

Sam Elliott
Executive Director
St. Anthony Basin Resources Inc.
P.O. Box 69
St. Anthony, NL
A0K 4S0

September 27, 2017

Mr. Eddie Joyce, MHA
District of Humber-Bay of Islands
Minister of Municipal Affairs and Environment

Re: Registration for Iceberg Trail Development

Dear Minister Joyce,

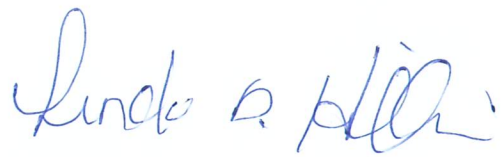
Please accept this registration for the development of the Iceberg Trail – a 40km hiking trail that connects L'Anse aux Meadows to St. Lunaire-Griquet. The proposed network links existing trails, road shoulders and new trails together to create one long linear network.

St. Anthony Basin Resources Incorporated will take the lead in managing this project on behalf of the Town of St. Lunaire/Griquet. We have extensive knowledge of the region and have developed hiking trails all along our coast. We look forward to continuing our efforts to enhance the tourism product of our region through the development of this new coastal hiking experience.

Best Regards,



Sam Elliott,
St. Anthony Basin Resources Inc



Linda Hillier
Town of St. Lunaire/Griquet

PROPONENT:

Name of Corporate Body: St. Anthony Basin Resources Inc.
Town of St. Lunaire/Griquet

Address: St. Anthony Basin Resources Inc.
P.O. Box 69
St. Anthony, NL A0K 4S0

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Principal Contact: Sam Elliott

THE UNDERTAKING:

Name of Undertaking: Iceberg Trail Development

Purpose/Rationale/Need: Tourism is a major economic generator for many regions in the Province. Recent exit surveys suggest that the majority of visitors who come here either participate in hiking activities or even visit the Province with the main objective of hiking our coastline.

The purpose of this undertaking is to enhance the tourism product for the L'Anse aux Meadows to St. Lunaire-Griquet area. This new trail project will provide about four days of continuous hiking along the coastline. It is our aim that this new trail project will extend visitor stay in the region by several days or perhaps even become the sole purpose for visiting the area.

DESCRIPTION OF THE UNDERTAKING:

Geographical Location: The trail head is located at the Viking Monument in L'Anse aux Meadows (NTS MAP SHEET 2M12). It then follows the coastline heading east towards Spillars Cove (NTS MAP SHEET 2M11). It then follows the coast to Noddy Bay and Quirpon Harbour. The trail then continues to head south towards St. Lunaire-Griquet. A small segment of the trail heads to what is known as White Dog Point in NTS Map Sheet 2M05.

We have attached a series of aerial photographs and topographical maps to help outline the trail route and its location in relation to the surrounding communities.

Physical Features: The total length of trail is 46.3 kilometers (counting all linear offshoot routes) but over 50% of the route already exists either as an existing trail (15.3 km) or a road shoulder (12.0 km). About 18.5 km of the total route are new trail construction.

The trail design/construction is not very intrusive. In many cases the route will simply be identified with trail markers and hikers will travel along the natural surface. In other instances, a small 1ft wide trail path will be developed with an aggregate surface. This usually is done in areas with poor drainage.

In areas with severe drainage issues (e.g., wetlands) we may construct simple boardwalks on planks. This would be with rough lumber or larch logs.

In selected areas we may include some log steps, culverts or a small footbridge. These trail surface structures or only installed where needed. The location of all these structures has been outlined in a detailed trail inspection report that was completed back in 2015.

Some sample details of trail construction features has been included in this application.

As already noted, the trail mostly follows the coastline. It will meander through some stands of boreal forest consisting mainly of balsam fir and spruce along with understory hardwood shrubs like alder.

The trail also passes through barren peaty landscapes consisting mostly of low lying plants like crowberry. In some cases we also pass through grasslands and a few fens. Typically wet areas are avoided as much as possible.

There are no major stream crossings along this route but we will require several footbridges. We don't foresee any negative environmental impacts to fish habitat as these are not intrusive structures. There were no major salmon rivers along the route.

Other signs of wildlife noticed along the path are moose, coyote, smaller animals like grouse and rabbit and several varieties of birds. Since we are aiming to have very minimal impact on the landscape we don't anticipate any environmental concerns with the landscape or wildlife.

Construction:

Initial project work began back in June of 2017. The work to date has focused on scouting out trail routes and work on already existing trail segments.

Work will continue into the fall of 2017 and restart in May/June 2018. We will have the work completed in the 2019.

We may begin blazing new trail routes in the late fall of 2017 and the actual construction of trail structures would begin in May/June of 2018.

During the construction phase, we do not anticipate any sedimentation into nearby waterbodies; however, if this becomes an obvious concern, silt traps will be used as a precaution. We do not anticipate any solid waste materials, aside from scrap materials from the construction of wooden elements which will be removed from site.

The only airborne emissions may be from the operation of chainsaws and generators but this is very minimal in nature. Additionally, we do not anticipate any resource conflicts in this area. There is not much value in the wood resources, and there is no known conflict with mining or other natural resources.

Operation:

This is a non-intrusive tourism oriented hiking trail. The only ongoing operations will have to do with regular trail maintenance activities. The trail would be open during the tourism season only (May to November).

Archeology:

We do not anticipate any resource conflicts with the day to day operation of this trail. Since we intend to use the natural walk surface or built structures, there will be little to no excavating along the trail right-of-way. During the Crown Lands application process (for obtaining a Licence to Occupy the trail right-of-way), the project was submitted to various Government Departments for review. At that time, the Provincial Archaeology Office had not expressed any concerns to us, neither do we anticipate any issues from an archeology perspective.

