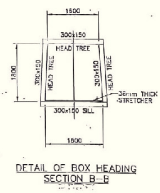


SOUTHBOUND ACCESS & VENTILATION TUNNEL
JUNCTION WITH SHIELD DISMANTLING CHAMBER
PLAN SCALE 1:200

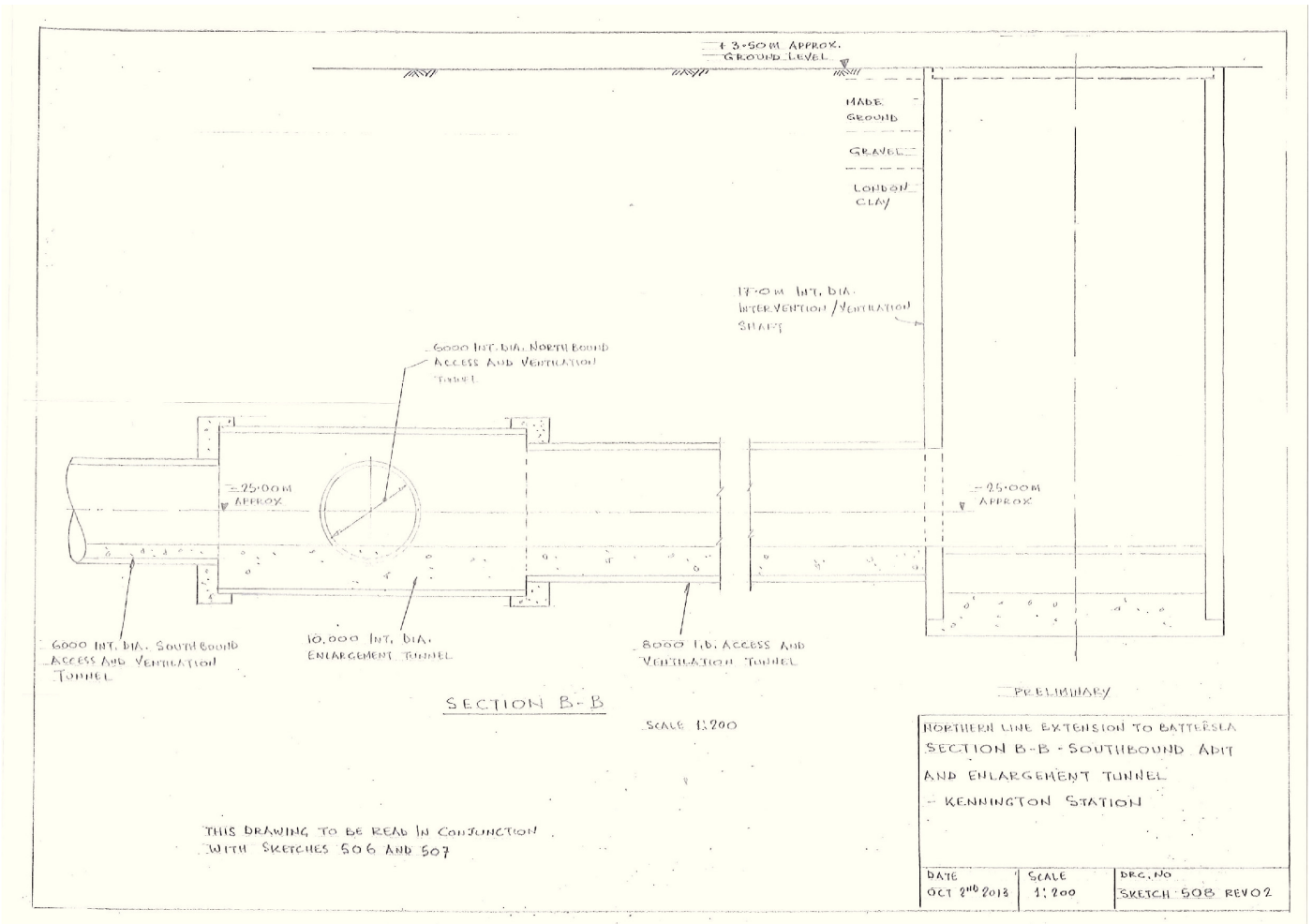
FOR OTHER END OF TUNNEL (AT ENTRY TO 17.0M SHAFT) SEE SKETCHES 502 & 503

