



Tłıchǫ Government
Department of Culture and Lands Protection



Conceptual Closure and Reclamation Plan

for the
Whatı Falls Improvement Project

Prepared for the
Wek'èzhıı Land and Water Board

Version 1.0

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INTRODUCTION

This Conceptual Closure and Reclamation Plan (CCRP) has been developed for use by TIC/Kiewit personnel for the proposed Whatì Falls Improvement Project. The purpose of the CCRP is to describe the plans and procedures to be followed for abandonment or closure of camps and quarries that are no longer required for either construction or operation of the new Whatì Falls access road and day-use area. Revisions will be submitted to the WLWB for review and approval prior to those revisions becoming effective.

PLAN OBJECTIVE

The primary objective of this CCRP is:

- To communicate the minimum requirements to be met at the end of construction relating to the closure of construction camps and quarries, including any monitoring and reporting requirements.

PROJECT CONTACTS

Primary DCLP Contact

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ROLES AND RESPONSIBILITIES

The TIC/Kiewit Environmental Manager is ultimately responsible for the success of this Plan and approves all relevant policies and documents, auditing, action planning and the verification process. The TIC/Kiewit Environmental Manager is responsible for the implementation of this Plan including overall management of the Plan and internal reporting.

Other relevant personnel are responsible for the effectiveness of the CCRP by completing required training, supporting implementation or and ensuring compliance to the CCRP, as appropriate to their roles.

CLOSURE AND RECLAMATION

Camps

Desired Future Condition:

The accompanying maps and application information Once a camp is no longer necessary, all infrastructure associated with the camp is to be removed from the site. Infrastructure associated with the camp includes buildings, sheds, mobile labs, storage containers, concrete pads, foundations and debris.

The camp area including greywater sumps are to be regraded to permit drainage and limit ponded water. All waste generated from infrastructure removal will be taken to the Whatì Community Government waste facilities, and where applicable, only licensed / approved contractors will be used to do so.



Aesthetics

Camp areas will be cleaned and inspected for debris or garbage. Camp areas located within the alignment will be integrated into the road, whereas camp areas located within quarries will be subject to the requirements of quarry closure.

Wildlife Habitat

Wildlife enhancement measures will be linked to the closure of work camps.

Water Diversion

Upon removal of camp infrastructure regrading may be necessary to maintain positive drainage.

Quarries

Desired Future Condition

Operation of quarries are anticipated to continue through construction and into operations either until the material is depleted, or until it is determined that the quarry is no longer required. The active quarry site will be kept clean, tidy, trimmed and free of any garbage and debris during operations.

Upon the final completion of the quarrying operation, the active quarry area will be:

- Trimmed and sloped along the active areas of the pit.
- Grubbing and top soil materials (if any) stockpiled during the development of the quarry will be placed along the pit floor in an appropriate manner to promote revegetation and positive drainage.
- All equipment, seasonal storage shed, trails, etc. will be removed. All waste generated from decommissioning quarries will be taken to the Whatì Community Government Waste facilities and where applicable, only licensed and approved contractors will be used.

Aesthetics

The quarry site at completion of the life of the development will be reclaimed using appropriate equipment to trim, level and replace reclamation materials aesthetically correct over the required areas of the pit floor and side slopes. A buffer of natural vegetation will be maintained between the quarry



and the Whatì Falls access road – or, if applicable, the HW9 Tł̓chq̓ All Season Road (TASR) – to reduce visibility of the quarry from the road(s).

Wildlife Habitat

Wildlife habitat enhancements will be considered and implemented as needed. Specific actions may include the enhancement of revegetation using locally stored materials. The value of the closed quarries as wildlife habitat will be limited due to proximity to the highway.

Sloping/Benching

A progressive maintenance program will be maintained to ensure that the quarry is kept sloped and contoured throughout the operation. At the end of the quarry life, stripping piles and organic sources stockpiled in the pit staging area will be spread at even intervals on the pit floor and surrounding quarry perimeter. Where blasting and excavation took place, the benching design will be left.

Access

Access to quarries used for this project are to be modified to restrict vehicle access following closure. Locking gates are to be removed and boulders or other approved natural barriers are to be placed at the entrance to restrict unauthorized vehicle access.

CLOSURE COST ESTIMATES

Because this is a Tł̓chq̓ Government project on Tł̓chq̓ private lands we believe closure cost estimate and financial security requirements do not apply.