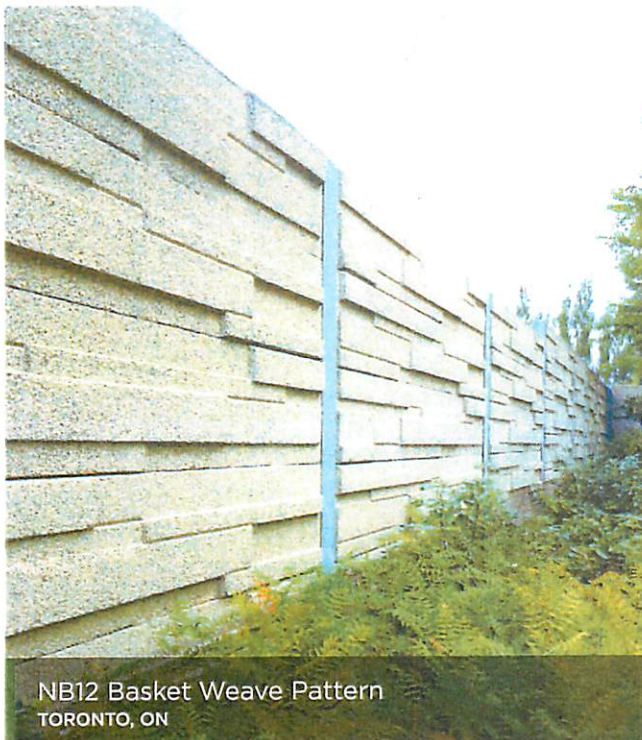
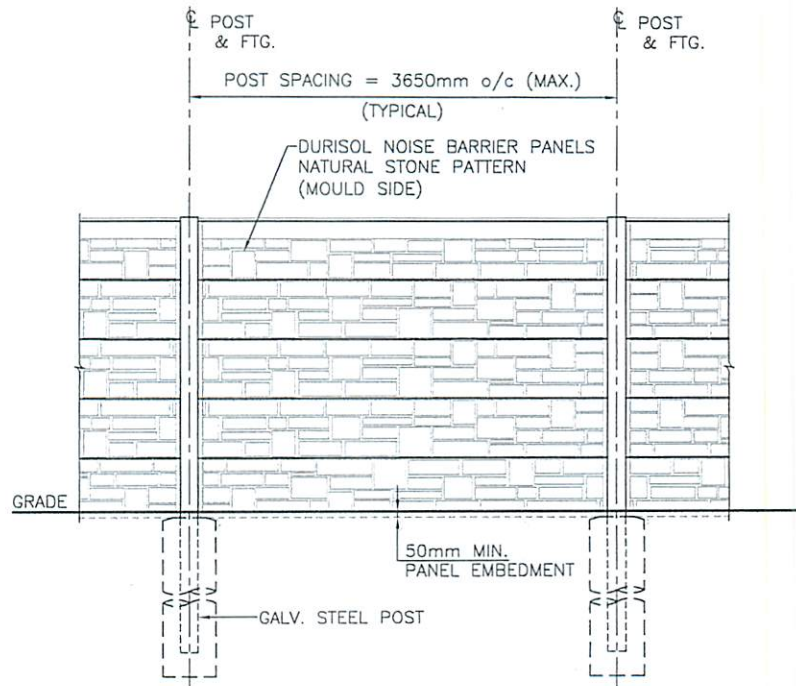
## NB12 SYSTEM

The NB12 is a post and precast panel noise barrier system with standard centre-to-centre post spacing being 12ft (3.65m). The NB12 system can be engineered for wall heights up to 33ft (10m) or more. Panels are a standard 12ft (3.65m) long by 20in (0.5m) high.

The standard NB12 panel system is sound absorptive on both sides with an optional integrated traffic barrier. It can also incorporate single sided absorptive or reflective retaining wall panels or transparent elements.

The NB12 system is flexible in many ways. It is ideal for slope conditions, directional changes, and difficult site access situations. Precast panels can easily be modified for short bays on site.

### Simplified Technical Drawing





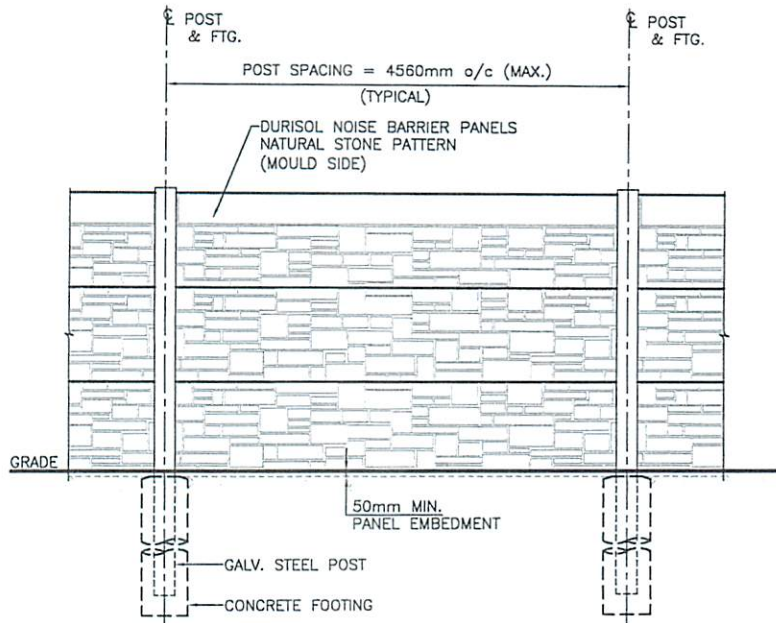
## NB15 SYSTEM

The NB15 is a post and precast panel noise barrier system with standard centre-to-centre post spacing being 15ft (4.57m). The NB15 system can be engineered for wall heights up to 43ft (13m) or more. Precast panels are a standard 15ft (4.57m) long by 18-48in (0.46-1.22m) high.

The standard NB15 system is noise absorptive on one or both sides. It can also incorporate transparent elements, and integrated retaining wall panels.

The NB15 system offers 20% fewer posts than the NB12 system, which can result in meaningful cost savings depending on soil conditions and other required wall system elements.

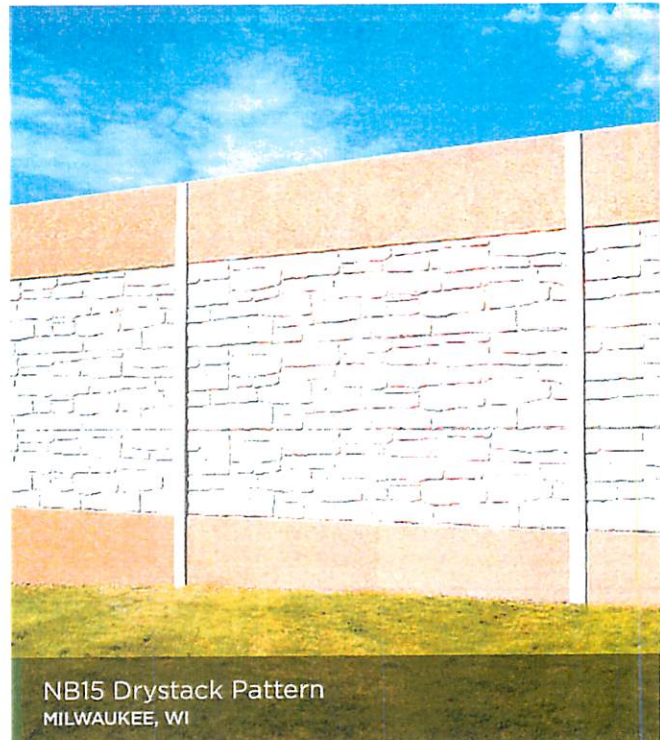
Simplified Technical Drawing



Durisol's NB15 system offers a **Durisol® FireStop System** - for more information, check out our **Utility Enclosures & Fire Rated Barriers Brochure**.



NB15 FireStop System



NB15 Drystack Pattern  
MILWAUKEE, WI



## NB24 SYSTEM

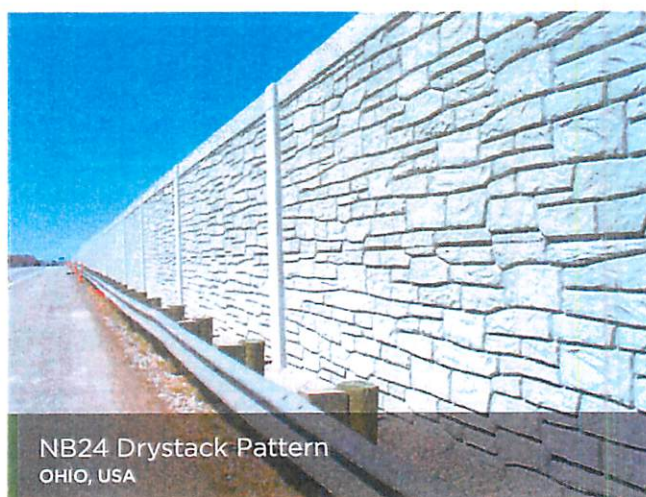
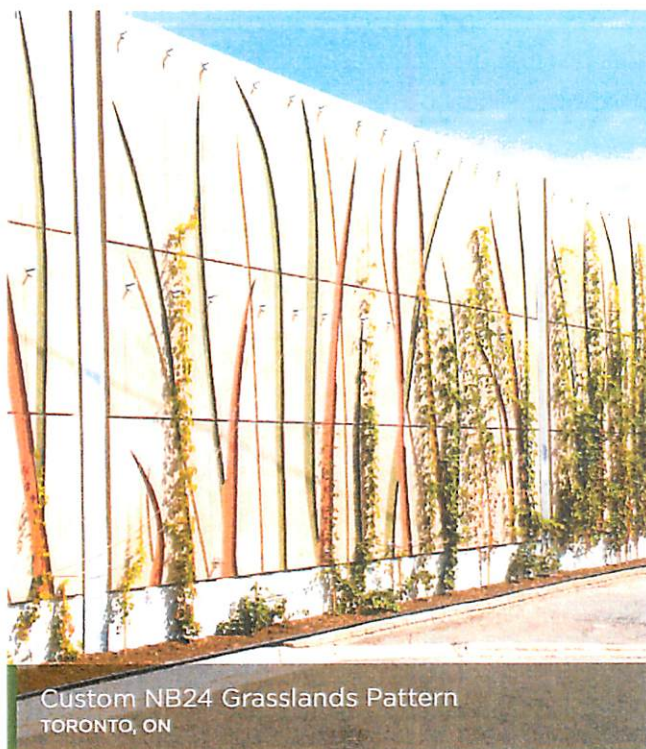
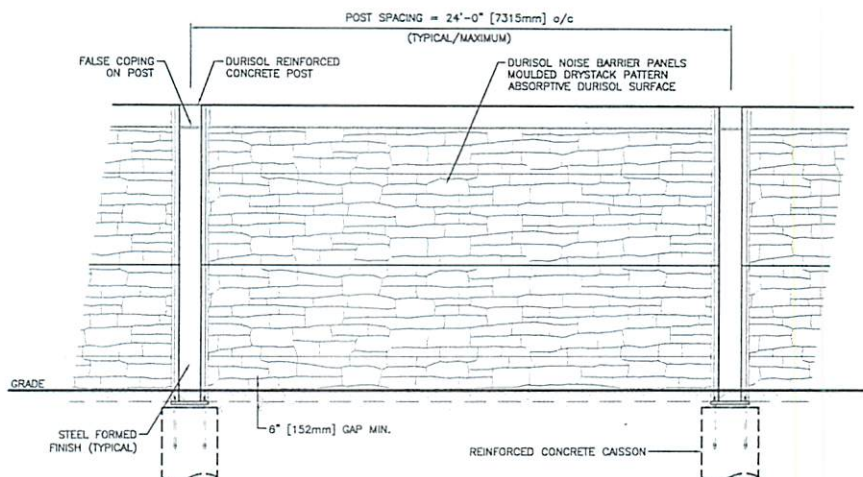
The NB24 is a post and precast panel noise barrier system with customized bay spacing allowing for posts to be spaced up to 24ft (7.3m) centre-to-centre. Precast posts are standard option with wide flange HDG steel posts.

