

Northern Line Extension

Kennington Green Community

Liaison Group

29.06.15











NLE Project Draft timetable

Year	Key milestones
2014	Transport and Works Act Order decision, Design & Build contract signed
2015	Agreement on Code of Construction Practice Part B, Start of main works at all sites
2016	Start of Tunnel Boring Machines
2017	Completion of tunnelling
2018	Fit out of new stations, Kennington shafts complete inc reinstatement, work at Kennington station complete
2019	Testing, commissioning, trial operations
2020	NLE complete and in service



Summary Update March-June 2015





1) Cabin install at Montford Place



2) Traffic Management in place



3) Multi Utility Trench



4) Installation of Substation bases



5) Service trial holes



6) Montford Place Compound Set-up



Kennington Green look ahead



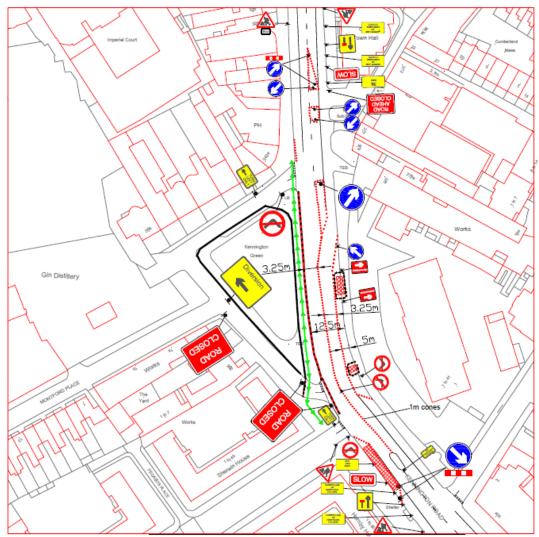
Year	Key milestones
Jun – Aug 15	Commence Auger Bore under Kennington Road
	Commence Hoarding on Green
	Removal / Planting Gingko tree
	Install Traffic Management for north and south utilities works
	Install Piling Mat
	Place order with Piling contractor
Sep – Nov 15	 Complete pre-construction utilities diversionary works
	Install guide walls
	Commence Secant Piling
	Demolish Chivas wall by Montford Place



Traffic Management Kennington



Green





Traffic Management Kennington Green





1) Pedestrian footpath reopened



2) New Traffic Management Plan

3) Multi utilities reinstated





Thank You



Ground Investigation



- FLO is in the RIBA 4 design process with TfL further developing effective solutions for the design and build of the NLE project.
- Compensation grouting has been removed from programme.
- Ground conditions for tunnelling predominantly London Clay. An ideal tunnelling medium.
- Groundwater/ step plate junction within a full face of impermeable London Clay.



Code of Construction Practice Part B

- Joue of Construction Fractice Fart D
- The Code of Construction Practice was approved by the London Borough of Lambeth in May
- The requirements of the Code of Construction Practice parts A and B have been incorporated into the FLO practices and procedures
- Core working hours are from 08:00 to 18:00hrs Monday to Friday and 08:00 to 13:00hrs on Saturdays





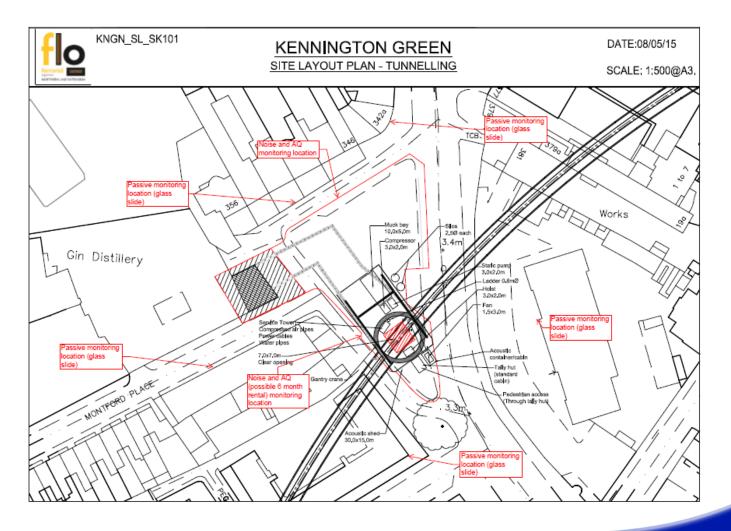


- Noise (and air quality) monitors will be installed on the site hoarding, (once agreed with LB Lambeth). This will complement the attended monitoring currently being undertaken.
- Noise predictions show that an acoustic shed will needed to minimise the noise associated with 24/7 tunnelling works.
- For all other activities a standard height hoarding (2.4m) will provide sufficient screening to meet the requirements of the NLE Construction Noise Mitigation Scheme



