Knapsack Reserve Mountain Bike Track

Proposed Track Design - Section 10

Date: Thursday, 22 November 2012
Prepared for: Blue Mountains City Council
Prepared by: BMORC - Tim Rowe, Mark Hawling, Alan David & Michael Hampson

Introduction

The Blue Mountains Off Road Cyclists (BMORC) group has been engaged by Blue Mountains City Council to design and build a sustainable mountain bike track in accordance with the following rulings:

Item 9. 12/14878. Knapsack Reserve Downhill Mountain Bike Track - Review of Environmental Factors

At the Ordinary Meeting of the Council on 13 March 2012, the Council resolved:

- That the Council endorses proceeding with the development of the facility on a staged basis, in accordance with the Staged Implementation Plan as detailed in this paper.

Outcome of SEWPaC assessment on the 24 January 2012.

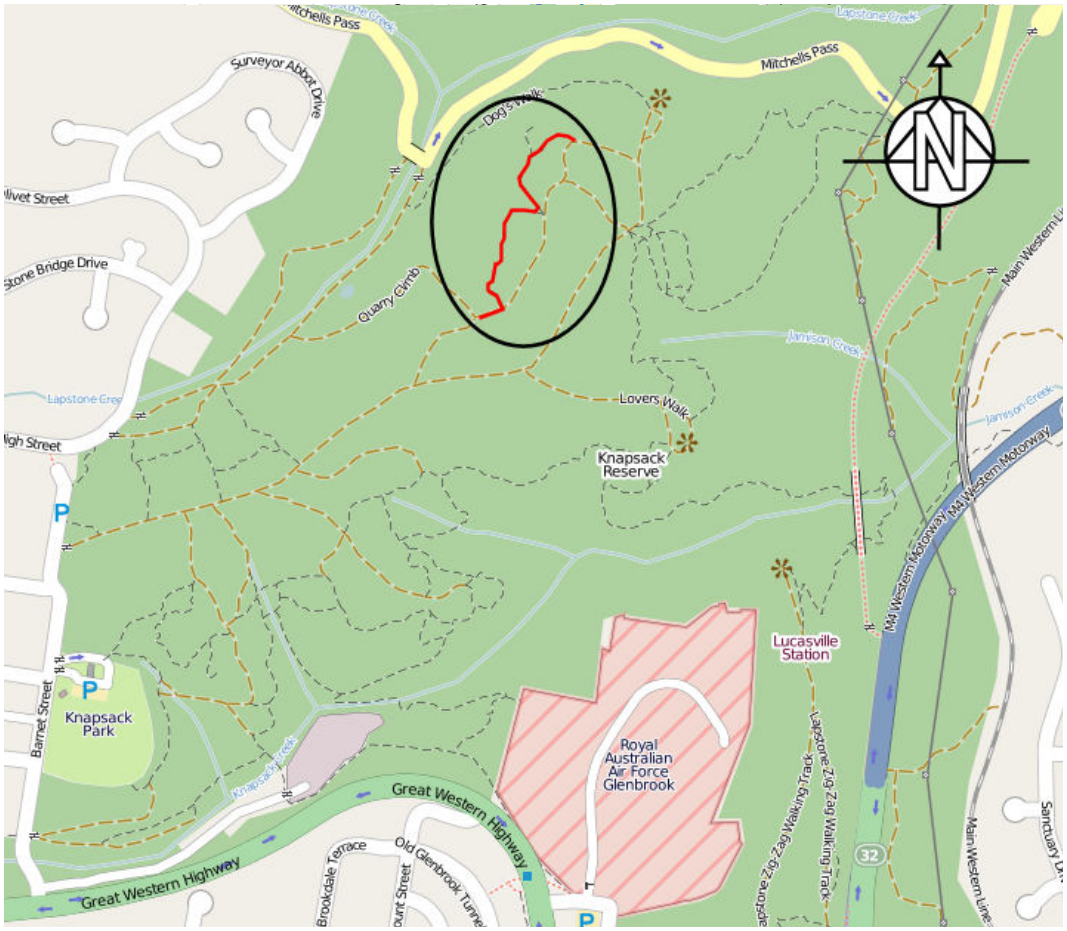
Referral decision: Not a control action if undertaken in a particular manner.

