Agenda 24-01

Regular Meeting of the Council of the Village of Carmacks, Yukon to be held in the Council Chambers of the Carmacks Municipal Building at 7:00 PM on Tuesday, January 9, 2024.

1. CALL TO ORDER

2. AGENDA (motion to adopt)

3. ADOPTION OF MINUTES

(motion to adopt)

3.1 Regular meeting of December 19, 2023

4. **DELEGATION**

4.1 RCMP

5. CORRESPONDENCE

- 5.1 FCM MAMP Compliance Letter
- 5.2 Morrison Hershfield Carmacks Preliminary Flood Mitigation Study
- 5.3 ATCO Brush Work
- 5.4 YG Environment Our Clean Future Annual Report 2022 Summary
- 5.5 Minister Mostyn Mayor's Dinner Invitation

6. REPORTS

- 6.1 Council Activity Reports
- 6.2 Mayor Report
- 6.3 Recreation Department Report
- 6.4 Public Works General Manager Report
- 6.5 Finance Report
- 6.6 CAO Report
- 6.7 AYC

7. ACCOUNTS PAID AND PAYABLES

8. BYLAWS (motion to adopt)

9. NEW & UNFINISHED BUSINESS

10. QUESTION PERIOD

11. INCAMERA (motion to go in and out of session and recorded time)

12. ADJOURNMENT

MINUTES FROM THE REGULAR MEETING OF THE COUNCIL FOR THE VILLAGE OF CARMACKS ON DECEMBER 19, 2023 IN THE MUNICIPAL COUNCIL CHAMBERS

PRESENT: Mayor: Lee Bodie

Councillors: J. Lachance, D. Hansen, D. Mitchell, H. Belanger (phone)

Staff: CAO M. Cybulski, L. Snyder, A. Wylimczyk

Delegation:

ORDER: Mayor L. Bodie called the meeting to order at 7:00 PM.

AGENDA: Council reviewed the agenda.

23-24-01 M/S Councillors H. Belanger/D. Mitchell motioned that the agenda be accepted as presented.

CARRIED

MINUTES: From the regular meeting on December 5, 2023.

23-24-02 M/S Councillors J. Lachance/D. Hansen motioned that the minutes be accepted as presented.

CARRIED

DELEGATION:

CORRESPONDENCE:

None.

REPORTS:

Councillor Activity Reports

Councillor D. Hansen attended the Budget meeting on December 12, 2023.

Councillor D. Mitchell said that it will take a while to adjust being a councillor and that he received numerous complaints from community members about the Rec-centre staff.

Councillor J. Lachance missed the Budget meeting and is working with the CMHA whis

has received a lot of donations. He is looking forward to seeing the fireworks on New Years Eve and attended the funeral of the late Earl Fields.

There was a one minute of silence to honor and remember former Mayor and community member Earl Fields.

Councillor H. Belanger has nothing to report.

Mayor's Report

Mayor L. Bodie attended the Budget meeting on December 12, 2023.

He was unable to attend the funeral and is busy at work like usual.

CAO Report

CAO M. Cybulski took some time off work but provided council with an update on the CMHC funding project.

Municipal Maintenance Report

None

Fire Department Report

None

AYC Report

Councillor D. Hansen mentioned that the AYC December meeting was cancelled.

ACCOUNTS PAID AND PAYABLES

Council read the report provided.

BYLAWS

8.1. By-Law 295-23 - Service Rates By-law -

23-24-03 M/S Councillors J. Lachance/H. Belanger motioned to give By-law 295-23
- Service Rates By-law 2nd reading.

CARRIED

- 23-24-04 M/S Councillors H. Belanger/J. Lachance motioned to give Bylaw 295-23
 - Service Rates By-law -3^{rd} and final reading.

CARRIED

- 8.2. By-Law 296-23 Provisional O&M Budget 2024 –
- 8.3. By-Law 297-23 Provisional Capital Budget 2024 –

As per the Yukon Municipal Act a By-Law to approve the budgets is not required.

23-24-05 A motion was made to approve the Provisional O&M Budget 2024 by text.

CARRIED

NEW AND UNFINISHED BUSINESS

9.1. Regularly Scheduled Council Meetings 2024

Council decided to move the January Council meetings to the 2nd and 4th Tuesday of the month which will be January 9th and 23rd, 2024. All other meetings are scheduled for the 1st and 3rd Tuesday of the month as usual.

QUESTION PERIOD

No questions from the public.

IN-CAMERA

Motion to move into Closed Meeting in accordance with the Yukon Municipal Act, Section 213 (3) (a) if in the case of a council, the council decides during the meeting to meet as a council committee to discus a matter;

23-24-06 M/S Councillors D. Hansen/J. Lachance motioned to go into In-Camera at 7:29 PM.

An In-camera discussion by Council regarding a Human Resources matter.

23-24-07 M/S Councillors J. Lachance/D. Hansen motioned to go out of In-camera at 7:53 PM.

ADJOURNMENT

23-24-08	M/S Councillor	H. Belanger	motioned to a	djourn the m	eeting at 7:54 PM.

Mayor L. Bodie adjourned the meeting at 7:54 PM.								
Mayor Lee Bodie	CAO Matthew Cybulski							



President Président

Scott Pearce

Mayor Township of Gore, QC

Maire Municipalité du Canton de Gore (Qc)

First Vice-President Premier vice-président

Geoff Stewart

Deputy Mayor Municipality of the County of Colchester, NS

Maire suppléant Municipalité du Canton de Colchester (N.-É.)

Second Vice-President Deuxième vice-présidente

Rebecca Bligh

Councillor City of Vancouver, BC

Conseillère municipale Ville de Vancouver (C.-B.)

Third Vice-President Troisième vice-président

Tim Tierney

Councillor City of Ottawa, ON

Conseiller municipal Ville d'Ottawa (Ont.)

Past President Présidente sortante

Taneen Rudyk

Councillor Town of Vegreville, AB

Conseillère municipale Ville de Vegreville (Alb.)

Chief Executive Officer Cheffe de la direction

Carole Saab Ottawa, ON

24, rue Clarence Street Ottawa, Ontario, KIN 5P3

T. 613-241-5221

fcm.ca

November 20th, 2023

Village of Carmacks Matthew Cybulski, CAO PO Box 113 Carmacks, Yukon Y0B 1C0

Project: 17129

Matthew Cybulski,

We recently completed the audit of the expenses incurred by the Village of Carmacks. The goal of this audit was to assess and confirm compliance with the terms and conditions of the grant agreement with the Federation of Canadian Municipalities.

We are pleased to confirm that the expenses submitted meet the requirements described in Part 4 of Schedule C and section 9.01 of the Grant Agreement contract.

FCM is a proud partner providing funding, training, and resources to help municipalities make informed infrastructure investment decisions based on sound asset management practices. We want to thank you for partnering with FCM.

Sincerely,

Viviane Rossini

Finance Manager, Programs



REPORT

Carmacks Preliminary Flood Mitigation Study

Carmacks YT

Presented to:

Micheal Ukrainetz Senior Project Manager

Government of Yukon Community Services Infrastructure Development Branch

Project 220259700

December 1, 2023

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APPENDIX A: Maps

APPENDIX B: Photographs

APPENDIX C: Conceptual Design Drawings

APPENDIX D: Class D Cost Estimate



1. INTRODUCTION

Morrison Hershfield (MH) was retained by Yukon Government Infrastructure Development Branch (YG-IDB) to complete a preliminary flooding vulnerability and mitigation study in Carmacks, Yukon. The study area included the Village of Carmacks and adjacent developed settlement lands of Little Salmon Carmacks First Nation (LSCFN). This study follows highwater levels which occurred on the Yukon River at Carmacks during the summers of 2021 and 2022.

The scope of the project includes:

- Preparation of preliminary flood maps based on existing data sources.
- Field assessment of vulnerable infrastructure in the community.
- Ranking of vulnerabilities and assessment of one or two priority sites for mitigation.
- Conceptual designs for chosen mitigation sites.
- Class D cost estimate for mitigations.



