AGENDA
ORDRE DU JOUR

CITY COUNCIL MEETING
Council Chambers
City Hall
655 Main Street
Moncton, NB

ASSEMBLÉE DU CONSEIL MUNICIPAL
Salle du Conseil
Hôtel de ville
655, rue Main
Moncton, NB

MONCTON

DAWN ARNOLD, MAYOR / MAIRESSE
COUNCILLORS / CONSEILLERS
Monique LeBlanc – At Large / Générale
Marty Kingston – At Large / Général
Shawn Crossman – Ward 1 / Quartier 1
Paulette Thériault – Ward 1 / Quartier 1
Daniel Bourgeois – Ward 2 / Quartier 2
Charles Léger – Ward 2 / Quartier 2
Bryan Butler – Ward 3 / Quartier 3
Dave Steeves – Ward 3 / Quartier 3
Susan Edgett – Ward 4 / Quartier 4
Paul Richard – Ward 4 / Quartier 4

December 5, 2022, 4:00 pm | le 5 décembre 2022, 16 h 00

1. CALL TO ORDER
2. ADOPTION OF AGENDA
   - 2.1 2022-12-05
3. CONFLICT OF INTEREST DECLARATIONS
4. ADOPTION OF MINUTES
5. CONSENT AGENDA

PUBLIC PRESENTATIONS

6. PUBLIC AND ADMINISTRATION PRESENTATIONS
   - 6.1 PUBLIC PRESENTATIONS
     - 6.1.1 Presentation – Compassionate Care & Increasing Community Capacity for Grief Support – Frances LeBlanc, Executive Director of Hospice SENB
   - 6.2 ADMINISTRATION PRESENTATIONS
     - 6.2.1 Update – RCMP – Superintendent Benoit Jolette, interim Officer in Charge (OIC) of the Codiac Regional RCMP

1. OUVERTURE DE LA SÉANCE
2. ADOPTION DE L'ORDRE DU JOUR
   - 2.1 2022-12-05 1
3. DÉCLARATIONS DE CONFLITS D'INTÉRÊTS
4. ADOPTION DU PROCÈS VERBAL
5. QUESTIONS SOUMISES À L'APPROBATION DU CONSEIL

EXPOSÉS DU PUBLIC

6. EXPOSÉS DU PUBLIC ET DE L'ADMINISTRATIONS
   - 6.1 EXPOSÉS DU PUBLIC
     - 6.1.1 Présentation – Soins prodigués avec compassion et accroissement de la capacité communautaire pour le soutien au deuil – Frances LeBlanc, directrice générale, Hospice SENB 5
   - 6.2 EXPOSÉS DE L'ADMINISTRATION
     - 6.2.1 Mise à jour – GRC – Benoit Jolette, inspecteur, surintendant remplaçant du Service régional de Codiac de la GRC

7.	PLANNING MATTERS	7.	QUESTIONS D'URBANISME
7.1	Introduction – 1333 Main Street – Rezoning lands from R2U (Urban Dwelling Zone), R3 (Multiple Unit Dwelling) to CBD (Central Business District)	7.1	Introduction – 1333, rue Main – Rezonage de terrains des zones R2U (Zone d'habitations urbaines) et R3 (Zone d'habitations multifamiliales) à la zone CBD (Zone du quartier central des affaires) 17
7.2	By-Law Relating to Buildings in the City of Moncton – Z-422	7.2	Arrêté de construction de la Ville de Moncton – Z-422 67
7.3	Tentative Subdivision Plan – Magnetic Hill Estates Unit 10	7.3	Plan de lotissement provisoire – Magnetic Hill Estates – Unité 10 83
7.4	Tentative Subdivision Plan – Jonathan Park Unit 4 (item tabled - October 17,2022 meeting)	7.4	Plan de lotissement provisoire – Parc Jonathan – Unité 4 (item déposé - séance 17 octobre 2022) 297
8.	STATEMENTS BY MEMBERS OF COUNCIL	8.	EXPOSÉS DES MEMBRES DU CONSEIL
9.	REPORTS AND RECOMMENDATIONS FROM COMMITTEES AND PRIVATE MEETINGS	9.	RAPPORTS ET RECOMMANDATIONS DES COMITÉS ET RÉUNIONS À HUIS CLOS
9.1	Recommendation(s) – Committee of the Whole – November 28, 2022	9.1	Recommandation(s) – Comité plénier – 28 novembre 2022 312
10.	REPORTS FROM ADMINISTRATION	10.	RAPPORTS DE L'ADMINISTRATION
10.1	Public Hearing – 2023 BIA Budget	10.1	Audience publique – Budget de la Zone d'amélioration des affaires du centre-ville 2023 315
10.2	Recommendation to Award Quotation QP22-082 – Janitorial Services (Magnetic Hill Zoo)	10.2	Recommandation pour l'octroi du contrat lié à la proposition de prix QP22-082 – Services de concierge (Zoo de Magnetic Hill) 322
10.3	Request for Proposal RFP22-042 – HVACR and Gas Heating Preventive Maintenance and Repair Services	10.3	Demande de propositions RFP22-042 – Services d'entretien préventif et de réparation des systèmes de CVCR et de chauffage au gaz 325
11.	READING OF BY-LAWS	11.	LECTURE D'ARRÊTÉS MUNICIPAUX
11.1	A By-law in Amendment of a By-Law Relating to the approval of the Budget for Downtown Moncton Centre-ville Inc. and to Establish a Special Business Improvement Area Levy in the City of Moncton, being By-Law A-1002.21	11.1	Arrêté portant modification de l'Arrêté concernant l'approbation du budget de Downtown Moncton Centre-ville Inc. et l'établissement d'une contribution spéciale pour la zone d'amélioration des affaires de la Ville de 328

First reading

Moncton, soit l'arrêté A-1002.21

Première lecture

11.2	A By-Law in Amendment of the City of Moncton Zoning By-Law, being By-law Z-222.10 – 1333 Main Street – First Readings (subject to approval of item 7.1)	11.2	Arrêté portant modification de l'Arrêté de zonage de la Ville de Moncton, soit l'arrêté Z-222.10 – 1333, rue Main – Première lecture (sous réserve de l'approbation du point 7.1)	329
11.3	A By-law Relating to Buildings in the City of Moncton, being By-law Z-422 – First Reading (subject to approval of item 7.2)	11.3	Arrêté de construction de la Ville de Moncton, soit l'arrêté Z-422 – Première lecture (sous réserve de l'approbation du point 7.2)	331
11.4	A By-Law in Amendment of a By-Law Respecting the Proceedings of Moncton City Council and Committee Meetings, being By-Law A-418.5 – First Reading	11.4	Arrêté portant modification de l'Arrêté concernant les délibérations du Conseil municipal de Moncton et les réunions des comités, soit l'arrêté A-418.5 – Première lecture	345
11.5	A By-Law in amendment of a By-Law relating to establishing a code of conduct for elected officials, being By-Law A-1218.1 – Second and third reading	11.5	Arrêté portant modification de l'Arrêté concernant l'établissement d'un code de déontologie des représentants élus, soit l'arrêté A-1218.1 – Deuxième et troisième lectures	346
11.6	A By Law in amendment of By-Law respecting fees, rates and charges for services provided by the City of Moncton, being By-Law A-1318.7 – Second and third reading	11.6	Arrêté portant modification de l'Arrêté concernant les droits, tarifs et redevances pour les services fournis par la Ville de Moncton, soit l'arrêté A-1318.7 – Deuxième et troisième lectures	351
12.	MOTIONS AND RESOLUTIONS	12.	MOTIONS ET RÉSOLUTIONS	
12.1	Withdrawal from Utility Capital Reserve Fund for 2022 Meter Replacement Program Costs incurred	12.1	Retrait de la réserve générale des infrastructures des services publics pour financer les coûts du Programme de remplacement des compteurs d'eau 2022	379
12.2	Withdrawal from General Capital Reserve Fund for 2022 Deferred Facility Maintenance	12.2	Retrait de la réserve générale d'immobilisations pour financer les coûts reportés de l'entretien des installations de 2022	381
12.3	Withdrawal from General Capital Reserve Fund for Avenir Centre Major Maintenance and Rehabilitation Payment	12.3	Retrait de la réserve générale d'immobilisations pour financer les coûts de grands travaux d'entretien et de remise en état du Centre Avenir	384
12.4	Deposit to General Capital Reserve for Fleet Reserve	12.4	Dépôt, dans la réserve générale d'immobilisations	386

	from sale of fleet equipment		pour la réserve de la flotte, du produit de la vente de biens d'équipement de la flotte	
12.5	Withdrawal from General Capital Reserve Fund for 2022 City Fleet Replacement	12.5	Retrait de la réserve générale d'immobilisations pour financer le remplacement de véhicules de la flotte de la Ville en 2022	388
12.6	Deposit to General Operating Reserve Fund for various operational items being deferred (Electric Bus Feasibility Study, Recreation Master Plan Feasibility Study, Municipal Plan Consulting)	12.6	Dépôt dans la réserve générale d'exploitation pour divers projets d'exploitation reportés (étude de faisabilité concernant les autobus électriques, étude de faisabilité concernant le plan directeur des loisirs, consultations sur le Plan municipal)	390
12.7	Withdrawal from General Operating Reserve Fund for City of Moncton's contribution towards the 2023 IIHF World Junior Championship	12.7	Retrait de la réserve générale d'exploitation pour la contribution financière de la Ville de Moncton à l'occasion du Championnat mondial junior 2023 de l'IIHF	392
12.8	Deposit to the General Capital Reserve Fund for City of Moncton's funding contribution received in 2022 towards Codiac Transpo's Bus Fleet Replacement program	12.8	Dépôt dans la réserve générale d'exploitation pour la contribution financière de la Ville de Moncton reçue en 2022 dans le cadre du programme de remplacement de la flotte de Codiac Transpo	394
12.9	Withdrawal from General Capital Reserve for City Hall Roof	12.9	Retrait de la réserve générale d'immobilisations pour le toit de l'hôtel de ville	396
12.10	Withdrawal from General Capital Reserve for Bore Park Slope Protection	12.10	Retrait de la réserve générale d'immobilisations pour la protection de la pente du parc du Mascaret	398
12.11	Withdrawal from General Capital Reserve for Police Study	12.11	Retrait de la réserve générale d'immobilisations pour l'étude sur les services de police	400
12.12	Withdrawal from General Capital Reserve for 2nd installment for the Rising Tide initiative	12.12	Retrait de la réserve générale d'immobilisations pour le deuxième volet de l'initiative Marée montante	402
12.13	Withdrawal from General Operating Reserve Fund for Urban Growth Strategy Study	12.13	Retrait de la réserve générale d'exploitation pour l'étude sur la Stratégie de croissance urbaine	404
13.	NOMINATIONS	13.	NOMINATIONS	
14.	ADJOURNMENT	14.	CLÔTURE DE LA SÉANCE	

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December 5, 2022 @ 4:00 p.m./5 décembre 2022 à 16 h

REGULAR PUBLIC MEETING/SÉANCE ORDINAIRE PUBLIQUE

1.
CALL TO ORDER/OUVERTURE DE LA SÉANCE

2.
ADOPTION OF AGENDA/ADOPTION DE L'ORDRE DU JOUR

3.
CONFLICT OF INTEREST DECLARATIONS/DÉCLARATIONS DE CONFLITS D'INTÉRÊTS

4.
ADOPTION OF MINUTES/ADOPTION DU PROCÈS-VERBAL

5.
CONSENT AGENDA/QUESTIONS SOUMISES À L'APPROBATION DU CONSEIL

6.
PUBLIC AND ADMINISTRATION PRESENTATIONS/EXPOSÉS DU PUBLIC ET DE L'ADMINISTRATION

6.1 PUBLIC PRESENTATIONS/EXPOSÉS DU PUBLIC
5 minutes

6.1.1 **Presentation** – Compassionate Care & Increasing Community Capacity for Grief Support – Frances LeBlanc, Executive Director of Hospice SENB

Présentation – Soins prodigués avec compassion et accroissement de la capacité communautaire pour le soutien au deuil – Frances LeBlanc, directrice générale, Hospice SENB

Other Presentation/Autres présentations
2 minutes

6.2 ADMINISTRATION PRESENTATIONS/EXPOSÉS DE L'ADMINISTRATION
15 minutes

6.2.1 **Update** – **RCMP** – Superintendent Benoit Jolette, interim Officer in Charge (OIC) of the Codiac Regional RCMP

Mise à jour – GRC – Benoit Jolette, inspecteur, surintendant remplaçant du Service régional de Codiac de la GRC

7.
PLANNING MATTERS/QUESTIONS D'URBANISME

7.1 **Introduction –** 1333 Main Street – Rezoning lands from R2U (Urban Dwelling Zone), R3 (Multiple Unit Dwelling) to CBD (Central Business District)

Introduction – 1333, rue Main – Rezonage de terrains des zones R2U (Zone d'habitations urbaines) et R3 (Zone d'habitations multifamiliales) à la zone CBD (Zone du quartier central des affaires)

7.2 **By-Law Relating to Buildings in the City of Moncton** – Z-422

Arrêté de construction de la Ville de Moncton – Z-422

7.3 **Tentative Subdivision Plan** – Magnetic Hill Estates Unit 10

Plan de lotissement provisoire – Magnetic Hill Estates – Unité 10

7.4 **Tentative Subdivision Plan** – Jonathan Park Unit 4 (item tabled - October 17, 2022 meeting)

Plan de lotissement provisoire – Parc Jonathan – Unité 4 (point reporté – séance du 17 octobre 2022)

8.
STATEMENTS BY MEMBERS OF COUNCIL/EXPOSÉS DES MEMBRES DU CONSEIL

9.
REPORTS AND RECOMMENDATIONS FROM COMMITTEES AND PRIVATE MEETINGS/RAPPORTS ET RECOMMANDATIONS DES COMITÉS ET RÉUNIONS À HUIS CLOS

9.1 **Recommendation(s)** – Committee of the Whole – November 28, 2022

Recommandation(s) – Comité plénier – 28 novembre 2022

10.
REPORTS FROM ADMINISTRATION/RAPPORTS DE L'ADMINISTRATION

10.1 **Public Hearing** – 2023 BIA Budget

Audience publique – Budget de la Zone d'amélioration des affaires du centre-ville 2023

10.2 **Recommendation to Award Quotation QP22-082** – Janitorial Services (Magnetic Hill Zoo)

Recommandation pour l'octroi du contrat lié à la proposition de prix QP22-082 – Services de concierge (Zoo de Magnetic Hill)

10.3 **Request for Proposal RFP22-042** – HVACR and Gas Heating Preventive Maintenance and Repair Services

Demande de propositions RFP22-042 – Services d'entretien préventif et de réparation des systèmes de CVCR et de chauffage au gaz

11.
READING OF BY-LAWS/LECTURE D'ARRÊTÉS MUNICIPAUX

11.1 **A By-law** in Amendment of a By-Law Relating to the approval of the Budget for Downtown Moncton Centre-ville Inc. and to Establish a Special Business Improvement Area Levy in the City of Moncton, being By-Law A-1002.21 – ***First Reading (Subject to approval of item 10.1)***

Arrêté portant modification de l'Arrêté concernant l'approbation du budget de Downtown Moncton Centre-ville Inc. et l'établissement d'une contribution spéciale pour la zone d'amélioration des affaires de la Ville de Moncton, soit l'arrêté A-1002.21 – ***Première lecture (sous réserve de l'approbation du point 10.1)***

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11.5 **A By-Law** in amendment of a By-Law relating to establishing a code of conduct for elected officials, being By-Law A-1218.1 – ***Second and third reading***

Arrêté portant modification de l'Arrêté concernant l'établissement d'un code de déontologie des représentants élus, soit l'arrêté A-1218.1 – ***Deuxième et troisième lectures***

11.6 **A By-Law** in amendment of By-Law respecting fees, rates and charges for services provided by the City of Moncton, being By-Law A-1318.7 **–** ***Second and third reading***

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12.

NOTICES MOTIONS AND RESOLUTIONS/AVIS DE MOTIONS ET RÉSOLUTIONS

12.1 **Withdrawal** from Utility Capital Reserve Fund for 2022 Meter Replacement Program Costs incurred

Retrait de la réserve générale des infrastructures des services publics pour financer les coûts du Programme de remplacement des compteurs d'eau 2022

12.2 **Withdrawal** from General Capital Reserve Fund for 2022 Deferred Facility Maintenance

Retrait de la réserve générale d'immobilisations pour financer les coûts reportés de l'entretien des installations de 2022

12.3 **Withdrawal** from General Capital Reserve Fund for Avenir Centre Major Maintenance and Rehabilitation Payment

Retrait de la réserve générale d'immobilisations pour financer les coûts de grands travaux d'entretien et de remise en état du Centre Avenir

12.4 **Deposit** to General Capital Reserve for Fleet Reserve from sale of fleet equipment

Dépôt, dans la réserve générale d'immobilisations pour la réserve de la flotte, du produit de la vente de biens d'équipement de la flotte

12.5 **Withdrawal** from General Capital Reserve Fund for 2022 City Fleet Replacement

Retrait de la réserve générale d'immobilisations pour financer le remplacement de véhicules de la flotte de la Ville en 2022

12.6 **Deposit** to General Operating Reserve Fund for various operational items being deferred (Electric Bus Feasibility Study, Recreation Master Plan Feasibility Study, Municipal Plan Consulting)

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12.7 **Withdrawal** from General Operating Reserve Fund for City of Moncton's contribution towards the 2023 IIHF World Junior Championship

Retrait de la réserve générale d'exploitation pour la contribution financière de la Ville de Moncton à l'occasion du Championnat mondial junior 2023 de l'IIHF

12.8 **Deposit** to the General Capital Reserve Fund for City of Moncton's funding contribution received in 2022 towards Codiac Transpo's Bus Fleet Replacement program

Dépôt dans la réserve générale d'exploitation pour la contribution financière de la Ville de Moncton reçue en 2022 dans le cadre du programme de remplacement de la flotte de Codiac Transpo

12.9 **Withdrawal** from General Capital Reserve for City Hall Roof

Retrait de la réserve générale d'immobilisations pour le toit de l'hôtel de ville

12.10 **Withdrawal** from General Capital Reserve for Bore Park Slope Protection

Retrait de la réserve générale d'immobilisations pour la protection de la pente du parc du Mascaret

12.11 **Withdrawal** from General Capital Reserve for Police Study

Retrait de la réserve générale d'immobilisations pour l'étude sur les services de police

12.12 **Withdrawal** from General Capital Reserve for 2nd installment for the Rising Tide initiative

Retrait de la réserve générale d'immobilisations pour le deuxième volet de l'initiative Marée montante

12.13 **Withdrawal** from General Operating Reserve Fund for Urban Growth Strategy Study

Retrait de la réserve générale d'exploitation pour l'étude sur la Stratégie de croissance urbaine

13.
APPOINTMENTS TO COMMITTEES/NOMINATIONS À DES COMITÉS

14.
ADJOURNMENT/CLÔTURE DE LA SÉANCE

CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Nick Robichaud, Legal and Legislative Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	Presentation: Compassionate Care & Increasing Community Capacity for grief support
Presenters / Présentateurs	Frances LeBlanc – Executive Director, Hospice NB

Item/Point	6.1.1
Time allocation/ Temps prévu	5 minutes
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

Ms. LeBlanc, Executive Director of Hospice NB would like present on their past success and future delivery of compassionate care and grief support.

BACKGROUND / CONTEXTE

The Hospice Southeast New Brunswick (SENB) has a long history of offering free community programming including in-home visits, grief and bereavement support groups and caregiver support groups. In addition, since 2021, they have been operating a 10-bed residential hospice, Maison Albert House, that has welcomed well over 140 residents and their families. As they are transitioning from the pandemic, they are observing the tremendous burden that the pandemic has had on individuals living with grief and caregivers. The increase in isolation, reduction of access to services, and the inability to celebrate end-of-life rituals (i.e., funerals) has further exacerbated the symptoms. Hospice SENB wants to help individuals navigate end of life issues with dignity and compassion, and to do so looking to broaden their programming and reach to better serve Monctonians.

RECOMMENDATION / RECOMMANDATION

No recommendations – for Council information only.

ALTERNATIVES / AUTRES OPTIONS

N/A.

RISK ANALYSIS/ANALYSE DE RISQUES

N/A

CONSIDERATIONS / ENJEUX

Legal / Juridiques

N/A

Policy / Politiques / Plans

By-Law A-418

Financial / Financiers

The City will provide Hospice South East NB with $35,340 in 2023.

Impact on Resources / Impact sur les ressources

N/A

Environment / Environnement

N/A

Strategic Plan / Plan stratégique

☐ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☒ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☐ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☐ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

N/A

Attachments / Annexes

PowerPoint

Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

N/A

Communication and Official Languages Implications / Communications et langues officielles

N/A

HOSPICE SOUTHEAST NEW BRUNSWICK

L'HOSPICE SUD-EST NOUVEAU-BRUNSWICK

DECEMBER 5TH, 2022

LE 5 DÉCEMBRE 2022

WWW.HOSPICESENB.CA

WHAT IS PALLIATIVE CARE?
QU'EST-CE QUE LES SOINS PALLIATIFS?

- Specialized care for people living with serious and life-limiting conditions.
- The goal is to improve quality of life for both patients and their family.
- Care is highly personalized to the needs of the patient.
- Appropriate at all ages, and any stage of the disease.

- *Soins spécialisés pour les gens avec une condition grave ou limitant l'espérance de vie.*
- *L'objectif est d'améliorer la qualité de vie pour le patient et de leur famille.*
- *Les soins sont personalisés en function des besoins du patient.*
- *Approprié à tous âges et stade de la maladie.*

ACCESS TO PALLIATIVE CARE IN SENB
ACCÉDER AUX SOINS PALLIATIFS AU S.-E. N.-B.

- Access:
  - Community
  - Hospital
  - Residential hospice
  - Long-term care
  - Others

- *Accès:*
  - *En communauté*
  - *Hôpitaux*
  - *Hospice résidentiel*
  - *Soins de longue durée*
  - *Autres*

HOSPICE SOUTHEAST NEW BRUNSWICK
L'HOSPICE SUD-EST NOUVEAU-BRUNSWICK

- Registered charity established in 2004 to promote awareness life-limiting illnesses and end-of-life issues.
- Community programs
- Long-standing goal to open and operate residential hospice
- Maison Albert House opened in 2021

- *Organisme de bienfaisance créé en 2004 pour assurer la sensibilisation aux maladies limitant l'espérance de vie.*
- *Programmation communautaire*
- *But depuis longtemps d'ouvrir un hospice résidentiel*
- *L'ouverture de la Maison Albert House en 2021*

OUR SERVICES
NOS SERVICES

- Residential hopisce
  - Admission through EMP
  - LPNs/PSWs/RNs
- Community programs
  - In-home/in-residence visits
  - Grief and bereavement support groups
  - Caregiver support groups
  - Death cafe
  - More
- End-of-life Wishes program

- *Hospice résidentiel*
  - *Admission par le PME*
  - *IAA/préposés/IAs*
- *Programmation communautaire*
  - *Visites à domicile et résidentielles*
  - *Groupes de soutien pour le deuil*
  - *Groupes de soutien pour les proches soignants*
  - *Café sur la mort*
  - *Bien encore*
- *Programme de souhaits de fin de vie*

MAISON ALBERT HOUSE

- 10-bed residential hospice
- 4 family rooms
- Integrated with Extra-Mural Program that does the coordination of care
- Serving Albert, Kent and Westmorland counties
- Care is confidential, personalized and largely free of charge
- Visits available 24hours/7days a week
- Pet friendly

- *Hospice résidentiel de dix lits*
- *Quatre chambres pour les familles*
- *Intégration avec le Programme de l'Extra-Mural qui assure la coordination des soins*
- *Au service des comtés d'Albert, de Kent et de Westmorland*
- *Les soins sont confidentiels, personalisés et généralement gratuits*
- *Ouvert aux visiteurs 24 heures sur 24, 7 jours semaine*
- *Les animaux domestiques sont invités*

OPERATIONS
LES OPÉRATIONS

- GNB contributions
- Boutique Hospice Shoppe
- 50/50 lottery
- Community member donations
- Volunteers
  - In-home and residential visits
  - Boutique Hospice Shoppe
  - Kitchen
  - Greeters
  - Special events
  - Leadership
  - More

- *Contributions gouvernementales*
- *Boutique Hospice Shoppe*
- *Loterie 50/50*
- *Dons de membres de nos communautés*
- *Bénévoles*
  - *Visites à domicile et à la résidence*
  - *Boutique Hospice Shoppe*
  - *Cuisine*
  - *À l'accueil*
  - *Événements spéciaux*
  - *Leadership*
  - *Bien encore*

COMMUNITY NEEDS
BESOINS DE NOTRE COMMUNAUTÉ

- Impacts of the pandemic:
  - Isolation
  - Rituals of grief
  - Mental health and wellbeing
- Peer-to-peer support
  - Meeting people where they are
- Talking about end-of-life
- Pre-planning

- *Impacts de la pandémie:*
  - *Isolement*
  - *Rituels de deuil*
  - *Santé mentale et le bien-être*
- *Support entres pairs*
  - *Rejoindre les gens là ou ils sont*
- *Discutons de fin de vie*
- *Planification*

WHAT IS NEXT?
QU'EST-CE QUI NOUS ATTEND?

CONTACT INFORMATION
INFORMATION CONTACTE

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Executive Director/directrice générale

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CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Elaine Aucoin, Sustainable Growth and Development Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	1333 Main Street Rezoning lands from R2U (Urban Dwelling Zone), R3 (Multiple Unit Dwelling) to CBD (Central Business District)
Presenters / Présentateurs	Bill Budd, Director of Planning and Development

Item/Point	7.1
Time allocation/ Temps prévu	15 minutes
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

Administration has received an application from Chad Blakney, agent, on behalf of 717035 NB Inc, landowner, to rezone lands from R2U (Urban Dwelling Zone), R3 (Multiple Unit Dwelling), and CBD (Central Business District) to CBD (Central Business District).

The rezoning will accommodate the construction of a 10-storey mixed-use building at the north-western corner of Vaughan Harvey Boulevard and Main Street. The building will have commercial on the main floor, two levels of underground parking (approximately 166 underground parking stalls), and a total of approximately 151 residential units.

BACKGROUND / CONTEXTE

The applicant is proposing to consolidate land and redevelop the subject lots to create a mixed-use development at this very prominent intersection in the downtown.

The development is proposed to include six PIDs through a land assembly process that has taken several years to accomplish. The most prominent component of the land assembly process was the acquisition of PID 70684642 which was formerly owned by the City of Moncton. The applicants submitted a proposal for a major development that included the City land and were subsequently awarded the option to purchase it in order to develop it.

The majority of the subject land is already zoned CBD (Central Business District), but there are three smaller PIDs that are currently zoned R2U (Urban Residential) and one that is zoned R3 (Multiple Unit Dwelling) that are required to be rezoned to CBD to accommodate the development.

A Traffic Impact Study as well as a shadow study were submitted by the applicants to support the application.

<u>The land</u>
The six lots are currently vacant, with several billboards located close to the intersection. The northern tip of the land is treed and vegetated.

In 2016 there was an active gas station facing Main Street with a full open driveway off Main Street as well as Atlantic Avenue. The gas station was demolished between November, 2021 and February, 2022.

There were duplexes and semi-detached homes on PIDs 00693622, 00693614, 00693606, 00882894, all of which have been demolished.

Atlantic Avenue is currently a full access public street which was blocked by the City at the Main Street entrance in the early to mid 1980's with the construction of a parkette.

As part of this development Atlantic Avenue is proposed to be opened for a right-in and right-out access only. The existing parkette at the foot of Atlantic Avenue has been integrated into the proposed site design and re-located to the northern side of the subject lot abutting Vaughan Harvey Boulevard.

There is a five metre wide PUE (public utility easement) along both Main Street and Vaughan Harvey Boulevard.

An environmental review was undertaken on the subject land and impacted soils were found on a portion of the subject site. An environmental review was undertaken on the land and impacted soils were found. The landowners have remediated the old gas station site and are currently working on remediation for the remainder of the site.

Context
When looking at the larger context, the subject lots sit at a very busy intersection that acts as the western gateway for the downtown.

The land is bounded on the east by Vaughan Harvey Boulevard, an arterial with four lanes and sidewalks on both sides.

To the south is Main Street, an arterial at this location with four lanes and sidewalks on both sides.

To the east, north-east, and south the land is built out with a mixture of retail, commercial services, offices, and high density residential, all zoned CBD (Central Business District).

To the west and north-west the land is a mixture of commercial / restaurant and low to medium density residential uses, zoned SC (Suburban Commercial), R2U (Urban Dwelling), and R3 (Multiple Unit Dwelling).

There are several bus routes that travel in all directions by the subject lots.

The sidewalks in this section of both Vaughan Harvey Boulevard and Main Street are both included as priority one for snow clearing. Atlantic Avenue is a priority two for snow clearing.

The proposal
The proposed building will be 10 stories in height and L-shaped. The building is set close to the intersection of Vaughan Harvey Boulevard and Main Street to take advantage of the pedestrian activity in this location.

The main floor will accommodate approximately 1,326 m² (14,275 ft²) of a mix of commercial and or restaurant / café space facing Main Street, with several public entrances and large windows onto the pedestrian realm.

The main floor along Vaughan Harvey Boulevard is proposed to be for residential common space including amenities such as a gym, social room, and potentially some flex office spaces. The façade on the west side will include several entrances and windows along the full length of the building.

The upper nine residential floors will include a mix of one, two, and three bedroom units for a total of approximately 151 residential units.

The proposal also includes two levels of underground parking with 166 underground stalls. Additionally, the site plan accommodates a small surface parking lot on the west side at the rear of the building with approximately 39 stalls for visitors and patrons of the commercial uses for a total of approximately 205 parking stalls.

The facades of the building will include a mix of materials including metal panels, stone veneer, and a large amount of glass. There is a small step-back in the façade between the first floor and the upper nine residential floors.

Vehicular access into the site will be from two driveways off Atlantic Avenue.

An opaque privacy fence will be constructed along the northern property line where the site abuts the existing duplex. Trees will be planted within the landscaped area along the fence.

There is an existing stand of trees in the north-eastern portion of the site. The plan is to keep as many of these as possible and turn this area into a treed parkette with benches and landscaping to replace the one that will be removed from the foot of Atlantic Avenue.

The development will incorporate affordable housing units with energy efficient measures to be eligible for the CMHC MLI select program. For this program the target is at least 10% of units will be affordable housing units and an energy efficiency target of at least 25% energy and Green House Gas reduction over standard building code.

The landowners also intend to add some EV chargers to the development and will encourage as many residents as possible to drive electric vehicles. They will be installing two public charging stations and at least 20% of the residential parking will have EV chargers or be EV ready for chargers (these can be added as demand requires).

Land Disposition

On January 15t 2022, the City of Moncton released a request for proposals to solicit property development proposals for the City-owed land at the corner of Vaughan Harvey Boulevard and Main Street.

The city land was quite large and given its prime location and development potential, it was agreed that the highest and best use of land at this busy downtown intersection would be a mixed-use development rather than the current billboards.

The request for proposals (RFP) closed on March 31, 2022.

Submissions went through the appropriate review and approval process and the owners of the subject development proposal were awarded the opportunity to purchase the city land based on their proposed development.

It was clarified in the RFP that a rezoning may be required. That process is being addressed with this application.

DISCUSSION / ANALYSIS

The subject development is located in one of the busiest intersections in the city. On two sides it represents the western gateway to the downtown core, while on two other sides it faces a mixed-density urban residential neighbourhood on the very edge of the downtown.

This intersection has been steadily revitalizing over the last several years, due mostly to the Junction development to the south. For an area that was once an industrial / rail yard, a lot of investment was made to create a vibrant and walkable mixed-use corner at this edge of the downtown.

With the relatively new Tide and Boar fill station and restaurant next door, this north side of the

intersection is prime for redevelopment to contribute to and compliment the lively and dynamic development to the south.

The building location and design has been oriented to take advantage of the busy pedestrian sidewalk on the south while providing a large setback from the northern and western sides closest to the existing residential neighbourhood.

The parking lot screening trees along Atlantic Avenue and the proposed trees and privacy fence along the north side will help to soften the development and provide a more residential feel at street level in this area.

A shadow study was submitted with the application to illustrate the impact of this development on the surrounding properties. It is attached for reference.

The images show that although there will be shading of some surrounding residential properties at 9:00am in all seasons, the building is set back far enough to have very little impact throughout the remainder of the days in all seasons.

It is important to emphasize that this is a downtown corner where height and density is desirable, close to public transit, employment areas, and amenities.

Several policies in the Municipal Plan speak to allowing a mix of uses in the downtown to enable residents to live, work, and play within walking distance.

Policies speak to encouraging high quality building design, including creative articulation and variety on the façade to avoid a monotonous “superblock” effect.

Policies also speak to encouraging new residential development while also supporting existing residential neighbourhoods.

The subject development meets all of these policies.

And lastly policy D-22 notes that, in the interest of maintaining flexibility in the management of the changing face of the downtown environment, rezoning can be considered to any zone permitted within the Downtown Designation provided that the land for which the rezoning is being requested is adjacent to and/or abutting land that already has the requested zone.

In this case, four of the six properties are zoned for residential uses only. However, given their location abutting the other two much larger properties that are already zoned CBD, this policy would apply to help justify the rezoning application.

As the city grows and modernizes, this intersection will be a prized area for living, working, and playing. The proposed building is modern, attractive, and is planned to provide many progressive components related to energy efficiency and affordability. At its core, it provides a vibrant streetscape with commercial and / or restaurant space along two major downtown city streets. It accommodates two levels of underground parking, and over 150 residential units.

With a large grocery store nearby, the Avenir Centre, restaurants, services, offices, as well as the waterfront, this proposed mixed-use, high-density development is high-quality, urban, and is exactly what should be in a city’s downtown.

As with most architecturally designed infill developments a few variances are required. However, it is important to emphasize that the goal of designing a development that reflects an urban aesthetic that will contribute to safe, attractive, and vibrant streetscapes has been met.

The following variances are required:

1. <u>To increase the front yard setback on Main Street from 2 metres to 5 metres</u>
   Although the goal of downtown development is to locate buildings close to the sidewalk for a more interactive pedestrian experience, in this case there is a five metre wide NB Power easement that runs along both the Main Street and the Vaughan Harvey sides of the property.

   Buildings are not permitted within these easements. For this reason staff support the variance.

2. To reduce the special setback on Vaughan Harvey from 6 metres to 5 metres in some areas
   In this case there is a special setback of 6 metres along Vaughan Harvey Boulevard. However, given the desire to have the building located as close as possible to the sidewalk to encourage a more pedestrian-friendly streetscape in this location, the building is proposed at 5 metres to be consistent with the NB Power easement. Given that is the closest the building can go, staff support this variance.

3. To increase the setback of a portion of the building on the west side as per plans
   This setback is required to accommodate the 39 surface parking stalls that will be used by visitors and patrons of the commercial uses facing Main Street.

   Infill developments, especially when they face three public streets, often face challenges to accommodate everything that is needed on the site and still meet all the rules.

   The subject small parking area is not a prominent feature of the development and does not negatively affect the surrounding area as it provides a more respectful built form to the surrounding residential uses on that side with the trees and landscaping screening.

   For this reason staff support the variance.

4. To reduce the step back of the building from 10 metres to 1.5 metres;
   The Zoning By-law requires downtown buildings to step back the facades in order to provide a visual and physical break between the pedestrian realm at eye-level and the upper floors of a building. In this case the building has a small step-back just above the first floor along all facades. While not the full 10 metres, the intent to step the building back to create a pedestrian realm that doesn't overpower the streetscape has been met.

   Given the overall modern and urban look of the building without the full 10-metre step-back, staff are comfortable with this variance request.

5. To not provide commercial entrances on the west façade
   In the downtown, public entrances are required along all public streets. In this case, the proposed design achieves a strong pedestrian streetscape with various entrances along both the Main Street and the Vaughan Harvey Boulevard facades.

   However, on the side facing Atlantic Avenue one public entrance is required for the commercial section of the building. The designers specifically did not put an entrance on Atlantic Avenue to avoid having commercial activity on this residential street. For this reason staff support this variance.

6. To increase the spans between jogs and recesses on the ground floor facades
   In this case, all sides of the building provide a sufficient amount of articulation along the facades. In some areas the spans between jogs and recesses are wide, in some areas they are smaller. Ultimately the design of the building is modern attractive, providing an active streetscape on two major streets. Staff are comfortable with this variance and support it.

This proposed development is a perfect example of a thoughtful, urban infill development that recognizes the pedestrian scale streetscape while still providing for a sophisticated, big city development. Staff support the variances.

Development Review
This proposed development was circulated to the following departments and administrative team members and went through a detailed development review process prior to finalizing the proposed plans:

- Engineering
- Water and Wastewater
- Building Inspection
- Public Works
- Subdivision Approvals
- Legal Services

- Parks
- Codiac Transpo
- Development Services
- Economic Development
- Information Services

Please note that prior to receiving a Building and Development Permit all plans will be subject to meeting Building Inspection and Engineering requirements.

Traffic

1333 Main Street Development Traffic Impact Study - Final Report dated November 2022 was reviewed by the City's Transportation Engineer who is in agreement with the findings.

The proposed development is expected to generate 85 new vehicle trips in the AM peak hour and 122 new vehicle trips in the PM peak hour.

The existing analysis indicates that the adjacent study area intersections operate at acceptable levels of service. The future 2030 background analysis without the development indicates that some movements on the Vaughan Harvey at the Main Street intersection will have lengthy delays and exceed capacity. These conditions will continue with the future total 2030 traffic with the development. These levels of congestion are to be expected at a major intersection approaching the downtown area. Improvements are not recommended as the intersection is already fairly built out.

The proposed right-in / right-out access from Atlantic Avenue to Main Street is expected to operate well with very minimal delays and queues on Main Street. An extension of the median on Main Street is required to ensure that this new street access only allows right-turn movements. The preliminary design plans provided indicate that the median can be accommodated within the existing right-of-way and probably within the existing pavement width on Main Street.

The Main Street / Enterprise Street intersection is expected to operate with some delays for movements turning from Enterprise Street onto Main Street but these average delays are expected to be less than 35 seconds per vehicle which is not excessive for turning onto a major street.

The study also reviewed the anticipated increase in traffic on the adjacent residential streets, including Enterprise Street and Burlington Avenue. While traffic on these streets may double, the future traffic volumes are expected to be approximately 350 - 750 vehicles per day which is well within the range for a residential minor local street.

Safety analysis was completed which indicated that although the Vaughan Harvey Boulevard / Main Street has a history of collisions, there is no specific pattern of collision which would result in any recommended improvements.

Transportation Demand Management (TDM), measures to reduce single-occupancy-vehicle trips to and from the site, was also reviewed. The proposed development scored 66 points on the TDM checklist which indicates it is a TDM-Supportive, Emissions Reducing Development.

Active Transportation was also reviewed indicating that the development is well connected to the sidewalk network. The Active Transportation Plan identified physically separated cycling facilities as a short-term improvement on Vaughan Harvey Boulevard and a long-term improvement on Main Street.

Site circulation and parking were also reviewed. A loading zone is proposed on Atlantic Avenue. Loading zones are typically provided on-site except for certain downtown locations and the proposed development has the character of a high-density downtown development at which an on-street loading area would typically be allowed.

In this particular case, off-site loading is proposed due to limited space on the site, unsafe tractor trailer movements, and the distances from entrances. It is recommended that the loading bay area would be dedicated to loading for only certain times of the day (i.e. morning) and be available for on-street parking the rest of the time

It is expected that parking will be restricted on the west side of Atlantic Avenue for the extension to Main Street as this same parking restriction is in effect further north on the street.

MUNICIPAL PLAN POLICIES

The properties are designated NH (Neighbourhood) and DT (Downtown) on Schedule 1, the City of Moncton Future Land Use Map.

Consideration was given to the following applicable Municipal Plan Principles, Objectives and Policies

Principles
Principle 4: We will create a vibrant downtown
Downtown is the heart of our community. We will continue to work hard to make our downtown a beautiful, vibrant, walkable and unique city centre where citizens can live, work, shop, study and play 24/7, in four seasons.

We will continue to revitalize our public waterfront and reconnect it to our city with walkable tree-lined streets and boulevards, and trails. We agree with the principles and goals of the Downtown Moncton Development Vision Plan, and with minor modifications, are now focused on implementing the recommendations of this Plan. We will work in partnership as a community to make the dream of the Downtown Plan a reality.

Objectives
1. Support the vision and guiding principles and the implementation of the Downtown Development Vision.
2. Increase the residential population downtown. .
4. Encourage the development of a unique and vibrant mixture of commercial, civic and cultural uses, particularly at ground level throughout the downtown.
6. Create unique, pedestrian friendly and multimodal streetscapes and corridors in the downtown.

Policies
D-3 Within the Downtown Designation, Council shall pursue the continued development of Downtown Moncton as a high-quality urban environment by:

a) allowing a fine-grained mix of residential, commercial, office, institutional, cultural, entertainment and recreational uses within the Downtown designation to develop in such a way as to allow and encourage people of all ages to live, work, shop and play within walking distance;
b) allowing a high density of building and land use while recognizing that, in order to remain a livable human environment, this high density shall be accompanied by correspondingly high quality urban design;
c) encouraging the development of a built environment that accommodates automobiles while giving priority to pedestrians, cyclists and transit users;
d) recognizing and promoting Downtown as the primary and preferred location for office, civic and cultural uses, except as otherwise provided for by this Plan;
e) recognizing and promoting Downtown as the primary and preferred location for inter-city passenger termini, including bus and train stations;
f) encouraging student and university presence downtown through a variety of means including the establishment of higher-education facilities (e.g. new university or college, or as a branch of an existing institution) and student housing facilities;
g) encouraging the continued development of a strong and relatively stable residential component with a mix of building types, tenures and price points within the Downtown designation;
h) discouraging the development or expansion, within the Downtown designation, of industrial uses and building designs more appropriate to suburban-commercial and highway-commercial areas, including primarily automobile-oriented businesses such as drive-thrus, service stations and motor vehicle sales lots;
i) discouraging surface parking and adopting other strategies, including a short term parking strategy to address parking needs downtown;
j) promoting the long-term economic value of Downtown by encouraging high-quality building design and construction, and by discouraging the construction of buildings with short design lives;
k) fostering a pedestrian, cyclist and transit friendly environment through street

connectivity, site planning, building design, streetscape improvements, interfaces between public and private land and buildings, and a mix of land uses;
l) treating streets, streetscapes and sidewalks as an integral part of the network of public open space, to be used and experienced in their own right;
m) encouraging the continued improvement of the urban tree canopy on both private and public land;
n) when considering any development outside of the Downtown designation, having regard to the effect that such development will have on the City's goals for Downtown; and
o) undertaking such other initiatives as would promote the continued development of Downtown Moncton as a high quality urban environment.

Design Standards
D-9 Within the Downtown Designation, in order to facilitate the development of a high quality urban environment, zoning and subdivision by-laws shall:
a) not establish a minimum lot size;
b) establish a small minimum frontage requirement;
c) establish a maximum setback and require adequate landscaping in any setback area;
d) establish a minimum and, where applicable, a maximum building height;
e) encourage the development of structures in which first floors are designed to be useable for small scale retail and encourage office uses to occupy upper floors as opposed to the first floor; f) ensure quality building design;
g) reinforce the street orientation of buildings and prevent overbuilding of individual lots by establishing a minimum rear yard requirement;
h) discourage parking, loading and garbage storage areas between the facades of any building and the street line;
i) discourage the use of land for outdoor storage or display;
j) encourage the use of traditional façade materials in new and existing structures;
k) establish a minimum requirement for windows at street level and direct door access to the street;
l) where buildings with wide street frontages are proposed, encourage sufficient articulation and variety in the facade to avoid a monotonous "superblock" effect;
m) discourage the extensive use of lands for at-grade parking and establish minimum development standards for those parking areas that are permitted;
n) establish measures to ensure the maintenance of sunlight on Main Street's north side sidewalks;
o) encourage retention of historic building facades along streets;
p) implement pedestrian, bicycle and transit-oriented improvements and encourage the use of active transportation downtown;
q) recognize that it is building form and design quality that is critical to the Downtown environment, and that an appropriate use in an inappropriate form runs counter to the general intent of this Plan; and
r) undertake such other initiatives as would promote the continued development of Downtown Moncton as a densely developed, vibrant, high-quality urban environment.

Residential Uses
D-14 Council shall encourage the continued development of a strong and stable residential component within the Downtown designation by:
a) supporting existing residential neighbourhoods and encouraging the development of new mixed use communities within Downtown;
b) encouraging the development of a mix of residential building types, tenures and price points;
c) supporting the adaptive re-use of nonresidential buildings for residential purposes;
d) ensuring that non-residential uses are developed in a manner that is compatible with an attractive, high-density urban residential environment, particularly where such non-residential uses abut large, primarily residential areas outside the boundaries of the Downtown Designation;
e) setting goals for increasing the residential population Downtown and monitoring progress towards these goals; and
f) undertaking such other initiatives as would encourage the continued development of a strong and stable residential component Downtown.

Central Business District (CBD) Zone
D-16 Council will establish a Central Business District Zone, in support of continued development of the Central Business District as the primary location for private and public

sector office use, service and financial uses, supportive street oriented retail, restaurant and entertainment uses, tourist activities,
and civic uses and events as well as high density residential uses.

Flexibility in Downtown Zoning
D-22 Council will, in the interest of maintaining flexibility in the management of the changing face of the Downtown environment, consider rezoning to any other zone permitted within the Downtown Designation provided that:

a) the land for which the rezoning is being requested is adjacent to and/or abutting land that already has the requested zone;
b) due regard is given for the effect of the proposed development upon any designated heritage property; and
c) that no other policy in this Plan specifically precludes such consideration.

Conclusions

The subject proposed development will have a very positive impact on the streetscape and the downtown in general. It injects higher density residential close to amenities, close to employment areas, and close to public transit. It will bring vibrancy and activity to an area that is in the process of being revitalized.

It also successfully walks the line between accommodating much needed higher density residential while still respecting the existing residential on the north and west sides.

With a focus on pedestrian connectivity and providing a strong face to the public realm, the application meets many Municipal Plan policies, from increasing the residential population downtown and reducing surface parking needs by providing underground parking to providing high-quality building design and construction that contributes to a vibrant and active pedestrian oriented streetscape.

This proposed development will successfully infill these currently empty downtown lots with a mixed-use development that reflects an urban aesthetic that will contribute to safe, attractive, and vibrant streetscapes.

Administration recommends that Council proceed with the rezoning process. The necessary amending by-law, being Zoning By-law Z-222.10 and Schedule A-10 are attached for Council's consideration

RECOMMENDATION / RECOMMANDATION

That Moncton City Council proceed with the Zoning By-law amendment being By-law Z-222.10 and:

1. That Council give 1st reading to Zoning By-law amendment By-law Z-222.10;
2. That a public hearing be set for January 16, 2023; and
3. That By-law Z-222.10 be referred to the Planning Advisory Committee for its written views and approval of the conditional use; and

The rezoning, if approved, should be subject to a resolution with conditions including but not limited to:

1. That the properties (PIDs 00693614, 00693606, 00882894, 00696963, 70684642, and 00693622) be consolidated prior to the issuance of a Building and Development permit;
2. As the proposed rezoning meets the intent of policy D-22 of the Municipal Plan, amending the designation on PIDs 00693614, 00693606, 00882894, and 00693622 will not be required;
3. That any impacted soil and/or groundwater must be managed in accordance with New Brunswick's Department of Environment and Local Government's Guidelines for the Management of Contaminated sites;
4. That the fence on the north side be opaque and made of wood, PVC, or another similar quality material, but shall not be chain link;
5. That the fence be installed as soon as possible, weather permitting, but no later than six months after the completion of the building construction;
6. That trees and shrubs be planted along the parking lot frontage as per section 45(2) of

the Zoning By-law;
7. That despite section table 16.3 of Zoning By-law Z-222, the front yard setback on Main Street is permitted to increase from 2 metres to 5 metres;
8. That despite section 108(1)(b) of Zoning By-law Z-222 the special setback on Vaughan Harvey is permitted to be reduced from 6 metres to 5 metres in some areas;
9. That despite table 16.3 of Zoning By-law Z-222 the setback of a portion of the building on the west side is permitted to increase as per plans;
10. That despite section 123(1) of Zoning By-law Z-222 the façade stepback is permitted to be reduced as per plans;
11. That despite section 117(c) of Zoning By-law Z-222 a commercial entrance on the west façade is not required;
12. That despite section 117(d) of Zoning By-law Z-222 the spans between jogs and recesses on the ground floor facades are permitted to be increased as per plans;
13. That all uses of land pursuant to this agreement shall conform with the provisions of the City of Moncton Zoning By-law, as amended from time to time, except as otherwise provided herein;
14. That nothing contained herein shall prohibit or in any way limit the Developer's right to apply for a variance pursuant to the provisions of the Community Planning Act; and,
15. The development shall be carried out in substantial conformance with the plans and drawings submitted as Schedule B.

ALTERNATIVES / AUTRES OPTIONS

- That the amendment application for PIDs 00693614, 00693606, 00882894, 00696963, 70684642, and 00693622 at the intersection of Main Street and Vaughan Harvey Boulevard be postponed for additional information

- That the amendment application for PIDs 00693614, 00693606, 00882894, 00696963, 70684642, and 00693622 at the intersection of Main Street and Vaughan Harvey Boulevard not be supported.

RISK ANALYSIS/ANALYSE DE RISQUES
N/A

CONSIDERATIONS / ENJEUX

Legal / Juridiques

In accordance with subsection 111(1)(a) of the *Community Planning Act*, a Public Hearing is required. The rezoning, if approved, should be subject to a resolution, including but not limited to the conditions cited in the above recommendation.

Policy / Politiques / Plans

As outlined above in Background – Municipal Plan

Financial / Financiers

N/A

Impact on Resources / Impact sur les ressources

N/A

Environment / Environnement

N/A

Strategic Plan / Plan stratégique

☐ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☒ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☐ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

The proposed development helps to meet several objectives and policies of Plan Moncton Municipal Plan, which is a Strategic Planning document that is included as a support for the pillars of the Strategic Plan.

Attachments / Annexes

1. Maps
2. Plans
3. Zoning By-law amendment Z-222.10 & Schedule A-10
4. Power Point Presentation

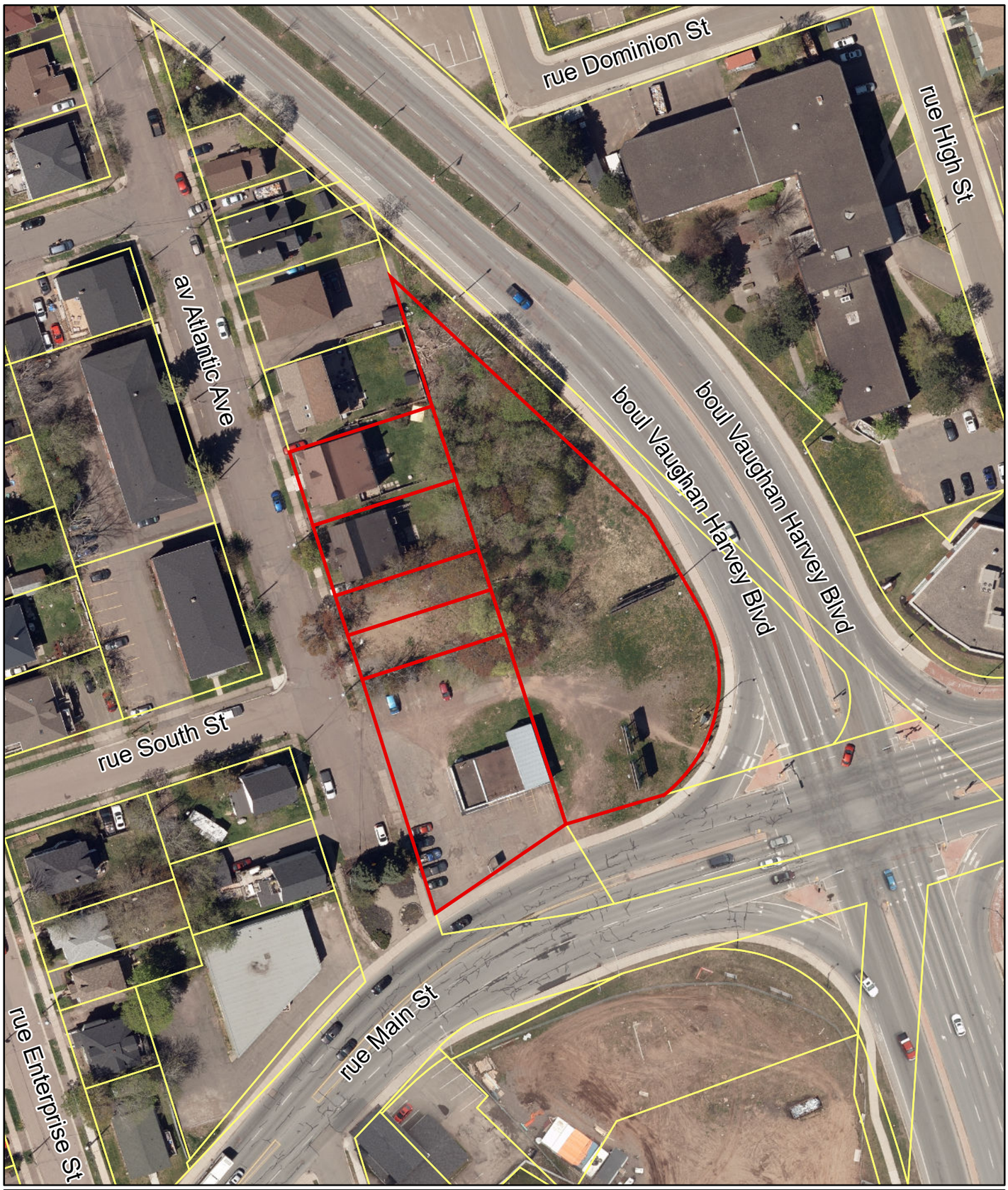
Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

- Engineering
- Water and Wastewater
- Building Inspection
- Public Works
- Subdivision Approvals
- Legal Services
- Parks
- Codiac Transpo
- Development Services
- Economic Development
- Information Services

Communication and Official Languages Implications / Communications et langues officielles

A public hearing is being scheduled for January 16, 2023. First notice of the public hearing will be posted on the City's website December 7, 2022. Notice of the public hearing will be sent by mail to owners of properties within 100 metres of the subject site on December 7, 2022. A physical sign will be placed on the property on December 7, 2022. Notice will be published in both newspapers (Times & Transcript and Acadie Nouvelle) on December 10, 2022.

Aerial location map
Carte de localisation avec photo aérienne

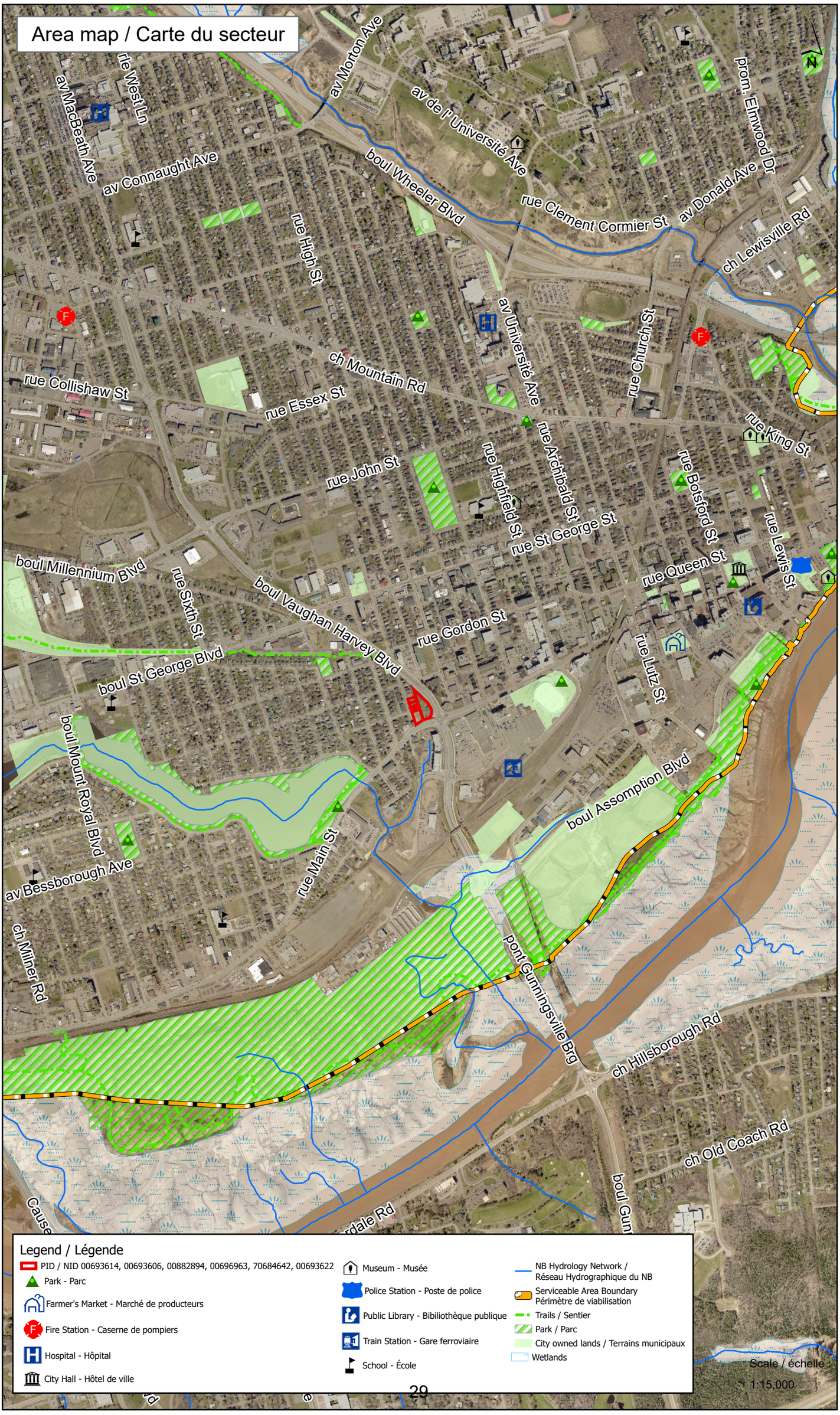


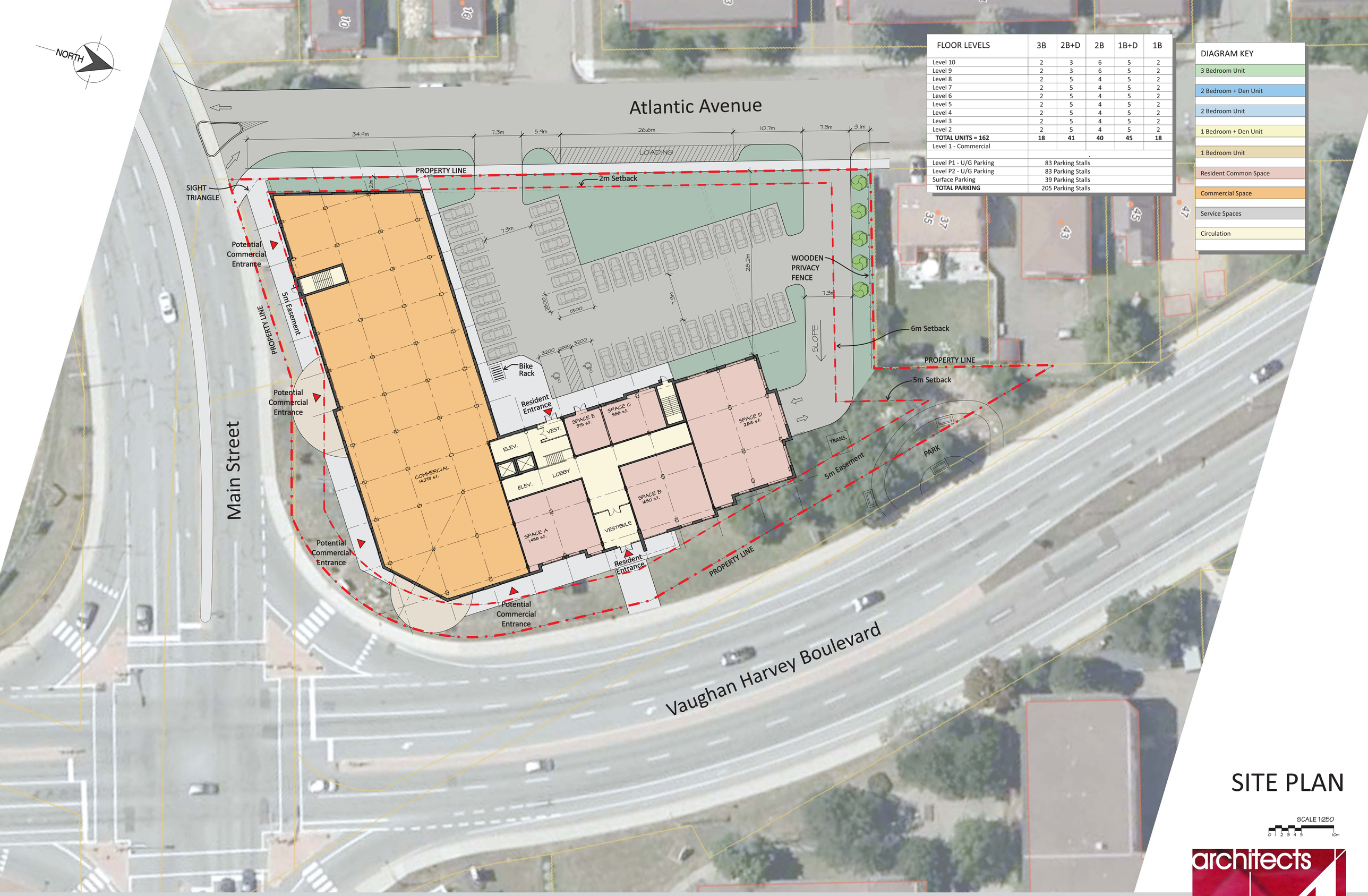
Legend / Légende

PID / NID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622

Parcel / Parcelle

Scale / échelle 1:1,000


Area map / Carte du secteur
av Morton Ave
av de l' Université Ave
prom. Elmwood Dr
rle West Ln
av MacBeath Ave
av Connaught Ave
boul Wheeler Blvd
rue Clement Cormier St
av Donald Ave
ch Lewisville Rd
rue High St
av Université Ave
rue Church St
ch Mountain Rd
rue Collishaw St
rue Essex St
rue King St
rue John St
rue Highfield St
rue Archibald St
rue St George St
rue Botsford St
rue Lewis St
boul Millennium Blvd
rue Sixth St
boul Vaughan Harvey Blvd
rue Queen St
rue Gordon St
rue Lutz St
boul St George Blvd
boul Mount Royal Blvd
boul Assomption Blvd
av Bessborough Ave
rue Main St
ch Milner Rd
pont Gunningsville Brg
ch Hillsborough Rd
ch Old Coach Rd
Legend / Légende
PID / NID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622
Park - Parc
Farmer's Market - Marché de producteurs
Fire Station - Caserne de pompiers
Hospital - Hôpital
City Hall - Hôtel de ville
Museum - Musée
Police Station - Poste de police
Public Library - Bibliothèque publique
Train Station - Gare ferroviaire
School - École
NB Hydrology Network / Réseau Hydrographique du NB
Serviceable Area Boundary Périmètre de viabilisation
Trails / Sentier
Park / Parc
City owned lands / Terrains municipaux
Wetlands
Scale / échelle :
1:15,000



FLOOR LEVELS	3B	2B+D	2B	1B+D	1B
Level 10	2	3	6	5	2
Level 9	2	3	6	5	2
Level 8	2	5	4	5	2
Level 7	2	5	4	5	2
Level 6	2	5	4	5	2
Level 5	2	5	4	5	2
Level 4	2	5	4	5	2
Level 3	2	5	4	5	2
Level 2	2	5	4	5	2
TOTAL UNITS = 162	**18**	**41**	**40**	**45**	**18**
Level 1 - Commercial					
Level P1 - U/G Parking	83 Parking Stalls				
Level P2 - U/G Parking	83 Parking Stalls				
Surface Parking	39 Parking Stalls				
TOTAL PARKING	205 Parking Stalls				

DIAGRAM KEY

- 3 Bedroom Unit
- 2 Bedroom + Den Unit
- 2 Bedroom Unit
- 1 Bedroom + Den Unit
- 1 Bedroom Unit
- Resident Common Space
- Commercial Space
- Service Spaces
- Circulation

SITE PLAN

SCALE 1:250
0 1 2 3 4 5 10m

1333 Main Street Development

Our ref.: A2204
November 18, 2022

View from intersection of Main St. & Vaughan Harvey Blvd.

1333 Main Street Development

Our ref.: A2204
November 18, 2022

View from Main Street

1333 Main Street Development

Our ref.: A2204
November 18, 2022

View from Atlantic Avenue

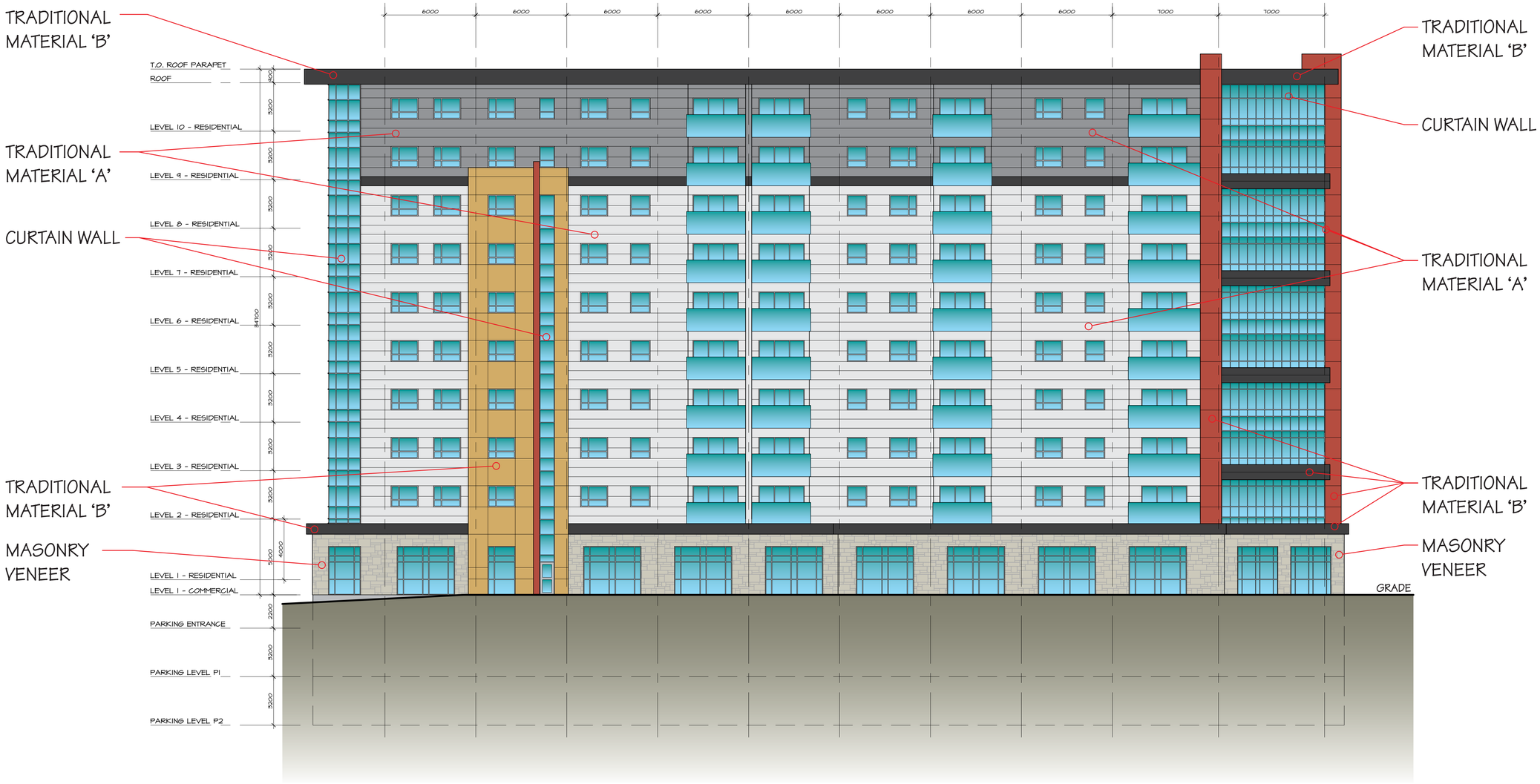
1333 Main Street Development

Our ref.: A2204
November 18, 2022

View from Vaughan Harvey Boulevard

1333 Main Street Development

Our ref.: A2204
November 18, 2022



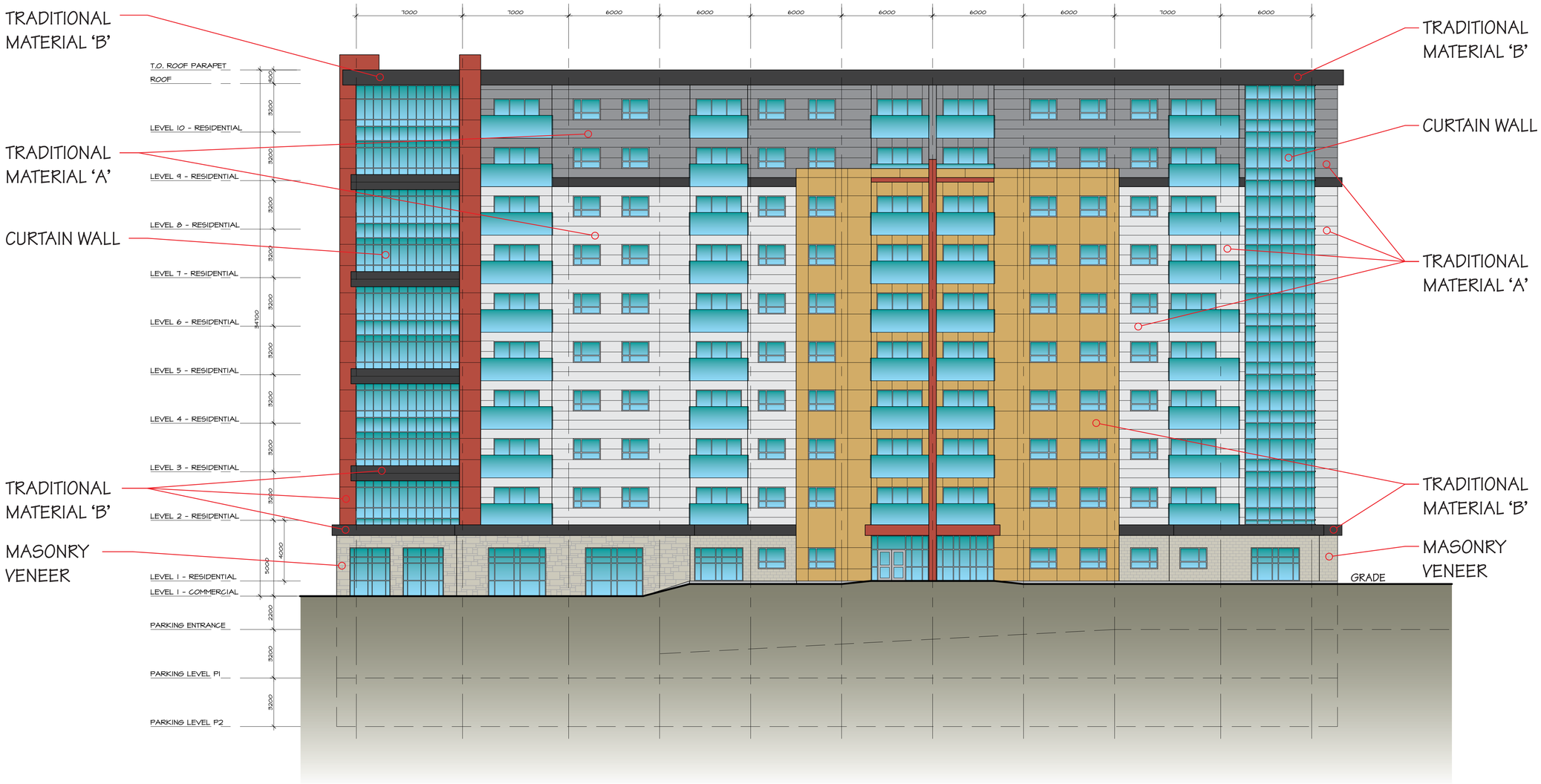
ELEVATION
Main Street

SCALE 1:150
0 1 2 3 4 5 10m

architects 4

1333 Main Street Development

Our ref.: A2204
November 18, 2022



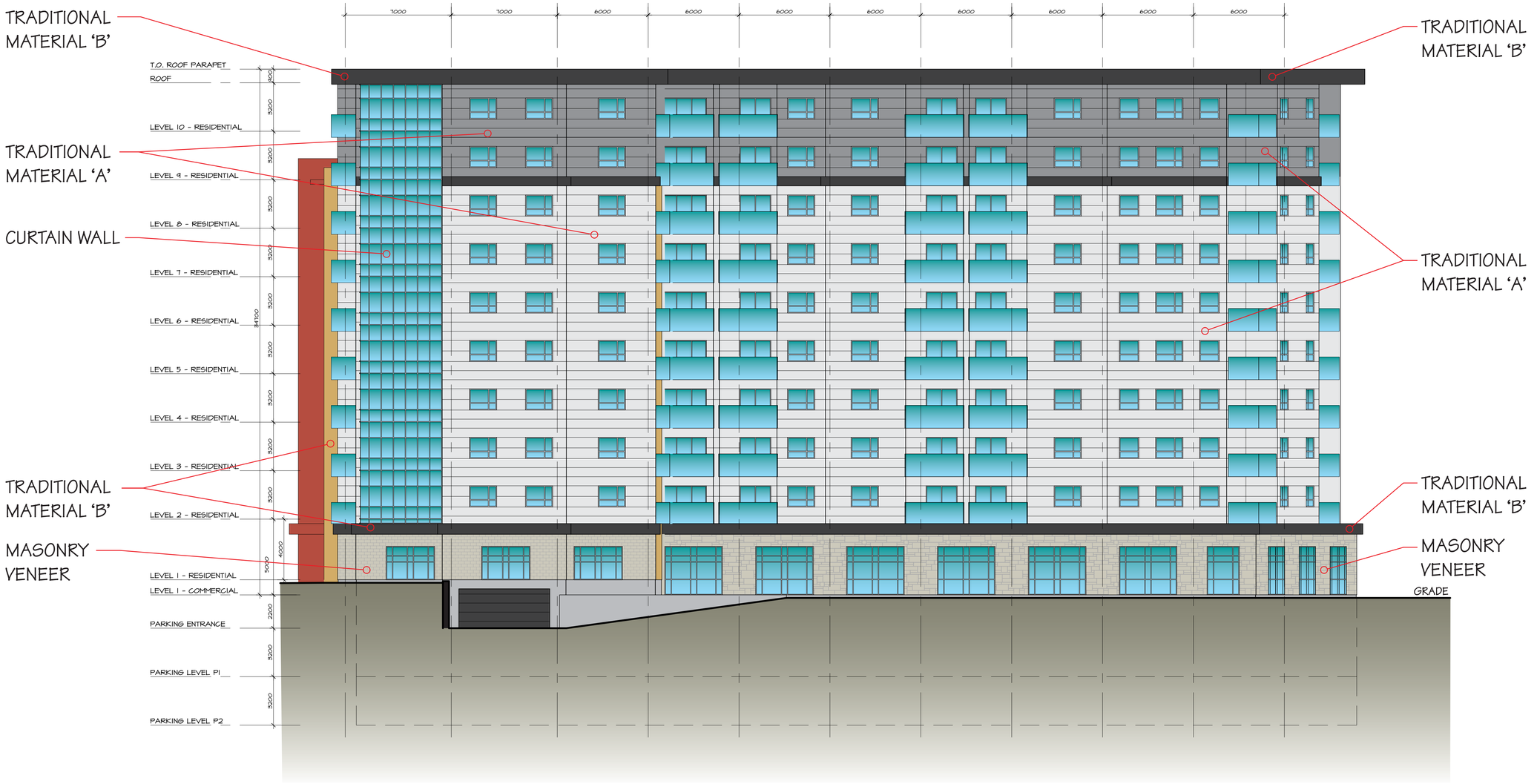
ELEVATION
Vaughan Harvey

SCALE 1:150
0 1 2 3 4 5 10m

architects 4

Our ref.: A2204
November 18, 2022

1333 Main Street Development



ELEVATION
Park side

SCALE 1:150
0 1 2 3 4 5 10m

architects 4

1333 Main Street Development

Our ref.: A2204
November 18, 2022

ELEVATION
Atlantic Avenue

SCALE 1:150
0 1 2 3 4 5 10m

architects 4

1333 Main Street Development

Our ref.: A2204
November 18, 2022

FLOOR LEVELS	3B	2B+D	2B	1B+D	1B
Level 10	2	3	6	5	2
Level 9	2	3	6	5	2
Level 8	2	5	4	5	2
Level 7	2	5	4	5	2
Level 6	2	5	4	5	2
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	.				
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Level P2 - U/G Parking	83 Parking Stalls				
Surface Parking	39 Parking Stalls				
TOTAL PARKING	205 Parking Stalls				

NORTH

FLOOR PLAN
Parking Level P2

SCALE 1:150
0 1 2 3 4 5 10m

1333 Main Street Development

Our ref.: A2204
November 18, 2022

FLOOR LEVELS	3B	2B+D	2B	1B+D	1B
Level 10	2	3	6	5	2
Level 9	2	3	6	5	2
Level 8	2	5	4	5	2
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Level P2 - U/G Parking	83 Parking Stalls				
Surface Parking	39 Parking Stalls				
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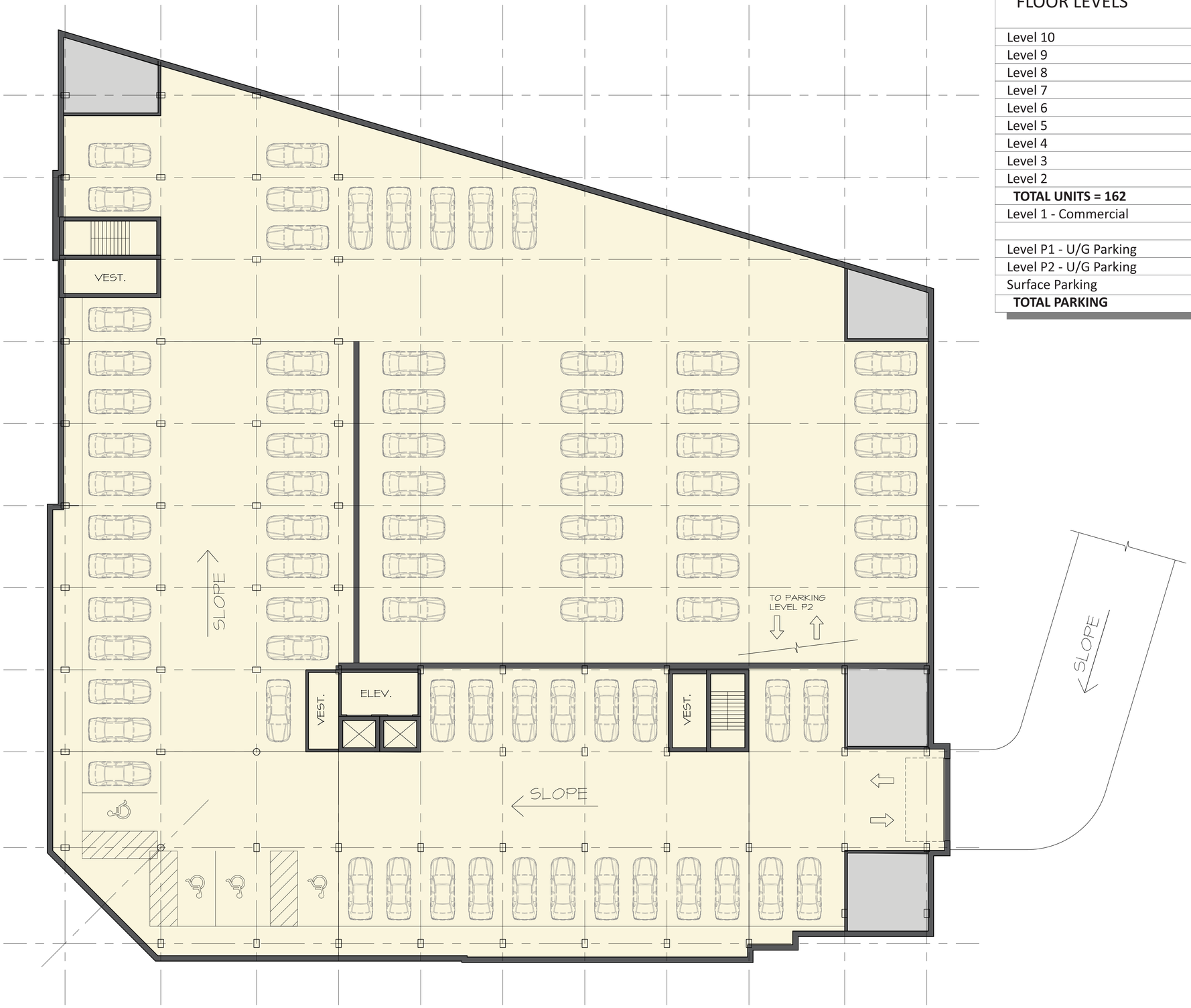

NORTH

FLOOR PLAN
Parking Level P1

SCALE 1:150
0 1 2 3 4 5 10m

architects 4

1333 Main Street Development

Our ref.: A2204
November 18, 2022

FLOOR LEVELS	3B	2B+D	2B	1B+D	1B
Level 10	2	3	6	5	2
Level 9	2	3	6	5	2
Level 8	2	5	4	5	2
Level 7	2	5	4	5	2
Level 6	2	5	4	5	2
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DIAGRAM KEY

- 3 Bedroom Unit
- 2 Bedroom + Den Unit
- 2 Bedroom Unit
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- 1 Bedroom Unit
- Resident Common Space
- Commercial Space
- Service Spaces
- Circulation

Potential Commercial Entrance

Potential Commercial Entrance

Potential Commercial Entrance

Bike Rack

Resident Entrance

Resident Entrance

COMMERCIAL
14,273 s.f.

ELEV.

VEST.

SPACE E
375 s.f.

SPACE C
588 s.f.

ELEV.

LOBBY

SPACE D
2,815 s.f.

SPACE A
1,438 s.f.

VESTIBULE

SPACE B
1650 s.f.

SLOPE

NORTH

FLOOR PLAN
Ground Level 1

SCALE 1:150
0 1 2 3 4 5 10m

1333 Main Street Development

Our ref.: A2204
November 18, 2022

FLOOR LEVELS	3B	2B+D	2B	1B+D	1B
Level 10	2	3	6	5	2
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Level 8	2	5	4	5	2
Level 7	2	5	4	5	2
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Surface Parking	39 Parking Stalls				
TOTAL PARKING	205 Parking Stalls				

DIAGRAM KEY

- 3 Bedroom Unit
- 2 Bedroom + Den Unit
- 2 Bedroom Unit
- 1 Bedroom + Den Unit
- 1 Bedroom Unit
- Resident Common Space
- Commercial Space
- Service Spaces
- Circulation

NORTH

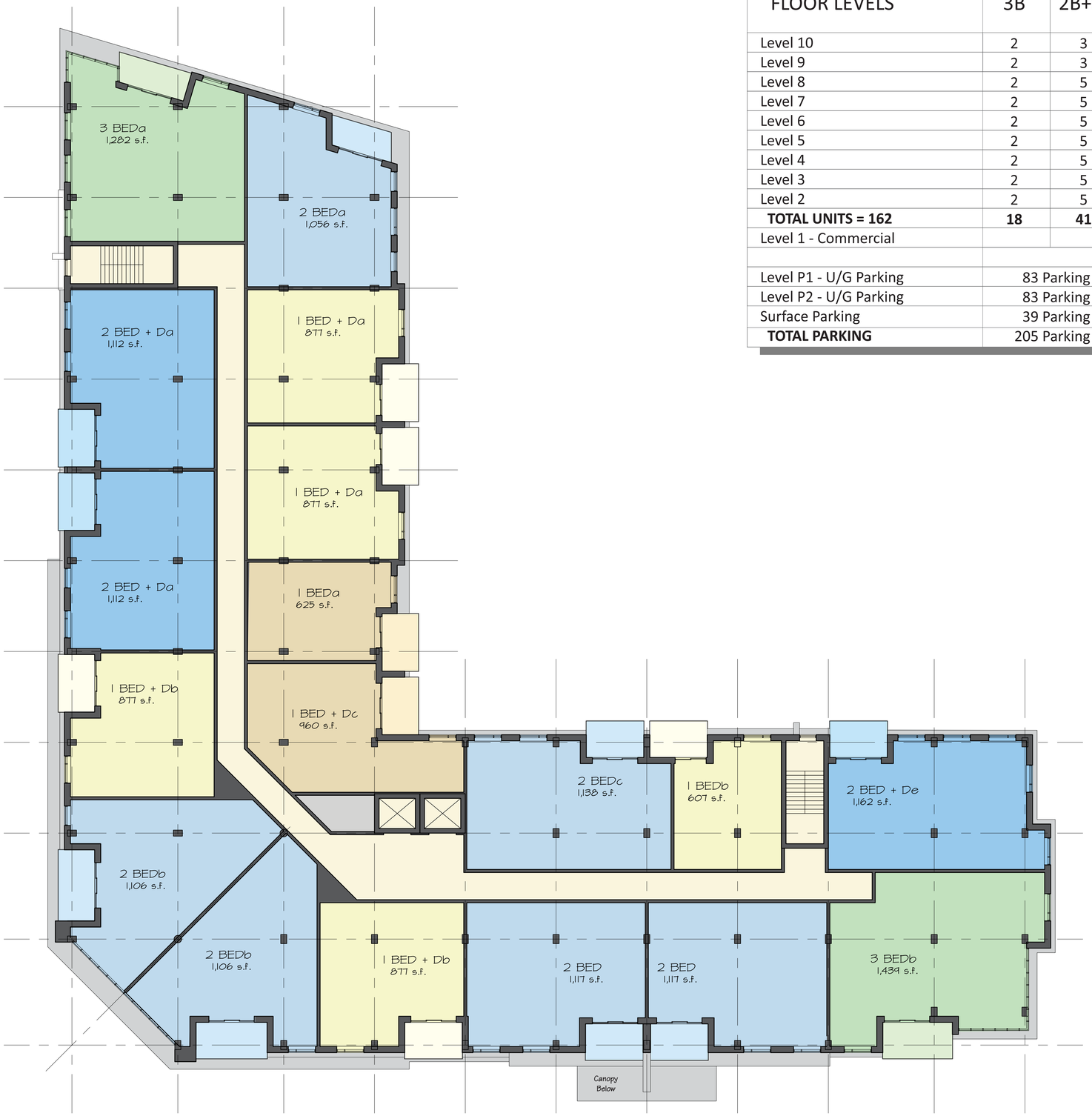
FLOOR PLAN
Levels 2 to 8

SCALE 1:150
0 1 2 3 4 5 10m

architects 4

1333 Main Street Development

Our ref.: A2204
November 18, 2022



FLOOR LEVELS	3B	2B+D	2B	1B+D	1B
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DIAGRAM KEY

- 3 Bedroom Unit
- 2 Bedroom + Den Unit
- 2 Bedroom Unit
- 1 Bedroom + Den Unit
- 1 Bedroom Unit
- Resident Common Space
- Commercial Space
- Service Spaces
- Circulation

NORTH

FLOOR PLAN
Levels 9 & 10

SCALE 1:150
0 1 2 3 4 5 10m

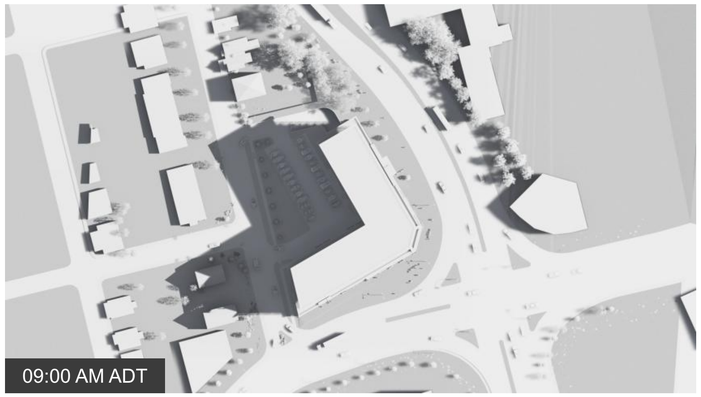
architects 4

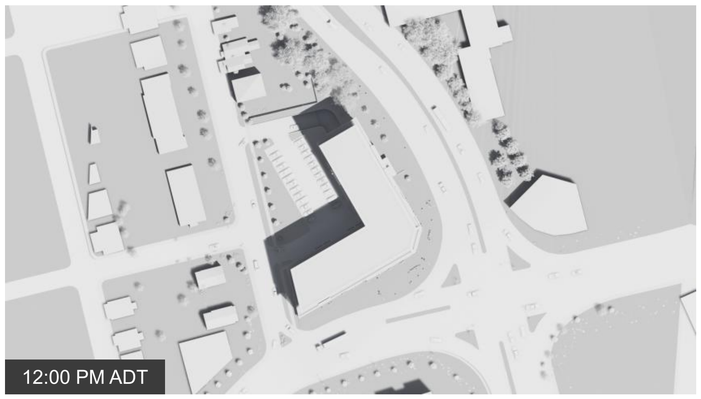
1333 Main Street Development

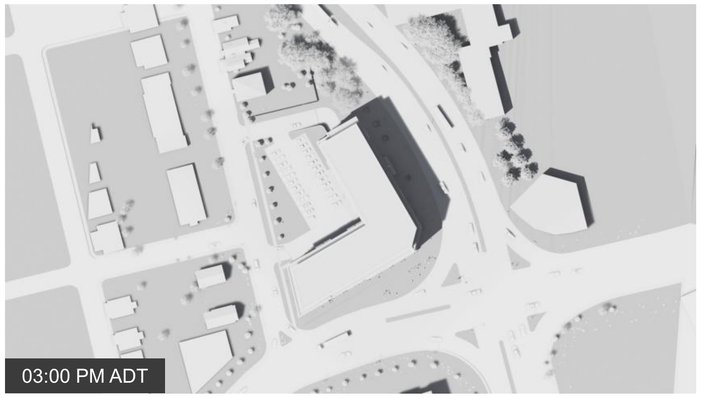
Our ref.: A2204
November 18, 2022

SUMMER SOLSTICE

JUNE 21

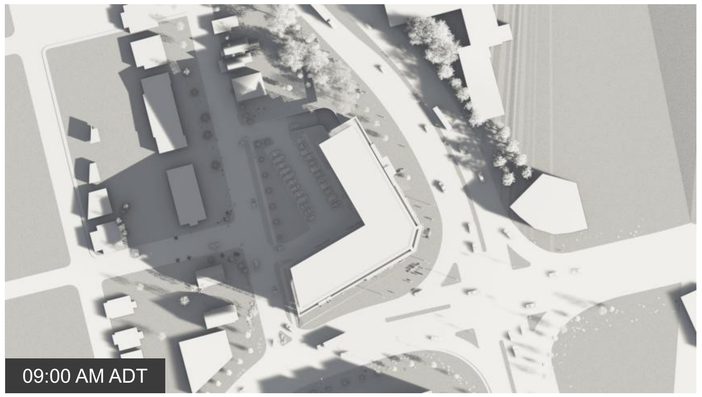


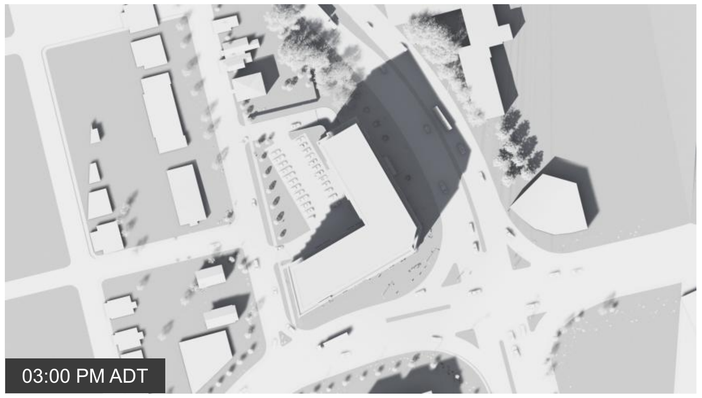




AUTUMN EQUINOX

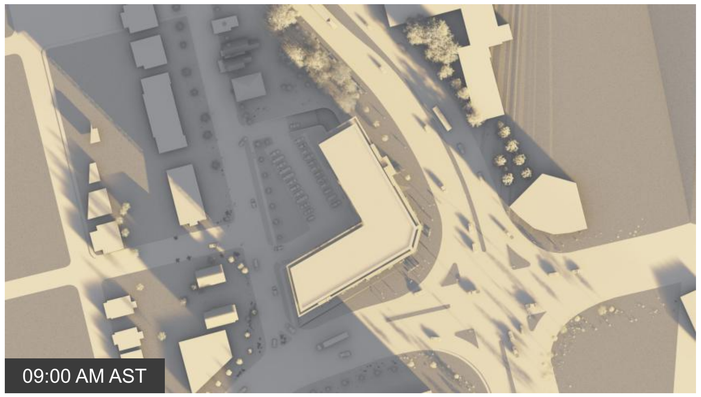
SEPTEMBER 22

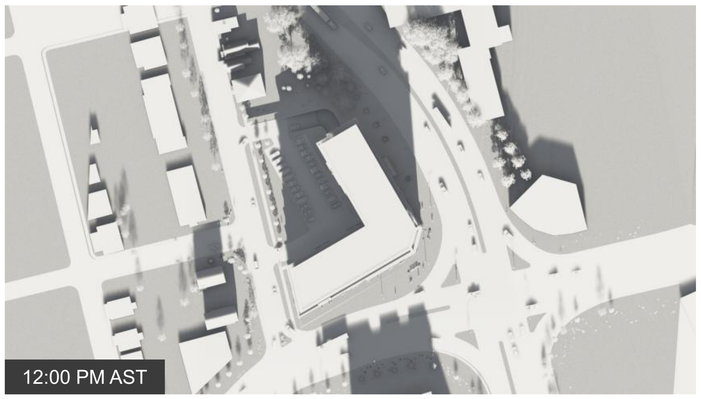


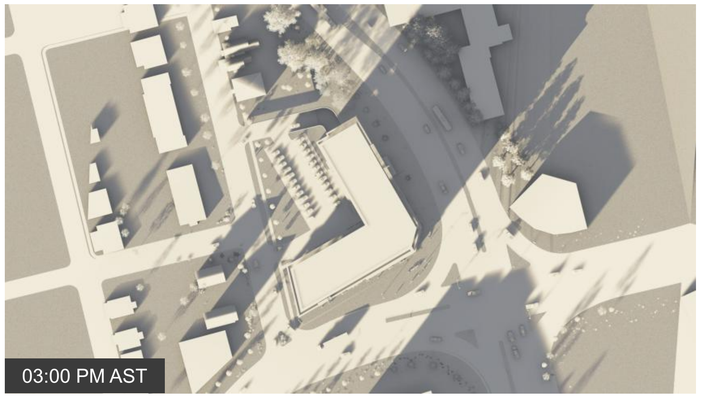


WINTER SOLSTICE

DECEMBER 21





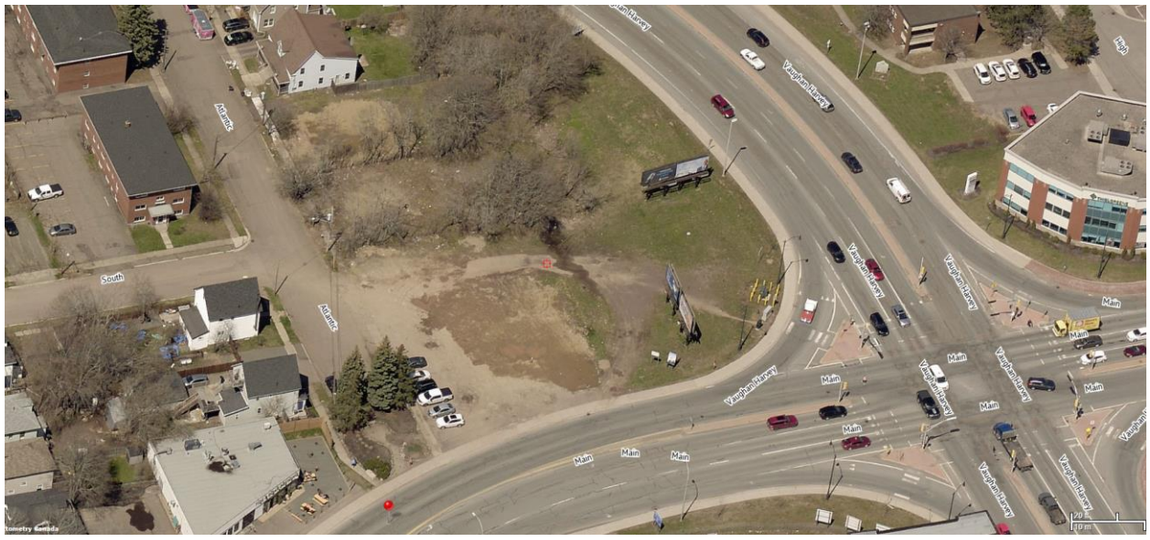


SUN STUDY

1333 Main Street Development

Our ref.: A2204
November 18, 2022

Main
Enterprise
Broadway
Fownes
Stewart
Atlantic
Vaughan Harvey
High


Atlantic
South
Vaughan Harvey
Main

Sean Power
SOLD

Main St

BY-LAW # Z-222.10

A BY-LAW IN AMENDMENT OF THE CITY OF MONCTON ZONING BY-LAW

BE IT ENACTED by the City Council of the City of Moncton under the authority vested in it by the *Community Planning Act*, S.N.B. 2017, c. 19, as follows:

The City of Moncton *Zoning By-Law*, being By-Law # Z-222, made and passed on February 7, 2022, and filed in the Westmorland County Registry Office on March 7, 2022, as number 42390469, is hereby amended as follows:

1. Schedule A is amended as shown on the map attached hereto as Schedule "A-10".

MADE AND PASSED _____, 2022.

First Reading:
Second Reading:
Third Reading:

ARRÊTÉ Nº Z-222.10

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ DE ZONAGE DE LA VILLE DE MONCTON

EN VERTU DU POUVOIR que lui confère la *Loi sur l'urbanisme*, L.N.-B. 2017, c. 19, le conseil municipal de la Ville de Moncton édicte :

L'*Arrêté de zonage* de la Ville de Moncton (arrêté nº Z-222), pris et adopté le 7 février 2022, déposé au bureau d'enregistrement du comté de Westmorland le 7 mars 2022, et portant le numéro 42390469, est modifié ainsi qu'il suit :

1. L'annexe A est modifiée tel qu'illustré sur le plan qui figure à l'annexe « A-10 » ci-jointe.

PRIS ET ADOPTÉ le _____ 2022.

Première lecture :
Deuxième lecture :
Troisième lecture :

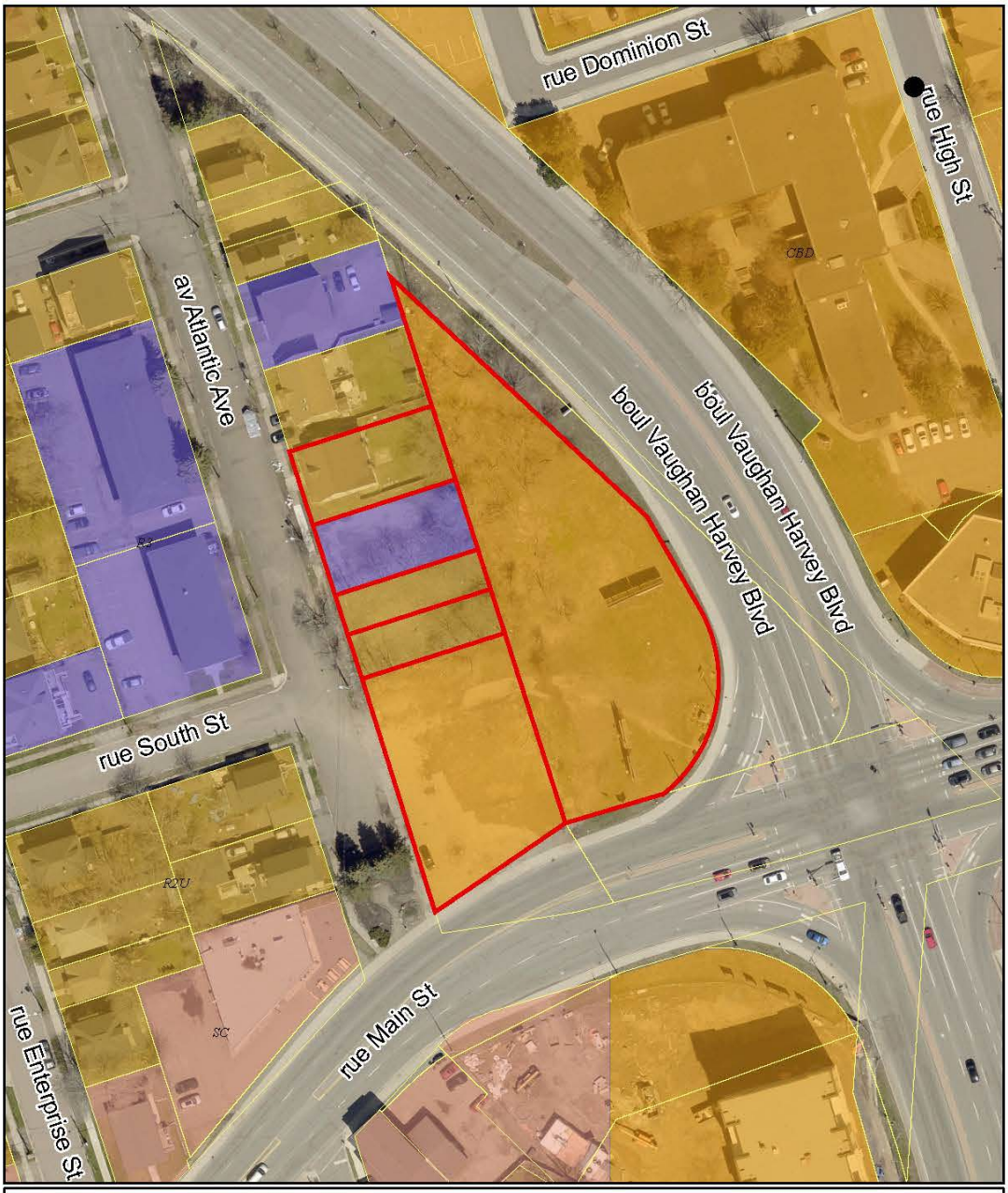
_____
Mayor/Maire

_____
City Clerk/Greffière

Schedule "A-10" / Annexe «A-10»

City of Moncton Zoning Map / Carte de zonage de la Ville de Moncton

Zoning By-law / Arrêté de zonage
#Z-222.10



Legend / Légende

- PID / NID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622
- R2U — Urban Dwelling Zone / Zone d'habitations urbaines
- R3 — Multiple Unit Dwelling Zone / Zone d'habitations multifamiliales
- SC — Suburban Commercial Zone / Zone commerciale suburbaine
- CBD — Central Business District Zone / Zone du quartier central des affaires

To rezone PID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622 from R3 (Multiple Unit Dwelling Zone), R2U (Urban Dwelling Zone) and CBD (Central Business District Zone) to CBD (Central Business District Zone)

Pour rezoner NID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622 de R3 (Zone d'habitations multifamiliales), R2U (Zone d'habitations urbaines) et CBD (Zone du quartier central des affaires) à CBD (Zone du quartier central des affaires)

Scale / échelle 1:1,000

Rezoning Application | Demande de rezonage

Zoning By-law Amendment Z-222.10
December 5, 2022

Modification à l'Arrêté de zonage Z-222.10
Le 5 décembre 2022

MONCTON

Amendment

An application to rezone lands from R2U (Urban Dwelling Zone), R3 (Multiple Unit Dwelling), and CBD (Central Business District) to CBD (Central Business District).

The rezoning will accommodate the construction of a 10-storey mixed-use building at the north-western corner of Vaughan Harvey Boulevard and Main Street. The building will have commercial on the main floor, two levels of underground parking (approximately 166 underground parking stalls), and a total of approximately 151 residential units

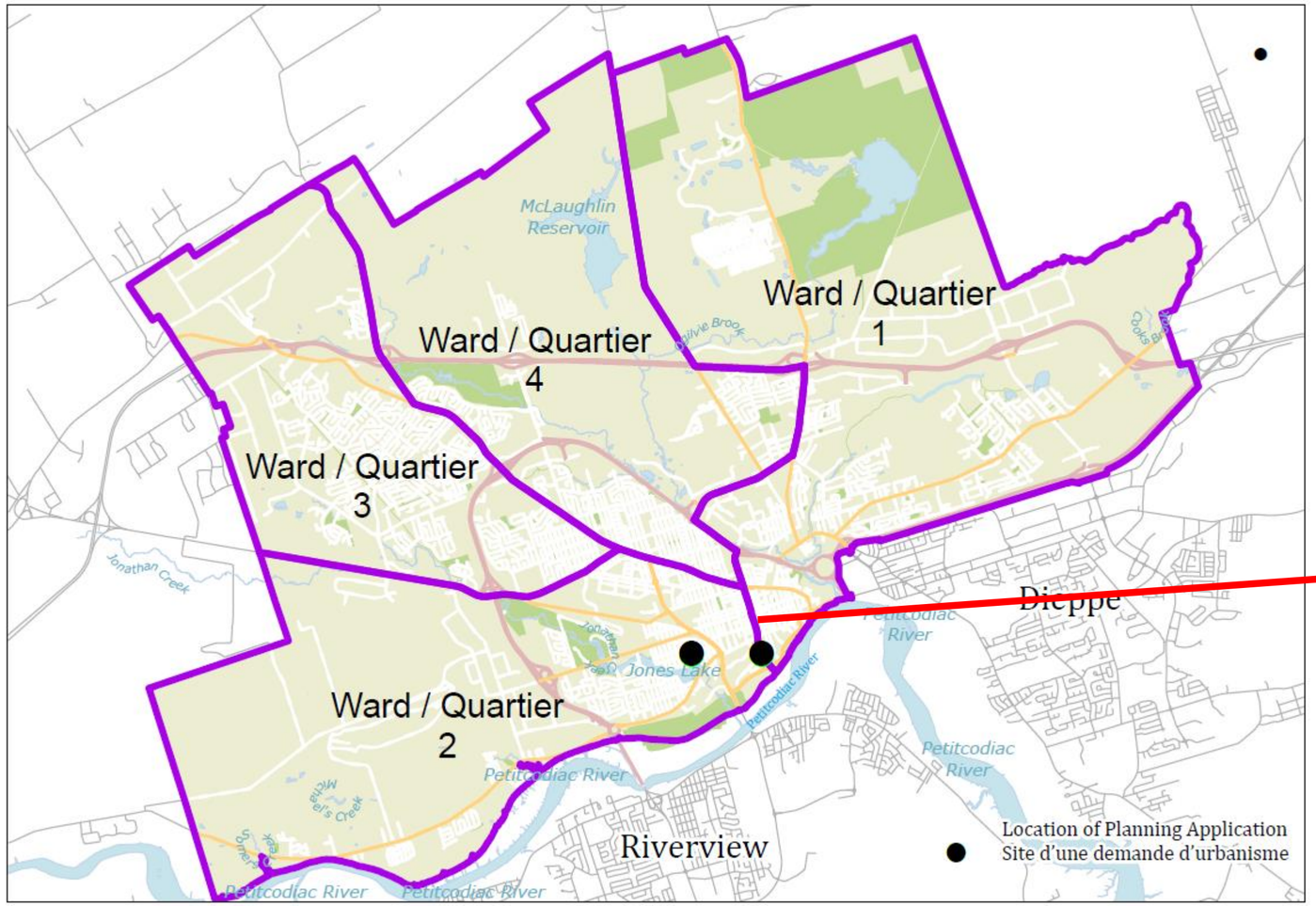
APPLICANT: Chad Blakney, agent, on behalf of 717035 NB Inc, landowner

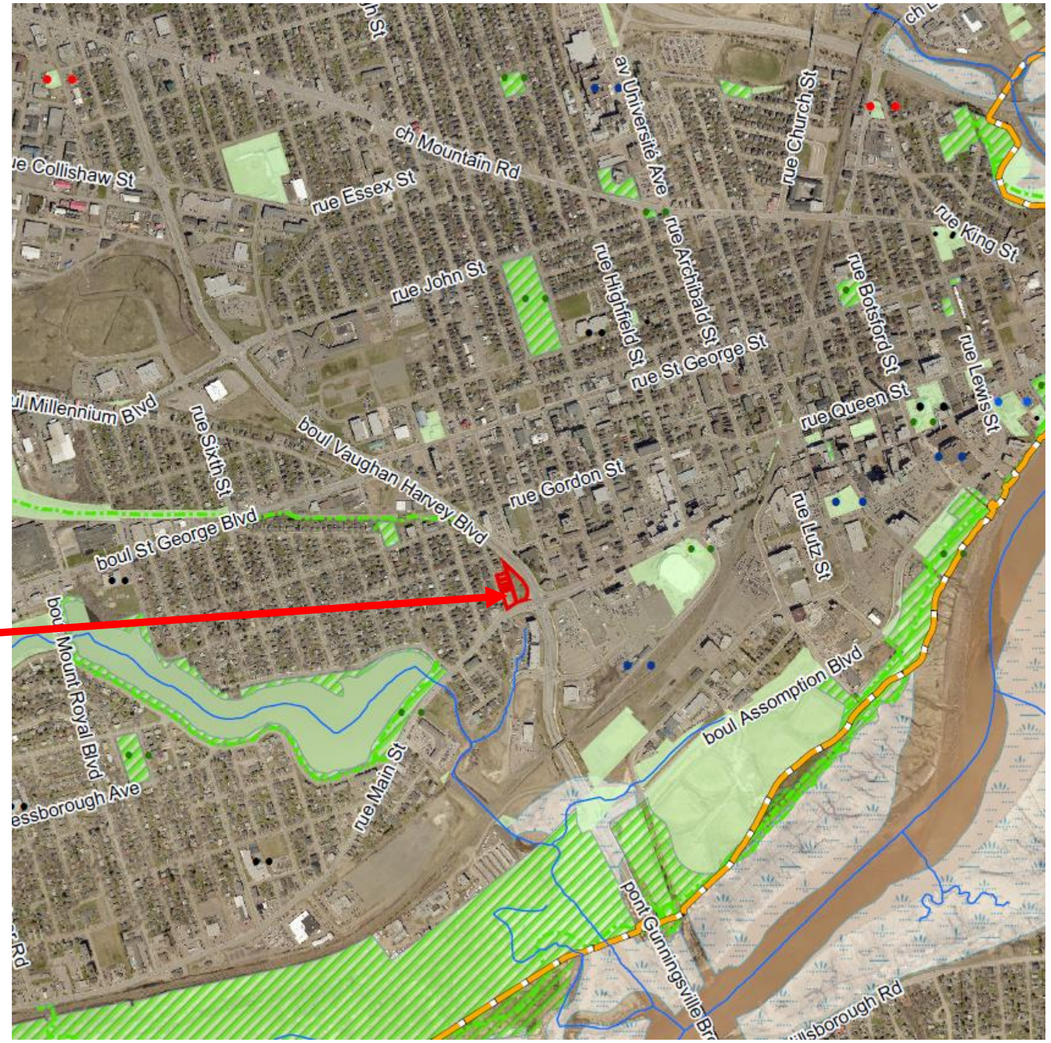
Modification

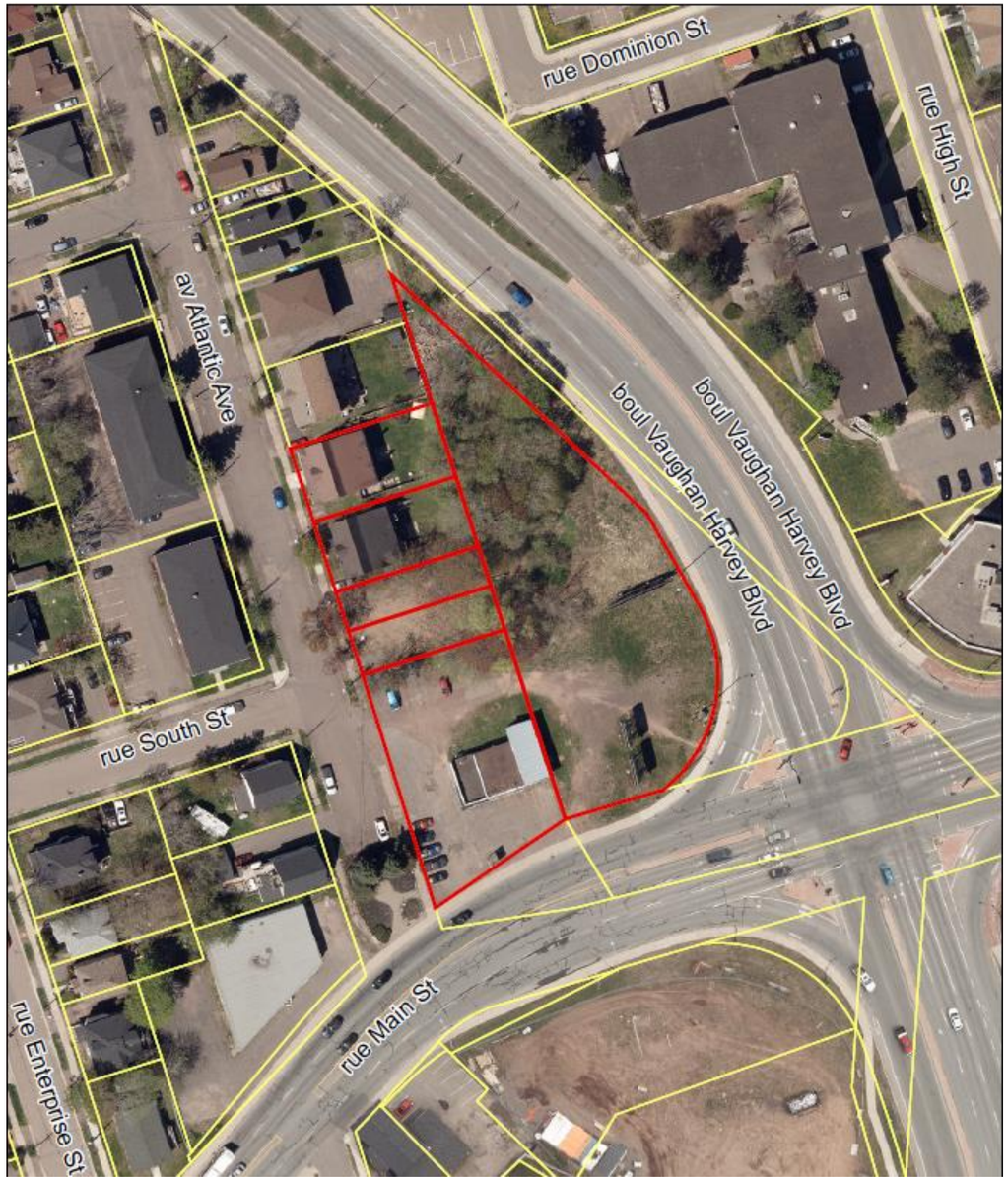
Demande pour rezoner des propriétés des zones R2U (Zone d'habitations urbaines), R3 (Zone d'habitations multifamilales) et CBD (Zone du quartier central des affaires) à la zone CBD (Zone du quartier central des affaires).

