



NEW WESTMINSTER

CORPORATION OF THE CITY OF NEW WESTMINSTER

CONTRACT No. NWIT-18-23

2018 & 2019 CCTV Sewer Inspection Program

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INVITATION TO TENDER

**CORPORATION OF THE CITY OF NEW WESTMINSTER
(THE OWNER)**

Contract: 2018 & 2019 CCTV Sewer Inspection Program

Reference No: NWIT-18-23

The Owner invites tenders for:

Cleaning and CCTV Inspection of approximately 61,000 m of various diameter sewer mains (sanitary storm and combined sewer), including inspection of approximately 1,027 manholes. There are three main project areas, which are:

- Queensborough
- Glenbrook Ravine
- Sapperton

Copies of the Contract Documents are available for download from the City of New Westminister Purchasing site at:

<https://www.newwestcity.ca/business-and-economy/doing-business-with-the-city/request-for-bids-and-proposals-open>

Tenderers are responsible to check for all subsequent addendums/amendments on the City's Purchasing web page and/or BC Bid and respond according to the Invitation to Tender documents.

Tenders are scheduled to close at:

Tender Closing Date: Thursday, November 22, 2018

Tender Closing Time: 3:00 pm (Local Time)

At:

City of New Westminister City Hall – Main Information Desk
511 Royal Avenue
New Westminister, BC, V3L 1H9
Attention: Purchasing Manager

A tender shall be accompanied by a Bid Bond (or Certified Cheque) in the amount of ten percent (10%) of the Tender Price payable to the Corporation of the City of New Westminister. The successful tenderer will be required to provide a Performance and Labour and Material Payment Bond each in the amount of fifty percent (50%) of the Tender Price. An Agreement of Surety to bond shall accompany the tender submitted.

Enquiries regarding this tender may be directed to:

Heather Rossi, Intermediate Buyer

City of New Westminister

email: nwpurchasing@newwestcity.ca

The lowest or any Tender may not necessarily be accepted and the City will not be responsible for any cost incurred by the Tenderer in preparing the Tender. Tender award will be contingent on budget approval from the City of New Westminister Council.

INSTRUCTIONS TO TENDERERS

Instructions to Tenderers, Part I

INSTRUCTIONS TO TENDERERS – PART 1

(TO BE READ WITH “INSTRUCTIONS TO TENDERERS - PART II” CONTAINED IN THE EDITION OF THE PUBLICATION “MASTER MUNICIPAL CONSTRUCTION DOCUMENTS” SPECIFIED IN ARTICLE 2.2 BELOW)

CORPORATION OF THE CITY OF NEW WESTMINSTER

(THE OWNER)

Contract: **2018 & 2019 CCTV Sewer Inspection Program**

Reference No: **NWIT-18-23**

- 1.0 Introduction**
- 1.1 These Instructions apply to and govern the preparation of tenders for this *Contract*. The *Contract* is generally for the following work:
- Cleaning and CCTV Inspection of approximately 61,000 m of various diameter sewer mains (sanitary storm and combined sewer), including inspection of approximately 1,027 manholes. There are three main project area, which are:
- Queensborough
 - Glenbrook Ravine
 - Sapperton
- 1.2 Direct all inquiries regarding the *Contract*, to:
- Heather Rossi, Intermediate Buyer**
City of New Westminster
511 Royal Ave, New Westminster, BC, V3L 1H9
email: nwpurchasing@newwestcity.ca
- 2.0 Tender Documents**
- 2.1 The tender documents, which a tenderer should review to prepare a tender, consist of all of the *Contract Documents* listed in Schedule 1 entitled “Schedule of Contract Documents”. Schedule 1 is attached to the Agreement which is included as part of the tender package. The *Contract Documents* include the drawings listed in Schedule 2 to the Agreement, entitled “List of *Contract Drawings*”, and Schedule 3 “Prime Contractor Designation”.
- 2.2 Portions of the Contract Documents are included by reference. Copies of these documents have not been included with the tender package. These documents are the Instructions to Tenderers - Part II, General Conditions, Specifications, and Standard Detail Drawings. They are those contained in the publication entitled “Master Municipal Construction Documents - General Conditions, Specifications, and Standard Detail Drawings”. Refer to Schedule 1 to the Agreement or, if not specified in Schedule 1, then the applicable edition shall be the most recent edition as of the date of the *Tender Closing Date*. All sections of this publication are by reference included in the *Contract Documents*.

Copies of the Master Municipal Construction Document (Platinum Edition) can be obtained at:

Support Services Unlimited
 #102 – 211 Columbia Street
 Vancouver, BC, V6A 2R5
 604 681-0295

- 2.3 Any additional information made available to tenderers prior to the *Tender Closing Time* by the *Owner* or representative of the *Owner*, such as geotechnical reports or as-built plans, which is not expressly included in Schedule 1 or Schedule 2 to the Agreement, is not included in the *Contract Documents*. Such additional information is made available only for the assistance of tenderers who must make their own judgment about its reliability, accuracy, completeness and relevance to the *Contract*, and neither the *Owner* nor any representative of the *Owner* gives any guarantee or representation that the additional information is reliable, accurate, complete or relevant.
- Addenda
- 2.4 Should addenda to the tender documents be required for any reason, it is the City's intention not to issue addenda during a period three (3) days prior to the Tender Closing date and time.
- 2.5 All Addenda become part of the Contract Documents.
- 2.6 Failure to acknowledge any Addendum may result in the disqualification of the Tenderer.
- 3.0 **Submission of Tenders**
- 3.1 Tenders must be submitted in a sealed envelope, marked on the outside with the above *Contract* Title and Reference No., and must be received on or before:
- Tender Closing Time: 3:00 pm (Local Time)**
- Tender Closing Date: Thursday, November 22, 2018**
- Address: **City of New Westminster
 Main Information Desk
 511 Royal Avenue
 New Westminster, BC V3L 1H9**
- Attention: **Purchasing Manager**
- 3.2 Late tenders will not be accepted or considered, and will be returned unopened.
- 3.3 Facsimile electronic mail or other unsealed bids will not be accepted.
- 3.4 The City will not open this Tender in public. The City will make the Tender results available to Tenderers within a reasonable period following the Tender Closing Date and Time.

4.0 Additional Instructions to Tenderers

4.1 IT 5 (amend clause 5 as follows)

Add 5.3.6 Appendix 6 – Force Account Labour and Equipment Rates. Insert the hourly rates for Labour and Equipment including allowances for taxes, assessments, benefits, tools, overhead, and profit.

Add 5.3.7 Appendix 7 – Declaration – Living Wage Employer

Award

4.2 IT 15 (delete clause 15.1.1 and replace with):

15.1.1 Reject any or all Tenders if the City determines, in its sole discretion and after appropriate investigation and evaluation, that:

- a) the comparable work references are, in the opinion of the City, unsatisfactory; **OR**
- b) information becomes available after Closing Time which significantly changes the scope or extent of the project; **OR**
- c) the Tender, or all of the Tenders, exceeds the available budget funds; **OR**
- d) less than three (3) Tenders are received.

4.3 IT 15.5 (add clause 15.5 as follows)

In exercising its discretion, the *Owner* will have regard to the information provided by the Tenderer in the Appendices to the Form of Tender as described under IT 5, and may also have regard to any information obtained by the *Owner* in evaluating such tender information, as well as the *Owner's* previous experience, if any, with the Tenderer. In exercising its discretion the *Owner* may consider, but is not limited to, the following criteria in addition to the Tender Price:

- a) the proven experience of the Tenderer, and any listed subcontractors to do the Work;
- b) the Tenderer's ability to complete the Work within the Preliminary Construction Schedule;
- c) the Tenderer's ability to work effectively with the *Owner*, its consultants and representatives;
- d) the Tenderer's ability to manage and do the work effectively using the named superintendent and submitted contractors and subcontractors;
- e) the Tenderer's history on other projects including with respect to quality of work, changes in the work, force account work, and the contract administration costs of the *Owner*;
- f) the nature of any legal proceedings undertaken the by Tenderer, or any officer or director of the Tenderer or affiliate of the Tenderer, directly (or indirectly through another corporation) against the *Owner* within the previous five years of the Invitation to Tenders;
- g) litigation and on-going unresolved claims;
 - a. in addition to any other provision of this tender document, and without limiting the City's discretion

under any other provision of this tender document, the City may, in its absolute discretion, reject a tender if:

- i. the Tenderer, or any officer or director of the Tenderer, is or has been engaged directly or indirectly in a legal action against the City in relation to any matter; or,
 - ii. the Tenderer has current unresolved extra work claims totalling in excess of \$100,000.00 beyond 90 days of contract substantial completion for any construction project with the City.
- b. in determining whether or not to reject a tender under this section, the City will consider whether the litigation or unresolved extra work claim is likely to affect the Tenderer's ability to work with the City, its employees, consultants and representatives and whether the City's experience with the Tenderer indicates an unusual risk the City will incur increased staff and legal costs in the administration of the contract if awarded to the Tenderer.

The *Owner* will, following receipt of an acceptable tender, issue in writing a *Notice of Acceptance* to the successful tenderer. This Notice will be given as soon as possible following the closing of tenders and, unless otherwise agreed to by the tenderer, not later than sixty (60) days following the Tender Closing Date.

4.4 IT 15.6 (add clause 15.6 as follows)

The *Owner* may, prior to and after Contract Award, negotiate changes to the scope of the Work, the type of materials, the specifications or any conditions with the low tenderer without having any duty or obligation to advise any other tenderer or to allow them to vary their Tender Prices as a result of such changes and the *Owner* shall have no liability to any other tenderer as a result of such negotiations or modifications.

The award of this *Contract* is subject to approval of the *Owner* and to the availability of sufficient funds to complete the Work. The City may delete certain portions of the Work if Tender Prices exceed the available budget.

Prime Contractor Designation

4.5 IT 18 (add clause 18 as follows)

Schedule 3 Prime Contractor Designation forms part of the Agreement.

