



INVITATION TO TENDER

ITT NO. ENG 25-02

**Project 1: Esquimalt Road – Active Transportation
Improvements & Underground Utility Renewals**

Project 2: Craigflower Road – Crosswalk Upgrades

DATE OF ISSUE: May 23, 2025

1229 Esquimalt Road
Esquimalt BC V9A 3P1
t. 250-414-7108
f. 250-414-7160
www.esquimalt.ca

CONTENTS

Table of Contents	TC – 1
Invitation to Tender	IT - 1
Instructions to Tenderers (Part I)	IT Part I 1-5
Instructions to Tenderers (Part II)	(Not Reproduced)
Form of Tender	FT 1-3
Appendix 1 – Schedule of Quantities & Prices	4-12
Appendix 2 – Preliminary Construction Schedule	13
Appendix 3 – Experience of Superintendent	14
Appendix 4 – Comparable Work Experience	15
Appendix 5 – Subcontractors	16
Form of Agreement	AGT 1-4
Schedule 1 – Schedule of Contract Documents	5
Schedule 2 – List of Contract Drawings	6-8
General Conditions	(Not Reproduced)
– See MMCD (2019 Edition)	
Supplementary General Conditions	
Contract Specific General Conditions	1-3
Specifications	(Not Reproduced)
– See MMCD (2019 Edition)	
Supplementary Specifications	
Project Specific Specifications	1-6
Contract Drawings	Project 1: 1-15, E01-E11 Project 2: 1-0, E01-E13
Supplemental Detail Drawings	1-47
Environmental Soil Characterization Report	1-51

ENG 25-02		
UNIT	PROJECT 1: TOE ESQUIMALT ROAD	
PRICE	PROJECT 2: TOE CRAIGFLOWER ROAD	INVITATION TO TENDERERS
CONTRACT	INVITATION TO TENDERERS	PAGE 1 OF 1

Owner: THE CORPORATION OF THE TOWNSHIP OF ESQUIMALT
(NAME OF OWNER)

Contract: Esquimalt Road – Active Transportation Improvements & Underground Utility Renewals and Craigflower Road Crosswalk Upgrades
(TITLE OF CONTRACT)

Reference No.: ENG 25-02
(OWNER'S CONTRACT REFERENCE NO.)

The Owner invites tenders for: The supply of labour, materials, and equipment for the construction of sidewalks, bike lanes, and road rehabilitation on Esquimalt Road and Craigflower Road. The work includes underground utility renewals for storm and sanitary sewers using both open cut and trenchless methods, traffic signal upgrades and modifications, and the installation of Rectangular Rapid Flashing Beacons (RRFBs)
(BRIEF DESCRIPTION OF THE WORK)

Digital (pdf) copies of the Contract Documents are available for no charge: Civic Info (www.civicinfo.bc.ca)
BC Bid (www.bcbid.gov.bc.ca)
Township of Esquimalt (www.Esquimalt.ca)
(ADDRESS WHERE CONTRACT DOCUMENTS CAN BE VIEWED)

Tenders are scheduled to close:

Tender Closing

Time: 2:00 PM local time

Tender Closing

Date: June 19, 2025

Address: ELECTRONIC SUBMISSIONS VIA EMAIL TO
pearl.barnard@esquimalt.ca
(ADDRESS WHERE TENDERS MUST BE SUBMITTED)

Submissions must be emailed as a pdf attachment to the above listed email address.

Please note: Email submissions could be delayed or rejected by the Township of Esquimalt's email security system. The onus is on the tenderers to make sure the Township receives the email submission.

NAME OF OWNER'S REPRESENTATIVE

CHARLES DAVIE, MANAGER OF ENGINEERING
Contact via email
(PHONE)
charles.davie@esquimalt.ca
(E-MAIL)

ENG 25-02		
UNIT PRICE CONTRACT	PROJECT 1: TOE ESQUIMALT ROAD	
	PROJECT 2: TOE CRAIGFLOWER ROAD	
	INSTRUCTIONS TO TENDERERS	INSTRUCTIONS TO TENDERERS PAGE 1 OF 5

(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.)

(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)

Owner: CORPORATION OF THE TOWNSHIP OF ESQUIMALT
(NAME OF OWNER)

Contract: Esquimalt Road – Active Transportation Improvements & Underground
Utility Renewals and Craigflower Road Crosswalk Upgrades
(TITLE OF CONTRACT)

Reference No. ENG 25-02
(OWNER'S CONTRACT REFERENCE NO.)

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:

The supply of labour, materials, and equipment for the construction of sidewalks, bike lanes, and road rehabilitation on Esquimalt Road and Craigflower Road. The work includes underground utility renewals for storm and sanitary sewers using both open cut and trenchless methods, traffic signal upgrades and modifications, and the installation of Rectangular Rapid Flashing Beacons (RRFBs)

(BRIEF DESCRIPTION OF THE WORK)

1.2 Direct all inquiries regarding the *Contract*, to:

Charles Davie, Manager of Engineering

(NAME AND POSITION OF INDIVIDUAL WHO WILL ANSWER INQUIRIES)

Address: 1229 Esquimalt Road
Esquimalt, BC V9A 3P1

Phone: Contact via email

Email: charles.davie@esquimalt.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*".
- 2.2 A portion 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*.
- 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.

3.0 Submission of Tenders

- 3.1 Tenders must be submitted electronically via email to:

pearl.barnard@esquimalt.ca

(EMAIL)

on or before:

Tender Closing Time: 2:00PM local time

Tender Closing Date: June 19, 2025

UNIT PRICE CONTRACT	<p>ENG 25-02</p> <p>PROJECT 1: TOE ESQUIMALT ROAD</p> <p>PROJECT 2: TOE CRAIGFLOWER ROAD</p> <p>INSTRUCTIONS TO TENDERERS</p>	<p>INSTRUCTIONS TO TENDERERS</p> <p>PAGE 3 OF 5</p>
---------------------------	---	---

Tender hardcopies will **NOT** be accepted. File type in email submission must be attached as a pdf.

Email submissions could be delayed or rejected by the Township of Esquimalt's email security system. The onus is on the tenderers to make sure the Township receives the email submission on or before the date and time listed above.

- | | |
|--|---|
| <p>4.0 <u>Additional Instructions to Tenderers</u></p> | <p>3.2 Late tenders will not be accepted or considered, and will be returned unopened.</p> <p>4.1 Evaluation Criteria: The Township will base its evaluation of tender submissions on price.</p> <p>4.2 Substantial Performance Date: The Township requires all <i>Contract</i> work be completed by November 15, 2025.</p> <p>4.3 Prime Contractor: For the purpose of the Contract, the successful Bidder shall be deemed to be the "Prime Contractor" as defined under the regulations of the Worker's Compensation Act. The successful Bidder shall be responsible for meeting all requirements associated with this role.</p> <p>4.4 Subcontractor: The Township reserves the right to object to any of the subcontractors listed in the Tender. If the Township objects to a listed subcontractor(s) then the Township will permit a Bidder to, within five (5) days, propose a substitute subcontractor(s) acceptable to the Township provided that there is no resulting adjustment in the Tender cost or completion date set out in the Form of Tender.</p> <p>4.5 Financial Security: Failure to provide financial security (as described in 5.2.1 of IT-Part II) with your tender submission, will result in your tender being deemed incomplete and therefore will not be considered.</p> <p>4.6 Funding: Proceeding with an award of this tender may be subject to available funding.</p> <p>4.7 Cancellation: The Township reserves the right to cancel this Tender at any time and for any reason, and will not be responsible for any loss, damage, cost or expense incurred or suffered by and Tenderer as a result of that cancellation.</p> <p>4.8 Notice of Project: The Contractor shall submit to WorkSafe BC a completed Notice of Project, providing a copy to the Township.</p> |
|--|---|

UNIT PRICE CONTRACT	<p style="text-align: center;">ENG 25-02</p> <p style="text-align: center;">PROJECT 1: TOE ESQUIMALT ROAD</p> <p style="text-align: center;">PROJECT 2: TOE CRAIGFLOWER ROAD</p> <p style="text-align: center;">INSTRUCTIONS TO TENDERERS</p>	<p style="text-align: center;">INSTRUCTIONS TO TENDERERS</p> <p style="text-align: center;">PAGE 4 OF 5</p>
---------------------------	---	---

- 4.9 **Submittals:** The Contractor shall submit, in a form acceptable to The Township, upon acceptance of the tender and prior to receiving Notice to Proceed:
- A completed Prime Contractor Designation Form.
 - A copy of the WorkSafe BC Notice of Project.
 - A detailed work schedule describing each phase of the project (i.e. supply, installation, layout, pre-locates etc.).
 - A Traffic Management Plan including a detailed Traffic Control Plan and how it relates to the detailed work schedule.
 - An Environmental Management Plan to address environmental issues related to the construction and how the work will comply with federal, provincial and local regulations and bylaws
- 4.10 **Addenda:** Any and all addenda to this Tender will be posted on BC Bid. It is the sole responsibility of the tenderer to make sure that they are in receipt of all addenda prior to the closing date and acknowledge receipt of the addenda on the Tender Form.
- 4.11 **Freedom of Information:** The Township is subject to the provisions of the Freedom of Information and Protection of Privacy Act. As a result, while Section 21 of the Act does offer some protection for third party business interests, The Township cannot guarantee that any information provided to The Township can be held in confidence.
- 4.12 **Accuracy of Information:** The Township makes no representation or warranty, either expressed or implied, with respect to the accuracy or completeness of any information contained in or referred to in the Tender.
- 4.13 **Responsibility of Tenderers:** Each tenderer is responsible for informing themselves as to the contents and requirement of this tender.