2. FLOOD VULNERABILITY

2.1 Flood Return Periods

MH prepared updated water-level return period analysis for the Yukon River at Carmacks in 2021 using data from the Water Survey of Canada station in the vicinity of the Klondike Highway bridge. The results of the analysis gave a 20-year return flood level of 521.57 m and a 200-year flood level of 522.54 m at the WSC station.

River level profiles downstream of the WSC station were developed from surveys completed by Underhill Geomatics in 2019, 2021 and 2022. Surveyed water level results are shown as points in the figure below:

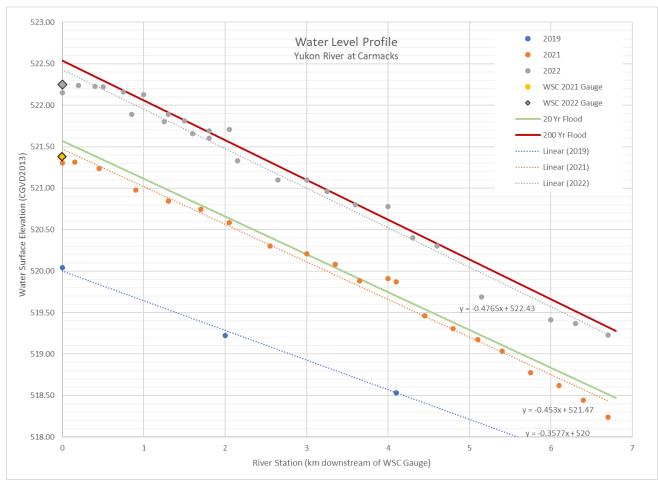


Figure 1 Water level profiles for Yukon River at Carmacks



2.2 Mapping

Preliminary flood maps have been prepared using manual topographic interpretation, showing areas subject to flooding at the 20-year and 200-year levels. These maps are based on topography from YG LiDAR data and no field surveys were completed. Note that these maps only reflect Yukon River flooding and do not include flooding caused by the Nordenskiold River. Preliminary flood maps are included in Appendix A.

2.3 Assessment of Vulnerabilities

Properties and infrastructure vulnerable to Yukon River flooding were identified during field observations collected on June 28, 2022, near the peak flood level of that summer. Summer 2022 levels were at or near the interpreted 200-year flood level. The resulting areas are summarized in Table 1.

The scope of this current study was to select up to two of these sites for a conceptual design of flood mitigation measures. Final selection of the sites will be made in discussion with VoC and LSCFN. Recommended candidates are:

- 1. River Drive west. This section of road provides critical access to subdivisions on the west side of the Nordenskiold River and was the site which required the most significant temporary measures in 2021 and 2022.
- 2. LSCFN Lower Bench. Access to a number of houses along the riverbank was disrupted in 2022, along with possible damage to the structures.



Table 1 Properties and infrastructure observed vulnerable to flooding in Carmacks

Vulnerability	Flooding Hazard	Photos	Potential Flooding Impacts	Potential mitigations	Notes	
River Drive (west)	Summer / Yukon R	1, 2	Loss of access to subdivisions west of Nordenskiold, some houses possibly affected	Raise road elevation Improve drainage	Diking not currently proposed because extensive groundwater flooding will circumvent the dike.	
River Drive (east)	Summer / Yukon R	3	Loss of access to park & tourist information centre	Reroute access through former HPW yard Raise road elevation	Impact may be greater depending on future land uses in this area	
Lift Station	Summer / Yukon R	4	Pumping capacity overwhelmed due to high inflows from sump pumps	Increase pumping capacity Preparation for emergency backup pumps	Likely to be replaced in conjunction with WWTF replacement during next 5 yrs	
LSCFN Lower Bench	Summer / Yukon R	5, 6	Roads and houses vulnerable to flooding (no crawl spaces)	Raise road Raise housing Keep holding tanks above ground in this area Possible berm	Provide recommendation for minimum elevation for future development. Raise road to provide emergency access.	
Nordenskiold River Bridge	Breakup / Nordenskiold	7	Damage to bridge structure during ice jamming	Raise bridge	Independent issue - would require ice jam study	
Residence by Nordenskiold River	Breakup / Nordenskiold	8	Flooding of house (no crawl space observed)	Continue use of sandbags and temporary berms as required	Flooding risk more likely associated with Nordenskiold R.	
Merv 2 Park	Both	9	Flooding of cabin and parkland	Continue use of sandbags and temporary berms as required		
Boardwalk and Pocket Park	Summer / Yukon R	10, 11	Loss of amenity to residents. Possible damage to structure during high water	Raise boardwalk or make boardwalk flood resilient	VoC has existing plans for boardwalk improvements	
Below-grade spaces in structures near River Dr	Summer / Yukon R		Damage to housing	Regrade ditches Provide minimum elevation for flood proofing of future developments & existing properties.	Existing project underway to rehabilitate ditches and culverts	



3. CONCEPTUAL MITIGATION OPTIONS

3.1 River Drive

This mitigation would involve raising a section of River Drive over an approximately 600m length to above the 200-year return level for Yukon River flooding. The raised road would ensure both lanes of the road would remain open during flooding, ensuring access for emergency vehicles and improving connectivity for residents. The design is constrained by:

- 1. Remaining within the existing right-of-way (where feasible) on the southern side and avoiding the need for instream works in the northern (river) side.
- 2. Maintaining space for the boardwalk or a multiuse path on the northern shoulder.

The conceptual design for the River Drive grade raise features a two-lane cross-section with 5.5 m lane widths, including shoulders, and a 2% crossfall that is crowned from the roadway centerline. The road structure at this stage assumes 150 mm of granular base course and bituminous surface treatment. The west end of the road also includes a raised bench to accommodate a 2 m wide boardwalk. To enhance local drainage, v-ditching on the south side of the road is proposed. Ditch height varies to achieve longitudinal grades, but a minimum depth of 0.6 m has been considered. Fill slopes consist of 3.0H:1V for the road embankment, 2.0H:1V for the boardwalk platform and ditch cut slopes are 2H:1V. These slopes were chosen to balance slope stability, roadside safety and minimize the roadway footprint.

3.2 LSCFN Lower Bench

Several residences in close proximity to the Yukon River on the LSCFN Lower Bench were impacted by flooding in 2022. The residences are constructed on shallow strip-footing foundations and the structures themselves were above the high-water level. However, the access roads and grounds of the residences were flooded. This mitigation would raise a 400m section of the street to above the 200-year flood level, ensuring access to residences remained during flood events.

The conceptual design for Lower Bench Road grade raise features a two-lane cross section with 3.5 m lane widths, and a 2% crossfall that is crowned from the roadway centerline. The same road structure as River Drive has been considered at this stage, however, surfacing type will need to be confirmed in the future. Like above, roadway drainage is facilitated by v-ditching on the north side of the road, using a minimum ditch height of 0.6 m. Fill slopes consist of 3.0H:1V for the road embankment and ditch cut slopes are 2H:1V.



3.3 Class D Cost Estimate

Class D construction cost estimates for the anticipated scope of work on River Drive and Lower Bench Road, including 25% contingency, are shown in Table 2 below. More detailed item breakdowns are included in Appendix D.

Table 2 – Class D Cost Estimates

	CAPITAL COST ESTIMATE SUMMARY TABLE								
	River Drive	Lower Bench Road							
Estimated Tender Cost Total (2023\$)	\$731,400	\$190,500							
25% Contingency	\$182,900	\$47,700							
Estimated Total Cost (2023\$)	\$914,300	\$238,200							



4. CONCLUSIONS AND RECOMMENDATIONS

The updated water-level return period analysis for the Yukon River at Carmacks and corresponding preliminary flood mapping allows identification of vulnerable properties and infrastructure in the area during a flooding event. This assessment was used to prioritize two sites for flood mitigation measures.

River Drive (West) was chosen as it provides critical access to the west side of the Nordenskiold River, and it was the site which required the most significant temporary measures in 2021 and 2022. LSCFN Lower Bench Road was also chosen as it provides access to several residences along the riverbank was disrupted in 2022, along with possible damage to the structures.

It was determined that a road profile or grade raise at both road locations was the most practical engineering concept for further development. A conceptual road design was carried out to ensure the minimum road elevation is above the 200-year return level for Yukon River flooding. The proposed road raise would ensure both lanes of the road would remain open during flooding, ensuring access for emergency vehicles and improving connectivity for residents.



