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Stratascan Ltd,
Vineyard House
Upper Hook Road
Upton Upon Severn
WR8 0SA
OS 100km square = SO



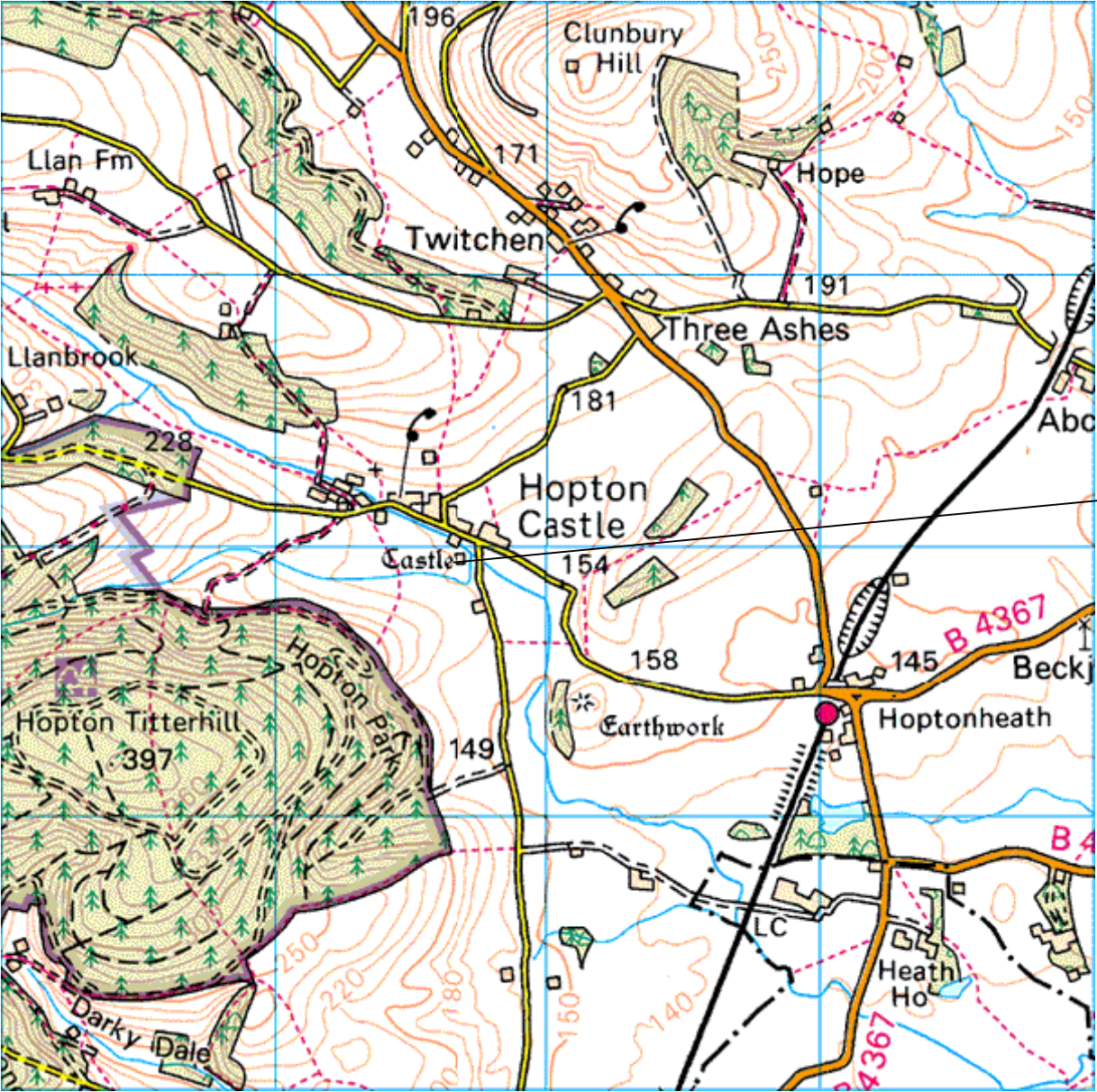
80

79

78

77

76



Survey Area

35

36

37

38

39

| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |

Site centred on NGR SO 367 780

Client
HOPTON CASTLE PRESERVATION TRUST

Project Title
GEOPHYSICAL SURVEY - HOPTON CASTLE

Job No. 2057

Subject
LOCATION PLAN OF SURVEY AREA

STRATASCANTM
GEOPHYSICS FOR ARCHAEOLOGY
AND ENGINEERING
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Scale
1:25 000

0m 500 1000m

Plot
A3

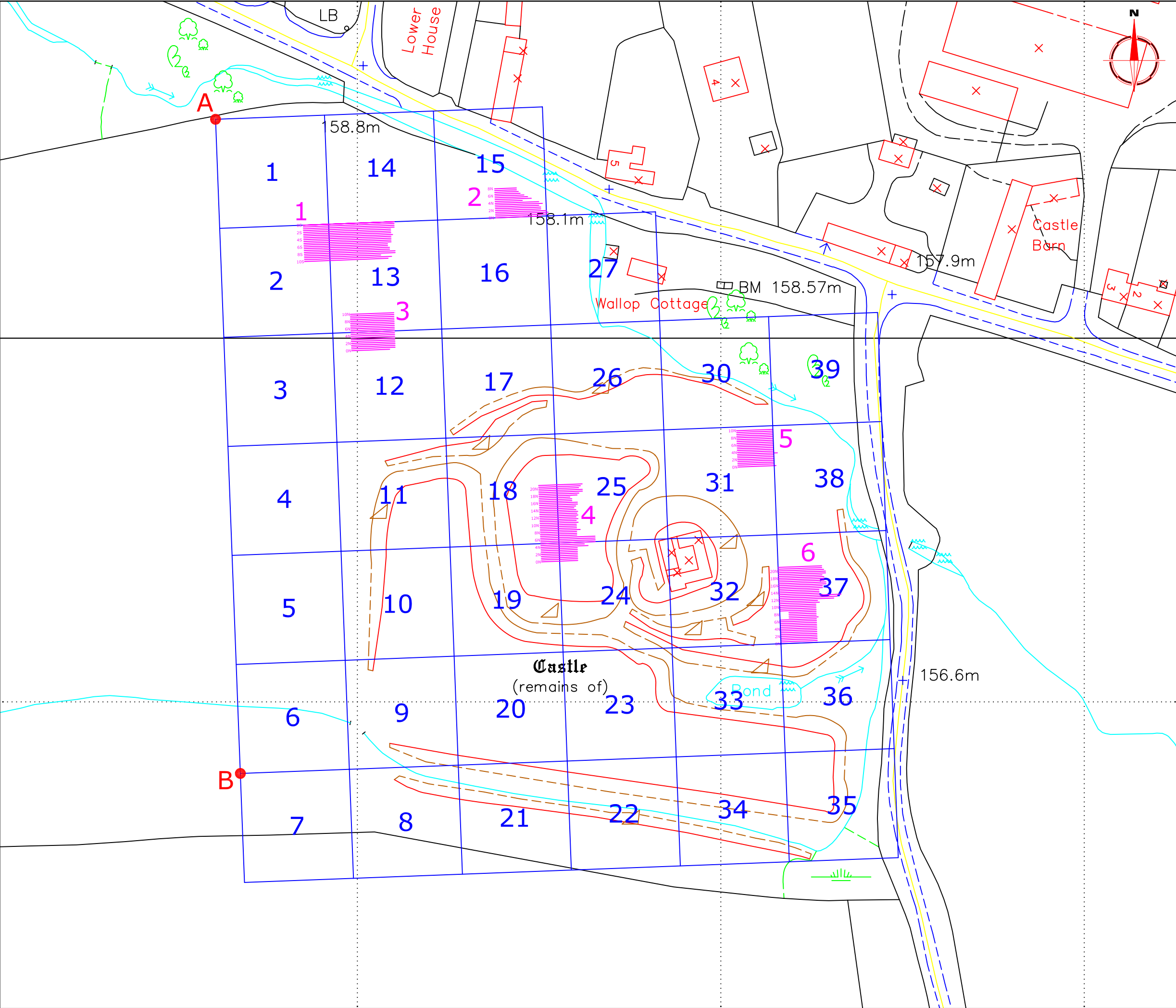
Checked by
SAS

Issue No.
01

Survey date
SEPT 05

Drawn by
DGE

Figure No.
01



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |
| - | - | - |

OS GRID REFERENCES

| | |
|---|------------------------|
| A | 336560.987, 278060.192 |
| B | 336567.847, 277879.588 |
| 1 | Grid Number |
| 1 | GPR Traverse |
| 1 | GPR Area Number |

