

# Norfolk Boreas Offshore Wind Farm

# Appendix 28.2

## Priority Archaeological Geophysical Survey Report (Part 3)

*As produced for Norfolk Vanguard*

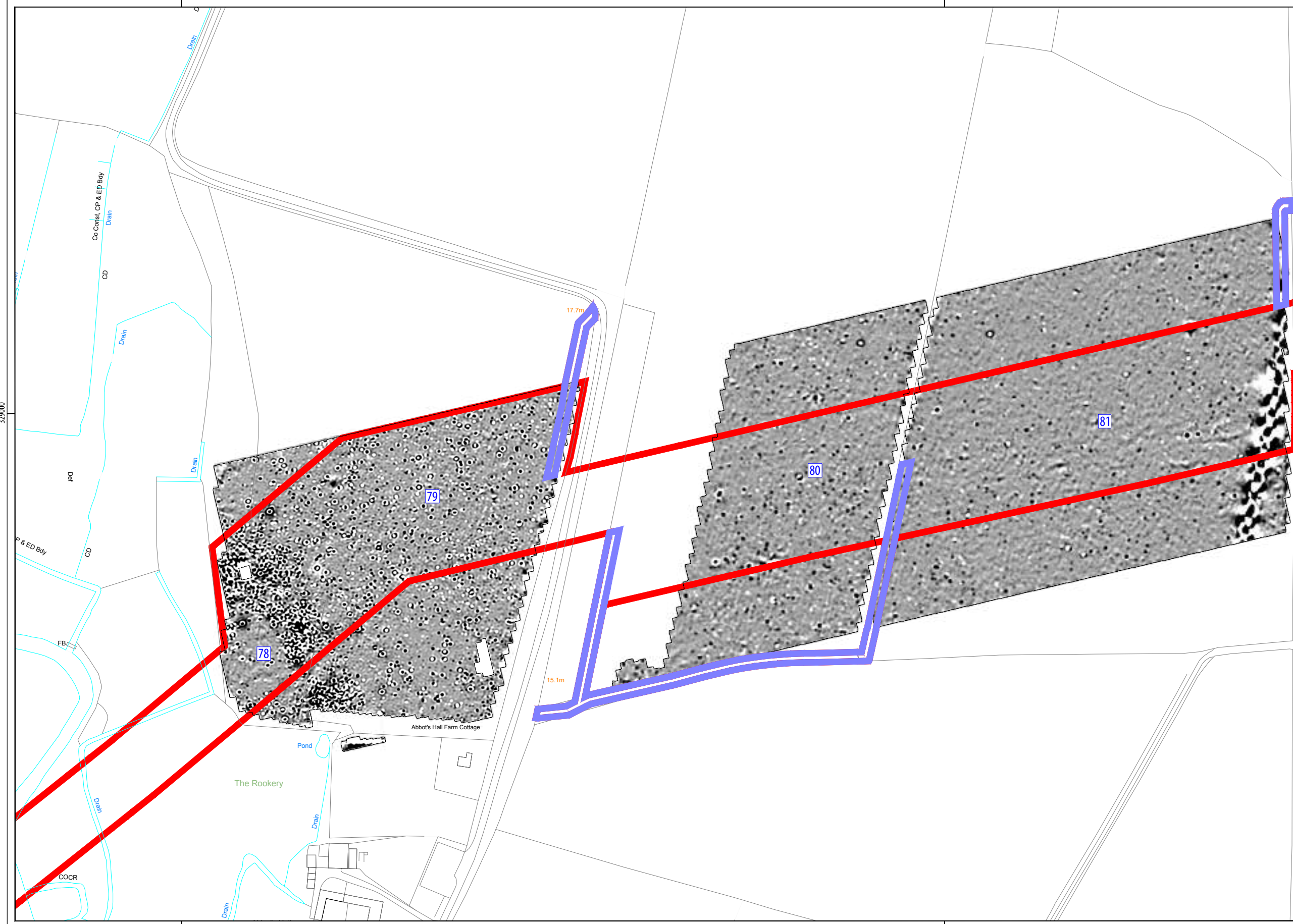
## Environmental Statement

## Volume 3

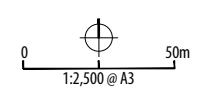
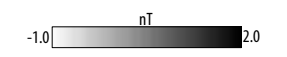
Applicant: Norfolk Boreas Limited  
Document Reference: 6.3.28.2  
RHDHV Reference: PB5640-006-2802  
Pursuant to APFP Regulation: 5(2)(a)

Date: June 2019  
Revision: Version 1  
Author: Royal HaskoningDHV

*Photo: Ormonde Offshore Wind Farm*



norfolk vanguard red line boundary  
access route



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Survey  
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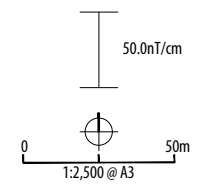
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norfolk vanguard red line boundary  
access route



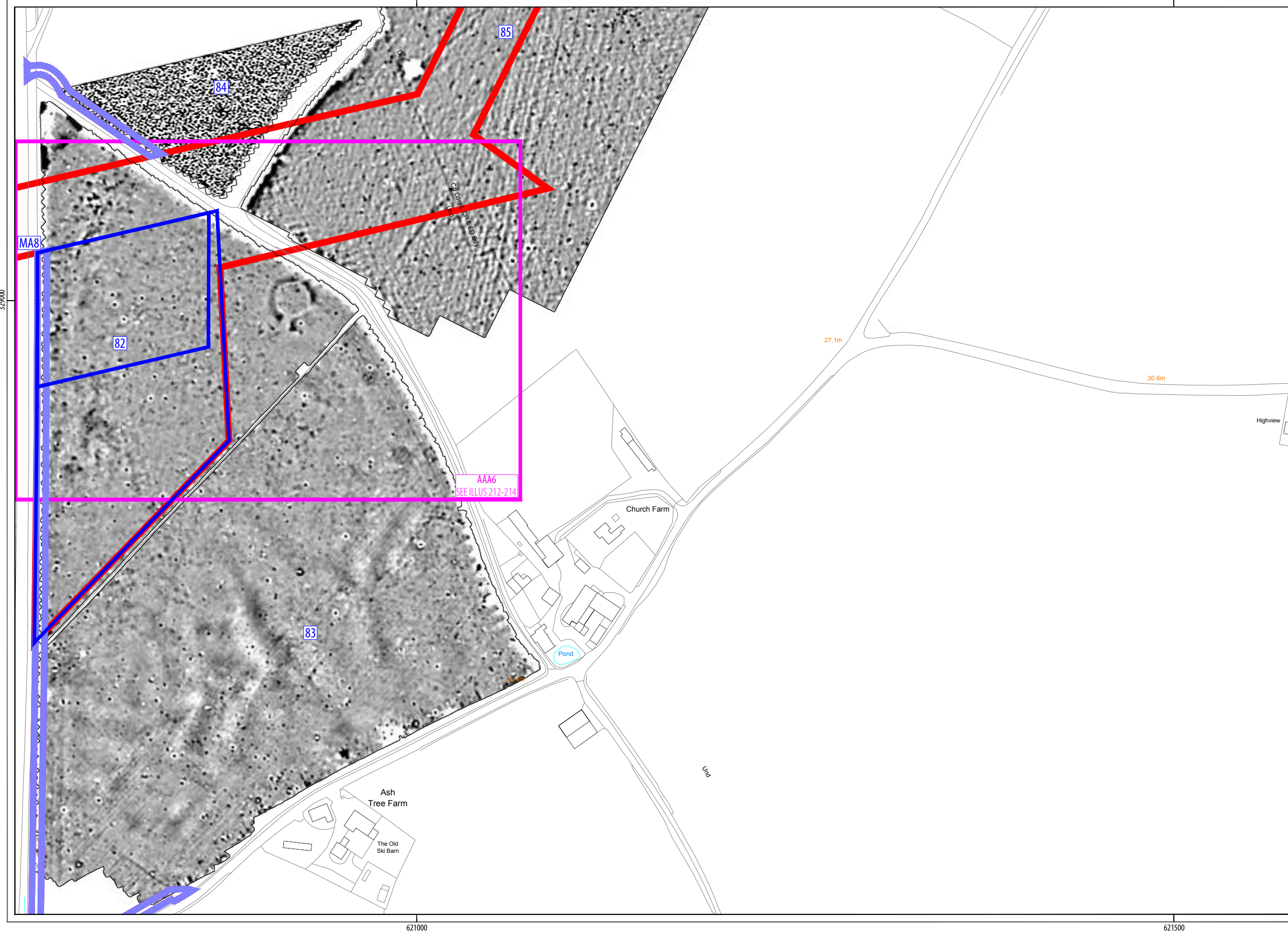
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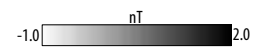


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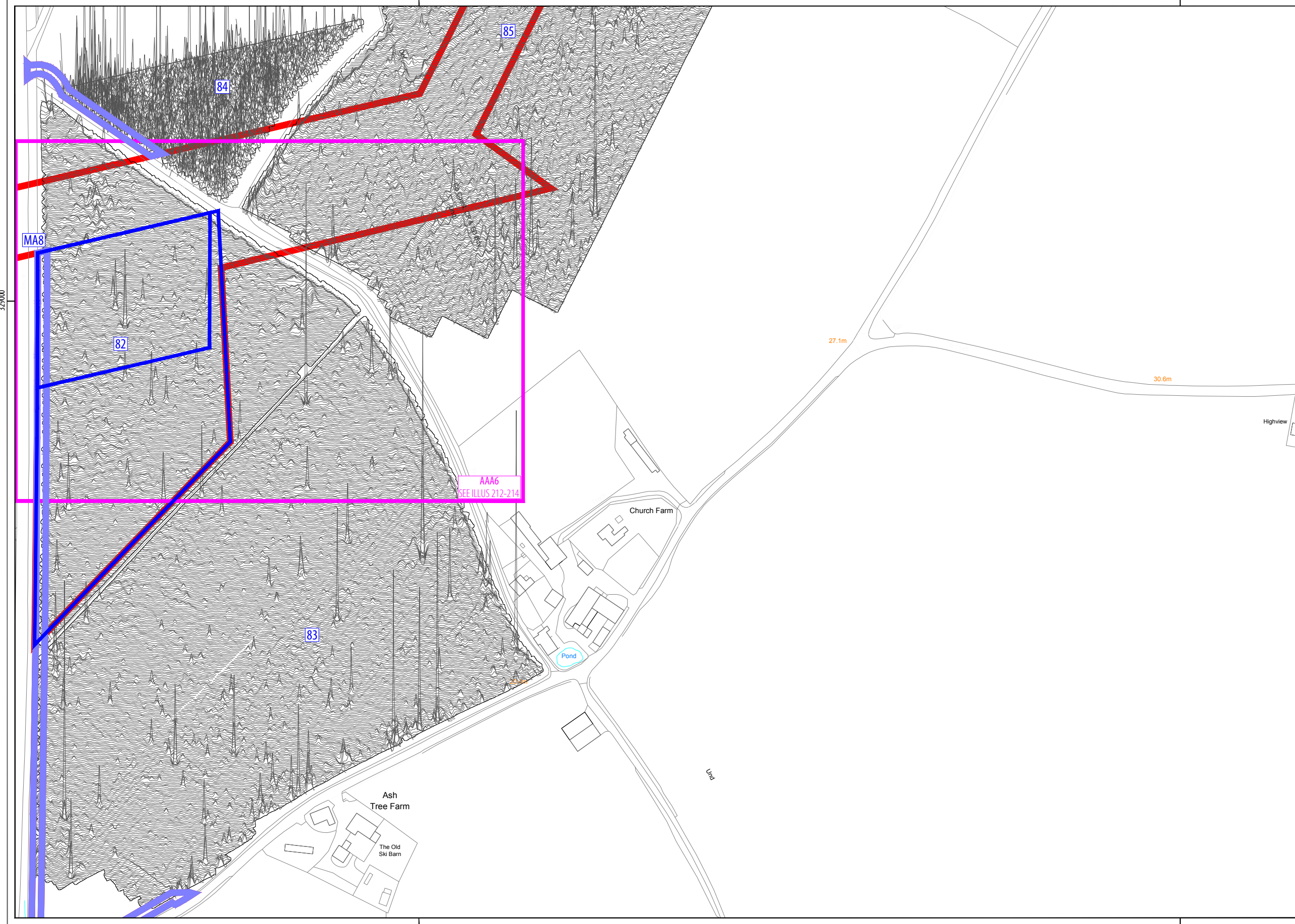
- norfolk vanguard red line boundary
- mobilisation area
- access route



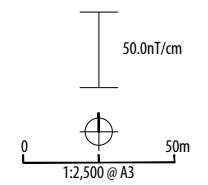
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- norfolk vanguard red line boundary
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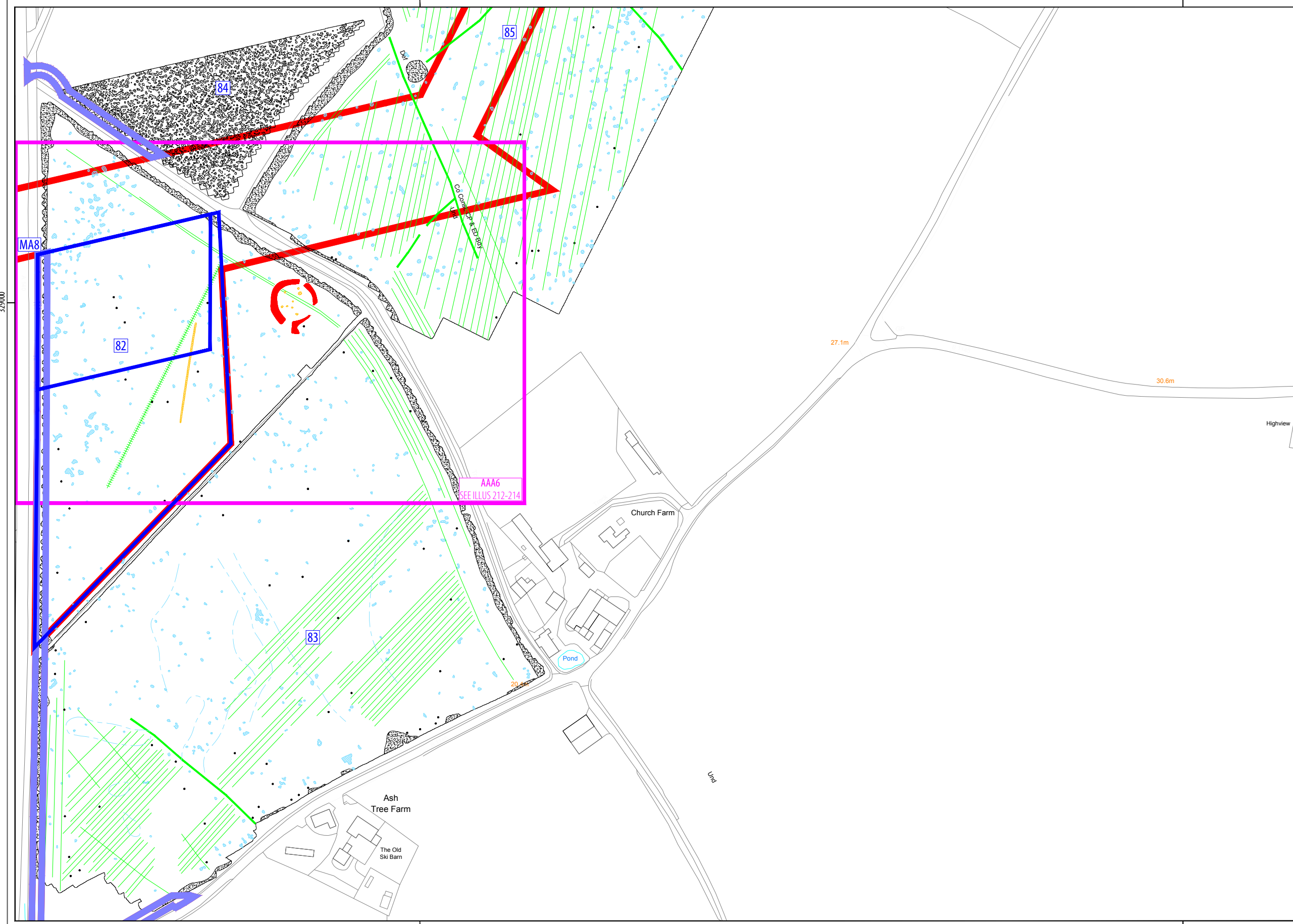


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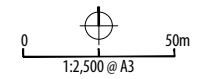
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TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	linear trend	drain
—	linear trend	agricultural
—	linear	former field boundary
—	linear trend	geology
⊕	magnetic enhancement	geology
⊗	magnetic enhancement	archaeology?
●	magnetic enhancement	archaeology



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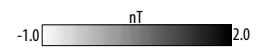
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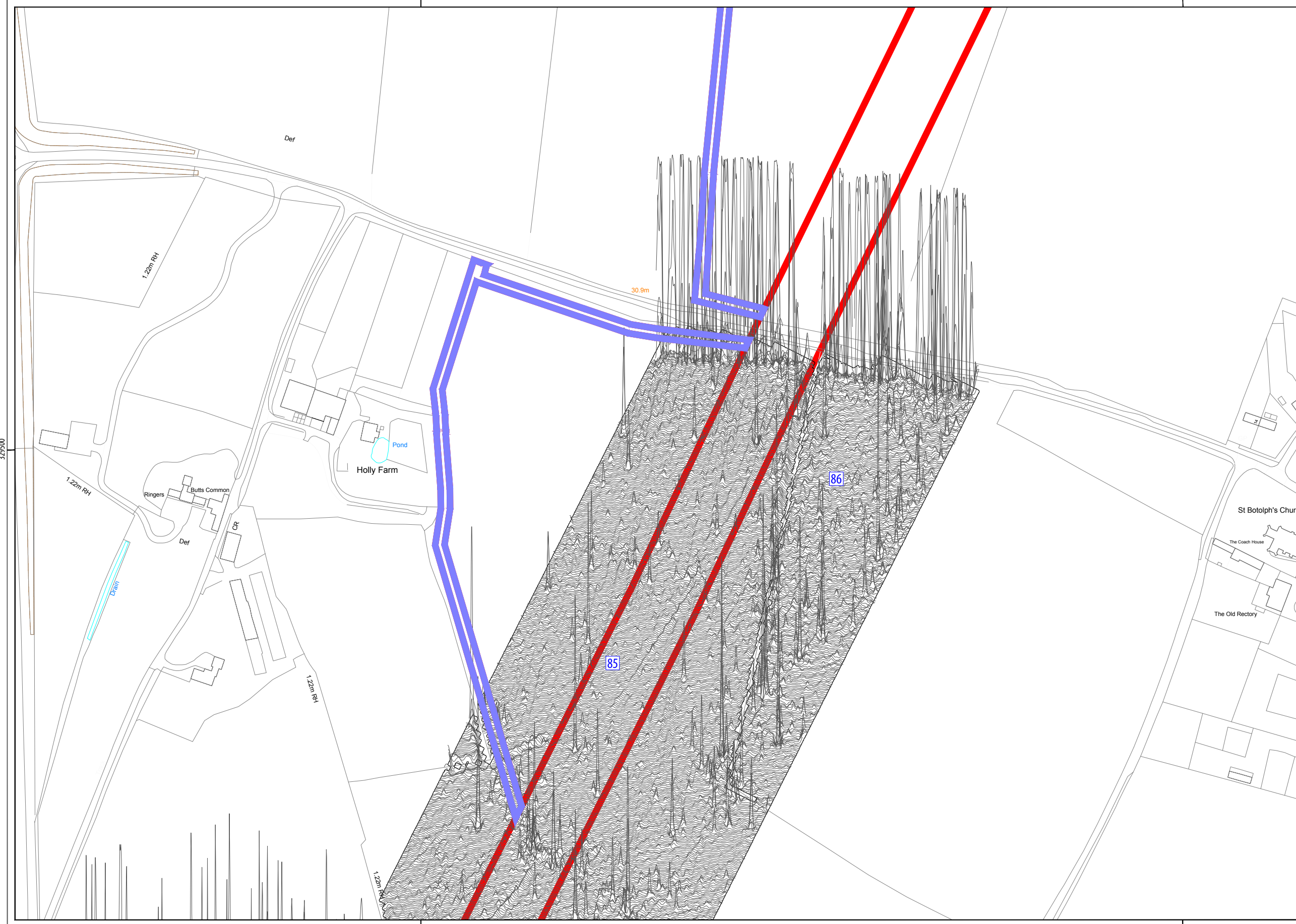
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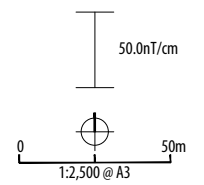


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norfolk vanguard red line boundary  
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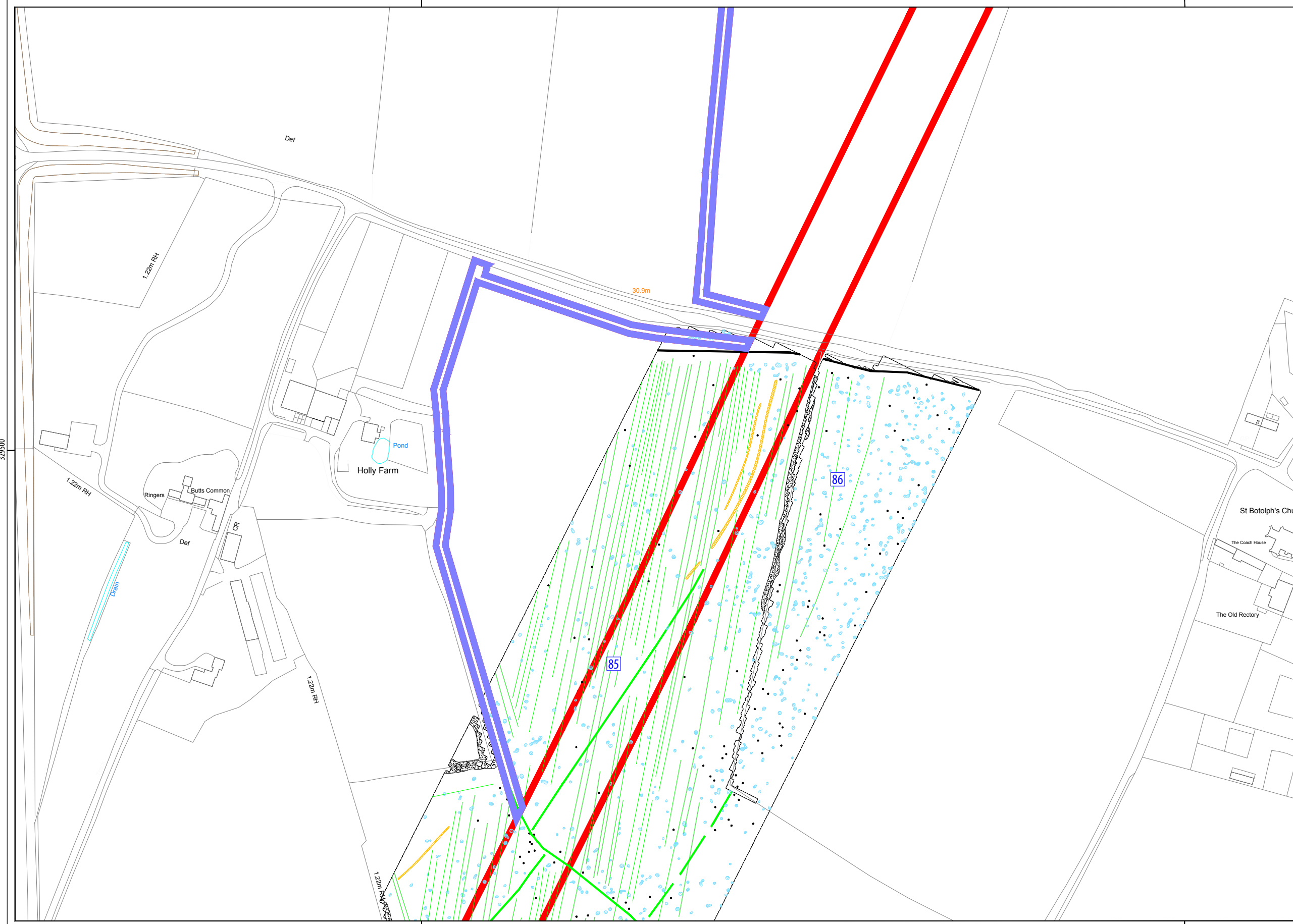


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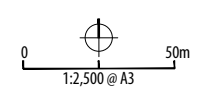
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● magnetic disturbance	ferrous material
— linear trend	agricultural
— linear	former field boundary?
— linear	former field boundary?
⊕ magnetic enhancement	geology
⊗ magnetic enhancement	archaeology?

