

5 Summary and Conclusion

5.1 Summary

HEC has been commissioned by the Client to carry out a Drainage Impact Assessment to support a planning application for the construction and operation of a 200 MW BESS with associated infrastructure, access and ancillary works on land north-east of Corriemoillie Substation.

It is proposed to discharge surface water to the nearest watercourse adjacent to the site's southern boundary which connects downstream to Allt Coire Mhuilidh. Attenuation has been provided for the 1 in 200-year event with a restricted discharge matching the Qbar greenfield run-off rate.

An interception ditch has been designed to prevent upstream overland flow from affecting the proposed development area.

The use of filter drains and an attenuation basin provides the appropriate mitigation for the pollutants likely for this type of development.

The surface water drainage system should be maintained to ensure the system operates at its maximum capacity for the lifetime of development. This is provided for through the management and maintenance plan submitted as part of the application.

5.2 Conclusion

The drainage strategy complies with guidance; surface water generated by the Proposed Development can be attenuated on site in the relevant extreme event and discharged to a watercourse.

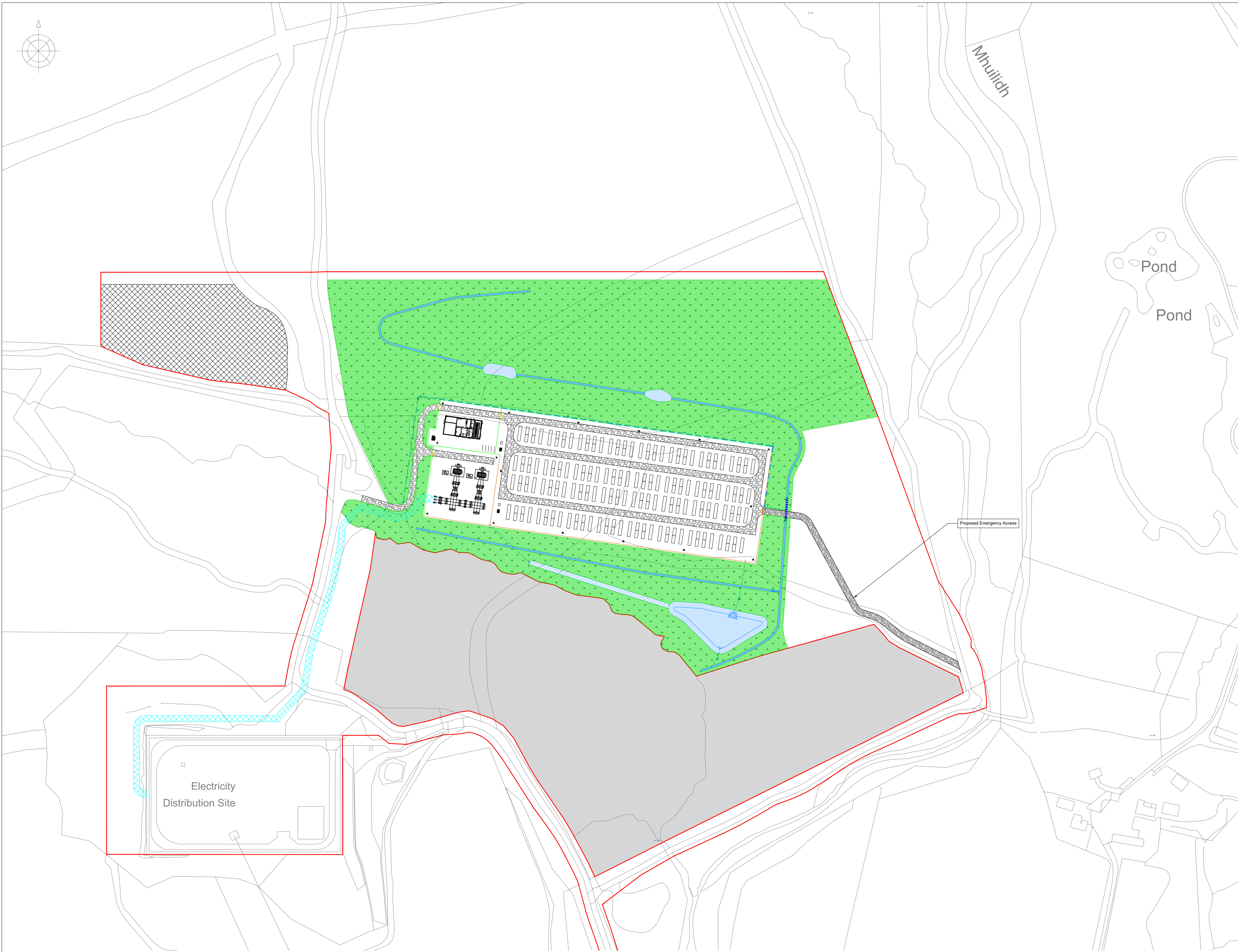
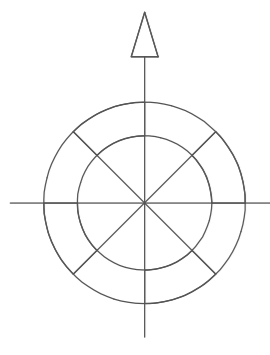
The proposals for the Site do not increase on or off-site flood risk and are therefore considered acceptable.