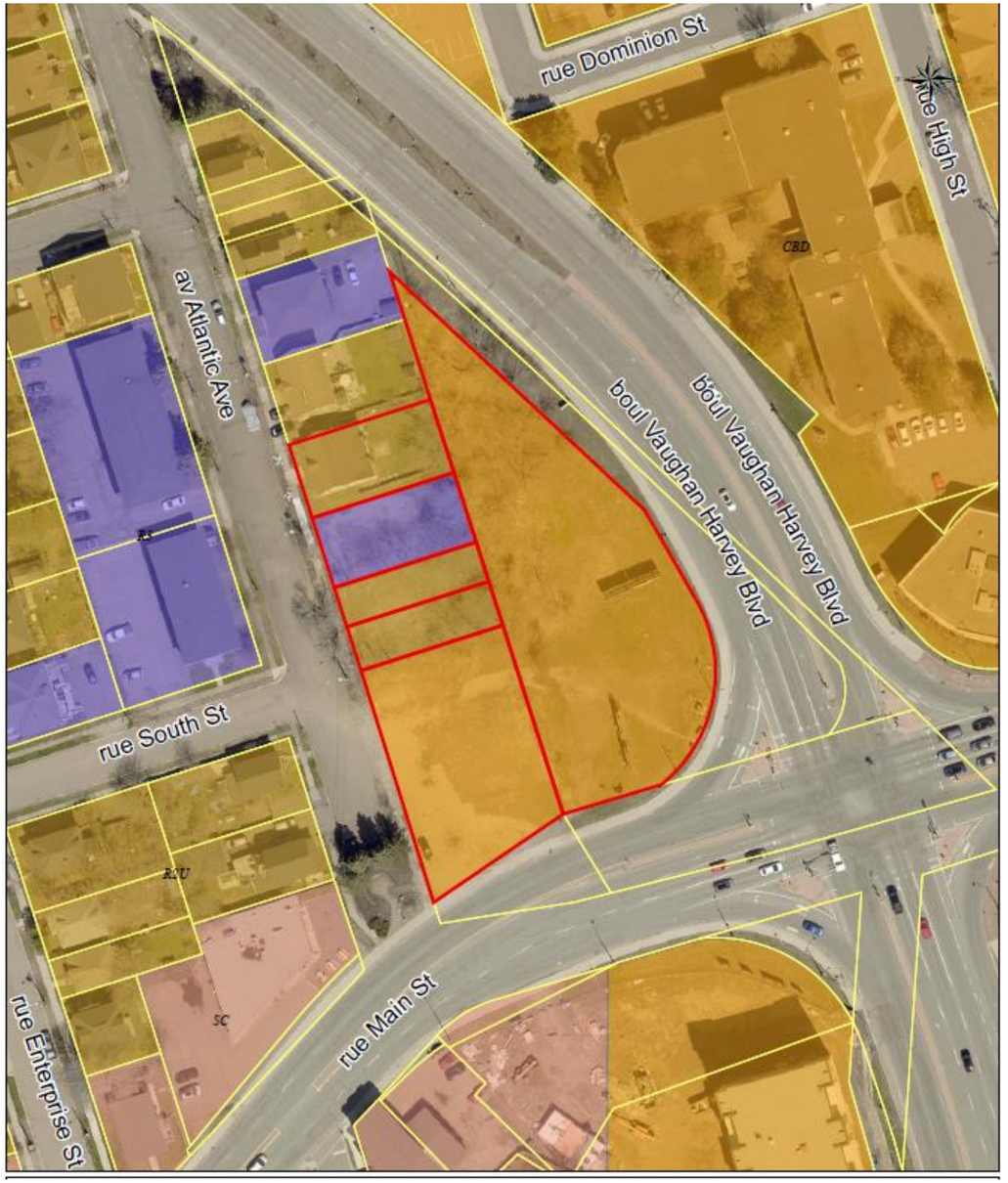
Le rezonage permettra la construction d'un bâtiment polyvalent de 10 étages à l'angle nord-ouest du boulevard Vaughan Harvey et de la rue Main. Le bâtiment sera doté d'établissements commerciaux au rez-de-chaussée, d'une aire de stationnement souterraine de deux étages (environ 166 places de stationnement souterraines) et d'un total approximatif de 151 unités résidentielles.

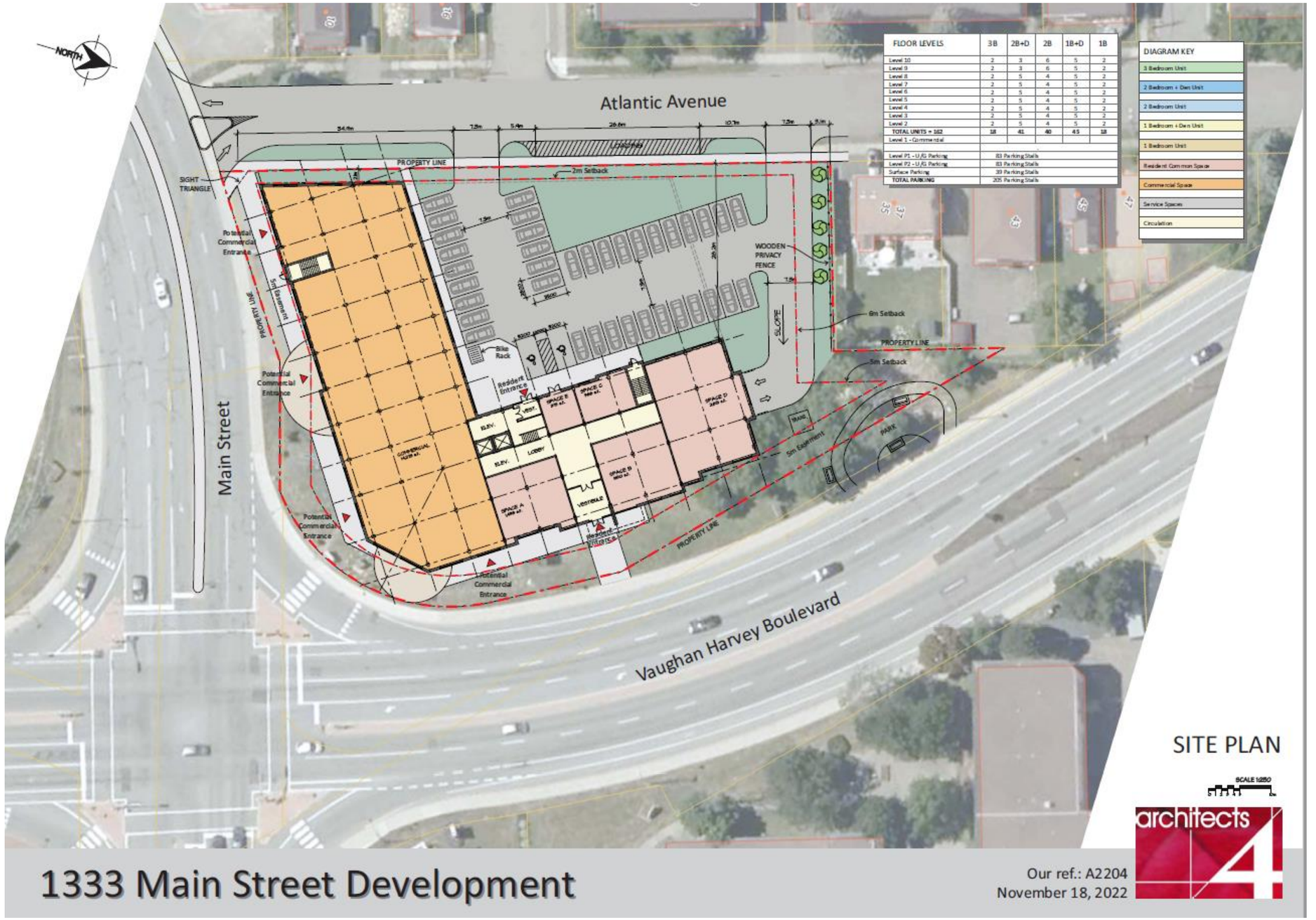
DEMANDEUR : Chad Blakney, agent, au nom de 717035 NB Inc, propriétaire foncier


Ward / Quartier 1
Ward / Quartier 4
Ward / Quartier 3
Ward / Quartier 2
McLaughlin Reservoir
Sylvie Brook
Dobbs Brook
Jonathan Creek
Jones Lake
Petitcodiac River
Dieppe
Riverview
Location of Planning Application
Site d'une demande d'urbanisme


ch Mountain Rd
rue Essex St
rue John St
av Université Ave
rue Church St
rue King St
rue Highfield St
rue Archibald St
rue St George St
rue Botsford St
rue Queen St
rue Lewis St
boul Millennium Blvd
rue Sixth St
boul Vaughan Harvey Blvd
rue Gordon St
boul St George Blvd
rue Lutz St
boul Mount Royal Blvd
rue Main St
boul Assomption Blvd
pont Gunningsville Br


rue Dominion St
rue High St
av Atlantic Ave
boul Vaughan Harvey Blvd
boul Vaughan Harvey Blvd
rue South St
rue Main St
rue Enterprise St


rue Dominion St
rue High St
CBD
av Atlantic Ave
boul Vaughan Harvey Blvd
boul Vaughan Harvey Blvd
rue South St
R-U
SC
rue Main St
rue Enterprise St



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Level P2 - U/G Parking	83 Parking Stalls				
Surface Parking	39 Parking Stalls				
TOTAL PARKING	205 Parking Stalls				

DIAGRAM KEY
3 Bedroom Unit
2 Bedroom + Den Unit
2 Bedroom Unit
1 Bedroom + Den Unit
1 Bedroom Unit
Resident Common Space
Commercial Space
Service Spaces
Circulation

1333 Main Street Development

Our ref.: A2204
November 18, 2022

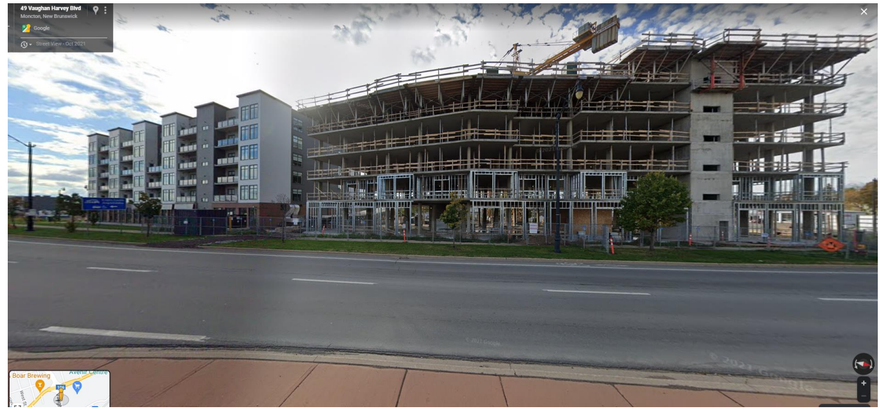
architects 4

MONCTON

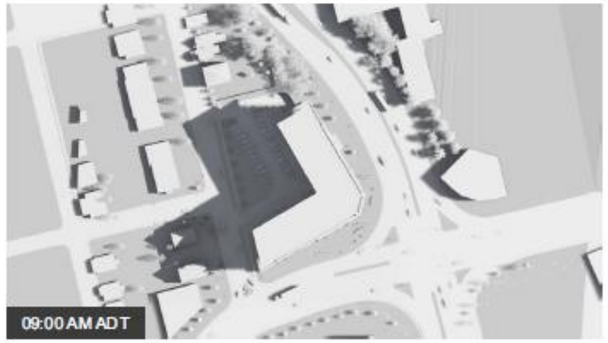
54

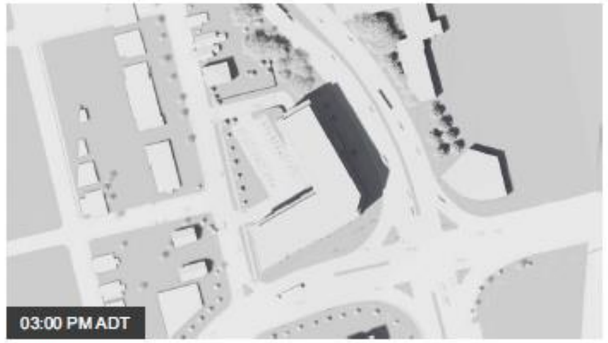
Sean Power
SOLD

Main St

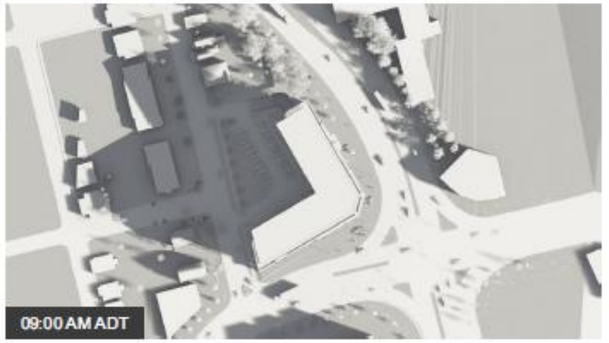

49 Vaughan Harvey Blvd
Moncton, New Brunswick

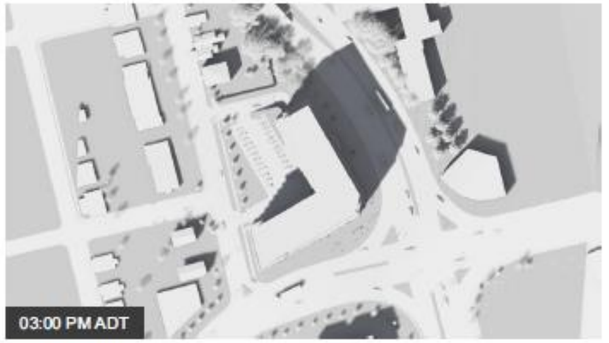
SUMMER SOLSTICE
JUNE 21



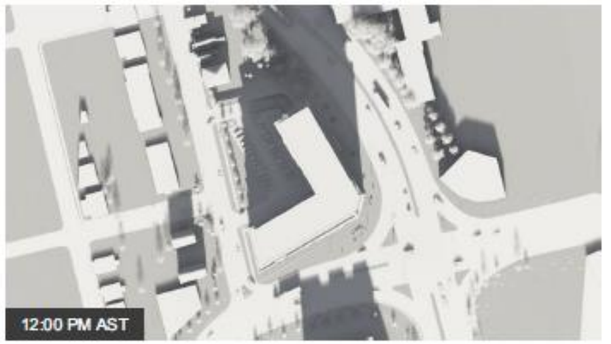


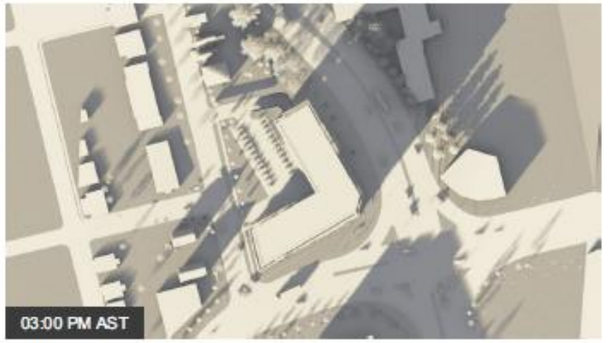
AUTUMN EQUINOX
SEPTEMBER 22





WINTER SOLSTICE
DECEMBER 21





MONCTON

Recommendation

Administration recommends that Moncton City Council proceed with the rezoning process for By-law Z-222.10, and

1) That Council give 1st reading to Zoning By-law amendment By-law Z-222.10;

2) That a public hearing be set for January 16, 2023;

3) That By-law Z-222.10 be referred to the Planning Advisory Committee for their written views and approval of the conditional use.

Recommandation

L'administration recommande que le Conseil municipal de Moncton procède au rezonage de l'arrêté Z-222.10; et

1) que le Conseil municipal fasse la première lecture de la modification de l'Arrêté de zonage Z-222.10;

2) qu'une audience publique ait lieu le 16 janvier 2023;

3)Que l'Arrêté Z-222.10 soit soumis au Comité consultatif d'urbanisme pour qu'il exprime ses avis par écrit et qu'il approuve l'usage conditionnel.

Recommendation

The rezoning, if approved, should be subject to a resolution with conditions including but not limited to:

1) That the properties (PIDs 00693614, 00693606, 00882894, 00696963, 70684642, and 00693622) be consolidated prior to the issuance of a Building and Development permit;

2) As the proposed rezoning meets the intent of policy D-22 of the Municipal Plan, amending the designation on PIDs 00693614, 00693606, 00882894, and 00693622 will not be required;

Recommandation

Le rezonage, s'il est approuvé, devrait faire l'objet d'une résolution assortie de conditions prévoyant entre autres ce qui suit :

1)Que les propriétés (portant les NID 00693614, 00693606, 00882894, 00696963, 70684642 et 00693622) soient combinées avant la délivrance d'un permis de construction et d'aménagement.

2)Puisque le rezonage proposé est conforme à l'intention de la politique D-22 du Plan municipal, il n'est pas nécessaire de modifier la désignation des NID 00693614, 00693606, 00882894 et 00693622.

Recommendation

3) That any impacted soil and/or groundwater must be managed in accordance with New Brunswick's Department of Environment and Local Government's Guidelines for the Management of Contaminated sites;

4) That the fence on the north side be opaque and made of wood, PVC, or another similar quality material, but shall not be chain link;

5) That the fence be installed as soon as possible, weather permitting, but no later than six months after the completion of the building construction;

Recommandation

3) Que tout sol ou eau souterraine touché doit être géré conformément aux Lignes directrices sur la gestion des sites contaminés du ministère de l'Environnement et des Gouvernements locaux du Nouveau-Brunswick ;

4) La clôture du côté nord doit être opaque et faite en bois, en PVC ou dans un autre matériau de qualité comparable, mais non en mailles losangées;

5) Cette clôture doit être installée le plus tôt possible, si la météo le permet, au plus tard six mois suivant la fin de la construction de l'immeuble.

Recommendation

6) That trees and shrubs be planted along the parking lot frontage as per section 45(2) of the Zoning By-law;

7) That despite section table 16.3 of Zoning By-law Z-222, the front yard setback on Main Street is permitted to increase from 2 metres to 5 metres;

8) That despite section 108(1)(b) of Zoning By-law Z-222 the special setback on Vaughan Harvey is permitted to be reduced from 6 metres to 5 metres in some areas;

Recommandation

6) Que des arbres et des arbustes soient plantés le long de la façade du parc de stationnement, conformément à l'article 45(2) du règlement de zonage ;

7) Que malgré le tableau de l'article 16.3 du règlement de zonage Z-222, il est permis d'augmenter la marge de recul de la cour avant sur la rue Main de 2 mètres à 5 mètres ;

8) Malgré l'article 108(1)(b) du Règlement de zonage Z-222, la marge de recul spéciale sur Vaughan Harvey peut être réduite de 6 mètres à 5 mètres à certains endroits ;

Recommendation

9) That despite table 16.3 of Zoning By-law Z-222 the setback of a portion of the building on the west side is permitted to increase as per plans;

10) That despite section 123(1) of Zoning By-law Z-222 the façade stepback is permitted to be reduced as per plans;

11) That despite section 117(c) of Zoning By-law Z-222 a commercial entrance on the west façade is not required;

Recommandation

9) Que malgré le tableau 16.3 du règlement de zonage Z-222, il est permis d'augmenter la marge de recul d'une partie du bâtiment du côté ouest, conformément aux plans ;

10) Que malgré l article 123(1) du règlement de zonage Z-222, il est permis de réduire le recul de la façade selon les plans ;

11) Que malgré l'article 117(c) du règlement de zonage Z-222, une entrée commerciale sur la façade ouest n'est pas requise ;

Recommendation

12)That despite section 117(d) of Zoning By-law Z-222 the spans between jogs and recesses on the ground floor facades are permitted to be increased as per plans;

13)That all uses of land pursuant to this agreement shall conform with the provisions of the City of Moncton Zoning By-law, as amended from time to time, except as otherwise provided herein;

Recommandation

12)Qu'en dépit de l'article 117(d) du règlement de zonage Z-222, il est permis d'augmenter les portées entre les jogs et les retraits sur les façades du rez-de-chaussée selon les plans ;

13)Que toutes les utilisations du sol conformes à cet accord respectent les dispositions de l’Arrêté de zonage de la Ville de Moncton, dans sa version modifiée périodiquement, sauf dans les cas contraires prévus dans la présente;

Recommendation

14) That nothing contained herein shall prohibit or in any way limit the Developer's right to apply for a variance pursuant to the provisions of the Community Planning Act; and

15) The development shall be carried out in substantial conformance with the plans and drawings submitted as Schedule B.

Recommandation

14) Que nulle disposition de la présente n'interdise ou ne limite, d'une manière ou d'une autre, le droit du promoteur de demander une dérogation conformément aux dispositions de la *Loi sur l'urbanisme*; et

15) que les travaux d'aménagement soient réalisés tout en étant substantiellement conformes aux plans fournis dans l'annexe B.

Next Steps

Planning Advisory Committee Written Views and approval of the conditional use.

December 21, 2022

Public Hearing /2nd and 3rd Readings

January 16, 2023

Prochaines étapes

Avis écrits du Comité consultatif d'urbanisme qu'il approuve l'usage conditionnel.

Le 21 décembre 2022

Audience publique / 2e et 3e lectures

Le 16 janvier 2023

MONCTON

Thank You | Merci

CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Elaine Aucoin, Sustainable Growth and Development Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	Adoption of By-law # Z-422, A By-law Relating to Buildings in the City of Moncton
Presenters / Présentateurs	Bill Budd, Director Planning and Development

Item/Point	7.2
Time allocation/ Temps prévu	15 minutes
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

To update the building By-law # Z-419, with By-law # Z-422, A By-law Relating to Buildings in the City of Moncton and to repeal By-law # Z-419, A By-law Relating to Buildings in the City of Moncton. This is being done to bring the by-law in line with the Province's new Building Code Administration Act.

BACKGROUND / CONTEXTE

Previously, within the Province of New Brunswick, building regulations came under the Department of Environment and Local Government and the *Community Planning Act*. In 2021, the Province moved this responsibility to the Justice and Public Safety Department and the new *Building Code Administration Act* which provides a 12 month transitional period to municipalities to adopt their Building By-laws under the new legislation.

This new Building By-law is being brought forward as part of transitioning the city's building regulations to comply with the new *Building Code Administration Act* that came into effect in 2021.

An administrative team from Building Inspection, Planning and Legal Departments undertook a review of the Building By-law to bring it in line with the new legislation. Amendments also include minor changes such as:

- Recognizing Interior Designers licensed or registered to practice in New Brunswick as design professionals capable of obtaining building permits for commercial projects involving non-structural designs;
- Requiring energy performance models to be sealed by a licensed professional;
- Requiring professional review for "integrated Fire Protection and Life Safety Systems Testing" for large buildings;
- Adding wording that an issued permit can be refunded if canceled by the applicant and no work has commenced; and,
- Housekeeping amendments on requirements for single, two unit and semi-detached dwellings.

RECOMMENDATION / RECOMMANDATION

That Moncton City Council give first reading to By-law # Z-422, A By-law Relating to Buildings in the City of Moncton.

ALTERNATIVES / AUTRES OPTIONS

- Council may postpone first reading and ask administration to bring forward additional details.
- That Council direct administration on how it wishes to proceed.

RISK ANALYSIS/ANALYSE DE RISQUES
The adoption of this new by-law brings the city's building regulations into compliance with the Building Code Administration Act.

CONSIDERATIONS / ENJEUX

Legal / Juridiques

The By-law has been developed and reviewed in conjunction with Legal Department. As per the requirements of the Building Code Administration Act, each municipality must pass a by-law under the new Act.

Policy / Politiques / Plans

To be adopted as a by-law.

Financial / Financiers

There are no financial implications.

Impact on Resources / Impact sur les ressources

There are no impacts on resources.

Environment / Environnement

There are no environmental implications.

Strategic Plan / Plan stratégique

☐ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☐ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☒ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

N/A

Attachments / Annexes

- By-law # Z-422, A By-law Relating to Buildings in the City of Moncton

Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

The proposed by-law has been reviewed by Building Inspection, Urban Planning, and Legal staff.

Communication and Official Languages Implications / Communications et langues officielles

By-law has been translated and is presented in both official languages.

BY-LAW # Z-422

A BY-LAW RELATING TO BUILDINGS IN THE CITY OF MONCTON

BE IT ENACTED by the Council of the City of Moncton under the authority vested in it by the *Building Code Administration Act, S.N.B. 2020, c. 8*, as follows:

Title

1 This By-Law may be cited as the "Building By-law".

Definitions

2 In this By-Law

"Act" means the *Building Code Administration Act, S.N.B. 2020, c. 8*, or any amendment thereto. (*Loi*)

"building inspector" means the Senior Building Inspector for the City, or their designate.

"City" means the City of Moncton. (*Ville*)

"City Manager" means the Chief Administrative . Officer of the City of Moncton appointed by Council under section 71 of the Local Governance Act; (*directeur municipal*)

"Council" means Moncton City Council. (*conseil municipal*)

"critical elevation" means the lowest point on a foundation wall where surface water would first enter, and more specifically means the lower of:
(a) the lowest point of the top of the foundation wall, and

(b) the lowest point of an opening or depression in the foundation wall, including basement windows ,doorways or other non-watertight openings, but excluding basement windows equipped with window wells in conformity with the Code. (*hauteur critique)*

"engineered solution" means a drainage plan, stamped by a professional engineer, providing for drainage and surface water management adequate to prevent surface water from entering a main building during a precipitation event up to and including a 100-year return period for a 24-hour duration and consistent with a drainage agreement in effect for the property in question, and which furthermore will not negatively impact drainage on adjacent properties. (*solution technique*)

"permit" means a permit issued pursuant to the Act. (*permis*)

"permit holder" means the owner or a person acting on behalf of

ARRÊTÉ n° Z-422

ARRÊTÉ DE CONSTRUCTION DE LA VILLE DE MONCTON

EN VERTU DU POUVOIR que lui confère la *Loi sur l'administration du Code du bâtiment, L.N.B. 2020, ch. 8*, le conseil municipal de Moncton édicte :

Titre

1 Titre usuel : *Arrêté de construction*.

Définitions

2 Les définitions qui suivent s'appliquent au présent arrêté.

« aménagement du terrain » Vise l'aménagement paysager, l'infrastructure de drainage, les aires de stationnement et les zones piétonnières. (*site development*)

« changement d'occupation » Changement quant à la nature de l'usage ou de l'usage prévu d'un bâtiment ou d'une partie de celui-ci consistant à abriter ou à loger des personnes, des animaux ou des biens. (*change in occupancy*)

« conseil municipal » Le conseil municipal de Moncton. (*Council*)

« construction » S'entend de tout ouvrage élevé ou bâti sur ou sous le sol ou attaché à quelque chose sur le sol, et vise notamment les bâtiments. (*structure*)

« coût estimatif total » s'entend de la valeur pécuniaire totale, fixée par l'inspecteur des bâtiments, de l'ensemble des travaux envisagés, à l'exception des travaux visés à l'article 5. (*total estimated cost*)

« directeur municipal » Le directeur général de la Ville de Moncton nommé en vertu de l'article 71 de la *Loi sur la gouvernance locale*. (*City Manager*)

« hauteur critique » S'entend du point le plus bas sur un mur de fondation, où l'eau de surface commencerait à entrer, et, plus précisément, s'entend du point le plus bas parmi les suivants :

a) le point le plus bas du sommet du mur de fondation;

b) le point le plus bas d'une ouverture ou dépression dans le mur de fondation, y compris les fenêtres et entrées de portes de sous-sol et autres ouvertures dans le sous-sol qui ne sont pas étanches, mais à l'exclusion des fenêtres de sous-sol qui s'ouvrent sur un puits de lumière conforme au Code. (critical elevation)

« inspecteur des bâtiments » L'inspecteur en chef des bâtiments de la Ville ou son représentant. (*Building Inspector*)

the property owner. (*titulaire de permis*)

"site development" means landscaping, drainage infrastructure, and parking and pedestrian areas. (*aménagement du terrain*)

"total estimated cost" means the total monetary worth, as determined by the Building inspector, of all proposed work, except the work outlined in Section 5 (*cout estimatif total*)

"work" means to construct, demolish or change the use of a building, as those terms are defined in the *Act* (*travaux*)

Words used in this By-Law and not defined herein which are defined in the *Act* or the *Code* shall have the meaning as therein defined.

« *Loi* » La *Loi sur l'administration du Code du bâtiment, L.N.B. 2020, ch. 8*, ensemble ses modifications. (*Act*)

« occupation » Vise l'usage ou l'usage prévu d'un bâtiment ou d'une partie de celui-ci consistant à abriter ou à loger des personnes, des animaux ou des biens. (*occupancy*)

« permis » Permis délivré conformément à la *Loi*. (*permit*)

« solution technique » S'entend d'un plan de drainage, marqué de l'estampille d'un ingénieur, prévoyant la gestion des eaux de drainage et de surface pour prévenir l'infiltration des eaux de surface dans un bâtiment principal au cours d'un événement de précipitation produisant des précipitations maximales de l'ordre de celles de la tempête de pluie centennale sur une période de 24 heures, plan qui est conforme à tout accord de drainage en vigueur à l'égard de la propriété visée, et qui, en outre, n'a aucune incidence négative sur le drainage des propriétés adjacentes. (*engineered solution*)

« titulaire de permis » Vise le propriétaire du bien ou une personne agissant pour son compte. ((*permit holder*)

"« travaux » Construire ou démolir, au sens de ces termes définis dans la *Loi*, ou effectuer un changement d'usage. (*travaux*)

« Ville » La Ville de Moncton. (*City*)

Les termes employés dans le présent arrêté sans y être définis, mais définis dans la *Loi* ou le *Code* ensemble ses modifications, s'entendent au sens de cette loi.

Code

3 The City shall keep copies of the Code in both official languages available for public use, inspection and examination during regular business hours.

Code

3 La Ville conserve des exemplaires du *Code* dans chacune des langues officielles, qu'elle met à la disposition du public durant les heures d'ouverture normales à des fins d'usage, d'examen et de consultation.

Prohibition

4 A person shall not undertake or continue any work unless the work conforms with the *Act* and its regulations.

Interdiction

4 Il est interdit d'entreprendre ou de poursuivre des travaux à moins qu'ils ne soient conformes à la *Loi* et à ses règlements d'application.

Non material work

5 The following work shall not be considered material and shall be exempted from the requirements of obtaining a permit:

(a) for all buildings :

(i) maintenance of heating equipment, ventilation or electrical equipment, provided such maintenance does not affect fire separations or fire dampers,

Travaux mineurs

5 Les travaux qui suivent ne sont pas considérés comme étant importants et aucun permis n'est requis pour les réaliser :

a) s'agissant de tous les bâtiments :

(i) l'entretien de l'équipement de chauffage, d'aération ou d'électricité, à condition que cet entretien n'ait pas d'incidence sur les séparations

(ii) interior or exterior painting,

(iii) replacement of baseboards and window casings,

(iv) replacement of flooring,

(v) replacement of built in furniture,

(b) for buildings containing only a single or two unit dwelling and associated accessory buildings:

(i) re-roofing, up to 25% of roof sheathing replacement,

(ii) changing doors, provided they are in the same type, location and size;

(iii) replacing exterior deck flooring where such repairs are the same type and configuration as that being repaired,

(iv) plaster and drywall repairs not within a fire separation,

(v) wallpaper installation,

(vi) installation of gutters or downspouts,

(vii) installation of storm doors and shutters,

(viii) refacing or replacement of kitchen cabinets,

(ix) repairing or reinstalling cosmetic interior trim, or

(x) replacement of fascia board and soffit; and

(c) any buildings listed under section 5 of Regulation 2021-2 under the Act that are exempt from application of the Act, Regulation 2021-2 and the Code.

coupe-feu ou les registres coupe-feu,

(ii) la peinture intérieure ou extérieure,

(iii) le remplacement de plinthes ou d'encadrements de fenêtres,

(iv) le remplacement de planchers,

(v) le remplacement de meubles encastrés;

b) les travaux visés, qui sont effectués dans un bâtiment ne renfermant qu'une habitation unifamiliale ou bifamiliale et dans des bâtiments accessoires afférents, se limitent à ce qui suit :

(i) le remplacement de la toiture représentant jusqu'à 25 % du voligeage,

(ii) le remplacement de portes par des portes de mêmes type et dimension et au même endroit que celles remplacées,

(iii) le remplacement du revêtement de sol extérieur de la terrasse par un revêtement de mêmes type et configuration que celui remplacé,

(iv) la réparation du plâtre et des cloisons sèches hors d'une séparation coupe-feu,

(v) la pose de papier-peint,

(vi) la pose de gouttières ou de tuyaux de descente pluviale,

(vii) la pose de contreportes et de contrevents,

(viii) le remplacement d'armoires de cuisine ou de leurs portes,

(ix) la réparation ou la repose de moulures décoratives intérieures,

(x) le remplacement des bordures de toit et du soffite,

c) les bâtiments énumérés à l'article 5 du Règlement 2021-2 pris en vertu de la *Loi* qui sont soustraits à l'application de la *Loi*, du Règlement 2021-2 et du *Code*.

Permit Application **Demande de Permis**

6(1) An owner seeking to obtain a permit shall make an application in writing to the City, in accordance with this By-Law.

6(2) An application that has not been approved within 6 months shall be deemed null and void unless extended by the building inspector.

6(3) The permit application referred to in this section shall be made on a form prescribed by the building inspector and such application shall include:

(a) the applicable fees, costs or charges in such an amount as determined by Council and described in the *Fees and Charges By-Law*;

(b) the name and address of the owner, their telephone number, and, where applicable, fax number and e-mail address;

(c) the name and address of the person performing the work, their telephone number, and, where applicable, fax number and e-mail address;

(d) the location of the property upon which the work is to be performed, its civic number, street name, lot number and property identification number;

(e) the detailed scope of work to be performed;

(f) a cost estimate of the proposed work, broken down by trade, where requested by the building inspector;

(g) a description of the intended use of the building;

(h) unless waived by the building inspector, copies of the specifications and legible scale drawings of the site and building with respect to the proposed work to be carried out indicating:

(i) the geodetic elevation of the basement floor, attached garage slab elevation, where applicable, and the top of all the foundation walls;

(ii) the front yard, rear yard, side yard and, where applicable, the flankage yard, as defined in the *Zoning By-Law;*

(iii) the foundation's critical elevation;

(iv) the proposed finished land elevation at each corner of the property and foundation wall;

(v) the driveway location and its slope from the property line adjacent to the road, and the width of the driveway opening at the property line and the required setback line;

(vi) the geodetic elevation of the finished grade of

6(1) Le propriétaire qui souhaite obtenir un permis pour effectuer des travaux quelconques présente sa demande écrite à la ville conformément au présent arrêté.

6(2) La demande qui n'a pas été approuvée dans les six mois qui suivent sa présentation est réputée caduque à moins que l'inspecteur des bâtiments n'en accorde la prolongation.

6(3) Établie au moyen du formulaire prescrit par l'inspecteur des bâtiments, la demande de permis visée au présent article fournit notamment les renseignements suivants :

a) les droits et frais non remboursables applicables fixés par le conseil municipal et indiqués dans l'*Arrêté sur les droits et redevances*;

b) les nom et adresse du propriétaire, son numéro de téléphone et, le cas échéant, son numéro de télécopieur et son adresse de courriel;

c) les nom et adresse de la personne qui doit exécuter les travaux, son numéro de téléphone et, le cas échéant, son numéro de télécopieur et son adresse de courriel;

d) l'emplacement de la propriété sur laquelle seront effectués les travaux, son numéro de voirie, le nom de la rue, son numéro de lot et le numéro d'identification de la parcelle;

e) l'étendue des travaux à exécuter, en détails;

f) le coût estimatif des travaux envisagés, ventilé par métier, à la demande de l'inspecteur des bâtiments;

g) une description de l'usage prévu du bâtiment ou de la construction;

h) sauf dispense de cette exigence accordée par l'inspecteur des bâtiments, des exemplaires des devis et des dessins – à l'échelle et lisibles – du site et du bâtiment ou de la construction dressés en vue des travaux envisagés, indiquant ce qui suit :

(i) la hauteur géodésique du plancher du sous-sol, la hauteur de la dalle du garage attenant, le cas échéant, et le faîte de tous les murs de fondation,

(ii) la cour avant, la cour arrière, la cour latérale et, le cas échéant, la cour de flanc, au sens de l'*Arrêté de zonage*,

(iii) la hauteur critique des fondations,

(iv) l'élévation de terrain après l'exécution des travaux à chaque coin de la propriété et du mur de fondation,

(v) l'emplacement de la voie d'accès et sa pente

the centreline of the road where it meets the extended centreline of any driveway;

(vii) location of lot servicing laterals to the site, existing municipal and private service easements, underground electrical, telephone, gas, cable, and all other public utility easements;

(viii) any physical feature that may impede drainage such as accessory buildings and structures, and natural vegetation such as large trees or landscaped gardens;

(ix) any proposed finished land elevations that indicate the existence and functionality of swales or other drainage elements, including private catch basins;

(x) any other information required to show conformity of the Site Plan with this By-Law, the *Subdivision By-Law* and *Zoning By-Law*;

(xi) the position, height and dimensions of all buildings or structures on, and those proposed to be located on, the land referred to;

(xii) the proposed use of each room on each floor area of the building or structure;

(xiii) full cross section and stair detail, relevant wall sections, window sizes including unobstructed window opening for bedrooms and deck details;

(xiv) roof truss layout and shop drawings bearing the seal and signature of a Professional Engineer;

(xv) engineered floor truss layout and shop drawings bearing the seal and signature of a Professional Engineer, if applicable;

(xvi) engineered lintel or beam design bearing the seal and signature of a Professional Engineer;

(xvii) where construction is on lands known to have been backfilled or soil is unstable, the results and recommendations of a soil investigation bearing the seal and signature of a Geotechnical Professional Engineer registered or licensed to practice in the Province of New Brunswick;

(xviii) the proposed street tree location (min. 1m x 1m) to conform to the sub-division development guidelines; and

(xix) such other information as the building inspector may require for the purpose of determining compliance with this or any other by-law.

à partir de la limite de propriété longeant l'emprise du chemin, ainsi que la largeur de la voie d'accès à la limite de propriété, et la limite de la marge de retrait obligatoire,

(vi) la hauteur géodésique du niveau établi du sol du chemin à son axe médian, au point où celui-ci croise le prolongement de l'axe médian de la voie d'accès,

(vii) l'emplacement sur le lot des conduites secondaires servant à alimenter le site, les servitudes de service existantes – municipales et privées – et toute autre servitude existante pour services publics, relatives notamment à la distribution souterraine de services par les sociétés d'électricité, de téléphone, de gaz ou de câblodistribution,

(viii) tout élément physique pouvant nuire au drainage, tels des bâtiments et constructions accessoires, et la végétation naturelle, tels des gros arbres et jardins paysagés,

(ix) toute élévation de terrain après l'exécution des travaux, ainsi que la présence et la fonction de baissières ou d'autres éléments de drainage, y compris des puisards privés,

(x) tout autre renseignement nécessaire pour démontrer que le plan de situation est conforme à l'*Arrêté de construction*, à l'*Arrêté sur le lotissement* et à l'*Arrêté de zonage*,

(xi) la position, la hauteur et les dimensions de tous les bâtiments existants et futurs et constructions existantes et futures sur le terrain visé,

(xii) l'usage projeté pour chaque pièce par aire de plancher du bâtiment ou de la construction,

(xiii) une coupe transversale intégrale avec dessin de détail des escaliers, ainsi que les détails pertinents sur les murs, les dimensions des fenêtres – y compris des baies de fenêtres non-obstruées pour les chambres – et les terrasses,

(xiv) le plan d'implantation et les dessins d'atelier des fermes, revêtus du sceau et de la signature d'un ingénieur,

(xv) le plan d'implantation et les dessins d'atelier des poutres de plancher triangulées industrialisées, revêtus du sceau et de la signature d'un ingénieur,

(xvi) les dessins des linteaux ou poutres industrialisés, revêtus du sceau et de la signature d'un ingénieur,

6(4) Where a site plan is required pursuant to paragraph 6(3)(h):

(a) such site plan must be prepared in conformity with the registered drainage plan, or in the absence of a registered drainage plan, or if the site plan is not in conformity with the registered drainage plan, an engineered solution;

(b) where a permit for demolition is required, a person shall not undertake or continue to demolish a structure unless the application for demolition permit includes the provincially-approved location to which demolition debris will be taken.

(xvii) lorsque la construction doit avoir lieu sur des terrains connus pour avoir été remblayés ou dont le sol est instable, les résultats d'une reconnaissance des sols et les recommandations qui en découlent, revêtus du sceau et de la signature d'un ingénieur en géotechnique habilité à exercer dans la province du Nouveau-Brunswick,

(xviii) l'emplacement envisagé de la rue (d'une largeur minimale de 1 m x 1 m), laquelle doit être conforme aux lignes directrices visant l'aménagement des lotissements,

(xix) tout autre renseignement dont l'inspecteur des bâtiments peut avoir besoin pour vérifier la conformité au présent arrêté ou à tout autre arrêté.

6(4) Si un plan de situation est nécessaire par application de l'alinéa 6(3)*h*) :

a) le plan de situation doit être conforme au plan de drainage enregistré ou, en l'absence de plan de drainage enregistré, ou si le plan de situation n'est pas conforme au plan de drainage enregistré, à une solution technique;

b) lorsqu'un permis de démolition est nécessaire, il est interdit d'entreprendre ou de poursuivre les travaux de démolition à moins que la demande de permis de démolition indique le lieu – reconnu par la Province – où seront amenés les décombres.

Special application requirements for commercial projects

7(1) Work described in this section shall be designed and reviewed during construction by an architect, engineer, or interior designer as required by the scope of work, authorized and registered to practice in New Brunswick:

(a) New constructions and additions, including mezzanine additions and floor infills, of buildings which;

(i) exceeds 600m^2 in building area or exceeds 3 stories in building height, or

(ii) is used for Group A - Assembly, Group B - Institutional, Group F Division 1 - High Hazard Industrial occupancies.

(b) Renovations to suites which :

(i) exceeds 600 m^{2}in area, and

(ii) involves work with fire separations, life safety systems, exterior walls, main entrances or public corridors.

(c) construction and modifications that are designed in

Exigences particulières visant les projets commerciaux

7(1) Les travaux décrits au présent article doivent être à la fois conçus puis examinés au cours de la construction par un architecte, un ingénieur ou un designer d'espaces intérieurs, selon la portée des travaux, inscrit et autorisé à exercer sa profession au Nouveau-Brunswick :

a) les nouvelles constructions des bâtiments suivants et les rajouts (y compris notamment les rajouts aux mezzanines et les planchers intercalaires) aux bâtiments suivants :

(i) les bâtiments dont la superficie est supérieure à 600 m^2 ou la hauteur est supérieure à 3 étages,

(ii) les bâtiments qui servent d'établissement de réunion (groupe A), d'établissement de soins ou de détention (groupe B) ou d'établissement industriel à risques très élevés (groupe F-1, division 1);

b) la rénovation d'appartements accessoires visés ci-après :

(i) leur superficie est supérieure à 600 m^2,

conformance with Part 4 of the Code;

(d) foundation designs requiring soils bearing capacity exceeding 75 kPa;

(e) installations of fire alarm systems, replacement of fire alarm panel and replacement of more than 20 fire alarm devices;

(f) installations of sprinkler systems, changes in classifications as per NFPA 13 or replacement and additions of sprinkler sections with greater than 20 heads;

(g) installations of emergency power supplies that serve life safety systems;

(h) installations of commercial cooking equipment in conformance with the Code;

(i) installations of ventilation units and/or ventilation distribution systems in conformance with the Code in areas greater than 300 m2;

(j) alternate solutions in conformance with the Code;

(k) site servicing and drainage plans in connection with new constructions and additions;

(l) Energy Design in conformance with the Code;

(m) Integrated Fire Protection and Life Safety Systems Testing in conformance with the Code

(ii) l'étendue des travaux vise les séparations coupe-feu, les systèmes de sécurité des personnes, les murs extérieurs, les entrées principales ou les corridors publics;

c) la construction et les modifications qui sont conçues en conformité avec la partie 4 du *Code*;

d) les travaux visant des sols dont le coefficient de capacité portante convient aux fondations conçues pour un coefficient supérieur à 75 kPa;

e) l'installation de systèmes d'alarme-incendie, le remplacement de panneaux d'alarme-incendie et le remplacement de plus de 20 dispositifs d'alarme-incendie;

f) l'installation de systèmes d'extincteurs automatiques à eau, des changements dans le classement régi par la norme NFPA 13 de la *National Fire Protection Association* ou le remplacement ou l'ajout de sections comportant plus de 20 têtes d'extincteur;

g) l'installation d'ensembles d'alimentation de secours qui assurent l'alimentation de systèmes de sécurité des personnes;

h) l'installation d'équipement commercial de cuisine en conformité avec le *Code*;

i) l'installation d'unités de ventilation ou d'installations de ventilation en conformité avec le *Code* dans des espaces d'une superficie supérieure à 300 m^2;

j) les travaux faisant intervenir des solutions de remplacement en conformité avec le *Code*;

k) les plans de viabilisation et de drainage du site afférents aux nouvelles constructions ou aux rajouts;

l) la conception écoénergétique conforme au *Code*;

m) les tests de conformité des systèmes intégrés de protection contre l'incendie et de sécurité des personnes conformes au *Code*.

Additional requirements for single, two unit, and semi-detached dwellings

8(1) Where an application for a permit is made and the work described therein involves new foundation construction for a single unit dwelling, a two-unit dwelling or a semi-detached dwelling, a permit for such construction shall be issued on the condition that the construction of the building shall not proceed beyond the foundation stage unless the Development Officer has received and accepted a Foundation Report Form in accordance with paragraph (2) below, and a pre-backfill inspection has been completed.

8(2) A Foundation Report Form, as described in subsection

Exigences additionnelles applicables aux habitations unifamiliales, bifamiliales et jumelées

8(1) Dans le cas d'une demande de permis visant la construction de fondations pour une habitation unifamiliale, une habitation bifamiliale ou une habitation jumelée, le permis qui est délivré est assujetti à la condition que les travaux de construction ne dépasseront pas le stade des fondations à moins que l'agent d'aménagement n'ait reçu et accepté un état des fondations dressé en conformité avec le paragraphe (2) et qu'une inspection avant remblai ait été effectuée.

8(2) L'état des fondations visé au paragraphe (1) indique ce

(1), shall show:

(a) the geodetic elevation of the lowest point on the top of the front foundation wall;

(b) the geodetic elevation of the lowest point on the top of the side foundation walls;

(c) the geodetic elevation of the lowest point on the top of the rear foundation wall;

(d) where applicable, the geodetic elevation of the lowest point of the edge of the attached garage slab;

(e) the critical elevation of the foundation;

(f) the minimum geodetic basement floor elevation;

(g) the front yard setback, being the shortest distance between the front lot line and the main building;

(h) the side yard setbacks, being the shortest distance between each side lot line and the main building;

(i) where applicable, the flankage yard setback, being the shortest distance between the flankage lot line and the main building;

(j) the rear yard setback, being the shortest distance between the rear lot line and the main building; and

(k) the geodetic elevation of the finished grade of the centreline of the road where it meets the extended centreline of any driveway.

qui suit :

a) la hauteur géodésique du point le plus bas du faîte du mur de fondation avant;

b) la hauteur géodésique du point le plus bas du faîte des murs de fondation latéraux;

c) la hauteur géodésique du point le plus bas du faîte du mur de fondation arrière;

d) la hauteur géodésique du point le plus bas du bord de la dalle du garage attenant, le cas échéant;

e) la hauteur critique des fondations;

f) la hauteur géodésique minimale du plancher du sous-sol;

g) la marge de retrait de la cour avant, soit la distance minimale entre la limite avant du lot et le bâtiment principal;

h) la marge de retrait des cours latérales, soit la distance minimale entre chaque limite latérale et le bâtiment principal;

i) le cas échéant, la marge de retrait de la cour de flanc, soit la distance minimale entre la limite de flanc et le bâtiment principal;

j) la marge de retrait de la cour arrière, soit la distance minimale entre la limite arrière et le bâtiment principal;

k) la hauteur géodésique du niveau établi du sol du chemin à son axe médian, au point où celui-ci croise le prolongement de l'axe médian d'une voie d'accès quelconque.

8(3) When the foundation and lot grading are complete, or within 12 months following the issuance of a building permit, whichever is sooner, the owner shall provide the Development Officer with a surveyor's real property report, which shall include:

(a) the actual building setbacks, being the distances from the outer walls of the foundation to the property boundary lines;

(b) the geodetic elevation of the four corners of the property;

(c) the geodetic elevations of the land where it meets the outer walls of the main building;

(d) the geodetic elevations of the lowest point on the top of each of the foundation walls;

(e) the critical elevation;

(f) the basement floor elevation;

(g) where applicable, the geodetic elevation of the lowest

8(3) Une fois les fondations et le terrassement terminés, ou dans les douze mois suivant la délivrance du permis de construction, selon la première des deux dates à survenir, le propriétaire remet à l'agent d'aménagement un rapport d'arpentage contenant les renseignements suivants :

a) les marges de retrait réelles du bâtiment, soit les distances entre les parois extérieures des fondations et les limites de la propriété;

b) la hauteur géodésique de chacun des quatre coins de la propriété;

c) les hauteurs géodésiques du terrain aux points où celui-ci jouxte les parois extérieures du bâtiment principal;

d) les hauteurs géodésiques du point le plus bas du faîte de chaque mur de fondation;

e) la hauteur critique;

point of the edge of the attached garage slab;

(h) the driveway location and its slope from the property line, and the width of the driveway at the property line and at the required setback line;

(i) the geodetic elevation of the finished grade of the centreline of the road where it meets the extended centreline of any driveway;

(j) location of lot servicing laterals to the site, existing municipal and private service easements, underground electrical, telephone, gas, cable, and all other public utility easements;

(k) any physical features such as accessory buildings and structures, and natural vegetation such as large trees or landscaped gardens;

(l) the location and geodetic elevation of any swales; and

(m) in the case of a development where an engineered solution is required, any and all data points required to confirm that the engineered solution has been fully complied with.

8(4) Where the Foundation Report Form or surveyor's real property report is inconsistent with the site plan referred to in paragraph 6(3)(h) or with the registered drainage plan, except for building location, the owner shall provide an engineered solution.

8(5) A Surveyor's Real Property Report and Foundation Report Form shall be signed by a New Brunswick Land Surveyor licensed to practice in the Province of New Brunswick before being received and considered by the Development Officer.

8(6) The Land Surveyor or Professional Engineer as the case may be, shall certify that:

(a) in the case of a report referred to in subsection (2), the top of the foundation wall elevation(s) is(are) consistent with the foundation wall elevation(s) as shown on the building permit Site Plan to a tolerance of no more than 100 mm above or below the required elevation; and

(b) in the case of a report referred to in subsection (3), the lot grading is consistent with the lot grading as shown on the building permit Site Plan to a tolerance of no more than 150 mm below the required elevation.

8(7) Despite this or any other by-law, an engineered solution is not required when waived by the City Manager or their designate.

f) la hauteur du plancher du sous-sol;

g) la hauteur géodésique du point le plus bas du bord de la dalle du garage attenant, le cas échéant;

h) l'emplacement de la voie d'accès et sa pente à partir de la limite de propriété, ainsi que la largeur de la voie d'accès à la limite de propriété et à la limite de la marge de retrait obligatoire;

i) la hauteur géodésique du niveau établi du sol du chemin à son axe médian, au point où celui-ci croise le prolongement de l'axe médian d'une voie d'accès;

j) l'emplacement sur le lot des conduites secondaires servant à alimenter le site, les servitudes de service existantes – municipales et privées – et toute autre servitude existante pour services publics, relatives notamment à la distribution souterraine de services par les sociétés d'électricité, de téléphone, de gaz ou de câblodistribution;

k) tout élément physique, tels des bâtiments et constructions accessoires, et la végétation naturelle, tels des gros arbres et des jardins paysagés;

l) l'emplacement et la hauteur géodésique de baissières, le cas échéant;

m) dans le cas d'un aménagement où une solution technique est requise, toutes les données nécessaires pour confirmer la conformité à la solution technique.

8(4) Lorsque l'état des fondations ou le rapport d'arpentage s'avère incompatible avec le plan de situation visé à l'alinéa 6(3)h) ou avec le plan de drainage enregistré, sauf pour ce qui est de l'emplacement du bâtiment, le propriétaire doit fournir une solution technique.

8(5) Avant leur remise à l'agent d'aménagement et leur examen par lui, le rapport d'arpentage et l'état des fondations sont signés par un arpenteur-géomètre du Nouveau-Brunswick habilité à exercer au Nouveau-Brunswick.

8(6) L'arpenteur-géomètre ou un ingénieur, selon le cas, certifie ce qui suit :

a) s'agissant du rapport visé au paragraphe (2), que la hauteur du faîte des murs de fondation correspond à celle figurant dans le plan de situation qui accompagne le permis de construction, à 100 mm près;

b) s'agissant du rapport prévu au paragraphe (3), que le niveau du sol du lot correspond à celui figurant dans le plan de situation qui accompagne le permis de construction, à 150 mm près.

8(7) Malgré le présent arrêté ou tout autre arrêté, aucune solution

Issuance of Permit

9(1) Upon receipt of a complete application pursuant to section 6, the building inspector shall, within a reasonable time, issue a permit, provided that:

(*a*) the proposed work complies with this and all other applicable by-laws; and

(*b*) the Development Officer has approved the work pursuant to subsection 108(1) of the *Community Planning Act*.

9(2) A permit referred to in subsection (1) may be issued for:

(*a*) the foundation of a building or structure;
(*b*) the foundation and structural components of a building or structure; or
(c) the remaining work to complete a building or structure where construction is already being undertaken under a phased permit issued under this section.

9(3) A permit issued pursuant to this By-Law shall be valid for a period of one year from issuance, after which time the permit shall be deemed null and void, unless it is renewed by the building inspector.

9(4) The issuance of a permit, the review of drawings and specifications, or inspections of the work made by the building inspector during construction, shall not relieve the permit holder from full responsibility for carrying out the work in accordance with the requirements of the Act, this By-Law, the *Code* and all other applicable laws.

Revocation of Permit

10(1) A permit issued pursuant to section 9 shall be revoked by the building inspector if the work described in the permit is:

(a) contrary to the specifications or drawings contained in the application, the Act or the *Code*, and the owner, upon being given notice by the building inspector, fails to make the necessary changes within the time prescribed; or

(b) contrary to this By-Law or any other applicable City by-law.

10(2) Where a permit is revoked pursuant to subsection 1, the City shall retain all permit application fees.

10(3) Where an application for a permit is withdrawn, or is not completed within 6 months and such application is not extended by the building inspector, and in either case no work has been

technique n'est requise si elle n'est pas exigée par le directeur municipal, ou son représentant.

Délivrance du Permis

9(1) Saisi d'une demande de permis qui est conforme à l'article 6, l'inspecteur des bâtiments délivre le permis dans un délai raisonnable, si les conditions suivantes sont réunies :

a) les travaux envisagés sont conformes au présent arrêté et à tous les autres arrêtés qui s'appliquent;

b) l'agent d'aménagement a approuvé les travaux conformément au paragraphe 108(1) de la *Loi sur l'urbanisme*.

9(2) Le permis visé au paragraphe (1) peut être délivré à l'égard de ce qui suit :

a) la fondation d'un bâtiment ou d'une construction;

b) la fondation et les composants structurels d'un bâtiment ou d'une construction;

c) les travaux qui restent pour achever un bâtiment ou une construction, lorsque les travaux de construction sont déjà entamés en vertu d'un permis de construction visant des travaux à être effectués par étapes en vertu du présent article.

9(3) Le permis délivré en vertu du présent arrêté est valide pour un an à partir de la date de sa délivrance, après quoi il est réputé nul à moins d'avoir été renouvelé par l'inspecteur des bâtiments.

9(4) La délivrance d'un permis, l'examen des dessins et devis ou les inspections des travaux effectuées par l'inspecteur des bâtiments pendant l'exécution des travaux de construction ne dégagent en rien le titulaire du permis de l'entière responsabilité pour l'exécution des travaux dans le respect de la *Loi*, du présent arrêté, du *Code* et des autres textes législatifs qui s'appliquent.

Révocation du Permis

10 (1) Le permis délivré en vertu de l'article 9 est révoqué par l'inspecteur des bâtiments lorsque les travaux y prévus, selon le cas :

a) ne sont pas conformes aux devis ou dessins que contient la demande de permis, à la *Loi* ou au *Code*, et le propriétaire, sommé par l'inspecteur des bâtiments, omet de corriger la situation dans les délais impartis; ou

b) contreviennent au présent arrêté ou à tout autre arrêté municipal applicable.

10(2) Lorsqu'un permis est révoqué en application du paragraphe 10(1), la ville retient les droits de demande de permis.

10(3) Lorsqu'une demande de permis est retirée ou qu'elle n'est pas complétée dans les six mois qui suivent sa présentation

commenced, the City shall retain 50% of the application fees up to a maximum of $1,000.00.

10(4) Where an issued building permit is withdrawn by the permit holder, and no work has commenced nor has the building permit expired, the City shall retain 50% of the application fees up to a maximum of $1,000.00.

Duties of the Permit holder

11(1) Every permit holder shall:

(a) give notice to the building inspector of completion of the work described in the building permit within 10 days of such completion;

(b) subject to (c), give 2 business days' notice and make all arrangements to allow for the building inspector to carry out at least one inspection at each of the following stages of construction:

(i) on the completion of the footings and foundations, but before the commencement of any backfilling;

(ii) on substantial completion of structural framing; and

(iii) on completion of construction or before occupation of the building;

(c) where section 8 applies, give 2 business days' notice and make all arrangements to allow for the building inspector to carry out a minimum of four inspections of the work, where applicable, as follows:

(i) a "pre-backfill" inspection consisting of a foundation inspection prior to any backfilling;

(ii) a framing inspection on structural components, building services, air barrier, doors and windows;

(iii) a "pre-drywall" inspection of insulation and vapour barrier prior to the installation of wall and ceiling finish; and

(iv) a "final" pre-occupancy inspection;

(d) for the purposes of paragraph (c), require written approval from the building inspector after each inspection, prior to proceeding with each new phase of construction;

(e) keep posted in a conspicuous place on the property in respect of which the permit was issued a copy of the permit;

initiale, que l'inspecteur des bâtiments n'accorde aucune prolongation et que les travaux n'ont pas débuté, la ville retient 50 % des droits de demande, jusqu'à concurrence de 1 000 $.

10(4) Lorsqu'un permis de construction qui a été délivré est retiré par le titulaire de permis avant le début des travaux ou l'expiration du permis, la Ville retient 50 % des droits de demande, jusqu'à concurrence de 1 000 $.

Obligations du titulaire de Permis

11(1) Tout titulaire de permis :

a) donne à l'inspecteur des bâtiments avis de l'achèvement des travaux visés par le permis de construction dans les 10 jours qui suivent leur achèvement;

b) sous réserve de l'alinéa c), donne un préavis de deux jours ouvrables et fait le nécessaire pour permettre à l'inspecteur des bâtiments d'effectuer au moins une inspection à chacune des étapes suivantes de la construction :

(i) à l'achèvement des semelles de répartition des charges et des fondations, mais avant le début des travaux de remblai,

(ii) à l'achèvement substantiel de l'ossature portante,

(iii) à l'achèvement des travaux de construction ou avant l'occupation du bâtiment;

c) lorsque l'article 8 s'applique, donne un préavis de deux jours ouvrables et fait le nécessaire pour permettre à l'inspecteur des bâtiments d'effectuer au moins les quatre inspections suivantes, le cas échéant :

i) une inspection « avant remblai », soit l'inspection des fondations avant le remblayage,

ii) une inspection des composants structurels de la charpente, des installations techniques, du pare-aire, des portes et des fenêtres,

iii) une inspection « avant cloisons sèches » de l'isolant et du pare-vapeur qui précède la pose des murs et la finition du plafond,

iv) une inspection « finale » avant occupation;

d) pour l'application de l'alinéa c), ne procède au prochain stade de construction après chaque inspection que lorsque l'inspecteur des bâtiments a fourni son approbation par écrit;

(f) keep a copy of the approved drawings and specifications referred to in subsection 6(3) and subsection 7(1) on the property in respect of which the permit was issued;

(g) be responsible for the cost of repairing any damage that may occur to City owned property as a result of undertaking the work described in the permit;

(h) where the permit holder amends or changes any information provided in an application pursuant to sections 6 and 7, immediately file said amendment or change with the building inspector, which amendment or change is subject to the approval process provided in section 9;

(i) where section 8 applies, ensure that mechanical ventilation systems are designed, installed and balanced by a qualified mechanical contractor, and a ventilation record shall be submitted upon completion.

e) affiche en tout temps et bien en vue une copie du permis sur la propriété objet du permis;

f) conserve un exemplaire des dessins et devis approuvés que visent les paragraphes 6(3) et 7(1) sur la propriété objet du permis;

g) est tenu des frais de réparation de tout dommage causé aux biens de la municipalité par suite des travaux objet du permis;

h) lorsqu'il modifie ou change tous renseignements fournis dans une demande présentée conformément aux articles 6 et 7, dépose immédiatement les modifications ou changements auprès de l'inspecteur des bâtiments, ces modifications ou changements étant assujettis à l'approbation prévue à l'article 9;

i) dans les cas où l'article 8 s'applique, veille à ce que les installations de ventilation mécanique soient conçues, posées et équilibrées par un entrepreneur en installations mécaniques autorisé et qu'un rapport sur la ventilation soit présenté après achèvement.

Open foundations and excavations

12 The owner of a property upon which an open foundation or excavation exists as the result of demolition or destruction of a building, when new construction is not to proceed without delay, shall forthwith backfill such open foundation or excavation to grade or, when new construction is to proceed without delay, shall forthwith erect in a neat and professional manner a wall constructed of good materials, without openings, at least 1.8 metres in height, around the perimeter of such open foundation or excavation, and shall maintain the same so as not to become dilapidated or unsightly until construction has proceeded to a stage where the open foundation or excavation is no longer a danger.

Fondations et excavations ouvertes

12 Le propriétaire d'un bien-fonds renfermant des fondations ou une excavation laissées ouvertes par suite de la démolition ou de la destruction d'un bâtiment doit, si des travaux de construction ne sont pas entrepris sans délai, remblayer sur-le-champ les fondations ou l'excavation laissées ouvertes jusqu'au niveau moyen du sol; dans le cas contraire, il doit ériger sans délai, de manière soignée et dans les règles de l'art, un mur fait de bons matériaux, sans ouvertures, d'une hauteur minimale de 1,8 mètre autour du périmètre des fondations ou de l'excavation laissées ouvertes, et entretenir ce mur pour l'empêcher de devenir délabré ou inesthétique tant que les fondations ou l'excavation laissées ouvertes constituent un danger

Plans, specifications and documentation

13(1) Any plan, specification and documentation provided to the City in accordance with the *Act*, the Code and this By-Law, including but not limited to, a site plan, a surveyor's real property report, or an engineered solution, become the property of the City, and shall be retained, shared, disclosed or disposed of in accordance with *the Right to Information and Protection of Privacy Act*, R.S.N.B., 2009, c. R-10.6, and any other applicable legislation or regulation.

13(2) The building inspector may reject a plan, a specification or any documentation which does not comply with subsection 1 of this By-Law, and demand that such plan, specification or documentation comply with subsection 1 before they are accepted by the City.

Plan, devis, dessins et documents

13(1) Les plans, devis, dessins et documents fourni à la Ville conformément à la *Loi*, au présent arrêté et au *Code*, y compris notamment un plan de situation, un rapport d'arpentage et une solution technique, deviennent la propriété de la Ville et seront conservés, partagés, communiqués ou aliénés en conformité avec la *Loi sur le droit à l'information et la protection de la vie privée*, L.N.-B. 2009, ch. R-10.6, et toute autre loi ou tout règlement applicable.

13(2) L'inspecteur des bâtiments peut rejeter un plan, un devis, un dessin ou un document qui n'est pas conforme au paragraphe (1) et prescrire que le plan, le devis, le dessin ou le document soit conforme au paragraphe (1) avant d'être acceptés par la Ville.

Implementation and Enforcement

Mise en œuvre et application

14(1) For the purposes of this section, "building inspector" shall carry the meaning as defined in the Act.

14(2) Every person duly appointed by Council as a building inspector is hereby authorized to carry out any inspection that is necessary for the administration or enforcement of this By-Law.

14(3) Any building inspector is hereby authorized to take such actions, exercise such powers and perform such duties, as may be set out in the Act, its regulations, in the Code, or in the *Local Governance Act*, and as they may deem to be necessary to carry out, implement or enforce any provisions of this By-Law.

Fees

15(1) Fees shall include the total estimated cost of all proposed work, excluding design fees and site development costs.

15(2) Detailed cost estimates shall be provided for all projects except single unit, two unit and semi-detached dwellings.

15(3) The fee for a building permit shall be the greater of $25.00 or such amount per $1,000 or part thereof, as determined by Council and described in the *Fees and Charges By-Law*, of the total estimated costs of the proposed work.

15 (4) The fee for a property file search shall be in such amount as determined by Council and described in the *Fees and Charges By-Law*.

15(5) The fee for a demolition permit shall be in such amount as determined by Council and described in the *Fees and Charges By-Law.*

15(6) The fee for a tent or air supported structure shall be in such amount as determined by Council and described in the *Fees and Charges By-Law*.

15(7) Despite anything contained in this By-Law, a permit application for work to be carried out by or on behalf of the City shall be exempt from the requirements of this section.

15(8) Despite anything contained in this By-Law, a permit application for work to be carried out, in which the City contributes a significant amount of resources and in which the City is a main contributor may, upon Council approval, be exempt from the requirements of this section.

15(9) Despite anything contained in this By-Law, where an application for a permit has been made after work has begun, the fee therefore shall be two times that provided for in this By-Law.

14(1) Pour l'application du présent article, « inspecteur en bâtiment » s'entend au sens défini dans la *Loi*.

14(2) Les personnes régulièrement nommées inspecteurs en bâtiment par le conseil municipal sont autorisées à réaliser les inspections nécessaires à l'administration ou à l'application du présent arrêté.

14(3) Les inspecteurs en bâtiment sont habilités à prendre les mesures et à exercer les pouvoirs et les fonctions énoncés dans la *Loi* et ses règlements d'application, le *Code* et la *Loi sur la gouvernance locale*, selon qu'ils l'estimeront nécessaire à la mise en œuvre ou à l'application des dispositions du présent arrêté.

Droits

15(1) Les droits sont fixés en fonction du coût estimatif total de l'ensemble des travaux envisagés, à l'exclusion des frais de conception et des coûts afférents à l'aménagement du terrain.

15(2) Une estimation des coûts détaillée doit être remise pour tous les projets sauf les habitations unifamiliales, bifamiliales et jumelées.

15(3) Le droit de permis de construction correspond à 25 $ ou au montant, par tranche de 1 000 $ du coût estimatif total des travaux envisagés, fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances*, le montant le plus élevé s'appliquant.

15(4) Le droit de recherche dans un dossier afférent à un terrain correspond au montant fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances.*

15(5) Le droit de permis de démolition correspond au montant fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances.*

15(6) Le droit de permis afférent à une tente ou à une structure gonflable correspond au montant fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances.*

15(7) Malgré toute autre disposition du présent arrêté, une demande de permis visant des travaux envisagés à être effectués par la Ville ou pour son compte sera dispensée des exigences du présent article.

15(8) Malgré toute autre disposition du présent arrêté, une demande de permis visant des travaux envisagés à être effectués pour lesquels la Ville contribue un montant significatif de ressources et pour lesquels la Ville est un contributeur principal, pourra, sujet à l'approbation du conseil municipal, être dispensée des exigences du présent article.

15(9) Malgré toute autre disposition du présent arrêté, le droit de demande de permis visant des travaux qui ont été entamés

avant la présentation de la demande correspond au double du droit prévu dans le présent arrêté.

Severability

16 Where a Court of competent jurisdiction declares any section or part of a section of this By-Law invalid, the remainder of this By-Law shall continue in force unless the Court makes an order to the contrary.

Divisibilité

16 Lorsque tout ou partie d'une disposition du présent arrêté est déclarée invalide par un tribunal compétent, le reste du présent arrêté demeure en vigueur, sauf ordonnance contraire du tribunal.

Repeal Provisions

17 A By-Law entitled "A BY-LAW RELATING TO BUILDINGS IN THE CITY OF MONCTON", being by-law # Z-419, ordained and passed on May 6, 2019, and all amendments thereto, is hereby repealed.

Abrogation

17 Est abrogé l'arrêté intitulé *Arrêté de construction de la ville de Moncton*, soit l'arrêté n° Z-419, fait et adopté le 6 mai 2019, ensemble ses modifications.

Previous Approvals

18 Despite the repeal of By-law Z-419:

(a) nothing in this By-Law will prevent the work for which a permit was issued prior to the coming into force of this By-Law, but time limits associated with the permit continue to apply;

(b) applications for permits submitted prior to the coming into force of this By-Law shall be dealt with under the provisions of By-Law Z-419.

Autorisations préalables

18 Malgré l'abrogation de l'arrêté Z-419 :

a) le présent arrêté n'a pas pour effet d'empêcher des travaux pour lesquels un permis a été délivré avant son entrée en vigueur, mais les délais afférents au permis continuent à s'appliquer;

b) les demandes de permis présentées avant l'entrée en vigueur du présent arrêté seront traitées sous le régime de l'arrêté Z-419.

Application to annexed areas

19 This By-law shall apply to all areas of the City that are annexed to it as a result of the restructuring of the City.

Application aux régions annexées

19 Le présent arrêté s'appliquent aux régions de la Ville qui y sont annexées du fait de la restructuration de la Ville.

MADE AND PASSED_____.

First Reading:
Second Reading:
Third Reading:

PRIS ET ADOPTÉ _____.

Première lecture :
Deuxième lecture :
Troisième lecture :

_____
Mayor/Maire

_____
City Clerk/Greffière

CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Elaine Aucoin, Sustainable Growth and Development Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	Tentative Plan of Amending Magnetic Hill Estates Unit 10
Presenters / Présentateurs	Bill Budd, Director Planning and Development

Item/Point	7.3
Time allocation/ Temps prévu	15 minutes
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

The proposed subdivision requires the approval of Council creating new public streets as per section 88 of the Community Planning Act.

BACKGROUND / CONTEXTE

Tentative Plan Proposal:
The purpose of the Tentative Subdivision Plan is:

- To create 51 new lots for development purposes,
- To create an extension of rue Belfry Street (public),
- To create a new public street – cour Flanagan Court (public);
- To create lot 22-1000 for storm water retention purposes; and,
- To create five (5) metre wide Public Utility Easements along the proposed streets

Existing Environmental Site Conditions:

The overall property contains two (2) delineated wetlands. The smaller of the two wetlands is one (1) hectare in size and fully contained on the site and is not considered a protected wetland by the Province of New Brunswick and thus does not require compensation or permits for construction impacts. The second and larger wetland is 3.7 hectares in size and straddles both the subject property and adjoining City of Moncton lands. As such by definition under the Provincial Department of Environment and Local Government is considered a protected wetland. It should be noted that 0.7 hectares of this protected wetland is being impacted by this proposed subdivision. The remaining 3.0 hectares is located on City of Moncton property and zoned as P1 Community Use (land for pubic purpose).

In December of 2021, the applicant, Mr. LeBlanc, submitted a request to the Provincial Department of Environment and Local Government to develop a residential subdivision over the 1 hectare wetland and impacting 0.7 hectares of the 3.7 hectares wetland. The applicant had to complete an Environmental Impact Assessment (EIA) as part of this process. City administration were consulted as part of the EIA review process and were able to provide input to the Provincial Department of Environment and Local Government prior to their decision (EIA Registration Document is attached).

As part of the EIA process, Wetland compensation shall be carried out in accordance with the Wetland Compensation General Guidance (see attached). The proponent has two options when getting the compensation work completed:

1. They can find a suitable site for compensation, prepare a proposal for the compensation project, and submit it to the department of Environment and Local Government for approval, or
2. They can hire a Wetland Compensation Consultant who will work with them on the

site selection and compensation project. Ducks Unlimited is one such consultant.

Compensation projects may occur anywhere within the province; however, there is an expanding priority of location from the: existing site, within the same watershed, within the ecodistrict, within the ecoregion and then finally within the Province that this compensation would occur.

There are three options within the guide used for the compensation process:

1. Restore – this is the preferred method for compensation; however, the portion of the wetland to be restored must have a landowner agreement. Most landowners within city limits do not want to lose developable land to expand wetlands on their properties. So, this often pushes wetland compensation outside the city limits and into areas with less developable land mass.

2. Enhance existing wetlands – enhancement of existing wetlands can include anything from trail signage, but generally does not make up for the loss of wetland. It also requires landowner approval. Ducks Unlimited is currently exploring possibilities of enhancing nearby wetlands. As this is a complex lengthy process requiring at least two (2) years for suitable site selection, as well as getting landowner agreements in place and Environment and Local Government approvals, it is too preliminary to indicate which wetlands may be considered for enhancement.

3. Create Wetland elsewhere – compensation, it should be noted, is completed at a 2:1 ratio. This means for every hectare of wetland impacted, two (2) new hectares are created elsewhere. With the required 2:1 ratio for wetland compensation it often forces said compensation to occur outside the city limit.

As an example, as a result of the Tower Road dam construction project, the City had to deliver 108 hectares of wetland compensation projects. The City worked with Ducks Unlimited to deliver the wetland compensation plan which included the construction of an engineered wetland at the Berry Mills snow dump to filter snowmelt runoff as well as nine other restauration projects located within a 50km radius.

Wetland compensation projects are required to be completed in two years. This gives time for a compensation plan to be developed, get approved by the Provincial review board, and to obtain landowner permission.

EIA Registration Document (see attached)

The EIA registration document was completed in 2021 by Hive Engineering on behalf of the applicant. The site has been impacted by residential development from the surrounding area. Of note only 0.7 hectares of this wetland is being impacted by this proposed subdivision. With respect to both Flora (vegetation) and Fauna (wildlife) the following was found from the onsite assessment:

- The report notes that no at-risk species of vegetation were located on the site.
- A habitat assessment was conducted on the site. No at-risk wildlife species were found.

However, any further impact to wildlife (predominately birds) in the area would have to occur outside nesting/breeding times for any bird species in the area. The nesting period would occur from mid-April to Late August. Other species of Fauna within five kilometers of the area were not found to occur on site, due primarily to the wetlands non-contiguous nature, and lack of aquatic habitat.

The applicant has been issued a Certificate of Determination by the Minister of Environment and Local Government. The determination was approved on October 3, 2022. The Certificate of Determination included 16 conditions that the property owner must satisfy (see attached copy of the Certificate of Determination).

As per condition #12 of the Certificate of Determination, prior to any activity on the site, the subdivision development plans, including drainage plans, will need to be reviewed and approved by the City of Moncton as per the standard development review process.

While it is undesirable to impact wetlands, in some cases, where wetlands are located within an urban area, a balance must be achieved to promote a compact urban landscape and assist in the limitation of sprawl. This area being developed has development occurring around its borders. In this case, 3 hectares of the existing provincially regulated wetland will be protected while the smaller wetland will be infilled.

Proposed Lots:

The plan creates a total of 51 R2 – (Two Unit Dwelling) lots. The lots range in size from 651 square meters to 2171 square metres. Lot 22-1000 is being created for a retention pond. With the development of the wetland area, the developer can net approximately an additional 45 building lots.

Proposed Street Layout:

Belfry Street will be built to an Urban Local Primary (ULP, see DRAWING no SD 2A) street classification, while Flanagan Court will be built to an Urban Local Minor (ULM, see DRAWING no SD 1) street classification.

The Urban Local Primary Street standard of road has a sidewalk along one side of the street.

These proposed streets will be treed as per requirements of the subdivision guidelines with trees planted approximately every 10 metres.

Active and Public Transportation

The proposed subdivision is west of the Northwest trail system, while the nearest bus stop is on Muirfield Drive, 180 metre walk.

Land for Public Purposes/Cash in Lieu Requirement

As a condition of approval of the Subdivision Plan, land in the amount of 10% of the area of the subdivision, exclusive of public street, at such location as assented to is to be set aside as “Land for Public Purposes” (LfPP).

Council may require, in lieu of land, a sum of money to be paid to the municipality in the amount of eight percent (8%) of the market value of the land in the proposed subdivision at the time of submission for approval of the subdivision plan, exclusive of streets intended to be publicly owned.

The proposed subdivision is subject to the above requirement. In consultation with the Recreation Department, it is noted that the Recreation Master Plan and Trail requirements have already been met, therefore there are no LfPP requirements for this development. The recommendation of the Recreation Department and Planning and Development Department is that Council require cash in lieu of Land for Public Purposes.

Babineau Appraisals has established a market value on the subject property of $506,500.00 to yield at 8% the sum of $40,520.00 Cash in Lieu of Land for Public Purposes. The proponent agrees with the proposed value.

Charge Area By-Law:

The proposed subdivision falls within the Jonathan Creek Trunk Sewer Charge Area. This charge area was created with the installation of a Sanitary Trunk sewer in 2004.

As part of this charge area all landowners subdividing their properties shall contribute towards the costs of the installed sanitary trunk sewer infrastructure. As such the Jonathan Creek Trunk Sewer Charge value has been calculated to be $38,470.00.

Street Name Usage

In accordance with Council’s Naming Policy for Streets, Trails and Civic Facilities (POL-CSS-UP-001), all proposed names to be added or retired from the Moncton Name Bank and the proposed names of all public streets, trails and civic facilities shall be forwarded to Moncton City Council for approval.

The Staff Name Bank Technical Group consist of staff from the following department, Planning and Development, Tourism and Culture, Corporate Communications, Information Systems, Parks & Leisure Services and Engineering.

Selecting a Name from the Name Bank

- The names of streets shall be chosen from the Name Bank, unless otherwise authorized by City Council.
- A developer proposing a subdivision containing 2 or more local minor streets, may be exempted from choosing a street name from the Name Bank for not more than 50% of the local minor streets.
- Developers and landowners are encouraged to nominate a preferred name or names to the Moncton Name Bank. Names submitted for a particular development and accepted by City Council, if requested in writing, will be reserved for use for the development for a period of ten years.
- Developers and landowners are encouraged to consider the use of a theme throughout a particular neighborhood area. In accordance with Section 5(4), City Council may direct that proposed names be reserved for a Particular location or part of the city for future use by the developer.
- Staff will review the names chosen for the new streets both for their linguistic makeup and to ensure they comply with NB 911 requirements

Based on the current policies, it is the City's goal to approve the use of names such that the following ratios regarding language are achieved on a yearly basis:

45% English;
45% French; and
10% other languages

Since the new policy was adopted in 2015, a total of 46 names have been selected utilizing the following languages:

14 - (30.43%) English names;
26 - (56.52%) French names;
5 - (10.87%) other; and
1 - (2.17%) Bilingual

Administration tries to achieve a linguistic balance as per the policy objectives outlined above. The naming of assets carries a risk in that some members of the community may not agree with the names recommended by Administration or chosen by City Council. As a result, an effort is made to follow the policy consistently and ensure that appropriate names representing a fair balance of linguistic, cultural, geographical, heritage and other themes are recommended to Council.

The developer has chosen the following street name to honor a long-time surveying consultant; Flanagan – Named after Shane Flanagan, a surveyor with WSP, he was heavily involved in several large city shaping projects, Royal Oaks, Mountain Woods Estates, Liberty Hill Estates and Pebble Creek Estates. Permission from his family was granted to use his name.

Please see full write up, attached, by his colleague and friend Arthur Kenny of WSP.

RECOMMENDATION / RECOMMANDATION

The Planning Advisory Committee recommends that Moncton City Council:

- **Assent** to the extension of rue Belfry Street (public),
- **Assent** to the location of the street – cour Flanagan Court (public),
- **Require** payment of Cash in Lieu of Land for Public Purposes in the amount of $40,520.00, and;
- **Require** payment of the Jonathan Creek Trunk Sewer Charge Area in the amount of $38,470.00.

Subject to the following conditions:

- Streets and Services to be designed and acceptable to the Engineering Department and constructed in accordance with the Subdivision Development, Procedures, Standards and Guidelines.

ALTERNATIVES / AUTRES OPTIONS

- That Council postpone the request for additional information
- That Council not support the request

RISK ANALYSIS/ANALYSE DE RISQUES
N/A

CONSIDERATIONS / ENJEUX

Legal / Juridiques

Subdivision and Drainage agreements will be required

Policy / Politiques / Plans

Meets with the intent of the Municipal Plan

Financial / Financiers

New subdivisions create assessment growth for the City but also requires expenditures to support that new area.

Financial details are included in the content of the Council Report Form.

Impact on Resources / Impact sur les ressources

N/A

Environment / Environnement

As per condition 8 of the Certificate of Determination, any wetlands that have been permanently impacted shall have a compensation ratio of 2:1. The proponent can locate a suitable wetland compensation site, prepare a wetland compensation project proposal and submit it to the Department of Environment and Local Government for approval, the proponent can contract a Wetland Compensation Consultant who may have prearranged and approved wetland compensation projects to provide compensation on their behalf.

Street trees will also be planted along the street right of way every 10 metres.

Strategic Plan / Plan stratégique

☐ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☐ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☐ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

The proposed development helps to meet several objectives and policies of Plan Moncton Municipal Plan, which is a Strategic Planning document that is included as a support for the

pillars of the Strategic Plan.

Attachments / Annexes

- Maps Magnetic Hill Unit 10
- Tentative Plan of Amending Magnetic Hill Estates Unit 10
- EIA Registration Document
- Wetland Compensation General Guidance
- Provincial Department of Environment Certificate of Determination
- Drawing no SD 1
- Drawing no SD2A
- Street Name Request - Flanagan Court
- Magnetic_Hill_Estates_Presentation

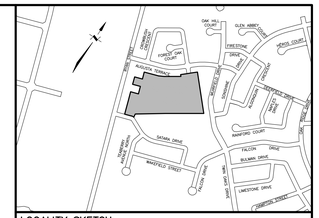
Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

Planning & Development, Recreation, Engineering, Environmental Planning and Management, Community Safety and Fire Department, Codiac Transpo, Parks and Leisure Services, Information Systems, Public Works, Legal Departments, New Brunswick Department of Transportation and Infrastructure and New Brunswick Power, New Brunswick Department of Environment and Local Government.

Communication and Official Languages Implications / Communications et langues officielles

N/A

APPROVALS



LOCALITY SKETCH

LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SURVEY SYSTEM COORDINATE MONUMENT		FOUND	F.&
STANDARD SURVEY MARKER PLACED		CALCULATED	(c)
STANDARD SURVEY MARKER FOUND		REGISTERED	Reg.
CALCULATED COORDINATE POINT		DERIVED FROM A SOURCE OTHER THAN THE SURVEYOR'S MEASUREMENTS	(d)
TABULATED COORDINATE REFERENCE		NBLS REGISTRATION NUMBER	#364
SCRIBED WOODEN SURVEY POST		SQUARE METRE(S)	m²
WOODEN SURVEY POST		MILLIMETER(S)	mm
SQUARE IRON BAR FOUND		HECTARE	ha
IRON PIPE FOUND		RADIUS	R
ROUND IRON BAR FOUND		DIAMETER	ø
BOREHOLE / TESTPIT		NEW BRUNSWICK LAND SURVEYOR	NBLS
WATER VALVE / FIRE HYDRANT		ELEVATION	ELEV.
CATCH BASIN		INVERT	INV.
CURB MOUNTED CATCH BASIN		FENCE	
SQUARE CATCH BASIN		OVERHEAD LINE(S)	
SLUICE BOX		CENTRELINE	
MANHOLE		UNDERGROUND LINE(S)	
UTILITY POLE / GUY		CURB	
CULVERT		TOP OF ROCK	
LIGHT STANDARD		BOTTOM OF ROCK	
TREE(S)	OR	TOP OF SLOPE	
		BOTTOM OF SLOPE	
WELL		WATER LINE	
SIGN		TREELINE	
PAINTED LINE		SANITARY SEWER LINE	
LANDS DEALT WITH BY THIS PLAN	OR	STORM SEWER LINE	
		ORDINARY HIGH WATER MARK	

UTILITIES APPROVAL

PURSUANT TO SECTION 5 OF "DESIGNATED EASEMENTS REGULATION" 84-217, THE PUBLIC UTILITY EASEMENT(S) ON THIS PLAN VEST(S) IN NEW BRUNSWICK POWER CORPORATION AND BELL CANADA, WITH THE FILING OF THIS PLAN.

DATED
NEW BRUNSWICK POWER CORPORATION

DATED
BELL CANADA

DOCUMENT

PURSUANT TO SECTION 88(6)(b) OF THE COMMUNITY PLANNING ACT, 2017, c.19, THE FUTURE STREET(s) SHOWN ON PLAN 37945491 VESTED IN THE CITY OF MONCTON WITH THE FILING OF SAID PLAN.

OWNER'S STATEMENT

WE, THE UNDERSIGNED, DO HEREBY CERTIFY THAT WE REPRESENT THE REGISTERED OWNERS OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN.

DAWN ARNOLD (MAYOR)
FOR: THE CITY OF MONCTON

BARBARA QUIGLEY (CITY CLERK)
FOR: THE CITY OF MONCTON

OWNER'S STATEMENT

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT I REPRESENT THE REGISTERED OWNER OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN.

ROBERT LEBLANC – PRESIDENT
FOR ROBALY HOMES INC.

DOCUMENTS

PIDs 939744 AND 70181318
IMMEUBLES PERFECTION / PERFECTION REALTY INC. TO ROBALY HOMES INC.
DATED 2018-06-15
REGISTERED 2018-06-15
TRANSFER NUMBER 38093200

CROs DATED:

PURPOSE OF PLAN

-TO AMEND FUTURE STREET, PLAN 37945491.
-TO CREATE LOTS 22-1 TO 22-51 FOR RESIDENTIAL BUILDING PURPOSES.
-TO CREATE LOT 22-1000, TO BE CONVEYED TO THE CITY OF MONCTON.
-TO CREATE RUE BELFRY STREET (PUBLIC) AND COUR FLANAGAN COURT (PUBLIC), AS PURSUANT TO 88(6)(a) OF THE COMMUNITY PLANNING ACT, 2017.
-TO CREATE PUBLIC UTILITY EASEMENTS (P.U.E.) SHOWN THUS _ _ _ _, PURSUANT TO SECTION 5, REGULATION 84-217, OF THE COMMNITY PLANNING ACT.

NOTES

-DIRECTIONS ARE N.B. GRID AZIMUTHS DERIVED FROM THE SERVICE NEW BRUNSWICK'S HIGH PRECISION NETWORK ACTIVE CONTROL SYSTEM.
-THE SCALE FACTOR USED WAS 1.000014.
-THE DOCUMENT NUMBERS REFERRED TO ON THIS PLAN ARE THOSE OF THE COUNTY REGISTRY OFFICE.
-ADJACENT OWNER INFORMATION OBTAINED FROM SNB RECORDS.
-AS USED HEREIN, THE WORD CERTIFY SHALL MEAN AN EXPRESSION OF THE CONSULTANT'S PROFESSIONAL OPINION TO THE BEST OF IT'S INFORMATION, KNOWLEDGE AND BELIEF, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE BY THE CONSULTANT.
-ALL DISTANCES SHOWN ARE CALCULATED GRID DISTANCES.
-CERTIFICATION IS NOT MADE AS TO LEGAL TITLE, BEING THE DOMAIN OF A LAWYER, NOR TO THE ZONING & SETBACK BY-LAWS OR REGULATIONS, BEING THE DOMAIN OF A DEVELOPMENT OFFICER.
-CERTIFICATION IS NOT MADE AS TO COVENANTS SET OUT IN THE DOCUMENT(S) AND THE LOCATION OF ANY UNDERGROUND SERVICES AND/OR FIXTURES, PERMANENT OR OTHERWISE.
-FIELD SURVEY WAS COMPLETED AUGUST 19, 2020.

UNIT #10
AMENDING SUBDIVISION PLAN:

MAGNETIC HILL ESTATES SUBDIVISION

AMENDING LIBERTY HILL SUBDIVISION UNIT 5, PHASE 2 PLAN 37945491
SITUATED ON THE NORTH SIDE OF PROMENADE SATARA DRIVE,
CITY OF MONCTON, PARISH OF MONCTON,
COUNTY OF WESTMORLAND, PROVINCE OF NEW BRUNSWICK

SCALE 1:500 (metres: 10 5 0 15 20 30 40)

wsp
1070 ST. GEORGE BOULEVARD, SUITE 160
MONCTON, NEW BRUNSWICK
E1E 4C9
PHONE: 506 857-1675
WWW.WSP.COM

SURVEYOR'S STATEMENT

I HEREBY CERTIFY THAT THIS PLAN IS CORRECT.

NEW BRUNSWICK LAND SURVEYOR #381 BRANDON M. LEBLANC
SIGNATURE
2022-04-07
DATE
SIGNED IN MONCTON, NEW BRUNSWICK

TENTATIVE

VALIDATION SEAL

A.N.B.L.S. No. – AA-G-N-B

DRAWN:	NJB	FIELD:	SGD
CHECKED:	–		
JOB:	201-08268	CAD:	201-08268-603
ZONE:	14T-86		

wsp NO ONE MAY COPY, REPRODUCE, DISTRIBUTE, OR SELL THIS PLAN WITHOUT THE PERMISSION OF © 2020 WSP CANADA INC.

CERTIFICATE OF DETERMINATION
CERTIFICAT DE DÉCISION

NEW BRUNSWICK ENVIRONMENTAL IMPACT ASSESSMENT REGULATION
RÈGLEMENT SUR LES ÉTUDES D'IMPACT SUR L'ENVIRONNEMENT DU NOUVEAU-BRUNSWICK

File Number / *Numéro du dossier*: 011003

This Certificate of Determination to **PROCEED** is hereby issued to the following proponent:
*Ce Certificat de décision pour **PROCÉDER** est accordé au promoteur suivant:*

RobAly Homes Inc.

Description of undertaking: *Description de l'ouvrage:*	Magnetic Hill Estates
Location of undertaking and PID: *Emplacement de l'ouvrage et NID :*	Moncton, Westmorland County, NB. PIDs 00939744 and 70183181.
Address of proponent: *Adresse postale du promoteur:*	46 Diamond Head Court, Unit 113 Moncton, New Brunswick E1G 5S3
Conditions of approval: *Conditions d'agrément:*	**AS PER THE ATTACHED DOCUMENT "A"** ***DOCUMENT 'A' CI-JOINT***
Date of issue: *Date d'émission:*	October 3, 2022

Recommended by:
Recommandé par:

Director, Environmental Impact Assessment Branch
Directrice, Direction des études d'impact sur l'environnement

Determination by:
Décision par:

Minister of Environment and Climate Change
Ministre de l'Environnement et du Changement climatique

Environment and Local Government
Environnement et gouvernement locaux

DOCUMENT "A"

MINISTER'S DETERMINATION / *LA DÉCISION DU MINISTRE*

CONDITIONS OF APPROVAL / *CONDITIONS D'AGRÉMENT*

Pursuant to *Regulation 87-83* under the *Clean Environment Act* /

En vertu du Règlement 87-83 de la Loi sur l'assainissement de l'environnement

September 29, 2022 / le 29 septembre, 2022

File Number / *Numéro du dossier*: **011003**

1 In accordance with section 6(6) of the *Environmental Impact Assessment Regulation – Clean Environment Act*, it has been determined that the undertaking may proceed following approval under all other applicable acts and regulations.

2 Commencement of this undertaking must occur within three years of the date of this Determination. Commencement is defined as the start of project-related physical construction activities as identified during the Environmental Impact Assessment (EIA) review. Should commencement not be possible within this time period, the undertaking must be registered under the *Environmental Impact Assessment Regulation – Clean Environment Act* again, unless otherwise stated by the Minister of Environment and Climate Change.

3 In the event the project is commenced (i.e., partially completed) and becomes inactive for a period of five years or more after commencement, the undertaking must be registered under the *Environmental Impact Assessment Regulation – Clean Environment Act* again, unless otherwise stated by the Minister of Environment and Climate Change.

4 The proponent shall adhere to all obligations, commitments, monitoring and mitigation measures presented in the EIA registration document dated December 9, 2021 as well as all those identified in subsequent correspondence during the registration review. Additionally, the proponent shall submit a summary table detailing the status of each Condition listed in this Determination to the Director, EIA Branch, Department of Environment and Local Government (DELG) every six months from the date of this Determination until such a time as all the Conditions have been met or until it is deemed by the Director to be no longer required.

5 The Proponent must ensure that all project activities are conducted in compliance with the *Migratory Birds Convention Act* and associated Regulations.

6 The Proponent must ensure that all project activities are conducted in compliance with the federal and provincial *Species at Risk Act* and associated Regulations.

7 Any alterations taking place in or within 30 metres of any wetland or watercourse require a valid Watercourse and Wetland Alteration (WAWA) Permit under the *Watercourse and Wetland Alteration Regulation (REG # 90-80)* of the *Clean Water Act*.

8 Wetland compensation at a 2:1 ratio must be provided for the areas of wetlands that will be permanently impacted within all delineated wetlands. A Wetland Compensation Plan (WCP) must be submitted to and approved by the Director, EIA Branch, DELG or arrangements can be made through a Wetland Compensation Consultant who may be able to provide compensation on your behalf. A WCP or confirmation of payment to a Wetland Compensation Consultant is required prior to a WAWA Permit being issued.

9 A Wetland Monitoring Plan (WMP) must be submitted within 6 months of the date of this Determination to the Director, EIA Branch, DELG for review and approval. The WMP is to describe the planned methodology for monitoring of potential residual impacts to the remaining wetland area, and its functions. The Wetland Ecosystem Services Protocol for Atlantic Canada (WESP-AC) is the recommended wetland functional assessment methodology. In general, wetland monitoring programs are required to:

- establish baseline conditions through an initial delineation and functional assessment (i.e. WESP-AC);
- monitor wetland boundaries and functions (through WESP-AC and potentially other methods) that may have been affected over time since the commencement of the project (i.e., experiencing residual effects); and,
- adaptively manage potential residual effects by proposing mitigation measures to address any changes if applicable.

10 Wetland Monitoring Reports (WMRs) will be required to be submitted to the Director, EIA Branch, DELG at each monitoring year (i.e., years 1, 3 and 5 from the date of the onset of initial construction) to summarize methods and results. The WMRs should also provide a recommendation for next steps in the monitoring program. It should be noted that the wetland monitoring program is intended to be an adaptive management approach; therefore, monitoring plans, restoration, mitigation, compensation, etc. may be required to be adjusted, pending the results of the monitoring reports. Digital copies of the report must be submitted in PDF or Word format with accompanying GPS data and associated metadata/attribute data of the wetland boundaries for review and approval.

11 Prior to the beginning of Phase I Infrastructure Construction, please contact the Authorizations Branch, DELG to confirm there are no components of the proposed construction which may require issuance of an *Approval to Operate* and/or *Approval to Construct* under the *Water Quality Regulation*. The Authorizations Branch may be reached at (506) 453-7945.

12 The subdivision development plans, including drainage plans, will need to be reviewed and approved by the City of Moncton as per the standard development review process.

13 An Environmental Management Plan (EMP) must be prepared and submitted to the Director, EIA Branch, DELG for review and approval prior to the commencement of any project related activities.

14 In the event of the sale, lease, or any other conveyance or change of control of the property, or any portion thereof, the proponent must provide written acknowledgement from the lessee, controller, or purchaser confirming that they will comply with the Conditions of this Determination to the Director, EIA Branch, DELG.

15 The proponent shall ensure that any proposed project modifications or future expansions are submitted to the Director, EIA Branch, DELG, for review and approval prior to implementing the changes.

16 The proponent shall ensure that all developers, contractors and operators associated with the project comply with the above requirements.

Council

Its my pleasure to discuss the request to create a court in the north end with the name of Flanagan Court.

Flanagan Court derives from a survey engineer, Shane Flanagan. Shane passed away at the age of 54, taken away early from the work that he loved.

Shane started with Key Surveys in 1990. He was a land surveyor and survey engineer. In the late 90's when Eric Smith decided to retire, Shane and Arthur Tucker purchased the company. Shortly there-after expanded the company to include civil engineering. This is where Shane's true passion started – Land Development. First large project was his concepts and development of Royal Oaks Subdivision. This project pushed his creativity. It also allowed him to foster some long-term relationships with the City of Moncton planning and engineering departments.

Large residential developments along the Shediac Road, off Ryan Road, off Berry Mills Road slowly developed as indicated by the figures. As Key Surveys and Engineering turned into Terrain Group, then Terrain Group to Genivar and finally WSP, Shane maintained his critical role at moving the land development forward. His vision of what the developer wanted combined with the best laid out plans to also enhance the City of Moncton's visions, is what is evident in the final product. The communities, churches, parks, all benefitted from his vision.

He was mostly proud of his work in the north end. Creating a network of streets and parks and trails that created long lasting communities and density. Waterstone developments surrounding Magnetic Hill Golf and Country Club is still ongoing, developing in the path that he conceived.

One of the last large portions of the North end of Moncton between Ryan Road and Mountain Road is where we are looking to develop today. Robert Leblanc, owner of CVR Home Developments and owner of Robaly Homes is looking to complete his portion of Magnetic Hill Estates. The concept here was developed years ago and Robert adopted it. While off sick, Shane continued to work behind the scenes supporting people like myself in helping his clients for which he was so loyal. One of the street names in this development is called Belfry as it was dedicated years ago. We, Robert, and I, are asking that we honor Shane and his family by naming the court after his family name. Flanagan Court will be a mix of 2 storey semi-detached dwellings with a few larger single story semi-detached dwellings. A fitting street to go with Shane's vision for a lot of his developments where there is always a mix of housing types.

Shane was critical in helping Moncton develop in a crucial period through the late nineties and right up to today. Permission was granted from Shane's wife while he was in his last few weeks to allow us to honor him. I think Shane truly represented a true Monctonian. Selfless, humble, hard working. Right up until those final days, he was sending notes on suggestions and correspondence on projects he once had a hand in. He never stopped working for his clients and for the City of Moncton.

Thanks for your consideration.

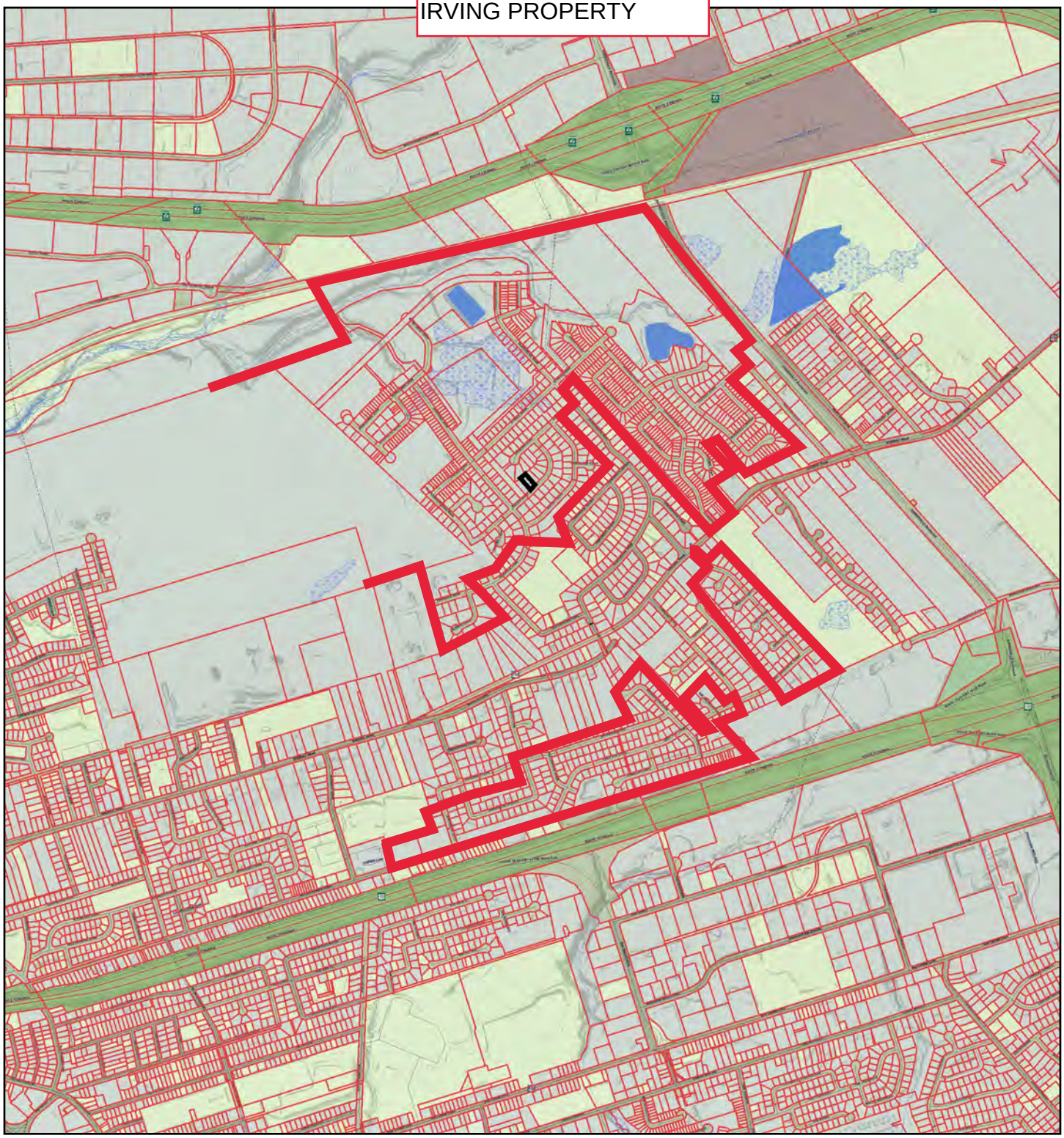
Arthur Kenny

WSP Project Manager

Service New Brunswick

EAST END
SHEDIAC ROAD
SECONDARY PLAN
IRVING PROPERTY

Service Nouveau-Brunswick



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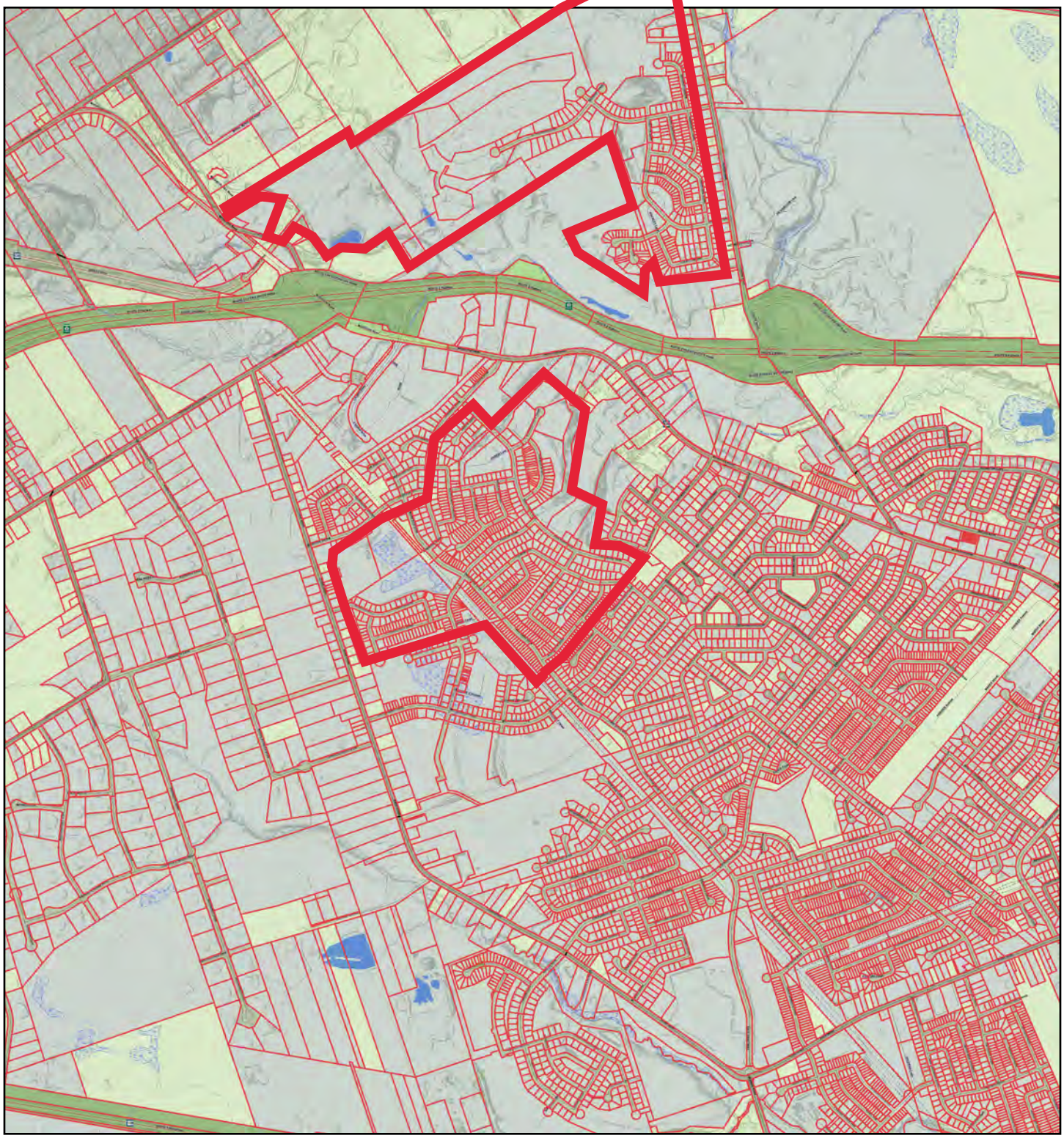
While this map may not be free from error or omission, care has been taken to ensure the best possible quality. This map is a graphical representation of property boundaries which approximates the size, configuration and location of properties. It is not a survey and is not intended to be used for legal description or to calculate exact dimensions or area.

Même si cette carte n'est peut-être pas libre de toute erreur ou omission, toutes les précautions ont été prises pour en assurer la meilleure qualité possible. Cette carte est une représentation graphique approximative des terrains (limites, dimensions, configuration et emplacement). Elle n'a aucun caractère officiel et ne doit donc pas servir à la rédaction de la description officielle d'un terrain ni au calcul de ses dimensions exactes ou de sa superficie.

