

CONTRACT FOR

**2026-2027 Capital Works Program
Robinson Street, Stewart Street and Thomas Avenue
Reconstruction
CONTRACT No. ES-2026-03**



February 2026

INSTRUCTIONS TO TENDERER

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**2026-2027 Capital Works Program
Robinson Street, Stewart Street and Thomas Avenue
Reconstruction
CONTRACT No. ES-2026-03**

Name of Firm or Individual

Mailing Address

Telephone / Fax Number

Email Address

Name/Position of Person Signing for Firm

Town of Perth
Environmental Services
Department
80 Gore Street East
Perth, Ontario
K7H 1H9

Attention: Mr. Grant Machan, C.E.T. Director
Environmental Services
Telephone: (613) 267-3311
Fax: (613) 267-5635

INSTRUCTIONS TO TENDERER

1. INVITATION TO TENDER

Sealed Tenders marked ‘**Town of Perth – 2026-2027 Capital Works Program - Robinson Street, Stewart Street and Thomas Avenue Reconstruction - Contract ES-2026-03**’ will be received at the office of the Director of Environmental Services located at 80 Gore Street East, Perth, Ontario up to 1:00 pm local time, March 12, 2026. Bids received after the closing time will not be considered. Tenders will be opened in public at the Environmental Services Office immediately following closing.

2. SCOPE OF WORK

Phase 1- 2026 Construction

Robinson Street reconstruction works include, but not limited to, the reconstruction of approximately 150 m of local residential road, replacement of cast iron watermain, concrete sanitary sewer, and addition of a storm sewer.

Thomas Avenue reconstruction works include, but not limited to, the reconstruction of approximately 140 m of local residential road, the addition of a watermain, replacement of PVC & AC sanitary sewer, replacement of PVC storm sewer.

Phase 2- 2027 Construction *

Stewart Street reconstruction works include, but not limited to, the reconstruction of approximately 110 m of local residential road, replacement of copper watermain, clay sanitary sewer, and addition of storm sewer.

***Phase 2 Construction tentatively scheduled for 2027 pending council approval of the 2027 budget, based on total contract value, the Town may elect to commence construction of Phase 2 within 2026. Costs should be provided for both options.**

3. PAYMENT FOR CONTRACT DOCUMENTS

Payment for Contract documents through the on-line bid platform will be non- refundable.

4. EXAMINE

The Tenderer must carefully examine the Contract documents and the site of the proposed works, judging for and satisfying themselves as to the probable conditions to be encountered. Should a Tenderer find discrepancies in, or omissions from, the drawings or other documents, or should they be in doubt as to their meaning, they should at once notify the Director, Environmental Services. The Tenderer may not claim, after the submission of a tender, that there was any misunderstanding with respect to the conditions imposed by the documents.

The Tenderer's attention is drawn to the Special Provisions of the documents which contain any changes or additions to the General Conditions and/or specifications. The Tenderer's attention is also drawn to any addenda which may be issued prior to the time of tender closure.

No verbal agreement or conversation made or had at any time with any officer, agent, or employee

INSTRUCTIONS TO TENDERER

of the Owner, or the Director, Environmental Services shall affect or modify or be deemed to be any representation or warranty of any of the terms or obligations herein stated.

5. QUESTIONS

All enquiries must be sent **by email only** to the distributor of this RFT to:

Name: Noah Greer

Manager of Construction & Development Services

Email: engtech@perth.ca

Enquiries will be received until 5 p.m. five (5) business days preceding the tender closing. All responses to enquiries will be made by the distributor of the RFT by 5:00 p.m. three (3) business days preceding the tender closing.

INSTRUCTIONS TO TENDERER

6. FORM OF SUBMISSION

- a) Sealed Tenders on the forms provided will be received by the Director, Environmental Services until **1:00 pm local time, March 12, 2026** at the Perth Town Hall, 80 Gore Street East, Perth, Ontario for this Contract.
- b) Tenders must be submitted in sealed envelopes with the Contract number and Bidder's name and address clearly marked on the outside.
- c) The Tender must be accompanied by a deposit, enclosed in the same envelope as the Tender. The deposit shall be a bid bond, certified cheque, bank draft or money order, made payable to the Corporation of the Town of Perth equal to or greater than the amount shown in the following Table.

TENDER AMOUNT	MINIMUM DEPOSIT REQUIRED
Less than or equal to \$20,000	\$1,000
\$20,000.01 to \$50,000	\$2,000
\$50,000.01 to \$100,000	\$5,000
\$100,000.01 to \$250,000	\$10,000
\$250,000.01 to \$500,000	\$25,000
\$500,000.01 to \$1,000,000	\$50,000
\$1,000,000.01 to \$2,000,000	\$100,000
\$2,000,000.01 and over	\$200,000

- d) The Tender Form must be signed and witnessed in the space provided on the form, with the signature of the Bidder or of a representative official of the organization bidding. If a joint bid is submitted, it must be signed and witnessed on behalf of each of the Bidders, and if the signing is vested in one individual, he/she shall sign separately on behalf of each Bidder. In the case of an incorporated company, the corporate seal must be affixed to the Tender Form.
- e) The Tender must be legible, written in ink or typewriter and **ALL ITEMS MUST BE BID**, where stipulated, with the unit price for every item and other entries clearly shown.
- f) The Bid must not be restricted by a statement added to the Tender Form or a covering letter, or alterations to the Tender Forms provided by the Town.
- g) Erasures, overwriting, or strike-outs must be initialed by the person signing on behalf of the organization bidding.
- h) Adjustments by telegram, fax, letter, email or other electronic method, to a Tender already submitted will not be considered. A Bidder desiring to make adjustments to a tender must withdraw the Tender and/or replace it with another Tender before the time listed as the formal closing in paragraph (a).
- i) **Unacceptable Tenders** - Each item in the Tender Form shall be a reasonable price for such item. Under no circumstances will an unbalanced tender be considered. The Town of Perth will be the sole judge of such matters, and should any tender be considered to be unbalanced, then it will be rejected by the municipality.
- j) **Right to Accept or Reject Tenders** - The Town of Perth reserves the right to reject any or all tenders or to accept any tender should it be deemed to be in the best interest to do so.

INSTRUCTIONS TO TENDERER

The tenderer acknowledges and agrees that the Town of Perth will not be responsible for any costs, expenses, losses, damages or liability incurred by the tenderer as a result or arising out of submitting a tender for the proposed contract or due to the municipality's acceptance or rejection of their tender. Tenders which are incomplete, conditional or obscure, or which contain additions not called for, alterations, or irregularities of any kind, may be rejected as informal.

- k) The lowest or any tender may not necessarily be accepted.
- l) **Tied Tenders** - In the event that the evaluation of the tender submissions determines that two or any submissions are considered to be exactly the same amount (within 1%), then the Town of Perth shall have the sole right to select the successful tender.

7. ABILITY AND EXPERIENCE OF BIDDER

The Town of Perth reserves the right to reject the tender of any bidder who does not furnish satisfactory evidence of sufficient capital, equipment, and experience to successfully prosecute and complete the work in the specified time.

In order to aid the Town of Perth in determining the experience of the bidder, the Bidder shall, within three (3) working days after being requested by the municipality, furnish satisfactory evidence to the Corporation as to the Bidder's experience and familiarity with work of character specified and financial ability to execute the proposed work properly within the specified time. Failure by the successful bidder to meet any of the forgoing requirements will entitle the municipality to cancel the award of the contract and to retain the tender deposit as compensation for damages sustained due to the successful bidder's default. The Corporation may then award the contract to one of the other bidders or take such other action as it chooses.

8. TENDER PRICE

The price shall be filled in by the Tenderer where indicated in the Tender Form. The prices tendered shall include the supply and installation of all materials except those specified to be supplied/installed by others, all supervision, labour and equipment, and a provision for overhead and profit, and shall represent the entire cost to the Owner for the completed works as specified and shown on the drawings.

Unit prices shall be filled in where indicated in the Tender Form regardless of whether a quantity is shown. The unit prices shall be extended in accordance with the quantities shown and the extensions shall be inserted in the space provided. The Total Tender must be an accurate extension of the unit and lump sum prices submitted and the quantities shown. In the event of a discrepancy between the unit prices and extended totals, the unit prices will govern and the Director, Environmental Services will correct the extended totals accordingly.

All tender prices shall be valid for 60 days

INSTRUCTIONS TO TENDERER

9. QUANTITIES

The quantities inserted against the various items in the Schedule of Quantities and Prices of the Tender Form have been stated for the purpose of comparing tenders on a uniform basis, but it must be distinctly understood that any quantities shown in the said Schedule are approximate only and that neither the Owner nor the Director Environmental Services expressly, or by implication, represent that the actual quantities will correspond therewith. Should substantial variations in the tender quantities occur following construction, then the provisions of OPS General Condition G.C. 8.01 shall apply.

10. SCHEDULE OF FORCE ACCOUNT RATES

The Tenderer must indicate, in the Schedule of Force Account Rates of the Tender Form, all personnel and equipment hourly rates are likely to be used on the project. These rates will form the basis for payment for force account work (time and materials) carried out under this contract. Failure to adequately complete the schedule may result in the Tender being considered incomplete.

11. LIST OF SUBCONTRACTORS

The Tenderer must indicate, in the List of Subcontractors in the Tender Form, the names of all subcontractors he proposes to employ on the work. Subcontractors shall not be changed or additional subcontractors employed without the written authorization of the Director, Environmental Services. Failure to submit a complete list may result in the Tender being considered incomplete.

12. TENDER SIGNING

The Tender must be executed under seal by the Tenderer.

If the Tenderer is an individual or a partnership, the Tender shall be executed by the individual or a partner in the presence of a witness and the signer must show the capacity in which he/she signs, e.g., "Partner" or "Proprietor".

If the Tenderer is a corporation, the Tender shall be executed under the seal of the company affixed in the presence of the authorized officers or directors.

If the Tenderer is a joint venture, each party to the joint venture shall execute the Tender under seal in the manner appropriate to such party.

13. TENDER WITHDRAWAL

A Tenderer may, without prejudice to themselves, withdraw his/her tender on written request received any time prior to the time set for the closing of tenders.

INSTRUCTIONS TO TENDERER

14. AWARD

The Owner will, following receipt of an acceptable tender, issue in writing a Notice of Award to the successful Tenderer. The anticipated award date is **April 24, 2026**, pending council approval. This notice will be given as soon as possible following the closing of tenders and, unless otherwise agreed to by the Tenderer, not later than sixty (60) days following the closing of tenders.

15. RELEASE OF TENDER DEPOSIT

The tender deposit of all tenderers except the low and second low tenderers will be returned without interest, within 30 days of the tender opening. The tender deposit of the second low tenderer will be returned when the successful tenderer has returned the executed Agreement and other applicable documents to the Owner.

The successful tenderer will have his tender deposit returned after he/she has returned the executed Agreement and other applicable documents. The tender deposit cheque or security shall be forfeited if the successful tenderer fails to return to the Owner, within ten days of receipt of the acceptance of tender, the executed Agreement and other required documents.

16. SCHEDULE OF COMPLETION

It is a requirement of this contract that all servicing and road works be completed according to the following schedule:

Phase 1

- Robinson Street
 - All Concrete works, interlocking pavers and base course paving to be completed prior to September 28th, 2026.
 - Final wear course paving to be completed in 2027, prior to June 14th, 2027.
- Thomas Avenue
 - All concrete works, interlocking pavers and base course paving to be completed prior to September 28th, 2026.
 - Final wear course paving to be completed in 2027, prior to June 14th, 2027.

Phase 2

- Stewart Street **2026 Construction**
 - All concrete works, interlocking pavers and base course paving to be completed prior to September 28th, 2026.
 - Final wear course paving to be completed in 2028, prior to June 14th, 2027.
- Stewart Street **2027 Construction**
 - All concrete works, interlocking pavers and base course paving to be completed prior to September 27th, 2027.
 - Final wear course paving to be completed in 2028, prior to June 16th, 2028.

INSTRUCTIONS TO TENDERER

All schedules are based on the assumption that a Notice of Award will be issued by the anticipated date and will be modified based on equivalent days past the anticipated date.

***Stewart Street Construction is tentatively scheduled for 2027 pending council approval, based on total contract value, the Town may elect to commence construction of Stewart Street within 2026. Costs should be provided for both options.**

17. PERFORMANCE SURETY

Bidders must have the "Agreement to Bond" Form of this Contract or an acceptable alternative Agreement to Bond Form completed by their Bonding Companies and the same must be submitted with their tendering order to validate their bids.

The successful tenderer and its surety will provide:

1. A Performance Bond signed and sealed by the Tenderer's surety; in the amount of at least one hundred percent (100%) of the total Tender price, issued by an approved Guarantee Company must be furnished by the Contractor when the Contract is signed. And;
2. A labour and material payment bond signed and sealed by the Tenderer's surety; in the amount of at least fifty percent (50%) of the total Tender price, issued by an approved Guarantee Company must be furnished by the Contractor when the Contract is signed.

All bonding will be required on acceptance of the Contract and prior to commencement of any work. If a bond is to be submitted, it shall be furnished by a certified bonding company, with head office in Canada, or authorized to carry on business in Canada. The Town of Perth shall be named as obligee.

18. WARRANTY

The Contractor shall provide a written warranty/guarantee that any defect or deficiency in the Work which appears within twelve (12) months following the issuance of a Notice of Substantial Completion shall be promptly rectified, at no cost to the Town of Perth.

Where the Work is completed in phases under this Contract, the Town may issue a separate Notice of Substantial Completion for each phase. For each phase, Substantial Completion may be granted once the base course asphalt has been completed for that phase, and the twelve (12) month warranty period for that phase shall commence on the date of that Notice.

INSTRUCTIONS TO TENDERER

PERFORMANCE BOND

Bond No. _____

Amount: _____

KNOW ALL MEN BY THESE PRESENTS, that we _____ hereinafter called the "Principal" and _____ hereinafter called the "Surety", are jointly and severally held and firmly bound unto _____ hereinafter called the "Oblige", each in the sum of _____ Dollars (\$ _____) of lawful money of Canada, to be paid to the said Oblige or bis successors or assigns, for which payment well and truly made, we jointly and severally bind ourselves, our and each of our respective heirs, executives, administrators and successors, and every of them forever, firmly by these Presents.

SEALED with our several and respective seals.

DATED this _____ day of _____ in the year of our Lord Two Thousand and _____.

WHEREAS by a certain written Agreement dated this ___ day of _____ in the year of _____, the Principal has contracted and agreed with the said Oblige to in the said Agreement and in the Tender, General Conditions, Plans, Profiles and Specifications annexed to or forming part of the said Agreement, more particularly mentioned and described, all of which are herein called the Contract at the price upon the terms and conditions as in the Contract more fully set forth, and having been required to furnish good and sufficient security for the due and proper fulfilment of the Contract, the Surety has consented to become such security, and to execute these Presents.

TENDER FORM

TENDER FORM

TO: Mayor and Council of the Corporation of the Town of Perth
This Tender is Submitted By:

Firm Name

Address

Telephone Number

Fax Number

I, _____ (Name)
of _____ (Firm)

- 1) **Declare** that no person, firm or Corporation other than the one whose signature or the signature of whose proper officers and seal is or are attached below, has any interest in this Tender or in the contract proposed to be taken.
- 2) **I Further Declare** that this tender is made without any connections, knowledge, comparison of figures or arrangement with any other company, firm or person making a tender for the same work and is in all respects fair and without collusion or fraud.
- 3) **I Further Declare** that no members of Town Council, or any officer of the Corporation of the Town of Perth is, or will become interested directly or indirectly as a contracting party or otherwise, in the performance of this contract, or in the supplies, work or business to which it relates or any portion of the profits thereof, or any such supplies to be used therein or in any of the monies to be derived therefrom, unless he/she first declares an interest in this Contract to the Town of Perth prior to the opening of the Tenders.
- 4) **I Further Declare** that **several** matters stated in the said tender are in all respects true.
- 5) **I Further Declare** that I have carefully examined the Contract Documents and the locality of the proposed work, and having full knowledge of the work required and of the materials, to be furnished and used, hereby agree to provide all necessary materials, supervision, labour and equipment and perform and complete all work and fulfill everything as set forth and in strict accordance with the Contract Documents and **Addenda numbered _____** for the prices stated in the Tender Form Schedule of Quantities and Prices.
- 6) I Further Agree:
 - a. That the **Owner** is in no way obligated to accept this Tender.

TENDER FORM

- b. That should the Tender Form be improperly completed or be incomplete, the Owner shall have the right to disqualify and/or reject this Tender.
- c. That this Tender is irrevocable for sixty (60) days after the closing date for receipt of tenders and that the Owner may at any time within such period accept this Tender whether any other tender has previously been awarded or not and whether notice of award of another tender has been given or not.
- d. To execute the Contract Agreement and deposit with the Owner a Performance Bond on the form provided in the documents and for the amounts specified in Article 18 of the Tender Form, within ten (10) days of the day of the Notice of Award of the Contract, such time limit being extended only on the written approval of the Owner.
- e. To complete all work under the Contract up to base course asphalt and surface course asphalt for each street, subject to the requirements of Section 5 of the Special Provisions - General for extension of Contract time, with the following deadlines:
 - Phase 1- Robinson Street and Thomas Avenue:**
 - All Concrete works, interlocking pavers and base course paving to be completed prior to **September 28th, 2026**. Surface course asphalt by **June 14th, 2027**.
 - Phase 2- Stewart Street:**
 - **For construction commencing in 2026:** All Concrete works, interlocking pavers and base course paving to be completed prior to **September 28th, 2026**. Surface course asphalt by **June 14th, 2027**.
 - **For construction commencing in 2027:** All Concrete works, interlocking pavers and base course paving to be completed prior to **September 27th, 2027**. Surface course asphalt by **June 16th, 2028**.