Freedom of Information

4.6 IT 19 (add clause 19 as follows)

The City of New Westminster is subject to the Province of British Columbia *Freedom of Information and Protection of Privacy Act*. All documents will be received and held in confidence by the City

of New Westminster and the information will not be disclosed, except to the extent necessary for carrying out the City's purposes or as required by law.

Living Wage Information

4.7 IT 20 (add clause 20 as follows)

Effective January 1, 2011, the City of New Westminster became a "Living Wage Employer" (see Form of Tender - Appendix 7). As such, the City has established a Living Wage Policy that requires all firms that are contracted by the City to provide services on City premises, to pay their employees, who perform said service on City property, a Living Wage as calculated by the Living Wage for Families Campaign. The current living wage rate for Metro Vancouver is \$20.91 per hour, assuming no benefits are provided by the employer.

In order to determine an employee's hourly rate with benefits the Living Wage for Families has created a Living Wage Calculator to assist with this determination. Please access the following website to determine your compatibility.

<http://www.livingwageforfamilies.ca/employers/living-wage-calculator/>

The City includes in all its competitive bid documents a Declaration referencing the City's expectations with regards to compliance of the Policy. **Completion and submission of the Declaration is required prior to Contract award** (see Form of Tender - Appendix 7).

In evaluating submissions, the City intends to rely on the Declaration provided by a Respondent and shall have no obligation or duty to investigate the truthfulness of the Declaration.

Please review the City's [Living Wage Page](#) for further information.

Good Neighbour Protocol

4.8 IT 21 (add clause 21 as follows)

This policy is for City-led construction projects and works. The [Good Neighbour Protocol](#) (GNP) provides guidelines to minimize construction related impacts to residents and businesses.

The successful contractor will be required to adhere to the Good Neighbour Protocol.

Please review the City's Good Neighbour Protocol for further information

http://www.newwestcity.ca/database/files/library/Good_Neighbour_Protocol_External_Dec_2015.pdf

Non-Road Diesel Engine Emissions Regulation

4.9 IT 22 (add clause 22 as follows)

All non-road diesel powered equipment that is 25 hp (19 kw) or greater must comply with Metro Vancouver's Non-Road Diesel

Engine Emissions Regulation Bylaw No. 1161, 2012 (the Bylaw). The Bylaw requires owners or operators of Tier 0 and Tier 1 non-road diesel engines to register, label, and pay fees in order to operate within Metro Vancouver. Please advise what Engine Tier your proposed equipment meets and if it complies with Metro Vancouver's Bylaw. Provide the engine registration number issued by Metro Vancouver if applicable. The City, at its discretion, may give preference to equipment that meets higher emission standards. To register your equipment call Metro Vancouver for assistance at 604-451-6655 or visit www.metrovancouver.org/nonroaddiesel

FORM OF TENDER WITH APPENDICES

- Form of Tender
- Appendix 1: Schedule of Quantities and Prices
- Appendix 2: Preliminary Construction Schedule
- Appendix 3: Experience of Superintendent
- Appendix 4: Comparable Work Experience
- Appendix 5: List of Sub-Contractors
- Appendix 6: Force Account Labour and Equipment Rates
- Appendix 7: Declaration – Living Wage Employer

FORM OF TENDER

CORPORATION OF THE CITY OF NEW WESTMINSTER
(THE OWNER)

Contract: **2018 & 2019 CCTV Sewer Inspection Program**

Reference No: **NWIT-18-23**

To Owner:

1 WE, THE UNDERSIGNED:

- 1.1 have received and carefully reviewed all of the *Contract Documents*, including the Instructions to Tenderers, the specified edition of the “Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings” and the following Addenda:

(Addenda, if any)

- 1.2 have full knowledge of the *Place of the Work*, and the *Work* required; and
- 1.3 have complied with the Instructions to Tenderers; and

2 ACCORDINGLY WE HEREBY OFFER

- 2.1 to perform and complete all of the *Work* and to provide all the labour, equipment and material all as set out in the *Contract Documents*, in strict compliance with the *Contract Documents*; and
- 2.2 to achieve Substantial Performance of the *Work* on or before **twenty-four (24) weeks** from the *Notice to Proceed*; and
- 2.3 to do the *Work* for the price, which is the sum of the products of the actual quantities incorporated into the *Work* and the appropriate unit prices set out in Appendix 1, the “*Schedule of Quantities and Prices*”, plus any lump sums or specific prices and adjustment amounts as provided by the *Contract Documents*. For the purposes of tender comparison, our offer is to complete the *Work* for the “*Tender Price*” as set out on Appendix 1 of this Form of Tender. Our *Tender Price* is based on the estimated quantities listed in the *Schedule of Quantities and Prices*, and excludes *GST*.

3 WE CONFIRM:

- 3.1 that we understand and agree that the quantities as listed in the *Schedule of Quantities and Prices* are estimated, and that the actual quantities will vary.

4 WE CONFIRM:

- 4.1 that the following appendices are attached to and form a part of this tender:
- 4.1.1 the appendices as required by paragraph 5.3 of the Instructions to Tenderers – Part II; and
- 4.1.2 the *Bid Security* as required by paragraph 5.2 of the Instructions to Tenderers – Part II.

Tenderer's Initials _____

5**WE AGREE:**

5.1 that this tender will be irrevocable and open for acceptance by the *Owner* for a period of sixty (60) calendar days from the day following the *Tender Closing Date and Time*, even if the tender of another tenderer is accepted by the *Owner*. If within this period the *Owner* delivers a written notice (“*Notice of Award*”) by which the *Owner* accepts our tender we will:

5.1.1 within 15 *Days* of receipt of the written *Notice of Award* deliver to the *Owner*:

- a) a Performance Bond in the amount of 50% of the Contract Price, issued by a surety licensed to carry on the business of surety ship in the Province of British Columbia, and in a form acceptable to the *Owner*;
- b) a Labour and Material Payment Bond in the amount of 50% of the Contract price, the Labour and Material Payment Bond must be a **Broad Form bond**, protecting all companies with a direct contract with the Principal or any sub-contractor of the Principal;
- c) a *Baseline Construction Schedule*, as provided by GC 4.6.1;
- d) a “clearance letter” indicating that the tenderer is in WorkSafeBC compliance;
- e) a copy of the insurance policies as specified in GC 24 indicating that all such insurance coverage is in place; and,
- f) proof of a valid City of New Westminster or MetroWest Inter-Municipal Business License

5.1.2 sign the Contract Documents as required by GC 2.1.2.

5.1.3 within 2 *Days* of receipt of written “*Notice to Proceed*”, or such longer time as may be otherwise specified in the *Notice to Proceed*, commence the *Work*; and

6**WE AGREE:**

6.1 that, if we receive written *Notice of Award* of this *Contract* and, contrary to paragraph 5 of this Form of Tender, we:

a) fail or refuse to deliver the documents as specified by paragraph 5.1.1 of this Form of Tender; or

b) fail or refuse to commence the *Work* as required by the *Notice to Proceed*,

then such failure or refusal will be deemed to be a refusal by us to enter into the *Contract* and the *Owner* upon written notice to us, may award the *Contract* to another party. We further agree that, as full compensation on account of damages suffered by the *Owner* because of such failure or refusal, the *Bid Security* shall be forfeited to the *Owner*, in an amount equal to the lesser of:

a) the face value of the *Bid Security*; and

b) the amount by which our *Tender Price* is less than the amount for which the *Owner* contracts with another party to perform the *Work*.

Tenderer's Initials _____

7

OUR ADDRESS is as follows:

Phone: _____

Fax: _____

E-mail:: _____

Attention: _____

This Tender is executed this

_____ day of _____, 2018

Contractor:

(full legal name of corporation, partnership or individual)

(Authorized Signatory)

(Authorized Signatory)

Tenderer's Initials _____

FORM OF TENDER – Appendix 1**SCHEDULE OF QUANTITIES AND PRICES**

(See paragraph 5.3.1 of the Instructions to Tenderers - Part II)

(All prices and *Quotations* including the *Contract Price* shall include all *Taxes*, but shall not include *GST*. *GST* shall be shown separately.)