MONCTON NORTH

Service New Brunswick **Service Nouveau-Brunswick**



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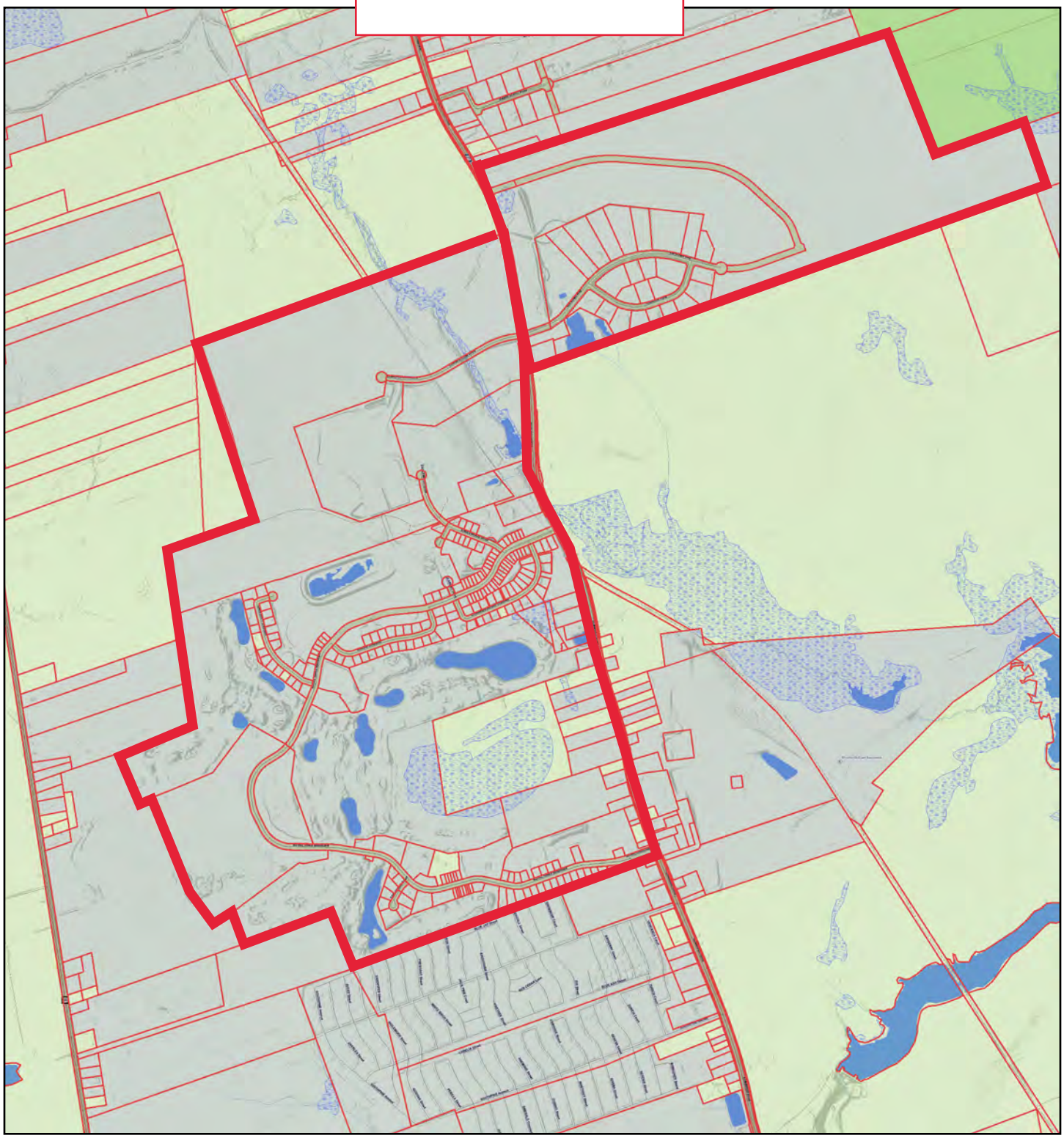
Service New Brunswick

ROYAL OAKS
MONCTON HIGH SCHOOL
BARON HEIGHTS

Service Nouveau-Brunswick



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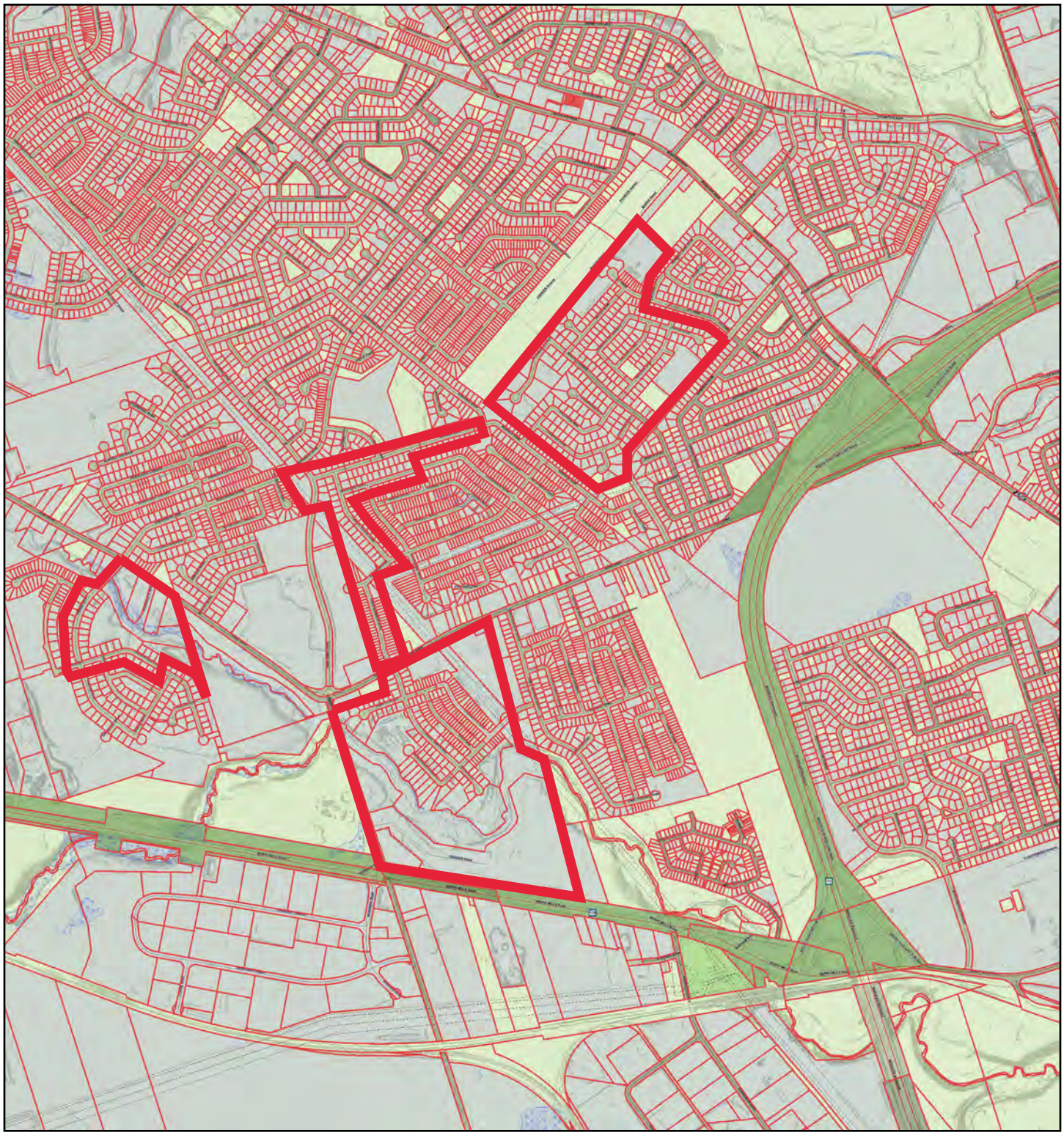
BERRY MILLS ROAD
TO RYAN ROAD

Service New Brunswick **Service Nouveau-Brunswick**



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Subdivision Plan Amending Magnetic Hill Estates Subdivision Unit 10

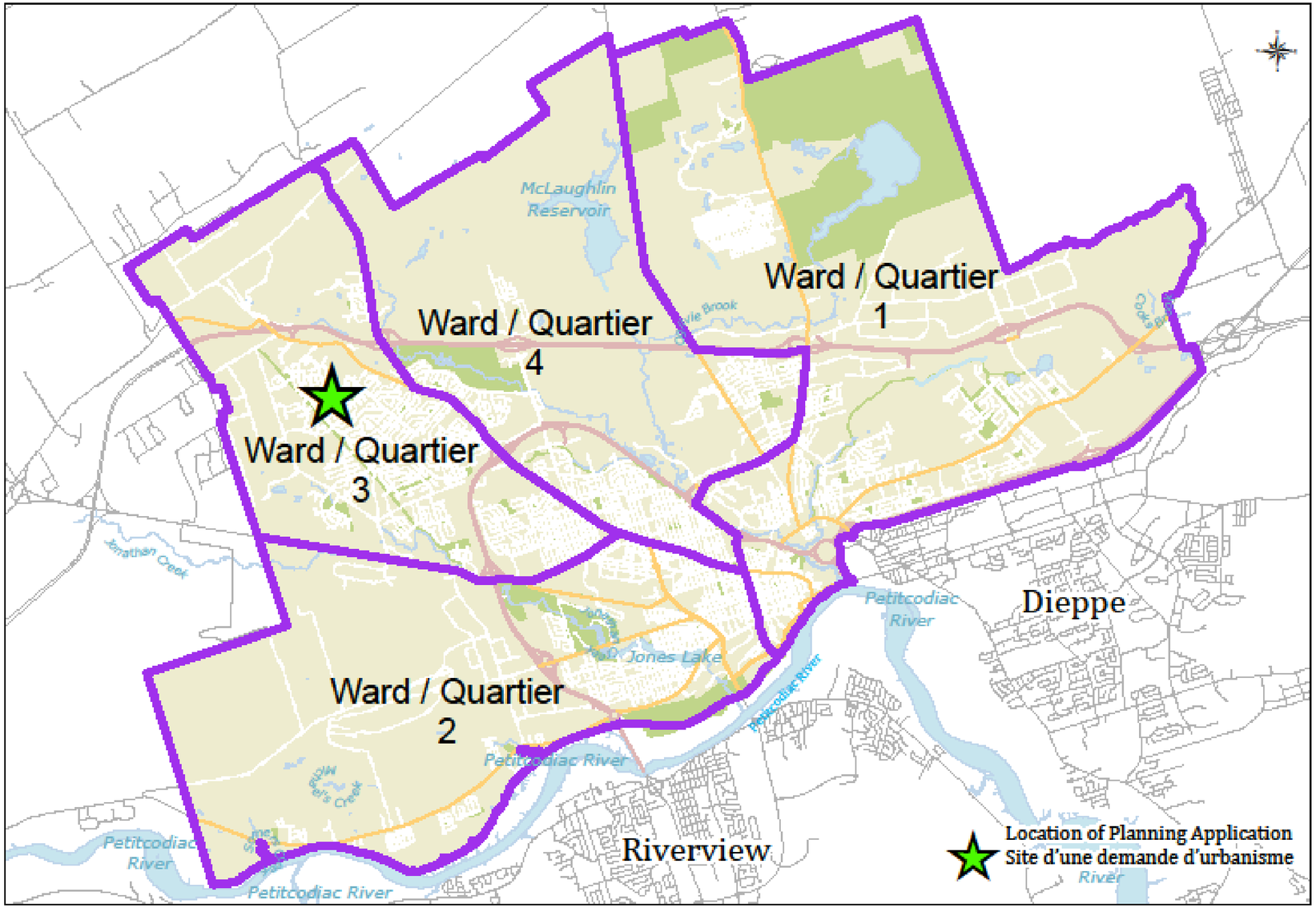
November 7, 2022

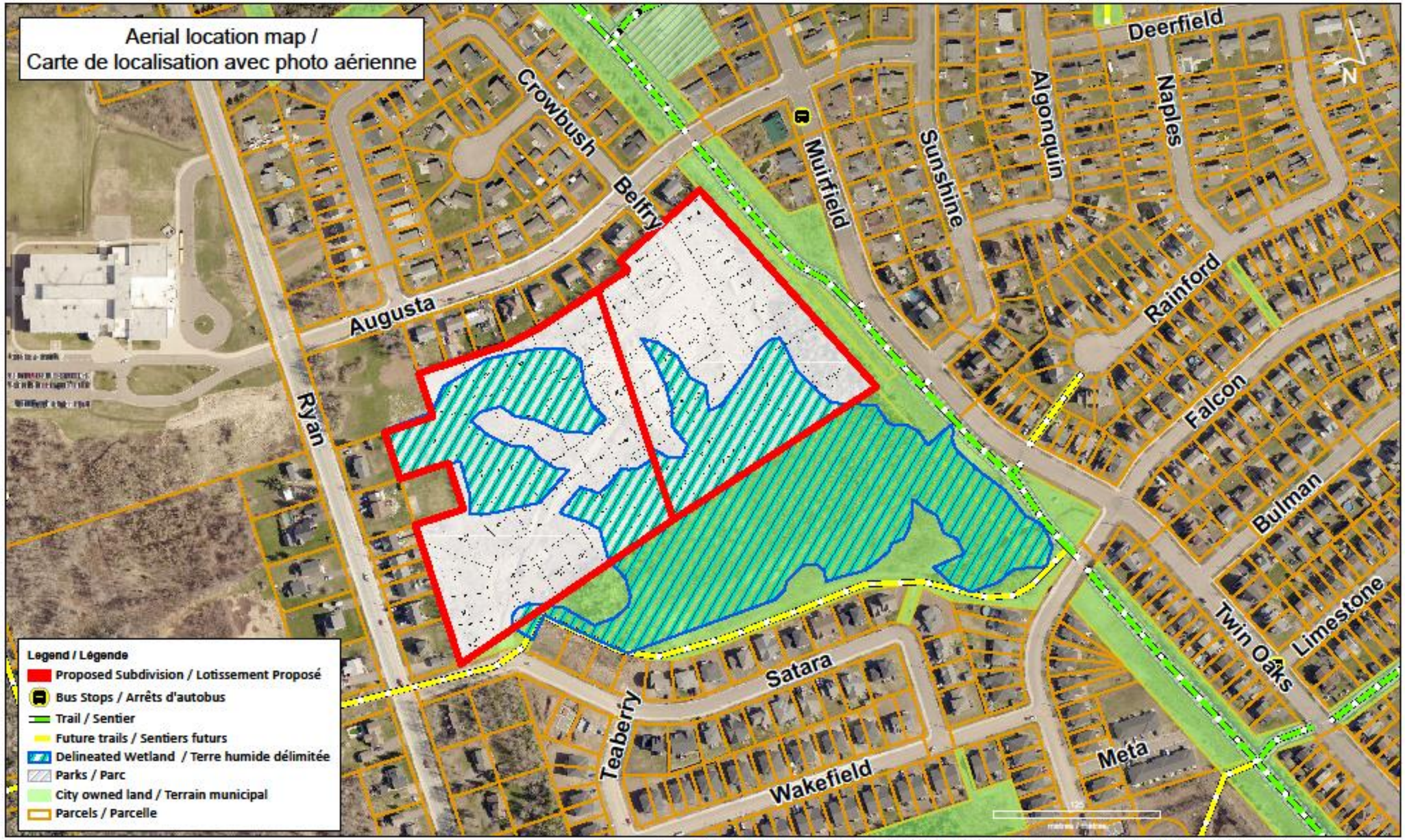
Plan de lotissement Modification du lotissement Magnetic Hill Estates (unité 10)

Le 7 novembre 2022

MONCTON

Planning Application Location Map
Carte de situation des demandes d'urbanisme





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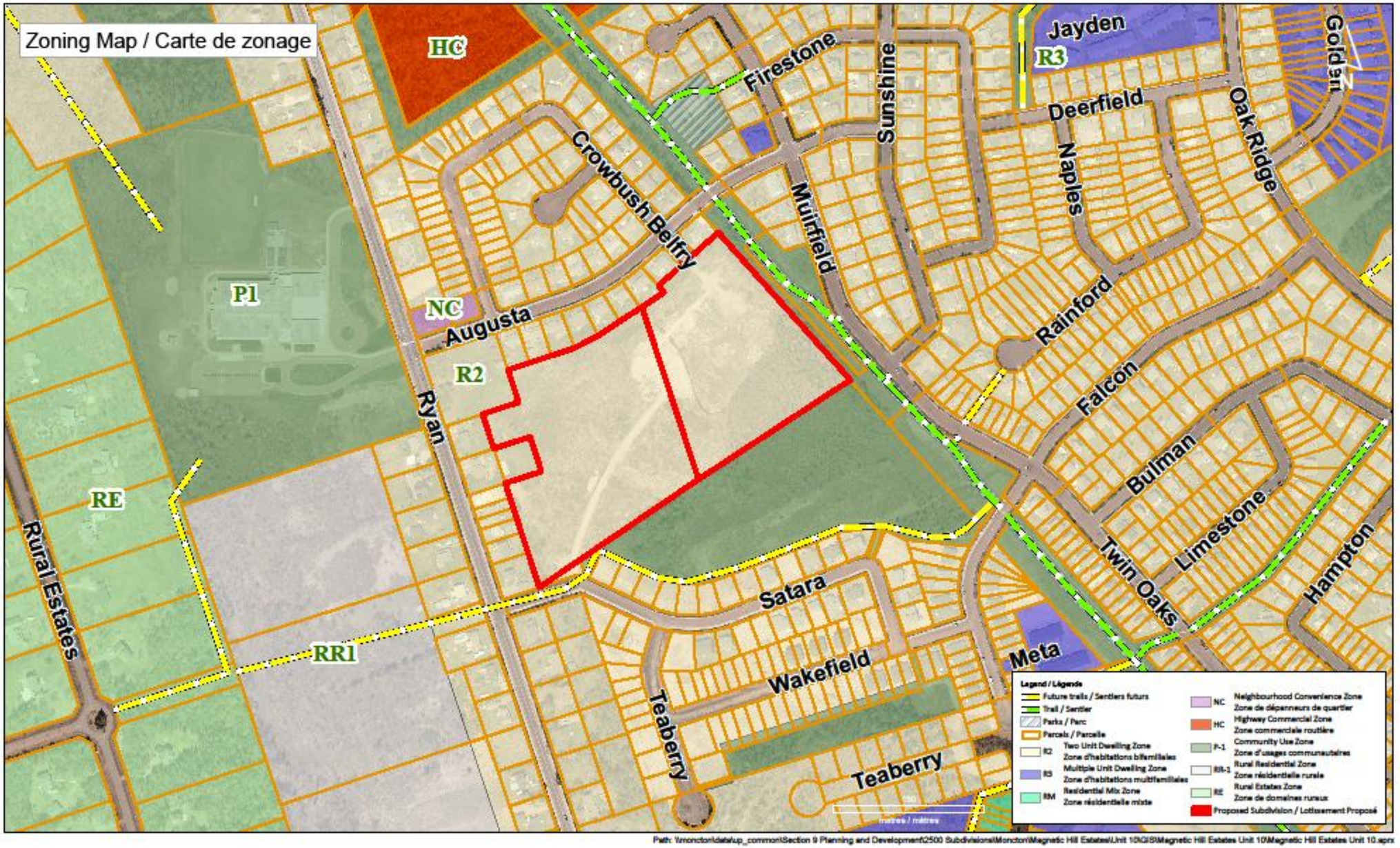
MONCTON



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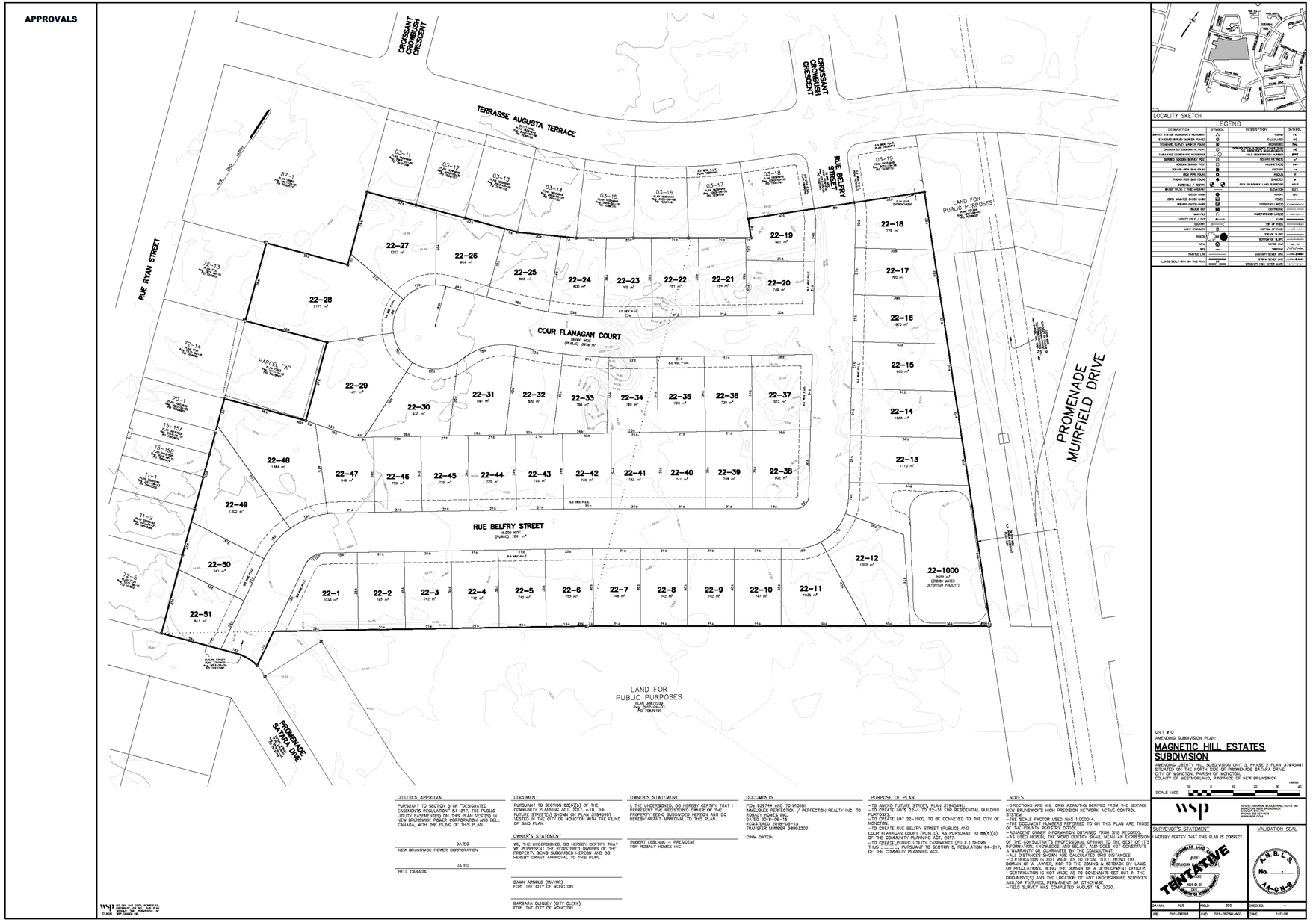
MONCTON

Tentative Plan of Subdivision / Plan de lotissement provisoire



Recommendation

The Planning Advisory Committee recommends that Moncton City Council:

- **Assent** to the extension of Belfry Street (public);
- **Assent** to the location of Flanagan Court(public);
- **Require** Cash in Lieu of Land for Public Purposes in the amount of $40,520.00 for the Magnetic Hill Estates Unit 10 Subdivision;
- **Require** payment of the Jonathan Creek Trunk Sewer Charge Area in the amount of $38,470.00.

Recommandation

Le Comité consultatif d'urbanisme recommande au Conseil municipal de Moncton de prendre les mesures suivantes :

- **Approuver** le prolongement du rue Belfry (voie publique);
- **Approuver** l'emplacement de la cour Flanagan (voie publique);
- **Exiger** une compensation financière de 40,520.00 $ en contrepartie du terrain d'utilité publique pour du lotissement Magnetic Hill Estates Unit 10;
- **Exiger** le paiement de la zone de redevances de l'égout collecteur du parc Jonathan d'un montant de 38,470.00 $.

Recommendation

Subject to the following Conditions:

- Streets & Services are to be designed and constructed in accordance with the City of Moncton's Subdivision Standards and Guidelines.

Recommandation

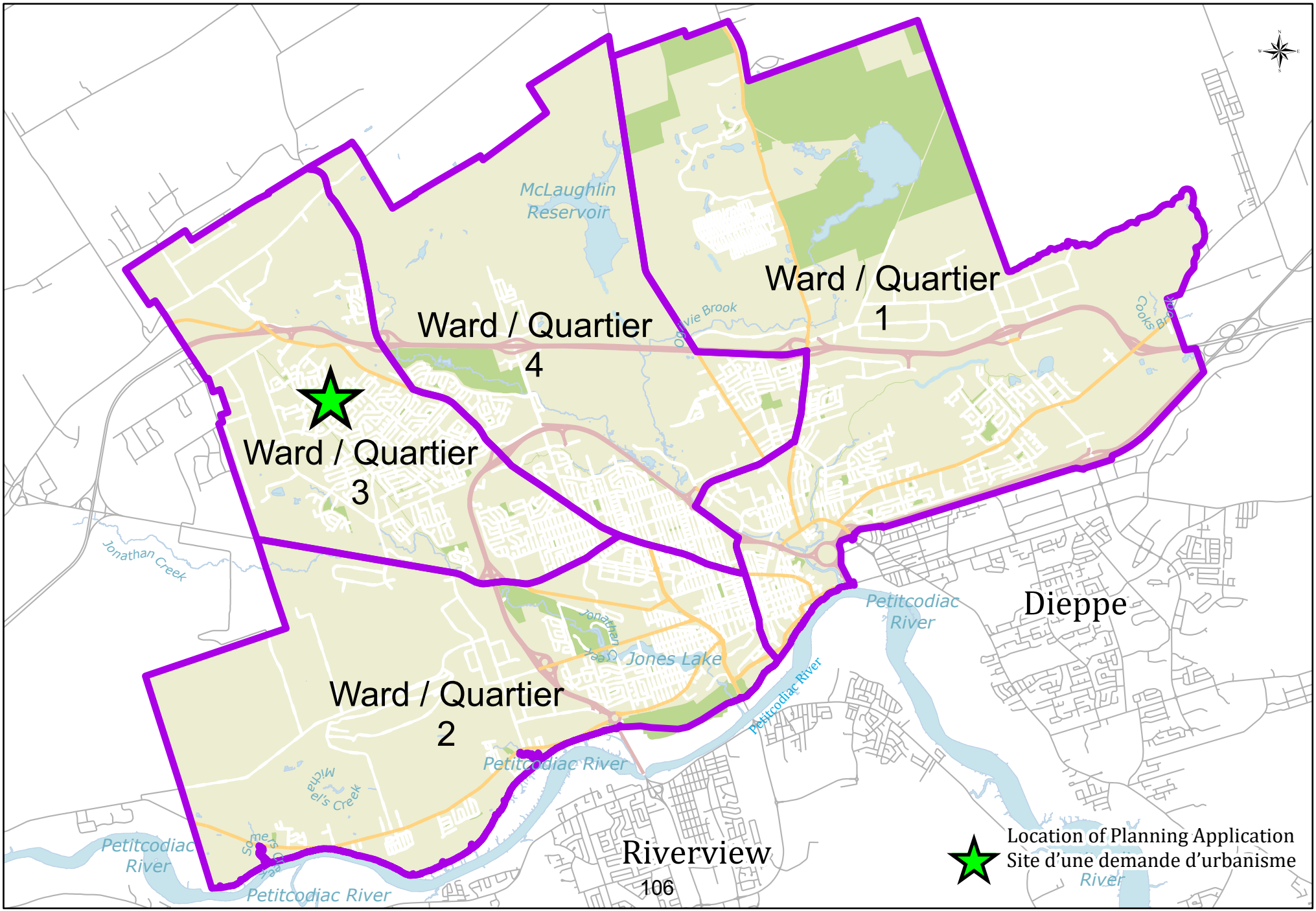
Sous réserve des conditions suivantes :

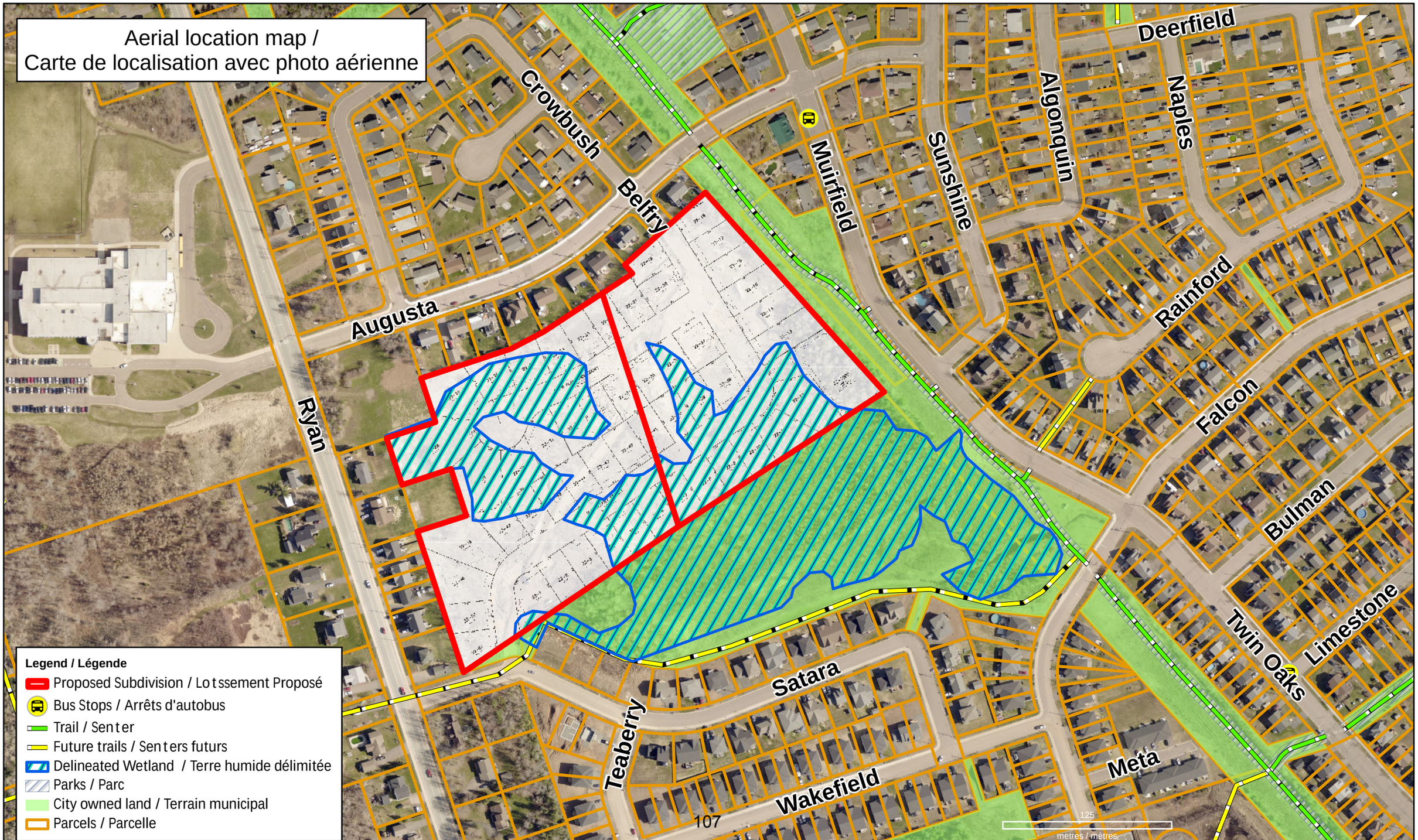
- Les rues et les services doivent être conçus et établis conformément aux normes et directives actuelles de la Ville régissant les lotissements.

MONCTON

Thank You | Merci

Planning Application Location Map
Carte de situation des demandes d'urbanisme





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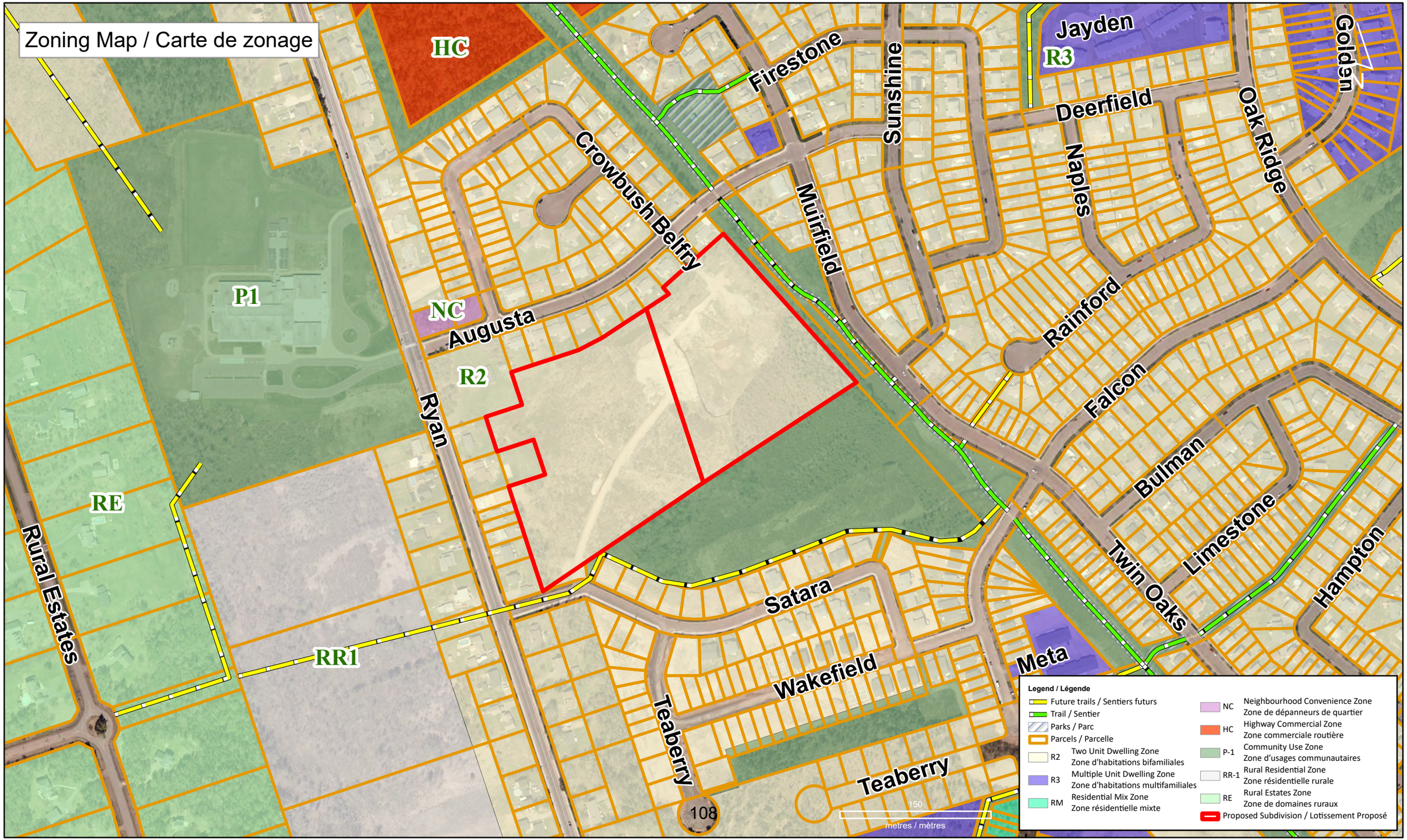

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EIA Registration Document

Residential Development, Magnetic Hill Estates Subdivision
Moncton, New Brunswick

Prepared for:

RobAly Homes Inc.
46 Diamond Head Court, Unit 113
Moncton, New Brunswick
E1G 5S3

Project: 21.03.162
December 1, 2021

hive ENGINEERING

Hive Engineering Limited
29 Victoria Street, Unit 102
Moncton, NB, E1C 9J6
506.386.4897
www.hiveeng.ca

December 1, 2021
Project: 21.03.162

RobAly Homes Inc.
46 Diamond Head Court, Unit 113
Moncton, New Brunswick
E1G 5S3

Attention: Robert LeBlanc

Re: EIA Registration Document, Residential Development
Magnetic Hill Estates Subdivision, Moncton, New Brunswick

Hive Engineering Limited has prepared the following EIA Registration Document for the proposed residential development in the Magnetic Hill Estates Subdivision in Moncton, New Brunswick. Our conclusions and recommendations are presented in the following report.

Do not hesitate to contact the undersigned with any questions regarding the information presented herein.

Sincerely,

Andrea Kalafut, M.Sc.E., P.Eng.
President and Senior Environmental Engineer
Hive Engineering Limited

Professional Review

The field work, report preparation and engineering review of this document was overseen by Ms. Andrea Kalafut, M.Sc.E., P.Eng., a recognized Environmental Site Professional and Professional Engineer licensed to practice in New Brunswick. It is the intent that this report be read in its entirety for a full understanding of environmental risk and liabilities.

The work was completed per engineering standards and guidelines in place in 2021. If significant time lapses prior to the undertaking of additional work, the findings of this report should be reviewed by the engineer to ensure the recommendations and conclusions comply with current environmental guidelines.

Information regarding the property and history of the Site are critical for identifying environmental liabilities. If any discrepancies, inaccuracies, or data gaps are identified in the report, we request the opportunity to review them with the client.

Hive Engineering Quality System	
Project No. 21.03.162	Date: December 1, 2021
Prepared By: Katie Gillis, P.Eng.	
Reviewed By: Andrea Kalafut, M.Sc.E., P.Eng.	

Glossary of Terms

Abbreviation	Definition
ACCDC	Atlantic Canada Conservation Data Centre
BMP(s)	Best Management Practice(s)
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
ECCC	Environment Climate Change Canada
EIA	Environmental Impact Assessment
NBDERD	(New Brunswick) Department of Energy and Resource Development
NBDELG	New Brunswick Department of Environment and Local Government
NB ESA	New Brunswick Endangered Species Act
PID(s)	Parcel Identifier(s)
SARA	Species at Risk Act
SNB	Service New Brunswick
SOCC	Species of Conservation Concern
TRC	Technical Review Committee
WAWA	Watercourse and Wetland Alteration

TABLE OF CONTENTS

Professional Review iii
Glossary of Terms iv

List of Tables vii

List of Appendices vii

Introduction 1

1.0 The Proponent 1

2.0 Project Description 2

2.1 Project Name 2
2.2 Project Overview 2
2.3 Purpose/Rationale/Need for Undertaking 2
2.4 Project Location 4
2.5 Siting Considerations 5
2.6 Physical Components and Dimensions of Project 6
2.7 Construction Details 7
2.7.1 Phase 1 Infrastructure Construction (Sub-grade Construction) 7
2.7.2 Phase 2 Infrastructure Construction (Above-grade Construction) 8
2.8 Operation and Maintenance Details 10
2.9 Future Modifications, Extensions or Abandonment 10
2.10 Documents Related to the Undertaking 10

3.0 Description of Existing Environment 11

3.1 Physical and Natural Features 11
3.1.1 Topography 11
3.1.2 Watercourses 12
3.1.3 Coastal Features 12
3.1.4 Groundwater 12
3.1.5 Protected Wellfields/Watersheds 12
3.1.6 Ambient Air Quality 13
3.1.7 Existing Ambient Noise Levels 13
3.1.8 Fish Habitat 13
3.1.9 Rare Flora and Fauna 13
3.1.10 Wetlands and Existing Vegetation 15

3.1.11 Birds and Bird Habitat 16
3.1.12 Environmentally Sensitive Areas 17
3.2 Cultural Features 17
3.2.1 Traditional Use 17
3.2.2 Archaeology and Heritage Resources 17
3.2.3 Existing and Historic Land Uses 17
3.3 Socio-Economic Considerations 18
4.0 Identification of Potential Environmental Impacts 18
5.0 Summary of Proposed Mitigation 19
5.1 Impact Avoidance 19
5.1.1 Waste 19
5.1.2 Disturbance of Fauna 20
5.1.3 Leak/Spill Prevention Plans 20
5.1.4 Environmental and Safety Training for Personnel On-Site 20
5.2 Impact Reduction 20
5.2.1 Noise and Airborne Emissions 20
5.2.2 Dust Emissions 21
5.2.3 Erosion and Sedimentation 21
5.2.4 Stormwater Management Plan 21
5.2.5 Fuel Oil Spills from Equipment used during Construction and Operation 21
5.2.6 Site Inspections 22
5.3 Impact Compensation 22
5.3.1 Infilling of the Existing Wetland 22
6.0 Public and First Nations engagement 22
7.0 Approval of Project 22
8.0 Funding 23
9.0 Signature 23
10.0 Closure 24
11.0 References 25

LIST OF TABLES

Table 1 Proponent Information 1

Table 2 Summary of ACCDC Data 13

LIST OF APPENDICES

Appendix A	Preliminary Subdivision Plan
Appendix B	As-Builts
Appendix C	Site Location Plan
Appendix D	Proposed Development Plan
Appendix E	Topography Mapping and Plan
Appendix F	Atlantic Canada Conservation Data Centre Report
Appendix G	Wetland Delineation Reports (2020 & 2021)
Appendix H	Bird Survey Report (2021)
Appendix I	Archaeology Mapping

INTRODUCTION

Hive Engineering Limited (herein "Hive") was retained by RobAly Homes Inc. (herein "Proponent") to prepare an Environmental Impact Assessment (EIA) registration document for the expansion of a residential subdivision within the existing Magnetic Hill Estates Subdivision in Moncton, New Brunswick. The residential subdivision is proposed to be constructed on the two properties identified by Service New Brunswick (SNB) as Parcel Identifiers (PIDs) 00939744 and 70183181.

This registration document is required under the New Brunswick *Environmental Impact Assessment Regulation 87-83* of the *Clean Environment Act*. As per Item (v) of Schedule "A" of *"A Guide to Environmental Impact Assessment in New Brunswick"*, the project will impact a wetland that is greater than two hectares in area.

1.0 THE PROPONENT

The Proponent details for this registration document are as follows:

Table 1 Proponent Information

Name of Undertaking:	Expansion to Magnetic Hill Estates Subdivision (2022), Moncton, NB
Name of Proponent:	RobAly Homes Inc.
Address of Proponent:	46 Diamond Head Court, Unit 113, Moncton, NB E1G 5S3
Principal Proponent Contact:	Contact: Mr. Robert LeBlanc Phone: 506.854.5320 Email: cvrhomes@rogers.com
Principal Contact for EIA:	Company: Hive Engineering Limited Contact: Ms. Andrea Kalafut, M.Sc.E., P.Eng., President and CEO Address: 29 Victoria Street, Unit 102, Moncton, NB, E1C 0T3 Cell Phone: 506.232.1306 Email: andrea.kalafut@hiveeng.ca
Property Ownership:	RobAly Homes Inc.

2.0 PROJECT DESCRIPTION

2.1 Project Name

Expansion to Magnetic Hill Estates Subdivision (2022), Moncton, NB

2.2 Project Overview

The Project is the expansion to an existing residential subdivision in the north end of Moncton, New Brunswick and will include the construction of a public street and cul-de-sac (including municipal infrastructure) and 50 lots of semi-detached (two-unit) residential dwellings. The residential dwellings will be serviced with municipal water and sanitary sewer; storm drain infrastructure will also be present in roadways constructed as part of the subdivision. A storm water detention plan has also been developed to manage surface water drainage on the Site. The preliminary subdivision plan (WSP's *"Unit #10 Amending Subdivision Plan: Magnetic Hill Estates Subdivision, Amending Liberty Hill Subdivision Unit 5, Phase 2 Plan 37945491 Situated on the North Side of Promenade Satara Drive, City of Moncton, Parish of Moncton, County of Westmorland, Province of New Brunswick"* dated December 11, 2020) is presented in Appendix A.

The Project will take place on PIDs 00939744 and 70183181 (herein referred to as the "Site"). The Site is 5.96 hectares of vegetated and partially infilled land. The development will include the infilling of approximately 0.7 hectares of wetland on PID 00939744; however, the total area of the wetland is over 2 hectares (total delineated area of 3.7 hectares; 0.7 hectares on-site and 3.0 hectares off-site).

2.3 Purpose/Rationale/Need for Undertaking

The Site is situated within an existing subdivision in the north end of Moncton. Moncton is currently experiencing an unprecedented housing shortage. The development will provide new housing options for families and individuals within the City of Moncton, and within an existing subdivision that contains similar residential units and access to local amenities. The Site is located within walking distance to several elementary and middle schools, which will contribute to residents' health and wellness, and will also promote less vehicle traffic within the newly developed area.

According to the Proponent, each of the residential units (100 total) will be sold for a minimum of approximately $259,900; the property assessment for each of the properties proposed as part of the subdivision will yield approximately $2,030 per year, resulting in a minimum of $203,000

in annual property tax revenue for the City of Moncton once the residential dwellings are constructed and occupied.

Municipal services including water, storm and sanitary sewer are present in nearby right-of-ways (August Terrace and Satara Drive). The Project will utilize these existing services to provide water and sewer services to the residential dwellings proposed as part of the Project.

The Project will include the construction of Belfry Street, which will begin at the current intersection of Augusta Terrace and Crowbush Crescent (northeast of the Site) and connect to Satara Drive (southwest of the Site). A cul-de-sac will also be constructed off the northern portion of Belfry Street extending west to service residential lots on the northern half of the Project.

According to as-builts provided by the Client and presented in Appendix B (J.R. Daigle Engineering Ltd.'s *"Magnetic Hill Estates Subdivision, Unit No. 8 Roadways, Water & Sewer Services As Built"* dated July 2005 and WSP's *"Record Drawing Plan and Profile, Satara Drive, Liberty Hill Estates, Unit 5, Phase 2, Moncton, New Brunswick"* dated January 2019), municipal services (i.e., 150 mm water main, 200 mm sanitary sewer and 600 mm storm sewer lines) have been constructed and capped in place at the northern termination point of Belfry Street. Municipal water and sanitary sewer lines (both 200 mm diameter) have also been capped in place near the intersection of Satara Drive and Ryan Street, immediately southwest of the Site. These streets will serve as the two connection points from the Project to existing residential development surrounding the Site. Typically, domestic water connections are safest when looped through streets to allow water to flow rather than to be stagnant at dead-end pressure zones; therefore, the extension of municipal water services along the length of the new street constructed as part of the Project will remove the current dead end for the water mains at the northern termination point of Belfry Street and Satara Drive, maximizing the functionality of municipal water services within the development.

The Project will provide much needed housing within the municipal boundary of the City of Moncton. There is a shortage of land within the municipal boundary. Coupled with the fact that the city is experiencing a housing shortage, if the development is not constructed, it will likely result in further urban sprawl. Urban sprawl will contribute to the development of unurbanized, natural areas and also likely contribute to increased carbon emissions associated with normal everyday travel in and out of the City of Moncton.

Alternatives for the Project would include the expansion of residential development outside of city limits; however, this would force the construction of subdivisions in rural areas and would

not fulfill the need for housing within the municipal boundary, and within walking distance to schools. The City of Moncton has identified the need to in-fill serviceable land with housing options prior to developing land for residential use outside of the municipal boundaries. Therefore, the development of the Project in this specific area is justified in fulfilling the current needs associated with the housing crisis in the City of Moncton.

2.4 Project Location

The Site is approximately 5.96 hectares of vegetated land (PIDs 00939744 and 70183181), situated within an existing subdivision in the north end of Moncton. The approximate coordinate for the centre of the Site is Lat: 46° 7’ 20” N and Long: 64° 52’ 53” W. The Site PIDs do not have civic addresses; however, SNB indicates that PID 00939744 is located on Belfry Street and PID 70183181 is located on Augusta Terrace, both in the City of Moncton in Westmorland County. Figure 1 shows the location of the Site within the existing north end residential development (GeoNB 2020 Aerial Photography).

Figure 1 – Project Location (GeoNB mapping, 2020 aerial photography).

The Site is generally bound by roadways and associated residential dwellings. Single-family residential dwellings are present immediately north and west of the Site, with municipal roadways beyond (Augusta Terrace and Ryan Street to the north and west, respectively). A walking trail and Muirfield Drive are present immediately east of the Site. The adjoining properties to the south consist of wetland and Satara Drive.

2.5 Siting Considerations

In 2018, RobAly Homes Inc. acquired the Site (PIDs 00939744 and 70183181), which is situated within the Magnetic Hill Estates subdivision. The residential development has been expanding at a consistent rate over the last 20 years in response to local housing demand.

Municipal sanitary, storm and water services are readily available in the area on existing right-of-ways to the north, east, west and south of the Site. According to as-builts provided by the City of Moncton (presented in Appendix B), municipal services were capped in place at the northern termination point of Belfry Street (immediately northeast of the Site) to facilitate the future residential development of the Site. Electricity for adjoining residential properties is currently provided by overhead services managed by NB Power. The area is situated on a local bus route to provide transportation options for future residents of the subdivision. The properties are also situated within 150 meters of Northrup Frye School and 750 meters of Maplehurst Middle School, which will allow residents to use alternative modes of transportation (i.e., walking, biking, skateboarding, etc.).

The Site consists of one of the last remaining areas that has not yet been developed as part of the existing subdivision in this area of Moncton. The consequence of not developing this Site for residential use will be perpetuating the demand for housing within the City of Moncton. Other options for providing new housing include the expansion of residential development outside of city limits, forcing the construction of subdivisions in rural areas. The City of Moncton has identified the need to in-fill serviceable land with housing options prior to developing land for residential use outside of the municipal boundaries.

According to the Proponent, previous owners of the Site historically utilized the Site as a construction yard during the development of residences in the surrounding areas.

According to the City of Moncton Zoning Map (amended October 25, 2021), the Site and adjoining properties to the north and east are zoned ‘R2’ for two unit dwelling zone. The adjoining properties to the south and east are zoned ‘P-1’ for community use zone.

GeoNB mapping indicates that a provincially regulated wetland is present on the eastern portion of the Site (PID 00939744) and adjoining property to the south (PID 70629431); a delineation confirmed that the wetland is approximately 3.7 hectares in area.

To address specific requirements outlined by NBDELG in the Siting Considerations, we offer the following:

- It is unlikely that archeological resources are present on-site; the potential archaeological resources are discussed in further detail in Section 3.2.2 of this report.
- It is understood that a WAWA permit will be required if the Project is approved.
- The Project is not located within Zone A or B as prescribed in *"A Coastal Areas Protection Policy for New Brunswick"*.
- The Site is currently zoned by the Greater Moncton Planning commission for the future intended use (i.e., residential).

2.6 Physical Components and Dimensions of Project

A plan showing the location of the Site is presented in Appendix C. The Site occupies a total area of 5.96 hectares. The dimensions of the Site (at its largest width (west to east) and length (north to south)) are approximately 370 meters by 200 meters. There are no conceptual drawings of the semi-detached residential dwellings proposed for construction at the Site.

The Project will involve the development of the entire area of the Site (5.96 hectares), including the construction of public roadways that will later be owned and operated by the City of Moncton. The construction of the roadways will include the installation of municipal storm, sanitary sewer and water lines. The Project also includes the construction of storm water detention ponds to facilitate surface water management. The ponds will be constructed in accordance with municipal requirements. Additional details regarding the proposed development are presented in a site plan (WSP's "New Residential Development, Street Layout and Servicing Schematic" dated February 4, 2021) in Appendix D.

To address specific requirements outlined by NBDELG in the Physical Components and Dimensions of the Project in the Guide, we offer the following:

- The Project will include the construction of permanent roads and associated water and sewer infrastructure that will ultimately be maintained and owned by the City of Moncton;
- The Project will include the construction of 50, two-unit, semi-detached residential dwellings, which will be privately owned and managed.
- The length of the proposed Belfry Street, connecting to August Terrace (northeast of the Site) and Satara Drive (south of the Site) will be approximately 450 metres. The length of

the cul-de-sac to be constructed on the northern portion of the Site is approximately 200 metres.

- The approximate area of impervious surfaces in the Project area (including the streets, footprints of residential dwellings and driveways) will be approximately 35,000 square metres (3.5 hectares).
- Any external lighting required for the project will comply with the City of Moncton's requirements. It is anticipated that some roadway lighting will be required.
- The Project will adhere to any setbacks proposed by the municipality or utility service provider (i.e., NB Power). The work will encroach within a wetland and within the 30-metre wetland buffer. The Proponent does not have any intention of constructing permanent fencing; fencing will be at the discretion of the individual homeowners once the development is complete.
- Construction traffic (i.e., dump trucks, concrete trucks, delivery trucks hauling materials such as lumber, PVC piping, etc.) will increase over the short-term in order to accommodate the construction of the Project. Temporary lay down areas should be limited to the Site.

2.7 Construction Details

The Proponent intends to construct the subdivision in two separate Phases which are detailed in the following sections. The construction activities during both phases of construction will generally take place between 7am and 7pm, Monday to Friday.

2.7.1 Phase 1 Infrastructure Construction (Sub-grade Construction)

Phase 1 will begin with clearing and grubbing and the construction of a new street (Belfry Street) and associated infrastructure. Belfry Street will connect Augusta Terrace (northeast corner of the Site) to Satara Drive (located at the southwest corner of the Site). A cul-de-sac will also be constructed from the north end of Belfry Street extending west.

The Proponent has scheduled the first phase of the Project to begin in April of 2022; it is estimated that the work for Phase 1 will take approximately 10 weeks to complete. The first phase consists primarily of below grade work and will include the following steps:

1. Clearing and grubbing of the entire Site; this will take place prior to mid-April prior to the start of the regional nesting period for nesting/breeding birds. Following clearing and grubbing, silt fencing will be installed along the perimeter of the Site for erosion/sediment control over the duration of the Project.

2. Earthwork for the shaping of storm water detention ponds and installation of storm water infrastructure. Overburden soil removed from the storm water detention pond locations will be re-used during Site grading.

3. Installation of municipal infrastructure (i.e., sanitary sewer, storm drain and water services) will be completed, beginning with the installation of the deepest pipe by elevation. Each residential lot will be serviced with a single storm lateral for footing drains, two sanitary laterals and two water service laterals, one for each unit of the two-unit dwellings.

4. Once municipal infrastructure is installed, the excavations will be backfilled in accordance with engineering recommendations. The street and cul-de-sac will be backfilled to subgrade elevation and the curb drains will be installed and connected to catch basins in the right-of-way.

5. During Phase 1, the drainage swales along the rear of the residential lots will also be constructed.

Phase I of the Project will be overseen by civil and geotechnical engineering firms in accordance with the City of Moncton requirements.

2.7.2 Phase 2 Infrastructure Construction (Above-grade Construction)

The Proponent has scheduled the second phase to being in July of 2022 and will consist of the following:

1. Begin construction of the curb for the street (Belfry Street) on-site.

2. Surfacing of the street and sidewalk; this will be done under the supervision of qualified quality control personnel. This portion of the construction should be completed in three weeks.

3. Following the surfacing of the roadway and sidewalk, testing and inspection reports will be completed and submitted to the City of Moncton for approval.

An earthwork contracting company owned and operated by the Proponent will be responsible for completing the majority of the below grade construction (i.e., installation of municipal infrastructure and site preparation). During these construction activities, the crew will generally consist of five to seven employees. Equipment used on-site during the earthwork operations will

consist of dump trucks, excavators, bulldozers and rollers used to excavate, backfill and compact material.

During the construction and finishing of the street, crews will generally consist of six to eight employees for constructing the curb, three to four employees for constructing the sidewalk and six to eight employees for surfacing the street with asphalt. Equipment used during this phase of the construction will consist of dump trucks, curb machines, pavers, asphalt rollers and concrete mixers.

The proposed schedule for the Project is as follows:

- Phase I Infrastructure Construction – April 1, 2022 through mid to end of June 2022.
- Phase 2 Infrastructure Construction – July 2022 through the end of July / beginning of August 2022.
- Construction of Semi-Detached Dwellings and Associated Landscaping – July of 2022 until 2026 (estimate), depending on market demand.

The cleared vegetation and grubbings removed during Phase I will be taken off-site for disposal at a local pit. Any fill materials (i.e., crushed rock) will be clean and sourced from a local pit (likely from the Gorge Road). Although the Project will result in an increase in traffic in the area, no detours will be necessary to accommodate the work. The majority of the work will be limited to the Site until the project is complete.

Potential pollutants that could be generated during the construction phase include:

- Noise associated with the operation of machinery, vehicles and equipment.
- Airborne emissions (volatile organics) associated with the operation of machinery, vehicles and equipment.
- Dust associated with exposed soils and/or wind.
- Sediment in runoff during construction.
- Minor releases of hydraulic/diesel spills from equipment, vehicles and machinery operating on-site.
- Solid waste generated as part of general construction activities (i.e., excess PVC piping, concrete, asphalt, cardboard, plastics etc.).

The mitigation measures employed to reduce impacts to the environment are discussed in further detail in Section 5.0 of this report.

It is anticipated that during the earthwork operation and first phase of the Project, the Site will be accessed through Belfry Street.

Following the completion of the below grade construction and finishing of the roadway, sidewalks and storm water detention ponds, the final step of construction consists of the individual development of the residential lots. The Proponent has indicated that the construction of the residential dwellings will be completed by Moemar Homes or CVR Homes, both companies that are owned and operated by the Proponent. Depending on the market, the 50 dwellings will be built over a period of 4-5 years beginning in July 2022.

2.8 Operation and Maintenance Details

Upon the completion of the construction of the infrastructure for the subdivision, each of the residential dwellings will be sold and privately owned. Therefore, the operation and maintenance that will occur post-construction will be the responsibility of the owner of the individual residences.

Potable water and sanitary sewer services will be provided by the City of Moncton. The water and sewer system has been designed by a civil engineer licensed to practice in the Province of New Brunswick. Typical domestic waste generated in the individual residences will be collected curb-side by municipal waste management services on a weekly basis.

2.9 Future Modifications, Extensions or Abandonment

The Project will consist of the construction of 50, two-unit dwellings within an existing subdivision. Future modifications, extensions or abandonment are not expected. With the exception of the adjoining property to the south (consisting predominantly of approximately three hectares of wetland), areas immediately surrounding the Site are developed for residential or community use (i.e., are occupied by residential dwellings, roadways and a walking trail). Based on the location of the Site and current adjoining land use options for future modifications or expansions are limited.

2.10 Documents Related to the Undertaking

Documents relevant to the Project have been presented in Appendices A through H, including the following:

- WSP's *"Unit #10 Amending Subdivision Plan: Magnetic Hill Estates Subdivision, Amending Liberty Hill Subdivision Unit 5, Phase 2 Plan 37945491 Situated on the North Side of*

Promenade Satara Drive, Cit y of Moncton, Parish of Moncton, County of Westmorland, Province of New Brunswick" dated December 11, 2020 (presented in Appendix A).

- J.R. Daigle Engineering Ltd.'s *"Magnetic Hill Estates Subdivision, Unit No. 8 Roadways, Water & Sewer Services As-Built"* dated July 2005 (presented in Appendix B).
- WSP's *"Record Drawing Plan and Profile, Satara Drive, Liberty Hill Estates, Unit 5, Phase 2, Moncton, New Brunswick"* dated January 2019 (presented in Appendix B).
- Hive Engineering (obtained through GeoNB Mapping) *"21.03.162 – Site Plan"* dated November 30, 2021 (presented in Appendix C).
- WSP's *"New Residential Development, Street Layout and Servicing Schematic"* dated February 4, 2021 (presented in Appendix D).
- WSP's Topographic Map of Site, *"Job: 201-08268"* (presented in Appendix E).
- Atlas of Canada's Toporama Map, obtained by Hive Engineering on November 30, 2021 (presented in Appendix E).
- Atlantic Canada Conservation Data Centre *"Data Report 6980: Moncton, NB"* prepared Juned 22, 2021 (presented in Appendix F).
- Overdale Environmental Inc.'s *"Standard Wetland Delineation, Belfry Street, Moncton, NB, PID 00939744"* dated June 16, 2020 (presented in Appendix F).
- Overdale Environmental Inc.'s *"Wetland Delineation Report, Satara Drive, Moncton, NB"* dated July 12, 2021 (presented in Appendix F).
- Aster Group Environmental Services Co-op's *"CV Homes Bird Survey"* dated June 21, 2021 (presented in Appendix G).
- New Brunswick Department of Heritage, Tourism and Culture (Heritage and Archaeological Services Branch), Archaeology Map of Site, obtained by Hive engineering on November 26, 2021 (presented in Appendix H).

No other applications to municipal, provincial or federal agencies have been submitted concurrently with this EIA registration with the exception of a building permit submitted to the City of Moncton.

3.0 DESCRIPTION OF EXISTING ENVIRONMENT

3.1 Physical and Natural Features

3.1.1 Topography

A topographic plan for the Site, as well as a topographic map provided by the Atlas of Canada is presented in Appendix E. In general, the Site and surrounding area slope east/southeast toward

the West Branch of Halls Creek and associated tributaries; the nearest tributary is located approximately 480 meters northeast of the Site (at its nearest point).

Locally, the area surrounding the Site has been developed for residential purposes; these areas have been locally graded to drain toward municipal storm water infrastructure in nearby roadways. The Site is vegetated and contains low-lying areas within an existing wetland on the southeast portion of the Site.

3.1.2 Watercourses

There are no watercourses present on the Site or immediate adjoining properties.

3.1.3 Coastal Features

The Site is located in the City of Moncton. There are no beaches, dunes, rock platforms, coastal marshes or diked lands on the Site or within 30 metres of the Site. There are no features in the area protected under *A Coastal Protection Policy for New Brunswick*.

3.1.3.1 General Geology

Surficial geological mapping indicates that the area is covered with blankets (0.5 to 3.0 meters thick) of Late Wisconsinan age morainal sediments that consist of loamy lodgement till, minor ablation till, silt, sand, gravel and rubble.

Bedrock geological mapping indicates that the bedrock in the area consists of Late Carboniferous-aged sedimentary bedrock.

3.1.4 Groundwater

The Site is located within an existing subdivision that is serviced with the City of Moncton municipal water services. Water for the City of Moncton is provided by the Turtle Creek reservoir, which is located more than 13 kilometres due south of the Site. The Site is not located within any protected wellfield areas, and groundwater in immediate proximity to the Site is not used as a potable drinking water supply. Given the fact that there are no communal or municipal groundwater wells in proximity to the Site, it is reasonable to assume that the Project will have no impact on the potable groundwater resources in the area.

3.1.5 Protected Wellfields/Watersheds

According to NBDELG records, the Site is not located within a watershed or wellfield protected area.

3.1.6 Ambient Air Quality

The Site is situated within an existing residential subdivision. Air quality is consistent with conditions expected to be present within a suburban residential area. There is currently no significant generation of dust or other emissions in the area surrounding the Project location.

3.1.7 Existing Ambient Noise Levels

The Site is situated within an existing residential subdivision. Ambient noise levels are consistent with conditions expected to be present within a suburban residential area (i.e., minor traffic noise, children playing, lawnmowers, snowblowers, etc.).

3.1.8 Fish Habitat

There are no open surface water bodies on-site or any immediate adjoining properties. There is no fish habitat on-site and the proposed project is not anticipated to impact fish or fish habitat.

3.1.9 Rare Flora and Fauna

Information from the ACCDC was obtained to provide desktop data of potentially rare species that may be present within five kilometres of the Site. The ACCDC data is presented in Appendix F.

The following table provides a list of rare flora and fauna that have been identified in the database and their current status and rarity rank:

Table 2 Summary of ACCDC Data

Species	COSEWIC	SARA	Provincial Legal Protection	Provincial Rarity Rank
FLORA				
Black Ash *(Fraxinus nigra)*	Threatened	-	-	S4 S5
FAUNA				
Atlantic Salmon – Inner Bay of Fundy pop. *(Salmo saler pop.1)*	Endangered	Endangered	Endangered	S2
Loggerhead Shrike *(Lanius ludovicianus)*	Endangered	Endangered	-	SXB, SXM
Eastern meadowlark *(Stumella magna)*	Threatened	Threatened	Threatened	S1B, S1M
Least Bittern *(Ixobrychus exilis)*	Threatened	Threatened	Threatened	S1S2B, S1S2M

Species	COSEWIC	SARA	Provincial Legal Protection	Provincial Rarity Rank
Wood Thrush *(Hylocichla mustelina)*	Threatened	Threatened	Threatened	S1S2B, S1S2M
Eastern Whip-Poor-Will *(Anrostomus vociferus)*	Threatened	Threatened	Threatened	S2B, S2M
Barn Swallow *(Hirundo rustica)*	Threatened	Threatened	Threatened	S2B, S2M
Bank Swallow *(Riparia riparia)*	Threatened	Threatened	-	S2S3B, S2S3M
Bobolink *(Dolichonyx oryzivorus)*	Threatened	Threatened	Threatened	S3B, S3M
American Eel *(Anguilla rostrata)*	Threatened	-	Threatened	S4
Barrows Goldeneye – Eastern pop. *(Bucephala islandica – Eastern pop.)*	Special Concern	Special Concern	Special Concern	S2M, S2N
Rusty Blackbird *(Euphagus carolinus)*	Special Concern	Special Concern	Special Concern	S3B, S3M
Olive-sided Flycatcher *(Contopus cooperi)*	Special Concern	Threatened	Threatened	S3B, S3M
Canada Warbler *(Cardllina canadensis)*	Special Concern	Threatened	Threatened	S3B, S3M
Common Nighthawk *(Chordeiles minor)*	Special Concern	Threatened	Threatened	S3B, S3M
Eastern Wood-Pewee *(Contopus virens)*	Special Concern	Special Concern	Special Concern	S4B S4M
Monarch *(Danaus plexippus)*	Endangered	Special Concern	Special Concern	S3B, S3M
Transverse Lay Beetle *(Coccinella transversoguttata richardsoni)*	Special Concern	-	-	SH
Wood Turtle *(Glyptemys insculpta)*	N/A	Threatened	Threatened	N/A
Bat hibernaculum or bat species occurrence[1]	N/A	Endangered	Endangered	N/A

Notes: [1.] Myotis lucifugus (Little Brown Myotis), Myotis septentrionalis (Long-eared Mytois) and Perimyotis subflavus (Tri-colored Bat or Eastern Pipistrelle) are all Endangered under Federal Species at Risk Act and the NB Species at Risk Act

Following a review of the desktop data, field studies were completed at the Site including wetland delineations and review of existing vegetation, and a bird survey. The details of the field studies are presented in the following sections.

3.1.10 Wetlands and Existing Vegetation

A wetland is present on a portion of the Site (PID 00939744) and extends onto the adjoining property to the south (PID 70629431); A wetland delineation was completed to determine the actual extents of the wetland on the Site.

A wetland delineation was completed on PID 00939744 (eastern portion of the Site) in June of 2020; the report has been provided under separate cover and is included in Appendix G (Overdale Environmental Inc.'s *"Standard Wetland Delineation, Belfry Street, Moncton, NB, PID 00939744"* dated June 16, 2020). The report indicates that the wetland delineation was conducted by Theo Popma, M.Sc., in accordance with the NB Wetland Conservation Policy and the Clean Environment Act. The field survey indicated that the Site has been impacted by the residential development that has occurred on surrounding properties; a portion of the wetland observed on-site has been cleared and partially in-filled. Vegetation in the area generally consists of mixed hardwood and softwood trees and shrubs (including Wild Raisin *(Viburnum nudum)*, Sheep Laurel *(Kalmia Angustifolia)* and Bunchberry *(Cornus canadensis)*) in dry forested areas, and shrub swamps/marshy conditions within the footprint of the wetland; vegetation within the wetland generally consists of Soft Rush *(Juncus effusus),* Silvery Sedge (*Carex cannescens),* and Canada Bluejoint *(Calamagrostis canadensis)*. The report indicates that approximately 0.7 hectares of wetland habitat are present on the southern portion of the Site; the wetland habitat reportedly consists of approximately 0.5 hectares of shrub swamp and 0.2 hectares of marsh.

A second wetland delineation was completed by Overdale Environmental Inc. to confirm the overall size of the wetland (i.e., size of the wetland on the adjoining property to the south that is connected to the wetland previously delineated on-site in 2020). The report has been provided under separate cover and is included in Appendix G (Overdale Environmental Inc.'s *"Wetland Delineation Report, Satara Drive, Moncton, NB"* dated July 12, 2021). The field survey was conducted by Theo Popma, M.Sc. The report indicates that approximately three hectares of wetland habitat was identified on the adjoining property to the south. Vegetation observed in the wetland included Leatherleaf *(Chamaedaphne clyculata),* Rhodora *(Rhododendron canadense),* Sheep Laurel *(Kalmia Angustifolia),* Tamarack *(Larix laricina),* and Soft Rush *(Juncus effusus).* Vegetation in areas upland of the wetland included Wild Raisin *(Viburnum nudum)*,

Balsam Fir *(Abeis Balsamea),* Gray Birch *(Betula populifolia),* Starflower *(Trientalis borealis)* and Wild Lilly of the Valley *(Maianthemum canadense).*

The results of the two wetland delineations confirm that the wetland, in total, is 3.7 hectares in area. The Project will include the infilling of 0.7 hectares of this wetland on PID 00939744. The remaining 3 hectares of wetland will not be impacted by the construction of the Project.

3.1.11 Birds and Bird Habitat

Roland Chiasson, a biologist with Aster Group Environmental Services Co-op was retained by Hive to conduct a bird survey within the Project footprint. The report has been provided under separate cover and is included in Appendix H (Aster Group Environmental Services Co-op's *"CV Homes Bird Survey"* dated June 21, 2021).

The purpose of the habitat assessment was to determine the quantity and quality of the bird habitat that exists within the Development Area, and to identify any bird Species of Conservation Concern (SOCC) in the area.

Prior to conducting the field reconnaissance, desktop data provided by the Maritime Bird Breeding Atlas and ACCDC was reviewed to preliminarily determine birds that are known or suspected to be present within a 100-kilometre radius of the project footprint. Particular to the bird habitat survey, the database search provided the following information:

- Reported observations of rare and endangered birds; and
- Expert Opinion Maps identifying species that have not been reported but are expected to be present based upon estimates of habitat and wildlife distribution.

Recognized bird survey techniques were followed by the biologist in the field to determine the presence of suitable bird habitat or bird behaviour to determine whether any endangered or bird species at risk were present in the Project area.

According to the report provided by Aster Group Environmental Services Co-op, bird species at risk or species of conservation including Bobolink *(Dolichonyx oryzivorus)*, Rusty Blackbird *(Euphagus carolinus)*, Common Nighthawk *(Chordeiles minor),* and Eastern Kingbird *(Tyrannus tyrannus)* in a suitable habitat within 100-kilometres of the Site had been identified in the ACCDC data. However, the biologist did not observe or hear any of the aforementioned birds during the field study. The biologist also indicated that the habitat available for species at risk is limited as the majority of the Site appears to have been previously cleared. The biologist did indicate that

hardwood trees and common bird species were observed on the Site. To mitigate risk to nesting/breeding birds, all clearing and grubbing will be completed outside of the nesting/breeding bird season, as recommended by Environment Climate Change Canada (ECCC).

The Project is situated in Zone C3 of the nesting zones in Canada (as outlined by the Government of Canada). The regional nesting period in this area is Mid-April to Late-August; therefore, the clearing and grubbing is proposed to take place outside of these dates. In the event that the clearing/grubbing cannot be completed outside of the nesting/breeding season, a bird biologist will be present on-site during the work to prevent accidental injury or death to nesting/breeding birds.

3.1.12 Environmentally Sensitive Areas

There are no environmentally sensitive areas reported within proximity to the Site.

3.2 Cultural Features

3.2.1 Traditional Use

The area surrounding the Site consists of suburban residential development. The Site and surrounding area are not known to be used provincially, federally or locally for tourism operations or cultural activities, nor is it used for hunting, fishing, gathering or other traditional uses by First Nations.

There is no known heritage or building heritage resources/areas such as historic sites, buildings or structures, national/provincial parks, fossil sites within proximity to the Site.

3.2.2 Archaeology and Heritage Resources

A map of the Site and surrounding area was obtained from the New Brunswick Heritage and Archaeological Services Branch to determine whether any known or suspected archaeological sites may be present in the area. The map indicates that there are no known heritage resources or archaeology sites in the area surrounding the Project. The map is presented in Appendix I.

3.2.3 Existing and Historic Land Uses

The adjoining properties immediately north and west of the Site are occupied by single-family or two-unit residential dwellings that are privately owned. The adjoining properties to the south are vacant and vegetated and the adjoining property to the east is a walking trail; these properties are both owned by the City of Moncton. Roadways in the area (Augusta Terrace to the north,

Muirfield Drive to the east, Ryan Street to the west and Satara Drive to the south) are all owned and operated by the City of Moncton.

The Site is situated in an existing subdivision in the north end of Moncton; the Site and surrounding areas were historically vacant and wooded prior to development for residential use. The residential subdivisions in proximity to the Site have been predominantly developed over the last 20 years.

Historical aerial photography confirms that the Site and surrounding lands have been vacant woodland/wetland since at least 1944. According to NBDELG records, the Site is not registered within the provincial contaminated sites management database. Based on our review of the historical land use of the property and other supplementary records, the Site and adjoining lands are not suspected to be contaminated sites.

3.3 Socio-Economic Considerations

The project will have an overall positive effect on the local economy. New housing options in an already developed area within the municipal boundary will help to close the gap associated with the current housing shortage in the City of Moncton. It will also reduce potential for additional urban sprawl and result in a reduction in greenhouse gas emissions related to 1) commuting into and out of the city and 2) providing alternative options for transportation (i.e., walking, biking, skateboarding, etc.) due to the developments close proximity to schools, amenities and public transit.

The construction of new residential dwellings will generate property tax revenue for the City of Moncton. It will also provide work for laborers employed by a New Brunswick-owned and operated company. The completion of the work will permit the continued economic growth of the City of Moncton.

4.0 IDENTIFICATION OF POTENTIAL ENVIRONMENTAL IMPACTS

The Site is situated within an existing subdivision and will be developed for the construction of 50, two-unit residential dwellings. The development will include the construction of storm water detention ponds and municipal water, storm and sanitary sewer infrastructure to service the new residential units.

The proposed undertaking will involve new construction and development within an existing subdivision. Potential environmental impact considerations associated with the expansion project could include the following:

- Solid waste generated as part of general construction activities (i.e., excess PVC piping, concrete, asphalt, cardboard, plastics etc.). The **impact avoidance** measures used to limit the impact associated with construction waste is discussed in further detail in Section 5.0.
- Disturbance of fauna that may be present in the area. The **impact avoidance** measures used to mitigate the potential impact to fauna is discussed in further detail in Section 5.0.
- Noise and airborne emissions (volatile organics) associated with the operation of machinery, vehicles and equipment. The **impact reduction** used to mitigate the effects of noise and airborne emissions during construction are discussed in further detail in Section 5.0.
- Dust associated with exposed soils and/or wind. The **impact reduction** used to mitigate dust emissions during construction are discussed in further detail in Section 5.0.
- Sediment in runoff during construction. The **impact reduction** used to mitigate sediment runoff and erosion during construction are discussed in further detail in Section 5.0.
- Minor releases of hydraulic/diesel spills from equipment, vehicles and machinery operating on-site. The **impact reduction** used to mitigate potential fuel spills during construction are discussed in further detail in Section 5.0.
- Result in the net loss of 0.7 hectares of a 3.7-hectare wetland. The **impact compensation** associated with the loss of wetland is discussed in further detail in Section 5.0.

5.0 SUMMARY OF PROPOSED MITIGATION

A summary of the proposed mitigation efforts associated with the Undertaking are outlined herein. For purposes of this Project, there are no environmental impacts that cannot be mitigated through the establishment of compensation projects, best management practices (BMPs) and/or proper management and operational practices. The mitigation measures to avoid, reduce and compensate for any potential impacts to the surrounding environment are presented in the following sections.

5.1 Impact Avoidance

5.1.1 Waste

To avoid the potential impact to the environment associated with construction waste generated on-site, the construction site will have multiple disposal bins for solid waste. All solid waste generated on-site will be temporarily placed into designated disposal bins. The waste bins will be taken off-site for disposal at an approved facility (either a C&D disposal facility or the sanitary landfill). No construction waste will remain on-site following the completion of the Project.

5.1.2 Disturbance of Fauna

To avoid the potential impact to fauna (predominantly birds) identified in the area, any grubbing or clearing of the Site will take place outside of the breeding/nesting season as advised by Environmental Climate Change Canada (i.e., outside of the months of mid-April to late-August).

ACCDC data identified the presence of two other species (Wood Turtle *(Glyptemys insculpta)* and Bat hibernaculum or bat species) within a 5-kilometre radius of the Site. Given the fragmented nature of the wetland (i.e., no ability to migrate in or out of the habitat) and lack of aquatic habitat (i.e., no substantial depth of water), it is unlikely that the area is suitable habitat for Wood Turtles. There is no known hibernaculum on-site that would suggest that bats would overwinter on the property.

5.1.3 Leak/Spill Prevention Plans

The contractor will have a spill prevention plan prepared prior to commencement of construction. The plan will require all operating machinery on-site to be in good working condition and designate areas for overnight equipment storage (if necessary). Overnight storage of vehicles and materials will not be situated in proximity to the wetland on the southern portion of the Site. Bulk storage of fuel for vehicles/equipment will not be present on-site at any point in time and vehicles/equipment will not be fuelled or maintained on-site. Any routine maintenance or fuelling will take place off-site.

5.1.4 Environmental and Safety Training for Personnel On-Site

All construction and operation personnel will have the appropriate health and safety training prior to working on-site. In addition, all equipment operating on-site will be equipped with emergency spill kits in the event of a minor fuel release (i.e., hydraulic oil, diesel). Staff will be trained in emergency response measures in the event of a minor spill (i.e., placement of oil absorbent booms, absorbent granular material, etc.). Any minor leaks will be immediately reported to the site supervisor and the NBDELG.

5.2 Impact Reduction

5.2.1 Noise and Airborne Emissions

To reduce the potential impact to the surrounding environment associated with noise and airborne emissions (volatile organics), the operation of machinery, vehicles and equipment will take place during routine business hours (7 am to 7pm, Monday through Friday). This will also be mitigated by ensuring equipment is in good condition and by establishing a no-idling policy. Any

increase in noise levels or airborne emissions will only take place during the construction phase; upon completion of the Project, there will be no long-term increase in noise or airborne emissions on the Site in comparison to surrounding areas, as the land use will be the same as surrounding areas (i.e., typical residential subdivision).

5.2.2 Dust Emissions

In order to mitigate fugitive dust emissions, the Proponent will minimize exposed stockpile areas of overburden material during the construction phases of the Project (i.e., will be reused or taken off-site). If dust becomes an issue, water trucks will be used to moisten exposed soils to limit dust emissions. Upon completion of work in any area of the Site, appropriate stabilization methods (i.e., hydroseeding, sodding or mulching) will be implemented to reduce the potential for dust emissions.

5.2.3 Erosion and Sedimentation

Prior to commencement of the project, erosion and sediment control (ESC) structures will be installed based upon the recommendations of a licensed civil engineer. To reduce or eliminate potential for erosion and/or sedimentation, the ESC structures will be inspected on a regular basis to ensure that they are functioning as intended.

Excavated soils, grubbings and fill will not be stored in immediate proximity to the wetland located to the south of the Site to reduce potential for off-site impacts. In the event of a major rain event, stockpiled materials will be taken off-site or tarped to eliminate the potential for sediment in runoff.

5.2.4 Stormwater Management Plan

A stormwater management plan was developed for the Project in accordance with the City of Moncton requirements. The plan includes the construction of a stormwater detention pond, which will mitigate post-construction, off-site stormwater flows. This will mitigate impacts to downstream receiving bodies of water.

5.2.5 Fuel Oil Spills from Equipment used during Construction and Operation

To reduce the potential for minor fuel spills during construction and operation activities, all equipment should be in good working condition and free of any known fluid leaks. Inspection of the equipment will also be completed regularly in order to prevent any equipment failure which could potentially cause a fuel release. Spill kits will be available in proximity to any fuel-operated

machinery in the event of an unexpected release. Any releases of fuel would be reported to NBDELG and remediated immediately in accordance with provincial guidelines.

5.2.6 Site Inspections

The Project will be inspected by representatives of engineering firms for geotechnical, civil and material testing services in accordance with the requirements of the City of Moncton.

In addition, the site supervisor will complete daily inspections of all equipment and ESC structures. Any equipment determined not to be in good working order will be removed from the Site. In the event that the site supervisor identifies a deficiency in ESC structures on-site, work on-site will stop until the ESC structure has been restored to operate as intended.

5.3 Impact Compensation

5.3.1 Infilling of the Existing Wetland

Approximately 0.7 hectares of a 3.7-hectare wetland will be infilled as part of the Project. The infilling of the wetland cannot be avoided in order to achieve the density required to make the Project economically feasible. The Project will leave the remaining 3 hectares of wetland on the adjoining property to the south untouched. In order to compensate for the loss of wetland, the Proponent has committed to funding a compensation project to mitigate the net loss of wetland. The compensation will be conducted based on the requirements outlined in the NBDELG's "Wetland Compensation General Guidance" dated August 19, 2020.

6.0 PUBLIC AND FIRST NATIONS ENGAGEMENT

It is understood that the Project will require engagement with the public and First Nations communities in the area. Once this EIA registration document has been posted on the Government of New Brunswick website for public access, Hive will conduct engagement with the public and First Nations communities that might be impacted by the project. The Proponent is committed to addressing questions, concerns and suggestions raised by the public or First Nations groups throughout the approval process.

7.0 APPROVAL OF PROJECT

The following approval is required for the proposed project:

- Authorization/conditional approval of the undertaking under the provincial EIA requirements outlined in NB Regulation 87-83.

- Watercourse and Wetland Alteration Permit under the Clean Water Act in NB Regulation 90-80.

The Proponent has already engaged the City of Moncton with regards to the construction permit and approvals process, which are not being overseen by Hive Engineering. However, these approvals are being carried out in tandem with the submission of the EIA registration document. No other permits or approvals are known to be required at this time.

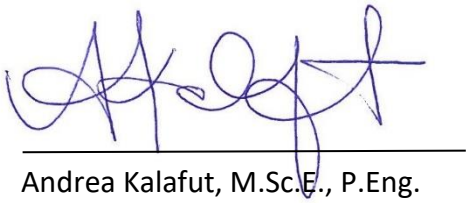
8.0 FUNDING

The project is solely funded by the Proponent and does not include any municipal, provincial, or federal funding.

9.0 SIGNATURE

This EIA registration document was prepared by a team of professionals from Hive Engineering Limited on behalf of the Proponent.

Date: December 1, 2021



Andrea Kalafut, M.Sc.E., P.Eng.
Senior Environmental Engineer
Hive Engineering Limited

10.0 CLOSURE

This report has been prepared for the sole benefit of RobAly Homes Inc. This report and any of its content cannot be relied upon by any other person or entity without the express written consent of Hive Engineering Limited and RobAly Homes Inc. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Hive Engineering Limited accepts no responsibility for damages incurred by any third party resulting from decisions or actions based on the content of this report.

The conclusions presented herein represent the best technical judgement of Hive Engineering personnel based on current engineering and scientific practices and environmental standards at the time the work was performed. The conclusions are based on the site conditions encountered at the time the work was performed at the locations presented in this report.

11.0 REFERENCES

Aster Group Environmental Services Co-op. “CV Homes Bird Survey”. June 21, 2021.

Atlantic Canada Conservation Data Centre. “Data Report 6980: Moncton, NB”. Juned 22, 2021.

Atlas of Canada. Toporama Map, obtained by Hive Engineering on November 30, 2021.

J.R. Daigle Engineering Ltd. “Magnetic Hill Estates Subdivision, Unit No. 8 Roadways, Water & Sewer Services As-Built”. July 2005.

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New Brunswick Department of Environment, Wellfield Protection Area Designation Order. Clean Water Act. September 2000.

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New Brunswick Department of Natural Resources. “Bedrock Geology of New Brunswick”. Minerals, Policy and Planning Division. Map NR-1 (2008 Edition). Scale 1:500,000 (Revised December 2008).

Overdale Environmental Inc. “Standard Wetland Delineation, Belfry Street, Moncton, NB, PID 00939744”. June 16, 2020.

Overdale Environmental Inc. “Wetland Delineation Report, Satara Drive, Moncton, NB”. July 12, 2021.

Rampton, V.N., 1984. “Generalized surficial geology map of New Brunswick” Department of Natural Resources and Energy, Minerals, Policy and Planning Division. NR-8 Scale 1:500,000.

WSP. “New Residential Development, Street Layout and Servicing Schematic”. February 4, 2021.

WSP. “Record Drawing Plan and Profile, Satara Drive, Liberty Hill Estates, Unit 5, Phase 2, Moncton, New Brunswick”. January 2019.

WSP. Topographic Map of Site, “Job: 201-08268”.

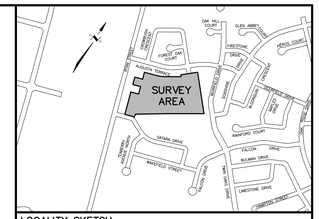
WSP. “Unit #10 Amending Subdivision Plan: Magnetic Hill Estates Subdivision, Amending Liberty Hill Subdivision Unit 5, Phase 2 Plan 37945491 Situated on the North Side of Promenade Satara Drive, Cit y of Moncton, Parish of Moncton, County of Westmorland, Province of New Brunswick”. December 11, 2020.

Service New Brunswick. Registry and Mapping Services. (www.planetsnb.ca).

APPENDIX A

Preliminary Subdivision Plan

APPROVALS



LOCALITY SKETCH

LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SURVEY SYSTEM COORDINATE MONUMENT		FOUND	F.d.
STANDARD SURVEY MARKER PLACED		CALCULATED	(c)
STANDARD SURVEY MARKER FOUND		REGISTERED	Reg.
CALCULATED COORDINATE POINT		DERIVED FROM A SOURCE OTHER THAN THE SURVEYOR'S MEASUREMENTS	(d)
TABULATED COORDINATE REFERENCE		NBLS REGISTRATION NUMBER	#364
SCRIBED WOODEN SURVEY POST		SQUARE METRE(S)	m²
WOODEN SURVEY POST		MILLIMETER(S)	mm
SQUARE IRON BAR FOUND		HECTARE	ha
IRON PIPE FOUND		RADIUS	R
ROUND IRON BAR FOUND		DIAMETER	ø
BOREHOLE / TESTPIT		NEW BRUNSWICK LAND SURVEYOR	NBLS
WATER VALVE / FIRE HYDRANT		ELEVATION	ELEV.
CATCH BASIN		INVERT	INV.
CURB MOUNTED CATCH BASIN		FENCE	——x——
SQUARE CATCH BASIN		OVERHEAD LINE(S)	——o/h——o/h——
SLUICE BOX		CENTRELINE	—— ø ——
MANHOLE		UNDERGROUND LINE(S)	——u/g——u/g——
UTILITY POLE / GUY		CURB	
CULVERT		TOP OF ROCK	
LIGHT STANDARD		BOTTOM OF ROCK	
TREE(S) CONIFEROUS OR DECIDUOUS		TOP OF SLOPE	
		BOTTOM OF SLOPE	
WELL		WATER LINE	——W——W——
SIGN		TREELINE	
PAINTED LINE		SANITARY SEWER LINE	——SAN——▶MH1
LANDS DEALT WITH BY THIS PLAN		STORM SEWER LINE	——STM——▶MH1
		ORDINARY HIGH WATER MARK	——O.H.W.M.——

UTILITIES APPROVAL

PURSUANT TO SECTION 5 OF "DESIGNATED EASEMENTS REGULATION" 84-217, THE PUBLIC UTILITY EASEMENT(S) ON THIS PLAN VEST(S) IN NEW BRUNSWICK POWER CORPORATION AND BELL CANADA, WITH THE FILING OF THIS PLAN.

DATED
NEW BRUNSWICK POWER CORPORATION

DATED
BELL CANADA

DOCUMENT

PURSUANT TO SECTION 88(6)(b) OF THE COMMUNITY PLANNING ACT, 2017, c.19, THE FUTURE STREET(s) SHOWN ON PLAN 37945491 VESTED IN THE CITY OF MONCTON WITH THE FILING OF SAID PLAN.

OWNER'S STATEMENT

WE, THE UNDERSIGNED, DO HEREBY CERTIFY THAT WE REPRESENT THE REGISTERED OWNERS OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN.

DAWN ARNOLD (MAYOR)
FOR: THE CITY OF MONCTON

BARBARA QUIGLEY (CITY CLERK)
FOR: THE CITY OF MONCTON

OWNER'S STATEMENT

I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT I REPRESENT THE REGISTERED OWNER OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN.

ROBERT LEBLANC – PRESIDENT
FOR ROBALY HOMES INC.

DOCUMENTS

PIDs 939744 AND 701813181
IMMEUBLES PERFECTION / PERFECTION REALTY INC. TO ROBALY HOMES INC.
DATED 2018-06-15
REGISTERED 2018-06-15
TRANSFER NUMBER 38093200

CROs DATED:

PURPOSE OF PLAN

TO AMEND FUTURE STREET, PLAN 37945491.
-TO CREATE LOTS 20-1 TO 20-50 FOR RESIDENTIAL BUILDING PURPOSES.
-TO CREATE LOT 20-1000, TO BE CONVEYED TO THE CITY OF MONCTON.
-TO CREATE RUE BELFRY STREET (PUBLIC) AND COURT 1 (PUBLIC), AS PURSUANT TO 88(6)(a) OF THE COMMUNITY PLANNING ACT, 2017.
-TO CREATE PUBLIC UTILITY EASEMENTS (P.U.E.) SHOWN THUS ——— ———, PURSUANT TO SECTION 5, REGULATION 84-217, OF THE COMMNITY PLANNING ACT.

NOTES

-DIRECTIONS ARE N.B. GRID AZIMUTHS DERIVED FROM THE SERVICE NEW BRUNSWICK'S HIGH PRECISION NETWORK ACTIVE CONTROL SYSTEM.
-THE SCALE FACTOR USED WAS 1.0000.
-THE DOCUMENT NUMBERS REFERRED TO ON THIS PLAN ARE THOSE OF THE COUNTY REGISTRY OFFICE.
-ADJACENT OWNER INFORMATION OBTAINED FROM SNB RECORDS.
-AS USED HEREIN, THE WORD CERTIFY SHALL MEAN AN EXPRESSION OF THE CONSULTANT'S PROFESSIONAL OPINION TO THE BEST OF IT'S INFORMATION, KNOWLEDGE AND BELIEF, AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE BY THE CONSULTANT.
-ALL DISTANCES SHOWN ARE CALCULATED GRID DISTANCES.
-CERTIFICATION IS NOT MADE AS TO LEGAL TITLE, BEING THE DOMAIN OF A LAWYER, NOR TO THE ZONING & SETBACK BY-LAWS OR REGULATIONS, BEING THE DOMAIN OF A DEVELOPMENT OFFICER.
-CERTIFICATION IS NOT MADE AS TO COVENANTS SET OUT IN THE DOCUMENT(S) AND THE LOCATION OF ANY UNDERGROUND SERVICES AND/OR FIXTURES, PERMANENT OR OTHERWISE.
-FIELD SURVEY WAS COMPLETED AUGUST 17, 2020.

NO ONE MAY COPY, REPRODUCE, DISTRIBUTE, OR SELL THIS PLAN WITHOUT THE PERMISSION OF WSP CANADA INC.
© 2020

UNIT #10
AMENDING SUBDIVISION PLAN:

MAGNETIC HILL ESTATES SUBDIVISION

AMENDING LIBERTY HILL SUBDIVISION UNIT 5, PHASE 2 PLAN 37945491
SITUATED ON THE NORTH SIDE OF PROMENADE SATARA DRIVE,
CITY OF MONCTON, PARISH OF MONCTON,
COUNTY OF WESTMORLAND, PROVINCE OF NEW BRUNSWICK

SCALE 1:500 — metres: 10 0 10 20 30 40

wsp
1070 ST. GEORGE BOULEVARD, SUITE 160
MONCTON, NEW BRUNSWICK
E1E 4C9 CANADA
PHONE: 506 857-9675
WWW.WSP.COM

SURVEYOR'S STATEMENT

I HEREBY CERTIFY THAT THIS PLAN IS CORRECT.

NEW BRUNSWICK LAND SURVEYOR #381 BRANDON M. MCCLELLAND
SIGNATURE
2020-12-11
DATE
GÉOMÈTRE DU NOUVEAU-BRUNSWICK

TENTATIVE

VALIDATION SEAL

A.N.B.L.S. No. – A.A.C.N.-B.

DRAWN:	NJB	FIELD:	SGD
JOB:	201-08268	CAD:	201-08268-600
CHECKED:	–		
ZONE:	14T-86		

APPENDIX B

As-Builts

03-15a

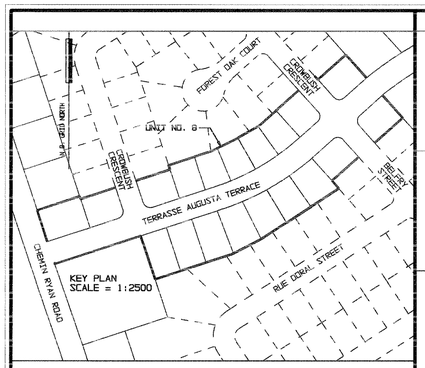
03-15a

MAGNETIC HILL ESTATES SUBDIVISION

UNIT No. 8

ROADWAYS, WATER & SEWER SERVICES

AS - BUILT



DWG. No.	DRAWING TITLE
ME-1-AB-1	WATERMAIN AS-BUILT
ME-1-AB-2	SANITARY & STORM MAIN AS-BUILT
ME-1-AB-3	SERVICES AS-BUILT

PIPE WORK

CONTRACTOR:
PERFECTION CONTRACTING

FOREMAN:
GUY BOUCHARD

INSPECTOR:
PAUL RICHARD

CONTRUCTION PERIOD:
JANUARY - JUNE, 2003

INSPECTION & PROVISIONAL ACCEPTANCE:
DATE: APRIL 11, 2003
PRESENT: BRENDA DORE-KIDNEY , CITY OF MONCTON
ERNIE WEAVER , CITY OF MONCTON
GARY BURLOCK , CITY OF MONCTON
GUY BUCHARD , PERFECTION CONTRACTING
PAUL RICHARD , J.R. DAIGLE ENGINEERING LTD.

CURB & GUTTER WORK

CONTRACTOR:
BASTECH CONSTRUCTION LTD.

FOREMAN:
ZOEL BASQUE

INSPECTOR:
SIMON CHIPPER

CONTRUCTION PERIOD:
JUNE, 2003

Developer : EASTCAN TRADING LIMITED
Consultant : J.R. DAIGLE ENGINEERING LTD.

C:\MAGNETICHILL\UNIT8\ABCOVER JULY, 2005

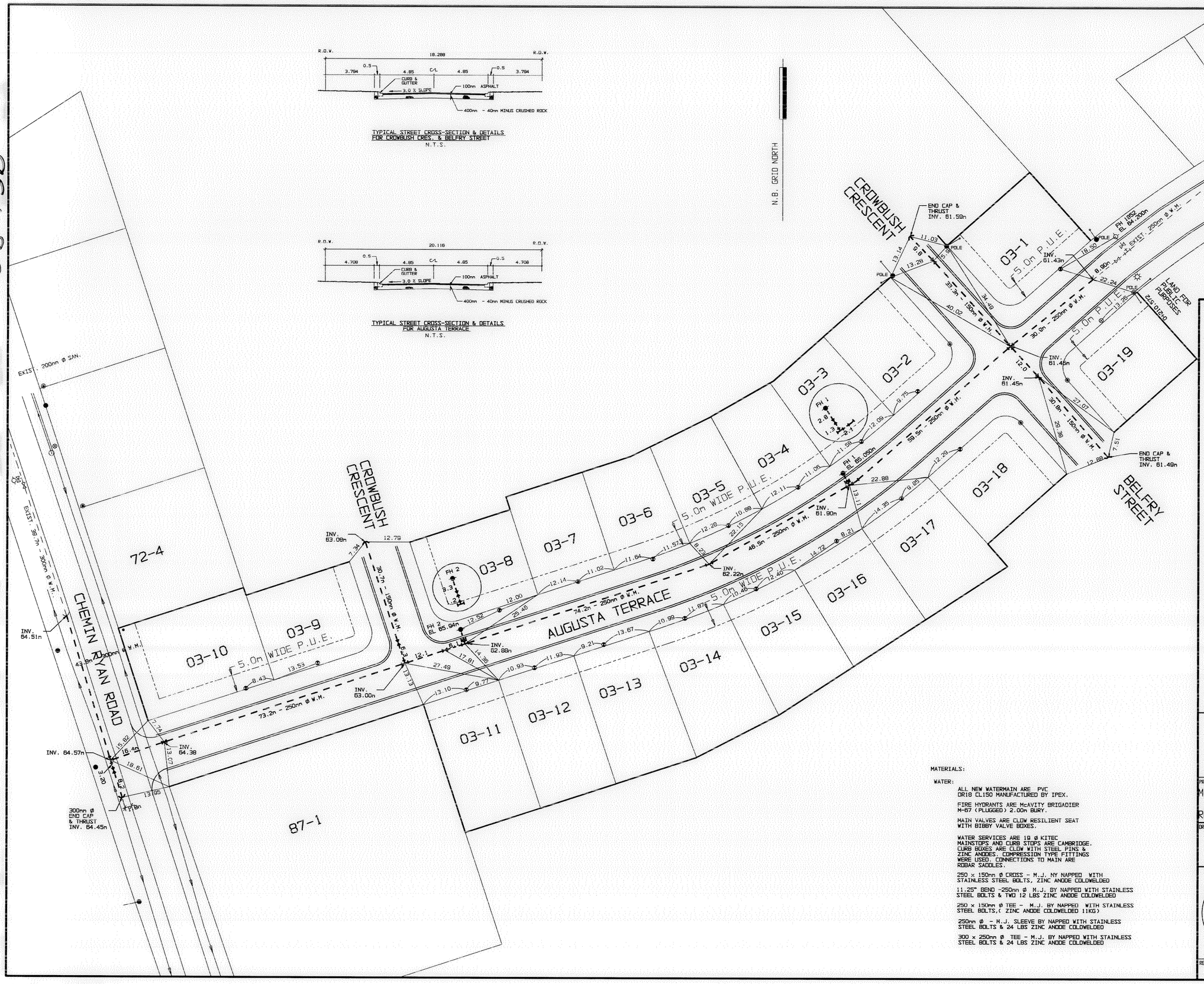
03-15a

MAGNETIC HILL ESTATES SUBDIVISION
UNIT 8
ROADWAYS, WATER & SEWER SERVICES
COVER SHEET
AUGUSTA TERR., CROWBUSH CRES., BELLPHY ST.
J.R. DAIGLE ENGINEERING LTD 1 OF 4

03-156

TYPICAL STREET CROSS-SECTION & DETAILS
FOR CROWBUSH CRES. & BELFRY STREET
N.T.S.

TYPICAL STREET CROSS-SECTION & DETAILS
FOR AUGUSTA TERRACE
N.T.S.



MATERIALS:

WATER:

ALL NEW WATERMAIN ARE PVC DR18 CL150 MANUFACTURED BY IPEX.

FIRE HYDRANTS ARE McAVITY BRIGADIER M-67 (PLUGGED) 2.00m BURY.

MAIN VALVES ARE CLOW RESILIENT SEAT WITH BIBBY VALVE BOXES.

WATER SERVICES ARE 19 ø KITEC MAINSTOPS AND CURB STOPS ARE CAMBRIDGE. CURB BOXES ARE CLOW WITH STEEL PINS & ZINC ANODES. COMPRESSION TYPE FITTINGS WERE USED. CONNECTIONS TO MAIN ARE ROBAR SADDLES.

250 x 150mm ø CROSS - M.J. NY NAPPED WITH STAINLESS STEEL BOLTS, ZINC ANODE COLDWELDED

11.25° BEND -250mm ø M.J. BY NAPPED WITH STAINLESS STEEL BOLTS & TWO 12 LBS ZINC ANODE COLDWELDED

250 x 150mm ø TEE - M.J. BY NAPPED WITH STAINLESS STEEL BOLTS,(ZINC ANODE COLDWELDED 11KG)

250mm ø - M.J. SLEEVE BY NAPPED WITH STAINLESS STEEL BOLTS & 24 LBS ZINC ANODE COLDWELDED

300 x 250mm ø TEE - M.J. BY NAPPED WITH STAINLESS STEEL BOLTS & 24 LBS ZINC ANODE COLDWELDED

LEGEND

ITEM	EXISTING	AS-BUILT
SANITARY MANHOLE	○	○
STORM MANHOLE	⊘	●
SANITARY SEWER		
STORM SEWER		
CATCH BASIN	⊘	⊘
SLUICE BOX	▥	▮
CULVERT		
WATERMAIN		
GATE VALVE	⋈	⋈
HYDRANT	◇	◆
TEE	⊥	⊥
BEND	⌒	⌒
END CAP	)	)
CURB STOP	⊗	●
UTILITY POLE	● PLE	
GUY WIRE	—	—
LIGHT STANDARD	☼	☼
OVERHEAD UTILITY LINE	—O/H—	
UNDERGROUND UTILITY	—U/G—	
FENCE	—x—	
TREE LINE	∿∿	
EDGE OF BANK	TTTTTT	
MARSH	⁂	
GROUND ELEVATION	45.23	
SURVEY MARKER	⊙	
N.B. GRID MONUMENT	△	
SIGN	▮	
CURB & GUTTER		

NOTES:

1. ALL ELEVATIONS ARE IN REFERENCE TO GEODETIC DATUM AND REFERRED TO THE EXTREME TOP OF FIRE HYDRANT No. 1853 ELEV. 64.20m.

2. FINISH CENTERLINE (C/L) GRADE IS THE FUTURE TOP OF ASPHALT, THEREFORE THE CRUSHED ROCK GRADE IS 100mm LOWER THAN FINISH CENTERLINE GRADE.

3. ALL MATERIALS AND CONSTRUCTION METHODS IS IN ACCORDANCE WITH THE CITY OF MONCTON STANDARD MUNICIPAL SPECIFICATIONS.

J. R. DAIGLE INGENIERIE LTEE.
J. R. DAIGLE ENGINEERING LTD.

PROJECT TITLE:
MAGNETIC HILL ESTATES SUBDIVISION
UNIT No. 8
ROADWAYS, WATER & SEWER SERVICES

DRAWING TITLE:
WATERMAIN AS-BUILT

REGISTERED PROFESSIONAL ENGINEER Province of New Brunswick #3239 M. J. Bobineau 2005-06-06 DATE Province du Nouveau-Brunswick INGENIEUR ENREGISTRE

DESIGNED BY:	CHECKED BY:
M.B.	J.R.D.
DRAWN BY:	CHECKED BY:
A.J.L.	J.R.D.
DATE:	SCALE:
JULY, 2005	HORIZ-1:500
DATE ISSUED:	

REVISION: 0

DRAWING No.: ME-1-AB-1 of 3

C:\MAGNETIC HILL\UNIT8\ABSHT1 JULY, 2005

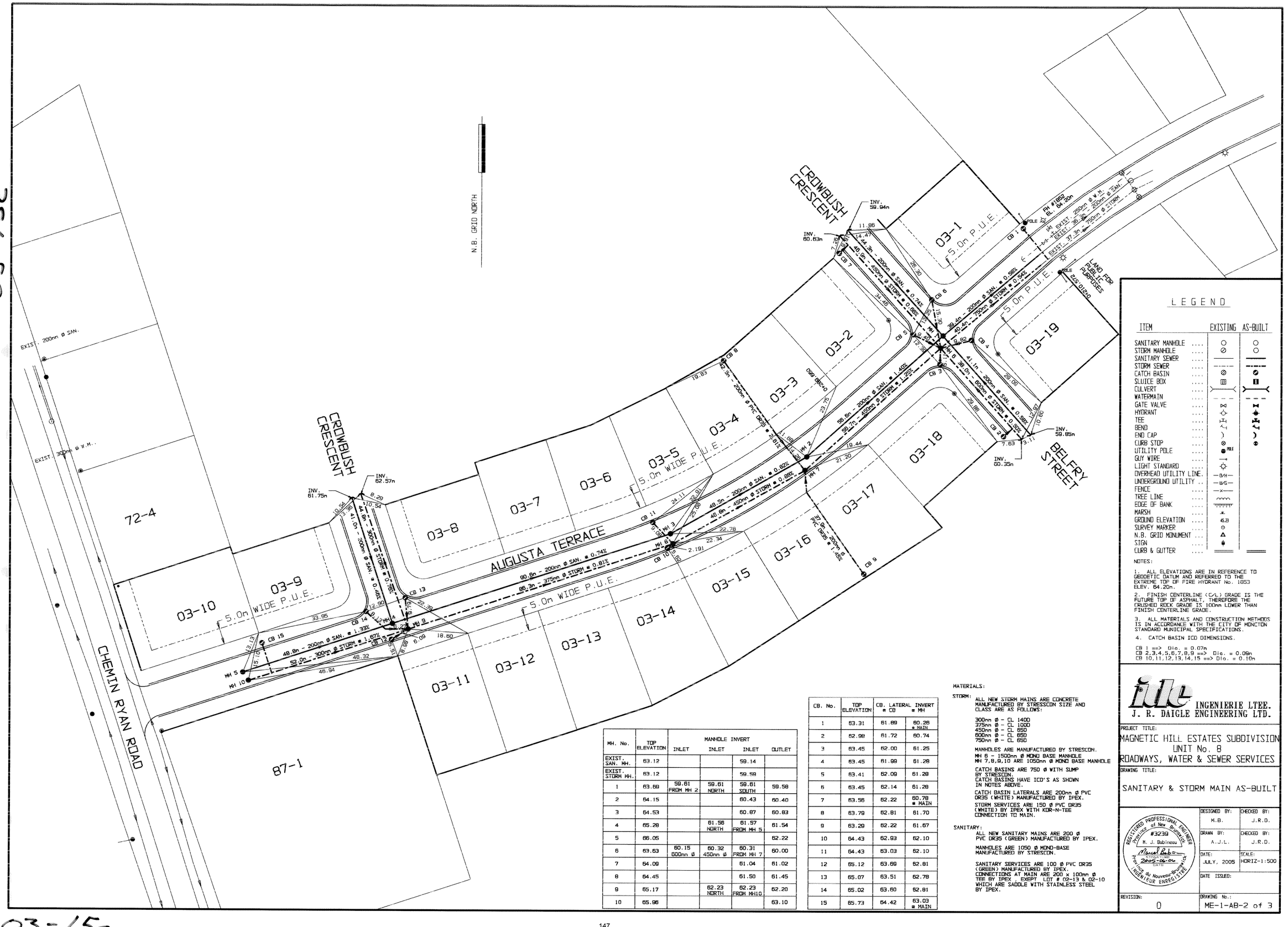
MAGNETIC HILL ESTATES SUBDIVISION
UNIT 8
ROADWAYS, WATER & SEWER SERVICES
WATER MAIN
AUGUSTA TERR., CROWBUSH CRES., BELFRY ST.
J.R. DAIGLE ENGINEERING LTD
2 OF 4

03 - 15 b

03-156

03 - 15 c

03-15c



LEGEND

ITEM	EXISTING	AS-BUILT
SANITARY MANHOLE	○	○
STORM MANHOLE	⊘	⊘
SANITARY SEWER	——	——
STORM SEWER	- - - -	- - - -
CATCH BASIN	⊘	⊘
SLUICE BOX	▥	▥
CULVERT	⟩⟨	⟩⟨
WATERMAIN	- - - -	- - - -
GATE VALVE	⋈	⋈
HYDRANT	⊹	⊹
TEE	⊥	⊥
BEND	⟩	⟩
END CAP	⊗	⊗
CURB STOP	● PALE	● PALE
UTILITY POLE	→	→
GUY WIRE	☼	☼
LIGHT STANDARD	—O/H—	—O/H—
OVERHEAD UTILITY LINE	—U/G—	—U/G—
UNDERGROUND UTILITY	—x—	—x—
FENCE	~~~	~~~
TREE LINE	'''''''''	'''''''''
EDGE OF BANK	⁂	⁂
MARSH	45.21	45.21
GROUND ELEVATION	⊙	⊙
SURVEY MARKER	△	△
N.B. GRID MONUMENT	▮	▮
SIGN		
CURB & GUTTER		

NOTES:

1. ALL ELEVATIONS ARE IN REFERENCE TO GEODETIC DATUM AND REFERRED TO THE EXTREME TOP OF FIRE HYDRANT No. 1853 ELEV. 64.20m.

2. FINISH CENTERLINE (C/L) GRADE IS THE FUTURE TOP OF ASPHALT, THEREFORE THE CRUSHED ROCK GRADE IS 100mm LOWER THAN FINISH CENTERLINE GRADE.

3. ALL MATERIALS AND CONSTRUCTION METHODS IS IN ACCORDANCE WITH THE CITY OF MONCTON STANDARD MUNICIPAL SPECIFICATIONS.

4. CATCH BASIN ICD DIMENSIONS.

CB 1 ==> Dia. = 0.07m
CB 2,3,4,5,6,7,8,9 ==> Dia. = 0.09m
CB 10,11,12,13,14,15 ==> Dia. = 0.10m

MH. No.	TOP ELEVATION	MANHOLE INVERT INLET	INLET	INLET	OUTLET
EXIST. SAN. MH.	63.12			59.14	
EXIST. STORM MH.	63.12			59.59	
1	63.69	59.81 FROM MH 2	59.61 NORTH	59.61 SOUTH	59.58
2	64.15			60.43	60.40
3	64.53			60.87	60.83
4	65.28		61.56 NORTH	61.57 FROM MH 5	61.54
5	66.05				62.22
6	63.63	60.15 600mm ø	60.32 450mm ø	60.31 FROM MH 7	60.00
7	64.09			61.04	61.02
8	64.45			61.50	61.45
9	65.17		62.23 NORTH	62.23 FROM MH10	62.20
10	65.96				63.10

CB. No.	TOP ELEVATION	CB. LATERAL INVERT @ CB	@ MH
1	63.31	61.89	60.26 @ MAIN
2	62.98	61.72	60.74
3	63.45	62.00	61.25
4	63.45	61.99	61.28
5	63.41	62.09	61.28
6	63.45	62.14	61.28
7	63.56	62.22	60.78 @ MAIN
8	63.79	62.81	61.70
9	63.29	62.22	61.67
10	64.43	62.93	62.10
11	64.43	63.03	62.10
12	65.12	63.69	62.81
13	65.07	63.51	62.78
14	65.02	63.60	62.81
15	65.73	64.42	63.03 @ MAIN

MATERIALS:

STORM:
ALL NEW STORM MAINS ARE CONCRETE MANUFACTURED BY STRESSCON SIZE AND CLASS ARE AS FOLLOWS:

300mm ø - CL 1400
375mm ø - CL 1000
450mm ø - CL 650
600mm ø - CL 650
750mm ø - CL 650

MANHOLES ARE MANUFACTURED BY STRESCON.
MH 6 - 1500mm ø MONO BASE MANHOLE
MH 7,8,9,10 ARE 1050mm ø MONO BASE MANHOLE

CATCH BASINS ARE 750 ø WITH SUMP BY STRESCON.
CATCH BASINS HAVE ICD'S AS SHOWN IN NOTES ABOVE.

CATCH BASIN LATERALS ARE 200mm ø PVC DR35 (WHITE) MANUFACTURED BY IPEX.

STORM SERVICES ARE 150 ø PVC DR35 (WHITE) BY IPEX WITH KOR-N-TEE CONNECTION TO MAIN.

SANITARY:
ALL NEW SANITARY MAINS ARE 200 ø PVC DR35 (GREEN) MANUFACTURED BY IPEX.

MANHOLES ARE 1050 ø MONO-BASE MANUFACTURED BY STRESCON.

SANITARY SERVICES ARE 100 ø PVC DR35 (GREEN) MANUFACTURED BY IPEX.
CONNECTIONS AT MAIN ARE 200 x 100mm ø TEE BY IPEX , EXCEPT LOT # 02-13 & 02-10 WHICH ARE SADDLE WITH STAINLESS STEEL BY IPEX.

INGENIERIE LTEE.
J. R. DAIGLE ENGINEERING LTD.

PROJECT TITLE:
MAGNETIC HILL ESTATES SUBDIVISION
UNIT No. 8
ROADWAYS, WATER & SEWER SERVICES

DRAWING TITLE:
SANITARY & STORM MAIN AS-BUILT

REGISTERED PROFESSIONAL ENGINEER PROVINCE of New Brunswick #3239 M. J. Bobineau 2005-06-06 DATE Province du Nouveau-Brunswick INGENIEUR ENREGISTRE

DESIGNED BY:	CHECKED BY:
M.B.	J.R.D.
DRAWN BY:	CHECKED BY:
A.J.L.	J.R.D.
DATE:	SCALE:
JULY, 2005	HORIZ-1:500
DATE ISSUED:	

REVISION: 0

DRAWING No.: ME-1-AB-2 of 3

C:\MAGNETIC HILL\UNIT8\ABSHT2 JULY, 2005

MAGNETIC HILL ESTATES SUBDIVISION
UNIT 8
ROADWAYS, WATER & SEWER SERVICES
SANITARY & STORM SEWER MAINS
AUGUSTA TERR., CROWBUSH CRES., BELFRY ST.
J.R. DAIGLE ENGINEERING LTD
3 of 4

03-15c

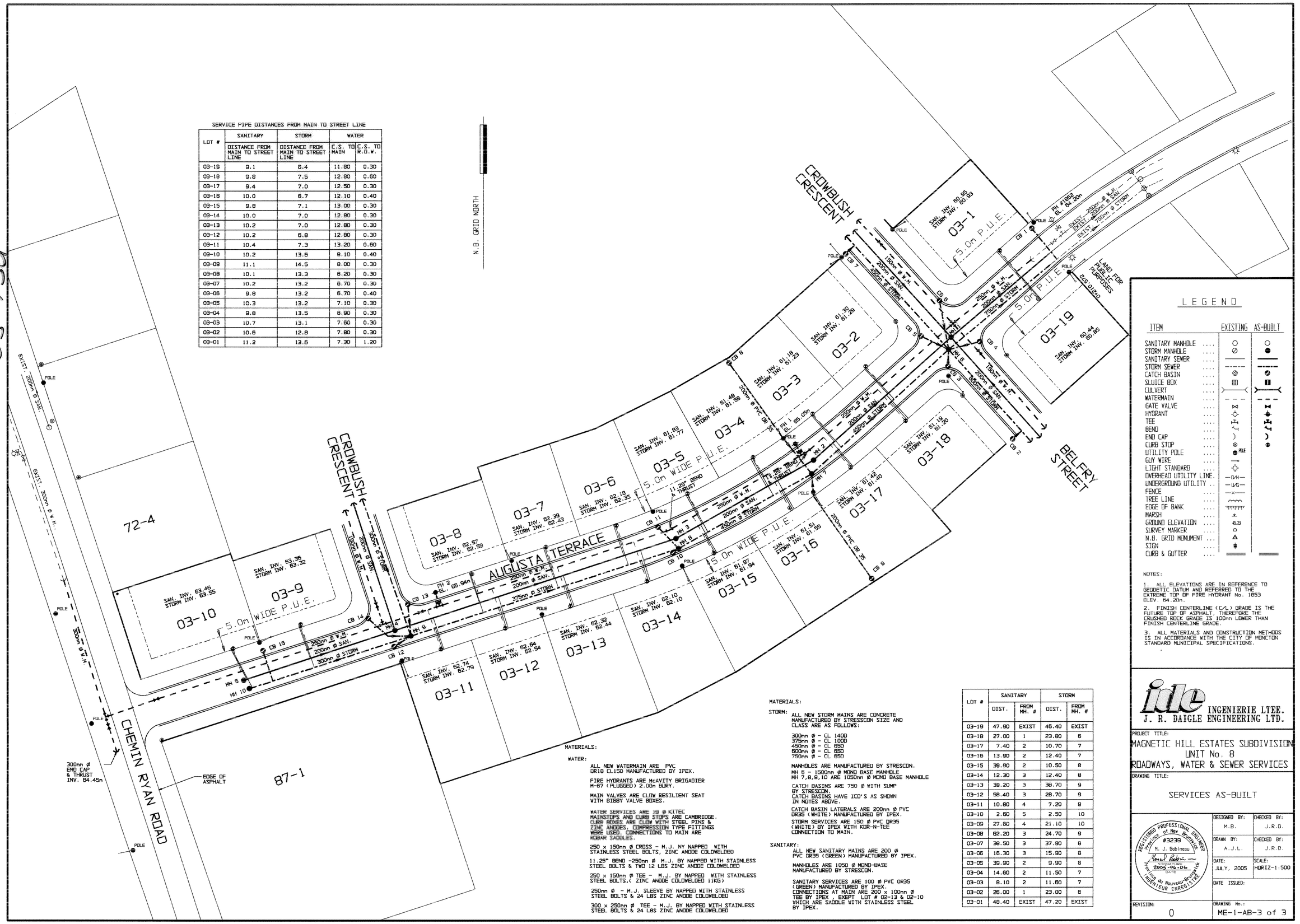
03 - 15 d

03-15d

SERVICE PIPE DISTANCES FROM MAIN TO STREET LINE

LOT #	SANITARY	STORM	WATER	
	DISTANCE FROM MAIN TO STREET LINE	DISTANCE FROM MAIN TO STREET LINE	C.S. TO MAIN	C.S. TO R.O.W.
03-19	9.1	6.4	11.80	0.30
03-18	9.8	7.5	12.80	0.60
03-17	9.4	7.0	12.50	0.30
03-16	10.0	6.7	12.10	0.40
03-15	9.8	7.1	13.00	0.30
03-14	10.0	7.0	12.80	0.30
03-13	10.2	7.0	12.80	0.30
03-12	10.2	6.8	12.80	0.30
03-11	10.4	7.3	13.20	0.60
03-10	10.2	13.6	8.10	0.40
03-09	11.1	14.5	8.00	0.30
03-08	10.1	13.3	6.20	0.30
03-07	10.2	13.2	6.70	0.30
03-06	9.8	13.2	6.70	0.40
03-05	10.3	13.2	7.10	0.30
03-04	9.8	13.5	6.90	0.30
03-03	10.7	13.1	7.60	0.30
03-02	10.6	12.8	7.80	0.30
03-01	11.2	13.6	7.30	1.20

N.B. GRID NORTH



MATERIALS:

WATER:

ALL NEW WATERMAIN ARE PVC DR18 CL150 MANUFACTURED BY IPEX.

