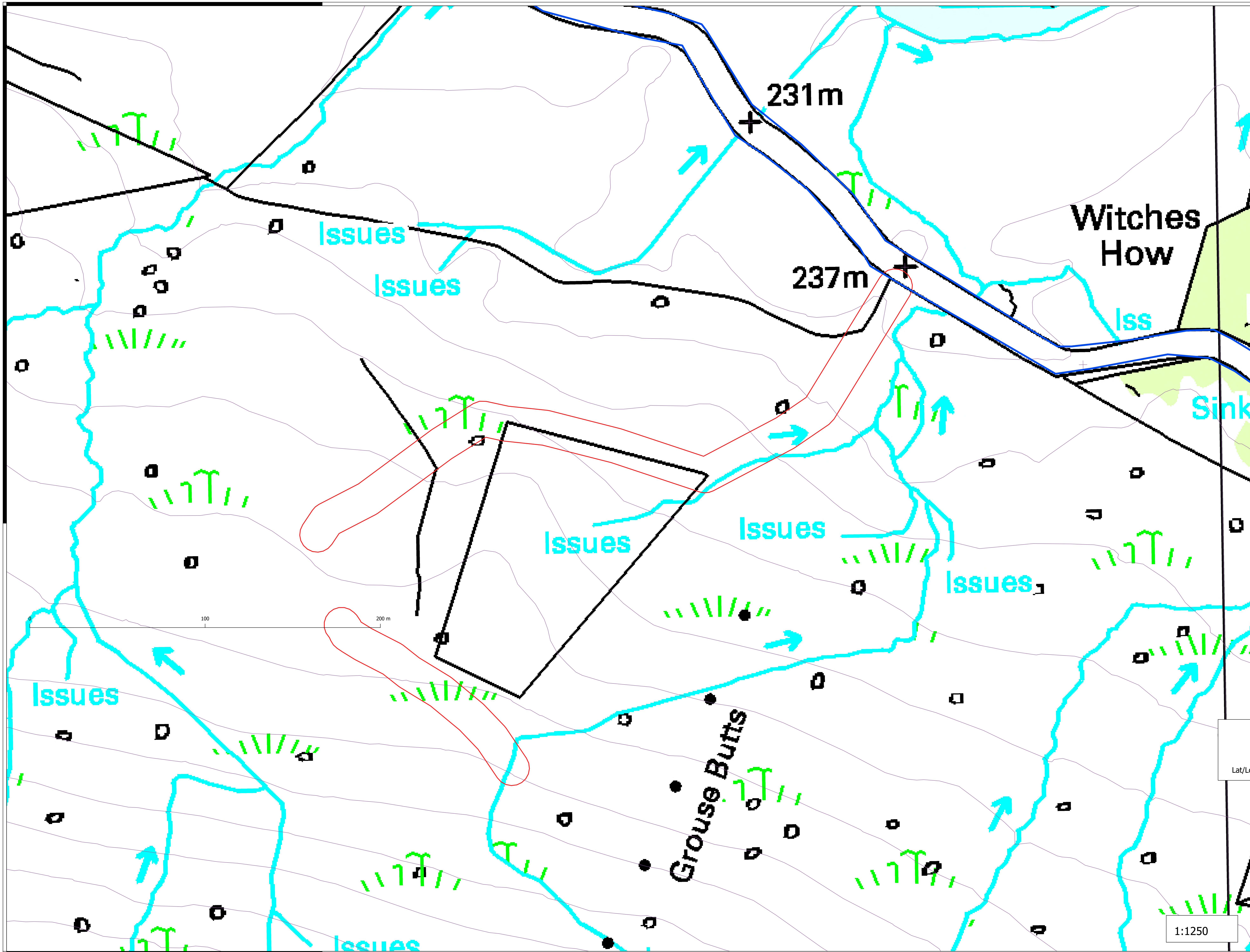


AGENDA ITEM 8

APPENDIX I

2021/0262/DET

PLANS



Glen Clova Estate

The Saddles
 Location Plan & Site
 Ownership
 (1:1250)

