

ÉDIFICE 110 O'CONNOR INC.

PROJECT:

110 O'CONNOR STREET
OTTAWA

PROJECT NO:

600901

DATE:

2024-10-29

LIST OF PLANS

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117, avenue Lépine, unité 202, Gatineau (Québec) J8L 3G1
T 819 303 2700
info@equipelaurence.ca | equipelaurence.ca

TECHNICAL AND GENERAL SPECIFICATIONS

1.0 GENERAL SPECIFICATIONS

All work shall conform with Ontario building code, latest edition as well as local regulation and bylaws.

Contractor to verify all dimensions and report any discrepancies to the engineer immediately to get design confirmation before proceeding with construction.

Refer to the City of Ottawa for regulations and standards (supersedes provincial standards).

Refer to Ontario Provincial Standards for Roads and Public Works - Volume 3 for details.

Ontario provincial standards for roads and public works must also be respected.

Work to be performed in accordance with the Occupational Health and Safety Act and Regulations for Construction Projects.

All materials shall meet all current applicable standards set by the American Water Works Association ("AWWA"), Canadian Standards Association ("CSA"), the American National Standards Institute ("ANSI") safety criteria standards, American Society for Testing and Materials (ASTM), NSF/14, NSF/60 and NSF/61.

The Contractor will get approval for all materials selection from the Civil Engineer prior to delivery to the site.

BUILDING OWNER: ÉDIFICE 110 O'CONNOR INC.

CONSULTING CIVIL ENGINEER: ÉQUIPE LAURENCE INC.

2.0 GENERAL INFORMATIONS

2.1 UNDERGROUND SERVICES

The plans show certain underground installations for the sole purpose to highlight the existence of cables, pipelines and underground structures. In the sectors where work must be performed, the contractor is responsible to verify himself with the competent authorities the existence and actual location of all cables, pipelines and existing underground structures that may affect the works.

Before beginning excavations, the contractor must thus contact the Ontario One Call (www.on1call.com), the municipal authorities and all other stakeholders in order to identify on the field all existing underground structures whether they are shown on the plans or not.

He is responsible for damages to cables, pipelines and underground structures. No cost variation resulting from underground structures not shown or poorly located on the plans can be claimed against the building owner. Following the review of the plans and specifications, the contractor must notify the engineer of any error, omission or discrepancy noted by him before starting work.

2.2 EXISTING WATERMAIN AND SEWER CONDUITS

The location of the watermain and sewer pipes is approximate. The contractor must verify and validate the position and depth of the pipes by the means of meticulous excavations. Should discrepancies be observed, they must be provided to the engineer without delay in order that the required modifications are made to the construction plans. The contractor will have to coordinate with the city the connecting works to the existing networks (watermain and sewers). No service interruption shall take place without the building owner's authorization or the relevant authorities.

2.3 PROTECTION AGAINST EROSION

As per "Erosion and sediment control guideline for urban construction". In all areas of the building site where there is a risk of erosion, the ground must be stabilized. Runoff water must be intercepted and routed to stabilized areas and this, throughout the construction period. The contractor must use the recognized methods to prevent the transport of sediments.

- Sediment barrier
- Mud mat
- Sedimentation pond
- Filtering berm and sediment trap
- Straw bale filter

Any intervention on the building site which may cause the transfer of sediments must be simultaneously accompanied by sediment capture measures.

2.4 DRAINING OF THE EXCAVATIONS

The contractor shall take all necessary precautions to prevent the penetration of surface waters and to evacuate surface, underground or sewer waters. Waste waters must be directed towards a combined sewer or a sanitary sewer and the surface and underground waters towards a storm sewer, a combined sewer or a ditch. In all cases, the diversion site must be submitted for approval.

The contractor must assume all required pumping and cleaning costs.

2.5 PAVEMENT PROTECTION

At all times, the movement of machinery and metal tracked vehicles is prohibited on paved surfaces unless plywood sheets with a 20mm normal thickness or rubber with a 12.5mm thickness are used in order to avoid damaging pavement. All repairs or complete replacements of pavement is the contractor's responsibility, who will have to pay all the costs.

2.6 CLEANING OF SITE

At the end of the construction works and as often as requested by the project superintendent, the contractor must clean and eliminate all construction generated debris and restore all construction affected areas. The cleaning of the construction site is included in the global market unit prices.

3.0 SITE GRADING

Surface topsoil layer stripping required.

Low-lying areas may be filled by utilising soil cut from higher areas and by importing suitable fill materials.

The approved subgrade may be raised to design subgrade level with approved compactable on-site soil, providing it is placed in maximum 300 mm thick lifts and each lift is compacted to at least 95% of the material's SPMD. As an alternative to subexcavation, a woven geotextile separator, such as Terratrack 24-15, Amoco 2002, Mirafi 500XL or equivalent, may be placed over spongy areas prior to placing the Granular 'B' sub-base layer.

