



City of White Rock

Tender Documents CONTRACT NO. WR19-022

2019 Sewer Repair Program: Open Cut

INVITATION TO TENDER

Tenders are invited for the 2019 Sewer Repair Program: Open Cut. The contract involves structural and O&M defect rehabilitation for storm and sanitary mainlines and laterals within a particular neighborhood in the City of White Rock.

Contract documents, with the exception of Appendix F2, are available for download on or after August 1, 2019 on the BC Bid website www.bcbid.gov.bc.ca.

Appendix F2 (Video and PDF Reports) is available, in whole or in part, on request to: Michael Hill, Project Manager, R.F. Binnie & Associates Ltd., MHill@binnie.com.

Sealed tenders, clearly marked on the outside with "Tenders for 2019 Sewer Repair Program: Open Cut, Contract WR19-022" will be received and opened at the City of White Rock Operations Department, 877 Keil Street, White Rock, BC V4B 4V6.

Tender Closing Time and Date:

2:00 pm Local Time, Thursday, August 22, 2019

Tenders must be accompanied by the specified 10% Bid Bond and Consent of Surety. The successful Tenderer will be required to provide a Performance Bond and Labour and Material Payment Bond, each in the amount of 50% of the Contract Price.

The lowest or any tender will not necessarily be accepted, and the City will not be responsible for any cost incurred by the Tenderer in preparing the tender. The City of White Rock reserves the right to reject any or all tenders, and to waive informalities in any or all tenders.

All Tender inquiries shall be directed to **Michael Hill, Project Manager**, R.F. Binnie & Associates Ltd., in writing to e-mail: MHill@binnie.com.

No inquiries will be accepted after Monday, August 19, 2019.

Non-Tender related public inquiries should be directed to **Dustin Abt**, Manager, Public Works, at the City of White Rock, phone: 604-541-2181 e-mail: dabt@whiterockcity.ca.

CONTENTS

The Tender Documents shall consist of the following, which shall be the base documents for the *Contract Documents* of this *Contract*:

Section A

Instructions to Tenderers:

Section A1: Instructions to Tenderers – Part I
Section A2: Supplementary Instructions to Tenderers – Part II

Section B

Tender Submission Documents (Blank):

Section B1: Tender Summary
Section B2: Form of Tender

Section C

Agreement (Blank)

Section D

Standard and Supplementary Documents:

Section D1: Standard Documents (MMCD) – Reference Only
Section D2: Supplementary General Conditions (Project)
Section D3: Supplementary Specifications (Project)

Section E

Sample Documents:

Sample E1 – Bid Bond
Sample E2 – Surety
Sample E3 – Agreement to Bonds (Performance and Labour & Material Payment)
Sample E4 – Form of Performance Bond
Sample E5 – Form of Labour and Material Payment
Sample E6 – Certificate of Insurance
Sample E7 – Form 2
Sample E8 – Form 3

Section F

Appendices:

Appendix F1 – Open Cut Rehab Summary List
Appendix F2 – Video and PDF Reports (Available on Request)

SECTION A – INSTRUCTIONS TO TENDERERS

This section includes the following:

- **Section A1 – Instructions To Tenderers – Part I**
- **Section A2 – Supplementary Instructions To Tenderers – Part II**

SECTION A1: INSTRUCTIONS TO TENDERERS – PART I

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

CITY OF WHITE ROCK (*the "Owner"*)

Contract: 2019 Sewer Repair Program: Open Cut

Reference: WR19-022

1. INTRODUCTION

- 1.1** These instructions apply to and govern the preparation of tenders for this *Contract*. The *Contract* is generally for the following work:

Defect rehabilitation of storm and sanitary mainlines and laterals by means of open cut excavation.

- 1.2** Direct all inquiries regarding the *Contract* in writing to:
Michael Hill, Project Manager – R.F. Binnie & Associates

Address: #101 – 19232 Enterprise Way
Surrey, BC V3S 6J9

Email: MHill@binnie.com

Fax: 604-574-7355

2. 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 Drawings".

- 2.2** A portion of the *Contract Documents* is 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, Supplementary General Conditions, Specifications, Supplementary Specifications, Standard Detail Drawings and Supplementary Standard Drawings. They are 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, refer to GC 2.3.1 for the correct edition of the MMCD applicable to this *Contract*. All sections of the MMCD are by reference included in the *Contract Documents*.

- 2.3** Master Municipal Construction Documents (Platinum Edition printed 2009), can be purchased from Support Services Unlimited, Suite 302, 1107 Homer Street, Vancouver, B.C. V6B 2Y1, telephone: 604-681-0295.
- 2.4** 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 are 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 as information to tenderers who must make their own judgment about its reliability, accuracy or completeness and neither the *Owner* nor any representative of the *Owner* gives any guarantee or representation that the additional information is reliable, accurate or complete.

3. SUBMISSION OF TENDERS

- 3.1** If hard copy tenders are submitted, they must be submitted in a sealed package, marked on the outside with the above *Contract* title and reference no., and must be received by the office of:

City of White Rock Engineering & Municipal Operations Department

on or before:

Tender Closing Time: 2:00 pm Local Time

Tender Closing Date: Thursday, August 22, 2019

at:

Address: 877 Keil Street
White Rock, BC V3B 4V6

Email tenders (PDF) will also be accepted. They should be sent to:
Marla Boos, Administrative Assistant (MBoos@whiterockcity.ca)

Files larger than 5MB may not be successfully received. Tenderer is responsible for ensuring that emails are received by the City.

- 3.2** Late tenders will not be accepted or considered, and will be returned unopened.

4. CONFLICT OF INTEREST AND BUSINESS LICENSE REQUIREMENTS

- 4.1** In submitting a tender, the tenderer represents and warrants that:

- a) prior to submitting the tender, the tenderer has disclosed to the *Owner* in writing any actual or potential conflict of interest;

- b) the tenderer has not and will not offer or provide any gifts or personal benefit to any elected or appointed representative or employee of the Owner;
- c) except as disclosed in writing by the tenderer, no elected or appointed representative or employee of the Owner:
 - i) has any interest in the tenderer by way of Ownership or management, or
 - ii) has or is entitled to have any interest in the Contract or any benefit arising therefrom; and
- d) the tenderer has not and will not solicit or lobby any individual elected or appointed representative or employee of the Owner in regard to the award of the Contract.

4.2 Business License Requirements:

As a condition precedent to award of *Contract*, the successful tenderer must have or obtain a business license from the *Owner*.

5. ADDITIONAL INSTRUCTIONS TO TENDERERS

5.1 Completing the Form of Tender:

The submitted Form of Tender must be legible, written in ink, or by typewriter and ALL ITEMS MUST BE BID, unless the Form of Tender specifically permits otherwise, with the price for every item and other extras clearly shown. Each page must be initialed by the Tenderer.

The Tenderer shall be deemed to have satisfied themselves as to the sufficiency of their tender for the work and of the unit and lump sum prices stated in the Form of Tender. These unit prices shall cover all their costs including overhead, profit and tax, except for the Goods and Services Tax as explained in the following paragraphs of this section, for carrying out the works and their obligations under this Contract.

The "Amount" column shall be totaled in groups of items as shown and each total for a group of items shall be carried to the Summary Sheet for insertion in the appropriate place. The totals for all groups of items shall be added to give the Total Tender Price, Goods and Services Tax of 5% shall be calculated separately then added to arrive at the Total Tender Price including GST.

The Tenderers attention is drawn to MMCD, Volume II, Instructions to Tenderers, Part II Section 5-17 for Tender Requirements, Qualifications, Modifications, Alternative Tenders, Approved Equals, Inspection of the Place of Work, Interpretation of Contract Documents, Prices, Taxes, and Amendment of

Tenders, Duration of Tenders, Qualification of Tenderers, Award, Subcontractors, and Optional Work, and as amended below.

5.2 Right to Accept or Reject Tenders:

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. The lowest tender will not necessarily be accepted.

The *Owner* will be the sole judge of such matters. Any tender considered to be unbalanced shall be rejected by the *Owner*.

Without limiting the generality of the foregoing, any tender may be disqualified or rejected which is incomplete, obscure or irregular, which had erasures or corrections in the Form of Tender, in which prices are omitted or obviously imbalanced, or which has an insufficient or irregular Surety.

SECTION A2: SUPPLEMENTARY INSTRUCTIONS TO TENDERERS – PART II

The following terms are additional to the terms and conditions contained in the MMCD – Instructions to Tenderers - Part II:

TENDER REQUIREMENTS 5

- 5.2 Delete Instructions to Tenderers - Part II, Paragraph 5.2 and substitute the following:

A tender must be accompanied by tender security ("*Bid Security*") in the form of a bid bond issued by a surety licensed to carry on the business of suretyship in British Columbia in a form satisfactory to the *Owner* in an amount equal to 10% of the *Tender Price*.

- 5.5 To Instructions to Tenderers - Part II, Paragraph 5 add the following:

- 5.5 Tenderers that do not have an operational base in Lower Mainland, British Columbia, shall submit in his/her tender a memorandum outlining the operational strategy of operating in Lower Mainland.

- 5.6 To Instructions to Tenderers - Part II, Paragraph 5 add the following:

- 5.6.1 The Tenderer shall submit as part of the Tender a Consent of Surety, issued by a surety licensed to carry on the business of suretyship in British Columbia, in a form satisfactory to the *Owner*.

The Consent of Surety is to guarantee that a performance bond and a labour and material payment bond each equal to Fifty percent (50%) of the *Tender Price* will be issued by the bonding company in accordance with paragraph 5.1.1(a) of FT – Page 2.

AWARD

15

To Instructions to Tenderers - Part II, Paragraph 15 add the following:

15.1.4 Without limiting the generality of the foregoing, any tender:

- that is incomplete, obscure, or irregular may be rejected,
- having erasures, corrections, in the Form of Tender Schedule 1 may be rejected,
- that has unit prices omitted or obviously imbalanced may be rejected,
- accompanied by an insufficient bond may be rejected.

15.1.5 The award of any contract shall be based on the evaluation of the Tenders by the *Owner* on any basis the *Owner* deems will best serve its interests, including but not limited to the following criteria based review of completed Appendices 1 to 6 to the Form of Tender:

- a) the overall cost impact of the Tender on the operations of the *Owner*;
- b) the reputation and experience of the Tenderer and the experience of the Tenderer's staff to be allocated to the work, the supply of goods and services or the supply of any equipment required by this Tender;
- c) the technical credibility and environmental responsibility of the Tenderer.

Amendment to 15.1 of the Instructions to Tenderers Part II (Award) of the MMCD replacing paragraph after 15.1.3 (to follow new 15.1.5 above):

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 IT5.3, and may also have regard to any information obtained by the *Owner* in evaluating such tender information, as well as the *Owner's* previous relevant experience, if any, with the tenderer. In exercising this 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 by the tenderer, or any officer or director of the tenderer directly (or indirectly through another corporation) against the *Owner* within the last five years of the Invitation to Tenders.

In no event shall the *Owner* be liable for the tenderer's costs of preparing a tender.

SECTION B – TENDER SUBMISSION DOCUMENTS

This section includes the following:

- **Section B1 – Tender Summary**
- **Section B2 – Form of Tender (including Appendices I through V)**

SECTION B1: TENDER SUMMARY

Contract: 2019 Sewer Repair Program: Open Cut

Reference: Contract WR19-022

NAME OF TENDERER

TENDER PRICE

ADDRESS OF TENDERER:

Phone: _____

Fax: _____

E-mail: _____

SECTION B2: FORM OF TENDER

City of White Rock (the "Owner")

Contract: 2019 Sewer Repair Program: Open Cut

Reference: Contract WR19-022

TO OWNER:

1. WE, THE UNDERSIGNED:

- 1.1 have received and carefully reviewed all of the *Contract Documents*, including the Instructions to Tenderers - Part I, Instructions to Tenderers Part II and Supplementary Instructions to Tenderers - Part II, the specified edition of the "Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings", Supplementary General Conditions, Supplementary Specifications, 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 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* within 130 (one hundred thirty) *Working Days* from the *Commencement Date*.