■ Glen Clova Estate - Boundary
 □ Site Boundary

Witches
 How

231m

237m

Issues

Issues

Iss

Sink

Issues

Issues

Issues

Issues

Grouse Butts

Issues

Date: 01/04/2021
 Drawn by: DB

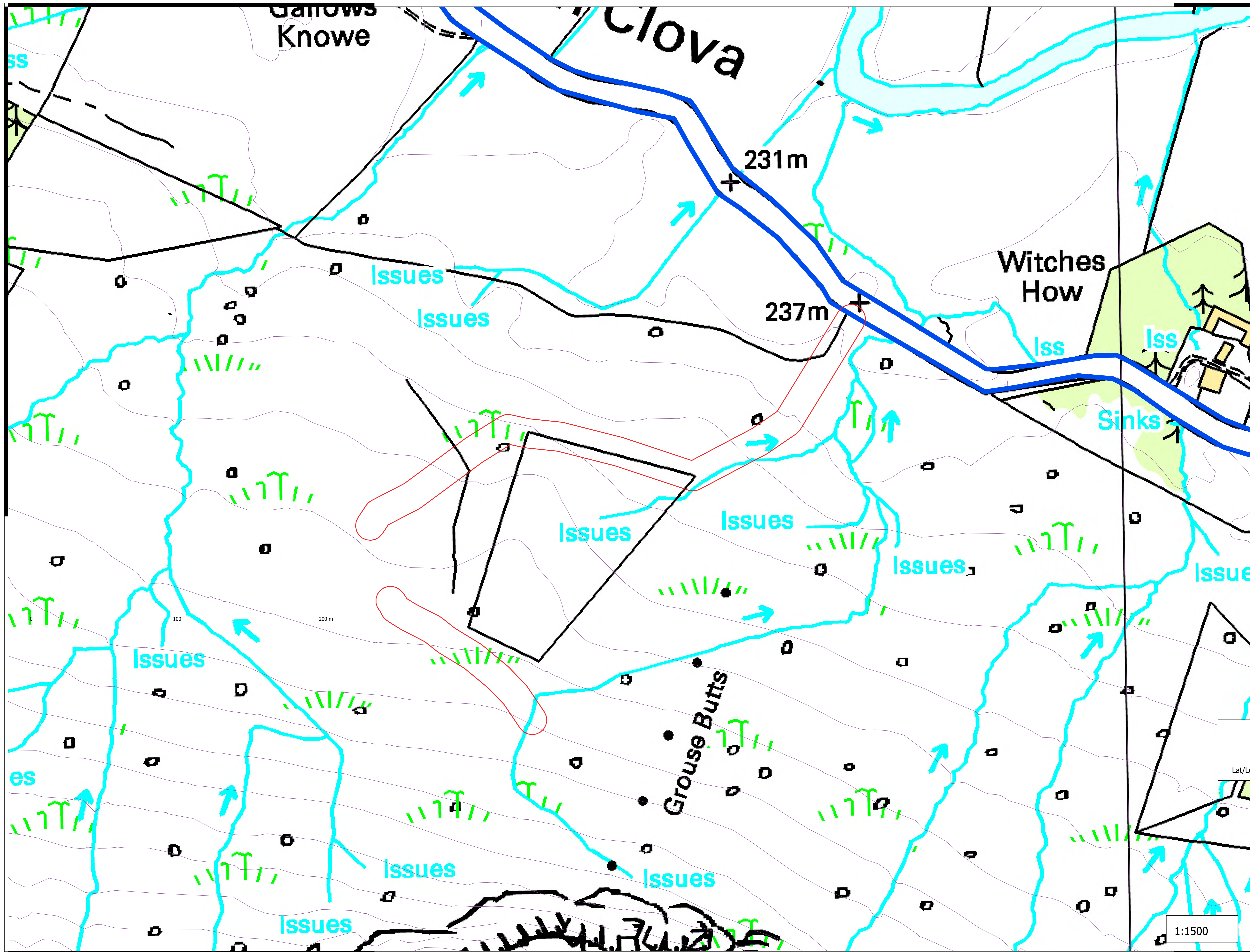
Site Entrance
 Grid Ref: NO 328 724
 Postcode: DD8 4QQ
 Lat/Long - 56.838903 -3.1028223

