

Client	LB Haringey
Contract Title	Cranwood

CONSTRUCTION PHASE PLAN

CRANWOOD

Emergency Preparedness Plan

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Appendix A: Emergency Contact Numbers.

1 Introduction

This plan has been produced along with the Ground Movement Assessment carried out by MWP for the Cranwood House project and to support in obtaining Thames Water build over approval for the proposed works.

There are currently two Thames Water Assets which traverse the site.

Asset 1 is a 300mm diameter Foul water Sewer which enters the site at the north-west corner and exits mid-way down the east side of the site to Muswell Hill Road. This asset is at an approximate depth of 5.0m to the crown of the pipe.

Asset 2 is a brick services tunnel which carries a number of water pipes presumably to the Thames Water facilities and underground reservoir located some distance to the west of the site along Woodside Avenue. This tunnel is an oval shaped brick structure the crown of which is approximately 3.90m below ground level.



Figure 1 Aerial View of Site indicating TW Assets. Cranwood House (yet to be demolished) can be seen to have been built over the 300mm diameter Foul water sewer.

2 The Development

The existing 2/3 storey buildings are to be replaced with a mix of 3, 4 and 5 storey blocks as indicated in the Architects Floor plan provided in Figure 2 below.

Based on the above plan it can be discerned that the 300mm diameter Foul Water sewer will be build over by Block A which has five storeys. The Tunnel which is located to the south of the site will not be built over

and will be located in predominantly landscaped areas with only a small section overlain by the access road and car parking which is similar to the previous layout and loading.