Occupations:

During the construction phase, we anticipate a four person crew will be involved. This crew will work five days a week starting in the fall of 2017 and ending in November of 2019. Work will be paused during the winter months. This four person crew will be obtained through the direct hiring process and we will hire based on qualifications, regardless of age and gender.

St. Anthony Basin Resources Incorporated will use their existing staff to help maintain the trail during the tourism season.

Anticipated occupations for this the development and operation of this undertaking are as follows:

A) 7204 Carpenters – Construction of the trail..

B) 7611 Construction Labourer – Construction of trail.

Project Related

Documents:

Iceberg Trail Development Report – A detailed assessment of the development of the Iceberg Trail.

APPROVAL OF THE UNDERTAKING:

Permits and licenses are as follows:

Licence to Occupy, Crown Lands

Permit to Clear Land from Department of Forestry

Permit for Undertakings Near a Body of Water from DFO

Permit to Alter a Body of Water from the Provincial Department of Environment (for water crossings)

SCHEDULE:

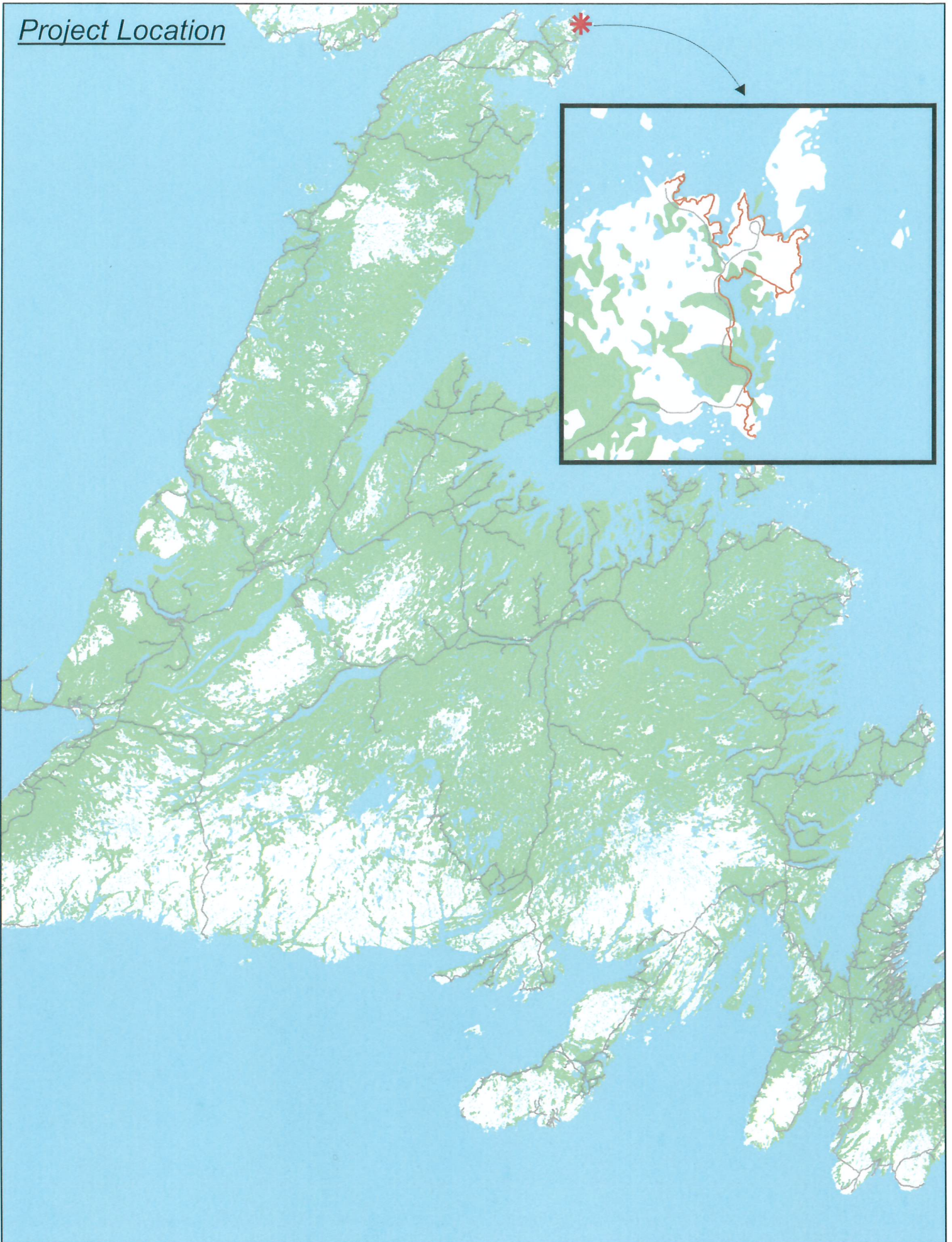
Although some aspects of the project have already started, they are not related to the construction of new trail segments. If possible, construction work could commence as early as October, 2017. This would allow sufficient time for our Environmental Assessment application to be processed. At the latest we would start in May, 2018. This date was selected in the event that the winter season forces us to pause our work.

FUNDING:

We estimate the capital costs of the project to be approximately \$350,110.00

Funding will be provided mainly through ACOA and the Province. Additionally SABRI continues to be a major funding supporter and will contribute about 25% of the total costs.

