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



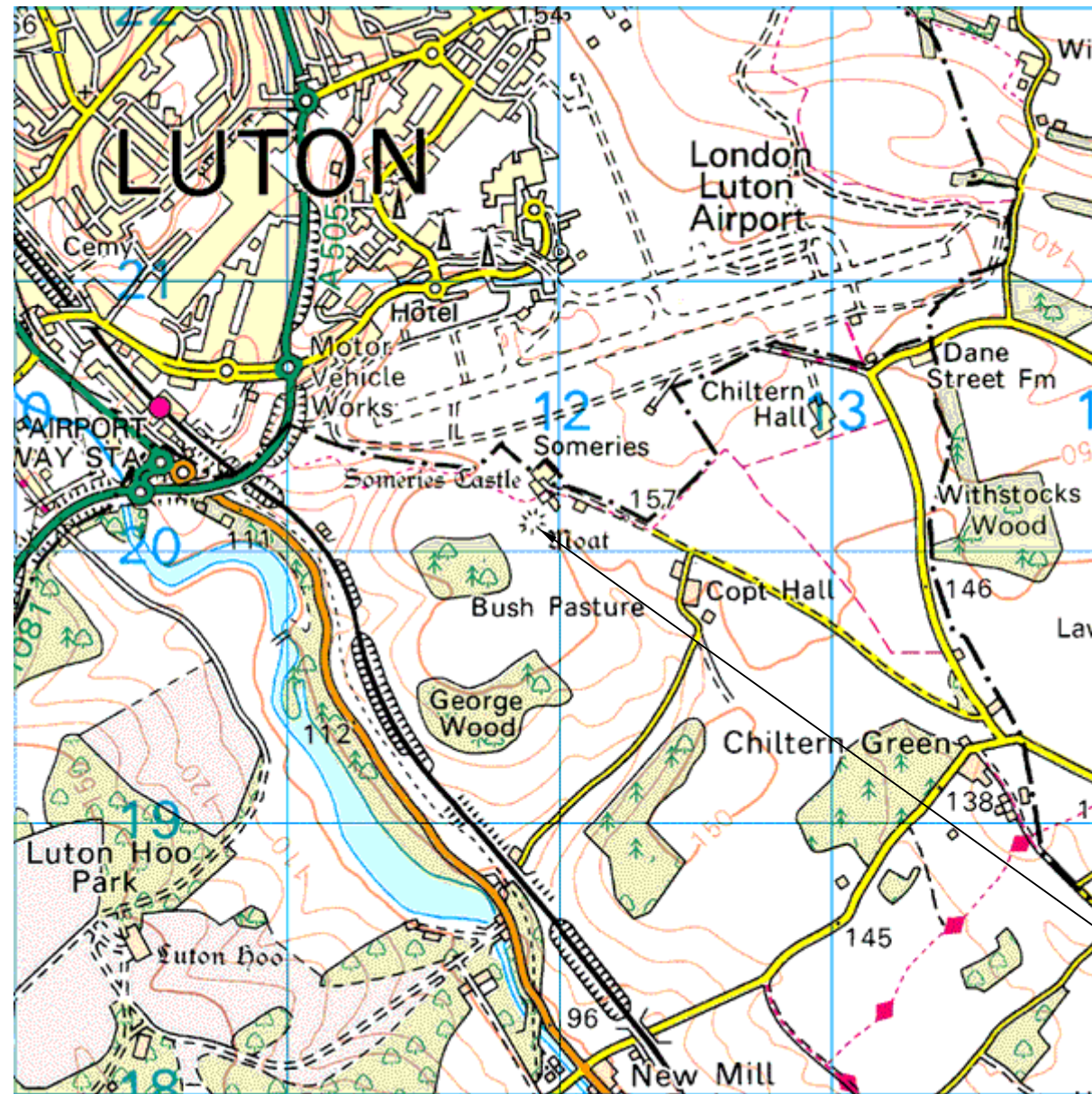
22

21

20

19

18



Survey Area

10

11

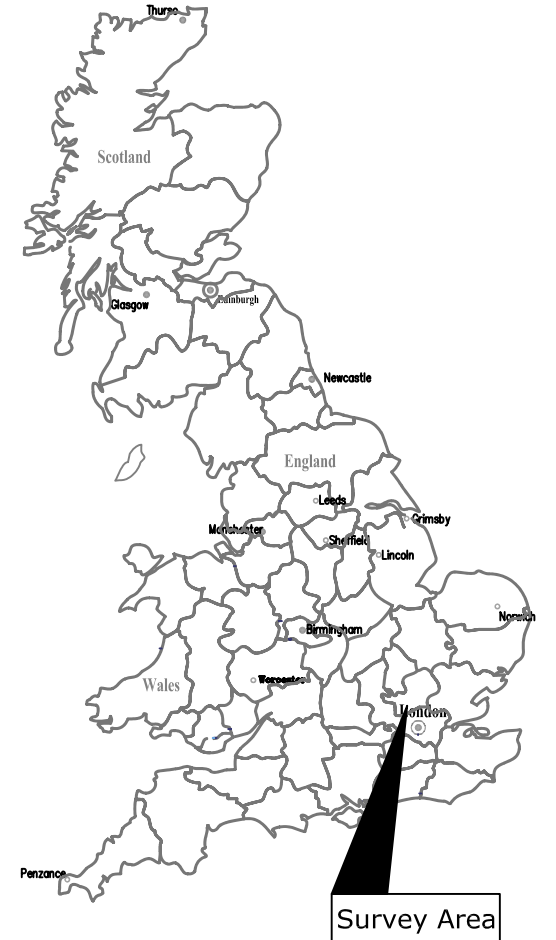
12

13

14

Amendments

Issue No.	Date	Description
-	-	-



Site centred on NGR TL 118 201

Client  
**TERENCE O'ROURKE**

Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
 LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**LOCATION PLAN OF SURVEY AREA**

**STRATASCAN™**  
 GEOPHYSICS FOR ARCHAEOLOGY

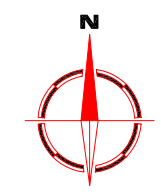
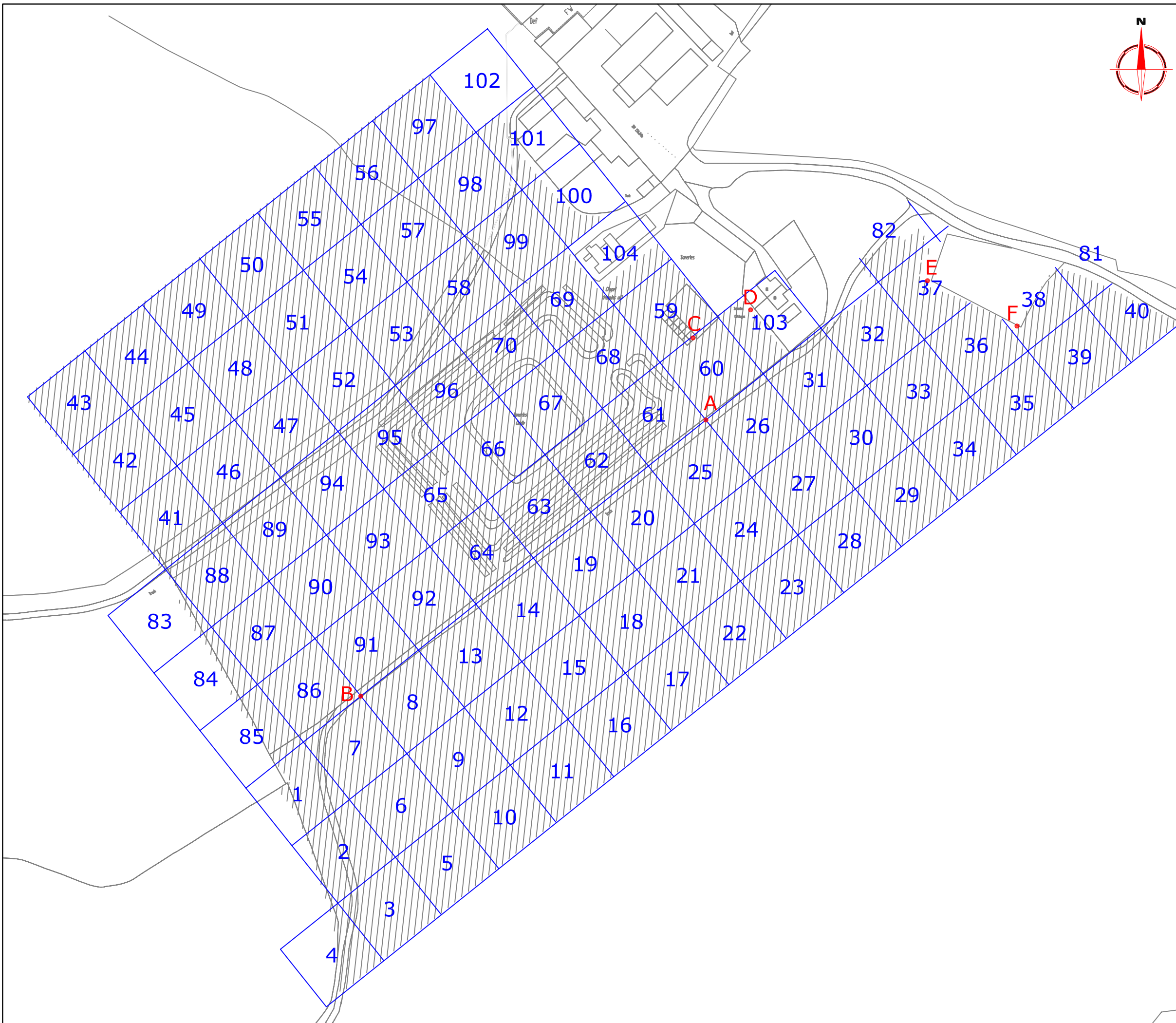
AND ENGINEERING  
 VINEYARD HOUSE  
 UPPER HOOK ROAD  
 UPTON UPON SEVERN  
 UK



