

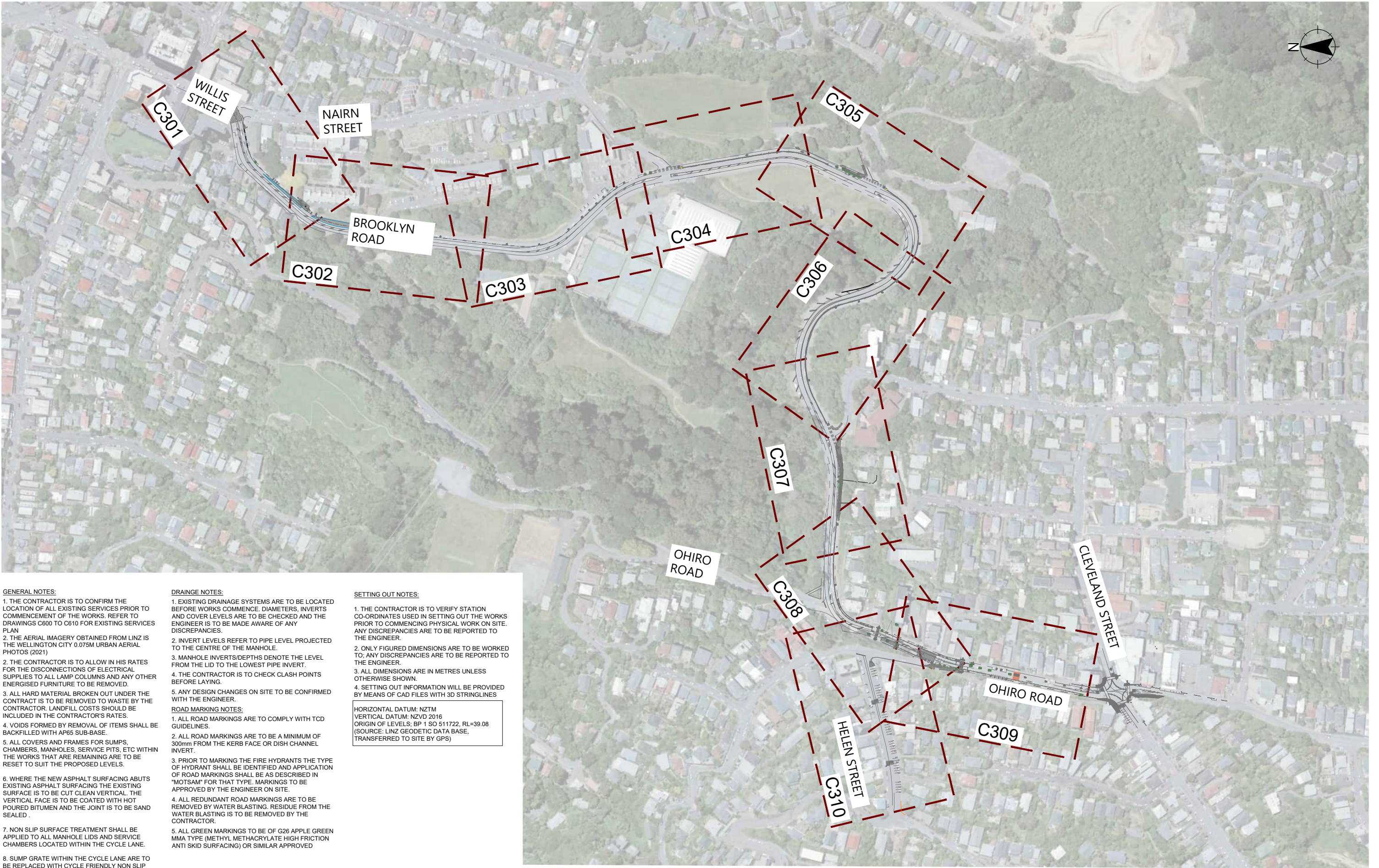
BROOKLYN HILL CYCLING IMPROVEMENTS



DRAWING INDEX	
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C331	SIGHT DISTANCE CHECK, KERB EXTENSION REMOVAL (25 BROOKLYN ROAD)
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C609	EXISTING SERVICES SHEET 9 OF 10
C610	EXISTING SERVICES SHEET 10 OF 10
S04	RETAINING WALL 2 OHIRO ROAD LOCALITY & SITE PLAN
S05	RETAINING WALL 2 OHIRO ROAD SECTION B
S06	RETAINING WALL 2 BARRIER DETAILS

ISSUED FOR CONSTRUCTION





GENERAL NOTES:

1. THE CONTRACTOR IS TO CONFIRM THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF THE WORKS. REFER TO DRAWINGS C600 TO C610 FOR EXISTING SERVICES PLAN.
2. THE AERIAL IMAGERY OBTAINED FROM LINZ IS THE WELLINGTON CITY 0.075M URBAN AERIAL PHOTOS (2021)
2. THE CONTRACTOR IS TO ALLOW IN HIS RATES FOR THE DISCONNECTIONS OF ELECTRICAL SUPPLIES TO ALL LAMP COLUMNS AND ANY OTHER ENERGISED FURNITURE TO BE REMOVED.
3. ALL HARD MATERIAL BROKEN OUT UNDER THE CONTRACT IS TO BE REMOVED TO WASTE BY THE CONTRACTOR. LANDFILL COSTS SHOULD BE INCLUDED IN THE CONTRACTOR'S RATES.
4. VOIDS FORMED BY REMOVAL OF ITEMS SHALL BE BACKFILLED WITH AP65 SUB-BASE.
5. ALL COVERS AND FRAMES FOR SUMPS, CHAMBERS, MANHOLES, SERVICE PITS, ETC WITHIN THE WORKS THAT ARE REMAINING ARE TO BE RESET TO SUIT THE PROPOSED LEVELS.
6. WHERE THE NEW ASPHALT SURFACING ABUTS EXISTING ASPHALT SURFACING THE EXISTING SURFACE IS TO BE CUT CLEAN VERTICAL. THE VERTICAL FACE IS TO BE COATED WITH HOT POURED BITUMEN AND THE JOINT IS TO BE SAND SEALED.
7. NON SLIP SURFACE TREATMENT SHALL BE APPLIED TO ALL MANHOLE LIDS AND SERVICE CHAMBERS LOCATED WITHIN THE CYCLE LANE.
8. SUMP GRATE WITHIN THE CYCLE LANE ARE TO BE REPLACED WITH CYCLE FRIENDLY NON SLIP SUMP GRATE AND TO BE FLUSH WITH THE SURROUNDING SURFACE.

DRAINAGE NOTES:

1. EXISTING DRAINAGE SYSTEMS ARE TO BE LOCATED BEFORE WORKS COMMENCE. DIAMETERS, INVERTS AND COVER LEVELS ARE TO BE CHECKED AND THE ENGINEER IS TO BE MADE AWARE OF ANY DISCREPANCIES.
  2. INVERT LEVELS REFER TO PIPE LEVEL PROJECTED TO THE CENTRE OF THE MANHOLE.
  3. MANHOLE INVERTS/DEPTHS DENOTE THE LEVEL FROM THE LID TO THE LOWEST PIPE INVERT.
  4. THE CONTRACTOR IS TO CHECK CLASH POINTS BEFORE LAYING.
  5. ANY DESIGN CHANGES ON SITE TO BE CONFIRMED WITH THE ENGINEER.
- ROAD MARKING NOTES:
1. ALL ROAD MARKINGS ARE TO COMPLY WITH TCD GUIDELINES.
  2. ALL ROAD MARKINGS ARE TO BE A MINIMUM OF 300mm FROM THE KERB FACE OR DISH CHANNEL INVERT.
  3. PRIOR TO MARKING THE FIRE HYDRANTS THE TYPE OF HYDRANT SHALL BE IDENTIFIED AND APPLICATION OF ROAD MARKINGS SHALL BE AS DESCRIBED IN "MOTSAM" FOR THAT TYPE. MARKINGS TO BE APPROVED BY THE ENGINEER ON SITE.
  4. ALL REDUNDANT ROAD MARKINGS ARE TO BE REMOVED BY WATER BLASTING. RESIDUE FROM THE WATER BLASTING IS TO BE REMOVED BY THE CONTRACTOR.
  5. ALL GREEN MARKINGS TO BE OF G26 APPLE GREEN MMA TYPE (METHYL METHACRYLATE HIGH FRICTION ANTI SKID SURFACING) OR SIMILAR APPROVED

SETTING OUT NOTES:

1. THE CONTRACTOR IS TO VERIFY STATION CO-ORDINATES USED IN SETTING OUT THE WORKS PRIOR TO COMMENCING PHYSICAL WORK ON SITE. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
  2. ONLY FIGURED DIMENSIONS ARE TO BE WORKED TO; ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
  3. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN.
  4. SETTING OUT INFORMATION WILL BE PROVIDED BY MEANS OF CAD FILES WITH 3D STRINGLINES
- HORIZONTAL DATUM: NZTM  
VERTICAL DATUM: NZVD 2016  
ORIGIN OF LEVELS: BP 1 SO 511722, RL=39.08  
(SOURCE: LINZ GEODETIC DATA BASE, TRANSFERRED TO SITE BY GPS)

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



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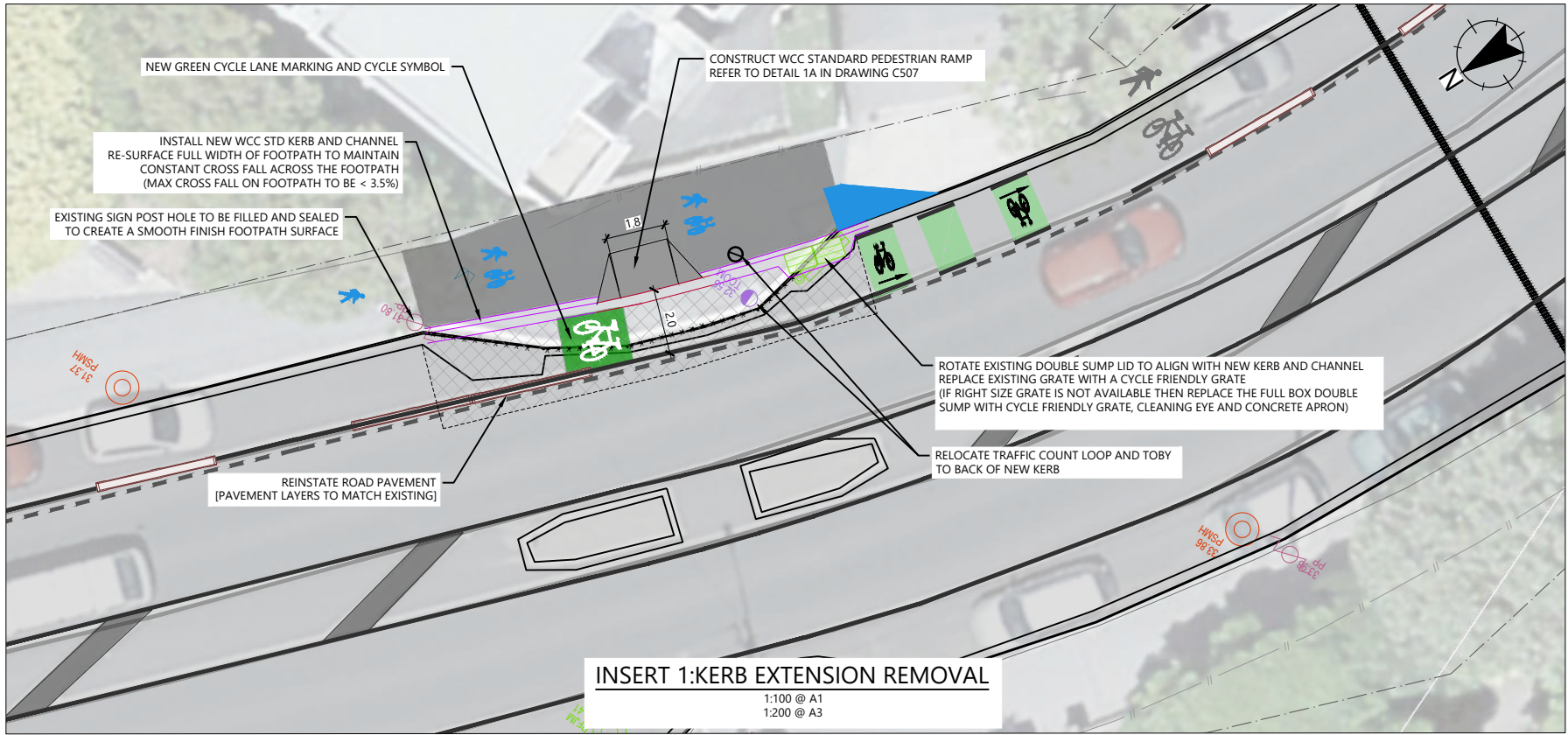
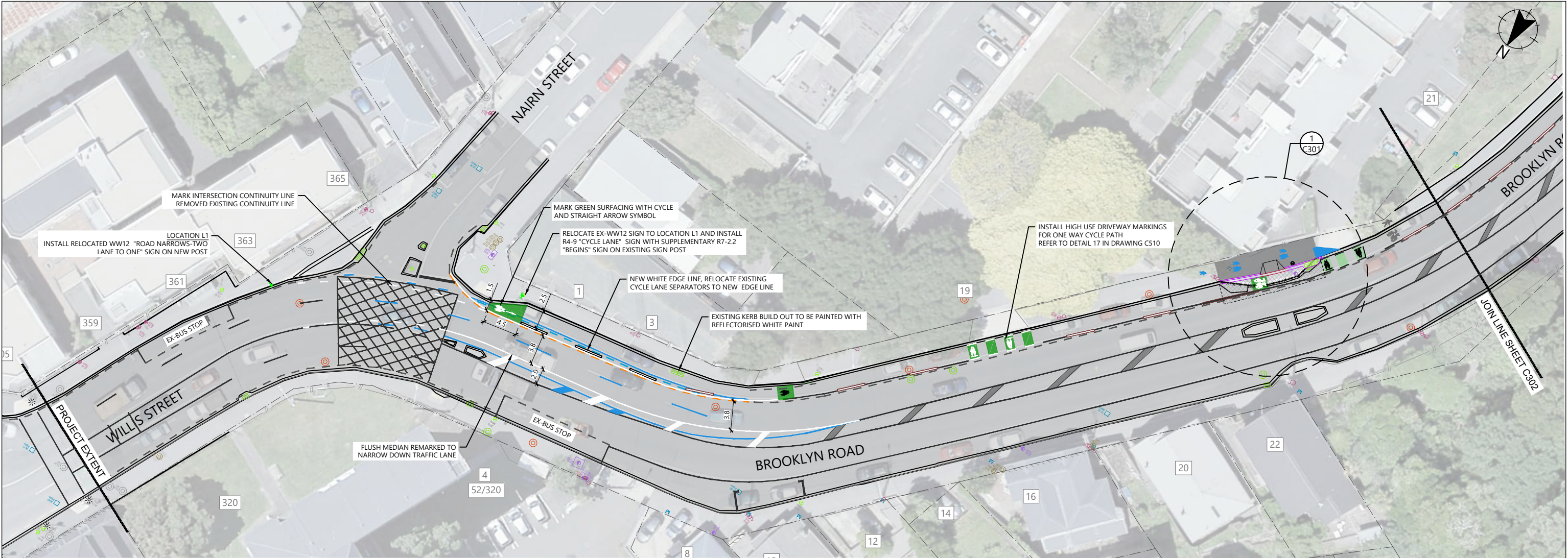
Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
OVERALL GENERAL ARRANGEMENT PLAN

ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL)	1:1750	(A3) 1: 3500
PROJECT No.	BIL-1003220	SHEET
REVISION	C300	0





NOTES	
REFER TO DRAWING C300 FOR GENERAL NOTES	
LEGEND:	
	PROPERTY BOUNDARY
	ROAD MARKINGS EXISTING (WHITE)
	ROAD MARKINGS EXISTING (YELLOW NO PARKING)
	ROAD MARKINGS EXISTING (YELLOW CENTRE LINE)
	ROAD MARKINGS REMOVED
	NEW SOLID WHITE CENTRE LINE
	NEW SOLID DOUBLE YELLOW CENTRE LINE
	NEW NO STOPPING LINE (NSAAT)
	NEW INTERSECTION CONTINUITY LINE
	EXISTING KERB AND CHANNEL
	EXISTING KERBS REMOVED
	NEW KERB AND CHANNEL
	DROP KERB FOR RAMP
	NEW MOUNTABLE KERB
	NEW BUS STOP KERBS
	NEW NIB KERB (KERB STAND)
	ROAD SIGNS REMOVED
	ROAD SIGNS NEW
	EXISTING CYCLE LANE MARKING
	NEW CYCLE LANE MARKING
	CARRIAGEWAY REINSTATEMENT
	NEW ASPHALT FOOTPATH
	CONCRETE SEPARATOR (600 mm WIDE)
	CONCRETE SEPARATOR (300 mm WIDE)
	PLASTIC SPEED HUMP (EXISTING)
	PLASTIC CYCLE LANE SEPARATORS (EXISTING)
	EXISTING POWER POLE
	NEW STREETLIGHT POLE
	NEW STORMWATER SUMP
	NEW STORMWATER PIPE
	NEW STORMWATER KERB OUTLETS

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
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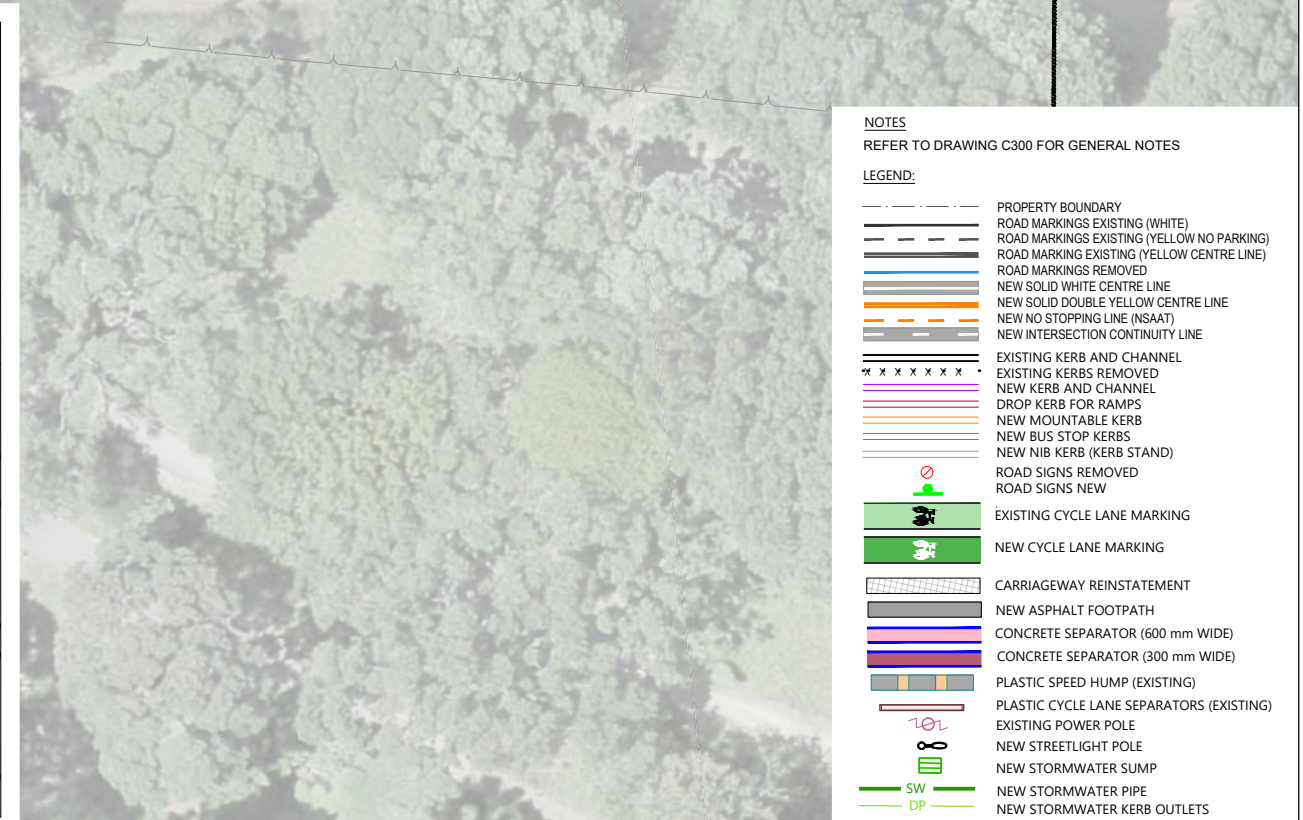
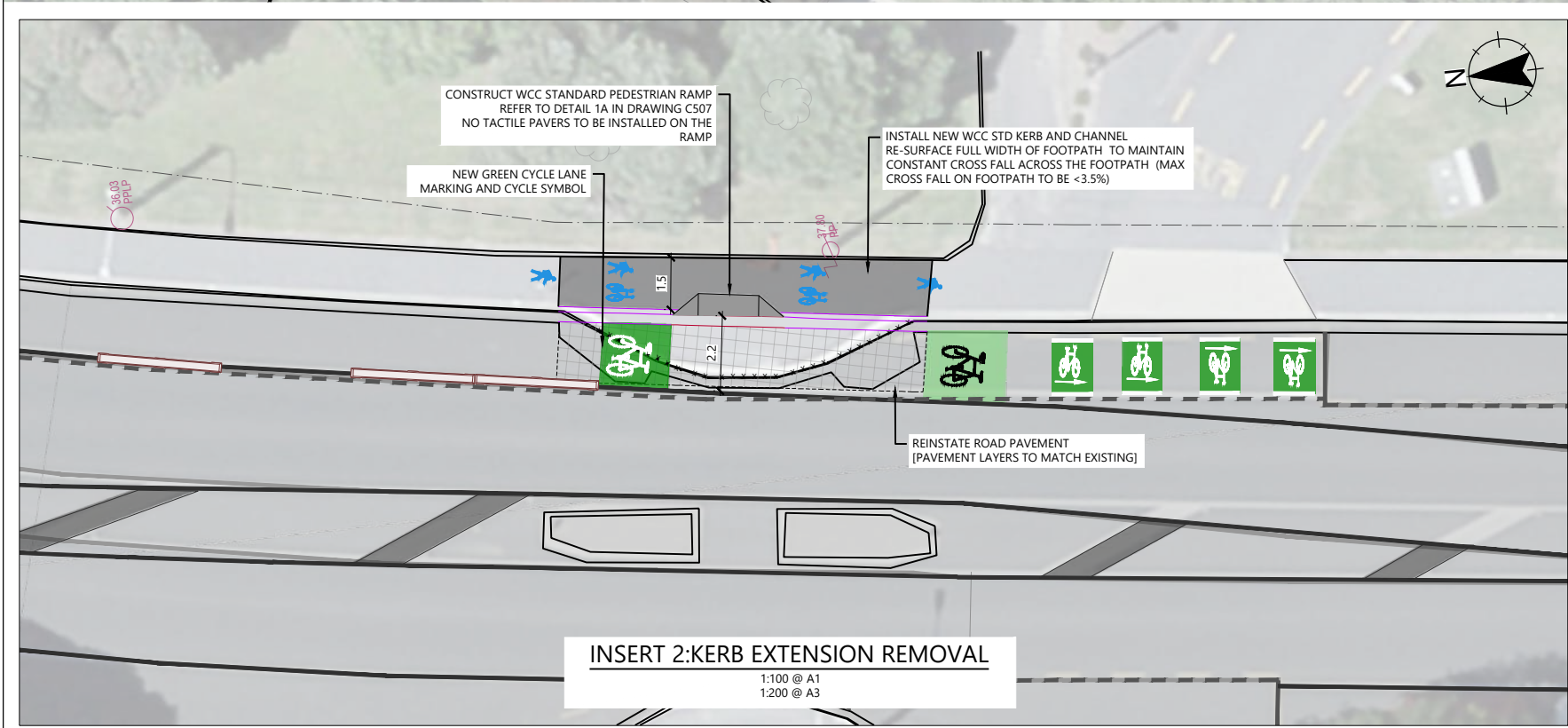
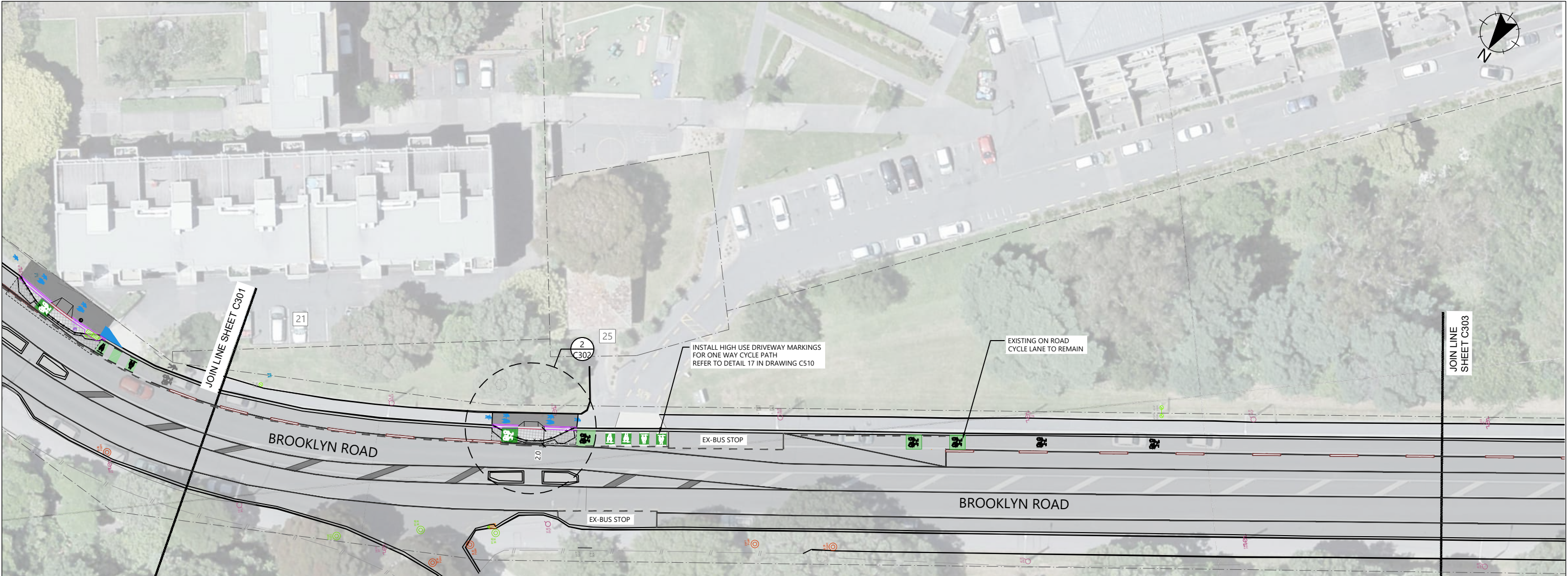


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PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
GENERAL ARRANGEMENT PLAN SHEET 1 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C301	0





REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

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APPROVED	DATE
S.CANHAM	17.09.2025



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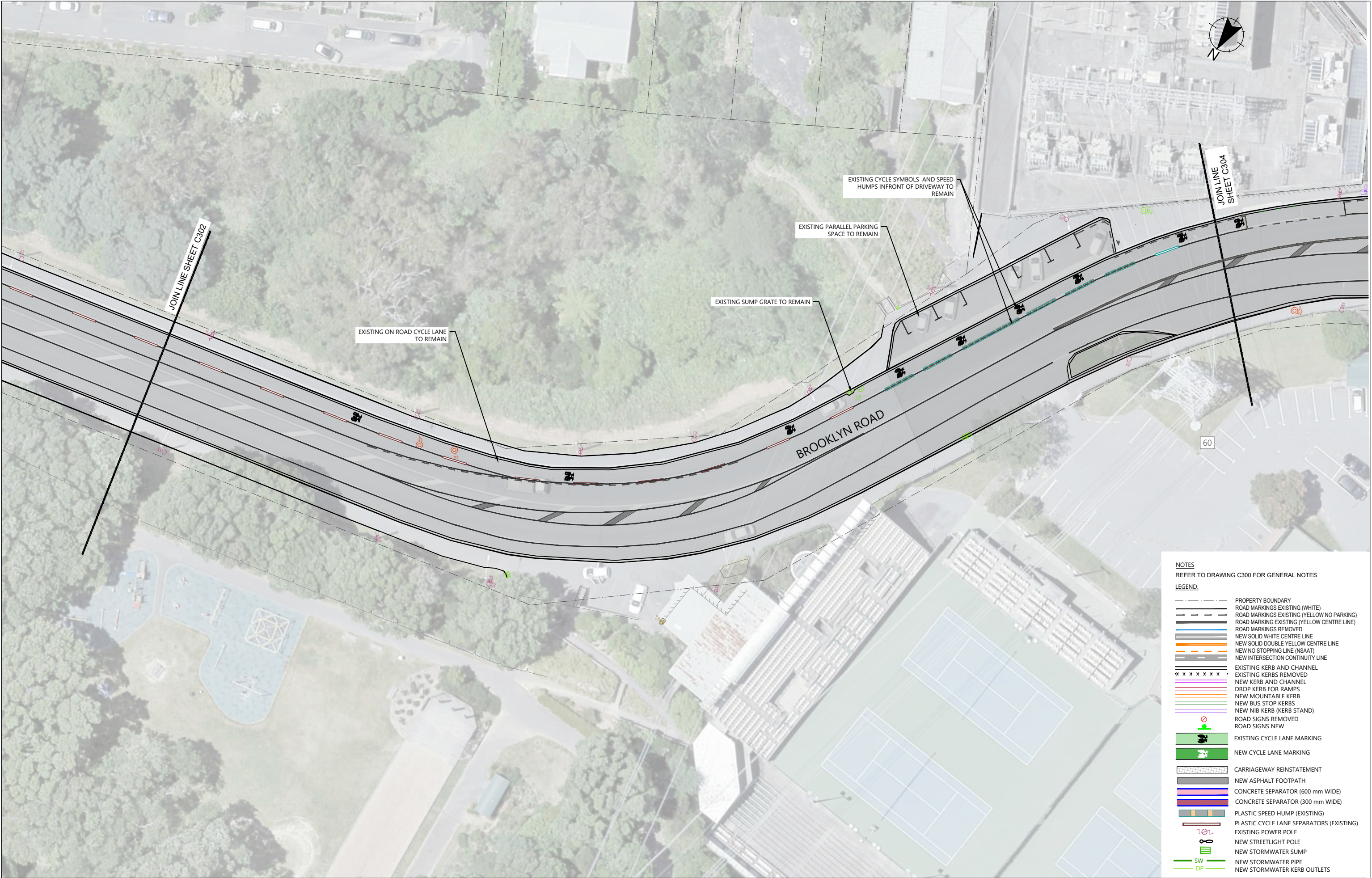
PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
GENERAL ARRANGEMENT PLAN SHEET 2 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C302	0

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H:\WLG\_2025 EARTH Projects\11-ROAD - TRANSPORT ROAD\BIL-1003220 Brooklyn Hill Low-cost Cycleway Design\320 Drawings\3\_Drawing\BIL-1003220-C301.dwg, Plotted By VERMA Ayush at 17/09/2025 13:31:12





**NOTES**  
REFER TO DRAWING C300 FOR GENERAL NOTES

**LEGEND:**

- PROPERTY BOUNDARY
- ROAD MARKINGS EXISTING (WHITE)
- ROAD MARKINGS EXISTING (YELLOW NO PARKING)
- ROAD MARKINGS EXISTING (YELLOW CENTRE LINE)
- ROAD MARKINGS REMOVED
- NEW SOLID WHITE CENTRE LINE
- NEW SOLID DOUBLE YELLOW CENTRE LINE
- NEW NO STOPPING LINE (NSAAT)
- NEW INTERSECTION CONTINUITY LINE
- EXISTING KERB AND CHANNEL
- EXISTING KERBS REMOVED
- NEW KERB AND CHANNEL
- DROP KERB FOR RAMPS
- NEW MOUNTABLE KERB
- NEW BUS STOP KERBS
- NEW NIB KERB (KERB STAND)
- ROAD SIGNS REMOVED
- ROAD SIGNS NEW
- EXISTING CYCLE LANE MARKING
- NEW CYCLE LANE MARKING
- CARRIAGEWAY REINSTATEMENT
- NEW ASPHALT FOOTPATH
- CONCRETE SEPARATOR (600 mm WIDE)
- CONCRETE SEPARATOR (300 mm WIDE)
- PLASTIC SPEED HUMP (EXISTING)
- PLASTIC CYCLE LANE SEPARATORS (EXISTING)
- EXISTING POWER POLE
- NEW STREETLIGHT POLE
- NEW STORMWATER SUMP
- NEW STORMWATER PIPE
- NEW STORMWATER KERB OUTLETS

0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC
17.09.2025					
REV	AMENDMENTS	DES	DRN	CHK	APP

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S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025

