



**WELLINGTON NORTH**  
SEMPER PORRO

## **ADDENDUM NO. 1**

From: Township of Wellington North

Date: Monday March 11, 2024

### **Addendum No. 1**

**Township of Wellington North**

**Contract No.: RFT 2024-007**

**Tender – Reconstruction of Smith St, Arthur and Construction of Pedestrian Crossovers, Smith St and Main St N, Mount Forest**

Closing Date: Wednesday, March 13 at 2:00:59 p.m.

Please update your Tender documents as per the addendums in this document and attach a copy of this addendum page to your submission, acknowledging receipt and understanding of the addendum.

Except as to the extent that they are amended by the foregoing, all the terms and conditions of the Tender shall remain in full effect.

This Addendum has been sent by electronic mail (email).

I/We hereby acknowledge receipt of this Addendum.

---

Signed (Must be Signing Officer of Firm)

---

Name (Print) Date:

---

Position

---

Name of Firm



## **TOWNSHIP OF WELLINGTON NORTH**

**CONTRACT No. RFT 2024-007**

**TENDER – Reconstruction of Smith St, Arthur and Construction of Pedestrian  
Crossovers, Smith St and Main St N, Mount Forest**

**ADDENDUM NO. 1**

**Date: Monday March 11, 2024**

---

### **QUESTIONS:**

#### **Question No. 1**

Can the construction budget for the project be shared?

#### **Response**

The construction budget is not available to be shared.

#### **Question No. 2**

For item 1.12, the Form of Tender is asking for a 100 mm service and the drawings are asking for a 150 mm service. Please clarify.

#### **Response**

The storm services shall be 100 mm diameter.

#### **Question No. 3**

For item 1.12, There is no storm sewer in front of those properties, except for the single catchbasin. Are you expecting these two services to connect to this CB?

#### **Response**

Yes, it is expected that the two storm services will connect to the existing catch basin.

#### **Question No. 4**

Is the Contractor to include landscaping restoration within items 1.20 and 1.21? Or will the landscaping be covered under items 1.34 and 1.35?

#### **Response**

With respect to items 1.20 and 1.21, payment for landscaping restoration shall be covered under item numbers 1.34 and 1.35.

#### **Question No. 5**

For item 1.04, soil excavation and grading, it states that all chemical analysis is to be completed by the Contractor. Under Ontario Regulation 406/19, it is the Owner's responsibility to complete the



chemical analysis of the material owned by the Township. Would the Township consider adding items for test pits, chemical testing and disposal items for material that meets the specific tables?

**Response**

Per this Addendum, the following Clause in Section A – Information to Tenderers and items in Section C – Special Revisions have been revised such that the costs for chemical analysis, if required, will be the responsibility of the Municipality:

*Section A, Clause 23 – Geotechnical Investigation*

*Section C, Item No. 1.04 – Soil Excavation (Grading,)*

*Section C, Item No. 1.12 – Supply, Excavate for and Install Storm Services Including Restoration*

*Section C, Item No. 1.41 – Sanitary Sewer Service From Existing Sanitary Sewer to Property Line, Including Restoration*

*Section C, Item No. 1.42 – Sanitary Sewer Service From Existing Sanitary to Property Line Marker, Including Restoration*

*Section C, Item No. 1.44 – Water Services to Property Line Marker, Including Restoration*

*Section C, Item No. 1.45 – Insulation for Existing 19 mm Diameter Water Service, Including Restoration*

*Section C, Item No. 4.01 – Water Services to Property Line, Including Restoration*

Given the minimal quantity of excess soil to be generated, items for test pits, chemical testing and disposal will not be added to the Contract.

**Question No. 6**

Where is the outlet grate being installed (Item 1.30)?

**Response**

The outlet grate (Item 1.30) is to be installed at the outlet of the existing 600 mm dia. storm sewer located at the northwest corner of the intersection of Smith Street (Hwy 6) and Wells Street (Sta. 0+926).

**Question No. 7**

Where is the Streetlight on the southwest corner of Smith St and Conestoga St S being fed from?

**Response**

Streetlight is to be fed from relocated hydro pole on Conestoga Street South. Drawing 05 is revised.

**Question No. 8**

The location of the direct buried rigid ducts is not shown on the drawings, can the customer please let us know where will these be installed?

**Response**

Drawing 05 and Drawing 06 are revised to include rigid ducts.



**Question No. 9**

Line item 2.13 calls for 2 x luminaire and 2.4m bracket, but on the drawings we have to only install one luminaire and bracket and rotate the existing luminaire and bracket that is on the existing hydro pole. Could you please confirm the quantity?

**Response**

The quantity for item 2.13 is revised to 1 ea. An item has been added to Rotate the Existing Luminaire and Bracket.

**Question No. 10**

The special provisions for 2.08 – 9.14m concrete pole, direct buried asks the contractor to supply the pole manufacturer with hole spacing requirements for installation of solar luminaire and engine prior to purchase. Why is this needed? Is the luminaire supposed to be solar powered? If yes, the part number given is not a solar powered luminaire but hardwired.

**Response**

Special Provision for Item 2.08 is revised. The luminaire will not be solar powered.

**Question No. 11**

Where is the streetlight on the north side of the PXO crossing at Mount Forest being fed from?

**Response**

Streetlight is to be fed from hydro pole on west side of Main Street, south of the intersection with Durham Street. Drawing 06 is revised.

**Question No. 12**

The location of the direct buried rigid ducts is not shown on the drawings, can the customer please let us know where will these be installed?

**Response**

Drawing 05 and Drawing 06 are revised to include rigid ducts.

**Question No. 13**

Line item 3.15 has a quantity of 1 aluminum mast arm, whereas as per the drawings we would need two. Can this quantity be revised?

**Response**

The quantity for item 3.15 is revised to 1 ea.

**Question No. 14**

What is the depth of the mainline sanitary sewer where the new sanitary services are to be installed (in regards to Item Nos. 1.41 and 1.42)?



## **Response**

The depth of cover measured from surface grade elevation to the top of mainline sanitary sewer in these locations is approximately 4.5 m.

---

### **REVISIONS:**

#### **SECTION A – INFORMATION TO TENDERERS**

##### **Section A, Clause 23. Geotechnical Investigation,**

Replace Clause 23 - Geotechnical Investigation of Section A – Information to Tenderers, as follows:

A geotechnical investigation has not been provided for Smith Street, Arthur. Temporary excavations to conventional depths for installation of underground services must comply with Regulation 213/91 (Construction Projects) under the Occupational Health and Safety Act. The Soils contacted can be classified as Type 3.

It is anticipated that conventional sump pumping techniques will suffice to control the inflow of encountered groundwater.

Chemical analysis was not undertaken on Smith St, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

For Tendering purposes, regarding Excess Soil Management, it should be assumed that the Salt Absorption Ratio (SAR) will exceed the MOE Table 1 criteria but will not exceed Table 2 criteria for Industrial/Commercial/Community Property Use.

Table 1 and 2 are based on MOE's Standards. "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011".

#### **SECTION B – FORM OF TENDER**

Remove entire Section B – Form of Tender pages B-1 to B-24 and replace with attached Section B – Form of Tender pages (Addendum No. 1) B-1 to (Addendum No. 1) B-25.

Note:

Revised the estimated quantity for Item No. 2.13 - Luminaire and 2.4 m Bracket

Quantity revised to 1 ea.



Added New Item No. 2.23 Rotate Existing Luminaire and Bracket

Item added as a lump sum unit price.

Added New Item No. 2.24 Streetlight Cable System

Item added as a lump sum unit price.

Revised the estimated quantity for Item No. 3.09 – Rigid Duct, Direct Buried

Quantity revised to 10 m.

Revised the estimated quantity for Item No. 3.15 - Aluminium Mast Arm, 3.0 m

Quantity revised to 2 ea.

Added New Item No. 3.26 - Streetlight Cable System

Item added as a lump sum unit price.

Added New Item No. 3.27 – Flexible Duct, Directional Drilled

Quantity is 15 m.

## **SECTION C – SPECIAL PROVISIONS – ITEMS**

### **Section C – Special Provisions, Item No. 1.04 – Soil Excavation (Grading)**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Operation, and d) Excavation of Sidewalk and Curb and Gutter.

#### **a) Disposal of Excavation Materials**

***All excavated material***, except that material required for fill in ditches, boulevards, embankments, sub-excavation of topsoil etc. ***shall be the property of the Contractor*** and shall be disposed of off-site in accordance with the current version of the Ontario Regulation 406/19 On-Site and Excess Soil Management.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).



**Section C – Special Provisions, Item No. 1.12 – Supply, Excavate for and Install Storm Services Including Restoration**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Operation, d) Measurement for Payment, and e) Payment.

a) Disposal of Excavation Material

***All excavated material***, except that material required for fill in boulevard etc, ***shall be the property of the Contractor*** and shall be disposed of off-site except where material is required for fill areas.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).

**Section C – Special Provisions, Item No. 1.41 – Sanitary Sewer Service from Existing Sanitary Sewer to Property Line Including Restoration**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Operation, d) Material, e) Measurement for Payment, and f) Payment.

a) Disposal of Excavation Material

***All excavated material***, except that material required for fill in boulevard etc, ***shall be the property of the Contractor*** and shall be disposed of off-site except where material is required for fill areas.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).

**Section C – Special Provisions, Item No. 1.42 – Sanitary Sewer Service from Existing Sanitary to Property Line Marker Including Restoration**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Operation, d) Material, e) Measurement for Payment, and f) Payment.



a) Disposal of Excavation Material

***All excavated material***, except that material required for fill in boulevard etc, ***shall be the property of the Contractor*** and shall be disposed of off-site except where material is required for fill areas.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).

**Section C – Special Provisions, Item No. 1.44 – Water Services to Property Line Marker Including Restoration**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Material, d) Operation, and e) Payment.

a) Disposal of Excavation Material

***All excavated material***, except that material required for fill in boulevard etc, ***shall be the property of the Contractor*** and shall be disposed of off-site except where material is required for fill areas.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).

**Section C – Special Provisions, Item No. 1.45 – Insulation for Existing 19 mm Diameter Water Service Including Restoration**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Material, d) Operation, and e) Payment.

a) Disposal of Excavation Material

***All excavated material***, except that material required for fill in boulevard etc, ***shall be the property of the Contractor*** and shall be disposed of off-site except where material is required for fill areas.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test



results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).

### **Section C - Special Provisions, Item No. 2.08 – 9.14m Concrete Pole, Direct Buried**

Replace b) Operation, as follows. No changes to a) Material, c) Measurement for Payment, and d) Payment.

#### **b) Operation**

The Contractor shall supply the pole manufacturer with the hole spacing requirements for the installation of the solar luminaire and engine prior to purchase. Shop drawings must be submitted and approved prior to purchase and installation.

The poles shall be direct-buried, backfilled with compacted limestone screenings.

### **Section C – Special Provisions, Item No. 2.23 – Rotate Existing Luminaire and Bracket**

Add this special provision.

#### **a) Operation**

This item covers the removal, salvage, and reinstallation of the existing luminaire and bracket. The luminaire and bracket shall be rotated as shown on the Contract Drawings.

#### **b) Payment**

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

### **Section C – Special Provisions, Item Nos. 2.24 and 3.26 – Streetlight Cable System**

Add this special provision.

#### **a) Material**

The streetlight wiring shall be #6 Cu.RWU-90 complete with jacketed ground.

#### **b) Operation**

A sufficient length of wire shall be left coiled at the power supply source and attached to the pole to allow Wellington North Power to connect to the overhead secondary circuit. The Contractor shall make all connections to the light standards.



c) Payment

Payment shall be made on a lump sum basis for the supply, installation, and connection of all cabling required.

**Section C – Special Provisions, Item No. 3.27 – Flexible Duct, Directional Drilled**

Add this special provision.

a) Material

Flexible HDPE ducts shall be compliant with ASTM F2160-10.

b) Operation

The ducts are to be installed crossing Main Street in accordance with the configuration shown on the Contract Drawings. All costs associated with the supply and installation of the bends, wyes, and connection to the rigid duct shall be included in the above tender item.

c) Measurement for Payment

Measurement for payment shall be based on the lineal metre of duct drilled as shown on the Contract Drawings.

d) Payment

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

**Section C – Special Provisions, Item No. 4.01 – Water Services to Property Line Including Restoration**

Replace a) Disposal of Excavation Materials, as follows. No changes to b) Removal of Existing Pipes, c) Material, d) Operation, and e) Payment.

a) Disposal of Excavation Material

***All excavated material***, except that material required for fill in boulevard etc, ***shall be the property of the Contractor*** and shall be disposed of off-site except where material is required for fill areas.

Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.

Refer to Special Provisions – General, Section 7 (Management of Excess Materials).



---

**Attachments forming part of Addendum No. 1 (separate), as follows:**

---

**RFT 2024-007 Section A – Information to Tenderers (Addendum No. 1) (10 pages)**

**RFT 2024-007 Section B – Form of Tender (Addendum No. 1) (25 pages)**

**RFT 2024-007 Section C – Special Provisions - Items (Addendum No. 1) (32 Pages)**

**RFT 2024-007 Issued for Tender Drawing Set (Addendum No. 1) (10 pages)**

**Addendum No. 1 (11 pages) + Attachments (77 pages) (Total 88 pages)**

---

**End of Addendum No. 1**



TOWNSHIP OF WELLINGTON NORTH

CONTRACT NO. RFT 2024-007

INDEX TO SECTION A - INFORMATION TO TENDERERS

| <u>CLAUSE</u> | <u>DESCRIPTION</u>   | <u>PAGE</u> |
|---------------|--|-------------|
| 1.            | LOCATION AND SCOPE OF WORK   | A-1         |
| 2.            | DEFINITION OF OWNER AND CONTRACT ADMINISTRATOR   | A-1         |
| 3.            | TENDERS  | A-1         |
| 4.            | DISCREPANCIES  | A-2         |
| 5.            | TENDERER'S INVESTIGATIONS  | A-2         |
| 6.            | ACCEPTANCE OR REJECTION OF TENDERS   | A-3         |
| 7.            | CAPITAL BUDGET LIMITATIONS   | A-3         |
| 8.            | TENDER DEPOSIT BY: (A) BID BOND <b>OR</b> (B) CERTIFIED CHEQUE OR BANK/TRUST CO. DRAFT | A-3         |
| 9.            | SUPERSEDE OR WITHDRAWAL OF TENDER  | A-4         |
| 10.           | INFORMAL OR UNBALANCED TENDERS   | A-4         |
| 11.           | CONTRACT SECURITY  | A-5         |
| 12.           | AGREEMENT TO BOND  | A-5         |
| 13.           | ABILITY AND EXPERIENCE OF TENDERER   | A-5         |
| 14.           | ASSIGNMENT AND SUBLETTING  | A-6         |
| 15.           | AWARD AND EXECUTION OF CONTRACT  | A-6         |
| 16.           | ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT, 2005                                | A-7         |
| 17.           | ONTARIO REGULATION 429/07 (ACCESSIBLE STANDARDS FOR CUSTOMER SERVICES)                 | A-7         |
| 18.           | WORKPLACE SAFETY AND INSURANCE BOARD   | A-7         |
| 19.           | CONTRACTOR'S SCHEDULE OF WORK  | A-7         |
| 20.           | PROGRESS AND TIME FOR COMPLETION   | A-8         |
| 21.           | NAME MATERIALS & SUPPLIERS, APPROVED PRODUCTS LIST                                     | A-8         |
| 22.           | DISCLAIMER   | A-8         |
| 23.           | GEOTECHNICAL INVESTIGATION   | A-8         |
| 24.           | UTILITY CO-ORDINATION  | A-8         |
| 25.           | ROAD CLOSURE AND SITE ACCESS   | A-9         |
| 26.           | PUBLIC OPEN HOUSE  | A-9         |



1. LOCATION AND SCOPE OF WORK

The work is comprised of the reconstruction of Smith Street from Wells Street to Conestoga Street, Arthur and construction of pedestrian crossovers, various locations, in the Township of Wellington North as follows:

Section 1 – Reconstruction of Smith Street from Wells Street to Conestoga St, Arthur, including but not limited to Hot Mix Asphalt, Storm Sewer, Concrete Curb and Gutter and Concrete Sidewalk

Section 2 – Smith Street (at Conestoga Street) Pedestrian Crossover, Arthur

Section 3 – Main Street North (at Durham Street) Pedestrian Crossover, Mount Forest

and all other work necessary for a complete job in accordance with the details set out more specifically hereafter and as shown on the accompanying Contract Plans.

2. DEFINITION OF OWNER AND CONTRACT ADMINISTRATOR

Wherever the word "Owner", "Corporation" or Authority appears in this Contract, it may be interpreted as meaning the "Corporation of the Township of Wellington North".

Wherever the word "Ministry" or "Department of Highways" or "Department or Ministry of Transportation and Communications" appears, it shall mean the "Ministry of Transportation (MTO) for the Province of Ontario".

Wherever the word "Contract Administrator" or "Engineer" appears in this Contract, it shall be interpreted as meaning the "Consulting Engineers, Triton Engineering Services Limited" or such other officers as may be authorized by the Corporation to act in any particular capacity.

3. TENDERS

Sealed Tenders on the Form of Tender provided, clearly marked Tender for Contract No. RFT 2024-007, Attention: Tammy Stevenson, will be received at:

TOWNSHIP OF WELLINGTON NORTH  
7490 SIDEROAD 7W, PO Box 125  
KENILWORTH, ONTARIO  
N0G 2E0

until: **2:00 p.m. (Local Time), Tuesday March 13, 2024.**

Tender received shall be marked with the time and date of receipt, initialed by the individual receiving the Tender and recorded on a list of Bids received. Regardless of the time a bid is received, the time and date shall be marked. If the Tender is received after the closing time and date, it will not be accepted and will be returned unopened.

This tender is divided into sections. Sections will be reassessed when reviewing tenders and all or any of those sections may be deleted at the sole discretion of the Township.

This will be a public opening. All who submit a response will be advised of the outcome of the opening. Tenders and award of Contract are subject to the approval of the Corporation. The lowest or any Tender may not necessarily be accepted.

Should a qualified bid submission exceed the Township of Wellington North's budget provision for this project, the Township of Wellington North reserves the right to reject or recall the Tender.



The Corporation reserves the right to reject any or all Tenders and the lowest or highest as the case may be will not necessarily be accepted.

Should the Township of Wellington North receive only one (1) qualified and duly executed bid submission on commodities/services that have a known multiple source potential, the right is reserved to recall the Tender.

The Township of Wellington North reserves the right not to open a Tender call should the Township of Wellington North, in its opinion, to have an inadequate number of Tender responses to the Tender call and further the right is reserved to cancel and recall the Tender. Unopened Tenders will be returned to all Tenderers who responded.

The Form of Tender must be signed and sealed in the spaces provided on the form by an authorized official of the Tenderer. All entries in the Tender shall be clear and legible and made in ink. All items shall be tendered according to any instructions in the Tender documents and with entries made for unit price, lump sum, extensions and totals as appropriate. In case of an error in extending the unit prices, the unit price shall determine the tendered price. Alterations may be made providing they are legible and initialled by the Tenderer's signing officer. Tenders having any erasures or corrections thereon may be rejected unless explained or noted over the signature of the Tenderer's signing Officer.

Form of Tender document must be submitted as an original document, complete with the required, original, authorized signature(s). Corporate Seals are requested but are not mandatory. A seal does not need to be provided if the signer indicates authority to bind the corporation in writing and the signature is witnessed. If a joint bid is submitted, it must be signed on behalf of each of the bidders and if the signing authority for both bidders is the same individual, they shall sign separated on behalf of each bidder. Faxed or reproduced copies of originals are not acceptable. Failure to provide the above will disqualify the submission.

All required documents such as agreements to bond, bid bonds or tender deposits shall be enclosed in the same Tender envelope as the Tender. Agreement to bond or bid bond documents will be supplied as original documents complete with required, original, authorized signatures. Fax or reproduced copies of originals are not acceptable.

4. DISCREPANCIES

If a Tenderer finds discrepancies in, or omissions from the Contract documents, or if they are in doubt as to their meaning, they shall notify the Contract Administrator, who may issue a written addendum. Neither the Owner nor the Contract Administrator will make oral interpretations of the meaning of the Contract Documents.

Should the Tenderer not agree that the materials and methods specified or designed on the Drawings will provide an installation to meet the requirements of the project, they shall notify the Contract Administrator in writing stating their reasons for objection and may submit a suggested alternative. In such an event, the Contract Administrator may choose to issue an addendum.

Addenda issued during the tendering period shall be allowed for by the Tenderer. The stipulated price shall include the cost of all work/changes included in the addenda issued. Such addenda shall form part of the Contract documents. Acknowledge and note in space provided on the Form of Tender, the addenda numbers received to close of Tenders.

5. TENDERER'S INVESTIGATIONS

The Tenderer declares that in tendering for the work and in entering into the Contract, they have either investigated for themselves the character of the work to be done and all local conditions including the location of any utility which can be determined from the records or other information



available at the offices of any person, partnership, corporation, including the municipal corporation and any board or commission thereof, having jurisdiction or control over the utility, that might affect the Tender or acceptance of the work, or that, not having so investigated, and except as hereinafter provided they are willing to assume and does assume, all risk of conditions now existing or arising in the course of the work which might or could make the work, or any items thereof more expensive in character, or more onerous to fulfil, than was contemplated or known when the Tender was made or the Contract signed.

The Tenderer also declares that in tendering for the work and in entering into the Contract they did not and do not rely upon information furnished by the corporation or any of its servants or agents respecting the nature of conformation of the ground at the site of the work, or the location, character, quality and quantity of the materials to be removed, or to be employed in the construction of the work, or the character of the equipment or facilities needed to perform the work, or the general and local conditions and all other matters which could in any way affect the performance of the work under the Contract other than information furnished in writing for or in connection with the Tender or the Contract by the Contract Administrator, except information specifically excluded from this sub section.

6. ACCEPTANCE OR REJECTION OF TENDERS

The Owner shall not be responsible for any liabilities, costs, expenses, loss or damage incurred, sustained or suffered by any Tenderer prior or subsequent to or by reason of the acceptance or the non-acceptance by the Owner of any Tender or by reason of any delay in the acceptance of a tender. Tenders are subject to a formal Contract being prepared and executed. The Owner reserves the right to reject any or all tenders and to waive formalities, and shall reject any tender submitted where the Tenderer has an unresolved claim by or against the Corporation of the Township of Wellington North.

This tender is divided into sections. Sections will be reassessed when reviewing tenders and all or any of those sections may be deleted at the sole discretion of the Township.

7. CAPITAL BUDGET LIMITATIONS

Bidders are advised that there is a defined and limited budget for this project. The contract documents and scope of work may be modified so as to not exceed the budget and the Township has the right to award a contract on a modified or reduced basis.

8. TENDER DEPOSIT BY: (A) BID BOND **OR** (B) CERTIFIED CHEQUE OR BANK/TRUST CO. DRAFT

- (A) Every Tender shall be accompanied by a Bid Bond governed by the laws of the Province of Ontario, duly executed for an amount equal to **\$100,000.00**. The bid bond shall be issued in favour of the Township of Wellington North, in a form approved by the Corporation's Solicitor, supplied by a Surety Company authorized by law to carry on business in the Province of Ontario and to be valid for a period of not less than sixty (60) days from the Tender closing date. Payment shall be made forthwith in accordance with the terms of the bid bond to the Corporation if the successful Contractor fails to file with the Corporation the completed Contract bonds as specified, insurance documents, Workplace Safety and Insurance Board documents and Contractors Safety Policy, WSIB CAD-7 document as required and executed form agreement for the performance of the work prepared by the Township of Wellington North in accordance with this Tender and special provisions, plans, specifications and general conditions referred to in the Tender documents within fifteen (15) calendar days as specified from the date of acceptance of the Tender by the Township of Wellington North.



The bid bond of all but the lowest two (2) Tenderers will be returned within sixty (60) calendar days if requested and upon provision of all required documents by the successful Tenderer and a Contract has been executed.

**OR**

- (B) Submit with Tender, either a Certified Cheque or Bank/Trust Co. Draft payable to the Treasurer of the Township of Wellington North, for an amount equal to **\$100,000.00**. The Certified Cheque or Bank Draft of all but the lowest two (2) Tenderers will be returned within sixty (60) calendar days and upon provision of all required documents by the successful Tenderer and a Contract has been executed.

