





ISO 9001
QUALITY
ASSURED

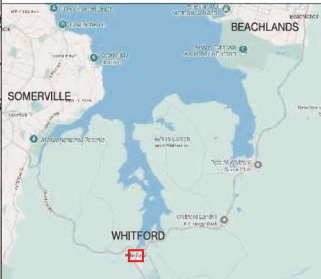
T-B: DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL EXISTING ROAD FEATURES BASED ON TOPO SURVEY

LEGEND

- PROPERTY BOUNDARY
- EXISTING ROAD FEATURES
- EXISTING TREE DRIPLINE



A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WHITFORD RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 1 OF 7

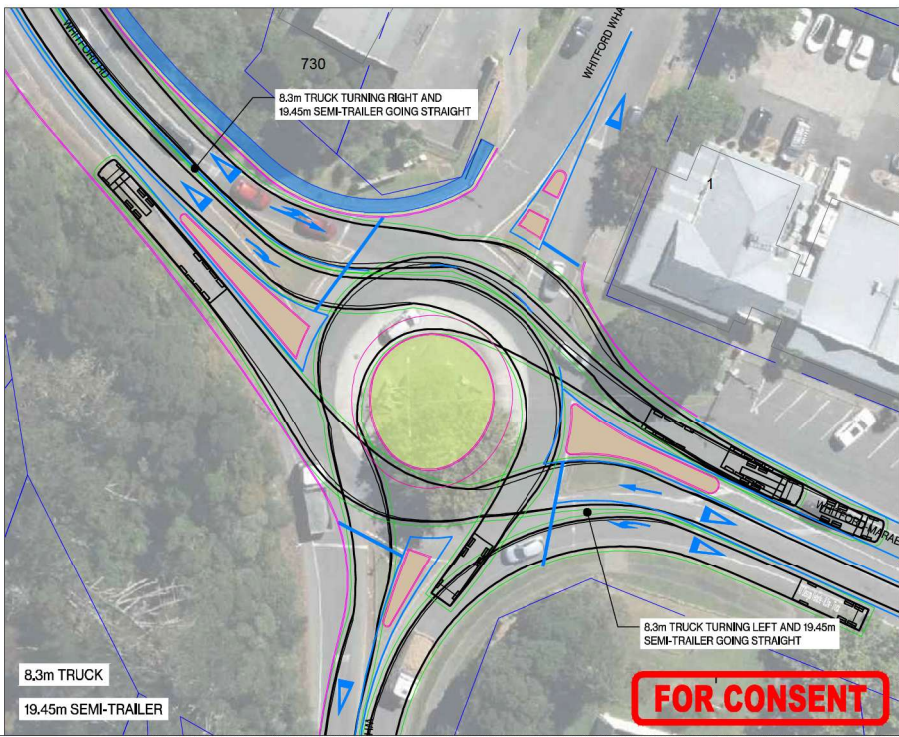
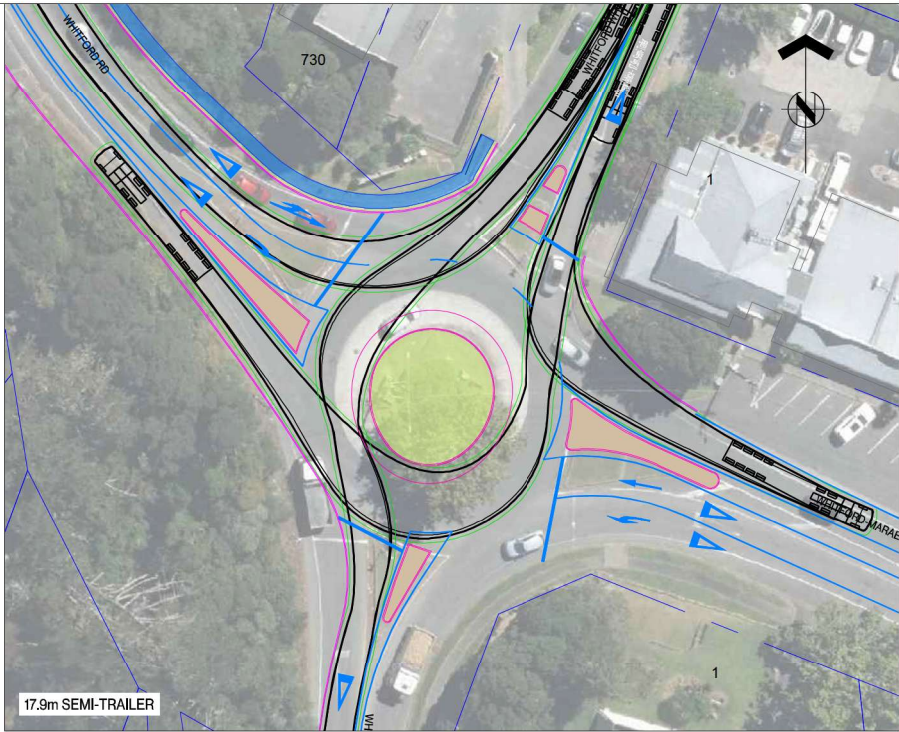
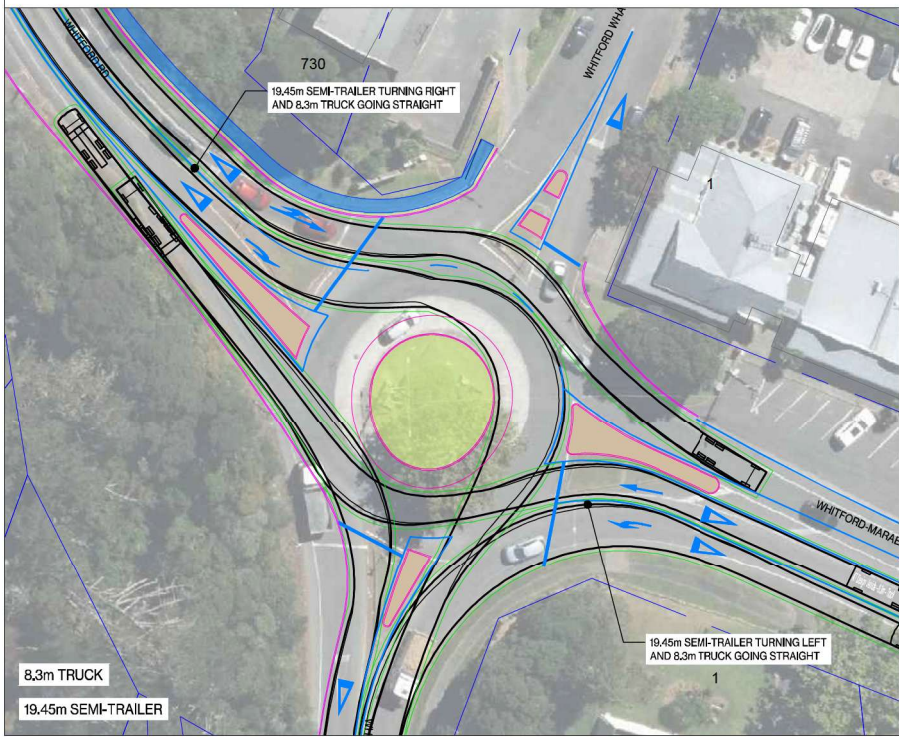
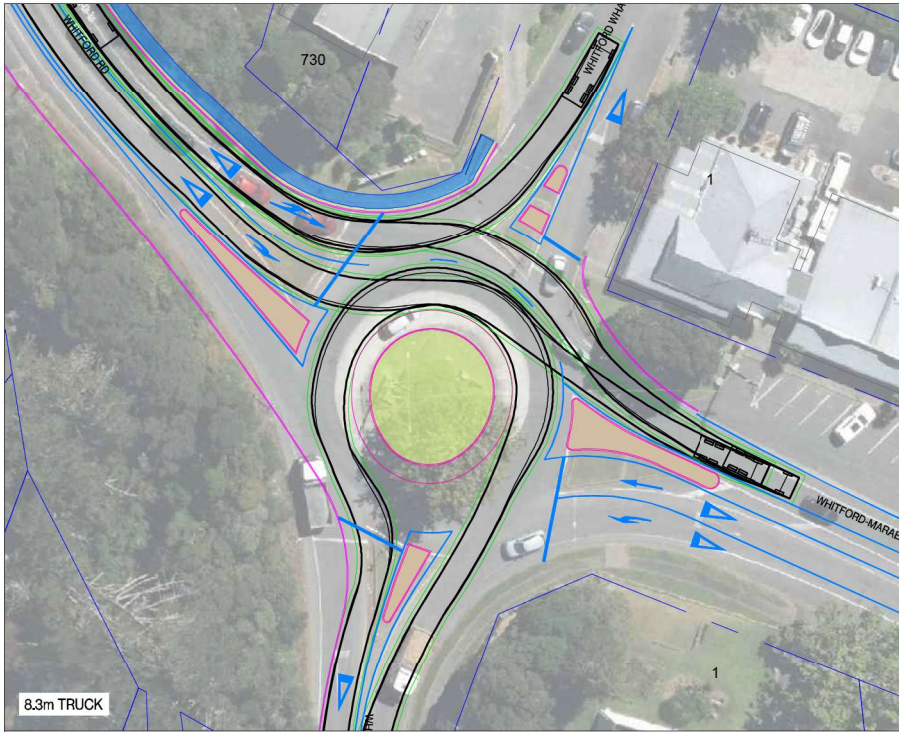
ORIGINATOR	DATE: 06/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 06/2026	SIGNED:	PLOT DATE:
MP			05/06/26
CHECKED:	DATE: 06/2026	SIGNED:	SURVEY BY:
QXB			HG
APPROVED:	DATE: 06/2026	SIGNED:	SURVEY DATE:
QXB			01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:500 A3 1:1000	REV
DRAWING No:		REV
A2515591.00-3500		A

FOR CONSENT





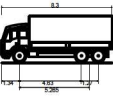
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

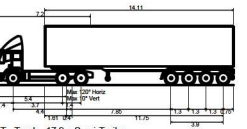
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

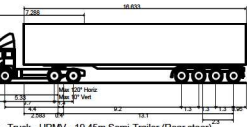
- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE.



AT - Truck - 8.3m Truck
Overall Length 8.300m
Overall Width 2.550m
Overall Body Height 3.477m
Min Body Ground Clearance 0.373m
Track Width 2.550m
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 40.20°



AT - Truck - 17.9m Semi-Trailer
Overall Length 17.900m
Overall Width 2.550m
Overall Body Height 4.371m
Min Body Ground Clearance 0.371m
Track Width 2.550m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 12.500m



AT - Truck - HPMV - 19.45m Semi-Trailer (Rear steer)
Overall Length 19.300m
Overall Width 2.550m
Overall Body Height 4.399m
Min Body Ground Clearance 0.371m
Track Width 2.550m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 12.500m

REF	REVISIONS	MP	DATE
A	FOR CONSENT	MP	06/2026

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE: WHITFORD RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 4 OF 7

OPERATOR	DATE	SIGNED	PLOT BY
MP	06/2026		MP

DRAWN	DATE	SIGNED	PLOT DATE
MP	06/2026		05/06/26

CHECKED	DATE	SIGNED	SURVEY BY
QXB	06/2026		HG

APPROVED	DATE	SIGNED	SURVEY DATE
QXB	06/2026		01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:300 A3 1:600	

DRAWING No:	REV
A2515591.00-3503	A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

- PROPERTY BOUNDARY
- APPROACHING SIGHT DISTANCE
- SIGHT LINE

AUSTROAD REQUIREMENT

APPROACH SIGHT DISTANCE (ASD)				
	DESIGN SPEED (km/h)	GRADE (%)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	60	-7.1	82.4	PASS
V2	20	0	15.5	PASS
V3	60	0	72.7	PASS
V4	60	0	72.7	PASS

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE



AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE: WHITFORD RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 5 OF 7

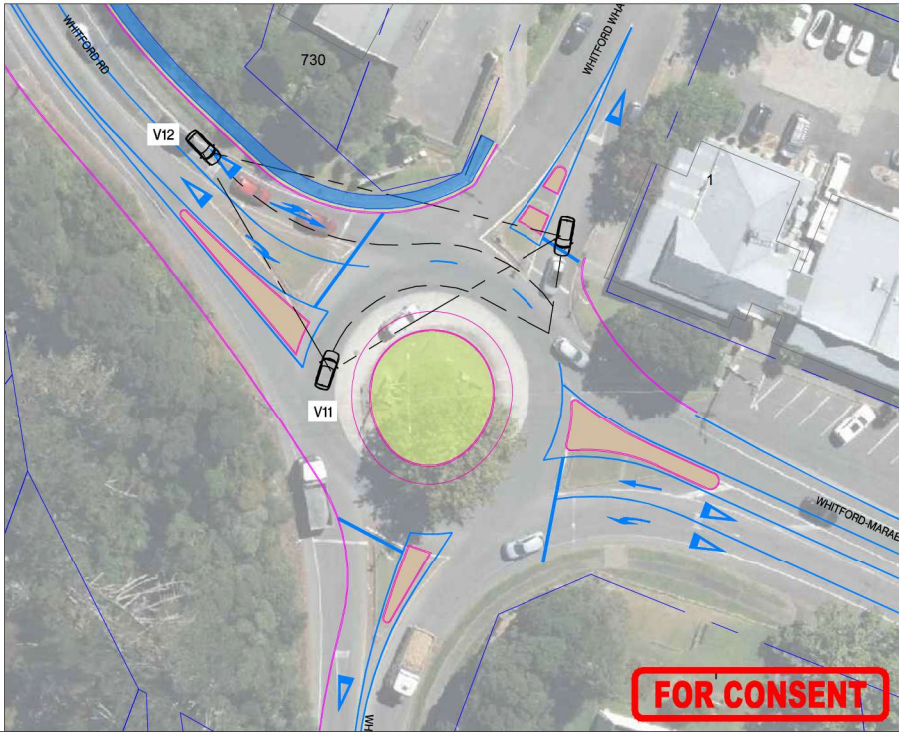
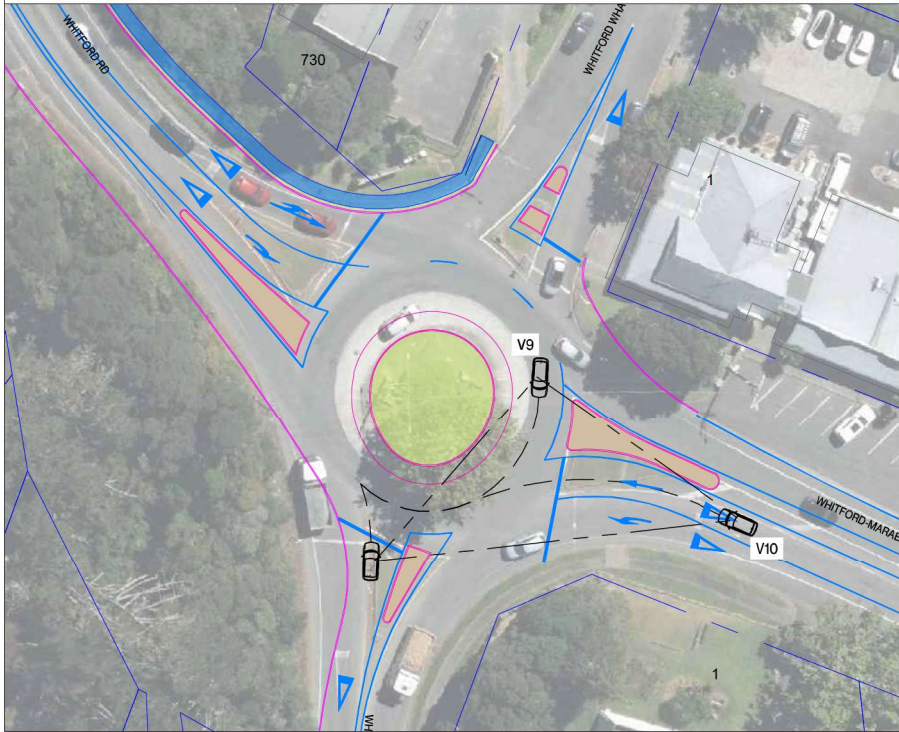
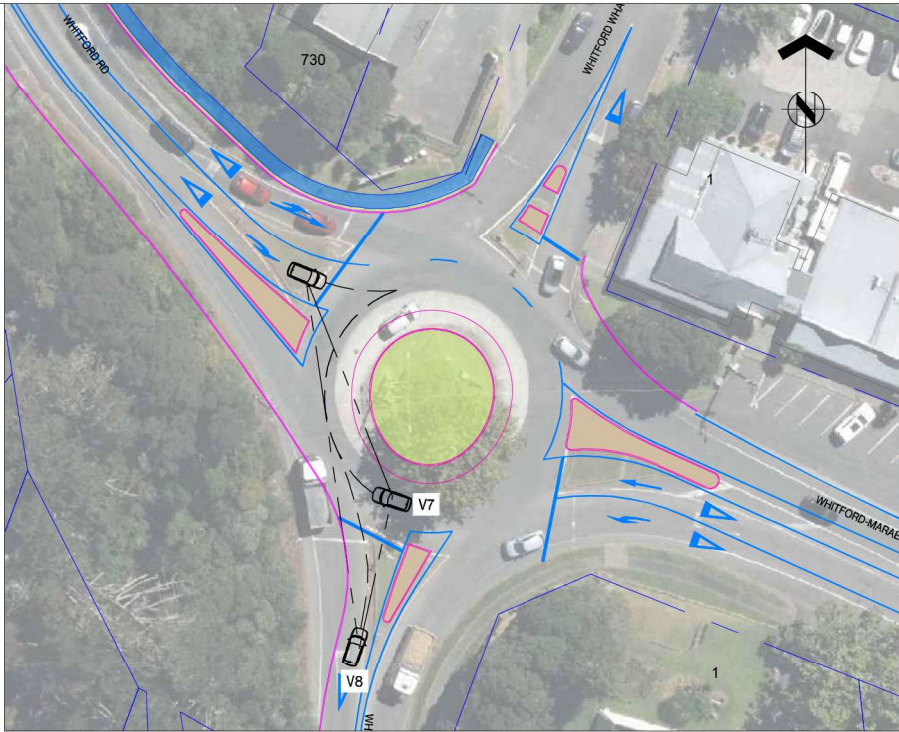
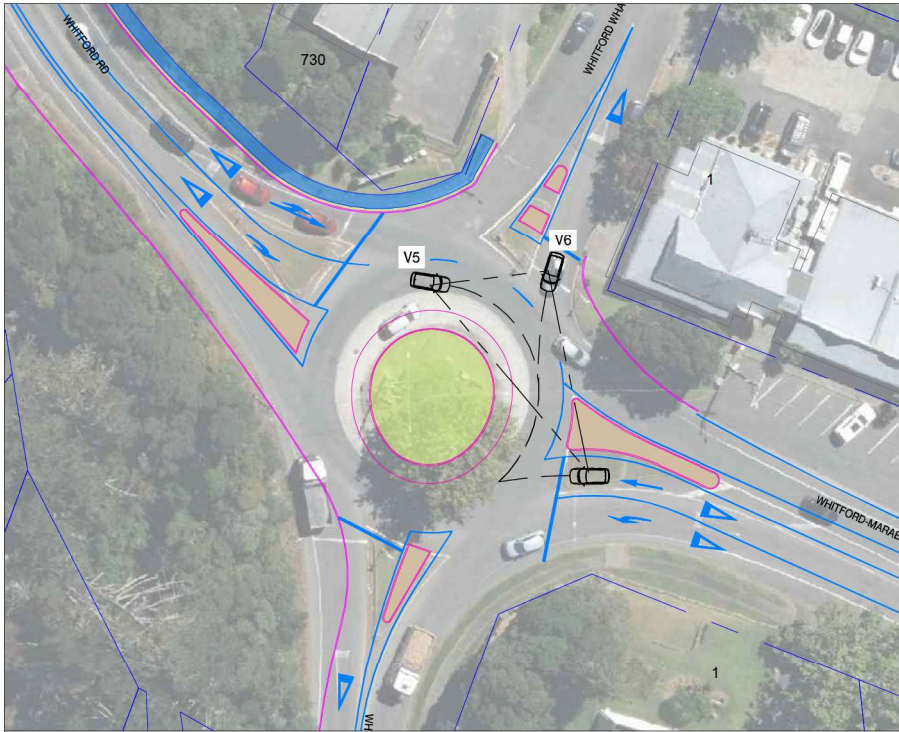
ORIGINATOR: MP	DATE: 06/2026	SIGNED:	PLOT BY: MP
DRAWN: MP	DATE: 06/2026	SIGNED:	PLOT DATE: 05/06/26
CHECKED: QXB	DATE: 06/2026	SIGNED:	SURVEY BY: HG
APPROVED: QXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:400 A3 1:800	REV
DRAWING No:		REV

A2515591.00-3504 A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- VISIBILITY ASSESSMENT SHOWING CRITERION 2 SIGHT DISTANCE FOR ARTERIAL ROAD ROUNDABOUT.
- CRITERION 2 SIGHT DISTANCE BASED ON AGRD PART 4B TABLE 3.1.

