

REV	AMENDMENT	DATE OF ISSUE	DESIGN: SM	DRAWN: SM	CLIENT: PRECINCT PROPERTIES	SHEET TITLE: DRAFT CTMP PLANS FOR DEMOLITION STAGE 5	SHEET: 05 of 05
A	First Issue	29/11/2024	CHECKED: HS	DATE: 29/11/2024	PROJECT: DOWNTOWN CARPARK REDEVELOPMENT		
			SCALE: 0 20m		LOCATION: 2 LOWER HOBSON STREET, AUCKLAND CBD		
			1:500 @ A3		NOT FOR CONSTRUCTION	DRAWING NUMBER: PREP002-DC-CTMP-0	REV: A

**flow**  
TRANSPORTATION SPECIALISTS  
Level 1, 11 Blake Street, Ponsonby, Auckland | PO Box 47497 Ponsonby  
p 09 970 3820 | f 09 970 3890 | www.flownz.com

---

## **APPENDIX D                      Alternative bus route solutions**

---

**Route name followed by i = bus route inbound**

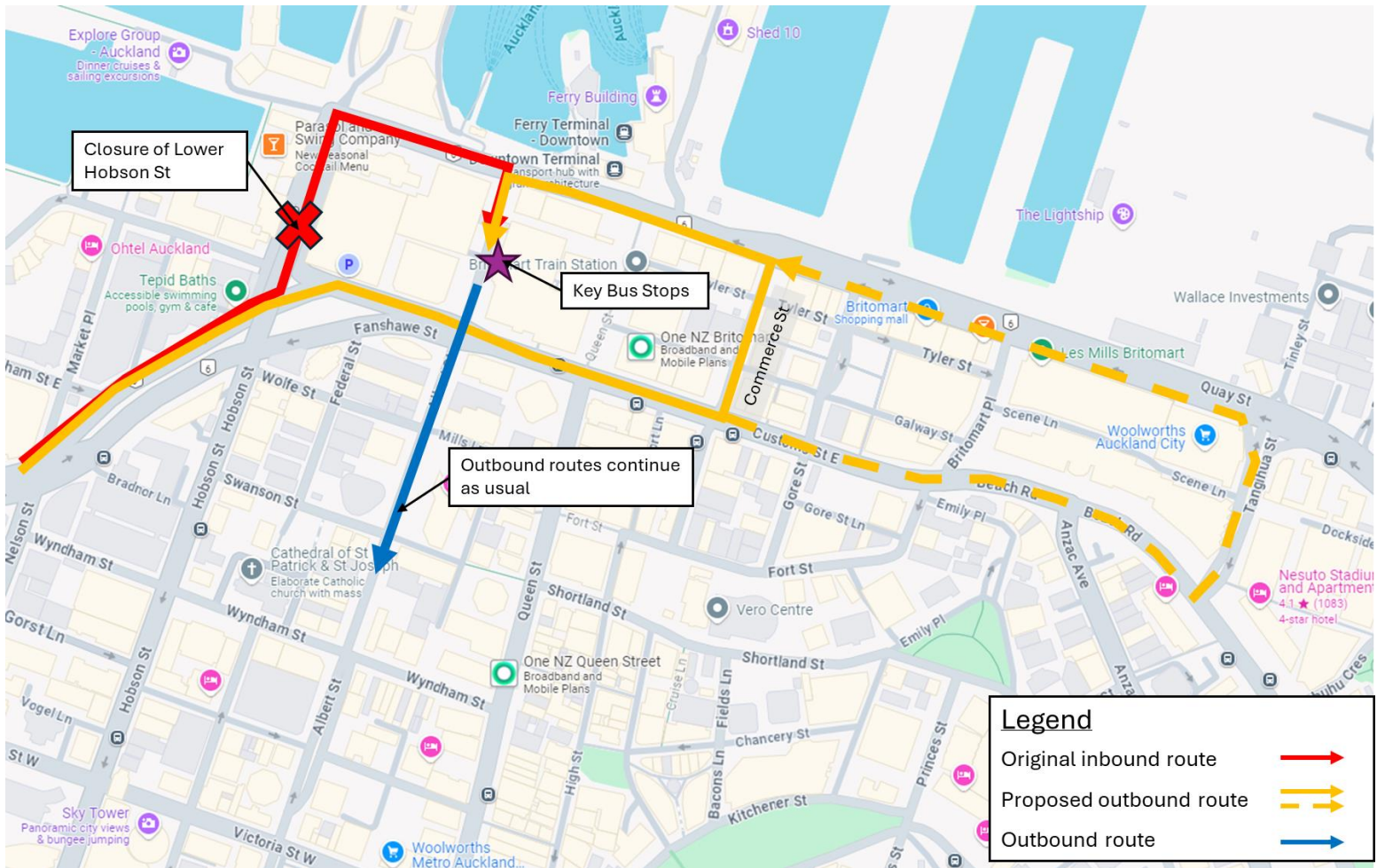
**Route name followed by o = bus route outbound**

<b>Stage 1 - Closure of Lower Hobson St</b>			
<b>48 hours during a weekend</b>			
<b>Affected Bus Routes in the SATURN model</b>	<b>Affected Existing Bus Stops (ID)</b>	<b>Alternative route</b>	<b>Additional notes/works required</b>
105i	n/a	<b>Solution 1:</b> <ul style="list-style-type: none"> <li>◆ Continue on Fanshawe St instead of turning left into Lower Hobson St</li> <li>◆ Turn left at Commerce St</li> <li>◆ Turn left onto Quay St</li> <li>◆ Turn left back into Lower Albert St (trip origin)</li> </ul>	We have checked bus tracking for the Commerce Street and Lower Albert Street intersections, which do not currently accommodate bus routes, as shown in Appendix D
106			
11Ti			
11Wi			
18i			
195i			
209i			
WXi – Northwestern express			
95Bo	Stop 1006 Stop E Lower Albert	<b>Solution 2:</b> <ul style="list-style-type: none"> <li>◆ Outbound route starts on Customs St W directly</li> <li>◆ Follows the usual outbound route via Fanshawe St</li> </ul>	Use can be made of the existing stops on Customs St West. However, it is relatively far from impacted stops so they may need signage or other measures to guide users to the relocated bus stop.
95Co			
97Bo			
97Ro			
Nx1o			
95Bi		Move the inbound final stop to end at Customs St West instead of turning left into Lower Albert St	
95Ci			
97Bi			
97Ri			

<b>Stage 5 - Closure of Customs St West</b>			
<b>1 week</b>			
<b>Affected Bus Routes in the SATURN model</b>	<b>Affected Existing Bus Stops (ID)</b>	<b>Alternative route</b>	<b>Additional notes/works required</b>
931i	n/a	<b>Solution 3:</b> <ul style="list-style-type: none"> <li>◆ Turn left into Lower Hobson St instead of continuing on Customs St W</li> <li>◆ Right into Lower Albert St</li> <li>◆ Left back onto Customs St W at the Customs St W/Queen St intersection and continue as usual</li> </ul>	
933i			
939i			
95Bi	n/a	<b>Solution 4:</b> <ul style="list-style-type: none"> <li>◆ Turn left into Lower Hobson St instead of continuing on Customs St W</li> <li>◆ Turn right into Lower Albert St and then turn left into Customs St W</li> <li>◆ Turn left into Commerce St and left back onto Quay St on the other side of the road to serve original Stop E</li> <li>◆ Outbound route will remain the same as original, via Lower Hobson St</li> </ul>	
95Ci			
97Bi			
97Ri			
NX1i			
95Bo			
95Co			
97Bo			
97Ro			
NX1o			
CITY	n/a	<b>Solution 5:</b> <ul style="list-style-type: none"> <li>◆ Turn left into Lower Hobson St instead of continuing on Customs St W</li> <li>◆ Right into Lower Albert St</li> <li>◆ Left back onto Customs St W at the Customs St W/Queen St intersection and continue as usual</li> <li>◆ Return route remains the same</li> </ul>	

