

Castle Keep Surveys Drawing Legend

Topographical Legend

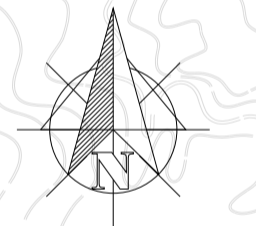
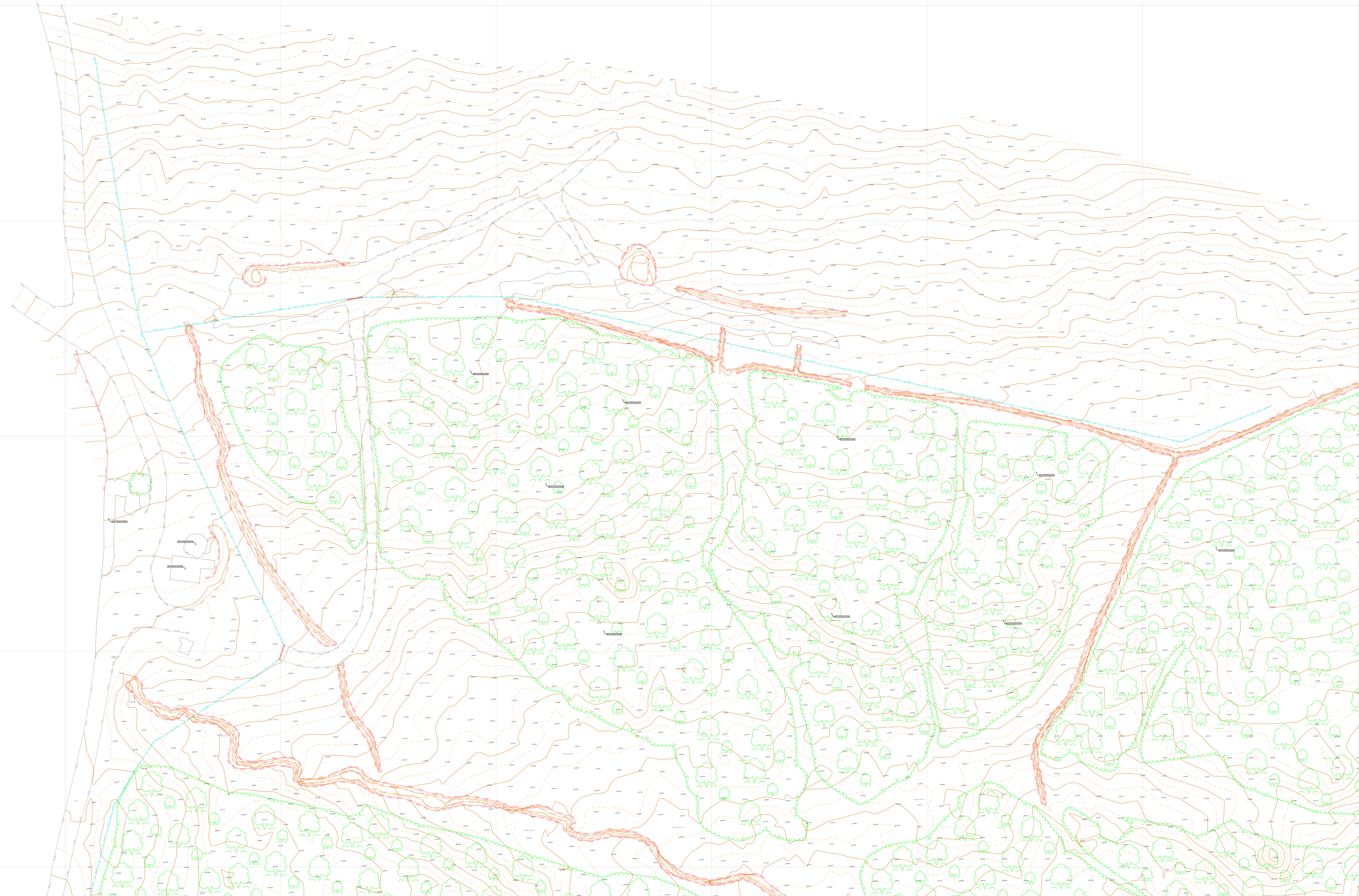
| | |
|-------------------|-------------------|
| Drop Kerb | Road |
| Step | Step |
| Public Line | Public Line |
| Boundary | Boundary |
| Cloned | Cloned |
| Concrete | Concrete |
| Chain Fence | Chain Fence |
| Black Fence | Black Fence |
| Post & Rail Fence | Post & Rail Fence |
| Wooden Fence | Wooden Fence |
| Top of Bank | Top of Bank |
| Bottom of Bank | Bottom of Bank |
| Village Line | Village Line |
| Wall | Wall |
| Footpath | Footpath |