5. CLOSURE

Government of Yukon retained Morrison Hershfield to conduct the work described in this report, and this report has been prepared solely for this purpose.

Morrison Hershfield does not accept responsibility for the use of this report for any purpose other than that stated above and does not accept responsibility to any third party for the use, in whole or in part, of the contents of this document. This report should be understood in its entirety, since sections taken out of context could lead to misinterpretation.

Morrison Hershfield Limited

Prepared by:

Reviewed by:



Kyle Power, P.Eng.

Forest Pearson, P.Eng.



REFERENCES

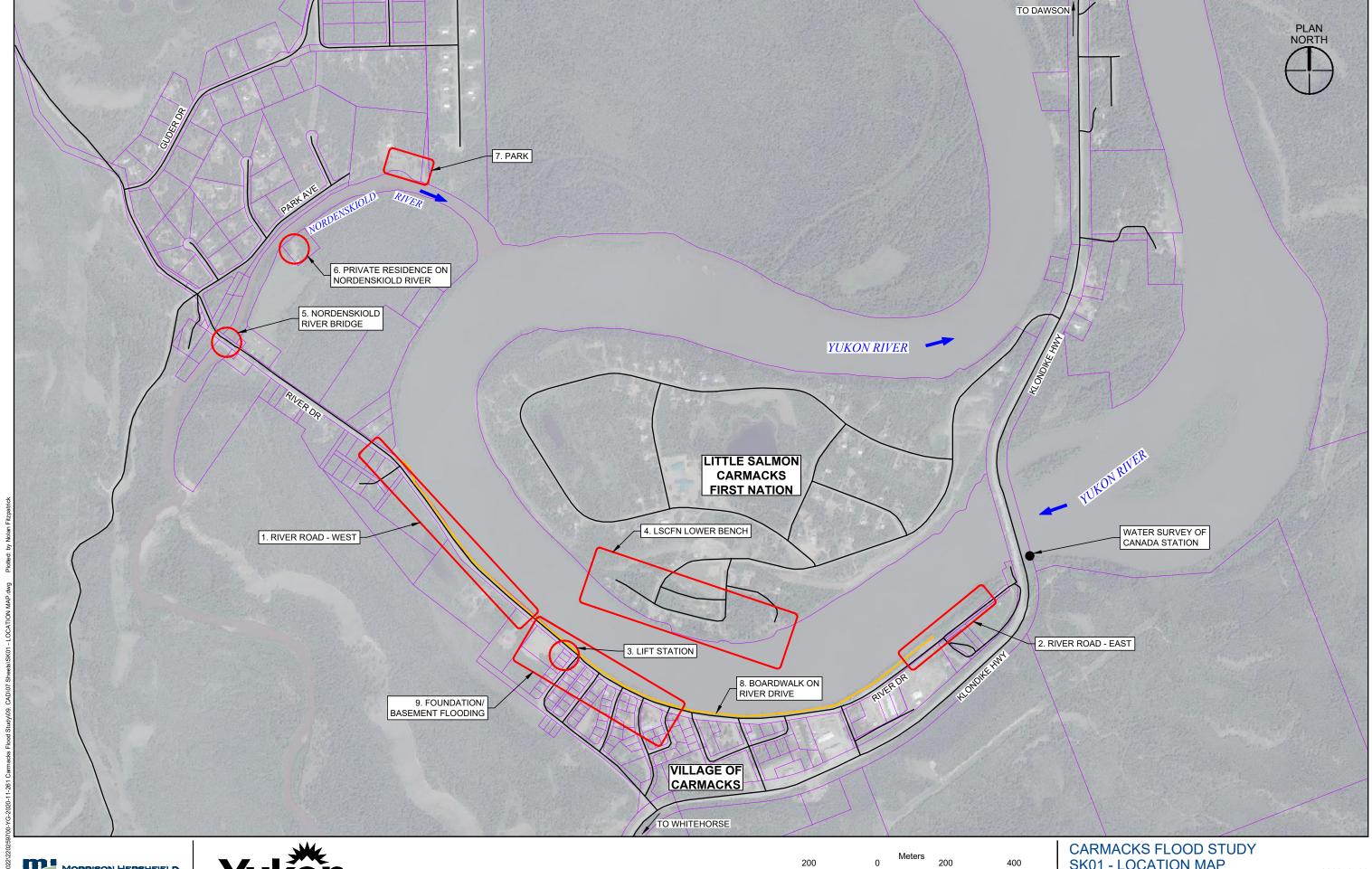
Morrison Hershfield, 2021. Water Level Analysis for Yukon Communities. Presented to Water Resources Branch, Environment, Government of Yukon.

Turcotte, B. Saal, S., Horton, B., 2021. Preliminary assessment of flood exposure for future development areas in Dawson and Carmacks. Presented to Land Development Branch, Community Services, Government of Yukon. YukonU Research Centre, Yukon University.