***Stewart Street Construction is tentatively scheduled for 2027 pending council approval, based on total contract value, the Town may elect to commence construction of Stewart Street within 2026. Costs should be provided for both options.**
- f. That should he/she fail to complete the work in the time specified above, he/she shall compensate the Owner in accordance with Part 5 of the Special Provisions - General.
- g. To do all extra work not reasonably inferable from the specifications or drawings but called for in writing by the Director, Environmental Services and to accept as full compensation therefore payment in accordance with the provisions of the General Conditions.
- h. The Owner reserves the right to waive informalities in or reject any or all tenders, or accept the tender deemed most favorable in the interest of the Owner.
- i. That payment for the work done will be made on the basis of the quantities measured by the Director, Environmental Services and at the prices shown in the Tender Form which shall be compensation in full for the work done under the terms

TENDER FORM

of the Contract.

- j. The Town reserves the right to change the work in whole or in part. The contractor shall not be compensated for any loss of profit from the deletion or deferral of any item, in whole or in part.
- 7) I Furthermore Agree:
- a. That wherever the words "Town" or "Corporation" appear in this contract, it may be interpreted as meaning "The Corporation of the Town of Perth".
 - b. That wherever the words "Engineer" or "Contract Administrator" or "Director" appear in this contract, it shall be interpreted as meaning the "Director, Environmental Services", or his designate.

TENDER FORM

SCHEDULE OF ITEMS AND PRICES – ROBINSON STREET

“Spec. No.:" - refers to the applicable most recent issue of the Ontario Provincial Standard Specifications (OPSS.MUNI) or Ontario Provincial Standard Drawings (OPSD).

“SP” - refers to Special Provisions

“LS” - refers to a Lump Sum bid

“m³” - refers to cubic metres

“m²” - refers to square metres

“m” - refers to linear metres

“t” - refers to tonnes

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
1.00	ROAD CONSTRUCTION					
1.01	SPI-M	Mobilization/Demobilization	L.S.	1		
1.02	206, 510 SPI-206-1	Earth Excavation Grading	m ³	531.23		
1.03	206, 510 SPI-206-3	Rock Excavation and Removals	m ³	450		
1.04	310, SPI- 310-1	Road Surface Course 40mm Depth (Hot Mix HL 3/ Superpave 12.5mm)- YEAR 2027	t	166.15		
1.05	310, SPI- 310-2	Road Base Course 50mm Depth (Hot Mix HL 8/ Superpave 19.0mm)	t	207.69		
1.06	310, SPI- 314-1	Granular "A" - Road (150mm)	t	701.86		
1.07	310, SPI- 314-1	Granular "B" - Road (375mm)	t	1,754.66		
1.08	311, SPI- 311-1	Asphalt Driveways (Hot Mix HL 3 / Superpave 12.5 - 50mm Depth)	m ²	153.26		
1.09	355, SP, 510	Remove, Salvage, and Replace Interlocking Stone Driveways/Walkways (inc. Granular Base)	m ²	1.40		
1.10	SPI-HP	Protect and Support Existing Hydro Pole	Ea.	4		
1.11	SPI-HP	Protect Existing Light Cubicle	Ea.	1		
1.12	801	Protect and Support Existing Tree	Ea.	1		
1.13	51, SPI-351- 1	Concrete Sidewalk/Walkway/Driveway	m ²	284.51		

TENDER FORM

1.14	351	Tactile Walking Surface Indicators for Sidewalk	Sets	5		
1.15	353, SPI-353-1	Concrete Curb and Gutter as per Town of Perth DWG RD-02	L.m.	300.08		
1.16	510, SPI-510-1	Removal of Asphalt (Full Depth) (Roadway)	m ²	1,428.47		
1.17	510, SPI-510-1	Removal of Asphalt (Full Depth) (Driveways, Sidewalks & Boulevards)	m ² (P)	153.26		
1.18	510	Saw-cutting of Asphalt/Concrete	L.m.	56.54		
1.19	509.010	Removal of asphalt by dry grinding (50mm depth) 0.5m wide step joint	m ²	28.27		
1.2	510	Remove Granular Driveways and Pathway	m ² (P)	28.35		
1.21	510	Removal of Concrete Sidewalk/Walkways (All Types)	m ² (P)	262.69		
1.22	510	Removal of Curb (All Types)	L.m.	23.54		
1.23	510	Remove, Salvage and Reinststate Fence	Ea.	1		
1.24	510, SPI-SIGNS	Remove, Salvage and Reinststate Sign	Ea.	1		
1.25	510, SPI-TR	Removal & Reinstatement of existing Hedge	Ea.	4		
1.26	710, SPI-710-1	Final Pavement Markings	L.S.	1		
1.27	SPI-802/803-1	Nursery Sod c/w watering - Boulevard and lawn restoration(inc. 100mm Depth Topsoil)	m ²	659.31		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
2.00 SANITARY SEWERS AND APPURTENANCES						
2.01	410	Locate and Connect to Existing Sanitary Mains and maintenance holes	Ea.	3		
2.02	410, SPI-410-2	125mmØ PVC SDR-28 Sanitary laterals, including connection to property service or cap at property line	Ea.	9		
2.03	410	200mmØ PVC SDR-35 Gravity Sanitary Sewer	L.m.	185.54		

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2.04	407, SPI-407-1	New 1200mmØ Sanitary Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.101 Type A)	Ea.	3		
2.05	409, SP1-409-1	Cleaning and Closed Circuit Television Inspection of Sanitary Sewer	L.m.	185.54		
2.06	510, SPI-510-2	Removal of Sanitary Sewers	L.m.	175.04		
2.07	510, SPI-510-3	Removal of Sanitary Manhole	Ea.	2		
2.08	SP-INS, PROV	Rigid Insulation (50mm Thick)	m ²	67		
2.09	408, SPI-408-1	Adjust Sanitary Manhole frame and covers (base asphalt to final lift)	Ea.	3		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				2.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
3.00	STORM SEWERS AND APPURTENANCES					
3.01	410	Locate and Connect to Existing Storm Sewer or maintenance hole	Ea.	2		
3.02	407, SPI-407-1	1200mmØ Storm Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	2		
3.03	407, SPI-407-1	1500mmØ Storm Manhole as per OPSD 701.011 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	2		
3.04	410, SPI-410-1	New 200mm CB Leads PVC DR 35	L.m.	34.13		
3.05	407, SPI-407-1	New Catch Basin (600mm x 600mm) as per OPSD 705.010 (inc. Frames & Grates as per OPSD 400.020)	Ea.	6		
3.06	410, SPI-410-1	New 300mmØ Storm Sewer PVC DR 35	L.m.	114.71		
3.07	410, SPI-410-1	New 375mmØ Storm Sewer PVC DR 35	L.m.	10.91		
3.08	410, SPI-410-1	New 600mmØ Storm Sewer RCP Class 65D	L.m.	7.50		

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3.09	410, SPI-410-1	New 675mmØ Storm Sewer RCP Class 65D	L.m.	12.34		
3.10	409, SP1-409- 1	Cleaning and Closed Circuit Television Inspection of Storm Sewer	L.m.	145.46		
3.11	405, SPI-405-1	150mm Perforated Subdrains	L.m (P)	300.08		
3.12	510, SPI-510-3	Removal of Storm Sewer Pipes	L.m.	60.00		
3.13	510, SPI-510-3	Removal of Existing Manhole	Ea.	1		
3.14	510, SPI-510-3	Removal of Existing Catchbasin inc. Leads	Ea.	4		
3.15	510, SPI-510-3	100mm Ø Storm Laterals PVC DR 28, including connection to property service or cap at property line	Ea.	9		
3.16	SP-INS	Rigid Insulation (50mm Thick)	m ²	108		
3.17	408, SPI- 408-1	Adjust Storm MH & Catchbasins (base asphalt to final lift)	Ea.	10		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				3.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
4.00	WATERMAIN AND APPURTENANCES					
4.01	441, SPI-441-1	200mmØ PVC Class150 DR18Watermain including all appurtenances	L.m.	170.45		
4.02	441, SPI-441-1	250mmØ PVC Class150 DR18Watermain including all appurtenances	L.m.	20.16		
4.03	510	Removal of Existing Gate Valves	Ea.	4		
4.04	510	Removal of Existing Water Valve Chamber	Ea.	1		
4.05	510, SPI-510-4	Removal of existing fire hydrants including valves	Ea.	1		
4.06	441, SPI-441-1	Locate and Connect to Existing Watermain	Ea.	4		
4.07	441, SPI-441-2	200mm Gate Valve and valve box	Ea.	6		
4.08	441, SPI-441-2	250mm Gate Valve and valve box	Ea.	2		
4.09	441,	50mmØ Water Service type "k"	Ea.	1		

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	SPI-441-1	copper (inc. Saddle and Curb Stop)	(P)			
4.10	441, SPI-441-1	19mmØ Water Service type "k" copper (inc. Saddle and Curb Stop)	Ea. (P)	9		
4.11	441, SPI-441-1	New Fire Hydrants (inc. lead, valve & appurtenances)	Ea.	2		
4.12	441, SPI-441-1	Adjust Gate Valve (all sizes) base asphalt to final lift	Ea.	8		
4.13	441, 442, SPI-442-1	Cathodic Protection	L.S.	1		
4.14	441, SPI-441-1	Testing of Watermain (Pressure Testing, Chlorine Residual Testing)	L.S.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				4.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
5.00 General Items						
5.01	SP-GEN	Bonding and Insurance	L.S.	1		
5.02	SP-GEN	Pre-Condition Survey	L.S.	1		
5.03	706, SPI- TCP	Traffic Control Plan	L.S.	1		
5.04	SPI-SPCP	Construction Site Pedestrian Control Plan	L.S.	1		
5.05	805, SPI- 805-1	Environmental Protection	L.S.	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
				5.00 Subtotal		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
6.00 Provisional Items						
6.01	SP-GEN, PROV	Hourly Rate - Foreman	hr.	20		
6.02	SP-GEN, PROV	Hourly Rate - Operator	hr.	20		
6.03	SP-GEN, PROV	Hourly Rate - Truck Driver	hr.	20		
6.04	SP-GEN, PROV	Hourly Rate - Pipe Layer	hr.	20		
6.05	SP-GEN, PROV	Hourly Rate - Labourer	hr.	20		
6.06	310,PROV	Tack Coating (Application Rate 0.2kg/m2)	m2	1854.34		

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6.07	506,PROV	Dust Suppressants - Calcium Chloride Flake	kg	150		
6.08	SPI-HYD	Hydrovac allowance	hr.	20		
6.09	517,518	Dewatering of Trenches	L.S.	1		
6.10	511, SPI-314-2	Non-Woven Geotextile below Granular B	m ² (P)	2034.39		
6.11	SPI-510-4	Handling and disposal of Asbestos Pipe (All Sizes)	L.m.	10		
6.12	SPI-401-03 PROV	Backfill with SSM	t	1		
6.13	SPI-TR	Tree Limbing	L.S.	1		
6.14	SPI-ADJ	Adjust Underground Utility Structure	E.a.	3		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
				6.00 Subtotal		

SUMMARY – ROBINSON STREET

SECTION	DESCRIPTION	TOTAL AMOUNT
1.00	ROAD CONSTRUCTION	
2.00	SANITARY SEWERS AND APPURTENANCES	
3.00	STORM SEWERS AND APPURTENANCES	
4.00	WATERMAIN AND APPURTENANCES	
5.00	GENERAL ITEMS	
6.00	PROVISIONAL ITEMS	
	SUB-TOTAL	
	CONTINGENCY (10%)	
	HST (13%)	
	TOTAL	

Note: The Contractor agrees that they are not entitled to payment of Provisional Items or Contingency except for additional work carried out by the Contractor in accordance with the Contract as directed by the Contract Administrator in writing and only to the extent of such additional work.

TENDER FORM

SCHEDULE OF ITEMS AND PRICES – THOMAS AVENUE

“Spec. No.:-” - refers to the applicable most recent issue of the Ontario Provincial Standard Specifications (OPSS.MUNI) or Ontario Provincial Standard Drawings (OPSD).

“SP” - refers to Special Provisions

“LS” - refers to a Lump Sum bid

“m³” - refers to cubic metres

“m²” - refers to square metres

“m” - refers to linear metres

“t” - refers to tonnes

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
1.00 ROAD CONSTRUCTION						
1.01	SPI-M	Mobilization/Demobilization	L.S.	1		
1.02	206, SPI-206-1	Earth Excavation Grading	m ³	746.77		
1.03	310, SPI-310-1	Road Surface Course 40mm Depth (Hot Mix HL 3/ Superpave 12.5mm Top) -YEAR 2027	t	125.53		
1.04	310, SPI-310-2	Road Base Course 50mm Depth (Hot Mix HL 8/ Superpave 19.0mm Base)	t	156.91		
1.05	310, SPI-314-1	Granular "A" - Road (150mm)	t	546.33		
1.06	310, SPI-314-1	Granular "B" - Road (375mm)	t	1365.82		
1.07	311, SPI-311-1	Asphalt Driveways (Hot Mix HL 3 / Superpave 12.5 - 50mm Depth)	m ²	153.56		
1.08	SPI-HP	Protect and Support Existing Hydro & Light Pole	Ea.	6		
1.09	51, SPI-351-1	Concrete Sidewalk/Walkway	m ²	261.20		
1.10	351	Tactile Walking Surface Indicators for Sidewalk	Sets	4		
1.11	353, SPI-353-1	Concrete Curb and Gutter as per Town of Perth DWG RD-02	L.m.	304.26		
1.12	510, SPI-510-1	Removal of Asphalt (Full Depth) (Roadway)	m ²	1625.72		
1.13	510, SPI-510-1	Removal of Asphalt (Full Depth) (Driveways, Sidewalks & Boulevards)	m ² (P)	153.56		

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1.14	510	Saw-cutting of Asphalt/Concrete	L.m.	75.44		
1.15	510	Removal of asphalt by dry grinding (50mm depth) 0.5m wide step joint	m ²	37.72		
1.16	510	Removal of Concrete Sidewalk/Walkways (All Types)	m ² (P)	15.66		
1.17	510	Removal of Curb (All Types)	L.m.	213.46		
1.18	510, SPI-SIGNS	Remove, Salvage and Reinstall Sign	Ea.	4		
1.19	710, SPI-710-1	Final Pavement Markings	L.S.	1		
1.20	SPI-802/803-1	Nursery Sod c/w watering - Boulevard and lawn restoration(inc. 100mm Depth Topsoil)	m ²	836.73		
1.21	510	Remove, Salvage and Reinstall Fence	Ea.	1		
1.22	510	Relocate Shed	Ea.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				1.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
2.00 SANITARY SEWERS AND APPURTENANCES						
2.01	410	Locate and Connect to Existing Sanitary Mains and manholes	Ea.	3		
2.02	410, SPI-410-2	125mmØ PVC SDR-28 Sanitary laterals, including connection to property service or cap at property line	Ea.	2		
2.03	410, SPI-410-2	200mmØ PVC SDR-28 Sanitary laterals, including connection to property service or cap at property line	Ea.	1		
2.04	410	375mmØ PVC SDR-35 Gravity Sanitary Sewer	L.m.	143.72		
2.05	407, SPI-407-1	New 1200mmØ Sanitary Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	2		
2.06	409, SP1-409-	Cleaning and Closed Circuit Television Inspection of	L.m.	143.72		

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	1	Sanitary Sewer				
2.07	510, SPI-510-2	Removal of Sanitary Sewers	L.m.	143.72		
2.08	510, SPI-510-3	Removal of Sanitary Manhole	Ea.	2		
2.09	408, SPI- 408-1	Adjust Sanitary Manhole frame and covers (base asphalt to final lift)	Ea.	3		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				2.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
3.00	STORM SEWERS AND APPURTENANCES					
3.01	410	Locate and Connect to Existing Storm mains and manholes	Ea.	2		
3.02	407, SPI-407-1	1200mmØ Storm Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	4		
3.03	407, SPI-407-1	1200mmØ Storm Catchbasin Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 400.020)	Ea.	3		
3.04	407, SPI-407-1	1500mmØ Storm Manhole as per OPSD 701.011 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	1		
3.05	410, SPI-410-1	200mm PVC DR-35 CB Leads	L.m.	46.5		
3.06	410, SPI-410-1	300mm PVC DR-35 CB Leads	L.m.	6.7		
3.07	407, SPI-407-1	New Catch Basin (600mm x 600mm) as per OPSD 705.010 (inc. Frames & Grates as per OPSD 400.020)	Ea.	6		
3.08	410, SPI-410-1	New 300mmØ Storm Sewer PVC DR 35	L.m.	13.20		
3.09	410, SPI-410-1	New 375mmØ Storm Sewer PVC DR 35	L.m.	16.30		
3.10	410, SPI-410-1	New 450mmØ Storm Sewer PVC DR 35	L.m.	112.60		

