

Northern Line Extension

Core Community Liaison

Group meeting

22 / 02 / 2017

Delivering the Northern line extension with

ferrovial
agroman



MAYOR OF LONDON

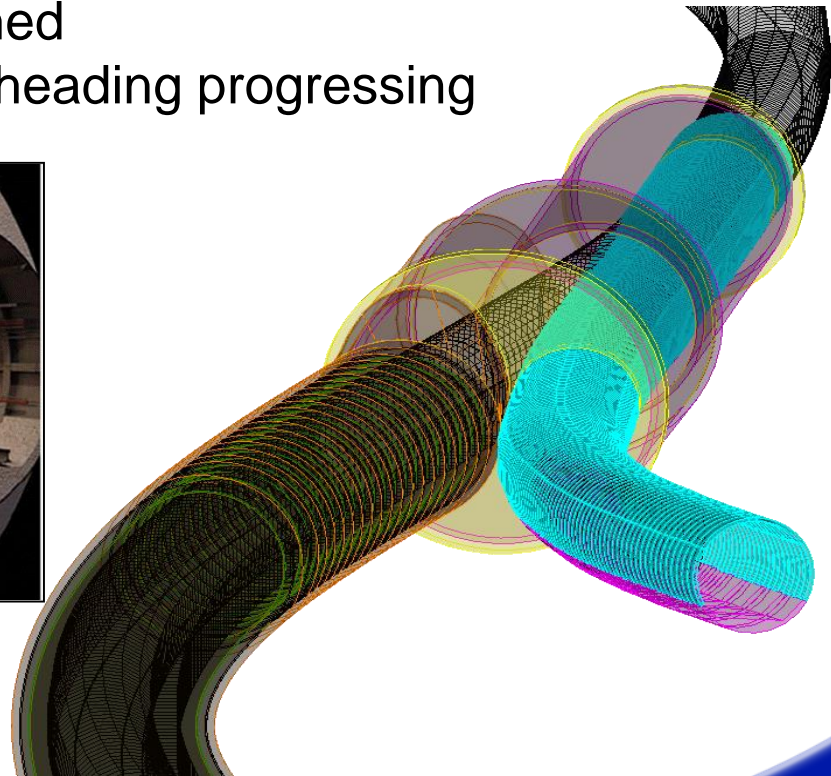


TRANSPORT
FOR LONDON



Kennington Summary Update Oct - Jan 2017

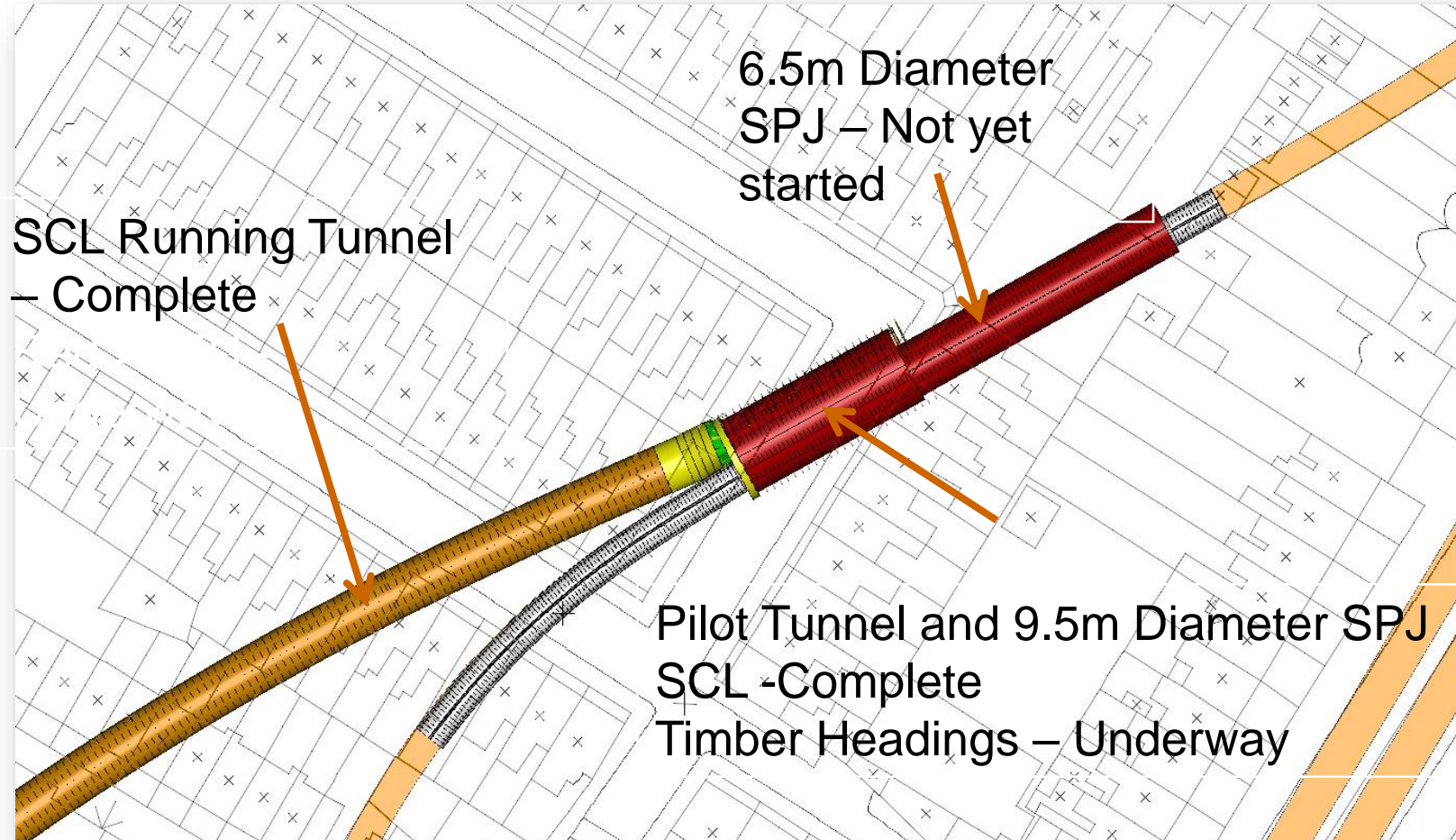
- Update on Progress of Kennington Tunnelling
 - SCL Tunnelling Works finished
 - Step Plate Junction Timber heading progressing



Summary Update Oct - Jan 2017



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Summary Update Oct - Jan 2017



SCL Pilot tunnel
Complete



Spray concrete lining (SCL) Complete

Summary Update Oct - Jan 2017



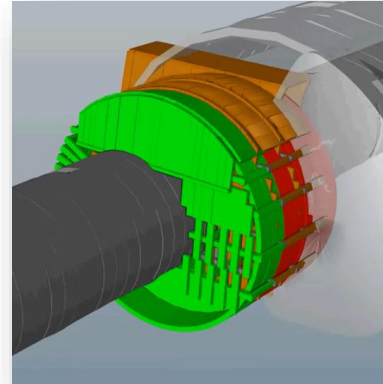
Sprayed Concrete Lining SCL
Completed in Park and Green



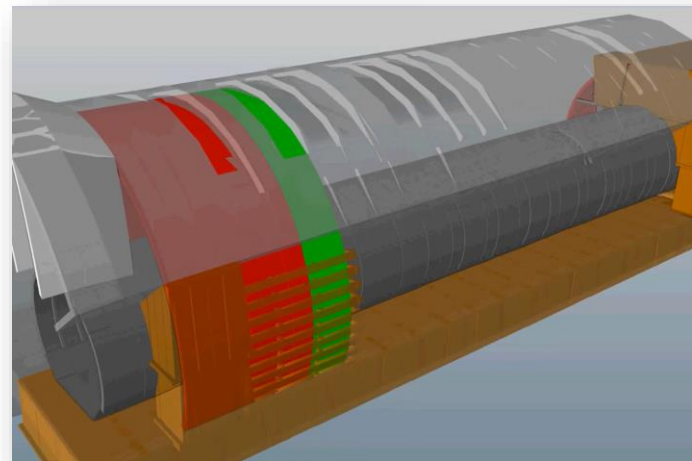
Timber Headings underneath Kennington Loop
Complete in Park and green SCL section

