PROJECT MODIFICATION PACKAGE

From	B2Gold Back River Corporation (B2Gold Nunavut)
To	Nunavut Water Board
Ref.	Goose Mine
Date	October 16, 2026
Subject	Water Licence No: 2AM-BRP1831 (Amendment No.1) – Project Modification – Addition of Echo Pit Dikes

B2Gold Back River Corporation (B2Gold Nunavut) is pleased to provide this Project Modification Package under Part G of the Type A Water Licence No. 2AM-BRP1831 to allow for the construction and operation of the Echo Tailings Facility (TF) Dike at the Goose Mine. The Echo TF Dike is a proposed containment structure along the north and west sides of the Echo TF that would maximize the available storage capacity for tailings within the approved Echo TF.

The addition of the Echo TF Dike is a minor modification to the approved Echo TF that remain within the approved Project Development Area (PDA), does not introduce the potential for new environmental impacts, does not change the closure and reclamation plan for the Echo TF, and aligns with the current water license terms and conditions. The construction and operation of the Echo TF Dike is within the scope of the project approved by the Nunavut Impact Review Board (NIRB) through Project Certificate No. 007, Amendment No. 001 and subsequently approved by the Nunavut Water Board (NWB or Board) through Water Licence 2AM-BRP1831 (Water Licence). B2Gold Nunavut is therefore submitting the Echo TF Dike described herein as a Modification not requiring NWB approval under Part G, Item 1 of the Water Licence.

Under Part B, Item 16 of the Water Licence, three of the management plans approved by NWB require updates to reflect and incorporate the proposed Echo TF Dike. B2Gold Nunavut is currently working to update these management plans to address comments / requests received from regulatory bodies on the previous Project Modification submitted to NWB on June 25, 2026. To avoid duplication and confusion in the review process, B2Gold Nunavut will provide consolidated updates to these management plans that address both the comments / requests from the previous Project Modification as well as the incorporation of the Echo TF Dike. The following management plans will be provided to NWB:

- Tailings Management Plan;
- Water Management Plan; and
- Waste Rock Management Plan.

Should you have any questions regarding the proposed Project Modification, please contact me by phone at (519) 872-3991 or email at Braeden.Connor@b2gold.com.

Sincerely,



Braeden Connor
Environmental Permitting Manager
B2Gold Back River Corp.

1. GOOSE MINE OPERATIONAL UPDATE

B2Gold Back River Corporation (B2Gold Nunavut) owns and operates an open pit and underground gold mine with onsite milling infrastructure in the Kitikmeot Region of Nunavut, referred to as the Goose Mine (the Mine). The Mine is situated approximately 400 kilometers (km) southwest of the hamlet of Cambridge Bay, 95 km southeast of the southern end of Bathurst Inlet, and 520 km northeast of Yellowknife, Northwest Territories (Figure 1). Sabina Gold & Silver Corp. (purchased by B2Gold Nunavut in 2022) received a Nunavut Impact Review Board Project Certificate for the Mine (Project Certificate No. 007) in 2017 and the Type A Water Licence No. 2AM-BRP1831 (Water Licence) in 2018 from the Nunavut Water Board (NWB). B2Gold Nunavut initiated construction of the Goose Mine in 2022 and reached commercial production in October 2025.

As part of ongoing operations and continued ramp up to full production at the Mine, B2Gold Nunavut continues to study and address mine design and capacity constraints to ensure sustainable operation at the Mine. One of the constraints the Mine is currently facing is the timing of in-pit tailings depositions. Tailings generated from the gold extraction process are deposited back into exhausted open pits, which are then referred to as Tailings Facilities (TF). The approved mine plan consists of four open pits that will be developed in sequence throughout the mine life, including; Echo Pit, Umwelt Pit, Llama Pit and Goose Pit. The Echo Pit was the first to be developed and transitioned into the Echo TF and is currently receiving the tailings generated from the Mine.

As part of the current mine plan, the next open pit that will be converted to a TF is the Umwelt Pit. The Umwelt Pit is currently an active open pit mining operation that is anticipated to be completed in Q2 2028, at which time this open pit will be converted into the 2nd TF at the Mine.

B2Gold Nunavut has identified that there is a risk that Umwelt Pit may not be available to start receiving tailings prior to the Echo TF reaching capacity. To address the potential timing issue for completion of the Umwelt TF, B2Gold Nunavut is proposing to construct a containment dike (referred to as the Echo TF Dike) along the north-northwestern side of the Echo TF that would increase the available tailings storage capacity within the approved Echo TF footprint. Based on the natural topography there is a lower elevation in the area around the north-northwestern side of the Echo TF where notable additional capacity can be gained with a relatively short dike structure. The remainder of the Echo TF would continue to employ natural ground confinement of the tailings. The addition of the Echo TF Dike will provide the additional storage capacity to allow for continued operation of the Mine while the Umwelt Pit is safely transitioned into the next TF.

It is important to note that there is no net change to the total volume of tailings generated from the Mine as part of this Project Modification. B2Gold Nunavut is proposing to reallocate some of the tailings that would have been deposited in the Umwelt TF to instead be deposited into the Echo TF with the additional storage capacity afforded by the Echo TF Dike.

