

**MUNICIPALITY OF WEST GREY**

**TENDER DOCUMENTS  
CONTRACT NO. 25-10129-01**

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**SOUTH STREET RECONSTRUCTION**

**MUNICIPALITY OF WEST GREY**

**MARCH 2025**



**Tender No.**

# **MUNICIPALITY OF WEST GREY**

**TENDER DOCUMENTS  
CONTRACT NO. 25-10129-01**

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## **SOUTH STREET RECONSTRUCTION**

**MUNICIPALITY OF WEST GREY**

**MARCH 2025**

**Prepared For:**

Municipality of West Grey  
402813 Grey Road 4,  
Durham, ON N0G 1R0

Tel: (519) 369-2200

**Prepared By:**

Cobide Engineering Inc.  
517 – 10<sup>th</sup> Street  
Hanover, ON N4N 1R4  
Tel: 519-506-5959

March 2025

Cobide Project 25-10129-01

## TENDERER'S CHECK LIST

Before submitting your tender, check the following points:

1. Has your tender been signed, sealed and witnessed? \_\_\_\_\_
2. Have you completed all schedules and prices in the Form of Tender? \_\_\_\_\_
3. Have you indicated the number of addenda included in the tender price? \_\_\_\_\_
4. Have you shown the time for completion of the work? (if applicable). \_\_\_\_\_
5. Have you listed your Sub-Contractors? \_\_\_\_\_
6. Have you listed your Experience in Similar Work? \_\_\_\_\_
7. Have you listed your Senior Staff? \_\_\_\_\_
8. Are the documents complete? \_\_\_\_\_

Note: Your tender will be informal and may be disqualified if ANY of the foregoing points (if applicable) have not been complied with.

**MAKE SURE THAT YOU SEAL THE TENDER IN YOUR ENVELOPE.**

**MUNICIPALITY OF WEST GREY**  
**SOUTH STREET RECONSTRUCTION**

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**CONTRACT DOCUMENTS**

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**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION A**  
**INFORMATION FOR TENDERERS**

**MUNICIPALITY OF WEST GREY**  
**SOUTH STREET RECONSTRUCTION**

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**INFORMATION FOR TENDERERS**

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**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION A**

**INFORMATION FOR TENDERERS**

**IT 1. PREPARATION OF PLANS AND SPECIFICATIONS AND SUPERVISION OF WORK**

- .1 The plans and specifications for the Work have been prepared by the Engineer, **COBIDE ENGINEERING INC.**, who will, pursuant to GC 3, inspect and monitor the Work to be done under the Contract.
- .2 Questions with respect to this Tender are to be directed to **Mr. Travis Burnside, P.Eng.**, the Project Manager for the Engineer, at (519) 506-5959, Ext. 101.
- .3 Should a Tenderer find discrepancies, omissions, or ambiguities, or not agree that the materials and methods specified or designed will provide an installation which meets the requirements of the intended Work, the Tenderer shall notify the Engineer prior to the Tender opening date. The Engineer may choose to issue a written addendum. Addenda issued during the tendering period shall be allowed for by the Tenderer in submitting the Tender. No oral interpretation made by the Owner or the Engineer will be effective to modify any aspect of the Contract Drawings, Specifications or Documents.

**IT 2. EXAMINATION OF SITE**

- .1 The Tenderer shall visit the site of the Work before submitting a Tender, and shall make its own estimate of the facilities and difficulties that may be encountered and of the nature of the subsurface conditions. The Tenderer shall not claim at any time after submission of the Tender that there was any misunderstanding of the terms and conditions of the Contract related to site conditions.

**IT 3. HARMONIZED SALES TAX**

- .1 The Total Tender Price shall include all Government custom duties and excise taxes applicable at the time of execution of the Contract.
- .2 The unit prices shall not include the Harmonized Sales Tax. The applicable amount of Harmonized Sales Tax for the entire Contract is to be entered as a separate item on the Tender Summary Page.

**IT 4. ITEMS**

- .1 The parts of the Work have been divided into items, in order to enable the Tenderer to tender for the different portions of the Work in accordance with the Tenderer's estimate of cost for each item. The intent is that for each item of Work, the actual quantity executed may be paid for at the rate stated for that particular item of Work in the Form of Tender, subject to the basis of payment set out for each item in the Contract Documents.

- .2 Without limiting the generality of the foregoing, the Tenderer's attention is specifically directed to GC 8.01.02.

**IT 5. PROVISIONAL ITEMS**

- .1 When it is expected that certain specific items of Work may be required during the course of construction, but the exact requirements of those items of Work will depend on ground conditions or other uncertain factors encountered, such items are shown in the Form of Tender as Provisional Items. The quantities may vary significantly, or the item may not be used at all, at the sole discretion of the Engineer. The Tenderer shall price these items accordingly and shall not claim any anticipated loss of profit or increased overhead if any or all of these items is deleted altogether, or the quantities are significantly amended.

**IT 6. CONTINGENCY ALLOWANCES**

- .1 Where the Owner and/or Engineer considers it advisable, under the circumstances of the Project, to provide additional lump sum allowance(s) to pay for Work which is completely unforeseen, such allowance(s) are reflected in the Form of Tender as Contingency Allowance(s). The Contractor is not entitled to payment from such allowances except for extra or additional Work carried out by the Contractor in accordance with the Contract and only to the extent of such extra or additional Work as authorized in advance by the Engineer in writing.

**IT 7. RIGHT TO ACCEPT OR REJECT TENDERS/SUB-CONTRACTORS**

- .1 The Owner reserves the right to reject any or all Tenders or to accept any Tender should it be deemed in the interest of the Owner to do so. In particular, if only one Tender is received, the Owner reserves the right to reject it.
- .2 In particular, the Owner reserves both the right to reject a Tender from any person or corporation with whom the Owner is in litigation, and the right to prevent (in accordance with SGC 7) such person or corporation from performing any supply or sub-contract function on this project.
- .3 Accordingly, the Tenderer's attention is specifically directed to SGC 7 for conditions respecting the naming and use of sub-contractors. This clause may have an effect on the Owner's decision to award the Contract.
- .4 By submitting a Tender, the Tenderer acknowledges that it shall have no claim against, or entitlement to damages from, the Owner by reason of the Owner's rejection of its bid or all bids.

**IT 8. ABILITY AND EXPERIENCE OF TENDERER**

- .1 The Owner does not intend to award the Contract to any Tenderer who does not furnish satisfactory evidence that the Tenderer has the ability and experience required in this class of work and that the Tenderer has sufficient capital and plant to execute the Work successfully and to complete it in the time required by the Contract. The appropriate forms in the Form of Tender must be completed; otherwise the tender may, but shall not necessarily, be rejected as informal.

**IT 9. INFORMAL TENDERS**

- .1 Tenders which are incomplete, conditional or obscure, or which contain additions not called for, erasures, alterations or irregularities of any kind, may but shall not necessarily be rejected as informal.



**IT 10. UNBALANCED OR INCORRECT TENDERS**

- .1 The unit price quoted in the Form of Tender shall be a reasonable unit price for each item. The Owner shall be the sole judge of such matters. Any Tender considered by the Owner to be unbalanced may, but shall not necessarily, be rejected by the Owner.
- .2 When the Form of Tender requires the Tenderer to indicate the completion date or completion period, the timeframe so indicated shall be reasonable in the context of the requirements of the project. The Owner shall be the sole judge of such matters, and may consider the implications, financial or otherwise, of such indicated schedule as part of the decision to award the project or not to any Tenderer.
- .3 Where the amount for an item does not agree with the extension of the estimated quantity and the tendered unit price, the unit price shall govern and both the item amount and the total tender price shall be corrected accordingly. If both the unit price and the total price for an item are left blank, then both shall be considered a zero. If the unit price is left blank, but a total price is shown for the item, then the unit price shall be determined by dividing the total price by the estimated quantity.
- .4 Notwithstanding the values that may have been read out at the tender opening, the corrected tender values, as determined by the procedures contained herein, shall be used to establish the ranking of the Tenders.

**IT 11. PERFORMANCE SECURITY**

- .1 Every Tender shall be accompanied by an "Agreement to Bond" for a 100% Performance Bond and a 100% Labour and Material Payment Bond from a Surety Company acceptable to the Owner, which will not be accepted if submitted by facsimile transmission (fax). The Surety Company must be properly licenced in Canada.
- .2 The Performance Bond and Labour and Material Payment Bond together shall constitute the Contract Performance Security which will be required to ensure the performance of the Contract, including, without limitation, the construction, alteration, repair and maintenance of all Work provided for by the Contract.
- .3 The Contract Performance Security shall remain in full force and effect until the end of the warranty period or until such time as the Contractor is released from the warranty period, whichever is longer.
- .4 Failure to submit the Agreement to Bond as required above may, but shall not necessarily, result in the Tender being disqualified.
- .5 If Bonding is required for the project, the party to whom the Contract is awarded will be required to provide the fully executed Contract Performance Security within ten (10) working days of the date of notice of award to the successful Tenderer to the address given in the Tender.
- .6 In the absence of a specific item in the Form of Tender for the Contract Performance Security, the costs of providing the Contract Performance Security shall be deemed to be included in all of the items in the Form of Tender, and no separate payment shall be made for same.
- .7 Bonds shall be as per form 31 and 32 under section 85.1 of the Construction Act.

**IT 12. MAINTENANCE HOLDBACK**

- .1 Contractors are advised that cash will be held back throughout construction to enforce the warranty period. The value of the maintenance holdback shall be **2.5%** of the contract value excluding HST.

- .2 The maintenance holdback, which is at no time a part of the statutory holdback, shall be retained by the Owner in increments from monies that would otherwise be payable to the contractor, commencing from the first payment certificate.
- .3 The maintenance holdback, less any deductions made, shall be paid to the Contractor following the issuance by the Engineer of the Final Certificate at the end of the period of maintenance or such a time as the Contractor is released from the warranty period, whichever is longer.
- .4 No interest shall be paid to the Contractor for the retained maintenance security.
- .5 If maintenance concerns following substantial completion are not dealt with in a timely manner, at the discretion of the Engineer and the Solicitor for the Owner, a separate contractor may be retained to correct the deficiencies. Payment for this work shall be deducted from the maintenance holdback.

### IT 13. TENDER DEPOSIT

- .1 Each tender shall be accompanied by a certified cheque in the amount of Forty Thousand (\$40,000.00) Dollars made payable to the MUNICIPALITY OF WEST GREY, as evidence of good faith that, if awarded the Contract, the Tenderer will execute the Contract. A Bid Bond issued by a nationally recognized Bonding Company will be accepted in lieu of a certified cheque. The tender deposit of the two lowest Tenderers will be retained until after the execution of the Contract. All other tender deposits shall be returned within ten (10) business days of tender closing.
- .2 This tender deposit is provided as assurance that should the bid be accepted, a contract will be entered into for the proper performance of the work within ten (10) calendar days following written notification from the Owner to the successful bidder. Therefore, bonds are required to be valid for one hundred (100) days from date of the Tender opening.
- .3 The said tender deposit will be forfeited and surrendered to the Owner as liquidated damages sustained in case of failure to enter into a contract as described above, such amount being a fair and reasonable estimate of foreseeable losses.
- .4 When copies of the executed Contract are returned and found acceptable to the Designated Official the bid of the successful bidder; the second low bidder; and the third low bidder shall be refunded immediately.
- .5 If a Tender has been awarded and the successful low bidder fails to sign the Contract or provide the Contract bonds, cash or other acceptable collateral and other required documents within the specified time, the Designated Official may grant additional time to fulfill the necessary requirements, if in the opinion of the Designated Official, the extension does not compromise the interest of the Town or the Designated Official may recommend one of the following:
  - 1. that the Tender shall be awarded to the next low bidder
  - 2. that the Tender shall be cancelled

In the event of a time extension and documents are not received prior to the deadline of that extension, the contract will be considered null and void and the Designated Official may proceed as noted above.

### IT 14. TENDER LEFT OPEN

- .1 The Tenderer shall keep its Tender open for acceptance for **90 days** after its submission, unless its Tender has been withdrawn in accordance with IT 15.4, below.

**IT 15. DELIVERY AND OPENING OF TENDERS**

- .1 Sealed Tenders for COUNTY ROAD 28 ROAD RECONSTRUCTION will be received up to **2:00 p.m. local time on Thursday April 17<sup>th</sup>, 2025** at the office of the **MUNICIPALITY OF WEST GREY, 402813 Grey Road 4, Durham, Ontario N0G 1R0 (519) 369-2200**, and opened publicly shortly thereafter.
- .2 Tender envelopes shall be plainly marked only with "SOUTH STREET RECONSTRUCTION" and shall bear no other identifying marks.
- .3 Tenders shall be submitted on the supplied separate Form of Tender. The Form of Tender shall be completed in every respect, with all blanks filled in by typewriter or legibly printed in ink. Tenders must be properly signed and sealed if the Tenderer is a corporation; otherwise the Tender may, but shall not necessarily, be declared "Informal" and rejected.
- .4 Tenders may be withdrawn by written notice filed at any time prior to the opening of the first Tender.
- .5 Tenders will not be accepted if submitted by facsimile transmission (fax).

**IT 16. CONDITION PRECEDENT TO AWARD**

- .1 It is a condition precedent to the award of the Contract that the approval of the **County of Grey** as well as **MUNICIPALITY OF WEST GREY's Council** be obtained. Accordingly, both the award and the Contract itself will not take force and effect until such time as such approvals have been granted, notwithstanding the fact that the Owner may have indicated an intent to award the Contract and also notwithstanding the fact that, as a consequence of such indication of intent to award, all relevant Contract Documents may have been supplied and/or fully executed in anticipation of such approvals.
- .2 If the condition precedent referred to in .1 above has not been satisfied within the period for acceptance noted in IT 14, the Contractor will be free to extend such period for acceptance, or to refuse to accept the award, or to negotiate revised terms with the Owner, as the Contractor may see fit.

**IT 17. INSURANCE**

- .1 Prior to execution of the Contract, the successful Tenderer shall provide to the Owner a Certificate of Insurance or a certified copy of its Insurance Policy, in accordance with GC 6.03, as amended by SGC 11.

**IT 18. WORKPLACE SAFETY AND INSURANCE BOARD**

- .1 Prior to execution of the Contract Documents, the successful Tenderer shall provide to the Owner a letter from the Workplace Safety and Insurance Board stating that all assessments have been paid and that the Contractor is in good standing with the Workplace Safety and Insurance Board. And a Workplace Injury and Summary Report (WSIR).

**IT 19. AWARD AND EXECUTION OF CONTRACT**

- .1 For the purposes of this Contract, the date of award of the Contract shall be deemed to be:
  - (a) If IT 16, "Condition Precedent to Award" applies, the date when the Owner has in writing notified the Tenderer that the Condition Precedent to Award has been satisfied; or

- (b) If no Condition Precedent to Award exists, the date when written notice of award is provided by the Owner to the Tenderer.
- .2 Notice pursuant to .1 above may be made by registered mail or by courier, in which case the date of mailing or shipping shall be deemed to be the date of award; or by facsimile transmission ("fax") or email, in which case the date of transmission shall be deemed to be the date of award.
- .3 Without limitation and to summarize the requirements of other paragraphs of the Information for Tenderers, the following documentation is required from the Contractor prior to or upon execution of the Contract:
- (i) the Contractor's HST Registration Number (IT 3);
  - (ii) an approved list of sub-contractors (IT 7);
  - (iii) the Contract Performance Security, if required (IT 11);
  - (iv) the Proof of Insurance (IT 17); and
  - (v) the Workplace Safety and Insurance Board Certificate (IT 18);
  - (vi) the Supervisor's name and phone number;
  - (vii) Contractor's Emergency Contact number (Constructor/Contractor).
- .4 A Tenderer to whom the Contract has been awarded will be required to execute three (3) copies of the Contract within ten (10) working days of the date of award of the Contract.
- .5 If the Tenderer refuses or fails to execute the Contract within ten (10) working days of the date of award, it will be considered that the Tenderer has abandoned all rights and interests in the Contract, and the tender deposit of the Tenderer shall be forfeited to the Owner as liquidated damages. The Owner shall, in such event, be free to award the Contract to another Tenderer or to re-tender the Work.

#### **IT 20. MANDATORY ON-SITE PRE-TENDER BRIEFING/TEST HOLES**

- .1 No test holes will be excavated during the Tendering Period however a copy of the borehole logs are available for the Contractor to review and make their own determinations.

#### **IT 21. FREEDOM OF INFORMATION**

- .1 Any personal information required on the Tender Form is received under the authority of the Municipal Freedom of Information and Protection of Privacy Act, 1989, RSO, 1990. This information will be an integral component of the Tender submission.
- .2 All written Tenders received by the Corporation become a public record, once a Tender is accepted by the Owner(s), all information contained in them is available to the public, including personal information.
- .3 Questions about collection of personal information and the Municipal Freedom of Information and Protection of Privacy Act, 1989, R.S.O. 1990, Chapter M.56, as amended, should be directed to:

**Clerk, MUNICIPALITY OF WEST GREY  
402813 Grey Road 4, Durham, Ontario  
N0G 1R0  
Telephone (519) 369-2200**

The Clerk has been designated by the MUNICIPALITY OF WEST GREY Council to carry out the responsibilities of the Act.

**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION  
MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION B**

**FORM OF TENDER**

**MUNICIPALITY OF WEST GREY**  
**SOUTH STREET RECONSTRUCTION**  
**MUNICIPALITY OF WEST GREY**

Contract No. 25-10129-01

**SECTION B**

**FORM OF TENDER**

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**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION  
MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**FORM OF TENDER**

Tender by: \_\_\_\_\_  
(Name)

Residing at or place of Business: \_\_\_\_\_

Having Head Office at: \_\_\_\_\_

hereinafter called the Tenderer, hereby submits this tender to the Owner:

**MUNICIPALITY OF WEST GREY**

We, the undersigned, having carefully examined everything necessary to submit this Tender, including, without limitation, examination of the site of the Work and the conditions pertaining to the Work, and all documents referred to in Schedule "B" hereto and \*Addenda No. \_\_\_\_ to \_\_\_\_ inclusive (herein collectively called the "Contract Documents") for SOUTH STREET RECONSTRUCTION, MUNICIPALITY OF WEST GREY.

(herein called the "Work") will provide and pay for all materials, labour, water, tools, equipment, plant, light, power and services necessary for the execution of the Work as called for by the said Contract Documents in the manner prescribed therein and in accordance with the requirements of the Contract Administrator (as defined in the Contract Documents) under them for the amount of \*\* \_\_\_\_\_

\_\_\_\_\_ DOLLARS (\$ \_\_\_\_\_), which total has been calculated using the Schedule of Unit Prices and estimated quantities attached hereto as Schedule "A". We agree that the final valuation of the Work will be made on the basis of actual quantities measured on completion of the Work at the prices contained in the Schedule of Unit Prices.

The unit prices set out in the Schedule of Unit Prices are to be used also for any extra work authorized by the Engineer and for computing payments. We understand that the quantities of Work as shown in the Schedule of Unit Prices are subject to increase or decrease, and are approximate only; and we offer to do the Work, whether the quantities are increased or decreased, at the unit prices stated in the Schedule of Unit Prices.

\* Insert number of Addenda, if any.

\*\* Bring forward total tender price from the Summary of Tender as set out in Schedule "A".

**SCHEDULE "A"  
SCHEDULE OF UNIT PRICES  
SUMMARY OF TENDER**

<b>Section</b>	<b>Description</b>	<b>Total</b>
1.0	General Construction Items - Phase 1	\$ _____
2.0	Removals - Phase 1	\$ _____
3.0	Sanitary Sewer and Appurtenances - Phase 1	\$ _____
4.0	Storm Sewer - Phase 1	\$ _____
5.0	Watermain and Appurtenances - Phase 1	\$ _____
6.0	Road Works - Phase 1	\$ _____
7.0	General Construction Items - Phase 2	\$ _____
8.0	Removals - Phase 2	\$ _____
9.0	Sanitary Sewer and Appurtenances - Phase 2	\$ _____
10.0	Storm Sewer - Phase 2	\$ _____
11.0	Watermain and Appurtenances - Phase 2	\$ _____
12.0	Road Works - Phase 2	\$ _____
	Contingency Allowance	\$ <u>50,000.00</u>
	<b>Sub-Total Tender</b>	<b>\$ _____</b>
	<b>13% HST</b>	<b>\$ _____</b>
	<b>Total Tender</b>	<b>\$ _____</b>



**SOUTH STREET RECONSTRUCTION PHASE 1**

**1.0 General Construction Items**

1.1	SP 7	Mobilization/ Demobilization	LS	100%	\$ _____
1.2	SP 8	Bonding (Entire Project)	LS	100%	\$ _____
1.3	SP 9	Materials Testing	LS	100%	\$ _____
1.4	SP 10	Traffic Control	LS	100%	\$ _____
1.5	510 SP 11	Clearing and Grubbing	LS	100%	\$ _____
1.6	510 SP 12	Traffic Sign Relocation (As Required)	LS	100%	\$ _____
1.7	SP 13	Pre-Construction Survey (Entire Project)	LS	100%	\$ _____

**Total Section 1.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 1**

**2.0 Removals**

2.1	510 SP 14	Full Depth Asphalt Pulverizing	m <sup>2</sup>	2,560	\$ _____	\$ _____
2.2	510 SP 15	Partial Depth Asphalt Removal	m <sup>2</sup>	102	\$ _____	\$ _____
2.3	510 SP 16	Remove Existing Sanitary Sewer (various sizes)	m	259	\$ _____	\$ _____
2.4	510 SP 17	Remove Existing Sanitary Manhole	Each	4	\$ _____	\$ _____
2.5	510 SP 18	Remove Existing Sanitary Services	Each	15	\$ _____	\$ _____
2.6	510 SP 19	Remove Existing Storm Sewer (various sizes)	m	34	\$ _____	\$ _____
2.7	510 SP 72	Remove Existing Manhole/Catchbasin	Each	3	\$ _____	\$ _____
2.8	510 SP 20	Cut and Cap Existing Watermain	Each	6	\$ _____	\$ _____
2.9	510 SP 21	Remove Existing Watermain and Appurtenances	m	313	\$ _____	\$ _____
2.10	510 SP 22	Remove Existing Water Services	Each	15	\$ _____	\$ _____
2.11	510 SP 23	Remove Existing Asphalt Driveway	m <sup>2</sup>	65	\$ _____	\$ _____
2.12	510 SP 24	Remove Existing Concrete Driveway	m <sup>2</sup>	95	\$ _____	\$ _____
2.13	510 SP 25	Remove and Salvage Concrete Pavers	m <sup>2</sup>	20	\$ _____	\$ _____
2.14	510 SP 26	Remove Existing Concrete Sidewalk	m <sup>2</sup>	20	\$ _____	\$ _____
2.15	510 SP 27	Remove Existing Concrete Curb and Gutter	m	28	\$ _____	\$ _____

**Total Section 2.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 1**

**3.0 Sanitary Sewers and Appurtenances**

3.1	410 SP 28	300 mm dia. PVC SDR-35 Sanitary Sewer	m	260	\$ _____	\$ _____
3.2	407 517 SP 29	Connect Proposed Sanitary Sewer to Existing Manhole	Each	2	\$ _____	\$ _____
3.3	407 517 SP 30	Connect Proposed Sanitary Sewer to Existing Sanitary Sewer	Each	1	\$ _____	\$ _____
3.4	407 517 SP 31	Connect Existing Sanitary Sewer to Proposed Sanitary Manhole	Each	3	\$ _____	\$ _____
3.5	410 SP 32	1200 mm dia. Sanitary Manhole	Each	4	\$ _____	\$ _____
3.6	410 SP 33	Supply and Install 125mm dia. Sanitary Service	Each	15	\$ _____	\$ _____
3.7	410 SP 34	Adjust Existing Frame and Grate	Each	1	\$ _____	\$ _____
3.8	409 SP 35	Closed Circuit Television Inspection (Substantial Performance)	LS	100%		\$ _____
3.9	409 SP 36	Closed Circuit Television Inspection (Prior to End of Maintenance Period)	LS	100%		\$ _____

**Total Section 3.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 1**

**4.0 Storm Works**

4.1	410 SP 37	300 mm dia. HDPE Storm Sewer	m	44	\$ _____	\$ _____
4.2	410 SP 37	375 mm dia. HDPE Storm Sewer	m	10	\$ _____	\$ _____
4.3	410 SP 37	450 mm dia. HPDE Storm Sewer	m	28	\$ _____	\$ _____
4.4	410 SP 37	900 mm dia. HDPE Storm Sewer	m	290	\$ _____	\$ _____
4.5	407 517 SP 38	Supply and Install 600 x 600 mm Precast Concrete Catchbasin	Each	3	\$ _____	\$ _____
4.6	407 517 SP 39	Supply and Install 600 x 1450 mm Precast Concrete Twin Inlet Catchbasin	Each	1	\$ _____	\$ _____
4.7	407 517 SP 40	Supply and Install 1800 mm dia. Catchbasin Manhole	Each	3	\$ _____	\$ _____
4.8	407 517 SP 40	Supply and Install 2400 mm dia. Catchbasin Manhole	Each	2	\$ _____	\$ _____
4.9	407 517 SP 41	Supply and Install 1800 mm dia. Twin Inlet Catchbasin Manhole	Each	1	\$ _____	\$ _____
4.10	407 517 SP 42	Supply and Install 1800 mm dia. Storm Manhole	Each	3	\$ _____	\$ _____
4.11	405 SP 43	Supply and Place 150 mm Perforated Subdrain in Sand Bedding (Provisional)	m	548	\$ _____	\$ _____
4.12	410 SP 44	Supply and Install 150mm dia. Storm Service (Provisional)	Each	1	\$ _____	\$ _____
4.13	410 SP 70	Supply and Install 250mm dia. Storm Service	Each	2	\$ _____	\$ _____
4.14	511	Supply and Place Rip Rap	m <sup>2</sup>	37	\$ _____	\$ _____

	SP 45						
4.15	409 SP 46	Closed Circuit Television Inspection (Substantial Performance)	LS	100%		\$ _____	
4.16	409 SP 47	Closed Circuit Television Inspection (Prior to End of Maintenance Period)	LS	100%		\$ _____	
4.17	410 SP 73	Connect Proposed Storm Sewer to Existing Storm Structure	Each	1	\$ _____	\$ _____	
4.18	410 SP 74	Connect Existing Storm Sewer to Proposed Storm Structure	Each	1	\$ _____	\$ _____	

**Total Section 4.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 1**

**5.0 Watermain and Appurtenances**

5.1	493 SP 48	Supply, Install and Maintain Temporary Water System	LS	100%		\$ _____
5.2	441 SP 49	200 mm dia. PVC DR 18 Watermain	m	274	\$ _____	\$ _____
5.3	441 SP 49	300 mm dia. PVC DR 18 Watermain	m	38	\$ _____	\$ _____
5.4	441 SP 50	200 mm dia. Gate Valve	Each	8	\$ _____	\$ _____
5.5	441 SP 50	300 mm dia. Gate Valve	Each	3	\$ _____	\$ _____
5.6	441 SP 51	Supply and Install 25mm Diameter Water Service	Each	15	\$ _____	\$ _____
5.7	441 SP 52	Commission Watermain	LS	100%		\$ _____
5.8	441 SP 53	Connect to Existing Watermain	Each	7	\$ _____	\$ _____
5.9	441 SP 54	Supply and Install SM Insulation (Provisional)	m	99	\$ _____	\$ _____

**Total Section 5.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 1**

**6.0 Road Works**

6.1	206 SP 55	Earth Excavation (PQP)	m <sup>3</sup>	2,919	\$ _____	\$ _____
6.2	314 1010 SP 56	Supply and Place Granular 'B'	tonne	4,210	\$ _____	\$ _____
6.3	314 1010 SP 57	Supply and Place Granular 'A'	tonne	1,630	\$ _____	\$ _____
6.4	314 1010 SP 58	Imported Granular Fill (Provisional)	m <sup>3</sup>	1,000	\$ _____	\$ _____
6.5	310 SP 59	Hot Mix Asphalt – HL4 (60 mm base course)	tonne	550	\$ _____	\$ _____
6.6	310 SP 60	Hot Mix Asphalt – HL3 (40 mm surface course)	tonne	410	\$ _____	\$ _____
6.7	310 SP 61	Hot Mix Miscellaneous	m <sup>2</sup>	116	\$ _____	\$ _____
6.8	353 SP 62	Supply and Install Concrete Barrier Curb and Gutter (OPSD 600.040)	m	548	\$ _____	\$ _____
6.9	351 SP 62	Supply and Install 1.5 m Concrete Sidewalk	m <sup>2</sup>	190	\$ _____	\$ _____
6.10	350 SP 64	Concrete Driveway Restoration	m <sup>2</sup>	95	\$ _____	\$ _____
6.11	350 SP 65	Brick Driveway Restoration	m <sup>2</sup>	20	\$ _____	\$ _____
6.12	351 SP 66	Supply and Install Tactile Plates	Each	18	\$ _____	\$ _____
6.13	802 803 SP 67	Supply and Place Topsoil and Sod	m <sup>2</sup>	3,995	\$ _____	\$ _____
6.14	506 SP 68	Dust Control	LS	100%		\$ _____
6.15	201 SP 69	Subgrade and Boulevard Preparation	LS	100%		\$ _____

**Total Section 6.0  
(Transfer to Page FT-2)**

**\$**

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**SOUTH STREET RECONSTRUCTION PHASE 2**

**7.0 General Construction Items**

7.1	SP 7	Mobilization/ Demobilization	LS	100%	\$ _____
7.2	SP 9	Materials Testing	LS	100%	\$ _____
7.3	SP 10	Traffic Control	LS	100%	\$ _____
7.4	510 SP 11	Clearing and Grubbing	LS	100%	\$ _____
7.5	510 SP 12	Traffic Sign Relocation (As Required)	LS	100%	\$ _____
<b>Total Section 7.0 (Transfer to Page FT-2)</b>					<b>\$ _____</b>

**SOUTH STREET RECONSTRUCTION PHASE 2**

**8.0 Removals**

8.1	510 SP 14	Full Depth Asphalt Pulverizing	m <sup>2</sup>	2,062	\$ _____	\$ _____
8.2	510 SP 15	Partial Depth Asphalt Removal	m <sup>2</sup>	89	\$ _____	\$ _____
8.3	510 SP 16	Remove Existing Sanitary Sewer (various sizes)	m	226	\$ _____	\$ _____
8.4	510 SP 17	Remove Existing Sanitary Manhole	Each	2	\$ _____	\$ _____
8.5	510 SP 18	Remove Existing Sanitary Services	Each	16	\$ _____	\$ _____
8.6	510 SP 19	Remove Existing Storm Sewer (various sizes)	m	214	\$ _____	\$ _____
8.7	510 SP 72	Remove Existing Manhole/Catchbasin	Each	5	\$ _____	\$ _____
8.8	510 SP 20	Cut and Cap Existing Watermain	Each	1	\$ _____	\$ _____
8.9	510 SP 21	Remove Existing Watermain and Appurtenances	m	501	\$ _____	\$ _____
8.10	510 SP 22	Remove Existing Water Service	Each	18	\$ _____	\$ _____
8.11	510 SP 23	Remove Existing Asphalt Driveway	m <sup>2</sup>	375	\$ _____	\$ _____
8.12	510 SP 24	Remove Existing Concrete Driveway	m <sup>2</sup>	60	\$ _____	\$ _____
8.13	510 SP 26	Remove Existing Concrete Sidewalk	m <sup>2</sup>	102	\$ _____	\$ _____
8.14	510 SP 27	Remove Existing Concrete Curb and Gutter	m	290	\$ _____	\$ _____

**Total Section 8.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 2**

**9.0 Sanitary Sewers and Appurtenances**

9.1	410 SP 28	300 mm dia. PVC SDR-35 Sanitary Sewer	m	225	\$ _____	\$ _____
9.2	407 517 SP 29	Connect Proposed Sanitary Sewer to Existing Manhole	Each	1	\$ _____	\$ _____
9.3	407 517 SP 30	Connect Proposed Sanitary Sewer to Existing Sanitary Sewer	Each	2	\$ _____	\$ _____
9.4	410 SP 32	1200 mm dia. Sanitary Manhole	Each	2	\$ _____	\$ _____
9.5	410 SP 33	Supply and Install 125mm dia. Sanitary Service	Each	16	\$ _____	\$ _____
9.6	409 SP 35	Closed Circuit Television Inspection (Substantial Performance)	LS	100%		\$ _____
9.7	409 SP 36	Closed Circuit Television Inspection (Prior to End of Maintenance Period)	LS	100%		\$ _____

**Total Section 9.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 2**

**10.0 Storm Works**

10.1	410 SP 37	300 mm dia. HDPE Storm Sewer	m	17	\$ _____	\$ _____
10.2	410 SP 37	375 mm dia. HDPE Storm Sewer	m	90	\$ _____	\$ _____
10.3	410 SP 37	450 mm dia. HPDE Storm Sewer	m	49	\$ _____	\$ _____
10.4	410 SP 37	600 mm dia. HDPE Storm Sewer	m	9	\$ _____	\$ _____
10.5	410 SP 37	750 mm dia. HDPE Storm Sewer	m	16	\$ _____	\$ _____
10.6	410 SP 37	900 mm dia. HDPE Storm Sewer	m	77	\$ _____	\$ _____
10.7	407 517 SP 38	Supply and Install 600 x 600 mm Precast Concrete Catchbasin	Each	2	\$ _____	\$ _____
10.8	407 517 SP 39	Supply and Install 600 x 1450 mm Precast Concrete Twin Inlet Catchbasin	Each	2	\$ _____	\$ _____
10.9	407 517 SP 40	Supply and Install 1200 mm dia. Catchbasin Manhole	Each	2	\$ _____	\$ _____
10.10	407 517 SP 40	Supply and Install 1800 mm dia. Catchbasin Manhole	Each	1	\$ _____	\$ _____
10.11	407 517 SP 41	Supply and Install 1500 mm dia. Twin Inlet Catchbasin Manhole	Each	1	\$ _____	\$ _____
10.12	407 517 SP 41	Supply and Install 1800 mm dia. Twin Inlet Catchbasin Manhole	Each	1	\$ _____	\$ _____
10.13	405 SP 43	Supply and Place 150 mm Perforated Subdrain in Sand Bedding (Provisional)	m	380	\$ _____	\$ _____
10.14	410 SP 44	Supply and Install 150mm dia. Storm Service (Provisional)	Each	1	\$ _____	\$ _____

10.15	410 SP 73	Connect Proposed Storm Sewer to Existing Storm Structure	Each	1	\$ _____	\$ _____
10.16	410 SP 75	Connect Existing Storm Sewer to Proposed Storm Sewer	Each	1	\$ _____	\$ _____
10.17	409 SP 46	Closed Circuit Television Inspection (Substantial Performance)	LS	100%		\$ _____
10.18	409 SP 47	Closed Circuit Television Inspection (Prior to End of Maintenance Period)	LS	100%		\$ _____
<b>Total Section 10.0 (Transfer to Page FT-2)</b>						<b>\$ _____</b>

**SOUTH STREET RECONSTRUCTION PHASE 2**

**11.0 Watermain and Appurtenances**

11.1	493 SP 48	Supply, Install and Maintain Temporary Water System	LS	100%		\$ _____
11.2	441 SP 49	250 mm dia. PVC DR 18 Watermain	m	118	\$ _____	\$ _____
11.3	441 SP 49	300 mm dia. PVC DR 18 Watermain	m	138	\$ _____	\$ _____
11.4	441 SP 49	300 mm dia. PVC DR 18 RAW Watermain	m	153	\$ _____	\$ _____
11.5	441 SP 50	250 mm dia. Gate Valve	Each	1	\$ _____	\$ _____
11.6	441 SP 50	300 mm dia. Gate Valve	Each	3	\$ _____	\$ _____
11.7	441 SP 51	Supply and Install 25mm Diameter Water Service	Each	16	\$ _____	\$ _____
11.8	441 SP 52	Commission Watermain	LS	100%		\$ _____
11.9	441 SP 53	Connect to Existing Watermain	Each	5	\$ _____	\$ _____
11.10	441 SP 54	Supply and Install SM Insulation (Provisional)	m	20	\$ _____	\$ _____
11.11	441 SP 71	Supply and Place Two (2) 100mm DB2 PVC Conduits	m	153	\$ _____	\$ _____

**Total Section 11.0  
(Transfer to Page FT-2)**

**\$ \_\_\_\_\_**

**SOUTH STREET RECONSTRUCTION PHASE 2**

**12.0 Road Works**

12.1	206 SP 55	Earth Excavation (PQP)	m <sup>3</sup>	1,378	\$ _____	\$ _____
12.2	314 1010 SP 56	Supply and Place Granular 'B'	tonne	2,570	\$ _____	\$ _____
12.3	314 1010 SP 57	Supply and Place Granular 'A'	tonne	1,140	\$ _____	\$ _____
12.4	314 1010 SP 58	Imported Granular Fill (Provisional)	m <sup>3</sup>	1,000	\$ _____	\$ _____
12.5	310 SP 59	Hot Mix Asphalt – HL4 (60 mm base course)	tonne	350	\$ _____	\$ _____
12.6	310 SP 60	Hot Mix Asphalt – HL3 (40 mm surface course)	tonne	280	\$ _____	\$ _____
12.7	310 SP 61	Hot Mix Miscellaneous	m <sup>2</sup>	377	\$ _____	\$ _____
12.8	353 SP 62	Supply and Install Concrete Barrier Curb and Gutter (OPSD 600.040)	m	386	\$ _____	\$ _____
12.9	351 SP 63	Supply and Install 1.5 m Concrete Sidewalk	m <sup>2</sup>	326	\$ _____	\$ _____
12.10	350 SP 64	Concrete Driveway Restoration	m <sup>2</sup>	57	\$ _____	\$ _____
12.11	351 SP 66	Supply and Install Tactile Plates	Each	4	\$ _____	\$ _____
12.12	802 803 SP 67	Supply and Place Topsoil and Sod	m <sup>2</sup>	1,990	\$ _____	\$ _____
12.13	506 SP 68	Dust Control	LS	100%		\$ _____
12.14	201 SP 69	Subgrade and Boulevard Preparation	LS	100%		\$ _____

**Total Section 12.0  
(Transfer to Page FT-2)**

**SCHEDULE "B"**  
**SCHEDULE OF PROVISIONS, PLANS, STANDARD DRAWINGS,**  
**SPECIFICATIONS AND CONDITIONS**

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The Work specified in the Contract will be performed in strict accordance with the following Provisions, Plans, Specifications and Conditions. In reading, interpreting and applying these specifications, the words "Owner", or "Municipality", shall be substituted for "Ministry of Transportation, Ontario" or "M.T.O.", or "Ministry" where they appear in these documents. In all cases, the proper context shall apply.

