

Church Road Improvements – Sooke Road to Wadams Way

TENDER DOCUMENTS

File: 2241-20128-00 May 2021



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Invitation to Tenderers

Instructions to Tenderers – Part I Instructions to Tenderers – Part II (Separate Cover, Refer to MMCD Platinum Edition, Vol. II)

Form of Tender

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General Conditions (Separate Cover, Refer to MMCD Platinum Edition Volume II)

Supplementary General Conditions

Specifications (Separate Cover, Refer to MMCD Platinum Edition, Volume II)

Supplementary Specifications

Separate Cover – District of Sooke Bylaw 404, Subdivision and Development Standards Bylaw

Standard Detail Drawings (Separate Cover, Refer to MMCD Platinum Edition, Volume II)

INVITATION TO TENDERERS

PAGE 1 OF 1 2021

Owner:	District Of Sooke						
	(NAME OF OWNER)						
Contract:	Church Road Improveme	nts – Sooke Road to Wadams Way					
	(TITLE OF CONTRACT)						
Reference No.:	2241-20128-00						
	(OWNER'S CONTRACT REFERENCE N	10.)					
The <i>Owner</i> invites tenders for:	Upgrades to Church Road from Sooke Road to Wadams Way						
	Infrastructure generally in	icludes removals, earthworks, road works, storm					
	sewer, street lighting and	landscaping.					
	(BRIEF DESCRIPTION OF THE WORK						
Digital (PDF) copies of the							
for no charge:	Through BC Bid website.						
-	v						
Tenders are scheduled to close:	Tender Closina Time:	2: 00 . ^p m local time					
	Tender Closing Date:	June 23 20 21					
		,					
	Address:	2205 Otter Point Road					
		Sooke, BC V9Z 1J2					
		Documents to be dropped off at front desk					
		(ADDRESS WHERE TENDERS MUST BE SUBMITTED)					
Name of <i>Owner's</i> Representative:	Jeff Carter						
	250-642-1631						
	(PHONE)						

Church Road Improvements –		
Sooke Road to Wadams Way		TABLE OF CONTENTS
Tender 20128-00		PAGE 1 OF 2
District of Sooke	INSTRUCTIONS TO TENDERERS – PART I	2021

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4.0	Supplemental Instructions to TenderersIT - 3

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(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:	District C	Vistrict Of Sooke				
		(NAME OF O	WNER)				
	Contract:	Church F	Road Improvements – Sooke Road to Wadams Way				
		(TITLE OF CO	INTRACT)				
	Reference No.:	2241–20	128-00				
		(OWNER'S C	UNIRACI REFERENCE NO.)				
1.0	Introduction	1.1	These Instructions apply to and govern the preparation of tenders for this <i>Contract</i> . The <i>Contract</i> is generally for the following work:				
			Upgrades to Church Road from Sooke Road to Wadams Way.				
			Infrastructure generally includes removals, earthworks, road works, underground utilities (storm sewer), street lighting and landscaping.				
			(BRIEF DESCRIPTION OF THE WORK)				
		1.2	Direct all inquiries regarding the <i>Contract</i> , to:				
			McElhanney Ltd.				
			Jon Irving, P.Eng., Engineering Division Manager				
			(NAME AND POSITION OF INDIVIDUAL WHO WILL ANSWER INQUIRIS)				
			Address:500 – 3960 Quadra Street				
			Victoria, BC				
			V8X 4A3				
			Phone: 250 252 - 5192				
			Email:				
2.0	Tender Documents	2.1	The tender documents which a tenderer should review to prepare a tender consist of all of the <i>Contract Documents</i> listed in Schedule 1 entitled				

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*".

Churc	h Road Improvemen	its –				
Sooke Tende	Road to wadams w r 20128-00	ау			PAGE IT - 2	
Distric	t of Sooke		INSTRUCTIONS	TO TENDERERS – PART I	2021	
		2.2	A portion of the these documents a Specifications the publication of the publication of the schedule of the Schedule of the Schedule of the the schedule of th	he <i>Contract Documents</i> are included by reference. ents have not been included with the tender package re the Instructions to Tenderers - Part II, General C s and Standard Detail Drawings. They are those co on entitled "Master Municipal Construction Doo ditions, Specifications and Standard Detail Drawin 1 to the Agreement or, if not specified in Schedule dition shall be the most recent edition as of the co ing Date. All sections of this publication are by the Contract Documents.	Copies of ge. These Conditions, Intained in cuments - Igs". Refer 1, then the late of the reference	
		2.3	Any additional information made available to tenderers prior to th <i>Closing Time</i> by the <i>Owner</i> or representative of the <i>Owner</i> , geotechnical reports or as-built plans, which is not expressly in Schedule 1 or Schedule 2 to the Agreement, is not included in the <i>Documents</i> . Such additional information is made available on assistance of tenderers who must make their own judgment reliability, accuracy, completeness and relevance to the <i>Contu</i> neither the <i>Owner</i> nor any representative of the <i>Owner</i> gives any g or representation that the additional information is reliable, a complete or relevant.			
3.0	Submission of Tenders	3.1	Tenders mus with the abov the office of:	at be submitted in a sealed envelope, marked on t ve <i>Contract</i> Title and Reference No., and must be re	he outside eceived by	
			Jeff Carter, D	Director of Operations		
			(TITLE OF POSITION	1)		
			on or before: <u>Tender Clos</u> Tender Clos	<i>ing Time</i> : <u>2: 00</u> , <u>p</u> m local <i>ing Date</i> : June 23 , 20 2	time 2021	
			at	District Of Sooke		
			Address:	2205 Otter Point Road		
			-	SOOKE, BC V9Z 1J2		
			_	Documents to be dropped off at front desk		
		3.2	Late tenders unopened.	will not be accepted or considered, and will be	e returned	

Churcl Sooke	h Road Improveme Road to Wadams V	ents – Vay	
Tende Distric	r 20128-00 t of Sooke	2	PAGE IT - 3 INSTRUCTIONS TO TENDERERS – PART I 2021
210110			
4.0 Supplemental Instructions to Tenderers		4.1	Freedom of Information: The District 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 District cannot guarantee that any information provided to the District can be held in confidence.
		4.2	Funding: Proceeding with an award of this tender may be subject to available funding.
		4.3	Award: The intent is to award the lowest bid price or bid prices but the lowest or any bid price will not necessarily be accepted. If the District elects to reject all bids, the District will not be liable to any bidder for any claims whether for costs incurred by any bidder in preparing the bid, damages, loss of anticipated profit in connection with the work, or any other matter whatsoever.
		4.4	Notice of Project: Submit to WorkSafe BC a completed Notice of Project, providing a copy to the District.
		4.5	Construction Traffic Management Plan: Submit to the Contract Administrator, prior to construction, a construction traffic management plan for review by the Contract Administrator and the Owner.
		4.6	Facsimile: Faxed amendments or revocations will not be accepted.
		4.7	Inquiries: All questions should be received at least 5 business days prior to the closing time and date.
		4.8	Working Hours: The Contractor is required to abide by the following working hours set out in the District of Sooke Noise Bylaw
		4.9	Important Dates:

- .1 The Last Addendum will be posted by the end of the day Friday June 18th 2021
- 4.10 **Superintendent:** The *Owner* reserves the right to object to the *Superintendent* listed in the tender. If the *Owner* objects to the *Superintendent* then the *Owner* will permit a tenderer to, within 5 days, propose a substitute *Superintendent* acceptable to the *Owner* provided that there is no resulting adjustment in the *Tender Price* or the completion date set out in paragraph 2.2 of the Form of Tender. A tenderer will not be required to make such a substitution and, if the *Owner* objects to a listed *Superintendent*, the tenderer may, rather than propose a substitute *Superintendent*, consider its tender rejected by the *Owner* and by written notice withdraw its tender. The *Owner* shall, in that event, return the tenderer's bid security.
- 4.11 **Schedule:** See critical dates in Appendix 2 of the Form of Tender

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:		District Of Sooke			
		(NAME OF OWNER)			
Contract:	-	Church Road Improvements – Sooke Road to Wadams Way (TITLE OF CONTRACT)			
Reference No.:	-	2241-20128-00 (OWNER'S CONTRACT REFERENCE NO.)			
To Owner:					
WE, THE UNDERSIGNED: 1.1		have received and carefully reviewed all of the <i>Contract Documents</i> , including the Instructions to Tenderers, the specified edition of the "Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings" and the following Addenda:			
		(ADDENDA, IF ANY)			
	1.2	have full knowledge of the Place of the Work, and the Work required; and			
	1.3	have complied with the Instructions to Tenderers; and			
ACCORDINGLY WE HEREBY OFFER:	2.1	to perform and complete all of the <i>Work</i> and to provide all the labour, equipment and material all as set out in the <i>Contract Documents</i> , in strict compliance with the <i>Contract Documents</i> ; and			
	2.2	to achieve Substantial Performance of the Work on or before November 30 <u>, 2021;</u> and (WORK DURATION OR DATE)			
	2.3	to do the <i>Work</i> for the price, which is the sum of the products of the actual quantities incorporated into the <i>Work</i> and the appropriate unit prices set out in Appendix 1, the " <i>Schedule of Quantities and Prices</i> ", plus any lump sums or specific prices and adjustment amounts as provided by the <i>Contract Documents</i> . For the purposes of tender comparison, our offer is to complete the <i>Work</i> for the " <i>Tender Price</i> " as set out on 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</i> of <i>Quantities and Prices</i> are estimated, and that the actual quantities will vary.			

