

BÂTIMO DÉVELOPPEMENT INC.

**PROJET: LIB ORLÉANS 500 FAMILLE-CÔTÉ AVENUE
OTTAWA**

**DOSSIER NO: 601401
DATE D'ÉMISSION: 2026-05-20**

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SHEET NUMBER	EMIS	TITRE		
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HISTORIQUE DES ÉMISSIONS

DATE	DESCRIPTION
2025-09-15	FOR UDRP
2025-12-11	FOR SITE PLAN APPLICATION
2026-02-05	FOR SITE PLAN APPLICATION REV.01
2026-05-08	FOR COORDINATION
2026-05-20	FOR SITE PLAN APPLICATION REV.02



135, boulevard de Sainte-Adèle, Sainte-Adèle (Qc) J8B 0J4
T 450 227 1857
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: BÂTIMO DÉVELOPPEMENT 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 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 SPM00. 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 of granular 'A' material.



PROJECT LOCATION
NO SCALE

CIVIL ENGINEERING LEGEND

	EXISTING BUILDING
	PROPOSED BUILDING
	BOTTOM OF EMBANKMENT
	TOP OF EMBANKMENT
	DITCH CENTER
	DITCH TO BE REMOVED
	DITCH CENTER WITH ROCK FILL PROTECTION
	EXISTING FENCE
	FENCE TO BE REMOVED
	PROPOSED FENCE
	SILT FENCE BARRIER
	ISOLATED WETLAND
	EXISTING TREE
	WOODED AREA
	WOODED AREA TO BE REMOVED
	OVERLAND FLOW ROUTE
	GUARDRAIL
	STONE RETAINING WALL
	EXISTING FIRE HYDRANT
	PROPOSED FIRE HYDRANT
	EXISTING WATER SERVICE VALVE
	PROPOSED WATER SERVICE VALVE
	EXISTING WATER PIPE
	EXISTING WATER PIPE TO BE REMOVED
	PROPOSED WATER PIPE
	EXISTING DRINKING WATER SERVICE CONNECTION
	PROPOSED DRINKING WATER SERVICE CONNECTION
	EXISTING SANITARY SEWER AND MANHOLE
	PROPOSED SANITARY SEWER AND MANHOLE
	SANITARY SEWER AND MANHOLE TO BE REMOVED
	EXISTING STORM SEWER PIPE AND MANHOLE
	PROPOSED STORM SEWER PIPE AND MANHOLE
	STORM SEWER AND MANHOLE TO BE REMOVED
	CULVERT
	EXISTING CATCH BASIN OR MANHOLE-CATCH BASIN
	PROPOSED CATCH BASIN OR MANHOLE-CATCH BASIN
	EXISTING STORM SEWER MANHOLE
	PROPOSED STORM SEWER MANHOLE
	EXISTING SANITARY SEWER MANHOLE
	PROPOSED SANITARY SEWER MANHOLE
	LIGHTNING UNIT
	OVERHEAD WIRING AND GUY WIRE
	EXISTING GAS PIPELINE
	BELL CANADA UNDERGROUND CABLE
	UNDERGROUND ELECTRICAL WIRE
	PROPOSED ASPHALT SURFACE
	PROPOSED CONCRETE SIDEWALK/SLAB
	PAVER SIDEWALK
	PROPOSED GRASS SURFACE
	GRANULAR SURFACE
	PROPOSED TEMPORARY MUD MAT
	PROPOSED STONES SURFACE
	PROPOSED GRANITE STONES
	EXISTING ASPHALT SURFACE TO BE REMOVED
	EXISTING SURFACE TO BE REMOVED
	PROPOSED ELEVATION
	PROPOSED ELEVATION OF CONCRETE CURB
	PROPOSED ELEVATION OF CONCRETE SLAB
	PROPOSED TOP ELEVATION OF SIDEWALK
	PROPOSED TOP ELEVATION OF RETAINING WALL
	PROPOSED BOTTOM ELEVATION OF RETAINING WALL
	EXISTING ELEVATION OF SURFACE
	GRADING SLOPES
	NORTH

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

RÉV	DESCRIPTION	PAR	DATE
E	FOR SITE PLAN APPLICATION REV.02	B.B.	2026-05-20
D	FOR COORDINATION	B.B.	2026-05-08
C	FOR SITE PLAN APPLICATION REV.01	B.B.	2026-02-05
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A	FOR UDRP	B.B.	2025-09-15

CLIENT
BÂTIMO DÉVELOPPEMENT INC.
SUITE 400-6485, RUE DORIS-LUSSIER
BOISBRIAND, QUÉBEC
J7H 0E8

PROJET
LIB ORLÉANS
500 FAMILLE-CÔTÉ AVENUE
OTTAWA



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

ÉCHELLE
AUCUNE ÉCHELLE

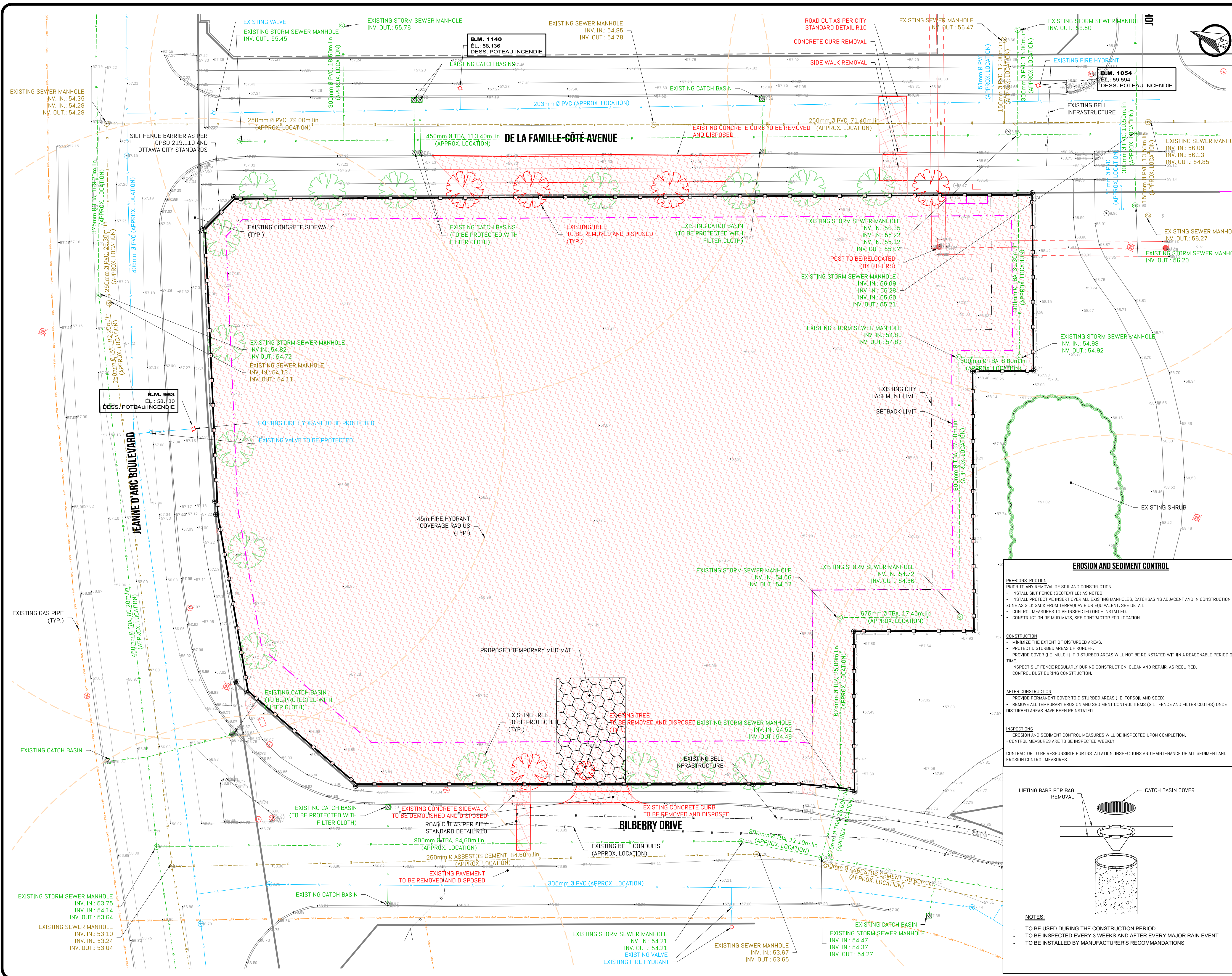
ÉQUIPE DE PROJET
L.-C. TELLIER, tech.
V. MERCIER, ing.

DOSSIER NO
601401

FICHER
C-201.dwg

PRÉPARÉ PAR
B. BRAY, ing.

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, VOLLEBECK LTD.
 DATE: AUGUST 19 2024
 FILE NO.: V-110937
 PLANIMETRIC REFERENCE SYSTEM: MTM NAD 83 ZONE 9
 ALTIMETRIC REFERENCE SYSTEM: CGVD28 HT2.0

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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SCÉAU

 B. BRAY
 100568973
 Brevet (Bray)
 PROVINCE OF ONTARIO
 2026-05-31

TITRE DU PLAN
 PLAN VIEW
 EXISTING ITEMS AND DEMOLITION

ECHELLE
 Horizontale 1:250

ÉQUIPE DE PROJET
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EROSION AND SEDIMENT CONTROL

PRE-CONSTRUCTION
 PRIOR TO ANY REMOVAL OF SOIL AND CONSTRUCTION,
 • INSTALL SILT FENCE (GEOTEXTILE) AS NOTED.
 • INSTALL PROTECTIVE INSERT OVER ALL EXISTING MANHOLES, CATCHBASINS ADJACENT AND IN CONSTRUCTION ZONE AS SILK SACK FROM TERRAZOAMME OR EQUIVALENT. SEE DETAIL.
 • CONTROL MEASURES TO BE INSPECTED ONCE INSTALLED.
 • CONSTRUCTION OF MUD MATS. SEE CONTRACTOR FOR LOCATION.