Each tenderer is solely responsible to ensure that they have obtained and considered all information necessary to understand the requirements of the tender and to prepare and submit their tender.

The Township will not be responsible for any loss, damage or expense incurred by a tenderer as a result of any inaccuracy or incompleteness in this tender, or as a result of any misunderstanding or misinterpretation of the terms of the tender on the part of any tenderer.

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER		
UNIT	ROAD	INSTRUCTIONS TO TENDERERS
PRICE		
CONTRACT	INSTRUCTIONS TO TENDERERS	PAGE 5 OF 5

- 4.14 **Construction sequence:** Tenderers are referred to supplemental specifications for sequencing requirements related to layout and installation of pre-cast concrete barriers and bollards. Refer to sections 01 10 00SS, 03 40 01, 32 31 13 for details.

UNIT PRICE CONTRACT	ENG 25-02 PROJECT 1: TOE ESQUIMALT ROAD PROJECT 2: TOE CRAIGFLOWER ROAD FORM OF TENDER	FORM OF TENDER PAGE 1 OF 16
---------------------------	--	--------------------------------

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.
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.

Owner: CORPORATION OF THE TOWNSHIP OF ESQUIMALT
(NAME OF OWNER)

Contract: Esquimalt Road – Active Transportation Improvements &
Underground Utility Renewals and Craigflower Road
Crosswalk Upgrades
(TITLE OF CONTRACT)

Reference No. ENG 25-02
(OWNER'S CONTRACT REFERENCE NO.)

To Owner:

**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.

**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
15th November 2025; and
(WORK DURATION OR 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 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

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER ROAD		
UNIT PRICE CONTRACT	FORM OF TENDER	FORM OF TENDER PAGE 2 OF 16
		Appendix 1 of this Form of Tender. Our <i>Tender Price</i> is based on the estimated quantities listed in the <i>Schedule of Quantities and Prices</i> , and excludes <i>GST</i> .
WE CONFIRM:	3.1	that we understand and agree that the quantities as listed in the <i>Schedule of Quantities and Prices</i> are estimated, and that the actual quantities will vary.
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 <i>Bid Security</i> as required by paragraph 5.2 of the Instructions to Tenderers – Part II.
WE AGREE:	5.1	that this tender will be irrevocable and open for acceptance by the <i>Owner</i> for a period of <u>60</u> calendar days from the day following the <i>Tender Closing Date and Time</i> , even if the tender of another tenderer is accepted by the <i>Owner</i> . If within this period the <i>Owner</i> delivers a written notice (" <i>Notice of Award</i> ") by which the <i>Owner</i> accepts our tender we will:
	5.1.1	within 15 <i>Days</i> of receipt of the written <i>Notice of Award</i> deliver to the <i>Owner</i> :
	.1	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;
	.2	a Baseline Construction Schedule, as provided by GC 4.6.1;
	.3	a "clearance letter" indicating that the tenderer is in Worksafe BC compliance;
	.4	a copy of the insurance policies as specified in GC 24 indicating that all such insurance coverage is in place; and
	.5	all documents as detailed by paragraph 4.6 of the Instructions to Tenderers – Part 1.
	5.1.2	within 2 <i>Days</i> of the <i>Notice to Proceed</i> , commence work; and

WE AGREE:

5.1.3 sign the Contract Documents as required by GC 2.1.2.

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*.

**OUR ADDRESS IS AS
FOLLOWS:**

Phone: _____
 Email: _____
 Attention: _____

This Tender is executed this
 _____ day of _____, 20 _____.

Contractor:

 (FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

 (AUTHORIZED SIGNATORY)

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER		
UNIT	ROAD	FORM OF TENDER
PRICE		
CONTRACT	FORM OF TENDER	PAGE 4 OF 16

(AUTHORIZED SIGNATORY)

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER ROAD		
UNIT PRICE CONTRACT	FORM OF TENDER	FORM OF TENDER
		PAGE 5 OF 16

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.)

Any work called for in these Contract Documents, shown on the plans, or which is necessary for the completion of the Work called for in these Contract Documents and which is not specifically listed as a separate payment item in this Appendix shall be deemed incidental to the performance of the Work and to the general purpose of the Contract; no separate payment will be made on account of any such Work, but the costs of any such incidental Work shall be included in the Unit and Lump Sum Prices.

TOE ESQUIMALT ROAD – ACTIVE TRANSPORTATION IMPROVEMENTS & UNDERGROUND UTILITY RENEWALS
TENDER SUMMARY SHEET

Esquimalt Road Phase 01 – Project 1		AMOUNT
1.0	Project 1 – Esquimalt Road Phase 01	
	1.0 SUBTOTAL TENDER PRICE	_____
	GST @ 5%	_____
	1.0 TENDER PRICE plus GST	_____
Craigflower Road– Project 2		AMOUNT
2.0	Project 2 – Craigflower Road	
	2.0 SUBTOTAL TENDER PRICE	_____
	GST @ 5%	_____
	2.0 TENDER PRICE plus GST	_____

ENG 25-02			FORM OF TENDER PAGE 6 OF 16
PROJECT 1: TOE ESQUIMALT ROAD			
PROJECT 2: TOE CRAIGFLOWER ROAD			
UNIT			
PRICE			
CONTRACT	FORM OF TENDER		

PROJECT 1 - ESQUIMALT ROAD PHASE 1

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
DIVISION 1 - GENERAL REQUIREMENTS						
01 10 00SS - General Requirements						
1.1	1.2S	Survey Layout, Quantity Survey, Volume Calculations and Record Survey	Lump Sum	1		
01 52 01 - Temporary Structures						
1.2	1.6.2S	Mobilization/Demobilization	Lump Sum	1		
1.3	1.6.3S	Contaminated Soil Testing	Lump Sum	1		
01 52 01 - Temporary Structures						
1.4	1.6.2S	Bypass pumping	Lump Sum	1		
01 55 00 - Traffic Control, Vehicle Access and Parking						
1.5	1.5.1	Traffic Management Plan	Lump Sum	1		
1.6	1.5.2S	Traffic Control, Vehicle Access and Parking	Lump Sum	1		
DIVISION 3 - CONCRETE						
03 20 01 - Concrete Reinforcement						
2.1	1.5.2S, 3.1.3S	Welded Wire Mesh - Optional Supply and install M133250W 3" x 3" x 0.250" dia. welded wire mesh as concrete reinforcement	Square Metre	60		
03 30 20 - Concrete Walks, Curb And Gutter						
2.2	1.4.3S	Hand And Machine Formed Curb and Gutter Hand Formed Curb and Gutter - Concrete Barrier - MMCD Type C4 barrier - Including Granular Base	Lineal Metre	200		
2.3	1.4.3S	Hand And Machine Formed Curb and Gutter Hand Formed Curb and Gutter - Concrete Barrier - City of Vancouver concrete curb type E w/ gutter - Including Granular Base	Lineal Metre	15		
2.4	1.4.3S	Hand Formed Curb Concrete Barrier - Landscape Median Curb	Lineal Metre	100		
2.5	1.4.5S	Concrete Walks, Infill Strips, and Walkways Including Ramps and Granular Base - Broom Finish	Square Metre	365		
2.6	1.4.6S	Concrete Driveway Crossings Per STD DWG TOE-SD-C7.1 and TOE-SD-C7.2 including granular base	each	2		
2.7	1.4.12S	Concrete Crossing Medians Including Ramps and Granular Base - Broom Finish	Square Metre	75		
2.8	1.4.12S	Concrete Medians - Type 1 (Varying Heights) Including Rebar Pins and Grout - Broom Finish	Square Metre	60		