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3.11	409, SPI-409- 1	Cleaning and Closed Circuit Television Inspection of Storm Sewer	L.m.	142.10		
3.12	405, SPI-405-1	150mm Perforated Subdrains	L.m. (P)	304.26		
3.13	510, SPI-510-3	Removal of Storm Sewer Pipes	L.m.	178.63		
3.14	510, SPI-510-3	Removal of Existing Catchbasins and Manholes inc. Leads	Ea.	10		
3.15	510, SPI-510-3	100mm Storm Laterals PVC DR 28, including connection to property service or cap at property line	Ea.	2		
3.16	510, SPI-510-3	150mm Storm Laterals PVC SDR 28, including connection to property service or cap at property line	Ea.	1		
3.17	SP-INS	Rigid Insulation (50mm Thick)	m ²	72.11		
3.18	408, SPI-408-1	Adjust Storm MH & Catchbasins (base asphalt to final lift)	Ea.	13		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
3.00 SUB-TOTAL						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
4.00	WATERMAIN AND APPURTENANCES					
4.01	441, SPI-441-1	200mmØ PVC Class150 DR18Watermain including all appurtenances	L.M	150.16		
4.02	510	Removal of Existing Gate Valves	Ea.	2		
4.03	510, SPI-510-2	Removal of Existing Watermain	L.m. (P)	150.16		
4.04	441, SPI-441-1	Locate and Connect to Existing Watermain	Ea.	4		
4.05	441, SPI-441-2	200mm Gate Valves and valve boxes	Ea.	6		
4.06	441, SPI-441-1	New Fire Hydrant (inc. Lead, Valve & Appurtenances)	Ea.	2		
4.07	441, SPI-441-1	19mmØ type "k" copper Water Service	Ea. (P)	2		

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		(inc. Saddle, Curb Stop & appurtenances)				
4.08	441, SPI-441-1	150mmØ Water Service (inc. Saddle, Curb Stop & appurtenances)	Ea. (P)	1		
4.09	441, SPI-441-1	Testing of Watermain (Pressure Testing, Chlorine Residual Testing)	L.S.	1		
4.10	441, SPI-441-1	Adjust Gate Valve (all sizes) base asphalt to final lift	Ea.	7		
4.11	441, 442, SPI-442-1	Cathodic Protection	Ea.	1		
4.12	510, SPI-510-4	Removal of Existing Fire Hydrants (incl. lead, valve & appurtenances)	Ea.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
4.00 SUB-TOTAL						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
5.00 General Items						
5.01	SP-GEN	Bonding and Insurance	L.S.	1		
5.02	SP-GEN	Pre-Condition Survey	L.S.	1		
5.03	706, SPI-TCP	Traffic Control Plan	L.S.	1		
5.04	SPI-SPCP	Construction Site Pedestrian Control Plan	L.S.	1		
5.05	805, SPI-805-1	Environmental Protection	L.S.	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
5.00 Subtotal						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
6.00 Provisional Items						
6.01	SP-GEN, PROV	Hourly Rate - Foreman	hr.	20		
6.02	SP-GEN, PROV	Hourly Rate - Operator	hr.	20		
6.03	SP-GEN, PROV	Hourly Rate - Truck Driver	hr.	20		
6.04	SP-GEN, PROV	Hourly Rate - Pipe Layer	hr.	20		
6.05	SP-GEN, PROV	Hourly Rate - Labourer	hr.	20		

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6.06	310,PROV	Tack Coating (Application Rate 0.2kg/m2)	m ²	1401.00		
6.07	506,PROV	Dust Suppressants - Calcium Chloride Flake	kg	150		
6.08	SPI-HYD	Hydrovac allowance	hr.	20		
6.09	517,518	Dewatering of Trenches	l.s.	1		
6.10	511, SPI-314-2	Non-Woven Geotextile below Granular B	m2 (P)	1583.56		
6.11	SPI-401-03 PROV	Backfill with SSM	t	1		
6.12	SPI-TR	Tree Limbing	L.S.	1		
6.13	206, 510, SPI-206-3	Rock Excavation and Removals	m ³	100		
6.14	SPI-510-4	Handling and Disposal of Asbestos Pipe (All Sizes)	L.m.	50		
6.15	SPI-REL	Relocation of existing Utility Vault	Ea.	3		
6.16	SPI-TEMP	Temporary Access Road-Mclean Blvd.	LS	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
				6.00 Subtotal		

SUMMARY – THOMAS AVENUE

SECTION	DESCRIPTION	TOTAL AMOUNT
1.00	ROAD CONSTRUCTION	
2.00	SANITARY SEWERS AND APPURTENANCES	
3.00	STORM SEWERS AND APPURTENANCES	
4.00	WATERMAIN AND APPURTENANCES	
5.00	GENERAL ITEMS	
6.00	PROVISIONAL ITEMS	
	SUB-TOTAL	
	CONTINGENCY (10%)	
	HST (13%)	
	TOTAL	

Note: The Contractor agrees that they are not entitled to payment of Provisional Items or Contingency except for additional work carried out by the Contractor in accordance with the Contract as directed by the Contract Administrator in writing and only to the extent of such additional work.

TENDER FORM

SCHEDULE OF ITEMS AND PRICES – STEWART STREET (2026 CONSTRUCTION)

***Stewart Street Construction is tentatively scheduled for 2027 pending council approval, based on total contract value, the Town may elect to commence construction of Stewart Street within 2026. Costs should be provided for both options.**

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“SP” - refers to Special Provisions

“LS” - refers to a Lump Sum bid

“m³” - refers to cubic metres

“m²” - refers to square metres

“m” - refers to linear metres

“t” - refers to tonnes

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
1.00 ROAD CONSTRUCTION						
1.01	SPI-M	Mobilization/Demobilization	L.S.	1.00		
1.02	206, 510 SPI-206-1	Earth Excavation Grading	m ³	506.18		
1.03	206, 510, SPI-206-3	Rock Excavation and Removals	m ³	150		
1.04	310, SPI- 310-1	Road Surface Course 40mm Depth (Hot Mix HL 3/ Superpave 12.5mm Top) -YEAR 2027	t	96.62		
1.05	310, SPI- 310-2	Road Base Course 50mm Depth (Hot Mix HL 8/ Superpave 19.0mm Base)	t	120.78		
1.06	310, SPI- 314-1	Granular "A" - Road (150mm)	t	372.05		
1.07	310, SPI- 314-1	Granular "B" - Road (375mm)	t	744.10		
1.08	311, SPI- 311-1	Asphalt Driveways (Hot Mix HL 3 / Superpave 12.5 - 50mm Depth)	m ²	89.60		
1.09	355, SP, 510	Remove, Salvage, and Replace Interlocking Stone Driveways/Walkways	m ²	55.60		
1.10	SPI-HP	Protect and Support Existing Hydro Pole	Ea.	5		
1.11	510, SPI-TR	Remove Existing Tree	Ea.	1.00		
1.12	801	Protect and Support Existing	Ea.	9.00		

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		Tree				
1.13	51, SPI-351-1	Concrete Sidewalk/Walkway	m ²	216.13		
1.14	351	Tactile Walking Surface Indicators for Sidewalk	Sets	3.00		
1.15	353, SPI-353-1	Concrete Curb and Gutter as per Town of Perth DWG RD-02	L.m.	223.72		
1.16	510, SPI-510-1	Removal of Asphalt (Full Depth) (Roadway)	m ²	881.60		
1.17	510, SPI-510-1	Removal of Asphalt (Full Depth) (Driveways, Sidewalks & Boulevards)	m ² (P)	137.12		
1.18	510	Saw-cutting of Asphalt/Concrete	L.m.	53.00		
1.19	510, SPI-510-1	Removal of asphalt by dry grinding (50mm depth) 0.5m wide step joint	m ²	26.50		
1.20	510	Remove Granular Driveways and Pathway	m ² (P)	11.80		
1.21	510	Removal of Concrete Sidewalk/Walkways (All Types)	m ² (P)	65.15		
1.22	510	Removal of Curb (All Types)	L.m.	205.40		
1.23	510, SPI-SIGNS	Remove, Salvage and Reinstall Sign	Ea.	1.00		
1.24	710, SPI-710-1	Final Pavement Markings	L.S.	1.00		
1.25	SPI-802/803-1	Nursery Sod c/w watering - Boulevard and lawn restoration (inc. 100mm Depth Topsoil)	m ²	482.00		
1.26	510	Remove, Salvage & Reinstall existing board fence	L.S.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				1.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
2.00 SANITARY SEWERS AND APPURTENANCES						
2.01	410	Locate and Connect to Existing Sanitary Mains or manhole	Ea.	3		
2.02	410, SPI-410-2	125mmØ PVC SDR-28 Sanitary laterals, including connection to property	Ea.	6		

TENDER FORM

		service or cap at property line				
2.03	410	300mmØ PVC SDR-35 Gravity Sanitary Sewer	L.m.	122.14		
2.04	407, SPI-407-1	New 1200mmØ Sanitary Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	2		
2.05	409, SP1-409-1	Cleaning and Closed Circuit Television Inspection of Sanitary Sewer	L.m.	122.14		
2.06	510, SPI-510-2	Removal of Sanitary Sewers	L.m.	122.14		
2.07	510, SPI-510-3	Removal of Sanitary Manhole	Ea.	1		
2.08	408, SPI-408-1	Adjust Sanitary Manhole frame and covers (base asphalt to final lift)	Ea.	2		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				2.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
3.00	STORM SEWERS AND APPURTENANCES					
3.01	410	Locate and Connect to Existing Storm Sewer or manhole	Ea.	1		
3.02	407, SPI-407-1	1200mmØ Storm Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	3		
3.03	410, SPI-410-1	200mm PVC DR-35 CB Leads	L.m.	29.40		
3.04	407, SPI-407-1	New Catch Basin (600mm x 600mm) as per OPSD 705.010 (inc. Frames & Grates as per OPSD 400.020)	Ea.	5		
3.05	410, SPI-410-1	New 300mmØ Storm Sewer PVC DR 35	L.M.	99.10		
3.06	410, SPI-410-1	New 450mmØ Storm Sewer RCP class 65D or PVC DR 35	L.M.	11.23		
3.07	409, SP1-409- 1	Cleaning and Closed Circuit Television Inspection of Storm Sewer	L.m.	110.33		

TENDER FORM

3.08	405, SPI-405-1	150mm Perforated Subdrains	L.m (P)	223.72		
3.09	510, SPI-510-3	Removal of Existing Catchbasin inc. Leads	Ea.	2		
3.10	510, SPI-510-3	100mm Storm Laterals PVC DR 28, including connection to property service or cap at property line	Ea.	7		
3.11	SP-INS	Rigid Insulation (50mm Thick)	m ²	60		
3.12	408, SPI-408-1	Adjust Storm MH & Catchbasins (base asphalt to final lift)	Ea.	10		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
3.00 SUB-TOTAL						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
4.00	WATERMAIN AND APPURTENANCES					
4.01	441, SPI-441-1	200mmØ PVC Class150 DR18 Watermain including all appurtenances	L.m.	102.36		
4.02	441, SPI-441-1	250mmØ PVC Class150 DR18 Watermain including all appurtenances	L.m.	19.95		
4.03	510, SPI-510-2	Removal of Existing Watermain	L.m. (P)	69.75		
4.04	441, SPI-441-1	Locate and Connect to Existing Watermain	Ea.	3		
4.05	441, SPI-441-2	250mm Gate Valves and valve boxes	Ea.	2		
4.06	441, SPI-441-2	200mm Gate Valves and valve boxes	Ea.	1		
4.07	441, SPI-441-1	New Fire Hydrant (inc. Lead, Valve & Appurtenances)	Ea.	1		
4.08	441, SPI-441-1	19mmØ Type "k" Copper Water Service (inc. Saddle, Curb Stop & appurtenances)	Ea. (P)	6		
4.09	441, SPI-441-1	Testing of Watermain (Pressure Testing, Chlorine Residual Testing)	L.S.	1		
4.10	441, SPI- 441-1	Adjust Gate Valve (all sizes) base asphalt to final lift	Ea.	3		
4.11	441, 442, SPI-442-1	Cathodic Protection	L.S.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						

TENDER FORM

	4.00 SUB-TOTAL		
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ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
5.00 General Items						
5.01	SP-GEN	Bonding and Insurance	L.S.	1		
5.02	SP-GEN	Pre-Condition Survey	L.S.	1		
5.03	706, SPI-TCP	Traffic Control Plan	L.S.	1		
5.04	SPI-SPCP	Construction Site Pedestrian Control Plan	L.S.	1		
5.05	805, SPI-805-1	Environmental Protection	L.S.	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
5.00 Subtotal						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
6.00 Provisional Items						
6.01	SP-GEN, PROV	Hourly Rate - Foreman	hr.	20		
6.02	SP-GEN, PROV	Hourly Rate - Operator	hr.	20		
6.03	SP-GEN, PROV	Hourly Rate - Truck Driver	hr.	20		
6.04	SP-GEN, PROV	Hourly Rate - Pipe Layer	hr.	20		
6.05	SP-GEN, PROV	Hourly Rate - Labourer	hr.	20		
6.06	310,PROV	Tack Coating (Application Rate 0.2kg/m2)	m ²	1078.40		
6.07	506,PROV	Dust Suppressants - Calcium Chloride Flake	kg	150		
6.08	SPI-HYD	Hydrovac allowance	hr.	20		
6.09	517,518	Dewatering of Trenches	L.S.	1		
6.10	511, SPI-314-2	Non-Woven Geotextile below Granular B	m ² (P)	1212.63		
6.11	SPI-401-03, PROV	Backfill with SSM	t	1		
6.12	SPI-TR	Tree Limbing	L.S.	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
6.00 Subtotal						

SUMMARY - STEWART STREET (2026 CONSTRUCTION)

SECTION	DESCRIPTION	TOTAL AMOUNT
1.00	ROAD CONSTRUCTION	
2.00	SANITARY SEWERS AND APPURTENANCES	
3.00	STORM SEWERS AND APPURTENANCES	
4.00	WATERMAIN AND APPURTENANCES	
5.00	GENERAL ITEMS	
6.00	PROVISIONAL ITEMS	
	SUB-TOTAL	
	CONTINGENCY (10%)	
	HST (13%)	
	TOTAL	

Note: The Contractor agrees that they are not entitled to payment of Provisional Items or Contingency except for additional work carried out by the Contractor in accordance with the Contract as directed by the Contract Administrator in writing and only to the extent of such additional work.

TENDER FORM

SCHEDULE OF ITEMS AND PRICES – STEWART STREET (2027 CONSTRUCTION)

***Stewart Street Construction is tentatively scheduled for 2027 pending council approval, based on total contract value, the Town may elect to commence construction of Stewart Street within 2026. Costs should be provided for both options.**

“Spec. No.:" - refers to the applicable most recent issue of the Ontario Provincial Standard Specifications (OPSS.MUNI) or Ontario Provincial Standard Drawings (OPSD).