  
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**PROJECT TITLE**  
BROOKLYN HILL  
CYCLING IMPROVEMENTS

**SHEET TITLE**  
GENERAL ARRANGEMENT PLAN  
SHEET 3 OF 10

**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL) 1:250 (A3) 1:500

PROJECT No.	SHEET	REVISION
BIL-1003220	C303	0

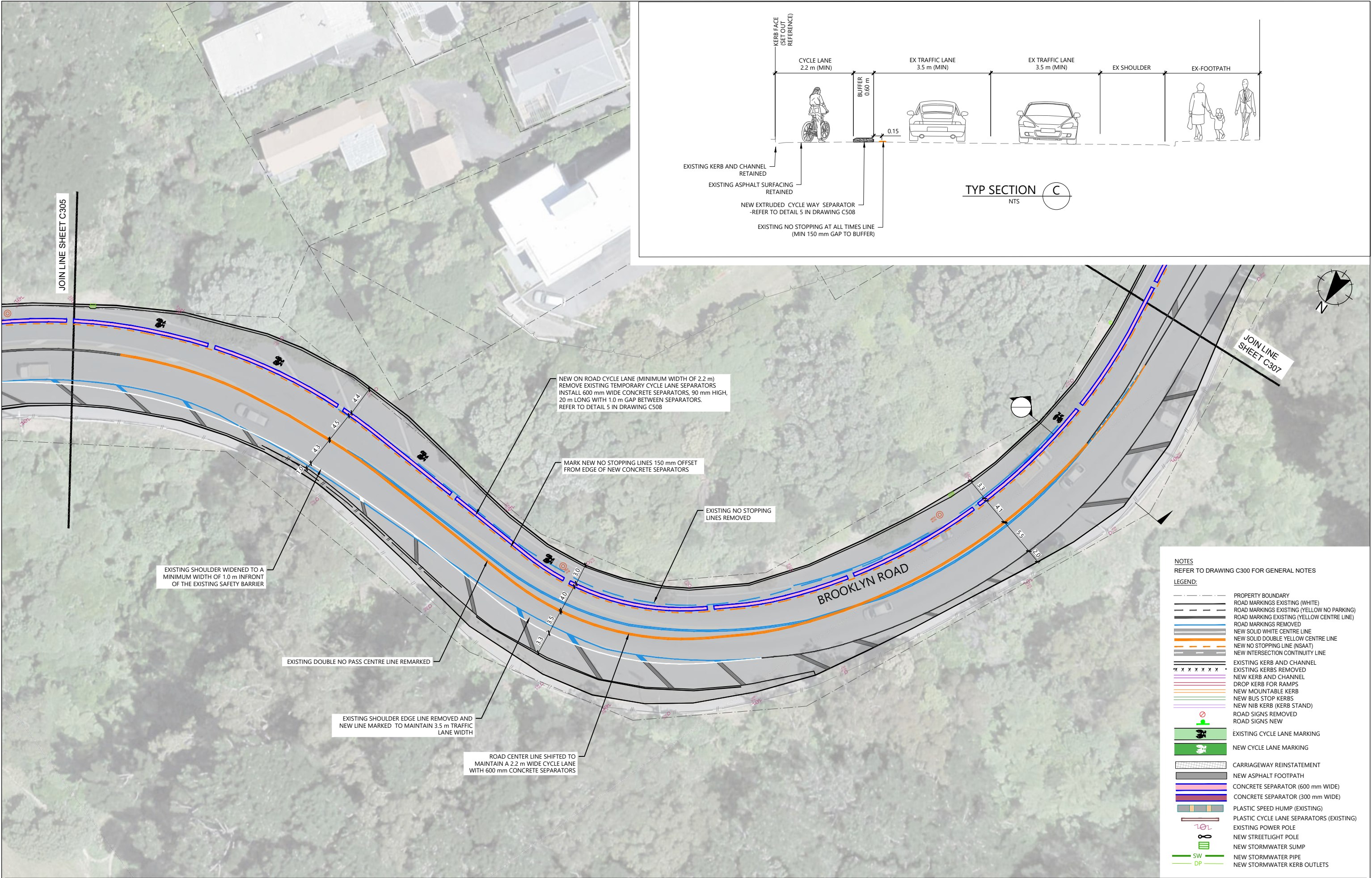












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APPROVED	DATE
S.CANHAM	17.09.2025

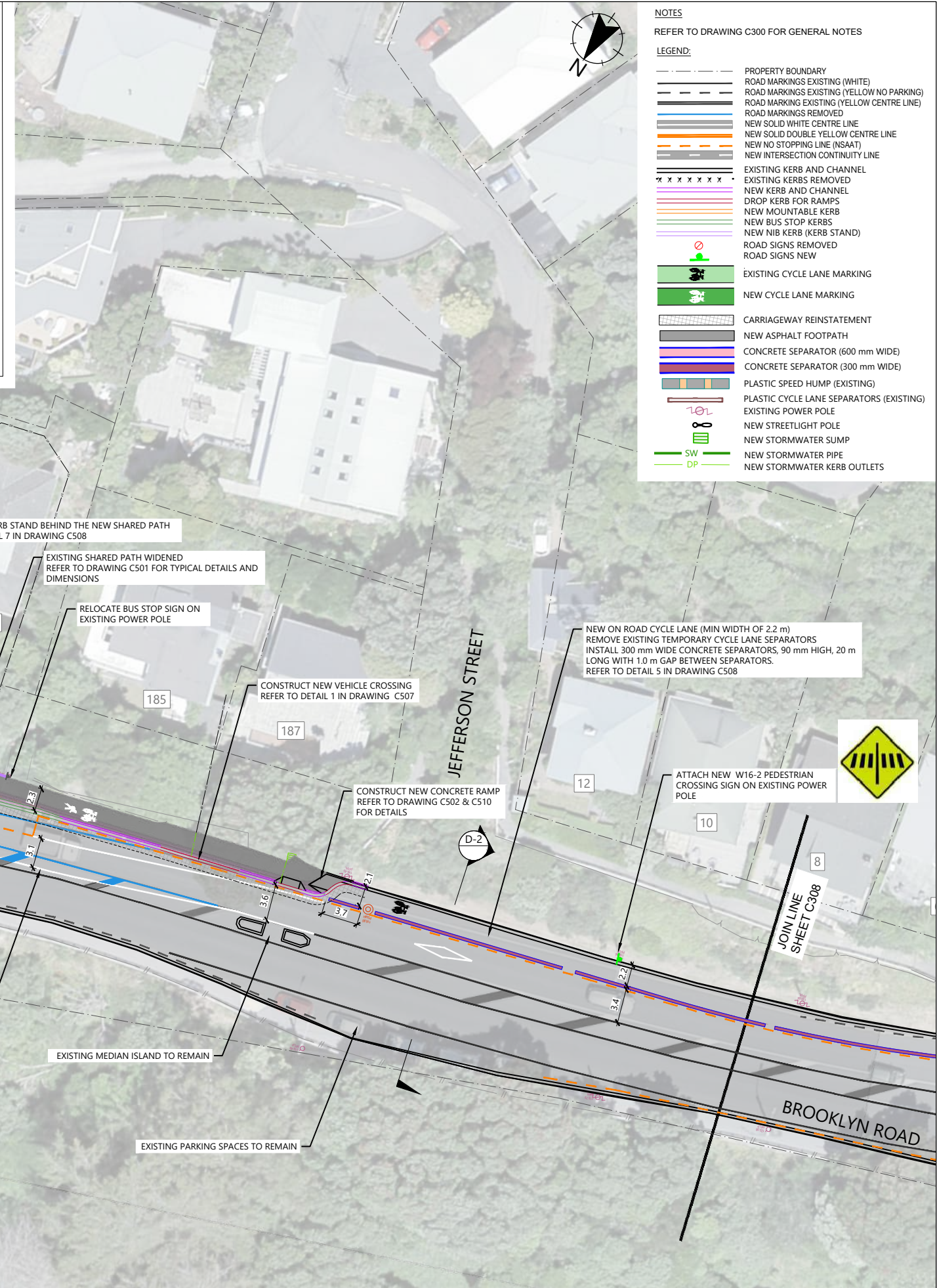
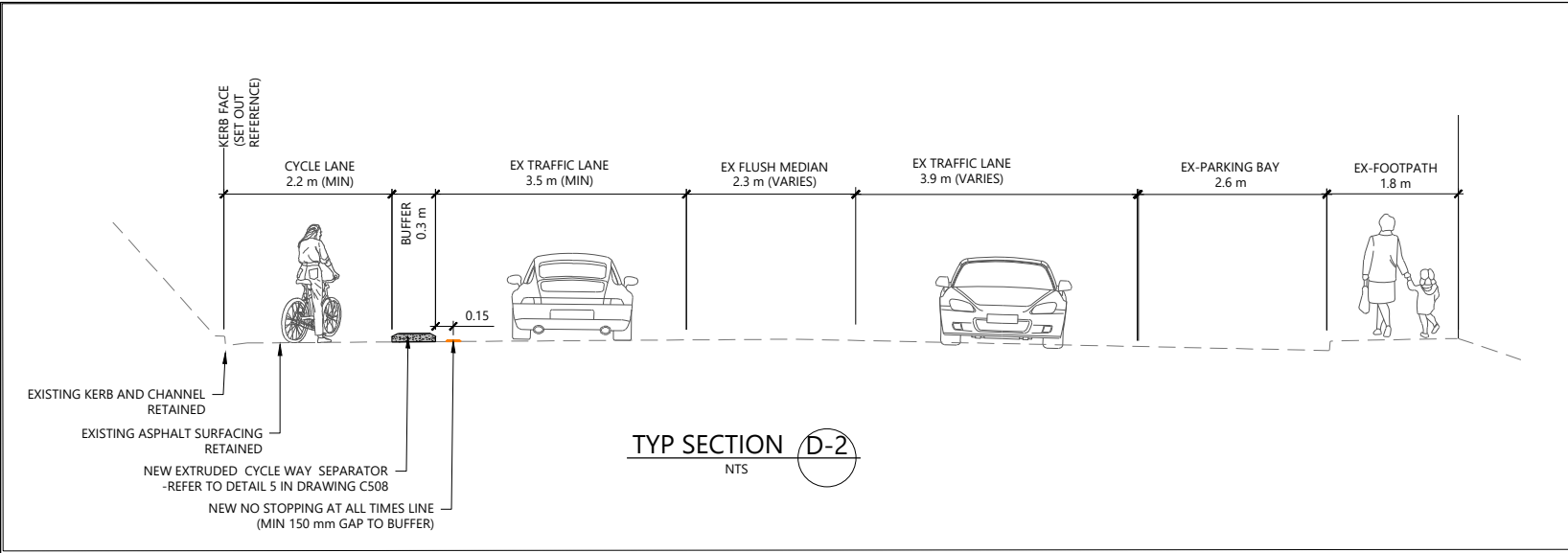


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PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
GENERAL ARRANGEMENT PLAN SHEET 6 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C306	0





REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
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S.CANHAM	17.09.2025



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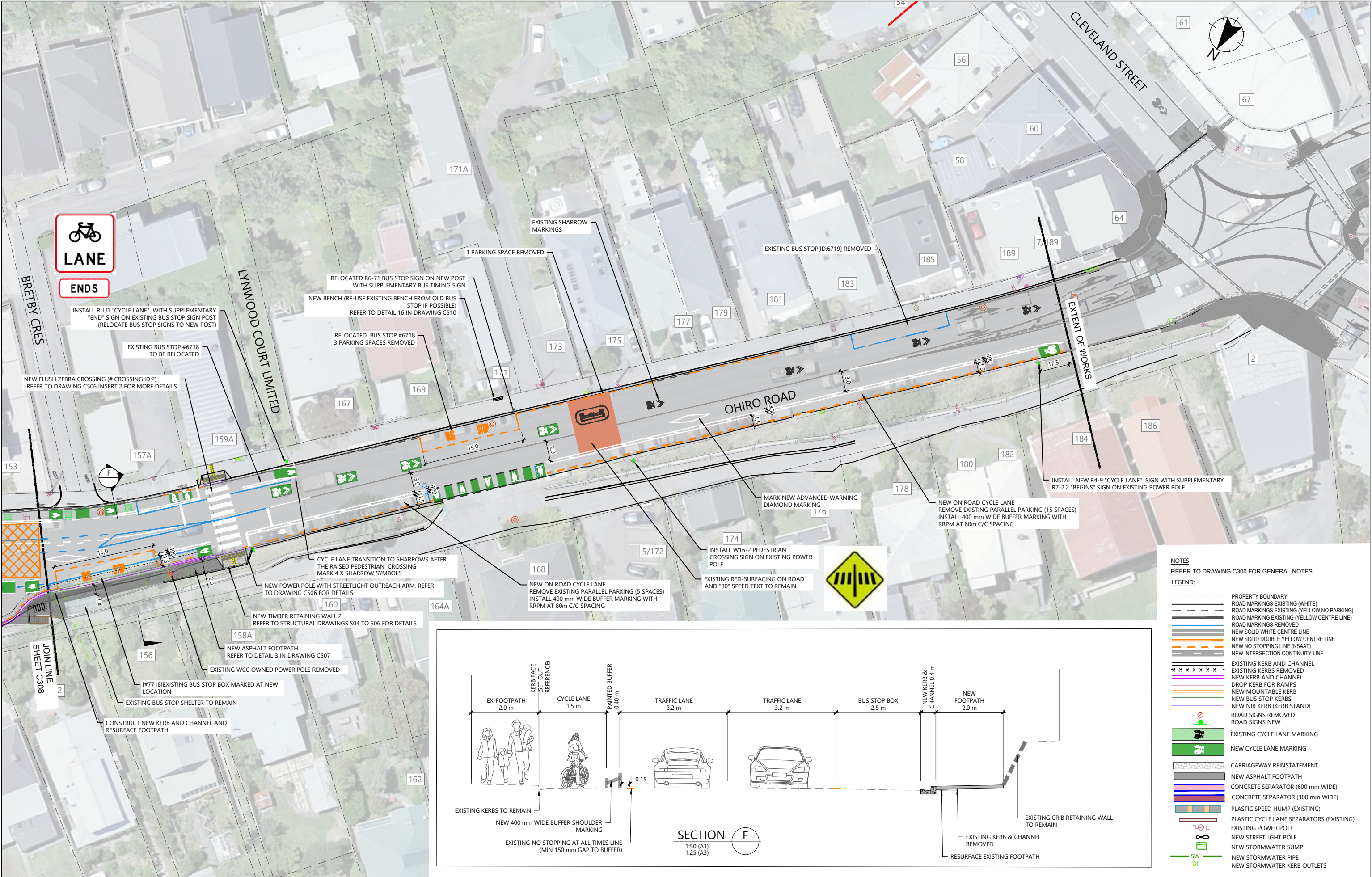
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BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
GENERAL ARRANGEMENT PLAN SHEET 7 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C307	0









REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
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A.VERMA	17.09.2025
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S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



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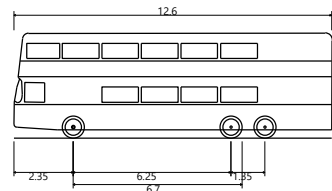
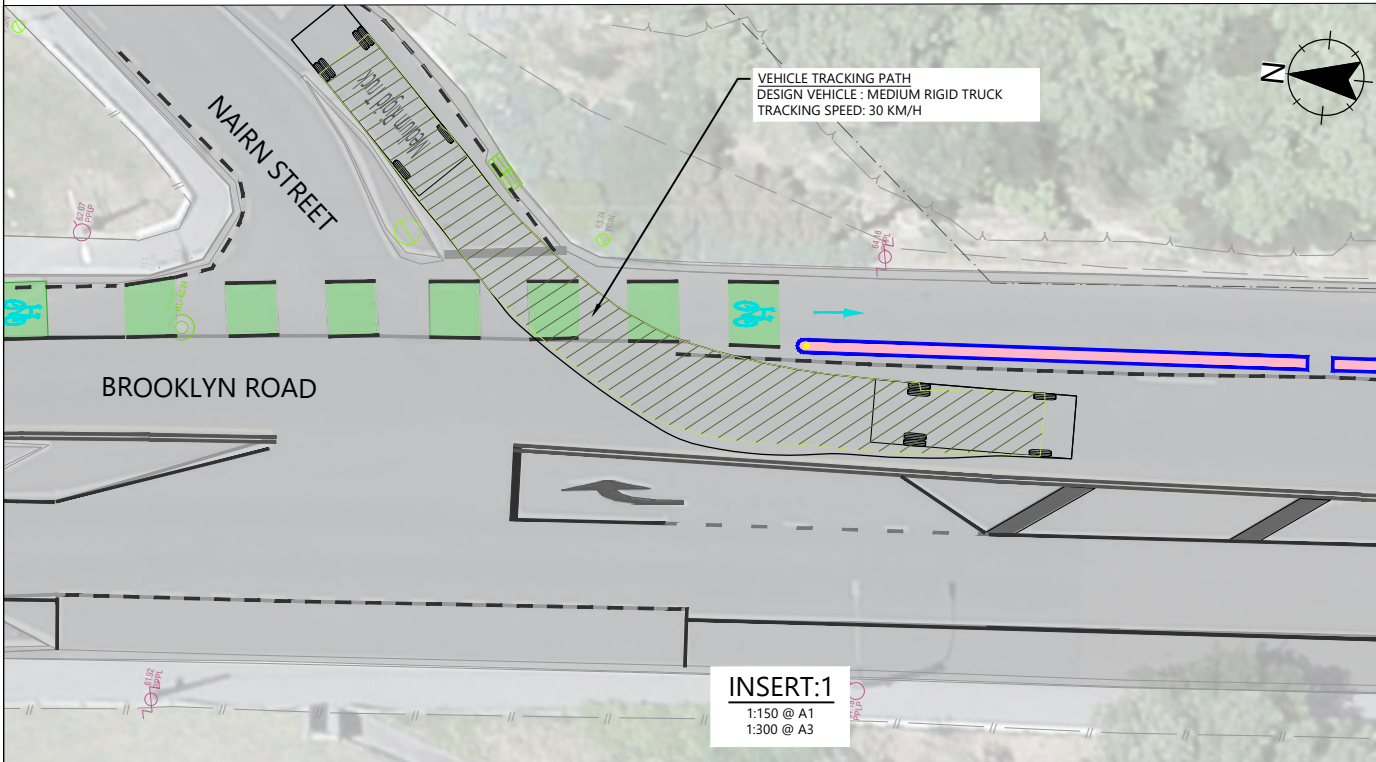
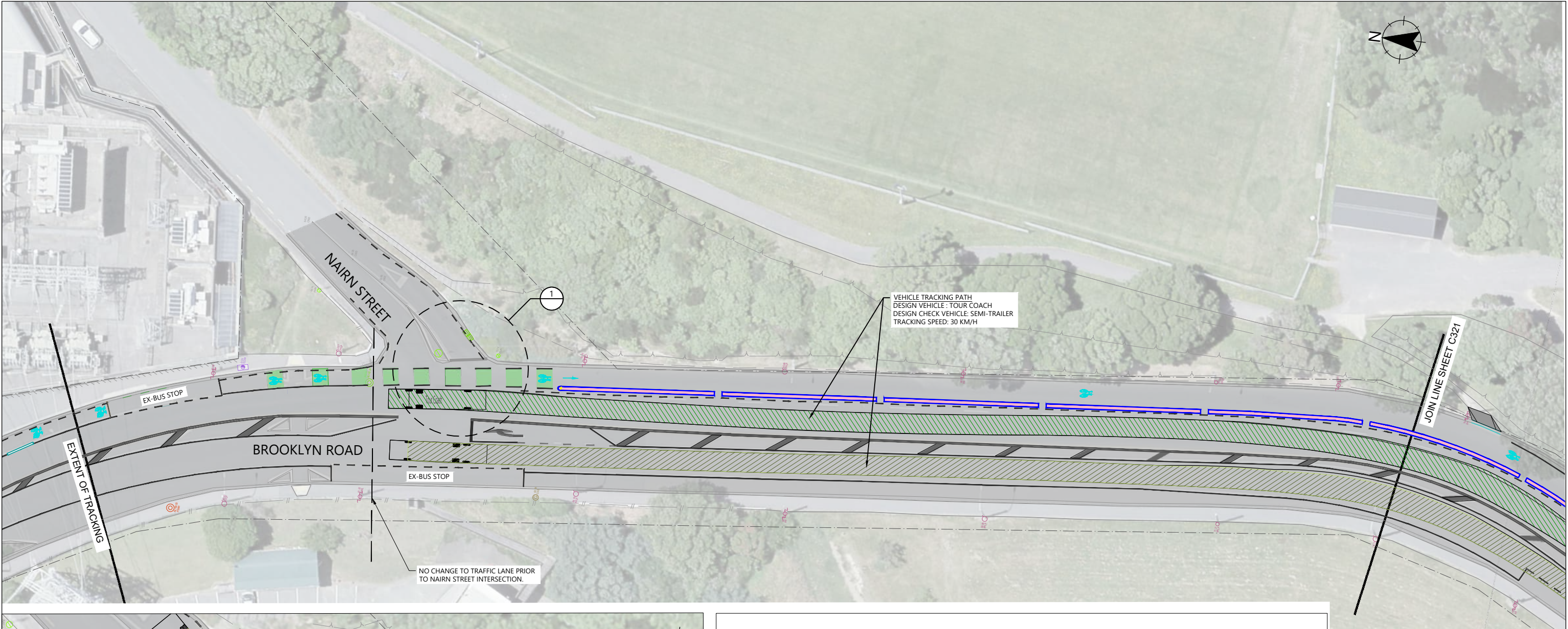
PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
GENERAL ARRANGEMENT PLAN SHEET 9 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C309	0

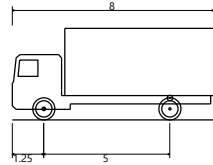








Tour Coach  
Overall Length 12.600m  
Overall Width 2.500m  
Overall Body Height 4.164m  
Min Body Ground Clearance 0.335m  
Track Width 2.500m  
Lock-to-lock time 6.00s  
Wall to Wall Turning Radius 12.500m



Medium Rigid Truck  
Overall Length 8.000m  
Overall Width 2.500m  
Overall Body Height 3.632m  
Min Body Ground Clearance 0.427m  
Track Width 2.500m  
Lock-to-lock time 6.00s  
Wall to Wall Turning Radius 10.000m

INSERT:DESIGN VEHICLE DETAILS

NTS

LEGEND:

- PROPERTY BOUNDARY
- ROAD MARKINGS EXISTING (WHITE)
- ROAD MARKINGS EXISTING (YELLOW NO PARKING)
- ROAD MARKING EXISTING (YELLOW CENTRE LINE)
- ROAD MARKINGS REMOVED
- NEW SOLID WHITE CENTRE LINE
- NEW SOLID DOUBLE YELLOW CENTRE LINE
- NEW NO STOPPING LINE (NSAAT)
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- EXISTING KERBS REMOVED
- NEW KERB AND CHANNEL
- DROP KERB FOR RAMP
- NEW MOUNTABLE KERB
- NEW BUS STOP KERBS
- NEW NIB KERB (KERB STAND)
- ROAD SIGNS REMOVED
- ROAD SIGNS NEW
- EXISTING CYCLE LANE MARKING
- NEW CYCLE LANE MARKING
- CARRIAGEWAY REINSTATEMENT
- NEW ASPHALT FOOTPATH
- CONCRETE SEPARATOR (600 mm WIDE)
- CONCRETE SEPARATOR (300 mm WIDE)
- PLASTIC SPEED HUMP (EXISTING)
- PLASTIC CYCLE LANE SEPARATORS (EXISTING)
- EXISTING POWER POLE
- NEW STREETLIGHT POLE
- NEW STORMWATER SUMP
- SW NEW STORMWATER PIPE
- DP NEW STORMWATER KERB OUTLETS

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
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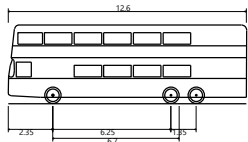
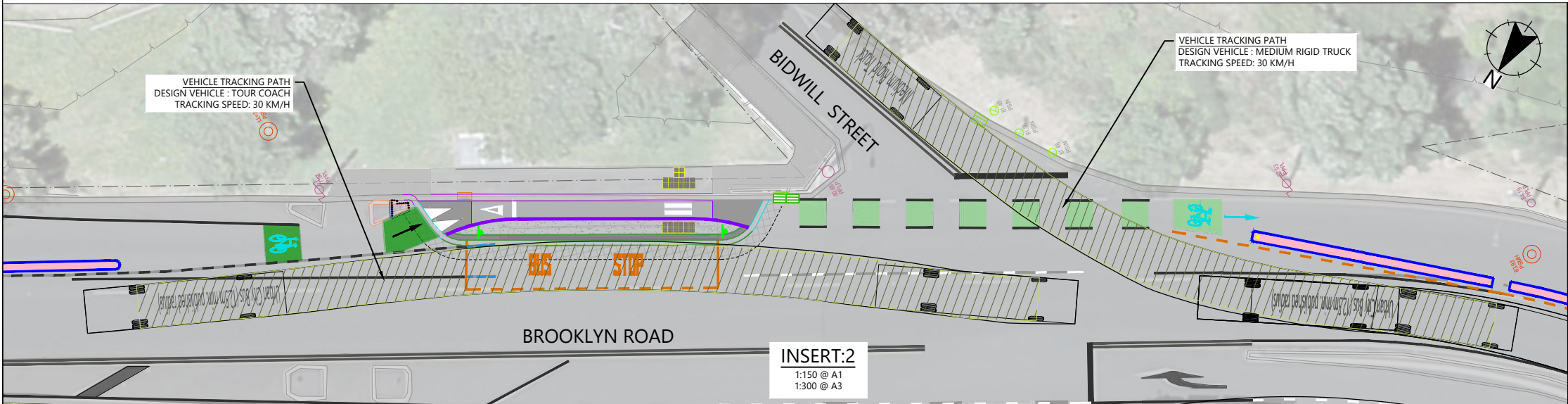
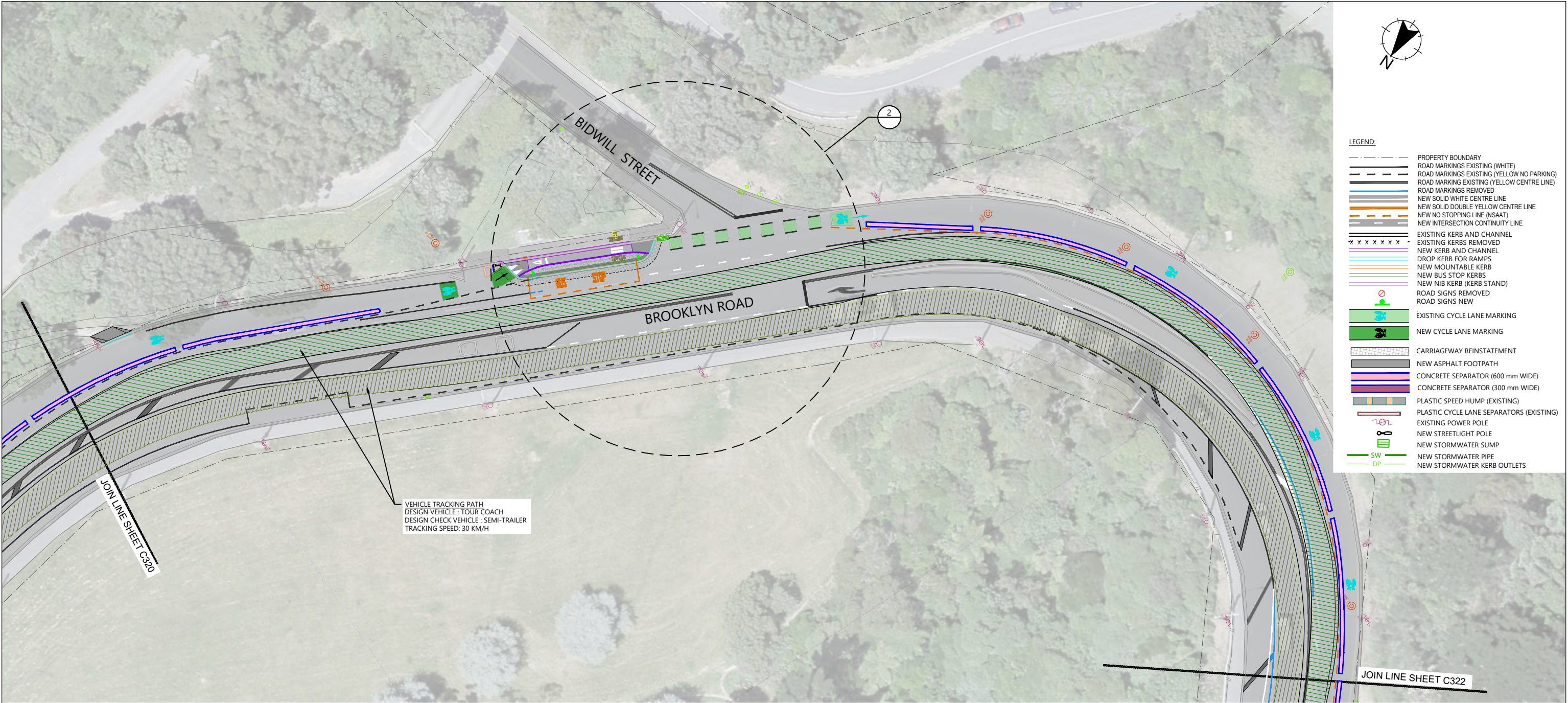
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PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
VEHICLE TRACKING PLAN SHEET 1 OF 6

ISSUED FOR CONSTRUCTION

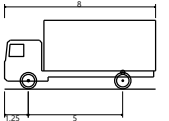
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C320	0





Tour Coach  
Overall Length  
Overall Width  
Overall Body Height  
Min Body Ground Clearance  
Track Width  
Lock-to-lock time  
Wall to Wall Turning Radius

12.600m  
2.500m  
4.164m  
0.335m  
2.500m  
6.00s  
12.500m



Medium Rigid Truck  
Overall Length  
Overall Width  
Overall Body Height  
Min Body Ground Clearance  
Track Width  
Lock-to-lock time  
Wall to Wall Turning Radius

8.000m  
2.500m  
3.632m  
0.427m  
2.500m  
6.00s  
10.000m

**INSERT:DESIGN VEHICLE DETAILS**  
NTS

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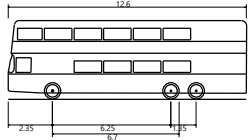
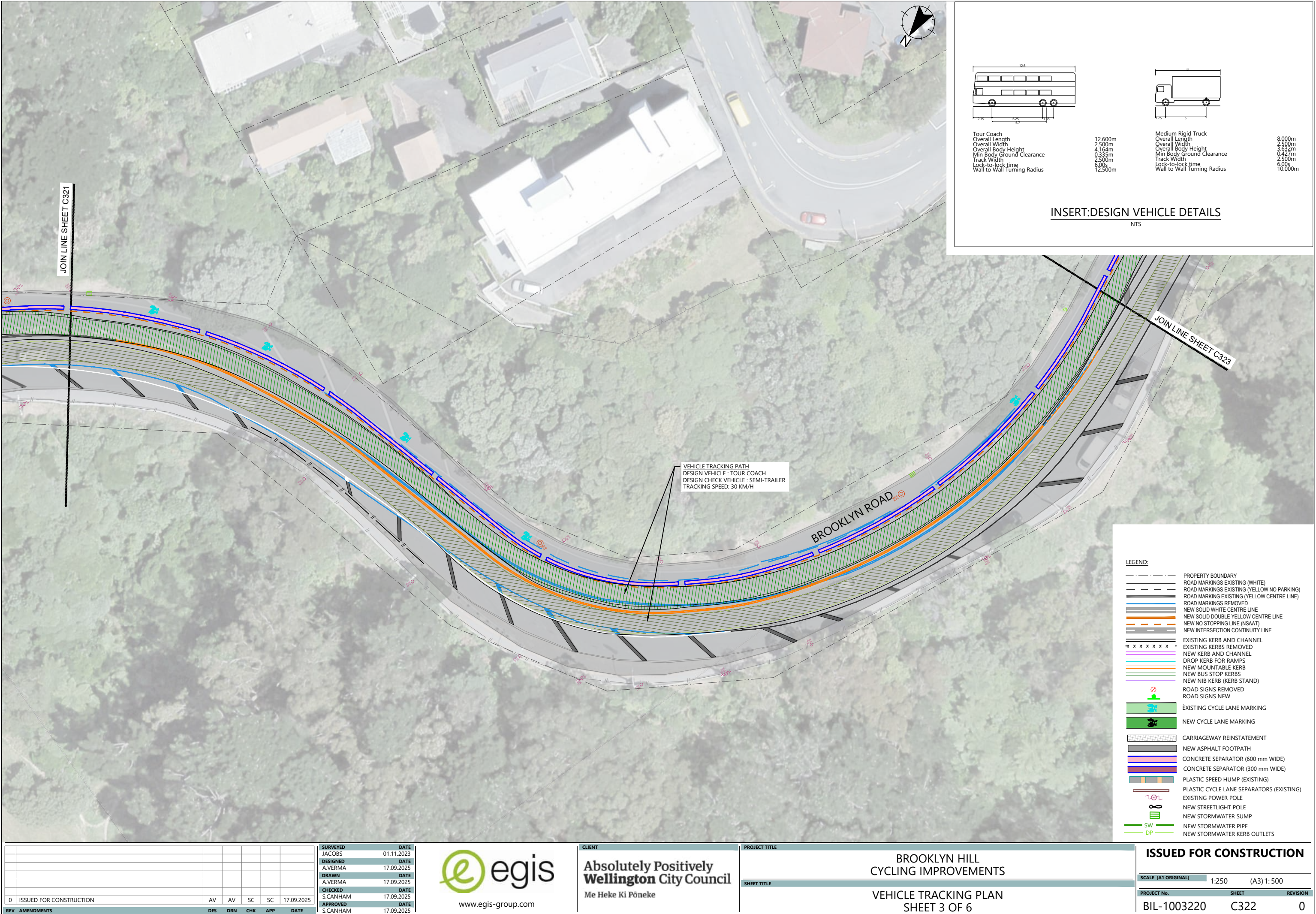
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**PROJECT TITLE**  
**BROOKLYN HILL**  
**CYCLING IMPROVEMENTS**  
**SHEET TITLE**  
**VEHICLE TRACKING PLAN**  
**SHEET 2 OF 6**

