



Lutheran Camp Association

Request for Quotation

For

Road Improvements, Culvert Installations and Other Work

Camp Koinonia

6223 Township Road 534A, Alberta

Contract Date:

Contractor:

Part 1 - Introduction

1.1 Invitation

This Request for Quotations (the “RFQ”) issued by Lake Isle Lutheran Camp Association (the “LCA”) is an invitation to submit non-binding offers for the provision of road improvements, culvert installations and other Work as further described in Part 4, for the Rates established in Appendix B. The Respondent selected pursuant to this RFQ process will be informed in writing. Respondents not selected will also be informed in writing upon request.

The LCA is a non-profit organization located immediately west of Edmonton led by a volunteer Board of Directors and supported by the many volunteer hours of its members. With the beauty of God’s creation as the backdrop, camping and retreats offer a variety of activities to enable campers to grow spiritually, intellectually, and physically. The LCA has grown to a community of over 155 lot holders and has seen generations of families continue to enjoy Christian living.

For the purposes of this procurement process, the “LCA Contact” shall be:

LCA Contact: **Kraig Fischer, Vice President**
Email: Vicepres@lakeislelutherancamp.com

1.2 RFQ Timetable

Issue Date of RFQ	November 23, 2021
Deadline for Questions	December 10, 2021 at 16:30 hrs local time
Deadline for Issuing Addenda	December 13, 2021
Submission Deadline	December 14, 2021 at 14:00:00 hrs local time
Rectification Period	Three Business Days from notification of Rectification

The RFQ timetable is tentative only and may be changed by the LCA at any time prior to the Submission Deadline.

1.3 No Guarantee of Volume of Work or Exclusivity of Contract

The LCA makes no guarantee of the value or volume of Work to be assigned to the successful Respondent. The Agreement with the selected Respondent will not be an exclusive contract for the provision of the described Deliverables. The LCA may contract with others for the same or similar Deliverables to those described in the RFQ or may obtain the same or similar Deliverables internally.

1.4 Submission Instructions

Respondents are requested to submit their submission in the form prescribed herein by the Submission Deadline to the LCA Contact identified below in the manner set out below.

Respondents should submit one electronic copy (in PDF or Word format) by email to the LCA Contact.

Kraig Fischer, Vice President
Email: Vicepres@lakeislelutherancamp.com

Submissions are to be prominently marked with the RFQ title and number (see RFQ cover) in the subject line, and with the full legal name and return address of the Respondent, and with the Submission Deadline in the email.

A Respondent may, at its option, email the LCA Contact prior to the Submission Deadline with delivery details or anticipated arrival time of its response. In the event a response does not arrive as

scheduled, the LCA may provide those Respondents who have given such prior notice one additional Business Day to affect the delivery of their responses. The Submission Date shall be deemed to be adjusted accordingly for the purpose of accepting those responses. For the purposes of this section, "Business Day" means any working day between 8:30 a.m. and 4:30 p.m., Monday to Friday inclusive, but excluding statutory and other holidays that the LCA has elected to be closed for business. Responses received after the Submission Deadline, without prior email notification as detailed above, will be rejected.

1.5 Respondents to Review RFQ

Respondents shall promptly examine all of the documents comprising this RFQ and (a) shall report any errors, omissions or ambiguities and (b) may direct questions or seek additional information in writing by email to the LCA Contact on or before the Deadline for Questions. LCA is under no obligation to provide additional information but may do so at its sole discretion. It is the responsibility of the Respondent to seek clarification from the LCA Contact on any matter it considers to be unclear. The LCA shall not be responsible for any misunderstanding on the part of the Respondent concerning this RFQ or its process.

Respondents and their representatives may not contact individuals employed or engaged by any member of the LCA, other than the LCA Contact, concerning matters regarding this RFQ. Only information received by the LCA Contact will be considered in the RFQ process. All such communications must be in writing. Any Respondent that does not follow these instructions may be disqualified.

1.6 All New Information to Respondents by Way of Addenda

This RFQ may be amended only by an addendum in accordance with this section. If the LCA, for any reason, determines that it is necessary to provide additional information relating to this RFQ, such information will be communicated to all Respondents by addenda. Each addendum shall form an integral part of this RFQ. Such addenda may contain important information, including significant changes to this RFQ. Respondents are responsible for obtaining all addenda issued by the LCA.

1.7 Amendment of Responses

Respondents may amend their responses prior to the Submission Deadline by submitting the amendment via email and prominently marked with the RFQ title and number and the full legal name and address of the Respondent. Any amendment should clearly indicate which part of the response the amendment is intended to amend or replace.

1.8 Withdrawing Submissions

At any time throughout the RFQ process, a Respondent may withdraw a submission. To affect a withdrawal, a notice of withdrawal must be sent to the LCA Contact and must be signed by an authorized representative. The LCA is under no obligation to return withdrawn submissions.

1.9 RFQ Award

The successful Proponent will be informed of the acceptance of its RFQ submission in writing. Unsuccessful Proponents will be informed upon request.

In addition to any other rights contained herein, if the Total Bid of every RFQ submission exceeds the amount LCA has budgeted for the Work, LCA may reject all RFQ submissions or attempt to negotiate a lower price with the Proponent who, in the sole and unfettered discretion of LCA, has submitted the most advantageous RFQ submission.

Each Proponent acknowledges and agrees that, in the event that the Total Bid of every Proponent exceeds the amount LCA has budgeted for the Work, LCA has the sole and unfettered discretion to

employ any criteria in order to determine the RFQ submission most advantageous to the LCA, and that the LCA has no obligation to disclose such criteria.

By submitting its RFQ submission, each Proponent waives its right to contest in any action, application, case or legal proceeding in any court, the decision which the LCA may pursue to conduct the negotiation referred to herein or the decision by the LCA of which Proponent has submitted the most advantageous RFQ.

If the RFQ Sum of every Proponent exceeds the amount budgeted for the Work and the LCA negotiates with the Proponent who has submitted the RFQ submission considered most advantageous to the LCA:

- a. All statements made by either side in the course of negotiation are without prejudice and confidential;
- b. In particular, the LCA's attempt to negotiate with such Proponent does not constitute a rejection of its RFQ submission; and
- c. the LCA will not attempt to obtain a lower price for the same Work that the Proponent originally bid on, but may attempt to obtain a lower price for an altered Scope of Work. In no event will the LCA be obliged to disclose the amount budgeted for the Work.

1.10 Debriefing

There will be no debriefings for these proposals.

[End of Part 1]

PART 2 – EVALUATION OF QUOTATIONS

2.1 Stages of Evaluation

The evaluation of quotations will be conducted in the following stages:

- Stage I will consist of a review to determine which submissions satisfy all of the mandatory requirements. Quotations failing to satisfy the mandatory requirements as of the Submission Deadline will be provided an opportunity to rectify any deficiencies. Quotations failing to satisfy the mandatory requirements within the Rectification Period will be excluded from further consideration. The Rectification Period will begin to run from the date and time that LCA issues its rectification notice to the Respondent.
- Stage II will consist of a scoring on the basis of the Rated Criteria as set out in Part 4.
- Stage III may consist of an interview with the highest scoring Respondent(s) from Stage II.

Subject to the Terms of Reference and Governing Law, the top-ranked Respondent as established under the evaluation will be selected to enter into a contract for the provision of the Deliverables. The selected Respondent will be expected to enter into a contract within the timeframe specified in the selection notice. Failure to do so may, among other things, result in the disqualification of the Respondent and the selection of another Respondent, or the cancellation of the RFQ.

2.2 Mandatory Requirements

2.2.1 Mandatory Forms

Each quotation must include:

Appendix B – Quotation Form completed and signed by an authorized representative of the respondent

Appendix C – Contractor Questionnaire Form completed in accordance with the instructions

Appendix D – Pricing Form completed in accordance with the instructions

2.2.2 Other Mandatory Requirements

(a) Safety Prequalification

The LCA will only consider Respondents who, prior to the Submission Deadline, possess a valid Certificate of Recognition (COR) which is relevant to their industry and is recognized by Alberta Human Resources and Employment, Workplace Health and Safety.

For Respondents who have not obtained a COR, a valid Temporary Letter of Certification (TLC) issued by the Alberta Construction Safety Association (ACSA) will be considered acceptable. The LCA will confirm that the Respondent possesses a COR or a valid TLC through the ACSA.

It is the Respondent's responsibility to ensure his registration in the program is properly documented with the ACSA and the LCA will assume no liability for errors or omissions by the ACSA in this regard.

Prospective Respondents who do not possess a valid COR and wish to obtain information about obtaining a COR, or TLC, are advised to contact:

Alberta Construction Safety Association
#101, 225 Parsons Road, SW
Edmonton, AB, T6X 0W6
Tel: (780) 453-3311 or 1-800-661-2272
Fax: (780) 455-1120 or 1-877-441-0440
www.acsa-safety.org

Respondents shall submit a copy of their valid COR, or TLC in their response.

2.3 Rated Criteria

In addition to submitting the Quotation Form, noted above and if applicable, Respondents should respond to the non-price factors described in Part 4 with reference to the applicable rated criteria categories as set out in Section 4.3 of Part 4 – RFQ Particulars.

2.4 Tie Score

In the event of a tie score, the selected Respondent will be the Respondent with the most competitive price.

[End of Part 2]

PART 3 – TERMS OF REFERENCE AND GOVERNING LAW

In responding to this RFQ, and to be eligible for consideration, each Respondent must submit a completed and signed Quotation Form that, among other things, acknowledges its acceptance of the RFQ Terms of Reference and Governing Law as contained hereunder:

- (a) this RFQ process is not intended to create a formal legally binding bidding process and shall not give rise to the legal rights or duties applied to a formal Contract A binding bidding process or any other legal obligations arising out of any tendering process contract or collateral contract, and instead shall be governed by the common law applicable to direct commercial negotiations;
- (b) neither party shall have the right to make any claims (in contract, tort, or otherwise) against the other with respect to the award of a contract, the failure to award a contract or the failure to honour a quotation;
- (c) the Respondent will bear its own costs associated with, or incurred in, the preparation and presentation of its quotation, including, if applicable, costs incurred for interviews or demonstrations;
- (d) no legal obligation regarding the procurement of any good or service shall be created between the Respondent and the LCA until the LCA accepts the Respondent's offer in writing;
- (e) when evaluating quotations, the LCA may request further information from the Respondents or third parties in order to verify, clarify or supplement the information provided in the Respondent's submission, and the LCA may revisit and re-evaluate the Respondent's submission or ranking on the basis of any such information;
- (f) the LCA may consider the Respondent's past performance on previous contracts or any other relevant information taken into account by the LCA when determining the acceptability of a Respondent;
- (g) the LCA may disqualify a Respondent for any conduct, situation or circumstance that constitutes a Conflict of Interest, as solely determined by the LCA. "Conflict of Interest" shall have the meaning ascribed to it in the Quotation Form (Appendix B);
- (h) the Respondent consents to the LCA's collection of the information as contemplated under this RFQ for the uses contemplated under this RFQ;
- (i) the LCA will not return the submission or any accompanying documentation submitted by a Respondent;
- (j) the LCA may elect not to consider a Respondent whose quotation contains misrepresentations or any other inaccurate, misleading or incomplete information;
- (k) the LCA may prohibit a Respondent from participating in a procurement process based on poor past performance or based on inappropriate conduct and such inappropriate conduct shall include but not be limited to (i) the submission of quotations containing misrepresentations or any other inaccurate, misleading or incomplete information, (ii) the refusal of the Respondent to honour its pricing or other commitments made in its quotation, or (iii) any other conduct, situation or circumstance, as solely determined by the LCA, that constitutes a Conflict of Interest; and

(l) the LCA may cancel this RFQ process at any time.

The parties also acknowledge that these terms (a) are included for greater certainty and are intended to be interpreted broadly and separately (with no particular provision intended to limit the scope of any other provision); (b) are non-exhaustive (and shall not be construed as intending to limit the pre-existing rights of the parties to engage in pre-contractual discussions in accordance with the common law governing direct commercial negotiations); and (c) are to be governed by, and interpreted and construed in accordance with the laws of the province of Alberta and the federal laws of Canada applicable therein.

[End of Part 3]

PART 4 – RFQ PARTICULARS

4.1 Deliverables

The LCA is seeking quotations from qualified contractors for roadway upgrades, culvert installation and other Work inside the Lutheran Camp Association (Camp Koinonia). This project supports the ongoing drainage improvements and program set out by the LCA.

4.1.2 Background

The LCA has tasked its Drainage & Associated Infrastructure Committee with managing and developing solutions to the drainage issues located at the LCA. The LCA membership has committed to improving the drainage problems located within the camp. As a non-profit organization, the LCA is funded by its members and is committed to the continued success and longevity of Camp Koinonia.

4.1.3 Scope of Work

Without limiting the provisions of the RFQ, the Scope of Work shall include, but is not limited to, the following:

Sunrise Beach Drive Grade Raise – Work along this section of road includes the grade raise, reconstruction and surfacing from stations 0+140 to 0+250. The Scope of Work shall include, but is not limited to, the following:

- Clearing & Ditching
- Roadway Work

Sunset Beach Drive Culvert – Work at this Site includes the removal and salvage of 1 - 300 mm diameter concrete culvert with an invert length of 30.3 m and replacement with 1 - 600 mm diameter CSP culvert with a 32.0 m invert length. The Scope of Work shall include, but is not limited to, the following:

- Removal and salvage of the existing culvert
- Excavation
- CSP supply and installation
- Supply and installation of class 1M rock riprap
- Roadway Work including ditching to restore positive drainage
- Landscaping

Cranberry Lane Culvert – Work at this Site includes the removal and salvage of 1 - 300 mm diameter concrete culvert with an invert length of 10.3 m and replacement with 1 - 600 mm diameter CSP culvert with an 11.0 m invert length. The Scope of Work shall include, but is not limited to, the following:

- Removal and salvage of the existing culvert
- Excavation
- CSP Supply and installation
- Supply and Installation of class 1M rock riprap
- Roadway Work including ditching to restore positive drainage

Lot 123/124 Culvert – Work at this Site includes the installation of 1 - 300 mm diameter CSP culvert with a 23.0 m invert length. The Scope of Work shall include, but is not limited to, the following:

- Excavation
- CSP Supply and installation

- Backfill
- Landscaping

Warranty for all Work completed under this RFP shall be for a period of **Two (2) Years** following construction completion.

Unless otherwise specified, the Contractor must supply all materials necessary to complete the Work. A complete job is called for, therefore any labour, material, equipment, tool, or incidental item not specifically mentioned, but necessary for completeness, will be considered incidental to the Work, and no separate or additional payment will be made.

4.2 Material Disclosures

The contractor shall comply with the following documents, specification and standards:

- (a) The specifications for highway and bridge construction Work, which shall form part of the Contract Agreement, are published in the following Government of Alberta – Transportation (“AT”) manuals:
 - o Standard Specifications for Highway Construction, Edition 16, 2019
 - o General Specifications, Specification Amendments and Supplemental Specifications for Highway and Bridge Construction, Edition 16, 2019
- (b) Appendix E – Special Provisions
- (c) Appendix F – Plans and Drawings

4.2.1 Location of Work

The Lutheran Camp is located at the following rural address:
6223 Township Road 534A

A Google Maps image with directions from Edmonton, AB can be found on the LCA website at the following link: <https://www.lakeislelutherancamp.com/contact-us>

4.2.2 Project Schedule

The Contractor must meet the schedule for completion of Work as follows: All Work on this Contract shall be completed by October 15, 2022.