ENG 25-02			PROJECT 1: TOE ESQUIMALT ROAD		FORM OF TENDER	
PROJECT 2: TOE CRAIGFLOWER ROAD			ROAD		PAGE 7 OF 16	
UNIT			FORM OF TENDER			
PRICE						
CONTRACT						

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
03 40 01 - Pre-Cast Concrete						
2.9	1.4.4S	Precast Concrete Sanderson Curbs Standard Curb – Including layout and 20M rebar pinning	each	217		
2.10	1.4.4S	Precast Concrete Sanderson Curbs Bull Nose Curb End. - Including layout and 20M rebar pinning	each	44		
2.11	1.4.4S	Precast Concrete Sanderson Curbs Dual Bull Nose Curb End. - Including layout and 20M rebar pinning	each	3		
2.12	1.4.5S	Precast Concrete Sanderson Curbs - Optional relocation and removal of precast Sanderson curbs	each	20		
DIVISION 31 - EARTHWORK						
31 11 01 - Clearing and Grubbing						
3.1	1.4.1S	Clearing and Grubbing	Square Metre	120		
31 11 41 Shrub and Tree Preservation						
3.2	1.3.1	Tree Pruning (optional)	Each	10		
31 22 16 - Reshaping Granular Roadbeds						
3.3	1.4.1	Reshaping Granular Roadbed - Optional c/w Proof Rolling	Square Metre	200		
31 23 01 - Excavating, Trenching and Backfilling						
3.4	1.10.3	Over excavating - Optional Including Backfilling	Cubic Metre	100		
31 23 17 - Rock Removal						
3.5	1.6.3	Mass Rock - Optional	Cubic Metre	50		
31 24 13 - Roadway Excavation, Embankment and Compaction						
3.6	1.8.5S	Common Excavation Remove Existing Asphalt Pavement, Sidewalks - Including Sawcutting	Square Metre	780		
3.7	1.8.5S	Common Excavation Softscaped Areas	Cubic Metre	100		
3.8	1.8.5S	Common Excavation Remove Existing Concrete Pavement, Median, Sidewalks, Utility Strips, Driveways and Pavers - Including Sawcutting	Square Metre	345		
3.9	1.8.5S	Common Excavation Remove Existing Concrete Curb and Gutter - Including Sawcutting	Lineal Metres	320		
3.10	1.8.5S	Contaminated Soil Disposal - Optional (Provisional sum)	tonne	260		
DIVISION 32 - ROAD AND SITE IMPROVEMENTS						
32 01 11 - Pavement Surface Cleaning and Removal of Pavement Markings						
4.1	1.2.3S	Removal of Existing Pavement Markings Eradication by hydro blasting	Lump Sum	1		

ENG 25-02			PROJECT 1: TOE ESQUIMALT ROAD		FORM OF TENDER	
PROJECT 2: TOE CRAIGFLOWER			ROAD		PAGE 8 OF 16	
UNIT			FORM OF TENDER			
PRICE						
CONTRACT						

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
32 01 16.7 - Cold Milling						
4.2	1.5.1S	Cold Milling Maximum 50mm depth	Square Metres	6255		
4.3	1.5.1S	Cold Milling - Optional Full depth 50mm - 150mm	Square Metres	625		
32 11 16.1 - Granular Sub-Base						
4.4	1.4.3	75mm Minus Granular Sub-Base - Bulk Fill (Optional) 250mm thickness	Square Metres	280		
32 11 23 - Granular Base						
4.5	1.4.1S	19mm Minus Granular Base - (Optional) 100-150mm thickness	Square Metres	280		
32 12 13.1 - Asphalt Tack Coat						
4.6	1.5.1	Asphalt Tack Coat	Square Metres	6535		
32 12 16 - Hot-Mix Asphalt Concrete Paving						
4.7	1.5.1S, 1.5.2	Machine Laid - Upper Course 50mm Thick	Square Metres	6530		
4.8	1.5.1S, 1.5.2, 1.5.3	Machine Laid - Lower Course 50mm Thick	Square Metres	280		
4.9	1.5.3S	Asphalt Driveway Tie-ins 50mm Thickness Machine Laid Hot Mix Asphalt - including granular bases 50-100mm	Square Metres	15		
4.10	1.5.3S	Asphalt Ramp Macaulay St 75-150mm Thickness Machine Laid Hot Mix Asphalt - including granular bases 50-100mm	Square Metres	45		
32 14 01 - Unit Paving						
4.11	1.6.3S, 3.6.1	Precast Concrete Pavers Oldcastle Slab 400X400mm, Gray - including sand, granular base, and polymeric jointing sand.	Square Metres	15.2		
32 17 23 - Painted Pavement Markings						
4.12	1.5.2, 1.5.3S	Permanent Thermoplastic Pavement Markings	Lump Sum	1		
4.13	1.5.2, 1.5.3S	MMA Including Stencils within Green Conflict Paint	Square Metres	318		
32 31 13 - Chain Link Fences & Gates						
4.14	1.5.5S	Pexco City Posts 24" C/W 2-3" HI White Bands, surface mount Supply and Install	Each	173		
4.15	1.5.5S	Install only - Steel Bollard on Median	Each	5		
4.16	1.5.6S	Removal Metal Guard Rail remove existing guard rail and wood post	Lineal Metre	30		
32 91 21 - Topsoil and Finish Grading						
4.17	1.4.1S	Boulevard & Median Planting Median (Varying Thickness)	Cubic Metre	40		
4.18	1.4.1S	Boulevard Topsoil (150mm Thickness)	Square Metres	100		
4.19	1.4.1S	Structural Soil	Cubic Metre	60		
32 92 20 - Seeding						

		ENG 25-02			
		PROJECT 1: TOE ESQUIMALT ROAD			
		PROJECT 2: TOE CRAIGFLOWER ROAD			
UNIT		ROAD		FORM OF TENDER	
PRICE		FORM OF TENDER		PAGE 9 OF 16	
CONTRACT					

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
4.20	1.8.1S	Seeding	Square Metres	100		
32 93 01- Planting of Trees, Shrubs and Ground Covers						
4.21	1.9.1 1.9.2	Trees Cercidiphyllum japonicum Hanna's Heart including drip rings	Each	4		
DIVISION 33 - Utilities						
33 01 30.1 - CCTV Inspection of Pipelines						
5.1	1.6.2	CCTV pre-inspection of Sanitary Sewers	Lineal Metres	330		
5.2	1.6.2	CCTV post lining inspection of Sanitary Sewers	Lineal Metres	330		
33 01 30.2 - Cleaning of Sewers						
5.3	1.5.4S	Root Cutting	Lineal Metres	55		
33 05 24 - Cured In Place Pipe Liners						
5.4	1.9.8	CIPP Lining	Lineal Metres	330		
5.5	1.9.9	Service Reconnection	Each	8		
33 30 01 - Sanitary Sewers						
5.6	1.6.1, 1.6.2S	Open Cut Sewer Pipe PVC - (Optional) SDR 35 200mm diameter, for depth of main 2.5-3m, Imported Backfill	Lineal Metres	52		
5.7	1.6.1, 1.6.2	Spot Repair Inc. fracture replacements. Per average repair length (3m)	Each	6		
33 40 01 - Storm Sewers Open Trenching						
5.8	1.6.1, 1.6.2	DGM00916 PIPE DIA. 375mm, installed at depth 1-3m	Lineal Metres	16		
5.9	1.6.5	Catch basin Lead PIPE DIA. 250mm SDR28 PVC	Lineal Metres	20		
5.10	1.6.5	Catch basin Lead PIPE DIA. 150mm SDR28 PVC	Lineal Metres	15		
33 44 01 - Manholes and Catch basins						
5.11	1.5.4	Remove Existing Catch basins c/w cap of Existing Lead - offsite Disposal	Each	5		
5.12	1.5.7S	Abandon Existing Catch basins c/w cap of Existing Lead - offsite Disposal	Each	4		
5.13	1.5.2	New Catch basin as per ToE-SD-S11.1	Each	6		
5.14	1.5.2	New Catch basin as per CoV SD 11b	Each	2		
5.15	1.5.7S	Abandon Existing Manhole c/w water tight concrete plug - offsite Disposal	Each	1		
5.16	1.5.1	Remove Manholes Inc. temporary entry or exit pits	Each	4		
5.17	1.5.1	1200 Terminus Manhole	Each	1		
5.18	1.5.1	1200 Dia Sump Manhole	Each	1		
5.19	1.5.1	1050 Dia Manhole	Each	4		