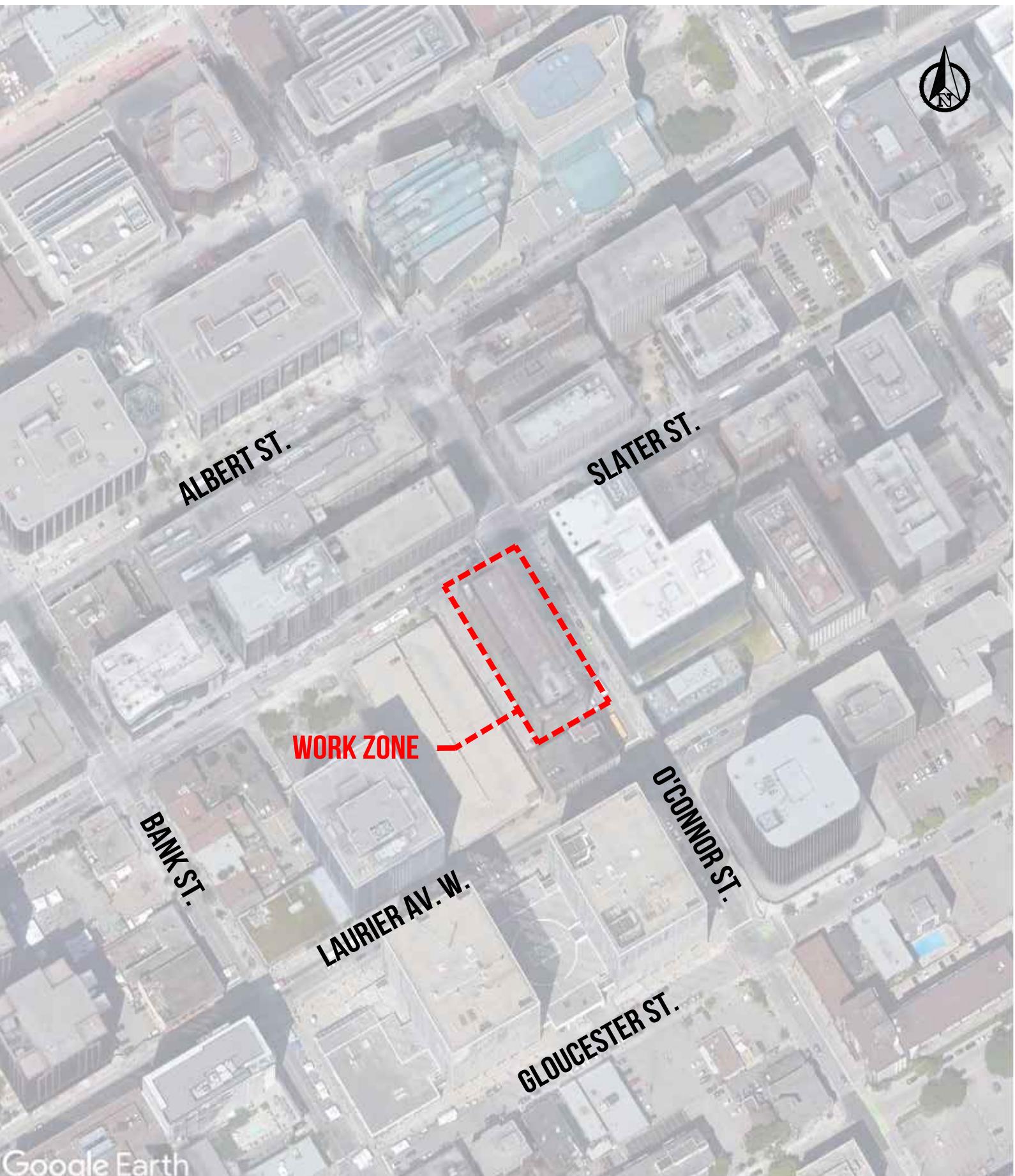
4.0 CONCRETE WORKS

All weather exposed concrete shall have 5 to 8% air entrainment or as otherwise specified in Tables 2 and 4 of CSA A23.1.

Concrete sidewalk as per DPSD 310.010. Foundation consist of 150 mm minimum of granular 'A' material. Sidewalk concrete thickness shall be 200 mm.

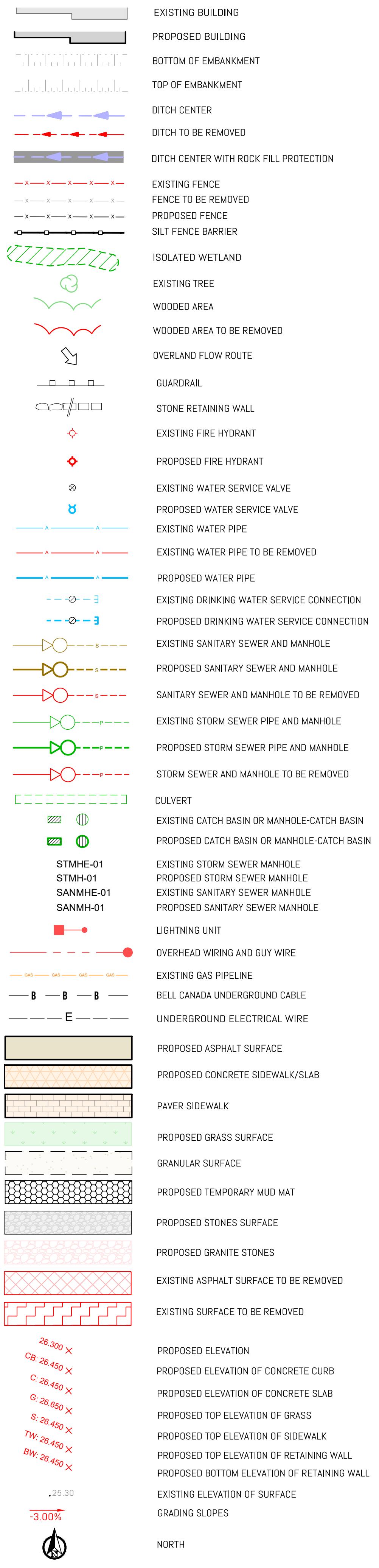
Concrete barrier curb as per DPSD 600.110. Foundation consist of 150 mm minimum of granular 'A' material.

PROJECT LOCATION



PROJECT LOCATION
NO SCALE

CIVIL ENGINEERING LEGEND

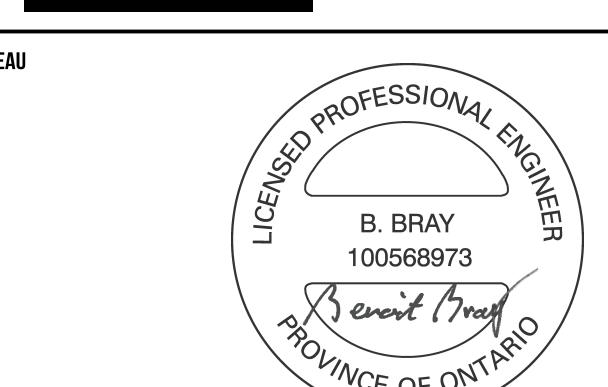
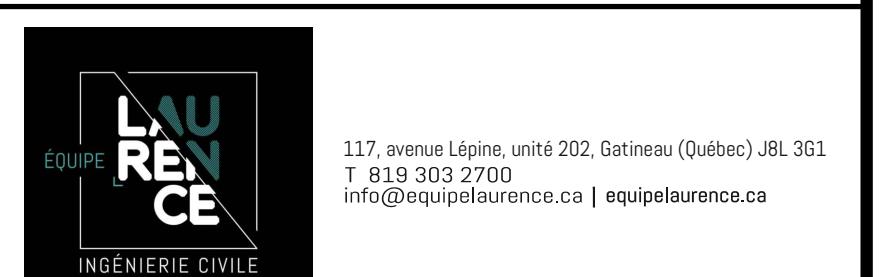


THIS DOCUMENT MUST
NOT BE USED FOR
CONSTRUCTION

C	FOR SITE PLAN APPLICATION	B.B.	2024-10-29
B	FOR COORDINATION	B.B.	2024-10-22
A	FOR UDRP	B.B.	2024-04-17
REV	DESCRIPTION	PAR	DATE