Client
HOPTON CASTLE PRESERVATION TRUST

Project Title
GEOPHYSICAL SURVEY - HOPTON CASTLE

Job No. 2057

Subject
SITE PLAN SHOWING LOCATION AND REFERENCING OF SURVEY GRIDS

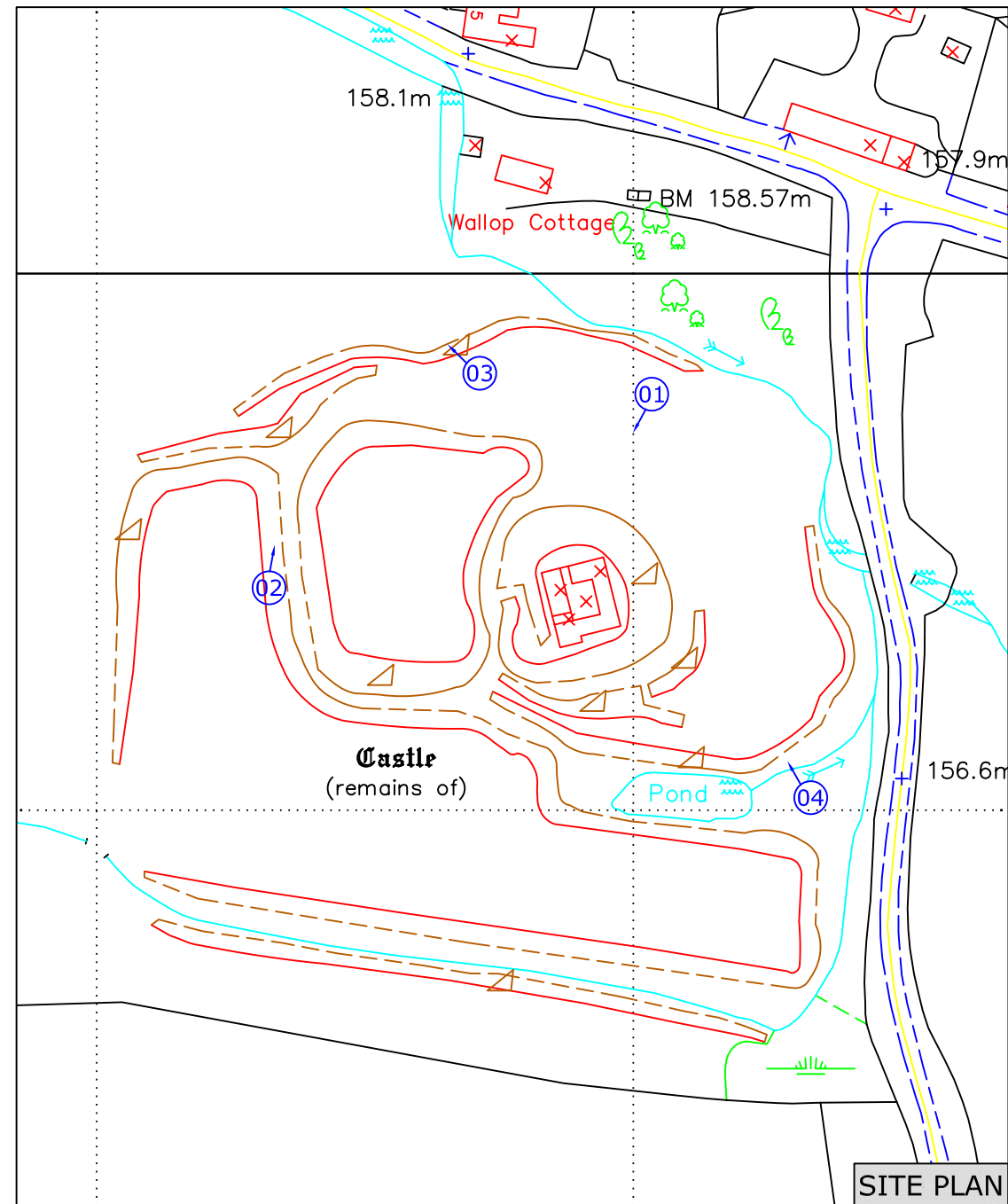
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REGISTERED ORGANISATION
IFA

Scale
1:1000

0m 10 20 30 40 50

| | | |
|------------------------|-------------------|------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 02 |



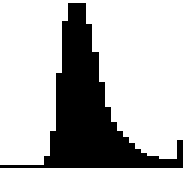
| Amendments | | |
|--|--|-------------------------|
| Issue No. | Date | Description |
| - | - | - |
| | | |
| | | |
| KEY | | |
| 01 | Aspect of photograph with image number | |
| Client HOPTON CASTLE PRESERVATION TRUST | | |
| Project Title GEOPHYSICAL SURVEY - HOPTON CASTLE | | Job No. 2057 |
| Subject SITE RECONNAISSANCE PHOTOGRAPHS AND LOCATION MAP | | |
| <div>STRATASCANTM GEOPHYSICS FOR ARCHAEOLOGY AND ENGINEERING VINEYARD HOUSE UPPER HOOK ROAD UPTON UPON SEVERN UK WR8 0SA T: +44 (0)1684 592266 F: +44 (0)1684 594142 E: info@stratascan.co.uk www.stratascan.co.uk</div> <div>REGISTERED ORGANISATION IFA</div> | | |
| Scale NTS | | |
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 03 |




| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |

Plotting parameters

Maximum +400Ω (black)
Minimum +0Ω (white)



-3SD +3SD




+400Ω
+0Ω

Client
HOPTON CASTLE PRESERVATION TRUST


Project Title
GEOPHYSICAL SURVEY - HOPTON CASTLE

Job No. 2057

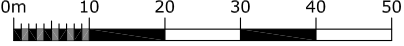
Subject
PLOT OF RAW RESISTANCE DATA



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Scale 1:1000



| | | |
|-------------------------------|--------------------------|-------------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 04 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |

Plotting parameters

Maximum +50Ω (black)
Minimum -50Ω (white)

