emd batimo
CONSTRUCTION PROMOTEUR ET GESTIONNAIRE IMMOBILIER

PROJECT:

LIB KANATA
KANATA AVENUE AND MARITIME WAY
CITY OF OTTAWA, ONTARIO

PROJECT NO: **600401**

DATE: **2022-07-12**

ÉQUIPE LAURENCE INGÉNIERIE CIVILE

160, boulevard de l'Hôpital, Gatineau (Québec) J8T 8J1
T 819 303 2700
info@equipelaurence.ca | equipelaurence.ca

LIB KANATA - KANATA AVENUE AND MARITIME WAY
PROJET 600401 - PLANS ÉMIS FOR SITE PLAN APPLICATION REVISION 5, LE 2022-07-12

D07-12-21-0153

18603

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: EMD BATIMO

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
- 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 ares and by importing suitable fill materials.

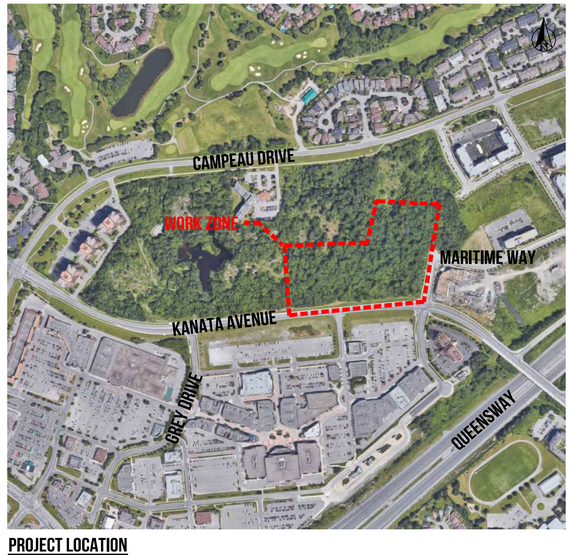
The approved subgrade may be raised to design subgrade level with approved compactable on-site soil, providing it is placed in maximum 300 mm thick lifts and each lift is compacted to at least 95% of the material's SPMDD. As an alternative to subexcavation, a woven geotextile separator, such as Terratrack 24-15, Amoco 2002, Mirafi 500XI, 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
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
- STMHE-01 — EXISTING STORM SEWER MANHOLE
- STMH-01 — PROPOSED STORM SEWER MANHOLE
- SANMHE-01 — EXISTING SANITARY SEWER MANHOLE
- SANMH-01 — 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
- 26.300 X — PROPOSED ELEVATION
- B: 26.450 X — PROPOSED ELEVATION OF CONCRETE CURB
- D: 26.450 X — PROPOSED ELEVATION OF CONCRETE SLAB
- G: 26.650 X — PROPOSED TOP ELEVATION OF GRASS
- T: 26.450 X — PROPOSED TOP ELEVATION OF SIDEWALK
- TW: 26.450 X — PROPOSED TOP ELEVATION OF RETAINING WALL
- BW: 26.450 X — PROPOSED BOTTOM ELEVATION OF RETAINING WALL
- .25.30 — EXISTING ELEVATION OF SURFACE
- -3.00% — GRADING SLOPES
- NORTH

LIST OF PLANS

REV	DESCRIPTION	BY	DATE
F	FOR SITE PLAN APPLICATION REVISION 5	B.B	2022-07-12
E	FOR SITE PLAN APPLICATION REVISION 4	B.B	2022-07-07
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T: 450 227 1857
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LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
TECHNICAL AND GENERAL SPECIFICATIONS, LEGEND AND NOTES
LOCATION

SCALE: NO SCALE

DESIGN	F.LACROIX, CPI
DRAWING	C-201.dwg
DATE	J. QUESNEL, DESSINATEUR — 2021-09-14
DRAWN	B. BRAY, ING
PROJECT NO	600401
PLAN NO	C-201
APPROVED	

D07-12-21-0153

18603

EROSION AND SEDIMENT CONTROL

PRE-CONSTRUCTION
PRIOR TO ANY REMOVAL OF SOIL AND CONSTRUCTION.
- INSTALL SILT FENCE (GEOTEXTILE) AS NOTED
- INSTALL FILTER CLOTH OVER ALL EXISTING MANHOLES IN CONSTRUCTION ZONE.
- 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.

PART 1 4R-8803 (REMAINDER)

SILT FENCE BARRIER AS PER OPSD 219.110 AND OTTAWA CITY STANDARDS (TYP.) (SEE DETAILS)

EXISTING TREES (APPROXIMATE LOCATION) LOCATED OUTSIDE THE WORK AREA TO PROTECT AND PRESERVE

TEMPORARY CONSTRUCTION MUD MAT

FUTURE ROADWAY TO BE COORDINATED

PROPERTY LINE

TREE REMOVAL LIMIT

EXISTING TREES (APPROXIMATE LOCATION) LOCATED INSIDE THE WORK AREA TO REMOVE AND DISPOSE

PART 1

PART 2

PROPOSED BUILDING

FUTURE ROADWAY EXTENSION TO BE COORDINATED

EXISTING MANHOLE HYDRO OTTAWA

EXISTING CATCHBASIN TO BE PROTECTED WITH FILTER CLOTH

B.M. ELEVATION: 99.91 FIRE HYDRANT TOP

CONCRETE CURB REMOVAL (TYP.)