Proposed Noise and Dust Monitoring Locations







Acoustic Shed at Kennington Green [O

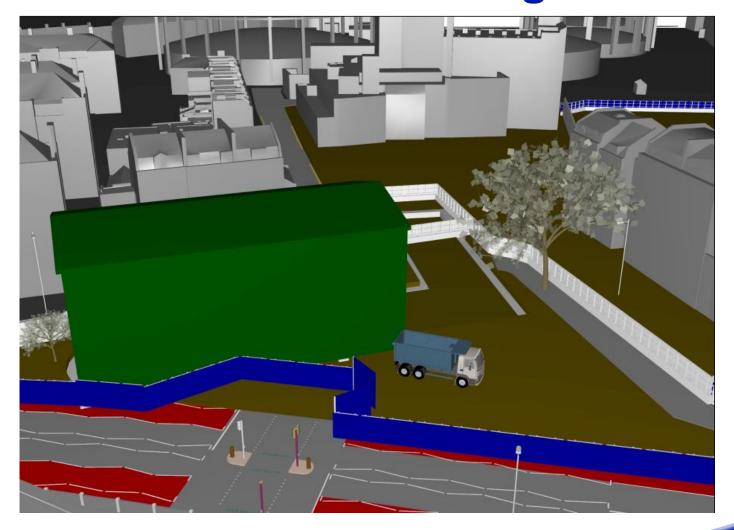






Acoustic Shed at Kennington Green O

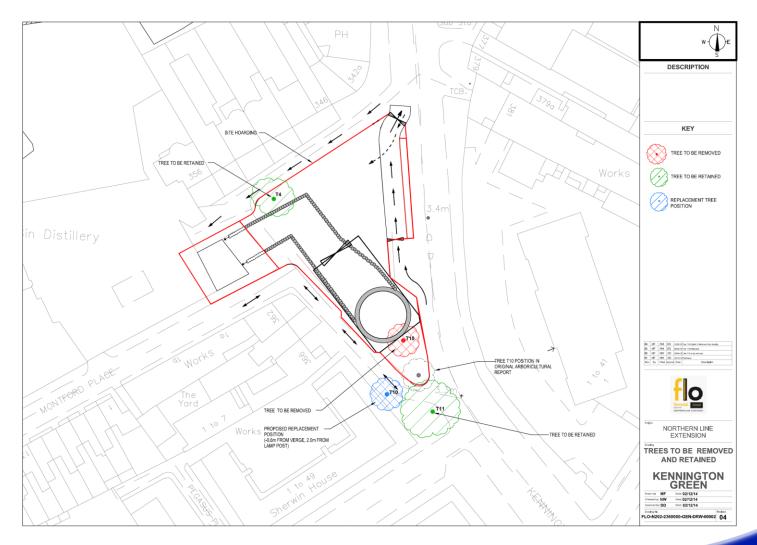






Tree Works at Kennington Green







Instrumentation & Monitoring



- Consultants finalising damage assessments which will inform the detailed monitoring scope – which is crucial for programme success required in this period.
- Monitoring tender returns are currently under review. Monitoring subcontract award is imminent.
- Installation of ground monitoring studs around shaft area commenced April 2015. Base readings have been taken.
- A minimum of 4 weeks notice will be given to building owners prior to the installation of monitoring equipment.
- Monitoring equipment will comprise Building Research Establishment (BRE) studs (structure levelling studs) and 3D geodetic prisms.



Monitoring techniques Buildings – Real time data:





3D geodetic prisms



Automatic Total Station (ATS)

Prisms

ATS: an electrical/optical instrument used in modern building construction to measure slope distances from the instrument to a particular point.



