GROUPE MACH INC.

PROJET: 77 METCALFE STREET, OTTAWA

DOSSIER NO: DATE D'ÉMISSION: 601101 2025-08-19

SHEET LIST TABLE

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C-203	X	PLAN VIEW	SITE GRADING AND DRAINAGE PLAN
C-204	X	PLAN VIEW	SITE SERVICING PLANS AND DRAINAGE AREA
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C-206	X	STANDARD SECTIONS AND DETAILS	
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HISTORIQUE DES ÉMISSIONS

	DATE	DESCRIPTION
	2025-05-02	FOR UDRP
	2025-05-05	FOR COORDINATION
	2025-05-30	FOR COORDINATION 60%
	2025-07-09	FOR SITE PLAN APPLICATION
(2025-08-19	FOR SITE PLAN APPLICATION REVISION 1
(2025-07-09	FOR SITE PLAN APPLICATION



135, boulevard de Sainte-Adèle, Sainte-Adèle (Qc) J8B 0J4 T 450 227 1857 info@equipelaurence.ca | equipelaurence.ca

TECHNICAL AND GENERAL SPECIFICATIONS

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: GROUPE MACH 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 stake holders 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 urbain 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
- Filtering berm and sediment trap
- Straw bale filter

Sedimentation pond

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

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 area and by importing suitable fill materials.

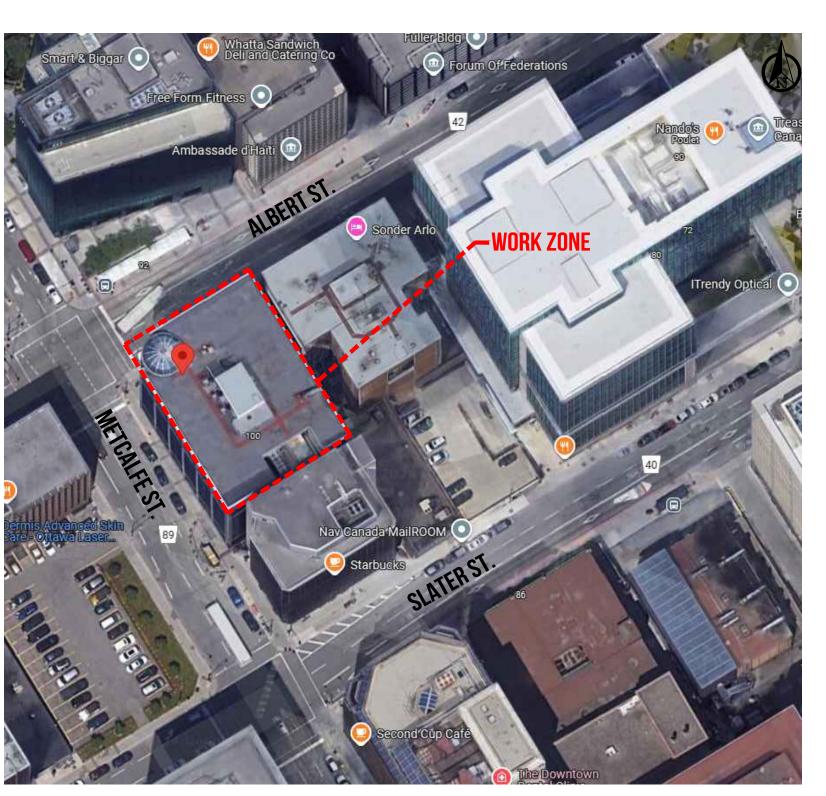
The approved subgrade may be raised to design subgrade level with approved compactable on-site soil, providing it is placed in maximum 300 mm thick lifts and each lift is compacted to at least 95% of the material's SPMDD. As an alternative to subexcavation, a woven geotextile separator, such as Terratrack 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.

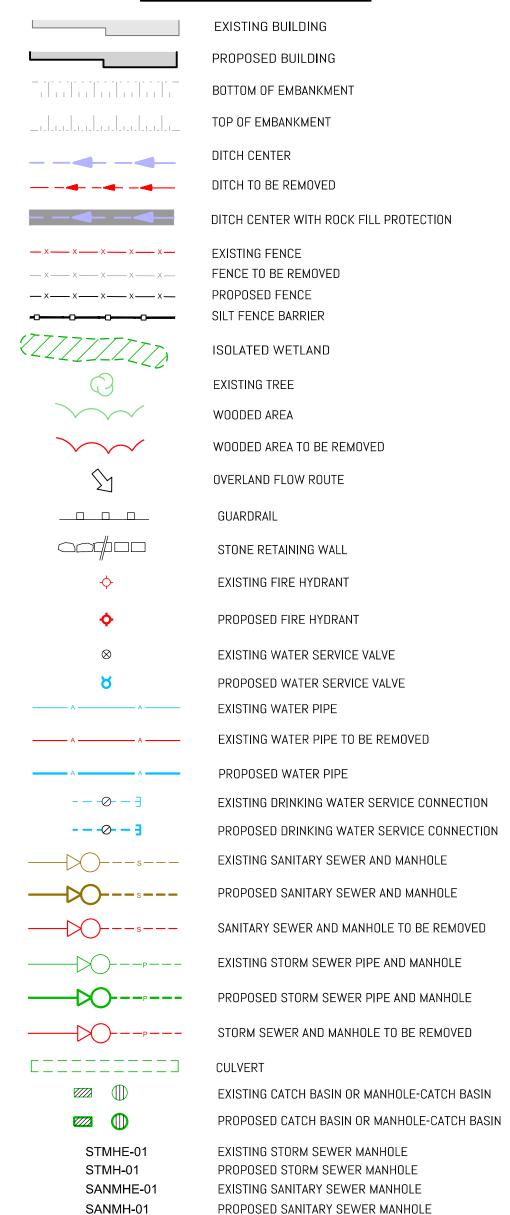
Concrete sidewalk as per OPSD 310.010. Foundation consist of 150 mm minimum of granular 'A' material. Sidewalk concrete thickness shall be 200 mm.