4.2.3 Project Team

Project team members identified are to remain on the project until completion. Any changes in project team members will be subject to the LCA’s approval, and the LCA shall ensure such changes do not negatively impact the quality of the Deliverables and project timelines.

4.2.4 Prime Contractor

The Contractor is assigned the role of Prime Contractor pursuant to s. 3 of the *Occupational Health and Safety Act*, R.S.A. 2000, c. O-2 for the Work Site and is responsible for ensuring compliance with all Applicable Laws relating to safety by all employers and employees on the Work Site.

4.2.5 Security

A performance Bond and Labour and Material Bond as specified in the General Specifications for Highway and Bridge Construction will not be required for this Work.

4.2.6 Alberta Worker’s Compensation Board (WCB)

A current Alberta WCB Clearance Letter should be included in the quotation as evidence of such coverage and confirmation that the Respondent’s account is in good standing. If the Respondent

does not have such coverage in place, the Respondent will be required to obtain it within 10 days upon receiving notice of the intent to award.

4.2.7 Proof of Insurability

The Contractor shall carry Insurance policies in accordance with the minimum requirements and limits set out in AT General Specification 1.2.4, Insurance. Proof of insurance should be provided to the LCA with the Respondent’s submission.

4.3 Rated Criteria

Stage II will consist of an evaluation of the quotation to determine the high score based on the following criteria:

Rated Criteria Category	Point Scale	Weighting	Total Points Available
Stage II			
Corporate Profile, Demonstrated Experience and References	0 to 5	x 3	15
Proposed Construction Methodology and Scheduling	0 to 5	x 3	20
Pricing	n/a	n/a	65
Total Points			100

Scoring shall be awarded on a scale of 0 to 5 as outlined below. Partial scores or scores not defined below will not be used. Points will be assigned for each applicable criterion based on the information provided in the submission response. Points could be modified, depending upon reference checks and other independent information subsequently received and confirmed.

5	Fully exceeds expectations, Respondent clearly understands the requirement, excellent probability of success
4	Somewhat exceeds expectations; high probability of success
3	Fully meets expectations; Respondent has good understanding of requirement, negligible weakness or deficiencies good probability of success
2	Partially meets expectations; minor weakness or deficiencies, fair probability of success
1	Does not meet expectations or demonstrate understanding of the requirements, major weakness or deficiencies, low probability of success
0	Lack of response or complete misunderstanding of the requirements, no probability of success

Respondents should ensure their submission includes the following information to facilitate the evaluation process so that their submission receives full consideration:

4.3.1 Corporate Profile, Demonstrated Experience and Qualifications

- (a) Corporate suitability and suitability of any parties in a joint venture and any subcontractors.
- (b) Number of years the Respondent has been providing similar goods and services relevant to the Deliverables.

- (c) References from clients who have obtained similar Deliverables in the past five (5) years to those covered under this RFQ.

4.3.2 Proposed Construction Methodology and Scheduling

Evaluation of methodology will be based on the description of the Respondent’s understanding of the project, key issues/challenges and overall approach to deal with the construction activities as well as a proposed approach to mitigate risks identified. This should include but is not limited to:

- (a) Minimize disruption to Lot Holders and campers;
- (b) Provide safe movement for workers, motorists, and pedestrians;
- (c) Work Site management plan, including laydown areas, construction zones and project phasing; and
- (d) Work plan and schedule, including level of resources for each activity with contingency that meets the project schedule.

4.3.3 Evaluation of Pricing

Respondents shall complete the Pricing Table in Appendix D.

Pricing will be scored based on a relative pricing formula using the total price and Rates set out in the Pricing Form.

Each Respondent will receive a percentage of the total possible points allocated to price for the particular category it has bid on by dividing that Respondent’s price for that category into the lowest bid price in that category. For example, if a Respondent bids \$120.00 for a particular category and that is the lowest bid price in that category, that Respondent receives 100% of the possible points for that category ($120/120 \times 100 = 100\%$). A Respondent who bids \$150.00 receives 80% of the possible points for that category ($120/150 \times 100 = 80\%$) and a Respondent who bids \$240.00 receives 50% of the possible points for that category ($120/240 \times 100 = 50\%$).

$$\frac{\text{Lowest rate}}{\text{Second-lowest rate}} \times \text{Total available points} = \text{Score for quotation with second-lowest rate}$$

$$\frac{\text{Lowest rate}}{\text{Third-lowest rate}} \times \text{Total available points} = \text{Score for quotation with third-lowest rate}$$

And so on, for each submission.

[End of Part 4]

APPENDIX A - FORM OF AGREEMENT

THIS Agreement made and concluded in triplicate as of this _____ day of _____, 20__ between the Lutheran Camp Association in the said Province of Alberta (hereinafter called "LCA") of the first part and _____ of the _____ in the Province of Alberta (hereinafter called "the Contractor") of the second part.

WITNESSETH, that for and in consideration of the covenants and agreements on the part of the LCA, hereinafter contained and the prices hereinafter mentioned, the Contractor for himself, his executors, administrators and assigns, covenants and agrees with the LCA to do, furnish and perform the Works, materials, matters, and things required to be done, furnished and performed, in the manner hereinafter described, in connection with the following Work or Works, namely:

Request for Quotation LCA 1-2021
Road Improvements, Culvert Installation and Other Work

Within Camp Koinonia
6223 Township Road 534A, Alberta

in strict accordance with the plans and specifications of said Work hereto attached, and to deliver the same over, complete and fully finished in every particular to the LCA on or before **October 15, 2022**.

It is mutually agreed that the attached Quotation of the Contractor, together with the plans, specifications and any special provisions herein designated and referred to are hereby made and shall be considered part of this Agreement the same as if herein fully set forth.

IN CONSIDERATION WHEREOF, and upon the Contractor fully completing and executing in every particular the Work herein contracted for within the time herein before set out, and upon the said Contractor satisfying the said LCA that all just claims for labour and materials and for damages in connection with the Work have been paid, LCA covenants, promises and agrees to pay unto and to the said Contractor for the actual amount of Work done and materials in place at the unit prices stated in the Contractor's attached quotation.

IN WITNESS WHEREOF, the Contractor has hereunto set his hand and seal as of the day and year herein mentioned, and these presents have been signed and sealed by an authorized representative on behalf of the LCA of the Province of Alberta.

SIGNED, SEALED AND DELIVERED BY THE
CONTRACTOR IN THE PRESENCE OF:

Witness

_____ Contractor

SIGNED AND SEALED ON BEHALF OF
the LCA

APPENDIX B – QUOTATION FORM

1. Respondent Information

Please fill out the following form, and name one person to be the contact for this RFQ response and for any clarifications or amendments that might be necessary.	
Full Legal Name of Respondent:	
Any Other Relevant Name under which the Respondent Carries on Business:	
Street Address:	
City, Province/State:	
Postal Code:	
Phone Number:	
Fax Number:	
Company Website (if Any):	
RFQ Contact Person and Title:	
RFQ Contact Phone:	
RFQ Contact Facsimile:	
RFQ Contact Email:	

2. Acknowledgement of Terms of Reference and Governing Law

The Respondent acknowledges that this RFQ process will be governed by the specific Terms of Reference and Governing Law set out in this RFQ, and that, among other things, the Terms of Reference and Governing Law confirm that this procurement process does not constitute a formal legally binding bidding process, and that there will be no legal relationship or obligations created until the LCA accepts the Respondent's offer in writing.

3. Ability to Provide Deliverables

The Respondent has carefully examined this RFQ and has a clear and comprehensive knowledge of the Deliverables required. The Respondent represents and warrants its ability to provide the Deliverables in accordance with the requirements of the RFQ for the pricing set out below and has provided a list of any subcontractors to be used to complete the proposed contract.

4. Non-binding Price Estimates

Respondents should provide pricing for the Deliverables described in Appendix D – Pricing Form.

The Respondent confirms that the pricing information provided is accurate. The Respondent acknowledges that any inaccurate, misleading or incomplete information, including withdrawn or altered pricing, could adversely impact the acceptance of its quotation or its eligibility for future work.

The Respondent acknowledges that the pricing is provided in Canadian dollars and includes all applicable duties and taxes except for Goods and Services Tax (GST), which should be itemized separately, all labour and material costs, all travel and carriage costs, all insurance costs, all costs of

delivery to the LCA, all costs of installation and set-up, including any pre-delivery inspection charges and all other overhead, including any fees or other charges required by law.

5. Addenda

The Respondent is deemed to have read and accepted all addenda issued by the LCA prior to the Deadline for Issuing Addenda. The onus remains on Respondents to make any necessary amendments to their quotations based on the addenda. The Respondent is requested to confirm that it has received all addenda by listing the addenda numbers or, if no addenda were issued, by writing the word "None" on the following line: _____ . Respondents who fail to complete this section will be deemed to have received all posted addenda.

6. Conflict of Interest

Prior to completing this portion of the Quotation Form, Respondents should refer to the following definition of Conflict of Interest:

"Conflict of Interest" includes, but is not limited to, any situation or circumstance where

- (a) in relation to the bidding process, the Respondent has an unfair advantage or engages in conduct, directly or indirectly, that may give it an unfair advantage, including but not limited to (i) having, or having access to, information in the preparation of its quotation that is confidential and not available to other Respondents, (ii) communicating with any person with a view to influencing preferred treatment in the RFQ process, or (iii) engaging in conduct that compromises, or could be seen to compromise, the integrity of the open and competitive RFQ process and render that process non-competitive and unfair; or
- (b) in relation to the performance of its contractual obligations contemplated in the contract that is the subject of this procurement, the Respondent's other commitments, relationships or financial interests (i) could, or could be seen to, exercise an improper influence over the objective, unbiased and impartial exercise of its independent judgement, or (ii) could, or could be seen to, compromise, impair or be incompatible with the effective performance of its contractual obligations.

If the box below is left blank, the Respondent will be deemed to declare that (a) there was no Conflict of Interest in preparing its quotation; and (b) there is no foreseeable Conflict of Interest in performing the contractual obligations contemplated in the RFQ.

Otherwise, if the statement below applies, check the box.

- The Respondent declares that there is an actual or potential Conflict of Interest relating to the preparation of its quotation, and/or the Respondent foresees an actual or potential Conflict of Interest in performing the contractual obligations contemplated in the RFQ.

If the Respondent declares an actual or potential Conflict of Interest by marking the box above, the Respondent must set out below details of the actual or potential Conflict of Interest, and must explain why the Respondent believes that the Conflict of Interest should not result in disqualification from the RFQ process:

The following individuals, as employees, advisers, or in any other capacity, (a) participated in the preparation of our quotation **AND** (b) were employees of the LCA and have ceased that employment within 12 months prior to the Submission Deadline:

Name of Individual:
Job Classification:
Department:
Last Date of Employment with the LCA:
Name of Last Supervisor with the LCA:
Brief Description of Individual's Job Functions:
Brief Description of Nature of Individual's Participation in the Preparation of the Submission:

(REPEAT ABOVE FOR EACH IDENTIFIED INDIVIDUAL)

The Respondent agrees that, upon request, the Respondent shall provide the LCA with additional information from each individual identified above in the form prescribed by the LCA.

7. Confidential Information of Respondent

A Respondent should identify any information in its quotation or any accompanying documentation supplied in confidence for which confidentiality is to be maintained by the LCA. The confidentiality of such information will be maintained by the LCA, except as otherwise required by law or by order of a court or tribunal. Respondents are advised that their quotations will, as necessary, be disclosed on a confidential basis, to the LCA's advisers retained for the purpose of evaluating or participating in the evaluation of their quotations. If a Respondent has any questions about the collection and use of personal information pursuant to this RFQ, questions are to be submitted to the LCA Contact.

Signature of Witness

Signature of Respondent Representative

Name of Witness

Respondent Representative Name and Title

Date: _____

I have authority to bind the Respondent

APPENDIX C – CONTRACTOR QUESTIONNAIRE FORM

1. Corporate Profile, Demonstrated Experience and References

1.1 Registered Name

Provide the registered name of the Respondent:

1.2 Date and Location Company Established

Provide the date and location company established:

Date:	
Location:	

1.3 Ownership

Check whether Respondent's company is publicly or privately owned:

Publicly owned Privately owned

1.4 Type of Company

Check the appropriate type of company:

Proprietorship Limited Company
 Partnership Corporation
 Other

If other, provide details:

1.5 Company Officers

Provide the following information for all company officers:

<u>Title</u>	<u>Name</u>	<u>Years with Company</u>

1.6 Core Businesses

If applicable, list the other core businesses that the Respondent is involved in, in descending priority. Attach additional sheets as required.

<u>Other Core Business</u>	<u>No. of Years in the Business</u>

1.7 Years of Experience

State the number of years' experience providing similar services to the project.

Years of Experience _____

1.8 Relevant Experience and References

List relevant projects that demonstrate the Respondent's experience in the last five years. Relevant Experience provided should include the personnel listed in 1.13 below. Attach additional sheets as required.

Project Reference One			
Client / Company Name:			
Representative for the Client:		Phone No.	
		Email Address:	
Project Location:			
Nature / Scope of Work:			
Contract Dollar Value:			
Date and Length of Project:			
Provide the Names of Project Staff:			

Project Reference Two			
Client / Company Name:			
Representative for the Client:		Phone No.	
		Email Address:	
Project Location:			
Nature / Scope of Work:			
Contract Dollar Value:			
Date and Length of Project:			
Provide the Names of Project Staff:			

Project Reference Three			
Client / Company Name:			
Representative for the Client:		Phone No.	
		Email Address:	
Project Location:			
Nature / Scope of Work:			
Contract Dollar Value:			
Date and Length of Project:			
Provide the Names of Project Staff:			

1.9 Key Personnel

Identify all key personnel and their alternates and their proposed position for this project:

<u>Personnel</u>	<u>Position Description</u>

1.10 Subcontractors

If the Respondent is utilizing a list of subcontractors, provide a breakdown of roles and responsibilities to be assigned to subcontractors. Include past experience with identified subcontractors.

Subcontractor Name:	
Roles and Responsibilities to Be Assigned:	
Past Project Experience with Subcontractor:	
Subcontractor Name:	
Roles and Responsibilities to Be Assigned:	
Past Project Experience with Subcontractor:	

1.11 Proposed Construction Methodology and Scheduling

Respondents must attach the proposed methodology (maximum two (2) pages) outlining the Respondent’s understanding of the project, key issues/challenges and overall approach to deal with the construction activities, as well as a proposed approach to mitigate risks identified. This should include but is not limited to:

- (a) Minimizing disruption to Lot Holders and campers;
- (b) Providing safe movement for workers, motorists, and pedestrians;
- (c) A Work Site management plan, including laydown areas, construction zones, and project phasing.

Additionally, Respondents are to attach a proposed project schedule that identifies the level of resources for each activity, with contingency, that meets the project schedule.

1.12 WCB Clearance Letter

Respondents are to attach a copy of their current WCB Clearance Letter.

1.13 Submission Requirements Checklist for Appendix C

In addition to the mandatory documents required in Section 2.2 Mandatory Requirements of this RFQ, the following documents are to be attached to the Respondent’s submission:

<u>Reference</u>	<u>Title</u>	<u>Attached</u>
Appendix C	Contractor Questionnaire (Completed)	<input type="checkbox"/>
Section 1.9	Resumés for Key Personnel	<input type="checkbox"/>
Section 1.11	Proposed Construction Methodology and Scheduling	<input type="checkbox"/>
Section 1.12	WCB Clearance Letter	<input type="checkbox"/>

APPENDIX D – PRICING FORM

1. Instructions on How to Complete Pricing Form

Rates shall be provided in Canadian funds, inclusive of all applicable duties and taxes except for Goods and Services Tax (GST), which should be itemized separately.