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
SECTION 1 – INSPECTION OF SEWERS						
Glenbrook Ravine Area						
Sanitary Sewer						
1.01	33 01 30.1 1.6	200 mm diameter pipe	l.m.	280	\$	\$
Storm Sewer						
1.02	33 01 30.1 1.6	375 mm diameter pipe	l.m.	44	\$	\$
1.03	33 01 30.1 1.6	400 mm diameter pipe	l.m.	74	\$	\$
1.04	33 01 30.1 1.6	450 mm diameter pipe	l.m.	81	\$	\$
1.05	33 01 30.1 1.6	525 mm diameter pipe	l.m.	23	\$	\$
1.06	33 01 30.1 1.6	600 mm diameter pipe	l.m.	32	\$	\$
Queensborough Area						
Sanitary Sewer						
1.07	33 01 30.1 1.6	100 mm diameter pipe	l.m.	50	\$	\$
1.08	33 01 30.1 1.6	150 mm diameter pipe	l.m.	166	\$	\$
1.09	33 01 30.1 1.6	200 mm diameter pipe	l.m.	14,598	\$	\$
1.10	33 01 30.1 1.6	250 mm diameter pipe	l.m.	84	\$	\$
1.11	33 01 30.1 1.6	300 mm diameter pipe	l.m.	283	\$	\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
		Storm Sewer				
1.12	33 01 30.1 1.6	150 mm diameter pipe	l.m.	50	\$	\$
1.13	33 01 30.1 1.6	200 mm diameter pipe	l.m.	254	\$	\$
1.14	33 01 30.1 1.6	250 mm diameter pipe	l.m.	3,192	\$	\$
1.15	33 01 30.1 1.6	300 mm diameter pipe	l.m.	1,723	\$	\$
1.16	33 01 30.1 1.6	375 mm diameter pipe	l.m.	1,164	\$	\$
1.17	33 01 30.1 1.6	400 mm diameter pipe	l.m.	31	\$	\$
1.18	33 01 30.1 1.6	450 mm diameter pipe	l.m.	1,379	\$	\$
1.19	33 01 30.1 1.6	525 mm diameter pipe	l.m.	728	\$	\$
1.20	33 01 30.1 1.6	600 mm diameter pipe	l.m.	1,171	\$	\$
1.21	33 01 30.1 1.6	675 mm diameter pipe	l.m.	14	\$	\$
1.22	33 01 30.1 1.6	750 mm diameter pipe	l.m.	1,124	\$	\$
1.23	33 01 30.1 1.6	900 mm diameter pipe	l.m.	1,447	\$	\$
1.24	33 01 30.1 1.6	1050 mm diameter pipe	l.m.	1,049	\$	\$
1.25	33 01 30.1 1.6	1200 mm diameter pipe	l.m.	889	\$	\$
1.26	33 01 30.1 1.6	1390 mm diameter pipe	l.m.	48	\$	\$
		Sapperton Area				
		Sanitary Sewer				
1.27	33 01 30.1 1.6	150 mm diameter pipe	l.m.	56	\$	\$
1.28	33 01 30.1 1.6	200 mm diameter pipe	l.m.	1,222	\$	\$
1.29	33 01 30.1 1.6	250 mm diameter pipe	l.m.	57	\$	\$
1.30	33 01 30.1 1.6	300 mm diameter pipe	l.m.	1,878	\$	\$
1.31	33 01 30.2 1.5	375 mm diameter pipe	l.m.	95	\$	\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
		Storm Sewer				
1.33	33 01 30.1 1.6	150 mm diameter pipe	l.m.	10	\$	\$
1.34	33 01 30.1 1.6	200 mm diameter pipe	l.m.	1,089	\$	\$
1.35	33 01 30.1 1.6	250 mm diameter pipe	l.m.	477	\$	\$
1.36	33 01 30.1 1.6	300 mm diameter pipe	l.m.	782	\$	\$
1.37	33 01 30.1 1.6	375 mm diameter pipe	l.m.	747	\$	\$
1.38	33 01 30.1 1.6	450 mm diameter pipe	l.m.	532	\$	\$
1.39	33 01 30.1 1.6	525 mm diameter pipe	l.m.	186	\$	\$
1.40	33 01 30.1 1.6	600 mm diameter pipe	l.m.	394	\$	\$
1.41	33 01 30.1 1.6	750 mm diameter pipe	l.m.	389	\$	\$
1.42	33 01 30.1 1.6	825 mm diameter pipe	l.m.	77	\$	\$
1.43	33 01 30.1 1.6	900 mm diameter pipe	l.m.	244	\$	\$
1.44	33 01 30.1 1.6	1050 mm diameter pipe	l.m.	140	\$	\$
1.45	33 01 30.1 1.6	1200 mm diameter pipe	l.m.	363	\$	\$
1.46	33 01 30.1 1.6	1670 mm diameter pipe	l.m.	161	\$	\$
1.47	33 01 30.1 1.6	1800 mm diameter pipe	l.m.	271	\$	\$
1.48	33 01 30.1 1.6	Unknown pipe diameter	l.m.	87	\$	\$
		Combined Sewer				
1.49	33 01 30.1 1.6	100 mm diameter pipe	l.m.	56	\$	\$
1.50	33 01 30.1 1.6	150 mm diameter pipe	l.m.	1,452	\$	\$
1.51	33 01 30.1 1.6	200 mm diameter pipe	l.m.	10,260	\$	\$
1.52	33 01 30.1 1.6	250 mm diameter pipe	l.m.	1,879	\$	\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
1.53	33 01 30.1 1.6	300 mm diameter pipe	l.m.	2,870	\$	\$
1.54	33 01 30.1 1.6	350 mm diameter pipe	l.m.	229	\$	\$
1.55	33 01 30.1 1.6	375 mm diameter pipe	l.m.	1,618	\$	\$
1.56	33 01 30.1 1.6	400 mm diameter pipe	l.m.	464	\$	\$
1.57	33 01 30.1 1.6	450 mm diameter pipe	l.m.	1,628	\$	\$
1.58	33 01 30.1 1.6	600 mm diameter pipe	l.m.	1,040	\$	\$
1.59	33 01 30.1 1.6	650 mm diameter pipe	l.m.	109	\$	\$
1.60	33 01 30.1 1.6	750 mm diameter pipe	l.m.	101	\$	\$
1.61	33 01 30.1 1.6	825 mm diameter pipe	l.m.	431	\$	\$
1.62	33 01 30.1 1.6	900 mm diameter pipe	l.m.	353	\$	\$
1.63	33 01 30.1 1.6	1000 mm diameter pipe	l.m.	204	\$	\$
1.64	33 01 30.1 1.6	1200 mm diameter pipe	l.m.	210	\$	\$
TOTAL SECTION 1 – INSPECTION OF SEWERS <i>(transfer to Summary Sheet)</i>						

SECTION 2 – CLEANING OF SEWERS

		Glenbrook Ravine Area				
		Sanitary Sewer				
2.01	33 01 30.2 1.5	200 mm diameter pipe	l.m.	280	\$	\$
		Storm Sewer				
2.02	33 01 30.2 1.5	375 mm diameter pipe	l.m.	44	\$	\$
2.03	33 01 30.2 1.5	400 mm diameter pipe	l.m.	74	\$	\$
2.04	33 01 30.2 1.5	450 mm diameter pipe	l.m.	81	\$	\$
2.05	33 01 30.2 1.5	525 mm diameter pipe	l.m.	23	\$	\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
2.06	33 01 30.2 1.5	600 mm diameter pipe	l.m.	32	\$	\$
		Queensborough Area				
		Sanitary Sewer				
2.07	33 01 30.2 1.5	100 mm diameter pipe	l.m.	50	\$	\$
2.08	33 01 30.2 1.5	150 mm diameter pipe	l.m.	166	\$	\$
2.09	33 01 30.2 1.5	200 mm diameter pipe	l.m.	14,598	\$	\$
2.10	33 01 30.2 1.5	250 mm diameter pipe	l.m.	84	\$	\$
2.11	33 01 30.2 1.5	300 mm diameter pipe	l.m.	283	\$	\$
		Storm Sewer				
2.12	33 01 30.2 1.5	150 mm diameter pipe	l.m.	50	\$	\$
2.13	33 01 30.2 1.5	200 mm diameter pipe	l.m.	254	\$	\$
2.14	33 01 30.2 1.5	250 mm diameter pipe	l.m.	3,192	\$	\$
2.15	33 01 30.2 1.5	300 mm diameter pipe	l.m.	1,723	\$	\$
2.16	33 01 30.2 1.5	375 mm diameter pipe	l.m.	1,164	\$	\$
2.17	33 01 30.2 1.5	400 mm diameter pipe	l.m.	31	\$	\$
2.18	33 01 30.2 1.5	450 mm diameter pipe	l.m.	1,379	\$	\$
2.19	33 01 30.2 1.5	525 mm diameter pipe	l.m.	728	\$	\$
2.20	33 01 30.2 1.5	600 mm diameter pipe	l.m.	1,171	\$	\$
2.21	33 01 30.2 1.5	675 mm diameter pipe	l.m.	14	\$	\$
2.22	33 01 30.2 1.5	750 mm diameter pipe	l.m.	1,124	\$	\$
2.23	33 01 30.2 1.5	900 mm diameter pipe	l.m.	1,447	\$	\$
2.24	33 01 30.2 1.5	1050 mm diameter pipe	l.m.	1,049	\$	\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
2.25	33 01 30.2 1.5	1200 mm diameter pipe	l.m.	889	\$	\$
2.26	33 01 30.2 1.5	1390 mm diameter pipe	l.m.	48	\$	\$
Sapperton Area (Area 01)						
Sanitary Sewer						
2.27	33 01 30.1 1.5	150 mm diameter pipe	l.m.	600	\$	\$
2.28	33 01 30.1 1.5	200 mm diameter pipe	l.m.	1,222	\$	\$
2.29	33 01 30.1 1.5	250 mm diameter pipe	l.m.	57	\$	\$
2.30	33 01 30.1 1.5	300 mm diameter pipe	l.m.	2,100	\$	\$
2.31	33 01 30.2 1.5	375 mm diameter pipe	l.m.	95	\$	\$
Storm Sewer						
2.33	33 01 30.1 1.5	150 mm diameter pipe	l.m.	10	\$	\$
2.34	33 01 30.1 1.5	200 mm diameter pipe	l.m.	1,089	\$	\$
2.35	33 01 30.1 1.5	250 mm diameter pipe	l.m.	477	\$	\$
2.36	33 01 30.1 1.5	300 mm diameter pipe	l.m.	782	\$	\$
2.37	33 01 30.1 1.5	375 mm diameter pipe	l.m.	747	\$	\$
2.38	33 01 30.1 1.5	450 mm diameter pipe	l.m.	532	\$	\$
2.39	33 01 30.1 1.5	525 mm diameter pipe	l.m.	186	\$	\$
2.40	33 01 30.1 1.5	600 mm diameter pipe	l.m.	394	\$	\$
2.41	33 01 30.1 1.5	750 mm diameter pipe	l.m.	389	\$	\$
2.42	33 01 30.1 1.5	825 mm diameter pipe	l.m.	77	\$	\$
2.43	33 01 30.1 1.5	900 mm diameter pipe	l.m.	244	\$	\$
2.44	33 01 30.1 1.5	1050 mm diameter pipe	l.m.	140	\$	\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
2.45	33 01 30.1 1.5	1200 mm diameter pipe	l.m.	363	\$	\$
2.46	33 01 30.1 1.5	1670 mm diameter pipe	l.m.	161	\$	\$
2.47	33 01 30.1 1.5	1800 mm diameter pipe	l.m.	271	\$	\$
2.48	33 01 30.1 1.5	Unknown pipe diameter	l.m.	87	\$	\$
Combined Sewer						
2.49	33 01 30.1 1.5	100 mm diameter pipe	l.m.	56	\$	\$
2.50	33 01 30.1 1.5	150 mm diameter pipe	l.m.	1,452	\$	\$
2.51	33 01 30.1 1.5	200 mm diameter pipe	l.m.	10,260	\$	\$
2.52	33 01 30.1 1.5	250 mm diameter pipe	l.m.	1,879	\$	\$
2.53	33 01 30.1 1.5	300 mm diameter pipe	l.m.	2,870	\$	\$
2.54	33 01 30.1 1.5	350 mm diameter pipe	l.m.	229	\$	\$
2.55	33 01 30.1 1.5	375 mm diameter pipe	l.m.	1,618	\$	\$
2.56	33 01 30.1 1.5	400 mm diameter pipe	l.m.	464	\$	\$
2.57	33 01 30.1 1.5	450 mm diameter pipe	l.m.	1,628	\$	\$
2.58	33 01 30.1 1.5	600 mm diameter pipe	l.m.	1,024	\$	\$
2.59	33 01 30.1 1.5	650 mm diameter pipe	l.m.	109	\$	\$
2.60	33 01 30.1 1.5	750 mm diameter pipe	l.m.	101	\$	\$
2.61	33 01 30.1 1.5	825 mm diameter pipe	l.m.	431	\$	\$
2.62	33 01 30.1 1.5	900 mm diameter pipe	l.m.	353	\$	\$
2.63	33 01 30.1 1.5	1000 mm diameter pipe	l.m.	204	\$	\$
2.64	33 01 30.1 1.5	1200 mm diameter pipe	l.m.	210	\$	\$
TOTAL SECTION 2 – CLEANING SEWER <i>(transfer to Summary Sheet)</i>						\$

