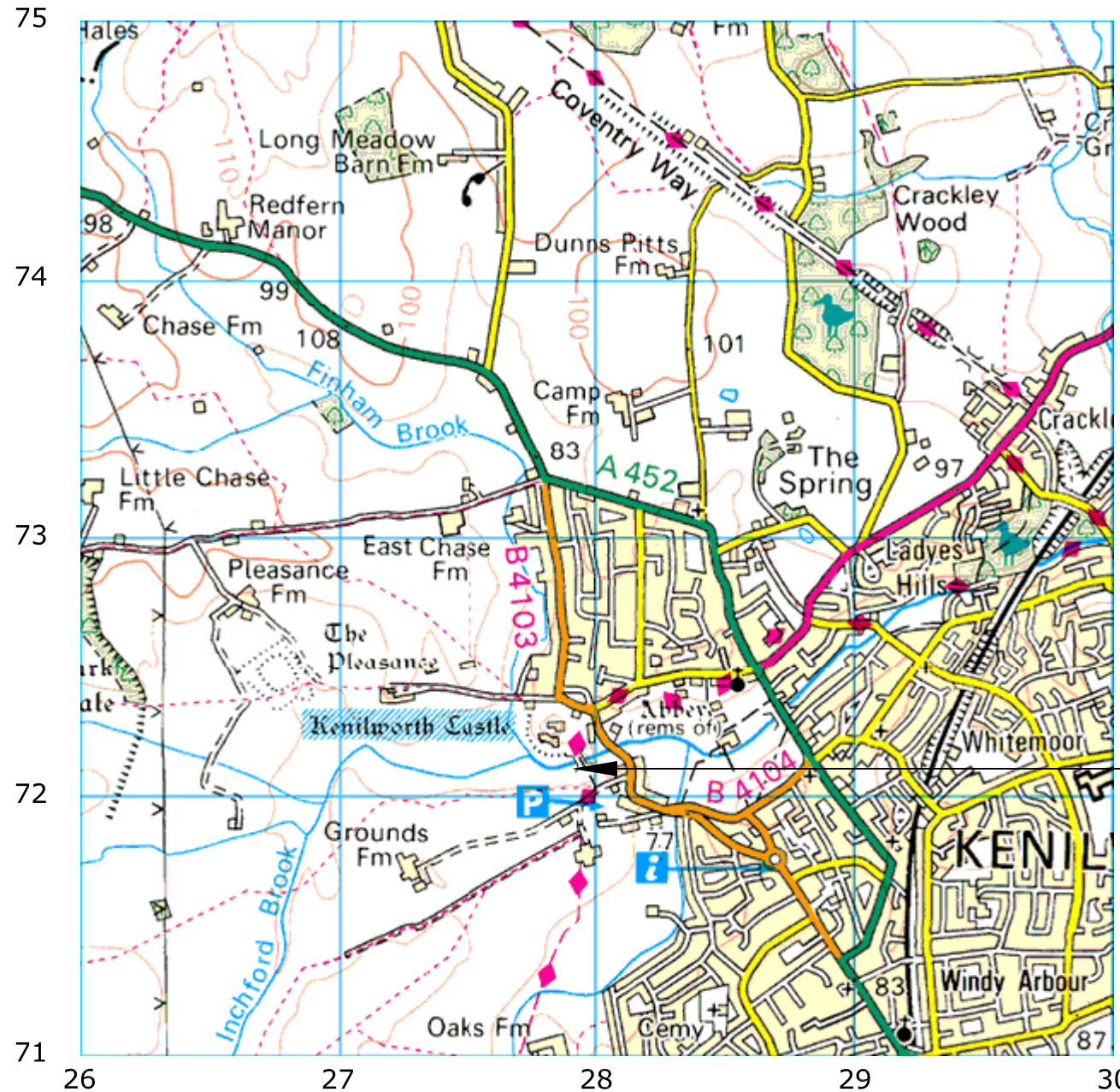