- 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 listed in 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*" in the sum of

_____ Dollars (\$_____)

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 includes 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;
 - 4.1.2 the *Bid Security* as required by paragraph 5.2 of the Instructions to Tenderers - Part II; and
 - 4.1.3 the Consent of Surety as required by Paragraph 5.6 of the Supplementary Instructions to Tenderers – Part II, filled and signed.

5. WE AGREE:

- 5.1 that this tender will be irrevocable and open for acceptance by the *Owner* for a period of 60 calendar days from the day following the *Tender Closing Date* and *Tender Closing 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 5 *Days* of receipt of the written *Notice of Award* deliver to the *Owner*:
 - a) a performance bond and a labour and material payment bond, each in the amount of 50% of the *Contract Price*, covering the performance of the *Work* including the *Contractor's* obligations during the *Maintenance Period*, issued by a surety licensed to carry on the business of suretyship in the Province of British Columbia, and in a form acceptable to the *Owner*;

- b) a *Construction Schedule*; as provided by GC 4.6.1
- c) a clearance letter indicating that the tenderer is in WCB compliance; and
- d) a copy of the insurance policies as specified in GC 24 indicating that all such insurance coverage is in place and;

5.1.2 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* (the "*Commencement Date*"); and

5.1.3 sign the *Contract Documents* per GC 2.1.2.

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:

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

6.1.2 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* may, on written notice to us, 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:

6.1.3 the face value of the *Bid Security*; and

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

7. Our Address is as follows:

Phone: _____ - _____

Fax: _____ - _____

E-mail: _____

Attention: _____

This Tender is executed this _____ day of _____, _____.

Contractor:

(Full Legal Name of Corporation, Partnership or Individual)

(Authorized Signatory)

(Authorized Signatory)

APPENDIX I – SCHEDULE OF QUANTITIES AND PRICES

(See paragraph 5.3.1 of the Instructions to Tenderer's – Part II)

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

SUMMARY SHEET:

Subtotal DIV 01: General Requirements \$ _____

Subtotal DIV 31: Earthwork \$ _____

Subtotal DIV 32: Roads and Site Improvements \$ _____

Subtotal DIV 33: Utilities \$ _____

GST (5%): \$ _____

Total Tender Price including GST: \$ _____
(Carry this forward to Form of Tender)

SCHEDULE OF QUANTITIES AND PRICES OPEN CUT

The Lump Sum and unit prices below includes all costs required to achieve a satisfactory repair and reinstate the existing surfaces. The Owner is not responsible for additional costs that could have reasonably been foreseen by reviewing the provided video reports, reviewing actual site conditions at each location, and examining the City's GIS database and record drawings at:

<http://cosmos.surrey.ca/external/WROMS>

ITEM NO.	MMCD SECTION	DESCRIPTION	UNIT	EST. QTYs	UNIT PRICE	AMOUNT
DIV 01: GENERAL REQUIREMENTS						
	01 55 00	Traffic Control, Vehicle Access and Parking				
1.01	1.5.1	Traffic Control, Vehicle Access and Parking - Marine Drive (15100 Block Marine Drive) - Sanitary	Lump Sum	100%	\$	\$
1.02	1.5.1	Traffic Control, Vehicle Access and Parking - Marine Drive (15100 Block Marine Drive) - Storm	Lump Sum	100%	\$	\$
SUBTOTAL DIV 01: GENERAL REQUIREMENTS						\$

ITEM NO.	MMCD SECTION	DESCRIPTION	UNIT	EST. QTYs	UNIT PRICE	AMOUNT
DIV 31: EARTHWORK						
	31 23 01	Excavating, Trenching and Backfilling				
31.01	1.10.3	Common Excavation - Overexcavation	Cubic Metre	10	\$	\$
SUBTOTAL DIV 31: EARTHWORK						\$

ITEM NO.	MMCD SECTION	DESCRIPTION	UNIT	EST. QTYs	UNIT PRICE	AMOUNT
DIV 32: ROADS AND SITE IMPROVEMENTS						
	32 12 16	Hot-Mix Asphalt Concrete Paving				
32.01	1.5.1	Asphalt Concrete Pavement - Upper Course #2 (40mm Thick)	Metric Tonne	33	\$	\$
32.02	1.5.1	Asphalt Concrete Pavement - Lower Course #2 (60mm Thick)	Metric Tonne	49	\$	\$
SUBTOTAL DIV 32: ROADS AND SITE IMPROVEMENTS						\$

SCHEDULE OF QUANTITIES AND PRICES OPEN CUT

The Lump Sum and unit prices below includes all costs required to achieve a satisfactory repair and reinstate the existing surfaces. The Owner is not responsible for additional costs that could have reasonably been foreseen by reviewing the provided video reports, reviewing actual site conditions at each location, and examining the City's GIS database and record drawings at:

<http://cosmos.surrey.ca/external/WROMS>

ITEM NO.	MMCD SECTION	DESCRIPTION	UNIT	EST. QTYs	UNIT PRICE	AMOUNT
DIV 33: UTILITIES						
	33 01 30.1	CCTV Inspection of Pipelines				
33.01	1.6.2	Post-construction CCTV Inspection of Sanitary Sewer - Marine Drive - Sanitary	Lump Sum	100%	\$	\$
33.02	1.6.2	Post-construction CCTV Inspection of Storm Sewer - Marine Drive - Storm	Lump Sum	100%	\$	\$
	33 30 01	Sanitary Sewers				
33.03	1.6.1	Sanitary Main (PVC, SDR 35, 300mm dia, 1.0-1.99m depth, Imported Backfill)	Lineal Metre	129	\$	\$
33.04	1.6.7	Sanitary Tie-in to existing Sanitary Sewer and Rebench where applicable	Each	2	\$	\$
33.05	SSP 13	Reinstate services (all sizes)	Each	9	\$	\$
	33 40 01	Storm Sewers				
33.06	1.6.1	Storm Pipe (PVC SDR35, 300mm dia., 1.0-1.99m, Imported Backfill)	Lineal Metre	85	\$	\$
33.07	1.6.9	Catchbasin Lead (PVC SDR35, 200mm dia, All Depth, Imported Backfill)	Each	8	\$	\$
33.08	1.6.9	Storm Tie-in to existing Storm System and Rebench where applicable	Each	1	\$	\$
33.09	SSP 13	Reinstate services (all sizes)	Each	5	\$	\$
	33 44 01	Manholes and Catchbasins				
33.10	1.5.1.1	Manhole (1050mm dia, All Depth, Imported Backfill)	Each	2	\$	\$
33.11	1.5.1.2	Manhole Riser Section (1050mm dia)	Vertical Metre	3	\$	\$
33.12	1.5.1.5	Manhole Inside Ramp (300mm Pipe) (MMCD S3)	Each	2	\$	\$
SUBTOTAL DIV 33: UTILITIES						\$

APPENDIX II – TENDERER'S EXPERIENCE IN SIMILAR WORK

<i>Year Completed</i>	<i>Description of Contract</i>	<i>For Whom Work Performed</i>	<i>Value of Work</i>
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APPENDIX III – PERSONNEL

The tenderer agrees that the minimum availability of personnel will be as listed here and that no changes, additions or deletions will be made to these personnel without written approval of the *Contract Administrator*.

TENDERER'S SENIOR STAFF:

<i>Name</i>	<i>Appointment</i>	<i>Qualifications and Experience</i>
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APPENDIX IV – SUB-CONTRACTORS

The tenderer agrees that the sub-contractors employed will be as listed here and that no changes, additions or deletions will be made to these sub-contractors without the written approval of the *Contract Administrator*.

LIST OF SUB-CONTRACTORS:

<i>Sub-Trade</i>	<i>Name of Sub-Contractor</i>	<i>Address of Sub-Contractor</i>
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[illegible]

SECTION C – AGREEMENT

THIS AGREEMENT made this ____ day of _____, 20 ____.

Contract: 2019 Sewer Repair Program: Open Cut

Reference No: WR19-022

BETWEEN:

CITY OF WHITE ROCK
15322 BUENA VISTA AVENUE
WHITE ROCK, BC V4B 1Y6

(the "Owner")

AND:

(name and office address of *Contractor*)

(the "*Contractor*")

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

1. THE WORK

- 1.1 The *Contractor* will perform all *Work* and provide all labour, equipment and material and do all things strictly as required by the *Contract Documents*.
- 1.2 The *Contractor* will commence the *Work* in accordance with the *Notice to Proceed*. The *Contractor* will proceed with the *Work* diligently, will perform the *Work* generally in accordance with the *Construction Schedule* as required by the *Contract Documents* and will achieve *Substantial Performance* of the *Work* on or before 130 working days, from the Commencement date, subject to the provisions of the *Contract Documents* for adjustments to the *Contract Time*.
- 1.3 The *Work* described in *Schedule of Quantities and Prices (Optional Work)*, if authorized to proceed by the *Owner*, shall extend the *Contract Time* an appropriate number of working days. The *Owner* may or may not choose to award this *Work* as it sees fit, though the *Contractor* will be given sufficient notice in either case. Whether this work is or is not awarded will not be considered grounds to negotiate unit prices under Section 9.4, MMCD General Conditions.
- 1.4 Time shall be of the essence of the *Contract*.

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*.

3. CONTRACT PRICE

- 3.1 The price for the *Work* ("*Contract Price*") shall be the sum in Canadian dollars of the following:
- a) 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
 - b) all lump sums, if any, as listed in the *Schedule of Quantities and Prices*, for items relating to or incorporated into the *Work*; plus
 - d) any adjustments, including any payments owing on account of *Change Orders* 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 due 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*.

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 2% 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.

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*.

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 email, or by pre-paid registered mail to the addresses as set out below:

The Owner:

City of White Rock
Operations Department
877 Keil Street
White Rock, BC V4B 4V6
Canada

Email: dabt@whiterockcity.ca
Attention: Mr. Dustin Abt

The Contractor:

Email: _____

Attention: _____

The Contract Administrator:

R.F. Binnie & Associates Ltd.
#101-19232 Enterprise Way
Surrey, BC V3S 6J9

Email: mhill@binnie.com
Attention: Michael Hill, Project Manager

- 6.2 A communication or notice that is addressed as above shall be considered to have been received:
- a) immediately upon delivery, if delivered by hand; or
 - b) immediately upon transmission if sent and received by fax; or
 - c) after 5 Days from date of posting if sent by registered mail.
- 6.3 The *Owner* or the *Contractor* may, at any time, 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 will be received properly, and the provisions of Paragraph 12.5 of the Instructions to Tenderers - Part II apply to the sender.

7. GENERAL

- 7.1 This *Contract* shall be construed according to the laws of British Columbia.
- 7.2 The *Contractor* shall not, without the express written consent of the *Owner* which can be unreasonably withheld, 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 of intent of this Contract or any of the provision 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 ensure to the benefit of and be binding upon the parties and their successors, executors, administrators and assigns.

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

SIGNED, SEALED AND DELIVERED by the Contractor:

(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

SIGNED, SEALED AND DELIVERED by the City of White Rock:

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

SCHEDULE 1 – SCHEDULE OF CONTRACT DOCUMENTS

The following is an exact and complete list of *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_Volume II”, (“MMCD”) Platinum edition, dated 2009; and all supplementary general conditions as approved by the MMCD Board. All sections of these publications are included in the *Contract Documents*.