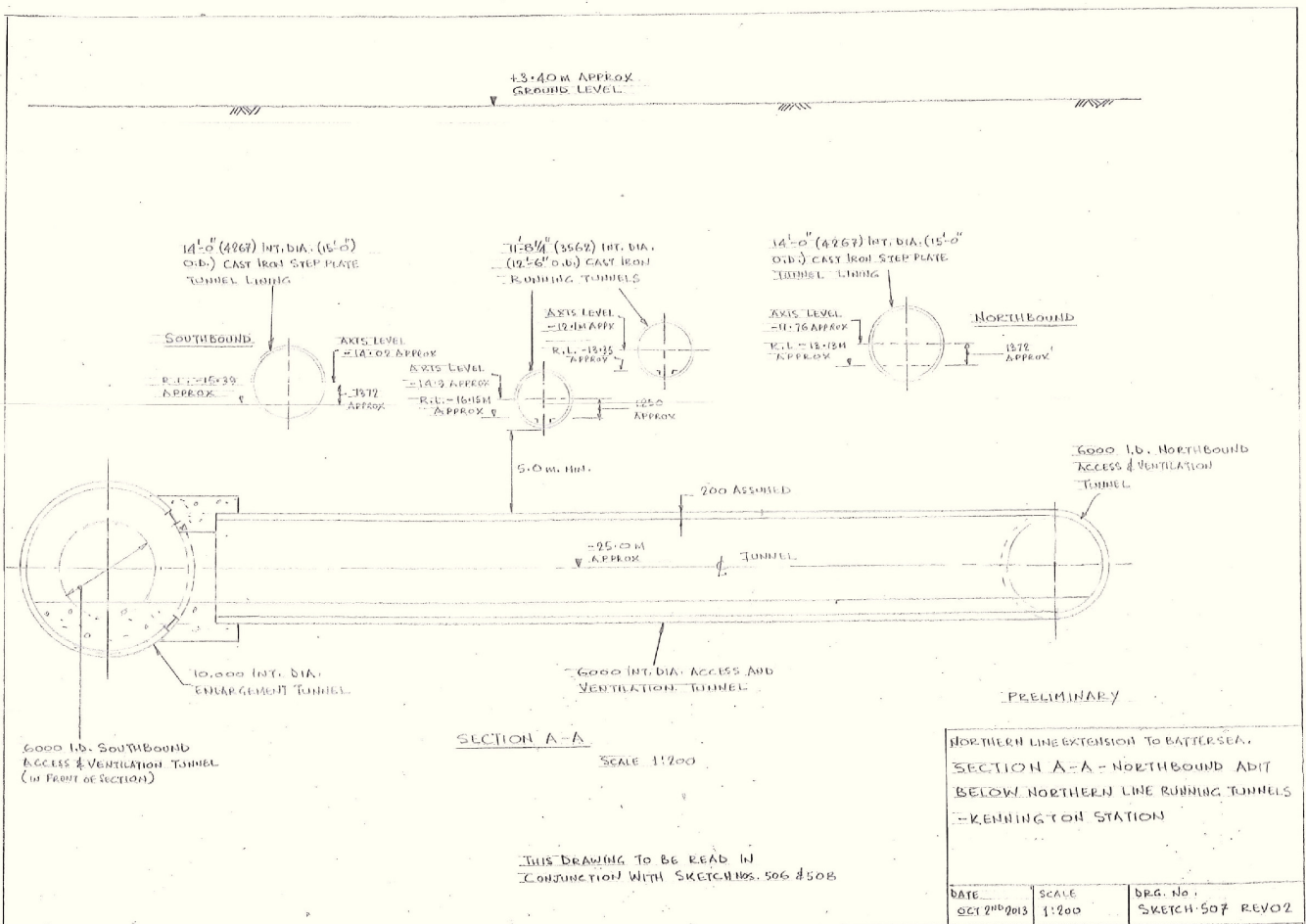


DETAIL OF BOX HEADING SECTION B-B

NORTHERN LINE EXTENSION TO BATTERSEA
RENNINGTON STEP-PLATE - SOUTHBOUND TUNNEL
DETAILS OF ACCESS & VENTILATION TUNNEL
ADJACENT TO T.B.M. DISMANTLING CHAMBER, PLAN AND SECTION