-3SD +3SD

+50Ω
-50Ω

Client
HOPTON CASTLE PRESERVATION TRUST

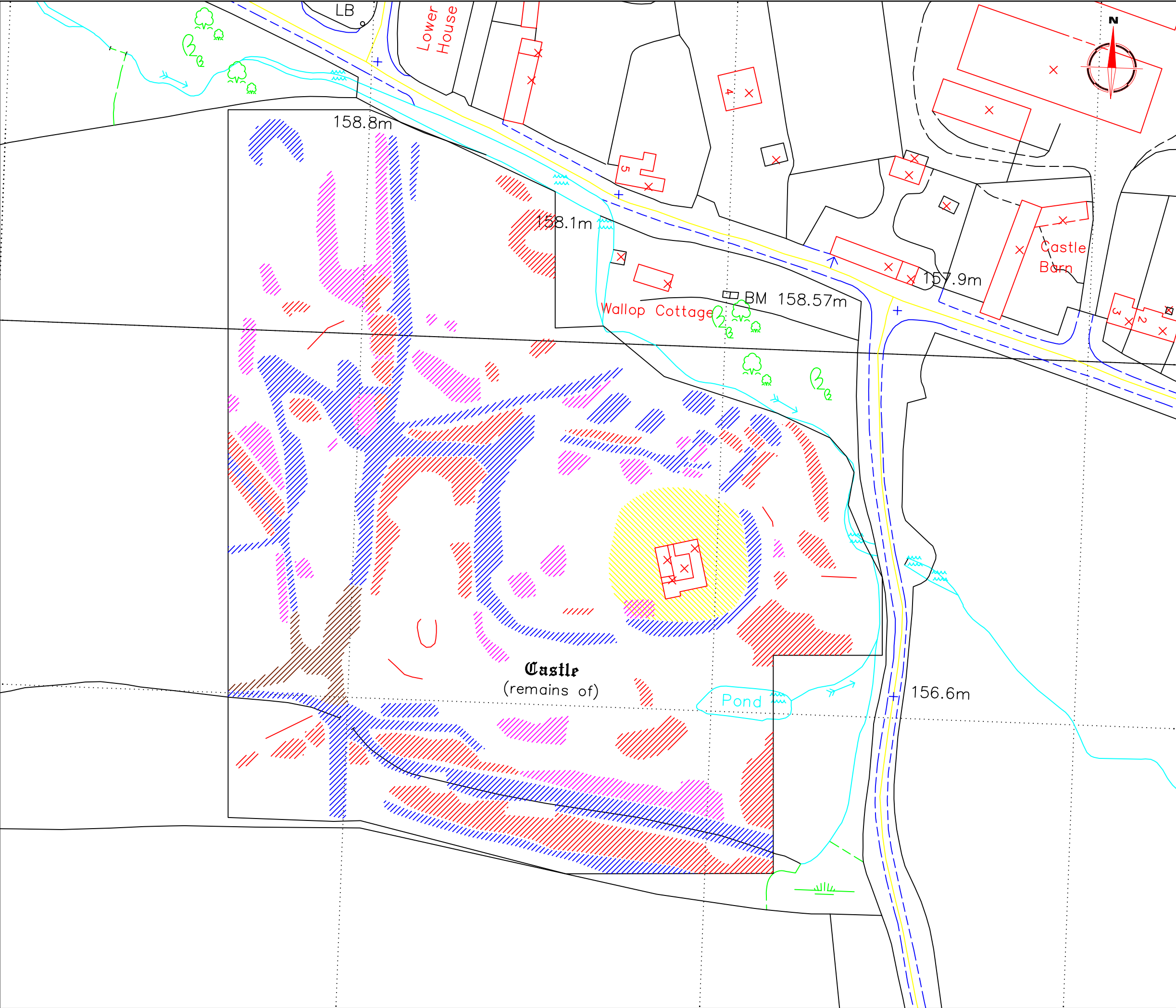
Project Title Job No. 2057
GEOPHYSICAL SURVEY - HOPTON CASTLE

Subject
PLOT OF PROCESSED RESISTANCE DATA

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Scale 1:1000
0m 10 20 30 40 50

| | | |
|-------------------------------|--------------------------|-------------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 05 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |
| - | - | - |


| KEY | |
|-----|---|
| | High resistance linear anomaly - possible stone remains |
| | High resistance area anomaly - possible stone remains |
| | Moderate resistance anomaly - possible area of disturbed ground or stone debris |
| | Low resistance area anomaly - probable cut feature |
| | Low resistance area anomaly - depicting castle motte |
| | Low resistance anomaly - possible continuation of cut features |

| | |
|----------------------------------|--|
| Client | |
| HOPTON CASTLE PRESERVATION TRUST | |

| | |
|------------------------------------|---------|
| Project Title | Job No. |
| GEOPHYSICAL SURVEY - HOPTON CASTLE | 2057 |

| |
|-------------------------------------|
| Subject |
| ABSTRACTION OF RESISTANCE ANOMALIES |

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| | | |
|--------|-------------------|--|
| Scale | 0m 10 20 30 40 50 | |
| 1:1000 | | |

| | | |
|-------------|------------|------------|
| Plot | Checked by | Issue No. |
| A3 | SAS | 01 |
| Survey date | Drawn by | Figure No. |
| SEPT 05 | DGE | 06 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |

Plotting parameters

Maximum +5nT (black)
Minimum -5nT (white)

-3SD +3SD

+5nT
-5nT

Client
HOPTON CASTLE PRESERVATION TRUST

Project Title Job No. 2057
GEOPHYSICAL SURVEY - HOPTON CASTLE

Subject
PLOT OF RAW GRADIOMETER DATA

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Scale 1:1000
0m 10 20 30 40 50

| | | |
|-------------------------------|--------------------------|-------------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 07 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |

Plotting parameters

-40nT

(Negative values displace above the trace line. Hidden values have not been plotted)

-200nT

-160nT

-120nT

-80nT

-40nT

0nT

Client

HOPTON CASTLE PRESERVATION TRUST

Project Title

GEOPHYSICAL SURVEY - HOPTON CASTLE

Job No.

2057

Subject

TRACE PLOT OF GRADIOMETER DATA SHOWING NEGATIVE VALUES

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Scale

1:1000

0m

10

20

30

40

50

| | | |
|----------------|------------|------------|
| Plot | Checked by | Issue No. |
| A3 | SAS | 01 |
| Survey date | Drawn by | Figure No. |
| SEPT 05 | DGE | 09 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |

Plotting parameters

Maximum +2nT (black)
Minimum -2nT (white)

-3SD +3SD

+2nT
-2nT

Client
HOPTON CASTLE PRESERVATION TRUST

Project Title Job No. 2057
GEOPHYSICAL SURVEY - HOPTON CASTLE

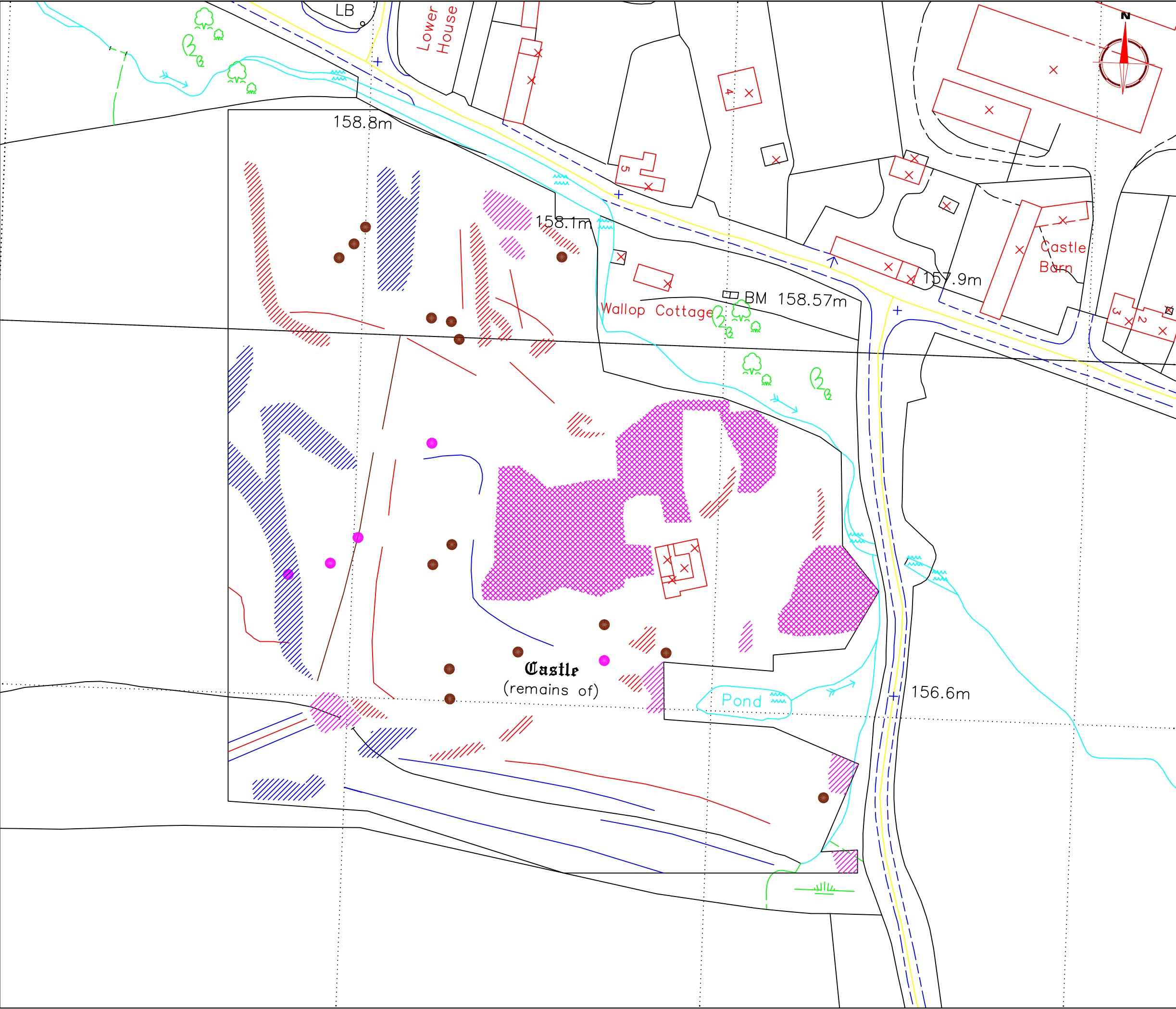
Subject
PLOT OF PROCESSED GRADIOMETER DATA