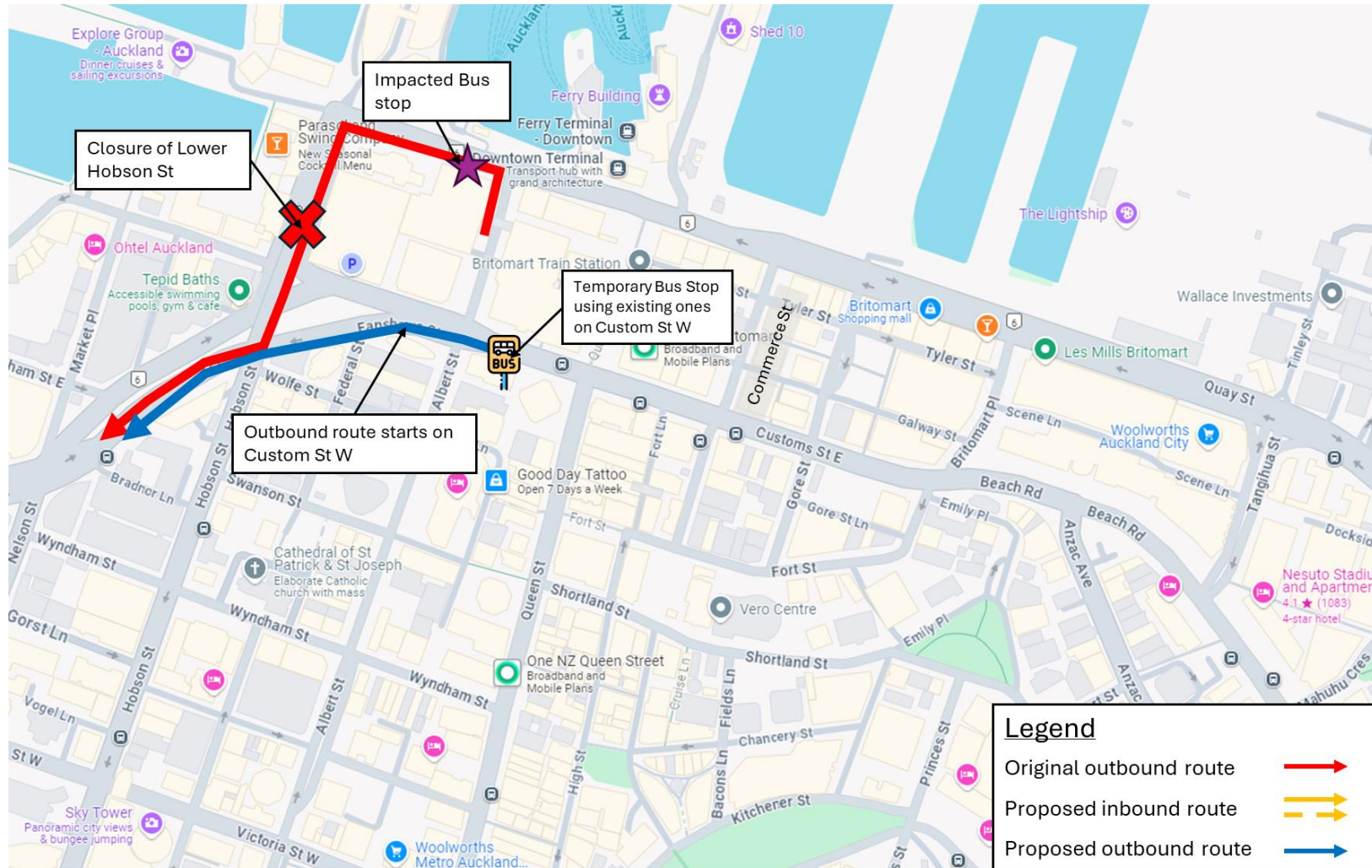
### Stage 1 - Closure of Lower Hobson St

#### Solution 1



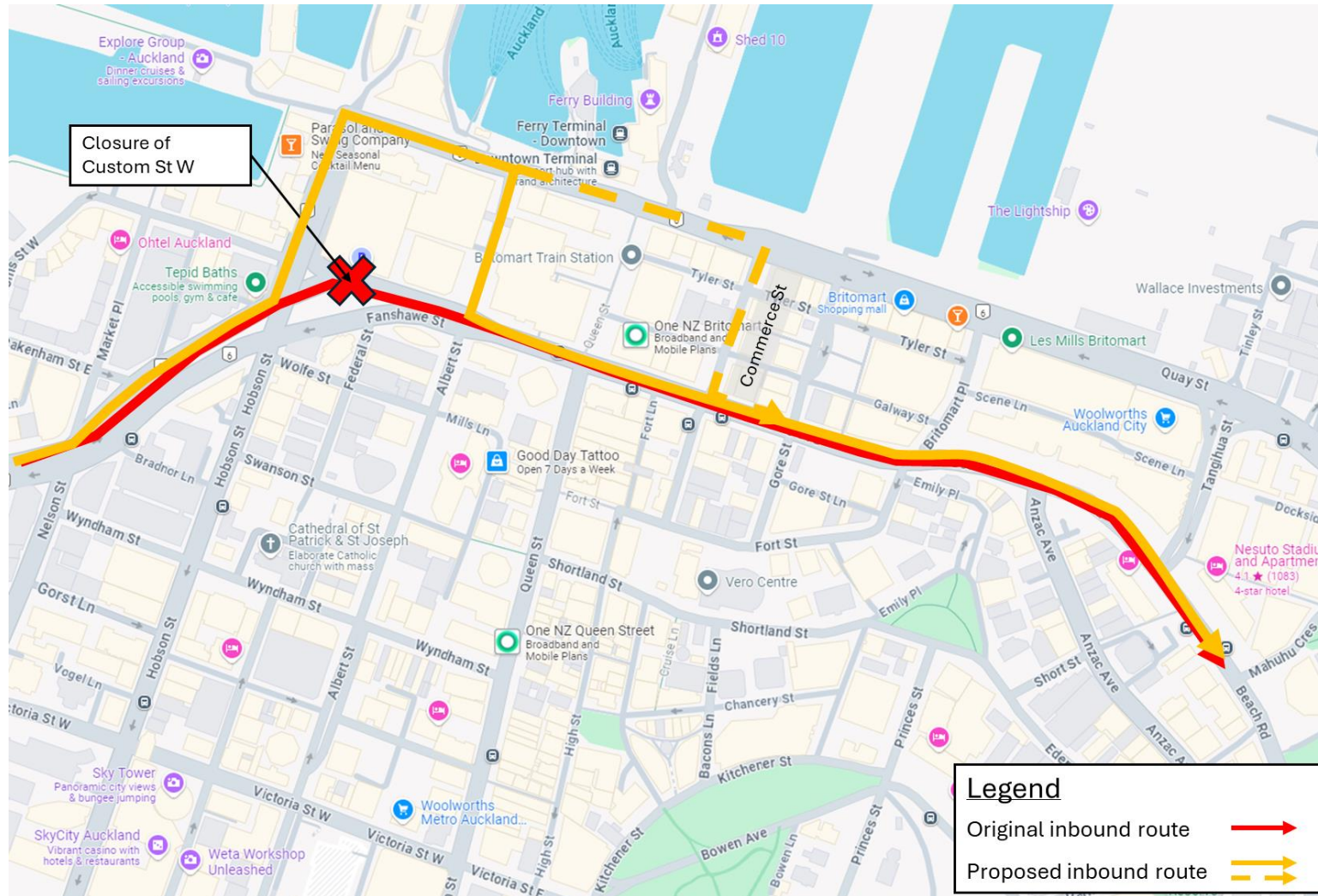
### Stage 1 - Closure of Lower Hobson St