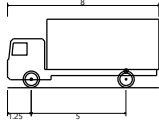
**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C321	0





Tour Coach  
Overall Length 12.600m  
Overall Width 2.500m  
Overall Body Height 4.164m  
Min Body Ground Clearance 0.335m  
Track Width 2.500m  
Lock-to-lock time 6.00s  
Wall to Wall Turning Radius 12.500m



Medium Rigid Truck  
Overall Length 8.000m  
Overall Width 2.500m  
Overall Body Height 3.632m  
Min Body Ground Clearance 0.427m  
Track Width 2.500m  
Lock-to-lock time 6.00s  
Wall to Wall Turning Radius 10.000m

INSERT:DESIGN VEHICLE DETAILS

NTS

LEGEND:

- PROPERTY BOUNDARY
- ROAD MARKINGS EXISTING (WHITE)
- ROAD MARKINGS EXISTING (YELLOW NO PARKING)
- ROAD MARKINGS EXISTING (YELLOW CENTRE LINE)
- ROAD MARKINGS REMOVED
- NEW SOLID WHITE CENTRE LINE
- NEW SOLID DOUBLE YELLOW CENTRE LINE
- NEW NO STOPPING LINE (NSAAT)
- NEW INTERSECTION CONTINUITY LINE
- EXISTING KERB AND CHANNEL
- EXISTING KERBS REMOVED
- NEW KERB AND CHANNEL
- DROP KERB FOR RAMPS
- NEW MOUNTABLE KERB
- NEW BUS STOP KERBS
- NEW NIB KERB (KERB STAND)
- ROAD SIGNS REMOVED
- ROAD SIGNS NEW
- EXISTING CYCLE LANE MARKING
- NEW CYCLE LANE MARKING
- CARRIAGEWAY REINSTATEMENT
- NEW ASPHALT FOOTPATH
- CONCRETE SEPARATOR (600 mm WIDE)
- CONCRETE SEPARATOR (300 mm WIDE)
- PLASTIC SPEED HUMP (EXISTING)
- PLASTIC CYCLE LANE SEPARATORS (EXISTING)
- EXISTING POWER POLE
- NEW STREETLIGHT POLE
- NEW STORMWATER SUMP
- NEW STORMWATER PIPE
- NEW STORMWATER KERB OUTLETS

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



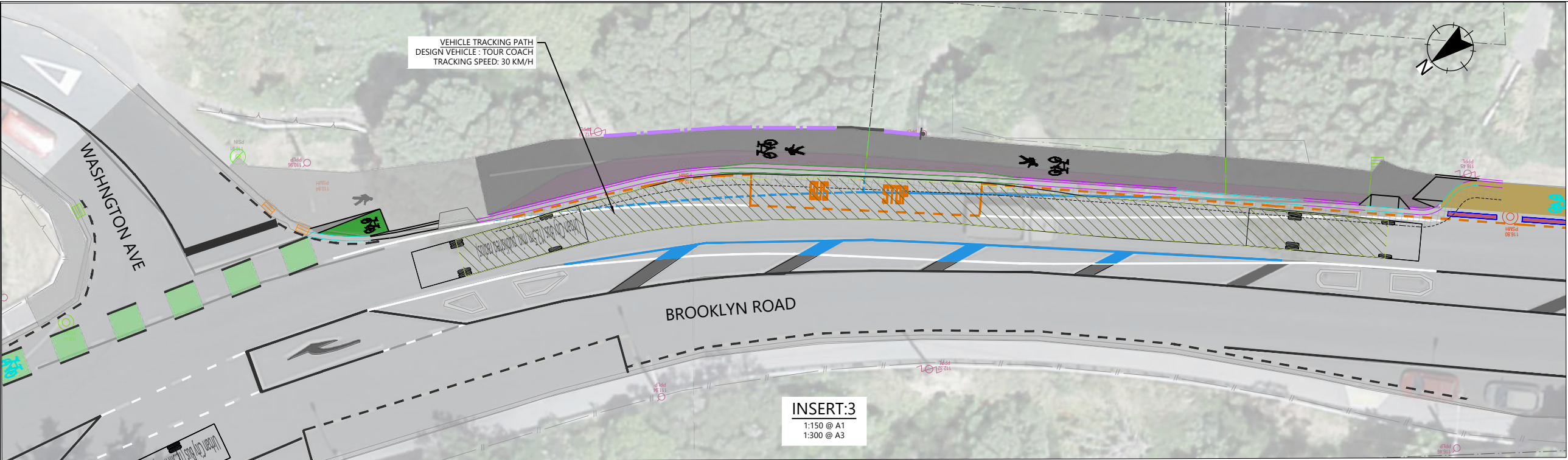
CLIENT  
**Absolutely Positively  
Wellington City Council**  
Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
VEHICLE TRACKING PLAN SHEET 3 OF 6

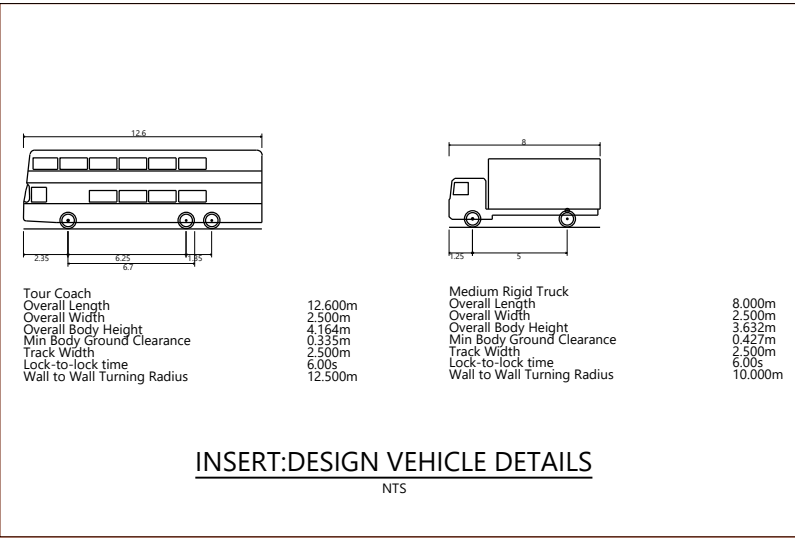
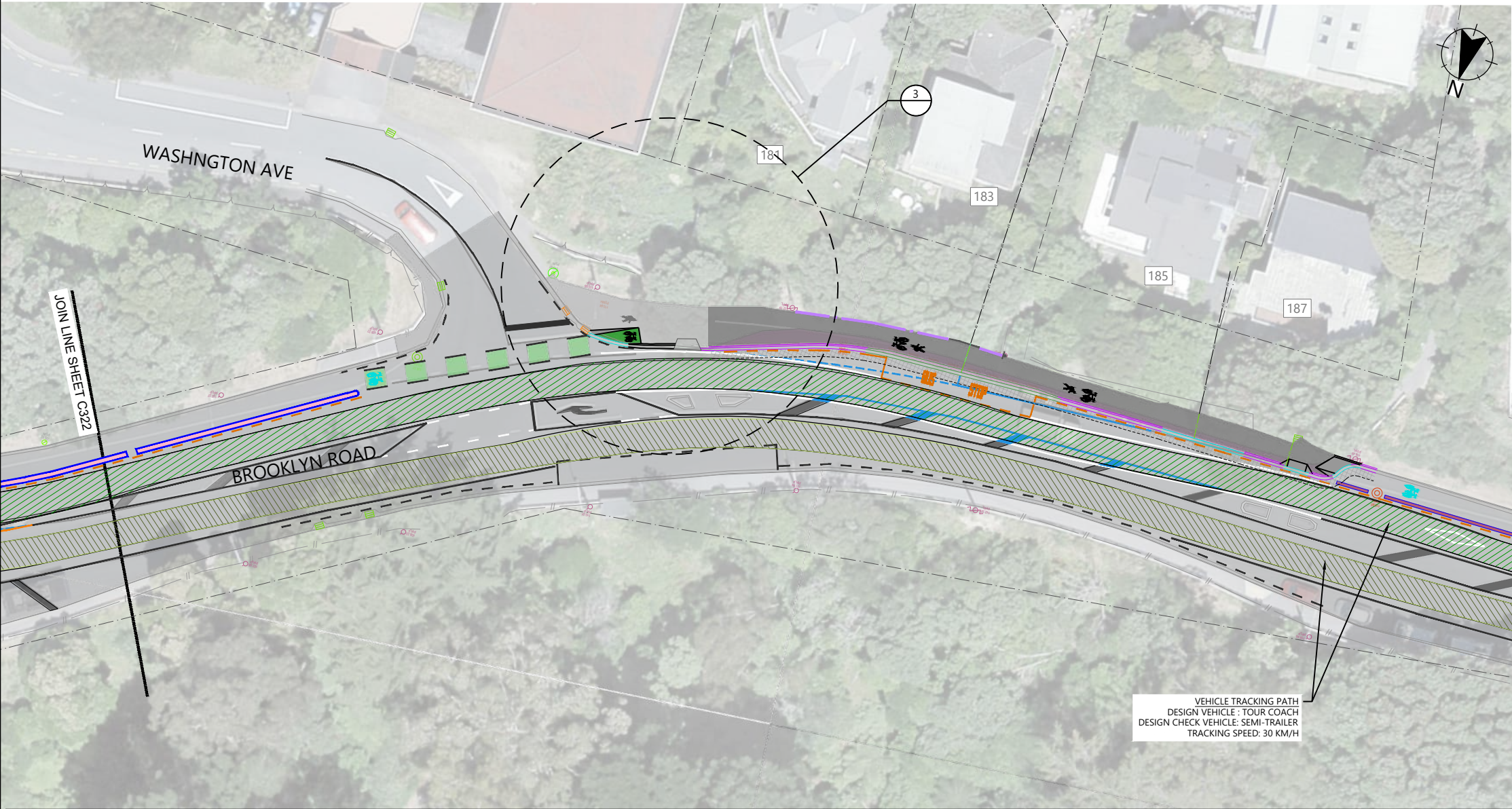
ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C322	0





- NOTES  
REFER TO DRAWING C300 FOR GENERAL NOTES
- LEGEND:
- PROPERTY BOUNDARY
  - ROAD MARKINGS EXISTING (WHITE)
  - ROAD MARKINGS EXISTING (YELLOW NO PARKING)
  - ROAD MARKINGS EXISTING (YELLOW CENTRE LINE)
  - ROAD MARKINGS REMOVED
  - NEW SOLID WHITE CENTRE LINE
  - NEW SOLID DOUBLE YELLOW CENTRE LINE
  - NEW NO STOPPING LINE (NSAAT)
  - NEW INTERSECTION CONTINUITY LINE
  - EXISTING KERB AND CHANNEL
  - EXISTING KERBS REMOVED
  - NEW KERB AND CHANNEL
  - DROP KERB FOR RAMP
  - NEW MOUNTABLE KERB
  - NEW BUS STOP KERBS
  - NEW NIB KERB (KERB STAND)
  - ROAD SIGNS REMOVED
  - ROAD SIGNS NEW
  - EXISTING CYCLE LANE MARKING
  - NEW CYCLE LANE MARKING
  - CARRIAGEWAY REINSTATEMENT
  - NEW ASPHALT FOOTPATH
  - CONCRETE SEPARATOR (600 mm WIDE)
  - CONCRETE SEPARATOR (300 mm WIDE)
  - PLASTIC SPEED HUMP (EXISTING)
  - PLASTIC CYCLE LANE SEPARATORS (EXISTING)
  - EXISTING POWER POLE
  - NEW STREETLIGHT POLE
  - NEW STORMWATER SUMP
  - NEW STORMWATER PIPE
  - NEW STORMWATER KERB OUTLETS



REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



CLIENT

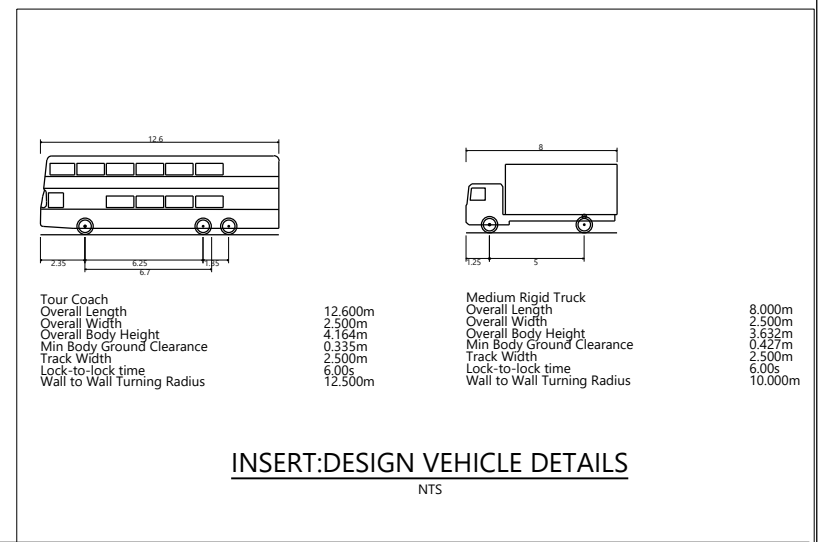
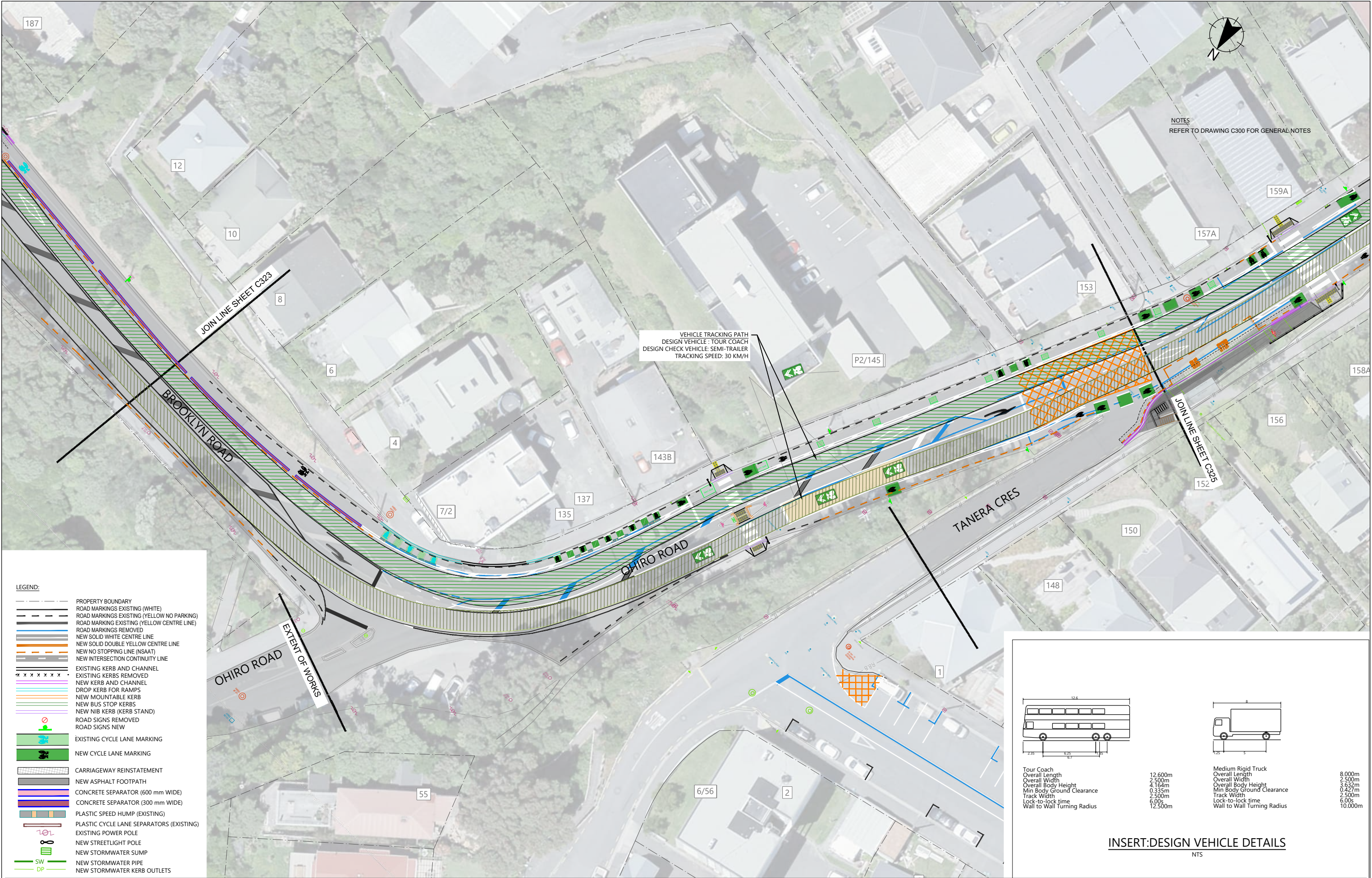
**Absolutely Positively**  
**Wellington City Council**

Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
VEHICLE TRACKING PLAN SHEET 4 OF 6

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C323	0





REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



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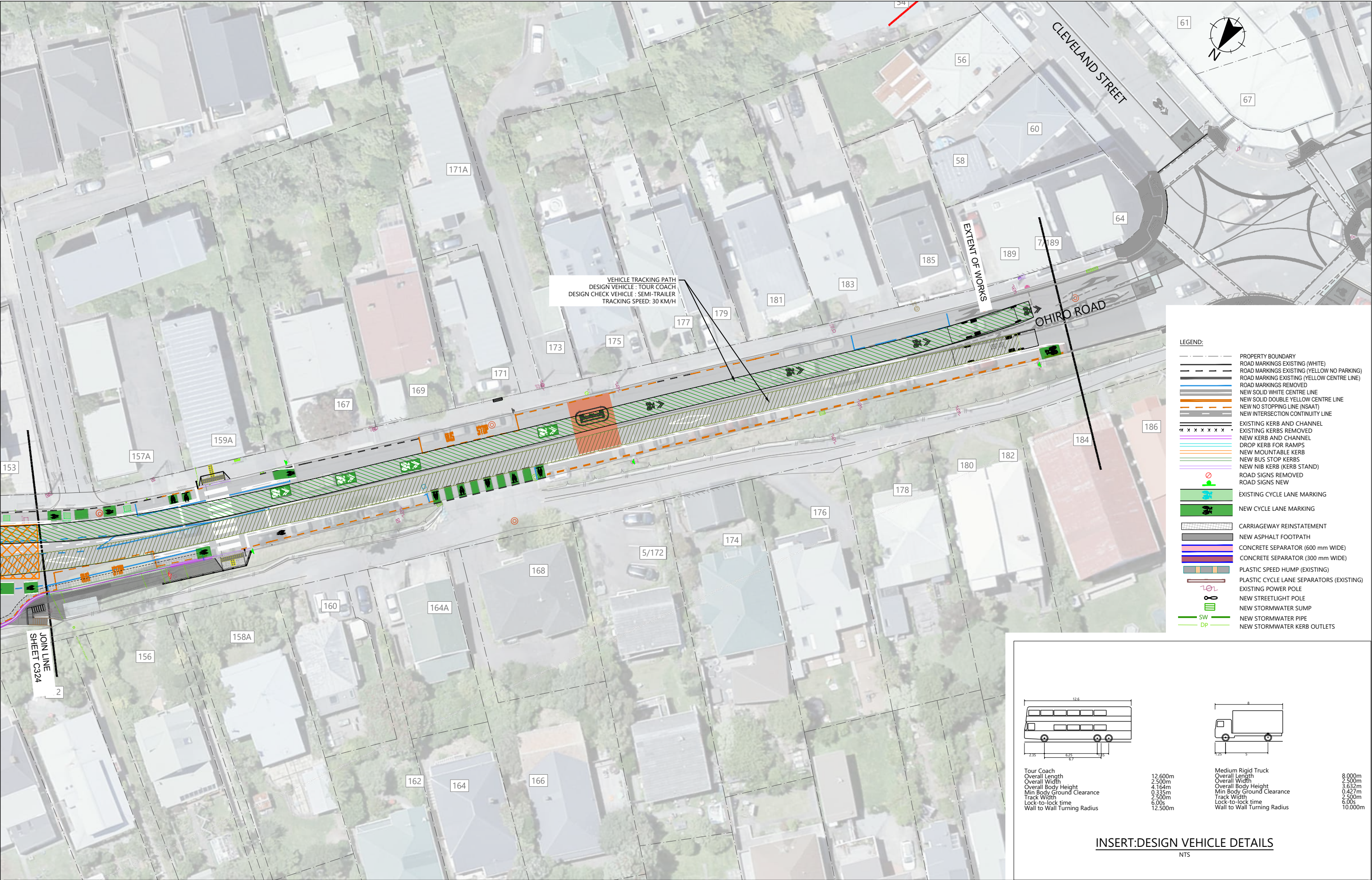
PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
VEHICLE TRACKING PLAN SHEET 5 OF 6

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C324	0

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H:\WLG\_2025 EARTH Projects\11-ROAD - TRANSPORT ROAD\BIL-1003220 Brooklyn Hill Low-cost Cycleway Design\320 Drawings\3\_Drawing\BIL-1003220-C320.dwg, Plotted By VERMA Ayush at 17/09/2025 13:36:09





REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025

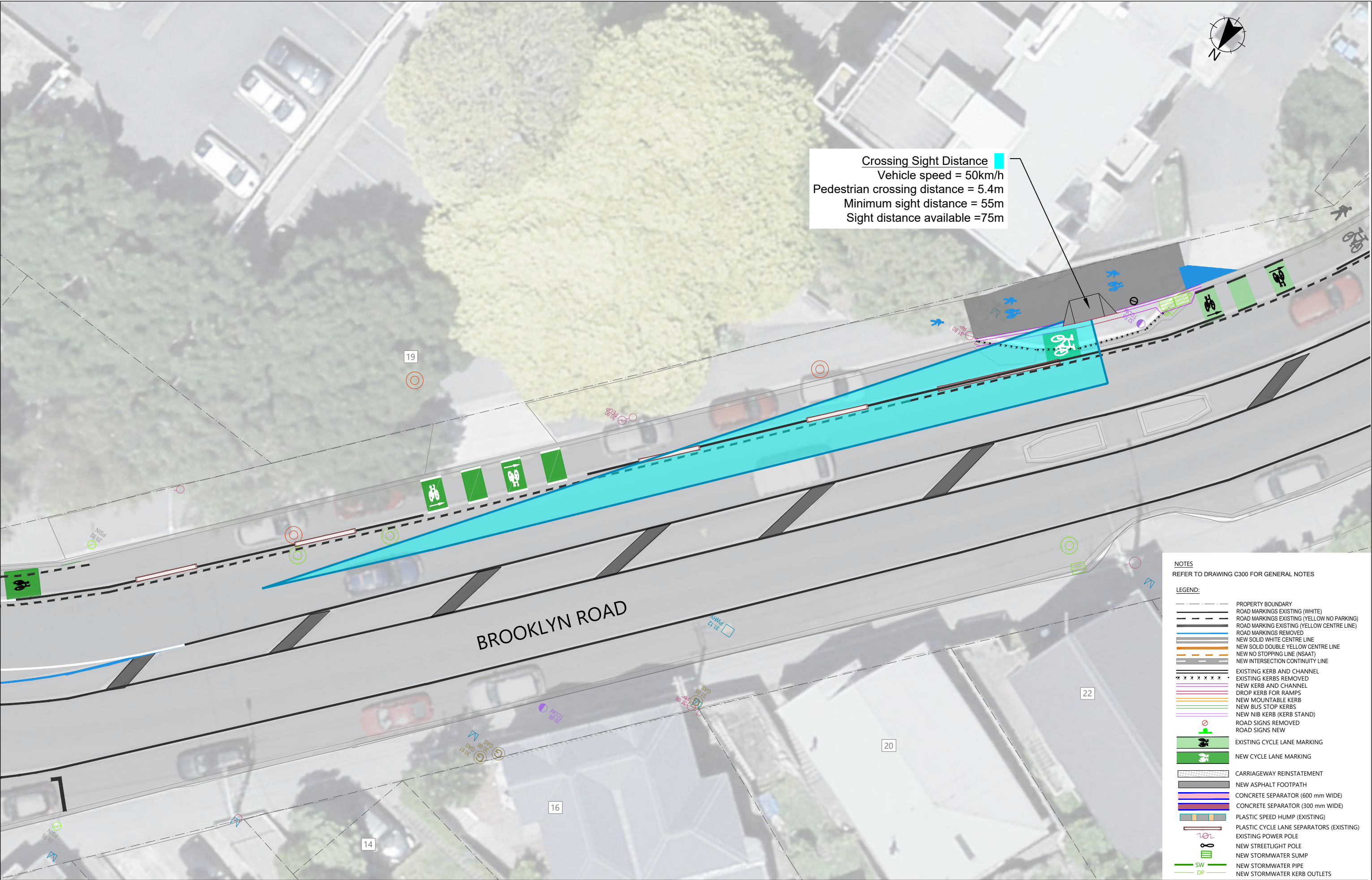


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Wellington City Council**  
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PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	VEHICLE TRACKING PLAN SHEET 6 OF 6

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	C325	0





**NOTES**  
REFER TO DRAWING C300 FOR GENERAL NOTES

**LEGEND:**

- PROPERTY BOUNDARY
- ROAD MARKINGS EXISTING (WHITE)
- ROAD MARKINGS EXISTING (YELLOW NO PARKING)
- ROAD MARKINGS EXISTING (YELLOW CENTRE LINE)
- ROAD MARKINGS REMOVED
- NEW SOLID WHITE CENTRE LINE
- NEW SOLID DOUBLE YELLOW CENTRE LINE
- NEW NO STOPPING LINE (NSAAT)
- NEW INTERSECTION CONTINUITY LINE
- EXISTING KERB AND CHANNEL
- EXISTING KERBS REMOVED
- NEW KERB AND CHANNEL
- DROP KERB FOR RAMP
- NEW MOUNTABLE KERB
- NEW BUS STOP KERBS
- NEW NIB KERB (KERB STAND)
- ROAD SIGNS REMOVED
- ROAD SIGNS NEW
- EXISTING CYCLE LANE MARKING
- NEW CYCLE LANE MARKING
- CARRIAGEWAY REINSTATEMENT
- NEW ASPHALT FOOTPATH
- CONCRETE SEPARATOR (600 mm WIDE)
- CONCRETE SEPARATOR (300 mm WIDE)
- PLASTIC SPEED HUMP (EXISTING)
- PLASTIC CYCLE LANE SEPARATORS (EXISTING)
- EXISTING POWER POLE
- NEW STREETLIGHT POLE
- NEW STORMWATER SUMP
- SW NEW STORMWATER PIPE
- DP NEW STORMWATER KERB OUTLETS

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
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DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



**CLIENT**  
**Absolutely Positively**  
**Wellington City Council**  
Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
SIGHT DISTANCE CHECK KERB EXTENSION REMOVAL (21 BROOKLYN ROAD)

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:100	(A3) 1:200
PROJECT No.	SHEET	REVISION
BIL-1003220	C330	0





Crossing Sight Distance

Vehicle speed = 50km/h

Pedestrian crossing distance = 5.1m

Minimum sight distance = 50m

Sight distance available = 56m

- | NOTES                                   |   |
|---|---|
| REFER TO DRAWING C300 FOR GENERAL NOTES |   |
| <u>LEGEND:</u>                          |   |
|   | PROPERTY BOUNDARY                           |
|   | ROAD MARKINGS EXISTING (WHITE)              |
|   | ROAD MARKINGS EXISTING (YELLOW NO PARKING)  |
|   | ROAD MARKINGS EXISTING (YELLOW CENTRE LINE) |
|   | ROAD MARKINGS REMOVED                       |
|   | NEW SOLID WHITE CENTRE LINE                 |
|   | NEW SOLID DOUBT YELLOW CENTRE LINE          |
|   | NEW NO STOPPING LINE (NSAT)                 |
|   | NEW INTERSECTION CONTINUITY LINE            |
|   | EXISTING KERB AND CHANNEL                   |
|   | EXISTING KERBS REMOVED                      |
|   | NEW KERB AND CHANNEL                        |
|   | DROP KERB FOR RAMP                          |
|   | NEW MOUNTABLE KERB                          |
|   | NEW BUS STOP KERBS                          |
|   | NEW NIB KERB (KERB STAND)                   |
|   | ROAD SIGNS REMOVED                          |
|   | ROAD SIGNS NEW                              |
|   | EXISTING CYCLE LANE MARKING                 |
|   | NEW CYCLE LANE MARKING                      |
|   | CARRIAGEWAY REINSTATEMENT                   |
|   | NEW ASPHALT FOOTPATH                        |
|   | CONCRETE SEPARATOR (600 mm WIDE)            |
|   | CONCRETE SEPARATOR (300 mm WIDE)            |
|   | PLASTIC SPEED HUMP (EXISTING)               |
|   | PLASTIC LANE SEPARATORS (EXISTING)          |
|   | EXISTING POWER POLE                         |
|   | NEW STREETLIGHT POLE                        |
|   | NEW STORMWATER PUMP                         |
|   | NEW STORMWATER PIPE                         |
|   | NEW STORMWATER KERB OUTLETS                 |

0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025		
REV	AMENDMENTS	DES	DRN	CHK	APP	DATE		

<b>SURVEYED</b>	<b>DATE</b>
JACOBS	01.11.2023
<b>DESIGNED</b>	<b>DATE</b>
A.VERMA	17.09.2025
<b>DRAWN</b>	<b>DATE</b>
A.VERMA	17.09.2025
<b>CHECKED</b>	<b>DATE</b>
S.CANHAM	17.09.2025
<b>APPROVED</b>	<b>DATE</b>
S.CANHAM	17.09.2025



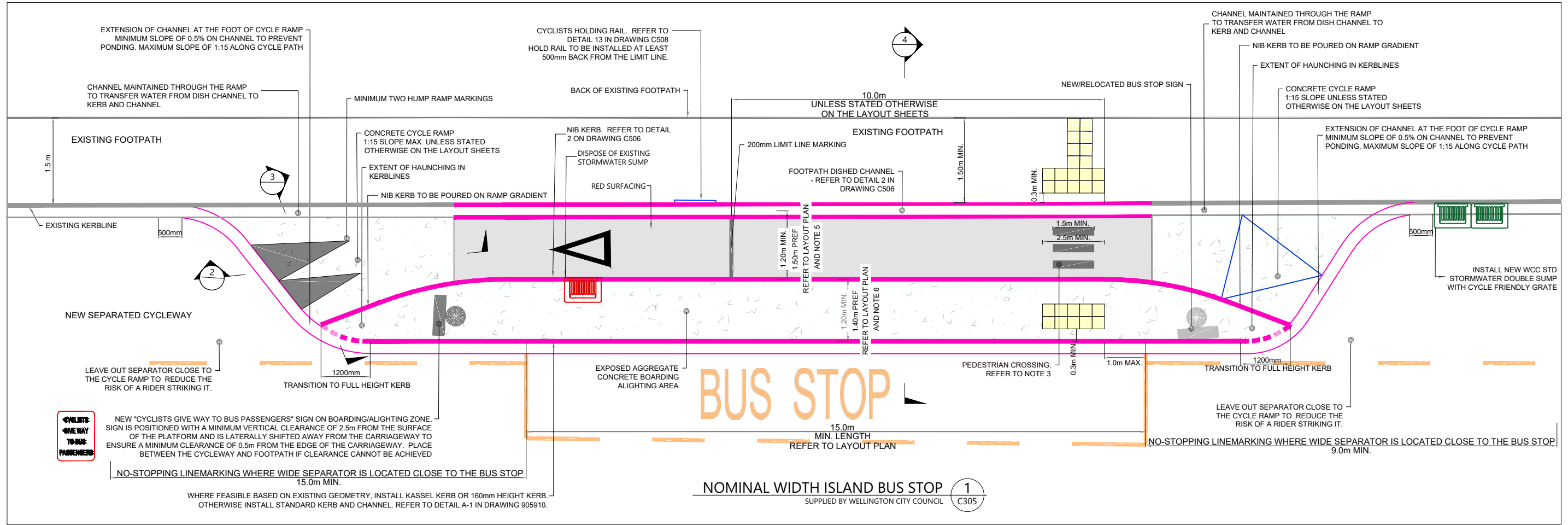
**Absolutely Positively  
Wellington City Council**  
Me Heke Kī Pōneke

PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	SIGHT DISTANCE CHECK KERB EXTENSION REMOVAL (25 BROOKLYN ROAD)

