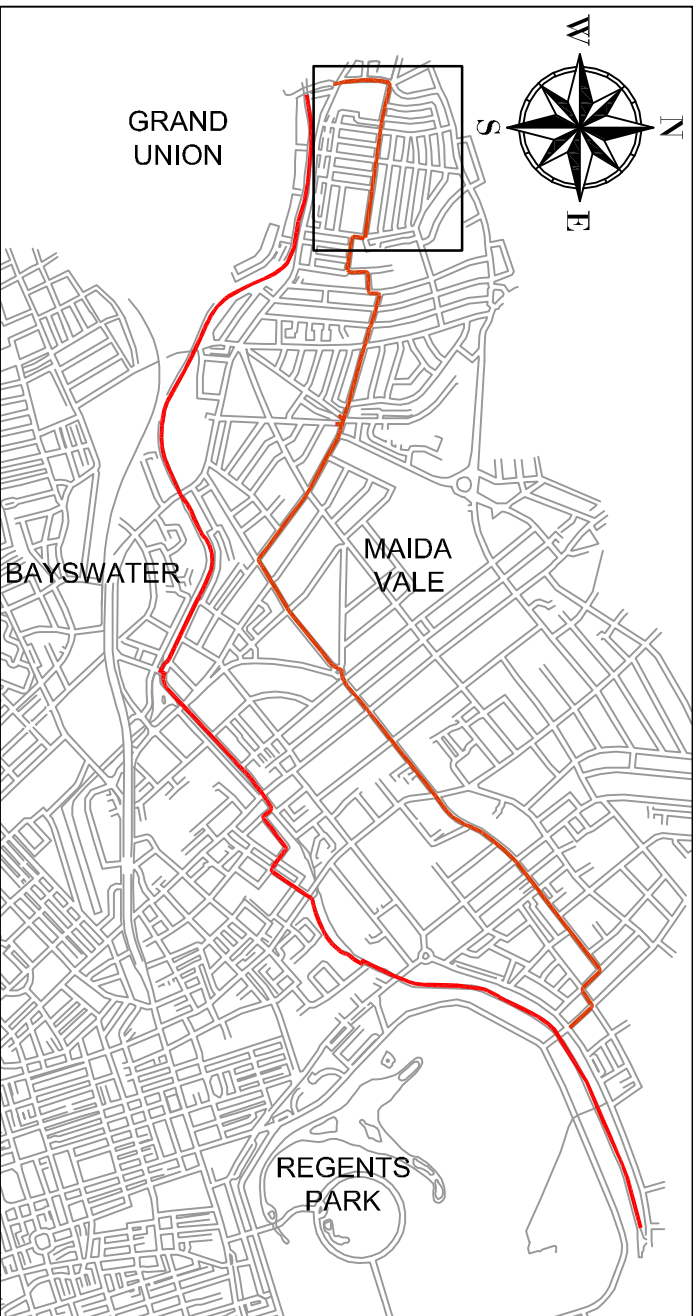


KEY:

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- SOME INTERVENTION REQUIRED TO ENABLE ROUTE ALIGNMENT
- SIGNIFICANT BARRIER FOR CYCLISTS. MAJOR INTERVENTION REQUIRED
- ONE WAY ROAD
- CYCLE HIRE LIVE SITES
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LOCATION PLAN
N.T.S.

A	10.08.13	TA	FOR ISSUE TO TPL	HS	NW
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS: PRELIMINARY

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PROJECT					
LONDON CYCLE GRID FEASIBILITY STUDY					
TITLE					
GRAND UNION QUIETWAY ALTERNATIVE ROUTE ASSESSMENT SHEET 1 OF 6					
SCALE @ A1	DATE	DESIGNED BY	CHECKED BY	APPROVED BY	SHEET
1:1000	AUG 2013	HS	HG	JWH	A1
JOB NO:			BRIEF/DSS NO:		
11677288			14563		
DRAWING NO:					REV.
11677288-P-AGU-01					A

JUNCTION Kilburn Lane / Ilbert Street

- DESCRIPTION / ISSUES**
- Stopped up access into Ilbert Street
 - Difficult 90° right turn
- CONSTRAINTS**
- Stopped up access into Ilbert Street
 - Difficult 90° right turn
- POTENTIAL INTERVENTIONS**
- Providing a cut through for cyclists for connection between Ilbert Street and Kilburn Lane
 - Investigate Tiger crossing or upgrade to pelican crossing with right turn cycle phase



LINK Third Avenue

- DESCRIPTION / ISSUES**
- Parking and loading requirements
 - Narrow for two way traffic
 - Traffic flow low
 - Raised junction at jct with Caird Street
- CONSTRAINTS**
- Parking requirements
 - Width of road approx. 8m - usable 4m
- POTENTIAL INTERVENTIONS**
- Remove 1 bay from north-west side of Third Avenue before raised junction for lead in to pinch point



LINK Lancefield Street

- DESCRIPTION / ISSUES**
- Two way with parking on both sides of the road
- CONSTRAINTS**
- Parking requirements
 - Width of road approx 8m - usable 4m
- POTENTIAL INTERVENTIONS**
- Provide gaps in parking to avoid conflict by passing vehicles