LEGEND

- PROPERTY BOUNDARY
- APPROACHING SIGHT DISTANCE
- SIGHT LINE

AGRD PART 4B REQUIREMENT			
CRITERION 2 SIGHT DISTANCE			
	85TH%ILE SPEED (km/h)	SIGHT DISTANCE REQUIREMENT (m)	PASS OR FAIL
V5	20	28	PASS
V6	20	22	PASS
V7	20	28	PASS
V8	30	42	PASS
V9	20	28	PASS
V10	30	42	PASS
V11	20	28	PASS
V12	30	42	PASS

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
WHITFORD RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 6 OF 7

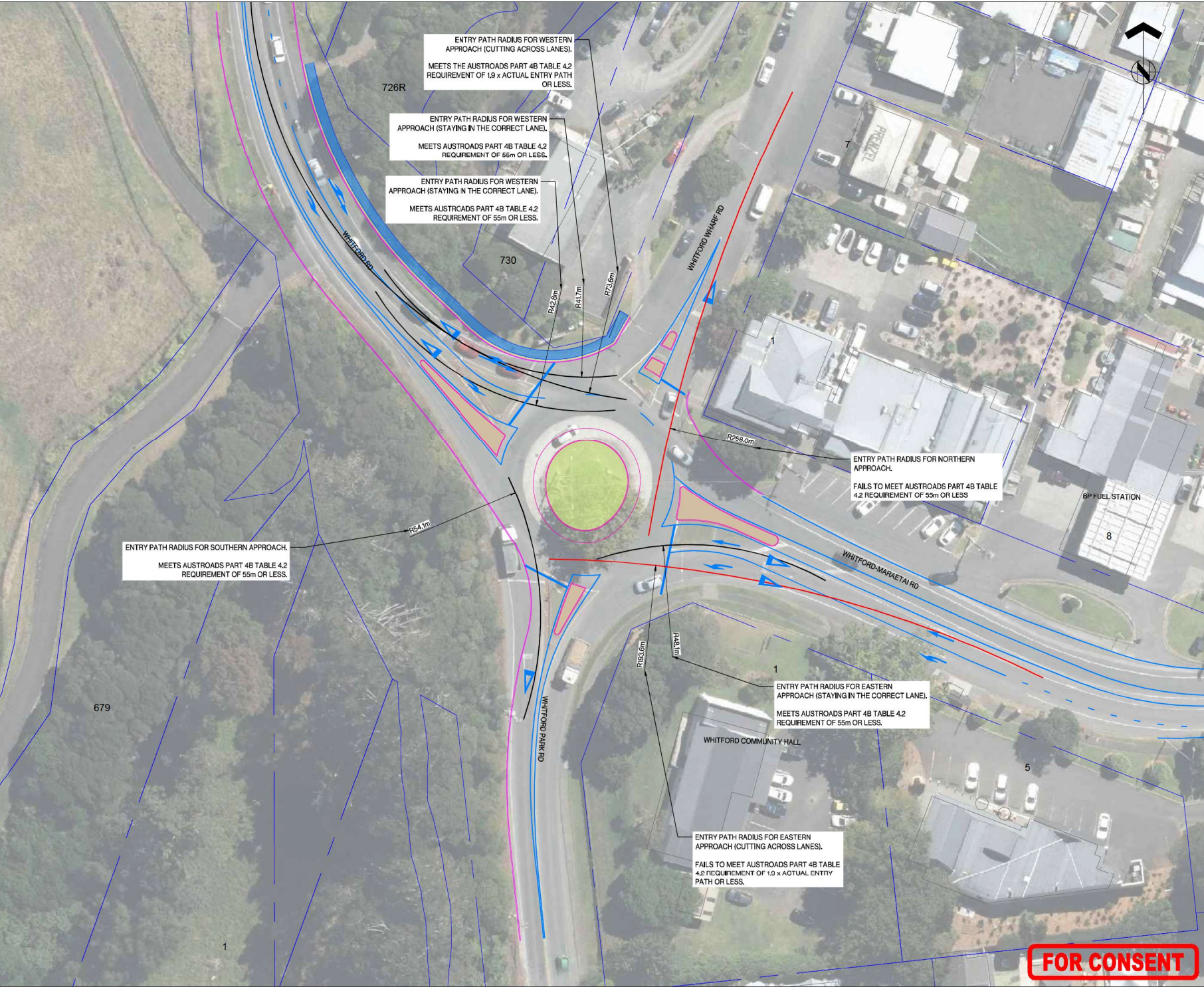
ORIGINATOR MP	DATE: 06/2026	SIGNED:	PLOT BY:	MP
DRAWN: MP	DATE: 06/2026	SIGNED:	PLOT DATE:	05/06/26
CHECKED: QXB	DATE: 06/2026	SIGNED:	SURVEY BY:	HG
APPROVED: QXB	DATE: 06/2026	SIGNED:	SURVEY DATE:	01/2026

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:300 A3 1:600	REV A1
DRAWING No: A2515591.00-3505		REV A

FOR CONSENT

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES. File Path: C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON\US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01\DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3505 WHITFORD RBT.DWG





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

- PROPERTY BOUNDARY
- MEETS ENTRY PATH RADIUS REQUIREMENTS
- FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE



AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: **WHITFORD RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 7 OF 7**

ORIGINATOR MP	DATE: 06/2026	SIGNED:	PLOT BY:	MP
DRAWN: MP	DATE: 06/2026	SIGNED:	PLOT DATE:	05/06/26
CHECKED: QXB	DATE: 06/2026	SIGNED:	SURVEY BY:	HG
APPROVED: QXB	DATE: 06/2026	SIGNED:	SURVEY DATE:	01/2026

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515591.00	SCALE: A1 1:300 A3 1:600	REV
DRAWING No:		REV

A2515591.00-3506 A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL EXISTING ROAD FEATURES BASED ON TOPO SURVEY

LEGEND

- PROPERTY BOUNDARY
- EXISTING ROAD FEATURES
- EXISTING TREE DRIPLINE



A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 1 OF 7

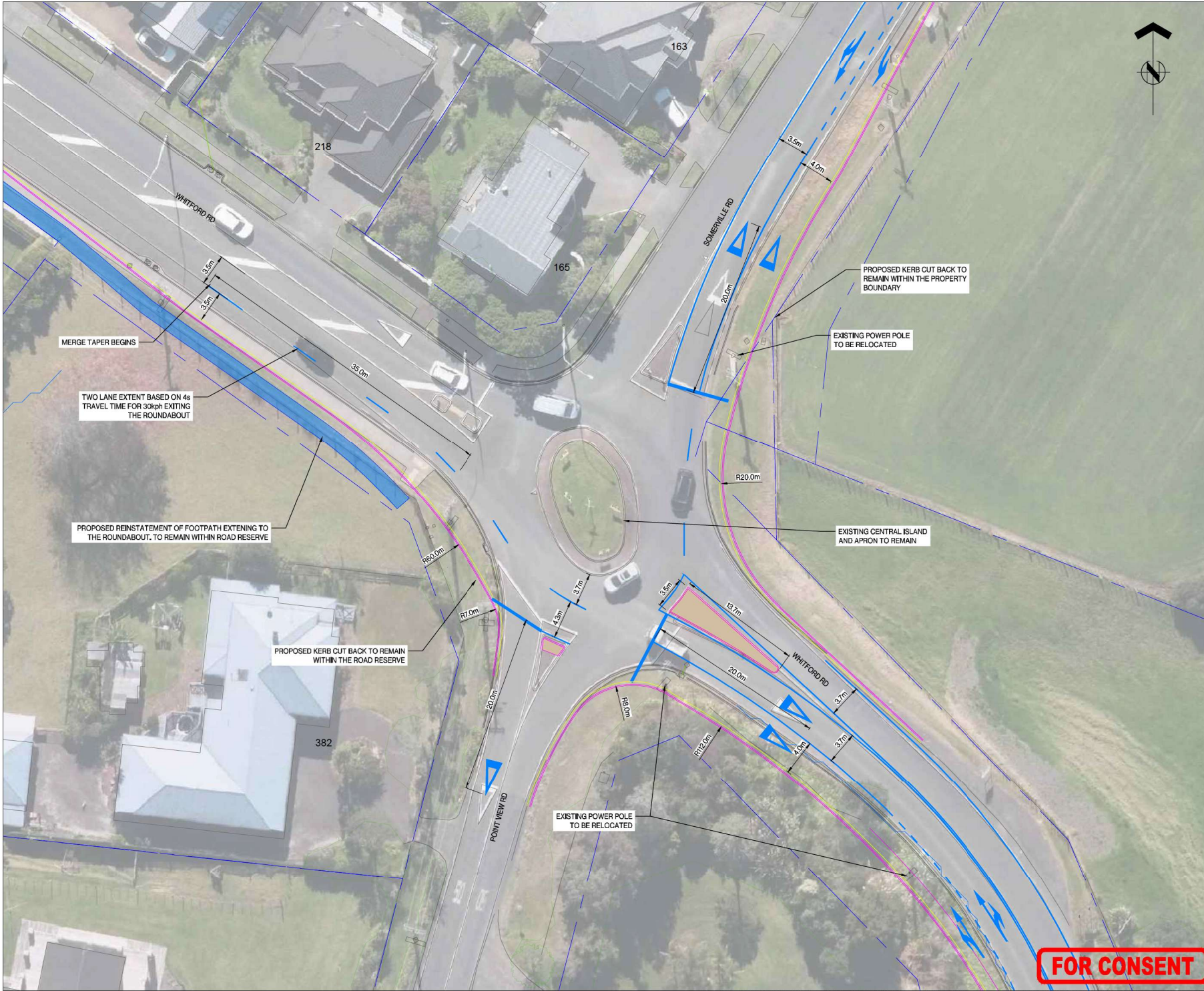
ORIGINATOR	DATE: 06/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 06/2026	SIGNED:	PLOT DATE:
MP			05/06/26
CHECKED:	DATE: 06/2026	SIGNED:	SURVEY BY:
QXB			HG
APPROVED:	DATE: 06/2026	SIGNED:	SURVEY DATE:
QXB			01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:500 A3 1:1000	
DRAWING No:	REV	
A2515591.00-3510	A	

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

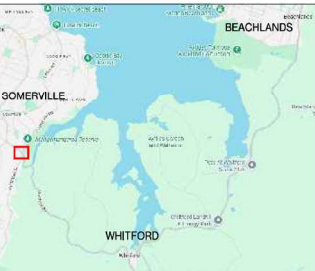
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

- PROPERTY BOUNDARY
- PROPOSED WHITE ROADMARKING
- PROPOSED ISLAND
- PROPOSED KERB
- PROPOSED EDGE OF SEAL
- PROPOSED BERM



A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE



AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 3 OF 7

ORIGINATOR	DATE: 06/2026	SIGNED:	PLOT BY:	MP
DRAWN:	DATE: 06/2026	SIGNED:	PLOT DATE:	05/06/26
CHECKED:	DATE: 06/2026	SIGNED:	SURVEY BY:	HG
APPROVED:	DATE: 06/2026	SIGNED:	SURVEY DATE:	01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:200 A3 1:400	REV
DRAWING No:		
A2515591.00-3512		A

FOR CONSENT





ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND

ISO 9001 QUALITY ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

- PROPERTY BOUNDARY
- APPROACHING SIGHT DISTANCE
- SIGHT LINE

AUSTROAD REQUIREMENT

APPROACH SIGHT DISTANCE (ASD)				
	DESIGN SPEED (km/h)	GRADE (%)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	60	7.9	65.6	PASS
V2	60	7.7	65.8	PASS
V3	60	-7.1	82.4	PASS

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 5 OF 7

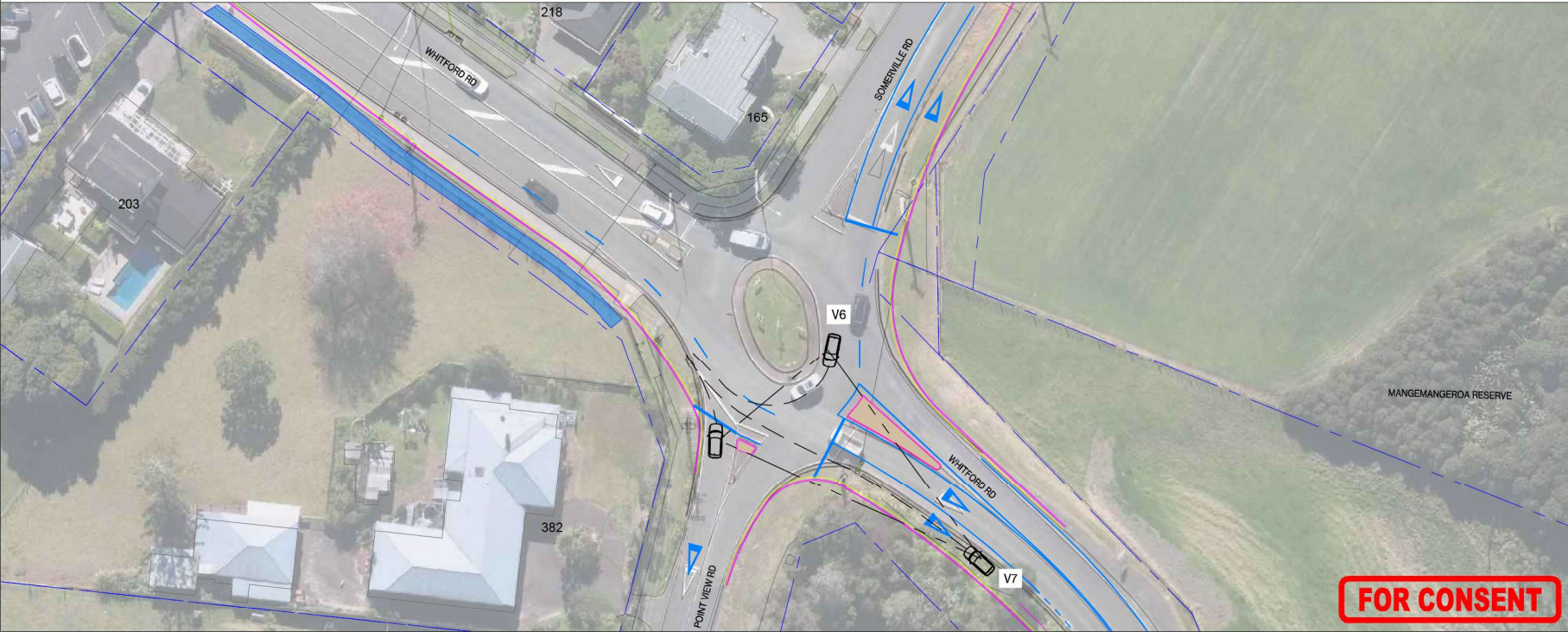
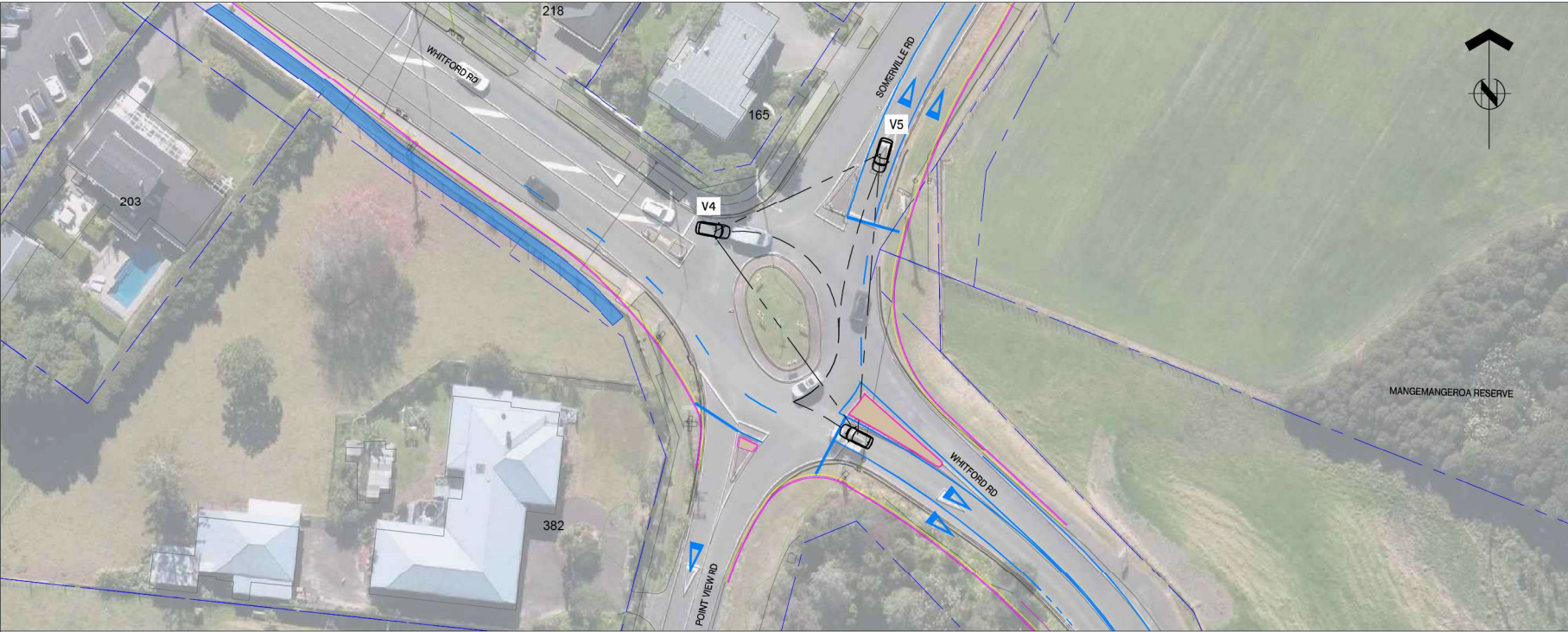
ORIGINATOR	DATE:	SIGNED:	PLOT BY:
MP	06/2026		MP
DRAWN:	DATE:	SIGNED:	PLOT DATE:
MP	06/2026		05/06/26
CHECKED:	DATE:	SIGNED:	SURVEY BY:
QXB	06/2026		HG
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
QXB	06/2026		01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	REV
A2515591.00	A1 1:300 A3 1:600	A1
DRAWING No:		REV
A2515591.00-3514		A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- VISIBILITY ASSESSMENT SHOWING CRITERION 2 SIGHT DISTANCE OF LOCAL RESIDENTIAL STREET ROUNDABOUT.
- CRITERION 2 SIGHT DISTANCE BASED ON AGRD PART 4B TABLE 3.1.

LEGEND

— — — — — PROPERTY BOUNDARY

— — — — — APPROACHING SIGHT DISTANCE

— — — — — SIGHT LINE

AGRD PART 4B REQUIREMENT

CRITERION 2 SIGHT DISTANCE			
	85TH%ILE SPEED (km/h)	SIGHT DISTANCE REQUIREMENT (m)	PASS OR FAIL
V4	30	33	PASS
V5	30	33	PASS
V6	20	22	PASS
V7	40	44	PASS

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 6 OF 7

OPERATOR	DATE: 06/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 06/2026	SIGNED:	PLOT DATE:
MP			05/06/26
CHECKED:	DATE: 06/2026	SIGNED:	SURVEY BY:
QXB			HG
APPROVED:	DATE: 06/2026	SIGNED:	SURVEY DATE:
QXB			01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:300 A3 1:600	
DRAWING No:		REV
A2515591.00-3515		A

FOR CONSENT



THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTRoads GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

- PROPERTY BOUNDARY
- MEETS ENTRY PATH RADIUS REQUIREMENTS
- FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: **SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 7 OF 7**

ORIGINATOR	DATE: 06/2026	SIGNED:	PLOT BY:	MP
DRAWN:	DATE: 06/2026	SIGNED:	PLOT DATE:	05/06/26
CHECKED:	DATE: 06/2026	SIGNED:	SURVEY BY:	HG
APPROVED:	DATE: 06/2026	SIGNED:	SURVEY DATE:	01/2026

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No:	SCALE: A1 1400 A3 1600	REV
DRAWING No:		

A2515591.00-3516 A

FOR CONSENT



NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL EXISTING ROAD FEATURES BASED ON TOPO SURVEY

LEGEND

- PROPERTY BOUNDARY
- EXISTING ROAD FEATURES
- EXISTING TREE DRIPLINE



REF	REVISIONS	MP	DATE
A	FOR CONSENT	MP	06/2026

HARRISON GRIERSON
AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

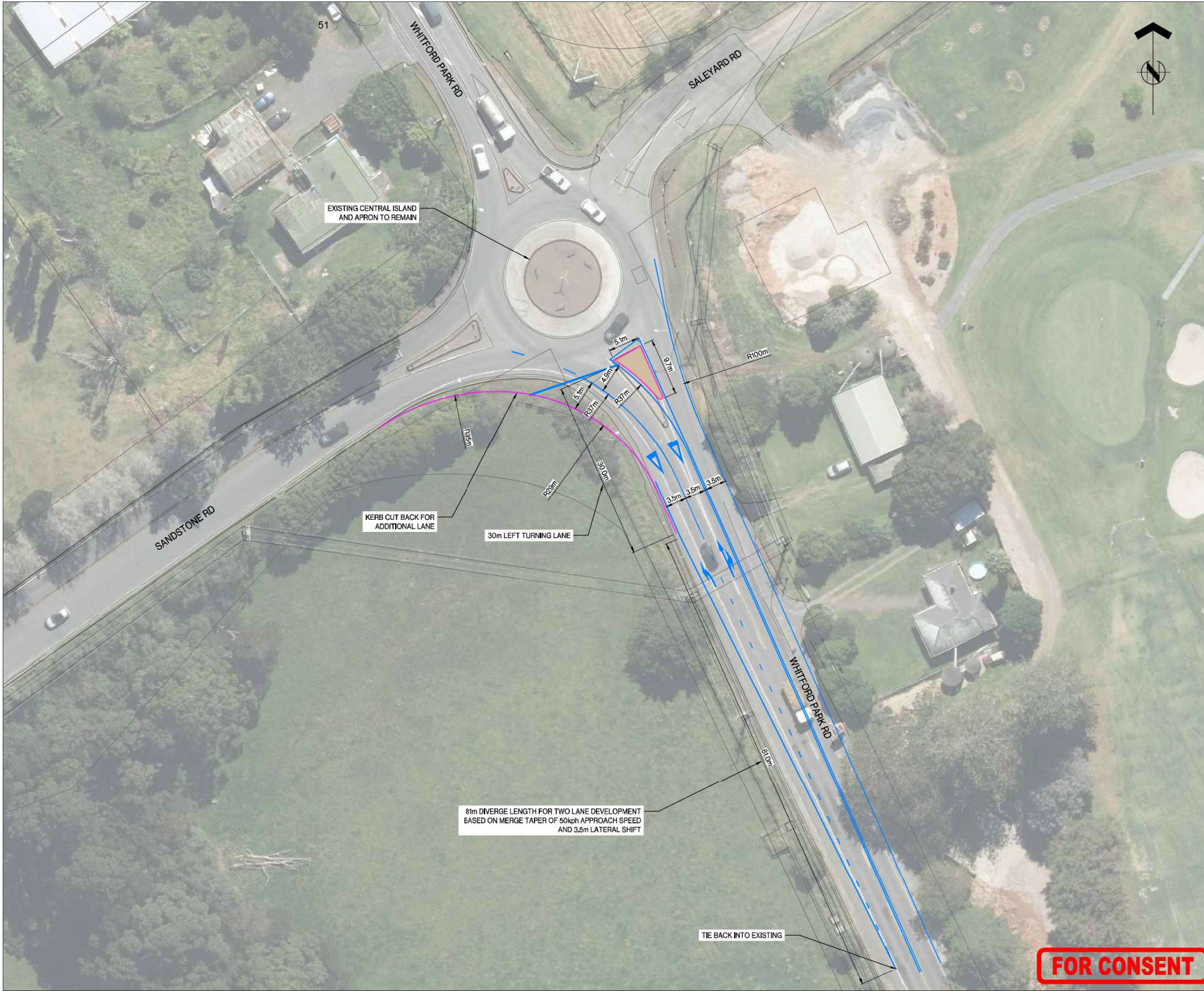
PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
SANDSTONE RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 1 OF 6