ROAD CUT AS PER CITY STANDARD DETAIL R10

E-ST-MH-06
TYPE: EXISTING MANHOLE PROTECTED WITH FILTER CLOTH
TOP.: 99.095
INV. IN: 93.062
INV. OUT: 93.062

E-SAN-MH-05
TYPE: EXISTING MANHOLE
TOP.: 99.012
INV. IN: 90.977
INV. OUT: 90.977

1625mmØ STORM EX.

825mmØ SAN EX.

600mmØ WATERMAIN EX.

MARITIME WAY

825mmØ SAN EX., L=114.45m. S/P= 0.36%
1625mmØ STORM EX., L=70.47m. S/P= 0.34%

MARITIME WAY (ROCKY MOUNTAIN GATE)

DEDICATED by inst. oc1182455 (by-law 210-2684)

PART 1 PLAN 4R 24553

SUBJECT TO EASEMENT INST. LT1235788

PART 1 PLAN 4R-24296

600mmØ WATERMAIN EX.

E-ST-MH-05
TYPE: EXISTING MANHOLE PROTECTED WITH FILTER CLOTH
TOP.: 97.217
INV. IN: 93.300
INV. OUT: 93.300

1625mmØ STORM EX., L=33.18m. S/P= 0.63%

EXISTING CATCHBASIN TO BE PROTECTED WITH FILTER CLOTH

450mmØ STORM EX.

E-ST-MH-04
TYPE: EXISTING MANHOLE PROTECTED WITH FILTER CLOTH
TOP.: 96.874
INV. IN: 94.080
INV. IN: 93.520
INV. OUT: 94.280
INV. OUT: 93.510

E-SAN-MH-04
TYPE: EXISTING MANHOLE
TOP.: 96.793
INV. IN: 91.462
INV. IN: 92.500
INV. OUT: 91.387

1625mmØ STORM EX., L=39.71m. S/P= 0.76%

675mmØ SAN EX.

300mmØ SAN EX.

E-SAN-MH-01
TYPE: EXISTING MANHOLE
TOP.: 99.507
INV. IN: 95.200
INV. OUT: 94.700

250mmØ EX., L=6.53m. S/P= 3.06%
INV. IN: 95.400

525mmØ STORM EX., L=11.64m. S/P= 3.09%
INV. IN: 96.210

300mmØ WATERMAIN EX.

STREET RIGHT-OF-WAY

ELECTRICAL BURIED CABLE OR DUCT TO BE PROTECTED

STREET LIGHT TO BE PROTECTED

B.M. ELEVATION: 99.23 FIRE HYDRANT TOP TO BE MOVED

STREET LIGHT TO BE PROTECTED

STREET LIGHT

FIRE HYDRANT

FIRE HYDRANT

600mmØ WATERMAIN EX.

675mmØ STORM EX.

675mmØ STORM EX., L=75.83m. S/P= 0.76%

600mmØ WATERMAIN EX.

675mmØ STORM EX., L=69.97m. S/P= 0.77%

KANATA AVENUE

EXISTING CATCHBASIN TO BE PROTECTED WITH FILTER CLOTH

EXISTING CATCHBASIN TO BE PROTECTED WITH FILTER CLOTH

750mmØ CONC. SAN EX., L=84.78m. S/P= 0.15%

E-ST-MH-02
TYPE: EXISTING MANHOLE PROTECTED WITH FILTER CLOTH
TOP.: 98.431
INV. IN: 95.079
INV. OUT: 94.990

E-ST-MH-03
TYPE: EXISTING MANHOLE PROTECTED WITH FILTER CLOTH
TOP.: 97.319
INV. IN: 94.469
INV. OUT: 94.380

E-SAN-MH-03
TYPE: EXISTING MANHOLE
TOP.: 92.340
INV. IN: 91.615
INV. OUT: 91.615

750mmØ CONC. SAN EX., L=100.14m. S/P= 0.15%

PART 2 PLAN 4R-9182
DEDICATED AS PUBLIC HIGHWAY PER INST. LT1122746 (by-law 35-98)
P.I.N. 04507 - 0866

E-ST-MH-01
TYPE: EXISTING MANHOLE PROTECTED WITH FILTER CLOTH
TOP.: 99.598
INV. IN: 95.840
INV. IN: 95.850
INV. OUT: 95.650

525mmØ SAN EX.