LINK Kilburn Lane

- DESCRIPTION / ISSUES**
- High traffic flows including buses
 - Bus routes 28, 52, 316, 452 & N18
- CONSTRAINTS**
- Widths of carriageway vary along (13.4m - 10.6m - 6.7m - 8m)
 - Servicing requirements on east side
 - Frequent route for buses
- POTENTIAL INTERVENTIONS**
- Investigate traffic calming options along road



JUNCTION Ladbrooke Grove / Kilburn Lane

- DESCRIPTION / ISSUES**
- Large four arm signalised junction
 - Heavy flows from each direction
 - Existing ASL's faded and being ignored
 - Intimidating junction
 - DYs around junction mouth
- CONSTRAINTS**
- All movements across junction allow and potential for conflict at centre of junction
 - Very busy junction, as both Ladbrooke Grove and Harrow Road have high flows
- POTENTIAL INTERVENTIONS**
- Timings of junction to be reviewed
 - Potential to ban movements to lessen potential conflicts
 - Junction to be modelled to see if cycle phase can be added
 - Provision of controlled crossing facilities to benefit pedestrians



LINK Caird Street

- DESCRIPTION / ISSUES**
- Two way with parking on both sides of the road
 - Jubilee sports centre located on street, sports centre to be redeveloped
 - Raised junction at jct with Third Avenue
- CONSTRAINTS**
- Parking requirements
 - Width of road approx. 7.6m - usable 3.6m
- POTENTIAL INTERVENTIONS**
- Development of Jubilee sports centre, opportunity to provide shared space





LINK

Shirland Road

DESCRIPTION / ISSUES

- Two way with parking on both sides of the road
- Build-outs on at all four corners of jct with Portnall Road

CONSTRAINTS

- Parking requirements
- Width of road approx 8.3m - usable 4.3m

POTENTIAL INTERVENTIONS

- Provide gaps in parking to avoid conflict by passing vehicles
- Shorten centre marking at each end of Shirland Road at jct with Bravington Road and Ashmore Road

LINK

Bravington Road

DESCRIPTION / ISSUES

- Two way with parking on both sides of the road
- Speed humps along Bravington Road

CONSTRAINTS

- Parking requirements
- Width of road approx 8.5m - usable 4.5m

POTENTIAL INTERVENTIONS

- Provide gaps in parking to avoid conflict by passing vehicles
- Remove centre marking within stretch of Bravington Road

JUNCTION

Shirland Road / Fernhead Road

DESCRIPTION / ISSUES

- Existing mini roundabout

CONSTRAINTS

- High bus flows
- Road geometry

POTENTIAL INTERVENTIONS

- Geometry too narrow for 'continental' style roundabout but proposed mini roundabout improved, speed table incorporated and raise central island.

LINK

Shirland Road

DESCRIPTION / ISSUES

- High bus flows - uncomfortable environment for cyclists
- Heavy parking requirements
- Carriageway width approx. 10m
- Speeding traffic

CONSTRAINTS

- High bus flows

POTENTIAL INTERVENTIONS

- Investigation into traffic calming solution

LINK

Mozart Street

DESCRIPTION / ISSUES

- Two way with parking on both sides of the road
- Build-outs on western end of Mozart Street

CONSTRAINTS

- Parking requirements
- Width of road approx 8m - usable 4m

POTENTIAL INTERVENTIONS

- Provide gaps in parking to avoid conflict by passing vehicles
- Reduce centre marking at each end of Mozart Street

LINK

Shirland Road - one way section

DESCRIPTION / ISSUES

- One way section of Shirland Road (north-westbound) with parking on both sides of the road
- Existing contra flow facility, traffic lane for north-westbound vehicles 2.4m, vehicles cross into cycle lane

CONSTRAINTS

- North-westbound traffic lane too narrow, vehicles using cycle lane

POTENTIAL INTERVENTIONS

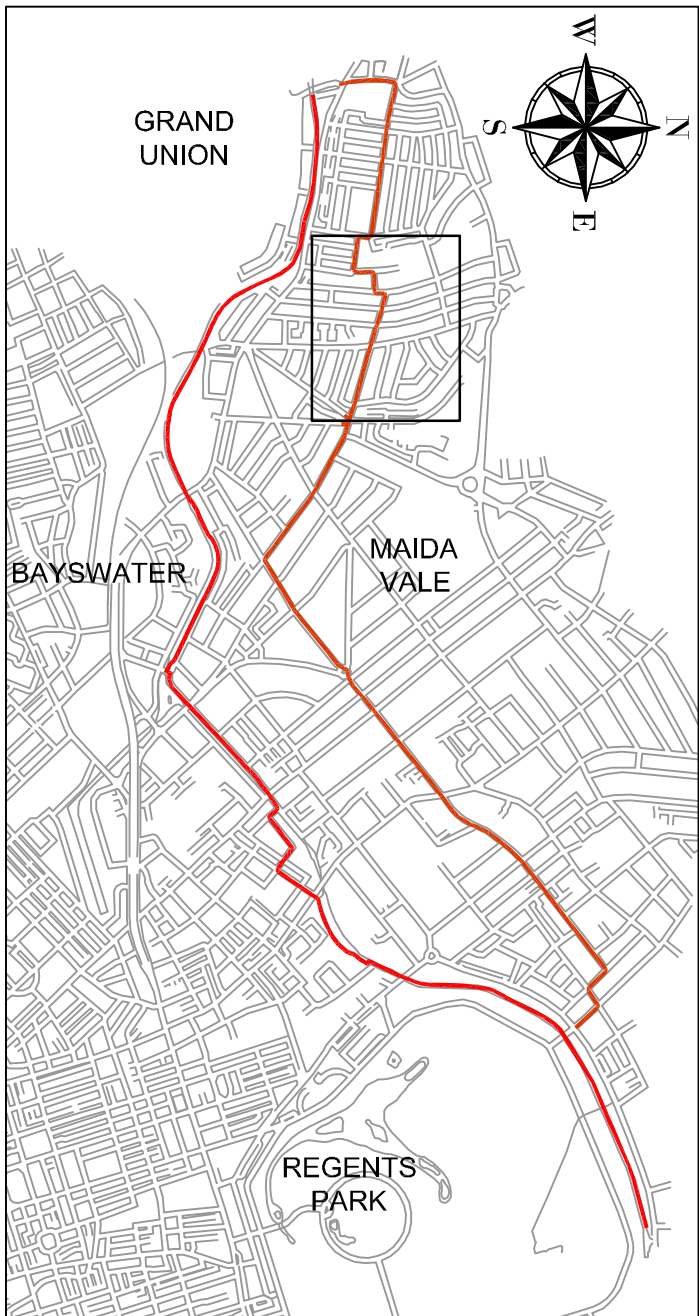
- Relocate cycle lane 0.5m north-east to provide 2.9m traffic lane. Cut back build-out on north-western side by 0.5m