Church Road Improver Sooke Road to Wadams Tender 20128-00 District of Sooke	nents – s Way		For	M OF TENDER	Page 2 of 3 2021
WE CONFIRM:	4.1	that the	e followi	ng appendices are attached to and form a	part of this tender:
		4.1.1	the ap Tende	pendices as required by paragraph 5.3 o erers – Part II; and	f the Instructions to
		4.1.2	the <i>Bi</i> d Tende	<i>d Security</i> as required by paragraph 5.2 o erers – Part II.	f the Instructions to
WE AGREE:	5.1	that th for a p <i>Closin</i> by the (" <i>Notic</i>	is tende period o g Date a Owner e of Aw	r will be irrevocable and open for accepta f <u>60</u> calendar days from the day fo and Time, even if the tender of another te r. If within this period the <i>Owner</i> delive <i>ard</i> ") by which the <i>Owner</i> accepts our ten	ance by the <i>Owner</i> llowing the <i>Tender</i> enderer is accepted rs a written notice ider we will:
		5.1.1	within the Oเ	15 Days of receipt of the written Notice wner.	<i>of Award</i> deliver to
			.1	a Performance Bond and a Labour and Bond, each in the amount of 50% of the covering the performance of the Wo Contractor's obligations during the Ma issued by a surety licensed to carry of suretyship in the province of British C form acceptable to the Owner;	d Material Payment the Contract Price, ork including the aintenance Period, on the business of Columbia, and in a
			.2	a Baseline Construction Schedule, as 4.6.1;	s provided by GC
			.3	a "clearance letter" indicating that t Worksafe BC compliance; and	he tenderer is in
			.4	a copy of the insurance policies as s indicating that all such insurance cover	pecified in GC 24 age is in place and;
		5.1.2	within longer comm	2 <i>Days</i> of receipt of written " <i>Notice to</i> time as may be otherwise specified in the ence the <i>Work</i> ; and	Proceed", or such Notice to Proceed,
		5.1.3	sign th	ne Contract Documents as required by G0	C 2.1.2.
WE AGREE:	6.1	that, if paragr	we rece aph 5 o	eive written <i>Notice of Award</i> of this <i>Contra</i> f this Form of Tender, we:	act and, contrary to
		6.1.1	fail or 5.1.1 (refuse to deliver the documents as spec of this Form of Tender; or	cified by paragraph

Church Road Improvements –		
Sooke Road to Wadams Way Tender 20128-00		PAGE 3 OF 3
District of Sooke		FORM OF TENDER 2021
	6.1.2	fail or refuse to commence the <i>Work</i> as required by the <i>Notice to Proceed</i> ,
		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 <i>Bid Security</i> 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 <i>Tender Price</i> is less than the amount for which the <i>Owner</i> contracts with another party to perform the <i>Work</i> .
OUR ADDRESS IS AS		
	Phon	ne:
	Fax:	
	Atten	ition:
	emai	I:
	This T	ender is executed this
	<u> </u>	day of, 20
	Contra	actor:
	(FULL I	LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)
	(AUTHO	ORIZED SIGNATORY)
	(AUTHO	ORIZED SIGNATORY)

FORM OF TENDER

APPENDIX 1 – SCHEDULE OF QUANTITIES AND PRICES

Form of Tender - Appendix 1

SCHEDULE OF QUANTITIES AND PRICES (See paragraph 5.3.1 of the Instructions to Tenderers - Part II)

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

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.

Summary Sheet

Division 01:	General Requirements	\$
Division 03:	Concrete	\$
Division 26:	Electrical	\$
Division 31:	Earthworks	\$
Division 32:	Roads and Site Improvements	\$
Division 33:	Utilities	\$
Optional Items		\$

TOTAL TENDER PRICE	\$
GST (5%)	\$
TENDER PRICE plus GST	\$

	DIV 01	GENERAL REQUIREMENTS		-	-	
ltem No.	Section	Specification Title	Unit	Quantity	Unit Price	Amount
	01 10 00SS	Quality Control Testing				
1.01	1.1	Quality Control Testing	Lump Sum	1		
	01 10 00SS	Survey				
1.02	1.2	Layout Survey, Quantity Survey, Volume Calculations, and Record Survey	Lump Sum	1		
	01 52 01	Temporary Structures				
1.03	1.6.2SS	Mobilization & Demobilization	Lump Sum	1		
	01 55 00	Traffic Control, Vehicle Access and Parking				
1.04	1.4.14SS	Traffic Control, Vehicle Access and Parking	Lump Sum	1		
	01 57 01	Environmental Protection				
1.05	1.6.2SS	Environmental Protection and Plan	Lump Sum	1		
	01 58 01	Project Identification				
1.06	1.3.1	Project Identification	Lump Sum	1		
			Sub-T	otal	\$	

I	DIV 03	CONCRETE							
ltem No.	Section	Specification Title Unit Quantity Unit Price							
	03 30 20	Concrete Walks, Curb And Gutter							
3.01	1.4.2SS, 1.4.3SS	Concrete Curb and Gutter – Non-mountable Curb (NMC, including MC letdowns, regular gutter)	Lineal Metre	690					
3.02	1.4.5	Concrete Sidewalk, bus stop, infill strips, and pedestrian let- downs – Non-reinforced 100mm	Square Metre	667					
3.03	1.4.6SS	Concrete Driveway and Sidewalk Crossing – Non-reinforced 150mm	Square Metre	75					
3.04	1.4.6SS	Concrete Driveway and Sidewalk Crossing – Non-reinforced 200mm	Square Metre	58					
			Sub-1	「otal	\$				

SCHEDULE OF QUANTITIES AND PRICES

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DIV 26/34 ELECTRICAL		ELECTRICAL				
ltem No.	Section	Specification Title	Unit	Quantity	Unit Price	Amount
	26 56 01 34 41 13	Roadway Lighting / Traffic Signals				
26.01	1.9.2 1.9.4ss	Street Lighting & Flashers, incl. Removals – Complete As per AES drawings Including kiosk and stubs for BC Hydro connections	Lump Sum	1		
26.02		Relocate Existing Traffic Controller Kiosk	Lump Sum	1		
26.03		Crash Barrier at Existing Hydro Pole	Each	1		
			Sub-1	otal	\$	

DIV 31 EARTHW		EARTHWORKS				
ltem No.	Section	Specification Title	Unit	Quantity	Unit Price	Amount
	31 11 41	Shrub and Tree Preservation				
31.01	1.3.1	Shrub and Tree Preservation	Lump Sum	1		
	31 24 13 Roadway Excavation, Embankment and Compaction					
31.02	1.8.5	Asphalt, Concrete and Curb Removal – Dispose Offsite Thickness Varies	Square Metre	3665		
31.03	1.8.14SS 1.8.12	Common Excavation (neat line area to design subgrade) Dispose Offsite Includes stripping 0.3m depth in vegetated areas	Cubic Metre	1600		
31.04	1.8.7	Embankment Fill	Cubic Metre	250		
31.05	1.8.9	Subgrade Preparation Roads, curbs, sidewalks, ramps	Square Metre	5080		
31.06		Retaining Wall Relocation Removal and reconstruction	Lump Sum	1		
			Sub-1	Total	\$	

C	DIV 32	ROADS AND SITE IMPROVEMENTS							
ltem No.	Section	Specification Title	Specification Title Unit Quantity Unit Pr						
	32 11 16.1	Granular Sub-Base							
32.01	1.4.3	75mm minus pit run – 150 mm Thickness Roads	Square Metre	3790					
	32 11 23	Granular Base							
32.02	1.4.2	Granular Base 20mm – 150 mm Thickness Roads, asphalt driveways	Square Metre	4000					

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	32 12 16	Hot Mix Asphalt Concrete Paving			
32.03	1.5.1, 1.5.2SS	Asphalt Pavement – 50mm (Driveways, Ramps)	Square Metre	210	
32.04	1.5.1, 1.5.2SS	Asphalt Pavement – 75mm	Square Metre	3790	
32.05	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	125	
	32 17 23	Painted Pavement Markings			
32.06	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1	
32.07	1.5.3	Permanent Thermoplastic Pavement Markings	Lump Sum	1	
32.08	1.5.6ss	Relocate Existing Traffic Control Signs	Each	3	
	32 31 13	Chain Link Fences and Gates			
32.09	1.5.4ss	Handrail	Lineal Metres	4	
	32 91 21	Topsoil and Finish Grading			
32.10	1.4.1ss	Imported Topsoil – 150mm depth	Square Metre	172	
	32 92 23	Sodding			
32.11	1.8.1	Sod	Square Metre	172	
			Sub-1	otal	\$

	DIV 33	UTILITIES				
ltem No.	Section	Specification Title	Unit	Quantity	Unit Price	Amount
	33 11 01	Waterworks				
33.01		Relocate Existing Water Meter	Each	2		
33.02		Upgrade Existing Meter – Suitability Within Sidewalk	Each	1		
	33 30 01	Sanitary Sewers				
33.03	1.6.3 1.6.4	Sanitary Service – 150mm PVC SDR28 Including Inspection Chamber	Each	1		
	33 40 01	Storm Sewers				
33.04	1.6.9	Tie into Existing Manhole (Sooke Road)	Each	1		
33.05	1.6.1 1.6.2	Pipe – 300mm PVC SDR35, 0-4m depth, imported backfill	Lineal Metres	168		

SCHEDULE OF QUANTITIES AND PRICES

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33.06	1.6.1 1.6.2	Pipe – 450mm PVC SDR35, 0-4m depth, imported backfill	Lineal Metres	130	
33.07	1.6.5	Catchbasin Lead – 150 mm PVC DR28	Lineal Metres	59	
33.08	1.6.3 1.6.4	Storm Service – 150mm PVC SDR28 Including Inspection Chambers	Each	2	
33.09	1.6.3 1.6.4	Storm Service – 100mm PVC SDR28 Including Inspection Chambers on West side of Church Rd only	Each	12	
	33 42 13	Pipe Culvert			
33.10	1.5.3	Headwalls Concrete Sandbags	Each	1	
	33 44 01	Manholes and Catchbasins			
33.11	1.5.1.1ss	Manhole 1050mm Diameter Base, lid, slab, cover and frame	Each	4	
33.12	1.5.2	Catchbasin – Top Inlet	Each	10	
33.13	1.5.2	Lawn Basin	Each	1	
		Sub-7	Total	\$	

OPTIONAL ITEMS (Included in Tender Price)

This section forms part of the Contract Documents and is to be read, interpreted and coordinated with all other parts.

Optional items quoted on will be reviewed and accepted or rejected at the Owner's option. Accepted optional items prices will be identified in the construction agreement.

Coordinate related work and modify surrounding work to integrate the Work of each optional item.

Prices quoted should not include GST.

Item No.	Section	Specification Title	Unit	Quantity	Unit Price	Amount
	31 23 01	Excavating, Trenching and Backfilling				
1	1.10.3 1.10.5	Over-excavation	Cubic Metre	50		

APPENDIX 2 PRELIMINARY CONSTRUCTION SCHEDULE

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Church Road Improvements - Sooke Road to Wadams Way

(TITLE OF CONTRACT)

See paragraph 5.3.2 of the Instructions to Tenderers – Part II.

Indicate Schedule with bar chart with major item descriptions and time.

MILESTONE DATES: Substantial Completion for entire Contract by November 30, 2021

ACTIVITY	CONSTRUCTION SCHEDULE (MONTHS)											
	1	2	3	4	5	6	7	8	9	10	11	12

Church Road Improvem Sooke Road to Wadams Tender 20128-00 District of Sooke	nents – Way APPENDIX 3 EXPERIENCE OF SUPERINTENDENT	PAGE 1 OF 1 2021
	Church Road Improvements – Sooke Road to Wadams Way	
	See paragraph 5.3.3 of the Instructions to Tenderers – Part II.	
Name:		
EXPERIENCE		
Dates:		
Project Name:		
Responsibility:		
References:		
Dates:		
Project Name:		
References:		
Dates:		
Project Name:		
Responsibility:		
References:		
Dates:		
Project Name:		
Responsibility:		
References:		

APPENDIX 4 COMPARABLE WORK EXPERIENCE

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Church Road Improvements – Sooke Road to Wadams Way

(TITLE OF CONTRACT)

See paragraph 5.3.4 of the Instructions to Tenderers – Part II.