250mmØ EX., L=17.12m. S/P= 9.93%

E-SAN-MH-02
TYPE: EXISTING MANHOLE
TOP.: 99.392
INV. IN: 91.740
INV. IN: 93.000
INV. OUT: 91.740

NOTE:

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

SURVEY AND LOTS INFORMATION PROVIDED BY
FARLEY, SMITH & DENIS SURVEYING LTD.
DATE: SEPTEMBER 13 2021
FILE NO.: 139-21
PLANIMETRIC REFERENCE SYSTEM: MTM NAD 83 ZONE 9
ALTIMETRIC REFERENCE SYSTEM: CGVD28 HT2.0

SITE PLAN PREPARED BY
ROSSMANN
ARCHITECTURE
DATE: SEPTEMBER 21 2021
PROJECT: 21019

EXISTING POWER DUCT BANK, WATERMAIN, STORM SEWER AND SANITARY SEWER FROM OTTAWA COORDINATING COMMITTEE CENTRAL REGISTRY AND CITY OF KANATA DEPARTMENT OF ENGINEERING

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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CLIENT:
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PROJECT:
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KANATA AVENUE AND MARITIME WAY
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info@equipelaurence.ca | equipelaurence.ca

LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
PLAN VIEW
EXISTING ITEMS, DEMOLITION AND EROSION AND SEDIMENT CONTROL PLAN

SCALE: Horizontal 1:400 (0 4 8 20 m)

DESIGN	F.LACROIX, CPI
DRAWING	C-202.dwg
DRAWN	J. QUESNEL, DESSINATEUR
DATE	2021-09-14
APPROVED	B. BRAY, ING
PROJECT NO	600401
PLAN NO	C-202

D07-12-21-0153

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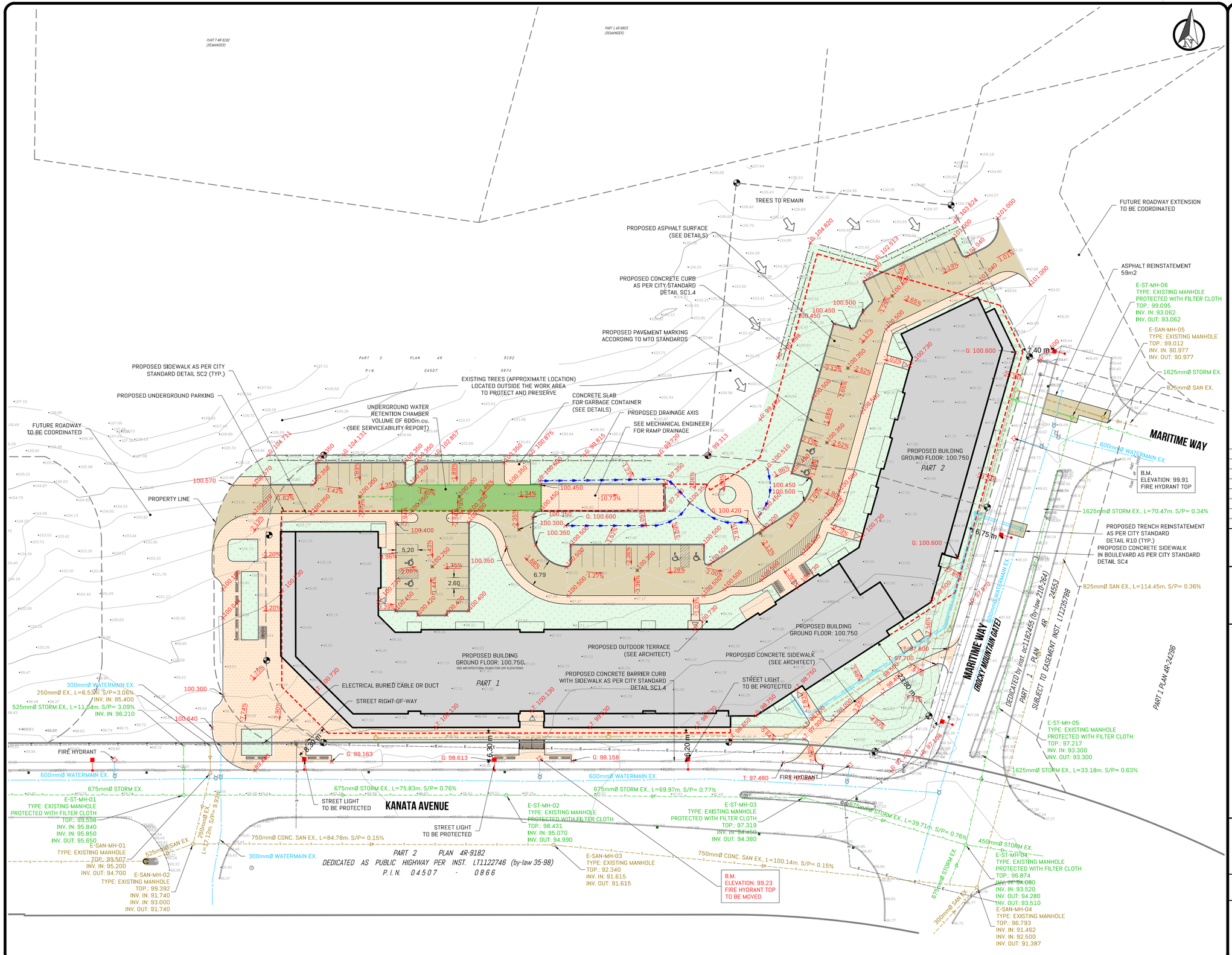

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SURVEY AND LOTS INFORMATION PROVIDED BY
FARLEY, SMITH & DENIS SURVEYING LTD.
DATE: SEPTEMBER 13 2021
FILE NO.: 139-21
PLANIMETRIC REFERENCE SYSTEM: MTM NAD 83 ZONE 9
ALTIMETRIC REFERENCE SYSTEM: CGVD28 HT2.0