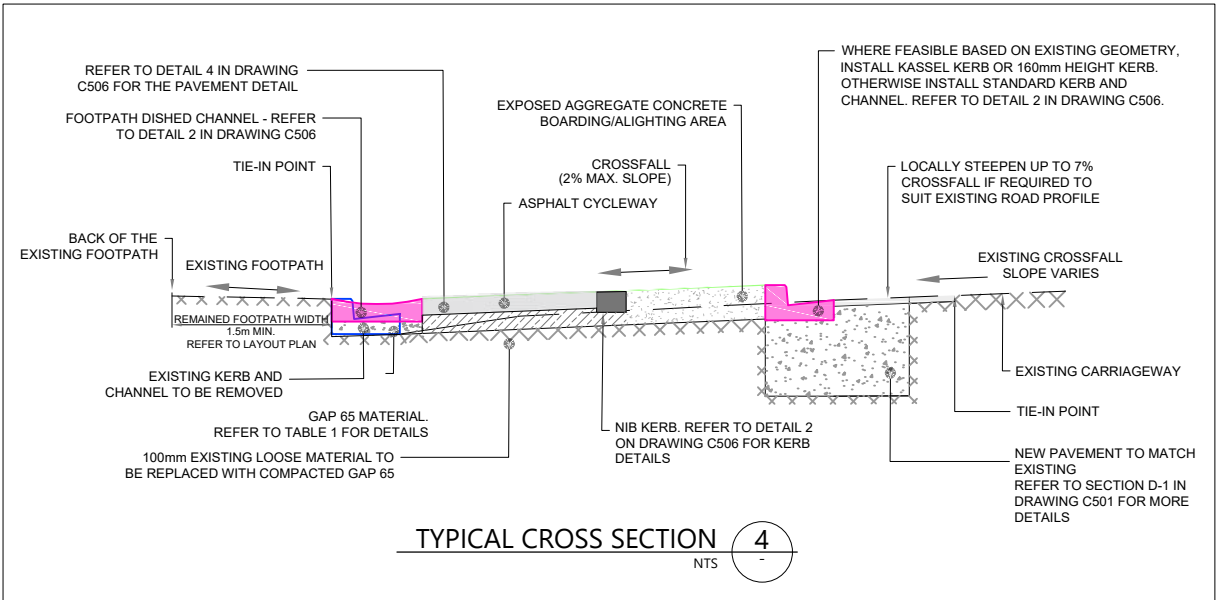
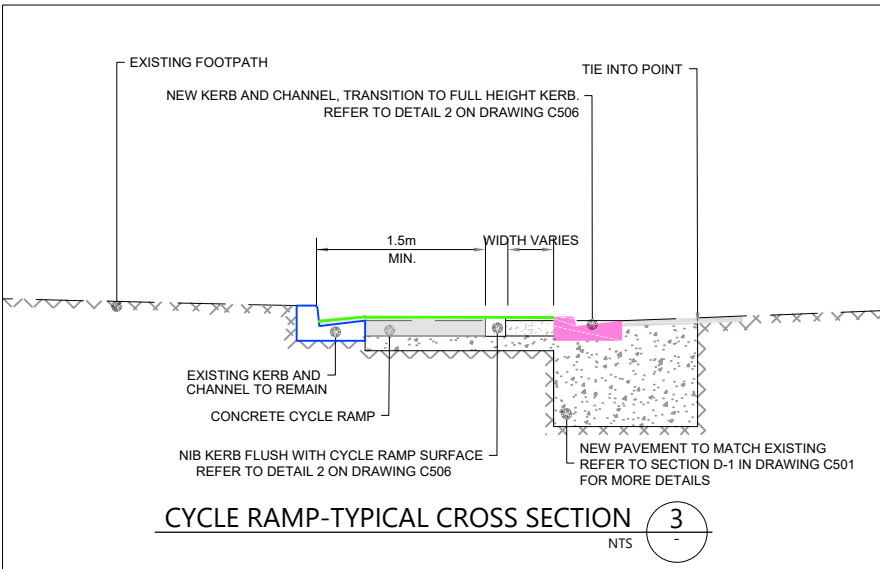
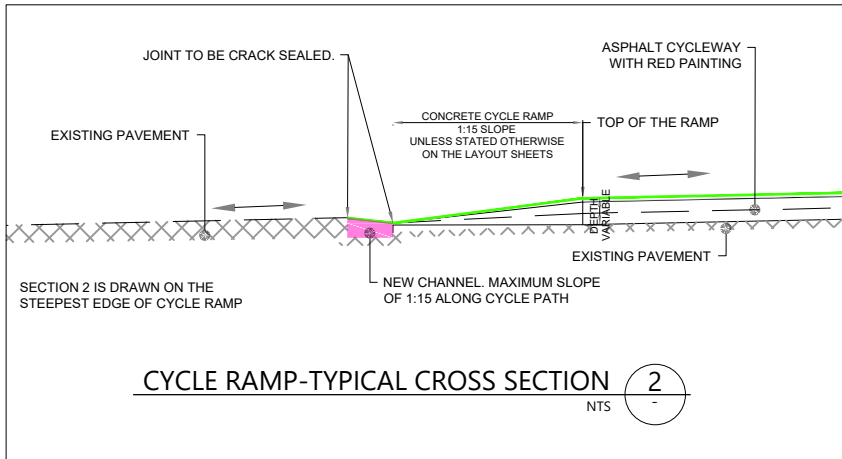
**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL)	1:100	(A3) 1: 200
PROJECT No.	SHEET	REVISION
BIL-1003220	C331	0





LEGEND	
EXISTING GROUND	---
DESIGN SURFACE	---



NOTE:

- ALL STORMWATER CATCHPITS MUST HAVE A CYCLE FRIENDLY LID.
- PEDESTRIAN CROSSING MARKING INCLUDES 200 WIDE (MIN.) BARS AND 200mm GAP.
- WHERE THE CROSSFALL OF NEW BUS ISLAND IS TOWARD THE EXISTING CARRIAGEWAY OR EXISTING FOOTPATH SLOPED TO THE BACK OF FOOTPATH THERE IS NO REQUIREMENT TO INSTALL DISHED CHANNEL BETWEEN THE EXISTING FOOTPATH AND NEW CYCLE LANE.
- CYCLE SPACE:
  - WIDTH GREATER THAN 1.5m IS NOT DESIRABLE AS NARROW WIDTH HELP DIRECT CYCLISTS AND HIGHLIGHT CONFLICT AREA.
  - SHY SPACE IS REQUIRED FROM ANY OBSTACLE
  - RAMP WIDTH ARE MINIMUM 1.5m TO PROVIDE SPACE FOR WIDE BIKES
  - CYCLE SPACE FORMED FROM ASPHALT AS AN INFILL BETWEEN DISH CHANNEL AND BOARDING/ALIGHTING PLATFORM
- BOARDING/ALIGHTING PLATFORM:
  - WHERE POSSIBLE WIDTH OF PLATFORM SHOULD BE EQUAL OR WIDER THAN CYCLESPEACE
  - CONSTRUCTED WITH EXPOSED AGGREGATE SURFACE
- FOOTPATH AREA:
  - SHY SPACE IS REQUIRED FROM ANY OBSTACLE SUCH AS A HIGH FENCE OR POWER POLE

TABLE 1: PAVEMENT CONTINGENCY PLANS			
IN-SITU CBR	SUBGRADE IMPROVEMENT REQUIREMENTS		
	BUS ISLAND AND FOOTPATH	KERB AND CHANNEL	PAVEMENT
4%	NOT REQUIRED	150mm	NOT REQUIRED
3%	NOT REQUIRED	150mm	NOT REQUIRED
2%	150mm	300mm	150mm
1%	300mm	600mm	300mm
0.5%	450mm	900mm	450mm

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
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A.VERMA	17.09.2025
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S.CANHAM	17.09.2025
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S.CANHAM	17.09.2025

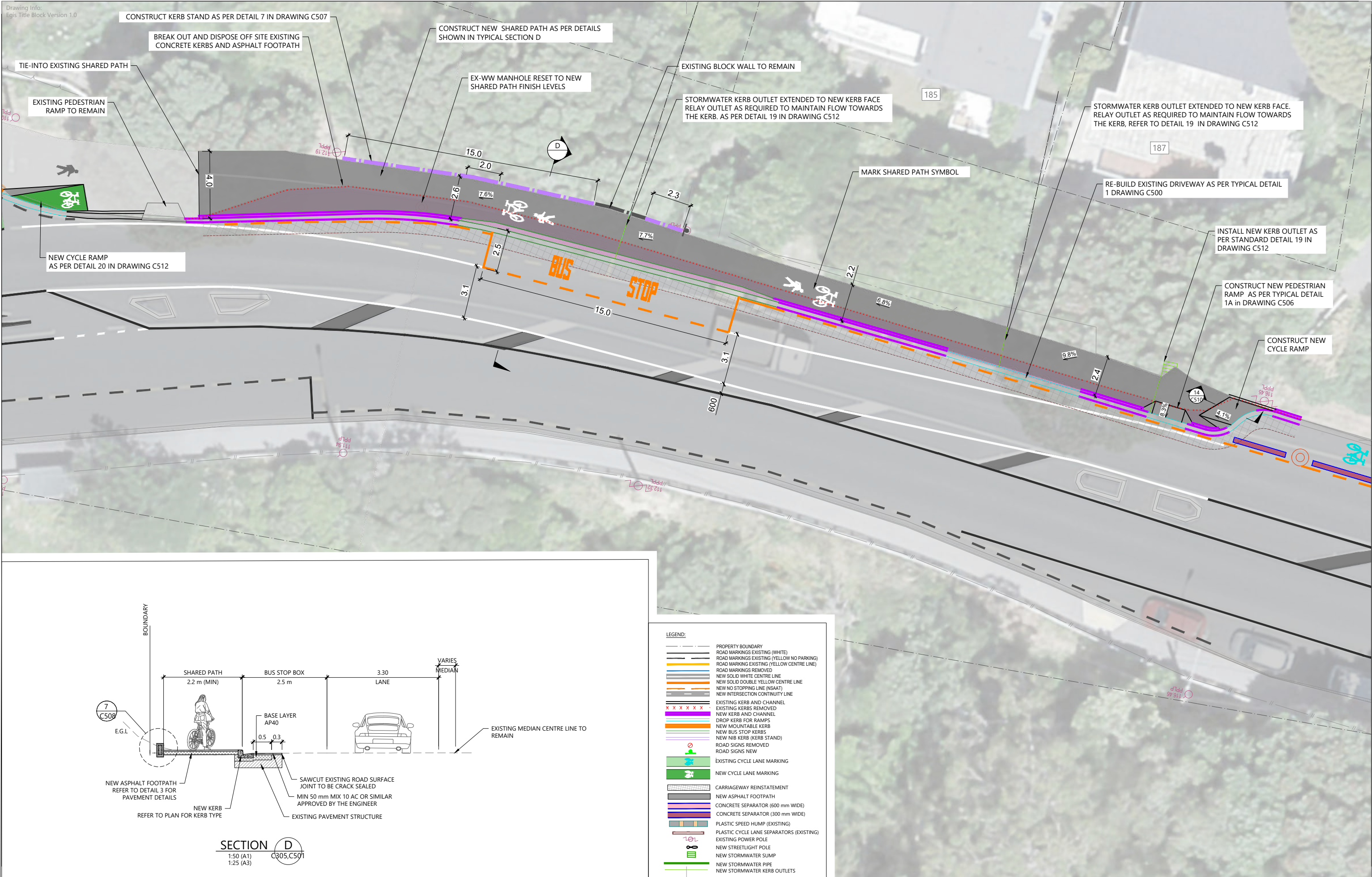


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PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
TYPICAL DETAILS BUS STOP ISLAND (ID:6715)

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	SCALE AS NOTED	ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION
BIL-1003220	500	0





0	ISSUED FOR CONSTRUCTION		AV	AV	SC	SC	17.09.2025		
REV	AMENDMENTS		DES	DRN	CHK	APP	DATE		

<b>SURVEYED</b>	<b>DATE</b>
JACOBS	01.11.2023
<b>DESIGNED</b>	<b>DATE</b>
<b>DRAWN</b>	<b>DATE</b>
A.VERMA	17.09.2025
<b>CHECKED</b>	<b>DATE</b>
S.CANHAM	17.09.2025
<b>APPROVED</b>	<b>DATE</b>
S.CANHAM	17.09.2025

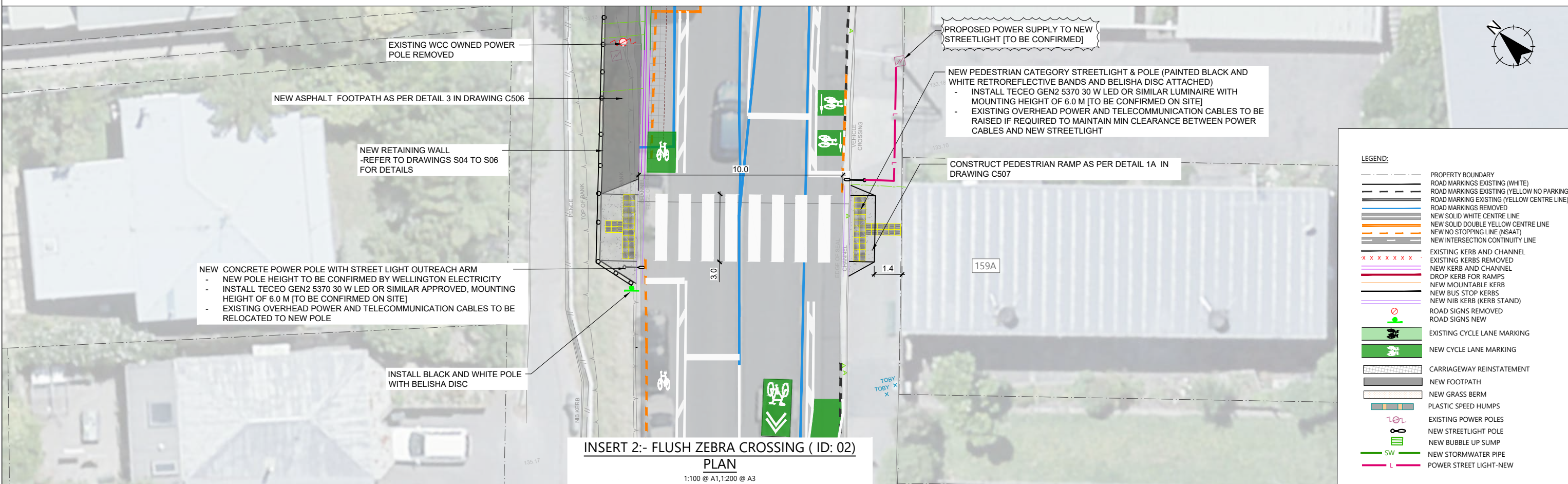
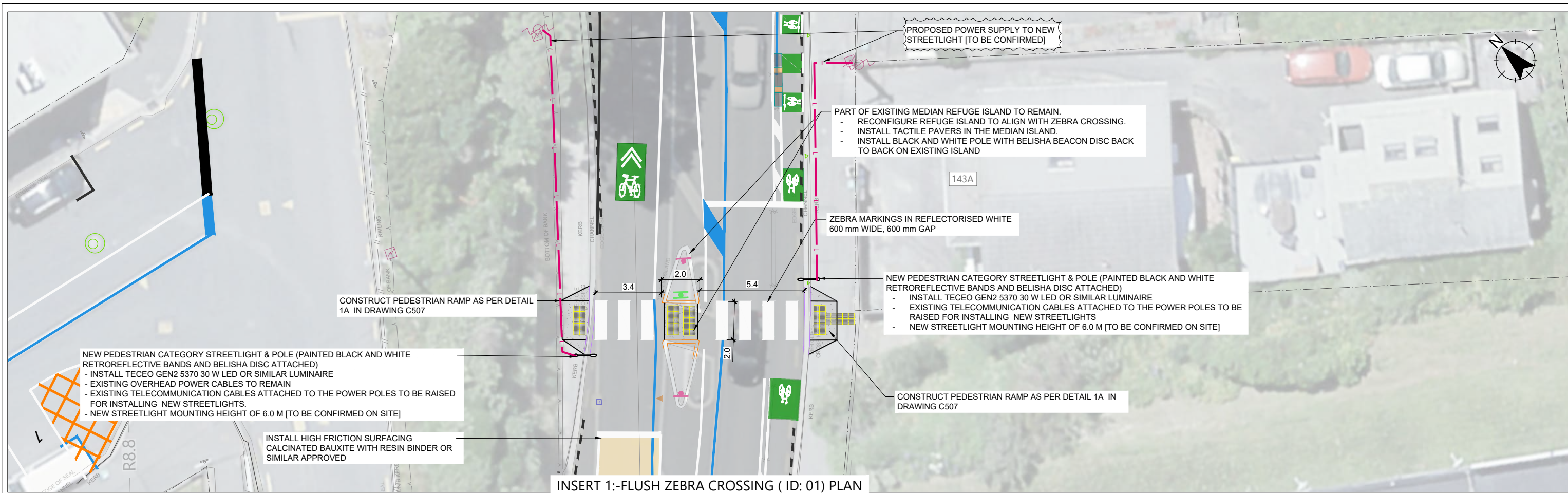


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PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	TYPICAL DETAILS BUS STOP ISLAND (ID:6716)

<h1 style="margin: 0;">ISSUED FOR CONSTRUCTION</h1>		
SCALE (A1 ORIGINAL)	SCALE AS NOTED	ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION
BIL-1003220	501	0





0	ISSUED FOR CONSTRUCTION			AV	AV	SC	17.09.2025
REV	AMENDMENTS			DES	DRN	CHK	DATE

<b>SURVEYED</b>	<b>DATE</b>
JACOBS	01.11.2023
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S.CANHAM	17.09.2025
<b>APPROVED</b>	<b>DATE</b>
S.CANHAM	17.09.2025



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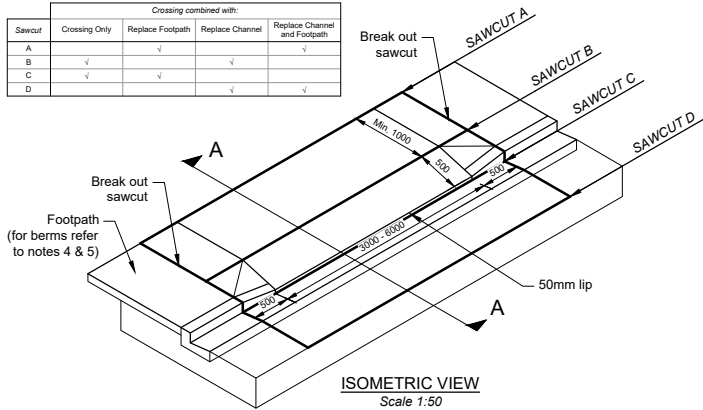
Me Heke Ki Pōneke

PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	PEDESTRIAN CROSSINGS ALTERNATIVE OPTION

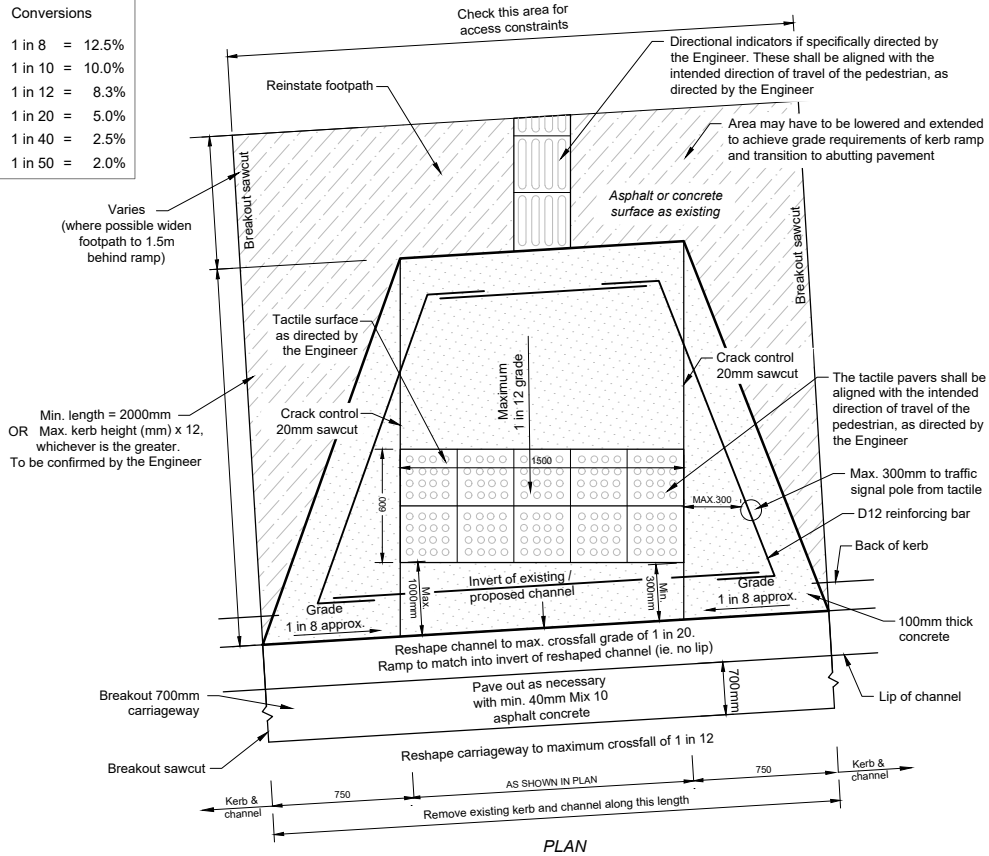
<b>ISSUED FOR CONSTRUCTION</b>		
<b>SCALE (AT ORIGINAL)</b>	<b>SCALE AS NOTED</b>	
<b>PROJECT No.</b>	<b>SHEET</b>	<b>REVISION</b>
BIL-1003220	506	0



SAWCUTS				
Crossing combined with:				
Sawcut	Crossing Only	Replace Footpath	Replace Channel	Replace Channel and Footpath
A	✓	✓	✓	✓
B	✓	✓	✓	✓
C	✓	✓	✓	✓
D	✓	✓	✓	✓

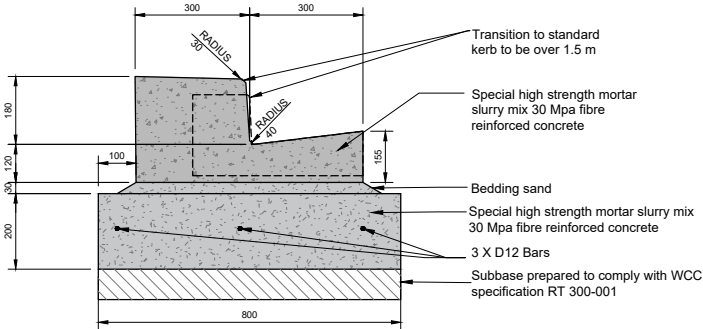


Grade Conversions	
1 in 8	= 12.5%
1 in 10	= 10.0%
1 in 12	= 8.3%
1 in 20	= 5.0%
1 in 40	= 2.5%
1 in 50	= 2.0%

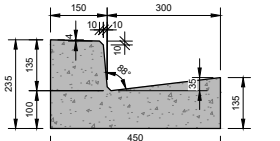


#### NOTES:

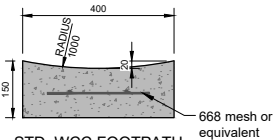
- 1) Tactile surfaces will normally be 60mm thick yellow concrete tiles laid on a 40mm thick 2:1 sand/cement bed. Any alternative materials shall be approved by the Engineer.
- 2) The tactile pavers should not be stepped in groups (unless agreed by the Engineer).
- 3) Kerb ramp to comply to NZS 4121 Design for Access & Mobility - Buildings & Associated Facilities.
- 4) Tactile surface to comply with LTSA RTS-14.
- 5) Directional indicators will normally be required in shopping and commercial areas and where the footpath is located away from the kerb and channel.
- 6) Tactile pavers setout to be approved by the Engineer on site prior to installation



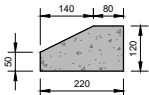
WCC BUS STOP KERB AND CHANNEL



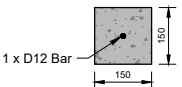
STANDARD WCC KERB AND CHANNEL



STD. WCC FOOTPATH DISHED CHANNEL



STANDARD WCC MOUNTABLE KERB

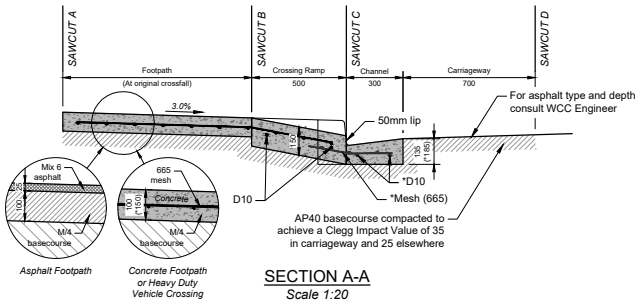


STD WCC NIB

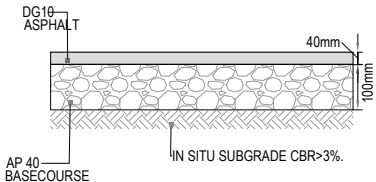
DETAIL: WCC STD KERBS  
1:10 (A1)  
WCC STD KERBS

#### CROSSING NOTES:

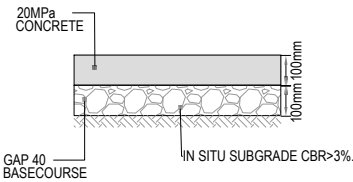
1. Where kerb height exceeds 135mm refer to Engineer.
2. 20 MPa (80 - 120 slump) concrete with lightly broomed finished.
3. Soft soils to be undercut by 200mm and filled with compacted basecourse.
4. Crossing details shown also apply where no public footpath exists.
5. Where a grass berm separates the footpath from the kerb, the crossing ramp shall extend from the kerbline to the edge of the adjacent footpath, or 500mm, whichever is greater. The splay length along the kerbline either side of the crossing shall be 500mm.
6. \* Refers to heavy duty vehicle crossings.



DETAIL: STD VEHICLE CROSSING  
WCC STANDARD DETAIL R-24-721



DETAIL: ASPHALT FOOTPATH PAVEMENT  
NTS



DETAIL: CONCRETE FOOTPATH PAVEMENT  
NTS

#### GENERAL NOTES: (KERBS AND FOOTPATH)

1. KERBS WITH VEHICULAR TRAFFIC SHALL BE CONSTRUCTED WITH 30 MPA CONCRETE.
2. KERBS TO HAVE MINIMUM 150 MM AP40 BASECOURSE TO EXTENT MINIMUM 200 MM BEHIND KERB FACE.
3. IF THE SUBGRADE STRENGTH UNDER KERBS OR FOOTPATH DOES NOT MEET THE SPECIFICATIONS PROVIDED IN THE WCC CODE OF PRACTICE FOR LAND DEVELOPMENT, THEN SUBGRADE IMPROVEMENT LAYERS SHALL BE USED.
4. GRANULAR SUB-GRADE IMPROVEMENT LAYERS CAN BE GAP40, GAP65 OR ANY APPROPRIATE MATERIAL WITH CBR > 5%, IMPROVEMENT LAYERS SHALL BE COMPACTED IN LAYERS WITH LAYERS THICKNESS BEING 2.5 TIMES THE NOMINAL SIZE OF AGGREGATE USED
5. ALL BUS STOPS SHALL BE CONSTRUCTED WITH WCC BUS STOP TYPE KERB AND CHANNEL

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
-	-
DESIGNED	DATE
-	-
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



CLIENT  
**Absolutely Positively**  
**Wellington City Council**  
Me Heke Ki Pōneke

PROJECT TITLE	
BROOKLYN HILL CYCLING IMPROVEMENTS	
SHEET TITLE	
STANDARD DETAILS SHEET 1 OF 6	

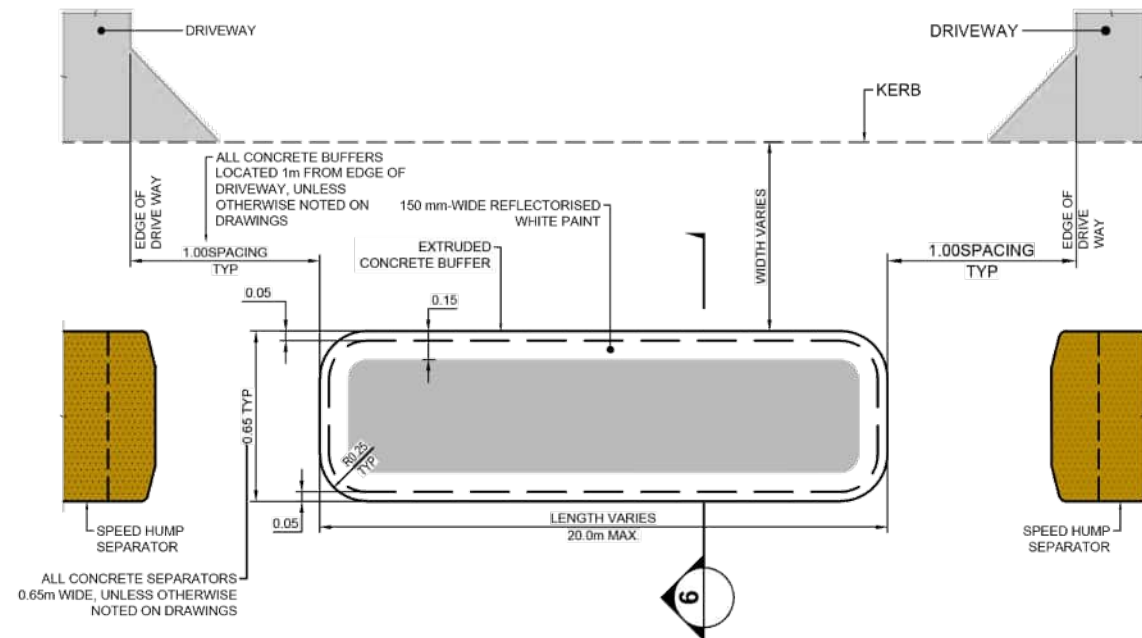
#### ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL)	SCALE AS NOTED	ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION
BIL-1003220	507	0



NOTE:

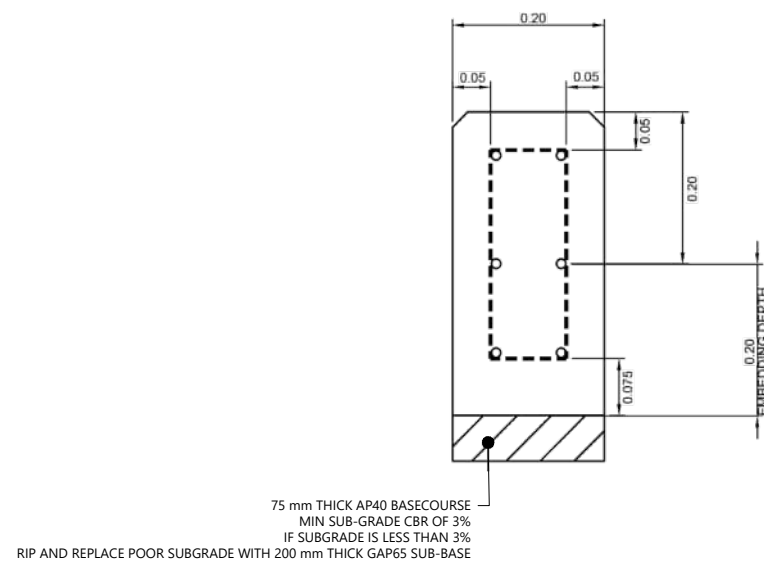
1. ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE.
2. ALL BUFFERS BE CONSTRUCTED AS EXTRUDED FIBRE REINFORCED CONCRETE BUFFERS IN ACCORDANCE WITH WCC COP STANDARDS FOR KERBS, SECTION C 2.4.