DATE	SCALE	DWG. NO.
25/03/2013	AS SHOWN	SKETCH 505 REV 02





Technical Note

15/10/13

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Project: Northern Line Extension

Subject: Kennington Station shaft – Activity 104

Appendix B

3D image figures of shaft options

Figure A – Alternative vent shaft – Vauxhall Telephone Exchange option (Adits below the existing Northern line)

Figure B – Alternative vent shaft – Vauxhall Telephone Exchange option (Adits below the existing Northern line)

Figure C – Alternative vent shaft – Vauxhall Telephone Exchange option (Adits above the existing Northern line)

Figure D – Alternative vent shaft – Vauxhall Telephone Exchange option (Adits above the existing Northern line)

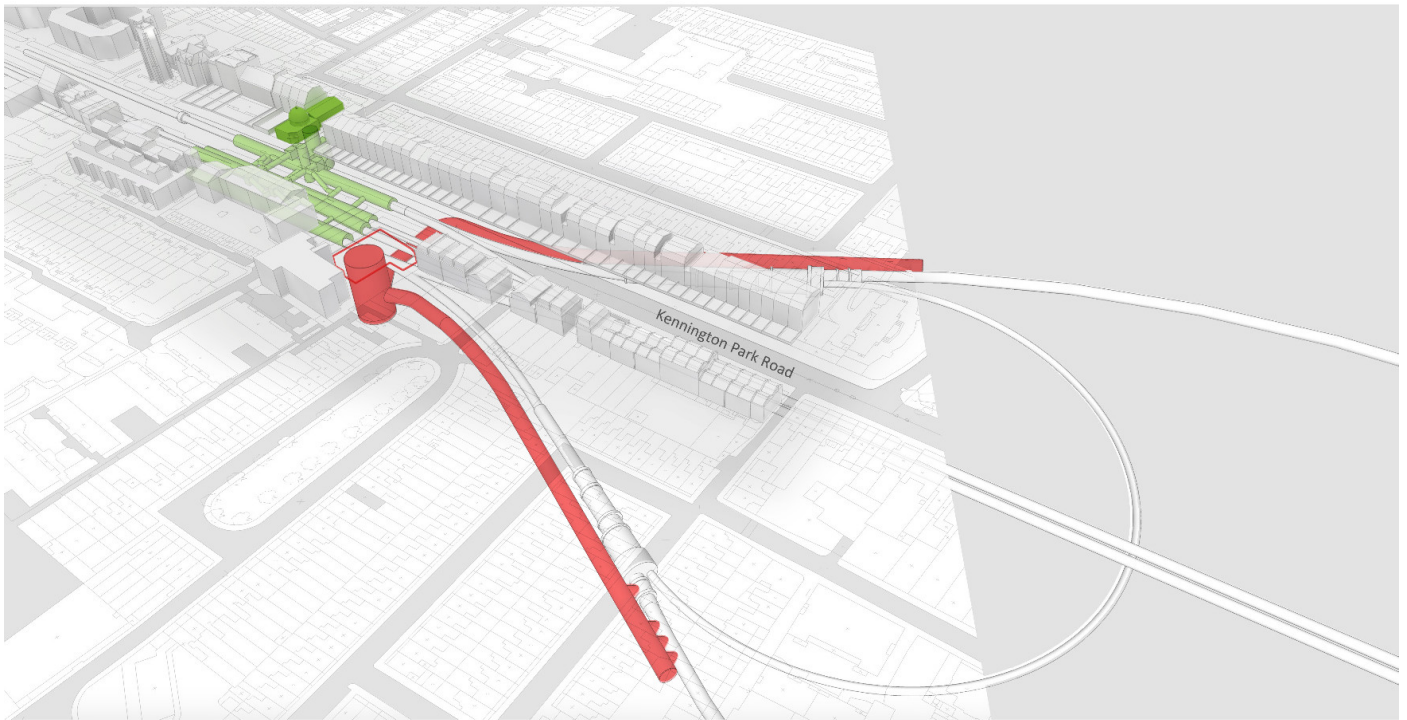
Figure E – Alternative vent shaft – Kennington Station option