The NB24 system can be engineered for wall heights up to 36ft (11m) or more. Custom precast panels are available up to 24ft (7.3m) long by 84in (2.2m) high.

The NB24 system has noise absorptive on one side. It can also incorporate transparent elements, and integrate retaining wall panels. The NB24 system offers the longest post spacing of Durisol's systems which can result in meaningful cost savings depending on soil conditions and other required wall

The NB24 system is ideal for long straight runs of wall with minimal sloping grades where noise absorption is not required on one side of the wall.

### Simplified Technical Drawings





## ACCESSORIES

With over 40 years of experience designing and manufacturing highway noise barrier systems, Durisol has developed an impressive range of accessories and custom designs. Designers and owners may select from a wide variety of functional and aesthetic options to enhance the utility and attractiveness of their wall system.

Durisol has a large design and engineering group in-house who can assist in developing a customized design to suit the needs of any project. This includes creating new designs and accessories to meet the requirements of the project. The standard high quality and high definition finishes can be customized to suit unique applications.

### POST ACCESSORIES



**NOTE:**

1. Pier Caps / 2. Piers / 3. End Caps / 4. Post Facings

### OPTIONAL ACCESSORIES

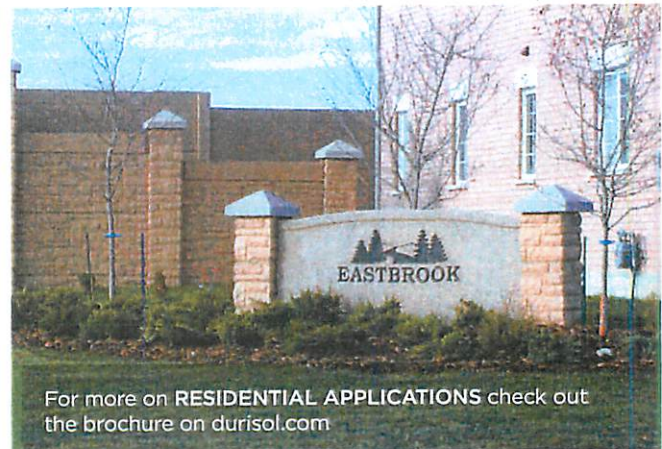
In addition to Durisol's wide range of standard textures and patterns, custom systems can be developed to suit almost any aesthetic or functional requirement. Durisol's experienced in-house team of engineers and professionals can assist designers, specifiers and owners at the project design stage to develop a custom solution where required.

Some of the most common accessories include:

- Vehicle access gates
- Man doors
- Drainage openings and grates
- Fire hose access openings
- Flood control panels
- Pedestrian walkway entrances
- Custom feature sign
- Painted posts



Vehicle Access Gate



For more on **RESIDENTIAL APPLICATIONS** check out the brochure on [durisol.com](http://durisol.com)



\*Use this palette as a guide only. Durisol's absorptive texture will offer a different more three dimensional look. It should also be noted that wall colours will vary during the day as they go from sun to part-sun to shade.

## PATTERNS AND TEXTURES

Production times may vary based on patterns and availability of moulds. Durisol also offers custom patterns - please contact us for your custom pattern inquiries.

MOULD SIDE

LID SIDE

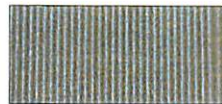
NB12



PLAIN FLAT



NATURAL STONE



RIB



OTTAWA FLUTE



FLUTE



BASKET WEAVE



TRIPLE SPLIT



SINGLE SPLIT



VERTICAL SPLIT

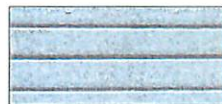
NB12



PLAIN FLAT



VERTICAL SPLIT



TRIPLE SPLIT



SINGLE SPLIT



ASHLAR BLOCK



ASHLAR 2 BLOCK

NB15



PLAIN FLAT



NATURAL STONE



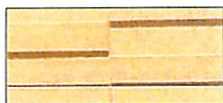
DRystack



SHIPLAP



LEDGE STONE



BOARD PATTERN



VERTICAL SPLIT



DOUBLE SPLIT



SINGLE SPLIT



5 SPLIT



RIB

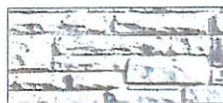


BASKET WEAVE

NB15



PLAIN FLAT



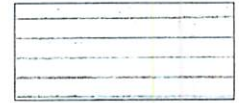
NATURAL STONE



SINGLE SPLIT



DOUBLE SPLIT



5 SPLIT



VERTICAL SPLIT



DRystack

NB24



PLAIN FLAT



NATURAL STONE



RIB



DRystack

NB24



ROLLED ASHLAR

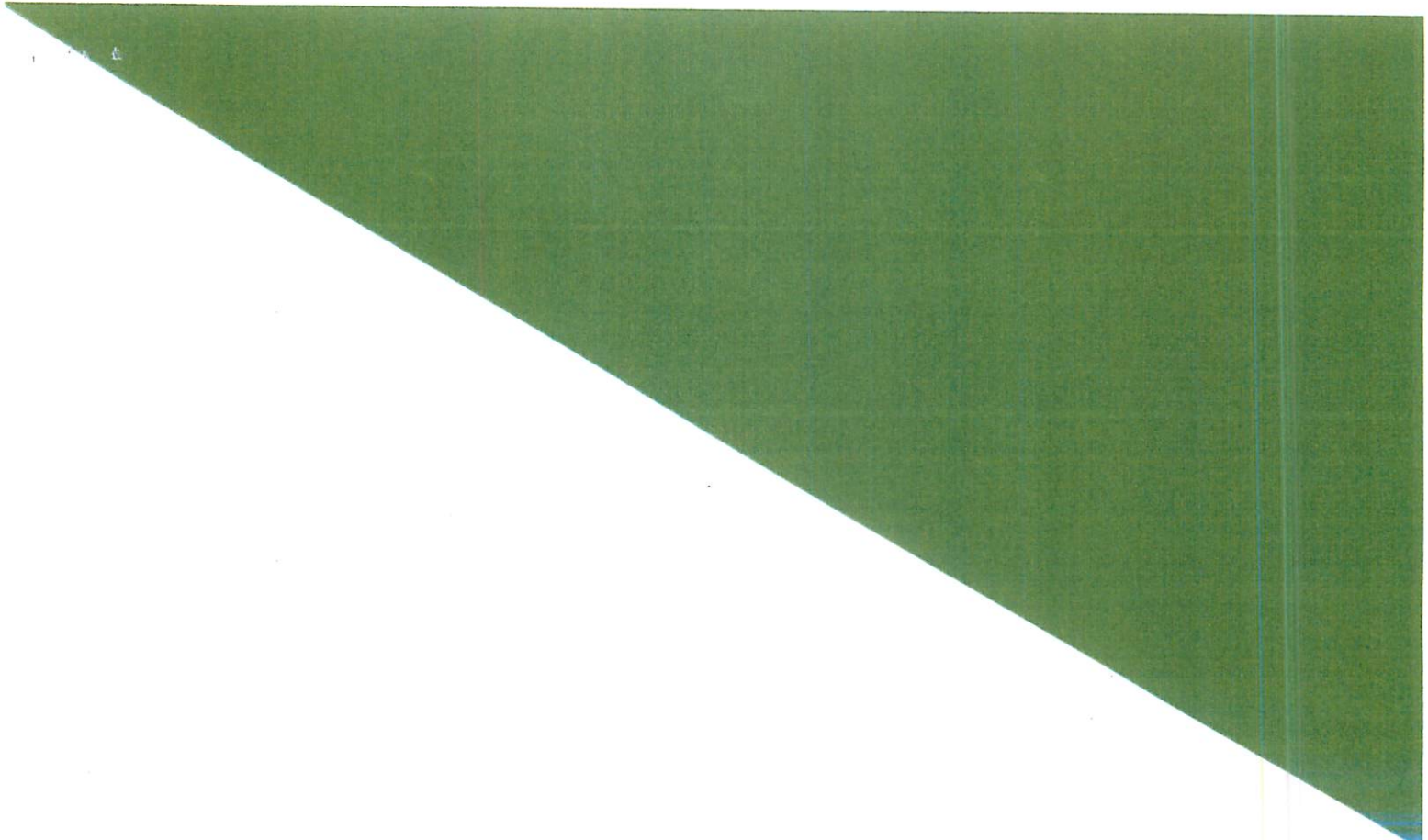


ROLLED DRystack



ROLLED BRICK





Get our team working on your next noise barrier system today! We have design specialists throughout the US and Canada that can help you realize your vision.

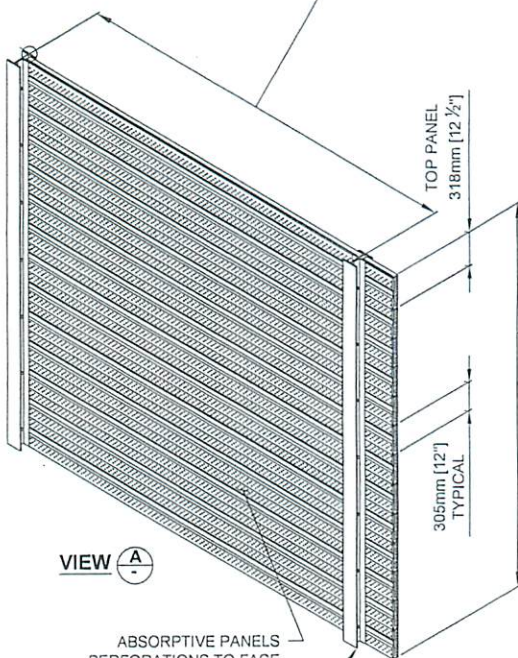
**Contact Durisol.**



Durisol® is the market leader in the noise barrier wall industry. We manufacture and supply a series of unique panel and post wall systems - including our Durisol® precast sound absorption panels and transparent ACRYLITE® Soundstop sheets, as well as narrow footprint retaining walls and fire-rated barriers. Our first noise barriers were installed in Canada in 1977 and in the US in 1986 and are all still in service today. With over 40+ million square feet of wall installed to date, Durisol® noise barriers stop the noise of industrial warehouses, utility enclosure sites and urban infrastructure of all kinds right across North America.

**289-975-4402 | [DURISOL.COM](http://DURISOL.COM)**

MAXIMUM POST CENTRES 4267mm (14'-0")



ABSORPTIVE PANELS  
PERFORATIONS TO FACE  
NOISE SOURCE

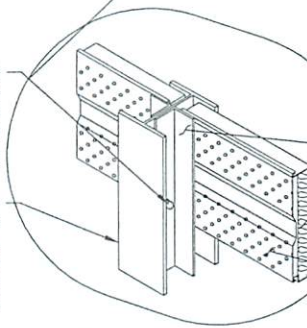
REF DRAWING SSD - 1  
TYPICAL FOUNDATIONS  
FOR STANDARD  
FOUNDATION TYPES.