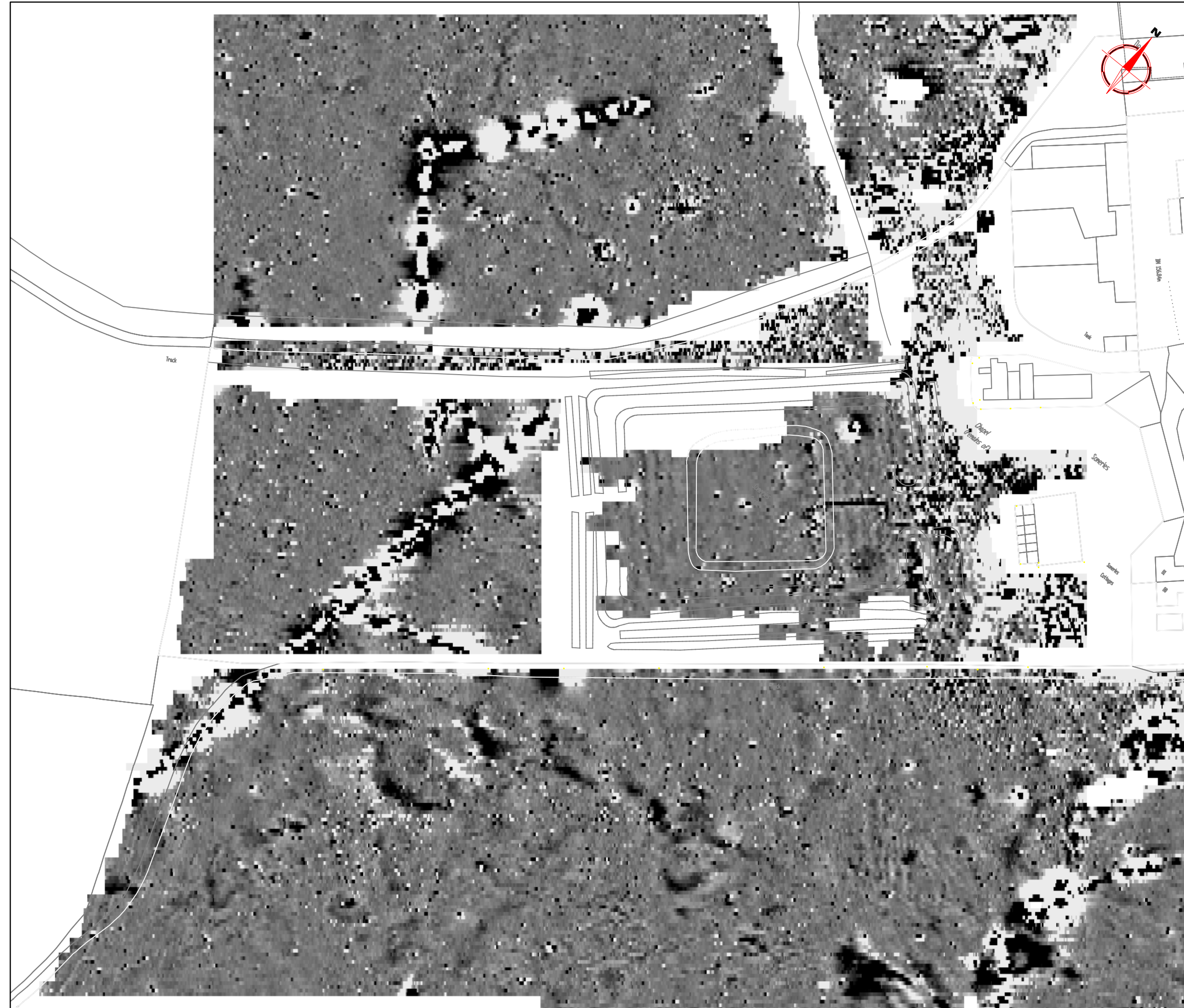
WR8 0SA  
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 E: info@stratascan.co.uk  
 www.stratascan.co.uk

Scale 0m 500 1000m  
**1:25 000**

Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APRIL 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>01</b>



Amendments		
Issue No.	Date	Description
-	-	-
<b>OS CO-ORDINATES</b>		
<b>A</b>	511967. 911, 220123.712	
<b>B</b>	511827. 063, 220011.416	
<b>REFERENCING INFORMATION</b>		
<b>A-B</b>	180m	<b>A-C</b> 33.81m <b>A-D</b> 48.45m
<b>A-E</b>	106.62m	<b>A-F</b> 132.36m <b>B-C</b> 199.00m
<b>B-D</b>	223.57m	<b>B-E</b> 286.22m <b>B-F</b> 306.87m
<b>A-B</b>	Base line	
<b>C, D, E, F</b>	Referencing points	
<b>2</b>	Grid number	
	Area surveyed within grid	
Client		
<b>TERENCE O'ROURKE</b>		
Project Title		Job No. 2126
<b>GEOPHYSICAL SURVEY- LUTON AIRPORT- SOMERIES CASTLE</b>		
Subject		
<b>SITE PLAN SHOWING LOCATION OF SURVEY GRIDS AND REFERENCING</b>		
<b>STRATASCAN™</b> 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		
<b>1:1500</b>		0m 10 20 30 40 50m
Plot	Checked by	Issue No.
<b>A3</b>	<b>SAS</b>	<b>01</b>
Survey date	Drawn by	Figure No.
<b>APRIL 06</b>	<b>RAJS</b>	<b>02</b>



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

Plotting parameters

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

-3SD      +3SD

+5nT

-5nT

Client  
**TERENCE O'ROURKE**

Project Title      Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

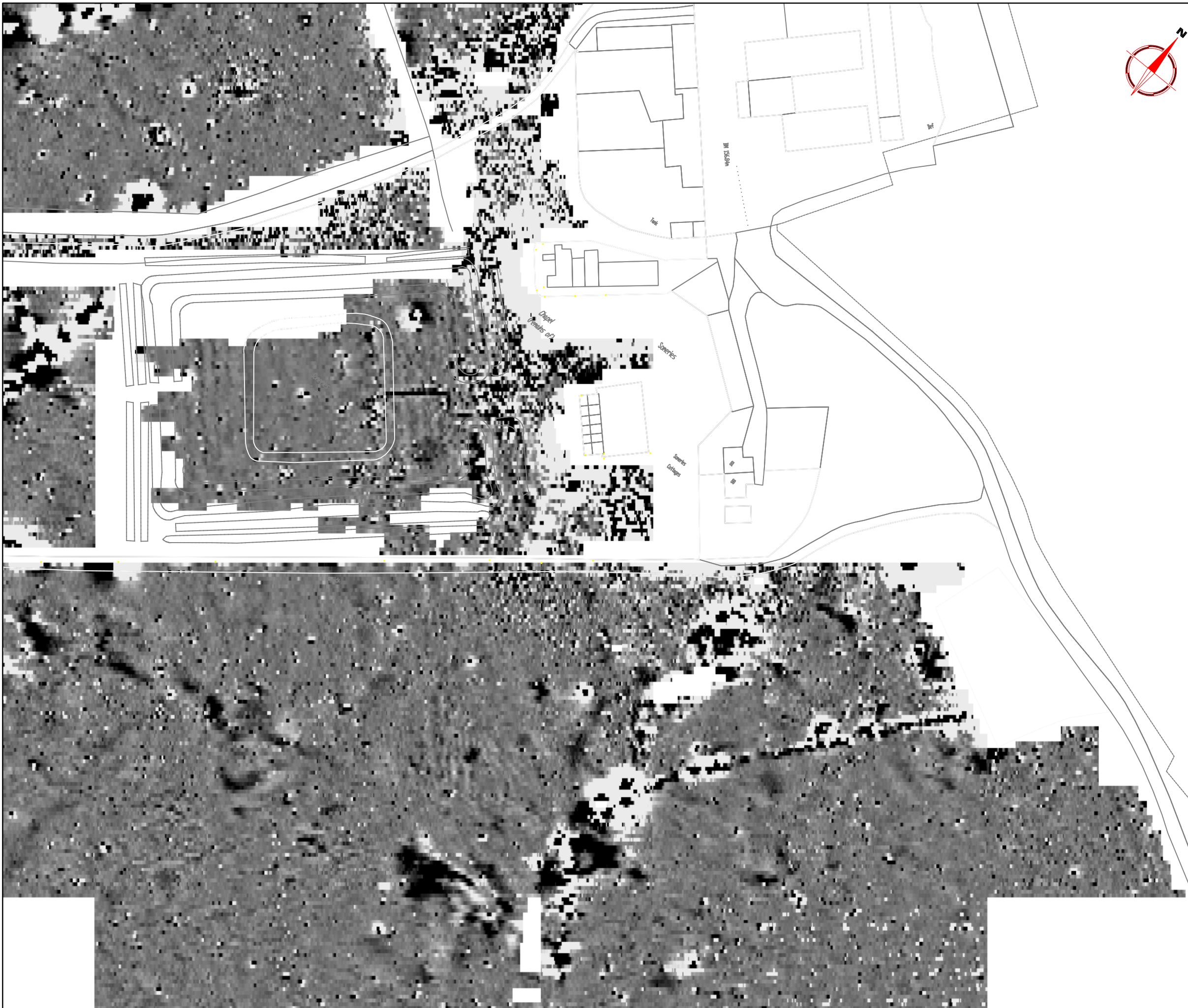
Subject  
**PLOT OF RAW  
GRADIOMETER DATA- WEST**