Appendix A - Existing & Proposed Site

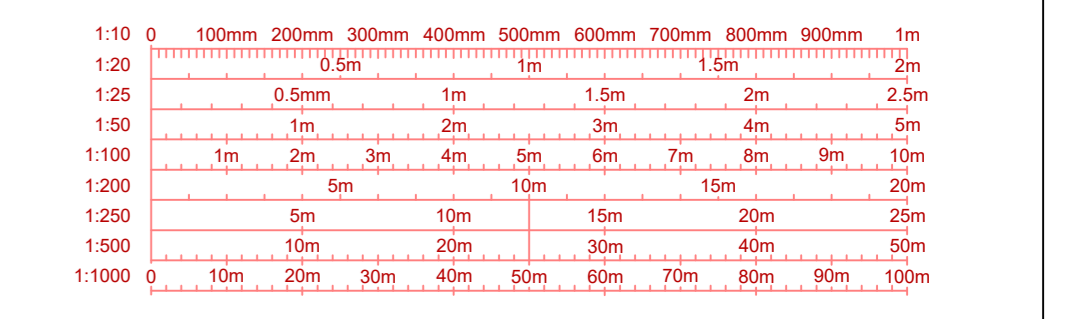
Field drawing BTGBCOR01-005.1 - Detailed Site Plan

Highland Surveyors Ltd drawing 24019-01 Dated 18/06/2024 - Topographical Survey

Castle Keep Surveys drawing OV Dated 28/09/2022 - Topographic / Lidar Survey



- Notes**
- All dimensions are shown in metres unless noted otherwise.
 - Do not scale from this drawing.
 - The site layout is indicative only and is likely to change as information becomes available.
- Legend**
- Planning Boundary
 - Area Excluded From Planning Boundary
 - Access Track
 - Access Track - Secondary Access for Emergency Use Only
 - Construction Compound
 - Access Gate - Palisade Fence
 - Access Gate - Acoustic Fence
 - Site Fence Line - Palisade Fence
 - Site Fence Line - 5m Acoustic Fence
 - Attenuation Basin
 - Proposed Ditch
 - Proposed Swale
 - Box Culvert
 - Indicative Cable Route
 - Landscaping/Planting



REV	DATE	DESCRIPTION	BY	CHKD
8	06.11.2024	Option area and Option area (secondary) removed. Planning boundary added.	JH	RS
7	10.10.2024	Substation compound amended to back. Box culvert length amended.	JH	AP
6	03.10.2024	Fencing amended.	JH	JH
5	01.10.2024	Emergency access route amended. Substation compound and access amended.	JH	JH
4	13.09.2024	Site layout amended. T2 compound not required and BESS compound amended.	JH	AP
3	12.08.2024	Earthworks amended. Duffin and eastern fence lines amended to fit available fence.	JH	AP
2	05.07.2024	Layout amended to suit revised earthworks strategy and design.	JH	AP
1	14.05.2024	Layout amended to Surgeon BESS, indicative cut and fill shown, drainage added and proposed option area added.	JH	AP
0	06.03.2024	Detailed Site Plan - Original	JH	AP

