T-MCC-2504

PARRSBORO WATERLINE REPLACEMENT

MUNICIPALITY OF THE COUNTY OF CUMBERLAND

UPPER NAPPAN SERVICE CENTRE

1395 BLAIR LAKE
ROAD UPPER
NAPPAN, NS B4H 3Y4

June 26, 2026

Closing July 10, 2026 at 2:00 pm

Section		No. of Pages
00 20 00	Overview	1 Page
00 21 00	Information to Tenderers	4 Pages
00 41 43	Tender Form	5 Pages
00 53 43	Form of Agreement (For Information Only)	7 Pages
00 74 00	Supplementary Specifications	17 Pages

Tender Drawings

Parrsboro Waterline Replacements, Issued for Tender, dated June 2, 2025.

.1 Sheet 1: Templar Street – Site Layout
.2 Sheet 2: Whitehall Road and Atlantic Avenue – Site Layout
.3 Sheet 3: Construction Notes and Details I
.4 Sheet 4: Construction Notes and Details II

OVERVIEW

This document is a Supplementary Specification to The Standard Specifications for Municipal Services 2024 as published by the Nova Scotia Road Builders Association - Consulting Engineers of Nova Scotia Joint Committee on Contract Documents.

The Municipality of Cumberland has decided to use the Standard Specifications in an effort to regulate their specification practices, simplify the review and approval process, and standardize the specifications written by their consultants.

These project documents have been prepared for use with and require being read in conjunction with The Standard Specifications for Municipal Services as published by the Joint Committee on Contract Documents. Copies of The Standard Specifications are available from the Joint Committee on Contract Documents, 18 Laurier Street, Dartmouth, NS, B3A 2G7; Telephone: (902) 430- 2534, (902) 233-9362 or e-mail at nsmunicipalservices@gmail.com.

*******End of Section 00 20 00*******

Parrsboro Waterline Replacements
Parrsboro, NS

Owner: Municipality of the County of Cumberland
1395 Blair Lake Road
Upper Nappan, Nova Scotia
B4H 3Y4

1. Tender Submission

1.1 Submit completed Tender Form for above project in sealed envelope marked as follows:

Tender # T-MCC-2504
Parrsboro Waterline Replacements

Closing at 2:00 pm, local time, July 10, 2025
and addressed to:

Municipality of the County of Cumberland
1395 Blair Lake Road
Upper Nappan, Nova Scotia
B4H 3Y4

Please include a USB drive with an electronic/PDF copy of any hard copy submissions.

1.2 Alternatively, electronic (e-mail) submissions will only be accepted if all the following criteria are met:

a. The entire bid document is presented and issued in Adobe PDF format;
b. The PDF documents are emailed to Municipality of Cumberland Procurement (procurement@cumberlandcounty.ns.ca) by no later than 2:00 pm Atlantic Standard Time, of the stated closing date;
c. E-mails must contain both of the following:
   i. A subject line which reads:
   Electronic Tender #T-MCC-2504: Parrsboro Waterline Replacements.
   and
   ii. "Read Receipt" must be turned on, which will be acknowledged by staff upon opening of the e-mail submission.

All PDF documents received will remain unopened until 2:15 pm on the stated closing date. At which time, they will be opened by municipal staff along with any hard-copy bids received.

2. Post Tender Submission

2.1 Submit post-tender submission documents no later than two (2) working days after tender closing. Failure to provide such documents may constitute grounds for forfeiture of tender security.

2.2 Safety Certification:
a. Submit copy of tenderer's current and valid accreditation issued by Nova Scotia Workers' Compensation Board or Certificate of Recognition (COR) issued by Construction Safety Nova Scotia.
b. Out of province companies with a current and valid Certificate of Recognition (COR) from a Canadian Federation of Construction Safety Associations recognized safety association shall obtain and submit a Certificate of Recognition from Construction Safety Nova Scotia.

2.3 Workers' Compensation Board Clearance:
a. Submit a copy of Tenderer's current valid clearance letter issued by the Workers' Compensation Board of Nova Scotia.
b. Out of province Tenderers must register with the Nova Scotia Workers' Compensation Board prior to being awarded a Contract.

3. Tender Opening

3.1 Tenders will be opened at 2:15 pm local time on July 10, 2025, after Tender close at the offices of the Municipality of the County of Cumberland, 1395 Blair Lake Road, Upper Nappan. Opening will be public.

4. Document Fee

4.1 No document fee will be applied. Documents will be provided electronically only.

5. Accuracy of Referencing

5.1 Indexing and cross-referencing are for convenience only.

6. Conditions of Tendering

6.1 Take full cognizance of content of all Contract Documents in preparation of Tender. Refer to Section 00 41 43 – Tender Form, Subsection 3.9 for a complete list of Contract Documents.

7. Tenderers to Investigate

7.1 Tenderers will be deemed to have familiarized themselves with existing site and working conditions and all other conditions which may affect performance of the Contract. No plea of ignorance of such conditions as a result of failure to make all necessary examinations will be accepted as a basis for any claims for extra compensation or an extension of time.

8. Clarification and Addenda

8.1 Notify Engineer not less than two (2) working days before tender closing of omissions, errors or ambiguities found in Contract Documents. If Engineer considers that correction, explanation or interpretation is necessary, a written addendum or clarification will be issued. All addenda will form part of Contract Documents.

8.2 Confirm in the Tender Form that all addenda have been received.

8.3 Tenderers are solely responsible to obtain and acknowledge the receipt of addenda at time of tender closing.

9. Preparation of Tender

9.1 Legibly complete tender form provided with the Project Documents. Tender all items and fill in all blanks. Have corrections initialed by person signing Tender.

10. Taxes

10.1 Include all taxes except Harmonized Sales Tax (HST) in tender unit prices.

11. Tender Security

11.1 Provide Tender Security in a minimum amount of ten percent (10%) of Bid Price with Tender in the form of a certified cheque or money order payable to the Owner, a bid bond on CCDC Form 220, or other Owner approved form.

12. Contract Security

12.1 Refer to Section 00 72 45 – General Conditions, subsection GC11.2 – Contract Security for form of contract security. Refer to Project Documents for amount of contract security and alternate type of contract security, if applicable.

13. Insurance

13.1 Refer to Section 00 72 45, General Conditions, subsection GC11.1 – INSURANCE and Section 00 74 00 – SUPPLEMENTARY SPECIFICATIONS, for insurance required.

14. Form of Agreement

14.1 Form of Agreement is attached for information purposes only at time of tender submission.

15. Return of Tender Security

15.1 Tender Security will be returned to:
a. All except the three lowest acceptable Tenderers within seven (7) days of Tender Opening.
b. Two (2) remaining unsuccessful Tenderers within fourteen (14) days of date of Award.
c. Successful Tenderer following receipt by Owner of executed Agreement, specified

Contract Security, and Insurance documents.

16. Amendment or Withdrawal of Tender

16.1 Tenders may be amended or withdrawn by post, facsimile, or email.

16.2 Amendment of individual unit prices is the only acceptable price amendment. Amendments shall not disclose either original or revised total price.

16.3 Head amendment or withdrawal as follows: "[Amendment]/[Withdrawal] of Tender # T-MCC-2504 – Parrsboro Waterline Replacements"; sign as required for Tender and submit at address given for receipt of Tenders. In order to be considered, submissions shall be received prior to time of Tender Closing.

17. Offer, Acceptance, Rejection

17.1 The Owner reserves the right to accept or reject any tender and to cancel the tendering process and reject all tenders at any time prior to the award of Contract without incurring any liability to affected tenderers. Tender submissions will be evaluated based on overall cost, the ability of the tenderers to complete the work in a timely fashion, and feedback from Tenderer's references from previous projects. The bidder with the lowest price will not necessarily be awarded the work.

18. Scope of Work

18.1 The Work described in the Project Documents will be carried out in full or in part subject to available funding.

CONTACT INFORMATION

All questions related to this tender are to be directed to:

Contact: Shelby Hum, Procurement Officer
Email: shelbyhum@cumberlandcounty.ns.ca

********End of Section 00 21 00*******

thanks1. SALUTATION:

.1 To: Municipality of the County of Cumberland
1395 Blair Lake Road
Upper Nappan, NS B4H 3Y4

.2 For: Parrsboro Waterline Replacements
Tender No. T-MCC-2504

.3 From: _____

2. TENDERER DECLARES:

.1 That this tender was made without collusion or fraud.

.2 That the proposed work was carefully examined.

.3 That the Tenderer was familiar with local conditions.

.4 That Contract Documents and Addenda No. ___ to ___ inclusive were carefully examined.

.5 That all the above were taken into consideration in preparation of this Tender.

3. TENDERER AGREES:

.1 To enter into a contract to supply all labour, materials and equipment and to do all work necessary to construct the Work as described and specified herein for the unit prices stated in Subsection 4 hereunder, Schedule of Quantities and Unit Prices.

.2 That the Estimated Contract Price shall be the sum of the products of the tendered unit prices times the estimated quantities in Subsection 4 hereunder.

.3 That this Tender is valid for acceptance for 60 days from Tender Closing.

.4 That measurement and payment for items listed in Subsection 4 hereunder shall be in accordance with corresponding items in Section 01 22 00 Measurement and Payment.

.5 To provide evidence of ability and experience within five (5) working days of request, including: experience in similar work, work currently under contract, senior supervisory staff available for the project, equipment available for use on the Work, and financial resources.

.6 To execute in triplicate the Agreement and forward same together with the specified contract security and insurance documents to the Owner within ten (10) working days of written notice of award.

.7 That failure to provide post-tender submission documents or failure to enter into a formal contract and provide specified insurance documents and contract security within time required will constitute grounds for forfeiture of tender security.

.8 That if tender security is forfeited, Owner will retain difference in money between amount of tender and amount for which Owner legally contracts with another party to perform the Work and will refund balance, if any, to tenderer.