- 1. The proposed downhill and cross country tracks must be designed and constructed according to the measures described in the referral information received on 2 November 2011, additional information received on 9 January 2012, and the International Mountain Biking Association Principles of Track Design and Location as outlined in Section 3.4 and Appendix IV of the 'Sustainable Mountain Bike Strategy' (NSW Office of Environment and Heritage, September 2011);
- 2. All watercourse crossings must be constructed with either a bridge or a rock crossing; and
- 3. Signs stating that the tracks will be closed during a wet weather must be erected prior to commencement of the action.

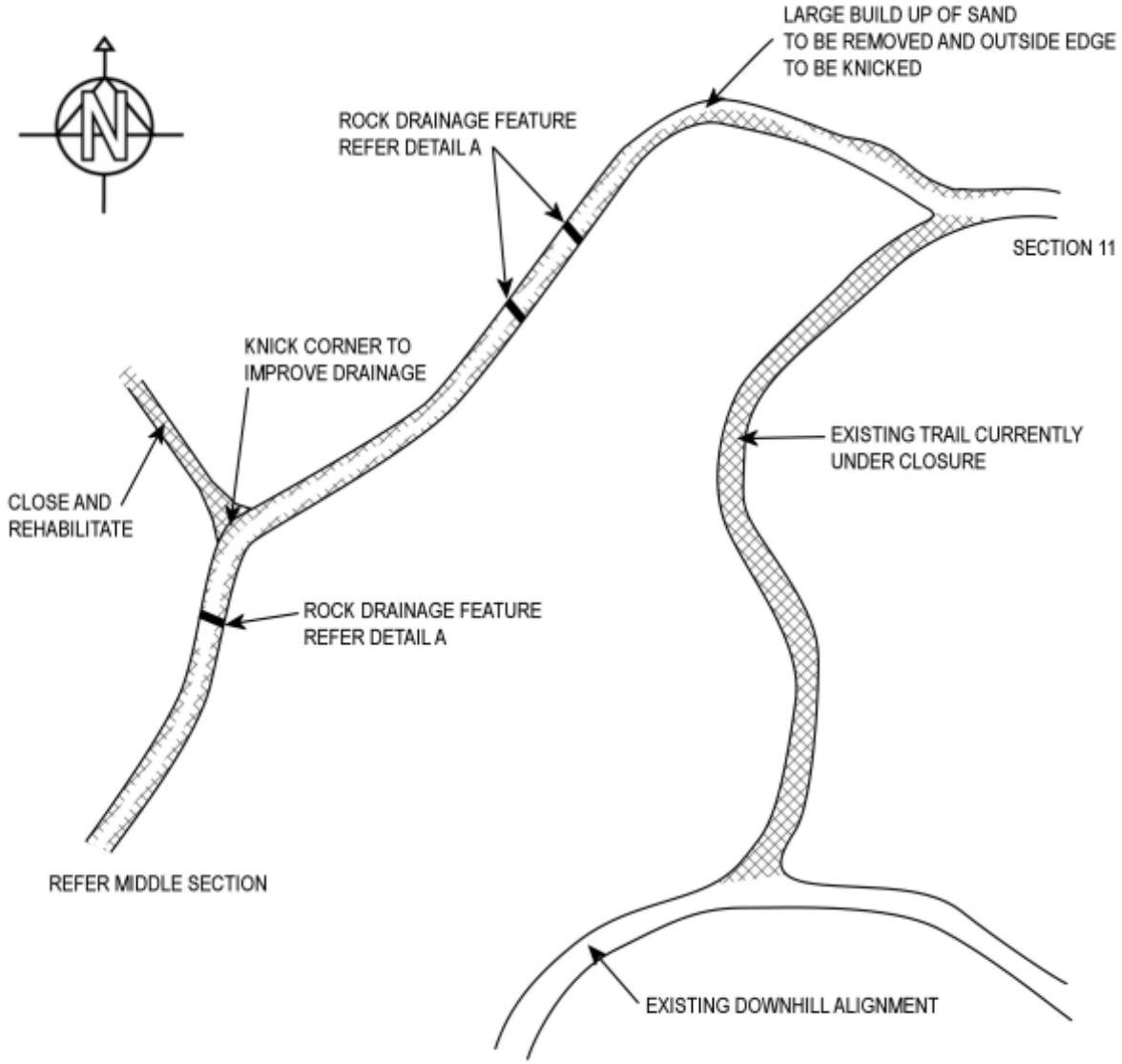
Objectives

- Undertake track rationalisation, narrowing and regeneration opportunities.
- Apply IMBA sustainable track design principles such as;
    - Narrow trail
    - Minor Vegetation trimming
    - Improve drainage

Location of Proposed Works



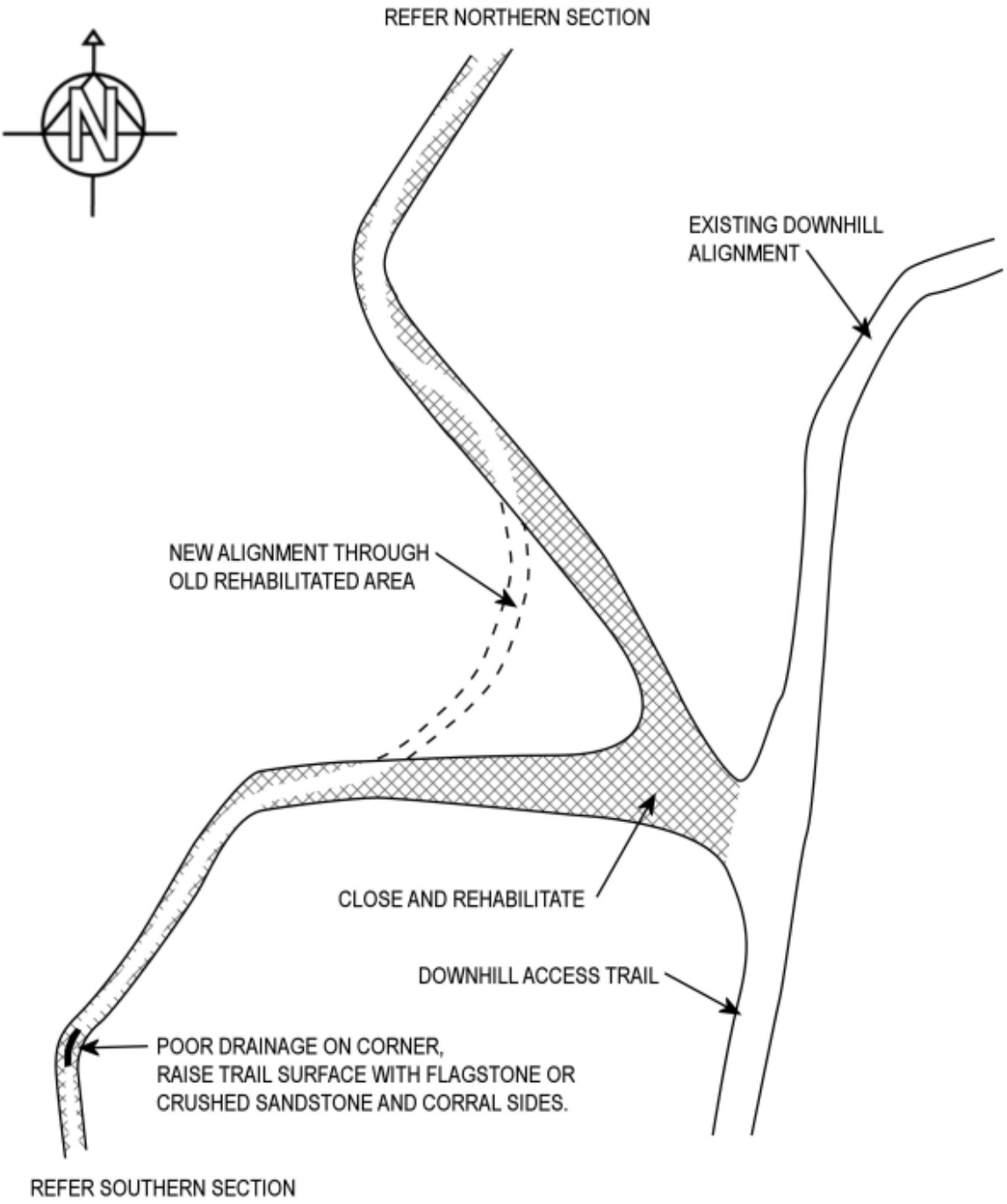
Approximate Layout of Works - Northern Section