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



PROJECT LOCATION

CIVIL ENGINEERING LEGEND



LIGHTNING UNIT

EXISTING GAS PIPELINE

PAVER SIDEWALK

GRANULAR SURFACE

OVERHEAD WIRING AND GUY WIRE

BELL CANADA UNDERGROUND CABLE

UNDERGROUND ELECTRICAL WIRE

PROPOSED CONCRETE SIDEWALK/SLAB

PROPOSED ASPHALT SURFACE

PROPOSED GRASS SURFACE

PROPOSED TEMPORARY MUD MAT

PROPOSED STONES SURFACE

PROPOSED GRANITE STONES

PROPOSED ELEVATION

G: _{26.650} ×

.25.30

-3.00%

EXISTING SURFACE TO BE REMOVED

EXISTING ASPHALT SURFACE TO BE REMOVED

PROPOSED ELEVATION OF CONCRETE CURB

PROPOSED ELEVATION OF CONCRETE SLAB

PROPOSED TOP ELEVATION OF GRASS

EXISTING ELEVATION OF SURFACE

GRADING SLOPES

NORTH

PROPOSED TOP ELEVATION OF SIDEWALK

PROPOSED TOP ELEVATION OF RETAINING WALL

PROPOSED BOTTOM ELEVATION OF RETAINING WALL

FOR SITE PLAN APPLICATION REVISION 1 B.B. 2025-08-19 FOR SITE PLAN APPLICATION B.B. 2025-07-09 FOR COORDINATION 60% B.B. 2025-05-30 FOR COORDINATION B.B. 2025-05-05 FOR UDRP B.B. 2025-05-03 DESCRIPTION PAR DATE

