

TOWN OF NORMAN WELLS
JOINT TOWN PLANNING AND LAND USE & RECREATION COMMITTEES
Special Meeting for Thursday, April 29, 2021
Council Chambers @ 7:00 pm

MEETING MINUTES

Present:

Recreation committee:

Trevor Smith	Councillor–Chairperson
Alexis Peachey	Councillor-Alternate Chairperson
Ava Pope	Member (Youth representative)
Shauna Spilchak	Member
Nicole Richard	Member

Town Planning and Land Use committee:

David Wever	Councillor–Chairperson
Jean-Paul Bernard	Councillor-Alternate Chairperson (phone)
Cindy Collier	Member
Dee Opperman	Member

Regret:	Carol Lorentz	Member (Town Planning and Land Use committee)
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Administration:	Alex Millette	Recreation Director
	Johannie Lapierre	Development Officer

1. **Call to Order –7:02 PM**
2. **Declaration of Conflict of Interest**
None.
3. **Review and Adoption of Agenda**

‘Be is resolved that the agenda of the Joint Town Planning and Land Use and Recreation committee meeting dated April 29th is hereby adopted as amended to replace “regular scheduled meeting” by “special meeting”.’

Moved: Member Spilchak
Seconded: Member Collier

Adopted

4. **Delegation**
None.
5. **Review and Adoption of Minutes**
None.

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6. Old Business

None.

7. New Business:

a) Norman Wells Tourism Identity Improvement Plan

The Recreation Director introduces the topic by reminding the committees of the last meeting's discussions and by announcing that the Town received funding from ITI for the plan attached. He also clarifies that the project is still flexible and that many aspects are to be confirmed.

Member Spilchak notes that the washrooms must be wheelchair accessible.

The committees discuss of the possible reasoning behind the proposition to use aluminium panels at Jackfish Lake and would like to have a visual to better understand the idea. Plexiglas is suggested as an alternative.

The committees discuss about portable washrooms, wondering if there will be enough, if they will require a frequent clean up and if there should be one at each extremity of the Jackfish camping sites for more convenience.

The Recreation Director provides additional information on the finance aspect of the campsite expansion, saying that the actual plan would cover for the road building (majority of the costs) and two new campsites. Gas tax is another funding source for the Jackfish improvement project.

The committee recommends the new campsites to be located beside the existing ones, on the lake front side. Since road work costs would be alleviated, the members agree on the potential for clearing a second trail going down to the lake and placing another dock. There are many advantages to this option such as offering campsites that are similar to the most popular ones while preventing congestion by the lake during busy hours. The Recreation Director informs that the Department of fisheries and oceans' approval is required for doing work near the water.

Member Opperman reminds that the population expressed the need of clearing the edges of the road to the park at some areas to avoid visibility hazards. This type of work could be interesting for summer students. Member Richards comments that people risk to drive faster if the road is improved too much.

The Recreation Director will come back to the committee with quotes according with the current discussions. He then details the plan content related to signage, explaining that the majority of the budget would be used for an electronic sign.

The committees recognize the need for signs in town, whether it is directional, location or instruction signs. Member Richards suggests keeping raven as a design where applicable for consistency. Directional signs would be made of the conventional colors for clarity.

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The committees agree for both Hodgson Lake and Jackfish Lake inscriptions to show on the sign: the official name on top and the common name below and under brackets. Metal should be the material used for the signs and streets signs that are missing must be prioritized.

Member Richards suggests that the “Welcome to Norman Wells” sign be locally designed.

Councillor Wever wonders about the possibility to build a way to turn around at the end of the Jackfish park campsites instead of the vehicles having to back off. He also inquires if playground improvement could be included in the project.

8. Open Forum

The members schedule the next meeting on May 12, 7PM.

9. Adjournment – 8:29PM.

Town of Norman Wells



Norman Wells Tourism Identity Improvement Plan

This project was created to give Norman Wells a tourism identity; this will help develop the first steps to help build that identity. The first issue was lack of signage pointing to our existing attractions and other main areas around town. Signage will be placed around town to help tourists navigate the community and find the must-see areas with ease of access. In addition, we will also be looking at placing an electronic messaging sign on the town office, which is a central location already for any visitor and resident. The next major component is the investment to improve the town's biggest attraction and that is Jackfish Lake Park. The park is a great spot for tourists as it comes with camp sites, washrooms, a swimming area, picnic spots, and trails. This is a must stop place for any tourist or resident. To go along with this new signage program, the focus will also be to invest in park improvements such as new washroom facilities, improving the playground, and expanding work on the beach area to add to the improvements already completed this past summer. This project will help build that identity through proper signage and improving the town's most popular spot. In this package

This proposal will include:

- Project details
- Timelines
- Quotes
- Future direction

This project will put Norman Wells on the successful paths of being one of the tourism leaders in the Sahtu region.