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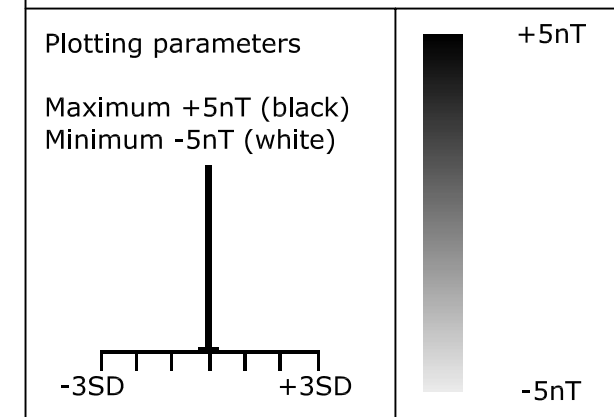
REGISTERED ORGANISATION  
IFA

Scale 1:1000  
0m 10 20 30 40 50

Plot <b>A3</b>	Checked by <b>PPB</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>03</b>



Amendments		
Issue No.	Date	Description
-	-	-



Client  
**TERENCE O'ROURKE**

Project Title      Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

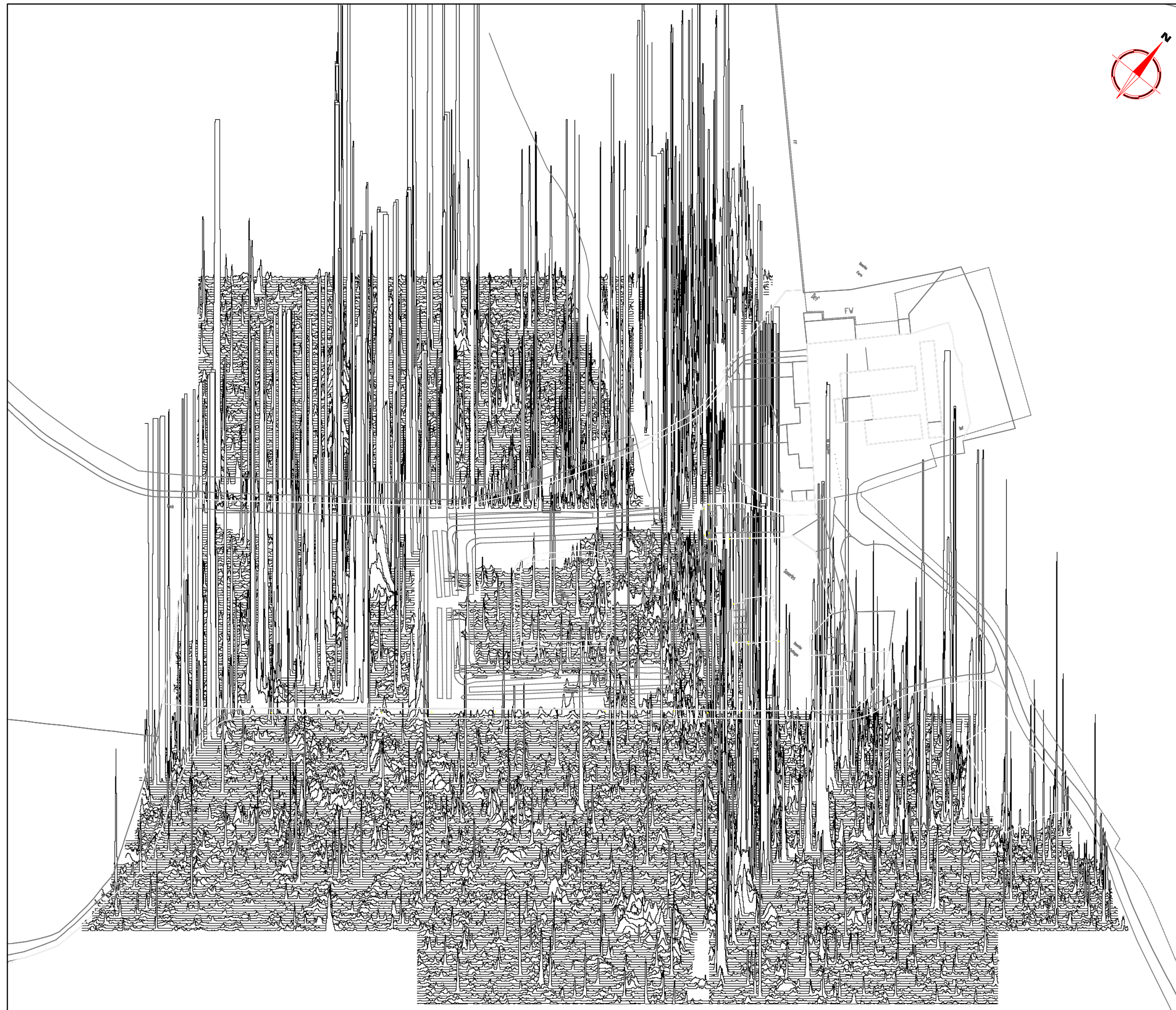
Subject  
**PLOT OF RAW GRADIOMETER DATA-  
EAST**

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Scale  
**1:1000**      0m    10    20    30    40    50

Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>04</b>



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

Plotting parameters	200nT
+40nT	160nT
(Positive values displace above the trace line. Hidden values have not been plotted)	120nT
	80nT
	40nT
	0nT

Client	TERENCE O'ROURKE
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Project Title	Job No.	2126
GEOPHYSICAL SURVEY- LUTON AIRPORT- SOMERIES CASTLE		

Subject	TRACE PLOT OF GRADIOMETER DATA SHOWING POSITIVE VALUES
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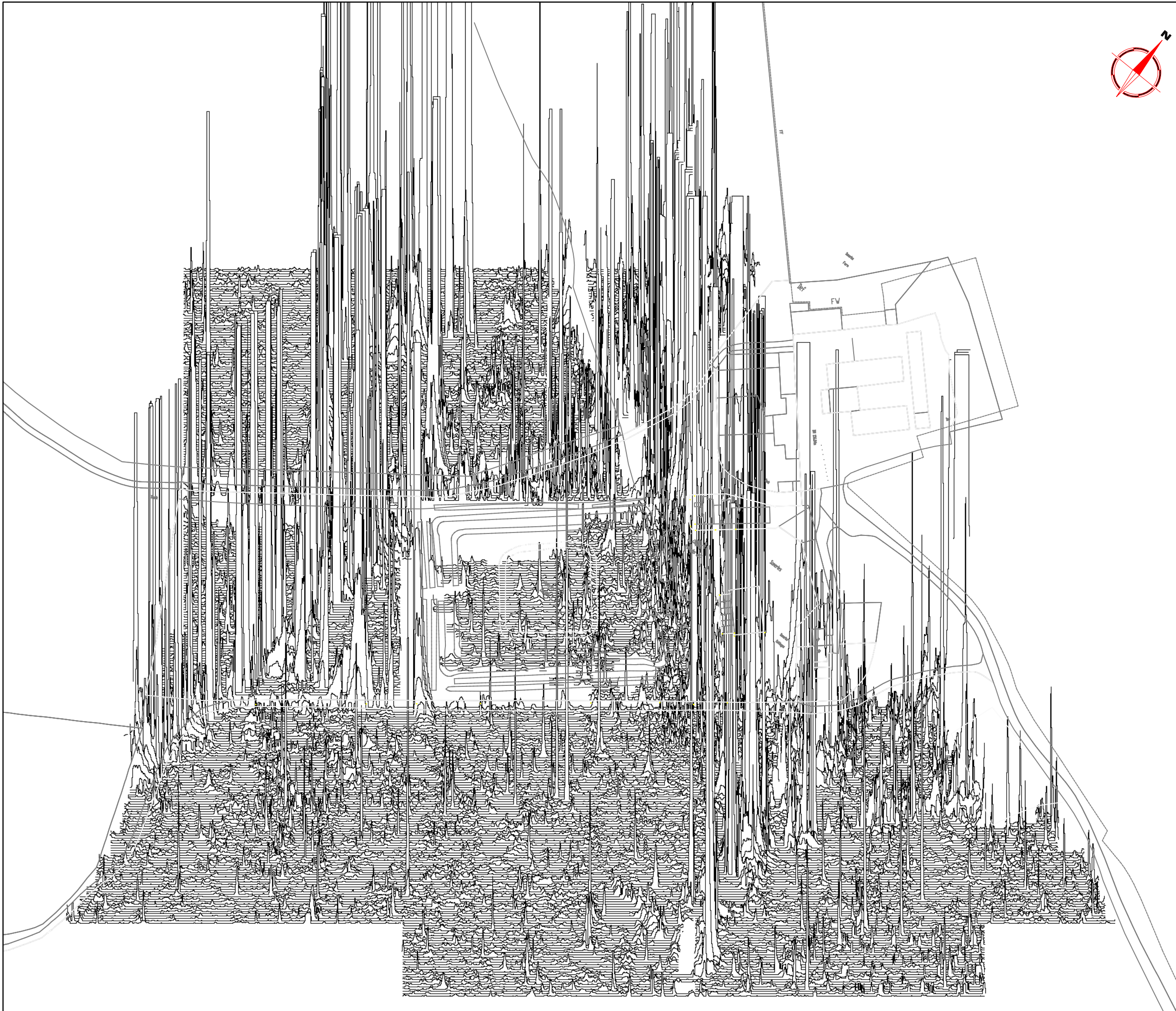
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Scale	0m 10 20 30 40 50m	
1:1500		