Tilhill
 FORESTRY

Unit 1, Duckburn Park,
 Stirling Road
 Dunblane, FK15 0EW
 Tel: 01786 821666

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1:1250



Glen Clova Estate

The Saddles
 Location Plan & Site
 Ownership
 (1:1500)

■ Glen Clova Estate - Boundary
 □ Site Boundary

Date: 11/05/2021
 Drawn by: DB

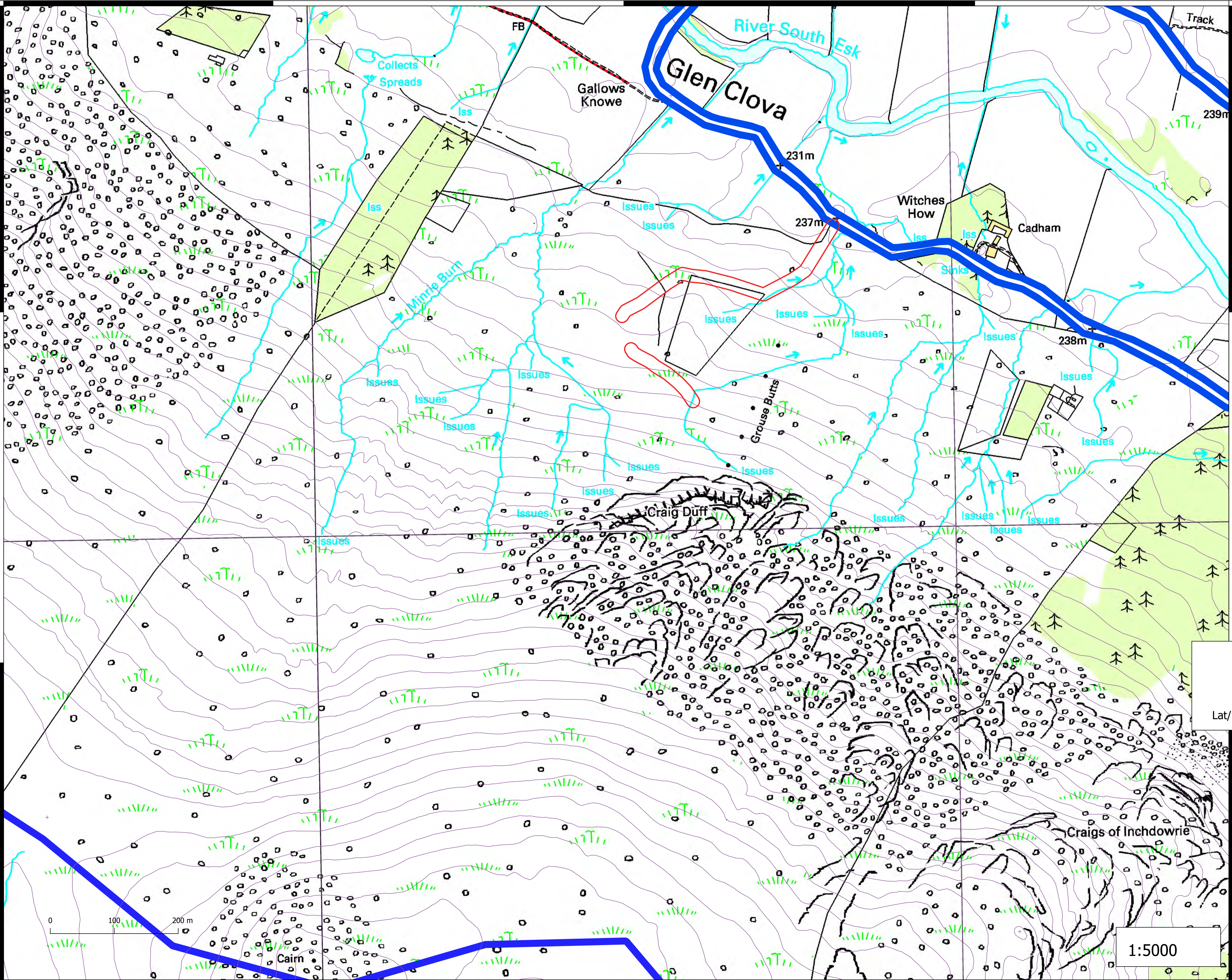
Site Entrance
 Grid Ref: NO 328 724
 Postcode: DD8 4QQ
 Lat/Long - 56.838903 -3.1028223