Project details

Signage



This part of the project will focus on outing the necessary signage around town to help with the identification of the noticeable areas around town. Here are the main areas to receive signage during this project:

- Jackfish Lake Park
- Bandy Lake Park
- Entrances on roads coming into town
- Playgrounds and parks in town
- Various areas around town where signage is appropriate

The big part of this signage project will be the proposed new electronic sign going next to town office. This sign will allow the town to promote attractions, programs, and any other announcements to not only the residents but visitors in town. This also opens the door for collaboration with other tourist groups in town and in the region, who may be looking for some additional exposure or promotion. This sign will be a vital tool in effectively promoting our attractions and messages to those who pass by it. With this main signage point, and the other signage around placed around the community, it will become the forefront and leading strategy to building and improving tourism for Norman Wells for years to come.

Jackfish Lake Park Improvements



Out of all the stops in the town of Norman Wells, Jackfish Lake Park is conserved one of the must see by many. It is a great place for family friends, or individuals who are looking to get out and experience what the Northwest Territories has to offer. Jackfish Park is one of the must stop for any tourist who not only comes to Norman Wells but also in the Sahtu. The park features all the amenities for someone to experience what nature in the Northwest Territories has to offer. Tourists can find great camping sites with breathtaking views or take a walk down the path to the lake and swim to cool off. The park offers a great cookout area for visitors to cook and have a meal. Visitors can take a walk down the path to the dock and enjoy sometime by the water. Everything about the park is a perfect outdoor setting for a summer day in the north.

Here are some of the improvements this project will focus on for the park:

Bathrooms

- Current bathrooms have aged and need to be replaced
- We are going to replace the fixed older wooden out houses with a dual portable washroom trailer.
- A second trailer will be purchased and placed at the town's newest park, Bandy Lake Park. This is the only work Bandy Lake Park will see during this project.
- This will improve sanitation, quality, and longevity of amenities for the park.

Playground

- New playground quality sand to help improve the hardened surface
- Additional equipment to add to the existing equipment

Dock Area

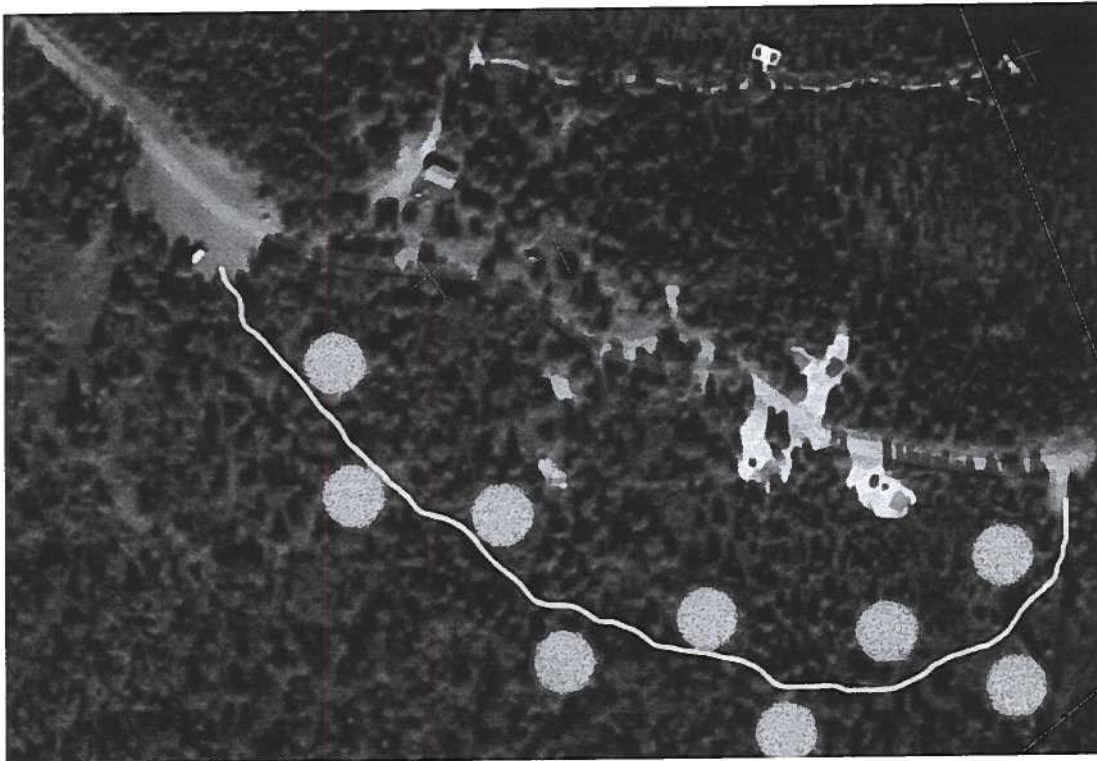
- Adding a railing system to the dock area to make it safer.
- Adding additional garbage cans to the dock and trail to help keep the park clean.

Campsites

- Campsites and road to be extended.
- This will create additional campsites.

These changes will vastly improve the park quality and the experience of the visitors. These changes will also help setup the park for growth in the coming years with adding campsites and replacing old amenities and infrastructure.