Tenderer's Initials _____

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price (\$)	Amount (\$)
SECTION 3 – MANHOLE INSPECTIONS						
		Glenbrook Ravine Area				
3.01	33 01 30.1 1.6	Manhole Inspection	Each	17	\$	\$
		Queensborough Area				
3.02	33 01 30.1 1.6	Manhole Inspection	Each	510	\$	\$
		Sapperton Area				
3.03	33 01 30.1 1.6	Manhole Inspection	Each	500	\$	\$
TOTAL SECTION 3 – MANHOLE INSPECTIONS <i>(transfer to Summary Sheet)</i>						\$

SECTION 4 – OPTIONAL WORK						
4.01	33 01 30.2 1.5	Intruding service cutting	Each	30	\$	\$
4.02	33 01 30.2 1.5	Root cutting	Hour	50	\$	\$
4.03	33 01 30.2 1.5	Grease cutting	Hour	50	\$	\$
4.04	33 01 30.2 1.5	Solid debris removal	Hour	30	\$	\$
4.05	33 01 30.1 1.6	Additional setup after Intruding service cutting, root cutting, or solid debris removal.	Each	30	\$	\$
TOTAL SECTION 4 – OPTIONAL WORK <i>(transfer to Summary Sheet)</i>						\$

Tenderer's Initials _____

FORM OF TENDER – Appendix 1**SCHEDULE OF QUANTITIES AND PRICES**

(See paragraph 5.3.1 of the Instructions to Tenderers - Part II)

(All prices and *Quotations* including the *Contract Price* shall include all *Taxes*, but shall not include *GST*. *GST* shall be shown separately.)

TENDER SUMMARY

ITEM		TOTAL AMOUNT
SECTION 1	INSPECTION OF SEWERS <i>(transferred from FT Page 7)</i>	\$
SECTION 2	CLEANING OF SEWERS <i>(transferred from FT Page 10)</i>	\$
SECTION 3	MANHOLE INSPECTION <i>(transferred from FT Page 11)</i>	\$
SECTION 4	OPTIONAL WORK <i>(transferred from FT Page 11)</i>	\$
	TENDERED PRICE	\$
	5% GST	\$
	TOTAL TENDERED PRICE	\$

Tenderer's Initials _____

FORM OF TENDER – Appendix 2

PRELIMINARY CONSTRUCTION SCHEDULE
(See paragraph 5.3.2 of the Instructions to Tenderers - Part II)

Indicate schedule with bar chart with major item descriptions and time

ACTIVITY	CONSTRUCTION SCHEDULE (WEEKS)											
	2	4	6	8	10	12	14	16	18	20	22	24

Tenderer's Initials _____

FORM OF TENDER – Appendix 3

EXPERIENCE OF SUPERINTENDENT

(See paragraph 5.3.3 of the Instructions to Tenderers - Part II)
Include name and contact information for references

Name: _____ Years' Experience: _____

Experience:

Date: _____

Project Name: _____

Responsibilities: _____

References: _____

Date: _____

Project Name: _____

Responsibilities: _____

References: _____

Date: _____

Project Name: _____

Responsibilities: _____

References: _____

Tenderer's Initials _____

FORM OF TENDER – Appendix 4

COMPARABLE WORK EXPERIENCE

(See paragraph 5.3.4 of the Instructions to Tenderers - Part II – add additional pages as necessary)

Company / Owner’s Name: _____

Contact Person: _____ Phone: _____

Email Address _____

Description of Work: _____

Project Date: _____ Approximate Value: _____

Company / Owner’s Name: _____

Contact Person: _____ Phone: _____

Email Address _____

Description of Work: _____

Project Date: _____ Approximate Value: _____

Company / Owner’s Name: _____

Contact Person: _____ Phone: _____

Email Address _____

Description of Work: _____

Project Date: _____ Approximate Value: _____

Tenderer’s Initials _____

FORM OF TENDER – Appendix 5

LIST OF SUBCONTRACTORS

(See paragraph 5.3.5 of the Instructions to Tenderers - Part II)

TENDER ITEM	TRADE	SUBCONTRACTOR NAME	PHONE NUMBER

Tenderer's Initials _____

FORM OF TENDER – Appendix 6

FORCE ACCOUNT LABOUR AND EQUIPMENT RATES

(See paragraph 4.1 – 5.3.6 of the Instructions to Tenderers - Part I)

Labour and Equipment Classification	Hourly Rate	Overtime Rate
Foreman	\$ /hour	\$ /hour
Equipment Operator	\$ /hour	\$ /hour
CCTV Operator	\$ /hour	\$ /hour
Labourer	\$ /hour	\$ /hour
Flag Person	\$ /hour	\$ /hour
Grade Person	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour
	\$ /hour	\$ /hour

Tenderer's Initials _____

FORM OF TENDER – Appendix 7

DECLARATION – LIVING WAGE EMPLOYER

(See paragraph 4.1 – 5.3.7 and paragraph 4.6 of the Instructions to Tenderers – Part I)



I, _____ as a duly authorized signing officer of

Company: _____

Address _____

_____, confirm that all employees and sub-contractors under our contract with the City as outlined below, are paid not less than the “Living Wage” as calculated by the Living Wage for Families Campaign.

I understand that this requirement extends only to those employees and sub-contractors’ employees that perform work while on City premises and property for durations in excess of one continuous hour per occasion.

I understand that the City will conduct audits if and when notification of breach of this compliance is received by the City. I understand that in the event any breach of this declaration is found to be true, the City reserves the right to cancel its contract without penalty at any time once said authentication of the breach is made.

Contract Name: _____

Authorized Signatory:

Dated:

Tenderer’s Initials _____

AGREEMENT

- Agreement
 - Schedule 1 – Schedule of Contract Documents
 - Schedule 2 – List of Drawings
 - Schedule 3 – Prime Contractor Designation

AGREEMENT

BETWEEN OWNER AND CONTRACTOR

(FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT - TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.)

BETWEEN *OWNER* AND *CONTRACTOR*

This agreement made in duplicate this

_____ day of _____, 2018

Contract: **2018 & 2019 CCTV Sewer Inspection Program**

Reference No. **NWIT-18-23**

BETWEEN:

The Corporation of the City of New Westminster
 511 Royal Avenue
 New Westminster, BC, V3L 1H9

(the "*Owner*")

AND:

[NAME AND OFFICE ADDRESS OF CONTRACTOR]

(the "*Contractor*")

The *Owner* and the *Contractor* agree as follows:

- | | |
|--|---|
| Article 1
The Work Start /
Completion Dates | <p>1.1 The <i>Contractor</i> will perform all <i>Work</i>, provide all labour, equipment, and material, and do all things strictly as required by the <i>Contract Documents</i>.</p> <p>1.2 The <i>Contractor</i> will commence the <i>Work</i> in accordance with the <i>Notice to Proceed</i>. The <i>Contractor</i> will proceed with the <i>Work</i> diligently, will perform the <i>Work</i> generally in accordance with the construction schedules as required by the <i>Contract Documents</i> and will achieve <i>Substantial Performance</i> of the <i>Work</i> on or before twenty-four (24) weeks from the <i>Notice to Proceed</i>, subject to the provisions of the <i>Contract Documents</i> for adjustments to the <i>Contract Time</i>.</p> <p>1.3 Time shall be of the essence of the <i>Contract</i>.</p> |
|--|---|

Article 2
Contract Documents

- 2.1 The “*Contract Documents*” consist of the documents listed or referred to in Schedule 1, entitled “Schedule of Contract Documents”, which is attached and forms a part of this Agreement, and includes any and all additional and amending documents issued in accordance with the provisions of the *Contract Documents*. All of the *Contract Documents* shall constitute the entire *Contract* between the *Owner* and the *Contractor*.
- 2.2 The *Contract* supersedes all prior negotiations, representations, or agreements, whether written or oral, and the *Contract* may be amended only in strict accordance with the provisions of the *Contract Documents*.