- 1. INFORMATION FOR TENDERERS (Abbreviated as IT)**  
Attached as Section A.
- 2. FORM OF TENDER (Abbreviated as FT)**  
Attached as Section B.
- 3. FORM OF AGREEMENT (Abbreviated as FA)**  
Attached as Section C.
- 4. GENERAL CONDITIONS (Abbreviated as GC)**  
Attached as Section D.
- 5. SUPPLEMENTARY GENERAL CONDITIONS (Abbreviated as SGC)**  
Attached as Section E.
- 4. ITEM SPECIAL PROVISIONS (Abbreviated as SP)**  
Attached as Section F.
- 7. STANDARD DRAWINGS**

**List of Ontario Provincial Standard Drawings (O.P.S.D.)**

O.P.S.D.	Rev.	Title
216.021	3	Subdrain Pipe, Connection and Outlet, Urban Section
310.010	3	Concrete Sidewalk
310.033	1	Concrete Sidewalk Ramps at Unsignalized Intersections
310.039	1	Concrete Sidewalk Ramps Tactile Walking Surface Indicator Component
310.050	3	Sidewalk Driveway Entrance Details
350.010	2	Urban, Industrial, Commercial, and Apartment Entrances
351.010	2	Urban Residential Entrance
400.110	3	Catchbasin, Cast Iron, Frame and Flat Overflow Square Grate, Perforated
401.010	4	Maintenance Hole, Cast Iron, Circular Cover and Square Frame
509.010	2	Pavement Reinstatement for Utility Cuts
600.040	2	Concrete Barrier Curb with Standard Gutter
600.110	2	Concrete Barrier Curb
608.010	2	Method of Termination for Concrete Curb with Gutter
701.010	5	Precast Maintenance Hole 1200 mm Diameter
701.011	5	Precast Maintenance Hole 1500 mm Diameter
701.012	5	Precast Maintenance Hole 1800 mm Diameter
701.014	4	Precast Maintenance Hole 3000 mm Diameter



701.021	4	Maintenance Hole Benching and Pipe Opening Details
701.030	4	Precast Maintenance Hole Components 1200mm diameter, Transition Cone and Slabs
701.031	2	Precast Concrete Maintenance Hole Components 1200mm Diameter Risers and Bases
701.032	2	Precast Concrete Maintenance Hole Components 1200mm Diameter Base Slab
701.040	4	Precast Maintenance Hole Components 1500mm diameter, Transition Cone and Slabs
701.041	2	Precast Concrete Maintenance Hole Components 1500mm Diameter Risers and Bases
701.050	4	Precast Maintenance Hole Components 1800mm diameter, Transition Cone and Slabs
701.051	2	Precast Concrete Maintenance Hole Components 1800mm Diameter Risers and Bases
701.070	3	Precast Maintenance Hole Components 3000mm diameter, Transition Cone and Slabs
707.071	2	Precast Concrete Maintenance Hole Components 3000mm Diameter Risers and Bases
704.010	3	Maintenance Hole & Catchbasin Precast Concrete Adjustment Units
705.010	4	Precast Concrete Catchbasin 600 x 600 mm
802.010	3	Flexible Pipe Embedment and Backfill Earth Excavation
809.010	4	Perforated Pipe Subdrain Installation at Main Storm Sewer Structures with Granular Backfill
1006.010	3	Sewer Service Connections for Main Pipe Sewer
1103.010	3	Concrete Thrust Blocks for Horizontal Bends
1103.020	4	Concrete Thrust Blocks for Vertical Bends
1104.010	4	Water Service Connection Detail 20 and 25 mm Diameter Sizes
1105.010	3	Hydrant Installation
1109.011	2	Cathodic Protection for PVC Watermain Systems
2100.050	0	Cable and Duct Protection and Marking
2101.010	1	Duct Installation in Trenches

**9. STANDARD SPECIFICATIONS**

**List of Ontario Provincial Standard Specifications (O.P.S.S.) (not attached)**

<b>Date</b>	<b>Form No.</b>	<b>Title</b>
Nov 18	102	Construction Specification for Weighing of Materials
Apr 19	201	Construction Specification for Clearing, Close Cut Clearing, Grubbing, And Removal of Surface and Piled Boulders
Apr 19	206	Construction Specification for Grading
Nov 17	310	Construction Specification for Hot Mix Asphalt
Nov 19	314	Construction Specification for Untreated Granular, Sub-base, Base, Surface, Shoulder and Stockpiling
Nov 19	351	Construction Specification for Concrete Sidewalk
Nov 19	353	Construction Specification for Concrete Curb and Gutter Systems
Apr 17	402	Construction Specification for Excavating, Backfilling and Compacting for Maintenance Holes, Catch Basins, Ditch Inlets and Valve Chambers
Apr 17	403	Construction Specification for Rock Excavation for Pipelines, Utilities, and Associated Structures in Open Cut
Nov 17	405	Construction Specification for Pipe Subdrains
Nov 15	407	Construction Specification for Maintenance Hole, Catchbasin, Ditch Inlet, and Valve Chamber Installation
Nov 15	408	Construction Specification for Adjusting or Rebuilding Manholes, Catchbasins, Ditch Inlets and Valve Chambers
Nov 17	409	Construction Specification for Closed Circuit Television Inspection of Pipelines

Nov	18	410	Construction Specification for Pipe Sewer Installation in Open Cut
Apr	17	441	Construction Specification for Watermain Installation in Open Cut
Nov	17	501	Construction Specification for Compaction
Nov	17	506	Construction Specification for Dust Suppressants
Nov	18	510	Construction Specification for Removal
Nov	19	511	Construction Specification for Rip Rap, Rock Protection and Gravel Sheeting
Nov	19	802	Construction Specification for Topsoil
Apr	18	803	Construction Specification for Sodding
Nov	14	804	Construction Specification for Seed and Cover
Nov	21	805	Construction Specification for Temporary Erosion and Sediment Control
Nov	21	902	Construction Specification for Excavating and Backfilling – Structures
Nov	19	1350	Concrete – Material and Production

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## 10. PLANS

## a) List of Cobide Engineering Inc. Drawings

Drawing	Rev. #	Rev. Date	Title
10129-TS	1	March 27, 2025	Title Page
10129-C1	1	March 27, 2025	Existing Conditions and Removals Sta. 0+840 to Sta. 1+160
10129-C2	1	March 27, 2025	Existing Conditions and Removals Sta. 1+160 to Sta. 1+494
10129-C3	1	March 27, 2025	South Street Plan and Profile Sta. 0+840 to Sta. 0+970
10129-C4	1	March 27, 2025	South Street Plan and Profile Sta. 0+970 to Sta. 1+100
10129-C5	1	March 27, 2025	South Street Plan and Profile Sta. 1+100 to Sta. 1+230
10129-C6	1	March 27, 2025	SOUTH STREET Plan and Profile Sta. 1+230 to Sta. 1+365
10129-C7	1	March 27, 2025	SOUTH STREET Plan and Profile Sta. 1+365 to Sta. 1+494
10129-C8	1	March 27, 2025	Typical Road Section & Miscellaneous Details 1
10129-C9	1	March 27, 2025	Miscellaneous Details 2
10129-C10	1	March 27, 2025	Miscellaneous Details 3

**TENDERER' S EXPERIENCE**

We declare that we have the following experience in similar work which we have successfully completed:

<b>Year</b>	<b>Description of Contract</b>	<b>For Whom Work Performed</b>	<b>Value</b>

**LIST OF SENIOR STAFF**

We agree to provide the following senior supervisory staff in carrying out the works:

<b>Name</b>	<b>Appointment</b>	<b>Qualifications and Experience</b>

**LIST OF PROPOSED SUB-CONTRACTORS**

**Note to Tenderers:** 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", or by entering N/A for non-applicable, whichever applies. No blank spaces are to be left for the sub-trades listed below. In addition, if the Tenderer proposes to sub-contract a part of the Work which is not listed below, the Tenderer shall add the sub-trade and the proposed sub-contractor's name to the list.

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We acknowledge that failure to comply with the foregoing requirements may result in our tender being rejected as informal.

We shall sub-contract the following parts of the Work to the sub-contractor or supplier listed for such part. We agree not to make changes in the following list without the written consent of the Contract Administrator and the Owner. In our opinion the sub-contractors named hereunder are reliable and competent to perform that part of the Work for which each is listed; however, we agree that the Owner may make changes pursuant to SGC 7. We understand that if we name alternative sub-contractors, or if we fail to name sub-contractors, or if we fail to mention that the Work will be done by our own forces where applicable, our Tender is subject to disqualification.

<b>Part of Work</b>	<b>Sub-Contractor or Supplier</b>	<b>Address</b>
Underground Services	_____	_____
Curb and Gutter and Sidewalk	_____	_____
Asphalt Paving	_____	_____
Precast Concrete Structures	_____	_____
Landscaping	_____	_____

### TIME FOR COMPLETION

We agree to fully complete the Work of this Contract in the following time allotment:

- a) Stipulated Completion Date: **October 3, 2025 – Phase 1**  
**October 2, 2026 – Phase 2**
  
- b) Working Day Allowance:

We acknowledge that the definitions, provisions and requirements of SGC 5 - "Time" and SGC 27 - "Liquidated Damages" shall apply.

### TENDER EXECUTION

We agree that:

- 1) this Tender will be irrevocable until the expiry of the acceptance period stipulated in IT 14 and that failure to leave the Tender so open shall result in forfeiture of the Tender Deposit as liquidated damages; and
- 2) notification of acceptance of this Tender shall be in writing, and may be sent by prepaid post; and if sent by prepaid post, acceptance shall be deemed to have been made on the date of mailing of such notification; and
- 3) the Tender Deposit attached herewith shall be forfeited to the Owner if we fail to provide to the Owner the completed Contract Performance Security and an executed Form of Agreement for the performance of the work within ten (10) working days of the date of award (as defined in IT 19) by the Owner; and
- 4) we will commence the Work as specified in Article 1 of the Form of Agreement, proceed continuously, and complete all Work within the time provided for in the above "Time For Completion"; and
- 5) the Contract Work shall be performed in accordance with the terms and the requirements of the Contract Documents; and
- 6) we and/or our sub-contractors will carry out any additional or extra Work (including the supply of any additional materials or equipment pertaining thereto) or will delete any Work as may be required by the Contract Administrator in accordance with the Contract.

We declare that:

- 1) this Tender is made without any connection, comparison of figures or arrangements with, or knowledge of, any other corporation, firm or person making a Tender for the same Work and is in all respects fair and without collusion or fraud; and
- 2) no member of the Municipal Council, if the Owner is a Municipality, and no officer or employee of the Owner, is or will become interested directly or indirectly as a contracting party, partner, shareholder, surety 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 in any of the monies to be derived there from.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_, 2025.

\_\_\_\_\_  
Name of Witness

\_\_\_\_\_  
NAME OF TENDERER

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
AUTHORIZED SIGNATURE OF TENDERER

\_\_\_\_\_  
TITLE

(Affix  
Corporate  
Seal)

Note: If the Tender is submitted by or on behalf of a corporation, it must be signed in the name of such corporation by the duly authorized officers and the seal of the corporation must be affixed. If the Tender is submitted by or on behalf of an individual or a partnership, a seal must be affixed opposite the signature of the individual or partnership.

**MUNICIPALITY OF WEST GREY**  
**SOUTH STREET RECONSTRUCTION**

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION C**

**FORM OF AGREEMENT**



**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION  
MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**FORM OF AGREEMENT**

THIS AGREEMENT made in triplicate this \_\_\_\_\_ day of \_\_\_\_\_, 2025.

**BETWEEN:**

**MUNICIPALITY OF WEST GREY**  
(hereinafter called the "Owner")

**AND**

\_\_\_\_\_  
(hereinafter called the "Contractor")

**WITNESSETH:**

That the Owner and the Contractor, in consideration of the fulfilment of their respective promises and obligations herein set forth, covenant and agree with each other as follows:

**ARTICLE 1**

The Contractor shall:

- a) provide all of the materials and perform all of the Work to construct SOUTH STREET RECONSTRUCTION (the "Work") shown on the drawings and described in the Contract Documents titled "SOUTH STREET RECONSTRUCTION" and which were prepared by **COBIDE ENGINEERING INC.** acting as, and herein titled the "Engineer" or the "Contract Administrator";
- b) do and fulfil everything indicated by this Contract;
- c) commence the Work within seven days of the date of a written order to do so from the Contract Administrator to the Contractor, as may be provided for by SGC 12.2; and
- d) fully complete, as certified by the Contract Administrator, all the Work within the time for completion allowed in the Contract.

**ARTICLE 2**

In the event that the Tender provides for and contains Contingency Allowances, Provisional or like items, it is understood and agreed that the Contractor is not entitled to payment thereof except for extra or additional work carried out by him in accordance with the Contract and only to the extent of such extra or additional work as authorized by the Contract Administrator in writing.

**ARTICLE 3**

In case of any inconsistency or conflict between the provisions of these Contract Documents and/or Plans, the Order of Precedence of GC 2.02, as modified by SGC 4, shall apply.

**ARTICLE 4**

It is agreed, without restricting in any way any of the provisions of the Contract Documents, that the Contractor shall not, without the consent in writing of the Owner, make any assignment of any part or the whole of any monies due or to become due under the provisions of this Contract.

**ARTICLE 5**

The Owner covenants with the Contractor that the Contractor, having in all respects complied with the provisions of this Contract, will be paid for and in respect of the Work the sum of \_\_\_\_\_

\_\_\_\_\_ subject to Article 2 hereof and subject to such additions and deductions as may properly be made under the terms hereof and subject to the provision that the Owner may make payments on account monthly or otherwise as may be provided in the Contract Documents attached hereto.

**ARTICLE 6**

Where any notice, direction or other communication is required to be or may be given or made by one of the parties hereto to the other or to the Contract Administrator or to his agent, it shall be deemed sufficiently given or made if mailed or delivered in writing to such party or the Contract Administrator at the following addresses:

The Owner:                                   MUNICIPALITY OF WEST GREY  
402813 Grey Road 4  
Durham, ON N0G 1R0  
Tel: 519-369-2200

The Contractor:

The Contract Administrator:           COBIDE ENGINEERING INC.  
517 10<sup>th</sup> Street  
Hanover, Ontario N4N 1R4  
Tel: 519-506-5959  
Attention: Travis Burnside, P.Eng.

Where any such notice, direction or other communication is given or made to the Contract Administrator, a copy thereof shall likewise be delivered to any agent of the Contract Administrator appointed in accordance with the General Conditions of this Contract and where any such notice, direction or other communication is given or made to such agent, a copy thereof shall likewise be delivered to the Contract Administrator.

**ARTICLE 7**

A copy of each of the Information for Tenderers, Form of Tender, General and Supplementary General Conditions, and Special Provisions are hereto annexed and, together with the Plans, Standard Drawings and Standard Specifications relating thereto and listed in the Form of Tender, are made part of this Contract as fully to all intents and purposes as though recited in full herein.

**ARTICLE 8**

No implied Contract of any kind whatsoever by or on behalf of the Owner shall arise or be implied from anything contained in this Contract, nor from any position or situation of the parties at any time, it being clearly understood that the express covenants and agreements herein contained made by the Owner shall be the only covenants and agreements upon which any rights against the Owner may be founded.

**ARTICLE 9**

Time shall be deemed to be of the essence of this Contract.

**ARTICLE 10**

The Contractor declares that, in tendering for the Works and in entering into this Contract, the Contractor has either directly investigated the character of the Work and all local conditions that might affect the Contractor's Tender or the Contractor's acceptance of the Work, or that not having so investigated, the Contractor is willing to assume and does hereby assume all risk of conditions arising or developing 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 Contractor also declares that the Contractor did not and does not rely upon information furnished by any methods whatsoever by the Owner, or by officers or employees of the Owner or of the Contract Administrator, being aware that any information from such sources was and is approximate and speculative only, and was and is not in any manner warranted or guaranteed by the Owner or Engineer, notwithstanding the provisions of GC 2.01 as amended by SGC 3.

**ARTICLE 11**

This Contract shall apply to and be binding on the parties hereto and their successors, administrators, executors and assigns.

**ARTICLE 12**

The duties and obligations imposed by the Contract Documents and the rights and remedies available thereunder shall be in addition to and not a limitation of any duties, obligations, rights and remedies otherwise imposed or available by law.

No action or failure to act by the Owner, Contract Administrator or Contractor shall constitute a waiver or 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.

IN WITNESS WHEREOF the parties hereto have hereunto set their hands and seals the day and year first above written or caused their corporate seals to be affixed, attested by the signature of their proper officers, as the case may be.

	)	
	)	
<u>Witness</u>	)	_____
	)	_____
Signature: _____	)	(affix Corporate Seal)
Print Name: _____	)	
Print Address: _____	)	
	)	
	)	
<u>Witness</u>	)	<u>MUNICIPALITY OF WEST GREY</u>
Signature: _____	)	_____
Print Name: _____	)	_____
Print Address: _____	)	(affix Corporate Seal)
	)	
	)	
	)	
	)	

**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION  
MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**S E C T I O N D**

**GENERAL CONDITIONS**

**(OPSS)**



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**OPSS MUNI GENERAL CONDITIONS OF CONTRACT**

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## **SECTION GC 1.0 - INTERPRETATION**

### **GC 1.01 Captions**

- .01 The captions appearing in these General Conditions have been inserted as a matter of convenience and for ease of reference only and in no way define, limit, or enlarge the scope or meaning of the General Conditions or any provision hereof.
- .02 In the event of a conflict of a reference to the number and caption of a section, subsection, clause, or paragraph, reference shall be made to the caption.

### **GC 1.02 Abbreviations**

- .01 The abbreviations on the left below are commonly found in the Contract Documents and represent the organizations and phrases listed on the right:

AASHTO	- American Association of State Highway Transportation Officials
ACI	- American Concrete Institute
ANSI	- American National Standards Institute
ASTM	- ASTM International
AWG	- American Wire Gauge
AWWA	- American Water Works Association
CCIL	- Canadian Council of Independent Laboratories
CGSB	- Canadian General Standards Board
CSA	- CSA Group - formerly Canadian Standards Association
CWB	- Canadian Welding Bureau
GC	- General Conditions
ISO	- International Organization for Standardization
MECP	- Ontario Ministry of the Environment, Conservation and Parks
MTO	- Ontario Ministry of Transportation
MUTCD	- Manual of Uniform Traffic Control Devices, published by MTO
OHSA	- Ontario <i>Occupational Health and Safety Act</i>
OLS	- Ontario Land Surveyor
OPS	- Ontario Provincial Standard
OPSD	- Ontario Provincial Standard Drawing
OPSS	- Ontario Provincial Standard Specification
OTM	- Ontario Traffic Manual
PEO	- Professional Engineers Ontario
SAE	- SAE International
SCC	- Standards Council of Canada
SSPC	- The Society for Protective Coatings
UL	- Underwriters Laboratories
ULC	- Underwriters Laboratories Canada
WHMIS	- Workplace Hazardous Materials Information System
WSIB	- Workplace Safety & Insurance Board

### **GC 1.03 Gender and Singular References**

- .01 References to the masculine or singular throughout the Contract Documents shall be considered to include the feminine and the plural and vice versa, as the context requires.

### **GC 1.04 Definitions**

- .01 For the purposes of the Contract Documents the following definitions shall apply:

**Abnormal Weather** means an extreme climatic condition characterized by wind speed, air temperature, precipitation, or snow fall depth, that is less than or greater than 1-1/2 standard deviations from the mean determined from the weather records of the 25-year period immediately preceding the tender opening date.

**Actual Measurement** means the field measurement of that quantity within the approved limits of the Work.

**Addenda** means any additions or change in the Tender documents issued by the Owner prior to Tender closing.

**Additional Work** means work not provided for in the Contract Documents and not considered by the Contract Administrator to be essential to the satisfactory completion of the Contract within its intended scope.

**Agreement** means the agreement between the Owner and the Contractor for the performance of the Work that is included in the Contract Documents.

**Base** means a layer of Material of specified type and thickness placed immediately below the pavement, driving surface, finished grade, curb and gutter, or sidewalk.

**Business Day** means any Day except Saturdays, Sundays, and statutory holidays.

**Certificate of Subcontract Completion** means the certificate issued by the Contract Administrator according to clause GC 8.02.04.02, Certification of Subcontract Completion.

**Certificate of Substantial Performance** means the certificate issued by the Contract Administrator at Substantial Performance.

**Change Directive** means any written instruction signed by the Owner, or by the Contract Administrator where so authorized, directing that a Change in the Work or Extra Work be performed.

**Change in the Work** means the deletion, extension, increase, decrease, or alteration of lines; grades; dimensions; quantities; methods; drawings; substantial changes in geotechnical, subsurface, surface, or other conditions; changes in the character of the Work to be done; or Materials of the Work or part thereof, within the intended scope of the Contract.

**Change Order** means a written amendment to the Contract signed by the Contractor and the Owner, or the Contract Administrator where so authorized, covering contingencies, a Change in the Work, Extra Work, Additional Work; and establishing the basis for payment and the time allowed for the adjustment of the Contract Time.

**Completion** means contract completion as set out in the *Construction Act*.

**Completion Certificate** means the certificate issued by the Contract Administrator at Completion.

**Completion Payment** means the payment described more particularly in clause GC 8.02.04.07.

**Construction Act** means as set out in the *Construction Act*, R.S.O. 1990, c. C.30, as amended.

**Constructor** means, for the purposes of, and within the meaning of the *Occupational Health and Safety Act*, R.S.O. 1990, c.O.1, as amended and amendments thereto, the Contractor who executes the Contract.

**Contract** means the undertaking by the Owner and the Contractor to perform their respective duties, responsibilities, and obligations as prescribed in the Contract Documents.

**Contract Administrator** means the person, partnership, or corporation designated by the Owner to be the Owner's representative for the purposes of the Contract.

**Contract Documents** mean the executed Agreement between the Owner and the Contractor, Tender, General Conditions of Contract, Supplemental General Conditions of Contract, Standard Specifications, Special Provisions, Contract Drawings, Addenda incorporated in a Contract Document before the execution of the Agreement, such other documents as may be listed in the Agreement, and subsequent amendments to the Contract Documents made pursuant to the provisions of the Agreement.

**Contract Drawings** or **Contract Plans** mean drawings or plans, any Geotechnical Report, any Subsurface Report, and any other reports and information provided by the Owner for the Work, and without limiting the generality thereof, may include soil profiles, foundation investigation reports, reinforcing steel schedules, aggregate sources list, Quantity Sheets, and cross-sections.

**Contract Time** means the time stipulated in the Contract Documents for Substantial Performance or Completion of the Work, including any extension of time made pursuant to the Contract Documents.

**Contractor** means the person, partnership, or corporation undertaking the Work as identified in the Agreement.

**Control Monument** means any horizontal or vertical (benchmark) monument that is used to lay out the Work.

**Controlling Operation** means any component of the Work that, if delayed, may delay the completion of the Work.

**Cut-Off Date** means the date up to which payment shall be made for Work performed.

**Daily Work Records** mean daily Records detailing the number and categories of workers and hours worked or on standby, types and quantities of Equipment and number of hours in use or on standby, and description and quantities of Material utilized.

**Day** means a calendar day.

**Drawings** or **Plans** mean any Contract Drawings or Contract Plans, or any Working Drawings or Working Plans, or any reproductions of drawings or plans pertaining to the Work.

**End Result Specification** means specifications that require the Contractor to be responsible for supplying a product or part of the Work. The Owner accepts or rejects the final product or applies a price adjustment that is commensurate with the degree of compliance with the specification.

**Engineer** means a professional engineer licenced by the Professional Engineers of Ontario to practice in the Province of Ontario.

**Equipment** means all machinery and equipment used for preparing, fabricating, conveying or erecting the Work and normally referred to as construction machinery and equipment.

**Estimate** means a calculation of the quantity or cost of the Work or part of it depending on the context.

**Extra Work** means work not provided for in the Contract as awarded but considered by the Contract Administrator to be essential to the satisfactory completion of the Contract within its intended scope, including unanticipated Work required to comply with legislation and regulations that affect the Work.

**Final Acceptance** means the date on which the Contract Administrator determines that the Work has passed all inspection and testing requirements and the Contract Administrator is satisfied that the Contractor has rectified all imperfect Work and has discharged all of the Contractor's obligations under the Contract Documents.

**Final Acceptance Certificate** means the certificate issued by the Contract Administrator at Final Acceptance of the Work.

**Final Detailed Statement** means a complete evaluation prepared by the Contract Administrator showing the quantities, unit prices, and final dollar amounts of all items of Work completed under the Contract, including variations in tender items and Extra Work, all as set out in the same general form as the monthly Estimates.

**Geotechnical Report** means a report or other information identifying soil, rock, and ground water conditions in the area of any proposed Work.

**Grade** means the required elevation of that part of the Work.

**Hand Tools** means tools that are commonly called tools or implements of the trade and include small power tools.

**Highway** means a common and public highway any part of which is intended for or used by the general public for the passage of vehicles and includes the area between the lateral property lines thereof.

**Inclement Weather** means weather conditions or conditions resulting directly from weather conditions that prevent the Contractor from proceeding with a Controlling Operation.

**Lot** means a specific quantity of Material or a specific amount of construction normally from a single source and produced by the same process.

**Lump Sum Item** means a tender item indicating a portion of the Work for which payment will be made at a single tendered price. Payment is not based on a measured quantity, although a quantity may be given in the Contract Documents.

**Major Item** means any tender item that has a value, calculated based on its actual or estimated tender quantity, whichever is the larger, multiplied by its tender unit price, which is equal to or greater than the lesser of,

- a) \$100,000, or
- b) 5% of the total tender value calculated based on the total of all the estimated tender quantities and the tender unit prices.

**Material** means Material, machinery, equipment and fixtures forming part of the Work.

**Monument** means either a Property Monument or a Control Monument.

**Owner** means the party to the Contract for whom the Work is being performed, as identified in the Agreement, and includes, with the same meaning and import, "Authority."

**Pavement** means a wearing course or courses placed on the Roadway and consisting of asphaltic concrete, hydraulic cement concrete, Portland cement concrete, or plant or road mixed mulch.

**Performance Bond** means the type of security furnished to the Owner to guarantee completion of the Work according to the Contract and to the extent provided in the bond.

**Plan Quantity** means that quantity as computed from within the boundary lines of the Work as shown in the Contract Documents.

**Project** means the construction of the Work as contemplated by this Contract.

**Proper Invoice** has the meaning as set out in the *Construction Act*.

**Property Monument** means any property bar, concrete pillar, rock post, cut cross or other object that marks the boundary between real property ownership.

**Quality Assurance (QA)** means a system or series of activities carried out by the Owner to ensure that Work meets the specified requirements.

**Quality Control (QC)** means a system or series of activities carried out by the Contractor, Subcontractor, supplier, and manufacturer to ensure that Work meets the specified requirements.

**Quantity Sheet** means a list of the quantities of Work to be done.

**Quarried Rock** means Material removed from an open excavation made in a solid mass of rock that, prior to removal, was integral with the parent mass.

**Quarry** means a place where aggregate has been or is being removed from an open excavation made in a solid mass of igneous, sedimentary, or metamorphic rock or any combination of these that, prior to removal, was integral with the parent areas.

**Rate of Interest** means the prejudgment interest rate determined under subsection 127(2) of the *Courts of Justice Act* or, if the contract or subcontract specifies a different interest rate for the purpose, the greater of the prejudgment interest rate and the interest rate specified in the contract or subcontract.

**Records** mean any books, payrolls, accounts, or other information that relate to the Work or any Change in the Work, Extra Work, Additional Work or claims arising therefrom.

**Roadway** means that part of the Highway designed or intended for use by vehicular traffic and includes the Shoulders.

**Shoulder** means that portion of the Roadway between the edge of the travelled portion of the wearing surface and the top inside edge of the ditch or fill slope.

**Special Provisions** mean directions containing requirements specific to the Work.

**Standard Drawing or Standard Specification** means a standard practice required and stipulated by the Owner for performance of the Work.

**Statutory Holdback** means the holdbacks required under the *Construction Act*.

**Subbase** means a layer of Material of specified type and thickness between the Subgrade and the Base.

**Subcontractor** means a person, partnership or corporation undertaking the execution of a part of the Work by virtue of an agreement with the Contractor.

**Subgrade** means the earth or rock surface, whether in cut or fill, as prepared to support the pavement structure, consisting of Base, Subbase, and Pavement.

**Substantial Performance** has the meaning as set out in the *Construction Act*, R.S.O. 1990, c. C.30, as amended.

**Subsurface Report** means a report or other information identifying the location of Utilities, concealed and adjacent structures, and physical obstructions that fall within the influence of the Work.

**Superintendent** means the Contractor's authorized representative in charge of the Work and who shall be a "competent person" within the meaning of the definition contained in the *Occupational Health and Safety Act*, R.S.O. 1990, c. 0.1, as amended.

**Surety** means the person, partnership or corporation, other than the Contractor, licensed in Ontario to transact business under the *Insurance Act*, R.S.O. 1990, c.1.8, as amended, executing a bond provided by the Contractor.

**Tender** means an offer in writing from the Contractor, submitted in the format prescribed by the Owner, to complete the Work.

**Time and Material** means costs calculated according to clause GC 8.02.05, Payment on a Time and Material Basis.

**Utility** means an aboveground or underground facility maintained by a municipality, public utility authority or regulated authority and includes services such as sanitary sewer, storm sewer, water, electric, gas, oil, steam, data transmission, telephone, and cable television.

**Warranty Period** means the applicable time period according to clause GC 7.16.02, Warranty.

**Work** means the total construction and related services required by the Contract Documents.

**Working Area** means all the lands and easements owned or acquired by the Owner for the construction of the Work.

**Working Day** means any Day,

- a) except Saturdays, Sundays and statutory holidays;
- b) except a Day as determined by the Contract Administrator, on which the Contractor is prevented by inclement weather or conditions resulting immediately therefrom, from proceeding with a Controlling Operation. For the purposes of this definition, this shall be a Day during which the Contractor cannot proceed with at least 60% of the normal labour and Equipment force effectively engaged on the Controlling Operation for at least 5 hours;
- c) except a Day on which the Contractor is prevented from proceeding with a Controlling Operation, as determined by the Contract Administrator by reason of,
  - i. Any breach of the Contract by the Owner or if such prevention is due to the Owner, another contractor hired by the Owner, or an employee of any one of them, or by anyone else acting on behalf of the Owner.
  - ii. Non-delivery of Owner supplied Materials.
  - iii. Any cause beyond the reasonable control of the Contractor that can be substantiated by the Contractor to the satisfaction of the Contract Administrator.

**Working Drawings** or **Working Plans** means any Drawings or Plans prepared by the Contractor for the execution of the Work and may, without limiting the generality thereof, include formwork, falsework, and shoring plans; Roadway protection plans; shop drawings; shop plans; or erection diagrams.

#### **GC 1.05 Ontario Traffic Manual**

- .01 All references in the Contract Documents to the MUTCD, including all Parts and Divisions thereof, or MTO Traffic Control Manual for Roadway Work Operations, or Traffic Control Manual for Roadway Operations Field Edition are hereby deleted and replaced by all currently available books which make up the Ontario Traffic Manual.

#### **GC 1.06 Final Acceptance**

- .01 For the purposes of determining whether Final Acceptance has occurred, the Contract Administrator shall not take into account, in determining the discharge of the Contractor's obligations, any warranty obligation of the Contractor to the extent that the warranty extends beyond 12 months after Substantial Performance.

**GC 1.07****Interpretation of Certain Words**

- .01 The words "acceptable," "approval," "authorized," "considered necessary," "directed," "required," "satisfactory," or words of like import, shall mean approval of, directed, required, considered necessary, or authorized by and acceptable or satisfactory to the Contract Administrator, unless the context clearly indicates otherwise.



## **SECTION GC 2.0 - CONTRACT DOCUMENTS**

### **GC 2.01 Reliance on Contract Documents**

- .01 The Owner warrants that the information furnished in the Contract Documents can be relied upon with the following limitations or exceptions:
- a) Based on available information at the time of the contract, the location of all mainline underground Utilities that may affect the Work shall be shown to a tolerance of:
    - i. 1.0 m horizontal, and
    - ii. 0.3 m vertical
- .02 The Owner does not warrant or make any representation with respect to:
- a) interpretations of data or opinions expressed in any Subsurface Report available for the perusal of the Contractor, that are not included as part of the Contract Documents, and
  - b) other information specifically excluded from this warranty.

### **GC 2.02 Order of Precedence**

- .01 In the event of any inconsistency or conflict in the contents of the following documents, such documents shall take precedence and govern in the following order:
- a) Agreement
  - b) Addenda
  - c) Special Provisions
  - d) Contract Drawings
  - e) Standard Specifications
  - f) Standard Drawings
  - g) Tender
  - h) Supplemental General Conditions
  - i) OPSS.MUNI 100 General Conditions of Contract
  - j) Working Drawings

Later dates shall govern within each of the above categories of documents.