.9 That the Contract Documents include:

.1 Standard Specifications for Municipal Services (Latest Edition)

.2 Nova Scotia Environment Regulations (Latest Edition)

.3 Project Documents

.1 Tender Form, Section 00 41 43
.2 Form of Agreement (for information only), Section 00 53 43
.3 Supplementary Specifications, Section 00 74 00
.4 Drawings:

Parrsboro Waterline Replacement, Issued for Tender, dated June 2, 2025

.1 Sheet 1: Templar Street – Site Layout
.2 Sheet 2: Whitehall Road and Atlantic Avenue – Site Layout
.3 Sheet 3: Construction Notes and Details I
.4 Sheet 4: Construction Notes and Details II

.4 Addenda as issued and as confirmed in subsection 2.4 of this section.

4. SCHEDULE OF QUANTITIES AND UNIT PRICES

Item No.	Description	Unit of Measurement	Estimated Quantity	Unit Price	$ Amount
11.1.1	**Water Main -** 100 mm DI - CL52 (Atlantic Ave.)	m	90		
11.1.2	**Water Main -** 150 mm DI - CL52 (Atlantic Ave.)	m	130		
11.1.3	**Water Main -** 150 mm DI - CL52 (Whitehall Road)	m	145		
11.1.4	**Water Main -** 150 mm DI - CL52 (Templar Street)	m	190		
12.1	**Water –** Fire Hydrant Installation	ea	1		
14.1.1	**Water -** Direct Buried Valves, 150mm dia. GV	ea.	5		
15.1	**Water -** 19mm dia. Type K Cooper incl. Curbstop	ea.	30		
15.2	**Provisional -** Lead Water Lateral Replacement to Building Foundation (including reinstatement)	ea.	5		
16.1.1	**Water -** Connection to Existing Main (Whitehall Road)	ea.	2		
16.1.2	**Water -** Connection to Existing Main (Atlantic Ave.)	ea.	2		
16.1.3	**Water -** Connection to Existing Main (Templar St.)	ea.	2		
16.1.3	**Water -** Connection to Existing Main (Jenks Ave.)	ea.	1		
18.1	**Water -** Temporary Water	l.s.	1		
19.1	**Water -** Water Line Abandonment (Whitehall)	m	145		
72	**Trench Excavation –** Unsuitable Material **(Provisional)**	cu.m.	100		
77	**Traffic Control**	l.s.	1		
90	**Environmental Protection -** Erosion and Sediment Control Plan	l.s.	1		

SUMMARY

Total Tendered Price (Excluding HST)	$
Add HST (15% of Total Tendered Price)	$
Estimated Contract Price	$

Tenderer's HST Registration No. _____

5. COMPLETION TIME

.1 Refer to Supplementary Specifications and the Tender Drawings for general requirements required to complete the work that shall be included in the Tenderer's total price (i.e., disposal of existing services, coordination with utility owners during construction, pavement markings, etc.).

6. COMPLETION TIME

.1 Construction must be substantially completed on October 31, 2025. Should the Contractor fail to meet this deadline, Liquidated Damages shall be applied as per GC 6.5 – Delays (refer to section 00 74 00 – Supplementary Specifications).

7. SIGNATURE*

DATED THIS _____ DAY OF _____ , 2025.

[Seal]

_____
Name of Firm Tendering

_____ _____
Witness Signature of Signing Officer

_____
Name and Title (printed)

Witness

Signature of Signing Officer

Name and Title (printed)

Company Address

Telephone No.

Fax No.

*NOTE: Tenders submitted by or on behalf of any Corporation must be signed and sealed in the name of such Corporation by a duly authorized officer or agent.

*******End of Section 00 41 43*******

This Agreement made on the _____ day of _____ in the year 2025.

BY AND BETWEEN

Municipality of the County of Cumberland

hereinafter called the "Owner"

and

_____

_____

hereinafter called the "Contractor"

The Owner and the Contractor agree as follows:

ARTICLE A1 – THE WORK

The Contractor shall:

.1 Perform the Work required by the Contract Documents for

Parrsboro Waterline Replacements

located within the Municipality of Cumberland

for which the Agreement has been signed by the parties, and for which

WSP Canada Inc.

is acting as and is hereinafter called the "Engineer"

and

.2 do and fulfill everything indicated by this Agreement, and

.3 commence the work by the _____ day of _____ in the year _____and attain Substantial Performance of the work as certified by the Engineer by the ___ day of ____ in the year ____.

ARTICLE A2 – AGREEMENTS AND AMENDMENTS

The Contract supersedes all prior negotiations, representations or agreements, either written or oral, relating in any manner to the work, including the bidding documents that are not expressly listed in Article A3 of the Agreement.

The Contractor also agrees to the following provisions:

.1 The Contractor will keep proper and accurate financial accounts and records, including but not limited to its contracts, invoices, statements, receipts, and vouchers, in respect of each Project it participates in for at least six (6) years after the Agreement End Date and that Canada and the Province has the contractual right to audit such accounts and records;

.2 All applicable labour, environmental, and human rights legislation is respected;

.3 The Province, Canada, the Auditor General of Canada, and their designated representatives, to the extent permitted by law, will at all times be permitted to inspect the terms and conditions of a Contract and any records and accounts respecting each Project and will have free access to each Project site and to any documentation relevant for the purpose of audit; and,

.4 The Contractor shall be solely responsible for and shall save harmless and indemnify Canada, the Province and their Ministers, officers, employees and agents from and against all claims, liabilities and demands of any kind with respect to any injury to persons (including, without limitation, death), damage to or loss or destruction of property, economic loss or infringement of rights caused by or arising directly or indirectly from (i) the Project; (ii) the performance of the contract or the breach of any term or condition of the contract by the Contractor or its officers, employees or agents. (iii) the on-going operation, maintenance and contract or the breach of any term of condition of the contract by the Contractor or its officers, employees or agents; and/or (iv) any omission or any willful or negligent act of the Contractor or its officers, employees or agents.

ARTICLE A3 – CONTRACT DOCUMENTS

The following is an exact list of the Contract Documents referred to in subsection A1.1 of this Agreement and as defined in subsection 6 of Section 00 71 00 DEFINITIONS. This list is subject to subsequent amendments in accordance with the provisions of the Contract Documents.

.1 Standard Specifications for Municipal Services listed in Table of Contents Page, latest addition.

.2 Nova Scotia Transportation and Infrastructure Renewal Standard Specification Highway Construction and Maintenance, Standard Drawings, latest revision.

.3 Project Documents
- .1 Tender Form, Section 00 41 43
- .2 Supplementary Tender Information Section 00 43 00
- .2 Form of Agreement (for information only), Section 00 53 43
- .3 Supplementary Specifications, Section 00 74 00
- .4 Drawings

Parrsboro Waterline Replacements, Issued for Tender, dated June 2, 2025.

- .1 Sheet 1: Templar Street – Site Layout
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.5 Addenda

ARTICLE A4 – CONTRACT PRICE

.1 The Estimated Contract Price is the sum of the products of the estimated quantities multiplied by the appropriate Unit Prices in the Tender Form plus the amount of Harmonized Sales Tax.

.2 The Estimated Contract Price is $ _____

.3 The amounts shall be in Canadian funds.

.4 Contractor agrees to complete the Work by **Oct. 31, 2025**.

.5 The amount shall be subject to adjustment as provided in the Contract Documents.

.6 The Contract Price shall be the sum of the products of the actual final quantities that are incorporated in, or made necessary by the Work, as confirmed by count and measurement, multiplied by the appropriate Unit Prices from the Tender Form together with any adjustments that are made in accordance with the provisions of the Contract Documents plus the amount of Harmonized Sales Tax.

ARTICLE A5 – PAYMENT

.1 The Owner shall pay the Contractor in Canadian funds for the performance of the Contract.

.2 The Owner shall make monthly payments on account to the Contractor for the Work performed, as certified by the Engineer, subject to a 10% holdback.

.3 The amount of the monthly payments shall be calculated as follows:

.1 The quantity for each pay item on which actual work has been performed shall be measured.

.2 For each Unit Price item this quantity shall be multiplied by the applicable Unit Price as provided in the Tender Form.

.3 For each lump sum item, multiply the percent complete by the value of the lump sum item.

.4 The total value of work completed for the payment period shall be calculated by adding the total of the products for all pay items from subsection 3.2 and 3.3 of this Article.

.5 The amount of the monthly payment shall be determined by deducting the 10% holdback and the total of all previous payments from the total value of such completed work as determined under subsection 3.4 of this Article.

.6 To the amount calculated above, the Harmonized Tax will be added.

.4 The last day of the payment period shall be the last calendar day of the month.

.5 Upon Substantial Performance of the Work as certified by the Engineer the Owner shall pay to the Contractor the holdback monies then due in accordance with the provisions of Section 00 72 45 – General Conditions, subsection GC5.8 – PAYMENT OF HOLDBACK UPON SUBSTANTIAL PERFORMANCE OF THE WORK.

.6 Upon the issuance of the final certificate for payment, the Owner shall pay to the Contractor the balance of monies then due in accordance with the provision of Section 00 72 45 – General Conditions, subsection GC5.10 – FINAL PAYMENT, subject to the provisions of GC5.8 – PAYMENT OF HOLDBACK UPON SUBSTANTIAL PERFORMANCE OF THE WORK.

.7 In the event of loss or damage occurring where payment becomes due under the property and boiler insurance policies, payment shall be made to the Contractor in accordance with the provisions of Section 00 72 45 – General Conditions, subsection GC11.1 INSURANCE.

.8 If the Owner fails to make payments to the Contractor as they become due under the terms of the Contract, interest shall be payable as follows:

.1 The annual interest rate applicable to the contract is **Prime + 2%** compounded semi-annually.