CONSTRUCTION
 • MINIMIZE THE EXTENT OF DISTURBED AREAS.
 • PROTECT DISTURBED AREAS OF RUNOFF.
 • PROVIDE COVER (I.E. MULCH) IF DISTURBED AREAS WILL NOT BE REINSTATED WITHIN A REASONABLE PERIOD OF TIME.
 • INSPECT SILT FENCE REGULARLY DURING CONSTRUCTION. CLEAN AND REPAIR, AS REQUIRED.
 • CONTROL DUST DURING CONSTRUCTION.

AFTER CONSTRUCTION
 • PROVIDE PERMANENT COVER TO DISTURBED AREAS (I.E. TOPSOIL AND SEED).
 • REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS (SILT FENCE AND FILTER CLOTHS) ONCE DISTURBED AREAS HAVE BEEN REINSTATED.

INSPECTIONS
 • EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED UPON COMPLETION.
 • CONTROL MEASURES ARE TO BE INSPECTED WEEKLY.

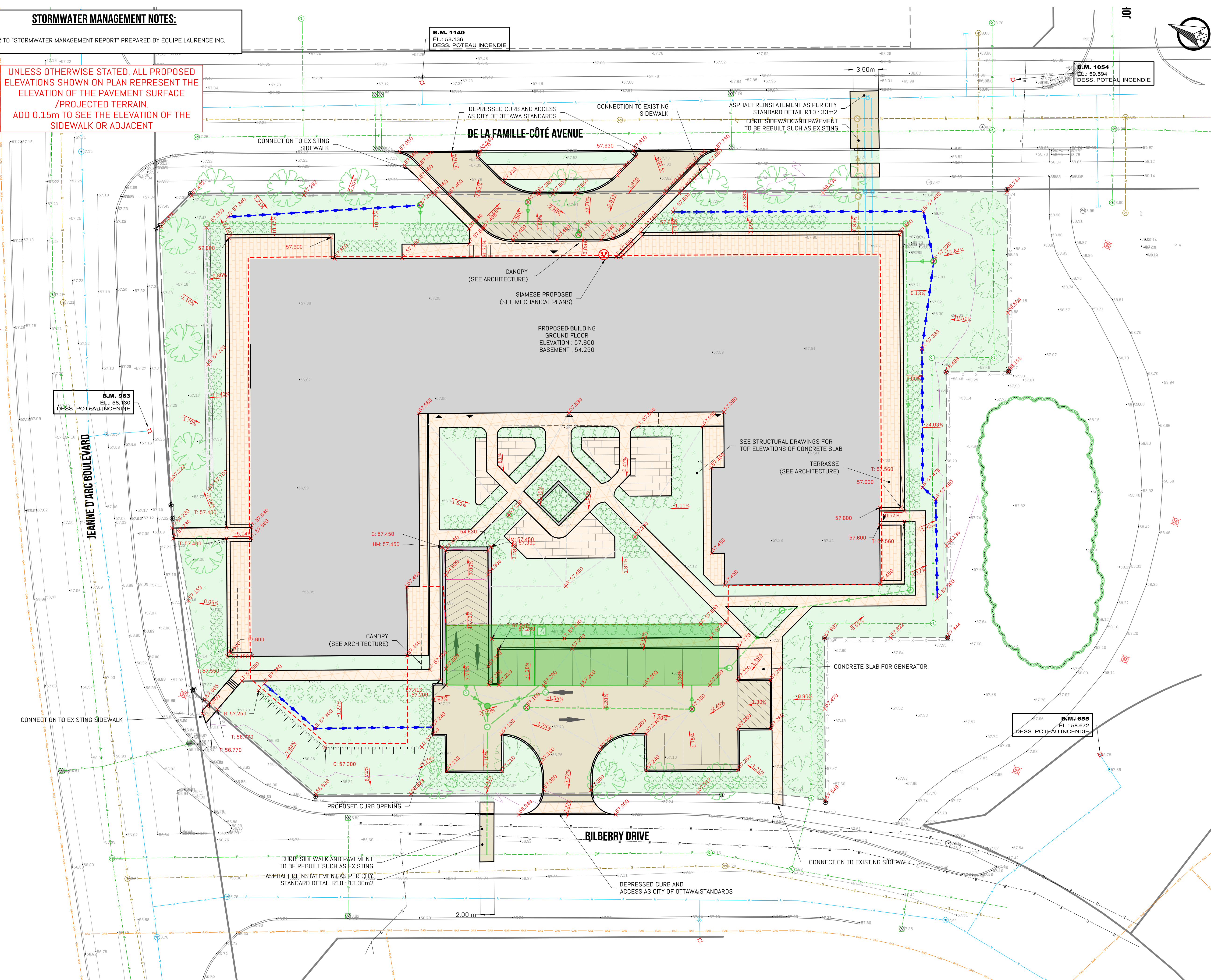
CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION, INSPECTIONS AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROL MEASURES.

NOTES:
 • TO BE USED DURING THE CONSTRUCTION PERIOD
 • TO BE INSPECTED EVERY 3 WEEKS AND AFTER EVERY MAJOR RAIN EVENT
 • TO BE INSTALLED BY MANUFACTURER'S RECOMMENDATIONS

STORMWATER MANAGEMENT NOTES:

REFER TO "STORMWATER MANAGEMENT REPORT" PREPARED BY ÉQUIPE LAURENCE INC.

UNLESS OTHERWISE STATED, ALL PROPOSED ELEVATIONS SHOWN ON PLAN REPRESENT THE ELEVATION OF THE PAVEMENT SURFACE /PROJECTED TERRAIN. ADD 0.15m TO SEE THE ELEVATION OF THE SIDEWALK OR ADJACENT



B.M. 1140
EL.: 58.136
DESS. POTEAU INCENDIE

B.M. 1054
EL.: 59.594
DESS. POTEAU INCENDIE

B.M. 983
EL.: 58.130
DESS. POTEAU INCENDIE

B.M. 655
EL.: 58.672
DESS. POTEAU INCENDIE

SITE PLAN PREPARED BY
NEUF ARCHITECT(E)S
DATE: MARCH 02 2026

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SCÉAU



TITRE DU PLAN
PLAN VIEW
SITE GRADING AND DRAINAGE PLAN

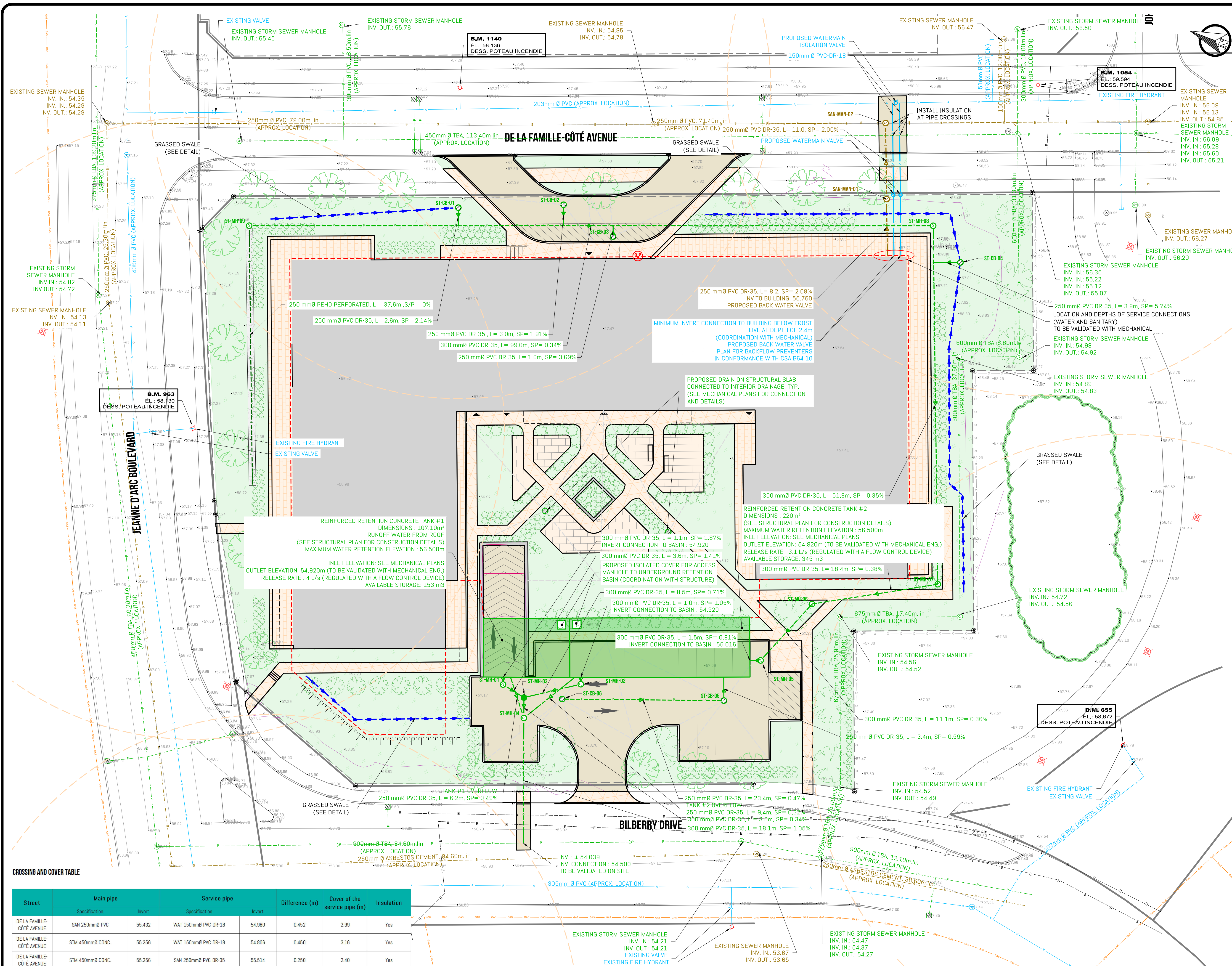
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ÉQUIPE DE PROJET
L-C, TELLIER, tech.
V. MERCIER, ing.

