

City of Coquitlam

Request for Proposals
RFP No. 21-006

Minor Concrete Works Services

Issue Date: October 4, 2021

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SUMMARY OF KEY INFORMATION

RFP Reference	RFP No. 21-006 Minor Concrete Works Services
Overview of the Opportunity	The purpose of this RFP is to invite Proposals from professional, qualified, experienced companies for the provision of Minor Concrete Works Services on an “as and when needed” basis.
Closing Date and Time	2:00 pm local time Thursday, October 28, 2021
Instructions for Proposal Submission	Proposals are to be consolidated into one PDF file and uploaded electronically through Qfile, the City’s file transfer service accessed at qfile.coquitlam.ca/bid 1. In the “Subject Field” enter: RFP Number and Name 2. Add files in .pdf format and Send (Ensure your web browser remains open until you receive 2 emails from Qfile to confirm receipt.) Phone 604-927-3037 should assistance be required. The City reserves the right to accept Proposals received after the Closing Date and Time.
Obtaining RFP Documents	RFP Documents are available for download from the City of Coquitlam’s website: http://www.coquitlam.ca/140/Bid-Opportunities Printing of RFP documents is the sole responsibility of the Proponents.
Instructions to Proponents	The guidelines for participation that will apply to this RFP are posted on the City’s website: Instructions to Proponents
Questions	Questions are to be submitted in writing quoting the RFP number and name up to 3 business days before the Closing Date sent to email: bid@coquitlam.ca
Addenda	Proponents are required to check the City’s website for any updated information and addenda issued, before the Closing Date at the following website: http://www.coquitlam.ca/140/Bid-Opportunities
Withdrawal of Submission	Proposals may be withdrawn by written notice only, made by an authorized representative of the Proponent sent to email: bid@coquitlam.ca prior to the Closing Date and Time.
Terms and Conditions of Contract	City's Standard Terms and Conditions - Purchase of Goods and Services will apply to the Contract awarded as a result of this RFP.

DEFINITIONS

“City” “Owner” means City of Coquitlam;

“Contract” means the contract for services or City Purchase Order that will be issued to formalize with the successful Proponent through negotiation process with the City based on the proposal submitted and will incorporate by reference the Request for Proposals, Specifications, Drawings, any additional subsequent information, any addenda issued, the Proponent’s response and acceptance by the City;

“Contractor” means a Proponent whose Proposal the City has accepted and to whom the Contract has been awarded;

“MMCD” means Master Municipal Construction Documents

“Price” means the amount that will be paid by the City to the Contractor for the successful completion of the goods and Services.

“Proponent” means responder to this Request for Proposals;

“Proposal” means the submission by the Proponent;

“RFP” “Request for Proposals” shall mean and include the complete set of documents, specifications, drawings and addenda incorporated herein, and included in this Request for Proposals;

“Services” “Work” “Works” means and includes the provision by the successful Proponent of all services, duties, and expectations as further described in this RFP. This will also mean the whole of the work, tools, materials, labour, equipment, travel, and all that is required to be done, furnished and performed by the Contractor;

“Supply” “Provide” shall mean supply and pay for and provide and pay for;

“Shall” “Must” “Will” “Mandatory” means a requirement that must be met;

1 INSTRUCTIONS TO PROPONENTS

1.1 Purpose

The purpose of this RFP is to invite Proposals from professional, qualified, experienced companies for the provision of **Minor Concrete Works Services** on an “**as needed and when requested**” basis.

The Work involves a variety of road restoration work, including but not limited to; concrete curb replacements (various types) and concrete sidewalk/sidewalk crossing replacements.

The City requires supply and placement of materials and services for the items in accordance with the RFP documents and as indicated in the **Schedule of Quantities and Prices in the Proposal Submission Form**.

1.2 Instructions to Proponents

Proponents are advised that the rules for participation that will apply to this RFP are posted on the City’s website at: [Instructions to Proponents](#).

By submission of a proposal in response to this RFP, the Proponent agrees and accepts the rules by which the RFP process will be conducted.

Proponents should complete and submit the information requested in this RFP document on the Proposal Submission Form

1.3 Term of Contract

The Term of the Contract will be for a One (1) year term, with an option to extend for additional terms, as mutually agreed upon between the parties.

1.4 Prices

Prices shall be all-inclusive and stated in (Canadian Funds). Prices shall remain FIRM for the completion of the Services.

Prices shall include the provision of all tools, materials, equipment, labour, transportation, fuel, supervision, management, overhead, materials, traffic control, services, all necessary packing and crating (where applicable), Canadian Customs import and export duties, freight, handling, transportation, insurance, all other associated or related charges, foreign, federal, provincial and municipal taxes, bonding costs, all licences, permits, inspections and all other requirements necessary for the commencement, performance and completion of Services as described.

Taxes are to be shown separately at time of invoicing.

The lowest price of any Proposal will not necessarily be accepted but will be analysed to determine best overall value.

1.5 Examination of Proposal Documents

The Proponent must carefully examine the Proposal Documents. The Proponent may not claim, after the submission of a Proposal, that there was any misunderstanding with respect to the requirements and conditions imposed by the City.

There will be no opportunity to make any additional claim for compensation or invoice for additional charges that were not considered and included in the Proposal price submitted,

unless the City, at its sole discretion, deems that it would be unreasonable to do so, or there are additional work requirements due to unforeseen circumstances.

All information in this RFP Document and any resulting Addenda will be incorporated into any Contract between the City and the successful Proponent, and therefore must be considered by the Proponent in preparing their Proposal.

1.6 Eligibility

For eligibility, and as a condition of award, the successful Proponent would be required to meet or provide the equivalent:

- a) Commercial General Liability (CGL) insurance \$5M coverage provided on the City's [Certificate of Insurance - Contractor Form](#)
- b) Be registered and provide WorkSafeBC clearance
- c) [Prime Contractor Designation Form](#) and be responsible for all the work at the site in accordance with WCB regulations
- d) Accept the City's standard Terms and Conditions posted on the City's website: [Terms and Conditions of Purchase](#)
- e) A City of Coquitlam or Tri Cities Intermunicipal [Business License](#)

These items are not required as part of this Proposal Submission but will be required prior to entering into an agreement with the City for Services.

1.7 Evaluation Criteria

The criteria for evaluation of the Proposals may include, but is not limited to:

Experience, Capacity and Resources – 40 points

- Background, Stability and Capacity
- Equipment and Resources
- Experience, and demonstrated successful performance on projects of similar size, scope and complexity
- References and Quality of Previous Work
- Key Personnel & Sub-contractors

Technical – 30 points

- Proposed Response Times for Work Requests
- Availability and Commitment
- Methodology, set-up and execution of the work
- Quality Control and Quality Assurance
- Compliance to Specifications

Financial – 30 points

- Unit Prices,
- Value Added Benefits
- Sustainable Benefits and Social Procurement

And, upon selection of one or more lead Proponent(s):

- References may be contacted to verify successful completion of successful projects including those in the City of Coquitlam
- Interviews may be conducted

The criteria listed above will be used to determine best overall value to the City. Proposals will be compared to select one or more that are most advantageous.

The City reserves the right to check references on other projects even if they are not specifically listed. Information obtained from references will be confidential and will not be disclosed to any Proponents.

The City may, at its discretion, request clarification or additional information from a Proponent with respect to any Proposal and the City may make such requests to only selected Proponents. The City may consider such clarifications or additional information in evaluating a proposal.

Proponents agree the City may disclose names of Proponents, however, unevaluated results, unit prices, rates or scores will not be provided to any Proponents.

Incomplete Proposals or Proposals submitted on forms other than the Proposal Form may be rejected.

The City reserves the right to reject without further consideration any Proposal which in its opinion does not meet the criteria it considers essential for the work outlined in this RFP.

1.8 Requested Departures

The Proponent acknowledges that the departures requested in the Proposal Submission Form will not form part of the Contract unless and until the City specifically consents in writing to any of them. The City will evaluate those departures as per Evaluation Criteria.

2 GENERAL CONDITIONS OF CONTRACT

2.1 Terms and Conditions

The City's [Terms and Conditions](#), as published on the City's website, the Conditions listed below, along with the accepted Proposal, the RFP, addenda and any subsequent clarifications, correspondence, the totality of which will constitute the Contract.

2.2 Supplementary General Conditions

See [Appendix A - City of Coquitlam Supplementary General Conditions](#).

PROJECT SPECIFIC TERMS AND CONDITIONS

2.3 On-Site Hazards and Utilities Present

- i. The Contractor is to make themselves aware of any and all on-site hazards including but not limited to underground and overhead utilities in or near to the work area and to take every precaution necessary to eliminate any risk that may exist. If an on-site hazard exists that is causing or may cause injury to any person(s), the Contractor is to take immediate action to mitigate risk and damage, and then to notify the City's contact person.
- ii. The locations of all such hazards are to be investigated and verified in the field by the Contractor.

2.4 One Year Warranty

The Contractor shall guarantee the work and materials against any defects arising from adverse weather conditions, faulty installation, faulty materials supplied under the Contract, or faulty workmanship, which may appear within one (1) year from the date of acceptance of the work by the City. Faulty or damaged materials shall be replaced, and any defects discovered or failures which occur during the guarantee period, shall be rectified to the satisfaction of the City on-site within two (2) weeks of notification. This shall be at no cost to the City.

3 SCOPE OF SERVICES

3.1 Scope of Work

The Work involves a variety of road restoration work, concrete curb/gutter and concrete curb replacements and concrete sidewalk/sidewalk crossing replacements on an “as needed and when requested” basis.

The Work consists of:

- a) Supply and placement of materials and the provision of services for the items indicated in the Schedule of Quantities and Prices;
- b) Provision of any other works incidental to the proposed improvements;
- c) Proceed with works under the Contract within 2 week written notice from the City (Work Order), unless otherwise agreed to by both parties.

3.2 Specifications

All Work shall conform to the MMCD Standards (Platinum Edition) and Specifications, [Appendix B – City of Coquitlam Supplementary Contract Specifications](#) and [Appendix C – Supplementary Standard Drawings](#) as provided in this document.

3.3 Unit Prices

All Unit Prices shall be all-inclusive stated in (Canadian Funds) and shall remain FIRM for the Term of the Contract for completion of the Services, excluding GST.

The Unit Prices provided in the Schedule of Quantities and Prices shall include the cost of all the labour, tools, transportation, fuel, mobilization, materials, equipment and permits necessary to complete the works as specified in the RFP.

The City does not expressly nor by implication, agrees that the actual amounts of work or material of any item described in the Schedule of Quantities will correspond with the provided ranges, but reserves the right to increase, decrease or omit the amounts of any portion of the Work that may be deemed necessary by the City.

3.4 Schedule of Quantity Ranges and Unit Prices

See Schedule of Quantities and Prices for a full list of descriptions and unit measures for each item. Rates for each item shall be estimated per unit of measure.

The City shall negotiate a unit price with the Contractor on items not covered in the Schedule of Quantities and Prices or for quantities greater than the quantity ranges indicated. All estimated unit prices shall include the cost of mobilization, demobilization, traffic control and all other work incidental to the proposed improvements.

See [Appendix D – Summary of Concrete Quantities – 2017 – 2020](#) for approximate quantities constructed in 2017, 2018, 2019 & 2020.

The Contractor shall make no claim for anticipated profits, for loss of profit, for damages, or for any extra payment whatsoever, except as provided herein, because of any difference between the amount of actual work done and material actually furnished and the values stated above.

3.5 Quantity Ranges

Quantity ranges for determining Unit Prices to be paid shall be based on the number of units accomplished per visit. A visit shall include the cost of mobilization, demobilization of all resources required to complete the units as described in the RFP. The Quantity Range/ Visit will include all units within the same general work site (street or traffic control zone).

For example; if the City has five sidewalk panels that are not abutting within the same work site (street block or traffic control zone), then the total area of all five sidewalk panels will be used to determine the unit price to be applied.

See [Appendix D – Summary of Concrete Quantities – 2017 – 2020](#) for approximate quantities and ranges for each of the unit price items from 2017 to 2020.

3.6 Locations of Work

Locations for the work items described in the Schedule of Quantities and Prices shall be determined by the City on an as needed basis.

3.7 Written Notification

The Contractor will be responsible to provide written notification to property owners directly impacted by the work a minimum of 48 hours prior to the work taking place. The City will assist with locating property owner information and will create door hangers that can be used.

The cost of providing the necessary notification is considered to be incidental and no additional payment will be made.

The City Inspector must be advised of all work taking place on any given day including location and activities.

3.8 Force Account Rates

Force Account Work will be performed in accordance with MMCD GC 10.1, 10.2 and 10.3. A list of labour and equipment force account rates will be provided by the Contractor upon request by the City of Coquitlam.

3.9 COVID-19 Safety Requirements

Contractor is responsible for following all COVID - 19 site safety requirements which are posted by WorkSafeBC and subject to change as the situation evolves.

3.10 Utilities and Services

All utilities and/or other services required by the Contractor shall be the responsibility of the Contractor.

With respect to existing site utilities and services, it is the responsibility of the Contractor to contact BC One-call to determine their exact location on the site.

3.11 Rejected Work

Defective Work, whether the result of poor workmanship, use of defective products or damage through carelessness or other act or omission of the Contractor, shall be rectified at the Contractor's expense. **All deficiencies identified by the City Inspector must be**

rectified within 2 week unless otherwise approved by the City Inspector. All deficiencies must be rectified and accepted by the City Inspector prior to the Contractor submitting an invoice for payment.

3.12 Clean Up

At the end of each day the Contractor shall ensure the site is safe and secure and, at the conclusion of work, the Contractor shall clean out all debris promptly remove any equipment or materials and leave the site of the work in a clean and tidy condition.

3.13 Equipment, Materials and Workmanship

The Contractor shall ensure that they are qualified and experienced and have the necessary resources for the successful completion of the work including any amendments as they may occur during the execution of the work.

All equipment, materials and labour utilized and all workmanship shall comply with all current codes, standards, regulations and statutes pertaining to the services including, but not exclusively:

- a) WorkSafeBC
- b) BC Provincial Motor Vehicle Act
- c) BC Ministry of Transportation and Infrastructure
- d) BC Ministry of Environment
- e) Workplace Hazardous Material Information System (WHMIS)
- f) Department of Fisheries and Oceans (DFO)

Equipment must be in good mechanical repair and not require excessive maintenance or create excessive down time that jeopardizes the Contractors ability to provide the services agreed to.

Appendix A –
City of Coquitlam
Supplementary
General Conditions –
Minor Concrete Works Services

SUPPLEMENTARY GENERAL CONDITIONS

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4.0 CONTRACTOR

4.1 Control of the Work

4.1.1

(Add to clause 4.1.1 as follows):

The *Contractor* is responsible for all survey layout for the construction of the Work to the design specifications and/or elevations as shown on the contract drawings or as amended on site by the Contract Administrator.

4.1.2

(Add to clause 4.1.2 as follows):

The Contractor shall not deposit any material upon any street, sidewalk, boulevard or other property, without the Contract Administrator's or the Owner's permission, nor shall he allow the same to remain longer than necessary. All surplus spoil and rubbish and other waste material shall be removed from the site so that the area of work is cleaned up and restored to as clean a condition as it was before the Contract started, within four days of the Contract Administrator's written request to do so, failing which the Owner may carry out the work or have the work carried out by others and recover the costs from the Contractor or may deduct the cost from any monies due or that may become due to the Contractor.

4.1.3

(Add new clause 4.1.3 as follows):

Work can be performed during the normal weekday working hours of 0700h to 1900h, unless specified otherwise in the approved Sidewalk and Road Closure Permit. Written permission from the Contract Administrator will be required for any works to be performed outside of the normal working days of Monday to Friday.

No Sunday work will be permitted, except in case of emergency and then only with the written permission of the Contract Administrator and to such extent as he deems necessary.

In case the Contractor decides to work on a day which is a Statutory Holiday, he shall provide the Contract Administrator in writing at least (4) days in advance of such holiday, stating those places where said work is to be conducted. In case the Contractor fails to give such notice in advance of any Statutory Holiday, no work within the terms of the contract shall be done on such holiday.

4.2 Safety

4.2.2

(Add new clause 4.2.2 as follows):

In an emergency, gas pipeline rupture or leak, Contact FortisBC's 24 Hour Emergency Line (1-800-663-9911) and Coquitlam Fire (911) immediately and then City Coquitlam Utility Control Centre (604-927-6287).

4.3 Protection of Work, Property and the Public

4.3.1

(Replace clause 4.3.1 as follows):

In performing the Work, the Contractor shall protect the Work and the Owner's property and other person's property from damage. The Contractor shall at the Contractor's own expense make good any such damage which arises as the result of the

Contractor's operations. If the Contractor causes damage to private property, the Contractor must obtain a written release from the owner of the damaged property.

4.3.5.1

(Add clause 4.3.5.1 as follows):

The Contractor shall notify the Contract Administrator immediately if damage occurs to any City or third party utility or structure.

4.8 Workers

4.8.2

(Add new clause 4.8.2 as follows):

The Contractor shall, upon the request of the Contract Administrator, remove any person employed by him for the purposes of the Contract who, in the opinion of the Contract Administrator, is incompetent or has conducted himself improperly, and the Contractor shall not permit a person who has been removed to return to the Place of Work.

4.11 Subcontractors

4.11.3

(Replace clause 4.11.3 as follows):

The Contractor shall, upon notice of the Contract Administrator, remove any Subcontractor employed by him for the purposes of the Contract who, in the opinion of the Contract Administrator, is incompetent or has conducted himself improperly, and the Contractor shall not permit the Subcontractor who has been removed to return to the Place of Work. The removal of a Subcontractor under this clause shall not be considered a Change and the Contract Price and the Contract Time shall not be adjusted.

4.12 Test and Inspections

4.12.11

(Add clause 4.12.11 as follows):

Failure to follow DFO/FLNRO BMPs and the approved permit for Instream Works or as instructed by Contract Administrator will result in shut-down of the work. The Contractor must take all steps to mitigate impacts to aquatic resources, environment and habitats before work can re-start on site. No claim will be accepted by the Owner for costs associated with this work shut-down.

