

ANCIENT MONUMENTS LABORATORY - GEOPHYSICAL SURVEY REPORT

SURVEY: CHILBOLTON, HAMPSHIRE.

DATE: 18th. March. 1977.

Report no. G 0/77.

1. SITE

OS ref: SU 411391

Field no. 0006.

Location: Chilbolton Down.

Geology: Chalk.

Archaeological evidence: AP.

2. SURVEY

Object: To locate circular enclosure & any associated features.

(a) Resistivity survey Meter: Configuration: Spacing - probes: traverses:	1. Traverses	2. Area survey
	(b) <u>Magnetic survey</u> Type of survey: Automatic plotting Magnetometer: Fluxgate Chart recorder setting: 16 gamma/cm Logged for computing: no	

Survey grid measured to: Proposed alignment of gas pipe.

Located by: T. Schadia-Hall & M. McClean.

Plans/charts enclosed:

1: Site plan.

2: Interpretation of magnetometer survey.

3. RESULTS

The area surveyed is solely within the circular enclosure which is visible on aerial photographs. The southern and southwestern arc of the boundary of the enclosure passes through squares 2, 6 and 7 of the survey. The magnetic anomalies indicate that this is a curved ditch which varies in width between 1.5 and 2.0 metres. The course of the ditch is not well-defined in square 6, possibly since the magnetometer traverses were walked parallel to this section.

Only three small features have been observed outside the boundary ditch. These are probably pits. That in square 6 is the largest, being 2 metres across.

Within the surveyed part of the enclosure there are extensive, irregular concentrations of features. Probably, these all represent pits which vary widely in size from less than one, up to five metres across, and in shape from sub-circular to sub-linear. The anomalies are relatively enhanced in a few cases, perhaps due to the nature of their fill.

4. CONCLUSIONS

Subsequent to this survey a trench, and a smaller cut have been dug within squares 5 and 6 (by T.Schadla-Hall) to cross the line of the boundary ditch and to cover the sites of two pit features on either side of it.

Digging shows that the ditch in square 6 is 3 metres wide, the outer slope being convex, and proves that the other features mentioned are pits.

Surveyed by: A.David & P.Griffiths.

For: C.Bowen.

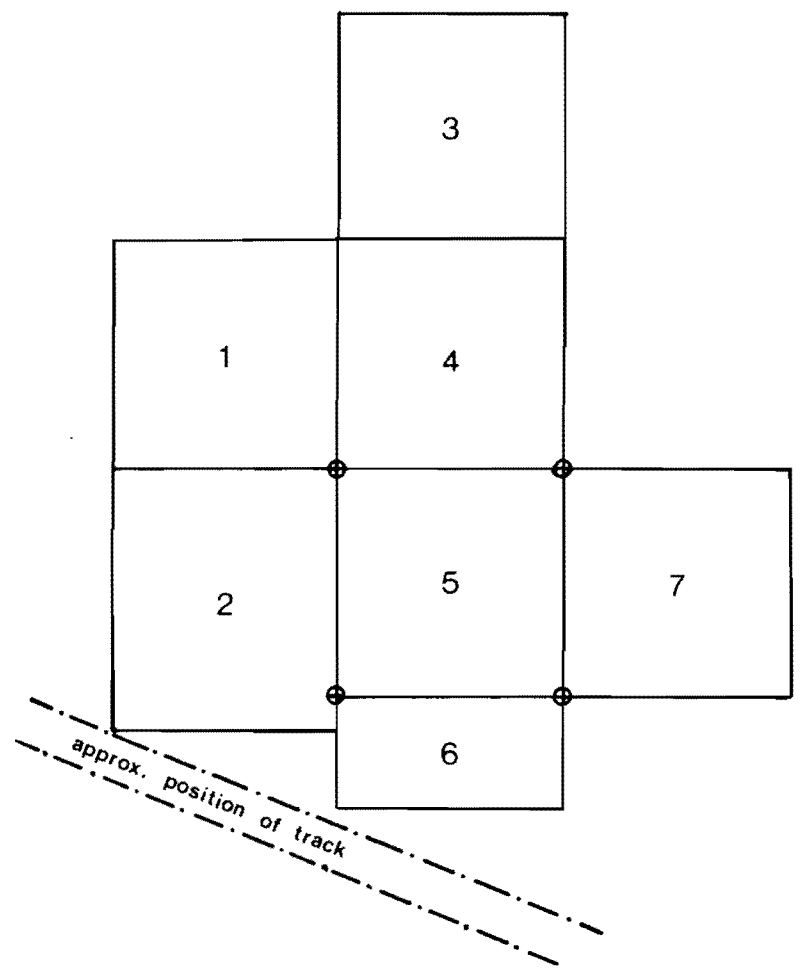
Reported by: P.Griffiths.

Date: 11th. May 1977.

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Site Plan of CHILBOLTON

1:1000



⊙ pegs left in.

CHILBOLTON, Hants.

SU 411391

Magnetometer Survey, 1977

1:400



⊕ pegs left in

Magnetic anomalies (in gamma):

■ > 5
▨ ≈ 5