Plot	Checked by	Issue No.
A3	SAS	01
Survey date	Drawn by	Figure No.
APRIL 06	RAJS	05



Amendments		
Issue No.	Date	Description
-	-	-

Plotting parameters	-200nT
-40nT	-160nT
(Negative values displace above the trace line. Hidden values have not been plotted)	-120nT
	-80nT
	-40nT
	0nT

Client  
**TERENCE O'ROURKE**

Project Title  
**GEOPHYSICAL SURVEY- LUTON AIRPORT- SOMERIES CASTLE**

Job No. 2126

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

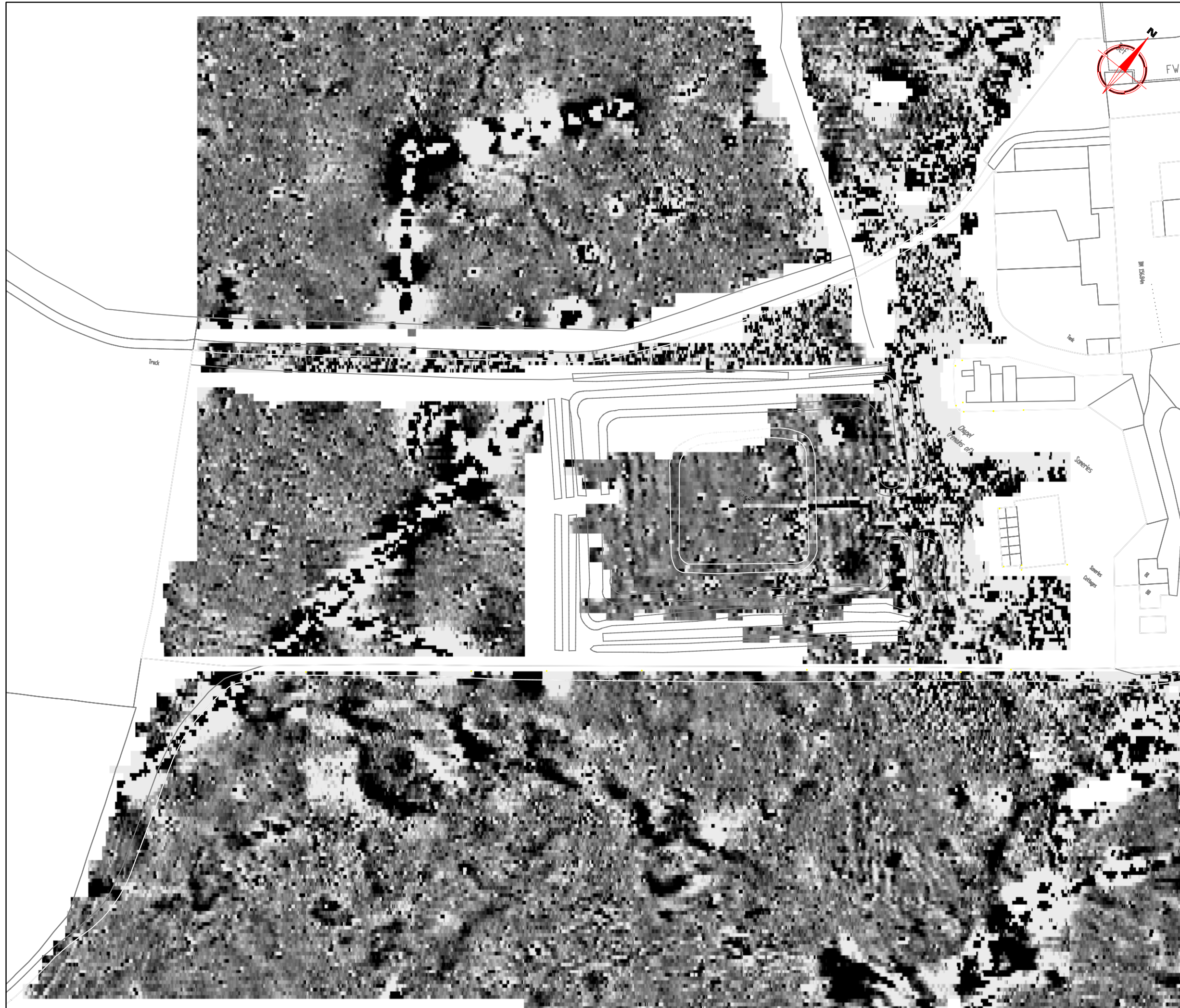
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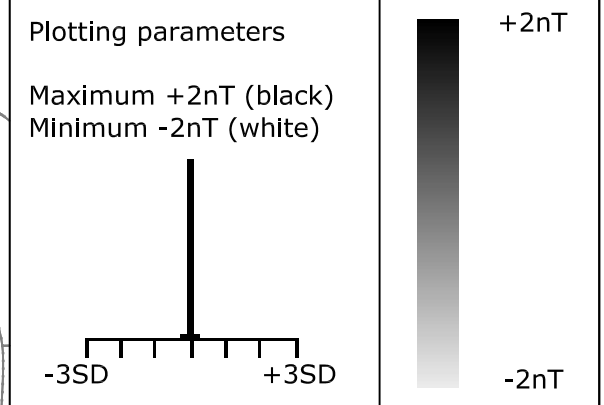
Scale  
**1:1500**

0m 10 20 30 40 50m

Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APRIL 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>06</b>



Amendments		
Issue No.	Date	Description
-	-	-



Client  
**TERENCE O'ROURKE**

Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

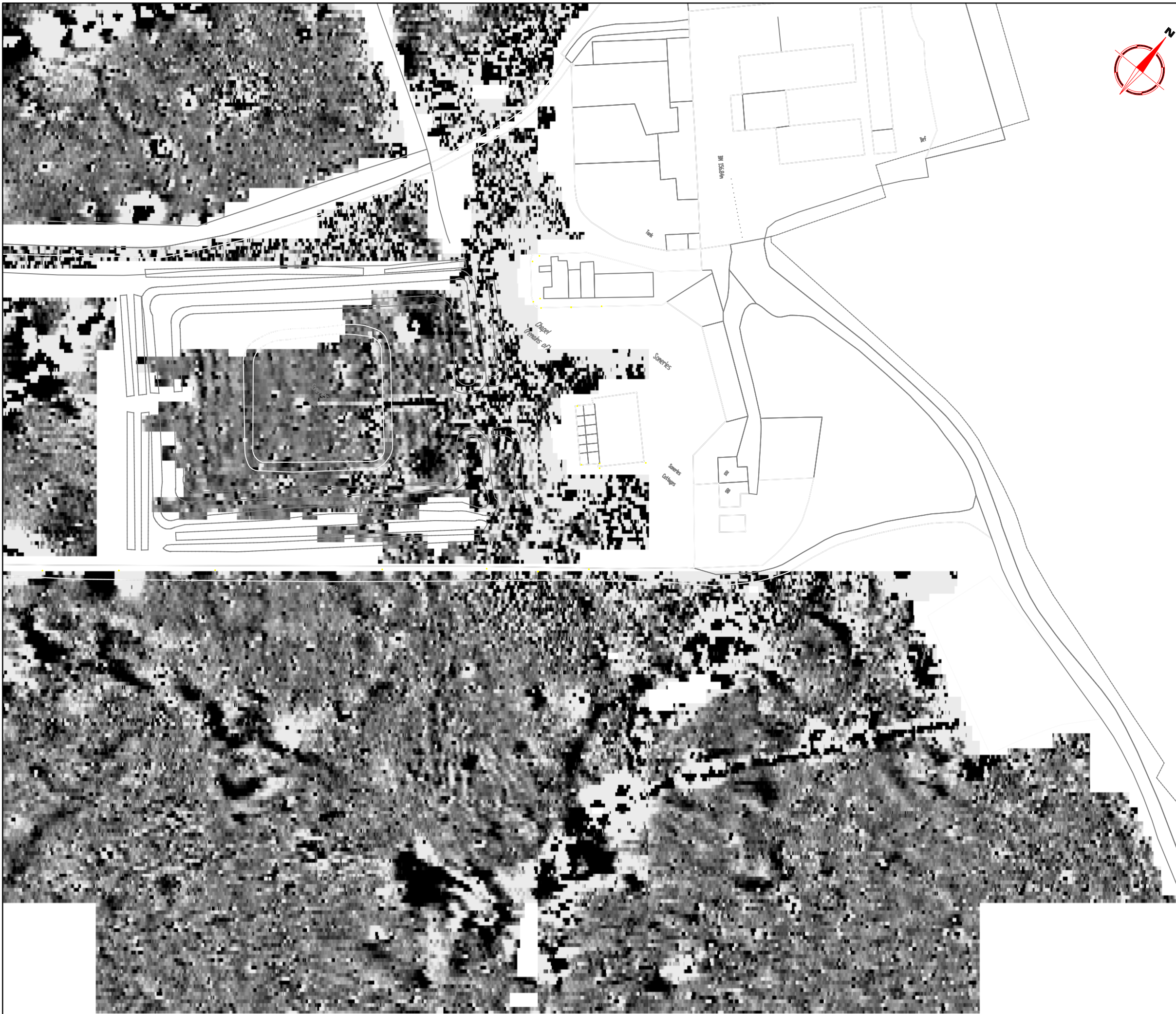
Subject  
**PLOT OF PROCESSED  
GRADIOMETER DATA-  
WEST**