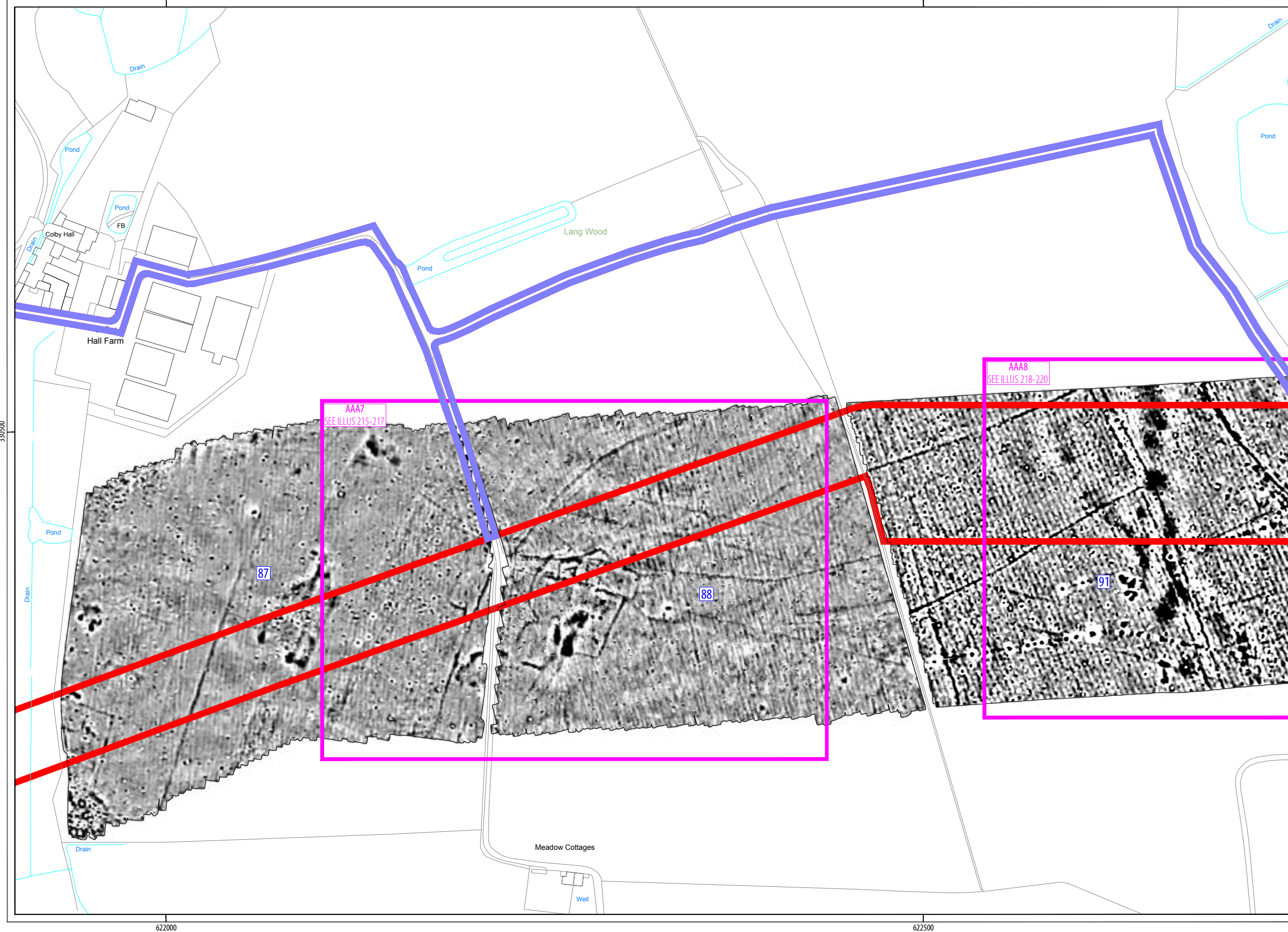


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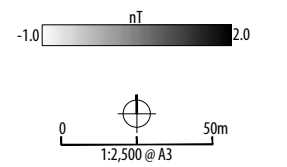
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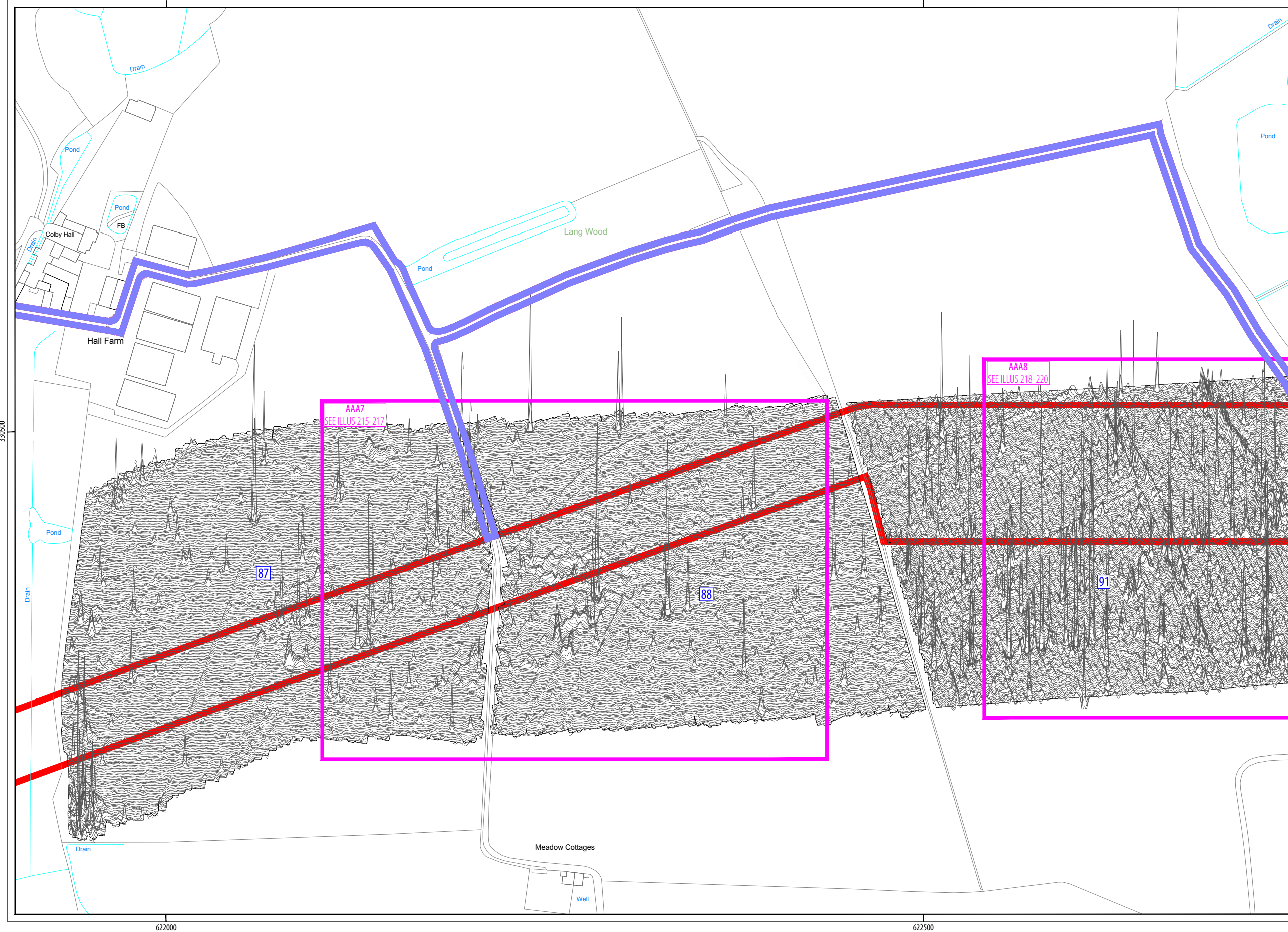
norfolk vanguard red line boundary  
access route



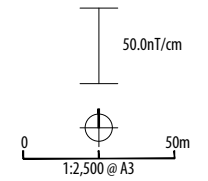
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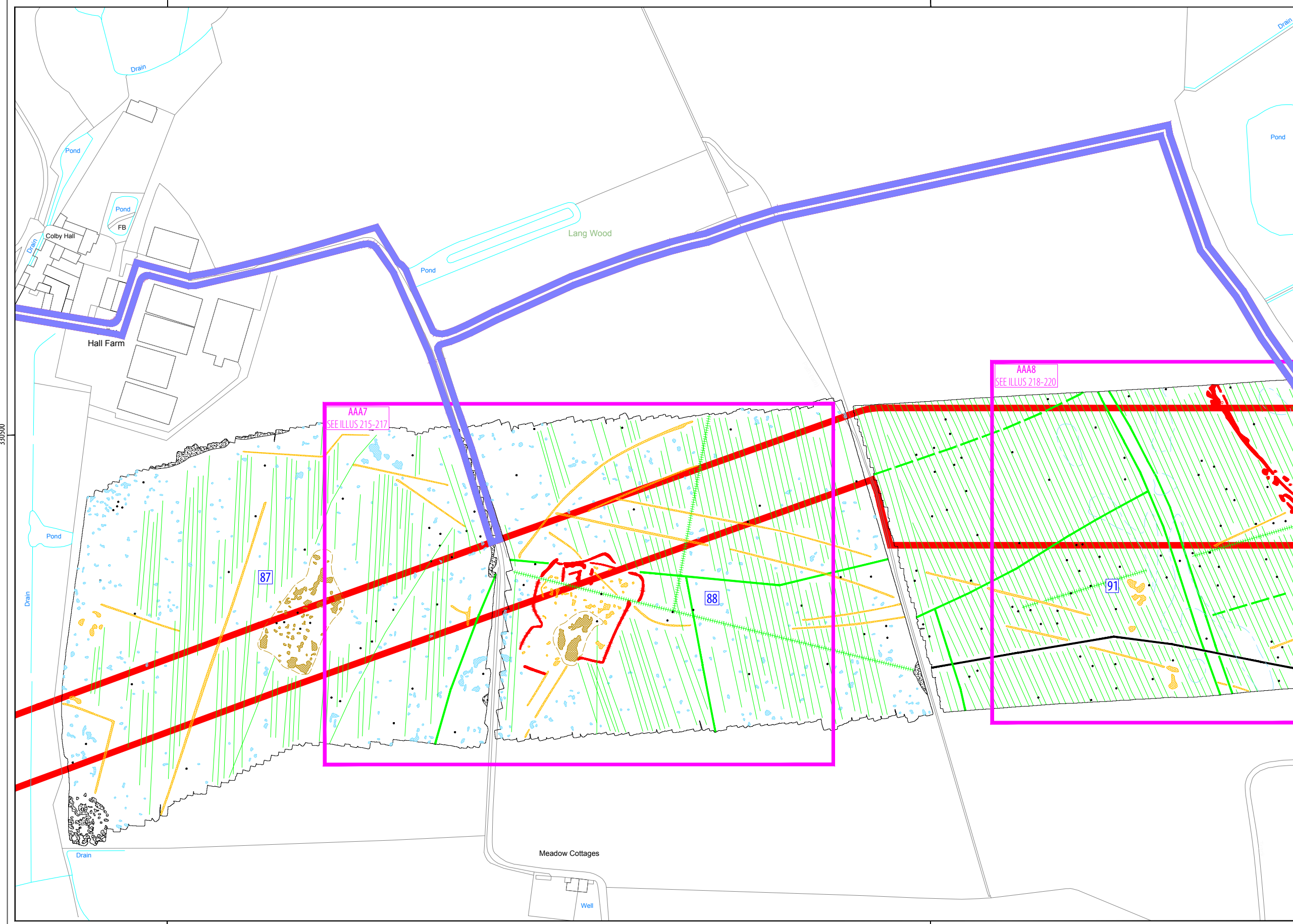
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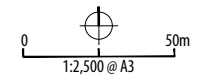
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TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— linear trend	drain
— linear trend	agricultural
— linear	former field boundary?
— linear	former field boundary
— linear trend	geology
● magnetic enhancement	geology
● magnetic enhancement	quarrying
● magnetic enhancement	archaeology?
● magnetic enhancement	archaeology

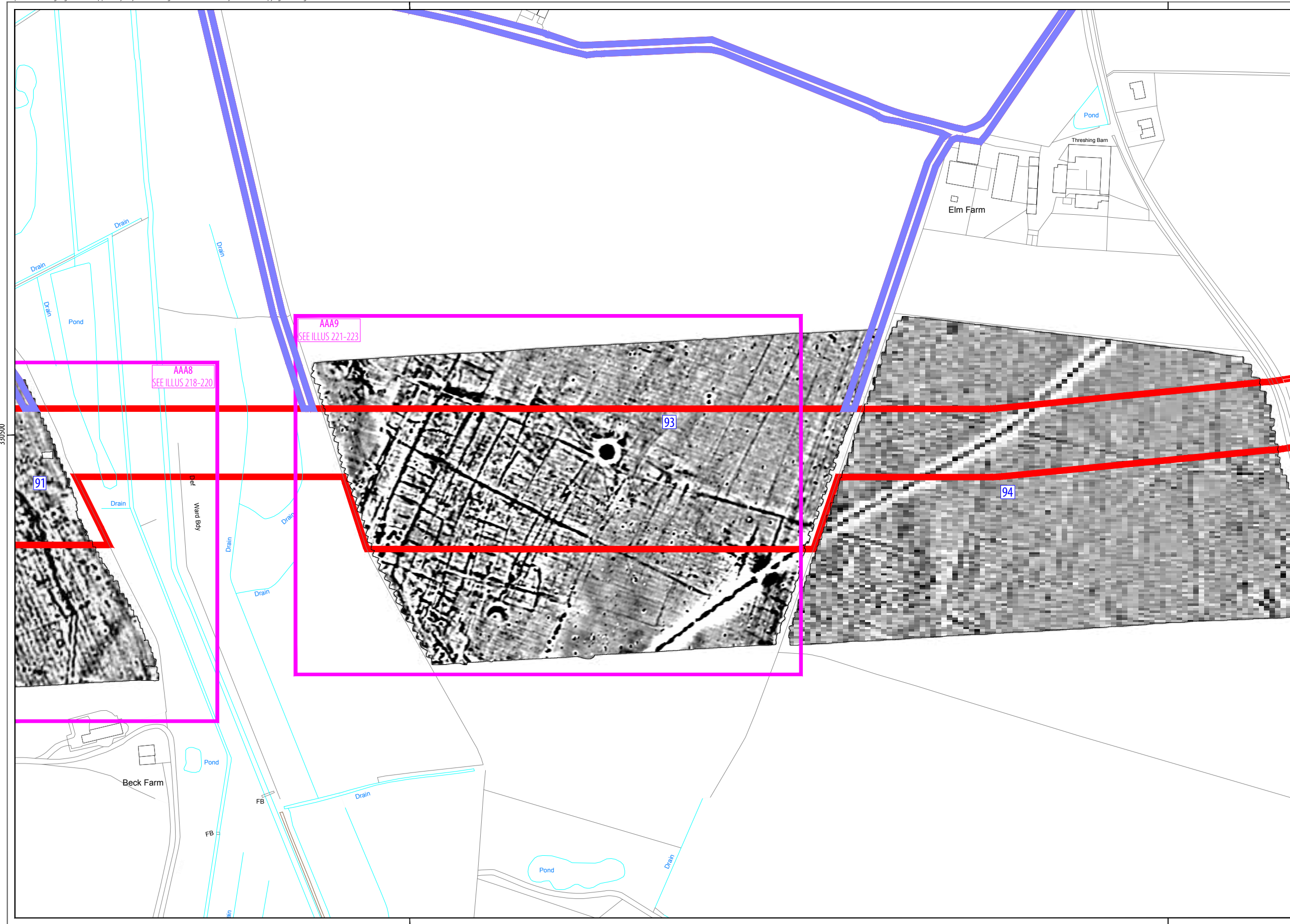


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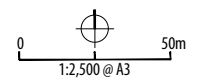
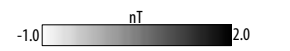


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ILLUS 130 Interpretation of magnetometer data; PAGSA 87-91



norfolk vanguard red line boundary  
access route

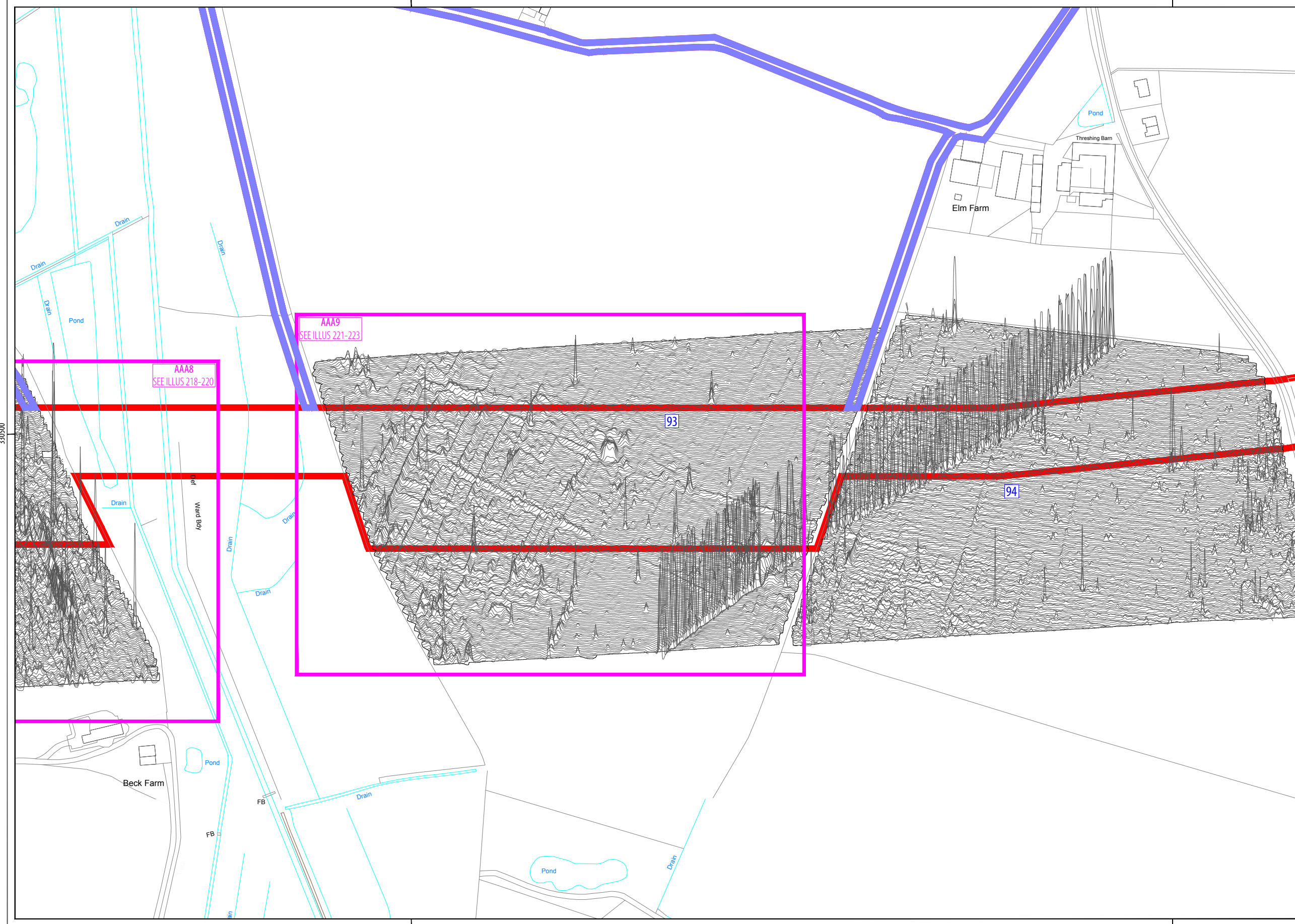


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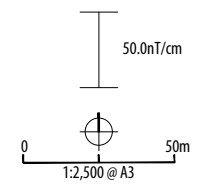
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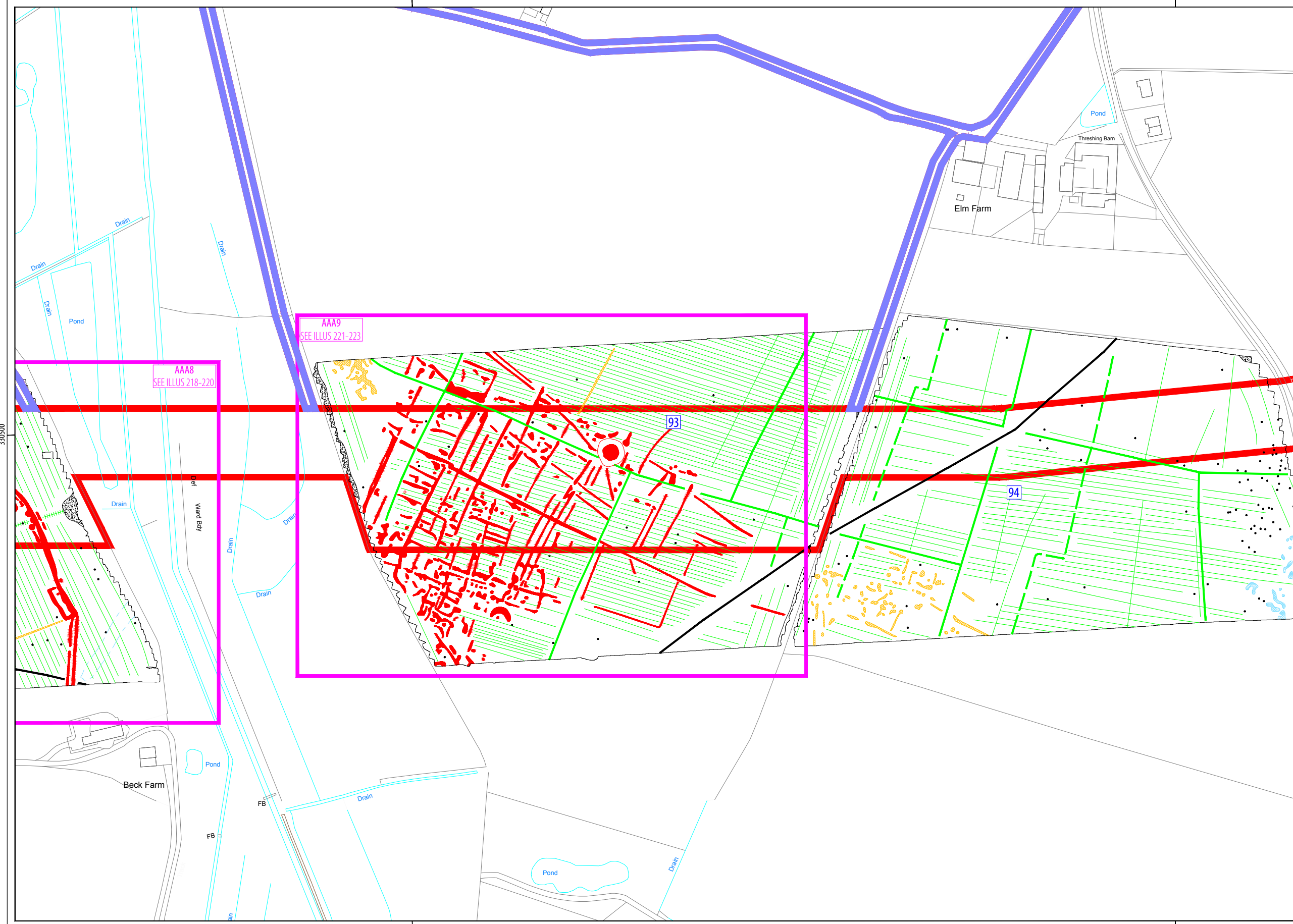