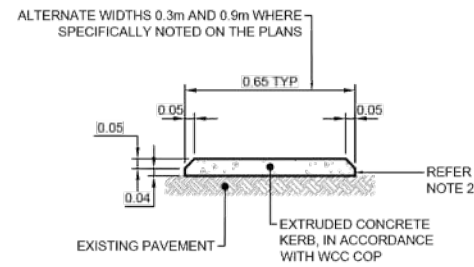
TYPICAL EXTRUDED CONCRETE BUFFER -PLAN

DETAIL SUPPLIED BY WCC  
NTS

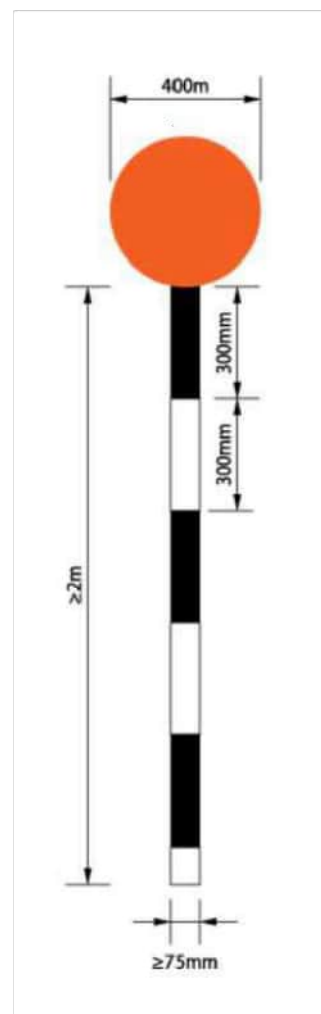
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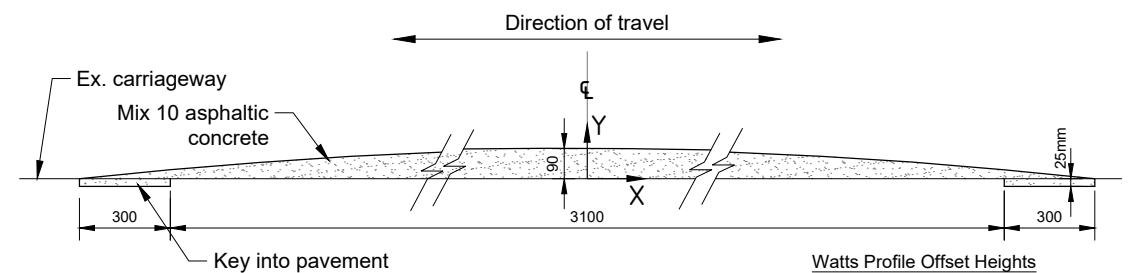
KERB STAND 7  
DETAIL SUPPLIED BY WCC  
NTS



EXTRUDED BUFFER SECTION 6



BELISHA BEACON 8  
NTS



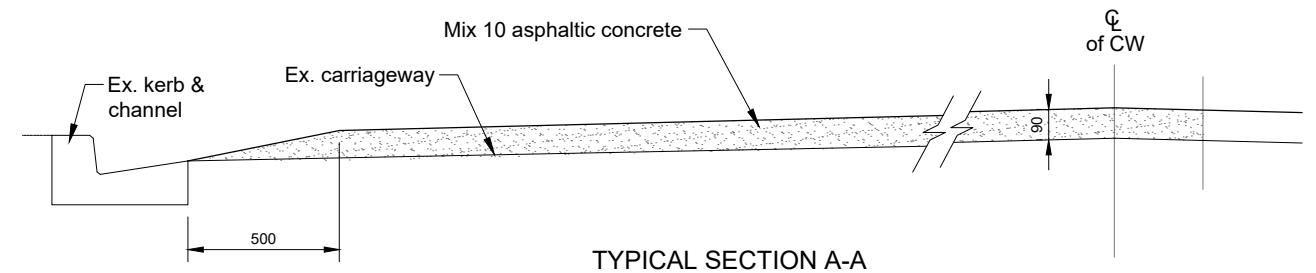
WATTS PROFILE HUMP  
Scale 1:20  
Taken from WCC standard detail R-45-702

### Watts Profile Offset Heights

X (m)	Y (mm)
0.0	90
0.1	90
0.2	89
0.3	87
0.4	85
0.5	83
0.6	80

X (m)	Y (mm)
0.7	76
0.8	71
0.9	66
1.0	61
1.1	55
1.2	48
1.3	41

X (m)	Y (mm)
1.4	33
1.5	24
1.6	14
1.7	5



## WATTS PROFILE SPEED HUMP

0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC
REV	AMENDMENTS	DES	DRN	CHK	APP
					DATE

<b>SURVEYED</b>	<b>DATE</b>
—	
<b>DESIGNED</b>	<b>DATE</b>
—	
<b>DRAWN</b>	<b>DATE</b>
A.VERMA	17.09.2025
<b>CHECKED</b>	<b>DATE</b>
S.CANHAM	17.09.2025
<b>APPROVED</b>	<b>DATE</b>
S.CANHAM	17.09.2025



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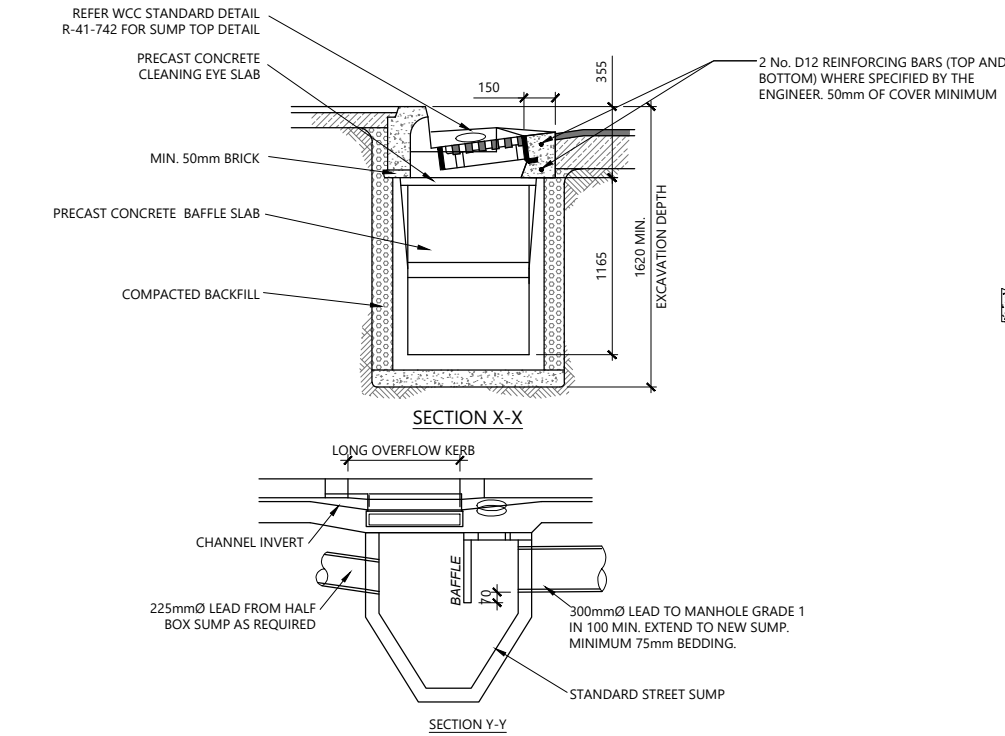
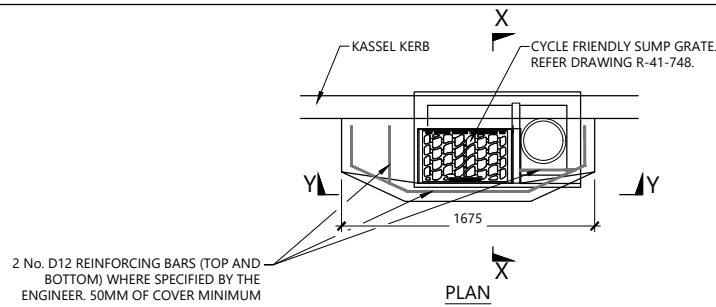
Me Heke Ki Pōneke

PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	STANDARD DETAILS SHEET 2 OF 6

**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL)	SCALE AS NOTED		ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION	
BIL-1003220	508	0	





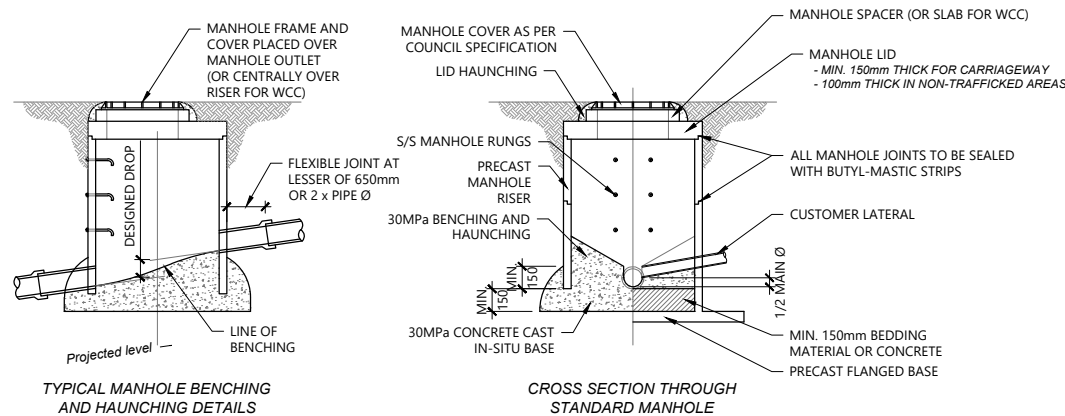
### SINGLE SUMP

(WCC STANDARD DETAIL R-41-740)  
SCALE 1:25 @A1, 1:50 @ A3

11

#### MANHOLE NOTES:

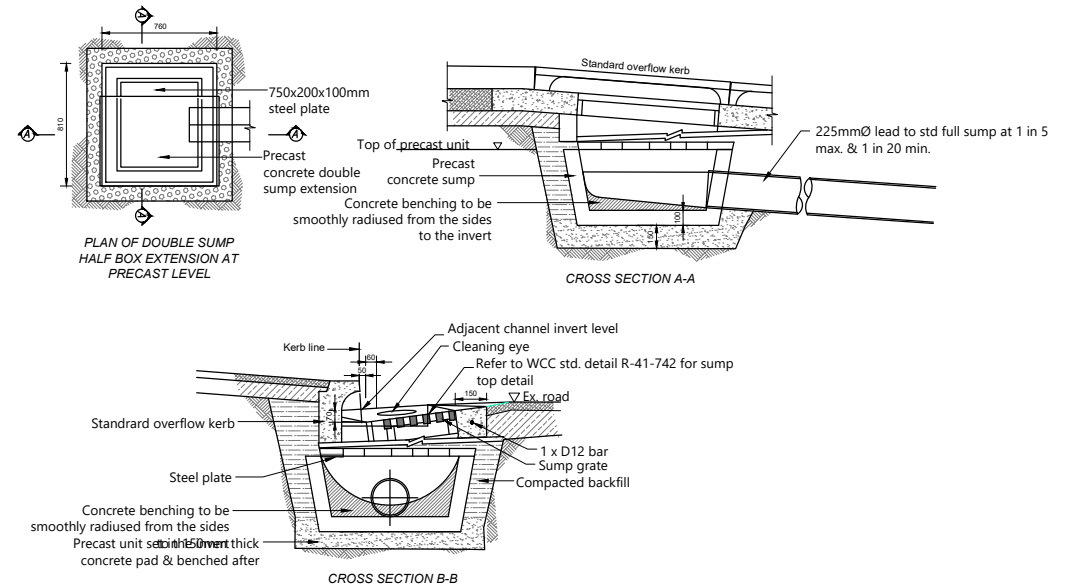
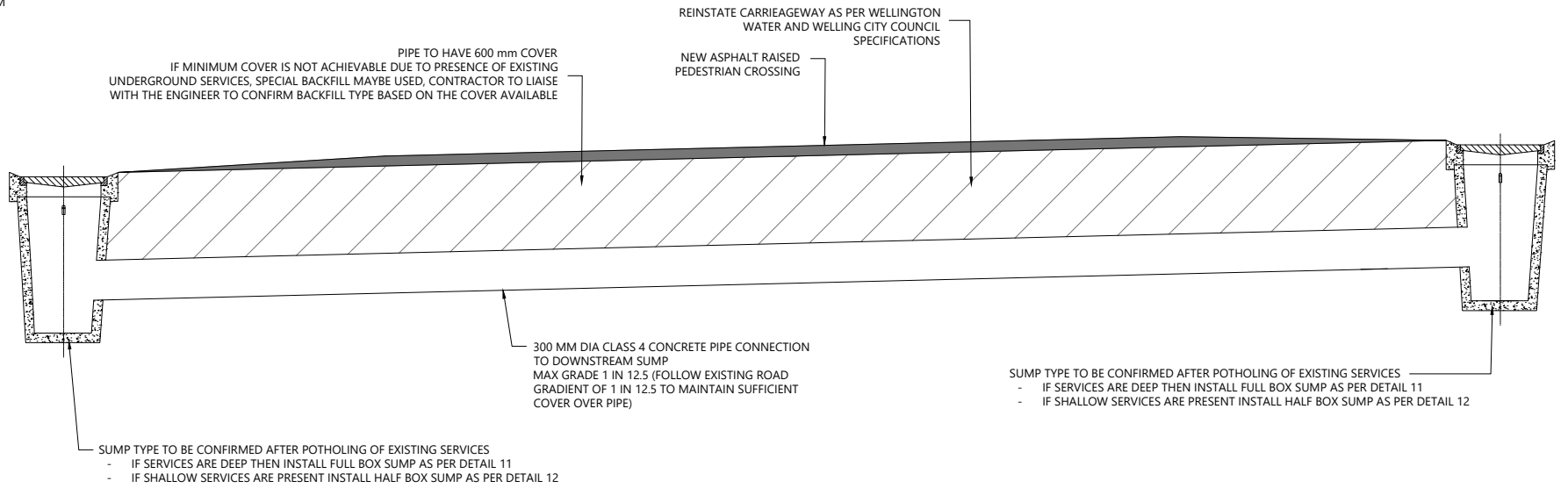
- MANHOLES AND BASES TO BE DESIGNED AGAINST FLOTATION WITH A SAFETY FACTOR OF 1.25 IN AREAS OF HIGH WATER TABLE OR LIQUEFACTION POTENTIAL.
- MANHOLE BENCHING AND BASE TO BE POURED TO A MINIMUM 150mm BELOW LOWEST PIPE INVERT. THIS INCLUDES MINIMUM DEPTH BETWEEN LOWEST PIPE INVERT AND PRECAST FLANGED BASE.
- OPENINGS IN WALL TO BE DRILLED.



### STANDARD MANHOLE

(WELLINGTON REGIONAL STANDARD FOR WATER SERVICES STANDARD DETAIL DR01)  
NTS

10



### HALF BOX EXTENSION

(WCC STANDARD DETAIL R-41-741)  
SCALE 1:25 @A1, 1:50 @ A3

12

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
-	-
DESIGNED	DATE
-	-
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



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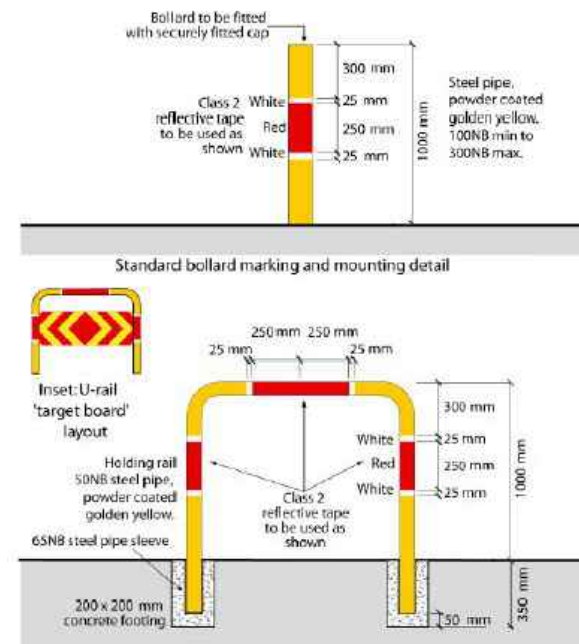
Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
STANDARD DETAILS SHEET 3 OF 6

### ISSUED FOR CONSTRUCTION

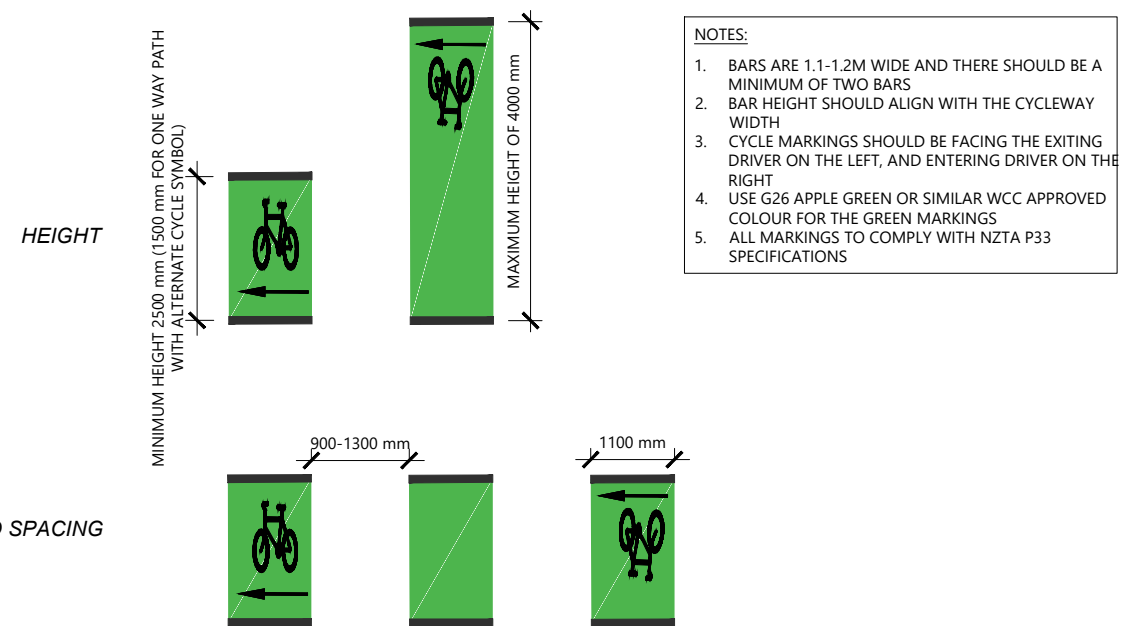
SCALE (A1 ORIGINAL)	SCALE AS NOTED	ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION
BIL-1003220	509	0



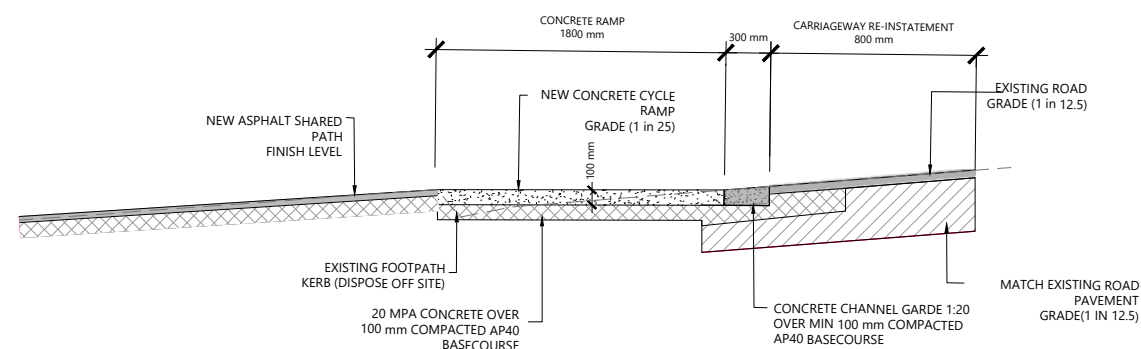


Details of a bollard and U-rail from [Austroads Part 6A](#), Figure 7.10.

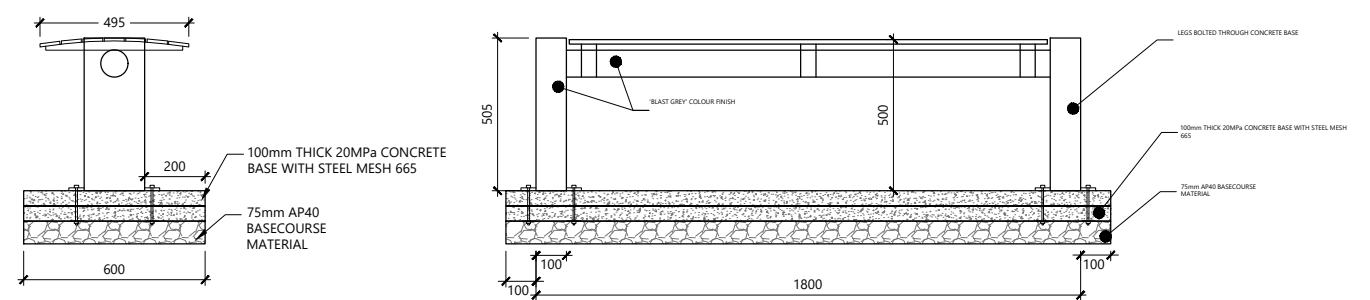
STANDARD U-RAIL (HOLD RAIL) 15  
NTS -



DETAIL : HIGH USE DRIVEWAY MARKING



TYP SECTION: RAMP ON STEEP GRADES 14  
SCALE 1: 25 (A1)



AE TILLEY HORIZONTAL BENCH 16  
NTS C309

0	ISSUED FOR CONSTRUCTION		AV	AV	SC	SC		17.09.2025	
REV	AMENDMENTS		DES	DRN	CHK	APP		DATE	

<b>SURVEYED</b>	<b>DATE</b>
–	
<b>DESIGNED</b>	<b>DATE</b>
–	
<b>DRAWN</b>	<b>DATE</b>
A.VERMA	17.09.2025
<b>CHECKED</b>	<b>DATE</b>
S.CANHAM	17.09.2025
<b>APPROVED</b>	<b>DATE</b>
S.CANHAM	17.09.2025



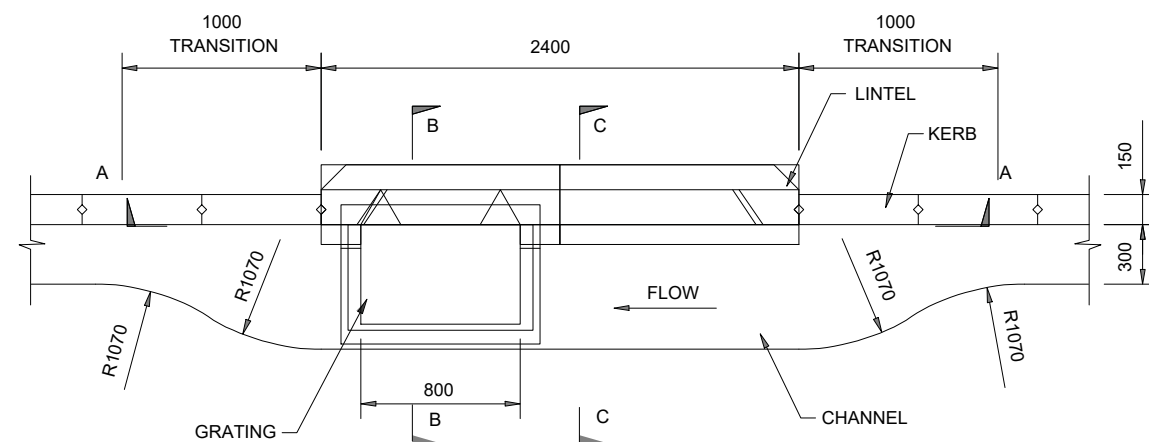
**Absolutely Positively  
Wellington City Council**  
Me Heke Ki Pōneke

PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	STANDARD DETAILS SHEET 4 OF 6

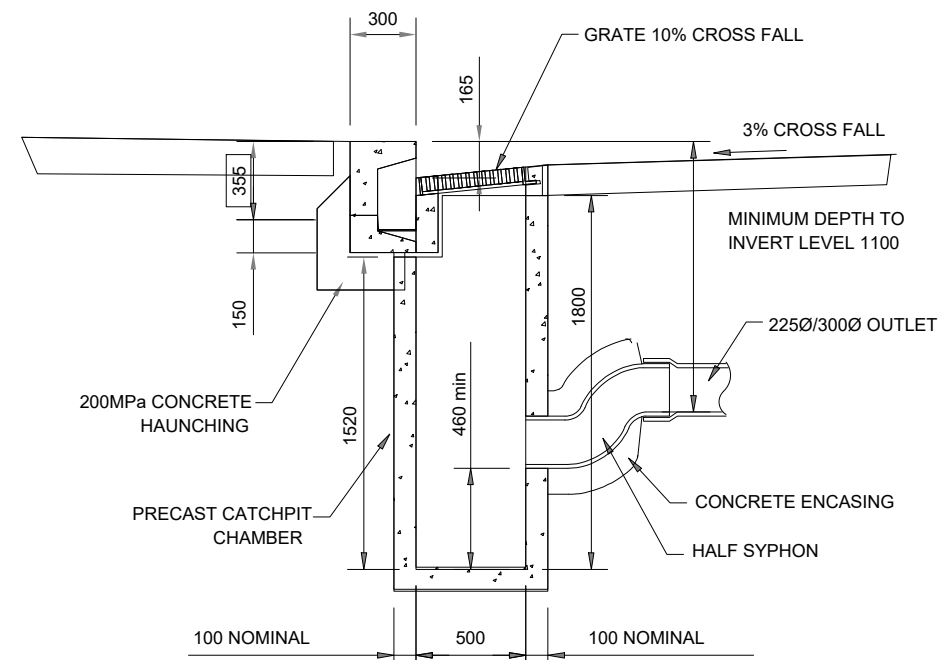
**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL)	SCALE AS NOTED	ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION
BIL-1003220	510	0

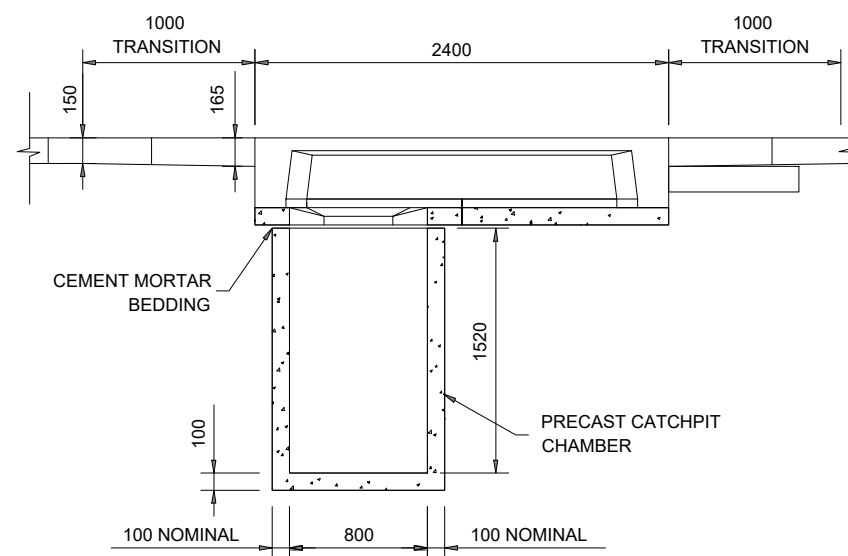




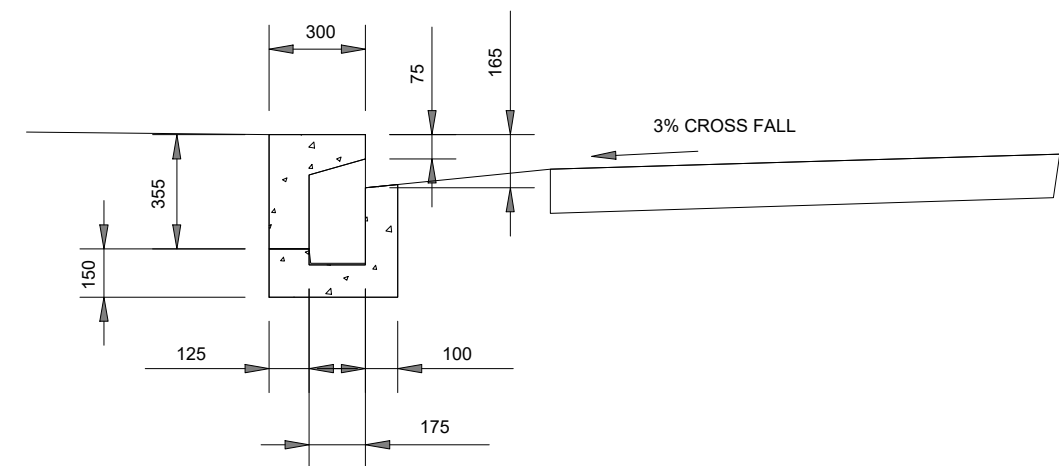
**PLAN**  
Scale: NTS



**Section B-B**  
Scale: NTS



**SECTION A - A**  
Scale: NTS



**Section C-C**  
Scale: NTS

0	ISSUED FOR CONSTRUCTION		AV	AV	SC	SC		17.09.2025	
REV	AMENDMENTS		DES	DRN	CHK	APP		DATE	

<b>SURVEYED</b>	<b>DATE</b>
—	
<b>DESIGNED</b>	<b>DATE</b>
—	
<b>DRAWN</b>	<b>DATE</b>
A.VERMA	17.09.2025
<b>CHECKED</b>	<b>DATE</b>
S.CANHAM	17.09.2025
<b>APPROVED</b>	<b>DATE</b>
S.CANHAM	17.09.2025



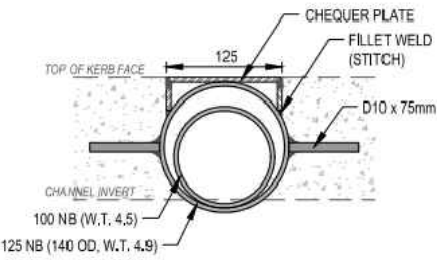
**Absolutely Positively  
Wellington City Council**  
Me Heke Ki Pōneke

PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	STANDARD DETAILS SHEET 5 OF 6

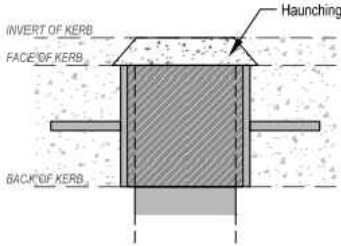
**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL)	SCALE AS NOTED		ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION	
BIL-1003220	511	0	

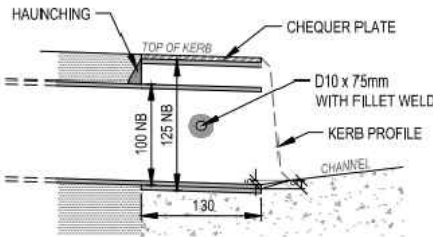




FRONT ELEVATION



PLAN VIEW



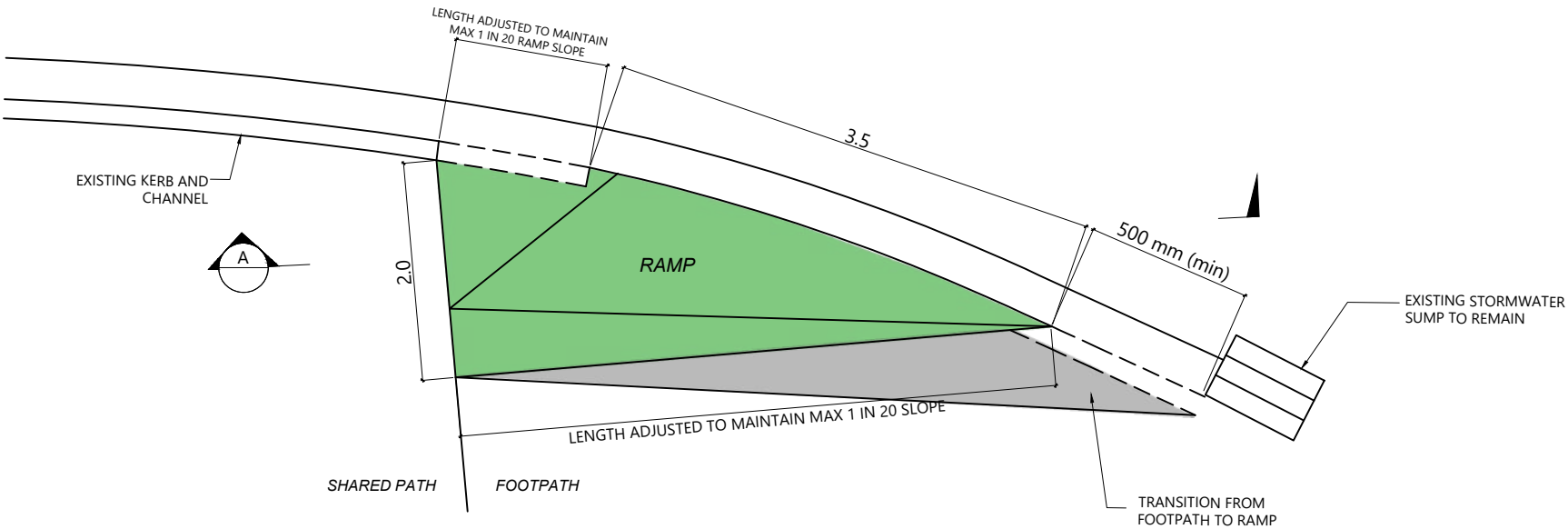
SECTION

- NOTES:
1. CONCRETE TO BE 20MPa.
  2. TO BE USED ONLY WHERE POSSIBILITY OF FLOODING OF PIPE WILL NOT CAUSE SUBSEQUENT PROPERTY DAMAGE.