#### Solution 2



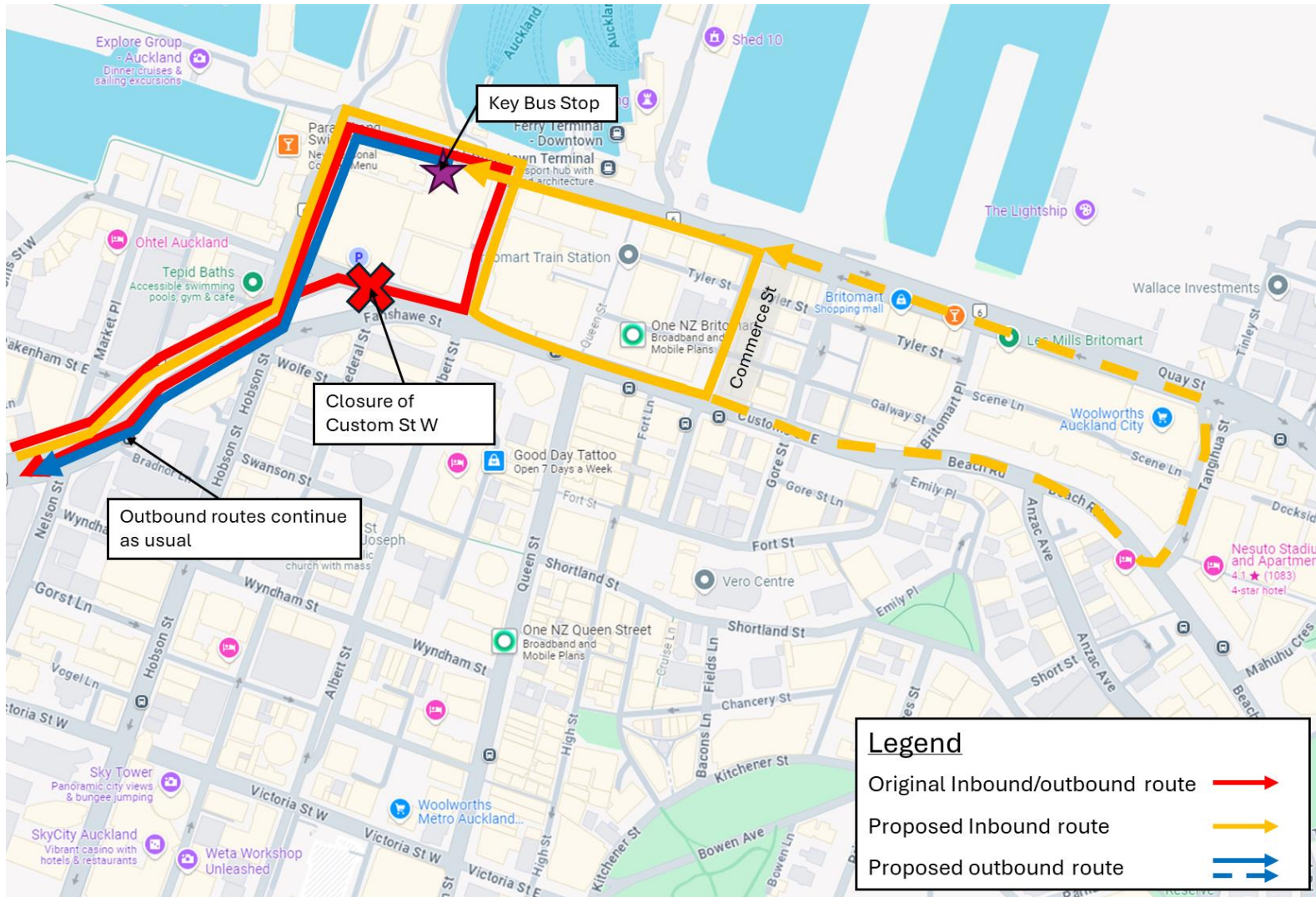
### Stage 5 - Closure of Customs St West