ORIGINATOR	DATE	SIGNED	PLOT BY:	MP
MP	06/2026			
DRAWN	DATE	SIGNED	PLOT DATE:	05/06/26
MP	06/2026			
CHECKED	DATE	SIGNED	SURVEY BY:	HG
QXB	06/2026			
APPROVED	DATE	SIGNED	SURVEY DATE:	01/2026
QXB	06/2026			

FAST TRACK CONSENT	
PROJECT No:	SCALE:
A2515591.00	A1 1:500 A3 1:1000
DRAWING No:	REV
A2515591.00-3520	A

FOR CONSENT





ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND

ISO 9001 QUALITY ASSURED

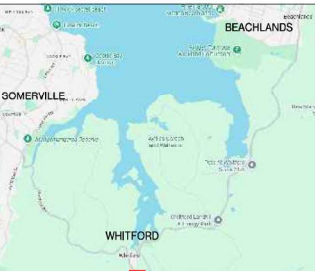
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

- PROPERTY BOUNDARY
- PROPOSED WHITE ROADMARKING
- PROPOSED ISLAND
- PROPOSED KERB
- PROPOSED EDGE OF SEAL
- PROPOSED BERM



REF	REVISIONS	DATE
A	FOR CONSENT	06/2026



AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SANDSTONE RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 2 OF 6

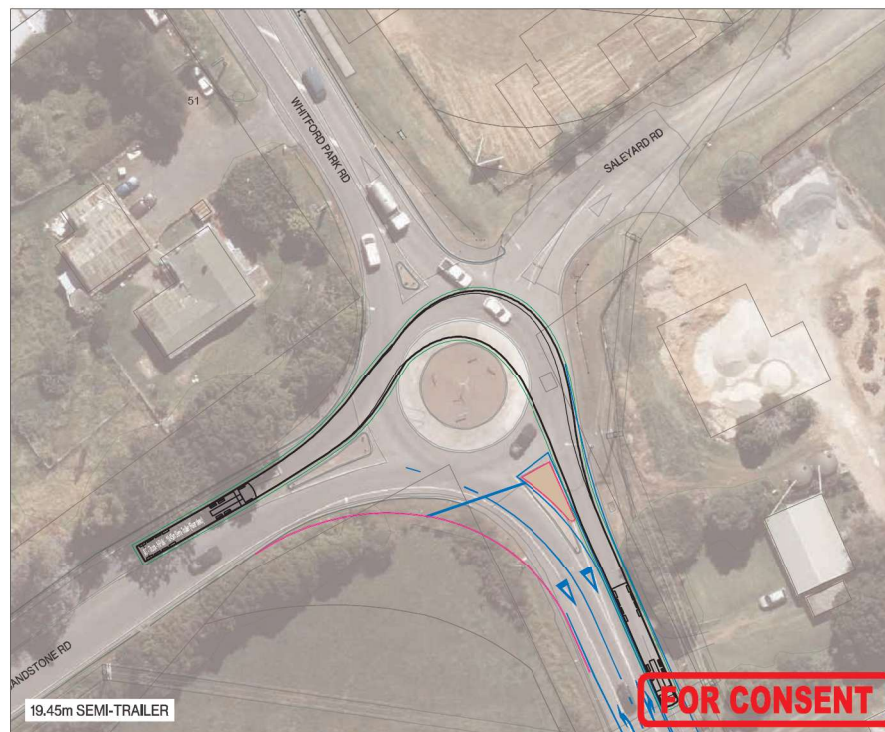
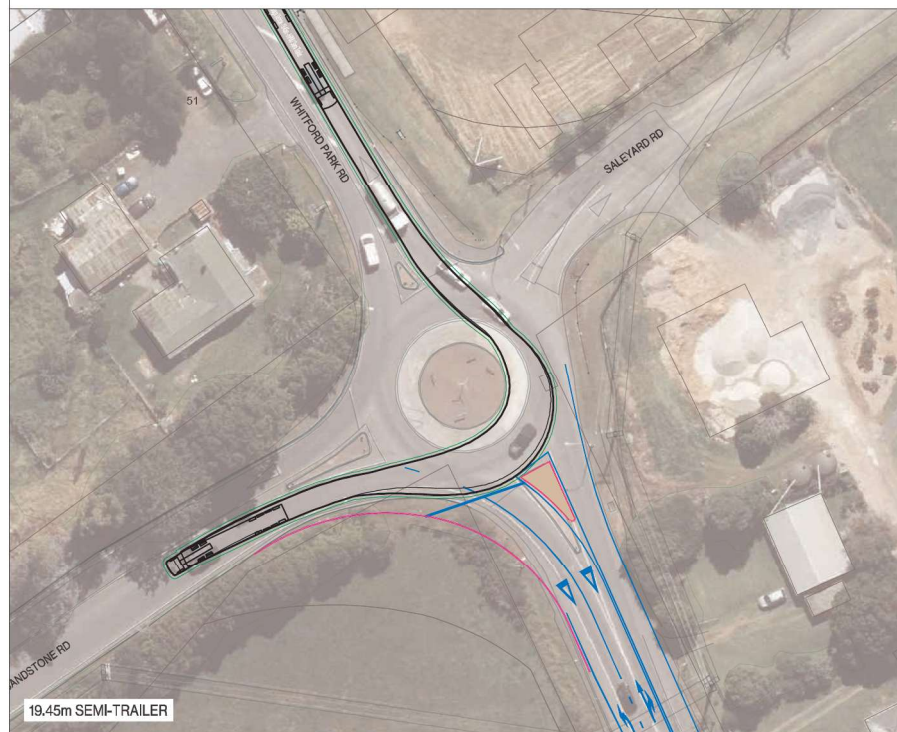
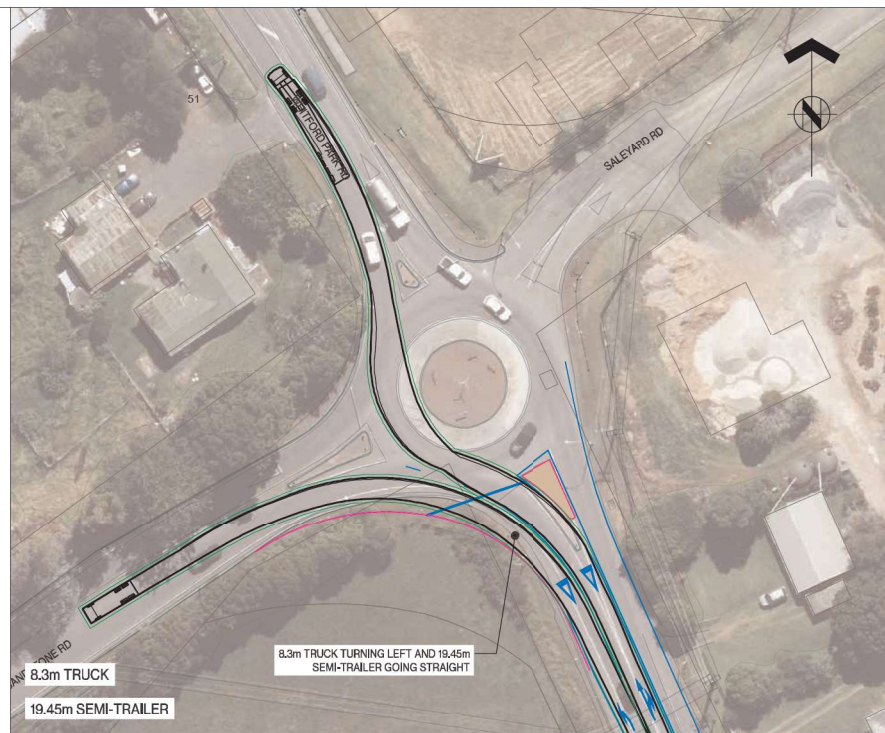
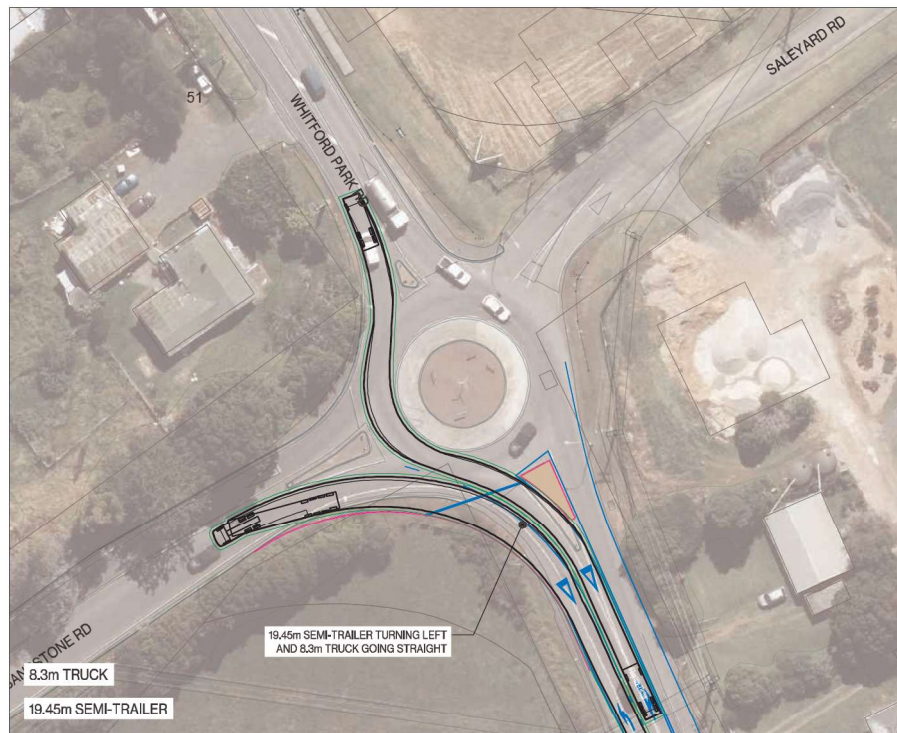
ORIGINATOR MP	DATE 06/2026	SIGNED	PLOT BY:	MP
DRAWN MP	DATE 06/2026	SIGNED	PLOT DATE:	05/06/26
CHECKED QXB	DATE 06/2026	SIGNED	SURVEY BY:	HG
APPROVED QXB	DATE 06/2026	SIGNED	SURVEY DATE:	01/2026

ISSUE STATUS

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:300 A3 1:600	
DRAWING No:		REV
A2515591.00-3521		A

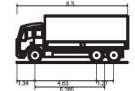
FOR CONSENT



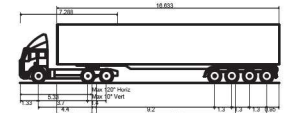
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS .
2. ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



AT - Truck - 8.3m Truck
Overall Length
Overall Width
Overall Body Height
Min Body Ground Clearance
Track Width
Lock-to-lock time
Max Steering Angle (Virtual)



AT - Truck - HPMV - 19.45m Semi-Trailer (Rear steer)	
Overall Length	19.380m
Overall Width	2.550m
Overall Body Height	4.388m
Min Body Ground Clearance	0.311m
Track Width	2.550m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	12.500m

A	FOR CONSENT	MP	09/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

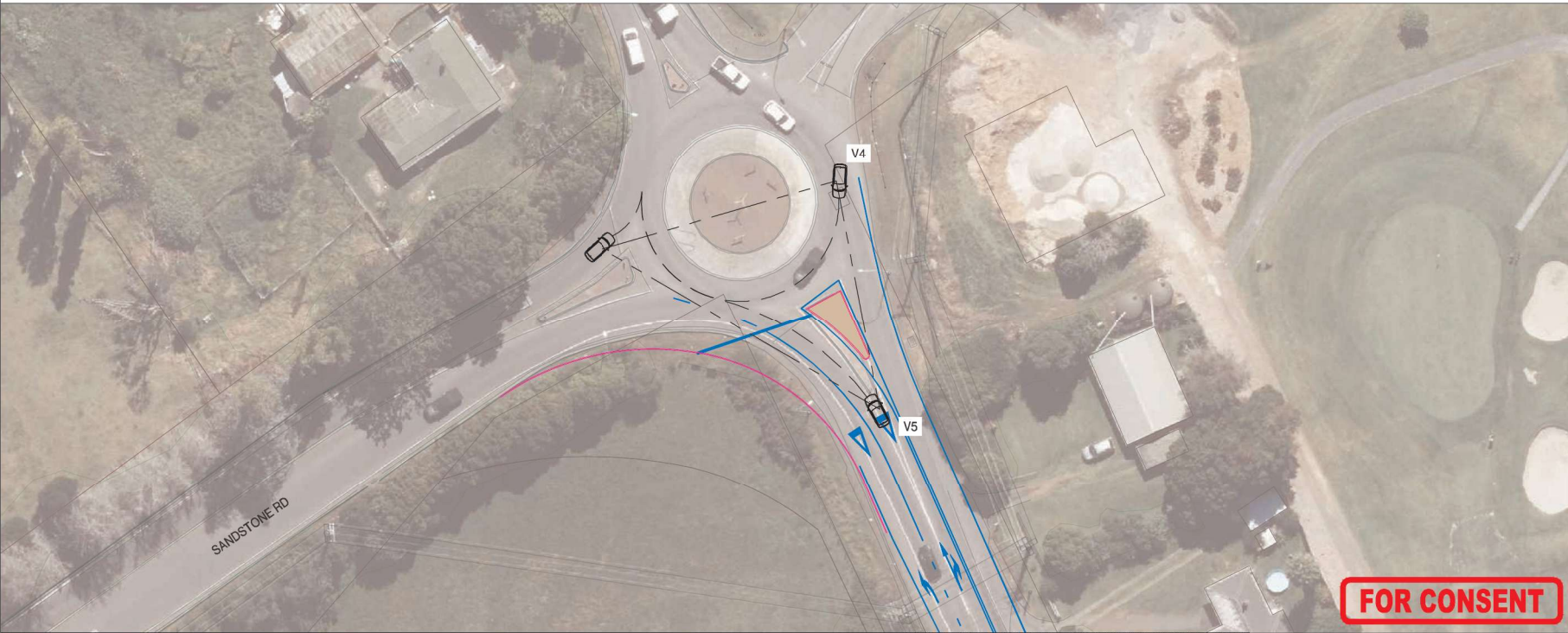
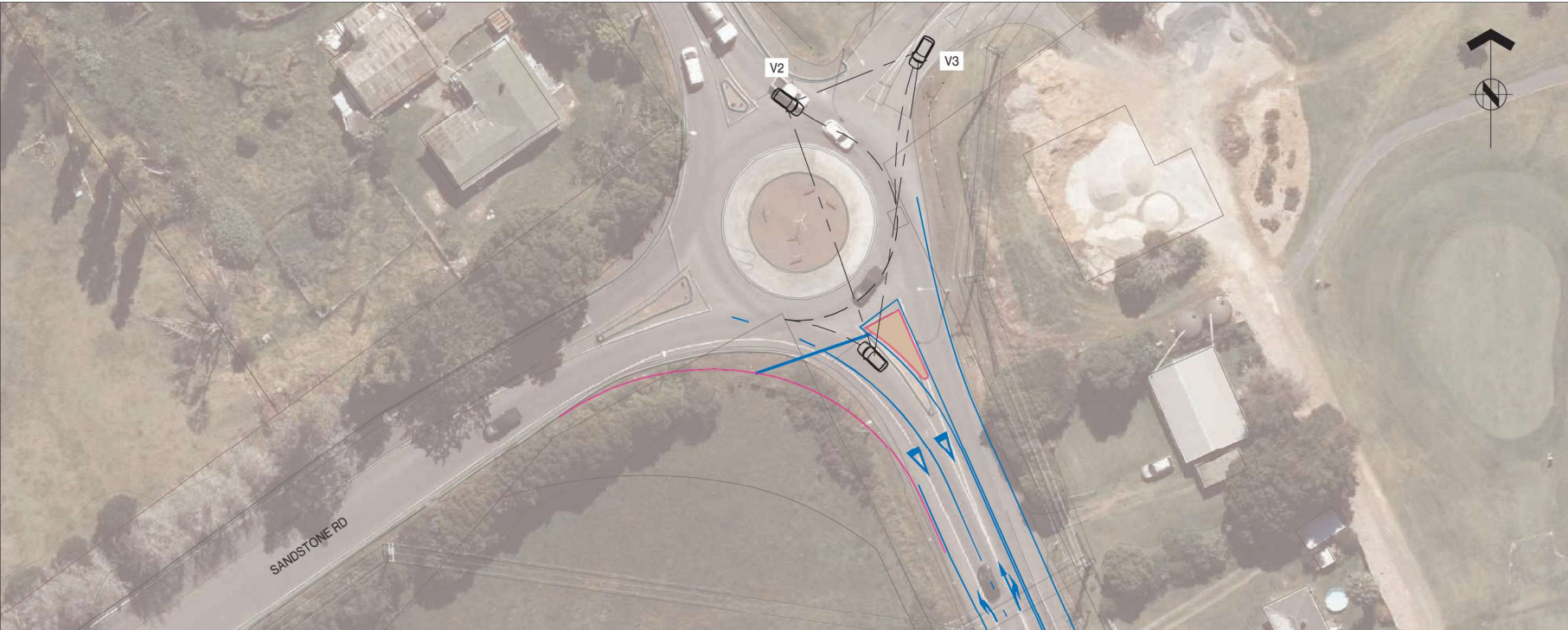
TITLE:
SANDSTONE RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 3 OF 6

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 06/2026	SIGNED:	PLOT DATE: 05/06/26
CHECKED: GXB	DATE: 06/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A251559100	SCALES: A1 1:300 A3 1:600	A1
---------------------------	------------------------------	----

DRAWING No:	REV
A2515591.00-3522	A





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

T-185 DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- VISIBILITY ASSESSMENT SHOWING CRITERION 2 OF AGRD PART 4B
- CRITERION 2 SIGHT DISTANCE BASED ON AGRD PART 4B TABLE 3.1.