Underground Utility Legend

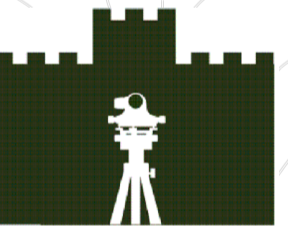
| | |
|--------------|------------------------------|
| E | Electric |
| GAS | Gas |
| W | Water |
| CATV | Cable TV |
| BT | BT |
| EMPTY | Empty |
| URK | URK |
| OPR | OPR |
| COM | COM |
| Field Drain | Field Drain |
| Asp Drain | Asp Drain |
| E-TFR | Electric - Taken from Ground |
| E-AR | Electric - Arched |
| OHE | Overhead Electric |
| OH BT | Overhead BT |
| MSR | Multi-Service Road |
| W-TFR | Water - Taken from Ground |
| WAR | Water - Arched |
| GAS-AR | Gas - Arched |
| GAS-TFR | Gas - Taken from Ground |
| Service Duct | Service Duct |

Symbols

| | | |
|------|--------------------|--------------------|
| TP | Topograph Pole | Gate |
| LP | Level Point | Metric |
| EP | Electric Post | Inspection Chamber |
| TL | Traffic Light | Cable TV Cover |
| FL | Footpath | BT Cover |
| CTV | Cable TV C | RF Cover |
| SC | Step Gull | Road Gull |
| GV | Gas Valve | Step Valve |
| BOL | Bol | Water Meter |
| 2345 | Spot Level | Air Valve |
| Post | Post | Wash Out |
| GUL | Gull | Free Hub |
| ER | Earth Rod | Gas Valve |
| GFR | Gas Floor | Cabinet |
| RWP | Rain Water Pipe | Electric Link Box |
| RS | Road Sign | LB |
| SVP | Set Valve Pipe | MH2 |
| CS | Control Station | MH3 |
| RE | Rebar | Transfer Marker |
| LOR | Line of Reflection | See |
| | | End of Road |