Field
 Fora Montacute Yards
 186 Shoreditch High Street
 London
 E1 6HU

PROJECT: Corriemollie

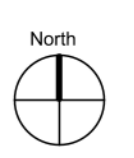
TITLE: Detailed Site Plan
 200MW

DISCIPLINE: DESIGN

DRAWING STATUS: FOR INFORMATION

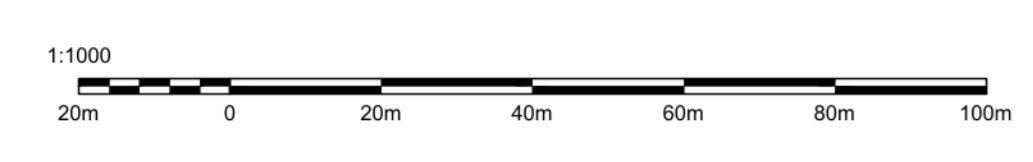
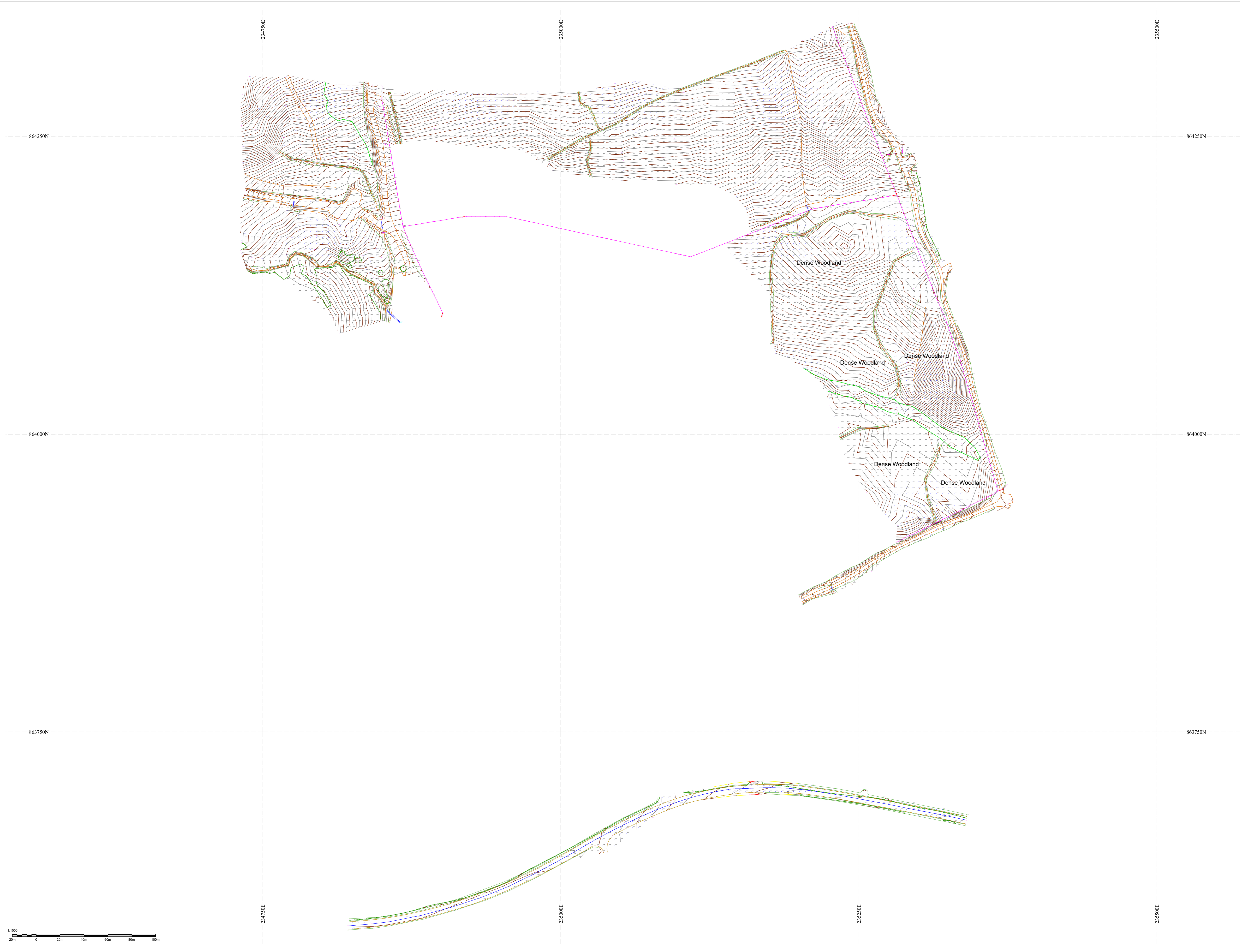
SCALE	DATE	DRAWN BY	CHECKED BY	APPROVED BY
1:1,000 @ A0	06.03.2024	JH	AP	RS
PROJECT NO.	DRAWING NO.	REV.		
BTGBCOR01	005.1	08		

- Notes**
- (i) All survey levels are related to Ordnance Survey using GPS.
 - (ii) Whilst every effort to locate all major service covers (ie manhole positions) it should be noted that this may not be possible in all cases due to ground conditions or local obstructions.
 - (iii) Original Survey by Castle Keep Surveys Ltd.
 - (iv) Dense vegetation and forestry extraction and harvesting stumps and windfall have limited the access due to safety and a lack of safe working conditions. The risk of injury was too high to enter some areas.