.2 Interest shall be calculated on the overdue balance from the due date.

ARTICLE A6 – RECEIPT OF AND ADDRESSES FOR NOTICES

.1 Notices in writing will be addressed to the recipient at the address set out below.

.2 The delivery of a Notice in Writing will be by hand, by courier, by prepaid first-class mail, or by facsimile or other form of electronic communication during the transmission of which no indication of failure of receipt is communicated to the sender.

.3 A Notice in Writing delivered by one party in accordance with this Contract will be deemed to have been received by the other party on the date of delivery if delivered by hand or courier, or if sent by mail it shall be deemed to have been received five (5) working days after the date on which it was mailed.

.4 A Notice in Writing sent by hard copy or in a form of electronic communication shall be deemed to have been received on the date of its transmission provided that such day is a Working Day or if it is received after the end of normal business hours on the date of its transmission at the place of receipt, then it shall be deemed to have been received at the opening of business at the place of receipt on the first Working Day next following the transmission thereof.

.5 An address for a party may be changed by Notice in Writing setting out the new address delivered to the other party in accordance with this Article.

.1 The Owner at Municipality of the County of Cumberland,
1395 Blair Lake Road, Upper Nappan, NS B4H 3Y4

.2 The Contractor at _____

_____

.3 The Engineer at 1 Spectacle Lake Drive
Dartmouth, Nova Scotia, B3B 1X7

ARTICLE A7 – QUANTITIES AND MEASUREMENT

.1 The quantities shown in Section 00 41 43 Tender Form - Schedule of Quantities and Unit Prices are estimated.

.2 Measurement for the actual quantities used to determine payments and Contract Price shall be in accordance with Section 01 22 00 – Measurement and Payment.

ARTICLE A8 – SUCCESSION

The aforesaid Contract Documents are to be read into and form part of the Agreement and the whole shall constitute the Contract between the parties and subject to law and the provisions of the Contract Documents shall inure to the benefit of and be binding upon the parties hereto, their respective heirs, legal representatives, successors and assigns.

ARTICLE A9 – RIGHTS AND REMEDIES

No action or failure to act by the Owner, Engineer, or Contractor shall constitute a waiver of any right or duty afforded any of them under the Contract, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach thereunder, except as may be specifically agreed in writing.

ARTICLE A10 – TIME

Time shall be construed as being of the essence of the Contract.

In witness whereof the parties hereto have executed this Agreement and by the hands of their duly authorized representatives.

SIGNED AND DELIVERED
in the presence of:

OWNER

_____
Municipality of the County of Cumberland

WITNESS

_____
Signature

_____
Name and Title of Person Signing

_____
Signature

_____
Name and Title of Person Signing

_____
Signature

_____
Name and Title of Person Signing

CONTRACTOR

Name of Contractor

WITNESS

Signature

Name and Title of Person Signing

Signature

Signature

Name and Title of Person Signing

Name and Title of Person Signing

(Where legal jurisdiction, local practice or Owner or Contractor requirements calls for (a) proof of authority to execute this document, attach such proof of authority in the form of a certified copy of a resolution naming the representative(s) authorized to sign the Agreement for and on behalf of the corporation or partnership; or (b) the affixing of a corporate seal, this Agreement should be properly sealed.)

*****End of Section 00 53 43*****

INTENT

.1 Construct the Work of this Contract in accordance with the latest edition of the Standard Specifications for Municipal Services as developed by the Nova Scotia Road Builders Association and the Consulting Engineers of Nova Scotia Joint Committee on Contract Documents, except as modified herein.

.2 These Supplementary Specifications modify the specification sections to which they refer.

.3 These Supplementary Specifications take precedence over the specification to which they refer.

Delete Sections 00 21 00, Section 00 41 43 and Section 00 53 43 and replace with the sections included in the tender.

SECTION 00 71 00 – DEFINITIONS

Add new definitions as follows:

31. SPECIALIST CONTRACTOR

.1 Specialist Contractor means a firm or person with whom the Owner has or will enter into a Contract or has placed or will place a purchase order for items or plant and equipment for incorporation in the Work.

32. PROVISIONAL ITEM

.1 The Provisional Items are for work that may be required in the execution of the Contract but are not anticipated at the tendering stage. Provisional items, if applicable, are listed in Subsection 4 – Schedule of Quantities and Unit Prices – Tender Form. Provisional items shall mean that the unit price as tendered shall be included in the estimated contract price, and that the owner reserves the right to delete all or portions of the item from the estimated contract price.

SECTION 00 73 00 – Supplementary General Conditions

Delete Section 1. and replace with the following:

1. PROJECT DOCUMENTS

.1 Project Documents are those documents prepared to supplement the Standard Specifications for the Work on

a specific Project. Where applicable, they consist of the Information for Tenderers, Tender Form, , Form of Agreement, Supplementary Specifications, drawings and addenda.

SECTION 00 72 45 – GENERAL CONDITIONS

*****Where the term "Consultant" is used throughout the General Conditions, revise to read "Engineer"*****

GC 5.4 BASIS OF PAYMENT FOR COST PLUS WORK

Add the following section as GC 5.4.7:

5.4.7 The fee for Contractor's overhead and profit shall be 10% of the cost of the work

Add the following section as GC 5.4.8:

5.4.8 BASIS OF PAYMENT FOR OTHER THAN COST PLUS WORK

.1 Clause GC 5.4.7 does not preclude the option of the Contract Administrator and the Contractor negotiating a Lump Sum Item of unit price payment for the Change in the Work, Extra Work, and Additional Work.

.2 When the method of payment has been negotiated to be Lump Sum for a Change in the Work, Extra Work, or Additional Work the following mark-ups shall be used.

.1 Where the Contractor has received approval from the Owner prior to the commencement of the Work, the Owner shall pay the Contractor the approved lump sum cost, plus a 10% mark-up to the Contractor for all, but not limited to, administration, supervision, bonding premiums, record documentation, overheads, profits, and all other incidental costs.

.2 Where the Contractor arranges for the Work to be carried out by a Subcontractor, working directly under the Contractor, the Owner, through the Contractor, will provide the primary Subcontractor, an additional 10% mark-up on work paid for on a lump sum basis.

.3 Where the primary Subcontractor arranges for the Work to be carried out by another Subcontractor, working under the primary Subcontractor, the Owner, through the Contractor, will provide for an additional 5% mark-up to each subsequent Subcontractor, working under the primary Subcontractor for work paid for on a lump sum basis.

.4 All mark-ups shall be applied to the original lump sum value, before any mark-ups have been applied. The maximum total mark-up for any Change Order or Change Directive shall not exceed an aggregate total of 35%, subject to the following limitation: clause (a) above may be applied only once, clause (b) above may be applied only once, and clause (c) above may be applied multiple times if applicable.

GC 5.8 – PAYMENT OF HOLDBACK UPON SUBSTANTIAL PERFORMANCE OF THE WORK

Delete Subsection GC 5.8.4 and replace with the following:

5.8.4.1 Within sixty (60) days after the issue by the Engineer of the Certificate of Substantial Performance of the Works, provided that the Contractor has by then signed the Final Measure, and has provided the Engineer with the following documents:

.1 A statutory declaration to the effect that all expenses incurred by him in carrying out the Contract have been paid and releasing the Owner from any and all further claims relating to the Contract.

.2 A certificate from a barrister stating that there are no Mechanics Liens filed relating to the Contract Works.

.3 A clearance certificate from the Worker's Compensation Board.

Then the Owner shall release to the Contractor one hundred percent (100%) of the Holdback. If, however, the Final Measure is not signed within the sixty (60) days following the issue of the Certificate of Substantial Performance or if the Contractor has failed to provide the required documents as listed above, then the Owner shall release one hundred percent (100%) of the Holdback within two (2) weeks following the date on which the Contractor meets these requirements.

GC 5.10 – FINAL PAYMENT

Delete Subsection GC 5.10.4 and replace with the following:

5.10.4 Subject to provisions of paragraph 10.4.1 of GC 10.4 – WORKERS' COMPENSATION, and any lien legislation applicable to the Place of the Work, the Owner shall, no later than 15 calendar days after the issuance of a final certificate for payment, pay the Contractor as provided in Article A-5 of the Agreement – Payment.

GC 6.2 – CHANGE ORDER

Add the following Subsection to GC 6.2 – CHANGE ORDERS.

6.2.4 After the Owner and Contractor have agreed to the value, additional time (if any) and the revised date of completion (if any) of a change order, no further application for reimbursement by the Contractor shall be made.

GC 6.5 – DELAYS

Add the following Subsection to GC 6.5 – DELAYS.

6.5.6 Notwithstanding the above subsections, time shall be construed as being of the essence for the Contract. The date of expiring of the time allowed in accordance with the Contract for substantial performance of the Work shall be termed the Date for Completion. Should the Contractor fail to substantially perform the Work by the Date of Completion, the period of time from the Date for Completion to the date of Substantial Performance of the Work as determined by the Engineer, shall be termed the Period of Delay.

GC 10.1 – TAXES AND DUTIES

Add the following Subsection to GC 10.1 – TAXES AND DUTIES

10.1.3 The contractor will indicate on each application for payment, as a separate amount, the appropriate Harmonized Sales Tax the Owner is legally obliged to pay. This amount will be paid to the Contractor in addition to the amount certified for payment under the Contract.

GC 11.2 – CONTRACT SECURITY

Delete Subsection GC 11.2 CONTRACT SECURITY and replace with the following:

.1 The Contractor shall provide to the Owner within fourteen (14) days of acceptance of his Tender a Performance Bond and a Labour and Material Payment Bond each in the amount of 50% of the Estimated Contract Price, or alternatively, provide an unconditional irrevocable letter of credit for 100% of the Estimated Contract Price.

