emd batimo
CONSTRUCTION PROMOTEUR ET GESTIONNAIRE IMMOBILIER

PROJECT:

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

PROJECT NO: **600401**

DATE: **2021-09-24**

ÉQUIPE LAURENCE INGÉNIERIE CIVILE

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

LIB KANATA - KANATA AVENUE AND MARITIME WAY
PROJET 600401 - PLANS ÉMIS FOR SITE PLAN APPLICATION REVISION 1, LE 2021-09-24

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

Refer to the City of Otawa for regulations and standards.

Ontario provincial standars 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

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
- 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 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
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
ISOLATED WETLAND
EXISTING TREE
WOODED AREA
GUARDRAIL
STONE RETAINING WALL
EXISTING FIRE HYDRANT
PROPOSED FIRE HYDRANT
EXISTING WATER SERVICE VALUE
PROPOSED WATER SERVICE VALUE
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
RPE-01 EXISTING STORM SEWER MANHOLE
RP-01 PROPOSED STORM SEWER MANHOLE
RSE-01 EXISTING SANITARY SEWER MANHOLE
RS-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 STONES SURFACE
PROPOSED GRANITE STONES
EXISTING ASPHALT SURFACE TO BE REMOVED
EXISTING SURFACE TO BE REMOVED
26.300 PROPOSED ELEVATION
B: 26.450 PROPOSED ELEVATION OF CONCRETE CURB
D: 26.450 PROPOSED ELEVATION OF CONCRETE SLAB
G: 26.650 PROPOSED TOP ELEVATION OF GRASS
T: 26.450 PROPOSED TOP ELEVATION OF SIDEWALK
TW: 26.450 PROPOSED TOP ELEVATION OF RETAINING WALL
BW: 26.450 PROPOSED BOTTOM ELEVATION OF RETAINING WALL
.25.30 EXISTING ELEVATION OF SURFACE
-3.00% GRADING SLOPES
NORTH

LIST OF PLANS

C-201 TECHNICAL AND GENERAL SPECIFICATIONS, LEGEND AND NOTES LOCATION
C-202 PLAN VIEW EXISTING ITEMS, DEMOLITION AND EROSION AND SEDIMENT CONTROL PLAN
C-203 SITE GRADING PLAN
C-204 SITE SERVICING PLAN AND DRAINAGE AREA
C-205 STANDARD SECTIONS AND DETAILS

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
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

LICENCED PROFESSIONAL ENGINEER A.LATOUR 100222266 PROVINCE OF ONTARIO
2021-09-26

TITLE:
TECHNICAL AND GENERAL SPECIFICATIONS, LEGEND AND NOTES LOCATION

SCALE: NO SCALE

B. BRAY, ing. / L.MENARD, CPI	DESIGN	C-200.dwg	DRAWING
F. LANDRY	DRAWN	2021-09-14	DATE
A. LATOUR, ing.	APPROVED	600401	PROJECT NO
		C-201	PLAN NO