- .02 In the event of any conflict among or inconsistency in the information shown on Drawings, the following rules shall apply:
- a) Dimensions shown in figures on a Drawing shall govern where they differ from dimensions scaled from the same Drawing;
  - b) Drawings of larger scale shall govern over those of smaller scale;
  - c) Detailed Drawings shall govern over general Drawings; and

- d) Drawings of a later date shall govern over those of an earlier date in the same series.
- .03 In the event of any inconsistency or conflict in the contents of Standard Specifications the following descending order of precedence shall govern:
- a) Owner's Standard Specifications
  - b) Ontario Provincial Standard Specifications
  - c) Other standards referenced in OPSSs and OPSDs (e.g., CSA, CGSB, ASTM, and ANSI).
- .04 The Contract Documents are complementary, and what is required by any one shall be as binding as if required by all.

## **SECTION GC 3.0 - ADMINISTRATION OF THE CONTRACT**

### **GC 3.01 Contract Administrator's Authority**

- .01 The Contract Administrator shall be the Owner's representative during construction and until the issuance of the Completion Certificate or the issuance of the Final Acceptance Certificate, whichever is later. All instructions to the Contractor, including instructions from the Owner, shall be issued by the Contract Administrator. The Contract Administrator shall have the authority to act on behalf of the Owner only to the extent provided in the Contract Documents.
- .02 All claims, disputes and other matters in question relating to the performance and the quality of the Work or the interpretation of the Contract Documents shall be referred to the Contract Administrator in writing by the Contractor. The Contract Administrator shall give a decision in writing within a reasonable time.
- .03 The Contract Administrator may inspect the Work for its conformity with the Contract Documents, and to record the necessary data to establish payment quantities under the schedule of tender quantities and unit prices or to assess the value of the Work completed in the case of a lump sum price Contract.
- .04 The Contract Administrator shall provide an estimate of the amounts owing to the Contractor under the Contract as provided for in section GC 8.0, Measurement and Payment.
- .05 The Contract Administrator, to not cause delay in the schedule, shall, with reasonable promptness, review and take appropriate action upon the Contractor's submissions such as shop drawings, product data, and samples according to the Contract Documents. Unless specified otherwise, the Contract Administrator shall respond to submissions requiring approval according to the Contract as soon as possible but not longer than 5 Business Days, or timelines mutually agreed in writing, excluding any requests for extensions of Contract Time.
- .06 The Contract Administrator shall investigate all allegations of a Change in the Work made by the Contractor and issue appropriate instructions.
- .07 The Contract Administrator shall prepare Change Directives and Change Orders for the Owner's approval.
- .08 Upon written application by the Contractor, the Contract Administrator and the Contractor shall jointly conduct an inspection of the Work to establish the date of Substantial Performance of the Work or the date of Completion of the Work or both.
- .09 The Contract Administrator shall be, in the first instance, the interpreter of the Contract Documents and the judge of the performance thereunder by both parties to the Contract. Interpretations and decisions of the Contract Administrator shall be consistent with the intent of the Contract Documents and, in making these decisions, the Contract Administrator shall not show partiality to either party.
- .10 The Contract Administrator shall have the authority to reject any part of the Work or Material that does not conform to the Contract Documents.
- .11 In the event that the Contract Administrator determines that any part of the Work performed by the Contractor is defective, whether the result of poor workmanship the use of defective Material or damage through carelessness or other act or omission of the Contractor and whether or not incorporated in the Work or otherwise fails to conform to the Contract Documents, then the Contractor shall if directed by the Contract Administrator promptly, as directed by the Contract Administrator, remove the Work and replace, make good, or re-execute the Work at no additional cost to the Owner.
- .12 Any part of the Work destroyed or damaged by such removals, replacements, or re-executions shall be made good, promptly, at no additional cost to the Owner.

- .13 If, in the opinion of the Contract Administrator it is not expedient to correct defective Work or Work not performed according to the Contract Documents, the Owner may deduct from monies otherwise due to the Contractor the difference in value between the Work as performed and that called for by the Contract Documents amount that will be determined in the first instance by the Contract Administrator.
- .14 Notwithstanding any inspections made by the Contract Administrator or the issuance of any certificates or the making of any payment by the Owner, the failure of the Contract Administrator to reject any defective Work or Material shall not constitute acceptance of defective Work or Material.
- .15 The Contract Administrator shall have the authority to temporarily suspend the Work for such reasonable time as may be necessary:
- a) to facilitate the checking of any portion of the Contractor's construction layout;
  - b) to facilitate the inspection of any portion of the Work; or
  - c) for the Contractor to remedy its non-compliance with any provisions of the Contract Documents.
- The Contractor shall not be entitled to any compensation for suspension of the Work in these circumstances.
- .16 The Owner has the right to terminate the Contract for wilful or persistent violation by the Contractor or its workers of any applicable laws or bylaws, including but not limited to, the *Occupational Health and Safety Act* legislation and regulations, *Workplace Safety and Insurance Board Act*, and Regulation 347 of the *Environmental Protection Act*.
- .17 If the Contract Administrator determines that any worker employed on the Work is incompetent, as defined by the *Occupational Health and Safety Act*, or is disorderly, then the Contract Administrator shall provide written notice to the Contractor and the Contractor shall immediately remove the worker from the Working Area. Such worker shall not return to the Working Area without the prior written consent of the Contract Administrator.

### **GC 3.02 Working Drawings**

- .01 The Contractor shall arrange for the preparation of clearly identified and dated Working Drawings as called for by the Contract Documents.
- .02 The Contractor, to not cause delay in the Work, shall submit Working Drawings to the Contract Administrator with reasonable promptness and in orderly sequence. If either the Contractor or the Contract Administrator so requests, they shall jointly prepare a schedule fixing the dates for submission and return of Working Drawings. Working Drawings shall be submitted in printed form. At the time of submission, the Contractor shall notify the Contract Administrator in writing of any deviations from the Contract Documents that exist in the Working Drawings.
- .03 The Contract Administrator shall review and return Working Drawings according to an agreed upon schedule, or otherwise, with reasonable promptness so as not to cause delay in any part of the Work.
- .04 The Contract Administrator's review shall be to check for conformity to the design concept and for general arrangement only and such review shall not relieve the Contractor of responsibility for errors or omissions in the Working Drawings or of responsibility for meeting all requirements of the Contract Documents, unless a deviation on the Working Drawings has been approved in writing by the Contract Administrator.
- .05 The Contractor shall make any changes in Working Drawings that the Contract Administrator may require to make the Working Drawings consistent with the Contract Documents and resubmit, unless otherwise directed by the Contract Administrator. When resubmitting, the Contractor shall notify the Contract Administrator in writing of any revisions other than those requested by the Contract Administrator.

- .06 Work related to the Working Drawings shall not proceed until the Working Drawings have been signed and dated by the Contract Administrator.
- .07 The Contractor shall keep one set of the reviewed Working Drawings, marked as above, at the site at all times.

**GC 3.03 Right of the Contract Administrator to Modify Methods and Equipment**

- .01 The Contractor shall, when requested in writing, make alterations in the method, Equipment, or work force at any time the Contract Administrator considers the Contractor's actions to be unsafe, or damaging to either the Work or existing facilities or the environment.
- .02 The Contractor shall, when requested in writing, alter the sequence of its operations on the Contract so as to avoid interference with work being performed by others.
- .03 Notwithstanding the foregoing, the Contractor shall ensure that all necessary safety precautions and protection are maintained throughout the Work.

**GC 3.04 Emergency Situations**

- .01 The Contract Administrator has the right to determine the existence of an emergency situation and, when such an emergency situation is deemed to exist, the Contract Administrator may instruct the Contractor to take action to remedy the situation. If the Contractor does not take timely action or, if the Contractor is not available, the Contract Administrator may direct others to remedy the situation.
- .02 If the emergency situation was the fault of the Contractor, the remedial Work shall be done at the Contractor's expense. If the emergency situation was not the fault of the Contractor, the Owner shall pay for the remedial Work.

**GC 3.05 Layout Information**

- .01 The Contract Administrator shall provide sufficient information, including without limitation, baseline and benchmark information, to facilitate the general location, alignment, elevation and layout of the Work.
- .02 The Contract Administrator shall provide pre and post construction inventories of all Monuments, etc. that are located within the Working Area.
- .03 The Owner shall be responsible only for the correctness of the layout information provided by the Contract Administrator.

**GC 3.06 Extension of Contract Time**

- .01 An application for an extension of Contract Time shall be made in writing by the Contractor to the Contract Administrator as soon as the need for such extension becomes evident and at least 15 Days prior to the expiration of the Contract Time. The application for an extension of Contract Time shall enumerate the reasons and state the length of extension required.
- .02 Circumstances suitable for consideration of an extension of Contract Time include the following:
  - a) Delays: See subsection GC 3.07, Delays.
  - b) Changes in the Work: See clause GC 3.10.01, Change in the Work.
  - c) Extra Work: See clause GC 3.10.02, Extra Work.

- d) Additional Work: See clause GC 3.10.03, Additional Work.
- .03 The Contract Administrator shall, in reviewing an application for an extension to the Contract Time, consider whether the delays, Changes in the Work, Extra Work, or Additional Work involve a Controlling Operation.
- .04 The Contract Time shall be extended for such additional time as may be recommended by the Contract Administrator and deemed fair and reasonable by the Owner.
- .05 The terms and conditions of the Contract shall continue for such extension of Contract Time.

**GC 3.07                      Delays**

- .01 If the Contractor is delayed in the performance of the Work by:
  - a) War, blockades, and civil commotions; or
  - b) Errors in the Contract Documents; or
  - c) An act or omission of the Owner or Contract Administrator, or anyone employed or engaged by them directly or indirectly, contrary to the provisions of the Contract Documents; or
  - d) A stop work order issued by a court or public authority, provided that such order was not issued as the result of an act or omission of the Contractor or anyone employed or engaged by the Contractor directly or indirectly; or
  - e) The Contract Administrator giving notice under section GC 7.0, Suspension of Work; or
  - f) Abnormal Weather provided that in the case of an application for an extension of Contract Time, due to the Abnormal Weather, the Contractor shall, with the Contractor's application, submit evidence from Environment Canada, together with detailed calculations in support of such application; or
  - g) Archaeological finds, according to subsection GC 3.15, Archaeological Finds,
  - h) The presence of species at risk as defined in the *Species at Risk Act* (S.C. 2002, c. 29) and/or the *Endangered Species Act*, S.O. 2007, c. 29 not otherwise identified in the Contract Documents, then, the Contractor shall be granted an extension of Contract Time according to subsection GC 3.06, Extension of Contract Time or Interim Completion Dates, and shall be reimbursed by the Owner for reasonable costs incurred by the Contractor as the result of such delay.
- .02 If the Work is delayed by labour disputes, strikes or lock-outs, including lock-outs decreed or recommended to its members by a recognized contractor's association, of which the Contractor is a member or to which the Contractor is otherwise bound, which are beyond the Contractor's control, then the Contract Time shall be extended according to subsection GC 3.06, Extension of Contract Time.
- .03 In no case shall the extension of Contract Time be less than the time lost as the result of the event causing the delay, unless a shorter extension is agreed to by the Contractor. The Contractor shall not be entitled to payment for costs incurred as the result of such delays unless such delays are the result of actions by the Owner.
- .04 The Contractor shall not be entitled to payment for the cost of delays incurred as a result of a dispute between the Contractor and Owner. The Contractor shall execute the Work and may pursue resolution of the dispute according to subsection GC 3.13, Claims, Negotiations, Mediations.

**GC 3.08                      Assignment of Contract**

.01 The Contractor shall not assign the Contract, either in whole or in part, without the prior written consent of the Owner.

**GC 3.09                      Subcontracting by the Contractor**

.01 Subject to clause GC 3.09.03, Subcontracting by the Contractor, the Contractor may subcontract any part of the Work, according to the Contract Documents and any limitations specified therein.

.02 The Contractor shall notify the Contract Administrator in writing in 10 Days prior to the start of construction of the intention to subcontract. Such notification shall identify the part of the Work, and the Subcontractor with whom it is intended.

.03 The Contract Administrator shall, within 5 Days of receipt of such notification, accept or reject the intended Subcontractor. The rejection shall be in writing and shall include the reasons for the rejection.

.04 The Contractor shall not, without the written consent of the Owner, change a Subcontractor who has been engaged according to with this subsection.

.05 The Contractor shall preserve and protect the rights of the Owner under the Contract Documents with respect to that part of the Work to be performed under subcontract and shall:

- a) Enter into agreements with the intended Subcontractors to require them to perform their Work according to the Contract Documents; and
- b) Be as fully responsible to the Owner for acts and omissions of the Contractor's Subcontractors and of persons directly or indirectly employed by them as for acts and omissions of persons directly employed by the Contractor.

.06 The Owner's consent to subcontracting by the Contractor shall not be construed to relieve the Contractor from any obligation under the Contract and shall not impose any liability upon the Owner. Nothing contained in the Contract Documents shall create a contractual relationship between a Subcontractor and the Owner.

**GC 3.10                      Changes**

**GC 3.10.01                  Changes in the Work**

.01 The Owner, or the Contract Administrator where so authorized, may, by order in writing, make a Change in the Work without invalidating the Contract. The Contractor shall not be required to proceed with a Change in the Work until in receipt of a Change Order or Change Directive. Upon the receipt of such Change Order or Change Directive the Contractor shall proceed with the Change in the Work.

.02 The Contractor may apply for an extension of Contract Time according to the terms of clause GC 3.06, Extension of Contract Time.

.03 If the Change in the Work relates solely to quantities, payment for that part of the Work shall be made according to the conditions specified in clause GC 8.01.02, Variations in Tender Quantities. If the Change in the Work does not solely relate to quantities, then either the Owner or the Contractor may initiate negotiations upwards or downwards for the adjustment of the Contract price in respect of the Change in the Work pursuant to subsection GC 3.13, Claims, Negotiations, Mediation or payment may be made according to the conditions contained in clause GC 8.02.05, Payment on a Time and Material Basis.

**GC 3.10.02                    Extra Work**

- .01 The Owner, or Contract Administrator where so authorized, may instruct the Contractor to perform Extra Work without invalidating the Contract. The Contractor shall not be required to proceed with the Extra Work until in receipt of a Change Order or Change Directive. Upon receipt of such Change Order or Change Directive the Contractor shall proceed with the Extra Work.
- .02 The Contractor may apply for an extension of Contract Time according to the terms of clause GC 3.06, Extension of Contract Time.
- .03 Either the Owner or Contractor may initiate negotiations upwards or downwards for the payment for the Extra Work pursuant to subsection GC 3.13, Claims, Negotiations, Mediation, or payment may be made according to the conditions contained in clause GC 8.02.05, Payment on a Time and Material Basis.

**GC 3.10.03                    Additional Work**

- .01 The Owner, or Contract Administrator where so authorized, may request the Contractor to perform Additional Work without invalidating the Contract. If the Contractor agrees to perform Additional Work, the Contractor shall proceed with such Additional Work upon receipt of a Change Order.
- .02 The Contractor may apply for an extension of Contract Time according to the terms of subsection GC 3.06, Extension of Contract Time.
- .03 Payment for the Additional Work may be negotiated pursuant to subsection GC 3.13, Claims, Negotiations, Mediation, or payment may be made according to the conditions contained in clause GC 8.02.05, Payment on a Time and Material Basis.

**GC 3.11                        Notices**

- .01 Any notice permitted or required to be given to the Contract Administrator or the Superintendent in respect of the Work shall be deemed to have been given to and received by the addressee on the date of delivery if delivered by hand, email, or by facsimile transmission and on the fifth Day after the date of mailing, if sent by mail.
- .02 The Contractor and the Owner shall provide each other with the mail and email addresses; cell phone, and telephone numbers for the Contract Administrator and the Superintendent at the commencement of the Work, and update as necessary.
- .03 In the event of an emergency situation or other urgent matter the Contract Administrator or the Superintendent may give a verbal notice, provided that such notice is confirmed in writing within 2 Days.
- .04 Any notice permitted or required to be given to the Owner or the Contractor shall be given according to the notice provision of the Contract.

**GC 3.12                        Use and Occupancy of the Work Prior to Substantial Performance**

- .01 Where it is not contemplated elsewhere in the Contract Documents, the Owner may use or occupy the Work or any part thereof prior to Substantial Performance, provided that at least 30 Days written notice has been given to the Contractor.
- .02 The use or occupancy of the Work or any part thereof by the Owner prior to Substantial Performance shall not constitute an acceptance of the Work or parts so occupied. In addition, the use or occupancy of the Work shall not relieve the Contractor or the Contractor's Surety from any liability that has arisen, or may arise, from the performance of the Work according to the Contract Documents. The Owner shall be responsible for any damage that occurs because of the Owner's use or occupancy. Such use or



occupancy of any part of the Work by the Owner does not waive the Owner's right to charge the Contractor liquidated damages according to the terms of the Contract.

**GC 3.13 Claims, Negotiations, Mediation**

**GC 3.13.01 Continuance of the Work**

- .01 Unless the Contract has been terminated or completed, the Contractor shall in every case, after serving or receiving any notification of a claim or dispute, verbal or written, continue to proceed with the Work with due diligence and expedition. It is understood by the parties that such action shall not jeopardize any claim it may have.

**GC 3.13.02 Record Keeping**

- .01 Immediately upon commencing Work that may result in a claim, the Contractor shall keep Daily Work Records during the course of the Work, sufficient to substantiate the Contractor's claim, and the Contract Administrator shall keep Daily Work Records to be used in assessing the Contractor's claim, all according to clause GC 8.02.07, Records.
- .02 The Contractor and the Contract Administrator shall attempt to reconcile their respective Daily Work Records on a daily basis, to simplify review of the claim, when submitted. If the Contractor and the Contract Administrator fail to reconcile their respective Daily Work Records, then the Contractor shall submit its Daily Work Records as part of its claim, whereby the resolution of the dispute about the Daily Work Records shall not be resolved until there is a resolution of the claim.
- .03 The keeping of Daily Work Records by the Contract Administrator or the reconciling of such Daily Work Records with those of the Contractor shall not be construed to be acceptance of the claim.

**GC 3.13.03 Claims Procedure**

- .01 The Contractor shall give verbal notice of any situation that may lead to a claim for additional payment immediately upon becoming aware of the situation.
- .02 The Contractor shall provide written notice within 7 Days of the commencement of any part of the Work that may be affected by the situation.
- .03 The Contractor shall submit detailed claims as soon as reasonably possible and in any event no later than 30 Days or such time as mutually agreed after completion of the Work affected by the situation. The detailed claim shall:
  - a) Identify the item or items in respect of which the claim arises;
  - b) State the grounds, contractual or otherwise, upon which the claim is made; and
  - c) Include the Records maintained by the Contractor supporting such claim.
- .04 Within 30 Days of the receipt of the Contractor's detailed claim, the Contract Administrator may request the Contractor to submit any further and other particulars as the Contract Administrator considers necessary to assess the claim. The Contractor shall submit the requested information within 30 Days of receipt of such request.
- .05 Within 90 Days of receipt of the detailed claim, the Contract Administrator shall advise the Contractor, in writing, of the Contract Administrator's opinion regarding the validity of the claim.

**GC 3.13.04                      Negotiations**

- .01 The parties shall make all reasonable efforts to resolve their dispute by amicable negotiations and agree to provide, without prejudice, open and timely disclosure of relevant facts, information, and documents to facilitate these negotiations.
- .02 Should the Contractor disagree with the opinion given in clause GC 3.13.03.05, with respect to any part of the claim, the Contract Administrator shall enter into negotiations with the Contractor to resolve the matters in dispute. Where a negotiated settlement cannot be reached and it is agreed that payment cannot be made on a Time and Material basis according to clause GC 8.02.05, Payment on a Time and Material Basis, the parties shall proceed according to clause GC 3.13.05, Mediation, or subsection GC 3.14, Arbitration.
- .03 Prior to the expiry of 30 Business Days from the date of receipt of the Contractors claim, the Contract Administrator shall provide a written response to the Contractor stating the Contract Administrator's final price for the Change Order and an explanation of the rationale and basis of the Contract Administrator's position which shall be deemed to be the initial site response.

**GC 3.13.05                      Mediation**

- .01 If a claim is not resolved satisfactorily through the negotiation stage noted in clause GC 3.13.04, Negotiations, within a period of 30 Days following the opinion given in clause GC 3.13.03.05, and the Contractor wishes to pursue the issue further, the parties may, upon mutual agreement, utilize the services of an independent third-party mediator.
- .02 The mediator shall be mutually agreed upon by the Owner and Contractor.
- .03 The mediator shall be knowledgeable regarding the area of the disputed issue. The mediator shall meet with the parties together or separately, as necessary, to review all aspects of the issue. In a final attempt to assist the parties in resolving the issue themselves prior to proceeding to arbitration the mediator shall provide, without prejudice, a non-binding recommendation for settlement.
- .04 The review by the mediator shall be completed within 90 Days following the opinion given in clause GC 3.13.03.05.
- .05 Each party is responsible for its own costs related to the use of the mediation process. The cost of the third-party mediator shall be equally shared by the Owner and Contractor.

**GC 3.13.06                      Payment**

- .01 Payment of the claim shall be made no later than 28 Days after the date of resolution of the claim or dispute. Such payment shall be made according to the terms of section GC 8.0, Measurement and Payment.

**GC 3.13.07                      Rights of Both Parties**

- .01 It is agreed that no action taken under subsection GC 3.13, Claims, Negotiations, Mediation, by either party shall be construed as a renunciation or waiver of any of the rights or recourse available to the parties, provided that the requirements set out in this subsection are fulfilled.
- .02 It is further agreed that the parties may at any time resort to the adjudication procedure contained in the *Construction Act*.

**GC 3.14                      Arbitration**

**GC 3.14.01                      Conditions of Arbitration**

- .01 If a claim is not resolved satisfactorily through the negotiation stage noted in clause GC 3.13.04, Negotiations, or the mediation stage noted in clause GC 3.13.05, Mediation, either party may invoke the provisions of subsection GC 3.14, Arbitration, by giving written notice to the other party.
- .02 Notification that arbitration shall be implemented to resolve the issue shall be communicated in writing as soon as possible and no later than 60 Days following the opinion given in clause GC 3.13.03.05. Where the use of a third-party mediator was implemented, notification shall be within 120 Days of the opinion given in clause GC 3.13.03.05.
- .03 The parties shall be bound by the decision of the arbitrator.
- .04 The rules and procedures of the *Arbitration Act*, 1991, S.O. 1991, c.17, as amended, shall apply to any arbitration conducted hereunder except to the extent that they are modified by the express provisions of subsection GC 3.14, Arbitration.

**GC 3.14.02                      Arbitration Procedure**

- .01 The following provisions are to be included in the agreement to arbitrate and are subject only to such right of appeal as exist where the arbitrator has exceeded their jurisdiction or have otherwise disqualified themselves:
  - a) All existing actions in respect of the matters under arbitration shall be stayed pending arbitration;
  - b) All outstanding claims and matters to be settled are to be set out in a schedule to the agreement. Only such claims and matters as are in the schedule shall be arbitrated; and
  - c) Before proceeding with the arbitration, the Contractor shall confirm that all matters in dispute are set out in the schedule.

**GC 3.14.03                      Appointment of Arbitrator**

- .01 The arbitrator shall be mutually agreed upon by the Owner and Contractor to adjudicate the dispute.
- .02 Where the Owner and Contractor cannot agree on a sole arbitrator within 30 Days of the notification of arbitration noted in clause GC 3.14.01.02, the Owner and the Contractor shall each choose an appointee within 37 Days of the notice of arbitration.
- .03 The appointees shall mutually agree upon an arbitrator to adjudicate the dispute within 15 Days after the last appointee was chosen or they shall refer the matter to the ADR Institute of Ontario (ADRIO), which may select an arbitrator to adjudicate the dispute within 7 Days of being requested to do so.
- .04 The arbitrator shall not be interested financially in the Contract nor in either party's business and shall not be employed by either party.
- .05 The arbitrator may appoint independent experts and any other persons to assist them.
- .06 The arbitrator is not bound by the rules of evidence that govern the trial of cases in court but may hear and consider any evidence that the arbitrator considers relevant.
- .07 The hearing shall commence within 90 Days of the appointment of the arbitrator.

**GC 3.14.04                      Costs**

- .01 The arbitrator's fee shall be equally shared by the Owner and the Contractor.
- .02 The fees of any independent experts and any other persons appointed to assist the arbitrator shall be shared equally by the Owner and the Contractor.
- .03 The arbitration hearing shall be held in a place mutually agreed upon by both parties or in the event the parties do not agree, a site shall be chosen by the arbitrator. The cost of obtaining appropriate facilities shall be shared equally by the Owner and the Contractor.
- .04 The arbitrator may, in their discretion, award reasonable costs, related to the arbitration.

**GC 3.14.05                      The Decision**

- .01 The reasoned decision shall be made in writing within 90 Days of the conclusion of the hearing. An extension of time to make a decision may be granted with consent of both parties. Payment shall be made according to clause GC 3.13.06, Payment.

**GC 3.15                              Archaeological Finds**

- .01 If the Contractor's operations expose any items that may indicate an archaeological find, such as but not limited to building remains, hardware, accumulations of bones, pottery, or arrowheads, the Contractor shall immediately notify the Contract Administrator and suspend operations within the area identified by the Contract Administrator. Notification may be verbal provided that such notice is confirmed in writing within 2 Days. Work shall remain suspended within that area until otherwise directed by the Contract Administrator in writing, according to subsection GC 7.09, Suspension of Work.
- .02 Any delay in the completion of the Contract that is caused by such a suspension of Work shall be considered to be beyond the Contractor's control according to clause GC 3.07.01.
- .03 Any Work directed or authorized in connection with an archaeological find shall be considered as Extra Work according to clause GC 3.10.02, Extra Work.
- .04 The Contractor shall take all reasonable action to minimize additional costs that may accrue as a result of any work stoppage.

## **SECTION GC 4.0 - OWNER'S RESPONSIBILITIES AND RIGHTS**

### **GC 4.01 Working Area**

- .01 The Owner shall acquire all property rights that are deemed necessary by the Owner for the construction of the Work, including temporary working easements, and shall indicate the full extent of the Working Area on the Contract Drawings.

### **GC 4.02 Approvals and Permits**

- .01 The Owner shall pay for all plumbing and building permits.
- .02 The Owner shall obtain and pay for all permits, licences, and certificates solely required for the design of the Work.

### **GC 4.03 Management and Disposition of Materials**

- .01 The Owner shall identify in the Contract Documents the Materials to be moved within or removed from the Working Area and any characteristics of those Materials that necessitates special Materials management and disposition.
- .02 According to regulations under the *Occupational Health and Safety Act*, R.S.O. 1990, c.O.1, as amended, the Owner advises that:
- a) The designated substances silica, lead, and arsenic are generally present throughout the Working Area occurring naturally or as a result of vehicle emissions;
  - b) The designated substance asbestos may be present in cement products, asphalt, and conduits for Utilities;
  - c) The following hazardous materials are ordinarily present in construction activities: limestone, gypsum, marble, mica, and Portland cement; and
  - d) Exposure to these substances may occur as a result of activities by the Contractor such as sweeping, grinding, crushing, drilling, blasting, cutting, and abrasive blasting.
- .03 The Owner shall identify in the Contract Documents any designated substances or hazardous materials other than those identified above and their location in the Working Area.
- .04 If the Owner or Contractor discovers or is advised of the presence of designated substances or hazardous Materials that are in addition to those listed in clause GC 4.03.02, or not clearly identified in the Contract Documents according to clause GC 4.03.03, then verbal notice shall be provided to the other party immediately with written confirmation within 2 Days. The Contractor shall stop Work in the area immediately and shall determine the necessary steps required to complete the Work according to applicable legislation and regulations.
- .05 The Owner shall be responsible for any reasonable additional costs of removing, managing and disposing of any Material not identified in the Contract Documents, or where conditions exist that could not have been reasonably foreseen at the time of tendering. All work under this paragraph shall be deemed to be Extra Work.
- .06 Prior to commencement of the Work, the Owner shall provide to the Contractor a list of those products controlled under the Workplace Hazardous Materials Information System (WHMIS), that the Owner may supply or use on the Contract, together with copies of the Safety Data Sheets for these products. All containers used in the application of products controlled under WHMIS shall be labelled. The Owner shall notify the Contractor in writing of changes to the list and provide relevant Safety Data Sheets.

- .07 Unless expressly permitted in the Contract Documents, the Contractor shall not bring onto the Work Area any designated substance or hazardous Material per OSHA without the prior written authorization of the Contract Administrator.
- .08 The Contractor shall use all reasonable care to avoid spilling or disturbing any designated substances or hazardous Material per OSHA.

**GC 4.04 Construction Affecting Railway Property**

- .01 The Owner shall pay the costs of all flagging and other traffic control measures required and provided by the railway company unless such costs are solely a function of the Contractor's chosen method of completing the Work.
- .02 Every precaution shall be taken by the Contractor to protect all railway property at track crossings; or otherwise, on which construction operations are to take place according to the terms of this Contract.
- .03 The Contractor shall be required to conduct the construction operations in such a manner as to avoid a possibility of damaging any railway property in the vicinity of the Works. Every reasonable precaution shall be taken by the Contractor to ensure the safety of the workers, Subcontractors, and Equipment, as well as railway property throughout the duration of the Contract.

**GC 4.05 Default by the Contractor**

- .01 If the Contractor fails to commence the Work within 14 Days of a formal order to commence Work signed by the Contract Administrator or, upon commencement of the Work, should neglect to prosecute the Work properly or otherwise fails to comply with the requirements of the Contract and, if the Contract Administrator has given a written statement to the Owner and Contractor that sufficient cause exists to justify such action, the Owner may, without prejudice to any other right or remedy the Owner may have, notify the Contractor in writing that the Contractor is in default of the Contractor's contractual obligations and instruct the Contractor to correct the default in the 5 Working Days immediately following the receipt of such notice.
- .02 If the Contractor is adjudged bankrupt, or makes a general assignment for the benefit of creditors because of the Contractor's insolvency or if a receiver is appointed because of the Contractor's insolvency, the Owner may, without prejudice to any other right or remedy the Owner may have, by giving the Contractor or receiver or trustee in bankruptcy notice in writing, terminate the Contract.

**GC 4.06 Contractor's Right to Correct a Default**

- .01 The Contractor shall have the right within the 5 Working Days following the receipt of a notice of default to correct the default and provide the Owner with satisfactory proof that appropriate corrective measures have been taken.
- .02 If the Owner determines that the correction of the default cannot be completed within the 5 Working Days following receipt of the notice, the Contractor shall not be in default if the Contractor:
  - a) Commences the correction of the default within the 5 Working Days following receipt of the notice;
  - b) Provides the Owner with a schedule acceptable to the Owner for the progress of such correction; and
  - c) Completes the correction according to such schedule.

**GC 4.07                      Owner's Right to Correct Default**

.01 If the Contractor fails to correct the default within the time specified in subsection GC 4.06, Contractor's Right to Correct a Default, or subsequently agreed upon, the Owner, without prejudice to any other right or remedy the Owner may have, may correct such default and deduct the cost thereof, as certified by the Contract Administrator, from any payment then or thereafter due to the Contractor.

**GC 4.08                      Termination of Contractor's Right to Continue the Work**

.01 Where the Contractor fails to correct a default within the time specified in subsection GC 4.06, Contractor's Right to Correct a Default, or subsequently agreed upon, the Owner, without prejudice to any other right or remedy the Owner may have, may terminate the Contractor's right to continue the Work in whole or in part by giving written notice to the Contractor.

.02 If the Owner terminates the Contractor's right to continue with the Work in whole or in part, the Owner shall be entitled to:

- a) Take possession of the Working Area or that portion of the Working Area devoted to that part of the Work terminated;
- b) Utilize any Material within the Working Area;
- c) Withhold further payments to the Contractor with respect to the Work or the portion of the Work withdrawn from the Contractor until the Work or portion thereof withdrawn is completed;
- d) Charge the Contractor the additional cost over the Contract price of completing the Work or portion thereof withdrawn from the Contractor, as certified by the Contract Administrator and any additional compensation paid to the Contract Administrator for such additional service arising from the correction of the default;
- e) Charge the Contractor a reasonable allowance, as determined by the Contract Administrator, to cover correction to the Work performed by the Contractor that may be required under subsection GC 7.16, Warranty;
- f) Charge the Contractor for any damages the Owner sustained as a result of the default; and
- g) Charge the Contractor the amount by which the cost of corrections to the Work under subsection GC 7.16, Warranty, exceeds the allowance provided for such corrections.

**GC 4.09                      Final Payment to Contractor**

.01 If the Owner's cost to correct and complete the Work in whole or in part is less than the amount withheld from the Contractor under subsection GC 4.08, Termination of Contractor's Right to Continue the Work, the Owner shall pay the balance to the Contractor as soon as the final accounting for the Contract is complete.

**GC 4.10                      Termination of the Contract**

.01 Where the Contractor is in default of the Contract the Owner shall, without prejudice to any other right or remedy the Owner may have, terminate the Contract by giving written notice of termination to the Contractor, the Surety, and any trustee or receiver acting on behalf of the Contractor's estate or creditors.

.02 If the Owner elects to terminate the Contract, the Owner shall provide the Contractor and the trustee or receiver with a complete accounting to the date of termination.

**GC 4.11**                      **Continuation of Contractor's Obligations**

.01 The Contractor's obligation under the Contract as to quality, correction, and warranty of the Work performed prior to the time of termination of the Contract or termination of the Contractor's right to continue with the Work in whole or in part shall continue to be in force after such termination.

**GC 4.12**                      **Use of Performance Bond**

.01 If the Contractor is in default of the Contract and the Contractor has provided a Performance Bond, the provisions of section GC 4.0, Owner's Responsibilities and Rights, shall be exercised according to the conditions of the Performance Bond.

**GC 4.13**                      **Payment Adjustment**

.01 If any situation should occur in the performance of the Work that would result in a Change in the Work, the Owner shall be entitled to an adjustment and those adjustments shall be managed according to clause GC 3.10.01, Changes in the Work.



## **SECTION GC 5.0 - MATERIAL**

### **GC 5.01 Supply of Material**

- .01 All Material necessary for the proper completion of the Work, except that listed as being supplied by the Owner, shall be supplied by the Contractor. The Contract price for the appropriate tender items shall be deemed to include full compensation for the supply and delivery of such Material.

### **GC 5.02 Quality of Material**

- .01 All Material supplied by the Contractor shall be new, unless otherwise specified in the Contract Documents.
- .02 Material supplied by the Contractor shall conform to the requirements of the Contract.
- .03 As specified in the Contract Documents or as requested by the Contract Administrator, the Contractor shall make available, for inspection or testing, a sample of any Material to be supplied by the Contractor.
- .04 The Contractor shall obtain for the Contract Administrator the right to enter onto the premises of the Material manufacturer or supplier to carry out such inspection, sampling, and testing as specified in the Contract Documents or as requested by the Contract Administrator.
- .05 The Contractor shall notify the Contract Administrator of the sources of supply sufficiently in advance of the Material shipping dates to enable the Contract Administrator to perform the required inspection, sampling, and testing.
- .06 The Owner shall not be responsible for any delays to the Contractor's operations where the Contractor fails to give sufficient advance notice to the Contract Administrator to enable the Contract Administrator to carry out the required inspection, sampling, and testing before the scheduled shipping date.
- .07 The Contractor shall not change the source of supply of any Material without the written authorization of the Contract Administrator.
- .08 Material that is not specified shall be of a quality best suited to the purpose required, and the use of such Material shall be subject to the approval of the Contract Administrator.
- .09 All Material inspection, sampling, and testing shall be carried out on random basis according to the standard inspection or testing methods required for the Material. Any approval given by the Contract Administrator for the Materials to be used in the Work based upon the random method shall not relieve the Contractor from the responsibility of incorporating Material that conforms to the Contract Documents into the Work or properly performing the Contract and of any liability arising from the failure to properly perform as specified in the Contract Documents.

