

Municipality of Brockton
Site Plan Agreement
(Outside of the East Ridge Business Park)

This Agreement made this 12th day of May, 2020 and referred to as the
"Site Plan Agreement"

BETWEEN:

hereinafter referred to as the "Owner"

-and-

The Corporation of the Municipality of Brockton
hereinafter referred to as the "Corporation"

-and-

hereinafter referred to as the "Mortgagee"

WHEREAS the Owner represents and warrants that he is or will be the Owner of the lands described in Schedule "A" attached hereto (hereinafter called the "subject lands") which are affected by this Agreement;

AND WHEREAS in this Agreement "Owner" includes any subsequent Owner of the aforementioned subject lands;

AND WHEREAS the Corporation has enacted a Site Plan Control By-Law pursuant to the provision of Section 41, of the Planning Act RSO, 1990, as amended and the Corporation requires that all Owners of new structures including Garden Suites or additions to existing structures to be erected within the Municipality of Brockton, save and except single family residential and agricultural structures, be required to enter into a Site Plan Agreement with the Corporation that shall specify the details of the development;

AND WHEREAS the Owner wishes to undertake a development on the said lands in accordance with a Site Plan attached as Schedule "B" hereto, hereinafter called the "Approved Site Plan";

AND WHEREAS subsection (7) of the said Section 41 authorizes the Corporation to require the Owner of the subject lands to enter into an Agreement with the Corporation;

AND WHEREAS the covenants in this Agreement are binding upon the Owner and when registered on title are binding upon all successor's on title;

AND WHEREAS the Corporation is of the opinion that it would not be proper or in the public interest to permit development of the subject lands unless assurances are given by the Owner that matters referred to in this Agreement are carried out in the manner hereinafter set forth;

NOW THEREFORE THIS AGREEMENT WITNESSETH of lawful money of Canada now paid by the Owner to the Corporation, the receipt whereof is hereby acknowledged, the Owner covenants and agrees with the Corporation as follows:

1. INTRODUCTION

- 1.1. The Owner agrees to enter into a Site Plan Agreement with the Corporation, for the development of all buildings and structures located on the subject lands.
- 1.2. The Owner agrees to allow the Corporation **at the Owner's expense** to register or deposit this Agreement in the Registry Office for the County of Bruce against the subject lands.
- 1.3. Nothing in this Agreement shall relieve the Owner from complying with any other applicable Municipal requirements or by-laws.
- 1.4. The Owner hereby grants to the Corporation, its servants, agents and contractors, a license to enter the subject lands for the purposes of inspection of the works on the subject lands or for any purpose pursuant to the rights of the Corporation under this Agreement.

2. SITE DEVELOPMENT

- 2.1 The Owner agrees to undertake development on the subject lands, at his sole expense, in conformity with the Approved Site Plan as detailed in Schedule "B" attached hereto.
- 2.2 If the Owner fails to obtain a building permit within one (1) year of signing this Agreement then the Agreement is automatically terminated and the approval granted to the site plans is rescinded.
- 2.3 If the Owner has taken out a building permit but has not completed construction within two (2) years of the date of the permit, this Agreement is automatically terminated and the approval granted to the site plans is rescinded.
- 2.4 The Owner agrees to restore the municipal streets, to current standards, which have been disturbed or damaged during the course of construction, to the satisfaction of the Corporation.
- 2.5 The signing of any Agreement of Purchase and Sale of the subject lands or the transfer of ownership of the subject lands or the shares of the Owner prior to the completion of a Final Inspection will result in the cancellation of the Site Development Agreement save and except of the Performance Deposit which the Owner agrees to forfeit immediately to the Corporation.

3. LANDSCAPING

- 3.1 The Owner shall, at his own expense, install landscaping as indicated on the Approved Site Plan, within one (1) year of completion of the buildings.
- 3.2 The Owner agrees to erect all fences that are illustrated on the Approved Site Plan within one (1) year of the completion of the buildings.

4. OUTSIDE STORAGE

- 4.1 The Owner agrees that any outside storage is located within prescribed areas and screened from public view as shown on the Approved Site Plan. If and when outside storage is placed in locations beyond the approved locations, the Owner shall be considered to be in breach of this agreement and subject to penalties as prescribed in the Planning Act.

5. REFUSE STORAGE

- 5.1 The Owner agrees to arrange a private contractor for the collection of refuse and recycling for each unit within the development.

6. LOADING, PARKING AND DRIVEWAYS

- 6.1 The Owner agrees that any internal driveways which are necessary for and designated as a fire route shall be designed so as to carry the weight of the Corporation's fire fighting equipment.
- 6.2 The Owner agrees that the surface treatment of any and all loading, parking area and driveways shall be constructed as set out on the Approved Site Plan and shall be surfaced with asphalt or cement and all parking stalls shall be visually identified by line painting.
- 6.3 The Owner agrees that any areas to be used for parking of motor vehicles shall comply with the parking requirements as contained in the Corporation's current Comprehensive Zoning By-Law.
- 6.4 The Owner shall be required to provide disabled parking as per any Corporation By-Law in place relating thereto and any requirements as applies to the Highway Traffic Act.

7. SEWERS

- 7.1 The Owner shall connect any required storm and sanitary sewers services, as shown on the Approved Site Plan, to the municipal sewers. Said connections to be **at the expense of the Owner**, subject to the required fees.

- 7.2 If sanitary or storm sewer mains do not exist in the area of the development or are not easily accessible, then the Owner will be required to cover the cost of extending existing sewer mains to the subject lands **at the Owner's expense**. This aforementioned work must be completed prior to a building permit being issued by the Corporation for any development on the subject lands. The Owner will pay the Corporation annual sewer rates.
- 7.3 Disposal of waste water shall be in compliance with the requirements of the Ministry of the Environment and the Corporation's current Sewer Use By-Law existing at the time.