Map and Location



This is an aerial view of Jackfish Lake Park. This is where most of the infrastructure work will take place. The illustrations you see are where future campsites and road accesses are being proposed to go. As for this project, it will start on the right side and go from there. This project

will not cover all the new sites, but it will be a starting point and can lead to future expansion. The other red markers are:

- Beach work
- Playground improvements
- Washroom improvements

Other locations that will only see signage added are:

- Noman Wells Town Office
- Bandy Lake Park
- Entrance and exits on roads at the town limits

Timelines and Key Deliverables

The goal of this project will be to have all the work done in 2021. Some factors can affect the timeline such as:

- Procurement
- Shipping
- request for proposal processes
- weather
- Any other unforeseen delays

Some of the work will be put out to the public for a request for proposal process while some will be completed in house. This project will be done in the phases listed below.

Phase 1: Procurement May 2021

Phase one will focus on purchasing of materials and products needed for the project. Most of these will need to come up on barge, so this will need to be prepared to ensure the project can start and stay on target. All materials and goods should be purchased and shipping arrangements to be completed by end of May 2021.

Phase 2: Campsite Expansion June 2021

Once the ground settles from the long winter in the North, the project can shift its focus on the campsite expansion. This process will begin with a request proposal process initiated at the beginning of June. Once successful proposal is selected, work can begin. Considering the proposed work and allocated amount from the project budget, the completion goal of this phase will be end of June 2021.

Phase 3: Signage/Bathrooms

The newly ordered signage can now be put up and installed. The focus of this phase will be the installation of the electronic sign at town office. This sign requires power and the appropriate

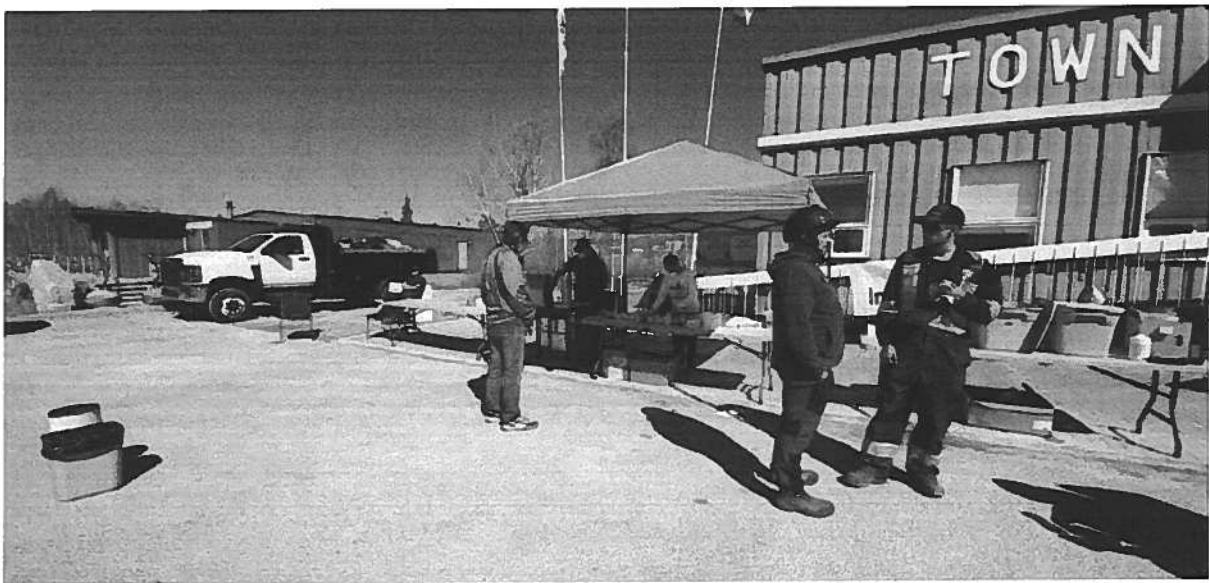
setup so this will take more time for installation compared to the other signage. All new signage should be completed by end of July 2021. The new bathrooms should arrive on first barge in early July, so these will be placed in Jackfish Lake Park and Bandy Lake Park upon arrival.

Phase 4: Remaining Jackfish Improvements

This phase will focus on completing the remaining work at Jackfish This includes the playground and beach improvements. This work will be completed in August 2021 and should be wrapped up at months end.

Phase 5: Reporting and Assessment

This final phase will focus on completing any reporting from funding that is supporting this project. After all the work is completed, a review and assessment will be completed by the town to evaluate what are the next steps for the town when it comes to the tourism plan and strategy. This process will begin in September 2021 and move forward till the end of the year.



Key Deliverables

This project will help the Town of Norman Wells and local community begin to establish a tourism identity, something that has not been the focus in recent years. This project builds the groundwork for this, by starting with signage and investing in its most popular attractions, that being the parks, mainly Jackfish Lake. Here are some key deliverables that will come from the success of this project:

- Signage to market key stops and points in the community
- Electronic signage that creates a new way for the town and local organizations to promote themselves

- Improved amenities at both town operated parks
- Improved infrastructure and safety at Jackfish Lake Park
- Opportunity for growth, both for tourism and attractions going forward

These new strategies will help grow tourism in Norman Wells, and creating new ways partnerships can form, and avenues to help visitors find their way to the Sahtu Region.