### **GC 5.03 Rejected Material**

- .01 Rejected Material shall be removed from the Working Area expeditiously after the notification to that effect from the Contract Administrator. Where the Contractor fails to comply with such notice, the Contract Administrator may cause the rejected Material to be removed from the Working Area and disposed of, in what the Contract Administrator considers to be the most appropriate manner, and the Contractor shall pay the costs of disposal and the appropriate overhead charges.

### **GC 5.04 Substitutions**

- .01 Where the Contract Documents require the Contractor to supply a Material designated by a trade or other name, the Tender shall be based only upon supply of the Material so designated, that shall be regarded as the standard of quality required by the Contract Documents. After the acceptance of the Tender, the

Contractor may apply to the Contract Administrator to substitute another Material identified by a different trade or other name for the Material designated as aforesaid. The application shall be in writing and shall state the price for the proposed substitute Material designated as aforesaid, and such other information as the Contract Administrator may require.

- .02 Rulings on a proposed substitution shall not be made prior to the acceptance of the Tender. Substitutions shall not be made without the prior approval of the Contract Administrator. The approval or rejection of a proposed substitution shall be at the discretion of the Contract Administrator.
- .03 If the proposed substitution is approved by the Contract Administrator, the Contractor shall be entitled to the first \$1,000 of the aggregate saving in cost by reason of such substitution and to 50% of any additional saving in cost in excess of such \$1,000. Each such approval shall be conveyed to the Contractor in writing or by issuance of a Certificate of Equality on the Owner's standard form of "Certification of Equality" and, if any adjustment to the Contract price is made by reason of such substitution, a Change Order shall be issued as well.

**GC 5.05                      Owner Supplied Material**

**GC 5.05.01                Ordering of Excess Material**

- .01 Where Material is supplied by the Owner and where this Material is ordered by the Contractor in excess of the amount specified to complete the Work, such excess Material shall become the property of the Contractor on completion of the Work and shall be charged to the Contractor at cost plus applicable overheads.

**GC 5.05.02                Care of Material**

- .01 The Contractor shall, in advance of receipt of shipments of Material supplied by the Owner, provide adequate and proper storage facilities acceptable to the Contract Administrator, and on the receipt of such Material shall promptly place it in storage except where it is to be incorporated forthwith into the Work.
- .02 The Contractor shall be responsible for acceptance of Material supplied by the Owner, at the specified delivery point and for its safe handling and storage. If such Material is damaged while under the control of the Contractor, it shall be replaced or repaired by the Contractor at no expense to the Owner, and to the satisfaction of the Contract Administrator. If such Material is rejected by the Contract Administrator for reasons that are not the fault of the Contractor, it shall remain in the care and at the risk of the Contractor until its disposition has been determined by the Contract Administrator.
- .03 Where Material supplied by the Owner arrives at the delivery point in a damaged condition or where there are discrepancies between the quantities received and the quantities shown on the bills of lading, the Contractor shall immediately report such damage or discrepancies to the Contract Administrator who shall arrange for an immediate inspection of the shipment and provide the Contractor with a written release from responsibility for such damage or deficiencies. Where damage or deficiencies are not so reported, it shall be assumed that the shipment arrived in good condition and order, and any damage or deficiencies reported thereafter shall be made good by the Contractor at no extra cost to the Owner.
- .04 The full amount of Material supplied by the Owner in each shipment shall be accounted for by the Contractor and such Material shall be at the risk of the Contractor after taking delivery. Such Material shall not, except with the written permission of the Contract Administrator, be used by the Contractor for purposes other than the performance of the Work under the Contract.
- .05 Empty reels, crates, containers, and other type of packaging from Material supplied by the Owner shall become the property of the Contractor when they are no longer required for their original purpose and shall be disposed of by the Contractor at the Contractor's expense unless otherwise specified in the Contract Documents.

- .06 Immediately upon receipt of each shipment, the Contractor shall provide the Contract Administrator copies of bills of lading, or such other documentation the Contract Administrator may require to substantiate and reconcile the quantities of Material received.
- .07 Where Material supplied by the Owner is ordered and stockpiled prior to the award of the Contract, the Contractor shall, at no extra cost to the Owner, immediately upon commencement of operations, check the Material, report any damage or deficiencies to the Contract Administrator and take charge of the Material at the stockpile site. Where damage or deficiencies are not so recorded by the Contractor, it shall be assumed that the stockpile was in good condition and order when the Contractor took charge of it, and any damage or deficiencies reported thereafter shall be made good by the Contractor at no extra cost to the Owner.

## **SECTION GC 6.0 - INSURANCE, PROTECTION AND DAMAGE**

### **GC 6.01 Protection of Work, Persons and Property**

- .01 The Contractor, the Contractor's agents, and all workers employed by or under the control of the Contractor, including Subcontractors, shall protect the Work, persons, and property from damage or injury. The Contractor shall be responsible for all losses and damage that may arise as the result of the Contractor's operations under the Contract, unless indicated to the contrary below.
- .02 The Contractor is responsible for the full cost of any necessary temporary protective Work and the restoration of all damage where the Contractor damages the Work or property in the performance of the Contract. If the Contractor is not responsible for the damage that occurs to the Work or property, the Contractor shall restore such damage, and such Work and payment shall be administered according to these General Conditions.
- .03 The Contractor shall immediately inform the Contract Administrator of all damage and injuries that occur during the term of the Contract. The Contractor shall then investigate and report back to the Contract Administrator within 15 Days of occurrence of incident, or as soon as possible. The Contract Administrator may conduct its own investigation and the Contractor shall provide all assistance to the Contract Administrator as may be necessary for that purpose.
- .04 The Contractor shall not be responsible for loss and damage that occurs as a result of:
  - a) War;
  - b) Blockades and civil commotions;
  - c) Errors in the Contract Documents; or
  - d) Acts or omissions of the Owner, the Contract Administrator, their agents and employees, or others not under the control of the Contractor, but within the Working Area with the Owner's permission.
- .05 The Contractor and the Contractor's Surety shall not be released from any term or provision of any responsibility, obligation, or liability under the Contract or waive or impair any of the rights of the Owner, except by a release duly executed by the Owner.

### **GC 6.02 Indemnification**

- .01 The Contractor shall indemnify and hold harmless the Owner and the Contract Administrator, their elected officials, agents, officers, and employees from and against all claims, demands, losses, expenses, costs, damages, actions, suits, or proceedings by third parties, hereinafter called "claims", directly or indirectly arising or alleged to arise out of the performance of or the failure to perform the Work, provided such claims are:
  - a) Attributable to bodily injury, sickness, disease, or death or to damage to or destruction of tangible property;
  - b) Caused by negligent acts or omissions of the Contractor or anyone for whose acts the Contractor may be liable; and
  - c) Made in writing within a period of 6 years from the date of Substantial Performance of the Work as set out in the Certificate of Substantial Performance of the Work or, where so specified in the Contract Documents, from the date of certification of Final Acceptance.

- .02 The Contractor shall indemnify and hold harmless the Owner from all and every claim for damages, royalties or fees for the infringement of any patented invention or copyright occasioned by the Contractor in connection with the Work performed or Material furnished by the Contractor under the Contract.
- .03 The Owner expressly waives the right to indemnity for claims other than those stated in clauses GC 6.02.01 and GC 6.02.02.
- .04 The Owner shall indemnify and hold harmless the Contractor, their elected officials, agents, officers, and employees from and against all claims, demands, losses, expenses, costs, damages, actions, suits, or proceedings arising out of the Contractor's performance of the Contract that are attributable to a lack of or defect in title or an alleged lack of or defect in title to the Working Area.
- .05 The Contractor expressly waives the right to indemnity for claims other than those stated in clause GC 6.02.04.

**GC 6.03 Contractor's Insurance**

**GC 6.03.01 General**

- .01 Without restricting the generality of subsection GC 6.02, Indemnification, the Contractor shall provide, maintain, and pay for the insurance coverages listed under clauses GC 6.03.02 and GC 6.03.03. Insurance coverage in clauses GC 6.03.04, GC 6.03.05, and GC 6.03.06 shall only apply when so specified in the Contract Documents.
- .02 The Contractor shall provide the Contract Administrator with an original Certificate of Insurance for each type of insurance coverage that is required by the Contract Documents. The Contractor shall ensure that the Contract Administrator is, at all times in receipt of a valid Certificate of Insurance for each type of insurance coverage, in such amounts as specified in the Contract Documents. The Contractor will not be permitted to commence Work until the Contract Administrator is in receipt of such proof of insurance. The Contract Administrator may withhold payments of monies due to the Contractor until the Contractor has provided the Contract Administrator with original valid Certificates of Insurance as required by the provisions of the Contract Documents.

**GC 6.03.02 Commercial General Liability Insurance**

- .01 Commercial General Liability Insurance shall be in the name of the Contractor, with the Owner and the Contract Administrator named as additional insureds, with limits of not less than \$5,000,000 inclusive per occurrence for bodily injury, death, and damage to property including loss of use thereof. The insurance shall be provided in a form acceptable to the Owner.
- .02 Approval of this insurance shall be conditional upon the Contractor obtaining the services of an insurer licensed to underwrite insurance in the Province of Ontario and obtaining the insurer's certificate of equivalency to the required insurance.
- .03 The Contractor shall submit annually to the Owner, proof of continuation of the completed operations coverage and, if the Contractor fails to do so, the limitation period for claiming indemnity described in clause GC 6.02.01 c), shall not be binding on the Owner.
- .04 Should the Contractor decide not to employ Subcontractors for operations requiring the use of explosives for blasting, pile driving or caisson work, removal or weakening of support of property building or land, the Commercial General Liability Insurance shall include the appropriate endorsements.
- .05 The policies shall be endorsed to provide the Owner with not less than 30 Days written notice in advance of cancellation, termination, or material change.
- .06 "Claims Made" insurance policies shall not be permitted.

**GC 6.03.03                    Automobile Liability Insurance**

.01    Automobile liability insurance in respect of licensed vehicles shall have limits of not less than \$5,000,000 inclusive per occurrence for bodily injury, death and damage to property, in the following forms endorsed to provide the Owner with not less than 30 Days written notice in advance of any cancellation, termination, or material change:

- a)    Standard non-owned automobile policy including standard contractual liability endorsement, and
- b)    Standard owner's form automobile policy providing third party liability and accident benefits insurance and covering licensed vehicles owned or operated by the Contractor.

**GC 6.03.04                    Aircraft and Watercraft Liability Insurance**

**GC 6.03.04.01                Aircraft Liability Insurance**

.01    Aircraft liability insurance with respect to owned or non-owned aircraft used directly or indirectly in the performance of the Work, including use of additional premises, shall be subject to limits of not less than \$5,000,000 inclusive per occurrence for bodily injury, death, and damage to property including loss of use thereof, and limits of not less than \$5,000,000 for aircraft passenger hazard. Such insurance shall be in a form acceptable to the Owner. The policies shall be endorsed to provide the Owner with not less than 30 Days written notice in advance of cancellation, change, or amendment restricting coverage.

**GC 6.03.04.02                Watercraft Liability Insurance**

.01    Watercraft liability insurance with respect to owned or non-owned watercraft used directly or indirectly in the performance of the Work, including use of additional premises, shall be subject to limits of not less than \$5,000,000 inclusive per occurrence for bodily injury, death, and damage to property including loss of use thereof. Such insurance shall be in a form acceptable to the Owner. The policies shall be endorsed to provide the Owner with not less than 30 Days written notice in advance of cancellation, change, or amendment restricting coverage.

**GC 6.03.05                    Property and Boiler Insurance**

**GC 6.03.05.01                Property Insurance**

.01    All risks property insurance shall be in the name of the Contractor, with the Owner and the Contract Administrator named as additional insureds, insuring not less than the sum of the amount of the Contract price and the full value, as may be stated in the Contract Documents, of Material that is specified to be provided by the Owner for incorporation into the Work.

**GC 6.03.05.02                Boiler Insurance**

.01    Boiler insurance insuring the interests of the Contractor, the Owner and the Contract Administrator for not less than the replacement value of boilers and pressure vessels forming part of the Work, shall be in a form acceptable to the Owner.

**GC 6.03.05.03                Use and Occupancy of the Work Prior to Completion**

.01    Should the Owner wish to use or occupy part or all of the Work prior to Substantial Performance, the Owner shall give 30 Days written notice to the Contractor of the intended purpose and extent of such use or occupancy. Prior to such use or occupancy, the Contractor shall notify the Owner in writing of the additional premium cost, if any, to maintain property and boiler insurance, which shall be at the Owner's expense. If because of such use or occupancy the Contractor is unable to provide coverage, the Owner upon written notice from the Contractor and prior to such use or occupancy shall provide, maintain, and

pay for property and boiler insurance insuring the full value of the Work, including coverage for such use or occupancy, and shall provide the Contractor with proof of such insurance. The Contractor shall refund to the Owner the unearned premiums applicable to the Contractor's policies upon termination of coverage.

- .02 The policies shall provide that in the event of a loss or damage, payment shall be made to the Owner and the Contractor as their respective interests may appear. The Contractor shall act on behalf of both the Owner and the Contractor for the purpose of adjusting the amount of such loss or damage payment with the insurers. When the extent of the loss or damage is determined, the Contractor shall proceed to restore the Work. Loss or damage shall not affect the rights and obligations of either party under the Contract, except that the Contractor shall be entitled to such reasonable extension of Contract Time relative to the extent of the loss or damage as the Contract Administrator may decide in consultation with the Contractor.

#### **GC 6.03.05.04 Payment for Loss or Damage**

- .01 The Contractor shall be entitled to receive from the Owner, in addition to the amount due under the Contract, the amount at which the Owner's interest in restoration of the Work has been appraised, such amount to be paid as the restoration of the Work proceeds, and according to the requirements of section GC 8.0, Measurement and Payment. In addition, the Contractor shall be entitled to receive from the payments made by the insurers the amount of the Contractor's interest in the restoration of the Work.
- .02 The Contractor shall be responsible for deductible amounts under the policies, except where such amounts may be excluded from the Contractor's responsibility by the terms of this Contract.
- .03 In the event of a loss or damage to the Work arising from the action or omission of the Owner or others, the Owner shall pay the Contractor the cost of restoring the Work as the restoration of the Work proceeds and according to the requirements of section GC 8.0, Measurement and Payment.

#### **GC 6.03.06 Contractor's Equipment Insurance**

- .01 All risks Contractor's Equipment insurance covering construction equipment used by the Contractor for the performance of the Work, including boiler insurance on temporary boilers and pressure vessels, shall be in a form acceptable to the Owner and shall not allow subrogation claims by the insurer against the Owner. The policies shall be endorsed to provide the Owner with not less than 30 Days written notice in advance of cancellation, change, or amendment restricting coverage. Subject to satisfactory proof of financial capability by the Contractor for self-insurance of the Contractor's Equipment, the Owner agrees to waive the equipment insurance requirement, and for the purpose of this Contract, the Contractor shall be deemed to be insured. This policy shall be amended to provide permission for the Contractor to grant prior releases with respect to damage to the Contractor's Equipment.

#### **GC 6.03.07 Insurance Requirements and Duration**

- .01 Each insurance policy as noted in the Contract Documents shall be in effect from the date of commencement of the Work until 10 Days after the date of Final Acceptance of the Work, as set out in the Final Acceptance Certificate.
- .02 The Contractor shall provide the Owner, on a form acceptable to the Owner, proof of insurance prior to commencement of the Work and signed by an officer of the Contractor and either the underwriter or the broker.
- .03 The Contractor shall, on request, promptly provide the Owner with a certified true copy of each insurance policy exclusive of information pertaining to premium or premium bases used by the insurer to determine the cost of the insurance. The certified true copy shall include the signature by an officer of the Contractor and in addition, a signature by an officer of the insurer or the under writer or the broker.

- .04 Where a policy is renewed, the Contractor shall provide the Owner, on a form acceptable to the Owner, renewed proof of insurance immediately following completion of renewal.
- .05 Unless specified otherwise, the Contractor shall be responsible for the payment of deductible amounts under the policies.
- .06 If the Contractor fails to provide or maintain insurance as required in subsection GC 6.03, Contractor's Insurance, or elsewhere in the Contract Documents, then the Owner shall have the right to provide and maintain such insurance and give evidence thereof to the Contractor. The Owner's cost thereof shall be payable by the Contractor to the Owner on demand.
- .07 If the Contractor fails to pay the cost of the insurance placed by the Owner within 28 Days of the date on which the Owner made a formal demand for reimbursement of such costs, the Owner may deduct the costs thereof from monies which are due or may become due to the Contractor.

**GC 6.04 Bonding**

- .01 The Contractor shall provide the Owner with the surety bonds in the amount required by the Contract Documents.
- .02 Such bonds shall be issued by a duly licensed surety company authorized to transact a business of suretyship in the Province of Ontario and shall be to the satisfaction of the Owner. The bonds shall be maintained in good standing until the Final Acceptance.

**GC 6.05 Workplace Safety and Insurance Board**

- .01 The Contractor shall provide the Contract Administrator with a copy of a Certificate of Clearance indicating the Contractor's good standing with the Workplace Safety and Insurance Board, as follows:
  - a) Immediately prior to the Contract Administrator authorizing the Contractor to commence Work.
  - b) Prior to issue of the Certificate of Substantial Performance.
  - c) Prior to expiration of the Warranty Period.
  - d) At any other time when requested by the Contract Administrator.



## **SECTION GC 7.0 - CONTRACTOR'S RESPONSIBILITIES AND CONTROL OF THE WORK**

### **GC 7.01 General**

#### **GC 7.01.01 Site Visit**

- .01 The Contractor warrants that the site of the Work has been visited during the preparation of the Tender and the character of the Work and all local conditions that may affect the performance of the Work are known.

#### **GC 7.01.02 Commencement of Work**

- .01 The Contractor shall not commence the Work nor deliver anything to the Working Area until the Contractor has received a written order to commence the work from the Contract Administrator.

#### **GC 7.01.03 Control and Responsibility**

- .01 The Contractor shall have complete control of the Work and shall effectively direct and supervise the Work so as to ensure conformity with the Contract Documents. The Contractor shall be responsible for construction means, methods, techniques, sequences, and procedures and for coordinating the various parts of the Work.
- .02 The Contractor shall provide adequate labour, Equipment, and Material to ensure the completion of the Contract according to the Contract Documents. The Work shall be performed as vigorously and as continuously as weather conditions or other interferences may permit.
- .03 The Contractor shall have the sole responsibility for the design, erection, operation, maintenance, and removal of temporary structures and other temporary facilities and the design and execution of construction methods required in their use.
- .04 Notwithstanding clause GC 7.01.03, where the Contract Documents include designs for temporary structures and other temporary facilities or specify a method of construction in whole or part, such facilities and methods shall be considered to be part of the design of the Work, and the Contractor shall not be held responsible for that part of the design or the specified method of construction. The Contractor shall, however, be responsible for the execution of such design or specified method of construction in the same manner that the Contractor is responsible for the execution of the Work.
- .05 The Contractor shall comply with and conform to all statutes, laws, by-laws, regulations, requirements, ordinances, notices, rulings, orders, directives and policies of the municipal, provincial and federal governments and any other lawful authority and all court orders, judgments and declarations of a court of competent jurisdiction (collectively referred to as the "Laws"), applicable to the Work to be provided by, and the undertakings and obligations of, the Contractor under this Contract.

#### **GC 7.01.04 Compliance with the Occupational Health and Safety Act**

- .01 The Contractor shall execute the terms of the Contract in strict compliance with the requirements of the *Occupational Health and Safety Act*, R.S.O. 1990, c.O.1, as amended, (the "Act") and Ontario Regulation 213/91, as amended, (that regulates Construction Projects) and any other regulations as amended under *the Act* (the "Regulations") that may affect the performance of the Work, as the "Constructor" or "employer," as defined by *the Act*, as the case may be. The Contractor shall ensure that:
- a) Worker safety is given priority in planning, pricing, and performing the Work;
  - b) The Contractor's officers and supervisory employees have a working knowledge of the duties of a "Constructor" and "employer" as defined by *the Act* and the provisions of the Regulations applicable to the Work, and a personal commitment to comply with them;

- c) A copy of the most current version of *the Act* and the Regulations are available at the Contractor's office within the Working Area, or, in the absence of an office, in the possession of the supervisor responsible for the performance of the Work;
  - d) Workers employed to carry out the Work possess the knowledge, skills, and protective devices required by law or recommended for use by a recognized industry association to allow them to work in safety;
  - e) The Contractor's supervisory employees are "Competent Persons" as defined in the OHSA, and carry out their duties in a diligent and responsible manner with due consideration for the health and safety of the workers;
  - f) All Subcontractors and their workers are properly protected from injury while they are at the Working Area; and
  - g) Following execution of the Contract and prior to the issuance of the order to commence by the Owner, upon request the Contractor submits to the Contract Administrator a copy of the Notice of Project issued to the Ministry of Labour.
- .02 When requested, the Contractor shall provide the Owner with a copy of its health and safety policy and program at the pre-start meeting and shall respond promptly to requests from the Owner for confirmation that its methods and procedures for carrying out the Work comply with *the Act* and Regulations. The Contractor shall cooperate with representatives of the Owner and the inspectors appointed to enforce *the Act* and the Regulations in any investigations of worker health and safety in the performance of the Work. The Contractor shall indemnify and save the Owner harmless from any additional expense that the Owner may incur to have the Work performed as a result of the Contractor's failure to comply with the requirements of *the Act* and the Regulations.
- .03 Prior to commencement of the Work, the Contractor shall provide to the Contract Administrator a list of those products controlled under the Workplace Hazardous Materials Information System "WHMIS", which the Contractor expects to use on the Contract. Related Safety Data Sheets shall accompany the submission. All containers used in the application of products controlled under "WHMIS" shall be labelled. The Contractor shall notify the Contractor Administrator in writing of changes in the products to be used and provide relevant Safety Data Sheets.
- .04 During the course of the Work, the Contractor shall furnish forthwith to the Contract Administrator a copy of all correspondence, reports, orders or charges respecting occupational health and safety, including under *the Act*, *Technical Standards and Safety Act*, 2000, S.O. 2000, c.16 as amended, and the Criminal Code, R.S.C., 1985, c. C-46 as amended, which are received by, or which come to the notice of, the Contractor that apply or are relevant to any of the Work or activities conducted under the terms of the Contract.
- .05 Nothing in this Contract shall be construed as requiring the Owner to monitor or approve the workplace health and safety practices of the Contractor.

**GC 7.01.05 Contractor's Representatives**

- .01 The Contractor shall have an authorized representative on the site while any Work is being performed, to supervise the Work and act for or on the Contractor's behalf. Prior to commencement of construction, the Contractor shall notify the Contract Administrator of the names, addresses, positions, and cell phone, and telephone numbers of the Contractor's representatives who can be contacted at any time to deal with matters relating to the Contract, and update as necessary.
- .02 The Contractor shall designate a person to be responsible for traffic control and work zone safety. The designated person shall be a competent worker who is qualified because of:

- a) Knowledge, training, and experience to perform the duties;
- b) Is familiar with Book 7 of the Ontario Traffic Manual; and
- c) Has knowledge of all potential or actual danger to workers and motorists.

Prior to the commencement of construction, the Contractor shall notify the Contract Administrator of the name; address; position; cell phone, and telephone numbers of the designated person, and update as necessary. The designated person may have other responsibilities, including other construction sites, and need not be present in the Working Area at all times.

**GC 7.01.06 Assistance to the Contract Administrator**

- .01 The Contractor shall, at no additional cost to the Owner, furnish all reasonable aid, facilities, and assistance required by the Contract Administrator for the proper inspection and examination of the Work or the taking of measurements for the purpose of payment.

**GC 7.01.07 Schedule**

- .01 The Contractor shall prepare and update, as required, a construction schedule of operations, indicating the proposed methods of construction and sequence of Work and the time the Contractor proposes to complete the various items of Work within the time specified in the Contract Documents. The schedule shall be submitted to the Contract Administrator within 14 Days from the Contract award. If the Contractor's schedule is materially affected by changes in the work, the Contractor shall submit an updated construction schedule, if requested by the Contract Administrator, within 7 Days of the request. This updated schedule shall show how the Contractor proposes to perform the balance of the Work, to complete the Work within the time specified in the Contract Documents.
- .02 For Contracts with a specified number of Working Days, the construction time shown on the initial schedule shall not exceed the specified number of Working Days. The activities on the critical path shall assist the Contract Administrator in determining the Controlling Operation for the purpose of the charging of Working Days. The construction schedule shall include all non-working periods and appropriate allowances for Inclement Weather.
- .03 For Contracts which specify a Contract Time, the construction time shown on the initial construction schedule shall not extend beyond the specified Contract Time. The construction schedule shall include all non-working periods and appropriate allowances for Inclement Weather.

**GC 7.01.08 Errors and Inconsistencies Relating to the Contract**

- .01 Where the Contractor finds any error, inconsistency, or omission relating to the Contract, the Contractor shall promptly report it to the Contract Administrator and shall not proceed with the activity affected until receiving direction from the Contract Administrator.
- .02 The Contractor shall promptly notify the Contract Administrator in writing if the subsurface conditions observed in the Working Area differ materially from those indicated in the Contract Documents.

**GC 7.01.09 Utilities**

- .01 The Contractor shall arrange with the appropriate Utility authorities for the stake out of all underground Utilities and service connections that may be affected by the Work. The Contractor shall observe the location of the stake outs prior to commencing the Work and if there is a discrepancy between the location of the stake outs and the locations shown on the Contract Documents, that may affect the Work, the Contractor shall immediately notify the Contract Administrator and the affected Utility companies, in order to resolve the discrepancy. The Contractor shall be responsible for any damage done to the underground

Utilities and service connections by the Contractor's forces during construction if the stake out locations are within the tolerances given in clause GC 2.01.01 (a).

- .02 In the case of damage to or interference with any Utilities, pole lines, pipe lines, conduits, farm tiles, or other public or privately-owned works or property, the Contractor shall immediately notify the Owner, Contract Administrator, and the owner of the works of the location and details of such damage or interference.

## **GC 7.02                      Monuments and Layout**

- .01 Prior to commencement of construction, the Contract Administrator and the Contractor shall locate on site those Monuments that delineate the Working Area and may be used to lay out the Work, all as shown on the Contract Drawings. Property Monuments shall be inventoried in the report format required by the Owner.
- .02 These Monuments shall be protected by highly visible T-bars or 1.0 metre tall stakes with survey ribbon set within 0.3 metres of the Monument.
- .03 The Contractor shall be responsible for the preservation of all Property Monuments while the Work is in progress, except those Property Monuments that must be removed to facilitate the Work as identified and agreed by the Contractor and Contract Administrator. Monuments removed to facilitate the Work shall be replaced at the Owner's expense, and all others shall be replaced at the Contractor's expense.
- .04 All Monuments disturbed, damaged, or removed by the Contractor's operations shall be documented in the inventory report and replaced under the supervision of an Ontario Land Surveyor.
- .05 The Monument inventory report referred to in clauses GC 7.02.01 and GC 7.02.04 shall include as a minimum:
  - a) Contract number, Contract name, Contract Administrator's name;
  - b) Project/site construction limits;
  - c) Rough location, type, identification number, and condition of each Monument before and after construction;
  - d) The solutions for protection of the Monuments that may be impacted by construction;
  - e) Reference ties;
  - f) A summary of those Monuments affected by the Work and how they were reset or replaced, and by what type of Monument.
- .06 At no extra cost to the Owner, the Contractor shall provide the Contract Administrator with such materials and devices as may be necessary to lay out the baseline and benchmarks, and as may be necessary for the inspection of the Work.
- .07 The Contractor shall provide qualified personnel to lay out and establish all lines and grades necessary for construction. The Contractor shall notify the Contract Administrator of any layout work carried out, so that the same may be checked by the Contract Administrator.
- .08 The Contractor shall install and maintain substantial alignment markers and secondary benchmarks as may be required for the proper execution of the Work. The Contractor shall supply one copy of all alignment and grade sheets to the Contract Administrator.

- .09 The Contractor shall assume full responsibility for alignment, elevations, and dimensions of each and all parts of the Work, regardless of whether the Contractor's layout work has been checked by the Contract Administrator.
- .10 All stakes, marks, and reference points shall be carefully preserved by the Contractor. In the case of their destruction or removal, for any reason, before the end of the Contract Time such stakes, marks, and reference points shall be replaced, unless otherwise mutually agreed between the Contractor and the Contract Administrator, at the Contractor's expense.
- .11 Benchmarks and survey monuments identified in the Contract Documents shall be protected by the Contractor. In the case of their destruction or removal, such benchmarks and survey monuments shall be replaced by the Owner at the Contractor's expense.

**GC 7.03 Working Area**

- .01 The Contractor shall maintain the Working Area in a tidy condition and free from the accumulation of debris and prevent dust nuisance, mud, and ponding water, other than that caused by the Owner or others.
- .02 The Contractor's sheds, site offices, toilets, other temporary structures, and storage areas for Material and Equipment shall be grouped in a compact manner, maintained in a neat and orderly condition at all times and removed upon completion of the Work.
- .03 The Contractor shall confine the construction operations to the Working Area. Should the Contractor require additional space, the Contractor shall obtain such space at no additional cost to the Owner.
- .04 The Contractor shall not enter upon or occupy any private property for any purpose, unless the Contractor has received prior written permission from the property owner.
- .05 Upon completion of the Contract, the Working Area used by the Contractor shall be restored to its original condition or better unless otherwise specified in the Contract Documents including the removal of all excavated and stockpiled materials at the Contractor's expense.

**GC 7.04 Damage by Vehicles or Other Equipment**

- .01 If at any time, in the opinion of the Contract Administrator, damage is being done or is likely to be done to any Roadway or any improvement thereon, outside the Working Area, by the Contractor's vehicles or other Equipment, whether licensed or unlicensed Equipment, the Contractor shall, on the direction of the Contract Administrator, and at no extra cost to the Owner, make changes or substitutions for such vehicles or Equipment, and shall alter loadings, or in some other manner, remove the cause of such damage to the satisfaction of the Contract Administrator.

**GC 7.05 Excess Loading of Motor Vehicles**

- .01 Where a vehicle is hauling Material for use on the Work, in whole or in part; upon a Highway; and where motor vehicle registration is required for such vehicle, the Contractor shall not cause or permit such vehicle to be loaded beyond the legal limit specified in the *Highway Traffic Act*, R.S.O. 1990, c.H.8, as amended, whether such vehicle is registered in the name of the Contractor or otherwise, except where there are designated areas within the Working Area where overloading is permitted. The Contractor shall bear the onus of weighing disputed loads.

**GC 7.06 Maintaining Roads and Detours**

- .01 Unless otherwise specified in the Contract Documents, if an existing Roadway is affected by construction, it shall be kept open to both vehicular and pedestrian traffic.

- .02 Subject to the approval of the Contract Administrator, the Contractor shall, at no additional cost to the Owner, be responsible for providing and maintaining for the duration of the Work an alternative route for both pedestrian and vehicular traffic through the Working Area according to the OTM, whether along the existing Highway under construction or on a detour road beside or adjacent to the Highway under construction.
- .03 Subject to the approval of the Contract Administrator, the Contractor may block traffic for short periods of time to facilitate construction of the Work according to the OTM. Any temporary lane closures shall be kept to a minimum.
- .04 The Contractor shall not be required to maintain a road through the Working Area until such time as the Contractor has commenced operations or during seasonal shut down or on any part of the Contract that has been accepted according to these General Conditions. The Contractor shall not be required to apply de-icing chemicals or abrasives or carry out snowplowing.
- .05 Where only localized and separated sections of the Highway are affected by the Contractor's operations, the Contractor shall not be required to maintain intervening sections of the Highway until such times as these sections are located within the limits of the Highway affected by the Contractor's general operations under the Contract.
- .06 Where the Contract Documents provide for or the Contract Administrator requires detours at specific locations, payment for the construction of the detours and, if required, for the subsequent removal of the detours, shall be made at the Contract prices appropriate to such Work.
- .07 Compensation for all labour, Equipment, and Materials to do this Work shall be at the Contract prices appropriate to the Work and, where there are no such prices, at negotiated prices. Notwithstanding the foregoing, the cost of blading required to maintain the surface of such roads and detours shall be deemed to be included in the prices bid for the various tender items and no additional payment shall be made.
- .08 Where Work under the Contract is discontinued for any extended period, including seasonal shutdown, the Contractor shall, when directed by the Contract Administrator, open and place the Roadway and detours in a passable, safe, and satisfactory condition for public travel.
- .09 Where the Contractor constructs a detour that is not specifically provided for in the Contract Documents or required by the Contract Administrator, the construction of the detour and, if required, the subsequent removal shall be performed at the Contractor's expense. The detour shall be constructed and maintained to structural and geometric standards approved by the Contract Administrator. Removal and site restoration shall be performed as directed by the Contract Administrator.
- .10 Where, with the prior written approval of the Contract Administrator, the Highway is closed and the traffic diverted entirely off the Highway to any other Highway, the Contractor shall, at no extra cost to the Owner, supply, erect, and maintain traffic control devices according to the OTM.
- .11 Compliance with the foregoing provisions shall in no way relieve the Contractor of its obligations under subsection GC 6.01, Protection of Work, Persons, and Property, dealing with the Contractor's responsibility for damage claims, except for claims arising on sections of Highway within the Working Area that are being maintained by others.

**GC 7.07 Access to Properties Adjoining the Work and Interruption of Utility Services**

- .01 The Contractor shall provide at all times and at no extra cost to the Owner:
  - a) Safe and adequate pedestrian and vehicular access;
  - b) Continuity of Utility services; and

c) Access for emergency response services;

to properties adjoining the Working Area.

- .02 The Contractor shall provide at all times and at no extra cost to the Owner access to fire hydrants, water and gas valves, and all other Utilities located in the Working Area.
- .03 Where any interruptions in the supply of Utility services are required and are authorized by the Contract Administrator, the Contractor shall give the affected property owners notice according to subsection GC 7.11, Notices by the Contractor, and shall arrange such interruptions so as to create a minimum of interference to those affected.

#### **GC 7.08 Approvals and Permits**

- .01 Except as specified in subsection GC 4.02, Approval and Permits, the Contractor shall obtain and pay for any permits, licences, and certificates, which at the date of tender closing, are required for the performance of the Work.
- .02 The Contractor shall arrange for all necessary inspections required by the approvals and permits specified in clause GC 7.08.01, Approvals and Permit.

#### **GC 7.09 Suspension of Work**

- .01 The Contractor shall, upon written notice from the Contract Administrator, discontinue or delay any or all of the Work and Work shall not be resumed until the Contract Administrator so directs in writing. Delays, in these circumstances, shall be administered according to subsection GC 3.07, Delays.

#### **GC 7.10 Contractor's Right to Stop the Work or Terminate the Contract**

- .01 If the Owner is adjudged bankrupt or makes a general assignment for the benefit of creditors because of insolvency or if a receiver is appointed because of insolvency, the Contractor may, without prejudice to any other right or remedy the Contractor may have, by giving the Owner or receiver or trustee in bankruptcy written notice, terminate the Contract.
- .02 If the Work is stopped or otherwise delayed for a period of 30 Days or more under an order of a court or other public authority and provided that such order was not issued as the result of an act or fault of the Contractor or of anyone directly employed or engaged by the Contractor, the Contractor may, without prejudice to any other right or remedy the Contractor may have, by giving the Owner written notice, terminate the Contract.
- .03 The Contractor may notify the Owner in writing, with a copy to the Contract Administrator, that the Owner is in default of contractual obligations if:
  - a) The Contract Administrator fails to issue certificates according to the provisions of section GC 8.0, Measurement and Payment;
  - b) The Owner fails to pay the Contractor, within 28 Days of the due dates identified in clause GC 8.02.04, Certification and Payment, the amounts certified by the Contract Administrator or within 28 Days of an award by an arbitrator or court; or
  - c) The Owner fails to comply with the requirements of the Contract.
- .04 The Contractor's written notice to the Owner shall advise that if the default is not corrected in the 7 Days immediately following receipt of the written notice, the Contractor may, without prejudice to any other right or remedy the Contractor may have, stop the Work or terminate the Contract.