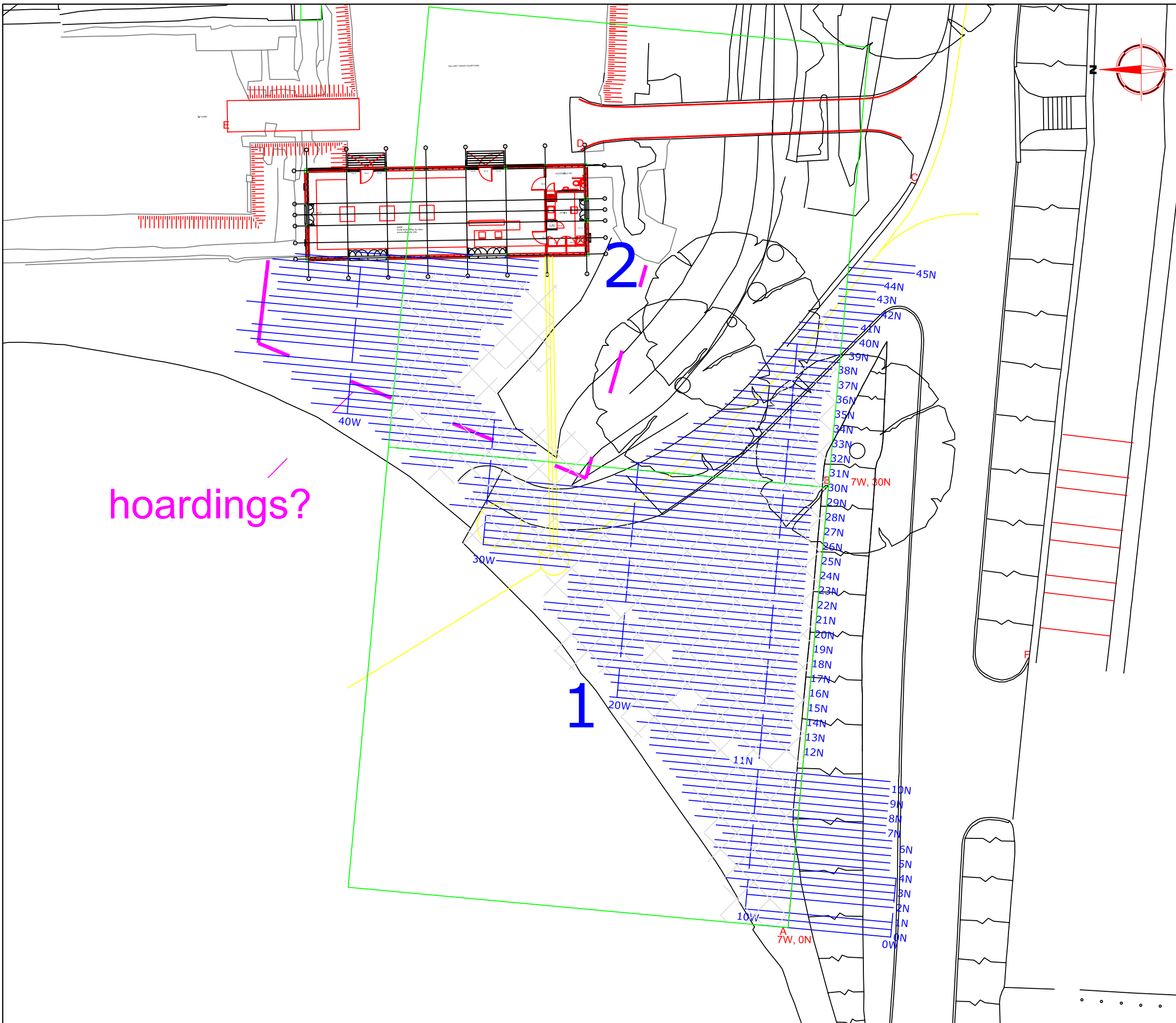