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
5.20	1.5.3	Adjust valves, Junction Boxes, Inspection chambers to Finished Grade	Each	6		
DIVISION 34 - TRANSPORTATION						
34 41 13 - Traffic Signals						
6.1	26 56 01 1.9.1 / 34 41 13 1.9.2	RRFB - Esquimalt Rd at Macaulay St	Lump Sum	1		
6.2	26 56 01 1.9.1 / 34 41 13 1.9.2	RRFB - 848 Esquimalt Rd	Lump Sum	1		
6.3	26 56 01 1.9.1 / 34 41 13 1.9.2	RRFB - Esquimalt Rd at Dunsmuir Rd and Dominion Rd	Lump Sum	1		
6.4	1.9.1	Signal Poles - Esquimalt Rd at Lampson St	Lump Sum	1		
6.5	1.9.1	Signal Poles - Esquimalt Rd at Head St	Lump Sum	1		
6.6	1.9.4S	Remove Existing Sign and Dispose offsite	Each	2		
6.7	1.9.4S	Remove Existing Sign and Post and Dispose offsite	Each	29		
6.8	1.9.4S	Relocate Existing Sign and/or Post	Each	3		
6.9	1.9.4S	Install Sign on New or Existing Post	Each	57		

PROJECT 2 - CRAIGFLOWER ROAD

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
DIVISION 1 - GENERAL REQUIREMENTS						
01 10 00SS - General Requirements						
1.1	1.2S	Survey Layout, Quantity Survey, Volume Calculations and Record Survey	Lump Sum	1		
01 52 01 - Temporary Structures						
1.2	1.6.2S	Mobilization/Demobilization	Lump Sum	1		
01 55 00 - Traffic Control, Vehicle Access and Parking						
1.3	1.5.1	Traffic Management Plan	Lump Sum	1		
1.4	1.5.2S	Traffic Control, Vehicle Access and Parking	Lump Sum	1		
DIVISION 3 - CONCRETE						
03 30 20 - Concrete Walks, Curb And Gutter						
2.1	1.4.3S	Hand And Machine Formed Curb and Gutter Hand Formed Curb and Gutter - Concrete Barrier - MMCD Type C4 barrier and rollover - Including Granular Base	Lineal Metre	40		
2.2	1.4.3S	Hand Formed Curb Concrete Barrier - Landscape Median Curb	Lineal Metre	15		

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
2.3	1.4.5S	Concrete Walks, Infill Strips, and Walkways Including Ramps and Granular Base - Broom Finish	Square Metre	60		
2.4	1.4.12S	Concrete Crossing Medians Including Ramps and Granular Base - Broom Finish	Square Metre	28		
2.5	1.5.2S, 3.1.3S	Welded Wire Mesh - Optional Supply and install M133250W 3" x 3" x 0.250" dia. welded wire mesh as concrete reinforcement	Square Metre	10		
DIVISION 31 - EARTHWORK						
31 11 01 - Clearing and Grubbing						
3.6	1.4.1S	Clearing and Grubbing	Square Metre	30		
31 11 41 Shrub and Tree Preservation						
3.7	1.3.1	Tree Pruning	Each	7		
31 22 16 - Reshaping Granular Roadbeds						
3.8	1.4.1	Reshaping Granular Roadbed - Optional c/w Proof Rolling	Square Metre	8		
31 23 01 - Excavating, Trenching and Backfilling						
3.9	1.10.3	Over excavating - Optional Including Backfilling	Cubic Metre	10		
31 23 17 - Rock Removal						
3.10	1.6.3	Mass Rock - Optional	Cubic Metre	5		
31 24 13 - Roadway Excavation, Embankment and Compaction						
3.11	1.8.5S	Common Excavation Remove Existing Asphalt Pavement, Sidewalks - Including Sawcutting	Square Metre	75		
3.12	1.8.5S	Common Excavation Softscaped Areas	Cubic Metre	5		
3.13	1.8.5S	Common Excavation Remove Existing Concrete Pavement, Median, Sidewalks, Utility Strips, Driveways and Pavers - Including Sawcutting	Square Metre	65		
3.14	1.8.5S	Common Excavation Remove Existing Concrete Curb and Gutter - Including Sawcutting	Lineal Metres	70		
3.15	1.8.5S	Contaminated Soil Disposal - Optional (Provisional sum)	tonne	80		
DIVISION 32 - ROAD AND SITE IMPROVEMENTS						
32 01 11 - Pavement Surface Cleaning and Removal of Pavement Markings						
4.1	1.2.3S	Removal of Existing Pavement Markings Eradication by hydro blasting	Lump Sum	1		
32 01 16.7 - Cold Milling						
4.2	1.5.1S	Cold Milling Maximum 50mm depth	Square Metres	110		
4.3	1.5.1S	Cold Milling - Optional Full depth 50mm - 150mm	Square Metres	15		
32 11 16.1 - Granular Sub-Base						

ENG 25-02
PROJECT 1: TOE ESQUIMALT ROAD
PROJECT 2: TOE CRAIGFLOWER
ROAD
FORM OF TENDER

UNIT
PRICE
CONTRACT

FORM OF TENDER
PAGE 12 OF 16

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
4.4	1.4.3	75mm Minus Granular Sub-Base - Bulk Fill (Optional) 250mm thickness	Square Metres	50		
32 11 23 - Granular Base						
4.5	1.4.1S	19mm Minus Granular Base - (Optional) 100-150mm thickness	Square Metres	50		
32 12 13.1 - Asphalt Tack Coat						
4.6	1.5.1	Asphalt Tack Coat	Square Metres	110		
32 12 16 - Hot-Mix Asphalt Concrete Paving						
4.7	1.5.1, 1.5.2	Machine Laid - Upper Course 50mm Thick	Square Metres	180		
4.8	1.5.1S, 1.5.2, 1.5.3	Machine Laid - Lower Course 50mm Thick	Square Metres	50		
32 17 23 - Painted Pavement Markings						
4.9	1.5.2, 1.5.3S	Permanent Thermoplastic Pavement Markings	Lump Sum	1		
32 91 21 - Topsoil and Finish Grading						
4.10	1.4.1S	Boulevard & Median Planting Median (Varying Thickness)	Cubic Metre	10		
4.11	1.4.1S	Boulevard Topsoil (150mm Thickness)	Square Metres	80		
4.12	1.4.1S	Structural Soil (100mm thickness)	Cubic Metre	10		
32 92 20 - Seeding						
4.13	1.8.1S	Seeding	Square Metres	100		
DIVISION 33 - Utilities						
33 40 01 - Storm Sewers Open Trenching						
5.1	1.6.5	Catch basin Lead PIPE DIA. 150mm SDR28 PVC	Lineal Metres	4		
33 44 01 - Manholes and Catch basins						
5.2	1.5.4	Remove Existing Catch basins c/w cap of Existing Lead - offsite Disposal	Each	2		
5.3	1.5.2	New Catch basin as per ToE-SD-S11.1	Each	2		
DIVISION 34 - TRANSPORTATION						
34 41 13 - Traffic Signals						
6.1	26 56 01 1.9.1 / 34 41 13 1.9.2	Craigflower Road at Aral Road	Lump Sum	1		
6.2	26 56 01 1.9.1 / 34 41 13 1.9.2	Craigflower Road at Dellwood Road	Lump Sum	1		
6.3	26 56 01 1.9.1 / 34 41 13 1.9.2	Craigflower Road at Garthland Road (OPTIONAL)	Lump Sum	1		
6.4	26 56 01 1.9.1 / 34 41 13 1.9.2	Craigflower Road at Forshaw Road (OPTIONAL)	Lump Sum	1		
6.5	26 56 01 1.9.1 / 34 41 13 1.9.2	1115 Craigflower Road	Lump Sum	1		

ITEM	SSMP REF.	DESCRIPTION	Unit	Est. Qty.	Unit Price	Amount
6.6	26 56 01 1.9.1 / 34 41 13 1.9.2	Craigflower Road at Arcadia Street (OPTIONAL)	Lump Sum	1		
6.7	1.9.4S	Remove Existing Sign and Dispose offsite	Each	4		
6.8	1.9.4S	Remove Existing Sign and Post and Dispose offsite	Each	7		
6.9	1.9.4S	Install Sign on New or Existing Post	Each	1		

APPENDIX 3
EXPERIENCE OF SUPERINTENDENT

(SEE PARAGRAPH 5.3.3 OF THE INSTRUCTIONS TO TENDERERS – PART II)

Name: _____

Experience:

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

Dates: _____

Project Name: _____

Responsibility: _____

References: _____

APPENDIX 4
COMPARABLE WORK EXPERIENCE
 (SEE PARAGRAPH 5.3.4 OF THE INSTRUCTIONS TO TENDERERS – PART II)

PROJECT	OWNER / CONTACT NAME	PHONE NUMBER	WORK DESCRIPTION	VALUE (\$)

APPENDIX 5
SUBCONTRACTORS

(SEE PARAGRAPH 5.3.5 OF THE INSTRUCTIONS TO TENDERERS – PART II)

TENDER ITEM	TRADE	SUBCONTRACTOR NAME	PHONE NUMBER

(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 _____, 20_____.