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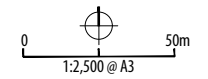
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TYPE OF ANOMALY	INTERPRETATION
— (red line)	norfolk vanguard red line boundary
— (blue line)	access route
• (black dot)	dipolar isolated ferrous material
• (grey dot)	magnetic disturbance ferrous material
— (black line)	dipolar linear service pipe
— (green dashed line)	linear trend drain
— (green solid line)	linear trend agricultural
— (green dashed line)	linear former field boundary?
— (green solid line)	linear former field boundary
• (blue circle)	magnetic enhancement geology
• (yellow circle)	magnetic enhancement archaeology?
• (red circle)	magnetic enhancement archaeology



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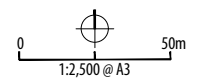
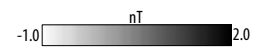


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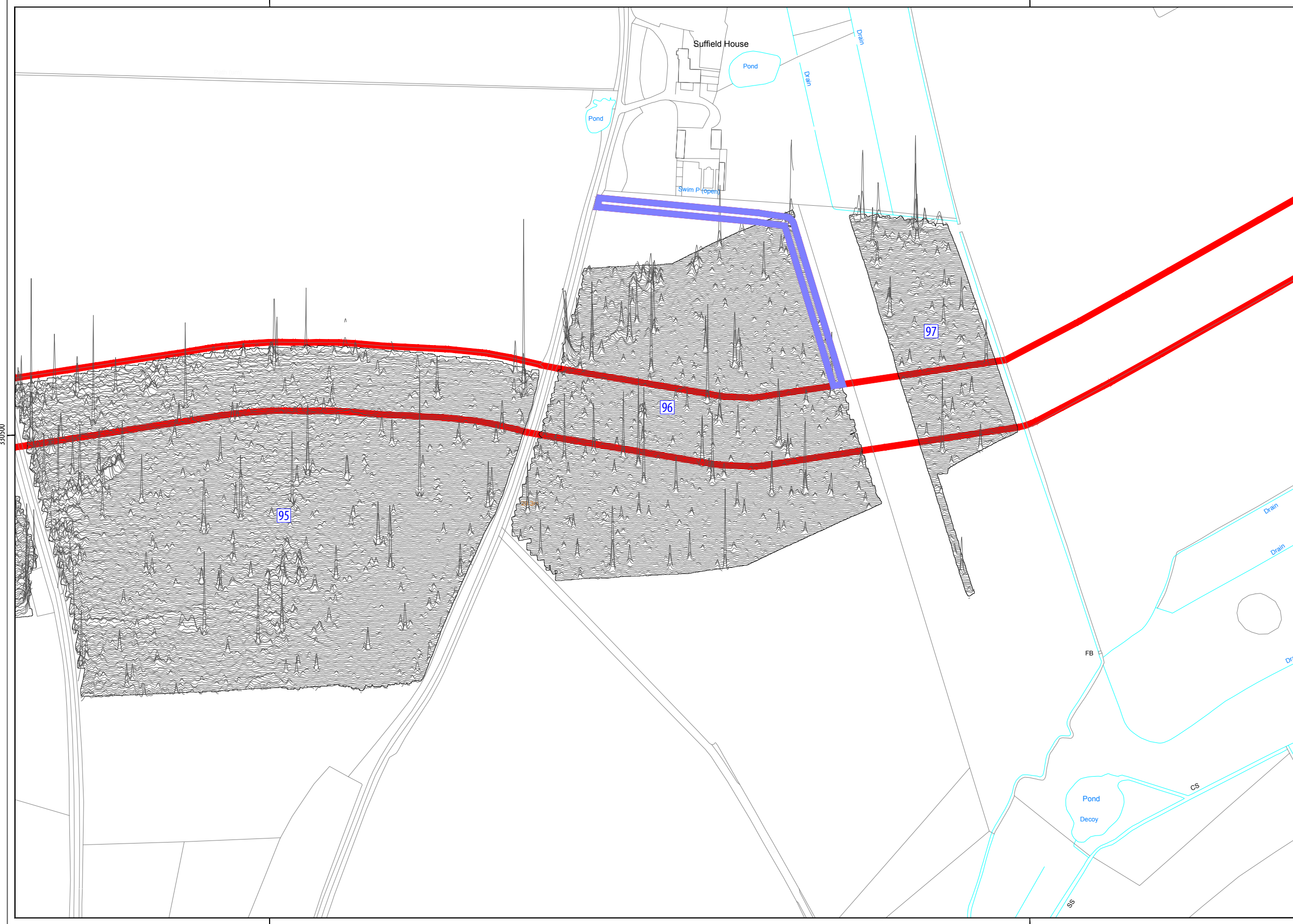


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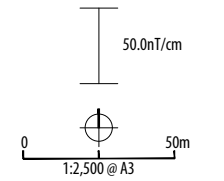
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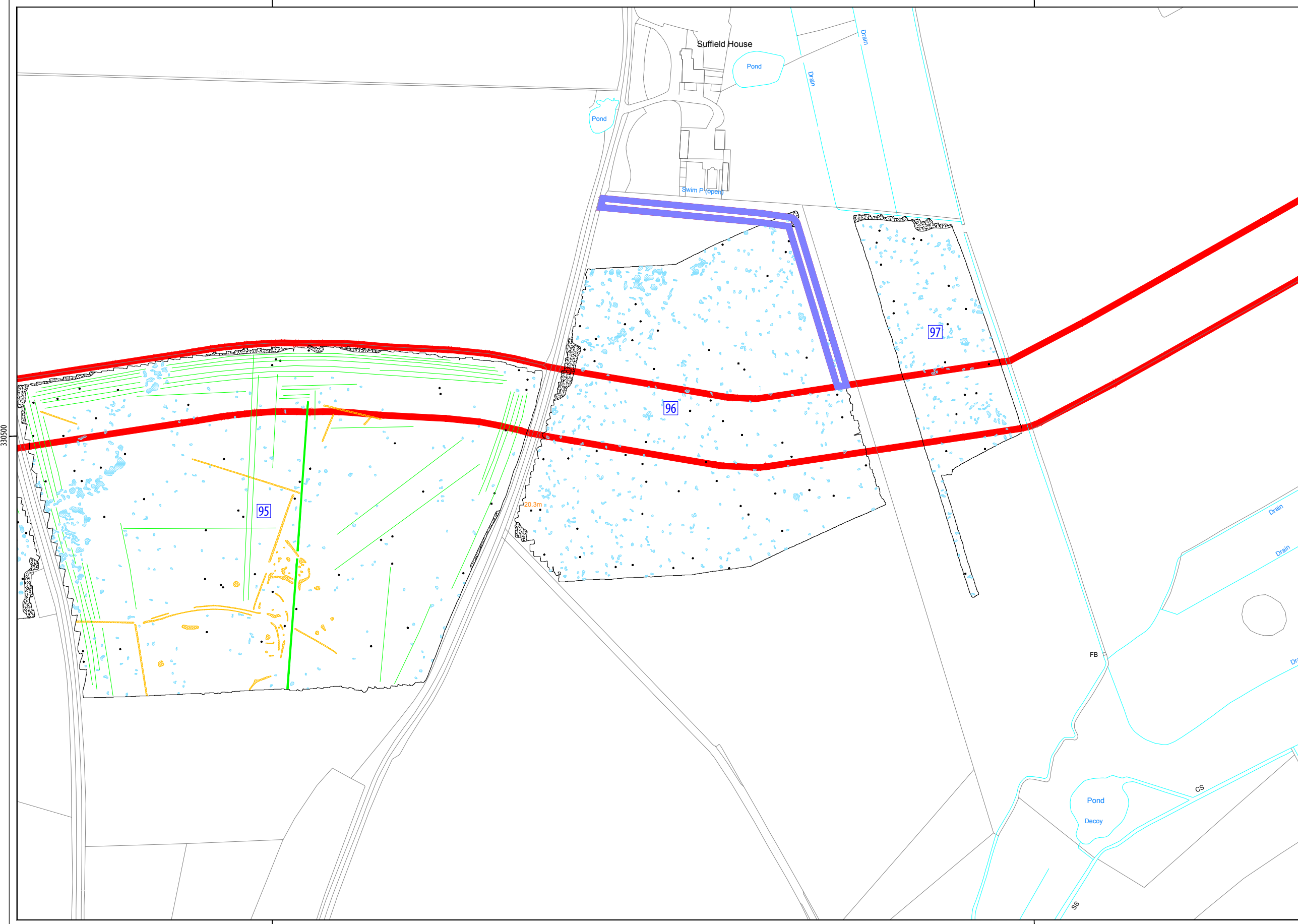


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—	linear	former field boundary
—	linear trend	geology
■	magnetic enhancement	geology
■	magnetic enhancement	archaeology?



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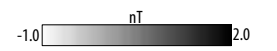
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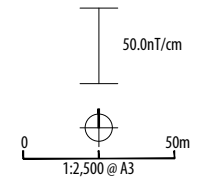
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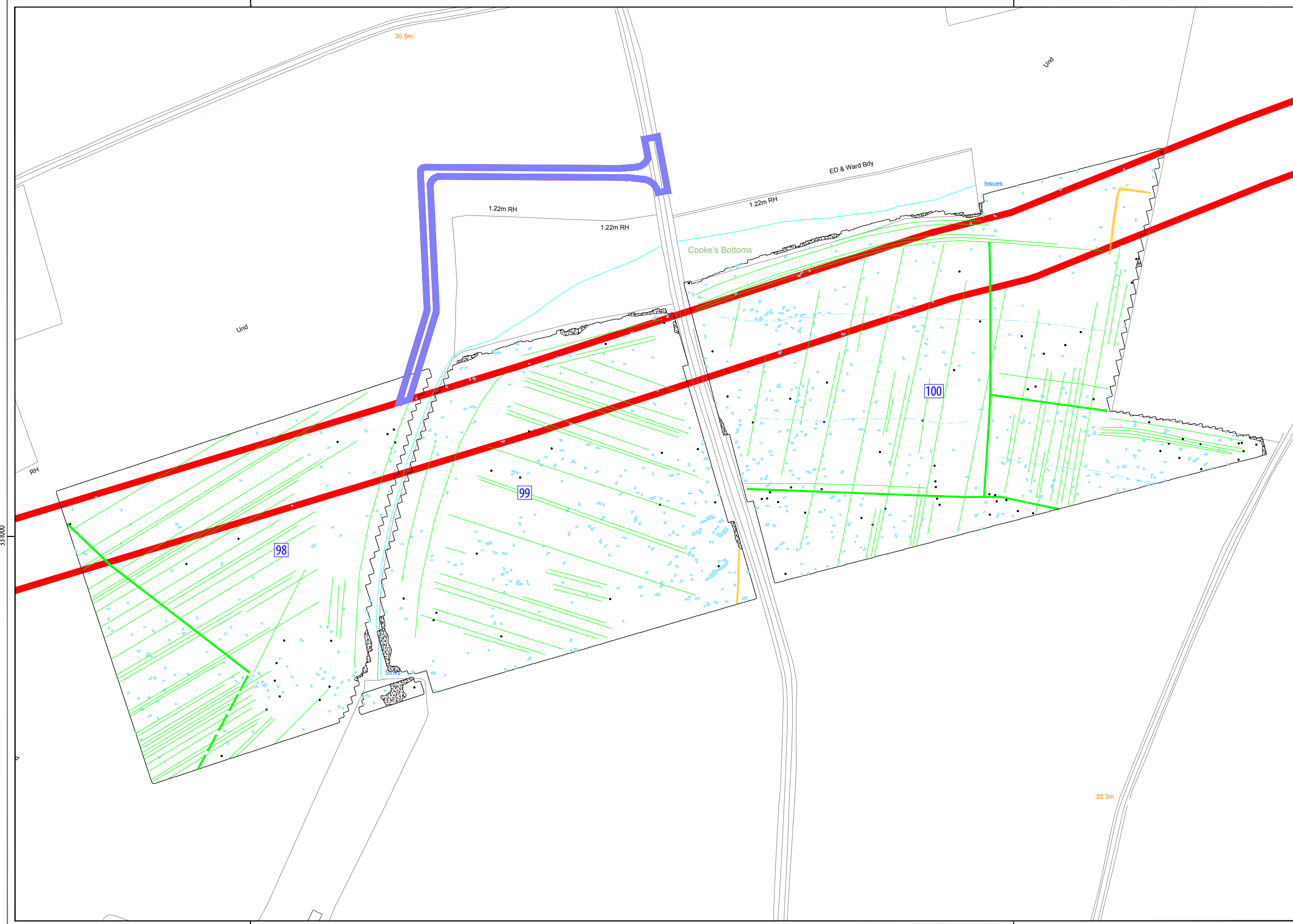


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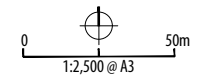
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⊕ magnetic enhancement	geology
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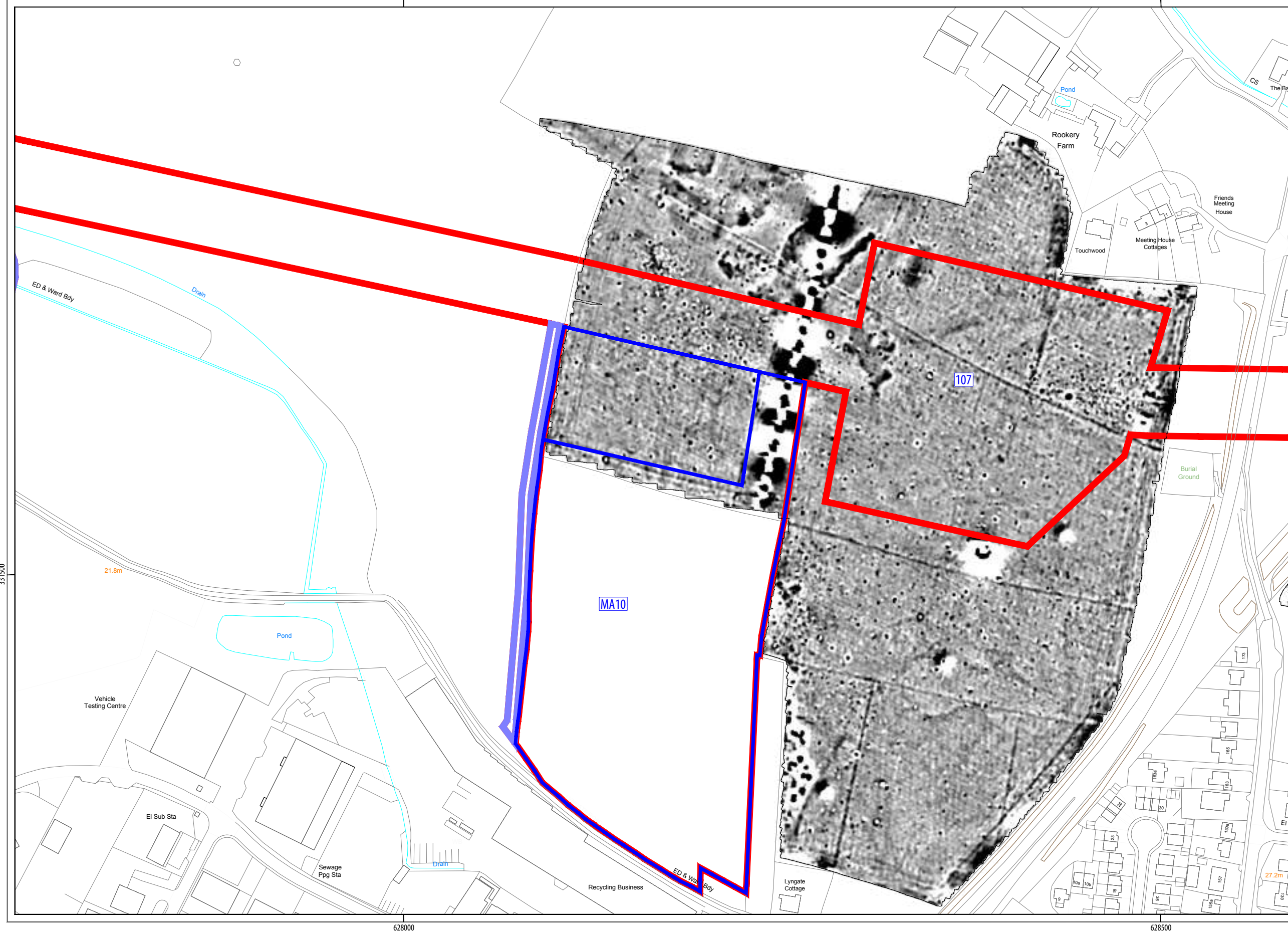


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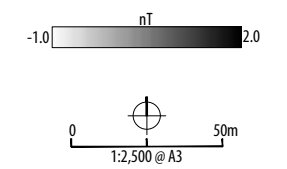
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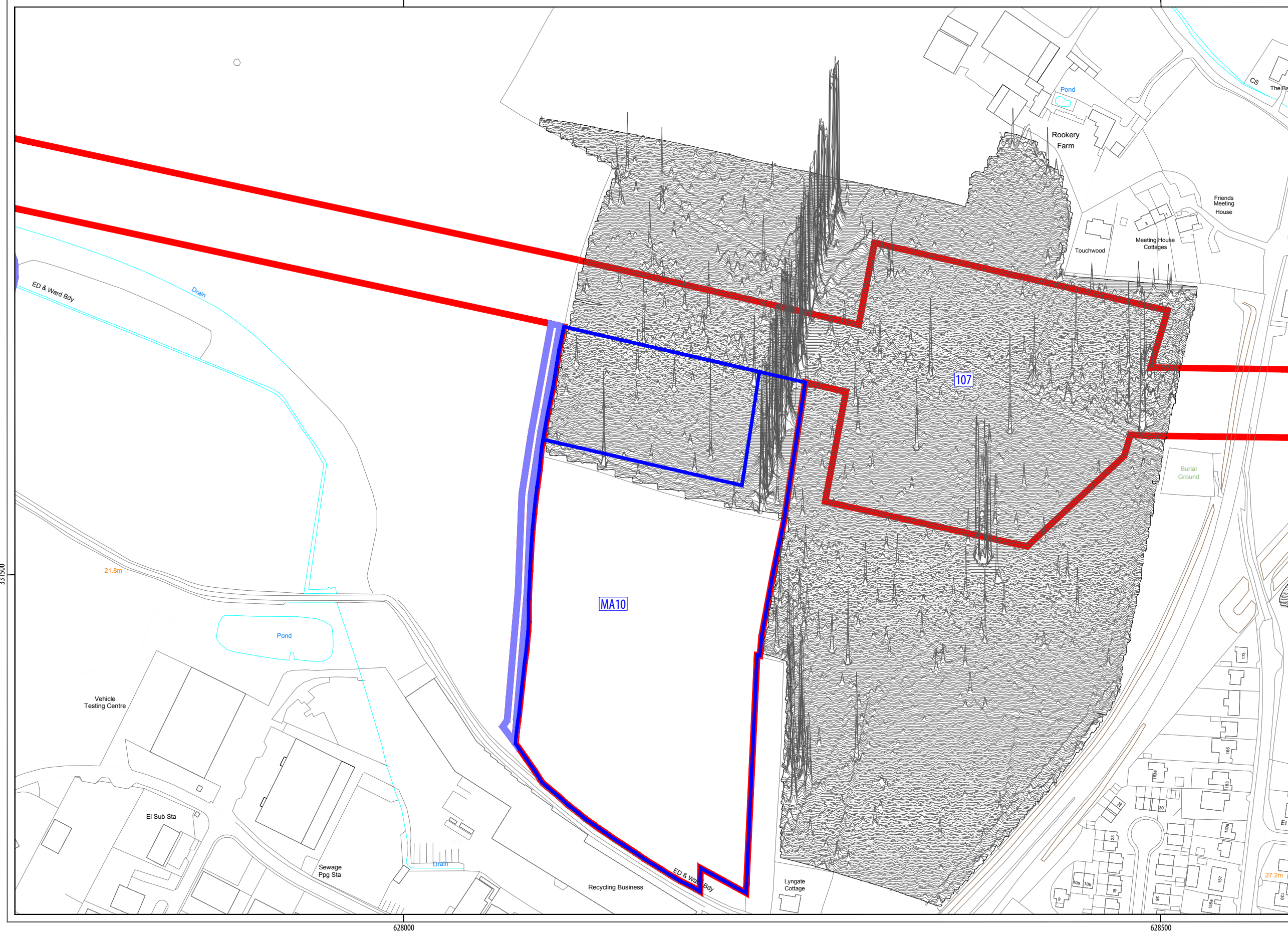


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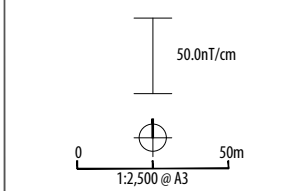
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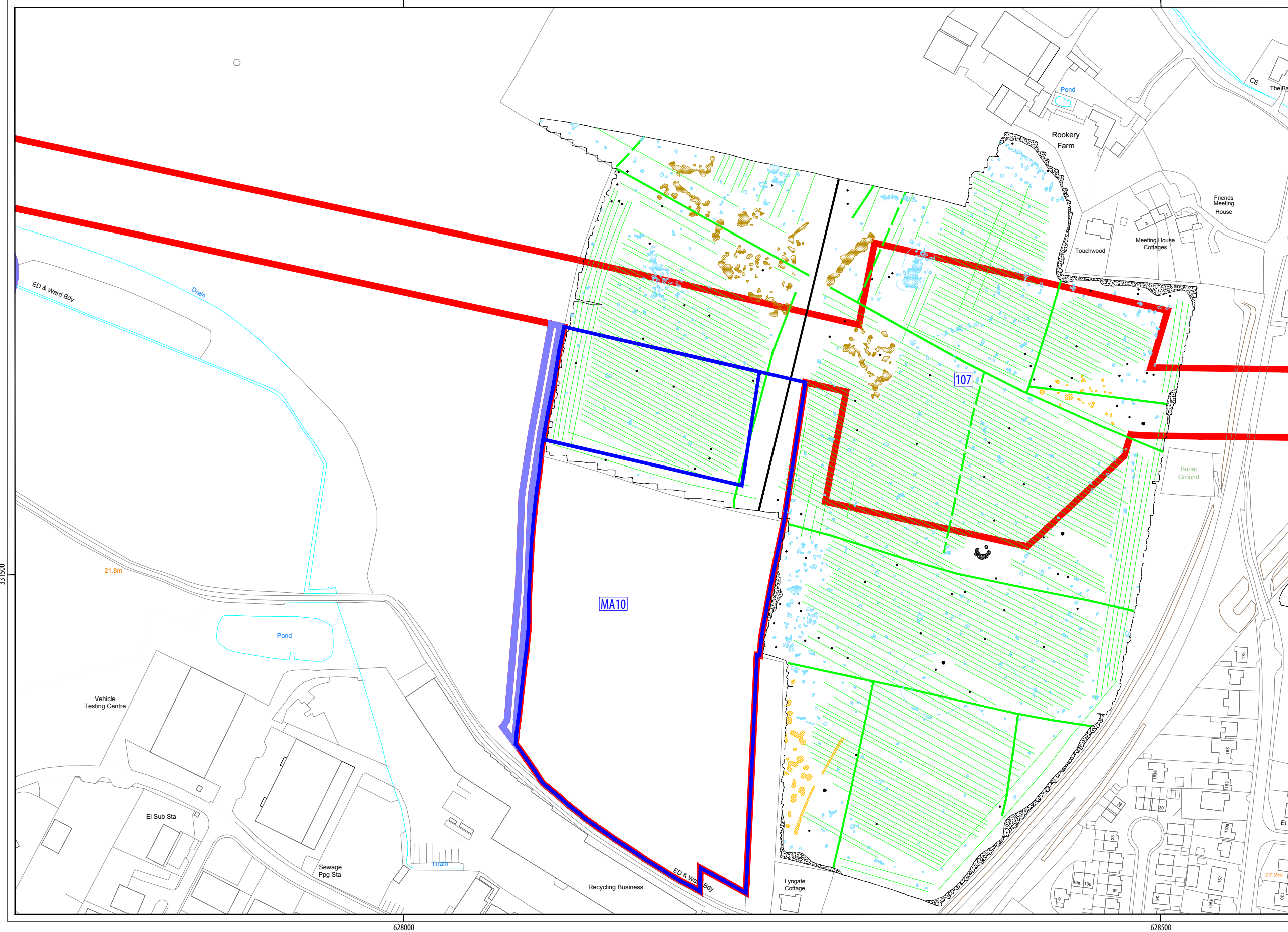
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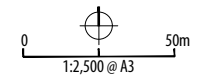