THIS DOCUMENT MUST

NOT BE USED FOR

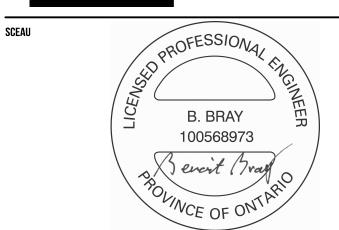
CONSTRUCTION

GROUPE MACH INC. 600-630, RUE SAINT-PAUL OUEST MONTRÉAL, QC H3C 1L9

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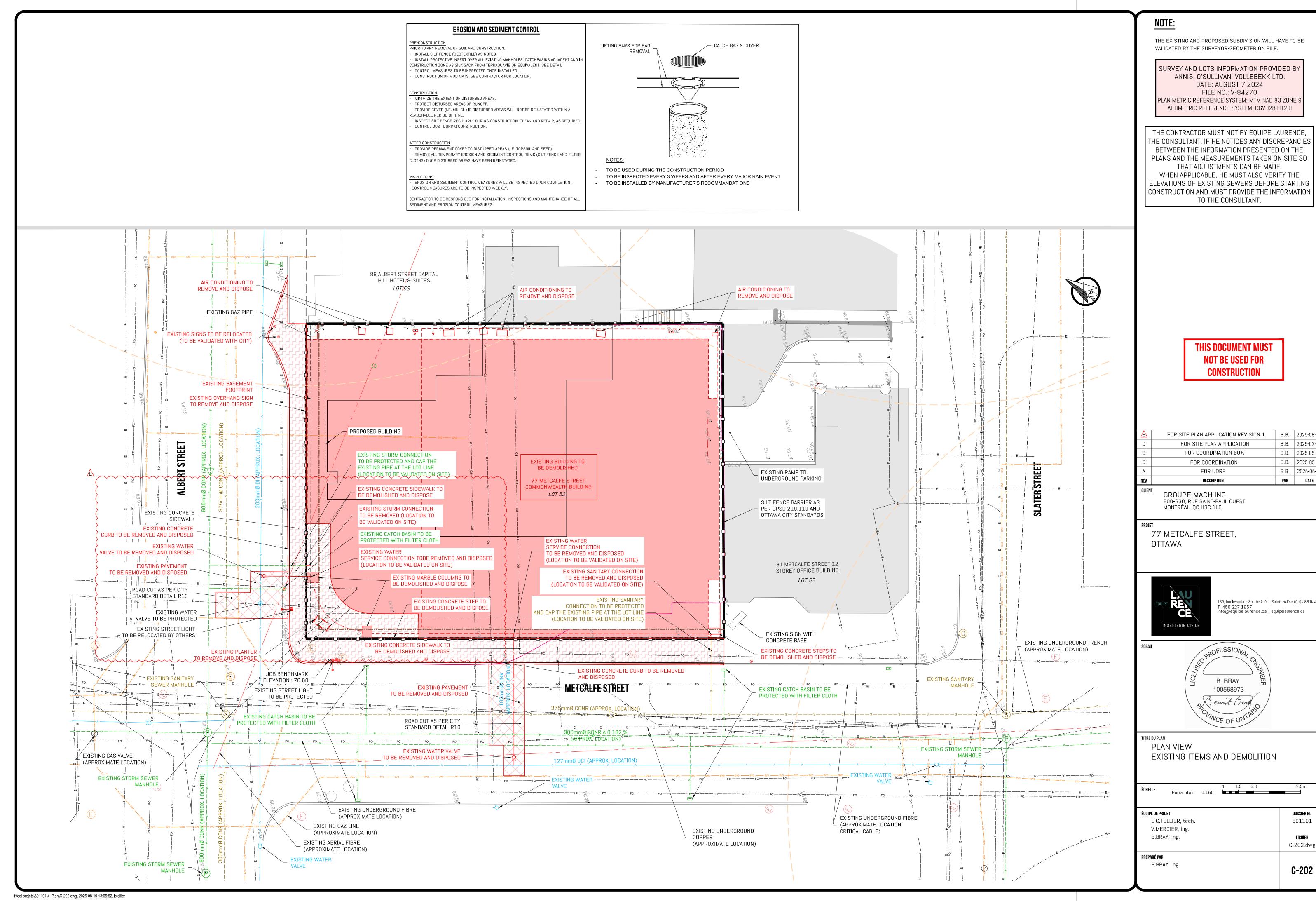


TECHNICAL AND GENERAL SPECIFICATIONS, LEGEND AND NOTES LOCATION

ÉCHELLE AUCUNE ÉCHELLE

ÉQUIPE DE PROJET DOSSIER NO L-C.TELLIER, tech. 601101 V.MERCIER, ing. B.BRAY, ing. C-201.dwg PRÉPARÉ PAR B.BRAY, ing. C-201