4.14 Final Clean-up

4.14.1

(Replace clause 4.14.1 as follows):

Prior to submitting an invoice, the Contractor shall remove all surplus products, tools, construction machinery and equipment relating to the Work that is not required for the performance of the remaining Work. The Contractor shall also remove waste, debris and waste products other than caused by the Owner or Other Contractors, and leave the Place of Work clean and suitable for occupancy by the Owner unless otherwise specified in the Contract Documents or directed by the Contract Administrator.

4.16 Notice of Disruption

4.16.2

(Add new clause 4.16.2 as follows):

Notify occupants directly affected by the work 48 hours in advance of commencement of construction. Cost of notifying area occupants of ensuing construction and delivery of the notices is incidental to the Contract.

10.0 FORCE ACCOUNTS

10.1 Force Account Costs 10.1.1(1) ***(Add to clause 10.1.1(1) as follows):***
Costs for the Contractor's Superintendent, Project Managers, Health and Safety Personnel, and Office/Administration Staff are not eligible for labour costs as those costs are considered incidental to the mark up owing for overhead and labour.

12.0 HAZARDOUS MATERIALS

12.2 Discovery of Hazardous Materials 12.2.2 ***(Replace clause 12.2.2 as follows):***
If the Contract Administrator observes any materials at the Place of Work that the Contract Administrator knows or suspects may be Hazardous Materials, then the Contract Administrator shall immediately give written notice to the Contractor and the Contractor shall immediately stop the Work or portion of the Work as required by GC 12.2.1(1).

13.0 DELAYS

13.8 Direction to Stop or Delay 13.8.3 ***(Add new clause 13.8.3 as follows):***
The Contract Administrator may order the Contractor to stop work if at any time the Contract Administrator is of the opinion that there exists a danger to life or property.

21.0 WORKERS COMPENSATION REGULATIONS

21.2 Contractor is "Prime Contractor" 21.2.1 ***(Add to clause 21.2.1 as follows):***
The Contractor must provide a signed "Prime Contractor Designation" form as provided in Appendix II of these Supplementary General Conditions.

24.0 INSURANCE

24.1 General 24.1.1 ***(Replace section 24.0 as follows):***
Importance of Prompt Attention to Insurance Requirements:
The Contractor shall provide the Owner with satisfactory evidence that the insurance required to be provided under this GC is in full force and effect.

24.1.2 **Acceptable Insurance Carriers:**
The insurer issuing any policy, or other document which is evidence of insurance to the Contractor, shall be an insurer licensed by the Superintendent of Insurance in the Province of British Columbia and registered with the Department of Insurance for Canada in Ottawa, except the Insurance Corporation of British Columbia, which is not subject to this condition.

24.1.3 **Owner's Right to Change Terms:**
Notwithstanding anything contained in the Contract Documents, the Owner will have the right to request a change to the specified

terms and conditions respecting insurance at the sole option of the Owner. The Contractor will be notified in writing of any changes required by the Owner and will provide a quotation for such work.

24.1.4 Delivery of Insurance Documents:

All insurance policies or other acceptable specified documents shall be delivered to, and accepted by, the Owner before the Contract Documents are signed. No work shall be commenced by the Contractor or by anyone acting on the instructions of the Contractor, until the required Insurance Documents have been accepted by the Owner and the Contract Documents have been duly signed by the Owner and the Contractor.

24.1.5 Owner's Right to Insure:

Should the Contractor for any reason not comply with the specified requirements with respect to the insurance, the Owner will, at the Owner's option, have the right to purchase all or any part of such insurance which, in the opinion of the Owner, may be required to provide the specified insurance, and, in the event of so doing, the Owner will have the right to pay the premiums for such insurance and to withhold the amount of premiums so paid from any amount due and payable to the Contractor under the Contract.

24.2 Required Insurance

24.2.1 General

Damage to work (excluding Building Contracts where Section 24.3, Paragraph 24.3.1, Further Responsibilities of Contractor, applies).

The Contractor shall be responsible for any and all loss, or damage, whatsoever which may occur on or to the works, completed or otherwise, until such time as the entire works have been completed and the Notice of Acceptance has been issued by the Owner, except that loss or damage caused solely by an act of the Owner. In the event of any loss or damage occurring, the Contractor shall, on notice from the Contract Administrator, immediately put the works into the condition it was immediately prior to such loss or damage, all at the

Contractor's expense, except where such loss or damage was caused solely by an act of the Owner.

The Contractor shall be responsible for any and all loss or damage whatsoever which may occur on or to the works, completed or otherwise, arising out of the negligence of the Contractor, any subcontractors, and the employees or agents of any of them.

24.2.2 Public Liability Insurance:
(Other than Automobile Third Party Liability Insurance):

Evidence of Insurance:

The Contractor shall deposit with the Owner, before the work commences, a Certificate of Insurance, signed by an authorized representative of the insurer, such certificate to be as shown in Appendix III.

Effective Dates and Terms:

The effective date of the Certificate of Insurance shall be the date of the execution of the Contract Agreement and the term of this policy shall be from such effective date until a date not less than twelve (12) months after the date of Substantial Performance completion of all work under the Contract.

Limits of Liability:

For bodily injury and for property damage shall be inclusive limits not less than \$5,000,000.

24.2.3

Public Liability Insurance (Automobile):

The Contractor shall deposit with the Owner before the work commences a Certificate of Insurance with respect to owned automobiles on ICBC Form No. APV 47 entitled "Confirmation of Insurance Coverage" and with respect to Non-Owned Automobiles including hired automobiles and Contractual Liability on ICBC non-owned automobile policy Form APV 29 (if non-owned automobile coverage is not included under the comprehensive general liability coverage) each signed by an authorized representative of the Insurance Corporation of British Columbia.

**24.3 Physical Loss or
Damage With Respect
to New Buildings under
Construction and/or
Major Additions to
Existing Structures**

24.3.1

Responsibility for Placing Insurance:

The types of insurance required under this section will be provided and maintained at the expense of the City of Coquitlam during the term of the Contract and will be as follows unless otherwise changed by specific endorsement to these Insurance Specifications.

24.3.2

Insurance Coverage Required:

Builders Risk Completed Value "All Risks" Course of Construction Insurance. This policy will be written in the names of the City of Coquitlam and the Contractor with loss payable as their respective interests may appear.

24.3.3

Responsibility of Contractor – Limitations of cover and deductibles:

The insurance provided by the City of Coquitlam as described herein will not provide the Contractor with full protection against any and all kinds of loss or damage which may arise out of the Contract. It is, therefore, the responsibility of the Contractor to fully understand the scope of the cover provided with particular attention to the exclusions, limitations of cover and deductible provisions contained in the Insuring Agreements of the policies and it is further the responsibility of the Contractor to take out at the Contractor's expense, whatever other additional insurance

the Contractor may consider necessary or desirable for his protection subject as hereinafter provided. The Contractor shall act in the same manner on insurance made available through the City of Coquitlam as he would if he had arranged such insurance himself.

24.3.4 Responsibility of Contractor – Direct Damage Insurance:

If the Contractor fails to do all or anything that is required of him concerning insurance, the City of Coquitlam may do what is required and any monies expended by the City of Coquitlam for that purpose shall be repayable and recoverable from the Contractor. Should any action, failure or negligence of the Contractor result in higher insurance costs being incurred by the City of Coquitlam, such additional costs shall be payable or recoverable from the Contractor.

24.3.5 Responsibility of Contractor – Machinery and Equipment Belonging to Others:

Unless otherwise directed by the City of Coquitlam in writing, the Contractor shall carry insurance covering loss or damage to construction machinery, tools and equipment owned by and/or on bare rental from a third party or parties and used by the Contractor in performing the work, which insurance shall be in a form satisfactory to the City of Coquitlam and having coverage in accordance with the actual cash value of such construction machinery, tools and equipment. Such policies shall also provide for subrogation to be waived against the City of Coquitlam. A certified copy of the policy shall be delivered to the City of Coquitlam not later than thirty days after the commencement of work under the Contract.

24.3.6 Contractor's Waiver of Liability to Coquitlam:

The Contractor hereby releases the City of Coquitlam from any and all liability for damages to the extent that such damages are covered by the course of construction insurance referred to in Section 24.3 of these specifications.

24.3.7 Liability of Contractor:

Neither the providing of insurance by the Contractor or the City of Coquitlam in accordance with the requirements hereof, nor the insolvency, bankruptcy, nor failure of any insurance company to pay any claim accruing shall be held to waive any of the provisions of this Contract with respect to the liability of the Contractor or otherwise.

24.3.8 Responsibility of Contractor for protection of work, persons and property:

The Contractor and all persons employed by the Contractor or under his control, and all employees and subcontractors, shall use due care that no person or property is injured, and that no rights are infringed in the prosecution of the work. Contractors shall take particular care to protect the work against loss or damage

caused by riot, vandalism or malicious mischief and shall be at the expense of the Contractor provide all necessary safeguards in the form of watchmen and/or watch dog protection to prevent loss or damage of this type. The payment of deductibles is the responsibility of the Contractor and if not paid by the Contractor such amounts shall be deducted by the City of Coquitlam from payment due to the Contractor. These deductibles will normally be \$250.00 each claim.

24.3.9 Action to be taken in the event of loss or damage to the work covered by the Contract:

When any loss or damage occurs to the work or to any materials and supplies on the site of the work, the Contractor shall remove any and all damaged or destroyed property and shall rebuild or replace the damaged or destroyed work, materials, or supplies and complete the work to the satisfaction of the Owner. For such removal, rebuilding, or replacing, the Contractor shall be entitled to receive from the Owner the amount of insurance monies received by the Owner pursuant to the said adjustment which amount shall be paid to the Contractor as the work of rebuilding or replacing proceeds, and in accordance with the Agreement. Damage or destruction of the whole or any part of the work shall not affect the rights and obligations of either party under the Agreement, except that in such event the Contractor shall be entitled to such reasonable extension of time to complete the work as the Architect and/or Contract Administrator may decide.

24.3.10 Further responsibility of Contractor:

Other than with respect to loss or damage arising out of insured risks and herein before specified, the Contractor shall be responsible for all loss or damage whatsoever which may occur on or to the works completed or otherwise, until such time as the entire works have been completed and the Notice of Acceptance has been issued by the Owner, except that loss or damage caused solely by an act of the Owner.

In the event of any loss or damage occurring, the Contractor shall on notice from the Owner immediately put the works into the condition it was immediately prior to such loss or damage, all at the Contractor's expense except as previously stated.

24.3.11 Owner Not Responsible for Loss or Damage or Loss of Use of Property of Contractors and their Employees:

The Owner will not be responsible for securing or paying for insurance of any kind other than as specified in Section 24.3 of these specifications nor will the Owner have any responsibility whatsoever for loss or damage from whatever cause occurring to property owned, leased, or otherwise in the possession of the Contractor, subcontractors or their employees including, without restricting the generality of the foregoing, machinery, equipment, tools, supplies, and clothing at the construction site or elsewhere including loss of use of same.

24.4 Additional Insured 24.4.1 **The Contractor shall ensure the following are named as "additional insured" on the liability policy for this contract:**

- The City of Coquitlam

The City may identify private properties that are directly affected by construction. If so, the Contractor shall include the legal owners of these properties named as "additional insured" on the liability policy for this contract.

25.0 MAINTENANCE PERIOD

25.1 Correction of Defects 25.1.4

(Add new clause 25.1.4 as follows):

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

**27.0 CONTRACTOR
PERFORMANCE
EVALUATION**

27.1

(Add new clause 27.1 as follows):

After the completion of the Contract, the Contractor will be evaluated on their performance of the Work. The evaluation will provide percentage scores on the following categories:

1. *Contract Administration*
2. *Construction Management*
3. *Schedule Management*
4. *Communications*
5. *Resource Management and Contractor Performance*
6. *Quality Management*

An evaluation summary report may be issued to the Contractor with scores for each of these categories. Upon request, the Contractor may attend a meeting with the City to discuss the evaluation.

This internal evaluation may be reviewed for reference on subsequent tenders with the City. Evaluation scores can form part of the tender analysis and influence contract award decisions.

Evaluation Scores in categories that are below 50% may result in a suspension of tendering privileges with the City.

APPENDIX I

CERTIFICATE OF INSURANCE

This Certificate issued to the City of Coquitlam is to certify that policies of insurance, as described below, have been issued to the Insured named below and are in force at this time. It is understood and agreed that thirty (30) days' prior written notice by registered mail of any material alterations, transfer, assignment or cancellation of any of the policies listed below, either in part or in whole, will be given to the holder of this Certificate.

- A. This Certificate is issued to: **City of Coquitlam**
3000 Guildford Way
Coquitlam, BC V3B 7N2
- Named Insured and Mailing Address:
- B. CONTRACT NUMBER AND/OR NAME Description of the Work:
- C. INSURANCE POLICY
- Name of Insurer: Liability Limit:
Policy Number: Expiry Date:
Effective Date:
- D. INSURANCE COVERAGE
- COMMERCIAL GENERAL LIABILITY** coverage is required to insure against liability from the activities arising out of operations or work in connection with the above-described project, including liability arising out of the use of City property.
- D.1 The minimum limit shall be \$5,000,000.00 inclusive per occurrence against bodily injury, personal injury and property damage.
- D.2 The City of Coquitlam, its employees, officers, agents and volunteers are added as Additional Insureds, but only with respect to operations conducted by or on behalf of the Named Insured in connection with the above-described project, operations or work.
- D.3 This insurance shall be primary as regards the City of Coquitlam, its employees, officers, agents and volunteers as Additional Insureds.
- D.4 Any deductible or reimbursement clause contained in the policy shall not apply to the City of Coquitlam and shall be the sole responsibility of the Named Insured.
- D.5 The insurance shall include the following coverages:
- D.5.1 Cross Liability Clause
- D.5.2 Non-Owned Automobile Liability
- D.5.3 Unlicensed Automobile Liability
- D.5.4 Blanket Contractual Liability
- D.5.5 Broad Form Property Damage Liability
- D.5.6 Owner's & Contractor's Protective Liability
- D.5.7 Products & Completed Operations Liability
- D.6 Indicate provision of special coverage for this project as required by the City:
- | YES | NO | Special Coverage Description |
|-----|-----|---|
| () | (X) | Shoring and Underpinning Hazard |
| () | (X) | Pile Driving and Vibrations |
| () | (X) | Excavation Hazard |
| () | (X) | Demolition |
| () | (X) | Blasting |
| D.7 | () | () PROFESSIONAL LIABILITY INSURANCE for Consultant Service Agreements |

The *Consultant* shall obtain and maintain for the duration of the *Services* as described in the Agreement, at its own cost, Professional Liability Insurance on terms and from an insurer satisfactory to the City of Coquitlam.

The Professional Liability Insurance policy shall insure the *Consultant's* legal liability for errors, omissions and negligent acts, to the extent of no less than \$500,000.00 per Claim and \$1,000,000.00 Aggregate.

Authorized Signature and Stamp

Date

Name and Title

City's broker to return to City Representative

Department

These Supplementary General Conditions must be read in conjunction with the General Conditions contained in the Master Municipal Construction Documents, Volume II, Printed 2009



APPENDIX II

PRIME CONTRACTOR DESIGNATION

Subject: **Prime Contractor Designation**
RFP No.: **21-006**
Contract Name: **Minor Concrete Works Services** (the "Project")

_____ (the "Contractor") represents, acknowledges and agrees that:

1. in accordance with section 118 of the Workers Compensation Act, R.S.B.C. 1996, c. 492 (the "Workers Compensation Act"), the Contractor shall be the "Prime Contractor" and is qualified to act as the "Prime Contractor" in respect of the Project;
2. the Contractor accepts the duties and responsibilities for coordination of health and safety in accordance with the Workers Compensation Act and further agrees that it will do everything necessary to establish and maintain a system or process that will insure compliance with the Workers Compensation Act and the Regulations thereto;
3. the Contractor shall fulfill all the obligations of an "Owner" under section 119 of the Workers Compensation Act in respect of the Project site; and
4. that the City of Coquitlam has fulfilled its obligations as an "Owner" under section 119 of the Workers Compensation Act, in respect of the Project site.

Prime Contractor Name & Address:

Prime Contractor Signature

Date

Print Name

Please return a signed copy of this memo to the City of Coquitlam. If you have any questions, please contact the City's Health and Safety Advisor at 604-927-3068.

Appendix B –
City of Coquitlam
Supplementary
Contract Specifications

Supplementary Contract Specifications

to the
MASTER MUNICIPAL SPECIFICATIONS
Volume II – Platinum Book

Minor Concrete Works Services
RFP#21-0006

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CONTRACT SPECIFIC NOTATIONS

1.00 CONTRACT SPECIFIC INSTRUCTIONS

1.01 Coordination of Work

The Contractor shall be responsible to consult with the Coast Mountain Bus Company (CMBC) regarding delays, detours, temporary bus stop closures and any other works affecting the transit service in the work area.

1.02 Outside Agency Approval

In accordance with the Contract Documents, the Contractor is responsible to consult with and obtain any approval required to meet and comply with all the conditions required from outside agency such as, but not limited to, BC Hydro, FORTIS BC GAS, Telus, Trans Mountain Pipeline in the area of the place of Work where applicable.

1.03 Cooperation with Emergency and Maintenance Activities

The Contractor will be responsible to cooperate with regular maintenance or emergency vehicles and staff for access to the site when required including:

- Fire, Police, and Ambulance
- Waste Management (garbage pick-up)
- City Utilities Maintenance (or representatives)
- City Parks and Recreation Maintenance (or representative)
- Other City Contractors

1.04 Survey Layout

Construction layout will be the responsibility of the Contractor.

1.05 Utility Adjustments - City Infrastructure and/or Other Agency Infrastructure

The Contractor is responsible for adjusting all utilities, belonging to Coquitlam and/or other agencies that are affected by the works. All adjustments to utilities must be completed to the satisfaction of the utility owner. Utility adjustment will be considered incidental to the contract unless otherwise noted in the Contract Documents.

The Contractor should note that certain utility owners may decide to complete their own adjustments. The Contractor will be required to cooperate with any utility company providing their own adjustments.