8. WATER

- 8.1 If water mains do not exist in the area of the development or are not easily accessible, then the Owner will be required to cover the cost of extending existing water mains to the subject lands **at the Owner's expense**. This aforementioned work must be completed prior to a building permit being issued by the Corporation for any development on the subject lands. The Owner agrees to be responsible for water rates.
- 8.2 The Owner shall **at their expense** connect to the existing watermain. The location of this connection shall be as shown on the Approved Site Plan, said connection to be **at the expense of the Owner**, subject to any required fees.
- 8.3 The parties hereto acknowledge that it is not the present intention of the Corporation to turn off the water at the watermain with respect to any existing private water service connections not utilized by the Owner; **PROVIDED** however that the Corporation reserves the right at any time to turn off the water **at the cost of the Owner**. In the meantime, the Owner for and on behalf of themselves and their heirs, executors, administrators, and assigns and their respective servants, workmen and agents, covenant and agree with the Corporation that they will not cause any damage directly or indirectly to any such unused watermain private service connections, including valve boxes and existing fire hydrants located on the subject lands of the Owner and in the event of any damage so caused by them or any of them, the **Owner shall bear the cost** of any repairs and/or replacements required by reason of such damage.

9. HYDRO

- 9.1 The Owner shall contact Westario Power Holdings Inc. for purposes of finalizing any arrangement with regard to hydro services for the subject lands. The Owner shall be responsible for providing verification, in writing, to the Corporation from Westario Power Holdings Inc. that it has arranged for adequate and appropriate hydro services **at the Owner's expense** for the subject lands. The issuance of a building permit for the development shall be conditional upon this aforementioned verification.

10. DRAINAGE

- 10.1 The Owner agrees that surface and roof drainage systems shall be designed and constructed to the satisfaction of the Corporation and as shown on the Approved Site Plan. Water shall not be directed onto any adjoining properties without the express approval of the so affected property owner within a registered drainage easement.
- 10.2 If required by the Corporation, the Owner agrees to submit a Storm Water Management Plan, prepared by a professional engineer, with the Site Plan, illustrating how stormwater will be detained on the site and discharged to the municipal drainage system at a rate no higher than the pre-development flows.

11. SIGNS

- 11.1 The Owner shall indicate the location and size of any and all proposed signs on the Approved Site Plan. It is recognized that the content of the sign may change as building occupancy changes.

12. LIGHTING

- 12.1 The Owner agrees that all lighting shall be constructed as shown on the Approved Site Plan and shall be oriented and its intensity so controlled to prevent a glare on adjacent roadways and properties. All parking lot lighting shall also comply with the Corporation's Dark Sky resolution.

13. MUNICIPAL EASEMENTS

- 13.1 The Owner, shall at his/her own expense cause to be prepared, granted and registered the following easements:
- a) The easements as outline in the “Crawford Street Development Agreement”
 - b) Such other easements as may reasonably requested by the Corporation for future municipal purposes, provided that the Corporation will pay the cost of surveying and preparing any easement agreements so requested.

14. MAINTENANCE

- 14.1 The Owner shall:
- a) Complete the works and other facilities required on the Approved Site Plan and this Agreement at its expense and to the satisfaction of the Corporation;
 - b) Maintain those works and facilities located on the subject lands to the satisfaction of the Corporation at the sole risk and expense of the Owner; and
 - c) At all times in the future, remove snow and ice from access ramps and driveways, parking areas, loading areas and walkways located on the subject lands.
- 14.2 Without limiting the generality of paragraph 14.1 (b), the Owner shall:
- a) Maintain all hedges, trees, shrubs, and other ground cover in a healthy state;
 - b) Keep any works and facilities shown on the plan with respect to landscaping in good repair; and
 - c) Refrain from doing anything that will have a detrimental effect on adjoining properties.
- 14.3 With respect to paragraph 14.1 (c), the Corporation acknowledges that it is impossible for the Owner to completely remove all snow and ice. The intention of paragraph 14.1 (c) is to protect people and property and to give easy access to and from the subject lands. The Owner is required to remove such snow and ice, do such salting and sanding, and do such other reasonable winter maintenance as is required from time to time to give such protection and access.

15. SITE PLAN INSPECTION AND OCCUPANCY

- 15.1 The owner agrees that prior to occupancy of the building(s), he/she shall request a Site Plan Inspection conducted by the municipality. An agent or employee of the municipality shall inspect the site and note any deficiency associated with the project that requires remedy prior to occupancy. The municipality may permit occupancy if it is satisfied that the owner demonstrates their intention to complete and repair any deficiencies identified in the Site Plan Inspection report. All deficiencies shall be remedied prior to the refund of the Performance Deposit. Deficiencies shall be considered to be a breach of this agreement.
- 15.2 The owner agrees that prior to occupancy of the building(s) all services and roadworks being constructed under the “Crawford Street Development Agreement between 2369906 Ontario Ltd and the Municipality of Brockton” shall have been inspected by the Municipality and its Engineer and shall have received final acceptance by the Municipality per the terms of that agreement.

16. INDEMNITY

- 16.1 The Owner will at all times indemnify and save harmless the Corporation of and from all losses, costs and damages which the Corporation may suffer or be put to, for or by reason of, or on account of, the construction, maintenance or existence of pavements, curbs, plantings, and other improvements upon the road allowances where the same are required by this Agreement to be provided at the expense of the Owner and such indemnity shall constitute a first lien and charge upon the subject lands, and shall be added to the assessment roll as unpaid taxes and may be collected in a similar manner as unpaid Municipal taxes.
- 16.2 This Agreement and the provisions hereof do not give to the Owner or any person acquiring an interest in said lands (each hereinafter in this paragraph called “such persons”) any rights against the Corporation with respect to the failure of any such person to perform or fully perform any obligation under this Agreement, or the failure of

the Corporation to force any such person to perform or fully perform any such obligations under this Agreement or the negligence of any such person in the performance of the said obligation. All facilities and matters required by this Agreement shall be provided by the Owner to the satisfaction of and at no expense to the Corporation, and shall be maintained to the satisfaction of the Corporation at the sole risk and expense of the Owner, and in default thereof and without limiting other remedies to the Corporation the provisions of Section 446 the Municipal Act 2001, as amended, shall apply.