DOSSIER NO
601401
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PRÉPARÉ PAR
B. BRAY, ing.

C-203



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 500 FAMILLE-CÔTÉ AVENUE
 OTTAWA

SCÉAU

TITRE DU PLAN
PLAN VIEW
SITE SERVICING PLANS AND DRAINAGE AREA

ÉCHELLE
 Horizontale 1:250

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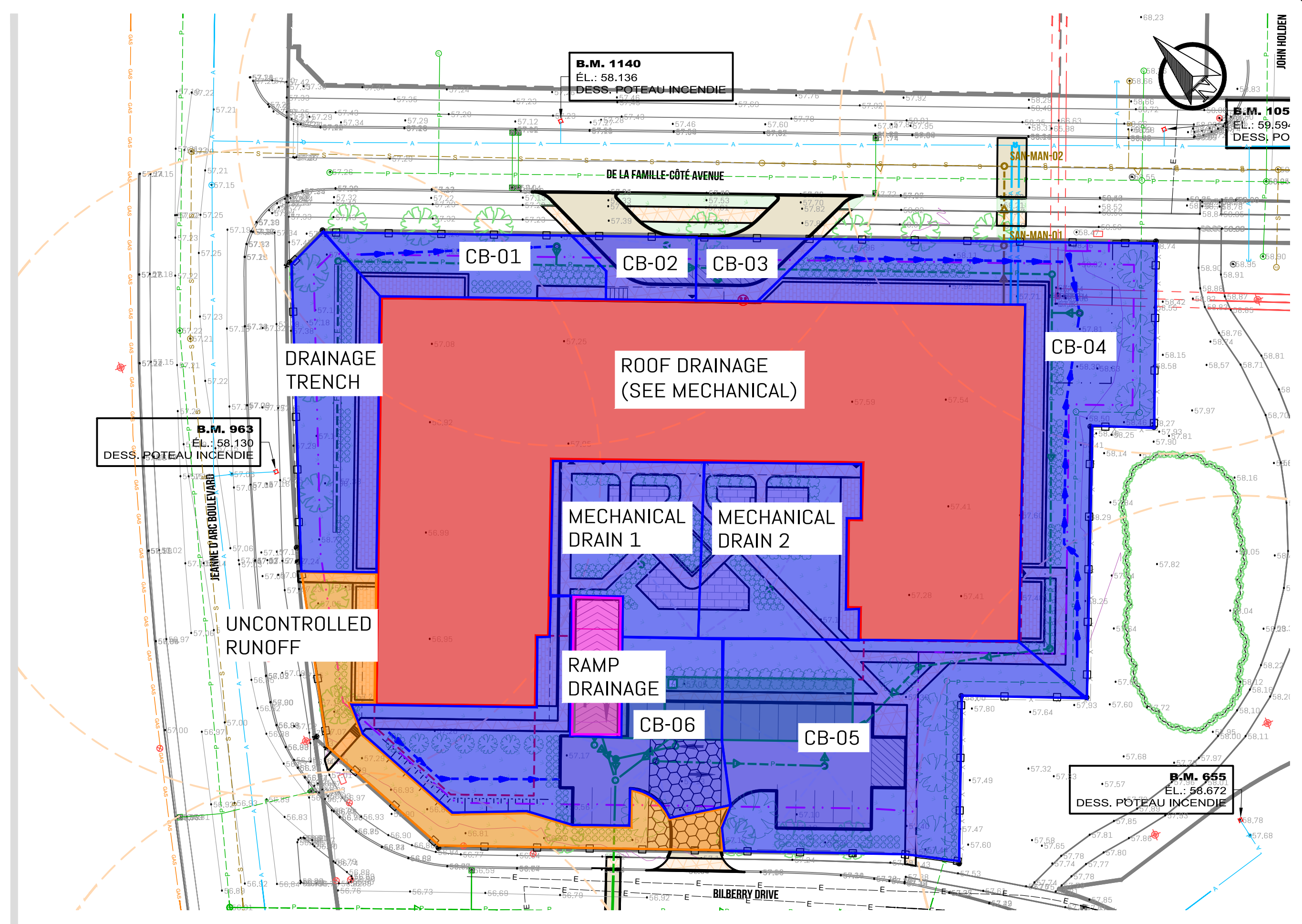
CROSSING AND COVER TABLE

Street	Main pipe		Service pipe		Difference (m)	Cover of the service pipe (m)	Insulation
	Specification	Invert	Specification	Invert			
DE LA FAMILLE-CÔTÉ AVENUE	SAN 250mmØ PVC	55.432	WAT 150mmØ PVC DR-18	54.980	0.452	2.99	Yes
DE LA FAMILLE-CÔTÉ AVENUE	STM 450mmØ CONC.	55.256	WAT 150mmØ PVC DR-18	54.806	0.450	3.16	Yes
DE LA FAMILLE-CÔTÉ AVENUE	STM 450mmØ CONC.	55.256	SAN 250mmØ PVC DR-35	55.514	0.258	2.40	Yes

STRUCTURES TABLES - STORM WATER		
NAME	TYPE	DETAILS
ST-CB-01	PB-1	TOP.: 57.200 (W) 250 mmØ PVC DR-35 INV OUT.: 55.640
ST-CB-02	PB-1	TOP.: 57.310 (W) 250 mmØ PVC DR-35 INV OUT.: 55.590
ST-CB-03	PB-1	TOP.: 57.350 (E) 250 mmØ PVC DR-35 INV OUT.: 55.540
ST-CB-04	PB-1	TOP.: 57.320 (N) 250 mmØ PVC DR-35 INV OUT.: 55.550
ST-CB-05	PB-1	TOP.: 57.100 (N) 250 mmØ PVC DR-35 INV IN.: 55.490 (E) 250 mmØ PVC DR-35 INV OUT.: 55.490
ST-CB-06	PB-1	TOP.: 57.100 (S) 250 mmØ PVC DR-35 INV OUT.: 55.600

STRUCTURES TABLES - SANITARY		
NAME	TYPE	DETAILS
SAN-MAN-01	RC-1200	TOP.: 58.021 (W) 250 mmØ PVC DR-35 INV IN.: 55.740 (E) 250 mmØ PVC DR-35 INV OUT.: 55.690
SAN-MAN-02	RC-1200	TOP.: 58.198 (W) 250 mmØ PVC DR-35 INV IN.: 55.470 (N) 250 mmØ PVC DR-35 INV IN.: 55.420 (S) 250 mmØ PVC DR-35 INV OUT.: 55.420 EXISTING INVERT TO BE VALIDATED ON SITE

STRUCTURES TABLES - STORM WATER		
NAME	TYPE	DETAILS
ST-MH-01	RC-1200 WITH FLOW REGULATOR	TOP.: 57.176 (E) 300 mmØ PVC DR-35 INV IN.: 54.900 (S) 300 mmØ PVC DR-35 INV OUT.: 54.900
ST-MH-02	RC-1200 WITH FLOW REGULATOR	TOP.: 57.169 (E) 300 mmØ PVC DR-35 INV IN.: 54.910 (NW) 300 mmØ PVC DR-35 INV OUT.: 54.910
ST-MH-03	STORMWATER QUALITY CONTROL SYSTEM WITH 80% TSS REMOVAL	TOP.: 57.153 (SE) 300 mmØ PVC DR-35 INV IN.: 54.850 (N) 300 mmØ PVC DR-35 INV IN.: 54.850 (W) 300 mmØ PVC DR-35 INV OUT.: 54.700
ST-MH-04	RC-1200	TOP.: 57.157 (E) 300 mmØ PVC DR-35 INV IN.: 54.690 (NE) 250 mmØ PVC DR-35 INV IN.: 55.290 (SE) 250 mmØ PVC DR-35 INV IN.: 55.290 (W) 300 mmØ PVC DR-35 INV OUT.: 54.690
ST-MH-05	RC-915	TOP.: 57.235 (E) 300 mmØ PVC DR-35 INV IN.: 55.030 (N) 300 mmØ PVC DR-35 INV OUT.: 55.030
ST-MH-06	RC-915	TOP.: 57.698 (SE) 300 mmØ PVC DR-35 INV IN.: 55.070 (W) 300 mmØ PVC DR-35 INV OUT.: 55.070
ST-MH-07	RC-915	TOP.: 57.593 (E) 300 mmØ PVC DR-35 INV IN.: 55.140 (NW) 300 mmØ PVC DR-35 INV OUT.: 55.140
ST-MH-08	RC-915	TOP.: 57.528 (N) 300 mmØ PVC DR-35 INV IN.: 55.320 (W) 300 mmØ PVC DR-35 INV OUT.: 55.320
ST-MH-09	RC-915	TOP.: 57.361 (W) 250mmØ PEHD INV IN.: 56.770 (S) 300 mmØ PVC DR-35 INV OUT.: 55.660