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1:1500



Glen Clova Estate

The Saddles
 Supplementary Location Plan
 (1:5000)

■ Glen Clova Estate - Boundary
 □ Site Boundary

Date: 01/04/2021
 Drawn by: DB

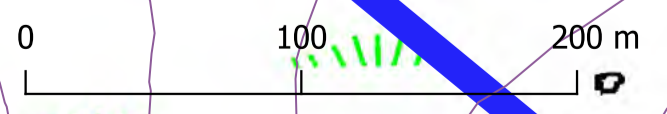
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 Postcode: DD8 4QQ
 Lat/Long - 56.838903 -3.1028223



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1:5000

- Access Point
- Glen Clova Estate - Boundary
- Water crossings
- New - 450mm Culvert
- Existing Drains
- Ver 5 - Access tracks and paths
- ATV track - Existing
- Landrover Track - Existing

Issues
Issues

237m

Current Land rover track is visible in the surrounding landscape due to shaping of spoil from drainage works.

Track drainage has insufficient culverting causing scouring.

Mitigation - Insert additional, 300-450mm culverts to divert track water. Use excess spoil to reprofile the drains, insert blocks to assist with culverting. Seed batters and profile where necessary

Issues

Issues

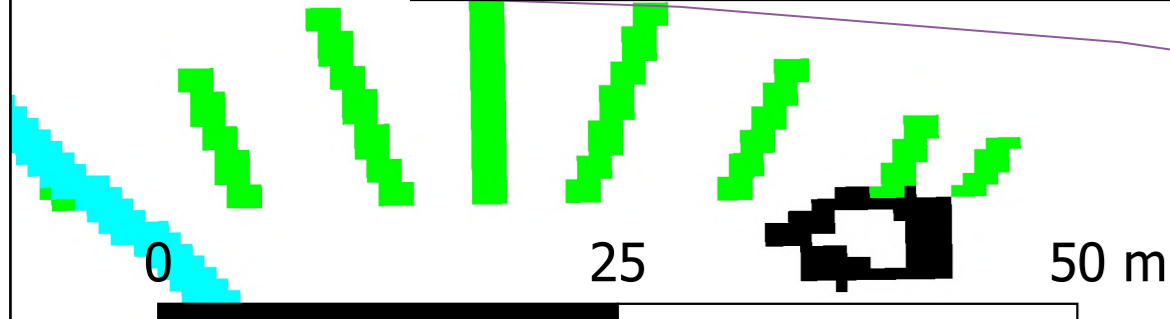
Is

Butts

Heaped and shaped spoil is visible in the surrounding landscape

Mitigation - Backfill the drain and place submerged land drainage pipe if necessary. Re vegetate or re-seed restored area.