SITE PLAN PREPARED BY
ROSSMANN
ARCHITECTURE
DATE: AVRIL 21 2022
PROJECT: 21019

EXISTING POWER DUCT BANK, WATERMAIN, STORM SEWER AND SANITARY SEWER FROM OTTAWA COORDINATING COMMITTEE CENTRAL REGISTRY AND CITY OF KANATA DEPARTMENT OF ENGINEERING

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

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CLIENT: emd batimo CONSTRUCTION PROMOTEUR ET GESTIONNAIRE IMMOBILIER

PROJECT:
LIB KANATA
KANATA AVENUE AND MARITIME WAY
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LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
SITE GRADING PLAN

SCALE: Horizontal 1:400 (0, 4, 8, 20 m)

DESIGN	F.LACROIX, CPI
DRAWN	J. QUESNEL, DESSINATEUR
APPROVED	B. BRAY, ING
DRAWING	C-203.dwg
DATE	2021-09-14
PROJECT NO	600401
PLAN NO	C-203

D07-12-21-0153

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STRUCTURE TABLE - STORM SEWER

NAME	DETAILS	ELEVATIONS/ INVERTS	RUNOFF COEFICIENT (Cr)	SURFACE AREA (ha)
ST-MH-01	1200mm FLOWRATE REGULATOR	INV.IN: 97.680 INV. OUT: 97.680 SUMP: 97.230		
CB-01	SEE MECHANICAL	TOP: 100.450	0,557	0,119
CB-02	SEE MECHANICAL	TOP: 100.350	0,595	0,141
CB-03	SEE MECHANICAL	TOP: 100.350	0,950	0,052
CB-04	SEE MECHANICAL	TOP: 100.350	0,682	0,142
CB-05	SEE MECHANICAL	TOP: 100.300	0,950	0,053
CB-06	SEE MECHANICAL	TOP: 100.300	0,950	0,071
CB-07	SEE MECHANICAL	TOP: 100.300	0,950	0,056
CB-08	SEE MECHANICAL	TOP: 100.250	0,950	0,068
CB-09	600mm x 600mm UNDERGROUND TANK	TOP: 100.200	0,868	0,042
CB-10	600mm x 600mm	TOP: 100.200 INV. OUT: 98.900 SUMP: 98.600	0,827	0,056