1. Agreement, including all Schedules
2. Addenda, if any
3. Supplementary General Conditions
4. General Conditions *
5. Supplementary Specifications
6. Specifications *
7. Standard Detail Drawings *
8. Executed Form of Tender
9. Supplementary Instructions to Tenderers
10. Instructions to Tenderers – Part I
11. Instructions to Tenderers – Part II *

SCHEDULE 2 – LIST OF CONTRACT DRAWINGS

(Complete listing of all drawings, plans and sketches that are part of the *Contract Documents*)

Title	Drawing No.	Date (YYYY-MM-DD)	Revision Date (YYYY-MM-DD)	Revision No.
Cover Sheet				
General Notes	18-1158-N1	2019-02-21	2019-07-23	A
2019 Sewer Repair Program 15100 Block Marine Drive Sanitary Sewer	18-1158-S1	2019-05-15	2019-07-23	A
2019 Sewer Repair Program 15100 Block Marine Drive Storm Sewer	18-1158-ST1	2019-05-16	2019-07-23	A

SECTION D – STANDARD AND SUPPLEMENTARY DOCUMENTS

This section includes the following:

- **Section D1 – Standard Documents (MMCD) – Reference Only**
- **Section D2 – Supplementary General Conditions (Project)**
- **Section D3 – Supplementary Specifications (Project)**

SECTION D1: STANDARD DOCUMENTS (MMCD)

Master Municipal Construction Documents Volume II - Platinum Edition Printed 2009 (MMCD) are the Standard Documents for the *Contract*. General Conditions, Standard Specifications and Standard Detail Drawings from the MMCD are incorporated by reference only and are not attached in the Tender Package.

The Master Municipal Construction Documents are available for purchase from:

*Support Services Unlimited
102 - 211 Columbia Street,
Vancouver, B.C. V6A 2R5
Tel: 604-681-0295 Fax: 604-681-4545
<http://www.MMCD.net>*

In the event of a direct conflict between MMCD, the Supplementary General Conditions (Project) and Supplementary Specification (Project), provided, respectively, in Section D1 and Section D2 of the Tender package, take precedence.

Should there be any issue with respect to the meaning or application of any MMCD defined term, a "Related Work" specification, or an MMCD General Conditions reference, the issue will be determined by the Engineer in its sole discretion.

SECTION D2: SUPPLEMENTARY GENERAL CONDITIONS (PROJECT)

The following conditions which are specific to this project form part of the Contract and are supplementary to both the General Conditions within the MMCD Master Municipal Construction Document and the Supplementary General Conditions within the Supplementary Master Municipal Construction Documents. In the event of a direct conflict, these Supplementary General Conditions take precedence. Notwithstanding this order of precedence, in the event of a conflict between any of the Contract Documents, the more stringent provisions shall apply with the intent that those which produce the highest quality with the highest level of safety, operational reliability, durability and performance, shall govern.

1. ENVIRONMENTAL MONITORING

The City of White Rock will be responsible for the appointment of a qualified environmental monitor for the contract, if this is deemed necessary.

2. LIQUIDATED DAMAGES

Change Liquidated Damage for late completion amount to \$1,000.00 per Day from \$500.00 as stated under GC 13.9.1 (1)

3. NOTICE TO BUSINESSES AND HOMEOWNERS

Contractor to deliver letter to all properties, which may be affected by construction not less than one week and not more than two weeks prior to construction.

Contractor to notify businesses directly affected by the work 48 hours in advance of commencement of construction.

Cost to notify businesses of ensuing construction and delivery of letters is incidental to the Contract.

4. HOURS OF WORK

The hours of work, on a 24-hour clock notation, must not extend beyond 07:30 and 16:30, inclusive, daily, weekdays Monday to Friday. The Contractor shall schedule their work within these hours and will not be permitted to commence work earlier than 07:30 and/or work later than 16:30, except as authorized by the Contract Administrator. A normal work day is 8 hours long, excluding lunch. Inspection of work beyond 8 hours will be paid for by the contractor.

No Saturday or Sunday work will be permitted except in case of emergency and then only with written permission of the Contract Administrator and to such extent as they deem necessary.

SECTION D3: SUPPLEMENTARY SPECIFICATIONS (PROJECT)

The following specifications, which are specific to this project, form part of the *Contract* and are supplementary to both the Specifications within the MMCD Master Municipal Construction Document and the Supplementary Specifications within the Supplementary Master Municipal Construction Documents. In the event of a direct conflict, the Supplementary Specifications (Project) take precedence. Notwithstanding this order of precedence, in the event of a conflict between any of the *Contract Documents*, the more stringent provisions shall apply with the intent that those which produce the highest quality with the highest level of safety, operational reliability, durability and performance, shall govern.

INDEX TABLE OF SUPPLEMENTARY SPECIFICATION (PROJECT)

SSP #	Title
SSP 01.	Scope of Work
SSP 02.	Limits of Site
SSP 03.	Contract Time
SSP 04.	Definitions
SSP 05.	Business/Resident Access
SSP 06.	Resident Information
SSP 07.	Record Drawings
SSP 08.	Utilities
SSP 09.	Safety Procedures
SSP 10.	Protection of the Environment
SSP 11.	Interfering Services
SSP 12.	Road Closure / Traffic Requirements
SSP 13.	Reinstate Services
SSP 14.	Notification/Schedule of Work
SSP 15.	Dump Sites
SSP 16.	Sewer Flow Control
SSP 17.	Incidental Items

SSP 01. SCOPE OF WORK

This Contract involves the repair of storm and sanitary defects within the City of White Rock.

SSP 02. LIMITS OF SITE

The *Site* is limited to the City of White Rock's Right-Of-Way.

SSP 03. CONTRACT TIME

The *Work* under this *Contract* shall be completed not later than 130 (one hundred thirty) *Working Days* from the *Commencement Date*.

SSP 04. DEFINITIONS

In these Supplementary Specifications (Project), unless the context otherwise requires,

"Section" means section of the Specifications or the Conditions of Contract.

"Item" means item of the Schedule of Quantities and Prices.

SERVICES PURSUANT TO GENERAL CONDITIONS:

The *Contractor* is required, as part of his obligation under the *Contract*, to perform the various services and activities described in the General Conditions and the Supplementary Specifications (Projects) SSP 5 to SSP 21 hereunder.

Payment for such services, activities and work shall be deemed to be included in the unit prices tendered in the Schedule of Quantities and Prices.

SSP 05. BUSINESS/RESIDENT ACCESS

The contractor must ensure that all existing access to and from existing resident's homes is maintained during the contract.

SSP 06. RESIDENT INFORMATION

The *Contractor* will provide a copy to the City of their standard information letter advising affected residents of the proposed works. The City will issue the letter on City letterhead. Contractor will be responsible for making copies and delivering these letters no later than 5 days before the start of construction.

SSP 07. RECORD DRAWINGS

Add to MMCD 01 33 01, 1.8:

- .2 The *Contractor* shall be responsible for recording all field survey information pertaining to the as-constructed drawings, including locations and elevations of all items constructed. The *Contractor* shall provide any additional information as requested to enable the *Contract Administrator* to prepare and submit as-constructed drawings to the *Owner* for their records. This work shall also be considered incidental to payment for other work described in this Contract.

SSP 08. UTILITIES

In addition to the requirements of the General Conditions, the *Contractor* shall cooperate fully with all utility companies and public agencies, the respective last known addresses and telephones being:

A) Electricity: BC Hydro and Power Authority
8475 - 128 Street
Surrey, BC V3W 0G1
Telephone: (604) 543-6000

B) Gas: Fortis Gas
16705 Fraser Highway
Surrey, BC V3S 2X7
Telephone: (604) 576-7030

C) Telephone: Telus
8th Floor - 3777 Kingsway
Burnaby, BC V5H 3X7
Telephone: (604) 436-4842

D) Storm and Sanitary Sewers: City of White Rock
Works Yard
877 Keil Street
White Rock, BC V4B 4V6
Telephone: (604) 541-2181

E) Water main: City of White Rock
Works Yard
877 Keil Street
White Rock, BC V4B 4V6
Telephone: (604) 541-2181

F) Cable TV:

Shaw Cable Systems
4250 Kingsway,
Burnaby, BC V5E 4J2
Telephone: 604-629-4000

SSP 09. SAFETY PROCEDURES

Contractor shall follow WorkSafeBC-compliant procedures for all confined space entry work on this project.

SSP 10. PROTECTION OF THE ENVIRONMENT

The *Contractor* shall comply with all federal and provincial regulations so that construction work does not adversely affect the environment of fish producing or fish nutrient streams, rivers, lakes and other bodies of water within or in the vicinity of, or downstream from the place of work, not only during active construction of the site, but also during periods where the *Contractor* has suspended construction activity for any reason.

Notwithstanding the above noted requirements, this shall include but not be limited to the following:

- (a) No machinery and equipment shall be operated within the wetted perimeter of any stream, lake or other body of water unless under authority of fisheries' personnel.
- (b) The work under this contract shall be undertaken in a manner which will prevent entry of any soil, silt, waterborne sediment, organic debris, slash, bark, wood chips, sawdust, ashes, gas, oil, grease, other petroleum products and deleterious substances into any stream, lake or other body of water, whether directly, by surface run-off or other means.

SSP 11. INTERFERING SERVICES

- 1 The *Contractor* shall, at his own expense, provide for the uninterrupted flow of all watercourses, sewers, drains, and any other utility encountered during the work.
- 2 When other utility structures are encountered, the *Contractor* shall support them to the satisfaction of the *Contract Administrator* so as to protect them from damage. The *Contractor* shall, at his own expense, at once repair and make good any damage which may occur to any watermains, service or utility pipes, or facilities, or to any electrical conductor or telephone facility or to any sidewalk, crosswalk as a result of this operation. *The contractor shall also, at his own expense, temporarily relocate any services which may conflict with the installation of the work.*

- 3 It is the *Contractor's* responsibility wherever necessary to determine location of existing pipes, valves, or other underground structures. Wherever it is necessary to explore and excavate to determine the location of the existing underground structures, the *Contractor* at his own expense shall make explorations and excavations for such purposes.
- 4 Where gas mains and/or service lines exist in the vicinity of the proposed work, the *Contractor* shall consult the officers of the gas company prior to commencing operations and arrange for mutually agreeable procedure for their protection.
- 5 Any additional Telus or Hydro work added to the contract shall be estimated by the *Contractor* as a lump sum unit of work with a breakdown of the associated costs (labour, material, etc.). The *Contract Administrator* will review the Lump Sum price and has the option of either proceeding with the work at the Lump Sum price or using Force Account (machine, materials and labour) plus 10% markup. Machine prices will be taken from the current edition of the MoT Blue Book.

SSP 12. ROAD CLOSURE / TRAFFIC REQUIREMENTS

Payment for all work relating to notifications, communications, signage, and traffic management shall be included in each item as per the schedule of quantities.

SSP 13. REINSTATE SERVICES (ALL SIZES)

Payment for all work relating to the reinstatement of services shall be included in each item as per the schedule of quantities. This item includes all work required to reconnect lateral services to the proposed sewer mains at the various depths described in each Item. It includes all traffic control, bypass pumping, removals, disposal, pipe, fittings, cap and abandonment of existing service, imported backfill, and surface reinstatement.

SSP 14. NOTIFICATION/SCHEDULE OF WORK

The Contractor shall provide a weekly e-mail status report to the Owner and the Contract Administrator containing:

- The anticipated schedule of activities and locations for the upcoming workweek
- A brief summary of the work completed in the previous week
- Any problems encountered the previous week
- Any other issues related to the work progress

E-mail contact information will be provided at the pre-construction meeting.

Failure of the Contractor to provide notification will result in no further work.

The hours of work will be from 7:00 a.m. to 5:00 p.m. or as approved by the City.

The Owner and the Contract Administrator shall be informed one week in advance of any stoppage or restart of work.

Operation for each of the items may be separate and may involve several mobilizations, setting ups and demobilization. Payment for these services and works is deemed to be included in the Unit Rates in the Form of Tender.

SSP 15. DUMP SITES

All waste that is removed from the sanitary sewer under this contract shall be disposed of by the Contractor at their cost at an approved off-site disposal area.