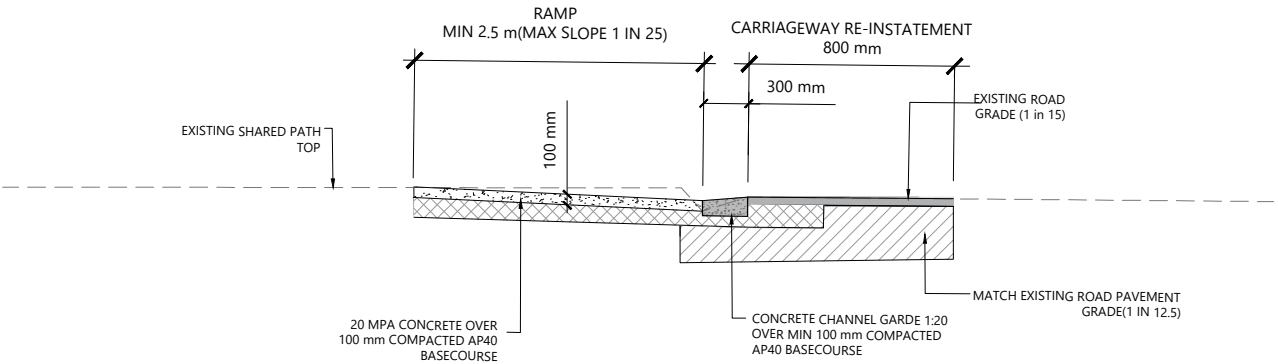
DETAIL : KERB OUTLET

SUPPLIED BY WCC  
NTS

19



PLAN (NTS)



CROSS SECTION A-A (NTS)

DETAIL : CYCLE RAMP UPHILL

NTS

20

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
DESIGNED	DATE
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



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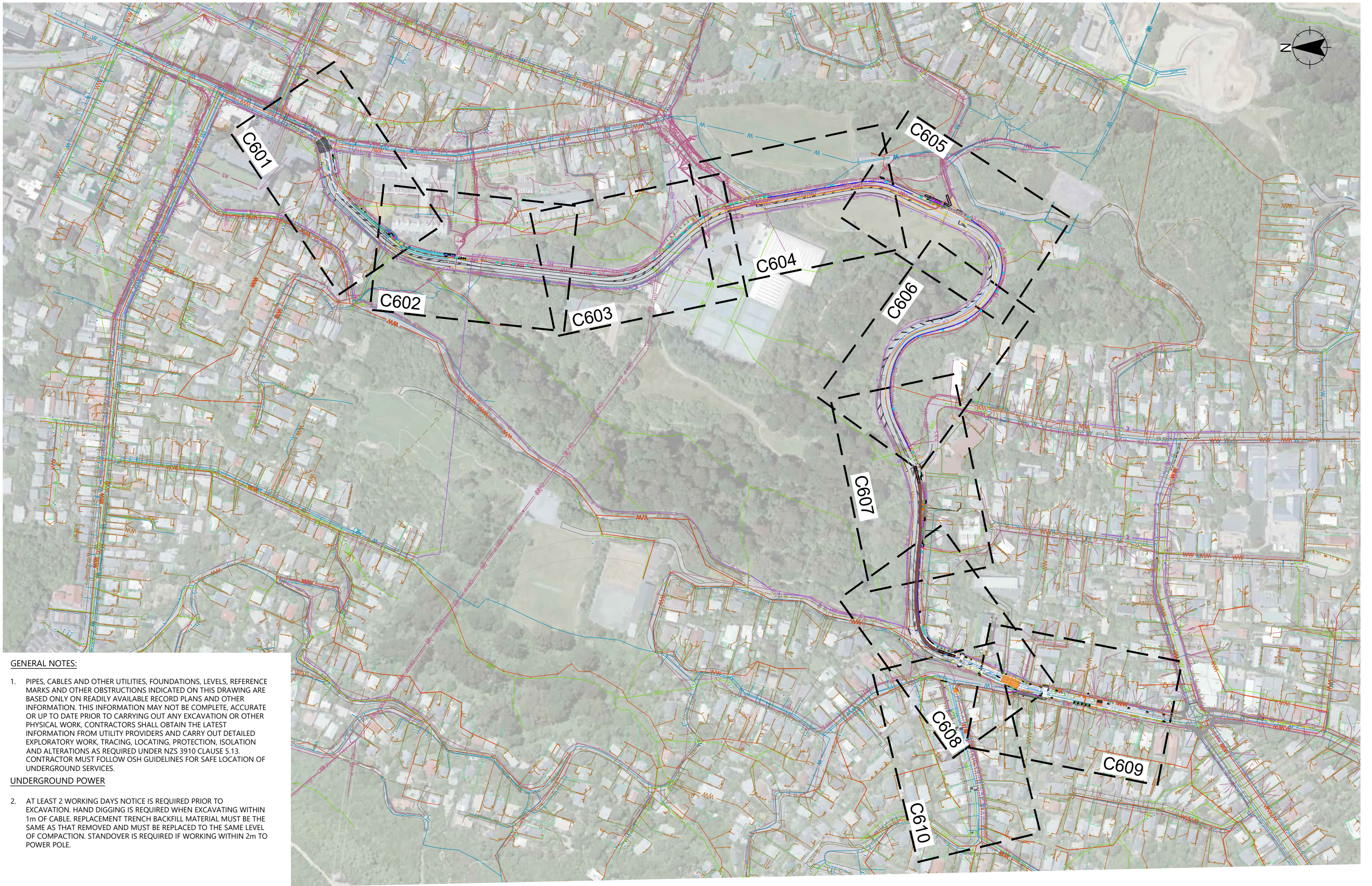
Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
STANDARD DETAILS SHEET 6 OF 6

ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL)	SCALE AS NOTED	ALWAYS CHECK SCALE
PROJECT No.	SHEET	REVISION
BIL-1003220	512	0





**GENERAL NOTES:**

1. PIPES, CABLES AND OTHER UTILITIES, FOUNDATIONS, LEVELS, REFERENCE MARKS AND OTHER OBSTRUCTIONS INDICATED ON THIS DRAWING ARE BASED ONLY ON READILY AVAILABLE RECORD PLANS AND OTHER INFORMATION. THIS INFORMATION MAY NOT BE COMPLETE, ACCURATE OR UP TO DATE PRIOR TO CARRYING OUT ANY EXCAVATION OR OTHER PHYSICAL WORK. CONTRACTORS SHALL OBTAIN THE LATEST INFORMATION FROM UTILITY PROVIDERS AND CARRY OUT DETAILED EXPLORATORY WORK, TRACING, LOCATING, PROTECTION, ISOLATION AND ALTERATIONS AS REQUIRED UNDER NZS 3910 CLAUSE 5.13. CONTRACTOR MUST FOLLOW OSH GUIDELINES FOR SAFE LOCATION OF UNDERGROUND SERVICES.

**UNDERGROUND POWER**

2. AT LEAST 2 WORKING DAYS NOTICE IS REQUIRED PRIOR TO EXCAVATION. HAND DIGGING IS REQUIRED WHEN EXCAVATING WITHIN 1m OF CABLE. REPLACEMENT TRENCH BACKFILL MATERIAL MUST BE THE SAME AS THAT REMOVED AND MUST BE REPLACED TO THE SAME LEVEL OF COMPACTION. STANDOVER IS REQUIRED IF WORKING WITHIN 2m TO POWER POLE.

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



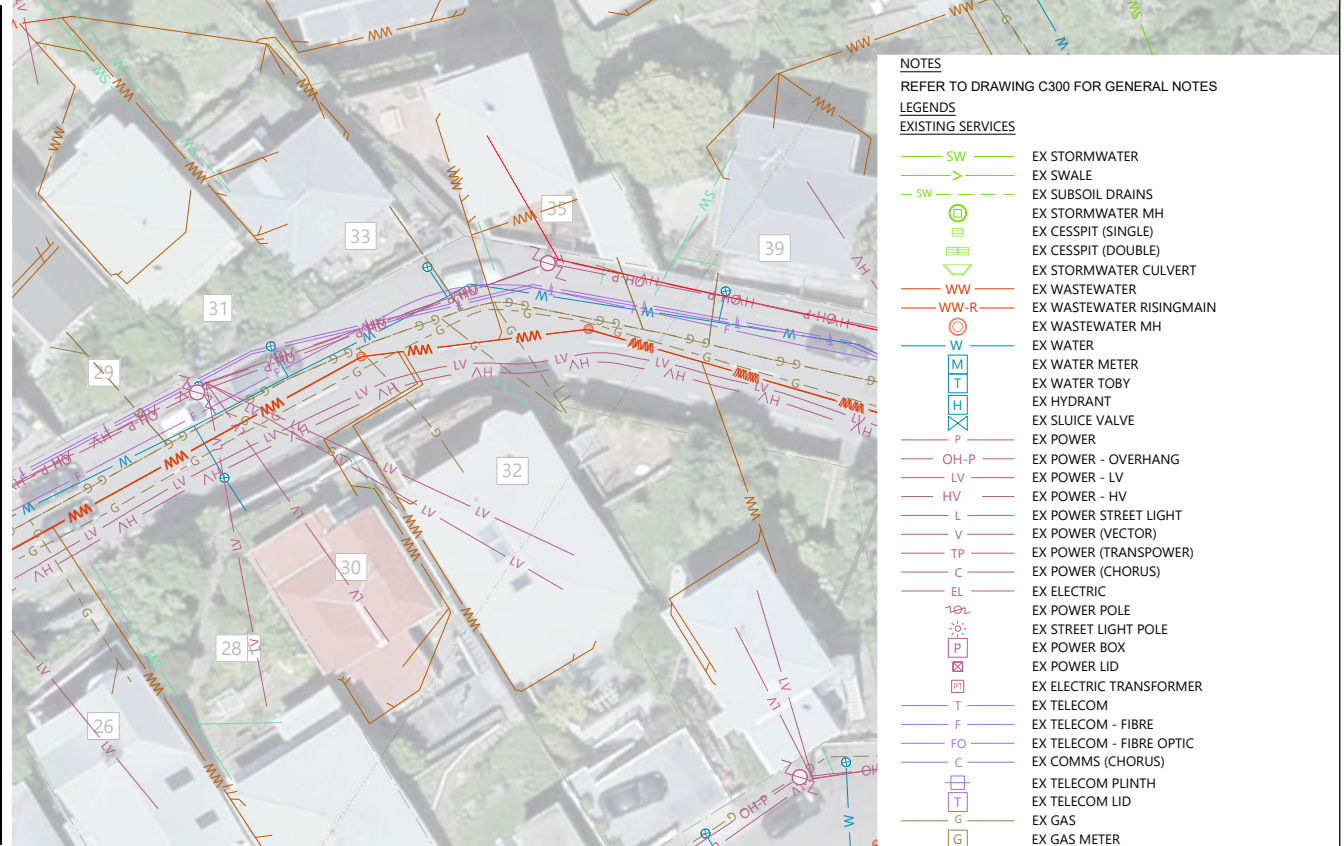
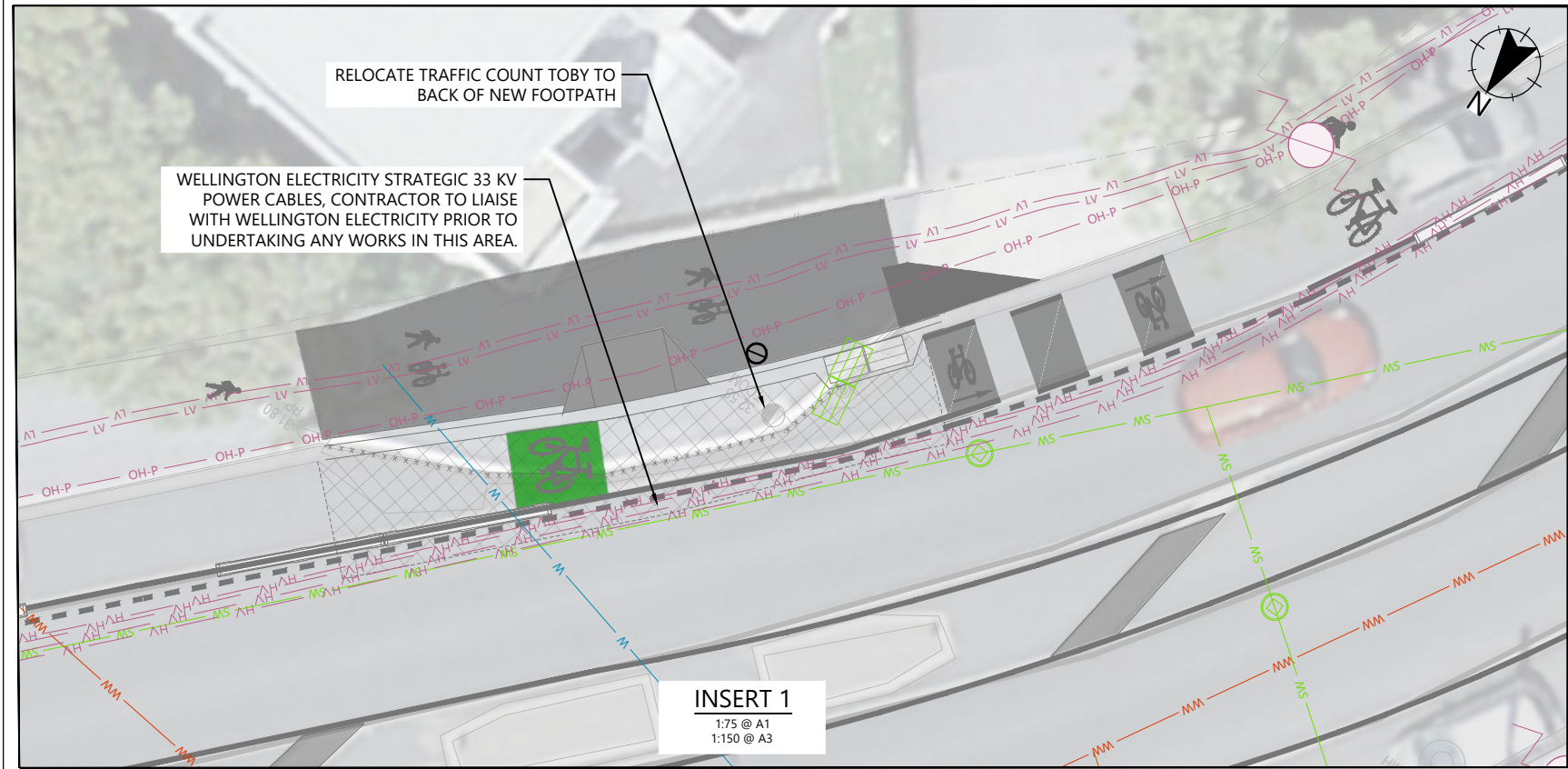
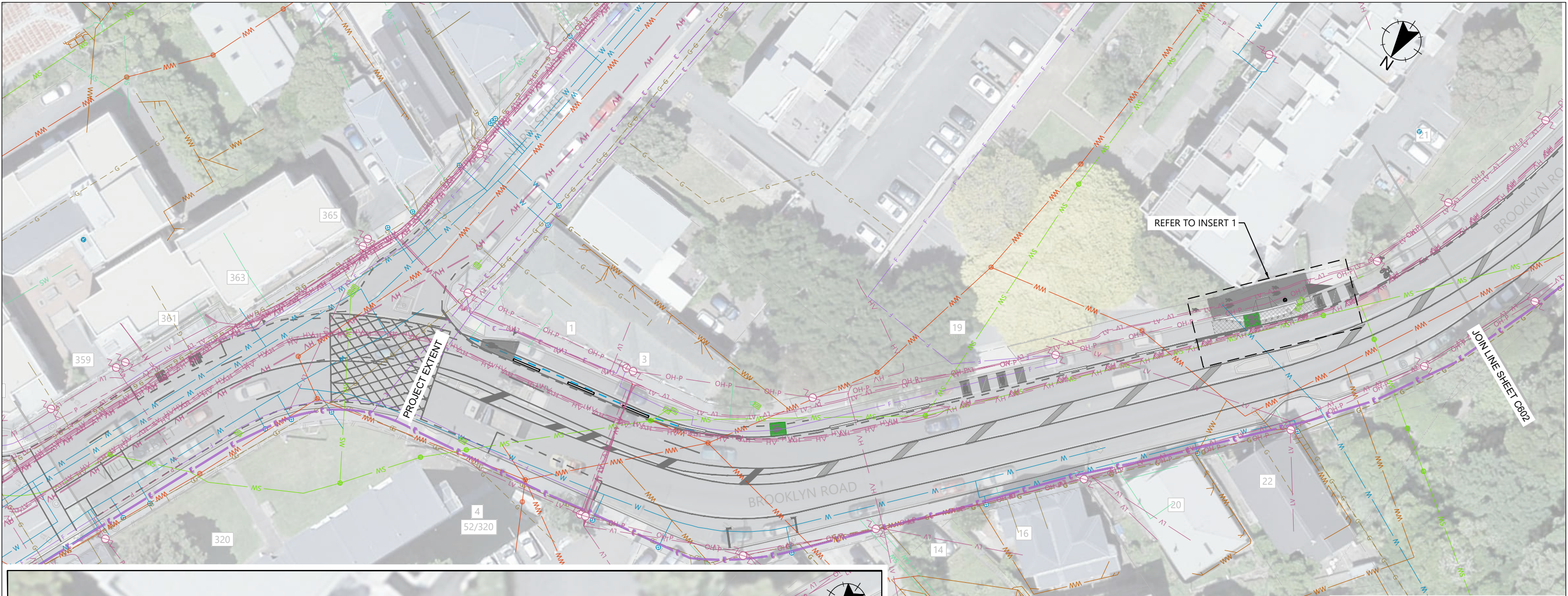
**CLIENT**  
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**Wellington City Council**  
Me Heke Ki Pōneke

PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
OVERALL EXISTING SERVICES PLAN

**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL)	1:1750	(A3) 1:3500
PROJECT No.	SHEET	REVISION
BIL-1003220	600	0





REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025

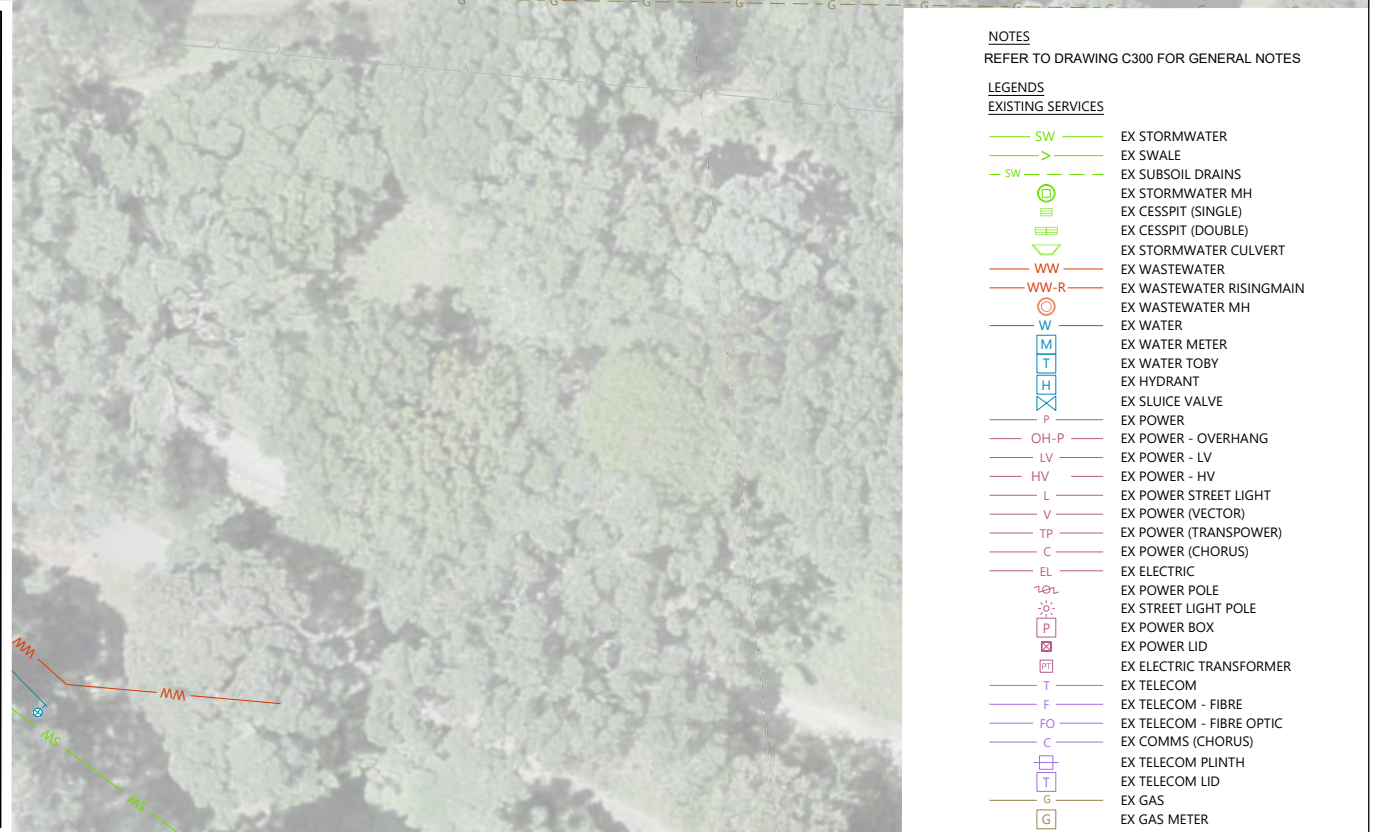
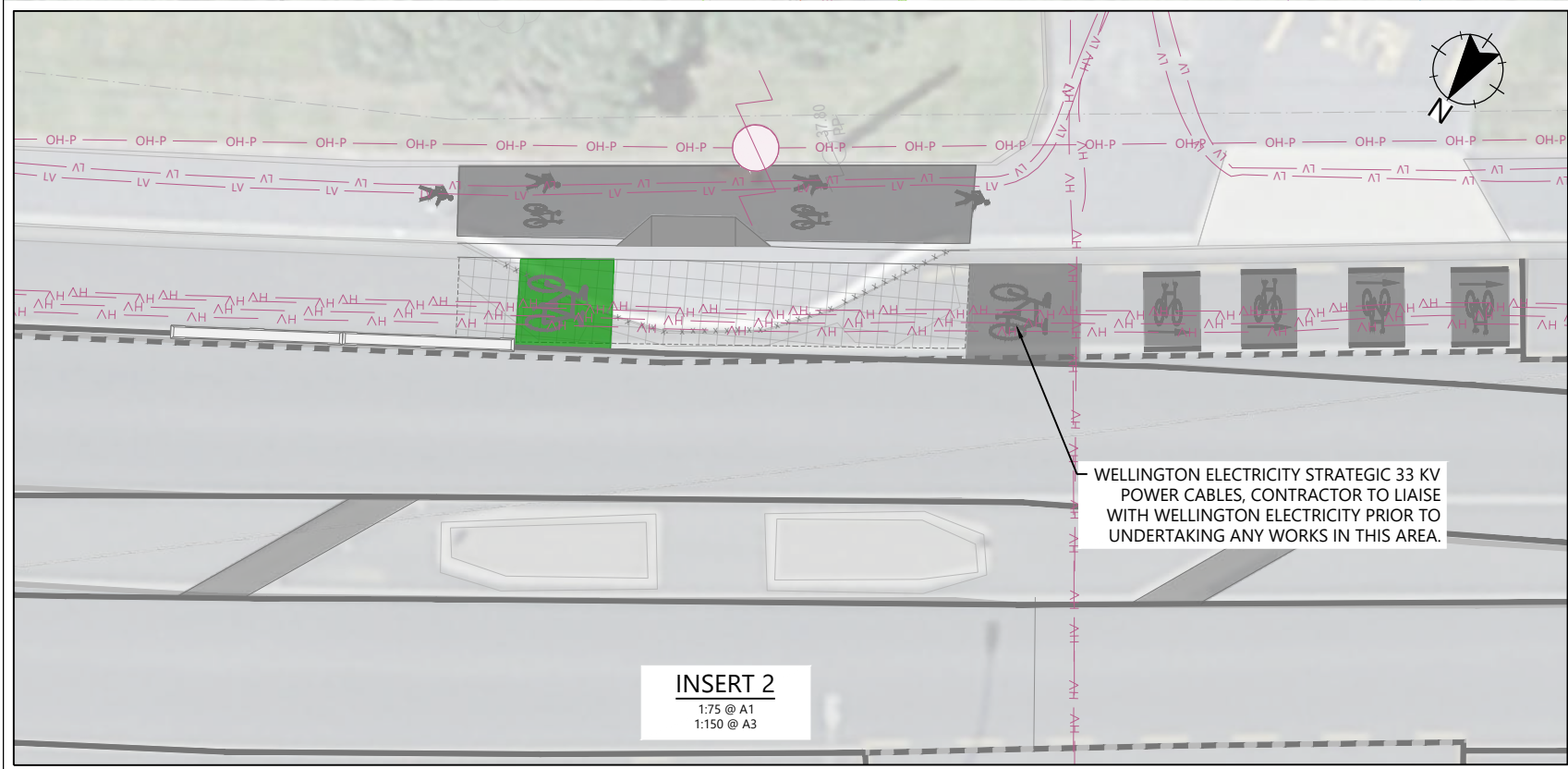
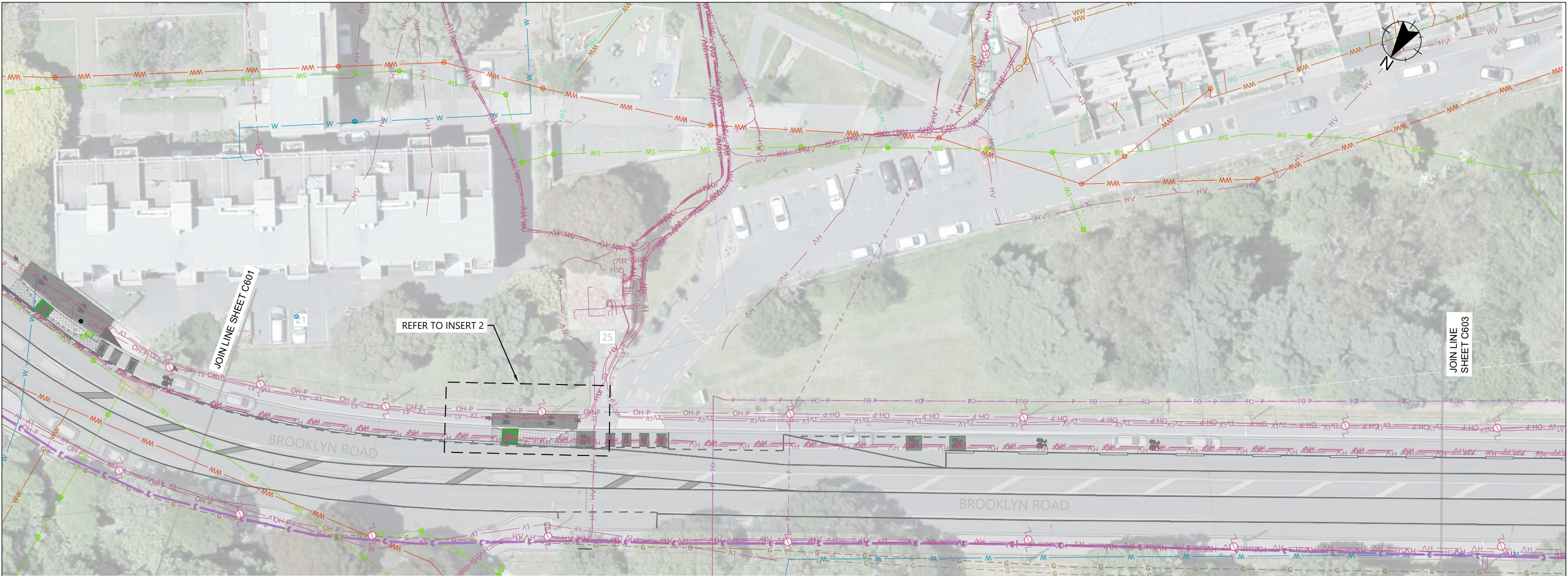


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PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	EXISTING SERVICES SHEET 1 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	601	0





REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025

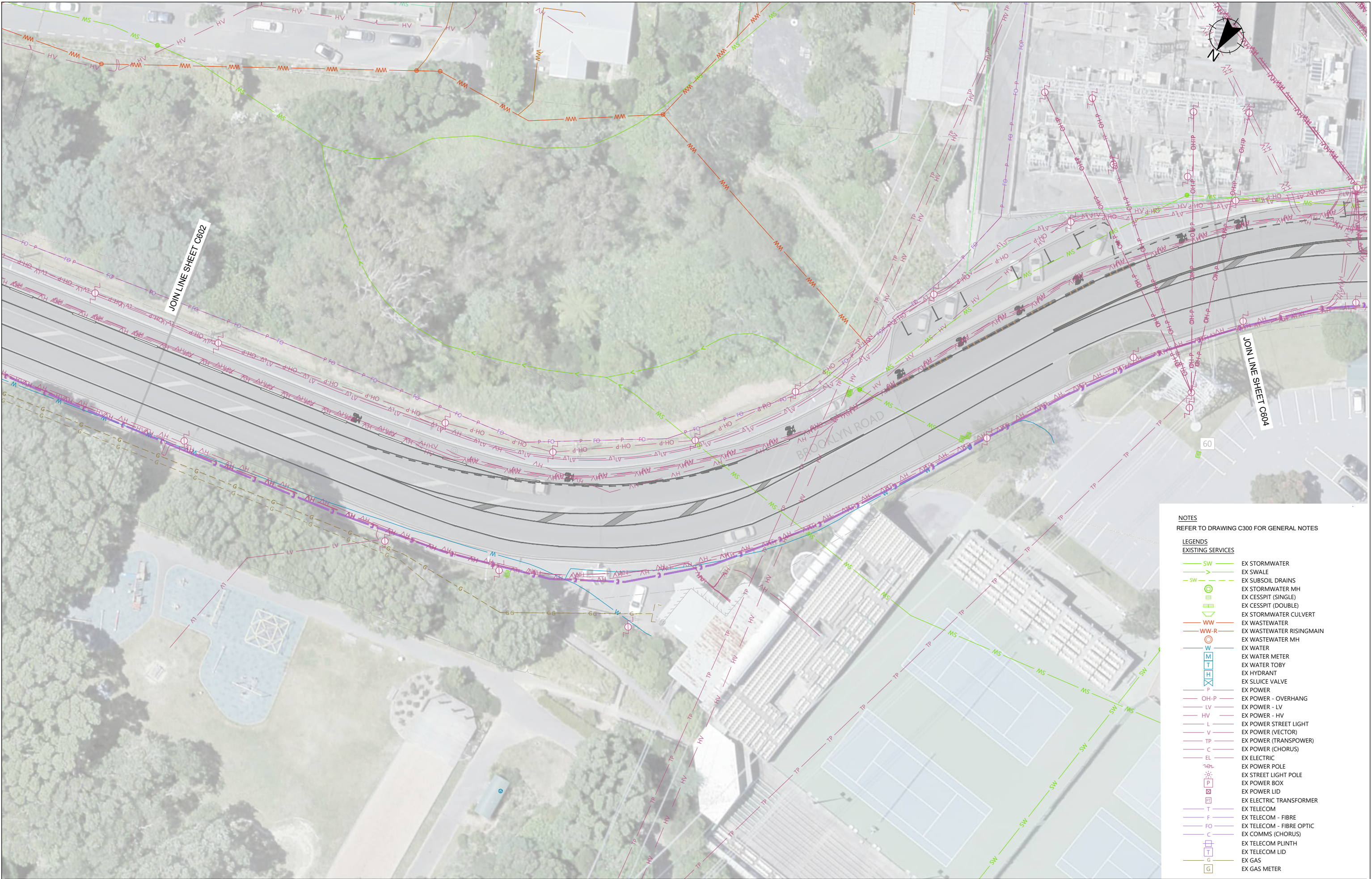


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PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
EXISTING SERVICES SHEET 2 OF 10

ISSUED FOR CONSTRUCTION		
SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	602	0





NOTES  
REFER TO DRAWING C300 FOR GENERAL NOTES

LEGENDS  
EXISTING SERVICES

- SW EX STORMWATER
- SW EX SWALE
- SW EX SUBSOIL DRAINS
- SW EX STORMWATER MH
- SW EX CESSPIT (SINGLE)
- SW EX CESSPIT (DOUBLE)
- SW EX STORMWATER CULVERT
- WW EX WASTEWATER
- WW-R EX WASTEWATER RISINGMAIN
- WW EX WASTEWATER MH
- W EX WATER
- W EX WATER METER
- W EX WATER TOBY
- W EX HYDRANT
- W EX SLUICE VALVE
- P EX POWER
- OH-P EX POWER - OVERHANG
- LV EX POWER - LV
- HV EX POWER - HV
- L EX POWER STREET LIGHT
- V EX POWER (VECTOR)
- TP EX POWER (TRANSPower)
- C EX POWER (CHORUS)
- EL EX ELECTRIC
- EL EX POWER POLE
- EL EX STREET LIGHT POLE
- EL EX POWER BOX
- EL EX POWER LID
- EL EX ELECTRIC TRANSFORMER
- T EX TELECOM
- F EX TELECOM - FIBRE
- FO EX TELECOM - FIBRE OPTIC
- C EX COMMS (CHORUS)
- C EX TELECOM PLINTH
- T EX TELECOM LID
- G EX GAS
- G EX GAS METER

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

SURVEYED	DATE
JACOBS	01.11.2023
DESIGNED	DATE
A.VERMA	17.09.2025
DRAWN	DATE
A.VERMA	17.09.2025
CHECKED	DATE
S.CANHAM	17.09.2025
APPROVED	DATE
S.CANHAM	17.09.2025



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PROJECT TITLE
BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE
EXISTING SERVICES SHEET 3 OF 10

ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	603	0





NOTES  
REFER TO DRAWING C300 FOR GENERAL NOTES

- LEGENDS  
EXISTING SERVICES
- SW EX STORMWATER
  - SW EX SWALE
  - SW EX SUBSOIL DRAINS
  - SW EX STORMWATER MH
  - SW EX CESSPIT (SINGLE)
  - SW EX CESSPIT (DOUBLE)
  - SW EX STORMWATER CULVERT
  - WW EX WASTEWATER
  - WW-R EX WASTEWATER RISINGMAIN
  - WW-R EX WASTEWATER MH
  - W EX WATER
  - W EX WATER METER
  - W EX WATER TOBY
  - W EX HYDRANT
  - W EX SLUICE VALVE
  - P EX POWER
  - OH-P EX POWER - OVERHANG
  - LV EX POWER - LV
  - HV EX POWER - HV
  - L EX POWER STREET LIGHT
  - V EX POWER (VECTOR)
  - TP EX POWER (TRANSPower)
  - C EX POWER (CHORUS)
  - EL EX ELECTRIC
  - EL EX POWER POLE
  - EL EX STREET LIGHT POLE
  - EL EX POWER BOX
  - EL EX POWER LID
  - EL EX ELECTRIC TRANSFORMER
  - T EX TELECOM
  - F EX TELECOM - FIBRE
  - FO EX TELECOM - FIBRE OPTIC
  - C EX COMMS (CHORUS)
  - T EX TELECOM PLINTH
  - T EX TELECOM LID
  - G EX GAS
  - G EX GAS METER

0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC
17.09.2025					
REV	AMENDMENTS	DES	DRN	CHK	APP
DATE					