Based on the latest Echo Tailings Deposition Model, the water level within the Echo TF is expected to reach the low point of the Echo Pit crest (natural confinement) by around Spring 2028 (April 2028). The Echo TF Dike is therefore required to be fully constructed by or before Q2 2028. Due to technical requirements for portions of the Echo TF dike to be completed in winter months (to not introduce unnecessary heat into the dike foundation), B2Gold Nunavut is targeting to construct the key trench of the Echo TF Dike during

the 2027 winter construction season (Q1 to Q2 2027), followed by construction of the dike embankment in Q3 and Q4 2027.

B2Gold Nunavut has determined the proposed Echo TF Dike does not require changes to any terms and conditions of the Water Licence, do not contravene the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (the Act) and are consistent with applicable terms and conditions of NIRB Project Certificate No. 007 Amendment No. 001. There is no approved Land Use Plan applicable to the Goose Mine. Under the Nunavut Impact Review Board Guidance for Approaches to Assessment of Proposed Amendments to Approved Projects (NIRB 2020), the proposed Echo TF Dikes is considered Manifestly Insignificant as the proposed work is to store tailings within the approved Echo TF footprint within the ultimate footprint of the Goose Main Waste Rock Storage Area.

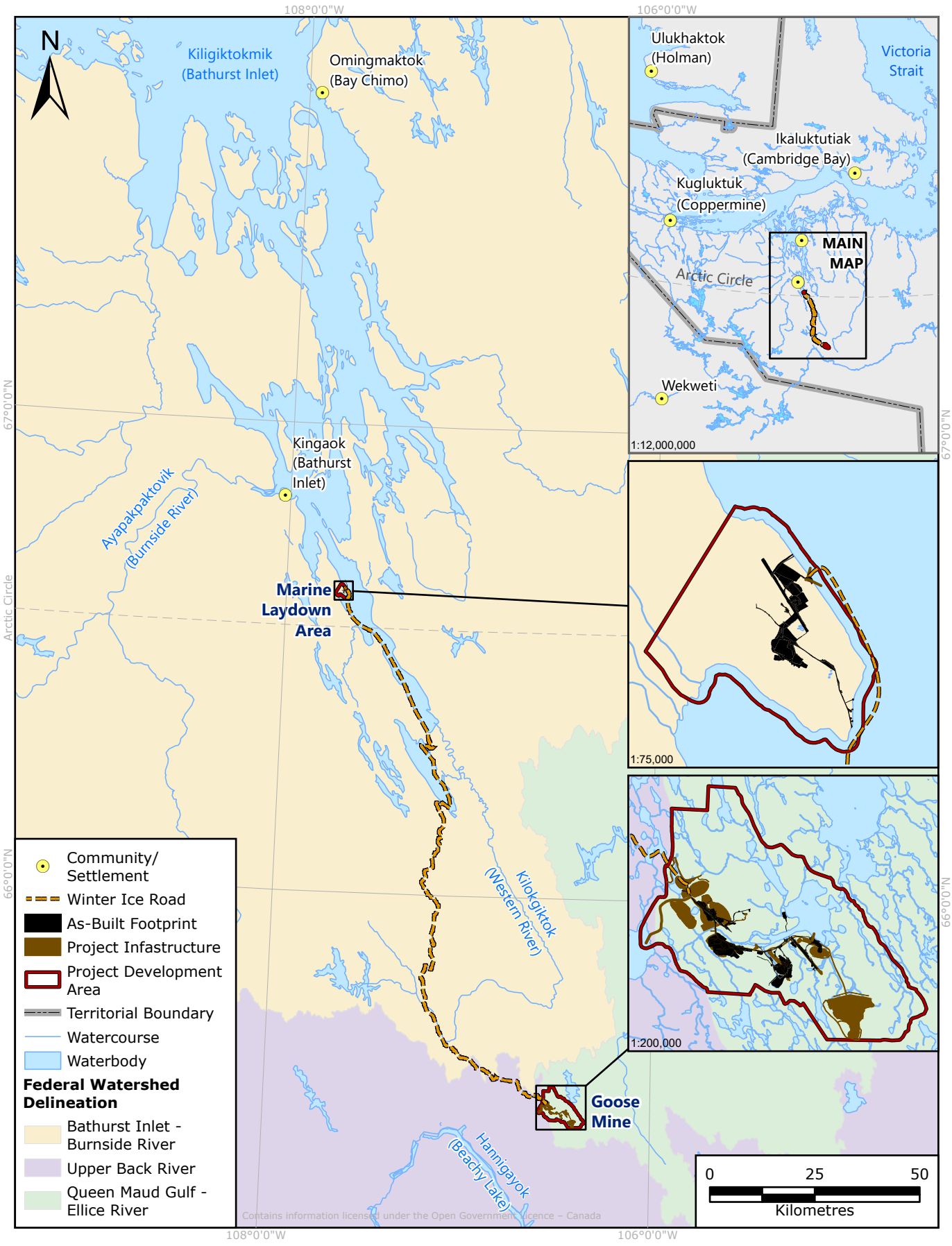
B2Gold Nunavut has prepared the following concordance table that outlines the modification application requirements within Part G: Conditions Applying to Modifications of the Water Licence and the associated Part B, Item 16 conditions.

