

K: Townscape and Visual Amenity

K1: Methodology for Producing Visually Verified Photomontages

Environmental Statement

Volume II



Multimedia Team

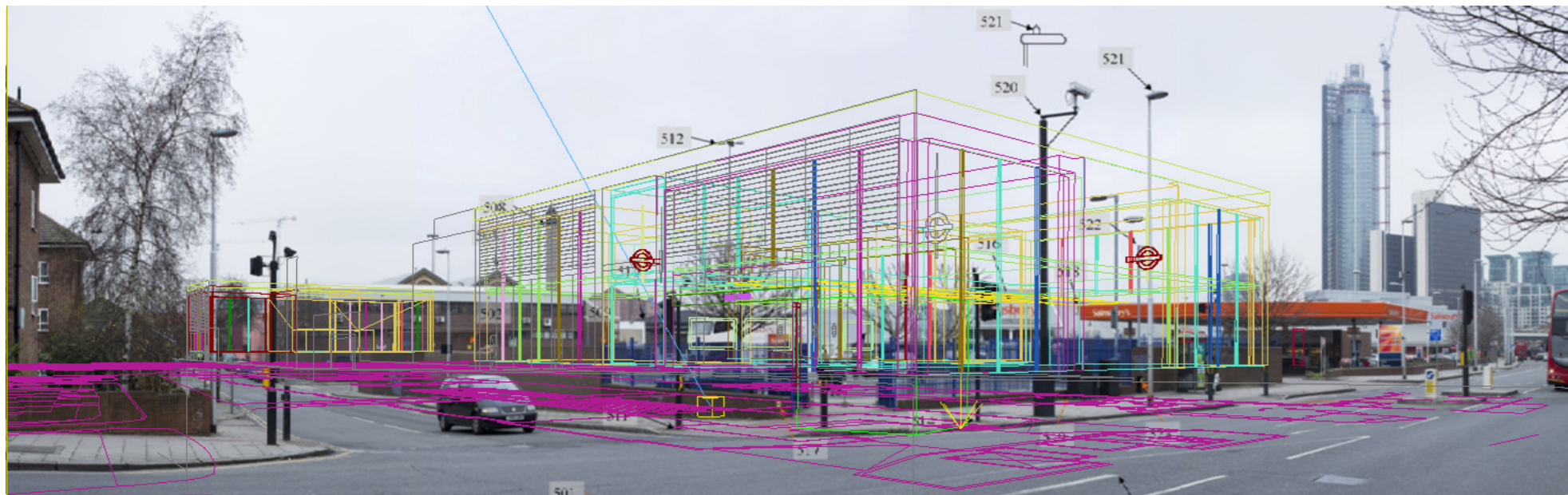
Northern Line Extension Methodology for Visually Verified Montages

Prepared for:
Transport for London

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VVM Methodology Statement



Overview

This document has been prepared by URS to explain the methodology used for the production of Visually verifiable photomontages (VVMs) for the Northern Line Extension (NLE) Project. The purpose of the VVMs is to present an accurate visualisation of the proposed development, enabling its impact on the skyline and setting to be objectively evaluated.

Methodology

There are 5 key steps in the production of a VVM. These are as follows:

1. Undertaking professional photography of the agreed view locations to give the baseline;
2. Surveying of location, and specific control points with each view;
3. Creation of 3D model
4. Camera matching and rendering; and
5. Post production and finalising VVM.



VVM Methodology Statement



1. Professional Photography

The following methodology pertains to the production of photographic images of the proposed development on the NLE in Kennington and Vauxhall, London on 10th January 2013. The photographer was Paul Riddle. Location points for all views were instructed by Transport for London.

The viewpoints are intended to show a clear line of sight to the specific area of development as well as illustrating the local context and interest.

Camera movements (rising/dropping front) were used in some cases to alter the position of the horizon within the camera and create a natural perspective free from converging vertical planes.

Panorama views were supplied using a standard 50mm lens on a 35mm camera set level in vertical and rotated around the lens nodal point capturing several frames 'stitched' together in computer software.

Clear weather conditions and times of day, which presented legible modelling to features within each view were attained.

The camera used was a Canon 5D MKIII 22.3MP (sensor size 36mm x 24mm 3:2 aspect ratio) 35mm high resolution camera with 24mm tilt & shift lens and 50mm lens. A Canon GPS GP-E2 unit was linked with camera to record location and camera direction. The time, date, lens focal length, camera height, angle of view and shift, latitude and longitude were recorded with each image submitted.



VVM Methodology Statement



2. Surveying of location, and specific control points with each view

Once baseline photographs were taken, each viewpoint location was then surveyed and identified by Ordnance Survey co-ordinates. The heights and distances of significant points within each view that are easily distinguishable are also recorded as Ordnance Survey grid and level datum. These survey points provided an effective check for ensuring that the three dimensional model and existing views are accurately merged together.

Relevant specific information from Surveyors:

- The survey will be undertaken in accordance with the RICS client specification guidelines for surveys of land, building and utility services at scales of 1:500 and larger.
- At each viewpoint we propose to co-ordinate the camera position and a reference station nearby. Then we will set up a a Leica TS15i 1 second R (with a range of 400m) station on the camera location, orientate the instrument with the reference station and survey-in the reference points.
- Our instrument has a reflectorless range of 300-500m, depending on the reflectivity of the surface being located. Some of the reference points indicated on the photos may be further away from the instrument than can be measured or obstructed by trees; all efforts will be made to co-ordinate these points from other locations, or points will be taken at the nearest adjacent location.
- We will provide an AutoCAD database of the survey area, to a model space scale of 1:1, and a paperspace scale of 1:200 as appropriate, together with a 3D dxf file.