Rates quoted by the Respondent shall be all-inclusive and shall include all labour, equipment, and material costs, all travel and carriage costs, all insurance costs, all costs of delivery to the County, all costs of installation and set-up, including any pre-delivery inspection charges, and all other overhead, including any fees or other charges required by law.

Pricing will be evaluated on the total price provided.

2. Pricing Table

Request for Quotation No. LCA 1-2021

Item	Description	Estimated Quantity	Unit Price	Total Bid
General				
1	Mobilization (GCS 1.2.9)	1 lump sum	lump sum	\$ _____
Sunrise Beach Drive – STA 0+140 – STA 0+250				
2	Clearing (Special Provisions)	1 lump sum	lump sum	\$ _____
3	Roadway Work (Special Provisions)	1 lump sum	lump sum	\$ _____
Sunset Beach Drive – 1 – 600 mm Diameter CSP Culvert Via Open Cut				
4	Removal and Salvage of Existing Culvert (Special Provisions)	1 lump sum	lump sum	\$ _____
5	Culvert Installation (Special Provisions)	1 lump sum	lump sum	\$ _____
6	Roadway Work (Special Provisions)	1 lump sum	lump sum	\$ _____
7	Topsoil Placement and Sod (Special Provisions)	1 lump sum	lump sum	\$ _____
Cranberry Lane – 1 – 600 mm Diameter CSP Culvert Via Open Cut				
8	Removal and Salvage of Existing Culvert (Special Provisions)	1 lump sum	lump sum	\$ _____
9	Culvert Installation (Special Provisions)	1 lump sum	lump sum	\$ _____
10	Roadway Work (Special Provisions)	1 lump sum	lump sum	\$ _____

Lot 123/124 – 1 - 300 mm Diameter CSP Culvert Via Open Cut				
11	Culvert Installation (Special Provisions)	1 lump sum	lump sum	\$ _____
12	Topsoil Placement and Sod (Special Provisions)	1 lump sum	lump sum	\$ _____
SUBTOTAL				\$ _____
GST (5%)				\$ _____
TOTAL BID				\$ _____

**3. Price Amendment Form
Request for Quotation LCA 1-2021**

I, _____ of _____
(Name of Authorized Officer) (Name of Company)

the undersigned, modify our tender as shown in the following table.

Item No.	Description (List bid items that require change to unit price or lump sum)	Estimated Quantity ^(a)	Unit Price Changes ^(b) + or -	Net Change to Total Bid ^(c) + or -
Total Net Impact (+/-)				
SUBTOTAL:				
GST:				
INCREASE (+) OR REDUCE (-) TOTAL TENDER BY:				

- (a) For unit price or lump sum items, state the estimated quantity as it appears in the unit price schedule.
- (b) For lump sum items, leave "Unit Price Changes + or -" column blank.
- (c) For lump sum items, enter + or - the change amount in the "Net Change to Total Bid + or -".
- (d) If required, additional amendment items may be added or attached to this form.

Each Bidder shall ascertain before tender submission that it has obtained all addenda issued by the County and by signing the Tender Amendment Forms acknowledges that all issued addenda have been examined, read and considered in their bid.

We also acknowledge and agree that:

1. This change supersedes all previous changes, including those to other bid items. Previously submitted changes are all null and void.
2. We accept full responsibility for any lack of confidentiality arising from the use of this process.
3. Failure of these revisions to arrive on time, accurately or completely for any reason will render these revisions null and void.
4. Modify here the list of Addendum Number(s) received, if different from what was indicated on the originally submitted Tender Forms: _____, _____, _____, _____.

_____ being _____
 Signature Position in Company

of _____ dated _____
 Company Name Date

Send by email to viceprez@lakeislelutherancamp.com Marked "Attention Kraig Fischer" no later than 30 minutes prior to the time fixed for RFQ Closing.

SPECIAL PROVISIONS

1.0 SPECIAL PROVISIONS

1.1 STANDARD SPECIFICATIONS, SPECIFICATION AMENDMENTS AND TYPICAL SPECIFICATIONS

1.1.1 Department Name Change

Due to government reorganization, Alberta Transportation's name has changed in recent years. As a result, some specifications, drawings, plans and other documents in this RFQ may continue to reference Alberta Infrastructure and Transportation, Alberta Infrastructure, or Alberta Transportation and Utilities. Please be advised that all references to Alberta Infrastructure and Transportation, Alberta Infrastructure, or Alberta Transportation and Utilities shall mean Alberta Transportation.

1.1.2 Standard Specifications for Highway Construction and Bridge Construction Work

The specifications for highway and bridge construction Work, which shall form part of the Contract Agreement, are published in the following Alberta Transportation manuals:

- Standard Specifications for Highway Construction – Edition 16, 2019
- General Specifications, Specification Amendments and Supplemental Specifications for Highway and Bridge Construction – Edition 16, 2019

1.1.3 Contract Type

In accordance with the General Specifications Sections 1.2.39, Adjustment of Completion Dates; 1.2.40, Failure to Complete on Time; and 1.2.43, Seasonal or Prolonged Shutdown, this Contract will be considered a:

Roadway Contract

1.1.4 Additional Specifications and Typical Drawings

The following additional Specifications and typical drawings, which form part of the Contract, are available for viewing and/or download from the Department's website at the links shown below:

- Typical minimum requirements for erosion and sediment control devices:
<https://www.alberta.ca/geotechnical-and-erosion-control.aspx>
- All other typical plans and drawings are available at the following link:
<https://www.alberta.ca/cb-6-highway-standard-plates-active.aspx>

Hard-copy versions of select manuals are available for purchase from:

Alberta Transportation
Strategic Procurement Branch
Suite 303, 3rd Floor, Twin Atria Building
4999 – 98 Ave.
Edmonton, AB, T6B 2X3

Telephone: 780-415-1068

Proponents are advised that, from time to time, Alberta Transportation may issue revisions to existing drawings and/or may insert drawings into the above-mentioned manuals without reprinting hard-copy editions of the manual. These new and/or revised drawings will be available on Alberta Transportation's website.

SPECIAL PROVISIONS

Proponents are further advised that any drawing revisions and/or new drawings that are posted on the Department's website as of five (5) calendar days prior to the date set for receiving RFQs, will apply to this Project.

Any standard drawings that are not available on the Department's website will be included in the Contract documents.

1.2 SPECIFICATION AMENDMENTS

The Specification Amendments listed in the following table are contained in the manual entitled "General Specifications, Specification Amendments and Supplemental Specifications for Highway and Bridge Construction - Edition 16, 2019." Items that are marked with an "X" are applicable to this Contract; items that are not so marked do not apply. The Contractor is advised that the applicable Specification Amendments may contain modifications to the payment clauses for the Specifications amended.

X	AMENDMENTS TO SPECIFICATIONS	
	DESIGNATION	GENERAL DESCRIPTION
SECTION 1 – GENERAL SPECIFICATIONS		
	AMC_C125.2	Priority Line Painting for Site Occupancy
	AMC_C125.3	Non-Priority Line Painting for Site Occupancy
	AMC_S53.1	Construction Staking and Survey Majority by Contractor
	AMC_S53.2	Construction Staking and Survey Majority by Consultant
	AMC_S53.3	Construction Staking and Survey for Bridge Construction
	AMC_C230	Diesel Fuel Cost Adjustment
SECTION 3 – SURFACING		
	AMC_S116	Tolerances for Surface Finish
	AMC_S201	Acceptance Testing for Contracts with Small Quantities (less than 1000 tonnes) of Asphalt Concrete Pavement (ACP)
SECTION 5 - MATERIALS		
	AMC_S9.4	Supply of Aggregate – Contractor's Supply with Option
	AMC_S9.5	Supply of Aggregate – Contractor's Supply with No Option
	AMC_S9.6	Supply of Aggregate – Designated Source
	AMC_C218	Interim Payment for Supply of Materials
BRIDGE CONSTRUCTION SPECIFICATIONS		
X	AMC_B020	Site Offices for Bridge Structure Construction Not Required
X	AMC_B219	Course of Construction Insurance is Optional

1.3 CONSTRUCTION STAKING AND SURVEY FOR CONSTRUCTION

The Lutheran Camp Association (LCA) shall provide accurate horizontal and vertical reference points in the form of existing benchmarks, which the Contractor shall use for the layout and elevations for construction.

1.4 CONTRACT INFORMATION DOCUMENTS

Contract Information Documents, including but not limited to photo forms, miscellaneous documents, and reference drawings that may have been provided to the Contractor or made available to the

SPECIAL PROVISIONS

Contractor for viewing during the RFQ period, are not to be considered part of the RFQ documents or the Contract.

The Contractor is not entitled to rely upon the factual information or factual data in any Contract Information Document, nor any opinions or interpretations contained therein. Contract Information Documents are not to be considered accurate, complete or appropriate, and they are made available solely for the purpose of providing the Proponent with access to the information available to the LCA.

1.5 CONSULTANT & CONTACTS

The Consultant, as defined in Section 1.1.7, Consultant, of the General Specifications and Specification Amendments for Highway and Bridge Construction - Edition 16, 2019 shall be deleted in its entirety and does not apply to this Contract. The Contractor shall advise the LCA Drainage Committee directly of any matters related to this Contract. The LCA Drainage Committee Contacts are shown below:

KRAIG FISCHER, VICE PRESIDENT
EMAIL: VICEPREZ@LAKEISLELUTHERANCAMP.CA

TELEPHONE: 780-932-9790

1.5.1 Lutheran Camp Site Representative

The Contractor is advised that the Lutheran Camp Association has an onsite Caretaker which shall be the main point of contact in the field throughout construction. The caretaker shall be designated at the Lutheran Camp Site Representative. The Lutheran Camp Site Representative Contact information is given below:

DIRK WITTE, LCA CARETAKER
EMAIL: CAMP@LAKEISLELUTHERANCAMP.CA

TELEPHONE: 780-727-2477

1.6 CONSTRUCTION SCHEDULE

The Contractor shall be responsible to carry out all scheduling of the Work. The schedule shall conform to the time frames set out in the Contract. These time frames include but are not limited to the agreed-upon completion date, the interim completion date, and environmental restrictions.

The Contractor shall contact the LCA at least two weeks prior to the start of Work to apprise them of the construction schedule.

The Contractor is advised that no work shall occur during the LCA “peak camping season” which runs from June 30 to Labor Day long weekend of any given year. The Contractor is advised that work should work begin prior to June 30, that all work must be completed prior to June 30. If work begins after Labor Day long weekend, then work shall be completed prior to October 15, 2022. The Contractor is also advised of Section 2.1.6 of the Specifications Amendments and the Bonus with completing work prior to June 30.

1.7 SCOPE OF WORK

This RFQ includes Work at the following Sites:

Sunrise Beach Drive Road Upgrade – Work along this section of road includes the grade raise, reconstruction and gravel surfacing from stations 0+140 to 0+250, as shown on the Drawings. Without limiting the provisions of these Specifications and Contract, the Scope of Work at this Site shall include the following:

- Clearing & Ditching

SPECIAL PROVISIONS

- Roadway Work

Sunset Beach Drive Culvert Replacement – Work at this Site includes the removal and salvage of 1 – 300 mm diameter concrete culvert with an invert length of 30.3 m and replacement with 1 – 600 mm diameter CSP culvert with a 32.0 m invert length. Without limiting the provisions of these Specifications and Contract, the Scope of Work at this Site shall include the following:

- Removal and salvage of the existing culvert
- Excavation
- CSP Supply and Installation
- Landscaping
- Roadway Work, including ditching to restore positive drainage
- Supply and installation of Class 1M rock riprap

Cranberry Lane Culvert Replacement – Work at this Site includes the removal and salvage of 1 – 300 mm diameter concrete culvert with an invert length of 10.3 m and replacement with 1 – 600 mm diameter CSP culvert with an 11.0 m invert length. Without limiting the provisions of these Specifications and Contract, the Scope of Work at this Site shall include the following:

- Removal and salvage of the existing culvert
- Excavation
- CSP Supply and Installation
- Roadway Work, including ditching to restore positive drainage
- Supply and installation of Class 1M rock riprap

Lot 123/124 Culvert Installation – Work at this Site includes the installation of 1 – 300 mm diameter CSP culvert with a 23.0 m invert length. Without limiting the provisions of these Specifications and Contract, the Scope of Work at this Site shall include the following:

- Excavation
- CSP Supply and Installation
- Backfill
- Landscaping

Warranty for all Work completed under this RFQ shall be for a period of TWO (2) YEARS following construction completion.

Each Proponent, in submitting a RFQ, acknowledges that he has examined the Sites and the surrounding area and is familiar with all conditions and/or restrictions that could affect or limit his operations due to such things as environmental constraints, public traffic and property of others.

Unless otherwise specified, the Contractor must supply all materials necessary to complete the Work. A complete job is called for, therefore any labour, material, equipment, tool or incidental item not specifically mentioned but necessary for completeness will be considered incidental to the Work, and no separate or additional payment will be made.

1.8 ENVIRONMENTAL MANAGEMENT

1.8.1 General

The Contractor's attention is drawn to Section 1.2.16, "Environmental Management" of General Specifications, Specification Amendments and Supplemental Specifications for Highway and Bridge Construction.

SPECIAL PROVISIONS

The Contractor shall ensure effective implementation of his Environmental Construction Operation's Plan (ECO Plan) by assigning responsibilities, incorporating procedures, training of staff and subcontractors, and regular reporting at staff meetings. On a daily basis, the Contractor shall inspect and record the condition of all environmental measures proposed in his ECO Plan and these records shall be forwarded to the LCA on a weekly basis. Any deficiencies shall be rectified as they are discovered.

The Contractor's ECO Plan shall include a proposed method of meeting the conditions of the de-watering, silt and ice removal (when required), storm run-off management, accidents, malfunctions, effect of variation in schedule and monitoring.

The Contractor shall submit the ECO Plan to the LCA at least fourteen (14) calendar days prior to the pre-construction meeting.

Should Site conditions change and the Contractor foresee difficulties in meeting the RFQ special provisions and conditions of their ECO Plan or an event occurs that breaches these conditions, it is the Contractor's responsibility to inform the LCA as soon as possible and to react to be in compliance.

The Contractor is advised that no deleterious substances (including but not limited to sediment, debris, petroleum products, etc.) shall be allowed to enter the watercourse or any other body of water, whether flowing or static. Refueling and hazardous material storage areas shall be at a minimum of 10 m from any waterbody and vegetation clearing should be avoided and minimized as much as possible.

Following construction, any disturbed areas shall be re-contoured, top-soiled and seeded. Erosion and sediment control (ESC) devices shall remain in place until the vegetation has been fully established. The inclusion of permanent erosion control measures in this RFQ does not in any way relieve the Contractor of his responsibilities under General Specification 1.2.16.

All costs associated with adhering to the requirements of the applicable environmental regulations, including, but not limited to, control measures, scheduling constraints and re-planting and re-seeding of disturbed areas, will be considered incidental to the Work, and no separate or additional payment will be made.

1.8.2 Control of Equipment

The Contractor shall carefully control all equipment and Work operations so that their operations do not extend beyond the designated working limits unless otherwise specifically authorized by the LCA Drainage Committee.

1.8.3 Burning

Burning will not be permitted under this Contract. The Contractor is advised that any material to be discarded shall be disposed of at his own storage or disposal site as accepted by the LCA.