POST DEVELOPMENT DRAINAGE PLAN WITH UNCONTROLLED AND CONTROLLED CATCHMENT AREAS

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OTTAWA

TITRE DU PLAN
STRUCTURES TABLES AND DETAILS

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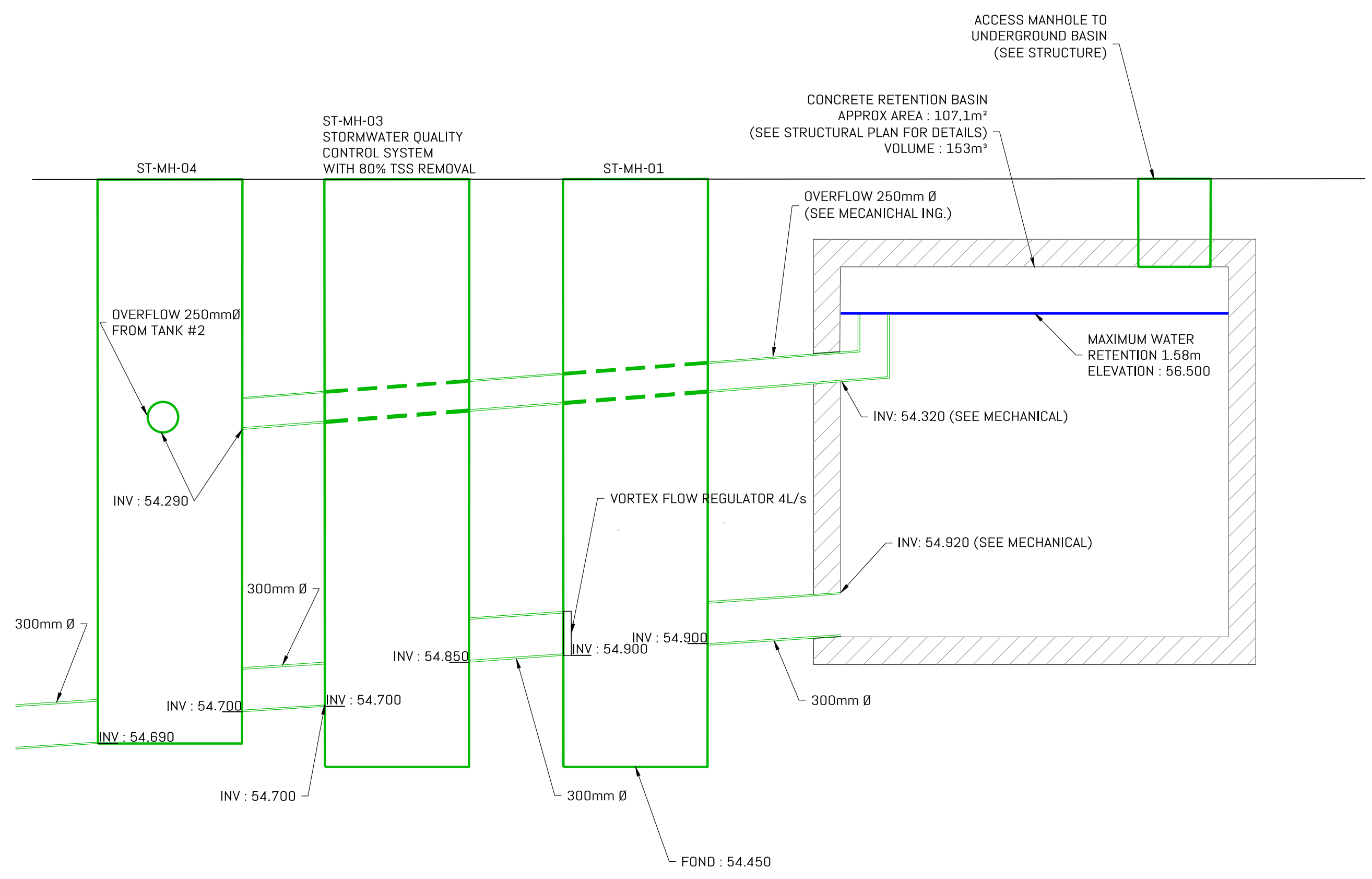
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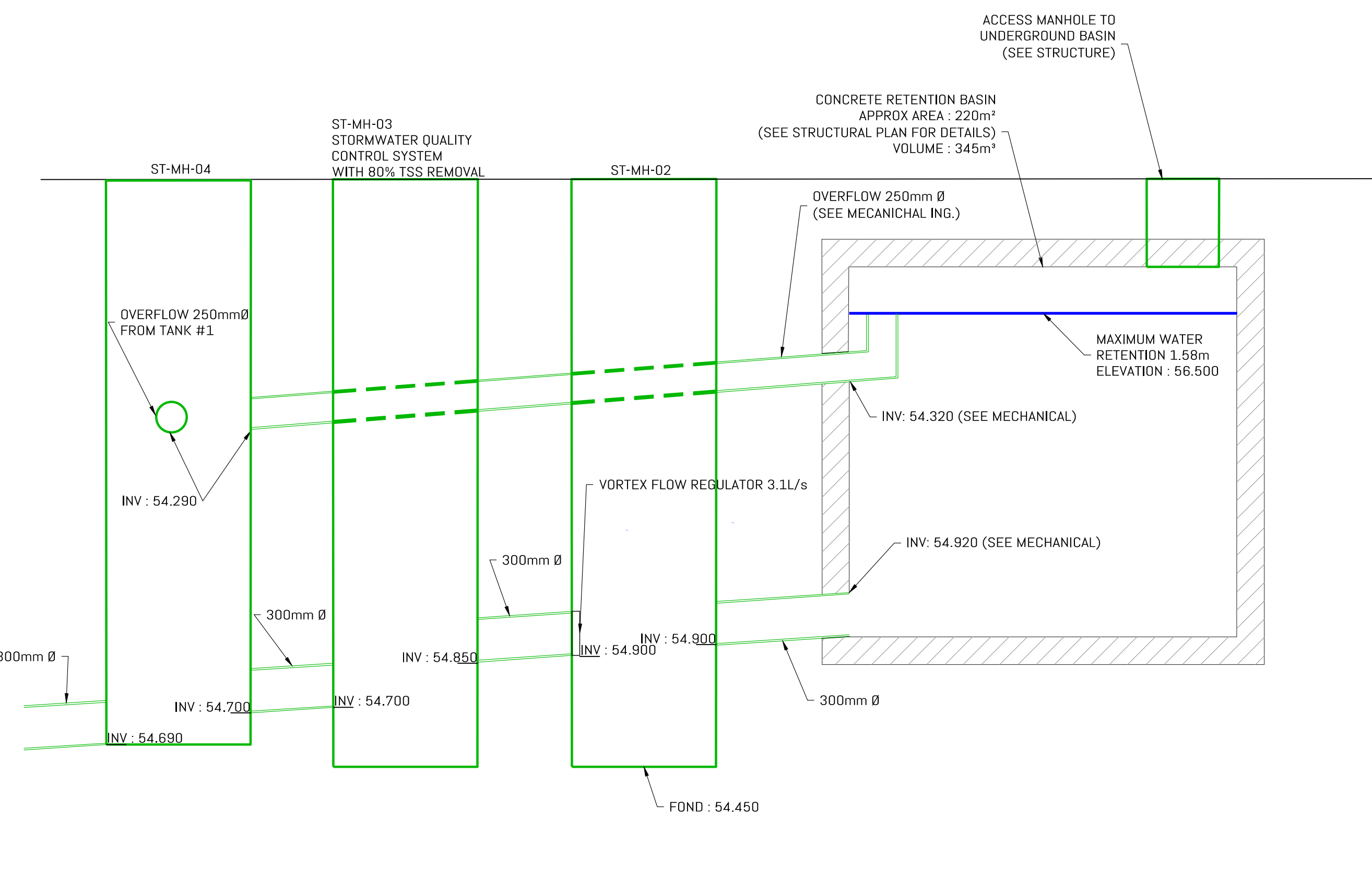
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PRÉPARÉ PAR
B.BRAY, ing.

