



CYCLE LANE IMPROVEMENTS UPPER HARBOUR DRIVE

SCHEME DESIGN

PREPARED FOR:



SCHEME DESIGN
FOR DISCUSSION
PURPOSES ONLY

PROJECT NUMBER: T22195
JANUARY 2023

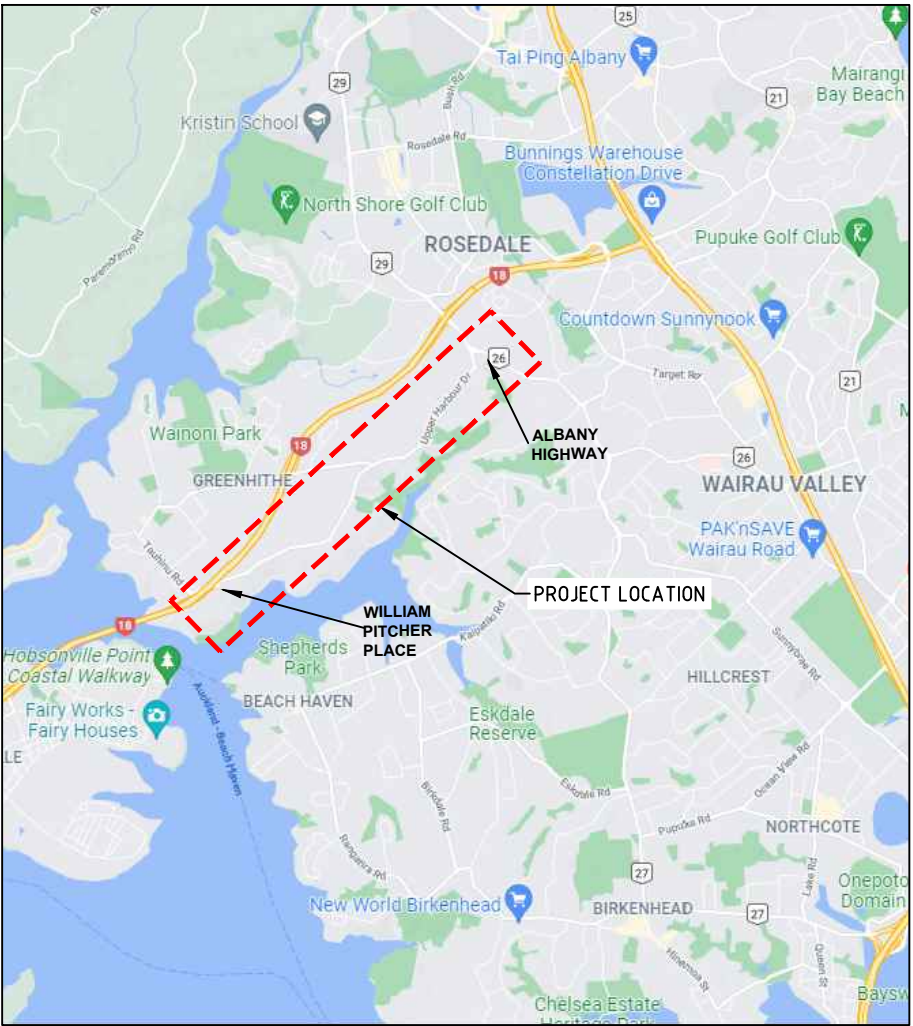
NOT FOR CONSTRUCTION

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DRAWING INDEX			
DRAWING NUMBER	DRAWING TITLE	NO. OF SHEETS	REVISION
0	LOCATION PLAN AND GENERAL NOTES	1	A
201-207	OPTION 5 CONCEPT DESIGN	7	A
301-302	TYPICAL CROSS SECTION	2	A
401-403	RAISED CROSSING PLANS	3	A
501	STANDARD ENGINEERING DETAILS	1	A
TOTAL NUMBER OF SHEETS		14	

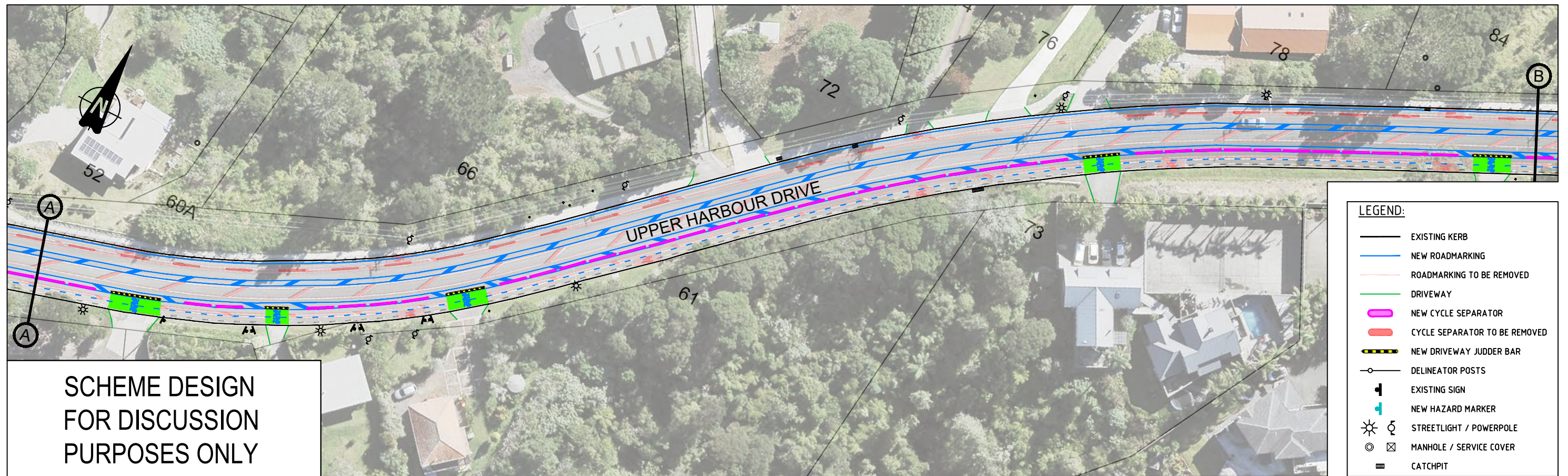
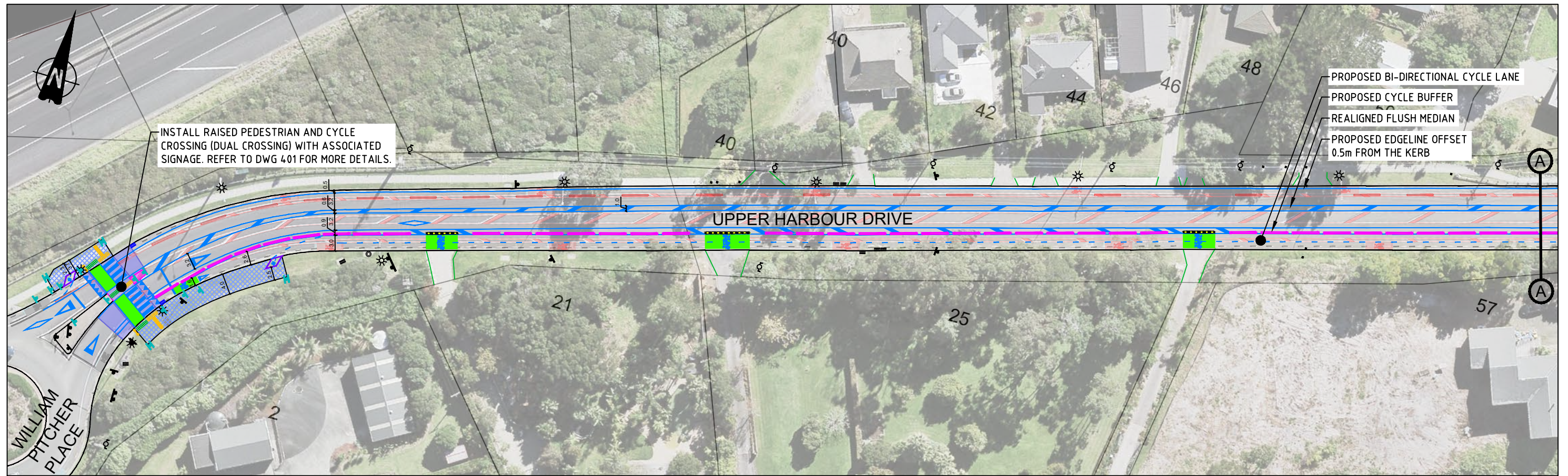
DESIGN NOTES:

1. A BI-DIRECTIONAL CYCLEWAY AND WIDENING THE CYCLE SEPARATOR BUFFERS WOULD PROVIDE ADDITIONAL SEPARATION BETWEEN ON-ROAD CYCLISTS AND TRAFFIC, IMPROVING SAFETY AND AMENITY FOR CYCLISTS.
2. RAISED CYCLE CROSSINGS AT KEY LOCATIONS SHOULD HAVE A TRAFFIC CALMING IMPACT ON MOTORISTS, REDUCING VEHICLE SPEEDS AT THESE LOCATIONS, AND IMPROVING ROAD SAFETY.
3. HAZARD MARKER SIGNS ON LEADING SEPARATORS WILL INCREASE THEIR CONSPICUITY.
4. DOUBLE WIDTH EDGE LINES ALONG WIDER CYCLE LANE BUFFERS WILL INCREASE THE CONSPICUITY OF THE ROAD MARKINGS AND REDUCE THE CHANCES OF CRASHES WITH THE CYCLE SEPARATORS.
5. RED RRPMS ALONG THE BUFFER EDGE LINE WILL INCREASE THEIR CONSPICUITY, REDUCING CRASHES WITH THE CYCLE SEPARATORS.



SCHEME DESIGN

						FOR:	BY:			DRAFT	Drawn RB	Designed BR	Client AUCKLAND TRANSPORT							
						 	 Traffic Engineering Solutions Limited PO Box 7237, Wellesley Street, Auckland 1036 P: 0800 837 583, E: info@tes.net.nz				Drafting Check TF	Design Check BR	Project ROAD MARKING IMPROVEMENTS							
B SECOND ISSUE											Approved									
A FIRST ISSUE											Date 24/01/2023									
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Checked	Approved	Date					Scale NTS		Original Size A3	Project No: T22195	Drawing No: 0	Rev: B				



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- LEGEND:
- EXISTING KERB
 - NEW ROADMARKING
 - ROADMARKING TO BE REMOVED
 - DRIVEWAY
 - NEW CYCLE SEPARATOR
 - CYCLE SEPARATOR TO BE REMOVED
 - NEW DRIVEWAY JUDDER BAR
 - DELINEATOR POSTS
 - EXISTING SIGN
 - NEW HAZARD MARKER
 - STREETLIGHT / POWERPOLE
 - MANHOLE / SERVICE COVER
 - CATCHPIT

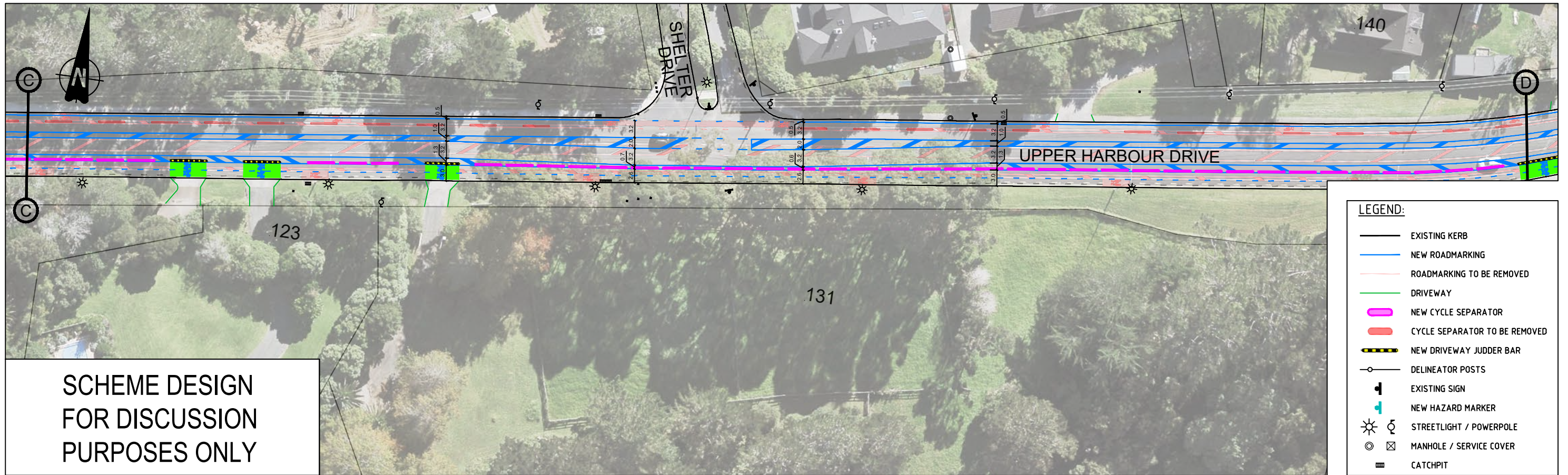
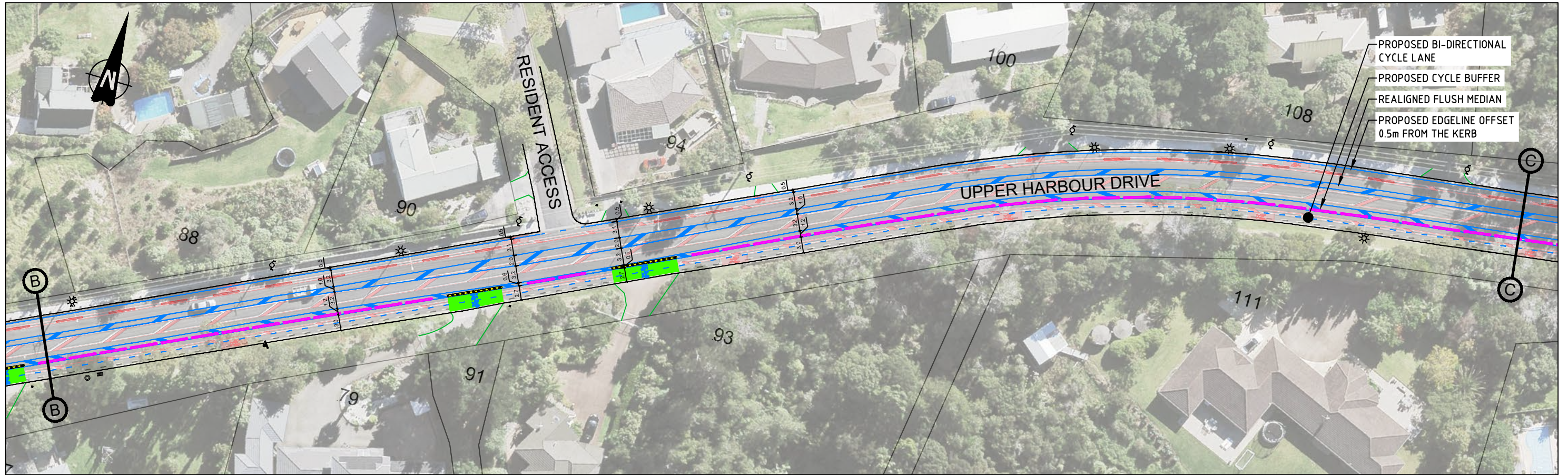
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B	SECOND ISSUE	RB	JD	BR	01/23		
A	FIRST ISSUE	RB	JD	BR	01/23		
No	Revision	Note: * indicates signatures on original issue of drawing or last revision of drawing		Drawn	Checked	Approved	Date