“SP” - refers to Special Provisions

“LS” - refers to a Lump Sum bid

“m³” - refers to cubic metres

“m²” - refers to square metres

“m” - refers to linear metres

“t” - refers to tonnes

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
1.00 ROAD CONSTRUCTION						
1.01	SPI-M	Mobilization/Demobilization	L.S.	1		
1.02	206, 510 SPI-206-1	Earth Excavation Grading	m ³	506.18		
1.03	206, 510, SPI-206-3	Rock Excavation and Removals	m ³	150		
1.04	310, SPI- 310-1	Road Surface Course 40mm Depth (Hot Mix HL 3/ Superpave 12.5mm Top) -YEAR 2028	t	96.62		
1.05	310, SPI- 310-2	Road Base Course 50mm Depth (Hot Mix HL 8/ Superpave 19.0mm Base)	t	120.78		
1.06	310, SPI- 314-1	Granular "A" - Road (150mm)	t	372.05		
1.07	310, SPI- 314-1	Granular "B" - Road (375mm)	t	744.10		
1.08	311, SPI- 311-1	Asphalt Driveways (Hot Mix HL 3 / Superpave 12.5 - 50mm Depth)	m ²	89.60		
1.09	355, SP, 510	Remove, Salvage, and Replace Interlocking Stone Driveways/Walkways	m ²	55.60		
1.10	SPI-HP	Protect and Support Existing Hydro Pole	Ea.	5		
1.11	510, SPI-TR	Remove Existing Tree	Ea.	1		
1.12	801	Protect and Support Existing	Ea.	9		

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		Tree				
1.13	51, SPI-351-1	Concrete Sidewalk/Walkway	m ²	216.13		
1.14	351	Tactile Walking Surface Indicators for Sidewalk	Sets	3		
1.15	353, SPI-353-1	Concrete Curb and Gutter as per Town of Perth DWG RD-02	L.m.	223.72		
1.16	510, SPI-510-1	Removal of Asphalt (Full Depth) (Roadway)	m ²	881.60		
1.17	510, SPI-510-1	Removal of Asphalt (Full Depth) (Driveways, Sidewalks & Boulevards)	m ² (P)	137.12		
1.18	510	Saw-cutting of Asphalt/Concrete	L.m.	53.00		
1.19	510, SPI-510-1	Removal of asphalt by dry grinding (50mm depth) 0.5m wide step joint	m ²	26.50		
1.20	510	Remove Granular Driveways and Pathway	m ² (P)	11.80		
1.21	510	Removal of Concrete Sidewalk/Walkways (All Types)	m ² (P)	65.15		
1.22	510	Removal of Curb (All Types)	L.m.	205.40		
1.23	510, SPI-SIGNS	Remove, Salvage and Reinstall Sign	Ea.	1		
1.24	710, SPI-710-1	Final Pavement Markings	L.S.	1		
1.25	SPI-802/803-1	Nursery Sod c/w watering - Boulevard and lawn restoration(inc. 100mm Depth Topsoil)	m ²	482.00		
1.26	510	Remove, Salvage & Reinstall existing board fence	L.S.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				1.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
2.00 SANITARY SEWERS AND APPURTENANCES						
2.01	410	Locate and Connect to Existing Sanitary Mains or manhole	Ea.	3		
2.02	410, SPI-410-2	125mmØ PVC SDR-28 Sanitary laterals, including connection to property service or cap at property	Ea.	6		

TENDER FORM

		line				
2.03	410	300mmØ PVC SDR-35 Gravity Sanitary Sewer	L.m.	122.14		
2.04	407, SPI-407-1	New 1200mmØ Sanitary Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	2		
2.05	409, SP1-409-1	Cleaning and Closed Circuit Television Inspection of Sanitary Sewer	L.m.	122.14		
2.06	510, SPI-510-2	Removal of Sanitary Sewers	L.m.	122.14		
2.07	510, SPI-510-3	Removal of Sanitary Manhole	Ea.	1.00		
2.08	408, SPI-408-1	Adjust Sanitary Manhole frame and covers (base asphalt to final lift)	Ea.	2		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
				2.00 SUB-TOTAL		

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
3.00	STORM SEWERS AND APPURTENANCES					
3.01	410	Locate and Connect to Existing Storm Sewer or manhole	Ea.	1		
3.02	407, SPI-407-1	1200mmØ Storm Manhole as per OPSD 701.010 (inc. Frames & Grates as per OPSD 401.010 Type A)	Ea.	3		
3.03	410, SPI-410-1	200mm PVC DR-35 CB Leads	L.m.	29.40		
3.04	407, SPI-407-1	New Catch Basin (600mm x 600mm) as per OPSD 705.010 (inc. Frames & Grates as per OPSD 400.020)	Ea.	5		
3.05	410, SPI-410-1	New 300mmØ Storm Sewer PVC DR 35	L.M.	99.10		
3.06	410, SPI-410-1	New 450mmØ Storm Sewer RCP class 65D or PVC DR 35	L.M.	11.23		
3.07	409, SP1-409-1	Cleaning and Closed Circuit Television Inspection of Storm Sewer	L.m.	110.33		

TENDER FORM

3.08	405, SPI-405-1	150mm Perforated Subdrains	L.m (P)	223.72		
3.09	510, SPI-510-3	Removal of Existing Catchbasin inc. Leads	Ea.	2		
3.10	510, SPI-510-3	100mm Storm Laterals PVC DR 28, including connection to property service or cap at property line	Ea.	7		
3.11	SP-INS	Rigid Insulation (50mm Thick)	m ²	60		
3.12	408, SPI-408-1	Adjust Storm MH & Catchbasins (base asphalt to final lift)	Ea.	10		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						
3.00 SUB-TOTAL						

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
4.00	WATERMAIN AND APPURTENANCES					
4.01	441, SPI-441-1	200mmØ PVC Class150 DR18 Watermain including all appurtenances	L.m.	102.36		
4.02	441, SPI-441-1	250mmØ PVC Class150 DR18 Watermain including all appurtenances	L.m.	19.95		
4.03	510, SPI-510-2	Removal of Existing Watermain	L.m. (P)	69.75		
4.04	441, SPI-441-1	Locate and Connect to Existing Watermain	Ea.	3		
4.05	441, SPI-441-2	250mm Gate Valves and valve boxes	Ea.	2		
4.06	441, SPI-441-2	200mm Gate Valves and valve boxes	Ea.	1		
4.07	441, SPI-441-1	New Fire Hydrant (inc. Lead, Valve & Appurtenances)	Ea.	1		
4.08	441, SPI-441-1	19mmØ type "k" copper Water Service (inc. Saddle, Curb Stop & appurtenances)	Ea. (P)	6		
4.09	441, SPI-441-1	Testing of Watermain (Pressure Testing, Chlorine Residual Testing)	L.S.	1		
4.10	441, SPI- 441-1	Adjust Gate Valve (all sizes) base asphalt to final lift	Ea.	3		
4.11	441, 442, SPI-442-1	Cathodic Protection	L.S.	1		
SP - Special Provisional Item, Prov - Provisional Item, (P) - Plan Quantity						

TENDER FORM

		4.00 SUB-TOTAL	

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
5.00 General Items						
5.01	SP-GEN	Bonding and Insurance	L.S.	1		
5.02	SP-GEN	Pre-Condition Survey	L.S.	1		
5.03	706, SPI-TCP	Traffic Control Plan	L.S.	1		
5.04	SPI-SPCP	Construction Site Pedestrian Control Plan	L.S.	1		
5.05	805, SPI-805-1	Environmental Protection	L.S.	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
					5.00 Subtotal	

ITEM #	Spec No.	DESCRIPTION	UNIT	QTY.	UNIT PRICE	TOTAL
6.00 Provisional Items						
6.01	SP-GEN, PROV	Hourly Rate - Foreman	hr.	20		
6.02	SP-GEN, PROV	Hourly Rate - Operator	hr.	20		
6.03	SP-GEN, PROV	Hourly Rate - Truck Driver	hr.	20		
6.04	SP-GEN, PROV	Hourly Rate - Pipe Layer	hr.	20		
6.05	SP-GEN, PROV	Hourly Rate - Labourer	hr.	20		
6.06	310,PROV	Tack Coating (Application Rate 0.2kg/m2)	m ²	1078.40		
6.07	506,PROV	Dust Suppressants - Calcium Chloride Flake	kg	150		
6.08	SPI-HYD	Hydrovac allowance	hr.	20		
6.09	517,518	Dewatering of Trenches	L.S.	1		
6.10	511, SPI-314-2	Non-Woven Geotextile below Granular B	m ² (P)	1212.63		
6.11	SPI-401-03, PROV	Backfill with SSM	t	1		
6.12	SPI-TR	Tree Limbing	L.S.	1		
SP – Special Provisional Item, Prov – Provisional Item, (P) – Plan Quantity						
					6.00 Subtotal	

SUMMARY - STEWART STREET (2027 CONSTRUCTION)

SECTION	DESCRIPTION	TOTAL AMOUNT
1.00	ROAD CONSTRUCTION	
2.00	SANITARY SEWERS AND APPURTENANCES	
3.00	STORM SEWERS AND APPURTENANCES	
4.00	WATERMAIN AND APPURTENANCES	
5.00	GENERAL ITEMS	
6.00	PROVISIONAL ITEMS	
	SUB-TOTAL	
	CONTINGENCY (10%)	
	HST (13%)	
	TOTAL	

Note: The Contractor agrees that they are not entitled to payment of Provisional Items or Contingency except for additional work carried out by the Contractor in accordance with the Contract as directed by the Contract Administrator in writing and only to the extent of such additional work.

2026 RECONSTRUCTION SUMMARY

SECTION	DESCRIPTION	GRAND TOTALS (CONTINGENCIES & HST INCL.)
1.00	ROBINSON STREET	
2.00	THOMAS AVENUE	
3.00 A	STEWART STREET (2026 CONSTRUCTION)	
	GRAND TOTAL	

2026-2027 RECONSTRUCTION SUMMARY

SECTION	DESCRIPTION	GRAND TOTALS (CONTINGENCIES & HST INCL.)
1.00	ROBINSON STREET	
2.00	THOMAS AVENUE	
3.00 B	STEWART STREET (2027 CONSTRUCTION)	
	GRAND TOTAL	

TENDER FORM

SCHEDULE OF FORCE ACCOUNT RATES

The following personnel and equipment rates will form the basis of payment for force account work carried out in accordance with the General Conditions.

Personnel

List by Occupation	Hourly Rate	Overtime Hourly Rate
Superintendent		
Foreman		
Labourer		
Equipment Operator		
Construction Surveyor / Grade Man		
Truck Hauler		
Flag Person		
OTHER (List)		

Equipment: (COMPLETE WITH OPERATOR)

Description	Model and Size	Hourly Rate
Grader		
Bulldozer		
Excavator – Track Mounted		
Backhoe – Rubber Tire		
Tandem Dump Truck		
Gradall		
Tractor loader / Rubber Tire Backhoe		
Excavator with Mechanical Breaker		
Rubber Tire Backhoe with Mechanical Breaker		
Vibratory Compactor – Roller		
OTHER (List)		

TENDER FORM

I/We hereby agree that the work specified in this Contract will be performed in strict accordance with the following provisions, plans, specifications, and conditions:

GENERAL CONDITIONS OF THIS CONTRACT

OPSS 100 Muni. General Conditions (November 2019) (as modified under the Special Provisions General).

SPECIAL PROVISIONS - GENERAL

Special Provisions - General Special Provisions

SUPPLEMENTAL SPECIFICATIONS AND APPROVED PRODUCTS– TOWN OF PERTH

Any reference to specification section OPSS 701 is deemed to refer to section OPSS 441 – Construction Specifications for Watermain installation in Open Cut (November 2016)

PLANS

Complete set of issued for tender drawings prepared by Aplin Martin Consultants. – Robinson Street, Stewart Street and Thomas Avenue Reconstruction

ONTARIO PROVINCIAL STARDARD DRAWINGS

The following is a list of OPSD's that apply to the Contract. This table does not include all OPSD's that may apply. As part of this contract, all relative OPSD's apply unless otherwise indicated.

OPSD	DATE
216.021	November 2023
310.010	November 2019
310.020	November 2019
310.033	November 2019
310.039	November 2019
310.040	November 2019
310.050	November 2019
351.010	November 2018
400.020	November 2018
401.01 (Type A)	November 2018
608.010	November 2012
701.011	November 2014
701.021	November 2019
705.010	November 2019
708.020	November 2021
701.010	November 2019
701.100	November 2018

OPSD	DATE
704.010	November 2018
708.010	November 2016
803.030	November 2020
803.031	November 2020
810.010	November 2018
1003.031	November 2021
1103.01	November 2018
1104.01	November 2018
1105.01	November 2018
1109.011	November 2020
1109.025	November 2015
1109.030	November 2020
DRAWING	DATE
Corporation of the Town of Perth Standard Drawings Full Set	December 2007

TENDER FORM

ONTARIO PROVINCIAL STANDARD SPECIFICATIONS

The following is a list of OPSS's that apply to the Contract. As part of this contract, all related or referenced OPSS's may apply unless otherwise specified.

OPSS	DATE
102	November 2018
120	November 2019
127	July 2025
128	April 2006
180	November 2021
182	November 2021
201	April 2019
202	November 2022
206	April 2019
212	November 2019
310	November 2017
311	November 2018
313	April 2021
314	November 2023
351	November 2021
353	November 2021
355	November 2020
401	November 2018
402	November 2016
403	November 2023
405	November 2017
407	November 2021
408	December 2021
409	November 2023
410	November 2018
411	November 2021
441	November 2016
442	November 2020
491	November 2017
492	November 2020
493	November 2019

OPSS	DATE
501	November 2017
506	November 2017
510	November 2018
511	November 2019
517	November 2021
703	April 2019
706	April 2018
710	November 2021
801	November 2019
802	November 2019
803	November 2018
805	November 2021
904	November 2023
1001	November 2021
1002	November 2013
1003	November 2013
1010	November 2013
1101	November 2016
1103	November 2019
1150	November 2020
1151	April 2018
1350	November 2023
1359	November 2016

TENDER FORM

NOTE: It will be the Contractor's responsibility to obtain the current copies of the Ontario Provincial Standard Specifications and General Conditions listed above, which form part of the Contract.

Signatures

This Tender Form is executed at _____ of _____ in
the
County of _____ this _____ day of _____
20__.

Signature of Authorized Person
Signing for Contract
(Company Seal)

Witness and Position Held

THIS IS THE _____ LAST PAGE OF THE TENDER FORM TO BE SUBMITTED AS YOUR
TENDER FOR CONTRACT No. ES-2026-03

CONTRACT AGREEMENT

THIS **AGREEMENT** made in quadruplicate this _____ day of _____ in the year 20_____.

Between _____ of the Province of Ontario.

Hereinafter called the "Contractor"

THE PARTY OF THE FIRST PART

And

THE CORPORATION OF THE TOWN OF PERTH

Hereinafter called the "Town"

THE PARTY OF THE SECOND PART

WITNESSETH, that the party of the first part, for and in consideration of the payment or payments specified in the Tender for this work, hereby agrees to furnish all necessary machinery, tools, equipment, supplies, labour and other means of construction and, to the satisfaction of the Director of Corporate and Environmental Services, to do all the work as described hereafter, furnish all the materials except as otherwise specified, and to complete such works in strict accordance with the plans, specifications and Tender hereafter, which are identified and acknowledged in the Schedule of Provisions, Plans, Specifications and Conditions attached to the Tender and all of which are to be read herewith and form part of the present Agreement as fully and completely to all intents and purposes as though all the stipulations hereof have been embodied herein.

Description of the Works for Contract No. ES-2026-03

Phase 1- 2026 Construction

Robinson Street reconstruction works include, but not limited to, the reconstruction of approximately 150 m of local residential road, replacement of cast iron watermain, concrete sanitary sewer, and addition of a storm sewer.

Thomas Avenue reconstruction works include, but not limited to, the reconstruction of approximately 140 m of local residential road, the addition of a watermain, replacement of PVC & AC sanitary sewer, replacement of PVC storm sewer.

Phase 2- 2027 Construction *

Stewart Street reconstruction works include, but not limited to, the reconstruction of approximately 110 m of local residential road, replacement of copper watermain, clay sanitary sewer, and addition of storm sewer.

***Phase 2 Construction tentatively scheduled for 2027 pending council approval, based on total contract value, the Town may elect to commence construction of Phase 2 within 2026. Costs should be provided for both options.**

The Contractor further agrees that he will deliver the whole of the works completed in accordance

CONTRACT AGREEMENT

with the Agreement within the time stipulated in the Special Provisions entitled "Progress of the Work and Time for Completion".

The Contractor further agrees that any monies due to the Town as a result of non-completion of the works within the time stipulated may be deducted from any monies due to the Contractor on any account whatsoever.

CONTRACT AGREEMENT

IN CONSIDERATION WHEREOF, said party of the second part agrees to pay the Contractor for all the work done under the unit prices of the Tender.

This agreement shall inure to the benefit of and be binding upon the heirs, executors, administrators and assigns of the parties hereto.

IN WITNESS WHEREOF, the Contractor and the Town have hereto signed their names and set their seals on the day first above written.

Signature of Corporation
Seal of Corporation

Signature of Contractor

Witness and Position Held

J. Brown, Mayor

A.Noel, Clerk
Signatures of designated Municipal
Officer and Corporate Seal

1. DESCRIPTION

The work described within these documents includes the following:

Robinson Street reconstruction works consist of but are not limited to, the reconstruction of approximately 150 m of local residential road, replacement of cast iron watermain, concrete sanitary sewer, and addition of a storm sewer.

Thomas Avenue reconstruction works consist of but are not limited to, the reconstruction of approximately 140 m of local residential road, the replacement of PVC and cast iron watermain, replacement of PVC and AC sanitary sewer, replacement of PVC storm sewer.

Stewart Street reconstruction works consist of but are not limited to, the reconstruction of approximately 110 m of local residential road, replacement of watermain, sanitary sewer, and addition of storm sewer.

2. CLARIFICATION

It will be the Contractor's responsibility to clarify with the Engineer any questions or concerns relating to details contained within the contract documents, plans and accompanying reports before advancing with construction of the works. All questions raised will be promptly investigated by the Contract Administrator and reported back to the Contractor prior to advancement of the work.

3. DEFINITION OF OWNER AND ENGINEER

Owner or **Town** or Corporation means the Town of Perth.

Engineer or **Works Inspector** or **Contract Administrator** means the Director, Environmental Services, or his designate.

4. GENERAL CONDITIONS OF THE CONTRACT

The requirements of OPSS 100 Muni. General Conditions (November 2019) shall apply to this contract.

5. PROGRESS AND TIME FOR COMPLETION

5.1. Time

Time shall be of the essence of this agreement.

5.2. Progress and Time for Completion

It is a requirement of this contract that all servicing and road works be completed according to the following schedule:

Phase 1- Robinson Street and Thomas Avenue:

- All Concrete works, interlocking pavers and base course paving to be

completed prior to **September 28th, 2026**. Surface course asphalt by **June 14th, 2027**.

Phase 2- Stewart Street:

- **For construction commencing in 2026:** All Concrete works, interlocking pavers and base course paving to be completed prior to **September 28th, 2026**. Surface course asphalt by **June 14th, 2027**.
- **For construction commencing in 2027:** All Concrete works, interlocking pavers and base course paving to be completed prior to **September 27th, 2027**. Surface course asphalt by **June 16th, 2028**.

All schedules are based on the assumption that a Notice of Award will be issued by **April 24, 2026**, and will be modified based on equivalent days past April 24, 2026.

If this completion date is not sufficient to permit completion of the work by the Contractor working a normal number of hours each day or week on a single daylight shift basis, it is expected that additional and/or augmented daylight shifts will be required throughout the life of the contract to the extent deemed necessary by the Contractor to ensure that the work will be completed within the limit specified. No additional compensation will be allowed.