Figure F – Alternative vent shaft – Kennington Station option

Kennington Station

Alternative vent shaft - Vauxhall Telephone Exchange option

Figure A



Key

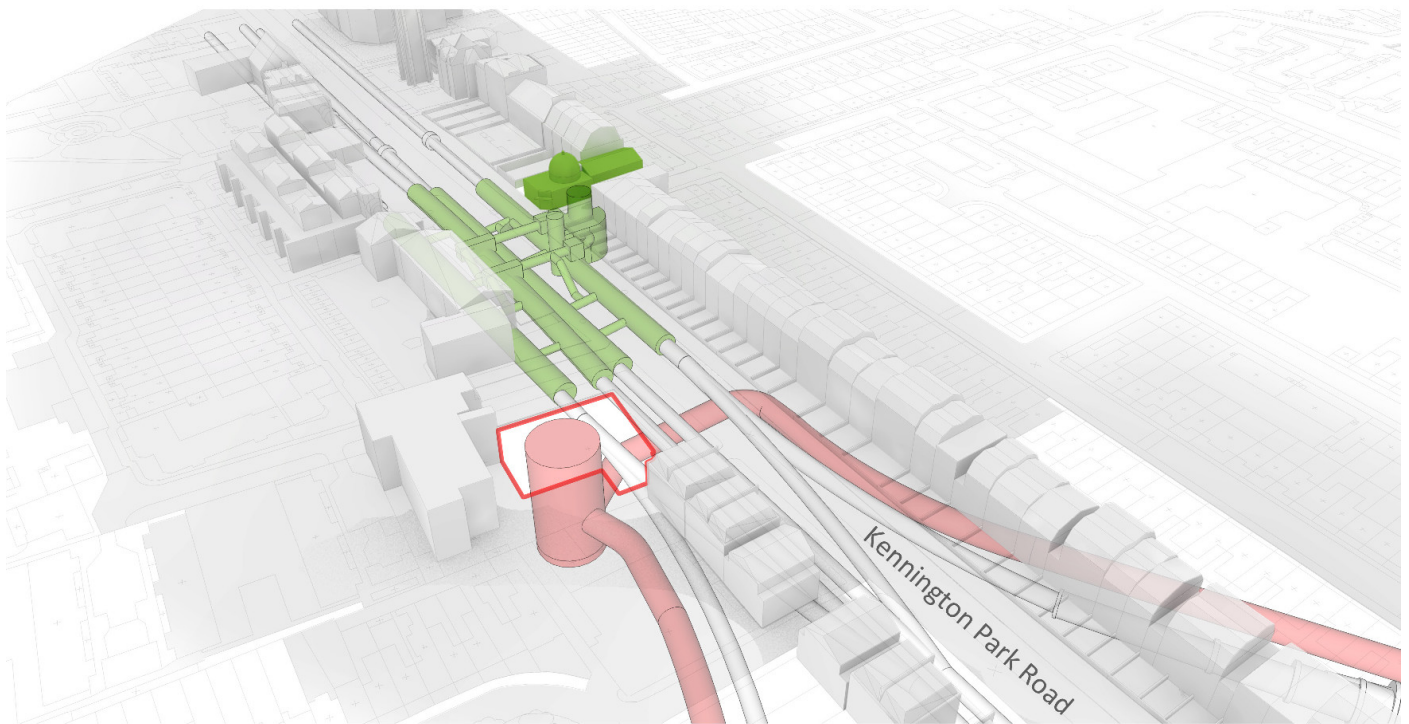
- Kennington Station
- Proposed shaft and adits (below existing NL)
- Vauxhall Telephone Exchange extension footprint