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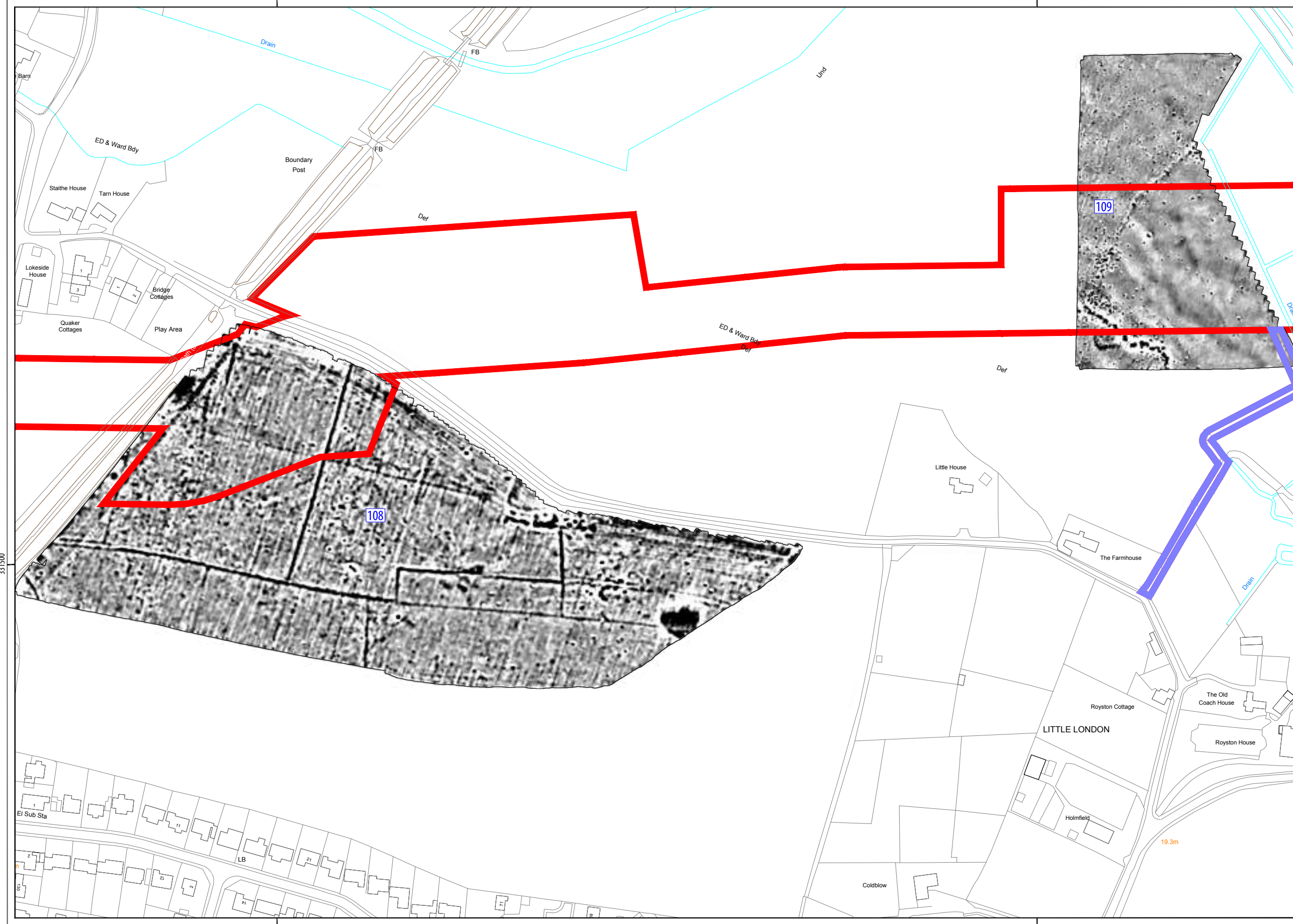
TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— linear trend	agricultural
— linear	former field boundary?
— linear	former field boundary
— linear trend	geology
● magnetic enhancement	geology
● magnetic enhancement	quarrying
● magnetic enhancement	archaeology?



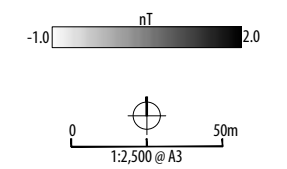
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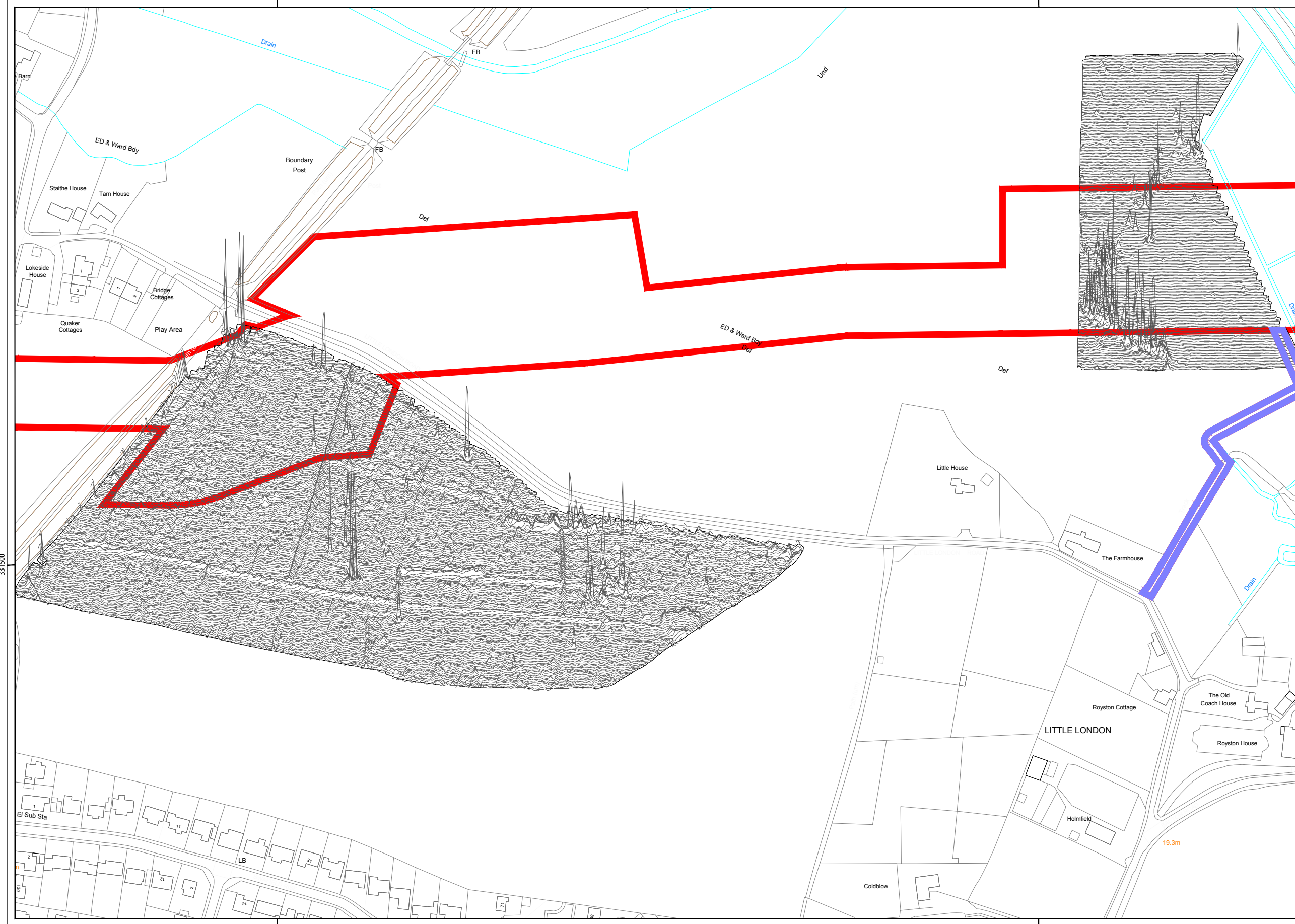


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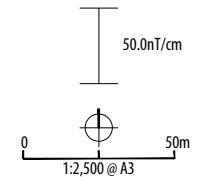
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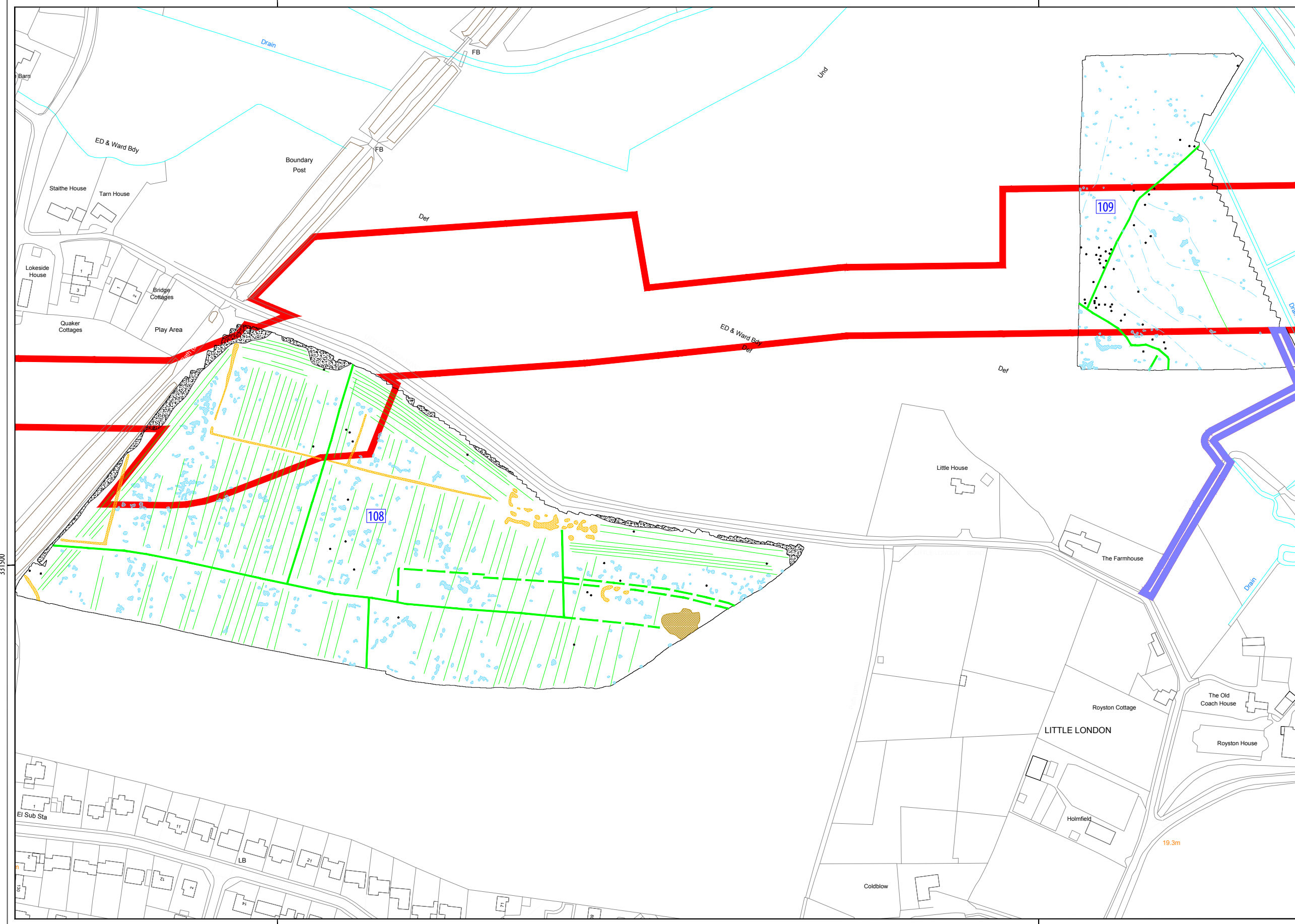
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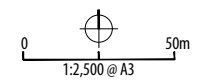
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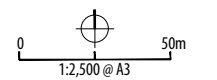
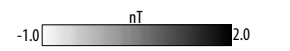
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norfolk vanguard red line boundary  
access route

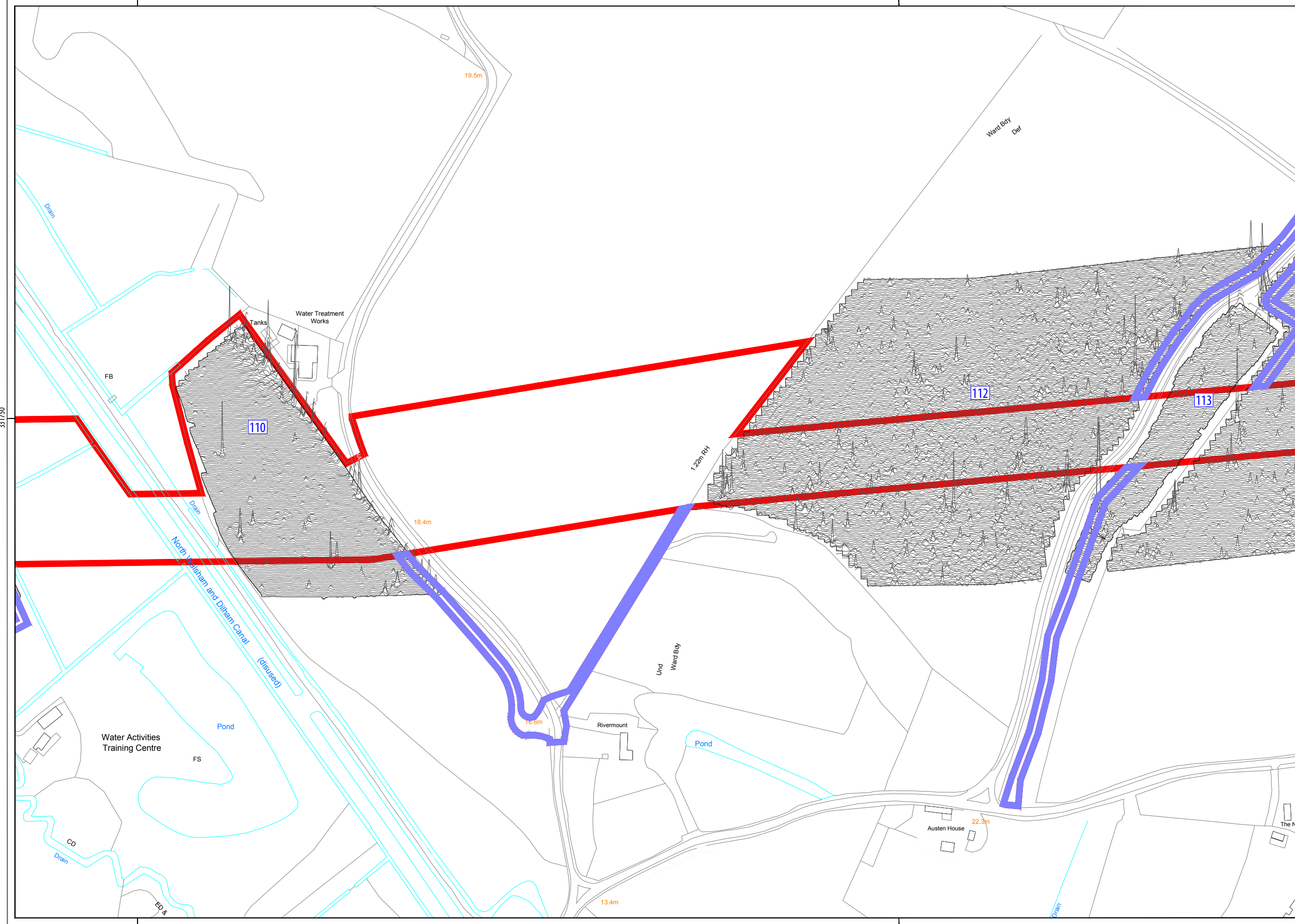


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Survey  
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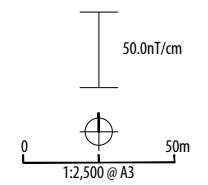
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access route

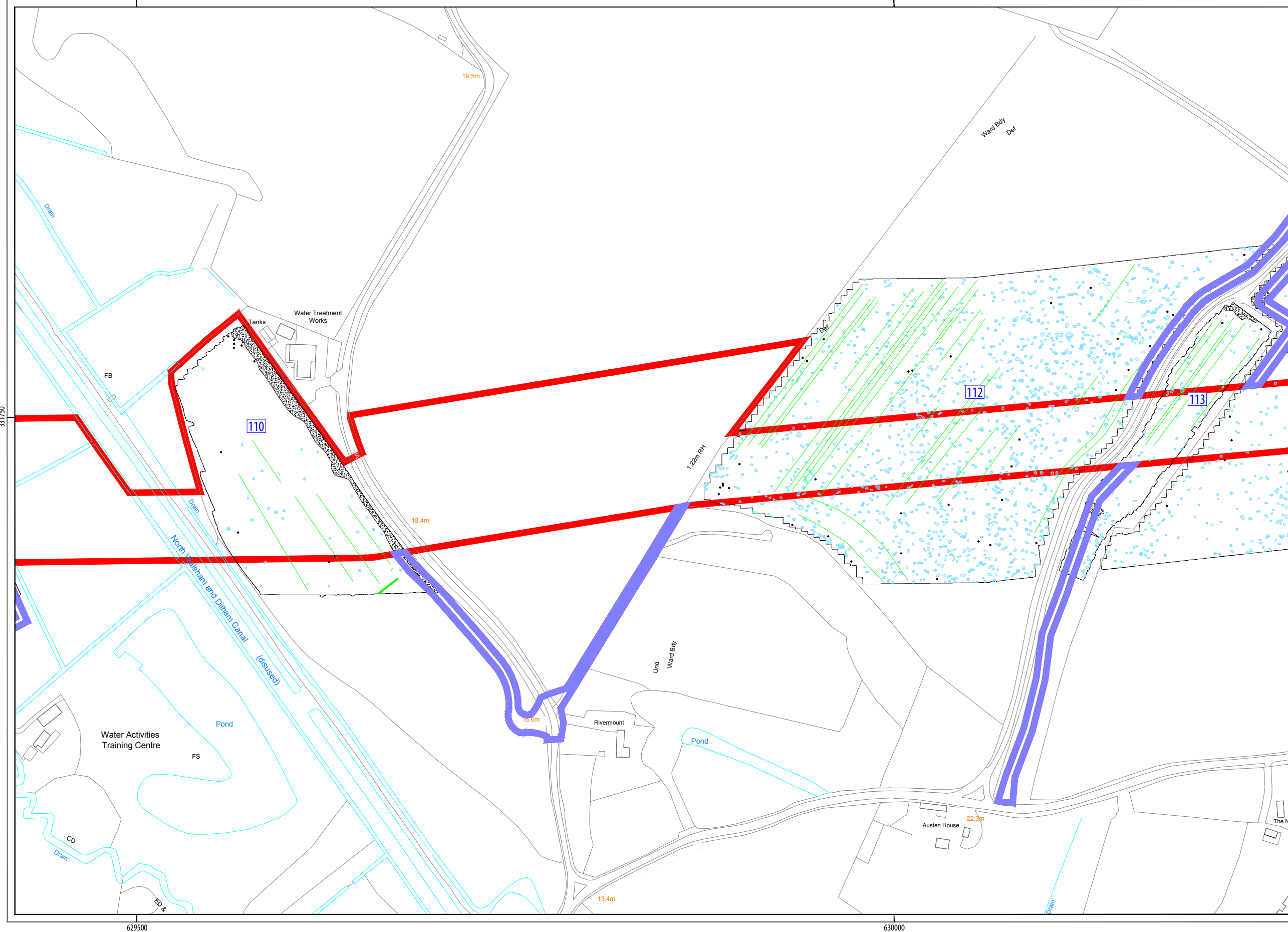


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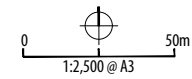
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TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	linear trend	agricultural
—	linear	former field boundary
—	linear trend	geology
●	magnetic enhancement	geology

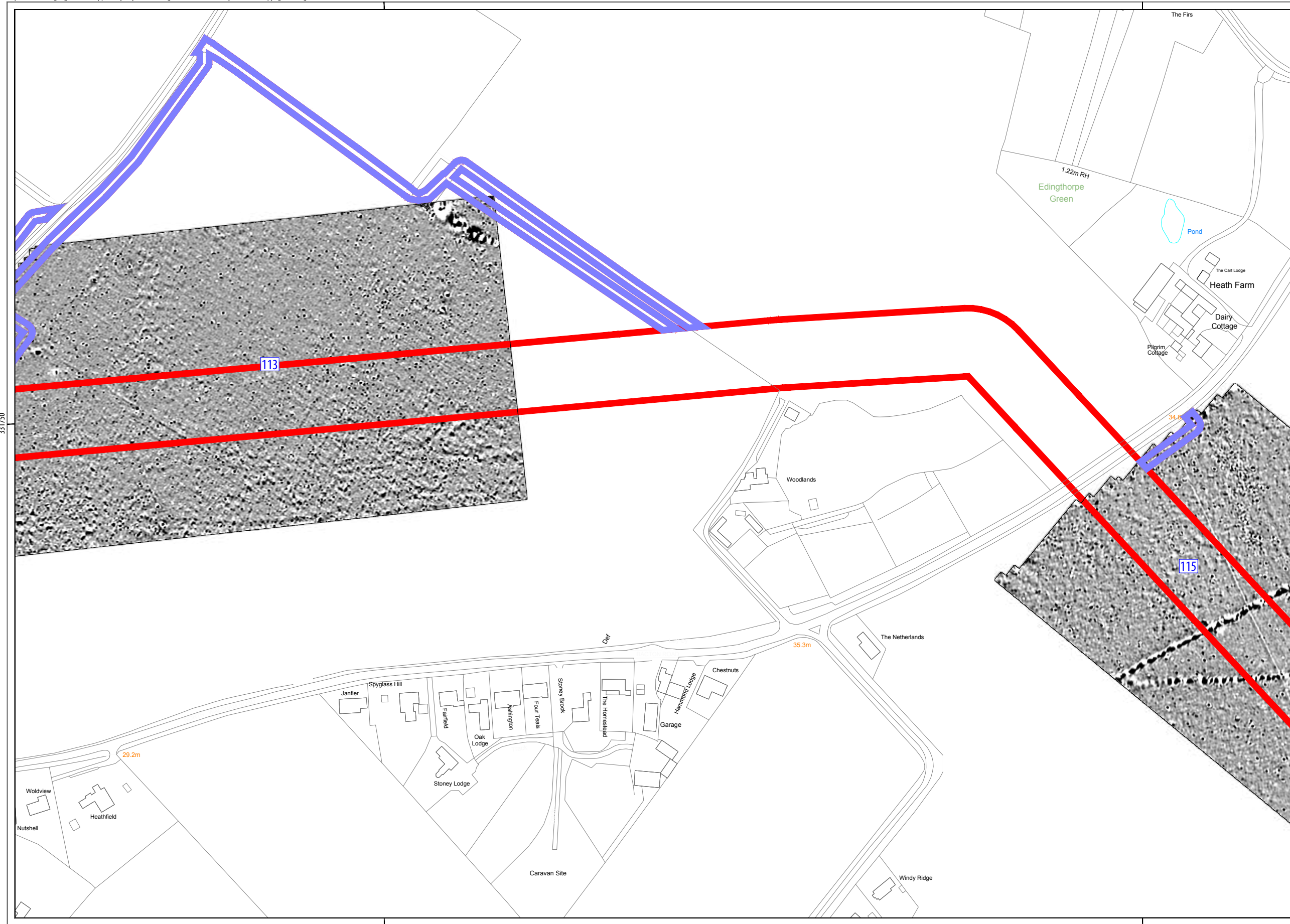




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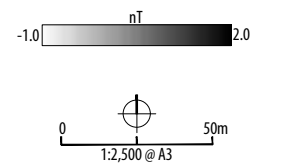
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 access route