Drawn	RB	Designed	BR
Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:750 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	ROAD MARKING IMPROVEMENTS UPPER HARBOUR DRIVE ROADMARKING PLAN		
Original Size	A3	Project No: T22195	Drawing No: 201 Rev: B



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FOR:



BY:

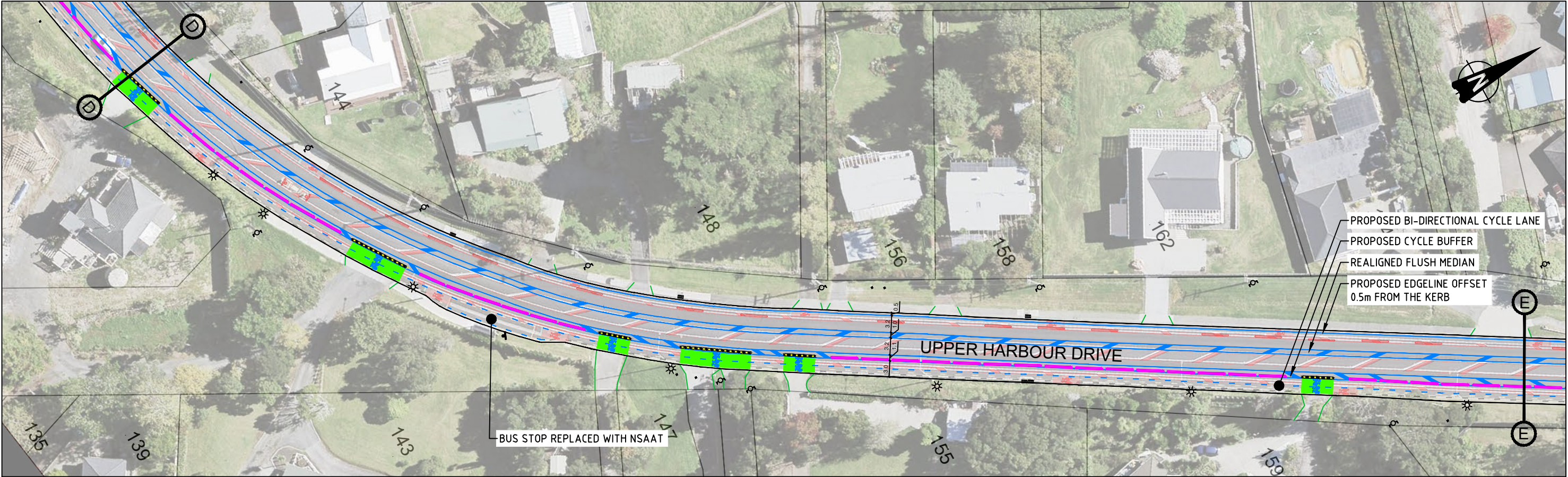


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Approved			
Date	24/01/2023		
Scale	1:750 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	ROAD MARKING IMPROVEMENTS UPPER HARBOUR DRIVE ROADMARKING PLAN		
Original Size	A3	Project No: T22195	Drawing No: 202
			Rev: B



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Plot Date: 24 January 2023 - 4:41 pm Cad File No: G:\Traffic Projects\T22 Projects\T22195 Upper Harbour Drive - Bi-Directional Cycle Lane - Scheme Design\AutoCAD\AutoCAD Files\Upper Harbour Drive - Scheme Design.dwg

FOR:



BY:



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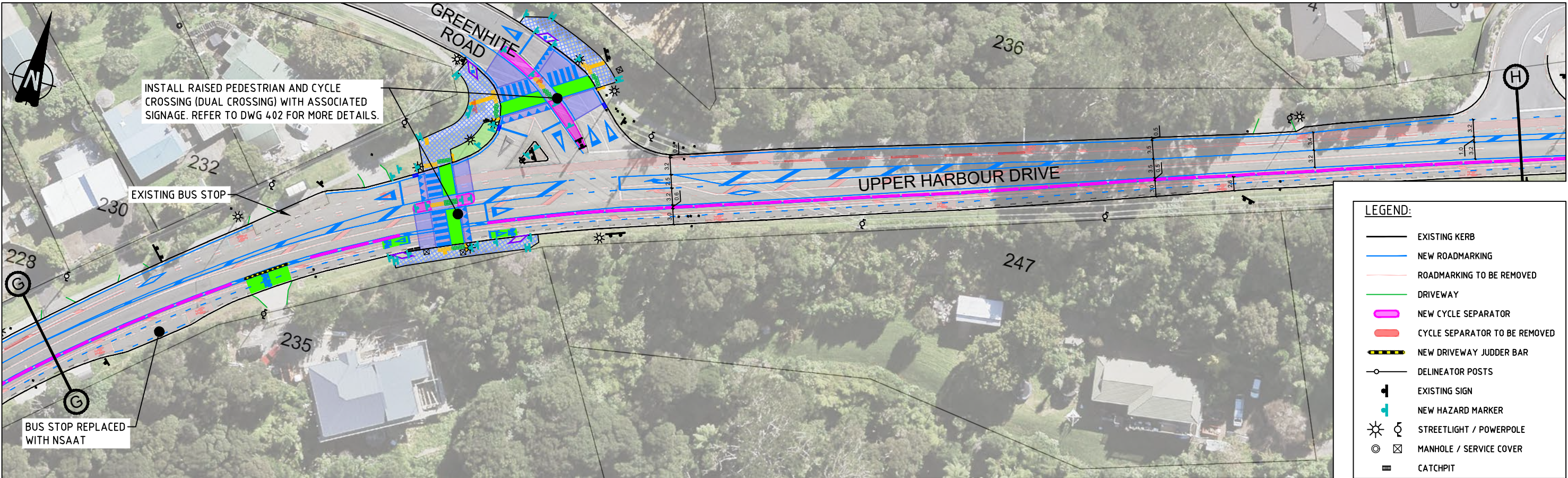
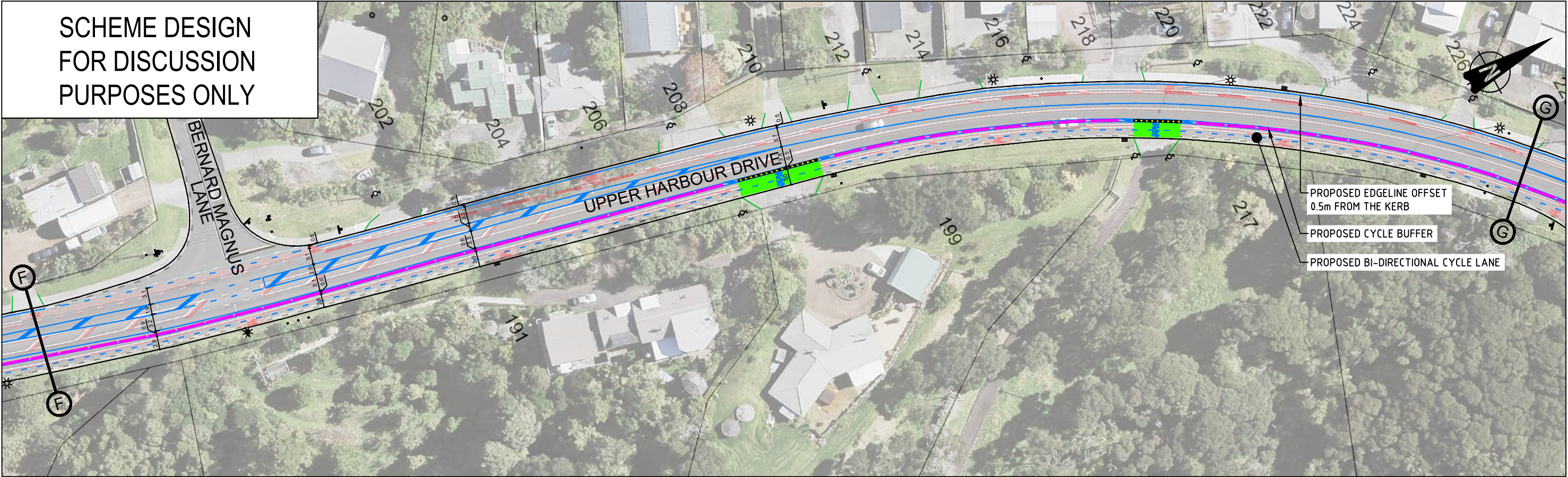