PROJECT		OWNER / C PHON	CONTACT NAME	WORK DESCRIPTION	VALUE (\$)
	Owner / Contact				
	Phone	()	Fax ()		
	Owner / Contact				
	Phone	()	Fax ()		
	Owner / Contact				
	Phone	()	Fax ()		
	Owner / Contact				
	Phone	()	Fax ()		
	Owner / Contact				
	Phone	()	Fax ()		
	Owner / Contact				
	Phone	()	Fax ()	_	
	Owner / Contact				
	Phone	()	Fax ()	_	
	Owner / Contact			_	
	Phone	<u>()</u>	Fax ()	_	
	Owner / Contact				
	Phone	<u>(</u>)	Fax ()	_	
	Owner / Contact			_	
	Phone	()	Fax ()		
	Owner / Contact			_	
	Phone	()	Fax ()		

APPENDIX 5 SUBCONTRACTORS PAGE 1 OF 1 2021

Church Road Improvements – Sooke Road to Wadams Way

(TITLE OF CONTRACT)

See paragraph 5.3.5 of the Instructions to Tenderers – Part II.

TENDER ITEM	TRADE	SUBCONTRACTOR NAME	PHONE NUMBER

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(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_<u>21___</u>.

CONTRACT: Church Road Improvements – Sooke Road to Wadams Way

REFERENCE No. ---

BETWEEN:

The District Of Sooke

(the "Owner")

AND:

(NAME AND OFFICE ADDRESS OF CONTRACTOR)

(the "Contractor")

THE OWNER AND THE CONTRACTOR AGREE AS FOLLOWS:

Article 1	THE WORK START /	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 <i>Contract Documents</i> .
	COMPLETION DATES	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 schedules as required by the Contract Documents and will achieve Substantial Performance of the Work on or before November 30, 2021 subject to the provisions of the Contract Documents for adjustments to the Contract Time.

1.3 Time shall be of the essence of the *Contract*.

Article 2	CONTRACT DOCUMENTS	2.1	The "Contract Documents" consist of the documents listed or referred to in Schedule 1, entitled "Schedule of Contract Documents", which is attached and forms a part of this Agreement, and includes any and all additional and amending documents issued in accordance with the provisions of the <i>Contract Documents</i> . All of the <i>Contract Documents</i> shall constitute the entire <i>Contract</i> between the <i>Owner</i> and the <i>Contractor</i> .	
		2.2	The <i>Contract</i> supersedes all prior negotiations, representations, or agreements, whether written or oral, and the <i>Contract</i> may be amended only in strict accordance with the provisions of the <i>Contract Documents</i> .	
Article 3	CONTRACT PRICE	3.1	The price for the <i>Work</i> (" <i>Contract Price</i> ") shall be the sum in Canadian dollars of the following	
			3.1.1 the product of the actual quantities of the items of <i>Work</i> listed in the <i>Schedule of Quantities and Prices</i> which are incorporated into or made necessary by the <i>Work</i> and the unit prices listed in the <i>Schedule of Quantities and Prices</i> ; plus	
			3.1.2 all lump sums, if any, as listed in the <i>Schedule of Quantities and Prices</i> , for items relating to or incorporated into the <i>Work</i> ; plus	
			3.1.3 any adjustments, including any payments owing on account of <i>Changes</i> and agreed to <i>Extra Work</i> , approved in accordance with the provisions of the <i>Contract Documents</i> .	
		3.2	The <i>Contract Price</i> shall be the entire compensation owing to the <i>Contractor</i> for the <i>Work</i> 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 <i>Work</i> .	
Article 4	PAYMENT	4.1	Subject to applicable legislation and the provisions of the <i>Contract Documents</i> , the <i>Owner</i> shall make payments to the <i>Contractor</i> .	
		4.2	If the <i>Owner</i> fails to make payments to the <i>Contractor</i> as they become due in accordance with the terms of the <i>Contract Documents</i> 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 <i>Contract Documents</i> 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 <i>Contract Documents</i> , no action or failure to act by the <i>Owner</i> , <i>Contract Administrator</i> or <i>Contractor</i> shall	

Church Road Improvements Sooke Road to Wadams Way Tender 20128-00	-		FORM		PAGE 3 OF 6
				JF AGREEMEN I	2021
		constitu <i>Contrac</i> of or acc	te a wa t, nor s quiesco	aiver of any of the parties' rights or duties affore shall any such action or failure to act constitute ence in any breach under the <i>Contract</i> .	ded under the e an approval
Article 6 NOTICES	6.1	Commu <i>Contrac</i> <i>Docume</i> paid reg	nicatio <i>tor</i> , ir e <i>nts</i> , m isterec	ns among the <i>Owner</i> , the <i>Contract Administ</i> including all written notices required by hay be delivered by hand, or by fax, or by em d mail to the addresses as set out below:	<i>trator</i> and the the <i>Contract</i> ail, or by pre-
	The ОИ	NER:			
				District of Sooke	
				2205 Otter Point Road, Sooke, BC, V9Z 1J2	
		Email:		j <u>carter@sooke.ca</u>	
		Attentio	on:	Jeff Carter, Director of Operations	
	The CO	NTRACT	OR:		
			-		
		_	-		
		Fax:	-		
		Attentio	on:		
	The CO	NTRACT		INISTRATOR:	
				McElhanney Ltd.	
				#500-3960 Quadra Street, Victoria, BC, V8X 4	4A3
		Email:		jirving@mcelhanney.com	
		Attentio	on:	Jon Irving, P.Eng.	
	6.2	A comm to have	iunicat been r	ion or notice that is addressed as above shall b received	be considered
		3.1.4	immec	liately upon delivery, if delivered by hand; or	
		3.1.5	after 5	Days from date of posting if sent by registered	l mail
		3.1.6	n/a		

		6.3	The <i>Owner</i> or the <i>Contractor</i> may, at any time, change its address for notice by giving written notice to the other at the address then applicable. Similarly if the <i>Contract Administrator</i> changes its address for notice then the <i>Owner</i> will give or cause to be given written notice to the <i>Contractor</i> .
		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 <i>Contractor</i> shall not, without the express written consent of the <i>Owner</i> , assign this <i>Contract</i> , or any portion of this <i>Contract</i> .
		7.3	The headings included in the <i>Contract Documents</i> are for convenience only and do not form part of this <i>Contract</i> and will not be used to interpret, define or limit the scope or intent of this <i>Contract</i> or any of the provisions of the <i>Contract Documents</i> .
		7.4	A word in the <i>Contract Documents</i> 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 WITI and yea	NESS WHEREOF the parties hereto have executed this Agreement the day ar first written above.
		CONTR	PACTOR:
			(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)
			(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

OWNER:

District Of Sooke

(FULL LEGAL NAME OF CORPORATION, PARTNERSHIP OR INDIVIDUAL)

(AUTHORIZED SIGNATORY)

(AUTHORIZED SIGNATORY)

(INCLUDE IN LIST <u>ALL</u> 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.

> **<u>NOTE</u>**: The documents noted with "*" are contained in the "<u>Master Municipal</u> <u>Construction Documents - General Conditions, Specifications and Standard Detail</u> <u>Drawings</u>", edition dated 2019. All sections of this publication are included in the *Contract Documents.*

- 8.1 Agreement, including all Schedules;
- 8.2 Supplementary General Conditions;
- 8.3 General Conditions*;
- 8.4 Supplementary Specifications;
- 8.5 District of Sooke Bylaw 404, Subdivision and Development Standards Bylaw;
- 8.6 Specifications*;
- 8.7 Supplementary Standard Detail Drawings;
- 8.8 Supplementary Standard Detail Drawings as per Bylaw 404;
- 8.9 Standard Detail Drawings*;
- 8.10 Executed Form of Tender, including all Appendices;
- 8.11 *Contract Drawings* listed in Schedule 2 to the Agreement...–"List of *Contract Drawings*";
- 8.12 Instructions to Tenderers Part I;
- 8.13 Instructions to Tenderers Part II*
- 8.16 The following Addenda:

(ADDENDA, IF ANY)

(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

TITLE	DRAWING NO.	DATE	REVISION NO.	REVISION DATE
Cover	C000	2021-05-05	PD	
General Notes & Legend	C001	2021-05-05	PD	
Roadworks Plan & Profile – Sta. 9+830 to 10+015	C201	2021-05-05	PD	
Roadworks Plan & Profile – Sta. 9+900 to 10+140	C202	2021-05-05	PD	
Roadworks Plan & Profile – Sta. 10+140 to 10+209.66	C203	2021-05-05	PD	
Roadworks Plan & Profile – Country Road	C204	2021-05-05	PD	
Curb Plan & Profile – Church Road & Country Road	C215	2021-05-05	PD	
Typical Sections & Details	C301	2021-05-05	PD	
Road Cross Sections – Sta. 9+860 to 9+930	C401	2021-05-05	PD	
Road Cross Sections – Sta. 9+940 to 10+010	C402	2021-05-05	PD	
Road Cross Sections – Sta. 10+000 to 10+070	C403	2021-05-05	PD	
Road Cross Sections – Sta. 10+080 to 10+150	C404	2021-05-05	PD	
Road Cross Sections – Sta. 10+160 to 10+200	C405	2021-05-05	PD	
Lighting Layout	E1.00	2021-05-12	4	
Pole Details	E2.00	2021-05-12	4	
Details and Specifications	E2.01	2021-05-12	4	

Church Road Improvements –		
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Tender 20128-00		D 1 05 1 05 2
District of Sooke	SUPPLEMENTARY GENERAL	PAGE T OF Z
	CONDITIONS	2021

Modifications and Additions to the Master Municipal Construction Documents

The following conditions form part of the Contract and are supplementary to the MMCD General Conditions and Specifications. In the event of a direct conflict between the MMCD General Conditions and these Supplementary GC's the Supplementary GC's take precedence. Notwithstanding this order of precedence, in the event of a conflict between or within any of the Contract Documents, the more stringent provisions shall apply with the intent that those which produce the highest quality and performance, shall govern.

SECTION	SUB SECTION	SUPPLEMENTARY GENERAL CONDITIONS
GC 1.0 DEFINITIONS	New 1.79 Archaeological Artifacts	"Archaeological Artifacts means any fossils, artifacts, coins, articles of value or antiquity, remains, and other things of geological, archaeological or historical interest or value discovered at the <i>Place of the Work</i> ."
	New 1.80 Engineer	"Engineer means the Contract Administrator."
	New 1.81 Utilities	<i>"Utilities</i> is used broadly and includes but is not limited to any and all lines, poles, structures, facilities, utilities for power, cable, TV, telephone, telecommunications, all sanitary and storm sewers, and all water, oil, gas and electric services, all steam pipes and services, all survey monuments, all street lights, traffic lights, traffic detector loops embedded in pavement, culverts, rail tracks, whether located above or below ground, whether visible or invisible, whether man- made or natural."
GC 2.0	2.2.4	Replace Section (1) with the following:
DOCUMENTS	Document Hierarchy	 "The Contract Documents shall govern and take precedence in the following order with the Agreement taking precedence over all other Contract Documents: a) Agreement b) Addenda c) Supplementary General Conditions d) General Conditions e) Supplementary Specifications f) District of Sooke Bylaw 404, Subdivison and Development Standards Bylaw g) Specifications h) Drawings listed in Schedule 2 to the Agreement i) Supplementary Detail Drawings j) Supplementary Standard Detail Drawings k) Standard Detail Drawings l) Executed Form of Tender m) Instructions to Tenderers n) All other Contract Documents."