EROSION AND SEDIMENT CONTROL

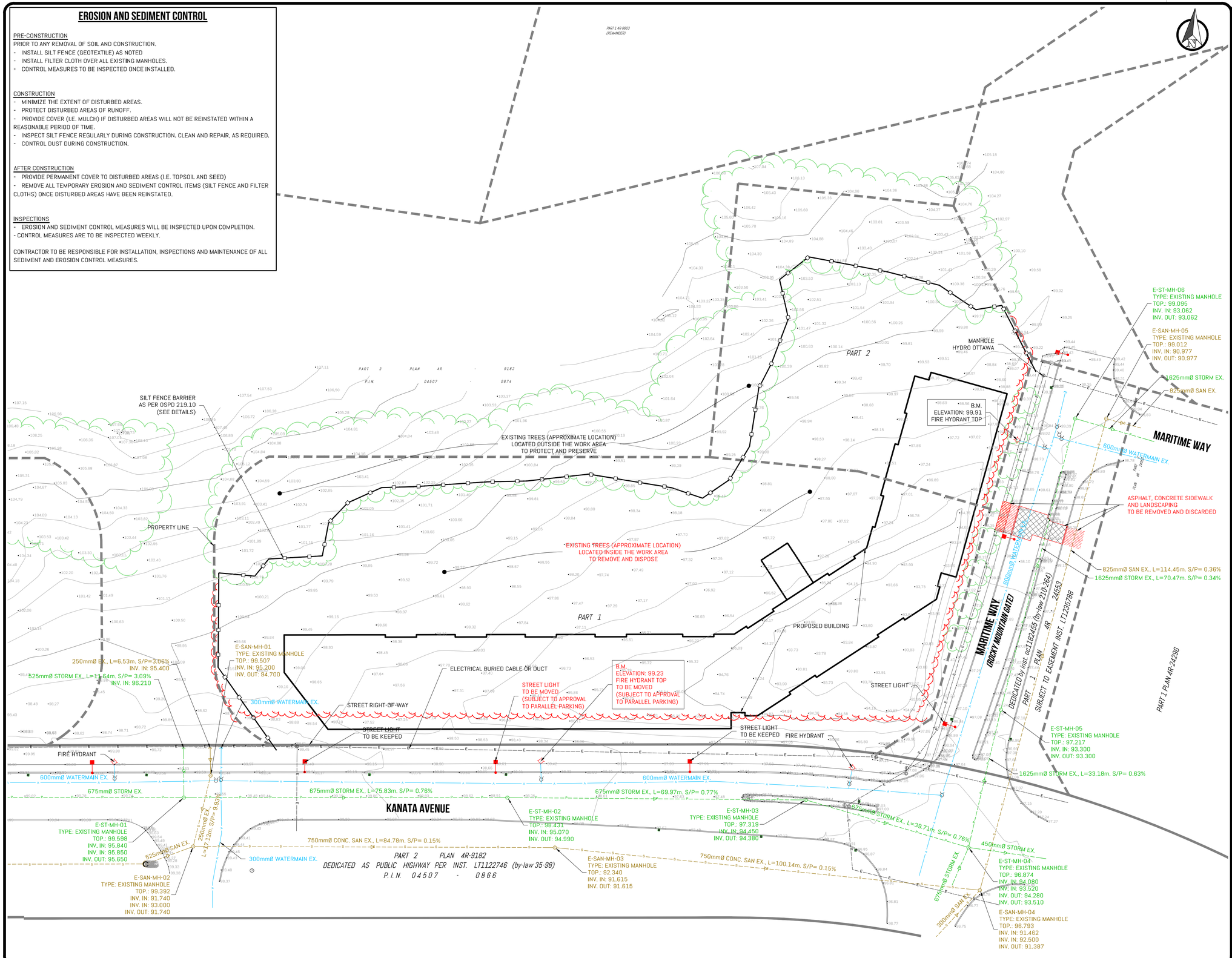
PRE-CONSTRUCTION
PRIOR TO ANY REMOVAL OF SOIL AND CONSTRUCTION.
- INSTALL SILT FENCE (GEOTEXTILE) AS NOTED
- INSTALL FILTER CLOTH OVER ALL EXISTING MANHOLES.
- CONTROL MEASURES TO BE INSPECTED ONCE INSTALLED.

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.



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.

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
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