CLIENT
ÉDIFICE 110 O'CONNOR INC.
630, RUE ST-PAUL OUEST, MONTREAL
MONTRÉAL, (QC) H3C 1L9

PROJET
110 O'CONNOR STREET
OTTAWA



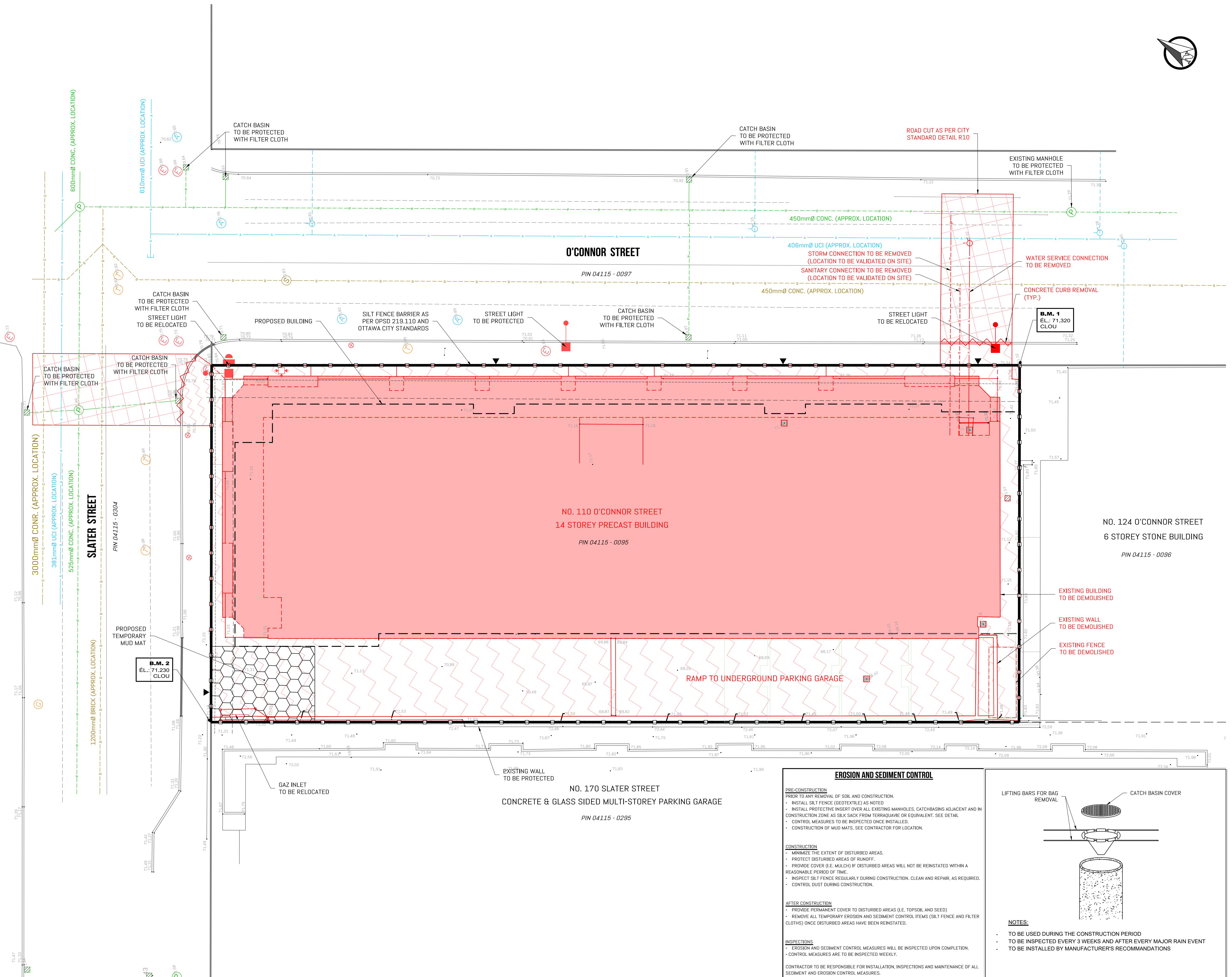
TITRE DU PLAN
TECHNICAL AND GENERAL SPECIFICATIONS,
LEGEND AND NOTES
LOCATION

ÉCHELLE
AUCUNE ÉCHELLE

ÉQUIPE DE PROJET
C. SAINT-MARTIN, tech.
V. MERCIER, ing.
B. BRAY, ing.
DOSSIER NO
600901
FICHE
C-201.dwg

PRÉPARE PAR
B. BRAY, ing.
NORTH

C-201



NOTE:

THE EXISTING AND PROPOSED SUBDIVISION WILL HAVE TO BE
VALIDATED BY THE SURVEYOR-GEOMETER ON FILE.

SURVEY AND LOTS INFORMATION PROVIDED BY
ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
DATE: JULY 18 2023
FILE NO.: V-53839
LANIMETRIC REFERENCE SYSTEM: MTM NAD 83 ZONE 9
ALTIMETRIC REFERENCE SYSTEM: CGVD28 HT2.0

SITE PLAN PREPARED BY
GEIGER HUOT ARCHITECTES
DATE: MARCH 21 2024
PROJECT: 24412-23

THE CONTRACTOR MUST NOTIFY ÉQUIPE LAURENCE, THE CONSULTANT, IF HE NOTICES ANY DISCREPANCIES BETWEEN THE INFORMATION PRESENTED ON THE PLANS AND THE MEASUREMENTS TAKEN ON SITE SO THAT ADJUSTMENTS CAN BE MADE.

WHEN APPLICABLE, HE MUST ALSO VERIFY THE ELEVATIONS OF EXISTING SEWERS BEFORE STARTING CONSTRUCTION AND MUST PROVIDE THE INFORMATION TO THE CONSULTANT.