Approximate National Grid North



CASTLE KEEP SURVEYS

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Inverness

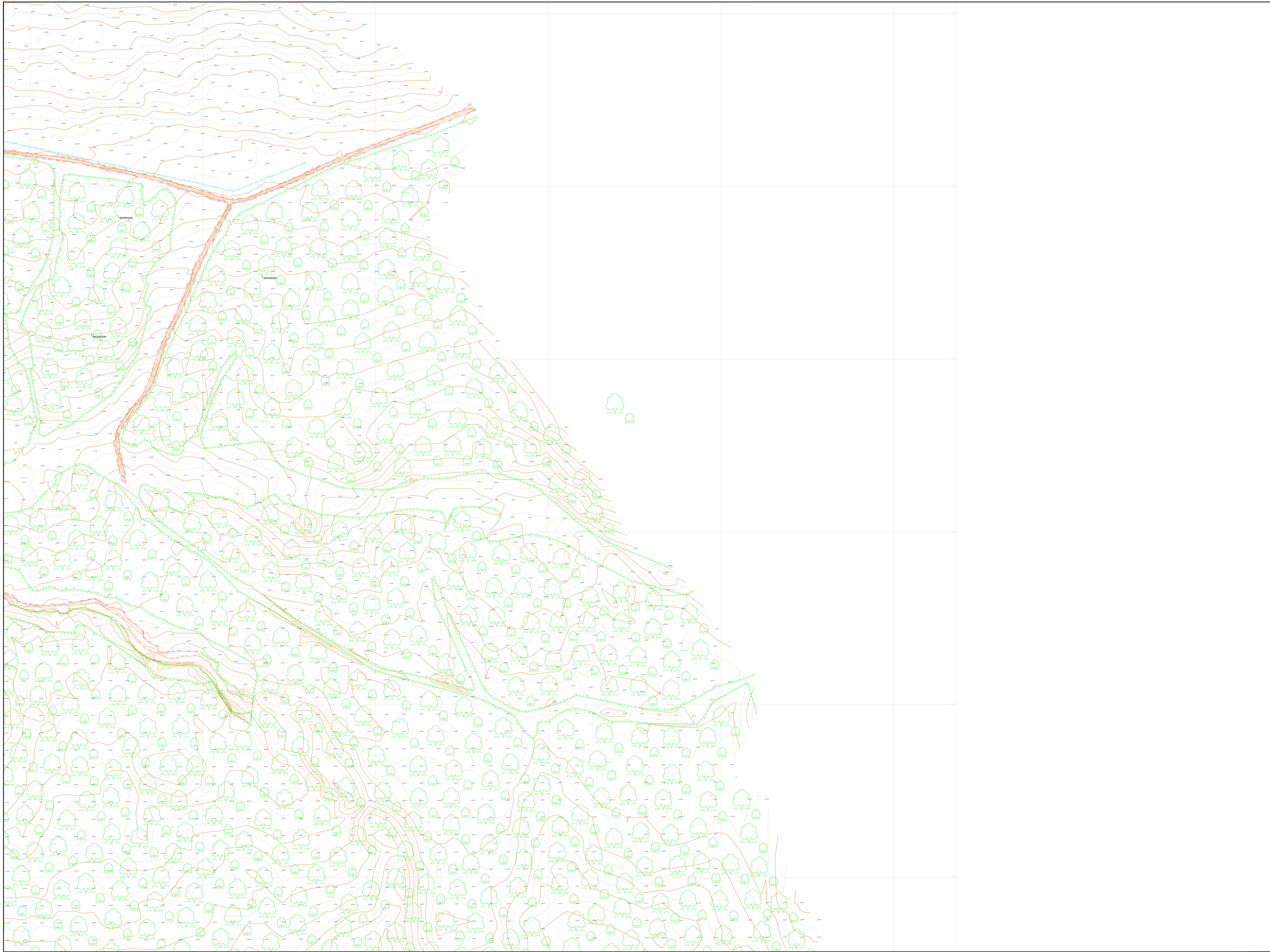


Topographical / Lidar Survey

| | | |
|-------|------------|----|
| Scale | 1:500 @ A1 | DA |
| Date | 28/09/2022 | MD |

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| | | | |
|----------------|-----------------------|----|---------|
| Drawn | Produced | By | Checked |
| | | | 001 |
| Project Number | Project ID / Revision | | |



Castle Keep Surveys Drawing Legend

Topographical Legend

- Drop Kerb
- Drop Leds
- Scarp
- Pathway Line
- Plaster
- Clashed
- Concrete
- Clash Fence
- Black Fence
- Post & Rail Fence
- Wooden Fence
- Top of Bank
- Bottom of Bank
- Steel Gates Line
- Vinyl Line
- Wall
- Footpath

Underground Utility Legend

- E - Electric
- GAS - Gas
- W - Water
- CATV - Cable TV
- CCTV - Closed Circuit TV
- BT - British Telecom
- EMPTY - Empty Cables
- UNK - Unknown Utility (Status)
- OPR - Open/Proposed/Reserved Status
- COM - Communications
- SW - Sewer
- FW - Field Drain
- AD - Access Drain
- E-TFR - Electric - Taken from Road
- E-AR - Arched Electric
- OH E - Overhead Electric
- OH BT - BT Overhead
- MSR - Multi-Service Road
- MSF - Multi-Service Fossil
- W-TFR - Water - Taken from Road
- W-AR - Arched Water
- GAS-AR - Arched Gas
- GAS-TFR - Gas - Taken from Road
- Service Cables