Drawn	RB	Designed	BR
Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:750 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**
Project **ROAD MARKING IMPROVEMENTS UPPER HARBOUR DRIVE ROADMARKING PLAN**

Original Size **A3** Project No: **T22195** Drawing No: **203** Rev: **B**

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- LEGEND:
- EXISTING KERB
 - NEW ROADMARKING
 - ROADMARKING TO BE REMOVED
 - DRIVEWAY
 - NEW CYCLE SEPARATOR
 - CYCLE SEPARATOR TO BE REMOVED
 - NEW DRIVEWAY JUDDER BAR
 - DELINEATOR POSTS
 - EXISTING SIGN
 - NEW HAZARD MARKER
 - STREETLIGHT / POWERPOLE
 - MANHOLE / SERVICE COVER
 - CATCHPIT

SCHEME DESIGN

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FOR:

Auckland Transport
An Auckland Council Organisation

AT

BY:

TRAFFIC ENGINEERING SOLUTIONS LIMITED

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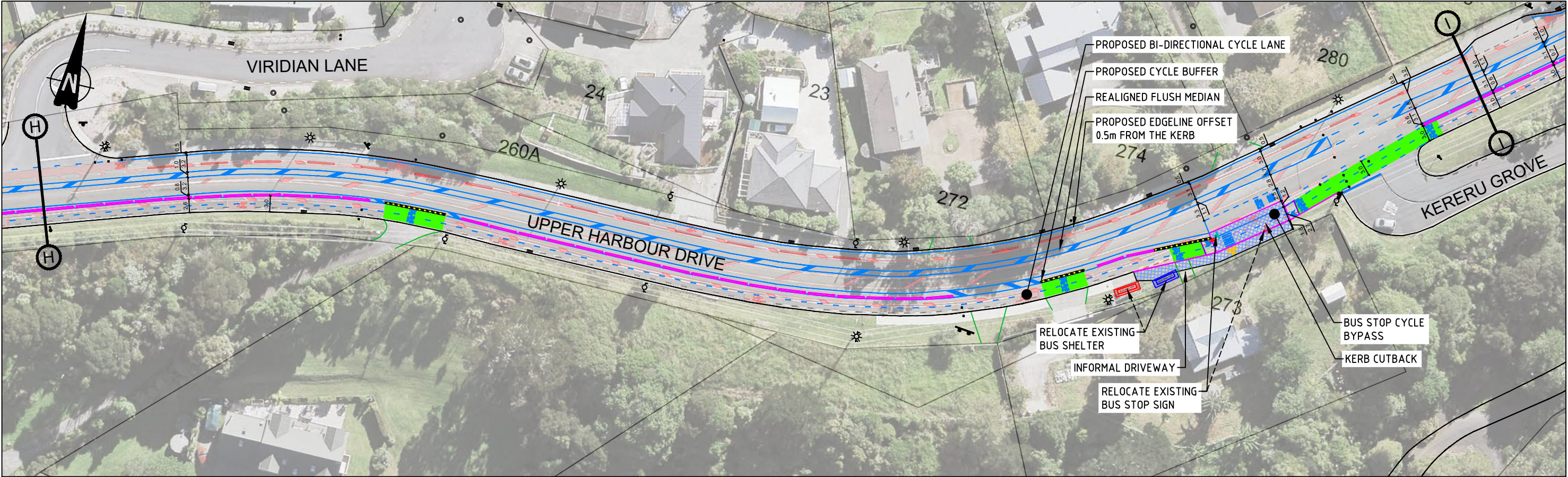


Drawn	RB	Designed	BR
Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:750 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**

Project **ROAD MARKING IMPROVEMENTS
UPPER HARBOUR DRIVE
ROADMARKING PLAN**

Original Size **A3** Project No: **T22195** Drawing No: **204** Rev: **B**



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Auckland Transport
An Auckland Council Organisation

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TRAFFIC ENGINEERING SOLUTIONS LIMITED