Monitoring techniques Buildings – Manual data: BRE studs (structure levelling studs)







Hoardings Kennington Green

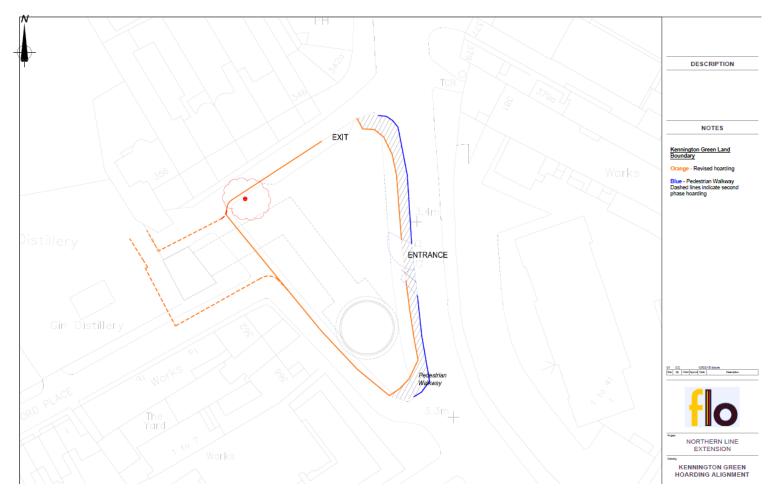


- Permanent hoardings to be installed at Kennington G.
- 2.4 metres high
- Corporate TfL standards followed
- 24/7 Helpdesk contact details to be presented at all hoardings / Notice Boards
- Installation of graphic work later in the year.
- Pattern sympathetic with the environment



Hoardings at Kennington Green







Defect / Condition Surveys

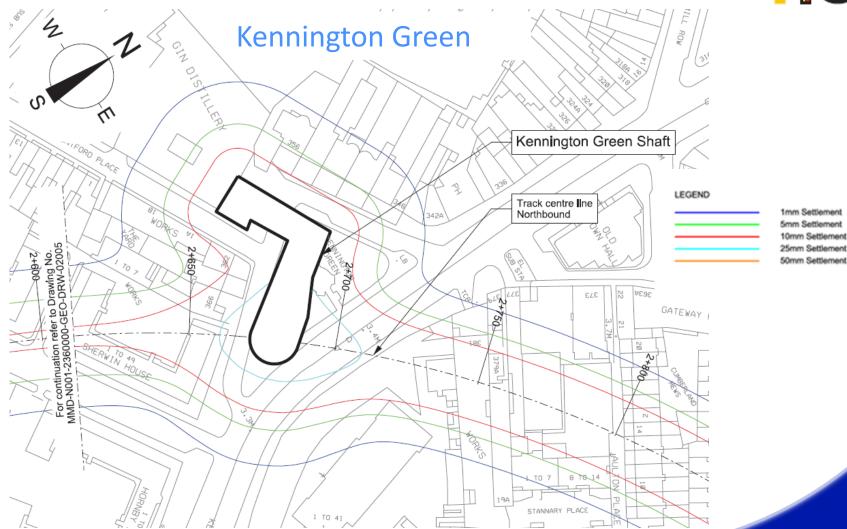


- To be undertaken on properties predicted o <u>experience 1mm or more</u> <u>settlement.</u>
- TfL has started contact to affected properties via introductory letter.
- Subcontract has been awarded and is CPM Surveys Ltd.
- Around shafts, surveys will commence in July/August to ensure they are undertaken no earlier than 12 weeks, and no later than 4 weeks prior to the commencement of construction of the relevant part of the works.
- In areas of Spray Concrete Lining (SCL) works and Step Plate Junctions surveys will be undertaken at a later date in advance of construction (second half of 2016 and first half of 2017)
- Where necessary, a second survey will be undertaken to establish the difference between the two assessments. Photographic and written.



Settlement Contours

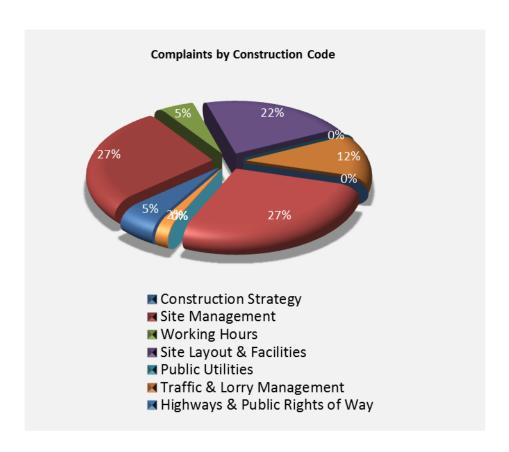






Kennington Enquiries Summary March – June 2015





- -> 43 enquiries complaints Kennington Area. From March - June
- -> Road Safety / Traffic Management Site management
- -> 98% Closed
- Positive feedback from Drop-in sessions and complaints handling
- Detailed list of complaints and enquiries with Local Authorities