LEGEND

PROPERTY BOUNDARY

APPROACHING SIGHT DISTANCE

SIGHT LINE

AGRD PART 4B REQUIREMENT

CRITERION 2 SIGHT DISTANCE

	85TH/NTILE SPEED (km/h)	SIGHT DISTANCE REQUIREMENT (m)	PASS OR FAIL
V2	30	42	PASS
V3	30	42	PASS
V4	30	42	PASS
V5	30	42	PASS

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
SANDSTONE RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 5 OF 6

OPERATOR MP	DATE: 06/2026	SIGNED:	PLOT BY:	MP
DRAWN: MP	DATE: 06/2026	SIGNED:	PLOT DATE:	05/06/26
CHECKED: CXB	DATE: 06/2026	SIGNED:	SURVEY BY:	HG
APPROVED: CXB	DATE: 06/2026	SIGNED:	SURVEY DATE:	01/2026

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:300 A3 1:600	REV
DRAWING No:		REV

FOR CONSENT

A2515591.00-3524 A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES. FILE: LATE C:\AUTODESK\ACCD\CS\ACCD\CS\HARRISON GRIERSON\US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01\DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3520 SANDSTONE ONE RBT.DWG



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

- | | |
|---|--|
|  | PROPERTY BOUNDARY |
|  | MEETS ENTRY PATH RADIUS REQUIREMENTS |
|  | FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS |

A	FOR CONSENT	MIP	08/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT:

BEACHLANDS

FAST TRACK CONSENT APPLICATION

BEACHLANDS SOUTH, AUCKLAND

TITLE:
SANDSTONE RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 6 OF 6

ORIGINATOR MIP	DATE: 06/20/26	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 06/20/26	SIGNED:	PLOT DATE: 05/06/26
CHECKED: GXB	DATE: 06/20/26	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 06/20/26	SIGNED:	SURVEY DATE: 01/20/26

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A2515581.00	SCALES: A1 1:300 A3 1:600	A1
----------------------------	------------------------------	----

DRAWING No: **A2515591.00-3525** REV **A**

FOR CONSENT



THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

	PROPERTY BOUNDARY
	PROPOSED WHITE ROADMARKING
	PROPOSED ISLAND
	PROPOSED KERB
	PROPOSED EDGE OF SEAL
	PROPOSED FOOTPATH
	PROPOSED BERM

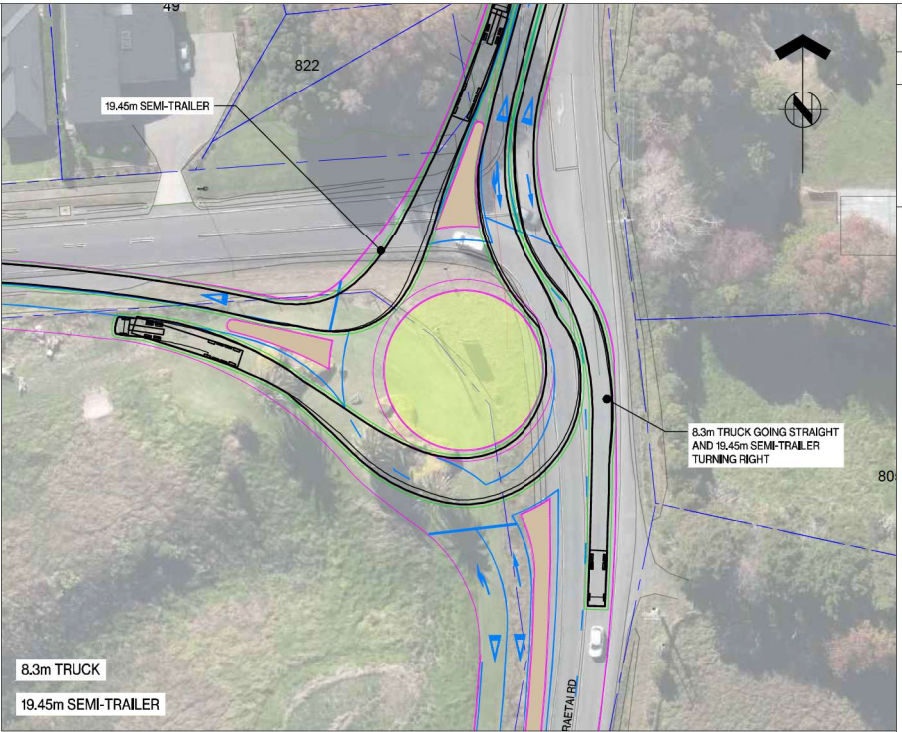
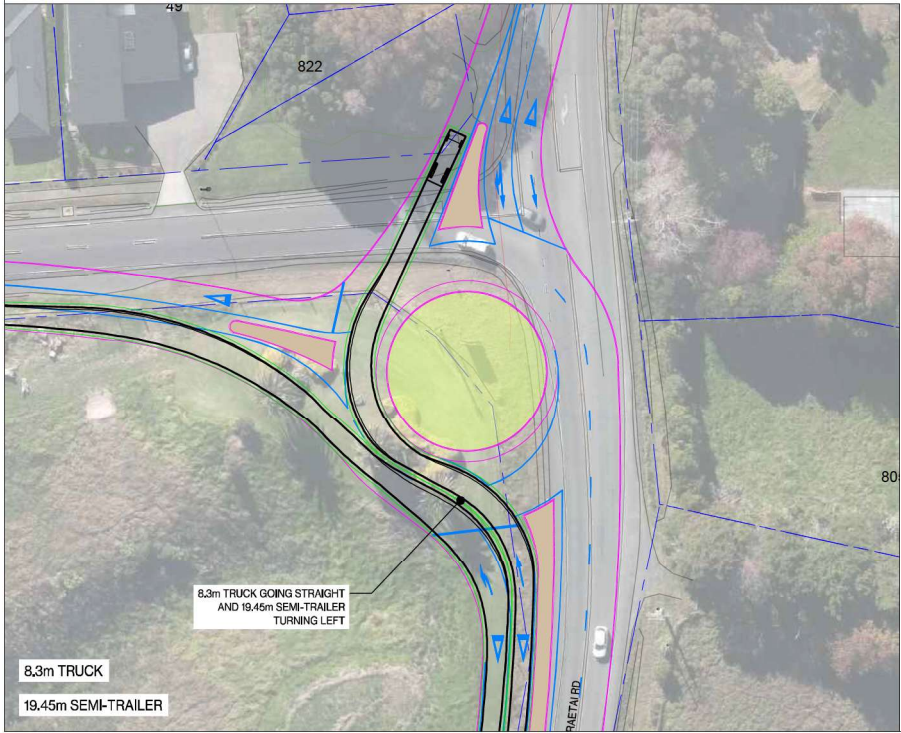
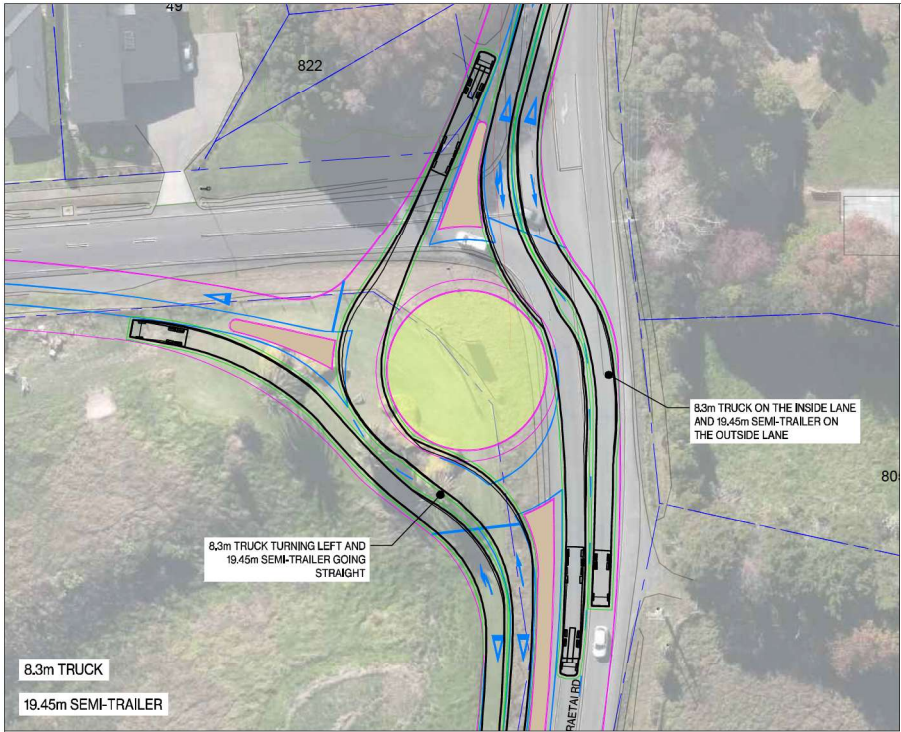


PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:
JACK LACHLAN DR / WHITFORD MARAETAI RD RB
UPGRADE PLAN
SHEET 3 OF 8

ORIGINATOR MIP	DATE: 06/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 06/2026	SIGNED:	PLOT DATE:
CHECKED: GXB	DATE: 06/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE:

ISSUE STATUS:		FAST TRACK CONSENT	
PROJECT No: A2515591.00	SCALES:	AT	
DRAWING No:		REV	
A2515591.00-3532		A	





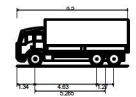
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

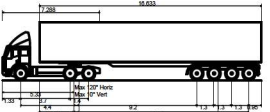
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



AT - Truck - 8.3m Truck
Overall Length 8.300m
Overall Width 2.550m
Overall Body Height 2.471m
Min Body Ground Clearance 0.373m
Track Width 2.550m
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 40.20°



AT - Truck - HPMV - 19.45m Semi-Trailer (Rear steer)
Overall Length 19.350m
Overall Width 2.550m
Overall Body Height 2.380m
Min Body Ground Clearance 0.311m
Track Width 2.550m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 12.500m

A	FOR CONSENT	MP	06/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JACK LACHLAN DR / WHITFORD MARAETA RD RBT
UPGRADE PLAN
SHEET 5 OF 8

ORIGINATOR	DATE: 06/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 06/2026	SIGNED:	PLOT DATE:
MP			05/06/26
CHECKED:	DATE: 06/2026	SIGNED:	SURVEY BY:
QXB			HG
APPROVED:	DATE: 06/2026	SIGNED:	SURVEY DATE:
QXB			01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00		
DRAWING No:	REV	
A2515591.00-3534	A	

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

— — — — — PROPERTY BOUNDARY

— — — — — APPROACHING SIGHT DISTANCE

— — — — — SIGHT LINE

AUSTROAD REQUIREMENT				
APPROACH SIGHT DISTANCE (ASD)				
	DESIGN SPEED (km/h)	GRADE (%)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	60	5.8	67.2	PASS
V2	70	4.2	86.9	PASS
V3	70	0	92.5	PASS

REF	REVISIONS	MP	BY	DATE
A	FOR CONSENT	MP		06/2026

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JACK LACHLAN DR / WHITFORD MARAETAI RD RBT
UPGRADE PLAN
SHEET 6 OF 8

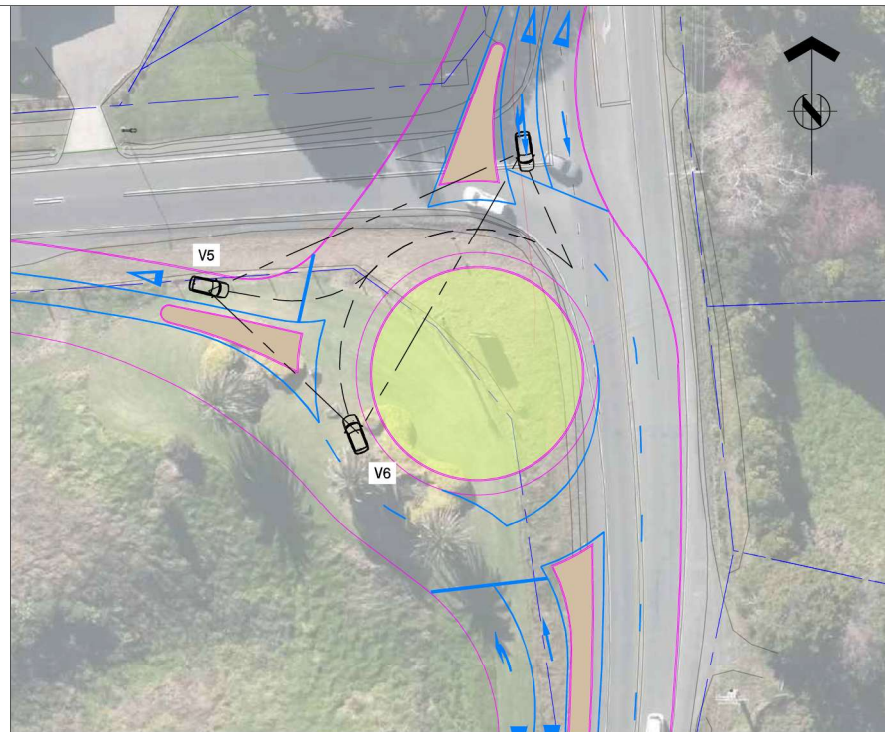
ORIGINATOR	DATE	SIGNED	PLLOT BY:
MP	06/2026		MP
DRAWN:	DATE	SIGNED	PLLOT DATE:
MP	06/2026		05/06/26
CHECKED:	DATE	SIGNED	SURVEY BY:
QXB	06/2026		HG
APPROVED:	DATE	SIGNED	SURVEY DATE:
QXB	06/2026		01/2026

ISSUE STATUS

FAST TRACK CONSENT

PROJECT No:	SCALES:	A1
A2515591.00		
DRAWING No:	REV	
A2515591.00-3535	A	

FOR CONSENT



THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS .
2. VISIBILITY ASSESSMENT SHOWING CRITERION 2 SIGHT DISTANCE FOR ARTERIAL ROAD ROUNDABOUT.
3. CRITERION 2 SIGHT DISTANCE BASED ON AGRD PART 4B TABLE 3.1.

LEGEND

- PROPERTY BOUNDARY
 APPROACHING SIGHT DISTANCE
 SIGHT LINE

AGRD PART 4B REQUIREMENT

CRITERION 2 SIGHT DISTANCE

	85TH%TILE SPEED (km/h)	SIGHT DISTANCE REQUIREMENT (m)	PASS OR FAIL
V4	30	42	PASS
V5	30	42	PASS
V6	30	42	PASS
V7	30	42	PASS

A	FOR CONSENT	MP	09/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:
JACK LACHLAN DR / WHITFORD MARAETAI RD RBT
UPGRADE PLAN
SHEET 7 OF 8

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 06/2026	SIGNED:	PLOT DATE: 05/06/26
CHECKED: GXB	DATE: 06/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES:	A1
DRAWING No: A2515591.00-3536		REV A

FOR CONSENT



1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

 PROPERTY BOUNDARY
 MEETS ENTRY PATH RADIUS REQUIREMENTS
 FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

**HARRISON
GRIERSON**

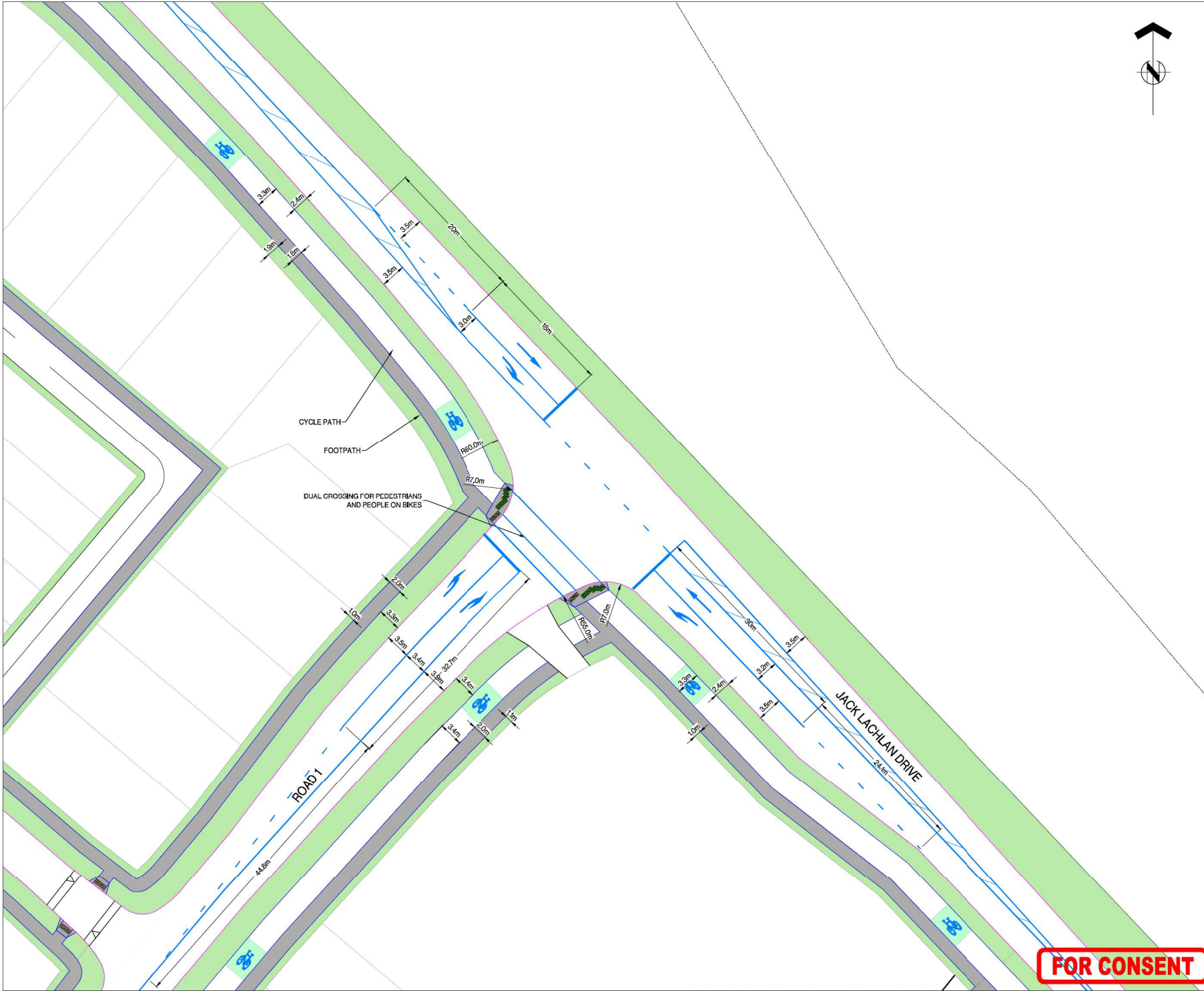
AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

TITLE:
JACK LACHLAN DR / WHITFORD MARAETAI RD RB
UPGRADE PLAN
SHEET 8 OF 8

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES:	AT
DRAWING No:		REV
A2515591.00-3537		A

FOR CONSENT



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY
3. LEFT AND RIGHT TURN LANE LENGTHS TO BE CONFIRMED SUBJECT TO MODELLING

LEGEND

- PROPOSED WHITE ROADMARKING
- PROPOSED FOOTPATH / CYCLE PATH
- PROPOSED KERB
- PROPERTY BOUNDARY
- PROPOSED FOOTPATH
- PROPOSED BERM



A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

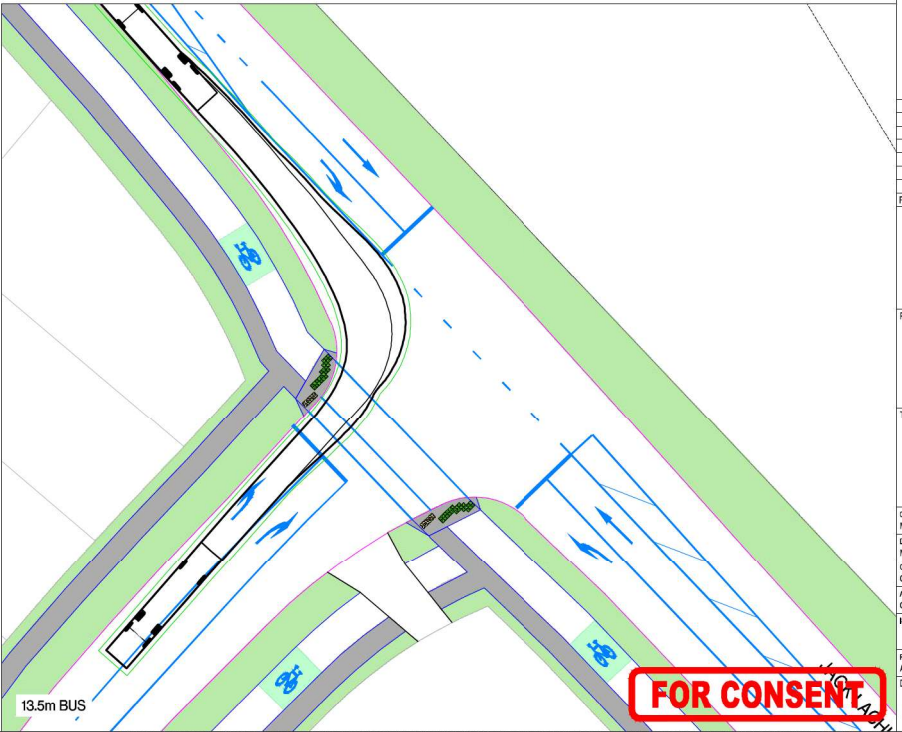
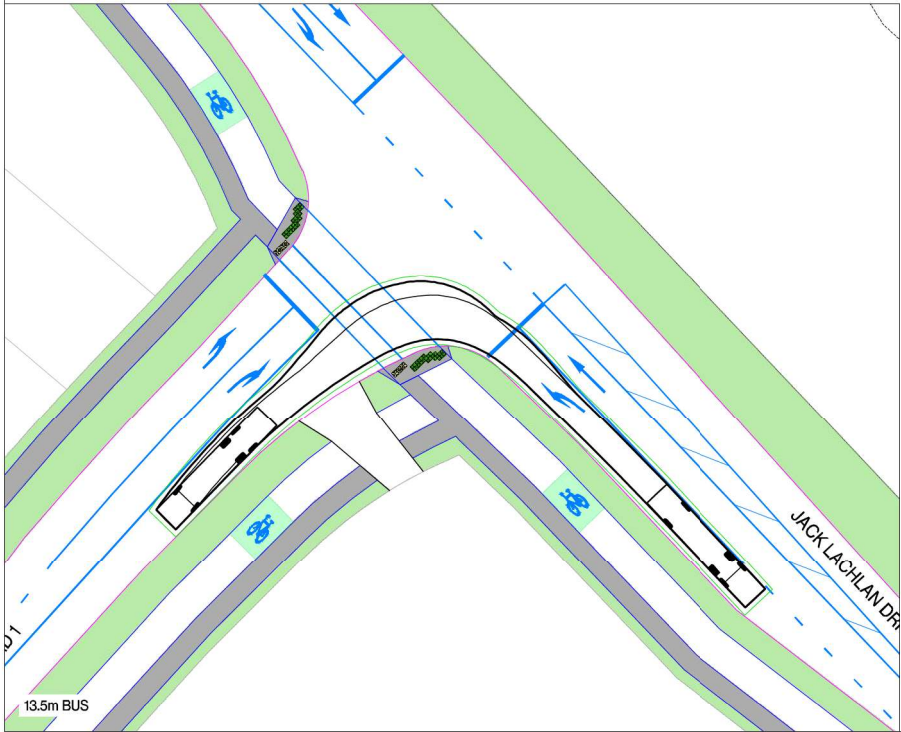
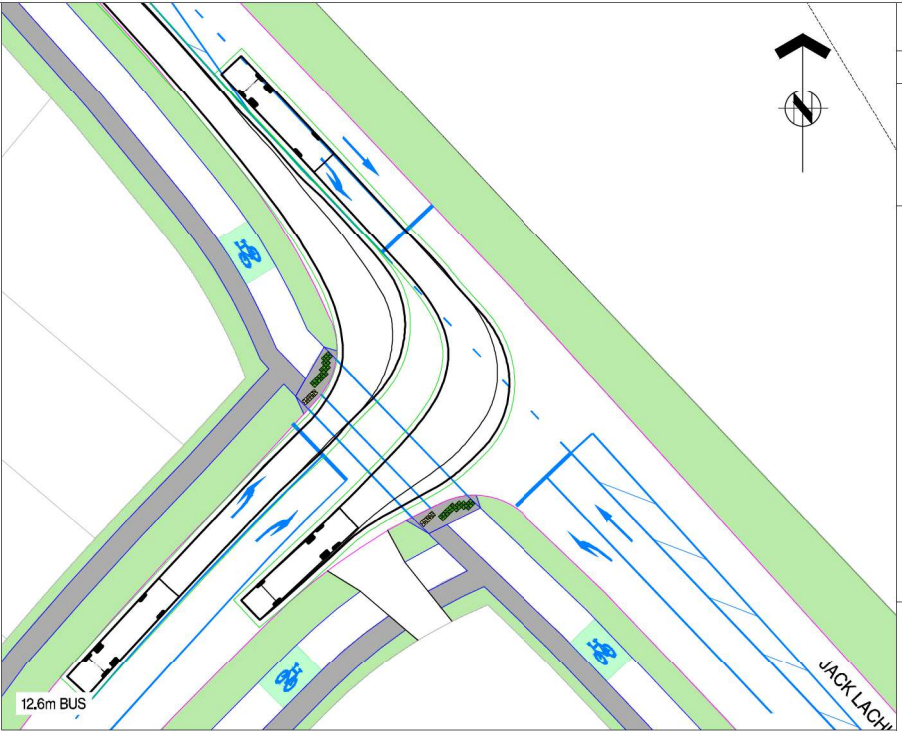
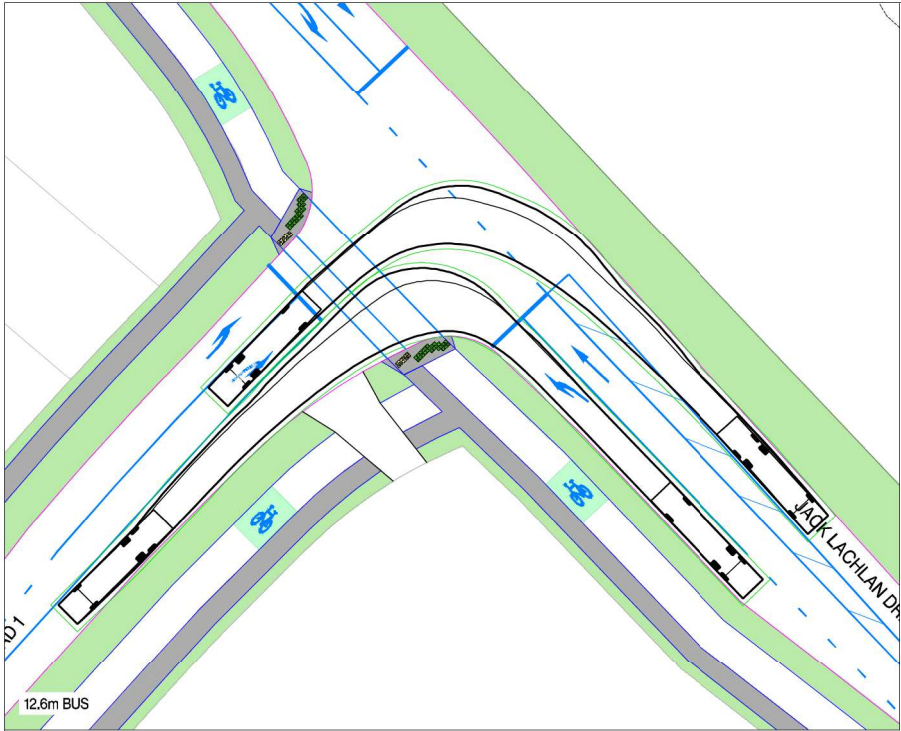
PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: **JLD - ROAD 1 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3**