The Contractor shall be responsible to contact the appropriate utility company with in minimum of seventy two (72) hours of the work. No adjustment shall be made without the written approval of the utility company.

All manholes must be vertically adjusted a minimum of twenty four (24) hours prior to paving

1.06 Site Safety

The Contractor is responsible to ensure the construction site is safe at all times for workers, pedestrians, and vehicle traffic. During non-working hours, the Contractor must ensure that the site has all potentially hazardous areas appropriately identified and protected, and also must provide appropriate signage, lighting, and markings for the direction of vehicle and pedestrian traffic, all to ensure the safety of the public. Supply and use of this equipment is considered incidental to the contract.

Manhole lids, valve boxes and other appurtenances within the roadway that may present a traffic hazard during construction must be clearly marked for traffic.

Manhole lids left raised in preparation for paving must have a rubberized protector ring for traffic safety. Supply and use of this equipment is considered incidental to the contract.

1.07 Lane Closure Restrictions

A Road and Sidewalk Closure Permit is required for each instance of a lane or sidewalk closure and will be valid for a maximum period of one (1) week and, if still necessary, re-submittal of a Road and Sidewalk Closure Request is required.

CONTRACT SPECIFIC NOTATIONS

A copy of the approved Road and Sidewalk Closure Permit must be held on site by both the Site Superintendent and the person/company responsible for the traffic control implementation.

Costs to complete the works taking the above restrictions into consideration shall be incidental to work described in other sections.

1.08 Manholes & Valves

Access to manholes and valves must be maintained at all time for city utilities crews and external utility companies. In case of an emergency the cost for exposing any buried manhole or valve covers during construction will be paid by the contractor.

1.09 Precautions

Protect areas under construction from damage caused by excessive erosion, flooding, heavy rains, etc. Repair or replace unprotected damaged areas as directed by the Contract Administrator at no cost to the Owner.

2.00 CONSTRUCTION ACTIVITY

**2.01 Site Clean-up During
Construction and End of
Construction**

The Contractor will be responsible for the complete clean-up of the work site during construction & at the end of construction and prior submitting an invoice for the work. This work is considered incidental to the Contract.

END OF SECTION

QUALITY CONTROL

- 1.0 QUALITY**
- The Contractor shall provide a final product conforming to the Contract Documents and the intent of the work.
- The work is to be accurate to the dimensional and tolerance requirements of the contract.
- 1.01 Quality Control (QC) by Contractor**
- The MMCD (2009) definition of "Quality Control" is the process by which the Contractor checks specific materials, products, and workmanship to ensure strict conformance with the Contract Documents.**
- The Contractor is fully responsible for quality control of the materials, production, and construction processes.
- Quality control tests shall be performed by the Contractor, at their own expense, to ensure that products meet the contract specifications.
- Failure by the Contractor to conduct adequate quality control testing during production and construction will negate the Contractor's ability to appeal the quality assurance tests used for acceptance/rejection of the work.
- Under no circumstances will QC test results produced after completion of the Quality Assurance (QA) results be considered for appeal purposes
- Any changes in the Work with respect to the location, grade, or line shall be approved in advance by the Contract Administrator. Failure to notify the Contract Administrator of changes in writing may result in rejection of Work.
- 1.02 Inspection of Work, Quality Assurance, and Material Testing, by the Owner**
- The MMCD (2009) definition of "Quality Assurance" means the process by which the Owner evaluates if the work is being constructed in accordance with the Contract Documents. This definition will be used for this contract.**
- The *Contract Administrator* will provide construction review through spot inspections and spot materials testing for Quality Assurance.
- Any materials testing results indicating a non-conformance to the Contract Documents will require construction corrective action by the Contractor.**
- All subsequent testing to corrective action to verify conformance to the Contract Documents will be the full responsibility of the Contractor.**
- Inspection review by the Owner will not relieve the Contractor from providing a product that meets or exceeds the requirements of the Contract Documents.
- 1.1 Inspection**
- Materials testing shall be as described in MMCD General Conditions, Section 4.12.
- All testing covered under this item shall be performed by a CSA certified laboratory and technicians with copies of all test results to be sent directly to the Contract Administrator. Re-testing resulting from failed first tests shall be at the Contractors expense.
- 1.2 Survey Layout**
- All Survey Layout will be completed by the Contractor in accordance with the Contract Drawings and Coordinate System set out within them. The Contractor will be provided digital AutoCAD files but shall be responsible to confirm elevations and tie in locations and report any discrepancies prior to construction.
- 1.3 Testing**
- Contractor shall carry out inspection and testing (QC) to ensure compliance with Contract Documents. Contractor shall submit test results within one week of testing to the Contract Administrator.
- The Contractor shall provide test results prior to the preparation of the payment certificate.

**1.4 Contractors
Responsibilities**

Furnish labour and facilities to:

1. Provide access to work to be inspected
2. Facilitate inspections and tests
3. Make good work disturbed by inspection and tests

1.5 Access to Work

Allow inspection testing agencies access to Work.

END OF SECTION

1.0	GENERAL	Add 1.0.6	<p>The <i>Contractor</i> is responsible for all temporary traffic control on the streets required for completion of the work. The <i>Contractor</i> will be responsible to provide a Traffic Management Plan (TMP) for approval (5) five working days prior to any lane closures taking place. TMP is to be prepared by a qualified professional to the satisfaction of the Contract Administrator.</p> <p>The TMP shall outline the approach to traffic management, show recognition and minimization of risks indicates signing locations, identify Traffic Control Persons (TCP) stations, show lane shifting and proposed closures.</p> <p>The Contractor is responsible to ensure and maintain all business/residential vehicles, cyclists and pedestrian accesses open at all times. The contractor may provide temporary accesses if the affected owner agrees. All costs associated with temporary accesses will be at the contractor's expense.</p>
		Add 1.0.7	<p>A Road and Sidewalk Closure Permit is required from Coquitlam for all work affecting pedestrian and traffic flow related to construction. A permit is required for each specific construction interference with pedestrian and traffic flow. The road and sidewalk closure permit form can be obtained for use from the City's website at http://www.coquitlam.ca. The Contractor must follow the approved TMP. Any changes to this TMP must be submitted to City's Traffic Operations for approval.</p> <p>The Contractor must ensure that adequate measures are in place to ensure pedestrians can safely navigate the work area. If necessary, detour signage must be placed as determined by the Contract Administrator.</p>
		Add 1.0.8	<p>Lane closures on arterial roadways will be limited to non-peak hours which is generally between 9:00am to 2:00pm.</p>
1.4	Traffic Control	Delete 1.4.1 and replace with the following	<p>The Contractor shall conduct his operations so as to cause the minimum obstruction and inconvenience to traffic and to places of business and residences adjacent to the Place of Work. No greater quantity of work shall be undertaken at any one time than can be properly conducted with due regard to the rights and interests of the public as may be determined by the Contract Administrator.</p> <p>The Contractor is to provide at all times safe and convenient means of approach and entrance to adjoining lanes, driveways, buildings and property both for vehicles and pedestrians to the satisfaction of the Contract Administrator. For this purpose, he shall construct and maintain suitable and safe platforms, approaches, structures, bridges, diversions or other works.</p> <p>Where traffic must cross open trenches, the Contractor shall provide suitable bridges. Where trenches have been backfilled or where road improvements are incomplete the Contractor shall take any steps necessary to prevent potholes or other traffic hazards. Where the Contract Administrator so instructs or where Contract Specifications so require, the Contractor shall provide temporary asphalt patching of such hazards.</p>

		Delete 1.4.10.1.3 and replace with the following	When workmen or equipment are employed over travelled way over brow of hills, around sharp curves or at other locations where oncoming traffic would not otherwise have adequate warning.
1.5	Measurement for Payment	Delete 1.5.1 and replace with the following	Payment for all work, unless included in the Schedule of Quantities and Prices, performed under this section will be incidental to payment for work described in other Sections.
		Add 1.5.2	Payment for the preparation of an application for a Road and Sidewalk Closure Permit, as described in the Contract Document, will be made at the unit price bid for each application submitted. There will not be a charge from the City for the approved permit.

END OF SECTION

1.0 GENERAL

1.2 Temporary Erosion
and Sediment
Controls

Delete 1.2.1 and
replace with the
following

Properly drain all portions of the site. Protect the site and the watercourses to which it drains, directly or indirectly, against erosion and siltation in accordance with a Sediment Control Plan under the City of Coquitlam Stream and Drainage System Protection Bylaw No. 4403, 2013 during construction and until the maintenance period is completed. Ensure no silt, gravel, debris or other deleterious substance resulting from construction activity discharges into existing drainage systems or watercourses or onto highways or adjacent property. The *Contractor* is responsible for all damage that may be caused by water backing up or flowing over, through, from or along any part of the work or otherwise resulting from his operations.

Keep existing culverts, drains, ditches and watercourses affected by the work clear of excavated material at all times. When it is necessary to remove or alter any existing drainage structure, provide suitable alternative measures for handling the drainage. Adequately support culverts and drainpipes across trenches to prevent displacement and interference with the proper flow of water due to trench settlement.

Delete 1.2.2.2 and
replace with the
following

Do not operate construction equipment in watercourses.

Add 1.2.2.9

All work must be carried out during favorable and low water conditions.

Add 1.2.2.10

Any fill used on this project shall be certified inert and from a source which is confirmed to be free of contaminants.

Add 1.2.2.11

All work within a watercourse must be undertaken and completed in isolation of all flowing water to maintain downstream water quality and unrestricted flows.

1.4 Environmental
Protection

Add 1.4.3.5

Immediately contain and clean up any leaks and spills of prohibited materials at the *Place of Work*.

Add 1.4.3.6

Ensure that a well-stocked spill kit is on-site at all times and that the *Contractor's* employees are familiar with appropriate spill response techniques.

Add 1.4.3.7

Immediately notify the *Contract Administrator* and the City of any leaks or spills of prohibited materials that occur at the *Place of Work*.

Add 1.4.3.8

Ensure that any fuel stored on-site is located at least 15 meters from the nearest stream, and is placed within a bermed and lined area, in order to prevent leaks or spills into the environment.

Add 1.4.3.9

All equipment and machinery must be in good working condition (power washed), free of leaks or excess oil and grease. No equipment refueling or servicing shall be undertaken within a minimum of 15 meters of any water course or surface water drainage.

Add 1.4.3.10

During all phases of the operation, the Contractor shall take precautions to abate nuisance caused by mud or dust by clean up, sweeping, sprinkling with water or dust control, or other means as necessary to accomplish results satisfactory to the Contract Administrator.

1.6	Measurement and Payment	Delete 1.6.1 and replace with the following	Payment for all work, unless included in the Schedule of Quantities and Prices, performed under this section will be incidental to payment for work described in other Sections.
1.9	Archaeological / Historical Resources	Add 1.9	Immediately cease work and inform the <i>Contract Administrator</i> and the City, if any archaeological or historical resources are encountered during construction. Leave these resources in place and do not disturb them in any way.

END OF SECTION

CONCRETE WALKS, CURBS AND GUTTER

1.4	Measurement and Payment	Delete 1.4.3 and replace with the following	<p>Payment for machine placed or hand formed concrete curb & gutter, extruded concrete curb, excluding granular base, includes supply and placing of the concrete curb and gutter (C5), rollover curb (C4), barrier curb, and will cover all straight and curve sections and will be made separately for each specified type.</p> <p>Extruded Concrete curb shall be keyed in to existing asphalt.</p> <p>Payment for granular base under curb and gutter will be made under payment items in Section 32 11 23S, Granular Base.</p>
		Delete 1.4.5 and replace with the following	<p>Payment for concrete sidewalks, concrete monolithic sidewalks, driveways, walkways, infills and all concrete ramps, excluding granular base, includes supply and placing of the concrete, subgrade preparation under the concrete sidewalks, in-fills, driveways and walkways and will be made separately for each specified thickness and type of finish.</p> <p>Payment for granular base will be made under payment items in Section 32 11 23S, Granular Base.</p>
		Delete 1.4.6 and replace with the following	<p>Payment for concrete concrete driveway crossings, excluding granular base, includes supply and placing of the concrete, subgrade preparation under the concrete sidewalks, in-fills, driveways and walkways and will be made separately for each specified thickness and type of finish.</p> <p>Payment for granular base will be made under payment items in Section 32 11 23S, Granular Base.</p>
		Add 1.4.10	<p>Payment for Detectable/Tactile Warning Surface Tile includes supply and placing of Access Tile Model # ACC-R-2x4 (or approved equal) Truncated Dome Detectable Warning Tactile Surface 2'x4' replaceable cast in place - Yellow Color and installation as per the Manufacture's Specifications.</p>
2.1	Materials	Delete 2.1.5.1 and replace with the following	<p>Hand-formed and hand-placed concrete:</p> <p>Slump: 80 mm</p> <p>Air entrainment: 5 to 8%.</p> <p>Maximum aggregate size: 20 mm.</p> <p>Minimum cement content: 335 kg/m3.</p> <p>Minimum 28 day compressive strength: 32 MPa.</p>
		Add 2.1.7	<p>Tactile warning surface tile shall be replaceable cast-in-place style. Truncated domes shall be in square grid pattern with a 5 mm nominal raised height, base diameter of 23 mm and top diameter of 11.5 mm. Dome spacing range shall be between 40 mm – 60 mm.</p> <p>Color of the panel shall be Federal Yellow (Y) per US Federal Standard 595B Table IV, Color No. 335.</p> <p>Minimum size of the panel shall be 600 mm by 1200 mm.</p>

3.0 EXECUTION

3.5 Concrete Placement

Delete 3.5.9 and
replace with the
following

The *Contractor* is responsible for adjusting all utility manhole frames and valve boxes, belonging to Coquitlam and/or other agencies that are affected by the road works. All adjustments to utilities must be completed to the satisfaction of the utility owner. Riser rings will not be accepted.

The *Contractor* should note that certain utility owners may decide to complete their own adjustments. The *Contractor* will be required to cooperate with any utility company providing their own adjustments.

The *Contractor* shall be responsible to contact the appropriate utility company within a minimum of seventy two (72) hours of the work. No adjustment shall be made without the written approval of the utility company. All manholes must be vertically adjusted a minimum of twenty four (24) hours prior to concrete placement.

3.9 Expansion Joints

Delete 3.9.1 and
replace with the
following

Form transverse expansion joints at both ends of curb returns and at maximum spacing of 9.0 m for sidewalks, 30.0 m of curb and gutter, at each end of driveway crossing, at tangent point of circular work, and on either side of catch basins.

END OF SECTION

2.0 PRODUCTS

2.1 Materials-General Add to 2.1.3

The intention of the Gradation Chart is to identify the desired mix of size of aggregate in the granular base. The Target Percentage Passing is the middle of the shown Range.

Tests that show sieve values of Percent Passing that are consistently low or consistently high in two (2) or more consecutive tests will be considered to be non-conforming.

2.3 Pit Run Gravel Add to 2.3.2

The use of recycled concrete shall be approved by the *Contract Administrator* and the City prior to use.

Add 2.3.3

Asphalt millings free from contaminated and other extraneous material, conforming to the specified gradations may be used as pit run gravel. The use of asphalt millings shall be approved by the *Contract Administrator* and the City prior to use.

2.7 Granular Pipe Bedding and Surround Material Add to 2.7.1

All recycled or other extraneous materials shall be approved by *Contract Administrator* and the City prior to use.

2.10 Granular Base Delete 2.10.2

Add 2.10.3

All 25 mm minus granular base is to conform to the following gradation specifications for Collector / Arterial Roads:

Sieve Designation (mm)	Percent Passing (%)
25	100
19	80-100
12.5	75-90
9.5	50-85
4.75	35-70
2.36	25-50
1.18	15-35
0.30	5-20
0.075	0-5

2.11 Recycled Aggregate Material Delete 2.11.1 and replace with the following

Aggregates containing recycled material may be utilized if approved by the *Contract Administrator* and the City. In addition to meeting all other conditions of the specifications, recycled material should not reduce the quality of the construction achievable with quarried materials. Recycled material shall consist only of aggregates, crushed portland cement concrete, or asphalt that is free of impurities.

END OF SECTION

1.8	Measurement and Payment	Delete 1.8.4 and replace with the following	Payment under this item will only apply to removal of the components included in this item under a separate operation as shown on the Contract Drawings or as directed by the Contractor Administrator. No payment will be made under this item for removal of these components as part of the operation for common excavation, and such removal will be treated as common excavation.
			Payment will be made at the respective unit prices bid in the Schedule of Quantities and Prices and will include all labour, and equipment required to complete the work, including offsite disposal. It is the responsibility of the contractor to locate and verify all utilities.
		Delete 1.8.5 and replace with the following	Measurement for Common Excavation will be in cubic metres calculated from measurements taken by the Contract Administrator in the areas of excavation (stripping inclusive). Payment will be made at the respective unit prices bid in the Schedule of Quantities and Prices and will include all labour, and equipment required to complete the work, including offsite disposal. It is the responsibility of the contractor to locate and verify all utilities.
2.0	PRODUCTS		
2.2	Specified Materials	Delete 2.2.1.3	Pit Run Sand
		Delete 2.2.1.4	River Sand
		Delete 2.2.2	

END OF SECTION

GRANULAR BASE

- | | | | |
|------------|--------------------------------|---|--|
| 1.4 | Measurement and Payment | Delete 1.4.1 and replace with the following | Measurement for granular base of variable thickness will be for actual quantity placed based on weigh tickets provided to Contract Administrator as loads are delivered. |
| | | Delete 1.4.2 and replace with the following | Measurement for granular base for each specified thickness will be for the actual area placed. |
| | | Delete 1.4.3 and replace with the following | Payment for Subsection 1.4.1 & 1.4.2 above includes supply, placement and compaction of granular subbase material, adjustment of moisture content, and boning to establish the road cross-section, shall be included in the unit price bid in the Schedule of Quantities and Prices. |
| | | Delete 1.4.4 and replace with the following | Payment for removal of unsuitable subgrade including disposal off-site prior to direct placement of granular subbase will be made under Section 31 24 13 – 1.8.5 Common Excavation. |
| 2.0 | PRODUCTS | | |
| 2.1 | Granular Base | Add 2.1.1.3 | 25 mm minus crushed gravel conforming to the gradation specifications for Collector/Arterial Roads under Section 31 05 17S – 2.10.3. |

END OF SECTION

**1.4 Measurement and
Payment**

Delete 1.5.1 and
replace with the
following

Payment for asphalt tack coat will be incidental for all portions of
existing pavement to be tack coated in preparation for placement of
hot mix asphaltic concrete

Delete 1.5.2 and
replace with the
following

Pavement surface cleaning, as per section 32 01 11, and all other
work incidental to the application of tack coat is deemed to be
included in the unit price bid for tack coat.