Not to scale

Note: layout is for reference only and subject to change on site to suit landscape.

Approximate Layout of Works - Middle Section *(Alignment Option 1)*



Not to scale

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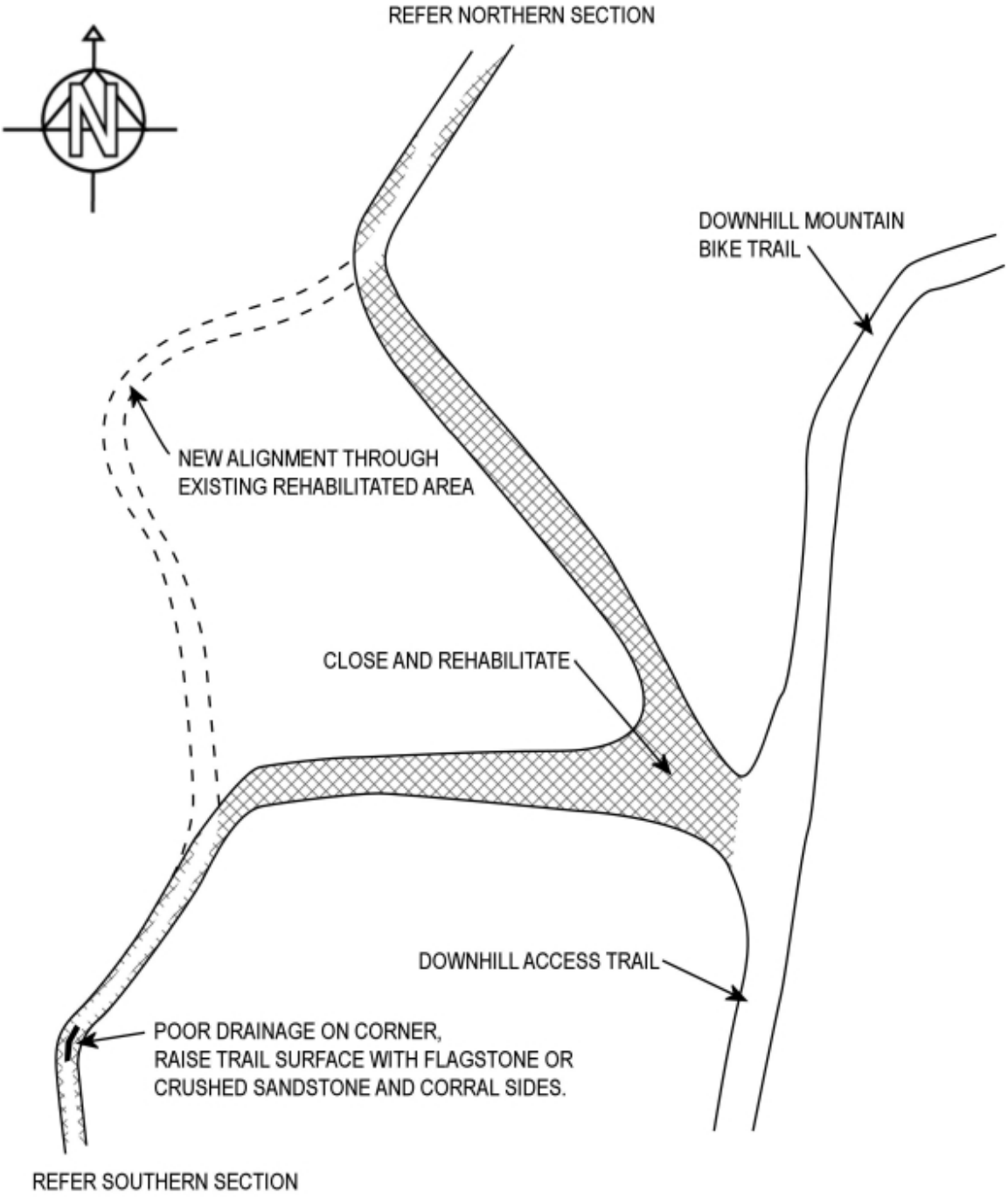
Approximate Layout of Works - Middle Section *(Alignment Option 2)*