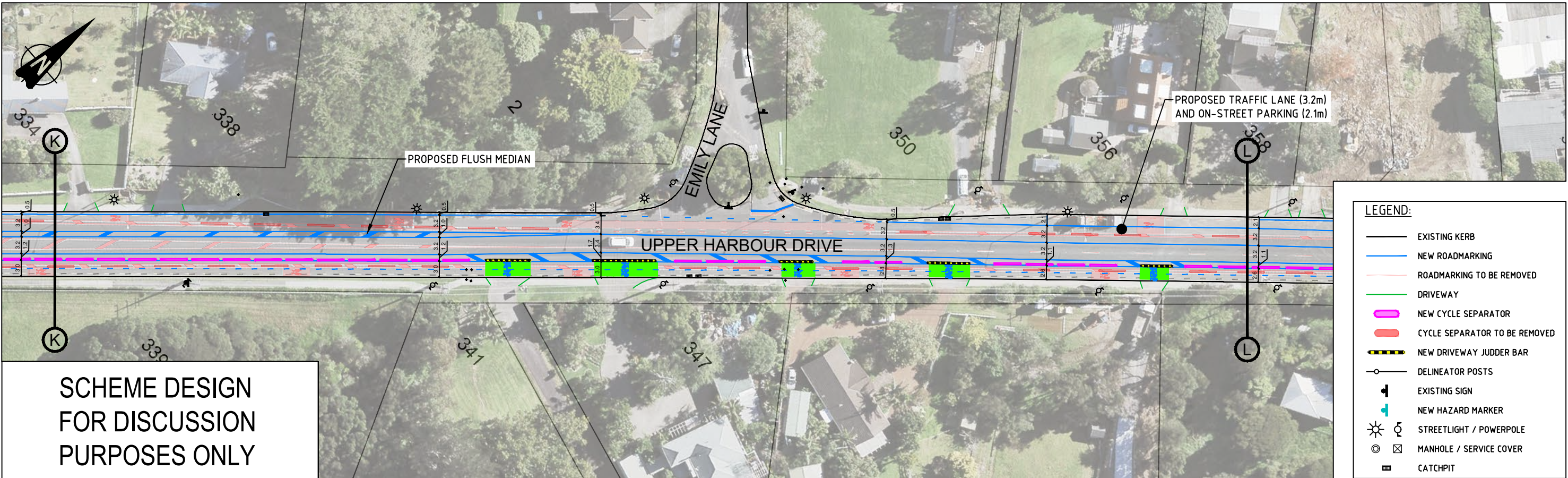
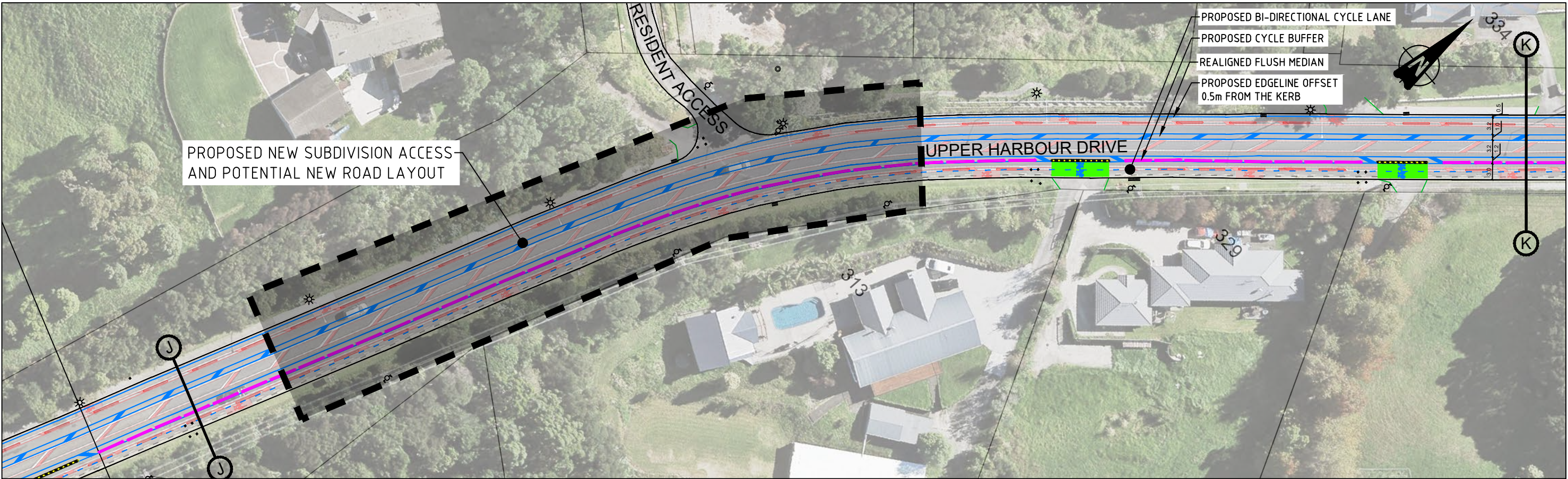
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Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:750 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**
Project **ROAD MARKING IMPROVEMENTS
UPPER HARBOUR DRIVE
ROADMARKING PLAN**

Original Size **A3** Project No: **T22195** Drawing No: **205** Rev: **B**



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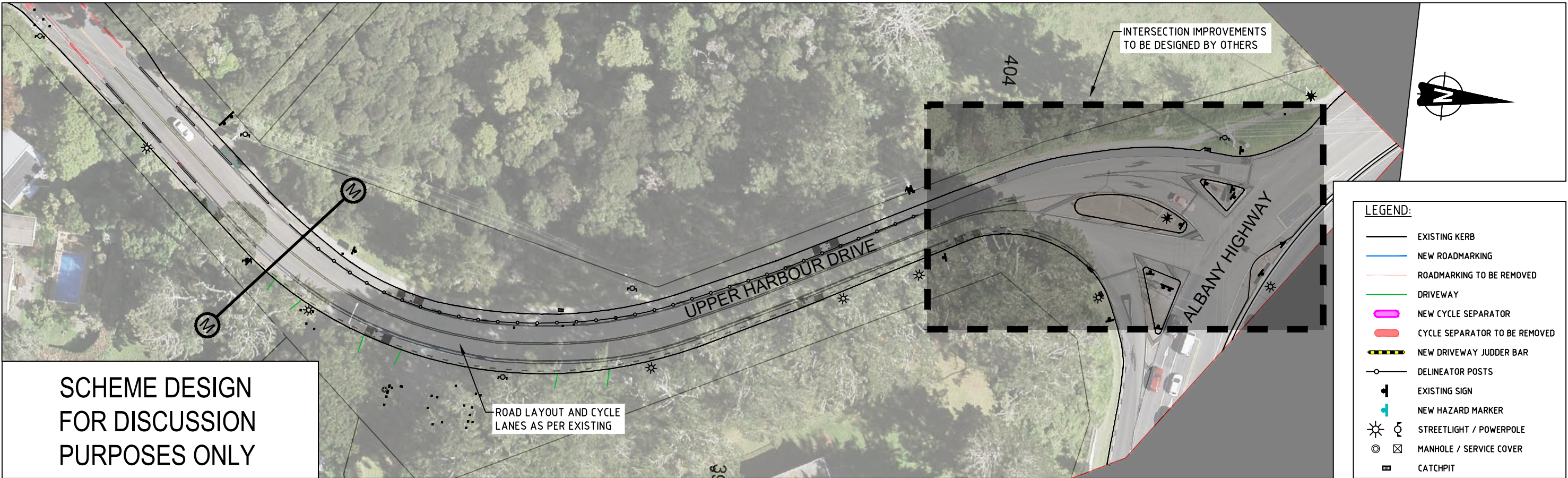
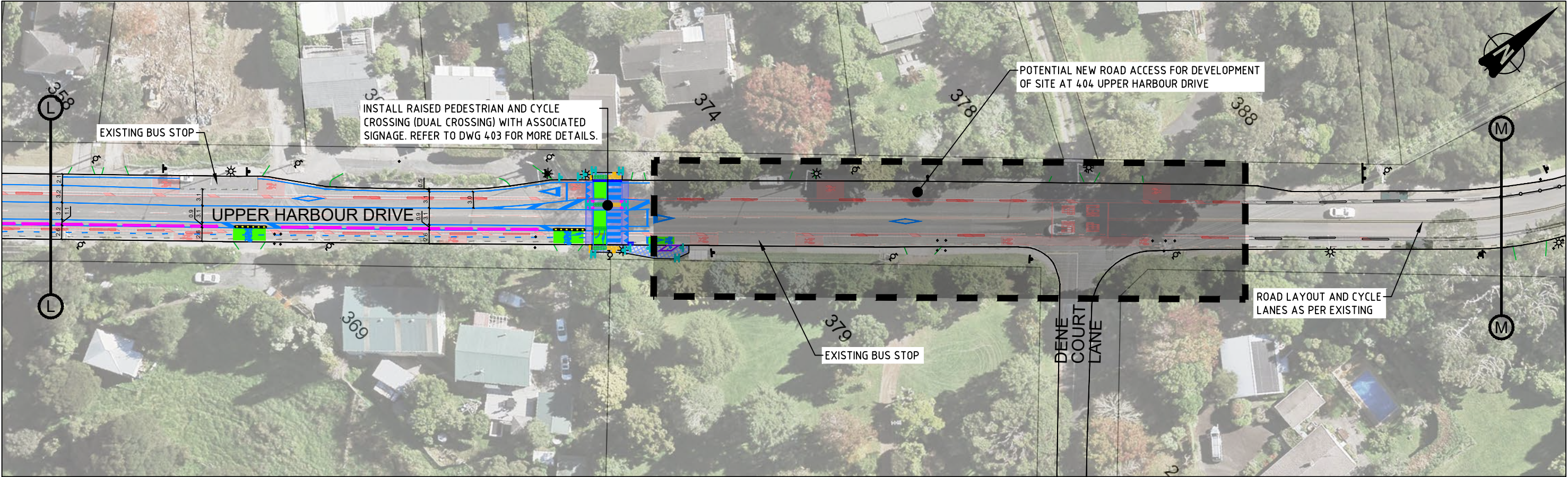
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A	FIRST ISSUE	RB	JD	BR	01/23		
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Drawn	RB	Designed	BR
Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:750 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	ROAD MARKING IMPROVEMENTS UPPER HARBOUR DRIVE ROADMARKING PLAN		
Original Size	A3	Project No:	T22195
Drawing No:	206	Rev:	B