SPJ Look Ahead

- timber headings on the 6,5m D and SGI rings erection
 - Started
 - Completion April'17
- 9,5m ring erection:
 - March-Aug '17



SGI ring installation



Headwall construction

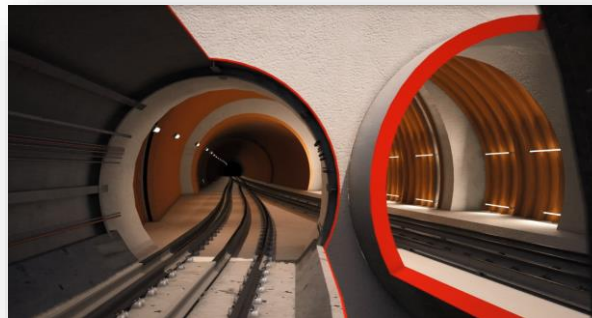
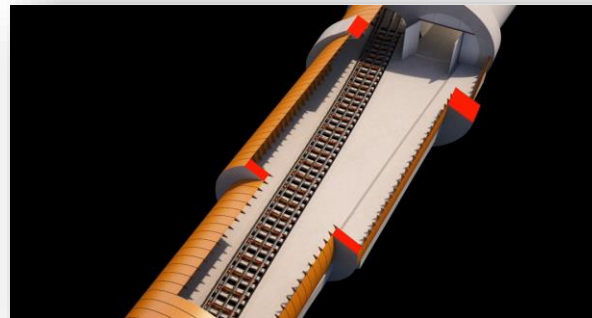
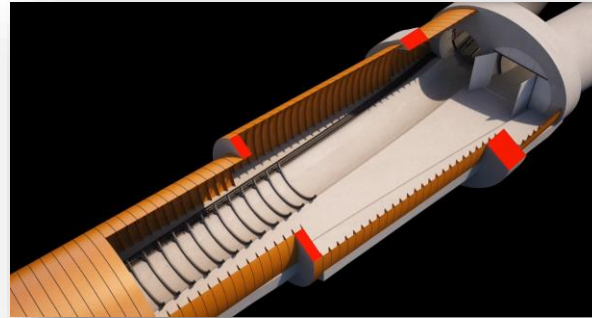
Kennington weekend possessions

Possessions for delivery of NLE Track works to tie into Kennington Loop are planned for:

- 3 x 52h weekend possessions
 - 16-17 Sep '17
 - 30 Sep- 1 Oct '17
 - 14-15 Oct '17
- 10-day Christmas '17 blockade
 - 23 Dec '17 - 1 Jan '18

All closures subject to change if LU need to operate a service or if an emergency occurs

Subcontractor being appointed March'17. Detail methodology to be developed



Hoardings



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Option A

What's happening at this site?

As part of the restoration of the Northern Dike, we are building two new tunnels for our waste. Each tunnel is 2.5 km long, running from Rosslough to Ballinacorney. To provide crossing and emergency access to these tunnels, in order to ensure a comfortable and safe journey for our customers, we need to build two permanent ventilation shafts along the route. One of these ventilation points is located here. Once construction work is complete we will be re-landscaping this area.



Option B

What's happening at this site?

As part of the restoration of the Northern Dike, we are building two new tunnels for our waste. Each tunnel is 2.5 km long, running from Rosslough to Ballinacorney. To provide crossing and emergency access to these tunnels, in order to ensure a comfortable and safe journey for our customers, we need to build two permanent ventilation shafts along the route. One of these ventilation points is located here. Once construction work is complete we will be re-landscaping this area.



Option C

What's happening at this site?

As part of the restoration of the Northern Dike, we are building two new tunnels for our waste. Each tunnel is 2.5 km long, running from Rosslough to Ballinacorney. To provide crossing and emergency access to these tunnels, in order to ensure a comfortable and safe journey for our customers, we need to build two permanent ventilation shafts along the route. One of these ventilation points is located here. Once construction work is complete we will be re-landscaping this area.



Kennington sites Logistics

Lorry movements significantly reduced from Jan 17

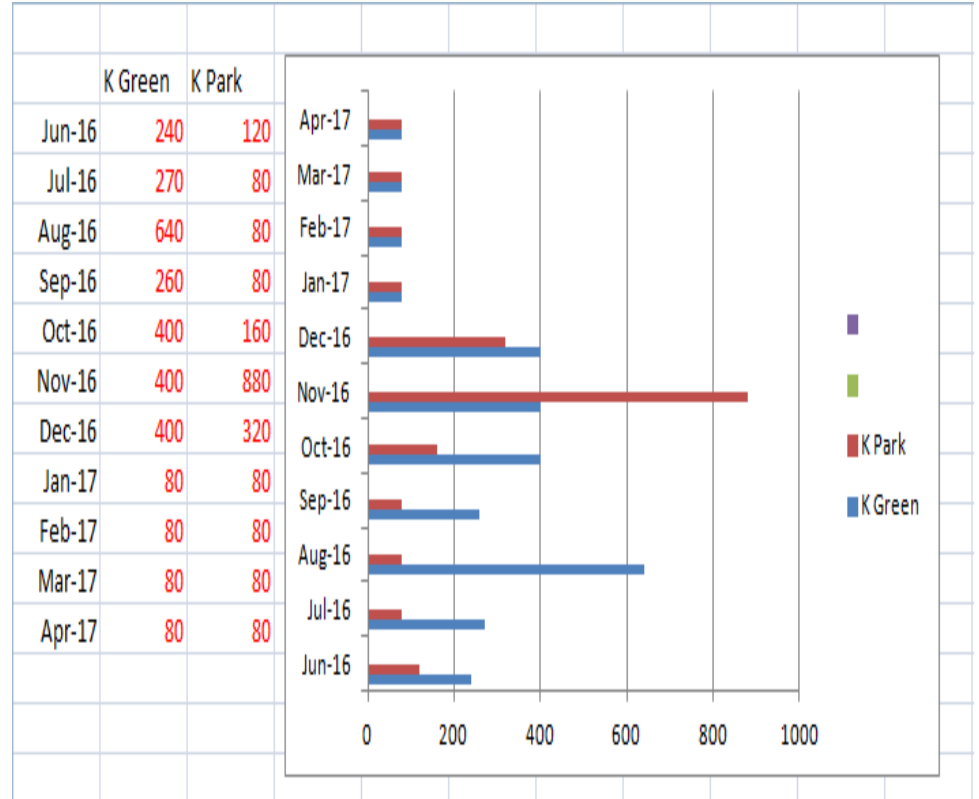
Cleaning of the road McGovern road sweepers 4 times a week the Montford/Kennington sites, but we can call the sweepers out on request.

We continue to Work Related Road Risk driver training awareness for vulnerable road users, IE cyclists.