The proceeds of this cheque or draft shall, upon acceptance of the Tender, constitute a deposit which shall be forfeited to the Township of Wellington North if the successful Contractor fails to file with the Township of Wellington North the completed Contract bonds as specified, insurance documents, Workplace Safety and Insurance Board documents, Contractors Safety Policy, WSIB CAD-7 document, and an executed form of agreement for the performance of the work prepared by the Township of Wellington North in accordance with this Tender and the special provisions, plans, specifications and general conditions referred to in the Tender documents with fifteen (15) calendar days as specified from the date of acceptance of the Tender by the Township of Wellington North.

Notification of acceptance may be given and delivery of the form of agreement made by prepaid post addressed to the Contractor at the address contained in this tender.

9. SUPERSEDE OR WITHDRAWAL OF TENDER

A Tenderer who has already submitted a Tender may submit a further Tender at any time up to the official closing date. The last tender received shall supersede and invalidate all tenders previously submitted by that Tenderer for this Contract.

A Tenderer may withdraw their Tender at any time up to the official closing time by submitting a letter bearing their signature as in their Tender within an envelope, identifying the bid number, bidders name and address to the Corporation, who will mark thereof the time and date of receipt. No telegrams or telephone calls will be considered.

10. INFORMAL OR UNBALANCED TENDERS

Tenders which are incomplete, conditional, illegible or obscure, or that contain additions not called for, reservations, erasures, alterations or minor irregularities of any kind, may be rejected as informal.

Tenders that contain prices, including the unit prices for contingency items, which appear to be so unbalanced as likely to affect adversely the interests of the Owner may be rejected.

Wherever in a Tender the amount tendered for an item does not agree with the extension of the estimated quantity and the tendered unit price, the unit price shall govern and the amount and the Total Contract Price shall be corrected accordingly.

The Owner reserves the right to waive formalities at their discretion.

Tenderers who have submitted Tenders that have been rejected by the Owner because of informalities will normally be notified of the reasons for the rejection within ten (10) days after the closing date for Tenders.



11. CONTRACT SECURITY

The Contractor together with a satisfactory Guarantee Company resident in Canada or authorized by law to carry on business in the Province of Ontario will be required to enter into a Performance and a Labour and Material Payment Bond each governed by the laws of the Province of Ontario for the sum hereafter named, and in a form approved by the Township of Wellington North's Solicitor.

The Performance Bond will be for 100% of the total tendered amount and Labour and Material Bonds will be for 100% of the total tendered amount, excluding all taxes.

The above noted Performance and Labour and Material Bonds must be provided in triplicate within fifteen (15) calendar days as specified after written notice of Tender award by the Township of Wellington North.

The above noted Performance and Labour and Material Bonds shall remain in effect for a period not less than twenty-four (24) months after the Date of Substantial Performance.

Note: Include with submission a consent to surety document signed by a Surety Company authorized by law to carry on business in Ontario attesting to providing 100% Performance Bond, and a 100% Labour and Material Bond governed by the laws of the Province of Ontario and conforming to the instruments of Contract for the full and due performance of the works shown and described herein, and to be valid for a period of sixty (60) calendar days from the Tender closing date.

12. AGREEMENT TO BOND

Agreement to bond documents shall be enclosed in the same tender envelope as the Tender. All documents will be supplied as original documents complete with the required, original, authorized signatures. Fax or reproduced copies of originals are not acceptable.

An original Agreement to Bond based on the sample form included in Section B of these Tender documents is required with this Tender.

13. ABILITY AND EXPERIENCE OF TENDERER

The Owner reserves the right to reject the Tender of any Tenderer who does not furnish satisfactory evidence of sufficient capital, plant and experience to successfully execute and complete the work in the specified time.

In order to aid the Owner in determining the responsibility of each Tenderer, the Tenderer shall complete the following statement sheets which are included in Section B of the Tender documents.

Statement "A" - Stating the Tenderer's experience in similar work which they have successfully completed.

Statement "B" - Giving a list of the Tenderer's senior supervisory staff with a summary of the experience of each.

Statement "C" - Giving the description of the construction plant which the tenderer proposes to use, the equipment they have available or under their control, the equipment to be rented, and the equipment to be purchased.

The Tenderer may be required to furnish additional statements covering the above or other matters, including financial resources. Failure to comply with such requests or to provide written references, as requested, as to the Tenderer's ability and experience on projects of similar complexity shall disqualify the Tenderer.



14. ASSIGNMENT AND SUBLETTING

The Contractor agrees to submit a list of any sub-contractors (Statement "D") who will be carrying out any part of this Contract and shall show the type and value of work for which each sub-contractor will be responsible. Only one name shall be shown for each sub-trade.

The Tenderer shall make an entry against each sub-trade listed in Statement "D", either by naming the proposed sub-contractor or by entering "by own forces", whichever applies. Such information must be submitted in the Form of Tender.

It shall be a condition of this Contract that the successful Bidder shall be required to carry out, using their own forces, the minimum amount of fifty percent (50%) of the total work assigned. That is, the prime Contractor shall not sub-contract more than fifty percent (50%) of the assigned work.

15. AWARD AND EXECUTION OF CONTRACT

The award of this tender maybe subject to the approval of the Council of the Township of Wellington North.

The Contract Administrator when so instructed by the Owner shall forward three (3) complete copies of the Contract Documents to the successful Tenderer for execution. The Tenderer agrees that if they have been notified that their Tender has been accepted and awarded by the Owner, they will execute Articles of Agreement in triplicate in the form bound herein, fifteen (15) calendar days after being notified so to do by the Owner, or anyone acting on their behalf. Three (3) copies of the Contract Documents, fully executed on behalf of the Contractor shall be forwarded for acceptance by the Owner, together with the following, in triplicate:

- a) Evidence of Commercial General Liability and Completed Operations Insurance and Automobile Liability Insurance in an amount not less than five million dollars (\$5,000,000.00) each, in accordance with the insurance requirements of the latest Ontario Provincial Standards General Conditions and to be complete with an endorsement naming the Township of Wellington North and its agents, as an additional insured for liability with respect to this Tender. Upon award of the Contract, the Contractor must maintain coverage stated above throughout the Contract period.
- b) Performance Bond, and Labour and Material Payment Bond.
- c) Evidence of good standing with Workplace Safety and Insurance Board.
- d) Notice of Project as issued by the Ministry of Labour.
- e) The Township of Wellington North will further require a copy of the Contractor's Safety Policy and a copy of their method of implementation.

The Contractor shall indemnify and hold harmless the Owner, their agents and employees for any contraventions of the Occupational Health and Safety Act, (most current legislation) and for all legal costs incurred in the event that charges are brought against the Owner pursuant to the act. The Owner, their agents and employees have no authority under the contract to supervise the contracted work.

- f) The Contractor shall supply documentation (CAD-7) to illustrate the severity and frequency of critical injuries as illustrated below detailing the Contractor's record of both of the past three (3) years based upon the following formulas.

$$\frac{\text{Number of Loss Time} \times 1,000.00 \text{ person hours}}{\text{Number of Person Hours Worked}} = \text{Frequency}$$



$$\frac{\text{Number of Loss Work Days} \times 1,000.00 \text{ person hours}}{\text{Number of Person Hours Worked}} = \text{Severity}$$

“Critical Injury” means an injury of a serious nature that,

- i) places life in danger
- ii) produces unconsciousness
- iii) results in a substantial loss of blood
- iv) involves a fracture of a leg, arm, hand or foot but not a finger or toe
- v) involves the amputation of a leg, arm, hand or foot but not a finger or toe
- vi) consists of burns to a major portion of the body, or
- vii) causes loss of sight in an eye

If the successful Tenderer fails to execute the Contract Documents within the time specified in this Tender, the Corporation may grant additional time to fulfill the necessary requirement or may recommend one of the following:

- a) that the Contract shall be awarded to the next low bidder.
- b) That the Contract shall be cancelled.

In either case, the Tender Bid Deposit of the Successful Tenderer shall be forfeited. All Tenders shall be confirmed by executed Contract or Letter of Award.

16. ACCESSIBILITY FOR ONTARIANS WITH DISABILITIES ACT, 2005

In accordance with the Accessibility for Ontarians with Disabilities Act, 2005, S.O. 2005, c.11, the Township shall have regard to the accessibility for persons with disabilities in respect to goods and services purchased by the Township.

17. ONTARIO REGULATION 429/07 (ACCESSIBLE STANDARDS FOR CUSTOMER SERVICES)

In accordance with Section 6 of Ontario Regulation 429/07, Accessible Standards for Customer Service, the Contractor is responsible to ensure that all of its employees, volunteers and others for which the Contractor is responsible are adequately trained as per the Township of Wellington North Occupational Health and Safety Policy.

18. WORKPLACE SAFETY AND INSURANCE BOARD

The Township of Wellington North will also require evidence within fifteen (15) calendar days of the written award notice that the successful bidder is in good standing with the Workplace Safety and Insurance Board.

Note: All Independent Operators are required to indicate that they are, in fact, Independent Operators on the Form of Tender and will be required to meet the most recent requirements of the Workplace Safety and Insurance Board. Vendors will continue to maintain good standings as required.

19. CONTRACTOR'S SCHEDULE OF WORK

The Contractor shall, upon award of this Contract, prepare a Schedule of Work. The Schedule of Work outlining the items to be completed is to be submitted to the Contract Administrator before commencement of the work. If changes to the Schedule become necessary, the Contractor shall revise the Schedule and resubmit it to the Contract Administrator.



20. PROGRESS AND TIME FOR COMPLETION

The Contractor's attention is hereby drawn to Clause 9 of Section D - Special Provisions – General.

21. NAME MATERIALS & SUPPLIERS, APPROVED PRODUCTS LIST

When an article is specified by its trade or other name (whether such name is followed by the phrase 'or approved equivalent' or not), the Tenderer shall base his Tender price on the supply of the named article and no other.

22. DISCLAIMER

The successful Tenderer shall assume financial responsibility for loss or damage to their equipment while performing work covered by the Tender and personal injury sustained by themselves and/or their employees engaged in this work. The successful Tenderer shall be responsible for any damage to property or services arising out of the performance of the work covered by this Tender and shall indemnify and save harmless the Township of Wellington North from all claims arising out of the performance of said work. The Contractor shall ensure they are in complete compliance with the latest requirements of the Occupational Health and Safety Act.

23. GEOTECHNICAL INVESTIGATION

***A geotechnical investigation has not been provided for Smith Street, Arthur. Temporary excavations to conventional depths for installation of underground services must comply with Regulation 213/91 (Construction Projects) under the Occupational Health and Safety Act. The Soils contacted can be classified as Type 3.***

***It is anticipated that conventional sump pumping techniques will suffice to control the inflow of encountered groundwater.***

***Chemical analysis was not undertaken on Smith St, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***For Tendering purposes, regarding Excess Soil Management, it should be assumed that the Salt Absorption Ratio (SAR) will exceed the MOE Table 1 criteria but will not exceed Table 2 criteria for Industrial/Commercial/Community Property Use.***

***Table 1 and 2 are based on MOE's Standards. "Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, April 15, 2011".***

24. UTILITY CO-ORDINATION

Utilities which have been designated for re-location as a result of the work under this Contract will be carried out by the utility companies prior to, during and after the construction work. The Contractor shall co-ordinate their work with the utility companies and shall schedule their work as necessary to allow for the re-locations.

The Contractor shall have no claim against the Township for any costs associated with these utility re-locations or any delays resulting from the scheduling of these re-locations.



25. ROAD CLOSURE AND SITE ACCESS

- a) Contractor shall always maintain one (1) lane of two (2) way traffic and reopen to (2) lanes of traffic at the end of each working day.
- b) Local access and access for emergency vehicles must be maintained at all times.
- c) It will be the Contractor's responsibility to install and maintain all signs and barriers adjacent to and on the site in accordance with the Ontario Traffic Manual, Book 7 and Ontario Occupational Health and Safety Act.
- d) It will be the Contractor's responsibility to maintain access for garbage and blue boxes for pick-up.

26. PUBLIC OPEN HOUSE

Once the Contract is awarded, the Township will host a public open house to review the reconstruction project with affected residents. It is expected that the Contractor will have a representative present at the public open house. The date of the public open house is to be determined following Contract award.



FORM OF TENDER

RECONSTRUCTION OF SMITH STREET, ARTHUR AND CONSTRUCTION OF PEDESTRIAN  
CROSSOVERS, SMITH STREET, ARTHUR AND MAIN STREET NORTH, MOUNT FOREST

CONTRACT NO. RFT 2024-007

TO: THE CORPORATION OF THE TOWNSHIP OF WELLINGTON NORTH

This Tender is Submitted by

\_\_\_\_\_  
Firm Name

\_\_\_\_\_  
Address  
\_\_\_\_\_

\_\_\_\_\_  
Telephone No.

1. I, \_\_\_\_\_  
of \_\_\_\_\_

DECLARE that no person, firm or corporation other than the one whose signature or the signature of whose proper officers and the 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 connection, knowledge, comparison of figures or arrangements 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 member of the Township Council or any officer of the Corporation of the Township of Wellington North is or will become interested directly or indirectly as a contracting party or otherwise in or in the performance of the Contract, or in the supplies, work or business to which it relates or in any portion of the profits thereof, or of any such supplies to be used therein or in any of the monies to be derived therefrom.

4. I FURTHER DECLARE that the several matters stated in the said Tender are in all respects true.

5. I FURTHER DECLARE that I have carefully examined locality and site of the proposed works, as well as all the Drawings, Form of Tender, Information to Tenderers, Specifications, Special Provisions, General Conditions, Agreement to Bond, and Addenda No. \_\_\_\_\_ to Addenda No. \_\_\_\_\_ relating to the said Contract, and hereby acknowledge the same to be part and parcel of any Contract to be let for the work therein described or defined.



6. I do hereby tender and offer to enter into a Contract, to do all of the work and to furnish all necessary labour, machinery, tools, apparatus and other means of construction, and to provide, furnish, deliver and place all materials described, in strict accordance with the plans, specifications and supplemental specifications and to accept in full payment therefore, the sums calculated in accordance with the actual measured quantities at the unit prices, or lump sum prices where applicable, set forth in the Tender hereinafter.

7. In the event that the Tender provides for and contains a Provisional Item or Contingency Allowance, it is understood and agreed that such Provisional Item or Contingency Allowance is merely for the convenience of accounting by the Owner and the Contractor is not entitled to payment thereof except for extra or additional work carried out by him as directed by the Contract Administrator and in accordance with the Contract and only to the extent of such extra or additional work.

8. I acknowledge that there is a defined and limited budget(s) for this project. If so required, the contract documents and scope of work may be modified so as not to exceed this budget(s) and the Township has the right to award a contract on a modified or reduced basis.

9. The tender price is compiled from the Schedule of Unit Prices included hereinafter. The quantities in the Schedule being approximate, I agree that the final valuation will be made on the basis of actual quantities measured during and on completion of the work at the prices in the schedule.

I agree that the valuation of additions to, and deductions from, the Contract shall be made as follows:

- a) The prices in the Schedule of Unit Prices shall apply where appropriate.
- b) If the prices in the Schedule of Unit Prices are not appropriate, valuation will be made by one of the following methods:
  - i) The Contract Administrator may ask the Contractor for a quotation for the proposed work.
  - ii) If the quotation referred to above is not accepted by the Contract Administrator, the actual cost of the work will be determined in accordance with GC8.02.05 - General Conditions.



SCHEDULE OF UNIT PRICES  
CONTRACT NO. RFT 2024-007

In the column headed "Spec. No.", the number refers to the latest issue of the Ontario Provincial Standard Specification. Where the number is preceded by "M", the number refers to the latest issue of the Ontario Provincial Standards for Roads and Public Works - Volume 7 - Municipal Oriented. "S.P." refers to the Special Provision.

| ITEM NO.  | SPEC. NO.            | DESCRIPTION  | ESTIMATED QUANTITY | UNIT           | UNIT PRICE | TOTAL PRICE |
|---|----------------------|--|--------------------|----------------|------------|-------------|
| <b>SECTION 1 --- SMITH STREET (ARTHUR)<br/>ROADS AND DRAINAGE</b> |                      |  |                    |                |            |             |
| 1.01  | M706<br>M708<br>S.P. | Traffic and Pedestrian Control   | 100%               | L.S.           |            |             |
| 1.02  | M180<br>M510<br>S.P. | Removal of Full Depth of Bituminous Pavement In the Roadway  | 9,300              | m <sup>2</sup> |            |             |
| 1.03  | M180<br>M510<br>S.P. | Removal of Full Depth of Bituminous Pavement In Driveways and Boulevards   | 400                | m <sup>2</sup> |            |             |
| 1.04  | M206<br>S.P.         | Soil Excavation (Grading)  | 150                | m <sup>3</sup> |            |             |
| 1.05  | M180<br>M510         | Removal of Concrete Sidewalk   | 220                | m <sup>2</sup> |            |             |
| 1.06  | M180<br>M510         | Removal of Concrete Curb and Gutter  | 500                | m              |            |             |
| 1.07  | M510<br>S.P.         | Remove Existing Frame and Grate  | 25                 | Each           |            |             |
| 1.08  | M510<br>S.P.         | Remove Existing Frame and Cover  | 2                  | Each           |            |             |
| 1.09  | M410<br>S.P.         | Supply, Excavate For and install 300 mm Diameter Storm Sewer   | 15                 | m              |            |             |
| 1.10  | 407<br>S.P.          | Construct 600 mm x 600 mm Catchbasin (OPSD-705.010)  | 1                  | Each           |            |             |
| 1.11  | M510<br>S.P.         | Break Into and Connect to Existing 600 mm x 600 mm Catchbasin  | 1                  | Each           |            |             |
| 1.12  | M405<br>M492<br>S.P. | Supply, Excavate For and Install 100 mm Diameter Storm Service From Existing Storm Sewer to Property Line, Including 50 mm x 75 mm Marker at Property Line Including Restoration | 2                  | Each           |            |             |
| 1.13  | 407<br>S.P.          | Supply and Install Catchbasin Frame and Grate (OPSD-400.110)   | 26                 | Each           |            |             |



## SECTION B - FORM OF TENDER

(Addendum No.1) B-4

| ITEM NO. | SPEC. NO.      | DESCRIPTION   | ESTIMATED QUANTITY | UNIT           | UNIT PRICE | TOTAL PRICE |
|----------|----------------|---|--------------------|----------------|------------|-------------|
| 1.14     | 407 S.P.       | Supply and Install AutoStable Maintenance Hole Frame and Cover (OPSD-401.010, Type "A") | 2                  | Each           |            |             |
| 1.15     | M314 M501 S.P. | Granular 'B', Type III  | 300                | Tonne          |            |             |
| 1.16     | M314 M501 S.P. | Granular 'A'  | 2,250              | Tonne          |            |             |
| 1.17     | M506           | Calcium Chloride  | 3,000              | Kg             |            |             |
| 1.18     | M501           | Water For Compaction and Dust Control   | 100                | m <sup>3</sup> |            |             |
| 1.19     | M180 M510 S.P. | Mechanically Cut Existing Concrete Curb   | 16                 | m              |            |             |
| 1.20     | M353           | Concrete Curb and Gutter (All Types)  | 500                | m              |            |             |
| 1.21     | 351 S.P.       | Concrete Sidewalk (OPSD-310.010, 310.020 and 310.030)                                   | 250                | m <sup>2</sup> |            |             |
| 1.22     | M351 S.P.      | Tactile Warning Plates  | 17                 | Each           |            |             |
| 1.23     | M310 S.P.      | Sawcut Bituminous Pavement  | 130                | m              |            |             |
| 1.24     | M310 S.P.      | Cold Planing Existing Asphalt (Minimum Depth 40 mm)                                     | 200                | m <sup>2</sup> |            |             |
| 1.25     | M310 S.P.      | Hot Mix Asphalt HL 8 Binder Course  | 2,000              | Tonne          |            |             |
| 1.26     | M310 S.P.      | Hot Mix Asphalt HL 3 Surface Course   | 1,300              | Tonne          |            |             |
| 1.27     | M310 SP        | Trackless Tack Coat   | 18,600             | m <sup>2</sup> |            |             |
| 1.28     | M310 M311 S.P. | Hot Mix Asphalt HL 3F in Driveways Residential and Boulevards                           | 400                | m <sup>2</sup> |            |             |
| 1.29     | M310 M311 S.P. | Hot Mix Asphalt HL 3F in Driveways Commercial   | 220                | m <sup>2</sup> |            |             |
| 1.30     | M410 S.P.      | Supply and Install Outlet Grate   | 1                  | Each           |            |             |
| 1.31     | 511 S.P.       | Hand placed Rip Rap Including Geotextile  | 20                 | m <sup>2</sup> |            |             |
| 1.32     | S.P.           | Clean Out and Regrade Ditch   | 60                 | m              |            |             |



## SECTION B - FORM OF TENDER

(Addendum No.1) B-5

| ITEM NO.  | SPEC. NO.                    | DESCRIPTION  | ESTIMATED QUANTITY | UNIT           | UNIT PRICE | TOTAL PRICE |
|---|------------------------------|--|--------------------|----------------|------------|-------------|
| 1.33  | M492<br>M802<br>M803<br>S.P. | Regrade Overburden Behind Sidewalk Including Restoration | 400                | m <sup>2</sup> |            |             |
| 1.34  | M802<br>S.P.                 | Topsoil (Imported)                                       | 300                | m <sup>2</sup> |            |             |
| 1.35  | M803<br>S.P.                 | Sodding  | 300                | m <sup>2</sup> |            |             |
| 1.36  | 710<br>S.P.                  | Pavement Marking, 45 cm                                  | 30                 | m              |            |             |
| 1.37  | 710<br>S.P.                  | Pavement Marking, 10 cm                                  | 2,700              | m              |            |             |
| 1.38  | 710<br>S.P.                  | Pavement Marking, Symbols                                | 14                 | Each           |            |             |
| <b>SUB-TOTAL - SECTION 1 --- ROADS AND DRAINAGE</b> |                              |  |                    |                |            | \$ _____    |











| ITEM NO.                                     | SPEC. NO. | DESCRIPTION                   | ESTIMATED QUANTITY | UNIT | UNIT PRICE | TOTAL PRICE |
|--|-----------|-------------------------------|--------------------|------|------------|-------------|
| SECTION 1 --- MISCELLANEOUS                  |           |                               |                    |      |            |             |
| 1.47   | S.P.      | Construction Layout           | 100%               | L.S. |            |             |
| 1.48   |           | Provide Bonding and Insurance | 100%               | L.S. |            |             |
| TOTAL - SECTION 1 --- MISCELLANEOUS          |           |                               |                    |      |            | \$ _____    |
| TOTAL - SECTION 1 --- SMITH STREET, (ARTHUR) |           |                               |                    |      |            | \$ _____    |



| ITEM NO.  | SPEC. NO. | DESCRIPTION  | ESTIMATED QUANTITY | UNIT           | UNIT PRICE | TOTAL PRICE |
|---|-----------|--|--------------------|----------------|------------|-------------|
| <b>SECTION 2 --- SMITH STREET PEDESTRIAN CROSSING, ARTHUR</b> |           |  |                    |                |            |             |
| 2.01  | M706 S.P. | Traffic and Pedestrian Control   | 100%               | L.S.           |            |             |
| 2.02  | M510      | Removal of Concrete Sidewalk   | 3                  | m <sup>2</sup> |            |             |
| 2.03  | M351 S.P. | Concrete Sidewalk  | 3                  | m <sup>2</sup> |            |             |
| 2.04  | M351 S.P. | Tactile Warning Plate  | 2                  | Each           |            |             |
| 2.05  | S.P.      | Rigid Duct, Direct Buried  | 15                 | m              |            |             |
| 2.06  | S.P.      | Supply and Install Traffic Signs   | 14                 | Each           |            |             |
| 2.07  | M620 S.P. | Double Sided Rectangular Rapid Flashing Beacon, Including Solar Engine and Audible Pedestrian Pushbutton | 2                  | Each           |            |             |
| 2.08  | S.P.      | 9.14 m Concrete Pole, Direct Buried  | 1                  | Each           |            |             |
| 2.09  | M615 S.P. | 6.0 m Steel Pole, Base Mounted   | 1                  | Each           |            |             |
| 2.10  | M616      | Concrete Base For Signal Poles   | 1                  | Each           |            |             |
| 2.11  | M620 S.P. | Aluminum Mast Arm, 3.6 m   | 1                  | Each           |            |             |
| 2.12  | M620 S.P. | Aluminum Mast Arm, 4.6 m   | 1                  | Each           |            |             |
| 2.13  | 617 S.P.  | Luminaire and 2.4 m Bracket  | <b>1</b>           | Each           |            |             |
| 2.14  | M710 S.P. | Pavement Marking, Obliteration   | 100%               | L.S.           |            |             |
| 2.15  | M710 S.P. | Pavement Marking, Durable, 10cm  | 100%               | L.S.           |            |             |
| 2.16  | M710 S.P. | Pavement Marking, Durable, 45cm  | 100%               | L.S.           |            |             |
| 2.17  | M710 S.P. | Pavement Marking, Durable, "Shark Tooth" Yield Lines   | 100%               | L.S.           |            |             |
| 2.18  | S.P.      | Remove Existing Traffic Signs  | 2                  | Each           |            |             |
| 2.19  | M802 S.P. | Topsoil (Imported)   | 3                  | m <sup>2</sup> |            |             |
| 2.20  | M803 S.P. | Sodding  | 3                  | m <sup>2</sup> |            |             |
| 2.21  | S.P.      | Construction Layout  | 100%               | L.S.           |            |             |