Updates and newsletters



- Monthly Activity Updates sent out 29 May and 12 June 12. Invitation for a Drop In sent 15 June
- Via letter drop and emailing list
- NLE Quarterly newsletter to distributed mid June
- Drop in session held at Bishop House Nursery on 18 June
- Positive feedback received from attendants
- Future drop in to be scheduled in due course



Kennington Green Updates / Newsletters







Northern line extension

MONTHLY UPDATE June 2015

Kennington Green

Thank you for your patience while we continue to set up the Northern line extension (NLE) Kennington Green worksite in your area. As works are progressing, we would like to give you an update on what has been achieved so far and advise you of the main act wities planned for June 2015.

We are continuing with the diversion of utility services along Kennington Green. The pedestrian route adjacent to the Green will be closed once the pavement by the properties opposite the Green (Kennington Road) is reinstated. This will happen imminently as the British Telecom works are now complete.

At the beginning of June, we are planning to close the northern entrance of the Green (Kennini one week. This is to carry out utility works by 34.2 Kennington Road ("Papa John's"). The south Green will be opened and pedestrian and vehicle access to properties and driveways will be ma times. Please see diagram overleaf. We expect water, gas and telecom services to be uninterru

Within the main: construction site, we are planning to lay a pilling mat. This is a platform area th ground reinforcement ahead of pilling works. This should not be particularly noisy and we will a activity within core construction hours.

Our Core working hours are: Monday to Friday 0800 to 1800 and Saturdays 0800 to

We have incorporated a safe pedestrian route adjacent to the Kennington Green site fencing. I hoardings will be installed later this summer to endose the site. This installation along with the pathway adjoining Montford Place and Kennington Green will allow us to keep the site more α

During May, it became apparent that the Gingko tree needed to be removed following speciali map). This will take place over the coming weeks and options to plant a replacement tree are b with residents in the local area. The Tree of Heaven will be pruned so that it is not in line of any construction works taking place and can continue to flourish.

Your feedback is important to us. The next Kennington Green Community Liaison Group will to Monday 29. June (venue to beconfirmed). If you have any questions about the work's listed about tend the next Community Liaison Group meeting, please contact us.

We will endeavour to minimise disturbance and will manage the work in accordance with the C Construction Practice, including the control of noise, vibration and dust using best practicable

If you have any concerns or queries, please contact us at nie@tfl.gov.uk

or call our 24/7 helpdesk on 0343 222 2424

Ref: FLO-N143-2360000-COM-NTF-00005







Northern line extension

INVITATION

15 June 2015

Kennington Park & Kennington Green Information Day — Thursday 18 June 2015 — Bishop House Children's Centre, 5 Kennington Park Place — Entrance via Harmsworth Street

The Northern line extension (NLE) site set up has now commenced along the route and we would like to invite our neighbours in the Kennington community to visit our Information Day. This is an opport unity to find out more about the project in general and to talk to represent atives from the Project Team. The Information Day will be held between 9:30 am and 6:00 pm in the Foyer of Bishop House Children's Centre, 5 Kennington Park Place, London SE114AS (entrance via Harmsworth Street).



If you have any queries, please contact us at nle@tfl.gov.uk or call our 24/7 helpdesk on 0343 222 2424.



NLE Newsletter June 2015



Northern line extension

Issue 3 • June 2015



Prep work starts at all NLE sites

Work to prepare the Kennington Green, Kennington Park, Nine Elms and Battersea Power Station NLE sites began in March. This follows the approval of the Code of Construction Practice Part B by local authorities. The Part Bs are tailored to the nature of the works planned at each site.

This is a major accomplishment for the project team and has been achieved through hard work and collaboration with the local authorities as well as very useful feedback from residents along the route.

Work in the last three months at these sites includes-

- Clearing the site
- · Setting up for new site accommodation
- · Checking the ground for obstruction
- Archaeological and ordinance survey
- Utility diversions
- Installing temporary hoardings
- Implementing traffic management

Kennington

We are creating two permanent shafts at Kennington Park and Kennington Green to provide ventilation, cooling and emergency access to the tunnels

At Kennington Green, temporary fencing has been installed and site offices have been established at the Montford Place support site. Utility diversion works are ongoing and the traffic is being managed accordingly. We have been working closely with utility services and the local authorities to ensure we keep disruption to a minimum.