Esquimalt Road – Active Transportation Improvements & Underground Utility Renewals and Craigflower Road

Contract: **Crosswalk Upgrades**
(TITLE OF CONTRACT)

Reference No.: **ENG 25-02**
(OWNER'S CONTRACT REFERENCE NO.)

BETWEEN:

The _____ Corporation of the Township of Esquimalt
(NAME OF OWNER)
(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 | 1.1 | The <i>Contractor</i> will perform all <i>Work</i> and provide all labour, equipment and material and do all things strictly as required by the <u>Contract Documents</u> . |
| | 1.2 | The <i>Contractor</i> will commence the <i>Work</i> in accordance with the <u>Notice to Proceed</u> . 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 <u>Contract Documents</u> and will achieve <u>Substantial Performance</u> of the <i>Work</i> on or before <u>November 15, 2025</u>
(INSERT DATE OF SUBSTANTIAL PERFORMANCE) |

subject to the provisions of the Contract Documents for adjustments to the Contract Time.

Article 2 **Contract Documents**

- 1.3 Time shall be of the essence of the *Contract*.
- 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:
- 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
 - c) 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 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.

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 Township of Esquimalt

1229 Esquimalt Road

Esquimalt, BC V9A 3P1

Email: charles.davie@esquimalt.ca

Attention: Charles Davie

The *Contractor*:

Email:

Attention:

The *Contract Administrator*:

ISL Engineering and Land Services Ltd.

1051 Vancouver Street

Victoria, BC V8V 3K3

Email: bormiston@islengineering.com

Attention: Brad Ormiston, ASCT

- 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

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER ROAD		
UNIT		FORM OF AGREEMENT
PRICE		
CONTRACT	FORM OF AGREEMENT	PAGE 4 OF 8

- b) immediately upon transmission if sent by fax and received in hard copy; 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 is received in hard copy.

Article 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*, 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 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 the day and year first written above.

Contractor:

(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

Owner:

THE CORPORATION OF THE TOWNSHIP OF ESQUIMALT
(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

(INCLUDE IN LIST ALL DOCUMENTS INCLUDING, IF ANY, SUPPLEMENTARY GENERAL CONDITIONS,

SUPPLEMENTARY SPECIFICATIONS, SUPPLEMENTARY STANDARD DETAIL DRAWINGS.)

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 2019. All sections of this publication are included in the Contract Documents.

1. Agreement, including all Schedules;
2. Supplementary General Conditions;
3. General Conditions*;
4. Supplementary Standard Detail Drawings;
5. Supplementary Specifications;
6. Specifications*;
7. Standard Detail Drawings*;
8. Executed Form of Tender, including all Appendices;
9. Contract Drawings listed in Schedule 2 to the Agreement – “List of Contract Drawings”;
10. Instructions To Tenderers - Part I;
11. Instructions to Tenderers - Part II*;
12. The following Addenda:

(ADDENDA, IF ANY)

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER		
ROAD		
UNIT	FORM OF AGREEMENT	FORM OF AGREEMENT
PRICE		
CONTRACT	FORM OF AGREEMENT	PAGE 6 OF 8

(COMPLETE LISTING OF ALL DRAWINGS, PLANS AND SKETCHES WHICH ARE TO FORM A PART OF THE CONTRACT, OTHER THAN STANDARD DETAIL DRAWINGS AND SUPPLEMENTARY STANDARD DETAIL DRAWINGS.)

SCHEDULE 2 – LIST OF CONTRACT DRAWINGS

Esquimalt Road – Project 01		
SHEET NO.	DRAWING TITLE	DRAWING DESCRIPTION
00	COVER	COVER
01	GENERAL NOTES	GENERAL NOTES
02	LEGEND	LEGEND
03	ROADWORK	STA 10+000 TO STA 10+110
04	ROADWORK	STA 10+110 TO STA 10+270
05	ROADWORK	STA 10+270 TO STA 10+420
06	ROADWORK	STA 10+420 TO STA 10+570
07	ROADWORK	STA 10+570 TO STA 10+720
08	ROADWORK	STA 10+720 TO STA 10+870
09	ROADWORK	STA 10+880 TO STA 11+020
10	ROADWORK	STA 11+020 TO STA 10+200
11	CIVIL DETAILS	TYPICAL DETAILS
12	CIVIL DETAILS	TYPICAL SECTIONS
13	CIVIL DETAILS	MMCD SUPPLEMENTALS
14	CIVIL DETAILS	MMCD SUPPLEMENTALS
15	CIVIL DETAILS	CURB RETURNS
E01	ELECTRICAL	NOTES AND LEGEND
E02	ELECTRICAL	SITE PLAN ENLARGEMENT - LAMPSON STREET AT ESQUIMALT ROAD
E03	ELECTRICAL	ELEVATIONS - LAMPSON STREET AT ESQUIMALT ROAD
E04	ELECTRICAL	SITE PLAN ENLARGEMENT - MACAULAY STREET AT ESQUIMALT ROAD
E05	ELECTRICAL	ELEVATIONS - MACAULAY STREET AT ESQUIMALT ROAD
E06	ELECTRICAL	SITE PLAN ENLARGEMENT - HEAD STREET AT ESQUIMALT ROAD
E07	ELECTRICAL	ELEVATIONS - HEAD STREET AT ESQUIMALT ROAD
E08	ELECTRICAL	SITE PLAN ENLARGEMENT - 848 ESQUIMALT ROAD
E09	ELECTRICAL	ELEVATIONS - 848 ESQUIMALT ROAD
E10	ELECTRICAL	SITE PLAN ENLARGEMENT - DUNSMUIR ROAD AT ESQUIMALT ROAD
E11	ELECTRICAL	ELEVATIONS - DUNSMUIR ROAD AT ESQUIMALT ROAD

Craigflower Road – Project 02		
SHEET NO.	DRAWING TITLE	DRAWING DESCRIPTION
00	COVER	COVER
01	GENERAL NOTES	GENERAL NOTES
02	ROADWORKS	ARAL ROAD
03	ROADWORKS	DELLWOOD ROAD
04	ROADWORKS	1115 CRAIGFLOWER ROAD
05	TYPICAL DETAIL	CIVIL DETAIL
E01	ELECTRICAL	NOTES AND LEGEND
E02	ELECTRICAL	SITE PLAN ENLARGEMENT - CRAIGFLOWER ROAD AT ARAL ROAD
E03	ELECTRICAL	ELEVATIONS - CRAIGFLOWER ROAD AT ARAL ROAD
E04	ELECTRICAL	SITE PLAN ENLARGEMENT - CRAIGFLOWER ROAD AT DELLWOOD ROAD
E05	ELECTRICAL	ELEVATIONS - CRAIGFLOWER ROAD AT DELLWOOD ROAD
E06	ELECTRICAL	SITE PLAN ENLARGEMENT - CRAIGFLOWER ROAD AT GARTHLAND ROAD
E07	ELECTRICAL	ELEVATIONS - CRAIGFLOWER ROAD AT GARTHLAND ROAD
E08	ELECTRICAL	SITE PLAN ENLARGEMENT - CRAIGFLOWER ROAD AT FORSHAW ROAD
E09	ELECTRICAL	ELEVATIONS - CRAIGFLOWER ROAD AT FORSHAW ROAD
E10	ELECTRICAL	SITE PLAN ENLARGEMENT - 1115 CRAIGFLOWER ROAD
E11	ELECTRICAL	ELEVATIONS - 1115 CRAIGFLOWER ROAD
E12	ELECTRICAL	SITE PLAN ENLARGEMENT - CRAIGFLOWER ROAD AT ARCADIA STREET
E13	ELECTRICAL	ELEVATIONS - CRAIGFLOWER ROAD AT ARCADIA STREET