1.8.4 Control of Weeds and Pests

The Contractor shall ensure all equipment, vehicles, tools and other items are clean of soil, aquatic organisms and plant matter (especially seed heads) prior to entering and leaving the Site.

The Contractor shall include a proposed procedure for weed and pest control as part of the ECO Plan. The Contractor's equipment, vehicles, materials or personnel will not be permitted to enter the Site prior to acceptance of the Contractor's procedure for weed and pest control.

SPECIAL PROVISIONS

All costs associated with weed and pest control will be considered incidental to the Work, and no separate or additional payment will be made.

1.8.5 Decontamination of Construction Equipment Used within the Bed or Banks of Waterbodies

Whirling disease is a fish disease that affects the salmonid family of fish, which include trout and mountain whitefish. The disease is caused by a parasite that affects the cartilage of the fish head, spine and gills. A marked "whirling" swimming behaviour may be observed in fish as the parasite invades cartilage and impairs the nervous system. While not harmful to humans, whirling disease can cause high levels of mortality to fish. The disease can be transmitted from infected locations to other waterbodies by the movement of infected water or sediment on gear, equipment, watercraft or vehicles.

LCA is committed to preventing the spread of whirling disease beyond the infected watersheds. In addition to whirling disease, this process will minimize the spread of other fish diseases and aquatic invasive species, such as zebra mussels.

The Contractor shall comply with the following requirements:

1. The Contractor shall ensure that machinery arrives on Site in a clean condition and is free of invasive aquatic species (e.g., *Myxobolus cerebralis* – whirling disease) and dirt, Noxious Weeds or Prohibited Noxious weeds.
2. The Contractor's ECO Plan shall address Alberta Environment and Parks' (AEP) Decontamination Protocol for Work in or Near Water (the Decontamination Protocol) in order to meet regulatory approval conditions. The protocol can be found at the following website: <https://www.alberta.ca/stop-whirling-disease.aspx>.
3. For construction equipment, the Contractor shall follow the Decontamination Protocol including "Appendix D: Decontamination Instructions for Industrial and Construction Operations."
4. The Contractor shall follow the Decontamination Protocol at the Stop the Spread of Whirling Disease website (<https://www.alberta.ca/stop-whirling-disease.aspx>) that is applicable to all other non-construction related equipment (i.e., personal gear, turbidity monitoring equipment, etc.) with respect to the AEP Risk Zone the Project is occurring within.
5. The Contractor shall document and track their decontamination efforts by completing the decontamination record template found in the Decontamination Protocol (Appendix I: Decontamination Record Template) and make the records available to the LCA Drainage Committee upon request.

All costs associated with complying with decontamination protocols and reporting will be considered incidental to the Work, and no separate or additional payment will be made.

1.8.6 Control of Clubroot

1.8.6.1. General

Clubroot, caused by *Plasmodiophora brassicae*, is a serious disease of cruciferous crops (i.e., mustards, canola, etc.) that can result in reduced to severe yield losses. Clubroot was declared a pest under Alberta's Agricultural Pests Act in April 2007. Enforcement of the Act is the responsibility of the Agricultural Service Board located in each municipality.

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The Contractor shall carry out his operations in accordance with the following provisions and the Best Management Practices outlined in the Alberta Clubroot Management Plan which is available online at the following location:

[http://www1.agric.gov.ab.ca/\\$Department/deptdocs.nsf/all/agdex11519](http://www1.agric.gov.ab.ca/$Department/deptdocs.nsf/all/agdex11519)

1.8.6.2. ECO Plan Requirements

As part of the ECO Plan, the Contractor shall detail his proposed Clubroot control measures for Soil Disturbance Work at any location involving Clubroot-infected soils.

Details shall include proposed equipment cleaning procedures as well as any control measures recommended by the County's Agricultural Fieldman.

Soil Disturbance Work shall not commence until the Contractor's ECO Plan has been reviewed and accepted by the LCA Drainage Committee.

All costs associated with the implementation of Clubroot control measures, including those required by the applicable Agricultural Service Board, will be considered incidental to the Work and no separate or additional payment will be made.

1.9 EXISTING RIGHT-OF-WAY AND ADDITIONAL EASEMENTS

The Contractor is advised that unless otherwise approved by the adjacent landowners, all Work must occur within Camp Koinonia.

1.10 WORK IN THE VICINITY OF UTILITIES

The Contractor's attention is drawn to Section 1.2.15, "Safeguarding Utility and Railway Installations" of the General Specifications for Highway and Bridge Construction.

The Contractor shall arrange for locating all utilities. The Contractor shall familiarize himself with the As-built Drawings supplied as part of the RFP document in regards to the known utilities in the area. While it is not anticipated that any adjustments to utilities will be necessary, the Contractor shall keep the LCA Drainage Committee informed of any conflicts or perceived conflicts in the design. Adjustments to the design may be necessary if a utility conflict arises. No separate or additional payment will be made with regards to the modified design working around utilities.

Work in the vicinity of utilities will be considered incidental to the Work and no separate or additional payment will be made.

Additional specific requirements for Work in the vicinity of utilities and coordination with the owners and/or operators are listed under the particular utility. The known utilities and their representatives are as follows:

SPECIAL PROVISIONS

1.10.1 Sunrise Beach Drive Road Upgrades

1.10.1.1. Ste. Anne Natural Gas Co-op Ltd.

Ste. Anne Natural Gas Co-op has an underground line running along the length of the roadway upgrades. The LCA is in the process of obtaining a proximity agreement. The Contractor is responsible for notifying Ste. Anne Natural Gas Co-op of Work near the vicinity of the line prior to construction. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground natural gas utility.

1.10.1.2. LCA-Owned Underground Power Lines

The Contractor is advised that the LCA recently completed an upgrade to the power system inside Camp Koinonia. As-built Drawings have been provided for the Contractor's convenience. The Contractor shall not rely on these Drawings as being factual, however, but as a means of notification of utility in the area. The Contractor may be required to hand excavate or hydro vac the existing lines to maintain safe working offsets. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground power utility.

1.10.1.3. Telephone Facilities

Telus Communications Inc. (Telus) has a buried telephone cable along the north ditch. The exact location of the Telus line is unknown. Due to the required excavation for the Project, this line may need to be exposed. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground natural gas utility.

1.10.2 Sunset Beach Drive Culvert Replacement

1.10.2.1. Overhead Power Line and Guy Wire

Fortis Alberta has an overhead transmission line along the west side of the roadway. No relocation is required to facilitate the work. The Contractor is responsible for notifying Fortis of Work near the vicinity of the line prior to construction. The Contractor is advised that a site orientation may be required by Fortis.

1.10.2.2. LCA-Owned Underground Power Lines

The Contractor is advised that the LCA recently completed an upgrade to the power system inside Camp Koinonia. As-built Drawings have been provided for the Contractor's convenience. The Contractor shall not rely on these Drawings as being factual, however, but as a means of notification of utility in the area. The Contractor may be required to hand excavate or hydro vac the existing lines to maintain safe working offsets. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground power utility.

1.10.2.3. Fortis-Owned Underground Power Lines

Fortis Alberta has an underground power line running from the power pole and across the roadway and under the ditch as shown in the Drawings. No relocation is required to facilitate the Work. The Contractor is responsible for notifying Fortis of Work near the vicinity of the line prior to construction. The Contractor is advised that a site orientation may be required by Fortis. As-built Drawings have been provided for the Contractor's convenience. The Contractor shall not rely on these Drawings as being factual, however, but as a means of notification of utility in the area. The Contractor may be required to hand excavate or hydro vac the existing lines to maintain safe working offsets. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity

SPECIAL PROVISIONS

of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground power utility.

1.10.3 Cranberry Lane Culvert Replacement

1.10.3.1. Ste. Anne Natural Gas Co-op Ltd.

Ste. Anne Natural Gas Co-op has an underground line running along the length of the roadway upgrades. The Contractors attention is drawn to the location on the Drawings. The LCA is in the process of obtaining a proximity agreement. The Contractor is responsible for notifying Ste. Anne Natural Gas Co-op of Work near the vicinity of the line prior to construction. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground natural gas utility.

1.10.3.2. LCA-Owned Underground Power Lines

The Contractor is advised that the LCA recently completed an upgrade to the power system inside Camp Koinonia. As-built Drawings have been provided for the Contractors convenience. The Contractor shall not rely on these Drawings as being factual, however as a means of notification of utility in the area. The Contractor may be required to hand excavate or hydro vac the existing lines to maintain safe working offsets. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground power utility.

1.10.3.3. Fortis-Owned Underground Power Lines

Fortis Alberta has an underground power line running along the west side of the roadway and across the roadway as shown in the Drawings. No relocation is required to facilitate the Work. The Contractor is responsible for notifying Fortis of Work near the vicinity of the line prior to construction. The Contractor is advised that a site orientation may be required by Fortis. As-built Drawings have been provided for the Contractor's convenience. The Contractor shall not rely on these Drawings as being factual, however, but as a means of notification of utility in the area. The Contractor may be required to hand excavate or hydro vac the existing lines to maintain safe working offsets. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground power utility.

1.10.4 Lot 123/124 Culvert Installation

1.10.4.1. LCA-Owned Underground Power Lines

The Contractor is advised that the LCA recently completed an upgrade to the power system inside Camp Koinonia. As-built Drawings have been provided for the Contractor's convenience. The Contractor shall not rely on these Drawings as being factual, however, but as a means of notification of utility in the area. The Contractor may be required to hand excavate or hydro vac the existing lines to maintain safe working offsets. No relocation is anticipated for the Work; however, due care will be required while working in the vicinity of the facility. Modifications may be required to the design in order to maintain safe working distances from the underground power utility.

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1.11 SUNRISE BEACH DRIVE ROAD UPGRADES

1.11.1 Traffic Accommodation

Notwithstanding the provisions of this RFQ, the Contractor shall perform this portion of Work with as minimal disruption to the LCA members and campers as possible.

The Contractor shall keep the LCA informed of the construction schedule. Road closures shall be coordinated with the LCA Site Representative, and the Contractor will advise the LCA Site Representative a minimum of two (2) weeks prior to starting construction so that LCA members and campers can be advised of the road closures.

The Contractor will be permitted to close the road as necessary. Detours around the construction Site will be using the local road network within Camp Koinonia.

The LCA will maintain the detour roadways.

'Traffic Accommodation' will be considered incidental to the Work, and no separate or additional payment will be made.

1.11.2 Clearing & Ditching

The Contractor shall clear, brush, and remove trees, stumps, logs and roots along the north side of Sunrise Beach Drive as shown on the Drawings, as necessary to construct the new ditch line, and according to the applicable sections of the Standard Specifications for Highway Construction. The Contractor's attention is drawn to the ditch bottom width and side slopes as shown on the Drawings. Large trees from clearing may be salvaged and stored inside Camp Koinonia. The Contractor shall confirm with the LCA Site Representative the location of the salvaged trees. Any trees or debris not salvaged inside Camp Koinonia (wood for burning) shall be removed from Site and disposed of at a location of the Contractor's choice. Evidence and acceptance of disposal cleanup is required before full compensation for "Clearing" will be made.

1.11.2.1. Payment

Payment for "Clearing" will be made on the basis of the lump sum price bid, and will be full compensation for all clearing, disposal of debris, and all labour, equipment, tools and incidentals necessary to complete the Work to the satisfaction of the LCA.

Cutting and removing grain, grass, weeds, brush and shrubs from within areas to be cleared will be considered incidental to the Work, and no separate or additional payment will be made.

1.11.3 Roadway Work

For the purposes of this Contract, Roadway Work includes the Work required to construct the road embankment as shown on the Drawings. Roadway Work shall be completed in accordance with the applicable sections of the Standard Specifications for Highway Construction, the Drawings, and the provisions contained herein.

1.11.3.1. General

Roadway Work shall include but is not limited to the following:

- Removal, stockpiling and replacement of the topsoil from the road embankment side slopes.
- Clearing as required to accommodate construction.
- Roadway embankment construction to construct the road embankment and side slopes as shown on the Drawings.

SPECIAL PROVISIONS

- Supply and placement of Contractor-supplied borrow.
- Supply and placement of a crushed gravel surface (75 mm thickness of Des. 4, Class 20 granular material) in accordance with Sections 3.2 and 3.3 of the Standard Specifications for Highway Construction. Gravel is to be placed in two lifts and shall extend to the limits disturbed by construction, as shown on the Drawings and to the satisfaction of the LCA.
- Ditching to restore the existing drainage pattern as shown on the Drawings and as determined in the field by the LCA Site Representative.
- Trimming of all roadway side slopes and disturbed areas.
- Replacement of topsoil and seeding.
- Approach construction to provide seamless transition from the new roadway surface to the existing lots.

The Contractor shall place the gravel surfacing to the finished roadway elevations as shown on the Drawings.

The Contractor shall be responsible for identifying proposed borrow sources and obtaining all right-of-way easements or permits required to access the borrow area. The Contractor shall ensure that the location of the borrow pit satisfies all County bylaws and other applicable legislation. Following completion of the Work, the Contractor shall reclaim the borrow area in accordance with Section 2 of the Specifications for Highway Construction.

1.11.3.2. Subgrade Preparation and Exposed Surface Preparation

For clarification regarding Specification 2.3.4.7, Constructing Roadways of the Standard Specifications for Highway Construction, the Contractor is advised that Specification 2.3.4.7.3.2, Embankment Placed on Existing Road, shall apply to all portions of the embankment construction.

The Contractor is advised that the upper 300 mm of subgrade shall be compacted to a minimum of 100% of standard Proctor density at optimum moisture content.

1.11.3.3. Borrow Excavation – Contractor Supplied

The Contractor shall arrange for and supply all borrow material from sources of his own choice in order to raise the grade of the road along Sunrise Beach Drive, as shown on the Drawings. Borrow excavation shall be complete in accordance with Specification 2.3.4.6, Borrow Excavation, of the Standard Specifications for Highway Construction.

The Contractor shall retain the responsibility of ensuring the material type and quantity is satisfactory to meet contract requirements. Borrow locations and sources must be approved by the LCA prior to construction.

The LCA, in its sole discretion, reserves the right to reject and potential borrow sources that are deemed unsuitable by the LCA.

1.11.3.4. Biaxial Geogrid – Supply and Install

The Contractor shall supply and install biaxial geogrid material for the entire length of the roadway upgrades, as shown on the Drawings. This Work shall be completed in accordance with manufacturer's recommendations and to the satisfaction of the LCA. Supplied geogrid shall be indicated as a Proven Product on Alberta Transportation's Product List, which is available on Alberta Transportation's website.

1.11.3.5. Gravel Surfacing

The Contractor shall supply and place a crushed gravel surface (75 mm thickness of Des. 4 Class 20) in accordance with Section 3.3 of the Standard Specifications for Highway Construction. Gravel is to be placed in two lifts and shall extend to the limits disturbed by construction, as shown on the Drawings and to the satisfaction of the LCA Drainage Committee.

SPECIAL PROVISIONS

1.11.4 Payment

Payment for “**Roadway Work**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work.

1.12 SUNSET BEACH DRIVE CULVERT REPLACEMENT

1.12.1 Traffic Accommodation

Notwithstanding the provisions of this RFQ, the Contractor shall perform this portion of Work with as minimal disruption to the LCA members as possible. **The Contractor will not be permitted to close both Sunset Beach Drive and Cranberry Lane at the same time, in order to maintain access for LCA members and campers.**

The Contractor shall keep the LCA informed of the construction schedule. Road closures shall be coordinated with the LCA, and the Contractor will advise the LCA a minimum of two (2) weeks prior to starting construction so that LCA members and campers can be advised of the road closures.