.2 The bonds shall be issued by a duly licensed surety company authorized to transact a business of suretyship in the Province of Nova Scotia and shall be maintained in good standing until the fulfillment of the Contract. The form of the bonds shall be in accordance with the latest edition of the CCDC approved bond forms.

.3 The letter of credit shall be issued by a chartered Canadian Bank and shall be valid until the conditions of GC 5.8.4.1 are fulfilled.

GC 12.3 – WARRANTY

Add the following to Subsection GC 12.3 WARRANTY:

12.3.7 The Contract requires an operational combination of several components comprising the Work which are customarily guaranteed by their suppliers. Under the terms of this Contract, the Contractor shall provide a guarantee for the Works for a period of one (1) year following the date of continuous operation. The terms of the guarantee shall be as follows:

.1 Where failure or incipient failure of the material is apparent, the Contractor shall actively commence repair or other remedy not more than twenty-four (24) hours after receiving due notice of trouble.

.2 If the Contractor on being notified does not for any reason commence repairs within twenty-four (24) hours, the Owner shall have the right to have repairs made by others as necessary to restore or continue service. The cost of such repairs by others is to be borne by the Contractor. The Owner shall at all times inform or attempt to inform the Contractor before hiring others to effect any repairs and it shall be at all times the Contractor's right to be informed as soon as possible of difficulties and proposed remedial action by others and to make or where practical to complete such repairs at any other time of the guarantee period in preference to others.

.3 The employment of some other person or persons for reasons set out shall in no wise affect the Contractor's obligations or liability hereunder or relieve him of the performance and fulfillment of any or all of his covenants, undertakings, obligations, or duties under the Contract.

.4 In the event of damage, failure or incipient failure of any part or parts directly attributable to inadequate or improper maintenance, the Contractor shall be responsible for remedial action but the cost of all such repairs will be reimbursed by the Owner.

.5 If the Contractor arranges that the manufacturer of some component or some other party approved by the Engineer provide the guarantee on a sub-contract basis, he may designate the direct implementer of the guarantee as his agent under the Contract in which case due notice to the agent will be taken as due notice to the Contractor. This will be a matter for Contractor's convenience only, and shall in no wise affect the Contractor's obligations and liabilities hereunder or relieve him from

the performance and fulfillment of any or all of his covenants, undertakings, or duties under this Contract.

.6 In emergency situations, as determined by the Owner, the Owner reserves the right to make appropriate repairs at the Contractor's expense.

After Section 12, add the following new Section:

GC 13 – RIGHTS-OF-WAY AND EASEMENTS

13.1.1 The acquisition or obtaining of easements in respect of the lands comprising the Site will be affected by the Owner. If the Contractor deems it advisable to acquire the right or rights to use, enjoy or occupy any additional or adjacent land or lands in order to facilitate the execution of the Work, he shall obtain such right or rights at his own expense and shall, at all times, indemnify and save harmless the Owner from any and all claims arising from the acquisition of such right or rights or the use, enjoyment or occupancy of such lands or land.

SECTION 01 10 00 – GENERAL REQUIREMENTS

Delete Subsection 2 – SUMMARY OF WORK and replace with the following:

2. SUMMARY OF WORK

.1 The proposed waterline replacements include the removal and replacement of existing mains on Atlantic Avenue, Whitehall Road and Templar Street. Work includes road reinstatement, lateral replacements, removal and/or abandonment of existing pipes and all connections as detailed in the contract drawings.

.2 The Work to be performed under this Contract generally entails:

.1 Negotiations and coordination with the power utility for their services and obtaining all necessary permits

.2 Supply and installation of water distribution piping, valves, chambers, and service lateral connections to existing infrastructure complete with all testing as per the Standard Specifications for Municipal Services.

.3 Coordination with the Owner regarding connection procedures and methods associated with connecting the new distribution piping to the existing systems.

.4 The supply, placement, and compaction of granular base and pipe bedding, and selected excavated material for backfill of all piping and associated infrastructure.

.5 All mass excavation of embankment common, import of borrow and mass excavation and embankment and removal of unsuitable material which might be encountered for the construction of the indicated water distribution system.

.6 The supply, installation and maintenance of all environmental protection measures required for work on this project. Including but not limited to dust control on the roads and areas affected by the proposed work.

.7 Collection of record information as specified herein and as directed by the Owner or Engineer.

.8 Commissioning, testing, and certification of all the Works including but not limited to pressure testing, flushing, pipe video, exfiltration testing, chlorination, disinfection repair of leaks and re-instatement.

.9 Once substantial performance has been issued, Contractor to complete all deficiencies within 14 calendar days of the Contractor being made aware of the deficiency by the Owner or Engineer. If the Contractor does not repair the deficiency with the 14 calendar day period, the Owner has the right to have outside forces complete the work and deduct the value of this work from the Contract Price.

.10 All related work, including traffic controls and incidentals associated with the above, obtaining street opening permits and bonding for connection to existing services.

Add the following Subsections to 3:

3. SCHEDULING AND COORDINATION

.5 The Contractor is to ensure that all required inspections by various approval authorities are performed and that

documentation of these inspections is provided to the Engineer.

Add the following Subsections to 7.1:

7.1 SHOP DRAWINGS

.8 This review will not mean that the Engineer approves the detailed design inherent in the shop drawings. Responsibility remains with the Contractor, and such review does not relieve the Contractor from his responsibility for meeting all requirements of the Contract Documents.

.9 If pre-ordered materials and equipment purchased and supplied by Owner form part of the Work, the Contractor is to make his own arrangements with suppliers for the provision of shop drawings and be responsible for obtaining further information required to facilitate and ensure correct installation of materials and equipment.

Delete Subsection 8 and replace with the following:

8. RECORD DRAWINGS

.1 The Owner or Engineer may direct the Contractor to capture the measurements of other affected infrastructure or features as required.

.2 In addition to Clause 8.1 above, maintain one separate set of drawings on site. These drawings shall be reserved exclusively as record drawings. Have these drawings marked up daily to record any alterations made during construction to the contract drawings. Transmit these drawings to the Engineer at Substantial Completion. The submission of an acceptable set of record drawings to the Engineer is a condition of issuance of Substantial Performances. The contractor will be supplied with a separate set of drawings specifically for the purpose of keeping records.

Add the following to Subsection 9 - QUALITY CONTROL:

9. QUALITY CONTROL

.1 Provide assistance, labour, and materials, as are normally required for examining, testing, and measuring the quality, weight, or quantity of any material used and supply samples of material requested before incorporation into the Work.

.2 Include in Contract Price the costs for providing assistance and samples for testing and for arranging tests.

.3 Provide the Engineer with assistance for tests and inspections.

Add the following to Subsection 12 – TRAFFIC CONTROL:

12. TRAFFIC CONTROL

.1 Maintain access to all adjacent properties.

.2 The Contractor shall be responsible for the determination and placement of all appropriate signage and for the management of safety on the site.

.3 A Construction Management Plan, including traffic control plans shall be submitted to the Owner for approval prior to commencement of the work. A traffic control plan that does not include all of the required elements listed below will be found incomplete, and returned for revision and re-submittal. Proposed street closures will require approval from the Owner and the Engineer.

.1 Traffic control plan shall indicate construction methods allowing work within rights-of-way to be completed efficiently and effectively, while maintaining a safe and organized movement of vehicles and pedestrians around and through temporary workplaces and, as well, to protect workers from errant vehicles. Traffic control plans to include details for controlling traffic at any signalized intersections and proposed lengths and estimated duration of each diversion. Traffic control plans to

also indicate how vehicular access will be maintained for residents of the affected streets during construction.

.4 Provide and maintain signs, delineators, barricades, and miscellaneous warning devices to indicate construction activities or other temporary or unusual conditions.

.5 The following traffic related items must also be addressed in the Traffic Control Plan:

.1 Planned traffic diversions/lane closures will require advanced notifications as part of Public Service Announcements.

.2 Block by block street closures will be required during construction. Closure of more than one block at a time will not be accepted. During a closure, the Contractor must maintain access for local traffic.

.3 During street closures, the Construction Management Plan must include a proposed plan to ensure resident and business garbage pickups and business deliveries are not impeded.

.4 Coordinated closures may be considered for adjacent neighborhood streets if adequate justification can be provided as part of the Construction Management Plan.

.5 The contractor shall provide a temporary detour plan for each road closure, subject to approval in advance by the Owner. Signage regarding diversions will be required at key area intersections.

.6 Maintain access to all adjacent properties

.7 All costs associated with traffic and pedestrian management, permitting and advertising will be borne by the Contractor.

Add the following Subsections:

17. PHOTOGRAPHS

.1 Prior to commencement of the Works, the Engineer may arrange for photographs to be taken of the site and those properties adjacent to the site.

.2 Accompany Engineer during the taking of photographs and document any comments on the conditions of the site or adjacent properties.

.3 Engineer will retain photographs, together with a written report, on the condition of existing roads, sidewalks, trees, lawns, and adjacent properties as determined by mutual agreement as a record of existing conditions prior to the start of Work.

18. NOISE

.1 Operate construction equipment, such that there is a minimum amount of noise and vibration.

19. FLOATATION AND FLOODING

.1 Prevent floatation and flooding during construction of the Work. Make good any damage to pipes or structures caused by floatation and flooding at no extra cost to the Contract.

.2 De-water all excavations and remove accumulations of water prior to backfilling.

.3 Dispose of water drained or pumped in a manner acceptable to the Owner such that the Work and adjacent properties are not damaged.

20. UTILITIES

.1 Do not operate valves, electrical and telephone controls on existing utility systems.

.2 Apply to the utility having jurisdiction for permission to operate such systems if it becomes necessary, and only operate such systems in accordance with, and in the presence of a representative of the utility company affected.