The Contractor shall prepare a work schedule and supply the required labour and equipment to complete the contract substantially on or before the dates outlined above.

5.3. Time Extensions

If the Contractor is delayed in completion of the work,

- a. by reason of changes or alterations made under section GC 3 of the General Conditions;
- b. by reason or any breach of contract or prevention by the Corporation of other Contractor's of The Corporation to carry out work;
- c. by reason of delay by the Corporation in issuing instructions or information in delivering materials;
- d. by any other act of neglect of the Corporation or any other Contractor of the Corporation or any employee of any one of them;
- e. for any cause beyond reasonable control of the Contractor; or
- f. by Acts of God, or of the Public Enemy, Acts of the Province or any Foreign State, Fire, Flood, Epidemics, Quarantine, Restrictions, Embargoes, or delays of Sub-Contractors due to such cause.

The time of completion may be extended in writing at any such time of such terms and for such period as shall be determined by the Contract Administrator, and notwithstanding such extensions, time shall continue to be deemed of the essence for this contract.

An application by the Contractor for any extension of time as herein provided shall be made to the Corporation in writing at least fifteen (15) days prior to the date of completion fixed by the Contract. All Bonds or other Surety furnished to the Corporation by the Contractor shall be amended where necessary at the expense of the Contractor to provide coverage beyond the

date of any extensions of time granted, and the Contractor shall furnish the Corporation with evidence of such amendment of the Bonds or other Surety.

5.4. Liquidated Damages

It is agreed by the parties in the contract that in case all work called for under the Contract is not finished or completed within the date as set forth in the Special Provisions, damage will be sustained by the Corporation and that it is said will be impracticable and extremely difficult to ascertain and determine the actual damage which the Corporation will sustain in the event of and by any reason of such delay and the parties here to agree that the Contractor will pay to the "Corporation" the sum of **One Thousand Dollars (\$1,000.00)** for liquidated damages for each and every calendar days delay in finishing the work beyond the noted completion date, and it is agreed that this amount is an estimate of the actual damage to the Corporation which will accrue during the period in excess of the prescribed completion date.

The Corporation may deduct any amount due under this paragraph from any monies that may be due or payable to the Contractor on any account whatsoever. The liquidated damages payable under this paragraph are in addition to and without prejudice to any other remedy, action or other alternative that may be available to the Corporation. The Contractor shall not be assessed with liquidated damages for any delay caused by Acts of God, or of the Public Enemy, Acts of Province or any Foreign State, Fire, Flood, Epidemics, Quarantine Restrictions, Embargoes or any delays of Sub-Contractor's due to such causes.

6. THE "CONTRACTOR'S SCHEDULE OF WORK"

Forthwith upon award of this Contract the Contractor shall prepare a "Contractor's Schedule of Work. The "Contractor's Schedule of Work" will be completed by the Contractor and remitted to the Corporation with his/her signed contract documents for execution by the Corporation.

7. MATERIALS – SUPPLY OF MATERIALS

The Contractor shall be responsible for supplying materials required to complete the work in accordance with the specifications. The source of supply and quality of all materials supplied by the Contractor must be approved by the Town prior to their use in the contract.

8. ONTARIO PROVINCIAL STANDARDS

Ontario Provincial Standard Specifications (OPSS) and Ontario Provincial Standard Drawings (OPSD) form part of this contract.

9. CONTRACTOR'S RESPONSIBILITY FOR DAMAGES

Section G.C.7.0.4 of the Ontario Provincial Standards – General Conditions is amended by the addition of the following:

DUST CONTROL – The Contractor shall take such steps as may be required to prevent dust nuisance wherever it would affect traffic or cause damage or discomfort to residents of the area

in which the work is being carried out.

Where the work requires sawing of asphalt or sawing or grinding of concrete, blades or grinders of the wet type shall be used together with sufficient quantities of water to prevent the incidence of dust.

The Corporation shall bear the cost of water authorized by the Contract Administrator and placed within the limits of this Contract as a deterrent to dust nuisance or for compaction requirements. On all other roads used by the Contractor in performance of the works described in the tender items, he shall be responsible for all costs incurred with keeping dust nuisance to levels acceptable to the Town.

Where the work results in tracking of mud onto adjacent roadways, the Contractor shall immediately remove such materials and ensure a continuous clean surface on the adjacent roadway as directed by the Town.

10. LIMITATIONS OF OPERATIONS

Subsection G.C. 7.07 of the OPSS General Conditions is amended by the addition of the following:

The Contractor shall co-operate with other Contractor's, utility companies and the Corporation and they shall be allowed free access to their work at all times. The Town reserves the right to alter the method of operations on this Contract to avoid interference with other work.

11. SALES TAX

13% HST shall apply.

12. UTILITIES AND SURVEY MONUMENTS

The attention of bidders is drawn to the presence of utility pole lines and underground utilities on this contract. It is the responsibility of the Contractor to investigate the location of, and assume all liability for damage to all utilities, services and structures whether above or below grade before commencing and during the work. Information regarding work restrictions around each active utility may be obtained by the Contractor by consulting directly with each of the respective utility companies. The location and depth of underground utilities and services shown on the Plans are based on information made available to the Owner. However, no responsibility will be assumed by the Owner for the correctness or completeness of the Plans with respect to existing public utilities and services whether underground or on the surface. It is the Contractor's responsibility to contact the Municipal Authorities and/or Utility Companies for further information in regard to the exact location of these utilities and services.

The Contractor shall not make any claim against the Owner for damages or extra work caused or occasioned by his relying upon such records, reports or information, either as a whole or in part, furnished by any civic department, or commission, private company or individual.

The Contractor shall protect all legal survey bars and monuments. Should any bars or monuments be damaged during the course of the work, the Contractor shall engage the services of an Ontario land surveyor to reset the damaged bar or monument. The Contractor shall pay all costs for such work.

13. HAUL ROADS

No payment shall be made for materials placed and work performed in accordance with the requirements of this section.

14. CONTRACTOR'S NOTICE TO RESIDENTS

The Contractor must provide each household and/or business on every street covered by the Contract with a copy of a letter as shown below. This letter, complete in every detail and written on letterhead paper, shall be delivered by the Contractor to each home and/or business prior to commencement of work and the Town must be informed by letter when such notification has been served.

(Example Letter) Name of Contractor Date:

Attention: Resident/Occupant

The firm of _____ Construction Company has been engaged by the Town of Perth to construct _____ (list of works) on your street. It is proposed that this construction will commence on or after (estimated start date).

Should you require any information or assistance because of our construction please call our office at _____. As part of our contract, our company is assuming all responsibility for the construction work until it is completed in entirety. It would be appreciated if you can direct any calls or concerns to our office in order that we can address the concern as quickly as possible,

Yours truly,
Signed by Contractor

15. MAINTENANCE OF TRAFFIC

The Contractor shall provide the appropriate traffic control signage and/or appropriately attired flag persons, as required during the course of construction to comply with the safety requirements of latest edition of the MTO publication "Book 7 - Ontario Traffic Manual Temporary Conditions". All traffic control plans which provide direct impact on County Road corridors located within the Town of Perth must be approved by the County of Lanark. Should Police services be required to assist with traffic control costs will be included in this contract.

The Contractor must provide access for emergency services and one lane of local traffic at all times unless exempted by the Corporation. If during the course of the work, significant excavations necessitate lane closures, the Town of Perth will authorize the closure provided that 48 hours' notice is provided to enable the appropriate notices to be released to emergency services.

When in accordance with Section G.C.7.0.7 of the OPSS General Conditions, it is the Contractor's responsibility to maintain a road throughout the work, the Contractor shall supply at his expense, all labour, equipment and material to maintain the road in a satisfactory condition except that when required for normal maintenance purposes the supply and placing of Granular A and bituminous patching materials, will be paid for at the appropriate Tender unit prices. Where a Contractor has constructed detours which are not called for in the Contract and where labour, equipment and material are required to effect repairs to such detours due to failure of the roadbed, such work will not be considered as normal maintenance but as part of the cost of construction, and all such work will be at the Contractor's expense.

16. TRAFFIC AND STREET NAME SIGNS

The removal and replacement of existing street signs and parking meters shall be the sole responsibility of the Corporation under this Contract. Once the affected areas are satisfactorily complete, the Town of Perth or its subcontractors shall be granted unobstructed access to the work site to carry out all necessary signage.

17. RESTRICTIONS ON OPEN BURNING

Open burning will not be permitted under this contract.

Arrangements shall be made by the contractor to dispose of all brush and clean wood debris at the Town's landfill site on Wildlife Road during normal operating hours of the facility. Payment for disposal will be included under the applicable tender item.

18. ENGINEERING FIELD OFFICE

N.A.

19. SANITARY FACILITIES

Clean, sanitary bathroom accommodations shall be provided on site and shall be located and maintained such that they are not offensive to any property owner or member of the public. All bathroom locations shall be pre-approved with the Works Inspector.

20. SAFETY

The Contractor shall submit a WSIB Certificate of Clearance prior to commencing work. Additional certificates of clearance may be requested before the release of any holdback.

The Contractor assumes full responsibility for conforming with all legislation regarding the safety of his employees and the public on this contract, and all notices required to comply with the legislation. The Contractor will be deemed to be the "Constructor" for the duration of this contract.

21. WORK HOURS

The Contractor shall not work on Saturdays, Sundays and Statutory Holidays on this contract without permission from the Town, unless working on these days is stipulated elsewhere in this contract.

Where the Contractor decides to work with the Town's approval, on a Saturday, Sunday or a Statutory Holiday, the Contractor shall pay to the Town any costs incurred by the Town for providing the supervisory staff deemed necessary by the Town.

22. NOTIFICATIONS

The Contractor shall notify the Police, Board of Education, Fire Departments and Ambulance Services 48 hours in advance of closing any roadway to traffic. Notification shall be given by delivering a sketch plan of the Town of Perth showing the portion of roadway to be closed to traffic together with an indication of the duration of the closure.

23. GARBAGE COLLECTION

If the occupation of a street by the Contractor prevents, in the opinion of the Town, the Municipality's waste collection contractor from carrying out the collection of garbage, green bin and/or recyclables on his regular route, the Contractor shall remove the garbage from the area to the garbage disposal site at his expense or make arrangements with the Town's waste collection contractor to have garbage, green bin and/or recyclables set out in designated areas with containers returned to the correct property owner.

24. RAILWAY REGULATIONS

The Contractor must maintain at all times, any and all construction clearances which may be required by the Canadian Pacific Railway Company.

25. UNIT OF MEASUREMENT

All items are estimated in metric units as are specifications and standards.

26. PAYMENTS

Except as herein provided, payments under this contract will be made in accordance with Section G.C.8.0.2 of the OPSS General Conditions. The cut-off date for measurement of quantities for payment purposes will be the 25th day of the month. Payment will be made on or before the 30th day of the following month.

27. LOCATION AND STORAGE OF MATERIALS AND EQUIPMENT

Materials and/or equipment shall not be stored within 4 m of the travelled portion of any roadway.

Notwithstanding the foregoing, the Contractor shall, at his own expense, remove any equipment or materials which, in the Contract Administrator's opinion, constitute a traffic hazard.

28. CLEAN UP

The Contractor shall thoroughly remove asphaltic and other discarded materials which may have been placed along the roadway during the performance of the work. Cleanup will be done to the satisfaction of the Works Inspector.

29. PROPERTY OWNER'S RELEASE (PRIVATE LAND USED BY THE CONTRACTOR)

Upon completion of the contract, the Contractor shall provide the Town with two (2) copies of a form of release signed by each property owner, upon whose land he entered for any purpose in conjunction with the contract. A sample release letter is as follows:

Date:

To: Mr. Grant Machan, C.E.T.
Director Environmental Services,
Town of Perth
80 Gore Street East
Perth, ON K7H 1H9

Re: Contract No. ES-2026-03

Dear Sir:

I hereby certify that (Name of Contractor) has fulfilled the terms of our agreement and has left my property in a satisfactory condition. I have accepted their final payment and release (Name of Contractor) and the Corporation of the Town of Perth from further obligations.

Yours very truly,

Signature

Property Owner's Name: _____

Address: _____

PLEASE COMPLETE THE ABOVE IN PRINTING

Final payment will not be released to the Contractor until all the applicable forms of release have been signed by the property owners and received by the Town.

30. PREVENTION OF DAMAGE

The failure of the Town to order necessary precautionary measures, protective works or any other requirements shall not relieve the Contractor of the responsibility for the prevention of damage to the project, buildings, or other surface or sub-surface structures, or for accidents to persons, whether employed on the project or not, which might result from such failure to install, place or use such precautionary measures, protective works or other precautionary measures, protective requirements shall not relieve the Contractor from any of his responsibilities under this Contract.

31. INSURANCE

The Contractor's attention is drawn to the requirements of Section GC 6.03. Subsection G.C. 6.03.02 of the General Conditions is amended by the addition of the following: General Liability Insurance shall be in the name of the Contractor, with the Town of Perth as an additional Insured.

32. EMERGENCY AND MAINTENANCE MEASURES

Whenever the construction site is unattended by the general superintendent, the name, address, and phone number of a responsible official of the contracting firm, shall be given to the Contract Administrator. The official shall be available at all times and have the necessary authority to mobilize workmen and machinery to take any action as directed by the Contract Administrator in case emergency or maintenance measures are required; regardless of whether the emergency or requirement for maintenance was caused by the Contractor's negligence, act of God, or any cause whatsoever.

Should the Contractor be unable to carry out immediate remedial measures required, the Town will carry out the necessary repairs, the cost of which shall be charged to the Contractor.

33. SAMPLING AND TESTING

All mix designs, testing and sampling of asphalt, concrete and granular materials required on this project will be the responsibility of the Contractor and all results will be forwarded to the Town of Perth. Testing laboratory's will be the Contractor's choice but must be a Certified Member of the Canadian Council of Independent Laboratories. Refer to the Special Provisions – items for scope of quality assurance work.

34. GOVERNMENT REQUIREMENTS

The Contractor shall obey all Federal, Provincial and Municipal Laws, Acts, Ordinances, Regulations, Orders- In-Council and By-Laws which could in any way pertain to the work outlined in the Contract or the Employees of the Contractor, or Sub-Contractor.

35. LAYOUT

Section G.C. 7.0.2 of the OPSS General Conditions shall apply to this Contract. The Contractor shall provide at their expense all material, equipment and labor for all layout on this Contract.

Established alignment and grade control points within the contract limits will be reset by the Contractor if they are in danger of being destroyed. They will be reset to a location where they will be protected against damage. New data for the reset points will be given to the Contract Administrator.

36. PRE-BLAST SURVEY/PRE-CONSTRUCTION SURVEY

The Contractor shall provide a comprehensive pre-construction survey of all the buildings within 10 m of the Road property line. The pre-construction survey shall determine the Contractor's liability for damage and all damage attributed to the Contractor's operations shall be repaired at the Contractor's expense unless the damage can be shown to have existed prior to the Contractor's operations. If anyone beyond 10 m of the road property line shows concern or the Contractor feels there might be a problem, then these places shall also have a pre-construction survey.

If any blasting is to occur the contractor shall provide a comprehensive pre-blast survey of all buildings and wells within 100m of all blasting operations. The pre-blast survey shall determine the Contractor's liability for damage and all damage attributed to the Contractor's blasting operations shall be repaired at the Contractor's expense unless the damage can be shown to have existed prior to the Contractor's blasting.

When pre-construction and/or pre-blast surveys have been completed, the Contractor shall inform the Contract Administrator in writing of the properties in which the inspections were performed. On completion of the job, the Contractor shall provide the Contract Administrator with 2 copies of a signed release from the surveyed owners certifying their property has been left in a satisfactory condition.

37. MANAGEMENT AND DISPOSAL OF EXCAVATED MATERIALS

Details on the existing soils can be found in the attached Assessment of Past Uses reports and Geotechnical Investigations. Salt contamination is evident.

All concrete, asphalt and rock debris shall be removed from the site at the Contractor's expense and managed in compliance with the requirements for excess earth material, as specified OPSS 180 General Specification for Management of Excess debris.

Only trees, stumps and excess earth material will be accepted at the Town landfill at 666 Wildlife Road for disposal unless otherwise specified below.

Hours of Operation at the Landfill are:
Tuesday, Wednesday and Friday – 8am to 4:30pm
Saturday – 8:00 am to 12:00 pm.

The project meets an exemption as defined under O. Reg 406/19 - Excess Soil going to Owner's property. Therefore no sampling is required, there are no reports / planning requirements, and a Contractor's Excess Soil Reuse Plan is not required.

The location for disposal of excess soil is 666 Wildlife Road, which is accessible Tuesday, Wednesday and Friday 8am-4:30pm and Saturday 8am-12pm. Material delivered to the site is to be flattened by bulldozer, by the contractor at no additional cost.

The contractor is to provide hauling records and "excess soil quantity report" and applicable OPS180 Forms.

38. VERIFICATION OF EXISTING UTILITIES AND SERVICES

The Contractor shall confirm the location and depth of all underground utilities and services prior to full mobilization. No responsibility will be assumed by the Owner for the correctness or completeness of the plans with respect to existing public utilities and services whether underground or on the surface.

The Contractor shall not make any claim against the Owner for damages or extra work caused or occasioned by his relying upon such records, reports or information, either as a whole or in part, furnished by any civic department, or commission, private company or individual.