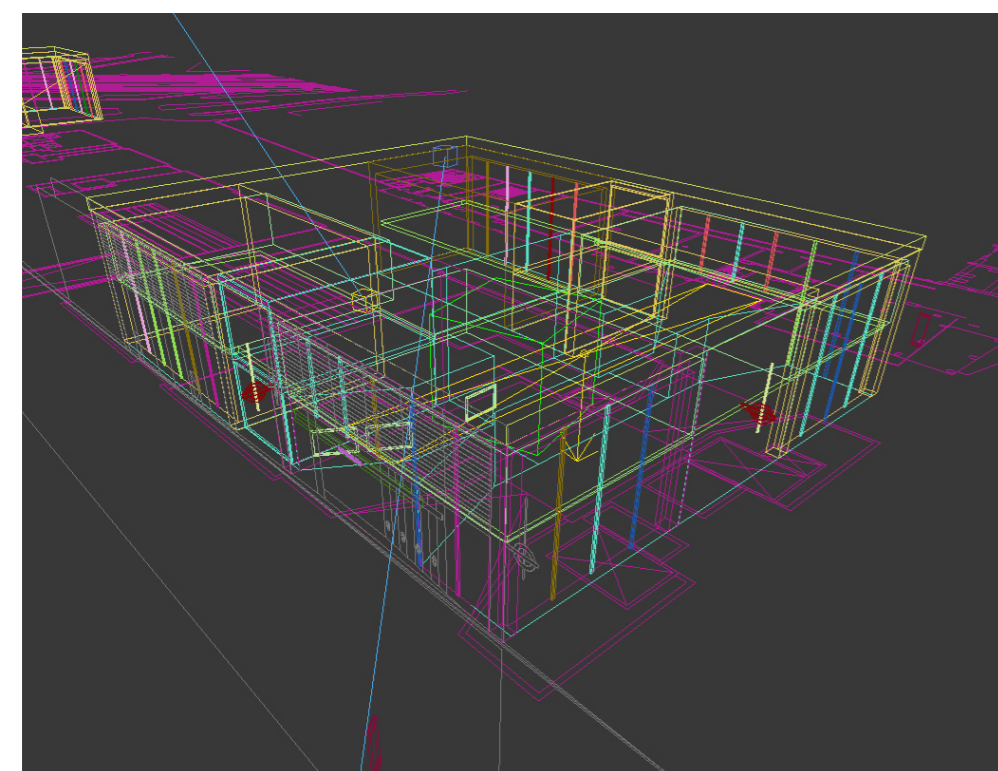
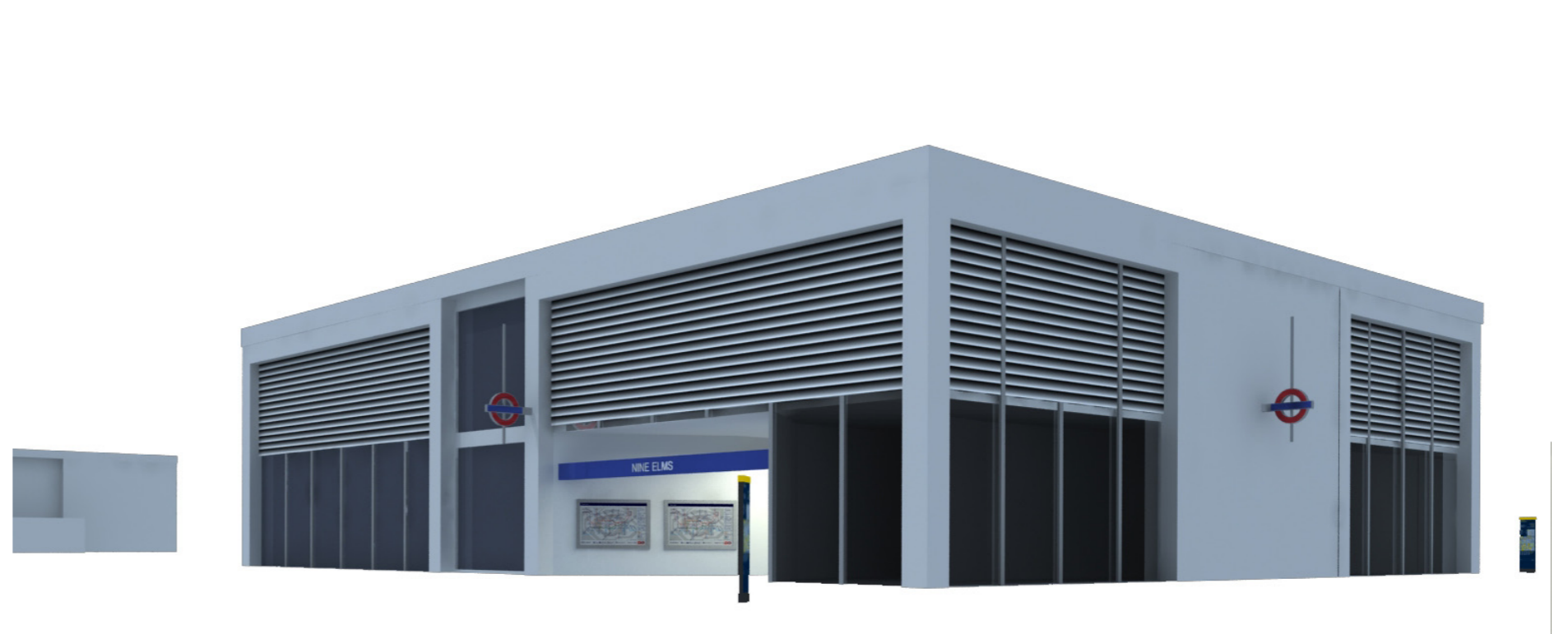
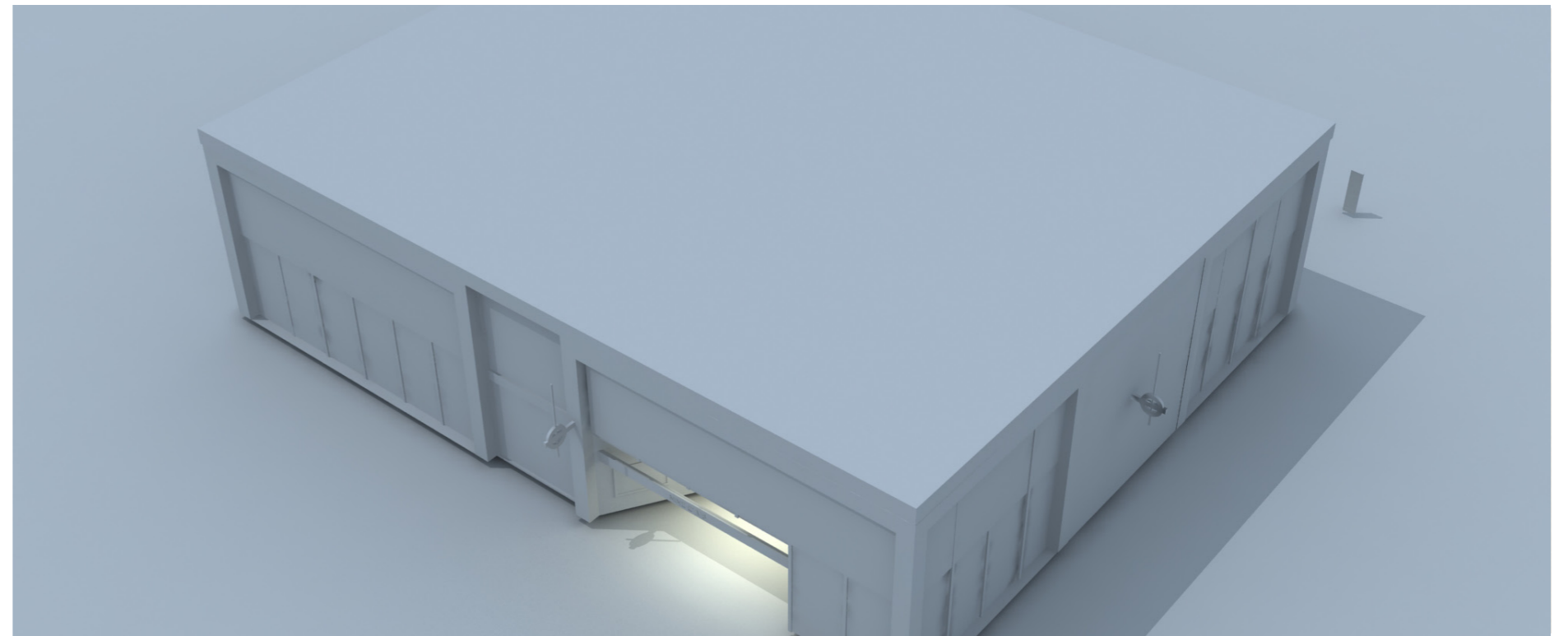
VVM Methodology Statement



3. 3D model

The three-dimensional computer model of the proposed development which is superimposed upon the baseline photographic views is based upon supplied detailed design two dimensional CAD drawing files and proposed materials of the scheme.

