

SURVEY AND LEVELS DATA NOTE

XSM10

Evaluation/Watching brief and Excavation 20/02/2010 – 16/5/2015

The locations of the 16 trenches and the 3 main areas of excavation were set out by the MOLA Geomatics and the remaining watching brief pit/trenches were set out by the Principal Contractor and the data relayed to MOLA digitally in DWG file format on London survey grid (LSG). Additions or reductions to the trenches' footprints were then surveyed by MOLA staff on site, offsetting from known points, and amendments were made to the digital plans by MOLA Geomatics department. In some cases, areas of watching brief were located measuring from standing buildings and annotating supplied plans, later on tied to OS grid by MOLA Geomatics.

All features within the trenches and sections were mainly drawn at 1:20 by MOLA staff on site. MOLA Geomatics then digitised this information and added it to the trench plans. Levels in m ATD (Above Tunnel Datum = Ordnance Datum +100m) were marked at fixed points near the trenches by Crossrail engineers. From these, heights of sections and features within the trench were surveyed by MOLA staff using optical surveying equipment.