Article 3
Contract Price

- 3.1 The price for the *Work* (“*Contract Price*”) shall be the sum in Canadian dollars of the following
- 3.1.1 the product of the actual quantities of the items of *Work* listed in the *Schedule of Quantities and Prices* which are incorporated into or made necessary by the *Work* and the unit prices listed in the *Schedule of Quantities and Prices*; plus
- 3.1.2 all lump sums, if any, as listed in the *Schedule of Quantities and Prices*, for items relating to or incorporated into the *Work*; plus
- 3.1.3 any adjustments, including any payments owing on account of *Changes* and agreed to *Extra Work*, approved in accordance with the provisions of the *Contract Documents*
- 3.2 The *Contract Price* shall be the entire compensation owing to the *Contractor* for the *Work* and this compensation shall cover and include all profit and all costs of supervision, labour, material, equipment, overhead, financing, and all other costs and expenses whatsoever incurred in performing the *Work*.

Article 4
Payment

- 4.1 Subject to applicable legislation and the provisions of the *Contract Documents*, the *Owner* shall make payments to the *Contractor*.
- 4.2 If the *Owner* fails to make payments to the *Contractor* as they become due in accordance with the terms of the *Contract Documents* then interest calculated at 0% per annum over the prime commercial lending rate of the Royal Bank of Canada on such unpaid amounts shall also become due and payable until payment. Such interest shall be calculated and added to any unpaid amounts monthly.

**Article 5
Rights and Remedies**

- 5.1 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.
- 5.2 Except as specifically set out in the *Contract Documents*, no action or failure to act by the *Owner*, *Contract Administrator* or *Contractor* shall constitute a waiver of any of the parties' rights or duties afforded under the *Contract*, nor shall any such action or failure to act constitute an approval of or acquiescence in any breach under the *Contract*.

**Article 6
Notices**

- 6.1 Communications among the *Owner*, the *Contract Administrator* and the *Contractor*, including all written notices required by the *Contract Documents*, may be delivered by hand, or by fax, or by pre-paid registered mail to the addresses as set out below:

The *Owner*:

**Corporation of the City of New Westminster
511 Royal Avenue
New Westminster, BC V3L 1H9**

Fax:

Attention:

The *Contractor*:

Fax:

Attention:

The *Contract Administrator*:

**Wedler Engineering LLP
202-10216 128 Street
Surrey, BC V3T 2Z3**

Fax: 604-588-1910

Attention Tim Jorgensen, P.Eng

- 6.2 A communication or notice that is addressed as above shall be considered to have been received
 - 6.2.1 immediately upon delivery, if delivered by hand; or
 - 6.2.2 immediately upon transmission if sent by fax and received in hard copy; or
 - 6.2.3 after five (5) Days from date of posting if sent by registered mail.

- 6.3 The *Owner* or the *Contractor*, at any time, may change its address for notice by giving written notice to the other at the address then applicable. Similarly, if the *Contract Administrator* changes its address for notice then the *Owner* will give or cause to be given written notice to the *Contractor*.
- 6.4 The sender of a notice by fax assumes all risk that the fax is received in hard copy.
- 7.1 This *Contract* shall be construed according to the laws of British Columbia.
- 7.2 The *Contractor*, without the express written consent of the *Owner*, shall not, assign this *Contract*, or any portion of this *Contract*.
- 7.3 The headings included in the *Contract Documents* are for convenience only and do not form part of this *Contract* and will not be used to interpret, define, or limit the scope or intent of this *Contract* or any of the provisions of the *Contract Documents*.
- 7.4 A word in the *Contract Documents* in the singular includes the plural and, in each case, vice versa.
- 7.5 This agreement shall enure to the benefit of and be binding upon the parties and their successors, executors, administrators and assigns.

**Article 7
General**

IN WITNESS WHEREOF, the parties hereto have executed this Agreement the day and year first written above.

Contractor:

(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

Owner:

Corporation of the City of New Westminster

(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

Patrick Shannon, SCMP
Purchasing Manager

(AUTHORIZED SIGNATORY)

**Schedule 1
Schedule of Contract
Documents**

The following is an exact and complete list of the *Contract Documents*, as referred to in Article 2.1 of the Agreement.

NOTE: The documents noted with “*” are contained in the “Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings”, edition dated 2009 Platinum. All sections of this publication are included in the *Contract Documents*.

Agreement, including all Schedules;

Schedule 3 – Prime Contractor Designation;

Supplementary General Conditions (if any);

General Conditions*;

Supplementary Specifications (if any);

Specifications*;

Supplementary Standard Detail Drawings (if any);

Standard Detail Drawings*;

Executed Form of Tender, including all Appendices;

Contract Drawings listed in Schedule 2 to the Agreement – “List of *Contract Documents*”;

Instructions To Tenderers - Part I;

Instructions to Tenderers - Part II*;

The following Addenda:

The following Enquiries and Responses:

Schedule 2
List of Contract Drawings

TITLE	DRAWING NO.	REVISION NO.	REVISION DATE
NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program Queensborough - 1	S18-0255/A-01	B	October 17, 2018
NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program Queensborough – 2	S18-0255/A-02	B	October 17, 2018
NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program Glenbrook Ravine	S18-0255/A-03	B	October 17, 2018
NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program Sapperton 1	S18-0255/A-04	B	October 17, 2018
NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program Sapperton 2	S18-0255/A-05	B	October 17, 2018

Schedule 3
Prime Contractor Designation

Prime Contractor Designation

This Schedule forms part of the agreement between the Corporation of the City of New Westminster (the “City”) and _____ Contractor Name _____ (the “Contractor”) respecting **NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program** (the “Agreement”).

1. DEFINITIONS

1.1 In this Prime Contractor Designation schedule:

- (a) **“Agreement”** means the agreement entered into between the City and the Contractor on [date] in relation to [description of services] for the Project;
- (b) **“Hazardous Materials Report”** means a report prepared by a qualified person in accordance with s. 20.112 of the *OH&S Regulation*;
- (c) **“Owner”** means the City, which is the owner of the Project;
- (d) **“Project”** means **NWIT-18-23 2018 & 2019 CCTV Sewer Inspection Program**;
- (e) **“Project Manager”** means the City’s designate with responsibility to liaise with the Contractor for the purpose of managing, overseeing, coordinating or in any other way administering the Project

2. PRIME CONTRACTOR DESIGNATION

2.1 The Contractor agrees to assume the responsibilities of Prime Contractor for the Project, as set out in the *Workers Compensation Act* and the *OH&S Regulation*.

3. CONTRACTOR RESPONSIBILITIES AS PRIME CONTRACTOR

3.1 As Prime Contractor for the Project, the Contractor will:

- (a) ensure that the activities of employers, workers and other persons at the Project relating to occupational health and safety are coordinated; and
- (b) do everything that is reasonably practicable to establish and maintain a system or process that will ensure compliance at the Project with the *Workers Compensation Act* and the *OH&S Regulation*.

3.2 Without limiting the generality of the foregoing, the Contractor will:

- (a) prior to beginning demolition or construction work on the Project, meet with the Project Manager to review and complete the Pre-Job Meeting Form, to review and discuss the information in the City’s Known Hazards Form and the Contractor’s pre-work hazard identification documents, and to review and discuss the Hazardous Materials Report (if any);
- (b) conduct all necessary and appropriate inquiries of all relevant City staff and City records to ensure the Contractor is not missing any information from the City that is relevant to safety at the Project;

- (c) review, plan to address, and address all hazards identified in the City's Known Hazards Form, the Contractor's pre-work hazard identification documents, any Hazardous Materials Report, and any hazards or risk identified in the *Workers Compensation Act* or the *OH&S Regulation*;
- (d) maintain and make available the documents listed on the Pre-Job Meeting Form, as appropriate;
- (e) inform all other employers working on the Project that the Contractor is designated as the Prime Contractor for the Project;
- (f) establish and maintain a system or process that will ensure compliance with the *OH&S Regulation* when visitors (i.e. couriers, inspectors, suppliers, etc.) enter the Project, which shall include site orientation and hazard communication to such visitors by the Contractor or the Contractor's designate;
- (g) maintain a current list of persons that each employer at the Project has designated to be responsible for that employer's health and safety activities at the Project;
- (h) ensure appropriate first aid resources are available for workers at the Project at all times work is being performed, in accordance with and as required by the *OH&S Regulation*;
- (i) if required by the *OH&S Regulation*, submit a Notice of Project to WorkSafeBC in accordance with the *OH&S Regulation*, and comply with all requirements of the *OH&S Regulation* concerning the Notice of Project;
- (j) if required by the *OH&S Regulation*, the Contractor will appoint a Qualified Coordinator for the purpose of ensuring the coordination of health and safety activities for the Project, and the Contractor shall ensure that any Qualified Coordinator so appointed is qualified to perform the responsibilities of his or her position and carries out the roles and responsibilities of a Qualified Coordinator as set out in the *OH&S Regulation*;
- (k) provide the following information, in an always updated form, in a readily available location at the Project;
 - (i) *the name of any Qualified Coordinator appointed to the Project;*
 - (ii) *a site drawing, which must be posted, showing project layout, first aid location, emergency transportation provisions, and the evacuation marshalling station; and*
 - (iii) *a set of construction procedures designed to protect the health and safety of workers at the Project, developed in accordance with the requirements of the OH&S Regulation;*
- (l) immediately notify the City of the identity of any Qualified Coordinator appointed by the Contractor at the Project, from time to time.

4. HAZARDOUS MATERIALS

- 4.1 If during demolition or construction work on the Project the Contractor discovers or has reason to believe that there are hazardous materials at the Project that were not set out in any Hazardous Materials Report, the Contractor will;
 - (a) immediately notify the Project Manager;
 - (b) take all reasonably appropriate measures to ensure the safety of workers at the Project; and
 - (c) take all reasonably appropriate measures to ensure the safety of the general public.

- 4.2 Upon notification by the Contractor of additional hazardous materials or suspected hazardous materials at the Project not set out in any Hazardous Materials Report, the

City, in accordance with the *OH&S Regulation*, will obtain an updated Hazardous Materials Report, and will share such updated report with the Contractor. If the scope of work of the Project is changed as a result of the updated Hazardous Materials Report, the Project Manager will meet with the Contractor to discuss how the Project may be completed in a safe and cost effective manner.