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Kennington Station

Alternative vent shaft - Vauxhall Telephone Exchange option

Figure B



Key

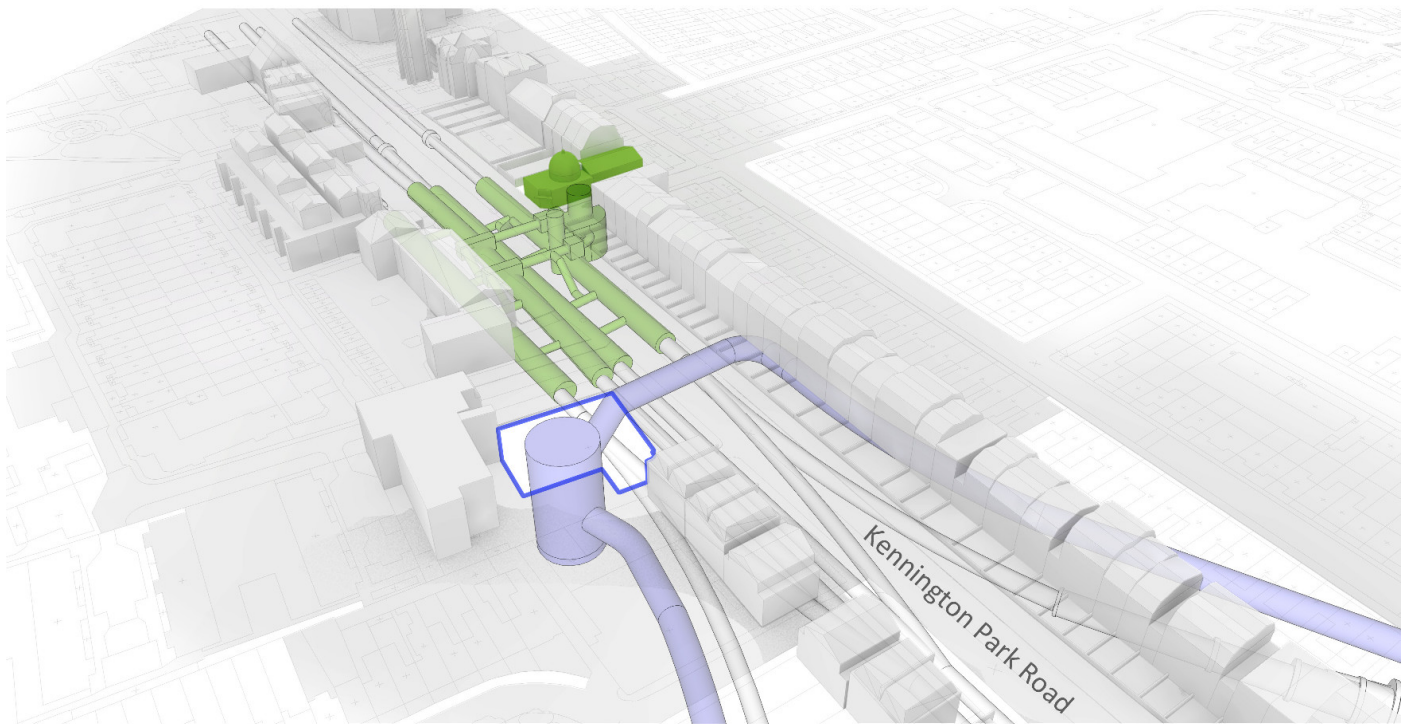
- Kennington Station
- Proposed shaft and adits (below existing NL)
- Vauxhall Telephone Exchange extension footprint

