



March 15, 2021

Maliseet Nation at Tobique

13904 Route 105

Tobique First Nation, NB E7H 3Y4

Our File No.: 493-18-04-G¹

Via email: dana_francis@hotmail.com

***Subject: Engineering Services Proposal
Kciw Knicanewek Sports and Recreation Park – Phase 2
Tobique First Nation, NB***

We would like to thank you for the opportunity to assist Tobique First Nation with the civil, structural, mechanical and electrical engineering services for the above-mentioned project. Rest assured of the dedication of our team members in reaching your project's goals.

It is our understanding that the services of Roy Consultants are being solicited to assist EVOQ Architecture and BDA Landscape Architects in the preparation of plans and specifications for construction of Phase 2 of a new sports and recreation park in Tobique First Nation, New Brunswick. This proposal is for Phase 2B of the project, planned for 2021. The following components of the park, listed on an estimate from EVOQ dated September 30, 2020, will require our engineering services: extension of access road, water and sewer services and construction of parking lot no. 2 (items 10, 11 & 12), construction of an amphitheatre, a grounds building and a field house (item 14.6, 19, 20 and 21), construction of an ice rink complete with roof (item 22), as well the lighting of the baseball diamond (item 18). We understand the client's budget for Phase 2 is \$4,853,000.00, including design and engineering. The following is our proposal defining our professional involvement in the realization of the above.

Engineering Services

1. Topographic Site Survey Services

- Perform a preliminary topographic survey to obtain the existing site elevations necessary to the design of the complete park (additional area not grubbed in 2020).

¹ 493-18-04 RC Proposal - Tobique - KKS RP Phase 2 (March 15, 2021) MV.doc

2. Design Services

Design and preparation of plans and technical specifications for the following:

- Storm Sewer System: An underground storm sewer system will not be part of this design. Roads and parking lot will drain to swales, ditches and culverts, where necessary;
- Water Distribution System: The water distribution system will be connected to the Reservoir Road waterline;
- Sanitary Sewer Service: A detailed design will be required in order to properly service all the buildings of Phase 2, a small lift station may be required;
- Access Road and Parking: Site grades for the access road and parking areas will be set to promote positive drainage to ditches and swales. Erosion control measures will be included to control erosion from the construction;
- Structural: Design of the roof and the concrete slab for the ice rink, as well the structures of the three proposed buildings;
- Electrical: Electrical design will be done to supply required electrical services to Phase 2 of the project, including the baseball diamond lighting;
- Mechanical: Mechanical design will be done for the three proposed buildings.

Deliverables for Civil, Structural, Mechanical and Electrical:

- PDFs of “Issued for Approval” drawings;
- PDFs of “Issued for Tender” stamped drawings and specifications on drawings.

Additional Notes

- Additional clearing and grubbing is required in the area of the proposed soccer field and track prior to survey;
- The extent of mechanical and electrical services required in each building has not yet been defined;
- The layout of the park will have to be confirmed by EVOQ and the client prior to beginning our design work.

Exclusions to our Scope of Work

Not included in our services are the following:

- Contract administration and services during construction are not included at this time, but can be offered;
- Snow removal for survey;
- Legal survey;
- Landscaping;
- Watercourse and Wetland Alteration Permit (WAWA) application;

- We assume that there is sufficient pressure in the existing Reservoir Road water distribution system to provide the design fire flows at 20 psi residual pressure in the fire hydrants and to supply the buildings and ice rink. A booster station for the water distribution system is not included;
- Full-time civil supervision services. This service can be provided based on our hourly rates and expenses, per diem;
- Evaluation of the capacity of the municipal systems to supply water or to receive waste water (storm sewer, sanitary sewer and water distribution systems) nor any modifications to these systems.

Professional Fees

For Phase 2 of the project, we strongly recommend that a budget of \$150,000.00 plus H.S.T., expenses included, be set aside for this phase of the work.

The amount listed above is estimated and will be invoiced on an hourly basis based on actual time worked on this phase of the project. We thus offer you these services or other services not listed above that you may request during the course of the project at the following rates:

- Senior Engineer: \$95/h-\$130/h;
- Intermediate Engineer: \$75/h-\$98/h;
- Engineer-in-Training: \$70/h-\$75/h;
- Senior Technologist: \$70/h-\$115/h;
- Technician/Draftsman: \$55/h-\$65/h;
- Site Surveyor with GPS: \$125/h
- Expenses: - Travelling: \$0.50/km;
- Other: at cost.

We trust that this offer is satisfactory and that we have correctly interpreted your requirements. However, should you have any questions or comments, please do not hesitate to contact the undersigned at your convenience.

Sincerely,



Mireille Vautour, P.Eng.
CIVIL Engineer
EDMUNDSTON Office Manager

Proposal Acceptance 493-18-04:

By signing this proposal, Tobique First Nation acknowledges that this offer reflects the requirements of the request for engineering services and accepts the terms and conditions submitted. This document signed by both parties represents the only agreement between both parties for this mandate unless an amendment to this agreement is made afterward.

Tobique First Nation – *Signature of Signing Officer*

Date

Tobique First Nation – *Name and Title of Signing Officer*