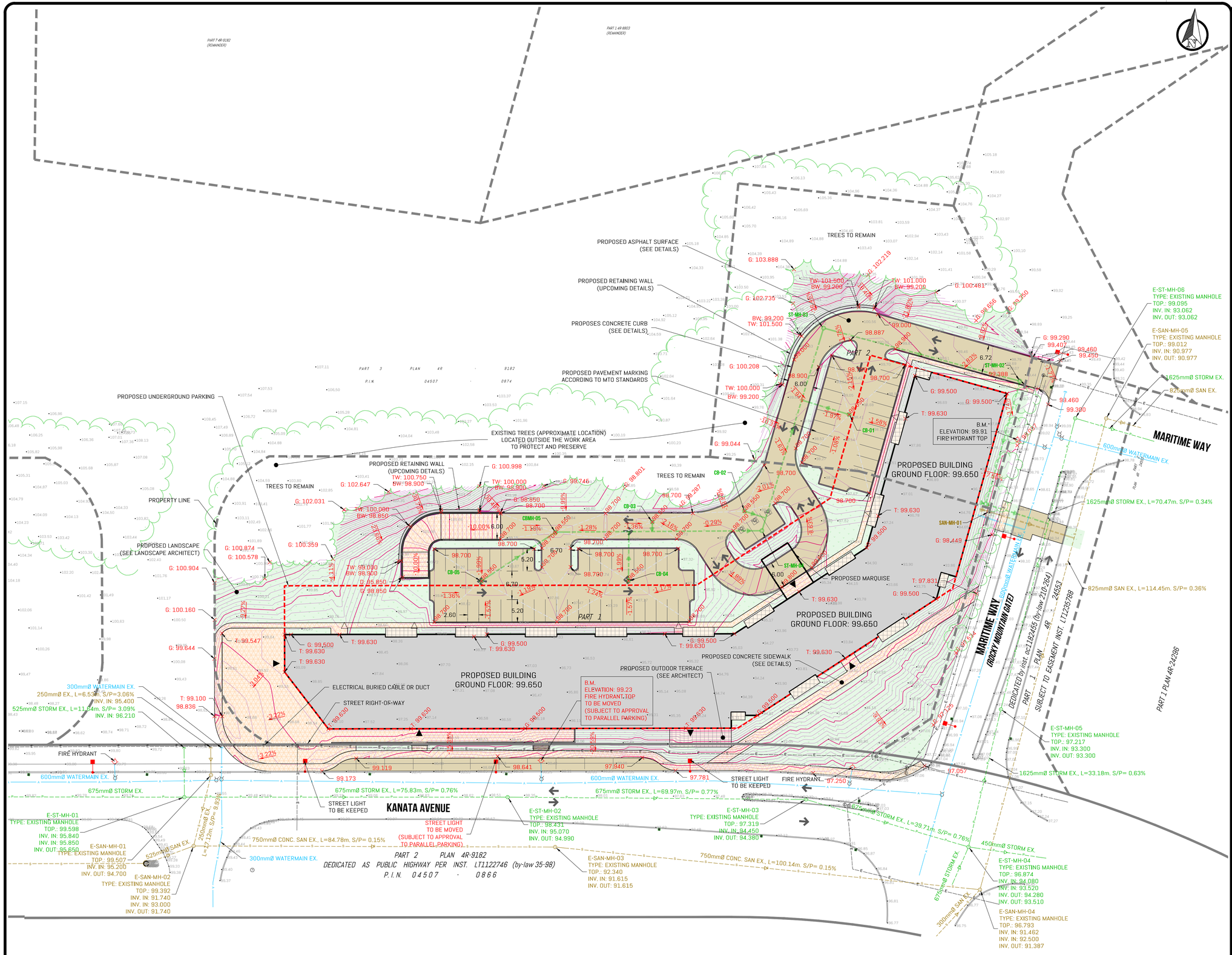
LICENCE PROFESSIONAL ENGINEER ALATOUR 100222589 PROVINCE OF ONTARIO
2021-09-26

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

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

B. BRAY, ing. / L.MENARD, CPI	DESIGN	C-202.dwg	DRAWING
F. LANDRY	DRAWN	2021-09-14	DATE
A. LATOUR, ing.	APPROVED	600401	PROJECT NO
		C-202	PLAN NO

f:\eq\ projets\60040115_Plans\C-202.dwg, 2021-09-23 15:39:52, flandry



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

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

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.

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
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