The Contractor will be permitted to close the road as necessary. Detours around the construction Site will be using the local road network within Camp Koinonia.

The LCA will maintain the detour roadways.

‘Traffic Accommodation’ will be considered incidental to the Work, and no separate or additional payment will be made.

1.12.2 Removal and Salvage of Existing Culvert

The Contractor shall remove and salvage the existing structure. All culvert materials shall be salvaged and stored at Camp Koinonia in a manner acceptable to the LCA. Acceptance of the stored location is required before full payment for “Removal and Salvage of Existing Culvert” will be made.

The existing structure consists of a 300 mm concrete culvert with invert length 30.2 m.

1.12.3 Geotechnical Considerations and Excavation

The Contractor is advised of the presence of saturated fill and high water table within the road embankment and along the length of the culvert installation. The Contractor shall operate with due care in the vicinity of the existing culvert. The contractor shall maintain a dry excavation before placing backfill material.

1.12.4 Culvert Installation

This Work shall include the installation of 1 - 600 mm x 32 m round CSP culvert, in accordance with the applicable sections of the Standard Specifications for Highway Construction, Standard Drawings CB6-2.4M1, CB6-2.4M7, CB6-2.5M1, as shown on the Drawings, and as determined in the field by the LCA Site Representative.

1.12.4.1. General

Culvert Installation Work shall include but is not limited to the following:

- Removal, stockpiling and replacement of the topsoil from the road embankment side slopes.
- All excavation required to reach the sub cut elevation shown on the Drawings.
- Supply and installation of a 600 x 32m mm dia. CSP culvert.

SPECIAL PROVISIONS

- Supply and placement of Des. 2 cl. 20 granular material for the installation of the culvert bedding and haunching.
- Supply and installation of Class 1M rock riprap at the inverts as shown on the standard Drawings.
- Embankment construction to restore the approach embankment as shown on the Drawings.
- Ditching to restore the existing drainage pattern as shown on the Drawings and as determined in the field by the LCA representative.
- Trimming of all roadway side slopes and disturbed areas.

1.12.4.2. Payment

Payment for “**Culvert Installation**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work. A complete job is called for, therefore any particular not specifically listed to complete the Work will be considered incidental to the Work, and no separate or additional payment will be made.

1.12.5 Roadway Work

For the purposes of this Contract, Roadway Work includes the Work required to construct the road embankment as shown on the Drawings and to complete the culvert installation. Roadway Work shall be completed in accordance with the applicable sections of the Standard Specifications for Highway Construction, the Drawings, the provisions contained herein.

1.12.5.1. General

Roadway Work shall include, but is not limited to the following:

- Removal, stockpiling and replacement of the topsoil from the road embankment side slopes.
- Clearing as required to accommodate construction.
- Common excavation or excavation above the design streambed to the existing ground and backfill of material outside the design backfill envelope as specified on the Drawings.
- Roadway embankment construction to construct the road embankment and side slopes as shown on the Drawings.
- Supply and placement of Contractor-supplied borrow.
- Supply and placement of a crushed gravel surface (75 mm thickness of Des. 4, Class 20 granular material) in accordance with Sections 3.2 and 3.3 of the Standard Specifications for Highway Construction. Gravel is to be placed in two lifts and shall extend to the limits disturbed by construction, as shown on the Drawings and to the satisfaction of the LCA Drainage Committee.
- Ditching to restore the existing drainage pattern as shown on the Drawings and as determined in the field by the LCA representative.
- Trimming of all roadway side slopes and disturbed areas.
- Replacement of topsoil and seeding.

The Contractor shall place the gravel surfacing to the finished roadway elevations as shown on the Drawings.

1.12.5.2. Payment

Payment for “**Roadway Work**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work.

SPECIAL PROVISIONS

1.12.6 Topsoil Placement and Sod

The Work shall be performed in accordance with Section 2.20 of the Standard Specifications for Highway Construction. After trimming, the disturbed areas shall be covered with a 50 mm layer of topsoil and finished with sod. Sod supplied by the Contractor shall be certified free of all prohibited noxious weeds and noxious weeds, including Scentless Chamomile and Downy Brome, as per the Weed Control Act of Alberta.

1.12.6.1. Payment

Payment for “**Topsoil Placement and Sod**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work.

1.13 CRANBERRY LANE CULVERT REPLACEMENT

1.13.1 Traffic Accommodation

Notwithstanding the provisions of this RFQ, the Contractor shall perform this portion of Work with as minimal disruption to the LCA members as possible. **The Contractor will not be permitted to close both Sunset Beach Drive and Cranberry Lane at the same time, in order to maintain access for LCA members and campers.**

The Contractor shall keep the LCA informed of the construction schedule. Road closures shall be coordinated with the LCA, and the Contractor will advise the LCA a minimum of two (2) weeks prior to starting construction so that LCA members and campers can be advised of the road closures.

The Contractor will be permitted to close the road as necessary. Detour around the construction Site will be using the local road network within Camp Koinonia.

The LCA will maintain the detour roadways.

‘Traffic Accommodation’ will be considered incidental to the Work, and no separate or additional payment will be made.

1.13.2 Geotechnical Considerations and Excavation

The Contractor is advised of the presence of saturated fill and high water table within the road embankment and along the length of the culvert installation. The Contractor shall operate with due care in the vicinity of the existing culvert. The contractor shall maintain a dry excavation before placing backfill material.

1.13.3 Removal and Salvage of Existing Culvert

The Contractor shall remove and salvage the existing structure. All culvert materials shall be salvaged and stored at Camp Koinonia in a manner acceptable to the LCA. Acceptance of the stored location is required before full payment for “Removal and Salvage of Existing Culvert” will be made.

The existing structure consists of a 300 mm concrete culvert with invert length 10.2 m.

1.13.4 Culvert Installation

This Work shall include the installation of a 600 mm x 11 m round CSP culvert, in accordance with the applicable sections of the Standard Specifications for Highway Construction, Standard Drawings CB6-2.4M1, CB6-2.4M7, CB6-2.5M1, as shown on the Drawings, and as determined in the field by the LCA representative.

SPECIAL PROVISIONS

1.13.4.1. General

Culvert Installation Work shall include but is not limited to the following:

- Removal, stockpiling and replacement of the topsoil from the road embankment side slopes.
- All excavation required to reach the sub cut elevation shown on the Drawings.
- Supply and installation of a 600 mm dia. CSP culvert.
- Supply and placement of Des. 2 cl. 20 granular material for the installation of the culvert bedding and haunching.
- Supply and installation of Class 1M rock riprap at the inverts as shown on the standard Drawings.
- Embankment construction to restore the approach embankment as shown on the Drawings.
- Ditching to restore the existing drainage pattern as shown on the Drawings and as determined in the field by the LCA representative.
- Trimming of all roadway side slopes and disturbed areas.

1.13.4.2. Payment

Payment for “**Culvert Installation**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work. A complete job is called for, therefore any particular not specifically listed to complete the Work will be considered incidental to the Work, and no separate or additional payment will be made.

1.13.5 Roadway Work

For the purposes of this Contract, Roadway Work includes the Work required to construct the road embankment as shown on the Drawings and to complete the culvert installation. Roadway Work shall be completed in accordance with the applicable sections of the Standard Specifications for Highway Construction, the Drawings, and the provisions contained herein.

1.13.5.1. General

Roadway Work shall include but is not limited to the following:

- Removal, stockpiling and replacement of the topsoil from the road embankment side slopes.
- Clearing as required to accommodate construction.
- Common excavation or excavation above the design streambed to the existing ground and backfill of material outside the design backfill envelope as specified on the Drawings.
- Roadway embankment construction to construct the road embankment and side slopes as shown on the Drawings.
- Supply and placement of Contractor-supplied borrow.
- Supply and placement of a crushed gravel surface (75 mm thickness of Des. 4, Class 20 granular material) in accordance with Sections 3.2 and 3.3 of the Standard Specifications for Highway Construction. Gravel is to be placed in two lifts and shall extend to the limits disturbed by construction, as shown on the Drawings and to the satisfaction of the LCA Drainage Committee.
- Ditching to restore the existing drainage pattern as shown on the Drawings and as determined in the field by the LCA representative.
- Trimming of all roadway side slopes and disturbed areas.
- Replacement of topsoil and seeding.

The Contractor shall place the gravel surfacing to the finished roadway elevations as shown on the Drawings.

SPECIAL PROVISIONS

1.13.5.2. Ditching

The Contractor shall construct a ditch and swale along the Cranberry Lane as shown on the Drawings, and to the satisfaction of the LCA Drainage Committee. The Contractor shall ensure positive drainage to newly installed culverts. Construction of the ditch and swale shall in no way impede the access to any LCA members' lots.

1.13.5.3. Topsoil Placement and Seeding

The Work shall be performed in accordance with Section 2.20 of the Standard Specifications for Highway Construction. After trimming, the disturbed areas shall be covered with a 50 mm layer of topsoil and seeded. Seed mix supplied by the Contractor shall be certified free of all prohibited noxious weeds and noxious weeds, including Scentless Chamomile and Downy Brome, as per the Weed Control Act of Alberta.

The grass seed mix shall be confirmed with the LCA prior to ordering and placing the seed. The seed mix shall be applied at a rate of 110 kg/ha by broadcast seeding. Fertilizer is not required for this Project.

Topsoiling and seeding is considered incidental to "Roadway Work."

1.13.5.4. Payment

Payment for "**Roadway Work**" will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work.

1.14 LOT 123/124 CULVERT INSTALLATION

1.14.1 Communication with Lot Holder

The Contractor shall contact the Lot Holder a minimum two (2) weeks prior to construction to advise of the construction schedule. The Contractor will be required to maintain access for the Lot Holder throughout the duration of construction. Any damage to the Lot Holder's property will be at the Contractor's expense, and no separate or additional payment will be made.

1.14.2 Geotechnical Consideration, Excavation, Proximity to Existing Property

The Contractor is advised of the presence of saturated fill and high water table along the length of the culvert installation. The Contractor shall operate with due care in the vicinity of the existing culvert. The contractor shall maintain a dry excavation before placing backfill material.

The Contractor is advised that the installation of the culvert at this location is in close proximity to existing footings of a Cabin located on lot 124. The Contractor shall take due care while operating near the existing footings. The Contractor shall notify the LCA representative and the Lot Holder immediately if any movement or settlement of the existing footings occurs. The Contractor will be required to reset the footings if any settlement or movement occurs.

1.14.3 Culvert Installation

This Work shall include the installation of 1 - 300 mm x 23 m round CSP culvert, complete with a 90-degree elbow and drainage grate as shown on the Drawings, in accordance with the applicable sections of the Standard Specifications for Highway Construction, Standard Drawings CB6-2.4M1, CB6-2.4M7, CB6-2.5M1, and as determined in the field by the LCA representative.

1.14.3.1. General

Culvert Installation Work shall include but is not limited to the following:

SPECIAL PROVISIONS

- Removal, stockpiling and replacement of the topsoil from the existing swale.
- All excavation required to reach the sub cut elevation shown on the Drawings.
- Supply and installation of a 300 mm dia. CSP culvert.
- Supply and placement of Des. 2 cl. 20 granular material for the installation of the culvert bedding and haunching.
- Supply and installation of a 90-degree elbow complete with storm drain as shown on the Drawings.
- Embankment construction to restore the existing contours and provide positive drainage to the south of lots 123/124.
- Ditching to restore the existing drainage pattern as shown on the Drawings and as determined in the field by the LCA representative.
- Trimming of all roadway side slopes and disturbed areas.

1.14.3.2. Payment

Payment for “**Culvert Installation**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work. A complete job is called for, therefore any particular not specifically listed to complete the Work will be considered incidental to the Work, and no separate or additional payment will be made.

1.14.4 Topsoil Placement and Sod

The Work shall be performed in accordance with Section 2.20 of the Standard Specifications for Highway Construction. After trimming, the disturbed areas shall be covered with a 50 mm layer of topsoil and finished with sod. Sod supplied by the Contractor shall be certified free of all prohibited noxious weeds and noxious weeds, including Scentless Chamomile and Downy Brome, as per the Weed Control Act of Alberta.

1.14.4.1. Payment

Payment for “**Topsoil Placement and Sod**” will be made on the basis of the lump sum price bid for this Work, which shall include full compensation for the cost of furnishing all labour, equipment, materials, tools and incidentals to complete the Work.

1.15 TESTING OF MATERIAL & BACKFILL

Quality control testing shall be the responsibility of the Contractor for all applicably noted sections of the Standard Specifications for Highway Construction. The Contractor shall use professional engineering services and a qualified third-party testing laboratory licensed to practice in the Province of Alberta to ensure the end product meets all specification requirements. The Contractor shall be responsible for costs associated to carry out the appropriate testing to confirm specification requirements when requested by the LCA.

All backfill material, whether granular or non-granular, shall be placed, spread, and bladed smooth in successive layers not to exceed 150 mm when compacted to the full width of the cross section. Compaction to a minimum of 98% of standard Proctor dry density at optimum moisture content. Backfill is to be placed in elevations of the compacted layers on opposite sides of the culvert and shall not exceed 150 mm between each side.

1.15.1 Payment

The Contractor shall be responsible for additional testing if density requirements are not being achieved.

SPECIAL PROVISIONS

All quality control testing shall be considered incidental to the Work, and no separate or additional payment will be made.

1.16 SITE CLEANUP – ALL SITES

The Work shall be completed in accordance with the Drawings, the provisions contained herein, and as directed by the LCA Site Representative and LCA Drainage Committee.

At the completion of the Roadway upgrades and culvert installation operations, the Contractor shall restore all disturbed areas to a condition comparable to that which existed prior to the commencement of the Work.

Restoration shall include grading and contouring disturbed areas to lines matching the surrounding ground, followed by topsoiling and harrowing. This Work shall be carried out to the satisfaction of the LCA.

Site cleanup will be considered incidental to the Work, and no separate or additional payment will be made.

SPECIAL PROVISIONS

2.0 SPECIFICATION AMENDMENTS

2.1 MODIFICATIONS TO THE GENERAL SPECIFICATIONS

2.1.1 Changes to Definitions

The following changes to Specification 1.1, Definitions shall apply:

- Replace the word "Department" with the word "Owner"
- Replace the word "Minister" with the word "Owner"

For the purposes of this Contract, the Owner shall be defined as LCA and does not include a Consultant.

2.1.2 Force Majeure

- i) The definition of Section 1.1.13, FORCE MAJEURE EVENT, is replaced in its entirety with the following:

"Force Majeure Event" means any war, invasion, insurrection, armed conflict, act of foreign enemy, revolution, terrorist act, interference by military authorities, nuclear explosion, contamination by ionizing radiation, epidemic, pandemic including Covid-19, or quarantine restriction that prevents, delays or interrupts the performance of any obligation under this Contract, other than any obligation to pay any money, and provided such event does not occur by reason of:

- i) *The negligence of the party relying on the Force Majeure Event (or those for whom it is in law responsible); or*
 - ii) *Any act or omission of the party relying on the Force Majeure Event (or those for whom it is in law responsible) that is in breach of the Contract."*
- ii) Section 1.2.39.2, Force Majeure Delay, is deleted.
- iii) The following is inserted in Section 1.2, GENERAL SPECIFICATIONS:

"1.2.58 FORCE MAJEURE EVENT If a Force Majeure Event occurs then notwithstanding any other provision of the Contract:

- i) *To the extent that and for so long as either party is prevented by the Force Majeure Event from performing any obligation under the Contract, that party is relieved from liability due to its inability to perform or delay in performing that obligation; and*
- ii) *If the Force Majeure Event wholly or substantially prevents the Contractor from proceeding with the Work then the specified or adjusted interim completion date or Construction Completion date as applicable shall be adjusted for the period of the Force Majeure Event."*

SPECIAL PROVISIONS

Upon either party becoming aware of the occurrence of a Force Majeure Event that prevents that party from performing any obligation under the Contract, that party shall in a timely manner give the other party notice of the Force Majeure Event, including reasonable details of the anticipated effects on performance of the Contract, and thereafter the Contractor shall, on an ongoing basis, notify the Department of its plans for remedying or mitigating the effects of the Force Majeure Event.