- 16.3 If any matter or thing required to be done by this Agreement is not done in accordance with the provisions of this Agreement and such default continues, in addition to other remedies available to it, the Corporation may direct that such matter or thing shall be done at the expense of the Owner, and the Corporation may recover at the expense incurred in doing it by action, the Owner hereby authorizes the Corporation to enter upon the said subject lands and do such matter or things.

17. SEVERABILITY

- 17.1 The clauses of this Agreement shall be deemed independent and the striking down or invalidity of any one or more of the clauses does not invalidate this Agreement or the remaining clauses.

18. PERFORMANCE DEPOSIT

- 18.1 Prior to obtaining a Building Permit, the Owner agrees to provide the Corporation with a Performance Deposit in the amount of \$20,000.00. The purpose of this security is to:
- a) Ensure that the Owner constructs the project in compliance with the approved Site Plan;
 - b) Ensure the provision of all matters and facilities required pursuant to this Agreement
 - c) Ensure other applicable municipal requirements shall be met within the prescribed period of time;
 - d) To be used to cover the costs of any damage to municipal property during the course of construction.
- 18.2 The Performance Deposit shall be determined by the Corporation based upon a formula of 1% of the value of the project's construction (including land). The minimum Performance Deposit shall be \$3,000 and the maximum Performance Deposit shall be \$20,000. The Performance Deposit shall be in the form of cash, Certified Cheque, or by Irrevocable Letter of Credit.
- 18.3 The Performance Deposit shall be refunded to the Owner without interest upon satisfaction of the Final Site Plan Inspection. Upon non-completion within the time period set out in this Agreement, the Owner herein irrevocably agrees the security shall be forfeited absolutely to the Corporation as liquidated damages and not as penalty.

19. ADDITIONAL PERMITS

- 19.1 The Owner acknowledges that the Corporation by approving the Site Plans, and entering into this Agreement, does not relieve the Owner from the requirements of obtaining any permit or license that may be required by the Corporation, the County of Bruce or any other agency, including any provincially appointed regulatory body or Ministry, before the proposed development can proceed.

20. TERMINATION OF AGREEMENT

- 20.1 If this Agreement is automatically terminated, the Corporation is deemed to have withdrawn its consent to the proposed development and A Stop Work Order may be issued until the Owner has entered into a further Site Plan Agreement. No liability or other duty required of the Corporation under this Agreement shall be imposed on the Corporation should this Agreement be terminated. The Corporation is under no obligation to return any money paid under this Agreement.
- 20.2 Notwithstanding anything contained herein to the contrary, and subject to approval by the Corporation, if the Owner is delayed in substantially completing the construction of any work or facility required by this Agreement by any act beyond the Owner's reasonable control, the time for completion shall be extended by a period of time equal to such delay.

21. ESTOPPEL

21.1 The Owner further covenants and agrees that it will not call into question directly or indirectly in any proceeding whatsoever in law or in equity or before any administrative tribunal, the right of the Corporation to enter into this Agreement and to enforce each and every term, covenant and condition herein contained, and this paragraph may be pleaded as an estoppel against the Owner in any such proceeding.

22. MORTGAGEE'S COVENANTS

22.1 The Mortgagee hereby postpones its interest as Mortgagee under a mortgage registered on the _____ day of _____, _____ as Number _____ to the terms of this Agreement.

22.2 The Mortgagee shall not be required, in its capacity as mortgagee:

- a) To install any works and services that have not been installed by the Owner;
- b) To complete the installation of any works and services that the Owner has started to install, but not completed, or
- c) To correct any deficiencies in works and services improperly installed by the Owner.

23. NOTICES

23.1 Any notices required or permitted to be given under this Agreement shall be in writing and may be served either personally or by mailing such notice by registered mail postage prepaid or if the postal service has been disrupted for any reason, by delivering such notice by a prepaid courier service as follows:

The Corporation of the Municipality of Brockton
c/o Clerk
100 Scott Street
P.O. Box 68
WALKERTON, Ontario
NOG 2V0

The Owner
2369906 Ontario Ltd
10 Spitzig Avenue
Walkerton, ON
NOG 2V0

23.2 If any notice is mailed by registered mail, postage prepaid or sent by prepaid courier service as aforesaid, it shall be deemed to have been received by the party to whom it was mailed or sent on the second day following the day upon which it was received by one of Her Majesty's post offices or delivered to the courier service unless the second day ends on a Saturday, Sunday or legal holiday, in which case those days are not included in computing the two day period. Either party may, by notice to the other, designate another address in Canada to which notices mailed or delivered more than ten (10) days thereafter shall be addressed.

24. AGREEMENT RUNS WITH LAND

24.1 This Agreement shall inure to the benefit of the Corporation, its successors and assigns. The benefits and the burden of the covenants, agreements, conditions and undertakings herein contained shall run with the land and are binding upon the land and upon the Owner and its successors and assigns.

This Agreement is also binding upon the Mortgagee and its respective heirs, executors, administrators, successors and assigns.

25. MUNICIPAL EXPENSES

25.1 The Owner shall pay to the Corporation a fee of \$114.00 plus the costs for all outside technical, professional and legal advice that the Corporation has incurred in order to approve the development covered by this agreement. External professional costs shall be paid in accordance with the "Crawford Street Development Agreement" from a deposit which will be maintained for the duration of the agreement or until final acceptance of the works by the Municipality. These expenses do not include internal administrative or technical services rendered by full time municipal staff.

25.2 The Owner agrees to pay to the Corporation by cash or Certified Cheque, a contribution for the Corporation's municipal administrative services in the sum of \$1.08 per square metre (10 cents per square foot) based upon the building's foot print for all residential, commercial and industrial developments. This fee will only be charged on the proposed

building(s). Staged development will be charged the necessary fees, once future development begins.

The total contribution for this development, based on 23,328 square feet will be \$2332.80 and shall be payable on execution of this Agreement and before the issuance of a building permit

26. GENDER AND NUMBER

26.1 In this Agreement, words importing the singular number include the plural and vice versa and words importing the masculine gender include the feminine and neuter genders.