#### Solution 3



### Stage 5 - Closure of Customs St West

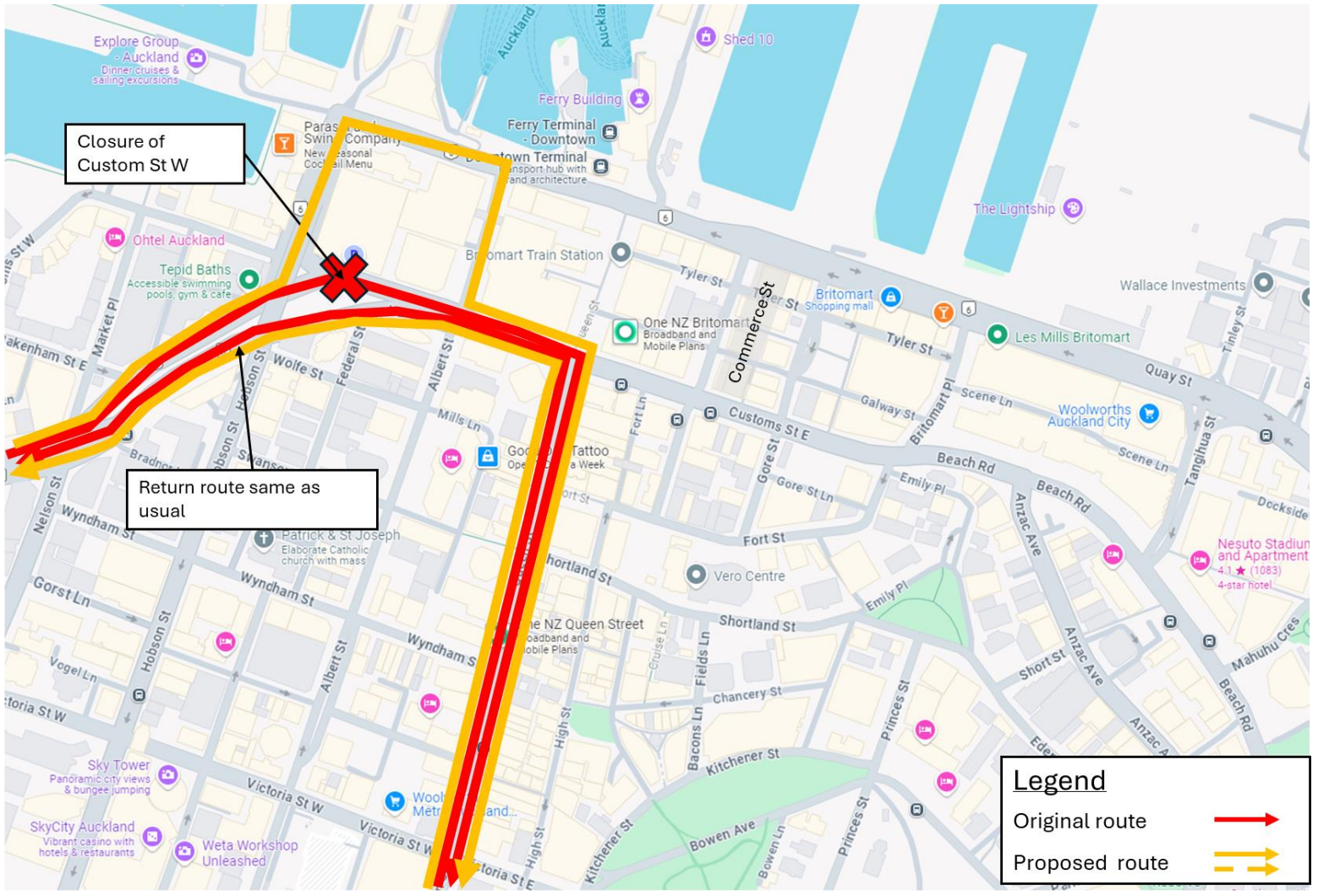
#### Solution 4





### Stage 5 - Closure of Customs St West

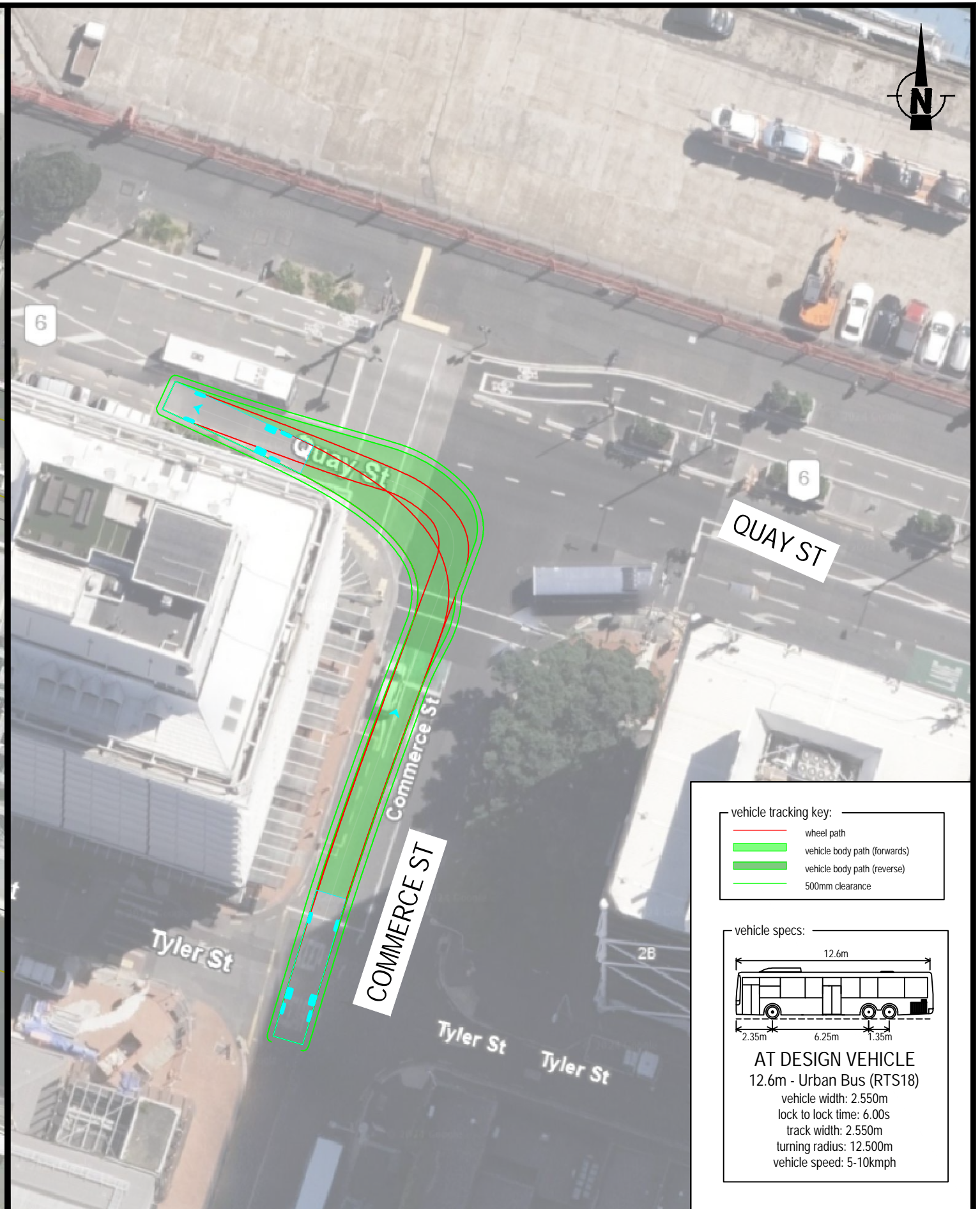
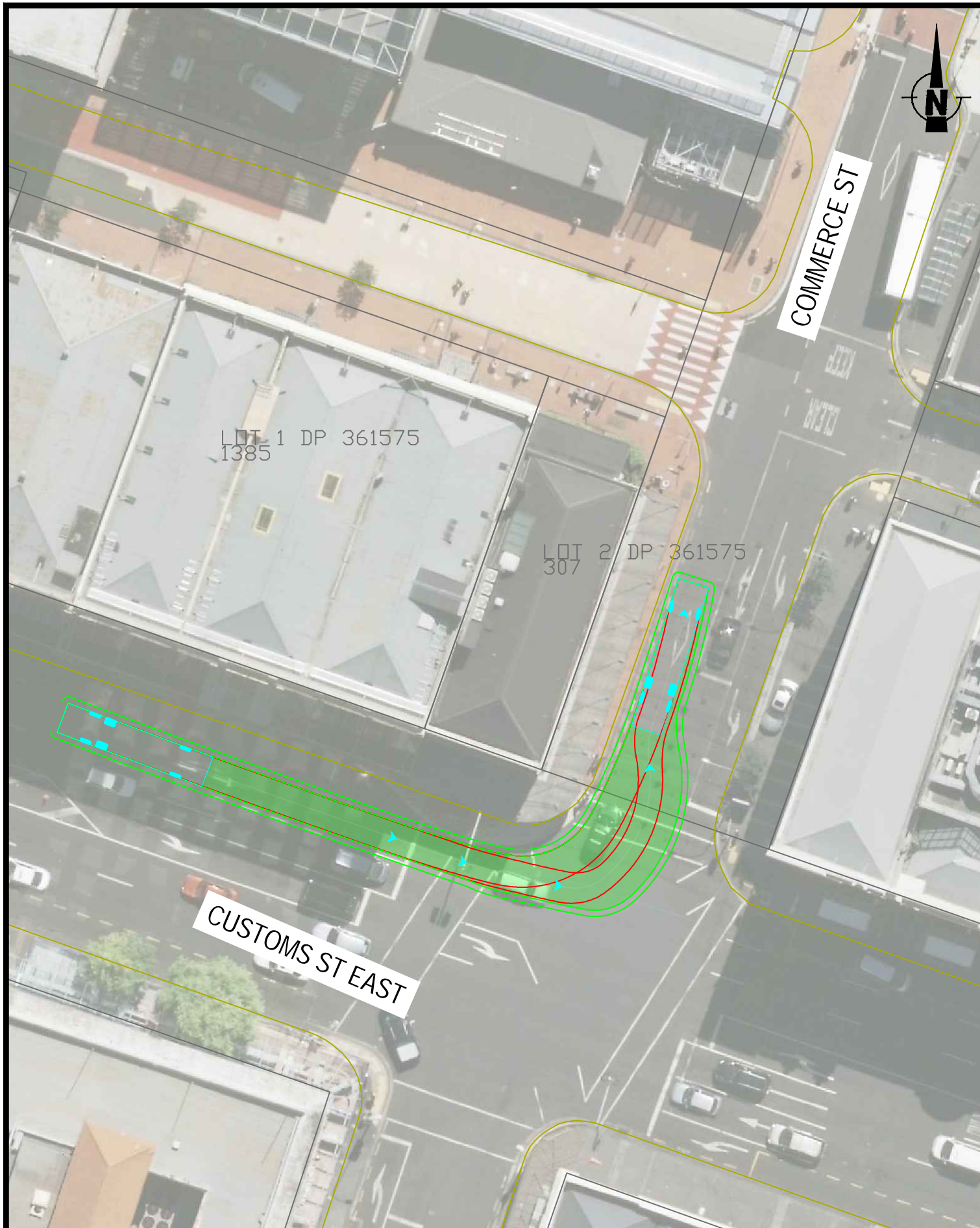
#### Solution 5