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER		
UNIT	ROAD	FORM OF AGREEMENT
PRICE		
CONTRACT	FORM OF AGREEMENT	PAGE 8 OF 8

The above drawings are supplemented by the below listed standard detail drawings included with the specifications as follows:

SUPPLEMENTAL DETAIL DRAWINGS	
Drawing Number	Title
TOE-SD-C2.1	CONCRETE SIDEWALK
TOE-SD-C7.1	TYPICAL DRIVEWAY CROSSING
TOE-SD-C7.2	TYPICAL DRIVEWAY CROSSING CROSS SECTION
TOE-SD-C9.1	DOUBLE WHEELCHAIR RAMPS (PREFERRED)
TOE-SD-C9.2	SINGLE RADIAL WHEELCHAIR RAMP
TOE-SD-C9.3	SINGLE DIRECTIONAL WHEELCHAIR RAMP
TOE-SD-C9.4	T - INTERSECTION/MID-BLOCK WHEELCHAIR RAMP
TOE-SD-C16	SIGN POST SLEEVE
TOE-SD-G5.1R	PAVEMENT RESTORATION
TOE-SD-S7a	SANITARY AND STORM SEWER SERVICES
TOE-SD-S9a	INSPECTION CHAMBER FOR 100 TO 200 DRAIN & SEWER CONNECTION
TOE-SD-S11.1	TOP INLET CATCH BASIN
COV-SD-S11b	SIDE-INLET CATCH BASIN DETAIL
COV-SD-S19	GUTTER CATCH BASIN FRAME & COVER
COV-SD-S20	SIDE-INLET DETAIL
R-7301	RELIANCE FOUNDARY BOLLARD COVER
TBOS-BT/TBOS-BT-LT	RAIN BIRD BLUETOOTH BATTERY OPERATED CONTROLLER
ZELT EVO	ECO COUNTER INSTALLATION GUIDE
COV-SD-C4.5	CURBS CONCRETE CURB TYPE E

MMCD Supplementary Specifications and requirements are supplemental to the "Master Municipal Construction Documents – General Conditions, Specifications and Standard Detail Drawings".

In cases of conflict, the order of precedence for specifications and standards is as per the Supplementary General Conditions, Section 2.2.4, Document Hierarchy.

ToE – SUPPLEMENTARY GENERAL CONDITIONS			
– Revise the following MMCD Master Municipal General Conditions			
GC 2.0 Documents	2.2.4	Document Hierarchy	<p>Replace Section (1) with the following:</p> <p>“The Contract Documents shall govern and take precedence in the following order with the Agreement taking precedence over all other Contract Documents:</p> <ul style="list-style-type: none"> a) Agreement b) Addenda c) Supplementary General Conditions d) General Conditions e) Supplemental Detail Drawings f) Supplementary Specifications g) Specifications h) Drawings listed in Schedule 2 to the Agreement i) Standard Detail Drawings j) Executed Form of Tender k) Instructions to Tenderers l) All other Contract Documents.”
GC 4.0 Contractor	New 4.6.1.1	Construction Schedule	<p>“The Contractor shall schedule and coordinate construction activities:</p> <ul style="list-style-type: none"> • Noise Bylaw: Follow Maintenance of Property, Unsightly Properties and Nuisance Bylaw. • Capital Project Coordination: Contractor shall coordinate with other Township led initiatives and third-party contractors. • Development Activity Coordination: Construction activity from other development projects on the corridor that may commence/be active during the construction period. <p>Special Events: Accommodate occasional special events by providing public access and/or minimizing excessive noise, safety concerns caused by construction. This may include securing and cleaning work area (if required).</p>
GC 4.0 Contractor	New 4.6.1.2	Construction Schedule	<p>“The contractor shall provide bi-weekly schedule updates that include the following:</p> <p>A summary of current and completed activities of the previous 2 week period, and upcoming work or activities in each block or intersection for the following 2 week period. These schedules will be used to improve coordination and provide updates to stakeholders and the general public.”</p>
	4.6	Construction Schedule	<p>Amend 4.6.2 by deleting: “monthly” and substituting “monthly or within such shorter time as specified in the <i>Contract Documents</i>”.</p>
GC 18.0 Payment	18.5	Payment	<p>Delete GC 18.5.1 and replace with: “the Owner shall make payment within thirty calendar (30) days of receipt of payment certificate from the <i>Contract Administrator</i>. The actual amount paid is subject to the <i>Owner’s</i> rights under law or this <i>Contract</i> to make deductions.”</p>

GC 27.0 Archaeology	New 27.1.1	Archaeology	"Any archaeological materials discovered by the <i>Contractor</i> shall, as between the <i>Owner</i> and the <i>Contractor</i> , be deemed to be the absolute property of the <i>Owner</i> ".
	New 27.1.2		"The <i>Contractor</i> shall immediately advise the <i>Contract Administrator</i> of the discovery by the <i>Contractor</i> of any archaeological materials and take all reasonable precautions to protect and preserve same".
	New 27.1.3		"The Contractor will be required to undergo a brief (1 hour) Archaeological Awareness Training session with the Township of Esquimalt prior to excavation activities. The contractor shall follow chance find management procedures outlined by the archaeologist in the Archaeological Awareness Training session and provide the archaeologist access as a guest to the site for review as needed."
	New 27.1.4		"If and suspected archaeological materials (e.g. artifacts) or feature (e.g. hearths) are exposed, construction work in proximity to the find must cease and the Owner must be notified and a professional archaeologist must be involved. In the event of work stoppage due to an archeological find, the contractor shall make every effort to shift work to other areas of the site. Contractors shall track the time required to shift the work under GC Article 37 Force Account Work and if critical path items are delayed then this shall be dealt with through GC Article 39 Delays."
GC 28.0 Wages	New 28.1	Wages	"Where applicable, the <i>Contractor</i> and all subcontractors shall provide wages that are at least equal to those paid by The Township when work of a similar or same nature is performed. See Schedule A for the most current collective agreement."

TOWNSHIP OF ESQUIMALT - SUPPLEMENTARY SPECIFICATIONS

Revise the following MMCD Specifications 2019 Edition

DIVISION 1 - GENERAL REQUIREMENTS			
SECTION	SUB SECTION	TITLE	SUPPLEMENTARY SPECIFICATION
01 10 00SS		General Requirements	
	1.0	General	Add Clause 1.1: "Section 01 10 00SS addresses additional measurement and payment clauses which do not apply to other specification sections."
	1.2	Payment	Add Clause 1.1: " .1 Payment shall be based on the Lump Sum bid in the Schedule of Quantities and Unit Prices as measured and accepted by the Contract Administrator. Payment shall be accepted as full compensation for everything furnished and done. .2 Payment of the lump sum bid will be paid in equal amounts each month. .3 The Contractor is responsible for all staking and survey layout and quantity calculations required for the completion of all Work, as shown on the Contract Drawings, and to affect incidental field adjustments. .4 The unit price bid shall include, but not be limited to: all survey layout, staking/nails, cross sections, grade sheets, calculations of volumes required for tender items, coordination required for the completion of the work, record survey, and all other work and materials incidental and necessary to complete the Work to provide a functional system. Survey layout shall include offset layout for concrete curb work within the roadway, layout nails for pavement markings (including all linework and symbols), and the proposed pavement limits sprayed out on site for review and confirmation by the Contract Administrator. Grade sheets, digital RAW (PNEZD format), and CAD file data are to be provided to the Contract Administrator 5 days prior to executing the work. .5 Any calculations necessary shall be performed by the Contractor and shall be provided to the Contract Administrator at any time upon request. Information shall include both text files and any CAD drawings."
01 52 01		Temporary Structures	
	1.1	Section Includes	Add Clause 1.1.4: "Mobilization/Demobilization."