- .05 If the Contractor terminates the Contract under the conditions set out in subsection GC 7.10, Contractor's Right to Stop the Work or Terminate the Contract, the Contractor shall be entitled to be paid for all Work performed according to the Contract Documents and for any losses or damage as the Contractor may sustain as a result of the termination of the Contract.

**GC 7.11 Notices by the Contractor**

- .01 Before any Work is carried out that may affect the property or operations of any Ministry or agency of government or any person; company; partnership; or corporation, including a municipal corporation or any board or commission thereof, and in addition to such notices of the commencement of specified operations as are prescribed elsewhere in the Contract Documents, the Contractor shall give at least 48 hours advance written notice of the date of commencement of such Work to the person, company, partnership, corporation, board, or commission so affected.

**GC 7.12 Environmental Incident Management under Legislation Protecting the Environment and Natural Resources**

- .01 The Contractor shall be in strict compliance with the requirements of the following legislation, as amended, regarding environmental incidents under the control of the Contractor or that are a result of the Contractor's operations:
- a) *Environmental Protection Act*, R.S.O. 1990, c. E.19
  - b) *Fisheries Act*, R.S.C. 1985, c. F-14
  - c) *Technical Standards and Safety Act*, 2000, S.O. 2000, c. 16
  - d) *Pesticides Act*, R.S.O. 1990, c. P.11
  - e) *Ontario Water Resources Act*, R.S.O. 1990, c. O.40
  - f) *Transportation of Dangerous Goods Act*, 1992, S.C.1992, c. 34
- .02 The requirements of the legislation listed in clause GC 7.12.01 include but are not restricted to:
- a) Immediate containment of the material, pollutant, contaminant, deleterious substance, or dangerous good;
  - b) Immediate notification of the environmental incident to the proper authority; and
  - c) Clean up and restoration of the environment to preconditions.
- .03 The Contractor shall possess a plan demonstrating that environmental incidents shall be managed to satisfy the requirements of clauses GC 7.12.01 and GC 7.12.02.
- .04 The Contractor shall provide a copy of the environmental incident plan to the Contract Administrator when required and shall inform the Contract Administrator immediately of:
- a) An environmental incident when it occurs; and
  - b) Any actions taken or intended to be taken by the Contractor regarding the environmental incident.
- .05 The Contractor shall indemnify and save the Owner harmless from any additional expense that the Owner may incur to have the Work performed as a result of the Contractor's failure to comply with the requirements of the legislation listed in clause GC 7.12.01.



**GC 7.13                      Obstructions**

- .01 Except as otherwise noted in these General Conditions, the Contractor assumes all the risks and responsibilities arising out of any obstruction encountered in the performance of the Work and any traffic conditions, including traffic conditions on any Highway or road giving access to the Working Area caused by such obstructions, and the Contractor shall not make any claim against the Owner for any loss, damage, or expense occasioned thereby.
- .02 Where the obstruction is an underground Utility or other human-made object, the Contractor shall not be required to assume the risks and responsibilities arising out of such obstruction, unless the location of the obstruction is shown on the Plans or described in the Contract Documents and the location so shown is within the tolerance specified in clause GC 2.01.01 a), or unless the presence and location of the obstruction has otherwise been made known to the Contractor or could have been determined by the visual site investigation made by the Contractor according to these General Conditions.
- .03 During the course of the Contract, it is the Contractor's responsibility to consult with Utility companies or other appropriate authorities for further information in regard to the exact location of these Utilities, to exercise the necessary care in construction operations, and to take such other precautions as are necessary to safeguard the Utilities from damage.

**GC 7.14                      Limitations of Operations**

- .01 Except for such Work as may be required by the Contract Administrator to maintain the Work in a safe and satisfactory condition, the Contractor shall not carry out operations under the Contract on Saturdays, Sundays, and any holidays recognized by the Owner without permission in writing from the Contract Administrator.
- .02 The Contractor shall cooperate and coordinate the Work with other Contractors, Utility companies, and the Owner and they shall be allowed access to their Work or plant at all reasonable times.

**GC 7.15                      Cleaning Up Before Acceptance**

- .01 Upon attaining Substantial Performance of the Work, the Contractor shall remove surplus materials, tools, and Equipment not required for the performance of the remaining Work. The Contractor shall also remove all temporary works and debris other than that caused by the Owner or others and leave the Work and Working Area clean and suitable for occupancy by the Owner, unless otherwise specified.
- .02 The Work shall not be deemed to have reached Completion until the Contractor has removed surplus materials, tools, and Equipment. The Contractor shall also have removed debris, other than that caused by the Owner, or others.

**GC 7.16                      Warranty**

- .01 Unless otherwise specified in the Contract Documents for certain Materials or components of the Work, the Contractor shall be responsible for the proper performance of the Work only to the extent that the design and standards permit such performance.
- .02 Subject to the previous paragraph the Contractor shall correct promptly, at no additional cost to the Owner, defects or deficiencies in the Work that appear:
  - a) Prior to and during the period of 12 months from the date of Substantial Performance of the Work, as set out in the Certificate of Substantial Performance of the Work,
  - b) Where there is no Certificate of Substantial Performance, 12 months from the date of Completion of the Work as set out in the Completion Certificate, or

- c) Such longer periods as may be specified in the Contract Documents for certain Materials or some of the Work.

The Contract Administrator shall promptly give the Contractor written notice of observed defects or deficiencies.

- .03 The Contractor shall correct or pay for damage resulting from corrections made under the requirements of clause GC 7.16.02.

**GC 7.17 Contractor's Workers**

- .01 The Contractor shall only employ orderly, competent, and skillful workers to do the Work and whenever the Contract Administrator shall inform the Contractor in writing that any worker or workers involved in the Work are, in the opinion of the Contract Administrator, incompetent, or disorderly such worker or workers shall be removed from the Work and shall not be employed on the Work again without the consent in writing of the Contract Administrator.

**GC 7.18 Drainage**

- .01 During construction and until the Work is completed, the Contractor shall make all reasonable efforts to keep all portions of the Work properly and efficiently drained, to at least the same degree as that of the existing drainage conditions.

## **SECTION GC 8.0 - MEASUREMENT AND PAYMENT**

### **GC 8.01 Measurement**

#### **GC 8.01.01 Quantities**

- .01 The Contract Administrator shall make an Estimate in writing once a month, unless otherwise specified in the Contract Documents, of the quantity of Work performed and provide such Estimate to the Contractor within 10 Days of the Cut-Off Date.
- .02 Quantities for progress payments shall be construed and held to be approximate. The final quantities for the issuance of the Completion Payment shall be based on the measurement of Work completed.
- .03 Measurement of the quantities of the Work performed may be either by Actual Measurement or by Plan Quantity principles as indicated in the Contract Documents. Adjustments to Plan Quantity measurements shall normally be made using Plan Quantity principles but may, where appropriate, be made using Actual Measurements. Those items identified on the Tender by the notation (P) in the unit column shall be paid according to the Plan Quantity. Items where the notation (P) does not occur shall be paid according to Actual Measurement or lump sum.

#### **GC 8.01.02 Variations in Tender Quantities**

- .01 Where it appears that the quantity of work to be done or Material to be supplied or both by the Contractor under a unit price tender item may exceed or be less than the tender quantity, the Contractor shall proceed to do the work or supply the Material or both required to complete the tender item and payment shall be made for the actual amount of work done or Material supplied or both at the unit prices stated in the Tender except as provided below:
  - a) In the case of a Major Item where the quantity of work performed or Material supplied or both by the Contractor exceeds the tender quantity by more than 15%, either party to the Contract may make a written request to the other party to negotiate a revised unit price for that portion of the work performed or Material supplied or both which exceeds 115% of the tender quantity. The negotiation shall be carried out as soon as reasonably possible. Any revision of the unit price shall be based on the actual cost of doing the work or supplying the Material or both under the tender item plus a reasonable allowance for profit and applicable overhead.
  - b) In the case of a Major Item where the quantity of work performed or Material supplied or both by the Contractor is less than 85% of the tender quantity, the Contractor may make a written request to negotiate for the portion of the actual overheads and fixed costs applicable to the amount of the underrun in excess of 15% of the tender quantity. For purposes of the negotiation, the overheads and fixed costs applicable to the item are deemed to have been prorated uniformly over 100% of the tender quantity for the item. Overhead costs shall be confirmed by a statement certified by the Contractor's senior financial officer or auditor and may be audited by the Owner. Alternatively, where both parties agree, an allowance equal to 10% of the unit price on the amount of the underrun in excess of 15% of the tender quantity shall be paid.

Written requests for compensation must be received no later than 60 Days after the issuance of the Completion Payment.

### **GC 8.02 Payment**

#### **GC 8.02.01 Non-Resident Contractor**

- .01 If the Contractor is not a registered entity in Ontario, the Contractor shall obtain all necessary approvals, consents, permits, licences, certificates, registrations, and other authorizations prior to execution of the Contract.

- .02 The Contractor shall ensure that all Subcontractors the Contractor proposes to use for carrying out any of the Work required by the Contract and who are not a registered entity in Ontario have obtained all necessary approvals, consents, permits, certificates, registrations, and other authorizations prior to execution of the subcontract.

**GC 8.02.02 Price for Work**

- .01 Prices for the Work shall be full compensation for all labour, Equipment and Material required to do the work. The term "all labour, Equipment, and Material" shall include Hand Tools, supplies, and other incidentals.
- .02 Payment, for Work which is identified in the Contract Documents but not specifically detailed as part of any one item shall be deemed to be included in the items with which it is associated.

**GC 8.02.03 Advance Payments for Material**

- .01 The Owner shall make advance payments for Material intended for incorporation in the Work upon the written request of the Contractor and according to the following terms and conditions:
- a) The Contractor shall deliver the Material to a site approved by the Contract Administrator and the Contractor shall, in advance of receipt of the shipment of the Material, arrange for adequate and proper storage facilities.
  - b) The value of aggregates, processed and stockpiled, shall be assessed by the following procedure:
    - i. Sources Other Than Commercial
      - (A) Granular A, B, BI, BII, BIII, M, and O shall be assessed at the rate of 60% of the Contract price.
      - (B) Coarse and fine aggregates for hot mix asphaltic concrete, surface treatment and cement concrete shall be assessed at the rate of 25% of the Contract price for each aggregate stockpiled.
    - ii. Commercial Sources
      - (A) Payment for separated coarse and fine aggregates shall be considered at the above rate when such Materials are stockpiled at a commercial source where further processing is to be carried out before incorporating such Materials into a final product. Advance payments for other Materials located at a commercial source shall not be made.
  - c) Payment for all other Materials, unless otherwise specified elsewhere in the Contract Documents, shall be based on the invoice price, and the Contractor shall submit proof of cost to the Contract Administrator before payment can be made by the Owner.
  - d) The payment for all Materials shall be prorated against the appropriate tender item by paying for sufficient units of the item to cover the value of the Material. Such payment shall not exceed 80% of the Contract price for the item.
  - e) All Materials for which the Contractor wishes to receive advance payment shall be placed in the designated storage location immediately upon receipt of the Material and shall thenceforth be held by the Contractor in trust for the Owner as collateral security for any monies advanced by the Owner and for the due completion of the Work. The Contractor shall not exercise any act of ownership inconsistent with such security, or remove any Material from the storage locations, except for inclusion in the Work, without the consent, in writing, of the Contract Administrator.
  - f) Such materials shall remain at the risk of the Contractor who shall be responsible for any loss, damage, theft, improper use, or destruction of the Material however so caused.

- .02 Where the Owner makes advance payments subject to the conditions listed in clause GC 8.02.03.01, such payment shall not constitute acceptance of the Material by the Owner. Acceptance shall only be determined when the Material meets the requirements of the appropriate specification.

**GC 8.02.04 Certification and Payment**

**GC 8.02.04.01 Progress Payment**

- .01 The Contractor shall submit a Proper Invoice for progress payments monthly or at intervals specified in the Contract Documents after starting the Work on this Contract. The Contractor shall submit the Proper Invoice to the Contract Administrator and to the Owner. This Proper Invoice shall be for work completed at the agreed to Cut-Off Date.
- .02 A Proper Invoice shall include;
- a) the requirements as set out in section 6.1 of the *Construction Act*;
  - b) the quantities of Work performed;
  - c) the value of Work performed;
  - d) any advanced payment for Material;
  - e) the amount of Statutory Holdback, liens, Owner's set-off;
  - f) the amount of any applicable taxes;
  - g) the amount due to the Contractor; and
  - h) any other information that may be prescribed in the Contract Documents.
- .03 Payment shall be made within 28 Days of the submission of the Proper Invoice unless a notice of non-payment has been issued according to the *Construction Act*.
- .04 The Owner shall retain the Statutory Holdback in the form and amount as required under the *Construction Act*.

**GC 8.02.04.02 Certification of Subcontract Completion**

- .01 Before the Work has reached the stage of Substantial Performance, the Contractor may notify the Contract Administrator, in writing that a subcontract is completed satisfactorily and ask that the Contract Administrator certify the completion of such subcontract.
- .02 The Contract Administrator shall issue a Certificate of Subcontract Completion, if the subcontract has been completed in a form satisfactory to the Contract Administrator, and all required inspection and testing of the works covered by the subcontract have been carried out and the results are satisfactory to the Contract Administrator.
- .03 The Contract Administrator shall set out in the Certificate of Subcontract Completion the date on which the subcontract was completed and, within 7 Days of the date the subcontract is certified complete, the Contract Administrator shall give a copy of the certificate to the Contractor and to the Subcontractor concerned.

**GC 8.02.04.03                      Subcontract Statutory Holdback Release Certificate and Payment**

- .01 Following receipt of the Certificate of Subcontract Completion, the Owner shall release and pay the Contractor the Statutory Holdback retained in respect of the subcontract. Such release shall be made 61 Days after the date the subcontract was certified complete and providing the Contractor submits the following to the Contract Administrator:
  - a) A document satisfactory to the Contract Administrator that shall release the Owner from all further claims relating to the subcontract, qualified by stated exceptions such as holdback monies;
  - b) Evidence satisfactory to the Contract Administrator that the Subcontractor has discharged all liabilities incurred in carrying out the subcontract;
  - c) A satisfactory clearance certificate or letter from the Workplace Safety and Insurance Board relating to the subcontract; and
  - d) A copy of the contract between the Contractor and the Subcontractor and a satisfactory statement showing the total amount due the Subcontractor from the Contractor.
- .02 Clause GC 8.02.04.03.01 (d), shall only apply to Lump Sum Items and then only when the Contract Administrator specifically requests it.
- .03 Upon receipt of the Statutory Holdback, the Contractor shall forthwith give the Subcontractor the payment due under the subcontract.
- .04 Release of Statutory Holdback by the Owner in respect of a subcontract shall not relieve the Contractor, or the Contractor's Surety, of any of their responsibilities.

**GC 8.02.04.04                      Substantial Performance of Work**

- .01 The Contractor, as part of the application for Substantial Performance, shall submit an itemized list of the outstanding work.
- .02 Upon application by the Contractor and when the Contract Administrator has verified that the Contract has been substantially performed, the Contract Administrator shall issue a Certificate of Substantial Performance.
- .03 The Contract Administrator shall set out in the Certificate of Substantial Performance the date on which the Contract was substantially performed and, within 7 Days after signing the said certificate, and shall provide a copy to the Contractor.
- .04 Upon receipt of a copy of the Certificate of Substantial Performance, the Contractor shall forthwith, as required by Section 32(1) Paragraph 5 of the *Construction Act*, as amended, publish a copy of the certificate in the manner set out in the regulations.
- .05 Where the Contractor fails to publish a copy of the Certificate of Substantial Performance as required above within 7 Days after receiving a copy of the certificate signed by the Contract Administrator, the Owner may publish a copy of the certificate at the Contractor's expense.
- .06 Except as otherwise provided for in Section 31 of the *Construction Act*, the 60 Day lien period prior to the release of holdback as referred to in clause GC 8.02.04.05, Substantial Performance Payment and Statutory Holdback Release Payment Certificates, shall commence from the date of publication of the Certificate of Substantial Performance as provided for above.

**GC 8.02.04.05                    Substantial Performance Payment and Substantial Performance Statutory Holdback Release Payment Certificates**

- .01 Prior to the Contract Administrator issuing the Certificate of Substantial Performance, the Contractor shall submit a Proper Invoice for the Work completed. In addition to the requirements specified under section 8.02.04.01.02, the Proper Invoice shall include:
  - a) The value of Work performed to the date of Substantial Performance;
  - b) The value of outstanding or incomplete Work;
  - c) The amount of the Statutory Holdback, allowing for any previous releases of Statutory Holdback to the Contractor in respect of completed subcontracts and deliveries of pre-selected Equipment; and
  - d) The amount due to the Contractor.
- .02 Payment shall be made within 28 Days of the date of submission of the Proper Invoice.
- .03 The Substantial Performance Statutory Holdback Release Payment Certificate shall be a payment certificate releasing to the Contractor the Statutory Holdback due in respect of Work performed up to the date of Substantial Performance. Payment of such Statutory Holdback shall be due 61 Days after the date of publication of the Certificate of Substantial Performance but subject to the provisions of the *Construction Act* and the submission by the Contractor of the following documents:
  - a) A satisfactory Certificate of Clearance from the Workplace Safety and Insurance Board; and
  - b) Proof of publication of the Certificate of Substantial Performance.
- .04 Any amount of security retained shall be identified on the Substantial Performance Payment Certificate.

**GC 8.02.04.06                    Certification of Completion**

- .01 Upon application by the Contractor and when the Contract Administrator has verified that the Contract has reached Completion, the Contract Administrator shall issue a Completion Certificate.
- .02 The Contract Administrator shall set out in the Completion Certificate the date on which the Work was completed and, within 7 Days of signing the said certificate, the Contract Administrator shall provide a copy to the Contractor.

**GC 8.02.04.07                    Completion Payment and Completion Statutory Holdback Release Payment Certificates**

- .01 Prior to the Contract Administrator issuing the Completion Certificate, the Contractor shall submit a Proper Invoice for the Work completed. In addition to the requirements noted under section 8.02.04.01.02, the Proper Invoice shall include:
  - a) Measurement and value of Work at Completion;
  - b) The amount of the further Statutory Holdback based on the value of further Work completed over and above the value of Work completed shown in the Substantial Performance Payment Certificate referred to above; and
  - c) The amount due to the Contractor.
- .02 The Completion Statutory Holdback Release Payment Certificate shall be a payment certificate releasing to the Contractor the further Statutory Holdback. Subject to any outstanding liens and permissible set-offs

and upon submission of a satisfactory Certificate of Clearance from the Workplace Safety and Insurance Board, the Owner shall pay the remaining holdback on the Work done, within 28 Days after the expiration of the 60-Day lien period.

.03 Any amount of security retained shall be identified on the Completion Payment Certificate.

**GC 8.02.04.08 Interest**

.01 Interest due to the Contractor shall be based on simple interest and calculated using the applicable Rate of Interest. Interest shall begin to accrue on an amount that is not paid when it is due to be paid under Part-I of the *Construction Act*, at the prejudgment interest rate determined under subsection 127 (2) of the *Courts of Justice Act* or, if the Contract specifies a different interest rate for this purpose, the greater of the prejudgment interest rate and the interest rate specified in the Contract.

**GC 8.02.04.09 Interest for Late Payment**

.01 Provided the Contractor has complied with the requirements of the Contract, including all documentation requirements, when payment by the Owner to the Contractor for Work performed, or for release of Statutory Holdback, is delayed by the Owner, then the Contractor shall be entitled to receive interest on the outstanding payment at the Rate of Interest, if payment is not received on the dates set out below:

- a) Progress Payment: 28 Days after submission of Proper Invoice;
- b) Subcontract Statutory Holdback Release Payment: 89 Days after the date on which the subcontract was completed;
- c) Substantial Performance Payment: 28 Days after the date of issuance of the certificate;
- d) Substantial Performance Statutory Holdback Release Payment: 89 Days after publication of the Payment Certificate of Substantial Performance;
- e) Completion Payment: 28 Days after the date certified as the date on which the Contract reached Completion; and
- f) Completion Statutory Holdback Release Payment: 89 Days after the date certified as the date that the Work was completed.

.02 If the Contractor has not complied with the requirements of the Contract, including all documentation requirements, prior to expiration of the time periods described in clause GC 8.02.04.09.01, interest shall only begin to accrue when the Contractor has completed those requirements.

**GC 8.02.04.10 Interest for Negotiations and Claims**

.01 Except as hereinafter provided, where a notice of negotiation, notice of intent to claim and the subsequent claims are submitted according to the time limits or procedure or both described by subsection GC 3.13, Claims, Negotiations, Mediation, the Owner shall pay the Contractor the Rate of Interest on the amount of the negotiated price for that part of the Work or on the amount of the settled claim. Such interest shall not commence until 30 Days after the satisfactory completion of that part of the Work.

.02 Where the Contractor fails to give notice of a claim within the time limit prescribed by subsection GC 3.13, Claims, Negotiations, Mediation, interest shall not be paid.

.03 Where a Contractor fails to comply with the 30 Day time limit and the procedures prescribed in clause GC 3.13.03.03 for submission of claims, interest shall not be paid for the delay period.



**GC 8.02.04.11            Owner's Set-Off**

- .01 Pursuant to the *Construction Act*, the Owner may retain from monies owing to the Contractor under this Contract an amount sufficient to cover any outstanding or disputed liabilities, including the cost to remedy deficiencies, the reduction in value of substandard portions of the Work, claims for damages by third parties that have not been determined in writing by the Contractor's insurer, undetermined claims by the Owner, and any assessment due the Workplace Safety and Insurance Board.
- .02 Under these circumstances the Owner will give the Contractor appropriate notice of such action.

**GC 8.02.04.12            Delay in Payment**

- .01 The Owner shall not be deemed to be in default of the Contract provided any delay in payment does not exceed the due dates as defined in clause GC 8.02.04.09.01.

**GC 8.02.05                Payment on a Time and Material Basis**

**GC 8.02.05.01            Definitions**

- .01 For the purpose of clause GC 8.02.05 the following definitions apply:

**Cost of Labour** means the amount of wages, salary, travel, travel time, food, lodging, or similar items and Payroll Burden paid or incurred directly by the Contractor to or in respect of labour and supervision actively and necessarily engaged on the Work based on the recorded time and hourly rates of pay for such labour and supervision but shall not include any payment or costs incurred for general supervision, administration, and management time spent on the entire Work or any wages, salary, or Payroll Burden for which the Contractor is compensated by any payment made by the Owner for Equipment.

**Cost of Material** means the cost of Material purchased or supplied from stock and valued at current market prices for the purpose of carrying out Extra Work by the Contractor or by others, when such arrangements have been made by the Contractor for completing the Work, as shown by itemized invoices.

**Operated Rented Equipment** means Rented Equipment for which an operator is provided by the supplier of the Equipment and for which the rent or lease includes the cost of the operator.

**Payroll Burden** means the payments in respect of workplace insurance, vacation pay, employment insurance, public liability and property damage insurance, sickness and accident insurance, pension fund, and such other welfare and benefit payments forming part of the Contractor's normal labour costs.

**Rented Equipment** means Equipment that is rented or leased for the special purpose of Work on a Time and Material Basis from a person, firm, or corporation that is not an associate of the lessee as the word "associate" is defined by the *Securities Act*, R.S.O. 1990, c.S.5, as amended, and is approved by the Contract Administrator.

**Road Work** means the preparation, construction, finishing, and construction maintenance of roads, streets, Highways, and parking lots and includes all work incidentals thereto other than Work on structures.

**Sewer and Watermain Work** means the preparation, construction, finishing, and construction maintenance of sewer systems and watermain systems, and includes all work incidental thereto other than Work on structures.

**Standby Time** means any period of time that is not considered Working Time and which together with the Working Time does not exceed 10 hours in any one Working Day and during which time a unit of Equipment cannot practically be used on other Work but must remain on the site in order to continue with its assigned task and during which time the unit is in fully operable condition.

**Structure Work** means the construction, reconstruction, repair, alteration, remodelling, renovation, or demolition of any bridge, building, tunnel, or retaining wall and includes the preparation for and the laying of the foundation of any bridge, building, tunnel, or retaining wall and the installation of Equipment and appurtenances incidental thereto.

**The 127 Rate** means the rate for a unit of Equipment as listed in OPSS.PROV 127, Schedule of Rental Rates for Construction Equipment, Including Model and Specification Reference, that is current at the time the work is carried out or for Equipment that is not so listed, the rate that has been calculated by the Owner, using the same principles as used in determining The 127 Rate.

**Work on a Time and Material Basis** means Changes in the Work, Extra Work, and Additional Work approved by the Contract Administrator for payment on a Time and Material basis. The Work on a Time and Material Basis shall be subject to all the terms, conditions, Standard Specifications and provisions of the Contract.

**Working Time** means each period of time during which a unit of Equipment is actively and of necessity engaged on a specific operation and the first 2 hours of each immediately following period during which the unit is not so engaged but during which the operation is otherwise proceeding and during which time the unit cannot practically be transferred to other Work but must remain on the site in order to continue with its assigned tasks and during which time the unit is in a fully operable condition.

**GC 8.02.05.02            Daily Work Records**

.01 Daily Work Records, prepared as the case may be by either the Contractor's representative or the Contract Administrator reporting the labour and Equipment employed and the Material used on each Time and Material project, should be reconciled and signed each Day by both the Contractor's representative and the Contract Administrator. If it is not possible to reconcile the Daily Work Records, then the Contractor shall submit the un-reconciled Daily Work Records with its claim, whereby the resolution of the dispute about the Daily Work Records shall not be resolved until there is a resolution of the claim.

**GC 8.02.05.03            Payment for Work**

.01 Payment as herein provided shall be full compensation for all labour, Equipment, and Material to do the Work on a Time and Material Basis except where there is agreement to the contrary prior to the commencement of the Work on a Time and Material Basis. The payment adjustments on a Time and Material basis shall apply to each individual Change Order authorized by the Contract Administrator.

**GC 8.02.05.04            Payment for Labour**

- .01 The Owner shall pay the Contractor for labour employed on each Time and Material project at 135% of the Cost of Labour up to \$3,500, then at 120% of any portion of the Cost of Labour in excess of \$3,500.
- .02 The Owner shall make payment in respect of Payroll Burden for Work on a Time and Material Basis at the Contractor's actual cost of Payroll Burden.
- .03 At the Owner's discretion, an audit may be conducted in which case the actual Payroll Burden so determined shall be applied to all Time and Material work on the Contract.

**GC 8.02.05.05            Payment for Material**

.01 The Owner shall pay the Contractor for Material used on each Time and Material project at 120% of the Cost of the Material up to \$3,500, then at 115% of any portion of the Cost of Material in excess of \$3,500.

**GC 8.02.05.06            Payment for Equipment**

**GC 8.02.05.06.01        Working Time**

- .01 The Owner shall pay the Contractor for the Working Time of all Equipment, other than Rented Equipment and Operated Rented Equipment, used on the Work on a Time and Material basis at the 127 Rate.
- .02 The Owner shall pay the Contractor for the Working Time of Rented Equipment used on the Work on a Time and Material Basis at 110% of the invoice price approved by the Contract Administrator up to a maximum of 110% of the 127 Rate. This constraint shall be waived when the Contract Administrator approves the invoice price prior to the use of the Rented Equipment.
- .03 The Owner shall pay the Contractor for the Working Time of Operated Rented Equipment used on the Work on a Time and Material Basis at 110% of the Operated Rented Equipment invoice price approved by the Contract Administrator prior to the use of the Equipment on the Work on a Time and Material Basis.

**GC 8.02.05.06.02        Standby Time**

- .01 The Owner shall pay the Contractor for Standby Time of Equipment at 35% of The 127 Rate or 35% of the invoice price whichever is appropriate. The Owner shall pay reasonable costs for Rented Equipment where this is necessarily retained in the Working Area for extended periods agreed to by the Contract Administrator. This shall include Rented Equipment intended for use on other work, but has been idled due to the circumstances giving rise to the Work on a Time and Material Basis.
- .02 In addition, the Owner shall include the Cost of Labour of operators or associated labourers who cannot be otherwise employed during the Standby Time or during the period of idleness caused by the circumstances giving rise to the Work on a Time and Material Basis.
- .03 The Contract Administrator may require Rented Equipment idled by the circumstances giving rise to the Work on Time and Material Basis to be returned to the lessor until the Work requiring the Equipment can be resumed. The Owner shall pay such costs as a result from such return.
- .04 When Equipment is transported, solely for the purpose of the Work on a Time and Material Basis, to or from the Working Area on a Time and Material basis, payment shall be made by the Owner only in respect of the transporting units. When Equipment is moved under its own power it shall be deemed to be working. The method of moving Equipment and the rates shall be subject to the approval of the Contract Administrator.

**GC 8.02.05.07            Payment for Hand Tools**

- .01 Notwithstanding any other provision of this Section, no payment shall be made to the Contractor for or in respect of Hand Tools or Equipment that are tools of the trade.

**GC 8.02.05.08            Payment for Work by Subcontractors**

- .01 Where the Contractor arranges for Work on a Time and Material Basis, or a part of it, to be performed by Subcontractors on a Time and Material basis and has received approval prior to the commencement of such Work, according to the requirements of subsection GC 3.09, Subcontracting by the Contractor, the Owner shall pay the cost of Work on a Time and Material Basis by the Subcontractor calculated as if the Contractor had done the Work on a Time and Material Basis, plus a markup calculated on the following basis:
  - a) 20% of the first \$3,500; plus
  - b) 15% of the amount from \$3,500 to \$12,000; plus

c) 5% of the amount in excess of \$12,000.

- .02 No further markup shall be applied regardless of the extent to which the work is assigned or sublet to others. If Work on a Time and Material Basis is assigned or sublet to a related entity or associated corporation with common ownership to the Contractor as defined by the *Securities Act*, RSO 1990, cS.5, then the Contractor markup is not permitted.

**GC 8.02.05.09 Submission of Invoices**

- .01 At the start of the Work on a Time and Material Basis, the Contractor shall provide the applicable labour and Equipment rates not already submitted to the Contract Administrator during the course of such Work.
- .02 Separate summaries shall be completed by the Contractor. Each summary shall include the Change Directive or Change Order number and covering dates of the Work and shall itemize separately the labour, Materials, and Equipment. Invoices for Materials, Rented Equipment, and other charges incurred by the Contractor on the Work on a Time and Material Basis shall be included with each summary.
- .03 Each month the Contract Administrator shall include with the monthly progress payment, the costs of the Work on a Time and Material Basis incurred during the preceding month all according to the Contract administrative procedures and the Contractor's invoice of the Work on a Time and Material Basis.
- .04 The final summary as per clause 8.02.05.09.02 shall be submitted by the Contractor within 60 Days after the completion of the Work on a Time and Material Basis.

**GC 8.02.05.10 Payment Other Than on a Time and Material Basis**

- .01 Clause GC 8.02.05 does not preclude the option of the Contract Administrator and the Contractor negotiating a Lump Sum Item or unit price payment for Change in the Work, Extra Work, and Additional Work.

**GC 8.02.05.11 Payment Inclusions**

- .01 Except where there is agreement in writing to the contrary, the compensation, as herein provided, shall be accepted by the Contractor as compensation in full for profit and all costs and expenses arising out of the Work on a Time and Material Basis, including all cost of general supervision, administration, and management time spent on the Work on a Time and Material Basis, and no other payment or allowance shall be made in respect of such Work on a Time and Material Basis.

**GC 8.02.06 Final Acceptance Certificate**

- .01 After the acceptance of the Work or, where applicable, after the Warranty Period has expired, the Contract Administrator shall issue the Final Acceptance Certificate. The Final Acceptance Certificate shall not be issued until all known deficiencies have been adjusted or corrected, as the case may be, and the Contractor has discharged all obligations under the Contract.
- .02 Any remaining amount of security shall be released upon Final Acceptance of the Contract.

**GC 8.02.07 Records**

- .01 The Contractor shall maintain and keep accurate Records relating to the Work, Changes in the Work, Extra Work, Additional Work and claims arising therefrom. Such Records shall be of sufficient detail to support the total cost of the Work, Changes in the Work, Extra Work, Additional Work and claims arising therefrom. The Contractor shall preserve all such original Records until 12 months after the Final Acceptance Certificate is issued or until all claims have been settled, whichever is longer. The Contractor shall require that Subcontractors employed by the Contractor preserve all original Records pertaining to

the Work, Changes in the Work, Extra Work, Additional Work and claims arising therefrom for a similar period of time.

- .02 The Owner may inspect and audit the Contractor's Records relating to the Work, Changes in the Work, Extra Work, and Additional Work at any time during the period of the Contract. The Contractor shall supply certified copies of any part of its Records required, whenever requested by the Owner.

**GC 8.02.08                      Taxes**

- .01 Where a change in Canadian Federal or Provincial taxes occurs after the date of tender closing for this Contract, and this change could not have been anticipated at the time of Tender, the Owner shall increase or decrease Contract payments to account for the exact amount of tax change involved.
- .02 Claims for compensation for additional tax cost shall be submitted by the Contractor to the Contract Administrator on forms provided by the Contract Administrator to the Contractor. Such claims for additional tax costs shall be submitted not less than 30 Days after the date of Final Acceptance.
- .03 Where the Contractor benefits from a change in Canadian Federal or Provincial taxes, the Contractor shall submit to the Contract Administrator on forms provided by the Contract Administrator, a statement of such benefits. This statement shall be submitted not later than 30 Days after Final Acceptance.
- .04 Changes in Canadian Federal or Provincial taxes that impact upon commodities, which when left in place form part of the finished Work, or the provision of services, where such services form part of the Work and where the manufacture or supply of such commodities or the provision of such services is carried out by the Contractor or a Subcontractor, are subject to a claim or benefit as detailed above. Services in the latter context means the supply and operation of Equipment, the provision of labour, and the supply of commodities that do not form part of the Work.
- .05 The Contractor shall add the Harmonized Sales Tax (HST) to all invoices.

**GC 8.02.09                      Liquidated Damages**

- .01 When liquidated damages are specified in the Contract and the Contractor fails to complete the Work according to the Contract, the Contractor shall pay such amounts as are specified in the Contract Documents.

**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION  
MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION E**  
**SUPPLEMENTARY GENERAL CONDITIONS**

**MUNICIPALITY OF WEST GREY**  
**SOUTH STREET RECONSTRUCTION**

Contract No. 25-10129-01

**SECTION E**  
**SUPPLEMENTARY GENERAL CONDITIONS**

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**MUNICIPALITY OF WEST GREY**

**SOUTH STREET RECONSTRUCTION**

**MUNICIPALITY OF WEST GREY**

Contract No. 25-10129-01

**SECTION E**

**SUPPLEMENTARY GENERAL CONDITIONS**

**SGC 1 ABBREVIATIONS (GC 1.02) AND DEFINITIONS (GC 1.04)**

For the purposes of this Contract, the abbreviations contained in GC 1.02 and in Schedule B of the Form of Tender, and definitions contained in GC 1.04, shall apply, except as may be modified or added to below:

"*Access Road*" means a private road built or existing road used by the Contractor to gain access to or within the site of the work or to a source of material;

"*Completion Certificate*", as defined in GC 1.04, may be in letter form;

"*Contract Administrator*", as defined in GC 1.04, shall be deemed to mean Cobide Engineering Inc. and/or its designated personnel;

"*Contract Documents*", as defined in GC 1.04, shall be extended to include the Information for Tenderers;

"*Controlling Operation*", as defined in GC 1.04, shall be made subject to the sole determination of the Contract Administrator as to which operations qualify as Controlling Operations;

"*Cut-Off Date*" means the date up to which an interim payment will be made for work performed, and shall be agreed upon between the Contractor and Contract Administrator as being either the middle of each month or the end of each month;

"*Final Acceptance*" shall take place on the date of expiration of the warranty period as provided for in SGC 21;

"*Highway*" shall be as defined in GC 1.04 except that the word "highway" contained in its definition shall be replaced with the word "road";

"*S.P.D.*" means Standard Proctor Density;

"*Standard Specification*", as defined in GC 1.04, shall be deemed to include all Municipal and Ontario Provincial Standard Drawings, or other Standard Drawings, depending upon context, which may be included as part of the Contract Documents.