5. GENERAL

- 5.1 In the event of a conflict between the Agreement and the *Workers Compensation Act* or the *OH&S Regulation*, the legislative requirement(s) will apply.
- 5.2 If any part of this schedule is held to be unenforceable by a court or tribunal of competent jurisdiction, that part shall be severed and the remaining parts of this schedule shall remain in full force and effect.
- 5.3 If the Contractor violates any of the requirements of this schedule or of the *Workers Compensation Act* or the *OH&S Regulation*, the City may treat such violation as a breach of the Agreement resulting in possible termination or suspension of the Agreement and/or any other actions deemed appropriate at the discretion of the City.
- 5.4 No failure or delay by either party to this schedule in exercising any power, right or privilege provided in this schedule will operate as a waiver, nor will any single or partial exercise of such rights, powers or privileges preclude any further exercise of them or the exercise of any other right, power or privilege provided in this schedule.
- 5.5 This schedule may be terminated in accordance with the terms of the Agreement.

SUPPLEMENTARY GENERAL CONDITIONS

- Supplementary General Conditions

SUPPLEMENTARY GENERAL CONDITIONS

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SUPPLEMENTARY GENERAL CONDITIONS

(TO BE READ WITH "GENERAL CONDITIONS" CONTAINED IN THE PLATINUM EDITION OF THE PUBLICATION
"MASTER MUNICIPAL CONSTRUCTION DOCUMENTS" SPECIFIED IN "INSTRUCTIONS TO TENDERERS" IT - 2.2)

- | | | |
|--|--------------|---|
| DEFINITIONS | 1 | |
| | 1.79 | <i>“(amend clause X.XX as follows)”</i> preceding a supplementary clause means this clause modifies or provides additional information or restrictions to the referenced clause in the Master Municipal Construction Documents Platinum Edition, Volume II. |
| | 1.80 | <i>“(add new clause X.XX as follows)”</i> preceding a supplementary clause means this clause provides additional requirements or information not found in the Master Municipal Construction Documents Platinum Edition, Volume II. |
| | 1.81 | <i>“(delete clause X.XX and replace as follows)”</i> preceding a supplementary clause means this clause replaces the referenced clause in the Master Municipal Construction Documents Platinum Edition, Volume II in its entirety. |
|
CONTRACTOR |
4 | |
| Control of Work | 4.1 | 4.1.3 <i>(add clause 4.1.3 as follows)</i>
The <i>Contractor</i> shall take precautions to reduce nuisance caused from mud or dust by clean-up, sweeping, sprinkling with water or other means as necessary to accomplish results satisfactory to the <i>Contract Administrator</i> . If the <i>Contractor</i> fails to maintain the site tidy or refuses to remove waste and debris as directed by the <i>Contract Administrator</i> , the <i>Owner</i> , at its own discretion, may proceed to clean the site, remove waste and debris from site, and deduct from any payment due the <i>Contractor</i> the cost of such cleaning or removing materials. |
|
Protection of Work,
Property and the Public |
4.3 | 4.3.1 <i>(Delete the following from the last sentence of G.C.4.3.1 as follows)</i>
... except for damage, which, in the Performance of the Work, the <i>Contractor</i> could not reasonably avoid.

4.3.4 <i>(amend clause 4.3.4 as follows)</i>
(1) expose and determine conclusively the location in the field all underground utilities and structures whether or not indicated on the <i>Contract Documents</i> as being at the <i>Place of the Work</i> . The <i>Contractor</i> shall also be responsible to consult with all utility corporations that provide electricity, communication, gas or other utility services in the area of the <i>Place of the Work</i> , to locate in three dimensions all underground utilities for which they have records. The <i>Contractor</i> shall also locate in three dimensions any other utilities or underground structures that are reasonably apparent in an inspection of the <i>Place of the Work</i> . The |

Contractor shall provide Fortis BC with three weeks' notice for relocation of any gas mains or services if it is required when crossing the gas lines.

(2) The *Contractor* shall contact BC One Call at least forty eight (48) hours prior to excavating to advise of the *Work*.

4.3.6 (*Delete 4.3.6 entirely*)

4.3.7 (*add new clause 4.3.7 as follows*)

The *Contractor* shall locate, mark, and protect from damage or disturbance, any and all stakes, survey pins, monuments and markers at the *Place of the Work*. All survey stakes, survey pins, monuments, or markers that are damaged or disturbed shall be made good following construction by a registered B.C. Land Surveyor. Such repairs shall become part of the *Work* and shall be at the *Contractor's* expense.

4.3.8 (*add new clause 4.3.8 as follows*)

Contractor to submit, fourteen (14) calendar days prior to the start of construction, a Traffic Management Plan (TMP) provided by a qualified traffic management company, and prepared in accordance with the "Traffic Control Manual for Work in Roadways". Road closures will not be allowed without prior approval from the City of New Westminster. The cost of the TMP will be incidental to payment of work described in other sections.

The *Contractor* shall ensure that single lane traffic movement is available in each direction at all times and shall minimize impact to on-street parking and pedestrian access to commercial and residential properties during working hours.

The *Contractor* shall carry out the work such that access to commercial and residential properties is maintained at all times. The *Contractor* shall provide a minimum one week advance written notice to all property owners prior to construction, and shall also provide a minimum two (2) working days' notice to individual property owners prior to commencing work affecting individual property access.

The *Contractor* shall give due notice to local police and fire department prior to beginning construction and shall comply in all respects with their requirements.

The *Contractor* shall comply with the requirements of the appropriate authority concerned with closure of streets or highways and shall post proper notices and/or signals, and provide necessary barriers, guards, lights, flagmen or watchmen as may be necessary for proper maintenance of traffic and protection of persons and property from injury or damage. All costs involved in respect of the above

requirements will be deemed to be included in the *Contract Price*.

Where existing streets or roads are not available as detours, all traffic shall be permitted to pass through the *Work* with as little inconvenience and delay as possible unless otherwise provided or authorized. If half the street only is under improvement, the other half shall be conditioned and maintained as detour.

Where construction is to be carried out on highways or properties other than those of the *Owner* it shall be the responsibility of the *Contractor* to familiarize himself with the requirements of the owners or controllers of these properties which pertain to traffic safety or control of the construction operation and to carry out his work in accordance with these requirements.

Construction Schedule

4.6 4.6.8 (*add new clause 4.6.8 as follows*)

The *Contractor* may carry out the *Work* between 0700 h and 2000 h inclusive, Monday to Friday, except as listed below. The *Contractor* shall schedule their *Work* within these hours and will not be permitted to commence *Work* earlier than outlined, except as authorized by the *Contract Administrator*.

- Braid Street – 0900 h to 1500 hr inclusive
- East Columbia Street - 0900 h to 1500 hr inclusive
- Brunette Avenue - 0900 h to 1500 hr inclusive
- Tenth Street - 0900 h to 1500 hr inclusive

The *Contractor* will adhere to the City of New Westminster's noise by-law.

4.6.9 (*add new clause 4.6.9 as follows*)

The *Contractor* shall not schedule work that will require inspection beyond an eight-hour day without the *Contract Administrator's* prior approval. Any extra cost incurred by the *Owner* for work done outside of normal office hours may be deducted from the *Contractor's* monthly payments.

4.6.10 (*add new clause 4.6.10 as follows*)

On the infrequent occasion that the *Contractor* finds it necessary to work on Saturday, Sunday or Statutory Holiday, the *Contractor* shall obtain the *Contract Administrator's* approval forty-eight (48) hours in advance. Work on Sundays or Statutory Holidays will also require the City's approval, with a minimum two weeks' notice. The *Contractor* shall also be charged a working day and may be charged the overtime inspection costs incurred by the *Owner*. Such costs shall be deducted from monthly progress payments.

Survey Layout and As-Constructed Information	4.17	<p>4.17.1 (<i>add new clause 4.17.1 as follows</i>)</p> <p>The <i>Contractor</i> is responsible for all survey required for construction layout and for record drawings associated with this contract. The <i>Contractor</i> shall be responsible for recording of all field survey information pertaining to the as-constructed drawings. The <i>Contractor</i> shall provide, at no charge, a completed set of legible, marked-up as-constructed prints to the <i>Contract Administrator</i> on completion of the <i>Work</i>. The <i>Contractor</i> shall provide any additional information as requested to enable the <i>Contract Administrator</i> to prepare and submit as-constructed record drawings to the Municipality or the <i>Owner</i> for their records.</p>
City Industrial Health and Safety Program	4.18	<p>4.18.1 (<i>add new clause 4.18.1 as follows</i>)</p> <p>4.18.1 All <i>Contractors</i> working for the City of New Westminster are required to be aware of the City's Industrial Health and Safety Program. It is the <i>Contractor's</i> responsibility to perform the job in compliance with the City's safety standards. The <i>Contractor</i> is responsible for the compliance of all employees for whom he is primarily responsible, with all WorkSafeBC Industrial Health and Safety Regulations, as well as all other applicable Regulations.</p>
VALUATION OF CHANGES AND EXTRA WORK	9	
Valuation Method	9.2.1	<p>9.2.1.1 (<i>add to clause</i>)</p> <p>; subject to final approval of available funding by the <i>Owner</i>.</p>
Quantity Variations	9.4	<p>9.4.1 (<i>delete clause 9.4.1 and replace as follows</i>)</p> <p>The <i>Contractor</i> shall hold firm all unit prices submitted in the <i>Schedule of Quantities and Prices</i> regardless of the increase or decrease in quantities.</p>
CONCEALED OR UNKNOWN CONDITIONS	11	
Definition	11.1	<p>11.1.1 (<i>delete 11.1.1 and substitute with the following</i>)</p> <p>A "Concealed or Unknown Conditions" is Hazardous Materials not disclosed in the <i>Contract Documents</i>.</p> <p>11.1.2 (<i>add the clause 11.1.2 as follows</i>)</p> <p>The <i>Contractor</i> bears the risk and liability for utilities and subsurface soil conditions. The <i>Contractor</i> acknowledges that it has not relied on accuracy of any information provided by the <i>Owner</i> in evaluating these risks. The <i>Contractor</i> acknowledges that it has full responsibility for locating utilities and has conducted its own investigation and has made allowance in the <i>Contract Price</i> for these risks.</p>