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LOCATION PLAN
N.T.S

A	10.08.13	TA	FOR ISSUE TO TPL	HS	NW
REV	DATE	BY	DESCRIPTION	CHK	APD

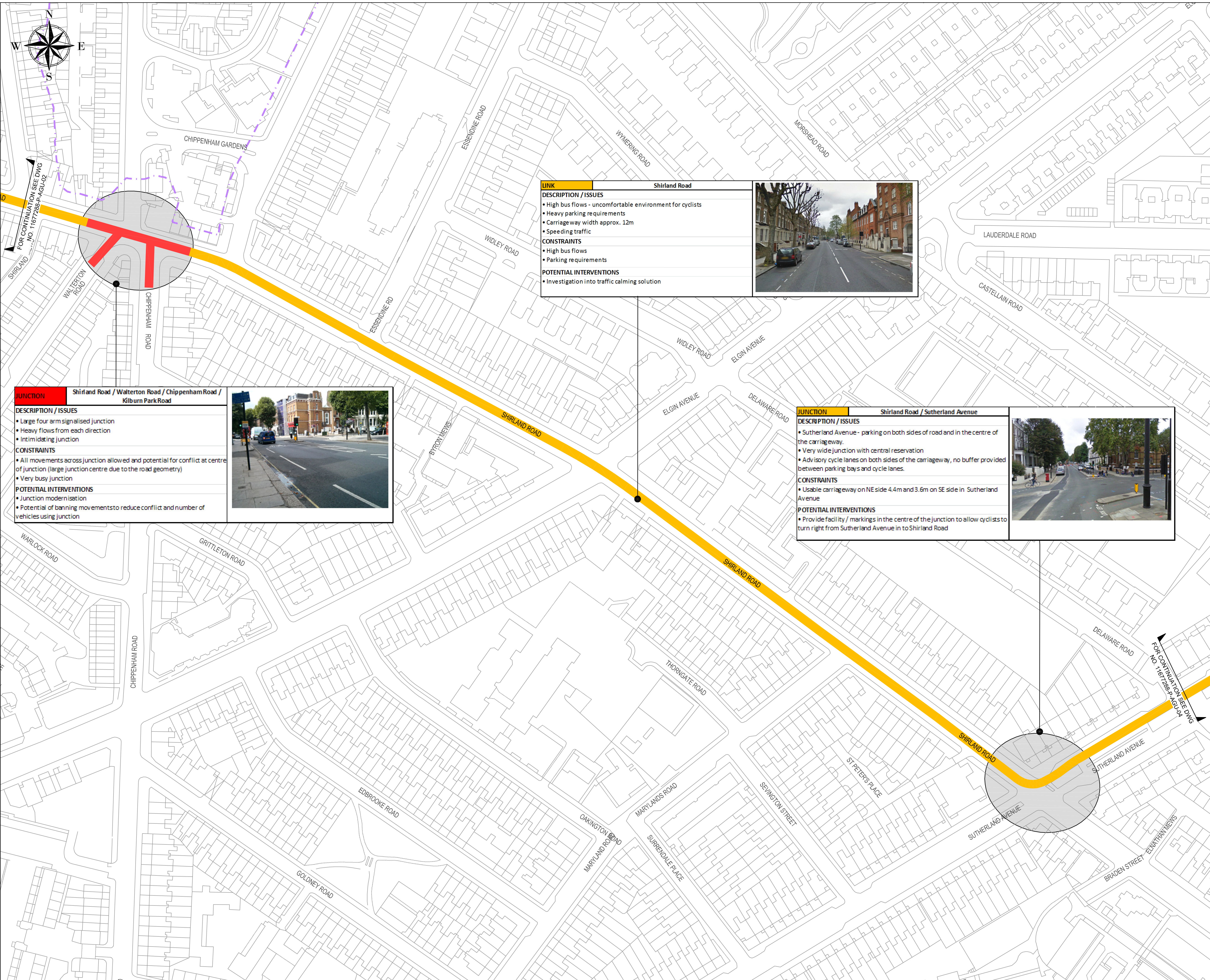
DRAWING STATUS	PRELIMINARY
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PROJECT					
LONDON CYCLE GRID FEASIBILITY STUDY					
TITLE GRAND UNION QUIETWAY ALTERNATIVE ROUTE ASSESSMENT SHEET 2 OF 6					
SCALE @ A1 1:1000	DATE AUG 2013	DESIGNED HS	CHECKED HG	APPROVED JWH	SHT A1
JOB NO: 11677288			BRIEF/DSS NO: 14563		
DRAWING NO: 11677288-P-AGU-02				REV. A	