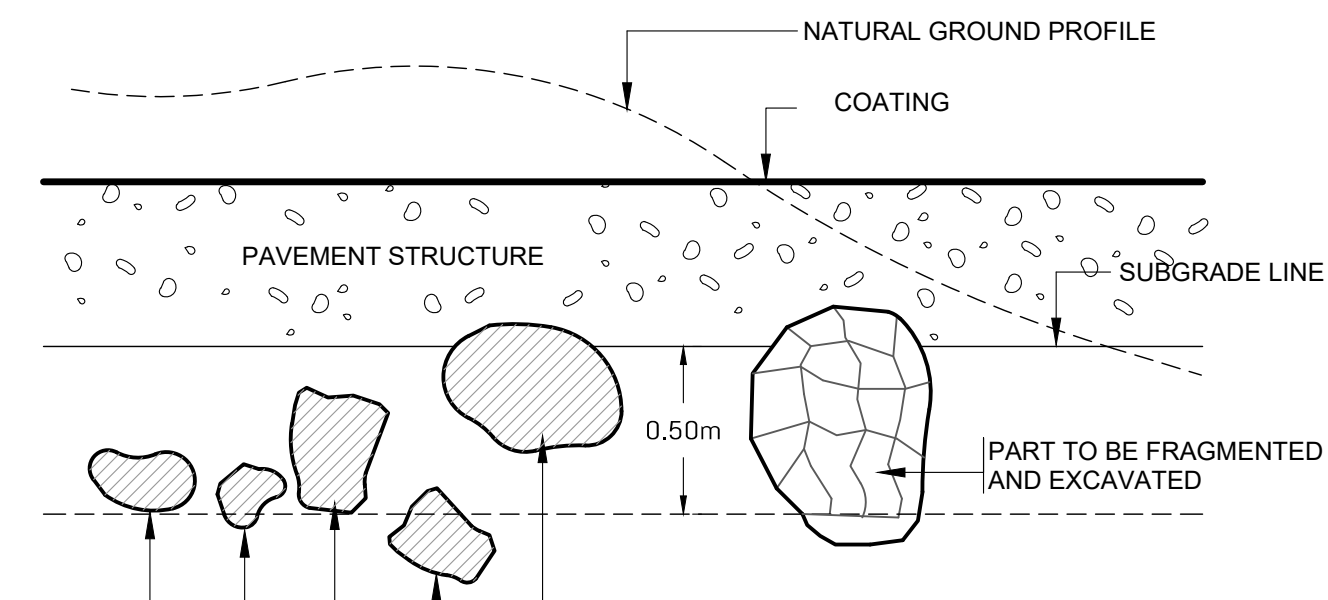
C-205



REINFORCED RETENTION CONCRETE TANK #1
TO BE COORDINATED WITH STRUCTURE

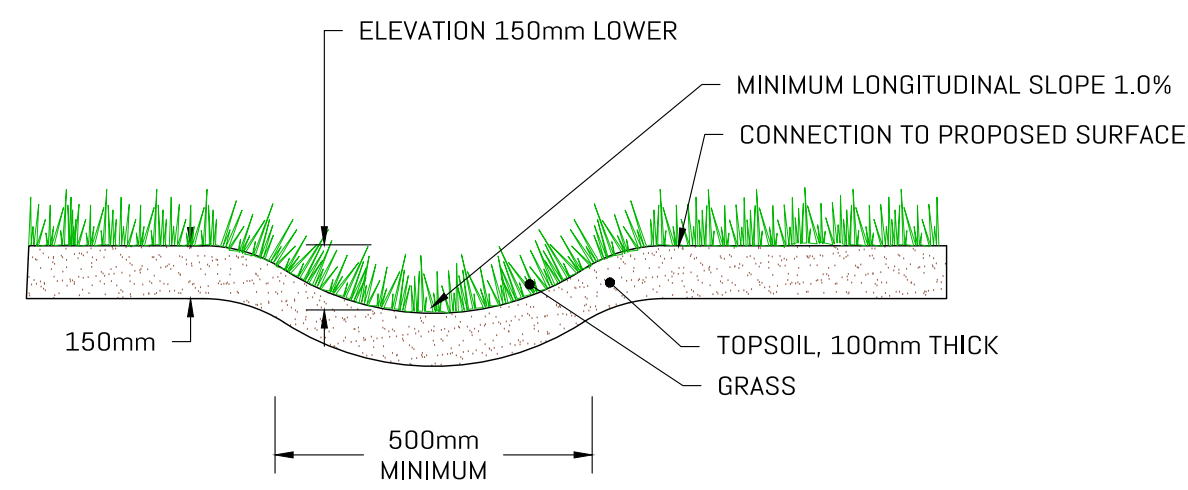


REINFORCED RETENTION CONCRETE TANK #2
TO BE COORDINATED WITH STRUCTURE

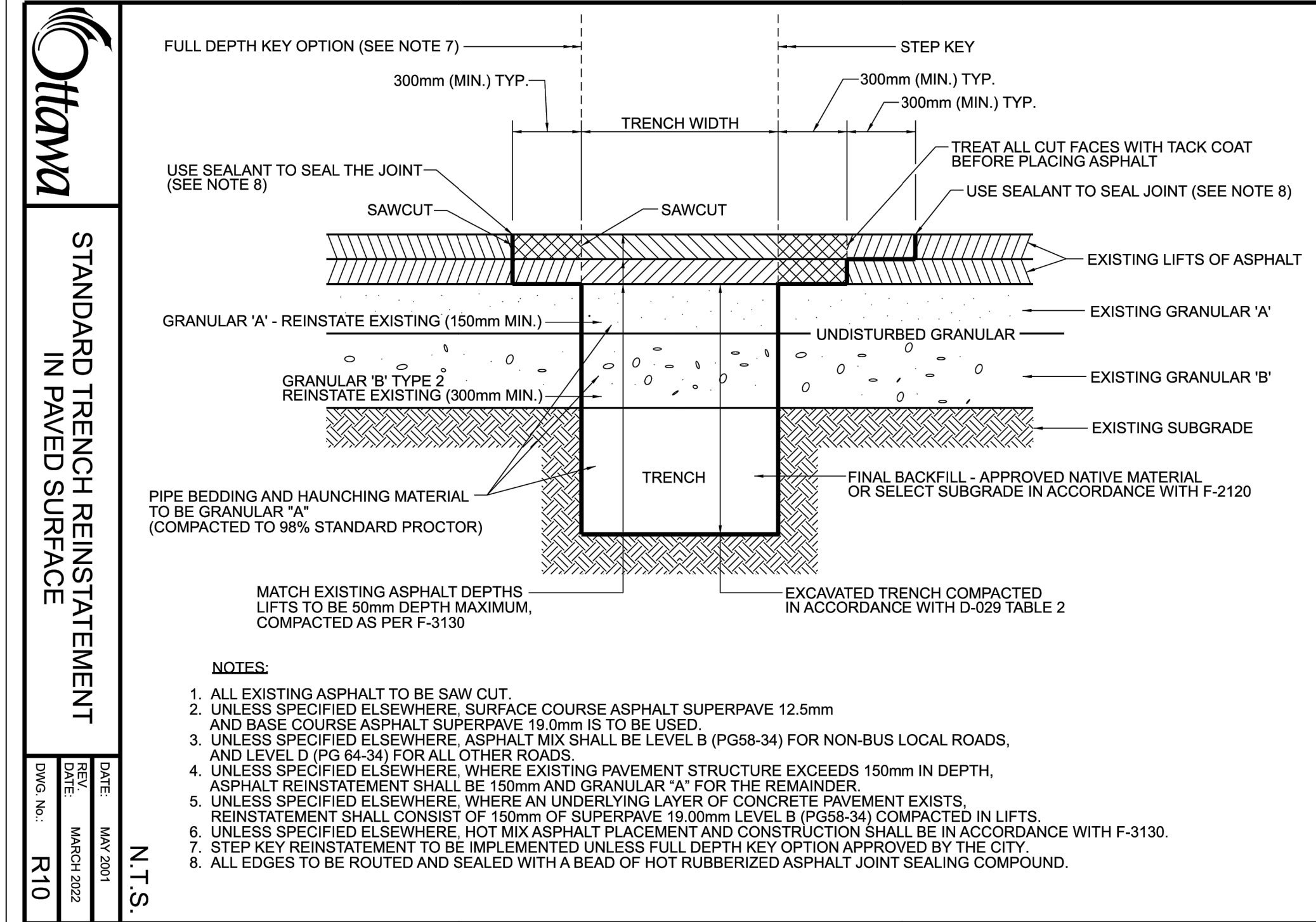


- NOTES:**
- BLOCKS TO BE REMOVE COMPLETELY
 - ALL BLOCKS OVER 250mm DIAMETER PRESENT IN THE FIRST 500 mm UNDER INFRASTRUCTURE LINE MUST BE REMOVED, FRAGMENTED AND EXCAVATED TO 500 mm DEPT.
 - AFTER REMOVING BLOCKS, THE EXCAVATIONS HAVE TO BE RAISED TO DESIGN SUBGRADE LEVELS WITH APPROVED COMPACTABLE 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



TYPICAL GRASSED SWALE
AS PER CITY STANDARDS DETAIL



Ottawa
STANDARD TRENCH REINSTATEMENT
IN PAVED SURFACE
DATE: MAY 2001
REV: MARCH 2002
DWG. No.: R10
N.T.S.

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BOISBRIAND, QUÉBEC
J7H 0E8

PROJET
LIB ORLÉANS
500 FAMILLE-CÔTÉ AVENUE
OTTAWA

EQUIPE
LAURENCE
INGÉNIERIE CIVILE

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T. 450 227 1857
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SCAEU

LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
Benoit Bray
PROVINCE OF ONTARIO