If the Contractor anticipates that the Force Majeure Event will delay completion of the applicable Work by the specified interim completion date or Construction Completion date as applicable, but is of the opinion the delay can be avoided or mitigated through extraordinary measures, the Contractor may propose to the Department that such extraordinary measures be taken by the Contractor at the Department's expense."

2.1.3 Insurance

Delete the first paragraph of Section 1.2.4 (i), "Insurance", and replace with the following:

"General Liability Insurance in an amount not less than two million dollars (\$2,000,000) inclusive per occurrence, insuring against bodily injury, personal injury and property damage including loss of use thereof. To achieve the desired limit, primary insurance and umbrella or excess liability insurance may be used. If this requirement is satisfied with a General Liability Wrap-up insurance policy, the Department must be a named insured on the policy and other insureds must include all subcontractors, consultants and subconsultants involved in the Work, whether named or unnamed in the policy. The Department as a Named insured under the Wrap-up Liability insurance policy must have the right to make a claim directly to the insurer. In addition, if this requirement is satisfied with a General Liability Wrap-up liability insurance policy, the policy must contain completed operations liability coverage, which must remain in effect until Contract Completion. Furthermore, such Wrap Up liability insurance must cover all operations related to the Work whether conducted on the Site or elsewhere."

2.1.4 Pre-Construction Meeting

Section 1.2.8.1, Pre-Construction Meeting, the last paragraph is replaced with the following:

"The Contractor must provide a list of all planned subcontractors for the Project and identify which ones he believes should attend the meeting. The LCA may review the list and may require the Contractor to ensure certain key subcontractors attend. In addition to the subcontractors, the Contractor must ensure that its project supervisor and its designated safety and traffic representatives are in attendance. In addition, the Contractor cannot mobilize to Site until after the Contract is executed and the Department has indicated it has received and is satisfied with all requested documents. The Contractor is responsible for ensuring requested documents are provided and understands that the Department will not authorize mobilization to the Site if all requested documents have not been received by the Department. The Contractor acknowledges and agrees that it cannot make a claim for any costs, delays, additional time or completion date adjustments, or damages associated with its delay or failure to submit all requested documents and not being authorized to mobilize to Site."

SPECIAL PROVISIONS

2.1.5 Environmental Management

Section 1.2.16.4.4, Produced Sand and Contaminated Soils, is replaced in its entirety with the following:

“Produced Sand and Contaminated Soils Produced Sand (oilfield waste sand) or any other contaminated soils as defined in Provincial Legislation are prohibited from use as a stand-alone or component material in any or all phases of construction on LCA projects, including grading, base course, paving and bridge Work.”

2.1.6 Failure to Complete on Time

The paragraph starting with “The sum of \$3,000.00 per calendar day...” of Section 1.2.40(i)(a), Damages due to Delay, is replaced in its entirety and shall not apply to this Contract.

Should the Contractor complete the work prior to June 30, the Contractor shall receive a \$5,000 Bonus.

2.1.7 Holdback

Section 1.2.46.3, “Alternatives to Holdback” of the General Specifications is deleted and shall not apply.

2.1.8 Goods and Services Tax

Delete Section 1.2.47 and replace with the following:

“Unless otherwise stated in this specification, the Unit and Lump Sum Prices shall include all labour, equipment, material, tools and incidentals and shall include all overhead, profit and supervision and the entire cost of all permits, certificates, Provincial Sales Tax, Provincial Labour Taxes, Workers' Compensation, Public Liability and Property Damage, Surety Bond, Royalties and any and all other costs of a like nature to which the work is liable.

The Federal Goods and Services Tax is not to be included in the Unit and Lump Sum Prices. This tax is to be shown as a separate item on the RFQ Forms. The Federal Goods and Services Tax will be added to the value of the work claimed on each progress certificate.”

2.1.9 Claims and Dispute Resolution

- i) Notwithstanding Section 1.2.57, Claims and Dispute Resolution, the administrative review structure for compensation adjustment shall be as follows:
 - 1. On-site LCA Designate
 - 2. LCA Drainage Committee
 - 3. LCA Board of Directors
- ii) Delete the last paragraph of Section 1.2.57.2 and replace with the following:

“Any Notice of Dispute issued by the Contractor to the Owner pursuant to this Contract must be served to:

SPECIAL PROVISIONS

LCA

Attention: info@lakeislelutherancamp.com

Phone: Crystal Willie, President: 780-993-4985

PLANS AND PERMITS

1.0 PLANS AND PERMITS

1.1 REFERENCE DOCUMENTS

The following documents shall form part of the RFQ document:

Drawing No.	Description
LCA_Loc	Location Plan
LCA_North Road	Sunrise Beach Drive Road Profile
LCA_Drainage_001	Sunrise Beach Drive Road Cross Section
LCA_Drainage_002	Sunset Beach Drive Culvert Details Sketch
LCA_Drainage_003	Cranberry Lane Culvert Details Sketch
LCA_Drainage_004	Lot 123/124 Culvert Details Sketch
LCA_Ditch Line 1 & 2	Sunset & Cranberry Lane Ditching and Drainage Plan
LCA_Photo Form	Photo Form – November 2021
San389	Lac Ste. Anne Natural Gag Co-op As-Built Plan
E001-001	Power System Drawings

THE CONTRACTOR IS ADVISED THAT THE PHOTO SHEETS DEPICT WATER LEVELS AND SITE CONDITIONS AS OBSERVED ON THE DATE INDICATED AND THAT THESE CONDITIONS MAY VARY AT THE ACTUAL TIME OF WORK.

1.2 STANDARD DRAWINGS

Drawing No.	Description
CB6-2-4M1	Corrugated Metal Pipe Culvert Installation (Open-Cut Method)
CB6-2-4M7	Sloped End Installations for Round Section Corrugated Steel Pipe
CB6-2-5M1	Hand Laid Riprap (Rock or Sacked Material)

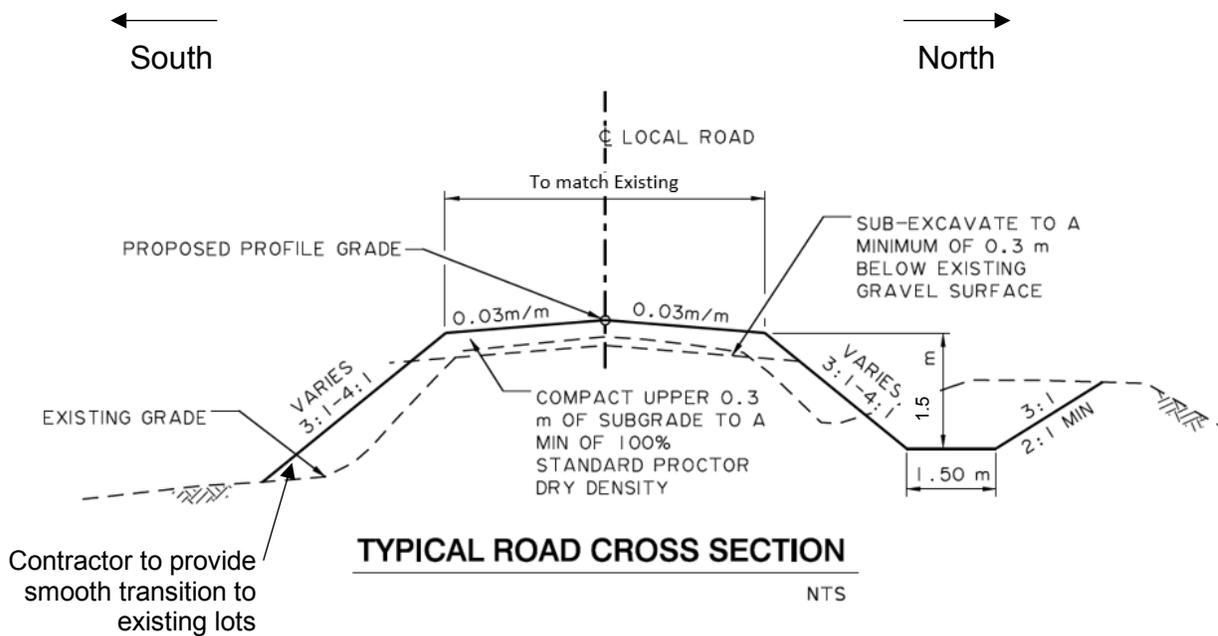


Lutheran Camp Association

LOCATION PLAN

ROADWAY:	LOCATION:	DRAWN:	DATE:	SHEET:	DRAWING NO.:
Highway 633	SW 27-53-06 W5M E1/2	KF	Nov 2021	1	LCA_Loc

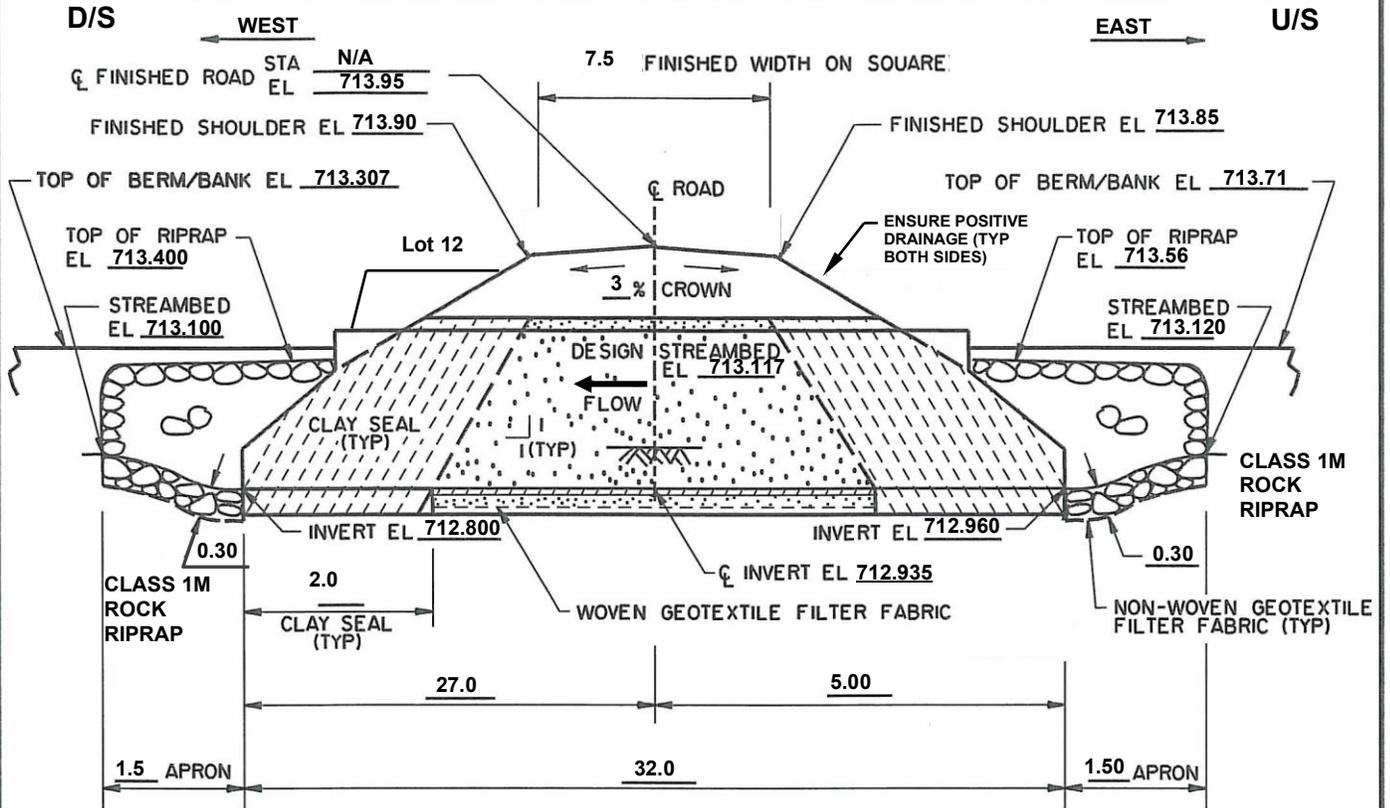
Sunrise Beach Drive Road Cross Section



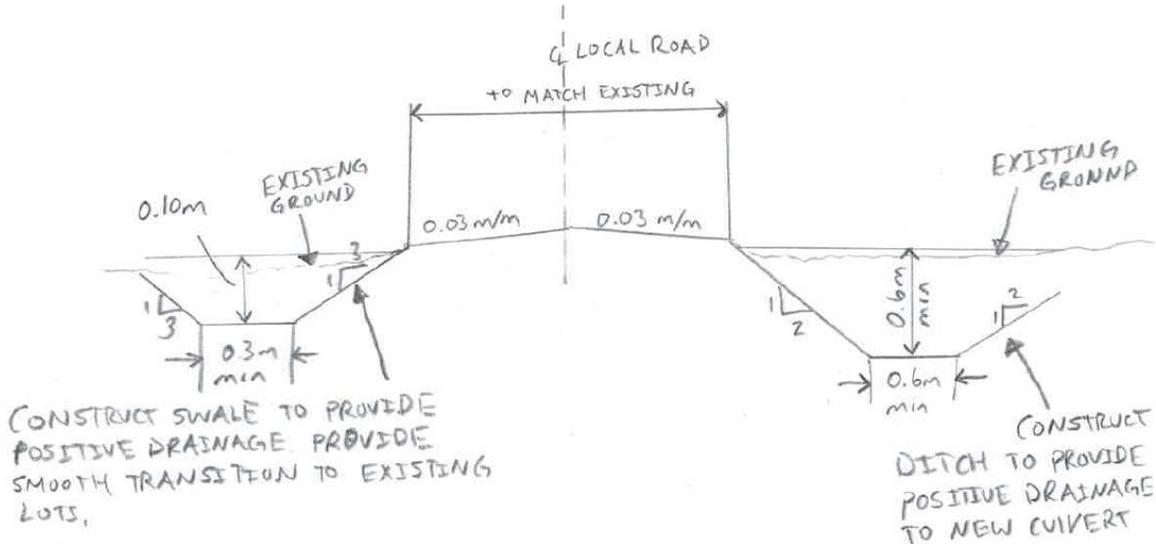
NOTES:

- ALL DIMENSIONS ARE IN METRES
- GRADE EXISTING DITCHES TO PROVIDE POSITIVE DRAINAGE TO INSTALLED CULVERTS
- FINISHING GRAVEL TO BE 75 mm THICK DES 4 CLASS 20, PLACED IN TWO LIFTS