FIRE HYDRANTS ARE McAVITY BRIGADIER M-67 (PLUGGED) 2.00n BURY.

MAIN VALVES ARE CLOW RESILIENT SEAT WITH BIBBY VALVE BOXES.

WATER SERVICES ARE 19 ø KITEC MAINSTOPS AND CURB STOPS ARE CAMBRIDGE. CURB BOXES ARE CLOW WITH STEEL PINS & ZINC ANODES. COMPRESSION TYPE FITTINGS WERE USED. CONNECTIONS TO MAIN ARE ROMAR SADDLES.

250 x 150nn ø CROSS - M.J. NY NAPPED WITH STAINLESS STEEL BOLTS, ZINC ANODE COLDWELDED

11.25° BEND -250nn ø M.J. BY NAPPED WITH STAINLESS STEEL BOLTS & TWO 12 LBS ZINC ANODE COLDWELDED

250 x 150nn ø TEE - M.J. BY NAPPED WITH STAINLESS STEEL BOLTS,(ZINC ANODE COLDWELDED 11KG)

250nn ø - M.J. SLEEVE BY NAPPED WITH STAINLESS STEEL BOLTS & 24 LBS ZINC ANODE COLDWELDED

300 x 250nn ø TEE - M.J. BY NAPPED WITH STAINLESS STEEL BOLTS & 24 LBS ZINC ANODE COLDWELDED

MATERIALS:

STORM: ALL NEW STORM MAINS ARE CONCRETE MANUFACTURED BY STRESSCON SIZE AND CLASS ARE AS FOLLOWS:

300nn ø - CL 1400
375nn ø - CL 1000
450nn ø - CL 650
600nn ø - CL 650
750nn ø - CL 850

MANHOLES ARE MANUFACTURED BY STRESCON.
MH 6 - 1500nn ø MONO BASE MANHOLE
MH 7,8,9,10 ARE 1050nn ø MONO BASE MANHOLE

CATCH BASINS ARE 750 ø WITH SUMP BY STRESCON.
CATCH BASINS HAVE ICD'S AS SHOWN IN NOTES ABOVE.

CATCH BASIN LATERALS ARE 200nn ø PVC DR35 (WHITE) MANUFACTURED BY IPEX.

STORM SERVICES ARE 150 ø PVC DR35 (WHITE) BY IPEX WITH KOR-N-TEE CONNECTION TO MAIN.

SANITARY:
ALL NEW SANITARY MAINS ARE 200 ø PVC DR35 (GREEN) MANUFACTURED BY IPEX.

MANHOLES ARE 1050 ø MONO-BASE MANUFACTURED BY STRESCON.

SANITARY SERVICES ARE 100 ø PVC DR35 (GREEN) MANUFACTURED BY IPEX. CONNECTIONS AT MAIN ARE 200 x 100nn ø TEE BY IPEX , EXEPT LOT # 02-13 & 02-10 WHICH ARE SADDLE WITH STAINLESS STEEL BY IPEX.

LOT #	SANITARY		STORM	
	DIST.	FROM MH. #	DIST.	FROM MH. #
03-19	47.90	EXIST	46.40	EXIST
03-18	27.00	1	23.80	6
03-17	7.40	2	10.70	7
03-16	13.90	2	12.40	7
03-15	39.90	2	10.50	8
03-14	12.30	3	12.40	8
03-13	38.20	3	38.70	9
03-12	58.40	3	28.70	9
03-11	10.80	4	7.20	9
03-10	2.80	5	2.50	10
03-09	27.60	4	21.10	10
03-08	62.20	3	24.70	9
03-07	38.50	3	37.90	8
03-06	16.30	3	15.90	8
03-05	39.90	2	9.90	8
03-04	14.60	2	11.50	7
03-03	8.10	2	11.60	7
03-02	26.00	1	23.00	8
03-01	48.40	EXIST	47.20	EXIST

LEGEND

ITEM	EXISTING	AS-BUILT
SANITARY MANHOLE	○	●
STORM MANHOLE	⊘	■
SANITARY SEWER		
STORM SEWER		
CATCH BASIN	⊘	■
SLUICE BOX	▥	
CULVERT		
WATERMAIN		
GATE VALVE	⊢⊣	⊢⊣
HYDRANT	⊢⊣	⊢⊣
TEE	⊢⊣	⊢⊣
BEND	⊢⊣	⊢⊣
END CAP	)	)
CURB STOP	⊗	●
UTILITY POLE	● POLE	● POLE
GUY WIRE	→	→
LIGHT STANDARD	☼	☼
OVERHEAD UTILITY LINE	—O/H—	—O/H—
UNDERGROUND UTILITY	—U/G—	—U/G—
FENCE	—x—	—x—
TREE LINE		
EDGE OF BANK		
MARSH	⁎	⁎
GROUND ELEVATION	45.23	45.23
SURVEY MARKER	⊙	⊙
N.B. GRID MONUMENT	△	△
SIGN	♯	♯
CURB & GUTTER		

NOTES:

1. ALL ELEVATIONS ARE IN REFERENCE TO GEODETIC DATUM AND REFERRED TO THE EXTREME TOP OF FIRE HYDRANT No. 1853 ELEV.: 84.20m.

2. FINISH CENTERLINE (℄) GRADE IS THE FUTURE TOP OF ASPHALT, THEREFORE THE CRUSHED ROCK GRADE IS 100nn LOWER THAN FINISH CENTERLINE GRADE.

3. ALL MATERIALS AND CONSTRUCTION METHODS IS IN ACCORDANCE WITH THE CITY OF MONCTON STANDARD MUNICIPAL SPECIFICATIONS.

INGENIERIE LTEE.
J. R. DAIGLE ENGINEERING LTD.

PROJECT TITLE:
MAGNETIC HILL ESTATES SUBDIVISION
UNIT No. 8
ROADWAYS, WATER & SEWER SERVICES

DRAWING TITLE:
SERVICES AS-BUILT

REGISTERED PROFESSIONAL ENGINEER Province of New Brunswick #3239 M. J. Babineau Signature 2005-06-06 Date — Province du Nouveau-Brunswick INGÉNIEUR ENREGISTRÉ

DESIGNED BY:	CHECKED BY:
M.B.	J.R.D.
DRAWN BY:	CHECKED BY:
A.J.L.	J.R.D.
DATE:	SCALE:
JULY, 2005	HORIZ-1:500
DATE ISSUED:	
REVISION: 0	DRAWING No.: ME-1-AB-3 of 3

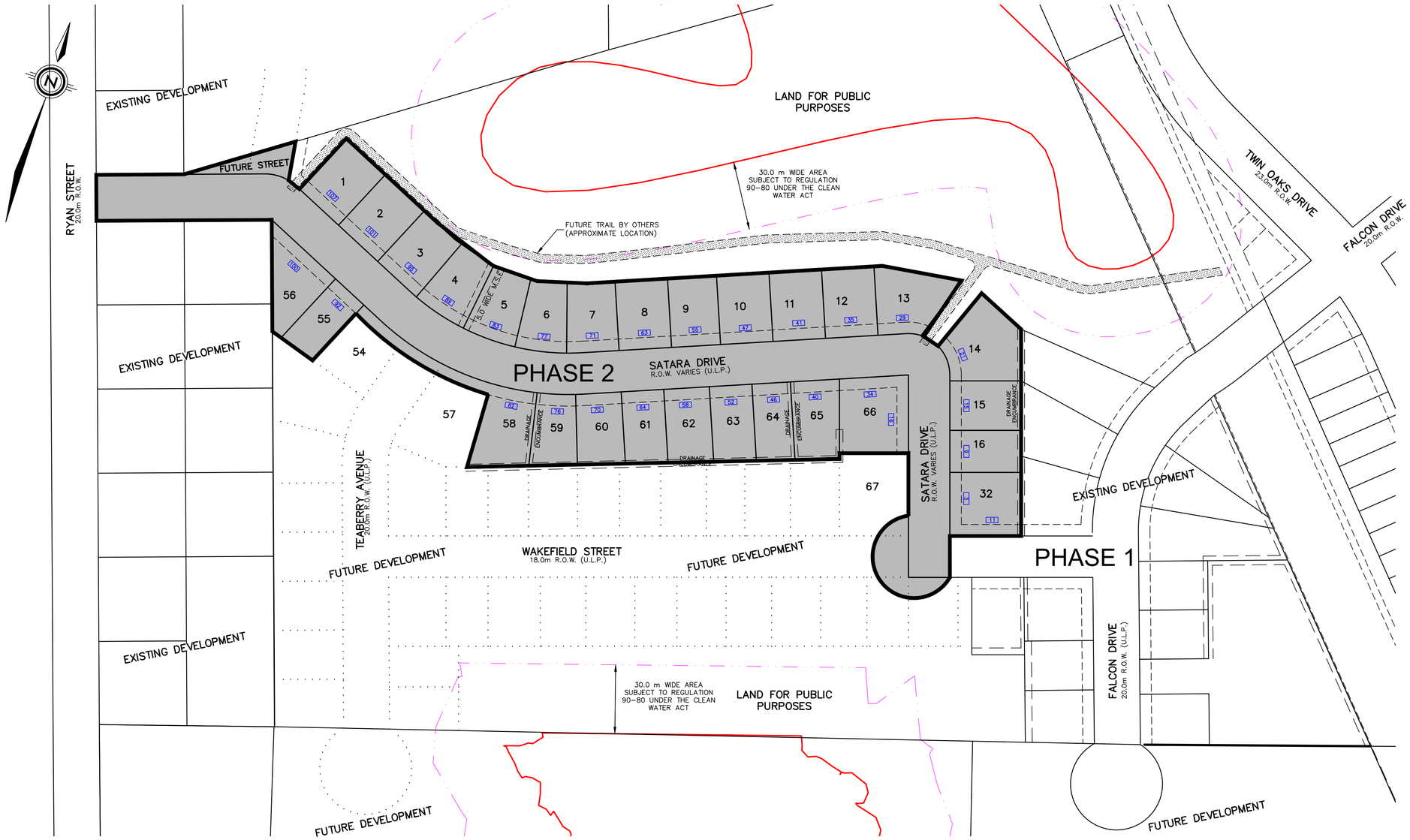
MAGNETIC HILL ESTATES SUBDIVISION
UNIT 8
ROADWAYS, WATER & SEWER SERVICES
LOT SERVICING
AUGUSTA TERR., CROWBUSH CRES., BELFRY ST.
J.R. DAIGLE ENGINEERING LTD

4 OF 4

C:\MAGNETIC HILL\UNIT8\ABSBUILT JULY, 2005

LIBERTY HILL ESTATES

UNIT 5, PHASE 2
MONCTON, NEW BRUNSWICK



RECORD DRAWING LIST

SHEET 1 - RECORD DRAWING COVER SHEET
SHEET 2 - RECORD DRAWING PLAN AND PROFILE - SATARA DRIVE - 3+000 TO 3+230
SHEET 3 - RECORD DRAWING PLAN AND PROFILE - SATARA DRIVE - 3+230 TO 3+510
SHEET 4 - RECORD DRAWING PLAN AND PROFILE - TEABERRY AVENUE - 2+000 TO 2+040
PLAN AND PROFILE - WAKEFIELD DRIVE - 1+220 TO 1+290
SHEET 5 - RECORD DRAWING NOTES & DETAILS

CLIENT: CVR HOME IMPROVEMENTS
46 DIAMOND HEAD COURT #113
MONCTON, NB E1G 5S3
(506)-854-4320 EXT. 101

UNDEGROUND WORKS:

CONTRACTOR: QUALITY EXCAVATING
1084 ROUTE 535
COCAGNE, NB E1H 2K2
(506) 852-1048

INSPECTOR: ARTHUR KENNY AND RICHARD TRACY
FOREMAN: LUC MAILLET
CONSTRUCTION PERIOD :
AUGUST 9, 2017 TO NOVEMBER 21, 2017

ABOVE GROUND WORKS:

CURB AND SIDEWALK
CONTRACTOR: BASTECH ENTERPRISES INC.
341 COLLISHAW ST
MONCTON NB E1C 9R2
(506) 855-3434

INSPECTOR: ARTHUR KENNY
FOREMAN: THIERRY BASQUE

CONSTRUCTION PERIOD :
JUNE 18, 2018 TO JULY 26, 2018

ASPHALT
CONTRACTOR: MILLER PAVING
181 MACALEESE LANE
MONCTON, NB
(506) 857-2805

INSPECTOR: ARTHUR KENNY
FOREMAN: MARK MCKAY

CONSTRUCTION PERIOD :
OCTOBER 10, 2018 TO OCTOBER 17, 2018

DATE OF PROVISIONAL INSPECTION: NOVEMBER 29, 2017
PRESENT AT INSPECTION:
JEFF SCOTT (CITY OF MONCTON)
ANICK MACDONALD (CITY OF MONCTON)
JEFF MACDONALD (CITY OF MONCTON)
ARTHUR KENNY (WSP)
LUC MAILLET (QUALITY EXCAVATING)

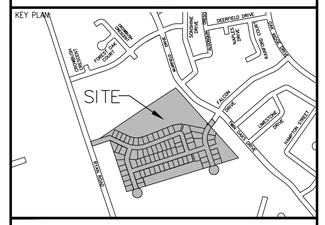
DATE OF ABOVE GROUND INSPECTION: OCTOBER 30, 2018
PRESENT AT INSPECTION:
JEFF SCOTT (CITY OF MONCTON)
ANICK MACDONALD (CITY OF MONCTON)
JEFF MACDONALD (CITY OF MONCTON)
MATT SEELY (WSP)
ROBERT LEBLANC (QUALITY EXCAVATING)

WSP Canada Inc.
1070 St. George Boulevard, Suite 160
Moncton, New Brunswick, Canada E1E 4K7
T 506-857-1675 F 506-857-1679 www.wsp.com

SEAL:

REGISTERED PROFESSIONAL ENGINEER
Province of New Brunswick
#M7212
Denis P. LeBlanc
Signature
January 7, 2019
Date
Province du Nouveau-Brunswick
INGÉNIEUR IMMATRICULÉ

KEY PLAN



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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
6	2019/01/07	FINAL ABOVE GROUND RECORD DRAWING
5	2018/12/21	ABOVE GROUND RECORD DRAWING FOR REVIEW
4	2018/04/02	FINAL BELOW GROUND RECORD DRAWINGS
3	2018/03/26	BELOW GROUND RECORD DRAWINGS FOR REVIEW
2	2017/08/14	ISSUED FOR CONSTRUCTION
1	2017/07/21	REVISED AS PER CITY COMMENTS
0	2017/05/25	ISSUED FOR REVIEW

PROJECT NO: MN10312
DATE: (YYYY/MM/DD) 2019/01/07
ORIGINAL SCALE: HORIZONTAL: 1:1000 VERTICAL: N/A
DESIGNED BY: L.ROY
DRAWN BY: C.LANDRY/D.BOUCHER
CHECKED BY: D.LEBLANC
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm
SCALE: 1:1000 METRIC
20 16 12 8 4 0 20 40 60

CLIENT:
CVR HOME IMPROVEMENTS
CLIENT REF. #:

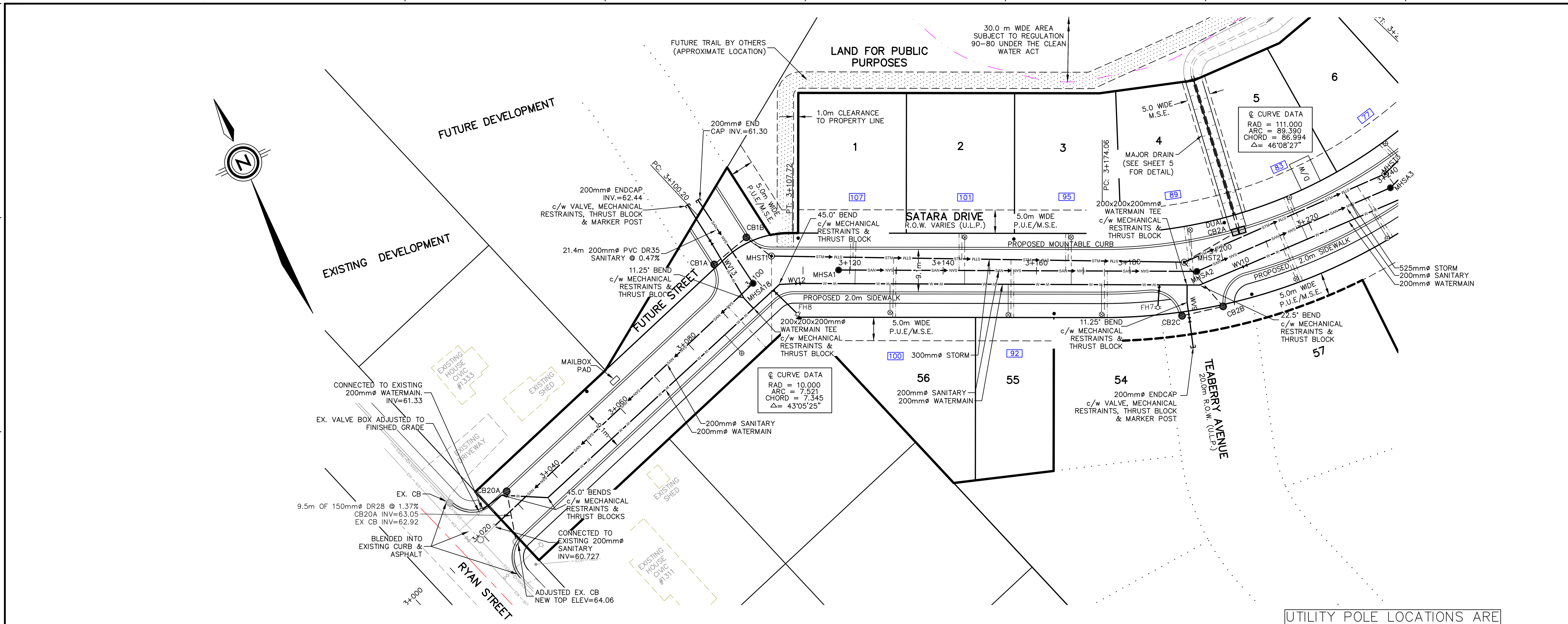
PROJECT:
LIBERTY HILL ESTATES
UNIT 5 PHASE 2
MONCTON, NEW BRUNSWICK

TITLE:
RECORD DRAWING
COVER SHEET

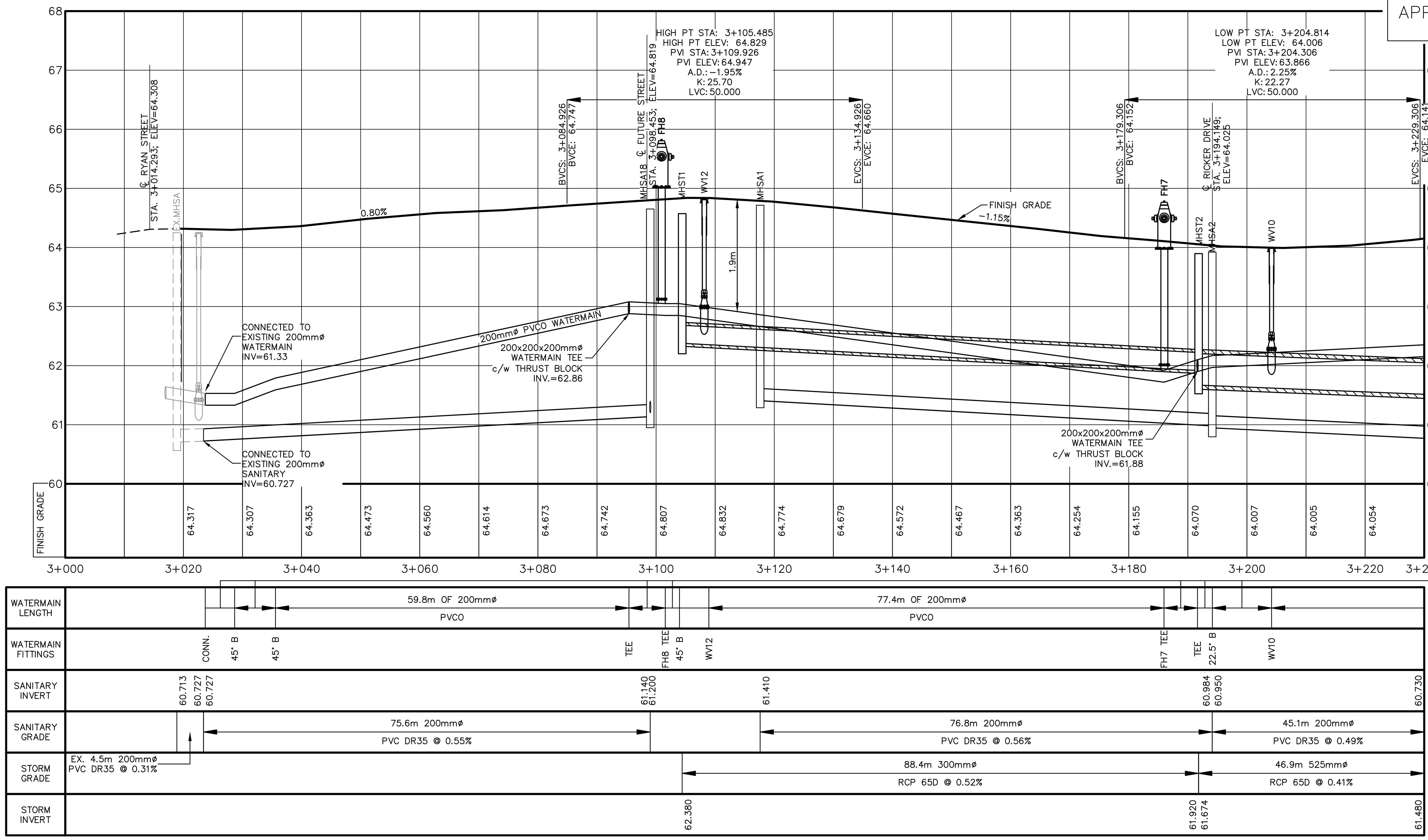
SHEET NUMBER: 1
SHEET #: 1 OF 5

ISSUE: FINAL ABOVE GROUND RECORD DRAWING
DATE OF: 2019/01/07
REV #: 6

XREFS: K:\MONCTON\2010\10312\DWG\ENG\SOURCE DRAWINGS\PHASE1\10312-BASEPLAN-PHASE2.DWG, K:\MONCTON\2010\10312\DWG\ENG\SOURCE DRAWINGS\PHASE1\10312-KEYPLAN-PHASE2.DWG
K:\MONCTON\2010\10312\DWG\ENG\PRODUCTION DRAWINGS\PHASE II\AS-BUILT\10312-LHP2-COVER-02.DWG PRINTED: 10:26 AM 2019/01/07 BY: CHARLES.LANDRY
GENXAR REF. NO.: ---



UTILITY POLE LOCATIONS ARE APPROXIMATE AS PROVIDED BY NB POWER.



WATERMAIN LENGTH BETWEEN FITTINGS

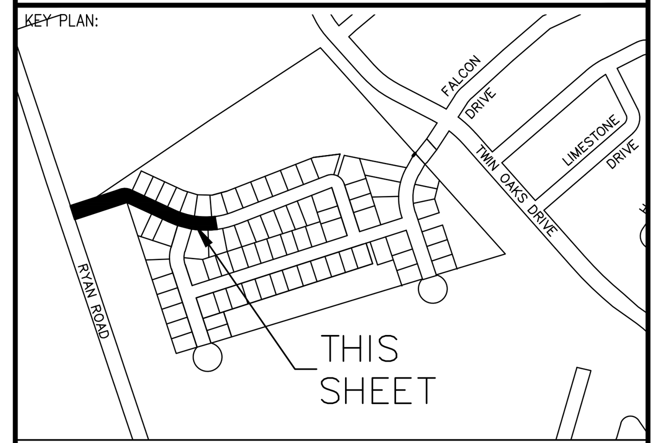
FITTING A	FITTING B	DISTANCE, SIZE & MATERIAL
CONNECTION	45° BEND	5.0m OF 200mmø PVCO
45° BEND	45° BEND	9.9m OF 200mmø PVCO
TEE	FH8 TEE	5.8m OF 200mmø PVCO
FH8 TEE	45° BEND	1.8m OF 200mmø PVCO
45° BEND	WV12	4.0m OF 200mmø PVCO
FH7 TEE	TEE	5.9m OF 200mmø PVCO
TEE	22.5° BEND	2.7m OF 200mmø PVCO
22.5° BEND	WV10	10.5m OF 200mmø PVCO
WV10	22.5 BEND	35.8m OF 200mmø PVCO

WSP Canada Inc.
1070 St. George Boulevard, Suite 160
Moncton, New Brunswick, Canada E1E 4K7
T 506-857-1675 F 506-857-1679 www.wsp.com

SEAL:

REGISTERED PROFESSIONAL ENGINEER
Province of New Brunswick
#M7212
Denis P. LeBlanc
Signature
January 7, 2019
Date
Province du Nouveau-Brunswick
INGÉNIEUR IMMATRICULÉ

KEY PLAN:



LEGEND:

	PROPOSED	EXISTING
EDGE OF PAVEMENT		
LOTLINE		
WATERMAIN & GATE VALVE		
SANITARY PIPE & MANHOLE		
STORM PIPE & MANHOLE		
UTILITY LINES & POLE		
STREET BOUNDARY		SANITARY LATERAL
PROPERTY BOUNDARY		STORM LATERAL
EASEMENT		WATER LATERAL
CURB & DRIVEWAY CUT		CATCH BASIN LEAD
CATCH BASIN	ENDCAP	CULVERT
FIRE HYDRANT	LIGHT STANDARD	HEADWALL
STREET TREE	PHONE PEDESTAL	SIDEWALK
UTILITY POLE	URD BOX	FENCE

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
6	2019/01/07	FINAL ABOVE GROUND RECORD DRAWING
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3	2018/03/26	BELOW GROUND RECORD DRAWINGS FOR REVIEW
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1	2017/07/21	REVISED AS PER CITY COMMENTS
0	2017/05/25	ISSUED FOR REVIEW

PROJECT NO: MN10312
DATE: (YYYY/MM/DD) 2019/01/07
ORIGINAL SCALE: HORIZONTAL: 1:500 VERTICAL: 1:50
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm
DESIGNED BY: L.ROY
DRAWN BY: C.LANDRY/D.BOUCHER
CHECKED BY: D.LEBLANC
SCALE: 1:750 METRIC
15 10 5 0 15 30 45

CLIENT:

CVR HOME IMPROVEMENTS

CLIENT REF. #:

PROJECT:

LIBERTY HILL ESTATES
UNIT 5 PHASE 2
MONCTON, NEW BRUNSWICK

TITLE:

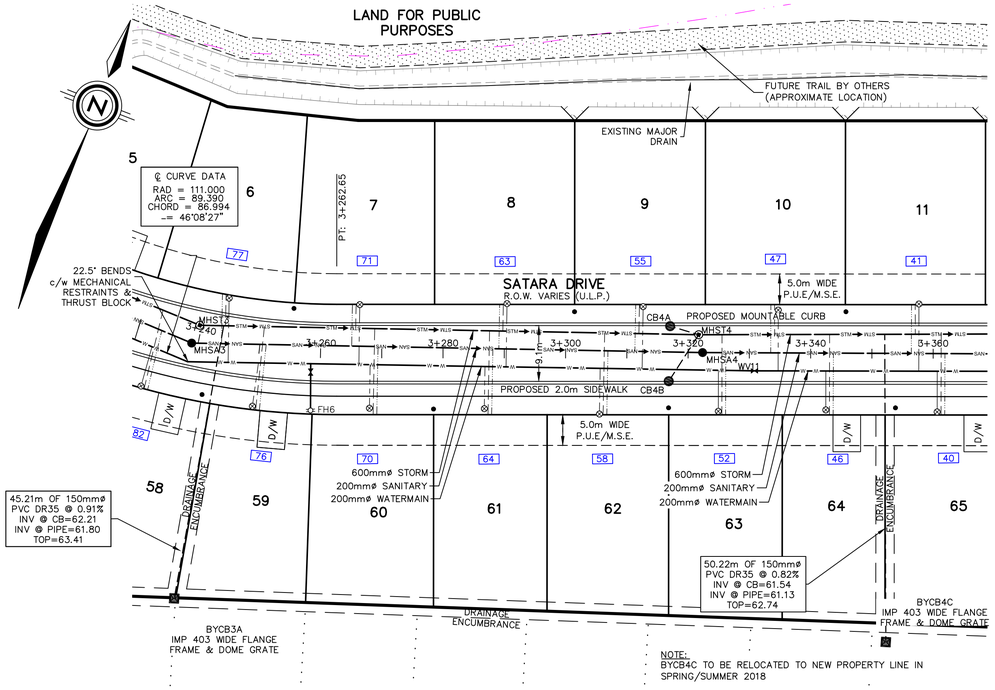
RECORD DRAWING PLAN AND PROFILE
SATARA DRIVE
3+000 TO 3+230

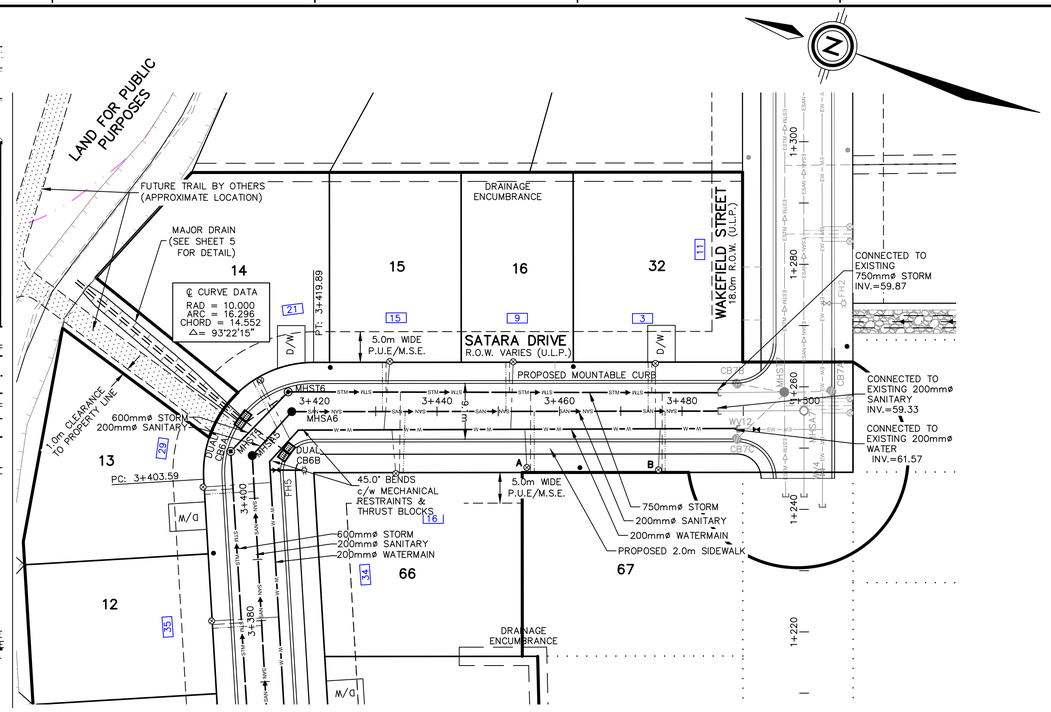
SHEET NUMBER: 2
SHEET #: 2 OF 5

ISSUE: FINAL ABOVE GROUND RECORD DRAWING
DATE OF: 2019/01/07
REV #: 6

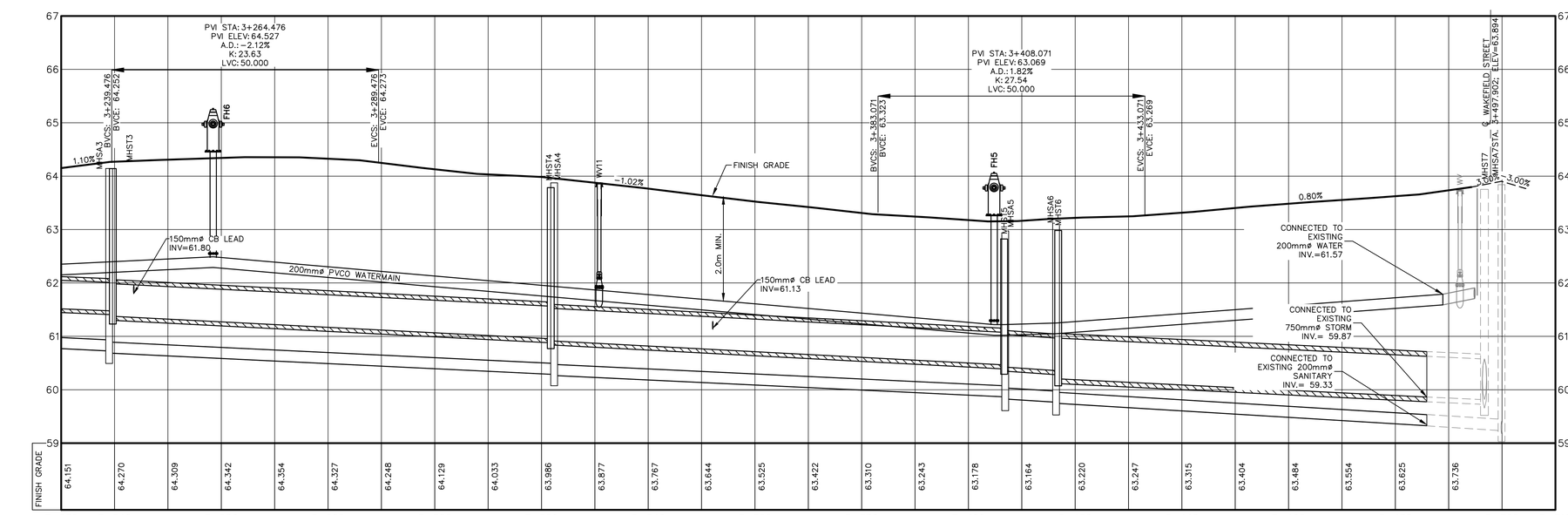
GENIVAR REF. NO.: ---- K:\MONCTON\2010\10312\DWG\ENG\PRODUCTION DRAWINGS\PHASE II\AS-BUILT\10312-U5P2-P&P-021.DWG SATARA-1 PRINTED: 10:27 AM 2019/01/07 BY: CHARLES.LANDRY

XREFS: (DIESEL evaluation failed)





UTILITY POLE LOCATIONS ARE APPROXIMATE AS PROVIDED BY NB POWER.



WATERMAIN LENGTH	20.1m OF 200mmø PVCO	72.4m OF 200mmø PVCO	73.6m OF 200mmø PVCO	71.5m OF 200mmø PVCO
WATERMAIN FITTINGS	22.5° B, FH6 TEE	WV11	FH5 TEE, 45° B	45° B, CONN.
SANITARY INVERT	60.950; 60.730; 60.690 — 45.1m 200mmø PVC DR35 @ 0.49%	60.290; 60.270	59.870; 59.830 — 9.6m 200mmø PVC DR35 @ 0.62%	59.770; 59.750 — 59.330; 59.330 — 59.240; 59.210; 59.180
SANITARY GRADE	83.4m 200mmø PVC DR35 @ 0.48%	84.6m 200mmø PVC DR35 @ 0.47%	69.6m 200mmø PVC DR35 @ 0.60%	EX. 14.0m 200mmø PVC DR35 @ 0.64%
STORM GRADE	81.4m 600mmø RCP 65D @ 0.52%	86.1m 600mmø RCP 65D @ 0.52%	70.2m 750mmø RCP 65D @ 0.48%	EX. 10.8m 750mmø RCP 65D @ 0.46%
STORM INVERT	61.674; 61.480; 61.381 — 46.9m 525mmø RCP 65D @ 0.41%	60.960; 60.920	60.470; 60.430; 60.360; 60.210 — 13.5m 600mmø RCP 65D @ 0.52%	59.870; 59.870; 59.820; 59.830; 59.670

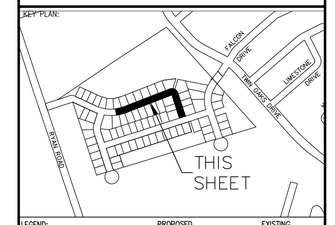
WATERMAIN LENGTH BETWEEN FITTINGS		
FITTING A	FITTING B	DISTANCE, SIZE & MATERIAL
WV10	22.5° BEND	35.8m OF 200mmø PVCO
FH5 TEE	45° BEND	1.4m OF 200mmø PVCO
45° BEND	45° BEND	7.0m OF 200mmø PVCO

WSP Canada Inc.
1070 St. George Boulevard, Suite 160
Moncton, New Brunswick, Canada E1E 4K7
T 506-857-1675 F 506-857-1679 www.wsp.com

SEAL:

REGISTERED PROFESSIONAL ENGINEER
Province of New Brunswick
#M7212
Denis P. LeBlanc
Signature
January 7, 2019
Date
Province du Nouveau-Brunswick
INGÉNIEUR IMMATRICULÉ

KEY PLAN:



LEGEND:

	PROPOSED	EXISTING
EDGE OF PAVEMENT		
LOTLINE		
WATERMAIN & GATE VALVE	W — M — W	EW — M3 — EW
SANITARY PIPE & MANHOLE	SAN → MH3	ESAN → MH3
STORM PIPE & MANHOLE	STM → MH3	ESTM → MH3
UTILITY LINES & POLE	GH — HG — GH	EGH — HG3 — EGH
STREET BOUNDARY		
PROPERTY BOUNDARY		
EASEMENT		
CURB & DRIVEWAY CUT		
CATCH BASIN		ENDCAP, CULVERT
FIRE HYDRANT	LIGHT STANDARD	HEADWALL
STREET TREE	PHONE PEDESTAL	SIDEWALK
UTILITY POLE	URD BOX	FENCE

SANITARY LATERAL
STORM LATERAL
WATER LATERAL
CATCH BASIN LEAD

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
6	2019/01/07	FINAL ABOVE GROUND RECORD DRAWING
5	2018/12/21	ABOVE GROUND RECORD DRAWING FOR REVIEW
4	2018/04/02	FINAL BELOW GROUND RECORD DRAWINGS
3	2018/03/26	BELOW GROUND RECORD DRAWINGS FOR REVIEW
2	2017/08/14	ISSUED FOR CONSTRUCTION
1	2017/07/21	REVISED AS PER CITY COMMENTS
0	2017/05/25	ISSUED FOR REVIEW

PROJECT NO: MN10312	DATE: (YYYY/MM/DD) 2019/01/07
ORIGINAL SCALE: HORIZONTAL: 1:500 VERTICAL: 1:50	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm
DESIGNED BY: L.ROY	
DRAWN BY: C.LANDRY/D.BOUCHER	
CHECKED BY: D.LEBLANC	

SCALE: 1:750 METRIC
15 10 5 0 15 30 45

CLIENT:

CVR HOME IMPROVEMENTS

CLIENT REF. #:

PROJECT:

LIBERTY HILL ESTATES
UNIT 5 PHASE 2
MONCTON, NEW BRUNSWICK

TITLE:

RECORD DRAWING PLAN AND PROFILE
SATARA DRIVE
3+230 TO 3+510

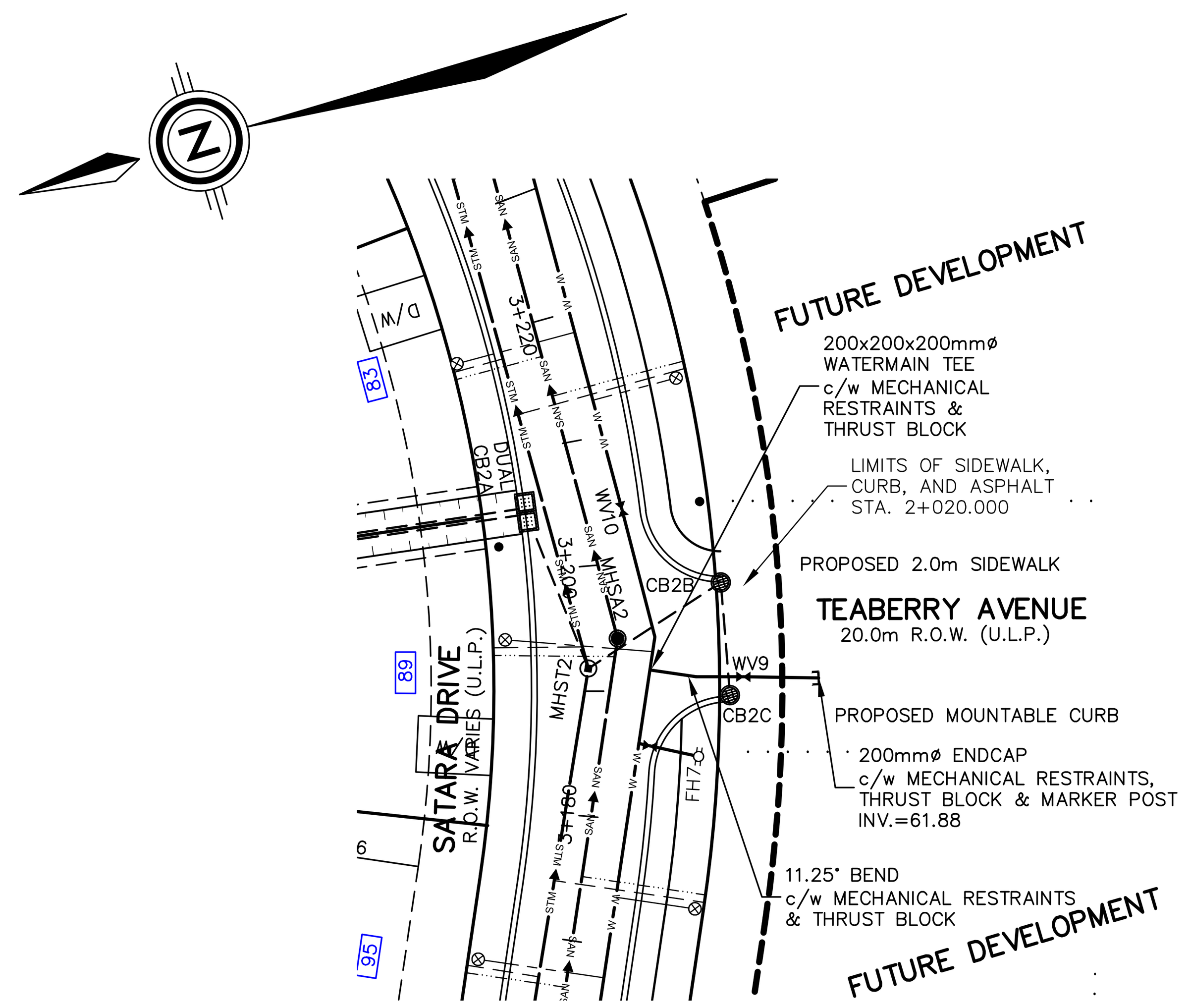
SHEET NUMBER: 3
SHEET #: 3 OF 5

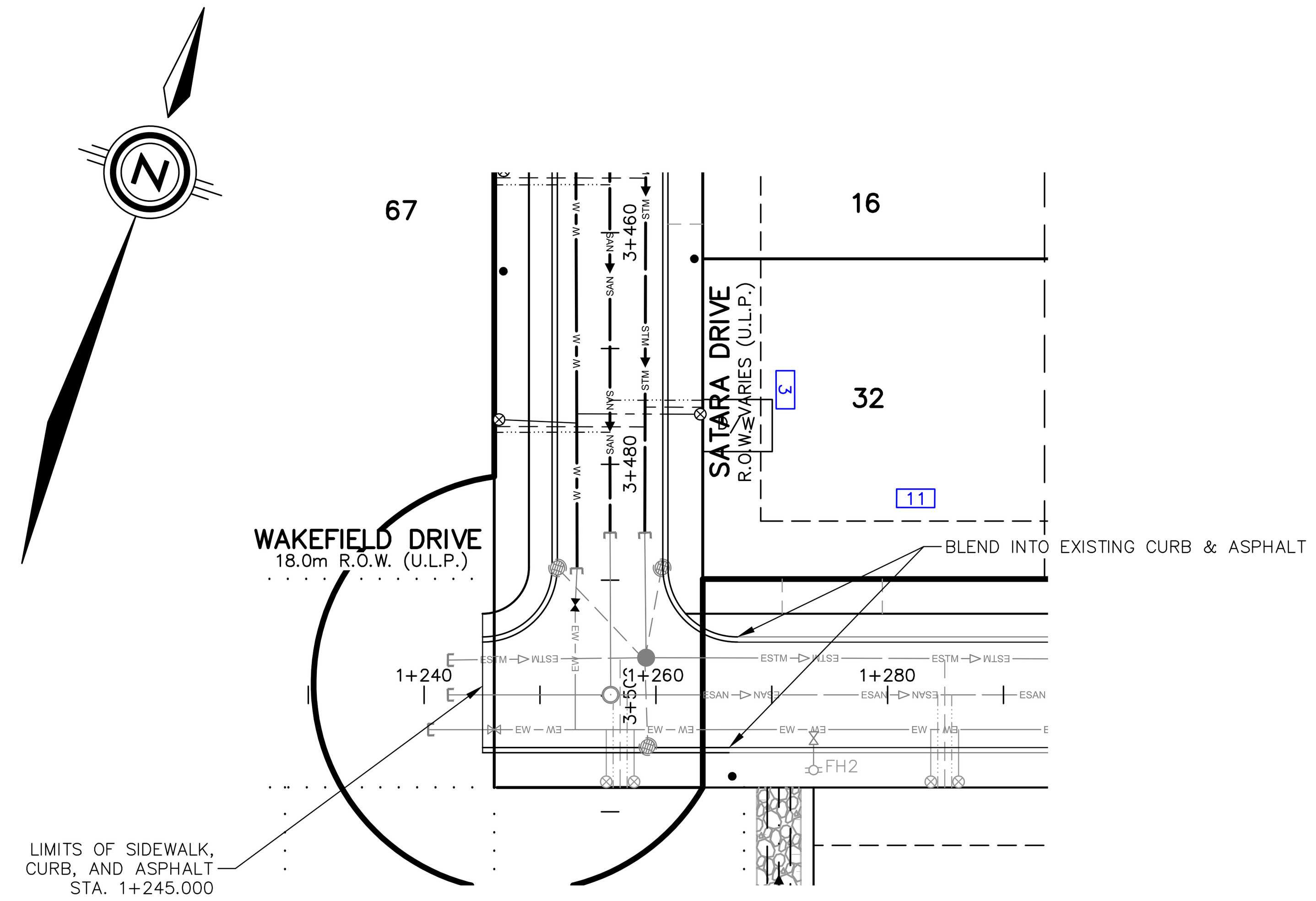
ISSUE: FINAL ABOVE GROUND RECORD DRAWING
DATE OF: 2019/01/07
REV # 6

XREFS: (DIESEL evaluation folder)

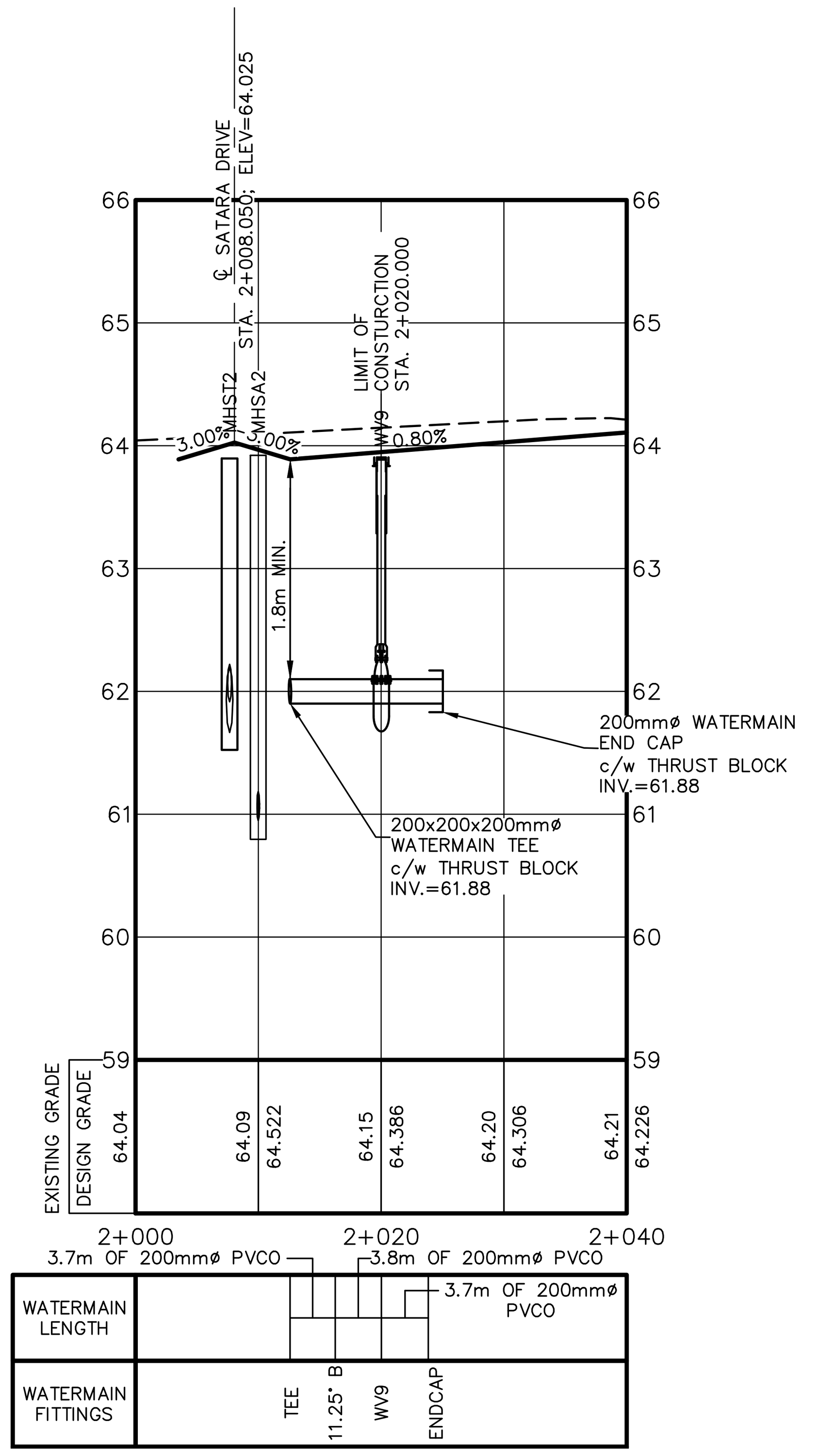
GENIMAR REF. NO.: ----

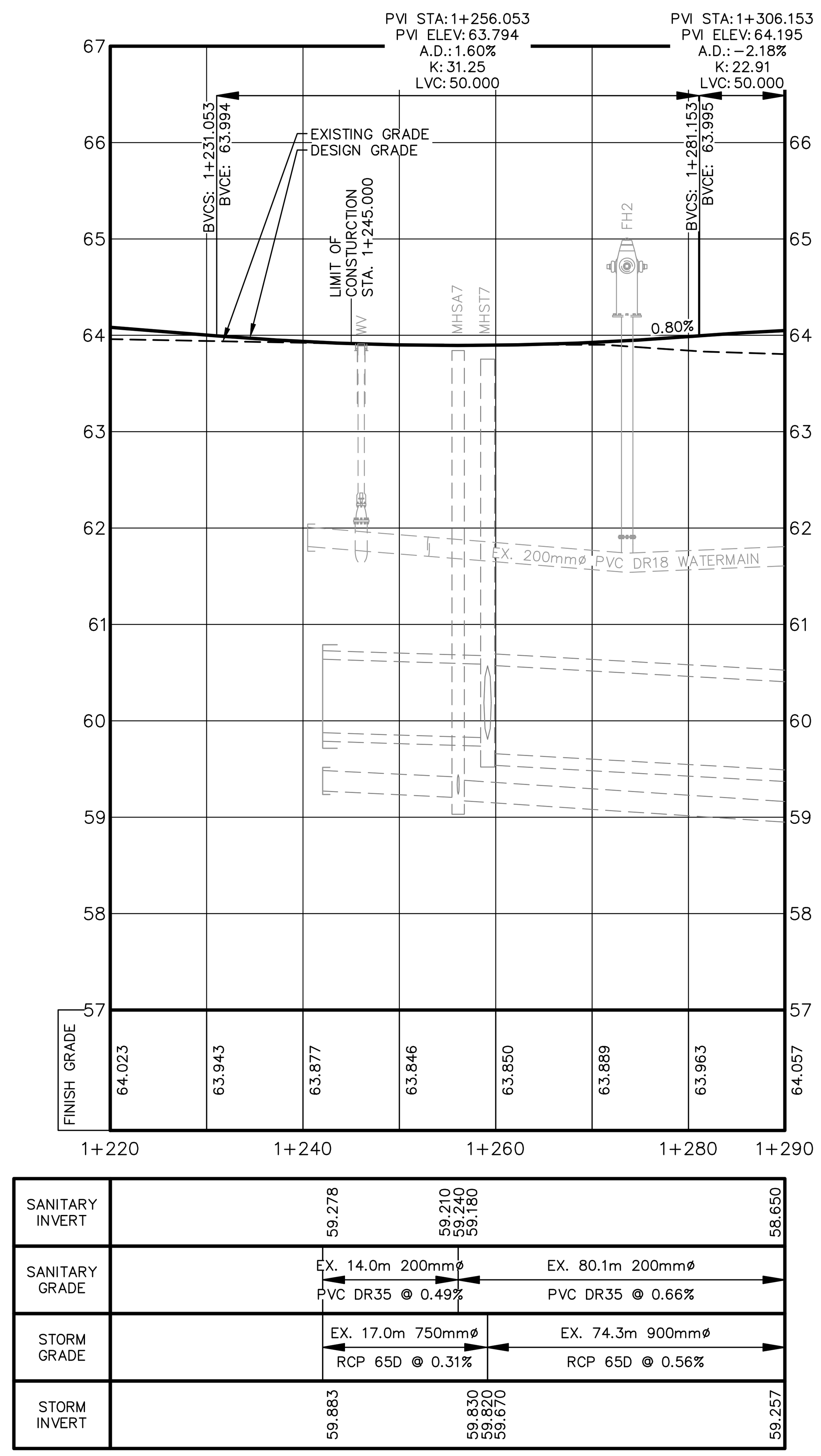
K:\MONCTON\2010\10312\DWG\ENG\PRODUCTION DRAWINGS\PHASE II\AS-BUILT\10312-USP2-PAGE-02LDWG BY: CHARLES.LANDRY PRINTED: 10:27 AM 2019/01/07 SATARA-2





UTILITY POLE LOCATIONS ARE APPROXIMATE AS PROVIDED BY NB POWER.





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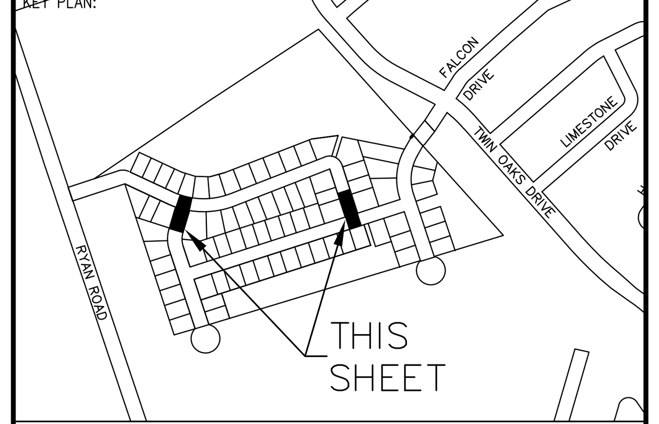
T 506-857-1675 F 506-857-1679 www.wsp.com

SEAL:
REGISTERED PROFESSIONAL ENGINEER — Province of New Brunswick — #M7212 — Denis P. LeBlanc — Signature — January 7, 2019 — Date — Province du Nouveau-Brunswick — INGÉNIEUR IMMATRICULÉ

KEY PLAN:



LEGEND:

	PROPOSED	EXISTING
EDGE OF PAVEMENT		
LOTLINE		
WATERMAIN & GATE VALVE	W	EW
SANITARY PIPE & MANHOLE	SAN	ESAN
STORM PIPE & MANHOLE	STM	ESTM
UTILITY LINES & POLE	OH	EOH

STREET BOUNDARY		SANITARY LATERAL			
PROPERTY BOUNDARY		STORM LATERAL			
EASEMENT		WATER LATERAL			
CURB & DRIVEWAY CUT		CATCH BASIN LEAD			
CATCH BASIN		ENDCAP		CULVERT	
FIRE HYDRANT		LIGHT STANDARD		HEADWALL	
STREET TREE		PHONE PEDESTAL		SIDEWALK	
UTILITY POLE		URD BOX		FENCE	

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
6	2019/01/07	FINAL ABOVE GROUND RECORD DRAWING
5	2018/12/21	ABOVE GROUND RECORD DRAWING FOR REVIEW
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PROJECT NO: MN10312
DATE: (YYYY/MM/DD) 2019/01/07
ORIGINAL SCALE: HORIZONTAL: 1:500 VERTICAL: 1:50
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm
DESIGNED BY: L.ROY
DRAWN BY: C.LANDRY/D.BOUCHER
CHECKED BY: D.LEBLANC
SCALE: 1:750 METRIC
15 10 5 0 15 30 45

CLIENT:
CVR HOME IMPROVEMENTS
CLIENT REF. #:

PROJECT:
LIBERTY HILL ESTATES
UNIT 5 PHASE 2
MONCTON, NEW BRUNSWICK

TITLE:
RECORD DRAWING PLAN AND PROFILE
TEABERRY AVENUE, WAKEFIELD DRIVE
2+000 TO 2+040, 1+220 TO 1+290

SHEET NUMBER: 4
SHEET #: 4 OF 5

ISSUE: **FINAL ABOVE GROUND RECORD DRAWING**
DATE OF: 2019/01/07
REV #: 6

GENIVAR REF. NO.: ---- K:\MONCTON\2010\10312\DWG\ENG\PRODUCTION DRAWINGS\PHASE II\AS-BUILT\10312-U5P2-P&P-021.DWG RICKER DRIVE PRINTED: 10:27 AM 2019/01/07 BY: CHARLES.LANDRY

XREFS: (DIESEL evaluation failed)

CONSTRUCTION NOTES

1. ALL WORK PERFORMED IN ACCORDANCE WITH THE CITY OF MONCTON ENGINEERING AND ENVIRONMENTAL SERVICES DEPARTMENT STANDARD MUNICIPAL SPECIFICATIONS, 2013 EDITION.

2. ALL WORK PERFORMED IN ACCORDANCE WITH THE NEW BRUNSWICK DEPARTMENT OF THE ENVIRONMENT AND LOCAL GOVERNMENT.

3. ALL ELEVATIONS ARE APPROXIMATELY GEODETIC BASED ON NBCM 28155, N=7456492.126, E=2628800.997 WITH A PUBLISHED ELEVATION OF 47.212.

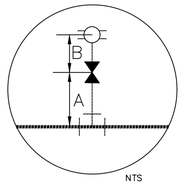
SEE MONCTON SUBDIVISION DEVELOPMENT PROCEDURES, STANDARDS AND GUIDELINES (LATEST EDITION) FOR TYPICAL ROAD CROSS SECTION.

MATERIALS

STORM SEWER
- MAINS: 750mmø, 600mmø, 525mmø & 300mmø CONCRETE RCP 65D BY STRESCON
- LATERALS: 150mmø PVC DR28 (WHITE) BY IPEX
- CONNECTORS: INSERT-A-TEE
- CB LEADS: 150mmø PVC DR28 (WHITE) BY IPEX
- MANHOLES: 1500mmø, 1200mmø & 1050mmø CONCRETE BY STRESCON
- CATCH BASINS: 1050mmø & 750mmø CONCRETE BY STRESCON
- PERFORATED DRAIN PIPE BY ARMTEC
- FITTINGS: 150mmø PVC DR35 LONG SWEEP 22.5° & 11.25° BENDS AND CAPS BY IPEX

SANITARY SEWER
- MAINS: 200mmø PVC DR35 (GREEN) BY IPEX
- LATERALS: 100mmø PVC DR35 (GREEN) BY IPEX
- MANHOLES: 1050mmø CONCRETE BY STRESCON
- CONNECTORS: 100mmø DR35 SADDLE BY IPEX
- FITTINGS: 100mmø PVC DR35 LONG SWEEP 45°, 22.5°, 11.25° BENDS AND CAPS BY IPEX

WATERMAIN
- MAINS: 200mmø PVCO BIONAX BY IPEX
- HYDRANTS: CLOW CANADA
- GATE VALVES: 200mmø & 150mmø BY CLOW CANADA
- VALVE BOXES: MUELLER MVB
- SERVICE BOX: CLOW
- FITTINGS: 200x200mm, 200x150mm TEE; 200mm-22.5°, 11.25° BENDS BY STAR PIPE PRODUCTS
- MAIN STOP: 19mm BALL TYPE BY MUELLER
- CURB STOP: 19mm BALL TYPE BY MUELLER
- WATER LATERALS: 19mm Q-LINE BY IPEX
- SADDLES: CAMBRIDGE BRASS
- RESTRAINTS: MECHANICAL RESTRAINTS BY STAR PIPE PRODUCTS



NTS

FIRE HYDRANT CONNECTIONS

FH	DIM"A"	DIM"B"	TOP ELEV.
5	0.99	4.60	64.08
6	1.37	6.25	65.27
7	0.90	3.96	64.79
8	0.57	6.76	65.84

MANHOLE SCHEDULE

MANHOLE LABEL	MANHOLE TOP ELEVATION	MANHOLE DIAMETER
MHSA1	64.80	1050mm
MHSA2	63.98	1050mm
MHSA3	64.22	1050mm
MHSA4	63.94	1050mm
MHSA5	63.13	1050mm
MHSA6	63.18	1050mm
MHSA18	64.78	1050mm
MHST1	64.71	1050mm
MHST2	64.02	1050mm
MHST3	64.20	1200mm
MHST4	63.87	1200mm
MHST5	63.08	1200mm
MHST6	63.10	1500mm

CATCHBASIN SCHEDULE

CATCHBASIN LABEL	COVER TYPE	CATCHBASIN LEAD TO	FINISHED TOP OF CATCHBASIN	LEAD DIAMETER (mm)	ICD FLOW (l/s)	INLET CONTROL DEVICE	DISTANCE TO MANHOLE (m)
CB1A	W411 FRAME & GRATE	CB1B	64.52	150	N/A	N/A*	8.99
CB1B	W411 FRAME & GRATE	MHST1	64.59	150	N/A	N/A*	6.26
DUAL GRATE CB2A	S401 DOUBLE FRAME & GRATE	MHST2	63.80	150	N/A	N/A*	13.51
CB2B	W411 FRAME & GRATE	MHST2	63.81	150	N/A	N/A*	12.60
CB2C	W411 FRAME & GRATE	CB2B	63.83	150	N/A	N/A*	9.00
BYCB3A	IMP 403 WIDE FLANGE FRAME & DOME GRATE	PIPE	63.41	150	N/A	N/A*	45.21
CB4A	W411 FRAME & GRATE	MHST4	63.83	150	28.99	114.3mm (4.5")	4.87
CB4B	W411 FRAME & GRATE	MHST4	63.81	150	28.99	114.3mm (4.5")	9.02
BYCB4C	IMP 403 WIDE FLANGE FRAME & DOME GRATE	PIPE	63.74	150	28.99	114.3mm (4.5")	50.22
DUAL GRATE CB6A	S401 DOUBLE FRAME & GRATE	MHST6	63.02	150	N/A	N/A*	8.32
DUAL GRATE CB6B	S401 DOUBLE FRAME & GRATE	DUAL GRATE CB6A	63.00	150	N/A	N/A*	7.47
CB20A	W411 FRAME & GRATE	EXCB	64.13	150	28.99	114.3mm (4.5")	9.60
EXCB7A	W411 FRAME & GRATE	MHST7	63.67	150	28.99	114.3mm (4.5")	7.54
EXCB7B	W411 FRAME & GRATE	MHST7	63.56	150	28.99	114.3mm (4.5")	8.13
EXCB7C	W411 FRAME & GRATE	CB7B	63.50	150	N/A	N/A*	10.95

NOTE:
TOP ELEVATIONS OF BACKYARD CATCH BASINS WITH DOME GRATES REFER TO LOWEST ELEVATION AT WHICH WATER CAN ENTER THE GRATE

*CATCHBASINS DO NOT REQUIRE ICD SINCE 5 YEAR FLOW REQUIRES 150mmø LEAD

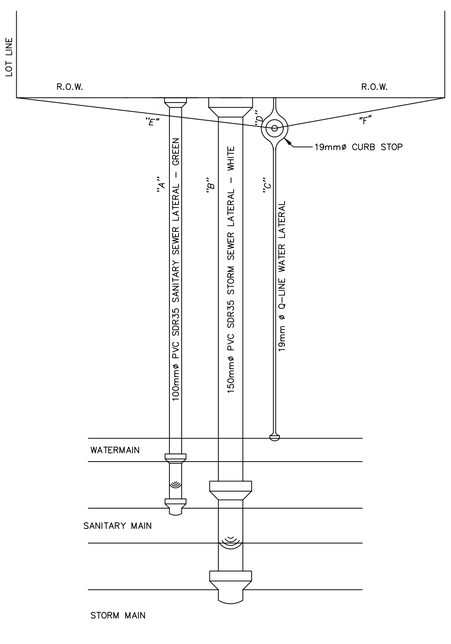
ROADBED MATERIAL THICKNESS

MATERIAL	WAKEFIELD STREET	SATARA DRIVE	RICKER DRIVE
ASPHALT SEAL N.B.D.O.T. TYPE "D"	40mm	40mm	40mm
ASPHALT SEAL N.B.D.O.T. TYPE "B"	60mm	60mm	60mm
CRUSHED STONE 31.5mm MINUS	200mm	200mm	200mm
CRUSHED STONE 75mm MINUS	300mm	300mm	300mm
CRUSHED STONE UNDER CURB	335mm	335mm	335mm
R.O.W. WIDTH	18.0m	VARIES	20.0m
ALIGNMENT	OFFSET	OFFSET	OFFSET
CURB TYPE	MOUNTABLE	MOUNTABLE	MOUNTABLE
SIDEWALK	2.0m WIDE INTERGRATED	2.0m WIDE INTERGRATED	2.0m WIDE INTERGRATED

SEE DRAWING NO. S/D 2A SHOWN IN MONCTON SUBDIVISION DEVELOPMENT PROCEDURES, STANDARDS AND GUIDELINES (LATEST EDITION) FOR ROAD CROSS SECTION.

SINGLE UNIT SERVICE CONNECTION CONFIGURATION

N.T.S.

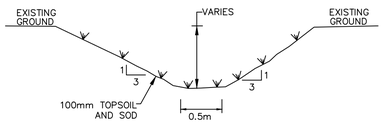


SERVICE LATERAL SCHEDULE

SANITARY LATERALS			STORM LATERALS			WATER LATERALS					
LOT NUMBER	DISTANCE FROM MAINLINE TO PROPERTY LINE (ENDCAP) "A"	INVERT AT PROPERTY LINE (ENDCAP)	LOT NUMBER	DISTANCE FROM MAINLINE TO PROPERTY LINE (ENDCAP) "B"	INVERT AT PROPERTY LINE (ENDCAP)	LOT NUMBER	DISTANCE FROM MAINLINE TO CURBSTOP "C"	DISTANCE FROM CURBSTOP TO PROPERTY LINE "D"	INVERT AT PROPERTY LINE	DISTANCE FROM CURBSTOP TO PROPERTY LINE "E"	"F"
1	7.90	62.40	1	5.16	62.40	1	10.37	0.63	62.81	12.44	10.76
2	7.96	62.41	2	5.48	62.41	2	10.18	0.82	62.63	12.54	10.68
3	8.01	62.36	3	5.79	62.36	3	10.20	0.80	62.37	12.21	10.69
4	9.70	62.26	4	7.12	62.26	4	11.80	0.97	62.15	14.87	9.91
5	7.11	62.15	5	4.04	62.03	5	9.71	0.40	62.15	12.43	11.50
6	8.15	61.95	6	5.13	61.95	6	10.48	0.52	62.34	12.08	10.70
7	6.81	61.75	7	3.90	61.75	7	9.78	0.04	62.44	10.65	12.21
8	7.25	61.68	8	4.33	61.68	8	10.31	−0.13	62.33	11.82	11.04
9	7.65	61.74	9	4.74	61.74	9	10.19	0.35	62.12	11.19	10.16
10	7.88	61.66	10	4.89	61.63	10	9.93	0.89	61.90	11.93	11.00
11	7.96	61.24	11	4.82	61.24	11	10.96	−0.12	61.66	10.96	10.86
12	8.04	61.10	12	4.75	61.10	12	10.96	−0.08	61.43	11.89	10.97
13	8.12	60.93	13	4.68	60.98	13	11.09	−0.18	61.29	10.93	8.14
14	8.71	61.00	14	5.56	61.00	14	10.77	0.61	61.15	4.21	11.61
15	8.04	61.29	15	4.86	61.29	15	11.20	−0.16	61.36	9.84	11.66
16	8.02	61.01	16	4.91	61.01	16	11.04	−0.08	61.51	8.48	9.81
32	8.01	60.96	32	4.98	60.96	32	10.67	0.21	61.80	13.42	14.23
54	9.96	62.35	54	12.11	62.35	54	6.32	0.68	62.32	12.64	10.24
55	10.01	62.42	55	12.38	62.42	55	6.42	0.58	62.54	9.80	7.01
56	10.08	62.53	56	12.72	62.53	56	5.98	1.01	62.79	18.35	19.48
57	10.80	62.21	57	13.80	62.21	57	6.87	0.86	62.17	14.23	10.14
58	9.94	62.01	58	13.20	62.01	58	6.66	0.30	62.21	12.96	10.36
59	10.83	61.85	59	13.71	61.85	59	7.14	0.57	62.46	9.83	6.96
60	11.11	61.83	60	14.05	61.83	60	7.11	1.05	62.49	10.53	9.42
61	10.78	61.94	61	13.70	61.94	61	6.88	0.99	62.39	10.30	8.34
62	10.44	61.65	62	13.36	61.65	62	7.46	0.12	62.21	11.31	8.54
63	10.15	61.65	63	13.08	61.65	63	6.69	0.58	62.02	10.46	8.12
64	10.08	61.45	64	13.13	61.45	64	6.35	0.81	61.74	9.71	7.15
65	10.02	61.21	65	13.20	61.21	65	6.65	0.51	61.64	12.89	8.51
66	9.97	61.14	66	13.14	61.14	66	7.17	−0.15	61.51	20.62	13.40
67A	10.01	60.80	65	13.08	60.80	65	6.24	0.82	61.56	35.25	1.11
67B	10.00	60.98	66	13.01	60.98	66	6.71	0.43	61.82	13.77	22.24
1311 RYAN	11.98	62.45	1311 RYAN	18.56	62.45	1311 RYAN	5.35	2.75	62.83	14.51	24.02

MAJOR DRAIN DETAIL

N.T.S.

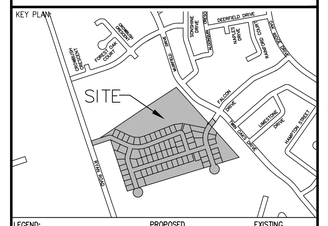


WSP Canada Inc.
1070 St. George Boulevard, Suite 160
Moncton, New Brunswick, Canada E1E 4K7
T 506-857-1675 F 506-857-1679 www.wsp.com

SEAL:

REGISTERED PROFESSIONAL ENGINEER Province of New Brunswick #M7212 Denis P. LeBlanc Signature January 7, 2019 Date Province du Nouveau-Brunswick INGÉNIEUR IMMATRICULÉ

KEY PLAN



LEGEND:	PROPOSED	EXISTING
EDGE OF PAVEMENT		
LOTLINE		
WATERMAIN & GATE VALVE	W — M	EW — M3
SANITARY PIPE & MANHOLE	SAN — MH	ESAN — MH3
STORM PIPE & MANHOLE	STM — MH	ESTM — MH3
UTILITY LINES & POLE	OH — HO	EOH — HO3
STREET BOUNDARY		SANITARY LATERAL
PROPERTY BOUNDARY		STORM LATERAL
EASEMENT		WATER LATERAL
CURB & DRIVEWAY CUT		CATCH BASIN LEAD
CATCH BASIN	ENDCAP	CULVERT
FIRE HYDRANT	LIGHT STANDARD	HEADWALL
STREET TREE	PHONE PEDESTAL	SIDEWALK
UTILITY POLE	URD BOX	FENCE

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
6	2019/01/07	FINAL ABOVE GROUND RECORD DRAWING
5	2018/12/21	ABOVE GROUND RECORD DRAWING FOR REVIEW
4	2018/04/02	FINAL BELOW GROUND RECORD DRAWINGS
3	2018/03/26	BELOW GROUND RECORD DRAWINGS FOR REVIEW
2	2017/08/14	ISSUED FOR CONSTRUCTION
1	2017/07/21	REVISED AS PER CITY COMMENTS
0	2017/05/25	ISSUED FOR REVIEW

PROJECT NO: MN10312 — DATE: (YYYY/MM/DD) 2019/01/07
ORIGINAL SCALE: HORIZONTAL: N/A VERTICAL: N/A
DESIGNED BY: L.ROY
DRAWN BY: C.LANDRY/D.BOUCHER
CHECKED BY: D.LEBLANC
IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
25mm

CLIENT:
CVR HOME IMPROVEMENTS
CLIENT REF. #:

PROJECT:
LIBERTY HILL ESTATES
UNIT 5 PHASE 2
MONCTON, NEW BRUNSWICK

TITLE:
RECORD DRAWING
NOTES & DETAILS

SHEET NUMBER: 5
SHEET #: 5 OF 5

ISSUE: FINAL ABOVE GROUND RECORD DRAWING
DATE OF: 2019/01/07
REV #: 6

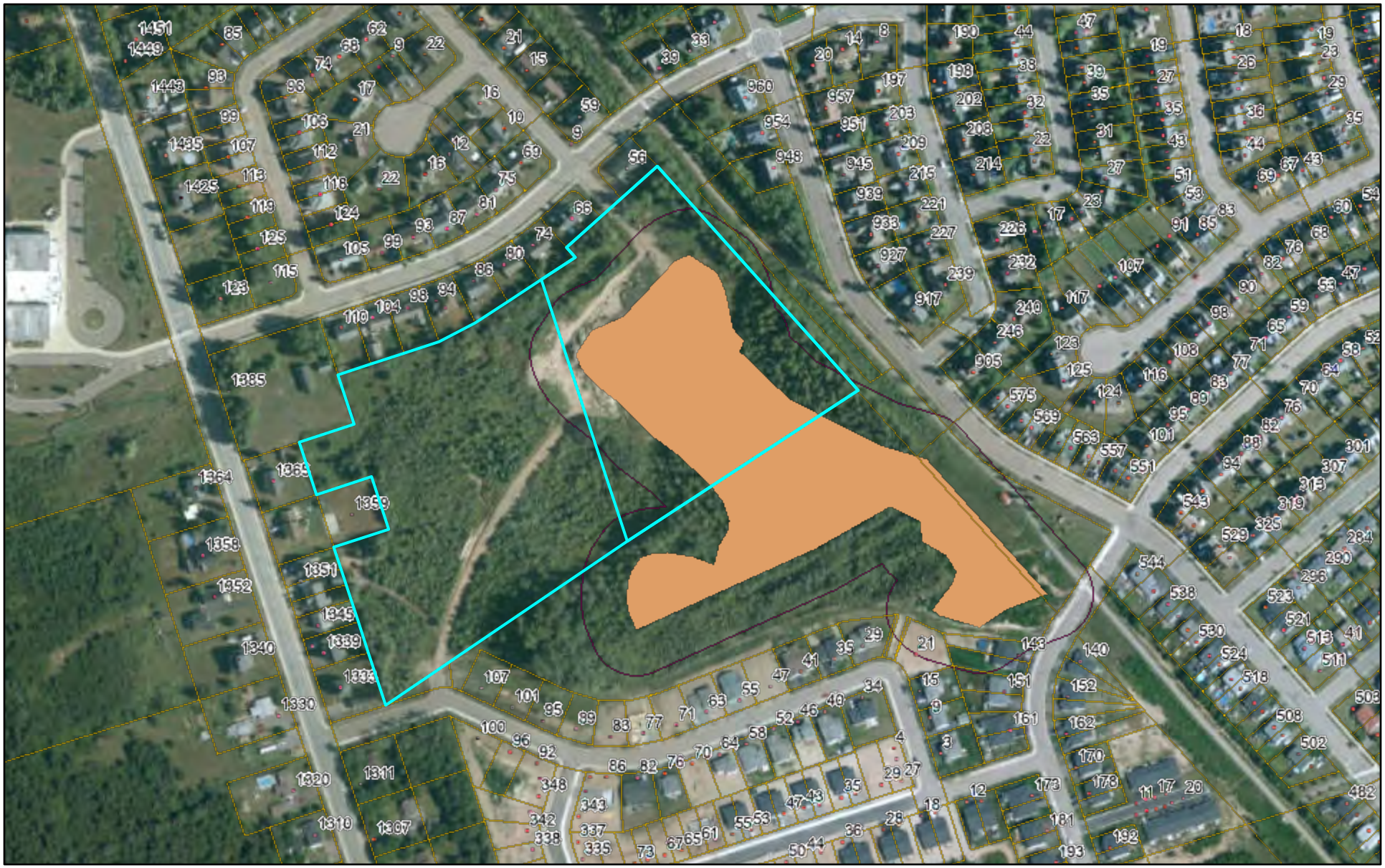
XREFS: K:\MONCTON\2010\10312\DWG\ENG\SOURCE DRAWINGS\10312-ROAD FEATURES.DWG - K:\MONCTON\2010\10312\DWG\ENG\SOURCE DRAWINGS\10312-KEYPLAN.DWG - K:\MONCTON\2010\10312\DWG\ENG\SOURCE DRAWINGS\PHASE 2\DWG

GENXREF REF. NO.: K:\MONCTON\2010\10312\DWG\ENG\PRODUCTION DRAWINGS\PHASE II\AS-BUILT\10312-USP2-NOTES-DETAILS-001.DWG - PRINTED: 10:27 AM 2019/01/07 - BY: CHARLES.LANDRY

APPENDIX C

Site Location Plan

21.03.162 - Site Location Plan



11/30/2021, 12:52:02 PM

Civic Addresses

parcels

2

Buffer 30m

Year of Photography

Large Scale / Grande échelle

1:3,571

0 0.03 0.06 0.12 mi

0 0.05 0.1 0.19 km

Department of Environment & Local Government/Ministère de

GeoNB

This map is a graphical representation which approximates the size, configuration and location of features. This map is not intended to be used for legal descriptions or to calculate exact dimensions or area.

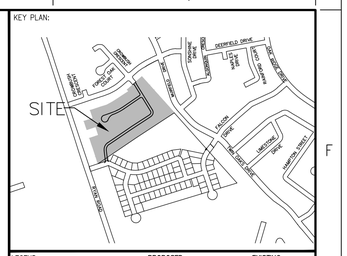
APPENDIX D

Proposed Development Plan

TYPICAL STREET CROSS-SECTION

SCALE: N.T.S.

KEY PLAN:



LEGEND:	PROPOSED	EXISTING
EDGE OF PAVEMENT		
LOTLINE		
WATERMAIN & GATE VALVE	W — M	EW — MJ
SANITARY PIPE & MANHOLE	SAN — NYS	ESAN — NYSJ
STORM PIPE & MANHOLE	STM — PLLS	ESTM — PLLSJ
UTILITY LINES & POLE	OH — HO	EOH — HOJ
STREET BOUNDARY		SANITARY LATERAL
PROPERTY BOUNDARY		STORM LATERAL
EASEMENT		WATER LATERAL
CURB & DRIVEWAY CUT		CATCH BASIN LEAD
CATCH BASIN	ENDCAP	CULVERT
FIRE HYDRANT	LIGHT STANDARD	HEADWALL
STREET TREE	PHONE PEDESTAL	SIDEWALK
ROAD SIGN	URD BOX	FENCE

SEAL:

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
0	2021/02/04	EIA APPLICATION

PROJECT NO: 201-08268

DATE: (YYYY/MM/DD) 2021/02/04

ORIGINAL SCALE: HORIZONTAL: 1:750 VERTICAL: NA

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.

25mm

DESIGNED BY: S. WELLS

DRAWN BY: S. WELLS

CHECKED BY: D. LEBLANC

APPROVED BY: D. LEBLANC

SCALE: 1:750 METRIC

15 10 5 0 15 30 45

WSP Canada Inc.
1070 St. George Boulevard, Suite 160
Moncton, New Brunswick, Canada E1E 4K7
T 506-857-1675 F 506-857-1679 www.wsp.com

CLIENT:

ROBALY HOMES

CLIENT REF. #: REF NUM

PROJECT:

NEW RESIDENTIAL DEVELOPMENT

TITLE:

STREET LAYOUT AND SERVICING SCHEMATIC

SHEET NUMBER: 1

SHEET #: 1 OF 1

ISSUE: EIA APPLICATION

DATE OF: 2021/02/04

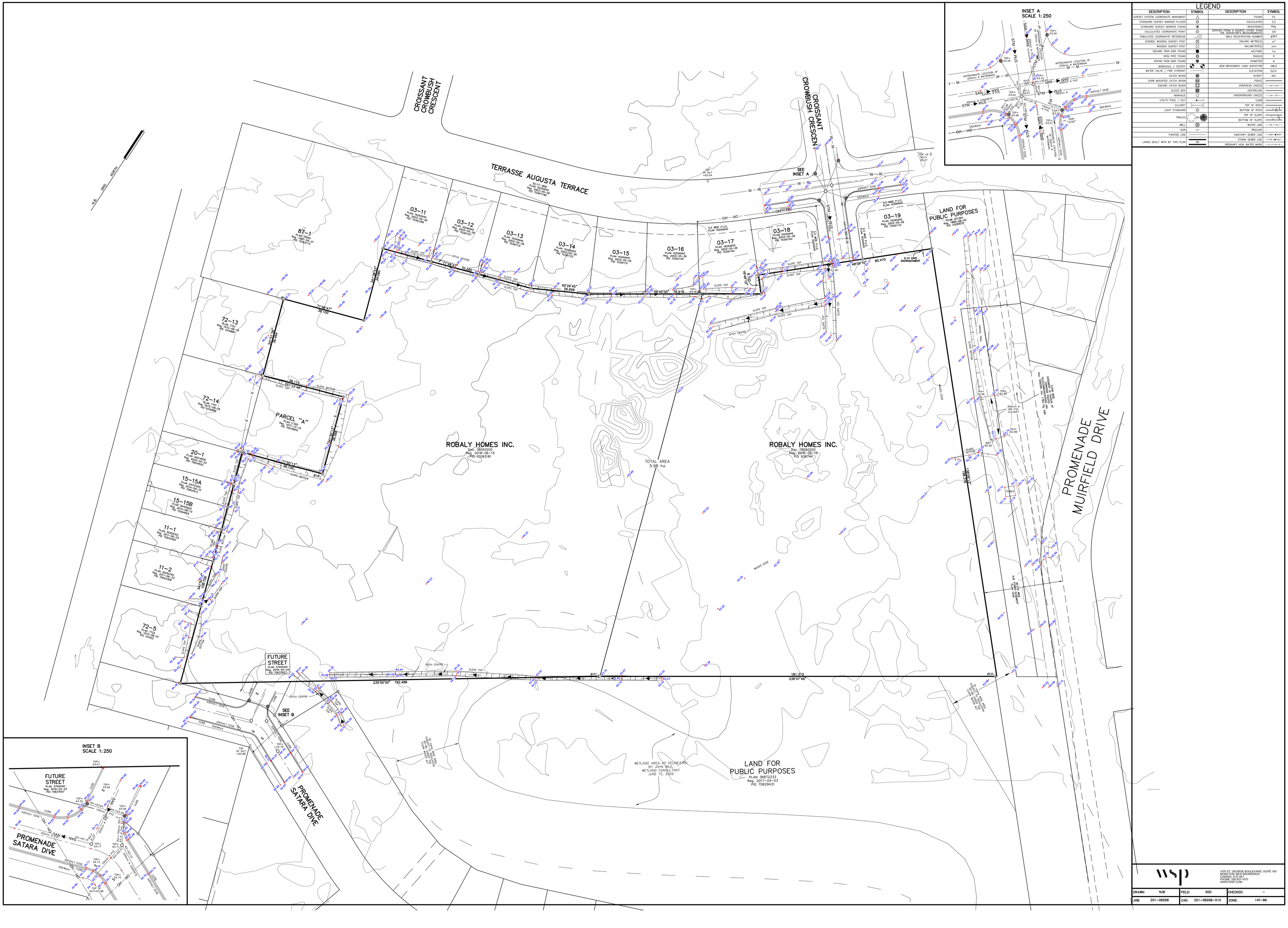
REV # 0

WSP REF. NO.: #### K:\MONCTON\2020\201-08268 - ROBALY HOMES, DEVELOPMENT, MAGNETIC HILL ESTATES\DWG\ENG\PRELIMINARY\201-08268-PLAN PROFILE.DWG OVERALL PRINTED: 1:54 PM 2021/02/04 BY: SCOTT.WELLS

XREFS: (DIESEL evaluation failed)

APPENDIX E

Topography Mapping and Plan



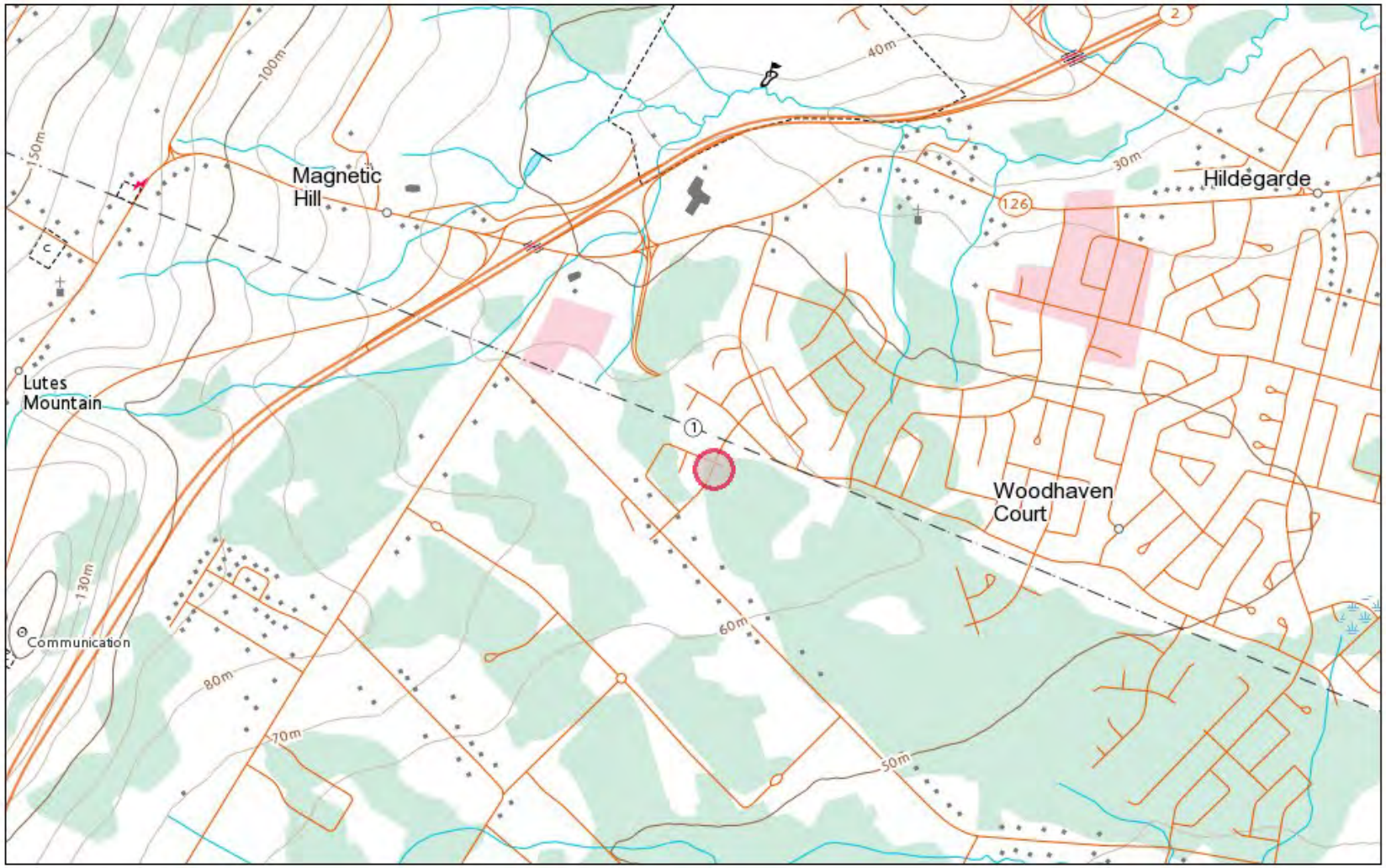
LEGEND

DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL
SURVEY SYSTEM COORDINATE MONUMENT		FOUND	Fd.
STANDARD SURVEY MARKER PLACED		CALCULATED	(c)
STANDARD SURVEY MARKER FOUND		REGISTERED	Reg.
CALCULATED COORDINATE POINT		DERIVED FROM 5' DOUBLE TAPE TIES FROM A SOLID LINE	(d)
TABULATED COORDINATE REFERENCE		NBLS REGISTRATION NUMBER	#XX-#
SCRIBED WOODEN SURVEY POST		SQUARE METRE(S)	m²
WOODEN SURVEY POST		MILLIMETER(S)	mm.
SQUARE IRON BAR FOUND		HECTARE	ha
IRON PIPE FOUND		RADIUS	R
ROUND IRON BAR FOUND		DIAMETER	ø
BOREHOLE / TESTPIT		NEW BRUNSWICK LAND SURVEYOR	NBLS
WATER VALVE / FIRE HYDRANT		ELEVATION	ELEV.
CATCH BASIN		INVERT	INV.
CURB MOUNTED CATCH BASIN		FENCE	
SQUARE CATCH BASIN		OVERHEAD LINE(S)	
SLUICE BOX		CENTRELINE	
MANHOLE		UNDERGROUND LINE(S)	
UTILITY POLE / GUY		CURB	
CULVERT		TOP OF ROCK	
LIGHT STANDARD		BOTTOM OF ROCK	
TREE(S)		TOP OF SLOPE	
		BOTTOM OF SLOPE	
WELL		WATER LINE	
SIGN		TREELINE	
PAINTED LINE		SANITARY SEWER LINE	
		STORM SEWER LINE	
LANDS DEALT WITH BY THIS PLAN		ORDINARY HIGH WATER MARK	

wsp
1070 ST. GEORGE BOULEVARD, SUITE 160
MONCTON, NEW BRUNSWICK
CANADA, E1E 4K7
PHONE: (506) 857-9075
WWW.WSP.COM

DRAWN: NJB	FIELD: SGD	CHECKED: –	
JOB: 201-08268	CAD: 201-08268-510	ZONE: 14T-86	

Toporama



November 30, 2021

pointLayer

Override 1

1:17,500

0 0.15 0.3 0.6 mi

0 0.225 0.45 0.9 km

Natural Resources Canada | Ressources naturelles Canada

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Canada

APPENDIX F

Atlantic Canada Conservation Data Centre Report

Atlantic Canada Conservation Data Centre
Centre de données sur la conservation du Canada atlantique

DATA REPORT 6980: Moncton, NB

Prepared 22 June 2021
by C. Robicheau, Data Manager

CONTENTS OF REPORT

1.0 Preface
- 1.1 Data List
- 1.2 Restrictions
- 1.3 Additional Information
- Map 1: Buffered Study Area

2.0 Rare and Endangered Species
- 2.1 Flora
- 2.2 Fauna
- Map 2: Flora and Fauna

3.0 Special Areas
- 3.1 Managed Areas
- 3.2 Significant Areas
- Map 3: Special Areas

4.0 Rare Species Lists
- 4.1 Fauna
- 4.2 Flora
- 4.3 Location Sensitive Species
- 4.4 Source Bibliography

5.0 Rare Species within 100 km
- 5.1 Source Bibliography

Map 1. A 100 km buffer around the study area

1.0 PREFACE

The Atlantic Canada Conservation Data Centre (AC CDC; www.accdc.com) is part of a network of NatureServe data centres and heritage programs serving 50 states in the U.S.A, 10 provinces and 1 territory in Canada, plus several Central and South American countries. The NatureServe network is more than 30 years old and shares a common conservation data methodology. The AC CDC was founded in 1997, and maintains data for the jurisdictions of New Brunswick, Nova Scotia, Prince Edward Island, and Newfoundland and Labrador. Although a non-governmental agency, the AC CDC is supported by 6 federal agencies and 4 provincial governments, as well as through outside grants and data processing fees.

Upon request and for a fee, the AC CDC queries its database and produces customized reports of the rare and endangered flora and fauna known to occur in or near a specified study area. As a supplement to that data, the AC CDC includes locations of managed areas with some level of protection, and known sites of ecological interest or sensitivity.

1.1 DATA LIST

Included datasets:

Filename	Contents
MonctonNB_6980ob.xls	Rare or legally-protected Flora and Fauna in your study area
MonctonNB_6980ob100km.xls	A list of Rare and legally protected Flora and Fauna within 100 km of your study area

1.2 RESTRICTIONS

The AC CDC makes a strong effort to verify the accuracy of all the data that it manages, but it shall not be held responsible for any inaccuracies in data that it provides. By accepting AC CDC data, recipients assent to the following limits of use:

a) Data is restricted to use by trained personnel who are sensitive to landowner interests and to potential threats to rare and/or endangered flora and fauna posed by the information provided.
b) Data is restricted to use by the specified Data User; any third party requiring data must make its own data request.
c) The AC CDC requires Data Users to cease using and delete data 12 months after receipt, and to make a new request for updated data if necessary at that time.
d) AC CDC data responses are restricted to the data in our Data System at the time of the data request.
e) Each record has an estimate of locational uncertainty, which must be referenced in order to understand the record's relevance to a particular location. Please see attached Data Dictionary for details.
f) AC CDC data responses are not to be construed as exhaustive inventories of taxa in an area.
g) The absence of a taxon cannot be inferred by its absence in an AC CDC data response.

1.3 ADDITIONAL INFORMATION

The accompanying Data Dictionary provides metadata for the data provided.

Please direct any additional questions about AC CDC data to the following individuals:

Plants, Lichens, Ranking Methods, All other Inquiries
Sean Blaney, Senior Scientist, Executive Director
Tel: (506) 364-2658
sean.blaney@accdc.ca

Animals (Fauna)
John Klymko, Zoologist
Tel: (506) 364-2660
john.klymko@accdc.ca

Plant Communities
Sarah Robinson, Community Ecologist
Tel: (506) 364-2664
sarah.robinson@accdc.ca

Data Management, GIS
James Churchill, Data Manager
Tel: (902) 679-6146
james.churchill@accdc.ca

Billing
Jean Breau
Tel: (506) 364-2657
jean.breau@accdc.ca

Questions on the biology of Federal Species at Risk can be directed to AC CDC: (506) 364-2658, with questions on Species at Risk regulations to: Samara Eaton, Canadian Wildlife Service (NB and PE): (506) 364-5060 or Julie McKnight, Canadian Wildlife Service (NS): (902) 426-4196.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in New Brunswick, please contact Hubert Askanas, Energy and Resource Development: (506) 453-5873.

For provincial information about rare taxa and protected areas, or information about game animals, deer yards, old growth forests, archeological sites, fish habitat etc., in Nova Scotia, please contact Donna Hurlburt, NS DLF: (902) 679-6886. To determine if location-sensitive species (section 4.3) occur near your study site please contact a NS DLF Regional Biologist:

Western: Emma Vost
(902) 670-8187
Emma.Vost@novascotia.ca

Western: Sarah Spencer
(902) 541-0081
Sarah.Spencer@novascotia.ca

Central: Shavonne Meyer
(902) 893-0816
Shavonne.Meyer@novascotia.ca

Central: Kimberly George
(902) 890-1046
Kimberly.George@novascotia.ca

Eastern: Harrison Moore
(902) 497-4119
Harrison.Moore@novascotia.ca

Eastern: Maureen Cameron-MacMillan
(902) 295-2554
Maureen.Cameron-MacMillan@novascotia.ca

Eastern: Elizabeth Walsh
(902) 563-3370
Elizabeth.Walsh@novascotia.ca

For provincial information about rare taxa and protected areas, or information about game animals, fish habitat etc., in Prince Edward Island, please contact Garry Gregory, PEI Dept. of Communities, Land and Environment: (902) 569-7595.

2.0 RARE AND ENDANGERED SPECIES

2.1 FLORA

The study area contains 4 records of 4 vascular and no records of nonvascular flora (Map 2 and attached: *ob.xls).

2.2 FAUNA

The study area contains 158 records of 50 vertebrate, 8 records of 5 invertebrate fauna (Map 2 and attached data files - see 1.1 Data List). Please see section 4.3 to determine if 'location-sensitive' species occur near your study site.

Map 2: Known observations of rare and/or protected flora and fauna within the study area.

RESOLUTION

- 4.7 within 50s of kilometers
- 4.0 within 10s of kilometers
- 3.7 within 5s of kilometers
- 3.0 within kilometers
- 2.7 within 500s of meters
- 2.0 within 100s of meters
- 1.7 within 10s of meters

HIGHER TAXON

- vertebrate fauna
- invertebrate fauna
- vascular flora
- nonvascular flora

3.0 SPECIAL AREAS

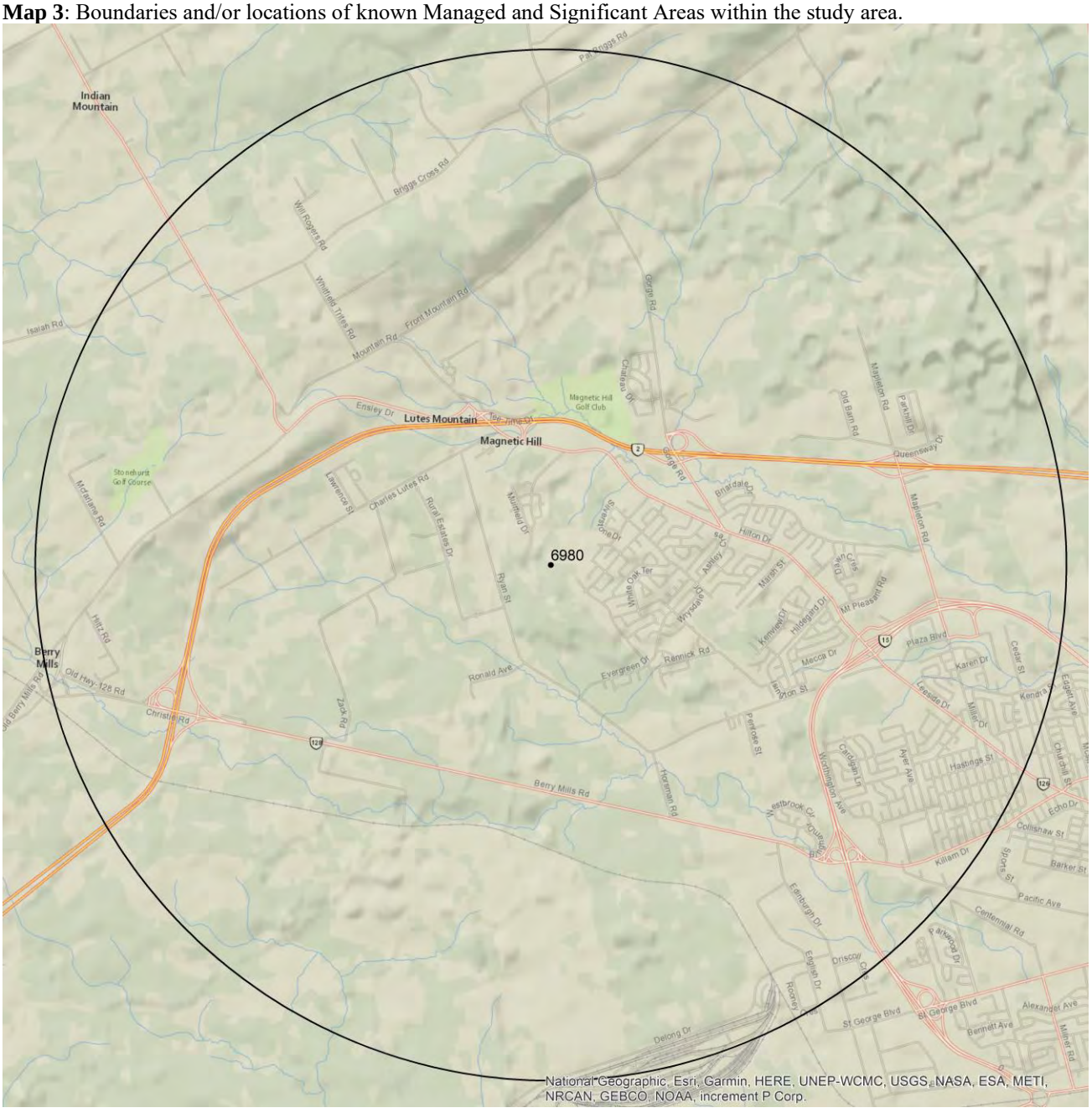
3.1 MANAGED AREAS

The GIS scan identified no managed areas in the vicinity of the study area (Map 3 and attached file: *msa.xls).

3.2 SIGNIFICANT AREAS

The GIS scan identified no biologically significant sites in the vicinity of the study area (Map 3 and attached file: *msa.xls).

Map 3: Boundaries and/or locations of known Managed and Significant Areas within the study area.



4.0 RARE SPECIES LISTS

Rare and/or endangered taxa (excluding "location-sensitive" species, section 4.3) within the study area listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (± the precision, in km, of the record). [P] = vascular plant, [N] = nonvascular plant, [A] = vertebrate animal, [I] = invertebrate animal, [C] = community. Note: records are from attached files *ob.xls/*ob.shp only.

4.1 FLORA

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
P	*Fraxinus nigra*	Black Ash	Threatened			S4S5	1	2.1 ± 0.0
P	*Spiranthes ochroleuca*	Yellow Ladies'-tresses				S2	1	3.6 ± 0.0
P	*Elymus canadensis*	Canada Wild Rye				S2	1	3.7 ± 1.0
P	*Geranium bicknellii*	Bicknell's Crane's-bill				S3	1	4.6 ± 5.0

4.2 FAUNA

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	*Salmo salar pop. 1*	Atlantic Salmon - Inner Bay of Fundy pop.	Endangered	Endangered	Endangered	S2	1	2.6 ± 1.0
A	*Lanius ludovicianus*	Loggerhead Shrike	Endangered	Endangered		SXB,SXM	1	4.7 ± 0.0
A	*Sturnella magna*	Eastern Meadowlark	Threatened	Threatened	Threatened	S1B,S1M	1	2.9 ± 7.0
A	*Ixobrychus exilis*	Least Bittern	Threatened	Threatened	Threatened	S1S2B,S1S2M	1	4.0 ± 7.0
A	*Hylocichla mustelina*	Wood Thrush	Threatened	Threatened	Threatened	S1S2B,S1S2M	1	2.9 ± 7.0
A	*Antrostomus vociferus*	Eastern Whip-Poor-Will	Threatened	Threatened	Threatened	S2B,S2M	1	4.0 ± 7.0
A	*Hirundo rustica*	Barn Swallow	Threatened	Threatened	Threatened	S2B,S2M	5	2.5 ± 2.0
A	*Riparia riparia*	Bank Swallow	Threatened	Threatened		S2S3B,S2S3M	5	4.0 ± 7.0
A	*Dolichonyx oryzivorus*	Bobolink	Threatened	Threatened	Threatened	S3B,S3M	6	4.0 ± 7.0
A	*Anguilla rostrata*	American Eel	Threatened		Threatened	S4	1	2.6 ± 1.0
A	*Bucephala islandica (Eastern pop.)*	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	1	2.7 ± 11.0
A	*Euphagus carolinus*	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	1	4.7 ± 0.0
A	*Contopus cooperi*	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B,S3M	1	4.7 ± 0.0
A	*Cardellina canadensis*	Canada Warbler	Special Concern	Threatened	Threatened	S3B,S3M	2	4.0 ± 7.0
A	*Chordeiles minor*	Common Nighthawk	Special Concern	Threatened	Threatened	S3B,S4M	6	3.3 ± 0.0
A	*Contopus virens*	Eastern Wood-Pewee	Special Concern	Special Concern	Special Concern	S4B,S4M	7	4.0 ± 7.0
A	*Bubo scandiacus*	Snowy Owl	Not At Risk			S1N,S2S3M	2	2.4 ± 1.0
A	*Fulica americana*	American Coot	Not At Risk			S1S2B,S1S2M	1	4.0 ± 7.0
A	*Buteo lineatus*	Red-shouldered Hawk	Not At Risk			S2B,S2M	1	4.7 ± 0.0
A	*Chlidonias niger*	Black Tern	Not At Risk			S2B,S2M	1	4.0 ± 7.0
A	*Vireo flavifrons*	Yellow-throated Vireo				S1?B,S1?M	1	4.0 ± 7.0
A	*Progne subis*	Purple Martin				S1B,S1M	1	2.9 ± 7.0
A	*Eremophila alpestris*	Horned Lark				S1B,S4N,S5M	2	4.7 ± 0.0
A	*Butorides virescens*	Green Heron				S1S2B,S1S2M	1	4.0 ± 7.0
A	*Nycticorax nycticorax*	Black-crowned Night-heron				S1S2B,S1S2M	1	4.7 ± 0.0
A	*Empidonax traillii*	Willow Flycatcher				S1S2B,S1S2M	1	4.0 ± 7.0
A	*Cistothorus palustris*	Marsh Wren				S2B,S2M	8	4.0 ± 7.0
A	*Mimus polyglottos*	Northern Mockingbird				S2B,S2M	6	2.9 ± 7.0
A	*Pooecetes gramineus*	Vesper Sparrow				S2B,S2M	1	4.7 ± 0.0
A	*Mareca strepera*	Gadwall				S2B,S3M	1	4.0 ± 7.0
A	*Tringa solitaria*	Solitary Sandpiper				S2B,S5M	2	4.7 ± 0.0
A	*Larus hyperboreus*	Glaucous Gull				S2N,S2M	3	3.6 ± 0.0
A	*Spatula clypeata*	Northern Shoveler				S2S3B,S2S3M	3	4.0 ± 7.0
A	*Petrochelidon pyrrhonota*	Cliff Swallow				S2S3B,S2S3M	3	4.0 ± 7.0
A	*Calcarius lapponicus*	Lapland Longspur				S2S3N,SUM	2	2.7 ± 9.0
A	*Rallus limicola*	Virginia Rail				S3B,S3M	5	4.0 ± 7.0
A	*Charadrius vociferus*	Killdeer				S3B,S3M	13	2.5 ± 2.0

	Scientific *Name*	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)
A	*Tringa semipalmata*	Willet				S3B,S3M	1	1.3 ± 0.0
A	*Coccyzus erythropthalmus*	Black-billed Cuckoo				S3B,S3M	1	4.7 ± 0.0
A	*Vireo gilvus*	Warbling Vireo				S3B,S3M	4	4.0 ± 7.0
A	*Piranga olivacea*	Scarlet Tanager				S3B,S3M	1	4.0 ± 7.0
A	*Passerina cyanea*	Indigo Bunting				S3B,S3M	1	2.4 ± 0.0
A	*Molothrus ater*	Brown-headed Cowbird				S3B,S3M	9	1.3 ± 4.0
A	*Icterus galbula*	Baltimore Oriole				S3B,S3M	10	4.0 ± 7.0
A	*Setophaga tigrina*	Cape May Warbler				S3B,S4S5M	2	2.5 ± 0.0
A	*Anas acuta*	Northern Pintail				S3B,S5M	2	4.0 ± 7.0
A	*Tyrannus tyrannus*	Eastern Kingbird				S3S4B,S3S4M	5	4.0 ± 7.0
A	*Actitis macularius*	Spotted Sandpiper				S3S4B,S5M	11	2.5 ± 2.0
A	*Gallinago delicata*	Wilson's Snipe				S3S4B,S5M	9	4.0 ± 7.0
A	*Larus delawarensis*	Ring-billed Gull				S3S4B,S5M	2	2.1 ± 0.0
I	*Danaus plexippus*	Monarch	Endangered	Special Concern	Special Concern	S3B,S3M	3	1.9 ± 0.0
I	*Coccinella transversoguttata richardsoni*	Transverse Lady Beetle	Special Concern			SH	1	2.0 ± 1.0
I	*Hippodamia parenthesis*	Parenthesis Lady Beetle				S3	2	3.6 ± 0.0
I	*Satyrium acadica*	Acadian Hairstreak				S3	1	1.6 ± 0.0
I	*Satyrium liparops*	Striped Hairstreak				S3S4	1	1.9 ± 0.0

4.3 LOCATION SENSITIVE SPECIES

The Department of Natural Resources in each Maritimes province considers a number of species "location sensitive". Concern about exploitation of location-sensitive species precludes inclusion of precise coordinates in this report. Those intersecting your study area are indicated below with "YES".

New Brunswick

Scientific *Name*	Common Name	SARA	Prov Legal Prot	Known within the Study Site?
Chrysemys picta picta	Eastern Painted Turtle			No
Chelydra serpentina	Snapping Turtle	Special Concern	Special Concern	No
Glyptemys insculpta	**Wood Turtle**	**Threatened**	**Threatened**	**YES**
Haliaeetus leucocephalus	Bald Eagle		Endangered	No
Falco peregrinus pop. 1	Peregrine Falcon - anatum/tundrius pop.	Special Concern	Endangered	No
Cicindela marginipennis	Cobblestone Tiger Beetle	Endangered	Endangered	No
Coenonympha nipisiquit	Maritime Ringlet	Endangered	Endangered	No
Bat hibernaculum or bat species occurrence		**[Endangered][1]**	**[Endangered][1]**	**YES**

1 *Myotis lucifugus* (Little Brown Myotis), *Myotis septentrionalis* (Long-eared Myotis), and *Perimyotis subflavus* (Tri-colored Bat or Eastern Pipistrelle) are all Endangered under the Federal Species at Risk Act and the NB Species at Risk Act.

4.4 SOURCE BIBLIOGRAPHY

The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

# recs	CITATION
70	Lepage, D. 2014. Maritime Breeding Bird Atlas Database. Bird Studies Canada, Sackville NB, 407,838 recs.
62	eBird. 2014. eBird Basic Dataset. Version: EBD_relNov-2014. Ithaca, New York. Nov 2014. Cornell Lab of Ornithology, 25036 recs.
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3	iNaturalist. 2018. iNaturalist Data Export 2018. iNaturalist.org and iNaturalist.ca, Web site: 11700 recs.
3	iNaturalist. 2020. iNaturalist Data Export 2020. iNaturalist.org and iNaturalist.ca, Web site: 128728 recs.
2	Epworth, W. 2012. Species at Risk records, 2009-11. Fort Folly Habitat Recovery Program, 162 recs.
2	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
1	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2003.

# recs	CITATION
1	Clayden, S.R. 1998. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, 19759 recs.
1	Doucet, D.A. 2007. Lepidopteran Records, 1988-2006. Doucet, 700 recs.
1	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
1	Klymko, J. Univeriste de Moncton insect collection butterfly record dataset. Atlantic Canada Conservation Data Centre. 2017.
1	Majka, C. 2009. Université de Moncton Insect Collection: Carabidae, Cerambycidae, Coccinellidae. Université de Moncton, 540 recs.
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5.0 RARE SPECIES WITHIN 100 KM

A 100 km buffer around the study area contains 57560 records of 144 vertebrate and 1438 records of 81 invertebrate fauna; 8895 records of 320 vascular and 2262 records of 198 nonvascular flora (attached: *ob100km.xls).