2026-05-31

TITRE DU PLAN
STANDRD SECTIONS AND DETAILS

ÉCHELLE
AUCUNE ÉCHELLE

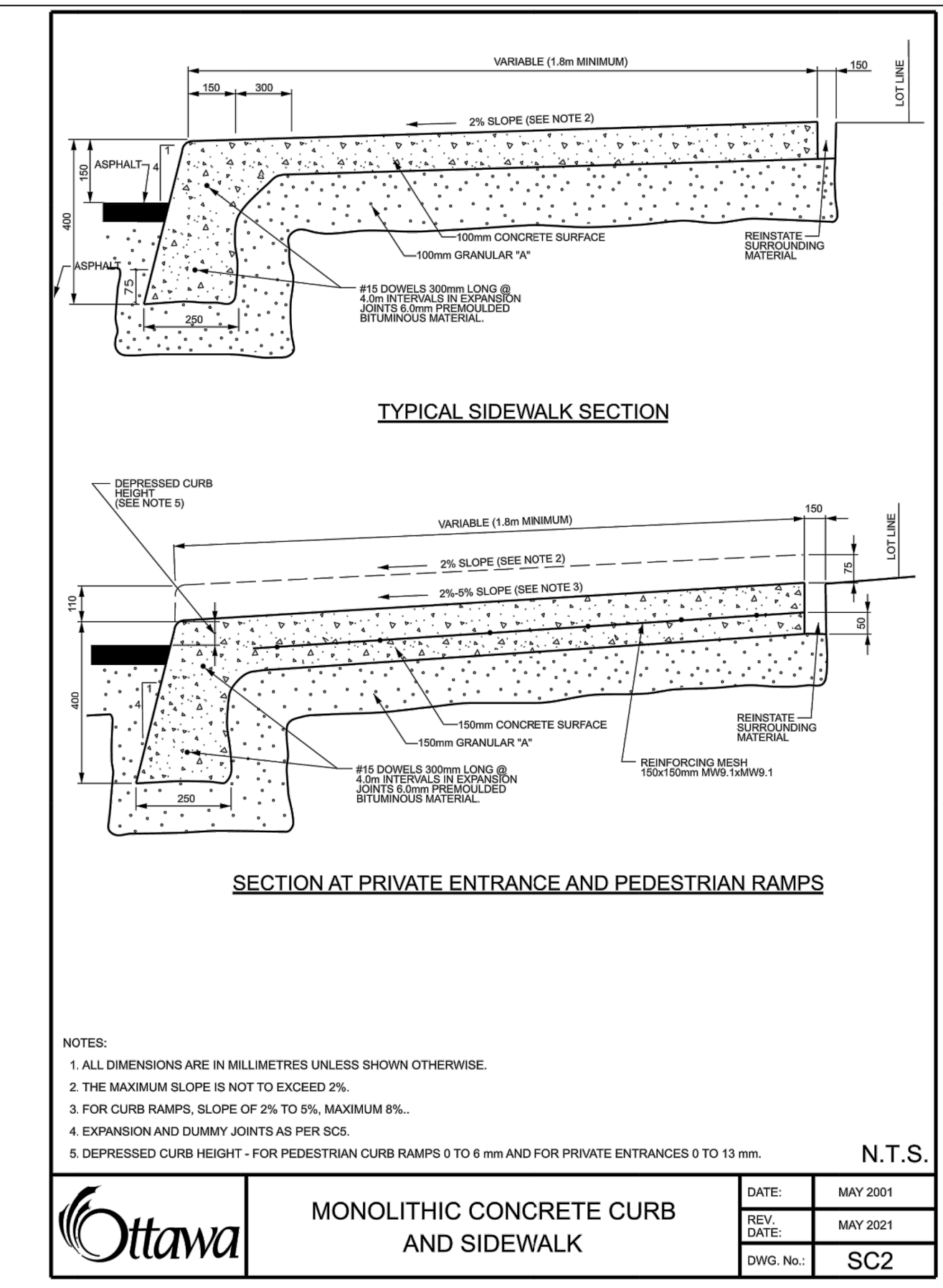
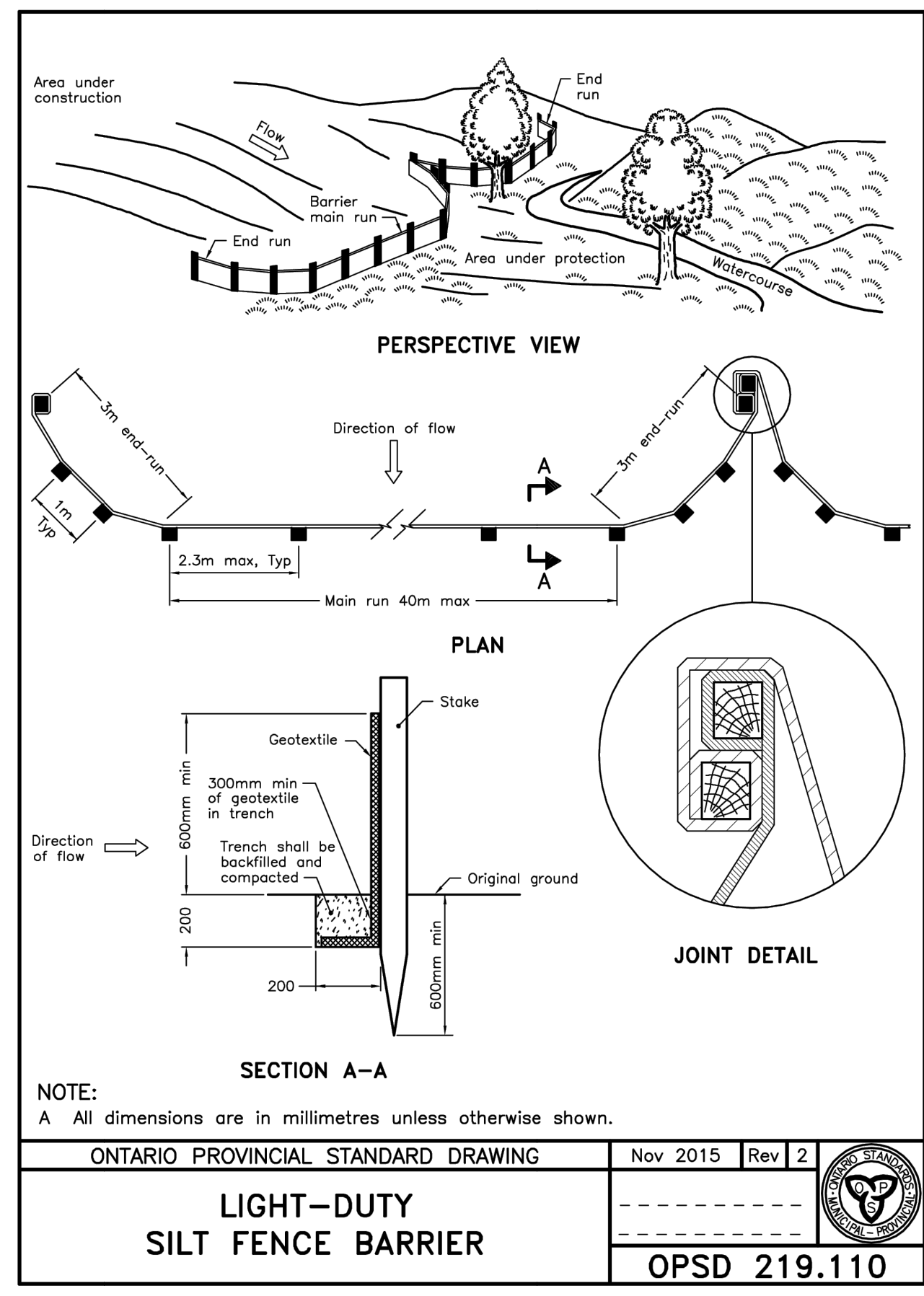
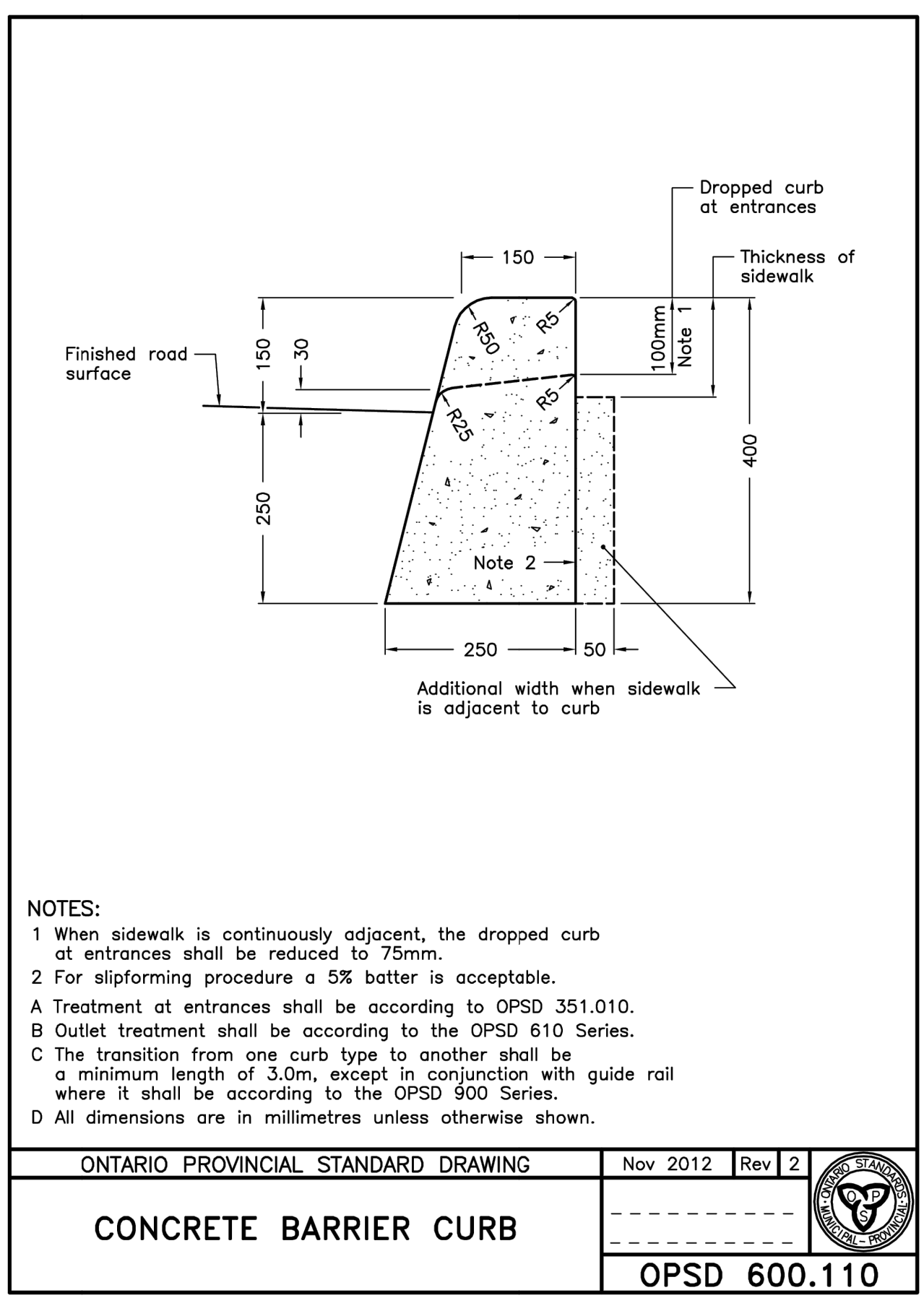
EQUIPE DE PROJET
L-C, TELLIER, tech.
V.MERCIER, ing.