Future plan - upgrade current informal ATV track linking existing and proposed access tracks



Site Entrance

Grid Ref: NO 338 719
Postcode: DD8 4QQ

Lat/Long - 56.833867 -3.0863267

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Dunblane, FK15 0EW
Tel: 01786 821666

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- Glen Clova Estate - Boundary
- Site Boundary
- Ver 5 - Access tracks and paths copy
- ATV track - Existing
- Landrover Track - Existing
- Water crossings
- New - 450mm Culvert

Current Land rover track is visible in the surrounding landscape due to shaping of spoil from drainage works.

Track drainage has insufficient culverting causing scouring.

Mitigation - Insert additional, 300-450mm culverts to divert track water. Use excess spoil to reprofile the drains, insert blocks to assist with culverting. Seed batters and profile where necessary

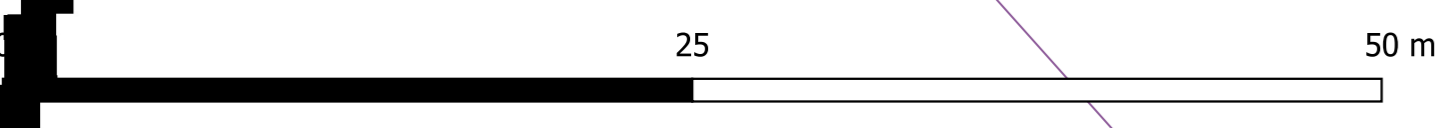
237m

Issues

Issues

Date: 11-06-21
Drawn by: DB

Site Entrance
Grid Ref: NO 328 724
Postcode: DD8 4QQ
Lat/Long - 56.838903 -3.1028223



1:500

Tilhill
FORESTRY

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Stirling Road
Dunblane, FK15 0EW
Tel: 01786 821666

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- Glen Clova Estate - Boundary
- Site Boundary
- Ver 5 - Access tracks and paths copy
- - - ATV track - Existing
- - - Landrover Track - Existing
- Water crossings
- New - 450mm Culvert

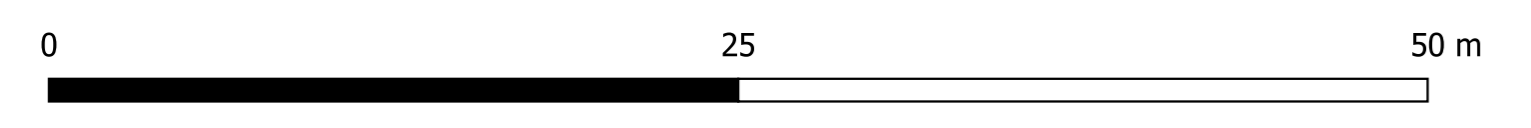
Current Land rover track is visible in the surrounding landscape due to shaping of spoil from drainage works.
Track drainage has insufficient culverting causing scouring.
Mitigation - Insert additional, 300-450mm culverts to divert track water. Use excess spoil to reprofile the drains, insert blocks to assist with culverting. Seed batters and profile where necessary

Issues

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Mitigation - Backfill the drain and place submerged land drainage pipe if necessary. Re vegetate or re-seed restored area.
Future plan - upgrade current informal ATV track linking existing and proposed access tracks

Date: 11-06-21
Drawn by: DB

Site Entrance
Grid Ref: NO 328 724
Postcode: DD8 4QQ
Lat/Long - 56.838903 -3.1028223



1:500

Tilhill
FORESTRY

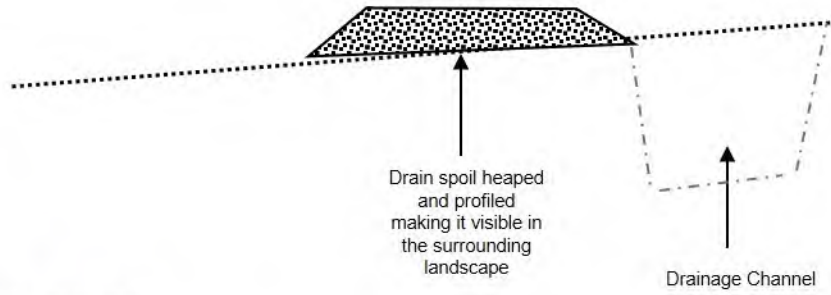
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Tel: 01786 821666