END OF SECTION

1.0 GENERAL

1.5 Measurement and Payment

Delete 1.5.1 and replace with the following

Payment for asphaltic concrete slot paving includes all construction joint preparation, saw cutting, supply and placing of the asphaltic concrete, compaction and cleaning frames, covers and lids of castings affected.

Measurement for asphaltic concrete paving for the specified design mixes will be made at the respective unit prices bid in the Schedule of Quantities and Prices and incorporated into Work will be asphalt concrete actually based on weigh tickets provided to the Contract Administrator as loads are delivered.

The contractor will not receive any additional compensation above the respective unit prices bid in the Schedule of Quantities and Prices for Hand Work, Special Equipment & Machinery to complete the Hot Mix Asphaltic Paving Work as shown on the Contract Drawings or as directed by the Contract Administrator.

For measurement and payment purposes, Contract Administrator may calculate payment on actual area paved to the thickness specified in in the Schedule of Quantities and Prices and as shown on the Contract Drawings.

Delete 1.5.3 and replace with the following

Payment for asphaltic concrete sidewalks, pathways, driveways, and infill strips paving includes all construction joint preparation, saw cutting, supply and placing of the asphaltic concrete, compaction and cleaning frames, covers and lids of castings affected.

Measurement for asphaltic concrete paving for the specified design mixes for will be made at the respective unit prices bid in the Schedule of Quantities and Prices and incorporated into Work will be asphalt concrete actually based on weigh tickets provided to the Contract Administrator as loads are delivered.

Payment for this item includes all applicable materials and work described in 1.5.1.

Delete 1.5.4 and replace with the following

Payment for extruded or hand placed 50mm or 150mm asphalt concrete curb, 25mm depth at driveway crossings, will include asphaltic concrete, all preparatory & construction preparation, pavement cleaning, tack coat and placing by extrusion.

The Contractor is responsible for the protection of the new placed curb until it can accept vehicle traffic, the contractor will not receive any compensation for protecting the curb and the Contract Administrator may reject any curb that is not protected and damaged.

2.0 PRODUCTS

2.1 Materials

Add 2.1.2.1

Usage of recycled asphalt shingles will not be permitted.

Add 2.1.2.2

Usage of softening agents, rejuvenators, or recycling agents will not be permitted.

2.2 Mix Design

Delete 2.2.2 and
replace with the
following

Mix may contain up to a maximum of 15 % by mass of RAP for Upper Course Asphalt and 20 % by mass of RAP for Lower Course Asphalt without a special mix design. The *Contract Administrator* and the City may approve higher proportion of RAP if *Contractor* demonstrates ability to produce mix meeting requirements of the specification.

END OF SECTION

1.0 GENERAL

1.0 General Requirements

Delete 1.0.1 and
replace with the
following

Section 32 91 21 refers to those portions of the Works that are unique to the supply, placement and finish grading of Growing Medium. This section must be referenced to and interpreted simultaneously with all other sections pertinent to the Works described herein.

For the purpose of this specification, the term "Growing Medium" shall mean a soil produced offsite by homogeneous blending of mineral particulates, micro organisms and organic matter which provides suitable medium for supporting intended plant growth and the term "Topsoil" shall mean on-site native or surface soil material which may be used as Growing Medium provided it meets standards set for imported material Growing Medium and can be modified to meet the requirements set out for specified Growing Medium.

1.4 Measurement and Payment

Delete 1.4.1 and .1
replace with the
following

Payment for growing/planting medium and top soil will be made separately for each type and includes supply of material, on-site handling, preparing the landscape area subgrade, placing, grading, raking, compacting (top soil), application of fertilizers complete with filter fabric where specified. Payment for growing medium and topsoil will be for actual square metre placed onsite, as measured by the Contract Administrator.

END OF SECTION

SODDING

1.0 GENERAL

Delete 1.0.2 and
replace with the
following

This section is based on the "British Columbia Landscape Standards and the B.C. Nursery Trades Association. This standard is intended to set a level of quality which is equaled or bettered in the construction documents.

2.0 PRODUCTS

2.1 Sod

Delete 2.1.1 and
replace with the
following

Sod to be approved by the Contract Administrator and the City and to be nursery grown, true to type, conforming to standards of nursery Sod Growers' Association and their Nursery Sod Specifications. Sod to be quality, cultured turf grass grown from seed approved by Canada Department of Agriculture, free of disease, clovers, stones, pests and debris.

Add 2.1.1.1

Nursery sod:

- .1 Shall be No. 1 Premium grade and contain only species of grass indicated on the supplier's certificate.
- .2 Sod shall be 'non-netted'

Add 2.1.1.2

Table Guideline of Approved Sod Mix Ratios

Supreme Soil Base Sod	
(Elka II) Perennial Ryegrass	40%
(Shamrock) Kentucky Bluegrass	30%
(Cindy) Chewing Red Fescue	30%
Seed Rate: 50g per square metre	

Add 2.1.8

All sod shall be completely free of invasive and/or noxious broadleaf weeds, grasses including but not limited to poa annua, disease, fungi, detrimental nematodes and detrimental insects.

END OF SECTION

1.0 GENERAL

1.1 Related Work

Add 1.1.6

Hot Mix Asphalt Concrete Pavement Section 32 12 16

Add 1.1.7

Portland Cement Concrete Paving Section 32 13 13

1.5 Measurement and Payment

Delete 1.5.3 and replace with the following

Adjustment & Replacements of tops of existing units will be measured in units adjusted as defined below and paid for under their respective Items in the Schedule of Quantities.

No payment will be made under these items for cleaning Valve Boxes, Monument Boxes, Frames, Covers and Lids of Castings as part of the operation for asphaltic concrete paving.

No Payment will be made for Monument Boxes, Lawn Drains, Cleanouts and Inspection Chambers, these adjustments will be treated as incidental work.

All manholes & valve boxes must be vertically adjusted a minimum of twenty four (24) hours prior to paving.

The use of Steel/Metal Casting Risers Rings will not be accepted to adjust manholes or water valves to the final elevation (finish grade).

.1 Manhole frames and lids replacement & adjustment will be defined as supplying and installing a new manhole frame and lid and setting to the finished grade. Replacements shall include jackhammering, removal and disposal of the existing frame and lid, replacement, removal or addition of concrete brick (maximum of 3 or minimum of 1) or precast concrete riser rings, cement mortar, supply and installation of new manhole frame and lid set to finish grade, temporary asphalt ramping or patching and all other incidental work.

Unit Price for adjustments to each manhole includes adjusting manholes to the asphalt base lift and then to the asphalt final lift (finish grade) – No additional payment will be made for adjusting manholes.

.2 Water Valve Box replacements will be defined as supplying and installing a new Nelson Style Water Valve Box frame & lid and setting to the finished grade, temporary asphalt ramping or patching. Replacements shall include jackhammering, removal and disposal of the existing frame and lid and all other incidental work.

2.0 PRODUCTS

2.1 Materials

Add 2.1.7.3

Any frame and cover assembly creating a point load on the concrete riser rings will not be permitted.

Delete 2.1.12 and replace with the following

Catchbasin lids manufactured to ASTM C478M

Delete 2.1.16.2

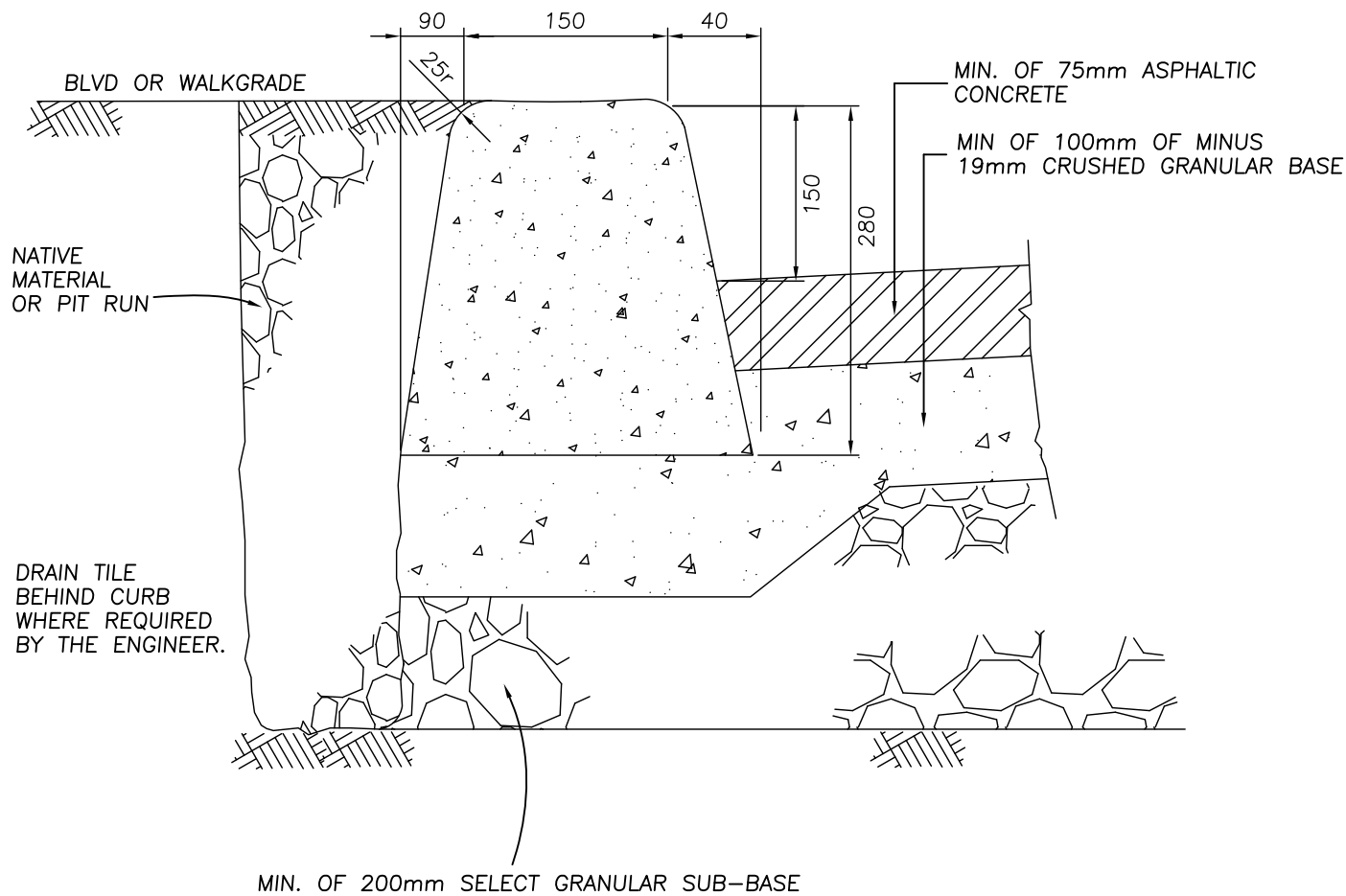
Delete 2.1.17

3.0 EXECUTION

3.1	Excavation and Backfill	Add 3.1.2	For manholes, when base gravels are complete, excavate for grade rings and manhole frame assembly. Do not disturb the compacted road base beyond the excavation requirement.
3.3	Manhole Installation	Delete 3.3.12.2 and replace with the following	Allowable products are precast concrete risers and cast-in-place form system. Individual riser heights shall be 50mm, 75mm, or 100mm.
		Delete 3.3.12.5 and replace with the following	Proper layer of grout between the spacers, covering the entire surface of the rings, should be utilized.
		Delete 3.3.15 and replace with the following	Install drop structures as shown on the contract drawings to Coquitlam Standard Detail Drawing COQ-S4 and Standard Detail Drawing S3. Maximum allowable inside ramp shall be 250 mm invert to invert.
		Delete 3.3.17 and replace with the following	Ensure frames conform to design contour of pavement or existing surface. Manhole lids left raised in preparation for overlay paving shall have a rubberized protector ring or asphalt ramp. The use of riser rings for adjusting manhole frames will not be permitted.
3.5	Catchbasin Installation	Delete 3.5.1 and replace with the following	Install catchbasins as shown on Coquitlam Standard Detail Drawings COQ-S11A, COQ-S11B and Standard Detail Drawing S11, to general standards and installation procedures described under 3.3 of this Section.

END OF SECTION

***Appendix C –
Supplementary
Standard Drawings***



CURB ON GRAVEL BASE NO SIDEWALK

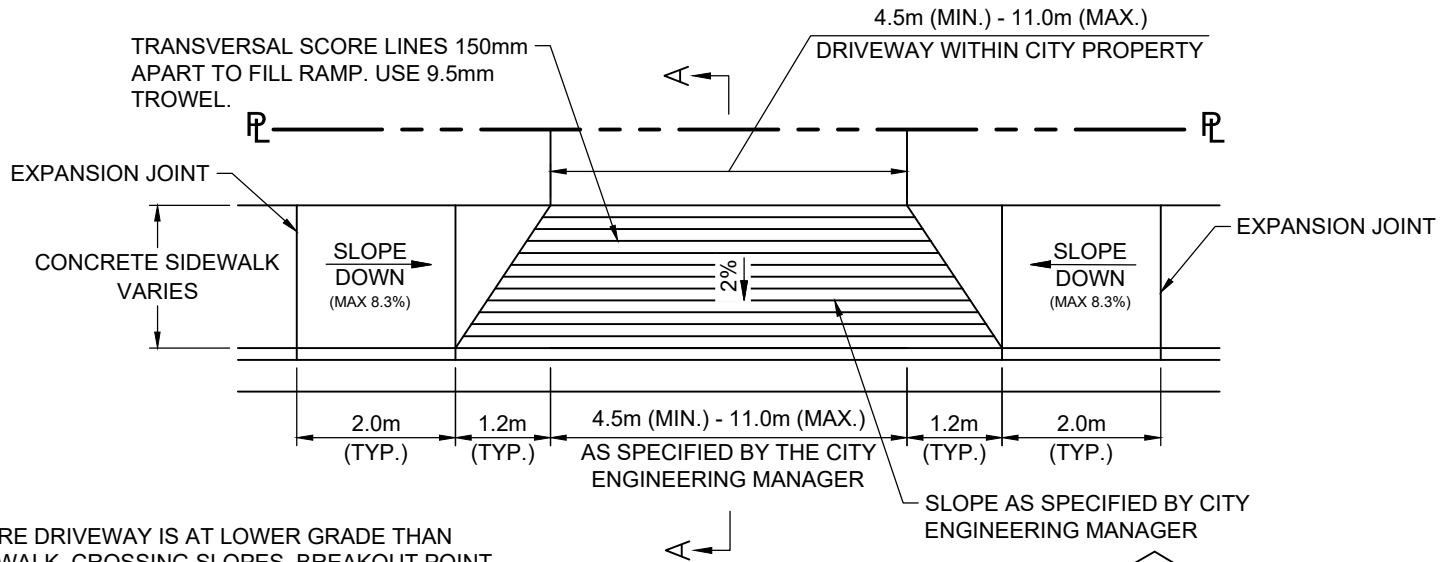
PLOTTED: 22-Feb-16

CURB ON GRAVEL BASE

DATE:	NOV/2015
DRAWN:	REY
SCALE:	N.T.S.