## SECTION B - FORM OF TENDER

(Addendum No.1) B-10

| ITEM NO.  | SPEC. NO.   | DESCRIPTION   | ESTIMATED QUANTITY | UNIT               | UNIT PRICE | TOTAL PRICE     |
|---|-------------|---|--------------------|--------------------|------------|-----------------|
| 2.22  |             | Provide Bonding and Insurance                       | 100%               | L.S.               |            |                 |
| <b>2.23</b>   | <b>S.P.</b> | <b><i>Rotate Existing Luminaire and Bracket</i></b> | <b><i>100%</i></b> | <b><i>L.S.</i></b> |            |                 |
| <b>2.24</b>   | <b>S.P.</b> | <b><i>Streetlight Cable System</i></b>              | <b><i>100%</i></b> | <b><i>L.S.</i></b> |            |                 |
| <b>SUB-TOTAL - SECTION 2 --- SMITH STREET PEDESTRIAN CROSSING, ARTHUR</b> |             |   |                    |                    |            | <b>\$ _____</b> |



| ITEM NO.   | SPEC. NO.                    | DESCRIPTION  | ESTIMATED QUANTITY | UNIT           | UNIT PRICE | TOTAL PRICE |
|--|------------------------------|--|--------------------|----------------|------------|-------------|
| <b>SECTION 3 --- MAIN STREET PEDESTRIAN CROSSING, MOUNT FOREST</b> |                              |  |                    |                |            |             |
| 3.01   | M706 S.P.                    | Traffic and Pedestrian Control   | 100%               | L.S.           |            |             |
| 3.02   | M510                         | Removal of Concrete Sidewalk   | 20                 | m <sup>2</sup> |            |             |
| 3.03   | M180<br>M353<br>M510<br>S.P. | Removal & Replacement of Concrete Curb Including Road Restoration  | 30                 | m              |            |             |
| 3.04   | M441<br>M492<br>S.P.         | Remove, Salvage, Supply for and Install New Fire Hydrant Set Including Restoration                       | 100%               | L.S.           |            |             |
| 3.05   | M510 S.P.                    | Remove Existing Frame and Grate  | 1                  | Each           |            |             |
| 3.06   | M407 S.P.                    | Supply and Install Catchbasin Frame and Grate (OPSD-400.110)   | 1                  | Each           |            |             |
| 3.07   | M351 S.P.                    | Concrete Sidewalk  | 35                 | m <sup>2</sup> |            |             |
| 3.08   | M351 S.P.                    | Tactile Warning Plate  | 20                 | Each           |            |             |
| 3.09   | S.P.                         | Rigid Duct, Direct Buried  | <b>10</b>          | m              |            |             |
| 3.10   | S.P.                         | Supply and Install Traffic Signs   | 14                 | Each           |            |             |
| 3.11   | M620 S.P.                    | Double Sided Rectangular Rapid Flashing Beacon, Including Solar Engine and Audible Pedestrian Pushbutton | 2                  | Each           |            |             |
| 3.12   | M615 S.P.                    | 6.0 m Steel Pole, Base Mounted   | 1                  | Each           |            |             |
| 3.13   | M615 S.P.                    | 9.0 m Steel Pole, Base Mounted   | 1                  | Each           |            |             |
| 3.14   | M616                         | Concrete Base For Signal Poles   | 2                  | Each           |            |             |
| 3.15   | M620 S.P.                    | Aluminum Mast Arm, 3.0 m   | <b>2</b>           | Each           |            |             |
| 3.16   | 617 S.P.                     | Luminaire and 2.4 m Bracket  | 1                  | Each           |            |             |
| 3.17   | M710 S.P.                    | Pavement Marking, Obliteration   | 100%               | L.S.           |            |             |
| 3.18   | M710 S.P.                    | Pavement Marking, Durable, 10cm  | 100%               | L.S.           |            |             |
| 3.19   | M710 S.P.                    | Pavement Marking, Durable, 45cm  | 100%               | L.S.           |            |             |







| ITEM NO.                              | SPEC. NO. | DESCRIPTION   | ESTIMATED QUANTITY | UNIT | UNIT PRICE | TOTAL PRICE |
|---------------------------------------|-----------|---|--------------------|------|------------|-------------|
| SECTION 4 --- PROVISIONAL             |           |   |                    |      |            |             |
| 4.01                                  | M441 S.P. | Supply, Excavate For and Install 19 mm Diameter Water Service, Including Connection to Existing Watermain and Existing Service at Property Line (Hse 320 and 330) | 2                  | Each |            |             |
| SUB-TOTAL - SECTION 4 --- PROVISIONAL |           |   |                    |      |            | \$ _____    |



| ITEM NO.   | SPEC. NO. | DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT PRICE | TOTAL PRICE |
|--|-----------|-------------|--------------------|------|------------|-------------|
| <b>TOTAL - SECTION 1 --- SMITH STREET, ARTHUR</b>                          |           |             |                    |      |            | \$ _____    |
| <b>TOTAL - SECTION 2 --- SMITH STREET PEDESTRIAN CROSSING, ARTHUR</b>      |           |             |                    |      |            | \$ _____    |
| <b>TOTAL - SECTION 3 --- MAIN STREET PEDESTRIAN CROSSING, MOUNT FOREST</b> |           |             |                    |      |            | \$ _____    |
| <b>TOTAL - SECTION 4 --- PROVISIONAL</b>                                   |           |             |                    |      |            | \$ _____    |
| <b>TOTAL CONTRACT PRICE (Excluding H.S.T.)</b>                             |           |             |                    |      |            | \$ _____    |

Note: This tender is divided into sections. Sections will be reassessed when reviewing tenders and all or any of those sections may be deleted at the sole discretion of the Township.

A bid bond, certified cheque or bank/trust co. draft for the sum of \$ \_\_\_\_\_ is enclosed.



10. I agree that this offer is to continue open to acceptance until the formal Contract is executed by the successful Tenderer for the said work or until sixty days (60) after the tender closing date, whichever event first occurs, and that the Township may at any time within that period, without notice, accept this tender.
11. Except as provided for in Clause 9 of Section A – Information to Tenderers, I agree that if I withdraw this tender at any time prior to sixty (60) days after the tender closing date, the amount of the deposit accompanying this Tender shall be forfeited to the Corporation and any other additional costs that may be incurred by the Corporation may be assessed to the Tenderer.
12. I agree that the awarding of the Contract based on this Tender by the Council of the said Corporation shall be an acceptance of this Tender.
13. If this Tender is accepted, I agree to furnish an approved Surety Bond for the proper fulfilment of the Contract as required and to execute the Contract Documents in triplicate, within fifteen (15) calendar days after being notified to do so. In the event of default or failure on our part to do so, I agree that the Corporation of the Township of Wellington North shall be at liberty to accept the next lowest or any Tender or to advertise for new tenders, or to carry out the works in any other way they deem best.
14. If this Tender is accepted, I agree to complete the works as specified within the time for completion specified in the Contract. I will pay to the Corporation the sum specified in the Contract as liquidated damages (when applicable), for each calendar day that the work under the Contract, as expressly modified by all Contract Change Orders issued by the Contract Administrator, remains uncompleted after the expiry of the Time for Completion specified in the Contract or after the expiry of the extended time for completion allowed in writing by the Contract Administrator.
15. I propose the Bonding Company named hereunder

---

(Name of Bonding Company)

A company which is willing to become bound with \_\_\_\_\_  
in the amount designated for the due performance and fulfilment of the Contract, for which this is a tender.



AGREEMENT TO BONDCONTRACT NO. RFT 2024-007

We, the undersigned, hereby agree to become bound as Surety for

---

in a Performance Bond totaling One Hundred Per Cent (100%) and a Labour and Material Payment Bond totaling One Hundred Per Cent (100%) of the Contract amount, and conforming to the Instruments of Contract attached hereto, for the full and due performance of the works shown as described herein if the Tender

---

\_\_\_\_\_ is accepted by the Owner.

It is a condition of this Agreement that if the above mentioned Tender is accepted, application for a Performance Bond and a Labour and Material Payment Bond must be completed with the undersigned within fifteen (15) calendar days of acceptance of the tender related thereto, otherwise this Agreement shall be null and void.

DATED THIS \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_\_

\_\_\_\_\_  
Name of Bonding Company

\_\_\_\_\_  
Signature of Authorized Person Signing for Bonding Company  
(Company Seal)

\_\_\_\_\_  
Position



STATEMENT "A"TENDERER'S EXPERIENCE IN SIMILAR WORKSINCE January 1<sup>st</sup>, 2021

| YEAR<br>COMPLETED | DESCRIPTION<br>OF CONTRACT | FOR WHOM WORK<br>PERFORMED<br>(Including Contact<br>Information) | NAME OF CONSULTANT<br>OR ENGINEER<br>(Including Contact<br>Information) | VALUE |
|-------------------|----------------------------|--|---|-------|
|-------------------|----------------------------|--|---|-------|



STATEMENT "B"

TENDERER'S SENIOR SUPERVISORY STAFF

| <u>NAME</u> | <u>APPOINTMENT</u> | <u>QUALIFICATIONS<br/>AND EXPERIENCE</u> |
|-------------|--------------------|--|
|-------------|--------------------|--|



STATEMENT "C"

PROPOSED CONSTRUCTION PLANT

PLANT AVAILABLE:

PLANT TO BE RENTED:

PLANT TO BE PURCHASED:



STATEMENT "D"LIST OF PROPOSED SUB-CONTRACTORS

Clause 14 of Section A - Information for Tenderers requires the Tenderer to list on this Statement Sheet, the name of each proposed sub-contractor. For the Tenderer's convenience and to ensure that a complete list is submitted with the Tender, a list of possible sub-trades has been printed below. The Tenderer shall make an entry against each possible sub-trade listed, either by naming the proposed sub-contractor or by entering "by own forces", whichever applies.

If in addition, the Tenderer proposes to sublet a part of the work which is not listed below, he shall add the sub-trade and the proposed sub-contractor's name to the list.

| <u>SUB-TRADE</u>         | <u>NAME AND ADDRESS OF<br/>PROPOSED SUB-CONTRACTOR</u> | <u>VALUE OF<br/>SUB-CONTRACT</u> |
|--------------------------|--|----------------------------------|
| Soil Excavation          |  |                                  |
| Granular Materials       |  |                                  |
| Asphalt Paving           |  |                                  |
| Concrete Curb and Gutter |  |                                  |
| Concrete Sidewalk        |  |                                  |
| Watermains               |  |                                  |
| Sanitary/Storm Sewers    |  |                                  |
| Landscaping              |  |                                  |

Note To Tenderer - Refer to Clause 14 of Section A - Information To Tenderers



SCHEDULE OF PROVISIONS, PLANS, STANDARD DRAWINGS, SPECIFICATIONS AND GENERAL CONDITIONSCONTRACT NO. RFT 2024-007

The work specified in this Contract will be performed in strict accordance with the following Provisions, Plans, Standard Drawings, Specifications and General Conditions.

SPECIAL PROVISIONS

Special Provisions -- Items  
Special Provisions -- General

PLANS

Cover Sheet

- Drawing No. 01 - Reconstruction of Smith Street (Arthur) – Plan, Sta. Wells Street to 0+580 m
- Drawing No. 02 - Reconstruction of Smith Street (Arthur) - Plan, Sta. 0+580 m to 0+220 m
- Drawing No. 03 - Reconstruction of Smith Street (Arthur) - Plan, Sta. 0+220 m to Conestoga Street
- Drawing No. 04 - Sections and Detailed Drawings
- Drawing No. 05 - PXO Construction, Smith Street, Arthur - Plan
- Drawing No. 06 - PXO Construction, Main Street, Mount Forest - Plan
- Drawing No. PM1 - Pavement Marking Plan Smith Street (Arthur) – Wells Street to 0+580 m
- Drawing No. PM2 - Pavement Marking Plan Smith Street (Arthur) – 0+580 m to 0+220 m
- Drawing No. PM3 - Pavement Marking Plan Smith Street (Arthur) – 0+220 m to Conestoga Street

ONTARIO PROVINCIAL STANDARD DRAWINGS

- OPSD-216.010 (Rev. 2) - Boulevard Treatments, Urban Sections
- OPSD-216.020 (Rev. 2) - Hot Mix, Concrete, and Composite Pavement On Granular Base, Urban Section
- OPSD-310.010 (Rev. 3) - Concrete Sidewalk
- OPSD-310.020 (Rev. 3) - Concrete Sidewalk Adjacent to Curb and Gutter
- OPSD-310.033 - Concrete Sidewalk Ramps at Unsignalized Intersections
- OPSD-310.039 (Rev. 1) - Concrete Sidewalk Ramps Tactile Walking Surface Indicators Component
- OPSD-310.040 (Rev. 3) - Utility Isolation in Concrete Sidewalks
- OPSD-310.050 (Rev. 3) - Concrete Sidewalk Driveway Entrance Details
- OPSD-350.010 (Rev. 2) - Urban Industrial, Commercial, and Apartment Entrances
- OPSD-351.010 (Rev. 2) - Urban Residential Entrance
- OPSD-400.110 (Rev. 3) - Cast Iron, Square Frame with Square Overflow Type Flat Grate for Catch Basins, Perforated Openings
- OPSD-401.010 (Rev. 4) - Cast Iron, Square Frame with Circular Closed or Open Cover for Maintenance Holes
- OPSD-600.040 (Rev. 2) - Concrete Barrier Curb with Standard Gutter
- OPSD-600.110 (Rev. 2) - Concrete Barrier Curb
- OPSD-610.010 (Rev. 2) - Catch Basin Frame with Grate Installation at Curb with Gutter
- OPSD-701.021 (Rev. 4) - Maintenance Hole Benching and Pipe Opening Alternatives
- OPSD-704.010 (Rev. 3) - Precast Concrete Adjustment Units for Maintenance Holes, Catch Basins, and Valve Chambers
- OPSD-705.010 (Rev. 4) - Precast Concrete Catch Basin, 600 x 600 mm
- OPSD-802.030 (Rev. 3) - Rigid Pipe Bedding, Cover and Backfill, Type 1 or 2 Soil – Earth Excavation
- OPSD-802.031 (Rev. 3) - Rigid Pipe Bedding, Cover and Backfill, Type 3 Soil – Earth Excavation



|                        |   |   |
|------------------------|---|---|
| OPSD-985.110 (Rev. 1)  | - | Small Sign Support System, Single Breakaway Wooden Post, 89x89 mm, 89x140 mm, 140x140 mm, and 140x184 mm, Installation-Single Post Assembly |
| OPSD-1006.010 (Rev. 4) | - | Sewer Service Connections for Main Pipe Sewer   |
| OPSD-1104.010 (Rev. 4) | - | Water Service Connection, 19 and 25 mm Diameter Sizes   |
| OPSD-1109.011 (Rev. 3) | - | Cathodic Protection for PVC Watermain Systems   |
| OPSD-1109.025 (Rev. 1) | - | Waterproofing of Splices  |
| OPSD-1109.030 (Rev.1)  | - | Insulation for Sewers and Watermains in Shallow Trenches  |
| OPSD-2200.01 (Rev.2)   | - | Concrete Footing for Base Mounted Lighting and Signal Poles   |
| OPSD-2200.011          | - | Raised Concrete Footing for Base Mounted Lighting Poles   |
| OPSD-2210.010          | - | Local Grading at Pole Foundations   |
| OPSD-2245.020 (Rev. 3) | - | Minimum Vertical Clearances for Aerial Cable Systems  |
| OPSD-2250.010          | - | Aluminum Tapered Elliptical Brackets on Metal and Concrete Poles, Mounting Details  |
| OPSD-2255.010 (Rev. 2) | - | Lighting Pole Wiring Diagram – 120V System  |
| OPSD-2415.011 (Rev. 2) | - | Steel Pole, Base Mounted  |
| OPSD-2420.010 (Rev. 1) | - | Aluminum Tapered Elliptical Bracket   |
| OPSD-2421.010 (Rev. 1) | - | Lamp Wattage Label for Luminaire  |

A copy of the Ontario Provincial Standard Drawings is not included in the Tender Documents but will be included in the Documents executed between the successful Contractor and the Corporation.

#### MISCELLANEOUS DRAWINGS – SECTION G

|     |   |   |
|-----|---|---|
| R5  | - | Temporary Catch Basin Drain   |
| S6  | - | Sanitary Service Connection with Clean-Out  |
| S8  | - | Sanitary Service Connection for Sewer Mains $\geq 4.0$ m Deep   |
| S9  | - | Residential Sanitary Service Detail   |
| S10 | - | Storm Private Drain Connection Detail   |
| W2  | - | Valve and Valve Box   |
| W7  | - | Non-Metallic Water Service Connection Detail for Non-Metallic Watermain 50 mm diameter or Less Services |
| W8  | - | Metallic Water Service Connection Detail for Non-Metallic Watermain 25 mm Diameter or Less Services     |
| W9  | - | Watermain Tracer Wire Installation Procedure  |
| W10 | - | Cathodic Protection for PVC Watermain Systems   |
| W11 | - | Minimum Watermain Restraints Requirements   |

#### ONTARIO PROVINCIAL STANDARD SPECIFICATIONS

|                      |                      |                      |
|----------------------|----------------------|----------------------|
| MUNI.180 (Nov. 2021) | MUNI.206 (Apr. 2019) | PROV.127 (Apr. 2023) |
| MUNI.310 (Nov. 2017) | MUNI.311 (Nov. 2018) | MUNI.314 (Nov.2023)  |
| MUNI.351 (Nov.2021)  | MUNI.353 (Nov. 2021) | MUNI.405 (Nov. 2017) |
| MUNI.407 (Nov. 2021) | MUNI.408 (Nov. 2021) | MUNI.410 (Nov. 2018) |
| MUNI.441 (Nov. 2021) | MUNI.442 (Nov. 2020) | MUNI.501 (Nov. 2017) |
| MUNI.506 (Nov. 2017) | MUNI.510 (Nov. 2018) | MUNI.511 (Nov. 2019) |
| MUNI.615 (Nov. 2022) | MUNI.616 (Apr. 2018) | MUNI.617 (Nov. 2019) |
| MUNI.620 (Apr. 2023) | MUNI.706 (Apr. 2018) | MUNI.708 (Apr. 2018) |
| MUNI.710 (Nov.2021)  | MUNI.802 (Nov. 2019) | MUNI.803 (Apr. 2018) |



Mutatis Mutandis

It will be the Contractor's responsibility to obtain current copies of the Ontario Provincial Standard Specification Forms listed above, which form part of this Contract.

GENERAL CONDITIONS

Ontario Provincial Standard Specifications Municipal-Oriented General Conditions of Contract, November, 2019 (OPSS.MUNI 100)

It will be the Contractor's responsibility to obtain current copies of the General Conditions of Contract listed above, which form part of this Contract.



FREEDOM OF INFORMATION ACT

Please note that the Freedom of Information Act, as it relates to Municipalities and local boards came into force on January 1, 1991. It sets out certain rules regarding the disclosure to third parties of information held by Municipalities and local boards.

If the Contractor wishes any or all of the documents that are submitted to the Township of Wellington North, as part of this tender to be protected from disclosure under the above legislation, please ensure that the following statement, signed by a responsible officer, is attached to the Form of Tender. This statement will not guarantee that there will never be disclosure, but it does enable the Township of Wellington North to continue its current activity of non-disclosure of information other than publicly opened and publicly read tender prices submitted with tenders, and amounts of formally awarded contracts. It also lays the groundwork for handling an application for disclosure by a third party under this legislation.

“This tender is submitted in confidence and contains some or all of the following types of information: trade secrets, scientific information, technical information, commercial information, financial information, and labour relations information. Disclosure of any of the information contained in any of the documents herein would result in undue loss to (insert name of concerned person or company).”

---

Signature of Responsible Officer



By my/our signature(s), hereunder, I/we hereby agree to complete this Contract in accordance with the terms contained herein.

DATED AT: \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 2024

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Signature of Authorized Person Signing for  
Contractor  
(Company Seal)

\_\_\_\_\_  
H.S.T. Registration Number

\_\_\_\_\_  
Position



**ROADS AND DRAINAGE**

TRAFFIC AND PEDESTRIAN CONTROL --- ITEM NOS. 1.01, 2.01 & 3.01

a) Operation

No work shall be performed on Right-of-Way(s) without approval of the Road Authority.

The Contractor shall provide approved construction signage to advise traffic and pedestrians of the construction operations.

Contractor shall maintain (1) lane of two (2) way traffic at all times and reopen to two (2) lanes of traffic at the end of each working day.

Local access and access for emergency vehicles must be maintained at all times.

At least seven days' notice of restrictions is required when roads are to be traffic restricted and when restrictions are removed.

It will be the Contractor's responsibility to maintain access for garbage and blue boxes for pick-up.

PXO works will require a Traffic Control Plan (TCP) if installation is occurring during the school year (i.e. January 1, 2024 through June 27, 2024 and September 3, 2024 through December 20, 2024). TCP is to be provided for morning and afternoon school related pedestrian traffic.

Pedestrian Safety Considerations as per 2.6.2 of Ontario Traffic Manual Book 7.

b) Payment

Payment at the unit bid price shall be full compensation for the preparation and submission of a traffic control plan for approval by the Contract Administrator and Township of Wellington North including supply, erection and maintenance of all signs, delineators, barriers, flagging and traffic control, etc. as required by the Ontario Traffic Control Manual, Book 7, Temporary Conditions and the Ontario Occupational Health and Safety Act. On completion of the work, the Contractor shall remove all signs, barriers etc.

Daily maintenance of the signs, barricades, delineators, etc. shall be the responsibility of the Contractor and no additional payment shall be made for these operations.

Payment shall be made on a lump sum basis based on the following criteria

- 60% upon supply and installation of the completed traffic control plan,
- 30% for maintenance and continual implementation of the traffic control plan and
- 10% for removal of signs, barricades, fencing, etc.

REMOVAL OF FULL DEPTH BITUMINOUS PAVEMENT --- ITEM NOS. 1.02 & 1.03

a) Operation

The bituminous pavement material shall not remain on the roadway after completion of the day's operation and placing of the material on any grass or gravel area prior to hauling off site shall not be permitted.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-2

The bituminous pavement material shall be the responsibility of the Contractor to stockpile or dispose of at an approved location in accordance with the requirements of Section 309 of the Environmental Protection Act and Guidelines for the Decommissioning and Cleanup of Site in Ontario.

b) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment, and materials required to do the work, including disposal of excess materials.