---

## **APPENDIX E                      Vehicle tracking of Bus Diversion Routes**

---



vehicle tracking key:

	wheel path
	vehicle body path (forwards)
	vehicle body path (reverse)
	500mm clearance

vehicle specs:

**AT DESIGN VEHICLE**  
 12.6m - Urban Bus (RTS18)  
 vehicle width: 2.550m  
 lock to lock time: 6.00s  
 track width: 2.550m  
 turning radius: 12.500m  
 vehicle speed: 5-10kmph

REV	AMENDMENT	DATE OF ISSUE
A	First Issue	16/10/2024

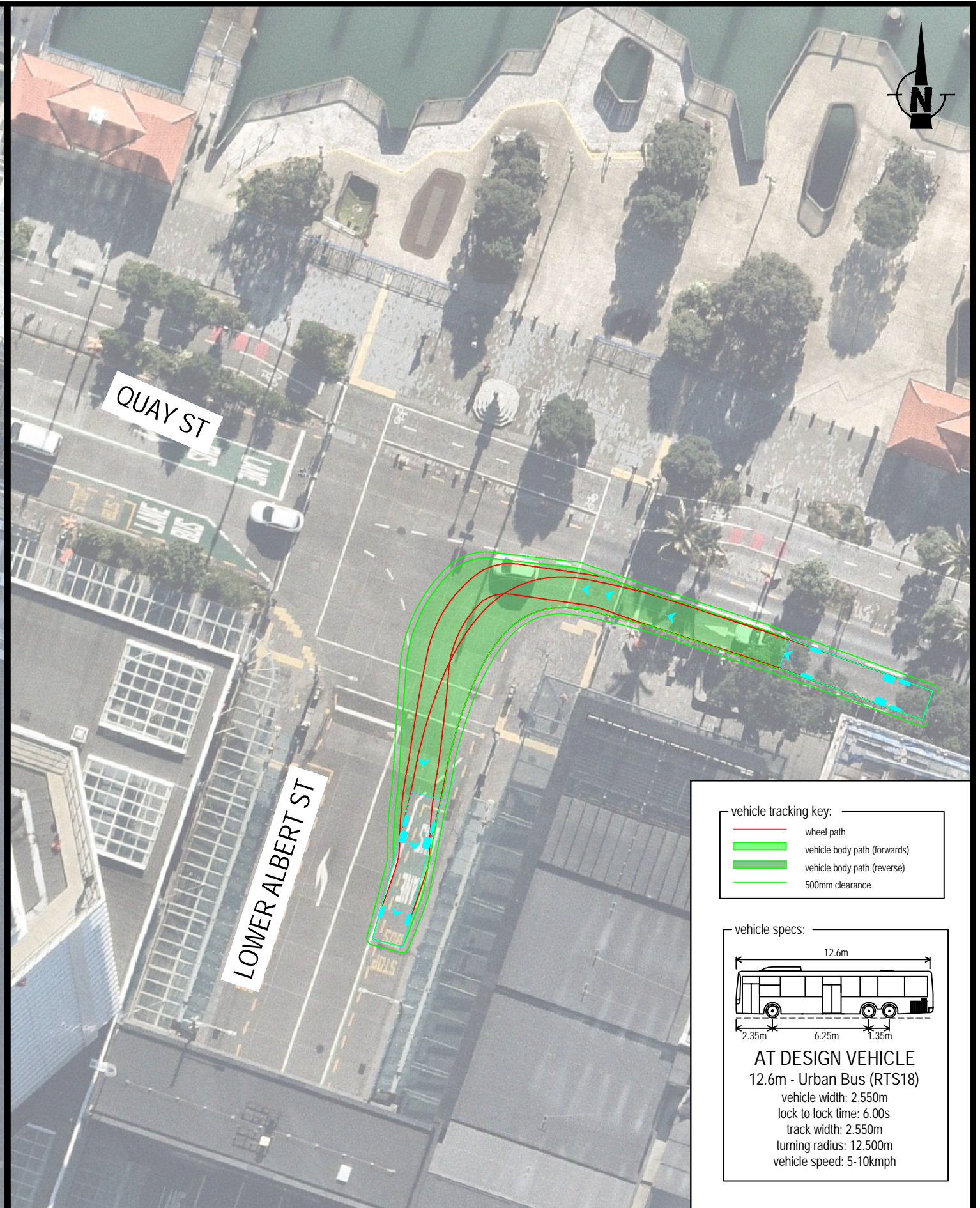
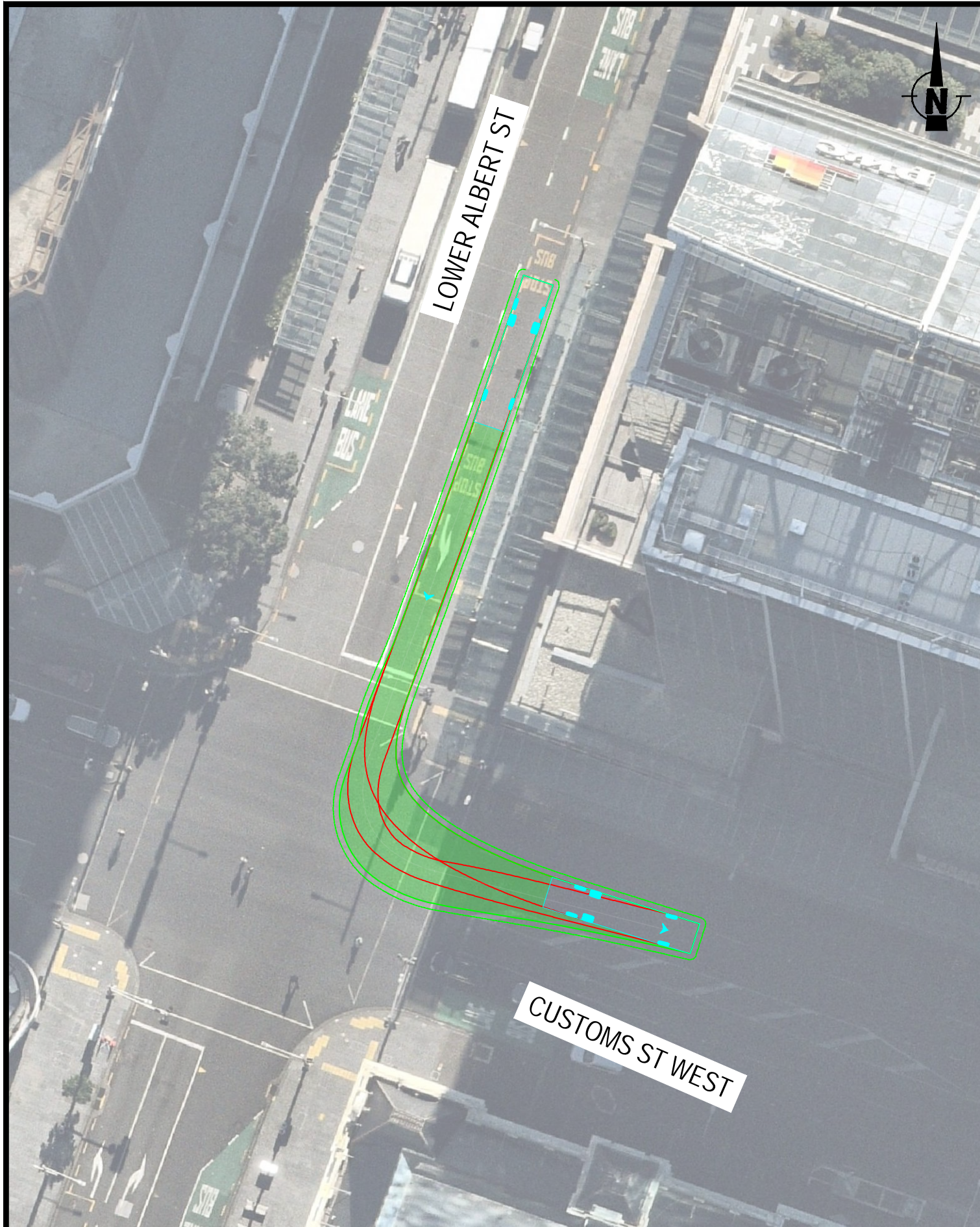
DESIGN: KC	DRAWN: KC
CHECKED: HS	DATE: 16/10/2024
SCALE: 0 16m	
1:400 @ A3	