Project Location





NTS MAP SHEET 2M12



NTS MAP SHEET 2M11



NTS MAP SHEET 2M05

-  Trail
-  Road Shoulder



MAP 1: First 4km of Trail

The trail starts at the monument and follows mostly existing paths. The landscape is mostly barren with a carpet of crowberry and stunted trees and shrubs.

2,941 m existing paths
716 m new trail construction
203 m existing road shoulder

● 500m interval marker

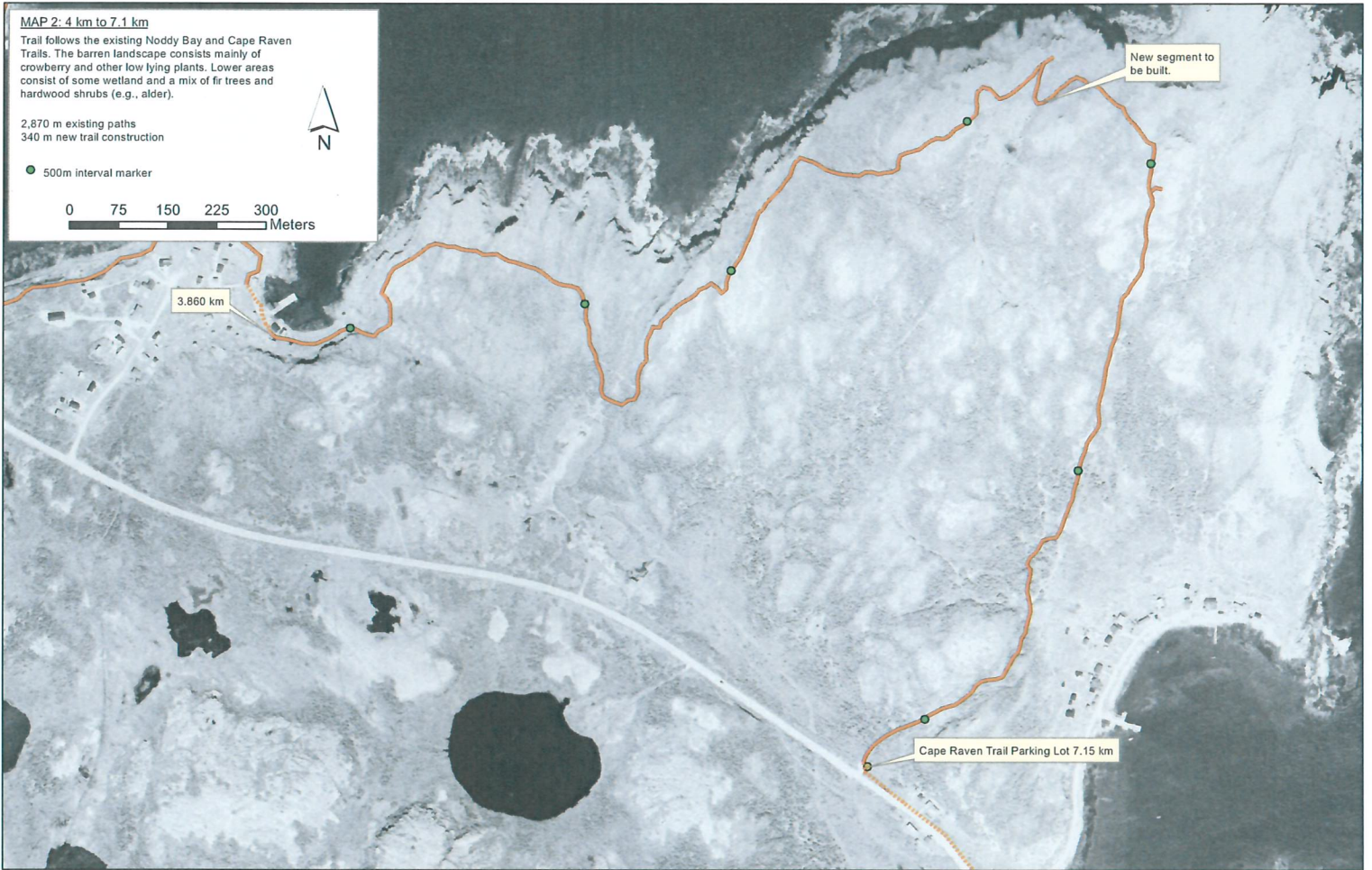
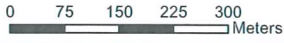


MAP 2: 4 km to 7.1 km

Trail follows the existing Noddy Bay and Cape Raven Trails. The barren landscape consists mainly of crowberry and other low lying plants. Lower areas consist of some wetland and a mix of fir trees and hardwood shrubs (e.g., alder).

2,870 m existing paths
340 m new trail construction

● 500m interval marker



Cape Raven Trail Parking Lot 7.15 km



Noddy Bay

11.25 km

MAP 3: 7.5 km to 11.5 km

Trail follows mostly existing roadside and some segments of existing trail. Barrens and wetland areas are common. Mostly stunted fir/hardwood shrub forest areas.