.3 Include an amount in the contract price to cover the cost of having a utility company representative present when the Work passes under or in close proximity to underground cables, structures or utility poles.

.4 Provide, prior to substantial completion, a letter from the utility affected stating that any services damaged during construction have been repaired to the utility company's approval.

.5 Obtain Nova Scotia Power Services Safe Clearance report prior to commencement of construction.

21. DAMAGE AND INJURY

.1 Protect the Work and adjacent property from damage and injury in accordance with Section 00 72 45, General Conditions, Part 9 – GC 9.1 PROTECTION OF WORK AND PROPERTY.

.2 Immediately inform Engineer of any damage or injury to any persons, property, services or materials.

.3 Relocate survey markers, monuments, and survey pins disturbed during construction under the direction of a qualified provincial land surveyor. Include costs in Contract Price.

22. DUST CONTROL

.1 Provide Dust Control within the project area and any and all access points to the project area as necessary or as directed by the Owners and/or Engineers site representative.

SECTION 01 22 00 – MEASUREMENT AND PAYMENT

General

Delete subsection .2 and replace with the following:

.2 For each item include in the pay item all of the following as required where individual quantities are not provided in the Tender Form: environmental protection and controls, traffic control, dust control, protection of existing trees, mobilization, costs of surety, assistance to the Engineer, clearing and grubbing, common excavation, supply and placement of imported materials, removal or abandonment of existing infrastructure and re-instatement as indicated, shoring, control of water and dewatering, bedding, backfilling, compaction, disposal of surplus common, disposal of unsuitable material and replacement with suitable imported material, reinstatement, marker stakes, marker tape, joint restraints and thrust blocks, thrust anchors, tracer wire, insulation, record drawing data collection activities, closed circuit television inspection, re-instatement of damaged sanitary laterals, installation of watermain sleeves complete with water tight ends, re-instatement of damaged culverts, re-instatement of damaged water laterals, re-instatement of damaged sanitary laterals and all reinstatement of surface features to original or better conditions and all incidentals.

Add the following:

.6 The Contractor is responsible to obtain and include in the individual quantities, the cost of all necessary permits and inspections required to perform the Work.

.7 Where required, each item to include all items necessary to maintain traffic control as per the Nova Scotia Temporary Workplace Traffic Control Manual, Current Edition and all other applicable local specifications.

.8 The unit and lump sum prices for all items in the form of tender “Schedule of Quantities and Unit Prices” shall be full compensation for the work of the Item and shall include the cost of furnishing all materials, labor, tools, and equipment necessary to complete the work in accordance with the Contract, the Drawings and Specifications, and shall cover all cost of surety, mobilization, assistance to the engineer and site offices. Each item shall include for all necessary supervision, labor, tools and equipment, materials, plant and services, Quality assurance and all operations and allowances customary and necessary to complete each item and the Contract as a whole notwithstanding the fact that not every such necessary operation is mentioned or included specifically for measurement.

.9 Payment to the contractor will be based on actual quantities for the work completed in accordance with the drawings and specifications.

.10 Where required, each item to include all items necessary for all work that affects removal, securing and reinstatement of utility poles, street lights, guard rail including coordination with infrastructure owner.

Water Main System

Delete Subsection 11 and replace with the following:

11 Pipe

.1 Pipe

Unit of Measurement: metre (m)

Method of Measurement: along center line of pipe through fittings and valves

This item includes: supply and placement of pipe complete with all fittings, insulation, testing, removal and disposal of existing infrastructure, sleeving, relocation of existing infrastructure as required, end caps. Includes backfilling, reinstatement, and all incidentals required to complete the work and as indicated on the Drawings.

Delete Subsection 12 and replace with the following:

12. Fire Hydrants

.1 Installation of Fire Hydrant

Unit of Measurement: each (ea.)

This item includes: hydrant complete with lead(s) as indicated, polyethylene encasement, anchor tee, valve and valve box, anodes, thrust blocks, reinstatement and stabilization of area around hydrant, permanent reflective marker, painting of hydrant, excavation, backfilling up to and including Type 2 gravels. Hydrants types as indicated on drawings.

Includes removal of existing hydrant to be returned to Owner.

Delete Subsection 14 and replace with the following:

14. Direct Buried valves

Unit of Measurement: each (ea.)

This item includes: supply and install direct buried valve complete with valve box, appurtenances, mechanical thrust restraints, anodes (Zinc 24-48), thrust blocks, jumper wires, wire bond straps

Delete Subsection 15 and replace with the following:

15. Water Services

.1 Reconnect Existing Water Services

Unit of Measurement: each (ea.)

This item includes: saddle as required, tapping, corporation stop, curb stop, service pipe, couplings, zinc anode. For large services, greater than 50mm diameter this item shall include tee, valve, and fittings. Includes backfilling up to top of sub-grade elevation, coordination with homeowner, all incidentals and reinstatement as required to complete the work and as indicated on the Drawings. One coupling will be permitted to connect to existing lateral.

.2 Replace Existing Water Service (Lead Service) – Private (PROVISIONAL)

Unit of Measurement: each (ea.)

This item includes: supply and installation of service pipe (to any length) and fittings from the curb stop to the building foundation, removal and disposal of existing lead pipe within or partially within theoretical trench, saddle as required, tapping, corporation stop, curb stop, tee, gate valve as required, service box (c/w finish grade adjustment), anode, rigid insulation as required, coordination with homeowner, excavation, all incidentals and reinstatement as required to complete the work and as indicated on the Drawings. In paved areas, includes backfilling up to and including Type 2 gravels and reinstatement of disturbed surfaces to project standards (where not covered by separate pay items as part of the planned street recapitalization work). In areas outside of the paved roadway, item includes reinstatement to existing surface conditions or better. For large services, greater than 50mm diameter, this item shall include fittings and couplings.

Item includes solution for working around existing trees or infrastructure (such as hydro excavation, directional drilling, pipe bursting, etc.). Lateral locations shown on the drawings are approximate in nature and are to be reviewed and confirmed in the field during construction. Installation either open trench or directional drill. If directional drilling, this item also includes access pits and directional drilling.

Note: this item does not cover repair or replacement of services damaged during construction, which shall be at the expense of the contractor.

16. Connection to Existing Mains

.1 Water Main

Unit of Measurement: Lump Sum (LS)

This item includes: locating existing mains, cutting and removal of pipe section, removal and disposal of existing piping, supply and installation of all pipe as indicated, nipples, couplings, reducers, bends, fittings, gaskets, caps, cathodic protection, mechanical thrust restraint, thrust blocks/anchors, testing and commissioning, and all incidentals to make all necessary connections to existing pipe(s), along with all reinstatement

Delete Subsection 18 and replace with the following:

18. Temporary Water

Unit of Measurement: Lump Sum (LS)

This item includes: but is not limited to, the supply of all labour, material and equipment required for installing, maintaining and removing temporary main line (min 50mm) and service laterals complete with valves, pipe, backflow prevention device, meter (supplied by Owner), temporary pressure reducing valves (to match temporary main size), vacuum breakers at the connection to homes, road cuts and temporary asphalt if required, testing and disinfection, and reinstatement as required. All pipes must be disinfected to contract documents. Coordinate connection to homes with homeowners. Limits of temporary water service may extend outside the limits of construction. Larger temporary lines may be required to ensure that an adequate supply of water is provided to all customers. Submit a proposed plan 2 weeks prior to installation for review by Owner. This item also includes installation of approved vehicle and pedestrian crossing protective measures, frost protection as required, producing and distributing notice to customers that will be placed on temporary water and/or affected by shutdowns to facilitate temporary connections to the main.

Delete Subsection 19 and replace with the following:

19. Water Line Abandonment

Unit of Measurement: metre (m)

This item includes: locating existing watermain, abandonment of pipe in place complete with filling of the pipe with flowable grout and supply and placement of caps at pipe ends such that they are completely full of grout and water tight, common excavation.

Delete Subsection 72 and replace with the following:

72. Trench Excavation – Unsuitable Material (Provisional)

Unit of Measurement: cubic meter (cu.m.)

Method of Measurement: Average end area method based on surveyed measurements in the field.

Dimensions used to calculate end areas shall be theoretical trench width as detailed on the Contract Drawings. No additional volume will be allowed for excavation beyond the theoretical trench width or depth required for the valves, bends, thrust blocks, manholes, structures, etc. Where existing infrastructure is present within the excavation zone, the volume occupied by the existing trench as surveyed in the field will be deducted from the volume calculated.

This item includes: all excavation of unsuitable material over and above cost of common excavation which is included in price for pipe and related items, including disposal. Also includes replacement of required volume with Type 2 gravel or surge rock. Written authorization of Engineer required.