SSP 16. SEWER FLOW CONTROL

When the depth of flow in the sewer section exceeds the allowable 1/3 of the pipe diameter, one or more of the following methods shall be used:

- a) Work to be scheduled during off-peak times subject to the approval of the City (Noise By-law shall be complied with during this contract work. Specifically, 7:00 p.m. – 9:00 a.m., Monday to Saturday). When working during off-peak times, the Contractor will be responsible for notifying neighbouring residents of the intended work schedule a minimum of 48 hours before commencing the work.
- b) Plugging or Blocking:

A sewer line plug may be inserted into the sewer section at a manhole upstream from the section to be inspected. The plug shall be designed such that either all or a portion of the impeded sewage flow can be released. During the inspection, testing and rehabilitation work, flow shall be either shut-off or substantially reduced in order to inspect the pipe at the invert.
- c) All or a portion of the flow shall be diverted from the sewer section by diverting flow from the upstream to the downstream of the sewer section concerned, including all the flow of the service connections to the sewer section concerned if necessary or if diverted.

All temporary work shall be removed upon completion of the work or at the end of each shift as directed by the City.

The Contractor shall take the necessary precaution to prevent any damage to the public and private property.

No separate payment will be made for this work, which shall be deemed to be included in the unit prices bid in the Form of Tender.

SSP 17. INCIDENTAL ITEMS

Payment for all of work performed under the following MMCD Sections shall be incidental to payment for work described in other MMCD Sections:

MMCD Section	Item Description
01 33 01	Project Record Documents
01 51 01	Temporary Utilities and Lighting
01 52 01	Temporary Structures
01 53 01	Temporary Facilities
01 57 01	Environmental Protection

END OF SUPPLEMENTARY SPECIFICATIONS (PROJECT)

SECTION E – SAMPLE DOCUMENTS

This section includes the following:

- **Sample E1: Bid Bond**
- **Sample E2: Surety**
- **Sample E3: Agreement to Bond Performance And Labour And Material Payment**
- **Sample E4: Form of Performance Bond**
- **Sample E5: Certificate of Insurance**
- **Sample E6: Form of Labour and Material Payment Bond**
- **Sample E7: Form 2**
- **Sample E8: Form 3**

SAMPLE E1 – BID BOND

No. _____ \$ _____

KNOW ALL MEN BY THESE PRESENTS THAT _____
_____ as Principal hereinafter called the Principal, and
_____ a corporation created and existing under the laws of
_____ and duly authorized to transact the business of Suretyship in
_____ as Surety, hereinafter called the Surety, are held and firmly
bound unto _____ as Obligee hereinafter called the Obligee, in
the amount of _____ Dollars (\$ _____)
lawful money of Canada, for the payment of which sum, well and truly to be made, the Principal and the Surety
bind themselves, their heirs, executors, administrators, successors, and assigned, jointly and severally, firmly by
these presents.

WHEREAS, the Principal has submitted a written tender to the Obligee, dated the _____ day of
_____, 20____ for _____

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if the aforesaid Principal shall have the
tender accepted within sixty (60) days from the closing date of tender, and the said Principal will, within the time
required, enter into a formal contract and give the specified security to secure the performance of the terms and
conditions of Contract, then his obligation shall be null and void; otherwise the Principal and the Surety will pay
unto the Obligee the difference in money between the amount of the bid of the said Principal and the amount
for which the Obligee legally contracts with another party to perform the work if the latter amount is in excess of
the former.

The Principal and the Surety shall not be liable for a greater sum than the specified penalty of this Bond.

Any suit under this Bond must be instituted before the expiration of six months from the date of Bond.

IN WITNESS WHEREOF, the Principal and the Surety have Signed and Sealed this Bond this _____ day of
_____, 20____.

SIGNED AND SEALED

(

in the presence of

(

(_____ (Seal)

Principal

(

(

(_____ (Seal)

SAMPLE E2 – SURETY

(TO BE ON BANK LETTERHEAD)

_____ day of _____, A.D., 20_____

The City of White Rock
15322 Buena Vista Avenue
White Rock, BC V4B 1Y6

Dear Sirs:

IRREVOCABLE COMMERCIAL LETTER OF CREDIT NO.

We hereby authorize you to draw on (NAME OF BANK), (ADDRESS OF BANK), Province of British Columbia, for account of (NAME OF TENDERER), up to an aggregate amount of \$_____ available by drafts at sight for 100% of value:

1. Drawings are to be made in writing to (NAME OF BANK)
.....
2. Partial drawings may be made.
3. The Bank will not inquire as to whether or not The City has a right to make demand on this Letter of Credit.
4. This Letter of Credit is irrevocable up to the expiry date.

DRAFTS MUST BE DRAWN AND NEGOTIATED NOT LATER THAN

day of , A.D., 20

The drafts drawn under this Credit are to be endorsed hereon and shall state on their face that they are drawn under (NAME OF BANK), (ADDRESS OF BANK), Vancouver, B.C., Letter of Credit No.

Yours truly,

Manager
On Behalf of
(NAME OF BANK)

**SAMPLE E3 – AGREEMENT TO BONDS (PERFORMANCE AND LABOUR &
MATERIAL PAYMENT)**

For the CITY OF WHITE ROCK

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

in a Performance Bond totaling fifty percent (50%) of the Contract Price, and in a Labour and Materials Payment Bond totaling fifty percent (50%) of the Contract price, and conforming to the Instruments of Contract attached hereto, for the full and due performance of the works shown as described herein, if the Tender for

is accepted by the City of White Rock.

It is a condition of this Agreement that if the above mentioned Tender is accepted, application for the above mentioned Bonds must be completed with the undersigned within eight (8) Days of acceptance of the tender related thereto, otherwise this Agreement shall be null and void.

DATED this _____ day of _____, 20 .

Name of Bonding Company

BY:

Signature of Authorized Person Signing for
Company

(Company Seal)

Position

SAMPLE E4 – FORM OF PERFORMANCE BOND

BOND NO. _____

KNOW THEREFORE ALL MEN BY THESE PRESENTS THAT _____
(hereinafter called the "Principal") and

_____ a corporation created
and existing under the laws of _____ and whose principal office for Canada is
located in the _____ (hereinafter called the "Surety") are held
and firmly bound unto the City of White Rock (hereinafter called the "Obligee") in the amount
of \$_____, lawful money of Canada, for the payment of which sum, well and truly
to be made, the Principal and the Surety bind themselves and their respective heirs, legal
representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has entered into a contract with the Obligee dated the _____ day of
_____, 20____, for Contract No. _____ which by reference hereto is
made a part hereof as fully to all intents and purposes as though recited in full herein and
which contract as amended, supplemented, modified or restated from time to time is
hereinafter called the "Contract".

NOW THEREFORE, the condition of the foregoing obligation is such that, if the Principal shall
well and truly observe and perform all the obligations of the Contract on the part of the
Principal to be observed and performed, then this obligation shall be void but otherwise shall
remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Obligee.

Whenever the Principal shall be, and declared by the Obligee to be in default under the
Contract, the Surety shall:

- (a) if the work is not taken out of the Principal's hands, remedy the default of the
Principal;
- (b) if the work is taken out of the Principal's hands and the Obligee directs the
Surety to undertake the completion of the work, complete the work in accordance
with the Contract provided that if a contract is entered into for the completion of the
work:
 - (i) such contract shall be between the Surety and the completing
contractor; and
 - (ii) the selection of the completing contractor shall be subject to the
approval of the Obligee;
- (c) if the work is taken out of the Principal's hands and the Obligee does not direct
the Surety to undertake completion of the work, assume financial responsibility for the
costs of completion and be liable for and pay the costs of completion of the Contract.

City of White Rock
CONTRACT WR19-022

No action shall be instituted by the Obligee herein against the Surety pursuant to these presents after the expiration of three (3) years from the date upon which final payment under the Contract is made.

The Surety shall be liable as principal and nothing of any kind or matter whatsoever shall operate as a discharge or release of the liability of the Surety notwithstanding any law or usage relating to the liability of sureties to the contrary, until all obligations of the Contract have been observed and performed.

In witness whereof, the Principal and Surety have hereunto affixed their corporate seals and caused their presents to be signed by their duly authorized officers.

DATED THIS _____ day of _____, 20____.

Name - Surety

c/s

Signature and Signing Authority

Name - Principal

c/s

Signature and Signing Authority

SAMPLE E5 – FORM OF LABOUR AND MATERIAL PAYMENT BOND

BOND NO. _____

KNOW THEREFORE ALL MEN BY THESE PRESENTS THAT _____
(hereinafter called the "Principal") and

_____ a corporation created and existing
under the laws of _____ and whose principal office for Canada is located in
the _____ (hereinafter called the "Surety") are held and
firmly bound unto the City of White Rock (hereinafter called the "Obligee") in the amount of
\$ _____, lawful money of Canada, for the payment of which sum, well and
truly to be made, the Principal and the Surety bind themselves and their respective heirs,
legal representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS the Principal has entered into a contract with the Obligee dated the _____ day of
_____, 20____, for Contract No. _____ which by reference hereto is
made a part hereof as fully to all intents and purposes as though recited in full herein and
which contract as amended, supplemented, modified or restated from time to time is
hereinafter called the "Contract".

NOW THEREFORE, the condition of the foregoing obligation is such that, if the Principal shall
make payment to all Claimants for all labour and material used or reasonably required for use
in the performance of the Contract, then this obligation shall be void but otherwise shall
remain in full force and effect.

A Claimant for the purpose of this Bond is defined as one having a direct contract with the
Principal for labour, material, or both, used or reasonably required for use in the performance
of the Contract, labour and material being construed to include that part of water, gas, power,
light, heat, oil, gasoline, telephone service or rental equipment directly applicable to the
Contract provided that a person, firm or corporation who rents equipment to the Principal to
be used in the performance of the Contract under a contract which provides that all or any
part of the rent is to be applied towards the purchase price thereof, shall only be a Claimant
to the extent of the prevailing industrial rental value of such equipment for the period during
which the equipment was used in the performance of the Contract. The prevailing industrial
rental value of equipment shall be determined, insofar as it is practical to do so, in accordance
with and in the manner provided for in the latest revised edition of the "Equipment Rental
Rate Guide" of the Ministry of Transportation and Highways, B.C., published prior to the
period during which the equipment was used in the performance of the Contract.

The Principal and the Surety, hereby jointly and severally agree with the Obligee, as Trustee,
that every Claimant who has not been paid as provided for under the terms of its contract
with the Principal, before the expiration of a period of 90 days after the date on which the last
of such Claimant's work or labour was done or performed or materials were furnished by such
Claimant, may as a beneficiary of the trust herein provided for, sue on this Bond, prosecute
the suit to final judgment for such sum or sums as may be justly due to such Claimant under
the terms of its contract with the Principal and have execution thereon. Provided that the
Obligee is not obliged to do or take any act, action or proceeding against the Surety on behalf

City of White Rock
CONTRACT WR19-022

of the Claimants, or any of them, to enforce the provisions of this Bond. If any act, action or proceeding is taken either in the name of the Obligees or by joining the Obligees as a party to such proceeding, then such act, action or proceeding, shall be taken on the understanding and basis that the Claimants or any of them, who take such act, action or proceeding shall indemnify and save harmless the Obligees against all costs, charges and expenses or liabilities incurred thereon and any loss or damage resulting to the Obligees by reason thereof.