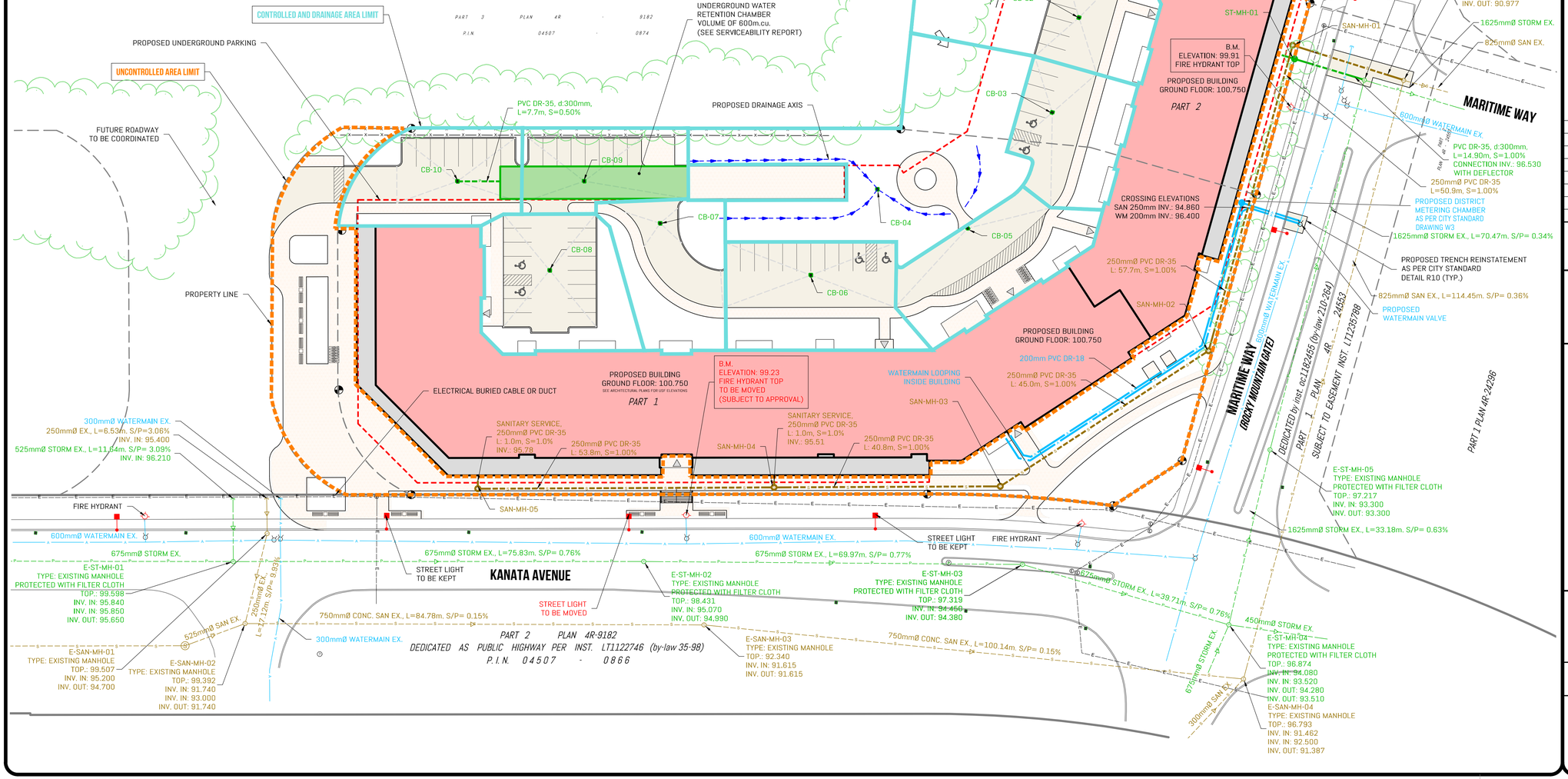
STRUCTURE TABLE - SANITARY SEWER

NAME	DETAILS	ELEVATIONS/INVERTS
SAN-MH-01	1200mm	INV.IN: 94.230 INV. OUT: 94.230
SAN-MH-02	915mm	INV.IN: 94.750 INV. OUT: 94.750
SAN-MH-03	915mm	INV.IN: 95.320 INV. OUT: 95.320
SAN-MH-04	915mm	INV.IN: 95.500 INV. OUT: 95.500
SAN-MH-05	915mm	INV.IN: 94.770 INV. OUT: 94.770

PART 1 4R-8803 (REMAINDER)

STORMWATER MANAGEMENT NOTES:

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



NOTE:

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SURVEY AND LOTS INFORMATION PROVIDED BY
FARLEY, SMITH & DENIS SURVEYING LTD.
DATE: SEPTEMBER 13 2021
FILE NO.: 139-21
PLANIMETRIC REFERENCE SYSTEM: MTM NAD 83 ZONE 9
ALTIMETRIC REFERENCE SYSTEM: CGVD28 HT2.0

SITE PLAN PREPARED BY
ROSSMANN
ARCHITECTURE
DATE: AVRIL 21 2022
PROJECT: 21019

EXISTING POWER DUCT BANK, WATERMAIN, STORM SEWER AND SANITARY SEWER FROM OTTAWA COORDINATING COMMITTEE CENTRAL REGISTRY AND CITY OF KANATA DEPARTMENT OF ENGINEERING

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CITY OF OTTAWA, ONTARIO

ÉQUIPE LAURENCE INGÉNIERIE CIVILE
733, chemin Jean-Adam, Piedmont (Québec) J0R 1R3
T 450 227 1857
info@equipelaurence.ca | equipelaurence.ca

LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
SITE SERVICING PLAN
AND DRAINAGE AREA

SCALE: Horizontal 1:400 (0, 4, 8, 20 m)

F.LACROIX, CPI	C-204.dwg
DESIGN	DRAWING
J. QUESNEL, DESSINATEUR	2021-09-14
DRAWN	DATE
B. BRAY, ING	600401 C-204
APPROVED	PROJECT NO PLAN NO

D07-12-21-0163

18603

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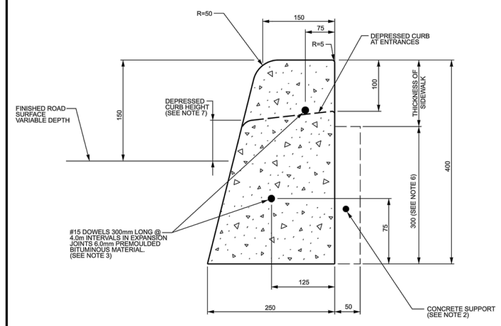


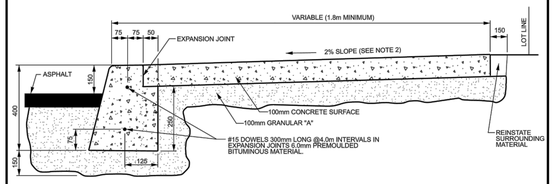
CONCRETE BARRIER CURB

NOTES:

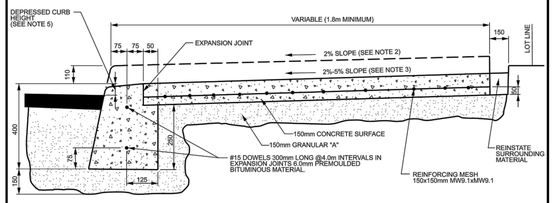
1. THE FULL CURB DEPTH SHALL BE CARRIED THROUGH THE DEPRESSED ACCESS CROSSING.
2. A CONCRETE SUPPORT IS REQUIRED WHEN BUILT ADJACENT TO THE SIDEWALK.
3. IF AN EXTRUSION CURBING MACHINE IS USED, THE EXPANSION BITUMINOUS MATERIAL AND THE #15 DOWELS ARE TO BE PLACED AT THE END OF THE EXTRUSION.
4. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
5. DUMMY JOINTS SHALL BE 25mm DEEP, FRONT, BACK AND TOP OF SECTION AT 4m SPACING OR MATCH JOINTING WHERE SIDEWALK IS ADJACENT.
6. FOR DEPRESSED CURB AT ENTRANCES USE 250.
7. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13mm.