In conclusion, this plan is the right step for the town and the community to hit the ground running in improving its tourism identity. Through the signage and attractions investment, this will greatly add value to the tourism impact the Town of Norman Wells can generate here in the Sahtu. The successful completion of this project will help create the next steps for building on this identity and continuing the momentum to help bring visitors to the region.



Norman Wells Tourism Improvement Plan

INCOME		Budget	Actual	Difference
Internal Funding				
Department Budget	100,000			(100,000)
Customer Billing/Invoicing				-
Existing Revenue Streams				-
Other				-
Total Internal Income	100,000	\$	-	(100,000)
External Funding/Other				
Government Grants (CTIC)	100,000			(100,000)
Foundation Grants				-
Donations				-
Other				-
Total External Income	100,000	\$	-	(100,000)
Total INCOME	200,000	\$	-	(200,000)
EXPENSES		Budget	Actual	Difference
Project Costs				
Town Tourism Signage Program	45,000			45,000
Jackfish Lake Park Playground Improvements	42,550			42,550
Jackfish Lake Park Bathroom Improvements	43,050			43,050
Jackfish Park Lake Beach Improvements	5,400			5,400
Jackfish Park Lake Campsite Expansion	64,000			64,000
				-
				-
Subtotal	200,000	\$	-	200,000
				-
				-
				-
				-
				-
Subtotal	-	\$	-	-
				-
				-
				-
				-
				-
				-
Total EXPENSES	200,000	\$	-	200,000
NET (Income - Expenses)	-	\$	-	-



Town of Norman Wells Electronic Display

Date: February 18, 2021

Page 1 of 4



BLANCHETT NEON

Print Name: _____

Signature: _____

TERMS AND CONDITIONS:

1. **PRICE VALIDITY:** This quote is valid for thirty (30) days
2. **SURVEY:** The price is subject to final survey results & any additional requirements specific to the scope of work.
3. **DEPOSIT IF PURCHASING:**
 - 3.1. A minimum of 50% down upon signing of the contract is required with the remainder within 15 days of installation.
 - 3.2. For credit card deposits exceeding \$5000, a 3.0% processing fee will be charged.
4. **FINANCING OPTION:**
 - 4.1. Financing is available O.A.C Terms can be discussed with your Account Executive.
5. **EXCHANGE RATE:** Quote is based on 1.35 exchange rate for applicable products.
 - 5.1. Blanchett Neon will cover variations of up to .03 points of the quoted exchange rate. Any variation greater than .03 between the quoted exchange rate and Bank sell exchange rate at date of invoice(s) shall be applied to the Buyer's balance owed resulting in an extra cost in the event of a less favorable rate or a credit in the event of a more favorable rate.
6. **OWNER OR LANDLORD'S APPROVAL**
 - 6.1. Purchaser shall be responsible to obtain the written consent of any landowner or landlord of the Premises required to install and maintain the Display. Failure to obtain such consent will not relieve Purchaser from the performance of the terms of this Agreement.
7. **PERMITS:** This quote does include permitting fees as stated in above line item.
 - 7.1. Blanchett Neon will apply for and complete the standard signage permit application for the direct cost of the permit plus a \$500 administrative fee.
 - 7.2. BNL cannot be held responsible if a permit is not applied for. Any authorization or consent, including that of any governmental authority, required to install, maintain and operate the Display, with the exception of the initial application for the Permit (as hereinafter defined), shall be the responsibility of Purchaser, and failure to obtain or to continue such consent shall not relieve Purchaser from the performance of the terms of this Agreement.
 - 7.3. If permit is not approved, the client agrees to reimburse BNL for all out of pocket expenses incurred to obtain the Permit or any appeal by BNL arising out of such application.
 - 7.4. In the event Purchaser requests Vendor to manufacture and/or install the Display prior to obtaining the Permit, Purchaser shall be liable for the full Purchase Price even if the Permit is ultimately not obtained.
 - 7.5. Comprehensive Site Plans and Appeal costs are on a per project bases and costs will be determined at the time.
8. **ENGINEERING:** This quote does include engineering fees as stated in above line item. If required as part of the permit process, the following charges will apply:
 - 8.1. Engineered Stamped Drawings are an additional \$700 to \$1000.
 - 8.2. Land Survey Reports are typically an additional \$1200. Rates are subject to change.
 - 8.3. ASA engineering stamp is \$250.
9. **SITE ORIENTATIONS:** If required, a minimum 1-hour charge will be added to final invoice.
10. **SAFETY:** Blanchett Neon is COR Certified and installation crews adhere to Provincial Occupational Health and Safety guidelines. Blanchett Neon reserves the right to refuse any work deemed unsafe.
11. **ELECTRICAL:**



3M
certified



INTERNATIONAL SIGN ASSOCIATION

Phone (780) 453-2441 | Fax (780) 451-3438 | Toll-Free 1-800-226-6366 | Website blanchettneon.com

12850 St. Albert Trail, Edmonton, Alberta T5L 4H6



- 11.1 The client (Purchaser) is responsible, at its own expense, to supply and bring wiring of a suitable capacity, voltage and amperage, to the location and site of the Display.
- 11.2 The client (Purchaser) is responsible for completing the final electrical connections. The electrical connection must be completed under an electrical permit and must be performed by a licensed electrician.
- 11.3 The client (Purchaser) is responsible to meet all electrical code requirements of governmental authorities having jurisdiction over the Display.