ORIGINATOR: MP	DATE: 05/2026	SIGNED:	PLOT BY: MP
DRAWN: MP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: QXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
APPROVED: QXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT			
PROJECT No: A2515591.00	SCALE: A1: 1:250 A3: 1:500	REV	A1
DRAWING No: A2515591.00-3550		REV	A

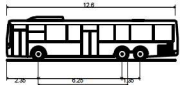
FOR CONSENT



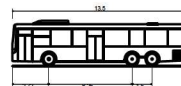
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



AT Design Vehicle - 12.6m - Urban Bus (RTS18)
Overall Length 12.600m
Overall Width 2.550m
Overall Body Height 3.311m
Min Body Ground Clearance 0.268m
Track Width 2.550m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 12.500m



AT Check Vehicle - 13.5m - Urban Bus - Rear Steer
Overall Length 13.500m
Overall Width 2.550m
Overall Body Height 3.311m
Min Body Ground Clearance 0.268m
Track Width 2.550m
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 47.00°

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MP	05/2026

HARRISON GRIERSON
AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: **JLD - ROAD 1 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3**

ORIGINATOR	DATE: 05/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 05/2026	SIGNED:	PLOT DATE:
MP			05/2026
CHECKED:	DATE: 05/2026	SIGNED:	SURVEY BY:
QXB			HG
APPROVED:	DATE: 05/2026	SIGNED:	SURVEY DATE:
QXB			01/2026

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No:	SCALE:	REV
A2515591.00	A1: 1:250 A3: 1:500	A1

DRAWING No: **A2515591.00-3551** A

FOR CONSENT



ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. VISIBILITY ASSESSMENT SHOWING SIGHT LINE TOWARDS THE PRIMARY SIGNAL HEAD

— — — — — APPROACHING SIGHT DISTANCE

— — — — — SIGHT LINE

AUSTROAD REQUIREMENT

APPROACH SIGHT DISTANCE (ASD)

	DESIGN SPEED (km/h)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	55	63,6	PASS
V2	55	63,6	PASS
V3	45	47,1	PASS

A	FOR CONSENT		MIP	05/202
REF	REVISIONS		BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

JLD - ROAD 1 INTERSECTION
SCHEME PLAN
SHEET 3 OF 3

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: **FAST TRACK CONSENT**

PROJECT No: A251559100	SCALE: A1: 1:250 A3: 1:500	A1
---------------------------	-------------------------------	----

A2515591.00-3552 A



FOR CONSENT



1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS .
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY
3. LEFT AND RIGHT TURN LANE LENGTHS TO BE CONFIRMED SUBJECT TO MODELLING

	PROPOSED WHITE ROADMARKING
	PROPOSED FOOTPATH / CYCLE PATH
	PROPOSED KERB
	PROPERTY BOUNDARY
	PROPOSED FOOTPATH
	PROPOSED BERM



A	FOR CONSENT	MIP	05/20/2018
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

JLD - ROAD 2 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3

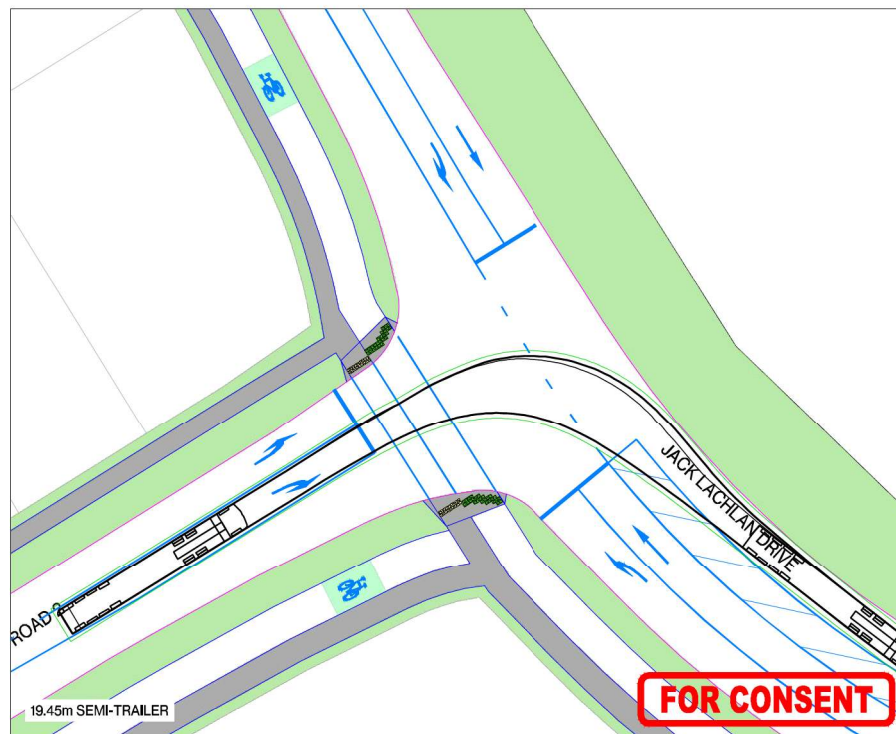
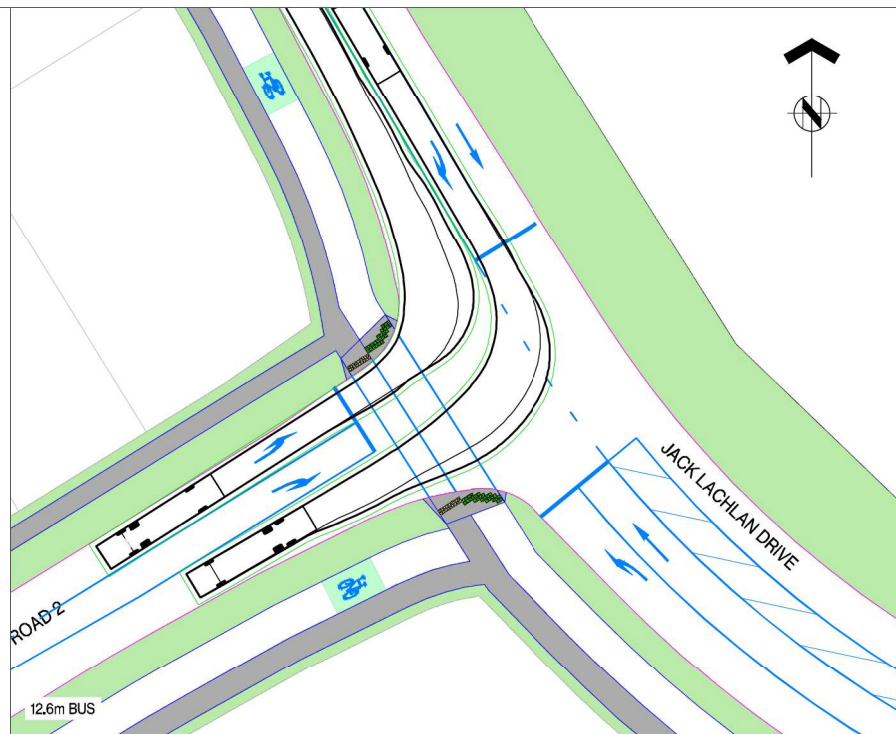
ORIGINATOR MIP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: **FAST TRACK CONSENT**

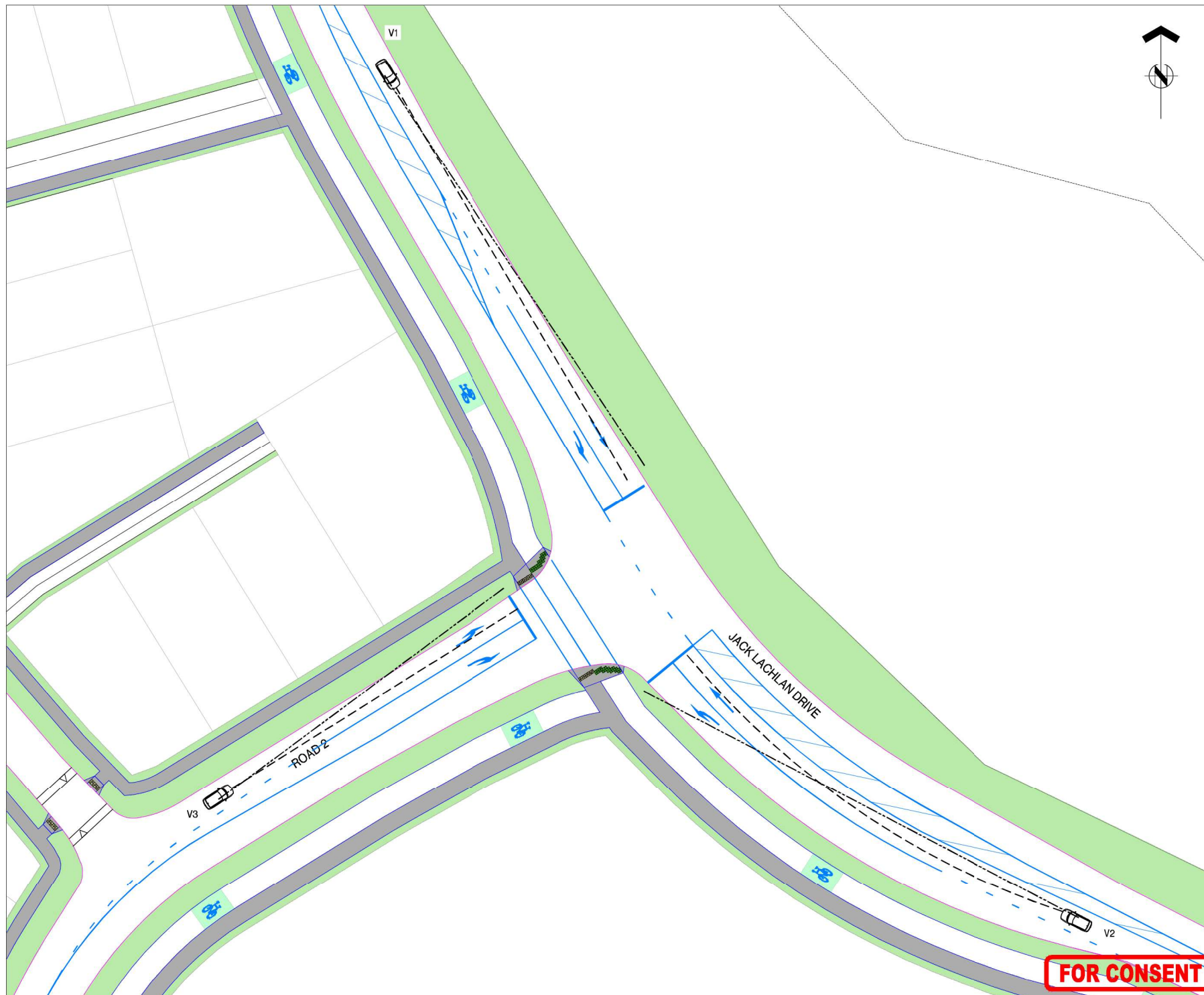
PROJECT No:	SCALE: A1: 1:250	A1
A2515591.00	A3: 1:500	

A2515591.00-3560 A

FOR CONSENT



REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES. File: LATE C:\AUTODESK\ACCDOS\ACCDOS\HARRISON GRIERSON US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01 DESIGN\07 TRAFFIC\04_SHEETS\A251559100-3550 JLD TO INTERNAL.DWG



THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. VISIBILITY ASSESSMENT SHOWING SIGHT LINE TOWARDS THE PRIMARY SIGNAL HEAD

APPROACHING SIGHT DISTANCE

AUSTROAD REQUIREMENT

APPROACH SIGHT DISTANCE (ASD)

	DESIGN SPEED (km/h)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	55	63.6	PASS
V2	55	63.6	PASS
V3	45	47.1	PASS

A	FOR CONSENT	MIP	05/202
REF	REVISIONS	BY	DATE

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisonsgrimson.com

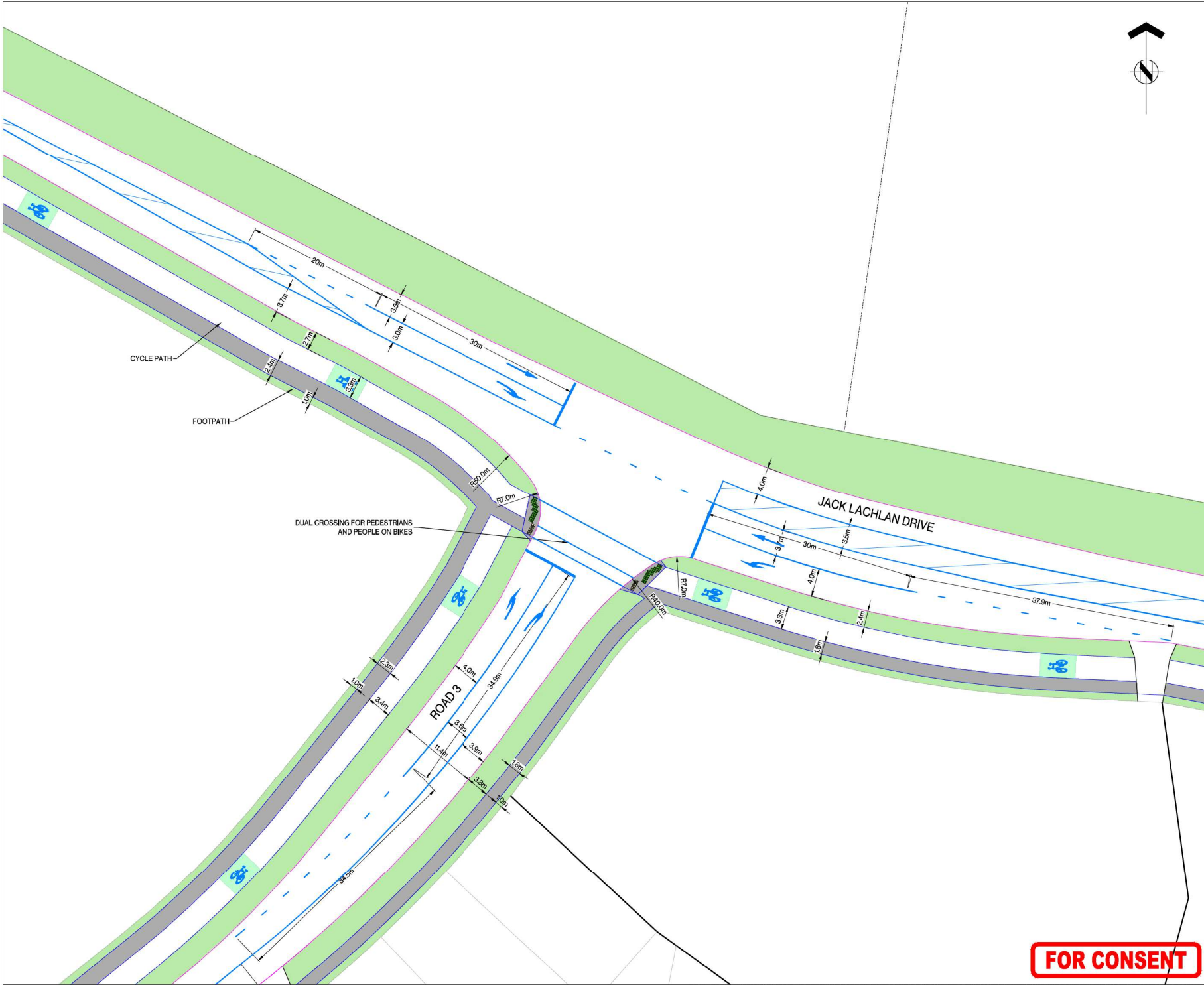
TITLE: JLD - ROAD 2 INTERSECTION
SCHEME PLAN
SHEET 3 OF 3

ORIGINATOR MIP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

PROJECT No: A2515591.00	SCALE: A1: 1:250 A3: 1:500	A1
----------------------------	-------------------------------	----

A2515591.00-3562 A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND



ISO 9001
QUALITY
ASSURED

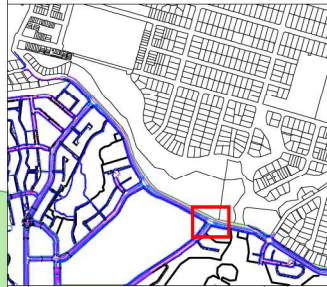
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- PROPOSED DESIGN IS BASED ON TOPO SURVEY
- LEFT AND RIGHT TURN LANE LENGTHS TO BE CONFIRMED SUBJECT TO MODELLING

LEGEND

- PROPOSED WHITE ROADMARKING
- PROPOSED FOOTPATH / CYCLE PATH
- PROPOSED KERB
- PROPERTY BOUNDARY
- PROPOSED FOOTPATH
- PROPOSED BERM



A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 3 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3