Signed, Sealed and Delivered
In the Presence

Witness: _____

Owner

Date: _____

Per: _____

The Corporation of the Municipality of Brockton

Per: _____
Chris Peabody – Mayor

Per: _____
Fiona Hamilton – Clerk

We have authority to bind the Corporation

Mortgage

Date:

Per: _____

Schedule A to Site Plan Agreement

Subject Lands

DESCRIPTION OF LANDS BEING DEVELOPED

LT 13 PL 96 (SUBDIVISION OF LT N PL 88); PT LT 12 PL 96 (SUBDIVISION OF LT N PL 88) AS IN R306325; BROCKTON, known municipally as 9 Crawford Street, Walkerton and bearing parcel identifier number 33199-0041 (LT) and LT 14 PL 96 (SUBDIVISION OF LT N PL 88); LT 15 PL 96 (SUBDIVISION OF LT N PL 88); LT 16 PL 96 (SUBDIVISION OF LT N PL 88); LT 17 PL 96, bearing parcel identifier number 33199-0040.

Schedule B to Site Plan Agreement

Approved Plans

The following plans and drawings form part of this Site Plan Agreement and are on file at the Clerk's Office for the Municipality of Brockton.

Site Plan Drawings

02003-C1	Crawford Street
02002-SS1	Site Servicing Plan
02003-SG1	Site Grading Plan
02003-DET2	Engineering Standards, Misc Details & Typical Cross Sections
02003-DET2	Miscellaneous Details

CAUTION:
THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

CRAWFORD STREET TOWNHOUSES

MUNICIPALITY OF BROCKTON

MAYOR : MR. CHRIS PEABODY
 CHIEF ADMINISTRATIVE OFFICER/ CLERK : MS. SONYA WATSON
 DIRECTOR OF OPERATIONS : MR. GREGORY FURTNEY

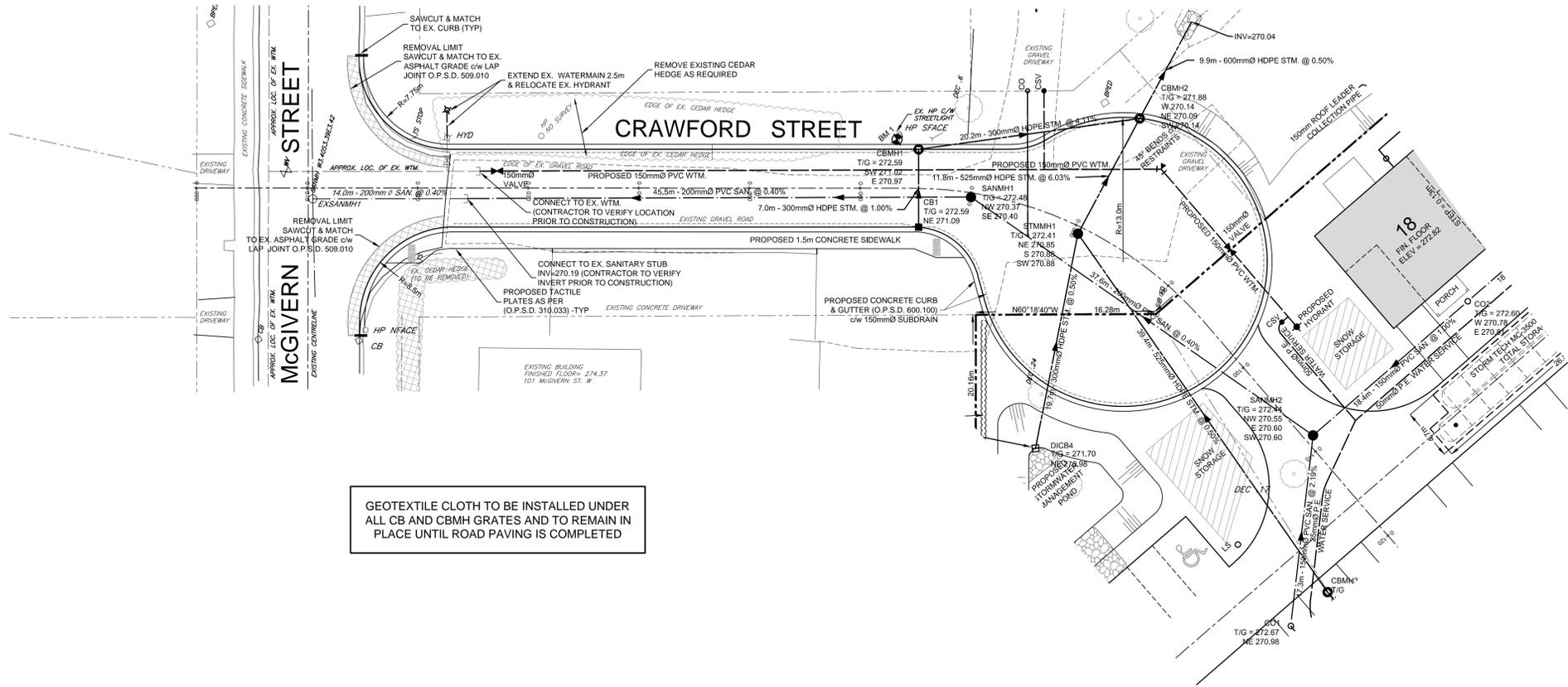
OWNER :
 2369906 Ontario Ltd.

index

SHEET No.	DESCRIPTION
02003-C1	CRAWFORD STREET STA. 0+000 TO STA. 0+120
02003-SS1	SITE SERVICING PLAN
02003-SG1	SITE GRADING PLAN
02003-DET2	ENGINEERING STANDARDS, MISCELLANEOUS DETAILS & TYPICAL CROSS-SECTIONS
02003-DET2	MISCELLANEOUS DETAILS