Table 1 Water Licence Concordance Table

Water Licence No: 2AM-BRP1831 Part G Conditions	**Section of Submission**
1. The Licensee may, without written consent from the Board, carry out Modifications provided that such Modifications are consistent with the terms of this Licence and the following requirements are met:	
1a. The Licensee has notified the Board in writing of such proposed Modifications at least sixty (60) days prior to beginning the Modifications;	This document
1b. Such Modifications do not place the Licensee in contravention of the Licence or the Act;	Section 1: Goose Mine Operational Update
1c. Such Modifications are consistent with the applicable terms and conditions of the NIRB Project Certificate No. 007;	Section 2 Description of the Proposed Modifications
1d. The Board has not, within sixty (60) days following notification of the proposed Modifications, informed the Licensee that review of the proposal will require more than sixty (60) days; and	To be determined by the Nunavut Water Board
1e. The Board has not rejected the proposed Modifications.	To be determined by the Nunavut Water Board
2 Modifications, for which any of the conditions referred to in Part G, Item 1 have not been met can be carried out only with approval from the Board in writing.	To be determined by the Nunavut Water Board
3. Applications for modifications shall contain:	

Water Licence No: 2AM-BRP1831 Part G Conditions	Section of Submission
3.a. Description of the Facilities and/or works to be constructed	Section 2 Description of Proposed Modifications Attachment A: Echo TF Dike – Design Overview and Notice of Construction
3.b. Proposed Location of the structure (s)	Section 2.1 Proposed Structure Locations, Figure 2
3.c. Identification of any potential impacts to the receiving environment	Section 5 Potential Impacts and Monitoring
3.d. Description of any monitoring required, including sampling locations, parameters measured, and frequencies of sampling	Section 5 Potential Impacts and Monitoring
3.e. Proposed schedule for Construction	Section 2.5 Construction Schedule Attachment A: Echo TF Dike – Design Overview and Notice of Construction – Section 9
3.f. Drawings of any Engineered Structures stamped by an Engineer	Attachment A: Echo TF Dike – Design Overview and Notice of Construction
3.g. Proposed sediment and erosion control measures	Section 5 Potential Impacts and Monitoring
4. The License shall provide to the Board, within ninety (90) days of completion of the Modification, as-built plans and drawings of the Modifications referred to in this Part. These plans and drawings shall be stamped by an Engineer.	Section 7 Conclusion
Water Licence No: 2AM-BRP1831 (Amendment No. 1) Part B, Item 16	**Section of Submission**
The Licensee shall review the Plans referred to in this Licence, as required by changes in operation and/or technology, and modify the Plans accordingly. Revisions to the Plans are to be submitted in the form of an Addendum to be included with the Annual Report required by Part B, Item 2, complete with a revisions list detailing where significant content changes are made.	Section 3 Updated Management Plans

FIGURE 1 GOOSE PROJECT OVERVIEW



ERM

CLIENT: B2Gold Nunavut
GIS NUMBER: BAC-19-016-02

DATE: 20 March 2026

PROJECTION: NAD 1983 UTM Zone 13N
SCALE: 1:1,250,000 when printed at 8.5x11

2. DESCRIPTION OF PROPOSED MODIFICATIONS

B2Gold Nunavut has retained SRK Consulting Inc. (SRK) to support the design of the Echo TF Dike. SRK has prepared a comprehensive design package for the Echo TF Dike and associated infrastructure that includes stamped Issued for Permitting drawings, supporting studies and models that are included in this Modification Package as Attachment A. The following sub-sections provide an overview of the technical detail contained in Attachment A.

2.1 ECHO TAILINGS FACILITY DIKE

The Echo TF Dike is a curved embankment approximately 700 metre (m) in length along the north-northwest portion of the Echo TF that will impound the Echo TF Water Pond (designed elevation El. 313.5 metres above sea level; masl) against the downstream rim of the former Echo Pit. The dike will be keyed into the underlying permafrost via a key trench (approximately 3 to 4 m deep), lined with a Geosynthetic Clay Liner (GCL) that is connected continuously through the key trench and dike shell. The liner system is protected by either bedding (sand size material), transition (more gravel size material), and bulk Run of Quarry (ROQ) or Run of Mine (ROM) fill zones on both the upstream and downstream faces or a continuous bulk esker backfill.

The dike crest is set at El. 317.15 masl, with the liner crest at El. 316.00 masl, and side slopes of 2.5H:1V upstream and 2H:1V (steepening toward 2.5H:1V) downstream. The maximum dike shell height of 12.5 m is at the natural valley area to the northwest of the Echo TF.

The Echo TF Dike has been designed in accordance with the Canadian Dam Association (CDA) and Mining Association of Canada (MAC) guidelines. This includes consideration of large inflow design floods and maintaining sufficient storage capacity and operational freeboard to manage contact water. Operational water levels will be established and controlled and will be reevaluated annually.

The operational period for the Echo TF Dike is anticipated to be between two and five years; however, the facility has been designed for an operational design life of 5 to 10 years to provide flexibility for potential changes to the mine plan and operating schedule. The design also incorporates robustness consistent with a potential service life of 20 years or more reflecting the potential for changes in climate conditions, water management requirements, and mine planning over future years and decades.

Engineering fill and esker sand used for the key trench construction and downstream side of the shell are planned to be sourced from the approved Borrow Pit to the north of Goose Lake, Umwelt Pit and Echo WRSA respectively. The engineering fill used in the upstream side (above the GCL liner) of the dike construction is planned to be sourced primarily from Echo WRSA, meaning that the fill material will likely contain some potentially acid generating (PAG) material. All the water (precipitation and snow) that comes in contact with this material, on the upstream side of the Echo TF Dike, will be draining towards and be managed within the existing Echo TF as per approved site environmental and management plans.