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	FOR SITE PLAN APPLICATION	B.B. 2024-10-1
	FOR COORDINATION	B.B. 2024-10-1
	FOR UDRP	B.B. 2024-04-1
	DESCRIPTION	PAR
		DATE

ENTÉDITÉ
ÉDIFICE 110 O'CONNOR INC.
630, RUE ST-PAUL OUEST, MONTRÉAL
MONTRÉAL, (Qc) H3C 1L9

OBJET
110 O'CONNOR STREET
OTTAWA



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RE DU PLAN

PLAN VIEW

EXISTING ITEMS AND DEMOLITION

CONTROL EROSION PLAN

0 1.5 3 7.5

Page 1 of 1

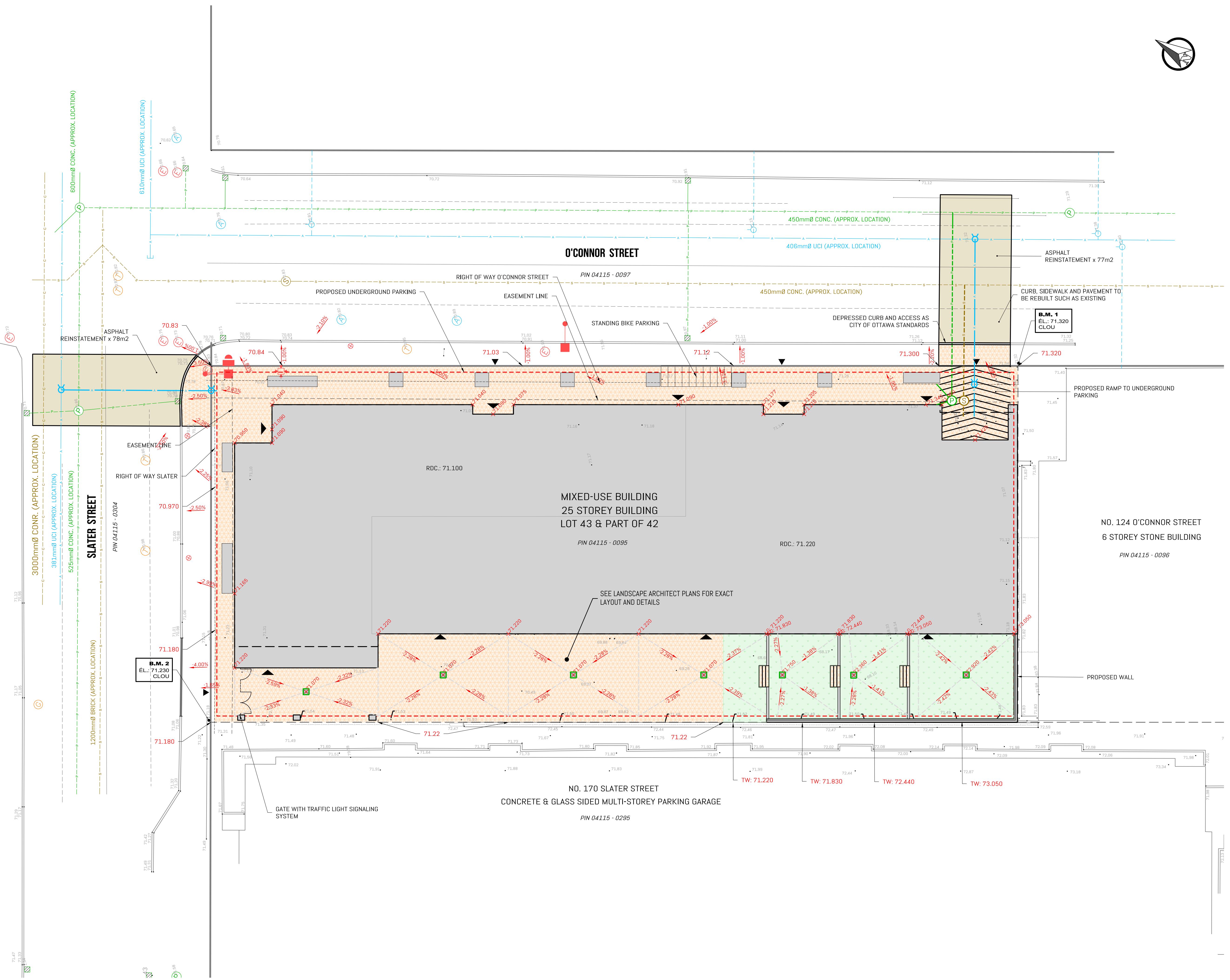
C. SAINT-MARTIN, tech.
V. MERCIER, ing.

C-202

B. BRAY, Ing.

Page 1 of 1

B. BRAY, ing.



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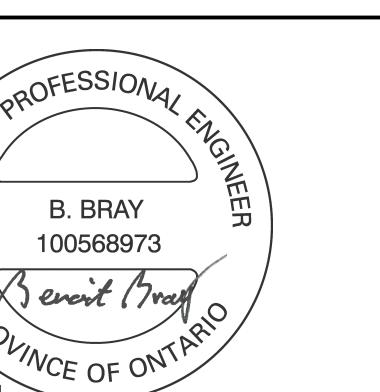
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FOR UDRP	B.B.	2024-04-
DESCRIPTION	PAR	DATE

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MONTRÉAL, (Qc) H3C 1L9**

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OTTAWA



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U PLAN PLAN VIEW SITE GRADING AND DRAINAGE PLAN

A horizontal number line with tick marks at -5, 0, 1.5, and 3. The tick marks are labeled 0, 1.5, and 3 from left to right. The line is labeled with -5 on the far left.

DE PROJET
C. SAINT-MARTIN, tech.
Y. MERCIER, ing.
B. BRAY, ing.

É PAR
B. BRAY, ing.

C-203

NOTE:

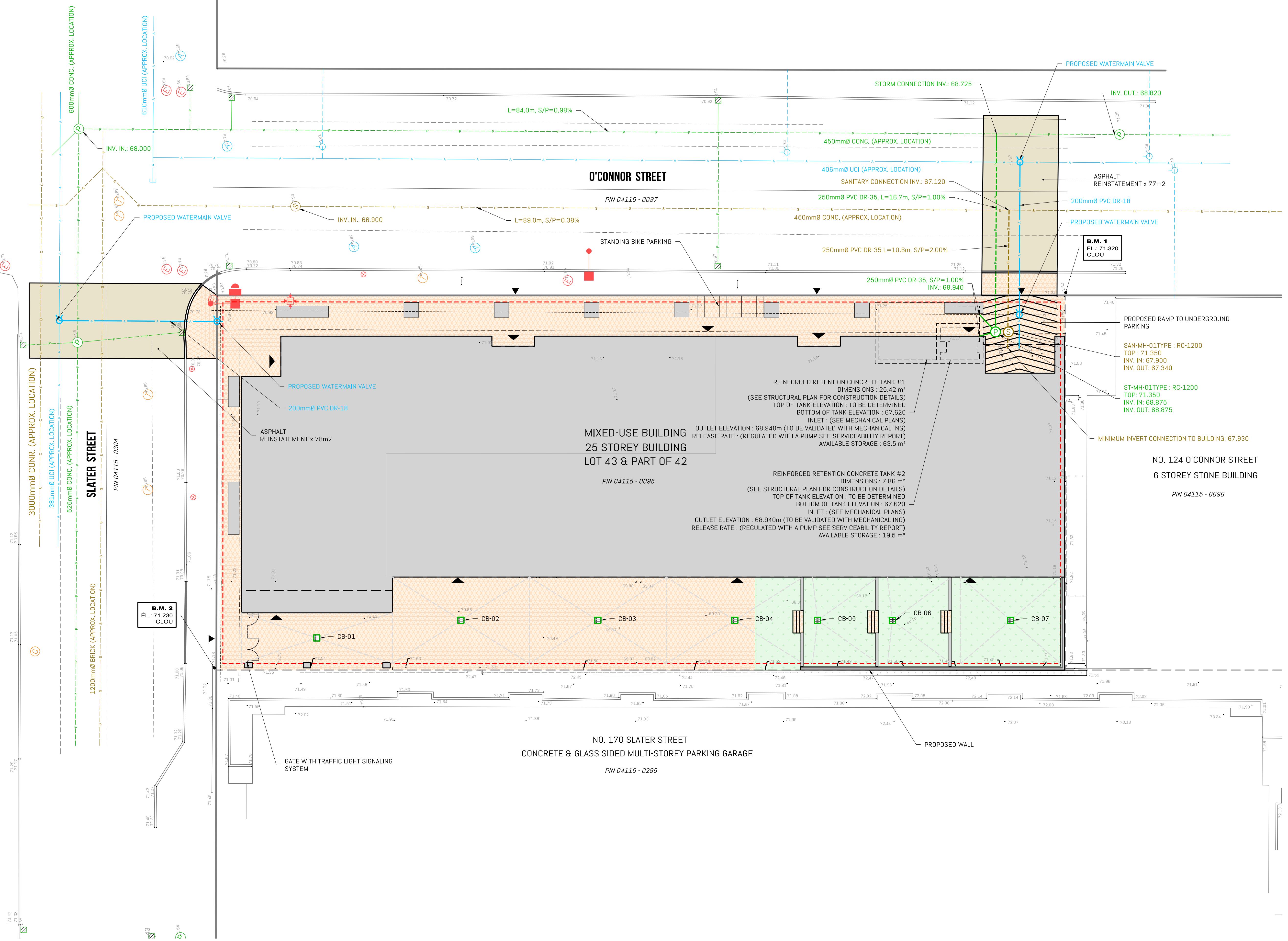
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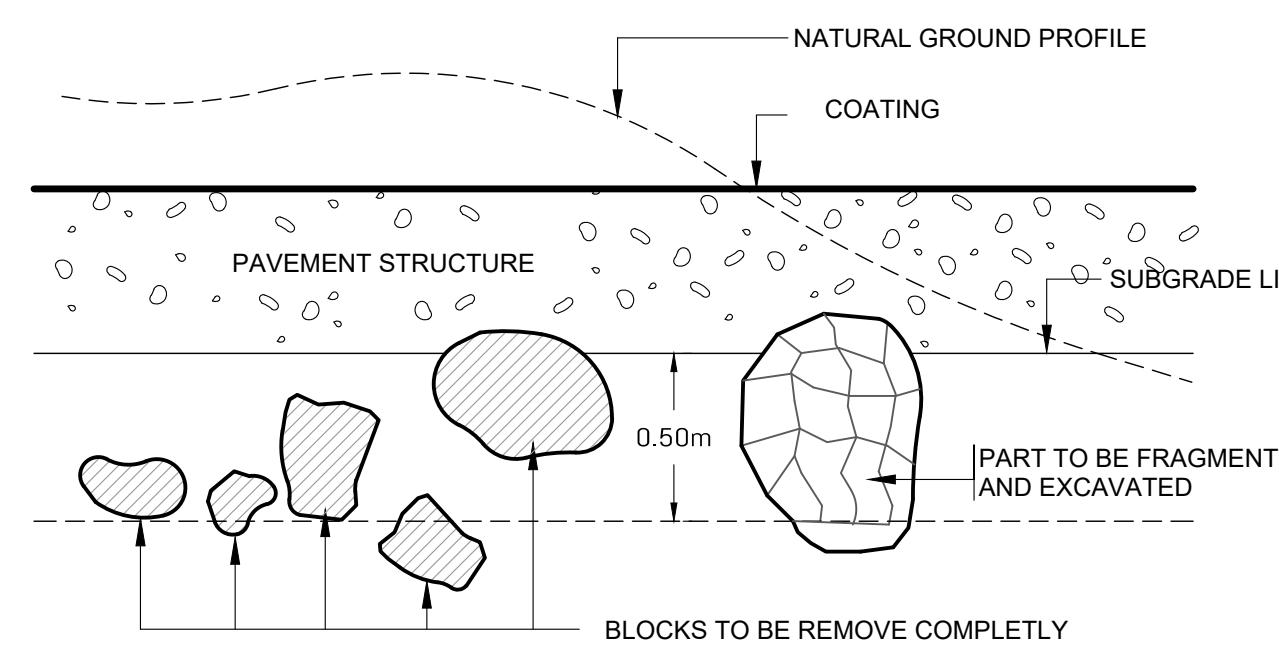
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THAT ADJUSTMENTS CAN BE MADE.
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TO THE CONSULTANT.

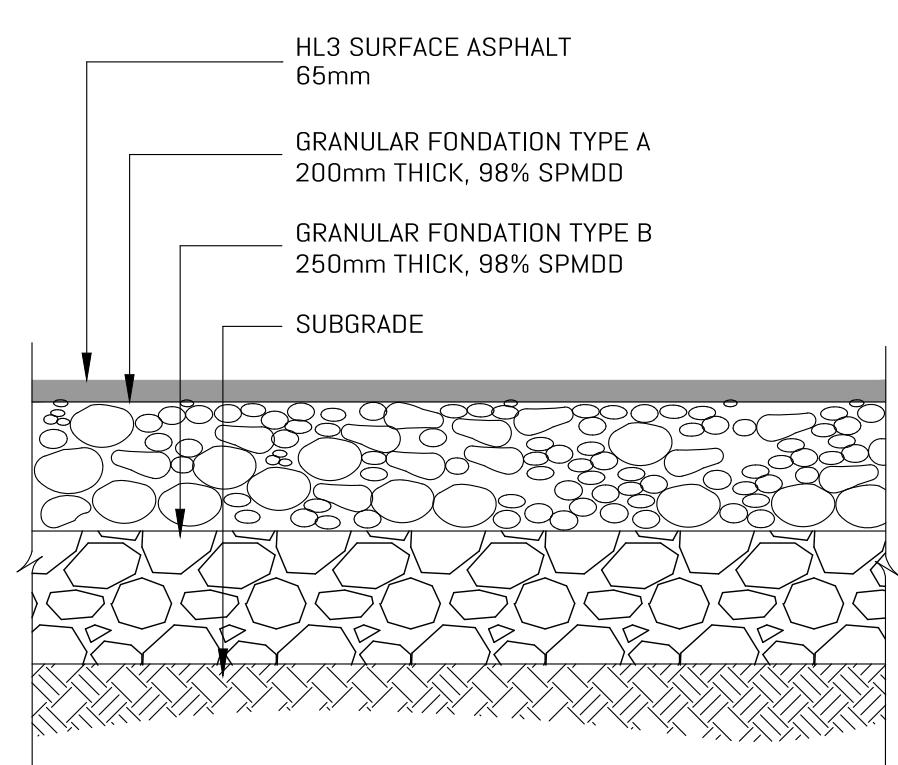
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NOTES:

- ALL BLOCKS OVER 250mm DIAMETER PRESENT IN THE FIRST 500 mm UNDER INFRASTRUCTURE LINE MUST BE REMOVED, FRAGMENTED AND EXCAVATED TO 500 mm DEPT.
- AFTER REMOVING BLOCKS, THE EXCAVATIONS HAVE TO BE RAISED TO DESIGN SUBGRADE LEVELS WITH APPROVED COMPACTABLE ON SITE SOIL.
- LIFTS OF 300mm THICK, COMPACTED AT 95% MSPDD
- AS AN ALTERNATIVE TO SUBEXCAVATION, A WOVEN GEOTEXTILE SEPARATOR, SUCH AS TERRATRACK 24-15, AMOCO 2002, MIRAFI 500XL OR EQUIVALENT, MAY BE PLACED OVER SPONGY AREAS PRIOR TO PLACING THE GRANULAR "B" SUB-BASE LAYER.



PARKING AND ACCESS FOUNDATION ASPHALT SURFACE

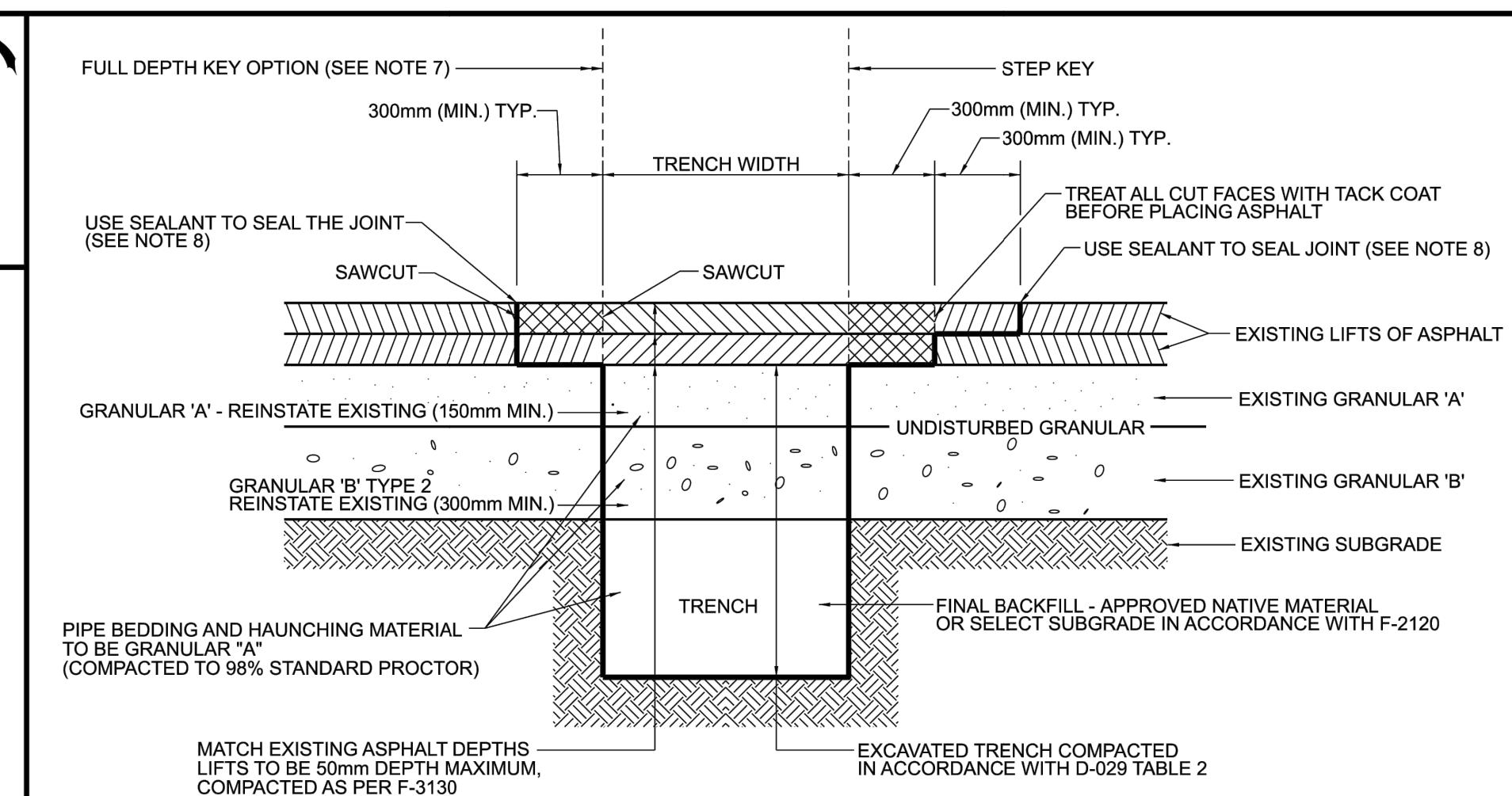
(TO BE VERIFIED BY GEOTECHNICAL ENGINEER)