"*Warranty Period*", as defined in GC 1.04, is changed to read "means the period identified in SGC 21. Where the date of substantial performance is not established, the warranty period shall commence on the date of completion."



**SGC 2 FINAL ACCEPTANCE (GC 1.07)**

.1 The following is added as Paragraph 02 of GC 1.07:

**" 02) Final Acceptance will take place upon the date of expiry of the warranty period as provided for in SGC 21."**

**SGC 3 RELIANCE ON CONTRACT DOCUMENTS (GC 2.01)**

.1 Paragraph 01a) of GC 2.01 is deleted and replaced by the following:

**" a) the locations of all mainline underground utilities which will affect the work are not necessarily shown on the Contract Drawings and where shown, the accuracy of the position of such utilities and structures is not guaranteed. Before starting work, the Contractor shall inform himself of the exact location of all such utilities and structures, and shall assume all liability for damage to them."**

.2 The following is added as part of Paragraph 01) of GC 2.01:

**" b) The Owner does not warrant or make any representation with respect to interpretations of data or opinions expressed in any geotechnical report available for the perusal of the Contractor, whether or not such report is included as part of the Contract Documents; and"**

.3 The following is added as part of Paragraph 02) of GC 2.01:

**" 02) Where the Owner has provided geotechnical reports, the users of this information and of the interpretations contained therein shall satisfy themselves as to the nature and specifics of the geotechnical conditions as relating to their needs and, if such information and interpretations are insufficient to satisfy such needs, shall carry out their own investigations."**

**SGC 4 ORDER OF PRECEDENCE (GC 2.02)**

.1 Item (f) in Paragraph 01 of GC 2.02 is amended to read "**(f) Tender and Instructions to Tenderers**", and Instructions to Tenderers shall take precedence and govern over the Tender.

.2 Paragraph 03 of GC 2.02 is deleted and replaced by the following:

**" 03) In the event of any conflict in the contents of Standard Specifications the following order of precedence shall govern:**

**(a) Municipal or Owner' s Standard Specifications; then**

**(b) Ontario Provincial Standard Specifications; then**

(c) other standard specifications, such as those produced by CSA, CGSB, ASTM and ANSI, and referenced in the Ontario Provincial Standard Specifications."

**SGC 5 TIME (GC 3.06)**

- .1 Time is of the essence of this Contract.
- .2 The Contractor shall diligently prosecute the Work of this Contract to completion on or before the completion date or the expiration of the working days, as the case may be, stipulated in the Form of Tender.
- .3 If the time limit specified is not sufficient to permit completion of the work by the Contractor working a normal number of hours each day or week on a single daylight shift basis, it is expected that additional and/or augmented daylight shifts will be required throughout the life of the Contract to the extent deemed necessary by the Contractor to ensure that the work will be completed within the time limit specified. Any additional costs occasioned by compliance with these provisions will be considered to be included in the prices bid for the various items of work and no additional compensation will be allowed therefore.
- .4 Extensions of time will be considered in accordance with GC 3.06.
- .5 Working time shall be charged until the date of completion, as determined by application of the provisions of GC 1.06 and, if applicable, pursuant to the definition of "*Working Days*" in GC 1.04.
- .6 For the purposes of Working Day contracts:
  - (a) The Contract Administrator will furnish to the Contractor for his signature a weekly "Statement of Record of Working Days". The Contractor will be allowed two weeks in which to file a written protest setting forth in what respects the weekly statement is incorrect; otherwise, the statement shall be deemed to have been accepted by the Contractor as correct. Any protest shall be resolved in accordance with GC 3.14; and
  - (b) Subject to contrary scheduling provisions elsewhere in the Contract Documents, the charging of Working Days will commence seven days following the date of a written order from the Contract Administrator to the Contractor to commence work, as provided for by SGC 12.2.

**SGC 6 DELAYS (GC 3.07)**

- .1 Subparagraph (d) is deleted from Paragraph 01 of GC 3.07.
- .2 In Paragraph 01 of GC 3.07, the words "*provided that in the case of ... abnormal inclement weather ... application*" are replaced with the following:
 

**"provided that in the case of a Suspension of Work pursuant to Subsection GC 7.10, such reimbursement shall not include the costs related to the first two hours of such suspension of work."**

**SGC 7 SUB-CONTRACTING BY THE CONTRACTOR (GC 3.09)**

- .1 Paragraph 02 of GC 3.09 is amended by the addition of the following as the last sentence:

**"Such notification shall be within two working days of the tender closing date, if the List of Proposed Sub-contractors was not completed when the tender was submitted."**

- .2 Paragraph 03 of GC 3.09 is deleted and replaced by the following:

**" 03) The Owner may, for reasonable cause to be expressed in writing, object to the use of a proposed sub-contractor and may require the Contractor to employ a different sub-contractor, in which case:**

**(a) The Contractor shall not be required to employ as a sub-contractor a person or firm to whom the Contractor may reasonably object; and**

**(b) The tendered Contract Price shall be adjusted by the difference in cost and mark-up occasioned by such required change; and**

**(c) If the change is demanded prior to award, such adjustment may, but shall not necessarily, be considered by the Owner and Contract Administrator in determining the relative rankings of the tenders. "**

**SGC 8 CLAIMS PROCEDURE (GC 3.13.03)**

- .1 The following is added as Paragraph 02 of GC 3.13.03:

**" 02) The Contractor shall provide written Notice of Intent to Claim within 7 days of the commencement of any work which may be affected by the situation."**

**SGC 9 MANAGEMENT AND DISPOSITION OF MATERIALS (GC 4.03)**

- .1 Further to GC 4.03, the Owner may, without further notice, withhold payment of monies due to the Contractor until the Contractor shall have provided the Contract Administrator with two copies each of a release signed by the property owner (the "Property Owner(s)") of each pit, borrow area, or waste disposal area used by the Contractor.

Releases shall be made out as follows:

<p>FROM: [the Property Owner]</p> <p style="text-align: right;">DATE: _____</p> <p>TO: MUNICIPALITY OF WEST GREY</p> <p>Dear Sir:</p> <p>I hereby certify that (Contracting Firm Name) have fulfilled the terms of our Agreement and have left my property in a satisfactory condition.</p> <p>I have accepted their final payment and release (Contracting Firm Name), COBIDE ENGINEERING INC., and MUNICIPALITY OF WEST GREY from further obligations.</p> <p>Yours very truly,</p> <p>(Signature)</p>
--

- .2 Final payment will not be made to the Contractor until all of the applicable forms of release have been signed by the Property Owner(s) and received by the Contract Administrator.

**SGC 10 SUBSTITUTIONS (GC 5.04)**

- .1 Further to the requirements of GC 5.04, the Contractor shall submit requests for substitution within three (3) weeks of the award of the Contract.

**SGC 11 CONTRACTOR'S INSURANCE (GC 6.03)**

- .1 GC 6.03.02 paragraph 01 is amended to also include COBIDE ENGINEERING INC., THE CORPORATION OF THE COUNTY OF GREY and MUNICIPALITY OF WEST GREY.
- .2 GC 6.03.04 and GC 6.03.05.02 are deleted.
- .3 Paragraph 03 of GC 6.03.02 is amended by deleting the words: "*, and thereafter to be maintained for a further period of 4 years*".

**SGC 12 CONTRACTOR'S RESPONSIBILITIES - GENERAL (GC 7.01)**

- .1 The words "*are known*" at the end of Paragraph 01 of GC 7.01 are replaced with the words "**we were considered by the Contractor in the preparation of the tender and are known by the Contractor**".
- .2 The written order to commence work referred to in Paragraph 02 of GC 7.01 may consist of a minute in the Minutes of the Pre-Construction Meeting. In this case, the Contractor shall be deemed, for the purposes of this Contract, to have received the written order to commence work at the Pre-Construction Meeting.

- .3 The "*Authorized Representative*" referred to in Paragraph 09 of GC 7.01 shall be a competent superintendent or foreman capable of reading and thoroughly understanding the plans and specifications and of adequately communicating with the Contract Administrator and his representatives and thoroughly experienced in the type of work being performed, who shall receive instructions from the Contract Administrator or his authorized representatives. Such superintendence shall be furnished irrespective of the amount of work sublet and shall include the supervision and direction of all sub-contractors.
- .4 The words "*tolerances given in Subsection 2.01, Reliance on Contract Documents*" in Paragraph 13 of GC 7.01 shall be replaced with the words "**following tolerances: 1 m horizontal and 0.3 m vertical**".
- .5 The following are added as Paragraphs 16 and 17 of GC 7.01:
- " 16) **The Contractor shall attend such meetings as may be required by the Contract Administrator to coordinate services affected by the Contract and work to be done under the Contract.**
- 17) **The Contractor shall employ only orderly, competent and skilful workers to do the work. Whenever the Contract Administrator shall inform the Contractor in writing that any worker on the work is, in the opinion of the Contract Administrator, incompetent, unfaithful or disorderly, such worker shall be discharged from the work and shall not again be employed on the work without the consent in writing of the Contract Administrator."**

### SGC 13 LAYOUT (GC 7.02)

- .1 The intent of this Contract is that the Contract Administrator (not the Contractor) shall provide basic offset stakes and grades from which the Contractor shall establish such other necessary stakes, marks and reference points as the Contractor may need to perform the work. Typically, the Contract Administrator shall install the following offset stakes ONCE ONLY.
- Grading: 50 mm x 50 mm offset line/grade stakes for rights-of-way and rear lot lines (maximum 20 m intervals).
- Undergrounds: One 50 mm x 50 mm offset line/grade stake at each manhole, catchbasin, water valve, and group of services into each lot.
- Roadworks: 50 mm x 50 mm offset line/grade stakes for profile grade (maximum 20 m intervals).
- Accordingly, GC 7.02 is amended as follows:
- .2 The words "*and the Contractor*" are deleted from Paragraph 01 of GC 7.02, but the Contractor shall become familiar with the location of all property bars and benchmarks.

- .3 Further to Paragraph 02 of Section GC 7.02, markers or poles 1.2 to 1.5 m in height painted red on top shall be placed by the Contractor at each iron bar and monument to protect same, and the Owner may hold monies of the final or any payment due to the Contractor until the disturbed property bars are replaced and a letter so certifying is received by the Owner from an Ontario Land Surveyor.
- .4 In Paragraphs 02 and 07 of GC 7.02, the words "*at no extra cost to the Owner*" are deleted and replaced with the following:
- "at the expense of the Contractor (except where such property bars were, in the opinion of the Contract Administrator, unavoidably destroyed as a direct consequence of the work of the Contract). The Owner shall, by Change Order, deduct such replacement costs from subsequent payments to the Contractor."**
- .5 Paragraph 04 of GC 7.02 is deleted in its entirety.
- .6 Paragraph 06 of GC 7.02 is deleted and replaced by the following:
- " 06) The Contractor shall assume full responsibility for alignment, elevations and dimensions of each and all parts of the work. In particular, the Contractor shall check and verify the accuracy of the layout, and shall promptly advise the Contract Administrator in writing of variances observed. If the Contractor performs any work without such written notice of problems with respect to the layout, the Contractor shall be deemed to have accepted the layout as being accurate and shall have no recourse to the Owner or Contract Administrator for the consequences."**
- .7 In the event that the Contractor's forces disturb layout stakes, marks and reference points to the extent that the Contract Administrator must repeat layout work that would not, in the Contract Administrator's sole judgement, otherwise have had to be repeated, the Owner reserves the right to back charge the costs involved to the Contractor.

#### **SGC 14 DAMAGE BY VEHICLES OR OTHER EQUIPMENT (GC 7.04)**

- .1 Further to GC 7.04, where existing private entrances connect with or are in the vicinity of the Project and have been disturbed by the Contractor, the Contractor shall restore such entrances to their original condition or better. Such restoration shall be to the satisfaction of the property owner and of the Contract Administrator.
- .2 No additional compensation will be made for such restoration work unless there are specific items for entrance restoration in the Form of Tender.

#### **SGC 15 MAINTAINING ROADS AND DETOURS (GC 7.06)**

- .1 The following are added as Paragraphs 12, 13, 14 and 15 of GC 7.06:
- " 12) In addition to the above, the Contractor shall promptly and regularly clean the streets, sidewalks or boulevards adjacent to or near the Working Area, where material has**

been deposited as a result of the Contractor's operations.

- 13) **The Contractor shall take such steps as may be required to prevent dust nuisance resulting either from his operations or from public traffic where it is the Contractor's responsibility to maintain a public roadway through or adjacent to the Work.**
- 14) **If such steps include water, the provisions of SGC 30 shall apply.**
- 15) **If such steps involve the use of calcium chloride or other similar agent, no separate payment will be made for such use unless specific items for same are included in the Form of Tender."**

#### **SGC 16 MAINTAINING ROADWAYS AND DETOURS (GC 7.06)**

- .1 Further to Paragraph 01 of GC 7.06, the Contractor may apply to the Contract Administrator for permission to close any part of or all of an existing roadway where such closure is warranted by the nature of the Work and specific item(s) for same are provided in the Form of Tender. Such closure shall not, in any event, be allowed without prior written approval of the Contract Administrator.
- .2 In Paragraph 01 of GC 7.06, the phrase "*including the road under construction*" shall be modified to read "**including, if applicable, the road under construction**".
- .3 The requirement of Paragraph 01 of GC 7.06 for traffic control signing is hereby extended, if and as required by the nature of the work of this Contract, to include such signing on streets or highways adjacent to the site to the satisfaction of the Road Authority having jurisdiction. All such signing shall, at a minimum, conform to the Manual of Uniform Traffic Control Devices.
- .4 Paragraph 05 of GC 7.06 is deleted and replaced by the following:
  - " 05) **The Contractor is responsible for providing and maintaining all means of access and related drainage systems throughout the site at all times. No separate payment will be made for such provision and maintenance, except when and to the extent that the maintenance involves an existing public roadway and that such maintenance is provided for by specific items in the Tender."**

#### **SGC 17 ACCESS TO PROPERTIES ADJOINING THE WORK (GC 7.07)**

- .1 Further to Paragraph 01 of GC 7.07, the Contractor shall restore access to all businesses and/or residences adjacent to the work every night so as to allow easy access by both pedestrian and vehicular traffic. The Contractor shall take all efforts to minimize disruption of vehicular traffic to business and residence properties; when such disruptions are necessary, the Contractor shall give the business and residence properties in question at least forty-eight hours notice of intention to do so.

- .2 Before closing any street or portion thereof, the Contractor shall take due precautions to see that no vehicle is blocked in any private drive, garage, etc., in such a way that the owner of the vehicle will be unable to use it.
- .3 It is the responsibility of the Contractor to make the necessary arrangements to control the parking of private vehicles on the streets upon which he plans to work.

**SGC 18 OBSTRUCTIONS (GC 7.13)**

- .1 In Paragraph 02 of GC 7.13, the words "*and the location so shown is within the tolerance specified in Paragraph 01a) of Subsection GC 2.01, Reliance on Contract Documents*" are deleted.

**SGC 19 LIMITATIONS OF OPERATIONS (GC 7.14)**

- .1 Paragraph 02 of GC 7.14 is amended to extend the requirement for cooperation by the Contractor to also include the MUNICIPALITY OF WEST GREY, County of Grey and adjacent property owners.
- .2 The following is added as Paragraph 03 of GC 7.14:

**" 03) The Contractor shall be responsible for the repair and restoration of all damage beyond the working limits shown on the Contract Drawings, at no extra cost to the Owner, unless the Contractor's activities causing such damage were authorized in writing and in advance by the Contract Administrator."**

**SGC 20 CLEANING UP BEFORE ACCEPTANCE (GC 7.15)**

- .1 The requirements of Paragraph 02 of GC 7.15 for removal of debris shall be extended, for the purposes of Completion, to incorporate the provisions of SGC 16.1.
- .2 In particular, and without limiting the generality of Paragraph 02 of GC 7.15, any and all debris or material of any kind which as a result of the Contractor's operations enters any catchbasins, manhole, sewer line, valve box, valve chamber, or similar structure must be removed by the Contractor. There will be no separate payment for this requirement, cost of same being deemed to be included in the unit prices for the Contract.

**SGC 21 WARRANTY (GC 7.16) – 24 Months**

- .1 In Paragraph 02a) , of GC 7.16, the words "*12 months from the date of Substantial Performance of the Work, as set out in the Certificate of Substantial Performance of the Work, or where there is no Substantial Performance certificate, 12*" shall be replaced with "**24**".
- .2 The following are added as Paragraphs 04, 05 and 06 of GC 7.16:

**" 04) The decision of the Contract Administrator as to the nature, extent and cause of such imperfections and the necessity for remedying the same shall be final. Should the Contractor fail to comply with the direction of the Contract Administrator, the Owner may, after giving the**



Contractor seven (7) days written notice, perform the necessary work, provided that in the event of an emergency, of which the Contract Administrator shall be the sole judge, the Owner may forthwith without notice perform the necessary work and the cost of such work in either event may be deducted or collected from the Contractor by the Owner.

05) If the Contract Administrator shall have notified the Contractor in writing of imperfections prior to the termination of the warranty period, the Contractor shall make good the imperfections as specified above notwithstanding that the work of making good may commence after or extend beyond the end of the warranty period. In such case, the warranty period shall expire on the date of final acceptance of the work by the Owner, on which date all known deficiencies and imperfections shall have been corrected.

06) The Contract Performance Security, as required by IT 11 of the Information for Tenderers, shall be endorsed to include the period of warranty as required herein and shall remain in force until the expiration of such warranty period."

#### **SGC 22 MEASUREMENT (GC 8.01)**

.1 Paragraph 03 of GC 8.01.01 is deleted and replaced by the following:

" 03) Measurement of the quantities of work will be by actual field measurement in accordance with the units specified in the Schedule of Unit Prices and the Special Provisions, if any, for each item."

#### **SGC 23 ADVANCE PAYMENTS FOR MATERIAL (GC 8.02.03)**

.1 GC 8.02.03 is deleted in its entirety. The Owner will not make advance payments for material.

#### **SGC 24 CERTIFICATION AND PAYMENT (GC 8.02.04)**

.1 All paragraphs of GC 8.02.04 are subject to the provisions of the Construction Lien Act.

.2 The words "*and material supplied*" are deleted from Paragraph 01) of GC 8.02.04.01.

.3 Paragraph 03 of GC 8.02.04.01 is deleted and replaced by the following:

" 03) The Contractor shall sign three copies of each Progress Payment Certificate, shall keep one and shall return the other two to the Contract Administrator. The Contract Administrator shall, immediately upon receipt of the copies signed by the Contractor, forward one copy to the Owner."

.4 Paragraph 03 of GC 8.02.04.01 is deleted and replaced by the following:

**" 04) Payment will be made within 30 days of receipt of the Progress Payment Certificate by the Owner."**

.5 Paragraph 01 of GC 8.02.04.05 is amended by replacing the word "*and*" after the words "***Substantial Performance Payment Certificate***" with the following:

**" . 60 days after the date of publication of the Certificate of Substantial Performance, the Contract Administrator shall issue".**

.6 Paragraph 01 of GC 8.02.04.07 is amended by replacing the word "*and*" after the words "***Completion Payment Certificate***" with the following:

**" . 60 days after the date of completion, the Contract Administrator shall issue".**

.7 Subparagraph (a) of Paragraph 01 of GC 8.02.04.09 is deleted and replaced with the following:

**"(a) Progress Payment: a date 30 days following receipt of the Progress Payment Certificate by the Owner;"**

.8 GC 8.02.04.10, Interest for Negotiations and Claims, is hereby deleted in its entirety. The Owner will not pay interest for negotiations and claims.

#### **SGC 25 PAYMENT ON A TIME AND MATERIAL BASIS (GC 8.02.04)**

.1 Except for the definition in GC 8.02.05.01 of "*the 127 rate*", any reference in GC 8.02.05 to "*the 127 rate*" shall be changed to read "**the prevailing local rate or the current OPSS Form 127 rate, whichever is lower**".

.2 Paragraph 02 of GC 8.02.05.09 is amended by deleting the words "*according to the standard form 'Summary of Accounts on a Time and Material Basis'*".

#### **SGC 26 PAYMENT OF WORKERS (GC 8.02.06)**

.1 Further to GC 8.02.06 Payment of Workers, this Contract is subject to the most recent versions of the Industrial Standards Act, the Employment Standards Act, 1981, and the regulations made thereunder. The minimum wage rates set out in the Roads and Structures Fair Wage Schedule, issued by the Ministry of Labour, apply to this Contract and are subject to change periodically. Any increase in costs incurred by a change in the wage rates shall be borne by the Contractor.

#### **SGC 27 LIQUIDATED DAMAGES (GC 8.02.09)**

.1 In the event that all the work called for under the Contract is not completed to the satisfaction of the Contract Administrator within the time for completion set out in the Contract or as extended in accordance with the Contract, damage will be sustained by the Owner and it will be impracticable and extremely difficult to ascertain and determine the actual damage which the Owner will sustain in such event, and accordingly the Contractor will pay to the Owner the sum of **ONE THOUSAND DOLLARS - \$1,000.00** per calendar day as liquidated damages for each and every calendar day's delay in completing the work beyond such date,

**plus** the full costs of Engineering and Inspection incurred in the period beyond the time allowed for completion, the said amounts being collectively a genuine estimate of the actual damage which the Owner will sustain in such event.

- .2 The Owner may deduct any amount due as liquidated damages from any monies that may be due or payable to the Contractor on any account whatsoever. The liquidated damages payable in accordance with the preceding paragraph are in addition to and without prejudice to any other remedy, action or other alternative that may be available for the Owner.
- .3 Charging of liquidated damages shall continue until the Date of Completion pursuant to GC 1.06.

**SGC 28 STATUTORY DECLARATION (GC 8.02.03)**

- .1 For the purposes of GC 8.02.04.05 and GC 8.02.04.07, the Form of "Statutory Declaration Re: Liens and Payment of Accounts" attached hereto shall be acceptable to the Contract Administrator.

(to be completed upon substantial performance of the Contract)

CANADA

IN THE MATTER of a Contract, known as the Contract for the Construction of

PROVINCE OF .....
COUNTY OF .....

between MUNICIPALITY OF WEST GREY and

on ..... 20. . . .
in \_\_\_\_\_, Ontario.

TO WIT:

I, ..... of ..... in the
(Name) (Place of Residence)

Province of ..... do solemnly declare:

- 1. That I am ..... of the
(President, Secretary, Treasurer, a Partner, etc.)
Contractor named in the Contract above-mentioned and as such have personal knowledge of the facts hereunder declared.
2. That all workmen employed by the said Contractor in the performance of the said Contract have been paid in full not less frequently than semi-monthly and up to and including the payday immediately preceding the date of this declaration.
3. That the said Contractor has complied with the requirements of statutes and regulations of the Province of Ontario relating to the payment of wages and with the requirements of the said Contract relating to the payment of wages.
4. That, with the exception of the disputed accounts set forth in Paragraph 5 hereof and amounts held back and payments deferred by written agreement, all liabilities incurred by the said Contractor arising out of work performed up to \_\_\_\_\_ 20\_\_\_\_, set forth in the Monthly Estimate relating to Payment Certificate No.\_\_\_\_, have been discharged

5. That the following is a complete list of disputed accounts:

Name of Creditor	Service Rendered	Total Claim (\$)	Amount in Dispute (\$)	Amount Paid (\$)
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(If there are no disputed accounts, enter "NONE" above.)

6. That all persons who have placed or furnished any material or things to be used in connection with the above Contract have been fully paid or their claims have been settled in respect of such work, service, materials or things and there are no liens, garnishees, attachments or claims relating thereto.

7. That all Sub-contractors who were engaged in or in any manner associated with the performance of any part of the above Contract have been fully paid or their claims have been settled in respect thereof except to the extent that moneys have been held back by written agreement with any such Sub-contractors.

8. That all Sub-contractors who were engaged in or in any manner associated with the performance of any part of the above Contract have discharged all liabilities which they incurred in respect thereof.

9. That all claims for damage to property or injury to persons of which the above-named Contractor has received notice have been fully paid or settled, except for the following:

Claimant	Description of Claim	Amount of Claim (\$)	Amount Paid (\$)
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(If there are no disputed claims, enter "NONE" above.)

10. That the above-named Contractor has not had any notice of any grounds for a claim (other than those covered by Paragraph 5 or 9 above) connected with this Contract by a third party and for which a claim might be made, except for the following:

Claimant	Description of Claim	Amount of Claim (\$)	Amount Paid (\$)
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(If there are no disputed claims, enter "NONE" above.)

AND I MAKE THIS SOLEMN DECLARATION conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of "The Canada Evidence Act".

DECLARED before me at the

..... ) .....  
of ..... ) .....  
in the County of ..... ) .....  
this . . . . . day of ..... )  
20 .....

*INSTRUCTIONS*

1. In the Contractor's own interest, he should complete this declaration carefully and correctly. Mistakes or omissions will probably result in delayed payment. The declaration is to be submitted to the Contract Administrator in duplicate together with the Monthly Progress Claim at the substantial performance stage of the Contract and must be signed by an authorized signing officer of the Contract. Declarations signed by others will not be acceptable.
2. This declaration must be sworn before a Commissioner for Oaths, Notary Public or Justice of the Peace.  
  
The person making the oath signs at the right and the person before whom the oath is made signs on the left of the brackets.
3. In Paragraph 4, the payments referred to are payments due to all staff, sub-contractors, suppliers, Workmen's Compensation Board and insurance companies.
4. In Paragraph 4, the date to be entered is that which is shown on the last payment certificate, and the payment certificate number to be entered is that which is shown on the last payment certificate. Except as required by Paragraphs 2 and 3 hereof, it is not necessary for the Contractor to declare in respect of accounts relating to the work set forth in the payment certificate issued upon Substantial Performance of the Contract.

**SGC 29 UTILITIES REQUIRED FOR CONSTRUCTION PURPOSES**

- .1 Water, electricity and heat required by the Contractor to fulfil the requirements of the Contract shall be provided by the Contractor and there will be no separate payment made for this requirement, cost of same being deemed to be included in the unit prices for the Contract.
- .2 Water required to aid compaction, fill watermains and appurtenances, conduct tests, flush watermains or used in clean-up may be obtained from the municipal water distribution system. The Contract Administrator shall be notified prior to any water being taken from the distribution system. No payment will be made for water used by the Contractor unless specific items for same exist in the Schedule of Unit Prices.

**SGC 30 DEWATERING/CONTROL OF SURFACE WATER**

- .1 Unless otherwise specified elsewhere in this Contract, all drainage, pumping and other measures to control water are the Contractor's responsibility and are deemed to be included in the Contract Unit Prices. These measures may include but are not limited to the following:
  - a) For all operations (including final grading) under this Contract, adequate grading and/or the provision of ditches or swales to provide positive controlled drainage of cut and fill areas;
  - b) For all excavation, including trenching, adequate provision for pumping, which may or may not consist in whole or in part of well points or other dewatering methods;
  - c) Spot pumping of localized areas of ponding of water to ensure minimal saturation of grade and/or subgrade;
  - d) Provision and removal of adequate culverts and other structures under on-site access paths required by and/or built by the Contractor;
  - e) Provision and removal of siltation/water quality control systems.

There will be no additional payment for any such dewatering works unless specific items are listed in the Form of Tender.

- .2 In particular, the requirements of OPSS 517, "Construction Specification for Dewatering", and OPSS 518, "Construction Specification for Control of Water" shall apply.

**SCG 31 DUST CONTROL**

- .1 The Contractor shall take such steps as may be required to prevent dust nuisance resulting from the operations either within the contract limits, on detours, or elsewhere, or by public traffic, where it is the Contractor's responsibility to maintain a roadway through the work.

- .2 Where the work requires the sawing of asphalt or the sawing or grinding of concrete, blades and grinders of the wet type shall be used together with sufficient water to prevent the incidence of dust, wherever dust would affect traffic or wherever dust would be a nuisance to residents of the area where the work is being carried out.
- .3 The cost of all preventative measures required by the Contract Administrator outside the limits of the contract shall be borne by the Contractor. The cost of such measures within the contract shall be borne by the Contractor except in contracts where tender items include "Water for Compaction and Dust Control" or "Calcium Chloride" or both. In such cases, the Contractor shall be paid by the Owner at the contract unit price(s) for the appropriate item(s).

### **SCG 32 CONTRACTOR SUBMISSIONS**

- .1 Prior to commencing construction, the Contractor shall submit to the Contract Administrator and where necessary have approved, all documentation required by the Contract. Without limiting the generality of the foregoing, such documentation shall include, as a minimum:
  - a) Equipment List (including rates) and Labour Rates;
  - b) Ministry of Labour Notice of Project;
  - c) Certificate of Insurance;
  - d) WSIB Clearance Certificate;
  - e) List of working drawings(if applicable), submittals and submittal schedule;
  - f) Watermain Commissioning Plan;
  - g) All other documentation specified in the Contract.

### **SCG 33 INCIDENTAL ITEMS**

- .1 The following is a partial list of items the cost of which is to be included in the Unit Prices of the Tender unless specifically included as a separate tender item. No additional payment will be made for the following:
  - a) Cost of Permits and Fees;
  - b) Cost of providing and maintaining barriers, signs and lights as required for the safe and proper movement of pedestrians within the project limits;
  - c) Cost of protecting existing utilities;
  - d) Cost of equipment and labour required to maintain existing roads and streets used by the contractor as a haul road, if and when the Contract Administrator directs that the Contractor's operations were the direct cause of damage and/or dirtying of streets;
  - e) Cost of coordination with utility companies and other contractors working in the area;
  - f) Cost of construction schedule preparation and printing on a minimum bi-weekly basis if requested for construction meetings or as required by changes in the work or as requested by the Contract Administrator;
  - g) Cost of attendance of meetings;
  - h) Cost of preparing, submitting and revising shop drawings, as required;
  - i) Cost of garbage pickup with the work area;
  - j) Cost of roadway cleanup.



**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION  
MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION F**

**SPECIAL PROVISIONS**

**MUNICIPALITY OF WEST GREY**  
**SOUTH STREET RECONSTRUCTION**

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION F**

**ITEM SPECIAL PROVISIONS**

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**MUNICIPALITY OF WEST GREY**  
SOUTH STREET RECONSTRUCTION

MUNICIPALITY OF WEST GREY

Contract No. 25-10129-01

**SECTION F**

**ITEM SPECIAL PROVISIONS**

**SP 1 - SUBMITTALS**

- .1 Submittals will be required for all materials to be installed. At a minimum a product brochure indicating conformance with applicable standards must be provided. The product brochure shall indicate which products specifically are to be used.
- .2 All materials submittals shall be submitted to the Contract Administrator within two (2) weeks of award of the Contract.
- .3 Materials that are delivered that do not conform with the shop drawings stamped "Reviewed" may be rejected.
- .4 Any products installed without being reviewed first may be rejected and may have to be replaced at the cost of the contractor.
- .5 There will be no separate Pay Item for this work and the cost of completing the work as specified herein shall be deemed to be included in the various unit prices bid for this Contract.

**SP 2 - TRACKING MATERIAL ON ROADS**

- .1 Materials tracked on any road or material falling from trucks shall be cleaned up immediately, and if required, the roads shall be broomed or flushed by the Contractor. The foregoing shall be at the Contractor's expense and shall be to the satisfaction of the Contract Administrator.

**SP 3 - HANDWORK AROUND EXISTING UTILITIES**

- .1 Under these items and for their respective tender prices bid, the Contractor shall hand dig around any existing utilities that the Contract Administrator, Owner, Municipality or Utility Company deems necessary to be hand dug.
- .2 The Contract Administrator, Owner, Municipality or Utility Company not advising the Contractor of any locations to be hand dug will not relieve the Contractor of his responsibility should damage result.
- .3 Special note should be made that there is a major bell line (potential toll line) on the south side of Durham Road East.
- .4 Any additional costs relating directly or indirectly to this method of operation shall be borne by the Contractor.

**SP 4 - WORK AROUND EXISTING STRUCTURES**

- 1 The Contractor's attention is drawn to the possible presence of underground utilities. The locations of such, if indicated on the drawings represent to the best of the Owner and Contract Administrator's knowledge, the approximate location of such utilities. The Contractor shall

- interpret this information as he/she wishes with the understanding that the Owner and Contract Administrator disclaims all responsibility for its accuracy and/or sufficiency. The Contractor shall be responsible for all utility stakeouts as per the General Conditions as well as any inspection or test pits required and the inspection of any manholes, catchbasins, sewers or vaults necessary to locate any utility. The Contractor shall be wholly responsible for the accuracy of the information gathered by their own forces.
- .2 Under these items and for their respective tender prices bid, the Contractor will be responsible for the location and safeguard of all structures both above and below the ground, including signs, poles and underground utilities, and shall take whatever precautions are necessary to ensure that they are not damaged. The Contractor shall have Municipal or Utility Company representatives on the site when he, the Contract Administrator, the Owner, the Municipality or the Utility Company feels it is required. The Contract Administrator, the Owner, the Municipality or Utility Company not advising the Contractor to have a Municipal or Utility Company representative on the site shall in no way relieve the Contractor of his responsibility on this contract. Prior to beginning excavation for the installation of new infrastructure, the contractor shall expose all existing utilities that cross the proposed storm and sanitary sewer and watermain.
  - .3 Should damages result from any of the Contractor's operations, the costs involved for repairs to rectify the damage shall be the sole responsibility of the Contractor and for any costs incurred by the Municipality or Utility Company for their site representative.
  - .4 The work site is also located directly adjacent to overhead power transmission lines. The contractor shall be aware of such lines at all times and shall utilize equipment and methodologies in the undertaking of the work that do not constitute a hazard or safety violation under the Occupational Health and Safety Act.
  - .5 The Contractor shall take all necessary precautions and shall be responsible for the protection, support, and/or shoring of any and all existing utilities. There shall be no payment for such protection and the costs to complete shall be included in the tender unit prices.

#### **SP 5 - SURPLUS MATERIALS**

- .1 Unless otherwise indicated on the Contract Drawings or by the Contract Administrator, excavated material shall be disposed of off-site at the Durham Landfill. No testing is required for disposal at the landfill, however should the contractor choose not to utilize the landfill to dispose of excavated materials from the South Street Reconstruction project and find an off-site disposal location, testing will be require and all testing costs associated with the new disposal site will be borne by the Contractor. The Contractor will be required to conform to O. Reg. 406/19.
- .2 The Contractor is to be aware that the existing watermain and sanitary sewers and laterals may contain asbestos. When this material is encountered the Contractor is to ensure that it is property handled and then disposed of as per the regulations. As a minimum the material is to be double wrapped with 6 mil poly. This material is to be kept separate from any other material. The Town will make available containers for this material to be temporarily stored in on site. When the containers are ready to be emptied the Contractor shall arrange with the Town (at least 24 hours notice) to have an area prepared at the Municipalities Landfill. The contractor will be responsible for the pickup and delivery of the containers from the Municipal Landfill. There will be no tipping fees at the landfill for this material.
- .3 The Contractor will be responsible for levelling and shaping the pile as directed by the Contact Administrator and the Municipality.
- .4 There will be no separate Pay Item for this work and the cost of completing the work as specified herein shall be deemed to be included in the various unit prices bid for this Contract.