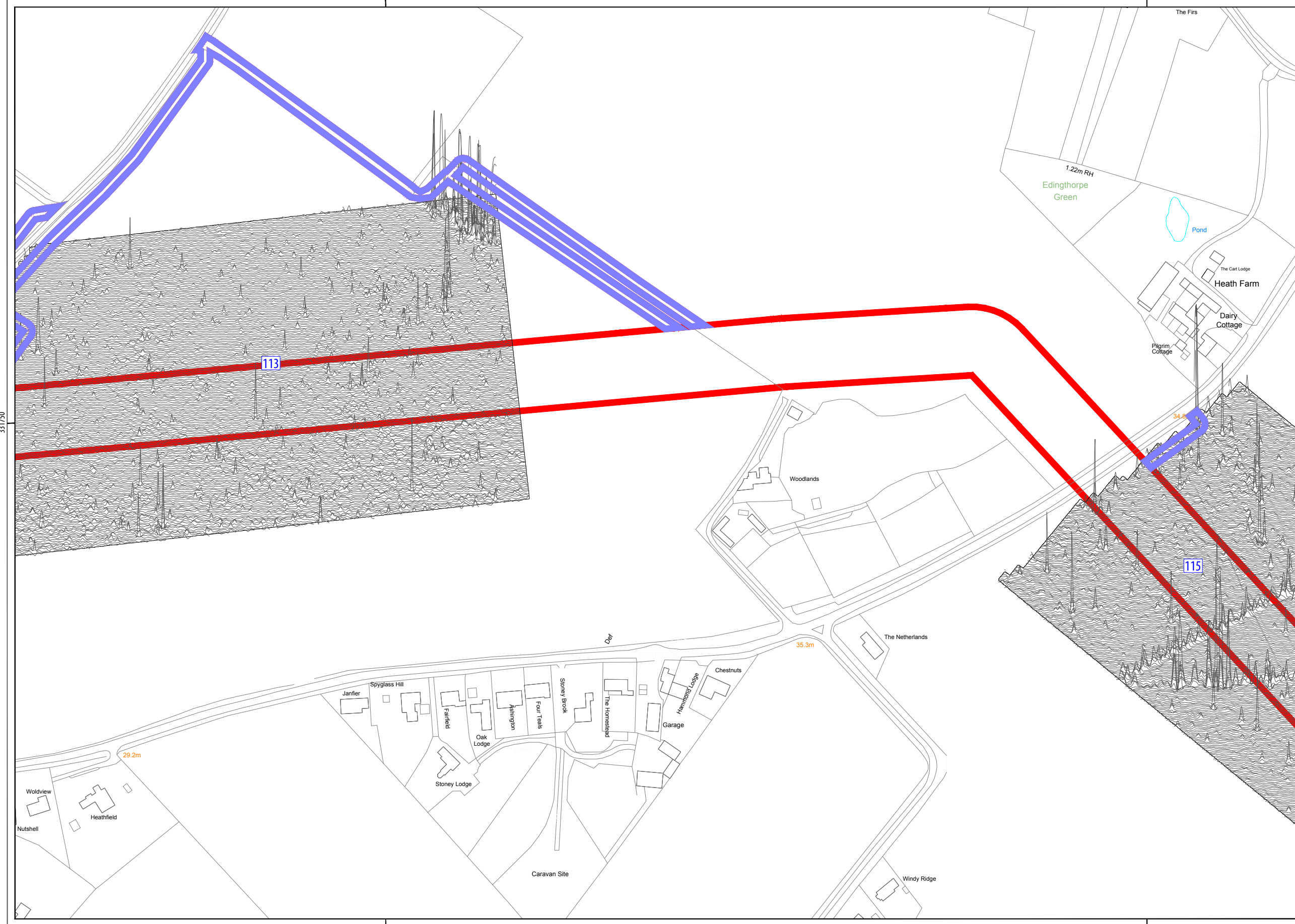
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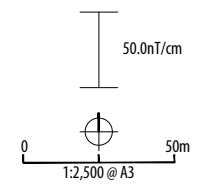


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access route



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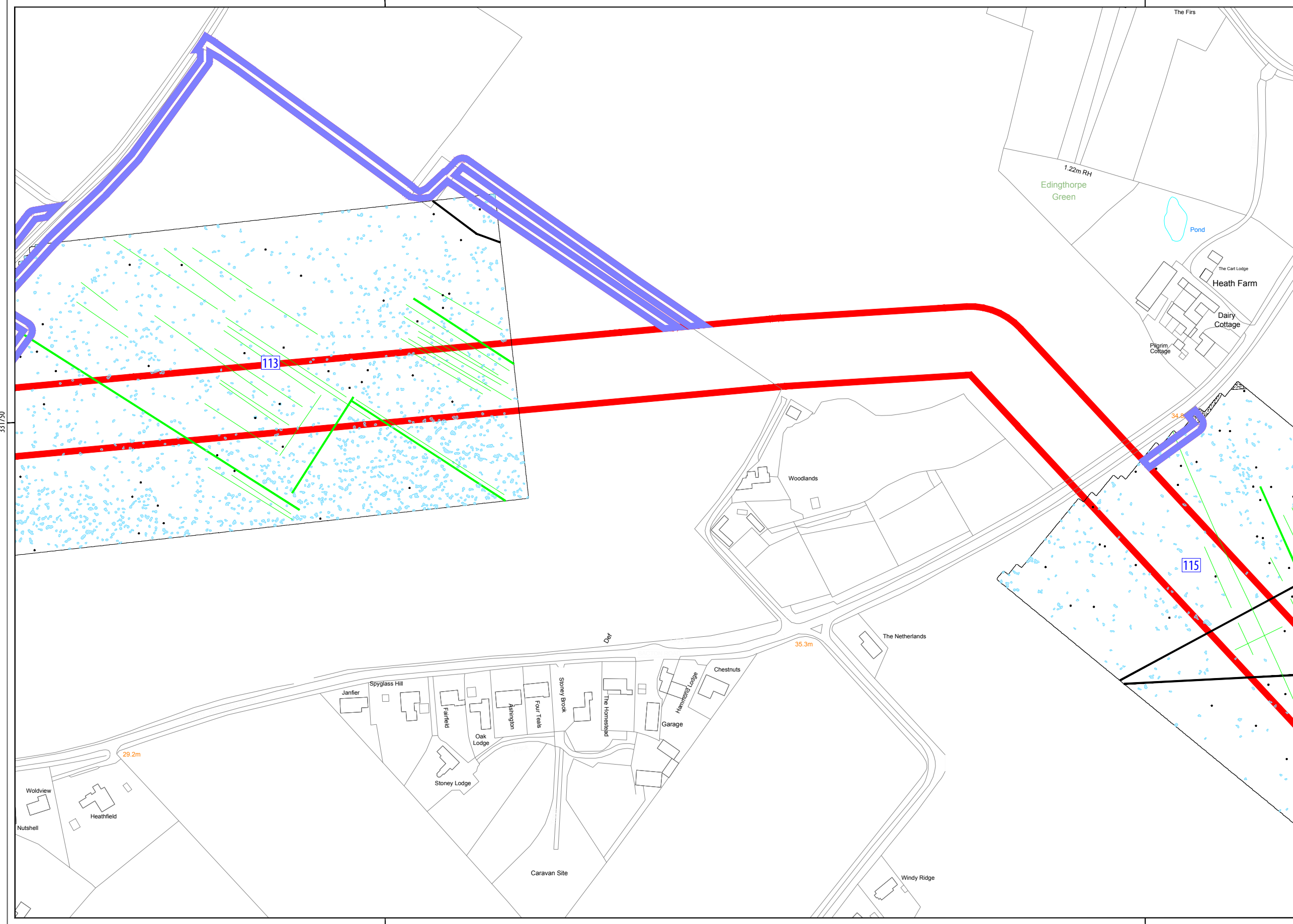
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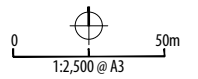
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630500

631000



TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	dipolar linear	service pipe
—	linear trend	agricultural
—	linear	former field boundary
●	magnetic enhancement	geology

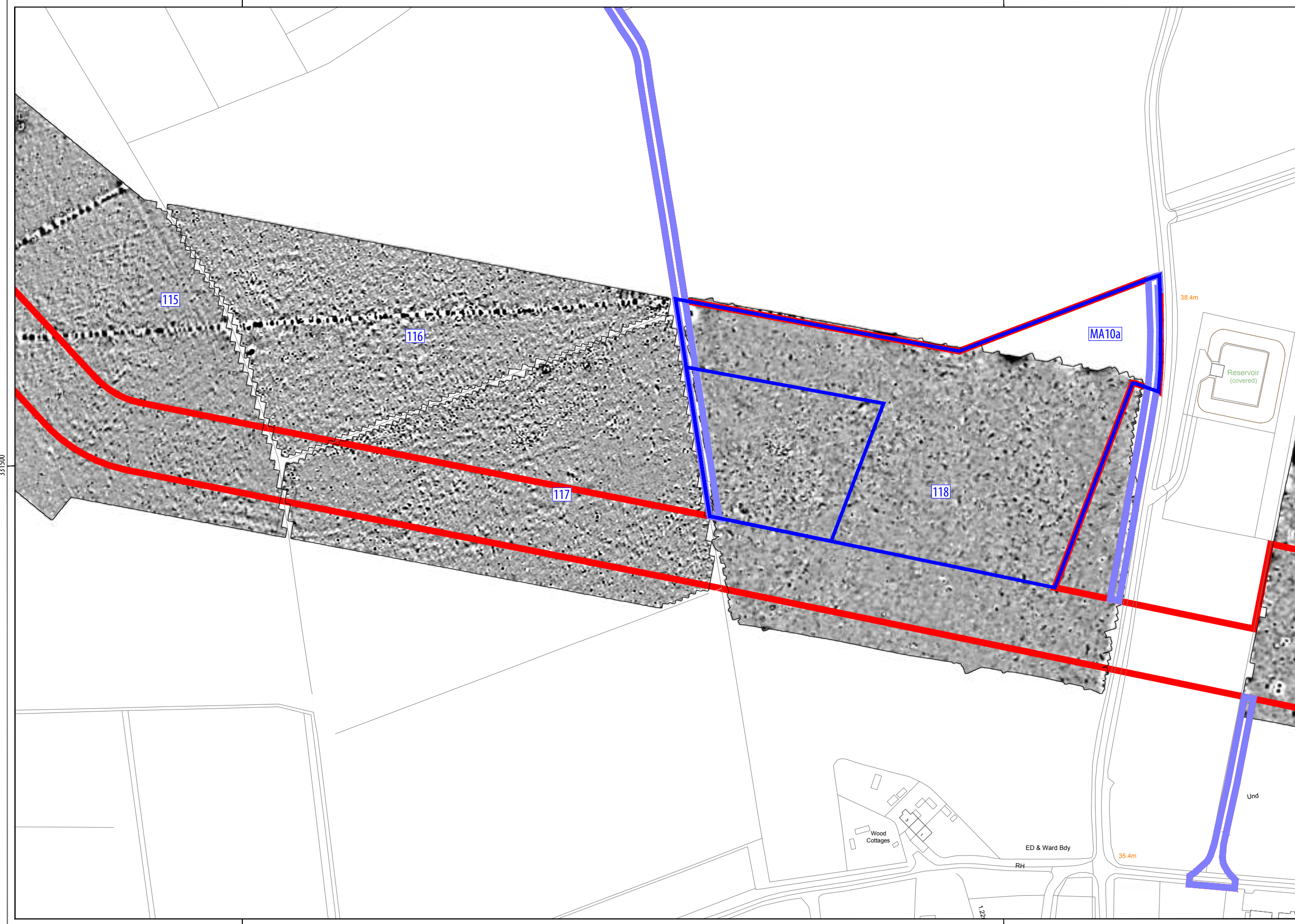


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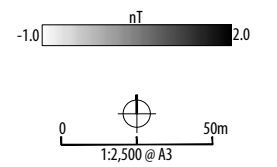
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- norfolk vanguard red line boundary
- mobilisation area
- access route

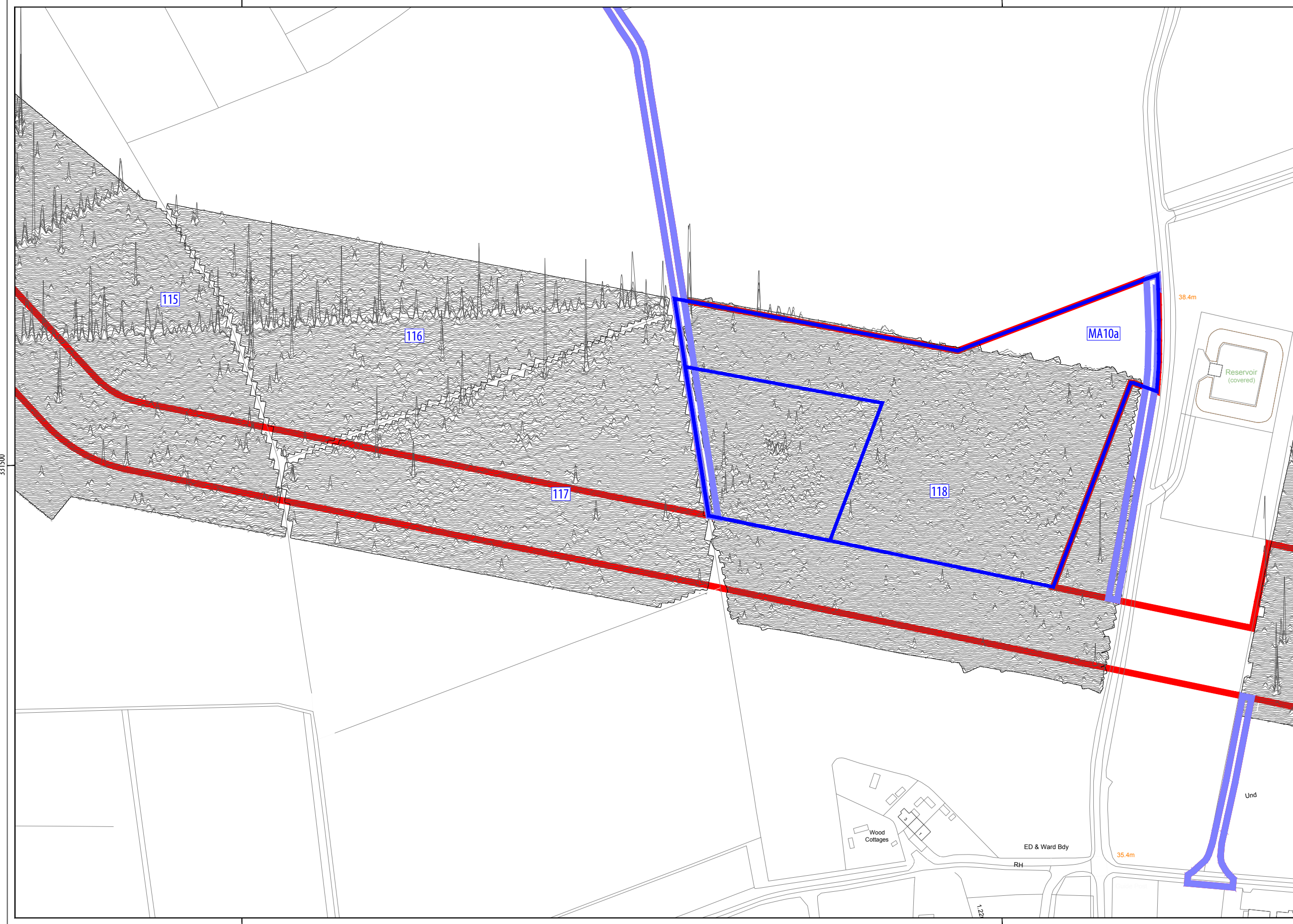


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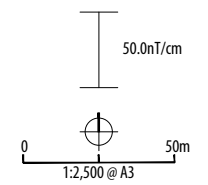
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- norfolk vanguard red line boundary
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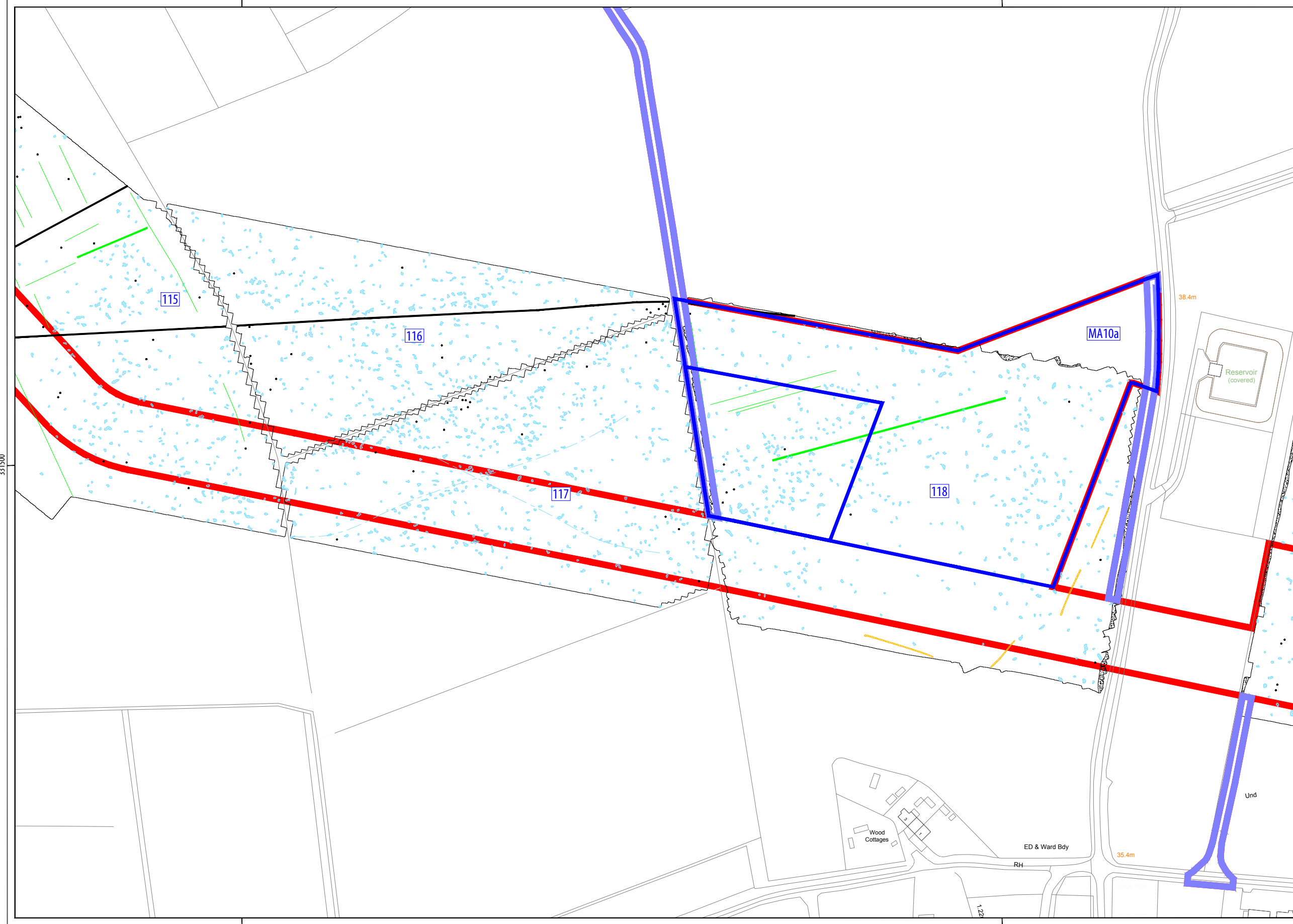


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TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	dipolar linear	service pipe
—	linear trend	agricultural
—	linear	former field boundary
—	linear trend	geology
⊕	magnetic enhancement	geology
⊗	magnetic enhancement	archaeology?



