



CROSSRAIL INFORMATION PAPER

D7 – MAINTENANCE OF PUBLIC UTILITIES

This paper sets out the approach to be adopted to minimize the disruption to utilities services during Crossrail construction.

It will be of particular relevance to those in the vicinity of the proposed Crossrail works.

This is not intended to replace or alter the text of the paper itself and it is important that you read the paper in order to have a full understanding of the subject. If you have any queries about this paper, please contact either your regular Petition Negotiator at CLRL or the Crossrail helpdesk, who will be able to direct your query to the relevant person at CLRL. The helpdesk can be reached at:

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1. Introduction

- 1.1 This information paper sets out the Promoters approach to minimising the disruption to utilities services.
- 1.2 The Promoter will affect the equipment of a large number of utility companies – it is estimated that up to 12,500 utility mains and services are contained within the area affected by the Crossrail works.
- 1.3 Crossrail has been in discussion with utility owners and operators during the development of the project and will seek to develop design and construction arrangements that keep the disruption experienced by utility operators and their customers to as low a level as is practicably possible.

2. Assessment of Impact on Utilities

- 2.1 In developing the project, the Promoter has taken account of the extent of the utility (water, sewerage, electricity, gas, telephone and other underground services) equipment affected. A sequence of actions to investigate and assess the impact of the scheme has been established;
- develop a clear understanding of the infrastructure and services above and below ground in the area around the planned route;
 - overlay the planned Crossrail construction works, to understand exactly which utilities are affected and the extent of the impact;
 - investigate whether, by changing the design or the construction methods of the railway it is possible to avoid the impact on the utilities; and
 - where conflicts cannot be avoided, develop designs to strengthen or divert the affected utilities out of the way of the railway in partnership with the utility companies.
- 2.2 These processes are expected to produce proposals for the diversion of a significant number of utility mains and services, but substantially below the total of 12,500.

3. Implementation

- 3.1 Where changes in utility infrastructure cannot be avoided, the nominated undertaker will agree arrangements with the owner of the equipment to be relocated either temporarily or permanently outside the area of the Crossrail works. In some instances the apparatus may be surplus to requirements and can be decommissioned.
- 3.2 Wherever possible, when the work is carried out the new equipment will be installed and commissioned before the existing infrastructure is disconnected but there may be circumstances where a period of disconnection will be essential to allow safe completion of the work. In these circumstances, the nominated undertaker would agree appropriate arrangements (such as planned night-time or weekend closures) with the relevant utility operator.

3.3 The nominated undertaker will endeavor to identify and protect all utility plant and equipment affected by the project. On a site specific basis, this will include preliminary site investigations during the design phase to confirm the extent and exact location of underground infrastructure to confirm the accuracy of existing records. Even with these precautions, there is a risk that unrecorded infrastructure will be encountered unexpectedly, in a city as densely developed as London. Before starting construction the nominated undertaking will establish procedures with the utility operators for the management and mitigation of unforeseen events.

4. Community Liaison

4.1 The nominated undertaker will require contractors undertaking utility diversions to establish and maintain community liaison arrangements with the owners and occupiers of property affected by their work. This will be supported by the Crossrail 24-hour helpdesk (for further information see Information Paper F3, Community Relations).