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 Upper Hook Road
 Upton Upon Severn
 WR8 0SA
 OS 100km square = SP



Survey Area

Amendments		
Issue No.	Date	Description
-	-	-
Site centred on NGR		SP 278 722
Client		ENGLISH HERITAGE
Project Title	Job No.	2086
GEOPHYSICAL SURVEY		KENILWORTH CASTLE
Subject		LOCATION PLAN OF SURVEY AREA
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		
Scale		0m 500 1000m
1:25 000		
Plot	Checked by	Issue No.
A3	SAS	01
Survey date	Drawn by	Figure No.
NOV 05	HH	01



hoardings?

Amendments		
Issue No.	Date	Description
REFERENCING INFORMATION		
A-B	30m	A-C 51.10m A-D 54.45m
A-E	66.51m	A-F 24.60m B-C 21.42m
B-D	28.52m	B-E 48.06m B-F 17.38m
A-B	Base line	
C,D, E,F	Referencing points	
2	Gradiometer grid and grid number	
—	GPR Traverse	
▨	Limit of gradiometer survey	
Client		
ENGLISH HERITAGE		
Project Title		Job No. 2086
GEOPHYSICAL SURVEY KENILWORTH CASTLE		
Subject		
SITE PLAN SHOWING LOCATION AND REFERENCING OF GRADIOMETRY AND GPR SURVEYS		
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		
Scale 1:250		
Plot	Checked by	Issue No.
A3	SAS	01
Survey date	Drawn by	Figure No.
NOV 05	HH	02



Amendments		
Issue No.	Date	Description
-	-	-

Plotting parameters

Maximum +30nT (black)
Minimum -30nT (white)

Client
ENGLISH HERITAGE

Project Title
**GEOPHYSICAL SURVEY
KENILWORTH CASTLE**

Job No. 2086

Subject
PLOT OF RAW GRADIOMETER DATA

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Scale 1:250

Plot A3	Checked by SAS	Issue No. 01
Survey date NOV 05	Drawn by HH	Figure No. 03



Amendments		
Issue No.	Date	Description
-	-	-

Plotting parameters	400nT
+80nT	320nT
(Positive values displace above the trace line. Hidden values have not been plotted. Data clipped at 500nT)	240nT
	160nT
	80nT
	0nT

Client
ENGLISH HERITAGE

Project Title **GEOPHYSICAL SURVEY** Job No. **2086**
KENILWORTH CASTLE

Subject
TRACE PLOT OF GRADIOMETER DATA
SHOWING POSITIVE VALUES

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Scale **1:250** 0m 5 10m

Plot A3	Checked by SAS	Issue No. 01
Survey date NOV 05	Drawn by HH	Figure No. 04



Amendments		
Issue No.	Date	Description
-	-	-

Plotting parameters

-80nT

(Negative values displace above the trace line. Hidden values have not been plotted. Data clipped at 500nT)

-400nT

-320nT

-240nT

-160nT

-80nT

0nT

Client

ENGLISH HERITAGE

Project Title	Job No.	2086
GEOPHYSICAL SURVEY KENILWORTH CASTLE		

Subject

**TRACE PLOT OF GRADIOMETER DATA
SHOWING NEGATIVE VALUES**

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Scale	0m 5 10m	
	1:250	

Plot	Checked by	Issue No.
A3	SAS	01
Survey date	Drawn by	Figure No.
NOV 05	HH	05



Amendments		
Issue No.	Date	Description
-	-	-

Plotting parameters	
Maximum +20nT (black) Minimum -20nT (white)	