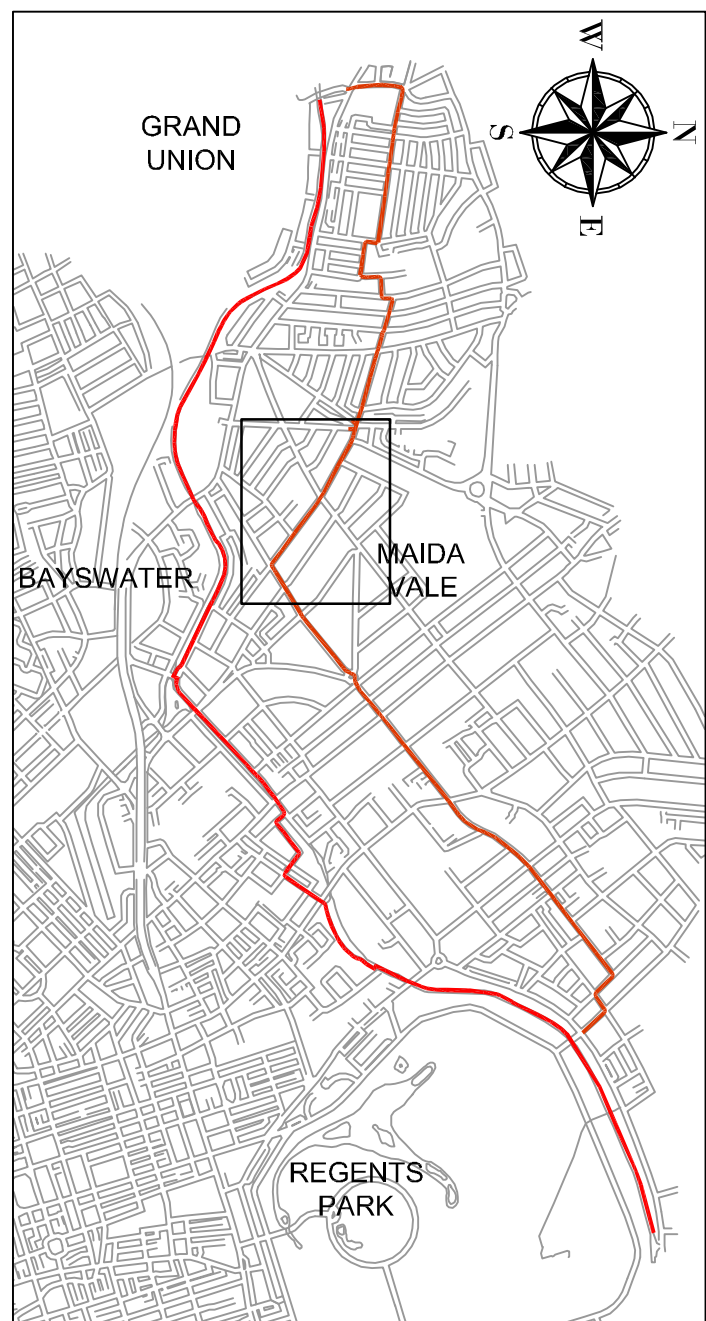


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REV	DATE	BY	DESCRIPTION	CHK	APD