LEGEND

AV - Air Valve	MH - Manhole
BB - Borehole	MK - Marker
BC - British Telecom Cover	OSM - O/S Manhole
CL - C/S Level	OSW - O/S Overhead Wire
CO - C/S Cover (overhead services)	PM - Parking Marker
CT - Cable Telecom Cover	PP - Pole, Pole
D - Drain	RE - Road Edge
EC - Electricity Cover	RS - Road Sign
EL - Eaten Level	SC - Stop Cook
EP - Electricity Pole	SV - Stop Valve
FB - Faint Foot	T - Trough
FL - Fire Hydrant	TCL - Tree Canopy Level
FR - Floor Level	TFP - T/F Pit
G - Gully	TL - Traffic Light
GS - Gas Cover	TL - Telegraph Pole
GT - Gas	TV - Cable T.V. Cover
IC - Inspection Cover	VP - Valve Pit
I - Invert Level	W - Water Cover
IL - Lighting Inlet	WLL - Wall Lead Level
LL - Land Level	WL - Water Level
LP - Lamp Post	WM - Waste Man



Issue	Revision	Initial	Date

Highland Surveyors Ltd
 Highland Surveyors Ltd, 62 Main Road, Naim, IV12 4RS
 Tel: [Redacted] Email: [Redacted]
 www.highlandsurveyors.co.uk