SUBGRADE PREPARATION DETAIL



STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE

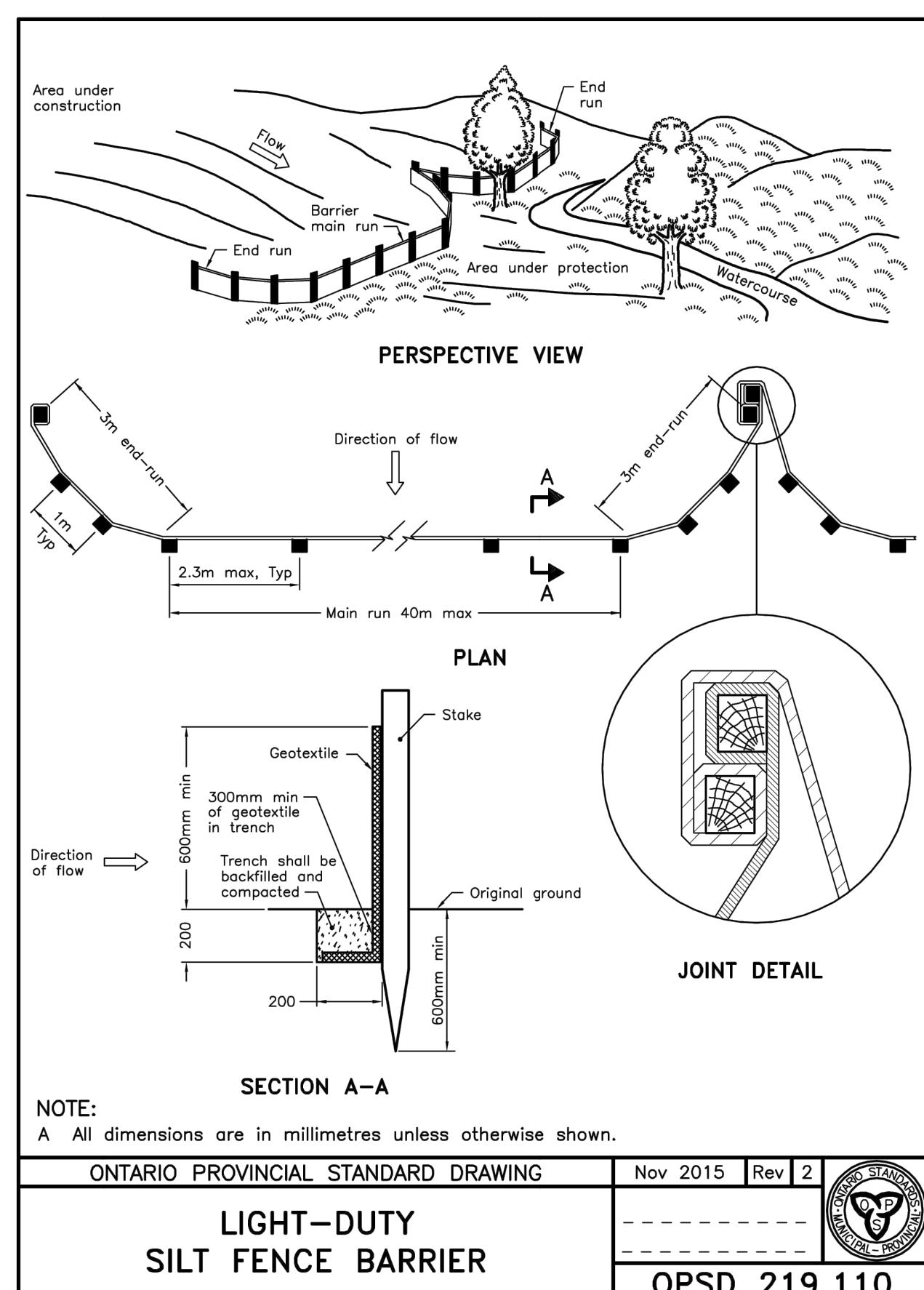
DATE: MAY 2021
REF. NO.: 100568973
REV. NO.: 0
DWG. NO.: R10
N.T.S.



NOTES:

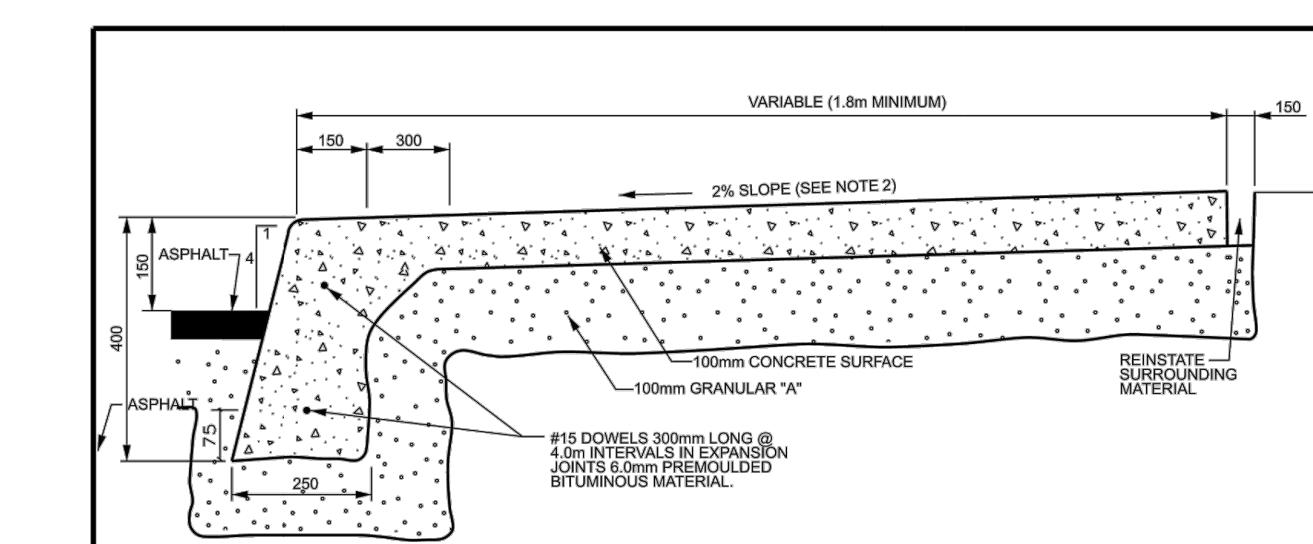
- ALL EXISTING ASPHALT TO BE SAW CUT.
- UNLESS SPECIFIED ELSEWHERE, SURFACE COURSE ASPHALT SUPERPAVE 12.5mm AND 19.00mm LEVEL B (PG58-34) IS TO BE USED.
- UNLESS SPECIFIED ELSEWHERE, ASPHALT MIX SHALL BE LEVEL B (PG58-34) FOR NON-BUS LOCAL ROADS, AND LEVEL D (PG 64-34) FOR ALL OTHER ROADS.
- UNLESS SPECIFIED ELSEWHERE, WHERE EXISTING PAVEMENT STRUCTURE EXCEEDS 150mm IN DEPTH, ASPHALT SUPERPAVE 19.00mm LEVEL B (PG58-34) SHALL BE USED. FOR ALL OTHER ROADS, THE EXISTING PAVEMENT SHALL BE 150mm OR LESS IN DEPTH. IN THESE CASES, THE EXISTING PAVEMENT SHALL BE REMOVED AND A NEW PAVEMENT LAYER OF ASPHALT SUPERPAVE 19.00mm LEVEL B (PG58-34) SHALL BE PLACED IN LIFTS.
- UNLESS SPECIFIED ELSEWHERE, WHERE AN UNDERLYING LAYER OF CONCRETE PAVEMENT EXISTS, REINSTATEMENT SHALL CONSIST OF 150mm OF SUPERPAVE 19.00mm LEVEL B (PG58-34) COMPACTED IN LIFTS.
- STEP KEY REINSTATEMENT TO BE IMPLEMENTED UNLESS FULL DEPTH KEY OPTION APPROVED BY THE CITY.
- ALL EDGES TO BE ROUTED AND SEALED WITH A BEAD OF HOT RUBBERIZED ASPHALT JOINT SEALING COMPOUND.