CULVERT INSTALLATION DETAILS

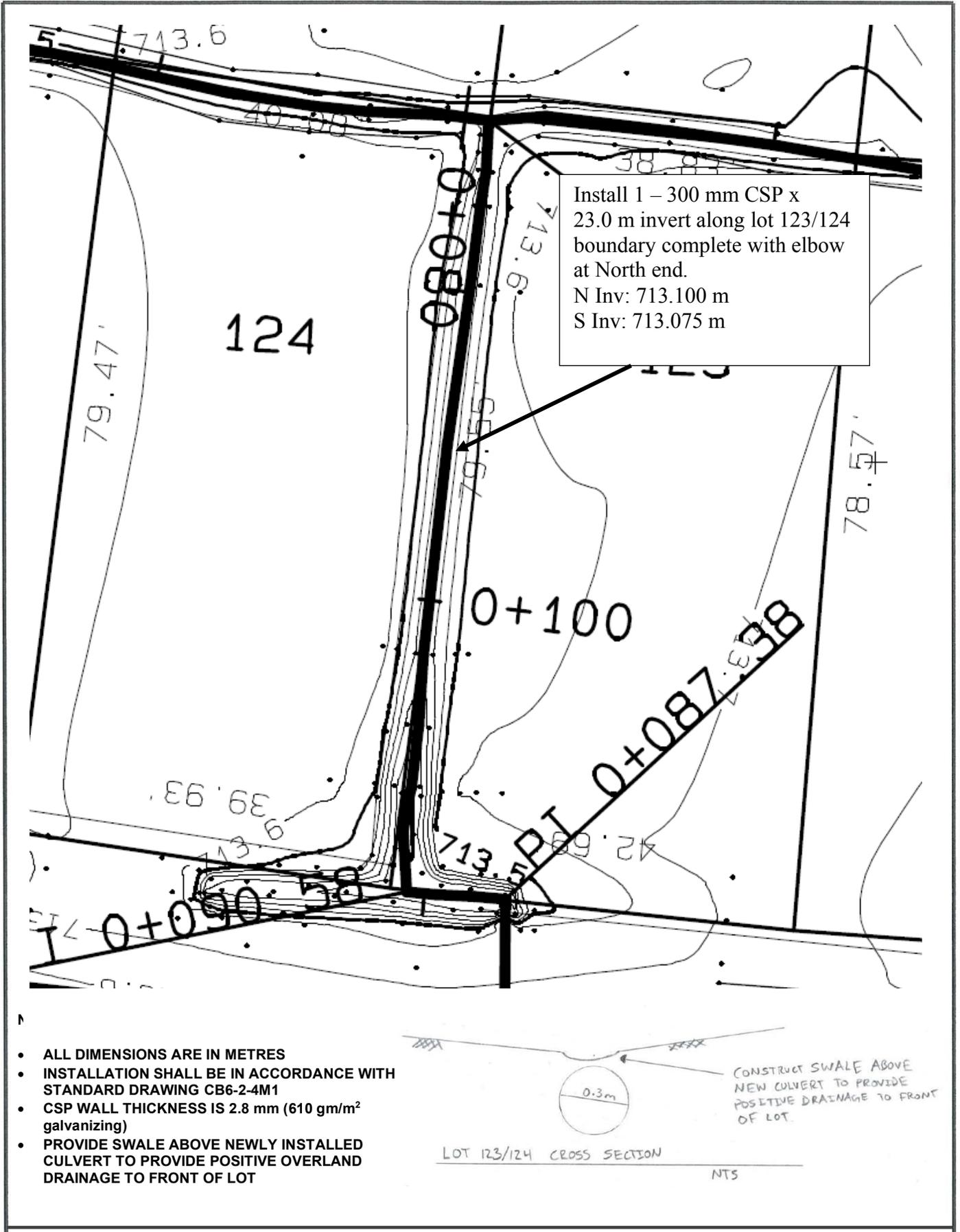


NEW STRUCTURE SKEW: Square to Road



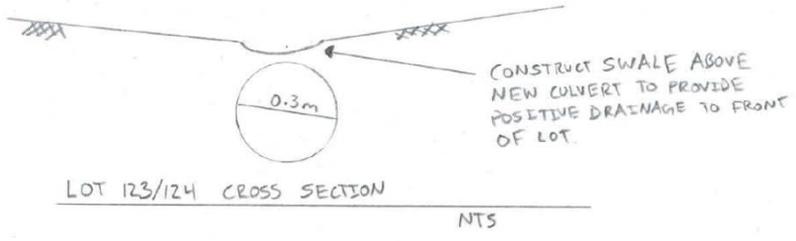
NOTES:

- ALL DIMENSIONS ARE IN METRES
- INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING CB6-2-4M1
- CSP WALL THICKNESS IS 2.8 mm (610 gm/m² galvanizing)
- GRADE EXISTING DITCHES TO PROVIDE POSITIVE DRAINAGE TO INSTALLED CULVERTS



Install 1 - 300 mm CSP x
 23.0 m invert along lot 123/124
 boundary complete with elbow
 at North end.
 N Inv: 713.100 m
 S Inv: 713.075 m

- ALL DIMENSIONS ARE IN METRES
- INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING CB6-2-4M1
- CSP WALL THICKNESS IS 2.8 mm (610 gm/m² galvanizing)
- PROVIDE SWALE ABOVE NEWLY INSTALLED CULVERT TO PROVIDE POSITIVE OVERLAND DRAINAGE TO FRONT OF LOT



Lutheran Camp Association		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 1 of 10



Looking East along Sunrise Beach Drive.



Looking West along Sunrise Beach Drive.

Lutheran Camp Association		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 2 of 10



Approx. STA 0+230 - Looking west along ditch on north side of Sunrise Beach Drive.



Approx. STA 0+170 – Looking west along ditch on north side of Sunrise Beach Drive.

Lutheran Camp Association		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 3 of 10



Approx. STA 0+170 – Looking east along ditch on north side of Sunrise Beach Drive.



Approx. STA 0+220 – Looking west along south side of Sunrise Beach drive.

<h1>Lutheran Camp Association</h1>		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 4 of 10



Approx. STA 0+240 – Looking west along south side of Sunrise Beach Drive.



Looking North along Sunset Beach Drive.

Note lack of existing swales/ditches along road shoulders.

<h1>Lutheran Camp Association</h1>		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 5 of 10



Looking Northwest along Sunset Breach Drive.

Note Culvert to be replaced. And ditching to be restored along roadways.



Looking east along Sunset Beach Drive existing 300 mm concrete culvert.

Note location of powerpole.

Lutheran Camp Association

Roads: **Various**

Date: **Various**

Over: **Camp Koinonia – Drainage Improvements**

By: **LCA Drainage Committee**

Highway / Location: **6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford**

Page: **Page 6 of 10**



Looking west along Sunset Beach Drive existing 300 mm concrete culvert.



Looking west at Sunset Beach drive.

Existing ditches to be restored.

<h1>Lutheran Camp Association</h1>		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 7 of 10



Looking north along Cranberry Lane.

Note lack of ditching and swales - to be restored.



Looking South along Cranberry Lane.

Note lack of ditching and swales - to be restored.

Lutheran Camp Association		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 8 of 10



Looking east along Cranberry Lane – Note existing culvert to be tied into new ditching and swales to provide positive drainage to new culverts.



Looking East at Cranberry Lane existing 300 mm concrete culvert to be replaced.

Lutheran Camp Association		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 9 of 10



Looking west at Cranberry Lane. Note existing 300 mm concrete culvert to be replaced.



Looking South along Lot 123/124 boundary. Note culvert to be installed inside existing ditch.

Lutheran Camp Association		Roads:	Various
		Date:	Various
Over:	Camp Koinonia – Drainage Improvements	By:	LCA Drainage Committee
Highway / Location:	6223 TWP Rd. 534A / SW 27-53-06 W5M / Near Gainford	Page:	Page 10 of 10



Looking South along Lot 123/124 boundary. Note culvert to be installed inside existing ditch.



Looking west along back of lots 123/124



AS BUILT DRAWING
 CONSTRUCTION COMPLETED EXCAVATING LTD.
 COMPLETED APRIL 2018

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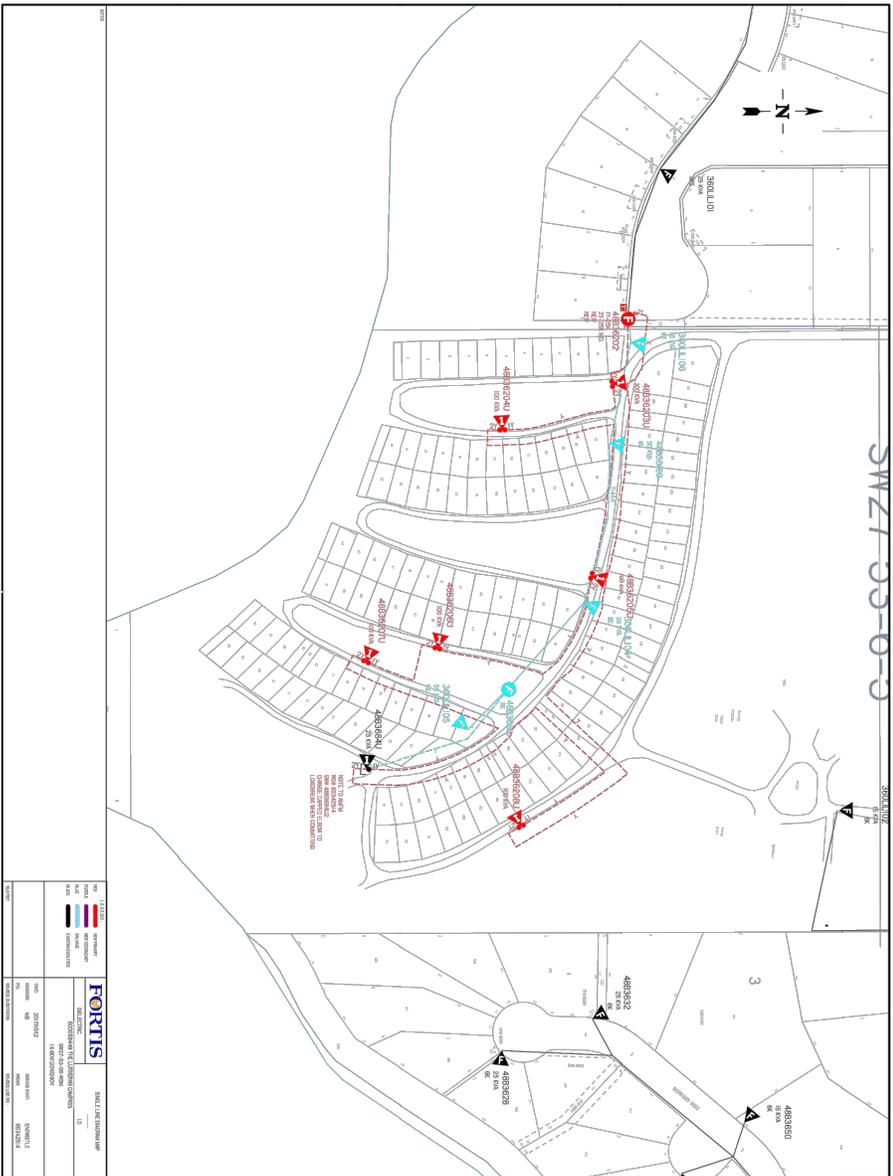
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		LUTHERAN CAMP ASSOCIATION SW 27-55-6 W5 FACILITY LOCATIONS	
DESIGNED BY	DATE	REVIEWED BY	DATE
K. HARRIS	JUNE 2017	K. HARRIS	JUNE 2017
SCALE	AS NOTED	FILE NO.	195-003
DRAWING NO.	E001-002	SHEET NO.	

- LEGEND**
- POWER ALIGNMENT BRANCH
 - POWER ALIGNMENT DIRECTIONAL DETAIL
 - PROPOSED 3M TRENCH RIGHT OF WAY
 - EXISTING 1.8M (6FT) WORKING SPACE BRANCH (NOT BY OWNER)
 - 600A MAIN DISCONNECT PANEL (MWP)
 - ▲ 410 DISTRIBUTION IDENTICAL
 - ▲ 400 A SINGLE WITH INDIVIDUAL WEATHER HEADS (PREFERRED CONNECTION VARIATION)
 - PROPOSED TRANSFORMER OWNED BY OWNER AND 1750A (1750A) CWP (600A) IN THE FORET MANNING ON 4TH AVE RIGHT OF WAY
 - EXISTING TRANSFORMER OWNED BY TRANSFORMER
 - REAR POLE BY FORCE
 - CROSSING ON IMPROVED PROJECTION

- NOTES**
1. MAINLINE A MAXIMUM 1.8M AND MAXIMUM 1.5M DEPTH WITH DIRECTIONAL DRILLING. (DEPTH CONSIDERED AS TO BE DEEP)
 2. EXCAVATION SHALL BE TO THE DEPTH OF PROPOSED MAINLINE AND SHALL BE INSTALLED BY DISCREETAL DRILLING.
 3. WHERE BRANCH ALIGNMENT FOLLOWS ROAD EDGE, ALIGNMENT IS 0.3M FROM EDGE OF ROAD.
 4. FOR SECONDARY CABLE THE MINIMUM ALLOWABLE BURIED INSTALLATION DEPTH SHALL BE 0.75M FROM THE BOTTOM OF THE CURB AND FINISH OF THE CANADIAN ELECTRICAL CODE.
 5. NOTE REFERRED.
 6. THE CONTRACTOR WILL BE RESPONSIBLE FOR RECONSTRUCTION OF ANY EXISTING UTILITY OR STRUCTURE DAMAGED DURING CONSTRUCTION OF THIS PROJECT TO ORIGINAL OR BETTER CONDITION AND TO MEET ALL REQUIREMENTS OF THE CANADIAN ELECTRICAL CODE.
 7. EIGHT OFF EQUIPMENT TO BE 1.8M FROM EDGE OF ROAD OR CHANNELED SYSTEMS TO BE INSTALLED TO THE NORTH OF ROAD.
 8. SEE DRAWING 001-002 FOR REMAINING TRENCH DETAILS AND DETAILS.
 9. DESIGNER'S RESPONSIBILITY IS TO PROVIDE A PLAN AND SECTION OF THE EXISTING UTILITY TO THE CONTRACTOR FOR VERIFICATION.



SINGLE LINE DIAGRAM BY FORTIS ALBERTA
N.T.S.