Taxa within 100 km of the study site that are rare and/or endangered in the province in which the study site occurs (including “location-sensitive” species). All ranks correspond to the province in which the study site falls, even for out-of-province records. Taxa are listed in order of concern, beginning with legally listed taxa, with the number of observations per taxon and the distance in kilometers from study area centroid to the closest observation (± the precision, in km, of the record).

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	*Myotis lucifugus*	Little Brown Myotis	Endangered	Endangered	Endangered	S1	23	27.1 ± 1.0	NB
A	*Myotis septentrionalis*	Northern Long-eared Myotis	Endangered	Endangered	Endangered	S1	13	27.1 ± 1.0	NB
A	*Perimyotis subflavus*	Eastern Pipistrelle	Endangered	Endangered	Endangered	S1	17	17.0 ± 1.0	NB
A	*Sterna dougallii*	Roseate Tern	Endangered	Endangered	Endangered	S1?B,S1?M	1	98.3 ± 0.0	NS
A	*Charadrius melodus melodus*	Piping Plover melodus ssp	Endangered	Endangered	Endangered	S1B,S1M	1631	29.9 ± 0.0	NB
A	*Dermochelys coriacea (Atlantic pop.)*	Leatherback Sea Turtle - Atlantic pop.	Endangered	Endangered	Endangered	S1S2N	5	55.4 ± 1.0	NB
A	*Salmo salar pop. 1*	Atlantic Salmon - Inner Bay of Fundy pop.	Endangered	Endangered	Endangered	S2	644	2.6 ± 1.0	NB
A	*Salmo salar pop. 7*	Atlantic Salmon - Outer Bay of Fundy pop.	Endangered		Endangered	SNR	403	13.7 ± 0.0	NB
A	*Rangifer tarandus pop. 2*	Woodland Caribou (Atlantic-Gasp├⌐sie pop.)	Endangered	Endangered	Extirpated	SX	2	20.7 ± 1.0	NB
A	*Lanius ludovicianus*	Loggerhead Shrike	Endangered	Endangered		SXB,SXM	1	4.7 ± 0.0	NB
A	*Sturnella magna*	Eastern Meadowlark	Threatened	Threatened	Threatened	S1B,S1M	50	2.9 ± 7.0	NB
A	*Ixobrychus exilis*	Least Bittern	Threatened	Threatened	Threatened	S1S2B,S1S2M	19	4.0 ± 7.0	NB
A	*Hylocichla mustelina*	Wood Thrush	Threatened	Threatened	Threatened	S1S2B,S1S2M	98	2.9 ± 7.0	NB
A	*Antrostomus vociferus*	Eastern Whip-Poor-Will	Threatened	Threatened	Threatened	S2B,S2M	28	4.0 ± 7.0	NB
A	*Hirundo rustica*	Barn Swallow	Threatened	Threatened	Threatened	S2B,S2M	1646	2.5 ± 2.0	NB
A	*Catharus bicknelli*	Bicknell's Thrush	Threatened	Threatened	Threatened	S2B,S2M	11	9.8 ± 2.0	NB
A	*Oceanodroma leucorhoa*	Leach's Storm-Petrel	Threatened			S2B,SUM	1	39.8 ± 0.0	NB
A	*Glyptemys insculpta*	Wood Turtle	Threatened	Threatened	Threatened	S2S3	717	2.8 ± 0.0	NB
A	*Chaetura pelagica*	Chimney Swift	Threatened	Threatened	Threatened	S2S3B,S2M	275	7.7 ± 0.0	NB
A	*Riparia riparia*	Bank Swallow	Threatened	Threatened		S2S3B,S2S3M	1561	4.0 ± 7.0	NB
A	*Acipenser oxyrinchus*	Atlantic Sturgeon	Threatened		Threatened	S3	3	15.3 ± 1.0	NB
A	*Dolichonyx oryzivorus*	Bobolink	Threatened	Threatened	Threatened	S3B,S3M	2151	4.0 ± 7.0	NB
A	*Limosa haemastica*	Hudsonian Godwit	Threatened			S3S4M	436	32.9 ± 0.0	NB
A	*Anguilla rostrata*	American Eel	Threatened		Threatened	S4	7018	2.6 ± 1.0	NB
A	*Tringa flavipes*	Lesser Yellowlegs	Threatened			S4M	1716	10.0 ± 0.0	NB
A	*Coturnicops noveboracensis*	Yellow Rail	Special Concern	Special Concern	Special Concern	S1?B,SUM	5	40.7 ± 3.0	NB
A	*Histrionicus histrionicus pop. 1*	Harlequin Duck - Eastern pop.	Special Concern	Special Concern	Endangered	S1B,S1S2N,S2M	6	40.8 ± 0.0	NB
A	*Asio flammeus*	Short-eared Owl	Special Concern	Special Concern	Special Concern	S2B,S2M	47	13.4 ± 64.0	NB
A	*Bucephala islandica (Eastern pop.)*	Barrow's Goldeneye - Eastern pop.	Special Concern	Special Concern	Special Concern	S2M,S2N	112	2.7 ± 11.0	NB
A	*Salmo salar pop. 12*	Atlantic Salmon - Gaspe - Southern Gulf of St	Special Concern		Special Concern	S2S3	12	25.4 ± 50.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
		Lawrence pop.							
A	*Balaenoptera physalus*	Fin Whale	Special Concern	Special Concern		S2S3	1	56.2 ± 1.0	NB
A	*Acipenser brevirostrum*	Shortnose Sturgeon	Special Concern	Special Concern	Special Concern	S3	2	94.1 ± 10.0	NB
A	*Chelydra serpentina*	Snapping Turtle	Special Concern	Special Concern	Special Concern	S3	21	22.7 ± 1.0	NB
A	*Euphagus carolinus*	Rusty Blackbird	Special Concern	Special Concern	Special Concern	S3B,S3M	125	4.7 ± 0.0	NB
A	*Contopus cooperi*	Olive-sided Flycatcher	Special Concern	Threatened	Threatened	S3B,S3M	601	4.7 ± 0.0	NB
A	*Cardellina canadensis*	Canada Warbler	Special Concern	Threatened	Threatened	S3B,S3M	794	4.0 ± 7.0	NB
A	*Coccothraustes vespertinus*	Evening Grosbeak	Special Concern	Special Concern		S3B,S3S4N,SUM	373	10.7 ± 7.0	NB
A	*Chordeiles minor*	Common Nighthawk	Special Concern	Threatened	Threatened	S3B,S4M	278	3.3 ± 0.0	NB
A	*Phalaropus lobatus*	Red-necked Phalarope	Special Concern	Special Concern		S3M	22	14.4 ± 0.0	NB
A	*Phocoena phocoena*	Harbour Porpoise	Special Concern		Spec.Concern	S4	3	40.5 ± 0.0	NB
A	*Chrysemys picta picta*	Eastern Painted Turtle	Special Concern			S4	29	28.5 ± 0.0	NB
A	*Contopus virens*	Eastern Wood-Pewee	Special Concern	Special Concern	Special Concern	S4B,S4M	834	4.0 ± 7.0	NB
A	*Podiceps auritus*	Horned Grebe	Special Concern	Special Concern	Special Concern	S4N,S4M	53	30.0 ± 1.0	NB
A	*Hemidactylium scutatum*	Four-toed Salamander	Not At Risk			S1?	4	63.1 ± 0.0	NB
A	*Falco peregrinus pop. 1*	Peregrine Falcon - anatum/tundrius	Not At Risk	Special Concern	Endangered	S1B,S3M	356	7.7 ± 5.0	NB
A	*Bubo scandiacus*	Snowy Owl	Not At Risk			S1N,S2S3M	50	2.4 ± 1.0	NB
A	*Accipiter cooperii*	Cooper's Hawk	Not At Risk			S1S2B,S1S2M	10	12.1 ± 0.0	NB
A	*Fulica americana*	American Coot	Not At Risk			S1S2B,S1S2M	65	4.0 ± 7.0	NB
A	*Aegolius funereus*	Boreal Owl	Not At Risk			S1S2B,SUM	11	47.0 ± 0.0	NB
A	*Sorex dispar*	Long-tailed Shrew	Not At Risk			S2	3	36.5 ± 1.0	NB
A	*Buteo lineatus*	Red-shouldered Hawk	Not At Risk			S2B,S2M	26	4.7 ± 0.0	NB
A	*Chlidonias niger*	Black Tern	Not At Risk			S2B,S2M	191	4.0 ± 7.0	NB
A	*Lynx canadensis*	Canadian Lynx	Not At Risk		Endangered	S3	23	14.4 ± 10.0	NB
A	*Desmognathus fuscus - Quebec / New Brunswick population*	Northern Dusky Salamander - Quebec / New Brunswick population	Not At Risk			S3	1	59.9 ± 0.0	NB
A	*Sterna hirundo*	Common Tern	Not At Risk			S3B,SUM	691	8.4 ± 1.0	NB
A	*Podiceps grisegena*	Red-necked Grebe	Not At Risk			S3M,S2N	51	30.0 ± 1.0	NB
A	*Lagenorhynchus acutus*	Atlantic White-sided Dolphin	Not At Risk			S3S4	2	39.2 ± 1.0	NB
A	*Haliaeetus leucocephalus*	Bald Eagle	Not At Risk		Endangered	S4	1328	1.3 ± 0.0	NB
A	*Canis lupus*	Gray Wolf	Not At Risk		Extirpated	SX	2	65.7 ± 100.0	NB
A	*Puma concolor pop. 1*	Eastern Cougar	Data Deficient		Endangered	SNA	119	9.1 ± 1.0	NB
A	*Calidris canutus rufa*	Red Knot rufa subspecies	E,SC	Endangered	Endangered	S2M	724	28.6 ± 44.0	NB
A	*Morone saxatilis*	Striped Bass	E,SC			S3	8640	15.3 ± 0.0	NB
A	*Salmo salar*	Atlantic Salmon	E,T,SC			S2S3	1	94.7 ± 0.0	NB
A	*Thryothorus ludovicianus*	Carolina Wren				S1	10	9.2 ± 0.0	NB
A	*Salvelinus alpinus*	Arctic Char				S1	3	65.6 ± 1.0	NB
A	*Vireo flavifrons*	Yellow-throated Vireo				S1?B,S1?M	4	4.0 ± 7.0	NB
A	*Tringa melanoleuca*	Greater Yellowlegs				S1?B,S5M	2513	7.4 ± 0.0	NB
A	*Aythya americana*	Redhead				S1B,S1M	10	21.6 ± 0.0	NB
A	*Gallinula galeata*	Common Gallinule				S1B,S1M	53	7.2 ± 0.0	NB
A	*Antigone canadensis*	Sandhill Crane				S1B,S1M	24	31.6 ± 0.0	NB
A	*Bartramia longicauda*	Upland Sandpiper				S1B,S1M	56	7.9 ± 0.0	NB
A	*Phalaropus tricolor*	Wilson's Phalarope				S1B,S1M	34	14.3 ± 1.0	NB
A	*Leucophaeus atricilla*	Laughing Gull				S1B,S1M	10	9.3 ± 1.0	NB
A	*Progne subis*	Purple Martin				S1B,S1M	140	2.9 ± 7.0	NB
A	*Oxyura jamaicensis*	Ruddy Duck				S1B,S2S3M	113	7.9 ± 0.0	NB
A	*Aythya affinis*	Lesser Scaup				S1B,S4M	178	7.3 ± 0.0	NB
A	*Aythya marila*	Greater Scaup				S1B,S4M,S2N	11	32.8 ± 1.0	NB
A	*Eremophila alpestris*	Horned Lark				S1B,S4N,S5M	70	4.7 ± 0.0	NB
A	*Sterna paradisaea*	Arctic Tern				S1B,SUM	25	25.5 ± 7.0	NB
A	*Fratercula arctica*	Atlantic Puffin				S1B,SUN,SUM	3	58.2 ± 11.0	NB
A	*Chroicocephalus ridibundus*	Black-headed Gull				S1N,S2M	17	8.4 ± 0.0	NB
A	*Branta bernicla*	Brant				S1N,S2S3M	35	30.0 ± 1.0	NB
A	*Butorides virescens*	Green Heron				S1S2B,S1S2M	8	4.0 ± 7.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	*Nycticorax nycticorax*	Black-crowned Night-heron				S1S2B,S1S2M	6	4.7 ± 0.0	NB
A	*Empidonax traillii*	Willow Flycatcher				S1S2B,S1S2M	83	4.0 ± 7.0	NB
A	*Stelgidopteryx serripennis*	Northern Rough-winged Swallow				S1S2B,S1S2M	6	13.8 ± 0.0	NB
A	*Troglodytes aedon*	House Wren				S1S2B,S1S2M	12	10.7 ± 7.0	NB
A	*Rissa tridactyla*	Black-legged Kittiwake				S1S2B,S4N,S5M	4	38.0 ± 0.0	NB
A	*Calidris bairdii*	Baird's Sandpiper				S1S2M	51	19.0 ± 0.0	NB
A	*Cistothorus palustris*	Marsh Wren				S2B,S2M	82	4.0 ± 7.0	NB
A	*Mimus polyglottos*	Northern Mockingbird				S2B,S2M	143	2.9 ± 7.0	NB
A	*Toxostoma rufum*	Brown Thrasher				S2B,S2M	30	30.2 ± 7.0	NB
A	*Pooecetes gramineus*	Vesper Sparrow				S2B,S2M	128	4.7 ± 0.0	NB
A	*Mareca strepera*	Gadwall				S2B,S3M	361	4.0 ± 7.0	NB
A	*Pinicola enucleator*	Pine Grosbeak				S2B,S4S5N,S4S5M	40	10.1 ± 7.0	NB
A	*Tringa solitaria*	Solitary Sandpiper				S2B,S5M	186	4.7 ± 0.0	NB
A	*Anser caerulescens*	Snow Goose				S2M	24	9.3 ± 5.0	NB
A	*Phalacrocorax carbo*	Great Cormorant				S2N,S2M	50	7.2 ± 2.0	NB
A	*Somateria spectabilis*	King Eider				S2N,S2M	4	30.5 ± 0.0	NB
A	*Larus hyperboreus*	Glaucous Gull				S2N,S2M	94	3.6 ± 0.0	NB
A	*Asio otus*	Long-eared Owl				S2S3	26	10.7 ± 7.0	NB
A	*Picoides dorsalis*	American Three-toed Woodpecker				S2S3	15	20.5 ± 7.0	NB
A	*Spatula clypeata*	Northern Shoveler				S2S3B,S2S3M	476	4.0 ± 7.0	NB
A	*Myiarchus crinitus*	Great Crested Flycatcher				S2S3B,S2S3M	101	6.0 ± 7.0	NB
A	*Petrochelidon pyrrhonota*	Cliff Swallow				S2S3B,S2S3M	639	4.0 ± 7.0	NB
A	*Pluvialis dominica*	American Golden-Plover				S2S3M	219	28.7 ± 0.0	NB
A	*Calcarius lapponicus*	Lapland Longspur				S2S3N,SUM	43	2.7 ± 9.0	NB
A	*Cepphus grylle*	Black Guillemot				S3	67	45.1 ± 5.0	NB
A	*Loxia curvirostra*	Red Crossbill				S3	176	10.1 ± 7.0	NB
A	*Spinus pinus*	Pine Siskin				S3	458	6.0 ± 7.0	NB
A	*Salvelinus namaycush*	Lake Trout				S3	1	29.2 ± 0.0	NB
A	*Sorex maritimensis*	Maritime Shrew				S3	143	49.9 ± 1.0	NB
A	*Eptesicus fuscus*	Big Brown Bat				S3	12	5.7 ± 10.0	NB
A	*Cathartes aura*	Turkey Vulture				S3B,S3M	212	7.6 ± 0.0	NB
A	*Rallus limicola*	Virginia Rail				S3B,S3M	347	4.0 ± 7.0	NB
A	*Charadrius vociferus*	Killdeer				S3B,S3M	1007	2.5 ± 2.0	NB
A	*Tringa semipalmata*	Willet				S3B,S3M	1116	1.3 ± 0.0	NB
A	*Coccyzus erythropthalmus*	Black-billed Cuckoo				S3B,S3M	158	4.7 ± 0.0	NB
A	*Vireo gilvus*	Warbling Vireo				S3B,S3M	98	4.0 ± 7.0	NB
A	*Piranga olivacea*	Scarlet Tanager				S3B,S3M	66	4.0 ± 7.0	NB
A	*Passerina cyanea*	Indigo Bunting				S3B,S3M	62	2.4 ± 0.0	NB
A	*Molothrus ater*	Brown-headed Cowbird				S3B,S3M	309	1.3 ± 4.0	NB
A	*Icterus galbula*	Baltimore Oriole				S3B,S3M	135	4.0 ± 7.0	NB
A	*Somateria mollissima*	Common Eider				S3B,S4M,S3N	218	15.7 ± 80.0	NB
A	*Setophaga tigrina*	Cape May Warbler				S3B,S4S5M	323	2.5 ± 0.0	NB
A	*Anas acuta*	Northern Pintail				S3B,S5M	163	4.0 ± 7.0	NB
A	*Mergus serrator*	Red-breasted Merganser				S3B,S5M,S4S5N	319	11.5 ± 0.0	NB
A	*Arenaria interpres*	Ruddy Turnstone				S3M	1045	10.0 ± 0.0	NB
A	*Phalaropus fulicarius*	Red Phalarope				S3M	5	47.3 ± 0.0	NB
A	*Melanitta americana*	Black Scoter				S3M,S1S2N	260	8.7 ± 0.0	NB
A	*Bucephala albeola*	Bufflehead				S3M,S2N	129	13.4 ± 64.0	NB
A	*Calidris maritima*	Purple Sandpiper				S3M,S3N	102	15.0 ± 0.0	NB
A	*Uria lomvia*	Thick-billed Murre				S3N,S3M	2	73.3 ± 0.0	NS
A	*Synaptomys cooperi*	Southern Bog Lemming				S3S4	95	41.3 ± 1.0	NB
A	*Tyrannus tyrannus*	Eastern Kingbird				S3S4B,S3S4M	629	4.0 ± 7.0	NB
A	*Actitis macularius*	Spotted Sandpiper				S3S4B,S5M	1016	2.5 ± 2.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
A	*Gallinago delicata*	Wilson's Snipe				S3S4B,S5M	1189	4.0 ± 7.0	NB
A	*Larus delawarensis*	Ring-billed Gull				S3S4B,S5M	451	2.1 ± 0.0	NB
A	*Setophaga striata*	Blackpoll Warbler				S3S4B,S5M	77	14.0 ± 7.0	NB
A	*Pluvialis squatarola*	Black-bellied Plover				S3S4M	2051	13.8 ± 0.0	NB
A	*Calidris pusilla*	Semipalmated Sandpiper				S3S4M	2666	9.5 ± 0.0	NB
A	*Calidris melanotos*	Pectoral Sandpiper				S3S4M	475	9.5 ± 18.0	NB
A	*Calidris alba*	Sanderling				S3S4M,S1N	1569	30.0 ± 1.0	NB
A	*Morus bassanus*	Northern Gannet				SHB,S5M	183	28.6 ± 44.0	NB
I	*Cicindela marginipennis*	Cobblestone Tiger Beetle	Endangered	Endangered	Endangered	S1	94	86.9 ± 0.0	NB
I	*Bombus (Psithyrus) bohemicus*	Gypsy Cuckoo Bumble Bee	Endangered	Endangered		S1	6	18.9 ± 5.0	NB
I	*Gomphus ventricosus*	Skillet Clubtail	Endangered	Endangered	Endangered	S1S2	2	51.7 ± 0.0	NB
I	*Danaus plexippus*	Monarch	Endangered	Special Concern	Special Concern	S3B,S3M	238	1.9 ± 0.0	NB
I	*Ophiogomphus howei*	Pygmy Snaketail	Special Concern	Special Concern	Special Concern	S2	12	76.2 ± 0.0	NB
I	*Alasmidonta varicosa*	Brook Floater	Special Concern	Special Concern	Special Concern	S2	34	15.0 ± 1.0	NB
I	*Lampsilis cariosa*	Yellow Lampmussel	Special Concern	Special Concern	Special Concern	S2	25	62.2 ± 0.0	NB
I	*Bombus terricola*	Yellow-banded Bumblebee	Special Concern	Special Concern		S3?	168	23.4 ± 0.0	NB
I	*Coccinella transversoguttata richardsoni*	Transverse Lady Beetle	Special Concern			SH	31	2.0 ± 1.0	NB
I	*Appalachina sayana*	Spike-lip Crater	Not At Risk			S3?	1	78.0 ± 1.0	NB
I	*Erora laeta*	Early Hairstreak				S1	1	5.7 ± 1.0	NB
I	*Leucorrhinia patricia*	Canada Whiteface				S1	10	75.8 ± 1.0	NB
I	*Arigomphus furcifer*	Lilypad Clubtail				S1	1	89.3 ± 0.0	NB
I	*Plebejus saepiolus*	Greenish Blue				S1S2	2	24.5 ± 7.0	NB
I	*Cicindela ancocisconensis*	Appalachian Tiger Beetle				S2	2	69.2 ± 0.0	NB
I	*Satyrium calanus*	Banded Hairstreak				S2	1	97.6 ± 7.0	NB
I	*Strymon melinus*	Grey Hairstreak				S2	2	13.3 ± 2.0	NB
I	*Somatochlora brevicincta*	Quebec Emerald				S2	2	13.4 ± 0.0	NB
I	*Somatochlora tenebrosa*	Clamp-Tipped Emerald				S2	8	27.4 ± 1.0	NB
I	*Ladona exusta*	White Corporal				S2	1	63.6 ± 0.0	NB
I	*Coenagrion interrogatum*	Subarctic Bluet				S2	3	79.6 ± 1.0	NB
I	*Ischnura posita*	Fragile Forktail				S2	5	28.0 ± 0.0	NB
I	*Chrysops delicatulus*	a Horse Fly				S2S3	1	89.4 ± 1.0	NB
I	*Callophrys henrici*	Henry's Elfin				S2S3	12	7.3 ± 0.0	NB
I	*Psyrassa unicolor*	a Longhorned Beetle				S3	1	35.9 ± 0.0	NB
I	*Elaphrus americanus*	a Ground Beetle				S3	1	46.8 ± 0.0	NB
I	*Agonum crenistriatum*	a Ground Beetle				S3	1	8.2 ± 1.0	NB
I	*Agonum consimile*	a Ground Beetle				S3	1	8.2 ± 1.0	NB
I	*Lachnocrepis parallela*	a Ground Beetle				S3	1	45.8 ± 0.0	NB
I	*Dyschirius setosus*	a Ground Beetle				S3	3	45.8 ± 0.0	NB
I	*Harpalus fulvilabris*	a Ground Beetle				S3	1	46.5 ± 0.0	NB
I	*Olisthopus parmatus*	a Ground Beetle				S3	1	45.5 ± 0.0	NB
I	*Amara pallipes*	a Ground Beetle				S3	2	8.2 ± 1.0	NB
I	*Carabus maeander*	a Ground Beetle				S3	1	8.2 ± 1.0	NB
I	*Carabus serratus*	a Ground Beetle				S3	2	9.4 ± 1.0	NB
I	*Hippodamia parenthesis*	Parenthesis Lady Beetle				S3	15	3.6 ± 0.0	NB
I	*Xylotrechus undulatus*	a Longhorned Beetle				S3	2	27.8 ± 1.0	NB
I	*Calathus gregarius*	a Ground Beetle				S3	1	57.3 ± 1.0	NB
I	*Gonioctena americana*	a Leaf Beetle				S3	1	46.5 ± 0.0	NB
I	*Naemia seriata*	a Ladybird beetle				S3	9	40.7 ± 0.0	NB
I	*Beckerus appressus*	A Click Beetle				S3	1	57.1 ± 0.0	NB
I	*Saperda lateralis*	a Longhorned Beetle				S3	1	66.3 ± 0.0	NS
I	*Trachysida aspera*	a Longhorned Beetle				S3	1	50.6 ± 0.0	NB
I	*Dicerca caudata*	Tailed Jewel Borer				S3	1	56.8 ± 0.0	NB
I	*Enoclerus muttkowskii*	a Checkered Beetle				S3	2	8.6 ± 0.0	NB
I	*Hesperia sassacus*	Indian Skipper				S3	4	39.9 ± 0.0	NB
I	*Euphyes bimacula*	Two-spotted Skipper				S3	20	9.9 ± 1.0	NB
I	*Papilio brevicauda*	Short-tailed Swallowtail				S3	13	44.0 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
	bretonensis								
I	*Lycaena hyllus*	Bronze Copper				S3	164	7.1 ± 1.0	NB
I	*Lycaena dospassosi*	Salt Marsh Copper				S3	108	30.2 ± 0.0	NB
I	*Satyrium acadica*	Acadian Hairstreak				S3	17	1.6 ± 0.0	NB
I	*Callophrys polios*	Hoary Elfin				S3	15	13.4 ± 0.0	NB
I	*Plebejus idas*	Northern Blue				S3	6	72.3 ± 0.0	NS
I	*Plebejus idas empetri*	Crowberry Blue				S3	26	45.3 ± 7.0	NB
I	*Speyeria aphrodite*	Aphrodite Fritillary				S3	19	6.2 ± 0.0	NB
I	*Boloria bellona*	Meadow Fritillary				S3	10	87.5 ± 0.0	NB
I	*Boloria chariclea*	Arctic Fritillary				S3	10	38.4 ± 7.0	NB
I	*Polygonia satyrus*	Satyr Comma				S3	5	37.9 ± 5.0	NB
I	*Polygonia gracilis*	Hoary Comma				S3	4	72.4 ± 15.0	NB
I	*Nymphalis l-album*	Compton Tortoiseshell				S3	10	5.7 ± 10.0	NB
I	*Gomphus vastus*	Cobra Clubtail				S3	8	89.5 ± 0.0	NB
I	*Gomphus abbreviatus*	Spine-crowned Clubtail				S3	9	69.2 ± 0.0	NB
I	*Gomphaeschna furcillata*	Harlequin Darner				S3	7	13.6 ± 0.0	NB
I	*Dorocordulia lepida*	Petite Emerald				S3	5	37.7 ± 1.0	NB
I	*Somatochlora cingulata*	Lake Emerald				S3	4	53.5 ± 0.0	NB
I	*Somatochlora forcipata*	Forcipate Emerald				S3	9	32.0 ± 0.0	NB
I	*Williamsonia fletcheri*	Ebony Boghaunter				S3	19	9.9 ± 2.0	NB
I	*Lestes eurinus*	Amber-Winged Spreadwing				S3	35	13.3 ± 1.0	NB
I	*Enallagma geminatum*	Skimming Bluet				S3	6	77.1 ± 0.0	NB
I	*Enallagma signatum*	Orange Bluet				S3	4	44.3 ± 0.0	NB
I	*Stylurus scudderi*	Zebra Clubtail				S3	11	6.0 ± 0.0	NB
I	*Alasmidonta undulata*	Triangle Floater				S3	54	15.9 ± 1.0	NB
I	*Leptodea ochracea*	Tidewater Mucket				S3	65	44.5 ± 1.0	NB
I	*Neohelix albolabris*	Whitelip				S3	1	82.5 ± 0.0	NB
I	*Pantala hymenaea*	Spot-Winged Glider				S3B,S3M	6	28.8 ± 0.0	NB
I	*Collops vittatus*	Banded Soft-winged Flower Beetle				S3S4	1	14.5 ± 3.0	NB
I	*Hemicrepidius memnonius*	a Click Beetle				S3S4	3	35.9 ± 0.0	NB
I	*Bolitophagus corticola*	a Darkling Beetle				S3S4	1	35.9 ± 0.0	NB
I	*Satyrium liparops*	Striped Hairstreak				S3S4	33	1.9 ± 0.0	NB
I	*Satyrium liparops strigosum*	Striped Hairstreak				S3S4	4	5.3 ± 1.0	NB
I	*Cupido comyntas*	Eastern Tailed Blue				S3S4	11	41.6 ± 0.0	NB
N	*Erioderma mollissimum*	Graceful Felt Lichen	Endangered	Endangered	Endangered	SH	2	66.6 ± 1.0	NB
N	*Erioderma pedicellatum (Atlantic pop.)*	Boreal Felt Lichen - Atlantic pop.	Endangered	Endangered	Endangered	SH	2	81.9 ± 0.0	NS
N	*Peltigera hydrothyria*	Eastern Waterfan	Threatened	Threatened		S1	787	29.2 ± 0.0	NB
N	*Pannaria lurida*	Wrinkled Shingle Lichen	Threatened	Threatened		S1?	4	34.8 ± 1.0	NB
N	*Anzia colpodes*	Black-foam Lichen	Threatened	Threatened		S1S2	15	27.5 ± 0.0	NB
N	*Fuscopannaria leucosticta*	White-rimmed Shingle Lichen	Threatened			S2	66	49.0 ± 0.0	NB
N	*Pectenia plumbea*	Blue Felt Lichen	Special Concern	Special Concern	Special Concern	S1	15	78.9 ± 1.0	NS
N	*Pseudevernia cladonia*	Ghost Antler Lichen	Not At Risk			S2S3	13	58.0 ± 0.0	NB
N	*Aloina rigida*	Aloe-Like Rigid Screw Moss				S1	1	49.6 ± 0.0	NB
N	*Arrhenopterum heterostichum*	One-sided Groove Moss				S1	1	79.7 ± 0.0	NB
N	*Campylostelium saxicola*	a Moss				S1	1	82.1 ± 0.0	NB
N	*Dicranoweisia crispula*	Mountain Thatch Moss				S1	1	57.4 ± 0.0	NB
N	*Didymodon rigidulus var. gracilis*	a moss				S1	1	64.7 ± 1.0	NB
N	*Syntrichia ruralis*	a Moss				S1	1	63.9 ± 0.0	NB
N	*Zygodon viridissimus var. viridissimus*	a Moss				S1	1	80.5 ± 0.0	NB
N	*Enchylium tenax*	Soil Tarpaper Lichen				S1	2	82.7 ± 0.0	PE
N	*Sticta fuliginosa*	Peppered Moon Lichen				S1	14	81.8 ± 0.0	NS
N	*Cladonia straminea*	Reptilian Pixie-cup Lichen				S1	5	50.8 ± 1.0	NB

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N	*Coccocarpia palmicola*	Salted Shell Lichen				S1	1	50.8 ± 1.0	NB
N	*Peltigera malacea*	Veinless Pelt Lichen				S1	2	61.8 ± 1.0	NB
N	*Bryoria bicolor*	Electrified Horsehair Lichen				S1	1	61.8 ± 1.0	NB
N	*Hygrobiella laxifolia*	Lax Notchwort				S1?	1	62.5 ± 1.0	NB
N	*Bartramia ithyphylla*	Straight-leaved Apple Moss				S1?	2	58.3 ± 1.0	NB
N	*Dicranum condensatum*	Condensed Broom Moss				S1?	2	57.5 ± 0.0	NB
N	*Entodon brevisetus*	a Moss				S1?	1	52.7 ± 10.0	NB
N	*Oxyrrhynchium hians*	Light Beaked Moss				S1?	1	67.2 ± 0.0	NB
N	*Homomallium adnatum*	Adnate Hairy-gray Moss				S1?	4	29.5 ± 1.0	NB
N	*Plagiothecium latebricola*	Alder Silk Moss				S1?	3	63.8 ± 1.0	NB
N	*Rhytidium rugosum*	Wrinkle-leaved Moss				S1?	2	64.7 ± 1.0	NB
N	*Seligeria recurvata*	a Moss				S1?	3	24.6 ± 15.0	NB
N	*Rhizomnium pseudopunctatum*	Felted Leafy Moss				S1?	1	78.1 ± 0.0	NB
N	*Heterodermia squamulosa*	Scaly Fringe Lichen				S1?	75	83.0 ± 1.0	NS
N	*Cephaloziella spinigera*	Spiny Threadwort				S1S2	2	47.8 ± 0.0	NB
N	*Odontoschisma francisci*	Holt's Notchwort				S1S2	4	48.6 ± 0.0	NB
N	*Harpanthus flotovianus*	Great Mountain Flapwort				S1S2	2	50.3 ± 1.0	NB
N	*Jungermannia obovata*	Egg Flapwort				S1S2	1	60.0 ± 0.0	NB
N	*Odontoschisma sphagni*	Bog-Moss Flapwort				S1S2	1	90.4 ± 0.0	NB
N	*Pallavicinia lyellii*	Lyell's Ribbonwort				S1S2	2	52.7 ± 1.0	NB
N	*Radula tenax*	Tenacious Scalewort				S1S2	1	60.0 ± 0.0	NB
N	*Reboulia hemisphaerica*	Purple-margined Liverwort				S1S2	1	64.7 ± 0.0	NB
N	*Brachythecium acuminatum*	Acuminate Ragged Moss				S1S2	3	60.0 ± 2.0	NB
N	*Ptychostomum salinum*	Saltmarsh Bryum				S1S2	1	63.8 ± 1.0	NB
N	*Tortula obtusifolia*	a Moss				S1S2	1	98.5 ± 0.0	NB
N	*Distichium inclinatum*	Inclined Iris Moss				S1S2	5	64.7 ± 1.0	NB
N	*Ditrichum pallidum*	Pale Cow-hair Moss				S1S2	1	52.4 ± 1.0	NB
N	*Drummondia prorepens*	a Moss				S1S2	1	82.2 ± 0.0	NB
N	*Hygrohypnum bestii*	Best's Brook Moss				S1S2	5	52.0 ± 0.0	NB
N	*Seligeria brevifolia*	a Moss				S1S2	4	80.2 ± 0.0	NB
N	*Timmia norvegica*	a moss				S1S2	3	64.9 ± 0.0	NB
N	*Timmia norvegica var. excurrens*	a moss				S1S2	1	64.9 ± 0.0	NB
N	*Tortella humilis*	Small Crisp Moss				S1S2	7	55.3 ± 1.0	NB
N	*Pseudotaxiphyllum distichaceum*	a Moss				S1S2	2	32.2 ± 1.0	NB
N	*Umbilicaria vellea*	Grizzled Rocktripe Lichen				S1S2	1	64.2 ± 1.0	NB
N	*Pilophorus cereolus*	Powdered Matchstick Lichen				S1S2	1	36.2 ± 5.0	NB
N	*Peltigera scabrosa*	Greater Toad Pelt Lichen				S1S2	4	49.0 ± 1.0	NB
N	*Tritomaria scitula*	Mountain Notchwort				S1S3	1	56.2 ± 1.0	NB
N	*Amphidium mougeotii*	a Moss				S2	11	54.3 ± 0.0	NB
N	*Anomodon viticulosus*	a Moss				S2	2	36.6 ± 10.0	NB
N	*Cirriphyllum piliferum*	Hair-pointed Moss				S2	4	35.4 ± 1.0	NB
N	*Dicranella palustris*	Drooping-Leaved Fork Moss				S2	9	50.3 ± 1.0	NB
N	*Didymodon ferrugineus*	Rusty Beard Moss				S2	1	64.4 ± 0.0	NB
N	*Anomodon tristis*	a Moss				S2	9	57.2 ± 10.0	NB
N	*Hypnum pratense*	Meadow Plait Moss				S2	1	87.4 ± 0.0	PE
N	*Isopterygiopsis pulchella*	Neat Silk Moss				S2	7	55.1 ± 1.0	NB
N	*Isothecium myosuroides*	Slender Mouse-tail Moss				S2	2	94.1 ± 3.0	NS
N	*Meesia triquetra*	Three-ranked Cold Moss				S2	1	89.6 ± 100.0	NB
N	*Orthotrichum speciosum*	Showy Bristle Moss				S2	6	58.8 ± 4.0	NB
N	*Platydictya jungermannioides*	False Willow Moss				S2	4	24.6 ± 15.0	NB
N	*Pohlia elongata*	Long-necked Nodding Moss				S2	14	57.5 ± 0.0	NB
N	*Pohlia sphagnicola*	a moss				S2	1	76.6 ± 0.0	NB
N	*Seligeria calcarea*	Chalk Brittle Moss				S2	2	50.3 ± 0.0	NB
N	*Sphagnum centrale*	Central Peat Moss				S2	8	51.2 ± 1.0	NB

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N	*Sphagnum flexuosum*	Flexuous Peatmoss				S2	4	51.3 ± 10.0	NB
N	*Tayloria serrata*	Serrate Trumpet Moss				S2	7	34.6 ± 100.0	NB
N	*Tetrodontium brownianum*	Little Georgia				S2	13	57.2 ± 10.0	NB
N	*Thamnobryum alleghaniense*	a Moss				S2	25	28.8 ± 0.0	NB
N	*Ulota phyllantha*	a Moss				S2	4	64.7 ± 0.0	NB
N	*Anomobryum julaceum*	Slender Silver Moss				S2	4	64.7 ± 1.0	NB
N	*Cladonia macrophylla*	Fig-leaved Lichen				S2	3	56.7 ± 1.0	NB
N	*Leptogium milligranum*	Stretched Jellyskin Lichen				S2	21	32.8 ± 0.0	NB
N	*Nephroma laevigatum*	Mustard Kidney Lichen				S2	30	74.1 ± 0.0	NB
N	*Anacamptodon splachnoides*	a Moss				S2?	3	57.4 ± 1.0	NB
N	*Andreaea rothii*	a Moss				S2?	5	54.3 ± 0.0	NB
N	*Anomodon minor*	Blunt-leaved Anomodon Moss				S2?	1	35.9 ± 1.0	NB
N	*Ptychostomum pallescens*	Tall Clustered Bryum				S2?	1	64.1 ± 100.0	NB
N	*Dichelyma capillaceum*	Hairlike Dichelyma Moss				S2?	1	52.5 ± 3.0	NB
N	*Hygrohypnum montanum*	a Moss				S2?	2	53.6 ± 1.0	NB
N	*Schistostega pennata*	Luminous Moss				S2?	1	87.2 ± 100.0	NB
N	*Seligeria diversifolia*	a Moss				S2?	2	91.6 ± 0.0	NB
N	*Sphagnum angermanicum*	a Peatmoss				S2?	2	52.2 ± 10.0	NB
N	*Trichodon cylindricus*	Cylindric Hairy-teeth Moss				S2?	2	24.6 ± 15.0	NB
N	*Plagiomnium rostratum*	Long-beaked Leafy Moss				S2?	5	59.3 ± 0.0	NB
N	*Ramalina labiosorediata*	Chalky Ramalina Lichen				S2?	1	62.0 ± 1.0	NB
N	*Collema leptaleum*	Crumpled Bat's Wing Lichen				S2?	8	79.6 ± 0.0	NB
N	*Imshaugia placorodia*	Eyed Starburst Lichen				S2?	1	83.1 ± 0.0	PE
N	*Nephroma arcticum*	Arctic Kidney Lichen				S2?	2	59.9 ± 1.0	NB
N	*Ptychostomum cernuum*	Swamp Bryum				S2S3	1	64.7 ± 0.0	NB
N	*Calliergonella cuspidata*	Common Large Wetland Moss				S2S3	4	38.4 ± 5.0	NB
N	*Drepanocladus polygamus*	Polygamous Hook Moss				S2S3	2	56.7 ± 0.0	NB
N	*Palustriella falcata*	a Moss				S2S3	2	61.6 ± 0.0	NB
N	*Didymodon rigidulus*	Rigid Screw Moss				S2S3	8	60.0 ± 2.0	NB
N	*Ephemerum serratum*	a Moss				S2S3	3	62.7 ± 0.0	NB
N	*Orthotrichum elegans*	Showy Bristle Moss				S2S3	2	35.8 ± 0.0	NB
N	*Pohlia proligera*	Cottony Nodding Moss				S2S3	13	24.6 ± 15.0	NB
N	*Codriophorus fascicularis*	Clustered Rock Moss				S2S3	3	57.4 ± 0.0	NB
N	*Racomitrium affine*	a Moss				S2S3	1	51.4 ± 1.0	NB
N	*Saelania glaucescens*	Blue Dew Moss				S2S3	2	57.4 ± 0.0	NB
N	*Sphagnum subfulvum*	a Peatmoss				S2S3	3	75.8 ± 0.0	NB
N	*Taxiphyllum deplanatum*	Imbricate Yew-leaved Moss				S2S3	2	60.0 ± 1.0	NB
N	*Zygodon viridissimus*	a Moss				S2S3	3	60.0 ± 1.0	NB
N	*Schistidium agassizii*	Elf Bloom Moss				S2S3	3	51.4 ± 1.0	NB
N	*Loeskeobryum brevirostre*	a Moss				S2S3	11	54.3 ± 0.0	NB
N	*Cyrtomnium hymenophylloides*	Short-pointed Lantern Moss				S2S3	7	50.5 ± 0.0	NB
N	*Cetrariella delisei*	Snowbed Icelandmoss Lichen				S2S3	2	38.1 ± 0.0	NB
N	*Cladonia acuminata*	Scantily Clad Pixie Lichen				S2S3	2	64.2 ± 1.0	NB
N	*Cladonia ramulosa*	Bran Lichen				S2S3	4	58.8 ± 1.0	NB
N	*Cladonia sulphurina*	Greater Sulphur-cup Lichen				S2S3	5	48.9 ± 1.0	NB
N	*Dendriscocaulon umhausense*	a lichen				S2S3	1	82.5 ± 0.0	NB
N	*Parmeliopsis ambigua*	Green Starburst Lichen				S2S3	1	67.2 ± 1.0	NB
N	*Sphaerophorus globosus*	Northern Coral Lichen				S2S3	13	50.1 ± 0.0	NB
N	*Hypnum curvifolium*	Curved-leaved Plait Moss				S3	8	54.3 ± 0.0	NB
N	*Tortella fragilis*	Fragile Twisted Moss				S3	1	64.9 ± 0.0	NB
N	*Schistidium maritimum*	a Moss				S3	6	61.3 ± 0.0	NB
N	*Hymenostylium recurvirostre*	Hymenostylium Moss				S3	6	65.2 ± 1.0	NB
N	*Collema nigrescens*	Blistered Tarpaper Lichen				S3	6	82.1 ± 3.0	NS

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
N	*Solorina saccata*	Woodland Owl Lichen				S3	6	64.2 ± 1.0	NB
N	*Ahtiana aurescens*	Eastern Candlewax Lichen				S3	3	77.2 ± 0.0	NB
N	*Normandina pulchella*	Rimmed Elf-ear Lichen				S3	20	58.8 ± 1.0	NB
N	*Cladonia farinacea*	Farinose Pixie Lichen				S3	5	58.0 ± 1.0	NB
N	*Hypotrachyna catawbiensis*	Powder-tipped Antler Lichen				S3	17	63.7 ± 0.0	NB
N	*Scytinium lichenoides*	Tattered Jellyskin Lichen				S3	6	64.2 ± 1.0	NB
N	*Nephroma bellum*	Naked Kidney Lichen				S3	5	56.5 ± 1.0	NB
N	*Peltigera degenii*	Lustrous Pelt Lichen				S3	3	58.5 ± 1.0	NB
N	*Usnea strigosa*	Bushy Beard Lichen				S3	34	24.7 ± 0.0	NB
N	*Stereocaulon condensatum*	Granular Soil Foam Lichen				S3	8	45.1 ± 0.0	NB
N	*Leptogium laceroides*	Short-bearded Jellyskin Lichen				S3	14	51.5 ± 1.0	NB
N	*Peltigera membranacea*	Membranous Pelt Lichen				S3	25	28.5 ± 0.0	NB
N	*Cladonia botrytes*	Wooden Soldiers Lichen				S3	3	39.3 ± 0.0	NB
N	*Cladonia carneola*	Crowned Pixie-cup Lichen				S3	2	58.2 ± 0.0	NB
N	*Cladonia deformis*	Lesser Sulphur-cup Lichen				S3	9	54.8 ± 0.0	NB
N	*Aulacomnium androgynum*	Little Groove Moss				S3?	10	24.6 ± 15.0	NB
N	*Ptychostomum inclinatum*	Blunt-tooth Thread Moss				S3?	1	95.7 ± 3.0	NS
N	*Dicranella rufescens*	Red Forklet Moss				S3?	1	64.9 ± 0.0	NB
N	*Rhytidiadelphus loreus*	Lanky Moss				S3?	3	64.3 ± 0.0	NB
N	*Sphagnum lescurii*	a Peatmoss				S3?	8	50.6 ± 1.0	NB
N	*Scytinium subtile*	Appressed Jellyskin Lichen				S3?	12	68.6 ± 0.0	PE
N	*Rostania occultata*	Crusted Tarpaper Lichen				S3?	4	79.5 ± 3.0	NS
N	*Stereocaulon subcoralloides*	Coralloid Foam Lichen				S3?	1	62.0 ± 1.0	NB
N	*Barbula convoluta*	Lesser Bird's-claw Beard Moss				S3S4	1	46.6 ± 15.0	NB
N	*Brachytheciastrum velutinum*	Velvet Ragged Moss				S3S4	2	57.0 ± 1.0	NB
N	*Calliergon giganteum*	Giant Spear Moss				S3S4	1	84.4 ± 0.0	PE
N	*Dicranella cerviculata*	a Moss				S3S4	3	54.0 ± 2.0	NB
N	*Dicranella varia*	a Moss				S3S4	2	77.1 ± 0.0	PE
N	*Dicranum majus*	Greater Broom Moss				S3S4	22	50.5 ± 0.0	NB
N	*Dicranum leioneuron*	a Dicranum Moss				S3S4	2	31.8 ± 0.0	NB
N	*Encalypta ciliata*	Fringed Extinguisher Moss				S3S4	2	64.4 ± 0.0	NB
N	*Fissidens bryoides*	Lesser Pocket Moss				S3S4	4	53.9 ± 5.0	NB
N	*Elodium blandowii*	Blandow's Bog Moss				S3S4	1	84.3 ± 0.0	PE
N	*Heterocladium dimorphum*	Dimorphous Tangle Moss				S3S4	6	35.8 ± 0.0	NB
N	*Isopterygiopsis muelleriana*	a Moss				S3S4	19	50.5 ± 0.0	NB
N	*Myurella julacea*	Small Mouse-tail Moss				S3S4	2	64.9 ± 0.0	NB
N	*Physcomitrium pyriforme*	Pear-shaped Urn Moss				S3S4	3	42.9 ± 0.0	NB
N	*Pogonatum dentatum*	Mountain Hair Moss				S3S4	4	62.8 ± 0.0	NS
N	*Sphagnum compactum*	Compact Peat Moss				S3S4	6	42.3 ± 0.0	NB
N	*Sphagnum quinquefarium*	Five-ranked Peat Moss				S3S4	2	35.8 ± 0.0	NB
N	*Sphagnum torreyanum*	a Peatmoss				S3S4	2	63.8 ± 0.0	NB
N	*Sphagnum austinii*	Austin's Peat Moss				S3S4	1	58.7 ± 0.0	NS
N	*Sphagnum contortum*	Twisted Peat Moss				S3S4	1	63.8 ± 0.0	NB
N	*Tetraphis geniculata*	Geniculate Four-tooth Moss				S3S4	14	46.6 ± 15.0	NB
N	*Tetraplodon angustatus*	Toothed-leaved Nitrogen Moss				S3S4	2	79.8 ± 0.0	NB
N	*Weissia controversa*	Green-Cushioned Weissia				S3S4	1	65.2 ± 1.0	NB
N	*Abietinella abietina*	Wiry Fern Moss				S3S4	1	64.9 ± 0.0	NB
N	*Trichostomum tenuirostre*	Acid-Soil Moss				S3S4	4	57.4 ± 0.0	NB
N	*Rauiella scita*	Smaller Fern Moss				S3S4	1	74.6 ± 0.0	NB
N	*Pannaria rubiginosa*	Brown-eyed Shingle Lichen				S3S4	21	64.5 ± 1.0	NB
N	*Pseudocyphellaria holarctica*	Yellow Specklebelly Lichen				S3S4	87	19.3 ± 0.0	NB
N	*Ramalina thrausta*	Angelhair Ramalina Lichen				S3S4	13	49.0 ± 1.0	NB
N	*Hypogymnia vittata*	Slender Monk's Hood Lichen				S3S4	28	49.0 ± 1.0	NB
N	*Scytinium teretiusculum*	Curly Jellyskin Lichen				S3S4	11	76.0 ± 0.0	PE
N	*Montanelia panniformis*	Shingled Camouflage Lichen				S3S4	5	51.0 ± 1.0	NB

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N	*Cladonia floerkeana*	Gritty British Soldiers Lichen				S3S4	4	57.7 ± 1.0	NB
N	*Vahliella leucophaea*	Shelter Shingle Lichen				S3S4	18	28.8 ± 0.0	NB
N	*Xylopsora friesii*	a Lichen				S3S4	1	64.2 ± 1.0	NB
N	*Nephroma parile*	Powdery Kidney Lichen				S3S4	16	18.3 ± 0.0	NB
N	*Protopannaria pezizoides*	Brown-gray Moss-shingle Lichen				S3S4	26	28.0 ± 0.0	NB
N	*Usnea subrubicunda*	Reddish Beard Lichen				S3S4	2	80.0 ± 3.0	NS
N	*Stereocaulon paschale*	Easter Foam Lichen				S3S4	2	46.1 ± 1.0	NB
N	*Pannaria conoplea*	Mealy-rimmed Shingle Lichen				S3S4	39	52.6 ± 0.0	NB
N	*Physcia tenella*	Fringed Rosette Lichen				S3S4	6	58.9 ± 0.0	NB
N	*Anaptychia palmulata*	Shaggy Fringed Lichen				S3S4	72	40.2 ± 0.0	NB
N	*Peltigera neopolydactyla*	Undulating Pelt Lichen				S3S4	10	50.8 ± 1.0	NB
N	*Cladonia cariosa*	Lesser Ribbed Pixie Lichen				S3S4	4	45.4 ± 0.0	NB
N	*Hypocenomyce scalaris*	Common Clam Lichen				S3S4	1	62.0 ± 1.0	NB
N	*Dermatocarpon luridum*	Brookside Stippleback Lichen				S3S4	128	8.3 ± 0.0	NB
N	*Leucodon brachypus*	a Moss				SH	13	53.0 ± 1.0	NB
N	*Splachnum luteum*	Yellow Collar Moss				SH	1	64.1 ± 100.0	NB
N	*Thelia hirtella*	a Moss				SH	1	89.6 ± 100.0	NB
N	*Cyrto-hypnum minutulum*	Tiny Cedar Moss				SH	3	58.1 ± 10.0	NB
P	*Juglans cinerea*	Butternut	Endangered	Endangered	Endangered	S1	63	35.3 ± 1.0	NB
P	*Symphyotrichum laurentianum*	Gulf of St Lawrence Aster	Threatened	Threatened	Endangered	S1	42	72.1 ± 0.0	NB
P	*Fraxinus nigra*	Black Ash	Threatened			S4S5	339	2.1 ± 0.0	NB
P	*Isoetes prototypus*	Prototype Quillwort	Special Concern	Special Concern	Endangered	S2	3	98.5 ± 0.0	NS
P	*Lechea maritima var. subcylindrica*	Beach Pinweed	Special Concern	Special Concern	Special Concern	S2	928	43.2 ± 0.0	NB
P	*Symphyotrichum subulatum (Bathurst pop)*	Bathurst Aster - Bathurst pop.	Not At Risk		Endangered	S2	21	56.4 ± 0.0	NB
P	*Cryptotaenia canadensis*	Canada Honewort				S1	2	66.0 ± 1.0	NB
P	*Sanicula trifoliata*	Large-Fruited Sanicle				S1	1	98.6 ± 5.0	NB
P	*Antennaria parlinii ssp. fallax*	Parlin's Pussytoes				S1	5	96.7 ± 1.0	NB
P	*Antennaria howellii ssp. petaloidea*	Pussy-Toes				S1	1	99.2 ± 5.0	PE
P	*Bidens discoidea*	Swamp Beggarticks				S1	1	78.8 ± 0.0	NB
P	*Pseudognaphalium obtusifolium*	Eastern Cudweed				S1	28	47.5 ± 5.0	NB
P	*Hieracium paniculatum*	Panicled Hawkweed				S1	2	93.0 ± 0.0	NB
P	*Hieracium robinsonii*	Robinson's Hawkweed				S1	12	51.5 ± 0.0	NB
P	*Solidago multiradiata*	Multi-rayed Goldenrod				S1	19	31.9 ± 0.0	NB
P	*Symphyotrichum subulatum (non-Bathurst pop)*	Annual Saltmarsh Aster				S1	12	81.0 ± 0.0	NB
P	*Betula michauxii*	Michaux's Dwarf Birch				S1	3	96.4 ± 0.0	NB
P	*Barbarea orthoceras*	American Yellow Rocket				S1	1	74.6 ± 1.0	NB
P	*Cardamine parviflora*	Small-flowered Bittercress				S1	6	92.2 ± 0.0	NS
P	*Draba arabisans*	Rock Whitlow-Grass				S1	30	58.3 ± 0.0	NB
P	*Draba glabella*	Rock Whitlow-Grass				S1	7	64.6 ± 0.0	NB
P	*Stellaria crassifolia*	Fleshy Stitchwort				S1	3	29.2 ± 5.0	NB
P	*Chenopodiastrum simplex*	Maple-leaved Goosefoot				S1	6	31.3 ± 5.0	NB
P	*Blitum capitatum*	Strawberry-Blite				S1	2	91.3 ± 1.0	NB
P	*Suaeda rolandii*	Roland's Sea-Blite				S1	13	26.9 ± 1.0	NB
P	*Hypericum virginicum*	Virginia St. John's-wort				S1	2	61.8 ± 0.0	NS
P	*Corema conradii*	Broom Crowberry				S1	19	97.3 ± 0.0	PE
P	*Vaccinium boreale*	Northern Blueberry				S1	5	41.9 ± 1.0	NB
P	*Vaccinium corymbosum*	Highbush Blueberry				S1	1	61.4 ± 0.0	NS
P	*Euphorbia polygonifolia*	Seaside Spurge				S1	15	74.4 ± 10.0	NB
P	*Lespedeza capitata*	Round-headed Bush-clover				S1	11	89.7 ± 0.0	NB

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P	*Proserpinaca pectinata*	Comb-leaved Mermaidweed				S1	2	79.2 ± 5.0	NS
P	*Polygonum douglasii*	Douglas Knotweed				S1	1	63.9 ± 0.0	NB
P	*Lysimachia quadrifolia*	Whorled Yellow Loosestrife				S1	4	92.2 ± 0.0	NB
P	*Primula laurentiana*	Laurentian Primrose				S1	39	57.8 ± 3.0	NB
P	*Amelanchier fernaldii*	Fernald's Serviceberry				S1	2	26.6 ± 1.0	NB
P	*Crataegus jonesiae*	Jones' Hawthorn				S1	1	68.1 ± 1.0	NB
P	*Dryas integrifolia*	Entire-leaved Mountain Avens				S1	15	31.8 ± 3.0	NB
P	*Potentilla canadensis*	Canada Cinquefoil				S1	1	78.3 ± 0.0	NB
P	*Rubus flagellaris*	Northern Dewberry				S1	3	48.5 ± 1.0	NB
P	*Geum fragarioides*	Barren Strawberry				S1	1	48.7 ± 1.0	NB
P	*Salix myrtillifolia*	Blueberry Willow				S1	25	32.5 ± 0.0	NB
P	*Saxifraga paniculata ssp. laestadii*	Laestadius' Saxifrage				S1	41	61.8 ± 0.0	NB
P	*Agalinis purpurea var. parviflora*	Small-flowered Purple False Foxglove				S1	58	29.7 ± 0.0	NB
P	*Carex annectens*	Yellow-Fruited Sedge				S1	3	37.0 ± 0.0	NB
P	*Carex atlantica ssp. atlantica*	Atlantic Sedge				S1	8	53.1 ± 0.0	NB
P	*Carex backii*	Rocky Mountain Sedge				S1	3	35.7 ± 0.0	NB
P	*Carex merritt-fernaldii*	Merritt Fernald's Sedge				S1	1	36.2 ± 0.0	NB
P	*Carex scirpoidea*	Scirpuslike Sedge				S1	6	68.1 ± 0.0	NB
P	*Carex sterilis*	Sterile Sedge				S1	1	35.4 ± 2.0	NB
P	*Carex grisea*	Inflated Narrow-leaved Sedge				S1	12	67.1 ± 5.0	NB
P	*Cyperus lupulinus ssp. macilentus*	Hop Flatsedge				S1	18	91.4 ± 0.0	NB
P	*Scirpus pendulus*	Hanging Bulrush				S1	9	35.8 ± 0.0	NB
P	*Sisyrinchium angustifolium*	Narrow-leaved Blue-eyed-grass				S1	2	52.8 ± 0.0	NB
P	*Juncus greenei*	Greene's Rush				S1	9	50.9 ± 10.0	NB
P	*Juncus stygius ssp. americanus*	Moor Rush				S1	17	50.9 ± 10.0	NB
P	*Goodyera pubescens*	Downy Rattlesnake-Plantain				S1	12	30.6 ± 5.0	NB
P	*Malaxis monophyllos var. brachypoda*	North American White Adder's-mouth				S1	3	85.9 ± 0.0	PE
P	*Malaxis monophyllos*	White Adder's-mouth				S1	1	28.7 ± 0.0	NB
P	*Platanthera flava*	Southern Rein-Orchid				S1	1	28.7 ± 0.0	NB
P	*Platanthera macrophylla*	Large Round-Leaved Orchid				S1	12	35.8 ± 0.0	NB
P	*Bromus pubescens*	Hairy Wood Brome Grass				S1	1	76.0 ± 0.0	NB
P	*Calamagrostis stricta ssp. inexpansa*	Slim-stemmed Reed Grass				S1	3	51.6 ± 1.0	NB
P	*Cinna arundinacea*	Sweet Wood Reed Grass				S1	3	92.9 ± 1.0	NB
P	*Danthonia compressa*	Flattened Oat Grass				S1	18	38.9 ± 0.0	NB
P	*Festuca subverticillata*	Nodding Fescue				S1	6	85.0 ± 0.0	NS
P	*Potamogeton friesii*	Fries' Pondweed				S1	7	45.6 ± 0.0	NB
P	*Potamogeton nodosus*	Long-leaved Pondweed				S1	1	95.1 ± 0.0	NB
P	*Potamogeton strictifolius*	Straight-leaved Pondweed				S1	1	97.7 ± 2.0	NB
P	*Cystopteris laurentiana*	Laurentian Bladder Fern				S1	1	66.8 ± 1.0	NB
P	*Dryopteris filix-mas ssp. brittonii*	Britton's Male Fern				S1	2	28.9 ± 1.0	NB
P	*Huperzia selago*	Northern Firmoss				S1	1	97.1 ± 1.0	NS
P	*Schizaea pusilla*	Little Curlygrass Fern				S1	9	57.5 ± 0.0	NB
P	*Bidens heterodoxa*	Connecticut Beggar-Ticks				S1?	2	85.7 ± 0.0	NB
P	*Cuscuta campestris*	Field Dodder				S1?	3	91.5 ± 5.0	NB
P	*Polygonum aviculare ssp. neglectum*	Narrow-leaved Knotweed				S1?	4	36.9 ± 0.0	NB
P	*Carex laxiflora*	Loose-Flowered Sedge				S1?	1	97.0 ± 7.0	NS
P	*Selaginella rupestris*	Rock Spikemoss				S1S2	9	60.6 ± 1.0	NB

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P	*Coryphopteris simulata*	Bog Fern				S1S2	17	35.8 ± 0.0	NB
P	*Cuscuta cephalanthi*	Buttonbush Dodder				S1S3	6	30.2 ± 0.0	NB
P	*Eriophorum russeolum ssp. albidum*	Smooth-fruited Russet Cottongrass				S1S3	13	15.0 ± 0.0	NB
P	*Spiranthes arcisepala*	Appalachian Ladies'-tresses				S1S3	7	44.6 ± 0.0	NB
P	*Spiranthes incurva*	Sphinx Ladies'-tresses				S1S3	1	7.2 ± 0.0	NB
P	*Neottia bifolia*	Southern Twayblade			Endangered	S2	50	14.2 ± 0.0	NB
P	*Osmorhiza longistylis*	Smooth Sweet Cicely				S2	5	77.0 ± 1.0	NS
P	*Ionactis linariifolia*	Flax-leaved Aster				S2	26	70.5 ± 5.0	NB
P	*Symphyotrichum racemosum*	Small White Aster				S2	4	78.6 ± 0.0	NB
P	*Symphyotrichum subulatum*	Annual Saltmarsh Aster				S2	10	99.9 ± 0.0	NB
P	*Pseudognaphalium macounii*	Macoun's Cudweed				S2	42	30.6 ± 5.0	NB
P	*Impatiens pallida*	Pale Jewelweed				S2	9	67.8 ± 0.0	NB
P	*Alnus serrulata*	Smooth Alder				S2	1	98.1 ± 0.0	NB
P	*Boechera stricta*	Drummond's Rockcress				S2	17	35.5 ± 0.0	NB
P	*Sagina nodosa*	Knotted Pearlwort				S2	2	96.7 ± 0.0	PE
P	*Sagina nodosa ssp. borealis*	Knotted Pearlwort				S2	2	96.5 ± 0.0	PE
P	*Stellaria longifolia*	Long-leaved Starwort				S2	10	36.5 ± 2.0	NB
P	*Atriplex glabriuscula var. franktonii*	Frankton's Saltbush				S2	4	36.4 ± 0.0	NB
P	*Oxybasis rubra*	Red Goosefoot				S2	11	34.0 ± 0.0	NB
P	*Hypericum x dissimulatum*	Disguised St. John's-wort				S2	3	62.0 ± 1.0	NB
P	*Triosteum aurantiacum*	Orange-fruited Tinker's Weed				S2	7	22.8 ± 0.0	NB
P	*Viburnum lentago*	Nannyberry				S2	1	56.7 ± 0.0	NB
P	*Viburnum recognitum*	Northern Arrow-Wood				S2	1	37.9 ± 0.0	NB
P	*Shepherdia canadensis*	Soapberry				S2	42	28.1 ± 0.0	NB
P	*Oxytropis campestris var. johannensis*	Field Locoweed				S2	27	87.3 ± 0.0	NB
P	*Quercus macrocarpa*	Bur Oak				S2	37	65.4 ± 0.0	NB
P	*Gentiana linearis*	Narrow-Leaved Gentian				S2	1	47.6 ± 50.0	NB
P	*Myriophyllum humile*	Low Water Milfoil				S2	1	54.1 ± 1.0	NB
P	*Proserpinaca palustris*	Marsh Mermaidweed				S2	1	80.6 ± 0.0	NB
P	*Hedeoma pulegioides*	American False Pennyroyal				S2	3	64.2 ± 0.0	NB
P	*Nuphar x rubrodisca*	Red-disk Yellow Pond-lily				S2	16	8.9 ± 0.0	NB
P	*Aphyllon uniflorum*	One-flowered Broomrape				S2	1	99.4 ± 1.0	NB
P	*Polygaloides paucifolia*	Fringed Milkwort				S2	8	59.0 ± 1.0	NB
P	*Persicaria amphibia var. emersa*	Long-root Smartweed				S2	15	78.3 ± 0.0	NB
P	*Persicaria careyi*	Carey's Smartweed				S2	11	36.5 ± 2.0	NB
P	*Anemone parviflora*	Small-flowered Anemone				S2	9	32.8 ± 0.0	NB
P	*Hepatica americana*	Round-lobed Hepatica				S2	1	81.2 ± 1.0	NB
P	*Ranunculus flabellaris*	Yellow Water Buttercup				S2	1	19.7 ± 0.0	NB
P	*Crataegus scabrida*	Rough Hawthorn				S2	7	51.3 ± 1.0	NB
P	*Crataegus succulenta*	Fleshy Hawthorn				S2	2	78.3 ± 0.0	PE
P	*Cephalanthus occidentalis*	Common Buttonbush				S2	1	99.0 ± 0.0	NB
P	*Agalinis neoscotica*	Nova Scotia Agalinis				S2	1	57.7 ± 0.0	NS
P	*Euphrasia randii*	Rand's Eyebright				S2	7	66.1 ± 0.0	NB
P	*Scrophularia lanceolata*	Lance-leaved Figwort				S2	2	64.0 ± 1.0	NB
P	*Dirca palustris*	Eastern Leatherwood				S2	1	23.3 ± 1.0	NB
P	*Sagittaria montevidensis ssp. spongiosa*	Spongy Arrowhead				S2	86	45.6 ± 0.0	NB
P	*Symplocarpus foetidus*	Eastern Skunk Cabbage				S2	128	55.7 ± 18.0	NB
P	*Carex comosa*	Bearded Sedge				S2	7	51.6 ± 0.0	NB
P	*Carex granularis*	Limestone Meadow Sedge				S2	11	37.0 ± 0.0	NB
P	*Carex gynocrates*	Northern Bog Sedge				S2	1	64.0 ± 1.0	NB
P	*Carex hirtifolia*	Pubescent Sedge				S2	8	22.9 ± 0.0	NB

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P	*Carex livida*	Livid Sedge				S2	9	57.9 ± 0.0	NS
P	*Carex plantaginea*	Plantain-Leaved Sedge				S2	3	65.6 ± 0.0	NB
P	*Carex rostrata*	Narrow-leaved Beaked Sedge				S2	3	55.4 ± 0.0	NB
P	*Carex sprengelii*	Longbeak Sedge				S2	2	70.5 ± 0.0	NB
P	*Carex tenuiflora*	Sparse-Flowered Sedge				S2	9	33.7 ± 10.0	NB
P	*Carex albicans var. emmonsii*	White-tinged Sedge				S2	14	11.2 ± 0.0	NB
P	*Cyperus squarrosus*	Awned Flatsedge				S2	16	86.8 ± 0.0	NB
P	*Eriophorum gracile*	Slender Cottongrass				S2	51	32.2 ± 0.0	NB
P	*Blysmopsis rufa*	Red Bulrush				S2	32	64.1 ± 0.0	NB
P	*Juncus vaseyi*	Vasey Rush				S2	12	8.4 ± 0.0	NB
P	*Allium tricoccum*	Wild Leek				S2	18	26.3 ± 0.0	NB
P	*Galearis rotundifolia*	Small Round-leaved Orchid				S2	3	53.4 ± 0.0	NB
P	*Calypso bulbosa var. americana*	Calypso				S2	3	30.4 ± 5.0	NB
P	*Coeloglossum viride*	Long-bracted Frog Orchid				S2	7	25.7 ± 10.0	NB
P	*Cypripedium parviflorum var. makasin*	Small Yellow Lady's-Slipper				S2	2	23.6 ± 0.0	NB
P	*Goodyera oblongifolia*	Menzies' Rattlesnake-plantain				S2	2	84.8 ± 0.0	PE
P	*Spiranthes lucida*	Shining Ladies'-Tresses				S2	6	31.3 ± 1.0	NB
P	*Spiranthes ochroleuca*	Yellow Ladies'-tresses				S2	16	3.6 ± 0.0	NB
P	*Dichanthelium linearifolium*	Narrow-leaved Panic Grass				S2	1	75.5 ± 0.0	NB
P	*Elymus canadensis*	Canada Wild Rye				S2	1	3.7 ± 1.0	NB
P	*Piptatheropsis canadensis*	Canada Ricegrass				S2	4	13.1 ± 10.0	NB
P	*Puccinellia phryganodes ssp. neoarctica*	Creeping Alkali Grass				S2	2	46.4 ± 1.0	NB
P	*Poa glauca*	Glaucous Blue Grass				S2	23	60.2 ± 0.0	NB
P	*Puccinellia nutkaensis*	Alaska Alkaligrass				S2	2	35.3 ± 1.0	NB
P	*Schizachyrium scoparium*	Little Bluestem				S2	30	79.3 ± 0.0	NB
P	*Zizania aquatica var. aquatica*	Eastern Wild Rice				S2	7	47.8 ± 0.0	NB
P	*Piptatheropsis pungens*	Slender Ricegrass				S2	5	35.4 ± 0.0	NB
P	*Potamogeton vaseyi*	Vasey's Pondweed				S2	1	72.3 ± 0.0	PE
P	*Asplenium trichomanes*	Maidenhair Spleenwort				S2	12	35.9 ± 1.0	NB
P	*Anchistea virginica*	Virginia chain fern				S2	28	60.9 ± 0.0	NS
P	*Woodsia alpina*	Alpine Cliff Fern				S2	5	51.5 ± 0.0	NB
P	*Diphasiastrum sitchense*	Sitka Ground-cedar				S2	4	37.1 ± 0.0	NB
P	*Selaginella selaginoides*	Low Spikemoss				S2	8	60.2 ± 0.0	NB
P	*Toxicodendron radicans var. radicans*	Eastern Poison Ivy				S2?	12	43.7 ± 0.0	NB
P	*Symphyotrichum novi-belgii var. crenifolium*	New York Aster				S2?	5	54.6 ± 1.0	NB
P	*Humulus lupulus var. lupuloides*	Common Hop				S2?	2	52.2 ± 5.0	NB
P	*Crataegus macrosperma*	Big-Fruit Hawthorn				S2?	2	14.2 ± 0.0	NB
P	*Rubus x recurvicaulis*	arching dewberry				S2?	6	28.5 ± 1.0	NB
P	*Galium obtusum*	Blunt-leaved Bedstraw				S2?	10	27.9 ± 10.0	NB
P	*Salix myricoides*	Bayberry Willow				S2?	2	32.4 ± 1.0	NB
P	*Carex vacillans*	Estuarine Sedge				S2?	4	53.5 ± 7.0	NB
P	*Platanthera huronensis*	Fragrant Green Orchid				S2?	4	58.1 ± 0.0	NB
P	*Solidago altissima*	Tall Goldenrod				S2S3	3	46.8 ± 0.0	NB
P	*Callitriche hermaphroditica*	Northern Water-starwort				S2S3	7	46.3 ± 0.0	NB
P	*Elatine americana*	American Waterwort				S2S3	7	47.1 ± 0.0	NB
P	*Bartonia paniculata*	Branched Bartonia				S2S3	2	64.7 ± 0.0	NS
P	*Bartonia paniculata ssp. iodandra*	Branched Bartonia				S2S3	24	53.7 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Geranium robertianum*	Herb Robert				S2S3	90	50.6 ± 0.0	NB
P	*Myriophyllum quitense*	Andean Water Milfoil				S2S3	5	97.7 ± 0.0	NB
P	*Epilobium coloratum*	Purple-veined Willowherb				S2S3	19	42.9 ± 0.0	NB
P	*Rumex persicarioides*	Peach-leaved Dock				S2S3	3	7.6 ± 1.0	NB
P	*Rumex pallidus*	Seabeach Dock				S2S3	7	47.0 ± 0.0	NB
P	*Rubus pensilvanicus*	Pennsylvania Blackberry				S2S3	30	20.8 ± 0.0	NB
P	*Galium labradoricum*	Labrador Bedstraw				S2S3	14	22.9 ± 0.0	NB
P	*Carex adusta*	Lesser Brown Sedge				S2S3	14	7.0 ± 10.0	NB
P	*Scirpus atrovirens*	Dark-green Bulrush				S2S3	1	73.6 ± 0.0	PE
P	*Corallorhiza maculata var. occidentalis*	Spotted Coralroot				S2S3	14	9.9 ± 10.0	NB
P	*Corallorhiza maculata var. maculata*	Spotted Coralroot				S2S3	4	55.8 ± 0.0	NB
P	*Neottia auriculata*	Auricled Twayblade				S2S3	1	61.6 ± 0.0	NB
P	*Spiranthes cernua*	Nodding Ladies'-Tresses				S2S3	21	36.1 ± 0.0	NB
P	*Eragrostis pectinacea*	Tufted Love Grass				S2S3	6	6.8 ± 1.0	NB
P	*Stuckenia filiformis*	Thread-leaved Pondweed				S2S3	2	34.7 ± 1.0	NB
P	*Potamogeton praelongus*	White-stemmed Pondweed				S2S3	11	57.6 ± 0.0	NS
P	*Ophioglossum pusillum*	Northern Adder's-tongue				S2S3	5	56.4 ± 1.0	NB
P	*Panax trifolius*	Dwarf Ginseng				S3	35	12.5 ± 0.0	NB
P	*Artemisia campestris ssp. caudata*	Tall Wormwood				S3	83	53.8 ± 0.0	NB
P	*Artemisia campestris*	Field Wormwood				S3	10	66.1 ± 0.0	NB
P	*Bidens hyperborea*	Estuary Beggarticks				S3	45	27.9 ± 1.0	NB
P	*Erigeron hyssopifolius*	Hyssop-leaved Fleabane				S3	98	29.0 ± 1.0	NB
P	*Nabalus racemosus*	Glaucous Rattlesnakeroot				S3	26	79.0 ± 0.0	NB
P	*Tanacetum bipinnatum ssp. huronense*	Lake Huron Tansy				S3	11	99.2 ± 0.0	NB
P	*Symphyotrichum boreale*	Boreal Aster				S3	12	22.7 ± 0.0	NB
P	*Betula pumila*	Bog Birch				S3	121	14.2 ± 0.0	NB
P	*Turritis glabra*	Tower Mustard				S3	1	74.1 ± 0.0	NB
P	*Arabis pycnocarpa*	Cream-flowered Rockcress				S3	12	29.4 ± 0.0	NB
P	*Cardamine maxima*	Large Toothwort				S3	30	74.2 ± 0.0	NB
P	*Subularia aquatica ssp. americana*	American Water Awlwort				S3	2	54.9 ± 0.0	NB
P	*Stellaria humifusa*	Saltmarsh Starwort				S3	15	29.3 ± 5.0	NB
P	*Ceratophyllum echinatum*	Prickly Hornwort				S3	36	9.9 ± 0.0	NB
P	*Hudsonia tomentosa*	Woolly Beach-heath				S3	398	37.4 ± 0.0	NB
P	*Cornus obliqua*	Silky Dogwood				S3	71	57.2 ± 0.0	NB
P	*Crassula aquatica*	Water Pygmyweed				S3	6	47.2 ± 0.0	NB
P	*Rhodiola rosea*	Roseroot				S3	90	56.6 ± 0.0	NB
P	*Penthorum sedoides*	Ditch Stonecrop				S3	34	19.8 ± 0.0	NB
P	*Elatine minima*	Small Waterwort				S3	2	55.4 ± 0.0	NB
P	*Geranium bicknellii*	Bicknell's Crane's-bill				S3	28	4.6 ± 5.0	NB
P	*Myriophyllum farwellii*	Farwell's Water Milfoil				S3	9	47.3 ± 0.0	NB
P	*Myriophyllum heterophyllum*	Variable-leaved Water Milfoil				S3	25	79.0 ± 0.0	NB
P	*Myriophyllum verticillatum*	Whorled Water Milfoil				S3	16	46.9 ± 0.0	NB
P	*Teucrium canadense*	Canada Germander				S3	125	27.8 ± 0.0	NB
P	*Nuphar microphylla*	Small Yellow Pond-lily				S3	6	46.2 ± 0.0	NB
P	*Epilobium hornemannii*	Hornemann's Willowherb				S3	5	61.4 ± 0.0	NB
P	*Epilobium hornemannii ssp. hornemannii*	Hornemann's Willowherb				S3	1	61.3 ± 0.0	NB
P	*Epilobium strictum*	Downy Willowherb				S3	29	21.9 ± 0.0	NB
P	*Polygala sanguinea*	Blood Milkwort				S3	65	24.0 ± 5.0	NB
P	*Persicaria arifolia*	Halberd-leaved Tearthumb				S3	141	15.0 ± 0.0	NB
P	*Persicaria punctata*	Dotted Smartweed				S3	28	39.5 ± 0.0	NB
P	*Fallopia scandens*	Climbing False Buckwheat				S3	77	17.1 ± 0.0	NB
P	*Littorella americana*	American Shoreweed				S3	4	95.3 ± 1.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Samolus parviflorus*	Seaside Brookweed				S3	140	23.9 ± 0.0	NB
P	*Pyrola minor*	Lesser Pyrola				S3	6	51.3 ± 1.0	NB
P	*Clematis occidentalis*	Purple Clematis				S3	16	35.0 ± 0.0	NB
P	*Ranunculus gmelinii*	Gmelin's Water Buttercup				S3	51	10.5 ± 1.0	NB
P	*Thalictrum confine*	Northern Meadow-rue				S3	8	83.2 ± 0.0	NB
P	*Amelanchier canadensis*	Canada Serviceberry				S3	20	31.3 ± 0.0	NB
P	*Rosa palustris*	Swamp Rose				S3	8	51.4 ± 0.0	NB
P	*Rubus occidentalis*	Black Raspberry				S3	5	40.9 ± 0.0	NB
P	*Sanguisorba canadensis*	Canada Burnet				S3	19	58.0 ± 0.0	NB
P	*Galium boreale*	Northern Bedstraw				S3	5	61.9 ± 0.0	NB
P	*Salix nigra*	Black Willow				S3	54	64.7 ± 0.0	NB
P	*Salix pedicellaris*	Bog Willow				S3	66	25.9 ± 0.0	NB
P	*Salix interior*	Sandbar Willow				S3	1	26.4 ± 1.0	NB
P	*Comandra umbellata*	Bastard's Toadflax				S3	51	30.1 ± 0.0	NB
P	*Limosella australis*	Southern Mudwort				S3	87	23.9 ± 0.0	NB
P	*Pilea pumila*	Dwarf Clearweed				S3	70	20.2 ± 0.0	NB
P	*Viola adunca*	Hooked Violet				S3	7	36.1 ± 0.0	NB
P	*Viola nephrophylla*	Northern Bog Violet				S3	14	53.9 ± 0.0	NB
P	*Carex arcta*	Northern Clustered Sedge				S3	14	31.2 ± 5.0	NB
P	*Carex capillaris*	Hairlike Sedge				S3	20	60.0 ± 0.0	NB
P	*Carex chordorrhiza*	Creeping Sedge				S3	74	47.2 ± 0.0	NB
P	*Carex conoidea*	Field Sedge				S3	10	37.1 ± 0.0	NB
P	*Carex eburnea*	Bristle-leaved Sedge				S3	18	34.6 ± 100.0	NB
P	*Carex exilis*	Coastal Sedge				S3	6	66.6 ± 0.0	NS
P	*Carex garberi*	Garber's Sedge				S3	1	33.7 ± 0.0	NB
P	*Carex haydenii*	Hayden's Sedge				S3	21	10.4 ± 0.0	NB
P	*Carex lupulina*	Hop Sedge				S3	27	19.8 ± 0.0	NB
P	*Carex michauxiana*	Michaux's Sedge				S3	17	46.2 ± 1.0	NB
P	*Carex ormostachya*	Necklace Spike Sedge				S3	6	20.7 ± 1.0	NB
P	*Carex rosea*	Rosy Sedge				S3	23	61.6 ± 0.0	NB
P	*Carex tenera*	Tender Sedge				S3	23	6.6 ± 0.0	NB
P	*Carex tuckermanii*	Tuckerman's Sedge				S3	30	28.7 ± 0.0	NB
P	*Carex wiegandii*	Wiegand's Sedge				S3	177	12.6 ± 0.0	NB
P	*Carex recta*	Estuary Sedge				S3	17	25.1 ± 0.0	NB
P	*Carex atratiformis*	Scabrous Black Sedge				S3	3	90.1 ± 0.0	NS
P	*Cyperus dentatus*	Toothed Flatsedge				S3	126	53.6 ± 1.0	NB
P	*Cyperus esculentus var. leptostachyus*	Perennial Yellow Nutsedge				S3	28	40.7 ± 0.0	NB
P	*Eleocharis intermedia*	Matted Spikerush				S3	1	51.9 ± 0.0	NB
P	*Rhynchospora capitellata*	Small-headed Beakrush				S3	2	72.1 ± 1.0	NB
P	*Rhynchospora fusca*	Brown Beakrush				S3	12	53.7 ± 0.0	NB
P	*Trichophorum clintonii*	Clinton's Clubrush				S3	25	61.3 ± 0.0	NB
P	*Bolboschoenus fluviatilis*	River Bulrush				S3	7	29.6 ± 1.0	NB
P	*Schoenoplectus torreyi*	Torrey's Bulrush				S3	8	10.3 ± 0.0	NB
P	*Lemna trisulca*	Star Duckweed				S3	26	17.8 ± 0.0	NB
P	*Cypripedium reginae*	Showy Lady's-Slipper				S3	37	22.5 ± 0.0	NB
P	*Liparis loeselii*	Loesel's Twayblade				S3	33	9.4 ± 0.0	NB
P	*Platanthera blephariglottis*	White Fringed Orchid				S3	603	10.9 ± 0.0	NB
P	*Platanthera grandiflora*	Large Purple Fringed Orchid				S3	47	18.2 ± 1.0	NB
P	*Bromus latiglumis*	Broad-Glumed Brome				S3	28	17.1 ± 0.0	NB
P	*Calamagrostis pickeringii*	Pickering's Reed Grass				S3	32	17.4 ± 0.0	NB
P	*Dichanthelium depauperatum*	Starved Panic Grass				S3	31	41.8 ± 0.0	NB
P	*Heteranthera dubia*	Water Stargrass				S3	5	93.2 ± 0.0	NB
P	*Potamogeton obtusifolius*	Blunt-leaved Pondweed				S3	36	21.4 ± 0.0	NB
P	*Potamogeton richardsonii*	Richardson's Pondweed				S3	6	87.9 ± 0.0	NB
P	*Xyris montana*	Northern Yellow-Eyed-Grass				S3	242	10.3 ± 0.0	NB
P	*Zannichellia palustris*	Horned Pondweed				S3	48	23.7 ± 0.0	NB

Taxonomic Group	Scientific Name	Common Name	COSEWIC	SARA	Prov Legal Prot	Prov Rarity Rank	# recs	Distance (km)	Prov
P	*Adiantum pedatum*	Northern Maidenhair Fern				S3	1	81.2 ± 1.0	NB
P	*Cryptogramma stelleri*	Steller's Rockbrake				S3	1	91.8 ± 0.0	NB
P	*Asplenium viride*	Green Spleenwort				S3	17	35.9 ± 1.0	NB
P	*Dryopteris fragrans*	Fragrant Wood Fern				S3	81	50.1 ± 0.0	NB
P	*Woodsia glabella*	Smooth Cliff Fern				S3	67	50.3 ± 0.0	NB
P	*Isoetes tuckermanii ssp. tuckermanii*	Tuckerman's Quillwort				S3	4	53.7 ± 0.0	NB
P	*Diphasiastrum x sabinifolium*	Savin-leaved Ground-cedar				S3	17	35.7 ± 0.0	NB
P	*Huperzia appressa*	Mountain Firmoss				S3	46	61.5 ± 0.0	NB
P	*Sceptridium dissectum*	Dissected Moonwort				S3	9	32.4 ± 1.0	NB
P	*Botrychium lanceolatum ssp. angustisegmentum*	Narrow Triangle Moonwort				S3	18	28.2 ± 5.0	NB
P	*Botrychium simplex*	Least Moonwort				S3	6	45.6 ± 0.0	NB
P	*Polypodium appalachianum*	Appalachian Polypody				S3	30	32.6 ± 1.0	NB
P	*Crataegus submollis*	Quebec Hawthorn				S3?	5	92.9 ± 1.0	NB
P	*Mertensia maritima*	Sea Lungwort				S3S4	8	49.5 ± 0.0	NB
P	*Lobelia kalmii*	Brook Lobelia				S3S4	2	88.7 ± 10.0	NB
P	*Suaeda calceoliformis*	Horned Sea-blite				S3S4	37	8.7 ± 0.0	NB
P	*Myriophyllum sibiricum*	Siberian Water Milfoil				S3S4	8	60.8 ± 0.0	NS
P	*Stachys pilosa*	Hairy Hedge-Nettle				S3S4	2	94.8 ± 0.0	NB
P	*Utricularia gibba*	Humped Bladderwort				S3S4	3	48.0 ± 0.0	NB
P	*Rumex fueginus*	Tierra del Fuego Dock				S3S4	110	6.8 ± 0.0	NB
P	*Rubus chamaemorus*	Cloudberry				S3S4	160	12.6 ± 0.0	NB
P	*Geocaulon lividum*	Northern Comandra				S3S4	43	18.2 ± 0.0	NB
P	*Juniperus horizontalis*	Creeping Juniper				S3S4	25	26.7 ± 1.0	NB
P	*Cladium mariscoides*	Smooth Twigrush				S3S4	7	49.2 ± 1.0	NB
P	*Eriophorum russeolum*	Russet Cottongrass				S3S4	317	14.3 ± 0.0	NB
P	*Eriophorum russeolum ssp. russeolum*	Russet Cottongrass				S3S4	53	34.2 ± 0.0	NB
P	*Triglochin gaspensis*	Gasp ├⌐ Arrowgrass				S3S4	70	37.9 ± 0.0	NB
P	*Spirodela polyrhiza*	Great Duckweed				S3S4	19	46.2 ± 0.0	NB
P	*Corallorhiza maculata*	Spotted Coralroot				S3S4	25	31.8 ± 0.0	NB
P	*Calamagrostis stricta*	Slim-stemmed Reed Grass				S3S4	31	28.5 ± 2.0	NB
P	*Calamagrostis stricta ssp. stricta*	Slim-stemmed Reed Grass				S3S4	15	52.9 ± 0.0	NB
P	*Distichlis spicata*	Salt Grass				S3S4	92	27.0 ± 5.0	NB
P	*Potamogeton oakesianus*	Oakes' Pondweed				S3S4	14	20.1 ± 0.0	NB
P	*Montia fontana*	Water Blinks				SH	4	28.6 ± 1.0	NB
P	*Brachyelytrum erectum*	Bearded Shorthusk				SH	2	36.5 ± 2.0	NB
P	*Agalinis maritima*	Saltmarsh Agalinis				SX	2	67.3 ± 50.0	NB

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The recipient of these data shall acknowledge the AC CDC and the data sources listed below in any documents, reports, publications or presentations, in which this dataset makes a significant contribution.

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89	Sollows, M.C,. 2009. NBM Science Collections databases: molluscs. New Brunswick Museum, Saint John NB, download Jan. 2009, 6951 recs (2957 in Atlantic Canada).

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86	Hicks, Andrew. 2009. Coastal Waterfowl Surveys Database, 2000-08. Canadian Wildlife Service, Sackville, 46488 recs (11149 non-zero).
85	Blaney, C.S. 2018. Atlantic Canada Conservation Data Centre Fieldwork 2018. Atlantic Canada Conservation Data Centre.
83	Newell, R.E. 2000. E.C. Smith Herbarium Database. Acadia University, Wolfville NS, 7139 recs.
80	Honeyman, K. 2019. Unique Areas Database, 2018. J.D. Irving Ltd.
80	MacDonald, E.C. 2018. CWS Piping Plover Census, 2010-2017. Canadian Wildlife Service, 672 recs.
80	Spicer, C.D. & Harries, H. 2001. Mount Allison Herbarium Specimens. Mount Allison University, 128 recs.
79	Blaney, C.S.; Mazerolle, D.M. 2011. Fieldwork 2011. Atlantic Canada Conservation Data Centre. Sackville NB.
78	Scott, Fred W. 1998. Updated Status Report on the Cougar (Puma Concolor couguar) [Eastern population]. Committee on the Status of Endangered Wildlife in Canada, 298 recs.
77	NatureServe Canada. 2019. iNaturalist Maritimes Butterfly Records. iNaturalist.org and iNaturalist.ca.
70	Neily, T.H. 2017. Maritmes Lichen and Bryophyte records. Atlantic Canada Conservation Data Centre, 1015 recs.
67	Benjamin, L.K. (compiler). 2007. Significant Habitat & Species Database. Nova Scotia Dept Natural Resources, 8439 recs.
63	Richardson, Leif. 2018. Maritimes Bombus records from various sources. Richardson, Leif.
62	Churchill, J.L.; Walker, J. 2017. Species at Risk Surveys at Correctional Services Canada Properties in Nova Scotia and New Brunswick. Atlantic Canada Conservation Data Centre.
60	Brunelle, P.-M. (compiler). 2009. ADIP/MDDS Odonata Database: data to 2006 inclusive. Atlantic Dragonfly Inventory Program (ADIP), 24200 recs.
59	Erskine, A.J. 1999. Maritime Nest Records Scheme (MNRS) 1937-1999. Canadian Wildlife Service, Sackville, 313 recs.
58	Askanas, H. 2016. New Brunswick Wood Turtle Database. New Brunswick Department of Energy and Resource Development.
58	Benedict, B. Connell Herbarium Specimen Database Download 2004. Connell Memorial Herbarium, University of New Brunswick. 2004.
58	Klymko, J. 2020. Atlantic Canada Conservation Data Centre zoological fieldwork 2019. Atlantic Canada Conservation Data Centre.
57	Belliveau, A.G., Churchill, J.L. 2019. Compilation of flora and fauna observation records from Isle Haute, Nova Scotia. Acadia University; Atlantic Canada Conservation Data Centre, 522 recs.
56	iNaturalist. 2020. iNaturalist butterfly records selected for the Maritimes Butterfly Atlas. iNaturalist.
56	Klymko, J. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre.
55	Blaney, C.S. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 1042 recs.
55	Neily, Tom. 2020. Lichen surveys for PEI Forested Landscapes Priority Place. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 158 records.
54	Haughian, S.R. 2018. Description of Fuscopannaria leucosticta field work in 2017. New Brunswick Museum, 314 recs.
49	Blaney, C.S. 2000. Fieldwork 2000. Atlantic Canada Conservation Data Centre. Sackville NB, 1265 recs.
49	Catling, P.M., Erskine, D.S. & MacLaren, R.B. 1985. The Plants of Prince Edward Island with new records, nomenclatural changes & corrections & deletions, 1st Ed. Research Branch, Agriculture Canada, Ottawa, Publication 1798. 22pp.
46	Blaney, C.S. 2019. Sean Blaney 2019 field data. Atlantic Canada Conservation Data Centre, 4407 records.
46	MacDonald, M. 2008. PEI Power Corridor Floral Surveys, 2004-08. Jacques Whitford Ltd, 2238 recs (979 rare).
45	Blaney, C.S.; Mazerolle, D.M.; Belliveau, A.B. 2014. Atlantic Canada Conservation Data Centre Fieldwork 2014. Atlantic Canada Conservation Data Centre, # recs.
45	Mazerolle, D.M. 2020. Atlantic Canada Conservation Data Centre botanical fieldwork 2019. Atlantic Canada Conservation Data Centre.
45	Nussey, Pat & NCC staff. 2019. AEI tracked species records, 2016-2019. Chapman, C.J. (ed.) Atlantic Canada Conservation Data Centre, 333.
41	Klymko, J.J.D.; Robinson, S.L. 2014. 2013 field data. Atlantic Canada Conservation Data Centre.
41	Newell, R.E. 2005. E.C. Smith Digital Herbarium. E.C. Smith Herbarium, Irving Biodiversity Collection, Acadia University, Web site: http://luxor.acadiau.ca/library/Herbarium/project/. 582 recs.
41	Wissink, R. 2006. Fundy National Park Digital Database. Parks Canada, 41 recs.
40	Manthorne, A. 2014. MaritimesSwiftwatch Project database 2013-2014. Bird Studies Canada, Sackville NB, 326 recs.
39	Goltz, J.P. 2012. Field Notes, 1989-2005. , 1091 recs.
39	Majka, C. 2009. Université de Moncton Insect Collection: Carabidae, Cerambycidae, Coccinellidae. Université de Moncton, 540 recs.
38	LaPaix, R.W.; Crowell, M.J.; MacDonald, M.; Neily, T.D.; Quinn, G. 2017. Stantec Nova Scotia rare plant records, 2012-2016. Stantec Consulting.
38	Thomas, P. 2018. CSC Dorchester Bobolink Survey. Environment Canada, Canadian Wildlife Service.
37	Allen, K. 2012. Rare plant spatial data from Pleasant Ridge cranberry farm. NB Deparment of Environment, Environmental Assessment Section, 39 recs.
37	Canadian Wildlife Service, Dartmouth. 2010. Piping Plover censuses 2007-09, 304 recs.
36	Blaney, C.S & Spicer, C.D.; Popma, T.M.; Basquill, S.P. 2003. Vascular Plant Surveys of Northumberland Strait Rivers & Amherst Area Peatlands. Nova Scotia Museum Research Grant, 501 recs.
36	Wallace, S. 2020. Stewardship Department species occurrence data on NTNB preserves. Nature Trust of New Brunswick.
35	Clayden, S.R. 2007. NBM Science Collections databases: vascular plants. New Brunswick Museum, Saint John NB, download Mar. 2007, 6914 recs.
34	Belliveau, A.G. 2018. E.C. Smith Herbarium and Atlantic Canada Conservation Data Centre Fieldwork 2018. E.C. Smith Herbarium, 6226 recs.
34	Donell, R. 2008. Rare plant records from rare coastal plant project. Bouctouche Dune Irving Eco-centre. Pers. comm. to D.M. Mazerolle, 50 recs.
34	Robinson, S.L. 2010. Fieldwork 2009 (dune ecology). Atlantic Canada Conservation Data Centre. Sackville NB, 408 recs.
33	Klymko, J. 2021. Atlantic Canada Conservation Data Centre zoological fieldwork 2020. Atlantic Canada Conservation Data Centre.
33	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2013.
31	Jobin, C. & Clow, A., Van Dijk, J. 2019. Eastern Waterfan data, Mount Allison Fundy Field Camp 2019. Chapman, C.J. (ed.) Fundy National Park and Mount Allison University, 31 recs.
31	Scott, F.W. 2002. Nova Scotia Herpetofauna Atlas Database. Acadia University, Wolfville NS, 8856 recs.
30	Cowie, F. 2007. Electrofishing Population Estimates 1979-98. Canadian Rivers Institute, 2698 recs.
29	Island Nature Trust. 2016. Farmland birds project. Mader, Shannon (ed.) .
29	Robinson, S.L. 2015. 2014 field data.
28	Blaney, C.S.; Spicer, C.D.; Rothfels, C. 2004. Fieldwork 2004. Atlantic Canada Conservation Data Centre. Sackville NB, 1343 recs.
28	Doucet, D.A. 2007. Lepidopteran Records, 1988-2006. Doucet, 700 recs.
26	Chapman, C.J. 2018. Atlantic Canada Conservation Data Centre botanical fieldwork 2018. Atlantic Canada Conservation Data Centre, 11171 recs.
26	Coursol, F. 2005. Dataset from New Brunswick fieldwork for Eriocaulon parkeri COSEWIC report. Coursol, Pers. comm. to C.S. Blaney, Aug 26. 110 recs.

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26	Sabine, D.L. 2005. 2001 Freshwater Mussel Surveys. New Brunswick Dept of Natural Resources & Energy, 590 recs.
25	Pronych, G. & Wilson, A. 1993. Atlas of Rare Vascular Plants in Nova Scotia. Nova Scotia Museum, Halifax NS, I:1-168, II:169-331. 1446 recs.
24	Bateman, M.C. 2001. Coastal Waterfowl Surveys Database, 1965-2001. Canadian Wildlife Service, Sackville, 667 recs.
24	Tingley, S. (compiler). 2001. Butterflies of New Brunswick. , Web site: www.geocities.com/Yosemite/8425/buttrfly. 142 recs.
23	Chiasson, R. 2018. Breeding bird observations from NBWTF project. pers. comm. to S. Blaney.
23	Epworth, W. 2013. Species at Risk records, 2013. Fort Folly Habitat Recovery Program, 27 recs.
22	Hinds, H.R. 1999. Connell Herbarium Database. University New Brunswick, Fredericton, 131 recs.
21	Thomas, A.W. 1996. A preliminary atlas of the butterflies of New Brunswick. New Brunswick Museum.
20	Beardmore, T. 2017. 2017 Butternut observations. Natural Resources Canada.
20	Kouchibouguac National Park, Natural Resource Conservation Sec. 1988. The Resources of Kouchibouguac National Park. Beach, H. (ed.) , 90 recs.
20	Mazerolle, M.J., Drolet, B., & Desrochers, A. 2001. Small Mammal Responses to Peat Mining of Southeastern Canadian Bogs. Can. J. Zool., 79:296-302. 21 recs.
19	Pike, E., Tingley, S. & Christie, D.S. 2000. Nature NB Listserve. University of New Brunswick, listserv.unb.ca/archives/naturenb. 68 recs.
18	Blaney, C.S.; Spicer, C.D. 2001. Fieldwork 2001. Atlantic Canada Conservation Data Centre. Sackville NB, 981 recs.
18	Klymko, J. Dataset of butterfly records at the New Brunswick Museum not yet accessioned by the museum. Atlantic Canada Conservation Data Centre. 2016.
17	Mazerolle, D. 2003. Assessment of Seaside Pinweed (Lechea maritima var. subcylindrica) in Southeastern New Brunswick. Irving Eco-centre, la Dune du Bouctouche, 18 recs.
17	McAlpine, D.F. 1998. NBM Science Collections: Wood Turtle records. New Brunswick Museum, Saint John NB, 329 recs.
17	Patrick, Allison. 2021. Animal and plant records from NCC properties from 2019 and 2020. Nature Conservancy Canada.
17	Wood Turtle (Glyptemys insculpta) Miramichi Watershed Synopsis 2013 Compiled by: Vladimir King Trajkovic, EPt Miramichi River Environmental Assessment Committee
16	Arsenault, M. 2019. Cormorant colony nest counts. PE Department of Communities, Land, and Environment.
16	Blaney, C.S.; Spicer, C.D.; Popma, T.M.; Hanel, C. 2002. Fieldwork 2002. Atlantic Canada Conservation Data Centre. Sackville NB, 2252 recs.
16	Caissie, A. Herbarium Records. Fundy National Park, Alma NB. 1961-1993.
16	Doucet, D.A. & Edsall, J.; Brunelle, P.-M. 2007. Miramichi Watershed Rare Odonata Survey. New Brunswick ETF & WTF Report, 1211 recs.
16	Roland, A.E. & Smith, E.C. 1969. The Flora of Nova Scotia, 1st Ed. Nova Scotia Museum, Halifax, 743pp.
16	Sollows, M.C. 2008. NBM Science Collections databases: herpetiles. New Brunswick Museum, Saint John NB, download Jan. 2008, 8636 recs.
15	Belland, R.J. 1992. The Bryophytes of Kouchibouguac National Park. Parks Canada, Kouchibouguac NP, 101 pp. + map.
15	Curley, F.R. 2005. PEF&W Collection 2003-04. PEI Fish & Wildlife Div., 716 recs.
15	Edsall, J. 2001. Lepidopteran records in New Brunswick, 1997-99. , Pers. comm. to K.A. Bredin. 91 recs.
15	Klymko, J.J.D. 2016. 2014 field data. Atlantic Canada Conservation Data Centre.
15	Manthorne, A. 2019. Incidental aerial insectivore observations. Birds Canada.
14	Churchill, J.L., Klymko, J.D.D. 2016. Atlantic Canada Conservation Data Centre Fieldwork 2016. Atlantic Canada Conservation Data Centre.
14	Morton, L.D. & Savoie, M. 1983. The Mammals of Kouchibouguac National Park. Parks Canada Report prep. by Canadian Wildlife Service, Sackville, NB, Vols 1-4. 14 recs.
14	NatureServe Canada. 2018. iNaturalist Butterfly Data Export . iNaturalist.org and iNaturalist.ca.
13	Wissink, R. 2000. Rare Plants of Fundy: maps. Parks Canada, 20 recs.
12	Blaney, C.S. Miscellaneous specimens received by ACCDC (botany). Various persons. 2001-08.
12	McAlpine, D.F. 1983. Status & Conservation of Solution Caves in New Brunswick. New Brunswick Museum, Publications in Natural Science, no. 1, 28pp.
12	Speers, L. 2008. Butterflies of Canada database: New Brunswick 1897-1999. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 2048 recs.
12	Walker, J. 2017. Bird inventories at French River, NS, and Memramcook, NB, for Nature Conservancy of Canada. Pers. comm. to AC CDC.
12	Webster, R.P. 2004. Lepidopteran Records for National Wildlife Areas in New Brunswick. Webster, 1101 recs.
11	Bredin, K.A. 2001. WTF Project: Freshwater Mussel Fieldwork in Freshwater Species data. Atlantic Canada Conservation Data Centere, 101 recs.
11	Canadian Wildlife Service, Atlantic Region. 2010. Piping Plover censuses 2006-09. , 35 recs.
11	Eaton, S. 2014. Nova Scotia Wood Turtle Database. Environment and Climate Change Canada, 4843 recs.
11	Gagnon, J. 2004. Specimen data from 2002 visit to Prince Edward Island. , 104 recs.
11	Webster, R.P. & Edsall, J. 2007. 2005 New Brunswick Rare Butterfly Survey. Environmental Trust Fund, unpublished report, 232 recs.
11	Zinck, M. & Roland, A.E. 1998. Roland's Flora of Nova Scotia. Nova Scotia Museum, 3rd ed., rev. M. Zinck; 2 Vol., 1297 pp.
10	Bateman, M.C. 2000. Waterfowl Brood Surveys Database, 1990-2000 . Canadian Wildlife Service, Sackville, unpublished data. 149 recs.
10	Doucet, D.A. & Edsall, J. 2007. Ophiogomphus howei records. Atlantic Canada Conservation Data Centre, Sackville NB, 21 recs.
10	Doucet, D.A. 2008. Fieldwork 2008: Odonata. ACCDC Staff, 625 recs.
10	Downes, C. 1998-2000. Breeding Bird Survey Data. Canadian Wildlife Service, Ottawa, 111 recs.
10	Hall, R.A. 2003. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 189 recs.
10	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2009. New Brunswick Dept Natural Resources, 19 recs (14 active).
10	Klymko, J.J.D. 2018. 2017 field data. Atlantic Canada Conservation Data Centre.
10	McMullin, R.T. 2015. Prince Edward Island's lichen biodiversity and proposed conservation status in a report prepared for the province of PEI. Biodiversity Institute of Ontario Herbarium, University of Guelph, 776 records.
10	Patrick, A.; Horne, D.; Noseworthy, J. et. al. 2017. Field data for Nova Scotia and New Brunswick, 2015 and 2017. Nature Conservancy of Canada.
10	Richardson, D., Anderson, F., Cameron, R, McMullin, T., Clayden, S. 2014. Field Work Report on Black Foam Lichen (Anzia colpodes). COSEWIC.
10	Tremblay, E. 2001. Kouchibouguacis River Freshwater Mussel Data. Parks Canada, Kouchibouguac NP, 45 recs.

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9	Amirault, D.L. 2000. Piping Plover Surveys, 1983-2000. Canadian Wildlife Service, Sackville, unpublished data. 70 recs.
9	Benedict, B. Connell Herbarium Specimens. University New Brunswick, Fredericton. 2000.
9	Godbout, V. 2002. SAR Inventory: Birds in Fort Beauséjour NHS. Parks Canada, Atlantic, SARINV02-01. 202 recs.
9	Hall, R.A. 2001. S.. NS Freshwater Mussel Fieldwork. Nova Scotia Dept Natural Resources, 178 recs.
9	Hinds, H.R. 1997. Vascular Plants of Cocagne Island. Connell Herbarium, UNB.
9	Mawhinney, K. & Seutin, G. 2001. Lepidoptera Survey of the Salt Marshes of of Kouchibouguac National Park. Parks Canada Unpublished Report, 5p. 9 recs.
9	Munro, Marian K. Tracked lichen specimens, Nova Scotia Provincial Museum of Natural History Herbarium. Atlantic Canada Conservation Data Centre. 2019.
9	Nature Trust of New Brunswick. 2021. Nature Trust of New Brunswick site inventory data submitted in April 2021. Nature Trust of New Brunswick, 2189 records.
8	Cowie, Faye. 2007. Surveyed Lakes in New Brunswick. Canadian Rivers Institute, 781 recs.
8	Hinds, H.R. 1992. Rare Vascular Plants of Fundy National Park. , 10 recs.
8	King, Amelia. 2020. Belleisle Watershed Coalition Turtle Watch Data. Belleisle Watershed Coalition.
8	Native Council of Prince Edward Island. 2019. Bat species and Bank Swallow observations at St. Chrysostome Wildlife Management Area, PEI. Native Council of Prince Edward Island.
8	Plissner, J.H. & Haig, S.M. 1997. 1996 International piping plover census. US Geological Survey, Corvallis OR, 231 pp.
8	Popma, T.M. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre. Sackville NB, 113 recs.
8	Trajkovic, V.K. 2017. Wood turtles inventroy miramichi watershed 2017. Miramichi River Environmental Action Committee, 22 records.
8	Webster, R.P. 2006. Survey for Suitable Salt Marshes for the Maritime Ringlet, New Populations of the Cobblestone Tiger Beetle, & New Localities of Three Rare Butterfly Species. New Brunswick WTF Report, 28 recs.
8	Westwood, A., Staicer, C. 2016. Nova Scotia landbird Species at Risk observations. Dalhousie University.
8	Wilhelm, S.I. et al. 2019. Colonial Waterbird Database. Canadian Wildlife Service.
7	e-Butterfly. 2019. Export of Maritimes records and photos. McFarland, K. (ed.) e-butterfly.org.
7	Erskine, D. 1960. The plants of Prince Edward Island, 1st Ed. Research Branch, Agriculture Canada, Ottawa., Publication 1088. 1238 recs.
7	Glen, W. 1991. 1991 Prince Edward Island Forest Biomass Inventory Data. PEI Dept of Energy and Forestry, 10059 recs.
7	Holder, M.L.; Kingsley, A.L. 2000. Kinglsey and Holder observations from 2000 field work.
7	Oldham, M.J. 2000. Oldham database records from Maritime provinces. Oldham, M.J; ONHIC, 487 recs.
7	Shortt, R. Connell Herbarium Black Ash specimens. University New Brunswick, Fredericton. 2019.
7	Staicer, C. & Bliss, S.; Achenbach, L. 2017. Occurrences of tracked breeding birds in forested wetlands. , 303 records.
6	Benedict, B. Connell Herbarium Specimens, Digital photos. University New Brunswick, Fredericton. 2005.
6	Elward, D. 2017. 2015-2016 Freshwater Mussel Inventories in the Bouctouche Watershed. Southeastern Anglers Association, 6 recs.
6	Gowan, S. 1980. The Lichens of Kouchibouguac National Park, Parts I (Macrolichens) & II (Microlichens). National Museum of Natural Sciences. Ottawa, ON, 7 recs.
6	Harris, P. 2004. Plant records from 1997-2003. Island Nature Trust, Charlottetown PE, 71 recs.
6	Layberry, R.A. & Hall, P.W., LaFontaine, J.D. 1998. The Butterflies of Canada. University of Toronto Press. 280 pp+plates.
6	Morrison, Annie. 2010. NCC Properties Fieldwork: June-August 2010. Nature Conservancy Canada, 508 recs.
6	Neily, T.H. 2019. Tom Neily NS Bryophyte records (2009-2013). T.H. Neily, Atlantic Canada Conservation Data Centre, 1029 specimen records.
5	Basquill, S.P. 2003. Fieldwork 2003. Atlantic Canada Conservation Data Centre, Sackville NB, 69 recs.
5	Basset, I.J. & Crompton, C.W. 1978. The Genus Suaeda (Chenopodiaceae) in Canada. Canadian Journal of Botany, 56: 581-591.
5	Bastien, D. 2017. Rare Peatland plant observations. Pers. comm. to H. Askanas, New Brunswick Department of Energy and Resource Development.
5	Burns, L. 2013. Personal communication concerning bat occurrence on PEI. Winter 2013. Pers. comm.
5	Carter, Jeff; Churchill, J.; Churchill, I.; Churchill, L. 2020. Bank Swallow colony Scots Bay, NS. Atlantic Canada Conservation Data Centre.
5	Chaput, G. 2002. Atlantic Salmon: Maritime Provinces Overview for 2001. Dept of Fisheries & Oceans, Atlantic Region, Science Stock Status Report D3-14. 39 recs.
5	Churchill, J.L. 2019. Atlantic Canada Conservation Data Centre Fieldwork 2019. Atlantic Canada Conservation Data Centre.
5	Clayden, S.R. 2005. Confidential supplement to Status Report on Ghost Antler Lichen (Pseudevernia cladonia). Committee on the Status of Endangered Wildlife in Canada, 27 recs.
5	Klymko, J.J.D. 2012. Insect fieldwork & submissions, 2011. Atlantic Canada Conservation Data Centre. Sackville NB, 760 recs.
5	Munro, Marian K. Nova Scotia Provincial Museum of Natural History Herbarium Database. Nova Scotia Provincial Museum of Natural History, Halifax, Nova Scotia. 2014.
5	Neily, T.H. & Pepper, C.; Toms, B. 2018. Nova Scotia lichen database [as of 2018-03]. Mersey Tobeatic Research Institute.
5	Sabine, D.L. 2013. Dwaine Sabine butterfly records, 2009 and earlier.
4	Daury, R.W. & Bateman, M.C. 1996. The Barrow's Goldeneye (Bucephala islandica) in the Atlantic Provinces and Maine. Canadian Wildlife Service, Sackville, 47pp.
4	Dept of Fisheries & Oceans. 1999. Status of Wild Striped Bass, & Interaction between Wild & Cultured Striped Bass in the Maritime Provinces. , Science Stock Status Report D3-22. 13 recs.
4	Edsall, J. 2007. Personal Butterfly Collection: specimens collected in the Canadian Maritimes, 1961-2007. J. Edsall, unpubl. report, 137 recs.
4	Godbout, V. 2000. Recherche de l'Aster du St-Laurent (Aster laurentianus) et du Satyre des Maritimes (Coenonympha nepisiquit) au Parc national Kouchibouguac et a Dune du Bouctouche, N-B. Irving Eco-centre, 23 pp.
4	Gravel, Mireille. 2010. Coordonnées des tortues des bois Salmon River Road, 2005. Kouchibouguac National Park, 4 recs.
4	Hicklin, P.W. 1995. The Maritime Shorebird Survey Newsletter. Calidris, No. 3. 6 recs.
4	Kennedy, Joseph. 2010. New Brunswick Peregrine records, 2010. New Brunswick Dept Natural Resources, 16 recs (11 active).
4	McNeil, J.A. 2016. Blandings Turtle (Emydoidea blandingii), Eastern Ribbonsnake (Thamnophis sauritus), Wood Turtle (Glyptemys insculpta), and Snapping Turtle (Chelydra serpentina) sightings, 2016. Mersey Tobeatic Research Institute, 774 records.
4	Ogden, K. Nova Scotia Museum butterfly specimen database. Nova Scotia Museum. 2017.
4	Olsen, R. Herbarium Specimens. Nova Scotia Agricultural College, Truro. 2003.
4	Phillips, B. 2017. Emails to John Klymko regarding Eastern Waterfan (Peltigera hydrothyria) occurrences in Fundy National Park. Fundy Biosphere Reserve, 3 recs.
4	Popma, K. 2001. Phalarope & other bird observations in Westmorland Co. , Pers. comm. to K.A. Bredin. 5 recs.
4	Powell, B.C. 1967. Female sexual cycles of Chrysemy spicta & Clemmys insculpta in Nova Scotia. Can. Field-Nat., 81:134-139. 26 recs.