The drawings of the proposed development are inserted into 3D Studio Max and traced over using snap tools within the program to create an accurate three dimensional model of the proposed development. A check of heights / widths is then carried out between the three-dimensional model and the design files supplied of the scheme to test and obtain accuracy.



VVM Methodology Statement

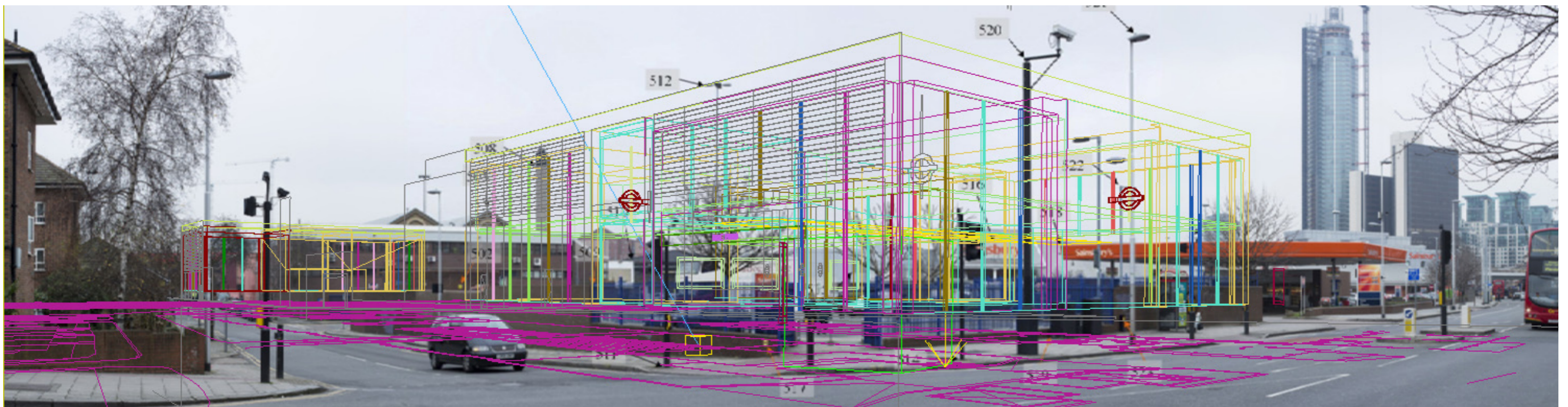


4. Camera matching and rendering

As stated, a professional photographer is used to obtain the images, and a surveyor is used to capture survey point data required to accurately camera-match the 3D model into each view.

The next step in the process involves accurately positioning the three-dimensional model of the proposed development within each existing view. This is achieved through a process of matching the surveyed points in the digitised image with those recorded by the survey team on the existing photographs. The central horizon line in each of the existing views is then calculated and imported into 3D Studio Max as a backdrop to the 3D model. The survey points as well as the specifications of the lens type relating to each existing view are also entered into 3D Studio Max.

The survey points of the camera position and those relating to specified objects within each particular baseline image are then highlighted on the digitised image. A further check of the accuracy of the survey points in each digitised existing view is carried out by overlaying the central horizon line of each existing view with the digitised survey points prepared in 3D Studio Max. This additional check ensures that the survey points match precisely. If applicable, existing buildings within the view can also be modelled and used as a further positional accuracy check against their position with each photograph. Camera points set up within the software matching the lens types of the real world camera shots will be aligned correctly with the survey data.



VVM Methodology Statement



Once the process of camera matching is complete, the three-dimensional model of the proposed development can be accurately positioned within each of the existing views.

Each view is then rendered with the camera-matched 3D model of the proposed development within 3D Studio Max at the same size, resolution and aspect ratio as the digitised existing view. This gives a series of 3D images ready for compositing with the photos of the existing baseline site.

5. Post production

The render of the 3D model is then superimposed on the photographic images in Adobe Photoshop.

The foreground of the existing views i.e. trees, lampposts, cars, buildings, etc., are then copied and placed over the rendered model in order to ensure that the depth is accurate within the photomontage view between the foreground, background and the rendered model.

In some locations the development of the NLE will involve the removal of existing temporary site hoardings or existing mature trees. In existing views, these features may mask detail in the background of the view. In order to illustrate the effects of the scheme, those features have been digitally removed from the original photographs. Where this would reveal views of features in the background, it has been necessary to digitally re-create the missing detail from other sources

At this stage, the textured model may be further adjusted to match the resolution, colouring and saturation of the photographs taken to create a close impression of what the textures of the proposal would look like.

This is a qualitative exercise and requires interpretation by the designer on how the proposal will look, and guidance from the design team.

A final qualitative check of all of the photomontage images is carried out with other members of the project team to ensure that they provide objectively accurate views of the NLE from the information provided.



K2: Schedule of Visual Receptors and Predicted Impacts

Environmental Statement

Volume II

TfL: Northern Line Extension - Visual Receptor Schedule and Assessment of Effects