SECTION 33 11 00 – WATER MAIN

Add the following as Subsection 2.7.1.9:

.9 Acceptable Products

.1 Clow Brigadier “M67”
.2 Mueller “Super Centurion 250”

Add the following as Subsection 2.8.3:

.4 Acceptable products:

.1 Clow McAvity F-6100 Resilient Seat Valve
.2 Mueller A2360-23 resilient Wedge Valve

*******End of Supplementary Specifications 00 74 00*******



KEY PLAN:

LEGEND:	PROPOSED	EXISTING
WATER & GV	W GV	W GV
ABANDONED WATER & GV		
STORM PIPE & MANHOLE	STM PLE	STM PLE
UTILITY LINES & POLE	OH HO	OH HO
STREET BOUNDARY		
PROPERTY LINES		STORM LATERAL
CATCH BASIN	ENDCAP	WATER LATERAL
FIRE HYDRANT		CATCH BASIN LEAD
		CULVERT

SEAL:

REGISTERED PROFESSIONAL ENGINEER
DATE 2025/06/02
C. D. FOGARTY
11107
PROVINCE OF NOVA SCOTIA

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
0	2025-06-02	ISSUED FOR TENDER

PROJECT NUMBER: CA0051948.6088	DATE: (YYYY/MM/DD) 2025/06/02
ORIGINAL SCALE: HORIZONTAL: 1:500 VERTICAL: 1:500	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm
DESIGNED BY: A.BARBRICK	DRAWN BY: A.BARBRICK
CHECKED BY: P.GORMAN	APPROVED BY: C.FOGARTY

SCALE: 1:500 METRIC
10 8 6 4 2 0 10 20 30

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Dartmouth, Nova Scotia, Canada B3B 1X7
T 902-835-9955 F 902-835-1645 www.wsp.com

CLIENT: municipality of cumberland

CLIENT REF. #:

PROJECT:
PARRSBORO WATERLINE REPLACEMENT

TITLE:
TEMPLAR STREET

SHEET NUMBER: 1
SHEET #: 1 OF 4

ISSUE: ISSUED FOR TENDER
DATE OF: 2025-06-02
REV #: 0

WSP REF. NO.: ----- \\CORP.PBWAN.NET\CA\CADAR1001\CADARTDATA\PROJECTS\DARTMOUTH\2025\CA0051948.6088-CA - PARRSBORO WATERLINE REPLACEMENT\15-DWG\15.4-CIVIL\15.4.2-PRODUCTION_DWG\PARRSBORO WATERLINE REPLACEMENT_PRODUCTION.DWG BY: CAP0073109 PRINTED: 10:33 AM 2025/06/02 001

XREFS:



KEY PLAN:

LEGEND:	PROPOSED	EXISTING
WATER & GV	W W	EW EW
ABANDONED WATER & GV		
STORM PIPE & MANHOLE	STM PLE	ESTM PLE
UTILITY LINES & POLE	OH HO	EOH HO
STREET BOUNDARY		
PROPERTY LINES		STORM LATERAL
CATCH BASIN / ENDCAP		WATER LATERAL
FIRE HYDRANT		CATCH BASIN LEAD
		CULVERT

SEAL:

REGISTERED PROFESSIONAL ENGINEER
DATE 2025/06/02
C. D. FOGARTY
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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
0	2025-06-02	ISSUED FOR TENDER

PROJECT NUMBER: CA0051948.6088	DATE: (YYYY/MM/DD) 2025/06/02
ORIGINAL SCALE: HORIZONTAL: 1:500 VERTICAL: 1:500	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm
DESIGNED BY: A.BARBRICK	DRAWN BY: A.BARBRICK
CHECKED BY: P.GORMAN	APPROVED BY: C.FOGARTY

SCALE: 1:500 METRIC
10 8 6 4 2 0 10 20 30

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T 902-835-9955 F 902-835-1645 www.wsp.com

CLIENT: municipality of cumberland
CLIENT REF. #:

PROJECT:
PARRSBORO WATERLINE REPLACEMENT

TITLE:
WHITEHALL ROAD
& ATLANTIC AVENUE

SHEET NUMBER: 2
SHEET #: 2 OF 4

ISSUE: ISSUED FOR TENDER
DATE OF: 2025-06-02
REV #: 0

WSP REF. NO.: ---- \\CORP.PBWAN.NET\CA\CADARTOD\CADARTDATA1\PROJECTS\DARTMOUTH\2025\CA0051948.6088-CA - PARRSBORO WATERLINE REPLACEMENT\15-DWG\15.4-CIVIL\15.4.2-PRODUCTION_DWG\PARRSBORO WATERLINE REPLACEMENT.DWG 002 PRINTED: 10:34 AM 2025/06/02 BY: CAPG073109

A CONSTRUCTION NOTES

GENERAL CONSTRUCTION NOTES:

1. ALL WORKS TO BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATION FOR MUNICIPAL SERVICES" PREPARED JOINTLY BY THE NOVA SCOTIA ROAD BUILDERS ASSOCIATION AND THE CONSULTING ENGINEERS OF NOVA SCOTIA, CURRENT EDITION, NOVA SCOTIA TRANSPORTATION AND PUBLIC WORKS STANDARD SPECIFICATION, THE MUNICIPALITY OF CUMBERLAND STANDARDS, AND THE PROJECT SPECIFICATIONS.
2. PERFORM ALL WORKS IN ACCORDANCE WITH REQUIREMENTS OF THE NOVA SCOTIA DEPARTMENT OF ENVIRONMENT.
3. OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORKS. COMPLY WITH ALL PERMIT REQUIREMENTS AND CONDITIONS.
4. VERIFY EXISTING SERVICE LOCATIONS IN FIELD PRIOR TO CONSTRUCTION. DISCREPANCIES TO BE REPORTED IMMEDIATELY TO PROJECT ENGINEER.
5. NOTIFY THE MUNICIPALITY OF CUMBERLAND REGARDING CONSTRUCTION SCHEDULE PRIOR TO COMMENCING CONSTRUCTION.
6. VERIFY EXISTING SERVICE LOCATIONS SUCH AS NATURAL GAS SERVICE (IF APPLICABLE), ALIANT SERVICES, AND NSPI SERVICES. COORDINATION TO BE COMPLETED WITH THE APPROPRIATE UTILITIES PRIOR TO CONSTRUCTION.
7. VERIFY EXISTING GRADES, INCLUDING SURROUNDING GRADES, PRIOR TO LOT GRADING WORK. ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER IMMEDIATELY. MAXIMUM SLOPE FOR LANDSCAPED AREAS 3H:1V.
8. DRAWINGS SUBJECT TO APPROVAL BY MUNICIPALITY OF CUMBERLAND PRIOR TO CONSTRUCTION.
9. GEOTECHNICAL WORKS TO BE CERTIFIED BY PROJECT GEOTECHNICAL ENGINEER.
10. PROTECT NATURAL WATERCOURSES FROM DAMAGE DUE TO SILTATION RUNOFF FROM THE CONSTRUCTION SITE. ACCEPTABLE CONSTRUCTION PROCEDURE MAY BE OBTAINED FROM "EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITES", CURRENT EDITION BY THE NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT. MAKE NECESSARY REPAIRS TO SEDIMENTATION AND EROSION CONTROL DEVICES AS DIRECTED BY DEVELOPERS ON SITE REPRESENTATIVE.
11. DO NOT SUBSTITUTE MATERIALS UNLESS PRIOR WRITTEN APPROVAL IS GIVEN BY THE PROJECT ENGINEER.
12. ALL DISTURBED AREAS NOT STABILIZED BY GRAVEL, CONCRETE OR ASPHALT TO BE SODDED.
13. PERFORM LOT GRADING TO ENSURE RUNOFF IS DIRECTED INTO SWALES OR DISCHARGES AT CURB.

GENERAL SERVICING NOTES:

1. LOCATIONS OF EXISTING UNDERGROUND WATER MAINS, SEWERS, GAS MAINS, ELECTRICAL AND COMMUNICATIONS INFRASTRUCTURE, AND SERVICE CONNECTIONS ARE BASED ON BEST AVAILABLE INFORMATION (RECORD DRAWINGS, GIS RECORDS, VERBAL INFORMATION, ETC.) AND ARE NOT NECESSARILY ACCURATE OR COMPLETE. LOCATIONS ARE APPROXIMATE AND SOME LOCATIONS ARE UNKNOWN. ARRANGE FOR ON-SITE LOCATES WITH ALL UTILITIES AND TO VERIFY EXISTING SERVICE LOCATIONS AND ELEVATIONS IN THE FIELD 2 WEEKS PRIOR TO SCHEDULED CONSTRUCTION IN THE AREA OF THE UNDERGROUND SERVICES IN QUESTION. DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE MUNICIPALITY OF CUMBERLAND. COORDINATION TO BE COMPLETED WITH THE APPROPRIATE UTILITIES (HERTIAGE GAS, NSPI, BELL ALIANT, EASTLINK, ETC.) PRIOR TO CONSTRUCTION.
2. TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE. DAMAGE TO UTILITIES TO BE REPAIRED OR REPLACED IN FULL TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
3. TESTING OF SITE SERVICES TO BE TO DESIGN SPECIFICATIONS.
4. ALL REMOVED HYDRANTS AND SEWER STRUCTURE FRAMES AND COVERS ARE PROPERTY OF THE MUNICIPALITY OF CUMBERLAND. RETURN TO THE MUNICIPALITY OF CUMBERLAND REPRESENTATIVE.
5. NOTIFY AND COORDINATE WITH RESIDENTS AND BUSINESSES POTENTIALLY AFFECTED BY DISRUPTIONS TO WATER SERVICE, SEWER SERVICE, POWER SERVICE AND/OR TELECOMM SERVICE. ENSURE DISRUPTIONS ARE MINIMAL AND RECTIFIED AS SOON AS POSSIBLE. OUTAGES TO BE COORDINATED WITH THE APPROPRIATE UTILITIES.
6. IF/WHEN DIGGING IN CLOSE PROXIMITY TO UTILITY POLES, ENSURE 2.0m OF UNDISTURBED AND RETAINED SOIL IS MAINTAINED AT ALL TIMES AND 3.0m OF UNDISTURBED AND RETAINED SOIL AROUND ANCHORS AS MEASURED FROM WHERE THE ROD BREAKS THE GROUND. IF THESE CONDITIONS CANNOT BE MET, POLES MUST BE HELD WITH AN ENGINEERED NON-DESTRUCTIVE POLE SUPPORT MECHANISM (NO BOLTING THROUGH POLE). STAMPED DRAWING MUST BE FORWARDED TO POLE OWNER (BELL ALIANT OR NSPI) FOR APPROVAL. IF NECESSARY, ARRANGEMENTS TO REMOVE/REINSTATE ALL POLES, ANCHORS AND GUYS WILL HAVE TO BE MADE WITH THE POLE OWNER. ALLOW 4-6 WEEKS LEAD TIME. GUYS CANNOT BE RELEASED UNTIL THE APPROVED POLE SUPPORT MECHANISM IS IN PLACE.
7. ALL UNDERGROUND SERVICES TO BE REMOVED OR ABANDONED AND FILLED WITH A HIGH SLUMP LOW STRENGTH FLOWABLE GROUT AS DIRECTED BY THE MUNICIPALITY. INSTALL VENT PIPING AND SUPPLY PUMPING AS NECESSARY TO COMPLETELY FILL THE PIPE. BOTH ENDS TO BE PLUGGED. ABANDON EXISTING PIPES THAT ARE WITHIN AN EXISTING TREES DRIPLINE.
8. ALL EXISTING SERVICE AND VALVE BOXES TO REMAIN ARE TO BE ADJUSTED TO MATCH THE NEW FINISHED GRADE.
9. REPLACE ANY DISCOVERED LEAD WATER LATERALS TO THE BUILDING FOUNDATION.
10. ANY TRENCHLESS TECHNOLOGIES MUST BE APPROVED BY THE ENGINEER.
11. CONFIRM EXISTING CONDITIONS AND REINSTATEMENT PLAN WITH THE PROPERTY OWNER PRIOR TO COMMENCING WORK ON PRIVATE PROPERTY.
12. COORDINATE WITH THE HOMEOWNER FOR BUILDING ACCESS AND SCHEDULING FOR INTERNAL BUILDING CONNECTION WORK (IF NECESSSARY).