SURVEYED	JACOBS	DATE	01.11.2023
DESIGNED	A.VERMA	DATE	17.09.2025
DRAWN	A.VERMA	DATE	17.09.2025
CHECKED	S.CANHAM	DATE	17.09.2025
APPROVED	S.CANHAM	DATE	17.09.2025



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Wellington City Council**  
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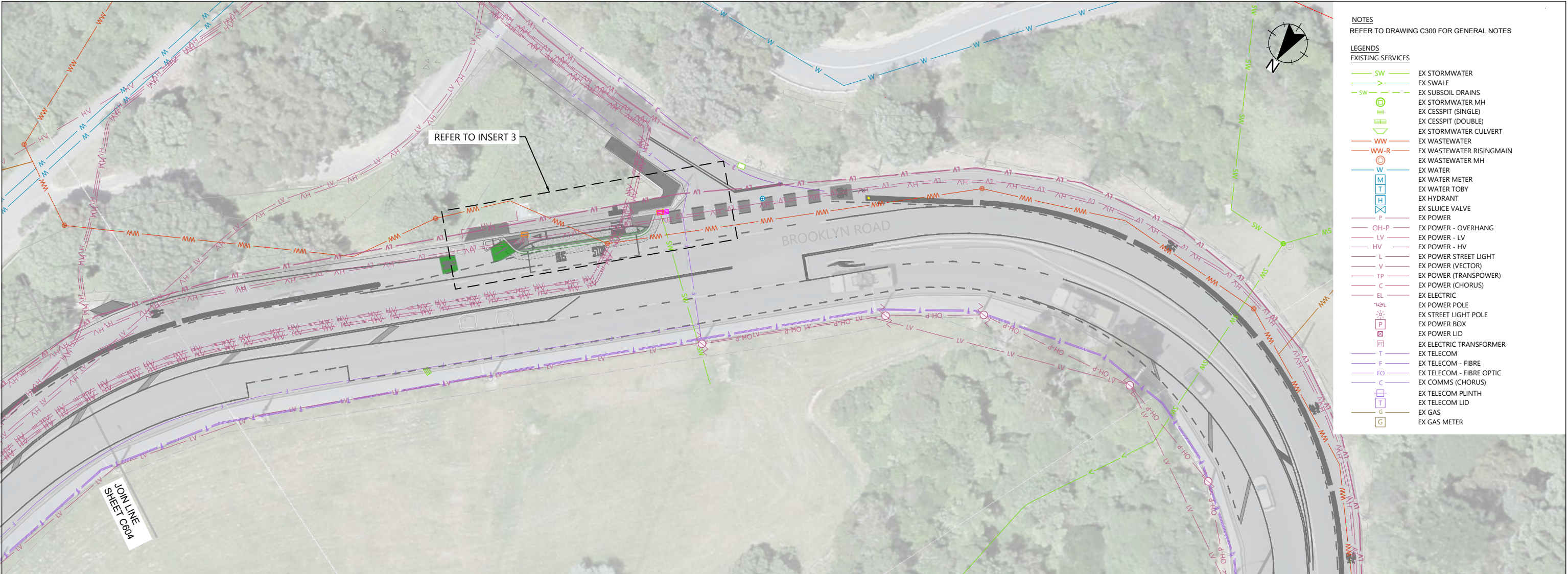
PROJECT TITLE	BROOKLYN HILL CYCLING IMPROVEMENTS
SHEET TITLE	EXISTING SERVICES SHEET 4 OF 10

ISSUED FOR CONSTRUCTION

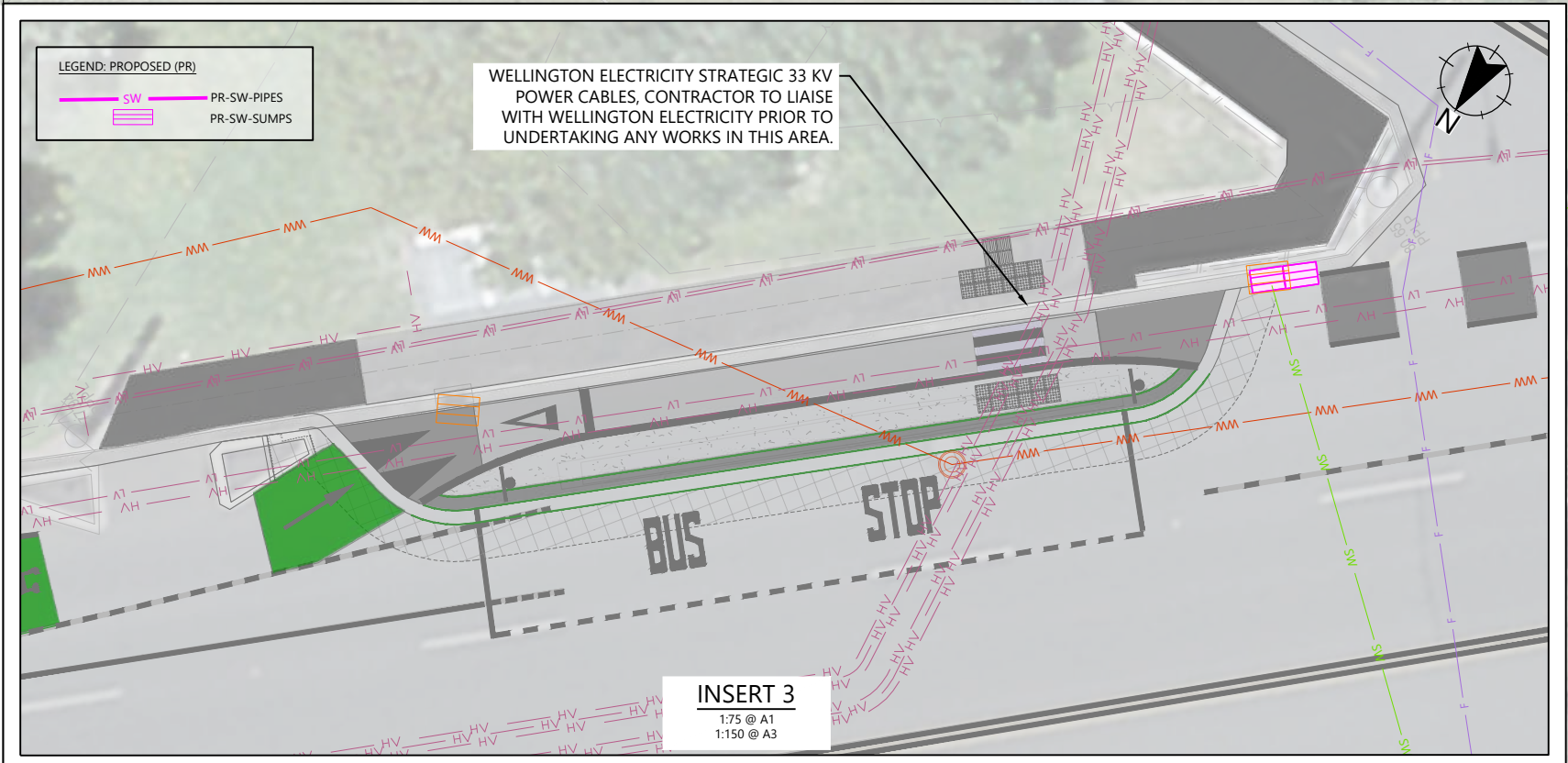
SCALE (A1 ORIGINAL) 1:250 (A3) 1:500

PROJECT No.	SHEET	REVISION
BIL-1003220	604	0





- NOTES  
REFER TO DRAWING C300 FOR GENERAL NOTES
- LEGENDS  
EXISTING SERVICES
- SW EX STORMWATER
  - SW EX SWALE
  - SW EX SUBSOIL DRAINS
  - SW EX STORMWATER MH
  - SW EX CESSPIT (SINGLE)
  - SW EX CESSPIT (DOUBLE)
  - SW EX STORMWATER CULVERT
  - WW EX WASTEWATER
  - WW-R EX WASTEWATER RISINGMAIN
  - WW-R EX WASTEWATER MH
  - W EX WATER
  - W EX WATER METER
  - W EX WATER TOBY
  - W EX HYDRANT
  - W EX SLUICE VALVE
  - W EX POWER
  - OH-P EX POWER - OVERHANG
  - LV EX POWER - LV
  - HV EX POWER - HV
  - L EX POWER STREET LIGHT
  - V EX POWER (VECTOR)
  - TP EX POWER (TRANSPower)
  - C EX POWER (CHORUS)
  - EL EX ELECTRIC
  - EX POWER POLE
  - EX STREET LIGHT POLE
  - EX POWER BOX
  - EX POWER LID
  - EX ELECTRIC TRANSFORMER
  - T EX TELECOM
  - F EX TELECOM - FIBRE
  - FO EX TELECOM - FIBRE OPTIC
  - C EX COMMS (CHORUS)
  - EX TELECOM PLINTH
  - EX TELECOM LID
  - G EX GAS
  - G EX GAS METER



<b>ISSUED FOR CONSTRUCTION</b>					
SCALE (A1 ORIGINAL) 1:250 (A3) 1:500					
PROJECT No. BIL-1003220		SHEET 605		REVISION 0	

PROJECT TITLE BROOKLYN HILL CYCLING IMPROVEMENTS	
SHEET TITLE EXISTING SERVICES SHEET 5 OF 10	

CLIENT Absolutely Positively Wellington City Council Me Heke Ki Pōneke	
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SURVEYED JACOBS 01.11.2023	
DESIGNED A.VERMA 17.09.2025	
DRAWN A.VERMA 17.09.2025	
CHECKED S.CANHAM 17.09.2025	
APPROVED S.CANHAM 17.09.2025	

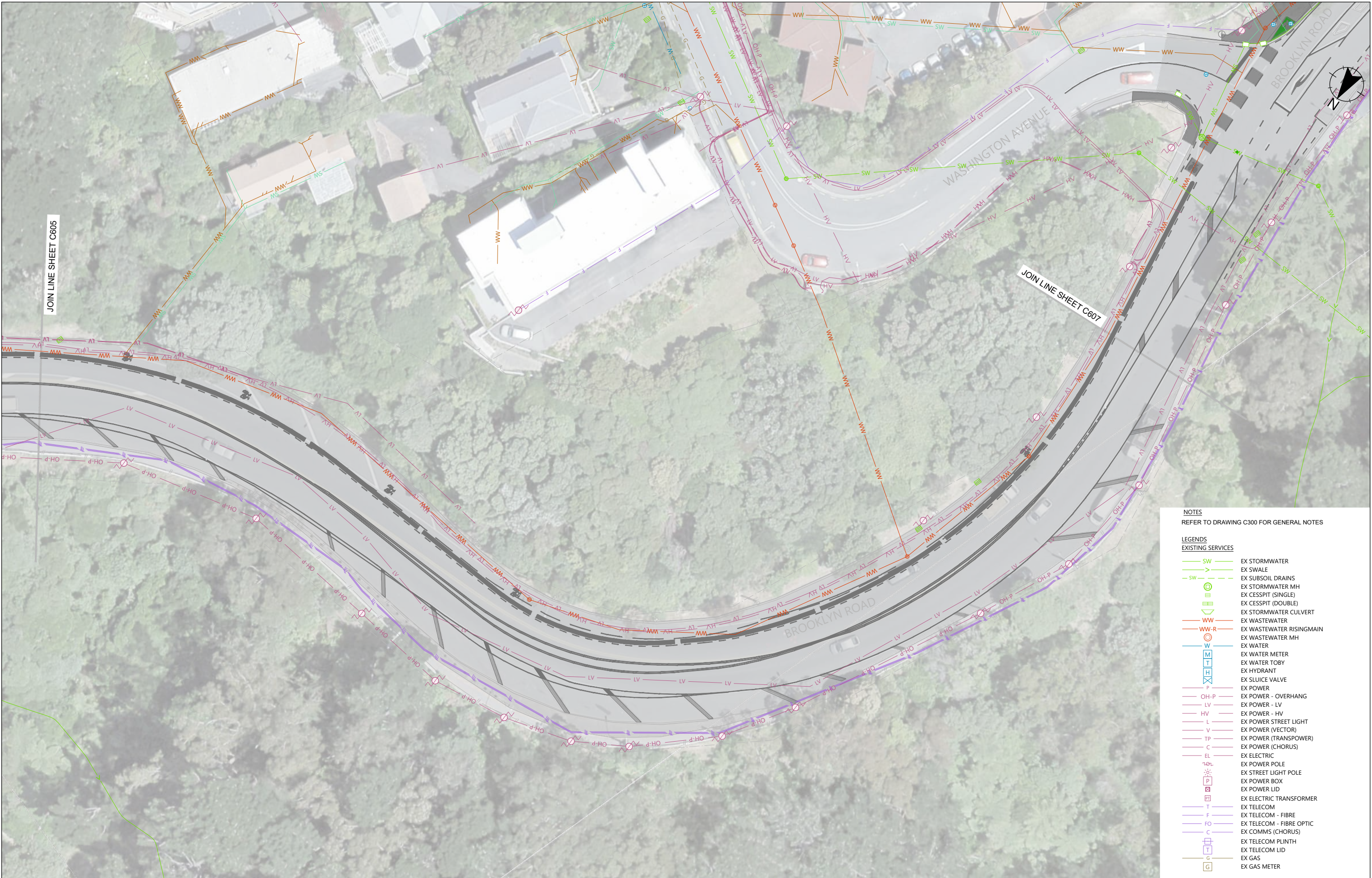
DES	DRN	CHK	APP	DATE
AV	AV	SC	SC	17.09.2025

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0 ISSUED FOR CONSTRUCTION

REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025





**NOTES**  
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**EXISTING SERVICES**

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- > EX SWALE
- SW EX SUBSOIL DRAINS
- ⊕ EX STORMWATER MH
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- W EX WATER
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0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC
17.09.2025					
REV	AMENDMENTS	DES	DRN	CHK	APP

SURVEYED	JACOBS	DATE	01.11.2023
DESIGNED	A.VERMA	DATE	17.09.2025
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Wellington City Council

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PROJECT TITLE

BROOKLYN HILL  
CYCLING IMPROVEMENTS

SHEET TITLE

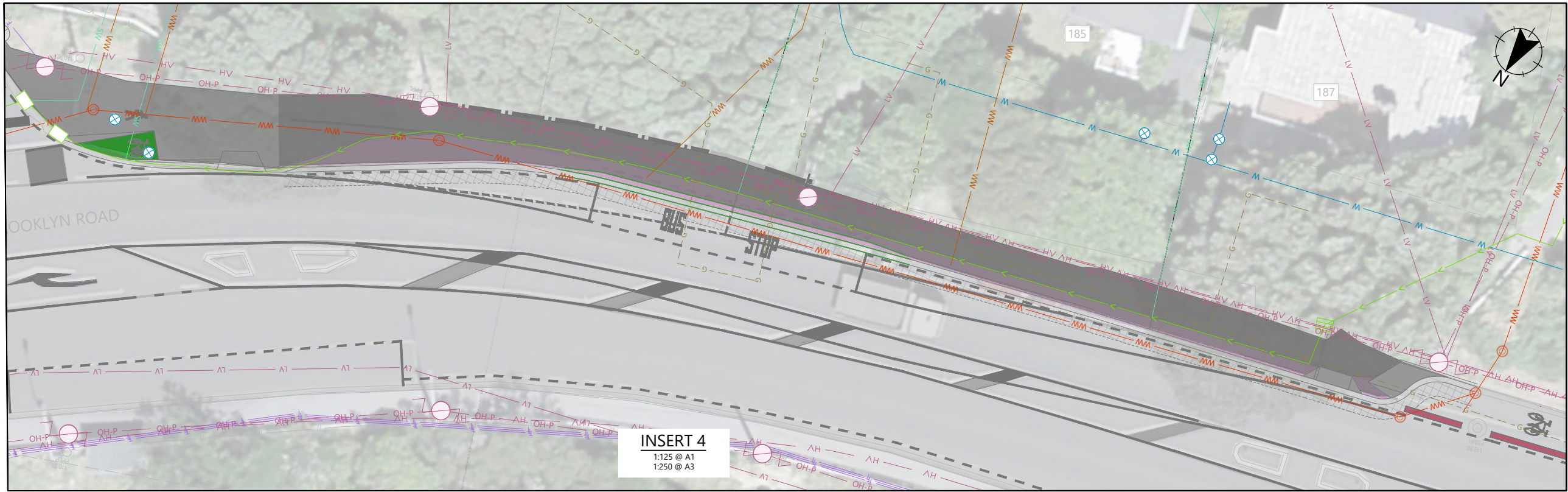
EXISTING SERVICES  
SHEET 6 OF 10

ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL) 1:250 (A3) 1:500

PROJECT No. BIL-1003220 SHEET 606 REVISION 0





NOTES  
REFER TO DRAWING C300 FOR GENERAL NOTES

LEGENDS  
EXISTING SERVICES

SW

EX STORMWATER

SW

EX SWALE

SW

EX SUBSOIL DRAINS

SW

EX STORMWATER MH

SW

EX CESSPIT (SINGLE)

SW

EX CESSPIT (DOUBLE)

SW

EX STORMWATER CULVERT

WW

EX WASTEWATER

WW-R

EX WASTEWATER RISINGMAIN

WW

EX WASTEWATER MH

W

EX WATER

W

EX WATER METER

W

EX WATER TOBY

W

EX HYDRANT

W

EX SLUICE VALVE

P

EX POWER

OH-P

EX POWER - OVERHANG

LV

EX POWER - LV

HV

EX POWER - HV

L

EX POWER STREET LIGHT

V

EX POWER (VECTOR)

T

EX POWER (TRANSPower)

C

EX POWER (CHORUS)

EL

EX ELECTRIC

EL

EX POWER POLE

EL

EX STREET LIGHT POLE

P

EX POWER BOX

P

EX POWER LID

PT

EX ELECTRIC TRANSFORMER

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EX TELECOM

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FO

EX TELECOM - FIBRE OPTIC

C

EX COMMS (CHORUS)

C

EX TELECOM PLINTH

C

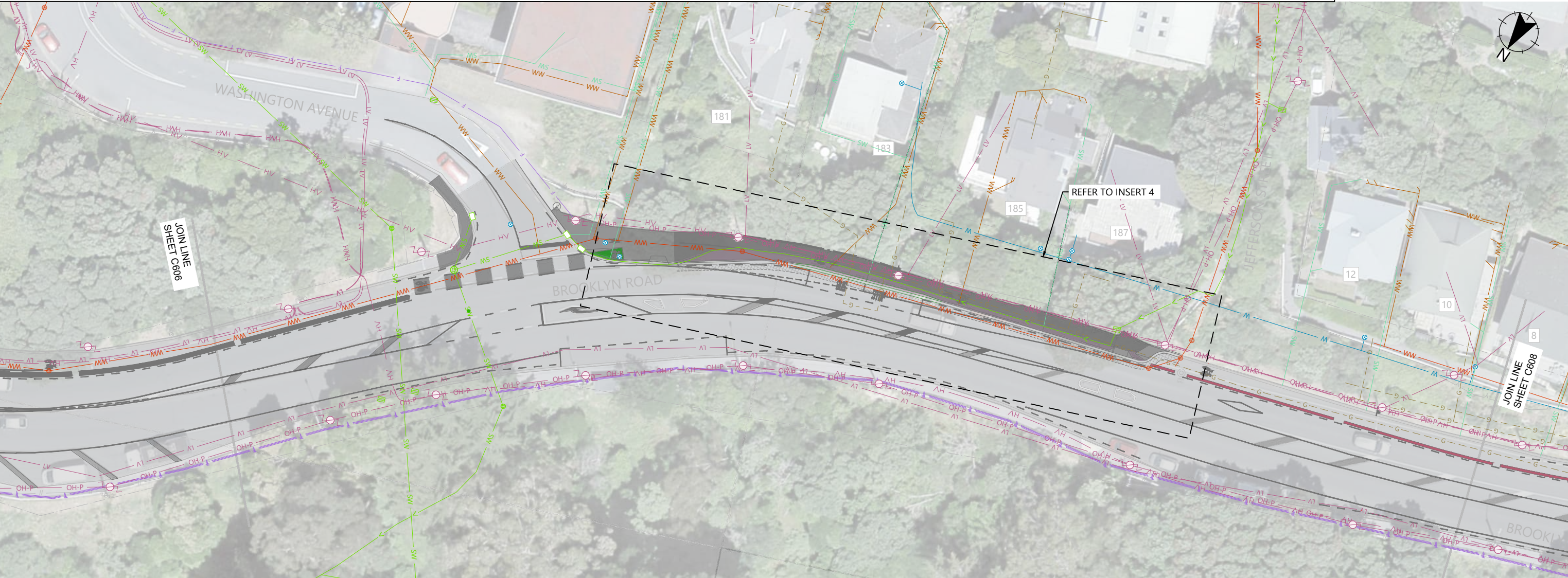
EX TELECOM LID

G

EX GAS

G

EX GAS METER



REV	AMENDMENTS	DES	DRN	CHK	APP	DATE
0	ISSUED FOR CONSTRUCTION	AV	AV	SC	SC	17.09.2025

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PROJECT TITLE

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CYCLING IMPROVEMENTS

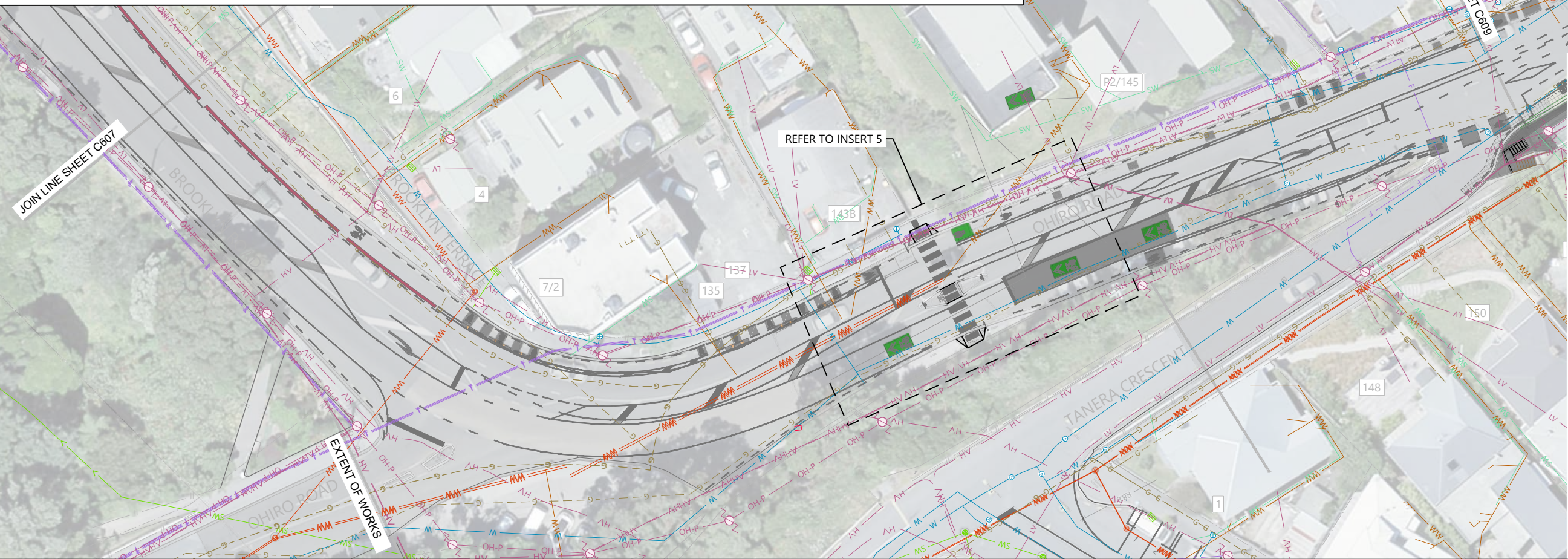
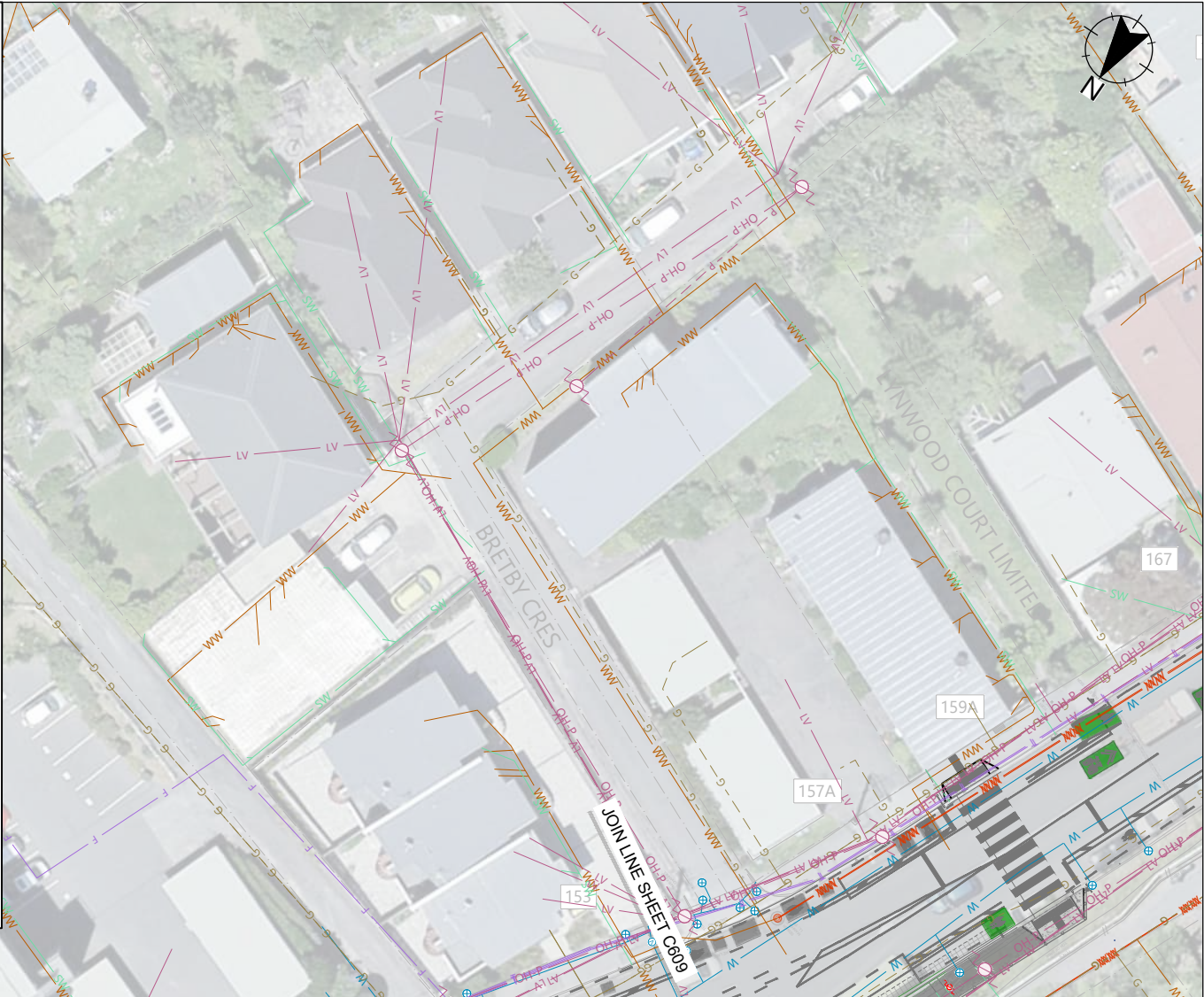
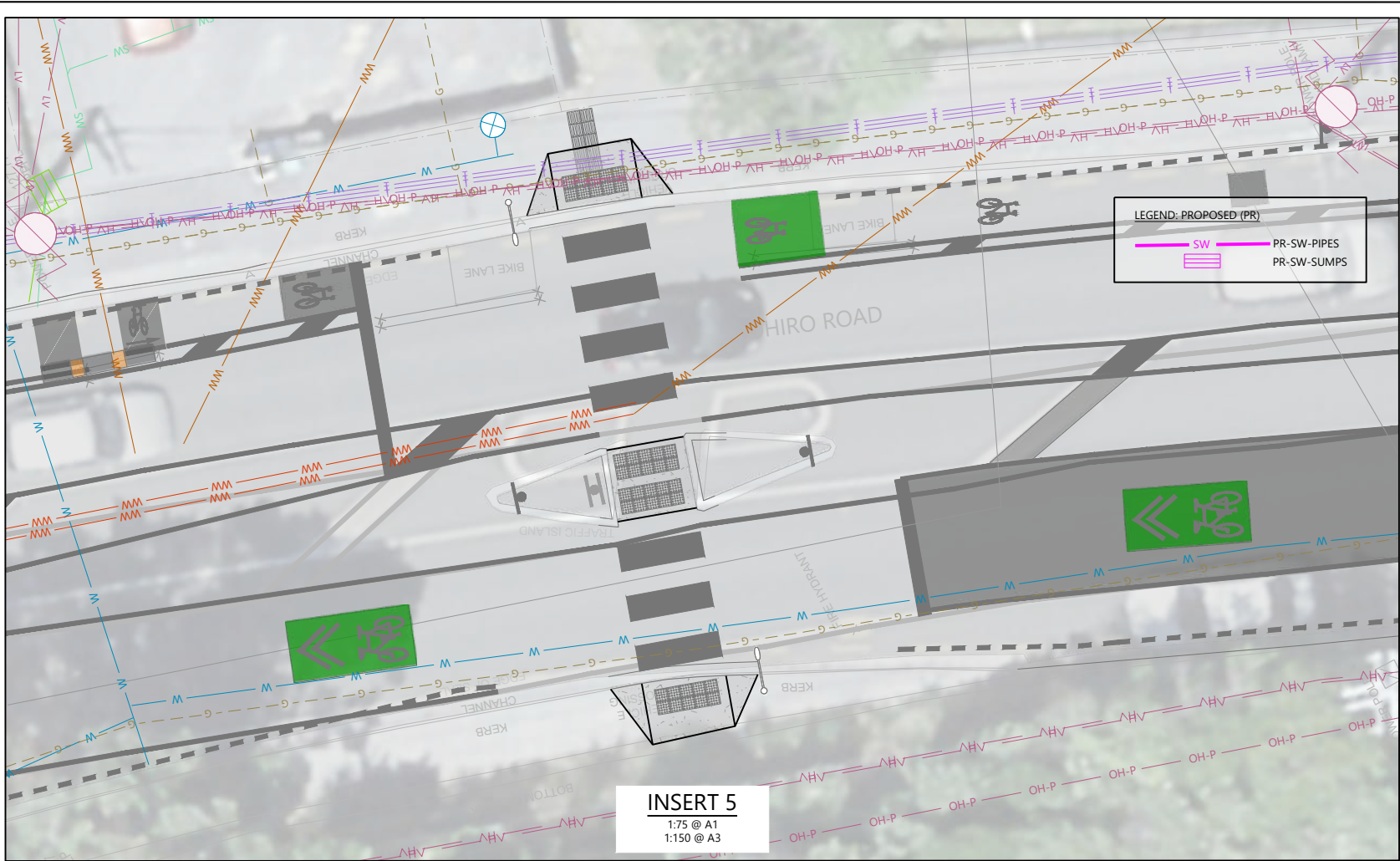
SHEET TITLE

