

SURVEY AND LEVELS DATA NOTE**(EX-PRO03) SOUMS: A2003.17**

Evaluation 22/10/03 – 23/12/03

The site survey was carried out by the MoLAS Geomatics team, who established 2D site control by EDM total station from existing Atkins OS control points on Priory Crescent. The evaluation trenches were topographically surveyed and localised grids set out in each trench.

The artifacts and features within the chamber grave in Trench 1 were recorded in situ by 3D topographical survey using a TCR305 REDM to establish 3D site control, based on the OS developer 3D control. Levels were calculated with reference to the Atkins OS control points on Priory Crescent.

Note on corrected value of TBM (checked by DS, DH & IDB towards the end of the excavation)

At the start of the excavation, a number of TBM's (temporary bench marks) were established proximate to the proposed evaluation trenches. During a subsequent cross-check during the course of the evaluation, these were found to have a collective error of (-70mm): the true values being 0.70mm higher than originally calculated. The error was the result of a miscalculation during the original traverse. The original incorrect, and corrected TBM values, are shown in the table below.

TBM No:	Location	Original (m OD) value	Corrected (m OD) value
1	Metal inspection cover over BH2 to east of Trench 1	20.81m OD	20.88m OD
2	Adjoining Trench 2	19.42m OD	19.49m OD
3	TBM on raised manhole cover by geophysics area (in area of unexcavated Trench 3)	17.82m OD	17.89m OD
4	TBM on manhole cover to north-east of Trench 4	15.34m OD	15.41m OD

**** NB: Although the majority of the levels shown on the reverse of the context sheets have been corrected, there are a number of sheets that remain to be corrected. These contexts can easily be spotted, as they will still have one of the original (incorrect) TBM values that are highlighted in yellow in column 3 in the above table**

Priory Crescent (EXPRO 03)
Base level data for Evaluation Trenches 1, 2 & 4

Trench 1			
Co-Ord	Surface OD	Base OD	Comments
587876.791/187368.420	19.71m OD	18.67m OD	Section (2) (N/W)
587886.758/187370.327	20.16m OD	19.00m OD	Section (1) (N/E)
587887.644/187366.512	20.49m OD	19.44m OD	Section (11) (E)
587892.109/187367.677	20.59m OD	19.55m OD	Section (11) (E)
587893.973/187360.913	c.21.09m OD*	19.62m OD	*(Estimated) (E)
587889.235/187359.324	20.99m OD	19.60m OD	Section (1) / Plan (E)
587889.982/187356.370	21.13m OD	19.49m OD	Section (1) (S/E)
587880.009/187353.549	20.52m OD	19.01m OD	Section (3) (S/W)
** NOTE Base of burial chamber approximate centre point co-ord 587886.900/187363.100		Relative flat base @ 18.20m OD	

Trench 2			
Co-Ord	Surface OD	Base OD	Comments
587873.097/187413.548	18.78m OD	17.86m OD	Section (5) (N/W)
587880.119/187414.115	19.10m OD	18.11m OD	Section (5) (N/E)
587881.501/187394.005	19.33m OD	18.06m OD (Base of Roman ditch)	Section (7) (S/E)
587874.540/187394.000	19.09m OD	18.27m OD	Section (6) (S/W)

Trench 4			
Co-Ord	Surface OD	Base OD	Comments
587848.640/187515.580	15.42m OD	14.27m OD	Section (8) (N/W)
587852.953/187517.483	15.43m OD	14.26m OD	Section (10) (N/E)
587855.533/187512.272	15.81m OD	14.65m OD	Section (9) (S/E)
587850.870/187510.353	15.74m OD	14.69m OD	Section (9) (S/W)

Co-Ords of trench corners related to surveyed trenches by MoLAS Geomatics using the Atkins grid supplied. Level data all @ mAOD, based on site TBMs traversed into the site from the Atkins levelled Station data.