Cyclone tailings are planned to be placed at the upstream side of the dam to reduce thermal loading on the dike and lengthen any potential seepage pathways. The Echo TF Dike is designed as a water retaining structure with a frozen core; however, the use of cyclone tailings is proposed to displace supernatant water away from the dike liner and reduce the potential for seepage through the foundation.

2.2 LOWER PERMEABILITY FILL AREA

In addition to the topographic low area to the north-northwest side of the Echo TF, there is also a much smaller topographic low section to the southeast side of the TF. In earlier versions of the Echo tailings deposition sequence, an additional dike structure was considered for the southern area of the Echo Pit. Following further review of the pre-mining topography, and based on a updated max full supply level (FSL) of Elevation 313.5 m, it was determined that this secondary dike is not required.

As a good practice measure, and to reduce the potential for supernatant water to migrate from the TF toward the toe of the Echo WRSA, a localized topographic low was still identified for placement of lower-permeability material. Suitable fill materials for this area may include fine-grained overburden and/or cyclone tailings. This area is identified as the “lower permeability fill area” on Drawing EP-TF-102 (Attachment A).

The southern topographic low is predominantly above Elevation 313.5 m, corresponding to the current FSL, and therefore the lower-permeability fill is not expected to normally retain water. Rather, it is intended as an additional measure to limit water migration and support the maintenance of adequate freeboard within the Echo TF.

2.3 ECHO TAILINGS FACILITY SUMP

On the downstream side of the Echo TF Dike, a large contact-water sump will be constructed at a local topographic depression and integrated with the dike key trench grading. The sump will provide collection of potentially affected runoff, active-layer drainage, and potential seepage associated with the dike. The sump will be excavated into overburden and lined with a high-density polyethylene (HDPE) liner for water containment. A run of quarry thermal layer will be placed above the liner on the sump excavation crest to increase the elevation of the active layer.

The sump will be operated as a normally dry surge and collection facility and will provide an initial control measure during the early construction period. Water collected in the sump will be pumped to the Echo TF. The larger approved Echo Contact Water Pond (CWP) is planned to be constructed in 2028 and will provide the longer-term downstream contact-water management facility for the Echo TF as well as the future Goose Main WRSA.

Design drawings of the sump are provided in Attachment A, Drawings No. EP-TF_600, EP-TF_601 and EP-TF_602.

2.4 CYCLONE TAILINGS

Cyclone tailings are proposed to be used on the upstream side of the Echo TF Dike as well as in a small topographic low section on the southeast side of the Echo TF (Section 2.2). For the Echo TF Dike, cyclone tailings will be placed along the upstream face of the dike in three lifts. The first lift will have a minimum thickness of 2 m and will extend to approximately El. 309.5 masl; the second lift will extend to El. 314.0 masl; and the third lift will extend to the dike crest. Areas where cyclone tailings are proposed as construction material will ultimately drain to the Echo TF.

To produce a tailings product suitable for loading, hauling, and dumping with conventional earthworks equipment (i.e. sufficiently high solids content and low enough moisture content), tailings are proposed to be hydraulically cycloned into three cells located at the south end of the Echo WRSA, where the tailings will be left to drain water through the highly permeable waste rock bottom of the cells before being excavated and placed for construction. The south end of the Echo WRSA was chosen for the tailings cyclone cells as it drains passively to the Echo TF so all contact water will be contained by the tailings facility.

Each of the three cyclone tailings cells will have a tailings storage capacity of approximately 15,000 m^3. The intended cell operating concept is a rotation of filling / depositing cyclone tailings in one cell, draining a second cell, and excavating a third cell. The excavated tailings are then relocated to the Echo TF Dike. Preliminary durations for these stages are:

- Cell Fill Time: approximately 30 to 50 days per cell, based on an assumed total tailings production of 2,000 t/d, a cyclone solids recovery of approximately 57%, a cell filling efficiency ratio of 75%, and an assumed dry density of the settled tailings underflow of 1.0 to 1.5 t/m^3.
- Cell Drain Time to Residual Water Content: currently unknown and to be investigated through laboratory testing and/or field trials.
- Cell Excavation (Mining) Time: approximately 15 to 30 days, assuming an excavator productivity of 150 to 300 m^3/hr on 12-hour shifts at 80% productivity.

Additional details on the cyclone tailings and proposed method for producing cyclone tailings is presented in Attachment 7 (Cyclone Tailings Trial) of Attachment A.

Llama Pit (20210122 Design)
Llama Pond (2021 Design)
Llama WRSA (2021 Design)
Llama Lake
Primary Pond
Primary Pond Dam
Primary Pond Spillway
Umwelt Pit
Umwelt WRSA
Explosives Magazine
Llama Crusher Pad
Round Pond
Umwelt Lake
Giraffe Lake
Goose Lake
Umwelt Overburden Stockpile
Echo Crossing
SWP Phase 2 (2026 Design)
Goose Neck Crossing
Goose Barge Access Road
Camp Pad Pond
Laydown Area
Gander Crossing
Exploration Camp
SWP Phase 1
Camp Pad
Plant Pad
ROM Pad
Portal
Tote Storage
Echo Pond (Design)
Goose WRSA (20260106 Design)
Airstrip
Goose Quarry
Goose Pit (20150720 Design)
Echo Diversion
Echo WRSA
Echo TF Dike See EP-TF-101
N7272500
N7272000
N7271500
N7271000
N7270500
N7270000
N7269500
N7269000
N7268500
E428500
E429000
E429500
E430000
E430500
E431000
E431500
E432000
E432500
E433000
E433500
E434000
E434500

LEGEND

- Design Pit and Dump Infrastructure
- Design Infrastructure

NOTES

1. All units are in meters unless otherwise specified.
2. Contours are shown at 5.0 m intervals.
3. All drawings are scaled appropriately for B-Size construction drawings (11" x 17" or 279 mm x 432 mm). These drawings can therefore be plotted at double size to fit D-Size (22" x 34" or 559 mm x 864 mm). Please note that the scale may no longer be accurate if the drawings are printed in any other format or scaled differently.