No suit or action shall be commenced hereunder by any Claimant:

- (a) unless such Claimant shall have given written notice within the time limits hereinafter set forth to each of the Principal, the Surety and the Obligees, stating with substantial accuracy the amount claimed. Such notice shall be served by mailing the same by registered mail to the Principal, the Surety and the Obligees, at any place where an office is regularly maintained for the transaction of business by such persons or served in any manner in which legal process may be served in the Province or other part of Canada in which the subject matter of the Contract is located. Such notice shall be given:
 - (i) in respect of any claim for the amount or any portion thereof, required to be held back, from the Claimant by the Principal, under either the terms of the Claimant's contract with the Principal, or under construction lien legislation applicable to the Claimant's contract with the Principal, whichever is the greater, within 120 days after such Claimant should have been paid in full under the Claimant's contract with the Principal;
 - (ii) in respect of any claim other than for the holdback, or portion thereof, referred to above, within 120 days after the date upon which such Claimant did, or performed, the last of the work or labour or furnished the last of the materials for which such claim is made under the Claimant's contract with the Principal;
- (b) after the expiration of one (1) year following the date on which the Principal ceased work on the Contract, including work performed under the guarantees provided in the Contract;
- (c) other than in a Court of competent jurisdiction in the Province of British Columbia, or District of Canada in which the subject matter of the Contract, or any part thereof, is situated and not elsewhere, and the parties hereto agree to submit to the jurisdiction of such Court.

Any material change in the contract between the Principal and the Obligees shall not prejudice the rights or interest of any Claimant under this Bond, who is not instrumental in bringing about or has not caused such change.

The amount of this Bond shall be reduced by, and to the extent of any payment or payments made in good faith, and in accordance with the provisions hereof, inclusive of the payment by the Surety of construction liens which may be filed on record against the subject matter of

City of White Rock
CONTRACT WR19-022

the Contract, whether or not claim for the amount of such lien be presented under and against this Bond.

The Surety shall be liable as principal and nothing of any kind or matter whatsoever shall operate as a discharge or release of the liability of the Surety notwithstanding any law or usage relating to the liability of sureties to the contrary.

In witness whereof, the Principal and Surety have hereunto affixed their corporate seals and caused their presents to be signed by their duly authorized officers.

DATED THIS _____ day of _____, 20____.

Name - Surety

c/s

Signature and Signing Authority

Name - Principal

c/s

Signature and Signing Authority

SAMPLE E6 – CERTIFICATE OF INSURANCE

Road and Pipe work Projects 2009 Platinum Book MMCD Contract

This certifies that policies of insurance as described below have been issued to the Insured named below and are in full force and effect at this time. It is understood and agreed that thirty (30) days' written notice of any material alteration, transfer, assignment or cancellation of any of the policies listed below, with the exception of ICBC, will be given to the holder of this certificate.

**Note: proof of insurance will be accepted on this form only, or by certified copies of insurance policies.
insurance companies must be licensed to operate in Canada.**

This Certificate is issued to: The City of White Rock, 15322 Buena Vista Avenue, White Rock, B.C. V4B 1Y6

Insured	Name:		
	Address:		
Broker	Name:	Agent's Name:	
	Address:	Phone:	

Location and nature of contract, permit, lease, license or operation to which this Certificate applies:

Type of Insurance	Company and Policy Number	Policy Term yyyy/mm/dd	Limits of Liability/Amount
Section 1 Comprehensive General Liability		From: To:	Bodily Injury, Death & Property Damage \$_____ Per Occurrence \$_____ Aggregate \$_____ Deductible
Section 2 Automobile Liability (owned or leased vehicles)	If insured by ICBC, attach a copy of the ICBC form APV-47.	From: To:	Bodily Injury & Property Damage \$_____ Limit
Section 3 <input type="checkbox"/> Umbrella Liability <input type="checkbox"/> Excess Liability		From: To:	\$_____ Excess Gen. Liability \$_____ Excess Auto Liability
Section 4 Single Project Errors & Omissions Professional Liability		From: To:	\$_____ Each Claim \$_____ Aggregate \$_____ Deductible
Section 5 Property Insurance (all risk form)		From: To:	\$_____ Limit \$_____ Deductible
Section 6 Contractor's Equipment Insurance		From: To:	\$_____ Limit
Section 7 Boiler & Machinery Insurance		From: To:	\$_____ Limit \$_____ Deductible

Particulars of General Liability Insurance (Sections 1 & 3): ✓ indicates that the coverage is included.

✓ City of White Rock as Additional Insured	✓ Attached Machinery	<input type="checkbox"/> Removal or weakening of support of property, building or land whether the support is natural or otherwise
✓ Project Consultants as Additional Insureds	✓ Broad Form Property Damage	<input type="checkbox"/> Work below ground level over 3 meters (XCU extension)
✓ Premises & Operations	✓ Non-Owned Automobile	<input type="checkbox"/> Use of explosives for blasting
✓ Broad Form Products & Completed Operations	✓ Contingent Employer's	<input type="checkbox"/> Vibration from pile driving or caisson work
✓ Owners & Contractors Protective	✓ Broad Form Loss of Use	<input type="checkbox"/> Blanket Broad Form Tenants Legal Liability
✓ Blanket Contractual	✓ Personal Injury	
✓ Cross Liability/Severability of Interests	✓ 24 months Completed Operations	
✓ Employees as Additional Insureds		

Particulars of Professional Liability Insurance (Section 4): ✓ indicates that the coverage is included.

<input type="checkbox"/> 36 Months Maintenance Period	<input type="checkbox"/> 24 Months Maintenance Period	<input type="checkbox"/> Insures all professionals on the project or contract
---	---	---

City of White Rock
CONTRACT WR19-022

Particulars of Property Insurance (Section 5): ✓ indicates that the coverage is included.

<input type="checkbox"/> Builder's Risk Broad Form (All Risks)	<input type="checkbox"/> Resultant Damage from Faulty Workmanship	<input type="checkbox"/> Materials On & Off Site & In Transit
<input type="checkbox"/> Flood & Earthquake	<input type="checkbox"/> Resultant Damage from Faulty Materials	<input type="checkbox"/> Installation Floater (All Risks)
<input type="checkbox"/> City as First Loss Payee to extent of its insurable interest	<input type="checkbox"/> Breach of Conditions Clause	<input type="checkbox"/> Full Replacement Value, including Bylaws

These policies comply with the insurance requirements of the governing contract with the City of White Rock.

(Authorized to Sign on Behalf of Insured)

Date Signed

(Authorized to Sign on Behalf of Insurers)

Date Signed

SAMPLE E7 – FORM 2

Builders Lien Act

(Section 7 (4))

Notice of Certification of Completion

NOTICE: Re _____

[Name or popular description of project]

Take notice that on _____ [date] a certificate of completion, or court order to that effect, was issued with respect to a contract (or subcontract) between

_____ [Owner, contractor or subcontractor]

and

_____ [contractor or subcontractor]

in connection with an improvement on land described as follows:

for the provision of [brief, general description of work done under contract or subcontract]:

all persons entitled to claim a lien under the Builders Lien Act and who performed work or supplied material in connection with or under the contract are warned that the time to file a claim of lien may be abridged and section 20 of the Act should be consulted.

SAMPLE E8 – FORM 3

Builders Lien Act

(Section 7 (10))

Certificate of Completion

I _____ [name of payment certifier], of _____ [address],
British Columbia certify that, for the purposes of the Builders Lien Act, the following contract
or subcontract was completed on _____ [month, day, year].

Street address or other description of the land affected by the improvement:

Brief description of the improvement:

Brief description of the contract or subcontract, including the date of the contract and the
names of the parties to it:

Signed: _____ [signature of payment certifier] _____ [month, day, year].

SECTION F – APPENDICES

This section includes the following:

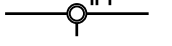
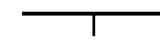
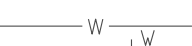
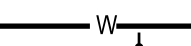
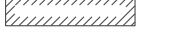












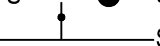
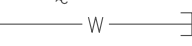
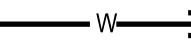

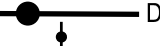


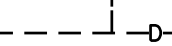
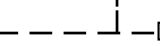

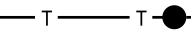
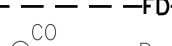
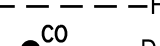

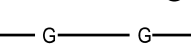



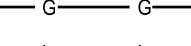


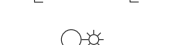

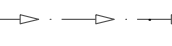
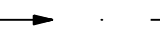




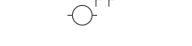


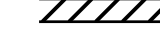




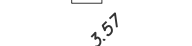
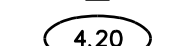



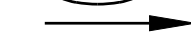




















- **Appendix F1 – Contract Drawings**
- **Appendix F2 – Video and PDF Reports (Available on Request)**

Appendix F1 – Contract Drawings

Contract Drawings are attached in the following.

CITY OF WHITE ROCK
15322 BUENA VISTA AVE, WHITE ROCK, V4B 1Y6

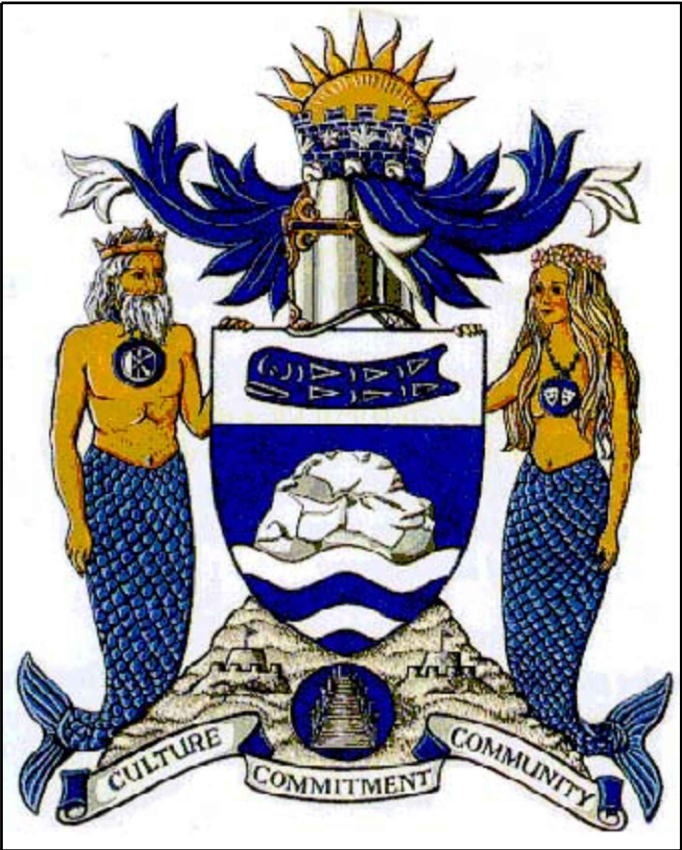
2019 SEWER REPAIR PROGRAM
(OPEN CUT)

LEGEND					
EXISTING	PROPOSED	DESCRIPTION	EXISTING	PROPOSED	DESCRIPTION
		IRON PROPERTY PIN			WATERMAIN
		BUILDING			WATER SERVICE CONNECTION
		EDGE OF PAVEMENT			WATER VALVE
		CURB & GUTTER			AIR VALVE
		TRUCK ROUTE			HYDRANT & VALVE ASSEMBLY
		SANITARY SEWER			YARD HYDRANT
		SANITARY CONNECTION & INSPECTION CHAMBER			CAPPED END
		STORM SEWER			WATER METER
		STORM CONNECTION & INSPECTION CHAMBER			BLOW-OFF
		STORM SEWER SERVICE			UNDERGROUND TELEPHONE & TELEPHONE BOOTH
		FRENCH DRAIN			UNDERGROUND ELECTRICAL AND MANHOLE
		STORM SEWER & CLEANOUT			GASMAIN
		CATCH BASIN - TOP INLET & SIDE INLET			TRAFFIC SIGNAL & STREET LIGHT U/G DUCTS
		LAWN DRAIN			ORNAMENTAL STREET LIGHT - DAVIT
		CATCH BASIN MANHOLE			ORNAMENTAL STREET LIGHT - POST TOP
		SWALE			UTILITY POLE
		DITCH			UTILITY POLE W/ LIGHT
		SIDEWALK (ASPHALT)			JUNCTION BOX
		SIDEWALK (CONCRETE)			GROUND ELEVATION
					DIRECTION OF OVERLAND FLOW
					CATHODIC PROTECTION ANODE

DRAWING INDEX			
DWG TYPE	LOCATION	DWG #	SHEET #
	COVER	18-1158-C	0
	GENERAL NOTES	18-1158-N1	1
SANITARY SEWER	15100 BLOCK MARINE DRIVE	18-1158-S1	2
STORM SEWER	15100 BLOCK MARINE DRIVE	18-1158-ST1	3

BINNIE
The people behind your infrastructure.