12. RISK / INSURANCE

- 12.1 Purchaser assumes the entire risk of loss, theft of, damage to or destruction of the Display from any cause whatsoever commencing on the delivery of the Display to Purchaser.
- 12.2 Purchaser agrees that so long as there are funds owing under this Agreement, Purchaser shall: keep the Display in good and serviceable condition and repair and replace all missing, damaged or broken parts with parts of equal quality and value.
- 12.3 **Insurance** – While payment of any part of the Purchase Price remains outstanding and the display is under warranty.
 - 12.3.1. Purchaser shall insure and keep insured the Display under an insurance policy ("Customer's Insurance") for the full insurable value of the Purchase Price.
 - 12.3.2. Where the Display is damaged to an extent that in the opinion of its insurers it can be repaired economically, Purchaser shall make such repairs, and all amounts payable under the insurance policy shall be applied to the making of the repair. Vendor shall carry out repairs at its going rate.
 - 12.3.3. Where the Display is lost, stolen, destroyed or damaged to an extent, that in the opinion of its insurers, it cannot be repaired economically, the amounts payable under the insurance policy shall be paid to Vendor and any deficiency shall be paid by Purchaser to Vendor on demand.

13. INSTALLATION:

- 13.1. Purchaser shall select the location where the Display is to be erected.
- 13.2. Vendor does not warrant that the Display will at, or after the time of its erection, be free from obstruction or clearly visible.
- 13.3. Purchaser is responsible for line protection where positioning of the Display conflicts with encroachment restrictions imposed by any governmental authority.

14. FOUNDATIONS:

- 14.1. BNL and Purchaser agree that if soil conditions at the site of construction should significantly differ from that which Vendor might have reasonably anticipated, then, Purchaser shall pay to Vendor its actual increased cost of installing the Display by reason of the difference in the soil conditions.

15. ARTWORK:

- 15.1. Final dimensions and material types used will be subject to final construction drawings and site survey information.
- 15.2. Actual colors of provided artwork may vary slightly due to the translucency of acrylic plastics and paints. Due to limitations, the colors shown on the artwork may vary from the actual hue.

16. WARRANTY:

- 16.1. Blanchett Neon Limited's standard warranty is one-year on all manufactured parts and labor. Warranty period will commence upon receipt of final invoice.
- 16.2. Blanchett Neon will endeavor to complete all product deficiencies within 30 working days.
- 16.3. Electronic Message Centre warranties vary per manufacturer. Details are available from Blanchett Neon on a per quote basis.

17. ACCESS & DELAYS:

- 17.1. Force Majeure: Vendor shall not be responsible for cancellation or delay in delivery or performance resulting from causes beyond its reasonable control, including, but not limited to: acts of God; strikes



INTERNATIONAL SIGN ASSOCIATION

Phone (780) 453-2441 | Fax (780) 451-3438 | Toll-Free 1-800-226-6366 | Website blanchettneon.com

12850 St. Albert Trail, Edmonton, Alberta T5L 4H6



or other labour disturbances; delays by other trades on-site; equipment failure; delays in transportation; inability to obtain fuel, material, or parts; war; acts of terrorism; riot; epidemics; floods; fires; unusually severe weather conditions; accidents; or other contingencies the non-occurrence of which was a basic assumption on which the purchase order was made.

- 17.2. The Purchaser is responsible to arrange security, parking and building access. Any downtime costs due to arrangements not being made may result in additional charges.
- 17.3. Suitable site conditions for the operation of equipment is required. Charges may be applied if additional equipment is required due to poor site condition (rig mats, etc.).
- 17.4. BNL reserves the right to invoice for manufactures costs incurred if installation is delayed by the customer.
- 17.5. Storage fees may be applicable if installation is delayed by the customer.

18. BUSINESS HOURS:

- 18.1. Service and Installation regular working hours are 7:30am to 4pm, Monday to Friday.
- 18.2. If work is required outside of these hours, additional charges may be applicable.



INTERNATIONAL SIGN ASSOCIATION



Invoice #2620

2021-01-28

Prepared For:

Town of Norman Wells
#3 Mackenzie Drive
PO Box 5,
Norman Wells, NT XOE 0V0

Alex

Phone: 1-867-587-3700

Fax:

Alt. Phone:

Email: towninformation@normanwells.com

Prepared By:

Derek Burns
Capital Signs Ltd.
PO Box 1793
108C Curry Drive
Yellowknife, NT X1A 2N4 Canada

Phone: 867-920-7446

Fax:

Alt. Phone: 867-445-9382

Email: signs@capitalsignsltd.ca

Description: 8'x4' Aluminum Dibond Signs

Estimated Time For Production: 5 working days

Quantity	Description	Each	Total	Taxable
8	96.00 in x 48.00 in Arizona Gloss White Perment Adhesive 3mil Top laminated with 2mil Fluoropolymer Film - Anti-Graffiti Film Mounted on White Dibond 3mil 8'x4' Aluminum Dibond Signs	540.4200	\$4,323.36	✓
2	Setup - to get files print ready for our printers	109.37	\$218.74	✓
		Subtotal	\$4,542.10	
		GST	\$227.11	
		Total	\$4,769.21	

Terms: This estimate good for 30 days. 50% Deposit is required upon signing off on proofs - Full payment net 15 days.
GST:79023 8497 RT0001

Shipping charges not included in Final Pricing. By my signature, I authorize work to begin and agree to pay the above amount in full according to the terms on this agreement.