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Kennington Station

Alternative vent shaft - Vauxhall Telephone Exchange option

Figure D



Key

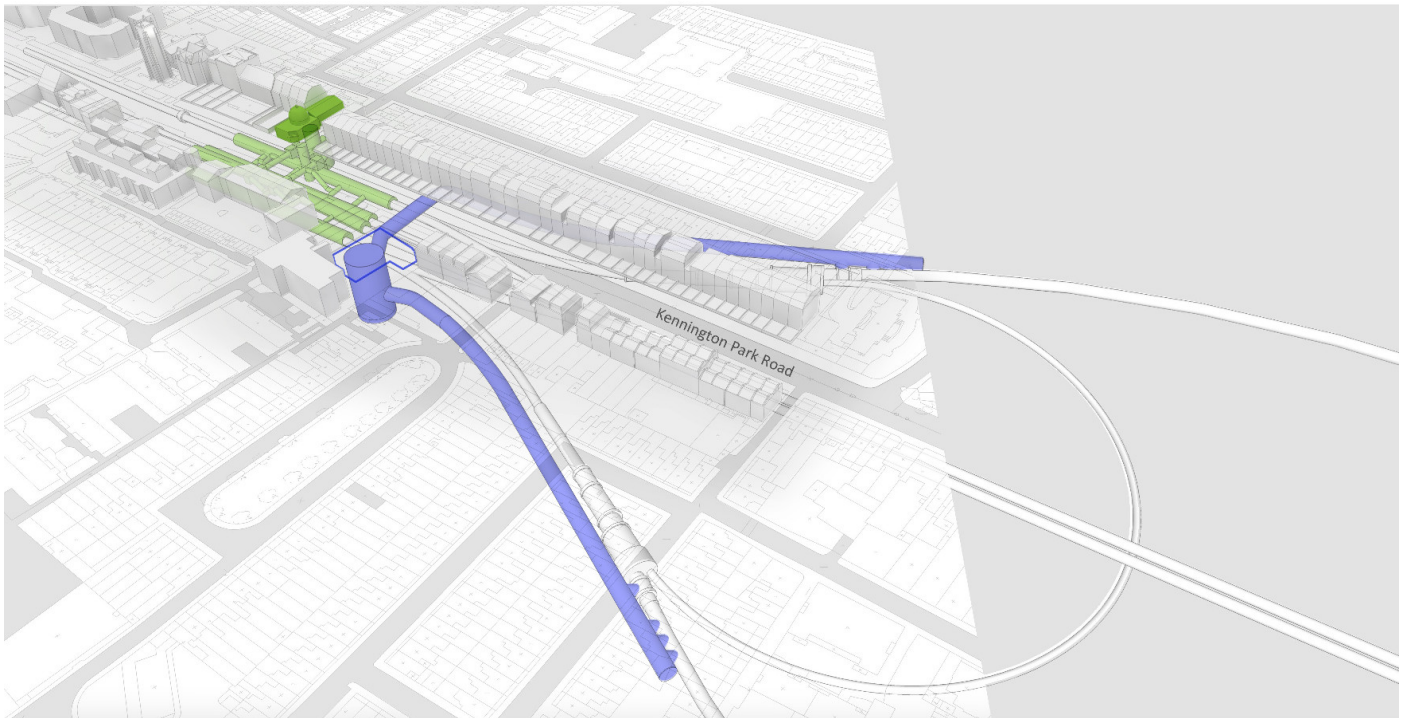
- Kennington Station
- Proposed shaft and adits (above existing NL)
- Vauxhall Telephone Exchange extension footprint