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www.stratascan.co.uk

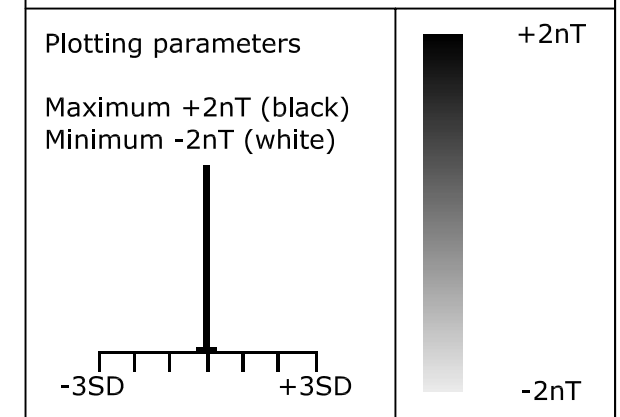


Scale **1:1000**  
0m 10 20 30 40 50

Plot <b>A3</b>	Checked by <b>PPB</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>07</b>



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



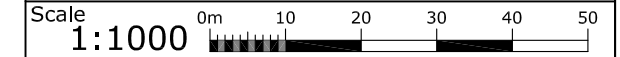
Client  
**TERENCE O'ROURKE**

Project Title  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Job No. 2126

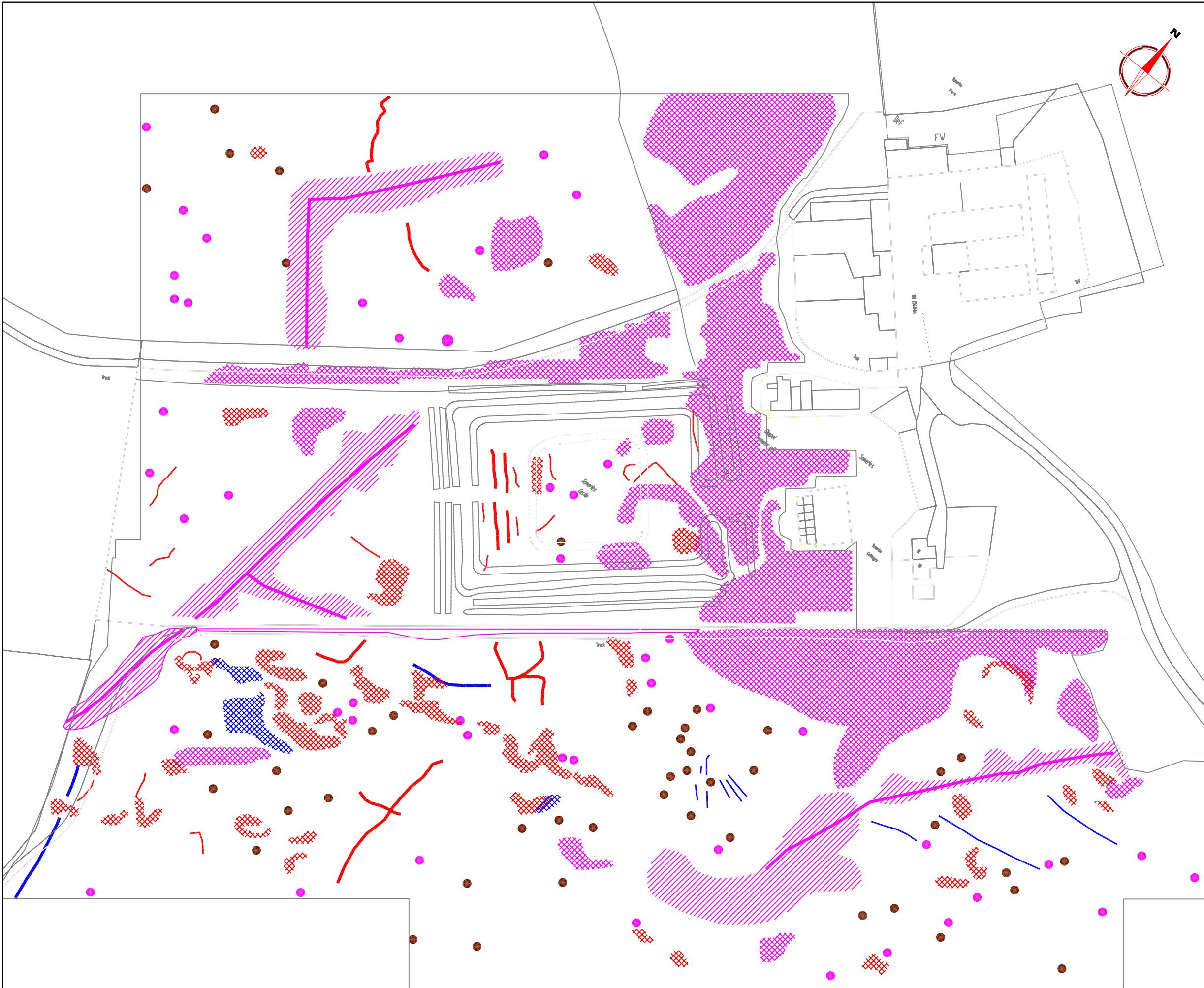
Subject  
**PLOT OF PROCESSED  
GRADIOMETER DATA-  
EAST**

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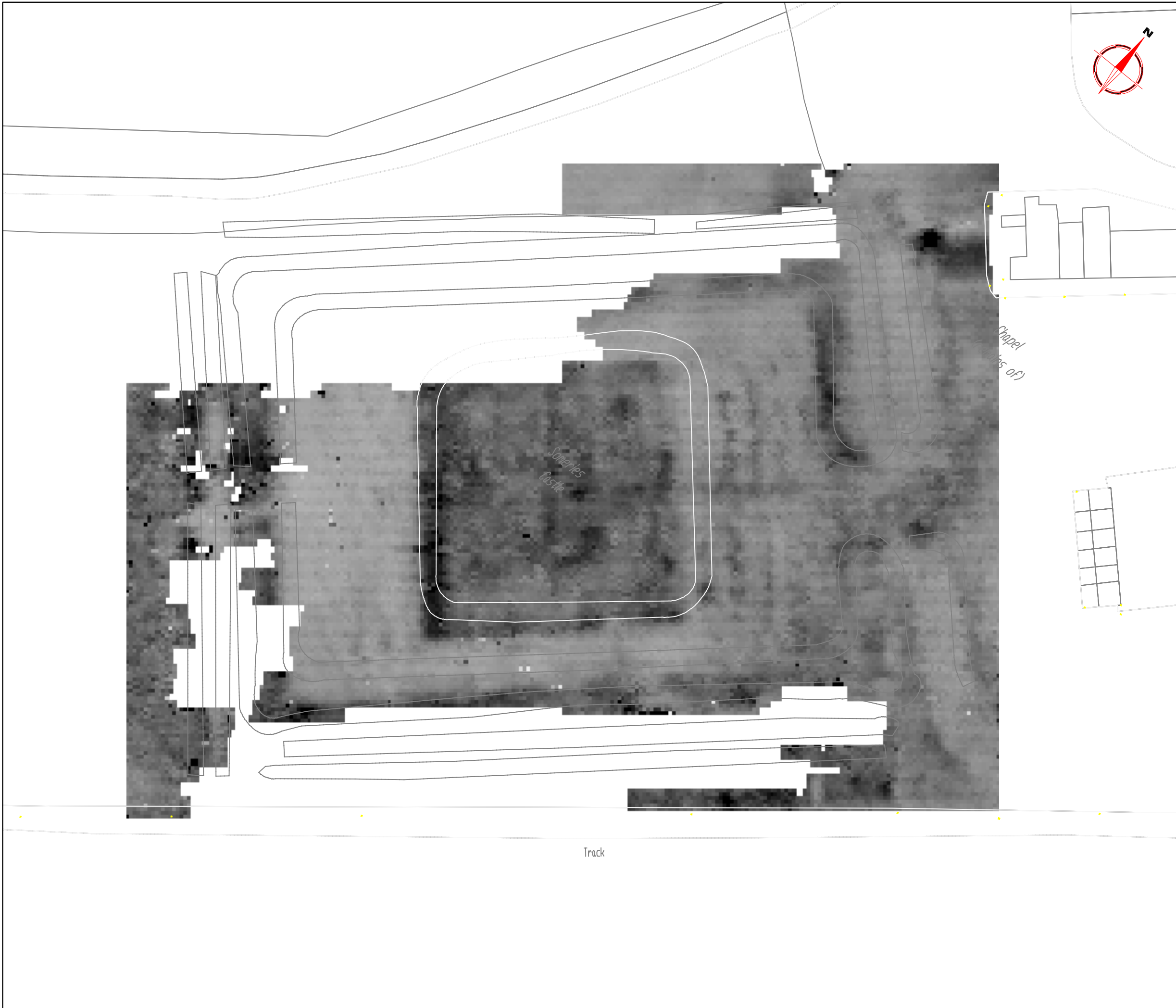



Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APRIL 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>08</b>