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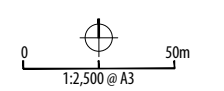
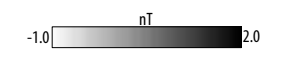


norfolk vanguard red line boundary  
access route

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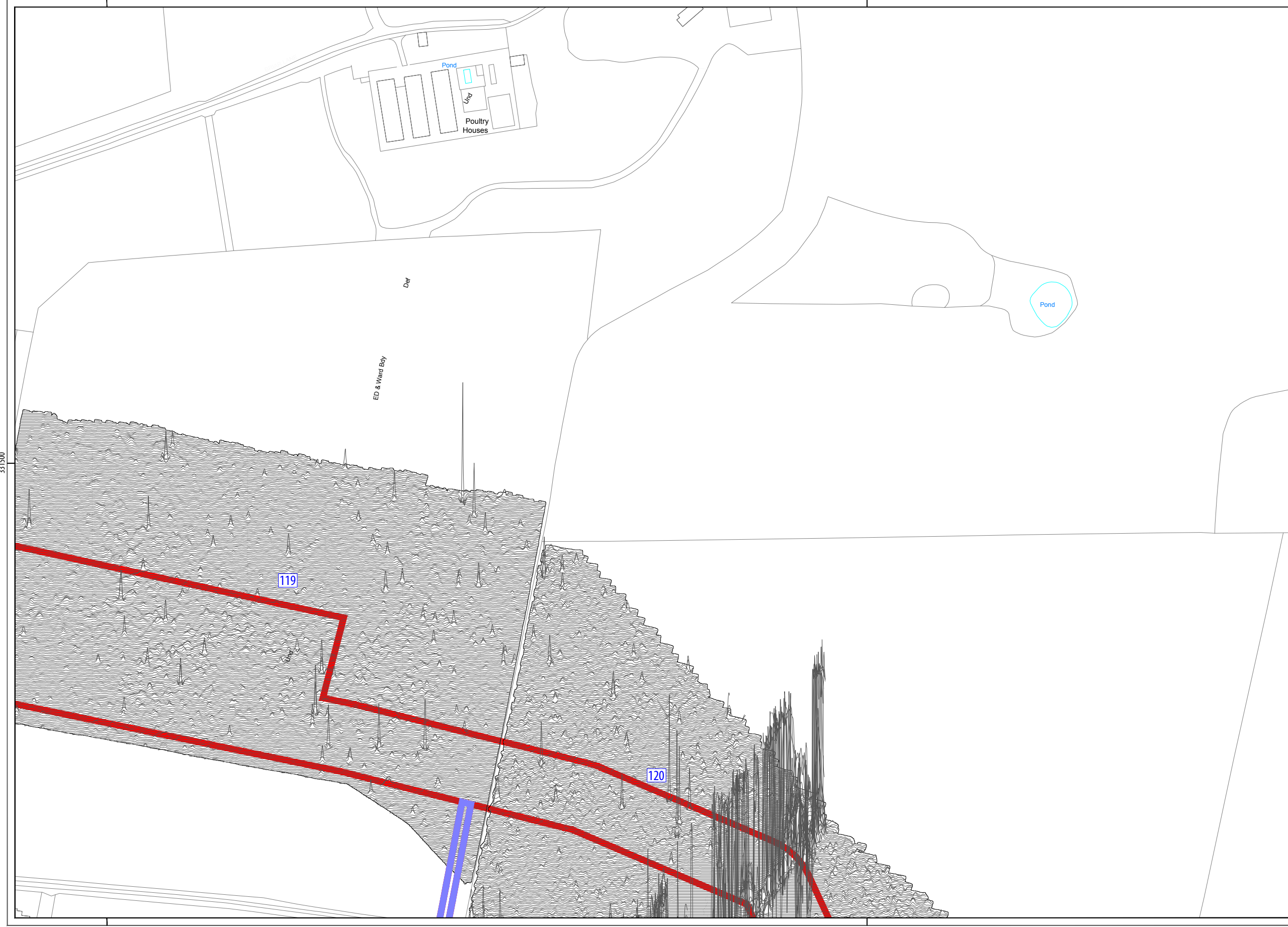
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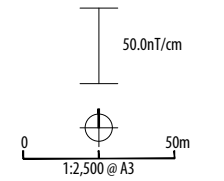
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norfolk vanguard red line boundary  
access route

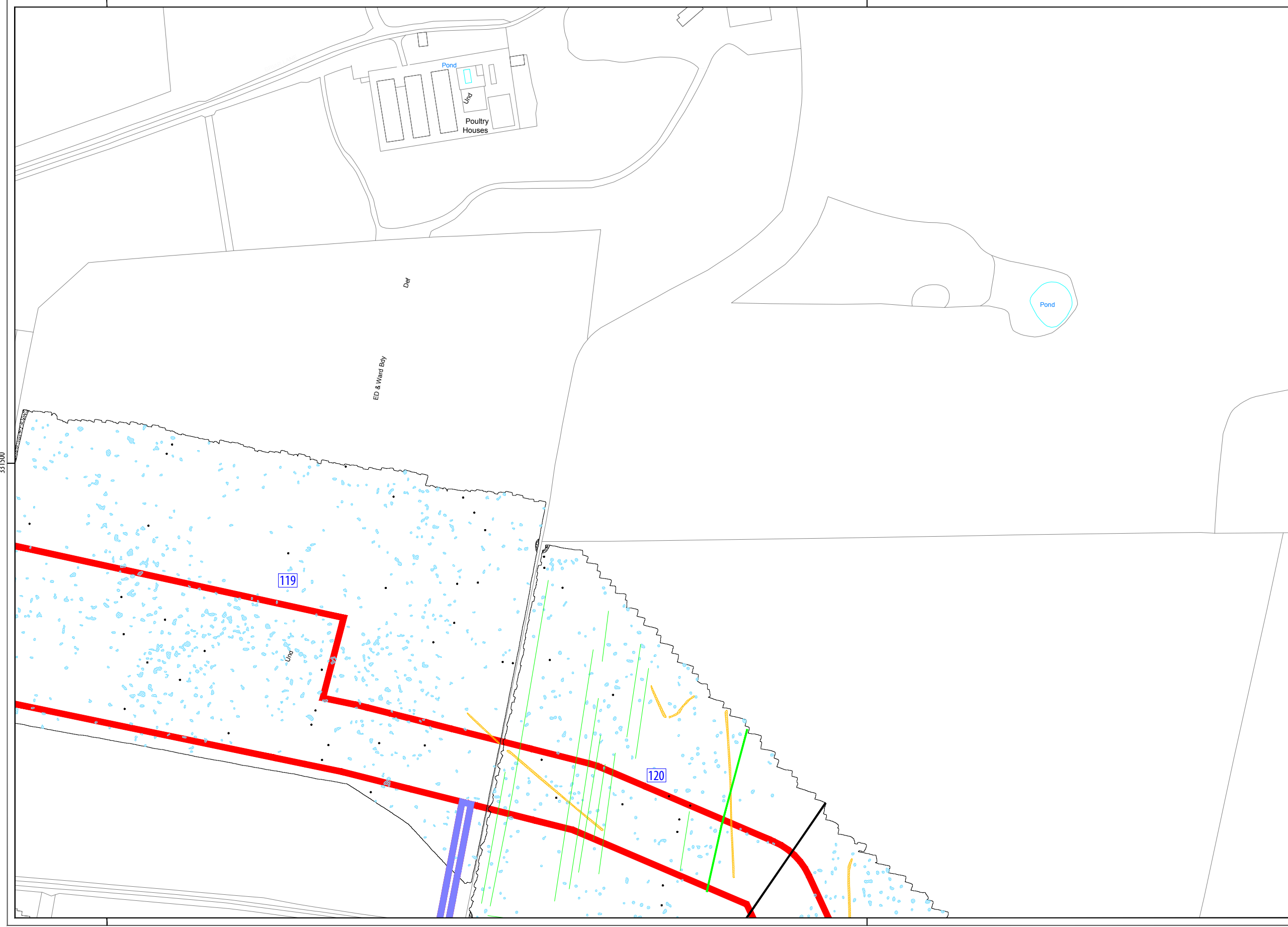


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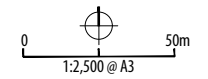
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TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	dipolar linear	service pipe
—	linear trend	agricultural
—	linear	former field boundary
⊕	magnetic enhancement	geology
⊗	magnetic enhancement	archaeology?



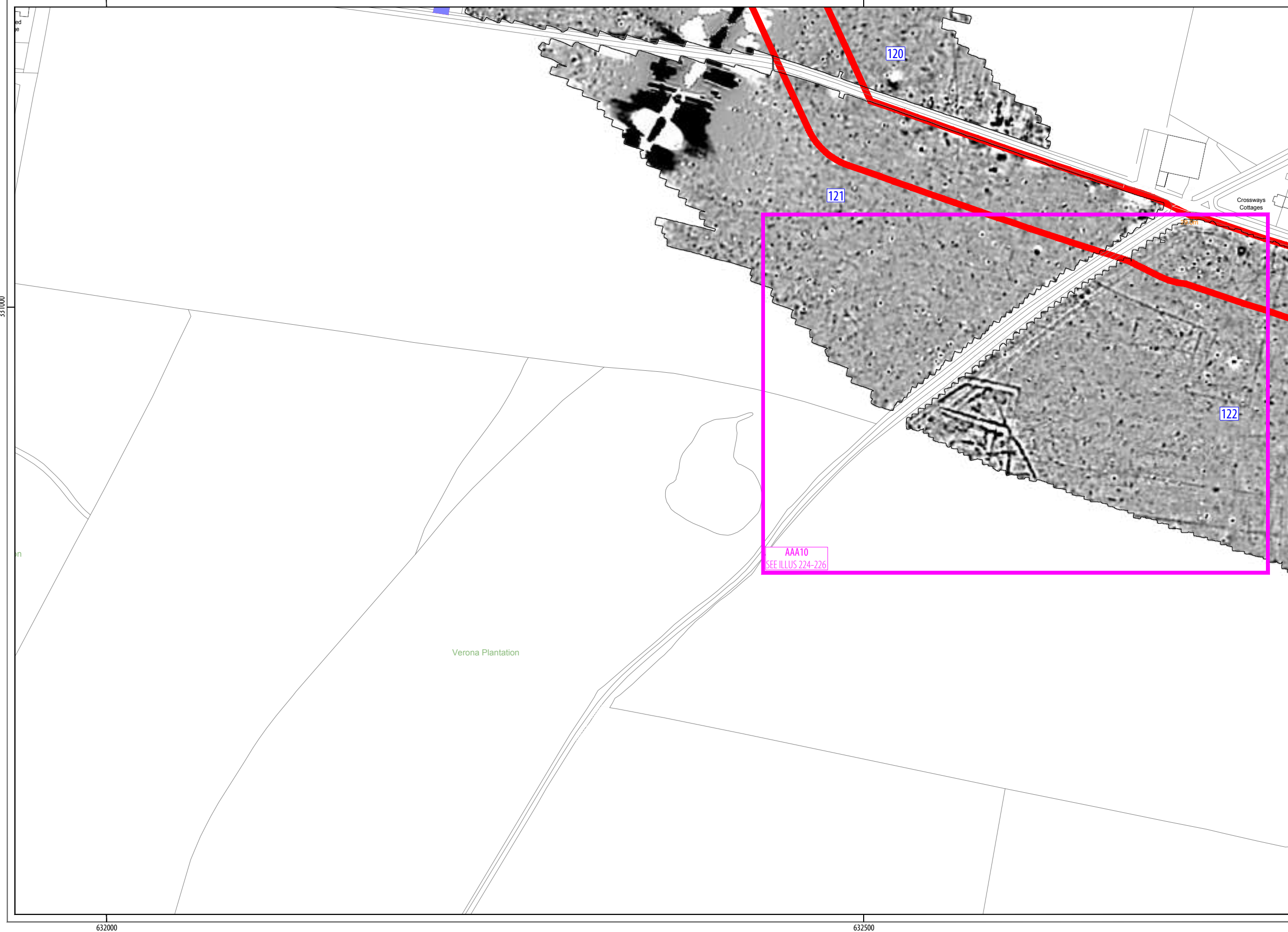
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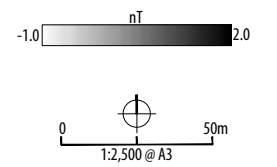


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access route



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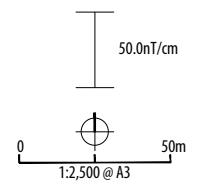
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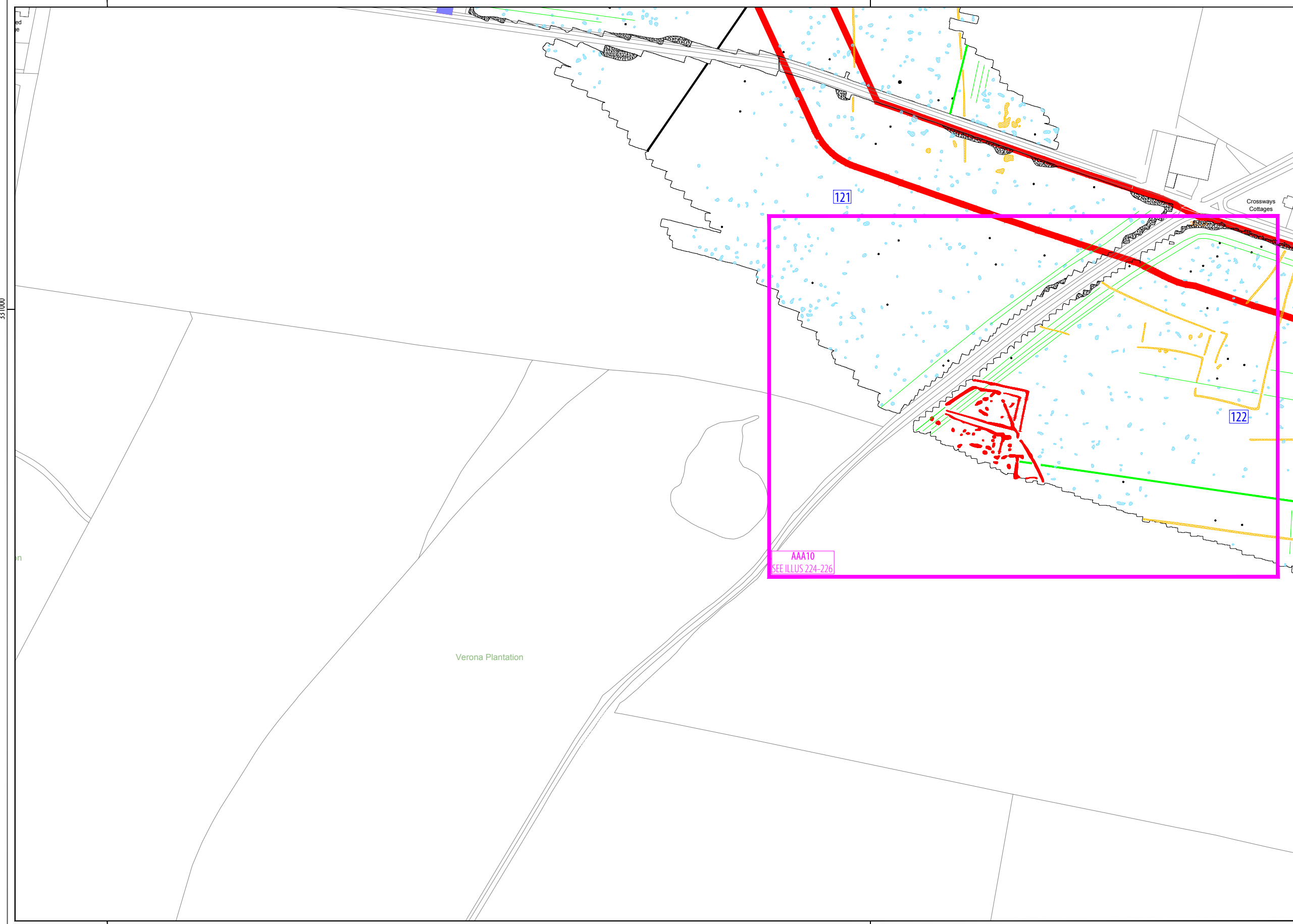


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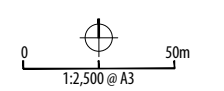
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TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	dipolar linear	service pipe
—	linear trend	agricultural
—	linear	former field boundary
●	magnetic enhancement	geology
●	magnetic enhancement	archaeology?
●	magnetic enhancement	archaeology



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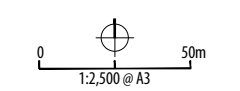
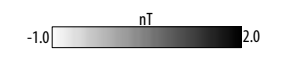


norfolk vanguard red line boundary  
access route

330750

633000

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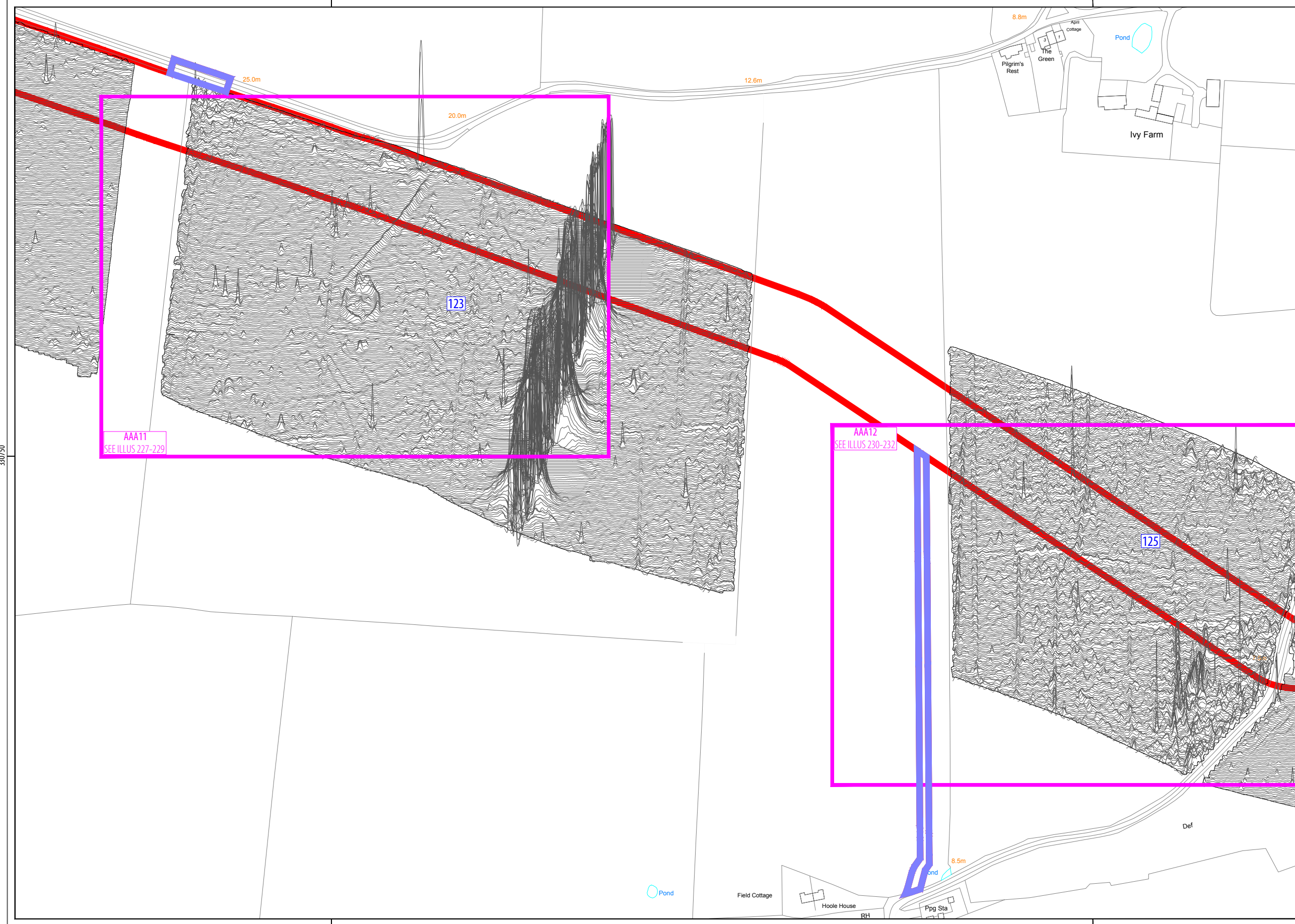


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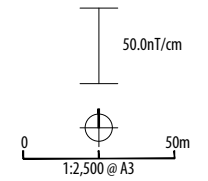
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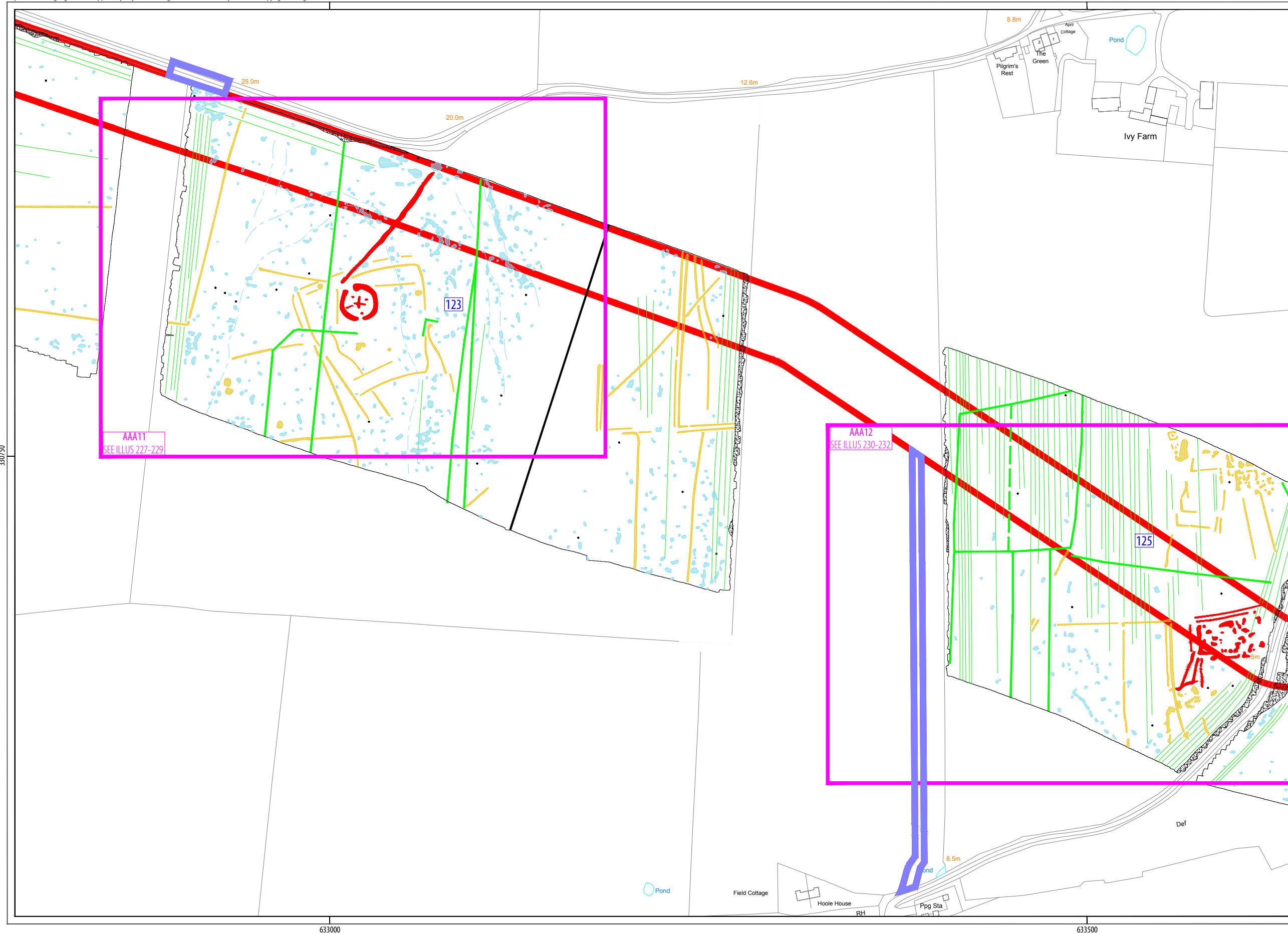
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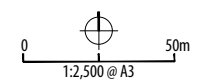
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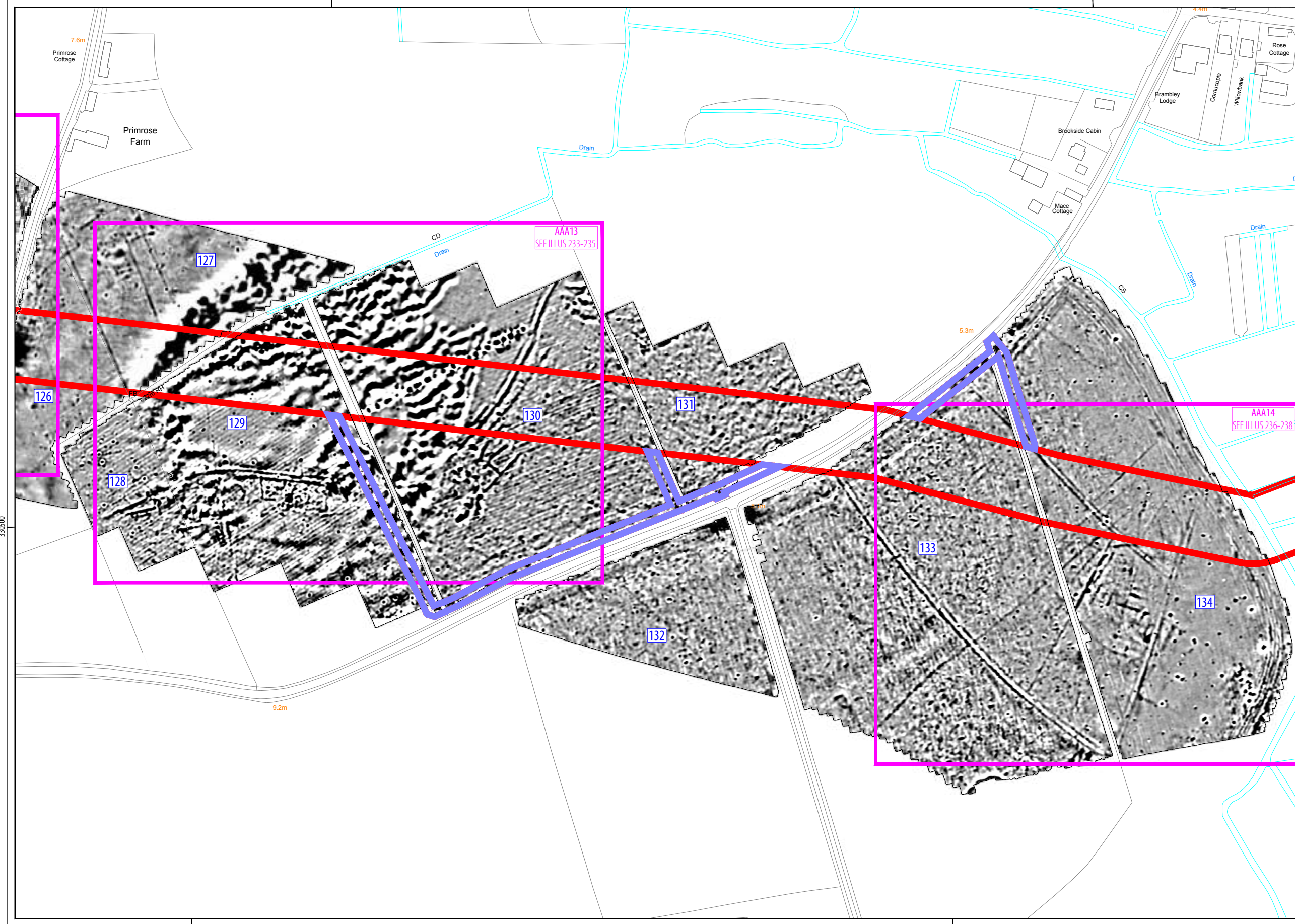
TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— dipolar linear	service pipe
— linear trend	agricultural
— linear	former field boundary?
— linear	former field boundary?
— linear trend	geology
● magnetic enhancement	geology
● magnetic enhancement	archaeology?
● magnetic enhancement	archaeology