Work over the next three months includes:

- · Continuing utility diversions
- · Putting up permanent hoarding
- · Tree removal and lopping



At Kennington Park, we have been busy clearing the site and conducting archaeological and ordinance surveys. Diversion of utilities in this area has also started, including diversion of a major gas

Work over the next three months includes

- · Relocating the pedestrian entrance at Bishops House Nursery
- · Continuing utility diversions
- · Installing permanent hoardings
- Demolishing the Lodge

We are building a new Underground station at Nine Elms near Pascal Street and Wandsworth Road

The boiler house on site has now been demolished. Material from the demolished building is now being re-processed to use in the piling mat (which is the base from which the excavation of the station box is formed)

Works over the next three months include

- Power diversions and installation of a new power feed to the site
- Delivery and fitting out of site offices
- · Continuing construction of the piling mat and quide walls
- . Demolition of Covent House and Banhams Security building





Community Liaison Groups

The following Community Liaison Groups meet regularly to provide residents, businesses and councillors with an opportunity to find out more about the

- · Kennington Park and Newington
- Kennington Green
- · Nine Elms and Oval
- Battersea
- · Core Group An overall liaison group that considers route-wide

Residents are welcome. Presentations, minutes and details of upcoming meetings are on our website tfl.gov.uk/northern-lineextension.

Transforming the Northern line

The extension includes more than 3km of new tunnels connecting to the existing Northern line at Kennington and two new Underground stations at Nine Elms and

The extension is part of a massive investment programme to transform the Northern line which includes:

- . A signalling upgrade which has achieved a 20 per cent increase in capacity through central London
- A 24-hour Tube service on Fridays and Saturdays from September
- · Plans to rebuild Tube stations that are critical to improving capacity and supporting regeneration. These include Tottenham Court Road, Bank Camden Town and Elephant & Castle

Staying in touch

For more information and to register for updates on the scheme, visit tfl.gov.uk/northern-line-extension

You can also email the project team at nle@tfl.gov.uk or call our helpdesk on 0343

Timeline

Transport and Works Act Order decision Main works start Tunnelling starts

Tunnelling complete Station fit out

Testing and commissioning

Extension in operation

MAYOR OF LONDON







Skills and apprenticeships



- Skills & Employment Strategy, Delivery Plan for Schools and Young People on-going
- FLO to host 5 Work Experience Students from Ernest Bevin College, Wandsworth. Starting 22 June 2015.

Employment/Skills/Diversity on the NLE programme

- FLO is working in partnership with TfL and the local authorities including the Nine Elms Vauxhall Strategy Board Employment, Training & Business Charter, Wandsworth Chamber of Commerce and Nine Elms Supply Chain
- Make sure employment/training opportunities are advertised within the job opportunity/brokerage schemes operated by Southwark, Lambeth & Wandsworth councils
- Encourage job starts for workless people in London, placement & taster positions, apprenticeships, skills development for staff, engagement with schools



Jobs and Business Opportunities



- FLO has created a working group with Local Authorities and local brokerages to ensure opportunities are advertised and promoted locally
- LEAP Group; <u>Local</u>
 <u>Employment and Procurement</u>
 <u>Group NLE</u>
- Small and medium business had the opportunity to meet with major contractors at an event in BPSD. FLO in attendance.
- FLO continues to engage with small and medium companies through events and endeavours to recruit / source locally when possible.





Community engagement strategy



- Draft Strategy 6 month Look Ahead. Tabled.
- Includes community comments and forecast activities
- 6 months look ahead include:
- Engagement with local groups
- Community Drop-in sessions
- School activities to stat within the next period.
- Identification of new resident groups within the Kennington area



Consents



Key approvals granted since the last CLG meeting	
Code of Construction Practice Part B (planning condition 7) – all sites	L B Lambeth, Wandsworth
All sites – application to discharge planning condition 10 - Archaeology – all sites	L B Lambeth, Wandsworth
Approval of the Yellow Box Junction (planning condition 18) – Kennington Park	LB Southwark
Marine approvals (TWAO protective provisions) - Battersea	Environment Agency, Marine Management Organisation, Port of London Authority

Current applications under determination	
Removal of a single tree (planning condition 5)– Kennington Green	LB Lambeth
Application for the fixing of monitoring to Listed structures (planning condition 11)– Kennington Park and Kennington Green	LB Lambeth and LB Southwark