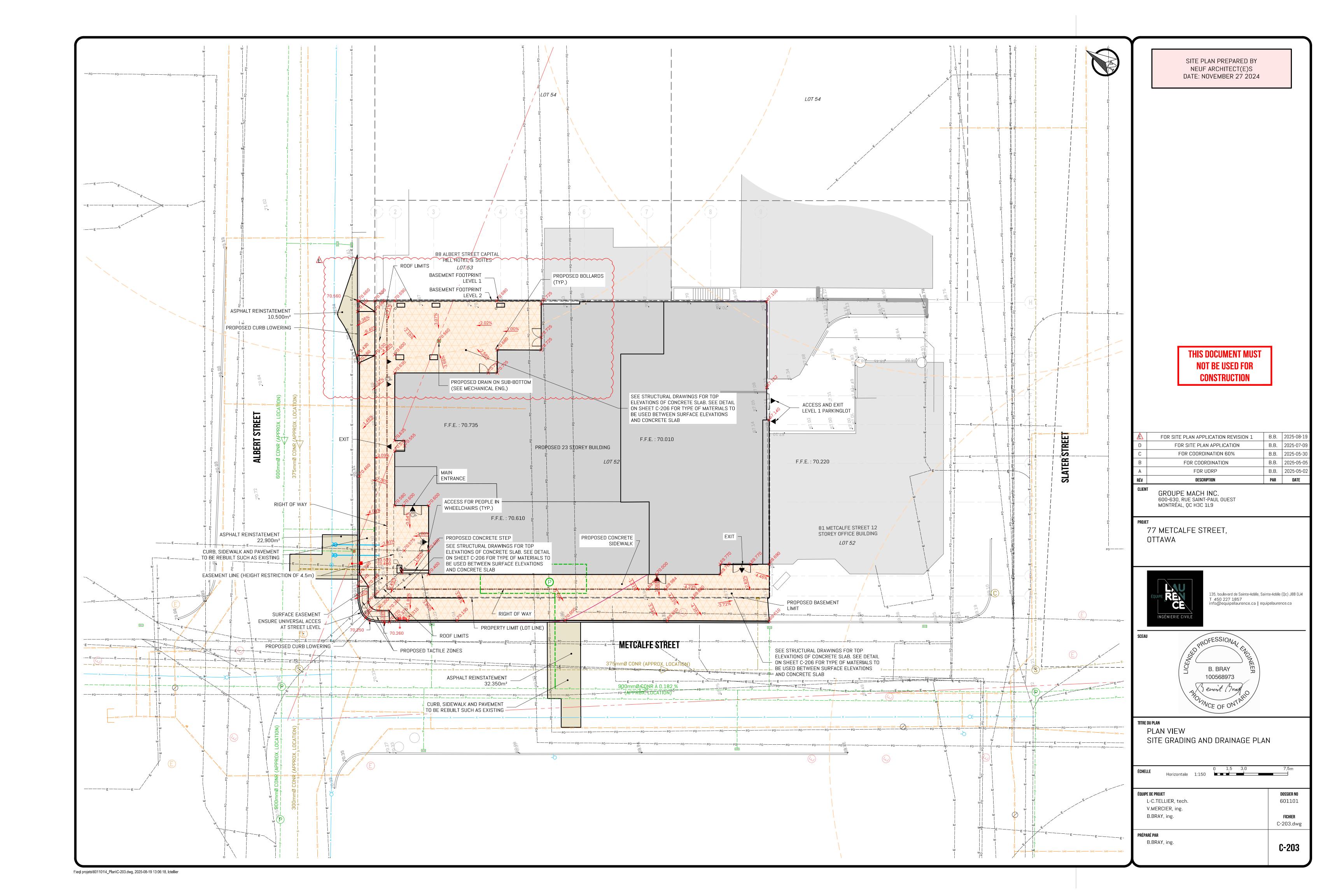
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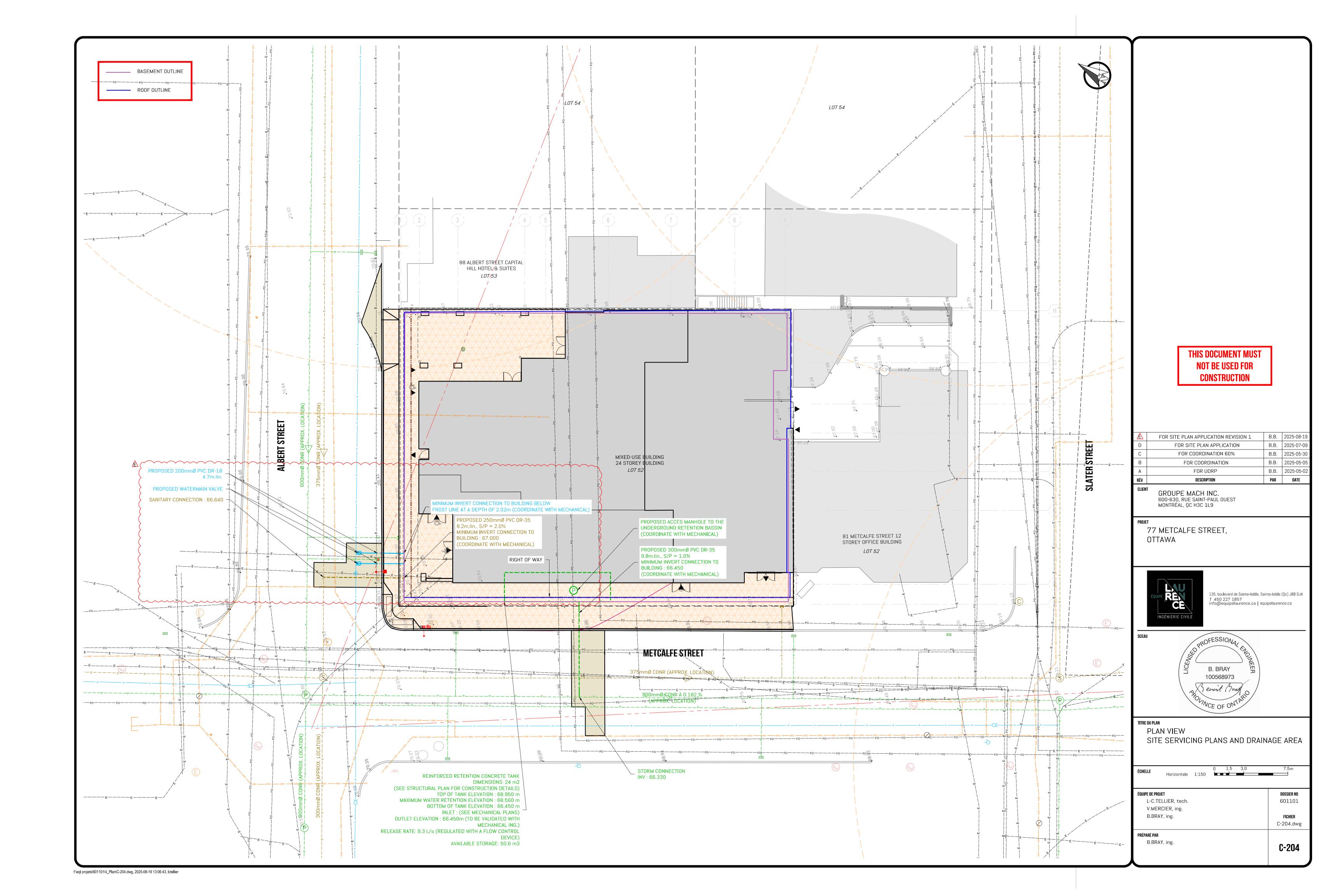