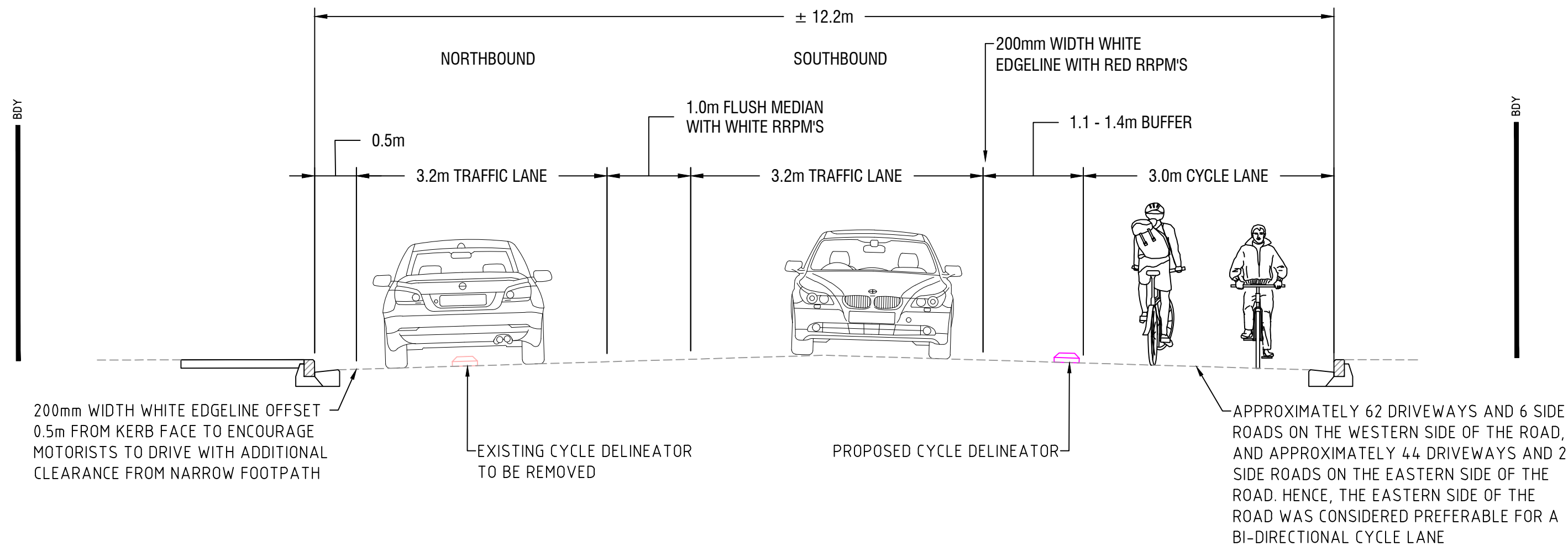


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				FOR:		BY:									
				Auckland Transport		Traffic Engineering Solutions Limited		0 7.5 15 22.5m		Drawn RB		Designed BR		Client	
				An Auckland Council Organisation		PO Box 7237, Wellesley Street, Auckland 1036		SCALE 1:750 @ A3 SIZE		Drafting Check TF		Design Check BR		Project	
						P: 0800 837 583, E: info@tes.net.nz				Approved				Auckland Transport	
										Date 24/01/2023				Road Marking Improvements	
										Scale 1:750 @ A3 SIZE				Upper Harbour Drive	
														Roadmarking Plan	
														A3 Project No: T22195	
														Drawing No: 207	
														Rev: B	

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BI-DIRECTIONAL CYCLE LANE (SOUTHERN END)



G TYPICAL PROPOSED CROSS SECTION (SOUTHERN END) – BI-DIRECTIONAL CYCLE LANE WITH FLUSH MEDIAN
NTS

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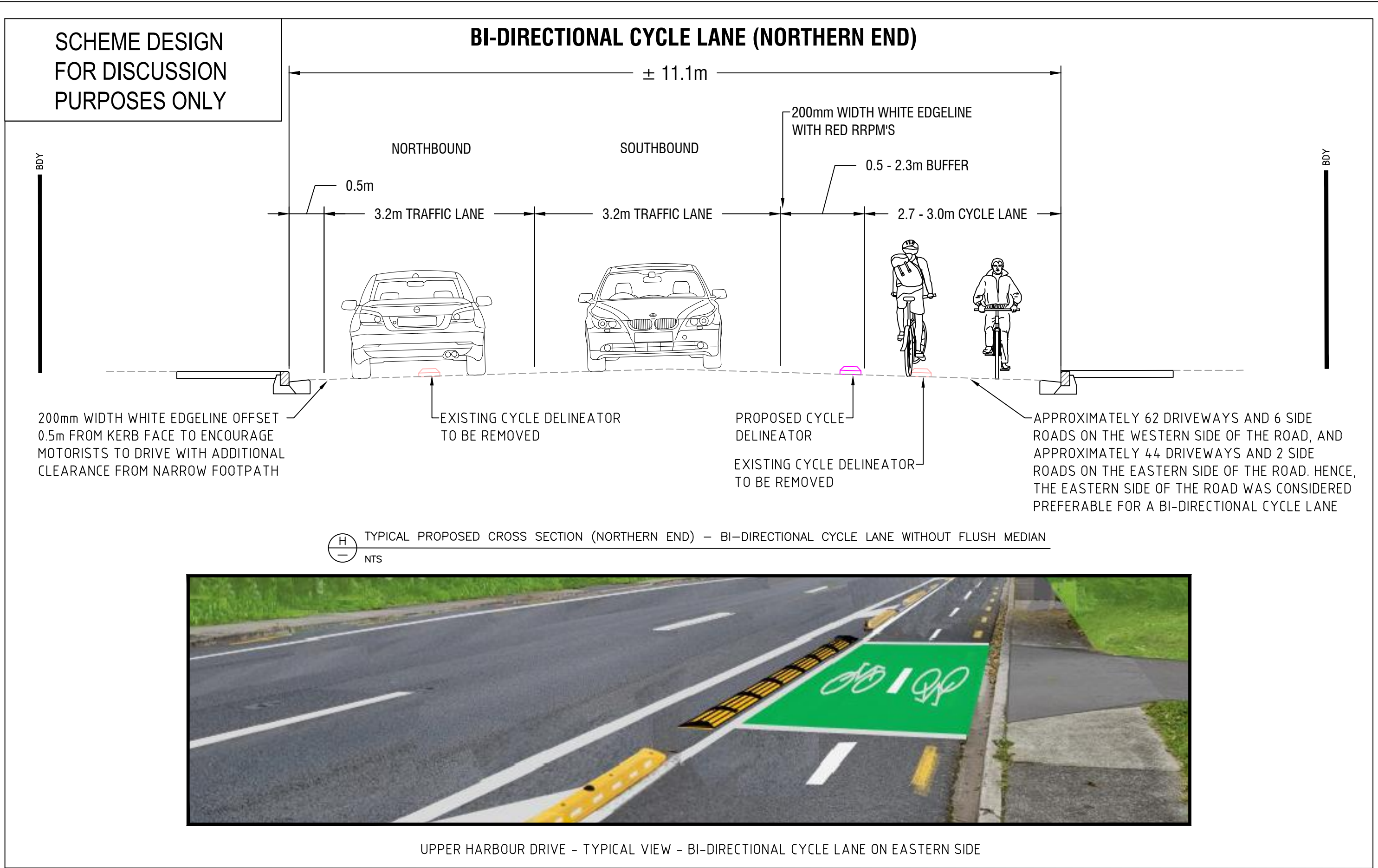