CLIENT: PRECINCT PROPERTIES  
 PROJECT: DOWNTOWN CARPARK REDEVELOPMENT  
 LOCATION: 2 LOWER HOBSON STREET, AUCKLAND CBD  
**NOT FOR CONSTRUCTION**

SHEET TITLE: **12.6m AT BUS TRACKING TRACKING ON COMMERCE ST**  
 DRAWING NUMBER: PREP002-DC-DW01

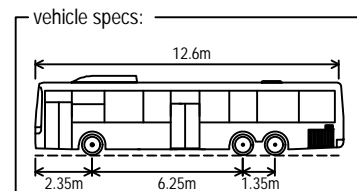
SHEET: 01 of 02  
 REV: A

**flow**  
 TRANSPORTATION SPECIALISTS  
 Level 1, 11 Blake Street, Ponsonby, Auckland | PO Box 47497 Ponsonby  
 p 09 970 3820 | f 09 970 3890 | www.flownz.com



vehicle tracking key:

- wheel path
- vehicle body path (forwards)
- vehicle body path (reverse)
- 500mm clearance



**AT DESIGN VEHICLE**  
 12.6m - Urban Bus (RTS18)  
 vehicle width: 2.550m  
 lock to lock time: 6.00s  
 track width: 2.550m  
 turning radius: 12.500m  
 vehicle speed: 5-10kmph

REV	AMENDMENT	DATE OF ISSUE	DESIGN: KC	DRAWN: KC
A	First Issue	16/10/2024	CHECKED: HS	DATE: 16/10/2024

SCALE: 0 16m

1:400 @ A3

CLIENT: PRECINCT PROPERTIES  
 PROJECT: DOWNTOWN CARPARK REDEVELOPMENT  
 LOCATION: 2 LOWER HOBSON STREET, AUCKLAND CBD  
**NOT FOR CONSTRUCTION**