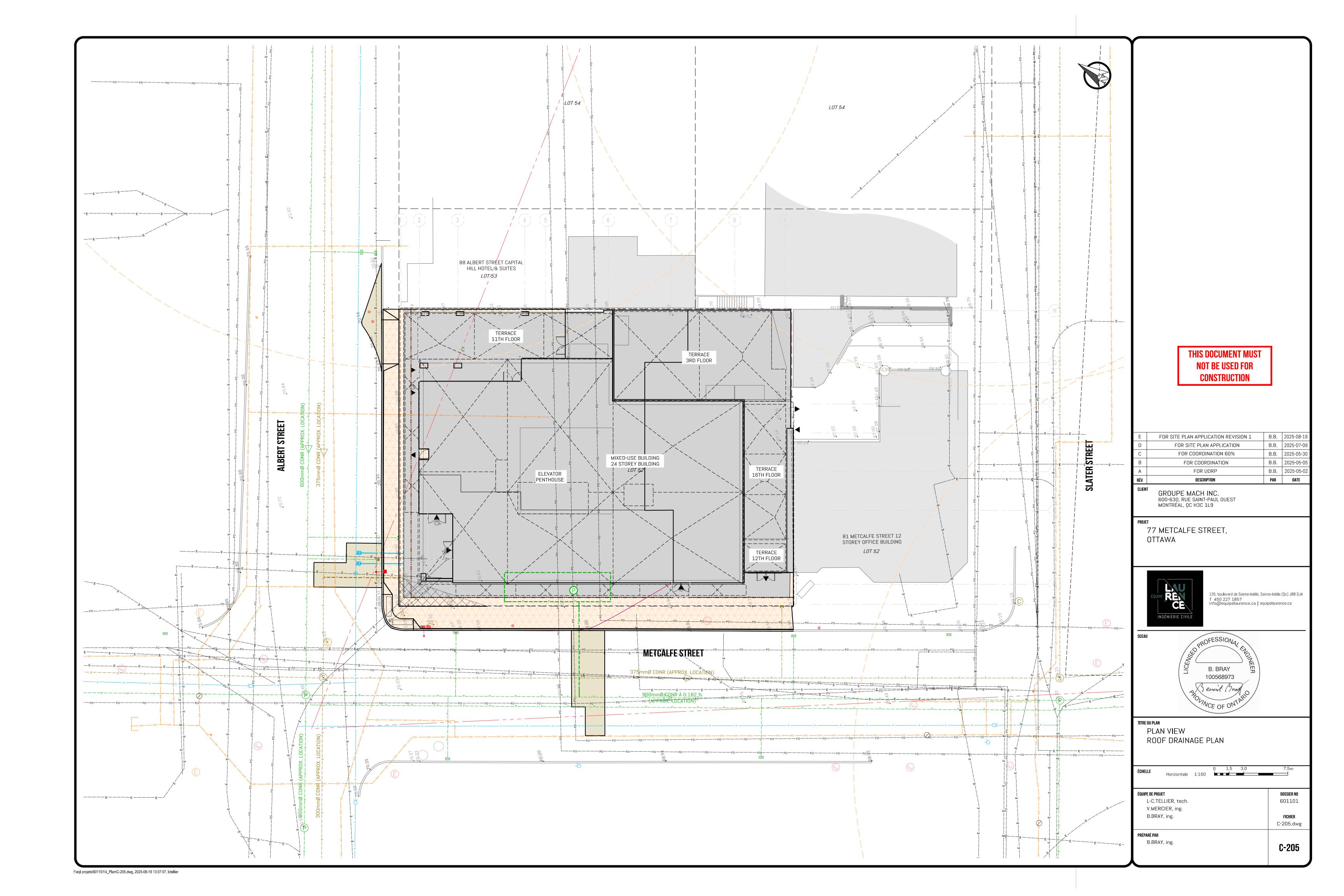
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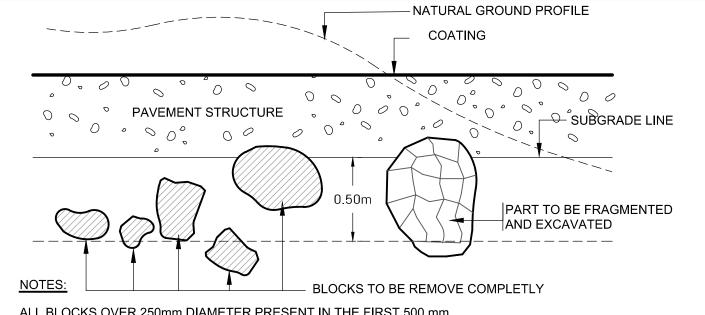
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DOSSIER NO 601101 C-202.dwg