EXISTING SERVICES  
SHEET 7 OF 10

ISSUED FOR CONSTRUCTION

SCALE (A1 ORIGINAL)	1:250	(A3) 1:500
PROJECT No.	SHEET	REVISION
BIL-1003220	607	0





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REFER TO DRAWING C300 FOR GENERAL NOTES	
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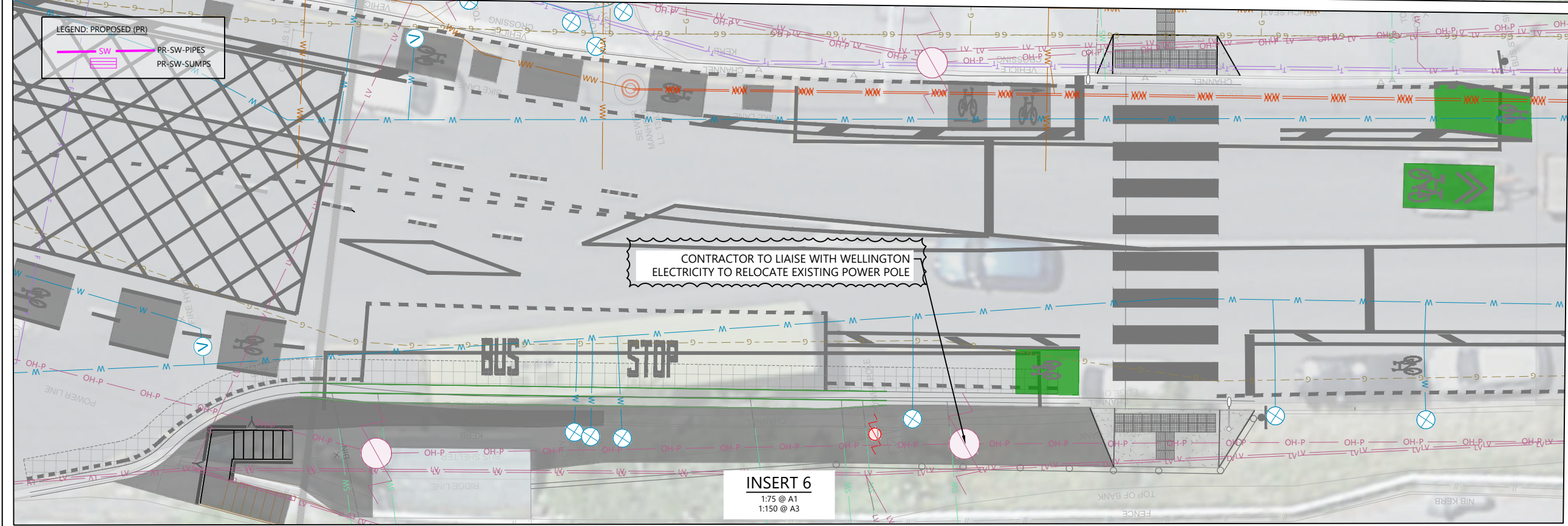
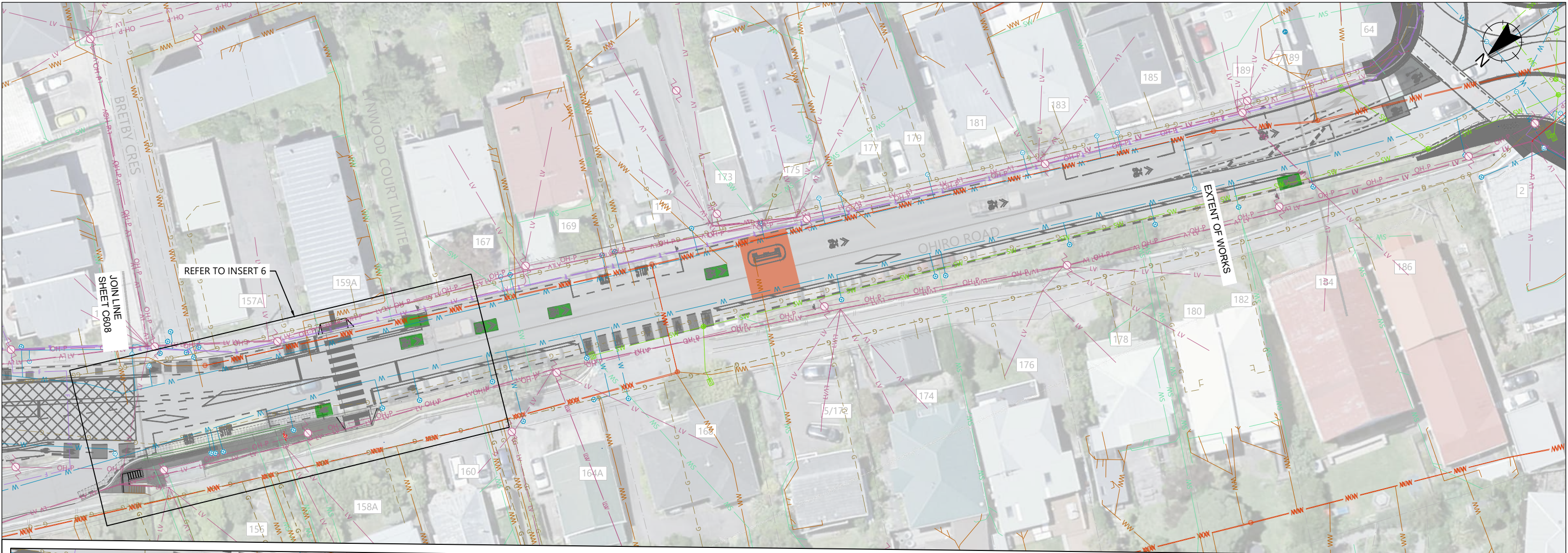


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Wellington City Council**  
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PROJECT TITLE  
**BROOKLYN HILL  
CYCLING IMPROVEMENTS**  
SHEET TITLE  
**EXISTING SERVICES  
SHEET 8 OF 10**

**ISSUED FOR CONSTRUCTION**  
SCALE (A1 ORIGINAL) 1:250 (A3) 1:500  
PROJECT No. BIL-1003220 SHEET 608 REVISION 0





- NOTES**  
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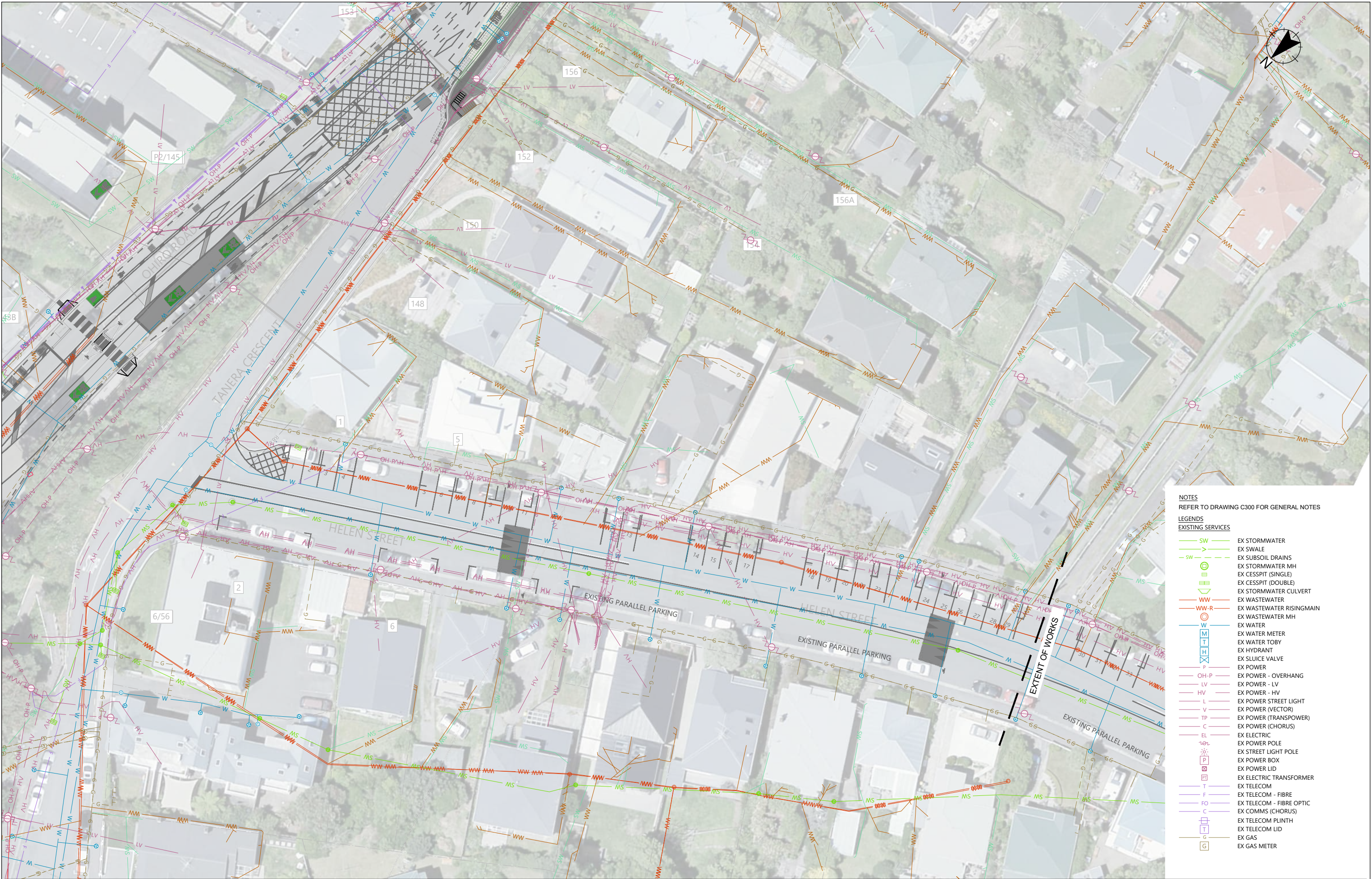


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**PROJECT TITLE**  
BROOKLYN HILL  
CYCLING IMPROVEMENTS  
**SHEET TITLE**  
EXISTING SERVICES  
SHEET 9 OF 10

**ISSUED FOR CONSTRUCTION**  
SCALE (A1 ORIGINAL) 1:250 (A3) 1:500  
PROJECT No. BIL-1003220 SHEET 609 REVISION 0





NOTES  
REFER TO DRAWING C300 FOR GENERAL NOTES

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PROJECT TITLE  
**BROOKLYN HILL  
CYCLING IMPROVEMENTS**

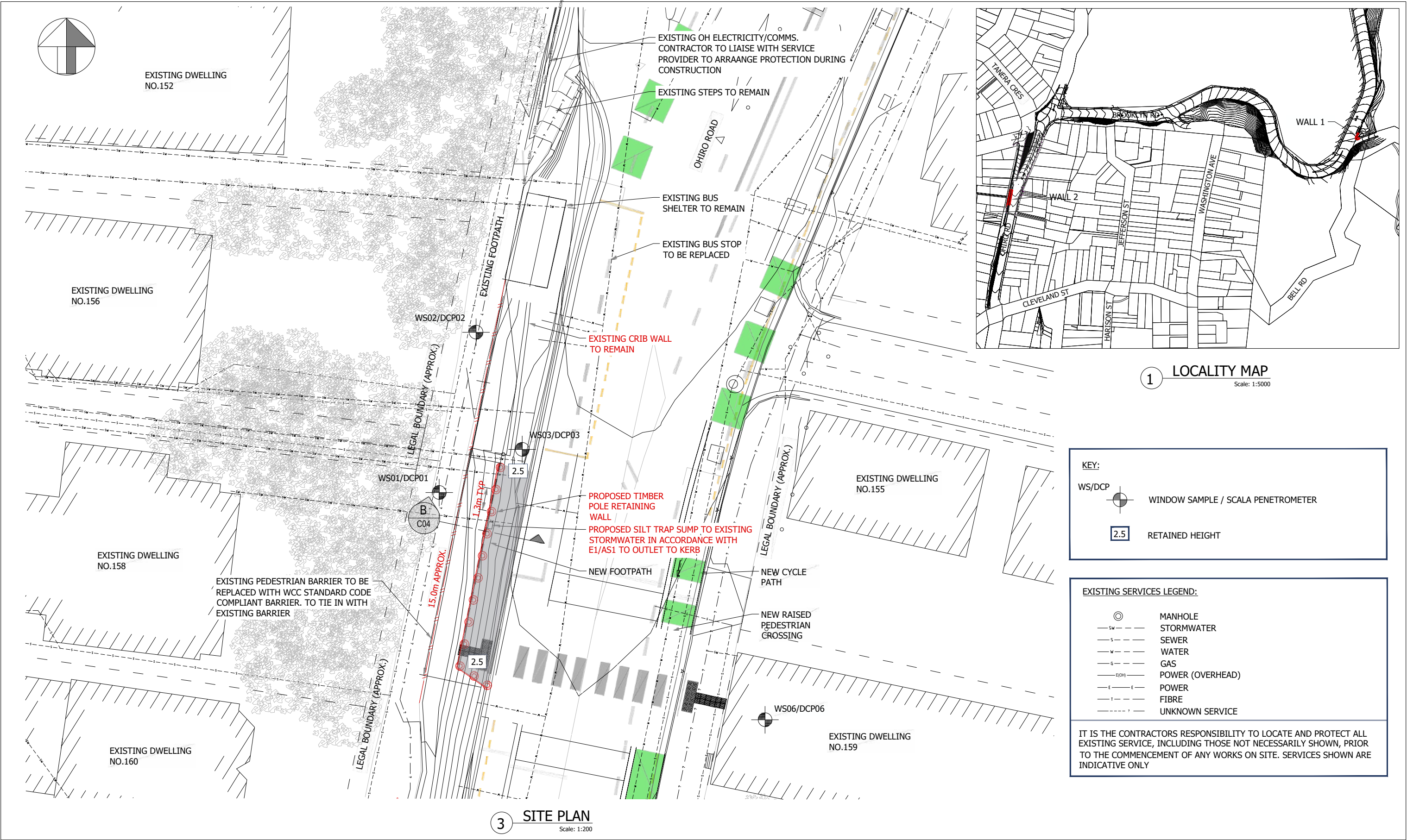
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**EXISTING SERVICES  
SHEET 10 OF 10**


**ISSUED FOR CONSTRUCTION**

SCALE (A1 ORIGINAL) 1:250 (A3) 1:500


PROJECT No.	SHEET	REVISION
BIL-1003220	610	0







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Consulting Engineers Ltd



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Box 13 273 Johnsonville Wellington  
Phone (04) 478 3929

NOTES:				
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NZS 3604:2011, THE NZBC AND THE WELLINGTON CITY COUNCIL BYLAWS.				
2. ALL DIMENSIONS SHALL BE CONFIRMED ON SITE PRIOR TO ORDERING MATERIALS, ALL VARIATIONS TO THE DIMENSIONS ON THE DRAWINGS SHALL BE REFERRED TO THE DESIGNER. CONFIRM THE LOCATIONS OF ALL SERVICES WITH SERVICE OWNERS PRIOR TO THE START OF CONSTRUCTION.				
3.				
B	PROPOSED BARRIER	JM	28.02.24	
A	DETAILED DESIGN	JC	13.12.23	
Rev	Revision Details	By	Date	

Job:	DETAILED DESIGN
Job Address:	BROOKLYN HILL WELLINGTON
Client:	WELLINGTON CITY COUNCIL

Drawing Title:

RETAINING WALL 2  
OHIRO ROAD  
LOCALITY & SITE PLAN

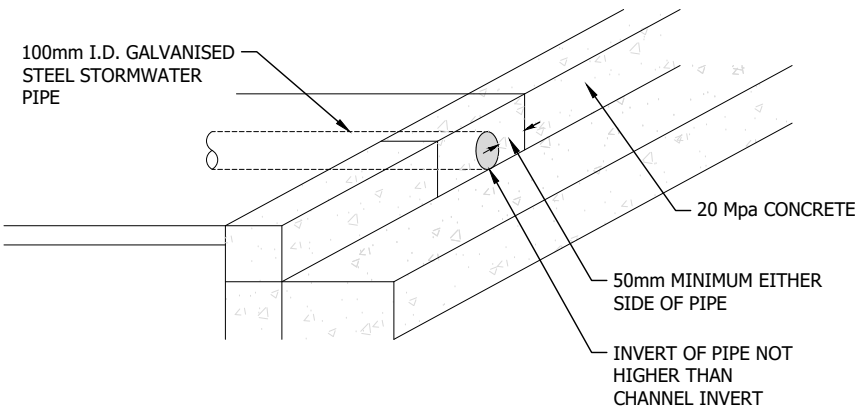
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Drawn	JC	Date	13.12.23
Designed	JM	Date	13.12.23
Checked	JC	Date	13.12.23
Approved	SG	Date	13.12.23
Job No 14565		Sheet S04	Rev A

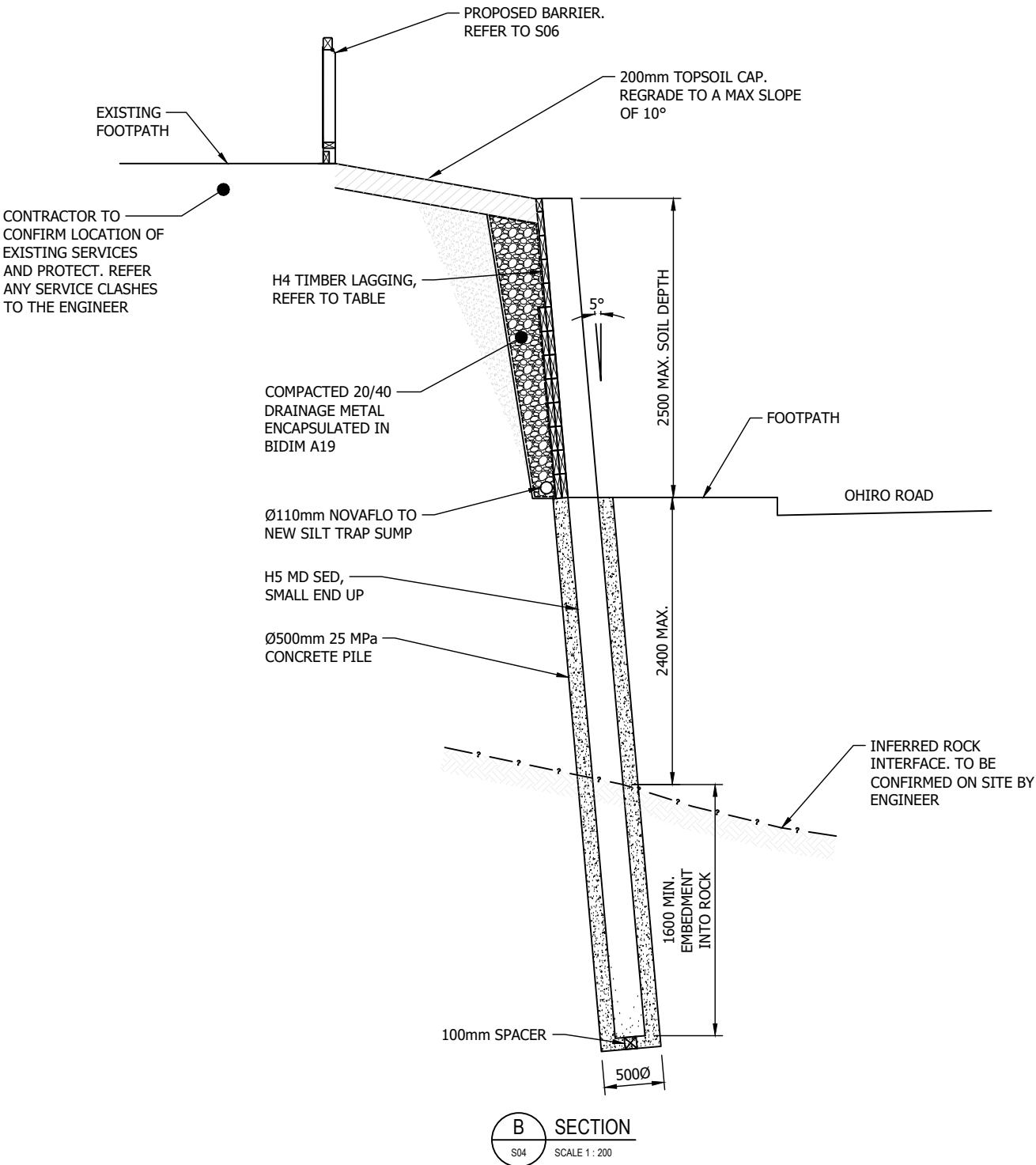


WALL 2 DETAILS

- NOTES
- 1. ENGINEER TO CHECK POLE HOLES AND CONFIRM GROUND CONDITIONS WHEN OPENED UP
  - 2. FOR HOLES ON SLOPING GROUND MEASURE EMBEDMENT DEPTH FROM DOWNSLOPE LIP OF HOLE WHERE APPROPRIATE
  - 3. POLES TO BE PLACED WITH THE LARGER DIAMETER END IN THE GROUND
  - 4. FOR ORDERING PURPOSES THE SUPPLIER REQUIRES THE POLE SMALL END DIAMETER. VALUES GIVEN BELOW ASSUME A TYPICAL POLE TAPER OF 5mm PER METRE. HOWEVER AS TAPER MAY VARY THE BUILDER MUST ENSURE THE CORRECT DIAMETER IS ACHIEVED AT GROUND LEVEL. THIS WILL BE CHECKED BY THE ENGINEER.
  - 5. ANY OVALITY IN A POLE SHOULD BE POSITIONED WITH THE LARGER DIMENSION PERPENDICULAR TO THE WALL
  - 6. THE BUILDER IS RESPONSIBLE FOR IDENTIFYING AND LOCATING ANY UNDERGROUND SERVICES THAT MIGHT AFFECT THE WORK
  - 7. THE BUILDER IS RESPONSIBLE FOR THE SAFETY OF THE WORK, ESPECIALLY THE COVERING OF OPEN HOLES, AND SHALL COMPLY WITH THE HEALTH AND SAFETY AT WORK ACT
  - 8. COMPLY WITH THE BUILDING CODE AND TERRITORIAL AUTHORITY REQUIREMENTS
  - 9. CONTACT ABUILD FOR FURTHER INFORMATION IF REQUIRED, INCLUDING:
  - 10. ALTERNATIVE SPACINGS TO SUIT POLE SIZE DISCREPANCIES ON SITE OR SMALLER POLES
  - 11. FINAL PILE DEPTHS TO BE CONFIRMED ON SITE BY THE ENGINEER
  - 12. TEMPORARY STABILITY AND CUTS ARE THE RESPONSIBILITY OF THE CONTRACTOR
  - 13. ALL TIMBER SURFACES EXPOSED BY CUTTING, DRILLING ETC. SHALL BE TREATED WITH AN APPROPRIATE TIMBER PRESERVATIVE E.G. COPPER NAPHTHENATE BASED BRUSH ON PRESERVATIVE. ALL BOLTS AND BOLT HOLES SHALL BE LIBERALLY COATED WITH CORROSION INHIBITING GREASE BEFORE FIXING.
  - 14. MOISTURE CONTENT OF TIMBER (INCL. PILES, BALUSTERS ETC.) USED AT THE TIME OF PLACING SHALL BE LESS THAN 20%. THIS MAY REQUIRE THE CONTRACTOR TO DRY THE TIMBER.



PROPOSED STORMWATER OUTLET IN KERB  
1:20

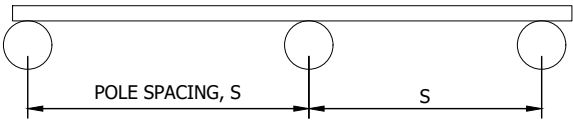


CONSTRUCTION DETAILS

MAXIMUM RETAINING HEIGHT (m)	POLE DIAMETER @ GND.LEVEL D (mm)	PILE DEPTH L (m)	PILE DIAMETER d (m)	POLE SPACING S (m)	MAX SLOPE BEHIND WALL (degrees)	RETAINING PLANKS
0 - 2.5	275 H5 MD SED	4.0 (1.6m INTO ROCK)	0.5	1.3	10°	0-1.0m RH - 1xLAYER 200x50 1.0-2.5m RH - 2xLAYER 200x50

TO ASSIST WITH POLE ORDERING (REFER ALSO TO NOTES)

MAXIMUM RETAINING HEIGHT (m)	SMALL END DIAMETER SED (mm)	POLE LENGTH L (MIN.) (m)
0 - 2.5	275 H5 MD SED	6.5



PART WALL PLAN (TYPICAL)



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Phone (04) 478 3929

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B	PROPOSED BARRIER	JM	28.02.24
A	DETAILED DESIGN	JC	13.12.23
Rev	Revision Details	By	Date

Job: DETAILED DESIGN  
Job Address: BROOKLYN HILL  
WELLINGTON  
  
Client: WELLINGTON CITY COUNCIL

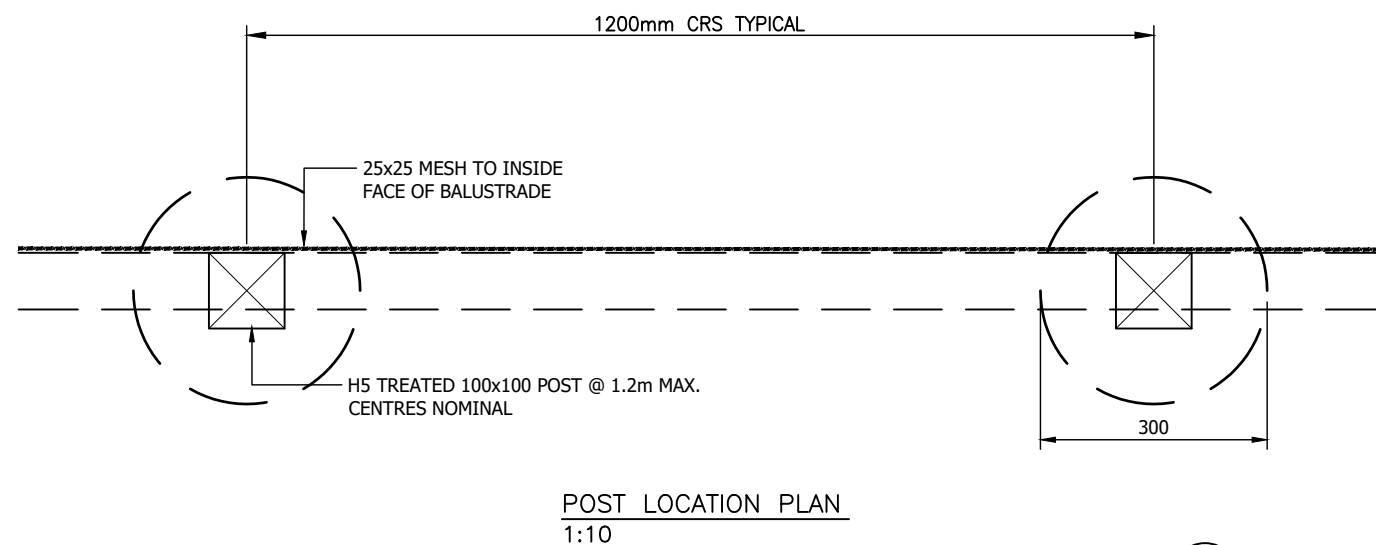
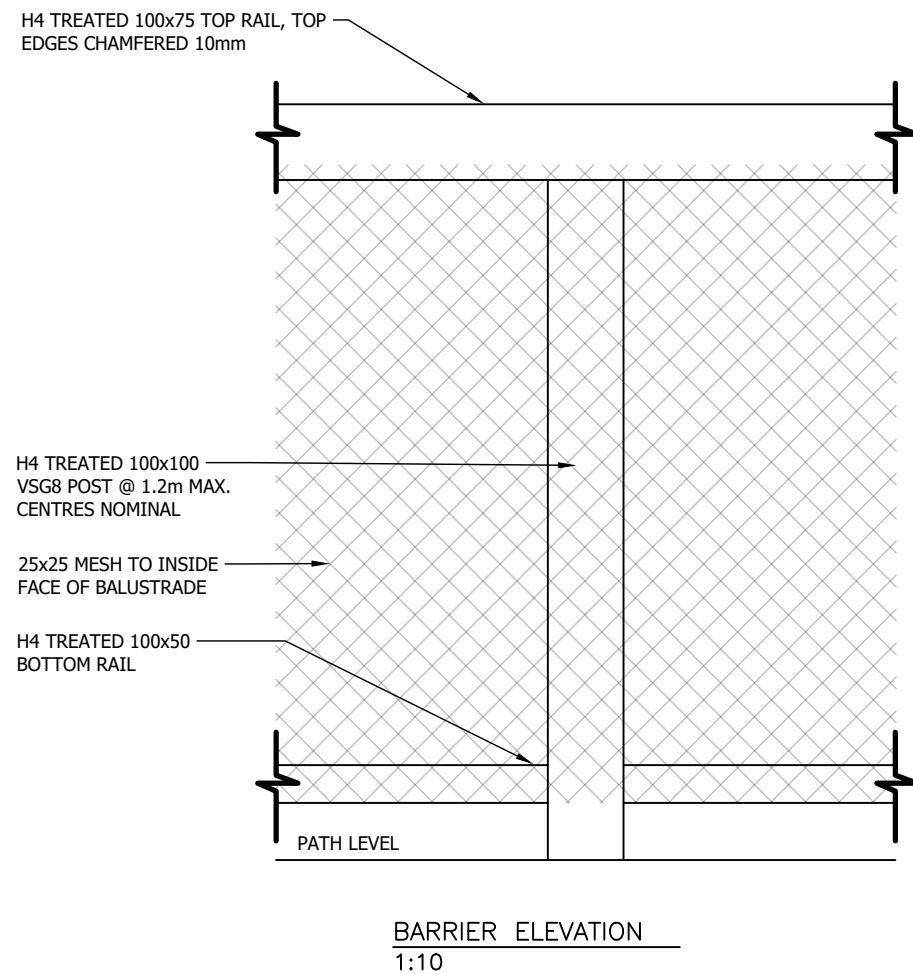
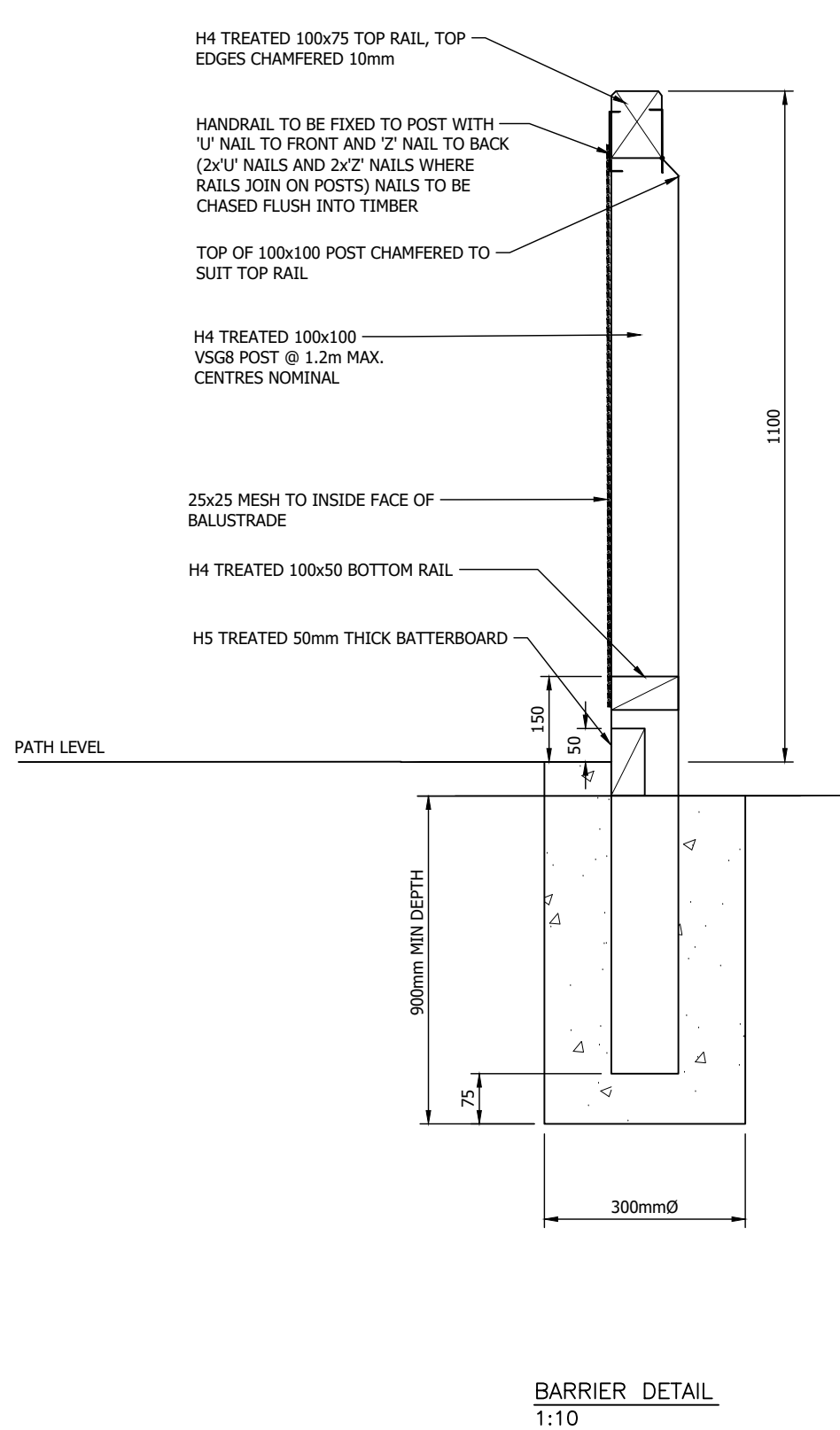
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**RETAINING WALL 2  
OHIRO ROAD  
SECTION B**

Scale: AS SHOWN @ A3

Drawn	JC	Date	13.12.23
Designed	JM	Date	13.12.23
Checked	JC	Date	13.12.23
Approved	SG	Date	13.12.23

Job No	Sheet	Rev
14565	S05	A





## CONSTRUCTION NOTES:

### 1 TOP RAILS

1.1 TOP RAILS SHALL BE FIXED TO EACH BALUSTER WITH NAILS HAVING A SHANK DIAMETER OF NO LESS THAN 3.75mm AND PENETRATING THE BALUSTER BY NO LESS THAN 50mm. THE NUMBER OF NAILS FOR EACH FIXING SHALL BE 3.

### 2 TIMBER MOISTURE CONTENT

2.1 TIMBER IN BALUSTERS AND ELEMENTS TO WHICH THEY ARE CONNECTED SHOULD BE INSTALLED AT SIMILAR MOISTURE CONTENTS. THE MOISTURE CONTENT SHALL NOT EXCEED 20%.

### 3 HANDRAILS EXPOSED TO THE WEATHER SHALL HAVE:

A) ALL TIMBER TREATED TO AT LEAST HAZARD CLASS H3.2 AND H5 IN ACCORDANCE WITH NZS 3640, AS SHOWN ON THE DRAWINGS.

B) ALL NAILS, SCREWS AND BOLTS TO BE TYPE 304 STAINLESS STEEL

### 4 BARRIER INFILL:

BARRIER INFILL SHALL COMPRISE GALVANISED STEEL MESH AS PER WCC STANDARD.

**B SECTION**  
S04 SCALE 1 : 200

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WELLINGTON

Client: WELLINGTON CITY COUNCIL

Drawing Title:  
**BARRIER DETAILS**

Scale: AS SHOWN @ A3

Drawn	JC	Date	13.12.23
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Approved	SG	Date	13.12.23

Job No	Sheet	Rev
<b>14565</b>	<b>S06</b>	<b>A</b>