AS BUILT DRAWING
CONTRACTOR: COPPER LINE EXCAVATING LTD.
COMPLETED: APRIL, 2018

REV#	DATE	REVISION DESCRIPTION	REVISION
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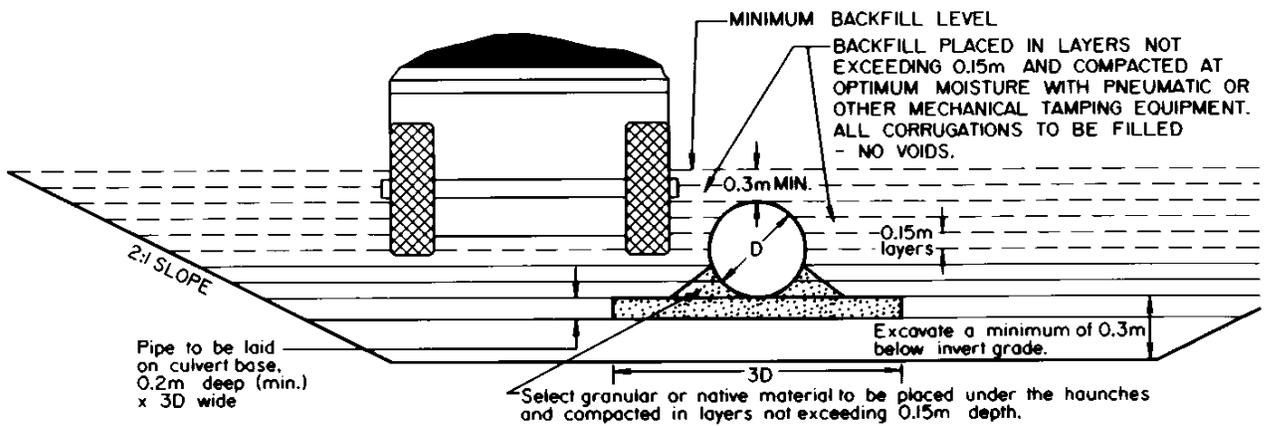
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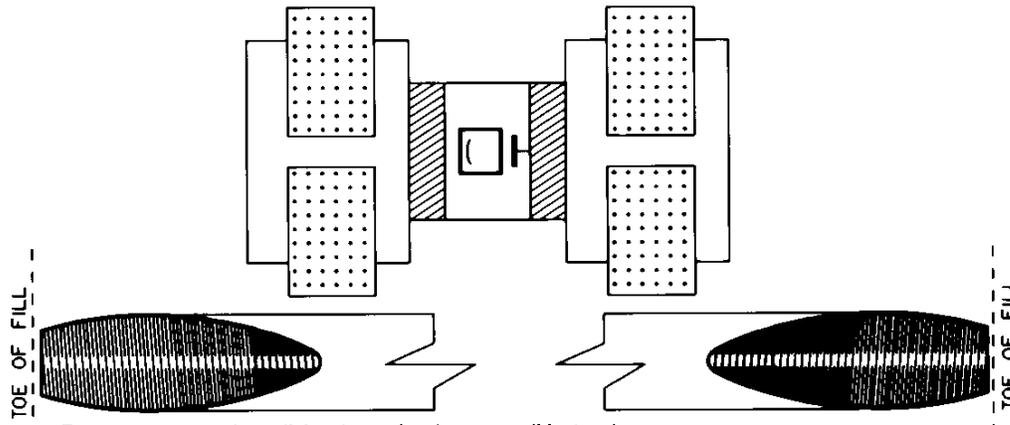
REGISTERED PROFESSIONAL ENGINEER
REGISTERED PROFESSIONAL GEOMATICS ENGINEER
REGISTERED PROFESSIONAL LAND SURVEYOR
REGISTERED PROFESSIONAL CIVIL ENGINEER
REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
REGISTERED PROFESSIONAL MECHANICAL ENGINEER
REGISTERED PROFESSIONAL CHEMICAL ENGINEER
REGISTERED PROFESSIONAL INDUSTRIAL ENGINEER
REGISTERED PROFESSIONAL AERONAUTICAL ENGINEER
REGISTERED PROFESSIONAL METALLURGICAL ENGINEER
REGISTERED PROFESSIONAL MINING ENGINEER
REGISTERED PROFESSIONAL PETROLEUM ENGINEER
REGISTERED PROFESSIONAL ENVIRONMENTAL ENGINEER
REGISTERED PROFESSIONAL AGRICULTURAL ENGINEER
REGISTERED PROFESSIONAL FORESTRY ENGINEER
REGISTERED PROFESSIONAL FOOD ENGINEER
REGISTERED PROFESSIONAL TEXTILE ENGINEER
REGISTERED PROFESSIONAL FIBRE ENGINEER
REGISTERED PROFESSIONAL POLYMER ENGINEER
REGISTERED PROFESSIONAL PLASTIC ENGINEER
REGISTERED PROFESSIONAL RUBBER ENGINEER
REGISTERED PROFESSIONAL LEATHER ENGINEER
REGISTERED PROFESSIONAL GLASS ENGINEER
REGISTERED PROFESSIONAL CERAMIC ENGINEER
REGISTERED PROFESSIONAL PAPER ENGINEER
REGISTERED PROFESSIONAL FIBRE ENGINEER
REGISTERED PROFESSIONAL FOOD ENGINEER
REGISTERED PROFESSIONAL TEXTILE ENGINEER
REGISTERED PROFESSIONAL FIBRE ENGINEER
REGISTERED PROFESSIONAL POLYMER ENGINEER
REGISTERED PROFESSIONAL PLASTIC ENGINEER
REGISTERED PROFESSIONAL RUBBER ENGINEER
REGISTERED PROFESSIONAL LEATHER ENGINEER
REGISTERED PROFESSIONAL GLASS ENGINEER
REGISTERED PROFESSIONAL CERAMIC ENGINEER
REGISTERED PROFESSIONAL PAPER ENGINEER

LUTHERAN CAMP ASSOCIATION
SW 27-55-6 W5
SINGLE LINE DIAGRAM

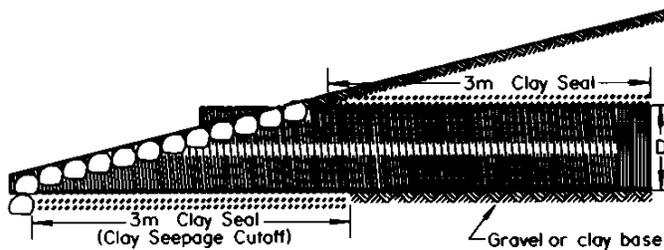
DESIGNED TO MEET ENGINEERING STANDARDS	DATE	JUNE, 2017	DRAWING NO.
DRAWN BY	BLANKENHORN	FILE NO.	198-003
REVIEWED BY	K. HANS	SCALE	AS NOTED
DRAWING NO.	E001-003	SHEET NO.	



EXCAVATION, CULVERT BASE AND BACKFILLING



COMPACTION (PLAN VIEW)



Clay seal for seepage to be placed at both ends, for a length of 3m, and to the top of the pipe.

CLAY SEAL DETAIL

△			
△			
No.	REVISIONS	BY	DATE

Approved:

Camille B...

Executive Director,
Roadway Engineering Branch

Date: 94/1/22

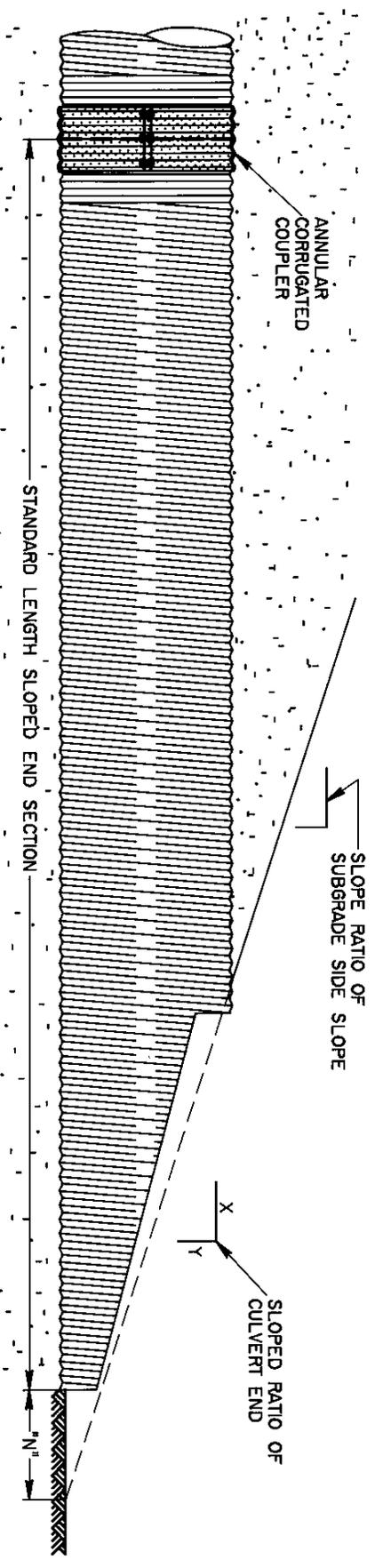
Alberta

TRANSPORTATION
AND UTILITIES
Engineering Division

CORRUGATED METAL PIPE CULVERT INSTALLATION (OPEN-CUT METHOD)

Prepared By: LT	Checked By: B.K.	Scale: N.T.S.	Dwg No.: CB6-2.4 MI
-----------------	------------------	---------------	---------------------

Graphics & File: DEI[200.22]cb624m01.mxd



SELECTION OF SLOPE RATIO FOR SLOPED END SECTION:

A 4 : 1 SLOPED END SECTION SHALL BE USED IN CONJUNCTION WITH ALL SUBGRADE SIDE SLOPES WITH THE EXCEPTION OF 1200mm DIA. AND LARGER WHERE APPLICABLE.

C.S.P. DIAMETER - D mm	SLOPE RATIO OF CULVERT END X:Y	"N" - m				INVERT LENGTH OF SLOPE END SEC. METRE
		WITH 3:1 SUBGRADE SLOPE RATIO	WITH 4:1 SUBGRADE SLOPE RATIO	WITH 5:1 SUBGRADE SLOPE RATIO	WITH 6:1 SUBGRADE SLOPE RATIO	
400	4 : 1	0.3	0.5	0.8	1.2	6.0
500	4 : 1	0.3	0.6	0.9	1.5	6.0
600	4 : 1	0.3	0.6	1.0	1.6	6.0
700	4 : 1	0.3	0.8	1.2	2.0	6.0
800	4 : 1	0.4	0.9	1.4	2.3	6.0
900	4 : 1	0.5	1.0	1.6	2.5	6.0
1000	4 : 1	0.5	1.2	1.8	2.8	6.0
1200	3 : 1	0.9	1.7	2.4	3.7	6.0
	4 : 1	0.6	1.4	2.2	3.5	6.0
1400	3 : 1	1.0	1.9	2.8	4.3	6.0
	4 : 1	0.6	1.6	2.5	3.9	6.0

DETERMINING INSTALLATION LENGTH

THE LENGTH OF PIPE CULVERT TO BE INSTALLED SHALL BE DETERMINED AS FOLLOWS:
 1) ESTABLISH THE THEORETICAL LENGTH BASED ON SLOPE STAKE REQUIREMENTS.
 2) ADJUST THE THEORETICAL LENGTH BY APPLYING THE END CORRECTION "N" AS DETERMINED FROM THE TABLE TO EACH END OF THE CULVERT.
 3) INSTALLATION LENGTH SHALL BE THE LENGTH DETERMINED IN "2" ABOVE, ROUNDED OFF TO THE NEAREST METRE.

REVISIONS	BY	DATE

Approved: _____
 Director,
 Design Engineering Branch

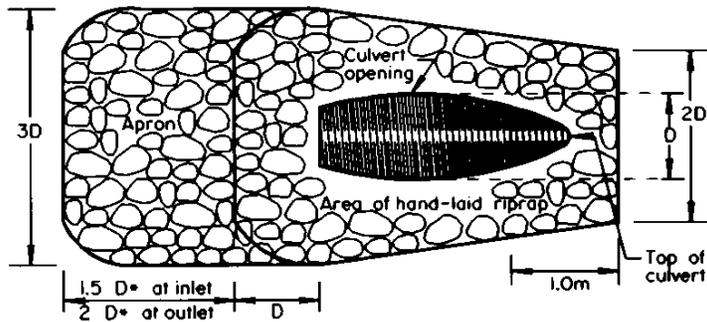
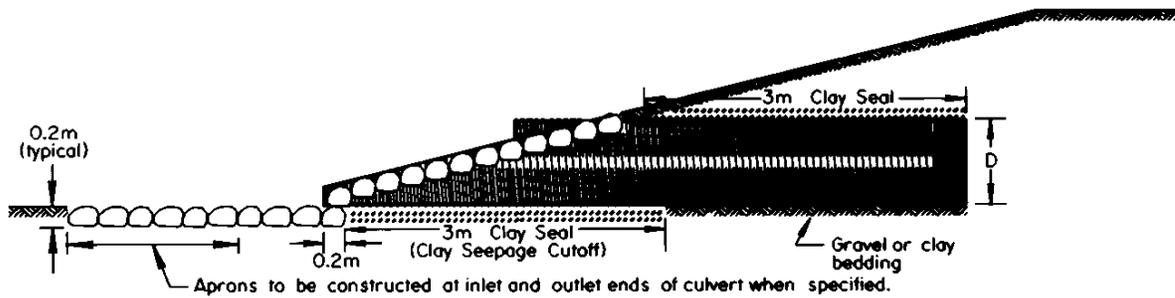
Date: FEBRUARY 27, 1992

Alberta
 TRANSPORTATION
 AND UTILITIES
 Engineering Division

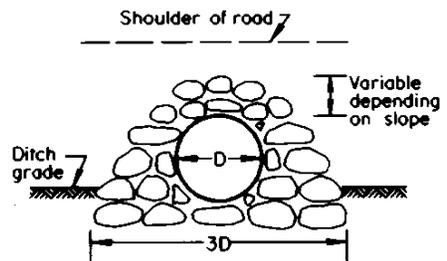
SLOPED END INSTALLATIONS FOR ROUND SECTION CORRUGATED STEEL PIPE

Prepared By: B.R. Checked By: J.K. Scale: N.T.S. Dwg No.: CB6-2.4M7

SECTION



PLAN VIEW



ELEVATION

ESTIMATED RIPRAP SURFACE AREAS*

PIPE DIAMETER (mm)	AREA OF ONE END EXCLUDING APRON (m ²)	AREA OF ONE END INCLUDING INLET APRON (m ²)	AREA OF ONE END INCLUDING OUTLET APRON (m ²)
500	2	3	4
600	3	5	6
700	4	6	7
800	5	8	9
900	6	10	11
1000	7	12	13
1100	9	14	16
1200	10	16	19
1400	13	22	25

* THE ESTIMATED RIPRAP SURFACE AREAS SHOWN IN THIS TABLE ARE BASED ON A 4:1 SIDESLOPE.

NOTE:

THIS DRAWING SUPPLEMENTS SPECIFICATION 2.5 RIPRAP AND APPLIES TO CULVERTS LESS THAN 1500mm EQUIVALENT DIAMETER.

△			
△			
No.	REVISIONS	BY	DATE

Campbell

Executive Director,
Roadway Engineering Branch

Date: 94/1/22

Alberta
TRANSPORTATION
AND UTILITIES
Engineering Division

HAND LAID RIPRAP
(Rock or Sacked Material)

Prepared By: L.T. Checked By: B.A. Scale: N.T.S. Dwg No.: CB6-2.5 MI

Request for Quotation
STATUTORY DECLARATION

2.0 STATUTORY DECLARATION

CANADA
PROVINCE OF
ALBERTA

IN THE MATTER OF a Contract bearing No. _____ between
_____ and

(hereinafter referred to as the "Contractor").

TO WIT:

I, _____ of the
_____ of _____ in the
Province of Alberta, do solemnly declare:

1. That I am an officer of the Contractor holding the office of _____ and as such have personal knowledge of this Contract and of the facts and matters stated herein.
2. That the Contractor has discharged every obligation under this Contract, excluding the payment of the sums listed under "Exceptions".
3. That the Contractor has made full payment to all creditors for all labour, equipment, materials and services used in the performance of this Contract and any related subcontract, including full payment to all subcontractors and the Workers' Compensation Board, excluding payment of the sums listed under "Exceptions."
4. That there are no outstanding amounts or holdbacks retained from any subcontractor or creditor, with the exception of the names and amounts shown below. If there are no exceptions, this will be so indicated below.

Exceptions:

And I make this solemn declaration conscientiously believing it to be true, and knowing that it is of the same force and effect as if made under oath.

DECLARED before me _____
at _____
this ____ day of _____ 20____

Signature of Declarant

A Commissioner for Oaths in and for the
Province of Alberta

Request for Quotation
ADDENDA

3.0 ADDENDA