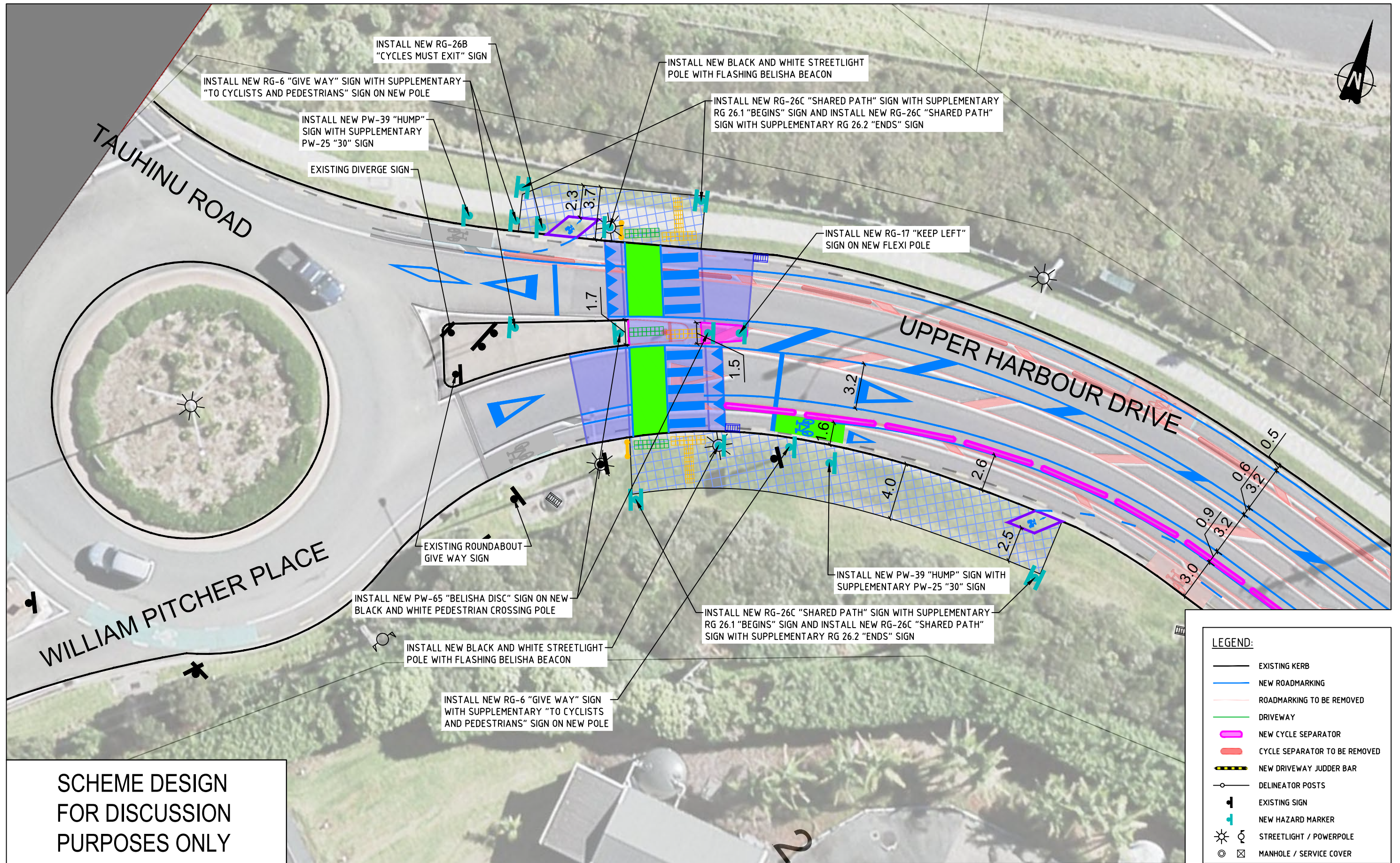
BY:



Drawn	RB	Designed	BR
Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	NTS		

Client	AUCKLAND TRANSPORT		
Project	ROAD MARKING IMPROVEMENTS UPPER HARBOUR DRIVE TYPICAL CROSS SECTION		
Original Size	A3	Project No: T22195	Drawing No: 301
Rev:	B		





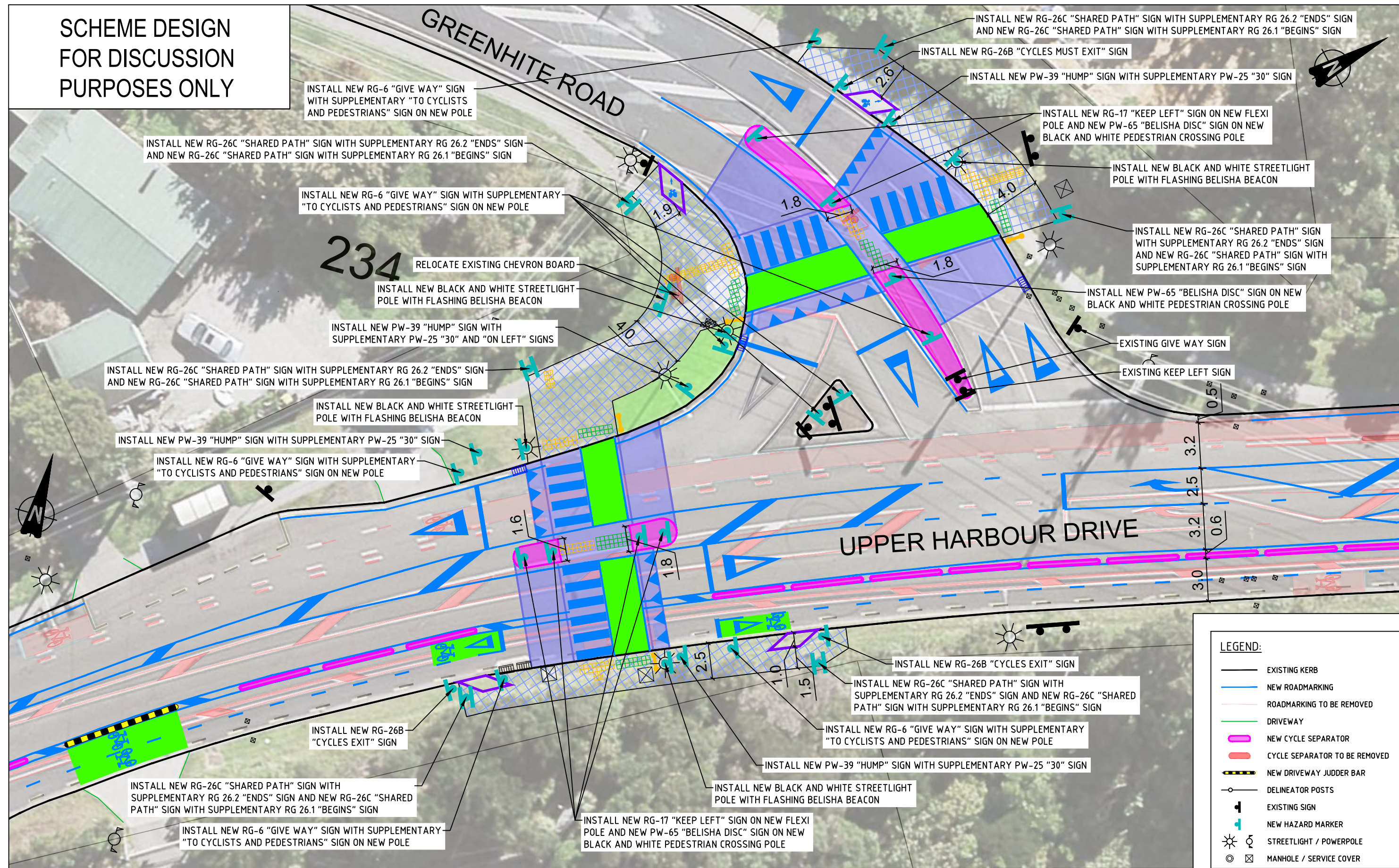
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	ROADMARKING TO BE REMOVED
	DRIVEWAY
	NEW CYCLE SEPARATOR
	CYCLE SEPARATOR TO BE REMOVED
	NEW DRIVEWAY JUDDER BAR
	DELINEATOR POSTS
	EXISTING SIGN
	NEW HAZARD MARKER
	STREETLIGHT / POWERPOLE
	MANHOLE / SERVICE COVER