N.T.S.

Ottawa	CONCRETE BARRIER CURB FOR GRANULAR BASE PAVEMENT (MODIFIED OPSD-600.110)	DATE:	JANUARY 2003
		REV. DATE:	MARCH 2021
		DWG. No.:	SC1.1



TYPICAL SIDEWALK SECTION



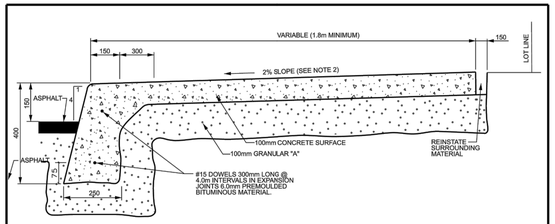
SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

NOTES:

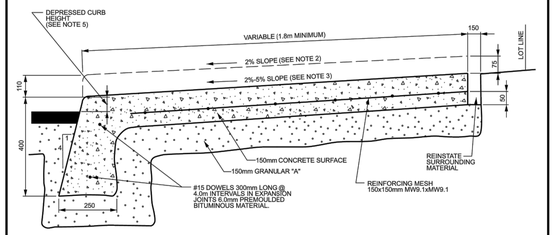
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
3. FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%..
4. EXPANSION AND DUMMY JOINTS AS PER SC5.
5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

N.T.S.

Ottawa	CONCRETE BARRIER CURB WITH SIDEWALK	DATE:	JANUARY 2003
		REV. DATE:	MAY 2021
		DWG. No.:	SC1.4



TYPICAL SIDEWALK SECTION



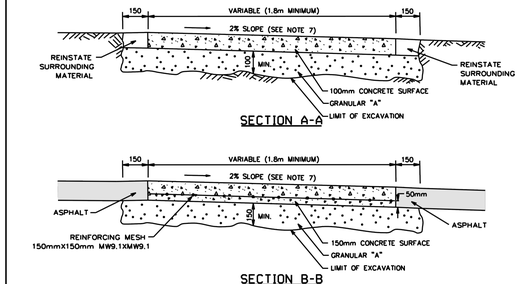
SECTION AT PRIVATE ENTRANCE AND PEDESTRIAN RAMPS

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
2. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%.
3. FOR CURB RAMPS, SLOPE OF 2% TO 5%, MAXIMUM 8%..
4. EXPANSION AND DUMMY JOINTS AS PER SC5.
5. DEPRESSED CURB HEIGHT - FOR PEDESTRIAN CURB RAMPS 0 TO 6 mm AND FOR PRIVATE ENTRANCES 0 TO 13 mm.

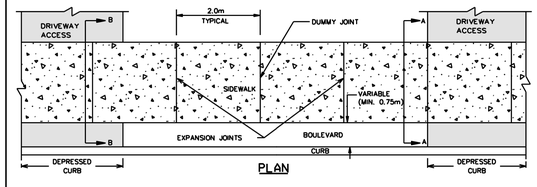
N.T.S.

Ottawa	MONOLITHIC CONCRETE CURB AND SIDEWALK	DATE:	MAY 2001
		REV. DATE:	MAY 2021
		DWG. No.:	SC2



SECTION A-A

SECTION B-B

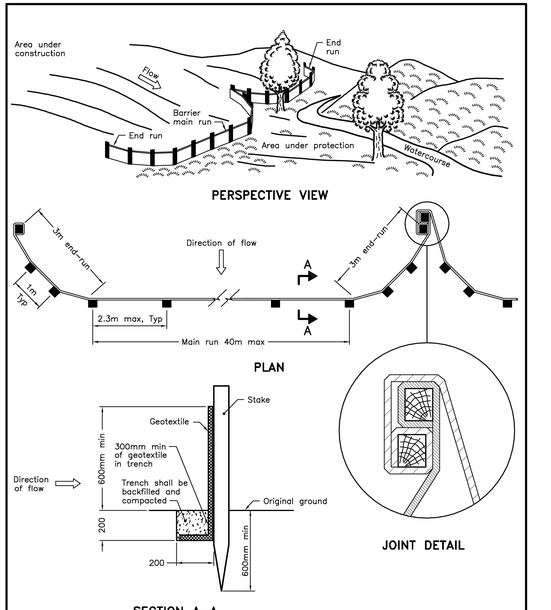


PLAN

NOTES:

1. CONCRETE AND GRANULAR "A" IS TO BE INCREASED TO 150mm AT THE ENTRANCE AND 150x150mm MW9.1 x MW9.1 REINFORCING MESH IS TO BE PLACED MID DEPTH WITHIN DRIVEWAY ACCESS.
2. TRANSVERSE EXPANSION JOINTS ARE REQUIRED AT THE ENDS, THE MIDPOINT, AT INTERVALS OF 4m MAXIMUM, AND ALSO TO ISOLATE OBSTRUCTIONS FROM SIDEWALK, HYDRANTS, POLES, BUILDINGS, ETC.
3. WHEN THE OVERALL SIDEWALK WIDTH EXCEEDS 2.5m, A LONGITUDINAL CONSTRUCTION JOINT SHALL BE CREATED AT ITS MIDPOINT.
4. EDGES AND JOINTS ARE TO BE FINISHED WITH A 75mm EDGING TOOL.
5. ALL CONCRETE SIDEWALKS ARE TO HAVE A BROOM FINISH UNLESS OTHERWISE SPECIFIED.
6. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
7. THE MAXIMUM SLOPE IS NOT TO EXCEED 2%
8. INSTALL DUMMY TRANSVERSE JOINTS AS REQUIRED SO THERE IS A MAXIMUM SPACING OF 2m BETWEEN ALL JOINTS.
9. SIDEWALK NOT TO BE DEPRESSED ACROSS DRIVEWAY ACCESSES.
10. EXPANSION AND DUMMY JOINTS AS PER SC5