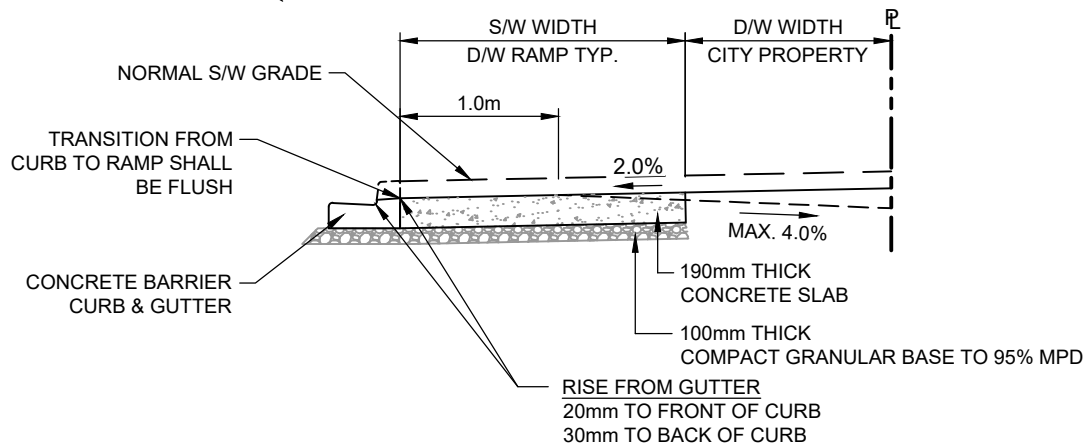
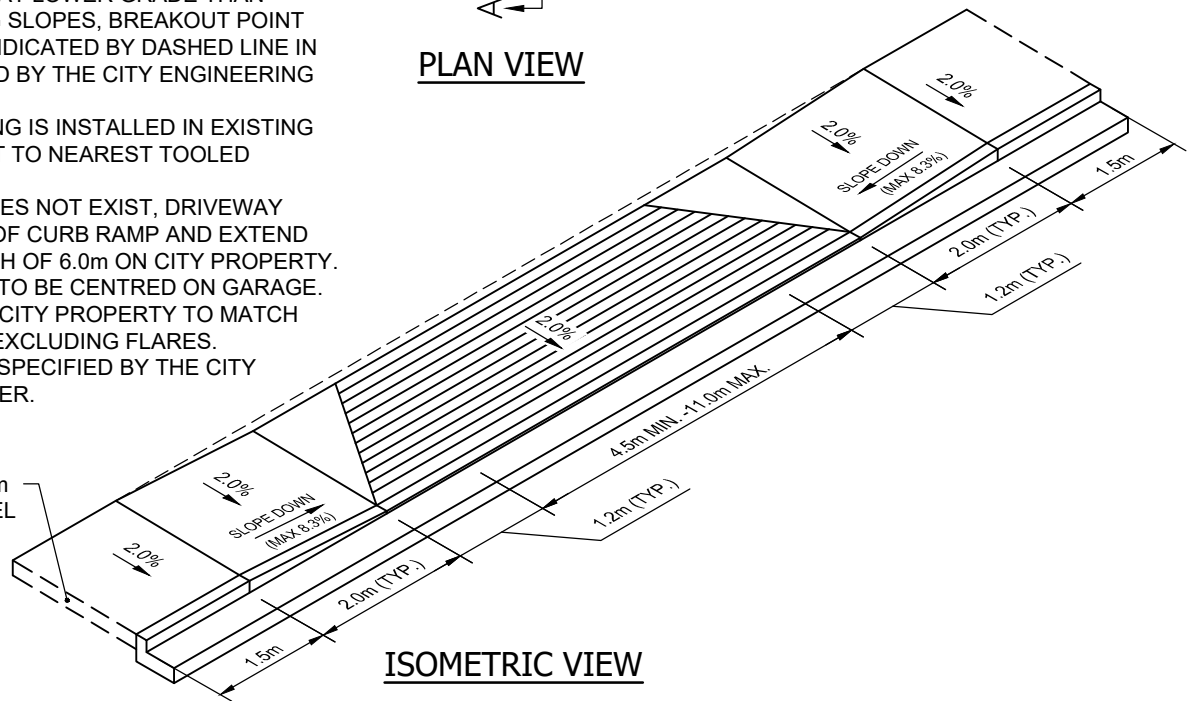
DRAWING NUMBER:
COQ-C6



**NOTES:**

1. WHERE DRIVEWAY IS AT LOWER GRADE THAN SIDEWALK, CROSSING SLOPES, BREAKOUT POINT AND D/W GRADE AS INDICATED BY DASHED LINE IN SECTION IF APPROVED BY THE CITY ENGINEERING MANAGER.
2. WHERE NEW CROSSING IS INSTALLED IN EXISTING SIDEWALK, BREAKOUT TO NEAREST TOOLED TRANSVERSE LINE.
3. WHERE SIDEWALK DOES NOT EXIST, DRIVEWAY MUST START AT TOP OF CURB RAMP AND EXTEND AT 45° TO A MAX WIDTH OF 6.0m ON CITY PROPERTY.
4. DRIVEWAY LETDOWN TO BE CENTRED ON GARAGE.
5. DRIVEWAY WIDTH ON CITY PROPERTY TO MATCH WIDTH OF LETDOWN EXCLUDING FLARES.
6. SLOPE DRIVEWAY AS SPECIFIED BY THE CITY ENGINEERING MANAGER.

SLAB THICKENS TO 190mm FOR ONE SIDEWALK PANEL PAST THE CURB RAMP



PLOTTED: 19-NOV-20

**INDUSTRIAL, COMMERCIAL
DRIVEWAY CROSSING OF
CURB, GUTTER AND SIDEWALK**

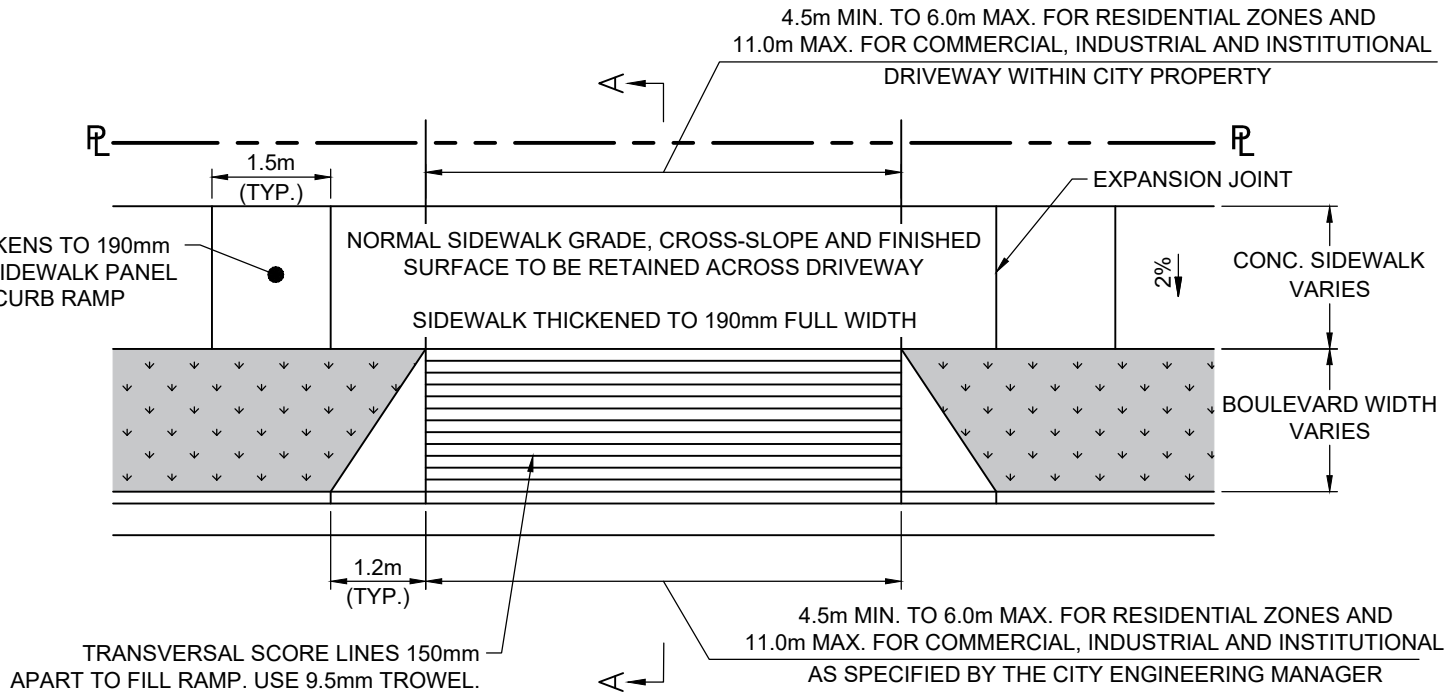
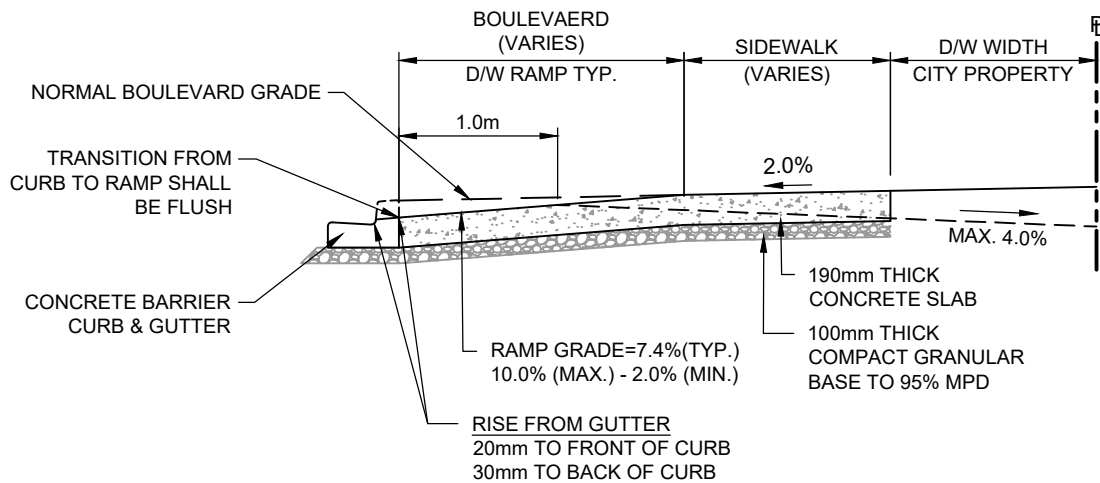
DATE: NOV/2020

DRAWN: GA

SCALE: N.T.S.

DRAWING NUMBER:

COQ-C7A

PLAN VIEWSECTION A-A CURB RAMPNOTES:

1. DRIVEWAY LETDOWN TO BE CENTERED ON GARAGE.
2. DRIVEWAY WIDTH ON CITY PROPERTY TO MATCH WIDTH OF LETDOWN EXCLUDING THE FLARES.
3. WHERE DRIVEWAY IS AT LOWER GRADE THAN SIDEWALK, CROSSING SLOPES, BREAKOUT POINT AND D/W GRADE AS INDICATED BY DASHED LINE IN SECTION IF APPROVED BY THE CITY ENGINEERING MANAGER.

PLOTTED: 19-NOV-20

**TYPICAL CURB/SIDEWALK DRIVEWAY
LETDOWN - SEPARATED SIDEWALK**

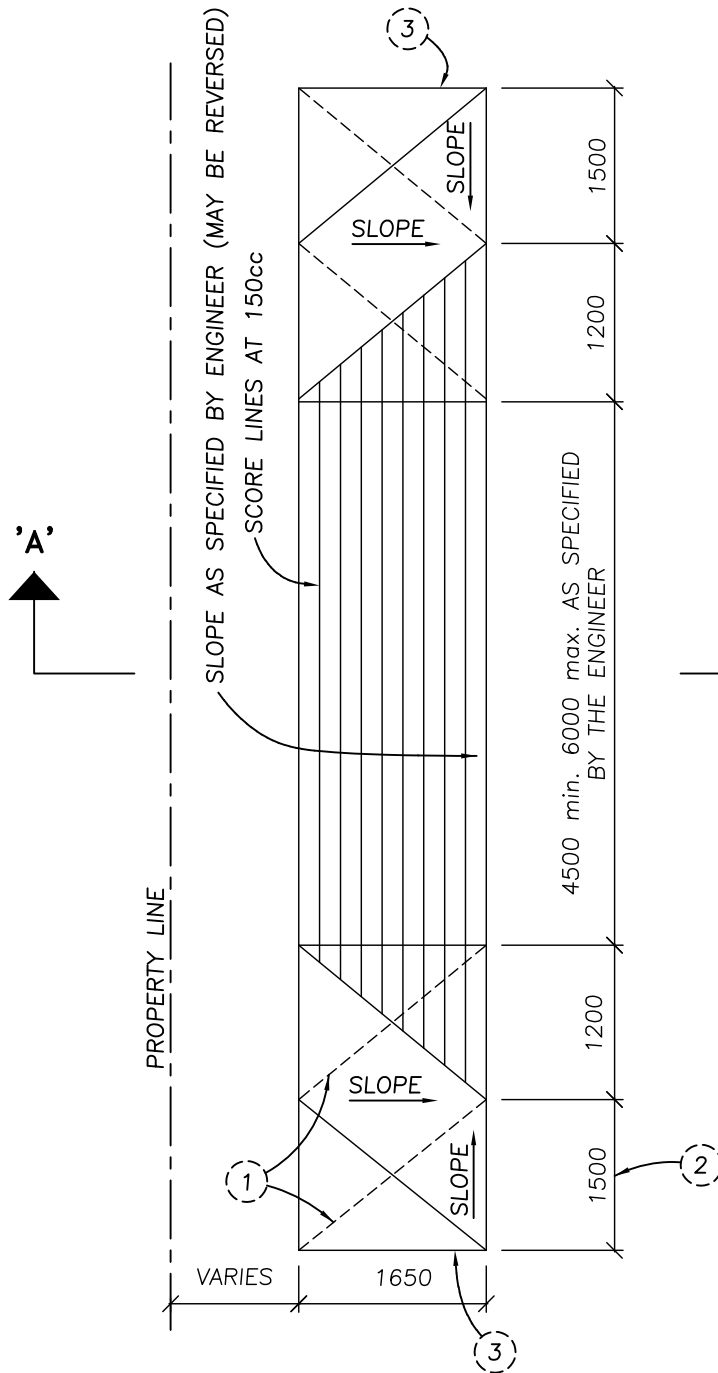
DATE: NOV/2020

DRAWN: GA

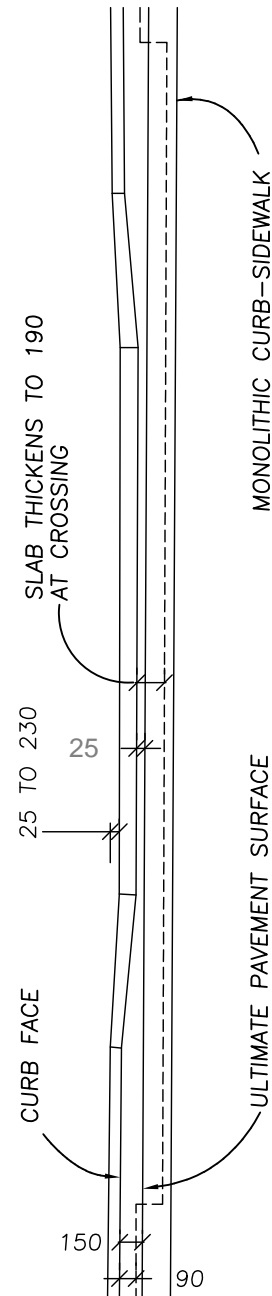
SCALE: N.T.S.

DRAWING NUMBER:

COQ-C7B

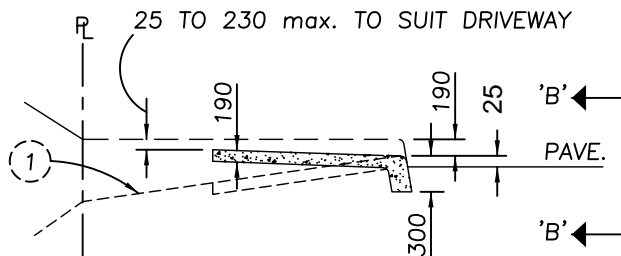


PLAN



FRONT ELEVATION

SECTION 'B-B'



END ELEVATION - SECTION 'A-A'

NOTE:

1. WHERE DRIVEWAY IS AT LOWER GRADE THAN SIDEWALK, CROSSING SLOPES SHALL BE REVERSED AS INDICATED BY DASHED LINES IN SECTION.
2. FLARE REQUIRED ON EACH SIDE
3. WHERE NEW CROSSING IS INSTALLED IN EXIST. SIDEWALK, BREAK OUT TO NEAREST TRANSVERSE LINE.

PLOTTED: 19-Nov-20

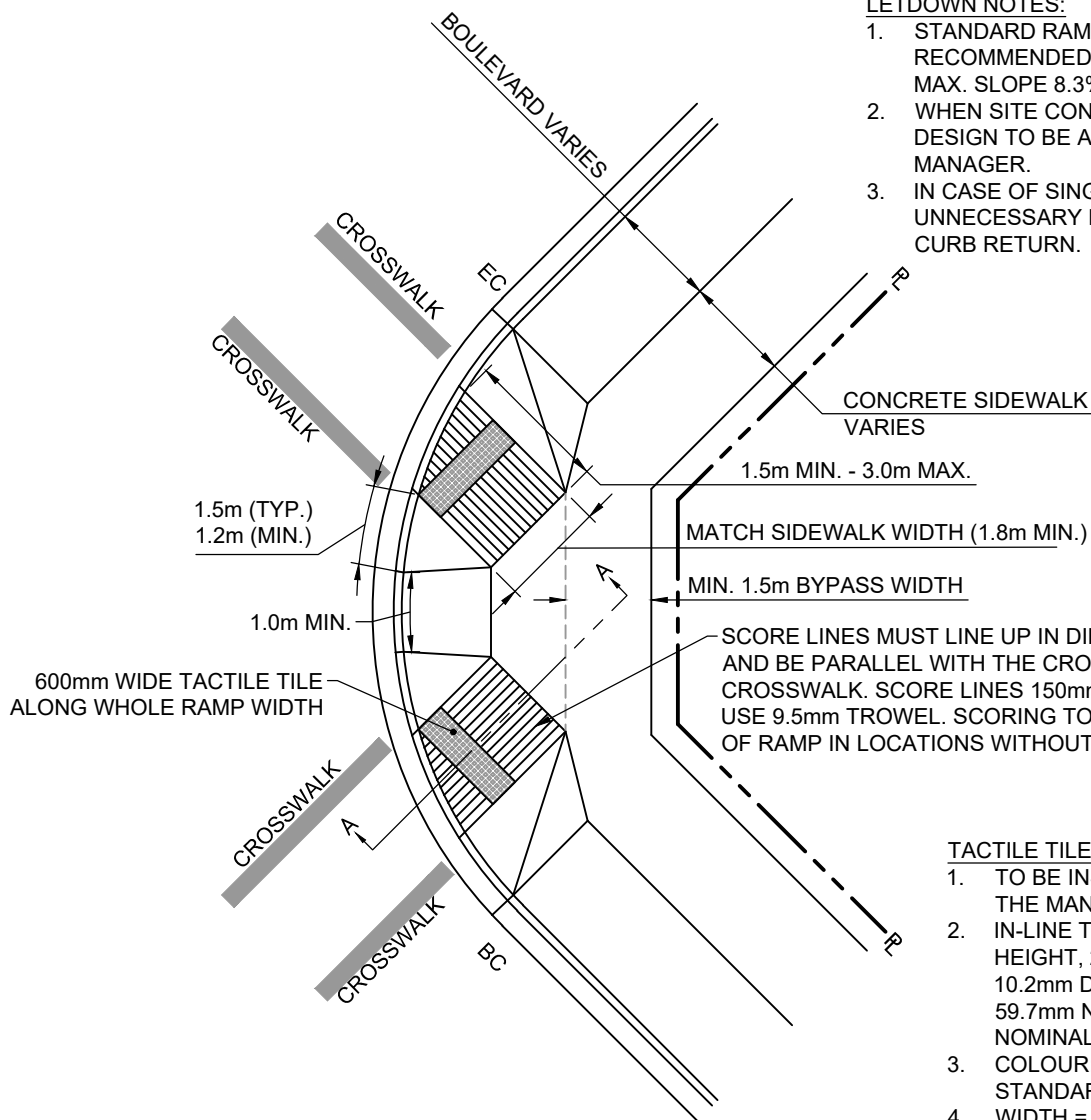
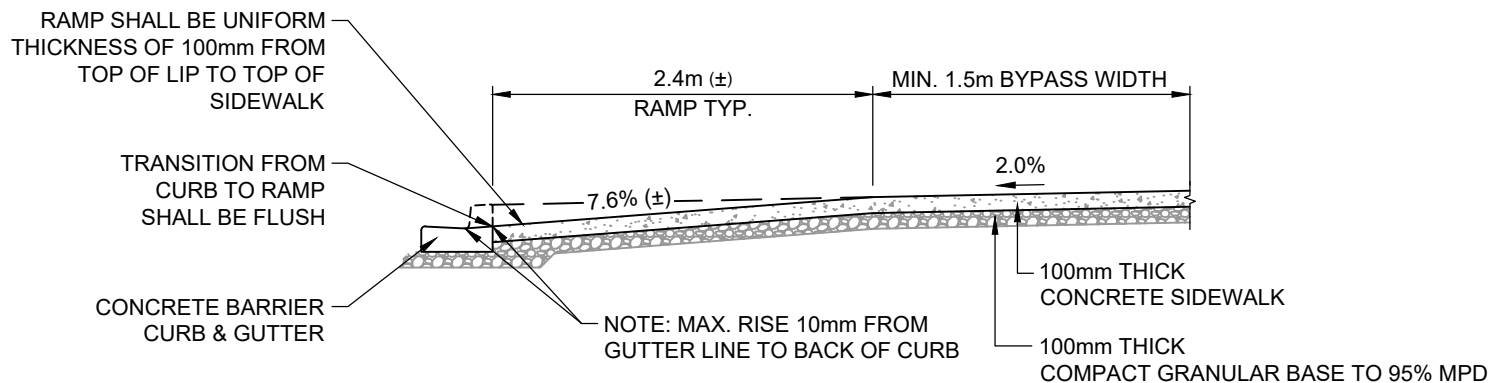
**MONOLITHIC CURB-SIDEWALK
CROSSING WITH DRIVEWAY**

DATE: MAY/2015
DRAWN: REY
SCALE: N.T.S.