39. PROVISIONAL ITEMS AND QUANTITIES

The Provisional items and quantities set forth in the Schedule of Items and Prices are approximate only and may or may not be included in the works to be completed. If the quantity of work to be done and material to be furnished exceeds or is less than the quantities included in the Schedule of Items and Prices for the Provisional items, the Contractor shall proceed with the Contract and shall be paid for the work done and material furnished at the bid rates set forth in the Schedule of Items and Prices.

The Contractor shall not be entitled to any compensation for losses, damages, anticipated profits, or otherwise, as a result of any differences which may occur between the quantities of work actually done, or material actually furnished under this Contract and the provisional items and quantities shown in the Schedule of Items and Prices.

40. TERMINATION OF CONTRACT

GC 4.10 of the General Conditions of Contract is amended by the addition of the following:

- (a) The Owner may terminate the employment of the Contractor if the Owner certifies that sufficient cause exists to justify such action. Such termination of employment may be made:
- (i) If the Contractor should be adjudged as bankrupt, or
 - (ii) If he should make a general assignment for the benefits of his creditors, or
 - (iii) If a receiver should be appointed on account of his insolvency, or
 - (iv) If he should take the benefit of any Act relating to insolvent debtors, or
 - (v) If a winding-up order be made against the Contractor, or
 - (vi) If he should refuse or fail to supply enough plant, properly skilled labour or proper materials after having received seven (7) days' notice in writing from the owner to do

SPECIAL PROVISIONS - GENERAL

- so, or
- (vii) If he should fail to make prompt payment to subcontractors or suppliers, or
 - (viii) If he should persistently disregard laws, ordinances or the instructions of the Owner,
or
 - (ix) If he should otherwise be guilty of substantial violations of the provisions of the Contract.
- (b) Should the Owner terminate the employment of the Contractor, as provided in Subsection (a), it shall give the Contractor seven (7) days written notice of such termination of employment
- (c) Should the Owner terminate the employment of the Contractor, as provided in Subsection (a), it may take possession of the premises and of all materials and plant on the premises, and may finish the work by any method it may deem expedient, but without undue delay or expense. In such case, the Contractor shall not receive any further payment until the work is complete.
- (d) If the unpaid balance of the Contract price exceeds the expense of finishing the work (including compensation to the Owner for its additional services), such excess shall be paid to the Contractor. If such expense exceeds the unpaid balance, the Contractor shall pay the difference to the Owner. The additional expense incurred by the Owner due to the Contractor's default should be certified by the Owner.

41. USE OF WATER

Water supply for use under this contract can be accessed at the Water Treatment Plant located at 15 Sunset Boulevard. Fees for water use will be covered by the Town of Perth for this contract.

All water used for mixing of curing concrete or mortar shall conform to the requirements of OPSS 1302.

SPECIAL PROVISIONS - ITEMS

Special Provision SPI-M MOBILIZATION / DEMOBILIZATION

1. SCOPE

This specification covers the requirements for the Contractor's mobilization and demobilization

2. CONSTRUCTION

Payment at the Contract Price for the above tender item shall be full compensation for all labour, equipment, and material required to do the following work:

- Mobilization including set up of appropriate sanitary facilities and secure work areas;
- Transportation of equipment;
 - Provision of bonds and insurance;
 - Providing an initial construction schedule and updating it on a bi• weekly basis Site security;
- Utility locates/stakeout of existing utilities and services;
 - Coordination with the Town for protection of any temporary water services, to be installed by the Town;
 - Communications with property owners; Attendance at reconstruction site meetings;
 - Demobilization including removal of equipment, materials etc.

3. MEASUREMENT FOR PAYMENT

Measurement of Mobilization/Demobilization will be by the Lump Sum.

4. BASIS OF PAYMENT

Partial payments will be made on the following basis:

- 50% of the tender amount shall be paid upon providing satisfactory proof of bonds and insurance, mobilization and providing an initial construction schedule.
- The remaining 50% will be prorated over the length of the construction period and shall be subject to providing updated Construction Schedule to the satisfaction of the Contract Administrator.

This item applies to all components of the Contract

Special Provision SPI-TR TREE REMOVAL AND TREE LIMBING

1. SCOPE

This specification covers the requirements for the Tree Removal including removal of stump and Tree Limbing.

Amendment to OPSS.MUNI 201 Construction Specifications for Clearing and Grubbing

201.07.01 General

Trees noted for removal shall be cut and removed from site.
Topsoil and sod is to be used to fill the cavity is to be paid under applicable tender item.

Disturbance to existing trees that are to remain is to be minimized. The contractor is to review the proposed locations where branches are to be limbed to address conflict with construction activities. The contractor is to retain an arborist to provide recommendations on limbing and any mitigation measures to protect the tree.

This item shall include the removal of trees, stumps, as indicated by the Contract Drawings and limbing (removal and disposal off site of limbs, arborist fees, and any mitigation requirements) where there are conflicts with construction activities.

201.09 MEASUREMENT FOR PAYMENT

201.09.01.01.02 By Each

This item will be paid lump sum and will include all costs associated with the work.

Special Provision SPI-206-1 EARTH EXCAVATION – SPI-206-1

Amendment to OPSS.MUNI 206 Construction Specification for Grading

206.07.03 Earth Excavation, Grading

206.07.03.01 General

Section 206.07.03.01 is amended by the addition of the following;

This item shall include all excavation of material to bottom of road subgrade,

Section 206.07.01.04 Management of Excavated Material is deleted and replaced with the following: All excavated materials surplus to fill requirements must be disposed of off-site by the Contractor in accordance with OPSS 180. Refer to Special Provision - General – Management and Disposal of Excess Material.

Section 206.07.01.07 Tolerances for Earth is amended as follows:

The requirement for compaction is added, with the removal of the first line and replacement with:

“All earth grade surfaces shall, on completion, be shaped and compacted to the grades and cross sections specified in the Contract Documents within the following tolerances:”

Section 206.09 Measurement for Payment is deleted.

Section 210.10.01 Earth Excavation, Grading - Item is amended by deleting the first and second paragraph and replacing it with the following:

Payment at the cubic meter Contract price for the above tender items will be full compensation for all labour, equipment and materials to do the work.

Special Provision SPI-206-3 ROCK EXCAVATION AND REMOVAL

206.07.05 Rock Excavation, Grading (Rock Excavation and Removal)

206.07.05.01 General

Section 206.07.05.01 is amended by the addition of the following:

The depth of rock shown on the contract drawings is for information only. The Contractor shall verify the location and volume of rock to be excavated with the contractor administrator.

1. SCOPE

This special provision covers the rock excavation requirements for grading road and boulevard, and the installation of sanitary and storm pipe sewers and associated appurtenances, and watermains and associated appurtenances; underground utilities; and maintenance holes, catch basins, ditch inlets, fire hydrants, and services in open cut.

2. CONSTRUCTION

For rock excavation grading OPSS 202 shall apply except as amended or extended herein.

For services trenches rock excavation OPSS 403 shall apply except as amended or extended herein.

Any work related to blasting shall be carried out in accordance with OPSS 120.

Prior to rock excavation, of any method, contractor shall complete a pre-blast survey of the working area per OPSS 120 and all noted planning, monitoring, and reporting requirements. Vibration monitoring is required for all rock removal. Two copies of the pre-blast survey are to be provided to the Contract Administrator. A blasting plan, copy of insurance with the Town of Perth named as additionally insured, and proof of blaster's experience including any relevant certifications held are to be provided to the contract administrator prior to any blasting activities.

The Contractor shall not be paid for over-excavation, as determined by the Contract Administrator. If over-excavation occurs, the respective granular quantities will be deducted from the items.

The Contractor shall manage their excavation fill and grading operations to ensure that sufficient quantities of fill are available for areas requiring it inside the construction limits.

Where rock is within 450mm (vertically) of proposed finished surfaces to be landscaped, rock shall be excavated so that non-granular earth fill material can be placed. Available earth

excavation shall be used to fill any voids in landscaped areas. There will be no separate payment for earth fill.

3. BASIS OF PAYMENT

Payment at the Contract price for the applicable tender item shall be full compensation for all labour, Equipment, and Material to do the work and all investigation, testing, monitoring, and reporting related to blasting operations.

4. MEASUREMENT FOR PAYMENT

Measurement shall be in cubic metres.

Measurement for grading shall be the in-place volume of earth in cubic metres computed from field measurements of cross-sections taken both prior to rock excavation and upon completion of the work.

The volume of rock excavation for pipelines, Utilities, and associated structures shall be determined by the product of the relevant following dimensions measured in place.

5. DEPTH

The depth of rock excavation for pipelines, Utilities, and associated structures is the difference in elevation between the theoretical bottom of bedding and the lower of the top of the original rock or the top of shatter.

The top of the original rock shall be determined using one of the following methods:

- I. Elevations taken after the overburden has been removed but before rock excavation.
- II. From rock surface elevations on both sides of the excavation after rock excavation has been completed.

6. WIDTH

The width of rock excavation for pipelines and Utilities is the actual width of trench measured horizontally **to a maximum of the specified trench width required for the bedding of the pipe. No additional width will be considered for payment.**

7. LENGTH

The length of rock excavation for pipelines and Utilities is measured horizontally along the centreline of the trench to the outside limits of the backfill for the associated structures or to the outlet end of a pipe where it emerges from the rock.

8. STRUCTURES

The horizontal measurement for associated structures is:

SPECIAL PROVISIONS - ITEMS

- i. The diameter at the external surfaces of a circular structure plus 300 mm all around; or
- ii. The length and width to the external surfaces of a rectangular or square structure plus 300 mm on all sides.

Where the excavation for this item overlaps rock excavation for other items there shall be no deduction for the overlap.

The volume of boulders in an excavation shall be determined by the product of the three maximum rectilinear dimensions. Where boulders classified as rock are measured for payment, only the amount actually removed shall be considered for payment, the total volume of rock considered for payment shall not exceed the volume of excavation within the theoretical lines.

Special Provision SPI-310-1 HOT MIX ASPHALT HL 3, HOT MIX ASPHALT HL 8

Amendment to OPSS 310 Construction Specification for Hot Mix Asphalt

Hot Mix Asphalt

OPSS 310, November 2017 and OPSS 1150, November 2010, shall govern, except as amended and extended herein:

The Contractor shall submit name of asphalt supplier and job mix formula to Contract Administrator for review and approval a minimum of two weeks prior to paving, according to Special Provisions – General. The Contractor shall also submit a complete list of the equipment proposed, certifying its good operating order and full compliance with OPSS Specification.

310.05 Materials

Section 310.05 of OPSS 310 is amended by the addition of the following:

Steel slag, nickel slag and blast furnace slag coarse and fine aggregates shall not be used in hot mix.

At no extra cost to the Owner, the Contractor has an option to provide 12.5 Superpave in lieu of HL 3 surface course roadway, 19.0 Superpave in lieu of HL 8 binder course roadway and 12.5 Superpave in lieu of HL 3 for paved entrances and asphalt sidewalks.

Section 310.05.02 is amended by the addition of the following:

The tack coat application rate is 0.20 kg/m².

Section 310.06.02 is amended by the addition of the following:

Automatic screed controls are not required.

Section 310.07 is amended by the addition of the following sections:

Section 310.07.06 Placing Hot Mix Asphalt

Base course asphalt

Base course asphalt is to be ramped at structures (manholes, catchbasins and valves) over a minimum of 1m and at pavement joints to the requirements of the contract administrator. Structures are to be placed 12-17mm below finished grade of top lift.

Top course asphalt

Prior to top course placement, existing ramp to structures and existing pavement joints is to be milled, cleaned and tack coat applied.

310.07.16 Material Transfer Vehicle

The Contractor shall perform placement of asphalt with the use of a material transfer vehicle (MTV). A self-propelled material transfer vehicle is to be used to transfer hot mix asphalt from trucks to the asphalt spreader.

1150.05.01 Asphalt Cement

Pursuant to Clause 1150.05.01 of OPSS 1150 the performance grade of the asphalt cement shall be 58-34.

1150.07.03.03 Anti-Stripping Additives

Clause 1150.07.03.03 of OPSS 1150 is amended by the addition of the following:

All sources on the Ministry of Transportation of Ontario (MTO) Aggregates Sources List requiring an anti-stripping additive are as identified. The anti-stripping shall be obtained from approved sources listed on DSM #3.05.10 of the current MTO Designated Sources for Materials.

The need for an amount of anti-stripping additive required shall be determined during the mix design procedures. Once an additive has been specified in the mix design documents, substitutions will not be allowed unless the change is supported by a new mix design and all related documents.

If the anti-stripping additive is a chemical agent, it shall be added at the hot mix plant, which produces the hot mix for this Contract.

If the plant producing the mix uses a chemical agent, and is not dedicated exclusively to producing hot mix for this Contract only, the agent shall be metered by an in-line metering device installed between the asphalt cement storage tank and the mixer unit controlled from inside the hot mix plant's control cabin.

310.09 Measurement for Payment

Measurement for payment will be made by the metric tonne.

310.10 Basis for Payment

Base Course HL8

Payment at the Contract price for tender item shall be full compensation for all labour, equipment and materials to do the work, and shall also include ramping to structures (manholes, catchbasins and valves) and at joints to existing pavement at limits of work.

Surface Course HL3

Payment at the Contract price for tender item shall be full compensation for all labour, equipment and materials to do the work, and shall also include milling of temporary asphalt ramps at structures and at

joints to existing pavement at limits of work, and cleaning prior to tack coat placement.

Tack Coat: shall be paid under applicable separate tender item.

The contractor is to note the following are to be included in the asphalt unit rates tendered:

- Structures shall be adjusted to base course as part of the base course asphalt and no adjustment will be paid for base course asphalt adjustments.

Special Provision SPI-310-2 HOT MIX ASPHALT – LIQUID ASPHALT CEMENT PRICE INDEX

Hot Mix Asphalt

OPSS 310, November 2017 shall govern, except as amended and extended herein:

The Owner will adjust the payment to the Contractor based on changes to the Ministry of Transportation's performance graded asphalt cement price index. The price index will be published monthly in the MTO Contract Bulletin and displayed on the MTO web site (www.raqs.merx.com/public/bulletin/bulletin.JSF).

The price index will be used to calculate the amount of the payment adjustment per tonne of new asphalt cement accepted into the work as per OPSS 310.10.04 (Appendix 310-B Nov. 2017 is invoked)

If the payment for asphalt work is by the square meter, the tonnage used for the asphalt cement price adjustment calculation will be based on the theoretical volume quantity of asphalt placed (i.e.: square meter x asphalt depth x density from asphalt mix design).

Payment at the Contract price shall be full compensation for all labour, equipment, material, sampling, design, testing and associated work necessary to supply and place the material as specified. The above adjustment is solely to compensate for market variations in the price of liquid asphalt cement. No separate payment will be made for miscellaneous asphalt work (handwork) as the price of this work is deemed to be included in the Contract unit price for the Item.

Special Provision SPI-311-1 RESIDENTIAL ASPHALT ENTRANCES

Amendment to OPSS.MUNI 311 Construction Specification for Asphalt Sidewalk, Driveway, and

Boulevard and for Sidewalk Resurfacing

311.01 SCOPE

Section 311.01 of OPSS 311 is amended by deleting the first paragraph in its entirety and replacing it with the following:

This specification covers the requirements for the construction of asphalt driveways and related works including but not limited to sawcutting, earth excavation, grading within the Contract limits, disposal of surplus excavated material, placement of Granular 'A' base, supply and payment of binder course asphalt and top course asphalt. Entrances are to be restored the same year base asphalt is laid on the roadway.

311.10 MEASUREMENT FOR PAYMENT

Measurement for payment will be made by square meter.

311.10 BASIS OF PAYMENT

Subsection 311.10.02 of OPSS 311 is deleted in its entirety and replaced with the following: Payment for excavation and placement of granular 'A' shall be included under the items outlined. Supply and placement of asphalt shall be included within the unit price bid under this item.

Special Provision SPI-314-1 GRANULAR 'A' - GRANULAR 'B' (TYPE II)

Amendment to OPSS 314 Construction Specification for Untreated Granular, Subbase, Base, Surface Shoulder and Stockpiling

Section 314.05 of OPSS 314 is amended by the addition of the following subsection:

314.05.02 Reclaimed Asphalt Pavement for Blending with Granular

Reclaimed asphalt pavement (RAP) may be blended with a previously tested and accepted granular material such that the blended product contains no more than 30% RAP by mass. If the granular material consists of reclaimed Portland cement concrete containing RAP, this RAP must be included in the total amount of RAP in the blended product. The RAP may be from any source.

The RAP shall:

- a. Have 100% passing the 26.5 mm sieve;
- b. Not more than 75% passing the 4.75 mm sieve;
- c. Be stockpiled in accordance with the stockpiling requirements for coarse aggregate in OPSS 1001; and
- d. Not include steel slag aggregate materials.
- e. The RAP and granular material shall be homogeneously blended.

Section 314.07.01 is amended by the addition of the following:

Payment at the Contract unit price shall include the Granular “A” material placed and compacted to 100% of the Standard Proctor Dry Density for maintenance due to Roadway Traffic, maintenance of residential entrances, maintenance of commercial entrances and losses into the Granular “B” subbase.

Section 314.09.01.01.01 is deleted.

Section 314.09.01.01.02 is deleted.

Section 314.09.01.01.03 is amended as follows:

Measurement for payment will be made by the metric tonne.