REFERENCES

NAD83 UTM Zone 13.
Existing Ground is derived from 2025-09-01 Lidar Survey.
Aerial Imagery is from 2026-07-01.

0m 200 400 600 800
1 : 20000 Uncontrolled when printed See Note 3

DRAWING NO.	DRAWING TITLE
REFERENCE DRAWINGS	

NO.	DESCRIPTION	CHK'D	APP'D	DATE
B	Issued for Permit	AT	JBK	2026-10-15
A	Internal SRK Review	AT	JBK	2026-08-28

REVISIONS

PROFESSIONAL ENGINEERS STAMP

srk consulting

DESIGN:	DRAWN:	REVIEWED:
AT	JAB	JBK
CHECKED:	APPROVED:	DATE:
AT	JBK	2026-10-15

FILE NAME: CAPR004311_EP-TF-PL GA.dwg

B2GOLD

Back River

SRK JOB NO.: CAPR004311

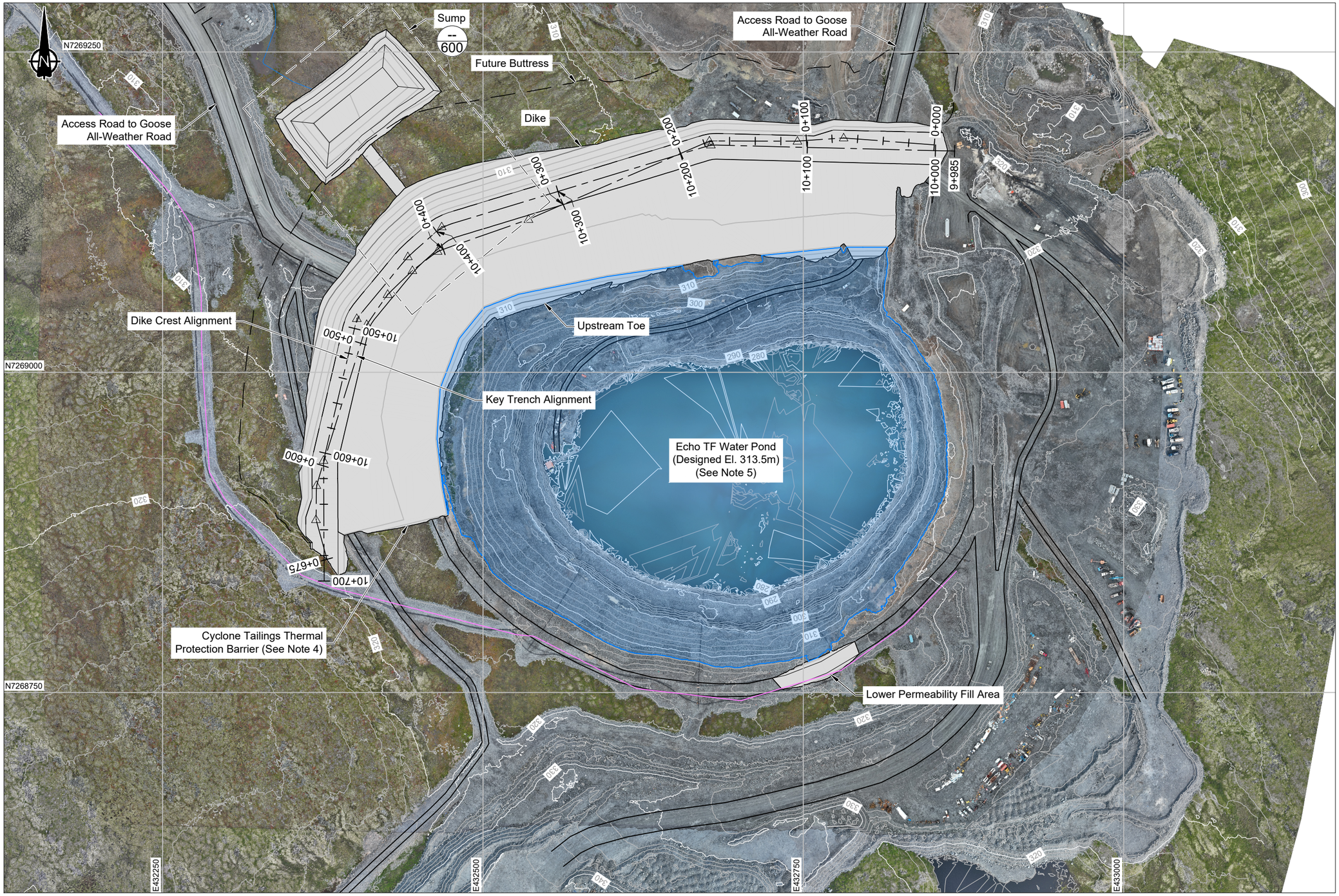
2026 Echo TF Dike Design

Project Location General Arrangement

Figure 2

REVISION NO. B

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LEGEND

- Watercourse
- Pipeline
- Pond
- Design Infrastructure

NOTES

1. All units are in meters unless otherwise specified.
2. Contours are shown at 2.0 m intervals.
3. All drawings are scaled appropriately for B-Size construction drawings (ll" x 17" or 279 mm x 432 mm). These drawings can therefore be plotted at double size to fit D-Size (22" x 34" or 559 mm x 864 mm). Please note that the scale may no longer be accurate if the drawings are printed in any other format or scaled differently.
4. Cyclone tailings will be placed at the upstream toe to reduce thermal loading on the dike structure and to lengthen potential seepage pathways.
5. Maximum Echo TF Water Pond elevation is based on Back River Echo Tailings Facility Deposition Plan Memorandum, Project No. CAPR003061, prepared for B2Gold Back River Corp. by SRK Consulting (Canada) Inc. October 31, 2025.

REFERENCES

NAD83 UTM Zone 13.
Existing Ground is derived from 2026-08-24 and 2026-07-16 Drone Surveys.
Aerial Imagery is from 2026-08-24 and 2026-07-16.

0m 30 60 90 120
1 : 3000 Uncontrolled when printed See Note 3

DRAWING NO.	DRAWING TITLE
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REFERENCE DRAWINGS

NO.	DESCRIPTION	CHK'D	APP'D	DATE
B	Issued for Permit	AT	JBK	2026-10-15
A	Internal SRK Review	AT	JBK	2026-08-28

REVISIONS

This drawing is uncontrolled when printed unless stamped / certified in accordance with the requirements of the applicable jurisdiction and recorded on a Distribution Register.

PROFESSIONAL ENGINEERS STAMP

srk consulting

DESIGN:	DRAWN:	REVIEWED:
AT	JAB	JBK
CHECKED:	APPROVED:	DATE:
AT	JBK	2026-10-15

FILE NAME: CAPR004311_EP-TF-GA.dwg

B2GOLD

Back River

SRK JOB NO.: CAPR004311

2026 Echo TF Dike Design

General Arrangement (Orthophoto)

Figure 3

REVISION NO. B

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2.5 CONSTRUCTION SCHEDULE

Construction of the Echo TF Dike is planned to commence at the beginning of 2027 and extend to early 2028. Excavation of the key trench, liner installation and backfill to a minimum of 0.75 m above the original ground surface are planned for the winter of 2027 (January – March) to ensure both the key trench and initial rockfill placement occur under cold temperature. The remaining above ground portion of the dike would be constructed through Q2 of 2027 to Q2 of 2028. Additional detail on the construction schedule can be found in Attachment A: Echo TF Dike – Design Overview and Notice of Construction.