**SP 6 - STAGING AND SCHEDULING OF WORKS**

- .1 The underground works from Garafraxa Street to the western limit of the project will be completed first. This is to ensure that vehicular traffic can be detoured using Queen Street during the closure of Garafraxa Street.
- .2 The Municipality of West Grey is working with the MTO to obtain the necessary permits to allow for the full closure of Garafraxa Street on a short term basis. Appropriate forces and materials are to be on hand to ensure that the works can be completed within a 3 day timeframe. Exemptions from the noise by-law to allow longer working hours at the end of these two days will be provided if required. Garafraxa Street is to have a 60mm lift of HL4 asphalt in place at the end of the third day.
- .3 The Municipality of West Grey will be requesting permission from the MECP to allow for hand swabbing and chlorination of all watermain works within the intersection of Garafraxa Street and South Street to allow for immediate reconnection of the watermains.
- .4 Other than the paving of the Garafraxa Street intersection, all curbing and paving for the project will be completed at one time with appropriate traffic control.
- .5 The Municipality of West Grey will allow for the full closure of Albert Street for the duration of that portion of the project. Underground work on Albert Street should only commence once the underground on Garafraxa Street Road has been completed.
- .6 All curbing and paving for the project will be completed at one time with appropriate traffic control for each Phase of the project.
- .7 Phase 2 of the work will not be started until 2026 once Budget approval has been given. All Phase 2 work will be completed in 2026 with the exception of surface asphalt which will be delayed until 2027.
- .8 There will be no separate Pay Item for this work and the cost of completing the work as specified herein shall be deemed to be included in the various unit prices bid for this Contract.

**SP 7 - MOBILIZATION AND DEMOBILIZATION**

- .1 The work of this item shall include, without limitation, all labour, equipment, and material required to bring equipment and materials to the site, and to remove equipment and surplus materials from the site;
- .2 There will be no measurement for payment for this item. Payment of the tendered lump sum price for this item shall be compensation in full for all related costs. Payment shall be made 60% upon the first Progress Certificate after the equipment has arrived on site and 40% with the Substantial Completion Progress Certificate.

**SP 8 - BONDING**

- .1 There will be no separate Progress Payment Certificate made for this item. There will be no measurement for payment for this item. Payment of the tendered Lump Sum price for this item shall be compensation in full for all related costs. 100% of the lump Sum price shall be paid as part of the first Progress Payment Certificate for this project.

**SP 9 - MATERIALS TESTING**

- .1 The work of this item shall include, without limitation, all labour, equipment, and material required to complete materials testing as outlined below. All material testing is to be completed

by a qualified third-party geotechnical consultant. Results shall be forwarded immediately in paper format to the Site Inspector and by email to both the Site Inspector and the Contract Administrator. Only Third-Party test results will be considered.

- .2 The testing requirements are as follows:
- Granular Materials: Sieve Analysis (One per source per material) test to have been completed in last six (6) months
  - Asphalt:
    - Mix Design
    - Plate Sample – One Sample per batch (Testing in accordance with OPSS 310)
  - Compaction:
    - Trench – One Test per 100m of subgrade prior to placement of Granular 'B'
    - Road Granular – One Test per 100m per lane per lift
    - Asphalt – One Test per 100m per lane per lift
  - Concrete: Two cylinders per batch as per OPSS 1350  
Air Content and Slump test per batch per OPSS 1350
- .3 Measurement for payment for this item shall be lump sum. Payment at the tendered unit price shall be compensation in full for all related work. Payment breakdown will be as follows:
- Granular Materials: 10%
  - Asphalt:
    - Mix Design 10%
    - Plate Samples 10%
  - Compaction:
    - Trench 10%
    - Granular B 10%
    - Granular A 10%
    - Base Asphalt 10%
    - Surface Asphalt 10%
  - Concrete
    - Curb 10%
    - Sidewalk 10%

## SP 10 - TRAFFIC CONTROL

- .1 The Contractor shall supply, install, and maintain all traffic control signage throughout the duration of the Contract.
- .2 South Street will be permitted to be closed throughout the duration of the Contract with the exception of the Garafraxa Street Intersection. Local access shall be provided at all times. Homeowners will be given at minimum 48 hours notice if access to their property will be interrupted. **The Contractor is to give all notifications.**
- .3 As noted in SP5 the Garafraxa Street intersection will only be permitted to be fully closed for 3 days. All other works within the intersection will require one lane to be open. During the closure of the Garafraxa Street intersection, vehicular traffic will be detoured through Queen Street. Appropriate signage will be required to be installed along Highway 6 and County Road 4 to notify approaching trucks both of the turns as well as necessary advanced signage.
- .4 Advance notice of works signage is to be installed at the limits of the Connecting Link to notify traffic of upcoming closures.
- .5 A Traffic Control Plan shall be submitted for approval to the Contract Administrator, and Municipality by the Contractor within two (2) weeks of being awarded this Contract. The Traffic



- Control Plan shall provide a detailed outline of how traffic will be handled throughout the duration of the Contract and show the locations of all required signs and barricades during each phase of construction. The Traffic Control Plan shall conform to OTM Book 7.
- .6 The Traffic Control Plan will also need to address emergency access and pedestrian access including pedestrian safety.
  - .7 Emergency vehicles must be able to pass through the site at all times. Where this is deemed to be unattainable, the Contractor shall notify all emergency services of the exact location where they cannot pass as well as the duration of the closure. All efforts shall be made to re-open the roadway for emergency vehicles as quickly as possible.
  - .8 Payment on a proportional basis of the lump sum divided by the period (weeks) scheduled by the Contractor for the traffic control during construction shall be made if to the 100% satisfaction of the Contract Administrator and Municipality of West Grey. Should traffic control during construction not meet the above noted criteria, the weekly payment shall be denied.

#### **SP 11 - CLEARING AND GRUBBING**

- .1 This item shall include the removal and disposal of all trees, brush and vegetation in conflict with the installation of servicing and surface works. It is also to include the area around the storm outlet as indicated on the contract drawings.
- .2 Open fires shall not be located within the limits of this Contract. Trees, brush and debris shall be disposed Off-site. The Contractor shall arrange for disposal areas at his expense. The cost of which is to be included in the unit prices bid.
- .3 Work shall conform to OPSS 201.
- .4 Payment will be made on a lump sum basis. Payment shall be full compensation for all labour, equipment and materials required.

#### **SP 12 - TRAFFIC SIGN RELOCATION (As Required)**

- .1 The work of this item shall include, without limitation, the labour and equipment to relocate existing signs as required.
- .2 Signs shall be relocated as they are removed.
- .3 There shall be no measurement for payment of this item. Payment at the tendered lump sum price shall be compensation in full for all related work.

#### **SP 13 - PRE-CONSTRUCTION SURVEY**

- .1 Prior to construction, the Contractor shall undertake a precondition survey of the existing buildings and structures in the vicinity of the proposed construction activity for both phases of construction including a survey of the existing surface finish conditions. The Contractor shall also identify to the Contract Administrator any dwellings or structures that may be potentially impacted or damaged as a result of construction operations.
- .2 Under this item the Contractor shall carry out a precondition survey assessment of all dwellings, structures and landscape and driveway features. A qualified firm, acceptable to the Contract Administrator, shall carry out the inspections. The inspection firm shall supply two copies of their inspection report complete with photographs and/or videos to the Contract Administrator. The report shall contain the findings and recommendations for protecting any vulnerable dwellings, structures, or other features. The contractor is responsible for any impacts to dwellings that result from construction operations.

- .3 The Contractor is responsible for notifying affected residents prior to the survey.
- .4 The Contractor shall monitor vibration levels at the nearest building or structure to the construction activity. Vibration monitoring equipment shall be capable of recording longitudinal, transverse and vertical vibration waveforms. The vibration monitoring equipment shall be setup with a vibration alert of 8.0 mm/sec.
- .5 In the event that complaints are received regarding damage caused by the construction, the Contractor will be required to perform a survey of the dwellings/ structures involved.
- .6 There shall be no measurement for payment of this item. Payment at the tendered lump sum price shall be compensation in full for all related work.

#### **SP 14 - FULL DEPTH ASPHALT PULVERIZING**

- .1 The work of this item shall include, without limitation, the pulverizing of asphalt pavements in areas indicated on the Contract Drawings.
- .2 All asphalt pavement removed that is abutting asphalt to remain in place after construction, shall be saw cut full depth and have overlapping joints as per OPSD 509.010. In no case shall joints of asphalt lifts be in the same vertical plane.
- .3 All pulverized asphalt shall be mixed with the existing road base granular materials and used as trench backfill.
- .4 Measurement for payment for this item shall be in square metres of asphalt pulverized. Payment at the tendered unit price shall be compensation in full for all related work including saw cutting.

#### **SP 15 - PARTIAL DEPTH ASPHALT REMOVAL**

- .1 The work of this item shall include, without limitation, the partial removal and disposal of asphalt pavement to match the depths of the proposed lifts where overlap is required when joining existing asphalt.
- .2 A minimum joint step of 500 mm is required.
- .3 All asphalt millings shall be dumped at the Municipal Works yard on Elizabeth Street in Durham.
- .4 Measurement for payment for this item shall be of the horizontal area in square metres of the area of pavement removed. Payment at the tendered price shall be compensation in full for related work.

#### **SP 16 - REMOVE EXISTING SANITARY SEWER**

- .1 The work of this item shall include, without limitation, the removal and disposal of existing sanitary sewer piping 200mm in diameter or larger within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 If approved by the Contract Administrator, pipes may be abandoned under this item. If pipes are abandoned, pipes to be filled in their entirety with a non-shrink fill. Non-shrink fill to be min. 5 MPa. Maximum length to abandon in single filling shall be 50m.
- .3 Measurement for payment shall be, without limitation, per lineal meter removed as evidenced

by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

#### **SP 17 - REMOVE EXISTING SANITARY MANHOLES**

- .1 The work of this item shall include, without limitation, the removal and disposal of existing sanitary structures within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of at the Durham Landfill at no cost to the Contractor.
- .2 Measurement for payment shall be, without limitation, per structure removed as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

#### **SP 18 - REMOVE EXISTING SANITARY SERVICES**

- .1 The work of this item shall include, without limitation, the removal and disposal of all existing sanitary sewer equal to or less than 150mm in diameter including services and forcemains within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 This shall include the locating and removal of all piping; cleanouts and other appurtenances to at minimum property line. If the cleanout is located past the property line, the sanitary service will be removed to this point. If the cleanout is located on the R.O.W, the sanitary service will be removed past the cleanout to the property line.
- .3 If approved by the Contract Administrator, pipes may be abandoned under this item. If pipes are abandoned, pipes to be filled in their entirety with a non-shrink fill. Non-shrink fill to be min. 5 MPa. Maximum length to abandon in single filling shall be 50m.
- .4 Measurement for payment shall be, without limitation, per service removed as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

#### **SP 19 - REMOVE EXISTING STORM SEWER**

- .1 The work of this item shall include, without limitation, the removal and disposal of existing storm sewer piping within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 Measurement for payment shall be, without limitation, per lineal meter removed as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

#### **SP 20 - CUT AND CAP EXISTING WATERMAIN**

- .1 The work of this item shall include, without limitation, the material, labour and equipment required to cut and cap the existing watermain within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 Arrangements for turning off the existing watermain shall be completed through the Municipality of West Grey Public Works Department. 48 hours advanced notice is required prior to completing this work.
- .3 Measurement for payment shall be, without limitation, per each location where the watermain is cut and capped as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

**SP 21 - REMOVE EXISTING WATERMAIN AND APPURTENANCES**

- .1 The work of this item shall include, without limitation, the removal and disposal of all existing watermain and appurtenances 100mm or larger within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 This shall include the removal of all fittings, valves, hydrants, etc.
- .3 Arrangements for turning off the existing watermain shall be completed through the Municipality of West Grey Public Works Department. 48 hours advanced notice is required prior to completing this work.
- .4 Measurement for payment shall be, without limitation, per lineal metre removed as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

**SP 22 - REMOVE EXISTING WATER SERVICES**

- .1 The work of this item shall include, without limitation, the removal and disposal of all existing watermain services within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 This shall include the locating and removal of all piping; curb stops and other appurtenances to at minimum property line. If the curb stop is located past the property line, the water service will be removed to this point. If the curb stop is located on the R.O.W, the water service will be removed past the curb stop to the property line.
- .3 A minimum of 48 hours' notice shall be given to residents prior to disruptions.
- .4 Measurement for payment shall be, without limitation, per service removed as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

**SP 23 - REMOVE EXISTING ASPHALT DRIVEWAY**

- .1 The work of this item shall include, without limitation, the removal and disposal of asphalt as encountered.
- .2 All asphalt driveway materials shall be disposed of at a location determined by the Contractor.
- .3 The disposal of waste and the recycling or reuse of inert fill and other non-waste materials shall be managed in accordance with the Ministry of the Environment's Waste Management — Road Construction and Maintenance Policy and Regulation 309 and Part 5 of the Environmental Protection Act.
- .4 Driveways shall be removed to the location indicated on site by the Contract Administrator.
- .5 Measurement for payment shall be per square metre of asphalt driveway removed. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 24 - REMOVE EXISTING CONCRETE DRIVEWAY**

- .1 The work of this item shall include, without limitation, the removal and disposal of concrete driveways as encountered.
- .2 All concrete driveway materials shall be disposed of at the Durham Landfill at no cost to the Contractor.

- .3 The disposal of waste and the recycling or reuse of inert fill and other non-waste materials shall be managed in accordance with the Ministry of the Environment's Waste Management — Road Construction and Maintenance Policy and Regulation 309 and Part 5 of the Environmental Protection Act.
- .4 Driveways shall be removed to the next joint to ensure no new joints are added.
- .5 Measurement for payment shall be per square metre of concrete driveway removed. Payment at the tendered unit price shall be compensation in full for all related work.

#### **SP 25 - REMOVE AND SALVAGE CONCRETE PAVERS**

- .1 The work of this item shall include, without limitation, the removal, and salvaging of concrete pavers.
- .2 All concrete pavers shall be temporarily stacked on wooden skids on site for reuse under a separate item.
- .3 This work shall conform to OPSD 561.010.
- .4 Measurement for payment shall be per square metre of concrete pavers removed, and salvaged. Payment at the tendered unit price shall be compensation in full for all related work.

#### **SP 26 - REMOVE EXISTING SIDEWALK**

- .1 The work of this item shall include, without limitation, the removal and disposal of concrete sidewalk as encountered.
- .2 The Contractor must satisfactorily dispose of the sidewalk off site at his own expense.
- .3 The disposal of waste and the recycling or reuse of inert fill and other non-waste materials shall be managed in accordance with the Ministry of the Environment's Waste Management — Road Construction and Maintenance Policy and Regulation 309 and Part 5 of the Environmental Protection Act.
- .4 Private walkways will be removed to the next joint to ensure no new joints are added.
- .5 Measurement for payment shall be per square metre of sidewalk removed. Payment at the tendered unit price shall be compensation in full for all related work.

#### **SP 27 - REMOVE EXISTING CONCRETE CURB AND GUTTER**

- .1 The work of this item shall include, without limitation, the removal and disposal of the existing concrete curb and gutter as shown on the Contract Drawings.
- .2 The disposal of waste and the recycling or reuse of inert fill and other non-waste materials shall be managed in accordance with the Ministry of the Environment's Waste Management — Road Construction and Maintenance Policy and Regulation 309 and Part 5 of the Environmental Protection Act.
- .3 All concrete driveway materials shall be disposed of at the Durham Landfill at no cost to the Contractor.
- .4 Measurement for payment for this item shall be in linear metres of concrete curb and gutter or driveway edge curb removed. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 28 - PVC SANITARY SEWER (VARIOUS SIZES)**

- .1 The work of this item shall include, without limitation, the supply and installation of the sanitary sewers as shown on the Contract Drawings.
- .2 Work shall be completed in accordance with OPSS 410 as well as OPSD 802.010 and OPSD 802.013. All bedding and cover material from the bottom of the pipe to a height of 0.30 metres above the top of the pipe shall be granular "A" if the trench bottom is sufficiently dry and dewatered. If water remains on the subgrade, then 19 mm crushed clear stone wrapped in geotextile will be used for bedding. Granular "A" will then be used for backfill to height of 0.30 metres above the top of the pipe. The remainder of the backfill shall be with approved dry native material compacted to a minimum 98%SPmdd.

Granular "A" shall conform to OPSS 1010.

Crushed stone shall consist of crushed rock composed of hard, uncoated, cubical fragments produced from rock formations or boulders of uniform quality, or crushed slag produced from iron blast furnace slag or blended nickel slag. It shall comply with the quality requirements for Granular "A" material, OPSS 1010.

The price bid per lineal metre shall include the cost of all granular bedding, cover material and the backfilling as well as all compaction of these materials.

- .3 Please be advised that No Permit to Take Water has been applied for and the contractor shall dewater using submersible pumps as required. No additional compensation shall be claimed for delays caused by dewatering. The costs of dewatering with submersible pumps shall be included under this item.
- .4 The requirements of OPSS 517, "Construction Specifications for Dewatering" and OPSS 518, "Construction Specification for Control of Water" shall apply. The removal of siltation/provision for water quality control systems prior to discharging water into the storm sewer shall be included under this item.
- .5 PVC sewer pipe and fittings shall be manufactured in accordance with CSA Standards B182.1 and B182.2. PVC sewer pipe to be SDR 35
- .6 Joints shall be integral bell and spigot utilizing flexible elastomeric seals. The pipe stiffness (F/ΔY) at 5% deflection shall not be less than 320 N/m.mm (46psi).
- .7 The work of this item shall also include any form of trench support required; such trench support, if used, shall be approved by the Ministry of Labour under the Occupational Health and Safety Act and Regulations prior to its use.
- .8 Except by permission of the Contract Administrator, the maximum length of open trench shall be 100 metres or the distance necessary to accommodate the amount of pipe installed in a single day, whichever is the lesser. The distance is the collective length at any location including open excavation, pipe length and appurtenant construction and backfill which has not been completed.

The Contractor shall not be allowed to continue excavation and pipe lying where any part of a trench is left open for an unreasonable length of time in the opinion of the Contract Administrator. The Contractor shall, when directed by the Contract Administrator, refill the trench or part thereof, and temporarily resurface the same, at his own expense, and shall not again open such trench or part thereof until he is ready to proceed with the construction of the sewer.

- .9 Measurement for payment for these items shall be per lineal metre, measured from centre of structure to centre of structure in a horizontal plane. Payment at the tendered unit prices shall be compensation in full for all related costs.

**SP 29 - CONNECT PROPOSED SANITARY SEWER TO EXISTING SANITARY MANHOLE**

- .1 The work of this item shall include without limitation, connection of the proposed sanitary sewers to the existing sanitary manhole as shown on the Contract Drawings.
- .2 “Kor-N-Seal” or approved equivalent to be installed in manhole.
- .3 Work shall be completed in accordance with OPSS 410.
- .4 All connections shall form a watertight seal on the exterior of the manhole in order to prevent groundwater from infiltrating the structure.
- .5 Internal drop structure where required shall conform to OPSD 1003.032.
- .6 Measurement for payment for this item shall be per connection completed. Payment of the tendered unit price shall be compensated in full for all related work.

**SP 30 - CONNECT PROPOSED SANITARY SEWER TO EXISTING SANITARY SEWER**

- .1 The work of this item shall include without limitation, connection of the proposed sanitary sewer to the existing sanitary sewer as shown on the Contract Drawings.
- .2 Work shall be completed in accordance with OPSS 410.
- .3 A watertight repair coupling shall be used to make the connection.
- .4 Measurement for payment for this item shall be per connection completed. Payment of the tendered unit price shall be compensated in full for all related work.

**SP 31 - CONNECT EXISTING SANITARY SEWER TO PROPOSED SANITARY MANHOLE**

- .1 The work of this item shall include without limitation, connection of the existing sanitary sewers to the proposed sanitary manhole as shown on the Contract Drawings.
- .2 “Kor-N-Seal” or approved equivalent to be factory installed in manhole.
- .3 Work shall be completed in accordance with OPSS 410.
- .4 All connections shall form a watertight seal on the exterior of the manhole in order to prevent groundwater from infiltrating the structure.
- .6 Measurement for payment for this item shall be per connection completed. Payment of the tendered unit price shall be compensated in full for all related work.

**SP 32 - 1200mm dia. PRECAST CONCRETE SANITARY MANHOLE**

- .1 The work of this item shall include, without limitation, the excavation for, supply, installation, benching and backfill of sanitary manholes in the sizes and locations shown on the Contract Drawings.
- .2 Work shall be completed in accordance with OPSS 407. Excavated native material not suitable as backfill shall be removed from the site at the Contractor’s expense.

- The manhole components shall conform to OPSD 701.010, OPSD 701.021, and OPSD 401.010, Type "A" Closed Cover. Bedding for the manhole shall consist of at least 150mm of Granular 'A' conforming to OPSS 1010 and compacted to 100% SPmdd. Kor-N-Seal or equivalent manhole adapter assemblies shall be used for all PVC pipes entering the manholes.
- .3 Waterproofing of all manhole joints shall be completed by having a one-Component, medium modulus and high performance elastomeric polyurethane caulking (Sikaflex 1a or approved equivalent) applied in a continuous bead in addition to the appropriate gasket. When the subsequent section is placed, caulking should protrude from exterior of structure in all directions. All grouting work involved shall be done using non-shrink grout and appropriate gaskets shall be used.
  - .4 Frames and grates shall be set to base asphalt profile grade. Frame cover will be set on not less than two (2) or more than four (4) layers of precast concrete adjustment (moduloc) units as per OPSD 704.010.
  - .5 The new manholes shall be pre-benched to accommodate existing and new piping.
  - .6 External drop structures where noted shall be in accordance with OPSD 1003.010.
  - .7 Safety Platforms where noted shall be in accordance with OPSD 404.020.
  - .8 Measurement for payment shall be per manhole installed. Payment at the tendered unit price shall be compensation in full for all related costs.

### **SP 33 - SUPPLY AND INSTALL SANITARY SERVICE**

- .1 The work of this item shall include, without limitation, the excavation for supply, installation and backfill of all single sanitary service laterals at the locations shown on the Contract Drawings. All service laterals shall be 125 mm diameter SDR-28 PVC pipe unless the existing service is larger in which case the existing service diameter will be matched.
- .2 Work shall be completed in accordance with OPSS 410 and OPSD 1006.020.
- .3 The work of this item shall also include any form of trench support required; such trench support, if used, shall be approved by the Ministry of Labour under the Occupational Health and Safety Act and Regulations prior to its use.
- .4 The tender unit price shall include all materials and labour necessary for making the physical connection at the main and property line or behind of new sanitary laterals to the existing sanitary laterals.
- .5 Connection to the sanitary sewer main shall be by manufactured tee. A long sweep shall be used and the service run at 2.0% to property line unless otherwise indicated. Long sweeps shall be used behind the cleanout to bring the service up to match the existing service. If the existing service is not PVC and a fernco is being used, the inverts must be flush. Under no circumstances shall the existing inverts be below the proposed invert through the fernco. The settlement control joint required will be required where the sanitary sewer is over 5m deep.
- .6 The Tender unit price is to include the cost of the supply and installation of a sanitary cleanout for each lateral at property line. All cleanout ends shall be fitted with a steel cap. All cleanouts shall be located on property line unless otherwise directed by the Contract Administrator. If the cleanout is located within the driveway, a steel driveway cap is required. All steel caps are to be set flush to final grade.
- .7 Measurement for payment for this item shall be per service lateral installed. Payment at the



tendered unit prices shall be full compensation for all related work.

**SP 34 - ADJUST EXISTING FRAME AND GRATE**

- .1 The work of this item shall include, without limitation, the adjustment of existing frame and grate to match proposed grades including the supply of new manhole sections as required.
- .2 Measurement for payment shall be, without limitation, per frame and grate adjusted as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

**SP 35 - VIDEO INSPECTION OF SEWER (SUBSTANTIAL PERFORMANCE)**

- .1 A Closed Circuit Television (CCTV) Inspection and report, including a DVD or USB of the inspection, duly documented by a specialist firm shall be required to be completed by the contractor. Two (2) Copies shall be provided to the Contract Administrator. Acceptance of the work for the commencement of the maintenance guarantee period will take place only after the Contract Administrator has accepted and approved the inspection report. This item shall include all labour and materials required to adequately flush the sewer prior to inspection.
- .2 Videos which have unclear picture or lack comments relating to but not limited to, services, water levels or defects may be rejected by the Contract Administrator.
- .3 Measurement for payment of this item shall be per lump sum for the video inspection of the sewer. Payment at the tendered price shall include full compensation for all labour, equipment and material to do the work of the CCTV inspection.

**SP 36 - VIDEO INSPECTION OF SEWER (PRIOR TO END OF MAINTENANCE PERIOD)**

- .1 A Closed Circuit Television (CCTV) Inspection and report, including a DVD or USB of the inspection, duly documented by a specialist firm shall be required to be completed by the contractor three (3) months prior to the end of the maintenance period. Two (2) Copies shall be provided to the Contract Administrator. Acceptance of the work for the completion of the maintenance guarantee period will take place only after the Contract Administrator has accepted and approved the inspection report. This item shall include all labour and materials required to adequately flush the sewer prior to inspection.
- .2 Videos which have unclear picture or lack comments relating to but not limited to, services, water levels or defects may be rejected by the Contract Administrator.
- .3 Measurement for payment of this item shall be per lump sum for the video inspection of the sewer. Payment at the tendered price shall include full compensation for all labour, equipment and material to do the work of the CCTV inspection.

**SP 37 - HDPE STORM SEWER (VARIOUS SIZES)**

- .1 The work of this item shall include, without limitation, the supply and installation of HDPE storm sewers in the locations shown on the Contract Drawings.
- .2 Pipe material shall be HDPE manufactured in conformance with OPSS 1840 utilizing virgin resin, gasketed bell and spigot or split coupler configuration and shall be certified by CSA in accordance to the standard specification CSA B182.8-11 for Profile Polyethylene (PE) Storm Sewer Pipe and Drainage Pipe Fittings. Pipe and fittings shall have a pipe stiffness of 320 kPa or higher as may be necessary based on the design criteria.
- .3 Under this item, the installation of the storm sewers shall be completed in accordance with OPSS 410 and OPSD 802.010 Type '3'.

- .4 Bedding and cover to at least 300 mm above the obvert of the pipe shall consist of Granular 'A' backfill conforming to OPSS 1010, compacted to at least 98% SPmdd.
- .5 This item shall include any form of trench support required; such trench support, if used, shall be approved by the Ministry of Labour under the Occupational Health and Safety Act and Regulations prior to its use.
- .6 This item shall also include a deflection test in accordance with OPSS 410.07.16.05, which shall consist of a successful pass with a "pig" of at least 92.5% of the nominal pipe diameter for pipes with a diameter less than 600 mm pulled through all storm sewer pipes 600mm or less installed under this Contract.
- .7 Measurement for payment for these items shall be per lineal metre, measured from centre of structure to centre of structure in a horizontal plane. Payment at the tendered unit prices shall be compensation in full for all related costs.

**SP 38 - SUPPLY AND INSTALL 600 mm x 600 mm PRECAST CONCRETE CATCHBASIN**

- .1 The work of these items shall include, without limitation, excavation for, supply and installation, and backfill of the catchbasins in the locations indicated on the Contract drawings.
- .2 The work shall conform to OPSS 402, OPSS 407 and OPSD 705.010.
- .3 Frame and grate for all catchbasins shall conform to OPSD 400.082 and shall be adjusted to base asphalt grade as part of the work of these items. Gutter line grading to be dropped over 0.3m on either side of the frame to accommodate lowered frame and grates. Frame cover will be set on not less than two (2) or more than four (4) layers of precast concrete adjustment (moduloc) units as per OPSD 704.010.
- .4 Measurement for payment for these items shall be per catchbasin installed. Payment at the tendered unit prices shall be compensation in full for all related work.

**SP 39 - SUPPLY AND INSTALL 600mm x 1450 mm PRECAST CONCRETE TWIN INLET CATCHBASIN**

- .1 The work of this items shall include, without limitation, excavation for, supply and installation, and backfill of the twin inlet catchbasins in the locations indicated on the Contract Drawings.
- .2 The work shall conform to OPSS 402, OPSS 407 and OPSD 705.020.
- .3 Frame and grate for all catchbasins shall conform to OPSD 400.082 and shall be adjusted to base asphalt grade as part of the work of these items. Gutter line grading to be dropped over 0.3m on either side of the frame to accommodate lowered frame and grates. Frame cover will be set on not less than two (2) or more than four (4) layers of precast concrete adjustment (moduloc) units as per OPSD 704.010.
- .4 Measurement for payment for these items shall be per twin inlet catchbasin installed. Payment at the tendered unit prices shall be compensation in full for all related work.

**SP 40 - SUPPLY AND INSTALL PRECAST CONCRETE CATCHBASIN MANHOLE**

- .1 The work of this item shall include, without limitation, excavation for and the supply and installation of catchbasin manholes in the locations shown on the Contract drawings.
- .2 Work shall be completed in accordance with OPSS 402 and OPSS 407. The granular base shall consist of at least 150 mm of Granular 'A' conforming to OPSS 1010 and compacted to

- 100% S.P.D. Granular backfill, to a minimum thickness of 300 mm all around, shall consist of Granular 'B' Type 1 (maximum aggregate size 25 mm) conforming to OPSS 1010 and compacted to 100% S.P.D.
- .3 Manhole components for the 1200 mm dia. structures shall conform to OPSD 701.010, OPSD 701.030, OPSD 701.031 and OPSD 701.032.
  - .4 Manhole components for the 1500 mm dia. structures shall conform to OPSD 701.011, OPSD 701.040 and OPSD 701.041
  - .5 Manhole components for the 1800 mm dia. structures shall conform to OPSD 701.012, OPSD 701.050 and OPSD 701.051
  - .6 Manhole components for the 2400 mm dia. structures shall conform to OPSD 701.013, OPSD 701.060 and OPSD 701.061
  - .7 Manhole components for the 3000 mm dia. structures shall conform to OPSD 701.014, OPSD 701.070 and OPSD 701.071
  - .8 Frame and grate for all catchbasins shall conform to OPSD 400.082 and shall be adjusted to base asphalt grade as part of the work of these items. Gutter line grading to be dropped over 0.3m on either side of the frame to accommodate lowered frame and grates. Frame cover will be set on not less than two (2) or more than four (4) layers of precast concrete adjustment (moduloc) units as per OPSD 704.010.
  - .9 All grouting work involved shall be done using non-shrink grout and appropriate gaskets shall be used.
  - .10 All Ladder rungs are to be placed on the south side of the structures.
  - .11 Measurement for payment shall be per manhole structure installed. Payment at the tendered unit prices shall be compensation in full for all related costs.

**SP 41 - SUPPLY AND INSTALL PRECAST CONCRETE TWIN INLET CATCHBASIN MANHOLE**

- .1 The work of this item shall include, without limitation, excavation for and the supply and installation of twin inlet catchbasin manholes in the locations shown on the Contract drawings.
- .2 Work shall be completed in accordance with OPSS 402 and 407.
- .3 The manhole components for the 1500 mm dia. Structures shall conform to OPSD 701.011, 701.040, 701.041 and 703.021.
- .4 The manhole components for the 1800 mm dia. Structures shall conform to OPSD 701.012, 701.050, 701.051 and 703.022.
- .5 Manhole components for the 2400 mm dia. structures shall conform to OPSD 701.013, OPSD 701.060, OPSD 701.061 and 703.023.
- .6 Manhole components for the 3000 mm dia. structures shall conform to OPSD 701.014, OPSD 701.070, OPSD 701.071 and 703.024.
- .7 Frame and grate for all catchbasins shall conform to OPSD 400.082 and shall be adjusted to base asphalt grade as part of the work of these items. Gutter line grading to be dropped over 0.3m on either side of the frame to accommodate lowered frame and grates. Frame cover will be set on not less than two (2) or more than four (4) layers of precast concrete adjustment (moduloc) units as per OPSD 704.010.

- .8 All grouting work involved shall be done using non-shrink grout and appropriate gaskets shall be used.
- .9 All Ladder rungs are to be placed on the south side of the structures.
- .10 Measurement for payment shall be per manhole structure installed. Payment at the tendered unit prices shall be compensation in full for all related costs.

**SP 42 - SUPPLY AND INSTALL PRECAST CONCRETE STORM MANHOLE**

- .1 The work of these items shall include, without limitation, excavation for and the supply and installation of storm manholes in the locations shown on the Contract drawings.
- .2 Work shall be completed in accordance with OPSS 402 and 407.
- .3 Manhole components for the 1200 mm dia. structure shall conform to OPSD 701.010, 701.030 and 701.031.
- .4 Manhole components for the 1500 mm dia. structure shall conform to OPSD 701.011, 701.040 and 701.041.
- .5 Manhole components for the 1800 mm dia. structure shall conform to OPSD 701.012, 701.050 and 701.051.
- .6 Manhole components for the 2400 mm dia. structures shall conform to OPSD 701.013, OPSD 701.060 and OPSD 701.061
- .7 Manhole components for the 3000 mm dia. structures shall conform to OPSD 701.014, OPSD 701.070 and OPSD 701.071
- .8 All grouting work involved shall be done using non-shrink grout and appropriate gaskets shall be used. If PVC storm sewer piping is used, Kor-N-Seal or approved equivalent adaptors shall be installed.
- .9 Frames and grates shall conform to OPSD 401.010, Type "A" Closed Cover and be set to base asphalt grade using concrete adjustment rings as per OPSS 408. Frame cover will be set on not less than two (2) or more than four (4) layers of precast concrete adjustment (moduloc) units as per OPSD 704.010.
- .10 All Ladder rungs are to be placed on the south side of the structures.
- .11 Measurement for payment shall be per manhole structure installed. Payment at the tendered unit prices shall be compensation in full for all related costs.

**SP 43 - SUPPLY AND PLACE 150 mm dia. PERFORATED SUBDRAIN IN SAND BEDDING (PROVISIONAL)**

- .1 The work of this item shall include, without limitation, all labour, equipment, materials, pipe and fittings required for the excavation, laying, bedding and backfilling of the perforated subdrains as herein specified and/or indicated on the Contract Drawings.
- .2 OPSS 405 and OPSD 216.021 together with this Special Provision shall apply to this item.
- .3 Prior to commencing work inform the Contract Administrator of the proposed source of bedding and filler materials and provide access for sampling. The source and material must be approved by the Contract Administrator prior to beginning work associated with this item.

- .4 Perforated corrugated polyethylene drainage pipe shall meet the requirements of CGSB Standard 41-GP-29M and OPSS 1840. Nominal pipe size as indicated. Pipe stiffness shall be 210 kPa at 5% deflection in accordance with ASTM D2412. Joints shall be snap or split coupler. Roll subdrain will not be accepted.
- .5 Filter fabric sock conforming to OPSS 1860 for geotextile. Class I with an opening size of 50 to 150 microns shall be supplied on all sections of perforated pipe.
- .6 Bedding and backfill materials shall be concrete sand meeting the requirements of the gradation given below:

MTO SIEVE DESIGNATION	PERCENTAGE PASSING
9.5 mm	100
4.75 mm	95-100
2.36 mm	80-100
1.8 mm	50-85
600 um	25-60
300 um	10-30
150um	0-10
75 um	0-3*
	0-6**
*Natural Sand **Manufactured Sand	

- A gradation analysis shall be provided prior to installing the subdrain pipe.
- .7 Pump excavation free of standing water and remove soft or foreign materials prior to placing bedding.
  - .8 Do not place bedding material prior to approval of excavation.
  - .9 Place bedding material to the full trench width and compact to minimum 100% Standard Proctor density.
  - .10 Lay drains on prepared bed, true to line and grade with inverts smooth and free of sags or high points. Ensure barrel of each pipe is in contact with bed throughout full length and lay perforated pipes with perforations downwards.
  - .11 Pipe to pipe connections are to be in accordance with manufacturer’s specifications.
  - .12 Do not allow water to flow through pipes during construction except as-approved by the Contract Administrator.
  - .13 Make watertight connections to structures as indicated on the Contract Drawings or as indicated by the Contract Administrator.
  - .14 Surround pipe with bedding material and compact as directed to minimum 100mm above the top of pipe. Bedding material shall be placed to the subgrade elevation at the subdrain.
  - .15 Where indicated on the Contract Drawings or as directed by the Contract Administrator use the manufacturer specified subdrain plug and tees and other appurtenances required to conform to the requirements of the Contract Drawings. These items shall be included in the tendered unit price.