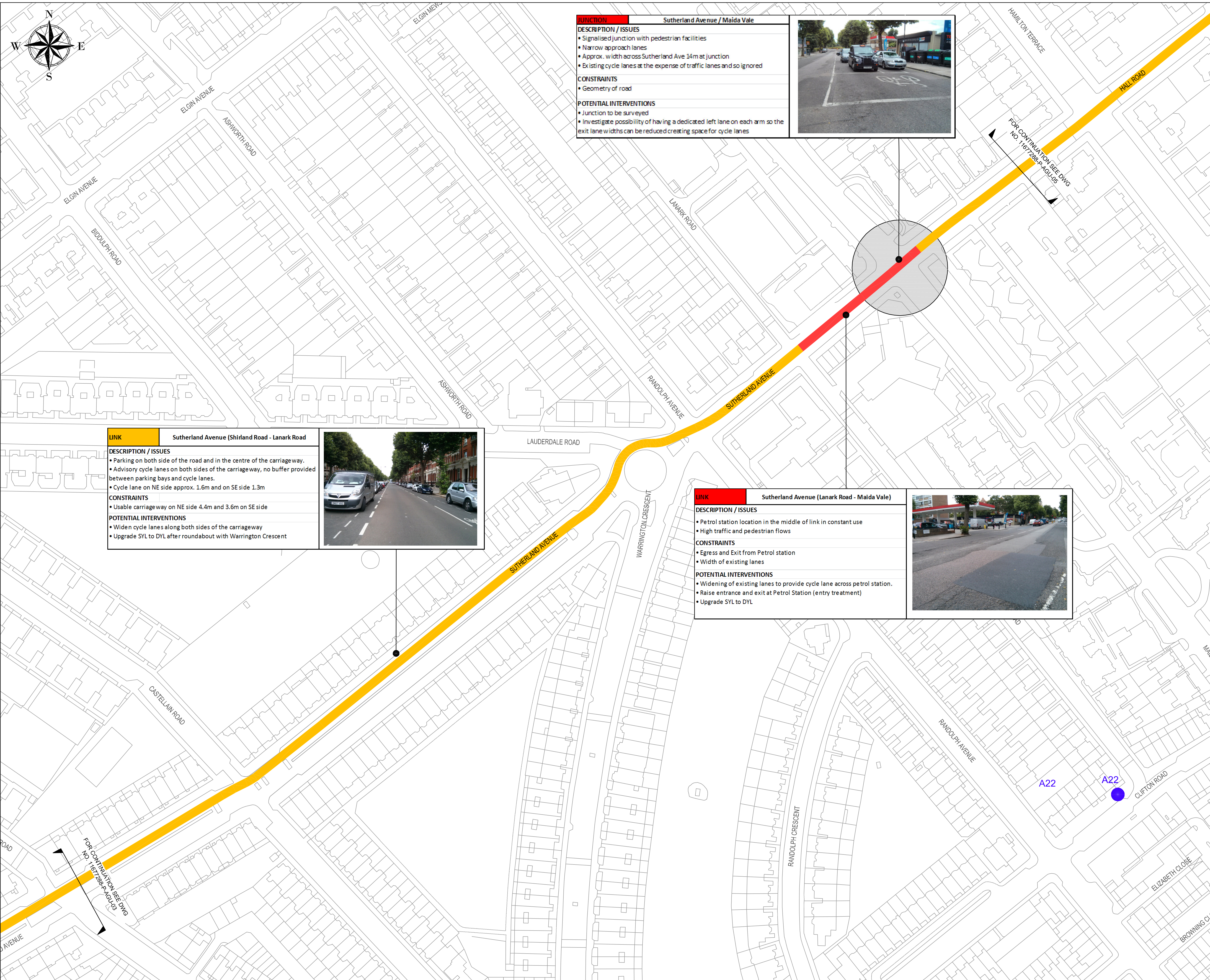
DRAWING STATUS	PRELIMINARY
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PROJECT						
LONDON CYCLE GRID FEASIBILITY STUDY						
TITLE						
GRAND UNION QUIETWAY ALTERNATIVE ROUTE ASSESSMENT SHEET 3 OF 6						
SCALE @ A1	DATE	DESIGNED BY	CHECKED	APPROVED	SIT	
1:1000	AUG 2013	HS	HG	JWH	A1	
JOB NO:			BRIEF/DSS NO:			
11677288			14563			
DRAWING NO:					REV.	
11677288-P-AGU-03					A	



JUNCTION Sutherland Avenue / Maida Vale

DESCRIPTION / ISSUES

- Signalised junction with pedestrian facilities
- Narrow approach lanes
- Approx. width across Sutherland Ave 14m at junction
- Existing cycle lanes at the expense of traffic lanes and so ignored

CONSTRAINTS

- Geometry of road

POTENTIAL INTERVENTIONS

- Junction to be surveyed
- Investigate possibility of having a dedicated left lane on each arm so the exit lane widths can be reduced creating space for cycle lanes



LINK Sutherland Avenue (Shirland Road - Lanark Road)

DESCRIPTION / ISSUES

- Parking on both side of the road and in the centre of the carriageway.
- Advisory cycle lanes on both sides of the carriageway, no buffer provided between parking bays and cycle lanes.
- Cycle lane on NE side approx. 1.6m and on SE side 1.3m

CONSTRAINTS

- Usable carriageway on NE side 4.4m and 3.6m on SE side

POTENTIAL INTERVENTIONS

- Widen cycle lanes along both sides of the carriageway
- Upgrade SYL to DYL after roundabout with Warrington Crescent



LINK Sutherland Avenue (Lanark Road - Maida Vale)

DESCRIPTION / ISSUES

- Petrol station location in the middle of link in constant use
- High traffic and pedestrian flows