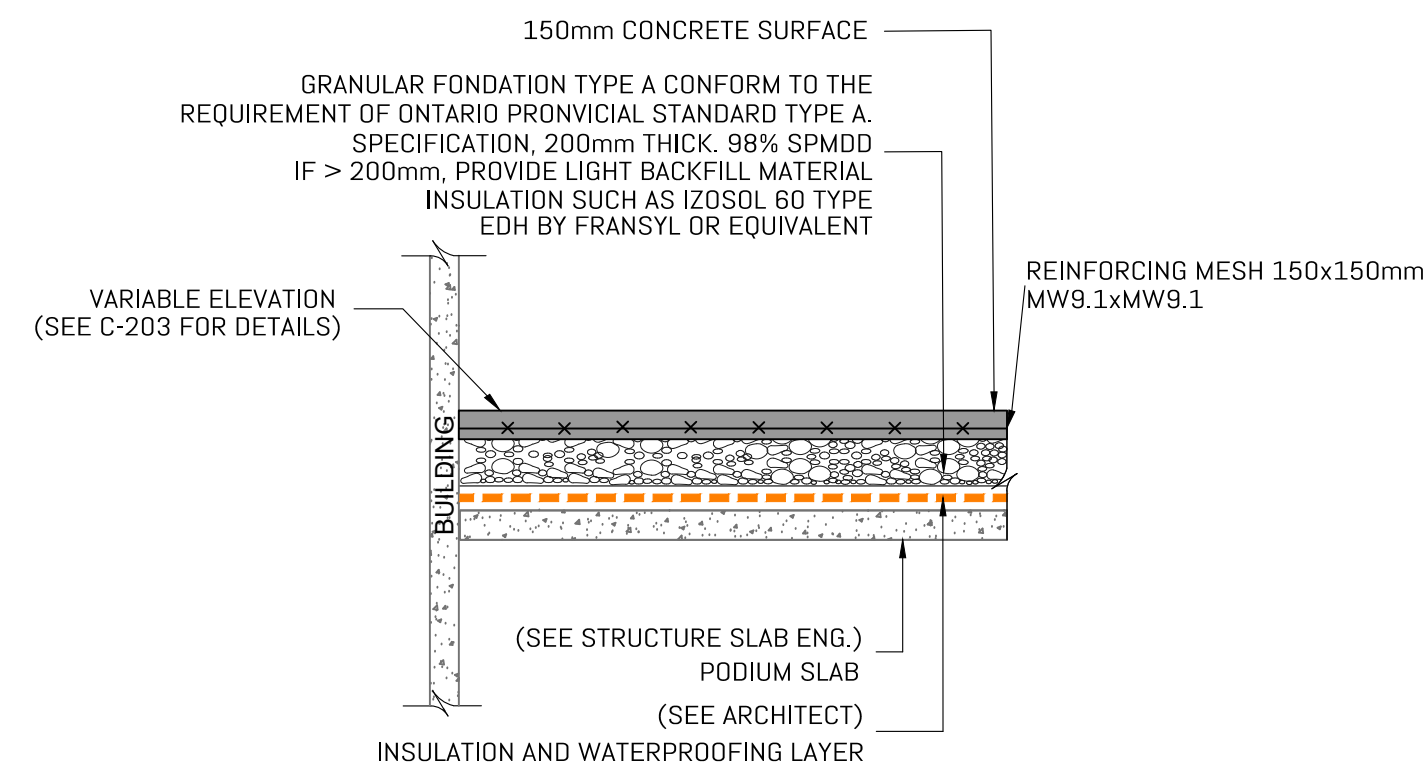
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PRÉPARÉ PAR
B.BRAY, ing.

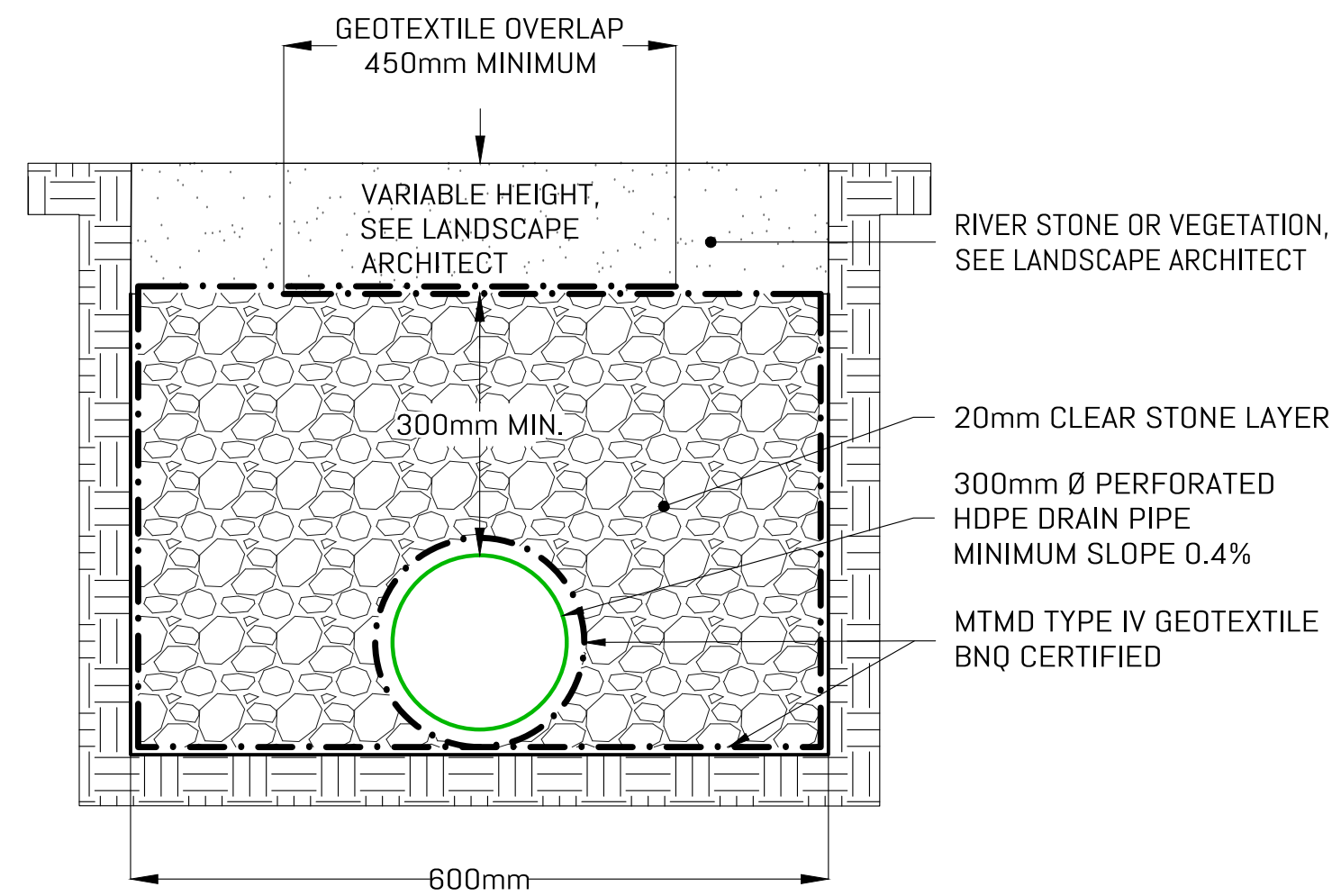
FICHER
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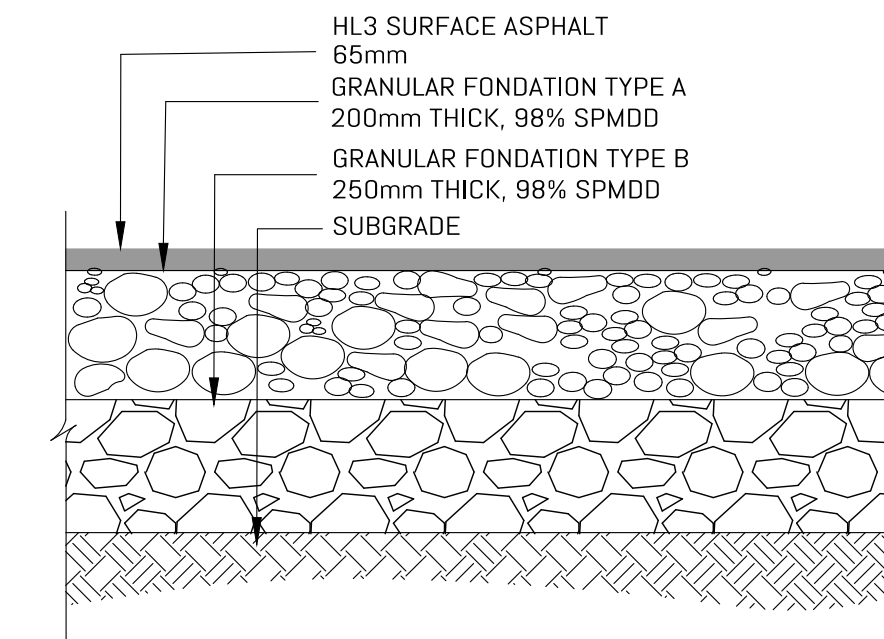


SIDEWALK SECTION ON PODIUM SLAB
 BASED ON CITY OF OTTAWA TYPICAL DETAILS



NOTES:
 THE UPSTREAM END OF THE PIPE SHALL BE CAPPED

TYPICAL CROSS SECTION - PERFORATED PIPE DRAINAGE TRENCH



PARKING AND ACCESS
FOUNDATION ASPHALT SURFACE
 (TO BE VERIFIED BY GEOTECHNICAL ENGINEER)

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

REV	DESCRIPTION	PAR	DATE
E	FOR SITE PLAN APPLICATION REV.02	B.B.	2026-05-20
D	FOR COORDINATION	B.B.	2026-05-08
C	FOR SITE PLAN APPLICATION REV.01	B.B.	2026-02-05
B	FOR SITE PLAN APPLICATION	B.B.	2025-12-11
A	FOR UDRP	B.B.	2025-09-15