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4	Sabine, D.L. 2012. Bronze Copper records, 2003-06. New Brunswick Dept of Natural Resources, 5 recs.
4	Sabine, M. 2016. Black Ash records from the NB DNR Forest Development Survey. New Brunswick Department of Natural Resources.
4	Wisniowski, C. & Dowding, A. 2020. NB species occurrence data for 2020. Nature Trust of New Brunswick.
3	Curley, F.R. 2007. PEF&W Collection. PEI Fish & Wildlife Div., 199 recs.
3	Doucet, D.A. 2009. Census of Globally Rare, Endemic Butterflies of Nova Scotia Gulf of St Lawrence Salt Marshes. Nova Scotia Dept of Natural Resources, Species at Risk, 155 recs.
3	e-Butterfly. 2018. Selected Maritimes butterfly records from 2016 and 2017. Maxim Larrivee, Sambo Zhang (ed.) e-butterfly.org.
3	Ferguson, D.C. 1954. The Lepidoptera of Nova Scotia. Part I, macrolepidoptera. Proceedings of the Nova Scotian Institute of Science, 23(3), 161-375.
3	Gagnon, E. Herbarium from 2017 Plant Systematics class. Université de Moncton. 2017.
3	Gautreau-Daigle, H. 2007. Rare plant records from peatland surveys. Coastal Zones Research Institute, Shippagan NB. Pers. comm. to D.M. Mazerolle, 39 recs.
3	Gautreau, R. 2005. Betula michauxii occurrence on Bog 324, near Baie-Ste-Anne, NB. Pers. comm. to C.S. Blaney, 3 recs.
3	Gauvin, J.M. 1979. Etude de la vegetation des marais sales du parc national Kouchibouguac, N-B. M.Sc. Thesis, Universite de Moncton, 248 pp.
3	Godbout, Valerié. 2010. Étude de l'Aster du Saint-Laurent dans le parc national Kouchibouguac, 2000-04. Parks Canada, 3 recs.
3	Golder Associates. 2018. Dorchester wind turbine bat detections. Owens, Luke, Firman, Mitch, Melcher, Heather (ed.) Golder Associates Ltd.
3	Goltz, J.P. & Bishop, G. 2005. Confidential supplement to Status Report on Prototype Quillwort (Isoetes prototypus). Committee on the Status of Endangered Wildlife in Canada, 111 recs.
3	Grondin, P. & Blouin, J-L., Bouchard, D.; et al. 1981. Description et cartographie de la vegetation du cordon littoral. Parc National de Kouchibouguac. Le Groupe Dryade, 57 pp.
3	Holder, M. & Kingsley, A.L. 2000. Peatland Insects in NB & NS: Results of surveys in 10 bogs during summer 2000. Atlantic Canada Conservation Data Centre, Sackville, 118 recs.
3	Klymko, J. Univeriste de Moncton insect collection butterfly record dataset. Atlantic Canada Conservation Data Centre. 2017.
3	Klymko, J.J.D. 2012. Insect field work & submissions. Atlantic Canada Conservation Data Centre, 852 recs.
3	LaPaix, R.W. 2014. Trans-Canada Energy East Pipeline Environmental Assessment, Records from 2013-14. Stantec Consulting, 5 recs.
3	MacQuarrie, K. 1991-1999. Site survey files, maps. Island Nature Trust, Charlottetown PE, 60 recs.
3	McLelland, Don. 2020. Orchid observations at Enmore River, PEI. Don McLelland. Pers. comm. to C.S. Blaney.
3	Neily, T.H. Tom Neily NS Sphagnum records (2009-2014). T.H. Neily, Atlantic Canada Conservation Data Centre. 2019.
3	NS DNR. 2017. Black Ash records from NS DNR Permanent Sample Plots (PSPs), 1965-2016. NS Dept of Natural Resources.
3	Nye, T. 2002. Wood Turtle observations in Westmorland, Queens Cos. , Pers. com. to S.H. Gerriets, Dec. 3. 3 recs.
3	Sabine, M. 2016. Black Ash records from NB DNR permanent forest sampling Plots. New Brunswick Department of Natural Resources, 39 recs.
3	Sabine, M. 2016. NB DNR staff incidental Black Ash observations. New Brunswick Department of Natural Resources.
3	Speers, L. 2001. Butterflies of Canada database. Agriculture & Agri-Food Canada, Biological Resources Program, Ottawa, 190 recs.
3	Toms, B. 2018. Bat Species data from www.batconservation.ca for Nova Scotia. Mersey Tobeatic Research Institute, 547 Records.
3	Toner, M. 2001. Lynx Records 1973-2000. NB Dept of Natural Resources, 29 recs.
2	Basquill, S.P., Porter, C. 2019. Bryophyte and lichen specimens submitted to the E.C. Smith Herbarium. NS Department of Lands and Forestry.
2	Belliveau, A.G. 2014. Plant Records from Southern and Central Nova Scotia. Atlantic Canada Conservation Data Centre, 919 recs.
2	Belliveau, A.G. E.C. Smith Herbarium Specimen Database 2019. E.C. Smith Herbarium, Acadia University. 2019.
2	Boyne, A.W. & Grecian, V.D. 1999. Tern Surveys. Canadian Wildlife Service, Sackville, unpublished data. 23 recs.
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APPENDIX G

Wetland Delineation Reports (2020 & 2021)

WETLAND DELINEATION REPORT: SATARA Dr., MONCTON, NB

July 12, 2021

For

CVR Homes
46 Diamond Head Ct #113
Moncton, NB
E1G 5S3

By

Theo Popma MSc. (Wetland Delineator) at Overdale Environmental Inc.
342 Highfield Street
Moncton, NB
E1C 5R6
tpopma@nb.sympatico.ca
www.Overdale.net
506-227-7605

Figures:	Appendix A
Datapoint Photos:	Appendix B
Wetland Data Sheets:	Appendix C
Background Information:	Appendix D
Google Earth Files:	Attachment

Introduction

A Wetland Delineation survey was conducted on PID 70629431 (Figure 1) by Theo Popma of Overdale Environmental Inc. on June 26 and 27, 2021. Mr. Popma is a recognized wetland delineator in the province of New Brunswick. Weather conditions were cloudy with moderate wind with temperatures around 22C. Recently there had been a mix of rain and sun.

This report is in support of an EIA being conducted for permitting for development of the site.

Results

See Figure 3.

Photos at each datapoint location are shown in Appendix B. Datasheets are shown in Appendix C.

Datapoints are described below.

DP 1 (Upland)

No hydrological indicators were present here. Soils were mottled with the majority of the matrix being un-depleted. Vegetation was generally hydric and dominated by shrubs and saplings such as Wild Raisin (*Viburnum nudum*) and Balsam Fir (*Abies balsamea*).

DP 2 (Wetland)

Soils were depleted and saturated with 20cm of peaty organics at the surface. Vegetation was typical of bogs and included Leatherleaf (*Chamaedaphne calyculata*) and Rhodora (*Rhododendron canadense*).

DPs 3 and 4 (Wetland)

Soils were saturated histosols. Dominant vegetation was typical of bogs: Sheep Laurel (*Kalmia angustifolia*) and Tamarack (*Larix laricina*).

DP 5 (Wetland)

The only hydrological indicators here were Sparsely Vegetated Depressions (SVD) and Drainage Patters. Soils were depleted to a thickness of 7cm starting within the top 10cm from the surface and so were designated as a Depleted Matrix. Vegetation was dominated by wetland graminoids such as Soft Rush (*Juncus effusus*).

DPs 6, 7, 10, 12 (Wetland)

These were all atypical situations where human activity such as ditching, deforestation and infilling are significantly influencing hydric indicators. Soils were generally depleted to some extent and mottled with the parent material. Hydrological indicators consisted predominantly of SVD. These were sometimes difficult to distinguish from skidder tracks. Vegetation was still dominated by hydric plants.

DPs 8 and 13 (Upland)

These points were situated in a regenerating clearcut and were therefore atypical. Hydrological indicators were absent. Gray Birch (*Betula populifolia*) was dominant over most of the area. Soils were not depleted.

DPs 9 (Upland)

This point was somewhat influenced by human activity on the PID directly to the north, although forest habitat was fairly mature. Hydrological indicators consisted only of SVD. Soils had low chromas but also low value so were not Depleted Matrices. Vegetation was dominanted by typical forest species such as Starflower (*Trientalis borealis*) and Wild Lilly of the Valley (*Maianthemum canadense*).

DP 11 (Upland)

This point was also influenced by human activity on the PID directly to the north. The only hydrological markers were Water Stained Leaves in SVDs, and these were somewhat obscured. Soils were depleted but depleted horizons were thin. Much of the soil matrix was not depleted. Organics on the surface appeared to be peaty and dried-down.

Discussion

The delineation began at the northeast corner where the boundary was clear between the bog and upland forest. This boundary was followed south into the open bog by the powerline where a large culvert was noted. The boundary then turned to follow the edge of a dirt road along the south side of the wetland. This area was highly disturbed.

The western edge was delineated by beginning with marshy habitat which was associated with a culvert in the southwest corner of the PID. This edge was followed up the west side through shrubby transitional habitat to the deforested PID to the north. The northern boundary was briefly delineated as it paralleled the PID boundary as well. This boundary was obscured by atypical indicators.

The majority of the northern boundary of the PID was embedded in wetland habitat.

The small portion of wetland in the southeastern corner was added later since it was dissociated from the rest of the wetland by the dirt road. Ditching here was particularly deep and habitats were dried-down.

Conclusion

Approximately 3 Hectares of wetland was identified and delineated on the PID. This wetland is known to continue onto the PID to immediately to the north as per a previous delineation conducted by Overdale.

Wetland habitats included intact Bog and Shrub Swamp as well as heavily impacted marshy shrubby habitat where indicators were considered to be atypical due to nearby development of new residential subdivisions.

Closing

We trust this information meets your current needs. Please feel free to contact us via telephone at (506) 227-7605 or by email at tpopma@nb.sympatico.ca with any questions or comments.

Sincerely,

Theo Popma BSc, MSc.
President, Overdale Environmental Inc.

APPENDIX A

FIGURES

APPENDIX A: FIGURES

Figure 1. Survey Area

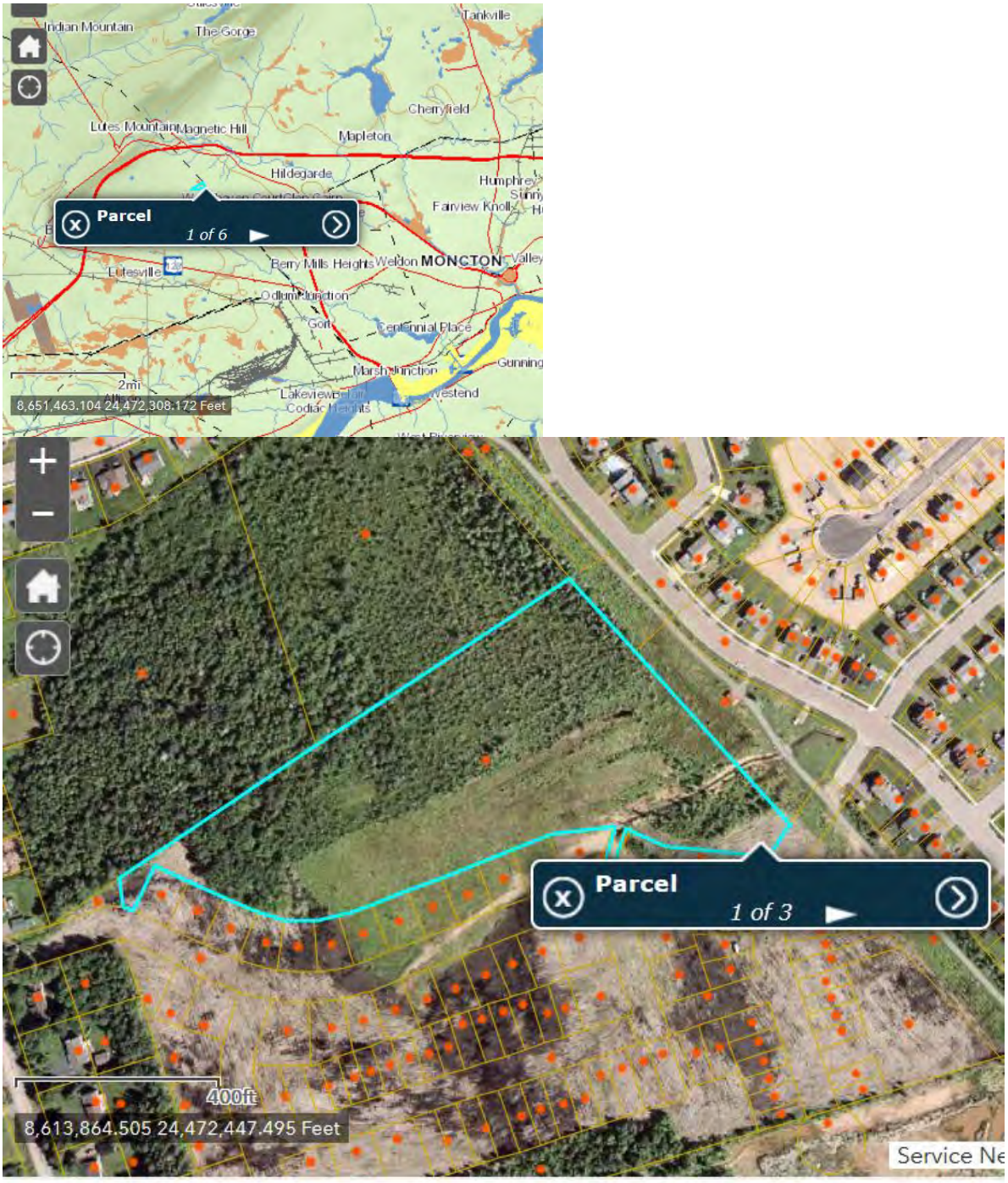

Figure 1	Survey Location		Overdale Environmental Inc.

Figure 2. GeoNB Wetlands Map

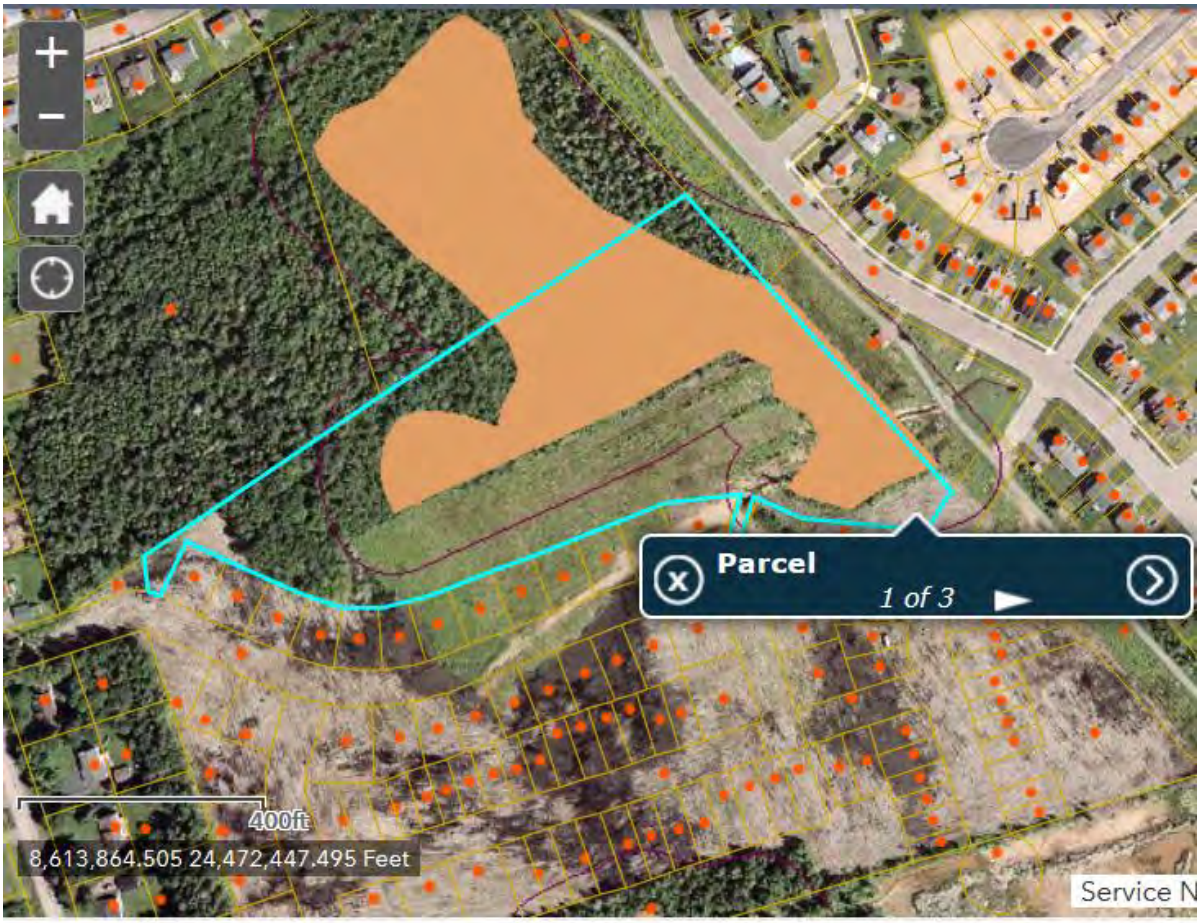

Figure 2	GeoNB Wetland Map		Overdale Environmental Inc.

Figure 3. Wetland Delineation Schematic.

Figure 3	Wetland Delineation Schematic	Blue Polygon: Wetland Blue Line: Ditch channel Blue Points: Wetland Datapoints White Points: Upland Datapoints White Line: PID Boundary	

APPENDIX B

DATAPOINT PHOTOS

Datapoint 1	Upland		Overdale Environmental Inc.

Datapoint 2	Wetland		Overdale Environmental Inc.

Datapoint 3	Wetland		Overdale Environmental Inc.

Datapoint 4	Wetland		Overdale Environmental Inc.

Datapoint 5	Wetland		Overdale Environmental Inc.

Datapoint 6	Wetland		Overdale Environmental Inc.

Datapoint 7	Wetland		Overdale Environmental Inc.

Datapoint 8	Upland		Overdale Environmental Inc.

Datapoint 9	Upland		Overdale Environmental Inc.

Datapoint 10	Wetland		Overdale Environmental Inc.

Datapoint 11	Upland		Overdale Environmental Inc.

Datapoint 12	Wetland		Overdale Environmental Inc.

Datapoint 13	Upland		Overdale Environmental Inc.

APPENDIX C

WETLAND DATASHEETS

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	1	Page	1	WPT #: 42
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma						
County:	Westmorland			Coordinates:	2625297.71; 7459326.16						
PID 70629431				Do normal environmental conditions exist on-site?			Yes	x	No		
If no, explain:											
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage							
Is this a potential **Problem Area?**		Yes	No x	Explain:							

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes		No	x	
Hydric Soils	Yes		No	x	**YES** x **NO**

Wetland Type:
Rational for Determination:

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*Abies balsamea*	10		x	*fac*
2	*Picea rubens*	10		x	*fac*
3	*Betula papyrifera*	5		x	*facu*
4					
5					
6					
		25	=	**Total Cover**	
	Shrub Stratum: (Plot size: 5m2)				
1	*Viburnum nudum*	20		x	*fac*
2	*Abies balsamea*	15		x	*fac*
3	*Prunus virginiana*	10		x	*fac*
4					
5					
		45	=	**Total Cover**	
	Herb Stratum: (Plot Size: 1m2)				
1	*Kalmia angustifolia*	10		x	*fac*
2	*Vaccinium angustifolium*	10		x	*fac*
3	*Cornus canadensis*	10		x	*fac*
4					
5					
		30	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	8
Total # of Dominant Species across all strata:	9
% of Dominant Species that are OBL,FACW,FAC:	88.9

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 1 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	

A>B:=hydric

Field Observations:

Surface Water Present?	Yes		No	x	Depth
Saturation Present?	Yes		No	x	Depth
High Watertable Present?	Yes		No	x	Depth

Wetland Hydrology Present? **Yes** **No** x

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 5cm	organic							
5 to 20	7.5 YR 5/3	60	7.5YR 5/2	40				
20 -	7.5 YR 4/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		Coast Prairie Redox (A16)
	Black Histic (A3)		Dark Surfaces (S7)		5cm Mucky Peat or Peat (S3)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		Iron-Manganese Masses (F12)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Piedmont Floodplain Soils (F19)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Red Parent Material (F21)
	Thick Dark Surface (A12)		Depleted Matrix (F3)		Very Shallow Dark Surface (F22)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Other (explain)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed): Depth: **Hydric Soil Present?** **Yes** **No** x

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	2	Page	1	WPT #: 43
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma						
County:	Westmorland			Coordinates:	2625283.75; 7459309.64						
PID 70629431				Do normal environmental conditions exist on-site?			Yes	x	No		
If no, explain:											
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage							
Is this a potential **Problem Area?**		Yes	No x	Explain:							

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes	x	No		x **YES** **NO**

Wetland Type: Shrub/Forested Wetland
Rational for Determination: Forested at edge, low shrub in middle

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1	*Larix laricina*	5	x	*fac*
2				
3				
4				
5				
6				
		5	= **Total Cover**	
	Shrub Stratum: (Plot size: 5m2)			
1	*Acer rubrum*	10		*fac*
2	*Betula populifolia*	10		*fac*
3	*Abies balsamea*	10		*fac*
4	*Larix laricina*	10		*fac*
5	*Rhododendron canadense*	15	x	*fac*
		55	= **Total Cover**	
	Herb Stratum: (Plot Size: 1m2)			
1	*Chamaedaphne calyculata*	40	x	*obl*
2	*Calamagrostis canadensis*	5		*facw*
3				
4				
5				
		45	= **Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	3
Total # of Dominant Species across all strata:	3
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 2 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
x	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes		No	x	Depth
Saturation Present?	Yes	x	No		Depth 0cm
High Watertable Present?	Yes		No	x	Depth

Wetland Hydrology Present? **Yes** **No**

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 20cm	organic							
20 -	10YR 5/2							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No**

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	3	Page	1	WPT #:	64
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma							
County:	Westmorland			Coordinates:	2625229.48; 7459275.17							
PID	70629431			Do normal environmental conditions exist on-site?				Yes	x	No		
If no, explain:												
Atypical Situation?	Yes	x	No		Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage						
Is this a potential **Problem Area?**			Yes		No	x	Explain:					

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes	x	No		

Wetland Determination

x **YES** **NO**

Wetland Type: Shrub Swamp

Rational for Determination: shrub-dominated wetland

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1					
2					
3					
4					
5					
6					
		0	=	**Total Cover**	
	Shrub Stratum: (Plot size: 5m2)				
1	*Rhododendron canadense*	15		x	*fac*
2	*Alnus incana*	15		x	*facw*
3	*Betula populifolia*	15		x	*fac*
4	*Acer rubrum*	15		x	*fac*
5					
		60	=	**Total Cover**	
	Herb Stratum: (Plot Size: 1m2)				
1	*Kalmia angustifolia*	15		x	*fac*
2	*Calamagrostis canadensis*	10		x	*facw*
3					
4					
5					
		25	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	6
Total # of Dominant Species across all strata:	6
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 3 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
x	High Water Table (A2)	___	Aquatic Fauna (B13)
x	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes	___	No	x	Depth	___			
Saturation Present?	Yes	x	No	___	Depth	0cm			
High Watertable Present?	Yes	x	No	___	Depth	15cm	**Wetland Hydrology Present?**	**Yes**	x **No** ___

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 30cm	organic							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

x	Histosol (A1)				
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)		
___	Black Histic (A3)	___	Dark Surfaces (S7)	___	Coast Prairie Redox (A16)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)	___	5cm Mucky Peat or Peat (S3)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)	___	Iron-Manganese Masses (F12)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)	___	Piedmont Floodplain Soils (F19)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)	___	Red Parent Material (F21)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)	___	Very Shallow Dark Surface (F22)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)	___	Other (explain)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No** ___

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton		Date:	26-Jun-21	Sample Point:	4	Page	1	WPT #: 65
Client/owner:	CVR Homes		Field Investigator(s):	Theo Popma					
County:	Westmorland		Coordinates:	2625245.15; 7459242.59					
PID 70629431			Do normal environmental conditions exist on-site?			Yes	x	No	
If no, explain:									
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage					
Is this a potential **Problem Area?**		Yes	No x	Explain:					

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No	***Wetland Determination***	
Wetland Hydrology	Yes x	No		
Hydric Soils	Yes x	No	x **YES**	**NO**

Wetland Type: Shrub swamp

Rational for Determination: few trees, mostly shrub dominated wetland

Vegetation

		%Cover	Dominant Species	Indicator Status
Tree Stratum: (Plot size: 9m2)				
1	*Larix laricina*	15	x	*fac*
2				
3				
4				
5				
6				
		15 =	**Total Cover**	
Shrub Stratum: (Plot size: 5m2)				
1	*Populus tremuloides*	15	x	*fac*
2	*Acer rubrum*	15	x	*fac*
3	*Alnus incana*	15	x	*facw*
4	*Rhododendron canadense*	15	x	*fac*
5				
		60 =	**Total Cover**	
Herb Stratum: (Plot Size: 1m2)				
1	*Chamaedaphne calyculata*	5	x	*obl*
2	*Calamagrostis canadensis*	5	x	*facw*
3				
4				
5				
		10 =	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	7
Total # of Dominant Species across all strata:	7
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 4 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
x	High Water Table (A2)	___	Aquatic Fauna (B13)
x	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes ___	No x	Depth ___				
Saturation Present?	Yes x	No ___	Depth 0				
High Watertable Present?	Yes x	No ___	Depth 15	**Wetland Hydrology Present?**	**Yes**	x	**No** ___

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features			Loc[2]	Texture	Remarks
	Color(moist)	%	Color(moist)	%	Type[1]			
0 to 30cm	organic							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

x	Histosol (A1)				
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)		
___	Black Histic (A3)	___	Dark Surfaces (S7)	___	Coast Prairie Redox (A16)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)	___	5cm Mucky Peat or Peat (S3)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)	___	Iron-Manganese Masses (F12)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)	___	Piedmont Floodplain Soils (F19)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)	___	Red Parent Material (F21)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)	___	Very Shallow Dark Surface (F22)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)	___	Other (explain)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)		

Restrictive Layer Type (if observed ___ Depth: ___ **Hydric Soil Present?** **Yes** x **No** ___

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	5	Page	1	WPT #:	70
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma							
County:	Westmorland			Coordinates:	2625075.98; 7459144.96							
PID 70629431				Do normal environmental conditions exist on-site?				Yes	x	No		
If no, explain:												
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage								
Is this a potential **Problem Area?**		Yes	No x	Explain:								

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		x **YES** ☐ **NO**
Hydric Soils	Yes	x	No		

Wetland Type: Marsh

Rational for Determination: Grassy clearing near culverted drainage ditch

Vegetation

		%Cover		Dominant Species	Indicator Status
Tree Stratum: (Plot size: 9m2)					
1	*Populus tremuloides*	5		x	*fac*
2					
3					
4					
5					
6					
		5	=	**Total Cover**	
Shrub Stratum: (Plot size: 5m2)					
1	*Spiraea tomentosa*	5		x	*fac*
2	*Spiraea alba*	5		x	*fac*
3	*Betula populifolia*	5		x	*fac*
4	*Salix sp.*	5		x	*fac*
5					
		20	=	**Total Cover**	
Herb Stratum: (Plot Size: 1m2)					
1	*Calamagrostis canadensis*	20		x	*facw*
2	*Carex comosa*	20		x	*obl*
3	*Juncus effusus*	15		x	*facw*
4	*Doellingeria umbellata*	10			*fac*
5	*Carex debilis*	5			*fac*
		70	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	8
Total # of Dominant Species across all strata:	8
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 5 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
x	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes		No	x	Depth			
Saturation Present?	Yes		No	x	Depth			
High Watertable Present?	Yes		No	x	Depth		**Wetland Hydrology Present?**	**Yes** x **No**

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 9cm	organic							
9 to 16cm	7.5YR 5/2							
16 -	7.5YR 4/6							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** **Yes** x **No**

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	6	Page	1	WPT #:	89
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma							
County:	Westmorland			Coordinates:	2625146.2; 7459162.63							
PID 70629431				Do normal environmental conditions exist on-site?				Yes	x	No		
If no, explain:												
Atypical Situation?	Yes	x	No		Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage						
Is this a potential **Problem Area?**			Yes		No	x	Explain:					

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes	x	No		x **YES** **NO**

Wetland Type: Shrub Swamp

Rational for Determination: grassy shrubby impacted wetland area

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*none*				
2					
3					
4					
5					
6					
		0	=	**Total Cover**	
	Shrub Stratum: (Plot size: 5m2)				
1	*Betula populifolia*	10		x	*fac*
2	*Acer rubrum*	10		x	*fac*
3	*Populus tremuloides*	10		x	*fac*
4	*Alnus incana*	10		x	*facw*
5	*Spiraea alba*	10		x	*fac*
		50	=	**Total Cover**	
	Herb Stratum: (Plot Size: 1m2)				
1	*Calamagrostis canadensis*	30		x	*facw*
2	*Juncus effusus*	10		x	*facw*
3	*Rubus idaeus*	5			*fac*
4					
5					
		45	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	7
Total # of Dominant Species across all strata:	7
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 6 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
x	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes		No	x	Depth		
Saturation Present?	Yes		No	x	Depth		
High Watertable Present?	Yes		No	x	Depth		**Wetland Hydrology Present?** **Yes** x **No**

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 5cm	organic							
5 to 20	5YR 4/2							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No**

Comments:

refusal at 20cm; infilled

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	7	Page	1	WPT #: 93
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma						
County:	Westmorland			Coordinates:	2625175.73; 7459170.34						
PID 70629431				Do normal environmental conditions exist on-site?			Yes	x	No		
If no, explain:											
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage							
Is this a potential **Problem Area?**		Yes	No x	Explain:							

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes	x	No		x **YES** ☐ **NO**

Wetland Type: Shrubby swamp
Rational for Determination: cutover atypical wetland

Vegetation

		%Cover		Dominant Species	Indicator Status
Tree Stratum: (Plot size: 9m2)					
1	*none*	15		x	*#N/A*
2					*#N/A*
3					*#N/A*
4					*#N/A*
5					*#N/A*
6					*#N/A*
		15	=	**Total Cover**	
Shrub Stratum: (Plot size: 5m2)					
1	*Betula populifolia*	15		x	*fac*
2	*Larix laricina*	15		x	*fac*
3	*Acer rubrum*	15		x	*fac*
4	*Spiraea tomentosa*	15		x	*fac*
5	*Spiraea alba*	15		x	*fac*
		75	=	**Total Cover**	
Herb Stratum: (Plot Size: 1m2)					
1	*Doellingeria umbellata*	10		x	*fac*
2	*Chamaedaphne calyculata*	10		x	*obl*
3	*Calamagrostis canadensis*	10		x	*facw*
4	*Solidago rugosa*	10		x	*fac*
5					
		40	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	9
Total # of Dominant Species across all strata:	9
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 7 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes		No	x	Depth		
Saturation Present?	Yes		No	x	Depth		
High Watertable Present?	Yes		No	x	Depth		**Wetland Hydrology Present?** **Yes** x **No**

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 10cm	organic							
10 to	5YR 4/2							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No**

Comments:

Project Site: Woodhaven, Magnetic Hill, Moncton	Date: 26-Jun-21	Sample Point: 8	Page 1	WPT #:	101
Client/owner: CVR Homes	Field Investigator(s): Theo Popma				
County: Westmorland	Coordinates: 2625251.93; 7459202.26				
PID 70629431	Do normal environmental conditions exist on-site?	Yes [x]	No [ ]		

If no, explain:

Atypical Situation? Yes [x] No [ ] Explain: Ditching, roadways, infilling, excavation, deforestation, artificial drainage

Is this a potential **Problem Area?** Yes [ ] No [x] Explain:

Wetland Determination
(Check One Only For Each Criteria)

	Yes	No
Dominant Hydrophytic Vegetation (50/20 rule)	x	
Wetland Hydrology		x
Hydric Soils		x

Wetland Determination

[ ] **YES** [x] **NO**

Wetland Type:

Rational for Determination:

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1	*none*			
2				
3				
4				
5				
6				
		0	= **Total Cover**	

	Shrub Stratum: (Plot size: 5m2)	%Cover	Dominant Species	Indicator Status
1	*Betula populifolia*	75	x	*fac*
2	*Spiraea alba*	15		*fac*
3				
4				
5				
		90	= **Total Cover**	

	Herb Stratum: (Plot Size: 1m2)	%Cover	Dominant Species	Indicator Status
1	*Rubus allegheniensis*	5	x	*facu*
2	*Symphyotrichum lateriflorum*	5	x	*fac*
3	*Solidago rugosa*	5	x	*fac*
4				
5				
		15	= **Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	3
Total # of Dominant Species across all strata:	4
% of Dominant Species that are OBL,FACW,FAC:	75

Prevalence Index Worksheet:

Total %Cover of:		Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x Rapid Test for Hydrolic Vegetation
x Dominance Test is >50%
___ Prevalence Index is $\leq$3.0[1]
___ Morphological Adaptations[1](explain)
___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 8 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes ___	No x	Depth ___		
Saturation Present?	Yes ___	No x	Depth ___		
High Watertable Present?	Yes ___	No x	Depth ___	**Wetland Hydrology Present?**	**Yes** ___ **No** x

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 11cm	organic							
11 to	5YR 3/3							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)				
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)		
___	Black Histic (A3)	___	Dark Surfaces (S7)	___	Coast Prairie Redox (A16)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)	___	5cm Mucky Peat or Peat (S3)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)	___	Iron-Manganese Masses (F12)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)	___	Piedmont Floodplain Soils (F19)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)	___	Red Parent Material (F21)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)	___	Very Shallow Dark Surface (F22)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)	___	Other (explain)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** ___ **No** x

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	9	Page	1	WPT #:	102
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma							
County:	Westmorland			Coordinates:	2625105.41; 7459187.59							
PID 70629431				Do normal environmental conditions exist on-site?				Yes	x	No		
If no, explain:												
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage								
Is this a potential **Problem Area?**		Yes		No x	Explain:							

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes		No	x	**YES** x **NO**

Wetland Type:
Rational for Determination:

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1	*Acer rubrum*	5	x	*fac*
2	*Abies balsamea*	5	x	*fac*
3	*Populus tremuloides*	5	x	*fac*
4				
5				
6				
		15	= **Total Cover**	
	Shrub Stratum: (Plot size: 5m2)			
1	*Populus tremuloides*	10	x	*fac*
2	*Alnus incana*	10	x	*facw*
3	*Acer rubrum*	10	x	*fac*
4	*Betula populifolia*	10	x	*fac*
5	*Viburnum nudum*	10	x	*fac*
		50	= **Total Cover**	
	Herb Stratum: (Plot Size: 1m2)			
1	*Maianthemum canadense*	5	x	*fac*
2	*Carex trisperma*	5	x	*obl*
3	*Carex intumescens*	5	x	*fac*
4	*Trientalis borealis*	5	x	*fac*
5				
		20	= **Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	13
Total # of Dominant Species across all strata:	13
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 9 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)		
	Drainage Patterns (B10)		Geomorphic Position (D2)		
	Moss Trim Lines (B16)		Shallow Aquitard (D3)		
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)		
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)	A OBL, FACW 0	
	Saturation Visible on Aerial Imagery (C9)			B UPL, FACU 0	

Field Observations: A>B:=hydric

Surface Water Present?	Yes		No	x	Depth				
Saturation Present?	Yes		No	x	Depth				
High Watertable Present?	Yes		No	x	Depth		**Wetland Hydrology Present?**	**Yes** x	**No**

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 2 cm	organic							
2 to 12	10YR 3/2							
12 -	7.5YR 4/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)		Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed): Depth: **Hydric Soil Present?** **Yes** **No** x

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	10	Page	1	WPT #:	107
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma							
County:	Westmorland			Coordinates:	2625110.93; 7459231.5							
PID 70629431				Do normal environmental conditions exist on-site?			Yes	x	No			
If no, explain:												
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage								
Is this a potential **Problem Area?**	Yes	No x	Explain:									

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		x **YES** ☐ **NO**
Hydric Soils	Yes	x	No		

Wetland Type: Marsh
Rational for Determination: Deforested grassy wetland

Vegetation

		%Cover		Dominant Species	Indicator Status
Tree Stratum: (Plot size: 9m2)					
1	*Betula populifolia*	10		x	*fac*
2					
3					
4					
5					
6					
		10	=	**Total Cover**	
Shrub Stratum: (Plot size: 5m2)					
1	*Populus tremuloides*	10		x	*fac*
2	*Betula populifolia*	10		x	*fac*
3	*Salix sp.*	10		x	*fac*
4	*Alnus incana*	10		x	*facw*
5	*Spiraea alba*	10		x	*fac*
		50	=	**Total Cover**	
Herb Stratum: (Plot Size: 1m2)					
1	*Carex trisperma*	50		x	*obl*
2	*Carex canescens*	30		x	*obl*
3	*Calamagrostis canadensis*	10			*facw*
4	*Scirpus microcarpus*	5			*obl*
5					
		95	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	8
Total # of Dominant Species across all strata:	8
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 10 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)		Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)		
	Drainage Patterns (B10)		Geomorphic Position (D2)		
	Moss Trim Lines (B16)		Shallow Aquitard (D3)		
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)		
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)	A OBL, FACW 0	
	Saturation Visible on Aerial Imagery (C9)			B UPL, FACU 0	

Field Observations: A>B:=hydric

Surface Water Present?	Yes		No	x	Depth		**Wetland Hydrology Present?**	**Yes**	x	**No**	
Saturation Present?	Yes		No	x	Depth						
High Watertable Present?	Yes		No	x	Depth						

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features					
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 5cm	organic							
5 - 15	7.5YR 4/1							
15 -	7.5YR 4/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No**

Comments:

disturbed soil filled with brush and grubbings

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21	Sample Point:	11	Page 1	WPT #: 117
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma				
County:	Westmorland			Coordinates:	2625186.36; 7459259.39				
PID 70629431				Do normal environmental conditions exist on-site?		Yes x		No	
If no, explain:									
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage					
Is this a potential **Problem Area?**		Yes	No x	Explain:					

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes	x	No		x **YES** ☐ **NO**

Wetland Type: Shrub swamp
Rational for Determination: dried down shrub swamp

Vegetation

				Dominant		
Tree Stratum: (Plot size: 9m2)		%Cover		Species	Indicator Status	
1	*Betula populifolia*	15		x	*fac*	
2	*Acer rubrum*	5		x	*fac*	
3						
4						
5						
6						
		20	=	**Total Cover**		
Shrub Stratum: (Plot size: 5m2)						
1	*Betula populifolia*	10		x	*fac*	
2	*Acer rubrum*	10		x	*fac*	
3	*Alnus incana*	15		x	*facw*	
4	*Spiraea alba*	5			*fac*	
5						
		40	=	**Total Cover**		
Herb Stratum: (Plot Size: 1m2)						
1	*Rubus idaeus*	5		x	*fac*	
2	*Equisetum sylvaticum*	5		x	*fac*	
3	*Glyceria canadensis*	5		x	*obl*	
4						
5						
		15	=	**Total Cover**		

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	8
Total # of Dominant Species across all strata:	8
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 11 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)	x	Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes		No	x	Depth			
Saturation Present?	Yes		No	x	Depth			
High Watertable Present?	Yes		No	x	Depth		**Wetland Hydrology Present?**	**Yes** x **No**

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 10cm	Organic							
10 to 15	10YR 4/1							
15 to	10YR 4/1	50	10YR 4/4	50				

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** **Yes** x **No**

Comments:

Project Site:	Woodhaven, Magnetic Hill, Moncton			Date:	26-Jun-21		Sample Point:	12	Page	1	WPT #:	127
Client/owner:	CVR Homes			Field Investigator(s):	Theo Popma							
County:	Westmorland			Coordinates:	2625384.79; 7459203.75							
PID 70629431				Do normal environmental conditions exist on-site?			Yes	x	No			
If no, explain:												
Atypical Situation?	Yes x	No	Explain:	Ditching, roadways, infilling, excavation, deforestation, artificial drainage								
Is this a potential **Problem Area?**	Yes	No x	Explain:									

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		***Wetland Determination***
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes	x	No		x **YES** ☐ **NO**

Wetland Type: Forested Wetland

Rational for Determination: Dried-down forested wetland and shrubby bog

Vegetation

		%Cover		Dominant Species	Indicator Status
Tree Stratum: (Plot size: 9m2)					
1	*Picea rubens*	10		x	*fac*
2					
3					
4					
5					
6					
		10	=	**Total Cover**	
Shrub Stratum: (Plot size: 5m2)					
1	*Rhododendron canadense*	25		x	*fac*
2	*Viburnum nudum*	10			*fac*
3	*Picea rubens*	10			*fac*
4	*Spiraea alba*	10			*fac*
5	*Betula populifolia*	10			*fac*
		65	=	**Total Cover**	
Herb Stratum: (Plot Size: 1m2)					
1	*Chamaedaphne calyculata*	5		x	*obl*
2	*Cornus canadensis*	5		x	*fac*
3	*Kalmia angustifolia*	5		x	*fac*
4					
5					
		15	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	5
Total # of Dominant Species across all strata:	5
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 12 Page 2

Primary Hydrological Indicators: (minimum of one is required; check all that apply)

	Surface Water (A1)	x	Water Stained Leaves (B9)
	High Water Table (A2)		Aquatic Fauna (B13)
	Saturation (A3)		Marl Deposits (B15)
	Watermarks		Hydrogen Sulfide Odor (C1)
	Sediment Deposits (B2)		Oxidized Rhizospheres on Living Roots (C3)
	Drift Deposits (B3)		Presence of Reduced Iron (C4)
	Algal Mat of Crust (B4)		Recent Iron reduction in tilled Soils (C6)
	Iron Deposits (B5)		Thin Muck Surface (C7)
	Inundation Visible on Aerial Imagery (B7)		Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

	Surface Soil Cracks (B6)		Stunted or Stressed Plants (D1)
	Drainage Patterns (B10)		Geomorphic Position (D2)
	Moss Trim Lines (B16)		Shallow Aquitard (D3)
	Dry-Season Water Table (C2)		Microtopographic Relief (D4)
	Crayfish Burrows (C8)		FAC-Neutral Test (D5)
	Saturation Visible on Aerial Imagery (C9)		

A	OBL, FACW	0	
B	UPL, FACU	0	
A>B:=hydric			

Field Observations:

Surface Water Present?	Yes		No	x	Depth
Saturation Present?	Yes		No	x	Depth
High Watertable Present?	Yes		No	x	Depth

Wetland Hydrology Present? **Yes** | x | **No**

Comments:

probably a skidder track looking like a s.v.d.

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 3cm	organic							
3 to 8	10YR 4/1							
8 to 20	10YR 4/1	60	7.5YR 4/4	40				
20 -	7.5 YR 4/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

	Histosol (A1)				
	Histic Epipedon (A2)		Stripped Matrix (S6)		
	Black Histic (A3)		Dark Surfaces (S7)		Coast Prairie Redox (A16)
	Hydrogen Sulfide (A4)		Polyvalue Below Surface (S8)		5cm Mucky Peat or Peat (S3)
	Stratified Layers (A5)		Thin Dark Surface (S9)		Iron-Manganese Masses (F12)
	Depleted Below Dark Surface (A11)		Loamy Gleyed Matrix (F2)		Piedmont Floodplain Soils (F19)
	Thick Dark Surface (A12)	x	Depleted Matrix (F3)		Red Parent Material (F21)
	Sandy Mucky Mineral (S1)		Redox Dark Surface (F6)		Very Shallow Dark Surface (F22)
	5cm Mucky Peat or Peat (S3)		Depleted Dark Surface (F7)		Other (explain)
	Sandy Gleyed Matrix (S4)		Redox Depressions (F8)		

Restrictive Layer Type (if observed): Depth: **Hydric Soil Present?** **Yes** | x | **No**

Comments:

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes	x	No		
Wetland Hydrology	Yes	x	No		
Hydric Soils	Yes		No	x	

Wetland Determination

[ ] **YES** [x] **NO**

Wetland Type:

Rational for Determination:

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*none*				
2					
3					
4					
5					
6					
		0	=	**Total Cover**	
	Shrub Stratum: (Plot size: 5m2)				
1	*Betula populifolia*	15		x	*fac*
2	*Spiraea alba*	15		x	*fac*
3	*Rhododendron canadense*	15		x	*fac*
4	*Alnus incana*	15		x	*facw*
5					
		60	=	**Total Cover**	
	Herb Stratum: (Plot Size: 1m2)				
1	*Juncus filiformis*	5		x	*obl*
2	*Chamaedaphne calyculata*	5		x	*obl*
3					
4					
5					
		10	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	6
Total # of Dominant Species across all strata:	6
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Hydrophytic Vegetation Indicators:

x	Rapid Test for Hydrolic Vegetation
x	Dominance Test is >50%
	Prevalence Index is≤3.0[1]
	Morphological Adaptations[1](explain)
	Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Sample Point: 13 Page 2

Primary Hydrological Indicators: (minimum of one is required:check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators: (minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)			
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)			
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)			
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)			
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)	A	OBL, FACW	0
___	Saturation Visible on Aerial Imagery (C9)			B	UPL, FACU	0

Field Observations: A>B:=hydric

Surface Water Present?	Yes	___	No	x	Depth	___					
Saturation Present?	Yes	___	No	x	Depth	___					
High Watertable Present?	Yes	___	No	x	Depth	___	**Wetland Hydrology Present?**	**Yes**	x	**No**	___

Comments:

Soil Profile

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features					
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 10	organic							
10 to	7.5 YR 4/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)				
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)		
___	Black Histic (A3)	___	Dark Surfaces (S7)	___	Coast Prairie Redox (A16)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)	___	5cm Mucky Peat or Peat (S3)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)	___	Iron-Manganese Masses (F12)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)	___	Piedmont Floodplain Soils (F19)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)	___	Red Parent Material (F21)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)	___	Very Shallow Dark Surface (F22)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)	___	Other (explain)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)		

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** ___ **No** x

Comments:

dried down peaty soil in top layer. Atypical

APPENDIX D

BACKGROUND INFORMATION

APPENDIX D: BACKGROUND INFORMATION

Legislation

These identified wetlands are subject to the *Watercourse and Wetland Alteration Regulation* (REG # 90-80), of the New Brunswick *Clean Water Act.* Any proposed alteration within these areas or within the 30 meter regulated upland buffer requires permitting through the Department of Environment, Watercourse and Wetlands Alteration Program. These areas may also be subject to *Environmental Impact Assessment* (REG 87-83) of the New Brunswick *Clean Environment Act* and other *Acts* and Regulations. It is the responsibility of the proponent to ensure that all regulatory requirements are met prior to development within these areas.

Methodology

Surveys were conducted according to the guidelines established by NBDELG based on the US Army Corps of Engineer Wetland Delineation Manual (1987), Field Indicators of Hydric Soils in the United States and Lichvar, 2005. The Flora of NB (Hinds, 2000) was consulted for plant identification.

Datapoints were analyzed for soil, hydrology and vegetation characteristics at several different locations (Figure 3). Color of soil strata are described in terms of texture, ‘value’ and ‘chroma’ according to a Munsell Soil Color Chart. The wetland delineation line was then completed by walking with a handheld Garmin 64ST GPS unit.

Datapoint locations and boundary-flag positions are provided as an attachment to this digital document as a Google Earth File. Coordinates are in UTM NAD83.

Wetland habitat was identified by establishing the presence of dominating hydric vegetation, of hydric soils and of hydrological markers such as surface water, soil saturation and channeling. The wetland edge was identified with paired Data Points (DPs) (wetland and upland) which straddled the boundary. Data sheets are included in Appendix C.

Sources:

The Canadian Wetland Classification System, 2nd ed. 1997. National Wetlands Working Group. Wetlands Research Center, University of Waterloo, ONT.
Environmental Laboratory. (1987). "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.
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Hinds, H. 2000. The Flora of New Brunswick.
Lichvar, R., 2005. Wetland Identification, Delineation and Classification. Humbolt Field Research Institute, Steuben, ME, USA.
U.S. Army Corps of Engineers. 200X. *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-0X-XX. Vicksburg, MS: U.S. Army Engineer Research and Development Center.
US Army Corps of Engineer Wetland Delineation Manual. 1987.
US Department of Fish and Wildlife. 1988. National List of Plant Species that occur in Wetlands
Regional Supplement to the Corps of Engineers Wetland Delineation Manual:Atlantic and Gulf Coastal Plain Region. 2010

STANDARD WETLAND DELINEATION

Belfry st. Moncton, NB

PID 00939744

June 16, 2020

For

Robert Bouchard
c/o CVR Home Improvements Inc.
46 Diamond Head Ct #113,
Moncton, NB
E1G 5S3

By

Theo Popma MSc. (Wetland Delineator) at Overdale Environmental Inc.
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Table of Contents

Introduction 2
Legislation 2
Site Description 2
Methodology 2
Results 3
Conclusion 3
Closing 4
Sources: 5

Appendix A: Figures
Appendix B: Datapoint and Flag Positions
Appendix C: Wetland Data Sheets
Appendix D: Photos

Introduction:

A Standard Wetland Delineation was conducted by Theo Popma, a recognized Delineator at Overdale Environmental Inc. The property (PID 00939744) is located on Belfry st.in Moncton, NB (Figure 1, Appendix A). The GeoNB wetlands map shows the potential for the presence of wetland on the PID (Figure 2). Note that the wetland polygon from the GeoNB map portal differs slightly from that of the Data Catalogue.

The delineation was conducted in accordance with the NB Wetland Conservation Policy and the Clean Environment Act.

It is recommended that this report be provided by the client to the New Brunswick Dept. of Environment for review.

Legislation

These identified wetlands are subject to the *Watercourse and Wetland Alteration Regulation* (REG # 90-80), of the New Brunswick *Clean Water Act.* Any proposed alteration within these areas or within the 30 meter regulated upland buffer requires permitting through the Department of Environment, Watercourse and Wetlands Alteration Program. These areas may also be subject to *Environmental Impact Assessment* (REG 87-83) of the New Brunswick *Clean Environment Act* and other *Acts* and Regulations. It is the responsibility of the proponent to ensure that all regulatory requirements are met prior to development within these areas.

Site Description (See Photos in Appendix D)

The southern portion of the site is intact but is affected by development on all sides in the form of infilling, resurfacing, ditching and other activities relating to home construction. A portion of previously existing wetland has been altered where an area has been cleared and partially filled. Forests are regenerating mixed hardwoods and softwoods and wetlands are generally dried-down Shrub Swamps where trees are slowly maturing in drier conditions. Marshy conditions persist in disturbed areas.

Methodology

Surveys were conducted according to the guidelines established by NBENV based on the US Army Corps of Engineer Wetland Delineation Manual (1987), Field Indicators of Hydric Soils in the United States and Lichvar, 2005. The Flora of NB (Hinds, 2000) was consulted for plant identification.

Datapoints were analyzed for soil, hydrology and vegetation characteristics at several different locations. Color of soil strata are described in terms of texture, ‘value’ and ‘chroma’ according to a Munsell Soil Color Chart. The wetland

delineation line was then completed by walking with a handheld Garmin GPS unit.

Datapoint locations and boundary-flag positions are listed in Appendix B. Coordinates are in UTM NAD83.

Wetland habitat was identified by establishing the presence of dominating hydric vegetation, of hydric soils and of hydrological markers such as surface water, soil saturation and channeling. The wetland edge was identified with paired Data Points (DPs) (wetland and upland) which straddled the boundary. Data sheets are included in Appendix C.

Results

Approximately 0.7Ha of Wetland habitat was delineated on the site. That includes 0.5Ha of intact Shrub Swamp and 0.2Ha of disturbed Marsh. The boundaries of wetland habitats on the PID are shown in the schematic in Figure 3. Photos of each datapoint location are shown in Appendix D. Below is a description of each Datapoint.

Datapoint 10: Upland

This point indicates the relatively undisturbed forested upland that surrounds wetland habitat on the site. It is dominated by mixed medium aged hardwood and softwood trees as well as typical shrub and herb flora including Wild Raisin (*Viburnum nudum*), Sheep Laurel (Kalmia angustifolia) and Bunchberry (*Cornus canadensis*). Hydrological indicators are generally absent since soils are not saturated and no water table was found after digging to shovel depth. Depletion of soils below Chroma 2 was not observed.

Datapoints 1, 2: Wetland

These points represent intact Forested/Shrub Wetland. This area was probably originally dominated by shrubs but has grown up with large saplings since being recently dried down. It occupies the majority of the southern portion of the site. Soils were saturated and depleted, water tables were high, organic layers were at least 20cm thick and naturally-occurring sparsely vegetated depressions were frequent.

Datapoints 3, 4, 5, 6, 9: Mosaic of complex Uplands

These points were all sampled in heavily disturbed areas. While vegetation and surface characteristics of these points were similar, soil samples showed variation in the color and thickness of layers. Hydrological indicators were also variable where skidder tracks could appear as sparsely vegetated depressions. It

is likely that some small wetland influence is present in these areas especially in early spring but that it cannot be reasonably isolated or delineated.
DPs 7, 8: Wetland

These points represent the area which has been cleared but where wetland conditions still persist in some form. Vegetation is dominated by graminoids commonly found in marshes such as Soft Rush (*Juncus effusus*), Silvery Sedge (*Carex cannescens*) and Canada Bluejoint (*Calamagrostis canadensis*). Soils were, again, variable due to the disturbance and included both depleted and histic horizons. While no saturation, inundation (except for some puddles) or high water table were observed, other hydrological indicators were evident such as drainage channels, cracked soil, sparsely vegetated depressions and water-stained leaves. This is likely due to partial flooding of the area during the spring or in the event of heavy rain.

Conclusion

This Wetland Delineation survey on PID 00939744 identified two major wetland types: Shrub Swamp and Marsh. The swamp was relatively intact but is indirectly impacted by nearby development. Recent tree growth is beginning to dominate the canopy. The marshy area has been heavily impacted by still displays wetland indicators. Other surrounding upland habitat is also heavily impacted by development and can be considered a complex of various soil, surface and vegetative characteristics including roads ditches, berms, tracks etc...

It should be noted that this is considered an Atypical Situation where human impacts affect analysis of wetland indicators.

Closing

I trust this information meets your current needs. Please feel free to contact me via telephone at (506) 227-7605 or by email at tpopma@nb.sympatico.ca if further clarification or explanation is required.

Sincerely,

Theo Popma BSc, MSc.

President, Overdale Environmental Inc.

Sources:

The Canadian Wetland Classification System, 2nd ed. 1997. National Wetlands Working Group. Wetlands Research Center, University of Waterloo, ONT.

Environmental Laboratory. (1987). "Corps of Engineers Wetlands Delineation Manual," Technical Report Y-87-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss.

Field Indicators of Hydric Soils in the United States. 2006.

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Lichvar, R., 2005. Wetland Identification, Delineation and Classification. Humbolt Field Research Institute, Steuben, ME, USA.

U.S. Army Corps of Engineers. 200X. *Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region*, ed. J. S. Wakeley, R. W. Lichvar, and C. V. Noble. ERDC/EL TR-0X-XX. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

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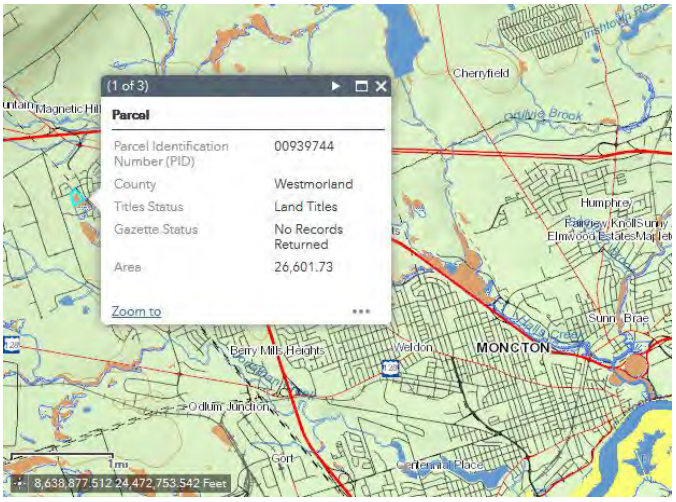
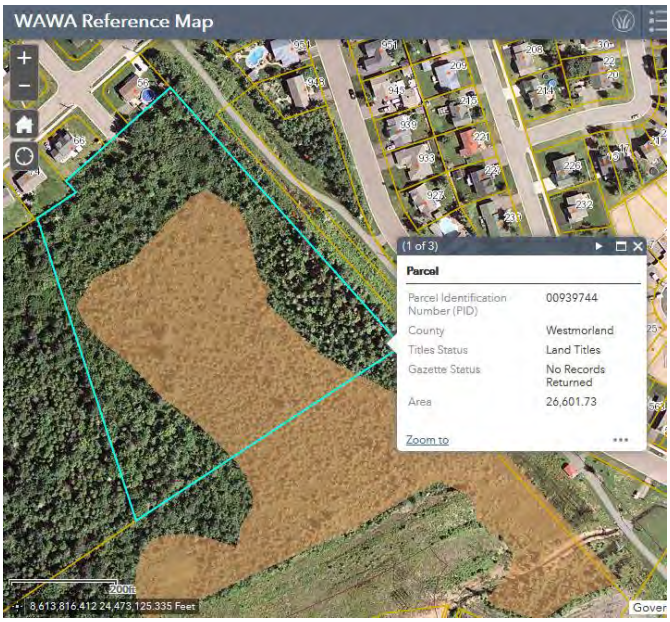
APPENDIX A: FIGURES

Figure 1. Survey Area



CVR Home Improvements Inc.	Figure 1	Project Location	Overdale Environmental Inc.

Figure 2. Wetland Boundary on and near PID 00939744 according to GeoNB and the GeoNB Data Catalogue



CVR Home Improvements Inc.	Figure 2	Top:GeoNB Wetlands Map Bottom: GeoNB Data Catalogue	Overdale Environmental Inc.

Figure 3. Wetland Delineation Schematic

CVR Home Improvements Inc.	Figure 3	WL polygon and Datapoints	Overdale Environmental Inc.

APPENDIX B: DATAPOINT AND FLAG POSITIONS

Boundary Points

Label	Latitude	Longitude
457	46.122489	-64.879113
458	46.122564	-64.879203
459	46.122645	-64.879337
460	46.122678	-64.87935
461	46.12263	-64.879476
462	46.122704	-64.879656
463	46.122769	-64.879678
464	46.12285	-64.879773
465	46.122928	-64.879842
466	46.122836	-64.879992
467	46.122781	-64.880073
481	46.122741	-64.880089
482	46.122641	-64.880182
483	46.122553	-64.880266
484	46.122469	-64.880353
485	46.12253	-64.880432
486	46.12259	-64.880398
487	46.122648	-64.880434
488	46.122646	-64.880473
489	46.122691	-64.880531
490	46.122679	-64.880573
491	46.122693	-64.880633
492	46.122718	-64.88066
493	46.122728	-64.880636
494	46.122773	-64.880623
495	46.122829	-64.880687
496	46.122843	-64.880771
497	46.122919	-64.880852
498	46.122956	-64.880913
499	46.122964	-64.881024
500	46.12284	-64.880977
501	46.122666	-64.880906
502	46.12259	-64.880867
503	46.122526	-64.880863
504	46.122469	-64.88084
505	46.122369	-64.880783
506	46.122326	-64.880715
507	46.12231	-64.880503
508	46.122221	-64.880429
509	46.122116	-64.8804
510	46.121909	-64.880339
511	46.122017	-64.880326

Datapoints

Label	Name on GPS	Latitude	Longitude
1	456	46.122553	-64.879243
2	468	46.122536	-64.87995
3	471	46.12344	-64.881059
4	472	46.123296	-64.88116
5	473	46.122104	-64.880898
6	474	46.12189	-64.880672
7	478	46.122463	-64.880557
8	479	46.122728	-64.880734
9	480	46.122742	-64.880107
10	449	46.12316	-64.87962

APPENDIX C: WETLAND DATASHEETS

Project Site:	Belfry st., Moncton		Date:	11-Jun-20	Sample Point:	1	Page #: 1
Client/owner:	Robert Bouchard		Field Investigator(s):	Theo Popma			
County:	Westmorland		Coordinates:	46.12255; 64.87924			
PID	939744		Do normal environmental conditions exist on-site?		Yes [x]	No [ ]	

If no, explain:

Atypical Situation? Yes [x] No [ ] Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes [ ] No [x] Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes [x]	No [ ]
Wetland Hydrology	Yes [x]	No [ ]
Hydric Soils	Yes [x]	No [ ]

Wetland Determination

[x] **YES** [ ] **NO**

Wetland Type: Shrub Swamp

Rational for Determination: Shrub dominated wetland

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*Larix laricina*	15		x	*fac*
2	*Acer rubrum*	5			*fac*
3	*Betula populifolia*	5			*fac*
4	*Picea rubens*	5			*fac*
5					
6					
		30	=	**Total Cover**	
	Shrub Stratum: (Plot size: 5m2)				
	Alnus incana	20		x	*facw*
	Kalmia angustifolia	10		x	*fac*
1	*Larix laricina*	10		x	*fac*
2	*Acer rubrum*	10		x	*fac*
3	*Betula populifolia*	10		x	*fac*
4	*Spiraea alba*	10		x	*fac*
5	*Viburnum nudum var. cassinoi*	10		x	*fac*
		50	=	**Total Cover**	
	Herb Stratum: (Plot Size: 1m2)				
1	*Iris versicolor*	10		x	*facw+*
2	*Calamagrostis canadensis*	10		x	*facw*
3					
4					
5					
		20	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	13
Total # of Dominant Species across all strata:	13
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- [x] Rapid Test for Hydrolic Vegetation
- [x] Dominance Test is >50%
- [ ] Prevalence Index is≤3.0[1]
- [ ] Morphological Adaptations[1](explain)
- [ ] Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Page #: 2

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
x	High Water Table (A2)	___	Aquatic Fauna (B13)
x	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes ___	No x	Depth ___						
Water Table Present?	Yes x	No ___	Depth 30	**Wetland Hydrology Present?**	**Yes**	x	**No** ___		
Saturation Present?	Yes x	No ___	Depth 0						

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features					
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 20							Organic Sphagnum	
20 to 30cm	7.5YR 5/2						Sandy clay	

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
x	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No** ___

Comments:

Project Site:	Belfry st., Moncton	Date:	11-Jun-20	Sample Point: 2	Page #: 1
Client/owner:	Robert Bouchard	Field Investigator(s):	Theo Popma		
County:	Westmorland	Coordinates:	46.12254; 64.87995		
PID 939744		Do normal environmental conditions exist on-site?	Yes x	No	

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes x	No
Hydric Soils	Yes x	No

Wetland Determination

x **YES** **NO**

Wetland Type: Forested Wetland

Rational for Determination: Trees and saplings present

Vegetation					
Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status	
1 *Larix laricina*	5		x	*fac*	
2 *Acer rubrum*	5		x	*fac*	
3 *Betula populifolia*	5		x	*fac*	
4					
5					
6					
	15	=	**Total Cover**		
Shrub Stratum: (Plot size: 5m2)					
Spiraea alba				*fac*	
1 *Larix laricina*	5		x	*fac*	
2 *Acer rubrum*	5		x	*fac*	
3 *Betula populifolia*	5		x	*fac*	
4 *Alnus incana*	5		x	*facw*	
5 *Rhododendron canadense*	5		x	*fac*	
	25	=	**Total Cover**		
Herb Stratum: (Plot Size: 1m2)					
1 *Kalmia angustifolia*	5		x	*fac*	
2 *Maianthemum trifolium*	5		x	*obl*	
3 *Calamagrostis canadensis*	5		x	*facw*	
4 *Osmunda cinnamomea*	5		x	*fac*	
5					
	20	=	**Total Cover**		

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	13
Total # of Dominant Species across all strata:	13
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
x	High Water Table (A2)	___	Aquatic Fauna (B13)
x	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes	___	No	x	Depth	___			
Water Table Present?	Yes	x	No	___	Depth	24	**Wetland Hydrology Present?**	**Yes** x	**No** ___
Saturation Present?	Yes	x	No	___	Depth	0			

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 20cm							organic	
20 -	10YR 5/2							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
x	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** | **Yes** x | **No** ___

Comments:

Project Site:	Belfry st., Moncton		Date:	11-Jun-20	Sample Point:	3	Page #: 1
Client/owner:	Robert Bouchard		Field Investigator(s):	Theo Popma			
County:	Westmorland		Coordinates:	46.12344; 64.88106			
PID	939744		Do normal environmental conditions exist on-site?		Yes [x]	No [ ]	
If no, explain:							
Atypical Situation?	Yes [x]	No [ ]	Explain:	Infilling, ditching, bulldozing			
Is this a potential **Problem Area?**		Yes [ ]	No [x]	Explain:			

Wetland Determination
(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes [x]	No [ ]
Wetland Hydrology	Yes [ ]	No [x]
Hydric Soils	Yes [ ]	No [x]

Wetland Determination

[ ] **YES** [x] **NO**

Wetland Type:

Rational for Determination:

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*Betula populifolia*	15		x	*fac*
2	*Acer rubrum*	10		x	*fac*
3					
4					
5					
6					
		25	=	**Total Cover**	

	Shrub Stratum: (Plot size: 5m2)				
	Ilex verticillata	10		x	*facw+*
1	*Betula populifolia*	20		x	*fac*
2	*Acer rubrum*	10		x	*fac*
3	*Spiraea alba*	5		x	*fac*
4	*Populus tremuloides*	10		x	*fac*
5	*Viburnum nudum*	5		x	*fac*
		50	=	**Total Cover**	

	Herb Stratum: (Plot Size: 1m2)				
1	*Calamagrostis canadensis*	20		x	*facw*
2	*Onoclea sensibilis*	20		x	*facw*
3	*Doellingeria umbellata*	10		x	*fac*
4	*Pteridium aquilinum*	10		x	*facu*
5	*Aralia nudicaulis*	5		x	*fac*
		65	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC: 12

Total # of Dominant Species across all strata: 13

% of Dominant Species that are OBL,FACW,FAC: 92.3

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- [x] Rapid Test for Hydrolic Vegetation
- [x] Dominance Test is >50%
- [ ] Prevalence Index is≤3.0[1]
- [ ] Morphological Adaptations[1](explain)
- [ ] Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes x No

Hydrology Page #: 2

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___ Surface Water (A1)	___ Water Stained Leaves (B9)
___ High Water Table (A2)	___ Aquatic Fauna (B13)
___ Saturation (A3)	___ Marl Deposits (B15)
___ Watermarks	___ Hydrogen Sulfide Odor (C1)
___ Sediment Deposits (B2)	___ Oxidized Rhizospheres on Living Roots (C3)
___ Drift Deposits (B3)	___ Presence of Reduced Iron (C4)
___ Algal Mat of Crust (B4)	___ Recent Iron reduction in tilled Soils (C6)
___ Iron Deposits (B5)	___ Thin Muck Surface (C7)
___ Inundation Visible on Aerial Imagery (B7)	___ Other (Explain in Remarks)
___ Sparsely Vegetated Concave Surface (B8)	

Secondary Indicators:(minimum of two required)

___ Surface Soil Cracks (B6)	___ Stunted or Stressed Plants (D1)
___ Drainage Patterns (B10)	___ Geomorphic Position (D2)
___ Moss Trim Lines (B16)	___ Shallow Aquitard (D3)
___ Dry-Season Water Table (C2)	___ Microtopographic Relief (D4)
___ Crayfish Burrows (C8)	___ FAC-Neutral Test (D5)
___ Saturation Visible on Aerial Imagery (C9)	

Field Observations:

Surface Water Present? Yes ___ No x Depth ___

Water Table Present? Yes ___ No x Depth ___ **Wetland Hydrology Present?** **Yes** ___ **No** x

Saturation Present? Yes ___ No x Depth ___

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features					
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 12							Organic	
12 to 15cm	10YR 5/2	50	7.5YR 5/4				clay	
15 to 30	7.5 YR 5/4						clay	

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___ Histosol (A1)	___ Sandy Redox (S5)
___ Histic Epipedon (A2)	___ Stripped Matrix (S6)
___ Black Histic (A3)	___ Dark Surfaces (S7)
___ Hydrogen Sulfide (A4)	___ Polyvalue Below Surface (S8)
___ Stratified Layers (A5)	___ Thin Dark Surface (S9)
___ Depleted Below Dark Surface (A11)	___ Loamy Gleyed Matrix (F2)
___ Thick Dark Surface (A12)	___ Depleted Matrix (F3)
___ Sandy Mucky Mineral (S1)	___ Redox Dark Surface (F6)
___ 5cm Mucky Peat or Peat (S3)	___ Depleted Dark Surface (F7)
___ Sandy Gleyed Matrix (S4)	___ Redox Depressions (F8)

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** ___ **No** x

Comments:

Project Site:	Belfry st., Moncton	Date:	11-Jun-20	Sample Point: 4	Page #: 1
Client/owner:	Robert Bouchard	Field Investigator(s):	Theo Popma		
County:	Westmorland	Coordinates:	46.1233; 64.88116		
PID 939744		Do normal environmental conditions exist on-site?		Yes x	No

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes x	No
Hydric Soils	Yes	No x

Wetland Type:

Rational for Determination:

Wetland Determination

YES x NO

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover	Dominant Species	Indicator Status
1	*Acer rubrum*	5	x	*fac*
2				
3				
4				
5				
6				
		5 =	**Total Cover**	

	Shrub Stratum: (Plot size: 5m2)			
	Rubus idaeus	10	x	*fac*
1	*Betula populifolia*	10	x	*fac*
2	*Alnus incana*	15	x	*facw*
3	*Acer rubrum*	10	x	*fac*
4	*Salix bebbiana*	5	x	*fac*
5	*Spiraea tomentosa*	5	x	*fac*
		45 =	**Total Cover**	

	Herb Stratum: (Plot Size: 1m2)			
1	*Juncus effusus*	10	x	*facw*
2	*Calamagrostis canadensis*	10	x	*facw*
3	*Carex echinata*	5	x	*obl*
4	*Symphyotrichum novi-belgii*	5	x	*fac*
5				
		30 =	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	11
Total # of Dominant Species across all strata:	11
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes x No

Hydrology Page #: 2

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	x	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes ___	No x	Depth ___						
Water Table Present?	Yes ___	No x	Depth ___	**Wetland Hydrology Present?**	**Yes**	x	**No** ___		
Saturation Present?	Yes ___	No x	Depth ___						

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features					
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 5cm	7.5YR 2.5/1						clay	
5 to 10cm	7.5YR 5/4	50	7.5YR 5/1				clay	
10 to	7.5YR 5/4						clay	

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** ___ **No** x

Comments:

value and thickness of depleted layer too small for depleted matrix

Project Site:	Belfry st., Moncton		Date:	11-Jun-20	Sample Point:	5	Page #: 1
Client/owner:	Robert Bouchard		Field Investigator(s):	Theo Popma			
County:	Westmorland		Coordinates:	46.1221; 64.8809			
PID 939744			Do normal environmental conditions exist on-site?		Yes x	No	

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes	No x
Hydric Soils	Yes x	No

Wetland Determination

YES | x | NO

Wetland Type:

Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)		%Cover		Dominant Species	Indicator Status
1					
2					
3					
4					
5					
6					
		0	=	**Total Cover**	
Shrub Stratum: (Plot size: 5m2)					
1	*Viburnum nudum*	10			*fac*
2	*Betula populifolia*	20			*fac*
3	*Acer rubrum*	20			*fac*
4	*Spiraea tomentosa*	10			*fac*
5	*Spiraea alba*	10			*fac*
		70	=	**Total Cover**	
Herb Stratum: (Plot Size: 1m2)					
1	*Comptonia peregrina*	5			*upl*
2	*Calamagrostis canadensis*	25			*facw*
3	*Vaccinium angustifolium*	5			*fac*
4	*Iris versicolor*	2			*facw+*
5					
		37	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	8
Total # of Dominant Species across all strata:	9
% of Dominant Species that are OBL,FACW,FAC:	88.9

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes x No

Hydrology Page #: 2

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	x	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present? Yes ___ No x Depth ___

Water Table Present? Yes ___ No x Depth ___ **Wetland Hydrology Present?** **Yes** ___ **No** x

Saturation Present? Yes ___ No x Depth ___

Comments:

Skidder tracks resemble sparsely vegetated concave depressions but are not the same

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 4cm							Organic	
4 to 6cm	7.5 YR 2.5/1							
6 to 13.5	7.5YR 5/1	30	7.5YR 5/4					
13.5 to	7.5YR 5/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	x	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** x **No** ___

Comments:

Project Site:	Belfry st., Moncton		Date:	11-Jun-20	Sample Point:	6	Page #: 1
Client/owner:	Robert Bouchard		Field Investigator(s):	Theo Popma			
County:	Westmorland		Coordinates:	46.12189; 64.88067			
PID	939744		Do normal environmental conditions exist on-site?		Yes x	No	

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes	No x
Hydric Soils	Yes	No x

Wetland Determination

YES | x | NO

Wetland Type:

Rational for Determination:

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*none*				
2					
3					
4					
5					
6					
		0	=	**Total Cover**	

	Shrub Stratum: (Plot size: 5m2)				
1	*Alnus incana*	15		x	*facw*
2	*Betula populifolia*	20		x	*fac*
3	*Spiraea alba*	5			*fac*
4	*Spiraea tomentosa*	5			*fac*
5	*Acer rubrum*	5			*fac*
		50	=	**Total Cover**	

	Herb Stratum: (Plot Size: 1m2)				
1	*Carex echinata*	5			*obl*
2	*Calamagrostis canadensis*	20		x	*facw*
3	*Symphyotrichum puniceum*	5			*facw*
4	*Vaccinium angustifolium*	5			*fac*
5					
		35	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:

Total # of Dominant Species across all strata:

% of Dominant Species that are OBL,FACW,FAC: ####

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- ___ Rapid Test for Hydrolic Vegetation
- ___ Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes No

Hydrology

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
___	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	x	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes ___	No x	Depth ___						
Water Table Present?	Yes ___	No x	Depth ___	**Wetland Hydrology Present?**	**Yes** ___	**No** x			
Saturation Present?	Yes ___	No x	Depth ___						

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 3cm							Organic	
3 to 10cm	7.5YR 2.5/1							
10cm -	7.5YR 5/8							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** | **Yes** ___ | **No** x

Comments:

Project Site:	Belfry st., Moncton	Date:	11-Jun-20	Sample Point: 7	Page #: 1
Client/owner:	Robert Bouchard	Field Investigator(s):	Theo Popma		
County:	Westmorland	Coordinates:	46.12246; 64.88056		
PID 939744		Do normal environmental conditions exist on-site?	Yes x	No	

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes x	No
Hydric Soils	Yes x	No

Wetland Type: Marsh

Rational for Determination: Grmainoid vegetation dominant

Wetland Determination

x **YES** **NO**

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*none*				
2					
3					
4					
5					
6					
		0	=	**Total Cover**	

	Shrub Stratum: (Plot size: 5m2)				
1	*Populus tremuloides*	5		x	*fac*
2	*Betula populifolia*	5		x	*fac*
3	*Salix bebbiana*	5		x	*fac*
4	*Spiraea alba*	5		x	*fac*
5					
		20	=	**Total Cover**	

	Herb Stratum: (Plot Size: 1m2)				
1	*Calamagrostis canadensis*	10		x	*facw*
2	*Juncus effusus*	10		x	*facw*
3	*Juncus tenuis*	10		x	*fac*
4	*Juncus articulatus*	10		x	*obl*
5	*Eupatorium perfoliatum*	5			*facw*
		45	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC: 8

Total # of Dominant Species across all strata: 8

% of Dominant Species that are OBL,FACW,FAC: 100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

x Rapid Test for Hydrolic Vegetation

x Dominance Test is >50%

___ Prevalence Index is≤3.0[1]

___ Morphological Adaptations[1](explain)

___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

x	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
x	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	x	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes___	No	x	Depth	___				
Water Table Present?	Yes___	No	x	Depth	___	**Wetland Hydrology Present?**	**Yes**	x	**No** ___
Saturation Present?	Yes___	No	x	Depth	___				

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 1cm							Organic	
1 to 6cm	7.5YR 5/1	20	7.5YR 5/8					
6 -	7.5YR 5/8							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	x	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** | **Yes** | x | **No** ___

Comments:

Project Site:	Belfry st., Moncton	Date:	11-Jun-20	Sample Point: 8	Page #: 1
Client/owner:	Robert Bouchard	Field Investigator(s):	Theo Popma		
County:	Westmorland	Coordinates:	46.12273; 64.88073		
PID 939744		Do normal environmental conditions exist on-site?		Yes x	No

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes x	No
Hydric Soils	Yes x	No

Wetland Type: Marsh

Rational for Determination: Graminoid dominants

Wetland Determination

x **YES** **NO**

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1					
2					
3					
4					
5					
6					
		0	=	**Total Cover**	
	Shrub Stratum: (Plot size: 5m2)				
1	*Salix bebbiana*	10		x	*fac*
2	*Spiraea tomentosa*	5		x	*fac*
3	*Viburnum nudum*	5		x	*fac*
4					
5					
		20	=	**Total Cover**	
	Herb Stratum: (Plot Size: 1m2)				
1	*Carex scabrata*	15		x	*obl*
2	*Calamagrostis canadensis*	25		x	*facw*
3	*Carex echinata*	5			*obl*
4	*Juncus effusus*	10			*facw*
5	*Carex canescens*	5			*obl*
		60	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	8
Total # of Dominant Species across all strata:	8
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Page #: 2

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	___	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

x	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
x	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	x	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes___	No	x	Depth	___				
Water Table Present?	Yes___	No	x	Depth	___	**Wetland Hydrology Present?**	**Yes**	x	**No** ___
Saturation Present?	Yes___	No	x	Depth	___				

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features					
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 30cm							Organic	
30 to	7.5YR 4/1						sand	

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
x	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** | **Yes** | x | **No** ___

Comments:

Project Site:	Belfry st., Moncton	Date:	11-Jun-20	Sample Point: 9	Page #: 1
Client/owner:	Robert Bouchard	Field Investigator(s):	Theo Popma		
County:	Westmorland	Coordinates:	46.12274; 64.88011		
PID 939744		Do normal environmental conditions exist on-site?		Yes x	No

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes x	No
Hydric Soils	Yes	No x

Wetland Type:

Rational for Determination:

Wetland Determination

YES x NO

Vegetation

	Tree Stratum: (Plot size: 9m2)	%Cover		Dominant Species	Indicator Status
1	*none*				
2					
3					
4					
5					
6					
		0	=	**Total Cover**	

	Shrub Stratum: (Plot size: 5m2)				
1	*none*				
2					
3					
4					
5					
		0	=	**Total Cover**	

	Herb Stratum: (Plot Size: 1m2)				
1	*Solidago canadensis*	10		x	*fac*
2	*Trifolium repens*	10		x	*facu*
3	*Festuca rubra*	10		x	*fac*
4	*Tussilago farfara*	10		x	*fac*
5	*Juncus effusus*	10		x	*facw*
		50	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	4
Total # of Dominant Species across all strata:	5
% of Dominant Species that are OBL,FACW,FAC:	80

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? **Yes** x **No**

Hydrology Page #: 2

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___	Surface Water (A1)	x	Water Stained Leaves (B9)
___	High Water Table (A2)	___	Aquatic Fauna (B13)
___	Saturation (A3)	___	Marl Deposits (B15)
___	Watermarks	___	Hydrogen Sulfide Odor (C1)
___	Sediment Deposits (B2)	___	Oxidized Rhizospheres on Living Roots (C3)
___	Drift Deposits (B3)	___	Presence of Reduced Iron (C4)
___	Algal Mat of Crust (B4)	___	Recent Iron reduction in tilled Soils (C6)
___	Iron Deposits (B5)	___	Thin Muck Surface (C7)
___	Inundation Visible on Aerial Imagery (B7)	___	Other (Explain in Remarks)
x	Sparsely Vegetated Concave Surface (B8)		

Secondary Indicators:(minimum of two required)

___	Surface Soil Cracks (B6)	___	Stunted or Stressed Plants (D1)
___	Drainage Patterns (B10)	___	Geomorphic Position (D2)
___	Moss Trim Lines (B16)	___	Shallow Aquitard (D3)
___	Dry-Season Water Table (C2)	___	Microtopographic Relief (D4)
___	Crayfish Burrows (C8)	___	FAC-Neutral Test (D5)
___	Saturation Visible on Aerial Imagery (C9)		

Field Observations:

Surface Water Present?	Yes ___	No x	Depth ___						
Water Table Present?	Yes ___	No x	Depth ___	**Wetland Hydrology Present?**	**Yes**	x	**No**	___	
Saturation Present?	Yes ___	No x	Depth ___						

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 -	7.5YR 5/4						Clay	

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___	Histosol (A1)	___	Sandy Redox (S5)
___	Histic Epipedon (A2)	___	Stripped Matrix (S6)
___	Black Histic (A3)	___	Dark Surfaces (S7)
___	Hydrogen Sulfide (A4)	___	Polyvalue Below Surface (S8)
___	Stratified Layers (A5)	___	Thin Dark Surface (S9)
___	Depleted Below Dark Surface (A11)	___	Loamy Gleyed Matrix (F2)
___	Thick Dark Surface (A12)	___	Depleted Matrix (F3)
___	Sandy Mucky Mineral (S1)	___	Redox Dark Surface (F6)
___	5cm Mucky Peat or Peat (S3)	___	Depleted Dark Surface (F7)
___	Sandy Gleyed Matrix (S4)	___	Redox Depressions (F8)

Restrictive Layer Type (if observed | Depth: | **Hydric Soil Present?** | **Yes** ___ | **No** x

Comments:

Project Site:	Belfry st., Moncton		Date:	11-Jun-20	Sample Point:	10	Page #: 1
Client/owner:	Robert Bouchard		Field Investigator(s):	Theo Popma			
County:	Westmorland		Coordinates:	46.12316; 64.87962			
PID 939744			Do normal environmental conditions exist on-site?		Yes x	No	

If no, explain:

Atypical Situation? Yes x No Explain: Infilling, ditching, bulldozing

Is this a potential **Problem Area?** Yes No x Explain:

Wetland Determination

(Check One Only For Each Criteria)

Dominant Hydrophytic Vegetation (50/20 rule)	Yes x	No
Wetland Hydrology	Yes	No x
Hydric Soils	Yes	No x

Wetland Determination

YES | x | NO

Wetland Type:

Rational for Determination:

Vegetation

Tree Stratum: (Plot size: 9m2)		%Cover		Dominant Species	Indicator Status
1	*Abies balsamea*	20		x	*fac*
2	*Acer rubrum*	20		x	*fac*
3	*Picea glauca*	10			*fac*
4	*Betula populifolia*	10			*fac*
5					
6					
		60	=	**Total Cover**	

Shrub Stratum: (Plot size: 5m2)					
1	*Abies balsamea*	10		x	*fac*
2	*Betula populifolia*	10		x	*fac*
3	*Acer rubrum*	10		x	*fac*
4	*Viburnum nudum*	10		x	*fac*
5					
		40	=	**Total Cover**	

Herb Stratum: (Plot Size: 1m2)					
1	*Kalmia angustifolia*	25		x	*fac*
2	*Vaccinium angustifolium*	25		x	*fac*
3	*Cornus canadensis*	5			*fac*
4					
5					
		55	=	**Total Cover**	

Comments

Dominance Test Worksheet:

# of Dominant Species that are OBL,FACW,FAC:	11
Total # of Dominant Species across all strata:	11
% of Dominant Species that are OBL,FACW,FAC:	100

Prevalence Index Worksheet:

	Total %Cover of:	Multiply by:	
OBL Species		x 1 =	0
FACW Species		x 2 =	0
FAC Species		x 3 =	0
FACU Species		x 4 =	0
ULP Species		x 5 =	0
Column Totals:	0		0

Prevalence Index = B/A = ##

Hydrophytic Vegetation Indicators:

- x Rapid Test for Hydrolic Vegetation
- x Dominance Test is >50%
- ___ Prevalence Index is≤3.0[1]
- ___ Morphological Adaptations[1](explain)
- ___ Problematic Hydrophytic Vegetation[1](explain)

[1]Indicators of hydric soil and weland hydrology must be present, unless disturbed or problematic

Hydrophytic Vegetation Present? Yes x No

Hydrology

Primary Hydrological Indicators:(minimum of one is required;check all that apply)

___ Surface Water (A1)	___ Water Stained Leaves (B9)
___ High Water Table (A2)	___ Aquatic Fauna (B13)
___ Saturation (A3)	___ Marl Deposits (B15)
___ Watermarks	___ Hydrogen Sulfide Odor (C1)
___ Sediment Deposits (B2)	___ Oxidized Rhizospheres on Living Roots (C3)
___ Drift Deposits (B3)	___ Presence of Reduced Iron (C4)
___ Algal Mat of Crust (B4)	___ Recent Iron reduction in tilled Soils (C6)
___ Iron Deposits (B5)	___ Thin Muck Surface (C7)
___ Inundation Visible on Aerial Imagery (B7)	___ Other (Explain in Remarks)
___ Sparsely Vegetated Concave Surface (B8)	

Secondary Indicators:(minimum of two required)

___ Surface Soil Cracks (B6)	___ Stunted or Stressed Plants (D1)
___ Drainage Patterns (B10)	___ Geomorphic Position (D2)
___ Moss Trim Lines (B16)	___ Shallow Aquitard (D3)
___ Dry-Season Water Table (C2)	___ Microtopographic Relief (D4)
___ Crayfish Burrows (C8)	___ FAC-Neutral Test (D5)
___ Saturation Visible on Aerial Imagery (C9)	

Field Observations:

Surface Water Present? Yes ___ No x Depth ___

Water Table Present? Yes ___ No x Depth ___ **Wetland Hydrology Present?** **Yes** ___ **No** x

Saturation Present? Yes ___ No x Depth ___

Comments:

Soil Profile

Profile Description:(Describe to the depth needed to document the indicator or confirm the absence of indicators)

Depth(cm)	Matrix		Redox Features				
	Color(moist)	%	Color(moist)	%	Type[1]	Loc[2]	Texture	Remarks
0 to 10cm							Organic	
10 to 25cm	10YR 4/3							
25 -	7.5 YR 5/4							

[1]Type:C=Concentration,D=Depletion,RM=Reduced Matrix,CS=Covered or Coated Sand Grains.2Location:PL=Pore Lining,M=Matrix

Hydric Soil Indicators:

___ Histosol (A1)	___ Sandy Redox (S5)
___ Histic Epipedon (A2)	___ Stripped Matrix (S6)
___ Black Histic (A3)	___ Dark Surfaces (S7)
___ Hydrogen Sulfide (A4)	___ Polyvalue Below Surface (S8)
___ Stratified Layers (A5)	___ Thin Dark Surface (S9)
___ Depleted Below Dark Surface (A11)	___ Loamy Gleyed Matrix (F2)
___ Thick Dark Surface (A12)	___ Depleted Matrix (F3)
___ Sandy Mucky Mineral (S1)	___ Redox Dark Surface (F6)
___ 5cm Mucky Peat or Peat (S3)	___ Depleted Dark Surface (F7)
___ Sandy Gleyed Matrix (S4)	___ Redox Depressions (F8)

Restrictive Layer Type (if observed Depth: **Hydric Soil Present?** **Yes** ___ **No** x

Comments:

Insufficient depletion

APPENDIX D: PHOTOS

CVR Home Improvements Inc.	Datapoint 1	Wetland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 2	Wetland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 3	Upland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 4	Upland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 5	Upland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 6	Upland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 7	Wetland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 8	Wetland	Overdale Environmental Inc.

CVR Home Improvements Inc.	Datapoint 9	Upland	Overdale Environmental Inc.

(No soil pit photo available)

CVR Home Improvements Inc.	Datapoint 10	Upland	Overdale Environmental Inc.

APPENDIX H

Bird Survey Report (2021)

Aster Group Environmental Services Co-op
28 High Marsh Rd
Sackville NB, E4L 1K2
506-536-1260
www.astergroup.ca

CV Homes Bird Survey
June 21, 2021

For

For Hive Engineering
Andrea Kalafut, M.Sc.E., P.Eng.

Submitted by

Roland Chiasson
Aster Group
28 High Marsh Rd
Sackville NB
E4L 1K2
506-536-7348
roland.chiasson@astergroup.ca

Introduction
A bird survey was carried out on June 18, 2021, on two parcels of land with PID Numbers: 05465255 and 00939744. This site is slated for a future housing development, to be developed by CV Homes.

Methodology
Two bird data bases were consulted, the Maritime Bird Breeding Atlas and the Atlantic Canada Conservation Data Centre (AC CDC). Results from these two data bases can be found in the appendix.

The following recognized bird survey techniques were used to survey for breeding birds: Point Counts, Maritime Breeding Bird Atlas and Common Nighthawk survey protocols. Point counts were based on the North American Bird breeding survey (https://www.canada.ca/en/environment-climate-change/services/bird-surveys/landbird/north-american-breeding/overview.html), with two differences. Point counts lasted ten minutes instead of three minutes and point count locations were spaced closer together than usual, often less than one hundred meters, as compared to 200 hundred meters. Both modifications were to ensure that all habitat types were surveyed for birds. Special attention was given to bird species at risk potentially on site. This was based on the availability of suitable habitat and if they were observed or heard. Techniques developed by the Maritime Breeding Bird Atlas, (https://www.mba-aom.ca), use bird behavior to determine if birds are breeding. The Common Nighthawk survey was carried out before sun rise at 5:15 am, and was based on ”Surveying Whip-poor-wills & Nightjars in The Land Between Canadian Nightjar Survey Protocol - 2020” (https://www.thelandbetween.ca/wp-content/uploads/2020/05/TLB-Nightjar-Survey-Protocol-1.pdf).

Results

Based on the bird data bases consulted, some species at risk and other birds of conservation interest could have been present. Based on the desktop study of the AC CDC data, the following bird species at risk or species of conservation interest that have been observed within 100 kilometers and where suitable habitat is available: Bobolink (*Dolichonyx oryzivorus)*, Rusty Blackbird (*Euphagus carolinus)*, Common Nighthawk (*Chordeiles minor)*, and Eastern Kingbird (*Tyrannus tyrannus).* However, no species at risk or other species of conservation interest were observed or heard. Limited habitat is available for species at risk. About half of the site has been bulldozed and or cleared of brush. There has been some regeneration of young hardwoods on the site. Many of the species that were seen were birds that are well suited to this type of habitat (see picture). No Common Nighthawks were seen or heard before sun rise.

Twenty-four species of birds were observed. The five most numerous birds observed were: Cedar Waxwings (Bombycilla cedrorum*)*, Alder Flycatcher (*Empidonax alnorum*), Red-Eyed Vireo (*Vireo olivaceus*), Song Sparrow (Melospiza melodia) and Veery (*Melospiza melodia*). These five birds were not necessarily abundant but were seen more frequently because the point counts were close together and the birds were more than likely counted twice.

Weather conditions were ideal; light winds, clear sky, temperature range from 9 to 11 and within a week of a full moon. Please find a summary of the results below with the number of times birds were observed. A complete data set can be found in the appendix.

Birds observated	Scientific Name	# of Observations	Other Species observed
Cedar Waxwing	*Bombycilla cedrorum*	10	White-tailed Deer
Alder Flycatcher	*Empidonax alnorum*	9	Green Frog
Red-eyed Vireo	*Vireo olivaceus*	8	Red Fox
Song Sparrow	*Melospiza melodia*	7	
Veery	*Catharus fuscescens*	6	
American Crow	*Corvus brachyrhynchos*	5	
Black-capped Chickadee	*Poecile atricapillus*	4	
Chestnut-sided Warbler	*Setophaga pensylvanica*	4	
Common Grackle	*Quiscalus quiscula*	4	
Common Yellowthroat	*Geothlypis trichas*	4	
Northern Flicker	*Colaptes auratus*	4	
White-throated Sparrow	*Zonotrichia albicollis*	4	
American Redstart	*Setophaga ruticilla*	3	
Ringed-necked Pheasant	*Phasianus colchicus*	3	
American Goldfinch	*Carduelis tristis*	2	
Veery	*Catharus fuscescens*	2	
American Robin	*Turdus migratorius*	1	
American Woodcock	*Scolopax minor*	1	
Black and White Warbler	*Mniotilta varia*	1	
European Starling	*Sturnus vulgaris*	1	
Magnolia Warbler	*Setophaga magnolia*	1	
Purple Finch	*Carpodacus purpureus*	1	
Swamp Sparrow	*Melospiza georgiana*	1	
Yellow Warbler	*Setophaga petechia*	1	

Recommendations
Save some of the older trees for landscaping values and to provide habitat for birds.

Some of the remaining original bog/wetland habitat can be seen below in the picture with some larger trees in the background. Keeping areas like this provides good habitats for birds.

Appendix (in separate files)

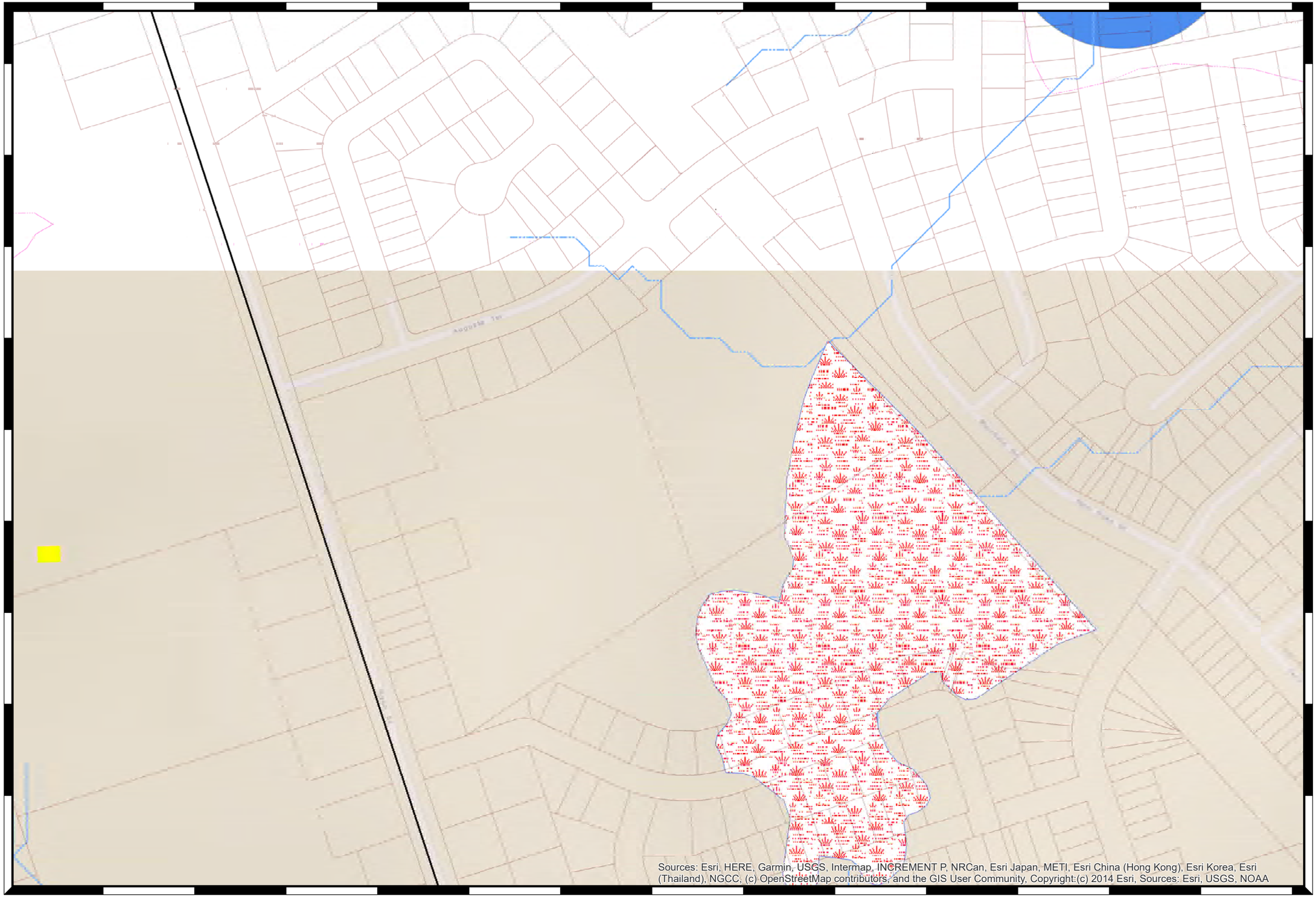
ACCDC Data for this region

Maritime Bird Breeding Atlas Results for this region

Bird Survey Results from this study

APPENDIX I

Archaeology Mapping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E
S
Legend
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PreContact2021
Historic2021
June52012UndefinedSites
June52012SuspectedShipwrecks
June52012Shipwrecks
June52012SuspectedPlaneCrash
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RV
SL
WA
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HistoricJanuary2020_Buffer
PortageBuffer4
PortageBuffer
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watercourse
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80.67965487 - 83.85047099
83.850471 - 89.83979034
High Potential1
Medium Potential1
MarinePaleoShoreline
VALUE
0 - 28
28.00000001 - 38
38.00000001 - 48
48.00000001 - 810
Alluvial Sediments
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, Copyright:(c) 2014 Esri, Sources: Esri, USGS, NOAA
0 0.02 0.04 0.08 0.12 0.16
Kilometers
288
New Nouveau Brunswick
Time: 2:46:53 PM
Date: 11/24/2021

hive
ENGINEERING
www.hiveeng.ca

Wetland Compensation General Guidance

Wetlands are one of earth's most biologically diverse ecosystems as they are home to a wide variety of plant and animal species. They store water to minimize the impacts of floods and droughts, help reduce soil erosion, retain sediments, absorb nutrients, and help mitigate the effects of climate change. Therefore, when considering a project that has the potential to affect a wetland, the impacts to the wetland and surrounding environment must be considered.

The *Clean Water Act* requires that a Watercourse and Wetland Alteration (WAWA) Permit be obtained prior to undertaking any activity considered an alteration in or within 30 metres of a wetland. If a permit is granted for a project that will result in permanent impacts to a wetland, it will include requirements for wetland compensation. All efforts should first be made to avoid and minimize impacts to a wetland.

What is wetland compensation?

Wetland compensation is the process of off-setting permitted impacts and loss of wetland area and/or function with actions that ensures no net loss of wetland function in the province. Wetland compensation ensures that when wetland area and/or functions are lost, they are restored, enhanced or created elsewhere in New Brunswick. This can include the restoration of naturally occurring wetlands that have been drained or altered; the enhancement of an existing wetland to achieve specific management objectives or the increasing of functionality of a wetland; or the creation of a wetland in an area where one did not exist. Alterations taking place near wetland areas which result in a loss of the wetland area and/or function would also require compensation.

Where do I find information on wetlands?

The WAWA Reference Map, available on GeoNB is a **reference tool** that provides a map of potential wetland areas and additional wetland and watercourse data. Please note that any alteration within 30 metres of a wetland or watercourse on the ground which meets the Department of Environment and Local Government's (DELG's) definitions, requires a WAWA permit.

Wetlands identified in yellow on the WAWA Reference Map are provincially significant and are given maximum protection. These wetlands include coastal marshes, wetlands of the Lower Saint John River, and other special wetlands. Activities having any impact on these wetlands will not be approved unless the purpose is to rehabilitate, restore, or enhance the wetland, or if the activity is deemed to provide necessary public function.

It is illegal under the *Watercourse and Wetland Alteration Regulation* (90-80) – *Clean Water Act*, to make or perform any watercourse or wetland alteration unless authorized to do so by a WAWA permit issued by the Minister of Environment and Local Government.

The following information is provided for instances where impacts to wetlands cannot be avoided and wetland compensation is a requirement of a permitted activity within a wetland.

What is the wetland mitigation sequence?

In assessing potential developments in or near wetlands, the department applies a three-step wetland mitigation process to reduce potential negative effects to wetlands. These steps include, in sequential order: avoidance, minimization of unavoidable impacts, and compensation. Compensation will be required whenever permanent unavoidable impacts (as determined through the steps outlined above) are permitted to occur to a wetland.

Mitigation Sequence:

- **Avoid** impacts to the wetland at the planning stage;
- **Minimize** impacts (e.g., require applicable environmental protection measures during permitted alteration etc.;
- **Compensate** for impacts that cannot be avoided or minimized.

In order to achieve the objectives of the New Brunswick Wetland Conservation Policy for no net loss of wetland function, compensation for the loss of wetland is required when an approval to impact a wetland is issued under the *Clean Water Act* or *Clean Environment Act* (or through a Ministerial Order).

Why is there a compensation ratio?

It is almost impossible to fully replicate the complexity and functionality of a natural wetland ecosystem. Wetland compensation projects also take years to successfully function in their intended manner. Therefore, to achieve the objectives of no net loss of wetland function within the province, a greater area of compensated wetland is required than the area of impacted natural wetland. Currently the compensation ratio is a minimum of 2:1; meaning the compensation area required is at least twice the wetland area impacted. Please contact DELG (contact information below) for more information.

If required to provide compensation for a wetland alteration, what are my options?

There are two options:

1) The proponent can locate a suitable wetland compensation site, prepare a wetland compensation project proposal and submit it to the department for approval. (See below for more details).
2) The proponent can contract a Wetland Compensation Consultant who may have pre-arranged and approved wetland compensation projects to provide compensation on their behalf (See below for more details).

Wetland Compensation Consultants are individuals who have a combination of education in wetland restoration, delineation, hydrology, wetland soils and botany, and have a minimum of five years field or other demonstrated experience in providing successful wetland compensation projects.

These consultants may identify and develop an inventory of potential compensation projects that can be submitted to the Wetland Compensation Technical Review Committee for review and approval. Wetland compensation projects are reviewed on a project specific level. Proponents can contact the department (see below) for a list of Wetland Compensation Consultants who may be able to provide compensation on their behalf.

What information must be included in a Compensation Project Proposal and how is it reviewed?

Prior to submitting a Compensation Project Proposal to the department for review, ensure that the following is included:

- written landowner approval;
- property identification number (PID) and coordinates;
- description of the impacted wetland (type, ecoregion, functional information, WESP results) and description of how the proposed compensation plan will offset the loss of function related to the undertaking;
- description of site and habitat in a landscape context (species, rarity, etc.);
- map of site including all wetlands in the surrounding area;
- description of proposed compensation activity (restoration, enhancement, creation, preservation);
- map of final proposed site plan along with GPS data (*.shp, *.kmz or *.gpx);
- measurable objectives of project (functions, species, area, amount open water, habitat types, etc.);
- schedule of work (start date, estimated completion, etc.);
- design of project (engineering details, water control structures, earthworks, scaled plan, etc.);
- a commitment for future monitoring plans;

- a commitment to maintain the physical structures for at least 30 years; and
- an agreement that the compensated wetland will be classified as a Provincially Significant Wetland, that the footprint will remain in perpertuity and that activities in and within 30 metres of the wetland will be strickly regulated.

In addition, the proponent or their contracted Wetland Compensation Consultant is responsible for identifying suitable compensation site(s) as part of the project proposal.

Once the proposal has been received by DELG for review, the wetland biologist distributes the information to the Wetland Compensation Technical Review Committee. Specific compensation conditions may be required at this time and shall be included in the final wetland compensation report.

BEFORE

AFTER

Projects will be reviewed based on the following criteria:

a. Compensation proposals are evaluated based on size, wetland type, function, geographic context, time frame, and probability of success.
b. The preferred methods of compensation in order of priority are restoration, enhancement, creation, and occasionally preservation of existing wetland and education/research projects.
c. Compensation activities will be assessed based on the following order of priority: on-site, within the same watershed, within ecodistrict, within ecoregion, within New Brunswick. Consideration will be given to compensation activities within Provincial priority areas (ie. Lower Saint John River, coastal zone etc.)
d. Compensation activities should focus on the same wetland type as the impacted wetland or a provincially significant wetland type.

e. Compensation measures must function properly for a minimum of 30 years.
f. Monitoring is necessary to evaluate the outcome of compensation and the associated cost of monitoring should be considered as part of the compensation process.
g. Compensation projects will be classified as Provincially Significant Wetland areas and therefore future impacts will be restricted.
h. Compensation projects will be identified and added to the WAWA Reference Map. GIS shapefile or geographic coordinates of the final wetland footprint will have to be submitted within 6 months of the project completion.

If approved, a final wetland compensation report will be prepared by the proponent and submitted to the Source and Surface Water Management Branch and a Watercourse and Wetland Alteration Permit and/or an Environmental Impact Assessment Certificate of Determination will be issued to the proponent. This may contain additional conditions regarding wetland compensation that the proponent must adhere to, such as the project must be completed within maximum length of time, or specific monitoring requirements.

Who is responsible if a wetland compensation project is unsuccessful?

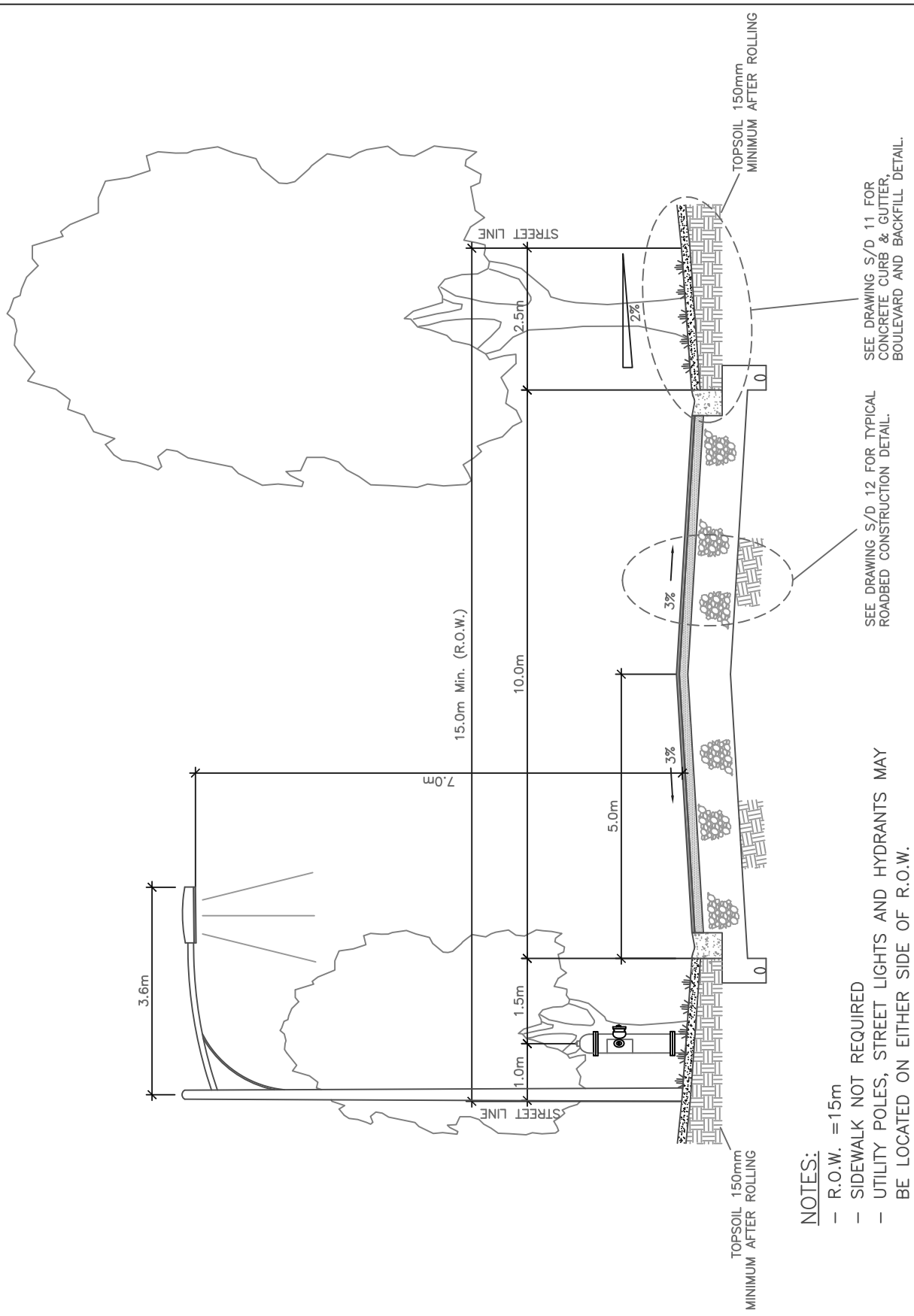
The Watercourse and Wetland Alteration Permit or Ministerial Order holds the proponent responsible for any failed compensation projects. Proponents can lower their risk of failed compensation projects by contracting with an experienced Wetland Compensation Consultant. If a compensation project fails, the proponent will be required to take appropriate steps to ensure success or determine an alternative plan. Any additional costs or potential reimbursement for failed compensation projects is between the proponent and the Wetland Compensation Consultant.

Contact Information

Department of Environment and Local Government Source and Surface Water Management Branch:

Mailing Address:

Marysville Place
P. O. Box 6000
Fredericton, NB
E3B 5H1
Canada
Telephone: 506-457-4850
Fax: 506-453-6862
Email: wawa@gnb.ca



NOTES:

- R.O.W. =15m
- SIDEWALK NOT REQUIRED
- UTILITY POLES, STREET LIGHTS AND HYDRANTS MAY BE LOCATED ON EITHER SIDE OF R.O.W.
- FOR USE ON CUL-DE-SACS, CRESCENTS, AND MINOR INTERCONNECTING STREETS.
- STREET TREES TO BE PLACED AS PER DRAWINGS SD 21 TO SD 26

SCALE: N.T.S.	URBAN LOCAL MINOR – ULM	CITY OF MONCTON ENGINEERING & ENVIRONMENTAL SERVICES
October 2016	TYPICAL ROAD CROSS SECTION	
DRAWN BY : PGE		DRAWING NO. S/D 1

SCALE: N.T.S.

October 2016

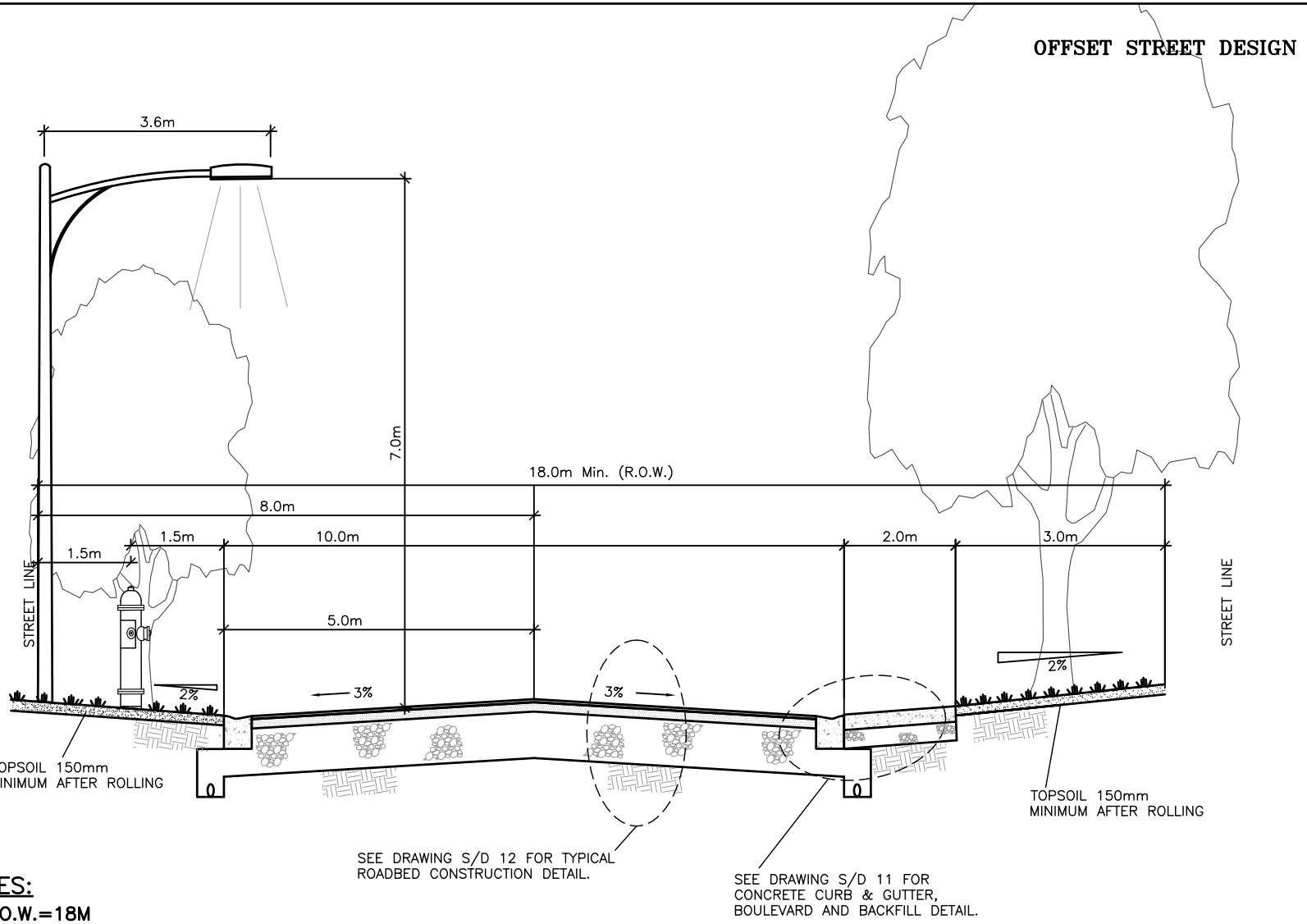
DRAWN BY : PGE

URBAN LOCAL PRIMARY– ULP

TYPICAL ROAD CROSS SECTION

CITY OF MONCTON
ENGINEERING &
ENVIRONMENTAL
SERVICES

DRAWING NO. S/D 2A



NOTES:

- R.O.W.=18M
- SIDEWALK ONE SIDE
- UTILITY POLES, STREET LIGHTS AND HYDRANTS MAY BE LOCATED ON EITHER SIDE OF R.O.W.
- THIS ROAD WIDTH CONFIGURATION CAN ACCOMMODATE 1 WIDE TRAVEL LANE WITH PARKING ON BOTH SIDES OR 2 TRAVEL LANES WITH 2 BIKE LANES.
- STREET TREES TO BE PLACED AS PER DRAWINGS SD 21 TO SD 26

CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Elaine Aucoin, Sustainable Growth and Development Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	Tentative Subdivision Plan of Amending Jonathan Park Subdivision Unit 4 **(item tabled at the October 17,2022 meeting)**
Presenters / Présentateurs	Bill Budd, Director Planning and Development

Item/Point	7.4
Time allocation/ Temps prévu	15 minutes
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

The proposed subdivision requires the approval of Council creating new public streets as per section 88 of the Community Planning Act.

BACKGROUND / CONTEXTE

The area proposed for subdivision is located in the Jonathan Park Subdivision at the easterly end of Amiens Drive. This area is zoned R1B – (Single Unit Dwelling)

The intent of the proposed subdivision is to layout the next unit of development between Amiens Drive and Salengro Crescent. The total area is 4.19 hectares and is for the development of 37 residential building lots. Amiens Drive will extend through the property until it connects with the adjoining property owned by Laurenavery Holdings Inc. Salengro Crescent will extend across Amiens Drive ending in a court. A future street stub will be located between lots 22-34 and 22-35 thus providing future access to lands owned by Tridev Corporation.