GST:79023 8497 RT0001

Signed by	Date	Amt. Paid Today
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Alex Millette

From: David Hodgson <DavidH@hrncontracting.com>
Sent: September 10, 2020 4:07 PM
To: Alex Millette
Cc: Chris Chivers
Subject: Play Ground Sand

Good afternoon Alex,

HRN can supply 49 Tons of (49,140 kg) of bagged Silica ABR 12-50-BB-MT Playground Sand for \$42,550.00
We will ensure product is available and bring it up on the 2021 winter road season.

Please advise,

Regards,

David Hodgson
President
HRNContracting LTD.

Phone: 867-587-2168
Cell: 780-446-8917
Fax: 867-578-3015
Email: Davidh@hrncontracting.com

PO Box 329
Norman Wells, NT
XOE OVO

Alex Millette

From: Gary Mickalyk
Sent: February 22, 2021 1:29 PM
To: Alex Millette
Subject: FW: quote on 4' x 8' double trailer unit
Attachments: CCE_000225.pdf

From: Straight Flush Rentals <straightflush@xplornet.com>
Sent: January 18, 2021 11:40 AM
To: Gary Mickalyk <PublicWorksForeman@normanwells.com>
Subject: quote on 4' x 8' double trailer unit

Hello Gary,

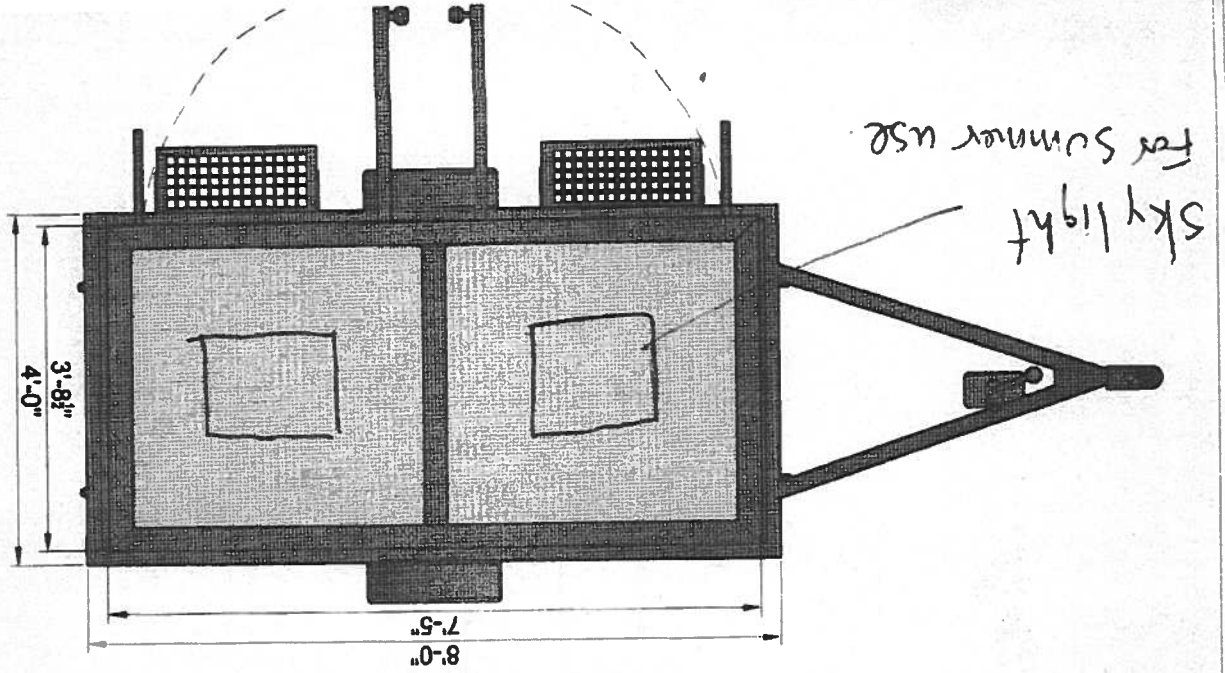
The price is \$27,500 plus GST.
Customer is responsible to pick up in Edmonton Alberta once completed.

Requires 50% deposit prior to starting and balance upon completion.