Ref	Name	Views Of	Receptor Location / Function												Degree					Baseline View Description	Sensitivity										
			Garden	Lower Floor	Upper Floor	Rear	Front	Side	Car Park	Industrial / Commercial	Pedestrians / Cyclists	Road	Rail	Open Space	Water	Other	Open	Partially Screened	Substantially Screened			Static	Kinetic	Direct	Oblique						
BR01	Railway passengers on the Victoria to Brixton line	Battersea Station																			Y			Y			Y	Y	Y	Views across extensive vacant site, cleared to rubble surrounded by hoarding. Battersea power station, cats and dogs home and London skyline prominent in view	Low
BR02	People working at and visiting Battersea Cats and Dogs Home	Battersea Station			Y			Y		Y								Y		Y						Y			Views across neighbouring railway line to extensive vacant site, cleared to rubble surrounded by hoarding. Battersea power station and London skyline prominent in view	Low	
BR03	Residents of No. 103-125 Battersea Park Road	Battersea Station	Y	Y			Y		Y									Y	Y		Y								Views across Battersea Park Road partially screened by bridge in foreground and hoarding. Views beyond to Battersea Power Station and oblique views of cats and dogs home and London skyline	High	
BR04	Residents of Savona House, Battersea Park Road	Battersea Station	Y	Y			Y		Y									Y	Y		Y								Views across Battersea Park Road partially screened by hoarding. Views beyond to Battersea Power Station and oblique views of cats and dogs home and London skyline	High	
BR05	Road users and pedestrians on Battersea Park Road	Battersea Station																Y	Y										Views across Battersea Park Road partially screened by hoarding. Views beyond to Battersea Power Station and oblique views of cats and dogs home and London skyline	Low	
BR06	Pedestrians on Grosvenor Road embankment	Battersea Station																	Y		Y								Views across River Thames with Battersea Power Station Prominent beyond wharfs on opposite bank with glimpsed views of application site between buildings and structures	Medium	
BR07	Residents of Savona Street	Battersea Station	Y	Y			Y		Y																		Y		Framed views between buildings on Savona Street beyond hoarding along Battersea Park Road which partially screens views of site and Battersea Power Station beyond.	High	
BR08	Residents of No. 77-99 Battersea Park Road	Battersea Station	Y	Y			Y		Y										Y								Y		Views across Battersea Park Road partially screened by hoarding. Views beyond to Battersea Power Station and oblique views of cats and dogs home and London skyline	High	
BR09	Roads users and pedestrians on Savona Street	Battersea Station																	Y	Y		Y	Y	Y					Framed views between buildings on Savona Street beyond hoarding along Battersea Park Road which partially screens views of site and Battersea Power Station beyond.	Low	
BR10	Road users and pedestrians on Cringle Street	Battersea Station																	Y	Y	Y								Views through palisade fence, across industrial site towards extensive vacant site, cleared to rubble surrounded by hoarding with buildings on Battersea Park Road beyond.	Low	
BR11	Road users and pedestrians on Thessaly Road	Battersea Station																	Y	Y							Y	Y	Framed views between buildings on Thessaly Road beyond hoarding along Battersea Park Road which partially screens views of site and Battersea Power Station beyond.	Low	
BR12	Residents of No. 142-218 and Thessaly Road	Battersea Station	Y	Y			Y		Y												Y	Y					Y		Framed views between buildings on Thessaly Road beyond hoarding along Battersea Park Road which partially screens views of site and Battersea Power Station beyond.	High	
BR13	Residents of Viridian House, Battersea Park Road	Battersea Station	Y	Y	Y		Y		Y										Y			Y							Views across Battersea Park Road partially screened by hoarding. Views beyond to Battersea Power Station and oblique views of cats and dogs home and London skyline	High	
BR14	Road users and pedestrians on Kirtling Street	Battersea Station																		Y	Y		Y	Y				Y	Views partially screened by tall wall along Kirtling Street with views beyond to Battersea Power Station and cats and dogs home.	Low	
BR15	Road users and pedestrians on Sleaford Street	Battersea Station																		Y	Y		Y	Y	Y				Framed views between buildings on Sleaford Street beyond hoarding along Battersea Park Road which partially screens views of site and Battersea Power Station beyond.	Low	
BR16	People working on No. 1-8 Brooks Court, Kirtling Street	Battersea Station			Y		Y		Y											Y			Y						Views across Kirtling Street towards extensive vacant site, cleared to rubble surrounded by hoarding with buildings on Battersea Park Road beyond.	Low	
BR17	People working at warehouses on Battersea Park Road	Battersea Station					Y	Y	Y	Y											Y		Y				Y		Views mostly from external areas across Battersea Park Road partially screened by hoarding and walls. Views beyond to Battersea Power Station and gas holders	Low	
BR18	Residents of No. 33 Battersea Park Road	Battersea Station	Y	Y			Y	Y	Y													Y	Y				Y		Views across Battersea Park Road partially screened by trees, hoarding and walls. Views beyond to Battersea Power Station and gas holders.	High	
BR19	People working at and visiting the Duchess Public House, Battersea Park Road	Battersea Station	Y	Y			Y	Y	Y												Y			Y	Y				Views across Battersea Park Road partially screened by hoarding. Views beyond to Battersea Power Station and oblique views of cats and dogs home and London skyline	Low	

TfL: Northern Line Extension - Visual Receptor Schedule and Assessment of Effects

Ref	Name	Views Of	Receptor Location / Function														Degree				Baseline View Description	Sensitivity			
			Garden	Lower Floor	Upper Floor	Rear	Front	Side	Car Park	Industrial / Commercial	Pedestrians / Cyclists	Road	Rail	Open Space	Water	Other	Open	Partially Screened	Substantially Screened	Static			Kinetic	Direct	Oblique
BR20	Residents of Chelsea Bridge Wharf	Battersea Station			Y		Y										Y		Y				Y	Views across railway line into vacant derelict site with hoarding and buildings above along Battersea Park Road beyond. Battersea Power Station prominent in views to east.	High
BR21	People working at and visiting QVC building	Battersea Station			Y		Y										Y		Y		Y			Views across railway line into vacant derelict site with hoarding and buildings above along Battersea Park Road beyond. Battersea Power Station prominent in views to south. Distant views east towards London skyline.	Low
HS01	Residents of Kennington Park House	Harmsworth Street			Y	Y										Y			Y		Y			Views across De Laune Street across houses to Harmsworth Street junction with views towards London landmarks including the Shard and Strata Tower in the distance beyond.	High
HS02	Residents of No. 73-75 De Laune Street	Harmsworth Street	Y	Y	Y											Y			Y		Y			Close distance views of Harmsworth Street and De Laune Street junction with longer distance framed views along Harmsworth Street towards Doddington Place open space	High
HS03	Road users and pedestrians on De Laune Street	Harmsworth Street									Y	Y					Y		Y	Y	Y	Y		Views of Harmsworth Street and De Laune Street junction ranging from open to substantially screened.	Low
HS04	Residents of No. 84-90 De Laune Street and 1-3 Kennington	Harmsworth Street			Y	Y		Y									Y		Y		Y	Y		Views across rear gardens and wall and through intermittent vegetation towards Harmsworth Street and De Laune Street junction and houses beyond.	High
HS05	Residents of No. 6-11 De Laune Street and 12-22 Sharsted	Harmsworth Street			Y	Y		Y									Y		Y			Y		Views across rear gardens and wall and through intermittent vegetation towards Harmsworth Street and De Laune Street junction and houses on Kennington Park place beyond.	High
HS06	Residents of No. 1-7 Sharsted Street	Harmsworth Street	Y	Y			Y									Y			Y			Y		Views across Harmsworth Street and Sharsted Street junction towards application site within Harmsworth Street and De Laune Street and housing beyond.	High
HS07	Road users and pedestrians on Harmsworth Street	Harmsworth Street									Y	Y					Y			Y	Y			Framed views along Harmsworth Street between houses and walls either side of road.	Low
HS08	People working at and visiting No. 9 Harmsworth Street	Harmsworth Street	Y	Y			Y			Y						Y			Y			Y		Views across Harmsworth Street between houses and walls either side of road.	Low
HS09	Residents of No. 1-8 Harmsworth Street	Harmsworth Street	Y	Y			Y			Y						Y			Y			Y		Views across Harmsworth Street between houses and walls either side of road.	High
HS10	Residents of Harvard House, Doddington Grove	Harmsworth Street	Y	Y			Y									Y			Y		Y			Framed, middle-distance views along Harmsworth Street between houses and walls either side of road.	High
HS11	Residents of No. 76-77 De Laune Street	Harmsworth Street	Y	Y	Y											Y			Y			Y		Close distance views of Harmsworth Street and De Laune Street junction and houses either side	High
HS12	Residents of No. 70-72 De Laune Street	Harmsworth Street	Y	Y	Y											Y			Y			Y		Close distance views of Harmsworth Street and De Laune Street junction and houses either side	High
HS13	Residents of 90 De Laune Street	Harmsworth Street	Y	Y	Y		Y									Y			Y		Y			Close distance views across Harmsworth Street towards terraced dwellings and associated garden walls and garden vegetation of De Laune Street and Sharsted Street. Long distance views of The Strata.	High
HS14	Residents of No. 1-5 De Laune Street and 2-10 (even num	Harmsworth Street	Y	Y	Y		Y									Y			Y		Y	Y		Close distance views across Harmsworth Street towards terraced dwellings and associated garden walls and garden vegetation of De Laune Street and The Bishops House Grade II listed building.	High
KG01	Users of Tesco supermarket, Kennington Lane	Kennington Green							Y	Y								Y	Y		Y			Views through security fencing and across vacant site adjacent to Montford Place through gap in buildings on Kennington Road to northern edge of Kennington Green.	Low
KG02	Residents of No. 251-261 Kennington Lane	Kennington Green			Y	Y													Y	Y		Y		Views through security fencing and across vacant site adjacent to Montford Place through gap in buildings on Kennington Road to northern edge of Kennington Green.	High
KG03	Road users and pedestrians on Montford Place	Kennington Green								Y	Y								Y	Y		Y		Views through security fencing and across vacant site adjacent to Montford Place through gap in buildings on Kennington Road to northern edge of Kennington Green.	Low