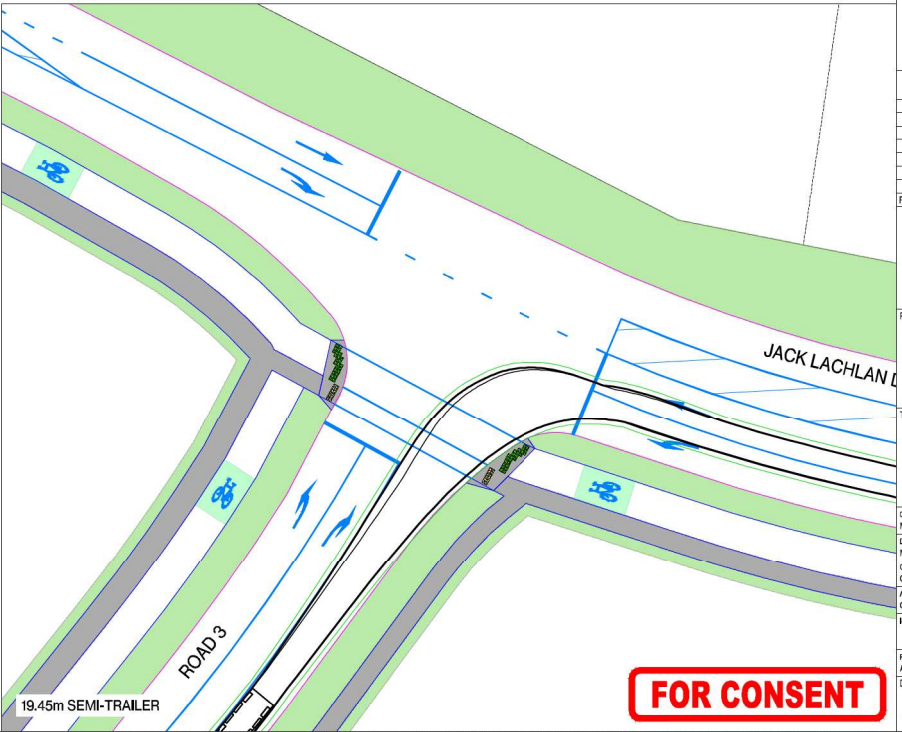
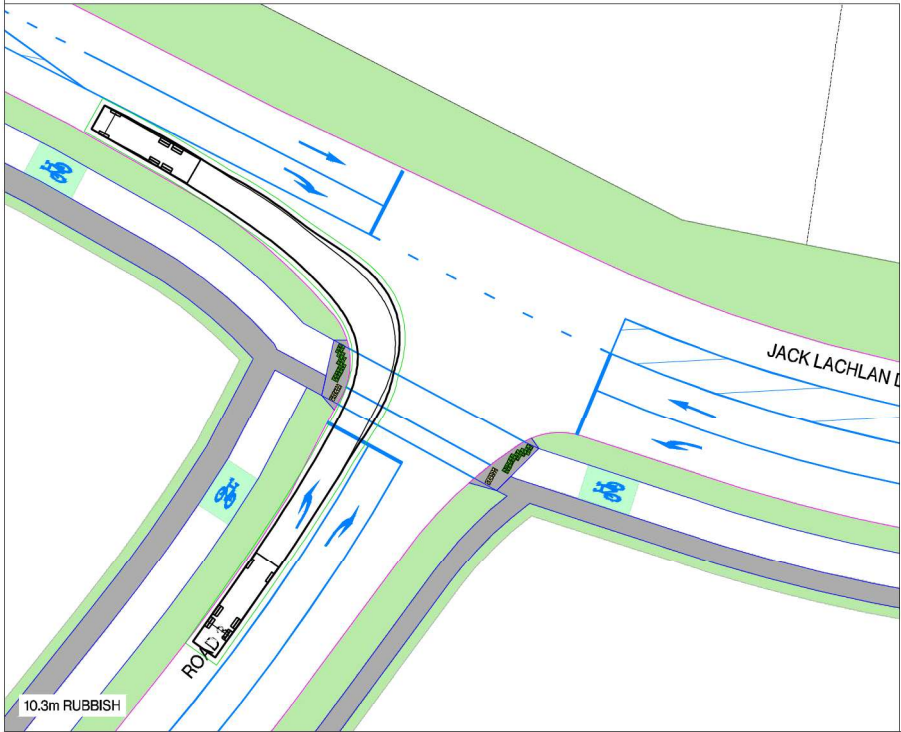
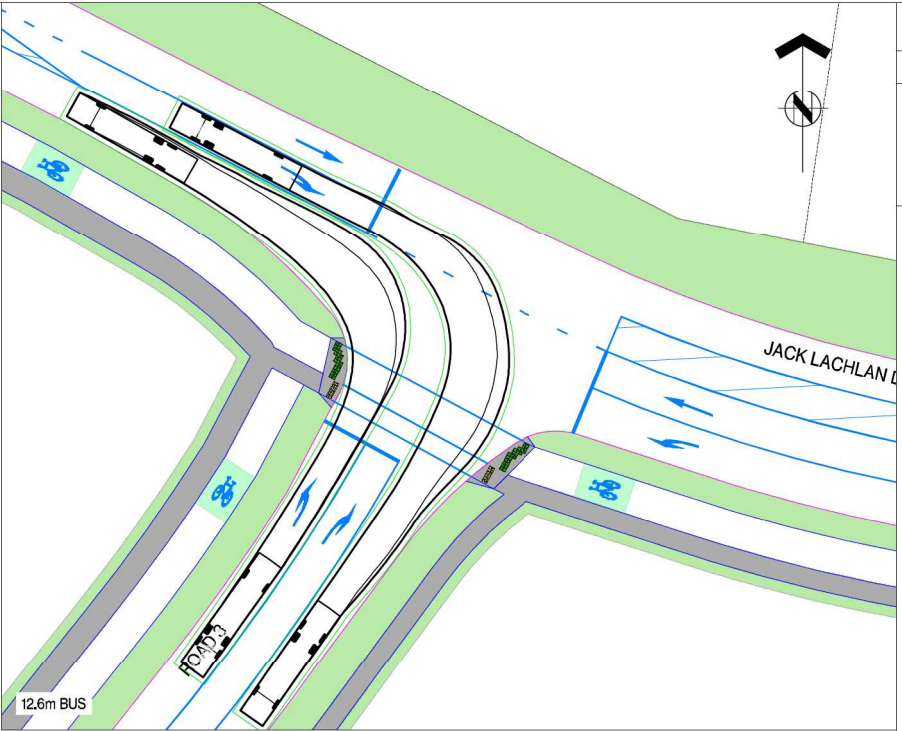
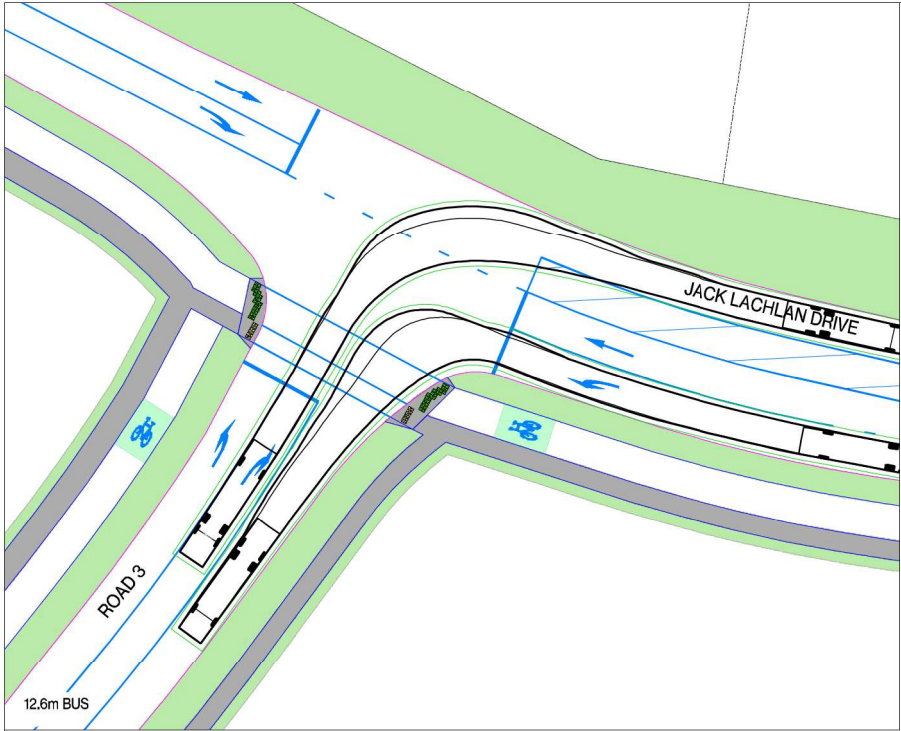
ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
MP	05/2026		MP
DRAWN:	DATE:	SIGNED:	PLOT DATE:
MP	05/2026		05/2026
CHECKED:	DATE:	SIGNED:	SURVEY BY:
QXB	05/2026		HG
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
QXB	05/2026		01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	REV
A2515591.00	A1: 1:250 A3: 1:500	A1
DRAWING No:		REV
A2515591.00-3570		A

FOR CONSENT





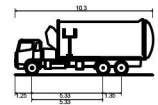
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

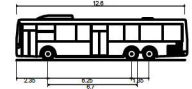
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

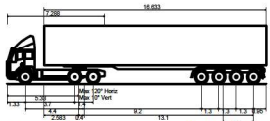
- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



AT Check Vehicle - 10.3m - Rubbish Truck - Rear Steer
Overall Length 10.300m
Overall Width 2.550m
Overall Body Height 2.150m
Min Body Ground Clearance 0.440m
Track Width 2.550m
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 47.00°



AT Design Vehicle - 12.6m - Urban Bus (RTS18)
Overall Length 12.600m
Overall Width 2.550m
Overall Body Height 2.311m
Min Body Ground Clearance 0.260m
Track Width 2.550m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 12.500m



AT Truck - 19.45m - Semi-Trailer (Rear Steer)
Overall Length 19.450m
Overall Width 4.380m
Overall Body Height 4.380m
Min Body Ground Clearance 0.311m
Track Width 2.550m
Lock-to-lock time 6.00s
Wall to Wall Turning Radius 12.500m

REF	REVISIONS	DATE
A	FOR CONSENT	05/2026



AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE: JLD - ROAD 3 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3

ORIGINATOR	DATE	SIGNED	PLOT BY	MP
MP	05/2026			
DRAWN	DATE	SIGNED	PLOT DATE	05/2026
MP	05/2026			
CHECKED	DATE	SIGNED	SURVEY BY	HG
QXB	05/2026			
APPROVED	DATE	SIGNED	SURVEY DATE	01/2026
QXB	05/2026			

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No:	SCALE:	REV
A2515591.00	A1: 1:250 A3: 1:500	A1
DRAWING No:		REV
A2515591.00-3571		A

FOR CONSENT



THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING.

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. VISIBILITY ASSESSMENT SHOWING SIGHT LINE TOWARDS THE PRIMARY SIGNAL HEAD

— — — APPROACHING SIGHT DISTANCE

— - - SIGHT LINE

APPROACH SIGHT DISTANCE (ASD)

	DESIGN SPEED (km/h)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	55	63.6	PASS
V2	55	63.6	PASS
V3	55	63.6	PASS

A	FOR CONSENT		MIP	05/202
REF	REVISIONS		BY	DATE

**HARRISON
GRIERSON**

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE:

JLD - ROAD 2 INTERSECTION
SCHEME PLAN
SHEET 4 OF 3

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	AT
DRAWING No: A2515591.00-3572		REV A

FOR CONSENT

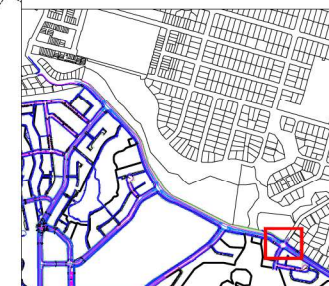


NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS .
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY
3. LEFT AND RIGHT TURN LANE LENGTHS TO BE CONFIRMED SUBJECT TO MODELLING

LEGEND

- | | |
|---|--------------------------------|
|  | PROPOSED WHITE ROADMARKING |
|  | PROPOSED FOOTPATH / CYCLE PATH |
| | PROPOSED KERB |
|  | PROPERTY BOUNDARY |
|  | PROPOSED FOOTPATH |
|  | PROPOSED BERM |



A	FOR CONSENT	MIP	05/20/2018
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: JLD - ROAD 25 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3

ORIGINATOR MIP	DATE: 05/2026	SIGNED:	PLOT BY:	M
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE:	05/20
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:	K
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE:	01/20

ISSUE STATUS:

ISSUE STATUS: **FAST TRACK CONSENT**

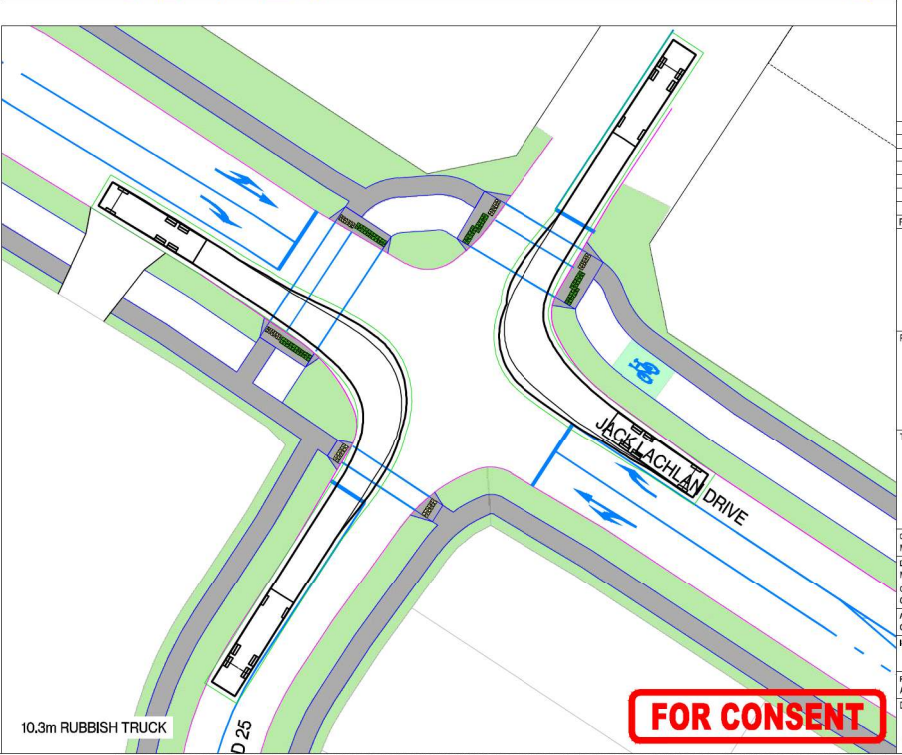
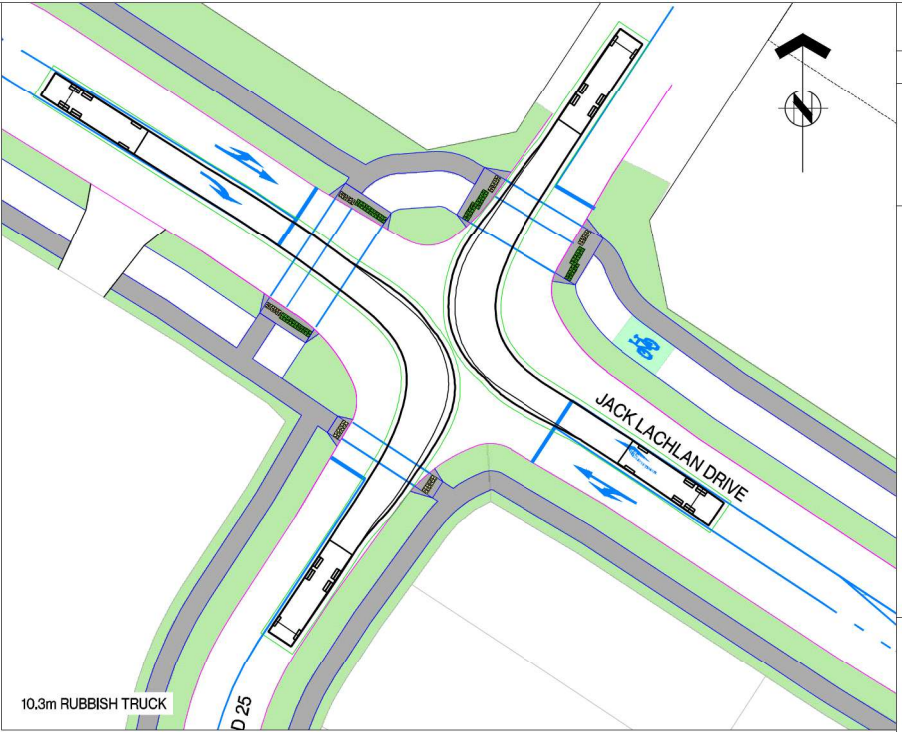
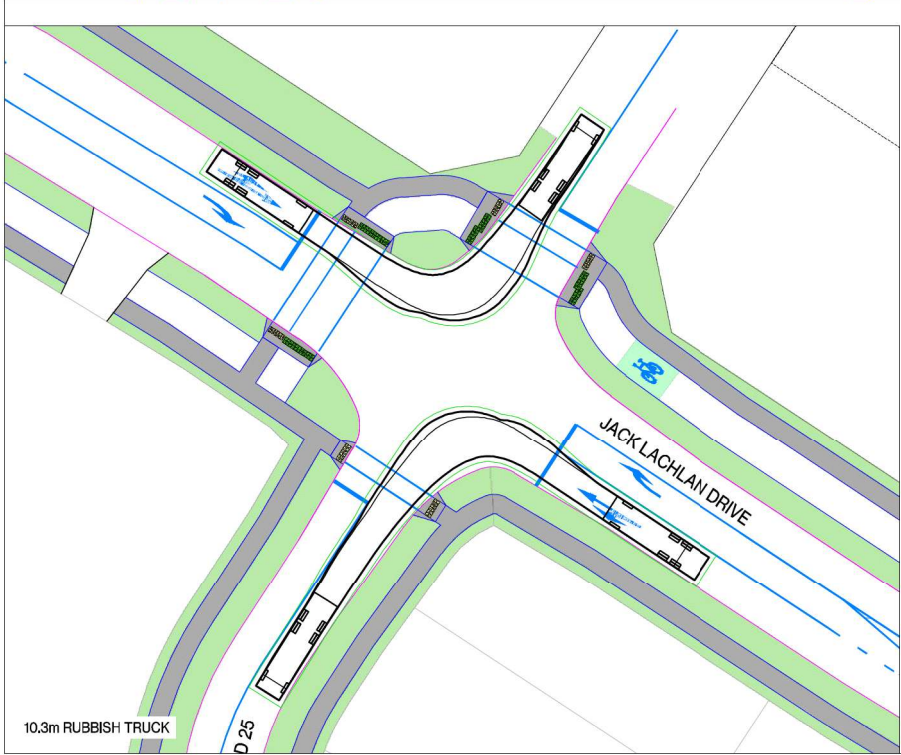
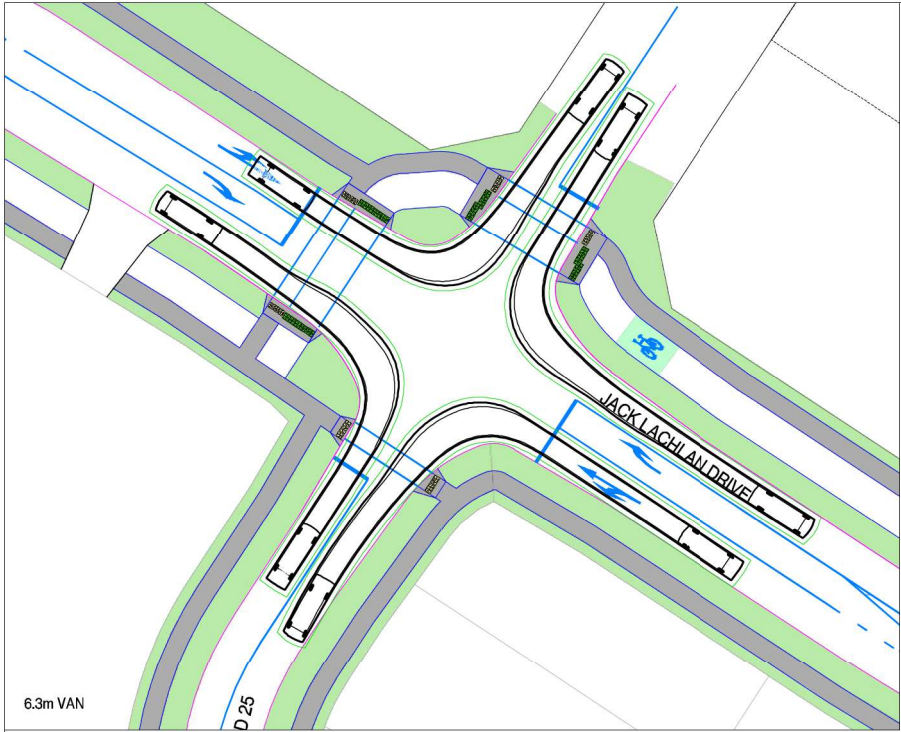
PROJECT No: A251559100	SCALES: A1: 1:250 A3: 1:500	A1
---------------------------	--------------------------------	----

A2515581.00	A3 1:500	REV
DRAWING No:		REV

A2515591.00-3580 A

FOR CONSENT

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES. File: LATE C:\AUTODESK\ACCDRAW\ACCDRAW\HARRISON GRIERSON US\REACHLANDS SOUTH EAST TRACK CONSENT\PROJECT FILES\01 DESIGN\07 TRAFFIC\04 SHEETS\A25155R100-3550.JLD TO INTERNAL.DWG





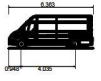
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

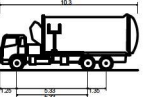
NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



AT Design Vehicle - 6.3m - Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.550m
Min Body Ground Clearance	0.209m
Max Track Width	1.810m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	7.200m



AT Check Vehicle - 10.3m - Rubbish Truck - Rear Steer

Overall Length	10.300m
Overall Width	2.550m
Overall Body Height	4.163m
Min Body Ground Clearance	0.443m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	47.00°