CONSTRAINTS

- Egress and Exit from Petrol station
- Width of existing lanes

POTENTIAL INTERVENTIONS

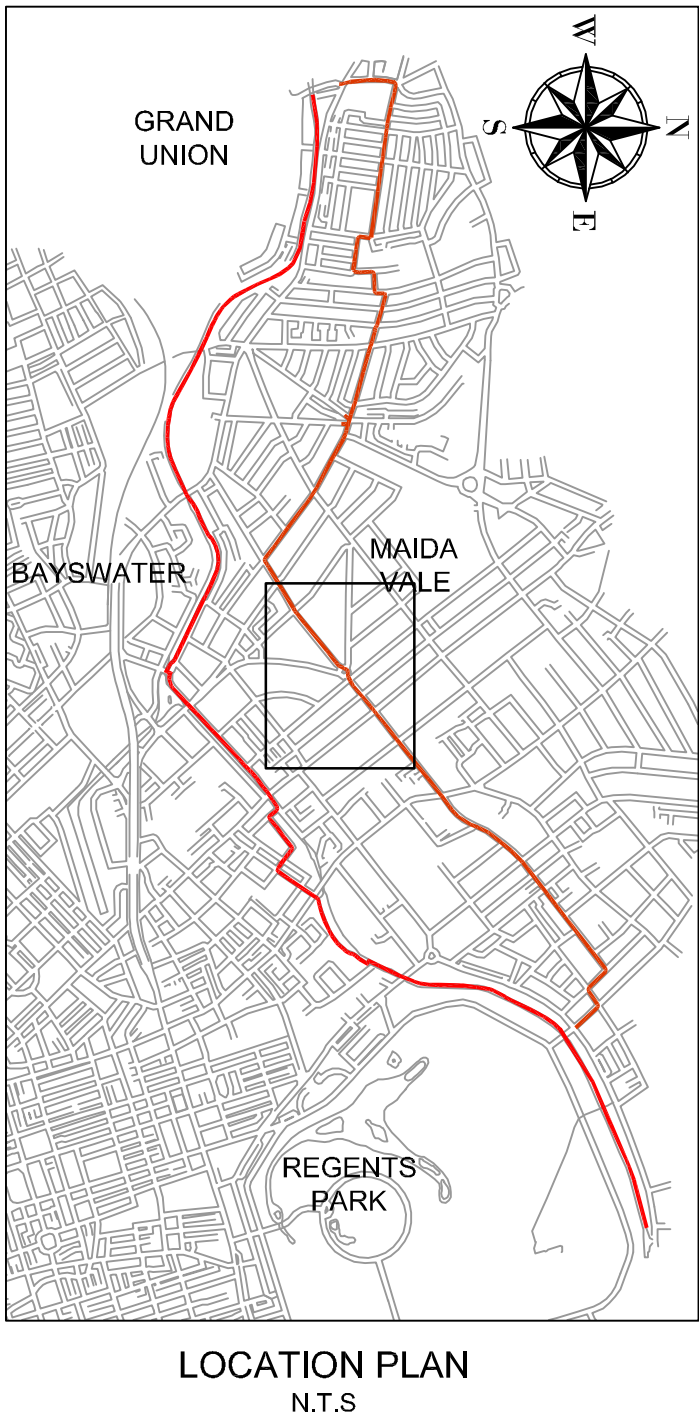
- Widening of existing lanes to provide cycle lane across petrol station.
- Raise entrance and exit at Petrol Station (entry treatment)
- Upgrade SYL to DYL



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- NOTES**
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A	10.08.13	TA	FOR ISSUE TO TRL	HS	NW
REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS	PRELIMINARY
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PROJECT	LONDON CYCLE GRID FEASIBILITY STUDY				
TITLE	GRAND UNION QUIETWAY ALTERNATIVE ROUTE ASSESSMENT SHEET 4 OF 6				
SCALE @ A1	DATE	DESIGNED BY	CHECKED	APPROVED	SHT
1:1000	AUG 2013	HS	HG	JWH	A1
JOB NO:	11677288		14563		
DRAWING NO:	11677288-P-AGU-04				REV. A



JUNCTION Circus Road / Wellington Road

DESCRIPTION / ISSUES

- TFL junction
- Narrow junction mouth (8m Circus Road (south side) and 9.7m (north side))
- Busy junction

CONSTRAINTS

- Width of carriageway on south side
- Busy junction
- Existing cycle facilities at junctions substandard

POTENTIAL INTERVENTIONS

- Investigation of early start lights for cyclists or dedicated cycle phases added to signal network

LINK Hall Road

DESCRIPTION / ISSUES

- Two way road with signalised junctions at Maida Vale, Hamilton Terrace (raised junction) and Grove End Road
- Uphill (North-east direction)
- Bus route

CONSTRAINTS

- Busy junction
- Existing cycle facilities at junction substandard

POTENTIAL INTERVENTIONS

- Investigation of early start lights for cyclists at junctions along Hall Road or dedicated cycle phases added to signal network
- Investigation into traffic calming solution - Raise Maida Vale junction and Grove End Road junction

LINK Circus Road (Hall Road - Wellington Ave)

DESCRIPTION / ISSUES

- Bus Route
- Narrow for two way traffic
- Parking restricted to the south western side
- Bus stops on both sides of the road
- Uphill (North-east direction)

CONSTRAINTS

- Usable carriageway widths when buses and parking in place approx. 3.7m
- Usable carriageway width for two way traffic 5.7m

POTENTIAL INTERVENTIONS

- Remove parking from opposite bus stops
- Upgrade SYL to DYL

KEY:

NO / MINOR INTERVENTION REQUIRED TO ENABLE ROUTE ALIGNMENT

SOME INTERVENTION REQUIRED TO ENABLE ROUTE ALIGNMENT

SIGNIFICANT BARRIER FOR CYCLISTS. MAJOR INTERVENTION REQUIRED

ONE WAY ROAD

CYCLE HIRE LIVE SITES

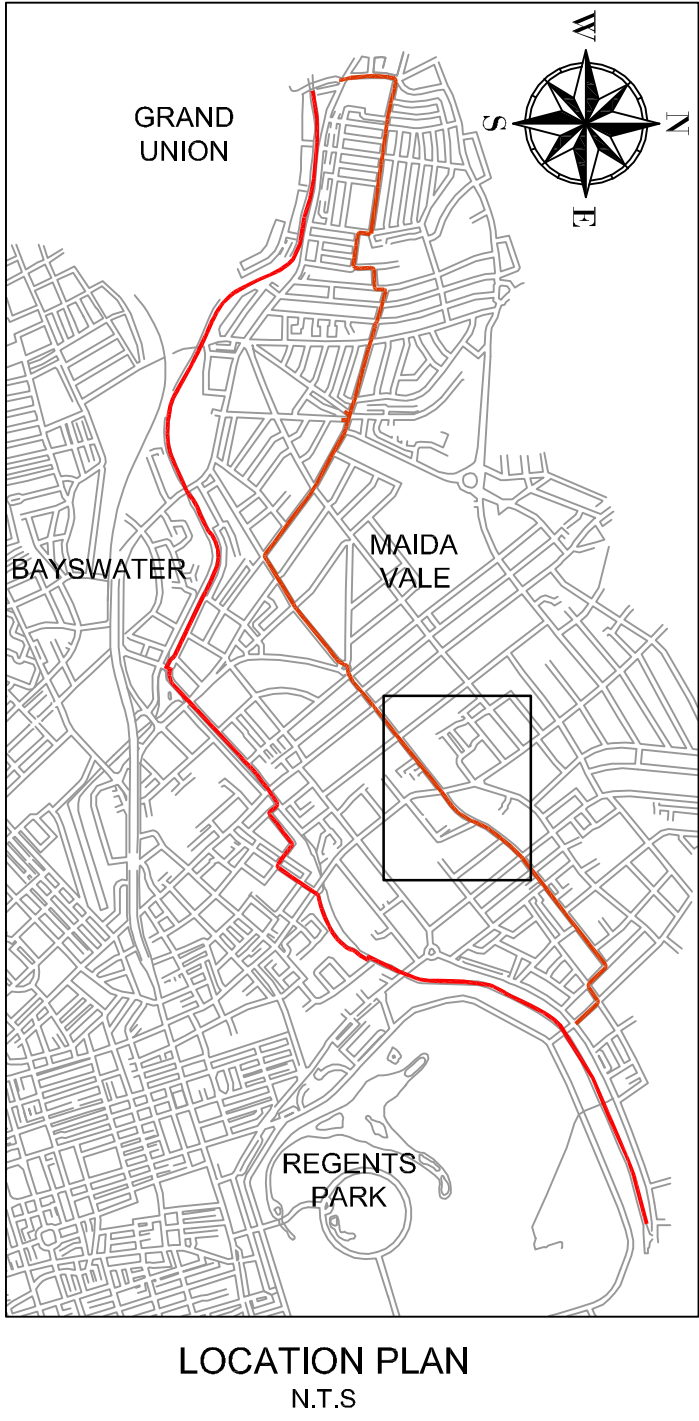
LIVE TRLN SITES

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REV	DATE	BY	DESCRIPTION	CHK	APD

DRAWING STATUS	PRELIMINARY
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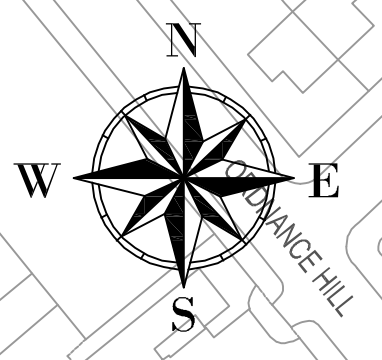
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PROJECT						
LONDON CYCLE GRID FEASIBILITY STUDY						
TITLE						
GRAND UNION QUIETWAY ALTERNATIVE ROUTE ASSESSMENT SHEET 5 OF 6						
SCALE @ A1		DATE	DESIGNED BY	CHECKED	APPROVED	SIT
1:1000		AUG 2013	HS	HG	JWH	A1
JOB NO:			BRIEF/DSS NO:		14563	
DRAWING NO:			11677288-P-AGU-05			REV. A



JUNCTION	St John's Wood Terrace / Townshend Road
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Priority junction• Residential• School located on St John's Wood Terrace
CONSTRAINTS	<ul style="list-style-type: none">• School traffic• Traffic speeds can be uncomfortable for cyclists on Townshend Road• Right turn for cyclists from St John's Wood Terrace
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Provide traffic calming treatment on Townshend Road similar to Ordnance Hill / Queens Grove Treatment• Upgrade SYL to DYL at junction corners to improve visibility



JUNCTION	Allitsen Road / Avenue Road / St Edmunds Terrace
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Priority Junction• Zebra Crossing located on northern arm with zig zags through junction• Pedestrian refuges on Allitsen Road and St Edmunds Terrace Arms.
CONSTRAINTS	<ul style="list-style-type: none">• Heavy traffic flow on Avenue Road• Difficulty for cyclists turning right out of Allitsen Road• Constraining carriageway widths on Avenue Road• Crossovers and footway widths prevent conversion of zebra to shared facility.• Avenue Road forms part of Cycle Superhighways 11 alignment
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Modify zig zag markings to provide space for right turn pocket for cyclists• Potential for whole junction treatment / raised table to slow down vehicles, increase cyclists conspicuity and enable right turn.