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Site – Glen Clova Estate – The Saddle
Drain Backfilling

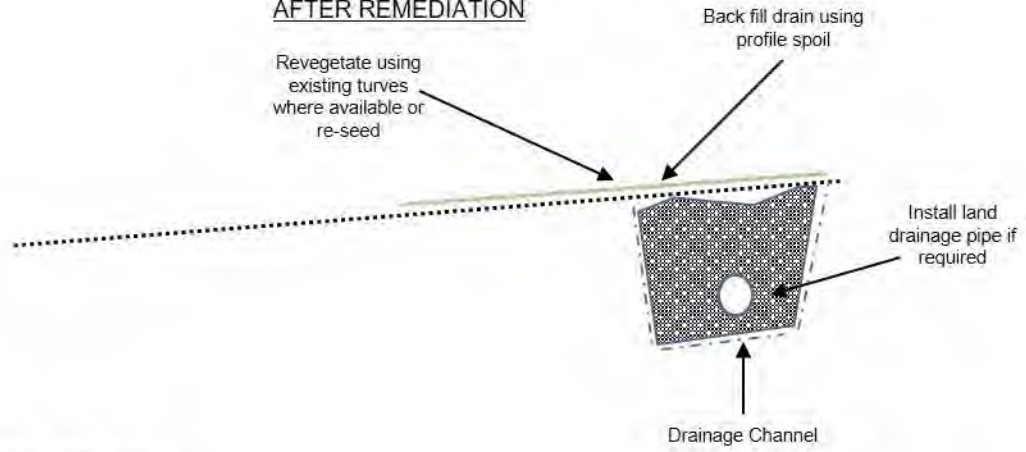


Refilling Drainage channel
BEFORE REMEDIATION



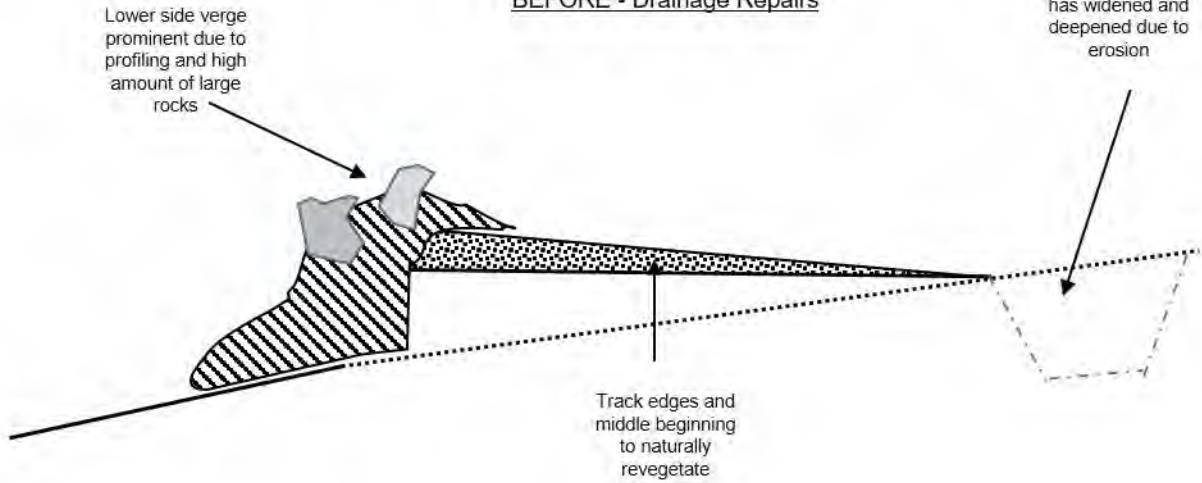
Date – 11/03/2021

Refilling Drainage channel
AFTER REMEDIATION



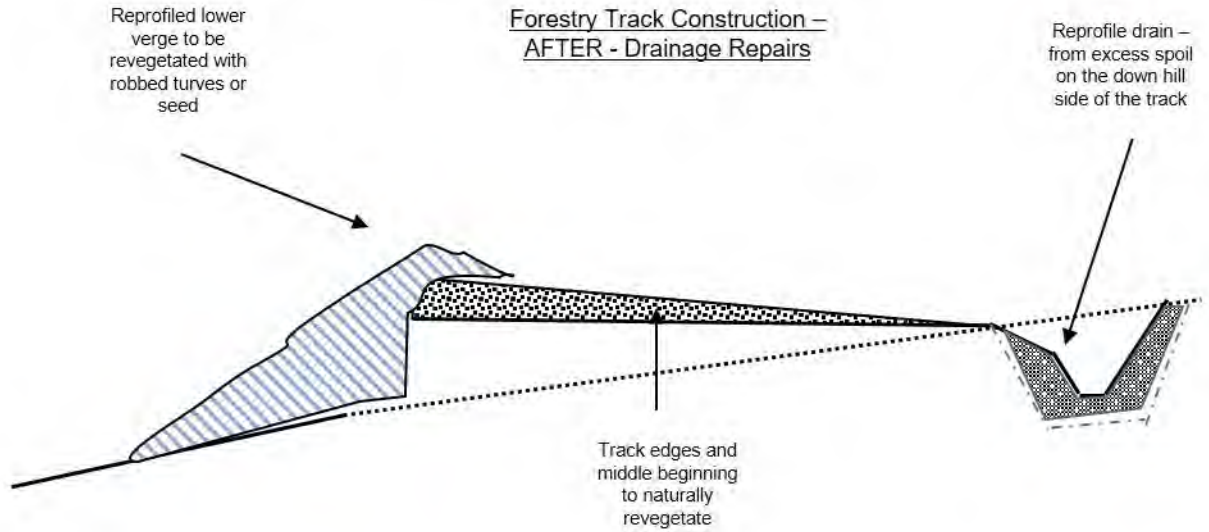
Date – 11/03/2021

Forestry Track Construction –
BEFORE - Drainage Repairs



Date – 11/03/2021

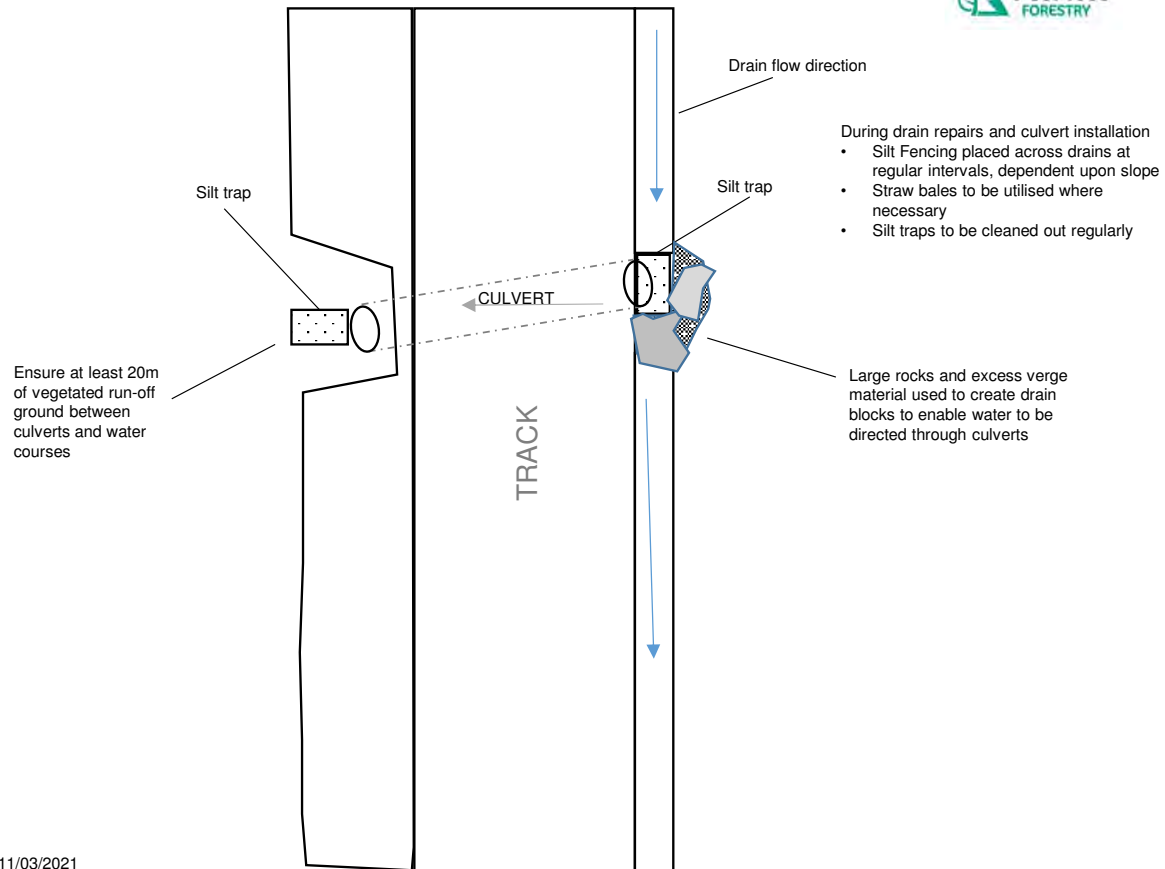