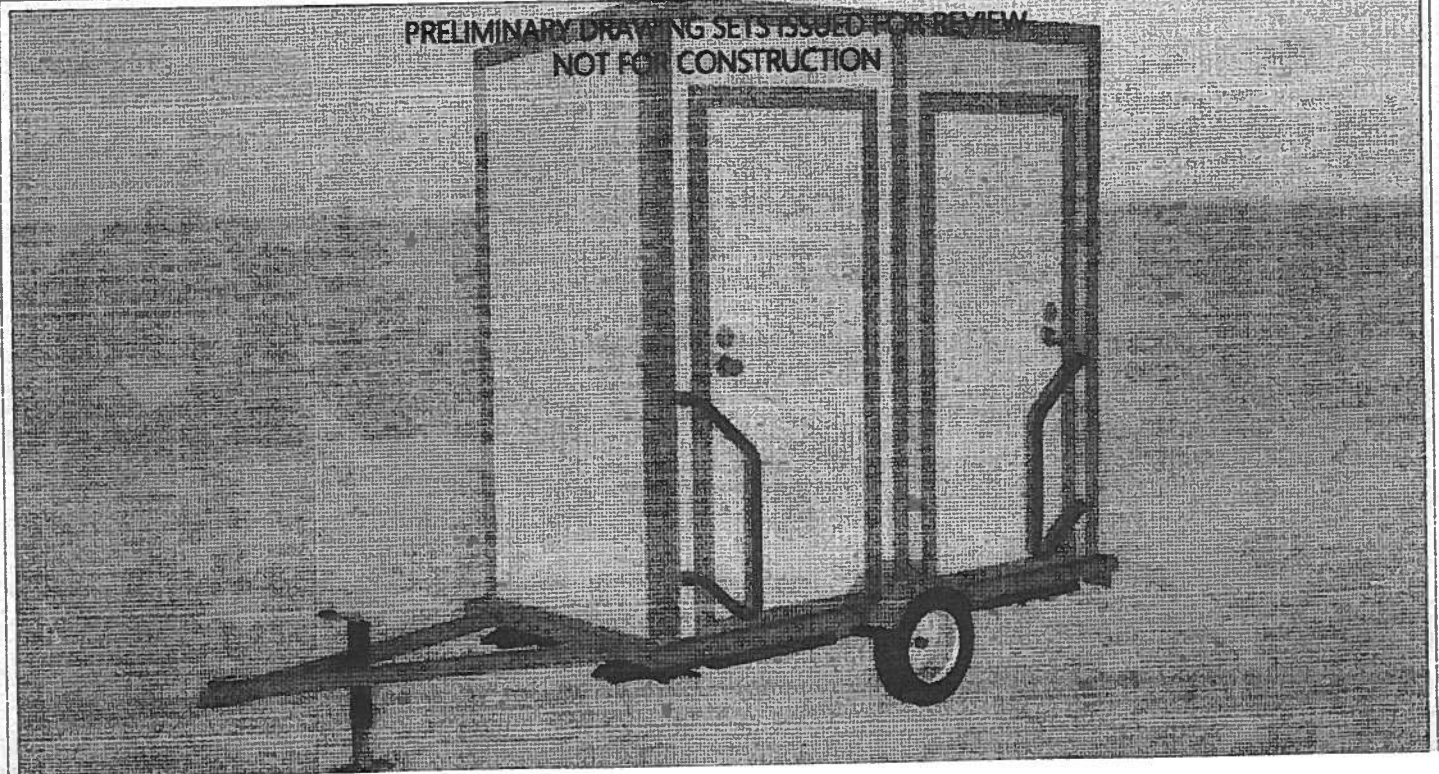
Thank You!
Have a great day!

Drake Whitney
Office | Sales | 403-371-9991
Straight Flush Rentals – Toilets – Bins – Fencing – Water Hauling
www.straightflushrentals.com

PRELIMINARY DRAWING SETS ISSUED FOR REVIEW
NOT FOR CONSTRUCTION



PRELIMINARY DRAWING SETS ISSUED FOR REVIEW
NOT FOR CONSTRUCTION



Pete Rose's Welding Ltd.
Po box 72
Norman Wells, NT
X0E 0V0
Ph. (867) 587-2005
Cell. (867) 446-2639
email. peterwolfrose@yahoo.ca

Quote for guardrail at Jackfish lake dock area.

Material and paint	\$1,200.00
Labour for fabrication, painting and installation.	\$4,200.00
Total	\$5,400.00

Railing will be 36" high made from 2.5" pipe.
1/8" Aluminum sheet will be used for the pannels.
The steel will be painted before installing the aluminum
pannels. This will add a huge safety factor for the dock
area and especially for people with small children.

X  Feb. 13/21

Alex Millette

From: Kyle Wright <Kyle@nrcl.ca>
Sent: March 12, 2021 4:16 PM
To: Alex Millette
Subject: RE: Jackfish Campsite Expansion

Hi Alex,

As per our discussion I have completed an estimate for the jackfish lake campground extension.

Mulch project area
Lay geotextile
Construct two 14mX14m gravel pads
Construction gravel access road 4mX30m to new sites

Total estimate is \$63,306.16

Material volume included in this is;

824.8 MT	Limestone residual rock
97.7 MT	¾" crushed limestone

Please don't hesitate to give me a call if you have any questions.

Cheers,

Kyle Wright
General Manager
Northridge Contracting Ltd.
PO Box 351 - 12 Mackenzie Drive
Norman Wells, NT X0E0V0
Cell: (867) 688-0264
Office: (867) 587-2050
Fax: (867) 587-2781
E-mail: kyle@nrcl.ca



From: Alex Millette <recreationmanager@normanwells.com>
Sent: March 10, 2021 4:23 PM
To: Kyle Wright <Kyle@nrcl.ca>
Subject: RE: Jackfish Campsite Expansion

Perfect! Thanks Kyle.