DRAWING NUMBER:
COQ-C7C



COQ-C8

**SPLIT LETDOWN**

PLOTTED: 19-NOV-20

**SPLIT LETDOWN AT INTERSECTION
WITH BOULEVARD**

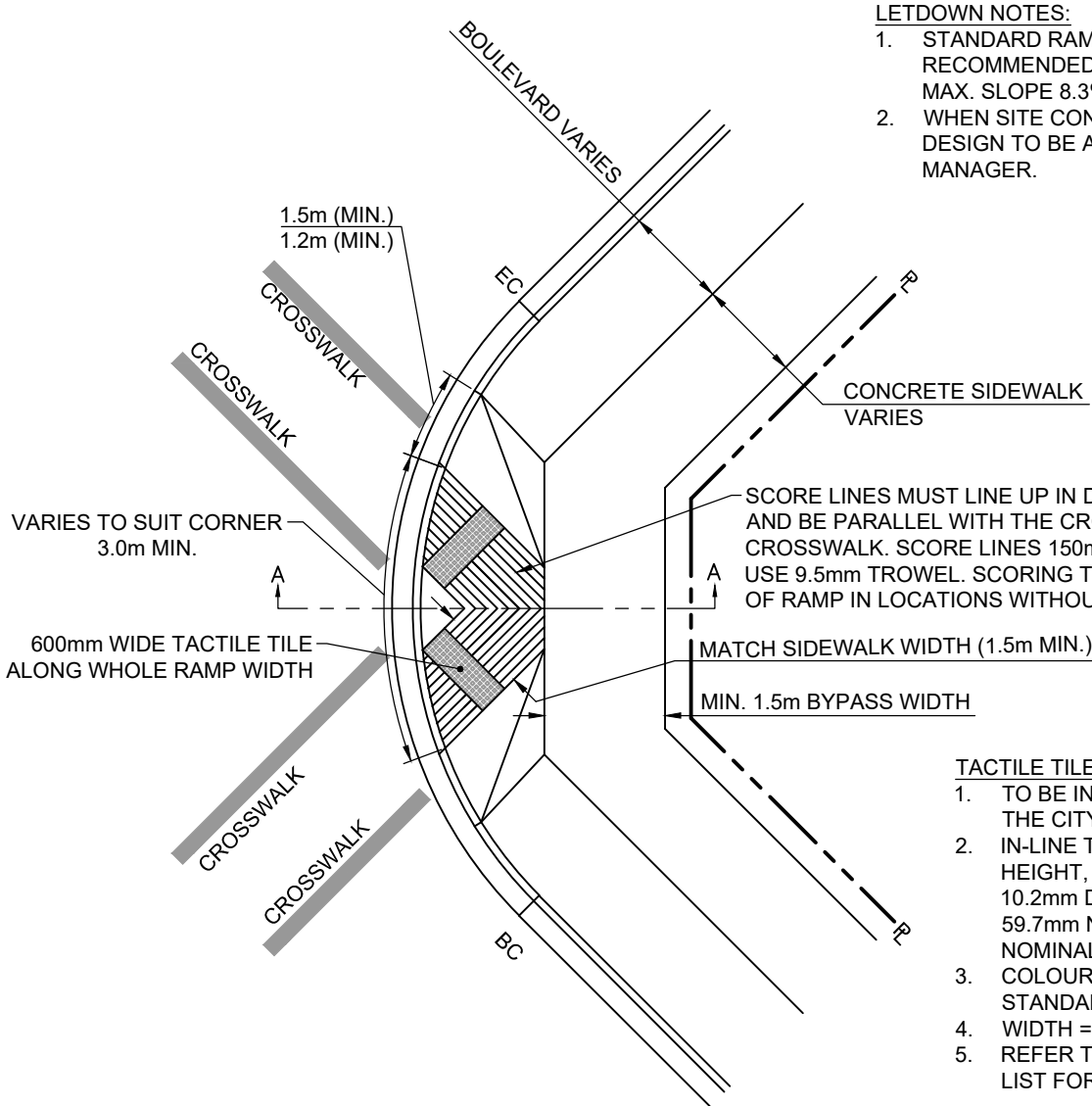
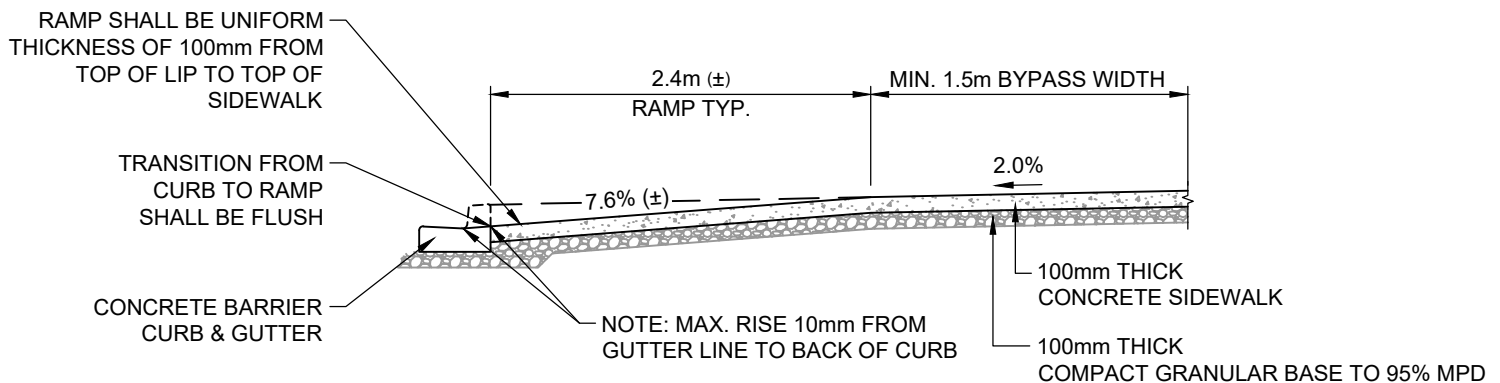
DATE: NOV/2020

DRAWN: GA

SCALE: N.T.S.

DRAWING NUMBER:

COQ-C9A

**SINGLE LETDOWN**

PLOTTED: 19-NOV-20

**SINGLE LETDOWN AT INTERSECTION
WITH BOULEVARD**

DATE: NOV/2020

DRAWN: GA

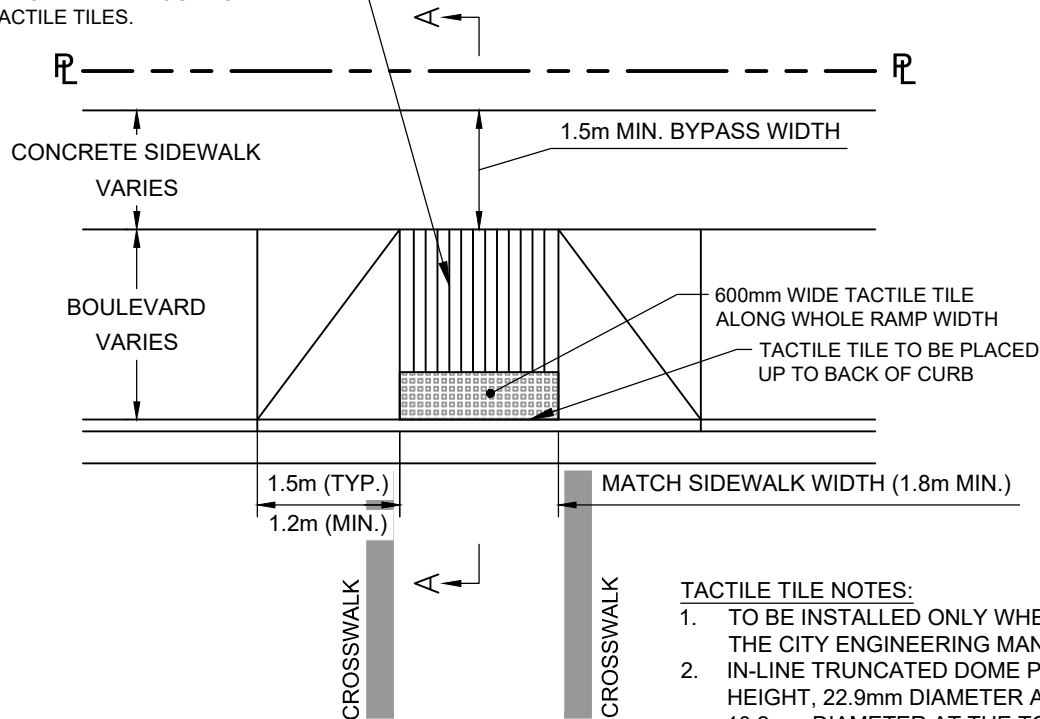
SCALE: N.T.S.

DRAWING NUMBER:

COQ-C9B

SCORE LINES MUST LINE UP IN DIRECTION OF TRAVEL AND BE PARALLEL WITH THE CROSSING OR MARKED CROSSWALK. SCORE LINES 150mm APART TO FILL RAMP. USE 9.5mm TROWEL. SCORING TO EXTEND FULL LENGTH OF RAMP IN LOCATIONS WITHOUT TACTILE TILES.

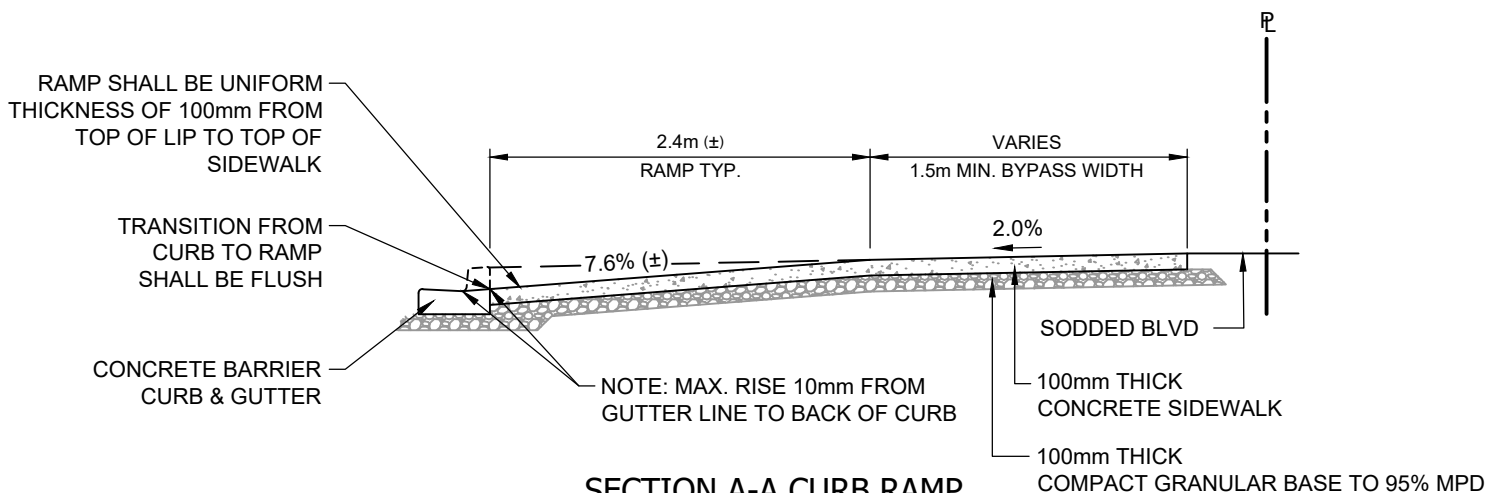
NOTE: STANDARD RAMP LENGTH: 2.4m AT CENTRE OF RAMP. RECOMMENDED RAMP SLOPE: 7.6% (\pm). MAX. SLOPE 8.3% (1:12) WHERE TOPOGRAPHY PERMITS. WHEN SITE CONDITIONS DO NOT PERMIT TYPICAL LAYOUT DESIGN TO BE APPROVED BY THE CITY ENGINEERING MANAGER.



SINGLE RAMP

TACTILE TILE NOTES:

1. TO BE INSTALLED ONLY WHEN PRESCRIBED BY THE CITY ENGINEERING MANAGER.
2. IN-LINE TRUNCATED DOME PATTERN 5.1mm IN HEIGHT, 22.9mm DIAMETER AT THE BASE AND 10.2mm DIAMETER AT THE TOP OF DOME SPACED 59.7mm NOMINAL DIAGONALLY AND 43.2mm NOMINAL SIDE BY SIDE EXCEPT FOR RADIUS TILE.
3. COLOUR: FEDERAL YELLOW PER U.S. FEDERAL STANDARD 595B, TABLE IV, COLOR NO.335.
4. WIDTH = 600mm, LENGTH = RAMP WIDTH
5. REFER TO COQUITLAM APPROVED PRODUCTS LIST FOR ACCEPTABLE SUPPLIERS.



SECTION A-A CURB RAMP

PLOTTED: 19-NOV-20

SINGLE CURB RAMP LETDOWN

DATE: NOV/2020

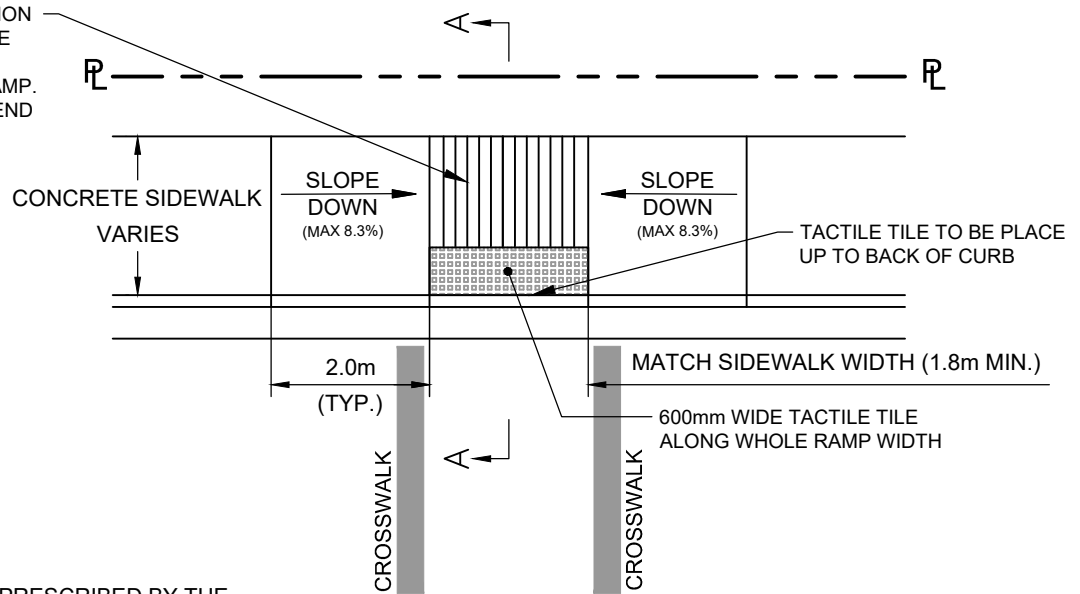
DRAWN: GA

SCALE: N.T.S.