<u>Tentative Plan Proposal:</u>

The purpose of the Tentative Subdivision Plan is:
- To create 37 new building lots;
- To create one lot for a Natural Conservation Buffer;
- To create an extension of promenade Amiens Drive (public);
- To create an extension of croissant Salengro Crescent (public);
- To create a Future Street; and,
- To create five (5) metre wide Public Utility Easements along the proposed streets.

<u>Proposed Lots</u>

The plan creates a total of 37 new R1B – (Single Unit Dwelling) building lots with lot sizes frontages ranging from 15 – 30 metres and areas between 656 - 1540 square metres.

<u>Proposed Street layout</u>

Amiens Drive will extend through the property until it connects with the adjoining property owned by Laurenavery Holdings Inc. It will be built to an Urban Local Primary Street cross section with sidewalk on one side.

Salengro Crescent will extend across Amiens Drive ending in a court and will be built to an Urban Local Minor street classification.

The Future Street will connect to lands owned by Tridev Corporation. It will be built to an Urban Local Minor street classification.

These proposed streets will be treed as per requirements of the subdivision guidelines with trees planted approximately every 10 metres.

Street Name Usage

As all the streets within this unit of Jonathan Park are extensions of existing streets, no new names were chosen from the name bank.

Land for Public Purposes

The Land for Public Purposes requirements for this extension has been satisfied on previous units of subdivision within the Jonathan Park overall area. However, the developer is proposing to donate a 765 square metre portion of land as a Natural Conservation Buffer.

Charge Area By-Law

The proposed subdivision falls within the Jonathan Creek Trunk Sewer Charge Area. This charge area was created with the installation of a Sanitary Trunk sewer in 2006.

As part of this charge area all those landowners subdividing their properties shall contribute towards the costs of the installed sanitary trunk sewer infrastructure. As such the Jonathan Creek Trunk Sewer Charge value has been calculated to be $28,112.00.

RECOMMENDATION / RECOMMANDATION

The Planning Advisory Committee recommends that Moncton City Council

- **Assent** to the location of the Natural Conservation Buffer;
- **Assent** to the location of promenade Amiens Drive (public);
- **Assent** to the location of croissant Salengro Crescent (public);
- **Assent** to the location of rue Future Street; and,
- **Require** payment of the Jonathan Park Trunk Sewer Charge area in the amount of $28,112.00.

Subject to the following conditions:

- Streets and Services to be designed and acceptable to the Engineering Department and constructed in accordance with the Subdivision Development, Procedures, Standards and Guidelines.

ALTERNATIVES / AUTRES OPTIONS

That Council postpone the request for additional information; or
That Council not support the request

RISK ANALYSIS/ANALYSE DE RISQUES
N/A

CONSIDERATIONS / ENJEUX

Legal / Juridiques

Subdivision and Drainage agreements will be required

Policy / Politiques / Plans

Meets with the intent of the Municipal Plan

Financial / Financiers

New subdivisions create assessment growth for the City but also requires expenditures to

support that new area.

Impact on Resources / Impact sur les ressources

N/A

Environment / Environnement

In an effort to protect additional urban forest, administration supports the proposal to have Land for Conservation Purposes as shown on the tentative plan. This area will remain as a treed buffer zone between the existing City land and this proposed development. The proposed streets will also be treed as per requirements of the subdivision guidelines with trees planted approximately every 10 metres.

Strategic Plan / Plan stratégique

☐ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☐ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☐ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

The proposed development helps to meet several objectives and policies of Plan Moncton Municipal Plan, which is a Strategic Planning document that is included as a support for the pillars of the Strategic Plan.

Attachments / Annexes

Maps
Tentative Plan - Jonathan Park Subdivision Unit 4
Jonathan Park Subdivision Unit 4 Presentation

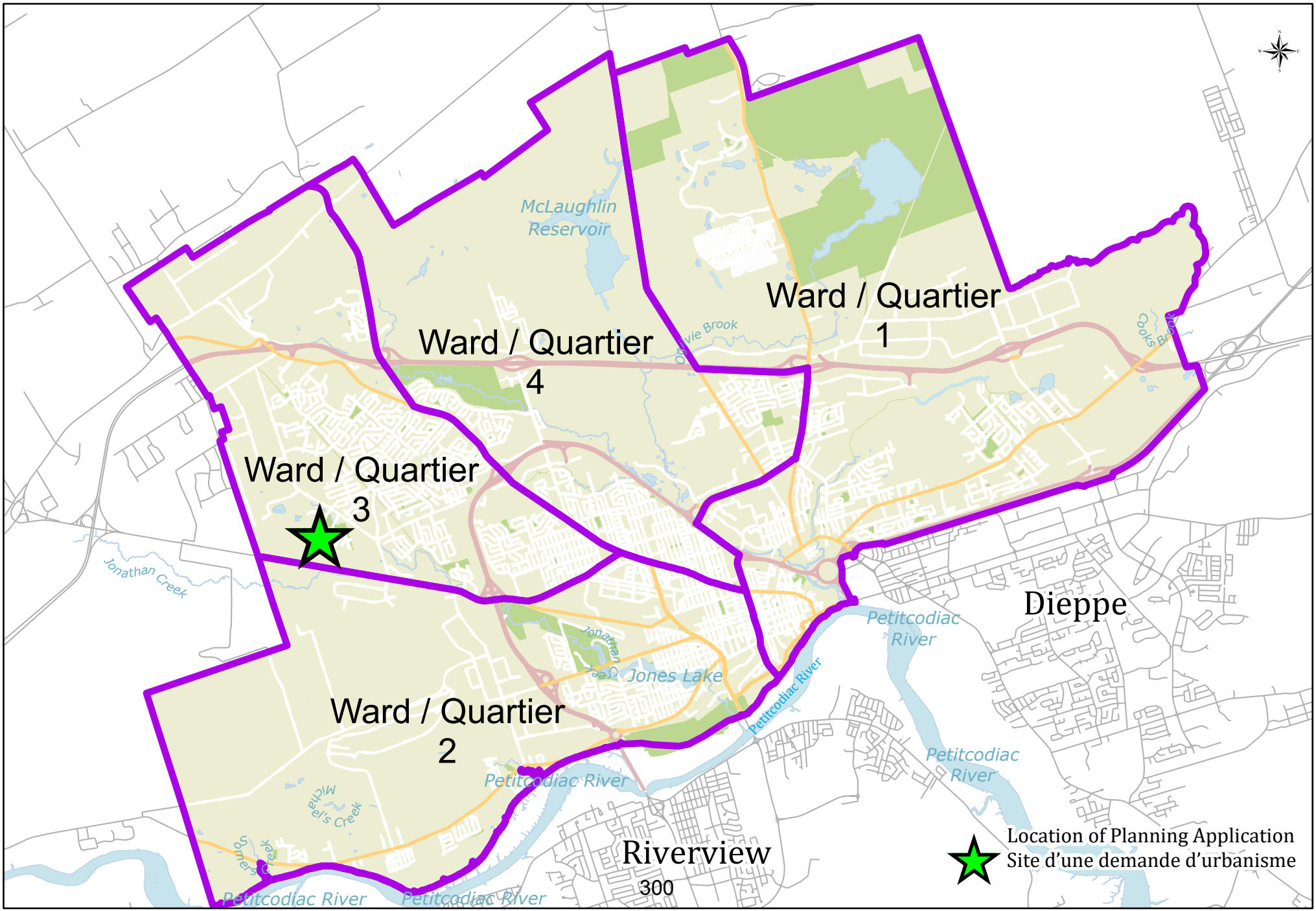
Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

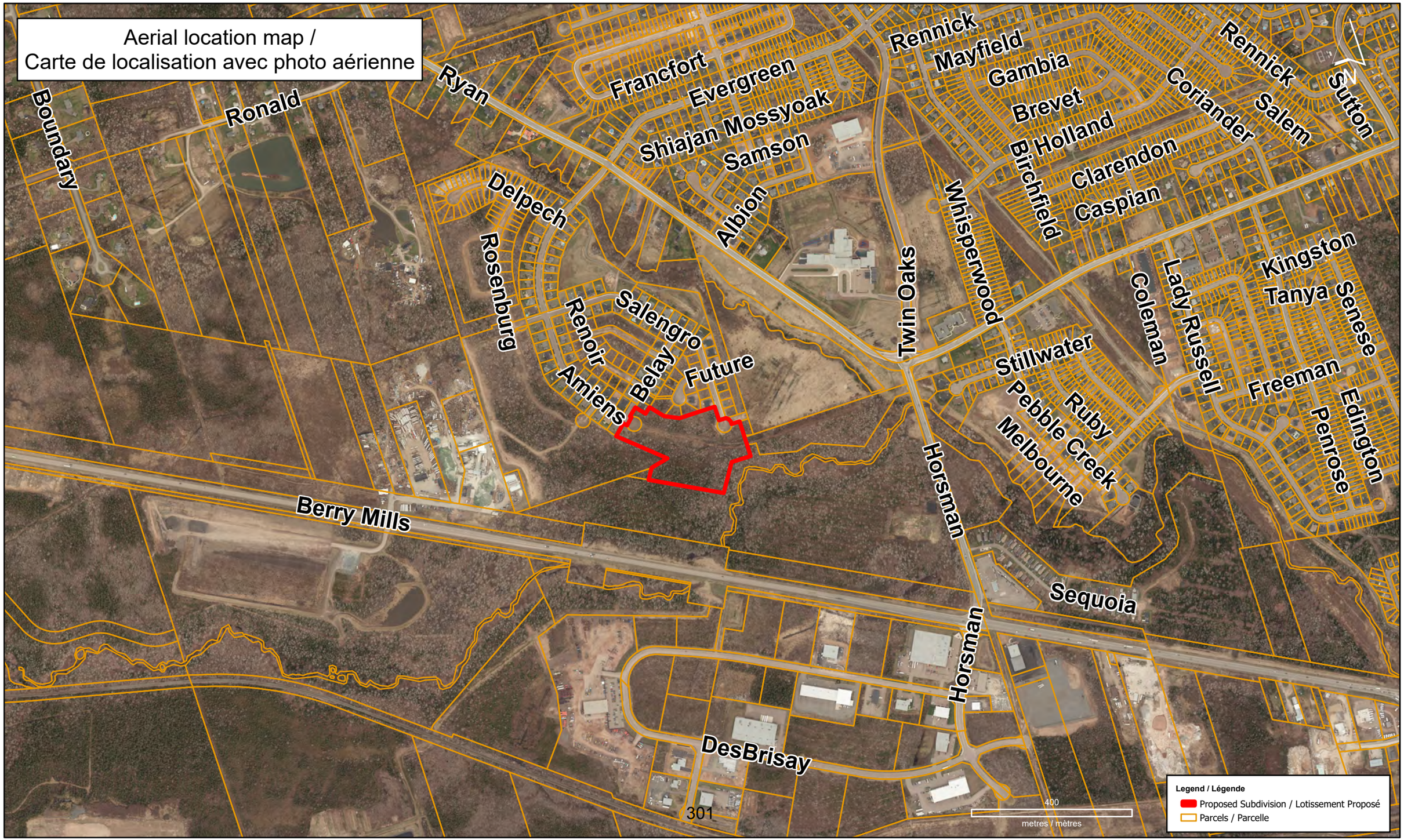
Planning & Development, Recreation, Engineering, Environmental Planning and Management, Community Safety and Fire Department, Parks and Leisure Services, Legal Departments, and New Brunswick Power.

Communication and Official Languages Implications / Communications et langues officielles

N/A

Planning Application Location Map
Carte de situation des demandes d'urbanisme





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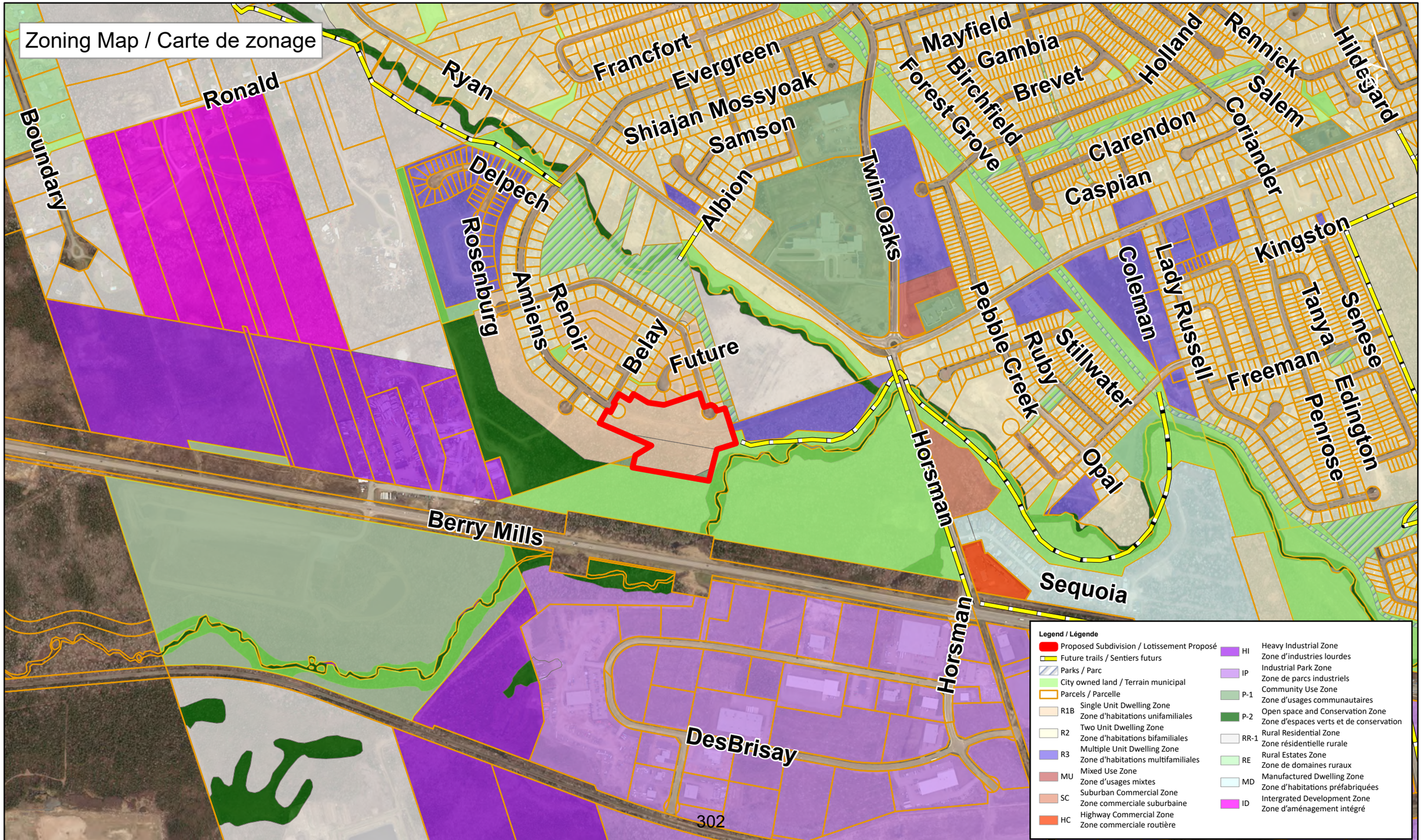

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COORDINATE TABLE			COORDINATE TABLE		
POINT	NORTHING	EASTING	POINT	NORTHING	EASTING
31	7457015.519	2626225.841	154	7456978.547	2626080.264
32	7457000.558	2626178.644	155	7456983.098	2626090.796
33	7456923.560	2626158.821	156	7456992.678	2626112.966
100	7457128.863	2625988.156	157	7457001.551	2626133.500
101	7457119.644	2626003.228	158	7457009.911	2626152.845
102	7457114.278	2626020.143	159	7457015.288	2626165.289
103	7457112.367	2626037.891	160	7457029.930	2626171.968
104	7457116.524	2626072.665	161	7457053.709	2626164.430
105	7457123.685	2626093.288	162	7457082.019	2626155.456
106	7457130.796	2626113.767	163	7457085.953	2626147.905
107	7457110.354	2626145.424	164	7457080.432	2626130.489
108	7457109.771	2626163.439	165	7457073.482	2626108.564
109	7457081.043	2626205.070	166	7457066.722	2626087.241
110	7457058.978	2626212.064	167	7457061.415	2626066.672
111	7457038.832	2626218.451	168	7457058.485	2626046.196
112	7456954.984	2626166.912	169	7457057.796	2626025.642
113	7456949.944	2626155.248	170	7457059.286	2626005.490
114	7456941.826	2626136.462	171	7457062.985	2625985.291
115	7456933.708	2626117.676	172	7457059.537	2625978.388
116	7456931.588	2626112.769	175	7457064.019	2625960.712
117	7457018.113	2625999.577	176	7457071.957	2625957.483
118	7457032.352	2625966.600	177	7457078.587	2625943.061
119	7457039.488	2625950.075	178	7457087.992	2625925.541
120	7457049.034	2625927.966	179	7457046.372	2626141.286
121	7457057.400	2625908.591	180	7457039.422	2626119.361
122	7457100.177	2625951.386	181	7457032.663	2626098.038
123	7457098.111	2625955.212	182	7457025.019	2626073.926
124	7457089.971	2625972.564	183	7457017.287	2626049.535
125	7457082.985	2625993.923	184	7457011.494	2626024.695
126	7457078.876	2626016.024	185	7457080.484	2625939.448
127	7457077.720	2626038.477	200	7457138.671	2626136.447
128	7457079.538	2626060.893	202	7457110.492	2626055.294
129	7457084.300	2626082.880	203	7457115.343	2626010.259
130	7457085.649	2626087.347	204	7457137.420	2625974.167
131	7457090.834	2626103.702	219	7457119.173	2626192.983
132	7457097.382	2626124.359	220	7457126.077	2626214.653
133	7457102.822	2626141.518	221	7457108.919	2626220.093
134	7457094.423	2626174.593	226	7457110.074	2626164.396
135	7457104.635	2626147.237	241	7457111.868	2626170.054
136	7457086.893	2626170.695	300	7457102.014	2626198.422
137	7457071.632	2626175.533	301	7456956.224	2625971.447
138	7457049.611	2626182.514	302	7456986.037	2625978.813
139	7457034.765	2626187.220	303	7457010.012	2626018.339
140	7457029.295	2626188.369	492	7457065.677	2625889.421
141	7457003.497	2626176.772	493	7457097.614	2625908.135
142	7457000.601	2626171.636	494	7457092.070	2625917.988
143	7456986.663	2626139.381	495	7457112.309	2625928.915
144	7456978.545	2626120.595	497	7457114.479	2625924.967
145	7456970.427	2626101.809	531	7457136.874	2625938.666
146	7456963.859	2626086.611	580	7457121.220	2625964.258
147	7456950.976	2626072.453			
150	7456962.230	2626038.862			
151	7456974.176	2626046.062			
152	7456977.065	2626061.180			
153	7456976.153	2626067.310			

NOTES:

1. AZIMUTHS AND COORDINATES WERE DERIVED FROM N.B. HIGH PRECISION NETWORK NAD83(CSRS), REFERENCED TO MONUMENTS 5669.
2. DISTANCES SHOWN ARE GRID AND ARE IN METERS AND DECIMALS THEREOF.
3. THE DOCUMENT NUMBERS REFERRED TO ON THIS PLAN ARE THOSE OF WESTMORLAND COUNTY REGISTRY OFFICE.
4. AZIMUTHS ARE ROUNDED TO THE NEAREST 01".
5. CERTIFICATION IS NOT MADE AS TO LEGAL TITLE, BEING THE DOMAIN OF A LAWYER, NOR TO THE ZONING AND SETBACK BY-LAWS OR REGULATIONS, BEING THE DOMAIN OF THE DEVELOPMENT OFFICER.
6. CERTIFICATION IS NOT MADE AS TO COVENANTS SET OUT IN THE DOCUMENT(S), NOR TO THE LOCATION OF ANY UNDERGROUND SERVICES AND/ OR FIXTURES, PERMANENT OR OTHERWISE.
7. SEE REGISTERED DRAINAGE DOCUMENT ######### & PLAN #########.
8. FIELD SURVEY WAS COMPLETED BETWEEN 2022-##-## & 2022-##-##.

PURPOSE OF PLAN:

1. TO AMEND LOT 21-7000, PLAN 41868531, PID 70672324.
2. TO AMEND FUTURE STREET, PLAN 31894844, PID 70563671.
3. TO AMEND FUTURE STREET, PLAN 37465417, PID 70632906.
4. TO AMEND FUTURE STREET, PLAN 37465417, PID 70632922.
5. TO CREATE LOTS 22-01 TO 22-37 FOR RESIDENTIAL BUILDING PURPOSES.
6. TO CREATE LOT 22-3000, NATURAL CONSERVATION BUFFER.
7. TO CREATE A TEMPORARY TURN-AROUND (LOT 22-38).
8. TO CREATE A PORTION OF VARYING WIDTH PUBLIC STREET "PROMENADE AMIENS DRIVE", AS SHOWN, PURSUANT TO 88(6)(a) OF THE COMMUNITY PLANNING ACT, 2017.
9. TO CREATE A PORTION OF 18.000m WIDE PUBLIC STREET "RUE ROSENBURG STREET", AS SHOWN, PURSUANT TO 88(6)(a) OF THE COMMUNITY PLANNING ACT, 2017.
10. TO CREATE A PORTION OF 16.000m WIDE PUBLIC STREET "CROISSANT SALENGRO CRESCENT", AS SHOWN, PURSUANT TO 88(6)(a) OF THE COMMUNITY PLANNING ACT, 2017.
11. TO CREATE FUTURE STREETS AS SHOWN, PURSUANT TO 88(6)(a) OF THE COMMUNITY PLANNING ACT, 2017.
12. TO CREATE A 5.0m WIDE PUBLIC UTILITY EASEMENT, PURSUANT TO SECTION 5, REGULATION 2021-83, OF THE COMMUNITY PLANNING ACT, 2017.

UTILITIES APPROVAL

PURSUANT TO SECTION 5 OF "DESIGNATED EASEMENT REGULATION" 2021-83, THE PUBLIC UTILITY EASEMENT(S) ON THIS PLAN VEST(S) IN NEW BRUNSWICK POWER CORPORATION, BELL CANADA, ROGERS COMMUNICATION INC., AND LIBERTY UTILITIES WITH THE FILING OF THIS PLAN.

PROPERTY INFORMATION

PID 70563671
REGISTERED OWNER: CITY OF MONCTON
L.T. DATE 2012-08-30
PLAN 31894844, FUTURE STREET

PROPERTY INFORMATION

PID 70632906
REGISTERED OWNER: CITY OF MONCTON
L.T. DATE 2017-10-13
PLAN 37465417, FUTURE STREET

PROPERTY INFORMATION

PID 70632922
REGISTERED OWNER: CITY OF MONCTON
L.T. DATE 2017-10-13
PLAN 37465417, FUTURE STREET

OWNER'S STATEMENT

I, DAWN ARNOLD, ON BEHALF OF THE CITY OF MONCTON DO HEREBY CERTIFY THAT THE CITY OF MONCTON IS THE REGISTERED OWNER OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN, AS ITS INTERESTS MAY APPEAR.

DAWN ARNOLD (MAYOR) CITY OF MONCTON

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD AZ.	CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD AZ.
C1	170.000	19.177	19.167	295°07'58"	C14	28.000	5.907	5.896	60°35'08"
C2	170.000	22.489	22.472	288°06'41"	C15	29.500	19.495	19.142	47°41'52"
C3	170.000	22.496	22.480	280°31'51"	C16	18.000	22.344	20.937	64°19'38"
C4	170.000	22.499	22.482	272°56'54"	C17	18.000	27.769	25.096	144°05'04"
C5	170.000	22.507	22.490	265°21'51"	C18	18.000	14.323	13.948	211°04'31"
C6	170.000	22.513	22.496	257°46'40"	C19	18.000	15.904	15.391	259°10'54"
C7	170.000	4.667	4.666	253°11'51"	C20	29.500	6.209	6.198	278°27'48"
C8	300.000	4.505	4.505	298°47'43"	C21	29.500	13.286	13.174	259°31'53"
C9	6.000	9.425	8.485	207°24'40"	C22	12.000	17.639	16.093	204°31'13"
C10	6.000	9.416	8.479	207°22'10"	C23	6.000	9.448	8.502	117°36'22"
C11	323.000	11.307	11.306	119°21'53"	C24	190.000	21.254	21.243	75°31'54"
C12	28.000	5.598	5.589	348°08'20"	C25	190.000	20.695	20.685	81°51'24"
C13	28.000	29.652	28.285	24°12'15"	C26	190.000	20.576	20.566	88°04'46"

CURVE TABLE

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD AZ.
C27	190.000	20.216	20.207	94°13'48"
C28	190.000	20.546	20.536	100°22'33"
C29	6.000	8.381	7.716	63°27'35"
C30	6.000	9.545	8.570	157°52'08"
C31	190.000	15.878	15.873	114°41'16"
C32	190.000	4.080	4.080	117°41'49"

PROPERTY INFORMATION

PID 70672324
REGISTERED OWNER: C & H MANAGEMENT LTD.
DEED # 41965659
REG. 2021-11-04
PLAN 41868531, LOT 21-7000

OWNER'S STATEMENT

I, CLAUDE POIRIER, ON BEHALF OF C & H MANAGEMENT LTD. DO HEREBY CERTIFY THAT, C & H MANAGEMENT LTD. IS THE REGISTERED OWNER OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN, AS ITS INTERESTS MAY APPEAR.

CLAUDE POIRIER (PRESIDENT) C & H MANAGEMENT LTD.

PROPERTY INFORMATION

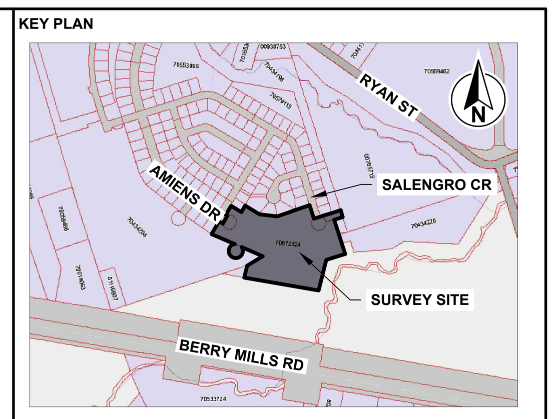
PID 70434204
REGISTERED OWNER: TRIDEV CORPORATION
DEED # 28065242
REG. 2009-11-12
PLAN 21006128, REMNANT OF LOT 05-1000

OWNER'S STATEMENT

I, CHARLES POIRIER, ON BEHALF OF TRIDEV CORPORATION DO HEREBY CERTIFY THAT, TRIDEV CORPORATION IS THE REGISTERED OWNER OF THE PROPERTY BEING SUBDIVIDED HEREON AND DO HEREBY GRANT APPROVAL TO THIS PLAN, AS ITS INTERESTS MAY APPEAR.

CHARLES POIRIER (PRESIDENT) TRIDEV CORPORATION

KEY PLAN



LEGEND	
ITEM	
STANDARD SURVEY MARKER PLACED	
STANDARD SURVEY MARKER FOUND	
CALCULATED COORDINATE POINT	
IRON PIPE FOUND	
IRON BAR FOUND	
SCRIBED WOODEN SURVEYOR'S POST	
SQUARE IRON BAR FOUND	
WOODEN SURVEYOR POST FOUND	
NB GRID MONUMENT	
TRAVERSE CONTROL POINT	
LAND DEALT WITH BY THIS PLAN BOUNDED THUS	
LOT LINE	
EASEMENT	
PROPOSED EASEMENT	
UTILITY POLE	U.P.
GUY WIRE	U.P.
LIGHT STANDARD	
OVERHEAD UTILITY LINE	O/H
UNDERGROUND UTILITY LINE	U/G
GAS LINE	GAS
FIRE HYDRANT	
CURB STOP	
FENCE	
TREES	
TREE LINE	
MARSH	
WATER WELL	
ORDINARY HIGH WATER MARK	OHWM
NEW BRUNSWICK HIGH PRECISION MONUMENT	N.B. H.P.N.

RAYWORTH & ROBERTS SURVEYS LTD.
23 LAPLANCHE ST
AMHERST, NS

JRD-#

SURVEYOR'S STATEMENT

I, MICHAEL J. GOULD N.B.L.S., DO HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND ABILITY THIS PLAN CORRECTLY DEPICTS ANY RESEARCH, FIELD WORK AND COMPUTATIONS UNDERTAKEN FOR THIS PROJECT.

MICHAEL J. GOULD N.B.L.S. #390 2022-##-##

SURVEY
A.N.B.L.S. No. ###### A.A.-G. N.-B.

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TENTATIVE SUBDIVISION PLAN

AMENDING SUBDIVISION PLAN

JONATHAN PARK SUBDIVISION UNIT 4

AMENDING PLAN 41868531, JONATHAN CREEK ESTATES SUBDIVISION
AMENDING PLAN 31894844, JONATHAN PARK SUBDIVISION
AMENDING PLAN 37465417, JONATHAN PARK SUBDIVISION
AMENDING PLAN 21006128, JONATHAN CREEK ESTATES SUBDIVISION

OWNER

C & H MANAGEMENT LTD.

PROMENADE AMIENS DRIVE
CITY OF MONCTON
PARISH OF MONCTON
COUNTY OF WESTMORLAND
PROVINCE OF NEW BRUNSWICK

SCALE

0 5 10 15 20 25
1:500 (B1)

CONSULTANT

ide J.R. DAIGLE ingénierie • engineering arpentage • land surveying

DRAWN BY	CHECKED BY	DRAWING NUMBER
M.D.	M.J.G.	SDT

Subdivision Plan Amending Jonathan Park Subdivision Unit 4

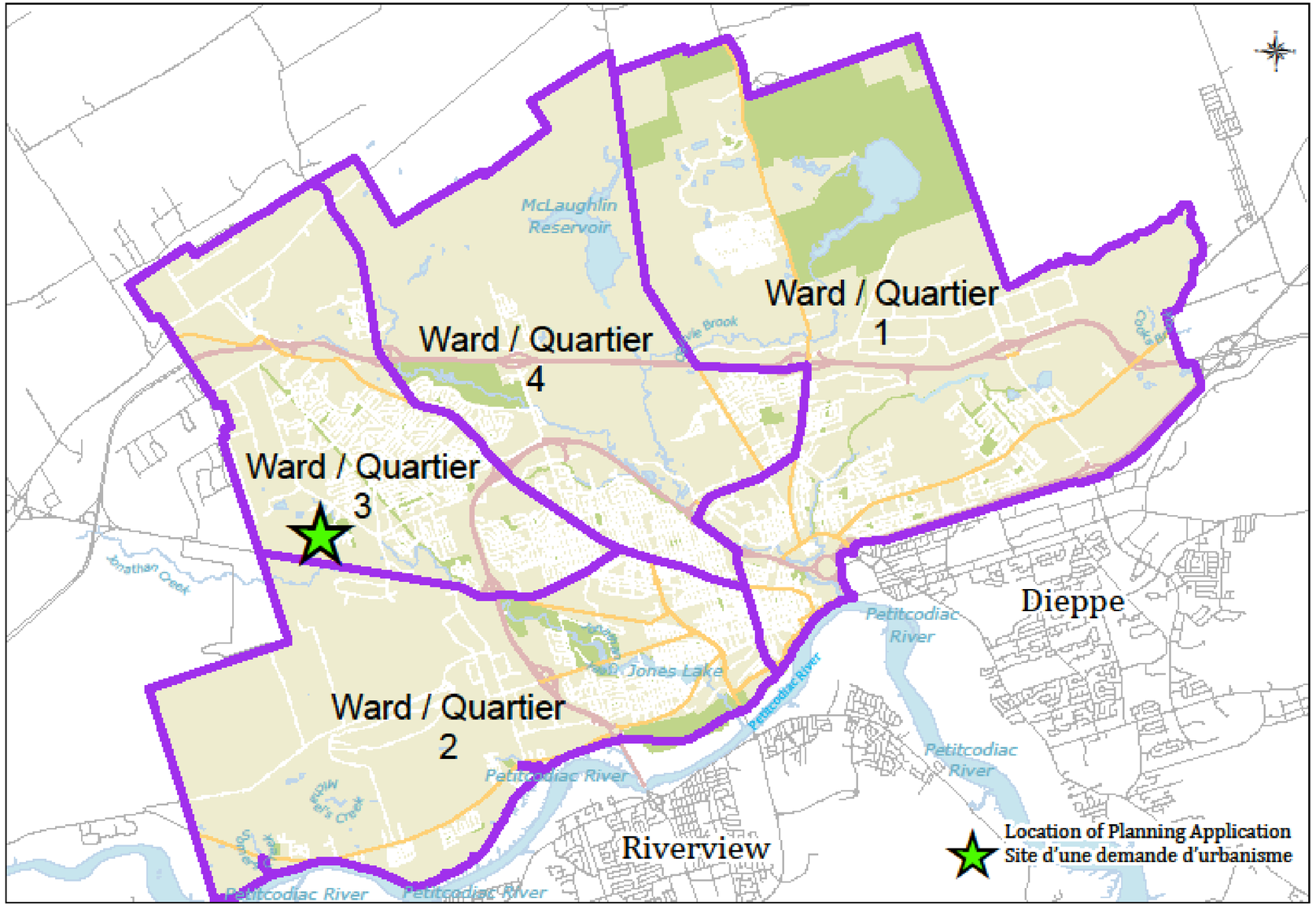
Plan de lotissement Modification du lotissement du parc Jonathan (unité 4)

October 17, 2022

Le 17 octobre 2022

MONCTON

Planning Application Location Map
Carte de situation des demandes d'urbanisme



MONCTON

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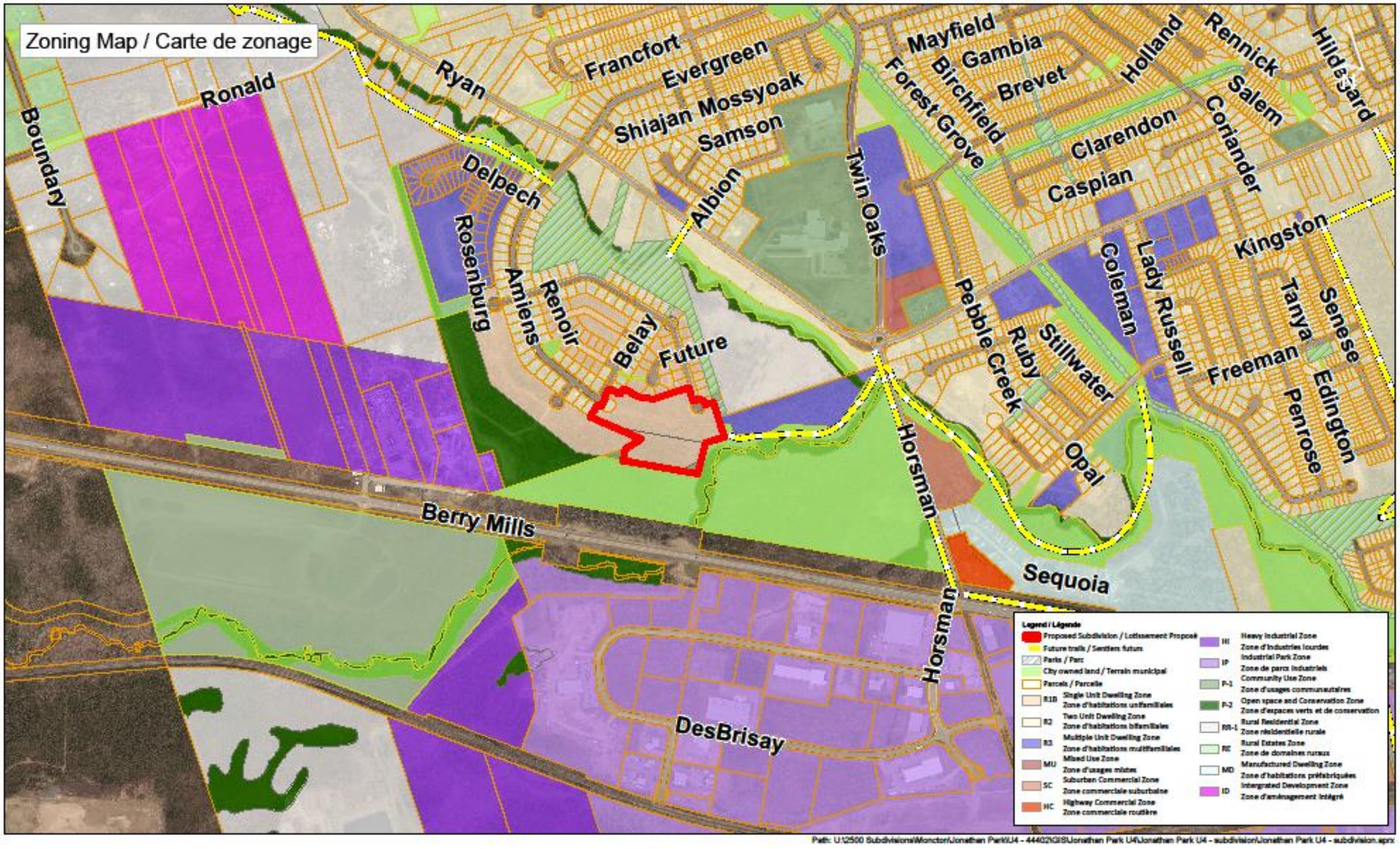
MONCTON



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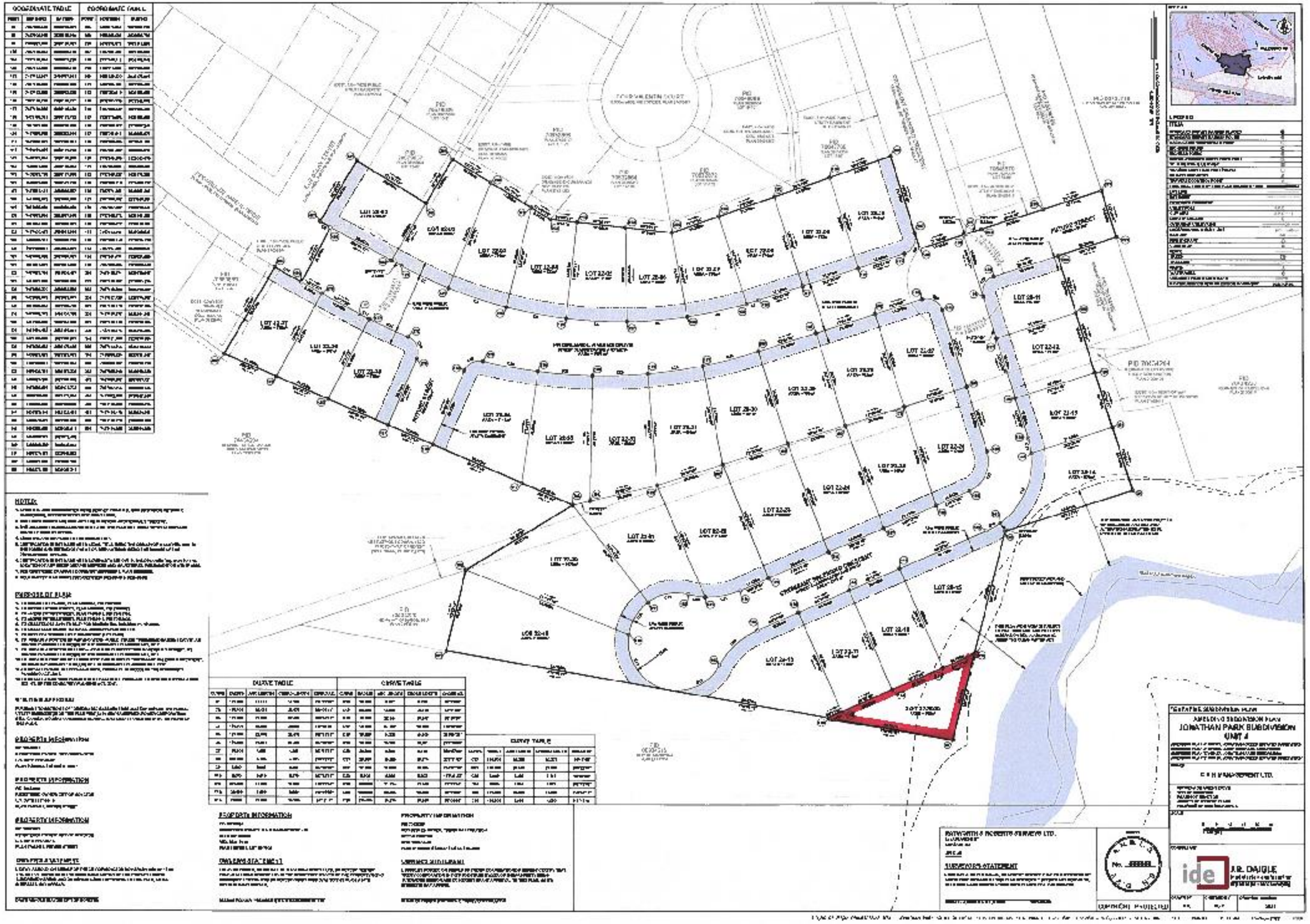
MONCTON

Tentative Plan of Subdivision / Plan de lotissement provisoire



Recommendation

The Planning Advisory Committee recommends that Moncton City Council:

- **Assent** to the location of the Natural Conservation Buffer;
- **Assent** to the location of Amiens Drive (public);
- **Assent** to the location of Salengro Crescent (public);
- **Assent** to the location of the Future Street;
- **Require** payment of the Jonathan Park Trunk Sewer Charge Area in the amount of $28,112.00.

Recommandation

Le Comité consultatif d'urbanisme recommande au Conseil municipal de Moncton de prendre les mesures suivantes :

- **Approuver** l'emplacement de la zone tampon pour la conservation naturelle;
- **Approuver** l'emplacement de la promenade Amiens (voie publique);
- **Approuver** l'emplacement du croissant Salengro (voie publique);
- **Approuver** l'emplacement de la rue Future;
- **Exiger** le paiement de la zone de redevances de l'égout collecteur du parc Jonathan d'un montant de 28 112,00 $.

Recommendation con’t

Subject to the following Conditions:

- Streets & Services are to be designed and constructed in accordance with the City of Moncton’s Subdivision Standards and Guidelines.

Recommandation (suite)

Sous réserve des conditions suivantes :

- Les rues et les services doivent être conçus et établis conformément aux normes et directives actuelles de la Ville régissant les lotissements.

MONCTON

Thank You | Merci

MONCTON | Office of the City Clerk
Bureau de la greffière

To/À: Members of Moncton City Council

From/De: Shelley Morton, City Clerk & Director, Legislative Services

Date: December 5, 2022

Re/Sujet: Committee of the Whole Recommendation – November 28, 2022

Moncton City Council, at its Committee of the Whole Meeting of November 28, 2022, recommends the following:

1) **That** Moncton City Council adopt the updated Code of Conduct in City Facilities Policy.

2) **That** Moncton City Council approve the Municipal Emergency Measures Plan.

3) That Moncton City Council approve the proposed building square foot costs for 2023 as outlined in the table below, and

   That in future annual building valuation adjustments be included in the city's Building By-law and annual review of Fees and Charges By-law process.

SQUARE FOOT COSTS COMPARATIVE RESIDENTIAL BUILDING VALUATIONS ($ PER SQUARE FOOT)		
Residential Building Details	**City of Moncton 2022 (Existing)**	**City of Moncton 2023 (Proposed) ** 2 stage**
First Floor	100	125 (2023) 150 (2024) ** 2 year approach to get to $150
Second Floor	65	80
Attached Garage	30	40
Finished Basement	55	55
Deck	15	20
Mini Home	50	75 (2023) 105 (2024)
Deck with Roof	20	25
Finished Sunroom	50	60
Apartment (Wood)	Cost Estimate – but not lower than 90 per sq. foot	Cost Estimate – but not lower than 100 per sq. foot
Apartment (Reinforced Concrete)	Cost Estimate – but not lower than 110 per sq. foot	Cost Estimate – but not lower than 115 per sq. foot
Underground Parking	Cost Estimate – but not lower than 50 per sq. foot	Cost Estimate – but not lower than 60 per sq. foot

4) That Moncton City Council direct Administration to:
   - provide the Moncton Lions Community Centre located at 473 St George St. as an emergency shelter for the community as soon as possible.
   - work with the Board of Directors of the Lions Centre to temporarily relocate seniors programming to other community venues where possible for this period;
   - pursue advocacy with the Province to support a community group with required operating funds to deliver required services; mental health, additions, prescribing clinician and all necessary wrap around services.

- continue working with the Province and community non-profit organizations to consider actions to address gaps in the housing continuum.
- that possible tent options be in place no later than December 19, 2022.

Shelley Morton
City Clerk & Director, Legislative Services

/mjk

CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Jacques Doucet, Finance and Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	Public Hearing – 2023 BIA Levy
Presenters / Présentateurs	N/A

Item/Point	**10.1**
Time allocation/ Temps prévu	**15 minutes**
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

A Public Hearing has been set to hear any objections to the proposed 2023 Business Improvement Area (BIA) Levy.

BACKGROUND / CONTEXTE

This item has been submitted to City Council in accordance with the Business Improvement Area Act. The prescribed advertising of this budget along with the indication of the Tax Levy that will be imposed upon the member properties in the Business Improvement Area to generate the budget has been carried out (the advertisements are attached). The ads also directed citizens and business owners to the following website to view the proposed budget in its entirety – http://www.moncton.ca/civicads. No objections have been received as of the submission deadline of December 2, 2022.

RECOMMENDATION / RECOMMANDATION

- That Moncton City Council approve the Downtown Moncton Centre-ville Inc. proposed levy for the year 2023, in the amount of $929,049.00.
- That the proposed budget when published, establish the Special Levy Rate for 2023 at 0.16/$100.00 of Assessment based upon projected data – 2023 Assessments; and
- That Moncton City Council give first reading to By-Law A-1002.22.

ALTERNATIVES / AUTRES OPTIONS

- That Council give first reading to By-law A-1002.22 and postpone discussion regarding the proposed levy and budget to the next Public Council Meeting.
- Council may choose not to approve the proposed levy, special levy rate and 1st reading for the 2023 Downtown Moncton Centre-ville Inc. budget.

RISK ANALYSIS/ANALYSE DE RISQUES

According to the Business Improvement Areas Act, if Council does not approve a budget for any year, no levy shall be imposed in that year and the by-law with respect to that business improvement area shall be deemed to be repealed as of January 1 of that year.

CONSIDERATIONS / ENJEUX

Legal / Juridiques

Procedures mandated by the Business Improvement Areas Act. Should DMCI amend its budget, it will be required to follow the applicable approval and notice provisions of the Act.

Policy / Politiques / Plans

N/A

Financial / Financiers

Tax Levy will be imposed upon the members of properties in the BIA to generate the 2023 budget.

Environment / Environnement

N/A

Strategic Plan / Plan Stratégique

☐ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☐ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☒ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Attachments / Annexes

1. By-Law A-1002.22
2. Newspaper advertisements as per the NB Business Improvement Act dated November 9 and 16, 2022.

Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

City Clerk's Office,
Finance and Legal Departments
Business Improvement Act of NB

Communication and Official Languages Implications / Communications et langues officielles

Advertisements were published in both official languages.

BY-LAW # A-1002.22

A BY-LAW IN AMENDMENT OF A BY-LAW RELATING TO THE APPROVAL OF THE BUDGET FOR DOWNTOWN MONCTON CENTREVILLE INC. AND TO ESTABLISH A SPECIAL BUSINESS IMPROVEMENT AREA LEVY IN THE CITY OF MONCTON

BE IT ENACTED by the City Council of the City of Moncton as follows:

A By-Law Relating to the Approval of the Budget for Downtown Moncton Centreville Inc. and to Establish a Special Business Improvement Area Levy in the City of Moncton, being By-Law # A-1002, ordained and passed on the 2nd day of April, 2002, is hereby amended as follows:

1. Section 1 is deleted and the following substituted therefor:

1. A Special Business Improvement Levy in the amount of sixteen cents per one hundred dollars (0.16¢/$100.00) of assessment for the year beginning January 1, 2022, and ending on December 31, 2022, is hereby imposed on all business properties within the area described in A BY-LAW RELATING TO THE DESIGNATION AND ESTABLISHMENT OF A BUSINESS IMPROVEMENT AREA WITHIN THE BOUNDARIES OF THE CITY OF MONCTON, being By-Law # A-902.

2. Section 2 is deleted and the following substituted therefor:

2. Proceeds from the levy in the amount of $929,049.00 may be remitted following receipt by the City of Moncton to Downtown Moncton Centreville Inc. for the purposes contained in the budget submitted by Downtown Moncton Centreville Inc. and approved by Moncton City Council on December 19, 2022.

MADE AND PASSED

First Reading:
Second Reading:
Third Reading:

ARRÊTÉ Nº A-1002.22

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ CONCERNANT L'APPROBATION DU BUDGET DE DOWNTOWN MONCTON CENTREVILLE INC. ET L'ÉTABLISSEMENT D'UNE CONTRIBUTION SPÉCIALE POUR LA ZONE D'AMÉLIORATION DES AFFAIRES DE LA VILLE DE MONCTON

Le conseil municipal de la Ville de Moncton édicte :

L'*Arrêté concernant l'approbation du budget de Downtown Moncton Centreville Inc. et l'établissement d'une contribution spéciale pour la zone d'amélioration des affaires de la Ville de Moncton* (arrêté nº A-1002), fait et adopté le 2 avril 2002, est modifié ainsi qu'il suit :

1. L'article 1 est supprimé et remplacé par :

1. Une contribution pour l'amélioration des affaires, de l'ordre de seize cents par tranche de cent dollars d'évaluation (16 ¢/100 $) par année, débutant le 1er janvier 2022 et se terminant le 31 décembre 2022, est par la présente imposée sur toute entreprise sise à l'intérieur des limites précisées dans l'ARRÊTÉ CONCERNANT LA DÉSIGNATION ET L'ÉTABLISSEMENT D'UNE ZONE D'AMÉLIORATION DES AFFAIRES À L'INTÉRIEUR DES LIMITES DE LA VILLE DE MONCTON (arrêté nº A-902).

2. L'article 2 est supprimé et remplacé par :

2. Les revenus provenant de la contribution, soit 929 049,00 $, seront remis après avoir été reçus par la Ville de Moncton, à Downtown Moncton Centreville Inc. aux fins précisées dans le budget soumis par Downtown Moncton Centreville Inc. et approuvé par le conseil municipal de Moncton le 19 décembre 2022.

PRIS ET ADOPTÉ

Première lecture :
Deuxième lecture :
Troisième lecture :

_____
Mayor/Maire

_____
City Clerk/Secrétaire municipale

Doug Ford soutient que la nouvelle offre au SCFP est «améliorée»

Les négociations reprennent entre le gouvernement de l'Ontario et le syndicat représentant 55 000 travailleuses et travailleurs de l'éducation, qui sont rentrés au travail mardi matin après leur débrayage vendredi – et le premier ministre affirme que son gouvernement présente à la table une offre «améliorée».

Allison Jones
La Presse Canadienne

Doug Ford a promis lundi d'abroger la loi spéciale qui imposait des conventions aux 55 000 travailleurs de l'éducation membres du Syndicat canadien de la fonction publique (SCFP) — et leur interdisait de faire la grève. À la suite de cette promesse, le syndicat a accepté de mettre fin à sa grève générale illimitée et de reprendre les négociations.

Doug Ford s'est dit heureux que les deux parties soient de retour aux négociations.

Il a indiqué mardi matin qu'il ne pouvait pas entrer dans les détails de la nouvelle offre, mais son gouvernement aurait notamment bonifié les conditions pour les travailleurs à plus faible revenu.

Il a adopté un ton plus conciliant que lorsqu'il disait au Syndicat canadien de la fonction publique le mois dernier: «ne me forcez pas la main.»

«J'ai dépassé le stade des combats, a déclaré M. Ford mardi. Travaillons ensemble et avançons. C'est tout ce que je demande.»

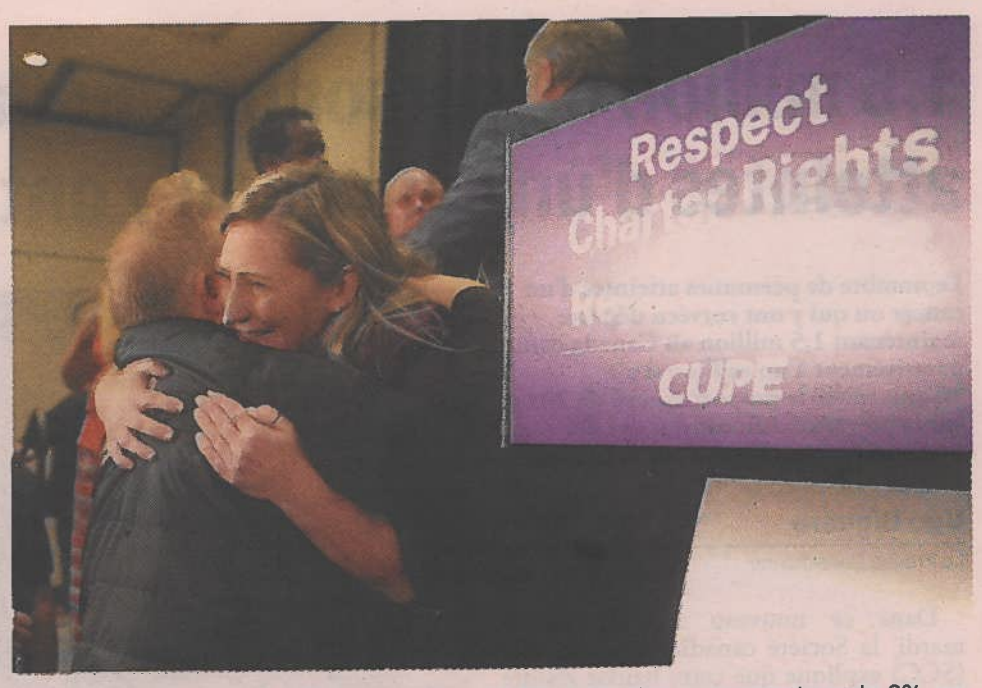
Le premier ministre a toutefois prévenu que toute entente avec ces 55 000 travailleurs de l'éducation aura un impact sur les quatre principales conventions collectives d'enseignants qui sont actuellement renégociées en Ontario. M. Ford souligne donc que les augmentations consenties au SCFP pourraient coûter ensuite des «dizaines de milliards de dollars» pour hausser les salaires des enseignants.

«C'est de l'argent dont nous avons besoin pour les écoles, les soins de santé, le transport en commun et les infrastructures, a déclaré M. Ford. C'est de l'argent dont nous avons besoin pour les services vitaux sur lesquels comptent les travailleurs acharnés de cette province.»

Le gouvernement avait initialement proposé à la table des augmentations de 2% par année pour les travailleurs gagnant moins de 40 000$ et de 1,25% pour tous les autres.

La convention de quatre ans imposée par la loi spéciale, qui sera bientôt abrogée, accordait des augmentations annuelles de 2,5% aux travailleurs gagnant moins de 43 000$ et de 1,5% pour tous les autres.

Le SCFP a déclaré que le calcul n'était pas précis, car les augmentations dépendent en fait des salaires horaires et des échelles salariales, de sorte que la majorité des travailleurs qui gagnent moins de 43 000$ par an n'obtiendraient pas 2,5%.



Le gouvernement avait initialement proposé à la table des augmentations de 2% par année pour les travailleurs gagnant moins de 40 000$ et de 1,25% pour tous les autres. - La Presse canadienne: Nathan Denette

Le SCFP demandait initialement des augmentations salariales annuelles de 11,7%; il soutient avoir déposé une contre-offre qui réduisait de moitié cette demande initiale.

Le premier ministre Ford a affirmé mardi que son gouvernement avait d'abord offert aux syndiqués du SCFP un montant plus élevé que ce qui figurait dans son projet initial de convention, et il a été «renversé» de voir le SCFP refuser cette offre.

«Je pensais que nous avions un accord, a-t-il déclaré. J'étais convaincu que nous avions un accord et tout d'un coup, ils sont revenus dans mon bureau et ont dit: «Il n'y a pas d'accord», j'étais abasourdi.»

La grève du SCFP par les travailleurs, y compris les assistants en éducation, les bibliothécaires et les concierges, a commencé vendredi, fermant des centaines d'écoles à l'apprentissage en personne, et s'est prolongée jusqu'à lundi. ■

EN BREF

Trudeau a dit à Ford qu'il n'avait pas besoin de plus d'outils pour rouvrir le pont

Un document publié à la commission Rouleau montre qu'avant d'invoquer la Loi sur les mesures d'urgence, l'hiver dernier, Justin Trudeau a déclaré à Doug Ford que la police n'avait pas besoin de plus d'outils juridiques pour déloger les manifestants du pont Ambassador.

Un compte rendu de cette conversation du 9 février entre les deux premiers ministres a été déposé en preuve à la Commission sur l'état d'urgence, qui enquête sur la décision du gouvernement fédéral d'invoquer la Loi sur les mesures d'urgence. Cette loi octroyait aux autorités des pouvoirs temporaires et exceptionnels dans le but de déloger les manifestants du centre-ville d'Ottawa et de passages frontaliers.

Selon ce compte rendu, M. Ford a dit à M. Trudeau que la réouverture du pont Ambassador, entre Windsor et Detroit, était prioritaire pour son gouvernement, et que le procureur général de l'Ontario cherchait des moyens juridiques de donner à la police plus d'outils.

M. Trudeau déclare alors que cette manifestation est illégale et que le gouvernement de l'Ontario ne devrait pas avoir besoin de plus d'outils juridiques, selon le compte rendu.

Le gouvernement libéral de Justin Trudeau a invoqué la Loi sur les mesures d'urgence le 14 février, le jour même où le pont Ambassador, libéré des manifestants, a rouvert à la circulation.

La Commission sur l'état d'urgence, présidée par le juge Paul Rouleau, tient des audiences publiques à Ottawa jusqu'au 25 novembre. - La Presse Canadienne

655, rue Main, Moncton NB, E1C 1E8

AVIS

Lors de la séance ordinaire publique du 7 novembre 2022, le conseil municipal a reçu le budget d'exploitation pour 2023 de Downtown Moncton Centre-ville Inc. dans le but de l'approuver.

Les **OBJECTIONS** à ce budget peuvent être soumises par écrit à la greffière, avant 16 h 30 le 2 décembre 2022, et doivent être adressées au Bureau de la greffière, 655, rue Main, hôtel de ville, Moncton (N.-B) E1C 1E8. Une audience publique aura lieu le lundi 5 décembre 2022 dès 16 h dans la salle du conseil, 655, rue Main, Moncton (N.-B.).

La contribution requise pour mettre ce budget en œuvre est estimée à environ 0,16 $ par 100 $ d'évaluation selon les données prévues — Évaluations 2022 fournies par le ministère de l'Environnement et des Gouvernements locaux.

Visitez le site Web suivant pour voir le budget proposé : http://www.moncton.ca/civic-ads

Shelley M. Morton

Greffière/directrice du soutien législatif

Inséré conformément aux exigences de la Loi sur les zones d'amélioration des affaires, Lois du Nouveau-Brunswick, L.R.N.-B. 2014, ch. 102.

moncton.ca • 506.853.3333

MONCTON

85158sl

New charges laid in murder case

CRAIG BABSTOCK
TIMES & TRANSCRIPT

New charges were laid on Tuesday against a man already charged with murder in connection to the October killing of an Elsipogtog man.

Nibogtoog Leonard Francis, 46, of Oak Street in Elsipogtog, and his father Harvey Joseph Francis, 69, of Graham Road in Elsipogtog, made an appearance in Moncton provincial court, charged with the second-degree murder of Alexander Matthew Peters on Oct. 7. The younger Francis has lawyer Gilles Lemieux defending him, while lawyer Brian Munro made his first appearance for the elder Francis on Tuesday.

The court appearance started with the lawyers objecting to the two men being kept apart. Nibotoog Francis was charged after Peters' death but Harvey Francis was charged on Oct. 25, and at that time the court ordered him to have no contact with his son at the request of the Crown.

In general, it's not uncommon for the Crown to ask for a no-contact order between co-accused and sometimes that results in them being dealt with one at a time in court so they don't cross paths.

But before either accused was brought into court on Tuesday, Munro said he just learned of the order, and said an accused person shouldn't be excluded from court when another person they are jointly charged with is before the judge.

"It's not proper," he said.

Prosecutor Logan Landry asked for the no-contact order to be maintained.

"They are jointly charged for a murder that was jointly committed," he said, suggesting the two accused be kept separated when they are in the prisoner's dock together.

"With respect to my friend, I can't believe what I'm hearing ...." said Munro.

After considering the matter, Judge Paul Duffie said he was refusing the prosecutor's request for the order. He said case law would have to be provided if the Crown wants the court to order the co-accused to have no contact.

The case was in court for the accused to elect their mode of trial, but the lawyers asked for more time to get disclosure of evidence from the Crown, so the court set it over to Nov. 18.

New charges were laid against Nibogtoog Francis on Tuesday, including allegations he assaulted Shyleight Simon with a knife on Oct. 7 in Elsipogtog, committed assault causing bodily harm against her and uttered a death threat to her.

The RCMP said in a news release that on Oct. 7, at approximately 6 a.m., they responded to a report of an altercation at a residence on Oak Street, in Elsipogtog. When police arrived they found a man in medical distress, who appeared to have suffered stab wounds. The man, 36-year-old Peters, died at the scene as a result of his injuries and police determined his death was a homicide.

Later that same day, a 46-year-old man was arrested in the community, and a weapon was located and seized by police.

Nibogtoog Francis was charged with second-degree murder in the death of Peters on Oct. 7. During an Oct. 11 court appearance, Francis told the court over video conference from jail that he acted in self-defence.

In the initial news release on the incident, police said they are interested in speaking to anyone who lives in the areas of Oak Street or Graham Road in Elsipogtog First Nation and may have video surveillance footage, or who was driving through those areas between midnight and 9 a.m. on Oct. 7, and may have witnessed anything suspicious or have dash-cam footage.

Victoria Park's unknown soldier marks a century of service

ALAN COCHRANE
TIMES & TRANSCRIPT

Moncton's unknownsoldier will quietly mark a century of service Friday.

The bronze statue of a soldier in Victoria Park was unveiled 100 years ago, on Nov. 11, 1922, as a tribute to the soldiers from Moncton and surrounding areas who did not return home from the First World War. The Moncton statue is sombre and reflective, the soldier staring straight ahead as if listening to the recitation of the poem, In Flanders Fields, remembering lost friends and perhaps reflecting on his own mortality.

The statue represents the common soldier, clad in a thick greatcoat and heavy boots covered in mud, his "tin hat" helmet resting on the butt of his Lee Enfield rifle. The Tommy (a nickname used for British soldiers of the past) stands on a block of granite inscribed with the names of Moncton soldiers lost in the First World War. Additional markers were added later by the Moncton Branch 6, Royal Canadian Legion, with names from the Second World War and Korean War. An identical statue can be found in Lindsay, Ont.

According to stories in the Moncton Times in November 1922, the money raised to purchase the bronze statue and cenotaph was raised by the Lt. Col. Boyd Anderson Chapter of the International Order of the Daughters of the Empire. The women's service group was formed in 1919, named for Anderson, a Moncton officer who led troops during the war.

The IODE chose the design from the Peter Thompson Company of Upper Canada which came with a price tag of $7,000. They held bake sales, rummage sales, and afternoon teas at the Brunswick Hotel to raise the money for the monument. They had dances, a pageant and sold tickets on a bridal trousseau. They also received large donations from families, and continued paying for it as it was delivered in the summer of 1922, and plans were set for the Armistice Day event and its unveiling.

The Moncton Times reported that on Nov. 11, 1922, nearly 1,000 "returned soldiers" from the war marched from the old armoury building at the corner of Mountain Road and Henry Street to Victoria Park. Thousands more joined in the celebration to honour those who returned and those who were killed in the many battles. The statue was unveiled by Stanley Steeves and Peter Legere, who had served with Moncton's 8th Battery during the Battle of the Somme and the Second Battle of Ypres. The names of soldiers they left behind were etched on the memorial plaque. The ceremony was overseen by Lt.-Col. S. Boyd Anderson, a teacher at Moncton's Aberdeen School who went overseas to lead troops from his hometown through the war. Anderson was awarded the Distinguished Service Order for his actions during the Second Battle of Ypres, when Canadian soldiers were attacked with deadly chlorine gas.

The Victoria Park cenotaph was used for Remembrance Day ceremonies for many years, until Moncton's official ceremony was moved to the Coliseum in the 1990s. The decision to move came after a few years of freezing rain and cold, but each year on Nov. 11, crowds still gather at the cenotaph to observe a moment of silence and pay their respects to Canada's lost soldiers. At the end of the service, people lay their poppies and children leave hand-drawn pictures and messages.

The unknown soldier monument at Victoria Park on Moncton was unveiled 100 years ago, on Nov. 11, 1922.
PHOTO: ALAN COCHRANE/TIMES & TRANSCRIPT

Nov. 11 ceremonies

- **Moncton Coliseum:** Moncton Branch 6, Royal Canadian Legion, will host the community Remembrance Day ceremony at the Coliseum, which is open to the public for the first time in two years. The parade will begin at 10:30 a.m. and include prayers, laying of wreaths and two minutes of silence.
- **Victoria Park:** Unofficial Remembrance Day ceremony at the cenotaph at 11 a.m.
- **Sunny Brae:** A portion of Broadway Street and Massey Avenue to Peter Street will be closed at 10 a.m. for a parade from the Sunny Brae Legion to the park, where the Remembrance Day ceremony will be held at 11 a.m.
- **Riverview:** The Town of Riverview will host its annual Remembrance Day service at Immaculate Heart of Mary Church (5 Fatima Drive) starting at 10:50 a.m. on Friday, November 11, 2022. Veterans will gather at the Dan Bohan Centre to march into the church alongside fire and police personnel as well as local cadets, guides and scouts. Veterans and their families have been invited to attend a reception immediately following the service at Riverview Fire and Rescue.
- **Dieppe:** The City of Dieppe, in collaboration with the Dieppe Military Veterans Association, will hold a ceremony Nov. 11 at École Mathieu-Martin (511 Champlain Street). The parade of veterans, cadets and members of the RCMP will form up at 10:30 a.m. and march into the school for the 11 a.m. ceremony.
- **Hillsborough:** The Hillsborough Legion will hold Remembrance Day ceremonies on Nov. 9 at 10:30 a.m. in Alma, Nov. 10 at 10:30 a.m. in Riverside Albert and Nov. 11 at 10:30 a.m. at Caledonia HIgh School in Hillsborough.
- **Shediac:** Remembrance Day Service at Pascal Poirier Park starting at 10:30 am., with wreath-laying at the cenotaph and a reception at the Legion following the service.
- **Sackville:** Parade will form at the Sackville Legion at 10:30 a.m., and march to Memorial Park for the Remembrance Day service at 11 a.m. Reception at the Sackville Legion after the service.

Crash kills two teens

CRASH ···→A1

single-vehicle crash shortly before 7:30 a.m. on Monday near the intersection of Route 370, and Côte Road in Haut-Sheila, 70 km southeast of Bathurst.

An 18-year-old passenger from Chiasson Office, southeast of Lameque, died at the scene, police said, while another passenger, a Paquetville teen, was transported to hospital where he later died from his injuries.

The driver of the vehicle was taken to hospital with what are believed to be life-threatening injuries, RCMP stated in the news release.

Police said the vehicle rolled into a ditch, and speed may have been a factor.

The Tracadie Fire Department, Ambulance New Brunswick, and an RCMP reconstructionist attended the scene, RCMP said.

Autopsies will be scheduled to determine the exact cause of the deaths, police said.

The investigation is ongoing.

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655 Main Street

NOTICE

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OBJECTIONS to said budget may be submitted, in writing, to the City Clerk prior to 4:30 p.m. December 2, 2022, addressed to City Clerk's Office, 655 Main Street, City Hall, Moncton, N. B., E1C 1E8. Public Hearing will be held Monday, December 5, 2022 at 4 pm in Council Chambers, 655 Main Street, Moncton, NB.

The extent of the Levy needed to implement this budget is calculated to be 0.16/$100.00 of Assessment based upon provided data – 2023 Assessments as provided by the Department of Environment & Local Government.

Visit the following website to view the proposed budget – http://www.moncton.ca/civic-ads

Shelley M. Morton
City Clerk/Director of Legislative Support

Inserted as per the statutory Requirements of the Business Improvement Areas Act, R.S.N.B. 2014, c.102.

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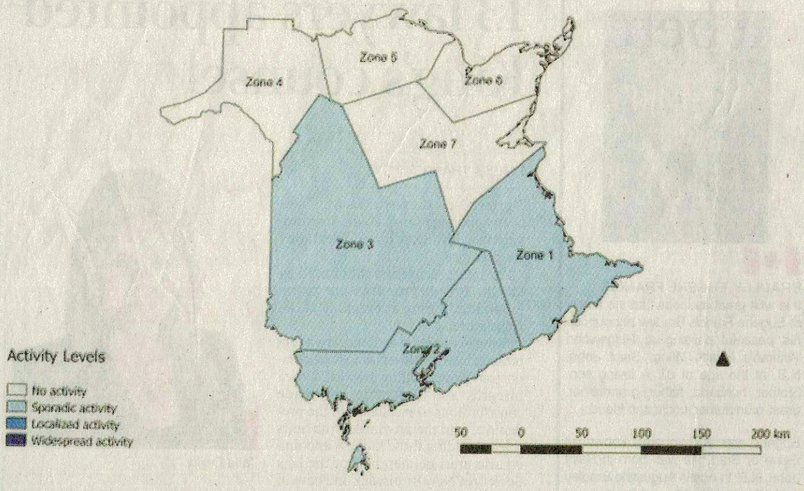
NEWS



Canada's influenza season has been declared an epidemic, and three of New Brunswick's seven health zones were reporting 'localized activity' by the end of last month. IMAGE: GOVERNMENT OF NEW BRUNSWICK

Flu season now an epidemic: feds

EPIDEMIC ···→A1

year," read part of the federal government's latest "FluWatch" update.

The "threshold" is five per cent positivity.

For the week ending Nov. 5, the national positivity rate was 11.7 per cent, up from 6.3 per cent in the previous two weeks.

So far this flu season, the FluWatch report reads, there have been 2,473 laboratory-confirmed influenza detections "with age information reported" – and of that number, 1,439 (58 per cent) involved children and teenagers.

In New Brunswick, health zones 1, 2, and 3 – the Moncton, Saint John, and Fredericton regions – were all reporting "localized activity" as of Oct. 29. The next update is expected to be released in the coming days.

Localized activity is defined as "evidence of increased ILI [Influenza-like illness] with lab confirmed influenza detection(s) and outbreaks in schools, hospitals, residential institutions and/or other types of facilities occurring in less than 50 per cent of the influenza surveillance region."

> **We expect that this season will be a much more severe influenza season than what we've seen in the previous two years, where we had very little influenza.**
>
> DR. YVES LEGER

Brunswick News asked to speak to the province about the influenza data, but was told deputy chief medical health officer Dr. Yves Leger wasn't available.

"As the weather becomes cooler and people spend more time indoors, there are more chances to spread viruses," he said in an October press release. "Vaccination remains the best way to prevent severe symptoms of COVID-19 and influenza."

"We expect that this season will be a much more severe influenza season than what we've seen in the previous two years, where we had very little influenza," Leger told Brunswick News in early October.

According to the province's latest update, "since the beginning of the season, 22 hospitalizations have been reported and two deaths."

"The ILI consultation rate was 62.5 and 60.2 per 1,000 patients visits for weeks 42 & 43, respectively. The ILI rate was above the expected levels for this time of year."

Higgs stands by Austin

AUSTIN ···→A1

MLAs, whose recommendations are due before the end of the legislative session in mid-December.

Higgs divulged that Austin was on the ad-hoc committee two weeks ago, despite meeting behind closed doors over the last month twice, a revelation that outraged critics. They are upset with Austin's long-held stances on getting rid of the Official Languages commissioner and blending the health authority whose language of operation is primarily French with the mostly English-speaking one, among others.

"Has anyone in any part of the province not had their rights respected under this government?" Higgs said on the floor of the house. "I would say no. There has been no changes, no decreases."

The Tory premier turned his ire on the Trudeau Liberal government in Ottawa, blaming it for meddling in New Brunswick's affairs. Last week, Prime Minister Justin Trudeau condemned Austin's inclusion on the committee.

"There's a lot of hype created here because it serves the purpose of the Liberal government, the federal Liberal government to divide our province," Higgs said. "The prime minister coming down here last week, Mr. Speaker, and making an issue of it. It's not a federal issue, it's a provincial issue, but he's done that on more than one account."

Higgs repeated his government's goals of ensuring all New Brunswickers become bilingual, arguing it was a failure that after 53 years of official bilingualism in New Brunswick, three out of every four anglophone students were graduating without being able to speak in French.

Official Opposition Leader Rob McKee said the premier was mixing up two different issues – education and an act meant to protect language rights.

He called it a shame that the Tories were creating a wedge between the two linguistic communities.

"Why is the premier creating tensions and continuing to divide the province?" McKee said. "We're dealing with a distraction here. I want to know what the premier is doing about the cost of living. That's what we should be talking about, not this distraction."

Austin, who is also the public safety minister, did not take reporter's questions Tuesday and left the legislature after introducing a new bill meant to help stop intimate partner violence.

Earlier in the day, the francophone groups held a media conference in a hotel across the street from the legislature, demanding Austin's resignation from the committee.

"Just a few months ago, Mr. Austin was still campaigning for the abolition of the Office of the Commissioner of Official Languages, the merger of health authorities, the establishment of bilingual school buses and the reduction of language requirements in public services," said Yvon Godin, president of the Francophone Association of New Brunswick Municipalities and mayor of Bertrand, a village on the Acadian Peninsula. "These demands have no place in a closed-door ministerial committee established to review the Official Languages Act, and certainly not in Canada's only bilingual province."

Premier Blaine Higgs
PHOTO: JOHN CHILIBECK/LEGISLATURE BUREAU

The most spirited exchange in the house took place between Liberal deputy leader Isabelle Thériault and Tory cabinet minister Daniel Allain, most of it shouting across the floor. At one point, Speaker Bill Oliver stood and told them they could take it up outside.

"Often this minister will interrupt us when we ask questions, but when he stands up he has a hard time finishing his sentences," Thériault said, glaring at Allain. "He said he's a proud Acadian. Well, is he going to take a position to defend his people?"

Allain, quite coolly, replied that such types of discussions, between cabinet or otherwise, were not open to the public, but answers would be forthcoming when the committee's recommendations are made public in mid-December.

Later, Higgs told reporters that people were getting worked up about the issue without even waiting to see what the committee would decide.

He refused to say what direction it was leaning.

"People need to wait for the response," the premier said, adding that he wanted to meet with the leaders of the 21 organizations which had held a press conference earlier. "I listen to everyone's concerns. And like I said earlier today, give me an example of where this government has not been responsive to the needs of a bilingual province and our obligations under the Official Languages Act?"

Green MLA Kevin Arseneau, a francophone from Kent County, was quick to pounce.

"He's putting oil on the fire, and he's continuing to do so by not listening," the politician said. "I sincerely think he doesn't care. He's proven mathematically that he can win without the francophones. We've seen in his whole political career, he's this kind of person who thinks he knows better than everyone and anyone."

Arseneau said it was obvious the provincial government wasn't meeting its obligations under the law when it came to bilingual services.

"Have you spent any time in Fredericton? Every meeting is in English."

The Green MLA added that the premier had no interest in making sure the two linguistic groups had equality, but was more concerned with catering it to a minority of anglophones who feel threatened by linguistic rights.

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Shelley M. Morton
City Clerk/Director of Legislative Support

Inserted as per the statutory Requirements of the Business Improvement Areas Act, R.S.N.B. 2014, c.102.

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320

Le dôme bientôt installé sur le toit du pavillon Irène-Léger à Shippagan

À quoi peut bien servir ce dôme se trouvant, mine de rien, dans le stationnement devant l'édifice de l'Université de Moncton, campus de Shippagan (UMCS)?

Mario Tardif
mario.tardif@acadienouvelle.com
IJL – Réseau.Presse – Acadie Nouvelle

La demi-bulle d'une teinte argentée est protégée par des parois de ciment à l'entrée du campus. Ceux et celles qui ne l'ont pas encore repérée devront faire vite, car la pièce mystère sera bientôt installée sur le toit du pavillon Irène-Léger à l'UMCS.

«Certaines personnes l'appellent le champignon», informe le professeur de mathématiques à l'UMCS, Pierre Philippe Ferguson.

Le dôme fait partie du projet de construction d'un observatoire astronomique au Campus de Shippagan, un projet de longue haleine qui finalement se concrétise.

Il a été fabriqué par Ash Manufacturing Company aux États-Unis. Cette entreprise spécialisée est reconnue pour la fabrication de dômes astronomiques partout dans le monde. La coupole est d'un diamètre de 4,4 mètres et effectue des rotations sur elle-même pour garder son ouverture vers la direction pointée par le télescope.

«Le dôme est au stationnement depuis l'été. On prévoit le monter dans les prochaines semaines en haut du pavillon Irène-Léger de l'Université pour essentiellement obtenir un observatoire astronomique», indique le professeur d'université.

Selon le scientifique, l'observatoire abritera un télescope de haute qualité. Le dôme sert à protéger le télescope comme tel.

«C'est une protection mais en même temps c'est pour cacher un petit peu la lumière, et laisser une petite ouverture afin que le télescope puisse observer un certain endroit dans le ciel», explique le professeur.

«C'est une partie du projet de l'observatoire, parce que le télescope comme tel c'est quelque chose de complètement séparé qui va être installé dans une base», poursuit le gestionnaire du projet.

Un télescope Meade d'un diamètre de 40 centimètres muni d'un système informatique comprenant une bibliothèque d'objets célestes pour le repérage et l'alignement précis d'objets astraux est déjà rendu à Shippagan depuis plus d'un an.

Un pied de support du télescope, conçu avec précision selon les coordonnées géographiques de l'emplacement, est également arrivé à destination.

Des travailleurs s'activent au-dessus du quatrième étage de l'édifice, là où l'observatoire sera aménagé.

«Les murs sont installés. Les ouvriers sont là pour renforcer le tout. Dans peu de temps, il y aura une grue qui va apporter le dôme au-dessus de ce nouvel étage», affirme Pierre Philippe Ferguson.

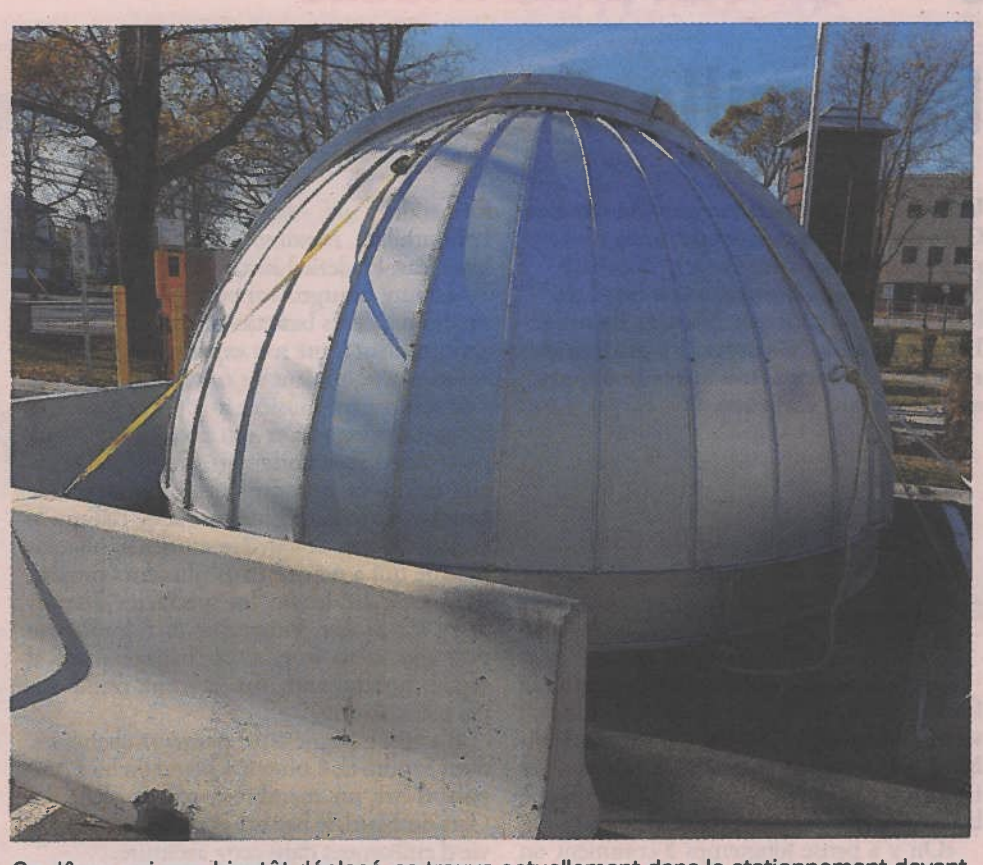
Les gens à l'extérieur du campus peuvent d'ailleurs apercevoir des échafauds devant la nouvelle section aménagée.

Le professeur au secteur sciences a toujours eu un intérêt pour l'astronomie. Il avait utilisé un télescope similaire à l'observatoire situé sur le toit de l'édifice Taillon au Campus de Moncton.

«Je me suis basé sur l'idée pour la région du Nord-Est», témoigne-t-il.

Le gestionnaire met l'accent sur l'aspect communautaire du projet.

«Bien sûr à l'université, on veut utiliser le télescope dans le cadre de nos cours de physique et d'astronomie, mais en réalité, comme vous savez, c'est les gens de la communauté, ce sont les écoles et différents organismes qui sont intéressés à venir», assure Pierre Philippe Ferguson.



Ce dôme, qui sera bientôt déplacé, se trouve actuellement dans le stationnement devant l'édifice de l'Université de Moncton, campus de Shippagan. - Acadie Nouvelle: Mario Tardif

«Ça fait depuis 2017 qu'on en parle, dit le scientifique. Maintenant le concret est là. Ça va être un beau cadeau de Noël qui s'en vient, croit-il. On veut vraiment le terminer avant que l'hiver commence. Je peux déjà dire qu'au début 2023, il va y avoir des séances d'observations communautaires.»

Son équipe et lui travaillent aussi à l'établissement d'un club amateur d'astronomie.

«Il y a beaucoup de gens dans la région qui ont un intérêt en astronomie. On veut rassembler tout le monde», déclare M. Ferguson. ■

EN BREF

Une autre bonne bordée de neige se dirige vers le Nouveau-Brunswick

Si la majeure partie du nord du Nouveau-Brunswick s'est réveillée sous la neige lundi matin, le sud et le centre goûteront aussi aux joies de l'hiver, mercredi et jeudi, alors que de fortes accumulations de neige sont prévues sur toute la province.
Dans un avertissement émis par Environnement Canada tôt mardi après-midi, on apprend que près de 15 cm de neige sont attendus sur le sud-ouest du N.-B. et que de 20 à 30 cm pourraient tomber sur les régions du centre et du nord.
Selon l'agence fédérale, les précipitations débuteront mercredi midi.
«La neige se propagera sur le centre et sur le nord mercredi après-midi. Le rythme d'accumulation de la neige sera parfois important pendant l'heure de pointe mercredi soir dans de nombreuses régions, ce qui rendra les conditions routières difficiles. Les régions près du mont Carleton et de la route Renous recevront le plus de neige dans le cadre de cet épisode.» - AN

655, rue Main, Moncton NB, E1C 1E8

AVIS

Lors de la séance ordinaire publique du 7 novembre 2022, le conseil municipal a reçu le budget d'exploitation pour 2023 de Downtown Moncton Centre-ville Inc. dans le but de l'approuver.

Les **OBJECTIONS** à ce budget peuvent être soumises par écrit à la greffière, avant 16 h 30 le 2 décembre 2022, et doivent être adressées au Bureau de la greffière, 655, rue Main, hôtel de ville, Moncton (N.-B) E1C 1E8. Une audience publique aura lieu le lundi 5 décembre 2022 dès 16 h dans la salle du conseil, 655, rue Main, Moncton (N.-B.).

La contribution requise pour mettre ce budget en œuvre est estimée à environ 0,16 $ par 100 $ d'évaluation selon les données prévues — Évaluations 2022 fournies par le ministère de l'Environnement et des Gouvernements locaux.

Visitez le site Web suivant pour voir le budget proposé : http://www.moncton.ca/civic-ads

Shelley M. Morton

Greffière/directrice du soutien législatif

Inséré conformément aux exigences de la Loi sur les zones d'amélioration des affaires, Lois du Nouveau-Brunswick, L.R.N.-B. 2014, ch. 102.

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CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Katherine MacIntyre, Community Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	**Recommendation to Award Quotation #QP22-082 – Janitorial Services (Magnetic Hill Zoo)**
Presenters / Présentateurs	▪ Jill Marvin, Director – Zoo ▪ Tanya Carter, Purchasing Manager

Item/Point	10.2
Time allocation/ Temps prévu	15 miinutes
Office of the City Clerk Bureau de la greffière	

PURPOSE / OBJET

The City of Moncton is seeking to engage the services of an established, experienced firm to provide janitorial services for various buildings at the Magnetic Hill Zoo.

BACKGROUND / CONTEXTE

The Magnetic Hill Zoo requires daily, weekly, and annual janitorial services during the “peak” operating season and “low” season for several buildings located within the facility, which include the Zoo Admissions building, the Animal Care building, the Education building, the Yellow Washroom building, the Green Washroom building, the Imaginarium section of the Education building, the Summer Camp Education building, and the Acadian Forest Bistro.

A total of four (4) bids were received in response to Quotation #QP22-082:

BIDDER	TOTAL ESTIMATED ANNUAL CONTRACT VALUE
Crystal Clean Maintenance Ltd.	**$53,959.75, including H.S.T. @ 15%**
Starclean Cleaning Service	$63,146.50, including H.S.T. @ 15%
Dexterra Group Inc.	$74,831.63, including H.S.T. @ 15%
Skyblue Services Corp.	$94,098.75, including H.S.T. @ 15%

The proposed term of the agreement is for a twelve (12) month period, commencing from the date of award, with options to renew the agreement for up to four (4) additional twelve (12) month periods, if it is in the City’s best interest to do so.

RECOMMENDATION / RECOMMANDATION

That Moncton City Council award **Quotation #QP22-082 for Janitorial Services at the Magnetic Hill Zoo** to the lowest bidder, being **Crystal Clean Maintenance Ltd.** for a one (1) year period, in accordance with the Unit Pricing specified in their bid submission, which represents a **Total Estimated Annual Contract Value of $53,959.75, including H.S.T. @ 15%**, with options to extend the agreement for up to four (4) additional twelve (12) month periods, if it is in the City’s best interest to do so.

ALTERNATIVES / AUTRES OPTIONS

- City Council may choose to postpone the award of this Quotation and request additional information from Administration.
- Council may instruct the Magnetic Hill Zoo to explore opportunities to reduce the scope of work (i.e. reduce the frequency of services, eliminate specific janitorial tasks, eliminate

specific building areas) specified within the current bid document. The City will then be required to either negotiate a reduced rate with the current low Bidder, or issue a new Quotation to the marketplace, depending on the degree of revisions / reductions made to the current scope of work.

- City Council may choose not to award this Quotation and provide direction to Administration on how it wishes to proceed.

RISK ANALYSIS/ANALYSE DE RISQUES

Having this contract in place will assist the Zoo with ensuring that high-traffic areas and / or public areas are cleaned and sanitized in a timely fashion on a daily and weekly basis. If the cleanliness of the buildings were not properly maintained, the health and well-being of Zoo employees and the general public would be compromised

At the present time, the Zoo does not have sufficient internal resources to carry out this work on a daily basis and complete routine cleanings in a consistent and timely fashion.

Every effort was made by Magnetic Hill Zoo staff to ensure the scope of janitorial services required were essential and were focused on highest-traffic areas of the Zoo; therefore, it may prove difficult to find opportunities to further reduce the current scope of work.

CONSIDERATIONS / ENJEUX

Legal / Juridiques

Subject to City Council's approval to award this Quotation, a Standing Offer agreement will be established by the Purchasing Department.

Policy / Politiques / Plans

This bidding process was carried out in conformance with the City of Moncton's Corporate Procurement Policy, and the Province of New Brunswick's Procurement Act.

Financial / Financiers

Funding for this service agreement would be generated from combined savings achieved through the reduction of two (2) student positions, and efficiencies found in Professional Services.

Impact on Resources / Impact sur les ressources

Zoo Administration will be responsible for the day-to-day oversight and management of this service agreement.

Environment / Environnement

N / A

Strategic Plan / Plan stratégique

☒ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☒ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☒ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☐ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

- Economy Pillar
    - Develop Magnetic Hill Park

Attachments / Annexes

N/A

Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

Bid submissions were reviewed by Magnetic Hill Zoo and Purchasing Department staff.

Communication and Official Languages Implications / Communications et langues officielles

N / A

CITY COUNCIL REPORT
RAPPORT AU CONSEIL DE VILLE

Item/Point	10.3
Time allocation/ Temps prévu	15 minutes
Office of the City Clerk Bureau de la greffière	

To/Destinataire	Public Council Session
From/Expéditeur	Marc Landry, City Manager/ Directeur municipal
Responsible General Manager / Directeur général responsable	Alexandre Binette Operations Services
Meeting Date / Date de la séance	December 5, 2022
Topic / Sujet	**Recommendation to Award Request for Proposal #RFP22-042 – HVACR and Gas Heating Preventive Maintenance and Repair Services**
Presenters / Présentateurs	▪ Alcide Richard, Director of Facilities ▪ Tanya Carter, Purchasing Manager

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PURPOSE / OBJET

Administration is seeking Council's approval to award Request for Proposal #RFP22-042. Once awarded the contract will provide preventive maintenance services on mechanical equipment pertaining to building Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) along with Gas Heating (Natural Gas and/or Propane) equipment for all facilities owned, managed and operated by City of Moncton.

The scope of this RFP does NOT include Plumbing and Hydronic Heating Services.

BACKGROUND / CONTEXTE

The City of Moncton requires the services of a licensed and experienced Mechanical Systems Contractor to provide preventive maintenance for its building HVACR systems, and Gas Heating (Propane and/or Natural Gas) systems. The successful Contractor will also provide Condition Assessment Scores on an annual basis (at a minimum) for the equipment identified under the scope of this agreement. This will assist Administration in planning and budgeting future HVACR project and repairs.

In addition to the Preventive Maintenance work specified herein, the successful Contractor(s) shall provide the City of Moncton with repair services on an "as required" basis by authorized City staff. The proposed term of this agreement shall be for a twelve (12) month period, with options to renew the agreement for up to four (4) additional twelve (12) month periods, if it is in the City's best interest to do so.

A total of five (5) proposal submissions were received from the following firms:

- Black & McDonald
- Carmichael Engineering Ltd.
- Controls & Equipment
- PMC Energy Performance
- Valley Refrigeration & Air Conditioning Ltd.

A three (3) stage evaluation process was established for this RFP, as follows:

- Stage I – Evaluation of Weighted Criteria and Pricing
- Stage II – Presentations / Product Demonstrations (Short-Listed Proponents Only)
- Stage III – Ranking of Short-Listed Proponents and best and final offer negotiations

As part of Stage I, the compliant Proposal submissions were evaluated based on the following evaluation criteria:

BACKGROUND / CONTEXTE (Cont'd)

EVALUATION CRITERIA	WEIGHT
Proponent's Qualifications and Experience	10%
Project Team Qualifications and Experience	20%
Client References	10%
Work plan, Methodology and Schedule	40%
Costs / Fees	20%
TOTAL:	**100%**

Only those Proponents achieving a minimum technical score of 50% out of a possible 80% received further consideration.

Stage II of the evaluation process was then carried out with the two (2) highest-scoring Proponents from Stage I (Black & McDonald and PMC Energy Performance). A weighting of 25% was assigned to the Stage II evaluation process, which vetted each Proponent's proposed preventive maintenance and repair services solution for HVACR Systems and Gas Heating on the following functions:

- Overview of proposed HVACR and Gas Heating Preventive Maintenance & Repair Services
- Product Demonstration of proposed Preventive Maintenance & Repair Services computerized system
- Scenarios of Scheduled Preventive Maintenance, Service Calls and Emergency Calls

The final scores achieved by the two (2) short-listed firms at the end of Stage II were as follows:

- **Black & McDonald – Final Score: 113.30%** (out of 125%)
- PMC Energy Performance – Final Score: 103.77% (out of 125%)

RECOMMENDATION / RECOMMANDATION

That Moncton City Council award Request for Proposal #RFP22-042 – HVACR and Gas Heating Preventive Maintenance Repair Services, to the highest scoring Proponent meeting all Terms and Conditions, Specifications, and Requirements, being Black & McDonald, for a one (1) year period at a Total Estimated Annual Contract Value of $126,310.25, including H.S.T. @15%, with options to extend the agreement up to four (4) additional twelve (12) month periods, if it is deemed to be in the City's best interest to do so.

ALTERNATIVES / AUTRES OPTIONS

- Council may choose to postpone the award of this RFP, and request additional information from Administration.
- City Council may choose not to award this RFP and direct Administration on how it wishes to proceed.

RISK ANALYSIS/ANALYSE DE RISQUES

This service agreement will assist Facilities with improving upon current condition asset management data and processes relating to the HVACR and Gas Heating systems operating within our municipal facilities. This in turn, should help to prolong the life expectancy of these systems, reduce the likelihood of unexpected failures while promoting energy efficiency, and supporting occupancy comfort.

It is also expected that this service agreement will yield valuable planning and budgeting information for future HVACR and Gas Heating projects.

CONSIDERATIONS / ENJEUX

Legal / Juridiques

Subject to Council's approval, a Standing Order Agreement will be issued by the Purchasing Department.

Policy / Politiques / Plans

This procurement process was carried out in compliance with the Province of New Brunswick Procurement Act, and the City of Moncton's Corporate Procurement Policy.

Financial / Financiers

As there are over fifty (50) locations that have substantial mechanical systems, the contract will be paid through various Facilities Maintenance and Repair budgets for building maintenance. Funding is available amongst these Operational accounts.

Impact on Resources / Impact sur les ressources

The Facilities Division will be responsible for the day-to-day management and oversight of this agreement.

Environment / Environnement

Routine preventative maintenance can reduce energy consumption by as much as 20%, thus reducing greenhouse gas emissions.

Strategic Plan / Plan stratégique

☒ Pillar 1- Environment: To be a green community
Pilier 1- Environnement : Être une collectivité verte

☒ Pillar 2- Social: To be a healthy community
Pilier 2- Social: Être une collectivité saine

☐ Pillar 3- Cultural: To be a vibrant community
Pilier 3- Culture: Être une collectivité dynamique

☒ Pillar 4- Economy: To be a prosperous community
Pilier 4- Économie: Être une collectivité prospère

☐ Pillar 5- Governance: To be an engaged community
Pilier 5- Gouvernance: Être une collectivité engagée

Relationship to Strategic Plan / Relation au plan stratégique

Potential reduction of Greenhouse Gas Emissions

Attachments / Annexes

N/A

Consultations : Interdepartmental and intergovernmental / internes et intergouvernementales

Proposal submissions were evaluated by Facilities staff, and reviewed by the Purchasing Department.

Communication and Official Languages Implications / Communications et langues officielles

N/A

BY-LAW # A-1002.22

A BY-LAW IN AMENDMENT OF A BY-LAW RELATING TO THE APPROVAL OF THE BUDGET FOR DOWNTOWN MONCTON CENTREVILLE INC. AND TO ESTABLISH A SPECIAL BUSINESS IMPROVEMENT AREA LEVY IN THE CITY OF MONCTON

BE IT ENACTED by the City Council of the City of Moncton as follows:

A By-Law Relating to the Approval of the Budget for Downtown Moncton Centreville Inc. and to Establish a Special Business Improvement Area Levy in the City of Moncton, being By-Law # A-1002, ordained and passed on the 2nd day of April, 2002, is hereby amended as follows:

1. Section 1 is deleted and the following substituted therefor:

1. A Special Business Improvement Levy in the amount of sixteen cents per one hundred dollars (0.16¢/$100.00) of assessment for the year beginning January 1, 2022, and ending on December 31, 2022, is hereby imposed on all business properties within the area described in A BY-LAW RELATING TO THE DESIGNATION AND ESTABLISHMENT OF A BUSINESS IMPROVEMENT AREA WITHIN THE BOUNDARIES OF THE CITY OF MONCTON, being By-Law # A-902.

2. Section 2 is deleted and the following substituted therefor:

2. Proceeds from the levy in the amount of $929,049.00 may be remitted following receipt by the City of Moncton to Downtown Moncton Centreville Inc. for the purposes contained in the budget submitted by Downtown Moncton Centreville Inc. and approved by Moncton City Council on December 19, 2022.

MADE AND PASSED

First Reading:
Second Reading:
Third Reading:

ARRÊTÉ Nº A-1002.22

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ CONCERNANT L'APPROBATION DU BUDGET DE DOWNTOWN MONCTON CENTREVILLE INC. ET L'ÉTABLISSEMENT D'UNE CONTRIBUTION SPÉCIALE POUR LA ZONE D'AMÉLIORATION DES AFFAIRES DE LA VILLE DE MONCTON

Le conseil municipal de la Ville de Moncton édicte :

L'*Arrêté concernant l'approbation du budget de Downtown Moncton Centreville Inc. et l'établissement d'une contribution spéciale pour la zone d'amélioration des affaires de la Ville de Moncton* (arrêté nº A-1002), fait et adopté le 2 avril 2002, est modifié ainsi qu'il suit :

1. L'article 1 est supprimé et remplacé par :

1. Une contribution pour l'amélioration des affaires, de l'ordre de seize cents par tranche de cent dollars d'évaluation (16 ¢/100 $) par année, débutant le 1er janvier 2022 et se terminant le 31 décembre 2022, est par la présente imposée sur toute entreprise sise à l'intérieur des limites précisées dans l'ARRÊTÉ CONCERNANT LA DÉSIGNATION ET L'ÉTABLISSEMENT D'UNE ZONE D'AMÉLIORATION DES AFFAIRES À L'INTÉRIEUR DES LIMITES DE LA VILLE DE MONCTON (arrêté nº A-902).

2. L'article 2 est supprimé et remplacé par :

2. Les revenus provenant de la contribution, soit 929 049,00 $, seront remis après avoir été reçus par la Ville de Moncton, à Downtown Moncton Centreville Inc. aux fins précisées dans le budget soumis par Downtown Moncton Centreville Inc. et approuvé par le conseil municipal de Moncton le 19 décembre 2022.

PRIS ET ADOPTÉ

Première lecture :
Deuxième lecture :
Troisième lecture :

_____
Mayor/Maire

_____
City Clerk/Secrétaire municipale

BY-LAW # Z-222.10

A BY-LAW IN AMENDMENT OF THE CITY OF MONCTON ZONING BY-LAW

BE IT ENACTED by the City Council of the City of Moncton under the authority vested in it by the *Community Planning Act*, S.N.B. 2017, c. 19, as follows:

The City of Moncton *Zoning By-Law*, being By-Law # Z-222, made and passed on February 7, 2022, and filed in the Westmorland County Registry Office on March 7, 2022, as number 42390469, is hereby amended as follows:

1. Schedule A is amended as shown on the map attached hereto as Schedule "A-10".

MADE AND PASSED _____, 2022.

First Reading:
Second Reading:
Third Reading:

ARRÊTÉ N^{o} Z-222.10

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ DE ZONAGE DE LA VILLE DE MONCTON

EN VERTU DU POUVOIR que lui confère la *Loi sur l'urbanisme*, L.N.-B. 2017, c. 19, le conseil municipal de la Ville de Moncton édicte :

L'*Arrêté de zonage* de la Ville de Moncton (arrêté n^{o} Z-222), pris et adopté le 7 février 2022, déposé au bureau d'enregistrement du comté de Westmorland le 7 mars 2022, et portant le numéro 42390469, est modifié ainsi qu'il suit :

1. L'annexe A est modifiée tel qu'illustré sur le plan qui figure à l'annexe « A-10 » ci-jointe.

PRIS ET ADOPTÉ le _____ 2022.

Première lecture :
Deuxième lecture :
Troisième lecture :

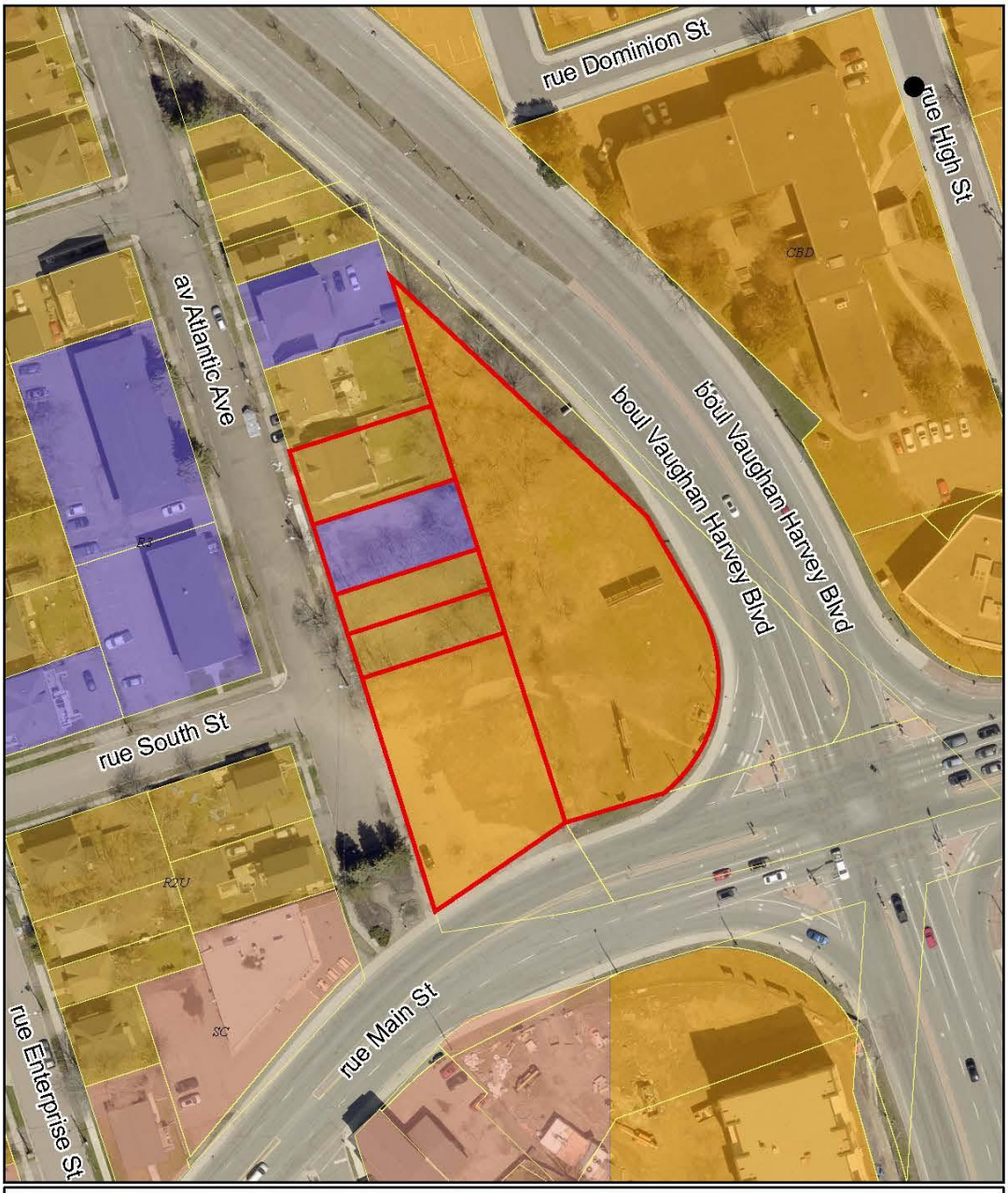
_____
Mayor/Maire

_____
City Clerk/Greffière

Schedule "A-10" / Annexe «A-10»

City of Moncton Zoning Map / Carte de zonage de la Ville de Moncton

Zoning By-law / Arrêté de zonage
#Z-222.10



Legend / Légende

- PID / NID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622
- R2U — Urban Dwelling Zone / Zone d'habitations urbaines
- R3 — Multiple Unit Dwelling Zone / Zone d'habitations multifamiliales
- SC — Suburban Commercial Zone / Zone commerciale suburbaine
- CBD — Central Business District Zone / Zone du quartier central des affaires

To rezone PID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622 from R3 (Multiple Unit Dwelling Zone), R2U (Urban Dwelling Zone) and CBD (Central Business District Zone) to CBD (Central Business District Zone)

Pour rezoner NID 00693614, 00693606, 00882894, 00696963, 70684642, 00693622 de R3 (Zone d'habitations multifamiliales), R2U (Zone d'habitations urbaines) et CBD (Zone du quartier central des affaires) à CBD (Zone du quartier central des affaires)

Scale / échelle 1:1,000

BY-LAW # Z-422

A BY-LAW RELATING TO BUILDINGS IN THE CITY OF MONCTON

BE IT ENACTED by the Council of the City of Moncton under the authority vested in it by the *Building Code Administration Act, S.N.B. 2020, c. 8*, as follows:

Title

1 This By-Law may be cited as the "Building By-law".

Definitions

2 In this By-Law

"Act" means the *Building Code Administration Act, S.N.B. 2020, c. 8*, or any amendment thereto. (*Loi*)

"building inspector" means the Senior Building Inspector for the City, or their designate.

"City" means the City of Moncton. (*Ville*)

"City Manager" means the Chief Administrative . Officer of the City of Moncton appointed by Council under section 71 of the Local Governance Act; (*directeur municipal*)

"Council" means Moncton City Council. (*conseil municipal*)

"critical elevation" means the lowest point on a foundation wall where surface water would first enter, and more specifically means the lower of:
(a) the lowest point of the top of the foundation wall, and

(b) the lowest point of an opening or depression in the foundation wall, including basement windows ,doorways or other non-watertight openings, but excluding basement windows equipped with window wells in conformity with the Code. (*hauteur critique)*

"engineered solution" means a drainage plan, stamped by a professional engineer, providing for drainage and surface water management adequate to prevent surface water from entering a main building during a precipitation event up to and including a 100-year return period for a 24-hour duration and consistent with a drainage agreement in effect for the property in question, and which furthermore will not negatively impact drainage on adjacent properties. (*solution technique*)

"permit" means a permit issued pursuant to the Act. (*permis*)

"permit holder" means the owner or a person acting on behalf of

ARRÊTÉ n° Z-422

ARRÊTÉ DE CONSTRUCTION DE LA VILLE DE MONCTON

EN VERTU DU POUVOIR que lui confère la *Loi sur l'administration du Code du bâtiment, L.N.B. 2020, ch. 8*, le conseil municipal de Moncton édicte :

Titre

1 Titre usuel : *Arrêté de construction*.

Définitions

2 Les définitions qui suivent s'appliquent au présent arrêté.

« aménagement du terrain » Vise l'aménagement paysager, l'infrastructure de drainage, les aires de stationnement et les zones piétonnières. (*site development*)

« changement d'occupation » Changement quant à la nature de l'usage ou de l'usage prévu d'un bâtiment ou d'une partie de celui-ci consistant à abriter ou à loger des personnes, des animaux ou des biens. (*change in occupancy*)

« conseil municipal » Le conseil municipal de Moncton. (*Council*)

« construction » S'entend de tout ouvrage élevé ou bâti sur ou sous le sol ou attaché à quelque chose sur le sol, et vise notamment les bâtiments. (*structure*)

« coût estimatif total » s'entend de la valeur pécuniaire totale, fixée par l'inspecteur des bâtiments, de l'ensemble des travaux envisagés, à l'exception des travaux visés à l'article 5. (*total estimated cost*)

« directeur municipal » Le directeur général de la Ville de Moncton nommé en vertu de l'article 71 de la *Loi sur la gouvernance locale*. (*City Manager*)

« hauteur critique » S'entend du point le plus bas sur un mur de fondation, où l'eau de surface commencerait à entrer, et, plus précisément, s'entend du point le plus bas parmi les suivants :

a) le point le plus bas du sommet du mur de fondation;

b) le point le plus bas d'une ouverture ou dépression dans le mur de fondation, y compris les fenêtres et entrées de portes de sous-sol et autres ouvertures dans le sous-sol qui ne sont pas étanches, mais à l'exclusion des fenêtres de sous-sol qui s'ouvrent sur un puits de lumière conforme au Code. (critical elevation)

« inspecteur des bâtiments » L'inspecteur en chef des bâtiments de la Ville ou son représentant. (*Building Inspector*)

the property owner. (*titulaire de permis*)

"site development" means landscaping, drainage infrastructure, and parking and pedestrian areas. (*aménagement du terrain*)

"total estimated cost" means the total monetary worth, as determined by the Building inspector, of all proposed work, except the work outlined in Section 5 (*cout estimatif total*)

"work" means to construct, demolish or change the use of a building, as those terms are defined in the *Act* (*travaux*)

Words used in this By-Law and not defined herein which are defined in the *Act* or the *Code* shall have the meaning as therein defined.

« *Loi* » La *Loi sur l'administration du Code du bâtiment, L.N.B. 2020, ch. 8*, ensemble ses modifications. (*Act*)

« occupation » Vise l'usage ou l'usage prévu d'un bâtiment ou d'une partie de celui-ci consistant à abriter ou à loger des personnes, des animaux ou des biens. (*occupancy*)

« permis » Permis délivré conformément à la *Loi*. (*permit*)

« solution technique » S'entend d'un plan de drainage, marqué de l'estampille d'un ingénieur, prévoyant la gestion des eaux de drainage et de surface pour prévenir l'infiltration des eaux de surface dans un bâtiment principal au cours d'un événement de précipitation produisant des précipitations maximales de l'ordre de celles de la tempête de pluie centennale sur une période de 24 heures, plan qui est conforme à tout accord de drainage en vigueur à l'égard de la propriété visée, et qui, en outre, n'a aucune incidence négative sur le drainage des propriétés adjacentes. (*engineered solution*)

« titulaire de permis » Vise le propriétaire du bien ou une personne agissant pour son compte. ((*permit holder*)

"« travaux » Construire ou démolir, au sens de ces termes définis dans la *Loi*, ou effectuer un changement d'usage. (*travaux*)

« Ville » La Ville de Moncton. (*City*)

Les termes employés dans le présent arrêté sans y être définis, mais définis dans la *Loi* ou le *Code* ensemble ses modifications, s'entendent au sens de cette loi.

Code

3 The City shall keep copies of the Code in both official languages available for public use, inspection and examination during regular business hours.

Code

3 La Ville conserve des exemplaires du *Code* dans chacune des langues officielles, qu'elle met à la disposition du public durant les heures d'ouverture normales à des fins d'usage, d'examen et de consultation.

Prohibition

4 A person shall not undertake or continue any work unless the work conforms with the *Act* and its regulations.

Interdiction

4 Il est interdit d'entreprendre ou de poursuivre des travaux à moins qu'ils ne soient conformes à la *Loi* et à ses règlements d'application.

Non material work

5 The following work shall not be considered material and shall be exempted from the requirements of obtaining a permit:

(a) for all buildings :

(i) maintenance of heating equipment, ventilation or electrical equipment, provided such maintenance does not affect fire separations or fire dampers,

Travaux mineurs

5 Les travaux qui suivent ne sont pas considérés comme étant importants et aucun permis n'est requis pour les réaliser :

a) s'agissant de tous les bâtiments :

(i) l'entretien de l'équipement de chauffage, d'aération ou d'électricité, à condition que cet entretien n'ait pas d'incidence sur les séparations

(ii) interior or exterior painting,

(iii) replacement of baseboards and window casings,

(iv) replacement of flooring,

(v) replacement of built in furniture,

(b) for buildings containing only a single or two unit dwelling and associated accessory buildings:

(i) re-roofing, up to 25% of roof sheathing replacement,

(ii) changing doors, provided they are in the same type, location and size;

(iii) replacing exterior deck flooring where such repairs are the same type and configuration as that being repaired,

(iv) plaster and drywall repairs not within a fire separation,

(v) wallpaper installation,

(vi) installation of gutters or downspouts,

(vii) installation of storm doors and shutters,

(viii) refacing or replacement of kitchen cabinets,

(ix) repairing or reinstalling cosmetic interior trim, or

(x) replacement of fascia board and soffit; and

(c) any buildings listed under section 5 of Regulation 2021-2 under the Act that are exempt from application of the Act, Regulation 2021-2 and the Code.

coupe-feu ou les registres coupe-feu,

(ii) la peinture intérieure ou extérieure,

(iii) le remplacement de plinthes ou d'encadrements de fenêtres,

(iv) le remplacement de planchers,

(v) le remplacement de meubles encastrés;

b) les travaux visés, qui sont effectués dans un bâtiment ne renfermant qu'une habitation unifamiliale ou bifamiliale et dans des bâtiments accessoires afférents, se limitent à ce qui suit :

(i) le remplacement de la toiture représentant jusqu'à 25 % du voligeage,

(ii) le remplacement de portes par des portes de mêmes type et dimension et au même endroit que celles remplacées,

(iii) le remplacement du revêtement de sol extérieur de la terrasse par un revêtement de mêmes type et configuration que celui remplacé,

(iv) la réparation du plâtre et des cloisons sèches hors d'une séparation coupe-feu,

(v) la pose de papier-peint,

(vi) la pose de gouttières ou de tuyaux de descente pluviale,

(vii) la pose de contreportes et de contrevents,

(viii) le remplacement d'armoires de cuisine ou de leurs portes,

(ix) la réparation ou la repose de moulures décoratives intérieures,

(x) le remplacement des bordures de toit et du soffite,

c) les bâtiments énumérés à l'article 5 du Règlement 2021-2 pris en vertu de la *Loi* qui sont soustraits à l'application de la *Loi*, du Règlement 2021-2 et du *Code*.