SUPPLEMENTARY GENERAL CONDITIONS

PAGE 2 OF 2 2021

GC 2.0 DOCUMENTS	New 2.4.3 Copies of Contract Documents	"The <i>Contract Drawings</i> shall not be used for the construction of the Work unless marked "Issued for Construction" and sealed by a registered professional engineer."
GC 3.0 CONTRACT ADMINISTRATOR	3.3.5 Contract Administration	Amend Clause 3.3.5 by adding: "The Contract Administrator will conduct survey checks of the completed work at his/her discretion. The Contractor will provide a survey assistant, at the Contract Administrator's request, for such checks."
GC 4.0 CONTRACTOR	4.6 Construction Schedule	Amend 4.6.2 by deleting: "monthly" and substituting "monthly or as required by the <i>Contract Administrator</i> ".
GC 18.0 PAYMENT	18.5 Payment	Amend 18.5.1 by replacing: "15th day" to read "30th day".
GC 20.0 LAWS, NOTICES, PERMITS AND FEES	New 20.4.2 Environmental Laws	"The Contractor shall indemnify the Owner, the Contract Administrator, and their respective employees, agents, officers and consultants for any costs, fines, expenses and penalties that the Owner is required to pay on account of the Contractor performing Work in breach of any applicable Federal, or Provincial or municipal laws, regulations, or orders."
SGC 27.0 ARCHAEOLOGICAL ARTIFACTS	New 27.1.1 Archaeological Artifacts	"Any Archaeological Artifacts 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 Archaeological Artifacts	"The <i>Contractor</i> shall immediately advise the <i>Contract Administrator</i> of the discovery by the <i>Contractor</i> of any Archaeological Artifacts and take all reasonable precautions to protect and preserve same".
SGC 28.0 APPROVED SUPPLEMENTAL	New 28.1 Approved Supplemental	"All MMCD board approved Supplementary's as listed at <u>www.mmcd.net/</u> are to be included and in effect for this contract as of tender closing date."

SUPPLEMENTARY SPECIFICATIONS				
Add the following Supplementary Specifications (attached at end):				
SECTION	SUB SECTION	SUPPLEMENTARY SPECIFICATION		
01 10 00SS Measurement and Payment	All			
Revise the followir	ng Master Munio	cipal Specifications Platinum Edition:		
SECTION	SUB SECTION	SUPPLEMENTARY SPECIFICATION		
01 52 01 Temporary Structures	1.6 Payment	 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. 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 <i>Work</i>. 2 Included in demobilization are preparation and submission of record drawings, operation and maintenance manuals, removal of all personnel, equipment and materials and cleanup of the <i>Site</i> and the <i>Work</i>. 3 The lump sum price bid for this work shall be relative to the costs involved but shall not exceed ten percent of the <i>Tender Price</i>. 4 Payment shall be made as follows, as approved by the Contract Administrator: 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 first progress 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 <i>Schedule of Quantities and Prices</i>." 		
01 55 00 Traffic Control, Vehicle Access and Parking	1.4 Traffic Control	Add Clause 1.4.14: "Provide a detailed Traffic Management Plan (TMP) and drawings with dedicated traffic control and pedestrian delineation for safety of motorists, pedestrians and bicycle traffic for all locations where roadways are affected by construction activities. The TMP shall be sealed by a qualified professional engineer and will be approved by the Contract Administrator in advance of implementation. This plan is to be submitted to the Contract Administrator a minimum of 14 calendar days prior to the		

contractor's desired date of construction commencement. The
plan shall be updated and modified as requested by the Contract
Administrator, as the construction project proceeds and traffic
management needs warrant. The TMP is to contain sufficient
details to allow the Contract Administrator and Owner a clear
understanding of how the Contractor will ensure the following
performance specification will be achieved at a minimum
1 TMP shall be in prepared in accordance with the BC Ministry
of Transportation and Infrastructure guidelines aposition in the
Traffia Management Quidelines for Work on Deadwaye
Manual management Guidelines for Work on Roadways
Manual, and the 2012 Standard Specifications for Highway
Construction. Table of Contents to include the following:
1.1. General Information
1.2. Operations and Signage
1.3. Users and Access
1.4. Traffic Control Drawings
1.5. Public Information Plan
1.6. Incident Management Plan
1.7. Implementation Plan
2. Partial closure of existing travel lanes to a minimum of single
lane alternating traffic to facilitate construction of the Works
may be requested
3 Diverted travel lanes must be on paved or granular base
surfaces. Travel surface will allow for vehicles to move through
the construction zone at an intended speed of 20 km/h
Minimize stepping treffic in the trevel long. No dumning or off
4. Within the stopping trans in the travel lane. No dumping of on
loading of materials shall be permitted in the travel lane.
Stoppages are permitted for venicle access to and egress from
the construction zone or for construction vehicles crossing the
travel lane. No delays for full lane closure of more than 5
minutes. Traffic cannot queue into the Sooke Road R/W at any
time.
5. Provide a plan of all off site and on site signage and traffic
control devices for review and acceptance by the Contract
Administrator and the Owner. Update the plan as requested
whenever signage or traffic control device locations are
changed.
6. Provide access for garbage collection and recycling pick-up
programs and mail delivery to all residents and businesses.
Provide communication to and coordination with all service
providers as necessary to ensure access as required.
7. Provide for the BC Transit bus routes. Communicate to and
coordinate with BC Transit as necessary regarding temporary
bus stop locations, transit through the work zone and any other
issues that may arise that require discussion and coordination
8 Work shall be in accordance with District Of Sooke Noise
Bylowe
Q At the discretion of the Contract Administrator the Contractor
a. At the discretion of the Contract Administrator, the Contractor
irregularities or expensive contraction of the firm Maximum
inequiarities or excessive congestion of traffic flow. Maximum
total delays of up to 3 minutes are permitted
10. Maintain at least one access to all properties, at all times
unless otherwise authorized by the Contract Administrator or

		 unless the work is directly in front of a residential driveway. Where closures of residential driveways are required, provide a hand delivered letter a minimum of 72 hours prior to construction to impacted property owner(s). Driveways shall be closed for 72 hours for concrete curing. Daily access shall be provided for trenching where possible using steel plates. 11. Facilitate priority access through the work zone for fire trucks and all other emergency vehicles when they are operating with emergency lights and sirens active and where possible otherwise. 12. Where sidewalks are closed, provide adequate signage regarding pedestrian detour including signage at closest pedestrian crossing at each side of the closed section. Where work directly impacts sidewalk accessibility, "fixed in place" ramps with a tactile surface are to be provided at either end of the work area allowing pedestrians to safely negotiate the grade change between the roadway surface and drop ramps, curbs, and boulevards. Ramps must be of solid / sound construction, a minimum of 35mm high. 13. Provide plan for on site or off site storage of materials and equipment, location of site trailers and all other storage facilities (e.g. shipping containers). Use of the road right-of way or other public lands will require a Permit to Occupy a Road Allowance.
01 57 01 Environmental Protection	1.1 Section 10 57	Add Clause 1.1.5: "Qualified Environmental Professional"
	1.2 Temporary Erosion and Sediment	Add Clause 1.2.1.4: "All catch basin, silt trap, and lawn basin inlet castings that may receive runoff from the work area to be covered with filter cloth. Ensure no silt or sediment enters the storm drainage system while removing the silt cloth once construction is complete"
	Controls	
	1.4 Environmental Protection	 Add Clause 1.4.4: "Disposal of Waste: Do not bury rubbish and waste materials on site. Do not dispose of waste or volatile materials such as mineral spirits, oil or point thinner into waterways, storm or sanitary sewers. Dispose of waste materials off property, in accordance with applicable provincial and/or federal regulations. Removal and disposal of Asbestos Cement pipe shall follow current WCB requirements."
		 Add Clause 1.4.5: "Concrete and Asphalt Cutting and Placing: 1. Control and pick up all wet or dry residue from saw cutting, coring, grinding and milling operations by means of a vacuum device or street sweeper. Under no circumstances is any dust, debris or run-off to migrate into waterways, storm or sanitary sewers. 2. Minimize the volume of wastewater produced by cutting

		 possible. 3. Do not allow cement washout into the streets, driveways, gutters, storm drains, ditches or water courses. 4. Set up and operate portable mixers on tarps or heavy drop cloths to contain spillage. 5. When breaking up and milling pavement, remove broken pavement and sweep area clean."
01 57 01 Environmental Protection	1.6 Measurement and Payment	Add Clause 1.6.2: "Payment for Environmental Protection Plan shall be lump sum and includes all work to prepare, deliver and enact an Environmental Management Plan prepared by a registered professional that contains the following components: tree protection plan; sensitive ecosystem management plan; sediment and erosion control plan; invasive species management plan; waste disposal; storage areas and laydown area management plan; equipment idling control plan; hazardous material control and spill response plan."
01 58 01 Project Identification	1.2 Temporary Project Sign	Clause 1.2.1.1 delete: "Provide and erect, within 3 weeks of signing Contract, a project sigh in a location designated by the Contract Administrator." Replace with : "Erect, within 2 weeks of being provided signs, two project signs in locations designated by the Contract Administrator." Delete Clauses 1.2.1.2 and 1.2.1.3
03 30 20 Concrete Walks, Curbs and Gutters	1.4 Measurement and Payment	Delete Clause 1.4.2 Clause 1.4.3 delete: "excluding granular subbase and granular base" Replace with: "including granular subbase and granular base" Clause 1.4.5 delete: "concrete and granular base" Replace with: "concrete, granular subbase and granular base" Clause 1.4.6 delete: "Drawing C7 will be made on a unit basis (each crossing)" Replace with: "Drawings" delete: "granular base" Replace with: "granular subbase and granular base"
26 56 01 Roadway lighting/ Traffic Signals	1.9 Measurement and Payment	Add Clause 1.9.4 "Payment for electrical and streetlighting service kiosk shall be paid at the unit price shown on the Schedule of Quantities and Prices and shall include all labour, equipment and materials required to supply and install a complete functioning service and distribution system as shown on the Contract Drawings. Contractor is to provide Shop drawings for approval prior to construction. Price shall include supply of concrete kiosk base, kiosk and all distribution devices, wiring, conduit, and controls as shown."
31 24 13 Roadway Excavation, Embankment and Compaction	1.8 Measurement and Payment	Add Clause 1.8.14: "Payment for common excavation (neat line area to design subgrade) includes excavation and offsite disposal to design subgrade, excluding asphalt and concrete removal. Payment includes removal of existing pipes, culverts, conduits and underground infrastructure as shown on the Drawings. Measurement shall be based on the surface area neat lines required and shown on the Drawings."

