H667 Pr Date 18¹

Norwood Road Presentation - Trunk Main Installation

Project Ref: H667 04

Presenters:

Graeme Oddy – Senior Traffic Manager

Mo Arshid – Site Manager

Aghogho Amelia Asagba – Customer & Stakeholder Co-ordinator





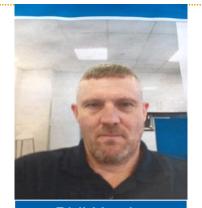
Your Team on Norwood Road

(The dream Team)





Graeme Oddy Senior Traffic Manager



Phil Hawley Construction Manager



Ian Welch Project Manager



Mo Arshid Site Manager



Dan Walsh Construction Manager (Instalcom)



Dean Freedman
Construction
Manager
(Instalcom)

H667-004 Norwood Road - Reasons for Replacement



- ➤ Why To address flooding issues, due to multiple failures in the vicinity of junction of Palace Rd/Leigham Vale resulting in flooding Lupin Close
- ➤ Why The existing 21" cast iron trunk main was installed in 1890 & due to age and fatigue has a history of bursts.
- ➤ Why Numerous samples and test have been completed & indicate that the main is in poor condition.
- Area to be renewed Tulse Hill to Robson Rd.
- ➤ Why Open Cut The existing trunk main is to small a diameter to slip line & would not provide sufficient volume for the current population.





Leigham Vale Bursts Oct & Dec 2016





Lupin Close



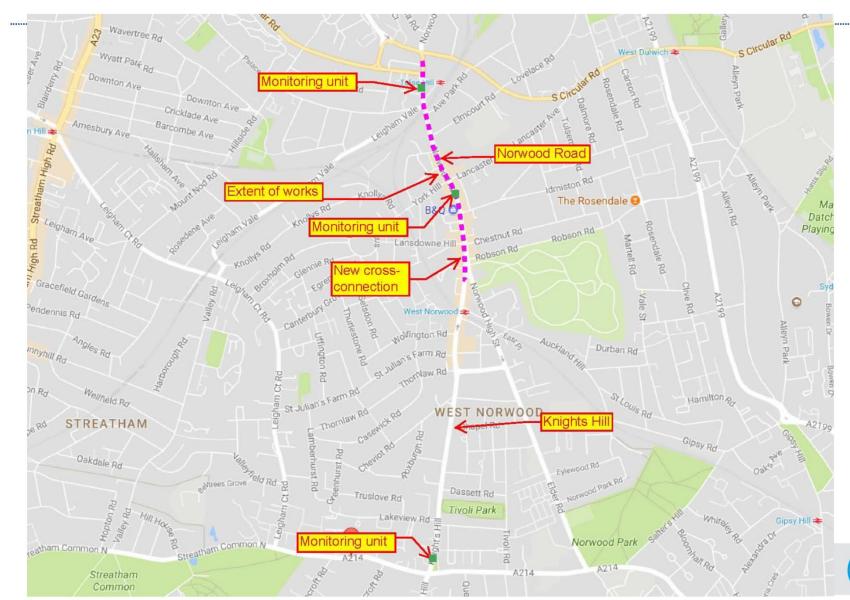
Palace Road/Norwood Road





Project Overview









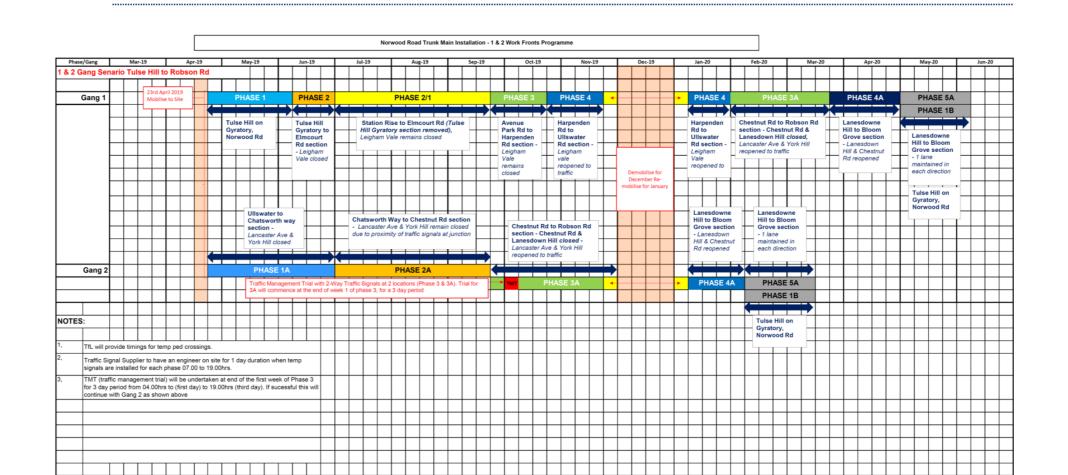


- ➤ What needs to be done Open cut 840m to install new 600mm ductile steel epoxy resin coated trunk main in sections working north to south.
- ➤ Install 3 No chambers for monitoring flows & pressures.
- Connections at each end of the new trunk main
- ➤ To Minimise impacts and duration 2 work fronts have been proposed (Tulse hill to Lancaster Ave & Lancaster Ave to Robson Rd
- Norwood Road Final scheme of 3.TW investment of £14m into 3 projects (Norwood Road final section) to give network resilience & future proofing.