Client	ENGLISH HERITAGE
--------	------------------

Project Title	Job No.	2086
GEOPHYSICAL SURVEY KENILWORTH CASTLE		

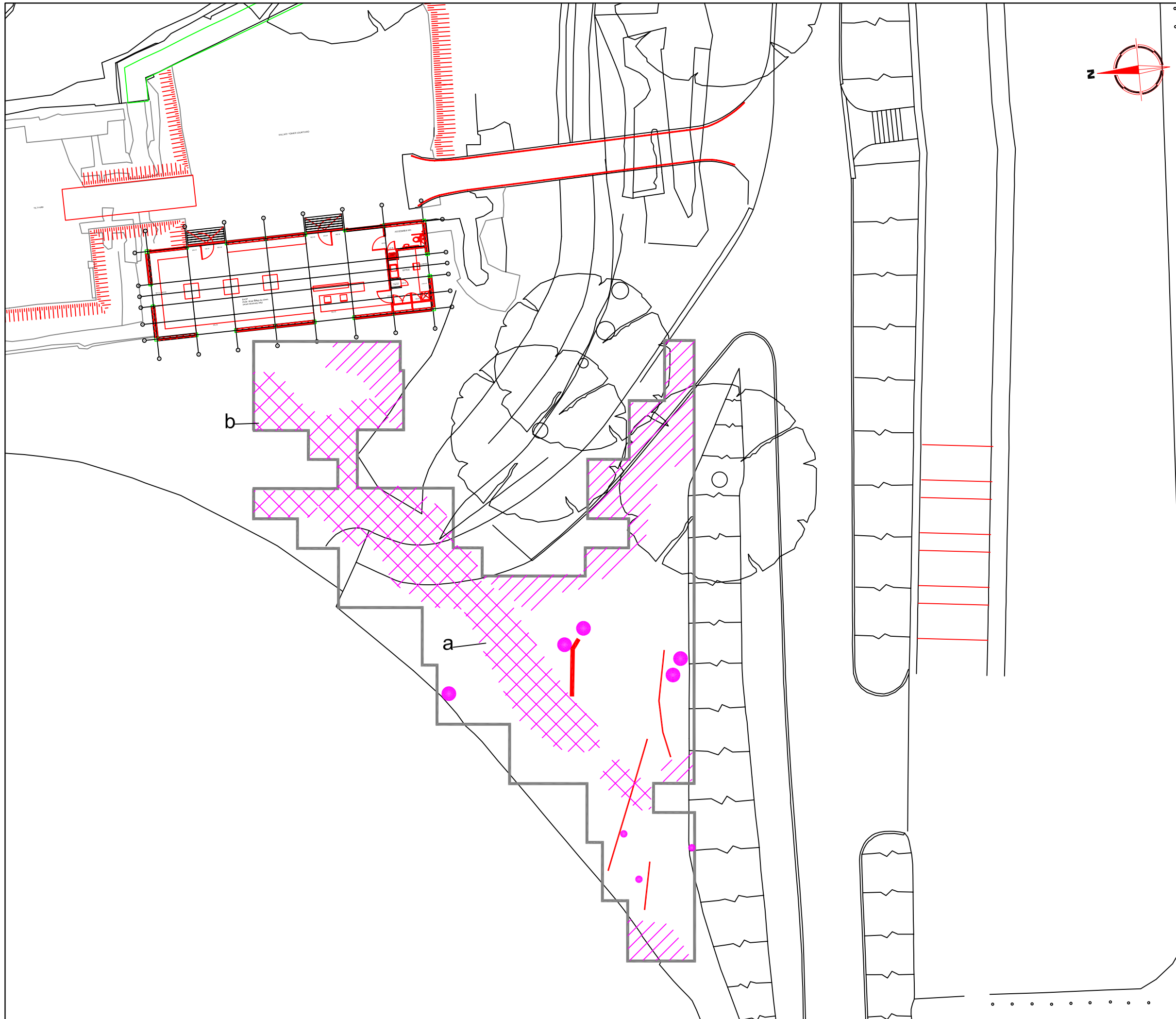
Subject	PLOT OF PROCESSED GRADIOMETER DATA
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REGISTERED ORGANISATION IFA

Scale	0m 5 10m	
1:250		

Plot	Checked by	Issue No.
A3	SAS	01
Survey date	Drawn by	Figure No.
NOV 05	HH	06



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

KEY	
	Positive anomaly with associated negative response - ferrous object
	Positive linear anomaly - cut feature of possible archaeological origin
	Area of magnetic debris - caused by possible service or bollards
	Area of magnetic debris - caused by modern debris