R.F. BINNIE & ASSOCIATES LTD.
101 - 19232 Enterprise Way,
Surrey, BC V3S 6J9
TEL 604 574 3336
BINNIE.com



PROJECT NAME: 15322 Buena Vista Ave, White Rock, V4B 1Y6 - CIVIL ENGINEERING PROJECT - 1158 - 18-N1
DATE: 2019-07-23 8:23:32 AM
FILE: P:\15322 Buena Vista Ave\15322 Buena Vista Ave - CIVIL ENGINEERING PROJECT - 1158 - 18-N1.dwg
PLOTTER: 2019-07-23 8:23:32 AM
PLOT: P:\15322 Buena Vista Ave\15322 Buena Vista Ave - CIVIL ENGINEERING PROJECT - 1158 - 18-N1.dwg

GENERAL NOTES:

- ALL WORK MUST BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MASTER MUNICIPAL CONSTRUCTION DOCUMENT SPECIFICATIONS & STANDARD DETAIL DRAWINGS, AND THE CITY OF WHITE ROCK REQUIREMENTS. WHERE THERE IS A CONFLICT BETWEEN STANDARDS, AND WHERE NO SPECIFIC REFERENCE HAS BEEN MADE ON THE PLANS OR SPECIFICATIONS, THE MORE STRINGENT STANDARD WILL GOVERN – CONTACT THE CONTRACT ADMINISTRATOR FOR CLARIFICATION.
1. THE CONTRACTOR IS TO NOTIFY THE ENGINEER 48 HRS. PRIOR TO CONSTRUCTION AND VERIFY THEY HAVE THE LATEST DRAWINGS ISSUED FOR CONSTRUCTION. ANY REVISIONS TO THESE DRAWINGS MUST BE APPROVED BY THE ENGINEER, WHO SHALL REVIEW ANY CHANGES WITH THE CITY ENGINEER.
 2. THE CONTRACTOR SHALL ENSURE ALL APPROVALS REQUIRED FOR THE PROPOSED WORK HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS TO CHECK WITH BC HYDRO, TELUS, SHAW, AND FORTIS BC PRIOR TO COMMENCING WORK FOR VERIFICATION OF LOCATION AND INVERTS OF ALL UTILITIES.
 3. ALL MATERIALS TESTING MUST BE DONE IN ACCORDANCE WITH THE M.M.C.D. TESTING TO BE CARRIED OUT BY A QUALIFIED MATERIALS TESTING FIRM AND PAID FOR BY THE CONTRACTOR. THE CONTRACTOR IS TO PROVIDE COPIES OF ALL TEST RESULTS TO THE ENGINEER. ANY MATERIAL SUBSTITUTION MUST BE APPROVED BY THE CONTRACT ADMINISTRATOR.
 4. WORKSAFE B.C. IS TO BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION.
 5. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE CAUSED TO EXIST. STREET OR SERVICES BY CONSTRUCTION EQUIPMENT AND/OR TRUCKS HAULING MATERIAL TO THE SITE. THIS MAY INCLUDE DAILY CLEANING OR SWEEPING EXIST. ROADS OF DIRT AND DEBRIS CAUSED BY CONSTRUCTION ACTIVITY.
 6. CONTRACTOR TO VERIFY THE LOCATION OF ALL EXIST. SERVICES AND TIE-IN POINTS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION AND TO NOTIFY THE ENGINEER OF ANY DISCREPANCIES, CONFLICTS OR OMISSIONS.
 7. OPEN TRENCH OPERATIONS IN EXIST. PAVEMENT SHALL BE VERTICAL AND REPLACED WITH HOT MIX ASPHALTS AFTER BACKFILL AND COMPACTION WITHIN 48 HOURS OF TRENCH WORK. NO TRENCHES IN EXIST. ROADWAYS SHALL BE LEFT UNCOVERED OVERNIGHT WITHOUT APPROVAL OF THE CITY OF WHITE ROCK AND FULFILLMENT OF ANY CONDITIONS OF THAT APPROVAL. ALL PAVEMENTS, BOULEVARDS, ETC. ARE TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER WHERE NO IMPROVEMENT IS PROPOSED UNDER THIS CONTRACT.
 8. THE CONTRACTOR SHALL USE EXTREME CARE WHEN WORKING NEAR EXIST. SERVICES AND ANY SERVICES DISTURBED ARE TO BE REPLACED TO THE SATISFACTION OF THE CITY OF WHITE ROCK OR OTHER APPROVING AGENCIES.
 9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND EXPOSE ALL EXIST. SANITARY, STORM SEWERS, SERVICE CONNECTIONS, WATERMAIN, GAS MAIN, UNDERGROUND ELECTRICAL AND/OR TELEPHONE DUCTING, STREET LIGHTING AND ALL OTHER EXIST. UNDERGROUND UTILITIES AT ALL TIE-IN LOCATIONS AND ALL LOCATIONS WHERE THEY MAY CROSS OR COME INTO CLOSE PROXIMITY WITH THE PROPOSED WORKS, NOTIFY THE ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
 10. JUNCTION BOXES, VALVE COVERS, MANHOLE FRAMES & COVERS WITHIN THE PAVED ROADWAY TO BE LEFT LOW AT BASE LEVEL AT TIME OF BASE LIFT ASPHALT AND RAISED JUST PRIOR TO FINAL LIFT OF PAVING.
 11. SIGNAGE INSTALLED IN NON CONCRETE AREAS (i.e. SOD) ARE TO BE INSTALLED USING TRAPEZOIDAL BASES. SIGNAGE INSTALLED IN CONCRETE AREAS ARE TO BE INSTALLED USING A ROUND SIGN POST SLEEVE.
 12. THE LOCATION OF EXISTING UNDERGROUND SERVICES HAVE BEEN OBTAINED THROUGH MUNICIPAL AND AGENCY RECORD DRAWINGS, AND THE ENGINEER CANNOT BE HELD RESPONSIBLE FOR THEIR ACCURACY OR COMPLETENESS. THE CONTRACTOR MUST VERIFY THE LOCATION, INVERT, AND SIZE OF ALL EXISTING SERVICES INCLUDING ALL TIE-IN POINTS PRIOR TO CONSTRUCTION. THE CONTRACT ADMINISTRATOR MUST BE NOTIFIED OF ANY DISCREPANCIES AND OMISSIONS

SANITARY AND STORM SEWER NOTES:

1. ADJUST ALL MANHOLES, CLEANOUTS, VALVE COVERS, INSPECTION CHAMBERS, ETC. TO GRADE AS REQUIRED.
2. REFER TO CONTRACT DRAWINGS FOR TYPICAL TRENCH DETAIL AND PAVEMENT RESTORATION.
3. CONTRACTOR TO REMOVE AND REPLACE EXIST. SANITARY AND STORM SEWER SYSTEM AS NOTED. UNLESS NOTED OTHERWISE ON THE DRAWINGS.
4. SANITARY AND STORM SEWER MATERIALS ARE TO CONFORM TO THE MMCD SPECIFICATIONS.
5. ALL PIPES (MAIN LINE AND SERVICE CONNECTIONS) MUST BE INSTALLED WITH GASKET JOINTS.
6. ALL PIPE SIZES INDICATED REFER TO MINIMUM INSIDE DIAMETER DIMENSIONS.
7. ALL MANHOLES SHALL BE AS PER MMCD STD DWG S2. ALL MANHOLES ARE TO BE SIZED AS PER MMCD.
8. ALL MANHOLE LIDS, CLEANOUT COVERS, CATCH/LAWN BASIN GRATES AND THE LIDS OF ANY OTHER STRUCTURES ARE TO BE INSTALLED TO SUIT FINAL SITE GRADES.
9. THE CONTRACTOR IS TO ESTABLISH LOCATIONS, ELEVATIONS AND ALIGNMENTS OF ALL EXISTING SANITARY SEWER SERVICES PRIOR TO CONSTRUCTION TO FACILITATE TIE-INS. ANY DISCREPANCIES WITH THE INFORMATION SHOWN THAT MAY ALTER THE DESIGN SHALL BE BROUGHT TO THE ATTENTION OF THE CONTRACT ADMINISTRATOR.
10. ALL SANITARY SEWER MAIN DEFLECTIONS ARE TO CONFORM TO THE MANUFACTURER'S SPECIFICATIONS.
11. ALL WYES ARE TO BE MANUFACTURED.
12. THE CONTRACTOR MUST FLUSH ALL NEW SANITARY AND STORM LINES PRIOR TO TIE-IN PROCEDURES. TESTS ARE TO BE PERFORMED AS PER THE LATEST M.M.C.D. THE CONTRACTOR IS TO PROVIDE THE CONTRACT ADMINISTRATOR WITH THE TEST RESULTS.
13. CONTRACTOR SHALL PROVIDE A VIDEO INSPECTION REPORT FOR ALL NEW MAINLINE SANITARY AND STORM SEWERS. THE VIDEO INSPECTION MUST BE PERFORMED BY A PACP CERTIFIED OPERATOR AND APPROVED BY THE CONSULTANT.
14. CONTRACTOR TO PROVIDE TEMPORARY PUMP OR DISPOSAL OF EXISTING SEWAGE FLOWS DURING CONSTRUCTION PERIOD. THIS WILL BE CONSIDERED INCIDENTAL TO THE WORK HEREIN.
15. CONTRACTOR TO EXPOSE AND VERIFY ALL UTILITY CROSSINGS/TIE-IN LOCATIONS AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. GAS MAIN AND HYDRANT LEAD CROSSINGS MAY REQUIRE REGRADING.

EROSION AND SEDIMENT CONTROL MEASURES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE EITHER OVERLAND OR PIPED.
2. STORM CATCH BASINS TO HAVE TEMPORARY FILTER FABRIC INSTALLED TO PROHIBIT ENTRANCE OF SEDIMENT INTO THE CITY STORM SEWERS DURING CONSTRUCTION. FILTER FABRIC TO BE MAINTAINED UNTIL RESTORATION HAS BEEN COMPLETED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP THE CITY ROADS CLEAN TO THE SATISFACTION OF CITY OF WHITE ROCK. IN THE EVENT THAT THE CITY OF WHITE ROCK SENDS OUT THEIR STREET SWEEPERS, THE COSTS FOR STREET CLEANING WILL BE CHARGED TO THE CONTRACTOR AND DEDUCTED FROM PROGRESS CLAIMS. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO KEEP THE DUST TO LEVELS ACCEPTABLE TO THE CITY OF WHITE ROCK AND THE PUBLIC.
4. THE COST OF ALL EROSION AND SEDIMENT CONTROL MEASURES INCLUDING MAINTENANCE, REMOVAL, STREET CLEANING AND DUST SHALL BE INCLUDED IN THE CONTRACTOR'S PRICE WITH NO ADDITIONAL COST TO THE CITY OF WHITE ROCK.

RESTORATION NOTES

1. CONTRACTOR SHALL RESTORE AREAS DISTURBED BY CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE ENGINEER AND THE CITY OF WHITE ROCK.
2. CONTRACTOR TO RESTORE EXISTING ASPHALT ACCORDING TO THE CONTRACT DRAWINGS.
3. MINIMUM GRAVEL DRIVEWAY RESTORATION TO BE 75mm – 19mm MINUS BASE GRAVEL
4. ALL GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED WITH 150mm TOPSOIL AND SOD. MAINTAIN UNTIL ESTABLISHED.
5. IDENTIFY ANY TREES TO BE REMOVED AND OBTAIN CITY APPROVAL PRIOR TO CUTTING.
6. ALL RESTORATION WORK TO BE COMPLETED TO THE SATISFACTION OF THE CONTRACT ADMINISTRATOR AND THE CITY OF WHITE ROCK.