DELAYS	13	
Delay by Owner or Contract Administrator	13.1.1	13.1.1 (<i>add to clause</i>) The <i>Owner</i> or <i>Contract Administrator</i> will not be liable for claims of delay caused by BC Hydro, TELUS, Fortis BC, Metro Vancouver, telecommunication companies, <i>Owner's</i> forces, or other utility corporations arising out of or connected to the <i>Work</i> .
Unforeseeable Market Conditions	13.4.1	Delete 13.4.1 entirely
PAYMENT	18	
Supporting Documentation	18.2.2	18.2.2 (<i>amend clause 18.2.2 as follows</i>) If requested in writing by the <i>Owner</i> , the <i>Contractor</i> shall, as a precondition to the issuance of the <i>Payment Certificate</i> , provide a sworn declaration in the form of a signed and properly sealed CCDC 9A-2001 Statutory Declaration to the <i>Contract Administrator</i> that all amounts relating to the <i>Work</i> , due and owing as of the end of the month covered by the <i>Payment Certificate</i> to third parties including all subcontractors and suppliers, have been paid.
	18.2.3	18.2.3 (<i>add clause 18.2.3 as follows</i>) The <i>Owner</i> retains the right to obtain proof of payment, in the form of a signed and properly sealed CCDC 9A-2001 Statutory Declaration, of all sub-trades and material suppliers from the <i>Contractor</i> prior to making final payment.
WORKERS COMPENSATION REGULATIONS	21	
Contractor is "Prime Contractor"	21.2.1	Delete "Substantial Performance" and Replace with "Total Performance"
INSURANCE	24	
Required Insurance	24.1	24.1 (<i>amend 24.1 as follows</i>) 24.1.1 (1) Limits: \$5,000,000 inclusive per occurrence for bodily injury, death, and damage to property. 24.1.1(2) (<i>add to 24.1.1(2) as follows</i>) The following shall be named as additional insured on the Contract: <ul style="list-style-type: none"> • Corporation of the City of New Westminster • <u>Wedler Engineering LLP</u> (Full name of Contract Administrator)

24.1.7 (add new 24.1.7 as follows)

Should the *Contractor* neglect to obtain and/or maintain insurance as aforesaid, or deliver such policy or policies to the *Owner*, then the *Owner* shall obtain and/or maintain such insurance and the *Contractor* hereby appoints the *Owner* its true and lawful attorney to do all things necessary for this purpose. All monies expended by the *Owner* for Insurance premiums under the provisions of this clause shall be charged to the *Contractor*.

MAINTENANCE PERIOD 25**Correction of Defects 25.1****25.1.4 (add clause 25.1.4 as follows)**

The *Owner* is authorized to make repairs to defects or deficiencies if, ten days after giving written notice, the *Contractor* has failed to make or undertake with due diligence the required repairs. However, in the case of emergency where, in the opinion of the *Owner*, delay is not reasonable, repairs may be made without notice being sent to the *Contractor*. All expenses incurred by the *Owner* in connection with repairs made pursuant to GC 25 shall be paid by the *Contractor* and may be deducted from the Maintenance Security, or other holdbacks. The *Contractor* shall promptly pay any shortfall.

**Commencement of
Maintenance Period 25.2****25.2.2 (amend clause 25.2.2 as follows)**

All warranties under this *Contract* commence from the date of *Substantial Performance* of the *Contract*, regardless of whether any *Subcontractor* achieves *Substantial Performance* of its Subcontract prior to *Substantial Performance* of the *Contract*.

SUPPLEMENTARY SPECIFICATIONS

- Supplementary Specifications

SUPPLEMENTARY SPECIFICATIONS

City of New Westminster Supplementary Specifications and Detail Drawings can be obtained [here](#).

SUPPLEMENTARY SPECIFICATIONS

Section	Sub-Section	Title	Supplementary Specification
01 55 00	1.4	Traffic Control, Vehicle Access and Parking	Add clause 1.4.9.6 as follows: “Temporary “No-Parking” signs will be provided to the Contractor for the use during construction (available for pick-up at City Stores)”
01 57 01	1.4	Environmental Protection	Add clause 1.4.4 as follows: “Disposal of Wastes: Maintain the site in a neat and orderly condition. Rubbish accumulations to be removed promptly. Debris removed from cleaning operations shall be hauled off-site and disposed of by the Contractor at an acceptable point of disposal. The point of disposal shall be located by the Contractor.”
01 57 01	1.4	Environmental Protection	Add clause 1.4.5 as follows: “If working within 10 m of any CORPORATION OF THE CITY OF NEW WESTMINSTER water mains, services connections, hydrants, etc. supplying water treated with chlorine, the Contractor shall maintain a minimum 22 kg supply of Sodium Thio-sulphate (brand names Penta, Hydrous) on site at all times. Treat all spillage or breakages with appropriate neutralizing dosage (7 gm per 1000 gallons). Contact City’s Water Department for recommended neutralizing procedures. Notify City immediately of all water main breaks” All storm lines discharge into fish bearing watercourses and, as such, water used for flushing purposes in vicinity of storm outfalls is to be dechlorinated.
01 58 01	1.2	Project Identification	Delete and replace clause 1.2.2 with: “Public Notice <ol style="list-style-type: none"> 1. The Contractor shall deliver a letter written by the Contract Administrator to all properties, which may be affected by the Work not less than one week and not more than two weeks prior to commencement of the Work. 2. The Contractor shall notify residents and businesses directly affected by the Work 48 hours in advance of commencement of the Work. 3. The Contractor shall contact the Contract Administrator 48 hours prior to the commencement of the Work and upon completion of the Work. The Contractor shall notify residents prior to accessing easements and rights of way adjacent to

Section	Sub-Section	Title	Supplementary Specification
			private property. All requests to access private property shall be obtained from the resident(s) prior to accessing private property.”
33 01 30.1	1.0	General	Delete and replace clause 1.0.1 as follows: “33 01 30.1 refers to those portions of the work that are unique to the requirements for inspecting new and existing sanitary, storm and combined sewer pipe culverts, and manholes, by closed circuit television (CCTV). This section must be referenced to and interpreted simultaneously with all other section pertinent to the works described herein.”
33 01 30.1	1.0	General	Add clause 1.0.2 as follows: “Storm and Sanitary Sewers inspected as part of this project will be assessed and evaluated by Wedler Engineering LLP. in accordance with NASSCO PACP/MACP procedures concurrently with the Works. As such, certain provisions and submission requirements have been included in this contract. The Contractor is to comply with provisions and submission requirements as noted herein.”
33 01 30.1	1.2	References	Delete and replace clause 1.2.2.1 as follows: “NASSCO PACP/MACP, most current version.”
33 01 30.1	1.5	Scheduling of Work	Add clause 1.5.3 as follows: “The Contractor shall contact Creighton O’Malley (Engineering Department phone: 604-830-6955) at the end of each day, stating the location of work and type of work to be undertaken the following day.”
33 01 30.1	1.6	Measurement for Payment	Delete and replace clause 1.6.1 with: “All units of measurement for payment will be as specified herein unless shown otherwise in Form of Tender. If not shown in Form of Tender, works are deemed to be incidental to other items of work.”
33 01 30.1	1.6	Measurement for Payment	Delete and replace clause 1.6.2 with: “CCTV pipeline inspection will be measured in lineal metres. Payment will be made at the unit price bid in Form of Tender. Only one payment will be made for each manhole to manhole segment.”
33 01 30.1	1.6	Measurement for Payment	Delete and replace clause 1.6.3 with: “Measurement will be determined by calibrated electronic measure along the sewer from the inside wall of manhole to inside wall of manhole or end to end of sewer pipe for all sections except where a blockage or obstruction occurs. Only pipes acceptably cleaned and inspected will be

Section	Sub-Section	Title	Supplementary Specification
			considered for payment. Inspections not meeting the requirements of the Supplementary Specifications shall be reinspected at the Contractor's expense."
33 01 30.1	1.6	Measurement for Payment	Delete and replace clause 1.6.6 Price of bypass pumping is to be included in the lineal meter price of CCTV inspection.
33 01 30.1	1.6	Measurement for Payment	Add clause 1.6.7 as follows: "Additional set up due to the presence and removal of obstruction (e.g. roots, grease, debris and protruding pipes) will be measured for payment for each set up"
33 01 30.1	1.6	Measurement for Payment	Add clause 1.6.8 as follows: "Measurement for manhole inspection will be for each complete inspection as described in section 3.0 Execution. Payment will be made at the unit price bid in the Form of Tender."
33 01 30.1	2.1	Equipment	Delete and replace clause 2.1.4 with: "All digital video editing shall be done with non-linear video editing software, and in no case shall edited digital files be recompressed. Digital video files shall conform to the following requirements: <ul style="list-style-type: none"> • Picture Size: NTSC 704 x 480 @ 29.97 frames per second • Data/Bit Rate: MPEG2 @ 5 M-bits/sec. Video capture equipment shall be capable of capture with no frame loss"
33 01 30.1	2.2	Materials	Delete and replace clause 2.2.3 with: "Digital reports and video files to be stored on portable hard drives, DVD-R, or flash drive."
33 01 30.1	3.1	CCTV Inspection	Delete and replace clause 3.1.1 with: "CCTV operator to be certified by NASSCO PACP and provide PACP Certificate Number. CCTV operator to have received and carefully reviewed all of the Contract Documents, including the Instructions to Tender and Specifications and Standard Detail Drawings prior to Contract starting."
33 01 30.1	3.1	CCTV Inspection	Delete and replace clause 3.1.2 with: "Contractor to submit sample of inspection report and video in portable hard drive, and corresponding digital database file for review within one week of receipt of notice to proceed with contract. Submissions to include all mandatory header fields of NASSCO PACP CCTV Inspection Form as well as highlighted fields on attached Form, and otherwise satisfy all of the