CLIENT
 BÂTIMO DÉVELOPPEMENT INC.
 SUITE 400-6485, RUE DORIS-LUSSIER
 BOISBRIAND, QUÉBEC
 J7H 0E8

PROJET
 LIB ORLÉANS
 500 FAMILLE-CÔTÉ AVENUE
 OTTAWA



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TITRE DU PLAN
 STANDARD SECTIONS AND DETAILS

ECHELLE
 AUCUNE ÉCHELLE

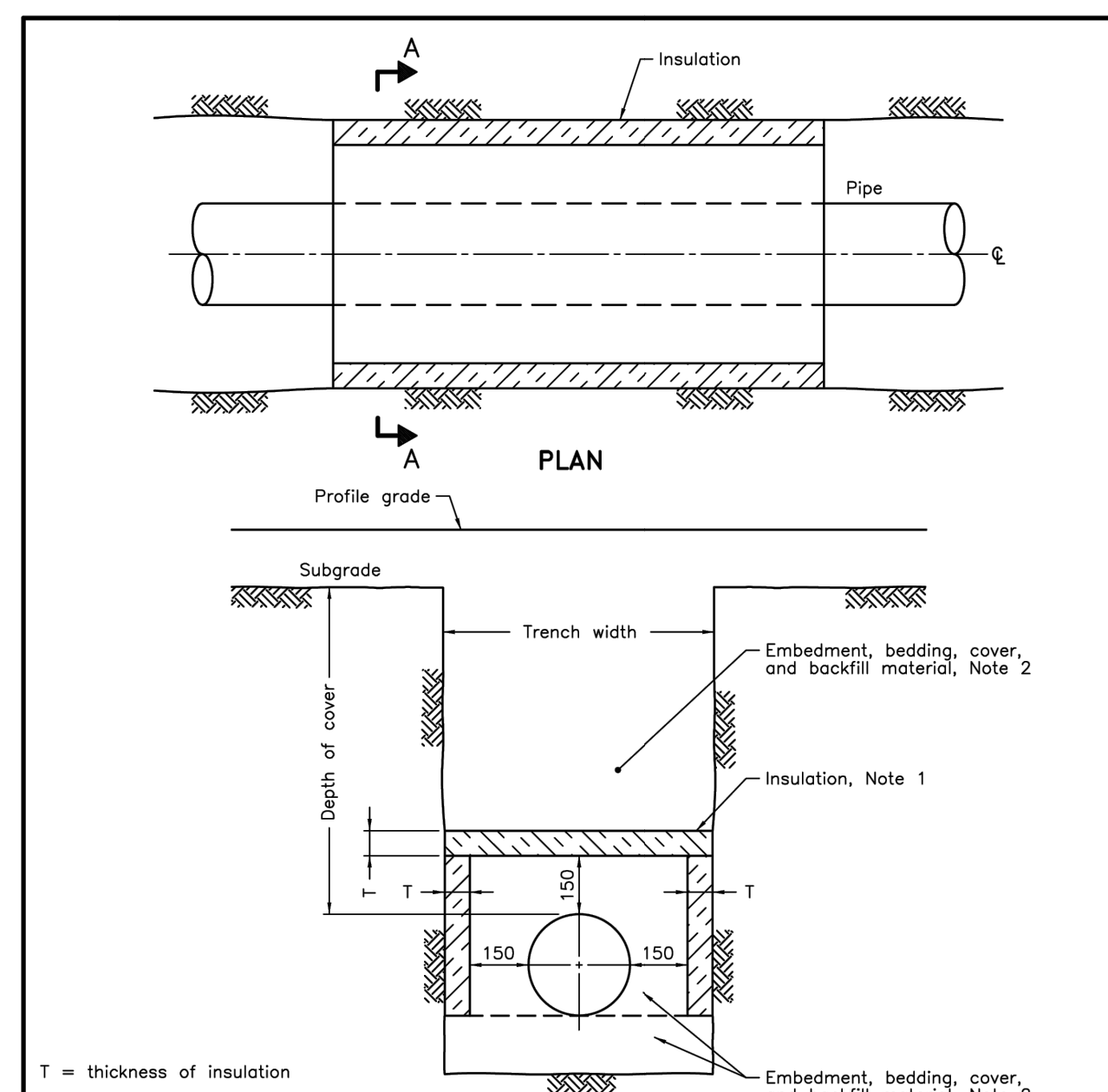
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DOSSIER NO
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 C-207.dwg

PRÉPARÉ PAR
 B. BRAY, ing.

C-207



SECTION A-A
TYPICAL PIPE INSULATION DETAIL

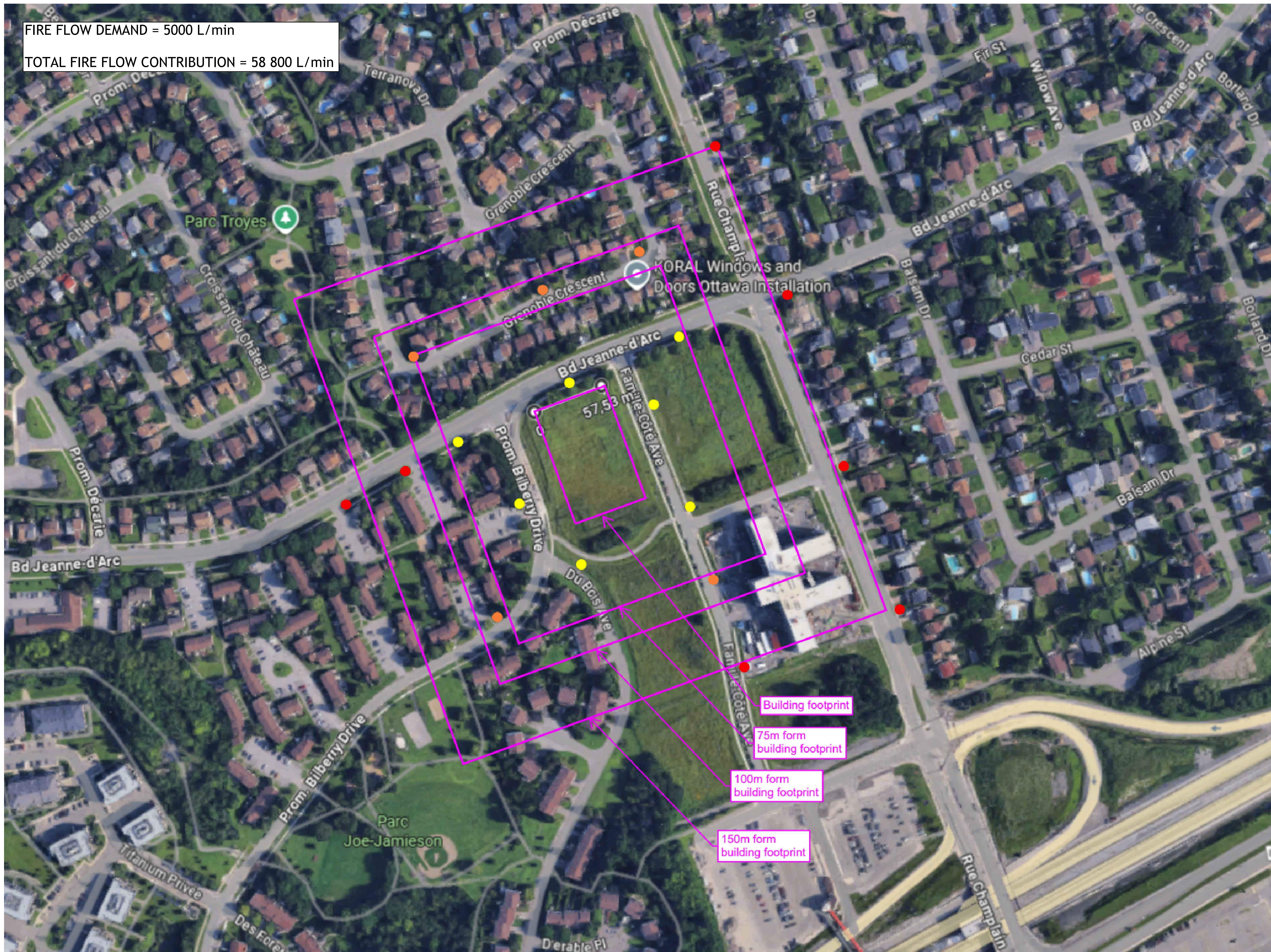
NOTES:
 1 The insulation material shall be extruded polystyrene according to OPSS 1605 with a minimum compressive strength of 275 kPa.
 2 Pipe embedment or bedding, cover, and backfill shall be according to:
 a) Flexible OPSS 802.010, 802.013, 802.020, and 802.023.
 b) Rigid - OPSS 802.030, 802.031, 802.032, 802.033, 802.050, 802.051, 802.052, and 802.053.
 A Minimum insulation thickness shall be 50mm.
 B Joints shall be staggered for multiple insulation sheets.
 C This OPSS is to be read in conjunction with OPSS 3090.100 and 3090.101.
 D All dimensions are in millimetres unless otherwise shown.

ONTARIO PROVINCIAL STANDARD DRAWING Nov 2020 Rev 1

INSULATION FOR SEWERS AND WATERMANS IN SHALLOW TRENCHES

OPSD 1109.030

FIRE FLOW DEMAND = 5000 L/min
 TOTAL FIRE FLOW CONTRIBUTION = 58 800 L/min



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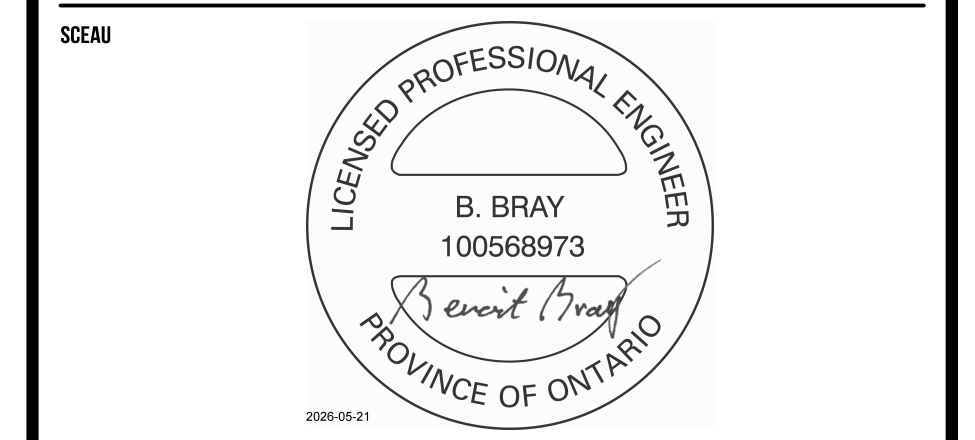
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TITRE DU PLAN
 FIRE HYDRANT COVERAG MAP

ÉCHELLE
 AUCUNE ÉCHELLE

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 V. MERCIER, ing.

DOSSIER NO
 601401

FICHER
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PRÉPARÉ PAR
 B. BRAY, ing.

C-208