Special Provision SPI-314-2 NON-WOVEN GEOTEXTILE BELOW GRANULAR ‘B’

1. SCOPE

This special provision specifies the requirement to install a single layer of non-woven geotextile underneath the granular “B” for the roadway.

2. MATERIAL

Geotextile to be in accordance with OPSS.MUNI 1860 Material Specification for Geotextiles Class II Non-Woven with a filtration opening size of less than or equal to 0.3 millimetres as noted on Table 1.

3. CONSTRUCTION

- a) To be placed on the road subgrade, once it is rolled, compacted and proof-rolled.
- b) It must be placed on top of the subdrains.
- c) Material to be installed in accordance with manufacturer’s specifications.

4. MEASUREMENT FOR PAYMENT

Measurement shall be by plan quantity measurement of area, in squares metres, with no allowance for overlaps.

5. BASIS OF PAYMENT

Payment at the Contract price will be full compensation for all labour, equipment and material to do the work. Repairs to geotextile damaged by the Contractor’s operation shall be at no additional cost to the Owner.

Special Provision SPI-351-1 CONCRETE SIDEWALK

Amendment to OPSS.MUNI 351 Construction Specification for Concrete Sidewalk

Bedding

Compacted Granular "A" bedding for sidewalks shall be as follows:

- Depth of 150mm beneath all concrete sidewalk locations including all access locations.

Section 351.07.05 Form Setting of OPSS 351 is amended with the addition of the following:

Sidewalk thickness to be 150 mm thick (c/w reinforcing mesh 150x150mm MW9.1xMW9.1) along full length of new sidewalks. The reinforcing mesh must be installed at mid depth of the concrete on all sidewalks.

Section 351.07.11.02 Dummy Joints is amended by the addition of the following:

Dummy joints are utilized and shall be hand formed using a 5 mm radius dummy joint tool. The dummy joints shall be at least $\frac{1}{4}$ of the depth of the concrete sidewalk, which can be formed by hand or sawcut once the concrete has set.

Section 351.07.19 Management of Excess Material of OPSS 351 is amended by the addition of the following:

Backfilling of both sides of the sidewalk flush with the finished surface with a minimum of 300 mm width of granular "A" must take place once the formwork is completed. Should the Contract document require the placement of topsoil and sod or seeding on the boulevards, then the requirements for the granular "A" backfill will be omitted.

Basis of Payment

Payment at the Contract Price for the tender item shall include full compensation for all labour, equipment, and material required to do the work, including the excavation, grading, supplying, hauling, placing/finishing concrete, saw-cutting, supplying and installing expansion joint material.

The granular "A" used as a sidewalk bedding shall be included in the unit price bid under this item.

Special Provision SPI-353-1 CONCRETE CURB

Amendment to OPSS.MUNI 353 Construction Specification for Concrete Curb and Gutter Systems

Section 353.05.01 Materials – Concrete is amended with the addition of:

"The air content of concrete placed by extrusion methods must not be less than 4.5% when tested in place in a plastic state."

Section 353.07.08.02 Concrete Finishing is amended with the addition of the following:

The dropped curb flare length on either side of entrances is to be 1 metre long.

Extrusion Methods

Two No. 15 reinforcing bars shall be added to the curb section for the full length of the depressed accesses if the full section depth of 400mm is not maintained.

Two dowels, 300mm long, made of No. 15 reinforcing bars shall be installed at the end of an

extruded pour in preparation for the continuation of the extruded pour the next day.

Special Provision SPI-405-1 PERFORATED PIPE SUBDRAINS 150 mm DIA
Amendment to OPSS.MUNI 405 Construction Specification for Pipe Subdrains

Section 405.05.07 Granular Backfill is deleted and replaced with:
Granular material must be Granular “A” conforming to OPSS.MUNI 1004.

Section 405.10.01 Basis of Payment – Pipe Subdrain Item is amended with the deletion of the third paragraph and replacement with the following:
When the subdrain is below subgrade, payment for the earth excavation, granular bedding and backfill will be deemed to be included with the payment for the subdrain item.
Non-perforated CSP outlet pipes complete with rodent grates, and coring and grouting into storm structures will be deemed to be included with the payment for the subdrain item.

Special Provision SPI-407-1 MANHOLES AND CATCHBASINS
Amendment to OPSS.MUNI 407 Construction Specification for New Maintenance Hole, Catch basin, Ditch Inlet, and Valve Chamber Installation

Section 407.05 Material is amended with the addition of the following subsection:

Section 407.05.12 Granular Backfill

Granular ‘A’ Backfill material shall be placed a minimum thickness of 300mm all around manholes, catch basins and ditch inlets.

Section 407.07.14 Benching and Channeling is amended by deleting the first paragraph and replacing it with the following:
The inside bottom of all sanitary manholes must be benched and channeled to accommodate the pipe installed into them.

Storm manholes must have a 300 mm sump.
Storm catchbasins and ditch inlets must have a 600 mm sump.
All manhole structures, both Sanitary and Storm manholes, to be installed with concrete collar per Town of Perth Detail SE-02.

Section 407.07.16 Installation of Frames with Grates or Covers is amended with the addition of the following:

Shims of HDPE plastic, approximately 47mmx47mm, colour coded for varying thickness of 1.5mm to 25.5mm and set in a full mortar bed must be used to adjust the final 25mm to its final design elevation.

Only precast concrete adjustment units must be used for adjustments greater than 25 mm. The first adjustment unit will be set in a bed of mortar with all subsequent adjustment rings be placed with a joint sealant between rings as per OPSS 1351.

Maintenance holes to be adjusted to be 12-17mm below the finished elevation of the toplift. If the top of maintenance holes have settled by more than 10mm of finish grade as measured in any direction with a 3.0 m straight edge, at no cost to the Owner, the Contractor shall re-adjust and restore the maintenance holes and surrounding area to meet this tolerance.

Section 407.07.15 Installation of Adjustment Units is amended with the addition of the following:

Sanitary Manhole Adjustment Units will receive concrete parging along the outside faces of the adjustment units to seal out all groundwater.

Section 407.07.20 Installation of Frost Straps is amended by deleting the first sentence and replacing it with the following:

Frost straps are required in all precast manholes, catchbasins and ditch inlets with more than one precast section as per OPSD 701.100.

Special Provision SPI-408-1 ADJUSTING MANHOLES, CB'S AND DITCH INLETS

Amendment to OPSS 408 Construction Specification for Adjusting or Rebuilding Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers

Section 408.07.01 Construction – General is amended by the replacement of the second sentence of the fourth paragraph with the following:

All existing manhole and catchbasin frames and covers are to be replaced with new units. The existing units are to be removed and disposed of by the Contractor.

Special Provision SPI-409-1 CCTV INSPECTION OF PIPELINES

OPSS.MUNI 409 Construction Specification for Closed-Circuit Television (CCTV) Inspection of Pipelines is amended as follows:

409.01 SCOPE

Section 409.04 of OPSS 409 is amended with the addition of the following subsections:

All new maintenance holes and sewer pipes are to be cleaned, flushed and pumped, and all new sewer pipes are to be televised with the limits of this contract including the first section of existing sewer pipes downstream of the contract limits. Contractor is to perform the final CCTV inspection for all catch basin leads, maintenance holes and sewers before the installation of the final lift of asphalt.

409.01.04 Post-Construction Inspection

Upon completion of the binder course asphalt but before applying the final course of asphalt, a post-construction CCTV Inspection must be completed on and new sewers within the construction limits plus the first length of existing sewer pipes outside of the contract limits including cross

streets.

At no cost to the Owner, the Contractor must repair any damages resulting from construction activities.

409.07 CONSTRUCTION
409.07.01 Pipeline Cleaning

Subsection 409.07.01 of OPSS 409 is amended with the addition of the following:

All pipe must be cleaned with a vacuum/flusher combo unit immediately prior to the CCTV inspection.

The cleaning process shall consist of a minimum of two (2) passes to clean debris and blockages in preparation for the sewer inspection or until cleaned and clear of debris. All sludge dirt, sand, rocks, grease, and other solid or semi-solid materials resulting from the cleaning operation shall be removed at the downstream manhole of the section being cleaned.

409.07.04 CCTV Inspection
409.07.04.01 General

Subsection 409.07.04.01 of OPSS 409 is amended with the addition of the following:

CCTV Inspections must be completed prior to the sewer being placed into operation. Should this be unavoidable, such as installation of a sanitary replacing an existing sanitary on the same alignment, the CCTV inspection must be scheduled and completed at a low flow period, possibly after normal working hours.

Scheduling of all CCTV Inspections must be prior approved by the Contract Administrator. The Contractor must view the CCTV Inspection prior to the Inspection Companies departure from the site.

409.07.04 Final Documentation
409.07.04.01 Inspection Reporting

Subsection 409.07.05.01 of OPSS 409 is amended with the addition of the following:

The Contractor shall provide a signed and dated letter confirming that they have reviewed the CCTV footage report, that the CCTV footage of all pipelines designated to be inspected have been included in the report, and acknowledge if any defects / deficiencies were observed.

Two (2) printed hard copies of the inspection report and two (2) copies of the digital video recordings shall be submitted to the Contract Administrator for review and approval a minimum of 3 business days prior to applying the top course asphalt. The Contract Administrator must provide the Contractor approval prior to applying the final lift of asphalt.

409.010 BASIS OF PAYMENT
409.10.01 409.10.01 CCTV Inspection – Item

SPECIAL PROVISIONS - ITEMS

Subsection 409.10.01 of OPSS 409 is amended with the addition of the following:

Compensation for all costs associated with additional videos required for poor video quality and/or repairs to sewers must be deemed to be included in the Contract price for Closed Circuit Television Inspection for Pipelines. No additional payment will be made.

Special Provision SPI-410-1 PIPE SEWER INSTALLATION IN OPEN CUT

The requirements OPSS 410 shall apply except as modified herein;

410.05 MATERIALS
410.05.01 Pipe Materials
410.05.01.01 General

Section 410.05.01.01 is amended by the addition of the following;
Materials in accordance with Town of Perth requirements.

410.7 CONSTRUCTION
410.7.13 Service Connections

Section 410.07.13 is amended by the addition of the following;

Storm sewer laterals will be required for each lot. Laterals shall be 100mm in diameter and shall run from the main to the property line with a one (1%) percent grade where possible. Connection at the main shall include a tee and an eccentric reducer mating the pipe spring line at either a 3 o'clock or 9 o'clock position. The end of each storm sewer lateral shall have an end cap. Locations of storm sewer laterals shall be as directed by the Contract Administrator. A wooden 2x4 stake shall be placed at the end of each service to 1.2m above grade and painted white.

Sanitary service lateral shall be connected to existing service laterals from dwellings at the property line. All properties shall have a standalone service for both storm, and sanitary laterals. Any joint services shall be installed as standalone services.

Reinstatement of site to pre-construction conditions or better shall be paid under applicable separate unit tender items.

410.7.19 Concrete Appurtenances

Section 410.07.19 is deleted in its entirety and replaced by the following:

All concrete appurtenances shall be precast.

410.7.22 Pipe to Pipe Joining

Section 410.07.22 is amended by the addition of the following;

Pipe to Pipe joining of mains shall include a manufactured coupler and a concrete collar.

410.07.22 Sewer Bypass Pumping

Section 410.07.24 is amended by the addition of the following;

The Contractor is responsible for maintaining flow through all sewers and services for the duration of construction.

410.09 MEASUREMENT FOR PAYMENT

Section 410.09 is deleted in its entirety and replaced by the following;

410.9.1 Actual Measurement

410.09.01.01 Pipe Sewers

Measurement of pipe sewers is in metres along the horizontal centreline length of the pipe from the centre of one drainage structure to the centre of another drainage structure or outlet end of the pipe sewer. Where the grade of the sewer pipe is 10% or greater, the above measurement is of the slope length.

410.9 BASIS OF PAYMENT

Section 410.10 is deleted in its entirety and replaced by the following;

**410.9.1 Sanitary Sewer - Item Service Laterals - Item
Connection to Existing Manhole - Item**

Adjust covers - Items Storm Sewer – Item

Payment at the Contract price for the above tender items shall be full compensation for all labour, equipment and material to do the work.

Special Provision SPI-441-1 WATERMAIN INSTALLATION IN OPEN CUT

The requirements of OPSS 441 shall apply except as modified herein;

441.05 MATERIALS

441.05.01 General

Section 441.05.01 is amended by the addition of the following;

All material for watermain shall be conform to the Town of Perth Supplemental Specifications and the Approved Products list.

All watermain pipe must be homogeneous throughout, free from voids, cracks, inclusions, and other defects.

19 mm water services must be installed according to Ontario Plumbing Code and Town Standards. Unit price for hydrants shall include 150mm lead, 150mm diameter valve and valve box, and connection to main. Time and locations for leakage and pressure testing will be coordinated in advance with the Inspector. A copy of all test results shall be forwarded to the Contract Administrator immediately after the results are known. The cost for testing shall be included under the testing of watermains item.

441.07 CONSTRUCTION

441.07.01 General

Section 441.07.01 is amended by the addition of the following;

The Contractor shall provide all connection material and fittings for connection of the Contractor's backflow prevention connection for testing, disinfection and flushing.

441.07.12 Temporary Potable Water Supply Services

Section 441.07.12 is amended by the addition of the following;

Temporary water services shall be installed and maintained by the Town. The Contractor shall coordinate with the Town no later than two (2) weeks prior to requiring temporary water services.

441.07.14 Installation of Pipes

Section 441.07.14 is amended by the addition of the following;

Insulation shall be required for watermains and services which fall within the zone of frost penetration (less than 2.0m-of cover). Insulation thickness shall be determined based on the depth of cover.

Installations within 1.8m of a storm structure shall be insulated with 50mm of rigid insulation.

Insulation shall be approved by the Contract Administrator.

The watermain shall be installed per the contract drawings. A minimum of 0.5m vertical separation shall be kept at all times.

Dead ends and stubs shall be marked with a wooden marker (2x4) to 1.2 m above grade painted blue. Corrosion protection shall be provided as per OPSD 1109.011.

441.07.15.04 Polyvinyl Chloride Pressure Pipe- PVC and PVCO

Section 441.07.15.04 is amended by the addition of the following;

Joints shall be bell and spigot with nitrile gaskets. If gaskets are supplied separately, they shall be inserted in the groove of the bell end of the pipe.

The spigot shall be lubricated. The spigot end shall be inserted and pushed into the bell up to but not beyond the depth of the stop reference mark. 12-gauge single conductor insulates tracer wire shall be installed on all watermain pipe.

NOTE: NITRILE GASKETS ARE TO BE SUPPLIED AND INSTALLED ON ALL WATERMAIN FITTINGS AND APPURTENANCES IN THIS CONTRACT.

441.07.18 Installation of Valves and Fittings

441.07.18.01 General

Section 441.07.18.01 is amended by the addition of the following:

All valves shall include valve boxes.

Any insulation required to meet any applicable specification due to the depth of installation or proximity to existing infrastructure shall be included under the item.

Installation of tapping sleeves and valves will be performed by the Contractor.

Main valves not placed under impervious surface shall have the top of the valve box set in Portland cement concrete (PCC), measuring 400 mm x 400 mm x 150 mm in depth.

441.7.19 Installation of Hydrant Sets

Section 441.07.19 is amended by the addition of the following;

The work for the installation of hydrant sets shall include the placing of hydrants, hydrant isolating valves, hydrant leads, restraining devices, and support devices.

Clear crushed stone for adequate barrel drainage and restrained mechanical joint fittings and blocking shall be provided as shown on the relevant standard drawings. Drainage cloth shall cover the drainage bed of the base of the fire hydrant.

Hydrant sets shall be installed at locations specified in the Contract Documents.

The hydrant shall be plumb with the nozzles parallel to the edge of pavement or curb line and the pumper connection facing the roadway. All hydrants shall be equipped with a STORZ connection on the pumper port.

441.7.19 Installation of Service Connections

Water services shall be installed according to Ontario Plumbing Code and Town Standards.

A service connection shall include the supply and installation of water service pipe, saddles, corporation stops, curb stops, stand posts, insulation and shut offs as specified on the plans and in accordance with the Town of Perth standard drawings.

There shall be no buried joints, except at street line valves. Buried joints are not accepted except at curb stops. Bedding material shall be granular A and must be compacted to 300 mm above the water service.

The Contractor shall ensure that all service pipes shall be disinfected prior to installation by filling with 0.5% chlorine solution for 60 minutes, then flushing with potable water. Thereafter the pipe shall be capped until the moment prior to connecting.

The key shall not be inverted and the valve shall have a drain and shall be no deeper than 1.8 m below finished grade. Main stops shall have a drain and have compression fittings. Both shall conform to OPSS 441.

All services not connected shall be marked with a wooden marker (2x4) to 1.2m above grade painted blue.

All properties shall have a standalone service. Any joint services shall be installed as standalone services.

Once installation of services is complete, the site will be reinstated to pre-construction conditions or better. The cost of reinstatement shall be included in the service lateral item.

441.7.22 Connections to Existing Watermains

Section 441.07.22 is amended by the addition of the following;

The Contract Administrator and the Contractor shall plan the timing and construction procedures for the required connections to existing watermains. Before any connections are commenced, the Contractor shall notify all water customers affected by the shutdown, as to the time and duration of the shutdown a minimum of 24 hours in advance. This work shall be scheduled so as to reduce inconvenience and disruption to property owners and public traffic. This may result in work being performed during off-peak hours. Any work performed during off peak hours shall be considered incidental to the installation of the water plant and will not be measured for separate payment.