WALL  
HEIGHT PER  
CLIENT  
(305mm [12"]  
INCREMENTS

WALL LENGTH PER CLIENT.  
MAXIMUM POST CENTRES 4267mm [14'-0"]  
POST SIZE AND SPACING  
DETERMINED BY WALL SIZE, SOIL  
CONDITIONS, DESIGN CODE AND WIND LOADS.  
TO BE ENGINEERED

RETAINING  
ANGLE  
FASTENERS  
SPACED ON  
600mm [23 5/8"]  
CENTRES

POST-  
SIZE DETERMINED  
BY WALL SIZE, SOIL  
CONDITIONS, DESIGN  
CODES AND WIND LOADS  
TO BE ENGINEERED



PANEL RETAINING  
ANGLES

50mm [2"] THICK MINERAL WOOL

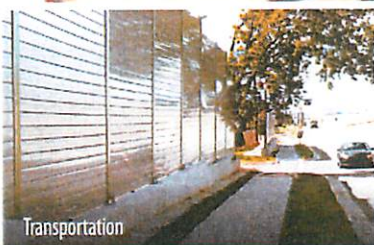
SILENT SCREEN PANELS  
PERFORATIONS TO FACE  
NOISE SOURCE

|      |             |           |    |  |  |   |  |  |  |  |  |
|------|-------------|-----------|----|--|--|---|--|--|--|--|--|
|      |             |           |    | <p><b>PROPRIETARY AND CONFIDENTIAL</b><br/>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE SOLE PROPERTY OF SILENTIUM GROUP. ANY REPRODUCTION IN WHOLE OR PART WITHOUT THE WRITTEN PERMISSION OF SILENTIUM GROUP IS PROHIBITED</p> |  |  <p>100 EAGLE ST N SUITE 402    PHONE-866-611-6044<br/>CAMBRIDGE ONTARIO N3H 5T8    FAX- 866-402-0580<br/>inquires@silentiumgroupco.com    www.silentiumgroupco.com</p> |  | <p>DRAWING NAME: <b>TYPICAL<br/>ABSORPTIVE SOUND<br/>BARRIER - 4.267m (14'-0")</b></p> <p>DRN BY: BW    CHK'D BY: BW    SCALE: NTS<br/>DATE: APR/16/15    REVISION: <b>A</b></p> |  | <p>DRAWING NUMBER:<br/><b>SSD - 2</b></p> <p>PROJECT NUMBER:</p> |  |
| A    | 1ST RELEASE | APR/16/15 | BV |  |  |   |  |  |  |  |  |
| REV. | DESCRIPTION | DATE      | BY |  |  |   |  |  |  |  |  |



# AIL SOUND WALLS

- ▶ PVC Sound Barrier Wall Systems
- ▶ Lightweight and easy-to-install
- ▶ Lower installed costs
- ▶ Sustainable and maintenance-free



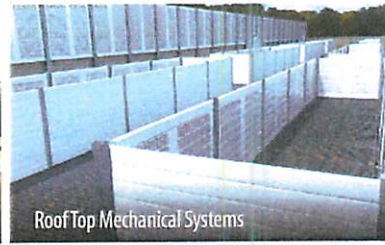
Transportation



Industrial



Commercial



Roof Top Mechanical Systems

ENGINEERED SOUND MITIGATION SOLUTIONS

[ailsoundwalls.com](http://ailsoundwalls.com)

1-866-231-7867



For project planning and assistance call toll-free 1-866-231-7867, or email: [info@ailsoundwalls.com](mailto:info@ailsoundwalls.com)

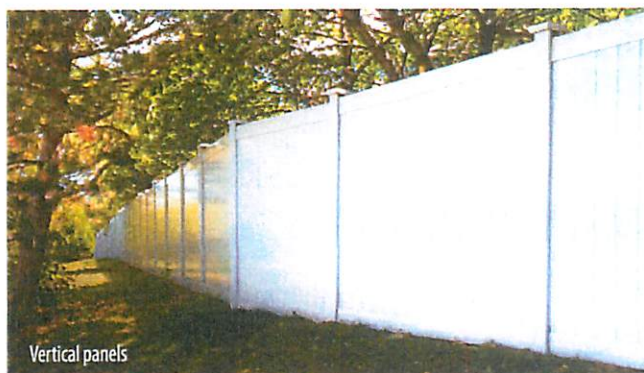


An industry leader in  
sound mitigation.

- ▶ Commercial ▶ Industrial ▶ Institutional ▶ Utilities
- ▶ Roof Top Mechanical Systems ▶ Power Generation ▶ Municipal
- ▶ Highways ▶ Railways ▶ Bridges ▶ Oil & Gas ▶ Water/Wastewater

AIL Sound Walls is a division of AIL and the manufacturer of the Silent Protector® and Tuf-Barrier® sound barrier wall systems for absorptive or reflective applications.

Lightweight, easy-to-install, durable  
and cost-effective PVC sound barrier wall systems.



Vertical panels



Optional woodgrain embossing

Lightweight and easy to install, AIL Sound Walls are engineered for maximum sound reduction of environmental or ambient noise such as traffic, manufacturing, industrial or commercial noise.

Our turn-key solutions include: engineering, manufacturing, project management and site assistance.

- ▶ Meets accelerated test requirements for durability
- ▶ Impervious to rain, snow, ice and sleet
- ▶ Will not rust, rot or stain
- ▶ Maintenance-free
- ▶ Designed to meet applicable design codes (AASHTO, IBC, CSA)
- ▶ Wind load tested for hurricane-force winds





### Silent Protector® (Absorptive)

- ▶ PVC absorptive sound barrier wall system with acoustical mineral wool
- ▶ Noise Reduction Coefficient (NRC) rating of 0.95
- ▶ Absorbs unwanted noise
- ▶ Silent Protector Plus® offers STC 39 and NRC 0.90, ask for details

NOISE REDUCTION  
COEFFICIENT RATING  
**NRC 0.95**

SOUND TRANSMISSION  
CLASS RATINGS UP TO  
**STC 39**  
WITH SILENT PROTECTOR PLUS®

All Sound Walls are made from long-lasting, UV-resistant PVC,  
with the highest percentage of recycled content available.



### Tuf-Barrier® (Reflective)

- ▶ PVC reflective sound barrier wall system
- ▶ Blocks and reflects unwanted noise
- ▶ Tongue and groove interlocking connection
- ▶ Textured finishes available

**EASY-OFF  
GRAFFITI  
AND TAGGING**



## Industrial, Commercial and Institutional

- ▶ Commercial Developments ▶ Hospitals ▶ Schools and Universities
- ▶ Loading Docks ▶ Distribution Facilities ▶ Manufacturing Plants

Noise from large commercial or industrial developments and their associated traffic is one of the most contentious environmental problems for surrounding communities.

Residents are demanding better noise abatement solutions from facilities like shopping centers, manufacturing plants, distribution hubs and utility stations.

AIL Sound Walls provide superior performance for all noise sensitive projects.



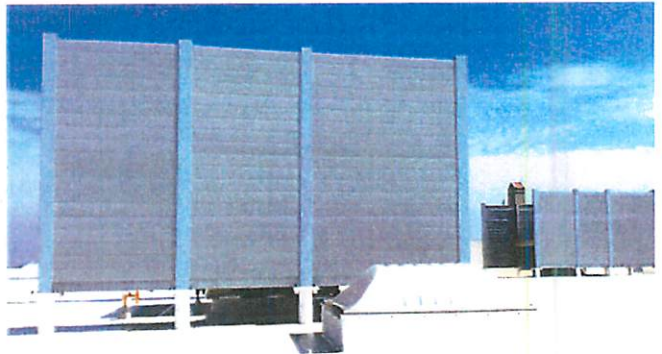
Lightweight AIL Sound Walls are perfect for roof top applications.  
Man-doors and gates are easily integrated.

## Roof Top, Equipment and Machinery Enclosures

- ▶ HVAC Units ▶ Generators ▶ Chillers ▶ Cooling Towers
- ▶ Oil & Gas ▶ Hydro ▶ Compressors ▶ Petro Chemical
- ▶ Sub Stations ▶ Water/Wastewater

The lighter weight of AIL Sound Walls makes them ideal for roof top applications where sound mitigation is needed. The enclosure support system integrates easily with roof structures of both existing and new buildings to deliver effective sound mitigation.

Excessive noise is one of the most common occupational health hazards in today's heavy industrial or manufacturing environments. AIL Sound Walls are often used to mitigate unwanted noise caused by equipment in these types of applications. Transparent panels, utility ports and man-doors can also be integrated to allow access for routine maintenance or emergency repairs with reduced exposure to noise.



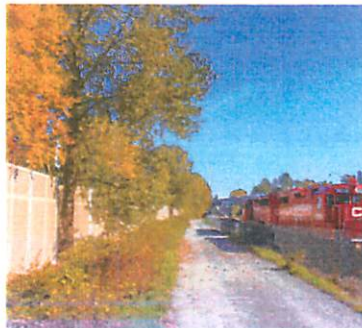


## Transportation

- Highways ► Bridges ► Rail ► LRT
- Airports ► Bus Terminals ► Residential

With their lighter weight, lower installed costs and long-term durability, AIL Sound Walls are a perfect choice to keep the peace in neighborhoods along busy transportation corridors.

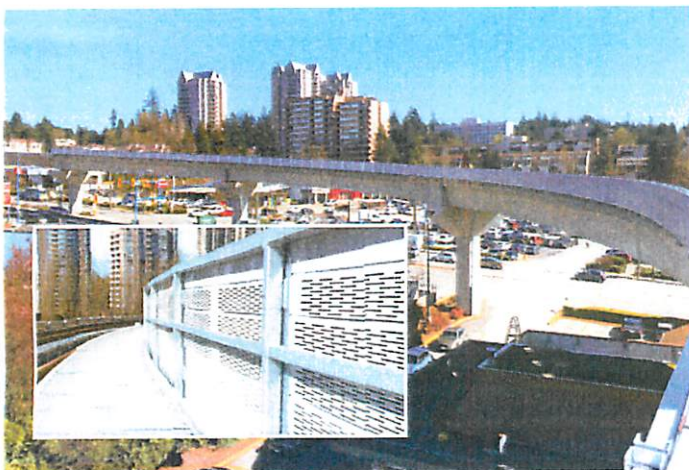
In addition to their excellent sound mitigation properties, AIL Sound Walls can be installed easily on narrow road or rail jobsites and are an efficient land use solution in urban areas. They are also available in a variety of attractive colors and configurations to satisfy important aesthetic considerations.



Maintenance-free AIL Sound Walls are impervious to rain, snow and ice. Plus, they will not rust, rot or stain.

## Structure-Mounted Solutions

AIL Sound Walls are most often ground-mounted on concrete piers, but their light weight makes them ideal to mount to various types of structures such as concrete traffic barriers, bridge rail systems or MSE wall systems, including AIL Vist-A-Walls™. Our in-house engineering capability with multiple systems ensures project success.

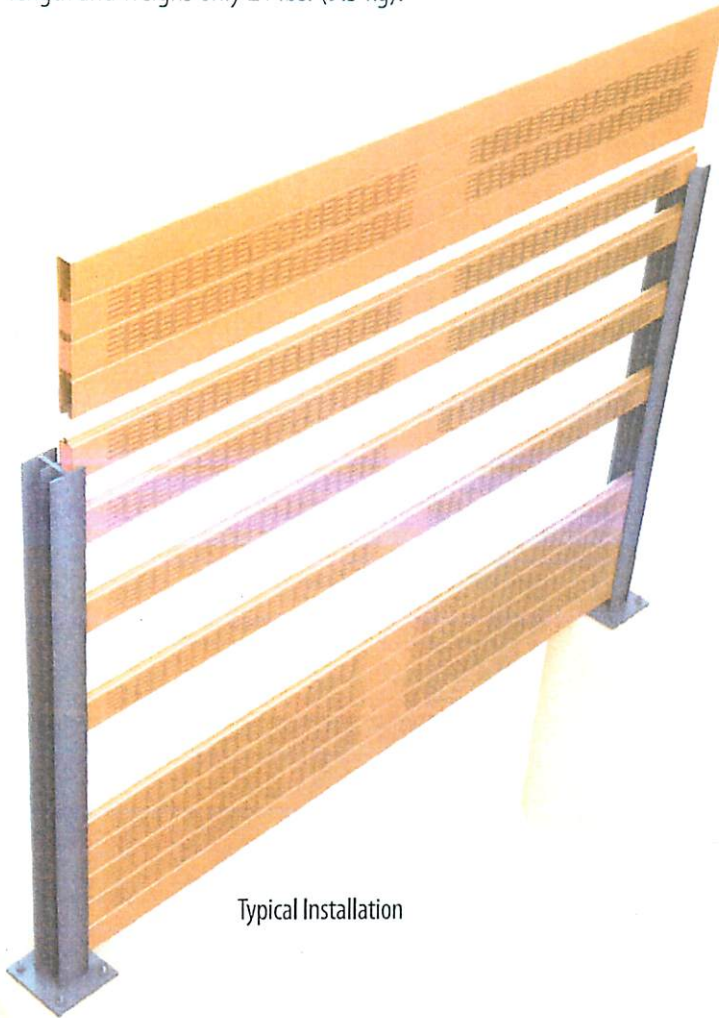




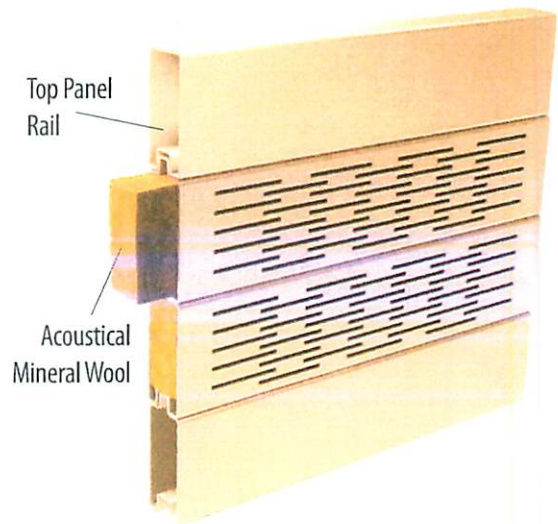
For project planning and assistance call toll-free 1-866-231-7867, or email: [info@ailsoundwalls.com](mailto:info@ailsoundwalls.com)

## Easy to install with local crews and reduced need for lifting equipment.

AIL Sound Walls are constructed with tongue and groove PVC panels. Panels are stacked and placed within standard steel posts to the required height and capped with a top panel. A standard panel is 10 ft. (3.0 m) in length and weighs only 21 lbs. (9.5 kg).