ORDRE DES INGÉNIEURS DU QUÉBEC PROFESSIONAL ENGINEER ALATOUR 100222589 PROVINCE OF ONTARIO
2021-09-26

TITLE:
SITE GRADING PLAN

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

B. BRAY, ing. / L.MENARD, CPI	C-203.dwg
DESIGN	DRAWING
F. LANDRY	2021-09-14
DRAWN	DATE
A. LATOUR, ing.	600401
APPROVED	PROJECT NO
	C-203
	PLAN NO

f:\ec\ projets\60040115_Plans\C-203.dwg, 2021-09-23 15:40:13, flandry

STRUCTURE TABLE - STORM SEWER

NAME	DETAILS	ELEVATIONS / INVERTS	LOCATION
ST-MH-01	1200mmØ FLOWRATE REGULATOR	TOP.: 99.128 SUMP : 95.500 (N) 300mmØ PVC DR-35 INV. IN: 95.950 (W) 200mmØ PVC DR-35 INV. IN: 97.900 (E) 200mmØ PVC DR-35 INV. OUT: 95.950	X: 351429.4063 Y: 5019405.2426
ST-MH-02	915mmØ	TOP.: 99.375 SUMP : 95.800 (W) 300mmØ PVC DR-35 INV. IN: 96.150 (S) 300mmØ PVC DR-35 INV. OUT: 96.100	X: 351434.4303 Y: 5019434.7538
ST-MH-03	915mmØ	TOP.: 98.987 SUMP : 96.050 (S) 300mmØ PVC DR-35 INV. IN: 96.400 (E) 300mmØ PVC DR-35 INV. OUT: 96.350	X: 351387.3506 Y: 5019442.4216
ST-MH-04	915mmØ	TOP.: 98.671 SUMP : 96.300 (W) 300mmØ PVC DR-35 INV. IN: 96.650 (N) 300mmØ PVC DR-35 INV. OUT: 96.600	X: 351377.8340 Y: 5019393.6379