Table 2 lists the updated mine development schedule.

Table 2 Mine Development Schedule

Mine /Tailings Facility Operation	Start	End
Open Pit Development		
Echo Open Pit	Started during Construction Phase	Y1, Q2
Umwelt Open Pit	Started during Construction Phase	Y4, Q1
Llama Open Pit	Y2, Q4	Y6, Q1
Goose Main Open Pit	Y5, Q1	Y9, Q2
Echo Tailings Facility[(a)]	Y1, Q2	Y5, Q1
Umwelt Tailings Facility	Y5, Q1	Y11, Q4
Llama Tailings Facility	Y11, Q4	Y13, Q3
Underground Development		
Umwelt Underground Mine	Started during Construction Phase	Y11, Q4
Llama Underground Mine[(b)]	Y6, Q2	Y12, Q3
Goose Main Underground Mine[(b)]	Y10, Q2	Y13, Q3
Echo Underground Mine[(b)]	Y10, Q3	Y13, Q2

a) *Echo Tailings Facility timeline includes the additional storage capacity provided by the Echo TF Dikes. The Echo TF Dikes will be constructed through 2027-2028.*

b) *Start time refers to beginning of mining; predevelopment activities start approximately 1-2 years before start of mining for each underground mine.*

Note to Table 2: Project Year 1 (Y1) is 2025.

3. UPDATED MANAGEMENT PLANS

The operational changes identified result in minor changes to the following management plans approved by the NWB:

- Tailings Management Plan;
- Water Management Plan; and
- Waste Rock Management Plan.

B2Gold Nunavut is currently working to update these management plans to address comments / requests received from regulatory bodies on the previous Project Modification application submitted to NWB on June 25, 2026. In order to avoid duplication and confusion in the review process, B2Gold Nunavut will provide consolidated updates to these management plans to address both the comments / requests from the previous Project Modification as well as the incorporation of the Echo TF Dike.

The updates to the management plans for the Echo TF Dikes will be minor and will summarize the information presented in Echo TF Dike Design Package, which is provided as Attachment A to this Project Modification Package.

4. MINE CLOSURE AND RECLAMATION

The closure and reclamation of the Echo TF is described in Section 4.3.1 of the Interim Closure and Reclamation Pan, which states:

> *"tailings in the Echo TF will be covered with waste rock and overburden material from the Goose Main Open Pit once tailings deposition in Echo TF is complete, including a 5-m cover of NPAG material, to create the Goose Main WRSA."*

The inclusion of the Echo TF Dike and additional tailings storage capacity within the Echo TF does not change the planned closure strategy for the facility. Following the completion of tailings deposition within the Echo TF, supernatant water within the facility would either be recycled back to the mill for use in the gold extraction process or pumped directly to the Umwelt TF. B2Gold Nunavut would then start placing waste rock and overburden from the development of the Goose Pit on top of the Echo TF to encapsulate the tailings and create the Goose Main WRSA. The WRSA will be approximately 100 m in height and include a minimum 5 m Non-Potentially Acid Generating (NPAG) thermal cover placed on top of the stockpile. Following the development of the Goose Main WRSA, the Echo TF will be fully encapsulated in waste rock and will not be visible from surface.