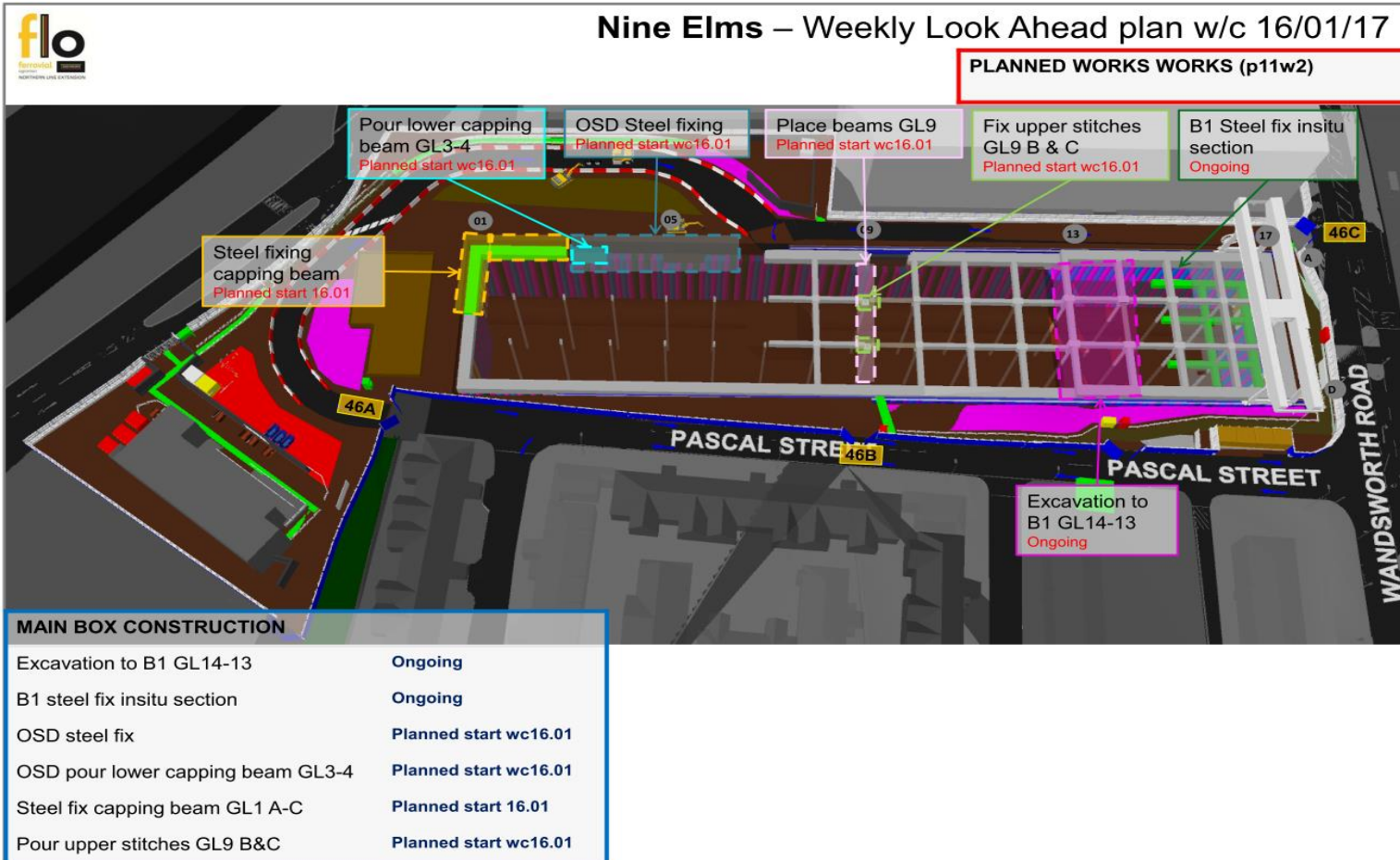
WRRR auditing deliveries, where all wagons on site were randomly inspected, concluding all wagons on site were 100% compliant.

Abnormal deliveries – We (FLO) advise all deliveries requesting to deliver abnormal loads to the NLE to alert the metropolitan police, as this will aid in reducing congestion and ensure the safety of the delivery to its destination.

Similarly, once the metropolitan police have authorised the delivery, we alert the residents under section 61 explaining the reasons for either working early/late. In addition, there are no planned abnormal loads at present.



Nine Elms Site Map Overview



Nine Elms

Summary Update Oct 16- Jan 17

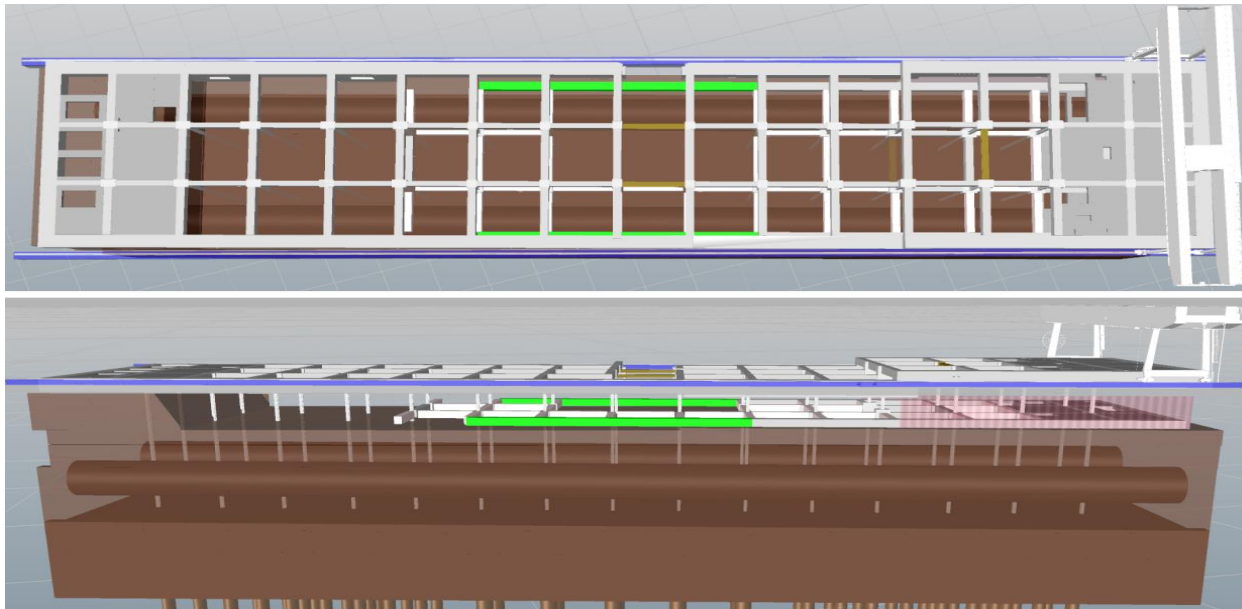
- Capping beam practical completion
- Continue with Precast beams installation at ground level, including in-situ stitches (links between the beams and the columns)
- Continue with Excavation works to Basement 1 level
- Reinforced concrete works commenced to Basement 1 level



Nine Elms

Look Ahead Jan – Apr 2017

- Continue with excavation works to Basement 1 level
- Construction of in-situ slabs at west end (ground level) and east end (basement 1 level)
- Install more precast beams and construct the in-situ stitches to the columns (ground and basement 1 levels)
- Gantry crane will be operating along the whole station