Symbols

- TP - Topograph Pole
- LP - Lamp Post
- EP - Electric Post
- TL - Traffic Light
- FL - Floodlight
- CATV - Cable TV C
- SC - Step Gask
- GV - Gas Valve
- BOL - Bulb
- 2345 - Spot Level
- Post - Post
- GUL - Gully
- ER - Earth Rod
- GR - Gas Rod
- RWP - Rain Water Pipe
- RS - Road Sign
- SVP - Set Level Pipe
- OR - Ordnance Survey
- N=546728.511
- Level=25.508
- RE - Retaining Edge
- LOR - Line of Reflection
- MM1 - Manhole
- IL 98.000 - Inspection Chamber
- CL 100.000 - Cable TV Cover
- BT - BT Cover
- SW - Sewer
- CL 100.000 - Water Meter
- WC - Water
- FR - Free Hub
- CL 100.000 - Gas Valve
- CL 100.000 - Cabinet
- CL 100.000 - Electric Link Box
- MS2 - Manhole
- MS3 - Manhole
- MS4 - Manhole
- MS5 - Manhole
- MS6 - Manhole
- MS7 - Manhole
- MS8 - Manhole
- MS9 - Manhole
- MS10 - Manhole
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- MS12 - Manhole
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- MS94 - Manhole
- MS95 - Manhole
- MS96 - Manhole
- MS97 - Manhole
- MS98 - Manhole
- MS99 - Manhole
- MS100 - Manhole