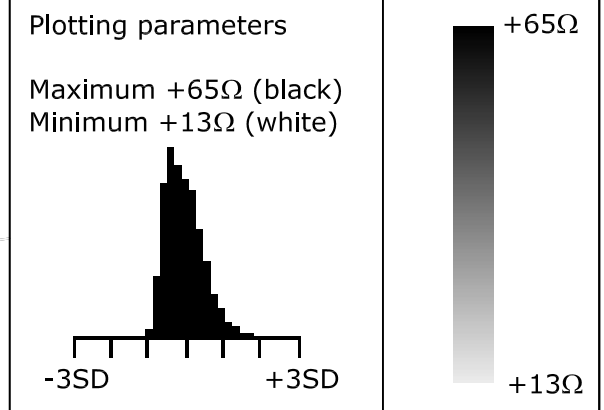




Amendments																				
Issue No.	Date	Description																		
-	-	-																		
-	-	-																		
<table border="1"> <tr> <td></td> <td>Positive area anomaly - cut feature of possible archaeological origin</td> </tr> <tr> <td></td> <td>Negative area anomaly - possible archaeological origin</td> </tr> <tr> <td></td> <td>Magnetic disturbance</td> </tr> <tr> <td></td> <td>Area of magnetic debris/disturbance- associated with pipeline</td> </tr> <tr> <td></td> <td>Pipeline</td> </tr> <tr> <td></td> <td>Positive linear anomaly - cut feature of possible archaeological origin</td> </tr> <tr> <td></td> <td>Negative linear anomaly - embankment/earthwork remains</td> </tr> <tr> <td></td> <td>Discrete positive anomaly with negative response - ferrous object</td> </tr> <tr> <td></td> <td>Discrete positive anomaly - possible pit</td> </tr> </table>				Positive area anomaly - cut feature of possible archaeological origin		Negative area anomaly - possible archaeological origin		Magnetic disturbance		Area of magnetic debris/disturbance- associated with pipeline		Pipeline		Positive linear anomaly - cut feature of possible archaeological origin		Negative linear anomaly - embankment/earthwork remains		Discrete positive anomaly with negative response - ferrous object		Discrete positive anomaly - possible pit
	Positive area anomaly - cut feature of possible archaeological origin																			
	Negative area anomaly - possible archaeological origin																			
	Magnetic disturbance																			
	Area of magnetic debris/disturbance- associated with pipeline																			
	Pipeline																			
	Positive linear anomaly - cut feature of possible archaeological origin																			
	Negative linear anomaly - embankment/earthwork remains																			
	Discrete positive anomaly with negative response - ferrous object																			
	Discrete positive anomaly - possible pit																			
Client																				
TERENCE O'ROURKE																				
Project Title		Job No. 2126																		
GEOPHYSICAL SURVEY- LUTON AIRPORT- SOMERIES CASTLE																				
Subject																				
ABSTRACTION AND INTERPRETATION OF GRADIOMETER ANOMALIES																				
<b>STRATASCAN™</b> 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																				
1:1250																				
Plot	Checked by	Issue No.																		
A3	PPB	01																		
Survey date	Drawn by	Figure No.																		
APR 06	RAJS	09																		



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



Client  
**TERENCE O'ROURKE**

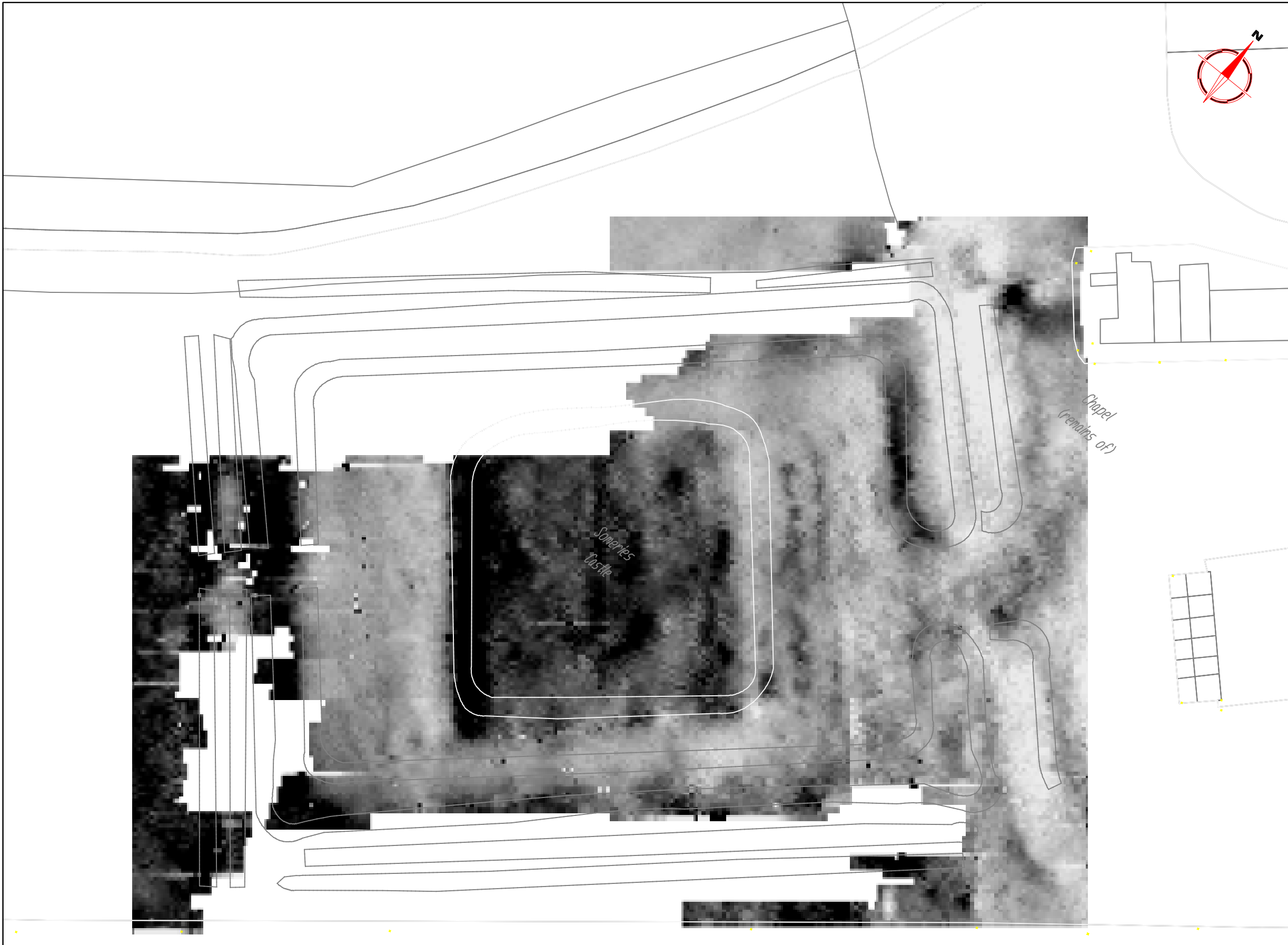
Project Title                      Job No.    2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**PLOT OF RAW RESISTANCE  
DATA- 0.5m x 0.5m SURVEY**

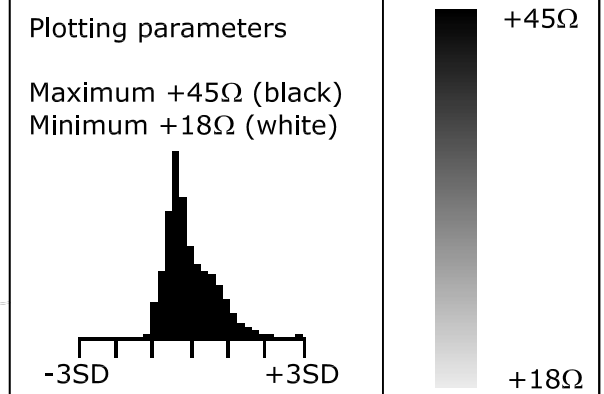
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Scale    1:500    0m    5    10    15    20    25m

Plot <b>A3</b>	Checked by <b>PPB</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>10</b>