STRUCTURE TABLE - STORM SEWER

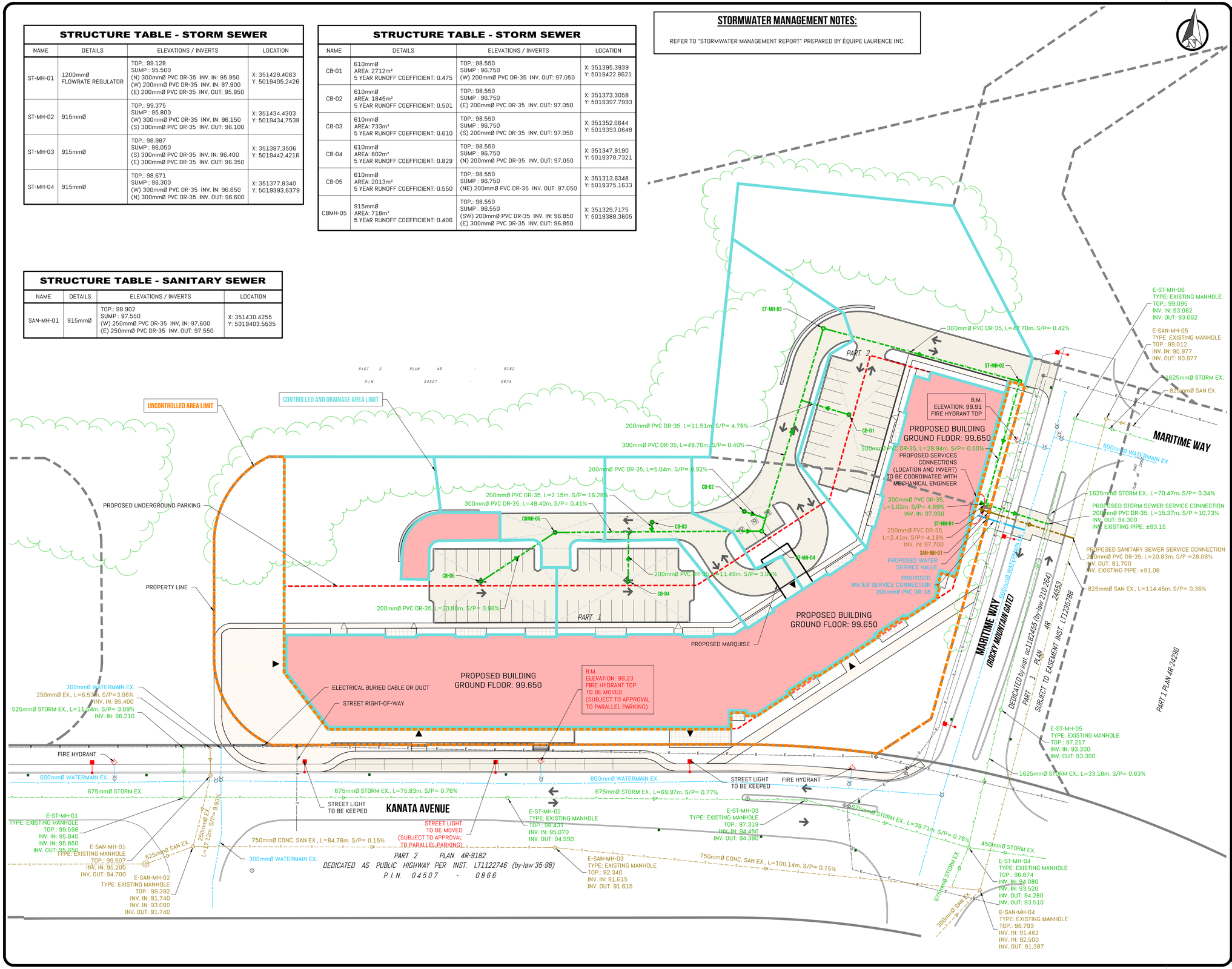
NAME	DETAILS	ELEVATIONS / INVERTS	LOCATION
CB-01	610mmØ AREA: 2712m² 5 YEAR RUNOFF COEFFICIENT: 0.475	TOP.: 98.550 SUMP : 96.750 (W) 200mmØ PVC DR-35 INV. OUT: 97.050	X: 351395.3939 Y: 5019422.8621
CB-02	610mmØ AREA: 1845m² 5 YEAR RUNOFF COEFFICIENT: 0.501	TOP.: 98.550 SUMP : 96.750 (E) 200mmØ PVC DR-35 INV. OUT: 97.050	X: 351373.3058 Y: 5019397.7993
CB-03	610mmØ AREA: 733m² 5 YEAR RUNOFF COEFFICIENT: 0.610	TOP.: 98.550 SUMP : 96.750 (S) 200mmØ PVC DR-35 INV. OUT: 97.050	X: 351352.0644 Y: 5019393.0648
CB-04	610mmØ AREA: 802m² 5 YEAR RUNOFF COEFFICIENT: 0.829	TOP.: 98.550 SUMP : 96.750 (N) 200mmØ PVC DR-35 INV. OUT: 97.050	X: 351347.9190 Y: 5019378.7321
CB-05	610mmØ AREA: 2013m² 5 YEAR RUNOFF COEFFICIENT: 0.550	TOP.: 98.550 SUMP : 96.750 (NE) 200mmØ PVC DR-35 INV. OUT: 97.050	X: 351313.6348 Y: 5019375.1633
CBMH-05	915mmØ AREA: 718m² 5 YEAR RUNOFF COEFFICIENT: 0.406	TOP.: 98.550 SUMP : 96.550 (SW) 200mmØ PVC DR-35 INV. IN: 96.850 (E) 300mmØ PVC DR-35 INV. OUT: 96.850	X: 351329.7175 Y: 5019388.3605

STRUCTURE TABLE - SANITARY SEWER

NAME	DETAILS	ELEVATIONS / INVERTS	LOCATION
SAN-MH-01	915mmØ	TOP.: 98.902 SUMP : 97.550 (W) 250mmØ PVC DR-35 INV. IN: 97.600 (E) 250mmØ PVC DR-35 INV. OUT: 97.550	X: 351430.4255 Y: 5019403.5535

STORMWATER MANAGEMENT NOTES:

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



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.