Typical Installation



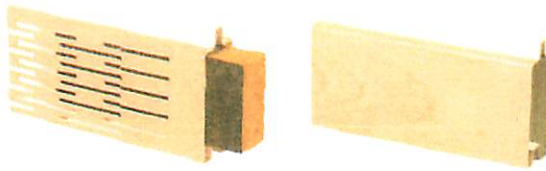
Flange Mounted Footing



Direct Bury Footing



**AIL** SOUND WALLS



## Product Specifications

|                   | Silent Protector®<br>(Absorptive)                             | Tuf Barrier®<br>(Reflective)                          |
|-------------------|---|---|
| Span <sup>1</sup> | 8 ft - 12 ft (2.44 m - 3.66 m)                                | 8 ft - 14 ft (2.44 m - 4.27 m)                        |
| Panel Width       | 2.70 in (68.58 mm)  | 2.70 in (68.58 mm)                                    |
| Panel Height      | 5.96 in ± .10 in<br>(151.38 mm ± 0.25 mm)                     | 5.96 in ± .10 in<br>(151.38 mm ± 0.25 mm)             |
| Weight            | 4.30 lbs/ft <sup>2</sup> (21 kg/m <sup>2</sup> ) <sup>4</sup> | Min. 4.10 lbs/ft <sup>2</sup> (20 kg/m <sup>2</sup> ) |
| Wall Height       | Greater than 30' / 9 m  | Greater than 30' / 9 m                                |
| STC Rating        | up to 39 <sup>2</sup>   | up to 31  |
| NRC Rating        | 0.95 <sup>3</sup>   | n/a   |

For product technical specifications visit [ailsoundwalls.com](http://ailsoundwalls.com)

1. Span is governed by wind loads and varies on code requirements. Contact AIL Sound Walls for recommended panel spans for your project.
2. Standard Silent Protector has an STC rating of 32. Silent Protector Plus can achieve STC of 39.
3. Standard Silent Protector NRC 0.95. Silent Protector Plus NRC is 0.90.
4. Weight of Silent Protector Plus is 7.30 lbs/ft<sup>2</sup> (36kg/m<sup>2</sup>)

## Sound Transmission Loss ASTM E90 / E413

| Octave Band Number     | 2   | 3   | 4   | 5    | 6    | 7    | STC  |
|------------------------|-----|-----|-----|------|------|------|--|
| Center Frequency (Hz)  | 125 | 250 | 500 | 1000 | 2000 | 4000 | —  |
| Silent Protector®      | 23  | 21  | 28  | 42   | 48   | 49   | SOUND TRANSMISSION<br>CLASS RATINGS UP TO<br><b>STC 39</b><br>WITH SILENT PROTECTOR PLUS |
| Silent Protector® Plus | 30  | 28  | 34  | 43   | 45   | 49   |  |
| Tuf-Barrier®           | 23  | 19  | 30  | 45   | 45   | 54   |  |

## Sound Absorption Coefficients ASTM C423/E795

| Octave Band Number     | 2    | 3    | 4    | 5    | 6    | 7    | NRC  |
|------------------------|------|------|------|------|------|------|------|
| Center Frequency (Hz)  | 125  | 250  | 500  | 1000 | 2000 | 4000 | —    |
| Silent Protector®      | 0.29 | 0.80 | 1.13 | 1.00 | 0.96 | 0.72 | 0.95 |
| Silent Protector® Plus | 0.28 | 0.71 | 1.06 | 0.97 | 0.94 | 0.78 | 0.90 |

### STC – Sound Transmission Class

STC is an integer rating used to measure the decibel reduction through a partition. It states the number of decibels lost through that partition in a laboratory environment.

### NRC – Noise Reduction Coefficient

NRC is a rating between 0 and 1 to index how absorptive a material is. An NRC of 0 means no sound waves are absorbed whereas a rating of 1 means all of the sound waves are absorbed.

### NRC

0.4 or less  
0.5 to 0.6  
0.6 to 0.7  
0.7 to 0.85  
> 0.85  
0.95

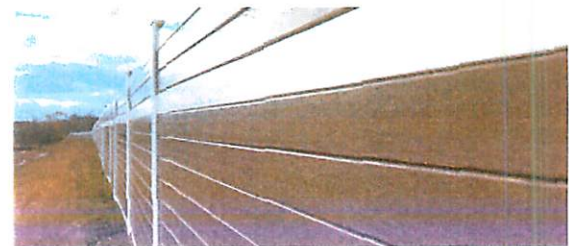
### Qualitative

Poor  
Mediocre  
Good  
Very Good  
Excellent  
AIL Silent Protector®

AIL Sound Walls are available in a variety of attractive colors and textured finishes. Custom colors are also available.



Add an optional embossed woodgrain texture to any flat color.



Color reproduction in this brochure is subject to limitations of the printing process. Please ask for actual PVC color samples.



For project planning and assistance call toll-free 1-866-231-7867, or email: [info@ailsoundwalls.com](mailto:info@ailsoundwalls.com)

## Save time. Save money. Choose efficient sound mitigation solutions from AIL Sound Walls.

### We support you.

- ▶ Be confident with an AIL Sound Walls solution
- ▶ Designs based on wind loading and local soil conditions
- ▶ Detailed proposals complete with installation budget estimates
- ▶ Engineer-stamped project drawings for approvals and construction
- ▶ Professional support in engineering, project management and site assistance



[ailsoundwalls.com](http://ailsoundwalls.com)

The information and suggested applications in this brochure are accurate and correct to the best of our knowledge and are intended for general information purposes only. These general guidelines are not intended to be relied upon as final specifications and we do not guarantee specific results for any particular purpose.

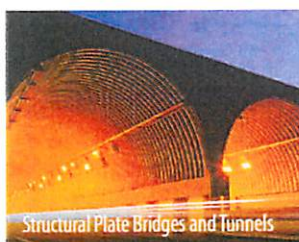
We strongly recommend consultation with an AIL Sound Walls Technical Sales Representative before making any design and purchasing decisions.



AIL products contain recycled content and are 100% recyclable.



PRINTED IN CANADA AIL-943 1/2019



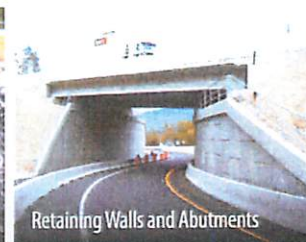
Structural Plate Bridges and Tunnels



Prefabricated Bridges



Culvert Bridges



Retaining Walls and Abutments



Sound Barrier Walls

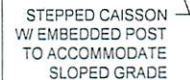
**Get AIL's innovative engineered solutions working for your better bottom line.**



AIL Sound Walls is a Division of Atlantic Industries Limited and is a member of The AIL Group of Companies. The AIL Group is made up of a network of companies with technical sales teams, engineering departments, manufacturing plants and distribution centers across Canada and in the United States. AIL International and the operations of the AIL Group's licensees in Australia, Europe and Asia help extend our global reach.

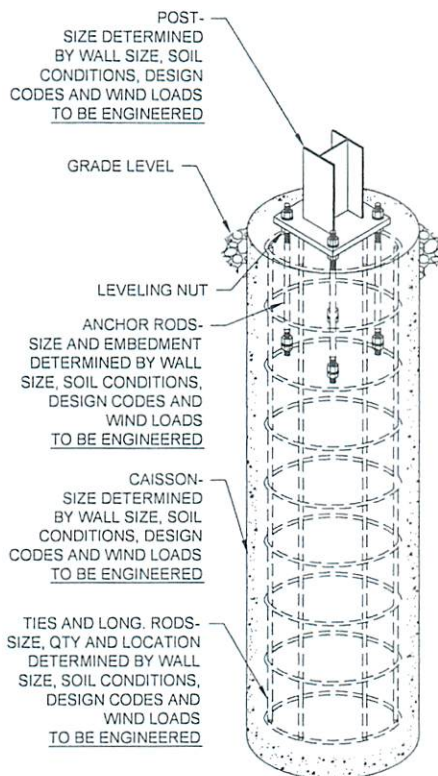
A member of  
THE AIL GROUP OF COMPANIES



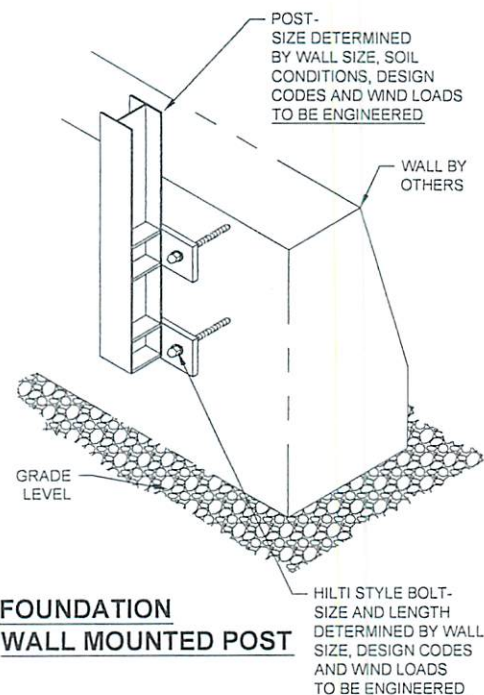


## FOUNDATIONS

### EMBEDDED POST



FOUNDATION  
BASE PLATE POST



**FOUNDATION**  
**WALL MOUNTED POST**

DRAWINGS ARE  
REPRESENTATIONS OF  
TYPICAL CONSTRUCTION  
AND ARE NOT TO BE  
USED WITHOUT  
CONSULTATION WITH  
SILENTIUM GROUP.

|  |             |           |    |  |  |   |  |  |  |
|--|-------------|-----------|----|--|--|---|--|--|--|
|  |             |           |    |    |  | DRAWING NAME:<br><b>TYPICAL FOUNDATIONS</b>                         |  | DRAWING NUMBER:<br><b>SSD - 1</b>  |  |
| PROPRIETARY AND CONFIDENTIAL<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE SOLE PROPERTY OF SILENTIUM GROUP. ANY REPRODUCTION IN WHOLE OR PART WITHOUT THE WRITTEN PERMISSION OF SILENTIUM GROUP IS PROHIBITED. |             |           |    | 100 EAGLE ST N SUITE 402<br>CAMBRIDGE ONTARIO N3H 5T8<br>inquires@silentiumgroupco.com |  | PHONE-866-611-6044<br>FAX- 866-402-0580<br>www.silentiumgroupco.com |  | DRN BY: BW    CHK'D BY: BW    SCALE: NTS<br>DATE: APR/16/15    REVISION: A |  |
| A  | 1ST RELEASE | APR/16/15 | BW |  |  |   |  |  |  |
| REV.   | DESCRIPTION | DATE      | BY | PROJECT NUMBER:  |  |   |  |  |  |





LEA Consulting Ltd.  
425 University Ave, Suite 400  
Toronto, ON, M5G 1T6 Canada  
T | 905 470 0015 F | 905 470 0030  
WWW.LEA.CA

April 9<sup>th</sup>, 2020

Reference Number: [20384.200]

**Sath Nathan**  
Ehvert Mission Critical  
200 Adelaide Street West, Suite 500  
Toronto, ON M5H 1W7

Dear Mr. Nathan,

**RE: Parking Survey – 7525 & 7535 Financial Drive, City of Brampton**

## 1 INTRODUCTION

LEA Consulting Ltd. (LEA) has been retained by Ehvert Mission Critical (Ehvert) to conduct a Parking Utilization Survey for the proposed parking lot reconfiguration at 7525 & 7535 Financial Drive (the “subject site”) in the City of Brampton, ON. In the following sections, the City of Brampton zoning by-law requirement for parking spaces is reviewed and compared to the proposed parking supply. An analysis of the existing parking utilization on the subject site is conducted to determine the appropriate parking.