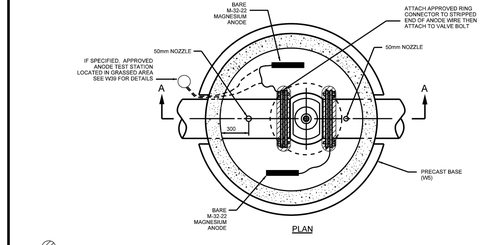
Ottawa	TYPICAL CONCRETE SIDEWALK IN BOULEVARD	DATE:	MAY 2001
		REV. DATE:	MARCH 2016
		DWG. No.:	SC4



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		



NOTES

FOR VALVES ON 300mm (NOMINAL) WATERMAINS.

1. CLEARANCE AROUND PIPE AT CHAMBER WALL TO BE 50mm MINIMUM.
2. VALVE CHAMBERS IN LIEU OF BOXES ON WATERMAINS SMALLER THAN 300mm ONLY TO BE USED, IF APPROVED BY THE CONTRACT ADMINISTRATOR.
3. REFER TO MW-13.1 FOR ADDITIONAL REQUIREMENTS
4. REFER TO MW-19.15 FOR APPROVED MANUFACTURERS.
5. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.
6. CATHODIC PROTECTION MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH W39, W40 AND W42.
7. TRACER WIRE REQUIRED FOR PVC, PEX AND HDPE WATERMAIN PIPE ONLY AS PER W36. TRACER WIRE TO BE CONNECTED TO VALVE BOLT AS PER W55 AND SECURED TO TOP OF CHAMBER.

Ottawa	CIRCULAR CHAMBER GATE VALVES	DATE:	MAY 2001
		REV. DATE:	MARCH 2021
		DWG. No.:	W3

REV	DESCRIPTION	BY	DATE
F	FOR SITE PLAN APPLICATION REVISION 5	B.B	2022-07-12
E	FOR SITE PLAN APPLICATION REVISION 4	B.B	2022-07-07
D	FOR SITE PLAN APPLICATION REVISION 3	A.L.	2022-03-23
C	FOR SITE PLAN APPLICATION REVISION 2	A.L.	2021-10-07
B	FOR SITE PLAN APPLICATION REVISION 1	A.L.	2021-09-24
A	FOR SITE PLAN APPLICATION	A.L.	2021-09-17

CLIENT: emd batimo CONSTRUCTION PROMOTEUR ET GESTIONNAIRE IMMOBILIER

PROJECT:
LIB KANATA
KANATA AVENUE AND MARITIME WAY
CITY OF OTTAWA, ONTARIO

ÉQUIPE LAURENCE INGÉNIERIE CIVILE
733, chemin Jean-Adam, Piedmont (Québec) J0R 1R3
T 450 227 1857
info@equipelaurence.ca | equipelaurence.ca

LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
STANDARD SECTIONS AND DETAILS

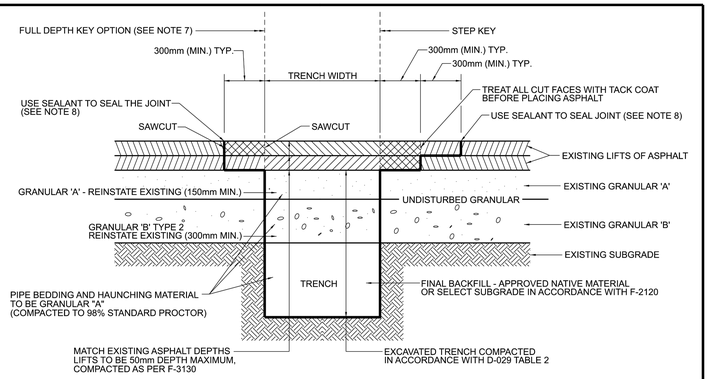
SCALE: NO SCALE

F.LACROIX, CPI		C-205.dwg	
DESIGN		DRAWING	
J. QUESNEL, DESSINATEUR		2021-09-14	
DRAWN		DATE	
B. BRAY, ING		600401	C-205
APPROVED		PROJECT NO	PLAN NO

D07-12-21-0153

18603

STANDARD TRENCH REINSTATEMENT IN PAVED SURFACE

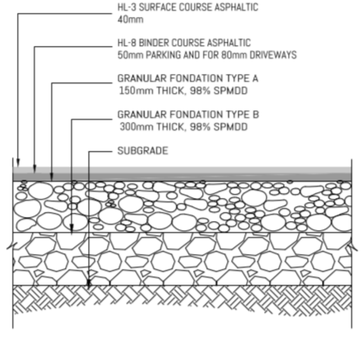


N.T.S.