AS-BUILTS – CONTRACTOR'S OBLIGATIONS

1. CONTRACTOR TO SUPPLY CONTRACT ADMINISTRATOR WITH ONE SET OF DRAWINGS CLEARLY MARKED UP TO INDICATE ANY CHANGES TO THE DESIGN.
2. THE CONTRACTOR TO MAINTAIN A COMPLETE SET OF CIVIL DRAWINGS MARKED IN RED TO RECORD THE CONSTRUCTED LOCATION OF ALL SERVICES ON THE PROJECT. THIS MARKED UP SET MUST BE AVAILABLE ONSITE FOR THE ENGINEER OR CITY OF WHITE ROCK TO REVIEW AT ALL TIMES. UPON COMPLETION OF EACH UTILITY AND AGAIN UPON COMPLETION OF THE CIVIL WORK, A MARKED-UP SET IS TO BE SUBMITTED TO BINNIE FOR THEIR RECORDS.
3. CONTRACTOR SHALL PROVIDE FIELD SURVEY PICK UP DURING THE COURSE OF CONSTRUCTION TO DOCUMENT RECORD INFORMATION ON ALL UNDERGROUND INSTALLATIONS OF MAIN, SERVICE CONNECTIONS, CHAMBERS, MANHOLES, APPURTENANCES, STRUCTURES, AND FURNISHINGS. THE CONTRACTOR WILL BE CONTRACTUALLY REQUIRED TO SURVEY VERTICAL AND HORIZONTAL OF THE INSTALLATION OF UNDERGROUND PROPOSED UTILITIES. A RECORD DRAWING TOPOGRAPHICAL SURVEY SHOULD BE COMPLETED AFTER CONSTRUCTION TO PICK UP ALL SURFACE FEATURES.

SUMMARY OF MATERIAL TESTING FREQUENCY		
MATERIAL	MMCD REFERENCE	TESTING FREQUENCY
CONCRETE CURB AND SIDEWALK	03 30 53 – 1.6.2	1 PER 10m ³ , MIN. ONE PER DAY / PER SITE LOCATION
SIEVE ANALYSIS AND PROCTORS	31 05 17 – 1.5.2	1 PRIOR TO COMMENCING WORK, 1 EVERY 1000 TONNES
TRENCH (DENSITIES)	31 23 01 – 3.5.4.4	1 PER 50 LIN.M PER 600mm LIFT
ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION (DENSITIES)	31 24 13 – 3.5.7	1 PER 250m ² , PER 300mm LIFT
GRANULAR SUBBASE (DENSITIES)	32 11 16.1 – 3.3.6	1 PER 150mm ² OF MATERIAL PLACED, PER 150mm LIFT
GRANULAR BASE (DENSITIES)	32 11 23 – 3.3.6	1 PER 150mm ² OF MATERIAL PLACED, PER 150mm LIFT
HOT-MIX ASPHALT (CONVENTIONAL)	32 12 16 – 1.6.3-9	1 TEST PER EACH ASPHALT TYPE, MIN. 1 PER DAY, PER SITE/LOCATION
TOPSOIL	32 91 21 – 1.5.2	1 PRIOR TO COMMENCING WORK

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This drawing is not to be used for construction unless it is stamped "ISSUED FOR CONSTRUCTION" and signed by R.F. Binnie & Associates Ltd. It is the contractor's responsibility to ensure that he is in possession of the latest revision of this drawing.			
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1	2019.05.24	ISSUED FOR TENDER	MM
No.	DATE	REVISION	BY

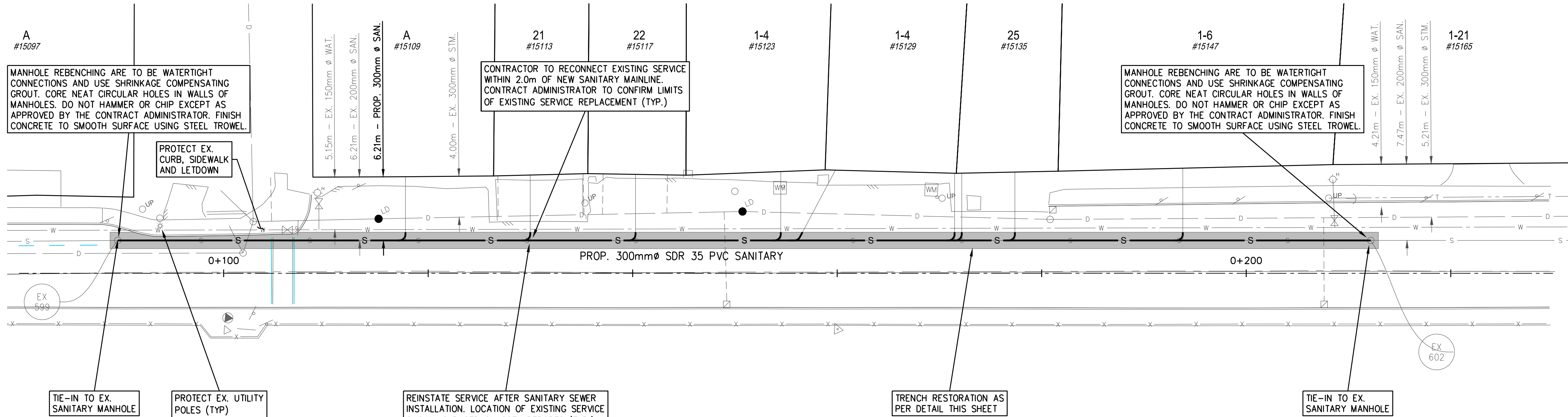
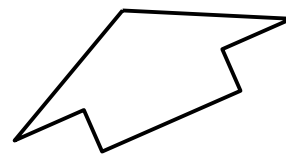


R.F. BINNIE & ASSOCIATES LTD.
101 - 19232 Enterprise Way,
Surrey, BC V3S 6J9
TEL 604 574 3336
BINNIE.com

CLIENT	CITY OF WHITE ROCK 15322 Buena Vista Ave, White Rock, V4B 1Y6	SURVEYED BY		DATE	May 24, 2019
DRAWING DESCRIPTION	GENERAL NOTES	DRAWN BY	KFB	DRAWING No.	18-1158-N1
		DESIGNED BY		SHEET	1 OF 3
		CHECKED BY		REV.	A
		SCALES		DESTROY ALL PRINTS BEARING PREVIOUS No.	
		AS SHOWN		2019-07-25	

SHEET SET NAME: 18-1158-S1 - SANITARY SEWER - 2019-07-23

2019-07-23 10:30 AM
R.F. BINNIE & ASSOCIATES LTD.
101-19232 ENTERPRISE WAY, SURREY, BC V3S 6J9
TEL 604 574 3336
BINNIE.COM



MARINE DRIVE

REFER TO DWG. 18-1158-ST1
FOR STORM SEWER INSTALLATION
AT THIS LOCATION

BENCHMARK:

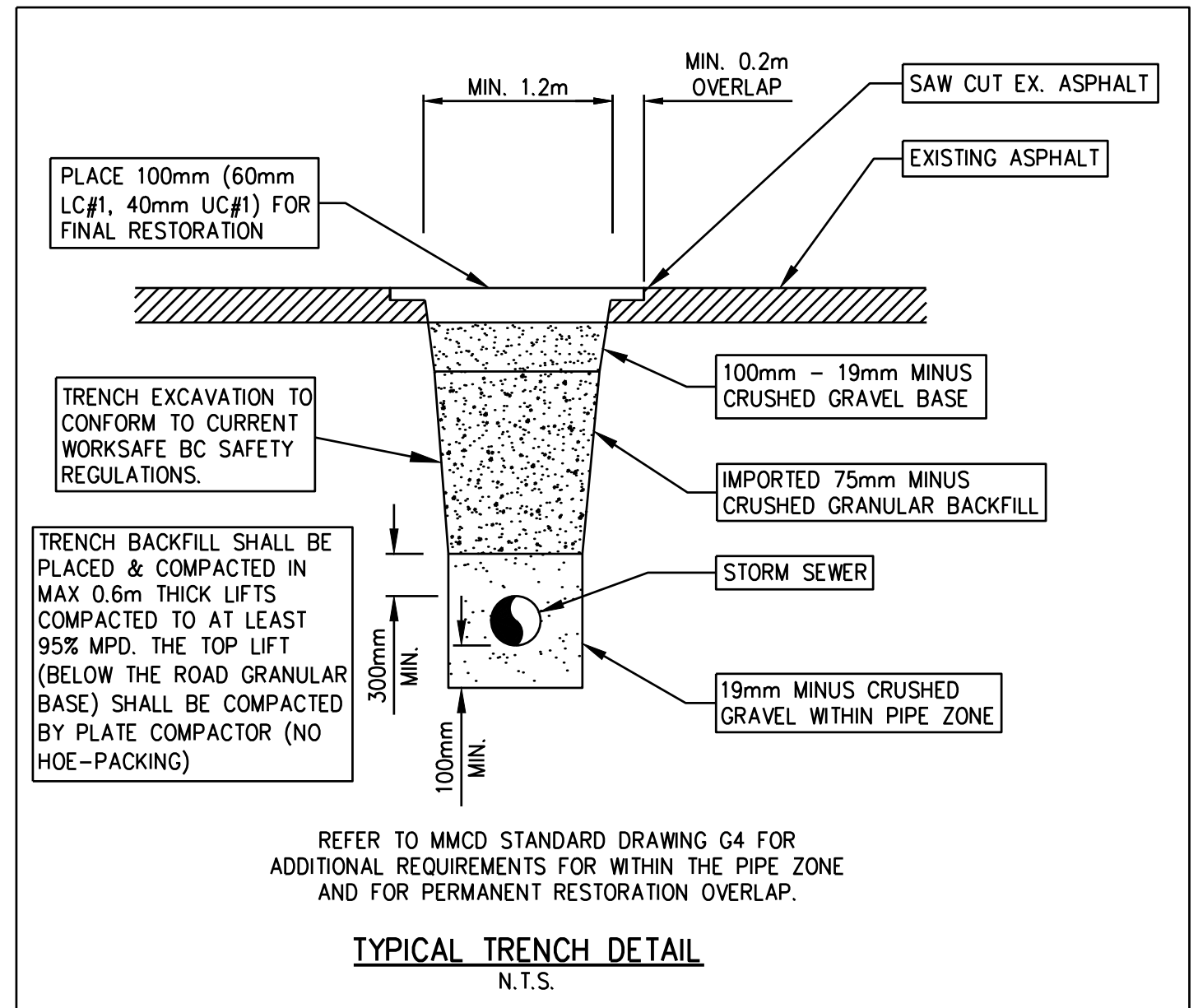
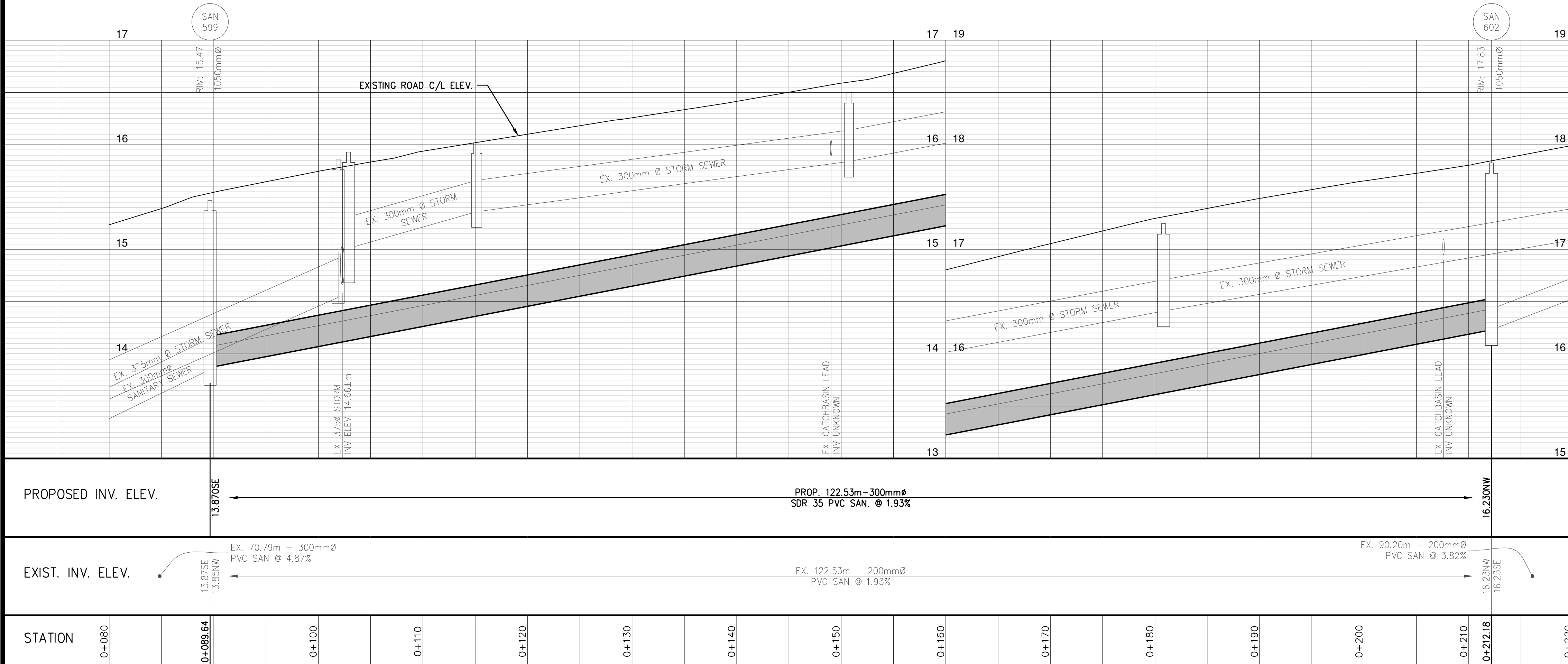
MONUMENT 88H3867 LOCATED AT THE INTERSECTION
OF FOSTER STREET AND MARINE DRIVE ELEV. 15.478