Not to scale

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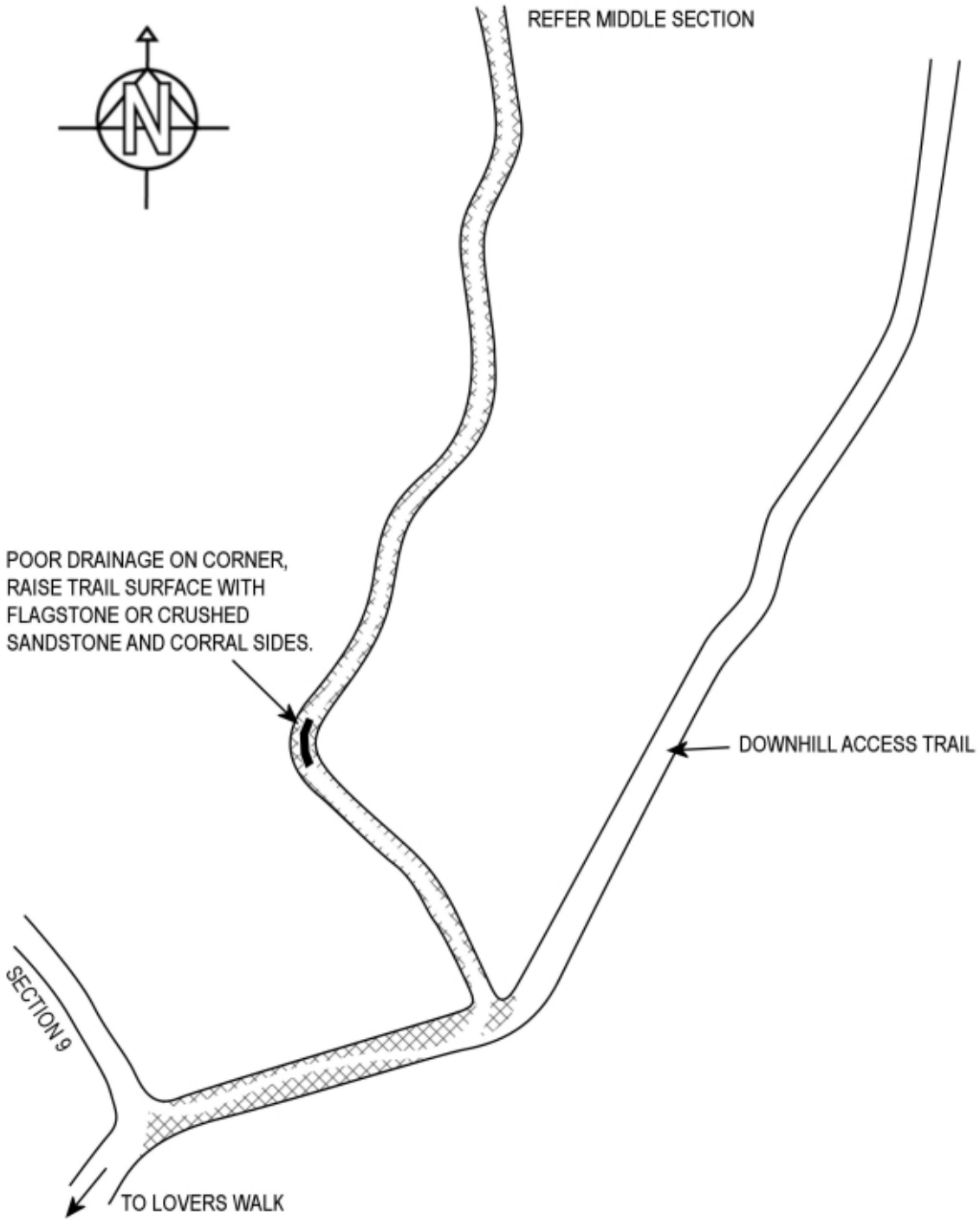
Approximate Layout of Works - Southern Section