Client
ENGLISH HERITAGE

Project Title **GEOPHYSICAL SURVEY** Job No. **2086**
KENILWORTH CASTLE

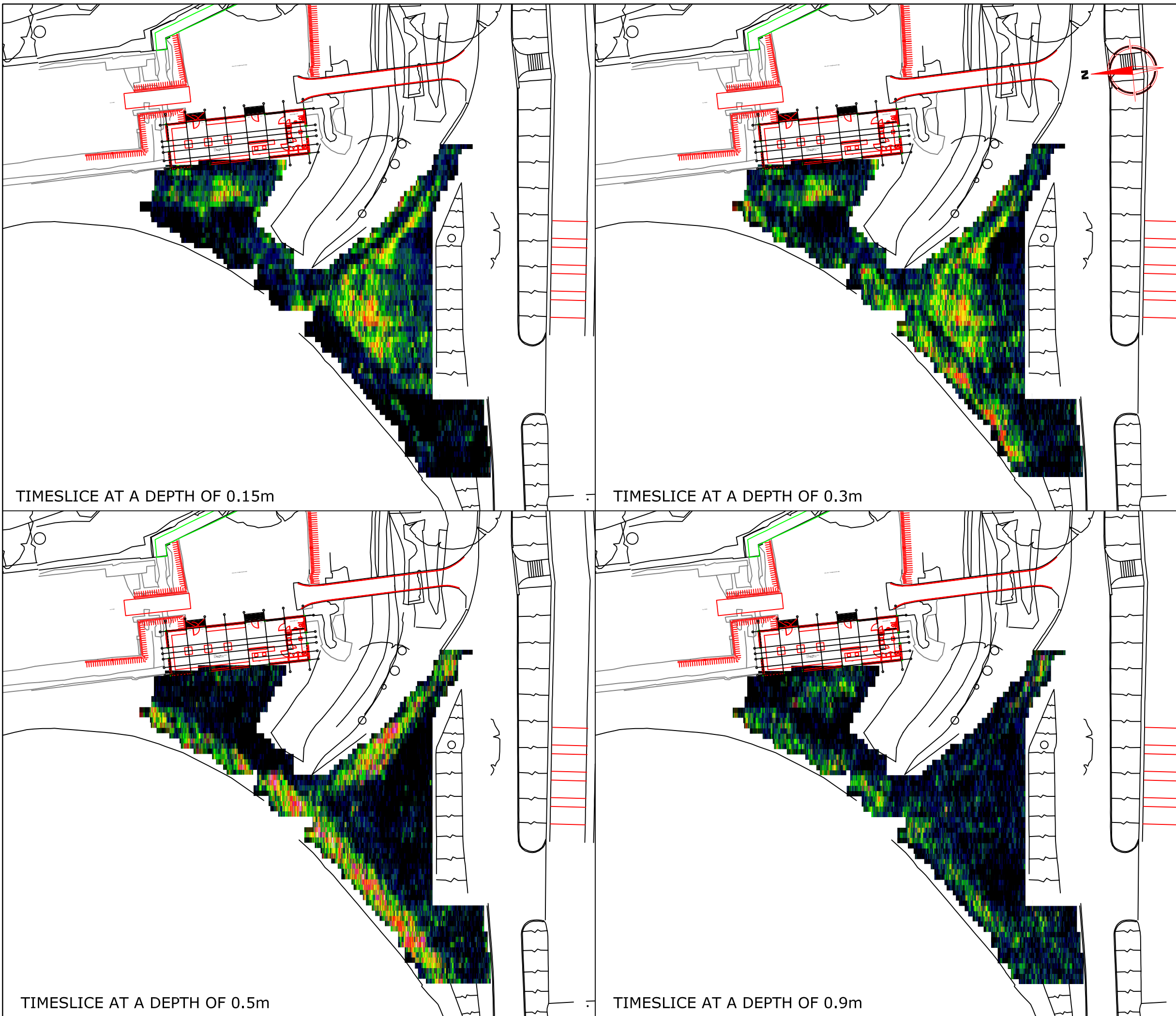
Subject
ABSTRACTION AND INTERPRETATION OF GRADIOMETER ANOMALIES