EROSION AND SEDIMENTATION CONTROL NOTES:

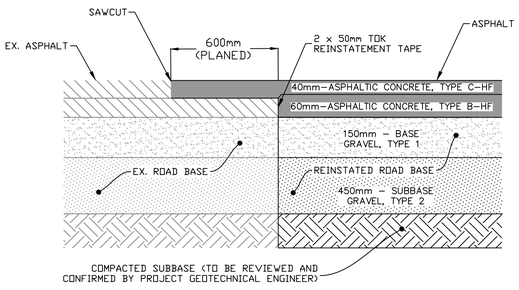
1. CONSTRUCTION ACTIVITY TO BE CARRIED OUT BASED ON THE PRINCIPLE THAT PREVENTION OF SEDIMENT LADEN RUN-OFF IS THE FOCUS RATHER THAN RELYING ON TREATMENT AT OUTFALL. THIS IS TO BE ACCOMPLISHED BY MINIMIZING EXPOSED SOIL. ONCE EXCAVATION HAS BEGUN IN A PARTICULAR AREA, THE WORK IS TO BE COMPLETED IN THAT AREA, INCLUDING FINAL GRADING AND STABILIZATION. ON THIS PROJECT IT WILL BE UNACCEPTABLE TO CONSTRUCT THE ENTIRE PROJECT AND THEN DO ALL STABILIZATION WORK. SOIL STABILIZATION WORK ON THIS PROJECT WILL BE AN ONGOING PROCESS HEAVILY INFLUENCED BY WEATHER FORECASTS. RECOMMENDED MAXIMUM AREA OF EXPOSED SOIL TO BE NO MORE THAN 15% OF THE TOTAL PROPOSED WORKING AREA OR 1 HECTARE WHICHEVER IS GREATER.
2. ALL WORKS TO BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF NOVA SCOTIA ENVIRONMENT.
3. SEDIMENTATION AND EROSION CONTROL DEVICES TO BE INSTALLED IN ACCORDANCE WITH THE "EROSION AND SEDIMENTATION CONTROL HANDBOOK FOR CONSTRUCTION SITES", CURRENT EDITION BY THE NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT.
4. REVIEW, UPGRADE, AND MAINTAIN THE EROSION AND SEDIMENTATION CONTROL MEASURES FOR THE DURATION OF THE CONSTRUCTION UNTIL THE COMPLETE SITE IS STABILIZED. MAKE NECESSARY REPAIRS TO SEDIMENTATION AND EROSION CONTROL DEVICES AS DIRECTED BY DEVELOPER'S ON SITE REPRESENTATIVE.
5. MONITOR ENVIRONMENT CANADA'S 5 DAY FORECAST ON A DAILY BASIS. WHEN RAIN IS FORECAST, ENSURE THAT ALL EXPOSED AREAS ARE STABILIZED PRIOR TO RAINFALL EVENT. ENVIRONMENT CANADA'S WEATHER LINE 426-9090.
6. INSPECT SEDIMENT CONTROL STRUCTURES AND MAKE NECESSARY REPAIRS ON A WEEKLY BASIS AND BEFORE AND AFTER EACH RAINFALL EXCEEDING 10mm. KEEP A LOG DOCUMENTING INSPECTIONS, REMEDIATION ACTION AND WEEKLY REPORT OF EXPOSED AREAS.
7. TRIBUTARY STORMWATER FROM SITE TO BE DIRECTED TO SEDIMENTATION CONTROL DEVICES AT ALL TIMES DURING CONSTRUCTION.
8. HAVE ADDITIONAL SILT FENCE, BALED HAY AND LOOSE HAY AND/OR MULCH ON SITE FOR MAINTENANCE AND INSTALLATION OF ADDITIONAL MEASURES AS REQUIRED.
9. COVER EXPOSED SURFACES WITH HAY, MULCH OR WOOD CHIPS AS REQUIRED TO PREVENT SEDIMENT RUN-OFF. MAINTAIN COVERAGE THROUGHOUT CONSTRUCTION PERIOD.
10. ALL EXPOSED AREAS NOT FINISHED WITH ASPHALT, CONCRETE, OR GRAVEL TO HAVE TOP SOIL AND SOD.
11. STOCKPILED MATERIALS ON-SITE MUST BE STABILIZED USING APPROPRIATE MEASURES INCLUDING SILT FENCE, HAY AND TARPS.
12. ALL SEDIMENT CONTROL MEASURES TO BE FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
13. LEAVE SEDIMENTATION CONTROL MEASURES IS SERVICE UNTIL ENGINEER OR THE MUNICIPALITY REQUESTS THAT THEY BE TAKEN OUT OF SERVICE.
14. THE SEDIMENTATION AND EROSION CONTROL MEASURES OUTLINED ON THIS PLAN ARE MINIMUM RECOMMENDATIONS ONLY. DEPENDING ON SITE CONDITIONS DURING CONSTRUCTION AND CONTRACTOR'S OPERATIONS, ADDITIONAL MEASURES MAY BE REQUIRED.

B ASPHALT MILLING & REINSTATEMENT DETAIL

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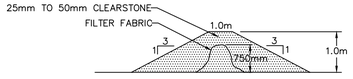
NOTES:

1. PRIOR TO PLACEMENT OF THE PAVEMENT AND SUB-BASE GRAVELS, THE ENTIRE SUBGRADE SHOULD BE PROOF-ROLLED UNDER THE SUPERVISION OF GEOTECHNICAL PERSONNEL. ANY AREAS SHOWING EXCESSIVE DEFLECTION SHOULD BE EXCAVATED AND REPLACED WITH COMPACTED GRANULAR MATERIAL.
2. PAVEMENT STRUCTURE TO BE VERIFIED WITH MUNICIPALITY OF CUMBERLAND.
3. COMPACT ALL GRAVELS TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.
4. COMPACT ASPHALT TO 92% OF THE MAXIMUM THEORETICAL BULK DENSITY.



C GRAVEL BERM DETAIL

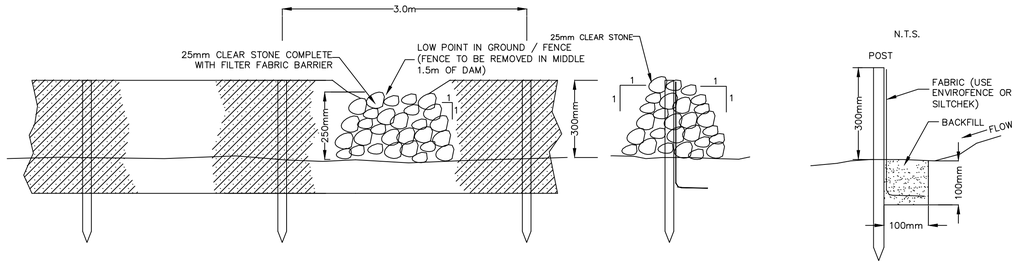
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D SILT FENCE DETAIL

NTS

(USE THIS DETAIL FOR ANY LOCAL LOW POINTS IN THE SILT FENCE.)



E LANDSCAPING CROSS SECTIONS

NTS

NOTES:

1. PRIOR TO PLACEMENT OF THE PAVEMENT AND SUB-BASE GRAVELS, THE ENTIRE SUBGRADE SHOULD BE PROOF-ROLLED UNDER THE SUPERVISION OF GEOTECHNICAL PERSONNEL. ANY AREAS SHOWING EXCESSIVE DEFLECTION SHOULD BE EXCAVATED AND REPLACED WITH COMPACTED GRANULAR MATERIAL.
2. COMPACT ALL GRAVELS TO 100% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.