SCHEME DESIGN

					FOR:		BY:									
					Auckland Transport		Traffic Engineering Solutions Limited		Scale 1:250 @ A3 SIZE		Drawn RB		Designed BR		Client Auckland Transport	
					An Auckland Council Organisation		PO Box 7237, Wellesley Street, Auckland 1036				Drafting Check TF		Design Check BR		Project Road Marking Improvements	
					Date 01/23		P: 0800 837 583, E: info@tes.net.nz				Approved				Upper Harbour Drive	
					Date 01/23						Date 24/01/2023				Raised Crossing Plan (Sheet 1 of 3)	
					Drawn RB						Scale 1:250 @ A3 SIZE				Original Size A3	
					Checked JD										Project No: T22195	
					Approved BR										Drawing No: 401	
					Date 01/23										Rev: B	

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LEGEND:

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FOR:

Auckland Transport
An Auckland Council Organisation

AT

BY:

TRAFFIC ENGINEERING SOLUTIONS LIMITED

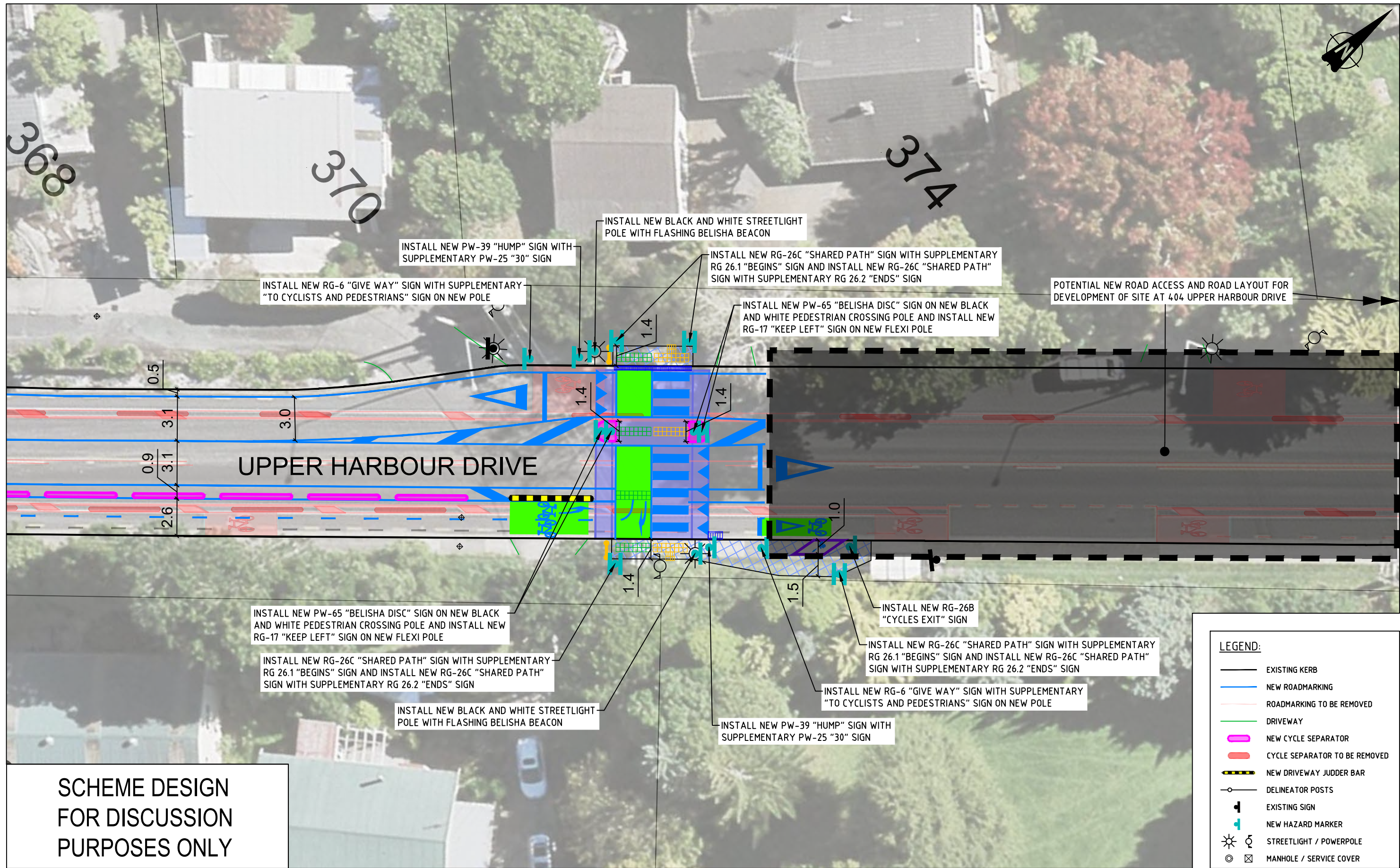
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Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:250 @ A3 SIZE		

Client **AUCKLAND TRANSPORT**
Project **ROAD MARKING IMPROVEMENTS
UPPER HARBOUR DRIVE
RAISED CROSSING PLAN (SHEET 2 OF 3)**

Original Size **A3** Project No: **T22195** Drawing No: **402** Rev: **B**



B	SECOND ISSUE	RB	JD	BR	01/23		
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Drawn	RB	Designed	BR
Drafting Check	TF	Design Check	BR
Approved			
Date	24/01/2023		
Scale	1:250 @ A3 SIZE		

Client	AUCKLAND TRANSPORT		
Project	ROAD MARKING IMPROVEMENTS UPPER HARBOUR DRIVE RAISED CROSSING PLAN (SHEET 3 OF 3)		
Original Size	A3	Project No: T22195	Drawing No: 403 Rev: B