TfL: Northern Line Extension - Visual Receptor Schedule and Assessment of Effects

Ref	Name	Views Of	Receptor Location / Function														Degree				Baseline View Description	Sensitivity				
			Garden	Lower Floor	Upper Floor	Rear	Front	Side	Car Park	Industrial / Commercial / Pedestrians	Cyclists	Road	Rail	Open Space	Water	Other	Open	Partially Screened	Substantially Screened	Static			Kinetic	Direct	Oblique	
KG04	People working at the Beefeater Gin Distillery	Kennington Green		Y	Y	Y											Y	Y		Y					Views across rear yard and tall enclosing wall towards Kennington Green and buildings on Kennington Road beyond.	Low
KG05	Residents of Montford Place	Kennington Green		Y	Y	Y													Y	Y			Y		Framed view between houses on Montford Place and tall enclosing wall of Beefeater Gin factory opposite of western part of Kennington Green with buildings on Kennington Road beyond.	High
KG06	Residents of No. 346 - 356 Kennington Road, Kennington	Kennington Green		Y	Y		Y										Y			Y		Y			Views across Kennington Road to Kennington Green with buildings along Kennington Road to the east and south and of the Beefeater Gin Factory to the west above tall enclosing wall and rear yard	High
KG07	Residents of No. 362-366 Kennington Road	Kennington Green		Y	Y		Y										Y			Y		Y			Views across Kennington Road to Kennington Green with buildings along Kennington Road to the east and south.	High
KG08	People working at and visiting bars and restaurants at Kennington	Kennington Green		Y	Y		Y										Y			Y		Y			Views across Kennington Road to Kennington Green with buildings along Kennington Road to the east and south and of the Beefeater Gin Factory to the west above tall enclosing wall and rear yard	Low
KG09	Residents of Sherwin House, Clayton Street	Kennington Green		Y	Y		Y											Y		Y		Y			Views across Kennington Road to Kennington Green with buildings along Kennington Road to the east and south.	High
KG10	Road users and pedestrians on Kennington Road	Kennington Green															Y	Y	Y		Y	Y	Y		Views of Harmsworth Street and De Laune Street junction ranging from open where adjacent to the application site to substantially screened between buildings	Low
KG11	People working at the Old Town Hall, Kennington Road	Kennington Green		Y	Y		Y											Y		Y			Y		Views across Kennington Road towards Kennington Green partially screened by street trees with buildings fronting the green beyond.	Low
KG12	People working at and visiting commercial premises on Kennington	Kennington Green		Y	Y		Y											Y		Y		Y			Views across Kennington Road towards Kennington Green partially screened by street trees with buildings fronting the green beyond.	Low
KG13	Residents of Hornby House, Kennington Road	Kennington Green		Y	Y		Y											Y		Y			Y		Views along Kennington Road to Kennington Green partially screened by street trees with buildings along Kennington Road to the east and south.	High
KG14	Road users and pedestrians on Milverton Street	Kennington Green																Y	Y			Y			Views along Milverton Street towards Kennington Green with buildings fronting the green and the Beefeater Gin Distillery above tall enclosing wall and rear yard beyond.	Low
KG15	Residents of former Vauxhall Manor School	Kennington Green		Y	Y		Y		Y									Y		Y		Y			Views across Kennington Road to Kennington Green partially screened by street trees with buildings fronting Kennington Green and the Beefeater Gin Distillery beyond.	High
KG16	People working at and visiting commercial premises on Kennington	Kennington Green		Y	Y		Y											Y		Y			Y		Views along Kennington Road to Kennington Green partially screened by street trees with buildings along Kennington Road to the east and south.	Low
KG17	Residents of flats above No. 2 Stannary Street and 405 Kennington	Kennington Green			Y		Y												Y		Y		Y		Views across Kennington Road and former Vauxhall Manor School car park towards Kennington Green partially screened by street trees with houses fronting green beyond	High
KG18	People working at and visiting offices at No. 405 Kennington	Kennington Green		Y	Y		Y											Y		Y			Y		Views along Kennington Road towards Kennington Green partially screened by street trees with houses fronting green and Kennington Road beyond	Low
KG19	Road users and pedestrians on Kennington Park Road	Kennington Green																		Y	Y	Y			Views along Kennington Road towards Kennington Green substantially screened by street trees and furniture with houses fronting green and Kennington Road beyond.	Low
KG20	Residents of Imperial Court	Kennington Green			Y	Y											Y			Y		Y			Views across an open and derelict site of the Beefeater Gin Distillery industrial site. Views beyond the Tesco Supermarket car park and gas holders	High
KP01	People working at and visiting The Lodge, Kennington Park	Kennington Park	Y	Y	Y	Y		Y											Y	Y			Y		Views across Kennington Park substantially screened by intervening mature trees and vegetation	Medium
KP02	Pedestrians on Kennington Park night walk	Kennington Park																		Y		Y		Y	Views across Kennington Park substantially screened by intervening mature trees and vegetation	Medium