Permit Application **Demande de Permis**

6(1) An owner seeking to obtain a permit shall make an application in writing to the City, in accordance with this By-Law.

6(2) An application that has not been approved within 6 months shall be deemed null and void unless extended by the building inspector.

6(3) The permit application referred to in this section shall be made on a form prescribed by the building inspector and such application shall include:

(a) the applicable fees, costs or charges in such an amount as determined by Council and described in the *Fees and Charges By-Law*;

(b) the name and address of the owner, their telephone number, and, where applicable, fax number and e-mail address;

(c) the name and address of the person performing the work, their telephone number, and, where applicable, fax number and e-mail address;

(d) the location of the property upon which the work is to be performed, its civic number, street name, lot number and property identification number;

(e) the detailed scope of work to be performed;

(f) a cost estimate of the proposed work, broken down by trade, where requested by the building inspector;

(g) a description of the intended use of the building;

(h) unless waived by the building inspector, copies of the specifications and legible scale drawings of the site and building with respect to the proposed work to be carried out indicating:

(i) the geodetic elevation of the basement floor, attached garage slab elevation, where applicable, and the top of all the foundation walls;

(ii) the front yard, rear yard, side yard and, where applicable, the flankage yard, as defined in the *Zoning By-Law;*

(iii) the foundation's critical elevation;

(iv) the proposed finished land elevation at each corner of the property and foundation wall;

(v) the driveway location and its slope from the property line adjacent to the road, and the width of the driveway opening at the property line and the required setback line;

(vi) the geodetic elevation of the finished grade of

6(1) Le propriétaire qui souhaite obtenir un permis pour effectuer des travaux quelconques présente sa demande écrite à la ville conformément au présent arrêté.

6(2) La demande qui n'a pas été approuvée dans les six mois qui suivent sa présentation est réputée caduque à moins que l'inspecteur des bâtiments n'en accorde la prolongation.

6(3) Établie au moyen du formulaire prescrit par l'inspecteur des bâtiments, la demande de permis visée au présent article fournit notamment les renseignements suivants :

a) les droits et frais non remboursables applicables fixés par le conseil municipal et indiqués dans l'*Arrêté sur les droits et redevances*;

b) les nom et adresse du propriétaire, son numéro de téléphone et, le cas échéant, son numéro de télécopieur et son adresse de courriel;

c) les nom et adresse de la personne qui doit exécuter les travaux, son numéro de téléphone et, le cas échéant, son numéro de télécopieur et son adresse de courriel;

d) l'emplacement de la propriété sur laquelle seront effectués les travaux, son numéro de voirie, le nom de la rue, son numéro de lot et le numéro d'identification de la parcelle;

e) l'étendue des travaux à exécuter, en détails;

f) le coût estimatif des travaux envisagés, ventilé par métier, à la demande de l'inspecteur des bâtiments;

g) une description de l'usage prévu du bâtiment ou de la construction;

h) sauf dispense de cette exigence accordée par l'inspecteur des bâtiments, des exemplaires des devis et des dessins – à l'échelle et lisibles – du site et du bâtiment ou de la construction dressés en vue des travaux envisagés, indiquant ce qui suit :

(i) la hauteur géodésique du plancher du sous-sol, la hauteur de la dalle du garage attenant, le cas échéant, et le faîte de tous les murs de fondation,

(ii) la cour avant, la cour arrière, la cour latérale et, le cas échéant, la cour de flanc, au sens de l'*Arrêté de zonage*,

(iii) la hauteur critique des fondations,

(iv) l'élévation de terrain après l'exécution des travaux à chaque coin de la propriété et du mur de fondation,

(v) l'emplacement de la voie d'accès et sa pente

the centreline of the road where it meets the extended centreline of any driveway;

(vii) location of lot servicing laterals to the site, existing municipal and private service easements, underground electrical, telephone, gas, cable, and all other public utility easements;

(viii) any physical feature that may impede drainage such as accessory buildings and structures, and natural vegetation such as large trees or landscaped gardens;

(ix) any proposed finished land elevations that indicate the existence and functionality of swales or other drainage elements, including private catch basins;

(x) any other information required to show conformity of the Site Plan with this By-Law, the *Subdivision By-Law* and *Zoning By-Law*;

(xi) the position, height and dimensions of all buildings or structures on, and those proposed to be located on, the land referred to;

(xii) the proposed use of each room on each floor area of the building or structure;

(xiii) full cross section and stair detail, relevant wall sections, window sizes including unobstructed window opening for bedrooms and deck details;

(xiv) roof truss layout and shop drawings bearing the seal and signature of a Professional Engineer;

(xv) engineered floor truss layout and shop drawings bearing the seal and signature of a Professional Engineer, if applicable;

(xvi) engineered lintel or beam design bearing the seal and signature of a Professional Engineer;

(xvii) where construction is on lands known to have been backfilled or soil is unstable, the results and recommendations of a soil investigation bearing the seal and signature of a Geotechnical Professional Engineer registered or licensed to practice in the Province of New Brunswick;

(xviii) the proposed street tree location (min. 1m x 1m) to conform to the sub-division development guidelines; and

(xix) such other information as the building inspector may require for the purpose of determining compliance with this or any other by-law.

à partir de la limite de propriété longeant l'emprise du chemin, ainsi que la largeur de la voie d'accès à la limite de propriété, et la limite de la marge de retrait obligatoire,

(vi) la hauteur géodésique du niveau établi du sol du chemin à son axe médian, au point où celui-ci croise le prolongement de l'axe médian de la voie d'accès,

(vii) l'emplacement sur le lot des conduites secondaires servant à alimenter le site, les servitudes de service existantes – municipales et privées – et toute autre servitude existante pour services publics, relatives notamment à la distribution souterraine de services par les sociétés d'électricité, de téléphone, de gaz ou de câblodistribution,

(viii) tout élément physique pouvant nuire au drainage, tels des bâtiments et constructions accessoires, et la végétation naturelle, tels des gros arbres et jardins paysagés,

(ix) toute élévation de terrain après l'exécution des travaux, ainsi que la présence et la fonction de baissières ou d'autres éléments de drainage, y compris des puisards privés,

(x) tout autre renseignement nécessaire pour démontrer que le plan de situation est conforme à l'*Arrêté de construction*, à l'*Arrêté sur le lotissement* et à l'*Arrêté de zonage*,

(xi) la position, la hauteur et les dimensions de tous les bâtiments existants et futurs et constructions existantes et futures sur le terrain visé,

(xii) l'usage projeté pour chaque pièce par aire de plancher du bâtiment ou de la construction,

(xiii) une coupe transversale intégrale avec dessin de détail des escaliers, ainsi que les détails pertinents sur les murs, les dimensions des fenêtres – y compris des baies de fenêtres non-obstruées pour les chambres – et les terrasses,

(xiv) le plan d'implantation et les dessins d'atelier des fermes, revêtus du sceau et de la signature d'un ingénieur,

(xv) le plan d'implantation et les dessins d'atelier des poutres de plancher triangulées industrialisées, revêtus du sceau et de la signature d'un ingénieur,

(xvi) les dessins des linteaux ou poutres industrialisés, revêtus du sceau et de la signature d'un ingénieur,

6(4) Where a site plan is required pursuant to paragraph 6(3)(h):

(a) such site plan must be prepared in conformity with the registered drainage plan, or in the absence of a registered drainage plan, or if the site plan is not in conformity with the registered drainage plan, an engineered solution;

(b) where a permit for demolition is required, a person shall not undertake or continue to demolish a structure unless the application for demolition permit includes the provincially-approved location to which demolition debris will be taken.

(xvii) lorsque la construction doit avoir lieu sur des terrains connus pour avoir été remblayés ou dont le sol est instable, les résultats d'une reconnaissance des sols et les recommandations qui en découlent, revêtus du sceau et de la signature d'un ingénieur en géotechnique habilité à exercer dans la province du Nouveau-Brunswick,

(xviii) l'emplacement envisagé de la rue (d'une largeur minimale de 1 m x 1 m), laquelle doit être conforme aux lignes directrices visant l'aménagement des lotissements,

(xix) tout autre renseignement dont l'inspecteur des bâtiments peut avoir besoin pour vérifier la conformité au présent arrêté ou à tout autre arrêté.

6(4) Si un plan de situation est nécessaire par application de l'alinéa 6(3)*h*) :

a) le plan de situation doit être conforme au plan de drainage enregistré ou, en l'absence de plan de drainage enregistré, ou si le plan de situation n'est pas conforme au plan de drainage enregistré, à une solution technique;

b) lorsqu'un permis de démolition est nécessaire, il est interdit d'entreprendre ou de poursuivre les travaux de démolition à moins que la demande de permis de démolition indique le lieu – reconnu par la Province – où seront amenés les décombres.

Special application requirements for commercial projects

7(1) Work described in this section shall be designed and reviewed during construction by an architect, engineer, or interior designer as required by the scope of work, authorized and registered to practice in New Brunswick:

(a) New constructions and additions, including mezzanine additions and floor infills, of buildings which;

(i) exceeds 600m^2 in building area or exceeds 3 stories in building height, or

(ii) is used for Group A - Assembly, Group B - Institutional, Group F Division 1 - High Hazard Industrial occupancies.

(b) Renovations to suites which :

(i) exceeds 600 m^{2}in area, and

(ii) involves work with fire separations, life safety systems, exterior walls, main entrances or public corridors.

(c) construction and modifications that are designed in

Exigences particulières visant les projets commerciaux

7(1) Les travaux décrits au présent article doivent être à la fois conçus puis examinés au cours de la construction par un architecte, un ingénieur ou un designer d'espaces intérieurs, selon la portée des travaux, inscrit et autorisé à exercer sa profession au Nouveau-Brunswick :

a) les nouvelles constructions des bâtiments suivants et les rajouts (y compris notamment les rajouts aux mezzanines et les planchers intercalaires) aux bâtiments suivants :

(i) les bâtiments dont la superficie est supérieure à 600 m^2 ou la hauteur est supérieure à 3 étages,

(ii) les bâtiments qui servent d'établissement de réunion (groupe A), d'établissement de soins ou de détention (groupe B) ou d'établissement industriel à risques très élevés (groupe F-1, division 1);

b) la rénovation d'appartements accessoires visés ci-après :

(i) leur superficie est supérieure à 600 m^2,

conformance with Part 4 of the Code;

(d) foundation designs requiring soils bearing capacity exceeding 75 kPa;

(e) installations of fire alarm systems, replacement of fire alarm panel and replacement of more than 20 fire alarm devices;

(f) installations of sprinkler systems, changes in classifications as per NFPA 13 or replacement and additions of sprinkler sections with greater than 20 heads;

(g) installations of emergency power supplies that serve life safety systems;

(h) installations of commercial cooking equipment in conformance with the Code;

(i) installations of ventilation units and/or ventilation distribution systems in conformance with the Code in areas greater than 300 m2;

(j) alternate solutions in conformance with the Code;

(k) site servicing and drainage plans in connection with new constructions and additions;

(l) Energy Design in conformance with the Code;

(m) Integrated Fire Protection and Life Safety Systems Testing in conformance with the Code

(ii) l'étendue des travaux vise les séparations coupe-feu, les systèmes de sécurité des personnes, les murs extérieurs, les entrées principales ou les corridors publics;

c) la construction et les modifications qui sont conçues en conformité avec la partie 4 du *Code*;

d) les travaux visant des sols dont le coefficient de capacité portante convient aux fondations conçues pour un coefficient supérieur à 75 kPa;

e) l'installation de systèmes d'alarme-incendie, le remplacement de panneaux d'alarme-incendie et le remplacement de plus de 20 dispositifs d'alarme-incendie;

f) l'installation de systèmes d'extincteurs automatiques à eau, des changements dans le classement régi par la norme NFPA 13 de la *National Fire Protection Association* ou le remplacement ou l'ajout de sections comportant plus de 20 têtes d'extincteur;

g) l'installation d'ensembles d'alimentation de secours qui assurent l'alimentation de systèmes de sécurité des personnes;

h) l'installation d'équipement commercial de cuisine en conformité avec le *Code*;

i) l'installation d'unités de ventilation ou d'installations de ventilation en conformité avec le *Code* dans des espaces d'une superficie supérieure à 300 m^2;

j) les travaux faisant intervenir des solutions de remplacement en conformité avec le *Code*;

k) les plans de viabilisation et de drainage du site afférents aux nouvelles constructions ou aux rajouts;

l) la conception écoénergétique conforme au *Code*;

m) les tests de conformité des systèmes intégrés de protection contre l'incendie et de sécurité des personnes conformes au *Code*.

Additional requirements for single, two unit, and semi-detached dwellings

8(1) Where an application for a permit is made and the work described therein involves new foundation construction for a single unit dwelling, a two-unit dwelling or a semi-detached dwelling, a permit for such construction shall be issued on the condition that the construction of the building shall not proceed beyond the foundation stage unless the Development Officer has received and accepted a Foundation Report Form in accordance with paragraph (2) below, and a pre-backfill inspection has been completed.

8(2) A Foundation Report Form, as described in subsection

Exigences additionnelles applicables aux habitations unifamiliales, bifamiliales et jumelées

8(1) Dans le cas d'une demande de permis visant la construction de fondations pour une habitation unifamiliale, une habitation bifamiliale ou une habitation jumelée, le permis qui est délivré est assujetti à la condition que les travaux de construction ne dépasseront pas le stade des fondations à moins que l'agent d'aménagement n'ait reçu et accepté un état des fondations dressé en conformité avec le paragraphe (2) et qu'une inspection avant remblai ait été effectuée.

8(2) L'état des fondations visé au paragraphe (1) indique ce

(1), shall show:

(a) the geodetic elevation of the lowest point on the top of the front foundation wall;

(b) the geodetic elevation of the lowest point on the top of the side foundation walls;

(c) the geodetic elevation of the lowest point on the top of the rear foundation wall;

(d) where applicable, the geodetic elevation of the lowest point of the edge of the attached garage slab;

(e) the critical elevation of the foundation;

(f) the minimum geodetic basement floor elevation;

(g) the front yard setback, being the shortest distance between the front lot line and the main building;

(h) the side yard setbacks, being the shortest distance between each side lot line and the main building;

(i) where applicable, the flankage yard setback, being the shortest distance between the flankage lot line and the main building;

(j) the rear yard setback, being the shortest distance between the rear lot line and the main building; and

(k) the geodetic elevation of the finished grade of the centreline of the road where it meets the extended centreline of any driveway.

qui suit :

a) la hauteur géodésique du point le plus bas du faîte du mur de fondation avant;

b) la hauteur géodésique du point le plus bas du faîte des murs de fondation latéraux;

c) la hauteur géodésique du point le plus bas du faîte du mur de fondation arrière;

d) la hauteur géodésique du point le plus bas du bord de la dalle du garage attenant, le cas échéant;

e) la hauteur critique des fondations;

f) la hauteur géodésique minimale du plancher du sous-sol;

g) la marge de retrait de la cour avant, soit la distance minimale entre la limite avant du lot et le bâtiment principal;

h) la marge de retrait des cours latérales, soit la distance minimale entre chaque limite latérale et le bâtiment principal;

i) le cas échéant, la marge de retrait de la cour de flanc, soit la distance minimale entre la limite de flanc et le bâtiment principal;

j) la marge de retrait de la cour arrière, soit la distance minimale entre la limite arrière et le bâtiment principal;

k) la hauteur géodésique du niveau établi du sol du chemin à son axe médian, au point où celui-ci croise le prolongement de l'axe médian d'une voie d'accès quelconque.

8(3) When the foundation and lot grading are complete, or within 12 months following the issuance of a building permit, whichever is sooner, the owner shall provide the Development Officer with a surveyor's real property report, which shall include:

(a) the actual building setbacks, being the distances from the outer walls of the foundation to the property boundary lines;

(b) the geodetic elevation of the four corners of the property;

(c) the geodetic elevations of the land where it meets the outer walls of the main building;

(d) the geodetic elevations of the lowest point on the top of each of the foundation walls;

(e) the critical elevation;

(f) the basement floor elevation;

(g) where applicable, the geodetic elevation of the lowest

8(3) Une fois les fondations et le terrassement terminés, ou dans les douze mois suivant la délivrance du permis de construction, selon la première des deux dates à survenir, le propriétaire remet à l'agent d'aménagement un rapport d'arpentage contenant les renseignements suivants :

a) les marges de retrait réelles du bâtiment, soit les distances entre les parois extérieures des fondations et les limites de la propriété;

b) la hauteur géodésique de chacun des quatre coins de la propriété;

c) les hauteurs géodésiques du terrain aux points où celui-ci jouxte les parois extérieures du bâtiment principal;

d) les hauteurs géodésiques du point le plus bas du faîte de chaque mur de fondation;

e) la hauteur critique;

point of the edge of the attached garage slab;

(h) the driveway location and its slope from the property line, and the width of the driveway at the property line and at the required setback line;

(i) the geodetic elevation of the finished grade of the centreline of the road where it meets the extended centreline of any driveway;

(j) location of lot servicing laterals to the site, existing municipal and private service easements, underground electrical, telephone, gas, cable, and all other public utility easements;

(k) any physical features such as accessory buildings and structures, and natural vegetation such as large trees or landscaped gardens;

(l) the location and geodetic elevation of any swales; and

(m) in the case of a development where an engineered solution is required, any and all data points required to confirm that the engineered solution has been fully complied with.

8(4) Where the Foundation Report Form or surveyor's real property report is inconsistent with the site plan referred to in paragraph 6(3)(h) or with the registered drainage plan, except for building location, the owner shall provide an engineered solution.

8(5) A Surveyor's Real Property Report and Foundation Report Form shall be signed by a New Brunswick Land Surveyor licensed to practice in the Province of New Brunswick before being received and considered by the Development Officer.

8(6) The Land Surveyor or Professional Engineer as the case may be, shall certify that:

(a) in the case of a report referred to in subsection (2), the top of the foundation wall elevation(s) is(are) consistent with the foundation wall elevation(s) as shown on the building permit Site Plan to a tolerance of no more than 100 mm above or below the required elevation; and

(b) in the case of a report referred to in subsection (3), the lot grading is consistent with the lot grading as shown on the building permit Site Plan to a tolerance of no more than 150 mm below the required elevation.

8(7) Despite this or any other by-law, an engineered solution is not required when waived by the City Manager or their designate.

f) la hauteur du plancher du sous-sol;

g) la hauteur géodésique du point le plus bas du bord de la dalle du garage attenant, le cas échéant;

h) l'emplacement de la voie d'accès et sa pente à partir de la limite de propriété, ainsi que la largeur de la voie d'accès à la limite de propriété et à la limite de la marge de retrait obligatoire;

i) la hauteur géodésique du niveau établi du sol du chemin à son axe médian, au point où celui-ci croise le prolongement de l'axe médian d'une voie d'accès;

j) l'emplacement sur le lot des conduites secondaires servant à alimenter le site, les servitudes de service existantes – municipales et privées – et toute autre servitude existante pour services publics, relatives notamment à la distribution souterraine de services par les sociétés d'électricité, de téléphone, de gaz ou de câblodistribution;

k) tout élément physique, tels des bâtiments et constructions accessoires, et la végétation naturelle, tels des gros arbres et des jardins paysagés;

l) l'emplacement et la hauteur géodésique de baissières, le cas échéant;

m) dans le cas d'un aménagement où une solution technique est requise, toutes les données nécessaires pour confirmer la conformité à la solution technique.

8(4) Lorsque l'état des fondations ou le rapport d'arpentage s'avère incompatible avec le plan de situation visé à l'alinéa 6(3)h) ou avec le plan de drainage enregistré, sauf pour ce qui est de l'emplacement du bâtiment, le propriétaire doit fournir une solution technique.

8(5) Avant leur remise à l'agent d'aménagement et leur examen par lui, le rapport d'arpentage et l'état des fondations sont signés par un arpenteur-géomètre du Nouveau-Brunswick habilité à exercer au Nouveau-Brunswick.

8(6) L'arpenteur-géomètre ou un ingénieur, selon le cas, certifie ce qui suit :

a) s'agissant du rapport visé au paragraphe (2), que la hauteur du faîte des murs de fondation correspond à celle figurant dans le plan de situation qui accompagne le permis de construction, à 100 mm près;

b) s'agissant du rapport prévu au paragraphe (3), que le niveau du sol du lot correspond à celui figurant dans le plan de situation qui accompagne le permis de construction, à 150 mm près.

8(7) Malgré le présent arrêté ou tout autre arrêté, aucune solution

Issuance of Permit

9(1) Upon receipt of a complete application pursuant to section 6, the building inspector shall, within a reasonable time, issue a permit, provided that:

(*a*) the proposed work complies with this and all other applicable by-laws; and

(*b*) the Development Officer has approved the work pursuant to subsection 108(1) of the *Community Planning Act*.

9(2) A permit referred to in subsection (1) may be issued for:

(*a*) the foundation of a building or structure;
(*b*) the foundation and structural components of a building or structure; or
(c) the remaining work to complete a building or structure where construction is already being undertaken under a phased permit issued under this section.

9(3) A permit issued pursuant to this By-Law shall be valid for a period of one year from issuance, after which time the permit shall be deemed null and void, unless it is renewed by the building inspector.

9(4) The issuance of a permit, the review of drawings and specifications, or inspections of the work made by the building inspector during construction, shall not relieve the permit holder from full responsibility for carrying out the work in accordance with the requirements of the Act, this By-Law, the *Code* and all other applicable laws.

Revocation of Permit

10(1) A permit issued pursuant to section 9 shall be revoked by the building inspector if the work described in the permit is:

(a) contrary to the specifications or drawings contained in the application, the Act or the *Code*, and the owner, upon being given notice by the building inspector, fails to make the necessary changes within the time prescribed; or

(b) contrary to this By-Law or any other applicable City by-law.

10(2) Where a permit is revoked pursuant to subsection 1, the City shall retain all permit application fees.

10(3) Where an application for a permit is withdrawn, or is not completed within 6 months and such application is not extended by the building inspector, and in either case no work has been

technique n'est requise si elle n'est pas exigée par le directeur municipal, ou son représentant.

Délivrance du Permis

9(1) Saisi d'une demande de permis qui est conforme à l'article 6, l'inspecteur des bâtiments délivre le permis dans un délai raisonnable, si les conditions suivantes sont réunies :

a) les travaux envisagés sont conformes au présent arrêté et à tous les autres arrêtés qui s'appliquent;

b) l'agent d'aménagement a approuvé les travaux conformément au paragraphe 108(1) de la *Loi sur l'urbanisme*.

9(2) Le permis visé au paragraphe (1) peut être délivré à l'égard de ce qui suit :

a) la fondation d'un bâtiment ou d'une construction;

b) la fondation et les composants structurels d'un bâtiment ou d'une construction;

c) les travaux qui restent pour achever un bâtiment ou une construction, lorsque les travaux de construction sont déjà entamés en vertu d'un permis de construction visant des travaux à être effectués par étapes en vertu du présent article.

9(3) Le permis délivré en vertu du présent arrêté est valide pour un an à partir de la date de sa délivrance, après quoi il est réputé nul à moins d'avoir été renouvelé par l'inspecteur des bâtiments.

9(4) La délivrance d'un permis, l'examen des dessins et devis ou les inspections des travaux effectuées par l'inspecteur des bâtiments pendant l'exécution des travaux de construction ne dégagent en rien le titulaire du permis de l'entière responsabilité pour l'exécution des travaux dans le respect de la *Loi*, du présent arrêté, du *Code* et des autres textes législatifs qui s'appliquent.

Révocation du Permis

10 (1) Le permis délivré en vertu de l'article 9 est révoqué par l'inspecteur des bâtiments lorsque les travaux y prévus, selon le cas :

a) ne sont pas conformes aux devis ou dessins que contient la demande de permis, à la *Loi* ou au *Code*, et le propriétaire, sommé par l'inspecteur des bâtiments, omet de corriger la situation dans les délais impartis; ou

b) contreviennent au présent arrêté ou à tout autre arrêté municipal applicable.

10(2) Lorsqu'un permis est révoqué en application du paragraphe 10(1), la ville retient les droits de demande de permis.

10(3) Lorsqu'une demande de permis est retirée ou qu'elle n'est pas complétée dans les six mois qui suivent sa présentation

commenced, the City shall retain 50% of the application fees up to a maximum of $1,000.00.

10(4) Where an issued building permit is withdrawn by the permit holder, and no work has commenced nor has the building permit expired, the City shall retain 50% of the application fees up to a maximum of $1,000.00.

Duties of the Permit holder

11(1) Every permit holder shall:

(a) give notice to the building inspector of completion of the work described in the building permit within 10 days of such completion;

(b) subject to (c), give 2 business days' notice and make all arrangements to allow for the building inspector to carry out at least one inspection at each of the following stages of construction:

(i) on the completion of the footings and foundations, but before the commencement of any backfilling;

(ii) on substantial completion of structural framing; and

(iii) on completion of construction or before occupation of the building;

(c) where section 8 applies, give 2 business days' notice and make all arrangements to allow for the building inspector to carry out a minimum of four inspections of the work, where applicable, as follows:

(i) a "pre-backfill" inspection consisting of a foundation inspection prior to any backfilling;

(ii) a framing inspection on structural components, building services, air barrier, doors and windows;

(iii) a "pre-drywall" inspection of insulation and vapour barrier prior to the installation of wall and ceiling finish; and

(iv) a "final" pre-occupancy inspection;

(d) for the purposes of paragraph (c), require written approval from the building inspector after each inspection, prior to proceeding with each new phase of construction;

(e) keep posted in a conspicuous place on the property in respect of which the permit was issued a copy of the permit;

initiale, que l'inspecteur des bâtiments n'accorde aucune prolongation et que les travaux n'ont pas débuté, la ville retient 50 % des droits de demande, jusqu'à concurrence de 1 000 $.

10(4) Lorsqu'un permis de construction qui a été délivré est retiré par le titulaire de permis avant le début des travaux ou l'expiration du permis, la Ville retient 50 % des droits de demande, jusqu'à concurrence de 1 000 $.

Obligations du titulaire de Permis

11(1) Tout titulaire de permis :

a) donne à l'inspecteur des bâtiments avis de l'achèvement des travaux visés par le permis de construction dans les 10 jours qui suivent leur achèvement;

b) sous réserve de l'alinéa c), donne un préavis de deux jours ouvrables et fait le nécessaire pour permettre à l'inspecteur des bâtiments d'effectuer au moins une inspection à chacune des étapes suivantes de la construction :

(i) à l'achèvement des semelles de répartition des charges et des fondations, mais avant le début des travaux de remblai,

(ii) à l'achèvement substantiel de l'ossature portante,

(iii) à l'achèvement des travaux de construction ou avant l'occupation du bâtiment;

c) lorsque l'article 8 s'applique, donne un préavis de deux jours ouvrables et fait le nécessaire pour permettre à l'inspecteur des bâtiments d'effectuer au moins les quatre inspections suivantes, le cas échéant :

i) une inspection « avant remblai », soit l'inspection des fondations avant le remblayage,

ii) une inspection des composants structurels de la charpente, des installations techniques, du pare-aire, des portes et des fenêtres,

iii) une inspection « avant cloisons sèches » de l'isolant et du pare-vapeur qui précède la pose des murs et la finition du plafond,

iv) une inspection « finale » avant occupation;

d) pour l'application de l'alinéa c), ne procède au prochain stade de construction après chaque inspection que lorsque l'inspecteur des bâtiments a fourni son approbation par écrit;

(f) keep a copy of the approved drawings and specifications referred to in subsection 6(3) and subsection 7(1) on the property in respect of which the permit was issued;

(g) be responsible for the cost of repairing any damage that may occur to City owned property as a result of undertaking the work described in the permit;

(h) where the permit holder amends or changes any information provided in an application pursuant to sections 6 and 7, immediately file said amendment or change with the building inspector, which amendment or change is subject to the approval process provided in section 9;

(i) where section 8 applies, ensure that mechanical ventilation systems are designed, installed and balanced by a qualified mechanical contractor, and a ventilation record shall be submitted upon completion.

e) affiche en tout temps et bien en vue une copie du permis sur la propriété objet du permis;

f) conserve un exemplaire des dessins et devis approuvés que visent les paragraphes 6(3) et 7(1) sur la propriété objet du permis;

g) est tenu des frais de réparation de tout dommage causé aux biens de la municipalité par suite des travaux objet du permis;

h) lorsqu'il modifie ou change tous renseignements fournis dans une demande présentée conformément aux articles 6 et 7, dépose immédiatement les modifications ou changements auprès de l'inspecteur des bâtiments, ces modifications ou changements étant assujettis à l'approbation prévue à l'article 9;

i) dans les cas où l'article 8 s'applique, veille à ce que les installations de ventilation mécanique soient conçues, posées et équilibrées par un entrepreneur en installations mécaniques autorisé et qu'un rapport sur la ventilation soit présenté après achèvement.

Open foundations and excavations

12 The owner of a property upon which an open foundation or excavation exists as the result of demolition or destruction of a building, when new construction is not to proceed without delay, shall forthwith backfill such open foundation or excavation to grade or, when new construction is to proceed without delay, shall forthwith erect in a neat and professional manner a wall constructed of good materials, without openings, at least 1.8 metres in height, around the perimeter of such open foundation or excavation, and shall maintain the same so as not to become dilapidated or unsightly until construction has proceeded to a stage where the open foundation or excavation is no longer a danger.

Fondations et excavations ouvertes

12 Le propriétaire d'un bien-fonds renfermant des fondations ou une excavation laissées ouvertes par suite de la démolition ou de la destruction d'un bâtiment doit, si des travaux de construction ne sont pas entrepris sans délai, remblayer sur-le-champ les fondations ou l'excavation laissées ouvertes jusqu'au niveau moyen du sol; dans le cas contraire, il doit ériger sans délai, de manière soignée et dans les règles de l'art, un mur fait de bons matériaux, sans ouvertures, d'une hauteur minimale de 1,8 mètre autour du périmètre des fondations ou de l'excavation laissées ouvertes, et entretenir ce mur pour l'empêcher de devenir délabré ou inesthétique tant que les fondations ou l'excavation laissées ouvertes constituent un danger

Plans, specifications and documentation

13(1) Any plan, specification and documentation provided to the City in accordance with the *Act*, the Code and this By-Law, including but not limited to, a site plan, a surveyor's real property report, or an engineered solution, become the property of the City, and shall be retained, shared, disclosed or disposed of in accordance with *the Right to Information and Protection of Privacy Act*, R.S.N.B., 2009, c. R-10.6, and any other applicable legislation or regulation.

13(2) The building inspector may reject a plan, a specification or any documentation which does not comply with subsection 1 of this By-Law, and demand that such plan, specification or documentation comply with subsection 1 before they are accepted by the City.

Plan, devis, dessins et documents

13(1) Les plans, devis, dessins et documents fourni à la Ville conformément à la *Loi*, au présent arrêté et au *Code*, y compris notamment un plan de situation, un rapport d'arpentage et une solution technique, deviennent la propriété de la Ville et seront conservés, partagés, communiqués ou aliénés en conformité avec la *Loi sur le droit à l'information et la protection de la vie privée*, L.N.-B. 2009, ch. R-10.6, et toute autre loi ou tout règlement applicable.

13(2) L'inspecteur des bâtiments peut rejeter un plan, un devis, un dessin ou un document qui n'est pas conforme au paragraphe (1) et prescrire que le plan, le devis, le dessin ou le document soit conforme au paragraphe (1) avant d'être acceptés par la Ville.

Implementation and Enforcement

Mise en œuvre et application

14(1) For the purposes of this section, "building inspector" shall carry the meaning as defined in the Act.

14(2) Every person duly appointed by Council as a building inspector is hereby authorized to carry out any inspection that is necessary for the administration or enforcement of this By-Law.

14(3) Any building inspector is hereby authorized to take such actions, exercise such powers and perform such duties, as may be set out in the Act, its regulations, in the Code, or in the *Local Governance Act*, and as they may deem to be necessary to carry out, implement or enforce any provisions of this By-Law.

Fees

15(1) Fees shall include the total estimated cost of all proposed work, excluding design fees and site development costs.

15(2) Detailed cost estimates shall be provided for all projects except single unit, two unit and semi-detached dwellings.

15(3) The fee for a building permit shall be the greater of $25.00 or such amount per $1,000 or part thereof, as determined by Council and described in the *Fees and Charges By-Law*, of the total estimated costs of the proposed work.

15 (4) The fee for a property file search shall be in such amount as determined by Council and described in the *Fees and Charges By-Law*.

15(5) The fee for a demolition permit shall be in such amount as determined by Council and described in the *Fees and Charges By-Law.*

15(6) The fee for a tent or air supported structure shall be in such amount as determined by Council and described in the *Fees and Charges By-Law*.

15(7) Despite anything contained in this By-Law, a permit application for work to be carried out by or on behalf of the City shall be exempt from the requirements of this section.

15(8) Despite anything contained in this By-Law, a permit application for work to be carried out, in which the City contributes a significant amount of resources and in which the City is a main contributor may, upon Council approval, be exempt from the requirements of this section.

15(9) Despite anything contained in this By-Law, where an application for a permit has been made after work has begun, the fee therefore shall be two times that provided for in this By-Law.

14(1) Pour l'application du présent article, « inspecteur en bâtiment » s'entend au sens défini dans la *Loi*.

14(2) Les personnes régulièrement nommées inspecteurs en bâtiment par le conseil municipal sont autorisées à réaliser les inspections nécessaires à l'administration ou à l'application du présent arrêté.

14(3) Les inspecteurs en bâtiment sont habilités à prendre les mesures et à exercer les pouvoirs et les fonctions énoncés dans la *Loi* et ses règlements d'application, le *Code* et la *Loi sur la gouvernance locale*, selon qu'ils l'estimeront nécessaire à la mise en œuvre ou à l'application des dispositions du présent arrêté.

Droits

15(1) Les droits sont fixés en fonction du coût estimatif total de l'ensemble des travaux envisagés, à l'exclusion des frais de conception et des coûts afférents à l'aménagement du terrain.

15(2) Une estimation des coûts détaillée doit être remise pour tous les projets sauf les habitations unifamiliales, bifamiliales et jumelées.

15(3) Le droit de permis de construction correspond à 25 $ ou au montant, par tranche de 1 000 $ du coût estimatif total des travaux envisagés, fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances*, le montant le plus élevé s'appliquant.

15(4) Le droit de recherche dans un dossier afférent à un terrain correspond au montant fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances.*

15(5) Le droit de permis de démolition correspond au montant fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances.*

15(6) Le droit de permis afférent à une tente ou à une structure gonflable correspond au montant fixé par le conseil municipal et indiqué dans l'*Arrêté sur les droits et redevances.*

15(7) Malgré toute autre disposition du présent arrêté, une demande de permis visant des travaux envisagés à être effectués par la Ville ou pour son compte sera dispensée des exigences du présent article.

15(8) Malgré toute autre disposition du présent arrêté, une demande de permis visant des travaux envisagés à être effectués pour lesquels la Ville contribue un montant significatif de ressources et pour lesquels la Ville est un contributeur principal, pourra, sujet à l'approbation du conseil municipal, être dispensée des exigences du présent article.

15(9) Malgré toute autre disposition du présent arrêté, le droit de demande de permis visant des travaux qui ont été entamés

Severability

16 Where a Court of competent jurisdiction declares any section or part of a section of this By-Law invalid, the remainder of this By-Law shall continue in force unless the Court makes an order to the contrary.

Repeal Provisions

17 A By-Law entitled "A BY-LAW RELATING TO BUILDINGS IN THE CITY OF MONCTON", being by-law # Z-419, ordained and passed on May 6, 2019, and all amendments thereto, is hereby repealed.

Previous Approvals

18 Despite the repeal of By-law Z-419:

(a) nothing in this By-Law will prevent the work for which a permit was issued prior to the coming into force of this By-Law, but time limits associated with the permit continue to apply;

(b) applications for permits submitted prior to the coming into force of this By-Law shall be dealt with under the provisions of By-Law Z-419.

Application to annexed areas

19 This By-law shall apply to all areas of the City that are annexed to it as a result of the restructuring of the City.

MADE AND PASSED_____.

First Reading:
Second Reading:
Third Reading:

avant la présentation de la demande correspond au double du droit prévu dans le présent arrêté.

Divisibilité

16 Lorsque tout ou partie d'une disposition du présent arrêté est déclarée invalide par un tribunal compétent, le reste du présent arrêté demeure en vigueur, sauf ordonnance contraire du tribunal.

Abrogation

17 Est abrogé l'arrêté intitulé *Arrêté de construction de la ville de Moncton*, soit l'arrêté n° Z-419, fait et adopté le 6 mai 2019, ensemble ses modifications.

Autorisations préalables

18 Malgré l'abrogation de l'arrêté Z-419 :

a) le présent arrêté n'a pas pour effet d'empêcher des travaux pour lesquels un permis a été délivré avant son entrée en vigueur, mais les délais afférents au permis continuent à s'appliquer;

b) les demandes de permis présentées avant l'entrée en vigueur du présent arrêté seront traitées sous le régime de l'arrêté Z-419.

Application aux régions annexées

19 Le présent arrêté s'appliquent aux régions de la Ville qui y sont annexées du fait de la restructuration de la Ville.

PRIS ET ADOPTÉ _____.

Première lecture :
Deuxième lecture :
Troisième lecture :

_____
Mayor/Maire

_____
City Clerk/Greffière

BY-LAW # A-418.5

A BY-LAW IN AMENDMENT OF A BYLAW RESPECTING THE PROCEEDINGS OF MONCTON CITY COUNCIL AND COMMITTEE MEETINGS

BE IT ENACTED by the City Council of the City of Moncton as follows:

A By-Law Respecting the Proceedings of Moncton City Council and Committee Meetings, being By-Law # A-418 ordained and passed on the 17th day of December, 2018, is hereby amended as follows:

1. Sections 18 and 19 are hereby repealed.

MADE AND PASSED _____.

First Reading: _____
Second Reading: _____
Third Reading: _____

ARRÊTÉ N^{o} A-418.5

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ CONCERNANT LES DÉLIBÉRATIONS DU CONSEIL MUNICIPAL DE MONCTON ET LES RÉUNIONS DES COMITÉS

Le conseil municipal de Moncton édicte :

L'*Arrêté concernant les délibérations du conseil municipal de Moncton et les réunions des comités*, soit l'arrêté n^{o} A-418, fait et adopté le 17 décembre 2018, est modifié ainsi :

1. Les articles 18 et 19 sont abrogés.

PRIS ET ADOPTÉ _____.

Première lecture : _____
Deuxième lecture : _____
Troisième lecture : _____

_____
Mayor/Maire

_____
City Clerk/Greffière

BY-LAW # A-1218.1

A BY-LAW IN AMENDMENT OF A BY-LAW RELATING TO ESTABLISHING A CODE OF CONDUCT FOR ELECTED OFFICIALS

BE IT ENACTED by the City Council of the City of Moncton as follows:

A By-Law Relating to Establishing a Code of Conduct for Elected Officials, being By-Law # A-1218 ordained and passed on the 17th day of December, 2018, is hereby amended as follows:

1. Sections 34 through 39, including all headings and titles, are deleted and replaced with the following:

34. Persons who have reason to believe that this Code has been breached in any way are encouraged to bring their concerns forward.

35. No Member shall undertake any act of reprisal, or threaten reprisal, against any person who, in good faith, makes a complaint or provides relevant information in relation to a possible violation of this Code.

36. Any report of a potential violation of this Code will be subject to a review as provided herein.

37. Members are expected to co-operate in every way possible in securing compliance with the enforcement of this Code, and shall not obstruct any person in carrying out the objectives or requirements of this Code, or investigating a possible breach of this Code.

38. Members shall be committed to the provisions of this Code. Known or suspected violations of this Code must be addressed by Members. A Member's failure to address a known or suspected violation shall, in itself, constitute a violation of this Code.

39. Any Member who has identified or witnessed behaviour or activity by another Member that the Member reasonably believes, in good faith, is in contravention of this Code may attempt to informally address the breach by:

(a) advising the Member in question of the Member's concern that the conduct violates this Code and encouraging the Member to stop; and/or

(b) requesting that the Mayor facilitate discussion between the parties in an attempt to resolve the issue. In the event that the Mayor is the subject of, or is implicated in the complaint, the Member may request the assistance of the Deputy Mayor.

40. Any Member who is not satisfied with the response or resolution received through the informal process, may file a

ARRÊTÉ Nº A-1218.1

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ CONCERNANT L'ÉTABLISSEMENT D'UN CODE DE DÉONTOLOGIE DES REPRÉSENTANTS ÉLUS

Le conseil municipal de Moncton édicte :

L'*Arrêté concernant l'établissement d'un code de déontologie des représentants élus,* soit l'arrêté nº A-1218, fait et adopté le 17 décembre 2018, est modifié ainsi :

1. Les articles 34 à 39, y compris les titres et intertitres, sont abrogés et remplacés par ce qui suit :

34. Quiconque a des raisons de croire à quelque violation que ce soit du présent code est encouragé à faire part de ses préoccupations.

35. Il est interdit aux membres d'exercer des représailles – ou de menacer de le faire – à l'endroit de quiconque, de bonne foi, dépose une plainte ou fournit des renseignements pertinents quant à la violation possible du présent code.

36. Les violations possibles du présent code qui sont signalées feront l'objet d'un examen mené de la manière prévue au présent arrêté.

37. Les membres doivent coopérer de quelque manière que ce soit pour assurer l'exécution du présent code et ne doivent pas entraver quiconque remplit les objectifs ou les exigences du présent code ou fait enquête sur sa violation possible.

38. Les membres doivent se conformer aux dispositions du présent code. Les violations connues ou présumées du présent code doivent être traitées par les membres. Le défaut de traiter une violation connue ou présumée constitue, en soi, une violation du code par le membre.

39. Un membre qui a relevé une conduite ou une activité d'un autre membre que le membre estime raisonnablement, en toute bonne foi, constituer une violation de présent code ou qui a été témoin d'une telle conduite ou activité peut, pour tenter de remédier à la violation de façon informelle :

a) faire part au membre en question de ses préoccupations selon lesquelles sa conduite viole le présent code et l'encourager à arrêter;

b) demander au maire de faciliter la discussion entre les parties pour tenter de régler la question. Si le maire fait l'objet d'une plainte ou est un participant à une conduite ou activité qui donne naissance à une plainte, le membre peut solliciter l'aide du maire adjoint.

40. Le membre qui n'est pas satisfait de la réponse ou du règlement obtenu au moyen de la procédure informelle peut

formal complaint as outlined below.

41. Any person may formally submit a complaint that a Member has violated this Code by using the form prescribed for that purpose, which will be made available from the City's website or from the City Clerk's Office and should be submitted to the City Clerk's Office who shall promptly forward same to the Mayor's attention on a confidential basis.

42. Notwithstanding any other provisions of this Code, any formal complaint received by the City Clerk ninety (90) days before the date of a municipal election shall not be referred to the Mayor or Deputy Mayor for an initial assessment until after the election has occurred.

43. Complaints will be reviewed and considered as promptly and fairly as reasonably possible.

44. Upon receiving a written complaint, the Mayor shall:

(a) notify the Member who is the subject of the complaint of the allegations made therein; and

(b) review the written complaint as presented.

45. If, after conducting their initial review, the Mayor concludes that the complaint as presented:

(a) is, on its face, devoid of merit;

(b) references an action or conduct that, even if committed, is clearly not a matter covered by this Code or other relevant legislation, policies or procedures; and/or

(c) is frivolous, vexatious or made for an improper purpose,

the Mayor shall summarily dismiss the complaint, but shall report the existence of the complaint and their decision to dismiss to Council.

46. If, after conducting their initial review, the complaint is not summarily dismissed by the Mayor, the Mayor shall refer the complaint to an external consultant with relevant experience to conduct an investigation and provide a report and recommendations to Council (the "Investigator").

47. If a complaint is either made by, or alleges a violation of this Code by, the Mayor, it shall be referred to the Deputy Mayor, who shall thereafter assume the Mayor's normal role in the complaint process. If a complaint involves both the Mayor and the Deputy Mayor, the matter will be referred to Council which, at a closed meeting held for that purpose, shall select a Member, other than the Mayor or the Deputy Mayor, to assume the Mayor's normal role in the complaint process.

48. Upon receipt of a request to so act, the Investigator shall:

déposer une plainte officielle de la manière indiquée ci-dessous.

41. Quiconque peut déposer une plainte officielle portant qu'un membre a enfreint le présent code en utilisant le formulaire prescrit à cette fin, qui sera accessible sur le site Web de la Ville ou au Bureau du greffier. Le formulaire doit être déposé au Bureau du greffier qui le transmettra confidentiellement au maire dans les plus brefs délais.

42. Malgré toute autre disposition du présent code, si le greffier reçoit une plainte officielle 90 jours avant la date d'une élection municipale, il ne doit la renvoyer au maire ou au maire adjoint pour une évaluation initiale qu'après l'élection.

43. Les plaintes seront examinées et traitées aussi rapidement et équitablement que raisonnablement possible.

44. Dès réception d'une plainte écrite, le maire doit :

a) aviser le membre qui fait l'objet de la plainte des allégations qui y sont formulées;

b) examiner la plainte écrite telle que formulée.

45. Après avoir procédé à son examen initial de la plainte telle que formulée, le maire doit la rejeter de façon sommaire, mais en rapporter l'existence et sa décision de la rejeter au conseil municipal, dans les cas suivants :

a) elle est, à première vue, sans fondement;

b) elle renvoie à une action ou à une conduite qui, même si elle a été commise, ne relève manifestement pas du présent code ou d'autres lois, politiques ou procédures pertinentes;

c) elle est frivole, vexatoire ou formulée dans un but injustifié.

46. Si, à l'issue de son examen initial, le maire ne rejette pas la plainte de façon sommaire, il doit renvoyer la plainte à un expert-conseil externe possédant une expérience pertinente (l'enquêteur) afin qu'il mène une enquête et fournisse un rapport et des recommandations au conseil municipal.

47. La plainte déposée par le maire ou alléguant que le maire a violé le présent code est renvoyée au maire adjoint, qui assume alors le rôle normal du maire dans la procédure de traitement de la plainte. Si une plainte vise à la fois le maire et le maire adjoint, l'affaire sera renvoyée au conseil municipal qui, lors d'une réunion à huis clos tenue à cette fin, désignera un membre, autre que le maire ou le maire adjoint, pour assumer le rôle normal du maire dans la procédure de traitement de la plainte.

48. Lorsqu'il reçoit une demande d'agir à ce titre, l'enquêteur doit :

(a) confirm their willingness to do so in writing to the Mayor;

(b) meet with the person(s) who made the complaint to obtain whatever additional information and documentation, as well as receive whatever submissions or commentary the complainant wishes to provide;

(c) meet with the Member who is the subject of the complaint to obtain whatever information and documentation, as well as receive whatever submissions or commentary the Member who is the subject of the complaint wishes to provide;

(d) meet with, speak to or otherwise communicate with any others who might have knowledge of the subject matter of the complaint and review such documentation or relevant materials as the Investigator, in their sole discretion, feels is fair and appropriate in the circumstances; and

(e) explore if the complaint can be resolved in a manner satisfactory to the parties and the Investigator without the necessity of the Investigator submitting a formal report or an adjudication of the complaint by Council.

49. After completing their review and determining their initial position, the Investigator shall meet with the Member who is the subject of the complaint a second time, advise the said Member of the Investigator's initial views on the complaint and give the said Member reasonable opportunity to provide any additional relevant information, documentation or commentary.

50. If either the person who made the complaint or the Member who is the subject of the complaint neglects or refuses to meet with the Investigator as requested, the Investigator may, after reasonable attempts to facilitate such meeting, proceed with their review regardless.

51. After meeting with the Member who is the subject of the complaint a second time, the Investigator shall prepare a written report summarizing the complaint review process, with their findings, conclusions and recommendations, including their view as to whether a violation has occurred and, if so, a recommendation for the sanction to be imposed, if any (the "Investigator's Report").

52. The Investigator's Report shall be provided to the Mayor who, upon receipt, shall schedule a closed meeting of Council to consider the complaint (the "Meeting") and shall circulate a copy of the Investigator's Report in confidence to all Members no later than five days prior to the date of the Meeting.

53. The Investigator shall attend the Meeting and shall review the process followed to consider the complaint as well as their

a) confirmer par écrit au maire qu'il est disposé à assumer ce rôle;

b) rencontrer la personne ou les personnes qui ont déposé la plainte afin d'obtenir les autres renseignements et documents, le cas échéant, et de recevoir les observations que le plaignant souhaite formuler;

c) rencontrer le membre qui fait l'objet de la plainte afin d'obtenir les renseignements et documents et de recevoir les observations que le membre souhaite formuler;

d) rencontrer toute autre personne qui pourrait avoir connaissance de l'objet de la plainte ou discuter ou communiquer d'une manière quelconque avec elle, et examiner les documents ou autres pièces pertinents s'il estime, à son entière discrétion, qu'il est équitable et raisonnable de le faire dans les circonstances;

e) déterminer si la plainte peut être réglée d'une façon satisfaisante pour les parties et pour lui sans qu'il ne soit nécessaire pour lui de présenter un rapport officiel ou sans qu'il ne soit nécessaire que le conseil municipal rende une décision sur la plainte.

49. Après avoir achevé son examen et déterminé sa position initiale, l'enquêteur doit rencontrer une deuxième fois le membre qui fait l'objet de la plainte, l'aviser de ses vues initiales sur la plainte et accorder à ce dernier une possibilité raisonnable de fournir tout autre renseignement ou document pertinent ou de faire toute autre observation pertinente.

50. Si la personne qui a déposé la plainte ou le membre qui fait l'objet de la plainte néglige ou refuse de rencontrer l'enquêteur comme il lui est demandé de le faire, l'enquêteur peut, après avoir fait des tentatives raisonnables de faciliter une telle rencontre, procéder à son examen même sans l'avoir rencontré.

51. À l'issue de sa deuxième rencontre avec le membre faisant l'objet de la plainte, l'enquêteur préparera un rapport écrit résumant le processus d'examen de la plainte et indiquant ses conclusions et recommandations, y compris ses vues quant à savoir si une violation a été commise et, le cas échéant, une recommandation sur la sanction à infliger (le rapport de l'enquêteur).

52. Le rapport de l'enquêteur est présenté au maire qui, dès réception, convoque une réunion à huis clos du conseil municipal pour étudier la plainte (la réunion) et transmet une copie du rapport de l'enquêteur à titre confidentiel à tous les membres au plus tard cinq jours avant la date de la réunion.

53. L'enquêteur assiste à la réunion et passe en revue la procédure suivie pour examiner la plainte, ainsi que ses conclusions et recommandations. L'enquêteur traite aussi des questions posées ou soulevées par les membres présents, y compris le membre faisant l'objet de la plainte.

findings, conclusions and recommendations. The Investigator shall also address any questions posed or points raised by any Members present, including the Member who is the subject of the complaint.

54. The Member who is the subject of the complaint shall be invited and encouraged to attend the Meeting, but if they neglect or refuse to attend without reasonable excuse, Council may make a finding with respect to the validity of the complaint and impose any resulting sanction in the Member's absence.

55. The Member who is the subject of the complaint shall be given reasonable opportunity at the Meeting to provide any relevant additional information, documentation and commentary as well as provide their view as to what sanction may be appropriate should Council find that a violation occurred.

56. The Member who is the subject of the complaint shall not vote or participate in the adjudication of the validity of the complaint made against them or the imposition of a resulting sanction, if any.

57. A Member who is the subject of a complaint is entitled to be represented by a spokesperson or legal counsel, at the Member's sole cost and expense.

58. At the conclusion of the Meeting, Council shall, by vote of the majority of Members present, excluding the Member who is the subject of the complaint, make a finding as to whether the alleged violation has occurred and by separate vote of the majority of the Members present, determine the resulting sanction to be imposed, if any.

59. If Council finds a Member has breached a provision of this Code, Council may impose sanctions which may include, but are not limited to, any of the following:

(a) letter of reprimand addressed to the Member;
(b) demand for a public apology;
(c) public reprimand through a motion of censure;
(d) removal from membership of a committee or committees;
(e) a requirement to attend training;
(f) removal as chair of a committee;
(g) reduction or suspension of remuneration paid to the Member in respect of the Member's services;
(h) required return of City property or reimbursement of its value;
(i) restrictions on access to City facilities, property, equipment, services and supplies;
(j) restrictions on contact with City administration;
(k) restriction on travel and representation on behalf of Council; and
(l) restrictions on how documents are provided to the Member (e.g. no electronic copies, but only watermarked paper copies for tracking purposes).

54. Le membre qui fait l'objet de la plainte est invité et encouragé à assister à la réunion, mais s'il néglige ou refuse d'y assister sans motif raisonnable, le conseil municipal peut se prononcer sur le bien-fondé de la plainte et infliger toute sanction en découlant en l'absence du membre.

55. Le membre qui fait l'objet de la plainte doit se voir accorder une possibilité raisonnable, lors de la réunion, de fournir tout autre renseignement ou document pertinent ou de faire toute autre observation pertinente, ainsi que de donner ses vues quant à la sanction qui pourrait être appropriée si le conseil municipal estime qu'une violation a été commise.

56. Le membre qui fait l'objet de la plainte ne peut ni voter ni participer à la décision sur le bien-fondé de la plainte formulée contre lui ou sur l'imposition d'une sanction en découlant, le cas échéant.

57. Le membre qui fait l'objet d'une plainte a le droit d'être représenté par un représentant ou un avocat, à ses propres frais.

58. À l'issue de la réunion, le conseil municipal, par un vote de la majorité des membres présents – à l'exclusion du membre qui fait l'objet de la plainte – , détermine si la violation présumée a eu lieu et, par un vote distinct de la majorité des membres présents, détermine la sanction en découlant, le cas échéant.

59. S'il conclut qu'un membre a violé une disposition du présent code, le conseil municipal peut infliger des sanctions, dont les suivantes :

a) adresser une lettre de réprimande au membre;
b) exiger des excuses publiques du membre;
c) réprimander publiquement le membre par voie de motion de censure;
d) radier le membre d'un ou de plusieurs comités;
e) enjoindre au membre de suivre une formation;
f) révoquer le membre comme président d'un comité;
g) réduire ou suspendre le traitement versé au membre pour ses services;
h) enjoindre au membre de restituer un bien de la Ville ou d'en rembourser la valeur;
i) imposer des restrictions au membre quant à l'accès aux installations, services et fournitures de la Ville;
j) imposer des restrictions au membre en matière de communication avec l'administration de la Ville;
k) imposer des restrictions au membre en matière de déplacement et de représentation pour le compte du conseil municipal;
l) imposer des restrictions au membre quant au mode de transmission de documents à lui (p. ex., aucune copie électronique et transmission de copies uniquement sur papier filigrané pour des fins de suivi).

60. Le membre à qui le conseil municipal a infligé une sanction par

60. Any Member who has been sanctioned by Council as a result of a violation of this Code shall fulfill any obligations or restrictions imposed on them sincerely and in good faith and a failure to do so shall, in itself, constitute a new violation of this Code.

61. Council shall impose a reasonable deadline for the completion of any aspect of a sanction imposed which requires action by the Member who is the subject of a sanction.

62. Council may also include in any sanction a direction that the Member who is the subject of a sanction report to Council at appropriate intervals, and/or provide documentation in relation to the said Member's completion of any aspect of a sanction. Council shall determine when, or if, the terms of a sanction imposed have been fully met and shall confirm as much to the Member who is the subject of the sanction when this has occurred.

63. A finding of Council on whether a violation has occurred and the imposition of any resulting sanction is final and not subject to reconsideration or appeal.

64. While the fact a complaint has been filed is a public record, the details of the complaint, the investigation and the resulting deliberations of Council at the Meeting are to be held in strict confidence. However, Council's finding on whether a violation of this Code has occurred, and what, if any, sanction is to be imposed will be made public in an open session of Council by resolutions made to that effect.

XIII. STATEMENT OF COMMITMENT

65. Members acknowledge the importance of the principles contained in this Code which are to be self-regulated by Council. Members are required to sign a "Statement of Commitment to the Code of Conduct" (Attachment A) within seven (7) calendar days of any amendment to this Code coming into force, and within seven (7) calendar days of taking the oath of office pursuant to section 58 of the Local Governance Act.

MADE AND PASSED _____.

First Reading: November 21, 2022
Second Reading: _____
Third Reading: _____

suite d'une violation du présent code doit s'acquitter des obligations et se soumettre aux restrictions qui lui sont imposées de façon sincère et de bonne foi, et tout manquement à cette obligation constitue, en soi, une nouvelle violation du présent code.

61. Le conseil municipal accorde un délai raisonnable pour l'exécution de tout aspect d'une sanction infligée qui exige la prise de mesures de la part du membre qui fait l'objet de la sanction.

62. Le conseil municipal peut également inclure dans toute sanction une ordonnance portant que le membre à qui une sanction a été infligée communique avec le conseil municipal à des intervalles appropriés ou fournisse des documents en lien avec l'exécution par lui de tout aspect de la sanction, ou les deux. Le conseil municipal détermine quand ou si les conditions afférentes à une sanction infligée ont été complètement respectées et confirme que l'exécution est complète au membre qui fait l'objet de la sanction lorsque cela s'est produit.

63. Une conclusion du conseil municipal sur l'existence ou non d'une violation et l'imposition de toute sanction en découlant est définitive et ne peut pas faire l'objet d'une révision ou d'un appel.

64. Bien que le fait qu'une plainte ait été déposée relève du domaine public, les détails de la plainte, l'enquête et les débats du conseil municipal à ce sujet qui ont lieu à la réunion doivent être tenus strictement confidentiels. Toutefois, la conclusion du conseil municipal quant à l'existence d'une violation du présent code et à la sanction à infliger, le cas échéant, seront rendues publiques lors d'une assemblée publique du conseil municipal par voie de résolutions prises à cet effet.

XIII. ÉNONCÉ D'ENGAGEMENT

65. Les membres reconnaissent l'importance des principes énoncés dans le présent code qui sera autoréglementé par le conseil municipal. Les membres sont tenus de signer un « Énoncé d'engagement envers le Code de déontologie » (pièce A) dans les sept jours civils suivant l'entrée en vigueur de toute modification du présent code et dans les sept jours civils suivant la prestation par eux du serment d'entrée en fonction visé à l'article 58 de la *Loi sur la gouvernance locale*.

FAIT ET ADOPTÉ _____.

Première lecture : Le 21 novembre 2022
Deuxième lecture : _____
Troisième lecture : _____

BY-LAW # A-1318.7

A BY-LAW IN AMENDMENT OF BY-LAW RESPECTING FEES, RATES AND CHARGES FOR SERVICES PROVIDED BY THE CITY OF MONCTON

BE IT ENACTED by the City Council of the City of Moncton as follows:

The *Fees and Charges By-law*, ordained and passed on the 17th day of December, 2018 is hereby amended as follows:

Amendments

1 Section 3 is repealed and the following is substituted:

3 The fees and charges payable for municipal services provided by the City under its powers vested in it under the *Local Governance Act*, S.N.B. 2017, c. 18 and the *Building Code Administration Act,* S.N.B. 2020, c.8, shall be as outlined in Appendix A.4, which is attached to and forms part of this By-Law.

2 Deleting of Schedule "A.3" is in its entirety.

Commencement

3 This by-law comes into force on January 1, 2023.

MADE AND PASSED _____, 2022.

First Reading: November 21, 2022
Second Reading:
Third Reading:

ARRÊTÉ Nº A-1318.7

ARRÊTÉ PORTANT MODIFICATION DE L'ARRÊTÉ CONCERNANT LES DROITS, TARIFS ET REDEVANCES POUR LES SERVICES FOURNIS PAR LA VILLE DE MONCTON

Le conseil municipal de Moncton édicte :

L'*Arrêté sur les droits et redevances*, fait et adopté le 17 décembre 2018, est modifié ainsi qu'il suit :

Modifications

1 L'article 3 est abrogé et remplacé par ce qui suit:

3 Les droits et redevances à verser pour les services municipaux fournis par la Ville, en vertu du pouvoir que lui confère la *Loi sur la gouvernance locale*, L.N.-B. 2017, ch. 18 et la *Loi sur l'administration du Code du bâtiment,* L.N.-B. 2020, ch. 8, sont énoncés à l'Appendice A.4 ci-joint, qui fait partie du présent arrêté.

2 Suppression de l'Annexe A.3 dans son intégralité.

Entrée en vigueur

3 Le présent arrêté entre en vigueur le 1er janvier 2023.

PRIS ET ADOPTÉ le _____ 2022.

Première lecture : November 21, 2022
Deuxième lecture :
Troisième lecture :

_____
Mayor/Maire

_____
City Clerk/Greffière

APPENDIX A.4
FEES AND CHARGES

APPENDICE A.4
DROITS ET REDEVANCES

DRAFT

MONCTON

APPENDIX A.4 / APPENDICE A.4

City of Moncton / Ville de Moncton
Fees & Rates Schedules / Annexes des frais et des droits

FEES AND RATES / FRAIS ET DROITS	SCHEDULE / ANNEXE
BUILDING INSPECTION / INSPECTION DES BÂTIMENTS	1
BY-LAW ENFORCEMENT / EXÉCUTION DES ARRÊTÉS	2
CODIAC TRANSPO	3
MONCTON COLISEUM – FACILITY RENTAL RATES / COLISÉE DE MONCTON – TARIFS DE LOCATION DE SALLES	4
MONCTON COLISEUM – LEGENDS – ROOM RENTALS / COLISÉE DE MONCTON – LEGENDS – LOCATION DE SALLES	5
ENGINEERING / INGÉNIERIE	6
ENGINEERING – MUNICIPAL PARKING LOTS / INGÉNIERIE – STATIONNEMENTS MUNICIPAUX	7
FINANCE & ADMINISTRATION / FINANCES ET ADMINISTRATION	8
RECREATION – CROSSMAN COMMUNITY CENTRE – KAY ARENA) / LOISIRS – CENTRE COMMUNAUTAIRE CROSSMAN – ARÉNA KAY	9
LEGAL SERVICES / SERVICES JURIDIQUES	10
MAGNETIC HILL ILLUSION / ILLUSION DE LA CÔTE MAGNÉTIQUE	11
MONCTON MARKET – VENDORS RENTALS / MARCHÉ MONCTON - LOCATIONS DE KIOSQUE	12
RESURGO PLACE (MUSEUM) – ADMISSIONS / PLACE RESURGO (MUSÉE) – DROITS D'ENTRÉE	13
RESURGO PLACE (MUSEUM) – FACILITY RENTALS / PLACE RESURGO (MUSÉE) – LOCATION DE SALLES	14
Right to Information and Protection of Privacy Act (RTIPPA) / Loi sur le droit à l'information et la protection de la vie privée	15
RECREATION – SPORT FIELD RENTALS (ADULTS) / LOISIRS – LOCATION DE TERRAINS DE SPORT (ADULTES)	16
WATER AND WASTEWATER – MISCELLANEOUS SERVICE FEES / EAU ET EAUX USÉES – FRAIS DIVERS	17
WATER AND WASTEWATER RATES / TARIFS POUR L'EAU ET LES EAUX USÉES	18
MAGNETIC HILL ZOO – ADMISSIONS / ZOO DE MAGNETIC HILL – DROITS D'ENTRÉE	19
MAGNETIC HILL ZOO – EDUCATIONAL CAMPS AND BIRTHDAY PARTIES / ZOO DE MAGNETIC HILL – CAMPS ÉDUCATIFS ET FÊTES D'ANNIVERSAIRE	20

MONCTON

SCHEDULE 1 / ANNEXE 1 BUILDING INSPECTION / INSPECTION DES BÂTIMENTS	
	2023 Fees / Frais $
Building By-law / Arrêté de construction	
Building permit: $8 per $1,000 of construction value of the work (minimum $25) / Permis de construction: 8 $ par tranche de 1 000 $ de la valeur estimative des travaux (minimum 25 $)	Minimum 25
Property search request / Demande de recherche sur une propriété	100
Demolition permit: $8 per $1,000 of demolition cost (minimum $25) / Permis de démolition: 8 $ par tranche de 1 000 $ du coût de la démolition (minimum 25 $)	Minimum 25
Tent or air supported structure permit / Permis d'installation d'un chapiteau (ou tente) ou d'une structure gonflable	25
Plumbing By-law / Arrêté de plomberie	
Hot water tank replacement annual permit / Permis annuel pour remplacement de chauffe-eau*	50
Hot water tank replacement / Remplacement d'un chauffe-eau*	15
Permit for plumbing work / Permis de travaux de plomberie	50
Per fixture / Par appareil sanitaire	20
Per roof drain / Par avaloir de toit	30

** Fee established and collected by the Province / Frais établi et reçu par la Province*

HST does not apply / La TVH ne s'applique pas

MONCTON

SCHEDULE 2 / ANNEXE 2 BY-LAW ENFORCEMENT / EXÉCUTION DES ARRÊTÉS	
	2023 Fees / Frais $
Animal Control By-law / Arrêté de surveillance des animaux	
Dog licence (spayed female or neutered male) / Permis de garde de chien (femelles et mâles châtrés)	10
Dog licence (fertile dog) / Permis de garde chien (fertiles)	20
Replacement of lost licence / Remplacement d'un permis perdu	10
Reclaiming of impounded animal / Reprise d'un animal en fourrière	100
Dangerous dog tag / Plaque d'identification de chien dangereux	200
Taxicabs (owners & operators) By-law / Arrêté de taxis (propriétaires et chauffeurs)	
Vehicle for hire company license fees 1-10 licensed Vehicles / Droits de permis pour entreprises de transport contre rémunération (1 à 10 véhicules immatriculés)	2,000
Vehicle for hire company license fees 11-25 licensed Vehicles / Droits de permis pour entreprises de transport contre rémunération (11 à 25 véhicules immatriculés)	5,000
Vehicle for hire company license fees 26-100 licensed Vehicles / Droits de permis pour entreprises de transport contre rémunération (26 à 100 véhicules immatriculés)	15,000
Vehicle for hire company license fees 100+ licensed Vehicles / Droits de permis pour entreprises de transport contre rémunération (plus de 100 véhicules immatriculés)	25,000
Taxicab owner's licence / Permis de propriétaire de taxi	110
Taxicab driver's licence / Permis de chauffeur de taxi	95
Transfer of licence to another vehicle of the owner / Tranfert de permis à un autre véhicule du propriétaire	10
Substitute identification decals / Vignettes d'identité de remplacement	10
Transient Traders By-law / Arrêté de vendeurs ambulants	
Security bond / Caution	200
Licence / Permis	100
Pawnbrokers By-law / Arrêté de prêteurs sur gages	
Licence / Permis	100
Portable Signs By-law / Arrêté de panneaux portatifs	
Permit / Permis	100
Special permit (30 days) / Permis spécial (30 jours)	25
Sidewalk Cafés By-law / Arrêté de cafés-terrasses	
Administration Fee / Frais d'administration	250
Licence / Permis d'exploitation	100
Immobilization of Vehicles By-law / Arrêté d'immobilisation de véhicules	
Licence / Permis	100
Land Lease Communities By-law / Arrêté de zones résidentielles à baux fonciers	
Licence / Permis	100
Fire Protection By-Law/ Arrêté sur la protection contre les incendies	
Permit for appliance (fire pit) / Permis pour foyer extérieur	10

HST does not apply / La TVH ne s'applique pas

MONCTON

SCHEDULE 3 / ANNEXE 3 CODIAC TRANSPO	
	2023 Fees / Frais ($)
Fares / Tarifs	
Single-ride fare / Trajet simple	3.00 / 3,00
Daycare rate (per person) / Tarif de garderie (par personne)	2.00 / 2,00
Group day pass / Laissez-passer de groupe un jour	20
10 ride pass / Carte de 10 trajets	27
20 ride pass / Carte de 20 trajets	45
Ages 5 & under / 5 ans et moins	Free / Gratuit
Ages 65 and more on Wednesdays / 65 ans et plus, les mercredis	Free / Gratuit
CNIB card holders / Titulaires de carte INCA	Free / Gratuit
Companion of individuals with disabilities or special needs / Accompagnateur d'un passager ayant un handicap ou des besoins spéciaux	Free / Gratuit
Monthly Pass / Laissez-passer mensuel	
Adult / Adulte	70
Ages 65 and over / 65 ans et plus	55
Student / Étudiant	55
Employer Monthly Pass / Laissez-passer mensuel employeur	
Adult / Adulte	57
Ages 65 and over / 65 ans et plus	44
Student / Étudiant	44
Chartered Bus / Autobus nolisé	
Per hour / de l'heure *	115
Per hour layover / de l'heure en escale *	57.50 / 57,50
Special Events / Événements spéciaux	
100 to 249 all day pass / 100 à 249 laissez-passer d'un jour	3.75 each / 3,75 chacun
250 + all day pass / 250 et plus laissez-passer d'un jour	3.25 each / 3,25 chacun
10 ride pass for participants' family members / Carte de 10 trajets pour les membres de la famille des participants	19

**** Plus HST / TVH en sus***

MONCTON

SCHEDULE 4 / ANNEXE 4 MONCTON COLISEUM – FACILITY RENTAL RATES / COLISÉE DE MONCTON – TARIFS DE LOCATION DE SALLES	
	2023 Fees / Frais ($)
Regular Pricing / Tarif courant	
Event Day / Jour d'événement	
Coliseum (full) / Colisée (complet)	3826
Coliseum (floor only) / Colisée (plancher seulement)	3115
Exhibition Hall A, B or C / Salle d'exposition A, B ou C	3115
Meeting room D / Salle de réunion D	350
Meeting room E / Salle de réunion E	100
Parking lot corner / Coin du parc de stationnement (17652 m² [190000 ft² / pi²])	1250
Parking lot corner / Coin du parc de stationnement (8640 m² [93000 ft² / pi²])	750
Front parking lot / Terrain de stationnement avant (41806 m² [450000 ft² / pi²])	3000
Non-Event Day (Set-Up & Tear-Down Days) / Jours sans événement (montage et démontage)	
Coliseum (full) / Colisée (complet)	1,913
Coliseum (floor only) / Colisée (plancher seulement)	1557.50 / 1557,50
Exhibition Hall A, B or C / Salle d'exposition A, B ou C	1557.50 / 1557,50
Meeting room D / Salle de réunion D	175
Meeting room E / Salle de réunion E	50
Parking lot corner / Coin du parc de stationnement (17652 m² [190000 ft² / pi²])	675
Parking lot corner / Coin du parc de stationnement (8640 m² [93000 ft² / pi²])	375
Front parking lot / Terrain de stationnement avant (41806 m² [450000 ft² / pi²])	1500

**Special Pricing for City of Moncton and Not-for-Profit groups : 50% of the regular cost /*
Tarif préférentiel pour les groupes de la Ville de Moncton et à but non lucratif : 50 % du tarif courant

Plus HST / TVH en sus

MONCTON

SCHEDULE 5 / ANNEXE 5 MONCTON COLISEUM – LEGENDS – ROOM RENTALS / COLISÉE DE MONCTON – LEGENDS – LOCATION DE SALLES	
	2023 Fees / Frais ($)
Regular Pricing / Tarif courant	
Legends Room / Salle Legends	
(Feb, Apr, July) Sunday – Thursday / (dimanche au jeudi en fév., avril et juil.)	300
(Feb, Apr, July) Friday – Saturday / (vendredi et samedi en fév., avril et juil.)	500
(Jan, Jun, Aug, Sept, Oct, Nov, Dec) Sunday – Thursday / (dimanche au jeudi en janv., juin, août, sept., oct., nov., et déc.)	500
(Jan, Jun, Aug, Sept, Oct, Nov, Dec) Friday – Saturday / (vendredi et samedi en janv., juin, août, sept., oct., nov., et déc.)	750
(Mar, May) Sunday – Thursday / (dimanche au jeudi en mars et mai)	600
(Mar, May) Friday – Saturday / (vendredi et samedi en mars et mai)	850
Meeting room / Salle de réunion	
Room A, B or C / Salle A, B ou C	200

**Special Pricing for City of Moncton and Not-for-Profit groups : 50% of the regular cost /*
Tarif préférentiel pour les groupes de la Ville de Moncton et à but non lucratif : 50 % du tarif courant

Plus HST / TVH en sus

MONCTON

SCHEDULE 6 / ANNEXE 6 ENGINEERING / INGÉNIERIE	
	2023 Fees / Frais ($)
Use of Municipal Snow Dump / Utilisation de la décharge à neige municipale	
Tandem truck (per load) / Camion tandem (par charge)	8.50 / 8,50
Tandem trailer (per load) / Remorque tandem (par charge)	11
Use of Streets By-law / Arrêté d'utilisation des rues	
Culvert installation – Application / Installation de ponceau – demande	100
Culvert installation – Security deposit / Installation de ponceau – dépôt de garantie	500
Curb cut – Application / Aménagement d'un bateau de trottoir – demande	100
Curb cut – Work / Aménagement d'un bateau de trottoir - travaux	Cost of work / Coût des travaux
Utility permit plans examination (minimum $250) / Examen des plans pour permis de services publics (minimum 250 $)	Cost of Work/ Coût des travaux
Street & services permit – Security deposit / Permis de voirie et de services – dépôt de garantie	2250
Street & services permit – Inspection / Permis de voirie et de services – inspection	750
Street closure permit / Permis de fermeture de rue	55
Pavement degradation (per square metre) / Détérioration du revêtement (par mètre carré)	5-25 / 5 à 25
Moving oversized/overweight loads / Déménagement de charges hors gabarit (dimensions et poids)	80
Branch service laterals – Capital Construction Projects – 1st lateral / Conduites secondaires de raccordement – Projets d'immobilisations – Première conduite secondaire	5000
Branch service laterals – Capital Construction Projects – 2nd service / Conduites secondaires de raccordement – Projets d'immobilisations – Deuxième conduite secondaire	1500
Branch service laterals - Capital Construction Projects - 3rd service / Conduites secondaires de raccordement - Projets d'immobilisations – Troisième conduite secondaire	1500

HST does not apply / La TVH ne s'applique pas

MONCTON

SCHEDULE 7 / ANNEXE 7 ENGINEERING – MUNICIPAL PARKING LOTS / INGÉNIERIE – STATIONNEMENTS MUNICIPAUX	
	2023 Fees / Frais $
Place Moncton Place (6 am - 6 pm) (6 h à 18 h)	
Hourly rate / Tarif horaire	2.50 / 2,50
Daily rate / Tarif journalier	18
Monthly rate / Tarif mensuel*	160
Alma Parking Garage (6 am - 6 pm) / Stationnement à étages Alma (6 h à 18 h)	
Hourly rate / Tarif horaire	2.50 / 2,50
Daily rate / Tarif journalier	18
Monthly rate / Tarif mensuel*	160
Rue Seymour Street (6 am - 6 pm) (6 h à 18 h)	
Hourly rate / Tarif horaire	2.50 / 2,50
Daily rate / Tarif journalier	18
Monthly rate / Tarif mensuel*	N/A / S.O.
Marché Moncton Market (6 am - 6 pm) (6 h à 18 h)	
Hourly rate / Tarif horaire	2.50 / 2,50
Daily rate / Tarif journalier	18
Monthly rate / Tarif mensuel	160
Riverfront Park (6 am - 6 pm) / Parc Riverain (6 h à 18 h)	
Hourly rate / Tarif horaire	2.50 / 2,50
Daily rate / Tarif journalier	18
Monthly rate / Tarif mensuel*	125
Rue Robinson Street (6 am - 6 pm) (6 h à 18 h)	
Hourly rate / Tarif horaire	2.50 / 2,50
Hourly night-time flat rate / Tarif horaire fixe en soirée	
Sunday - Saturday (6 pm - 6 am) / dimanche - samedi (18 h à 6 h)	3
Parking Meter Rental / Location de parcomètre	
Monthly rate / Tarif mensuel	160
Parking vouchers / Bons de stationnement	
50 Vouchers / 50 bons	100
On-Street Parking Meters (Hourly rate) / Parcomètres sur rue (Tarif horaire)	1.50-2.50 / 1,50 à 2,50

**** Plus HST / TVH en sus***

MONCTON

SCHEDULE 8 / ANNEXE 8
FINANCE & ADMINISTRATION / FINANCES ET ADMINISTRATION

	2023 **Fees / Frais ($)**
Water & wastewater encumbrance certificate / Certificat de charge d'eau et d'eaux usées	50
Water & wastewater encumbrance certificate – vacant property / Certificat de charge d'eau et d'eaux usées – propriété inoccupée	30
Non-sufficient funds charge / Frais pour paiement refusé	25
Interest on overdue accounts receivable / Intérêt sur les comptes clients en souffrance	1.5%/Month 1,5 %/mois

HST does not apply / La TVH ne s'applique pas

MONCTON

SCHEDULE 9 / ANNEXE 9 RECREATION – CROSSMAN COMMUNITY CENTRE - KAY ARENA LOISIRS – CENTRE COMMUNAUTAIRE CROSSMAN - ARÉNA KAY	
	2023 Fees / Frais ($)
Room (Hourly Rate) / Salle (tarif horaire)	
Multi-purpose rooms / Salles multifonctionnelles	30
Gymnasium (Hourly Rate) / Gymnase (tarif horaire)	
Youth (18 and under) not-for-profit activity / Activité à but non lucratif pour les 18 ans et moins	25
Adult not-for-profit activity / Activité à but non lucratif pour les adultes	45
Private activity / Activité privée	45
Party Package / Location pour fête	
Gymnasium or ice surface and room / Gymnase ou patinoire et salle	125

HST included / TVH incluse

MONCTON

SCHEDULE 10 / ANNEXE 10 LEGAL SERVICES / SERVICES JURIDIQUES	
	2023 **Fees / Frais ($)**
Encroachment Agreement / Entente d'empiètement	
Preparation of agreement documents, seeking approvals and execution / Préparation des documents d'entente, demandes d'approbation et signatures	250
Preparation of release documents, seeking approvals and execution / Préparation des documents de quittance, demandes d'approbation et signatures	250

HST does not apply / La TVH ne s'applique pas

MONCTON

SCHEDULE 11 / ANNEXE 11 MAGNETIC HILL ILLUSION / ILLUSION DE LA CÔTE MAGNÉTIQUE	
	2023 Fees / Frais ($)
Per Vehicle / Par véhicule	7
Per Tour Bus / Par autocar	55

HST included / TVH incluse

MONCTON

SCHEDULE 12 / ANNEXE 12 MONCTON MARKET – VENDORS RENTALS / MARCHÉ MONCTON – LOCATIONS DE KIOSQUE	
	2023 Fees / Frais ($)
Per Linear Foot / Par pied linéaire*	
New and/or casual vendors (Casual = under 6 months per year) / Nouveaux marchands et marchands occasionnels (moins de 6 mois par an)	4.25 / 4,25
Permanent vendors in interior rows / Marchands permanents dans les rangées intérieures	3.25 / 3,25
Wall space with no counter behind / Espace au mur sans comptoir derrière	3.50 / 3,50
Wall space with counter behind / Espace au mur avec comptoir derrière	3.75 / 3,75
Outdoors (minimum of 10 feet) / À l'extérieur (minimum de 10 pieds)	3.50 / 3,50

**** Electrical costs are an additional charge based on usage /***
**** Des frais additionnels s'appliquent pour l'électricité en fonction de l'usage***

HST included / TVH incluse

MONCTON

SCHEDULE 13 / ANNEXE 13 RESURGO PLACE (MUSEUM) – ADMISSIONS / PLACE RESURGO (MUSÉE) – DROITS D'ENTRÉE	
	2023 Fees / Frais ($)
Regular Admission / Entrée Individuelle	
Ages 0 to 3 / 0 à 3 ans	Free / Gratuit
Ages 4 to 11 / 4 à 11 ans	6
Ages 12 to 17 and student with a valid ID / 12 à 17 ans et étudiant avec carte d'identité	8
Ages 18 to 59 / 18 à 59 ans	12
Ages 60 and over / 60 ans ou plus	9
Companion of individual with disabilities or special needs / Accompagnateur d'un visiteur ayant un handicap ou des besoins spéciaux	Free / Gratuit
Family / Famille	
Family (4 members) / Famille (4 membres)	25
Additional child (ages 4 to 11) / Enfant supplémentaire (4 à 11 ans)	3
Additional youth (ages 12-17) or student with a valid ID / Jeune (12 à 17 ans) ou étudiant supplémentaire avec carte d'identité	5
Group (10 or more) price per person / Groupe (10 ou plus) tarif par personne	
Ages 4 to 17 / 4 à 17 ans	4
School Visit / Visite scolaire	3
Ages 18 to 59 / 18 à 59 ans	8
Ages 60 and over / 60 ans ou plus	6
Chaperones / Accompagnateurs	Free / Gratuit
Guided Tour / Visite guidée	
Up to 25 people / jusqu'à 25 personnes	30
Annual Pass (valid for a year from date of purchase) / Laissez-passer annuel (valide pour un an à compter de la date d'achat)	
Ages 4 to 17 and student with a valid ID / 4 à 17 ans et étudiant avec carte d'identité	21
Ages 18 and over / 18 ans et plus	30
Family (4 members) / Famille (4 membres)	72
Duo (2 persons) / Duo (2 personnes)	50
Birthday Party / Fête d'enfants	
10 children & 2 chaperones / 10 enfants et 2 accompagnateurs adultes	150
Additional child / Enfant supplémentaire	12

HST included / TVH incluse

MONCTON

SCHEDULE 14 / ANNEXE 14 RESURGO PLACE (MUSEUM) – FACILITY RENTALS / PLACE RESURGO (MUSÉE) – LOCATION DE SALLES	
	2023 Fees / Frais ($)
Galley / La Coquerie	
Regular Rate (per hour) / Tarif général (par heure)	80
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	50
Regular Rate (4 hours) / Tarif général (4 heures)	130
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	70
Regular Rate (8 hours) / Tarif général (8 heures)	205
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	105
Galerie Union Centre	
Regular Rate (per hour) / Tarif général (par heure)*	80
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)*	50
Regular Rate (4 hours) / Tarif général (4 heures)*	130
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)*	70
Regular Rate (8 hours) / Tarif général (8 heures)*	205
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)*	105
Conference Room / Salle de conférence	
Regular Rate (per hour) / Tarif général (par heure)	80
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	50
Regular Rate (4 hours) / Tarif général (4 heures)	130
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	70
Regular Rate (8 hours) / Tarif général (8 heures)	205
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	105
Lobby / Hall d'entrée	
Regular Rate (per hour) / Tarif général (par heure)*	95
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)*	65
Regular Rate (4 hours) / Tarif général (4 heures)*	145
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)*	85
Regular Rate (8 hours) / Tarif général (8 heures)*	220
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)*	120
Mezzanine	
Regular Rate (per hour) / Tarif général (par heure)*	165
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)*	135
Regular Rate (4 hours) / Tarif général (4 heures)*	215
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)*	155
Regular Rate (8 hours) / Tarif général (8 heures)*	290
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)*	190
Mezzanine & Lobby / Mezzanine et hall d'entrée	
Regular Rate (per hour) / Tarif général (par heure)	215
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	185
Regular Rate (4 hours) / Tarif général (4 heures)	265
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	205
Regular Rate (8 hours) / Tarif général (8 heures)	340
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	240
Learning Centre / Centre d'apprentissage	
Regular Rate (per hour) / Tarif général (par heure)	95
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	65

	2023 Fees / Frais ($)
Regular Rate (4 hours) / Tarif général (4 heures)	145
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	85
Regular Rate (8 hours) / Tarif général (8 heures)	220
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	120
Transportation Discovery Centre (TDC) / Centre de découverte des transports (CDT)	
Regular Rate (per hour) / Tarif général (par heure)	95
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	65
Regular Rate (4 hours) / Tarif général (4 heures)	145
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	85
Regular Rate (8 hours) / Tarif général (8 heures)	220
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	120
TDC & Galleries / CDT et galeries	
Regular Rate (per hour) / Tarif général (par heure)	115
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	85
Regular Rate (4 hours) / Tarif général (4 heures)	165
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	105
Regular Rate (8 hours) / Tarif général (8 heures)	240
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	140
Free Meeting House / Temple libre	
Regular Rate (per hour) / Tarif général (par heure)	75
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	45
Regular Rate (4 hours) / Tarif général (4 heures)	125
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	65
Regular Rate (8 hours) / Tarif général (8 heures)	200
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	100
Maison Thomas Williams House - Rentals / Locations	
Regular Rate (per hour) / Tarif général (par heure)	75
Not-for-profit organization (per hour) / Organisme sans but lucratif (par heure)	45
Regular Rate (4 hours) / Tarif général (4 heures)	125
Not-for-profit organization (4 hours) / Organisme sans but lucratif (4 heures)	65
Regular Rate (8 hours) / Tarif général (8 heures)	200
Not-for-profit organization (8 hours) / Organisme sans but lucratif (8 heures)	100
Maison Thomas Williams House - Leases / Baux (Monthly / chaque mois)	
Room 1 / Chambre un	135.78 / 135,78
Room 2 / Chambre deux	117.12 / 117,12
Room 3 / Chambre trois	34.49 / 34,49
Room 5 / Chambre cinq	120.11 / 120,11
Room 6 / Chambre six	121.86 / 121,86
Wedding Packages / Forfaits de mariage	
Wedding down payment fee / Frais d'acompte de mariage	50
Free Meeting House (May 1 – Sept. 30) / Temple libre (1er mai au 30 sept.)	170
Free Meeting House (Oct. 1 – April 30) / Temple libre (1er oct. au 30 avril)	220
Forfait Georgian Package	320
Forfait Parsons Package	620
Forfait Portsmouth Package	770
Thomas Williams House Wedding Photos / Photos de mariage à la Maison Thomas-Williams	
Hourly rate / Tarif horaire	75
8 hours / 8 heures	215
Additional Fees / Frais additionnels	
Cancelation fee / Frais d'annulation	25
Last minute bookings (within 48 hours) / Réservation tardive (dans les 48 heures)	40
Monday to Saturday (12 am to 8 am) / Lundi au samedi (minuit à 8 h)	50
Sunday (12 am to 12 pm) / Dimanche (minuit à midi)	50
Cleaning (per hour) / Nettoyage (par heure)	20

	2023 Fees / Frais ($)
Security (per hour) (min. 3 hours) / Sécurité (par heure) (min. 3 heures)	20
Parking attendant (per hour) / Préposé au stationnement (par heure)	15
Bar tender (per hour) / Préposé au bar (par heure)	18
Podium	35
Screen & projector / Écran et projecteur	30
Flip chart / Tableau de papier	10
Whiteboard / Tableau Blanc	15
Easel / Chevalet	15
Music Stand / Lutrin	10
Bistro table with linen (per table) / Table bistro avec nappe (par table)	20
Round table with linen (per table) / Table ronde avec nappe (par table)	30
Linens (per table) / Nappes (par table)	6
Mic / Micro	20
Speaker / Haut-parleur	20
Wireless Mic / Micro sans fil	20
Coffee & tea with mugs / Thé et café avec des tasses	15

**Extra charge of $50 shall apply during hours of operation /*
**Frais supplémentaire de 50 $ durant les heures d'ouverture*

Plus HST / TVH en sus

MONCTON

SCHEDULE 15 / ANNEXE 15 RIGHT TO INFORMATION AND PROTECTION OF PRIVACY ACT (RTIPPA) / LOI SUR LE DROIT À L'INFORMATION ET LA PROTECTION DE LA VIE PRIVÉE	
	2023 Fees / Charges ($)
Application, Search, Preparation, Copying and Delivery Services / Demande et services de recherche, de préparation, de copie et de livraison	
Application / Demande	**N/A / S.O.**
Search and preparation / Recherche et préparation	**N/A / S.O.**
Copying / Copie	**N/A / S.O.**
Computer programming and data processing / Programmation informatique ou de traitement de données	**N/A / S.O.**
Mail and courrier delivery / Poste et service de messagerie	**N/A / S.O.**

NOTE *– Authority has not been provided under the Right to Information and Protection of Privacy Act for public bodies to charge fees in relation to information requests. /* ***REMARQUE*** *: La Loi sur le droit à l'information et la protection de la vie privée n'autorise pas les organismes publics à imposer des frais pour les demandes d'information.*

MONCTON

SCHEDULE 16 / ANNEXE 16 RECREATION – SPORT FIELD RENTALS (ADULTS) / LOISIRS – FRAIS DE LOCATION DES TERRAINS DE SPORT (ADULTES)	
Fields / Terrains	**2023 Fees / Frais ($)**
Hourly Rate / Tarif horaire	
Turf Field / Terrain de gazon	66
Kiwanis Baseball Park / Terrain de baseball du parc Kiwanis	66
Hour Session / Séance d'une heure	
Class A Field / Terrain de catégorie A	10
Class B Field / Terrain de catégorie B	8
Class C Field / Terrain de catégorie C	6
Seasonal Rental / Location saisonnière	
Class A Field / Terrain de catégorie A	500
Class B Field / Terrain de catégorie B	460
Class C Field / Terrain de catégorie C	300
Lights (Turf Fields) / Éclairage (terrains de gazon)	
Per session / Par session	30

Plus HST / Taxe en sus

Field Classification / Classification des terrains

Class A *– Fenced in with lights, backstop, bleachers, regulation size, controlled access for admission /*
Catégorie A *– Clôture avec éclairage, grillage de sécurité, gradins, superficie réglementaire et accès réglementé pour l'entrée des spectateurs*
Class B *– Regulation size, backstop, bleachers, limited control for admission purposes /*
Catégorie B *– Superficie réglementaire, grillage de sécurité, gradins, contrôle limité pour l'entrée des spectateurs*
Class C *– Not necessarily regulation size, limited fencing and maintenance /*
Catégorie C *– Superficie non nécessairement réglementaire, clôturage et entretien limités*

MONCTON

SCHEDULE 17 / ANNEXE 17 WATER AND WASTEWATER – MISCELLANEOUS SERVICE FEES / EAU ET EAUX USÉES – FRAIS DIVERS		
Miscellaneous Service Fees / Frais divers		**2023 Fees / Frais ($)**
Fire main 150 mm (6 in) / Conduite principale 150 mm (6 po)	per month / par mois	11.23 / 11,23
Fire main 200 mm (8 in) / Conduite principale 200 mm (8 po)	per month / par mois	13.53 / 13,53
Fire main 250 mm (10 in) and greater / Conduite principale 250 mm (10 po) ou plus	per month / par mois	15.77 / 15,77
Private hydrant / Borne-fontaine privée	Each / chacune	28.82 / 28,82
Supervision of fire flow test / Supervision du test de débit - protection incendie		225
Water service connection activation / Activation du service d'eau	Per connection / par raccord	255
Water service "ON/OFF" / Interruption et réactivation*	Per visit / par visite	80
Water service tap 19–25 mm (3/4–1 in) (including labour) / Raccord pour service d'eau 19 à 25 mm (3/4 po à 1 po) (main-d'oeuvre comprise)		150
Water service tap 38–50 mm (1 ½–2 in) (including labour) / Raccord pour service d'eau 38 à 50 mm (1 ½ po à 2 po) (main d'oeurvre comprise)		250
Water service tap over 50 mm (2 in) (including labour) / Raccord pour service d'eau plus de 50 mm (2 po) (main d'oeuvre comprise)		550
Backflow device and water meter assembly – set up, testing and removal / Dispositif anti-refoulement et compteur d'eau – Installation, test et retrait		150
Backflow device and water meter assembly – weekly rental / Dispositif anti-refoulement et compteur d'eau – location (par semaine)		25
Backflow device and water meter assembly – bulk water consumption / Dispositif anti-refoulement et compteur d'eau – eau en vrac		
Bulk Water Rates / Tarif d'eau en vrac		
Based on volumes (Schedule 18) / D'après la consommation (Annexe 18)		

**** Plus HST / TVH en sus***

MONCTON

SCHEDULE 18 / ANNEXE 18 WATER AND WASTEWATER RATES / TARIFS POUR L'EAU ET LES EAUX USÉES	
Water and Wastewater Rate / Tarifs d'eau et d'eaux usées	**2023 Fees / Frais ($)**
Water – Fixed Fee by Service Size / Eau – tarif fixe par diamètre de conduite	**Monthly / Mensuel**
19 mm (5/8 - 3/4 in / po)	14.26 (42.78 quarterly*) / 14,26 (42,78 par trimestre*)
25 mm (1 in / po)	35.66 / 35,66
38 mm (1½ in / po)	57.06 / 57,06
50 mm (2 in / po)	71.32 / 71,32
75 mm (3 in / po)	156.90 / 156,90
100 mm (4 in / po)	199.69 / 199,69
150 mm (6 in / po)	299.54 / 299,54
200 mm (8 in) or greater - 200 mm (8 po) ou plus	413.65 / 413,65
Water – Consumption / Eau – consommation	
0 – 1200 m³	1.504/m³ / 1,504/m³
> 1200 m³	0.977/m³ / 0,977/m³
Wastewater – Fixed Fee by Service Size / Eaux usées – frais mensuels fixes	
19 mm (5/8 - 3/4 in / po)	10.77 (32.31 quarterly*) / 10,77 (32,31 par trimestre*)
25 mm (1 in / po)	26.92 / 26,92
38 mm (1½ in / po)	43.07 / 43,07
50 mm (2 in / po)	53.83 / 53,83
75 mm (3 in / po)	118.43 / 118,43
100 mm (4 in / po)	150.73 / 150,73
150 mm (6 in / po)	226.10 / 226,10
200 mm (8 in) or greater - 200 mm (8 po) ou plus	312.23 / 312,23
Wastewater – Consumption / Eaux usées – consommation	
0-1200 m³	0.611/m³ / 0,611/m³
> 1200 m³	0.397/m³ / 0,397/m³
TransAqua (Wastewater Treatment Facility) / TransAqua (station de traitement des eaux usées)	
Residential fixed fee / Frais fixe résidentiel	210.00 annual (52.50 quarterly*) / 210,00 annuel (52,50 par trimestre*)
Commercial consumption fee / Frais de consommation commerciale	
0–1200 m³	0.950/m³ / 0,950/m³
> 1200 m³	0.650/m³ / 0,650/m³

**** Includes all residential users / Pour tous les utilisateurs résidentiels***

MONCTON

SCHEDULE 19 / ANNEXE 19 MAGNETIC HILL ZOO – ADMISSION / ZOO DE MAGNETIC HILL – DROITS D'ENTRÉE
Regular Admission / Droits d'entrée
Beginning of April to Victoria Day weekend/ Du début avril à la fin de semaine de la fête de la Reine
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
Tuesday after Victoria Day to the end of school year / Du mardi suivant la fête de la Reine à la fin de l'année scolaire
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
End of school year to the end of Labour Day Weekend / De la fin de l'année scolaire au lundi de la fête du Travail
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
Tuesday after Labour Day to end of October / Du mardi suivant la fête du Travail à la fin octobre
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
November / Novembre
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
Wild Lights (December to beginning of January) / Zoo en lumières (de décembre au début janvier)
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13-18 / 60 et plus, 13 à 18 ans
Ages 4-12 / 4 à 12 ans
Ages 0-3 / 3 ans ou moins
Group Admission (15 people or more) / Entrée de groupe (15 personnes ou plus)
July 1 to Labour Day / Du 1er juillet au lundi de la fête du Travail
Ages 19-59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
Season Memberships / Abonnements de saison
Beginning of April to November 30 / Début avril au 30 novembre
Ages 19–59 / 19 à 59 ans
Ages 60 and over, youth 13–18 / 60 et plus, 13 à 18 ans
Ages 4–12 / 4 à 12 ans
Ages 0–3 / 3 ans ou moins
Additional child 4–12 / Enfant supplémentaire (4 à 12 ans)
Additional parent, grandparent, youth / Personne supplémentaire de 13 ans et plus
Rentals / Location

Toddler cart / Poussette
Wheelchair / Fauteuil roulant

HST included / TVH incluse

2023 Fees / Frais ($)
9
8
6
Free / Gratuit
13
12
10
Free / Gratuit
16
15
13
Free / Gratuit
14
13
11
Free / Gratuit
9
8
6
Free / Gratuit
11
10
8
Free / Gratuit
15
14
12
Free / Gratuit
60
55
50
N/A / S.O.
45
50

2023 Fees / Frais ($)
8
6

MONCTON

SCHEDULE 20 / ANNEXE 20 MAGNETIC HILL ZOO – EDUCATIONAL CAMPS AND BIRTHDAY PARTIES / ZOO DE MAGNETIC HILL – CAMPS ET FÊTES D'ANNIVERSAIRE	
	2023 Fees / Frais ($)
Educational Camps / Camps éducatifs	
Ages 5–7 / De 5 à 7 ans	
5 day week / 5 jours par semaine	210
4 day week / 4 jours par semaine	175
One day camp / Camp d'un jour	40
Home school camp / Camp de l'enseignement à domicile	20
Ages 8–10 / De 8 à 10 ans	
5 day week / 5 jours par semaine	230
4 day week / 4 jours par semaine	195
One day camp / Camp d'un jour	40
Home school camp / Camp de l'enseignement à domicile	20
Ages 11–13 / De 11 à 13 ans	
5 day week / 5 jours par semaine	250
4 day week / 4 jours par semaine	215
Ages 14–17 / De 14 à 17 ans	
5 day week / 5 jours par semaine	260
4 day week / 4 jours par semaine	225
Birthday Parties / Fêtes d'anniversaire	
Without Zoo visit / Sans visite du Zoo	55
With Zoo visit / Avec visite du Zoo	35
Events / Événements	
Behind the scene / Visite en coulisses	55.00
Enrichment Workshops / Ateliers sur l'enrichissement animalier	35.00

HST included / TVH incluse

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.1

Withdrawal from Utility Capital Reserve Fund for 2022 Meter Replacement Program Costs incurred

The Meter Replacement Reserve was established to provide funding for the Meter/Meter Transmission Unit Change-Out Program.

The Operations Committee meeting that was held on December 13, 2013, recommended that City Council allow the Engineering and Environmental Services Department to draw from the Utility Capital Meter Replacement Reserve annual funding for the program for the costs incurred for the Meter/Meter Transmission Unit Change-Out Program via an annual resolution to be approved by Council. The department now responsible for this program is the Utilities Department reporting to the Operation Service area.

For the 2022 year, the total costs incurred for this program and the request to draw from the Utility Capital Reserve Fund is **$190,000**.

Resolution 12.1

Withdrawal from Utility Capital Reserve Fund for 2022 Meter Replacement Program Costs incurred

WHEREAS section 117(7) of the Local Governance Act of New Brunswick confers power on City Council to create a Utility Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the Utility Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approved Meter Replacement Program by way of adopted decisions of Council with costs to date for 2022 totalling **$190,000**

THEREFORE BE IT RESOLVED that the sum of **$190,000** be released from the Utility Capital Reserve Fund covering the costs of the 2022 Meter Replacement Program, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.2

Withdrawal from General Capital Reserve Fund for 2022 Deferred Facility Maintenance

The Deferred Facility Maintenance Reserve was established to provide funding for required maintenance on City of Moncton facilities in existence prior to 2006. The Facilities Department manages the Deferred Maintenance program.

On an annual basis, Council is presented with the plan at the commencement of the year and this withdrawal is required to transfer funds from the reserve to support costs incurred during the year for such Deferred Maintenance.

For the 2022 year, the total costs incurred for this program and the request to draw from the General Capital Reserve Fund is **$679,496.60.**

2022 DEFERRED FACILITY MAINTENANCE

Project	Total for 2022
General Deferred Maintenance	
BLDG02010 Riverfront Trail Building Structural Repairs	$6,726.41
BLDG09006 Brandon FS#4 Kitchen Renovation (Design)	$2,500.00
Building Condition Assessments	$40,000.00
Hazardous Materials Assessments	$2,915.71
	$52,142.12
Architectural Exterior	
BLDG02006 Coliseum Roll Up Door Replacement	$37,334.21
BLDG09003 St George Training Tower Envelope Maintenance	$393,186.46
	$430,520.67
Electrical	
BLDG02011 Market Electrical Repairs	$26,656.30
BLDG09002 St George FS#2 Main Disconnect Replacement	$4,635.73
ZOO Electrical Assessment	$2,033.56
	$33,325.59
Mechanical	
BLDG01001 City Hall Heat Pump Replacement Program (5 yr program)	$61,007.02
BLDG01001 City Hall HVAC Yearly Optimization	$5,959.92
BLDG06001 Operations Centre Valve Replacement	$65,000.00
	$131,966.94
Roof Repairs	
Roof Repairs - various buildings	$26,327.00
BLDG02051 Centennial Rotary Lodge Attic Insulation	$5,214.28
	$31,541.28
TOTAL DEFERRED FACILITY MAINTENANCE 2022	**$679,496.60**

Resolution 12.2

Withdrawal from General Capital Reserve Fund for 2022 Deferred Facility Maintenance

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals from the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approved Deferred Maintenance projects by way of adopted decisions of Council with costs to date for 2022 totalling **$679,496.60.**

THEREFORE BE IT RESOLVED that the sum of **$679,496.60** be released from the General Capital Reserve Fund covering the costs of the Deferred Facility Maintenance projects, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.3

Withdrawal from General Capital Reserve Fund for Avenir Centre Major Maintenance and Rehabilitation Payment

On an annual basis, the City of Moncton deposits an amount of $907,686 to the Capital Reserve fund for the purposes of accumulating funding for making future contributions to the Major Maintenance and Rehabilitation (MMR) payment as outlined in the Operations and Maintenance agreement with ASM Global (SMG Canada) for the Avenir Centre.

In accordance with the Operations and Maintenance agreement, the City shall pay to the Operator, no later than 15 days prior to each Contract Year, the Annual Major Maintenance and Rehabilitation (MMR) Payment, plus applicable HST for that next Contract Year.

The next contract year for the Avenir Centre is year 6 (for the 2023 year) and this payment is owed to the Operator by December 15, 2022, as outlined below.

The City must submit **$395,438.87** to ASM Global for the MMR Payment:

Contract Year	Annual MMR Payment
1	$0.00
2	$105,089.42
3	$129,814.22
4	$109,335.03
5	$135,058.71
6	$395,438.87

Resolution 12.3

Withdrawal from General Capital Reserve Fund for Avenir Centre Major Maintenance and Rehabilitation Payment

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve the Avenir Centre Major Maintenance and Rehabilitation Payment per the operating and maintenance agreement by way of adopted decisions of Council with costs to date totalling **$395,438.87**.

THEREFORE BE IT RESOLVED that the sum of **$395,438.87** be released from the General Capital Reserve Fund, this being the procedures dictated by way of Provincial Legislation.

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE – December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.4

Deposit to General Capital Reserve for Fleet Reserve from sale of fleet equipment.

During the year, City of Moncton staff disposes of retired, obsolete, or excess fleet equipment to public auction. The City receives revenue related to these sales from the auction company. In 2022, total net proceeds from such auction sales were **$152,570.99.**

This Resolution is required as authorization from Moncton City Council for deposit of the net proceeds from such auction sales to be deposited to the General Capital Reserve Fund – Fleet reserve.

Resolution 12.4

Deposit to General Capital Reserve for Fleet Reserve for proceeds from sale of fleet equipment

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that deposits made into the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Treasurer recommends the deposit of **$152,570.99**, be made to the General Capital Reserve Fund consisting of net proceeds from sale of fleet equipment.

THEREFORE BE IT RESOLVED that authorization be granted for a deposit in the amount of **$152,570.99,** into the General Capital Reserve Fund.

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE – December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.5

Withdrawal from General Capital Reserve Fund for 2022 City Fleet Replacement

The City made purchases throughout the year to replace aging fleet as required during the year. The City purchased **$ 1,519,801.76** of new fleet equipment requiring transfer of this amount to cover the costs incurred 2022. These purchases were approved in past years budgets.

A summary of major purchases made in 2022 are as follows:

- 5 Community Safety Officers vehicle
- Snow loader
- Sidewalk spreader
- 5 Crew Cab 4x4
- Cargo Bodies and box
- Various accessories to fleet vehicles

Resolution 12.5

Withdrawal from General Capital Reserve Fund for 2022 City Fleet Replacement

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve City Fleet Purchases by way of adopted decisions of Council with costs to date totalling **$ 1,519,801.76**

THEREFORE BE IT RESOLVED that the sum of **$ 1,519,801.76** be released from the General Capital Reserve Fund covering the costs of the 2022 City Fleet Purchase Costs, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE – December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.6

Deposit to General Operating Reserve Fund for various operational items being deferred (Electric Bus Feasibility Study, Recreation Master Plan Feasibility Study, Municipal Plan Consulting)

The City's 2022 general operating budget included funding for one-time projects that are in the planning stages but have not yet commenced due to multiple factors. These initiatives are important for the City and it is recommended that the funding for these initiative be deposited into a reserve so the projects can be completed in future years. The initiatives are:

Electric Bus Feasibility Study	$ 49,000
Recreation Master Plan Feasibility Study	$ 60,000
Municipal Plan Consulting	$ 25,000
Total	**$ 134,000**

Resolution 12.6

Deposit to General Operating Reserve Fund for various operational items being deferred (City Hall Space Planning, City Facility Waste Management Program, Enterprise Resource Planning Consulting, Procure to Pay Project)

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Operating Reserve Fund; and

WHEREAS the said Act requires that deposits made to the General Operating Reserve Fund be authorized by resolution; and

WHEREAS the City Treasurer recommends a deposit of **$134,000** be made to the General Operating Reserve Fund from the General Operating Fund.

THEREFORE BE IT RESOLVED that authorization be granted for a deposit in the amount of **$134,000**, from the General Operating Fund.

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE – December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.7

Withdrawal from General Operating Reserve Fund for City of Moncton's contribution towards the 2023 IIHF World Junior Championship

On April 4, 2022, Moncton City Council directed administration to draft a letter of intent to be signed by the Mayor, to be sent to Hockey Canada, confirming financial support of $750,000 from the following partners: Destination Moncton-Dieppe, Events Moncton and the City of Moncton to host the 2023 IIHF World Junior Hockey Championships.

Destination Moncton-Dieppe : $100,000

Events Moncton : $ 250,000

City Of Moncton Operating Reserve $400,000

Total: $750,000

This resolution is to withdraw the funds from the City of Moncton Operating Reserve.

Resolution 12.7

Withdrawal from General Operating Reserve Fund for City of Moncton's contribution towards the 2022 IIHF World Junior Championship

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Operating Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Operating Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve a withdrawal by way of adopted decisions of Council with costs to date totalling **$ 400,000**.

THEREFORE BE IT RESOLVED that the sum of **$400,000** be released from the General Operating Reserve Fund covering the costs of the City of Moncton contribution for the 2022 IIHF World Junior Championship, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.8

Deposit to the General Capital Reserve Fund for City of Moncton's funding contribution received in 2022 towards Codiac Transpo's Capital Replacement program

In 2022, the City of Moncton received $3,974,042 from the Province of New Brunswick and Government of Canada in relation to supporting Public Transit and Housing. The funds are intended for use by the City of Moncton to support Public Transit operations and capital infrastructure as well as facets of affordable housing.

At present, while there have been capital purchase commitments made in 2022 for Codiac Transpo in the amount of $809,243, none of the capital assets will be received by the end of 2022. In addition, the remaining amount of the funds will be targeted towards future requirement for the municipal share in the acquisition of electric bus fleet and the infrastructure required to operate an electric bus fleet.

As such, Administration is recommending that the amount of $3,974,042 be deposited into the Codiac Fleet reserve for use in acquisition of the assets ordered in 2022 when installed in 2023 and for future requirements based on results of the on-going electrification study and results recommended therefrom.

Resolution 12.8

Deposit to the General Capital Reserve Fund for City of Moncton's funding contribution received in 2022 towards Codiac Transpo's Bus Fleet Replacement program

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that deposits made to the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve a deposit by way of adopted decisions of Council with amounts received to date totalling **$3,974,042**.

THEREFORE BE IT RESOLVED that the sum of **$3,974,042** be deposited to the General Capital Reserve Fund, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.9

Withdrawal from General Capital Reserve for City Hall Roof

As part of the 2022 Capital Works Program, a section of the City Hall Roof was planned to be replaced in 2022. The roofing work was commenced in September 2022 and will be completed by December 31, 2022.

The total cost of the replacement of the roof section amounts to $108,253.56 and as such, Administration is recommending that this amount be withdrawn from the Capital Reserve Fund- Life Cycle Replacement City Hall.

Background Information for Resolution # 12.9

Withdrawal from General Capital Reserve for City Hall Roof

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve a withdrawal by way of adopted decisions of Council with amounts paid to date totalling **$108,253.56**.

THEREFORE BE IT RESOLVED that the sum of **$108,253.56** be released from the General Capital Reserve Fund, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.10

Withdrawal from General Capital Reserve for Bore Park Slope Protection

As part of the 2022 Capital Works Program, slope protection of the Petitcodiac River edge near Bore Park was budgeted at an estimated cost of $870,000 which included funding from available capital authority of $ 605,000 and Capital Reserves in the amount of $270,000.

The required work has been completed in 2022 for a total cost of $778,940.99. The City also received funding from Fundy Trails in the amount of $112,500 towards payment for the project.

With the utilization of the available capital authority of $605,000 and the funding received of $112,500, an amount of $ 61,440.99 is required to be withdrawn from Capital Reserves.

Background Information for Resolution # 12.10

Withdrawal from General Capital Reserve for Bore Park Slope Protection

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve a withdrawal by way of adopted decisions of Council with amounts paid to date totalling **$61,440.99**.

THEREFORE BE IT RESOLVED that the sum of **$61,440.99** be released from the General Capital Reserve Fund, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.11

Withdrawal from General Operating Reserve for Police Study

On July 18, 2022, Moncton City Council approved the award of a “Public Safety Policing Services Study” to identify the requirements for a modern, sustainable policing service over a ten (10) to fifteen (15) year horizon. The awarded study is expected to cost $240,952 and is to be completed in early 2023. The study had not been included as part of the 2022 Operating Budget and as such, Council agreed to fund the cost of the study from operating reserves.

To the end of December 2022, an amount of $ 160,510 is expected to be spent (with the remaining amount to be spent in 2023) and as such, Administration is recommending the amount of $160,510 to be withdrawn from the General Operating Reserves to fund the costs incurred to date in 2022.

Background Information for Resolution # 12.11

Withdrawal from General Operating Reserve for Police Study

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Operating Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Operating Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve a withdrawal by way of adopted decisions of Council with amounts paid to date totalling **$160,510**

THEREFORE BE IT RESOLVED that the sum of **$160,510** be released from the General Operating Reserve Fund, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.

BRIEFING NOTE - December 6, 2021 Public Council Meeting

Background Information for Resolution # 12.12

Withdrawal from General Capital Reserve for 2nd installment for the Rising Tide initiative

City Council approved in 2021 to provide funding total funding to Rising Tide of $6 million which was to be disbursed in three installments of $2 million over a three-year period.

This resolution is required as authorization from Moncton City Council for the 2nd installment to be withdrawn from the capital reserve. The second installment has already been paid to Rising Tide through its available cashflow and now the City needs to withdraw the $2 million from the Reserve to replenish its cashflow.

Resolution 12.12

Withdrawal from General Capital Reserve

RESOLUTION

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Capital Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Capital Reserve Fund be authorized by resolution; and

WHEREAS the City Treasurer recommends the withdrawal of **$2,000,000**, be made from the General Capital Reserve Fund.

THEREFORE BE IT RESOLVED that the sum of **$2,000,000** be released from the General Operating Reserve Fund, this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022

BRIEFING NOTE - December 5, 2022 Public Council Meeting

Background Information for Resolution # 12.13

Withdrawal from General Operating Reserve Fund for the Urban Growth Strategy Study

The City's 2020 general operating budget included funding for one-time projects that were not commenced due to COVID-19 and other corporate priorities. These initiatives are important for the city and it was recommended at that time that the budget for this initiative be deposited into a reserve so the projects can be completed in future years.

In 2022, **$65,000** of the Urban Growth Strategy Study was funds spend and we are requesting to withdrawal these funds from the general operating reserve.

Resolution 12.13

Withdrawal from General Operating Reserve Fund for the Urban Growth Strategy Study

RESOLUTION

WHEREAS section 101 of the Local Governance Act of New Brunswick confers power on City Council to create a General Operating Reserve Fund; and

WHEREAS the said Act requires that withdrawals made from the General Operating Reserve Fund be authorized by resolution; and

WHEREAS the City Council approve a withdrawal by way of adopted decisions of Council with costs to date totalling **$ 65,000**.

THEREFORE BE IT RESOLVED that the sum of **$65,000** be released from the General Operating Reserve Fund this being the procedures dictated by way of Provincial Legislation

MOVED by Councillor _____ ; and

SECONDED by Councillor _____

This 5th day of December 2022.