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Kennington Station

Alternative vent shaft - Vauxhall Telephone Exchange option

Figure C



Key

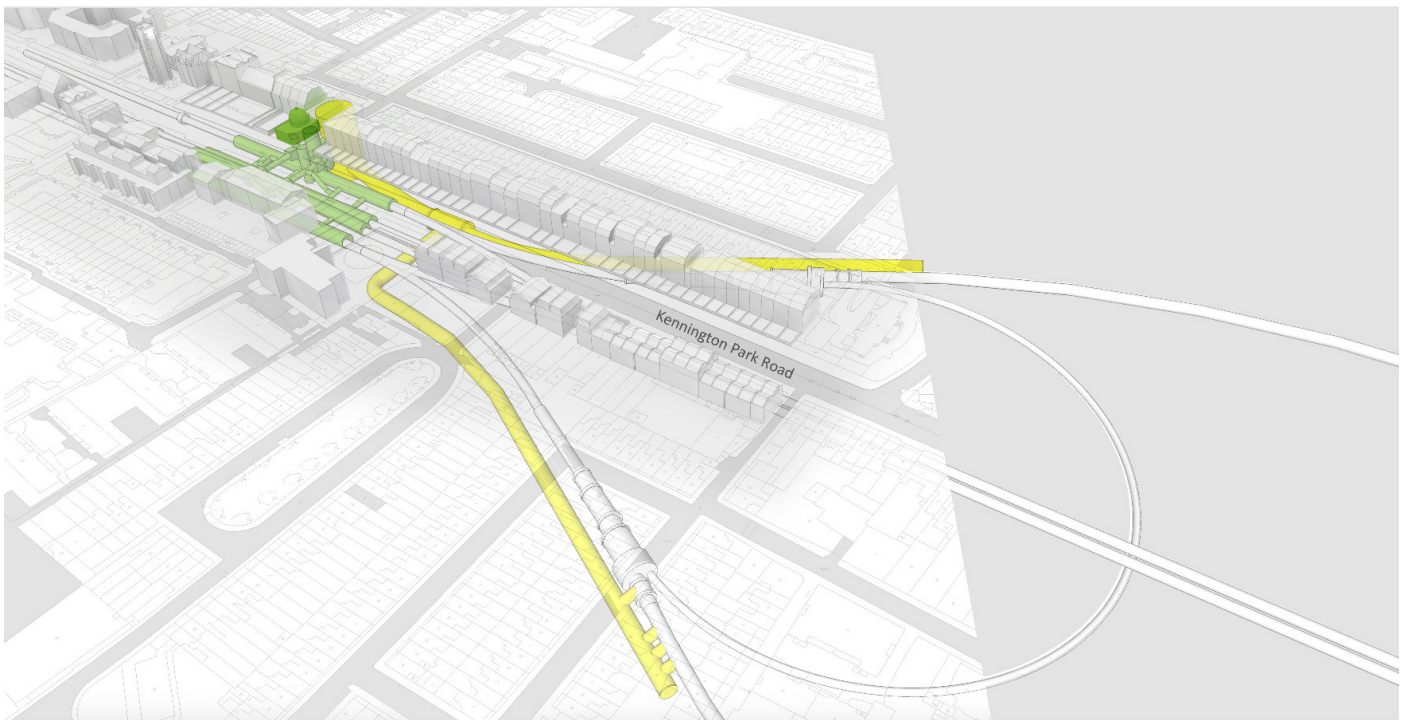
- Kennington Station
- Proposed shaft and adits (above existing NL)
- Vauxhall Telephone Exchange extension footprint