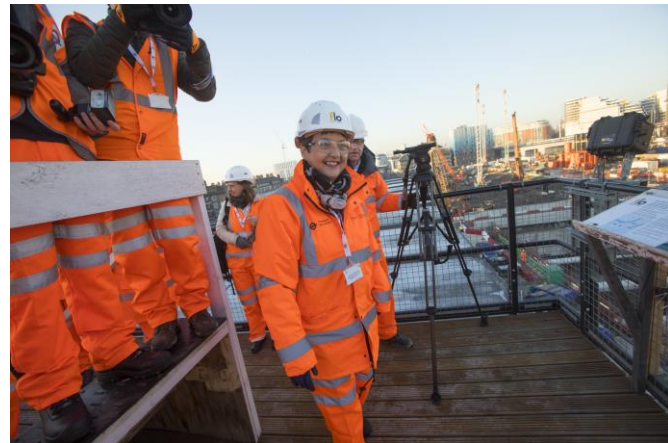
Battersea Update Oct 16 – Jan 17

✓ Station Box



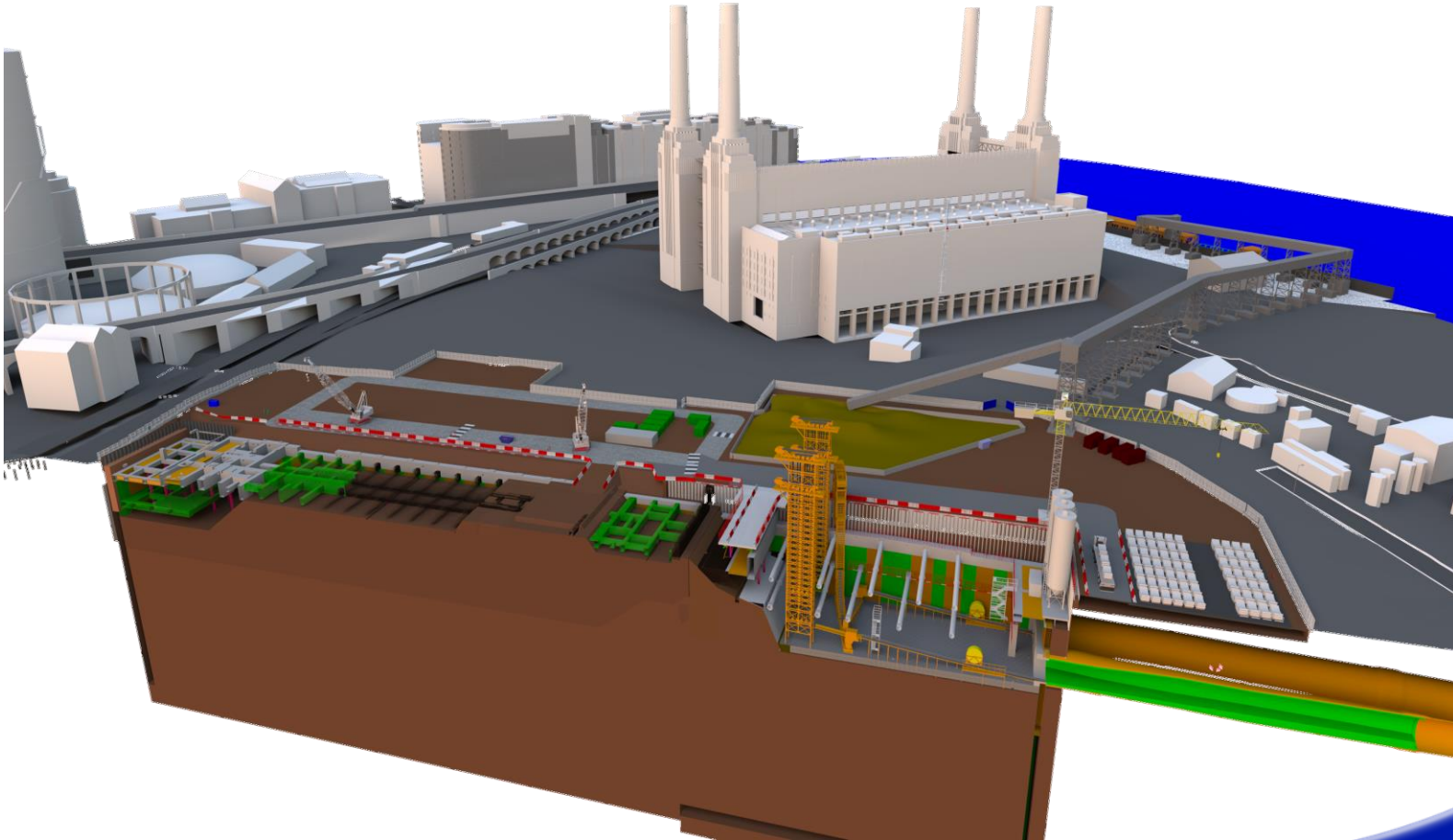
Battersea Update Oct 16– Jan 17

✓ Cross Over Box. Tunnel Boring Machines



Battersea

Look Ahead Jan – Apr 2017



Environmental Monitoring Summary

Oct – Dec 2016

SITE	NOISE TRIGGER	DUST TRIGGER	REASON	GOOD NEWS
KG	2	3	Jet washer was located under noise monitor, and offsite roadworks	Window cleaning completed. Jet washers replaced with quieter models
KP	0	3		No dust triggers in last two months
NE	2	0	Sheet piling works close to noise monitor	No dust triggers in last month
BATT	0	4	Vehicle movements along Battersea Pk Rd	No onsite dust alerts from real time monitoring.

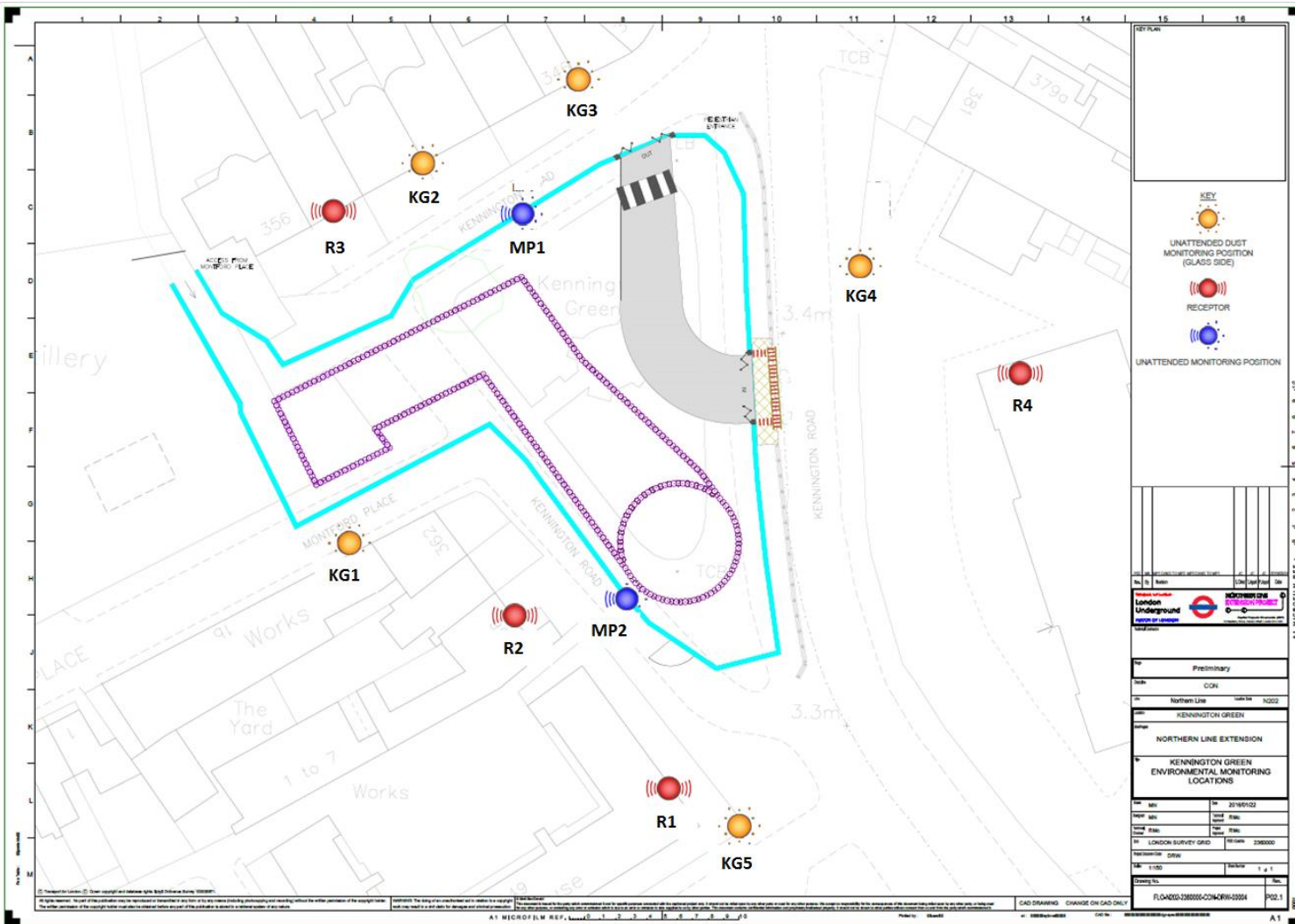
Full environmental monitoring reports are available on the [TfL NLE Website](#).