Approximate National Grid North

CASTLE KEEP SURVEYS

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FIELD

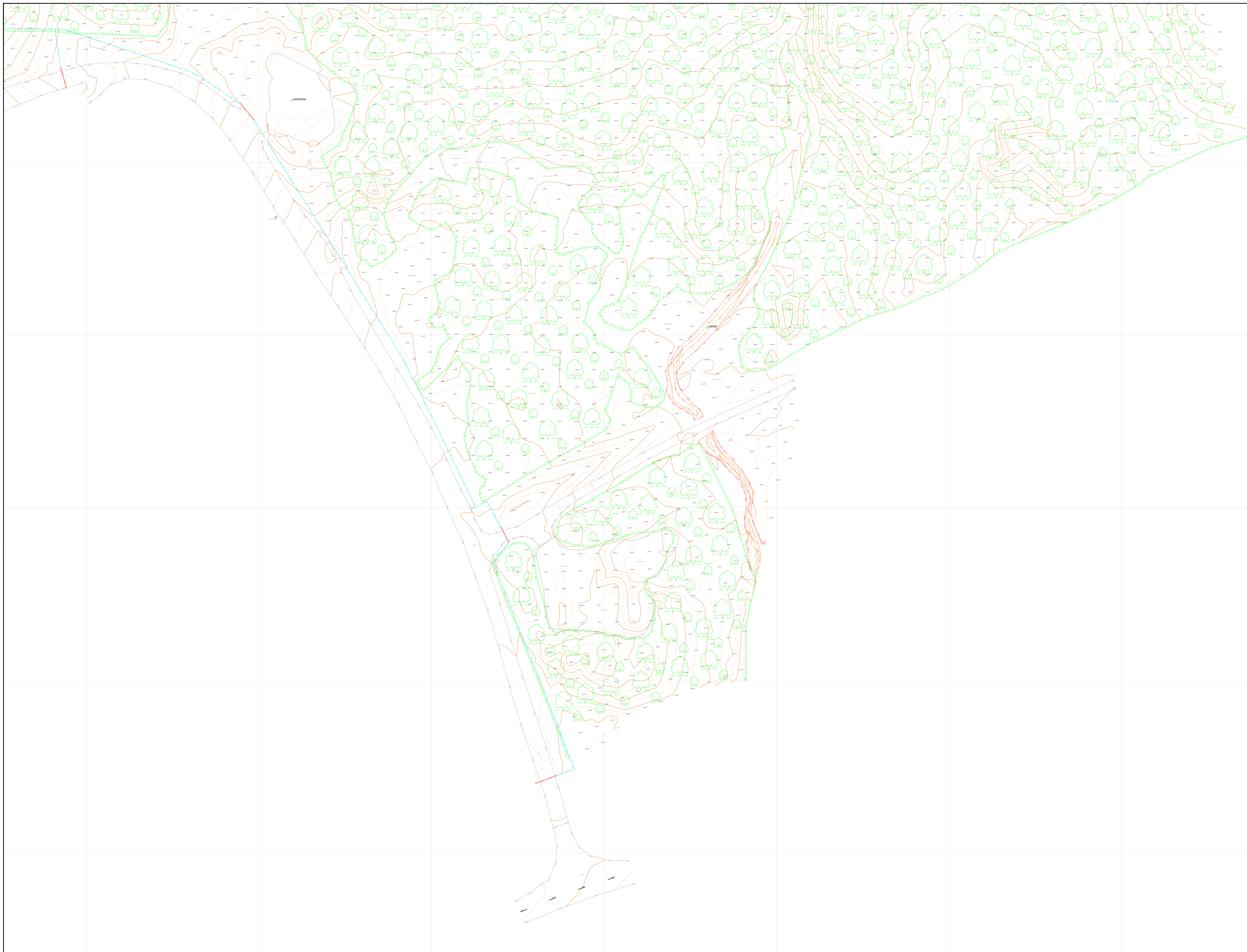
Topographical / Lidar Survey

Scale: 1:500 @ A1 DA

Date: 28/09/2022 MD

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002



Castle Keep Surveys Drawing Legend

Topographical Features

- Drop Kerbs
- Step Ecks
- Slope
- Pathway Line
- Cloned
- Concrete
- Clash Fence
- Clash Fence
- Post & Rail Fence
- Wooden Fence
- Top of Bank
- Bottom of Bank
- Gravel Line
- Village Line
- Wall
- Footpath

Underground Utility Line Types

- E - Electric
- GAS - Gas
- W - Water
- CATV - Cable TV
- CTV - Closed Circuit TV
- BT - British Telecom
- EMPTY - Empty Cables
- UNK - Unknown Utility
- OPR - Open Road Possible Utility
- COM - Communications
- FW - Fuel Water Storage Point
- SW - Surface Water Storage Point
- CS - Combined Sewer Storage Point
- MS - Manhole Storage Point
- FD - Field Drain
- AD - Access Drain
- E-TFR - Electric - Taken from Road
- E-AR - Armoured Electric
- OHE - Overhead Electric
- OH BT - OH British Telecom
- MSR - Multi-Service Road
- MSF - Multi-Service Fossil
- W-TFR - Water - Taken from Road
- W-AR - Armoured Water
- GAS-AR - Armoured Gas
- GAS-TFR - Gas - Taken from Road
- Service Cables

Spotlights

- TP - Topograph Pole
- LP - Lamp Post
- EP - Electric Post
- TL - Traffic Light
- FL - Floodlight
- CTV - Cable TV C
- SC - Step Cask
- GV - Gas Valve
- BOL - Bulb
- 2345 - Spill Level
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- SW - Step Valve
- CL 100.000 - Water Meter
- WA - Air Valve
- WC - Wash Out
- CL 100.000 - Free Hub
- CL 100.000 - Gas Valve
- CL 100.000 - Cabinet
- CL 100.000 - Electric Lock Box
- LB - Lateral
- MM2 - Circular Manhole
- MM3 - Square Manhole
- TS - Tree
- ECOB - End of Road

Approximate National Grid North

CASTLE KEEP SURVEYS

Corriemollie
Inverness

Client Name: **FIELD**

Drawing Title: **Topographical / Lidar Survey**

Scale: 1:500 @ A1 DA

Date: 28/09/2022 MD

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Revision: 003

Appendix B Surface Water Drainage

Haydn Evans calculations ref: 336-006-CA02 - Greenfield Calculations

Haydn Evans drawing 336-006-D003 - Surface Water Drainage Strategy

Haydn Evans calculations 336-006-CA10-SWDS - Network Calculations