Not to scale

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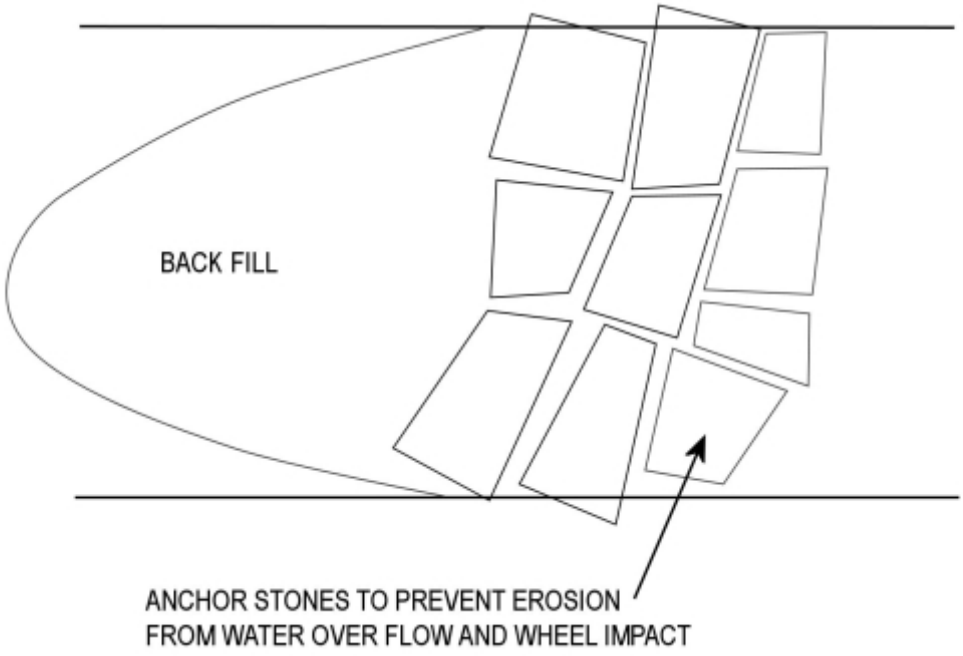
Detail A - Rock Drainage feature