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Scale **1:250**

Plot A3	Checked by SAS	Issue No. 01
Survey date NOV 05	Drawn by HH	Figure No. 07



TIMESLICE AT A DEPTH OF 0.15m

TIMESLICE AT A DEPTH OF 0.3m

TIMESLICE AT A DEPTH OF 0.5m

TIMESLICE AT A DEPTH OF 0.9m

Amendments		
Issue No.	Date	Description

Colour Scale for Timeslice 'Activity' Plots and Simplified Key
 INCREASING ↑
 High Energy Return
 -Possible Archaeological Target
 Medium Energy Return
 -Mixed Ground
 Low Energy Return
 -Homogenous Ground
 ↓ DECREASING

Client
ENGLISH HERITAGE

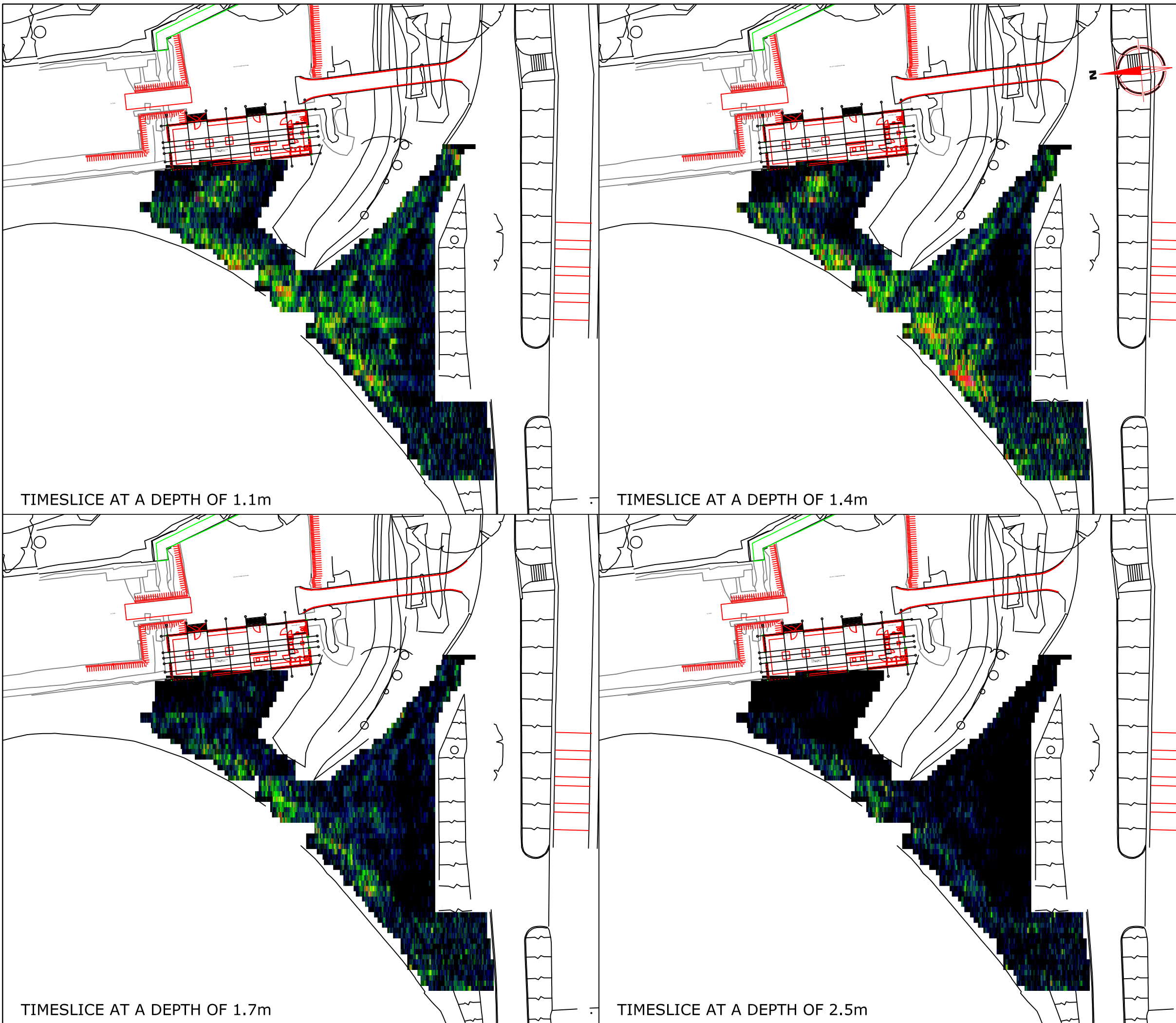
Project Title **GEOPHYSICAL SURVEY** Job No. 2086
KENILWORTH CASTLE