Water (precipitation and snow) that comes in contact with the Goose Main WRSA would be captured within the Echo Contact Water Pond before being directed to the Primary Pond. Water collected within the Echo Contact Water Pond (CWP) will be monitored following active closure until it meets water quality objectives. At that point, the Echo CWP will be breached to allow water to passively discharge to Goose Lake from the Goose Main WRSA.

A detailed overview and visual representation of the closure sequencing of the Echo TF (including Echo TF Dike) is provided in Attachment 5: Echo TF and WRSA – Staged Development Concept of Attachment A.

5. POTENTIAL IMPACTS AND MONITORING

5.1 POTENTIAL IMPACTS ASSESSMENT

The proposed Echo TF Dike will not create any new impacts or change any potential effects to the receiving environment beyond what was previously assessed as the modification remains within the project development area (PDA) and has been designed to maintain compliance with the Water Licence.

Operation of the facility will be informed by relevant updated management plans referenced in this submission i.e., Tailings Management Plan, Water Management Plan, and Waste Rock Management Plan.

As described in the Echo TF Dike – Design Overview and Notice of Construction (Attachment A), the proposed Echo TF Dike will be constructed around the topographic low sections of the Echo TF, within the footprint of the approved Goose Main WRSA. As such, there is no expansion of the potential mine impacts area or Project Development Area (PDA) approved through the Project Certificate. Tailings will continue to be stored within the footprint of the Echo TF in accordance with the Water License and Project Certificate. Once tailings deposition ceases at the Echo TF, the facility would be encapsulated in the Goose Main WRSA in accordance with the Interim Closure and Reclamation Plan.

There is no net change to the total volume of tailings generated from the Goose Mine as a result of the Echo TF Dike, only a reallocation of the tailings stored within the approved TFs. The Echo TF will continue to receive tailings generated at the Mine while B2Gold Nunavut works to transition the Umwelt Pit into the next TF.

Water collected within the Echo TF will continue to be recirculated back to the process plant for use in the gold extraction process.

5.2 WATER QUALITY MONITORING

B2Gold Nunavut will continue to follow the Water Management Plan and water quality monitoring requirements stipulated in the Project Certificate and Water Licence. Existing water quality monitoring stations, including within Goose Lake would effectively identify any potential changes to water quality that could result from the Echo TF. No additional monitoring stations related to water quality are therefore proposed.

To help further mitigate potential water quality related concerns resulting from the Echo TF Dike, B2Gold Nunavut and the design engineer (SRK) are proposing to construct a containment sump directly downgradient of the proposed dike. The sump will be constructed at a local topographic depression and integrated with the dike key trench grading in order to collect any contact water or potential seepage through the dike. The sump will be lined with an HDPE liner and covered with rock to provide a thermal layer. The sump area is designed to contain precipitation equivalent to the 1 in 100-year, 24-hour rainfall event and average year of snowmelt. Water collected in the sump will be discharged back to the Echo TF. Details on the design of the sump can be found in Attachment A.

In 2028, B2Gold Nunavut will also construction the approved Echo Contact Water Pond to the north of the Echo TF. The Echo CWP is designed to collect contact water from the Goose Main WRSA and will also intercept water from the Echo TF. Once the Echo CWP is in place, the Echo TF Dike will have two redundant collection basins to mitigate potential seepage from the facility.

5.3 GEOCHEMICAL MONITORING

B2Gold will follow the approved Waste Rock Management Plan for the characterization of acid rock drainage (ARD) and metal leaching (ML) for the material used in dike construction. Non-potentially acid-generating (NPAG) rock will be used by default for Echo TF Dike construction. Potentially acid-generating (PAG) and geochemically uncertain rock, where used, will be restricted to designated controlled-

placement zones within the Echo TF Dike/Tailings Facility system. PAG and geochemically uncertain rock will only be placed where the applicable contact-water collection and containment measures are in place, commissioned, and operational, such that potentially affected contact water can be collected and managed without uncontrolled release to the downstream environment.

5.4 GEOTECHNICAL / THERMAL PERFORMANCE MONITORING

The Echo TF Dike performance is greatly improved if a frozen foundation is able to be maintained. The dam and foundation will be monitored to confirm that thermal performance and objectives are being met. The planned instrumentation design includes nine vertical ground temperature cables distributed throughout the dike, two transverse or perpendicular ground temperature cables (going across the upstream cross-sections), and five longitudinal horizontal cables installed at the base of the key trench (to monitor along the length of the foundation and for potential seepage detection). A plan and typical section of the ground temperature monitoring instrumentation layouts are shown in the drawings (see EP-TF-501 and EP-TF-502 in Attachment A).

The Echo TF Dike instrumentation also includes surficial and deep survey settlement monitoring points. Surficial survey monitoring points, consisting of survey pins grouted into large boulders, will be established along the dike crest and downstream face at approximately 100 m intervals to detect and quantify potential horizontal and vertical displacements. These points also allow for repeatable measurements to be taken at set locations to help correlate with and check general drone survey data. In addition to the surficial network, a total of three deep survey monuments will be installed along the crest to facilitate regular instrumentation monitoring. Downstream slope stability, foundation creep and in general deformations will be assessed from the settlement and survey points providing continuous measurements of lateral deformations (see drawings EP-TF-500 and EP-TF-503 of Attachment A). Additional monitoring of water levels (currently being completed on site daily) and frequent drone surveys (currently being completed at least monthly) will continue in the Echo TF area.