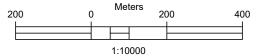
APPENDIX A: Maps





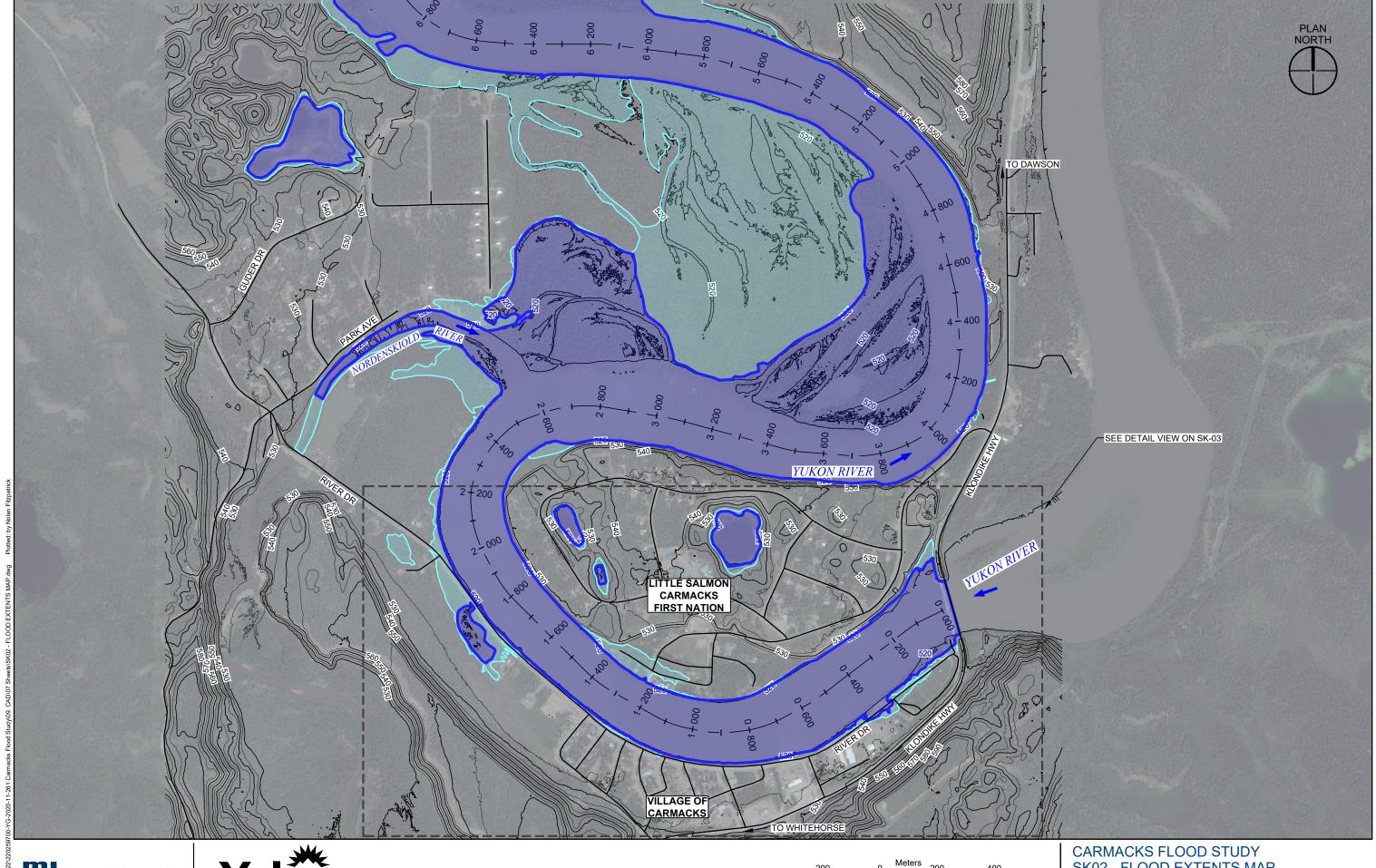
MORRISON HERSHFIELD





SK01 - LOCATION MAP

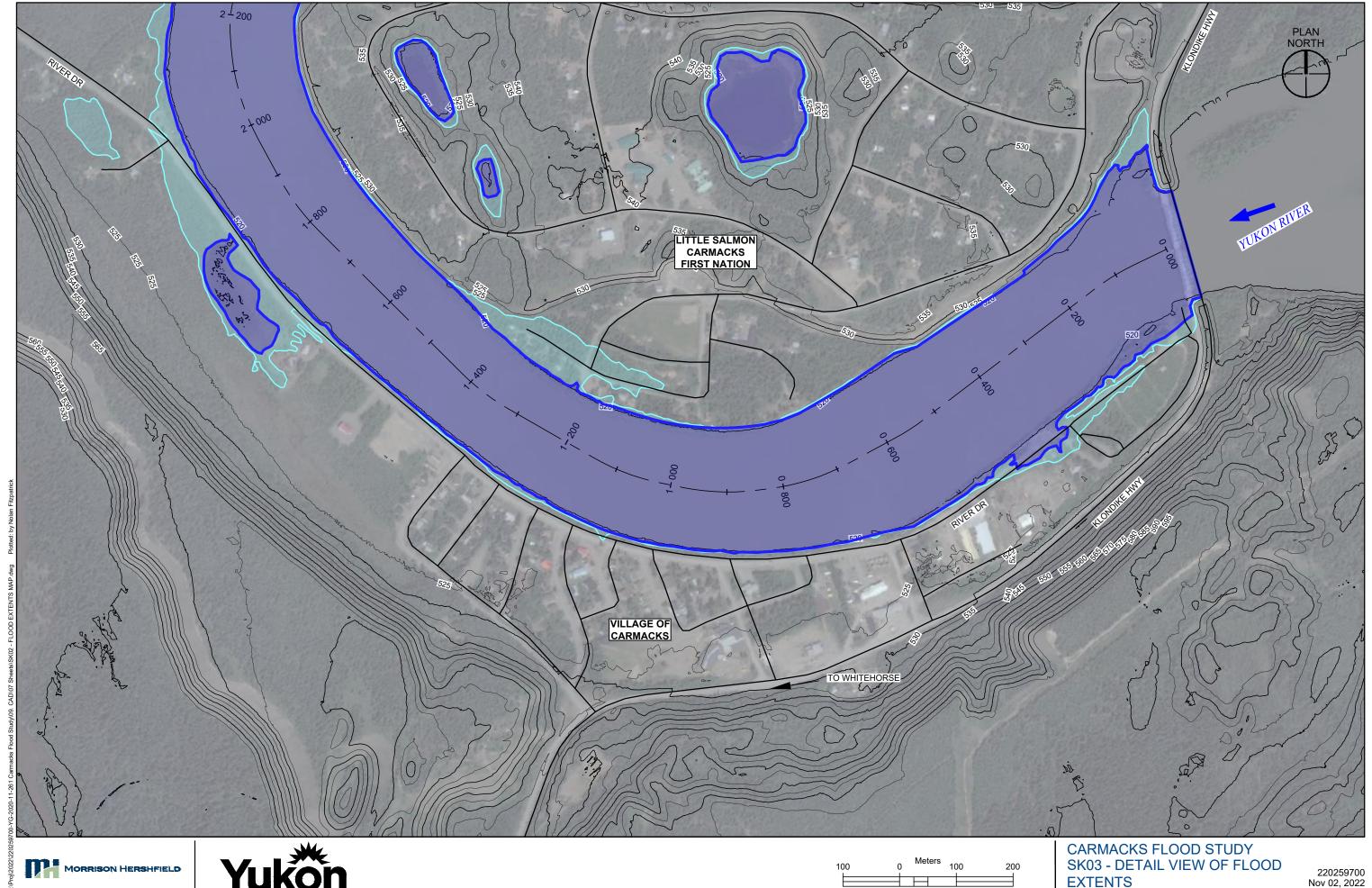
SCALE 1:10,000



MORRISON HERSHFIELD



SK02 - FLOOD EXTENTS MAP



EXTENTS SCALE 1:6,000

APPENDIX B: Photographs





Photo 1. River Drive looking East, 28-JUN-2022.



Photo 2. Diesel pump setup at location of culverts under River Drive, 28-JUN-2022.



Photo 3. Eastern extent of River Drive, 28-JUN-2022.



Photo 4. Wastewater lift station adjacent to River Drive and diesel pump as emergency backup, 28-JUN-2022.



Photo 5. Residential street in LSCFN lower bench, 28-JUN-2022.



Photo 6. Residence and temporary flood protection in LSCFN lower bench, 28-JUN-2022.



Photo 7. Nordenskiold River bridge looking East, 28-JUN-2022.



Photo 8. Residence on eastern bank of Nordenskiold River, 28-JUN-2022.



Photo 9. Nordenskiold River bridge looking East, 28-JUN-2022.



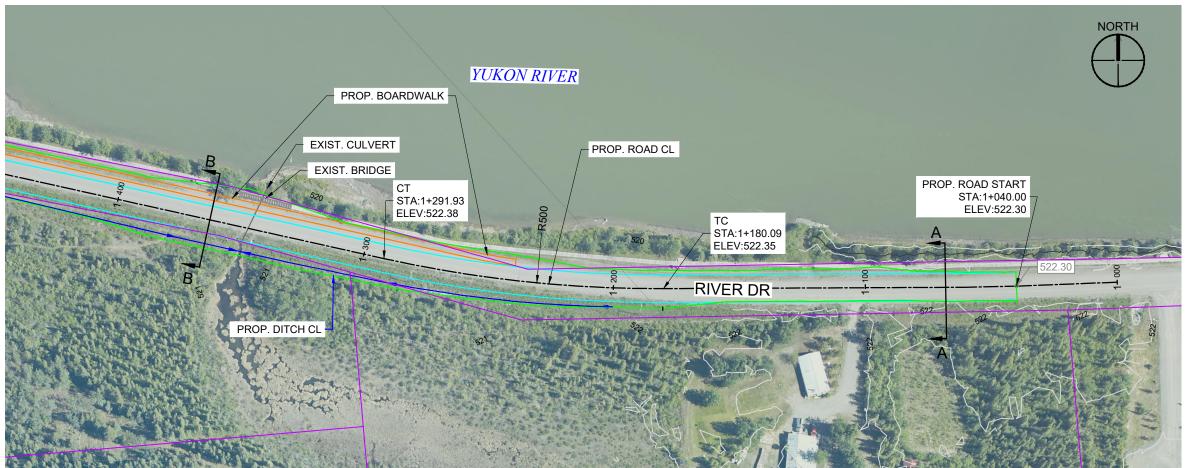
Photo 10. Eastern end of boardwalk, 28-JUN-2022.



Photo 11. Pocket park, 28-JUN-2022.