The subject site is located on the north side of ON Highway 407 on Financial Drive, as shown in **Figure 1**. The subject site is currently occupied by an industrial building on the 7525 Financial Drive lot and an industrial warehouse on the 7535 Financial Drive lot, which are to be maintained. **Figure 2** shows the proposed site plan reconfiguration to accommodate truck and trailer parking, which involves no changes to the building footprints, shown in the site plan.

**Figure 1: Site Location**

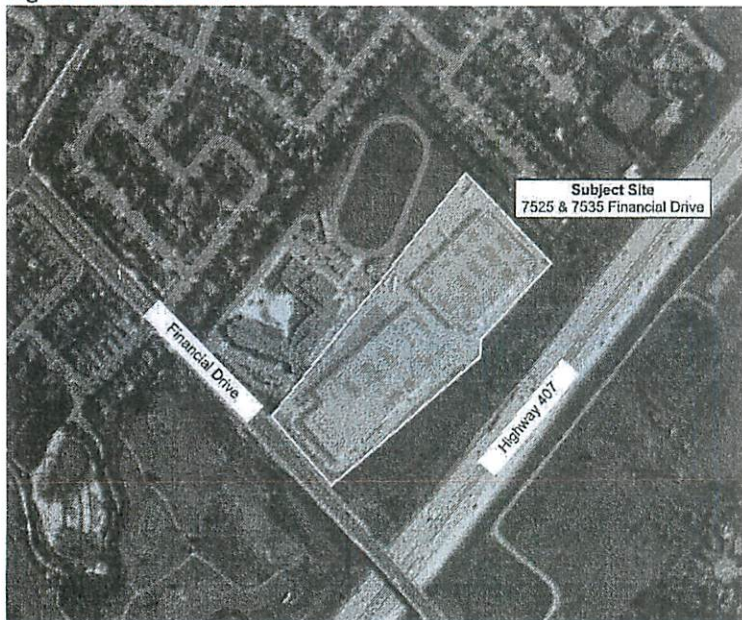
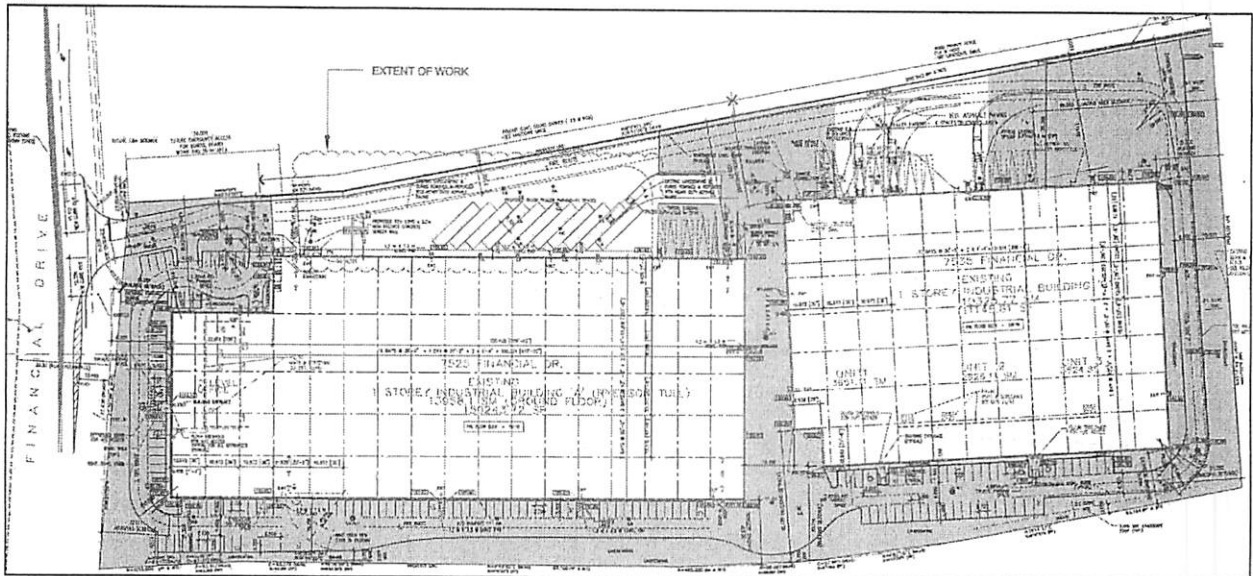




Figure 2: Site Plan



Source: Sirlin Giller & Malek Architects, March 26, 2020

## 2 BY-LAW PARKING REQUIREMENT

The subject site is governed by the City of Brampton By-law 270-2004. Table 1 below, summarizes the parking By-law requirements for the land uses on the subject site.

Table 1: By-law Requirement

| Subject Properties | Land Use      | GFA                     | Min. Rate   | Required Spaces | Proposed Spaces |
|--------------------|---------------|-------------------------|---|-----------------|-----------------|
| Building A         | Manufacturing | 14795.5 m <sup>2</sup>  | 139 + 1/170m <sup>2</sup> excessive of the first 10,000m <sup>2</sup> | 167             | 147             |
| Building B         | Warehouse     | 10325.77 m <sup>2</sup> | 78 + 1/145m <sup>2</sup> excessive of the first 7,000m <sup>2</sup>   | 101             |                 |
| Total              |               |                         |   | 268             |                 |

The City of Brampton By-law 270-2004 requires the subject site have 268 parking spaces. 147 parking spaces have been proposed for the parking lot reconfiguration. The proposed parking supply is 121 parking spaces deficient from the minimum By-law requirement.

## 3 PARKING UTILIZATION SURVEY

To understand the parking demand of the subject site, LEA conducted a parking utilization survey over four days, on Thursday February 27, Tuesday March 3, Wednesday March 4 and Tuesday March 10, 2020. The



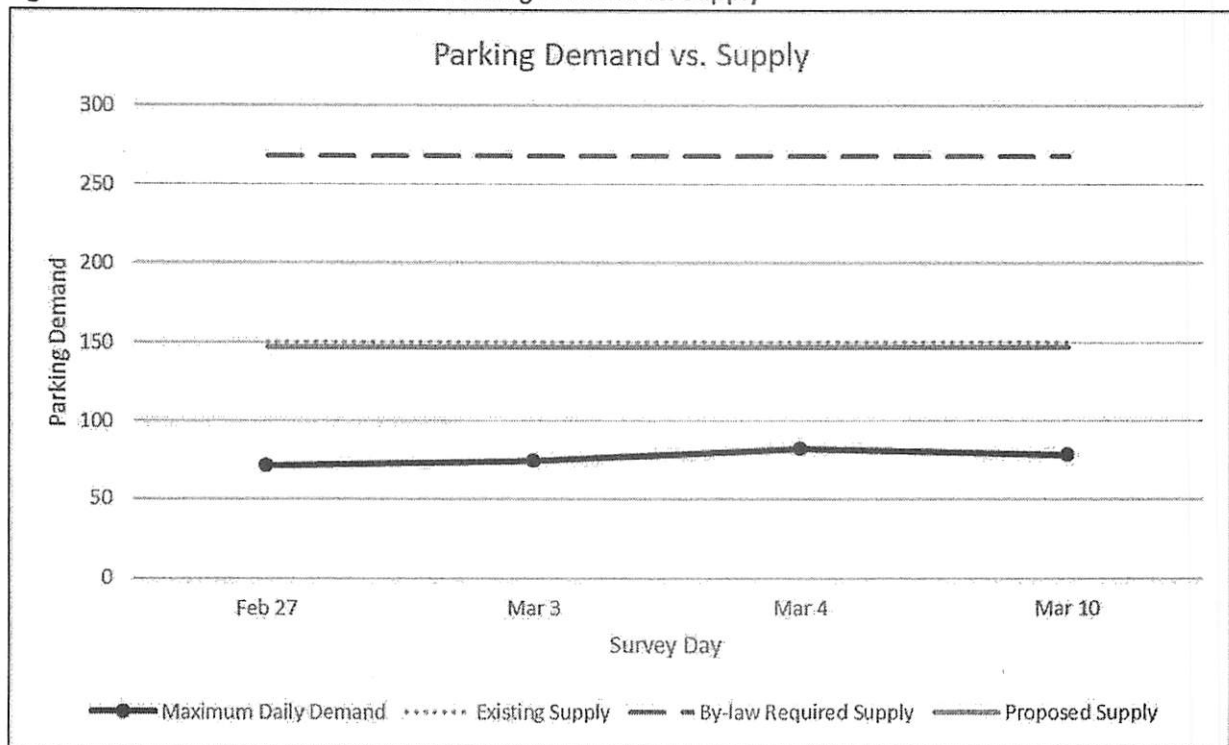
surveys were conducted between 7:00 am and 6:00 pm on all four days. Original survey data is provided in **Attachment A**.

In order to understand the relationship between the parking supply and demand, the existing parking supply, By-law required parking supply and proposed parking supply are summarized below in **Table 2**. The three supply rates are then plotted against the parking demand experienced at the subject site for comparison in **Figure 3**.

**Table 2: Parking Supply**

|   | Existing                 | By-law Requirement | Max. Demand | Proposed |
|---|--------------------------|--------------------|-------------|----------|
| Parking Supply                              | 150                      | 272                | 82          | 147      |
| GFA   | 24,283.87 m <sup>2</sup> |                    |             |          |
| Blended Rate<br>Spaces / 100 m <sup>2</sup> | 0.62                     | 1.12               | 0.34        | 0.61     |

**Figure 3: 7525 & 7535 Financial Drive Parking Demand vs. Supply**



The maximum parking demand on the existing properties located on the subject site is 82 spaces observed on the third survey day on March 4<sup>th</sup>, 2020 at 2:30 pm. The average of the maximum parking demand over the four survey days was 76.25 spaces. The parking utilization observed on each survey day was found relatively constant throughout the surveyed four days; therefore, the observed maximum utilization provides a good representation of the expected peak parking demand level at the subject site.





The parking supply required by City of Brampton By-law 270-2004 is approximately 3.3 times the observed maximum parking demand on the subject site, while the existing parking supply at the subject site is approximately two times the observed parking demand. The proposed parking supply is approximately 1.8 times the observed maximum parking demand at the subject site. Based on the survey observations, the proposed parking supply of 147 spaces is sufficient to meet the expected parking demand on the subject site.

We trust that the information provided in this letter is sufficient for your use at this time. Should you have any questions with regards to this letter, please do not hesitate to contact the undersigned at 416-572-1791 or at csidlar@lea.ca.

Yours truly,

LEA CONSULTING LTD.

A handwritten signature in cursive script, reading "Chris Sidlar".