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
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

LICENCE PROFESSIONAL ENGINEER
A. LATOUR
100222290
PROVINCE OF ONTARIO

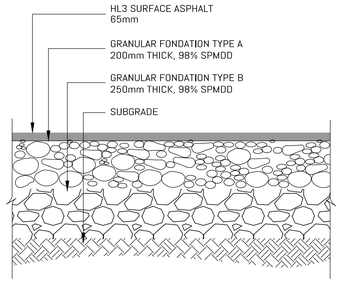
2021-09-26

TITLE:
SITE SERVICING PLAN
AND DRAINAGE AREA

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

B. BRAY, ing. / L.MENARD, CPI		C-204.dwg	
DESIGN		DRAWING	
F. LANDRY		2021-09-14	
DRAWN		DATE	
A. LATOUR, ing.		600401	C-204
APPROVED		PROJECT NO	PLAN NO

f:\eq\ projets\600401\5_Plans\C-204.dwg, 2021-09-23 15:40:34, flandry



PARKING AND ACCESS FOUNDATION ASPHALT SURFACE

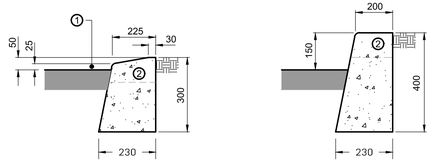
(TO BE VERIFIED BY GEOTECHNICAL ENGINEER)

① THE HEIGHT ABOVE THE PAVEMENT LEVEL IS 5mm FOR UNIVERSAL ACCESS AND FOR AJOINING BIKE PATH

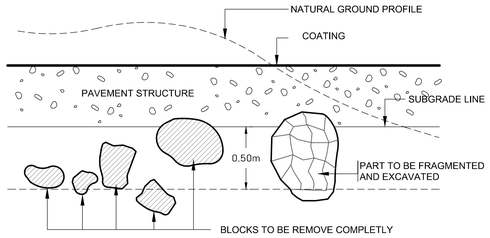
② TO CONTROL CRACKING, THE CURB IS CUT TO A DEPTH OF 100mm AT 6.0 m APART

NOTES:

- THE TRANSITION LENGTH BETWEEN A RAISED (OR LOWER) AND LEVELED CURB IS 1000mm;
- THE GRANULAR MATERIAL USED IN THE FOUNDATION (MINIMUM. THICKNESS : 150 mm) MUST BE GRANULAR FOUNDATION TYPE A
- THE FILL BEHIND THE CURB WILL BE DONE USING SIMILAR TO THE SURROUNDING SOIL;
- EDGES MUST BE ROUND TO A RADIUS OF 20mm;
- IN THE PRESENCE OF FIXED STRUCTURES SUCH AS A FIRE HYDRANT, THE SEPARATION JOINTS MUST BE DONE TO THE FULL THICKNESS OF THE CURB;
- DIMENSIONS ARE IN MILLIMETERS.
- CONCRETE CEMENT: TYPE VI OR VII
- COMPRESSION TESTS AT 7 DAYS AND 28 DAYS WILL BE PERFORMED BY A CERTIFIED LABORATORY.



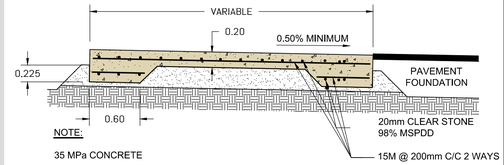
CONCRETE CURB



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

THIS DOCUMENT MUST NOT BE USED FOR CONSTRUCTION

REV	DESCRIPTION	BY	DATE
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

LICENCED PROFESSIONAL ENGINEER A.LATOUR 100222299 PROVINCE OF ONTARIO
2021-09-26

TITLE:
STANDARD SECTIONS AND DETAILS

SCALE: NO SCALE

B. BRAY, ing. / L.MENARD, CPI	C-205.dwg	
DESIGN	DRAWING	
F. LANDRY	2021-09-14	
DRAWN	DATE	
A. LATOUR, ing.	600401	C-205
APPROVED	PROJECT NO	PLAN NO

① FILL BEHIND SIDEWALKS TO BE MADE WITH MATERIAL SIMILAR TO ADJACENT MATERIAL.

② THE CONCRETE THICKNESS MUST BE 150mm.

③ A COMPRESSIBLE BOARD WILL BE INSTALLED ON COMPLETE DEPTH OF CONCRETE FROM BACK OF SIDEWALK TO 25mm FROM FRONT SIDEWALK. A SAWCUT WILL BE DONE AT THE HELL IN LINE WITH THE COMPRESSIBLE BOARD.