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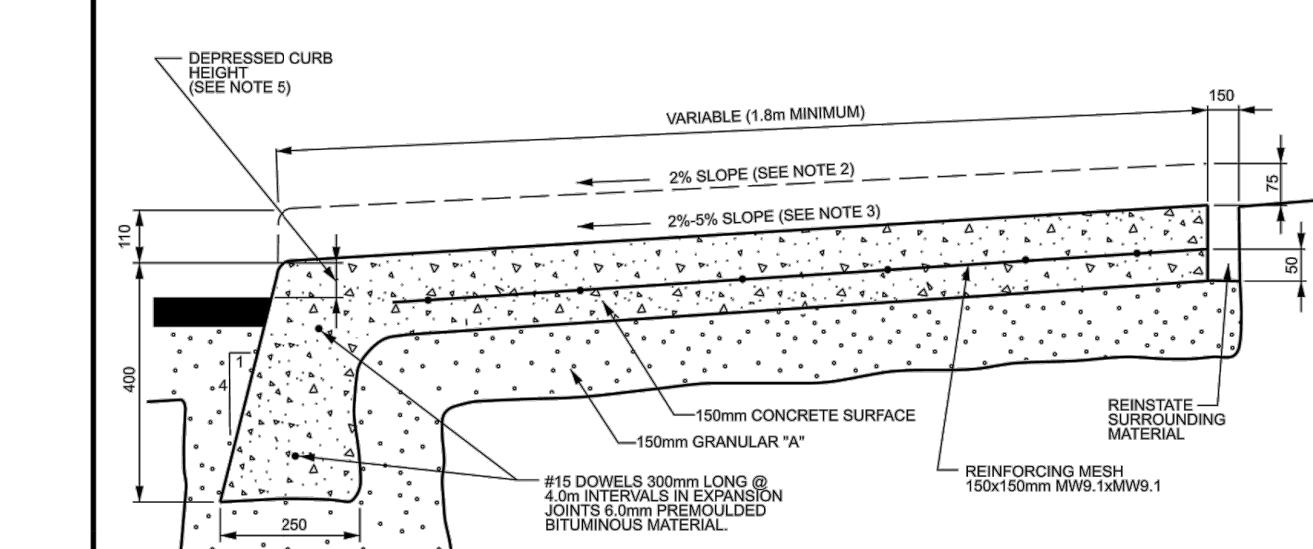


NOTE:
A All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING	Nov 2015	Rev 2	
LIGHT-DUTY SILT FENCE BARRIER			
OPSD 219.110			



TYPICAL SIDEWALK SECTION



SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
- THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
- FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%.
- EXPANSION AND DUMMY JOINTS AS PER SCS.
- DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

N.T.S.

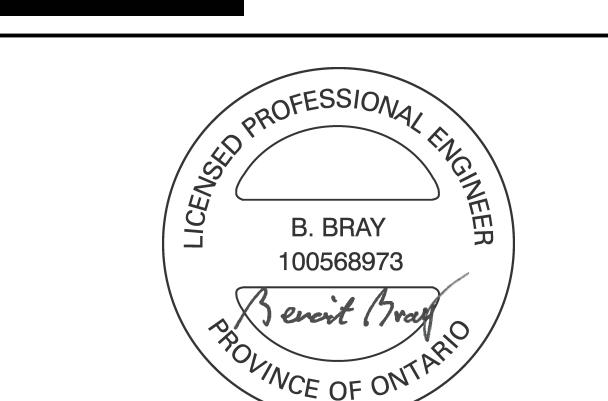
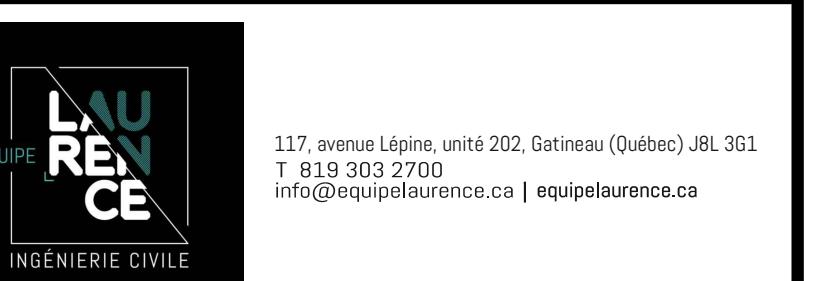
Ottawa | MONOLITHIC CONCRETE CURB
AND SIDEWALK

DATE: MAY 2021
REV. DATE: MAY 2021
DWG. NO.: SC2

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PROJET
110 O'CONNOR STREET
OTTAWA



TITRE DU PLAN STANDARD SECTIONS AND DETAILS

ÉCHELLE
AUCUNE ÉCHELLE

ÉQUIPE DE PROJET
C. SAINT-MARTIN, tech.
V. MERCIER, ing.
B. BRAY, ing.

DOSSIER NO
600901

FICHIER
C-206.dwg

PRÉPARE PAR
B. BRAY, ing.

C-205

TOTAL FIRE FLOW CONTRIBUTION : 76 000 L/min
FIRE DEMAND : 6000 L/min

100m from
building footprint

75m from building footprint

building footprint

- HYDRANTS ≤ 75m
- HYDRANTS > 75m & ≤ 150m
- HYDRANTS > 150m

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MONTRÉAL (Qc) H3C 1L9**

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info@equinelaurence.ca [L'equinelaurence.ca](http://equinelaurence.ca)



TITRE DU PLAN

FIRE HYDRANT COVERAGE MAP

ÉCHELLE

ÉQUIPE DE PROJET	DOSSIER NO
C. SAINT-MARTIN, tech.	600901
V. MERCIER, ing.	
B. BRAY, ing.	
	FICHIER
	S-225-1

PRÉPARÉ PAR
B. BRAY, ing.

C-206

C-206