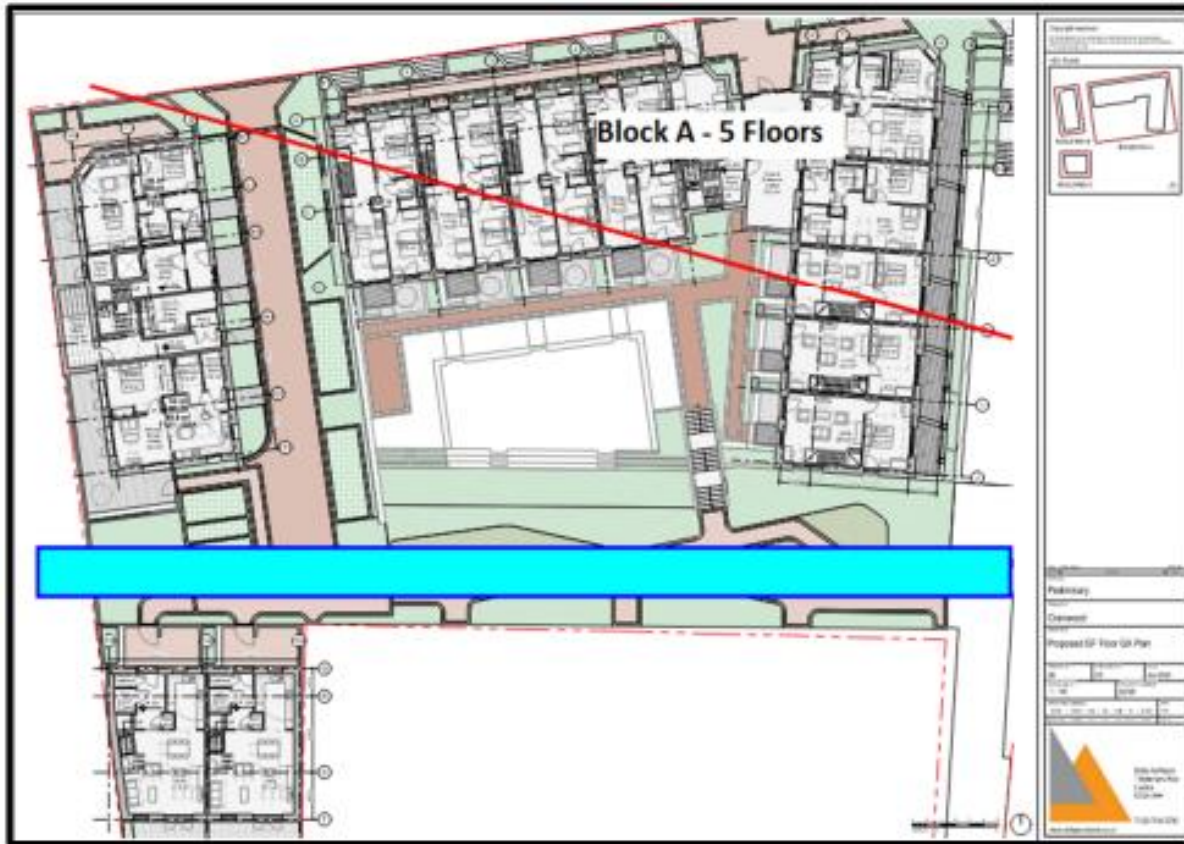


Figure 2. Architects Layout Plan with TW Assets added

3 Control of Works

Controls and safe systems of work will be instilled to ensure:

- No piling to be carried out by a piling rig located above the Thames Water Tunnel. A piling rig traverse the tunnel; however, the Engineer is to check that this does not impose a load greater than 7 KPa at the tunnel crown.
- No crane mats to be placed over the tunnel unless the imposed load at the tunnel crown is less than 7 kPa.
- The tops of all piles within the 45 degree zone of influence from the invert of the 300mm diameter Foul Sewer or the Tunnel is to be sleeved to below the cone of influence.
- Where piles are located within 3.0m of the 300mm diameter Foul sewer, additional precautions are to be put in place to ensure the verticality of the bore, excessive vibration is to be avoided, in the event of an obstruction being encountered the obstructions should be investigated to determine the nature of the obstruction before proceeding.
- Where excessive concrete requirements are encountered within the bore the work should stop and the cause investigated immediately to ensure that no concrete enters the Foul Sewer or the Thames Water Tunnel.

4 Vibration Monitoring Strategy

We will be monitoring vibration during the construction of the sub structure above ground.

We have installed 1no vibration monitor in the location identified in Fig 3 and will be monitoring vibrations throughout the sub structure works.

Trigger levels are set at 1.0 mm/s PPV for each of the three axes (X, Y, Z) as well as the resultant vector (R).

Amber - 1mm/s PPV

Red – 3mm/s PPV

This is to ensure that we are proactive in minimising vibration, following good practice and keeping within acceptable limits to reduce potential impacts to surrounding buildings and receptors.

At the amber trigger level, Thames Water should be informed of the breach and the agreed mitigation action should be shared.

At the red trigger level, the relevant emergency Thames Water contacts should be informed, and work should be stopped immediately.



Fig 3 Vibration Monitor

5 Emergency Contacts

In the event of an emergency relevant to the Thames Water asset the appropriate Thames Water contact number as detailed in Appendix A - Emergency Contacts, will be utilised.

6 Post Completion of Structural Works

Upon completion of the structural works a CCTV survey of the 300mm diameter foul sewer will be carried out by FDB and issued to Thames Water.

A Thames Water Operational Authority (TWOSA) will be for the CCTV survey.

Appendix A: EMERGENCY CONTACT NUMBERS

EMERGENCY AND MEDICAL SERVICES		
SERVICE	TELEPHONE	EMERGENCY
Police	999 or 112	999 or 112
Accident and Emergency – North Middlesex University Hospital	+44 20 8887 2000	999 or 112
Fire Brigade	999 or 112	999 or 112
Ambulance	999 or 112	999 or 112
ENFORCING AUTHORITIES		
AUTHORITY	TELEPHONE	EMERGENCY
HSE	0845 300 9923	0207 556 2100
EA (Hotline)	03708 506 506	03708 506 506
SERVICES AND UTILITY SUPPLIERS		
SERVICE	TELEPHONE	EMERGENCY
Thames Water 24 Hour		0800 316 9800
Thames Water Waste Control		0800 009 3908
Thames Water Clean Water Network		0800 009 3909