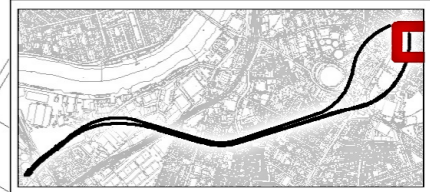
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KP03	Road users and pedestrians on A3 Kennington Park Road	Kennington Park																Y	Y											Y					Views across northern part of Kennington Park substantially screened by intervening mature trees and vegetation along western boundary of park.	Low		
KP04	Users of Kennington Park Cafe	Kennington Park																														Y				Views across Kennington Park substantially screened by intervening mature trees and vegetation	Medium	
KP05	Users of Kennington Park	Kennington Park																													Y	Y			Views across Kennington Park substantially screened by intervening mature trees and vegetation	Medium		
KP06	Residents of Kennington Park House, Kennington Park Place	Kennington Park			Y		Y																								Y		Y		Views across northern part of Kennington Park partially screened by intervening mature trees along northern boundary of park.	High		
KP07	Residents of No. 1-3 Kennington Park Place	Kennington Park		Y	Y		Y																								Y		Y		Views across northern part of Kennington Park partially screened by intervening mature trees along northern boundary of park.	High		
KP08	Users of Bishop's House Day Nursery, Kennington Park Place	Kennington Park			Y		Y																								Y		Y		Views across northern part of Kennington Park partially screened by enclosing wall and intervening mature trees along northern boundary of park.	Low		
KP09	Residents of Conant House, St. Agnes Place	Kennington Park		Y	Y		Y																									Y	Y		Views across northern part of Kennington Park partially screened by intervening mature trees along eastern boundary of park.	High		
KP10	Residents of No. 10-11 Kennington Park Place	Kennington Park		Y	Y		Y																								Y	Y		Y	Views across northern part of Kennington Park partially screened by intervening mature trees along eastern boundary of park. Open views of park keeper's cottage in north-eastern corner.	High		
KP11	Road users and pedestrians on Kennington Park Place	Kennington Park																														Y		Y	Views across northern part of Kennington Park partially screened by intervening mature trees along northern boundary of park.	Low		
KP12	Road users and pedestrians on Royal Road	Kennington Park																															Y	Y	Y	Framed views across north-eastern corner of Kennington Park substantially screened by mature trees on eastern edge of park. The gardens of park keeper's cottage and just visible.	Low	
KP13	Residents of No. 1-7 St. Agnes Place	Kennington Park	Y	Y	Y		Y																								Y	Y	Y		Open views of Kennington Park Lodge across St. Agnes Place. Views beyond into the northern part of the park are substantially screened by vegetation within the cottage gardens.	High		
KP14	Residents of No. 11-16 Kennington Park Place	Kennington Park		Y	Y		Y																									Y	Y	Y		Views across northern part of Kennington Park substantially screened by intervening mature trees along eastern boundary of park. Open views of park keeper's cottage in north-eastern corner.	High	
KP15	Users of Kean House open space	Kennington Park																														Y	Y	Y	Framed views between buildings on St. Agnes Place and Kennington Park Place of Kennington Park Lodge. Views beyond substantially screened by vegetation within the cottage gardens.	Medium		
KP16	Residents of Kean House, Kennington Park Place	Kennington Park		Y	Y	Y																										Y	Y	Y		Framed views between buildings on St. Agnes Place and Kennington Park Place of Kennington Park Lodge. Views beyond substantially screened by vegetation within the cottage gardens.	High	
NE01	Railway passengers - Vauxhall line	Nine Elms																														Y			Y	Views across application site from this elevated position of industrial buildings and Covent House occupied by Banham and chimney stack.	Low	
NE02	Residents of Bramley Crescent	Nine Elms		Y	Y		Y																										Y	Y		Y	Glimpsed views between houses on Bramley Crescent towards industrial buildings and chimney stack occupied by Banham on the southern edge of the application site screening views beyond.	High
NE03	Residents of Pascal Street	Nine Elms	Y	Y	Y		Y																										Y		Y	Close distance views across Pascal Street of industrial buildings occupied by Banham and supermarket car park on the southern edge of the application site screening views beyond.	High	
NE04	Road users and pedestrians on Pascal Street	Nine Elms																															Y		Y	Y	Close distance views across Pascal Street of industrial buildings occupied by Banham and supermarket car park on the southern edge of the application site screening views beyond.	Low
NE05	Residents of Charman House, Bramley Crescent	Nine Elms			Y		Y																									Y	Y		Y	Industrial buildings with chimney stack fronting Pascal Street occupied by Banham on the southern edge of the application visible above houses on Bramley Crescent. Supermarket and tall buildings on horizon beyond.	High	

TfL: Northern Line Extension - Visual Receptor Schedule and Assessment of Effects

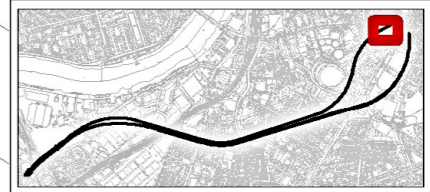
Ref	Name	Views Of
RS08	Pedestrians and road users of Stannary Street	Radcot Street

Receptor Location / Function																Degree					Baseline View Description	Sensitivity
Garden	Lower Floor	Upper Floor	Rear	Front	Side	Car Park	Industrial / Commercial	Pedestrians / Cyclists	Road	Rail	Open Space	Water	Other	Open	Partially Screened	Substantially Screened	Static	Kinetic	Direct	Oblique		
	Y			Y				Y	Y							Y		Y		Y	Framed views along Stannary Street towards Ravensdon Street and Radcot Street between buildings and street trees on Stannary Street. Glimpsed views towards application site partially screened by trees on Stannary Street. Long distance view of The Shard glimpsed over rooftops	Low



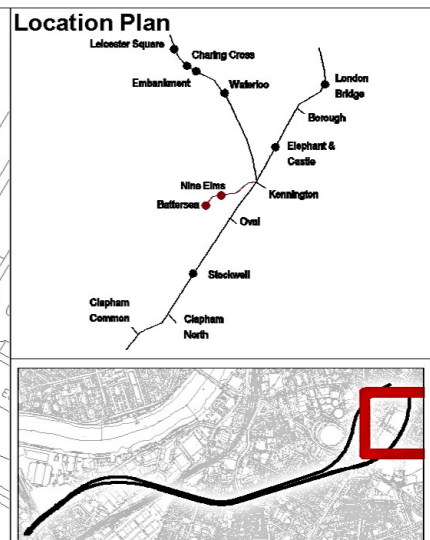
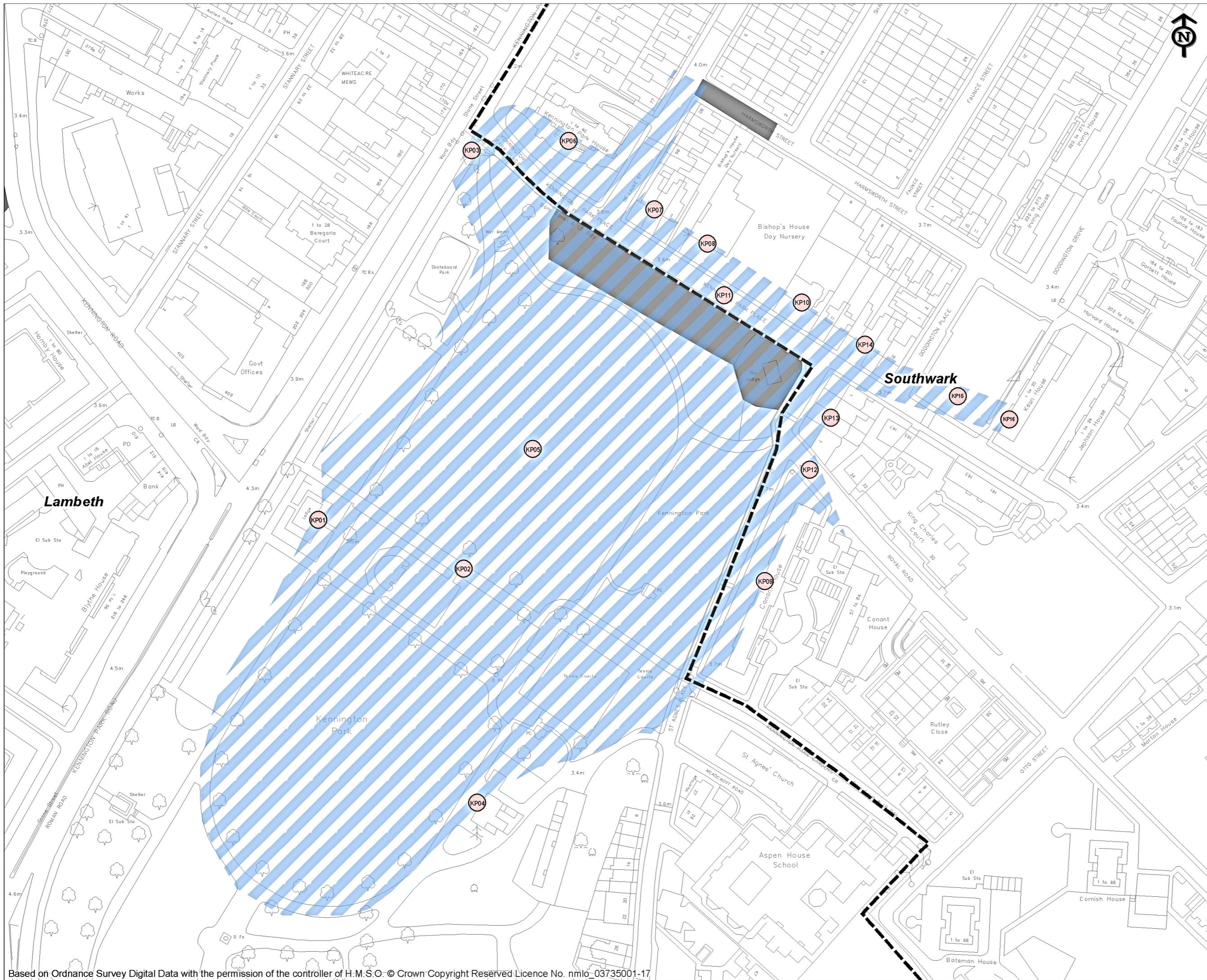
- Key:**
- Borough Boundary
 - Indicative Construction Sites
 - Visual Receptors
 - Indicative ZVI