LINK	St John's Wood Terrace
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Residential• Two way traffic with platooning from west• Residents parking on both sides of carriageway• 7.4m running lane for two way traffic
CONSTRAINTS	<ul style="list-style-type: none">• Resident parking requirements• Speeds through link
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Traffic calming measures - provide junction tables at Ordnance Hill and Charlbert Street to slow traffic through link



LINK	Circus Road (Wellington Road - St John's Wood High Street)
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Busy High Street, with high pedestrian footfall• Double parking (vehicles parking along side vehicles parked in the marked bays)• Usable carriageway width approx. 5.6m
CONSTRAINTS	<ul style="list-style-type: none">• Busy High Street, with high pedestrian footfall• Double parking
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Shared use space, vehicles limited to loading, cycle track and pedestrian space



JUNCTION	Townshend Road / Allitsen Road
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Junction closed to general traffic; vehicles cannot go ahead on Townshend Road or Allitsen Road.• Cut through provided for cyclists, with cyclists right turn pocket on southeast side of junction• Sharp bend with chevron signing
CONSTRAINTS	<ul style="list-style-type: none">• Speeds around bend create uncomfortable conditions for cyclists• Collision issue at junction caused by speeding vehicles around bend
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Investigate traffic calming measures at junction - potential carriageway narrowing or junction table• Widen cut through for cyclists and improve surfacing• Potential to provide streetscape improvements to benefit cyclists



LINK	Avenue Road
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Two way• Busy route• Speeding along road• Existing advisory cycle lanes (parking and servicing on SYL)
CONSTRAINTS	<ul style="list-style-type: none">• Parking and servicing requirements
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Investigate traffic calming options along road• Part of CS11 coordination with TfL



LINK	St John's Wood Road (St John's Wood High Street - Aquila Street)
DESCRIPTION / ISSUES	<ul style="list-style-type: none">• Busy High Street, with high pedestrian footfall• Double parking• Usable carriageway width approx. 5.3m
CONSTRAINTS	<ul style="list-style-type: none">• Busy High Street, with high pedestrian footfall• Double parking
POTENTIAL INTERVENTIONS	<ul style="list-style-type: none">• Shared use space, vehicles limited to loading, cycle track and pedestrian space

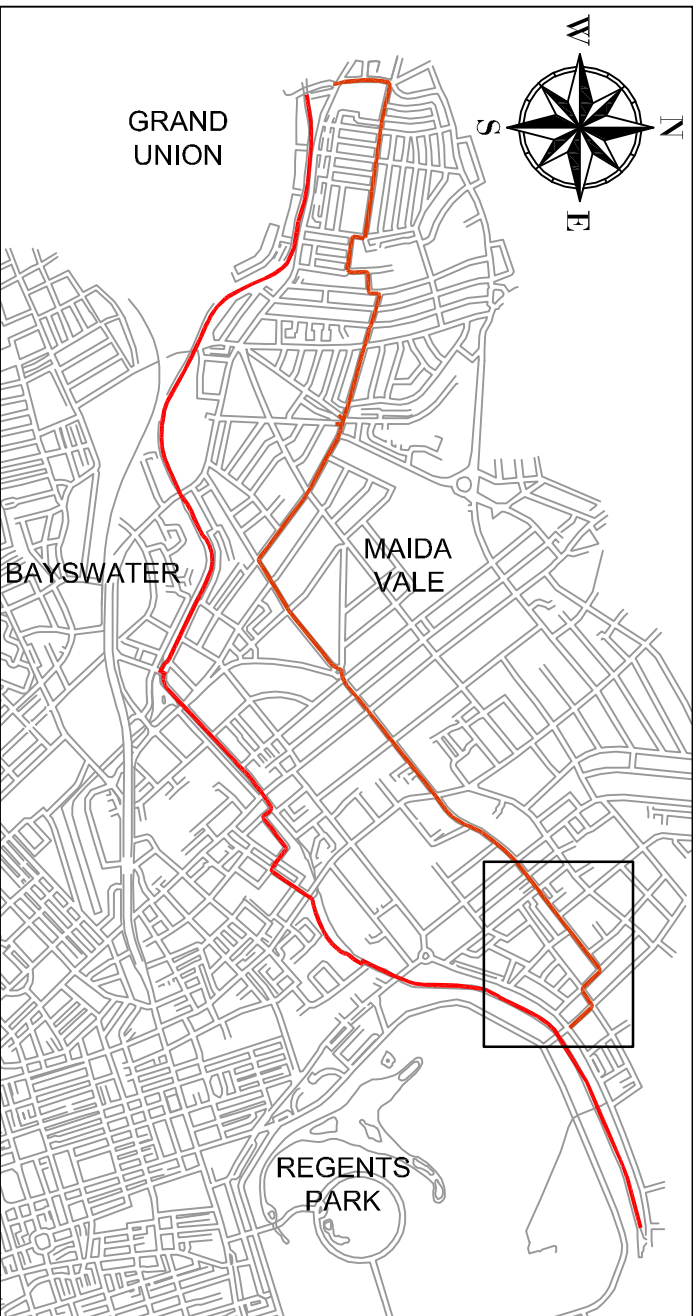


KEY:

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TITLE GRAND UNION QUIETWAY ALTERNATIVE ROUTE ASSESSMENT SHEET 6 OF 6					
SCALE @ A1 1:1000	DATE AUG 2013	DESIGNED BY HS	CHECKED HG	APPROVED JWH	SIT A1
JOB NO. 11677288			BRIEF/DSS NO. 14563		
DRAWING NO. 11677288-P-AGU-06				REV. A	