Environmental Monitoring Locations

Kennington Green



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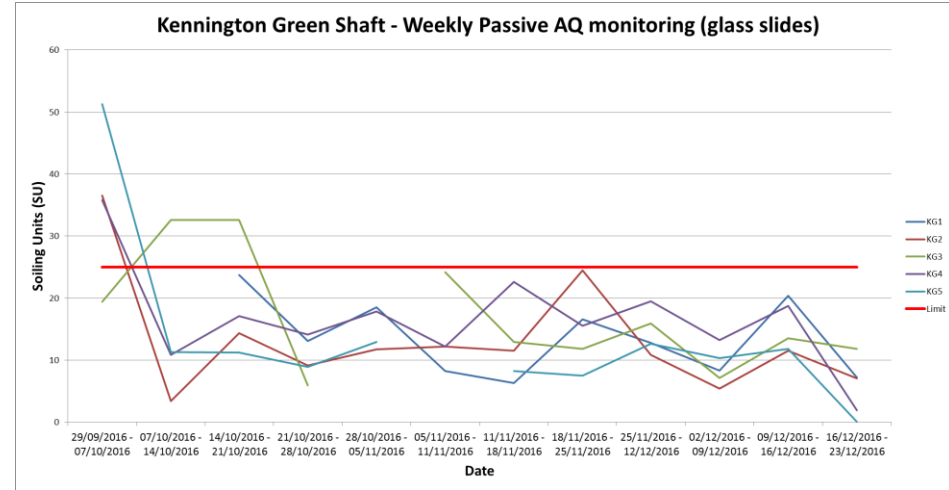
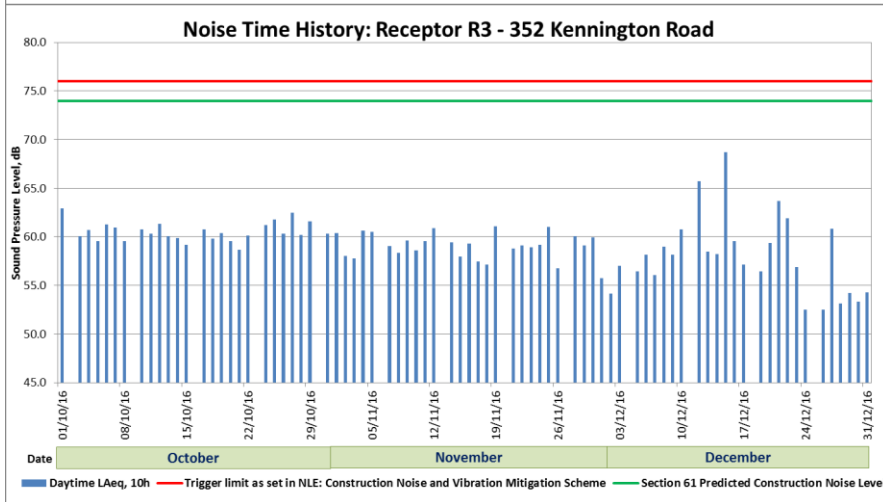
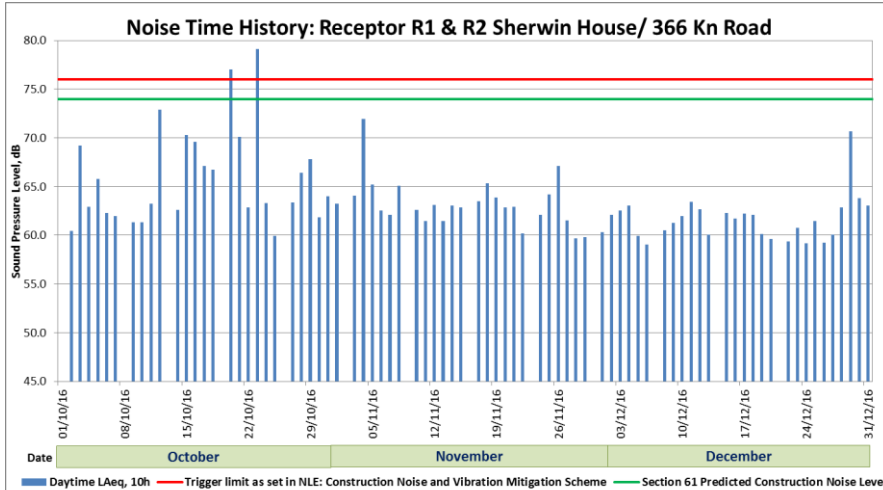


Environmental Monitoring Oct – Dec 2016

Kennington Green



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During these three months of monitoring there have been two noise triggers. The first one occurred on the 24th October 2016 and the second one on the 27th October 2016. The level exceeded is in the order of 0.6 dB and 2.7 dB respectively over the 76 dB 10 hour daily average. The first triggers was when jet washer was used in close proximity to the noise monitor the; second was a vacuum excavation machine operating at Clayton St. For the rest of the time, noise values have been within the Section 61 predictions.

Regarding night time triggers, there were 7 times where the level exceeded the agreed thresholds. However, all of them were related to emergency sirens and not to the NLE activities.

With the exception first week of October dust deposition rates have been lower than guidance criterion of 25 SU per week set by the Environment Agency.

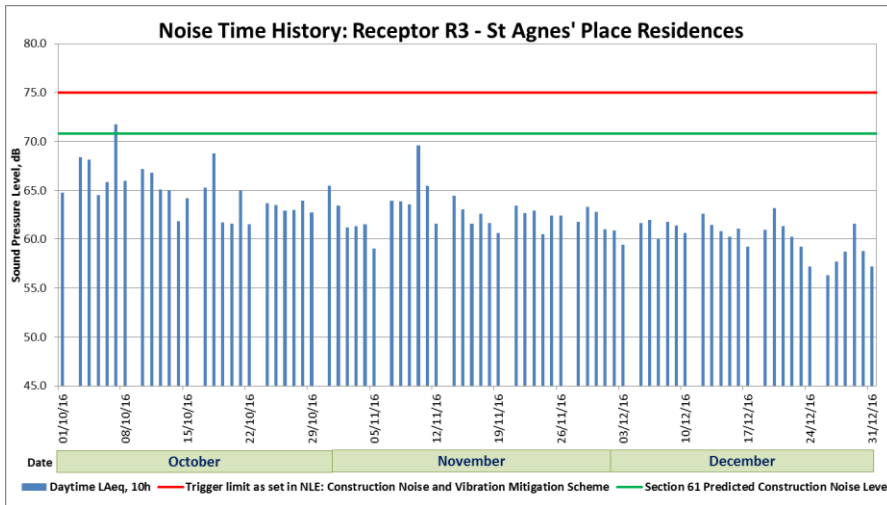
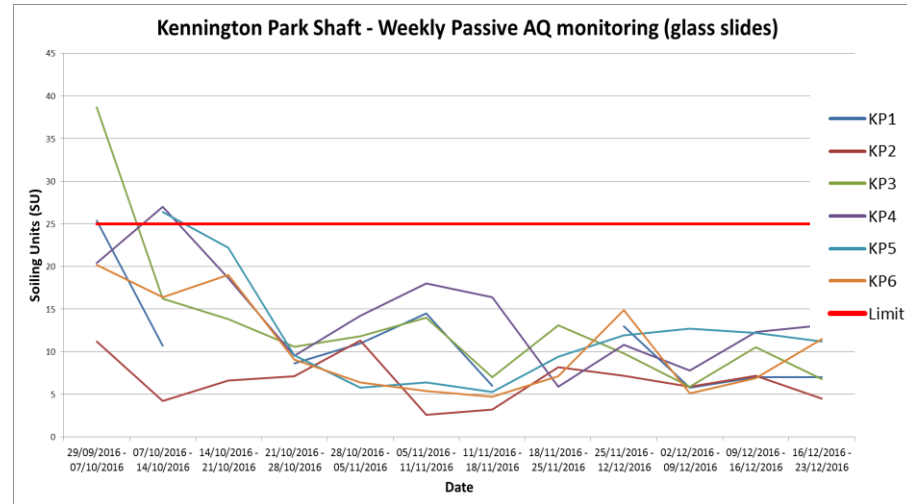
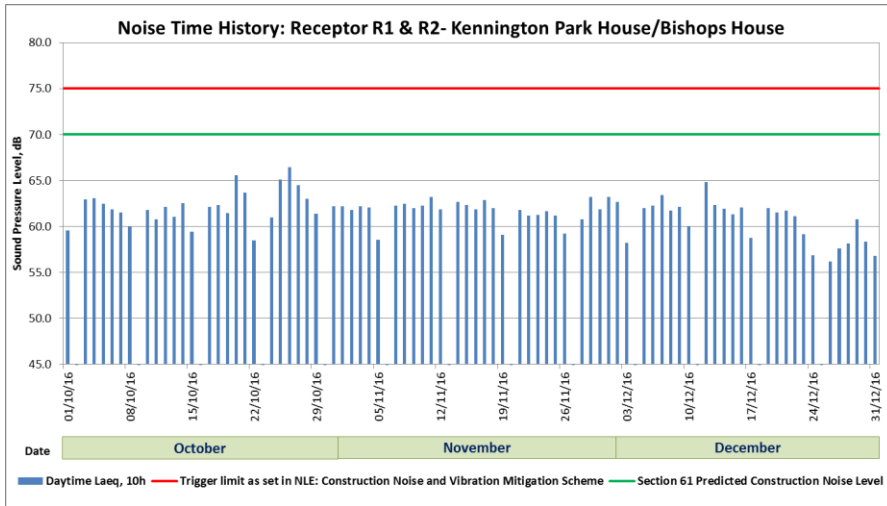


Environmental Monitoring Oct – Dec 2016

Kennington Park



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During these three months of monitoring there were zero noise triggers. Noise values have been within the Section 61 predictions.