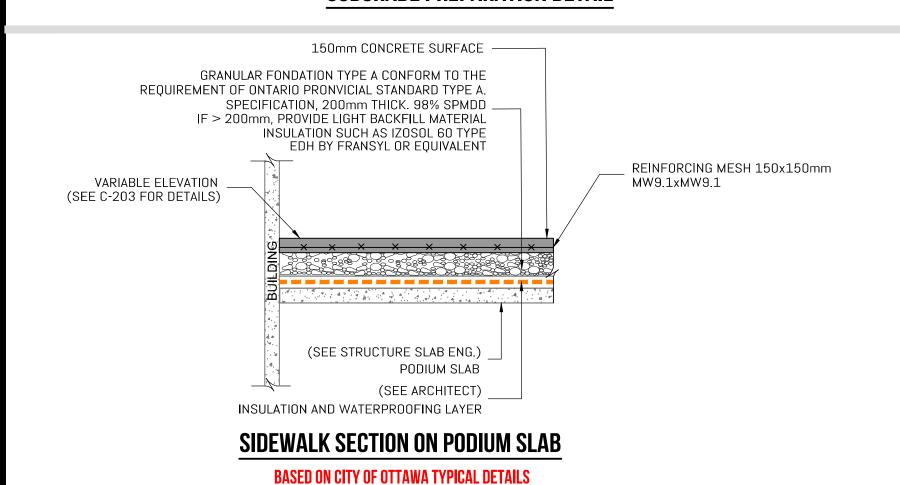


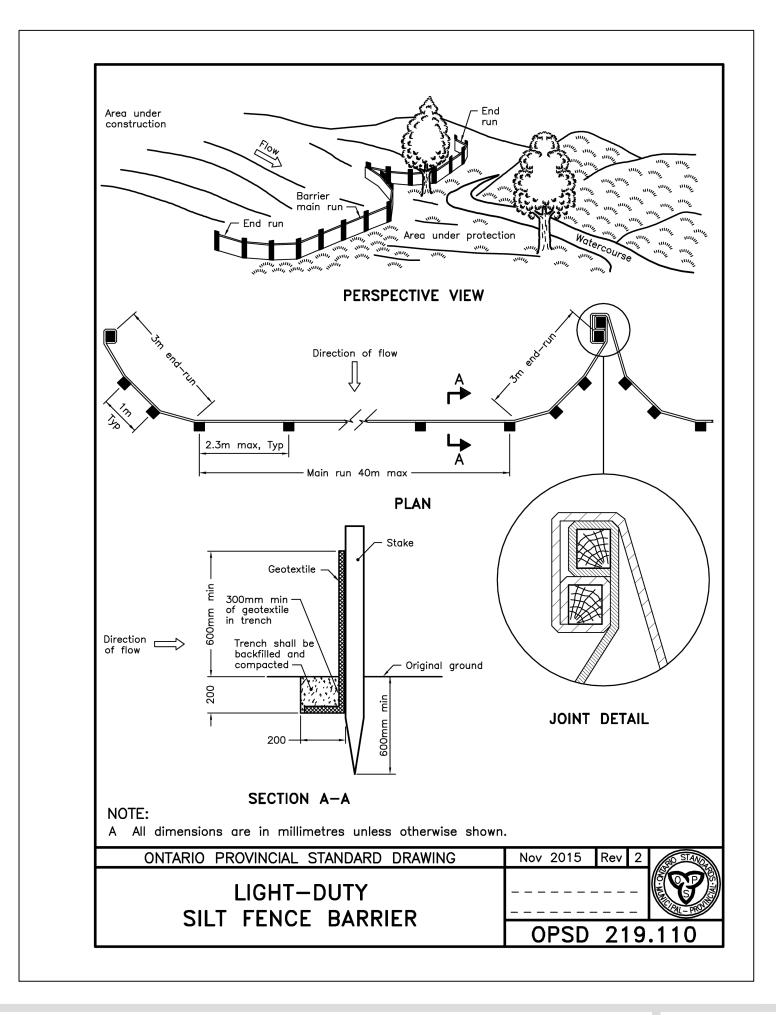
ALL BLOCKS OVER 250mm DIAMETER PRESENT IN THE FIRST 500 mm UNDER INFRASTRUCTURE LINE MUST BE REMOVED, FRAGMENTED AND EXCAVATED TO 500 mm DEPT;