5.5 EROSION AND SEDIMENT CONTROL MEASURES

B2Gold Nunavut will continue to implement the sediment and erosion control measures that are described in Section 9.4.1 of the Water Management Plan such that sediment-laden runoff is minimized, intercepted, and/or treated prior to entering downstream receiving waters or mine process facilities.

6. COMMUNITY ENGAGEMENT

B2Gold Nunavut engaged with project impacted communities, Inuit, government, Nunavut regulatory authorities, and members of the public regarding the proposed Echo TF Dike from June through September of 2026. Specific engagement sessions are summarized in Table 3 below along with comments / requests that were brought forward during the sessions.

Table 3: Summary of Engagement Activities

Goose Mine Partner	Form	Date	Summary of discussion
KIA	Virtual Meeting	June 18, 2026	B2Gold Nunavut provided an overview of the proposed Echo TF Dike, a conceptual rendering of the dike, rationale for construction and critical timelines. B2Gold Nunavut proposed to set up a technical in-person workshop with KIA, B2Gold Nunavut and their respective consultants to review the design. Further discussions were agreed to address KIA comments and questions raised at this initial meeting.
NWB	Virtual Meeting	June 19, 2026	B2Gold Nunavut provided an overview of the proposed Echo TF Dike, a conceptual rendering of the dike, rationale for construction and critical timelines. Parties agreed to further discussion as B2Gold Nunavut advanced its plans.
KIA	Virtual Meeting	June 19, 2026	B2Gold Nunavut provided an overview of the proposed Echo TF Dike, a conceptual rendering of the dike, rationale for construction and critical timelines. B2Gold Nunavut proposed to set up a technical in-person workshop with KIA, B2Gold Nunavut and their respective consultants to review the design.
Hamlets of Cambridge Bay, Gjoa Haven, Kugaaruk, Kugluktuk and Taloyoak	Letter	June 26, 2026	Summary letter sent to the five Hamlets explaining the Echo TF Dikes, permitting plan and required timeline for construction. Follow-up emails were sent to schedule individual Council meetings during a planned June visit to all Kitikmeot communities. However, due to aircraft issues community visits had to be rescheduled to November 2026.
CIRNAC	Virtual Meeting	July 2, 2026	B2Gold Nunavut provided an overview of the proposed Echo TF Dike, a conceptual rendering of the dike, rationale for construction and critical timelines.
Hamlet of Cambridge Bay	In Person Meeting	July 10, 2026	Meeting with Mayor and Council to provide an update on the Goose Mine and specifically the Echo TF Dike proposal.
KIA Workshop	In Person Workshop	July 29, 2026	Detailed presentation from design engineer (SRK) to KIA and consultants (BGC Consulting). Presented the design and supporting studies

Goose Mine Partner	Form	Date	Summary of discussion
			that had been completed to date and what work still needs to be completed before the design package is ready for submission.
Kitikmeot Region Mayors Forum in Cambridge Bay	In-Person Presentation	September 23 – 25, 2026	B2Gold Nunavut provided a Project update presentation to all Kitikmeot Mayors, KIA, and Government of Nunavut attendees with special attention paid to the Echo TF proposal.
KIA	In Person	October 7, 2026	B2Gold Nunavut presented to the KIA AGM held in Cambridge Bay. The presentation provided by B2Gold Nunavut included an update on the Echo TF proposal.

Throughout the engagements noted in Table 3, B2Gold Nunavut received constructive comments and recommendations that have been incorporated into this Project Modification and Echo TF Dike design package. During the engagement sessions, there were no significant concerns raised regarding the Echo TF Dike proposal that B2Gold Nunavut was unable to address or resolve in the design package and pending management plan updates.

Presentation materials from the engagement sessions are provided in Attachment 5. Further public engagement in the Kitikmeot region is planned for November 2026 and information from these engagements will be shared with the NWB as deemed necessary by B2Gold Nunavut.

7. CONCLUSION

B2Gold Nunavut finds that the operational changes described herein do not contravene the Water Licence or the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and are consistent with applicable terms and conditions of NIRB Project Certificate No. 007 Amendment No.001. On this basis, Part G, Item 1 of the Water Licence enables B2Gold Nunavut to proceed unless directed otherwise by the NWB within 60 days of this submission. As per Part G, Item 4, B2Gold Nunavut will submit as-built plans/drawings of the infrastructure associated with this project modification within 90 days after construction.

As the proposed changes are operational in nature, B2Gold Nunavut will report on the implementation of the changes through the reporting mechanisms established in the Water Licence and Project Certificate, most notably the Annual Water Licence Report and the Annual Project Certificate Report.

8. REFERENCES

B2Gold Nunavut. (2026). Goose Project Interim Closure and Reclamation Plan Version 5.0.

Nunavut Impact Review Board. (2020). NIRB Technical Guide Series: Proponent's Guide.

ATTACHMENT A: ECHO TAILINGS FACILITY DIKE – DESIGN OVERVIEW AND NOTICE OF CONSTRUCTION

ATTACHMENT B: COMMUNITY ENGAGEMENT DOCUMENTS