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Scale 1:1000 0m 10 20 30 40 50

| | | |
|-------------------------------|--------------------------|-------------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 10 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |
| - | - | - |

KEY

- Discrete positive anomaly - possible pit
- Positive anomaly with associated negative response - ferrous object
- Linear magnetic debris - uncertain origin possible archaeology
- Positive linear anomaly - cut feature of possible archaeological origin
- Negative linear anomaly - possible earthworks of archaeological origin
- Magnetic disturbance - probable modern origin
- Area of positive and negative responses - possible cut feature of archaeological origin
- Area of magnetic debris - possible evidence of industrial activity of an archaeological origin
- Positive area anomaly - possible cut feature of archaeological origin

Client
HOPTON CASTLE PRESERVATION TRUST

Project Title
GEOPHYSICAL SURVEY - HOPTON CASTLE

Job No.
2057

Subject
ABSTRACTION OF GRADIOMETER ANOMALIES

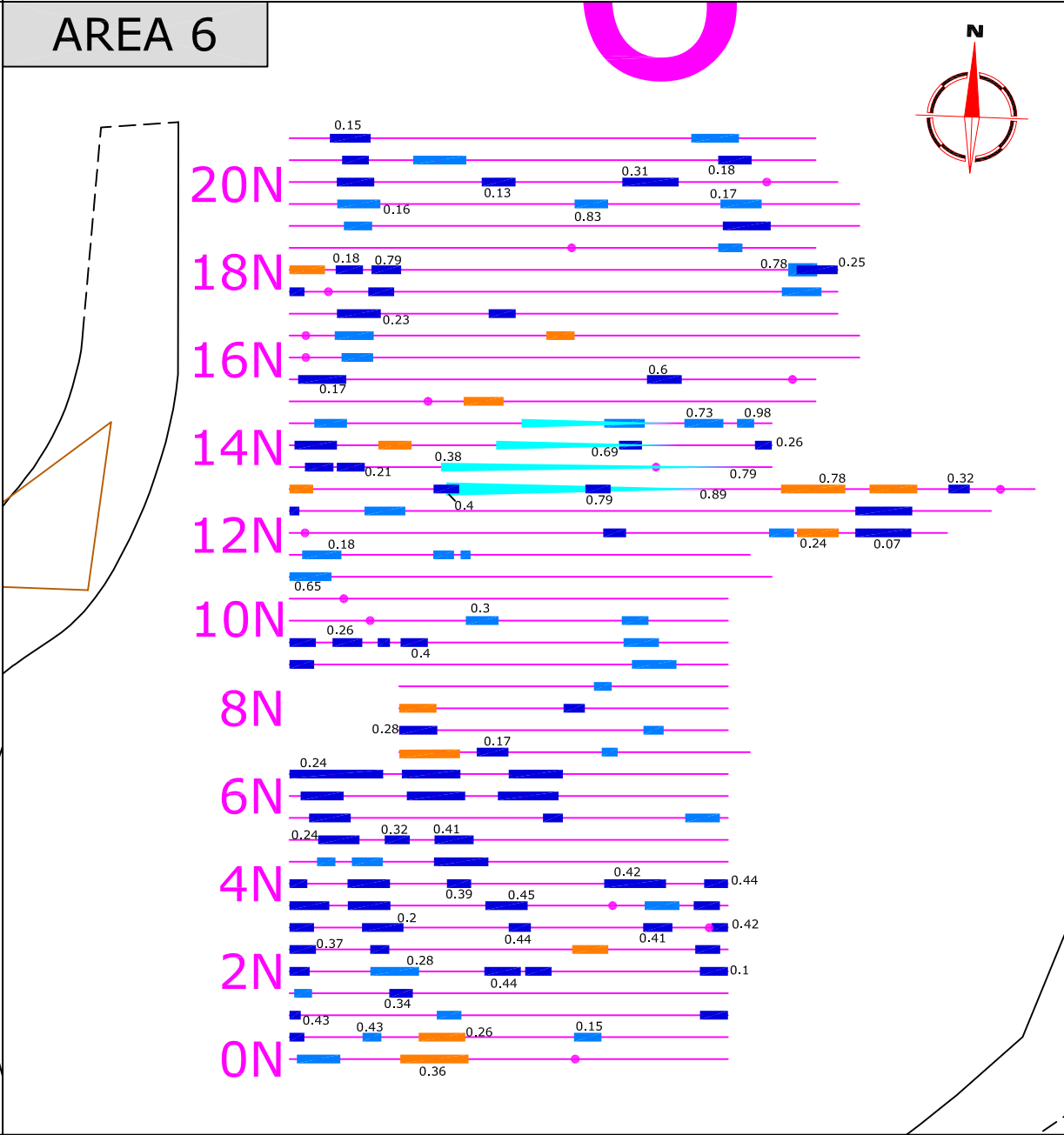
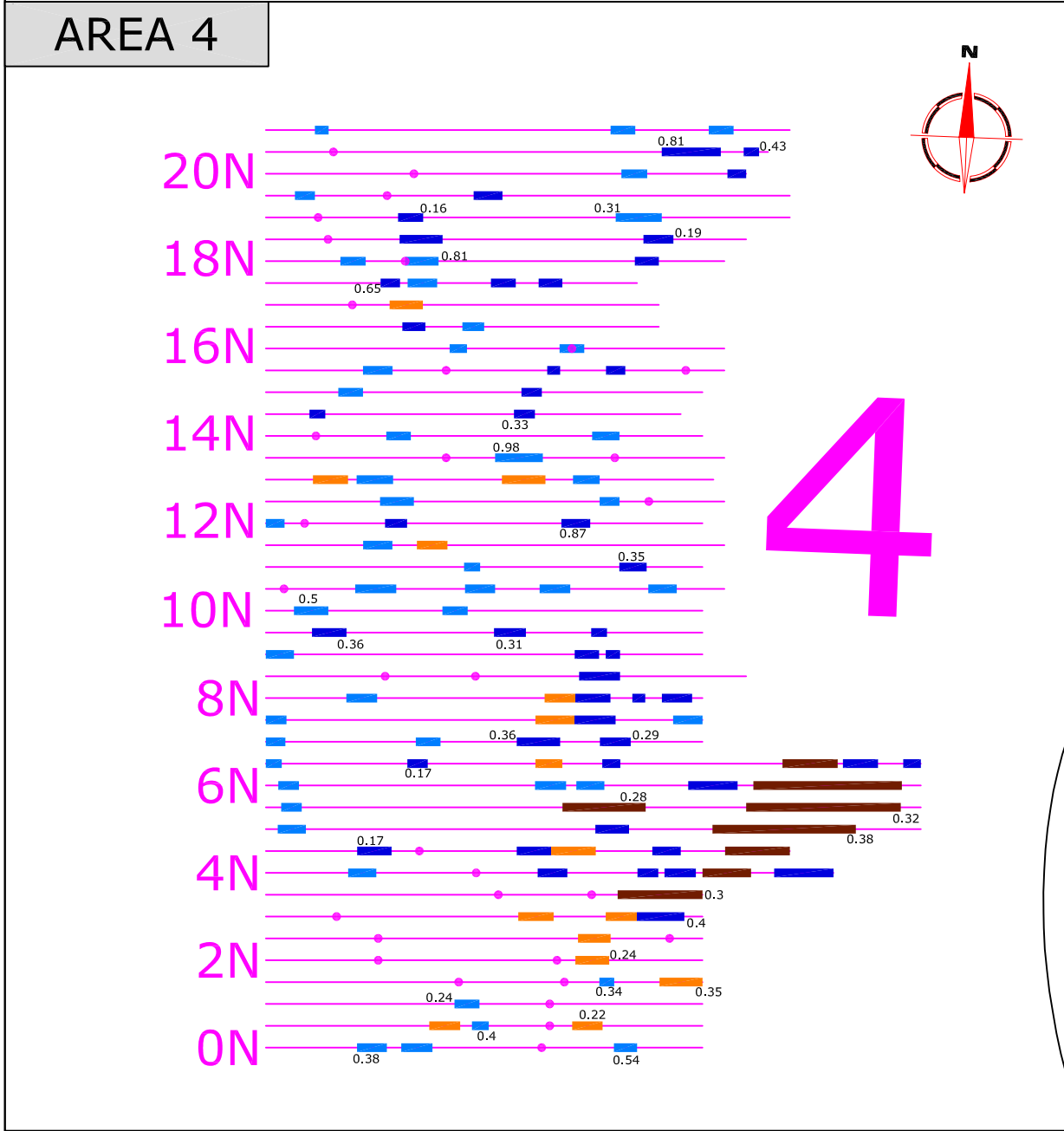
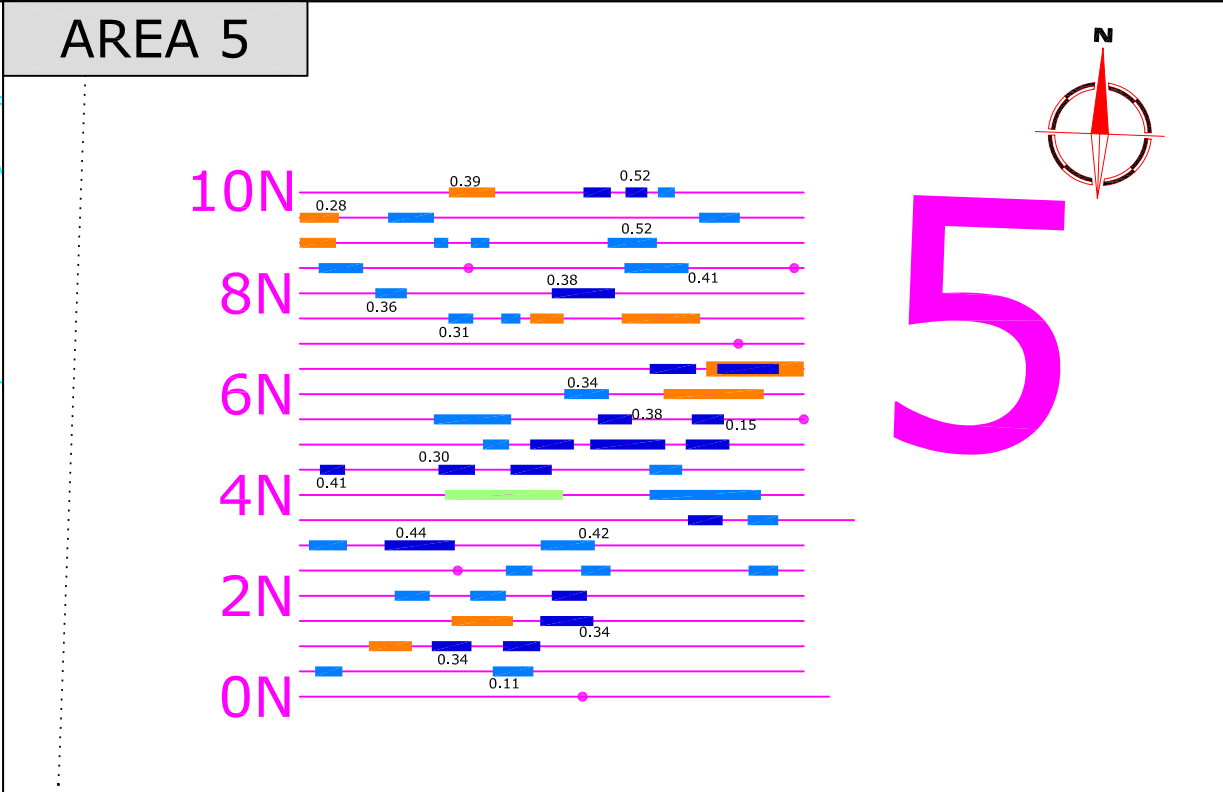
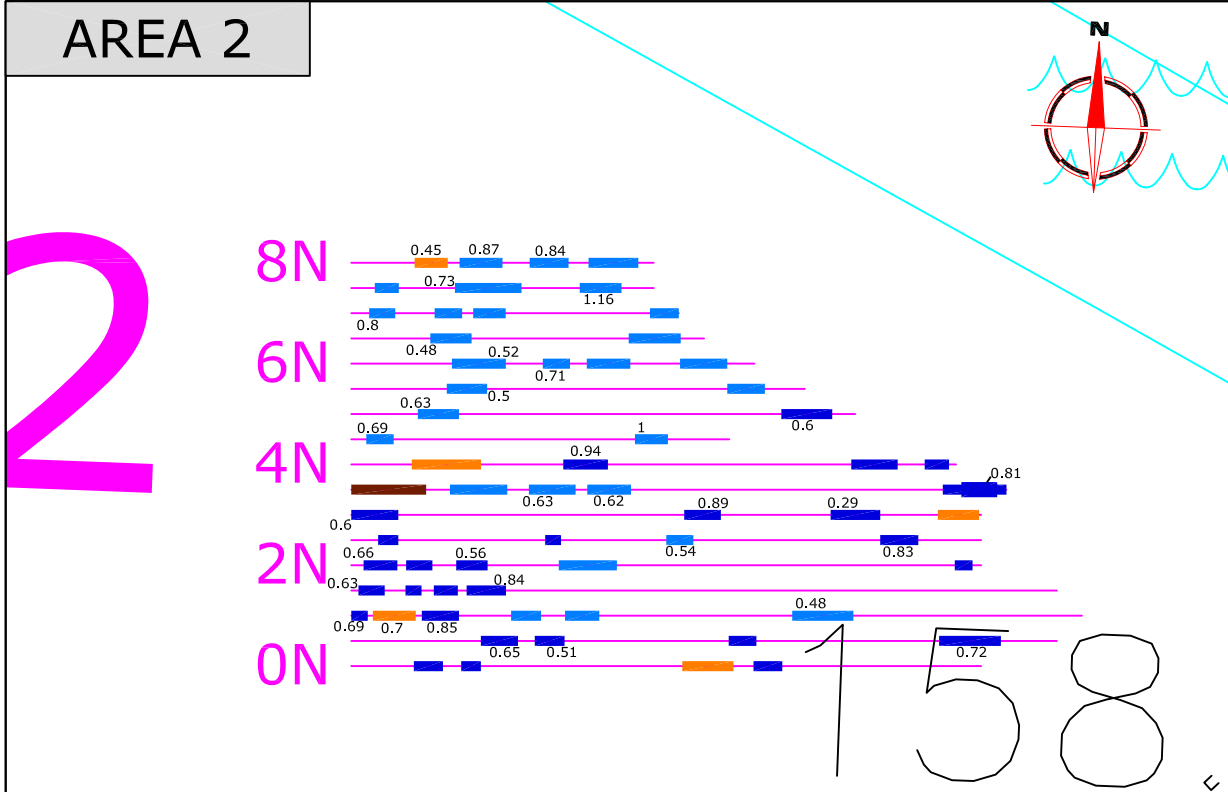
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Scale
1:1000
0m 10 20 30 40 50