	1.6	Payment	<p>Add Clause 1.6.2: "Payment for mobilization and demobilization shall include all the Contractor costs of mobilization at the beginning of the project and the cost of demobilization at the end of the project.</p> <ol style="list-style-type: none"> 1. Included in the mobilization are such items as bonding, insurance, permits, moving personnel, equipment and materials to the site, setting up temporary facilities and all preparation for performing the Work. 2. Included in demobilization are preparation and submission of record drawings, operation and maintenance manuals, removal of all personnel, equipment, temporary tape/paint, and materials and cleanup of the Site and the Work. 3. The lump sum price bid for this work shall be relative to the costs involved but shall not exceed ten percent of the Tender Price. 4. Payment shall be made as follows, as approved by the Contract Administrator: <ol style="list-style-type: none"> 1. 60% of the lump sum bid will be included in the first progress payment certificate. 2. 40% of the lump sum bid will be included in the final progress payment certificate. 5. The Contract Administrator may at their discretion authorize partial payment if mobilization or demobilization is not complete. 6. The cost of other items specified under General Requirements shall be considered incidental to the work and separate payment will not be made for any other items in the General Requirements unless specifically noted in the Schedule of Quantities and Prices."
	1.6	Payment	<p>Add clause 1.6.3: " Payment for soil testing will be made as a lump sum. Payment will include all equipment, materials, labor, and analysis necessary to meet the requirements of local disposal sites on Vancouver Island, as well as all applicable provincial regulations. The scope of testing must include all areas and work indicated on the contract drawings. Payment will be upon submitted results of the soil testing as approved by the Contract Administrator"</p>
01 53 01		Temporary Facilities	
	1.1	Section Includes	<p>Add Clause 1.1.5: "Temporary Utility Pole Support During Construction."</p>
	1.11	Temporary Utility Pole Support During Construction	<p>Add Clause 1.11: "Temporary Utility Pole Support During Construction."</p> <p>Add Clause 1.11.1: "Provide temporary support for Utility Poles (both power and communications) during construction as required to allow for work adjacent to poles."</p> <p>Add Clause 1.11.2: "Contractors working on utility poles must be able to perform switching on the BC Hydro system."</p>
	1.9	Payment	<p>Add Clause 1.9.2:"Payment for all work related to the management of sanitary flows (noise attenuating by-pass pumping isolation, blocking, diverting, etc.) including preparation of a approved bypass plan, and the supply installation, maintenance and removal of the temporary system. The Contractor will be entitled to 50% of the payment item on the first progress payment after the bypass system is in place and 50% on the first progress payment following dismantling and removal of the bypass system."</p>
01 55 00		Traffic Control, Vehicle Access and Parking	
	1.5	Payment	<p>Add Clause 1.5.2: "Payment for traffic control will be progressed monthly using a percentage based on the overall completion of the project as determined by the Contract Administrator."</p>

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER ROAD		
UNIT		SS
PRICE		
CONTRACT	SUPPLEMENTARY SPECIFICATIONS	PAGE 3 OF 7

DIVISION 3 - CONCRETE			
03 20 01		Concrete Reinforcement	
	1.5	Measurement and Payment	Add Clause 1.5.2: "Payment will be made per square metre of welded mesh wire installed and accepted. Payment will be made only for work directed in writing by the Contract Administrator. The unit price shall be full compensation for all labour, equipment, materials, and incidentals required to complete the work."
	3.1	Placing Reinforcement	Add Clause 3.1.3: "Install welded mesh wire at locations and to dimensions as directed by the Contract Administrator, ensuring a minimum clear cover of 50 mm from all exposed surfaces unless otherwise noted on the drawings or directed by the Contract Administrator. Secure the mesh firmly in place using appropriate fasteners, supports, or chairs to maintain the specified position and clear cover during concrete placement, and ensure all edges are properly finished and safe."
03 30 20		Concrete Walks, Curbs and Gutter	
	1.4	Measurement and Payment	Delete Clause 1.4.2
	1.4	Measurement and Payment	Revise Clause 1.4.3 to read: "Payment for hand formed or machine placed concrete curbs and gutters includes the supply and placing of concrete curbs and gutters, granular base, granular subbase and will cover all straight and curved sections and will be made separately for each specified type. Granular base and subbase is to extend 300mm beyond toe of curb and back of curb as shown on the contract drawings."
	1.4	Measurement and Payment	Revise Clause 1.4.5 to read: "Payment for infill concrete sidewalks, ramps, and medians includes the supply and placing of concrete, granular base, granular subbase and will cover all straight and curved sections and will be made separately for each specified type as shown on the contract drawings. Granular base and subbase is to extend 300mm beyond toe of curb and back of curb as shown on the contract drawings."
	1.4	Measurement and Payment	Revise Clause 1.4.6: Replace "Standard Detail Drawing C7" with "Township of Esquimalt Standard Detail Drawing TOE-SD-C7.1"
	1.4	Measurement and Payment	Add Clause 1.4.12: "Payment for raised concrete medians where shown on the Contract Drawings includes all removals incidental to the works, supply and placing of the concrete, reinforcing, grout, and granular base under raised concrete medians and will be made on a square meter basis separately for each specified thickness and type as determined, measured, and accepted by the Contract Administrator."
	3.1	Subgrade Preparation	Add Clause 3.1.3: "Provide the contract administrator with survey layout and grade sheets five (5) days in advance of construction. Layout nails for curb and gutter are to be on the roadway side of curb at a distance offset the proposed curb line to enable field reviews of the sub-grade preparation."
	3.4	Inspection	Revise Clause 3.4.1 to Read: "One day prior to formwork or stringline setup, review layout nails and grade sheets to ensure that prep work is properly set at the required the horizontal and vertical alignments. Immediately prior to placement of concrete, carefully inspect all formwork to ensure forms are properly set at required horizontal and vertical alignment, sufficiently rigid, clean, surface treated and ready for placement of concrete. Obtain Contract Administrator's approval of formwork and or stringline and compacted base."
03 40 01		Pre-Cast Concrete	
	1.4	Measurement and Payment	Revise clause 1.4.4 to read: "Payment for precast concrete curbs (Sanderson curbs) includes supply, delivery, placement (including pinning with 20M rebar) at locations shown on the contract drawings. The unit price also includes all required layout to the satisfaction of the Contract Administrator prior to placement, as well as the provision and application of sacrificial white line paint for curb alignment. Payment includes standard and bull nose end sections"

ENG 25-02			
PROJECT 1: TOE ESQUIMALT ROAD			
PROJECT 2: TOE CRAIGFLOWER ROAD			
UNIT			SS
PRICE			
CONTRACT		SUPPLEMENTARY SPECIFICATIONS	PAGE 4 OF 7

	1.4	Measurement and Payment	Revise clause 1.4.5 to read: Payment for the relocation, removal, and either off-site disposal or delivery of precast Sanderson curbs to the Township of Esquimalt Public Works Yard, as directed by the Contract Administrator, includes all equipment, materials, and labour required for the work. This includes the removal or relocation of precast Sanderson curbs, removal of any pinned rebar, and filling of holes left from the rebar with non-expanding grout. Payment will be made only for work involving the use of lifting and/or transportation equipment; no payment will be made for short-distance relocation by pushing with machinery available on site.
	3.0	Execution	Add clause 3.1.3: "The Contractor shall install layout nails at the start and end points of all precast concrete barriers, as shown on the Contract Drawings. The Contractor shall submit the layout RAW data for these nails to the Contract Administrator not less than five (5) days prior to the application of sacrificial pavement markings. The Contractor shall apply a sacrificial white paint line on the pavement surface between the start and end nails of each barrier set, to delineate the proposed barrier alignment. The sacrificial white line shall remain in place for a minimum of five (5) days prior to the installation of the precast barriers, or as directed by the Contract Administrator. All layout and marking shall be completed to the satisfaction of the Contract Administrator."
DIVISION 31 - EARTHWORK			
31 11 01		Clearing and Grubbing	
	1.4	Measurement and Payment	Revise clause 1.4.1 to read: "Payment for all clearing and grubbing items includes the removal and disposal of all branches, stumps, timber, shrubs, bushes, small trees, and other vegetation remains. Payment also includes the salvage and delivery of any irrigation components designated for reuse to the Township of Esquimalt Public Works Yard."
31 24 13		Roadway Excavation, Embankment and Compaction	
	1.8	Measurement and Payment	<p>Delete Clause 1.8.5 and replace with the following: "Payment for common excavation includes: saw cutting of asphalt and concrete surfaces; removal of existing pavements, concrete road base, curbs, curbs and gutters, sidewalks, utilities strips, and driveways which are removed as part of the operation for common excavation.</p> <p>Measurement for common excavation:</p> <ol style="list-style-type: none"> 1. In-place volume will be calculated for payment from cross-sections at sufficient and equal intervals taken by Contract Administrator in areas of excavation. 2. Initial cross-sections will be taken after clearing and grubbing and stripping of topsoil, and immediately prior to excavation. 3. Final cross-sections will be taken upon completion of excavation to lines and levels required prior to placing of other materials over the excavated surface. 4. Payment for on-site re-use includes compaction of the re-used materials. 5. Removal of existing asphalt and concrete pavement, sidewalks and driveways will be per m2 of material removed regardless of thickness. Removal extents to be approved by the Contract Administrator prior to commencing work. 6. Payment for removal of existing pavements, concrete road base, sidewalks, driveways which are removed for the installation of curb and gutter, electrical, water, sanitary, and storm utilities as shown on Contract Drawings will be made by area. 7. Excavation of softscape areas will be per cubic meter and measured by neat line, calculated by multiplying the excavation area by the required excavation depth. 8. Removal of existing concrete curb and gutter will be measured and paid per linear meter of curb and gutter removed. Including the removal and disposal of both reinforced and unreinforced concrete. The extent of curb and gutter removal must be reviewed and agreed upon with the Contract Administrator prior to commencing the work.