REF	REVISIONS	MP	DATE
A	FOR CONSENT	MP	05/2026

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE: JLD - ROAD 25 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3

ORIGINATOR	DATE	SIGNED	PLLOT BY:	MP
MP	05/2026			

DRAWN	DATE	SIGNED	PLLOT DATE	05/2026
MP	05/2026			

CHECKED	DATE	SIGNED	SURVEY BY:	HG
QXB	05/2026			

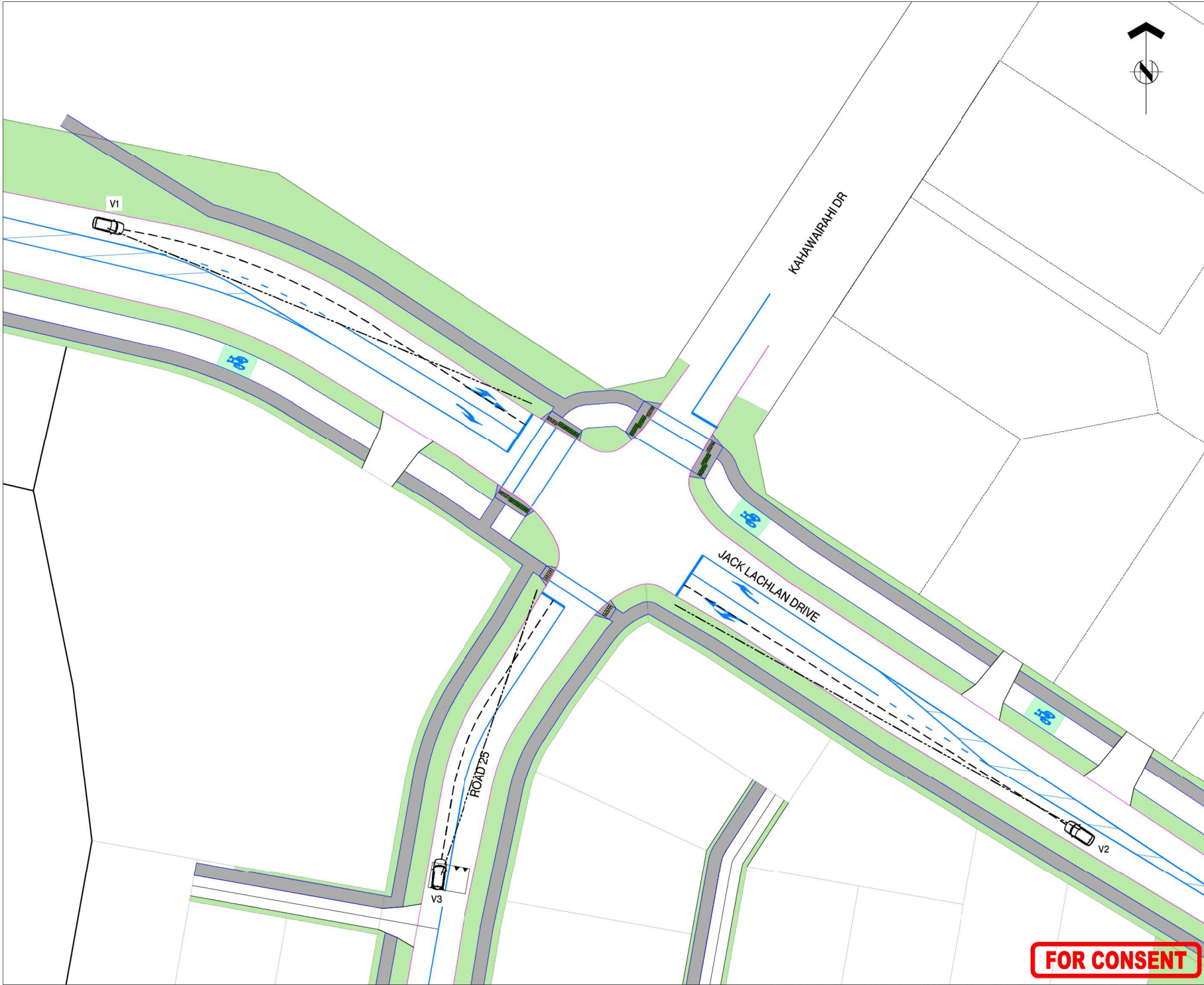
APPROVED	DATE	SIGNED	SURVEY DATE	01/2026
QXB	05/2026			

ISSUE STATUS

PROJECT No:	SCALE:	REV
A2515591.00	A1: 1:250 A3: 1:500	A1

DRAWING No: A2515591.00-3581 A

FOR CONSENT



NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. VISIBILITY ASSESSMENT SHOWING SIGHT LINE TOWARDS THE PRIMARY SIGNAL HEAD

LEGEND

- APPROACHING SIGHT DISTANCE
--- SIGHT LINE

AUSTROAD REQUIREMENT			
APPROACH SIGHT DISTANCE (ASD)			
	DESIGN SPEED (km/h)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	55	63.6	PASS
V2	55	63.6	PASS
V3	40	39.7	PASS

A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON
AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

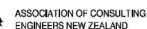
PROJECT: **BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: **JLD - ROAD 25 INTERSECTION
SCHEME PLAN
SHEET 3 OF 3**

ORIGINATOR	DATE: 05/2026	SIGNED:	PLOT BY:	MP
DRAWN:	DATE: 05/2026	SIGNED:	PLOT DATE:	05/2026
CHECKED:	DATE: 05/2026	SIGNED:	SURVEY BY:	HG
APPROVED:	DATE: 05/2026	SIGNED:	SURVEY DATE:	01/2026

FAST TRACK CONSENT			
PROJECT No:	SCALE:	A1	REV
A2515591.00	A1: 1:250 A3: 1:500		
DRAWING No:			
A2515591.00-3582			A

FOR CONSENT



ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING

NOTES:

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

- | | |
|---|----------------------------|
|  | PROPOSED WHITE ROADMARKING |
|  | PROPOSED ISLAND |
|  | PROPOSED KERB |
|  | PROPOSED EDGE OF SEAL |
|  | PROPOSED FOOTPATH |
|  | PROPOSED BERM |



A	FOR CONSENT	MIP	05/202
REF	REVISIONS	BY	DATE


**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 1 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

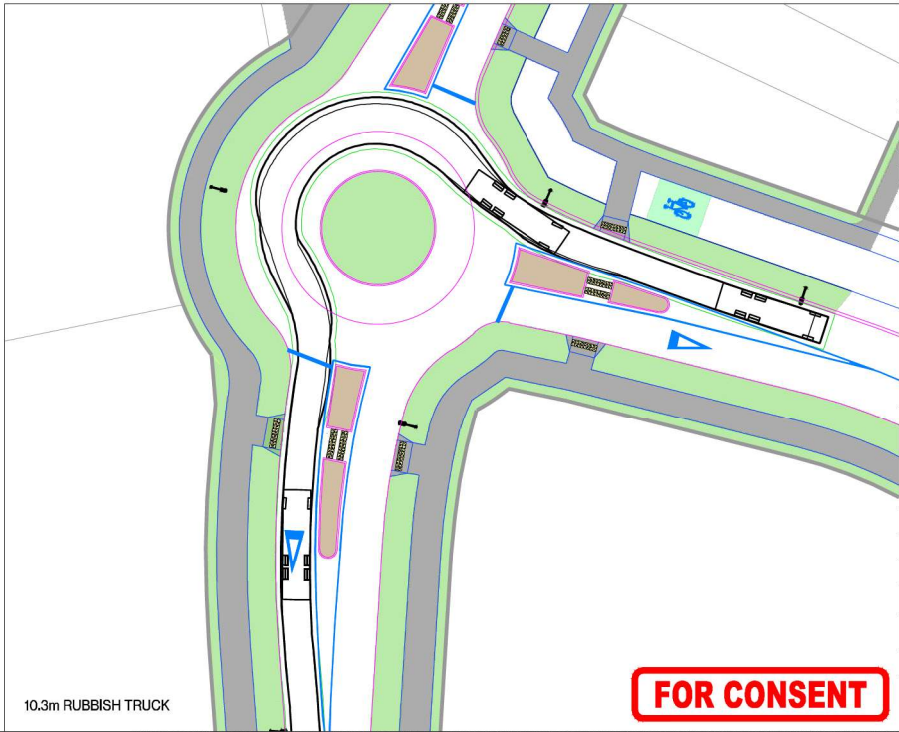
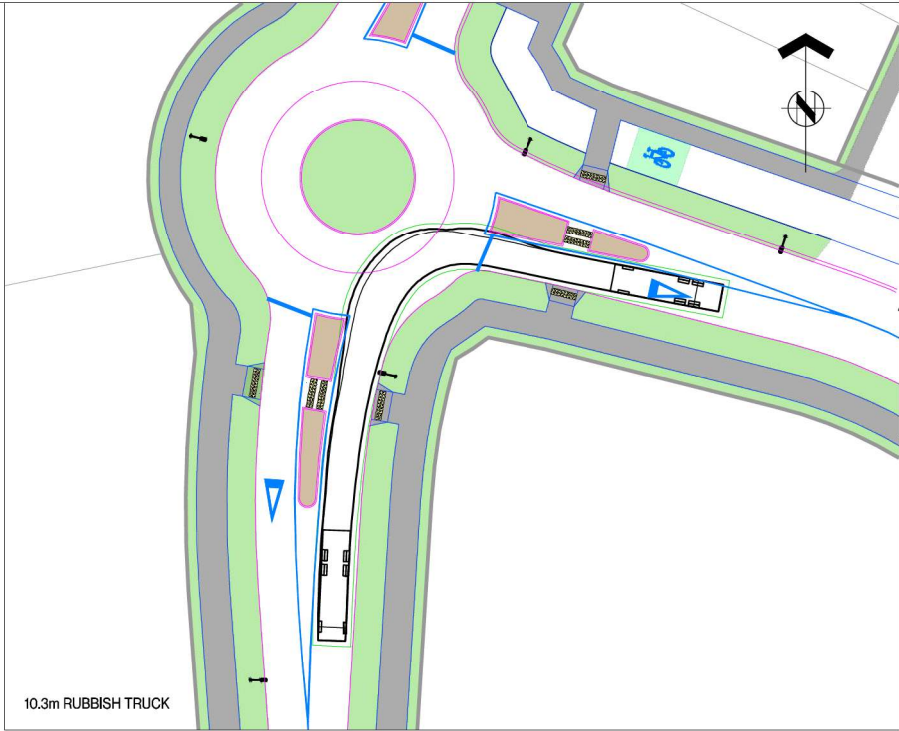
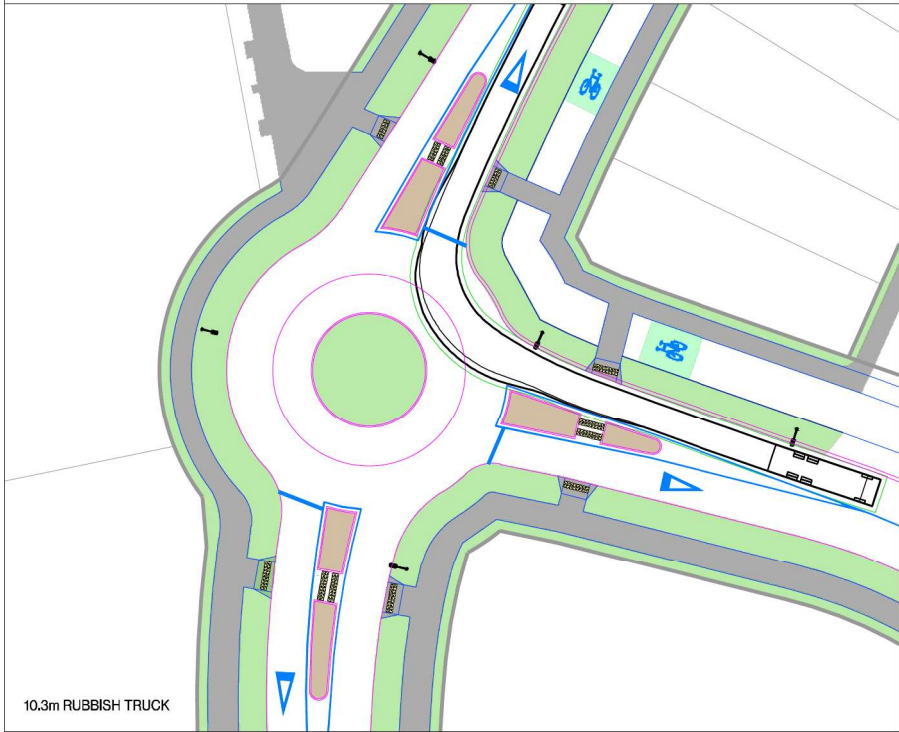
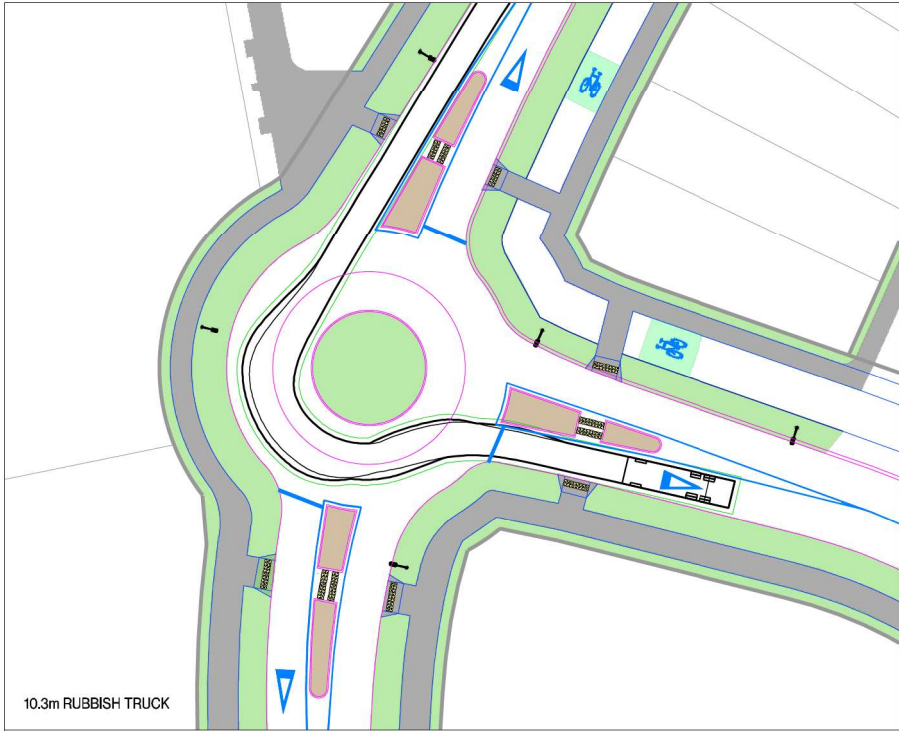
ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALE: A1 1:200 A3 1:400	A1
----------------------------	-----------------------------	----

DRAWING No:	REV
A2515591.00-3600	A

FOR CONSENT





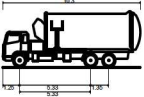
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS. LIMITED LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE.



AT Check Vehicle - 10.3m Rubbish Truck - Rear Steer
Overall Length 10.30m
Overall Width 2.550m
Overall Body Height 4.153m
Min Body Ground Clearance 0.443m
Track Width 2.550m
Lock-to-lock time 6.00s
Max Steering Angle (Virtual) 47.00°

REF	REVISIONS	MP	DATE
A	FOR CONSENT	MP	05/2026

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 3 OF 6

ORIGINATOR	DATE	SIGNED	PLLOT BY:
MP	05/2026		MP
DRAWN:	DATE:	SIGNED:	PLLOT DATE:
MP	05/2026		29/05/26
CHECKED:	DATE:	SIGNED:	SURVEY BY:
QXB	05/2026		HG
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
QXB	05/2026		01/2026

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No:	SCALE:	REV
A2515591.00	A1 1:250 A3 1:500	A1
DRAWING No:		REV
A2515591.00-3602		A

FOR CONSENT



THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED, WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORISED USE OF THIS DRAWING

1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

— — — APPROACHING SIGHT DISTANCE

— - - - SIGHT LINE

APPROACH SIGHT DISTANCE (ASD)

	DESIGN SPEED (km/h)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	50	55.1	PASS
V2	50	55.1	PASS
V3	50	55.1	PASS

A	FOR CONSENT	MIP	05/202
REF	REVISIONS	BY	DATE

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisonsgrilson.com

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

TITLE: INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 4 OF 6

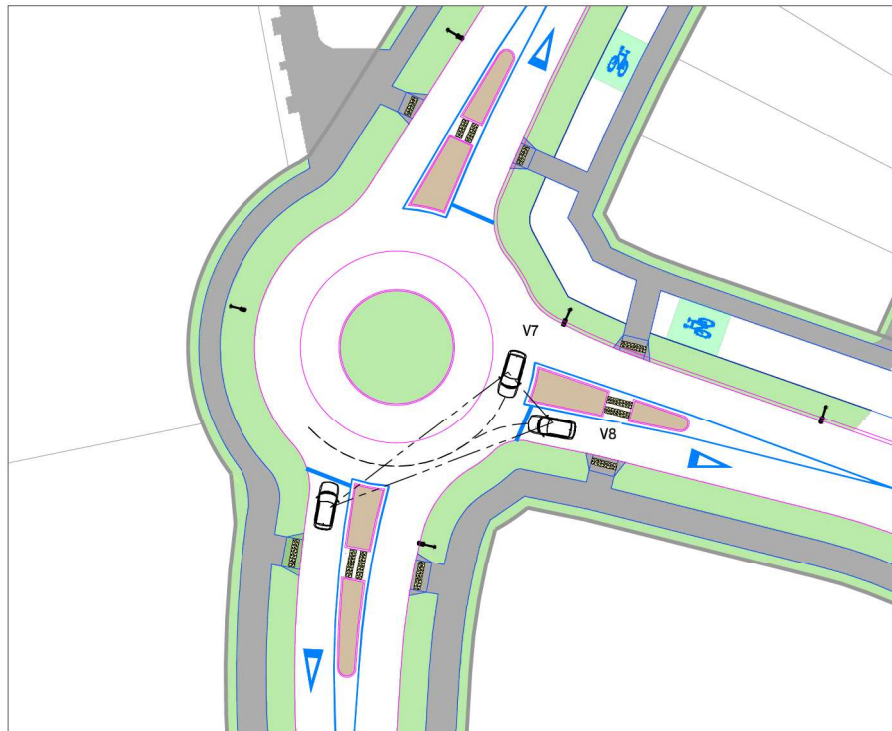
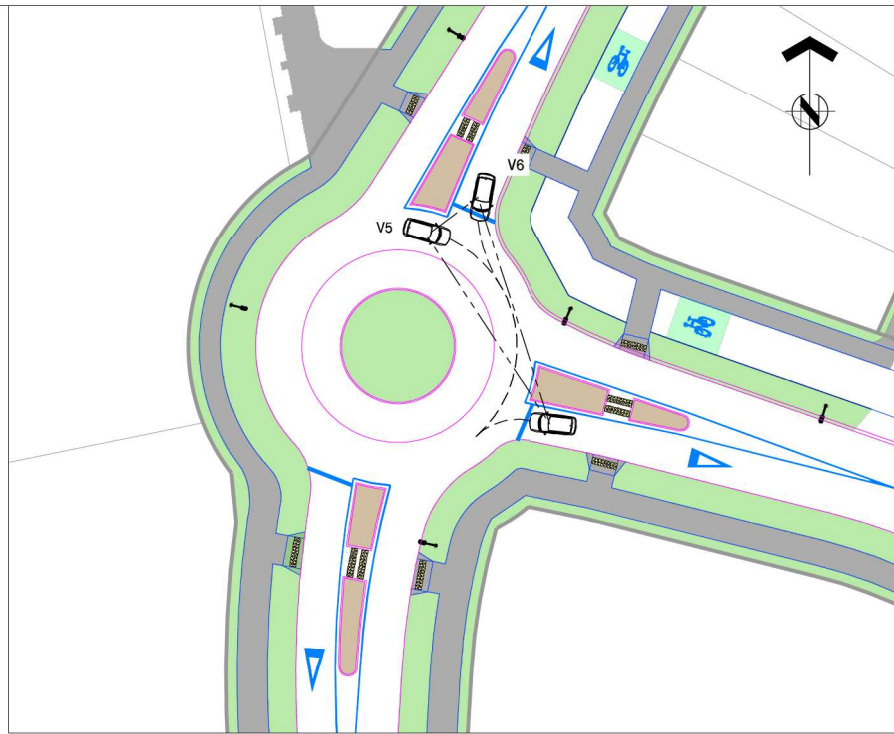
ORDINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