Brief Project Outline (Jackfish Lake Campsite Upgrade/Road Repairs)

Step 1:

- Mulch one side of the road leading up to jackfish lake, wherever needed.
- Mulch the road and parking lot extension
- Mulch the proposed campsite/ day use areas
- Mulch the other side of the road leading up to jackfish lake, wherever needed.

*Note – The mulcher is dangerous so the road will need to be closed (with someone ensuring that no one goes on it) during this work

Step 2:

- Being laying Geotextile onto road/parking lot as needed
- Mobilize Spreaders/Dozers to jackfish lake
- Begin hauling Residual rock for the road/parking lot extension
- Spread residual, build road/parking lot
- Begin hauling $\frac{3}{4}$ inch gravel
- Spread gravel, finish road/parking lot
- Mobilize compactor (can also be used by same tractor that uses the mulcher)
- Compact road/parking lot

Step 3:

- Lay Geotextile onto campsites/day use area as needed
- Begin hauling residual rock to campsites
- Spread residual, build campsites/day use areas
- Begin hauling $\frac{3}{4}$ inch gravel
- Spread gravel, finish campsites/day use areas
- Compact campsites/day use areas
- Compact new road once more

Step 4:

Now that the campsites are completed the regular road repair can be done on the existing road that leads up to jackfish.

These repairs will required culverts to be installed in some places, new gravel to be added and compactor work to be done as well.

Overall:

Work up to the top with the mulcher, clear out new campsites, work back to the bottom.

Haul foundation material to build a new road with more campsites and larger parking space.

Repair existing road starting at the top and working towards the bottom.

You will then be left with triple the campsites and a brand new road that no big trucks have driven on.

Proposed Jackfish Lake Camp Site Upgrade/Road Repair

1. Mulch Required Area
2. Lay Geotextile on camp sites
3. Fill with Residual Rock, Spread



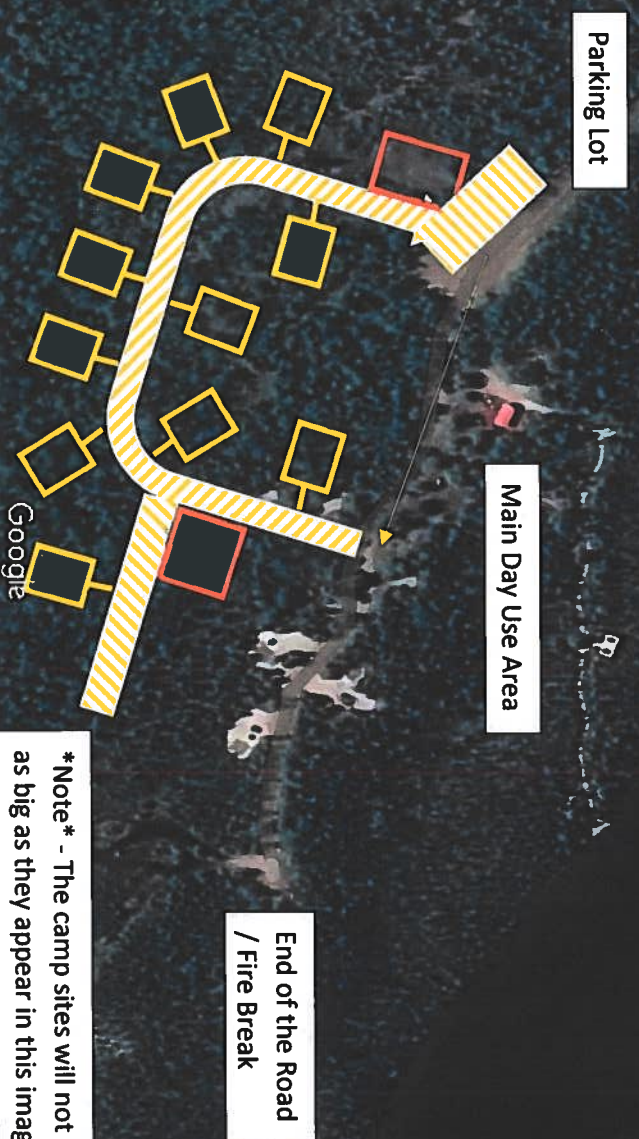
Road (Extension of Existing)

Overnight Camp Site (11 Sites)

Day Camp Area/Family Camp Site (2 Sites)

4. Fill with $\frac{3}{4}$ Crushed Gravel, Spread

5. Compact with vibratory drum



* Note* - The camp sites will not be as big as they appear in this image.

Other work that can be done as a part of this project:

*Mulching on the sides of the existing road – increase visuals for drivers, increases safety (All mulching can be done first)

*Repair to the main road leading up to Jackfish Lake - increases safety and accessibility (These repairs should be done after the campsite project, as the amount of hauling required would be hard on the road and it would need to be repaired afterwards anyway)

Check the brief project outline for a better detailed description