- 971 m existing paths
- 250 m new trail construction
- 2928 m existing road shoulder

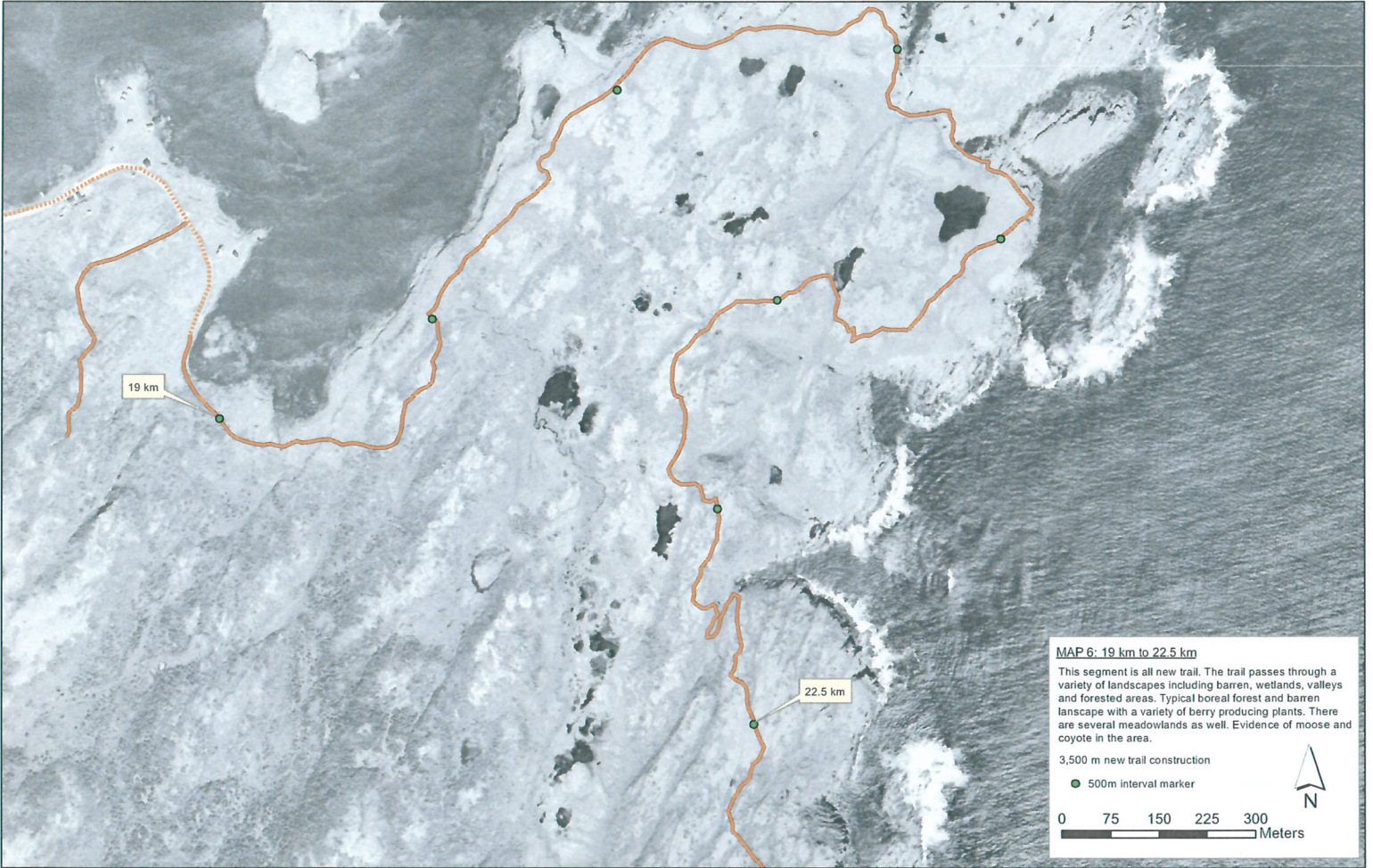
● 500m interval marker



0 75 150 225 300
Meters









22.5

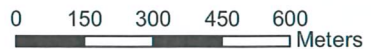
29.5 km

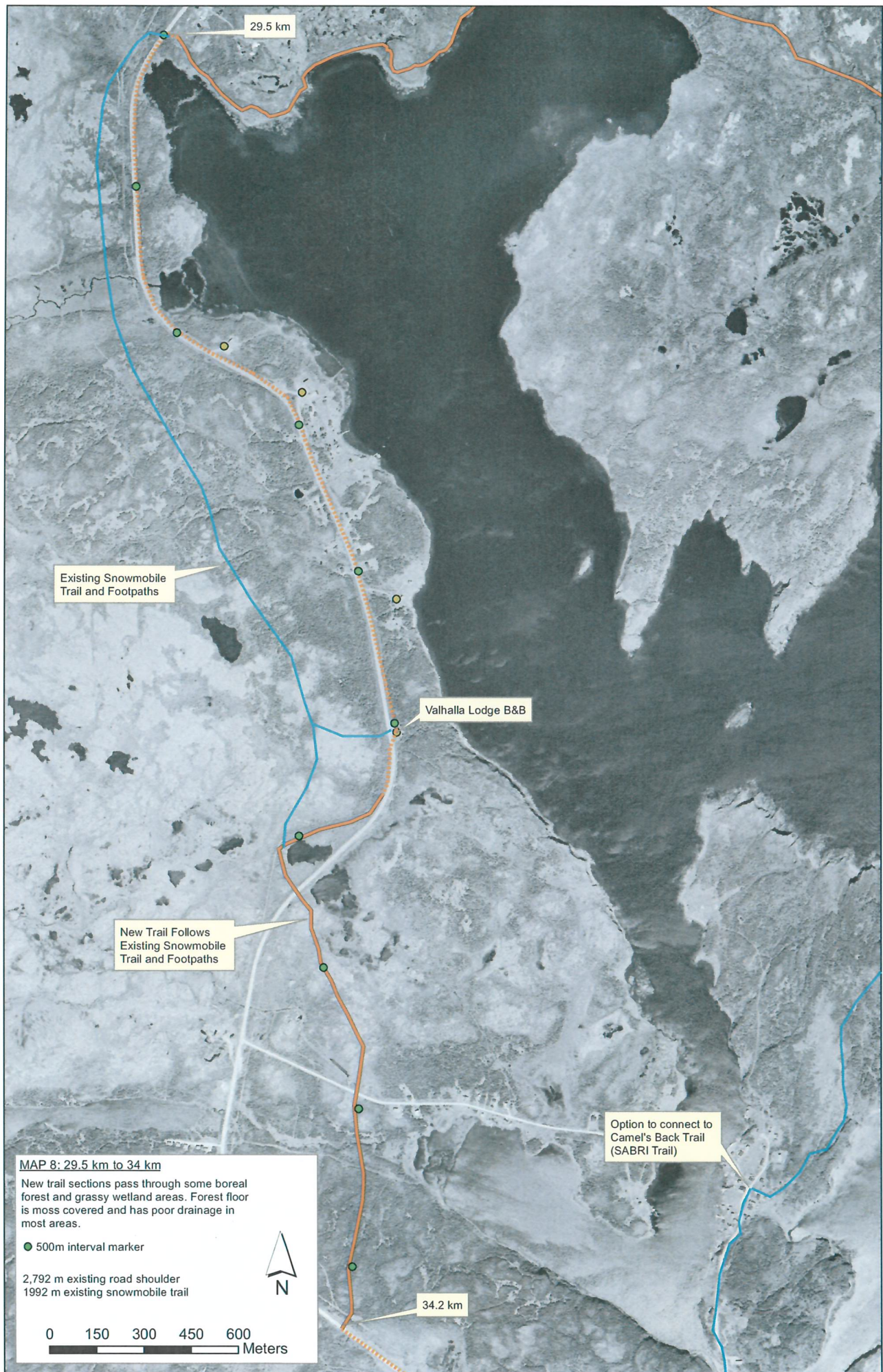
MAP 7: 22.5 km to 29.5 km

This segment is all new trail. The trail passes through a variety of landscapes including barren, wetlands, valleys and forested areas. Typical boreal forest and barren landscape with a variety of berry producing plants. There are several meadowlands as well. Evidence of moose and coyote in the area.

● 500m interval marker

25 m existing road shoulder
6,975 m new trail construction





29.5 km

Existing Snowmobile Trail and Footpaths

Valhalla Lodge B&B

New Trail Follows Existing Snowmobile Trail and Footpaths

Option to connect to Camel's Back Trail (SABRI Trail)

MAP 8: 29.5 km to 34 km

New trail sections pass through some boreal forest and grassy wetland areas. Forest floor is moss covered and has poor drainage in most areas.