- .16 Where existing subdrains are to be capped or reconnected to the proposed subdrain, the Contractor shall supply and install approved plugs and/or couplings. All upstream ends of subdrain to be capped in structure.
- .17 Measurement for payment for this item shall be in linear metres installed. Horizontal measurements will be made from centre of storm structures over surface after the work has been completed. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 44 - 150 mm dia. PVC STORM SERVICE (PROVISIONAL)**

- .1 The work of this item shall include, without limitation, the supply and installation of storm sewer laterals when located in the field. All storm laterals shall be 150 mm diameter SDR-28 PVC pipe unless otherwise indicated.
- .2 Work shall be completed in accordance with OPSS 410 and OPSD 1006.02. Bedding shall consist of Granular 'A' conforming to OPSS 1010, compacted to at least 95% SPmdd, extending from at least 100 mm below the invert of the pipe to at least 150 mm above the obvert of the pipe. Trench backfill shall be native material unless otherwise directed by the Engineer. All backfill shall be compacted to at least 95% SPmdd.
- .3 The work of this item shall also include any form of trench support required; such trench support, if used, shall be approved by the Ministry of Labour under the Occupational Health and Safety Act and Regulations prior to its use.
- .4 Connection to the storm sewer main shall be by manufactured tee or by an Inserta Tee or equivalent type product.
- .5 Storm sewer laterals shall be connected to existing service at the property line.
- .6 The tender unit price to include the cost of the supply and installation of a 150 mm dia. storm cleanout for each lateral at property line. All cleanout ends shall be fitted with a waterproof steel cap. All cleanouts shall be located on property line unless otherwise directed by the Engineer.
- .7 Measurement for payment for this item shall be per service lateral installed. Payment at the tendered unit prices shall be full compensation for all related work.

**SP 45 - SUPPLY AND PLACE RIP RAP c/w GEOTEXTILE**

- .1 The work of this item shall include, without limitation, excavation for, and the supply and placement of, rip rap complete with non-woven, Class II geotextile (OPSS 1860) filter fabric to the nominal depths and to the lines and elevations shown on the drawings.
- .2 The work of this item shall conform to OPSS 511.
- .3 a) Rip-Rap Specifications  
 Nominal 250 mm  $\phi$   
 Grading Specification:  
 100% smaller than 400 mm or 165 kg  
 at least 20% larger than 300 mm or 113 kg  
 at least 50% larger than 250 mm or 68 kg  
 at least 80% larger than 200 mm or 36 kg
- .4 Measurement for payment shall be per square metre of rip rap placed. Payment at the

tendered unit price shall be compensation in full for all related work, including the supply and placement of geotextile.

**SP 46 - VIDEO INSPECTION OF SEWER (SUBSTANTIAL PERFORMANCE)**

- .1 A Closed Circuit Television (CCTV) Inspection and report, including a DVD or USB of the inspection, duly documented by a specialist firm shall be required to be completed by the contractor. Two (2) Copies shall be provided to the Contract Administrator. Acceptance of the work for the commencement of the maintenance guarantee period will take place only after the Contract Administrator has accepted and approved the inspection report. This item shall include all labour and materials required to adequately flush the sewer prior to inspection.
- .2 Videos which have unclear picture or lack comments relating to but not limited to, services, water levels or defects may be rejected by the Contract Administrator.
- .3 Measurement for payment of this item shall be per lump sum for the video inspection of the sewer. Payment at the tendered price shall include full compensation for all labour, equipment and material to do the work of the CCTV inspection.

**SP 47 - VIDEO INSPECTION OF SEWER (PRIOR TO END OF MAINTENANCE PERIOD)**

- .1 A Closed Circuit Television (CCTV) Inspection and report, including a DVD or USB of the inspection, duly documented by a specialist firm shall be required to be completed by the contractor three (3) months prior to the end of the maintenance period. Two (2) Copies shall be provided to the Contract Administrator. Acceptance of the work for the completion of the maintenance guarantee period will take place only after the Contract Administrator has accepted and approved the inspection report. This item shall include all labour and materials required to adequately flush the sewer prior to inspection.
- .2 Videos which have unclear picture or lack comments relating to but not limited to, services, water levels or defects may be rejected by the Contract Administrator.
- .3 Measurement for payment of this item shall be per lump sum for the video inspection of the sewer. Payment at the tendered price shall include full compensation for all labour, equipment and material to do the work of the CCTV inspection.

**SP 48 - SUPPLY, INSTALL AND MAINTAIN TEMPORARY WATER SYSTEM**

- .1 The work of this item shall include, without limitation, the supply, installation, testing, maintenance and removal of a temporary water system to maintain potable water supply to residences and buildings throughout the duration of the contract.
- .2 Work shall be completed in accordance with OPSS 493.
- .3 Prior to commissioning the temporary water system shall be flushed, disinfected and tested in accordance with OPSS 493. The contractor shall coordinate with the Municipality of West Grey Public Works Department prior to any testing procedures. 48 hours' notice shall be given to Municipal staff and residents prior to any service disruptions.
- .4 The work of this item shall include the installation of an outside connection for any residence that does not currently have one or the work required to connect to the existing curb stop.
- .5 Measurement for payment for this item shall be lump sum. Payment at the tendered unit price shall be compensation in full for all related work. Payment shall be made 80% upon the Progress Certificate after which the completion of the supply, installation, flushing, disinfecting, and testing of the temporary potable water supply services prior to putting it in operation and 20% with the Progress Certificate after the temporary water system has been

decommissioned and removed from the site.

#### **SP 49 - PVC DR 18 WATERMAIN**

- .1 The work of this item shall include, without limitation, the excavation for, supply, installation and backfill of the proposed watermain, as well as the supply and installation of all fittings, plugs, thrust restraints, and appurtenances as shown on the Contract Drawings.
- .2 Work shall be completed in accordance with OPSS 441, OPSD 1103.01, and OPSD 1103.02. Bedding and cover shall consist of Granular 'A' conforming to OPSS 1010 and compacted to 98% SPmdd, and shall extend from at least 150 mm below pipe invert to at least 300 mm above pipe obvert. Trench backfill shall be approved native backfill compacted to at least 98% SPmdd.
- .3 All watermains shall be C-900 PVC DR18 pipe.  
  
All fittings (bends, tees, crosses, wyes, reducers, etc.) shall be cast iron cement mortar lined with mechanical joints and shall have a minimum pressure rating of 1724 kPa (250 psi).
- .4 Grip Ring type joint restraint are required on all mechanical joints. Mechanical joint restraint models to be used shall be approved by the Municipality of West Grey prior to installation. Pipe to pipe connections 6m or less from any valve, tee, elbow, cap, reducer or hydrant shall be restrained.
- .5 Tracer wire shall be No. 10 T.W.U. wire and be attached to the top of the pipe length in minimum two (2) locations, looped above grade at all valves, hydrants and services. Splices in tracer wire are to be connected using Duralug connectors or approved equivalent.
- .6 All non-PVC valves, fittings, hydrants, etc., shall be provided with cathodic protection. An anode shall be connected using the Cadweld Method and shall be installed with the manufacturer's recommendations and specifications. All Cadwelds are to be covered with mastic material. The anode shall be connected to curb stops in conjunction with the electrical brass grounding clamp. In addition, all fitting bolts are to be fitted with 19 mm sacrificial zinc caps. Caps shall be "Protecto-Caps", Catalogue No. 175P190 or approved equivalent.
- .7 All anodes shall be packaged zinc anodes. The zinc anode coating shall have a 316 stainless steel core wire. The zinc anode casting is to be packaged in cardboard or a cloth bag having a minimum diameter of 200 mm. The backfill material within the package shall be a Gypsum/Sodium Sulphate/Bentonite mixture having an electrical resistivity less than 50 ohm cm wet. An insulated copper (AWG 10-12) wire 3 metres in length shall be brazed to the end of the core wire. (Duratron Systems Limited, Cathodic Technology Ltd., Maple Agencies and Corrosion Service Company Limited presently manufacture anodes to the previously specified requirements).
- .8 Anodes shall be installed at all valves, tees, caps, elbows, reducers, sleeves, hydrants, curbstops and service saddles. Anodes for services shall be 2.3 kg and all other anodes to be 5.5 kg.
- .9 Measurement for payment shall be per lineal metre of watermain installed, with no deduction or compensation for fittings not specifically detailed in this document. Payment at the tendered unit prices shall be compensation in full for all related work.

#### **SP 50 - GATE VALVE AND BOX**

- .1 The work of this item shall include, without limitation, the supply and installation of resilient-seated gate valves, boxes and any associated fittings required in the locations shown on the Contract Drawings.



- .2 Work shall be completed in accordance with OPSS 441.
- .3 Valves shall be Mueller A2360-23 or Clow F6100 (or approved equal) resilient gate valves, with non-rising stems and must open counter-clockwise. All valves shall conform to AWWA Standard C-509-01.
- .4 Valve boxes to be 133 mm slide type manufactured by Mueller, Star or Sigma. Pre-fabricated holes shall be placed near the top of the valve box for insertion of tracer wire. Valve box to have road leveller cap.
- .5 Measurement for payment for these items shall be per gate valve and valve box combination installed including restoration. Payment at the tendered unit prices shall be full compensation for all related work.

### **SP 51 - WATER SERVICES**

- .1 The work of this item shall include, without limitation, the excavation for, supply, installation and backfill of water service connections complete with connections to main, corporation stop, saddle, service piping, curb stop/curb box and all restoration, in the locations shown on the Contract Drawings.
- .2 This item shall also include making physical connection at property line or behind of new water services to the existing water services. Physical connection to the existing service shall not occur until all testing has been successfully completed.
- .3 Work of these items shall conform to OPSS 441 and OPSD 1104.010.
- .4 Service piping shall be 25 mm (or as specified on the drawings) 'Municipex' crosslinked polyethylene pipe or approved equivalent unless the existing service is 25mm or greater.
- .5 All corporation stops shall have AWWA tapered inlet thread. Corporation stops (main stops) shall have compression connections (pack joints) and shall be Mueller 15008, Canadian Brass 302-A3H3 or approved equal.
- .6 Curb stops shall have compression connections, and shall be Mueller 15209, Canadian Brass 202-H3H3 or approved equal. Curb boxes and stems shall be Mueller A-726 or Concro D-1 with type 304 stainless steel rods and stainless steel cotter pins or approved equal. All curb stops to have set screw for attaching anodes.
- .7 Each service shall be connected to the watermain by means of an approved stainless steel saddle of minimum 18 gauge thickness. All saddles will use a double bolt closure. Saddles shall be Cambridge Brass Series 403, Rockwell Series 371 or approved equal. Gaskets to extend along entire length of the saddle.
- .8 Depth of bury on water services to 1.8 m minimum
- .9 Tracer wire to be placed with each service from the watermain to the curbstop and looped to the surface.
- .10 Measurement for payment shall be per water service installed. Payment at the tendered unit prices shall be compensation in full for all related work.

### **SP 52 - COMMISSION WATERMAIN**

- .1 The work of this item shall include, without limitation, all required testing and commissioning operations in accordance with OPSS 441.

## .2 Pressure and Leakage Testing

The Contractor shall conduct hydrostatic pressure and leakage tests under supervision of the Contract Administrator upon completion of watermain installation.

The Contractor shall fill the test section slowly; making sure all air is removed from the watermain, and allows a period of 24 hours before starting testing procedure.

Water required to fill the new main for hydrostatic pressure testing, disinfection, and flushing shall be supplied through a temporary connection between the existing water system and the new main. The temporary connection shall include an appropriate cross-connection control device consistent with the degree of hazard (a double check valve assembly (used above or below ground level) or a reduced pressure principle backflow preventer (used above ground level ONLY)). The backflow preventer operation shall be in accordance with CAN/Canadian Standards Association-B64 Series Manual. The backflow preventer shall be disconnected (physically separated) from the new main during the hydrostatic pressure test. It will be necessary to re-establish the temporary connection after completion of the hydrostatic pressure test to swab, chlorinate and flush out the disinfectant water prior to final connection of the new main to the waterworks system. (Refer to AWWA C651-14).

Testing pressure to be continuous at 1035 KPa for 2 hours. The tests are satisfactory if pressure is maintained within a pressure range of 34 KPa from the initial test pressure and leakage is not greater than .0001 litres per mm of diameter of the pipe per meter in 1 hour (3.72 Imperial Gallons per inch diameter per 1000 feet per 24 hours at 150 psi). No compensation will be made for failed pressure tests.

The contractor shall not shut down or charge any watermain or operate any gate valve, hydrant, air relief valve nor any other control devices for any purpose, Operation of valves, hydrants, air relief valves and curbstops is to be performed solely by the Public Works forces. 24 hours advanced notice is required prior to completing this work except emergencies.

## .3 Swabbing

In addition to the requirements of OPSS 441, all water mains shall be swabbed to the satisfaction of the Contract Administrator. The Contractor shall clean and flush watermain using a minimum of two (2) high density polyurethane form swabs (24.7 kg/cu.m density) prior to disinfection. Additional swabs may be ordered by the Contract Administrator if in his opinion, the pipes have not been adequately cleaned by the first two swabs. The Contractor is responsible for controlling water flows to approved outlets to avoid a siltation condition and for co-ordinating water supply with the Authority having jurisdiction.

All connections made to existing watermains that cannot be tested for disinfection and pressurization shall be hand swabbed with sodium hypochlorite and handled with extreme care prior to making the connection. The swabs shall be cut and shaped to a size approximately 50 mm larger than the diameter of the waterman.

## .4 Disinfection

The Contractor shall supply, at his own expense, all materials and equipment required for the proper disinfection of the watermain. Liquid sodium hypochlorite (12% available chlorine) or other approved chlorine compounds may be used to achieve disinfection. The Contractor shall introduce a sufficient quantity of chlorine compound, using the continuous-feed method as described in AWWA C651-14, to obtain a total residual of 50 ppm (mg/L) and no more than 120 ppm (mg/L) at the time of initial chlorination, a residual of at least 25 ppm (mg/L) after 24 hours is required. The Contractor shall operate all new valves and hydrants after the introduction of chlorine to ensure their disinfection.

24 hours after the introduction of chlorine, Waterworks personnel will take samples from locations of their choosing and test the water for total chlorine residual. If total chlorine residual is less than 25 ppm, the Contractor shall repeat the process to achieve the desired total chlorine residual. The cost of such re-sterilization shall be borne entirely by the Contractor.

If the total residual of all watermain samples is satisfactory, the Contractor shall then flush the watermain. Waterworks personnel will then collect samples from locations of their choosing and forward these samples to an Accredited Laboratory for bacteriological testing. For the Contractor's information only, the results of the quality tests are usually known within about three working days after submitting the samples. Acceptable bacteriological test results are as follows:

E. coli	0
Total Coliform	0
Background	0

If bacteriological quality criteria are not satisfied by these samples, the Contractor shall flush the watermain and re-chlorinate following procedures already described. The cost of such re-chlorinating shall be borne entirely by the Contractor.

If the second set of samples fails to meet bacteriological quality criteria, the Contractor shall re-swab the watermain. The cost of such re-swabbing shall be borne entirely by the Contractor. The Contractor shall then flush the watermain and re-chlorinate following procedures already described. The cost of re-chlorinating shall be borne entirely by the Contractor.

At each service location, the Contractor shall provide service tubing extensions to above the ground surface to accommodate flushing of the services following the disinfection operations. At vacant lot locations, these extensions shall be cut off and crimped below ground as directed. The cost of providing for such extensions is to be included in the lump sum price bid.

.5 Flushing

Following disinfection of the watermains, the chlorinated water shall be flushed from the watermain so as to remove all water remaining from sterilization operations and replace it with normal municipal water. Chlorinated water flushed from the mains shall be managed and disposed of in accordance with OPSS 441. The acceptable chlorine residual of water discharged to storm sewer or water courses is 0.5 mg/L maximum. The method of disposal of chlorinated water is subject to the approval of the Contract Administrator.

.6 Watermain Connection

Once a complete set of tests including the bacteriological samples are satisfactory and the results are received, the Contract Administrator must request approval from the Municipality for the main to be connected to the existing water system. The Contract Administrator or designate must be present on site during the removal of the temporary connection and until the connecting of the new main to the existing waterworks has been completed.

Upon completion of the permanent connection, the Contractor shall again thoroughly flush the whole system, including main and appurtenances, so as to remove completely from the system all unwanted matter. The Contractor shall ensure that no unwanted matter is subsequently allowed to enter any part of the distribution system.

.7 Final Acceptance

After completion of all mains and appurtenances to be installed under the contract, and prior to leaving the site, the Contractor shall arrange to have the Municipality of West Grey check all hydrants, valves and valve boxes to verify that valves are fully open, or closed as may be required, and to ensure that the system is operating properly and is fully functional.

The Contractor shall also ensure continuity through the entire length of tracer wires to the satisfaction of the Municipality of West Grey.

- .8 There will be no measurement for payment for this item. Payment of the tendered lump sum price shall be compensated in full for all related work.

#### **SP 53 - CONNECT TO EXISTING WATERMAIN**

- .1 The work of this item shall include, without limitation, the excavation for, supply, installation and backfilling of all pipe and fittings to complete the connection of the new watermain to the existing watermain at the locations shown on the Contract Drawings. This item shall include locating the existing watermain and all required bends and fittings to bring the watermain to the proposed depth.
- .2 Upon the receipt of second set of acceptable bacteriological testing of the water in the new main, and while using all precautions available including chlorination swabbing of connections and fittings the Contractor may prepare for connection to the existing watermain.
- .3 The Contractor shall notify the Contract Administrator forty-eight (48) hours in advance of his intentions to connect to existing watermains. Municipality of West Grey Public Works Department shall arrange for a staff member to locate the existing watermain as accurately as possible.
- .4 Measurement for payment shall be per connection to the existing watermain. Payment at the tendered unit price shall include full compensation for excavating, labour, backfilling, and all other installation requirements necessary to make all connections.

#### **SP 54 - SUPPLY AND INSTALL SM INSULATION (PROVISIONAL)**

- .1 The work of this item shall include, without limitation, the excavation for, supply, installation and backfilling of SM insulation at the locations shown on the Contract Drawings.
- .2 Work shall be in accordance with OPSD 1109.030.
- .3 Measurement for payment shall be per lineal metre of insulation installed measured along the pipe. Payment at the tendered unit prices shall be compensation in full for all related work.

#### **SP 55 - EARTH EXCAVATION (PQP)**

- .1 Payment at the contract price shall be full compensation for all labour, equipment and material required to excavate the road to subgrade. Excavated material shall be re-used as trench backfill if deemed suitable by the Contract Administrator or will be deemed as excess fill if deemed to be unsuitable.
- .2 The plan quantity volume for this item has been calculated using 20 metre cross sections and the End Area Method.
- .3 The Contractor shall sub-excavate soft areas within the asphalted portion of the road allowance as identified by the Engineer. Payment for any additional sub-excavation shall be included in the imported fill item.
- .4 No payment will be made for soft areas excavated as part of pipe installation.

- .5 Sub-excavation areas shall be backfilled with dry native fill or approved granular material conforming to OPSS 1010 and compacted to 95% S.P.D. If imported material is used, payment for this material shall be made under the respective Imported Fill item.
- .6 All approved material placed on the right-of-way (R.O.W.) to achieve subgrade elevations is to be compacted to 95% S.P.D.

**SP 56 - SUPPLY AND PLACE GRANULAR 'B'**

- .1 The work of this item shall include, without limitation, the supply F.O.B. site, placement and compaction to 98% S.P.D. of Granular 'B' conforming to OPSS 1010. This item shall apply to all Granular 'B' used for road base and for backfill of sub-excavated areas. Contractor to supply sieve analysis.
- .2 Placement and compaction of Granular 'B' shall be in accordance with OPSS 314 and 501 respectively.
- .3 Measurement for payment for this item shall be per tonne, as evidenced by weigh scale tickets from an approved scale and signed by the inspector on site upon delivery. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 57 - SUPPLY AND PLACE GRANULAR 'A'**

- .1 The work of this item shall include, without limitation, the supply F.O.B. site, placement and compaction to 100% S.P.D. of Granular 'A' on all prepared Granular 'B' road base.
- .2 Placement, compaction, and weighing of materials for this item shall be in accordance with OPSS 314 and 501, respectively. Contractor to supply sieve analysis.
- .3 Granular 'A' shall be placed to a tolerance of +/- 19mm vertically.
- .4 Measurement for payment for this item shall be per tonne of Granular 'A' placed on the site, as evidenced by weigh scale tickets from an approved scale and signed on site by the inspector. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 58 - IMPORTED GRANULAR FILL (PROVISIONAL)**

- .1 The work of this item shall include, without limitation, the supply F.O.B. site, placement and compaction to 98% S.P.D. of granular backfill.
- .2 Granular backfill imported to the site under this item shall be used as trench backfill and backfill where material has been identified by the Contract Administrator to be unusable and only if suitable material cannot be obtained from surplus material excavated from other areas of the Contract. The decision to use this material shall be made at the time of construction.
- .3 This item shall also include the cost associated with the removal of all excess excavated material from the site that will be replaced by the imported granular backfill. The contractor shall make his own arrangements for the disposal of the excavated material and shall bear all costs and retain any profit incidental to such disposal.
- .4 Placement, compaction, and weighing of materials for this item shall be completed in accordance with OPSS 314 and 501. All material shall be in conformance to OPSS 1010 – Select Subgrade Material
- .5 Measurement for payment shall be per tonne, as evidenced by weigh scale tickets from an approved weigh scale and signed by the inspector on site upon delivery. Payment at the

tendered unit price shall be full compensation for importing this material to the site.

**SP 59 - HL-4 ASPHALT (BASE COURSE)**

- .1 The work of this item shall include, without limitation, fine grading of the Granular 'A' road base and the supply, placement and compaction of one (1) – 60 mm lift of HL4 asphalt.
- .2 Work shall be completed in accordance with OPSS 310 and 314.
- .3 If any of the existing asphalt edges to which new asphalt is to match have been damaged, such asphalt edges shall be saw cut and the damaged portions of asphalt shall be removed under this item.
- .4 Where new asphalt is to butt to existing asphalt, an approved asphalt emulsion shall be applied to the existing asphalt prior to placing new asphalt.
- .5 Asphalt joints shall be stepped where the main road meets all side streets and entrances. Joints shall be stepped a minimum 500 mm between each lift of asphalt.
- .6 All asphalt supplied and placed under these items is subject to adjustment based on the price of asphalt cement. (A.C.) Should the price of Asphalt Cement change from the time the tender closes to the time that the asphalt is placed, the Contractor is willing to increase or decrease the price per tonne depending on the amount of fluctuation in the price of A.C.

The asphalt price adjustment will be calculated as follows:

The posted MTO Asphalt Cement Price shall be used for determining any increase or decrease in the unit price. The posted MTO Asphalt Cement price at time of Tender Closing will be used in the calculation and will be confirmed at the time of the Pre-Construction Meeting. For every \$10.00 per tonne increase or decrease in the MTO A.C. price that is posted for the month that the work of this item is completed, the tendered unit price of this item shall also increase or decrease by \$0.50 per tonne.

- .7 Notwithstanding that other items of this Contract may specify the adjustment of certain structures to base course or final asphalt grades, as the case may be, any structures not so specified shall be adjusted to base course under this item. There will be no separate payment for this work.
- .8 Paving of each lane shall be completed in a single pull. Where asphalt has sat for more than 15 minutes, it shall be considered a cold joint and will require an approved asphalt emulsion be applied.
- .9 Material required for padding and ramping at driveways, structures and any other locations where it is required shall be including in this item. This item shall also include the removal of any padding or ramping prior to placement of the next lift of asphalt.
- .10 Measurement for payment for this item shall be per tonne, as evidenced by weigh scale slips from an approved scale (per OPSS 102) and signed by the inspector on site. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 60 - HL-3 ASPHALT**

- .1 The work of this item shall include, without limitation, cleaning of the base course asphalt and the supply, placement and compaction of a 40mm lift of HL3 asphalt surface course. Paving of surface course to occur in 2026 and 2027 for Phases 1 and 2 respectively.
- .2 Work shall be done in accordance with OPSS 310, 314 and 102. Weighing of material shall

- be in accordance with OPSS 102.
- .3 Cleaning of base asphalt in preparation for surface asphalt shall generally consist of power sweeping and washing. Removal of heavier deposits of mud or other material may, at the sole discretion of the Contract Administrator, be paid for on a time and material basis unless the heavier deposits are a result of construction activities relating to the contract.
  - .4 The work of this item shall also include the removal of all ramps installed with the binder asphalt, including those where the binder asphalt mated into an existing surface course, and those around structures.
  - .5 Notwithstanding the provisions of OPSS 310, asphalt cement shall be included in the unit price for this item, and automatic screed controls will be required.
  - .6 If any of the existing asphalt edges to which new asphalt is to mate have been damaged, such asphalt edges shall be saw cut and the damaged portions of asphalt shall be removed under this item.
  - .7 Where new asphalt is to butt to existing asphalt, an approved asphalt emulsion shall be applied to the existing asphalt prior to placing new asphalt.
  - .8 All asphalt supplied and placed under these items is subject to adjustment based on the price of asphalt cement. (A.C.) Should the price of Asphalt Cement change from the time the tender closes to the time that the asphalt is placed, the Contractor is willing to increase or decrease the price per tonne depending on the amount of fluctuation in the price of A.C.

The asphalt price adjustment will be calculated as follows:

The posted MTO Asphalt Cement Price shall be used for determining any increase or decrease in the unit price. The posted MTO Asphalt Cement price at time of Tender Closing will be used in the calculation and will be confirmed at the time of the Pre-Construction Meeting. For every \$10.00 per tonne increase or decrease in the MTO A.C. price that is posted for the month that the work of this item is completed, the tendered unit price of this item shall also increase or decrease by \$0.50 per tonne.

- .9 Paving of each lane shall be completed in a single pull. Where asphalt has sat for more than 15 minutes, it shall be considered a cold joint and will require an approved asphalt emulsion be applied.
- .10 Notwithstanding that other items of this Contract may specify the adjustment of certain structures to base course or final asphalt grades, as the case may be, any structures not so specified shall be adjusted to base course under this item. There will be no separate payment for this work. The adjustment of structures and valves boxes from base asphalt to final asphalt grade shall be completed using one-piece cast steel adjustment rings.
- .11 Measurement for payment for this item shall be per tonne, as evidenced by weigh scale slips from an approved scale (per OPSS 102) and signed by the inspector on site. Payment at the tendered unit price shall be compensation in full for all related work.

#### **SP 61 - HOT MIX MISCELLANEOUS**

- .1 The work of this item shall include, without limitation, the placement of asphaltic concrete in all areas other than the roadway. Asphalt will generally be placed 50 mm thick under this item unless otherwise specified.
- .2 Measurement for payment shall be in square metres.

- .3 Payment at the tendered unit price shall be full compensation for all labour, equipment and material required to do the work except that the hot mix material shall be paid for under the Hot Mix — HL3 item.

**SP 62 - SUPPLY AND INSTALL CONCRETE BARRIER CURB AND GUTTER – OPSD 600.040**

- .1 The work of this item shall include, without limitation, the excavation for, fine grading of granular base, and forming, pouring and curing of concrete curb and gutter of the types and in the locations shown on the drawings.
- .2 Work shall conform to OPSS 353. Curb and gutter shall conform to OPSD 600.040. Connection to existing curb and gutter shall be properly prepared to allow permanent continuity from existing to new. Curb terminations to be per OPSD 608.010.
- .3 Measurement for payment shall be per lineal metre of curb installed. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 63 - SUPPLY AND INSTALL CONCRETE SIDEWALK**

- .1 The work of this item shall include, without limitation, the excavation for, fine grading of granular base, forming, paving and curing of concrete sidewalk in the locations shown on the drawings.
- .2 Work shall conform to OPSD 310.010 and OPSS 351.
- .3 All granular 'A' material shall be included in the tendered price.
- .4 Concrete sidewalk to consist of 125 mm thick by 1.50 m wide with minimum 100 mm Granular 'A' compacted to 98% SPmdd. Sidewalk shall be 150 mm thick under driveways.
- .5 Measurement for payment shall be per square metre of concrete sidewalk installed. Payment at the tendered price shall be compensation in full for all related work.

**SP 64 - CONCRETE DRIVEWAY RESTORATION**

- .1 Work of this item shall include, without limitation, the restoration of all concrete driveways which were damaged as a result of the installation of the sidewalk, sanitary, storm and/or water services to each residence. Where practical, concrete to be removed to nearest joint. This item to include all required saw cutting.
- .2 Concrete to be 30 MPa with 6% air entrainment and placed at a minimum depth of 150 mm for all driveways. The maximum allowable slump shall be 100 mm.
- .3 Concrete driveway shall be placed on 150mm Granular 'A' base and 200mm Granular 'B'. Granular 'A' and Granular 'B' shall be paid under their respective items.
- .4 Measurement for payment shall be per square metre of concrete driveway replaced. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 65 - BRICK DRIVEWAY RESTORATION**

- .1 Work of this item shall include, without limitation, the restoration of all paving stone driveways which were damaged as a result of the installation of the sidewalk, sanitary, storm and/or water services to each residence.
- .2 Paving stones shall be placed on 150mm Granular 'A' base and 200mm Granular 'B'. Granular 'A' and Granular 'B' shall be paid under their respective items.



- .3 Measurement for payment shall be per square metre of paving stone driveway replaced. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 66 - SUPPLY AND INSTALL TACTILE PLATES**

- .1 The work of this item shall include, without limitation, the supply and installation of Tactile Plates in accordance with OPSD 310.030 and 310.039.
- .2 Measurement for payment shall be per tactile plate installed. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 67 - SUPPLY AND PLACE TOPSOIL AND SOD**

- .1 The work of this item shall include, without limitation, the supply and placement of sod and 150 mm of topsoil.
- .2 Fine grading of the topsoil shall be such as to allow the use of a small ride-on lawnmower for grass cutting. There shall be no distinct ruts or windrows greater than 25 mm in depth/height. Further, final grading shall be such that positive drainage will be achieved from all working areas onto the roadway or otherwise as the Contract Administrator may direct.
- .3 Placement of topsoil shall conform to OPSS 802. Sod shall be placed in conformance with OPSS 803. All sod shall be rolled immediately after placement.
- .4 Topsoil shall be compacted using a plate tamper against all impervious surfaces to prevent settlement.
- .5 The Contractor shall be responsible for the watering of sod until sufficient growth is achieved.
- .6 Measurement for payment shall be per square metre topsoiled and sodded. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 68 - DUST CONTROL**

- .1 The work of this item shall include, without limitation, the supply F.O.B. site of water from sources other than municipal water supplies, and the controlled application of water or the supply and spreading on-site of calcium chloride for dust control purposes, as directed by the Contact Administrator, and/or MUNICIPALITY OF WEST GREY.
- .2 Work shall be done in accordance with OPSS 506.
- .3 There will be no measurement for payment for this item. Payment of the tendered lump sum price shall be compensated in full for all related work. Payment on a proportional basis of the lump sum divided by the expected period (weeks) scheduled by the Contractor for dust control.

**SP 69 - PREPARATION OF SUBGRADE AND BOULEVARD**

- .1 The work of this item shall include, without limitation, fine grading (to tolerances of  $\pm 30$  mm), compaction to 95% S.P.D., proof rolling and all other work required to prepare the subgrade for placement of Granular 'B'; rough grading (to tolerances of  $\pm 50$  mm) of the boulevards to 150 mm below final grade.
- .2 Boulevards shall be graded so that the curbs are fully "backed-up" with a very short ramp section down to the designated 150 mm below final grade.
- .3 Boulevards behind sidewalk shall be graded at a maximum slope of 3:1 and in a manner that

- will not impede drainage. In the proposed guide rail system location t
- .4 The Contractor shall be responsible for qualified geotechnical consultant to verify subgrade performance (proof-rolling). Proof rolling to be conducted using a minimum 20 tonne vehicle. Proof rolling is to be completed prior to installation of granular subbase. Results are to be forwarded to the Contract Administrator.
  - .5 There will be no measurement for payment for this item. Payment of the tendered lump sum price shall be compensation in full for all related work.

#### **SP 70 - 250 mm dia. PVC STORM SERVICE**

- .1 The work of this item shall include, without limitation, the supply and installation of storm sewer laterals when located in the field. These storm laterals shall be 250 mm diameter SDR-28 PVC pipe unless otherwise indicated.
- .2 Work shall be completed in accordance with OPSS 410 and OPSD 1006.02. Bedding shall consist of Granular 'A' conforming to OPSS 1010, compacted to at least 95% SPmdd, extending from at least 100 mm below the invert of the pipe to at least 150 mm above the obvert of the pipe. Trench backfill shall be native material unless otherwise directed by the Engineer. All backfill shall be compacted to at least 95% SPmdd.
- .3 The work of this item shall also include any form of trench support required; such trench support, if used, shall be approved by the Ministry of Labour under the Occupational Health and Safety Act and Regulations prior to its use.
- .4 Connection to the storm sewer main shall be by manufactured tee or by an Inserta Tee or equivalent type product.
- .5 Storm sewer laterals shall be connected to existing service at the property line.
- .6 The tender unit price to include the cost of the supply and installation of a 250 mm dia. storm cleanout for each lateral at property line. All cleanout ends shall be fitted with a waterproof steel cap. All cleanouts shall be located on property line unless otherwise directed by the Engineer.
- .7 Measurement for payment for this item shall be per service lateral installed. Payment at the tendered unit prices shall be full compensation for all related work.

#### **SP 71 - SUPPLY AND INSTALL TWO (2) – 100mm DB2 PVC CONDUIT**

- .1 The work of this item shall include, without limitation, all labour, equipment, materials, pipe and fittings required for the excavation, laying, bedding and backfilling of two (2) – 100mm DB2 PVC conduits complete with 8 kN Mule Tape as herein specified and/or indicated on the Contract Drawings. Conduits shall be laid a minimum of 900mm below final grade.
- .2 Conduit shall be installed as per OPSS 603 and OPSD 2100.050 and OPSD 2101.01
- .3 Buried warning tape shall be required with a minimum width of 7.6 cm (3 inches). The tape shall be marked "WARNING OPTICAL CABLE" and shall be bright orange or bright yellow.
- .4 The conduits will be placed above the Raw Watermain.
- .5 Measurement for payment for this item shall be in linear metres installed. Horizontal measurements will be made from the start of the conduit until the end of the conduit over surface after the work has been completed. Payment at the tendered unit price shall be compensation in full for all related work.

**SP 72 - REMOVE EXISTING STORM MANHOLE/CATCHBASIN**

- .1 The work of this item shall include, without limitation, the removal and disposal of existing storm structures within the contract limits and as indicated on the Contract Drawings. All materials will be disposed of off site, at the cost of the Contractor.
- .2 Measurement for payment shall be, without limitation, per structure removed as evidenced by the Contract Administrator. Payment at the tendered unit price shall be compensation in full for all related costs.

**SP 73 - CONNECT PROPOSED STORM SEWER TO EXISTING STORM STRUCTURE**

- .1 The work of this item shall include without limitation, connection to the existing storm structure as shown on the Contract Drawings.
- .2 All connections shall form a watertight seal in order to prevent groundwater from infiltrating.
- .3 Measurement for payment for this item shall be per connection completed. Payment of the tendered unit price shall be compensated in full for all related work.

**SP 74 - CONNECT EXISTING STORM SEWER TO PROPOSED STORM STRUCTURE**

- .1 The work of this item shall include without limitation, connection to the existing storm sewer as shown on the Contract Drawings.
- .2 All connections shall form a watertight seal in order to prevent groundwater from infiltrating.
- .3 Measurement for payment for this item shall be per connection completed. Payment of the tendered unit price shall be compensated in full for all related work.

**SP 75 - CONNECT EXISTING STORM SEWER TO PROPOSED STORM SEWER**

- .1 The work of this item shall include without limitation, connection to the existing storm sewer as shown on the Contract Drawings.
- .2 All connections shall form a watertight seal in order to prevent groundwater from infiltrating.
- .3 Measurement for payment for this item shall be per connection completed. Payment of the tendered unit price shall be compensated in full for all related work.