3	MAY 08/20	SECOND SUBMISSION	SJC	TLB
2	MAR 23/20	REVISED PRELIMINARY SUBMISSION	SJC	TLB
1	MAR 19/20	PRELIMINARY SUBMISSION	SJC	TLB
No.	DATE	DESCRIPTION	BY	APPD
REVISION / ISSUE				
<small>Seal not valid unless signed and dated</small>				
 517 - 10th STREET, Hanover, Ontario N4N 1R4 Telephone: (519) 506-5959 www.cobideeng.com				
PROPOSED TOWNHOUSES TOWN OF WALKERTON MUNICIPALITY OF BROCKTON TITLE SHEET				
Client: 2369906 Ontario Ltd.				
Design:	TLB	Scale:		
Drawn:	JAF - BCD	Approved:		
Checked:	SJC			
Date:	NOV 2019	Design Engineer		
DRAWING No.				02003-TS



LEGEND

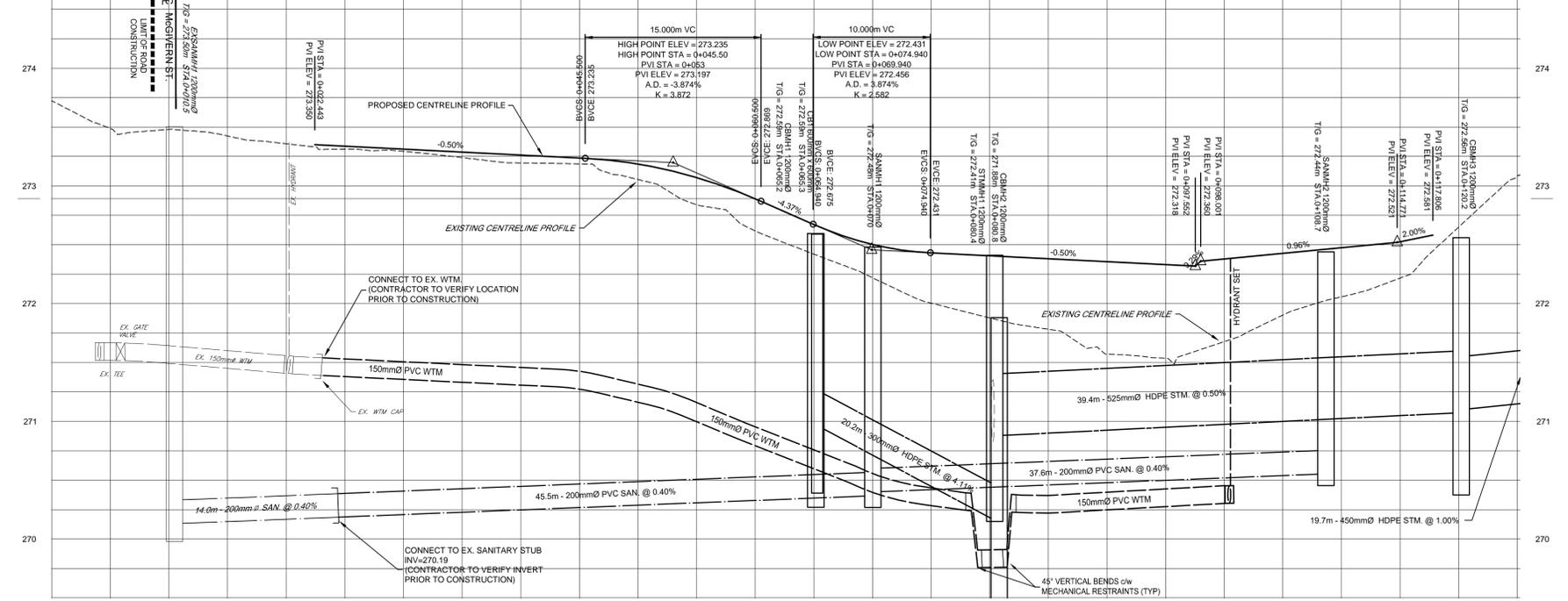
- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STREET/PROPERTY LINES
- EDGE OF EXISTING PAVEMENT
- EDGE OF EXISTING GRAVEL
- EXISTING DITCH AND DIRECTION OF FLOW
- EXISTING FENCE
- EXISTING TREE LINE
- EXISTING HYDRO GUY WIRE
- EXISTING TELEPHONE PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- STANDARD IRON BAR
- IRON BAR
- EXISTING DECIDUOUS TREE AND DIAMETER
- EXISTING CONIFEROUS TREE AND DIAMETER
- BENCHMARK
- REMOVAL
- PROPOSED ELEVATION
- EXISTING ELEVATION
- EXISTING CONTOUR
- PROPOSED LIGHT STANDARD

- CAUTION:**
THE POSITION OF POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM HIMSELF OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.
- Notes**
- PROPERTY BOUNDARIES DERIVED FROM INFORMATION ON A PLAN OF SURVEY BY R. F. DORE SURVEYING LTD DATED NOVEMBER 6, 2019.
 - TOPOGRAPHICAL INFORMATION DERIVED FROM FIELD SURVEY BY COBIDE ENGINEERING INC. COMPLETED ON APRIL 15, 2019.
 - ALL ORGANIC MATERIAL WITHIN 1.2m OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 - COVER OVER WATERMAIN 1.8m MINIMUM AT ALL POINTS INCLUDING WATER SERVICES.
 - ALL WATER SERVICES TO BE 25mmØ P.E.
 - SANITARY SEWER TO BE PVC SDR 35
 - ALL STORM CATCHBASINS TO HAVE A MINIMUM HYDRAULIC OF 600mm.
 - ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
 - ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 - THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 - ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF BROCKTON ENGINEERING STANDARDS.