Christopher Sidlar, M.Sc.Pl., MCIP, RPP  
Manager, Transportation Planning

A handwritten signature in cursive script, reading "Miranda (Shuang) Liu".

Miranda (Shuang) Liu, B.A.Sc., EIT  
Transportation Analyst



The Personal Information collected on this form is collected pursuant to section 45 of the Planning Act and will be used in the processing of this application. Applicants are advised that the Committee of Adjustment is a public process and the information contained in the Committee of Adjustment files is considered public information and is available to anyone upon request and will be published on the City's website. Questions about the collection of personal information should be directed to the Secretary-Treasurer, Committee of Adjustment, City of Brampton.

## APPLICATION

## Minor Variance or Special Permission

(Please read Instructions)

**NOTE:** It is required that this application be filed with the Secretary-Treasurer of the Committee of Adjustment and be accompanied by the applicable fee.

The undersigned hereby applies to the Committee of Adjustment for the City of Brampton under section 45 of the Planning Act, 1990, for relief as described in this application from By-Law 270-2004.

- Name of Owner(s)** Crestpoint Real Estate (Financial Drive) Inc.  
**Address** 1400 -130 King St. W. P.O. Box 240,  
Toronto, ON. M5X 1C8

**Phone #** 416-360-2326 **Fax #** 416-363-2089  
**Email** aflynn@cclgroup.com
- Name of Agent** Ehvert Engineering Inc.  
**Address** 200 Adelaide Street West , Suite 500,  
Toronto, ON. M5H 1W7

**Phone #** 647-966-2517 **Fax #** 416-868-6001  
**Email** snathan@ehvert.com
- Nature and extent of relief applied for (variances requested):**  
A minor variance is requested to be exempted from by-law Section 34.1 Industrial Four- M4-Bylaw 34.1.2.(h),  
M4- Section 2757 bylaw 2757.2(k). This exemption will facilitate the tenant day to day operations by allowing  
for trucks/trailers to stage on site while in queue to unload or load as well as permit the tenants to park their  
trucks/trailers overnight until the next business day.

Based on the above noted by-law sections, outdoor storage is not permitted at 7525/7535 Financial  
Drive, Brampton ON. The City of Brampton's definition of outdoor storage includes for trucks and trailers  
that are not actively involved in the process of unloading or loading.
- Why is it not possible to comply with the provisions of the by-law?**  
Based on the day to day operations of 7525 and 7535 Financial Drive, truck and trailers do line up to either  
unload or load at each of the facilities over the course of the day (refer to the explanatory letter for further  
details). The tenants of the above noted facilities own their trucks and trailers and as such have to park them  
on site over night until the next business day. The proposed site plan outlines the locations where the  
trucks/trailers will be parked without any impact to abutting properties, fire route or traffic flow. A parking  
utilization study along with functional reviews were conducted to support our request and have been included  
in our application.
- Legal Description of the subject land:**  
**Lot Number** LOT #s: 13/10 Block 2  
**Plan Number/Concession Number** Plan Numbers: 43M-1597/ 43R-28607/ Concession 4 - West of Hurontario St.  
**Municipal Address** 7525 Financial Drive, Brampton, ON. L6Y 5L1  
7535 Financial Drive, Brampton, ON. L6Y 5S1
- Dimension of subject land (in metric units)**  
**Frontage** 77.53 meters  
**Depth** 638.41 meters  
**Area** 49,432.7 sq.m.
- Access to the subject land is by:**

|                                    |                                     |                   |                          |
|------------------------------------|-------------------------------------|-------------------|--------------------------|
| Provincial Highway                 | <input type="checkbox"/>            | Seasonal Road     | <input type="checkbox"/> |
| Municipal Road Maintained All Year | <input checked="" type="checkbox"/> | Other Public Road | <input type="checkbox"/> |
| Private Right-of-Way               | <input type="checkbox"/>            | Water             | <input type="checkbox"/> |



8. Particulars of all buildings and structures on or proposed for the subject land: (specify in metric units ground floor area, gross floor area, number of storeys, width, length, height, etc., where possible)

**EXISTING BUILDINGS/STRUCTURES** on the subject land: List all structures (dwelling, shed, gazebo, etc.)

Building A- 7525 Financial Drive; Ground floor area: 13,958 sq.m.; Gross Floor Area: 13,958 sq.m.

Number of Storeys: 1

Width 77.31 meters; Length: 186.32 meters; Height: 10.41 meters

Building B- 7535 Financial Drive; Ground Floor Area: 10,325.77 sq.m.; Gross Floor Area: 10,325.77 sq.m.

Number of Storeys: 1

Width: 85.5 meters; Length: 121.5 meters; Height: 8.84 meters

**PROPOSED BUILDINGS/STRUCTURES** on the subject land:

Not applicable. No new buildings or structures are being proposed.

9. Location of all buildings and structures on or proposed for the subject lands: (specify distance from side, rear and front lot lines in metric units)

**EXISTING**

Front yard setback 22.1 meters

Rear yard setback 22.5 meters

Side yard setback Interior: 16.60 meters

Side yard setback Exterior: 19.42 meters

**PROPOSED**

Front yard setback Not applicable.

Rear yard setback Not applicable.

Side yard setback Not applicable.

Side yard setback Not applicable.

10. Date of Acquisition of subject land: June 26, 2017

11. Existing uses of subject property: Manufacturing; Warehouse

12. Proposed uses of subject property: Manufacturing; Warehouse

13. Existing uses of abutting properties: Accessory (Educational Use) / Residential

14. Date of construction of all buildings & structures on subject land: August 2004

15. Length of time the existing uses of the subject property have been continued: 15-17 years

16. (a) What water supply is existing/proposed?

Municipal ☒

Well ☐

Other (specify) Existing

- (b) What sewage disposal is/will be provided?

Municipal ☒

Septic ☐

Other (specify) Existing

- (c) What storm drainage system is existing/proposed?

Sewers ☒

Ditches ☐

Swales ☐

Other (specify) Existing

17. Is the subject property the subject of an application under the Planning Act, for approval of a plan of subdivision or consent?

Yes ☐ No ☒

If answer is yes, provide details: File # \_\_\_\_\_ Status \_\_\_\_\_

18. Has a pre-consultation application been filed?

Yes ☐ No ☒

19. Has the subject property ever been the subject of an application for minor variance?

Yes ☐ No ☐ Unknown ☒

If answer is yes, provide details:

|              |                |              |
|--------------|----------------|--------------|
| File # _____ | Decision _____ | Relief _____ |
| File # _____ | Decision _____ | Relief _____ |
| File # _____ | Decision _____ | Relief _____ |

Sath Nathan Sath Nathan  
Signature of Applicant(s) or Authorized Agent

DATED AT THE CLERK'S OFFICE OF CITY OF BRAMPTON  
THIS 31ST DAY OF AUGUST, 2020.

IF THIS APPLICATION IS SIGNED BY AN AGENT, SOLICITOR OR ANY PERSON OTHER THAN THE OWNER OF THE SUBJECT LANDS, WRITTEN AUTHORIZATION OF THE OWNER MUST ACCOMPANY THE APPLICATION. IF THE APPLICANT IS A CORPORATION, THE APPLICATION SHALL BE SIGNED BY AN OFFICER OF THE CORPORATION AND THE CORPORATION'S SEAL SHALL BE AFFIXED.

I, Sath Nathan, OF THE CITY OF OSHAWA  
IN THE REGION OF DURHAM SOLEMNLY DECLARE THAT:

ALL OF THE ABOVE STATEMENTS ARE TRUE AND I MAKE THIS SOLEMN DECLARATION CONSCIENTIOUSLY BELIEVING IT TO BE TRUE AND KNOWING THAT IT IS OF THE SAME FORCE AND EFFECT AS IF MADE UNDER OATH.

DECLARED BEFORE ME AT THE

CITY OF BRAMPTON  
IN THE REGION OF  
PEEL THIS 31 DAY OF  
AUGUST, 2020.

Jeanie Cecilia Myers,  
a Commissioner, etc.,  
Province of Ontario,  
for the Corporation of the  
City of Brampton.  
Expires April 8, 2021.

Sath Nathan Sath Nathan  
Signature of Applicant or Authorized Agent

Jeanie Myers  
A Commissioner etc.

FOR OFFICE USE ONLY

Present Official Plan Designation: \_\_\_\_\_

Present Zoning By-law Classification: \_\_\_\_\_

M4 - 2757

This application has been reviewed with respect to the variances required and the results of the said review are outlined on the attached checklist.

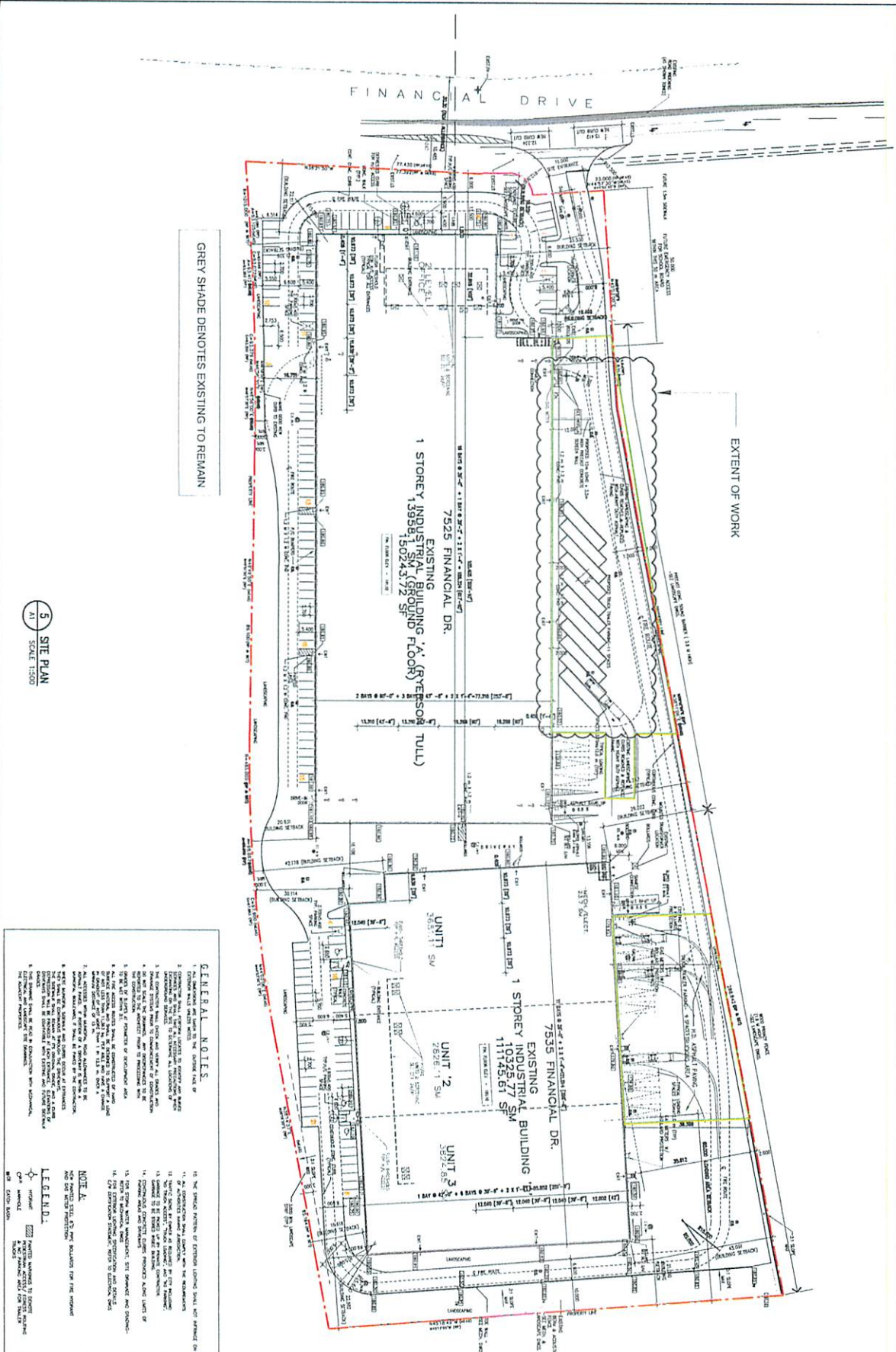
Hothi S  
Zoning Officer

AUGUST 31 2020  
Date

DATE RECEIVED

August 31, 2020





**GENERAL NOTES**

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
2. THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.
3. THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.
4. THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.
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9. THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.
10. THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.