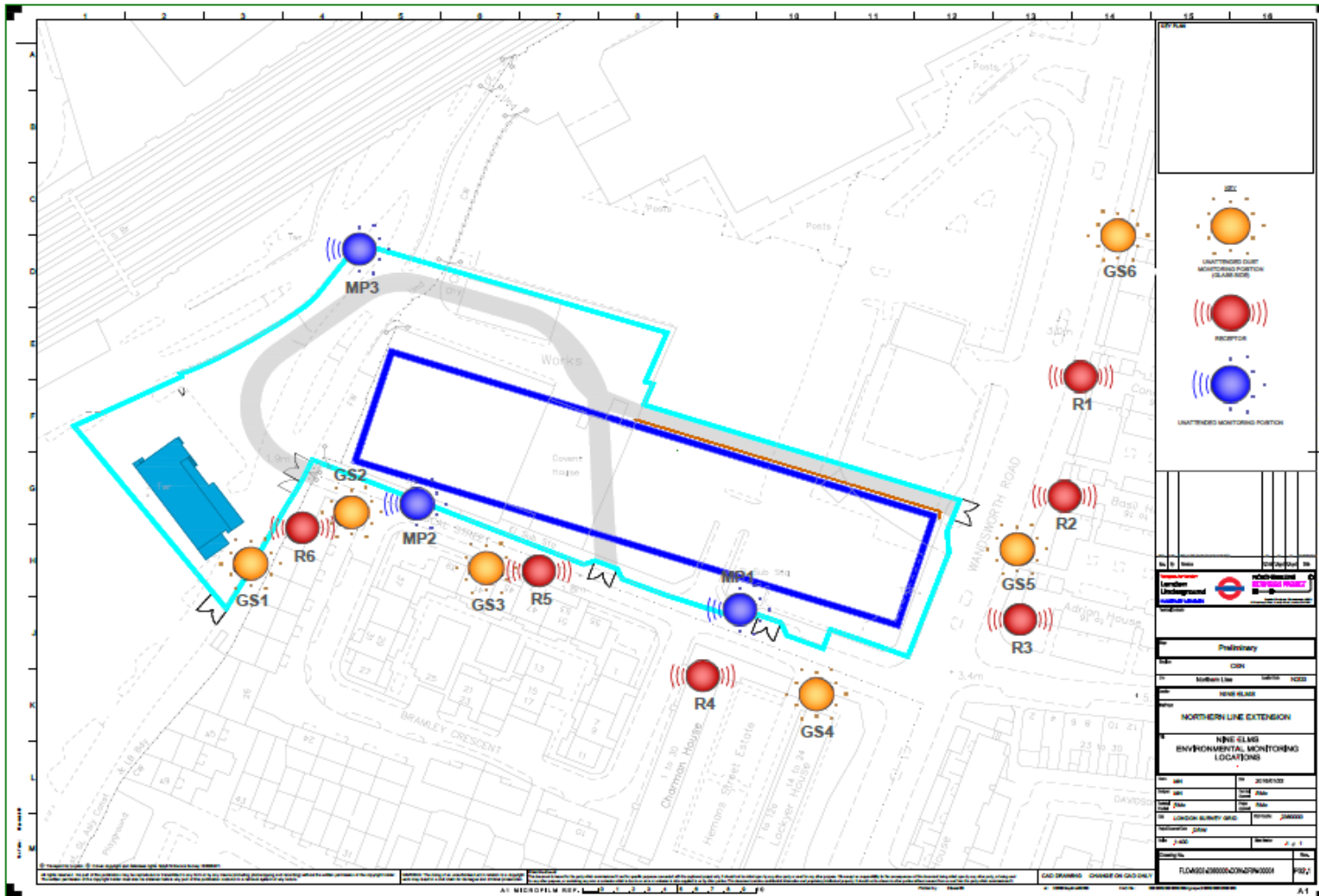
Regarding night time triggers, there were no triggers for the months of October and December. However, there were 9 times in November where the level exceeded the agreed limits, all of are attributed to non NLE activity including: emergency sirens, traffic noise and fire work events.

In terms of Air quality monitoring, with the exception of the first week of weekly Passive AQ monitoring, the dust deposition rates have been lower than guidance criterion of 25 SU per week set out by the Environmental Agency.



Environmental Monitoring Locations

Nine Elms

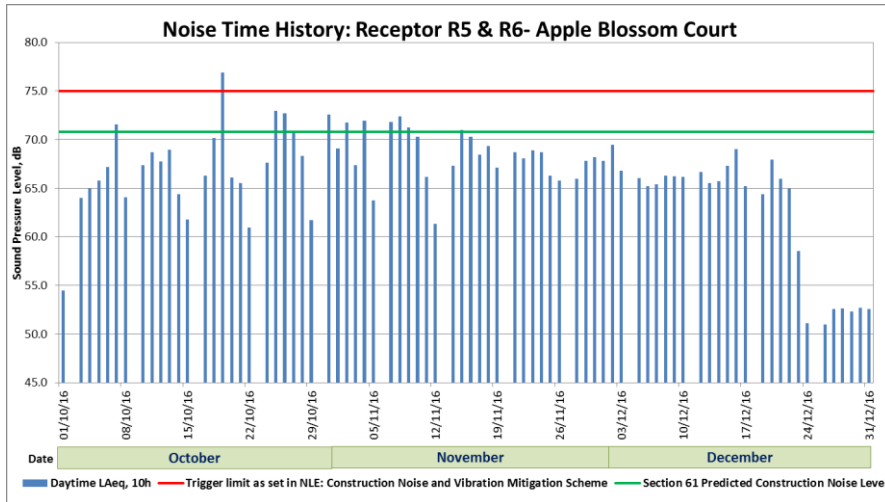
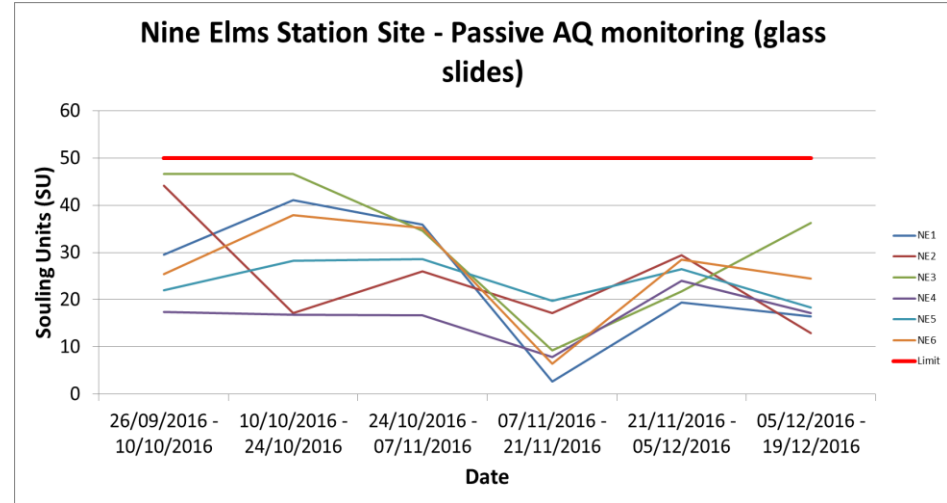
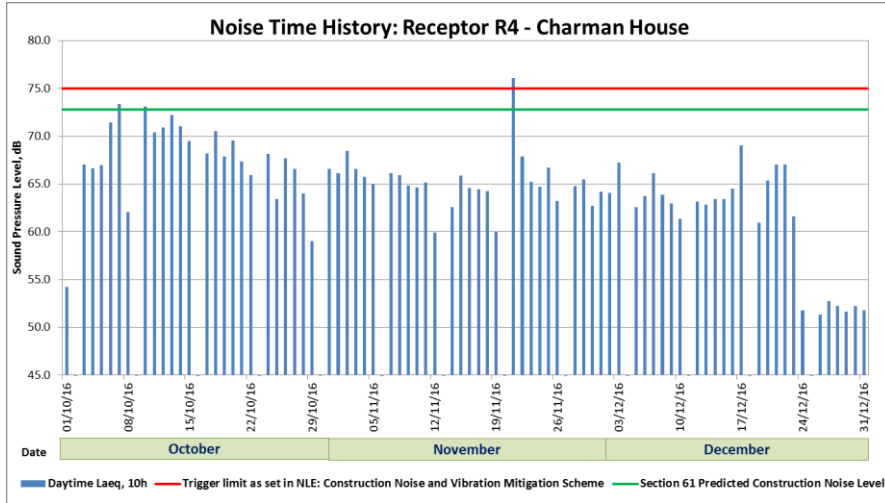