32 12 16 Hot Mix Asphalt Concrete Paving	1.5 Measurement and Payment	Clause 1.5.2 change: "based on weigh tickets provided to Contract Administrator as loads are delivered" to "based on area for each thickness specified in the Schedule of Quantities and Prices".
32 17 23 Painted Pavement Markings	1.5 Measurement and Payment	Add Clause 1.5.6: "Relocation of existing traffic control signs shall be paid at the unit price shown on the Schedule of Quantities and Prices and shall include all labour, equipment and materials required to complete the removal and re-installation as shown on the Contract Drawings. The post and signs shall be salvaged for re-installation and new concrete bases installed. Sign relocations required for construction that are not shown in the Contract Drawings will be considered incidental to the work."
32 31 13 Chain Link Fences and Gates	1.5 Measurement and Payment	Clause 1.5.4 delete: "Payment for handrails and bicycle baffles includes all materials, work and incidentals shown on Standard Detail Drawings C11 and C14 as separate items for each type of installation. Measurement will be made horizontally along surface of the ground for length of handrail or bicycle baffle installed." Replace with: "Payment for handrails includes all materials, work and incidentals shown on Contract drawings. Measurement will be made horizontally along surface of the ground for length of handrails includes all materials, work and incidentals shown on Contract drawings.
32 91 21 Topsoil and Finish Grading	1.4 Measurement and Payment	Clause 1.4.1 delete: "Payment for growing medium will be by actual area provided and payment for imported topsoil will be based on loose truck box volume." Replace with : "Payment for growing medium and imported topsoil will be by actual area provided at depth specified in contract drawings and Schedule of Quantities and Prices."
33 44 01 Manholes and Catch basins	1.5 Measurement and Payment	 Clause 1.5.1.1 delete: "except riser". Replace with: "including riser". Delete Clause 1.5.1.2: Clause 1.5.3 delete: "existing catchbasins,". Replace with: "existing manholes, catchbasins,". Add Clause 1.5.1.7: "Payment for Type 2 Oil Grit separator shall be at the unit price shown on the Schedule of Quantities and Prices and shall include all labour, equipment and materials required to supply and install the complete oil grit separator as shown on the contract drawings including all risers, frames and covers. Contractor to provide shop drawings for approval prior to construction."

Church Rd Improvements -Sooke Road to Wadams Way

Tender 20128-00	Supple	ementary Specification	Section 01 10 00SS Page 1 of 2
District Of Sooke	Measu	urement and Payment	2021
1.0 GENERAL	.1	Section 01 10 00SS addresses addition and payment clauses which do not app specification sections	nal measurement ly to other
1.1 Quality Control	Testing .1 .2 .3 .4 .5 .6 .7 .8	Perform all necessary Quality Manager indicated on the Drawings and/or within Documents. Payment shall be based of bid the Schedule of Quantities and Unit measured and accepted by the Contrace Payment shall be accepted as full com- everything furnished and done. Paymen bid will be paid in equal amounts each Give timely notice requesting inspection designated for special tests, inspection Contract Administrator's instructions. All submissions shall be prompt to ensu- necessary retesting and replacement of proceed without delay. Process and distribute all required copi and test information and related instruct Sub-Contractors and Suppliers to ensu- retesting and replacement of construct without delay. Provide the Owner with copies of all test Submit samples and/or materials required specifically requested in specifications Submit test results specifying that mater are being met. Provide labour and facilities to obtain a and materials on-site. Provide sufficient cure test samples.	nent testing as the Contract the Lump Sum Prices as Administrator. Densation for ent of the Lump Sum month. n if Work is s or review by the ure that all f construction can es of test reports tions to all of his re that all necessary on can proceed st results. red for testing, as or by the Owner. erial requirements nd handle samples t space to store and
1.2 Layout survey, survey, volur calculations a survey	quantity .1 ne and record .2 .3 .3	Payment shall be based on the Lump S Schedule of Quantities and Unit Prices accepted by the Contract Administrator accepted as full compensation for ever done. Payment of the lump sum bid will be pa each month. The Contractor is responsible for all sta layout and quantity calculations require of all Work, as shown on the Contract I affect incidental field adjustments. The unit price bid shall include, but not survey layout, staking, cross sections, o volumes required for tender items, cool for the completion of the work, record s	Sum bid in the as measured and . Payment shall be ything furnished and aid in equal amounts aking and survey ed for the completion Drawings, and to be limited to; all calculations of rdination required survey, and all other

work and materials incidental and necessary to complete the Work to provide a functional system.

	•	Section 01 10 00SS
Tender 20128-00	Supplementary Specification	Page 2 of 2
District Of Sooke	Measurement and Payment	2021

.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.

- END -

CLIENT

ADDRESS / CONTACT INFO.

PROJECT NAME

DESCRIPTION

McELHANNEY PROJECT

STATUS

DISTRICT OF SOOKE

2205 OTTER POINT ROAD, SOOKE, B.C.

2241-20-128 MAY 5, 2021 **ISSUED FOR TENDER**



Suite 500 3960 Quadra Street Victoria BC Canada V8X 4A3 T 250 370 9221

CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY



	DRAWI	NG LIST									
SHEET No.	DRAWING TITLE	LOCATION	DESCRIPTION	REVISIONS							
C000	COVER	PA PB		PC	PD	PE	0	1	2		
C001	GENERAL NOTES & LEGEND			Х	Х	Х	Х				
C201	ROADWORKS PLAN & PROFILE	CHURCH ROAD	STA. 9+830 TO STA. 10+015	Х	Х	Х	Х				
C202	ROADWORKS PLAN & PROFILE	CHURCH ROAD	STA. 9+90 TO STA. 10+140	Х	Х	Х	Х				
C203	ROADWORKS PLAN & PROFILE	CHURCH ROAD	STA. 10+140 TO STA. 10+209.66	Х	Х	Х	Х				
C204	ROADWORKS PLAN & PROFILE	COUNTRY ROAD		Х	Х	Х					
C215	CHURCH & COUNTRY ROAD	CHURCH ROAD	STA. 10+140 TO STA. 10+209.66	Х	Х	Х					
C301	TYPICAL SECTIONS AND DETAILS			Х	Х	Х	Х	Х			
C401	ROAD CROSS SECTIONS	CHURCH ROAD	STA. 9+860 TO STA. 9+930	Х	Х	Х					
C402	ROAD CROSS SECTIONS	CHURCH ROAD	STA. 9+940 TO STA. 10+010	Х	Х	Х					
C403	ROAD CROSS SECTIONS	CHURCH ROAD	STA. 10+000 TO STA. 10+070	Х	Х	Х	Х				
C404	ROAD CROSS SECTIONS	CHURCH ROAD	STA. 10+080 TO STA. 10+150	Х	Х	Х	Х				
C405	ROAD CROSS SECTIONS	CHURCH ROAD	STA. 10+160 TO STA. 10+200	Х	Х	Х	Х				

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ENGINEERING LEGEND	
	<u></u>
BENCHMARK - GEODETIC DATUM	\otimes
SURREY SURVEY MONUMENT	\bigcirc
CURB & GUTTER	
SIDEWALK (CONCRETE)	
SIDEWALK (ASPHALT)	
PAVEMENT	
ELEVATION × 99.99	×99.99
FRENCH DRAIN	FD
LAWN BASIN	0
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Rev	Date	Description	Drawn	Design	App'd	PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.	ORIGINAL DWG
PA	2021-01-15	60% DETAILED DESIGN	TE	MM	JI	UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS	
PB	2021-03-15	90% DETAILED DESIGN	TE	MM	JI	INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. MCELHANNEY,	
PC	2021-04-16	ISSUED FOR TENDER	EO	MM	JI	EMPLOYEES OR AGENTS, WITHOUT MCELHANNEY'S PRIOR WRITTEN CONSENT.	
PD	2021-05-05	ISSUED FOR TENDER	EO	MM	JI	CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR	
						REQUIREMENTS OF THE APPLICABLE PUBLIC AGENCIES AT THE TIME OF PREPARATION. MCELHANNEY, ITS EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER	
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GENERAL NOTES

- ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND DRAWINGS INCLUDED IN THE LATEST REVISION OF THE DISTRICT OF SOOKE SUBDIVISION AND DEVELOPMENT BYLAW, ENGINEERING SPECIFICATIONS AND STANDARD DRAWINGS, AND THE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS (MMCD) AND AMENDMENTS TO THE MMCD FOR WORK ON MUNICIPAL ROW OR SROW.
- 2. ALL CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH THE BC BUILDING CODE PART 7 FOR WORK ON THE BUILDING LOTS.
- 3. IF A CONFLICT BETWEEN THE SPECIFICATIONS ARISES, THE MOST STRINGENT SPECIFICATION SHALL APPLY. 4. CONTRACTOR TO ENSURE MINIMAL DISRUPTION TO LOCAL TRAFFIC IN ACCORDANCE WITH DISTRICT OF SOOKE REQUIREMENTS. CONTRACTOR TO PROVIDE TRAFFIC
- MANAGEMENT PLAN (TMP). TMP REQUIRED TO BE SUBMITTED AND APPROVED BY DoS PRIOR TO WORKS. 5. CONTRACTOR TO OBTAIN AND PAY FOR A PERMIT TO CONSTRUCT WORKS ON A MUNICIPAL RIGHT OF WAY FROM THE DISTRICT OF SOOKE (DoS) 48 HOURS PRIOR TO THE START OF ANY CONSTRUCTION.
- 6. CONTRACTOR TO OBTAIN AND PAY FOR A PERMIT FOR HIGHWAY WORKS FROM MoTI
- 7. CONTRACTOR TO MAINTAIN AN UP-TO-DATE SET OF REDLINE DRAWINGS FOR THE PREPARATION OF AS-CONSTRUCTED DRAWINGS. THE REDLINES ARE TO BE DELIVERED TO THE ENGINEER PRIOR TO SUBSTANTIAL PERFORMANCE. ALL DATA REQUIRED MUST BE ACCEPTABLE TO THE ENGINEER TO PREPARE THE AS-CONSTRUCTED DRAWINGS. MISSING OR INADEQUATE DATA TO BE PROVIDED BY THE CONTRACTOR OR BY AN INDEPENDENT SURVEYOR AT THE CONTRACTOR'S EXPENSE. 8. CONTRACTOR TO ENSURE EXISTING MONUMENTS AND IRON PINS ARE NOT DISTURBED DURING CONSTRUCTION. ANY MONUMENTS OR IRON PINS IN DANGER OF DISTURBANCE
- ARE TO BE REFERENCED AND, IF DISTURBED, BE REPLACED BY A BCLS AT THE CONTRACTORS EXPENSE. 9. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION LAYOUT, MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES FOR CO-ORDINATING THE VARIOUS PARTS OF THE WORK IN THESE DRAWINGS. MCELHANNEY WILL PROVIDE DIGITAL FILES FOR LAYOUT PURPOSES UPON REQUEST.
- 10. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE WRITTEN CONFIRMATION TO THE OWNER AND MCELHANNEY LTD. THAT THEY WILL ASSUME THE RESPONSIBILITIES OF THE PRIME CONTRACTOR AS OUTLINED IN THE WORKERS COMPENSATION ACT FOR THE DURATION OF THE PROJECT.
- 11. NO CONSTRUCTION TO TAKE PLACE UNLESS DRAWINGS ARE ISSUED FOR CONSTRUCTION AND ALL APPROVALS ARE IN PLACE. CONTRACTOR TO CONFIRM WITH ENGINEER.