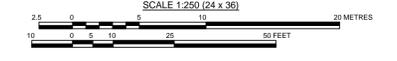
GEOTEXTILE CLOTH TO BE INSTALLED UNDER ALL CB AND CBMH GRATES AND TO REMAIN IN PLACE UNTIL ROAD PAVING IS COMPLETED



Proposed Existing Street Centreline Elevation	Existing Street Centreline Elevation
272.69	272.69
272.68	272.68
272.53	272.53
272.48	272.48
272.43	272.43
272.38	272.38
272.33	272.33
272.28	272.28
272.23	272.23
272.18	272.18
272.13	272.13
272.08	272.08
272.03	272.03
271.98	271.98
271.93	271.93
271.88	271.88
271.83	271.83
271.78	271.78
271.73	271.73
271.68	271.68
271.63	271.63
271.58	271.58
271.53	271.53
271.48	271.48
271.43	271.43
271.38	271.38
271.33	271.33
271.28	271.28
271.23	271.23
271.18	271.18
271.13	271.13
271.08	271.08
271.03	271.03
270.98	270.98
270.93	270.93
270.88	270.88
270.83	270.83
270.78	270.78
270.73	270.73
270.68	270.68
270.63	270.63
270.58	270.58
270.53	270.53
270.48	270.48
270.43	270.43
270.38	270.38
270.33	270.33
270.28	270.28
270.23	270.23
270.18	270.18
270.13	270.13
270.08	270.08
270.03	270.03
270.00	270.00



Station	Storm Invert	Sanitary Invert
0+000		
0+010		EXISTING SANITARY ST. STA 0+010.0
0+020		
0+030		
0+040		
0+050		
0+060		
0+070		
0+080		
0+090		
0+100		
0+110		
0+120		



Benchmark Information

BM1 SPIKE IN WEST FACE OF HYDRO POLE ON THE NORTH SIDE OF CRAWFORD STREET, BEFORE THE PROPOSED CUL DE SAC. ELEVATION: 272.87m

No.	DATE	DESCRIPTION	BY	APPD
3	MAY 08/20	SECOND SUBMISSION	SJC	TLB
2	MAR 23/20	REVISED PRELIMINARY SUBMISSION	SJC	TLB
1	MAR 19/20	PRELIMINARY SUBMISSION	SJC	TLB

Seal not valid unless signed and dated

517 10th STREET, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5599
www.cobideeng.com

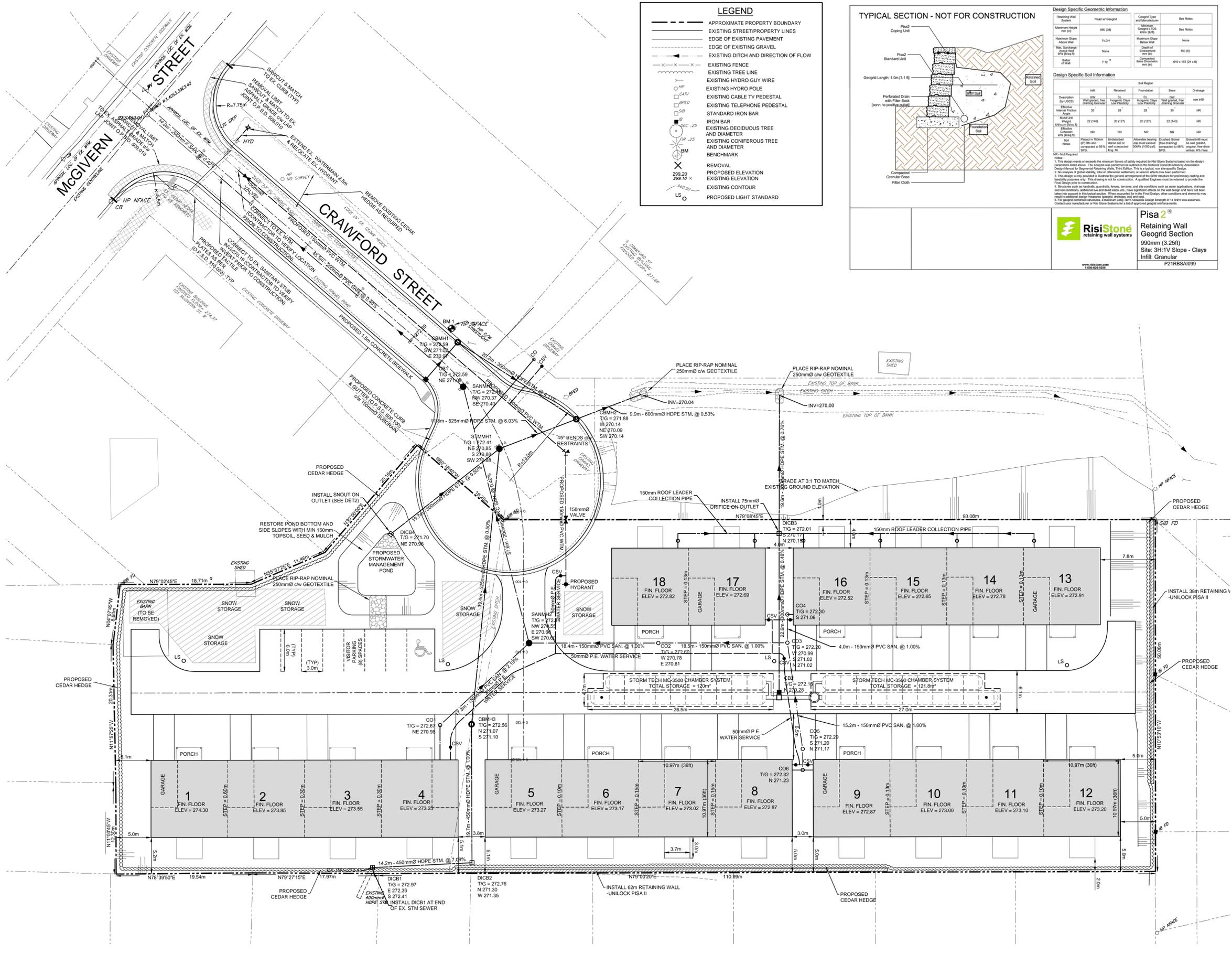
**TOWN OF WALKERTON
MUNICIPALITY OF BROCKTON
CRAWFORD STREET
PLAN & PROFILE STA 0+000 TO STA. 0+120**

Client: 2369906 Ontario Ltd.