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Kennington Station

Alternative vent shaft - Kennington Station Option

Figure E



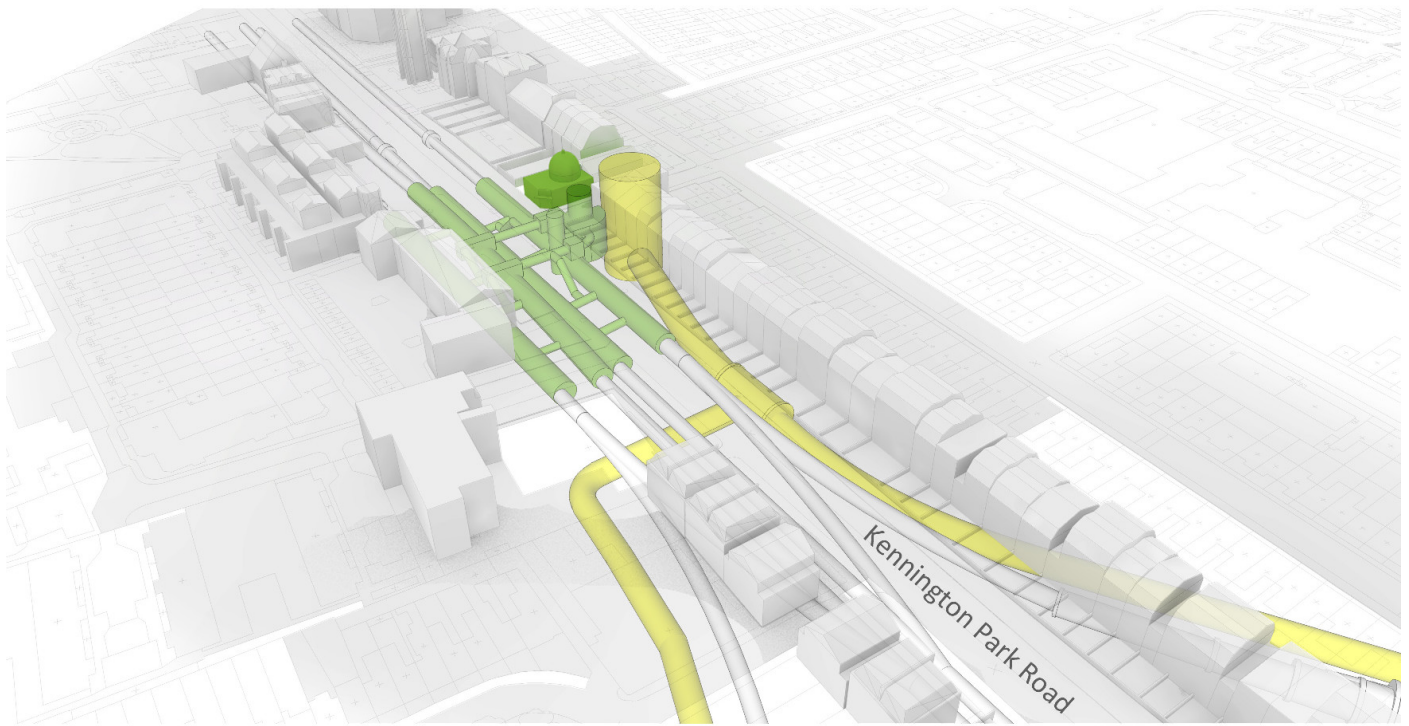
- Key
- Kennington Station
 - Proposed shaft and adits

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Kennington Station

Alternative vent shaft - Kennington Station Option

Figure F



- Key
- Kennington Station
 - Proposed shaft and adits

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Appendix 5

Glossary and abbreviations

GLOSSARY

Abbreviation	Definition
AD:B	Approved Document B
AOD	Above Ordnance Datum. The distance above the mean tides at Newlyn, Cornwall.
BDCH	Battersea Dogs and Cats Home
BoH	Back of House
BPS	Battersea Power Station
BPSDC	Battersea Power Station Development Company
BPSJ	Battersea Power Station Jetty
BPSMP	Battersea Power Station Master Plan
CP	Cross Passages
CCTV	Closed Circuit Television
CGMA	Covent Garden Market Authority
D&B	Design & Build
DNO	Distribution Network Operator
EA	Environment Agency
ES	Environmental Statement
EDR	Engineering Design Report
EPBM	Earth Pressure Balance (tunnelling) Machine
FRA	Flood Risk Assessment
GI	Ground Investigation
GLAP	Gate Line Attendance Point
HV	High Voltage
ITT	Invitation to Tender
LFB	London Fire Brigade
LFEPA	London Fire and Emergency Planning Authority
LUL	London Underground Limited
LV	Low Voltage
m	Metre
NLE	Northern Line Extension
OD	Ordnance Datum
OSD	Over Site Development
OTE	Over Track Exhaust
POM	Person Operated (ticket) Machine
REO	Real Estate Opportunities
RIBA C	Royal Institution of British Architects Design Stage C
S&C	Switches and crossings
SCL	Sprayed Concrete Lining
SDG	Steer Davies Gleave
SGI	Spheroidal Graphite Iron. A construction method using cast

	iron linings for support in connecting new tunnels to existing ones.
SOR	Station Operations Room
SSL	Sainsbury's Supermarkets Limited
SSO	Station Supervisors Office
TBM	Tunnel Boring Machine
TfL	Transport for London
THUK	Treasury Holdings UK
TWAO	Transport and Works Act Order. Can Authorise railways, tramways, guided transport schemes and certain other types of infrastructure project in England and Wales.
TWRM	Thames Water Ring Main
UPE	Under Platform Exhaust