TOPSOIL AND SOD

APPROVED NURSERY SOD
150mm - TOPSOIL



ASPHALT ROAD REINSTATEMENT

40mm - ASPHALTIC CONCRETE, TYPE C-HF
50mm - ASPHALTIC CONCRETE, TYPE B-HF c/w TACK COAT
150mm - BASE GRAVEL, TYPE 1

350mm - SUBBASE GRAVEL, TYPE 2

SUBGRADE COMPACTED AS PER ON-SITE GEOTECHNICAL ENGINEER



KEY PLAN:

LEGEND:	PROPOSED	EXISTING
WATER & GV	W W	UW UV
ABANDONED WATER & GV		
STORM PIPE & MANHOLE	STM PLE	ESTM PLE
UTILITY LINES & POLE	OH HO	EOH HO
STREET BOUNDARY		
PROPERTY LINES		STORM LATERAL
CATCH BASIN / ENDCAP		WATER LATERAL
FIRE HYDRANT		CATCH BASIN LEAD
		CULVERT

SEAL:

REGISTERED PROFESSIONAL ENGINEER
DATE 2025/06/02
C. D. FOGARTY
11107
PROVINCE OF NOVA SCOTIA

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REVISION:

NO.	DATE YYYY/MM/DD	DESCRIPTION
0	2025-06-02	ISSUED FOR TENDER

PROJECT NUMBER: CA0051948.6088	DATE: (YYYY/MM/DD) 2025/06/02
ORIGINAL SCALE: HORIZONTAL: N.T.S. VERTICAL: N.T.S.	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 25mm
DESIGNED BY: A.BARBRICK	DRAWN BY: A.BARBRICK
CHECKED BY: P.GORMAN	APPROVED BY: C.FOGARTY

SCALE: 1:500 METRIC
10 8 6 4 2 0 10 20 30

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia, Canada B3B 1X7
T 902-835-9955 F 902-835-1645 www.wsp.com

CLIENT: municipality of cumberland
CLIENT REF. #:

PROJECT:
PARRSBORO WATERLINE REPLACEMENT

TITLE:
DETAILS 1

SHEET NUMBER: 3
SHEET #: 3 OF 4

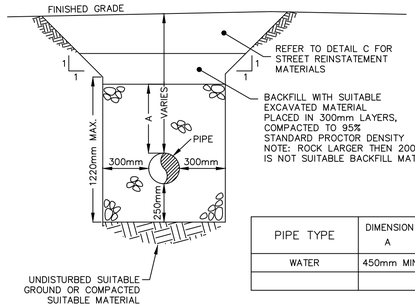
ISSUE:	REV #
ISSUED FOR TENDER	0
DATE OF: 2025-06-02	

WSP REF. NO.: ---- \\CORP.PBWAN.NET\CA\CADARTOD\CADARTDATA\PROJECTS\DARTMOUTH\2025\CA0051948.6088-CA - PARRSBORO WATERLINE REPLACEMENT\15-DWG\15.4-DWL\15.4.2-PRODUCTION_DWG\PARRSBORO WATERLINE REPLACEMENT_DETAILS -004 PRINTED: 10:34 AM 2025/06/02 BY: CAP0073109

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F TYPICAL PIPE TRENCH WITH REINSTATEMENT DETAIL

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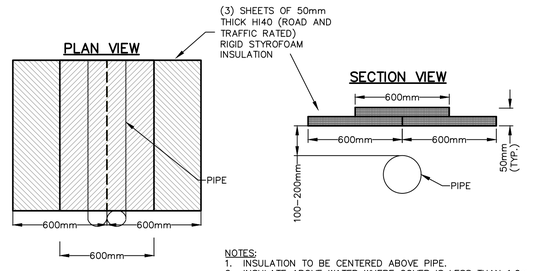
PIPE TYPE	DIMENSION A
WATER	450mm MIN.

NOTE:
1. DIMENSIONS ARE GOVERNED BY THE LARGER ADJACENT PIPE.
2. BEDDING REQUIREMENTS SHALL BE 250mm AS PER SECTIONS.
3. IF 300mm VERTICAL SEPARATION BETWEEN WATER AND WASTEWATER PIPES IS NOT PROVIDED, HORIZONTAL SEPARATION TO BE INCREASED TO 3.0m.

NOTE:
TRENCH WORK TO BE DONE IN STRICT COMPLIANCE WITH THE NOVA SCOTIA OCCUPATIONAL HEALTH AND SAFETY ACT. TRENCH MUST BE EXCAVATED SUCH THAT MAXIMUM VERTICAL WALLS ARE 1220mm (4.0') HIGH AND THEN TRENCH WALLS SLOPE NOT STEEPER THAN 1 TO 1. IF THE CONTRACTOR CAN NOT ACHIEVE THE REQUIRED MAXIMUM HEIGHT AND SLOPE, THE WORK MAY ONLY PROCEED WITH THE USE OF AN APPROVED TRENCH CAGE.

G PIPE INSULATION DETAIL

NTS



NOTES:
1. INSULATION TO BE CENTERED ABOVE PIPE.
2. INSULATE ABOVE WATER WHERE COVER IS LESS THAN 1.6m.
3. DUCT TAPE JOINTS.

H PIPE SPECIFICATIONS

WATERMAIN — DUCTILE IRON CLASS 52 MORTAR LINED, ASPHALTIC SEAL COATED, POLYWRAPPED, DIAMETER AS INDICATED.

WATER LATERAL — TYPE 25mmø TYPE K COPPER c/w INSULATION FROM MAIN TO CURB STOP.

I TEMPORARY WATER NOTES

CIVIC# REQUIRING TEMPORARY SERVICE

CIVIC# REQUIRING TEMPORARY SERVICE	TEMPLAR STREET: 64, 58, 52, 41, 40, 45, 33, 30, 23, 19, 3 EASTERN AVENUE: 3842 JENKS AVENUE: 176	
AVAILABLE HYDRANTS	EXFH1	NEAREST CIVIC #: 84 TEMPLAR ST.
	EXFH2	NEAREST CIVIC #: 3849 EASTERN AVE.
SIZE REQUIREMENTS	MINIMUM 50mm	
MINIMUM FEEDS	1	

CIVIC# REQUIRING TEMPORARY SERVICE	WHITEHALL ROAD: 387, 372, 366, 344, 349, 333 ATLANTIC AVENUE: 19, 31, 20, 5, 40, 17, 16, 14, 22, 34, 36	
AVAILABLE HYDRANTS	EXFH3	NEAREST CIVIC #: 333 WHITEHALL RD.
	EXFH5	NEAREST CIVIC #: 387 WHITEHALL RD.
SIZE REQUIREMENTS	MINIMUM 50mm	
MINIMUM FEEDS	1	

1. SUBMIT TEMPORARY WATER PLAN TWO (2) WEEKS PRIOR TO START FOR APPROVAL BY THE MUNICIPALITY OF CUMBERLAND.
2. DELIVER NOTICES TO AREA RESIDENTS ONE (1) WEEK IN ADVANCE OF START OF TEMPORARY WATER.
3. THE TEMPORARY WATER PLAN IS TO SHOW TEMPORARY WATERMAIN SIZES AND MATERIALS, PIPELINE LOCATIONS, VALVE LOCATIONS, HYDRANT LOCATIONS AND MAY PROPOSE ALTERNATE ROUTING FOR CONSIDERATION BY THE MUNICIPALITY OF CUMBERLAND.
4. PROVIDE CONTINUOUS WATER SUPPLY TO RESIDENTS AND BUSINESSES.
5. WHERE THE TEMPORARY PIPE CROSSES DRIVEWAYS, SUITABLE RAMPING OR BURY MUST BE PROVIDED AND MAINTAINED. BURY TEMPORARY STREET CROSSINGS BELOW EXISTING GRADE.
6. PROVIDE RAMPING TO MAINTAIN PEDESTRIAN TRAVEL AND ACCESS TO HOMES AND BUSINESSES.
7. PERMISSION MUST BE RECEIVED FROM THE PROPERTY OWNER TO WORK OR INSTALL TEMPORARY WATERMAIN ON PRIVATE PROPERTY, INCLUDING BUILDING ACCESS IF REQUIRED.
8. IF RESIDENCE DOES NOT HAVE AN EXTERIOR HOSE CONNECTION, CONTRACTOR TO PROVIDE AND INSTALL A FROST PROOF HOSE BIB.

KEY PLAN:

LEGEND:	PROPOSED	EXISTING
WATER & GV	W W	UW UG
ABANDONED WATER & GV		
STORM PIPE & MANHOLE	STM PLS	ESTM PLS3
UTILITY LINES & POLE	OH HO	EOH HO3
STREET BOUNDARY		
PROPERTY LINES		STORM LATERAL
CATCH BASIN	ENDCAP	WATER LATERAL
FIRE HYDRANT		CATCH BASIN LEAD
		CULVERT

SEAL:

REGISTERED PROFESSIONAL ENGINEER
DATE 2025/06/02
C. D. FOGARTY
11107
PROVINCE OF NOVA SCOTIA

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PROJECT NUMBER:	DATE: (YYYY/MM/DD)
CA0051948.6088	2025/06/02

ORIGINAL SCALE: HORIZONTAL: N.T.S. VERTICAL: N.T.S.

IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.

25mm

DESIGNED BY:	DRAWN BY:
A.BARBRICK	A.BARBRICK
CHECKED BY:	APPROVED BY:
P.GORMAN	C.FOGARTY

SCALE: 1:500 METRIC

10 8 6 4 2 0 10 20 30

WSP Canada Inc.
1 Spectacle Lake Drive
Dartmouth, Nova Scotia, Canada B3B 1X7
T 902-835-9955 F 902-835-1645 www.wsp.com

CLIENT: municipality of cumberland

CLIENT REF. #:

PROJECT:

PARRSBORO WATERLINE REPLACEMENT

TITLE:

DETAILS 2

SHEET NUMBER: 4

SHEET #: 4 OF 4

ISSUE:	REV #
ISSUED FOR TENDER	0
DATE OF: 2025-06-02	

XREFS:
WSP REF. NO.: ----
\\CORP.PBWAN.NET\CA\CADARTOD\CADARTODATA01\PROJECTS\DARTNOUTH\2025\CA0051948.6088-CA - PARRSBORO WATERLINE REPLACEMENT\15-DWG\15.4-CIVIL\15.4.2-PRODUCTION_DWG\PARRSBORO WATERLINE REPLACEMENT.DWG DETAILS -005 PRINTED: 10:34 AM 2025/06/02 BY: CARSOT3109