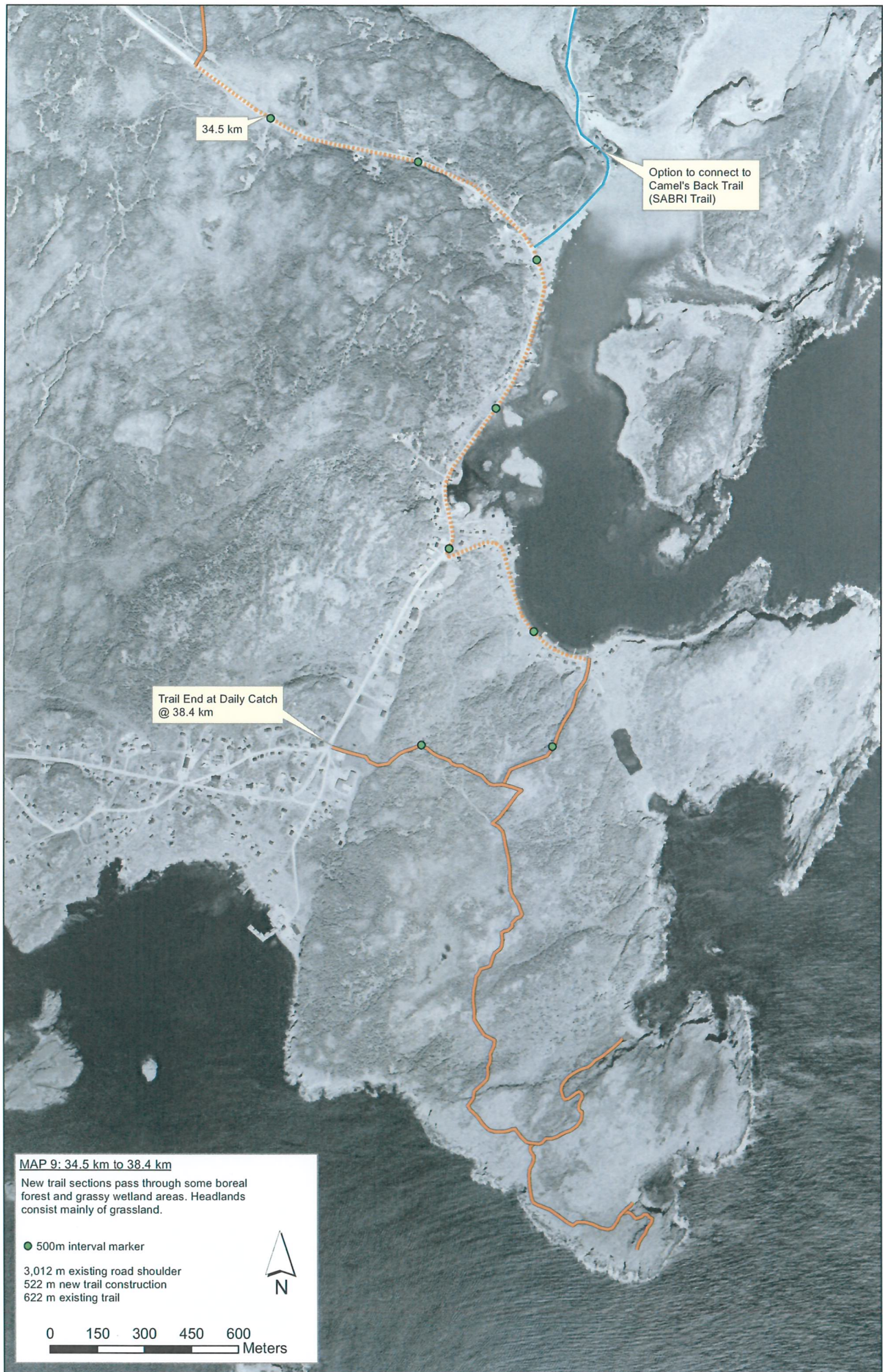
● 500m interval marker

2,792 m existing road shoulder
1992 m existing snowmobile trail

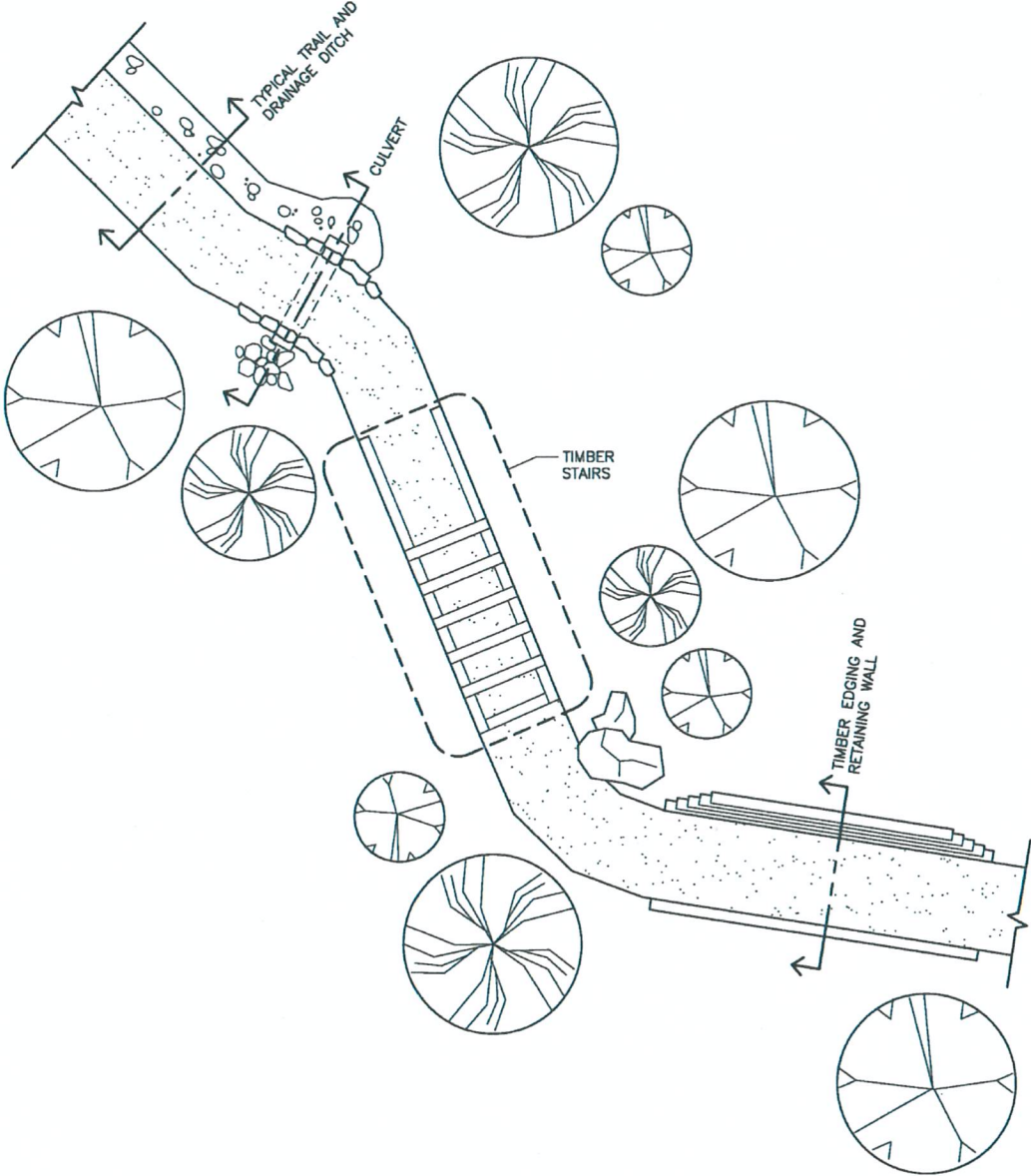


0 150 300 450 600
Meters

34.2 km