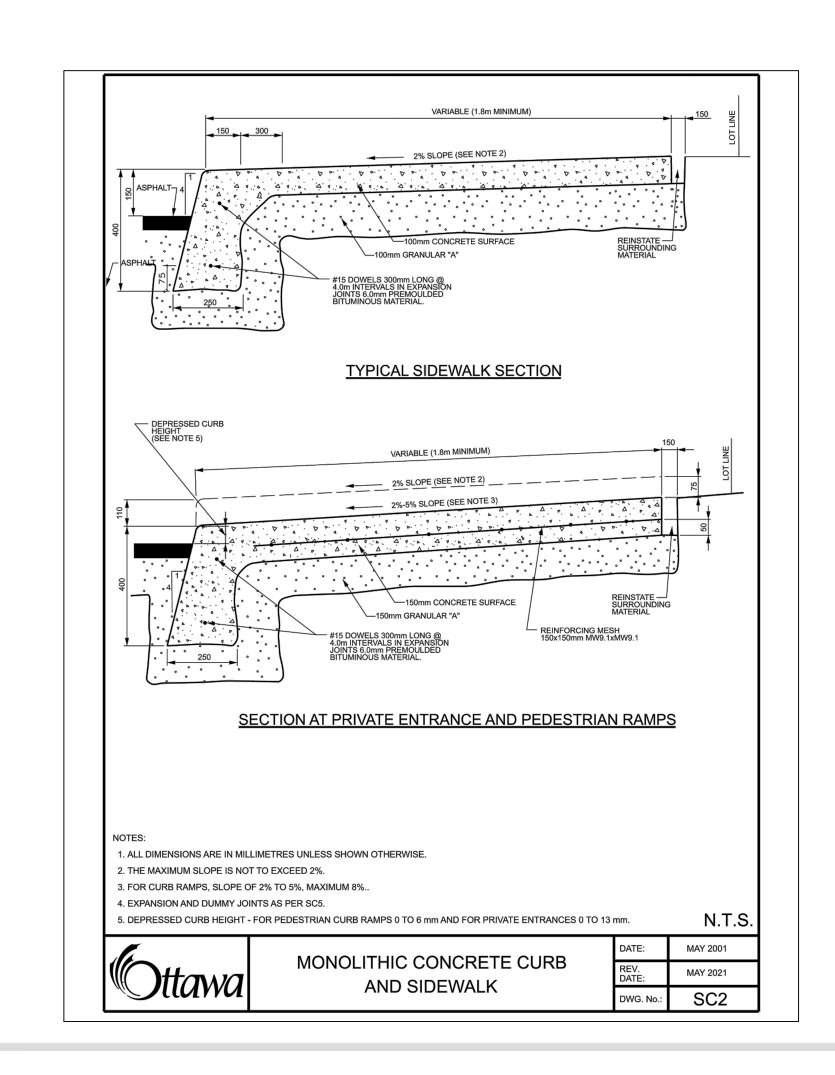
- AFTER REMOVING BLOCKS, THE EXCAVATIONS HAVE TO BE RAISED TO DESIGN SUBGRADE LEVELS WITH APPROVED COMPACTABLE ON SITE SOIL.

- 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.

SUBGRADE PREPARATION DETAIL









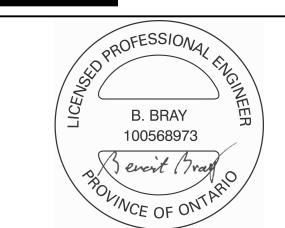
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STANDARD SECTIONS AND DETAILS

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 ÉQUIPE DE PROJET
 DOSSIER NO