GENERAL NOTES - TRENCH RESTORATION:

1. REMOVE EXISTING SIGNS TEMPORARILY DURING CONSTRUCTION IF REQUIRED AND REINSTATE AFTER CONSTRUCTION TO ORIGINAL CONDITION AND PLACE.
2. COMPLETE TEMPORARY PAVEMENT RESTORATION TO MMCD G5. REINSTATE PAVEMENT WITHIN TRENCH WITH 50mm ASPHALT (ONE LIFT) AND 150mm THICK - 19mm CRUSHED GRANULAR BASE, COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
3. COMPLETE PERMANENT PAVEMENT RESTORATION TO MMCD G5. ALLOW MINIMUM 3 MONTHS BETWEEN TEMPORARY PAVEMENT RESTORATION AND PERMANENT PAVEMENT RESTORATION.
4. PERMANENT PAVEMENT RESTORATION TO INCLUDE 100mm THICK OF ASPHALT IN TWO LIFTS: 60mm THICK UPPER COURSE #1 40mm THICK LOWER COURSE #1

GENERAL NOTES - SANITARY SEWER:

1. CONTRACTOR TO EXPOSE AND VERIFY ALL UTILITY CROSSINGS AND TIE-IN LOCATIONS, AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. GAS MAIN AND HYDRANT LEAD CROSSINGS MAY REQUIRE RE-GRADING, IF APPLICABLE.
2. CONTRACTOR TO COORDINATE WITH CITY OF WHITE ROCK FOR EXPECTED SANITARY FLOWS AND PROVIDE THE CONTRACT ADMINISTRATOR WITH A BY-PASS PUMPING PLAN PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR TO REPLACE EXISTING UTILITIES OR ROAD STRUCTURES IF DAMAGED BY CONTRACTOR DURING SANITARY SEWER INSTALLATION.



TYPICAL TRENCH DETAIL
N.T.S.

PROPOSED INV. ELEV.

EXIST. INV. ELEV.

STATION

No.	DATE	REVISION	BY
A	2019.07.23	RE-ISSUED FOR TENDER	NM
1	2019.05.24	ISSUED FOR TENDER	MM

BINNIE
The people behind your infrastructure.

R.F. BINNIE & ASSOCIATES LTD.
101 - 19232 Enterprise Way,
Surrey, BC V3S 6J9
TEL 604 574 3336
BINNIE.com

CLIENT

CITY OF WHITE ROCK
15322 Buena Vista Ave, White Rock, V4B 1Y6

DRAWING DESCRIPTION

2019 SEWER REPAIR PROGRAM (OPEN CUT)
15100 BLOCK MARINE DRIVE
SANITARY SEWER

SURVEYED BY TA
DRAWN BY KFB
DESIGNED BY NM
CHECKED BY RA

SCALES
H 1:250 10m
V 1:25 1m



DATE July 4, 2019

DRAWING No.

18-1158-S1

SHEET 2 OF 3

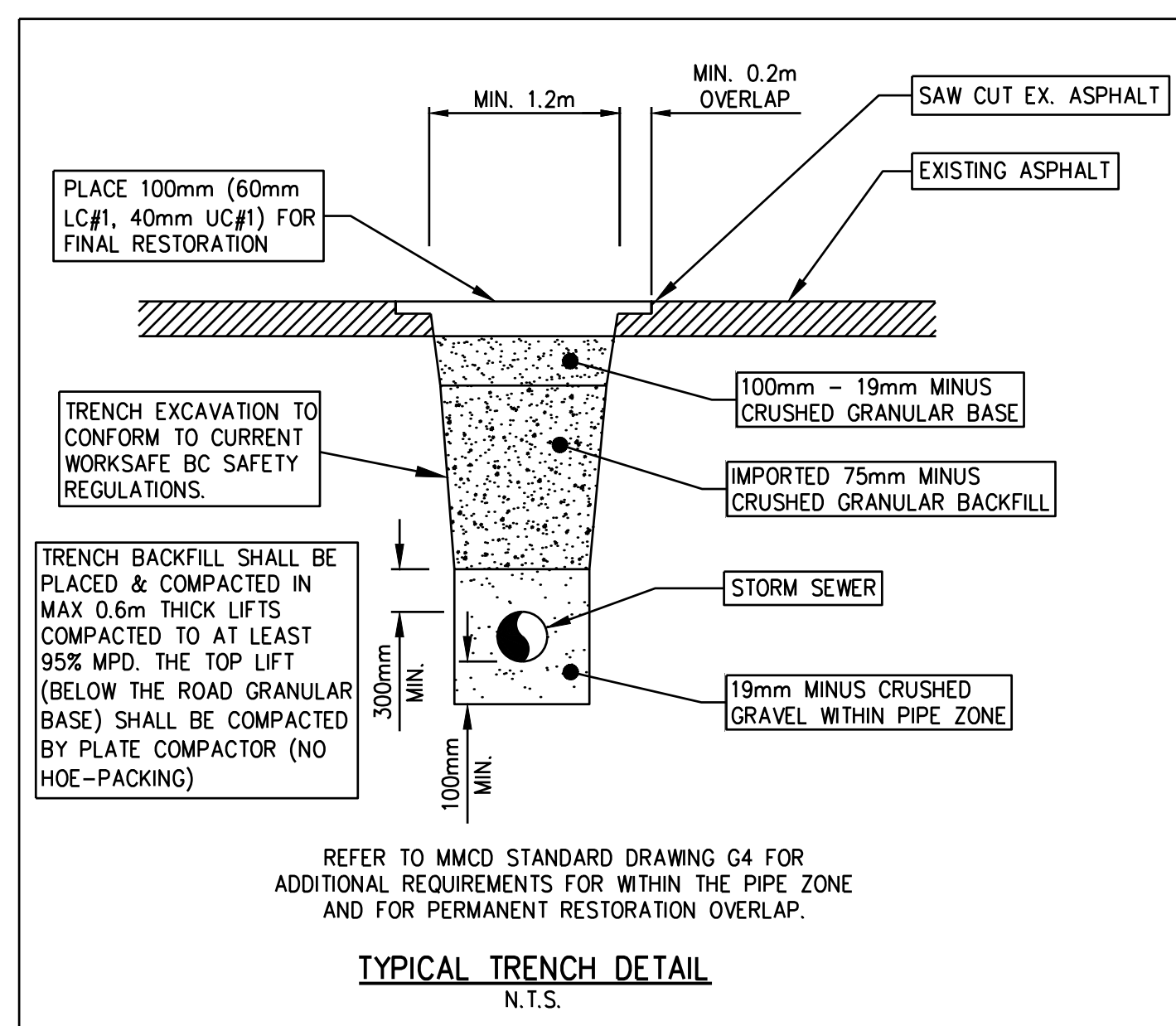
DESTROY ALL PRINTS BEARING PREVIOUS No.



1. REMOVE EXISTING SIGNS TEMPORARILY DURING CONSTRUCTION IF REQUIRED AND REINSTATE AFTER CONSTRUCTION TO ORIGINAL CONDITION AND PLACE.
2. COMPLETE TEMPORARY PAVEMENT RESTORATION TO MMCD G5. REINSTATE PAVEMENT WITHIN TRENCH WITH 50mm ASPHALT (ONE LIFT) AND 150mm THICK - 19mm CRUSHED GRANULAR BASE, COMPACTED TO 95% MODIFIED PROCTOR DENSITY.
3. COMPLETE PERMANENT PAVEMENT RESTORATION TO MMCD G5. ALLOW MINIMUM 3 MONTHS BETWEEN TEMPORARY PAVEMENT RESTORATION AND PERMANENT PAVEMENT RESTORATION.

1. CONTRACTOR TO EXPOSE AND VERIFY ALL UTILITY CROSSINGS AND TIE-IN LOCATIONS, AND NOTIFY THE CONTRACT ADMINISTRATOR OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION. GAS MAIN AND HYDRANT LEAD CROSSINGS MAY REQUIRE RE-GRADING, IF APPLICABLE.
2. CONTRACTOR TO REPLACE EXISTING UTILITIES OR ROAD STRUCTURES IF DAMAGED BY CONTRACTOR DURING STORM SEWER INSTALLATION.

REFER TO DWG. 18-1158-S1
FOR SANITARY SEWER
INSTALLATION AT THIS LOCATION



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Surrey, BC V3S 6J9
TEL 604 574 3336
BINNIE.com

CLIENT	CITY OF WHITE ROCK 15322 Buena Vista Ave, White Rock, V4B 1Y6
DRAWING DESCRIPTION	2019 SEWER REPAIR PROGRAM (OPEN CUT) 15100 BLOCK MARINE DRIVE STORM SEWER

SURVEYED BY	TA
DRAWN BY	KFE
DESIGNED BY	NM
CHECKED BY	RA

SCALES

0 H 1:250 10m



DATE		July 22, 2019	
DRAWING No.			
18-1158-ST1			
SHEET		3	OF 3
DESTROY ALL PRINTS BEARING PREVIOUS No.			

Appendix F2 – Video and PDF Reports (Available on Request)

*Video and PDF Reports are available, in whole or in part, on request to:
Michael Hill, Project Manager, R.F. Binnie & Associates Ltd., mhill@binnie.com.*