Environmental Monitoring Oct – Dec 2016

Nine Elms



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During the last three months of monitoring, there were two **noise** triggers; the first one on 19th October 2016 and the second one on 21st November 2016. The levels exceeded were in the order of 1.9 dB and 1.1 dB respectively over the 75 dB 10 hour daily average. For the rest of this period, noise values have been within the Section 61 restrictions.

Regarding passive **air quality** monitoring, it can be seen that all the monitoring positions have been within the threshold levels over the last three months.

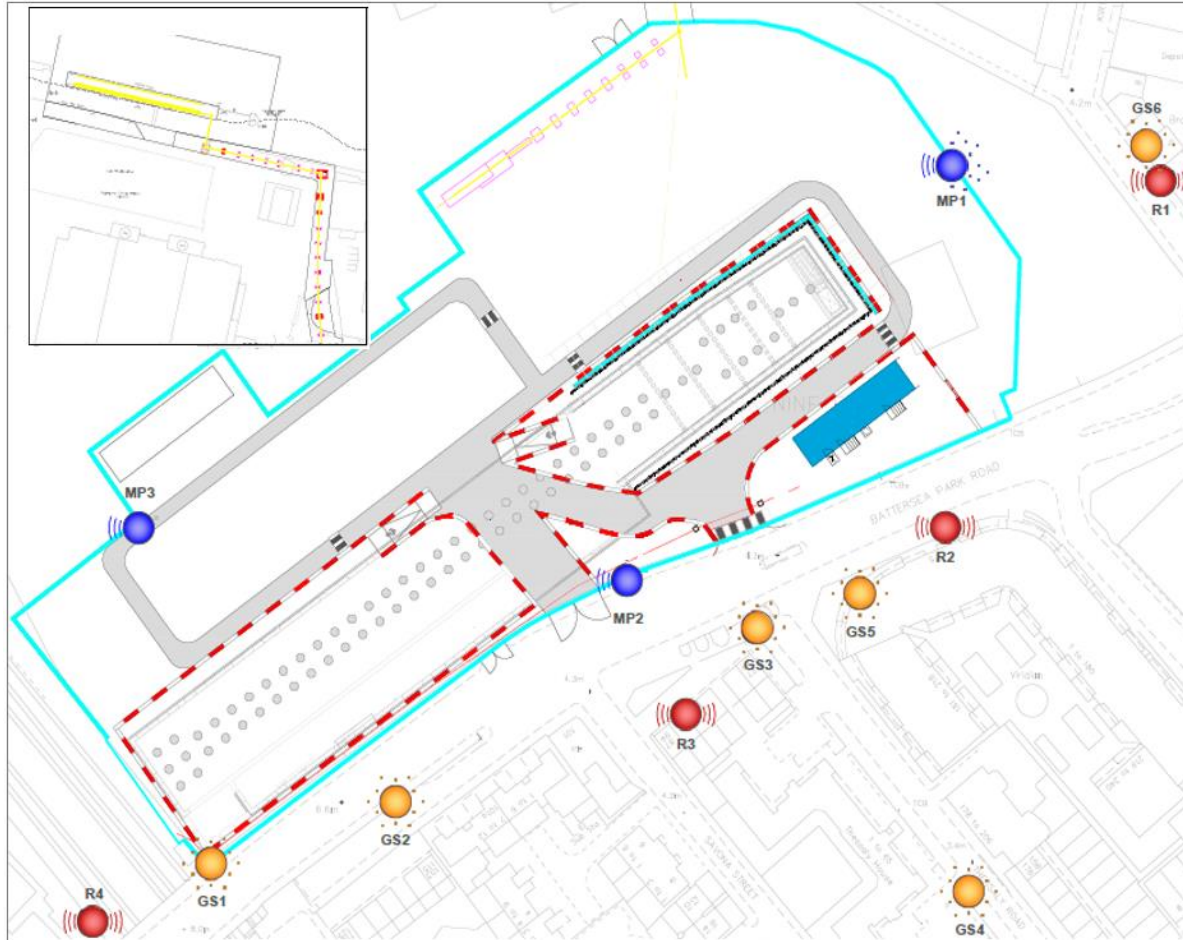


Environmental Monitoring Locations

Battersea



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- NOISE (blue circle with radiating lines) AIR QUALITY MONITORING (blue circle with radiating lines)
- RECEPTOR (red circle with radiating lines)
- UNATTENDED DUST MONITORING POSITION (GLASS SIDE) (orange circle with radiating lines)



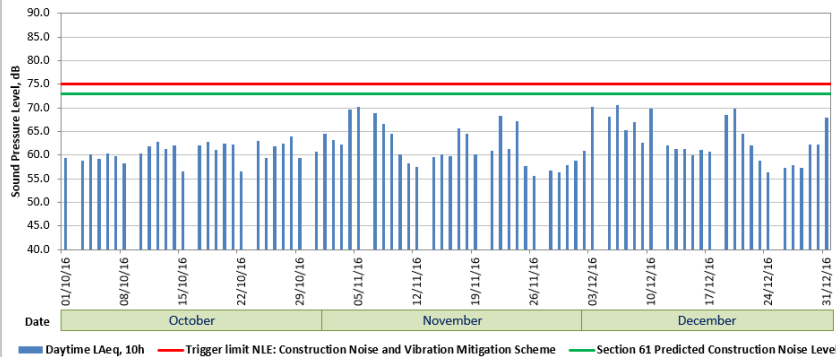
Environmental Monitoring Oct – Dec 2016

Battersea

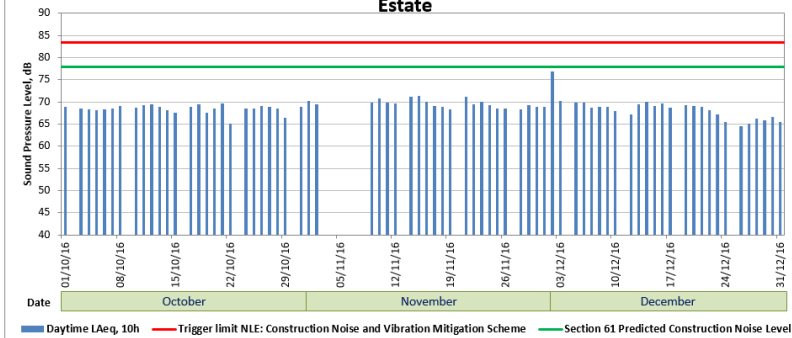


FERROVIAL AGROMAN
LAING O'ROURKE JV

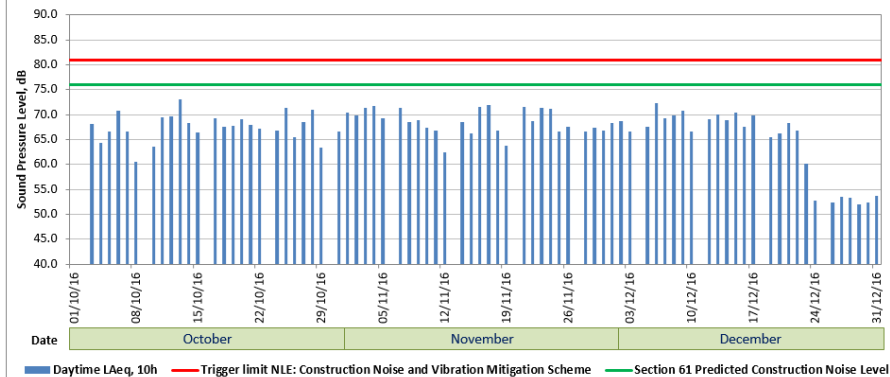
Noise Time History: Receptor R1 - Kirtling Street