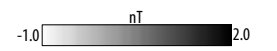
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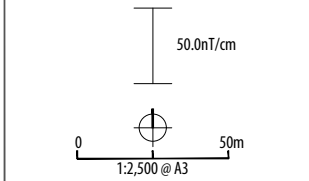
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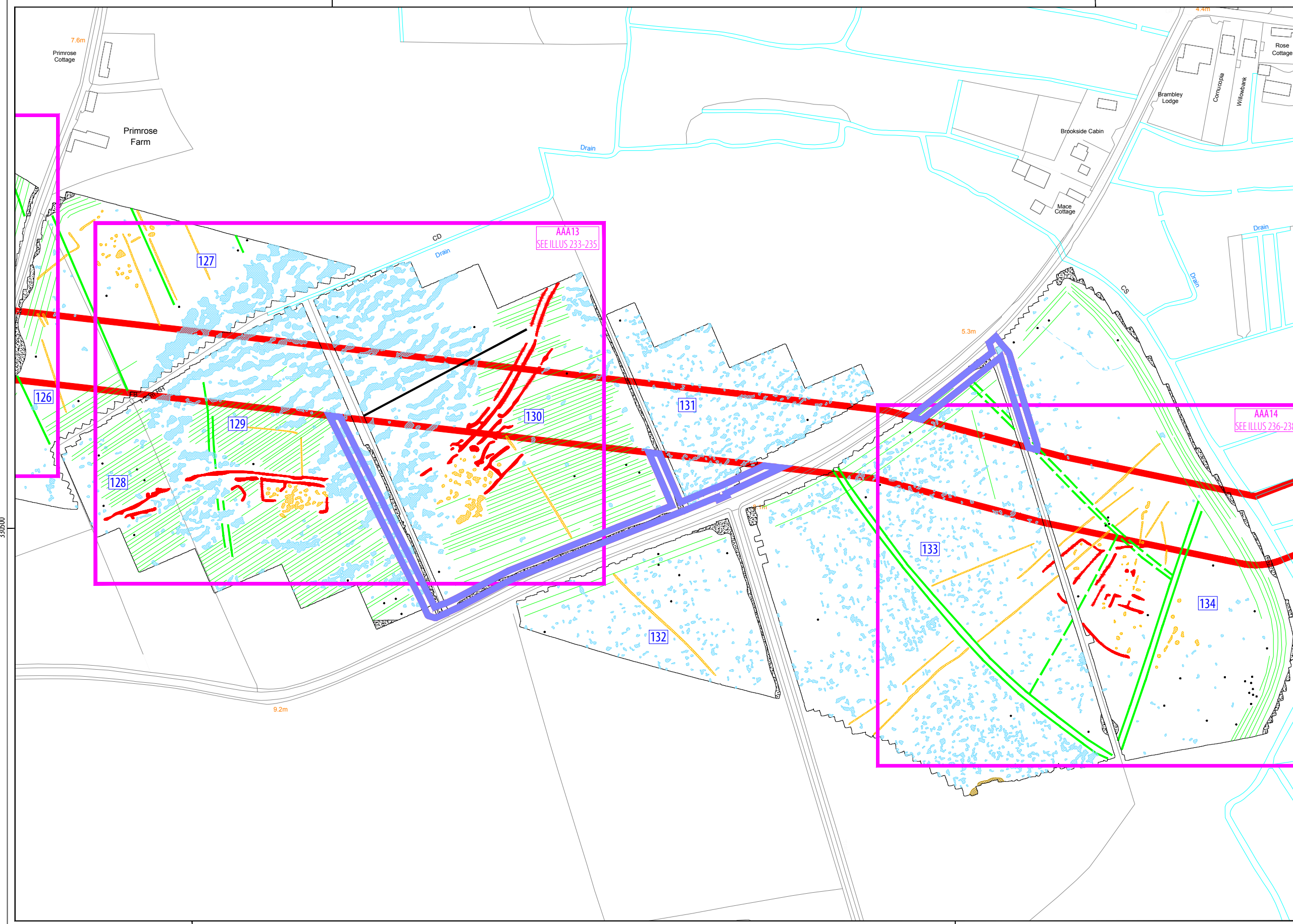
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ILLUS 165 XY trace plot of minimally processed of magnetometer data; PAGSA 126-134





TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	linear trend	agricultural
—	linear	former field boundary?
—	linear	former field boundary?
■	magnetic enhancement	geology
■	magnetic enhancement	archaeology?
●	magnetic enhancement	archaeology

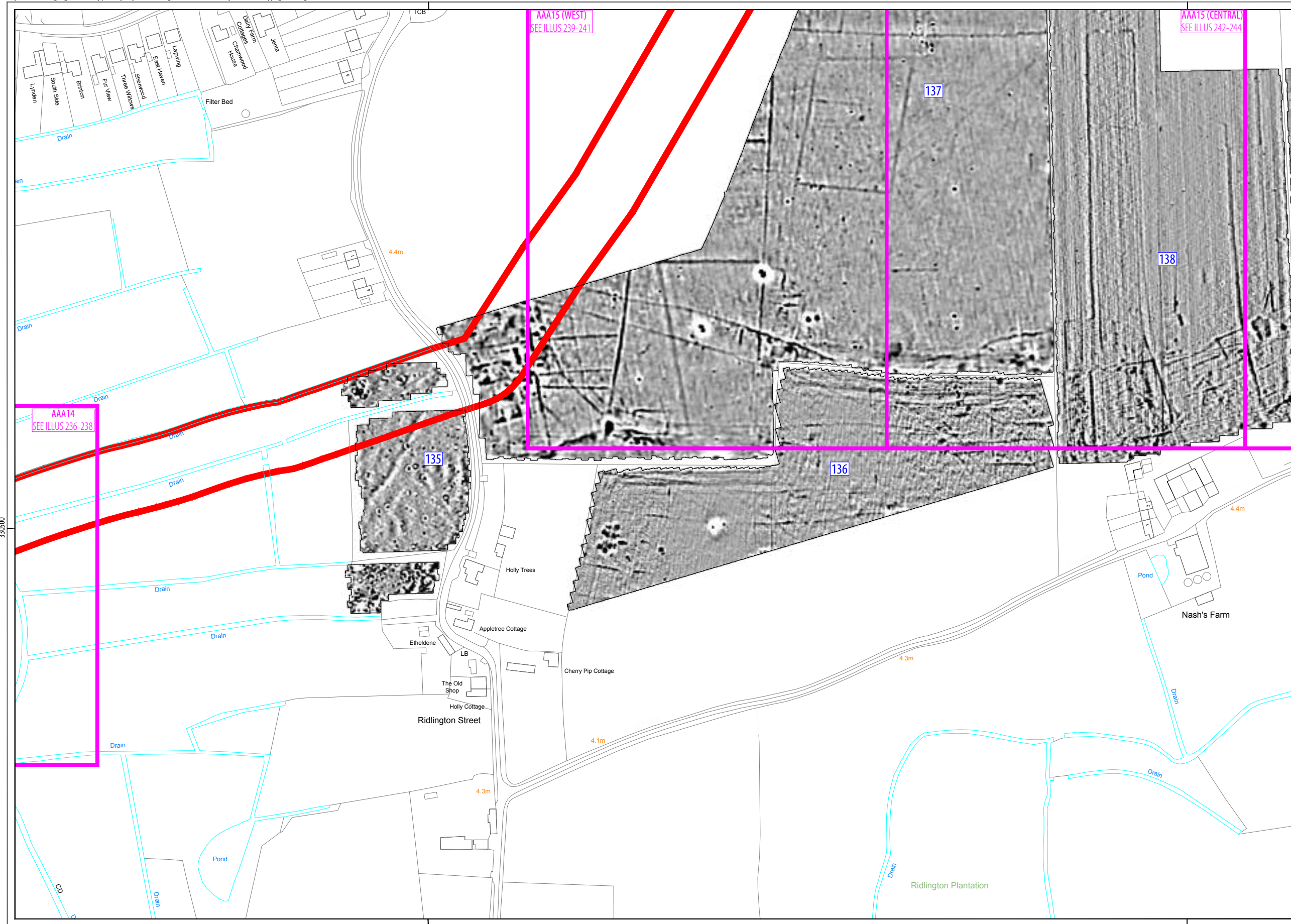



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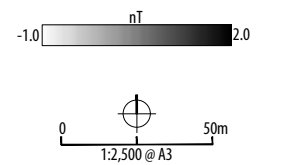
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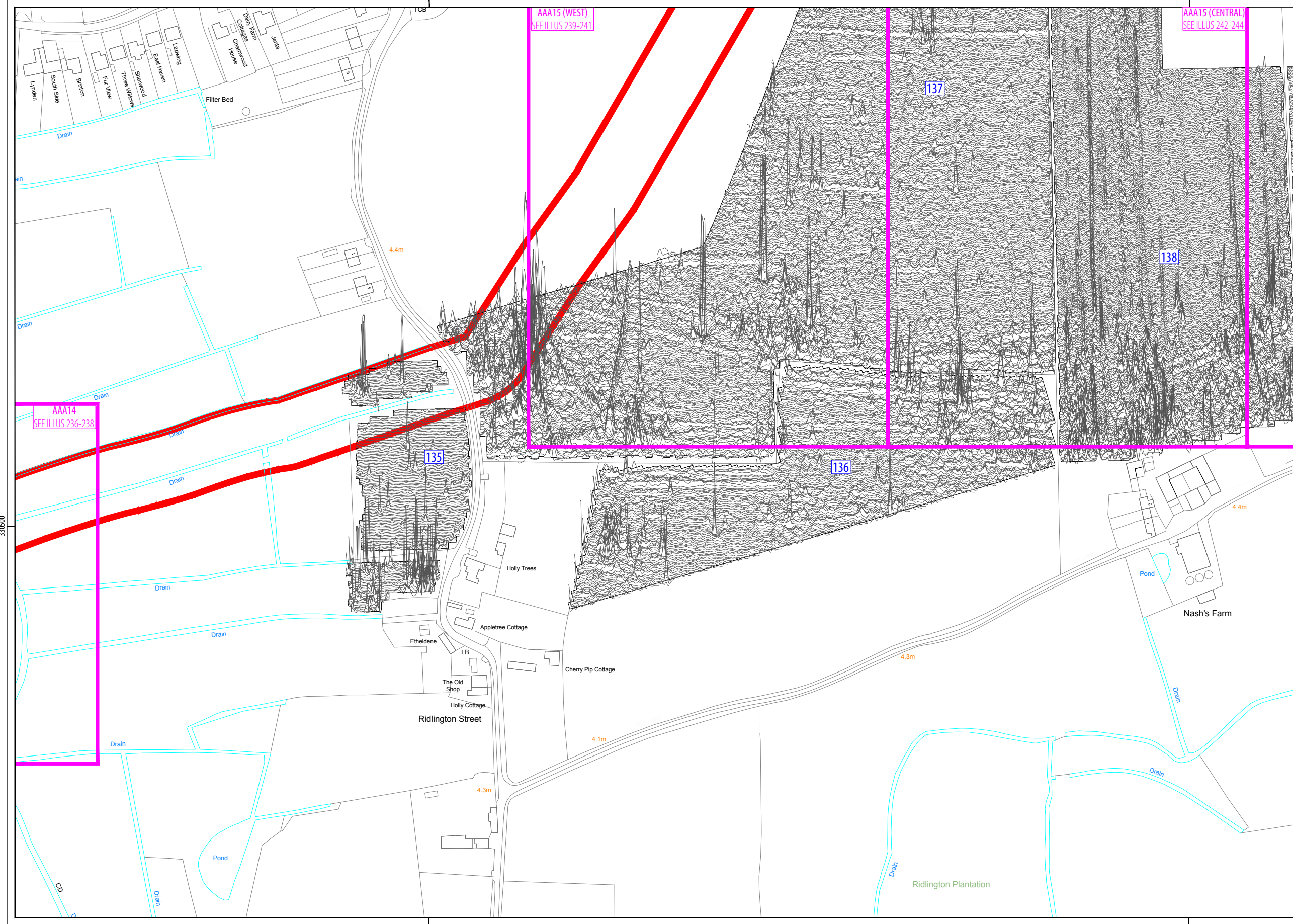



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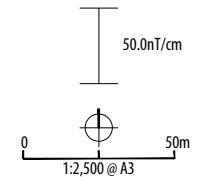
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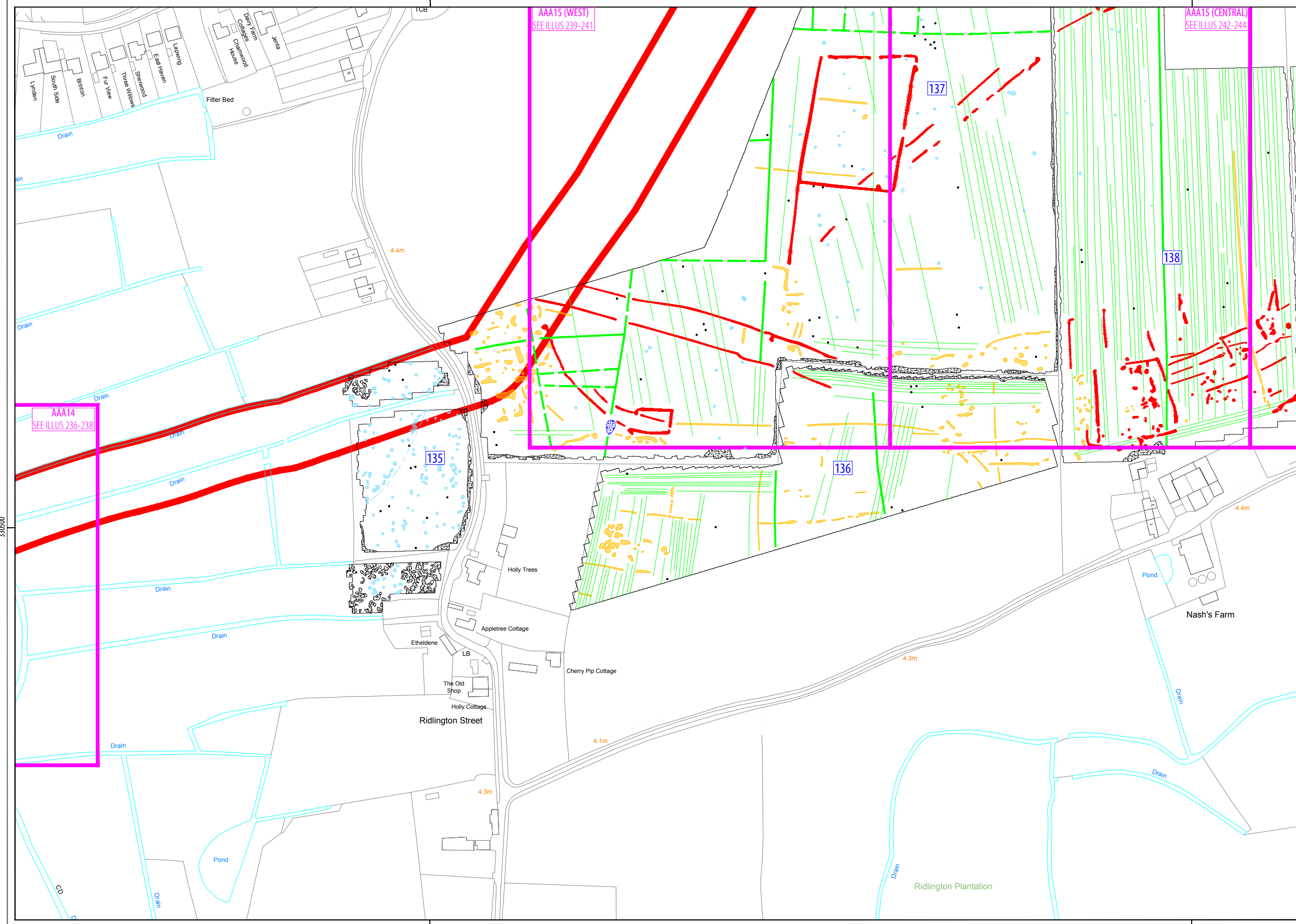


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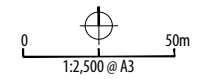
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TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	linear trend	agricultural
—	linear	former field boundary?
—	linear	former field boundary?
—	linear trend	geology
—	magnetic enhancement	geology
—	magnetic enhancement	archaeology?
●	magnetic enhancement	archaeology

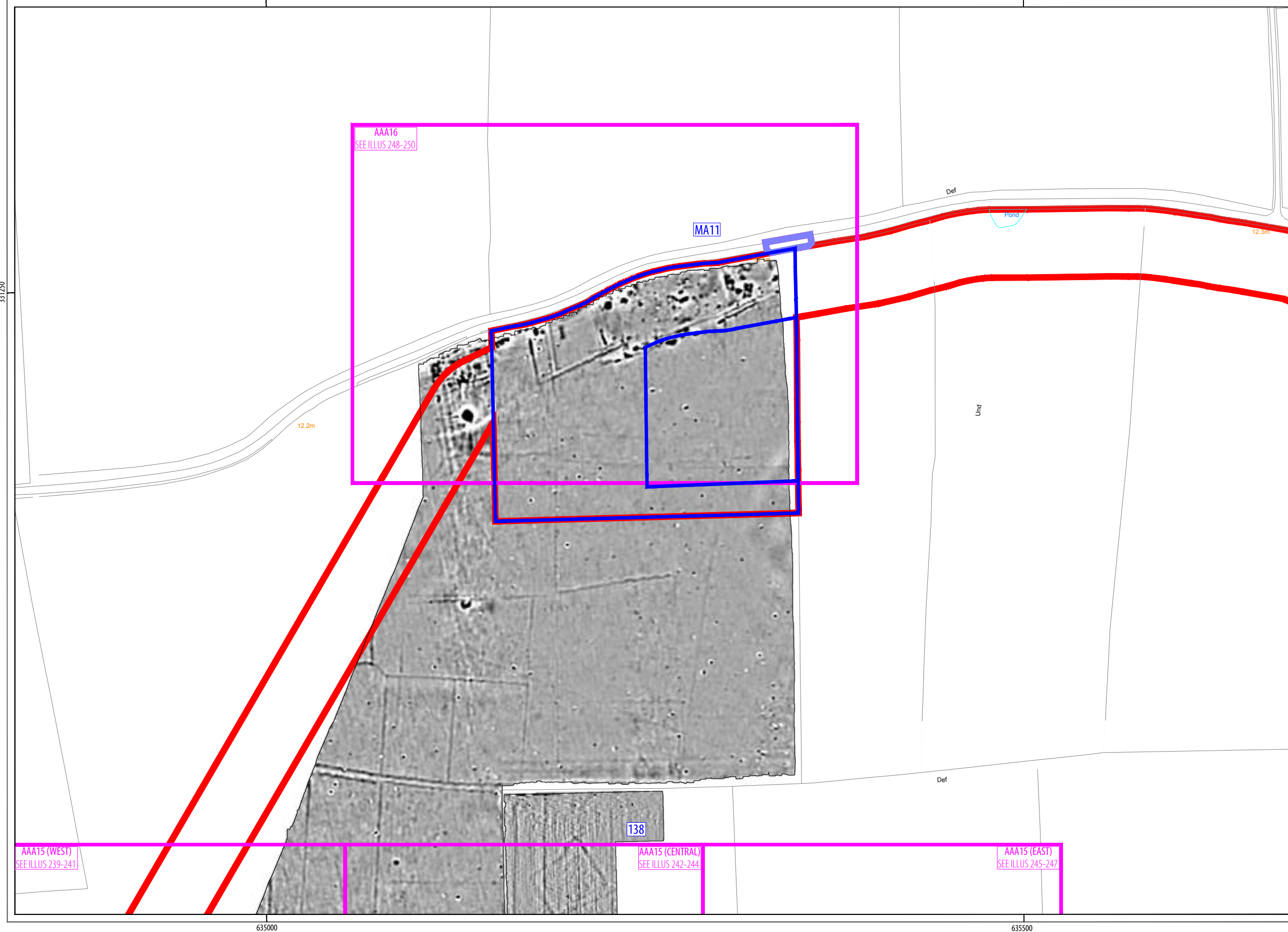


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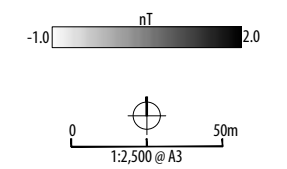
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- norfolk vanguard red line boundary
- mobilisation area
- access route