### SOIL EXCAVATION (GRADING) --- ITEM NO. 1.04

a) **Disposal of Excavation Materials**

***All excavated material, except that material required for fill in ditches, boulevards, embankments, sub-excavation of topsoil etc. shall be the property of the Contractor and shall be disposed of off-site in accordance with the current version of the Ontario Regulation 406/19 On-Site and Excess Soil Management.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials)***

b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

c) Operation

All excavation operations shall be performed in such a manner as to avoid the disturbance of the subgrade and damage to utilities. At no time shall more than 15 metres of excavation be left open. Stripping of topsoil in areas required for fill will be included in this item.

d) Excavation of Sidewalk and Curb and Gutter

Measurement for payment of sidewalk, curb and gutter excavation shall be included in the appropriate item for concrete sidewalk and curb and gutter. No additional payment will be made for those items under Soil Excavation. Soil Excavation of lawns, boulevards and driveways to match with existing will be included in the unit price for Soil Excavation.

### REMOVE EXISTING FRAME AND GRATE/COVER --- ITEM NOS. 1.07, 1.08 & 3.05

a) Operation

All frames and grates/covers removed, including modulock and/or concrete, will be the property of the Contractor for disposal.



b) Payment

Payment at the unit bid price shall be full compensation for complete removal and disposal of frame and grates/covers.

SUPPLY, EXCAVATE FOR AND INSTALL STORM SEWERS --- ITEM NO. 1.09

a) Material

Where storm sewer pipe material is not specified, the material shall be one of the following products:

- i. Concrete Pipe, in accordance with CSA A257.2 (reinforced).
- ii. PVC pipe, "KORFLO" as manufactured by Royal Pipe Company, in accordance with CSA B182.4.
- iii. HDPE pipe, Boss 2000, 320 kpa stiffness, complete with Ultra Stab 75 joint as manufactured by Armtec, in accordance with CSA B182.8-02 Storm Sewer Grade. Pipe and fittings must bear CSA logo (B182.6 is also acceptable).
- iv. PVC pipe "Ultra Rib" as manufactured by IPEX, in accordance with CSA B182.4.
- v. PVC SDR35

Granular bedding shall be Granular "A". Clear Stone may be substituted in wet trench conditions. Cover material shall be Granular "A".

b) Operation

Native material for backfill of trenches is to be used 300 mm above the top of the pipe and up to the subgrade elevation. Backfill to be compacted to 95% S.P.D.

c) Payment

Payment at the unit bid price shall be full compensation for the supply, excavation and installation including loading, hauling, disposing of excess material, granular embedment, approved native backfill material to subgrade elevation, compacted to 95% S.P.D., CCTV video inspection and mandrel test of the pipe prior to the completion HL8 Binder Course Asphalt as per OPSS 409. Where clear stone is substituted, no additional payment will be made.

CONSTRUCT CATCHBASIN --- ITEM NO. 1.10

a) Operation

All castings are to be left flush with surface course asphalt surface elevation.

b) Material

Steel lift rings, concrete brick or block and asphalt are not permitted. Adjustment units shall be precast concrete.

c) Payment

Frames and grates shall not be included in the unit bid price. Reconnection of existing pipes shall be included in the unit price of this item.



Payment at the unit bid price shall be full compensation for complete installation of catchbasins, including adjustments.

Payment shall be made on a lump sum basis based on the following criteria:

- 80% upon installation of structure and
- 20% upon completion of paving, removal of debris from the bottom of the structure and benching when applicable.

BREAK INTO AND CONNECT TO EXISTING 600mm x 600mm CATCHBASIN --- ITEM NO. 1.11

a) Payment

Payment at the unit bid price shall be full compensation for the excavation, breaking into existing structure, cutting pipes smooth and flush with inside wall of structure, grouting of pipes, removal of debris and re-benching where required.

SUPPLY, EXCAVATE FOR AND INSTALL STORM SERVICES INCLUDING RESTORATION --- ITEM NO. 1.12

a) **Disposal of Excavation Material**

***All excavated material, except that material required for fill in boulevard etc, shall be the property of the Contractor and shall be disposed of off-site except where material is required for fill areas.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials).***

b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

c) Operation

All excavation operations shall be performed in such a manner as to avoid the disturbance of the subgrade and damage to utilities. At no time shall more than 15 metres of excavation be left open. Stripping of topsoil in areas required for fill will be included in this item.

The cutting of asphalt shall be by means of suitable mechanical sawing equipment capable of making a clean cut and leaving a perfect edge.

Native material for backfill of trenches, is to be used from 300 mm above the top of the pipe and up to the sub-grade elevation. Backfill to be compacted to 95% S.P.D.



d) Measurement for Payment

Measurement for payment is by each service constructed from the storm sewer to the property line.

e) Payment

Payment at the unit bid price shall include sawcutting, removal and disposal of existing asphalt pavement, removal and replacement of curb and gutter (where required), removal and replacement of concrete sidewalk, removal and replacement of 150 mm diameter perforated corrugated plastic (HDPE Boss 2000) sub-drain with non-woven geotextile subdrain (where required) and concrete sand bedding, including connection of subdrain to existing subdrain, complete installation of the service, connection to the existing sewer by manufactured tee, 100 mm dia. PVC (DR-28) pipe, Class "B" bedding, fittings, risers or bends, plug (plugging wye at property line as noted in Standard Drawings S10 – Storm Private Drain Connection Detail) and 50 mm x 75 mm marker painted white and approved native backfill to subgrade elevation compacted to 95% S.P.D., , loading, hauling, disposing of excess material, CCTV video inspection of the pipe upon completion of HL 8 Binder Course Asphalt and complete restoration.

Restoration shall be as follows:

## Road Restoration

|              |                         |
|--------------|-------------------------|
| Granular "B" | - 500 mm depth          |
| Granular "A" | - 200 mm depth or match |

## Boulevard Restoration

|                   |                |
|-------------------|----------------|
| Concrete Sidewalk | - 150 mm depth |
| Granular "A"      | - 100 mm depth |
| Topsoil           | - 200 mm depth |
| Sod               |                |

SUPPLY AND INSTALL FRAME AND GRATE/COVER --- ITEM NOS. 1.13, 1.14 & 3.06a) Material

All frame and grates/covers shall be painted in the shop with one coat of asphalt or tar base black paint.

Storm covers shall be open.

All frames and grate/cover in the roadway to use AutoStable frame and lid manufactured by Bibby-Ste-Croix.

GRANULAR "B", TYPE III --- ITEM NO. 1.15a) Operation

The Granular "B" base course shall be placed by the method of rear end dump trucks and the material shall be pushed ahead by suitable equipment. No dump trucks or other heavy vehicle will be permitted on the subgrade until a lift of 300 mm minimum is constructed above the subgrade. The placing of Granular "B" shall be kept within 15 m of road excavation operations at all times.



GRANULAR "A" --- ITEM NO. 1.16

a) Material

Depth of Granular "A" for roadways:

Smith Street - 75 mm

b) Operation

Grading and placement of new granular "A" shall be included in this item.

c) Payment

Payment at the unit bid price shall include the supply, hauling and placement of granular "A" for roadway.

Payment at the unit bid price shall also include all labour and equipment required to grade and compact materials.

Payment for Granular "A" under sidewalks shall be included in the item for Concrete Sidewalk.

MECHANICALLY CUT EXISTING CONCRETE CURB --- ITEM NO. 1.19

a) Operation

The contractor shall mechanically cut exiting concrete barrier curb with approved equipment to provide driveway access.

The cut concrete curb shall be the responsibility of the Contractor to stockpile or dispose of at an approved location in accordance with the requirements of Section 309 of the Environmental Protection Act and Guidelines for the Decommissioning and Cleanup of Site in Ontario.

b) Measurement of Payment

Measurement for payment shall be based on the total length of cutting, measured in metres.

c) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment, and materials required to do the work, including disposal of excess materials.

CONCRETE SIDEWALK --- ITEM NOS. 1.21, 2.03 & 3.07

a) Material

Expansion joint material shall not be permitted.

b) Operation

Joints shall be sawcut in the hardened concrete within a sufficient time of placing the concrete sidewalk and driveway.

Supply, placement, and compaction of Granular "A" shall be included in this item.

Concrete sidewalk thickness shall be 150 mm.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-7

### c) Payment

Payment at the bid unit price shall be full compensation for all labour, equipment and material, including the excavation, disposal of surplus excavated material, supply, place and compact the Granular "A" base.

## TACTILE WARNING PLATES --- ITEM NOS. 1.22, 2.04 & 3.08

### a) Material

Tactile warning plates shall be "duralast" coated cast iron plates (clay red colour) as manufactured by East Jordan Ironworks or an approved equivalent. Plates shall have a minimum width of 610 mm. Plates shall have a radial curve to suit curb lines as shown on the Contract Drawings.

### b) Operation

Plates are to be set between 150 mm to 200 mm from the back of curb edge.

### c) Measurement for Payment

Measurement for payment shall be based on Each plate installed.

### d) Payment

Payment at the unit bid price shall be full compensation for supply and installation of tactile warning plates

## SAWCUT BITUMINOUS PAVEMENT --- ITEM NO. 1.23

### a) Measurement of Payment

Measurement for payment shall be based on the total length of sawcutting measured in metres.

## COLD PLANING EXISTING ASPHALT --- ITEM NO. 1.24

### a) Operation

The equipment used for partial pavement removal shall be automatically controlled for grade and slope during removal. The surface remaining after removal shall have a constant and continuous cross fall matching the intended surface course cross fall. The surface remaining after reclaiming shall have an even texture longitudinally and transversely.

Care shall be taken, while removing, to minimize contamination.

The salvaged asphalt material shall not remain on the roadway after completion of the day's operation and placing of the material on a grade other than a bituminous surface prior to hauling to stockpile shall not be permitted. The salvaged asphalt pavement shall be the responsibility of the Contractor to either stockpile or dispose of at an approved location.

### b) Measurement of Payment

Measurement of payment for cold planing existing pavement at joints between new and existing pavement and removal of ramps shall be in square meters based on full width removal from edges of pavement and to a minimum depth of 40 mm.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-8

### c) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment and material required to complete the above work.

## HOT MIX ASPHALT HL 8 BINDER COURSE (2 Lifts at 50 mm Depth) --- ITEM NO. 1.25

### a) Material

Asphalt cement – the grade shall be PG 58-28.

All vegetation between the concrete curb and base asphalt is to be removed and the areas sterilized. Streets are to be flushed, cleaned and swept, including the concrete gutters.

### b) Operation

Grading of Granular “A” surface to the cross-section and depth required for placement of new asphalt shall be included in this item.

Depth of asphalt shall be 100 mm (2 Lifts at 50 mm Depth)

Reclaimed asphalt pavement (RAP) portion to be in compliance with OPSS 1150. The use of up to 10% by mass of RAP shall be permitted for HL 8 binder course mixes.

It will be the Contractor’s responsibility to monitor and prevent “End Load Segregation”. Should the density and graduation not meet the required specifications of this Contract, the Contractor at their expense will be required to mill and replace the affected area to the satisfaction of the Township of Wellington North.

No direct dumping of asphalt into the spreader will be permitted for straight stretches in excess of 100 m unless approved by the Engineer. All costs associated with the use of specialized equipment will be included within the unit price bid for the placement of asphalt.

Shuttle Buggy is required for the placement of asphalt.

### c) Payment

Payment at the unit bid price shall also be full compensation for the supply and placing of HL 8 asphalt to the required surface elevation for roadway as shown on the Contract Drawings. The depth of asphalt is as noted above.

Payment at the unit bid price shall also include grading of Granular “A” surface to cross-section and depth required including compaction.

Appendix 310-B, November 2017 of OPSS.MUNI 310 shall apply to this contract. The Township of Wellington North will adjust the payment to the Contractor based on changes to the Ministry of Transportation’s performance graded asphalt cement price index (no opt out will be allowed).

## HOT MIX ASPHALT HL 3 SURFACE COURSE --- ITEM NO. 1.26

### a) Material

Asphalt cement – the grade shall be PG 58-28.

All vegetation between the concrete curb and base asphalt is to be removed and the areas sterilized. Streets are to be flushed, cleaned and swept, including the concrete gutters.



b) Operation

Depth of surface asphalt shall be 40 mm.

No surface course trial area or tack coat shall be required on this Contract. Recycled hot mix asphalt shall not be used on this Contract.

It will be the Contractor's responsibility to monitor and prevent "End Load Segregation". Should the density and graduation not meet the required specifications of this Contract, the Contractor at their expense will be required to mill and replace the affected area to the satisfaction of the Township of Wellington North.

No direct dumping of asphalt into the spreader will be permitted for straight stretches in excess of 100 m unless approved by the Engineer. All costs associated with the use of specialized equipment will be included within the unit price bid for the placement of asphalt.

Shuttle Buggy is required for the placement of surface asphalt.

c) Payment

Payment at the unit bid price shall also include the removal of vegetation and sterilization of the joints between the concrete curb and base asphalt, removal and disposal of existing asphalt ramps, sweeping, cleaning and flushing the existing asphalt surface and concrete gutters in preparation for the placement of the surface course asphalt, and padding existing asphalt areas where required.

Payment for adjustment of castings and installation of curb will be made under the appropriate items for adjustment of M.H.'s and C.B.'s and for the construction of curb and gutter.

Payment at the unit bid price shall also be full compensation for the supply and placing of HL 3 asphalt to the required surface elevation.

Appendix 310-B, November 2017 of OPSS.MUNI 310 shall apply to this contract. The Township of Wellington North will adjust the payment to the Contractor based on changes to the Ministry of Transportation's performance graded asphalt cement price index (no opt out will be allowed).

TRACKLESS TACK COAT --- ITEM NO. 1.27

a) Operation

Trackless tack coat shall be required on each lift of binder course asphalt. This includes application of trackless tack coat prior to placement of second lift of binder course asphalt and prior to placement of surface course asphalt.

HOT MIX ASPHALT HL 3F FOR RESIDENTIAL DRIVEWAYS AND BOULEVARDS --- ITEM NO. 1.28

a) Operation

The depth of asphalt shall be 50 mm.

b) Payment

Payment at the bid unit price shall be full compensation for all labour, equipment and material to complete the work.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-10

### HOT MIX ASPHALT HL 3F FOR COMMERCIAL DRIVEWAYS --- ITEM NO. 1.29

a) Operation

The depth of asphalt shall be 90 mm (2 Lifts at 45 mm Depth).

b) Payment

Payment at the bid unit price shall be full compensation for all labour, equipment and material to complete the work.

### SUPPLY AND INSTALL OUTLET GRATE --- ITEM NO. 1.30

a) Material

Steel inlet/outlet grates shall be fabricated to fit the end of the storm sewer pipes. Horizontal bars shall be 16 mm diameter at 100 mm spacing. Bars shall be welded to a circular frame fabricated from 13 x 50 mm rolled steel bar. The centre bar shall be extended to connect to the outside face of the pipe with a hinge, such that the grate can swing vertically for maintenance access. A lock mechanism shall be provided to prevent the grate from swinging open.

Steel shall be to CSA CAN 3 G40.21 – M81 Grade 300W. Welding shall be to CSA W59. All steel shall be hot dip galvanized to CSA G164-M.

b) Payment

Measurement for payment shall be on the basis of each grate supplied and installed. Payment at the unit bid price shall be full compensation for all labour, equipment, and material to fabricate and install the grates.

### HAND PLACE RIP RAP INCLUDING GEOTEXTILE ITEM NO. 1.31

a) Material

Minimum rock size shall be 200 mm and maximum size shall be 400 mm.

b) Payment

Payment at the unit bid price shall be full compensation for the excavation and trimming of slopes, supply and installation of geotextile fabric and hand placing rip rap.

### CLEAN OUT AND REGRADE EXISTING DITCH --- ITEM NO. 1.32

a) Operation

Contractor shall dispose of excavated material as per Special Provision for Soil Excavation (Grading).

b) Measurement for Payment

Measurement for payment shall be by the lineal meter of ditch cleaned out.

c) Payment

Payment at the unit bid price shall be full compensation for the excavating and cleaning out of the ditches, loading, hauling and disposing of excavated material.



REGRADE OVERBURDEN BEHIND SIDEWALK, INCLUDING RESTORATION --- ITEM NO. 1.33

a) Operation

Contractor shall excavate and dispose of sod and topsoil overburden at a width of 1 metre behind existing sidewalk, as per Special Provision for Soil Excavation (Grading), regrade, place 200 mm of topsoil (imported) and sod.

b) Measurement for Payment

Measurement for payment shall be by the surface area of overburden removed, measured in square metres.

c) Payment

Payment at the unit bid price shall be full compensation for the excavating and regrading behind sidewalk, loading, hauling and disposing of excavated material, and the supply and placing of topsoil (200mm) and sod.

TOPSOIL (IMPORTED) --- ITEM NOS. 1.34, 2.19 & 3.22

a) Operation

Topsoil shall be placed at a minimum depth of 200 mm.

b) Measurement for Payment

Measurement for payment shall be based on the surface area measured in square metres.

SOD --- ITEM NOS. 1.35, 2.20 & 3.23

a) Operation

The application of fertilizer shall be applied directly to the topsoil and incorporated in the top 25 mm prior to the placement of sod.

OPSS 803.07.05 (Maintenance of Completed Sodding), OPSS 803.08.01 (Performance Measure) and 803.08.02 (Acceptance) is amended in that all references to a "30 day maintenance period" are replaced with a "60 day maintenance period".

Add the following to OPSS 803.07.05 - Maintenance of Completed Sodding.

Water shall be applied to new sod immediately (within 1 hour) after placement and the sod is to be watered a minimum of once a day during the first 7 days and then regularly during the 60 day maintenance period. Each watering shall provide a minimum amount of water of soak the top 50mm of soil beneath the area sodded.

Any settlements in sodded areas arising from excavation work as part of this project will be the responsibility of the Contractor for the full duration of the Contract warranty period. All replacement sod will be subject to the same placement, care and warranty requirements outlined within this specification



b) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment, material, water, fertilizer, and maintenance require to do the work.

PAVEMENT MARKINGS --- ITEM NOS. 1.36, 1.37, 1.38, 2.15, 2.16, 2.17, 3.18, 3.19 & 3.20

a) Operation

All line painting shall be completed within two (2) weeks of the completion of the surface course asphalt. Line tape shall be placed to denote the centre line temporarily until such time that the line painting has been completed. Placement of the temporary tape shall be included in the price to complete the paving work.

The line painting subcontractor will complete the required painting layout based on Ontario Traffic Manual Book 11, Markings and Delineation.

The surface asphalt shall have one (1) coat applied under one mobilization for the first application and a second single coat applied not less than one (1) month after the initial application but not longer than two (2) months. This is due to the Township experiencing issues with the water-based paint maintaining effectiveness on new asphalt over the course of the first winter. Paint applied shall be per metre as stated in the Schedule of Unit Prices. The Contractor shall account in his pricing the cost to mobilize multiple times to complete the work. Payment shall be for lineal metres of paint regardless of the number of applications.

Yield to pedestrian "shark tooth" line shall be as OTM – Book 15 (Pedestrian Crossing Treatments) and placed a minimum of 6.0 m in advance of the crosswalk in the direction of travel.

b) Material

Pavement markings shall be in accordance with OPSS 1716.

Durable markings shall be in accordance with OPSS 1714.

c) Measurement for Payment

Measurement for payment shall be based on a per lineal meter for Section 1 (Smith Street, Arthur) Works.

Measurement for payment shall be based on lump sum for Section 2 (Smith St, Arthur PXO) and Section 3 (Main Street North, Mount Forest PXO) Works.

d) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment and material for all types of pavement markings.



**SANITARY SEWERS**

REMOVE EXISTING MAINTENANCE HOLE FRAME AND COVER --- ITEM NO. 1.39

a) Operation

All frames and covers removed, including moduloc and/or concrete, will be the property of the Contractor for disposal.

SUPPLY AND INSTALL ADJUSTABLE MAINTENANCE HOLE FRAME AND COVER --- ITEM NO. 1.40

a) Material

AutoStable by Bibby St. Croix with 401.010 (Type 'A') lid.

All frames and covers shall be painted in the shop with one coat of asphalt or tar base black paint.

SANITARY SEWER SERVICE FROM EXISTING SANITARY SEWER TO PROPERTY LINE INCLUDING RESTORATION --- ITEM NO. 1.41

a) Disposal of Excavation Material

***All excavated material, except that material required for fill in boulevard etc, shall be the property of the Contractor and shall be disposed of off-site except where material is required for fill areas.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials).***

b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

c) Operation

All excavation operations shall be performed in such a manner as to avoid the disturbance of the subgrade and damage to utilities. At no time shall more than 15 metres of excavation be left open. Stripping of topsoil in areas required for fill will be included in this item.

The cutting of asphalt shall be by means of suitable mechanical sawing equipment capable of making a clean cut and leaving a perfect edge.

Native material for backfill of trenches, is to be used from 300 mm above the top of the pipe and up to the sub-grade elevation. Backfill to be compacted to 95% S.P.D.



d) Material

Sewer pipe shall be PVC SDR 35

Service Pipe shall be PVC SDR 28, colour green

Connections as follows:

- Prefabricated tees
- Kor-N-Tee Saddle Connector

e) Measurement for Payment

Measurement for payment is by each service constructed from the storm sewer to the property line.

f) Payment

Payment at the unit bid price shall include sawcutting, removal and disposal of existing asphalt pavement, removal and replacement of curb and gutter (where required), removal and replacement of concrete sidewalk, removal and replacement of 150 mm diameter perforated corrugated plastic (HDPE Boss 2000) sub-drain with non-woven geotextile subdrain (where required) and concrete sand bedding, including connection of subdrain to existing subdrain, removal and disposal of existing sanitary sewer (where required), complete installation of the service, including connection to the existing sanitary sewer by manufactured tee, 150 mm diameter PVC (DR-28) pipe, bends, and connection to the existing service pipes (all types) at property line including all necessary adaptors, fittings and reducers (where required), 100 mm diameter cleanout with "tee-wye" connection and cap provided below grade at property line, granular embedment and approved native backfill to subgrade elevation compacted to 95% S.P.D., as per Standard Drawing S9 – Residential Sanitary Service Detail, and CCTV video inspection of the sanitary service pipe and sanitary sewer mainline at connection prior to completion of HL8 Binder Course Asphalt as per OPSS 409 and complete restoration. Where clear stone is substituted, no additional payment will be made.

Restoration shall be as follows:

## Road Restoration

|              |                         |
|--------------|-------------------------|
| Granular "B" | - 500 mm depth          |
| Granular "A" | - 200 mm depth or match |

## Boulevard Restoration

|         |                |
|---------|----------------|
| Topsoil | - 200 mm depth |
| Sod     |                |

SANITARY SEWER SERVICE FROM EXISTING SANITARY TO PROPERTY LINE MARKER  
INCLUDING RESTORATION --- ITEM NO. 1.42

a) Disposal of Excavation Material

***All excavated material, except that material required for fill in boulevard etc, shall be the property of the Contractor and shall be disposed of off-site except where material is required for fill areas.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor.***



***Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials).***

b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

c) Operation

All excavation operations shall be performed in such a manner as to avoid the disturbance of the subgrade and damage to utilities. At no time shall more than 15 metres of excavation be left open. Stripping of topsoil in areas required for fill will be included in this item.

The cutting of asphalt shall be by means of suitable mechanical sawing equipment capable of making a clean cut and leaving a perfect edge.

Native material for backfill of trenches, is to be used from 300 mm above the top of the pipe and up to the sub-grade elevation. Backfill to be compacted to 95% S.P.D.

d) Material

Sewer pipe shall be PVC SDR 35

Service Pipe shall be PVC SDR 28, colour green

Connections as follows:

- Prefabricated tees
- Kor-N-Tee Saddle Connector

e) Measurement of Payment

Measurement for payment shall be based on each service constructed from the existing sanitary sewer to the property line.

f) Payment

Payment at the unit bid price shall include saw cutting, removal and disposal of existing asphalt pavement, removal and replacement of curb and gutter (where required), removal and replacement of concrete sidewalk, removal and replacement of 150 mm diameter perforated corrugated plastic (HDPE Boss 2000) sub-drain with non-woven geotextile subdrain (where required) and concrete sand bedding, including connection of subdrain to existing subdrain, removal and disposal of existing sanitary sewer (where required), complete installation of the service, including connection to the existing sanitary sewer by manufactured tee, 125 mm diameter PVC (DR-28) pipe, bends, tee-wye connection and cap at property line, as per Standard Drawing S9 – Residential Sanitary Service Detail, including all necessary adapters, fittings and reducers (where required), 50 mm x 75 mm marker at property line painted green, granular embedment, loading, hauling and disposing of excess soil, approved native backfill to subgrade elevation compacted to 95% S.P.D., and CCTV video inspection of the sanitary service pipe and sanitary sewer mainline at connection prior to completion of HL8 Binder Course Asphalt as per OPSS 409 and complete restoration. Where clear stone is substituted, no additional payment will be made.



SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-16

Note: Payment at the bid price shall also include tee-wye connection, riser pipe and cap as detailed on the Contract Drawing.

Restoration shall be as follows:

Road Restoration

- |              |                   |
|--------------|-------------------|
| Granular "B" | - 500 mm depth    |
| Granular "A" | - 200 mm or match |

Boulevard Restoration

- |         |          |
|---------|----------|
| Topsoil | - 200 mm |
| Sod     |          |



**WATERWORKS**REMOVE AND REPLACE VALVE TOP SECTION --- ITEM NO. 1.43a) Operation

The Contractor shall excavate for and removal and replace top section of valve box, restore granular base, adjust casting to the proposed finished grade prior to the placement of the binder course asphalt, grass landscape area or concrete sidewalk.

Road levelers are not permitted.

Steel lift rings, concrete brick or block and asphalt are not permitted.

b) Material

Valve boxes shall be Mueller Canada, MVB Composite Valve Box with 300 mm ductile iron adjustable top complete with MVB guide plate and cast iron lid or Bibby, VB 4200, 3 piece slide type, No. 6 round base.

c) Payment

Payment at the unit bid price shall be full compensation for the lowering or raising valves to the proposed grades including restoration granular base compacted to 95% S.P.D.

NOTE: No additional payment shall be made for the lowering or raising of valve boxes for grading operation

WATER SERVICES TO PROPERTY LINE MARKER INCLUDING RESTORATION --- ITEM NO. 1.44a) Disposal of Excavation Material

***All excavated material, except that material required for fill in boulevard etc, shall be the property of the Contractor and shall be disposed of off-site except where material is required for fill areas.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials).***

b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

c) Material

Crosslinked polyethylene (PEX) conforming to AWWA C904, "Municipex" by Rehau, "Blue904" by Ipex or approved equivalent.

Anodes shall be DPZ-5, 2.7 kg and shall be installed on mainstop and curb stop



Tracer wire shall be 12 gauge, 7 strand copper with plastic coating. Waterproof connectors for tracer wire to be DryConn Direct Bury Lug Aqua with dielectric silicone filled to seal out moisture and corrosion.

Mainstops stops shall be either Cambridge Brass, Ball Style, Series 301NL (No-lead), AWWA x CB assembly or Mueller Canada, Mueller Ground Key Design Type, H-15008N (No-lead), Mueller 110 Compression Joint.

Curb stops shall be either Cambridge Brass, Ball Style, Series 202NL (No-lead), CB Compression x CB Compression assembly or Mueller Canada, Mueller Mark II Oriseal, Type H-15209N (No-lead), Mueller 110 Compression Joint.

Saddle shall be Robar Stainless Steel, 2616 Double Bolt, Wide Band.

Rod and pin shall be stainless steel.

Bedding and cover material shall be sand, to 300 mm above the top of pipe.

d) Operation

Only certified operators from Wellington North Environmental Services Department shall operate valves on existing watermains for the purpose of controlling water. No person other than the certified operators from Wellington North Environmental Services Department shall shut down or charge any section of existing watermain or operate any valve for the purpose of controlling water from existing watermains.

The Contractor shall provide Wellington North Environmental Services Department at least forty-eight (48) hours advance notice when a change in control of the water is required. All necessary water supply interruptions shall be scheduled in co-operation with Wellington North Environmental Services Department.

All building occupants shall be notified forty-eight (48) hours in advance of shut down of their water supply.

The Contractor shall maintain temporary water supply to all existing buildings that are affected by a water shut down in excess of eight (8) continuous hours.

The Contractor shall comply with the Safe Drinking Water Act (SDWA) and all applicable regulations made in accordance with that act, including but not limited to the Drinking Water Works Permit (DWWP) and the Municipal Drinking Water License (MDWL). Both the DWWP and the MDWL can be made available to the Contractor by the Contract Administrator upon request.

Native material for backfill of trenches is to be used from 300 mm above the top of the pipe and up to the subgrade elevation. Backfill to be compacted to 95% S.P.D.

Water services to have minimum 2.0 m cover.

Anodes to be installed on curb stop and main stops regardless of type of material (copper or PEX). Main stops and curb stops to have electrical connection for anode to attach.

Unions are not permitted

e) Payment

Payment at the unit bid price shall include sawcutting, removal and disposal of existing asphalt pavement, removal and replacement of concrete curb and gutter (where required), removal and



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-19

replacement of 150 mm diameter perforated corrugated plastic (HDPE Boss 2000) sub-drain with non-woven geotextile subdrain (where required) and concrete sand bedding, including connection of subdrain to existing subdrain, removal and disposal of existing watermain (where required) and shall be based on each service constructed from existing watermain, including mainstop, saddle, service pipe, tracer wire, anodes, curb stop and box at property line and 50 mm x 75 mm marker, top to be painted blue, granular embedment, loading, hauling and disposing of excess soil, approved native backfill to sub-grade elevation compacted to 95% S.P.D., milling of asphalt joint and complete restoration.

Restoration shall be as follows:

### Road Restoration

|              |                   |
|--------------|-------------------|
| Granular "B" | - 500 mm          |
| Granular "A" | - 200 mm or match |

### Boulevard Restoration

|         |          |
|---------|----------|
| Topsoil | - 200 mm |
| Sod     |          |

## INSULATION FOR EXISTING 19mm DIAMETER WATER SERVICE INCLUDING RESTORATION --- ITEM NO. 1.45

### a) Disposal of Excavation Material

***All excavated material, except that material required for fill in boulevard etc, shall be the property of the Contractor and shall be disposed of off-site except where material is required for fill areas.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials).***

### b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

### c) Material

Material shall be Styrofoam (HI-40) 50 mm thick or equivalent for below ground installation.

### d) Operations

Only certified operators from Wellington North Environmental Services Department shall operate valves on existing watermain for the purpose of controlling water. No person other than the certified operators from Wellington North Environmental Services Department shall shut down or charge any section of existing watermain or operate any valve for the purpose of controlling water from existing watermain.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-20

The Contractor shall provide Wellington North Environmental Services Department at least forty-eight (48) hours advance notice when a change in control of the water is required. All necessary water supply interruptions shall be scheduled in co-operation with Wellington North Environmental Services Department.

All building occupants shall be notified forty-eight (48) hours in advance of shut down of their water supply.

The Contractor shall maintain temporary water supply to all existing buildings that are affected by a water shut down in excess of eight (8) continuous hours.

The Contractor shall comply with the Safe Drinking Water Act (SDWA) and all applicable regulations made in accordance with that act, including but not limited to the Drinking Water Works Permit (DWWP) and the Municipal Drinking Water License (MDWL). Both the DWWP and the MDWL can be made available to the Contractor by the Contract Administrator upon request.

The Contractor is to locate the existing water service with paint to ensure insulation is centred over the existing water service and watermain.

### e) Payment

Payment at the unit bid price shall include sawcutting, removal and disposal of existing asphalt pavement, removal and replacement of concrete curb and gutter (where required), removal and replacement of 150 mm diameter perforated corrugated plastic (HDPE Boss 2000) sub-drain with non-woven geotextile subdrain (where required) and concrete sand bedding, including connection of subdrain to existing subdrain, excavating to top of cover material, installation of Styrofoam (HI-40) insulation extending from the top of cover material and across full width of trench (Watermain to Property Line), loading, hauling and disposing of excess soil, approved native backfill to sub-grade elevation compacted to 95% S.P.D. and complete restoration.

Restoration shall be as follows:

#### Road Restoration

|              |                   |
|--------------|-------------------|
| Granular "B" | - 500 mm          |
| Granular "A" | - 200 mm or match |

#### Boulevard Restoration

|         |          |
|---------|----------|
| Topsoil | - 200 mm |
| Sod     |          |

## SUPPLY, EXCAVATE AND INSTALL NEW CURB STOP AT HSE. 363 INCLUDING RESTORATION --- ITEM NO. 1.46

### a) Material

Curb stops shall be either Cambridge Brass, Ball Style, Series 202NL (No-lead), CB Compression x CB Compression assembly or Mueller Canada, Mueller Mark II Oriseal, Type H-15209N (No-lead), Mueller 110 Compression Joint.

Rod and pin shall be stainless steel.

Bedding and cover material shall be sand, to 300 mm above the top of pipe.



b) Operation

Only certified operators from Wellington North Environmental Services Department shall operate valves on existing watermains for the purpose of controlling water. No person other than the certified operators from Wellington North Environmental Services Department shall shut down or charge any section of existing watermain or operate any valve for the purpose of controlling water from existing watermains.

The Contractor shall provide Wellington North Environmental Services Department at least forty-eight (48) hours advance notice when a change in control of the water is required. All necessary water supply interruptions shall be scheduled in co-operation with Wellington North Environmental Services Department.

All building occupants shall be notified forty-eight (48) hours in advance of shut down of their water supply.

The Contractor shall maintain temporary water supply to all existing buildings that are affected by a water shut down in excess of eight (8) continuous hours.

The Contractor shall comply with the Safe Drinking Water Act (SDWA) and all applicable regulations made in accordance with that act, including but not limited to the Drinking Water Works Permit (DWWP) and the Municipal Drinking Water License (MDWL). Both the DWWP and the MDWL can be made available to the Contractor by the Contract Administrator upon request.

Native material for backfill of trenches is to be used from 300 mm above the top of the pipe and up to subgrade elevation. Backfill to be compacted to 95% S.P.D.

Anodes to be installed on curb stop regardless of type of material (copper or PEX). Curb stops to have electrical connection for anode to attach.

c) Payment

Payment at the unit bid price shall be full compensation for the supply and installation of the new curb stop, including excavation, removal and disposal of existing curb stop, supply and installation new curb stop and box, reconnection to existing service line, sand embedment, loading, hauling and disposing of excess soil, approved native backfill to sub-grade elevation compacted to 95% S.P.D. and complete restoration.

Restoration shall be as follows:

Boulevard Restoration

|         |          |
|---------|----------|
| Topsoil | - 200 mm |
| Sod     |          |



**PEDESTRIAN CROSSING**REMOVAL AND REPLACEMENT OF CONCRETE CURB AND GUTTER (ALL TYPES) --- ITEM NO. 3.03a) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment and material to sawcut, remove and dispose existing concrete curb and gutter, remove, dispose, and replace the existing base course asphalt to a minimum of 300mm from edge of pavement, form and pour concrete curb and gutter (all types), restoration of asphalt (130 mm or match existing) with Hot Mix Asphalt HL 3 compacted to 97% S.P.D.

REMOVE, SALVAGE, SUPPLY FOR AND INSTALL NEW FIRE HYDRANT SET INCLUDING RESTORATION --- ITEM NO. 3.04a) Material

All hydrants shall be complete with "Storz" pumper connection and shall open counter clock-wise. All hydrants shall be one of the following:

- i) Canada Valve, Century (as manufactured by Mueller)
- ii) Clow Canada, Brigadier Series M-67-B (as manufactured by Clow Canada)

Hydrants shall be painted as follows:

|                  |   |       |
|------------------|---|-------|
| Barrel           | - | Red   |
| Bonnet           | - | Red   |
| 2.5" Caps        | - | Black |
| Storz Pumper Cap | - | Black |

Double nut type connections of anodes to pipes and fittings.

b) Operation

Only certified operators from Wellington North Environmental Services Department shall operate valves on existing watermains for the purpose of controlling water. No person other than the certified operators from Wellington North Environmental Services Department shall shut down or charge any section of existing watermain or operate any valve for the purpose of controlling water from existing watermains.

The Contractor shall provide Wellington North Environmental Services Department at least forty-eight (48) hours advance notice when a change in control of the water is required. All necessary water supply interruptions shall be scheduled in co-operation with Wellington North Environmental Services Department.

All building occupants shall be notified forty-eight (48) hours in advance of shut down of their water supply.

The Contractor shall maintain temporary water supply to all existing buildings that are affected by a water shut down in excess of eight (8) continuous hours.

The Contractor shall comply with the Safe Drinking Water Act (SDWA) and all applicable regulations made in accordance with that act, including but not limited to the Drinking Water Works Permit (DWWP) and the Municipal Drinking Water License (MDWL). Both the DWWP and the MDWL can be made available to the Contractor by the Contract Administrator upon request.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-23

Location of hydrant valve shall be 1.2 m from centre of hydrant.

Anode connecting wire shall be loosely wrapped around pipes and fittings and knotted. Anode shall be installed with double nut type connection, complete with sacrificial zin nuts, as per Standard Drawing W10 – Cathodic Protection for PVC Watermain Systems.

Minimum watermain restraints requirements as per Standard Drawing W11 – Minimum Watermain Restraints Requirements.

### c) Payment

Payment at the unit bid price shall be full compensation for the removal and salvage of existing hydrant set and delivery of the same to the Wellington North Public Works at 381 Main Street N, Mount Forest, supply and installing new hydrant set, including all labour, equipment, and material including new 150 mm diameter PVC (DR-18) watermain, anodes, material to make a watertight connection including concrete thrust blocks or mechanical restraining devices, notification to building occupants and temporary water supply where required and complete restoration.

Restoration shall be as follows:

#### Road Restoration

|              |                   |
|--------------|-------------------|
| Granular "B" | - 500 mm          |
| Granular "A" | - 200 mm or match |

#### Boulevard Restoration

|         |          |
|---------|----------|
| Topsoil | - 200 mm |
| Sod     |          |

## RIGID DUCT, DIRECT BURIED --- ITEM NO. 2.05

### a) Material

Rigid PVC ducts shall be in accordance with CSA C22.2 No. 211.2. All duct shall be supplied with pull ropes.

### b) Operation

Ducts shall be placed in a 0.3 m deep envelope of clean screened sand. 300mm wide red or yellow plastic warning tape shall be supplied and installed over the ducts in all trenches. This item shall include all excavation, sand bedding and native material for the backfill of trenches is to be used 150 mm above the top of duct and up to the subgrade elevation. Backfill to be compacted to 95% S.P.D.

All costs associated with the supply and installation of the bends and wyes shall be included in the above tender item.

Where the rigid duct is connected to the concrete pole bases, a wobble joint fitting with Styrofoam bedding shall be supplied and installed, as per OPSD 2102.01.

### c) Measurement for Payment

Measurement for payment shall be based on the lineal metre of duct installed.



## SECTION C - SPECIAL PROVISIONS - ITEMS

(Addendum No. 1) C-24

### d) Payment

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

## RIGID DUCT, DIRECT BURIED INCLUDING RESTORATION--- ITEM NO. 3.09

### a) Material

Rigid PVC ducts shall be in accordance with CSA C22.2 No. 211.2. All duct shall be supplied with pull ropes.

### b) Operation

Ducts shall be placed in a 0.3 m deep envelope of clean screened sand. 300mm wide red or yellow plastic warning tape shall be supplied and installed over the ducts in all trenches. This item shall include all excavation, sand bedding, native material for the backfill, and granular and asphalt restoration of the roadway. Native material for backfill of trenches is to be used 150 mm above the top of duct and up to the subgrade elevation. Backfill to be compacted to 95% S.P.D.

Road restoration shall include 150mm of Granular 'A' and 500mm of Granular 'B' or match existing depths. Asphalt Restoration shall include 130mm (or match existing) of Hot Mix Asphalt HL 3 compacted to 97% S.P.D.

All costs associated with the supply and installation of the bends and wyes shall be included in the above tender item.

Where the rigid duct is connected to the concrete pole bases, a wobble joint fitting with Styrofoam bedding shall be supplied and installed, as per OPSD 2102.01.

### c) Measurement for Payment

Measurement for payment shall be based on the lineal metre of duct installed.

### d) Payment

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

## SUPPLY AND INSTALL TRAFFIC SIGNS --- ITEM NOS. 2.06 & 3.10

### a) Material

All posts shall be galvanized "U-shaped" steel telescopic posts.

### b) Operation

Signs to be manufactured by Cedar Signs ([www.cedarsignsinc.com](http://www.cedarsignsinc.com)) Signs that are installed in concrete sidewalk or asphalt shall be placed in 75 mm diameter sleeves.

All signs shall have a mounting height of 1.50 to 2.0 m.

Signs shall be installed as per Ontario Traffic Manual – Book 15 (Pedestrian Crossover Level 2 Type C/D – Mid-Block)



c) Payment

Payment at the unit bid price shall be full compensation for labour, equipment, and materials to supply and install new traffic control signs.

| Supply and Install Traffic Signs |                               |                              |                                |        |
|----------------------------------|-------------------------------|------------------------------|--------------------------------|--------|
| OTM<br>Sign Number               | Description                   | Station and Offset           |                                | Qty    |
| SMITH STREET, ARTHUR             |                               |                              |                                |        |
| Ra-5L                            | Pedestrian Crossing           | Sta. 1+008.0                 | 6.4 m O/S Rt.                  | 1      |
| Ra-5R                            | Pedestrian Crossing           | Sta. 1+008.0                 | 6.4 m O/S Rt.                  | 2      |
| Ra-5L                            | Pedestrian Crossing           | Sta. 1+010.4                 | 7.1 m O/S Lt.                  | 1      |
| Ra-5R                            | Pedestrian Crossing           | Sta. 1+010.4                 | 7.1 m O/S Lt.                  | 2      |
| Ra-4t                            | Stop for Pedestrians          | Sta. 1+008.0<br>Sta. 1+010.4 | 6.4 m O/S Rt.<br>7.1 m O/S Lt. | 2<br>2 |
| Ra-10                            | No Passing – Here to Crossing | Sta. 0+974.3<br>Sta. 1+038.5 | 6.5 m O/S Rt.<br>5.2 m O/S Lt  | 1<br>1 |
| Wa-27R                           | Crossing Ahead                | Sta. 1+078.8<br>Sta. 0+950   | 5.7 m O/S Rt.<br>6.1 m O/S Lt. | 1<br>1 |
| MAIN STREET, MOUNT FOREST        |                               |                              |                                |        |
| Ra-5L                            | Pedestrian Crossing           | Sta. 0+987.1                 | 5.9 m O/S Rt.                  | 1      |
| Ra-5R                            | Pedestrian Crossing           | Sta. 0+987.1                 | 5.9 m O/S Rt.                  | 2      |
| Ra-5L                            | Pedestrian Crossing           | Sta. 0+987.4                 | 6.5 m O/S Lt.                  | 1      |
| Ra-5R                            | Pedestrian Crossing           | Sta. 0+987.4                 | 6.5 m O/S Lt.                  | 2      |
| Ra-4t                            | Stop for Pedestrians          | Sta. 0+987.1<br>Sta. 0+987.4 | 5.9 m O/S Rt.<br>6.5 m O/S Lt. | 2<br>2 |
| Ra-10                            | No Passing – Here to Crossing | Sta. 0+957.9<br>Sta. 1+020.6 | 5.7 m O/S Rt.<br>5.9 m O/S Lt. | 1<br>1 |
| Wa-27R                           | Crossing Ahead                | Sta. 0+910.7<br>Sta. 1+067.3 | 5.7 m O/S Rt.<br>5.9 m O/S Lt. | 1<br>1 |

DOUBLE SIDED RECTANGULAR RAPID FLASHING BEACON, INCLUDING SOLAR ENGINE AND AUDIBLE PEDESTRIAN PUSHBUTTON --- ITEM NOS. 2.07 & 3.11

a) Material

Double sided rectangle rapid flashing beacons shall be manufactured by Tapco or an approved equivalent. The units are available from:

This item shall include the accessible audible pushbuttons for the PXO. Audible pedestrian pushbuttons shall be a Polara INx system. The pushbuttons shall have one-way arrows at each with the informational sign indicating "Push button to turn on warning lights". The pushbutton shall be operated such that the button will activate the audible message "Yellow lights are flashing". The locator tone shall be adjustable and shall adjust to ambient sounds. The pushbutton stations shall be yellow.



b) Operation

The pedestrian signal system shall be adjusted and tested at the time of beacon turn-on.

c) Payment

Payment at the Contract Price for the above item shall include all labour, equipment, and materials required to do the work.

9.14m CONCRETE POLE, DIRECT BURIED --- ITEM NO. 2.08

a) Material

Poles shall be 9.14m (30') round prestressed, Class B reinforced concrete poles by STRESS-CRETE, Cat # E300-BPR-G-CAA S/F Style 120.

b) Operation

***The Contractor shall supply the pole manufacturer with the hole spacing requirements for the installation of the solar luminaire and engine prior to purchase. Shop drawings must be submitted and approved prior to purchase and installation.***

***The poles shall be direct-buried, backfilled with compacted limestone screenings.***

c) Measurement for Payment

Measurement for payment shall be on the basis of each pole installed.

d) Payment

Payment at the Contract Price for the above tender items shall include all labour, equipment and materials required to do the work. The unit price shall be fixed regardless of installation methods and/or site conditions. Extras for shale, utility conflicts, locate delay errors will not be considered.

STEEL POLE, BASE MOUNTED --- ITEM NOS. 2.09, 3.12 & 3.13

a) Material

The poles shall be 11-gauge galvanized steel octagonal, with a hot dip galvanized finish.

b) Operation

The poles shall be installed on concrete bases as shown on the Contract Drawings. No erection of poles shall take place within 72 hours of the construction of the concrete bases.

The poles shall be installed with the "rake" as recommended by the manufacturer so as to assure a vertical set when the load is applied. Threaded adjusting nuts shall be used to establish the "rake". The use of shims or other levelling devices shall not be permitted.

c) Measurement for Payment

Measurement for payment shall be on the basis of each pole installed.



ALUMINUM MAST ARM --- ITEM NOS. 2.11, 2.12, 3.15

a) Material

The mast arms shall be aluminium. All incidental and mounting hardware shall be stainless steel or hot dip galvanized.

b) Operation

Mast arms shall be mounted to provide a minimum of 5.0 metres vertical clearance between the bottom of the traffic signs and the travelled portion of the road.

c) Measurement for Payment

Measurement for payment shall be on the basis of each mast arm installed.

d) Payment

Payment at the Contract price for the above tender item shall be full compensation for all labour, equipment and materials required to complete the work described above.

LUMINAIRE AND 2.4 m BRACKET --- ITEM NOS. 2.13 & 3.16

a) Material

Cobra head luminaires and brackets shall be supplied and installed on the poles. Brackets are to be 2.4m aluminium tapered elliptical. Luminaires shall be 80-Watt Light Emitting Diode (LED), Series NXT-M as manufactured by LED Lumex p/n RFM-72W32LED4K-G2-R2M-UNV-DMG-FAWS-RCD7-GY3 or approved equivalent.

b) Operation

Each luminaire shall be fused at the handhole with 15 Amp fuses in a 65xD65 Elastimold fused connector kit.

c) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment, and materials required to complete the work described above.

PAVEMENT MARKINGS, OBLITERATION --- ITEM NOS. 2.14 & 3.17

a) Operation

All mechanical grinding pavement marking obliteration shall be carried out using a soft abrasive blast cleaning system or high-pressure water method. The depth of removal shall be the minimum required to totally remove the existing pavement markings, to a normal depth, typically averaging 3mm.

The Contractor's operation shall be carried out so as to control any dust or effluent generated by the operation. The use of black out paint or temporary tape will not be permitted.

The Contractor shall control the operation so that the asphalt pavement is not damaged in any way and to ensure that no pavement marking remains visible upon completion. Failure to remove the markings as specified by the Engineer will require the Contractor to return to the site and remove



the remaining markings at their own expense.

Any excessive damages to the asphalt caused by the obliteration operation and subsequent cost of repair/replacement shall be at the Contractor's expense. The Owner shall undertake the repair of the asphalt and shall invoice the Contractor for the costs.

Pavement marking obliteration shall be by Abrasive Blasting, in accordance with MTO Standard Special Provision 710S03.

b) Measurement for Payment

Measurement for payment shall be based on the lineal metre.

c) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment and material required to complete the work described above.