SHEET TITLE: **12.6m AT BUS TRACKING TRACKING ON LOWER ALBERT ST**  
 DRAWING NUMBER: PREP002-DC-DW01

SHEET: **02 of 02**  
 REV: **A**

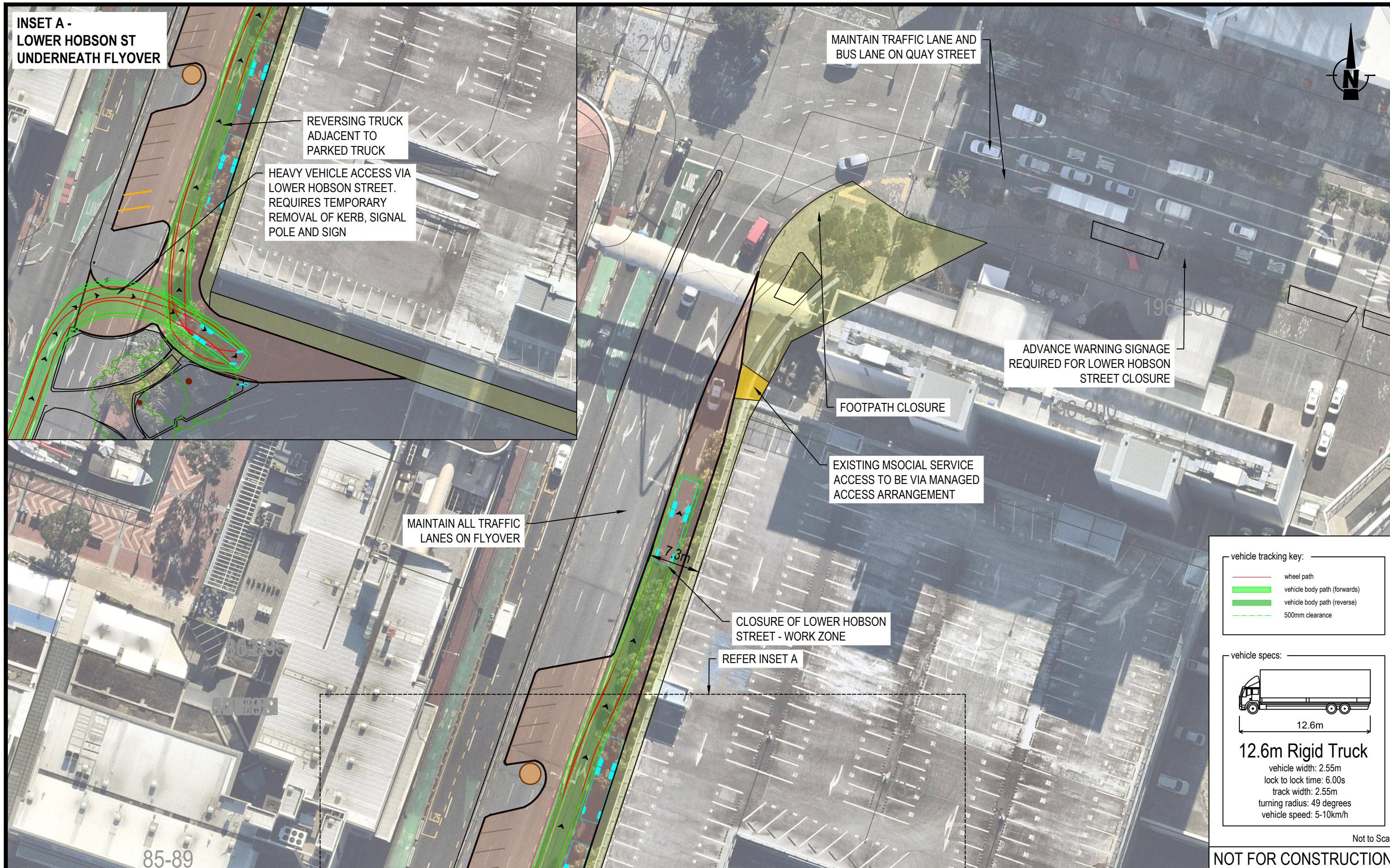
**flow**  
 TRANSPORTATION SPECIALISTS  
 Level 1, 11 Blake Street, Ponsonby, Auckland | PO Box 47497 Ponsonby  
 p 09 970 3820 | f 09 970 3890 | www.flownz.com

---

## APPENDIX I

## Construction options

---



vehicle tracking key:

- wheel path
- vehicle body path (forwards)
- vehicle body path (reverse)
- - - 500mm clearance

vehicle specs:

**12.6m Rigid Truck**  
 vehicle width: 2.55m  
 lock to lock time: 6.00s  
 track width: 2.55m  
 turning radius: 49 degrees  
 vehicle speed: 5-10km/h

Not to Scale

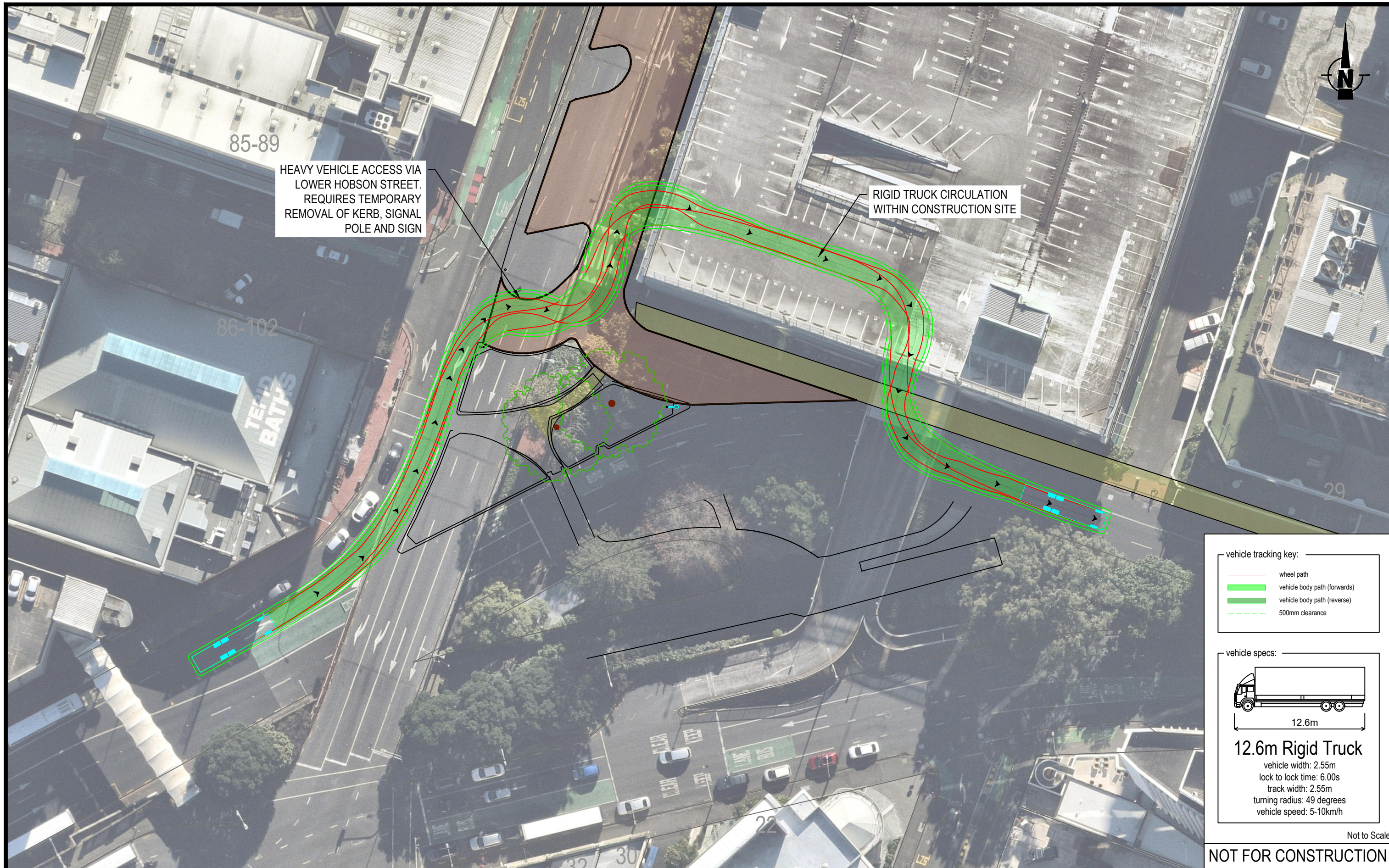
**NOT FOR CONSTRUCTION**

REV	AMENDMENT	DATE OF ISSUE	DESIGN: SM	DRAWN: SM	CLIENT: PRECINCT PROPERTIES	SHEET TITLE: CONSTRUCTION OPTION 1A	SHEET: 01 of 04
A	First Issue	29/11/2024	CHECKED: HS	DATE: 29/11/2024	PROJECT: DOWNTOWN CARPARK REDEVELOPMENT		
					LOCATION: 2 LOWER HOBSON STREET, AUCKLAND CBD	DRAWING NUMBER: PREP002-DC-CON-00	REV: A
					<b>NOT FOR CONSTRUCTION</b>		