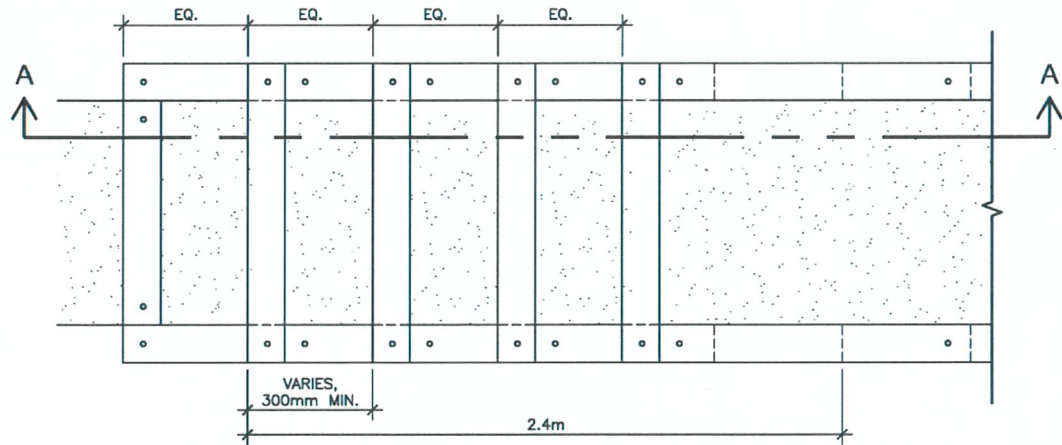


Typical Trail Features

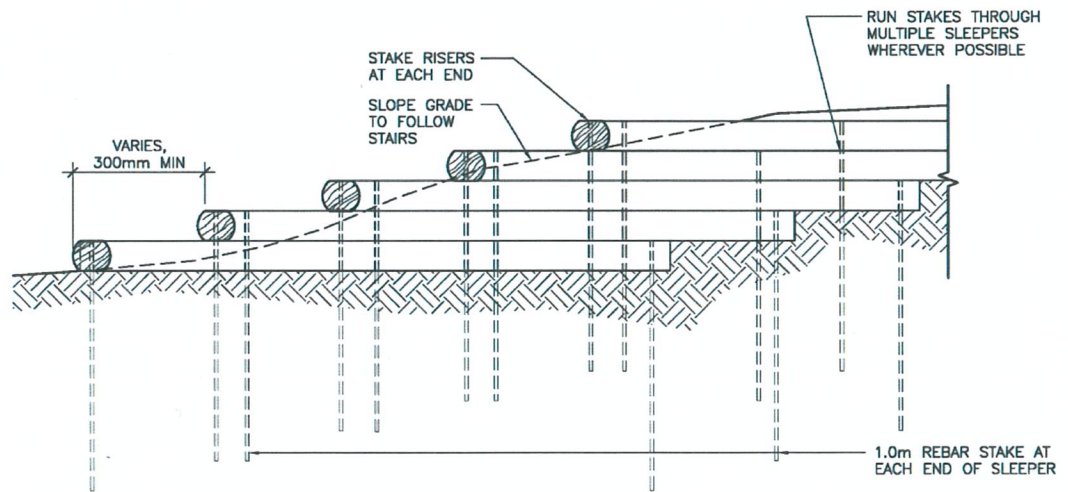


Typical Trail Features

Log Steps



Stair Plan View

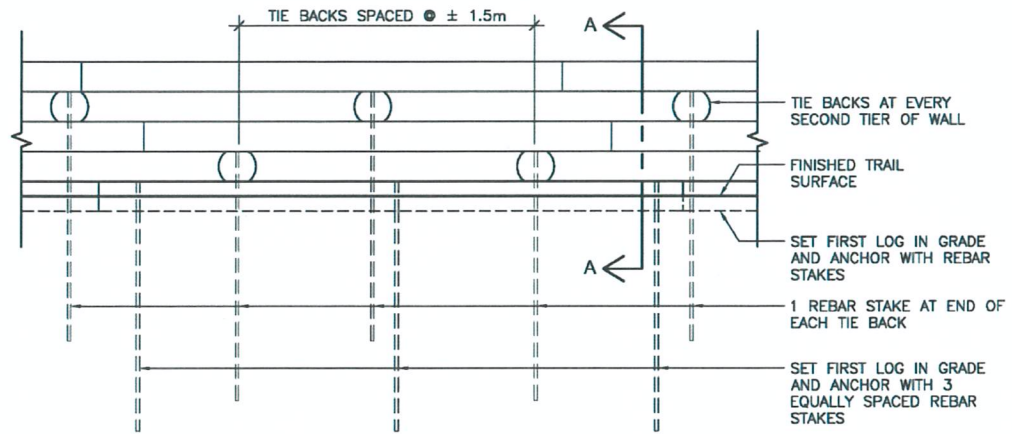


Section 'A'