REMOVAL OF EXISTING SCHOOL CROSSING SIGNS --- ITEM NOS. 2.18 & 3.21

a) Operation

Existing signs shall be removed, salvaged, and delivered to the Townships Public Works Facility on Main Street North, Mount Forest or Eliza Street, Arthur).

b) Payment

Payment at the unit bid price shall be full compensation for all labour, equipment and material required to complete the work above.

**ROTATE EXISTING LUMINAIRE AND BRACKET --- ITEM NO. 2.23**

a) Operation

*This item covers the removal, salvage, and reinstallation of the existing luminaire and bracket. The luminaire and bracket shall be rotated as shown on the Contract Drawings.*

b) Payment

*Payment at the Contract Price for the above tender item shall be full compensation for all labour, equipment and materials required to do the work.*

**STREETLIGHT CABLE SYSTEM --- ITEM NOS. 2.24 & 3.26**

a) Material

*The streetlight wiring shall be #6 Cu.RWU-90 complete with jacketed ground.*

b) Operation

*A sufficient length of wire shall be left coiled at the power supply source and attached to the pole to allow Wellington North Power to connect to the overhead secondary circuit. The Contractor shall make all connections to the light standards.*



c) **Payment**

*Payment shall be made on a lump sum basis for the supply, installation, and connection of all cabling required.*

**FLEXIBLE DUCT, DIRECTIONAL DRILLED --- ITEM NO. 3.27**

a) **Material**

*Flexible HDPE ducts shall be compliant with ASTM F2160-10.*

b) **Operation**

*The ducts are to be installed crossing Main Street in accordance with the configuration shown on the Contract Drawings. All costs associated with the supply and installation of the bends, wyes, and connection to the rigid duct shall be included in the above tender item.*

c) **Measurement for Payment**

*Measurement for payment shall be based on the lineal metre of duct drilled as shown on the Contract Drawings.*

d) **Payment**

*Payment at the Contract price for the above tender item shall be full compensation for all labour, equipment, and materials required to do the work.*



**MISCELLANEOUS**

CONSTRUCTION LAYOUT --- ITEM NOS. 1.47, 2.21 & 3.24

a) Operation

The Contract Administrator shall provide the Contractor with the following:

- i. Geodetic Benchmarks.
- ii. Digital Copy of the Tender Drawings.

The Contractor shall provide the Contract administrator with a copy of all grade sheets required during construction of the various stages of work including boning rod and cross-heads.



**PROVISIONAL**WATER SERVICES TO PROPERTY LINE INCLUDING RESTORATION --- ITEM NO. 4.01a) Disposal of Excavation Material

***All excavated material, except that material required for fill in boulevard etc, shall be the property of the Contractor and shall be disposed of off-site except where material is required for fill areas.***

***Chemical analysis was not undertaken on Smith Street, Arthur. The required tests for chemical analysis may vary and will depend on the disposal site utilized by the Contractor. Should the Contractor's choice of disposal site require testing or only accept laboratory test results that have been completed within 30 days of exporting, then those costs for chemical analysis will be the responsibility of the Municipality.***

***Refer to Special Provisions – General, Section 7 (Management of Excess Materials).***

b) Removal of Existing Pipes

All pipes 300 mm diameter and under, encountered in the excavation other than those specified for removal elsewhere in this specification, shall be considered as soil excavation and no additional payment will be made for their removal, disposal and plugging of open pipes remaining.

c) Material

Crosslinked polyethylene (PEX) conforming to AWWA C904, "Municipex" by Rehau, "Blue904" by Ipex or approved equivalent.

Anodes shall be DPZ-5, 2.7 kg and shall be installed on mainstop and curb stop. Double nut type connections of anodes to pipes and fittings.

Tracer wire shall be 12 gauge, 7 strand copper with plastic coating. Waterproof connectors for tracer wire to be DryConn Direct Bury Lug Aqua with dielectric silicone filled to seal out moisture and corrosion.

Mainstops stops shall be either Cambridge Brass, Ball Style, Series 301NL (No-lead), AWWA x CB assembly or Mueller Canada, Mueller Ground Key Design Type, H-15008N (No-lead), Mueller 110 Compression Joint.

Curb stops shall be either Cambridge Brass, Ball Style, Series 202NL (No-lead), CB Compression x CB Compression assembly or Mueller Canada, Mueller Mark II Oriseal, Type H-15209N (No-lead), Mueller 110 Compression Joint.

Saddle shall be Robar Stainless Steel, 2616 Double Bolt, Wide Band.

Rod and pin shall be stainless steel.

Bedding and cover material shall be sand, to 300 mm above the top of pipe.

d) Operation

Only certified operators from Wellington North Environmental Services Department shall operate valves on existing watermains for the purpose of controlling water. No person other than the certified operators from Wellington North Environmental Services Department shall shut down or charge any section of existing watermain or operate any valve for the purpose of controlling water from existing watermains.



The Contractor shall provide Wellington North Environmental Services Department at least forty-eight (48) hours advance notice when a change in control of the water is required. All necessary water supply interruptions shall be scheduled in co-operation with Wellington North Environmental Services Department.

All building occupants shall be notified forty-eight (48) hours in advance of shut down of their water supply.

The Contractor shall maintain temporary water supply to all existing buildings that are affected by a water shut down in excess of eight (8) continuous hours.

The Contractor shall comply with the Safe Drinking Water Act (SDWA) and all applicable regulations made in accordance with that act, including but not limited to the Drinking Water Works Permit (DWWP) and the Municipal Drinking Water License (MDWL). Both the DWWP and the MDWL can be made available to the Contractor by the Contract Administrator upon request.

Native material for backfill of trenches is to be used from 300 mm above the top of the pipe and up to subgrade elevation. Backfill to be compacted to 95% S.P.D.

Decommissioning of existing water service to have mainstop turned off, mainstop plug installed and anode installed on existing mainstop.

Water services to have minimum 2.0 m cover.

Anodes to be installed on curb stop and main stops regardless of type of material (copper or PEX). Main stops and curb stops to have electrical connection for anode to attach.

Anode connecting wire shall be loosely wrapped around pipes and fittings and knotted. Anode shall be installed with double nut type connection, complete with sacrificial zinc nuts, as per Standard Drawing W10 – Cathodic Protection for PVC Watermain Systems.

Unions are not permitted

e) Payment

Payment at the unit bid price shall include saw cutting, removal and disposal of existing asphalt pavement, removal and replacement of concrete curb and gutter (where required), removal and replacement of 150 mm diameter perforated corrugated plastic (HDPE Boss 2000) sub-drain with non-woven geotextile subdrain (where required) and concrete sand bedding, including connection of subdrain to existing subdrain, removal and disposal of existing watermain, decommissioning of existing water service to have mainstop turned off, mainstop plug installed and anode on existing mainstop (where required) and shall be based on each service constructed from existing watermain, including mainstop, saddle, service pipe, tracer wire, anodes, curb stop and box, reconnected to existing service at property line, top to be painted blue, granular embedment, loading, hauling and disposing of excess soil, approved native backfill to sub-grade elevation compacted to 95% S.P.D., milling of asphalt joint and complete restoration.

Restoration shall be as follows:

Road Restoration

|              |                   |
|--------------|-------------------|
| Granular "B" | - 500 mm          |
| Granular "A" | - 200 mm or match |

Boulevard Restoration

|         |          |
|---------|----------|
| Topsoil | - 200 mm |
| Sod     |          |



TOWNSHIP OF WELLINGTON NORTH



CONTRACT FOR RECONSTRUCTION FOR **SMITH STREET** ARTHUR AND CONSTRUCTION OF PEDESTRIAN CROSS OVER ON **SMITH STREET** ARTHUR AND **MAIN STREET NORTH** MOUNT FOREST

CONTRACT No. RFT 2024-007

ISSUED FOR PUBLIC INFORMATION  
ISSUED FOR TENDER  
ISSUED FOR TENDER(ADDENDUM NO.1)  
ISSUED FOR CONSTRUCTION  
AS RECORDED

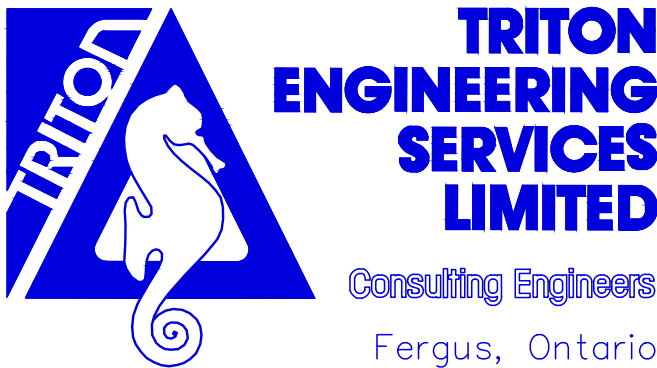
— OCTOBER 2023  
— FEBRUARY 2024  
— MARCH 2024  
—  
—

LIST OF DRAWINGS

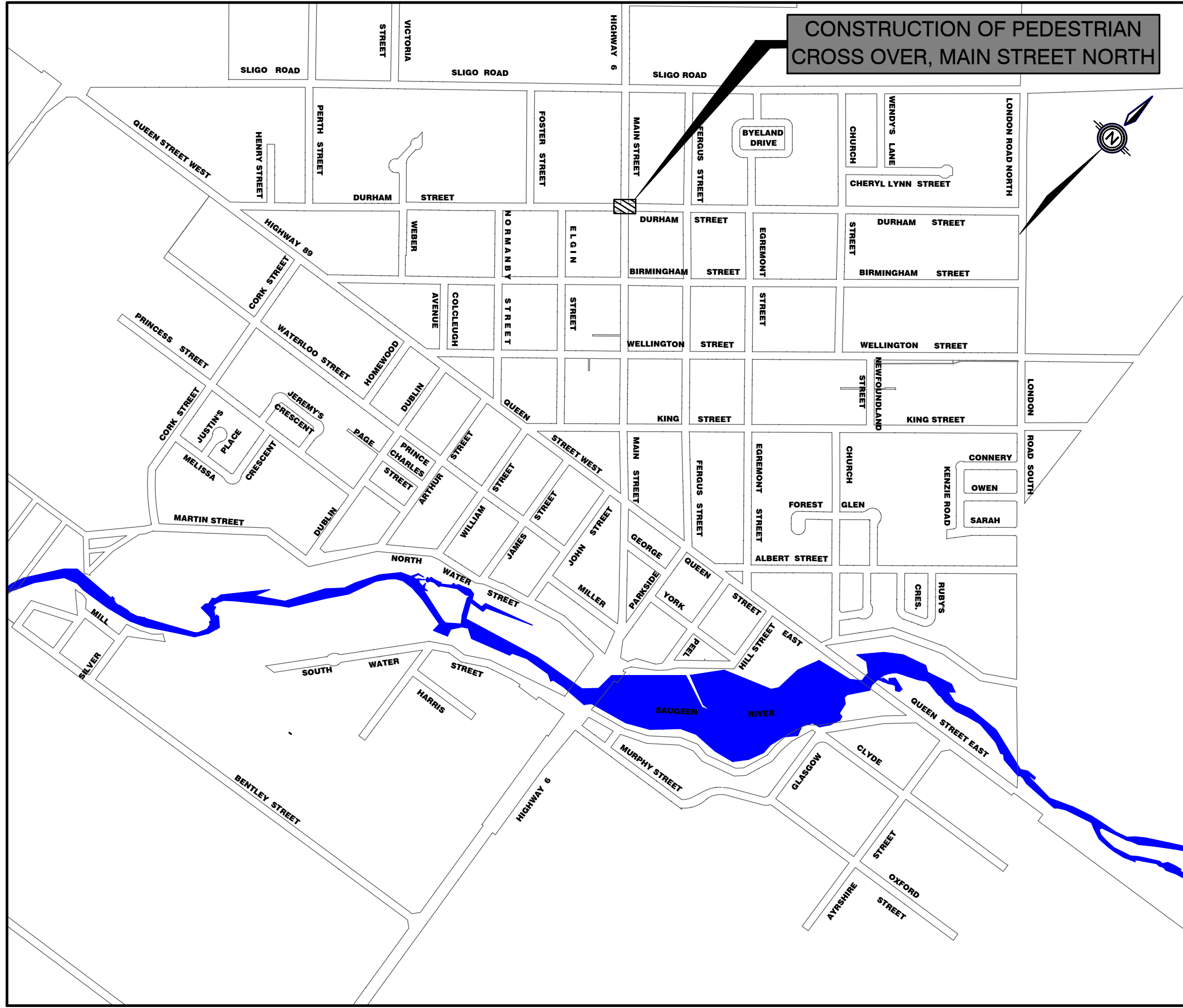
00 - COVERSHEET

RECONSTRUCTION OF SMITH STREET AND CONSTRUCTION OF PEDESTRIAN CROSSOVERS ON SMITH ST (ARTHUR) AND MAIN STREET NORTH (MOUNT FOREST)

- 01 - RECONSTRUCTION OF SMITH STREET (ARTHUR) - PLAN, WELLS STREET TO 0+580m
- 02 - RECONSTRUCTION OF SMITH STREET (ARTHUR) - PLAN, STA. 0+580m TO 0+220m
- 03 - RECONSTRUCTION OF SMITH STREET (ARTHUR) - PLAN, STA. 0+220m TO CONESTOGA STREET
- 04 - SECTIONS & DETAIL DRAWINGS
- 05 - PXO CONSTRUCTION, SMITH STREET (ARTHUR) - PLAN
- 06 - PXO CONSTRUCTION, MAIN STREET NORTH, MOUNT FOREST - PLAN
- PM1 - PAVEMENT MARKING PLAN, SMITH STREET (ARTHUR) - WELLS TO 0+580m
- PM2 - PAVEMENT MARKING PLAN, SMITH STREET (ARTHUR) - 0+580m TO 0+220m
- PM3 - PAVEMENT MARKING PLAN SMITH STREET (ARTHUR) - 0+220m TO CONESTOGA STREET

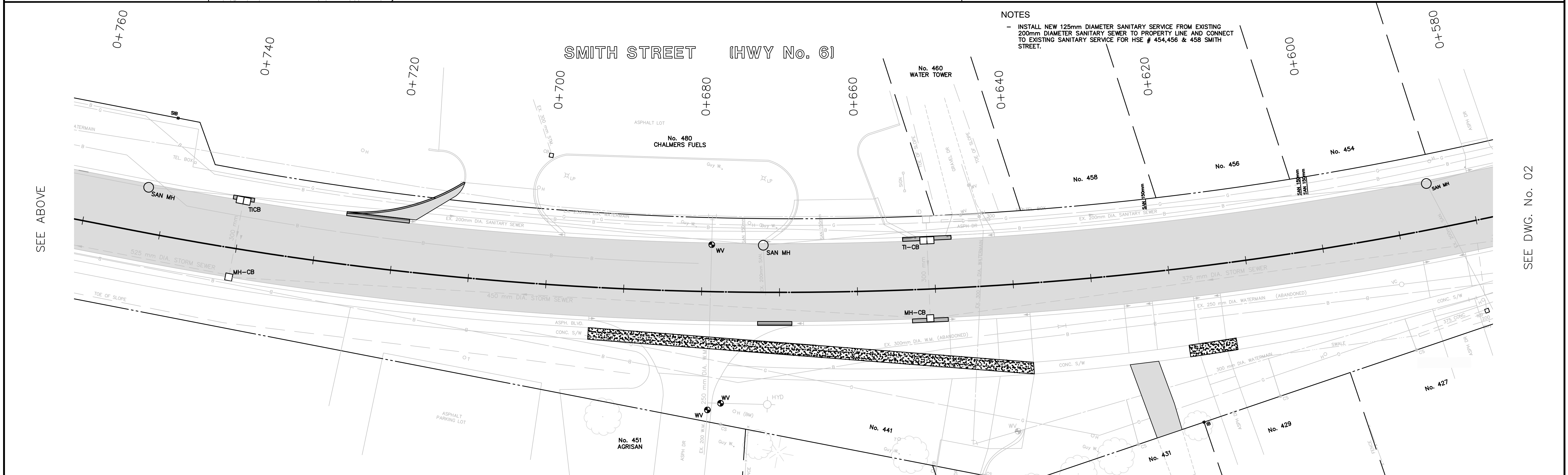
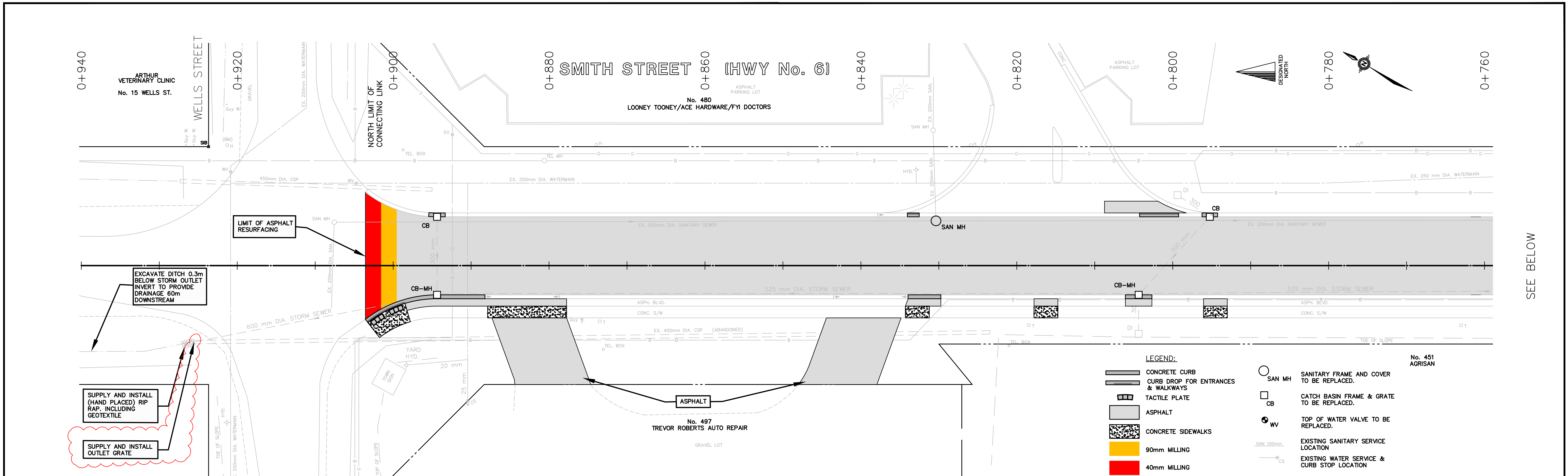


ARTHUR - KEY PLAN



MOUNT FOREST - KEY PLAN



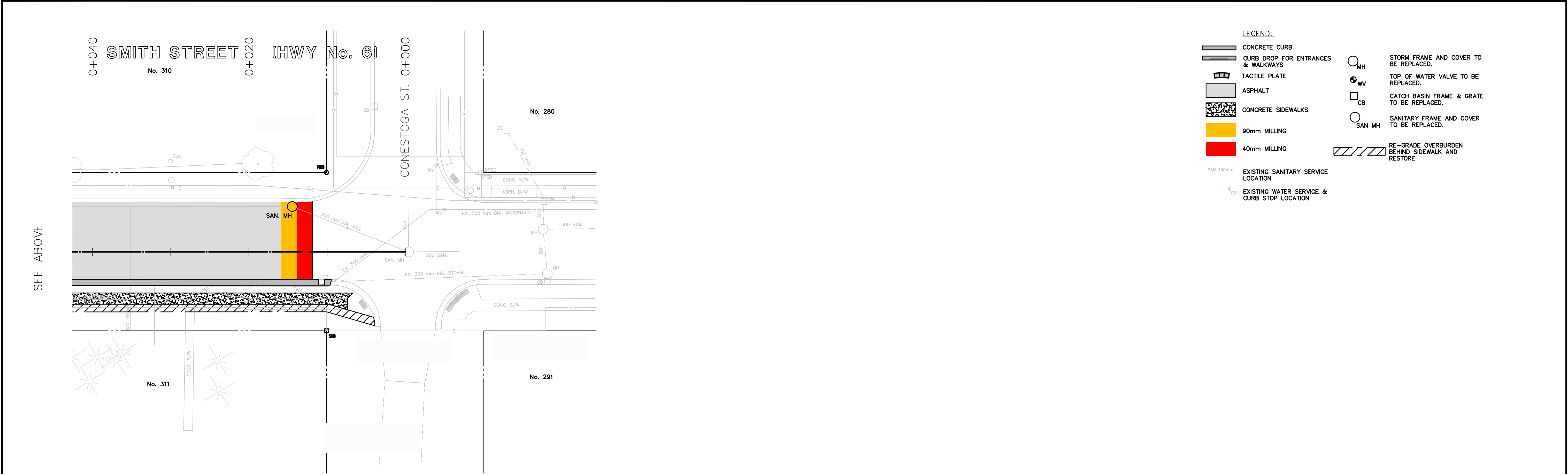
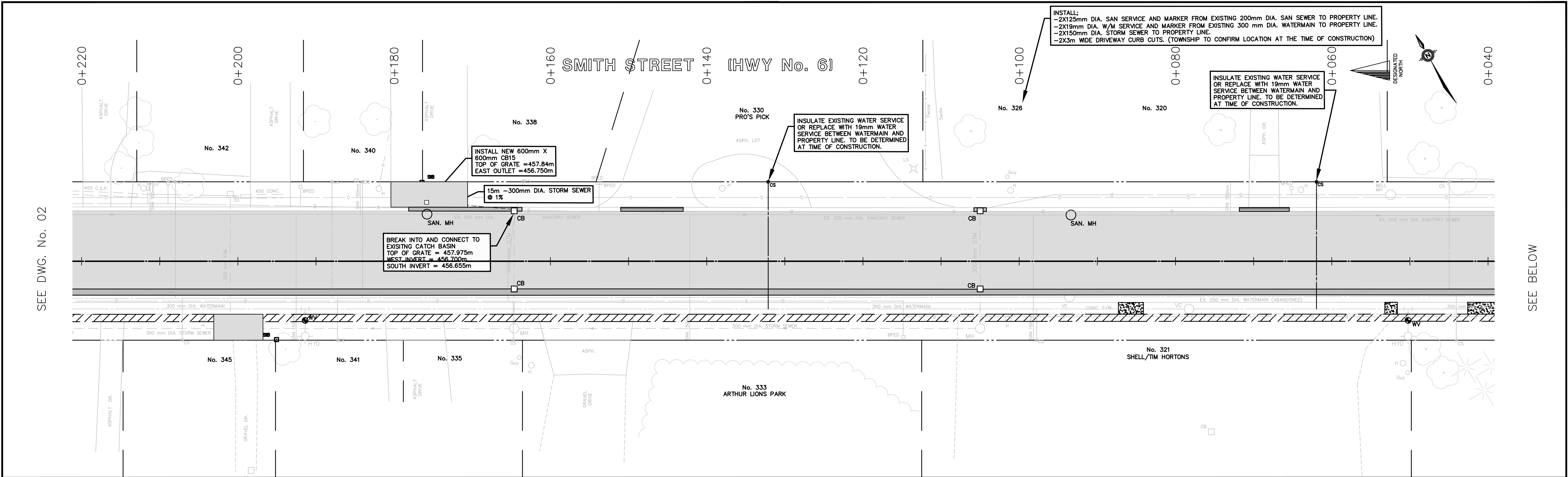


|  |      |          |         |   |  |  |                                       |   |                     |                  |
|--|------|----------|---------|---|--|--|---------------------------------------|---|---------------------|------------------|
| NOTES  |      |          |         |  | RECONSTRUCTION OF<br>SMITH STREET (HWY. 6)<br><br>(ARTHUR) | TOWNSHIP OF WELLINGTON NORTH<br>7490 SIDEROAD 7 WEST<br>KENILWORTH, ONTARIO N0G 2E0<br><br>RECONSTRUCTION PLAN<br>WELLS STREET TO STA. 0+580 | CONTRACT No: RFT 2024-007             |  <b>TRITON<br/>ENGINEERING<br/>SERVICES<br/>LIMITED</b><br><i>Consulting Engineers</i> | SCALES              |                  |
| - THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE |      |          |         |   |  |  | PROJECT No: M5989                     |   | 1:250<br>HORIZONTAL | 1:50<br>VERTICAL |
| 3. 2024/03/11 ISSUED FOR TENDER (ADDENDUM 1)   |      |          |         |   |  |  | DRAWN BY: A.S.B.<br><i>(initials)</i> |   |                     |                  |
| 2. 2024/02/01 ISSUED FOR TENDER  |      |          |         |   |  |  | CHECKED BY: L.S.                      |   |                     |                  |
| 1. 2023/10/23 ISSUED FOR PUBLIC INFORMATION  |      |          |         |   |  |  | APPROVED BY: P.F.Z.                   |   | DRAWING<br>NUMBER   |                  |
| No   | DATE | REVISION | INITIAL |   |  |  | DATE: MARCH, 2024                     |   | 01                  |                  |