APPENDIX C: Conceptual Design Drawings

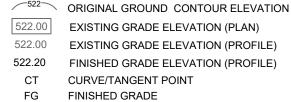




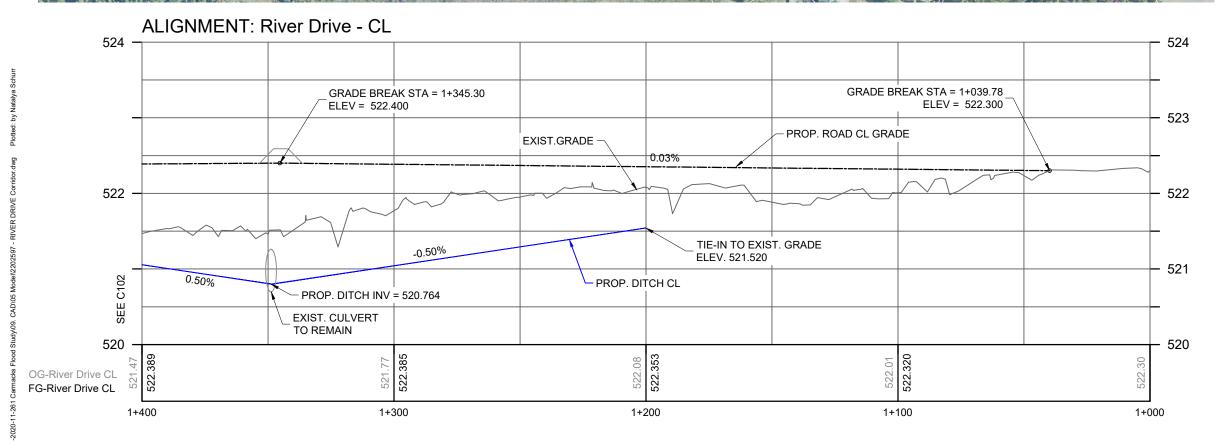
NOTES:

1. SEE SHEET C102 FOR TYPICAL SECTIONS.

LEGEND:



OG ORIGINAL GROUND
TC TANGENT/CURVE POINT

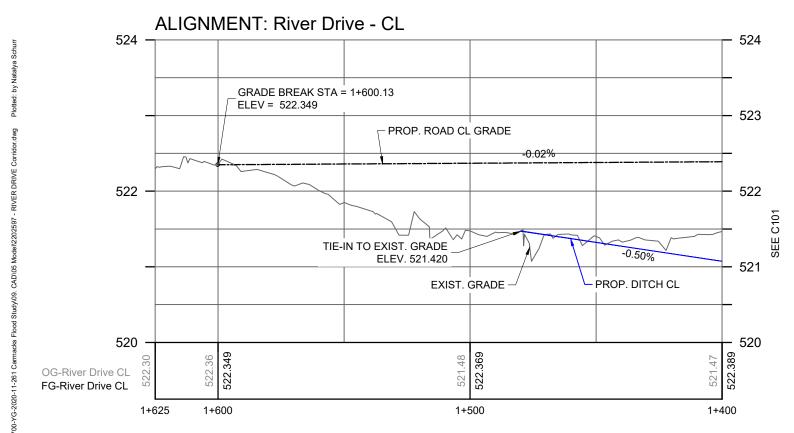


CONCEPTUAL DESIGN









NOTES:

1. REFER TO PLAN AND PROFILE DETAILS FOR LOCATIONS OF DITCHES AND DESIGN INVERT ELEVATIONS.

LEGEND:

ORIGINAL GROUND CONTOUR ELEVATION

522.00 EXISTING GRADE ELEVATION (PLAN)

522.00 EXISTING GRADE ELEVATION (PROFILE)

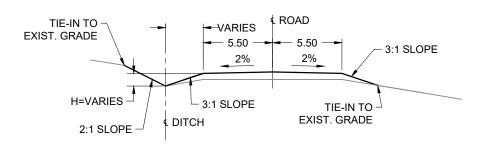
522.20 FINISHED GRADE ELEVATION (PROFILE)

CT CURVE/TANGENT POINT

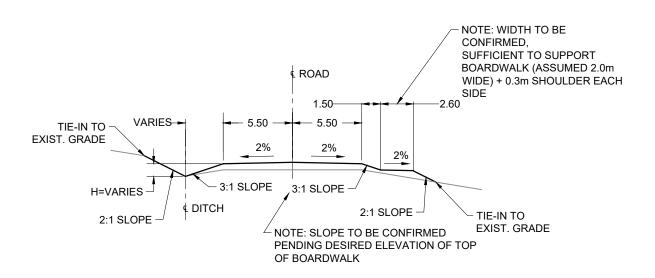
FG FINISHED GRADE

OG ORIGINAL GROUND

TANGENT/CURVE POINT



ROAD TYPICAL CROSS-SECTION A-A SCALE: NTS

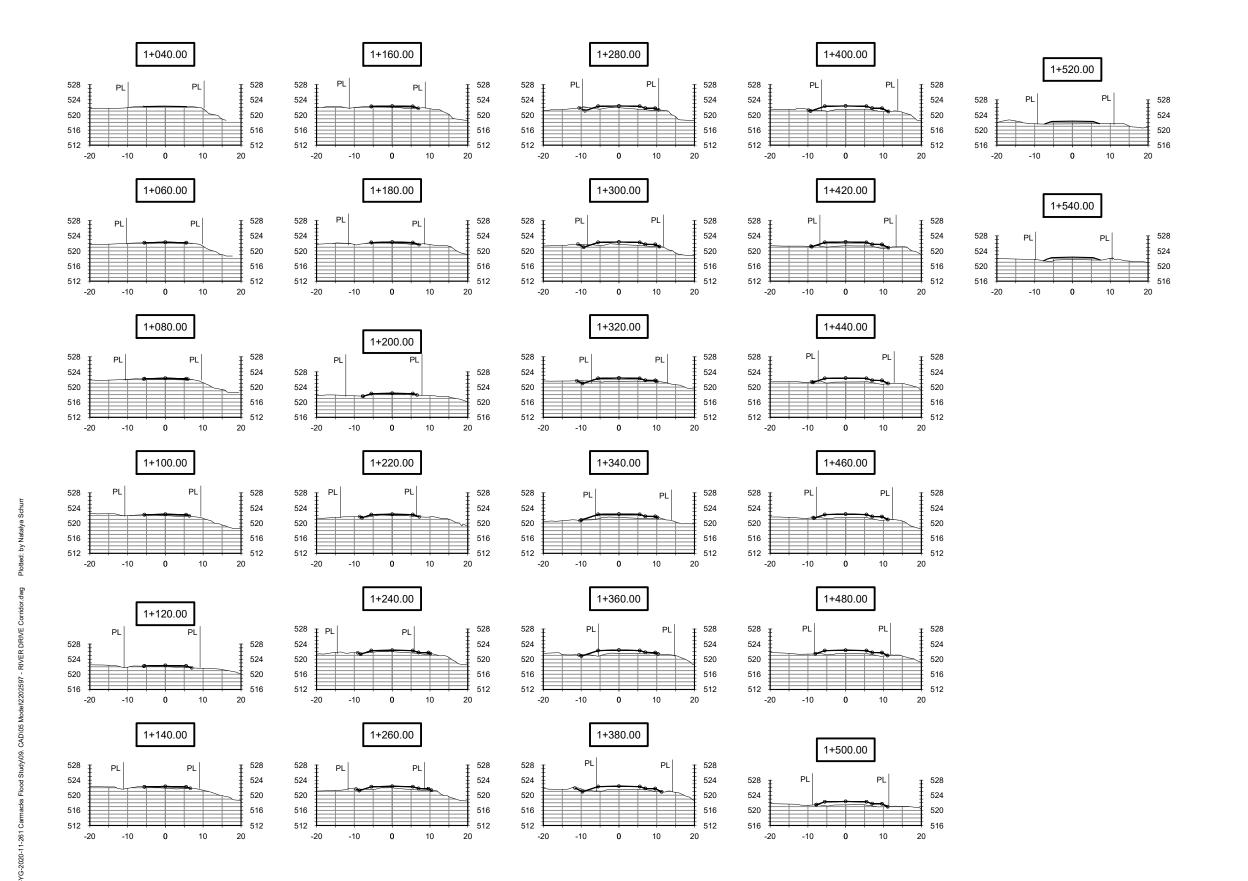


BOARDWALK TYPICAL CROSS-SECTION B-B SCALE: NTS

CONCEPTUAL DESIGN







CONCEPTUAL DESIGN

MORRISON HERSHFIELD



STA:4+989.92— ELEV 522.31 PROP. SIDE ROAD CL PROP. DITCH CL PROP. 300 DIA CULVERT 600mm (MIN.) COVER STA:5+239.70-ELEV:522.18 PROP. LOWER BENCH ROAD CL PROP. DITCH CL TC PROP. DITCH STA:4+976.05-CROSS-SECTION -STA:5+006.21 ELEV:522.30 ELEV:522.29 **TRANSITION** STA:4+949.09 CT TIE-IN TO EXIST -STA:5+010.08 ELEV:522.33 GRADE (TYP.) STA:5+115.41 ELEV:522.26 CUT DITCH AT 0.50% SLOPE TO DAYLIGHT-STA:5+130.50-TOWARDS RIVER ELEV:522.25 STA:5+210.00 ELEV:522.20