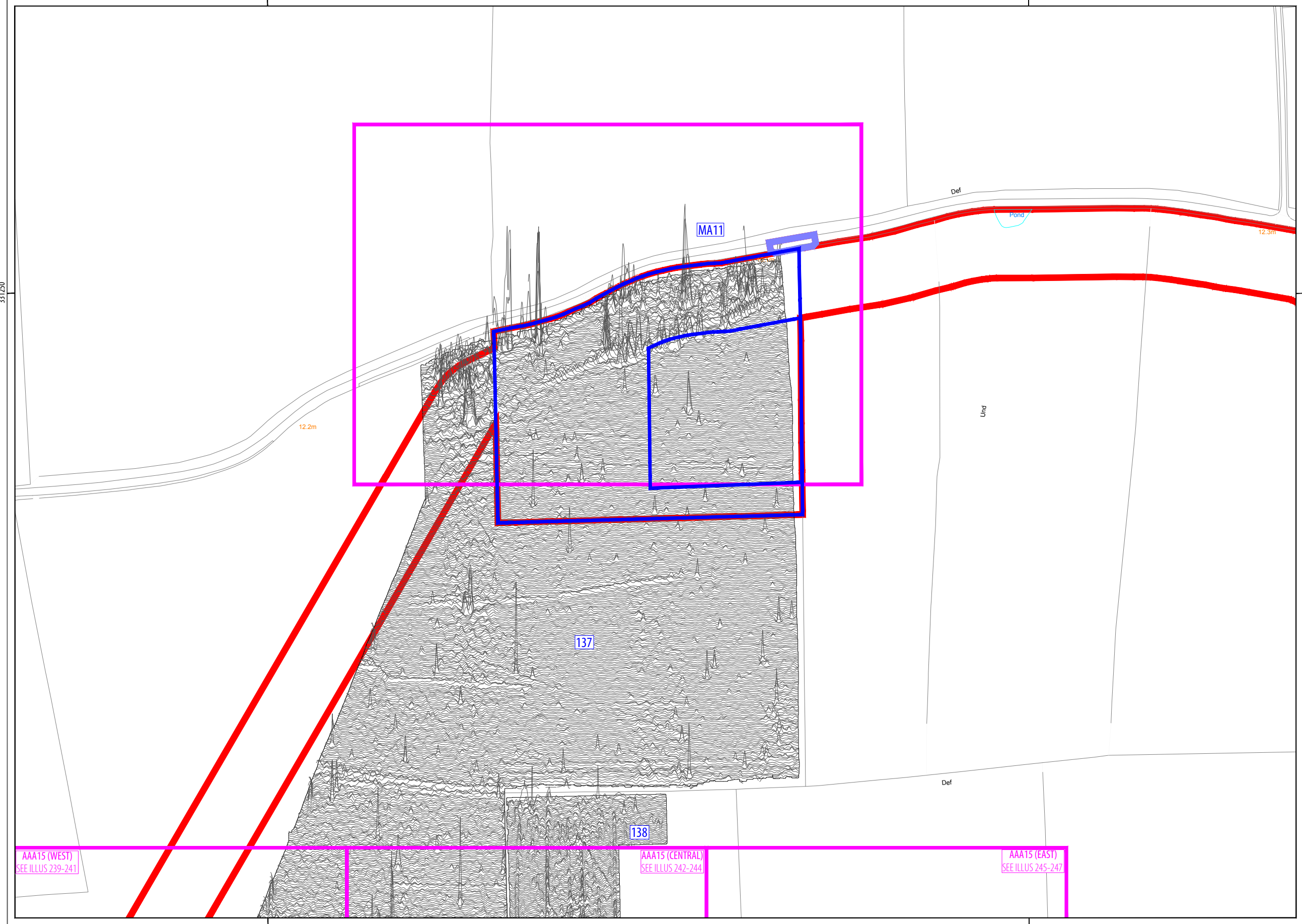


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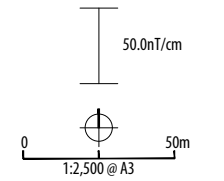
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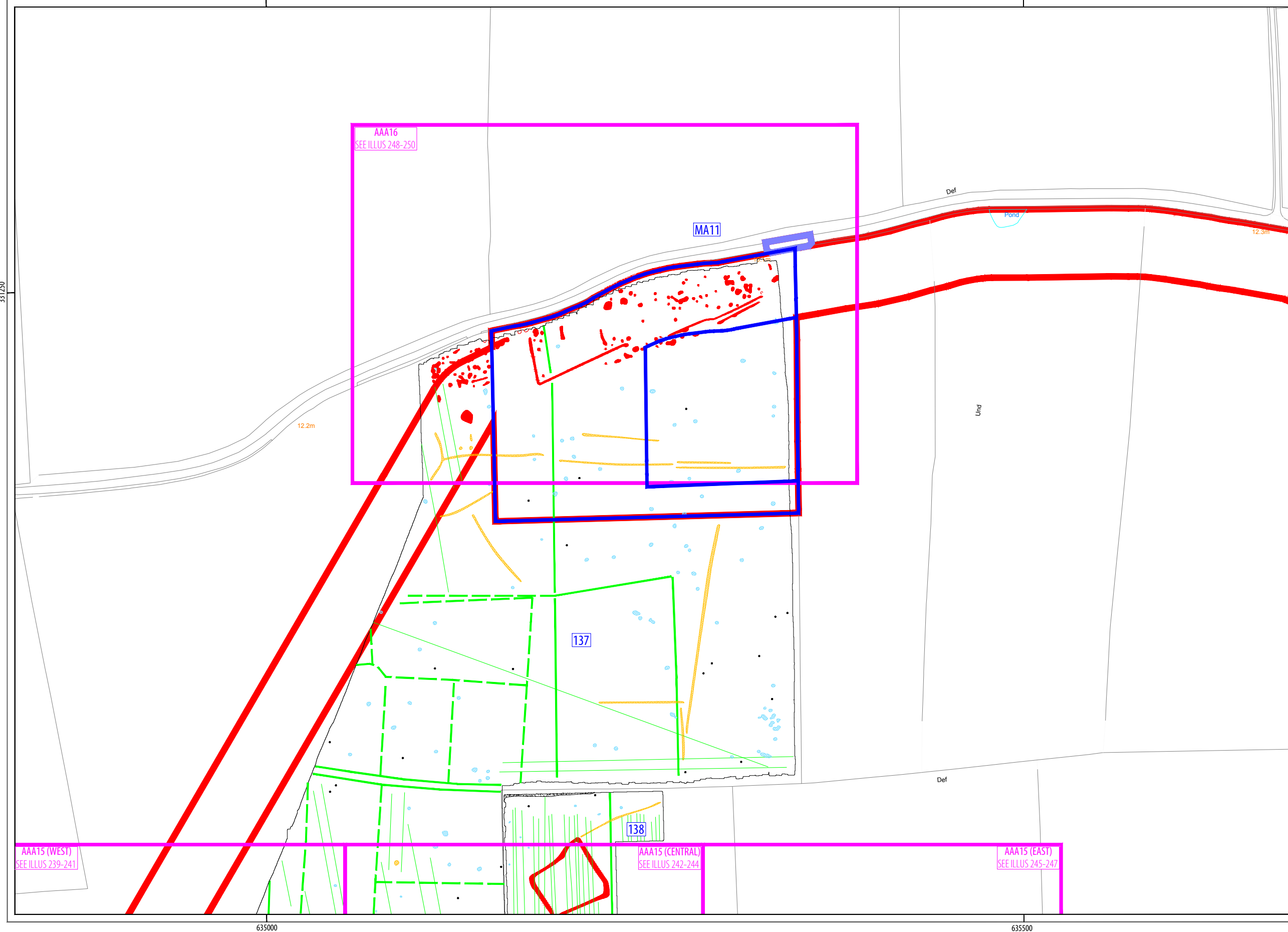
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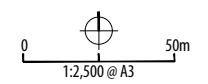


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ILLUS 171 XY trace plot of minimally processed of magnetometer data; PAGSA 137-138



TYPE OF ANOMALY		INTERPRETATION
●	dipolar isolated	ferrous material
●	magnetic disturbance	ferrous material
—	linear trend	agricultural
—	linear	former field boundary?
—	linear	former field boundary?
■	magnetic enhancement	geology
■	magnetic enhancement	archaeology?
■	magnetic enhancement	archaeology

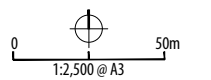
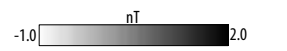


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norfolk vanguard red line boundary



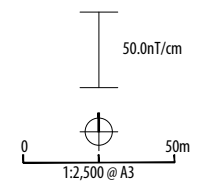
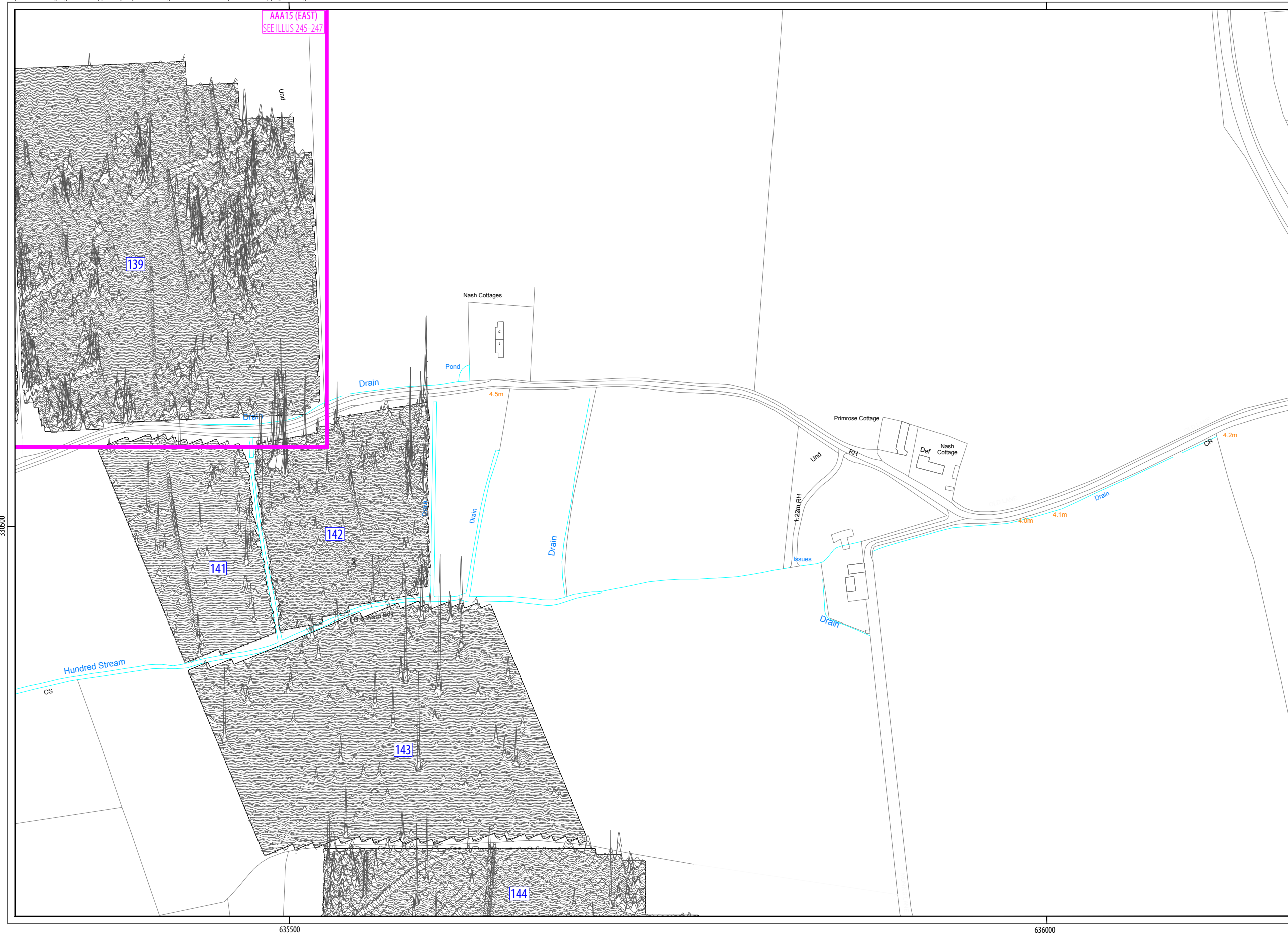
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 Priority Archaeological Geophysical  
 Survey  
 (Terrestrial Archaeology)  
 Norfolk Vanguard Offshore Wind Farm  
 Royal HaskoningDHV

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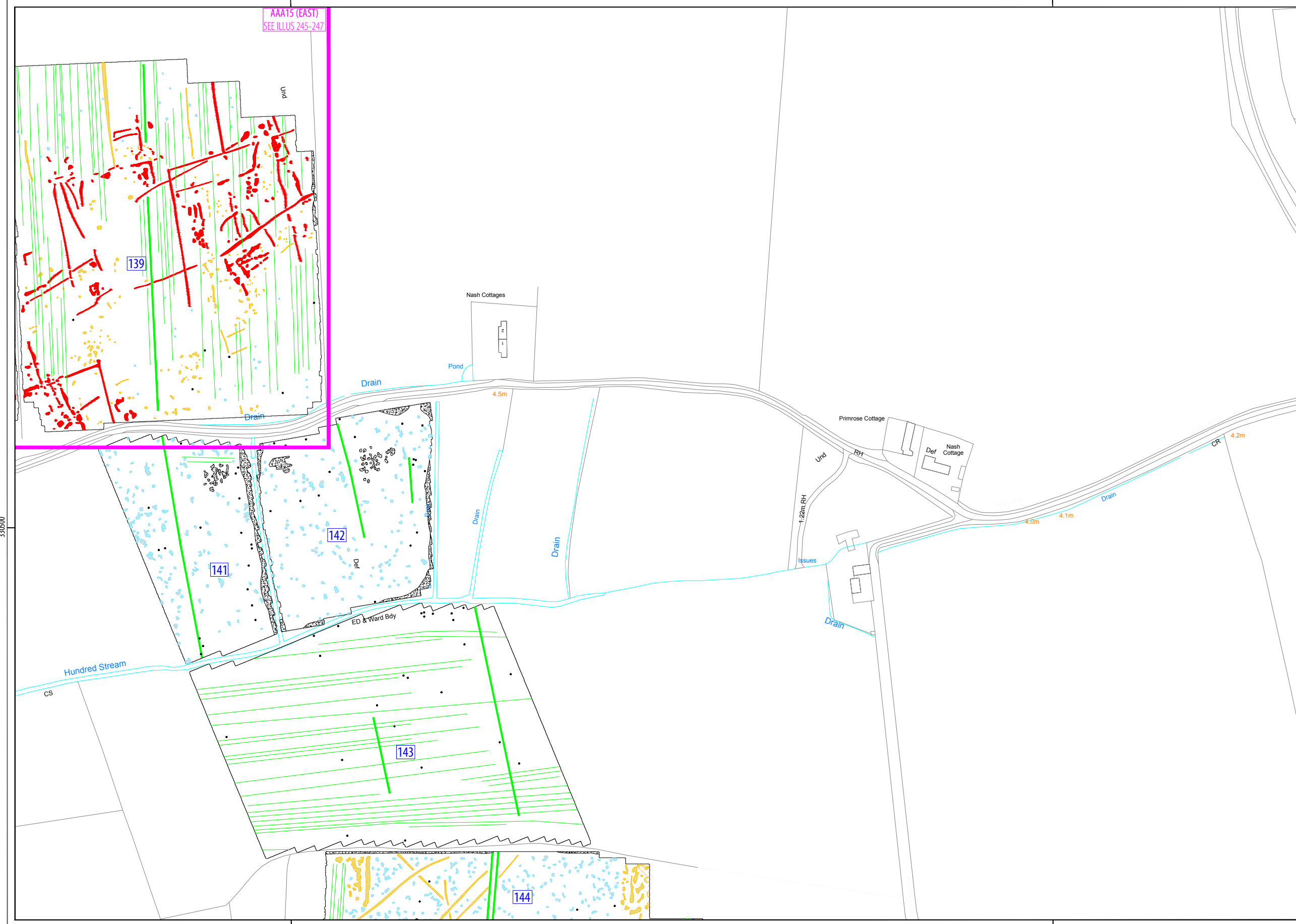


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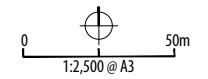
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TYPE OF ANOMALY	INTERPRETATION
● dipolar isolated	ferrous material
● magnetic disturbance	ferrous material
— linear trend	agricultural
— linear	former field boundary
● magnetic enhancement	geology
● magnetic enhancement	archaeology?
● magnetic enhancement	archaeology




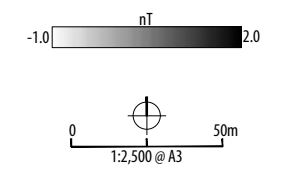
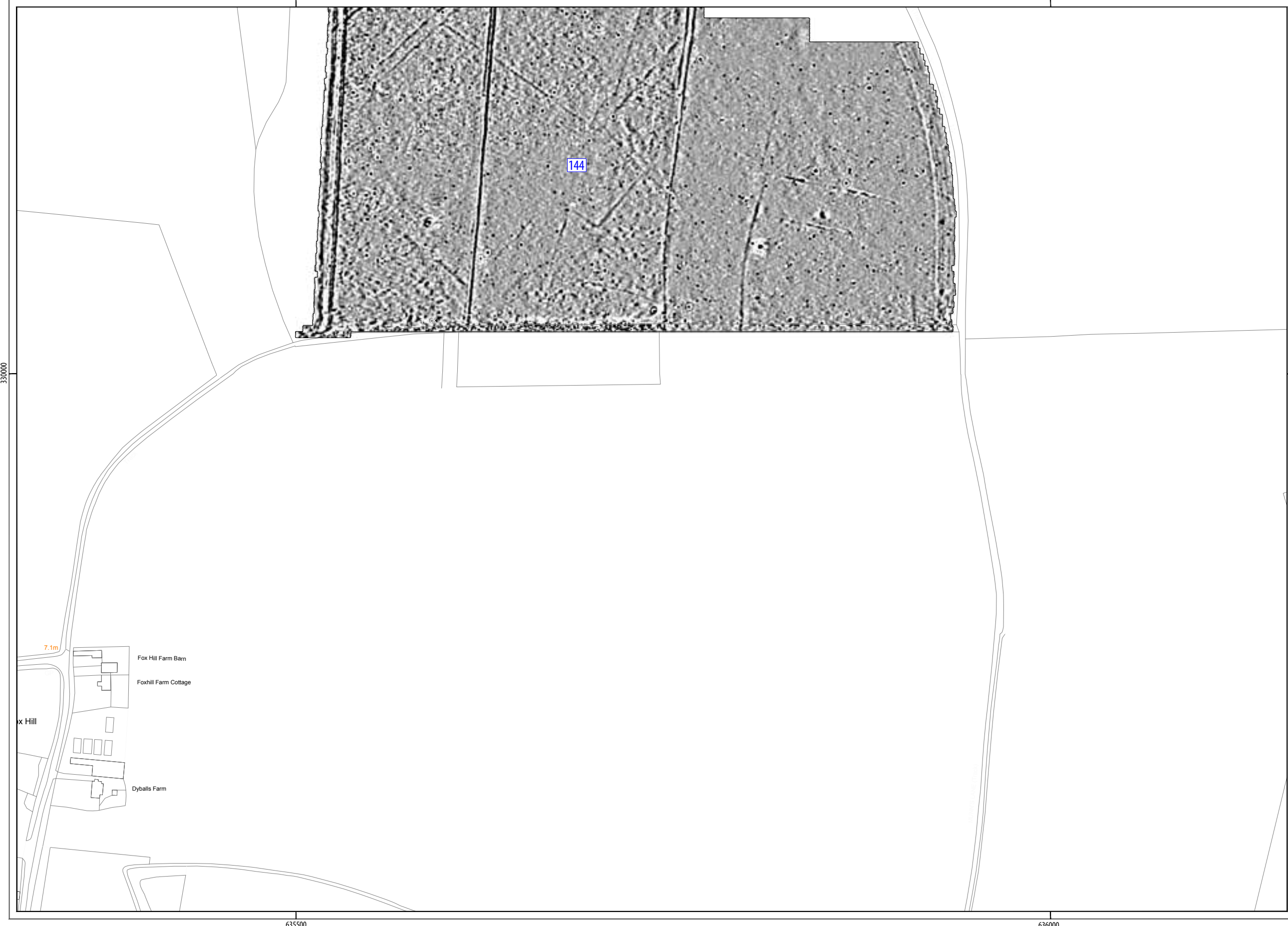
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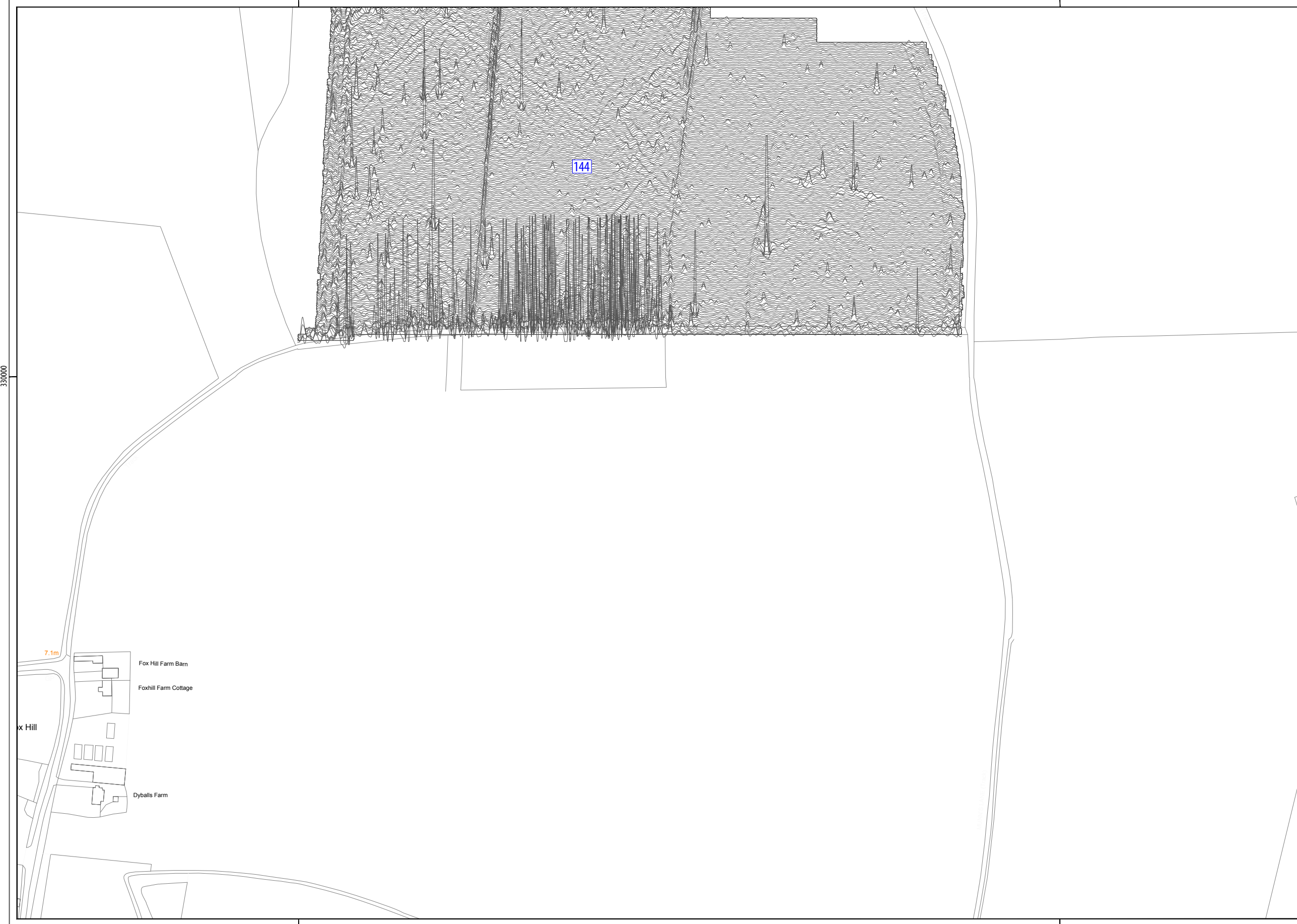


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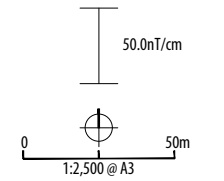
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norfolk vanguard red line boundary  
access route



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