**LEGEND:**

- 1. PROPOSED BUILDING
- 2. EXISTING BUILDING
- 3. EXISTING DRIVE
- 4. EXISTING DRIVE
- 5. EXISTING DRIVE
- 6. EXISTING DRIVE
- 7. EXISTING DRIVE
- 8. EXISTING DRIVE
- 9. EXISTING DRIVE
- 10. EXISTING DRIVE

**NOTE:**

THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.

| BUILDING CLASSIFICATION                   |  |
|---|--|
| BUILDING TYPE: INDUSTRIAL BUILDING        |  |
| BUILDING AREA: 11,145.61 SQ. M.           |  |
| TOTAL FLOORING: 11,145.61 SQ. M.          |  |
| TOTAL EXISTING FLOORING: 11,145.61 SQ. M. |  |
| TOTAL PROPOSED FLOORING: 11,145.61 SQ. M. |  |
| LEGAL DESCRIPTION                         |  |
| SUBJECT INFORMATION TAKEN FROM:           |  |
| RECORDS OF THE CITY OF BRAMPTON           |  |
| RECORDS OF THE CITY OF BRAMPTON           |  |
| RECORDS OF THE CITY OF BRAMPTON           |  |
| SITE STATISTICS                           |  |
| TOTAL AREA: 11,145.61 SQ. M.              |  |
| TOTAL FLOORING: 11,145.61 SQ. M.          |  |
| TOTAL EXISTING FLOORING: 11,145.61 SQ. M. |  |
| TOTAL PROPOSED FLOORING: 11,145.61 SQ. M. |  |
| TOTAL EXISTING FLOORING: 11,145.61 SQ. M. |  |
| TOTAL PROPOSED FLOORING: 11,145.61 SQ. M. |  |

**KEY PLAN**

**ARCHITECTS**

City of Brampton

7525 & 7535 FINANCIAL DR.

BRAMPTON, ONTARIO

**SITE PLAN DETAILS**

7525 & 7535 FINANCIAL DR.


BRAMPTON, ONTARIO


**NOTES**

1. THE PROPOSED BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF BRAMPTON ZONING BY-LAW AND THE BRAMPTON BUILDING DEPARTMENT REGULATIONS.



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and Planners  
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Project No.  
20384

Date  
MAR. 27, 2020

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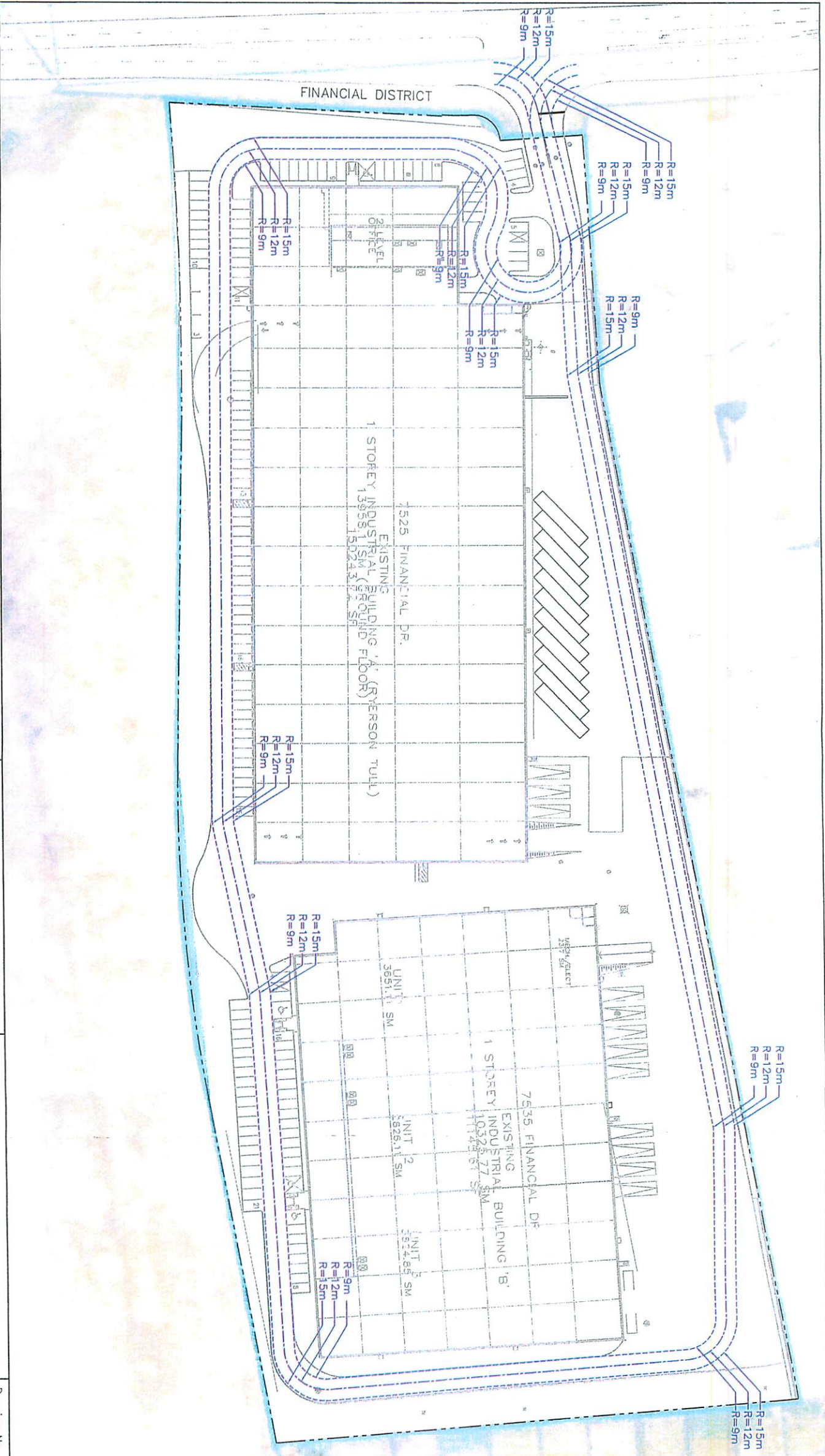
FOR DISCUSSION

7525 & 7535 FINANCIAL DRIVE  
BRAMPTON  
ONTARIO

  
1:1000

INDUSTRIAL DEVELOPMENT  
SITE PLAN (SP04-006.001)  
FIRE ROUTE

Drawing No.  
001





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Project No.

20384

Date

MAR. 27, 2020

**DRAFT**  
FOR DISCUSSION

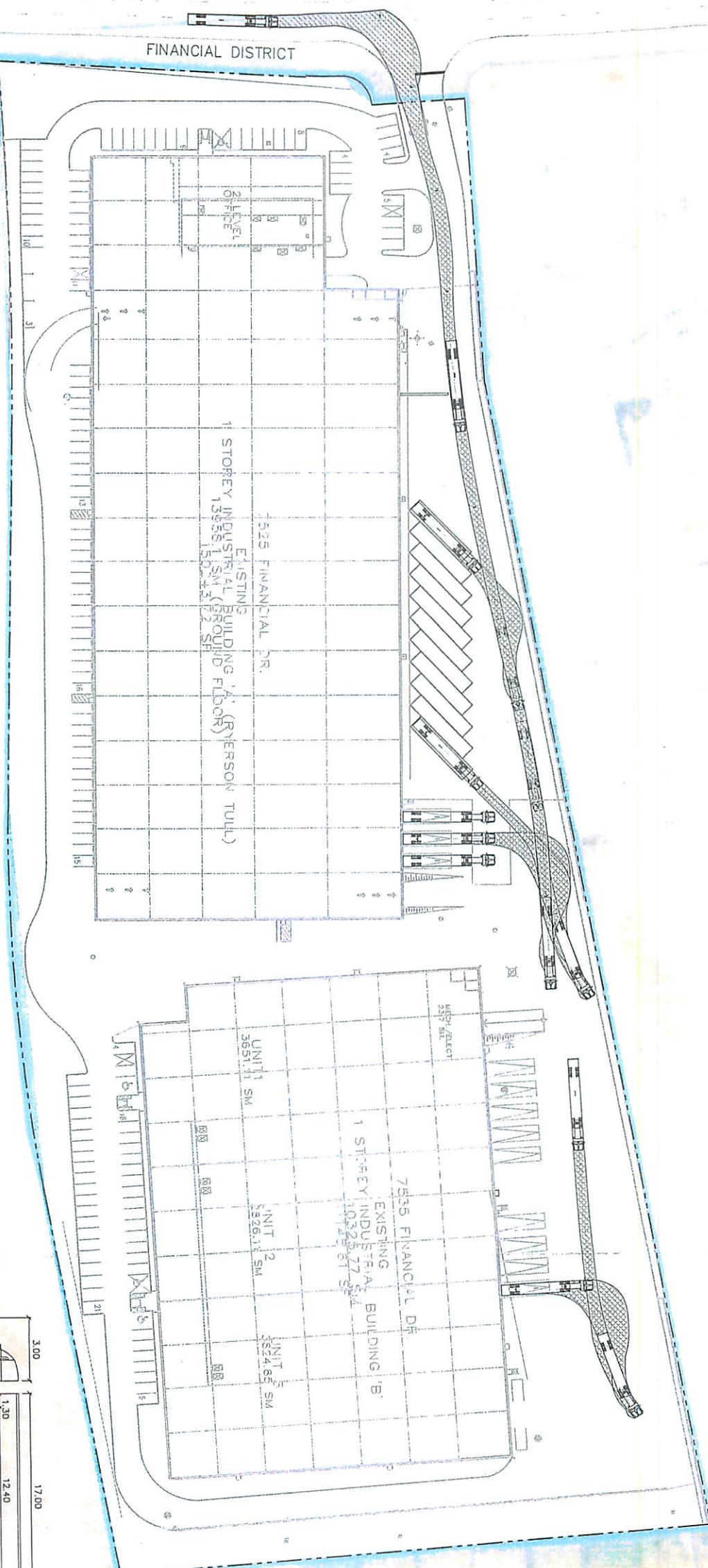
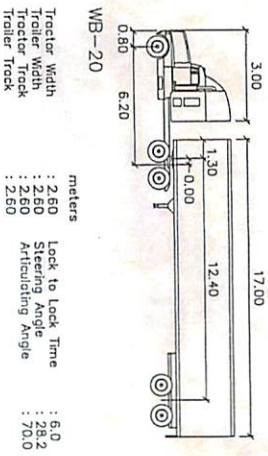
7525 & 7535 FINANCIAL DRIVE  
BRAMPTON ONTARIO



INDUSTRIAL DEVELOPMENT  
SITE PLAN (SP04-006.001)  
TRAILER TRUCK ENTRY PATHS

Drawing No.