NOTES:

1. SEE SHEET C102 FOR TYPICAL SECTIONS.

LEGEND:

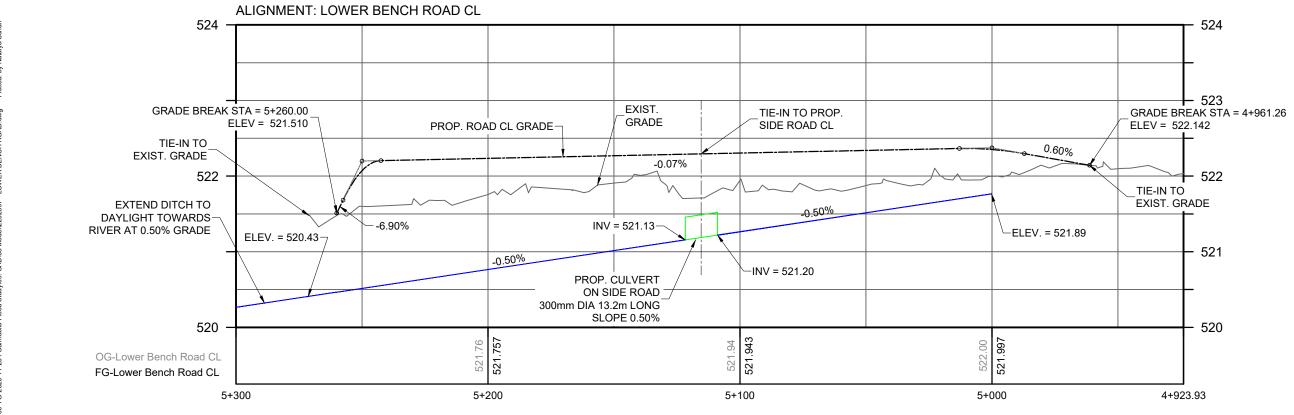
ORIGINAL GROUND CONTOUR ELEVATION

522.00 EXISTING GRADE ELEVATION (PLAN)

522.00 EXISTING GRADE ELEVATION (PROFILE)

522.20 FINISHED GRADE ELEVATION (PROFILE)

CT CURVE/TANGENT POINT
FG FINISHED GRADE
OG ORIGINAL GROUND
TC TANGENT/CURVE POINT



MORRISON HERSHFIELD



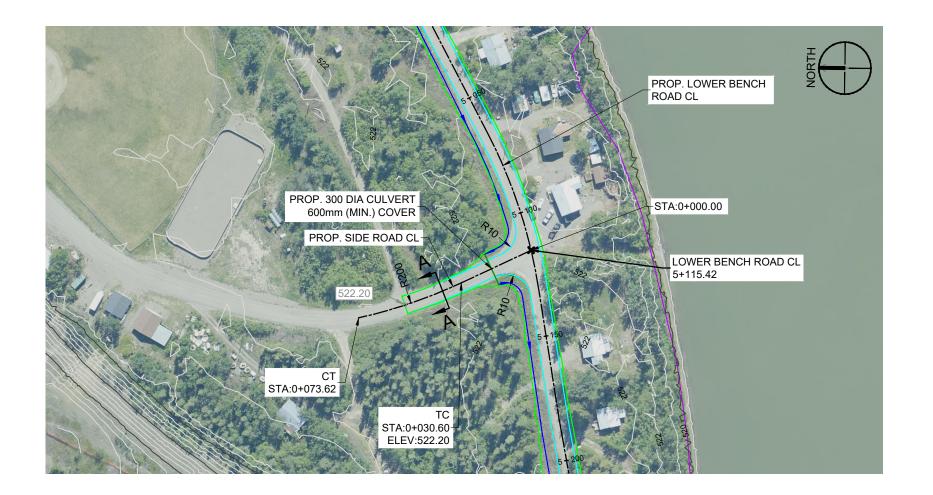
ROAD EDGE
LIMIT OF EARTHWORKS
LOT BOUNDARY
BOARDWALK
DITCH (INC. FLOW DIRECTION)
ROAD CENTERLINE

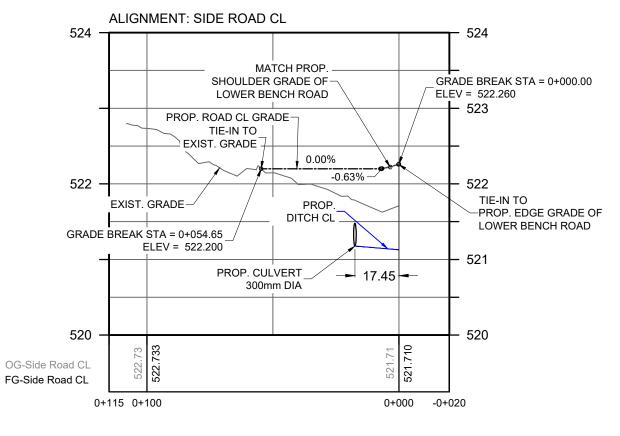
O 12.5

0 100H
2 3V

CARMACKS FLOOD STUDY C101 - LOWER BENCH ROAD PLAN AND PROFILE SCALE: HOR 1:1500 VER 1:50

CONCEPTUAL DESIGN





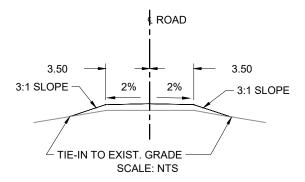
NOTES:

1. REFER TO PLAN AND PROFILE DETAILS FOR LOCATIONS OF DITCHES AND DESIGN INVERT ELEVATIONS.

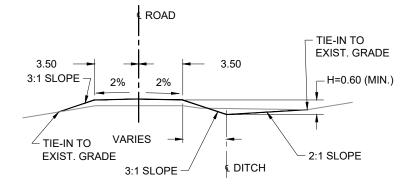
LEGEND:

ORIGINAL GROUND CONTOUR ELEVATION **EXISTING GRADE ELEVATION (PLAN) EXISTING GRADE ELEVATION (PROFILE)** 522.20 FINISHED GRADE ELEVATION (PROFILE) CT CURVE/TANGENT POINT FG FINISHED GRADE OG ORIGINAL GROUND