Section	Sub-Section	Title	Supplementary Specification
			specifications contained herein. The accepted report submission will be used as a benchmark for subsequent inspection report submissions.”
33 01 30.1	3.1	CCTV Inspection	Add the following at the end of clause 3.1.4: “Instances where camera setup is poor resulting in camera being set too low in the pipe hence going underwater and displaying poor video that cannot be analysed properly will not be accepted.”
33 01 30.1	3.1	CCTV Inspection	Add the following at the end of clause 3.1.7: “CCTV Inspections where camera lens is dirty, foggy, or out of focus will be rejected”
33 01 30.1	3.1	CCTV Inspection	Add the following at the end of clause 3.1.9: “Contractor to verify camera measurement against known distance in the presence of Owner’s representative prior to start of works.”
33 01 30.1	3.1	CCTV Inspection	Add the following at the end of clause 3.1.11: “Joint lengths to be carefully logged.”
33 01 30.1	3.1	CCTV Inspection	Amend clause 3.1.12.1 “Manhole (from to) using City’s manhole numbering system”
33 01 30.1	3.1	CCTV Inspection	Add the following at the end of clause 3.1.12.3: “AC to be correctly identified. Obvious reference to concrete pipe being noted as non-reinforced when re-bar was evident within the pipe will not be accepted.”
33 01 30.1	3.1	CCTV Inspection	Add clause 3.1.19 as follows: “Add PACP code overlay to video at defects or connections in addition to continuously displayed data in as per PACP CCTV Inspection Form.”
33 01 30.1	3.1	CCTV Inspection	Add clause 3.1.20 as follows: “Identify clearly in report of related report corresponding to reverse run. Mark with “See report #_for reverse run” on all corresponding reports. Where reports are abandoned, clearly identify in report reason for abandonment.”
33 01 30.1	3.1	CCTV Inspection	Add clause 3.1.21 as follows: “Contractor to have CCTV Inspection reports including PACP data base reviewed by a PACP Certified Operator within their organization to ensure that coding is compliant with PACP/MACP requirements, and that probable errors such as “Re-Videos” and or “Cleaning”, “Reversals Required” etc. can be addressed prior to Contractor leaving site.”
33 01 30.1	3.1	CCTV Inspection	Add clause 3.1.22 as follows: “Contractor to submit each inspection report and video files and corresponding digital database file stored in a portable hard drive, DVD-R, or flash drive with one accompanying copy of the printed inspection report and video binder for review

Section	Sub-Section	Title	Supplementary Specification
			<p>within one week of completion of inspection. The Contract Administrator will review reports on a hard drive by hard drive basis, and return hard drives with errors to the Contractor for editing and correction and resubmission.</p> <p>The following will be cause for rejection and re-submittal of reports:</p> <ul style="list-style-type: none"> • report not assembled correctly following contract document requirements with data and pages missing and/or misplaced within the hard drive provided, • photographs taken but not numbered and not recorded on the report page, • instances of no reports and/or no videos supplied necessitating re-videos, • reversals which have been done and not referenced to previous reports, incomplete video files”
33 01 30.1	3.1	CCTV Inspection	<p>Add clause 3.1.23 as follows: “Inspection at service connections to include view up middle of service to view infiltration or if service is live or capped. Pan around each service connection such that the camera looks at the entire interface and area adjacent as well as down the centerline of the service, pause for a minimum of five (5) seconds or as necessary to note condition of the joint and / or pipe/service interface. Instances of infiltration and re-bar at the interface are to be recorded.”</p>
33 01 30.1	3.1	CCTV Inspection	<p>Add clause 3.1.24 as follows: “Although not specifically indicated, CCTV Inspection is to proceed through dips in pipes so that the extent and length of sags can be confirmed during the evaluation process. Contractor should proceed to televise through sags and dips, and complete inspection to designated end point. If after emerging from sag or dip, camera lens is dirty and vision is blurred, camera shall be advanced to a position where the lens can be cleaned. Reverse inspections from downstream manhole for such sections will be accepted. The intention is to televise as much of each manhole-to-manhole section as possible. Contractor will be paid for length of sewer televised between manhole-to-manhole sections. Lengths where the vision is blurred and the camera lens is below liquid level for distances greater than 3 meters in length (that could otherwise be televised with a clear picture), and total length of sag or dip is measurable will be paid for at 50% of Tendered unit price.”</p>

Section	Sub-Section	Title	Supplementary Specification
33 01 30.1	3.1	CCTV Inspection	<p>Add clause 3.1.25 as follows: “For sewer lines that cannot be televised at the time of first set-up due to presence of roots, the Contractor will be required to attempt to re-televiser after root cutting as part of original contract works.</p> <p>For any sewer lines that cannot be televised due to presence of roots, the Contractor will be required to notify the Contract Administrator to perform root removal.</p> <p>The requirement for reinspection does not apply to encountering broken pipes, Joint Displaced (large), Open Joint (large), Intruding Connections, or Dimension Changes that prevent inspection from being completed between manholes.</p>
33 01 30.1	3.1	CCTV Inspection	<p>Add clause 3.1.26 as follows: “Any manholes found that are not shown on tender drawings, or are not able to be located, are to be referenced, identified, and added to the Municipality’s inventory. The Contractor shall advise the Municipality any such manholes found, and obtain Municipal manhole numbers for new manholes, and note non-existent manholes in final written reports”</p>
33 01 30.1	3.1	CCTV Inspection	<p>Add clause 3.1.27 as follows: An initial sample section (minimum 3000 meters) of a CCTV inspected area completed is to be submitted to the Owner’s representative. This section will be evaluated by the Owner’s representative for quality control. Any reports not meeting PACP standards will be noted and required to be redone. Errors in reports will be noted and returned to CCTV inspection contractor for correction.</p>
33 01 30.1	3.1	CCTV Inspection	<p>Add clause 3.1.28 as follows: “Manhole inspection and condition assessment shall be carried out in accordance with NASSCO MACP Level 1. The Contractor shall submit a sample inspection report for acceptance prior to proceeding. All mandatory MACP Level 1 fields shall be completed, as well as the fields highlighted on the attached MACP Header Form”</p>
33 01 30.1	3.7	Photographs and/or Digital Images	<p>Add clause 3.7.5 as follows: “For manhole inspections, photograph the interior showing benching of each manhole perpendicular to the base”</p>

Section	Sub-Section	Title	Supplementary Specification
33 01 30.1	3.7	Photographs and/or Digital Images	Add clause 3.7.6 as follows: “For manhole inspections, photograph the ground level characteristics within 2 m surrounding the manhole. Include white information board within the photo listing inspection number and manhole number.”
33 01 30.1	3.7	Photographs and/or Digital Images	Add clause 3.7.7 as follows: “For manhole inspections, photograph structural, staining, and infiltration defects.”
33 01 30.1	3.8	Inspection Reporting Hard Copies & Digital Format	Delete and replace clause 3.8.3 with: “Present report digitally and stored in portable hard drive, with one accompanying 215 mm x 280 mm three ring (D type) binder of printed reports.”
33 01 30.1	3.8	Inspection Reporting Hard Copies & Digital Format	Delete and replace clause 3.8.5 with: “Attach identical information labels on the portable hard drive, DVD-R, or flash drive and three ring binder.”
33 01 30.1	3.8	Inspection Reporting Hard Copies & Digital Format	Delete and replace clause 3.8.8 with: “Each portable hard drive, DVD-R, or flash drive to include a digital index of all inspection reports and observations”
33 01 30.1	3.8	Inspection Reporting Hard Copies & Digital Format	Add clause 3.8.10 as follows: “The City of New Westminster’s manhole numbering system will be used.”
33 01 30.1	3.11	Flow Reduction	Add clause 3.11.5 as follows: “For large diameter sewers (> 600 mm diameter), reduce flow in pipeline to approximately ½ pipe diameter to allow CCTV inspection by scheduling for off peak flow times.”
33 01 30.2	1.5	Measurement for Payment	Add the following at the end of clause 1.5.1: “If not shown in Form of Tender, works are deemed to be incidental to other items of work.”
33 01 30.2	1.5	Measurement for Payment	Delete and replace clause 1.5.2 with: “Sewer cleaning will be measured in lineal metres based on plan distances as outlined in Excel file to be provided. Payment will be made at the unit price bid in Form of Tender.”
33 01 30.2	1.5	Measurement for Payment	Add clause 1.5.5 as follows: “Protruding Service (hub) or obstruction cutting will be measured as a unit basis. Payment will be made at the unit price bid in Form of Tender.”
33 01 30.2	1.5	Measurement for Payment	Add clause 1.5.6 as follows: “Grease cutting will be measured in hours. Payment will be made at the unit price bid in Form of Tender. Measurement will be determined from the difference in time between when the grease cutting tool is engaged at the face of the manhole to when

Section	Sub-Section	Title	Supplementary Specification
			it exits on completion of the grease removal process.”
33 01 30.2	1.5	Measurement for Payment	<p>Add clause 1.5.7 as follows: “Solid debris removal will be measured in hours and payment will be made at the unit price bid in Form Tender. Solid debris shall be defined as deposits (excluding roots) that cannot be removed by conventional high pressure flushing and require additional mechanical methods of cutting for removal.”</p>
33 01 30.2	3.2	Water Supply	<p>Add clause 3.2.3 as follows: “Arrangements for hydrant use are to be made by the Contractor through Creighton O’Malley (Engineering Department phone: 604-830-6955, who may require supervision of the first hydrant set-up. The Contractor shall supply the appropriate backflow prevention devices and hose.”</p>