Site – Glen Clova Estate – The Saddle
Drain Repair



Date – 11/03/2021

Site – Glen Clova Estate – The Saddle
Retro-fitting Culverts

Culvert Installation – Plan



- During drain repairs and culvert installation
- Silt Fencing placed across drains at regular intervals, dependent upon slope
 - Straw bales to be utilised where necessary
 - Silt traps to be cleaned out regularly

Date - 11/03/2021

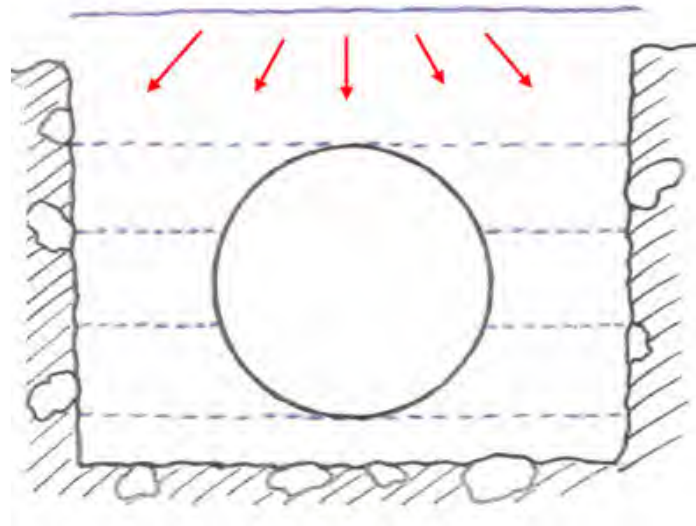
Site – Glen Clova Estate – Caddam

Relief Culvert
Installation



A thick layer of good stone is needed above the pipe to spread the load. Consult manufacturers guidance for installation

Fill trench with good stone. Fill in 150mm layers, firming down between each layer to ensure that it is well packed.



Trench is wide enough to backfill pipe. Cut trench to allow at least 30cm between pipe and side of trench to give enough space to compress stone.

The pipe need to lie on a 100mm firmed bed of good quality material