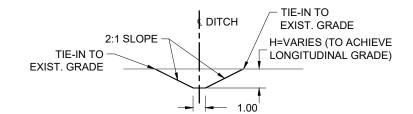
TANGENT/CURVE POINT



TYPICAL ROAD SECTION A-A



TYPICAL ROAD SECTION B-B SCALE: NTS



TYPICAL DITCH SECTION C-C SCALE: NTS

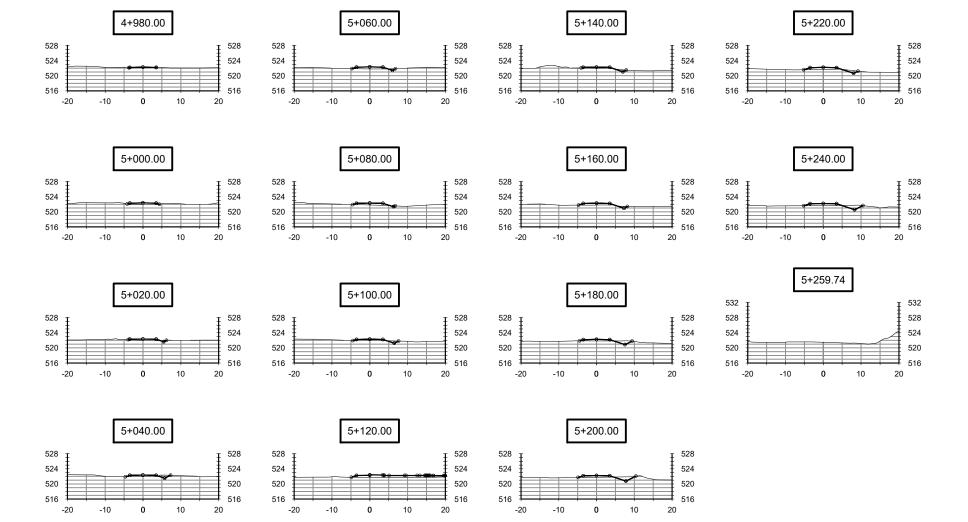
CONCEPTUAL DESIGN

MORRISON HERSHFIELD



ROAD EDGE LIMIT OF EARTHWORKS 100H LOT BOUNDARY **BOARDWALK** DITCH (INC. FLOW DIRECTION) ROAD CENTERLINE

CARMACKS FLOOD STUDY C102 - SIDE ROAD PLAN AND PROFILE SCALE: HOR 1:1500 VER 1:50



CONCEPTUAL DESIGN



APPENDIX D: Class D Cost Estimate



Carmacks Flood Mitigation Study

Capital Cost Estimate "D"

Prepared by: Kyle Power, P.Eng

Consultant: Morrison Hershfield Ltd.

Project: Carmacks Flood Mitigation Study

Estimate Type: Initial Capital Cost (D) Cost Estimate for a Road Profile Realignment on River Drive and Lower Bench Road Date Submitted: 20-Nov-23

Granular 'D') is assumed to be supplied by the Contractor. Unit Price rates on these items will differ

if YG supplies Granular Materials.

Client: Government of Yukon, Community Services, Infrastructure Development Branch

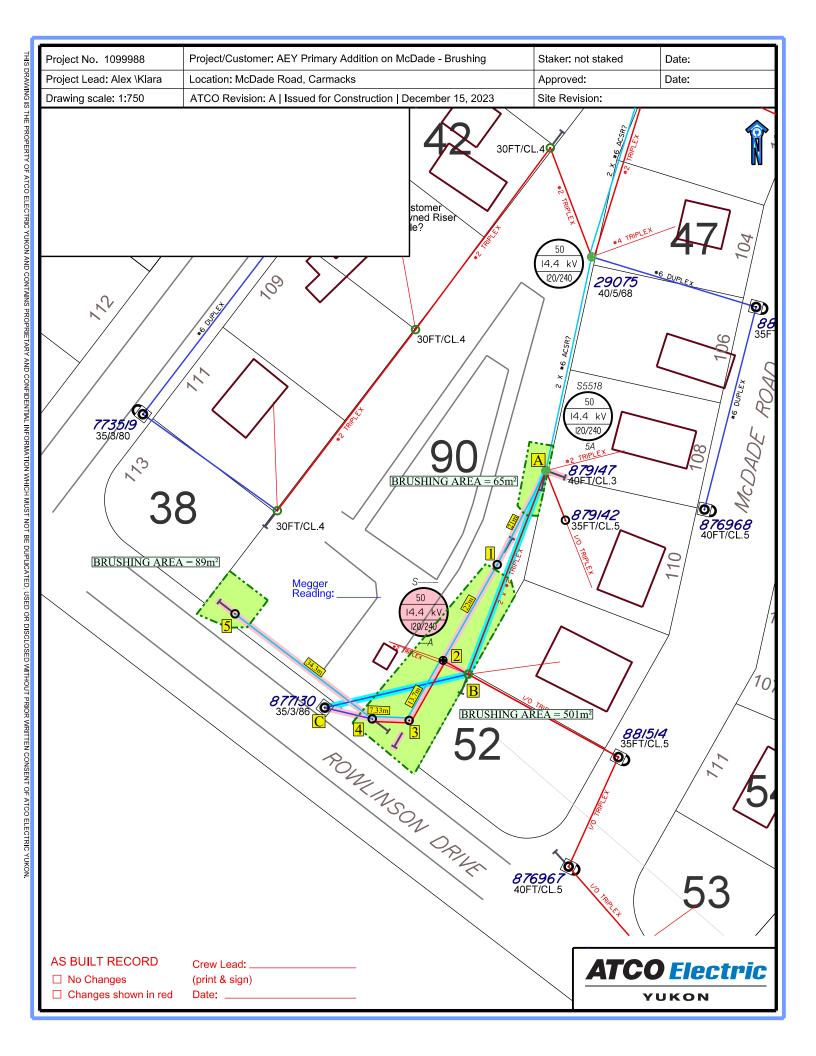




			RIVER DRIVE Road Profile Realignment			LOWER BENCH ROAD Road Profile Realignment					
Category	Item No.	Description of Work	Unit of Measure	Estimated Unit Price	Estimated Quantity	Estimated Cost	Sub-total	Estimated Unit Price	Estimated Quantity	Estimated Cost	Sub-total
	1	Mobilization (10%)	L.S.	10.0%	1	\$62,000		10.0%	1	\$5,000	
Mobilization and	2	Quality Management (5%)	L.S.	5.0%	1	\$31,000	\$119,500	5.0%	1	\$9,000	\$24,000
Management	3	Traffic Accommodation for Roadway Construction - Note A	L.S.	\$7,500	1	\$7,500	\$119,500	\$5,000	1	\$5,000	
	4	Environmental Management (3%)	L.S.	3.0%	1	\$19,000		3.0%	1	\$5,000	
	5	Site Clearing & Grubbing	m2	\$10	3700	\$37,000	\$78,200	\$10	1350	\$13,500	\$35,800
Removals	6	Existing Road Surfacing Removal or Scarifying	m2	\$3	6000	\$18,000		\$3	2520	\$7,600	
Removals	7	Common Excavation	m3	\$30	290	\$8,700		\$30	320	\$9,600	
	8	Prepare Subgrade Surface	m2	\$2	7220	\$14,500		\$2	2520	\$5,100	
	9	Supply, Haul, & Place Granular Base Course (150 mm thick) - Note B	m3	\$130	1090	\$141,700		\$130	380	\$49,400	
Road Construction	10	Supply, Haul, & Place Granular Sub-base (Pit Run / Excavation Borrow) - Note B	base (Pit Run / Excavation Borrow) - Note B m3 \$75 4610 \$345,800		\$533,700	\$75	760	\$57,000	\$130,700		
Road Construction	11	Supply & Install Bituminous Surface Treatment (BST) m2 \$7 6600 \$46,200 \$553		\$533,700	\$7	2520	\$17,700	\$150,700			
	12	Supply & Install 300 DIA Culvert	m					\$470	14	\$6,600	
	Remarks:	Estimate in 2023 Dollars			Estimated Tender Cos	t Total (2023 \$):	\$731,400	Est	timated Tender Co	ost Total (2023 \$):	\$190,500
	Note:				2	5% Contingency:	\$182,900		:	25% Contingency:	\$47,700
	A B	Traffic Accommodation includes only additional costs required for roadwork signage and delineators. All import granular materials for base course (e.g. Granular 'A') and subbase (e.g. pit run or			Estimated 1	Total Cost (2023)	\$914,300		Estimated	Total Cost (2023):	\$238,200

CAPITAL COST ESTIMATE SUMMARY TABLE							
RIVER DRIVE LOWER BENCH ROAD							
Estimated Tender Cost Total (2023 \$):	\$731,400	\$190,500					
25% Contingency:	\$182,900	\$47,700					
Estimated Total Cost(2023 \$):	\$914,300	\$238,200					







Our Clean Future Annual Report 2022 summary



Target: By 2030, Yukon's greenhouse gas emissions excluding mining is 45 per cent lower than they were in 2010.

Emissions increased in 2021:

588 kilotonnes of CO2e

- Compared to 2010 levels: 1% increase
- Compared to 2020 levels: 4% increase



Target: All Yukon communities will be highly resilient to the impacts of climate change by 2030.

In 2022, we published and began addressing priority areas identified in the Assessing Climate Change Risk and Resilience in the Yukon report.