Client:		Transport for London
Project:		NORTHERN LINE EXTENSION TO BATTERSEA
Drawing:		TOWNSCAPE AND VISUAL IMPACT ASSESSMENT HARMSWORTH STREET - VIEWS
Suitability:		S4 FORMAL ISSUE TO CLIENT
Drawn by:	DT	Date: 13/03/2013
Checked by:	TW	Date: 13/03/2013
Approved by:	JR	Date: 13/03/2013
Drawing No:	Figure 15-4	
Revision No:	01	



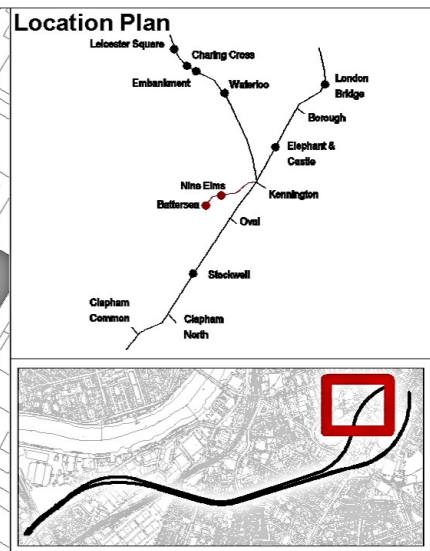
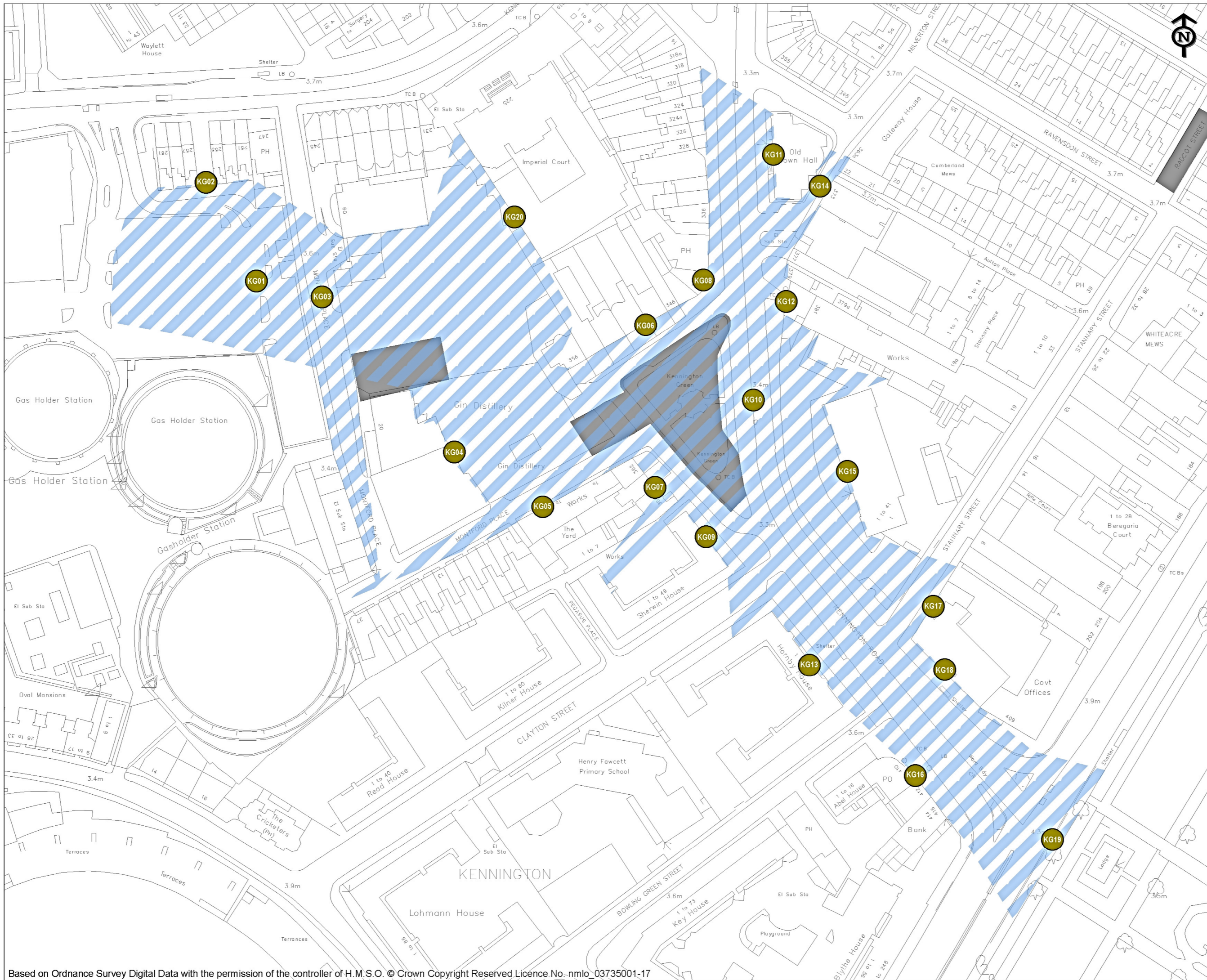
- Key:**
- Borough Boundary
 - Indicative Construction Sites
 - Visual Receptors
 - Indicative ZVI

Client:		Transport for London
Project:		NORTHERN LINE EXTENSION TO BATTERSEA
Drawing:		TOWNSCAPE AND VISUAL IMPACT ASSESSMENT RADCOT STREET - VIEWS
Suitability:		S4 FORMAL ISSUE TO CLIENT
Drawn by:	DT	Date: 13/03/2013
Checked by:	TW	Date: 13/03/2013
Approved by:	JR	Date: 13/03/2013
Drawing Scale:		1:500 @ A3
Drawing No:	Figure 15-5	
Revision:	01	