002





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and Planners  
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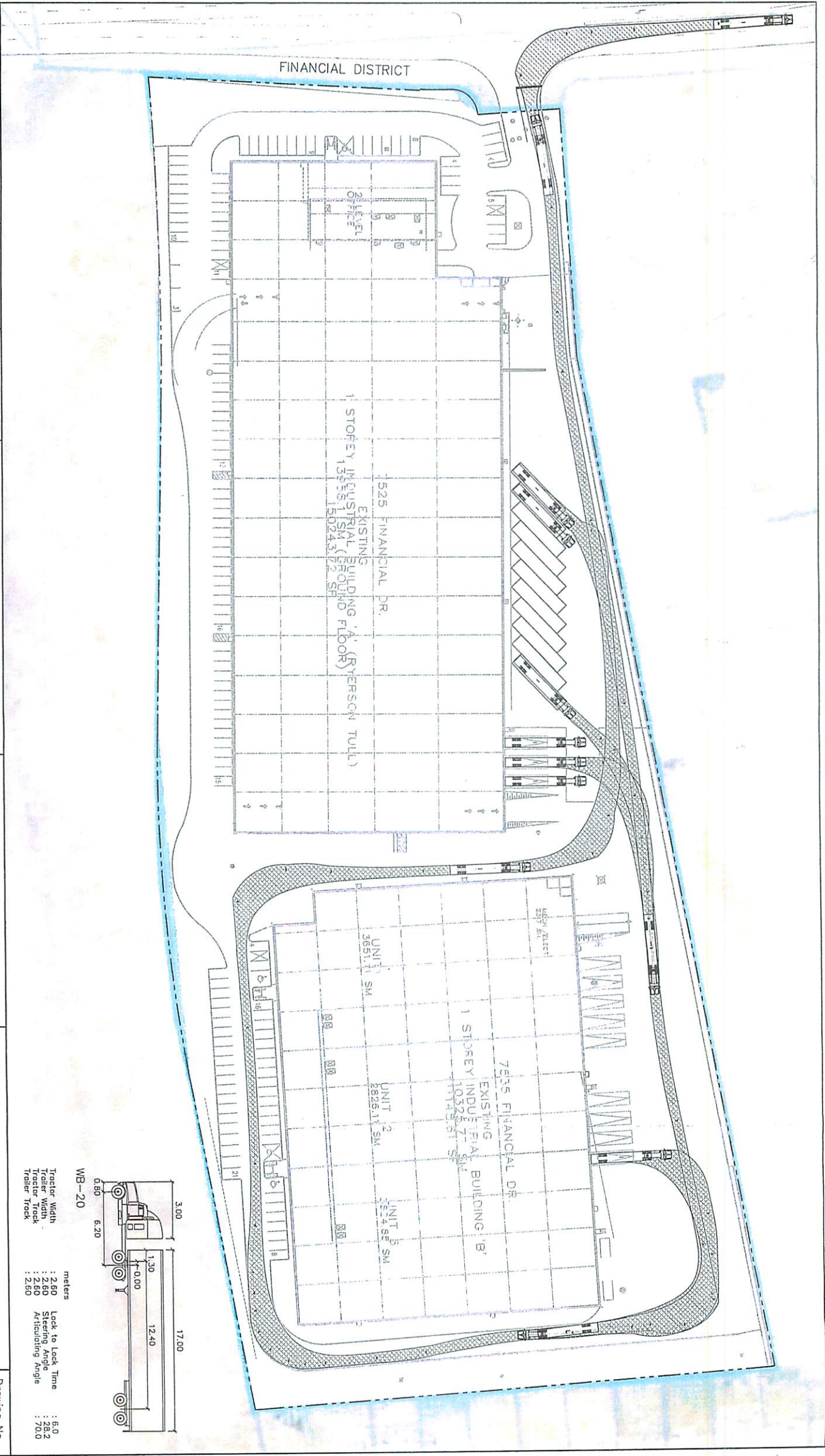
Project No.  
20384  
Date  
MAR. 27, 2020

**DRAFT**  
FOR DISCUSSION

7525 & 7535 FINANCIAL DRIVE  
BRAMPTON  
ONTARIO


INDUSTRIAL DEVELOPMENT  
SITE PLAN (SP04-006.001)  
TRAILER TRUCK EXIT PATHS

Drawing No.  
003



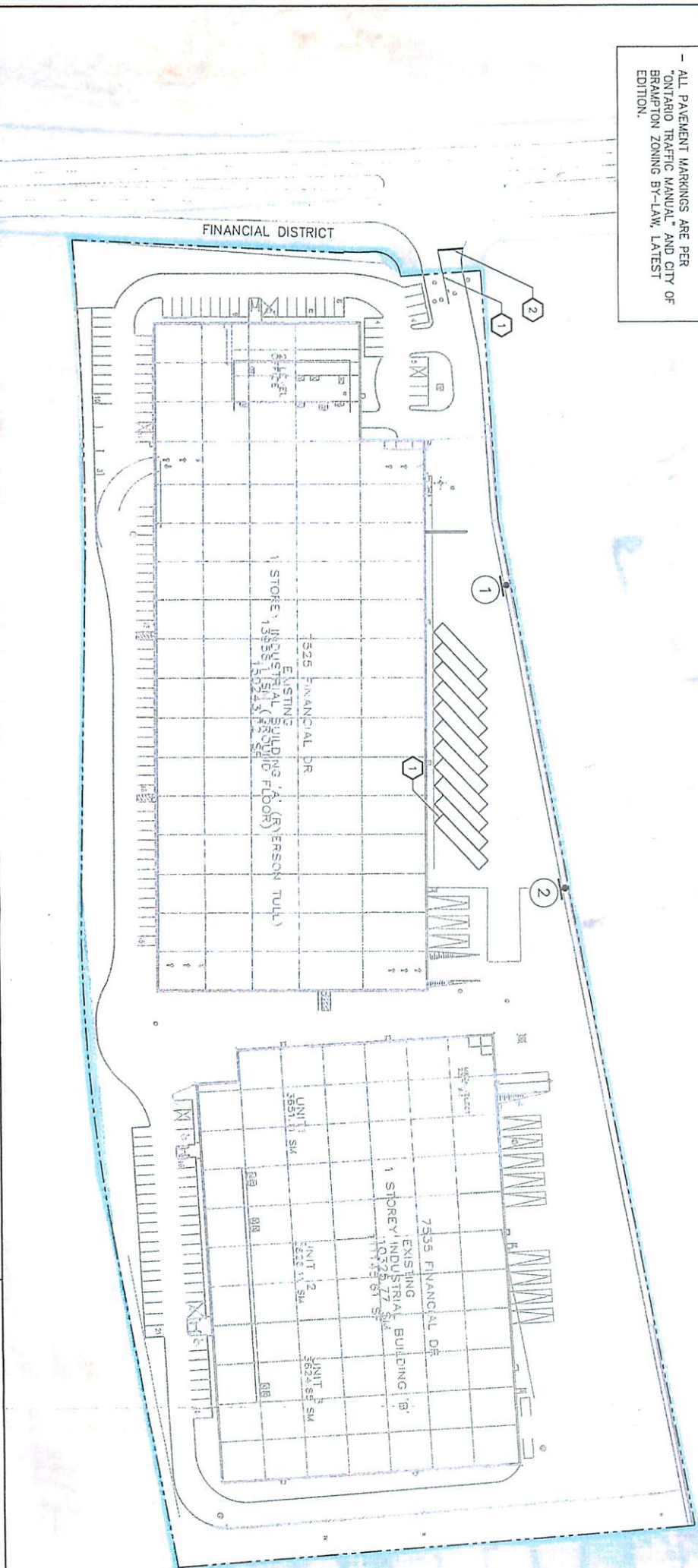


TRAFFIC SIGNS

| SIGN  | LOCATION | NEW QUANTITY REQUIRED | COLOURS  |
|---|----------|-----------------------|--|
|  | 1-2      | 2                     | Rd-51 MOD. (300x450) RED REFL. INTERDICTORY SYMBOL. LEGEND & BORDER. WHITE REFL. BACKGROUND. |


- ALL SIGNS ARE STEEL POST-MOUNTED, UNLESS OTHERWISE INDICATED.  
- ALL SIGNS ARE PER "ONTARIO TRAFFIC MANUAL", LATEST EDITION.


- LEGEND:
- 1 POST-MOUNTED SIGN
  - 1 SIGN LOCATION
  - 1 10cm SOLID YELLOW LINE
  - 2 50cm SOLID WHITE LINE
- ALL PARKING STALLS ARE TO HAVE 100mm WIDE YELLOW PAINTED PAVEMENT MARKINGS.  
- ALL PAVEMENT MARKINGS ARE PER "ONTARIO TRAFFIC MANUAL" AND CITY OF BRAMPTON ZONING BY-LAW, LATEST EDITION.



DRAWN BY: D.C. PLOT DATE: March 27, 2020

LEA Consulting Ltd.  
Consulting Engineers  
and Planners  
www.LEA.ca





Project No.  
20384

Date  
MAR. 27, 2020

**DRAFT**  
FOR DISCUSSION

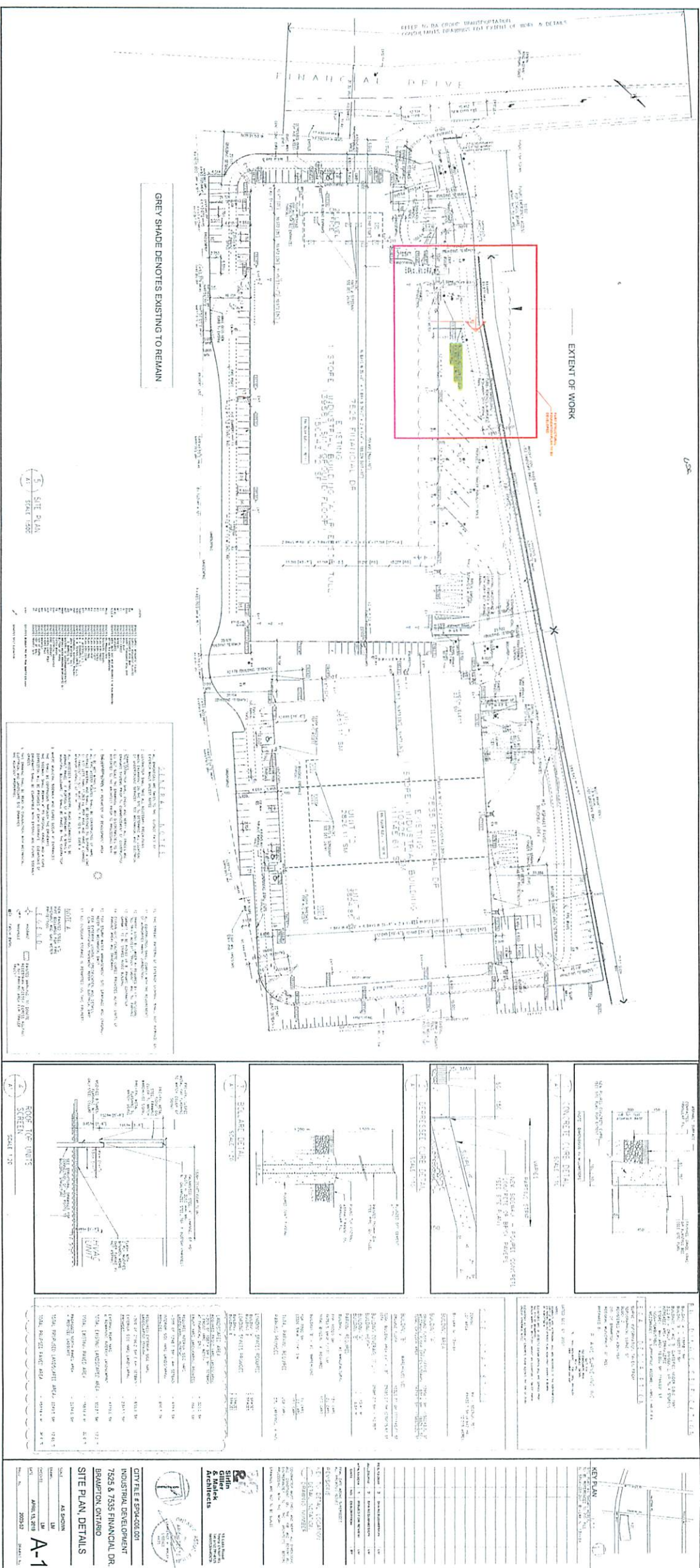
7525 & 7535 FINANCIAL DRIVE  
BRAMPTON  
ONTARIO

INDUSTRIAL DEVELOPMENT  
SITE PLAN (SP04-006.001)  
PAVEMENT MARKINGS & SIGNAGE PLAN

Drawing No.  
004

12.5 0 12.5 25 37.5m  
1:1250







C4



A-2020-0079

C5