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



Client  
**TERENCE O'ROURKE**

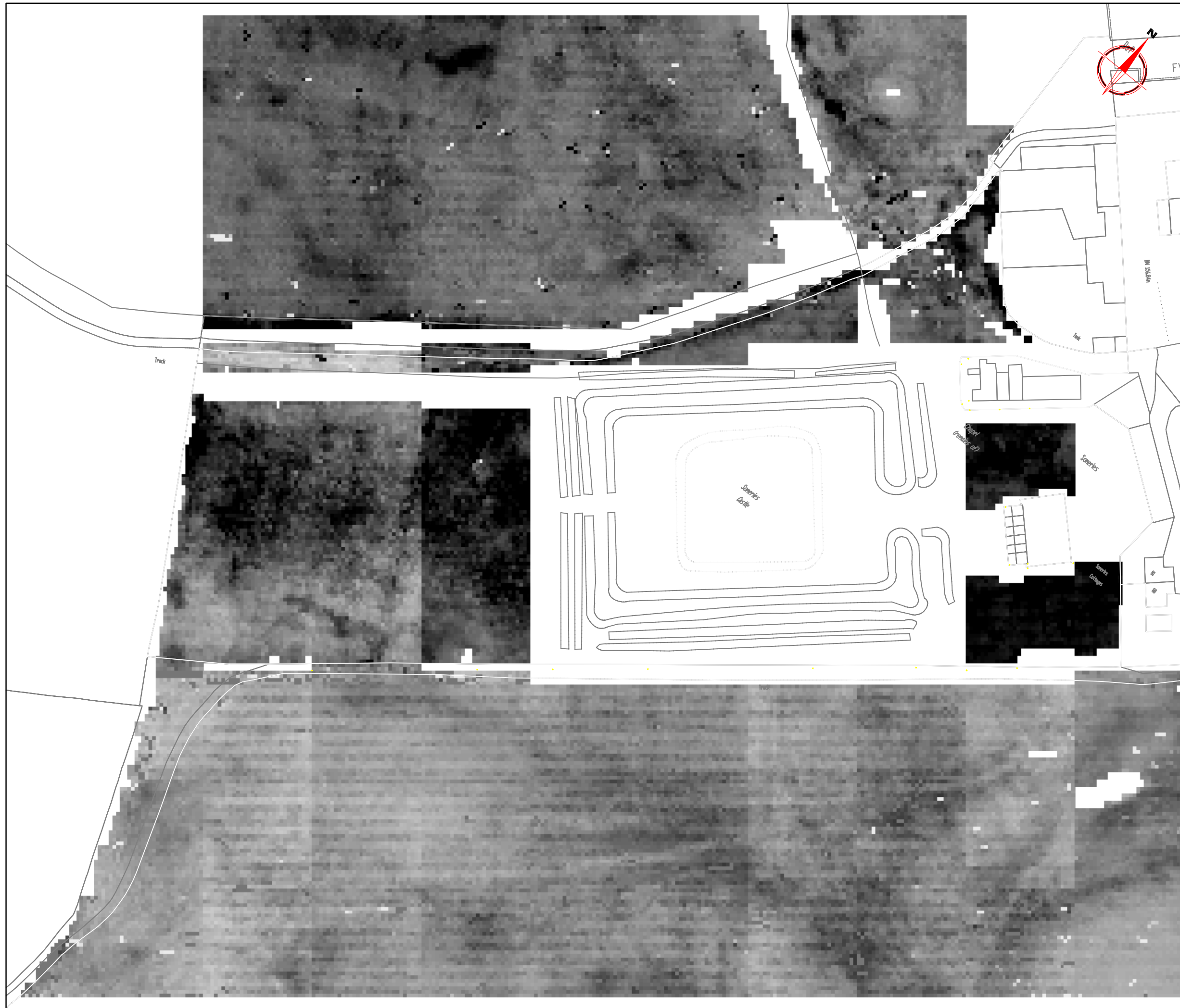
Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**PLOT OF PROCESSED  
RESISTANCE DATA- 0.5m x  
0.5m SURVEY**

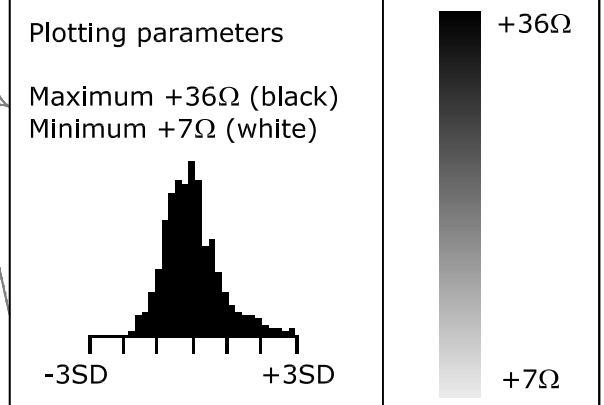
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Scale **1:500**  
0m 5 10 15 20 25m

Plot <b>A3</b>	Checked by <b>PPB</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>11</b>



Amendments		
Issue No.	Date	Description
-	-	-



Client  
**TERENCE O'ROURKE**

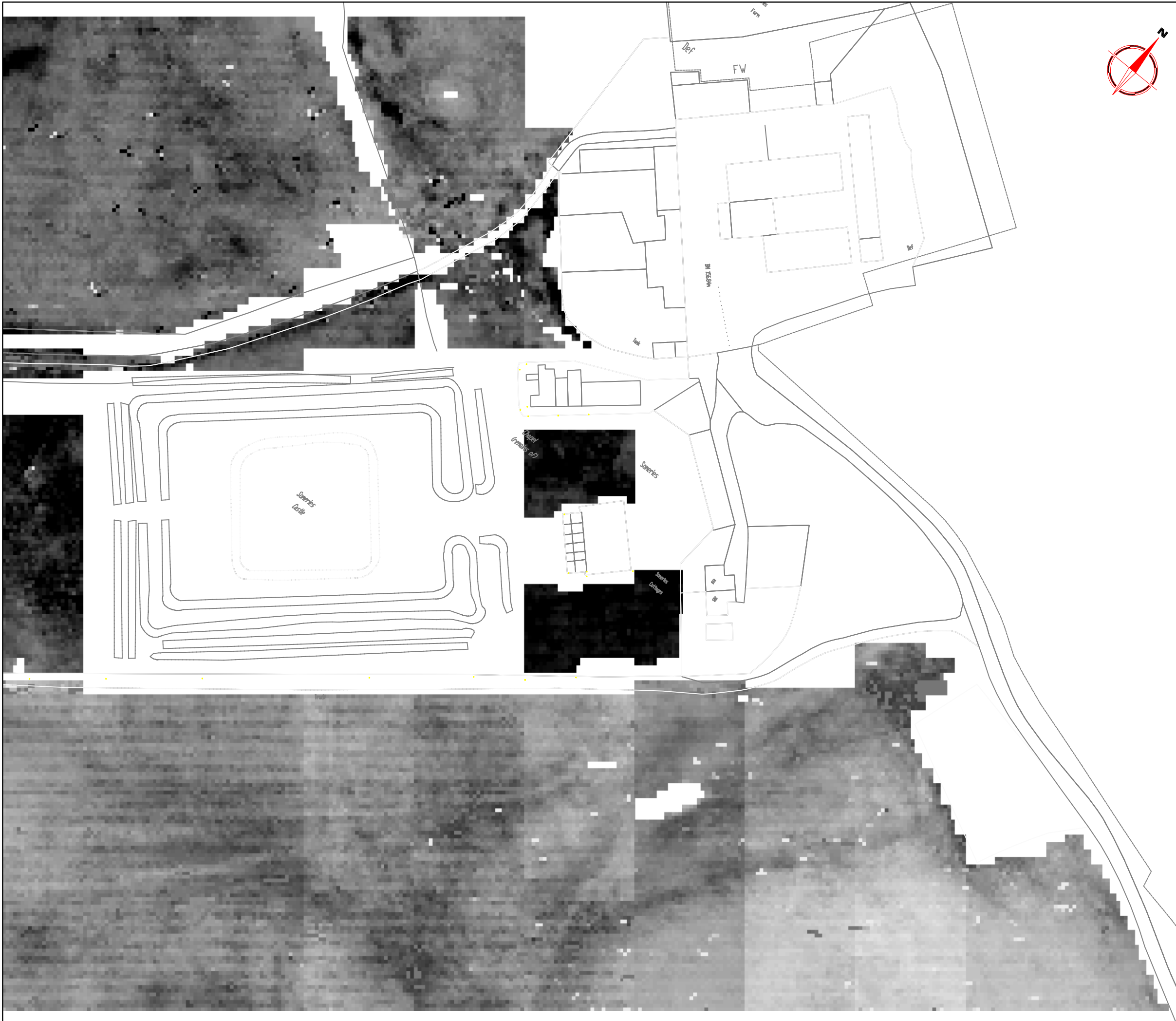
Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**PLOT OF RAW RESISTIVITY  
DATA- 1.0m x 1.0m SURVEY**

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Scale **1:1000**  
0m 10 20 30 40 50

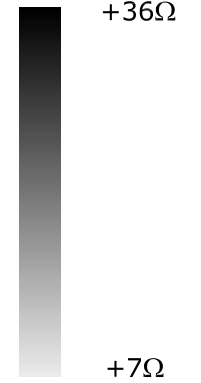
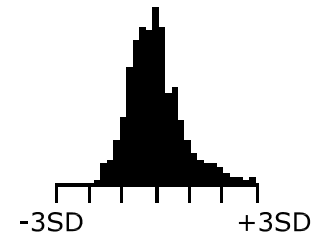
Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>12</b>



Amendments		
Issue No.	Date	Description
-	-	-

Plotting parameters

Maximum +36Ω (black)  
Minimum +7Ω (white)



Client  
**TERENCE O'ROURKE**

Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**PLOT OF RAW RESISTIVITY  
DATA- 1.0m x 1.0m SURVEY-  
EAST**

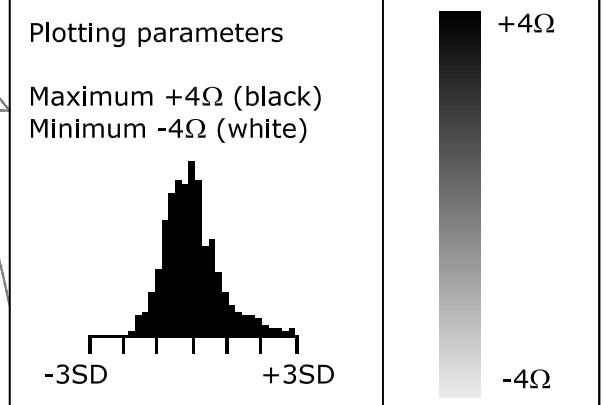
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Scale **1:1000**  
0m 10 20 30 40 50

Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>13</b>



Amendments		
Issue No.	Date	Description
-	-	-



Client  
**TERENCE O'ROURKE**

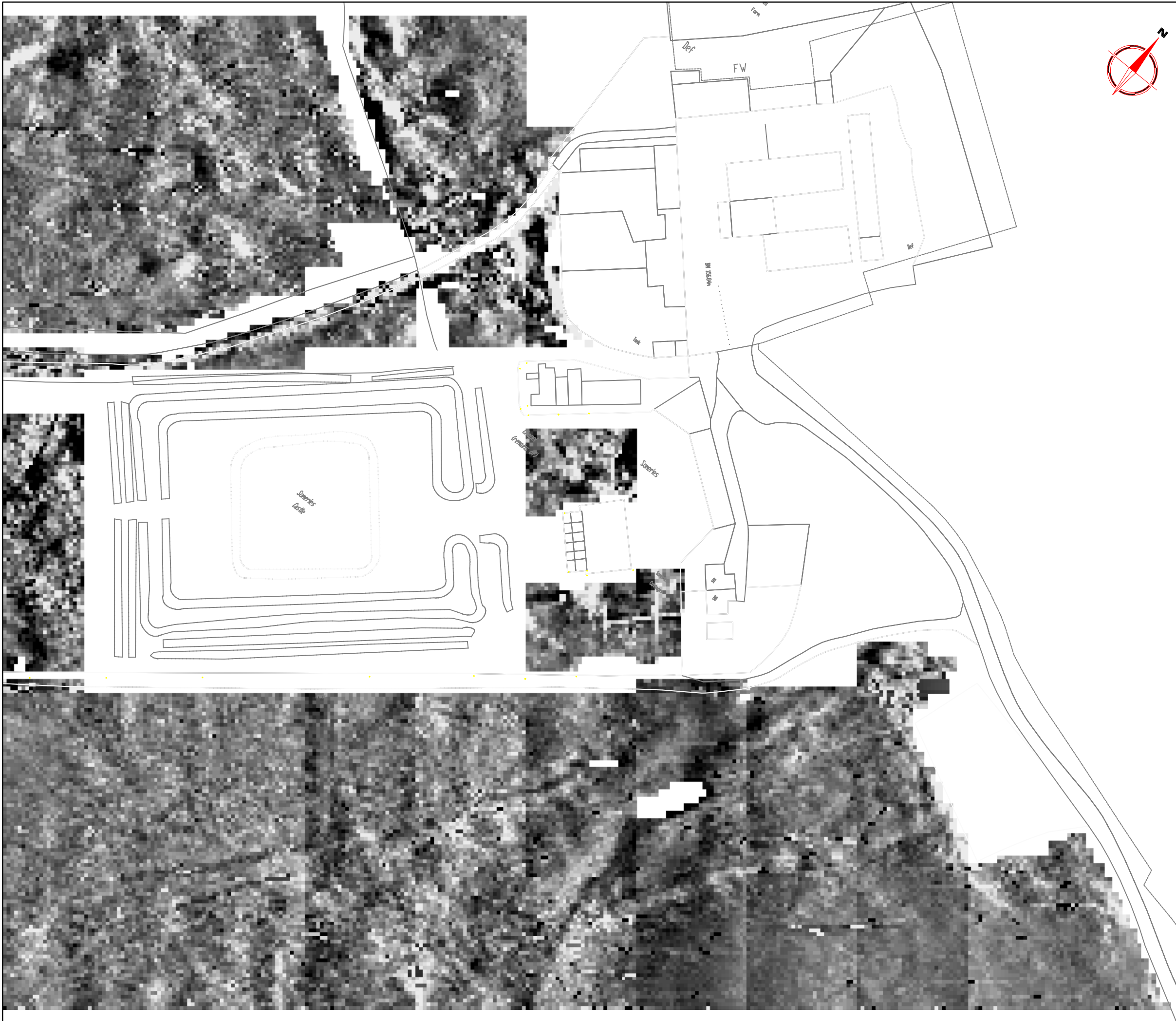
Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**PLOT OF PROCESSED  
RESISTIVITY DATA- 1.0m x  
1.0m SURVEY- WEST**

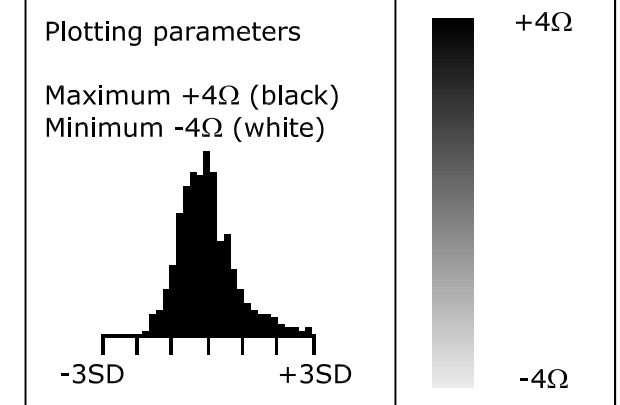
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Scale **1:1000**  
0m 10 20 30 40 50

Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>14</b>



Amendments		
Issue No.	Date	Description
-	-	-



Client  
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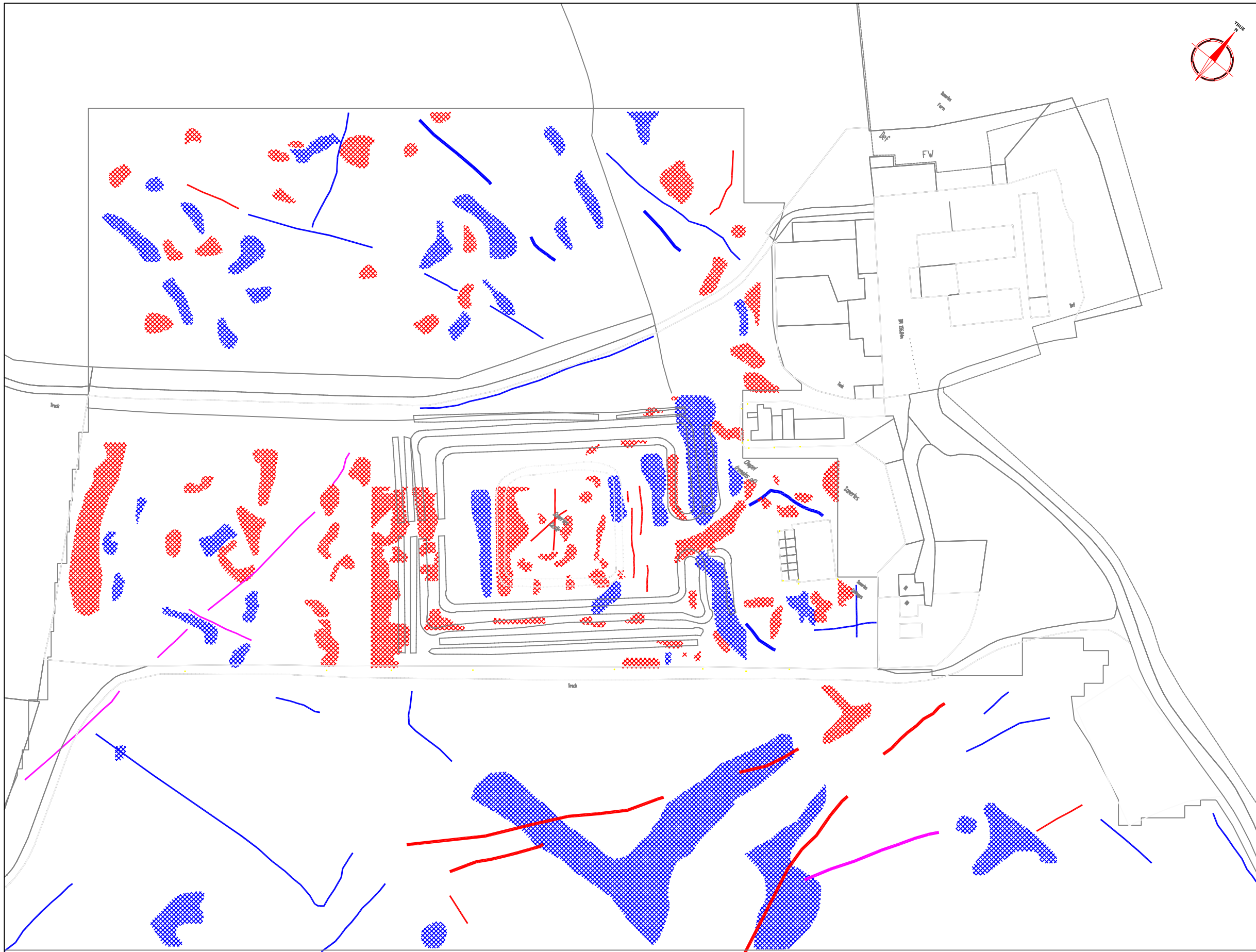
Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**PLOT OF PROCESSED  
RESISTIVITY DATA- 1.0m x  
1.0m SURVEY- EAST**

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www.stratascan.co.uk

Scale 0m 10 20 30 40 50  
**1:1000**

Plot <b>A3</b>	Checked by <b>SAS</b>	Issue No. <b>01</b>
Survey date <b>APR 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>15</b>



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

- High resistance linear anomaly- possible structural remains
- Low resistance linear anomaly- possible ditch
- High resistance area anomaly- possible structural remains or compacted earth
- Low resistance area anomaly - possible archaeological origin
- Linear resistance anomaly- modern service

Client  
**TERENCE O'ROURKE**

Project Title Job No. 2126  
**GEOPHYSICAL SURVEY-  
LUTON AIRPORT- SOMERIES CASTLE**

Subject  
**ABSTRACTION AND INTERPRETATION  
OF RESISTIVITY ANOMALIES**

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VINEYARD HOUSE  
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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 **1:1250**

Plot <b>A3</b>	Checked by <b>PPB</b>	Issue No. <b>01</b>
Survey date <b>APRIL 06</b>	Drawn by <b>RAJS</b>	Figure No. <b>16</b>