TRENCHING. EXCAVATING AND BACKFILLING

- CONTRACTOR TO SUBMIT A DEWATERING PLAN & PROCEDURE FOR APPROVAL BY THE AUTHORITY HAVING JURISDICTION PRIOR TO CONSTRUCTION. 2. CONTRACTOR TO EXCAVATE TO CONFIRM LOCATION AND ELEVATION OF EXISTING UTILITIES AT ALL CROSSINGS AND CONNECTION POINTS AND CONFIRM ELEVATIONS WITH THE ENGINEER PRIOR TO CONSTRUCTION. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND ARE REQUIRED TO BE CONFIRMED IN THE FIELD. ANY DAMAGE OR
- REPAIR TO EXISTING UTILITIES SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.
- 3. DO NOT START ANY BACKFILL OPERATION DURING CONSTRUCTION PRIOR TO THE ENGINEER'S INSPECTION. 4. WHERE EXISTING ABANDONED WATERMAIN IS ENCOUNTERED DURING EXCAVATION, CONTRACTOR TO REMOVE AND DISPOSE OF EXISTING ABANDONED WATERMAIN INCLUDING ASBESTOS CEMENT AS NECESSARY IN ACCORDANCE WITH THE REGULATORY AGENCIES.
- CONTRACTOR TO ENSURE THAT ALL THE EXISTING SERVICES REMAIN IN OPERATION DURING CONSTRUCTION.
- 6. AFTER CONSTRUCTION, RESTORE WORK AREAS AND ALL EXISTING FEATURES TO THEIR ORIGINAL CONDITION OR BETTER TO THE SATISFACTION OF THE DISTRICT OF SOOKE AND/OR PRIVATE PROPERTY OWNER.
- ADJUST ALL PROPOSED AND EXISTING APPURTENANCES TO MEET THE FINAL GRADES.
- ALL UTILITY TRENCHING TO BE IN ACCORDANCE WITH DoS STD. DWG. MMCD SS G4 AND MMCD SECTION 31 23 01 EXCAVATING, TRENCHING & BACKFILLING. WHERE A TRENCH IS UNDER OR WITHIN 1.0m FROM THE EDGE OF A ROAD OR DRIVEWAY, USE PIT RUN GRAVEL BACKFILL FROM THE TOP OF THE PIPE BEDDING TO THE TOP OF
- THE ROAD, PARKING OR DRIVEWAY SUBGRADE AS PER DoS STD. DWG. MMCD SS G4. 10. ALL EXCAVATION TO BE AS PER WCB REQUIREMENTS UNLESS OTHERWISE APPROVED IN WRITING BY A GEOTECHNICAL ENGINEER.
- 11. CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A QUALIFIED INDEPENDENT GEOTECHNICAL TESTING ENGINEER TO PROVIDE QUALITY CONTROL SERVICES DURING CONSTRUCTION AND SHALL PROVIDE THE FOLLOWING AT A MINIMUM UNLESS APPROVED IN WRITING BY A GEOTECHNICAL ENGINEER:
- 11.1. SIEVE ANALYSIS OF SANDS AND AGGREGATES SUPPLIED TO THE WORK.
- 11.2. STANDARD PROCTOR DENSITY CURVES FOR BACKFILL MATERIALS. 11.3. STANDARD PROCTOR DENSITY CURVES FOR APPROVED BORROW MATERIALS.
- 11.4. TRENCH BEDDING DENSITY TEST (MAINLINE) - ONE FOR EVERY 75m OF TRENCH. MINIMUM ONE BETWEEN ANY TWO MANHOLES.
- TRENCH BACKFILL DENSITY TEST (MAINLINE) ONE FOR EVERY 75m OF TRENCH AT EACH 1.0m FILL DEPTH. MINIMUM ONE BETWEEN ANY TWO MANHOLES (INCLUDING ONE 11.5. AT SURFACE LEVEL).
- 11.6. TRENCH BACKFILL DENSITY TEST (SERVICE) ONE PER SERVICE AT EACH 1.0m FILL DEPTH (INCLUDING ONE AT SURFACE LEVEL).

ROADWORKS

- CONSTRUCT ALL ROADWAYS AS SHOWN ON THE TYPICAL SECTIONS AND DETAIL DRAWINGS.
- ALL PAVING TO BE IN ACCORDANCE WITH MMCD SECTION 32 12 16 HOT-MIX ASPHALT CONCRETE PAVING. MIX DESIGN TO BE APPROVED BY GEOTECHNICAL ENGINEER.
- ALL GRANULAR BASE AND GRANULAR SUB-BASE TO BE IN ACCORDANCE WITH MMCD SECTION 31 05 17 AGGREGATES & GRANULAR MATERIALS. 4. CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A QUALIFIED INDEPENDENT GEOTECHNICAL TESTING ENGINEER TO PROVIDE QUALITY CONTROL SERVICES DURING CONSTRUCTION AND SHALL PROVIDE THE FOLLOWING AT A MINIMUM UNLESS APPROVED IN WRITING BY A GEOTECHNICAL ENGINEER:
- 4.1. SIEVE ANALYSIS OF SANDS AND AGGREGATES SUPPLIED TO THE WORK. 4.2. STANDARD PROCTOR DENSITY CURVES FOR BACKFILL MATERIALS.
- 4.3. STANDARD PROCTOR DENSITY CURVES FOR APPROVED BORROW MATERIALS.
- 4.4. COMPACTION CONTROL TESTS FOR BACKFILL AND EMBANKMENT MATERIAL INCLUDING:
- GRANULAR BASE (CURBS) ONCE PER 50 LINEAL METRES PLUS PROOF ROLL TEST, FULL LENGTH. 4.4.1.
- 4.4.2. GRANULAR BASE (ROADS) - ONCE PER 50 LINEAL METRES PLUS PROOF ROLL TEST, FULL LENGTH.
- GRANIULAR BASE (WALKWAYS) ONCE PER 50 LINEAL METRES PLUS PROOF ROLL TEST. FULL LENGTH. 4.4.3.
- 4.5. CONCRETE MIX DESIGN AND TESTING
- CONCRETE STRENGTH TESTS (MINIMUM THREE SPECIMEN CYLINDERS IN ACCORDANCE WITH CSA A23.1) FOR THE FOLLOWING: 4.6.
- CURB AND GUTTER ONCE PER 150 LINEAL METRES (MINIMUM ONE PER DAY DURING CONCRETE PLACING) 461 4.6.2. CONCRETE SIDEWALKS AND DRIVEWAYS - ONCE PER 50 SQUARE METRES MINIMUM ONCE PER DAY DURING CONCRETE PLACING
- 4.7. ASPHALT MIX DESIGN AND TESTING
- 4.8. ASPHALT TESTS FOR THE FOLLOWING: AGGREGATE GRADATION TESTS - ONE PER 300 TONNES OF PRODUCTION (MINIMUM ONE PER DAY DURING ASPHALT PLACEMENT). 4.8.1.
- MARSHALL TEST THREE BRIQUETTES FOR EVERY 300 TONNES OF PRODUCTION (MINIMUM ONE PER DAY DURING ASPHALT PLACEMENT). 4.8.2.
- 4.8.3. COMPACTION - ONE CORE FOR EVERY 500sg.m PLACED.
- 5. SUBGRADE TO BE APPROVED BY GEOTECHNICAL ENGINEER. ANY FAILURE OF THE SUBGRADE AFTER APPROVAL IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY MITIGATION PROCEDURES REQUIRED TO PROTECT THE SUBGRADE IS THE RESPONSIBILITY OF AND AT THE EXPENSE OF THE CONTRACTOR.

SIGNING AND PAVEMENT MARKINGS

ALL SIGNS AND SIGN POSTS TO BE IN ACCORDANCE WITH MUTCD FOR CANADA AND BIKEWAY TRAFFIC CONTROL GUIDELINES FOR CANADA.

PAVEMENT MARKING MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH MMCD SECTION 32 17 23 - PAINTED PAVEMENT MARKINGS AND MANUAL OF STANDARD TRAFFIC SIGNS AND PAVEMENT MARKINGS, LATEST EDITION. ZEBRA STRIPED CROSSWALKS AND 400mm WHITE CONTINUITY LINES (0.6m-0.6m) MUST BE "THERMOPLAST", RE, MAINING PAINTED LINES AND SYMBOLS SHALL BE "THERMOPLAST" OR METHYL METHACRYLATE (MMA).

- STORM SEWER

- FINISHED GRADES.

- 1.1. DISPOSAL OF WASTES.

PARKS AND LANDSCAPING

- WORKS.



SIZE: A1 (594 x 841mm)

HYDRO, TELEPHONE, STREETLIGHTING, CABLE & GAS

1. CONTACT "BC ONE CALL" AT 1-800-474-6886 A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO REVIEW INFORMATION PRIOR TO START OF ANY EXCAVATION.

2. CONTACT "DIGSHAW" AT 1-866-DIGSHAW (344-7429) A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR TO REIVEW INFORMATION PRIOR TO START OF ANY EXCAVATION. CONTACT BC HYDRO, TELUS, SHAW CABLE AND FORTIS BC 48 HOURS PRIOR TO THE START OF ANY EXCAVATION.

4. CONNECTION TO, OR ALTERATION OF, EXISTING BC HYDRO, TELUS, SHAW CABLE, FORTISBC, CRD OR OTHER UTILITIES WILL BE UNDERTAKEN BY THE APPROPRIATE UTILITY ONLY. CONTRACTOR TO PROVIDE SITE ACCESS TO ALL UTILITIES AS REQUIRED. 5. ANY BC HYDRO, TELUS, SHAW CABLE OR FORTIS BC FACILITIES SHOWN ON THE ENGINEERING DRAWINGS ARE SCHEMATIC ONLY.

CONSTRUCT UNDERGROUND HYDRO, TELEPHONE AND CABLE AS SPECIFIED AND IN ACCORDANCE WITH BC HYDRO, TELUS AND SHAW CABLE STANDARD SPECIFICATIONS AND DRAWINGS.

1. ALL MANHOLES TO BE 1050Ø UNLESS OTHERWISE NOTED AND TO BE AS PER MMCD STD. DWG. S1. MANHOLE LIDS TO BE SET TO MATCH

ALL CATCHBASINS TO BE AS PER MMCD SS S11. CATCH BASIN LEADS TO BE 150mm PVC DR28 UNLESS OTHERWISE INDICATED. IF COVER IS 600mm OR LESS THAN USE DUCTILE IRON PIPE. CONTRACTOR TO PROVIDE ENGINEER WITH CCTV VIDEO OF STORM SEWER SYSTEM AS PER DISTRICT OF SOOKE SPECIFICATIONS INCLUDING FLUSH & CCTV VIDEO AT SUBSTANTIAL COMPLETION.