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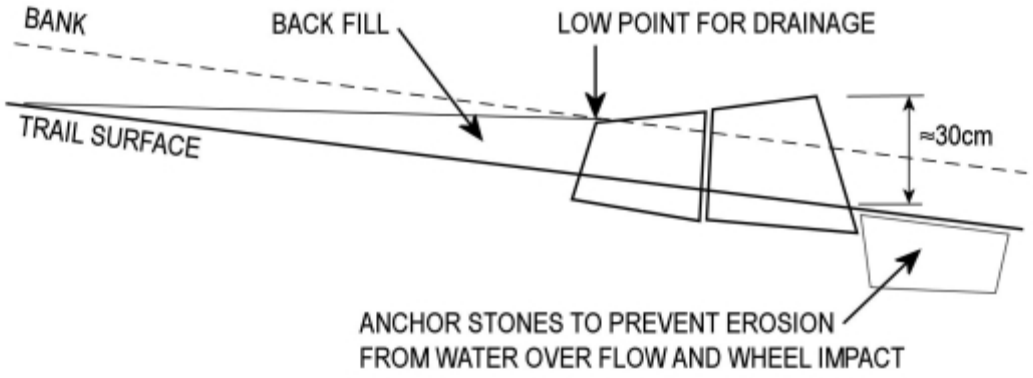
Detail A Cross Section - Rock Drainage feature



Not to scale

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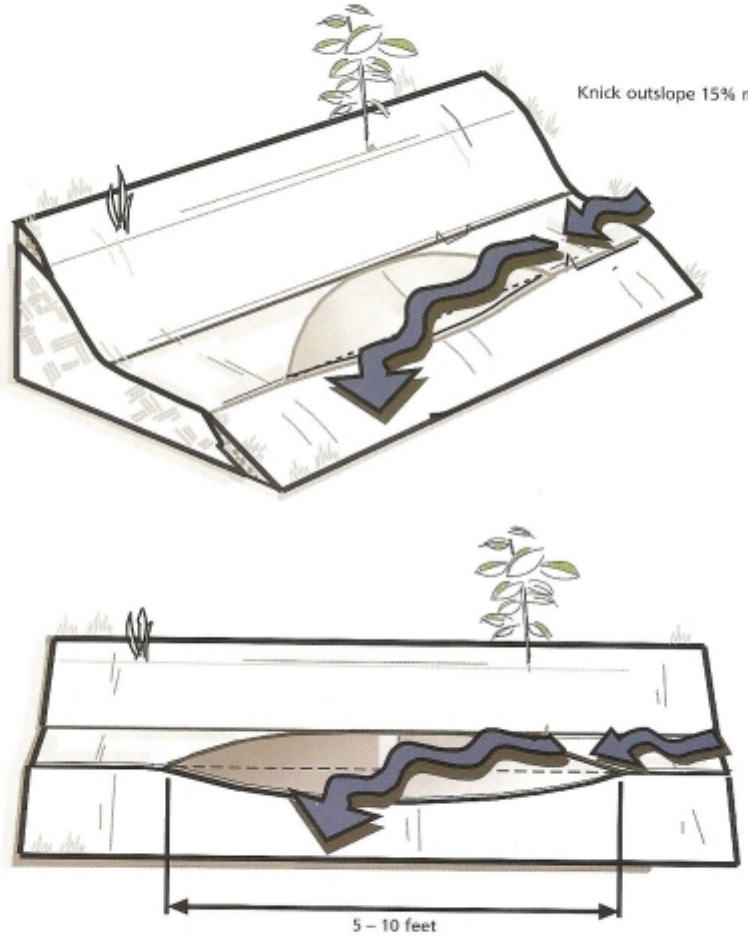
Knicks - (Source: IMBA's guide to building sweet singletrack)

Knicks

A knick is a semi-circular, shaved-down section of trail, about 10 feet in diameter, that is canted to the outside. A knick is smooth and subtle; many visitors won't even notice its presence. The center of the knick is outsloped at about 15 percent, which is what draws water off the trail. For a knick to be effective, there must be lower ground next to the trail tread so that water will have a place to drain. Knicks are typically built on gentle sections of trail where water tends to puddle. Knicks also work well on noncohesive soils such as sand, pumice, and decomposed granite.

Knick