

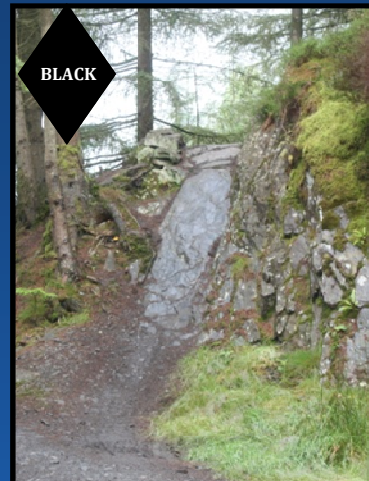


**Technical Trail
Feature:**

DROP OFF

Description: A drop off is a feature on the trail where the rider will undertake a step down from a high level to a low level. Commonly stone is used in drop off features as it is not subject to rot or erosion and can take continual impacts. At the moderate (blue) end of the scale a drop off may be no more than a 10cm step down which will cause the rider a minor disturbance in the ride. At the severe (Black) end of the scale the drop off may be several feet which will require significant commitment to the feature and high levels of skill. A drop off may be distinguished from 'jumps' by short entry and exit sections reducing speed required in a jump.

Images:



Construction Methodology: (Please refer to detail on reverse of this document)

A drop off may be constructed from boulders and large rocks /slabs found on site or have been imported from appropriate local sources. Natural rock features may also be adapted to create the features. Appropriate machinery should be used to move earth/stone to create desired levels for height differences and excavate a bed into the existing route surface into which boulders may be set. A dumper may be used to bring boulders on to the site and tip them in rough positions. Hand tools may be used by multiple labourers to align the boulders into final position. Boulders should be set with at least 30% of their mass within the ground to avoid movement.

Construction Materials:

- Locally won boulders of varying size
- Locally won stone

Construction Machinery:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Dumper | <input checked="" type="checkbox"/> Hand Tools |
| <input type="checkbox"/> Whacker Plate | <input type="checkbox"/> Roller |
| <input checked="" type="checkbox"/> 360° Excavator | <input type="checkbox"/> Other (See comments) |

Health and Safety and Construction Design Management:

The main health and safety issues to be addressed with relation to the construction activity will be: **The presence of large machinery, manually moving heavy weights, communication when working in remote locations and protection of public and unofficial persons as well as staff on site**. CDM regulations apply to any trail build project. If more than 500 person days or 30 working days on site are due to be completed the project will be notifiable to the Health and Safety Executive and a CDM coordinator will need to be appointed—Tel: HSE 0845 345 0055.

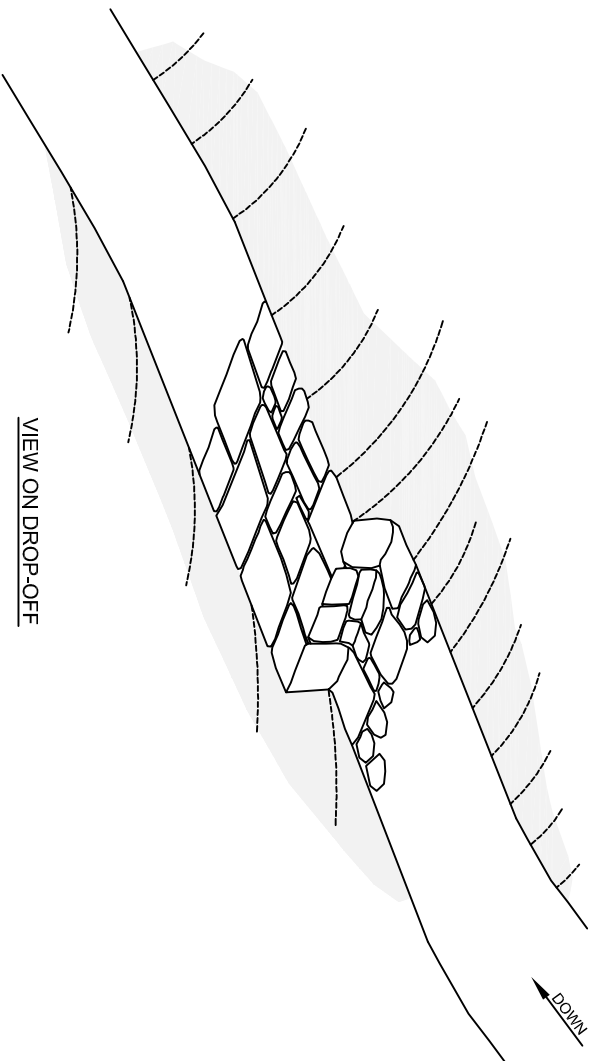
Cost:

£150/ item avg. (October 2009)

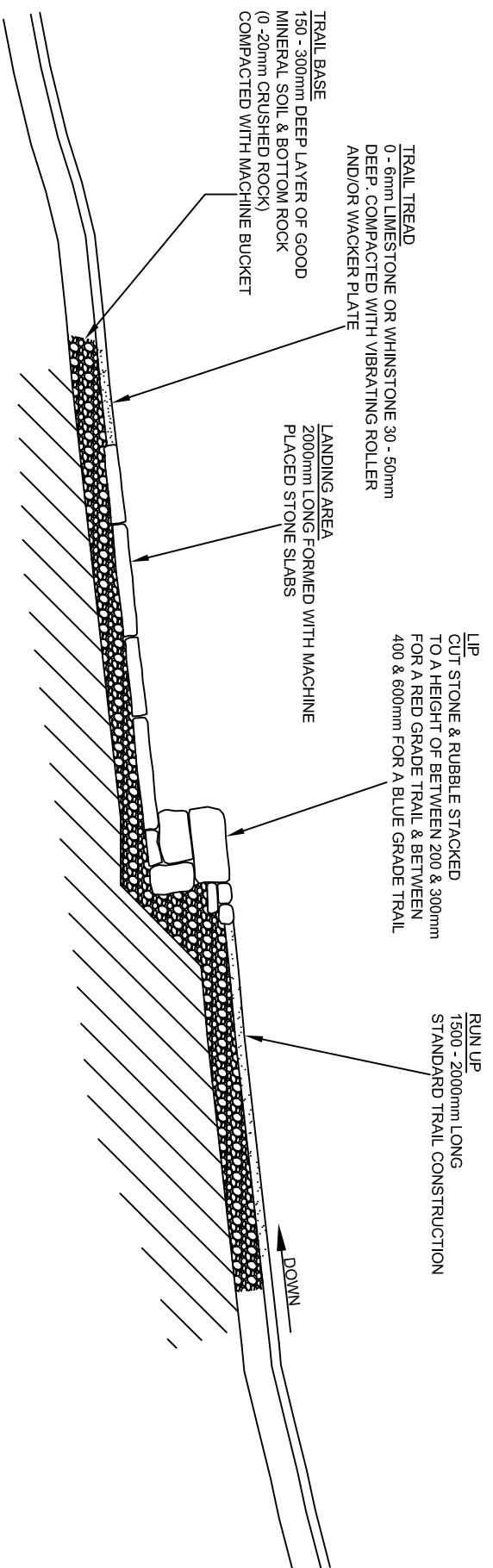
It should be noted costs are estimated and will depend on site conditions and have been pro-

Design Comments

Drop offs need to have a suitable stone landing area (often slabs) installed as part of the feature. This will prevent erosion of the trail surface immediately following the feature which increases durability.



VIEW ON DROP-OFF



TYPICAL LONGITUDINAL SECTION THROUGH DROP-OFF

1. All dimensions are shown in millimetres
 2. Trail surface should be smooth. All stumps & other fall hazards such as sprags or pointed rocks should be removed from the trailway.

REV	DATE	BY	DESCRIPTION	CHEK	APP

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DRAWING STATUS: TENDER

BETTER BY BIKE
Britain's First Cycling City

10SW

BRISTOL COUNCIL

PROJECT: ASHTON COURT ESTATE MOUNTAIN BIKE TRAILS

TITLE: DROP OFF DETAIL

SCALE & SIZE: N15	DESIGNED: JD	APPROVED: DN
CDW FILE: N/A	DRAWN: DC	DATE: NOV 09
START CHANGE: N/A	ISSUED: N/A	REV: 0