④ THE FOUNDATION WILL BE GRANULAR FONDATION TYPE A

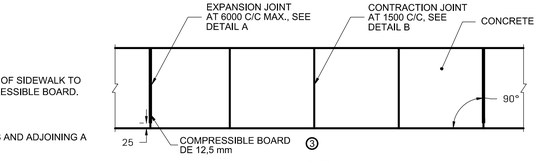
⑤ THE HEIGHT ABOVE PAVEMENT WILL BE 25mm FOR DRIVEWAYS, 5mm FOR A UNIVERSAL ACCESS AND ADJOINING A BIKE PATH.

THE CURB WILL BE CUT A 100mm DEEP AT EVERY 6.00m LENGTH.

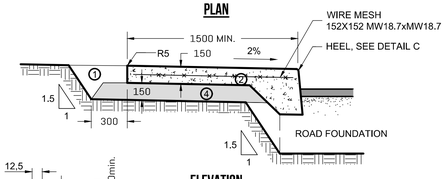
NOTES:

- SEPARATION JOINTS ARE REQUIRED BETWEEN SIDEWALK AND FIXED OBJECT SUCH AS A FIXE HYDRANT, A POLE OR MANHOLE;
- FOUNDATION AND SUBFOUNDATION MATERIAL WILL BE USED UNTIL TOP EMBANKMENT IS REACHED;
- MESUREMENTS ARE IN MILLIMETERS;
- CONCRETE CEMENT:
  - POURED IN PLACE: TYPE IV OR V;
  - MMOULDED ON SITE: TYPE VI ORVII.
- COMPRESSION TESTS AT 7 DAYS AND 28 DAYS WILL BE PERFORMED BY A CERTIFIED LABORATORY.

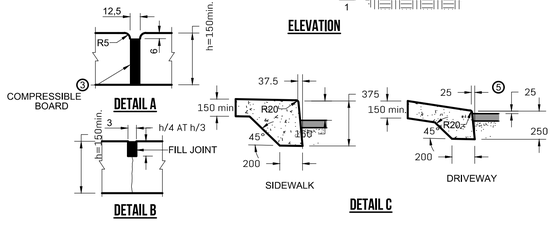
LIMITED MOBILITY PERSON LAYOUT, VIEW DRAWING BOARD OPSD 219.110



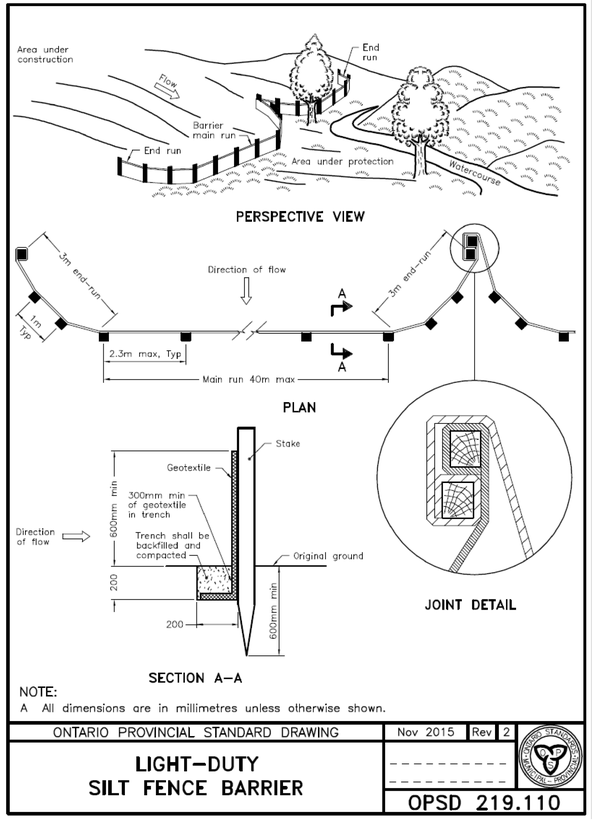
PLAN



ELEVATION



MONOLITHIC SIDEWALK AND CURB



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

f:\ecl projets\60040\15_Plans\C-205.dwg, 2021-09-23 15:40:50, flandry