| | | |
|-------------------------------|--------------------------|-------------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 11 |



| Amendments | | |
|--|-----------------|--------------|
| Issue No. | Date | Description |
| - | - | - |
| | | |
| <div></div> | | |
| KEY | | |
| | GPR Traverse | |
| 1 | GPR Area Number | |
| Client HOPTON CASTLE PRESERVATION TRUST | | |
| Project TitleJob No. 2057 GEOPHYSICAL SURVEY - HOPTON CASTLE | | |
| Subject SITE PLAN SHOWING TARGETED GPR GRID OVERLAIN ON MAGNETIC DATA | | |
| <div><div>STRATASCAN™ GEOPHYSICS FOR ARCHAEOLOGY AND ENGINEERING VINEYARD HOUSE UPPER HOOK ROAD UPTON UPON SEVERN UK WR8 0SA T: +44 (0)1684 592266 F: +44 (0)1684 594142 E: info@stratascan.co.uk www.stratascan.co.uk</div><div>REGISTERED ORGANISATION IFA</div></div> | | |
| Scale1:1000 <div>0m1020304050</div> | | |
| PlotA3 | Checked bySAS | Issue No.01 |
| Survey dateSEPT 05 | Drawn byDGE | Figure No.13 |



Amendments

| Issue No. | Date | Description |
|-----------|------|-------------|
| - | - | - |

RADAR ABSTRACTION KEY

| | |
|------|-----------------------------|
| | Strong Discrete |
| | Weak Discrete |
| | Strong Complex |
| | Weak Complex |
| | Point Diffraction |
| | Strong Planar |
| | Weak Planar |
| | Inclined Event |
| 0.25 | Depth to top of feature [m] |

Client

HOPTON CASTLE PRESERVATION TRUST

Project Title

Job No.