We completed actions in the areas of transportation resilience, preparedness for floods and fires, permafrost thaw and impacts to fish and wildlife.



Target: 93 per cent of the electricity we use on the main Yukon electricity grid will come from renewable energy and 30% less diesel for electricity generation

in off-grid communities.

- In 2022, **92%** of Yukon's main grid was generated by renewable sources.
- In 2022, almost 5.8 million litres of fossil fuel was used to generate electricity in off-grid communities.



Target: By 2030, we will see reductions in greenhouse gas emissions per capita and greenhouse gas emissions per unit

of gross domestic product (GDP).

- Since 2010, our per capita emissions have decreased by almost 13%.
- Our emissions per unit of GDP have decreased by 17%.

Addressing climate change is a collaborative effort:

A thank you to all individuals, organizations, governments and others who strive to build thriving, resilient and low carbon communities. There are currently over 150 actions documented in this strategy, many of which are led by Yukon First Nations, transboundary Indigenous organizations and municipalities.

Please send us an email at <u>climatechange@yukon.ca</u> if you are interested in discussing climate change and climate action. For example, we'd be interested in discussing the following:

- Understanding how climate change may impact your region;
- Access to climate change;
- Various rebates to support low-emissions technologies; and
- Implementation of specific Our Clean Future actions.





December 20, 2023

Mayor: Lee Bodie, The Village of Carmacks Box 113 Carmacks, Yukon YOB 1C0 Via email: cao@carmacks.ca

Dear Mayor Bodie,

I will be a holding a Mayors dinner meeting at 5:30pm on Jan. 10, 2024, at Tony's in Whitehorse. I would be honoured if you could join me to discuss matters such as the Comprehensive Municipal Grant, Infrastructure, and aligning our shared priorities. Premier Ranj Pillai will be in attendance as well.

Please confirm your attendance by emailing <u>sabrina.fred@yukon.ca</u>. Thank you in advance and I look forward to meeting with you in the New Year.

Best Regards,

Richard Mostyn



Monthly Report to Council January 9, 2024

- Completed revamp cleaning and organizing of Rec Facility complete with correct branding throughout the building - consistent image - format/plan for signage (3 weeks and lots of hard work by all staff - motivated to keep it this way, doors locked, staff supervision at all time)
- Mayor's Rock n Skate huge success with up to 60 skaters on the ice at 1 time and up to 30 people in the gym at one time
- New winter recreation guide to be completed by Jan 19 by Chanel
- Upcoming Tournaments Hockey, Curling, Volleyball
- Lots of bookings 6 day drum building workshop, birthday parties
- Additional Firearms Training residents and non residents Feb, March, April well attended
- 24hr fitness facility keyfob and camera system being installed tentatively Jan 15 ish
- Upcoming Elders & Kids trip to Whitehorse mulling an option to pre-pick up the elders at home and bring them to the Rec centre and then return them home at the end of the day as a way of adding more elders to the monthly trip - working with 1st Nations to achieve this
- Winners announced for the Xmas tree and Light contest gift certificates given out
- New daily gymnasium programming for youth 4-7pm & adults 7-9pm... Badminton Monday, Basketball - Tuesday, Soccer - Wednesday, Volleyball - Thursday, Floor Hockey - Friday, Laser Tag - Sat, Pickleball - Sunday
- Gymnasium Mens and Ladies Changerooms now open in a long time for tournaments
- Splash Pad moving forward officially!



Public Works Foreman's Report

05/01/2024

Report to CAO, Mayor and Council

Treatment Plant:

Normal operations, we got the new the UV sensor and actuator are now on hand. We are still waiting for the Electrician.

Landfill:

Normal operations. The Landfill crew are getting better with the fees.

Collection System:

At the moment the collection system is functioning normal.

Duplex:

Normal operations

Equipment:

Normal operations. Our cutting edge finally arrived

Recycling:

Normal operations

Firehall:

Normal operations



New Firehall

Normal operations, Clark builders were here late December and checked out the new Firehall.

Admin. Bldg.:

Normal operations, they completed the Boiler upgrades.

Shop:

Still looking into replacing the heating system, the electrical work is completed. We completed the lockers and installed the benches too. Normal operation.

Streets:

We are busy plowing the streets.

Extra information

We have been spending some between the Landfill operations and we also spend some time in the Recentre to fix some Door issues. And we took down the back fence from ice arena to get better access for snow removal.

Sincerely,

Jens Wylimczyk,

Public Works Foreman



P.O.Box 113 Carmacks, YT YOB 1C0

To: Mayor & Council

Date: January 9, 2024

From: Matthew Cybulski, Chief Administrative Officer, Village of Carmacks

Re: CAO Debrief (December 6, 2023 to January 8, 2024)

Hello Mayor & Council,

Major updates and minor debriefing of municipal service developments and administrative activities:

1. Budget Development Update

- Backdated CPI Increase (6.8%) calculated and completed.
- Provisional Budget Motioned December 20th, 2023
- Next VoC Sr Staff Capital Budget Development Workshop: January 30th

2. CCBF & Gas Tax Update

- Resubmission completed and submitted December 7th, 2023.
- Resubmission guidance directed from the need to develop a narrative surrounding the
 necessary capital infrastructure to manage and operate the long-term asset management
 needs of the Regional Landfill Waste Facility.
- This application will include:
 - (a) ELV Recycling Costs
 - (b) White Metals Removal Cost
 - (c) Heavy Machinery By-Pass Road Consulting Costs
 - (d) Payloader Procurement
 - (e) Excavator Procurement
 - (f) Dumper Truck w/ Grading and Belly Plow Attachments

3. Request for Proposal Updates

Propane services RFP posted in December 2023

Telephone: (867) 863-6271 Fax: (867)863-6606 Email: info@carmacks.ca



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- RFP Proposals reviewed January 8th, 2023
- 2 proposal submitted before RFP Deadline
- Propane Services RFP to include exclusivity for all current and future VoC facilities during the
 5 year term.
- Upcoming RFP's:
 - 1) Administration Building/Village Office Janitorial Services (Jan 2024)
 - 2) Asset Management Plan Registry RFP
 - 3) High Density Housing Plan Workplan and Design RFP
 - 4) Splash Pad Design RFP

4. VoC Website Update

- Website redesign complete and ready to launch
- Final Website Content staff training scheduled for January 11th
- Updates include:
 - (1) E-Permitting System
 - (2) Recreation Services Website Portal
 - (3) Staff Directory
 - (4) Service Ticket System (Launching April 2024)
 - (5) Direct Hotlinks
 - (6) New Design and Site Layout
- New Website Launch Date: February 1st, 2024

5. YG Funders Conference Event

- VoC and YG Economic Development to host Business Funders and Entrepreneurs Networking Conference
- Target Host Date: 24th-26th
- Hosted at Carmacks Recreation Complex
- Topics to include:
 - Capital Development for Small Business
 - How to market a new business

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- Business Plan Development
- Business Licence Needs
- Business Planning for the Long-Term Future and Sustainability
- More Information to come

6. <u>Balance Biogas Landfill Feasibility Study</u>

- Partnership with YG-Community Services, VoC, and Balance Biogas to explore feasibility of biogas, composting, and Biodigester potential in the community
- Discussion and overview of composting and biomass management practices for phase #2 implementation (Q2 2024)
- Scheduled visit between all parties discussed for Jan/Feb 2024
- Major focus on energy recapture from biomass management for nearby waste management facilities.

7. Civic Addressing & Census Project

- VoC to complete civic addressing project with YG Land Development
- Last updated listing of Carmacks Civic Addressing was in 2020
- To coincide with YG GIS Mapping project and VoC GIS Mapping needs for VoC website redevelopment
- CAO & PW to participate with YG Lands regarding updating Civic Addressing listing for early 2024
- CAO to discuss with VoC Mayor and Council regarding scoping funding to complete an updated community census and Voter's List in preparation for 2024 Municipal Election.

8. On the Horizon

- Potential Joint Council Meeting Dates: Discussion for Q1 Meeting
- HomeCare Leasing Meeting: January 17th (tour of potential lease space at the CRC)
- CAO Requested Time Off: Feb 7th-9th & February 12th (Annual Leave)

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