DRAWING NUMBER:

COQ-C9C

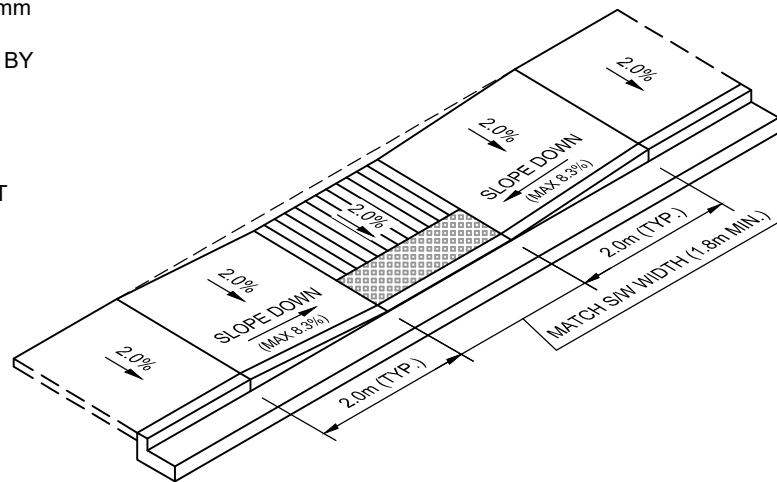
SCORE LINES MUST LINE UP IN DIRECTION OF TRAVEL AND BE PARALLEL WITH THE CROSSING OR MARKED CROSSWALK. SCORE LINES 150mm APART TO FILL RAMP. USE 9.5mm TROWEL. SCORING TO EXTEND FULL LENGTH OF RAMP IN LOCATIONS WITHOUT TACTILE TILES.



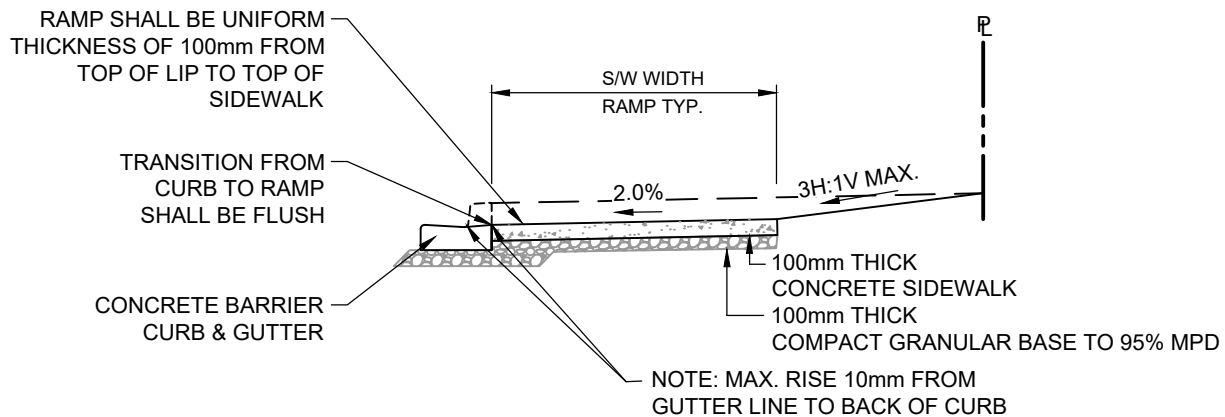
SINGLE RAMP - PLAN VIEW

TACTILE TILE NOTES:

1. TO BE INSTALLED ONLY WHEN PRESCRIBED BY THE CITY ENGINEERING MANAGER.
2. IN-LINE TRUNCATED DOME PATTERN 5.1mm IN HEIGHT, 22.9mm DIAMETER AT THE BASE AND 10.2mm DIAMETER AT THE TOP OF DOME SPACED 59.7mm NOMINAL DIAGONALLY AND 43.2mm NOMINAL SIDE BY SIDE EXCEPT FOR RADIUS TILE.
3. COLOUR: FEDERAL YELLOW PER U.S. FEDERAL STANDARD 595B, TABLE IV, COLOR NO.335.
4. WIDTH = 600mm, LENGTH = RAMP WIDTH
5. REFER TO COQUITLAM APPROVED PRODUCTS LIST FOR ACCEPTABLE SUPPLIERS.



SINGLE RAMP - ISOMETRIC VIEW



SECTION A-A CURB RAMP

PLOTTED: 19-NOV-20

PARALLEL CURB RAMP - SINGLE LETDOWN WITHOUT BOULEVARD

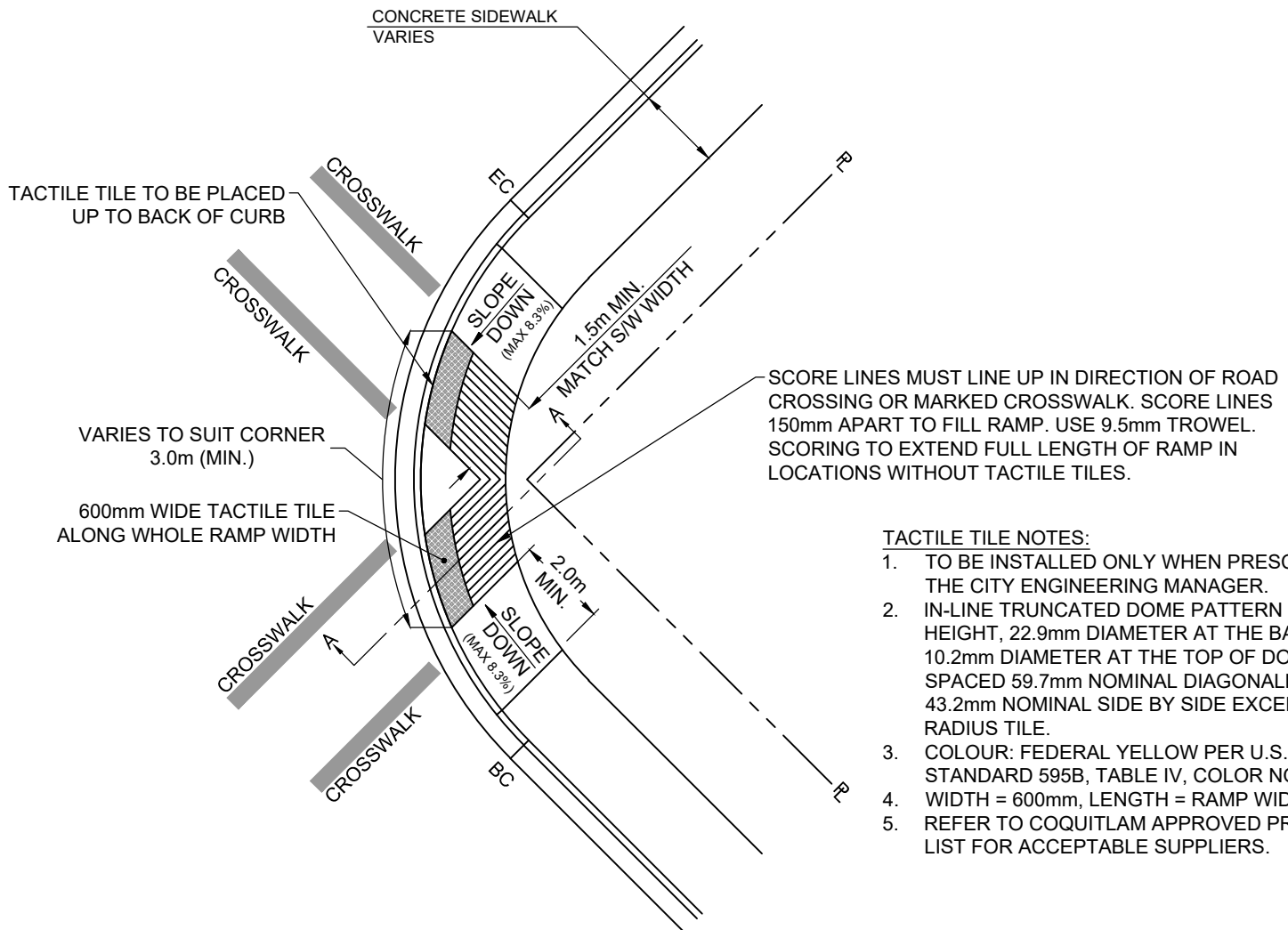
DATE: NOV/2020

DRAWN: GA

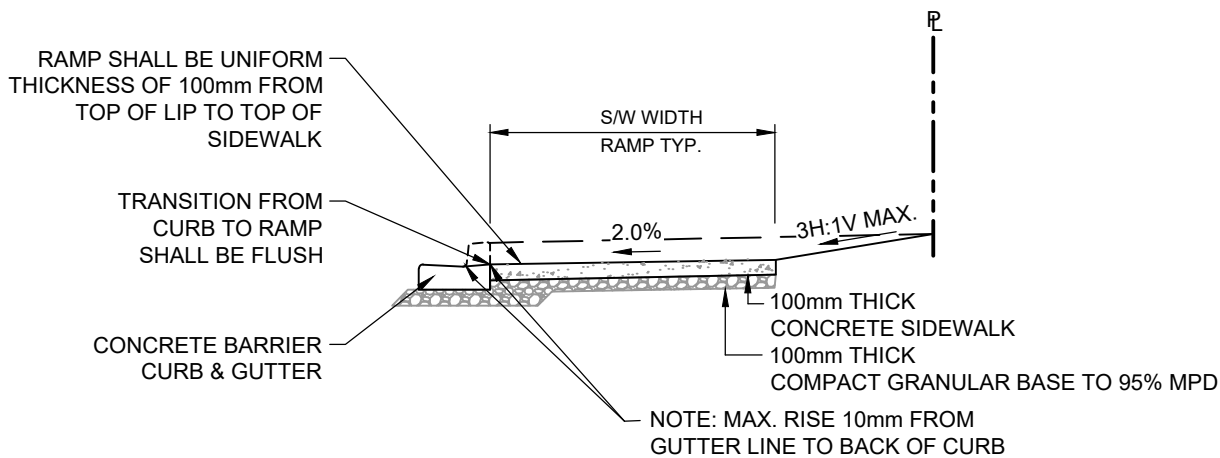
SCALE: N.T.S.

DRAWING NUMBER:

COQ-C9D

**TACTILE TILE NOTES:**

1. TO BE INSTALLED ONLY WHEN PRESCRIBED BY THE CITY ENGINEERING MANAGER.
2. IN-LINE TRUNCATED DOME PATTERN 5.1mm IN HEIGHT, 22.9mm DIAMETER AT THE BASE AND 10.2mm DIAMETER AT THE TOP OF DOME SPACED 59.7mm NOMINAL DIAGONALLY AND 43.2mm NOMINAL SIDE BY SIDE EXCEPT FOR RADIUS TILE.
3. COLOUR: FEDERAL YELLOW PER U.S. FEDERAL STANDARD 595B, TABLE IV, COLOR NO.335.
4. WIDTH = 600mm, LENGTH = RAMP WIDTH
5. REFER TO COQUITLAM APPROVED PRODUCTS LIST FOR ACCEPTABLE SUPPLIERS.

COMBINED LETDOWN**SECTION A-A CURB RAMP**

PLOTED: 19-NOV-20

**PARALLEL CURB RAMP - COMBINED
LETDOWN WITHOUT BOULEVARD**

DATE: NOV/2020

DRAWN: GA

SCALE: N.T.S.

DRAWING NUMBER:

COQ-C9E

***Appendix D -
Summary of Concrete
Quantities – 2017 -2020***

Summary of Concrete Quantities - 2017 - 2020

	City Ref.	Item Num.	DESCRIPTION	UNIT	QUANTITY RANGE/VISIT	2017	2018	2019	2020	Total Quantity
CONCRETE SERVICES										
01 55 00	01 55 005	1.0	GENERAL							
		1.3	Traffic Management Plan (TMP)	each	1	170	0	0	0	0.0
			Excavation Mobilization Fee (under 10 C.M.)	each		0	0	0	0	0.0
			Milling Mobilization Fee (less than or equal to 50 sq. m.)	each		0	0	0	3	0.0
	1.5.1	1.1	MRN & Arterial Roads - Traffic Management Adder	each	1	0	0	0	0	0.0
		1.2	Traffic Control Person	per hour		115.2	242	522	287	498.0
31 24 13	31 24 135	2.0	ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION							
	1.8.4	2.1	Removal of Concrete Curb and Gutter	lin.m.	<=10	152.6	170.7	278.32	283.42	253.4
	1.8.4			lin.m.	>10	382.4	281.2	773.95	575.57	776.7
	1.8.4	2.2	Removal of Extruded Concrete Curb	lin.m.	<=10	8.5	16.2	12	12.5	12.0
	1.8.4			lin.m.	>10	67.4	51.2	23.45	82.85	23.5
	1.8.4	2.2A	Removal of Barrier Curb and Gutter on Gravel Base	lin.m.	<=10	6.5	14.4	23.75	41.35	14.8
	1.8.4			lin.m.	>10	31.8	26.5	153.76	46.1	88.9
	1.8.4	2.3	Removal of Concrete Sidewalk/Letdown	sq.m.	<=15	119.38	264.61	356.545	372.11	332.4
	1.8.4			sq.m.	>15	258.29	243.8	583.24	373.85	600.2
	1.8.4	2.4	Removal of Monolithic Curbwalk	sq.m.	<=15	56	30.2	167.1975	105.3	136.3
	1.8.4			sq.m.	>15	107	78.4	381.32	145.64	407.6
	1.8.4	2.5	Removal of Asphalt Pavement - No Milling	sq.m.	<=25	34.2	29.3	68.05	73.13	69.7
	1.8.4			sq.m.	>25	0	0	31	64.7	31.0
	1.8.4	2.6	Removal of Concrete Driveway	sq.m.	<=15	0	0	17.93	16.25	17.9
	1.8.4			sq.m.	>15	0	57	24.2	0	24.2
	1.8.4	2.7	Removal of Asphalt Driveway	sq.m.	<=15	67.2	0	11.25	1.5	0.0
	1.8.4			sq.m.	>15	19.25	33.5	47.5	0	47.5
	1.8.5	2.8	Common Excavation - Off Site Disposal	C. M.	<=10	47.25	51.58	72.275	43.63	61.1
	1.8.5			C. M.	>10	11.6	0	18.45	10.5	10.2
32 11 23	32 11 235	3.0	GRANULAR BASE							
	1.4.1	3.1	Granular Base - Concrete Works	Tonne	<=15	142.95	103.9	131.16	48.51	134.5
	1.4.1			Tonne	>15	0	0	0	0	0.0
	1.4.1	3.2	Granular Base - Boulevard Restoration	Tonne	<=15	3	0	0	2	0.0
	1.4.1			Tonne	>15	0	0	0	8.4	0.0
03 30 20		4.0	CONCRETE WALKS, CURBS AND GUTTERS							
	1.4.3	4.1	Barrier Type (MMCD C5) Concrete Curb and Gutter	lin.m.	<=10	151.8	164.7	307.6	250.22	272.8
	1.4.3			lin.m.	>10	293.1	267.2	769.51	573.87	772.3
	1.4.3	4.2	Rollover Type (MMCD C4) Concrete Curb and Gutter	lin.m.	<=10	31.4	6	23.25	33.5	23.3
	1.4.3			lin.m.	>10	26.5	21.1	49.4	13.5	49.4
	1.4.3	4.3	Extruded Concrete Curb (COQ-C10A)	lin.m.	<=10	18	13.2	3.3	12.5	3.3
	1.4.3			lin.m.	>10	73.8	71.8	61.6	82.85	23.5
	1.4.3	4.3A	Barrier Curb on Gravel Base	lin.m.	<=10	27.6	18.4	23.75	56.4	14.8
	1.4.3			lin.m.	>10	45.7	26.5	124.56	41.95	103.1
	1.4.5	4.4	Concrete Sidewalk - 90mm Thick	sq.m.	<=15	147.63	162.11	254.27	292.59	246.5
	1.4.5			sq.m.	>15	212.47	114	371.46	158.3	407.5
	1.4.5	4.5	Concrete Sidewalk - 190mm Thick (At Driveway)	sq.m.	<=15	68.55	56.48	158.955	160.95	148.2
	1.4.5			sq.m.	>15	15.5	0	235.58	35.96	235.6
	1.4.6	4.6	Concrete Driveway Crossing - 190mm Thick	sq.m.	<=15	34.34	176.5	108.495	142.16	89.9
	1.4.6			sq.m.	>15	0	33.5	140.4	14.7	140.4
	1.4.10	4.7	Concrete Monolithic Sidewalk (COQ-C8)	sq.m.	<=15	37.6	36.5	120.9725	56.97	101.6
	1.4.10			sq.m.	>15	29	0	262.825	92.76	285.6
	1.4.6	4.8	Concrete Monolithic Sidewalk Driveway Crossing	sq.m.	<=15	86.05	59.7	147.225	108.1	139.1
	1.4.6			sq.m.	>15	12.6	27	0	0	0.0
32 12 16	32 12 165	5.0	HOT-MIX ASPHALT CONCRETE PAVING							
		5.1	Pavement Patching Associated with Concrete Works							
		5.1.1	Slot Paving Associated with Concrete Curb Work - Min. 300mm							
	1.5.1.1		a) <=10 sq.m. - 75mm	sq.m.		44.7	26.1	15.15	13.86	2.8
	1.5.1.1		b) >10 sq.m. - 75mm	sq.m.		34.1	11	46	0	46.0
	1.5.1.1		c) <=10 sq.m. - 100mm	sq.m.		0	0	0	0	0.0
	1.5.1.1		d) >10 sq.m. - 100mm	sq.m.		0	0	0	0	0.0
		6.0	DRIVEWAY RESTORATIONS							
32 12 16	32 12 165 1.5.3	6.1	Asphalt Driveways	sq.m.	<=15	0	0	0	1.5	0.0
	33 12 165 1.5.3			sq.m.	>15	0	0	58.2	0	58.2
03 30 20	03 30 205 1.5.3	6.2	Concrete Driveways - Broom Finish	sq.m.	<=15	0	0	0	0	0.0
	03 30 205 1.5.3			sq.m.	>15	0	0	0	0	0.0
03 30 20	03 30 205 1.5.3	6.3	Concrete Driveways - Exposed Aggregate	sq.m.	<=15	0	0	0	0	0.0
	03 30 205 1.5.3			sq.m.	>15	0	0	0	0	0.0
03 30 20	03 30 205 1.5.3	6.4	Concrete Driveways - Stamped	sq.m.	<=15	0	0	0	0	0.0
	03 30 205 1.5.3			sq.m.	>15	0	0	0	0	0.0
33 44 01	33 44 015	7.0	MANHOLES AND CATCH BASINS							
	1.5.3	7.1	Manhole Frame & Lid Minor Adjustments	Each		0	0	0	1	0.0
	1.5.3	7.2	Manhole Frame & Major Lid Adjustments	Each		1	3	2	2	2.0
32 91 21	32 91 215	8.0	TOP SOIL AND FINISH GRADING							
	1.4.1	8.1	Topsoil and Finish Grading	sq.m.	<=10	7	0	0	3	0.0
	1.4.1			sq.m.	>10	0	0	33	0	33.0
32 92 23		9.0	SODDING							
	1.8.1	9.1	Sodding	sq.m.	<=10	2	0	0	0	0.0
	1.8.1			sq.m.		0				



City of Coquitlam
REQUEST FOR PROPOSALS
RFP No. 21-006

MINOR CONCRETE WORKS SERVICES

Proposals will be received on or before 2:00 pm local time on

Thursday, October 28, 2021
(Closing Date and Time)

Proposal Submission Instructions

Proposal submissions are to be consolidated into one PDF file and uploaded electronically through Qfile, the City's file transfer service accessed at website: qfile.coquitlam.ca/bid

1. In the "Subject" field enter: **RFP Number and Name**
2. Add files in .pdf format and **Send**
(Ensure your web browser remains open until you receive 2 emails from Qfile to confirm upload is complete.)