Where are we now?



Project Programme – Starting on 23rd May 2019



Where are we now?



Phase/Gang	Mar-19 Ap				Apr	or-19 May-19					Jun-19					Jul-19				Aug-19				Sep-19		
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Phase 2/1 & 1A Challenges (Unchartered Services)



- Low pressure 18" Gas Main
- Existing 8" Cast iron water main (below Gas)
- 640mm between Gas & Water pipes
- Hand dig around existing services
- Redesign of trunk main to go below existing
- Existing water pipe burst by Parade Mews

Phase 2/1 Pipe Burst







Phase 2/1 Pipe Burst





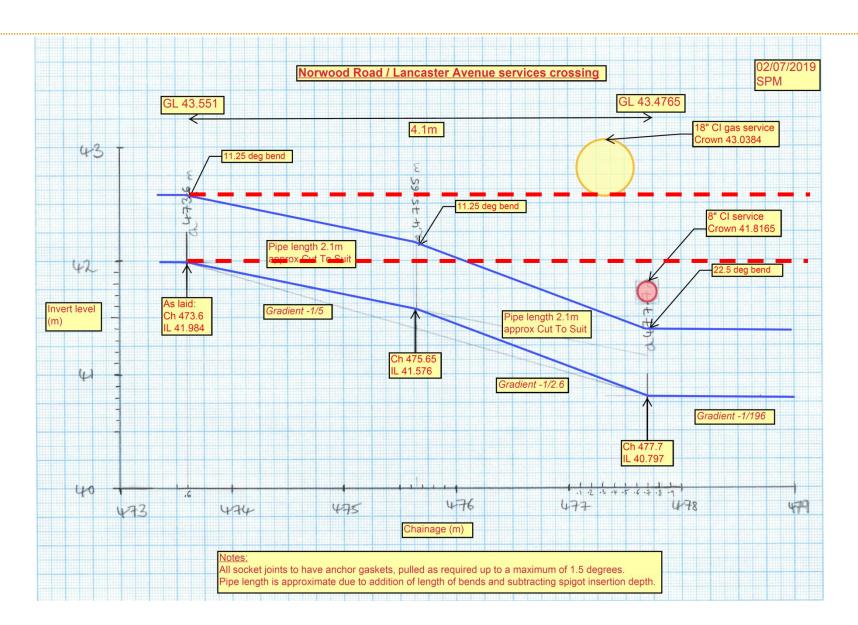
Phase 2/1 Pipe Burst



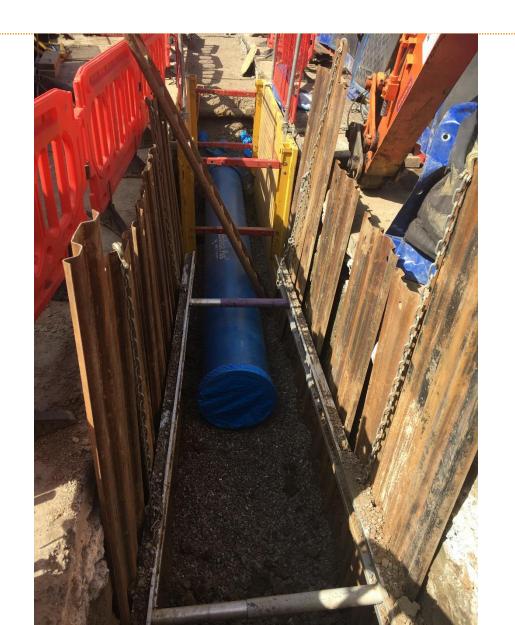


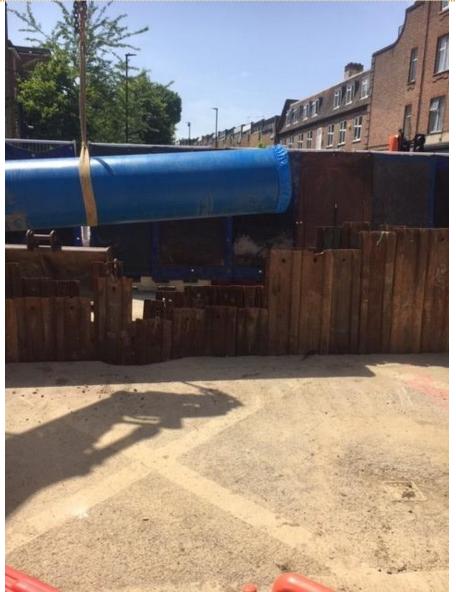
Phase 1A Challenges (Unchartered Services)











H667 Priority Trunk Mains Rehabilitation – Options 1 & 2 Work Areas