NOTES:

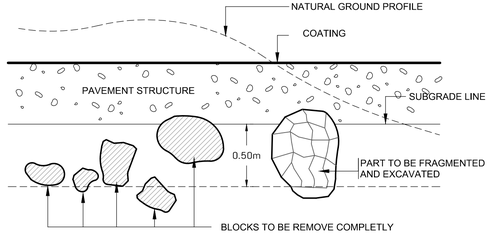
1. ALL EXISTING ASPHALT TO BE SAW CUT.
2. UNLESS SPECIFIED ELSEWHERE, SURFACE COURSE ASPHALT SUPERPAVE 12.5mm AND BASE COURSE ASPHALT SUPERPAVE 19.0mm IS TO BE USED.
3. UNLESS SPECIFIED ELSEWHERE, ASPHALT MIX SHALL BE LEVEL B (PG58-34) FOR NON-BUS LOCAL ROADS, AND LEVEL D (PG 64-34) FOR ALL OTHER ROADS.
4. UNLESS SPECIFIED ELSEWHERE, WHERE EXISTING PAVEMENT STRUCTURE EXCEEDS 150mm IN DEPTH, ASPHALT REINSTATEMENT SHALL BE 150mm AND GRANULAR 'A' FOR THE REMAINDER.
5. 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.
6. UNLESS SPECIFIED ELSEWHERE, HOT MIX ASPHALT PLACEMENT AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH F-3130.
7. STEP KEY REINSTATEMENT TO BE IMPLEMENTED UNLESS FULL DEPTH KEY OPTION APPROVED BY THE CITY.
8. ALL EDGES TO BE ROUTED AND SEALED WITH A BEAD OF HOT RUBBERIZED ASPHALT JOINT SEALING COMPOUND.

DATE:	MAY 2001
REVISION DATE:	MARCH 2022
DWG No.:	R10



PARKING AND ACCESS FOUNDATION ASPHALT SURFACE

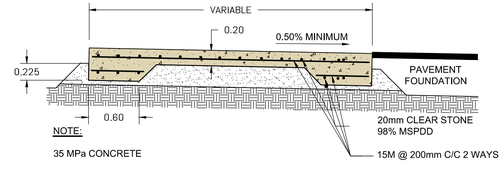
(TO BE VERIFIED BY GEOTECHNICAL ENGINEER)



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 BLOCS, 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



NOTE:

35 MPa CONCRETE

STATISTICAL STRENGTH TEST ANALYSIS TO CONFIRM THE STRENGTH LEVEL INCLUDING THE EXPECTED 7/28-DAY STRENGTH RATIO (AS PER CSA A23.1 CLAUSE 4.4.6.7)

REINFORCED CONCRETE SLAB FOR GARBAGE CONTAINERS

REV	DESCRIPTION	BY	DATE
F	FOR SITE PLAN APPLICATION REVISION 5	B.B	2022-07-12
E	FOR SITE PLAN APPLICATION REVISION 4	B.B	2022-07-07
D	FOR SITE PLAN APPLICATION REVISION 3	A.L.	2022-03-23

CLIENT: emd batimo CONSTRUCTION PROMOTEUR ET GESTIONNAIRE IMMOBILIER

PROJECT:
LIB KANATA
KANATA AVENUE AND MARITIME WAY
CITY OF OTTAWA, ONTARIO

ÉQUIPE LAURENCE INGÉNIERIE CIVILE
733, chemin Jean-Adam, Piedmont (Québec) J0R 1R3
T 450 227 1857
info@equipelaurence.ca | equipelaurence.ca

LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
STANDARD SECTIONS AND DETAILS II

SCALE: NO SCALE

F.LACROIX, CPI	DESIGN	C-206.dwg	DRAWING
J. QUESNEL, DESSINATEUR	DRAWN	2021-09-14	DATE
B. BRAY, ING	APPROVED	600401	PROJECT NO
		C-206	PLAN NO

D07-12-21-0163

18603

REV	DESCRIPTION	BY	DATE
F	FOR SITE PLAN APPLICATION REVISION 5	B.B	2022-07-12
E	FOR SITE PLAN APPLICATION REVISION 4	B.B	2022-07-07
D	FOR SITE PLAN APPLICATION REVISION 3	A.L.	2022-03-23

CLIENT:
emd batimo
CONSTRUCTION PROMOTEUR ET GESTIONNAIRE IMMOBILIER

PROJECT:
LIB KANATA
KANATA AVENUE AND MARITIME WAY
CITY OF OTTAWA, ONTARIO

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733, chemin Jean-Adam, Piedmont (Québec) J0R 1R3
T 450 227 1857
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LICENSED PROFESSIONAL ENGINEER
B. BRAY
100568973
PROVINCE OF ONTARIO
2022-07-12

TITLE:
FIRE HYDRANT COVERAGE MAP

SCALE: Horizontale 1:1000 (0, 10, 20, 50m)

DESIGN: F.LACROIX, CPI	DRAWING: C-207.dwg
DRAWN: J. QUESNEL, DESSINATEUR	DATE: 2021-09-14
APPROVED: B. BRAY, ING	PROJECT NO: 600401
	PLAN NO: C-207

DD7-12-21-0153

18603

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