The Contractor shall be responsible for confirming the size, material and location of all existing watermains. Main valves may only be operated by persons certified in water distribution as per O.Reg. 128/04 and under the guidance of a municipal representative.

When exposing or making connections to existing watermains the use of a Hydrovac Excavation unit will be required for the entirety of the works.

Connections to the existing mains shall be made only after the affected section of the waterworks has been isolated and the new main has been completed, including chlorination, testing and flushing. Extreme care shall be taken to prevent contamination of the existing watermain and new closure fittings shall be rinsed with chlorine solution prior to installation.

441.07.23 Thrust Restraints

Section 441.07.23 is deleted in its entirety and replaced by the following;

All connections, caps, tees, crosses, reducers, hydrants, valves, bends, or any other fitting shall be restrained by mechanical joints. The number of joints to be restrained shall be as directed by the Contract Administrator.

Special Provision SPI-442-1 WATERMAIN CATHODIC PROTECTION

The requirements of OPSS 442 shall apply except as modified herein;

Cathodic Protection

Sacrificial Zinc Anode Caps (Protecto Caps) shall be used for Cathodic Protection. The caps are to be screwed on every second bolt of each mechanical joint

Epoxy Coating Repairs

Damage such as small nicks or chips to the factory applied protective epoxy coatings caused by field handling shall be repaired immediately using a liquid epoxy coating material. Oils or other contaminants shall be removed from the damaged area using suitable solvents. All visible rust shall be removed by wire brush, grinding, filing or sanding methods. Roughen the surface of the existing epoxy coating surrounding the damaged area. Apply two layers of the liquid epoxy coating overlapping the existing coating and allow the coating to dry as per manufacturer's recommendations.

Measurement for Payment

There will be no measurement under this item. This is an all inclusive lump sum item.

Special Provision SPI-510-2 REMOVAL OF MH'S CB's AND DITCH INLETS

Amendment to OPSS MUNI 510 Construction Specification for Removal

Section 510.07.03.05 Removal of Maintenance Holes, Catchbasins, Ditch Inlets, and Valve Chambers is amended with the addition of the following:

Manhole, catchbasin and ditch inlet frames and grates to be replaced are to be removed and disposed of by Contractor.

Special Provision SPI-510-3 REMOVAL OF FIRE HYDRANTS

Amendment to OPSS MUNI 510 Construction Specification for Removal

Section 510.07.03.11 Removal of Hydrants, Valves, and Watermain Appurtenances is amended with the addition of the following:

Valves and fire hydrants to be replaced are to be removed and disposed of by the Contractor.

Special Provision SPI-510-4 REMOVAL OF PIPES— SPI-510-4

Amendment to OPSS.MUNI 510 Construction Specification for Removal

Section 510.07.03.08 Removal of Pipe and Culverts is amended with the addition of the following:

Pipes and culverts equal less than 200 mm dia. are to be abandoned.

The Contractor is made aware that portions of the sewers designated for removal may be asbestos cement. As such, the asbestos cement is hazardous and must be properly disposed of by the Contractor per Type 1 and/or Type 2 operations of the Occupational Health and Safety Act, Ontario Regulation 278/05 Designated Substance – Asbestos on Construction Projects and in Buildings and Repair Operations and all costs associated with the removal will be borne by the Contractor and included in the various related tendered unit prices.

Section 510.09.01.06 Removal of Pipes and Culverts is amended with the addition of the following:

Costs associated with abandoning pipes and culverts less than 200 mm dia. are deemed to be included in the Removal of Pipes and Culverts tender price. There is no requirement to fill with grout, pipes that are to be abandoned that are less than 200mm in diameter.

Special Provision SPI-INS RIGID INSULATION

1. SCOPE

This special provision specifies the requirements for expanded polystyrene thermal insulation for watermains.

2. MATERIAL

Insulation material must be Class IV, 50 mm thick blue polystyrene rigid insulation, Dow Styrofoam HI 40 or approved equal.

3. CONSTRUCTION

Insulation must be installed over areas and in thicknesses indicated in the Contract in accordance with OPSS 1109.030 and as directed by the Contract Administrator.

Sheets must be placed lengthwise and parallel to the centreline of the installation with staggered transverse joints. All sheets must be tightly butted together and secured to prevent movement.

Where insulation is to be installed on concrete surfaces, it must be secured in place with an approved adhesive.

4. MEASUREMENT FOR PAYMENT

Measurement will be in square metres for each 50 mm thickness placed.

5. BASIS OF PAYMENT

Payment at the Contract price will be full compensation for all labour, equipment and material to do the work.

Special Provision No. SPI-802/803-1 TOPSOIL AND SODDING

The provisions of OPSS 802 and OPSS 803 shall apply except as amended hereafter;

802.07 CONSTRUCTION

802.07.03 Placement of Topsoil

Section 802.07.03 is deleted in its entirety and replaced by the following;

Topsoil shall be placed to a uniform depth of 100 mm on areas specified in the Contract Documents. Topsoil shall be free of clods, lumps, roots and foreign matter.

802.10 BASIS OF PAYMENT

Payment at the Contract price for the above noted tender items shall be full compensation for all labour, equipment and material to do the work.

The requirements of OPSS 803 shall apply except as modified herein;

803.05 MATERIALS

803.05.01 Sod

Section 803.05.01 is amended by the addition of the following;

All sod shall be Kentucky Bluegrass sod.

803.07 CONSTRUCTION

803.07.04 Placement of Sod

Section 803.07.04 is amended by the addition of the following:

Sod shall be placed at the locations specified in the Contract Documents and as directed by the Contract Administrator.

All sod that is disturbed, washed away during intense rainfall or otherwise uprooted shall be replaced by the Contractor at his expense.

The Contractor shall be required to water the sod daily during the first week after installation, in weeks two and three the sod shall be watered every second day and thereafter shall be watered weekly until the sod has been cut two times and has been given final acceptance by the Contract Administrator.

Watering operations shall not be carried out between 1100 h and 1700 h. water shall be applied in sufficient quantities to thoroughly soak the upper 100mm of topsoil, and shall be applied in a soft spray to avoid splattering the soil.

Water for the boulevards can be obtained at no cost to the Contractor from the Town's water treatment plant provided that prior approval has been obtained from the Contract Administrator.

803.09 MEASUREMENT FOR PAYMENT

803.09.01 Actual Measurement

803.09.01.01 Sod

Measurement shall be by area in square meters following the contours on the ground and shall also include topsoil.

Special Provision SPI – HP HYDRO POLE – TEMPORARY SUPPORT ITEM

This special provision addressed the requirements to support the hydro poles and anchor system along trenchwork to allow for construction. Contractor and Hydro costs for supporting any poles required are to be included in the tender item price. The contractor is to coordinate with Hydro to complete the works.

Special Provision SPI-SIGNS ROAD AUTHORITY/MUNICIPAL/BUSINESS SIGNS

The Contractor must carefully remove and satisfactorily replace all route marker, business advertising, pedestrian and other identification and traffic signs which must be removed in order to carry out the work.

The Contractor is to co-ordinate with the Contract Administrator to verify relocation points. All legal traffic signs must be maintained. If signs are to be moved, the local road authority must be consulted and approved.

All costs associated with the removal, protection and relocation of signs will be deemed to be included in the Contract price for the items associated with this requirement.

Special Provision SPI-ADJ ADJUST UNDERGROUND UTILITY STRUCTURES

The Contractor is to excavate around the underground utility structures to allow the utility to adjust the structures vertically to suit proposed grading and backfill with sand. The contractor is to allow for the coordination of this activity.

All costs associated with the coordination, excavation, removal, replacement and backfill with sand in the Contract price for the item.

Special Provision SPI-REL RELOCATE UNDERGROUND UTILITY STRUCTURES

The Contractor is to excavate around the underground utility structures to allow the utility owner to relocate the structures appropriately and backfill with sand. The contractor is to allow

for the coordination of this activity.

All costs associated with the coordination, excavation, removal, replacement and backfill with sand in the Contract price for the item.

Special Provision SPI-HYD HYDROVAC ALLOWANCE TO EXPOSE UNDERGROUND UTILITIES

The allowance is to pay for direct costs of Hydrovac with no mark up by the contractor. Payment for this item is to include all labour, equipment, and materials to expose underground utilities prior to construction.

The contractor is to coordinate with Contract Administrator and the applicable utilities to complete the works.

ENVIRONMENTAL PROTECTION – SPI-805-1

OPSS 805 Construction Specification for Temporary Erosion and Sediment Control Measures is amended as follows:

805.04 DESIGN AND SUBMISSION REQUIREMENTS

Section 805.04 of OPSS 805 is added as follows:

The Contractor must submit the erosion and sediment control plan to the Contract Administrator

a minimum of ten (10) calendar days prior to proceeding with the work. The submission must be comprehensive and must provide descriptions, drawings and schedules that detail the sequence of this work and the temporary protection systems.

The plan shall include procedures for preventing and responding to spills, and equipment and resources that will be available to prevent and/or respond to all potential discharges resulting from the Contractor's operations in this contract. Part of the requirement of this Contract is that emergency spill kits shall be stored on site and be available at all times.

Permission to proceed with the work will be provided if the Contract Administrator determines that all the details of the Contractor's operations meet the requirements specified in the Contract

Documents and by the Authority and applicable Further Permits obtained by Contractor are filed with the Contract Administrator.

Section 805.07 Construction is amended by the addition of the following:

The Contractor must provide the necessary protection measures to ensure that all waterways, swamps and private property are protected from contamination during construction.

The Contractor will design, erect, maintain and remove any protection schemes necessary to prevent all debris and construction materials from entering the waterway during the execution of this Contract to the approval and satisfaction of regulatory authorities and the Contract Administrator. The Contractor must also design, implement, maintain and remove all erosion and sediment control measures and carry out the removal of sediment accumulated by control measure to the approval and satisfaction of the Contract Administrator. These measures are

intended as prevention and shall be installed prior to construction in anticipated sensitive areas, not after the damage is done.

EROSION AND SEDIMENT CONTROL PLAN

General

The Contractor acknowledges that surface erosion and sediment runoff resulting from their construction operations will have a detrimental impact to any downstream watercourse, and that all construction operations that may impact upon water quality must be carried out in a manner that strictly meets the requirements of all applicable legislation and regulations.

As such, the Contractor will be responsible for carrying out their operations, and supplying and installing any appropriate control measures, so as to prevent sediment laden runoff from entering any watercourse within or downstream of the Working Area.

The Contractor acknowledges that no one measure is likely to be 100% effective for erosion protection and controlling sediment runoff. Therefore, where necessary the Contractor must implement sequential measures arranged so as to achieve the required level of sediment and runoff control. Suggested on-site measures may include, but will not be limited to, the following methods: sediment ponds, silt fences, straw bales, filter cloths, catch basin filters, dams and/or berms, or other recognized technologies and methods available at the time of construction. Specific measures must be installed in accordance with the requirements of OPSS 805 where appropriate, or in accordance with manufacturer's recommendations.

Where, in the opinion of the Contract Administrator or Regulatory Agency, the installed control measures fail to perform adequately, the Contractor will supply and install additional or alternative measures as directed by the Contract Administrator or Regulatory Agency. As such, the Contractor must have additional control materials on site at all times which are easily accessible and may be implemented by them at a moment's notice.

Before commencing the Work, the Contractor must submit to the Contract Administrator an Erosion and Sediment Control (ESC) Plan. The ESC Plan will consist of a written description and sketches indicating the on-site activities and measures to be used to control erosion and sediment for each step of the Work.

Contractor's Responsibilities

The Contractor must ensure that all workers, including sub-contractors, in the Working Area are aware of the importance of the erosion and sediment control measures and informed of the consequences of the failure to comply with the requirements of all Regulatory Agencies and the specifications detailed herein.

The Contractor must periodically, and when requested by the Contract Administrator, clean out accumulated sediment deposits as required at the sediment control devices, including those deposits that may originate from outside the construction area. Accumulated sediment must be removed in such a manner that prevents the deposition of this material into any watercourse and avoids damage to the control measure. The sediment must be removed from the site at the Contractor's expense and managed in compliance with the requirements for excess earth material, as specified elsewhere in the Contract.

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The Contractor must immediately report to the Contract Administrator any accidental discharges of sediment material into either the watercourse or the storm sewer system. Failure to report will be constitute a breach of this specification and the Contractor may also be subject to the penalties imposed by any applicable Regulatory Agency. Appropriate response measures, including any repairs to existing control measures or the implementation of additional control measures, must be carried out by the Contractor without delay.

The sediment control measures will only be removed when, in the opinion of the Contract Administrator, the measure or measures, is no longer required. No control measure may be permanently removed without prior authorization from the Contract Administrator. All sediment and erosion control measures must be removed in a manner that avoids the entry of any equipment, other than hand-held equipment, into any watercourse, and prevents the release of any sediment or debris into any sewer or watercourse within or downstream of the Working Area. All accumulated sediment must be removed from the Working Area at the Contractor's expense and managed in compliance with the requirements for excess earth material, as specified elsewhere in the Contract.

Where, in the opinion of either the Contract Administrator or a Regulatory Agency, any of the terms specified herein have not been complied with or performed in a suitable manner, or at all, the Contract Administrator or Regulatory Agency has the right to immediately withdraw its permission to continue the work but may renew its permission upon being satisfied that the defaults or deficiencies in the performance of this specification by the Contractor have been remedied. No compensation will be owed or paid to the Contractor for the withdrawal of permission to do the work resulting from noncompliance with the requirements of this specification or the Regulatory Agencies.

In addition to any other remedy and/or penalty provided by law, where there has been default or noncompliance with any of the terms specified herein and the Contractor refuses to perform or rectify same within forty-eight (48) hours of the receipt of the written demand of the Contract Administrator to do so, the Owner is hereby entitled to enter upon the Working Area and either complete the work in conformity with the Contract or have the work done that it considers necessary to complete the Work to its intended condition, whichever, in the Owner's sole opinion, is the most reasonable course of action. The Contractor and the Owner further agree that the costs incurred for any such work will be retained by the Owner from monies otherwise due to the Contractor, should any such monies be available.

ENVIRONMENTAL PROTECTION MEASURES

The Contractor must design, erect, maintain and remove a system to prevent all debris and construction material from entering the waterway.

The Contractor must adhere to the following requirements:

- Use erosion-resistant material, such as gravel fill with riprap or geotextile lining, in order to prevent the entry of sediment into the watercourse.
- Construction affecting water must not take place during spawning/incubation periods or

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major fish migration periods, as determined by the Ministry of Natural Resources and Forestry. Prevent any silt from excavation and backfilling from entering the waterway.

- Equipment and materials should be stored well back from the water's edge.
- Do not clean concrete buckets, wheelbarrows, or shovels in water body. Instead wash them with hoses so that run-off is filtered through vegetation. Prevent the entry of lime, cement or fresh concrete into waterways.
- The Contractor must ensure that no contamination, waste, debris, construction materials or other substances which may be detrimental to marine life or quality of water enter the watercourse as either a direct or indirect result of construction and the Contractor must meet all requirements of Government authorities and applicable agencies with respect to environmental protection.
- The Contractor must immediately clean up any spills or contamination, waste, debris, construction materials or other substances which may be either detrimental to marine life or water quality. In the event of a spill, the Contractor must immediately commence a clean-up operation. The Contractor will be liable for all damages and/or charges laid which result, either directly or indirectly, from the spill, or contamination of any kind, which result from its construction operations.
- All restored areas are to be topsoiled and have seed and hydraulic mulch applied.

Ineffectiveness of Installed System

Whenever protection measures are found to be inadequate by the Contract Administrator, changes must immediately be made, which will ensure watercourse, embankment, streambed and fisheries protection, at no extra cost to the Owner.

Section 805.09 Measurement for Payment is deleted.

Section 805.10 Basis of Payment is amended with the addition of the following:

Environmental Protection – Lump Sum

Payment for this Lump Sum Item will be as follows:

- Installation of environmental protection (including Erosion and Sediment Control Measures): 30%
- Removal of all environmental protection (including Erosion and Sediment Control Measures): 20%
- The remainder (50%) will be prorated over the scheduled duration of the Contract per the approved schedule.

Special Provision SPI-TEMP Temporary Access Road

1. SCOPE

This specification covers the construction, maintenance, and removal of the temporary access road and culvert.

2. CONSTRUCTION

The Contractor shall provide a temporary access road at the end of the cul-de-sac on Mclean

SPECIAL PROVISIONS - ITEMS

Boulevard for a maximum of one week if they are unable to provide access for the residents on Mclean during construction activities.

The access road shall be as per the contract drawings and shall be constructed if at any point during the reconstruction of Thomas Avenue the Contractor is unable to provide safe vehicular access for the residents on Mclean Boulevard.

The Contractor shall be required to install and maintain a stop sign as per OTM Book 5. The Contractor shall be required to maintain and grade the temporary access road regularly as directed by the Contract Administrator.

Following removal of the temporary access road, the Contractor shall be required to reinstate the existing ditch to pre- construction conditions or better. The CSP culvert shall be salvaged and delivered to the Town at a destination of their choice. The granulars shall be treated as excess material.

3. MEASUREMENT FOR PAYMENT

Measurement for payment shall be by lump sum.

4. BASIS OF PAYMENT

Payment at the Contract price will be full compensation for all labour, equipment and material to do the work.