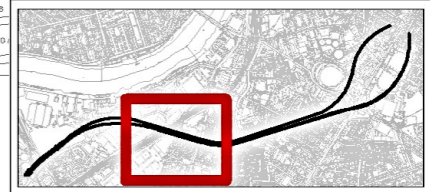
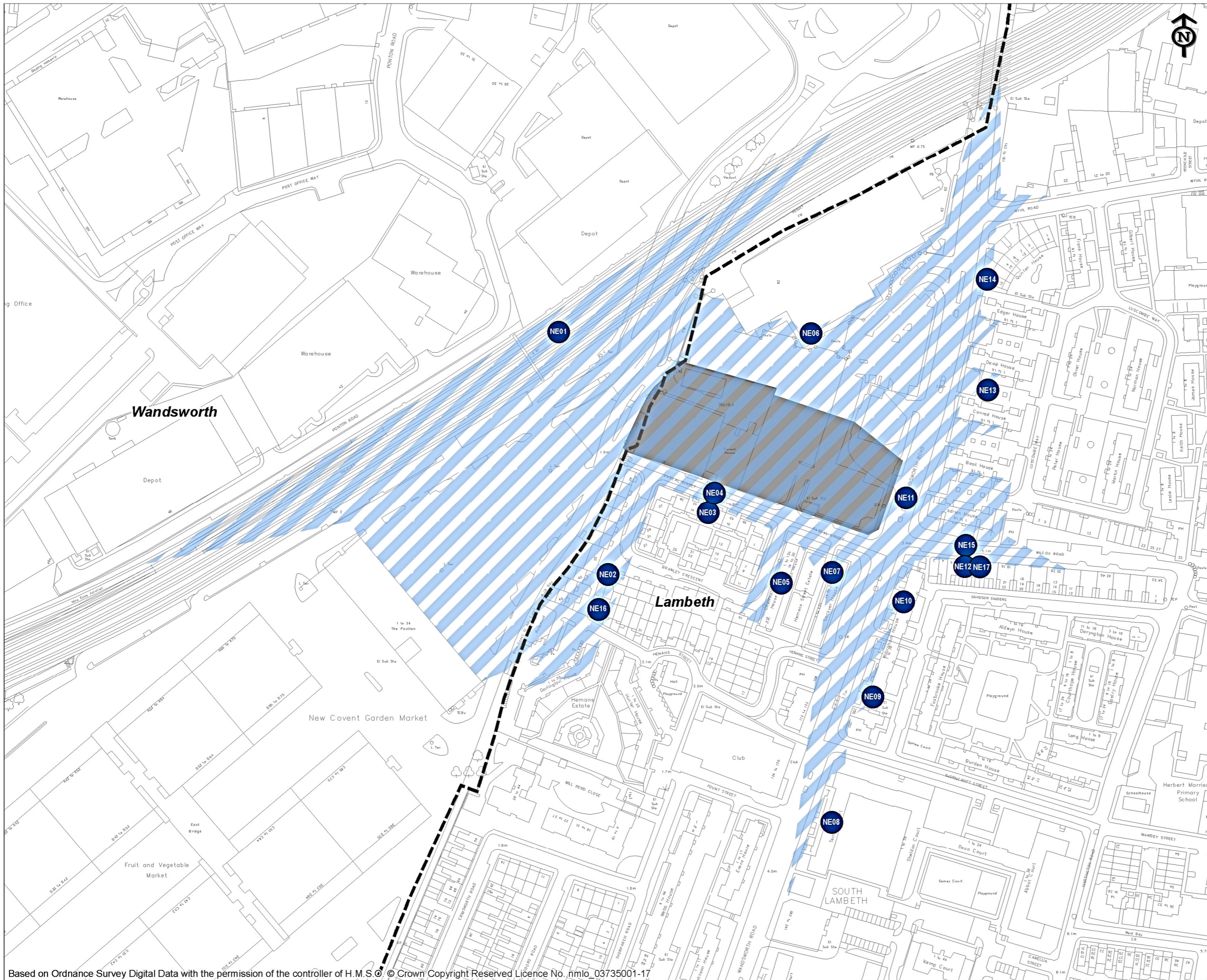
- Key:**
- Borough Boundary
 - Indicative Construction Sites
 - Visual Receptors
 - Indicative ZVI

Client:	
Transport for London	
URS	
Project:	
NORTHERN LINE EXTENSION TO BATTERSEA	
Drawing:	
TOWNSCAPE AND VISUAL IMPACT ASSESSMENT KENNINGTON PARK - VIEWS	
Suitability:	
S4 FORMAL ISSUE TO CLIENT	
Drawn by:	DT Date: 13/03/2013
Checked by:	TW Date: 13/03/2013
Approved by:	JR Date: 13/03/2013
Drawing Scale: 1:1,500 @ A3	
Drawing No:	Figure 15-6
Revision:	01



- Key:**
- Borough Boundary
 - Indicative Construction Sites
 - Visual Receptors
 - Indicative ZVI

Client:	
Transport for London	
URS	
Project:	
NORTHERN LINE EXTENSION TO BATTERSEA	
Drawing:	
TOWNSCAPE AND VISUAL IMPACT ASSESSMENT KENNINGTON GREEN - VIEWS	
Suitability:	
S4 FORMAL ISSUE TO CLIENT	
Drawn by:	DT Date: 13/03/2013
Checked by:	TW Date: 13/03/2013
Approved by:	JR Date: 13/03/2013
Drawing Scale: 1:1,250 @ A3	
Drawing No:	Revision:
Figure 15-7	01



- Key:**
- Borough Boundary
 - Indicative Construction Sites
 - Visual Receptors
 - Indicative ZVI

Client: **Transport for London**

URS

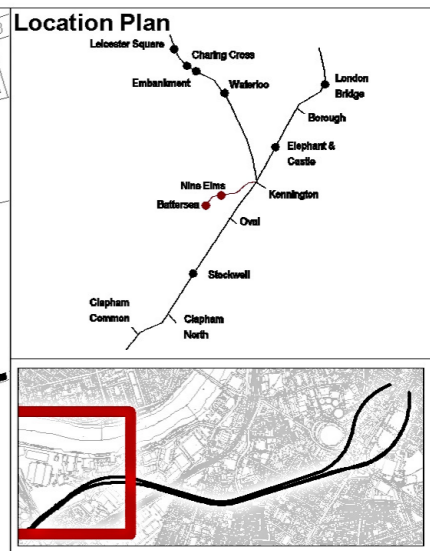
Project: **NORTHERN LINE EXTENSION TO BATTERSEA**

Drawing: **TOWNSCAPE AND VISUAL IMPACT ASSESSMENT NINE ELMS STATION - VIEWS**

Suitability: **S4 FORMAL ISSUE TO CLIENT**

Drawn by: DT Date: 13/03/2013
 Checked by: TW Date: 13/03/2013
 Approved by: JR Date: 13/03/2013

Drawing Scale: 1:2,001 @ A3
 Drawing No: **Figure 15-8** Revision: **01**



- Key:**
- Borough Boundary
 - Indicative Construction Sites
 - Visual Receptors
 - Indicative ZVI

Client:	Transport for London
Project:	NORTHERN LINE EXTENSION TO BATTERSEA
Drawing:	TOWNSCAPE AND VISUAL IMPACT ASSESSMENT BATTERSEA STATION - VIEWS
Suitability:	S4 FORMAL ISSUE TO CLIENT
Drawn by:	DT Date: 13/03/2013
Checked by:	TW Date: 13/03/2013
Approved by:	JR Date: 13/03/2013
Drawing Scale:	1:3,001 @ A3
Drawing No:	Figure 15-9
Revision:	01