Subject
GPR TIMESLICE PLOTS WITH SLICE WIDTHS OF 0.25m AT DEPTHS OF BETWEEN 0.15-0.9m

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Scale **1:500**
 0m 5 10m

Plot A3	Checked by SAS	Issue No. 01
Survey date NOV 05	Drawn by HH	Figure No. 08



TIMESLICE AT A DEPTH OF 1.1m

TIMESLICE AT A DEPTH OF 1.4m

TIMESLICE AT A DEPTH OF 1.7m

TIMESLICE AT A DEPTH OF 2.5m

Amendments		
Issue No.	Date	Description
-	-	-

Colour Scale for Timeslice 'Activity' Plots and Simplified Key

INCREASING ENERGY LEVEL ↑

High Energy Return
-Possible Archaeological Target

Medium Energy Return
-Mixed Ground

Low Energy Return
-Homogenous Ground

DECREASING ENERGY LEVEL ↓

Client
ENGLISH HERITAGE

Project Title
GEOPHYSICAL SURVEY
KENILWORTH CASTLE

Job No. 2086

Subject
GPR TIMESLICE PLOTS WITH SLICE WIDTHS OF 0.25m AT DEPTHS OF BETWEEN 0.15-0.9m

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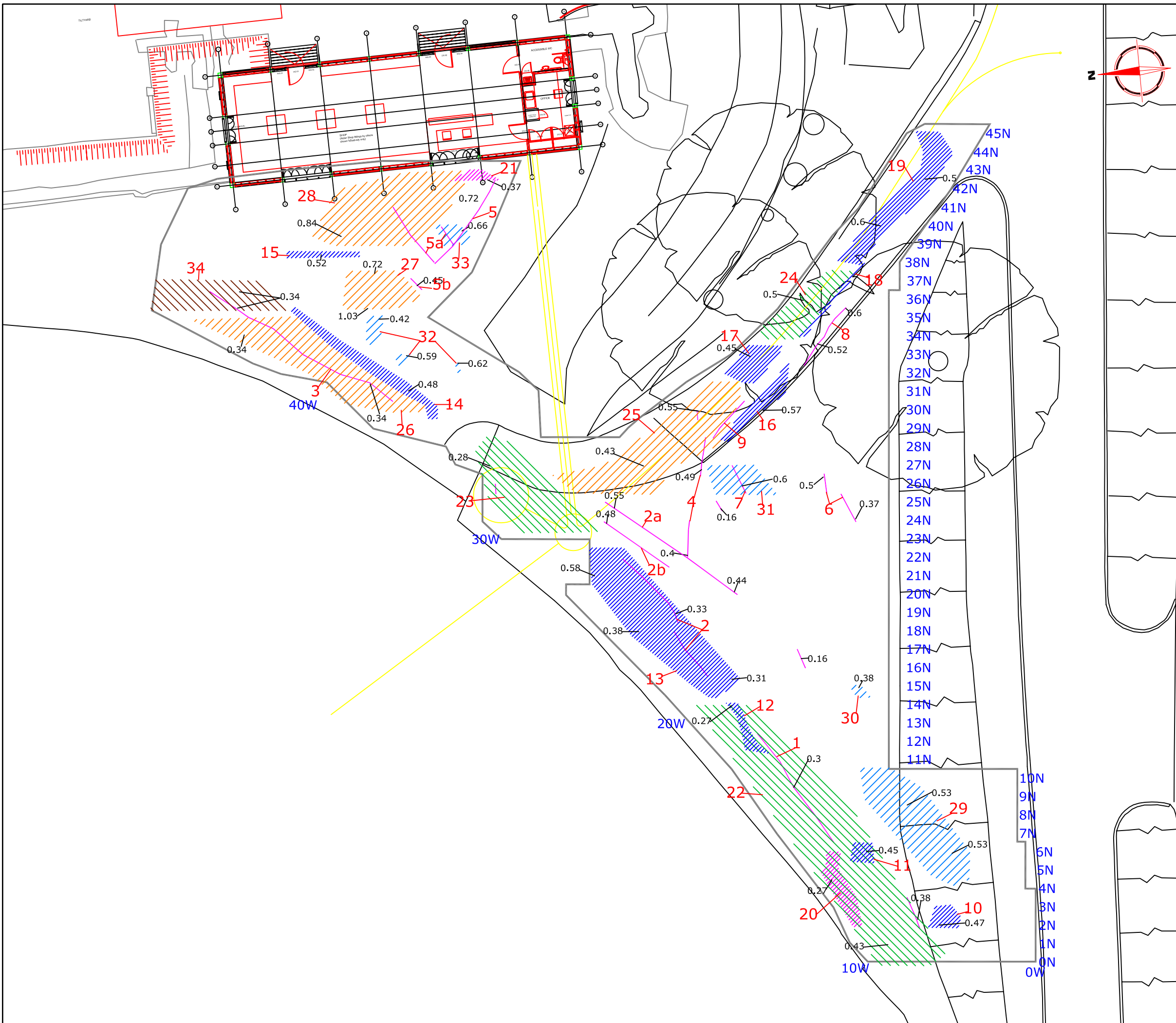
Scale 1:500

0m 5 10m

Plot A3	Checked by SAS	Issue No. 01
Survey date NOV 05	Drawn by HH	Figure No. 09



Amendments		
Issue No.	Date	Description
RADAR ABSTRACTION KEY		
	Strong Discrete	
	Weak Discrete	
	Strong Complex	
	Weak Complex	
	Point Diffraction	
	Broad Crested	
	Strong Planar	
	Weak Planar	
	Conductive Surface	