2057

GEOPHYSICAL SURVEY - HOPTON CASTLE

Subject

ABSTRACTION OF GROUND PENETRATING RADAR DATA - AREAS 2, 4, 5, 6

GEOPHYSICS FOR ARCHAEOLOGY AND ENGINEERING

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Scale

1:150

Plot

A3

Survey date

SEPT 05

Checked by

SAS

Drawn by

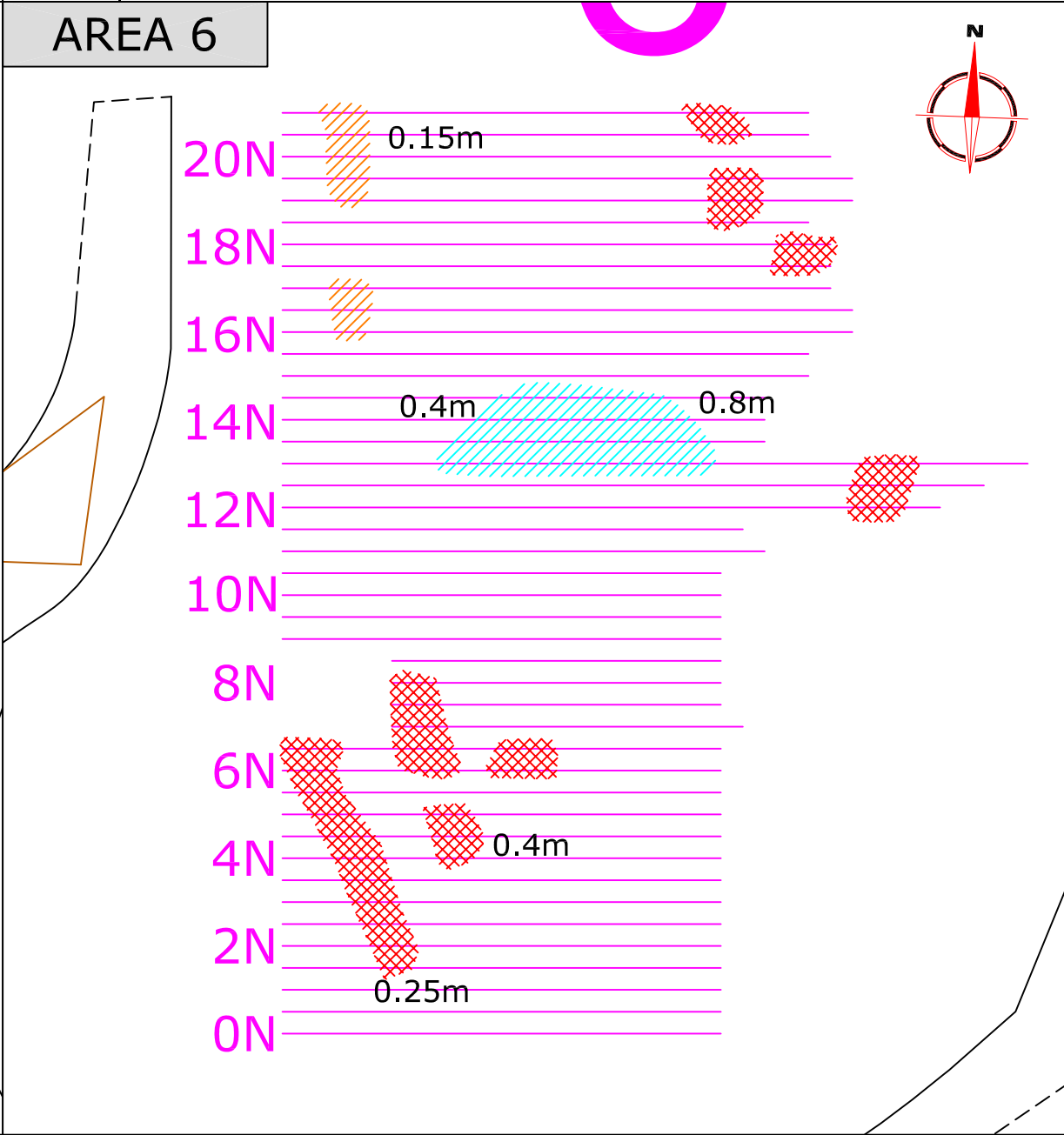
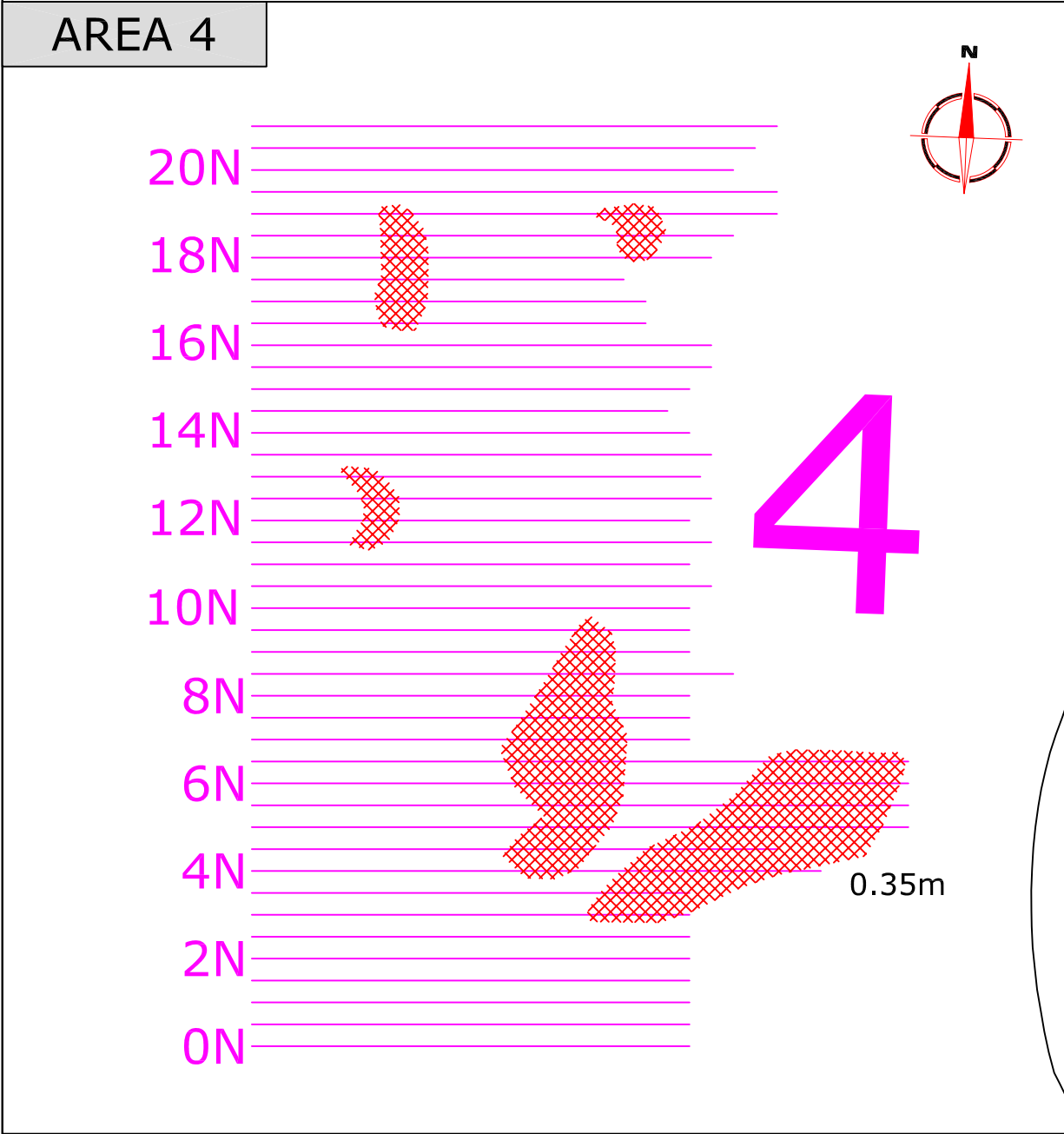
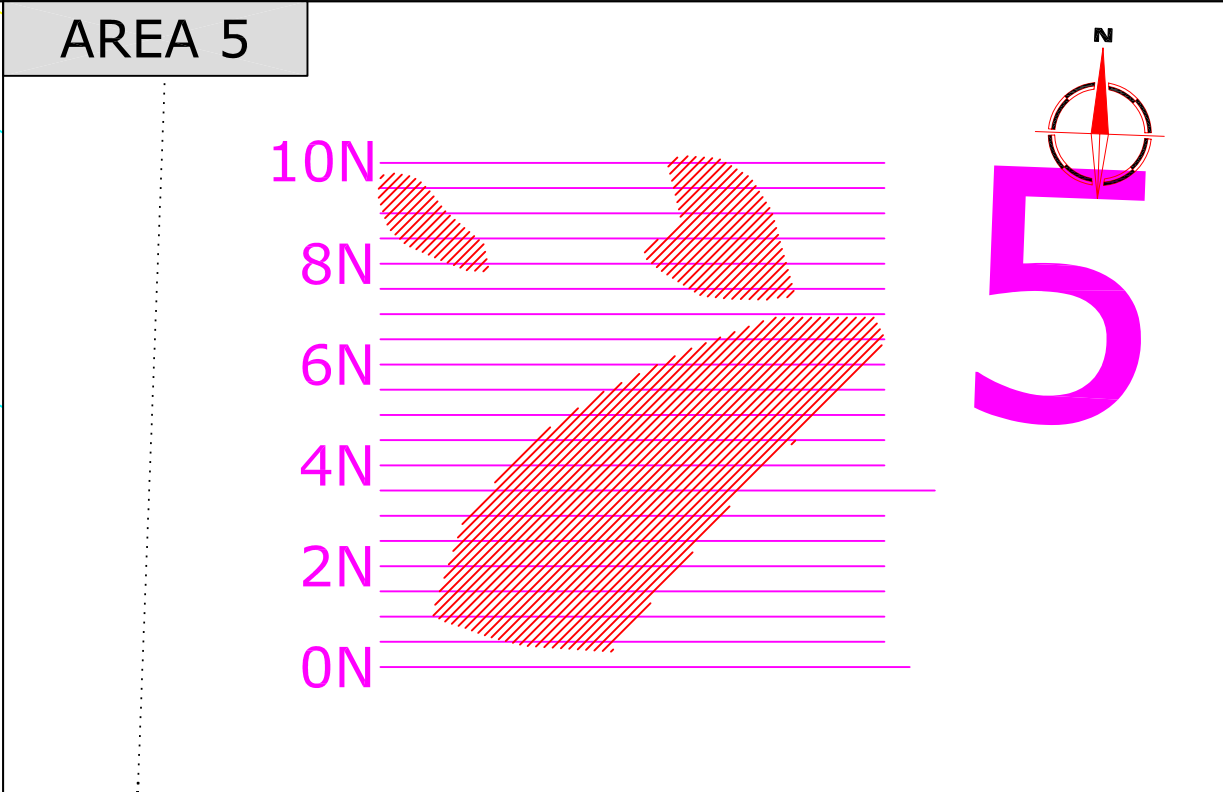
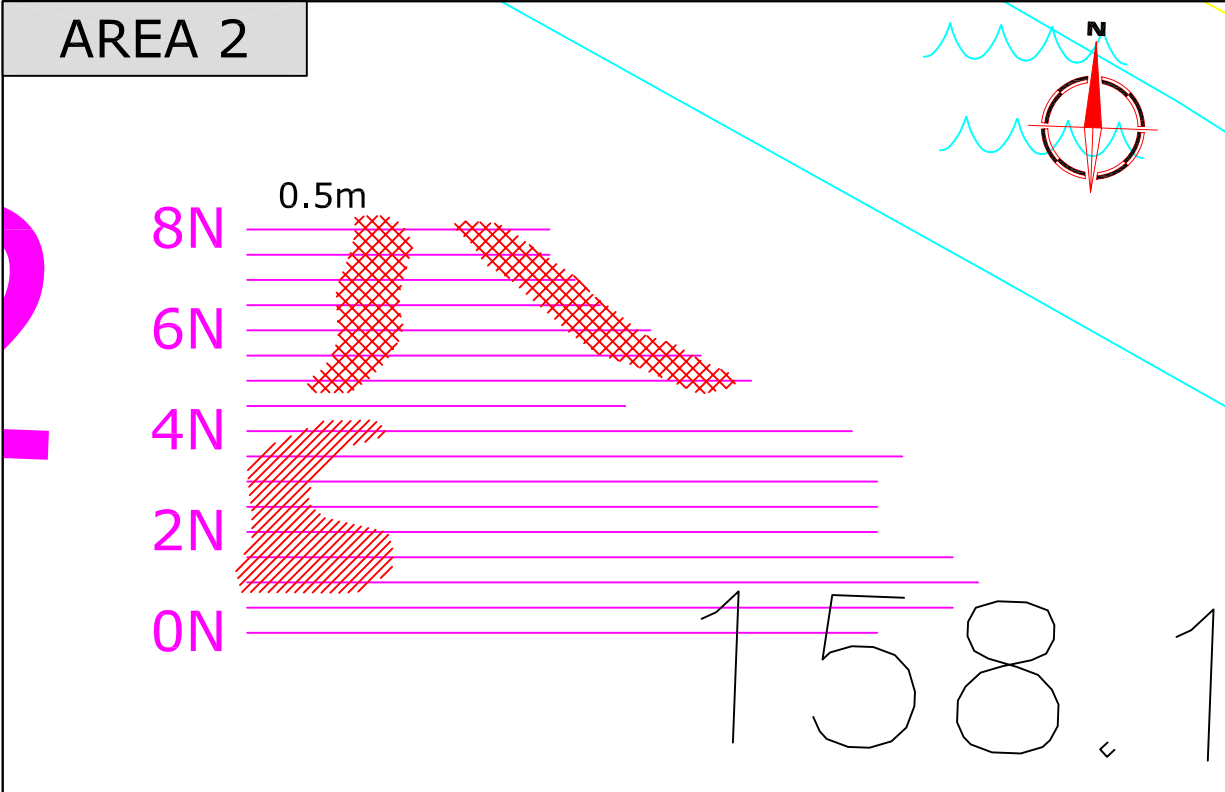
DGE