ENG 25-02		
PROJECT 1: TOE ESQUIMALT ROAD		
PROJECT 2: TOE CRAIGFLOWER ROAD		
UNIT		SS
PRICE		
CONTRACT	SUPPLEMENTARY SPECIFICATIONS	PAGE 5 OF 7

			All removed materials shall be disposed of off-site at a location arranged by the Contractor 9. Removal of components noted on the contract drawings will be paid by lump sum and include all disposal or identified delivery costs."
	1.8	Measurement and Payment	Clause 1.8.7 delete: "will be based on weigh tickets provided to Contract Administrator as loads are" replace with: "will be based on cubic metres of compacted material "
DIVISION 32 - ROAD AND SITE IMPROVEMENTS			
32 01 11		Pavement Surface Cleaning and Removal of Pavement Markings	
	1.2	Measurement and Payment	Revise clause 1.2.3 to read: " Payment for removal of pavement markings will be made as a lump sum for the complete removal of all permanent pavement markings within the areas shown on the Contract Drawings. Removal shall be carried out by hydro blasting. The Contractor shall confirm the removal of all pavement markings to the satisfaction of the Contract Administrator prior to the commencement of removal."
32 01 16.7		Cold Milling	
	1.5	Measurement and Payment	Add to the end of clause 1.5.1: " Payment shall include profile milling as required to ensure positive drainage to curb lines and drainage inlets, including milling over the existing gutterpan where necessary to achieve proper grades and surface continuity."
32 11 23		Granular Base	
	1.4	Measurement and Payment	Revise Clause 1.4.1 to read: "Granular base for sidewalk, walkway and concrete curb and gutters is included in payment under Section 03 30 20 - Concrete Walks, Curbs and Gutters. Measurement for granular base of variable compacted thickness between 100mm and 150mm will be for actual compacted area placed as approved by the Contract Administrator. "
32 12 16		Hot-Mix Asphalt Concrete Paving	
	1.5	Measurement and Payment	Revised Clause 1.5.1 to read: "Payment for asphaltic concrete paving includes all construction joint preparation, supply and placing of the asphaltic concrete, compaction, adjusting and cleaning of frames, covers and lids of all castings affected and taped temporary pavement markings. Measurement for asphaltic concrete paving will be by square meter of actual placed material as approved by the contract administrator."
	1.5	Measurement and Payment	<p>Revised Clause 1.5.3 to read: " Payment for asphaltic concrete sidewalks, driveways, in-fill strips, and specified permanent patching paving includes all construction joint preparation, supply and placing of the asphaltic concrete, compaction, and adjusting and cleaning frames, covers, and lids of all castings affected. For driveways, payment also includes the supply, placement, and compaction of 50–100 mm of granular base beneath the asphaltic concrete.</p> <p>Measurement for asphaltic concrete sidewalks, driveways, in-fill strips, and specified permanent patching will be made separately for each of the specified thicknesses, which may be checked by the Contract Administrator as given in 1.5.2 of this Section.</p> <ol style="list-style-type: none"> 1. If thickness is less than that specified, the Contract Administrator may require an overlay to be placed in deficient areas with no additional payment for the overlay and any other work necessary to place such overlay. 2. If thickness is less than specified, the Contract Administrator may calculate the amount of asphaltic concrete deficiency and, for payment purposes, reduce the item amount pro-rata accordingly. 3. If thickness is greater than specified, the Contract Administrator may accept the work, if the excess thickness is acceptable, or may require the work to be removed and replaced with appropriate thickness, all without additional payment."

ENG 25-02
PROJECT 1: TOE ESQUIMALT ROAD
PROJECT 2: TOE CRAIGFLOWER
ROAD
SUPPLEMENTARY SPECIFICATIONS

UNIT
PRICE
CONTRACT

SS
PAGE 6 OF 7

32 14 01		Unit Paving	
	1.6	Measurement and Payment	Revise clause 1.6.3 to read: Payment for unit paving includes edge restraints, granular laying course, and various unit pavers to provide the patterns shown in the Contract Drawings.
32 17 23		Painted Pavement Markings	
	1.5	Measurement and Payment	Revise clause 1.5.3 "Payment shall include all survey layout for pavement markings, including those to be installed using methyl methacrylate (MMA) and all markings requiring stencils. The Contractor shall provide the proposed layout to the Contract Administrator for approval not less than five (5) days prior to installation."
32 31 13		Chain Link Fences & Gates	
	1.5	Measurement and Payment	Add clause 1.5.5: "Payment for installation of bollards includes supply, install, and all labour, equipment and material required to install the material where shown on the Contract Drawings and per the manufacturers recommendations. Payment will be made for each complete item of each type installed."
	1.5	Measurement and Payment	Add clause 1.5.6: "Payment for the removal and offsite disposal of metal guard rail and wooden posts shall be made per linear metre of guard rail removed. The unit price shall include all labour, equipment, materials, and restoration of disturbed areas, including sidewalk, to original condition or better. No separate payment will be made for disposal or restoration."
32 91 21		Topsoil and Finish Grading	
	1.4	Measurement and Payment	Revised Clause 1.4.1 to read: "Payment for growing medium and imported topsoil will be made separately for each type of growing medium and imported topsoil specified, and includes supply of materials, on-site handling, placement to thickness specified, application of fertilizers and finished grading. Payment for growing medium and topsoil will be made by actual area placed and compacted by landscape roller to the specified thickness as approved by the Contract Administrator."
32 92 19		Hydraulic Seeding	
	1.8.1	Measurement and Payment	Add to the end of Clause 1.8.1: "Hydraulic seeding to conform to the Township's specifications and as outlined on the contract drawings general notes."
DIVISION 33 - UTILITIES			
33 01 30.2		Cleaning of Sewers	
	1.5	Measurement and Payment	Revised Clause 1.5.4 to read: "Root cutting will be measured in lineal metres of pipe requiring root removal. Payment will be made at the unit price bid in the Form of Tender. Measurement will be determined by the length of pipe, as shown on the Contract Drawings or as directed by the Contract Administrator, where root cutting is performed."
33 30 01		Sanitary Sewers	
	1.6	Measurement and Payment	Revised Clause 1.6.2 to read: "Payment for sanitary sewer includes saw cutting pavement, trench excavation, removal and disposal of existing sanitary pipe, disposal of surplus excavated material, supply and installation of all pipe, fittings and related materials, bedding, imported or native backfill as shown on Contract Drawings, cleaning, flushing and testing, all surface restoration as specified under Section 31 23 01 Excavating, Trenching and Backfilling – 3.6 except permanent pavement restoration, and all other work and materials necessary to complete installation as shown on Contract Drawings and specified under this Section. Measurement will be made horizontally from manhole centreline to manhole centreline over surface after work has been completed."
33 44 01		Manholes and Catch basins	
	1.5	Measurement and Payment	Add clause 1.5.7: Payment for abandoning existing catch basins and manholes will be made per each unit, as shown on the Contract Drawings or as directed by the Contract Administrator. The unit price shall include all labour, equipment, materials, and incidentals required to break out the catch

ENG 25-02			
PROJECT 1: TOE ESQUIMALT ROAD			
PROJECT 2: TOE CRAIGFLOWER			
UNIT		ROAD	SS
PRICE			
CONTRACT		SUPPLEMENTARY SPECIFICATIONS	PAGE 7 OF 7

			basin base and walls as necessary, remove and dispose of grates and frames, cap the existing lead, backfill and compact the excavation, and restore the surface to match existing conditions.
DIVISION 34 - TRANSPORTATION			
34 41 13		Traffic Signals	
	1.9	Measurement and Payment	Add Clause 1.9.4: "Payment for supply, relocation, and installation of traffic signs, sign posts, bases, and sleeves will be made per each as shown on the Contract Drawings. "