	Inclined Event	
0.25	Depth to top of anomaly [m]	
Client		
ENGLISH HERITAGE		
Project Title		Job No. 2086
GEOPHYSICAL SURVEY KENILWORTH CASTLE		
Subject		ABSTRACTION OF GROUND PENETRATING RADAR DATA- 400MHZ
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Scale 1:200		
Plot	Checked by	Issue No.
A3	SAS	01
Survey date	Drawn by	Figure No.
NOV 05	HH	10



Amendments		
Issue No.	Date	Description

KEY

	Linear anomalies possibly relating to services or structural debris
	Strong discrete anomaly - possibly associated with path construction or to a service trench
	Broad crested anomaly - possibly associated with structural remains or to a service
	Strong complex anomaly - area of ground disturbance or structural remains
	Strong planar anomaly - associated with path construction
	Weak complex anomaly - area of disturbed ground
	Weak discrete anomaly - possible structural debris of archaeological origin
0.35	Approximate depth to top of anomaly (m)
1	Anomaly number

Client: **ENGLISH HERITAGE**

Project Title: **GEOPHYSICAL SURVEY** Job No. 2086
KENILWORTH CASTLE

Subject: **INTERPRETATION OF GPR DATA**

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Scale: **1:200**

Plot: A3	Checked by: SAS	Issue No.: 01
Survey date: NOV 05	Drawn by: HH	Figure No.: 11