SCALE: 0 20m

1:500 @ A3

Level 1, 11 Blake Street, Ponsonby, Auckland | PO Box 47497 Ponsonby  
 p 09 970 3820 | f 09 970 3890 | www.flownz.com



vehicle tracking key:

- wheel path
- vehicle body path (forwards)
- vehicle body path (reverse)
- - - 500mm clearance

vehicle specs:

12.6m Rigid Truck

- vehicle width: 2.55m
- lock to lock time: 6.00s
- track width: 2.55m
- turning radius: 49 degrees
- vehicle speed: 5-10km/h

Not to Scale

**NOT FOR CONSTRUCTION**

REV	AMENDMENT	DATE OF ISSUE	DESIGN: SM	DRAWN: SM
A	First Issue	29/11/2024	CHECKED: HS	DATE: 29/11/2024
SCALE: 0 20m			1:500 @ A3	

CLIENT: PRECINCT PROPERTIES  
 PROJECT: DOWNTOWN CARPARK REDEVELOPMENT  
 LOCATION: 2 LOWER HOBSON STREET, AUCKLAND CBD

**NOT FOR CONSTRUCTION**

SHEET TITLE: CONSTRUCTION OPTION 1B

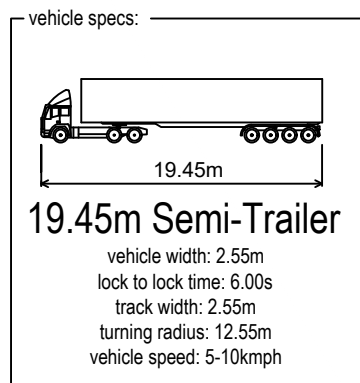
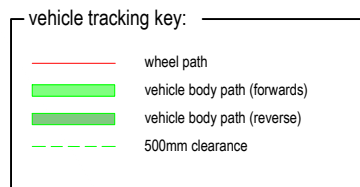
DRAWING NUMBER: PREP002-DC-CON-00

SHEET: 02 of 04

REV: A

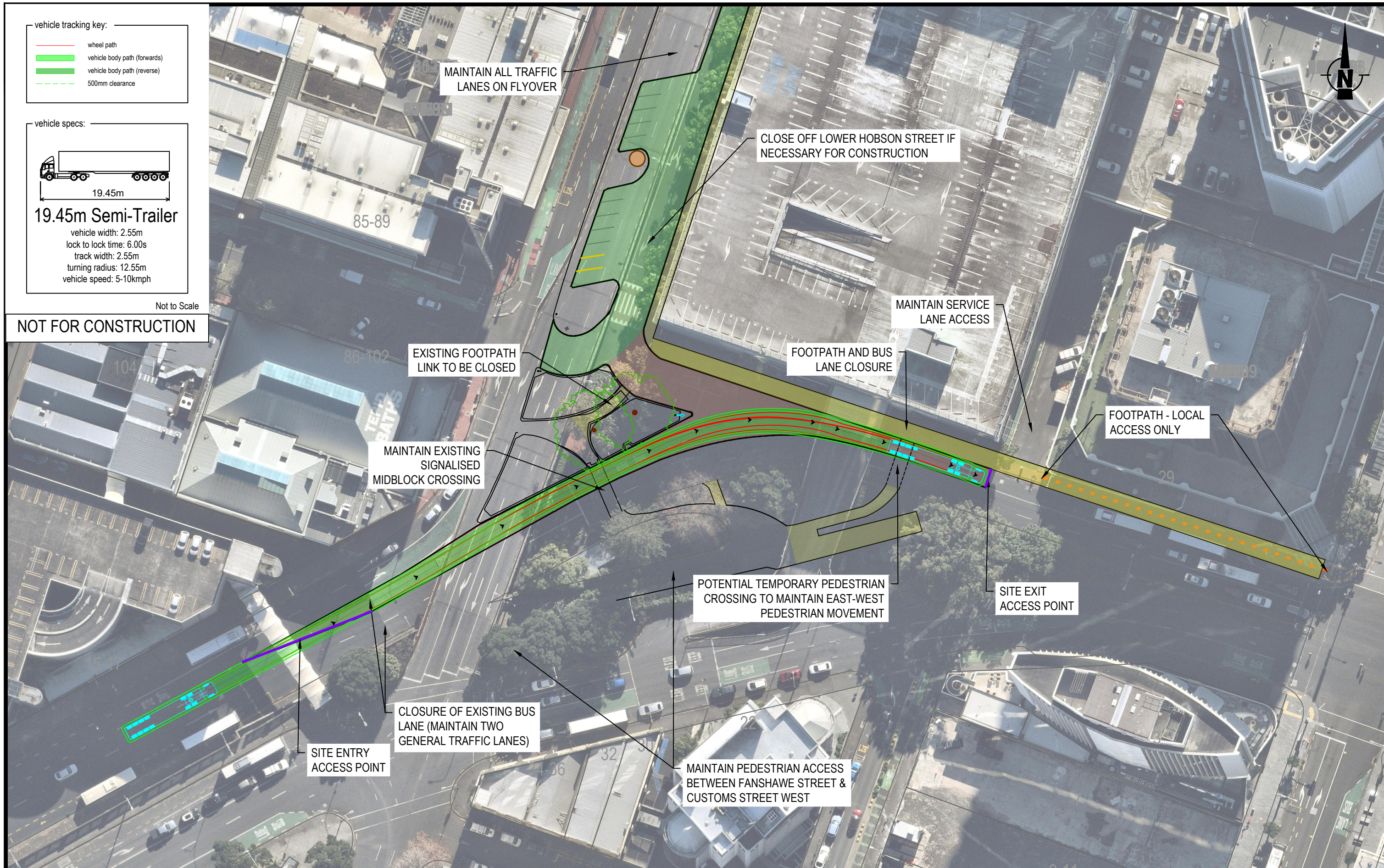
**flow**  
 TRANSPORTATION SPECIALISTS

Level 1, 11 Blake Street, Ponsonby, Auckland | PO Box 47497 Ponsonby  
 p 09 970 3820 | f 09 970 3890 | www.flownz.com



Not to Scale

NOT FOR CONSTRUCTION



REV	AMENDMENT	DATE OF ISSUE	DESIGN: SM	DRAWN: SM	CLIENT: PRECINCT PROPERTIES	SHEET TITLE: CONSTRUCTION OPTION 2	SHEET: 03 of 04
A	First Issue	29/11/2024	CHECKED: HS	DATE: 29/11/2024	PROJECT: DOWNTOWN CARPARK REDEVELOPMENT		
			SCALE: 0 20m		LOCATION: 2 LOWER HOBSON STREET, AUCKLAND CBD		
			1:500 @ A3		NOT FOR CONSTRUCTION	DRAWING NUMBER: PREP002-DC-CON-00	REV: A

**flow**  
TRANSPORTATION SPECIALISTS

Level 1, 11 Blake Street, Ponsonby, Auckland | PO Box 47497 Ponsonby  
p 09 970 3820 | f 09 970 3890 | www.flownz.com