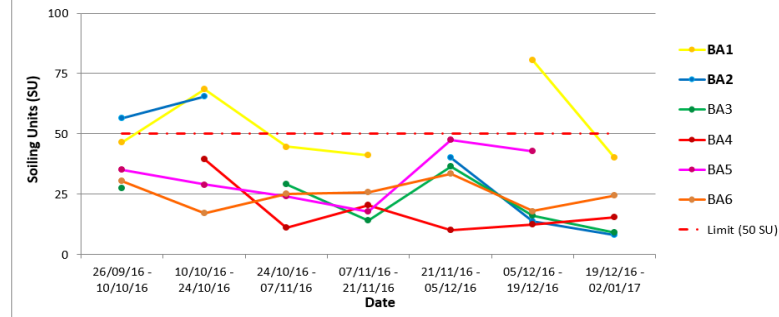
Noise Time History: Receptor R2 - Viridian Apartments & R3 - Savona Estate



Noise Time History: Receptor R4 - Cats and Dogs Home



Battersea Site - Dust deposition rates (Glass Slides)



No noise triggers recorded from October to December 2016

BA1 and BA2 recorded levels of dust in excess of the levels which are considered a nuisance however these locations are likely to be impacted by traffic on Battersea Park Road.



NLE Helpline / Enquiries



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KENNINGTON GREEN

Between 01/10/2016 and 21/02/2017

Total cases logged: 81

Cases still active: 12 (14.81%)

Resolved cases: 69 (85.19%)

Case type:

Complaint: 44 (54.32%)

Enquiry: 35 (43.21%)

Observation: 2 (2.47%)

Complaint categories (44 in total):

Behaviour: 1 (2.27%)

Construction Strategy: 1 (2.27%)

Defect Survey: 7 (15.91%)

Local Authority Issues: 1 (2.27%)

Miscellaneous: 7 (15.91%)

Noise and Vibration: 22 (50%)

Property Damage: 1 (2.27%)

Public Utilities: 3 (6.82%)

Working Hours: 1 (2.27%)

KENNINGTON PARK

Between 01/10/2016 and 21/02/2017

Total cases logged: 83

Cases still active: 6 (7.23%)

Resolved cases: 77 (92.77%)

Case type:

Complaint: 55 (66.27%)

Enquiry: 27 (32.53%)

Observation: 1 (1.2%)

Complaint categories (55 in total):

Miscellaneous: 3 (5.45%)

Noise and Vibration: 50 (90.91%)

Property Damage: 1 (1.82%)

Traffic Management: 1 (1.82%)

NINE ELMS

Between 01/10/2016 and 21/02/2017

Total cases logged: 8

Cases still active: 1 (12.5%)

Resolved cases: 7 (87.5%)

Case type:

Complaint: 2 (25%)

Enquiry: 6 (75%)

Complaint categories (2 in total):

General Vesting Declaration: 1 (50%)

Noise and Vibration: 1 (50%)

BATTERSEA

Between 01/10/2016 and 21/02/2017

Total cases logged: 44

Cases still active: 4 (9.09%)

Resolved cases: 40 (90.91%)

Case type:

Complaint: 19 (43.18%)

Enquiry: 25 (56.82%)

Complaint categories (19 in total):

Behaviour: 1 (5.26%)

Miscellaneous: 3 (15.79%)

Noise and Vibration: 8 (42.11%)

Site Management: 7 (36.84%)

Between 01/06/2016 and 13/10/2016:

Total cases logged: 36

Cases still active: 11 (30.56%)

Resolved cases: 25 (69.44%)

Case type:

Complaint: 17 (47.22%)

Enquiry: 18 (50.00%)

Observation: 1 (2.78%)

Complaint categories (17 in total):

Construction Strategy: 3 (17.65%)

Legal: 1 (5.88%)

Miscellaneous: 3 (17.65%)

Noise and Vibration: 4 (23.53%)

Site Management: 1 (5.88%)

Traffic Management: 1 (5.88%)

Working Hours: 4 (23.53%)

Between 01/06/2016 and 09/10/2016:

Total cases logged: 22

Cases still active: 5 (22.73%)

Resolved cases: 17 (77.27%)

Case type:

Complaint: 12 (54.55%)

Enquiry: 8 (36.36%)

Observation: 2 (9.09%)

Complaint categories (12 in total):

Dust: 2 (16.67%)

Noise and Vibration: 6 (50.00%)

Site Management: 2 (16.67%)

Traffic Management: 1 (8.33%)

Working Hours: 1 (8.33%)

Between 01/06/2016 and 13/10/2016:

Total cases logged: 15

Cases still active: 6 (40.00%)

Resolved cases: 9 (60.00%)

Case type:

Complaint: 7 (46.67%)

Enquiry: 7 (46.67%)

Non-Valid Contact: 1 (6.67%)

Complaint categories (7 in total):

Noise and Vibration: 3 (42.86%)

Public Utilities: 1 (14.29%)

Site Management: 1 (14.29%)

Traffic Management: 1 (14.29%)

Working Hours: 1 (14.29%)

Between 01/06/2016 and 10/10/2016:

Total cases logged: 18

Cases still active: 2 (11.11%)

Resolved cases: 16 (88.89%)

Case type:

Complaint: 12 (66.67%)

Enquiry: 6 (33.33%)

Complaint categories (12 in total):

Noise and Vibration: 2 (16.67%)

Site Management: 5 (41.67%)

Traffic Management: 1 (8.33%)

Working Hours: 4 (33.33%)



NLE Skills and Employment



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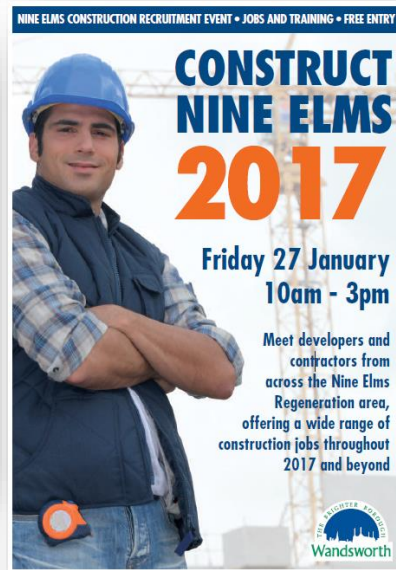
Gabriel Jetawo's (pictured above) and Brian Linden, founder of Second Chance.



- 27 Positions advertised through local brokerages – 8 completed.
- Work experience – ongoing with local schools across Southwark, Lambeth & Wandsworth



Construction Youth Trust pilot-scheme, Foundations for the Future. 5 workshops in 1 year. Sacred Heart School in Kennington



- BEST (Business Education Succeeding together)
- Working with TfL on their pre-employment pilot scheme aimed to get young people from the local area upskilled and into apprenticeships



Engagement Opportunities

- CLG meetings
- One to one meetings
- Drop in sessions
- School and Youth Engagement
- Stakeholder Activities
- Cycling safety Events



Ways to contact us

- It is important that calls are logged through the NLE 24/7 helpdesk on 0343 222 2424 Option 1
- Email nle@tfl.gov.uk
- Regular Drop In sessions
- Please visit:

<https://tfl.gov.uk/northern-line-extension>