Proponents are responsible to allow ample time to complete the submission process.
For assistance Phone 604-927-3060

PROPOSAL SUBMISSION FORM

Complete and return this Proposal Submission Form

Submitted by: _____
(company name)

Proponents are to provide as much information as possible when replying to each point throughout the proposal.

Proponents **MUST** identify any specific requirements with which they are unwilling or unable to comply.

1. SCHEDULE OF QUANTITIES AND PRICES

1.1. Minor Concrete Works Services

All service provided is to be in accordance with all governing regulatory authorities within the City of Coquitlam. Unit prices proposed are to be all inclusive; therefore, include all labour, material, tools, equipment, transportation, fuel, supervision, permits, disposal fees, incidentals and any other items required for provision of the complete Scope of Services.

Unit Prices shall be all-inclusive stated in (Canadian Funds) and shall remain FIRM for the initial term of the Contract for completion of the Services, excluding GST.

Table 1 – Schedule of Quantities and Prices:

MMCD Ref.	City Ref.	Item Num.	DESCRIPTION	UNIT	UNIT PRICE
01 55 00	01 55 00S	1.0	GENERAL		
		1.3	Traffic Management Plan (TMP)	each	
		1.2	Traffic Control Person	per hour	
31 24 13	31 24 13S	2.0	ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION		
	1.8.4	2.1	Removal of Concrete Curb and Gutter		
	1.8.4	2.1.1	0 - 3 m	lin.m.	
	1.8.4	2.1.2	3 - 9 m	lin.m.	
	1.8.4	2.1.3	9 - 18 m	lin.m.	
	1.8.4	2.1.4	>18 m	lin.m.	
	1.8.4	2.2	Removal of Extruded Concrete Curb		
	1.8.4	2.2.1	0 - 3 m	lin.m.	
	1.8.4	2.2.2	3 - 9 m	lin.m.	
	1.8.4	2.2.3	9 - 18 m	lin.m.	
	1.8.4	2.2.4	> 18 m	lin.m.	
	1.8.4	2.3	Removal of Barrier Curb and Gutter on Gravel Base		
	1.8.4	2.3.1	0 - 3 m	lin.m.	
	1.8.4	2.3.2	3 - 9 m	lin.m.	
	1.8.4	2.3.3	9 - 18 m	lin.m.	
	1.8.4	2.3.4	> 18 m	lin.m.	
	1.8.4	2.4	Removal of 25mm/50mm Extruded Asphalt Curb		
	1.8.4	2.4.1	0 - 3 m	lin.m.	
	1.8.4	2.4.2	3 - 9 m	lin.m.	
	1.8.4	2.4.3	9 - 18 m	lin.m.	
	1.8.4	2.4.4	>18 m	lin.m.	
	1.8.4	2.5	Removal of 150mm Extruded Asphalt Curb		
	1.8.4	2.5.1	0 - 3 m	lin.m.	
	1.8.4	2.5.2	3 - 9 m	lin.m.	
	1.8.4	2.5.3	9 - 18 m	lin.m.	
	1.8.4	2.5.4	> 18 m	lin.m.	

City of Coquitlam

RFP No. 21-006 Minor Concrete Works Services

Proposal Submission Form

MMCD Ref.	City Ref.	Item Num.	DESCRIPTION	UNIT	UNIT PRICE
	1.8.4	2.6	Removal of Concrete Sidewalk/Letdown		
	1.8.4	2.6.1	0 - 2.25 sq. m.	sq.m.	
	1.8.4	2.6.2	2.25 - 4.5 sq. m.	sq.m.	
	1.8.4	2.6.3	4.5 - 9.0 sq. m.	sq.m.	
	1.8.4	2.6.4	9.0 - 27.0 sq. m.	sq.m.	
	1.8.4	2.6.5	> 27.0 sq. m.	sq.m.	
	1.8.4	2.7	Removal of Monolithic Curbwalk		
	1.8.4	2.7.1	0 - 2.25 sq. m.	sq.m.	
	1.8.4	2.7.2	2.25 - 4.5 sq. m.	sq.m.	
	1.8.4	2.7.3	4.5 - 9.0 sq. m.	sq.m.	
	1.8.4	2.7.4	9.0 - 27.0 sq. m.	sq.m.	
	1.8.4	2.7.5	> 27.0 sq. m.	sq.m.	
	1.8.4	2.8	Removal of Asphalt Pavement - No Milling		
	1.8.4	2.8.1	0 - 5.0 sq. m.	sq.m.	
	1.8.4	2.8.2	5.0 - 10.0 sq. m.	sq.m.	
	1.8.4	2.8.3	10.0 - 15.0 sq. m.	sq.m.	
	1.8.4	2.8.4	> 15.0 sq. m.	sq.m.	
	1.8.4	2.9	Removal of Concrete Driveway		
	1.8.4	2.9.1	0 - 5.0 sq. m.	sq.m.	
	1.8.4	2.9.2	5.0 - 10.0 sq. m.	sq.m.	
	1.8.4	2.9.3	> 10.0 sq. m.	sq.m.	
	1.8.4	2.10	Removal of Asphalt Driveway		
	1.8.4	2.10.1	0 - 5.0 sq. m.	sq.m.	
	1.8.4	2.10.2	5.0 - 10.0 sq. m.	sq.m.	
	1.8.4	2.10.3	10.0 - 15.0 sq. m.	sq.m.	
	1.8.4	2.10.4	> 15.0 sq. m.	sq.m.	
	1.8.5	2.11	Common Excavation - Off Site Disposal		
	1.8.5	2.11.1	0 - 1.0 c. m.	C. M.	
	1.8.5	2.11.2	1.0 - 3.0 c. m.	C. M.	
	1.8.5	2.11.3	3.0 - 5.0 c. m.	C. M.	
	1.8.5	2.11.4	> 5.0 c. m.	C. M.	
32 11 23	32 11 23S	3.0	GRANULAR BASE		
	1.4.1	3.1	Granular Base - Concrete Works		
	1.4.1	3.1.1	0 - 2.0 tonne	Tonne	
	1.4.1	3.1.2	2.0 - 5.0 tonne	Tonne	
	1.4.1	3.1.3	> 5.0 tonne	Tonne	
03 30 20		4.0	CONCRETE WALKS, CURBS AND GUTTERS		
	1.4.3	4.1	Barrier Type (MMCD C5) Concrete Curb and Gutter		
	1.4.3	4.1.1	0 - 3 m	lin.m.	
	1.4.3	4.1.2	3 - 9 m	lin.m.	
	1.4.3	4.1.3	9 - 18 m	lin.m.	

City of Coquitlam

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MMCD Ref.	City Ref.	Item Num.	DESCRIPTION	UNIT	UNIT PRICE
	1.4.3	4.1.4	>18 m	lin.m.	
	1.4.3	4.2	Rollover Type (MMCD C4) Concrete Curb and Gutter		
	1.4.3	4.2.1	0 - 3 m	lin.m.	
	1.4.3	4.2.2	3 - 9 m	lin.m.	
	1.4.3	4.2.3	9 - 18 m	lin.m.	
	1.4.3	4.2.4	>18 m	lin.m.	
	1.4.3	4.3	Extruded Concrete Curb (150mm-High)		
	1.4.3	4.3.1	0 - 3 m	lin.m.	
	1.4.3	4.3.2	3 - 9 m	lin.m.	
	1.4.3	4.3.3	9 - 18 m	lin.m.	
	1.4.3	4.3.4	>18 m	lin.m.	
	1.4.3	4.4	Barrier Curb on Gravel Base (COQ –C6)		
	1.4.3	4.4.1	0 - 3 m	lin.m.	
	1.4.3	4.4.2	3 - 9 m	lin.m.	
	1.4.3	4.4.3	9 - 18 m	lin.m.	
	1.4.3	4.4.4	>18 m	lin.m.	
	1.4.5	4.5	Concrete Sidewalk - 90mm Thick		
	1.4.5	4.5.1	0 - 2.25 sq. m.	sq.m.	
	1.4.5	4.5.2	2.25 - 4.5 sq. m.	sq.m.	
	1.4.5	4.5.3	4.5 - 9.0 sq. m.	sq.m.	
	1.4.5	4.5.4	9.0 - 27.0 sq. m.	sq.m.	
	1.4.5	4.5.5	> 27.0 sq. m.	sq.m.	
	1.4.5	4.6	Concrete Sidewalk - 190mm Thick (At Driveway)		
	1.4.5	4.6.1	0 - 2.25 sq. m.	sq.m.	
	1.4.5	4.6.2	2.25 - 4.5 sq. m.	sq.m.	
	1.4.5	4.6.3	4.5 - 9.0 sq. m.	sq.m.	
	1.4.5	4.6.4	9.0 - 27.0 sq. m.	sq.m.	
	1.4.5	4.6.5	> 27.0 sq. m.	sq.m.	
	1.4.6	4.7	Concrete Driveway Crossing - 190mm Thick		
	1.4.6	4.7.1	0 - 4.5 sq. m.	sq.m.	
	1.4.6	4.7.2	4.5 - 7.0 sq. m.	sq.m.	
	1.4.6	4.7.3	7.0 - 12.0 sq. m.	sq.m.	
	1.4.6	4.7.4	> 12.0 sq. m.	sq.m.	
	1.4.5	4.8	Concrete Monolithic Sidewalk (COQ-C8)		
	1.4.5	4.8.1	0 - 2.25 sq. m.	sq.m.	
	1.4.5	4.8.2	2.25 - 4.5 sq. m.	sq.m.	
	1.4.5	4.8.3	4.5 - 9.0 sq. m.	sq.m.	
	1.4.5	4.8.4	9.0 - 27.0 sq. m.	sq.m.	
	1.4.5	4.8.5	> 27.0 sq. m.	sq.m.	

City of Coquitlam
RFP No. 21-006 Minor Concrete Works Services
Proposal Submission Form

MMCD Ref.	City Ref.	Item Num.	DESCRIPTION	UNIT	UNIT PRICE
	1.4.6	4.9	Concrete Monolithic Sidewalk Driveway Crossing (COQ-C7C)		
	1.4.5	4.9.1	0 - 6.5 sq. m.	sq.m.	
	1.4.5	4.9.2	6.5 - 12.0 sq. m.	sq.m.	
	1.4.5	4.9.3	> 12.0 sq. m.	sq.m.	
	1.4.10	4.10	Tactile Warning Strip - Removable Type - Federal Yellow - (24" x 48")	Each	
32 12 16	32 12 16S	5.0	HOT-MIX ASPHALT CONCRETE PAVING		
			Pavement Patching Associated with Concrete Works		
		5.1	Slot Paving Associated with Concrete Curb Work (75mm) - Min. 300mm		
	1.5.1	5.1.1	0 - 2.7 sq.m.	sq.m.	
	1.5.1	5.1.2	2.7 - 5.4 sq.m.	sq.m.	
	1.5.1	5.1.3	> 5.4 sq.m.	sq.m.	
		5.2	25mm Exctuded Asphalt Curb		
	1.5.4	5.2.1	0 - 3 m	lin.m.	
	1.5.4	5.2.2	3 - 9 m	lin.m.	
	1.5.4	5.2.3	9 - 18 m	lin.m.	
	1.5.4	5.2.4	>18 m	lin.m.	
		5.3	50mm Exctuded Asphalt Curb		
	1.5.4	5.3.1	0 - 3 m	lin.m.	
	1.5.4	5.3.2	3 - 9 m	lin.m.	
	1.5.4	5.3.3	9 - 18 m	lin.m.	
	1.5.4	5.3.4	>18 m	lin.m.	
		5.4	150mm Exctuded Asphalt Curb		
	1.5.4	5.4.1	0 - 3 m	lin.m.	
	1.5.4	5.4.2	3 - 9 m	lin.m.	
	1.5.4	5.4.3	9 - 18 m	lin.m.	
	1.5.4	5.4.4	>18 m	lin.m.	
		6.0	DRIVEWAY RESTORATIONS		
32 12 16	32 12 16S	6.1	Asphalt Driveways	sq.m.	
	1.5.3	6.1.1	0 - 3.0 sq. m.	sq.m.	
	1.5.3	6.1.2	3.0 - 6.0 sq. m.	sq.m.	
	1.5.3	6.1.3	> 6.0 sq. m.	sq.m.	
03 30 20	03 30 20S	6.2	Concrete Driveways - Broom Finish	sq.m.	
	1.4.5	6.2.1	0 - 3.0 sq. m.	sq.m.	
	1.4.5	6.2.2	3.0 - 6.0 sq. m.	sq.m.	
	1.4.5	6.2.3	> 6.0 sq. m.	sq.m.	
33 44 01	33 44 01S	7.0	MANHOLES AND CATCH BASINS		
	1.5.3	7.1	Manhole Frame & Lid Minor Adjustments	Each	
	1.5.3	7.2	Manhole Frame & Major Lid Adjustments	Each	

2. VALUE ADDED

Provide information on what makes your firm innovative, what is your competitive advantage, and what other services your firm provides that would assist or be of benefit to the City:

3. SUSTAINABLE BENEFITS AND SOCIAL RESPONSIBILITY

a) Sustainable Benefits

Describe all initiatives, policies, programs and product choices that illustrate your firm's efforts towards sustainable practices and environment responsibility in providing the services that would benefit the City:

b) Social Responsibility

- i. What policies does your organization have for hiring apprentices, indigenous peoples, recent immigrants, veterans, young people, women, and people with disabilities:

- ii. What policies does your organization have for the procurement of goods and services from local small and medium sized business or social enterprises:

4. REQUESTED DEPARTURES – CONTRACT

The Proponent has reviewed the City's Contract and the [Standard Terms and Conditions - Purchase of Goods and Services](#) . I/We would be prepared to enter into that Contract, amended by the following departures (list, if any):

5. NON-COMPLIANCE

Fully describe any deviations to the City's specifications and requirements outlined in this RFP that your company is unable to comply with:

6. CORPORATE PROFILE

Proponent is to state how many years they have been in business and organizational history (e.g. mission, vision, corporate directions, years in business, etc.)

7. EXPERIENCE, CAPABILITIES AND CAPACITY

- a) Proponent is to provide a narrative as to their experience and capabilities in delivering goods and Services similar to those requested in this RFP:

- b) Proponent is to provide a narrative as to their capacity to take on this Contract with respect to manpower and other contracts that may affect their ability in delivering the goods and Services:

8. RESPONSE TIMES

Provide the proposed response time (number of days) following written requests from the City to proceed with the following services:

Concrete Services - _____

Comments:

9. KEY PERSONNEL

The following are the Proponent's key personnel proposed for use on this project. Include relevant experience, qualifications, certification, roles, responsibilities and availability for this project.

Name	Position	Experience and Qualifications	Years with your organization

10. SUB-CONTRACTORS

The Proponent is to provide information on the background and experience of all sub-contractors proposed to undertake the Services.

The Prime Contractor is responsible for all work on this project and confirms that subcontractors are identified and will comply with all terms and conditions of the RFP:

Sub-Contractor	Services Performed	Background and Experience

11. EQUIPMENT AND VEHICLES

Equipment, vehicles and power tools used at the work site must be clearly identified. List Proponent's vehicles and equipment which is owned or leased and would be used in providing the services. Demonstration of the equipment, vehicles and tools offered may be required and must comply in all respects with all applicable standards, requirements and governing regulations of CSA and the BC Motor Vehicle Act.

Equipment and Vehicles			
Item No.	Major Equipment	Make / Model	Year
.1			
.2			
.3			
.4			

12. REFERENCES

Proponents shall be professionally qualified to perform the services required and have successfully completed recent trail construction projects similar in size, scope and complexity. By submission of a Proposal, Proponents agree the City may verify successful completion of work. Information obtained from references may not be discussed or disclosed to any Proponents.

Year Started	
Year Completed	
Description of Contract or Project	
Company	
Contact Person	
Telephone and Email	
Contract Value	

Year Started	
Year Completed	
Description of Contract or Project	
Company	
Contact Person	
Telephone and Email	
Contract Value	

Year Started	
Year Completed	
Description of Contract or Project	
Company	
Contact Person	
Telephone and Email	
Contract Value	

13. ADDENDA

We acknowledge receipt of the following Addenda related to this Request for Proposals and have incorporated the information received in preparing this Proposal:

Addendum No.	Date Issued

14. **AUTHORIZATION**

We hereby submit our Proposal for the services as specified and undertake to carry out the work in strict accordance with all referenced Terms & Conditions, Regulations and Codes, applicable to this RFP.

We agree to the rules of participation outlined in the [Instructions to Proponents](#) and should our proposal be selected, will accept the City's contract: [Terms and Conditions of Purchase](#)

The signature is an authorized person of the organization and declares the statements made in their submission are true and accurate.

For the purpose of this RFP submission, electronic signatures will be accepted.

Company Name:	
Address:	
Phone:	
GST Registration No.:	
Project Contact: Name and Title of Individual <i>for communication related to this RFP</i> (please print)	
Contact Email:	
Name & Title of Authorized Signatory: (please print)	
Signature:	
Date:	