Client:
FIELD

Project:
**Proposed Development
 Corriemollie
 Garve IV23 2PY**

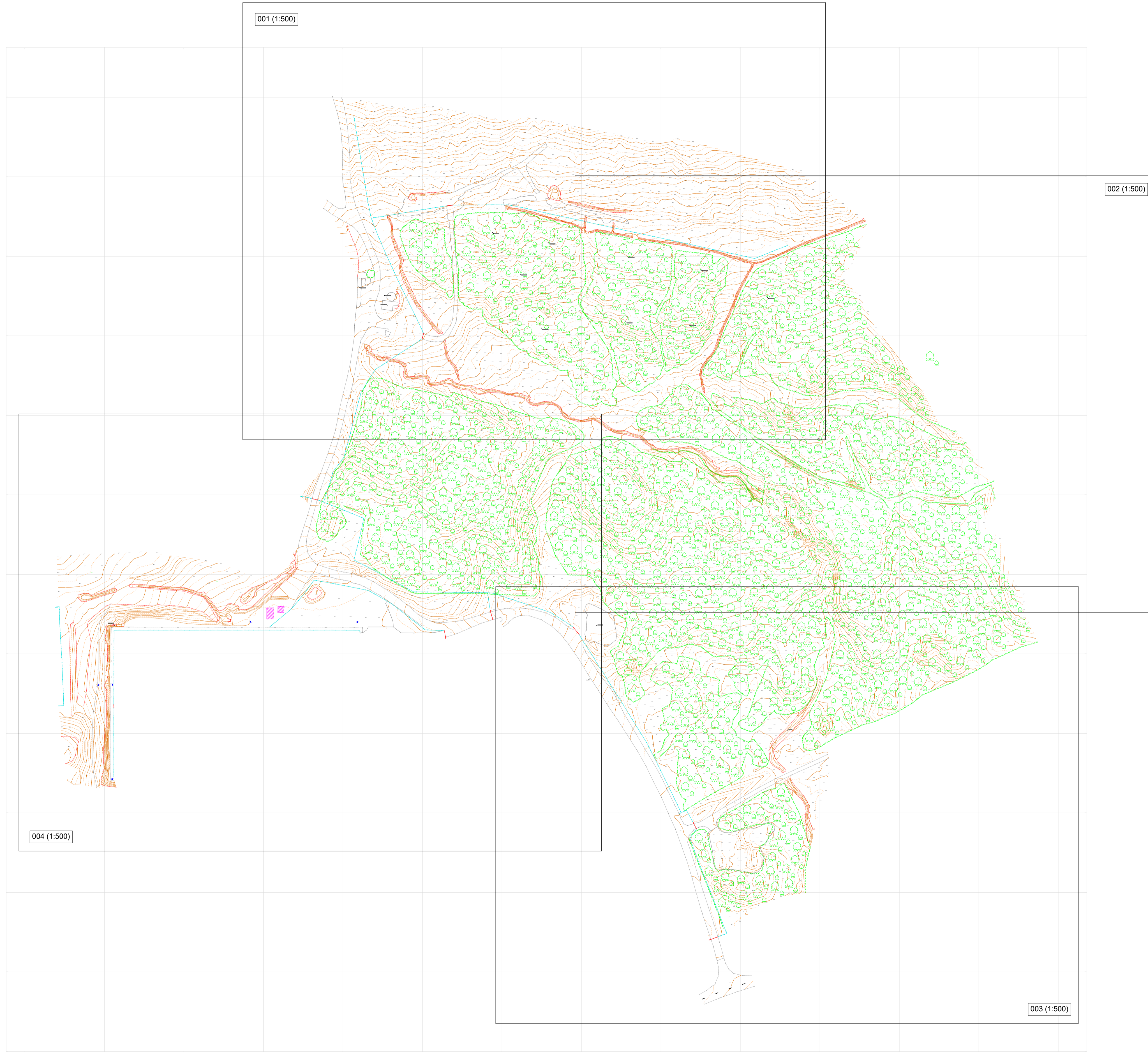
Drawing Title:
Topographic Survey

Status:
For Information

Scale: 1:1000 @ A0 19/06/2024

By: SCD Checked: RIF Approved: SCD

Dwg. No. **24019-01** Rev. -



Castle Keep Surveys Drawing Legend

Topographical Legend

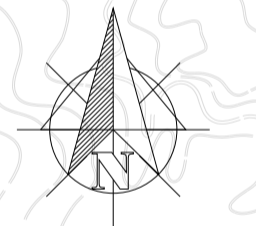
Drop Kerb	Road
Step	Step
Scarp	Scarp
Public Line	Public Line
Boundary	Boundary
Cloned	Cloned
Concrete	Concrete
Clay Foot	Clay Foot
Block Foot	Block Foot
Foot & Block Foot	Foot & Block Foot
Wooden Foot	Wooden Foot
Top of Bank	Top of Bank
Bottom of Bank	Bottom of Bank
Vertical Line	Vertical Line
Wall	Wall
Footpath	Footpath

Underground Utility Legend

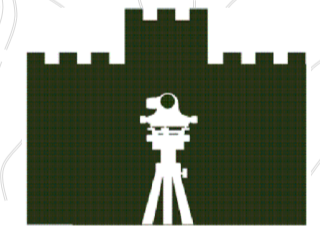
E	Electric
GAS	Gas
W	Water
CATV	Cable TV
BT	BT
EMPTY	Empty
URK	URK
OPR	OPR
COM	COM
Field Drain	Field Drain
Acc Drain	Acc Drain
E-TFR	Electric - Taken from Road
E-AR	Armed Electric
OH-E	Overhead Electric
OH-BT	Overhead BT
MSR	Multi-Service Road
W-TFR	Water - Taken from Road
W-AR	Armed Water
GAS-AR	Armed Gas
GAS-TFR	Gas - Taken from Road
Service	Service

Signposts

TP	Topograph Pole	CL 100,000	Manhole
LP	Level Post	CL 100,000	Manhole
EP	Electric Post	CL 100,000	Inspection Chamber
TL	Traffic Light	CL 100,000	Cable TV Cover
FL	Footpath	CL 100,000	BT Cover
CTV	Cable TV C	CL 100,000	BT Cover
SC	Step Gully	CL 100,000	Road Gully
GV	Gas Valve	CL 100,000	Water Meter
BOL	Block	CL 100,000	Water Meter
2345	Spot Level	CL 100,000	Water Meter
Post	Post	CL 100,000	Water Meter
GUL	Gully	CL 100,000	Water Meter
ER	Earth Road	CL 100,000	Water Meter
GFR	Gas Floor	CL 100,000	Water Meter
RWP	Rain Water Pipe	CL 100,000	Water Meter
RS	Road Sign	CL 100,000	Water Meter
SVP	Set Vise Pipe	CL 100,000	Water Meter
CH	Chain	CL 100,000	Water Meter
CH	Chain	CL 100,000	Water Meter
RE	Rebar	CL 100,000	Water Meter
LOR	Line of Reflection	CL 100,000	Water Meter



Approximate National Grid North



CASTLE KEEP
SURVEYS

Corriemollie
Inverness



Topographical / Lidar Survey

Scale: 1:1250 @ A1 DA

Date: 28/09/2022 MD

Castle Keep Surveys Ltd
The Keep
The Village
Castle Eden
Corriemollie
Inverness
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E: info@castlekeepsurveys.co.uk

Prepared By: [Signature] Checked By: [Signature]

Project Number: [Blank] Drawing Number: [Blank]