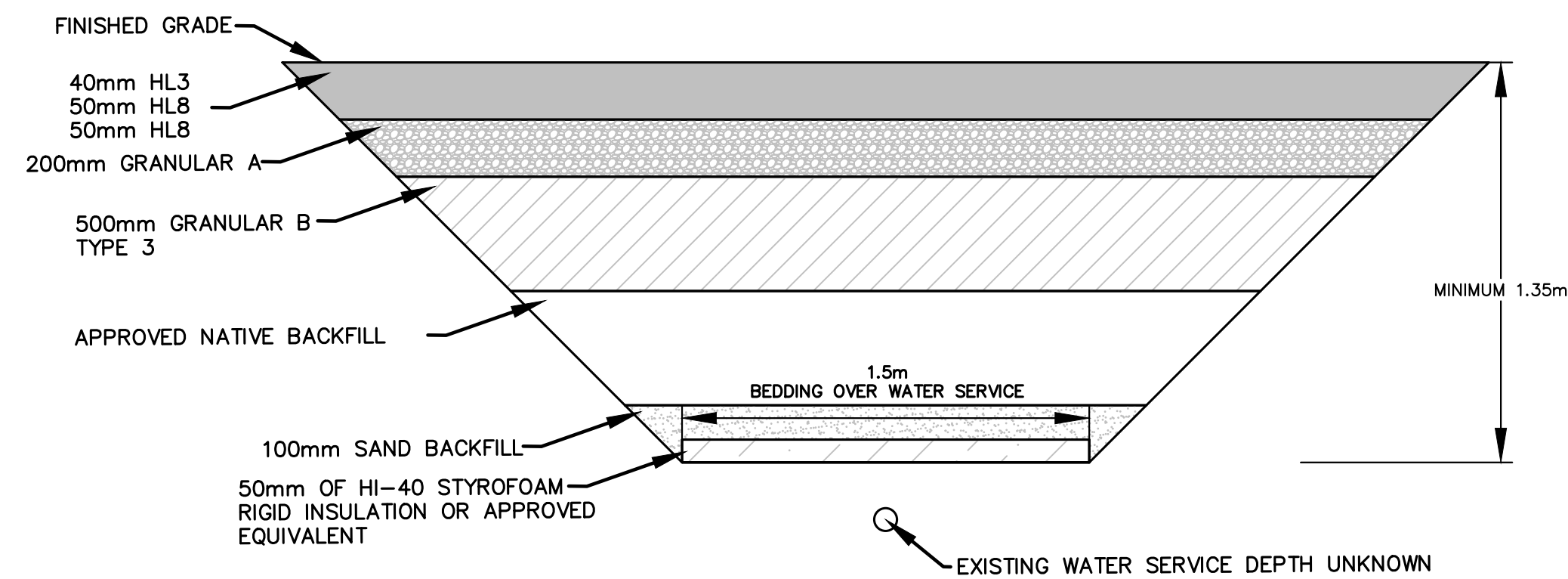






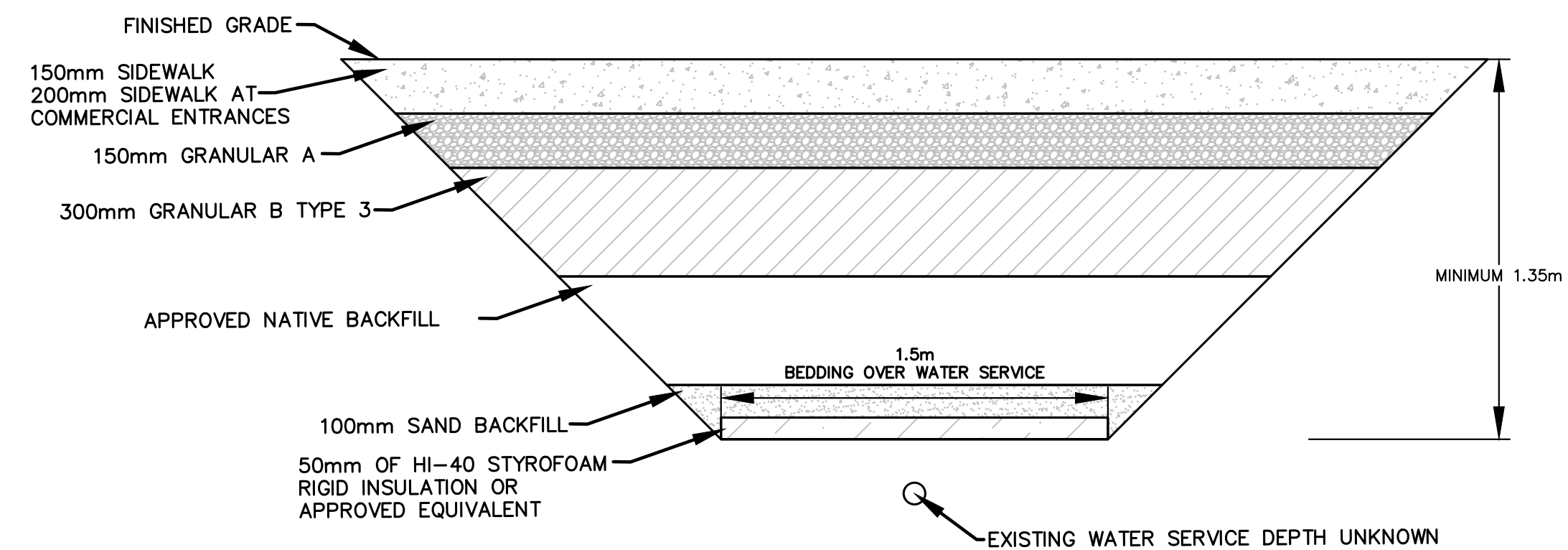
|  |                          |   |                    |   |   |  |                                      |  |  |
|--|--------------------------|---|--------------------|---|---|--|--------------------------------------|--|--|
| <div>NOTES</div> <div><div>- THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE.</div></div> |                          |   |                    | <div><div><div><div>2024/03/11</div><div>L.M. SCOTT</div><div>100128227</div><div>PROFESSIONAL ENGINEER</div><div>PROVINCE OF ONTARIO</div></div></div></div> | <div>RECONSTRUCTION OF<br/>SMITH STREET (HWY. 6)<br/>(ARTHUR)</div> | <div>TOWNSHIP OF WELLINGTON NORTH<br/>7490 SIDEROAD 7 WEST<br/>KENILWORTH, ONTARIO N0G 2E0</div> <div>RECONSTRUCTION PLAN<br/>STA. 0+220 TO CONESTOGA STREET</div> | <div>CONTRACT No: RFT 2024-007</div> | <div><div><div><div><div></div><div>Triton</div></div><div><div>TRITON</div><div>ENGINEERING</div><div>SERVICES</div><div>LIMITED</div><div>Consulting Engineers</div></div></div></div></div> | <div>SCALES</div> <div><div>1:250</div><div>HORIZONTAL</div></div> <div><div>1:50</div><div>VERTICAL</div></div> |
|  |                          |   |                    |   |   |  | <div>PROJECT No: M5989</div>         |  | <div>DRAWING NUMBER</div> <div>03</div>  |
|  |                          |   |                    |   |   |  | <div>DRAWN BY: A.S.B.</div>          |  |  |
|  | <div>3. 2024/03/11</div> | <div>ISSUED FOR TENDER (ADDENDUM 1)</div> | <div>LS</div>      |   |   |  | <div>CHECKED BY: L.S.</div>          |  |  |
|  | <div>2. 2024/02/01</div> | <div>ISSUED FOR TENDER</div>              | <div>LS</div>      |   |   |  | <div>APPROVED BY: P.F.Z.</div>       |  |  |
|  | <div>1. 2023/10/23</div> | <div>ISSUED FOR PUBLIC INFORMATION</div>  | <div>P.F.Z.</div>  |   |   |  | <div>DATE: MARCH, 2024</div>         |  |  |
| <div>No</div>  | <div>DATE</div>          | <div>REVISION</div>                       | <div>INITIAL</div> |   |   |  |                                      |  |  |





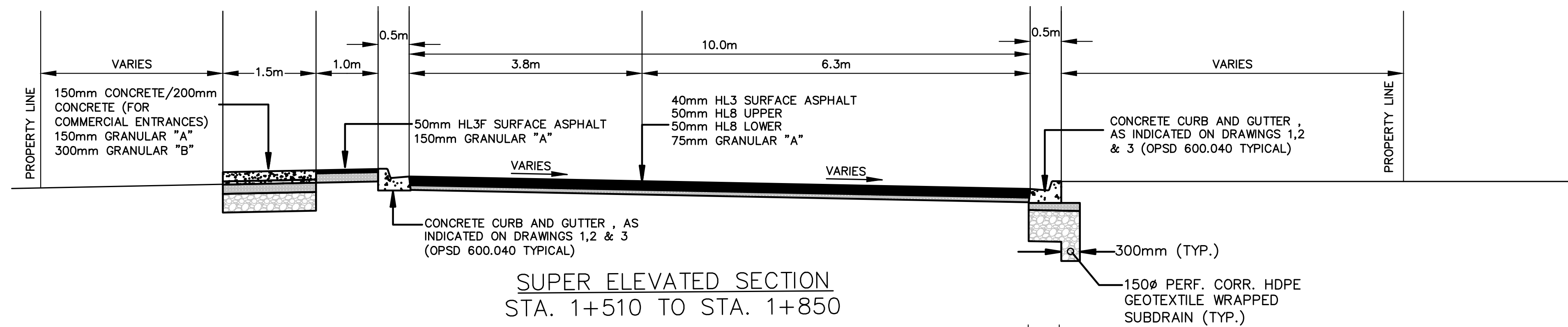
WATER SERVICE INSULATION AND RESTORATION DETAIL  
WITHIN ROADWAY

- NOTES:
- INSULATION TO BE PLACED OVER THE WATER SERVICES AS INDICATED ON DRAWING 3 OR AS INDICATED BY THE CONTRACT ADMINISTRATOR
  - BACKFILL MATERIAL OVERTOP OF THE INSULATION SHALL BE SAND MATERIAL WITH FINE AGGREGATE PASSING THE 4.75mm SIEVE AND RETAINED ON A 75microm SIEVE, AS PER OPSS 1001.
  - CONTRACTOR TO LOCATE EXISTING WATER SERVICE AND MARK OUT WITH PAINT TO ENSURE INSULATION IS CENTERED OVER EXISTING WATER SERVICE AND WATERMAIN.

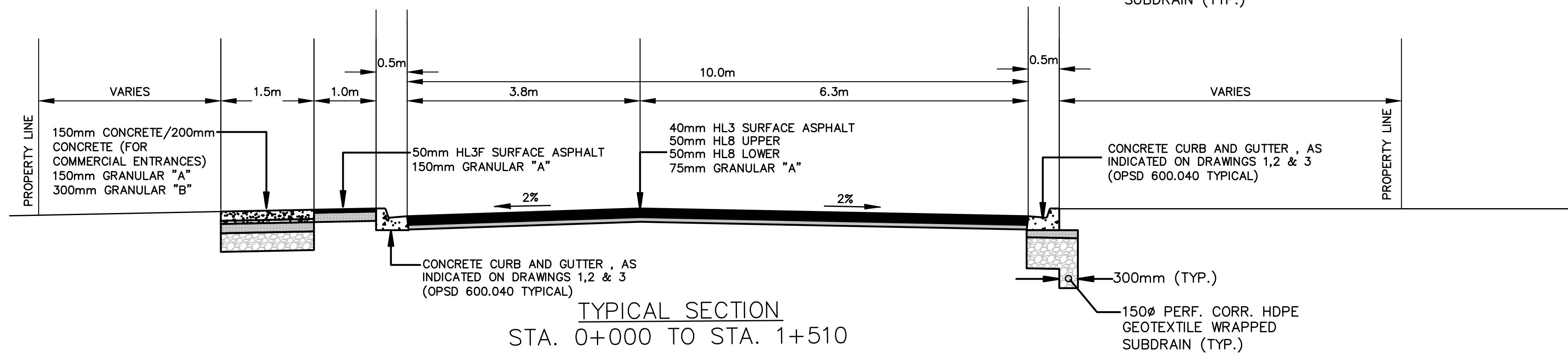


WATER SERVICE INSULATION AND RESTORATION  
DETAIL UNDER SIDEWALK

- NOTES:
- INSULATION TO BE PLACED OVER THE WATER SERVICES AS INDICATED ON DRAWING 3 OR AS INDICATED BY THE CONTRACT ADMINISTRATOR
  - BACKFILL MATERIAL OVERTOP OF THE INSULATION SHALL BE SAND MATERIAL WITH FINE AGGREGATE PASSING THE 4.75mm SIEVE AND RETAINED ON A 75microm SIEVE, AS PER OPSS 1001.
  - CONTRACTOR TO LOCATE EXISTING WATER SERVICE AND MARK OUT WITH PAINT TO ENSURE INSULATION IS CENTERED OVER EXISTING WATER SERVICE.



SUPER ELEVATED SECTION  
STA. 1+510 TO STA. 1+850



TYPICAL SECTION  
STA. 0+000 TO STA. 1+510  
AND  
STA. 1+850 TO STA. 1+900

- NOTES
- THE LOCATION OF UTILITIES IS APPROXIMATE ONLY AND SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION AGAINST DAMAGE

| No | DATE       | REVISION                       | INITIAL |
|----|------------|--------------------------------|---------|
| 3. | 2024/03/11 | ISSUED FOR TENDER (ADDENDUM 1) | L.S.    |
| 2. | 2024/02/01 | ISSUED FOR TENDER              | L.S.    |
| 1. | 2023/10/23 | ISSUED FOR PUBLIC INFORMATION  | P.F.Z.  |

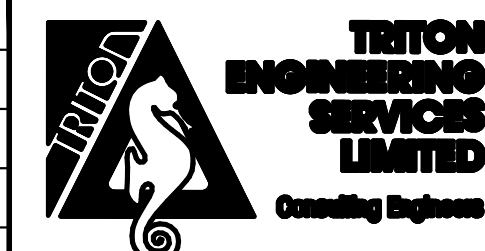


RECONSTRUCTION OF  
SMITH STREET (HWY. 6)  
(ARTHUR)

TOWNSHIP OF WELLINGTON NORTH  
7490 SIDEROAD 7 WEST  
KENILWORTH, ONTARIO N0G 2E0

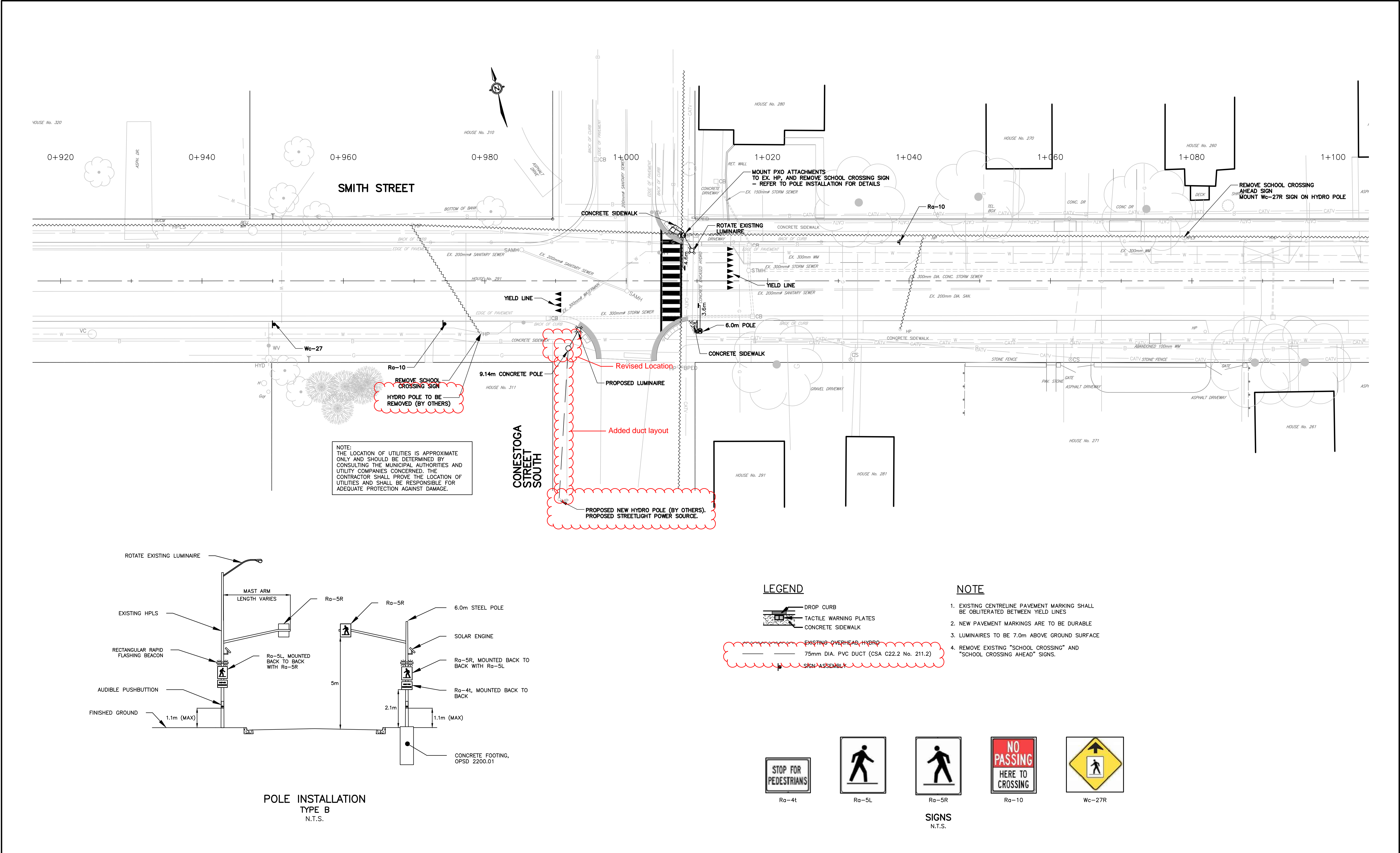
RECONSTRUCTION PLAN  
SECTIONS & DETAIL DRAWINGS


CONTRACT No: RFT 2024-007  
PROJECT No: M5989  
DRAWN BY: A.S.B.  
CHECKED BY: L.S.  
APPROVED BY: P.F.Z.  
DATE: MARCH, 2024



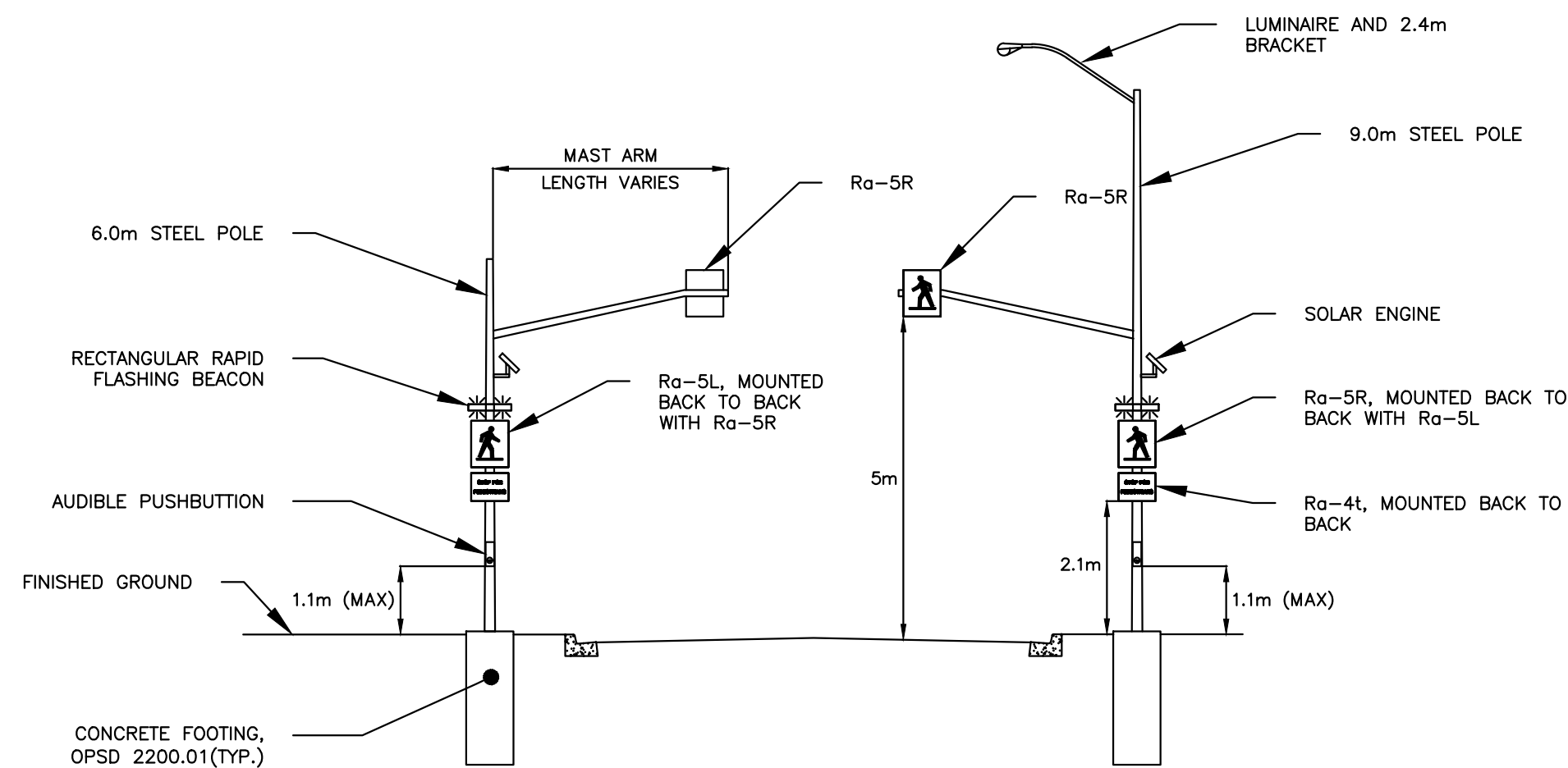
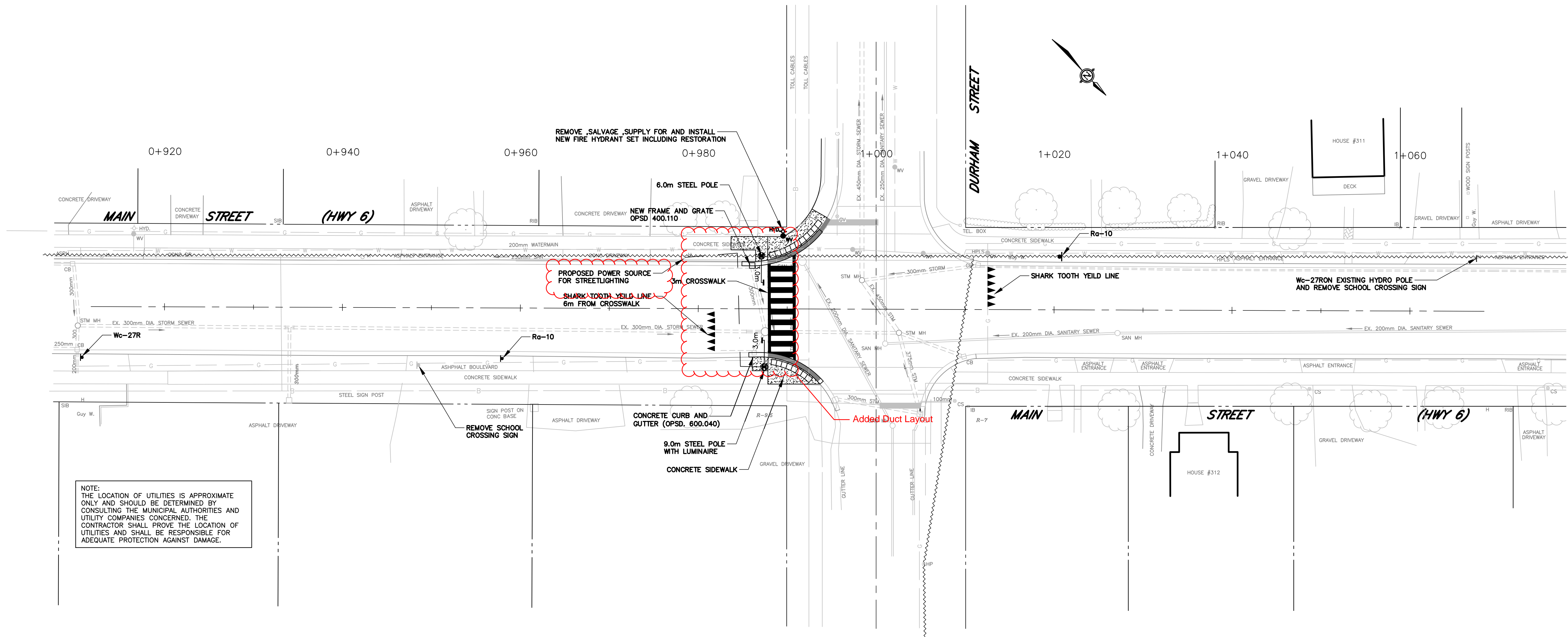
SCALES  
1:250 HORIZONTAL  
1:50 VERTICAL  
DRAWING NUMBER  
**04**