Design: TLB Scale: H 1:250 V 1:25
Drawn: JAF - BCD Approved:
Checked: SJC
Date: NOV 2019 Design Engineer

DRAWING No. 02003-C-1

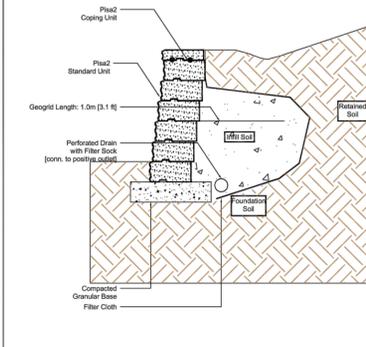
H:\Site\02003 - Crawford Street Townhouses - Wobleron\Drawings\Submissions\2020-05-08 Second Submission\02003 Base 2020-05-06.dwg - May 08, 2020 - 12:43pm



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STREET/PROPERTY LINES
- EDGE OF EXISTING PAVEMENT
- EDGE OF EXISTING GRAVEL
- EXISTING DITCH AND DIRECTION OF FLOW
- EXISTING FENCE
- EXISTING TREE LINE
- EXISTING HYDRO GUY WIRE
- EXISTING CABLE TV PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- STANDARD IRON BAR
- IRON BAR
- EXISTING DECIDUOUS TREE AND DIAMETER
- EXISTING CONIFEROUS TREE AND DIAMETER
- BENCHMARK
- REMOVAL
- PROPOSED ELEVATION
- EXISTING CONTOUR
- PROPOSED LIGHT STANDARD

TYPICAL SECTION - NOT FOR CONSTRUCTION



Design Specific Geometric Information

Retaining Wall System	Place or Geogrid	Geogrid Type and Manufacturer	See Notes
Maximum Height	900 (24)	Geogrid L125	See Notes
Maximum Slope	1V:3H	Maximum Slope	None
Max. Surcharge	None	Depth of Embedment	100 (30)
Min. Soil	7.12 *	Base Dimension	610 x 103 (24 x 4)

Design Specific Soil Information

Soil Region	Soil	Change
Foundation	CL	See Note
Fill	GM	See Note
Backfill	GM	See Note
Surcharge	GM	See Note
Minimum	22 (140)	20 (127)
Maximum	22 (140)	22 (140)
Effective	NR	NR
Soil Notes	Placed at 150mm (6") max. spacing compared to 90% (95%)	Drifted Gravel (see note) compared to 95% (95%)

Notes:

- This design meets or exceeds the minimum factors of safety required for Retaining Walls based on the design parameters listed above. The analysis was performed as outlined in the National Concrete Masonry Association Design Manual for Segmental Retaining Walls, Third Edition. This is an alternative design.
- No analysis of global stability, soil or structural settlement, or seismic effects has been performed.
- This design is only provided to illustrate the general arrangement of the retaining wall and does not constitute a final design. A qualified Engineer must be retained to provide the final design prior to construction.
- Structures such as foundations, girders, fences, terraces, and other conditions such as water applications, drainage and soil conditions, additional live and dead loads, etc. have significant effect on the wall design and have not been taken into additional design reviews (weight, drainage, and soil). Design, other conditions and elements may vary. For geogrid reinforced structures, it is recommended to use a minimum design weight of 14 kN/m² was assumed. Contact your manufacturer or Ret Stone Systems for a list of approved geogrid reinforcements.

- CAUTION:**
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- Notes**
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 - TOPOGRAPHICAL INFORMATION DERIVED FROM FIELD SURVEY BY COBIDE ENGINEERING INC. COMPLETED ON APRIL 15, 2019.
 - ALL ORGANIC MATERIAL WITHIN 1.2M OF FINISHED PROFILE GRADE TO BE REMOVED FROM ALL AREAS UNDER THE TRAVELLED PORTION OF THE ROAD.
 - COVER OVER WATERMAIN 1.8m MINIMUM AT ALL POINTS INCLUDING WATER SERVICES.
 - ALL WATER SERVICES TO BE 25mmØ P.E.
 - SANITARY SEWER TO BE PVC SDR 35
 - ALL HYDRANT SETS REQUIRE TEST POINT AND HYDRANT MARKER.
 - ALL JOINTS OF SANITARY MANHOLES TO BE CAULKED WITH MIN. 15mm BEAD, INSTALLED ON THE TOP OF JOINT OF EACH SECTION PRIOR TO ABOVE SECTION BEING INSTALLED. CAULKING TO BE SIKAFLEX 1A OR APPROVED EQUIVALENT.
 - THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL STAMPED ISSUED FOR CONSTRUCTION.
 - ALL CONSTRUCTION TO BE COMPLETED TO MUNICIPALITY OF BROCKTON ENGINEERING STANDARDS.

RisiStone
Retaining Wall Geogrid Section
900mm (3.25ft)
Site: 3H:1V Slope - Clays
Infill: Granular
P21RBSA099

Benchmark Information

BM1 SPIKE IN WEST FACE OF HYDRO POLE ON THE NORTH SIDE OF CRAWFORD ST., BEFORE THE PROPOSED CUL DE SAC. ELEVATION 272.87m

No.	DATE	DESCRIPTION	BY	APPD
3	MAY 08/20	SECOND SUBMISSION	SJC	TLB
2	MAR 23/20	REVISED PRELIMINARY SUBMISSION	SJC	TLB
1	MAR 19/20	PRELIMINARY SUBMISSION	SJC	TLB

REVISION / ISSUE

Scale: 1:250 (24 x 36)
2.5 0 5 10 15 20 METRES
10 0 5 10 15 20 FEET

COBIDE ENGINEERING INC
517 10th STREET, Hanover, Ontario N4N 1R4
Telephone: (519) 506-5599
www.cobideeng.com