ENVIRONMENTAL AND TREE PROTECTION

1. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL PROTECTION & MANAGEMENT PLAN (TO BE APPROVED BY DoS) PREPARED BY A QUALIFIED ENVIRONMENTAL CONSULTANT A MINIMUM OF 48 HOURS BEFORE COMMENCING CONSTRUCTION, WHICH WILL PROVIDE DETAILS AND PROCEDURES, AT A MINIMUM, OF THE FOLLOWING:

1.2. DISCHARGING OF TRENCH WATER.

1.3. EROSION AND SEDIMENT CONTROL.

1.4. FUEL SPILL CONTROL, INCLUDING SIZE AND TYPE OF SPILL KITS.

1.5. DRAINAGE, TREATMENT AND DISPOSAL OF DEWATERING, IN ACCORDANCE WITH REGULATORY AGENCY REQUIREMENTS. 2. CONTRACTOR TO OBTAIN PERMISSION FROM DoS PRIOR TO REMOVAL OF ANY TREES ON PRIVATE OR PUBLIC PROPERTY. TREES AND TREE ROOTS ARE TO BE PROTECTED DURING CONSTRUCTION. HAND DIG WHERE ROOTS OVER 50mm ARE ENCOUNTERED. CERTIFIED ARBORIST TO BE ENGAGED BY THE CONTRACTOR. 3. ALL BOULEVARD TREES ARE TO BE PLANTED WITH A MIN. 3.5mx2.0mx0.8m TREE PIT, CONTAINING A MIN. 8 cu.> OF TOPSOIL. THE DoS MUST

INSPECT THE EXCAVATED TREE WELLS PRIOR TO TOPSOIL INSTALLATION. ALL BOULEVARD TREES TO BE IRRIGATED.

1. SUBMIT AND OBTAIN APPROVAL OF LANDSCAPE AND IRRIGATION DRAWINGS FROM THE DISTRICT OF SOOKE PARKS DEPARTMENT PRIOR TO THE START OF CONSTRUCTION. 2. ALL PLANTING, CONSTRUCTION AND MATERIALS TO BE IN ACCORDANCE WITH DISTRICT OF SOOKE SPECIFICATIONS AND STANDARD

DRAWINGS, MMCD SPECIFICATIONS AND BC NURSERY TRADES. 3. CONTRACTOR TO CONFIRM LOCATION OF AND COORDINATE WITH APPLICABLE UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE

4. LANDSCAPE START UP MEETING IS REQUIRED TO DISCUSS TREE PIT AND SHRUB BED SIZING, LOCATIONS AND IRRIGATION INSPECTION

SCHEDULE PRIOR TO THEIR INSTALLATION. 5. ALL BOULEVARD TREES ARE TO BE COMPLETE WITH MUNICIPAL IRRIGATION AND SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATION SET FORTH IN SOOKE SUBDIVISION AND DEVELOPMENT BYLAW, AS APPLICABLE. IRRIGATION SHALL BE UNDERTAKEN IN ACCORDANCE WITH SPECIFICATIONS AND LOCATIONS SET FORTH IN SOOKE SUBDIVISION AND DEVELOPMENT BYLAW, AS APPLICABLE.

	Client Project Number	
	Client Drawing Number	
	City Project Number	
	City Drawing Number	
DISTRICT OF SOOKE	Drawing No.	
2205 OTTER POINT ROAD, SOOKE, B.C.		
CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C001	
GENERAL NOTES & LEGEND		
	Project Number	Rev.
	2241-20-128	PD





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CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C20.3	
ROADWORKS PLAN & PROFILE		
CHURCH ROAD	Project Number F	Rev.
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PC	2021-05-05	ISSUED FOR TENDER	EO	DN	JI	EMPLOYEES OR AGENTS, WITHOUT MCELHANNEY'S PRIOR WRITTEN CONSENT.	
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PRELIMINARY NOT FOR CONSTRUCTION

DISTRICT OF SOOKE	Drawing No.
2205 OTTER POINT ROAD, SOOKE, B.C.	
HURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C2
ROADWORKS PLAN & PROFILE	
	Project Number
COUNTRY ROAD	2241-20-128
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Drawing No.

Rev.

PC

C204

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PB	2021-04-16	ISSUED FOR TENDER	EO	DN	JI	INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. MCELHANNEY,	
PA	2021-03-15	90% DRAFT DETAILED DESIGN	EO	DN	JI	UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS	
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G SIZE: A1 (594 x 841mm)

	CURB RETURN TABLE								
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	CURB RETURN TABLE								

No.	LENGTH	RADIUS	DELTA	TANGENT	B.C. COORD.	E.C. COORD.
)	11.427	7.300	89°41'26"	7.261	N 5360853.962 E 446912.587	N 5360844.457 E 446908.628

CURB RETURN PROFILE

CURB RETURN PROFILE LOCATION SCALE NTS

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Drawing No.	DISTRICT OF SOOKE
	2205 OTTER POINT ROAD, SOOKE, B.C.
	CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY
	CHURCH & COUNTRY ROAD
Project Number	CURB PLAN AND PROFILES
2241-20-128	

Drawing	No.

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202	PD	2021-04-16	ISSUED FOR TENDER	EO	DN	JI	CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR	
-	PC	2021-03-15	90% DRAFT DETAILED DESIGN	EO	DN	JI	EMPLOYEES OR AGENTS, WITHOUT McELHANNEY'S PRIOR WRITTEN CONSENT.	
1	PB	2021-02-05	90% DETAILED DESIGN	TE	MM	JI	INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. MCELHANNEY,	
707 .	PA	2021-01-15	60% DETAILED DESIGN	TE	MM	JI	UNDERGROUND CONDUITS, PIPES AND CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS	
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	Client Project Number	
	Client Drawing Number	
	City Project Number	
	City Drawing Number	
DISTRICT OF SOOKE 2205 OTTER POINT ROAD, SOOKE, B.C.	Drawing No.	
TYPICAL SECTIONS AND DETAILS	Project Number	Rev
	2241-20-128	PE

DISTRICT OF SOOKE	Drawing No.	
2205 OTTER POINT ROAD, SOOKE, B.C.		
HURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C401	
ROAD CROSS SECTIONS		
CHURCH ROAD	Project Number	Rev.
STA. 9+860 TO STA. 9+930	2241-20-128	PC

DISTRICT OF SOOKE	Drawing No.		
2205 OTTER POINT ROAD, SOOKE, B.C.			
CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C402	402	
ROAD CROSS SECTIONS			
CHURCH ROAD	Project Number	Rev.	
STA. 9+940 TO STA. 10+010	2241-20-128	PC	

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PC	2021-04-16	ISSUED FOR TENDER	TE	MM	JI	EMPLOYEES OR AGENTS, WITHOUT MCELHANNEY'S PRIOR WRITTEN CONSENT.	
PD	2021-05-05	ISSUED FOR TENDER	TE	MM	JI	CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR	
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						THIS DRAWING AND DESIGN HAS BEEN PREPARED FOR THE CLIENT IDENTIFIED, TO MEET THE STANDARDS AND	
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DISTRICT OF SOOKE	Drawing No.			
2205 OTTER POINT ROAD, SOOKE, B.C.	• • • • •			
CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C403]3		
ROAD CROSS SECTIONS				
CHURCH ROAD	Project Number	Rev.		
STA. 10+000 TO STA. 10+070	2241-20-128	PD		

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PB	2021-03-15	90% DETAILED DESIGN	TE	MM	JI	INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. MCELHANNEY,	
PA	2021-01-15	60% DETAILED DESIGN	TE	MM	JI	UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR OMITTED FROM THIS	
Rev	Date	Description	Drawn	Design	App'd	PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.	ORIGINAL DWG SIZE

DISTRICT OF SOOKE	Drawing No.		
2205 OTTER POINT ROAD, SOOKE, B.C.	C404		
CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY			
ROAD CROSS SECTIONS			
CHURCH ROAD	Project Number	Rev.	
STA. 10+080 TO STA. 10+150	2241-20-128	PC	

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DISTRICT OF SOOKE	Drawing No.				
2205 OTTER POINT ROAD, SOOKE, B.C.	0405				
CHURCH ROAD IMPROVEMENTS - SOOKE ROAD TO WADAMS WAY	C405	C405			
ROAD CROSS SECTIONS					
CHURCH ROAD	Project Number	Rev.			
STA. 10+160 TO STA. 10+200	2241-20-128	PC			

Rev	Date	Description	Drawn	Design	App'd	THIS PLAN. PRIOR TO CONSTRUCTION CONTRACTOR SHALL EXPOSE LOCATIONS OF ALL EXISTING FACILITIES BY HAND DIGGING OR HYDROVAC AND ADVISE THE ENGINEER OF POTENTIAL CONFLICTS.	ORIGINAL D
1	2021-02-19	ISSUED FOR COORDINATION	SS	JH	JH	ANY UNDERGROUND CONDUITS, PIPES, CABLES OR OTHER FACILITIES WHETHER SHOWN OR MITTED FROM	
2	2021-02-26	ISSUED FOR REVIEW	SS	JH	JH	INFORMATION ON EXISTING UNDERGROUND FACILITIES MAY NOT BE COMPLETE OR ACCURATE. AES	
3	2021-04-19	ISSUED FOR TENDER (DRAFT)	SS	JH	JH	EMPLOYEES OR AGENTS, WITHOUT AES ENGINEERING'S PRIOR WRITTEN CONSENT.	
4	2021-05-12	ISSUED FOR TENDER	SS	JH	JH	EMPLOYEES, SUBCONSULTANTS AND AGENTS WILL NOT BE LIABLE FOR ANY LOSSES OR OTHER CONSEQUENCES RESULTING FROM THE USE OR RELIANCE UPON, OR ANY CHANGES MADE TO, THIS DRAWING, BY ANY THIRD PARTY, INCLUDING CONTRACTORS, SUPPLIERS, CONSULTANTS AND STAKEHOLDERS, OR THEIR	
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						THIS DRAWING AND DESIGN IS THE PROPERTY OF AES ENGINEERING AND SHALL NOT BE USED, REUSED OR	

- 1. POLE BASE BACK-FILL TO CONFORM TO MMCD SPECIFICATIONS, LATEST EDITION.
- ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
 CONFIRM BOLT CIRCLE RADIUS REQUIREMENTS WITH POLE
- MANUFACTURER PRIOR TO INSTALLATION OF CONCRETE BASES.
 4. CONCRETE POLE BASE TO MEET MMCD STANDARDS. TYPE 'C' CONCRETE POLE BASE SUITABLE FOR SERVICE BASE. NANAIMO PRECAST LTD., FRASER PRECAST LTD., OR APPROVED EQUAL. ANY CAST IN PLACE POLE BASES MUST BE REVIEWED AND SIGNED OFF BY A BC REGISTERED STRUCTURAL ENGINEER PRIOR TO AND AFTER POURING OF CONCRETE. ALL ASSOCIATED COST FOR THE SERVICES OF A STRUCTURAL ENGINEER ARE THE RESPONSIBILITY OF THE CONTRACTOR.