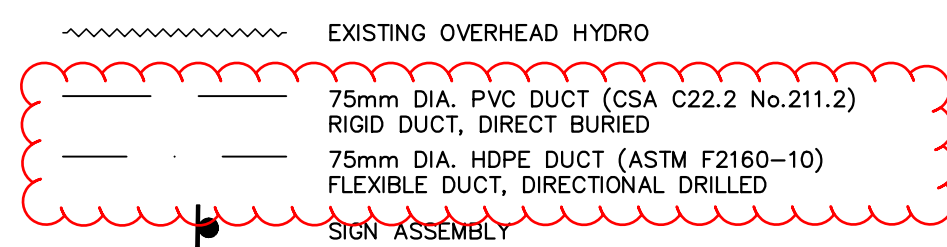
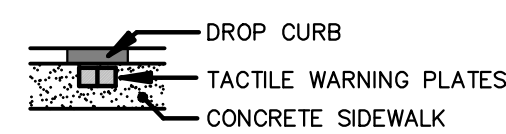
|       |    |            |                                    |         |  |  |  |                            |  |   |                   |          |
|-------|----|------------|------------------------------------|---------|--|--|--|----------------------------|--|---|-------------------|----------|
| NOTES |    |            |                                    |         |  | PXO CONSTRUCTION<br>SMITH STREET<br>INTERSECTION WITH CONESTOGA STREET<br>ARTHUR, ON | TOWNSHIP OF WELLINGTON NORTH<br>7490 SIDEROAD 7 WEST P.O BOX 125<br>KENILWORTH ONTARIO N | PROJECT No<br>RFT 2024-007 |  |  <b>TRITON<br/>ENGINEERING<br/>SERVICES<br/>LIMITED</b><br><small>Consulting Engineers</small> | SCALES            |          |
|       |    |            |                                    |         |  |  |  |                            |  |   | 1:250             | N/A      |
|       |    |            |                                    |         |  |  |  |                            |  |   | HORIZONTAL        | VERTICAL |
|       | 03 | 2024/03/11 | ISSUED FOR TENDER (ADDENDUM No. 1) | T.J.K.  |  |  |  |                            |  |   |                   |          |
|       | 02 | FEB 2024   | ISSUED FOR TENDER                  | L.S     |  |  |  |                            |  |   |                   |          |
|       | 01 | JAN 22nd   | ISSUED FOR MTO REVIEW              | T.J.K.  |  |  |  |                            |  |   |                   |          |
|       | No | DATE       | REVISION                           | INITIAL |  |  |  |                            |  |   | DRAWING<br>NUMBER | 05       |





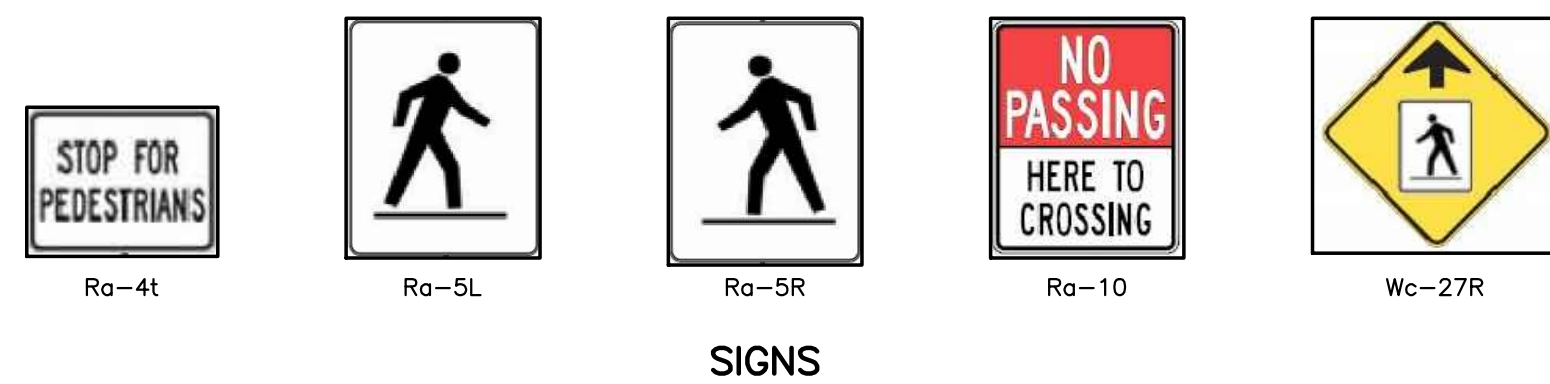
POLE INSTALLATION  
TYPE B  
N.T.S.

LEGEND



NOTES

- EXISTING CENTRELINE PAVEMENT MARKING SHALL BE OBLITERATED BETWEEN YIELD LINES
- NEW PAVEMENT MARKINGS ARE TO BE DURABLE



SIGNS

NOTES

| No | DATE       | REVISION                           | INITIAL |
|----|------------|------------------------------------|---------|
| 03 | 2024/03/11 | ISSUED FOR TENDER (ADDENDUM No. 1) | T.J.K.  |
| 02 | FEB 2024   | ISSUED FOR TENDER                  | L.S.    |
| 01 | JAN 22nd   | ISSUED FOR MTO REVIEW              | T.J.K.  |



PXO CONSTRUCTION  
MAIN STREET  
INTERSECTION WITH DURHAM STREET  
MOUNT FOREST

TOWNSHIP OF WELLINGTON NORTH  
7490 SIDEROAD 7 WEST P.O. BOX 125  
KENILWORTH ONTARIO N

PLAN

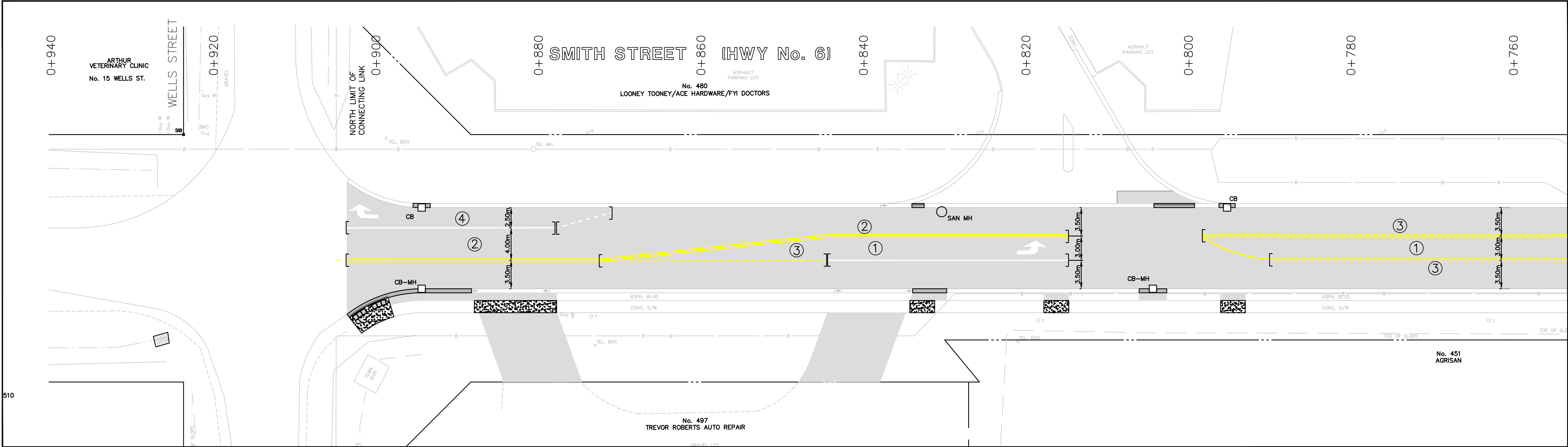
|                                   |
|-----------------------------------|
| PROJECT No<br><b>RFT 2024-007</b> |
| DRAWN BY: M.H.                    |
| CHECKED BY: T.J.K.                |
| APPROVED BY: T.J.K.               |
| DATE: JULY 2023                   |



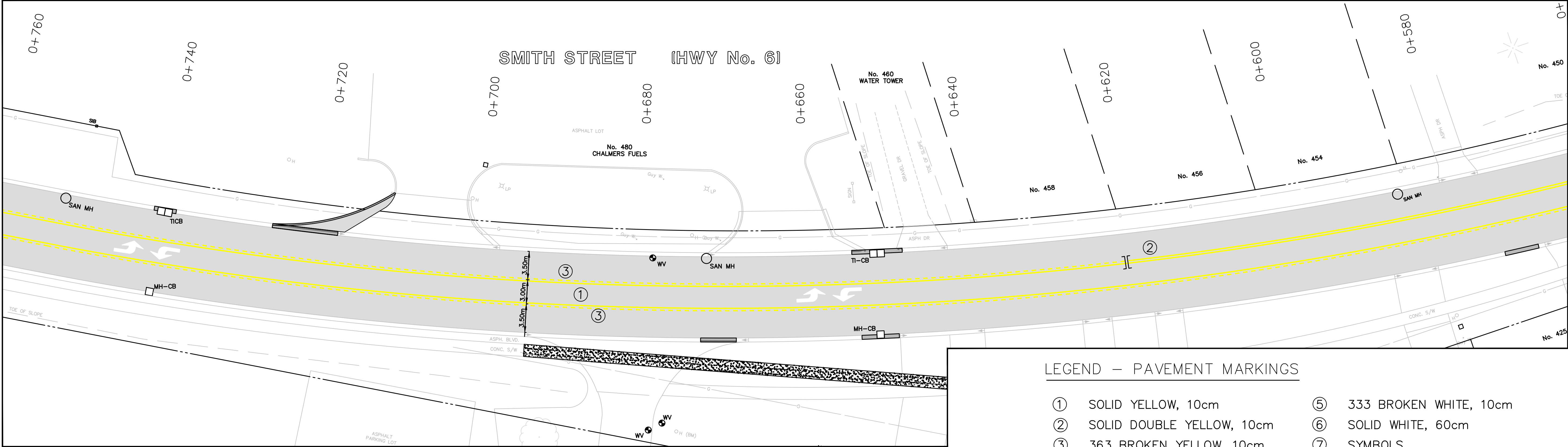
**TRITON  
ENGINEERING  
SERVICES  
LIMITED**  
Consulting Engineers

| SCALES            |           |
|-------------------|-----------|
| 1:250             | N/A       |
| HORIZONTAL        | VERTICAL  |
| DRAWING<br>NUMBER | <b>06</b> |





HIGHWAY 6 - SMITH STREET

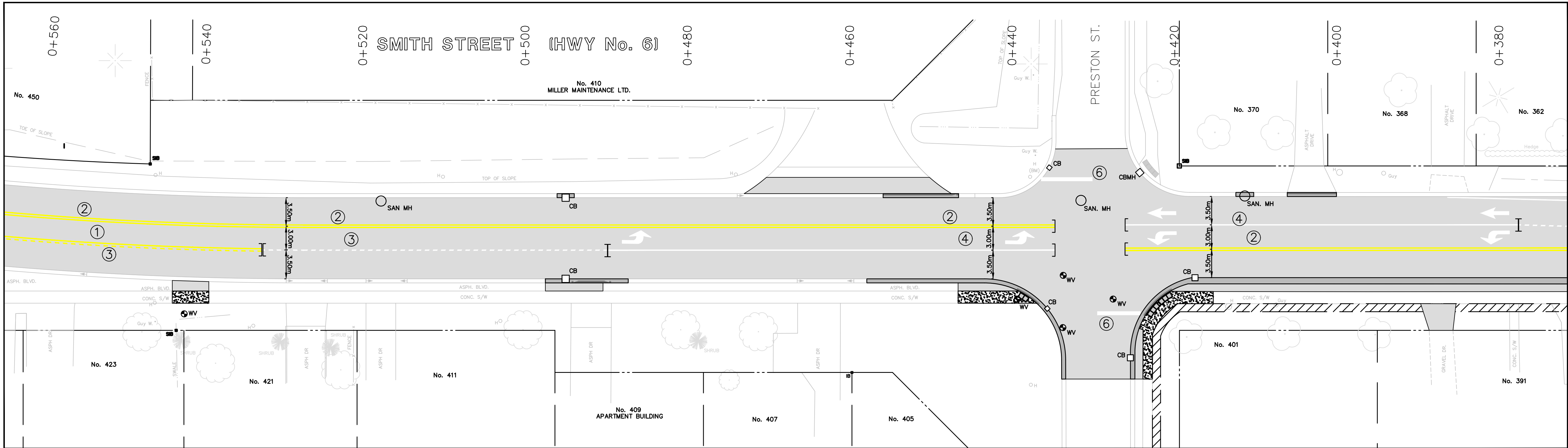


LEGEND – PAVEMENT MARKINGS

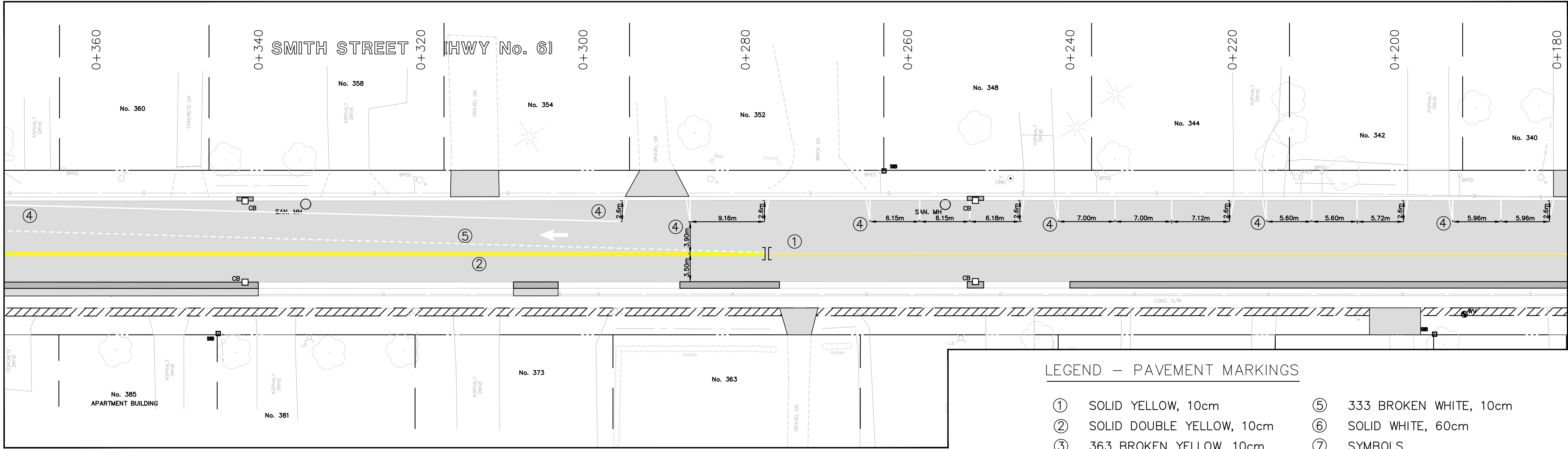
- |                             |                          |
|-----------------------------|--------------------------|
| ① SOLID YELLOW, 10cm        | ⑤ 333 BROKEN WHITE, 10cm |
| ② SOLID DOUBLE YELLOW, 10cm | ⑥ SOLID WHITE, 60cm      |
| ③ 363 BROKEN YELLOW, 10cm   | ⑦ SYMBOLS                |
| ④ SOLID WHITE, 10cm         | ]] LIMITS OF MARKINGS    |

|       |    |      |          |         |  |   |  |  |                               |
|-------|----|------|----------|---------|--|---|--|--|-------------------------------|
| NOTES |    |      |          |         | PAVEMENT MARKING PLAN<br>SMITH STREET, ARTHUR<br>(HWY 6) | TOWNSHIP OF WELLINGTON NORTH<br>74 WOOLWICH STREET<br>GUELPH, ONTARIO N1H 3T9 | CONTRACT No: RFT 2024-007<br>PROJECT No: M5989<br>DRAWN BY: A.S.B.<br>CHECKED BY: L.S.<br>APPROVED BY: P.F.Z.<br>DATE: MARCH, 2024 |  | SCALES<br>1:250<br>HORIZONTAL |
|       |    |      |          |         |  |   |  |  |                               |
|       |    |      |          |         |  |   |  |  |                               |
|       |    |      |          |         |  |   |  |  |                               |
|       | No | DATE | REVISION | INITIAL |  |   |  |  | DRAWING NUMBER<br><b>PM-1</b> |





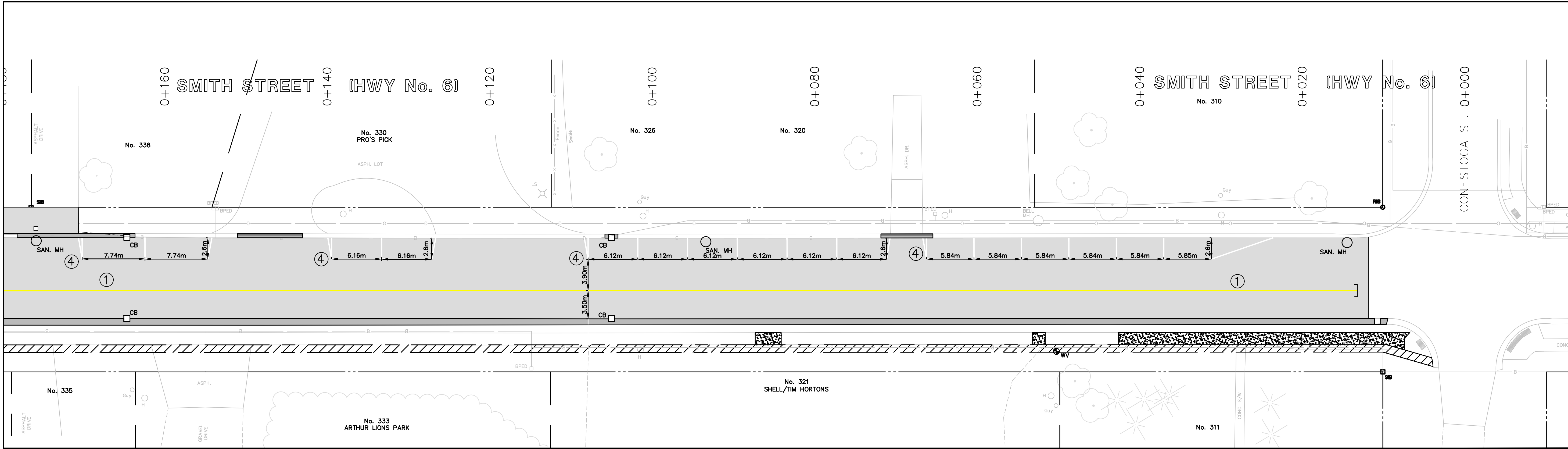
HIGHWAY 6 -SMITH STREET



- LEGEND – PAVEMENT MARKINGS
- |   |                           |    |                        |
|---|---------------------------|----|------------------------|
| ① | SOLID YELLOW, 10cm        | ⑤  | 333 BROKEN WHITE, 10cm |
| ② | SOLID DOUBLE YELLOW, 10cm | ⑥  | SOLID WHITE, 60cm      |
| ③ | 363 BROKEN YELLOW, 10cm   | ⑦  | SYMBOLS                |
| ④ | SOLID WHITE, 10cm         | ][ | LIMITS OF MARKINGS     |

|       |    |      |          |         |  |   |                           |  |                               |
|-------|----|------|----------|---------|--|---|---------------------------|--|-------------------------------|
| NOTES |    |      |          |         | PAVEMENT MARKING PLAN<br>SMITH STREET, ARTHUR<br>(HWY 6) | TOWNSHIP OF WELLINGTON NORTH<br>74 WOOLWICH STREET<br>GUELPH, ONTARIO N1H 3T9 | CONTRACT No: RFT 2024-007 |  | SCALES<br>1:250<br>HORIZONTAL |
|       |    |      |          |         |  |   | PROJECT No: M5989         |  |                               |
|       |    |      |          |         |  |   | DRAWN BY: A.S.B. (seal)   |  |                               |
|       |    |      |          |         |  |   | CHECKED BY: L.S.          |  |                               |
|       |    |      |          |         |  |   | APPROVED BY: P.F.Z.       |  |                               |
|       | No | DATE | REVISION | INITIAL |  |   | DATE: MARCH, 2024         |  | DRAWING NUMBER <b>PM-2</b>    |





HIGHWAY 6 -SMITH STREET

LEGEND – PAVEMENT MARKINGS

- ①

SOLID YELLOW, 10cm
- ②

SOLID DOUBLE YELLOW, 10cm
- ③

363 BROKEN YELLOW, 10cm
- ④

SOLID WHITE, 10cm
- ⑤

333 BROKEN WHITE, 10cm
- ⑥

SOLID WHITE, 60cm
- ⑦

SYMBOLS
- ][

LIMITS OF MARKINGS

NOTES

|    |            |                                |         |
|----|------------|--------------------------------|---------|
|    |            |                                |         |
|    |            |                                |         |
|    |            |                                |         |
|    |            |                                |         |
| 3. | 2024/03/11 | ISSUED FOR TENDER (ADDENDUM 1) | L.S.    |
| 2. | 2024/02/01 | ISSUED FOR TENDER              | L.S.    |
| 1. | JAN. 2024  | PRELIMINARY                    | P.F.Z.  |
| No | DATE       | REVISION                       | INITIAL |

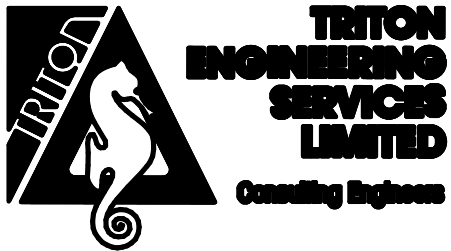


PAVEMENT MARKING PLAN  
SMITH STREET, ARTHUR  
(HWY 6)

TOWNSHIP OF WELLINGTON NORTH  
74 WOOLWICH STREET  
GUELPH, ONTARIO N1H 3T9

PAVEMENT MARKING PLAN

|              |                      |
|--------------|----------------------|
| CONTRACT No: | RFT 2024-007         |
| PROJECT No:  | M5989                |
| DRAWN BY:    | A.S.B.<br>(initials) |
| CHECKED BY:  | L.S.                 |
| APPROVED BY: | P.F.Z.               |
| DATE:        | MARCH, 2024          |



SCALES  
1:250  
HORIZONTAL

DRAWING  
NUMBER **PM-3**