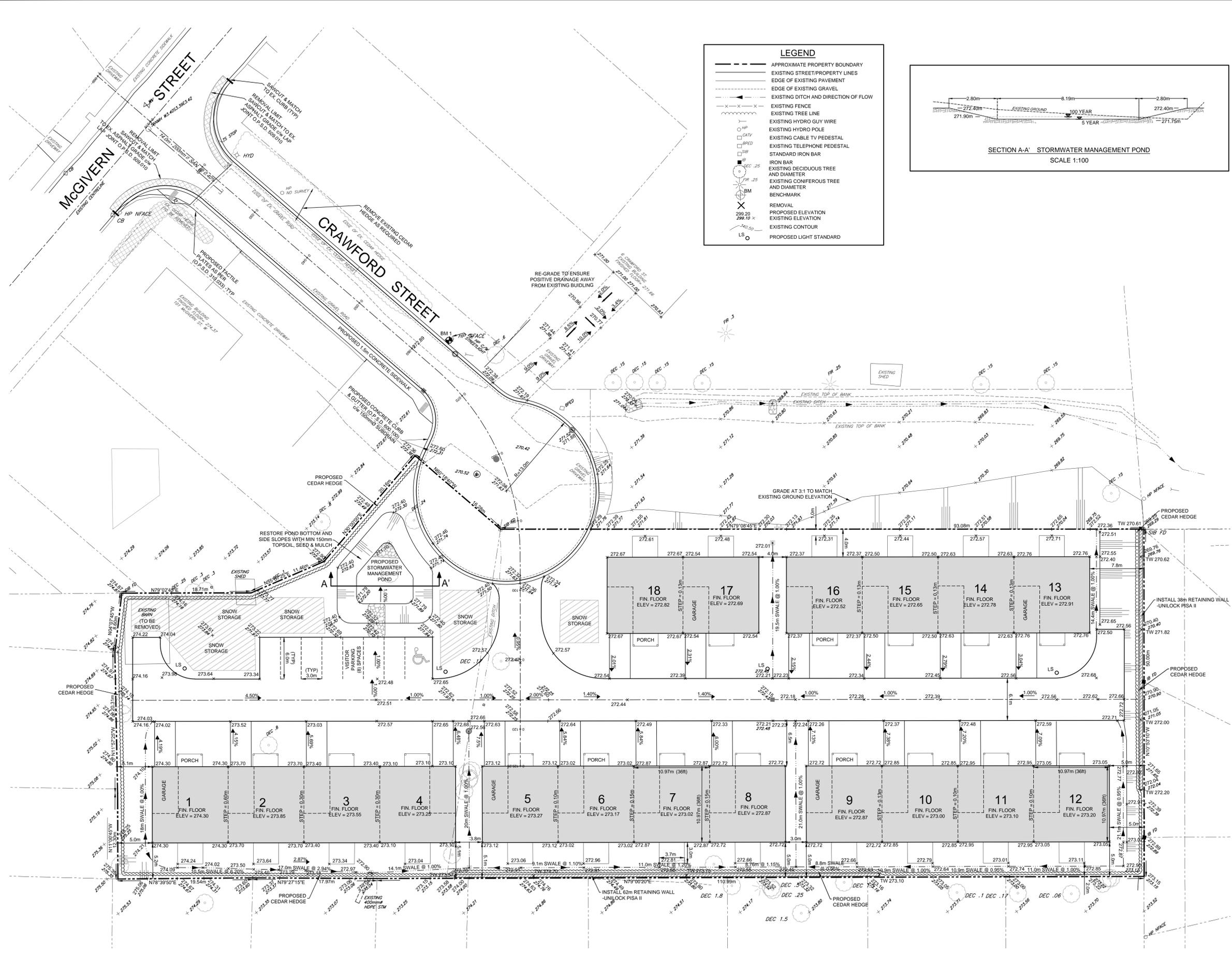
**PROPOSED TOWNHOUSES
TOWN OF WALKERTON
MUNICIPALITY OF BROCKTON
SITE SERVICING PLAN**

Client: 2369906 Ontario Ltd.

Design: TLB Scale: 1:250
Drawn: JAF - BCD Approved:
Checked: SJC
Date: NOV 2019 Design Engineer

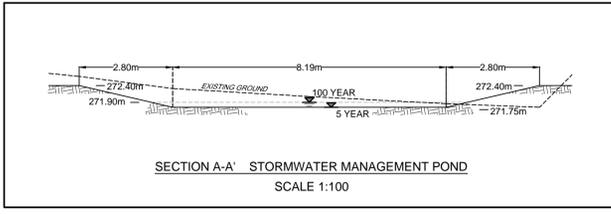
DRAWING No. 02003-SS1

H:\p\p\p\02003 - Crawford Street Townhouses - Woblerion Drawings\Submissions\2020-05-08 Second Submission\02003 Base 2020-05-06.dwg - May 08, 2020 - 12:43pm



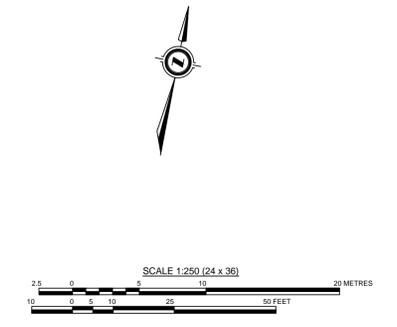
LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- EXISTING STREET/PROPERTY LINES
- EDGE OF EXISTING PAVEMENT
- EDGE OF EXISTING GRAVEL
- EXISTING DITCH AND DIRECTION OF FLOW
- EXISTING FENCE
- EXISTING TREE LINE
- EXISTING HYDRO GUY WIRE
- EXISTING HYDRO POLE
- EXISTING CABLE TV PEDESTAL
- EXISTING TELEPHONE PEDESTAL
- STANDARD IRON BAR
- IRON BAR
- EXISTING DECIDUOUS TREE AND DIAMETER
- EXISTING CONIFEROUS TREE AND DIAMETER
- BENCHMARK
- REMOVAL
- PROPOSED ELEVATION
- EXISTING ELEVATION
- EXISTING CONTOUR
- PROPOSED LIGHT STANDARD



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 - ALL STORM CATCHBASINS TO HAVE A MINIMUM SUMP OF 600mm.
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Seal not valid unless signed and dated

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**PROPOSED TOWNHOUSES
TOWN OF WALKERTON
MUNICIPALITY OF BROCKTON
SITE GRADING PLAN**

Client: 2369906 Ontario Ltd.

Design: TLB	Scale: 1:250
Drawn: JAF - BCD	Approved:
Checked: SJC	
Date: NOV 2019	Design Engineer

DRAWING No. 02003-SG1