3 TYPE 'C' POLE BASE DETAIL E2.00 NOT TO SCALE

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3960 Quadra Street Suite 500 Victoria BC Canada V8X 4A3 Tel 250 370 9221

DESTROY ALL PRINTS BEARING PREVIOUS REVISION

1-21-136

ELECTRICAL SPECIFICATIONS

16010 - SCOPE

- 1. Provide all items, material, equipment and labour required to complete the work or operations mentioned herein or indicated on the drawings. 2. Pay for all associated fees such as electrical permits, and inspection services by the Provincial Inspection Branch
- 16011 DISCREPANCY
- 1. Carefully examine all plans and specifications pertaining to this contract and visit site to determine all factors affecting costs and include in contract sum. Notify engineer of discrepancies or conflicting information before submitting price. Failing such notification, this contractor shall meet all such requirements without extra cost to the owner.
- 16012 COORDINATION
- 1. Consult with all other trades to confirm locations of equipment, underground utilities and BC Hydro pad mount transformers. and cooperate with all trades to ensure progress of installation without conflict. In case of difference of opinion, refer the matter to the Engineer for final decision.
- 16013 CODES AND PERMITS
- 1. All work shall be in accordance with the current edition of the Canadian Electrical Code as amended and adapted by the Province of British Columbia. Obtain all necessary permits and licenses and pay all fees in connection with the work.

16014 - WORKMANSHIP

- Carry out all work in a neat and workmanlike manner to the engineer's satisfaction. Provide engineer with a minimum 5 business days notice prior to covering any portion of the electrical system. After engineer has reviewed the site,
- correct any deficiencies in the work to the satisfaction of the engineer. 3. Provide engineer with a minimum 5 business days notice prior to project completion. After engineer has reviewed the site, correct any deficiencies in the work to the satisfaction of the engineer.

16015 - C.S.A.

- 1. All electrical material, equipment and fittings must bear evidence of C.S.A. approval or special certifications acceptable to the Chief Electrical Inspector. Unapproved items shall be immediately returned to the supplier in exchange for approved items.
- 16016 EQUIPMENT/DEVICES
- All equipment shall be installed as shown on plans and details. 2. Street lighting system shall consist of a complete operating system, including but not necessarily limited to; luminaires, lamps, poles, concrete bases, anchor bolts, conduit, wire, in-line fuses, and all other equipment shown on plans.

16017 - INTERRUPTIONS

- 1. Ensure that existing services of any kind are not unduly disturbed and/or interrupted by this installation. Coordinate service interruptions with the Engineer.
- 16018 EXTRAS
- 1. Obtain an official written work order before the start of extra work. No claim shall be raised without such written work order. 2. No extra will be allowed on this contract due to lack of proper survey of existing conditions by this contractor.

16019 - AS-BUILT DRAWINGS

- 1. Keep a set of white prints and make all changes in red. Make this set of prints available to the engineer at any time. Submit the set of as-built drawings to the electrical engineer at the time of the final inspection.
- 2. Should the contractor require the electrical consultant to prepare the as-built bond or cad disk, the cost would be \$275 per plan, unless excessive changes have been required costs associated with such excessive changes should be included with the change orders.

16020 - TESTING

- 1. Carry out tests of installation as it progresses. Repair any faulty installation at own expense.
- 16021 CONDUIT AND BOXES
- All conduit to be RPVC as indicated. All connectors and coupling shall be installed as per manufactures instructions.
- Wherever possible, street lighting duct shall be in common trench with B.C Hydro and Telus. Other wise ducts shall be routed parallel or perpendicular to the roadway and run directly between adjacent poles. Junctions shall be made at a pole base or in a junction box located adjacent to a pole base. Use of junction boxes must be approved by the Engineer. All bends to be large radius type. Minimum depth of bury below finished grade shall be: 0.6m - areas not subject to vehicular traffic
- 0.9m subject to vehicular traffic 3. Exposed conduit shall be hot-dip galvanized rigid steel. Conduit clamps and fittings shall be hot dip galvanized malleable iron. Buried conduit shall be rigid PVC. Couplings shall be threadless type, approved for cement welding. Minimum size shall be 32mmØ.
- 4. BC Hydro service entrance conduit shall be 75mm. Conduit stub beyond project boundaries shall be 50mm
- 16022 GROUNDING
- 1. Grounding connections, if exposed, shall be located in the service base. Grounding shall be achieved by the use of two (2) 19mm x 3000mm ground rods, plate electrode, or other method approved by the municipal engineer to achieve the required resistance.

16023 - CONDUCTORS

- Shall be sized to not exceed a voltage drop of 5% over the length of the run. Shall be stranded copper, with RW-90 (x-link) insulation. Minimum sizes to be as follows:
- #6 AWG for incoming Hydro

#6 AWG - for feeder runs #12 AWG - on pole

#14 AWG - for control

#10 AWG - Irrigation and tree receptacles

- Conductors shall be sized in accordance with ballast start and running loads, voltage drop of line, and anticipated future extension of circuit loads.
- 16024 FUSES
- 1. Each luminaire shall be protected by a 10 amp HRC fuse with HEB waterproof fuse holders located inside the hand hold of each pole. Conductors shall allow for the fuse holder to be removed from the pole base for maintenance.

16025 - JUNCTION BOXES

1. Underground junction boxes shall only be used with special approval of the Municipal Engineer and where authorized by the Provincial Electrical Inspector. If approved, junction boxes shall be plastic or precast concrete with a bolt locking devise and marked "ELECTRICAL" with permanent lettering.

16026 - PHOTO-FLECTRIC CONTROLLER

1. Photo-electric controllers shall be cadmium sulphide type (120V) with twist lock base. Operation shall be delayed action with externally adjustable sensitivity.

16027 - SERVICE PANEL

1. Shall be in a NEMA 3 enclosure The service panel shall contain a service breaker, lighting contactor, selector switch (HOA). The service enclosure shall have only those openings necessary to accommodate conduits at the time of installation. Service conduits shall enter or leave enclosure though threaded hubs.

16028 SHOP DRAWINGS

- 1. The electrical contractor is to submit to the engineer, for review, shop drawings of major electrical equipment. Such equipment shall include, but not be limited to panelboards, kiosks, luminaires, controls, fixtures and fittings not provided by the owner. 2. All drawings are to be submitted in true digital PDF format (no scans) and a reviewed copy will be returned to the coordinating professions for distribution
- to the electrical trade. 3. The engineer's review of shop drawings is to be for general design only and will not relieve the electrical trade or suppliers from responsibility for errors,
- proper fitting, construction of work, and furnishing of materials. Review will not be construed as approving departures from contract document requirements if such departures are not specifically noted. The electrical trade is responsible for verifying all dimensions.
- 4. Provide shop drawings for the following electrical products:
- 4.1. Power distribution equipment 4.2.

Kiosks 4.3. Luminaires

- 4.4. Lighting controls
- 4.5. Wiring devices

4.6. Junction boxes, manholes, and covers

	JOB NO./NAME1-21-PANELASYSTEM120/2TYPELOAILOCATIONSERMOUNTINGSURNO. CIRCUITS24BUS SIZE100ASYM. FAULT RATING10KA	-136 / C 240V, 1 D CEN ⁻ VICE K FACE NC	Churci Ph, 3w Ire Iosk	H RD				
	DESCRIPTION	BRK	POLE	ССТ	ССТ	POLE	BRK	DESCRIPTION
*	LIGHTING	15	1	01	02	1	15	LIGHTING
**	FUTURE LIGHTING	15	1	03	04	1	15	FUTURE LIGHTING
*,***	POLE RECEPTACLES	15	1	05	06	1	15	POLE RECEPTACLES
*,***	FUTURE POLE RECEPTACLES	15	1	07	08	1	15	FUTURE POLE RECEPTACLES
**	FUTURE 2182 SOOKE LIGHTING	15	1	09	10	1	15	KIOSK LTG/REC
**	FUTURE 2182 SOOKE LIGHTING	15	1	11	12	1	15	IRRIGATION CONTROLLER
	SPARE	20	1	13	14	1	15	SPARE
	SPARE	20	1	15	16	1	15	SPARE
				17	18	1	15	SPARE
				19	20			
				21	22			
				23	24			

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	2021-05-12	ISSUED FOR TENDER	SS	JH	JH		1
}	2021-04-19	ISSUED FOR TENDER (DRAFT)	SS	JH	JH		1
2	2021-02-26	ISSUED FOR REVIEW	SS	JH	JH		1
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McElhanney

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KIOSK NOTES:

- 1. LOCKABLE METERED KIOSK ON CONCRETE BASE C/W 200A-120/240V, 1PH, 3W, 12 CIRCUIT PANELBOARD, CONTACTORS AS REQUIRED AND PHOTOCELL. PANELBOARD C/W 200A-2P MAIN BREAKER AND GFCI SUB-BREAKERS AS PER PANEL SCHEDULE. 60A-2P AND 40A-2P CIRCUITS TO BE CONTROLLED BY CONTACTOR AND PHOTOCELL. ENCLOSURE C/W GFCI RECEPTACLE. KIOSK SHOP DRAWINGS MUST BE SUBMITTED TO BC HYDRO FOR REVIEW AND ACCEPTED PRIOR TO ORDERING. POWDER COAT RAL 3007 TO MATCH POLES. VALID MANUFACTURING #KSDA48-3016P-150276, AC DANDY OR APPROVED ALTERNATE
- 2. BC HYDRO SERVICE DUCT. MINIMUM BC HYDRO SERVICE DUCT SIZE FOR METERED KIOSKS SHALL BE 75mm DIAMETER AND 1m SWEEP 90°.
- 3. ALL DIMENSIONS NOTED ARE IN MILLIMETERS UNLESS NOTED OTHERWISE
- 4. ENCLOSURE TO HAVE A 16mm (5/8") HOLE C/W TAMPER-PROOF/ WEATHERPROOF KNOCKOUT PLUG ON ENCLOSURE ROOF LOCATED AS CLOSE TO THE FRONT OF THE ENCLOSURE WITHIN 610mm (24") RADIUS OF THE METER, AT LEAST 152mm (6") AWAY FROM ALL EDGES.
- 5. SUPPLY AND LOAD CONDUITS ARE NOT PERMITTED TO CROSS. PROVIDE DEDICATED LOAD SIDE CONDUIT TO BC HYDRO METER BASE.
- 6. PROVIDE DOUBLE PAD LOCK ATTACHMENT FOR KIOSK DOOR HANDLE.
- 7. DISTANCE FROM METER SOCKET COVER TO INSIDE OF CLOSED ENCLOSURE DOOR TO BE 254-305mm.
- 8. CONCRETE BASE TO SET TO TO ENSURE METER IS MINIMUM 915mm ABOVE FINISHED GRADE.
- 9. KIOSK TO BE IN COMPLIANCE WITH BC HYDRO STANDARD ES54 S1-01 REV 9.
- 10. PROVIDE SHOP DRAWINGS FOR BC HYDRO APPROVAL PRIOR TO ORDERING.
- 11. PROVIDE SPACE FOR IRRIGATION CONTROLLER. 356mm (W) x 432mm (H) WITH PLYWOOD BACKBOARD.

CONCRETE PAD - 25MPa @ 28 DAYS WITH 10M REBAR AT 300mm ON CENTRE TOP AND BOTTOM, AND 2 - 15M CONTINUOUS ALONG FULL PERIMITER.

- BC HYDRO SERVICE DUCT -SEE NOTE 2