Issue No.

01

Figure No.

15



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |
| - | - | - |

RADAR ABSTRACTION KEY

| | |
|-------|---|
| | Discrete responses possibly caused by structural remains |
| | Inclined events - may relate to a cut feature |
| | Discrete responses possibly caused by fragmented structural remains |
| | Discrete responses of uncertain origin |
| 0.25m | Depth to top of feature |

Client

HOPTON CASTLE PRESERVATION TRUST

Project Title

Job No. 2057

GEOPHYSICAL SURVEY - HOPTON CASTLE

Subject

INTERPRETATION OF GROUND PENETRATING RADAR DATA - AREAS 2, 4, 5, 6

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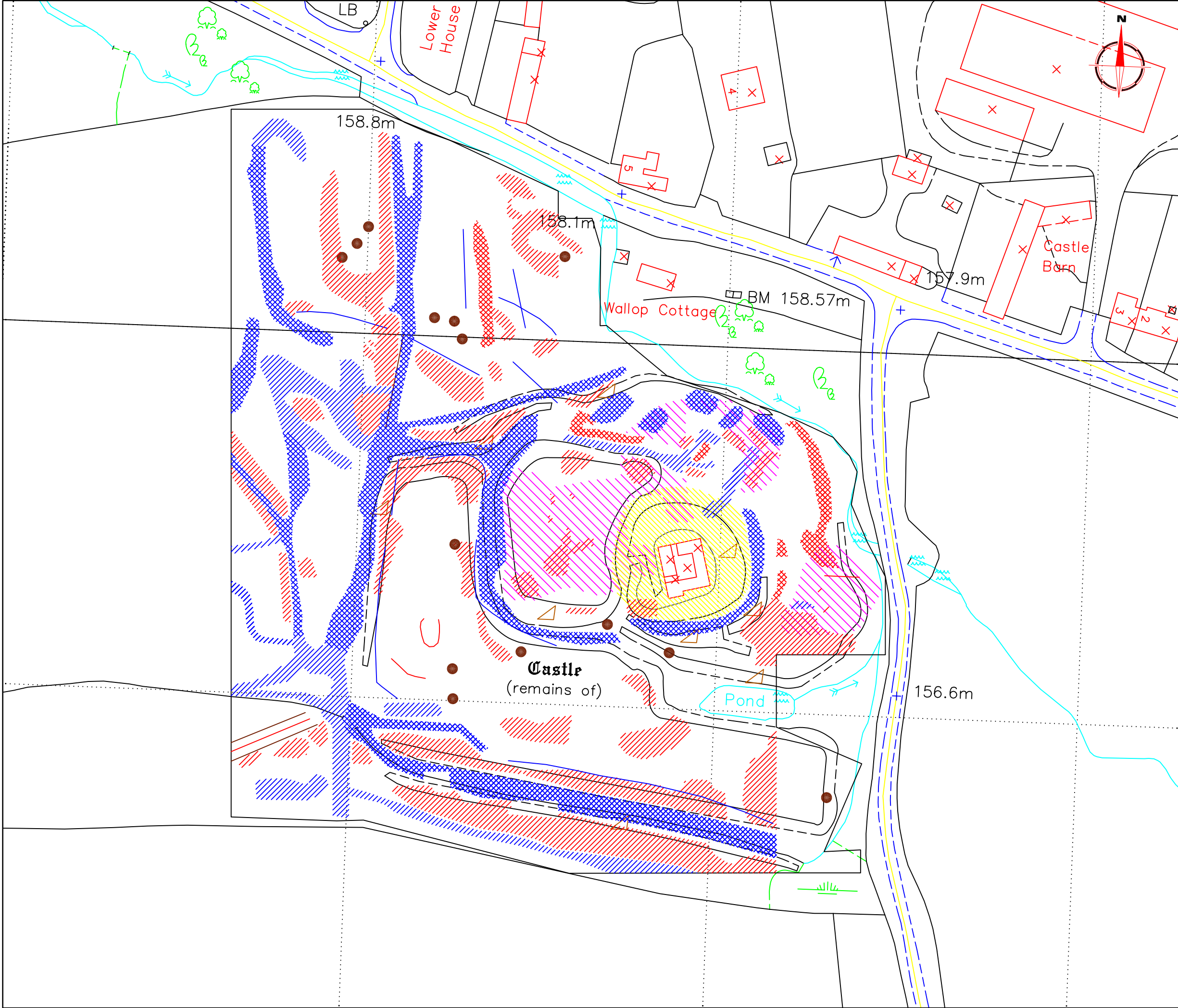
www.stratascan.co.uk

Scale

1:150

0m 1 2 3 4 5m

| | | | | | |
|-------------|---------|------------|-----|------------|----|
| Plot | A3 | Checked by | SAS | Issue No. | 01 |
| Survey date | SEPT 05 | Drawn by | DGE | Figure No. | 17 |



| Amendments | | |
|------------|------|-------------|
| Issue No. | Date | Description |
| - | - | - |
| - | - | - |

KEY

| | |
|--|---|
| | Castle motte |
| | Possible cut features of archeological origin |
| | Possible stone remains of archeological origin |
| | Possible pit |
| | Possible evidence of industrial activity |
| | Cut features - probable ditches of an archaeological origin |
| | Cut features - probable ditches of an archaeological origin (associated with surface expressions) |
| | Possible stone remains of an archaeological origin |
| | Possible stone remains of an archaeological origin (associated with surface expressions) |
| | Linear features of uncertain origin |

Client
HOPTON CASTLE PRESERVATION TRUST

Project Title
GEOPHYSICAL SURVEY - HOPTON CASTLE

Job No. 2057

Subject
INTEGRATED INTERPRETATION OF GEOPHYSICAL DATA

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IFA

Scale
1:1000

0m 10 20 30 40 50

| | | |
|-------------------------------|--------------------------|-------------------------|
| Plot A3 | Checked by SAS | Issue No. 01 |
| Survey date SEPT 05 | Drawn by DGE | Figure No. 18 |