 L-C.TELLIER, tech.
 601101

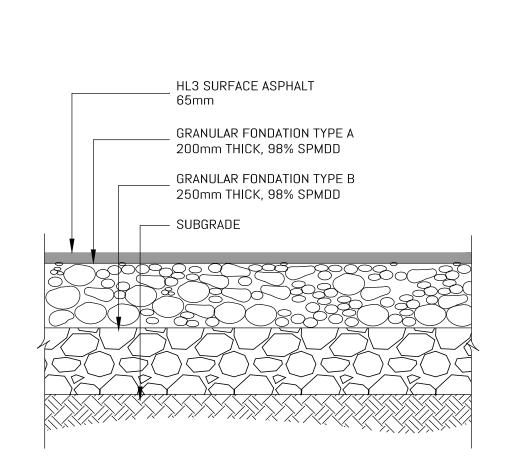
 V.MERCIER, ing.
 FICHIER

 B.BRAY, ing.
 FICHIER

 C-206.dwg

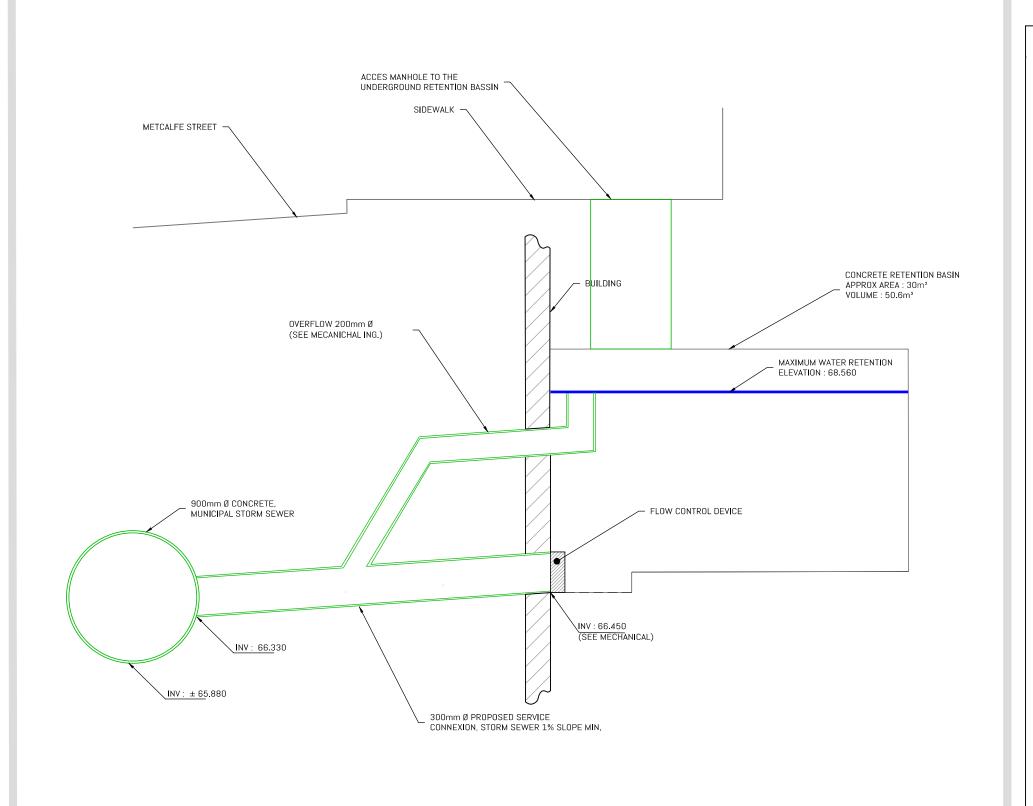
 PRÉPARÉ PAR

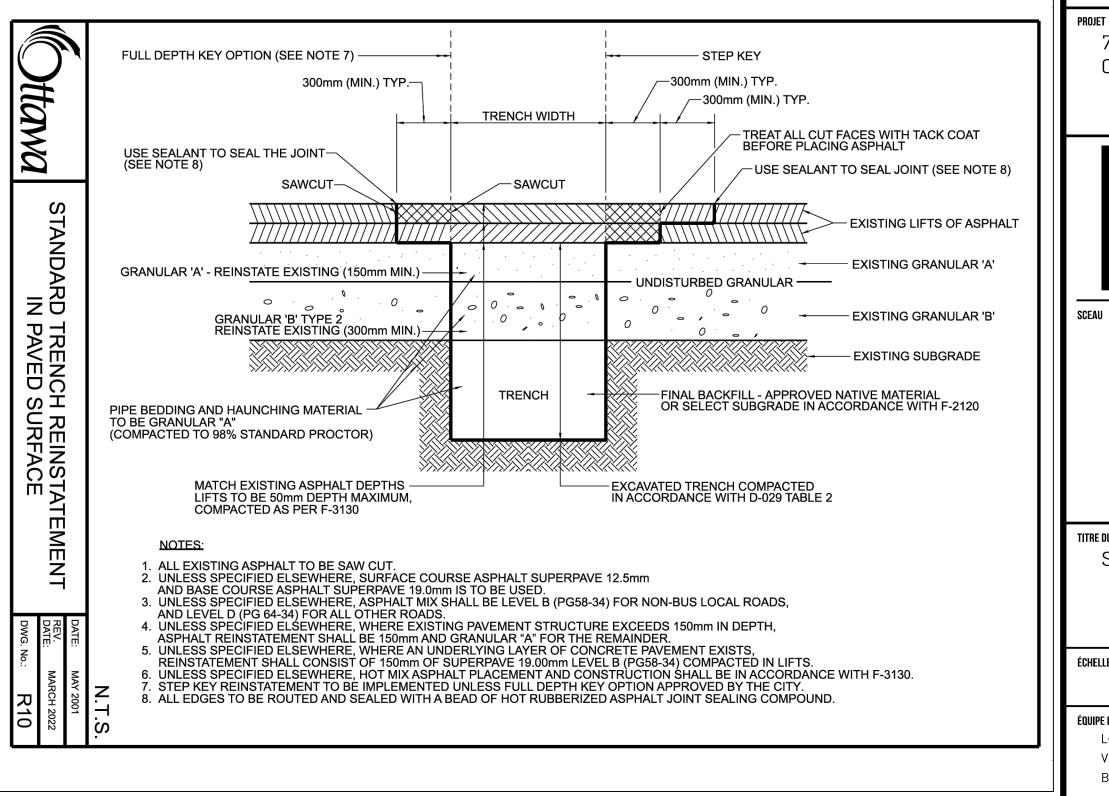
 B.BRAY, ing.
 C-206.



PARKING AND ACCESS
FOUNDATION ASPHALT SURFACE

(TO BE VERIFIED BY GEOTECHNICAL ENGINEER)







THIS DOCUMENT MUST **NOT BE USED FOR** CONSTRUCTION

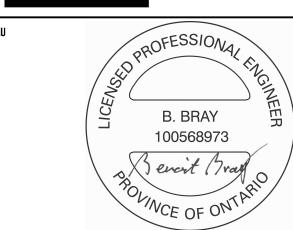
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FIRE HYDRANT COVERAGE MAP

CONCLLE	AUCUNE ÉCHELLE	
ÉQUIPE DE PROJET		DOSSIER NO
L-C.TELLIER, tech.		601101
V.MERCIER, ing.		
B.BRAY, ing.		FICHIER
		C-207.dwg

B.BRAY, ing.

C-207