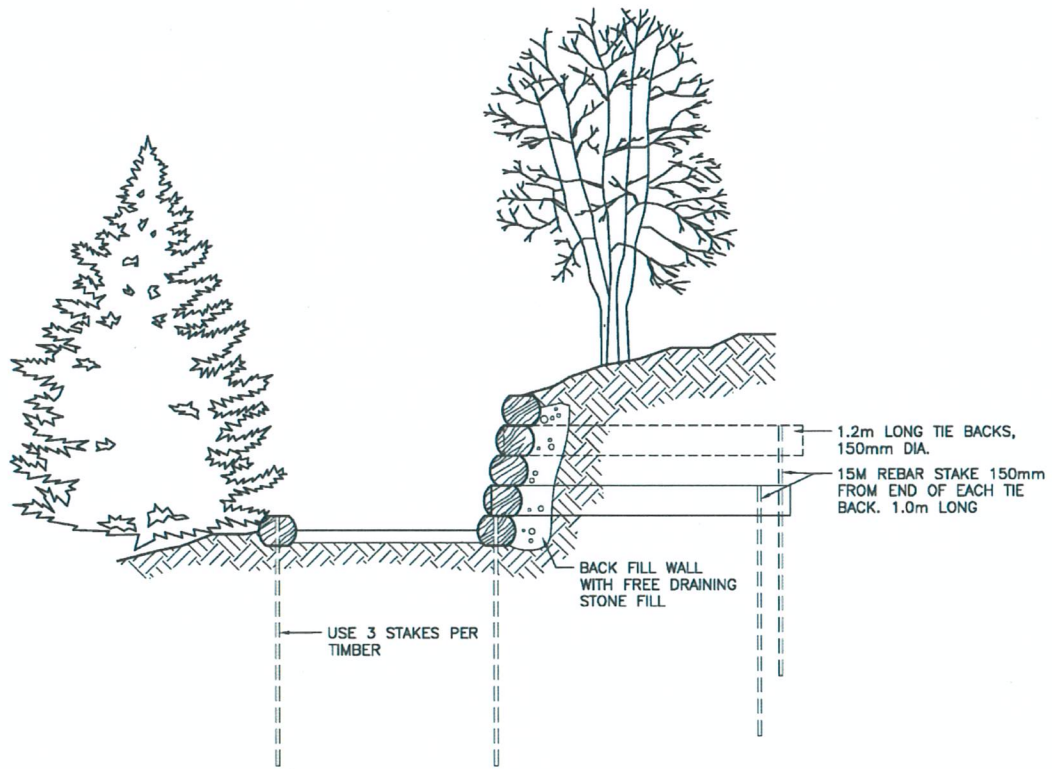
NOTES:

1. ALL STAIR TREADS ARE TO BE OF EQUAL DEPTH, MINIMUM 300mm.
2. EACH SLEEPER MUST BE STAKED WITH REBAR AT EACH END AND HAVE 1 INTERMEDIATE STAKE LOCATED APPROXIMATELY AT MID SLEEPER. ALTER LOCATION OF INTERMEDIATE STAKE AS REQUIRED TO AVOID OTHER STAKES.
3. BACKFILL AND COMPACT FILL BETWEEN SLEEPERS PRIOR TO CONSTRUCTING NEXT STEP
4. USE 20M REBAR FOR STAKES
5. FINISH EACH STEP WITH GRANULAR MATERIAL

Log Edge Retaining

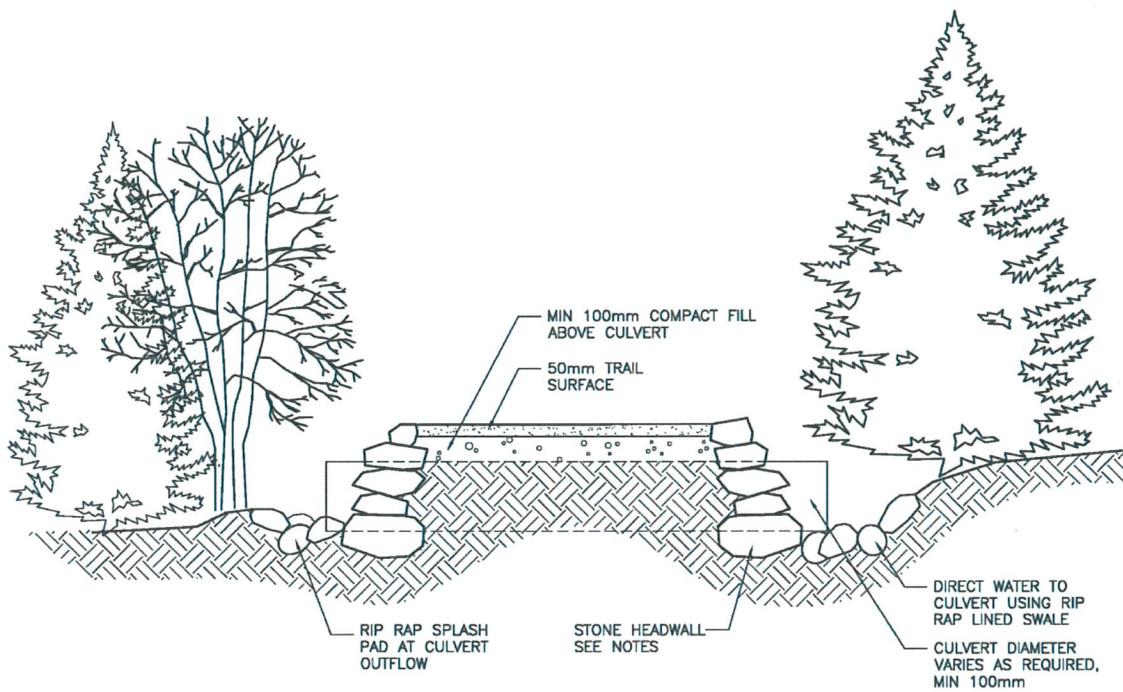


Retaining Wall Elevation



Section 'A'

Culverts



Section Through Culvert

1. AT CULVERT OUTFLOW CONSTRUCT A STONE PAD APPROXIMATELY 1.0m x 1.0m TO PREVENT EROSION
2. USE ANGULAR OR FLAT STONES FOR HEADWALL AND WHEREVER POSSIBLE CHOSE STONES THAT FIT TIGHTLY TOGETHER. USE STONES A MIN. OF 300mm LONG.
3. EXTEND CULVERT 100-200mm BEYOND HEADWALL.
4. ENSURE ADEQUATE SLOPE IN CULVERT TO MAINTAIN FLOW.