FAST TRACK CONSENT

PROJECT No: A251559100	SCALES: A11:250 A3 1:500	A1
---------------------------	-----------------------------	----

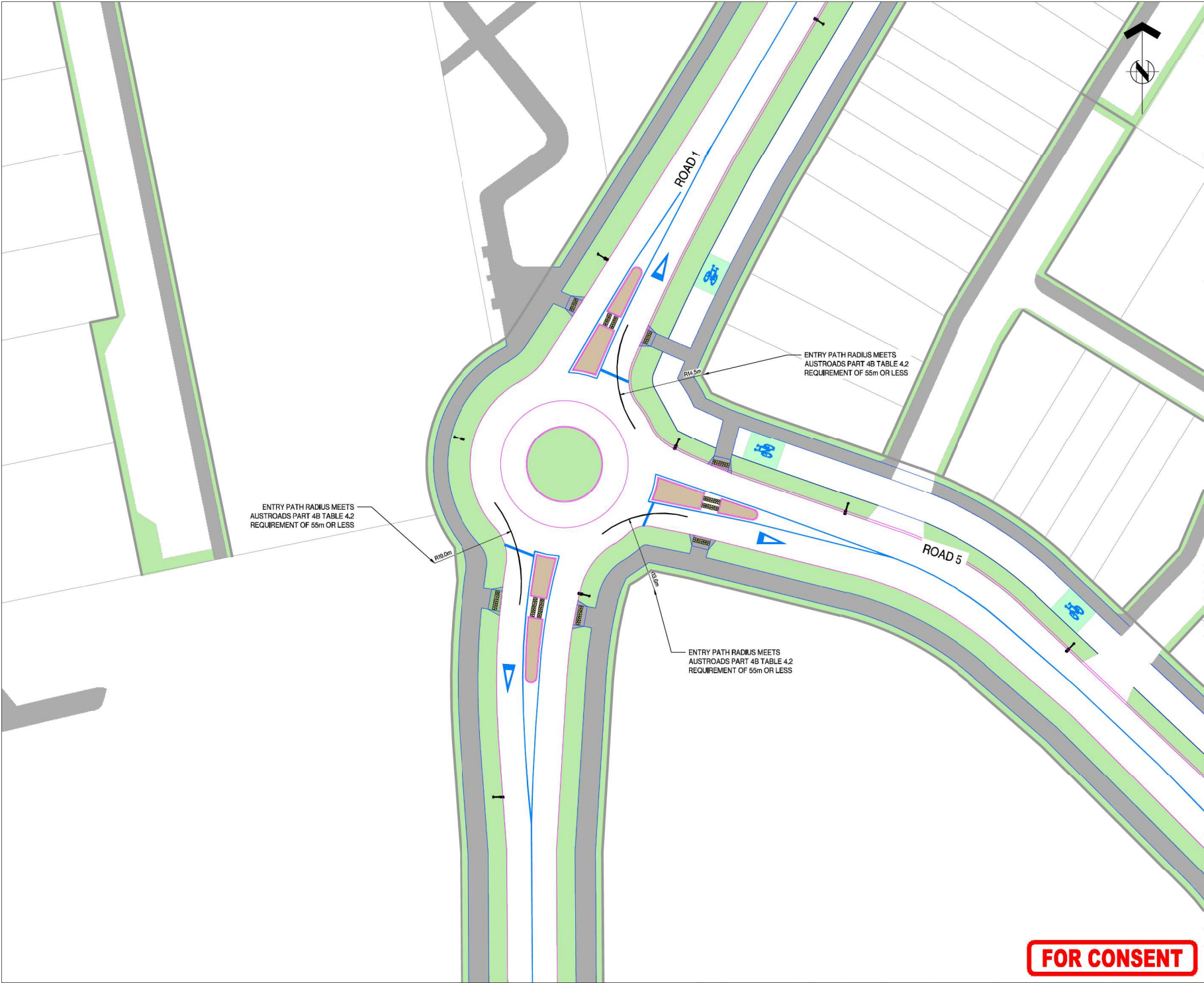
A2515591.00-3603 A

FOR CONSENT



DRAWING No:	REV
A2515591.00-3604	A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTRADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

- MEETS ENTRY PATH RADIUS REQUIREMENTS
- FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

REF	REVISIONS	MP	DATE
A	FOR CONSENT	MP	05/2026



AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT: BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE: INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 6 OF 6

ORIGINATOR	DATE	SIGNED	PLOT BY
MP	05/2026		MP

DRAWN	DATE	SIGNED	PLOT DATE
MP	05/2026		29/05/26

CHECKED	DATE	SIGNED	SURVEY BY
QXB	05/2026		HG

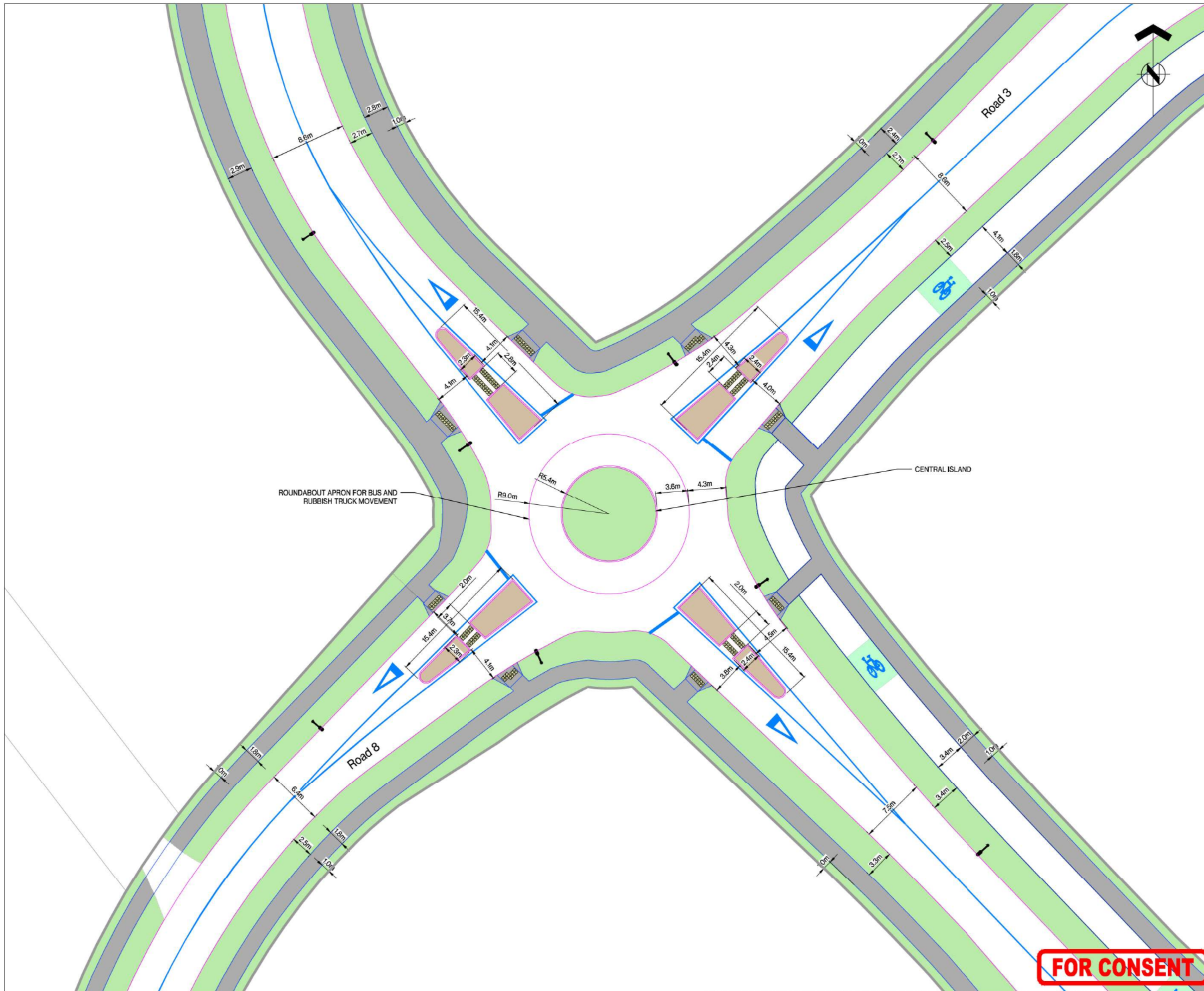
APPROVED	DATE	SIGNED	SURVEY DATE
QXB	05/2026		01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:250 A3 1:500	

DRAWING No:	REV
A2515591.00-3605	A

FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

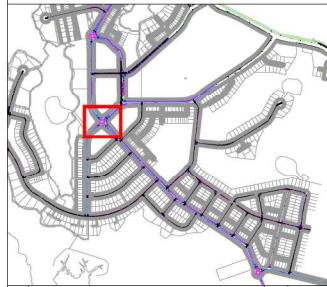
THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS. LIMITED LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

- PROPOSED WHITE ROADMARKING
- PROPOSED ISLAND
- PROPOSED KERB
- PROPOSED EDGE OF SEAL
- PROPOSED FOOTPATH
- PROPOSED BERM



A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 1 OF 6

ORIGINATOR	DATE: 05/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 05/2026	SIGNED:	PLOT DATE:
MP			29/05/26
CHECKED:	DATE: 05/2026	SIGNED:	SURVEY BY:
QXB			HG
APPROVED:	DATE: 05/2026	SIGNED:	SURVEY DATE:
QXB			01/2026

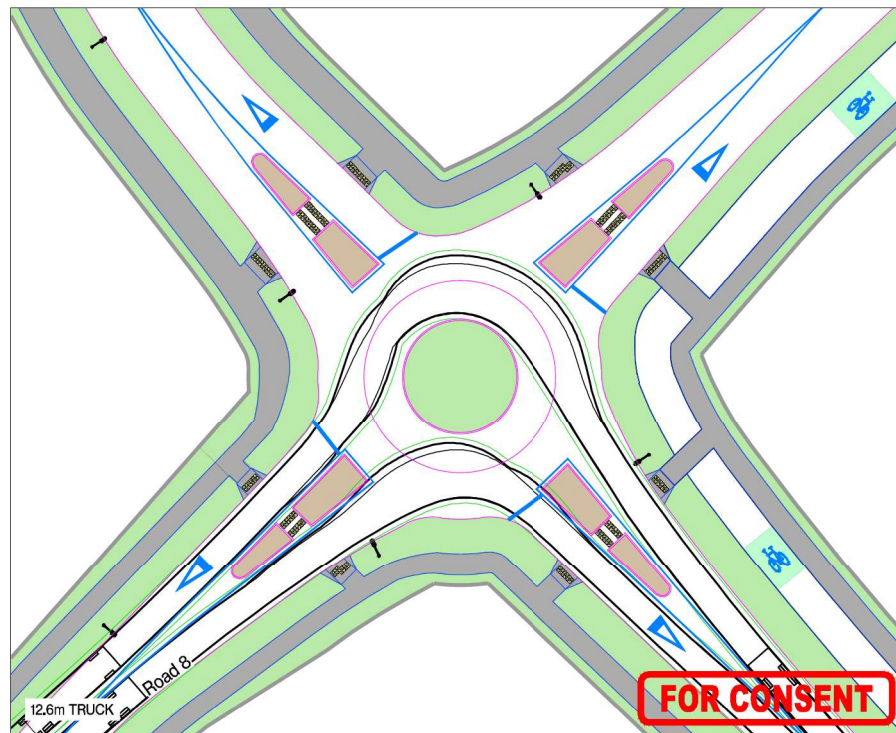
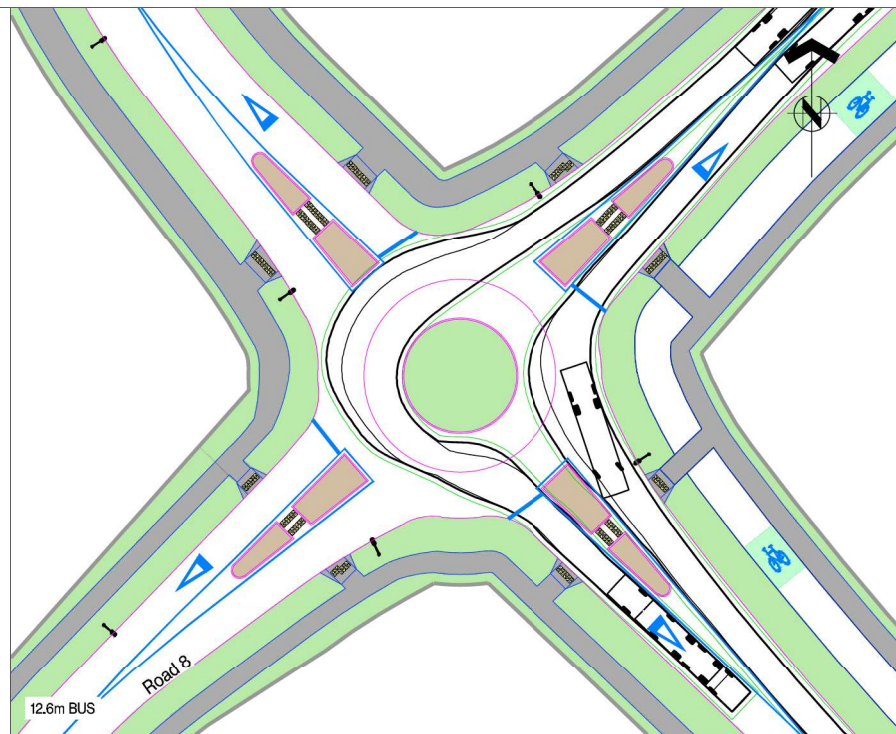
ISSUE STATUS:

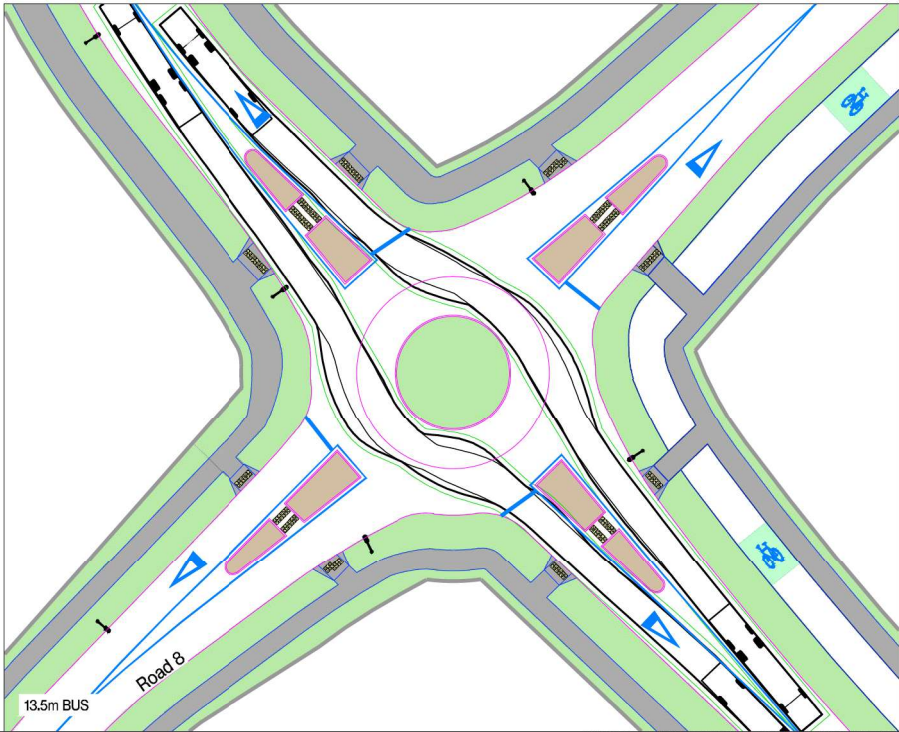
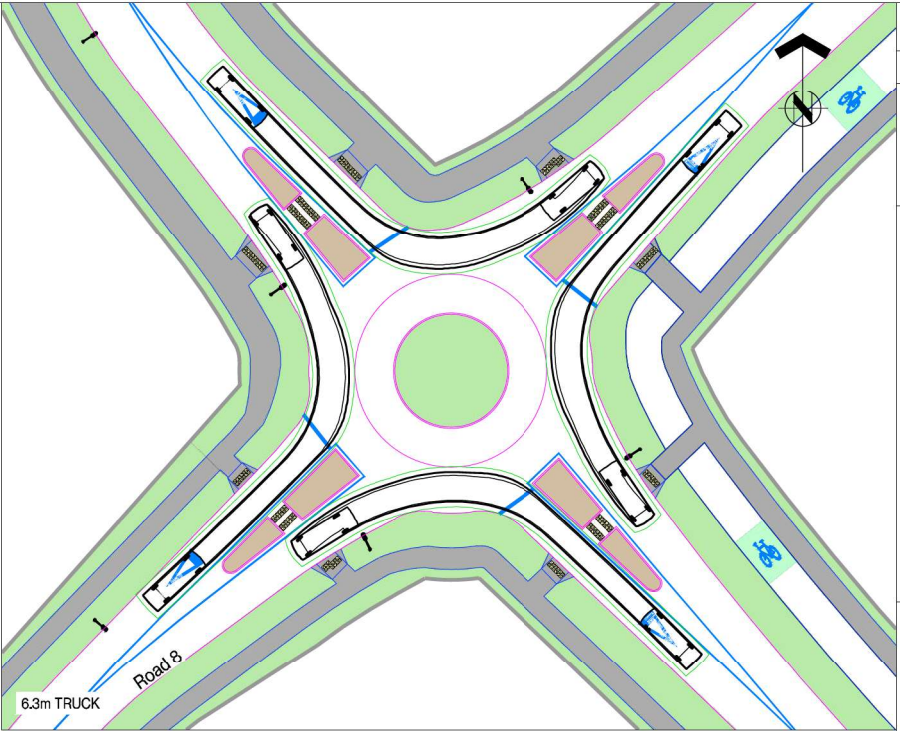
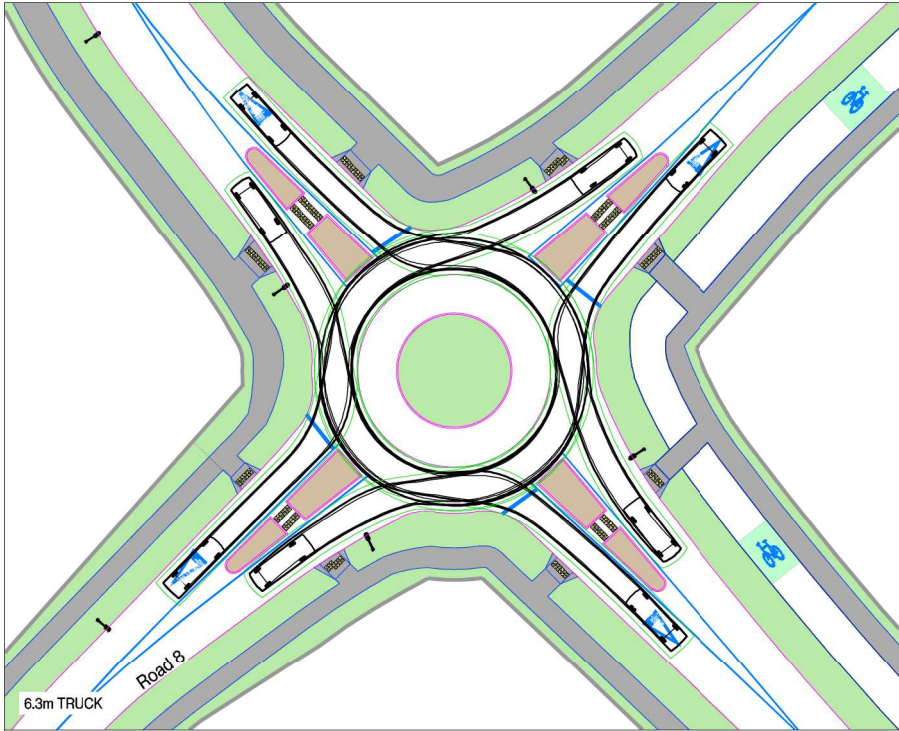
FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:200 A3 1:400	REV
DRAWING No:		REV

A2515591.00-3610 A

FOR CONSENT







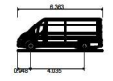
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

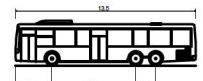
NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE.



AT Design Vehicle - 6.3m - Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.450m
Min Body Ground Clearance	0.200m
Max Track Width	1.810m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	7.200m



AT Check Vehicle - 13.5m - Urban Bus - Rear Steer

Overall Length	13.500m
Overall Width	2.550m
Overall Body Height	3.373m
Min Body Ground Clearance	0.350m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	47.00°

A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

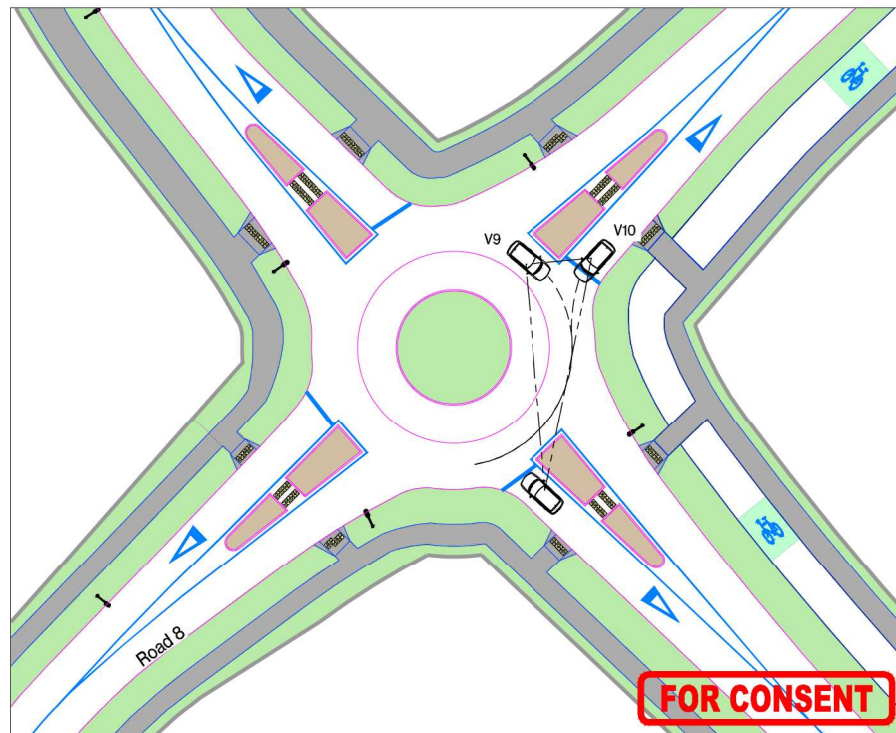
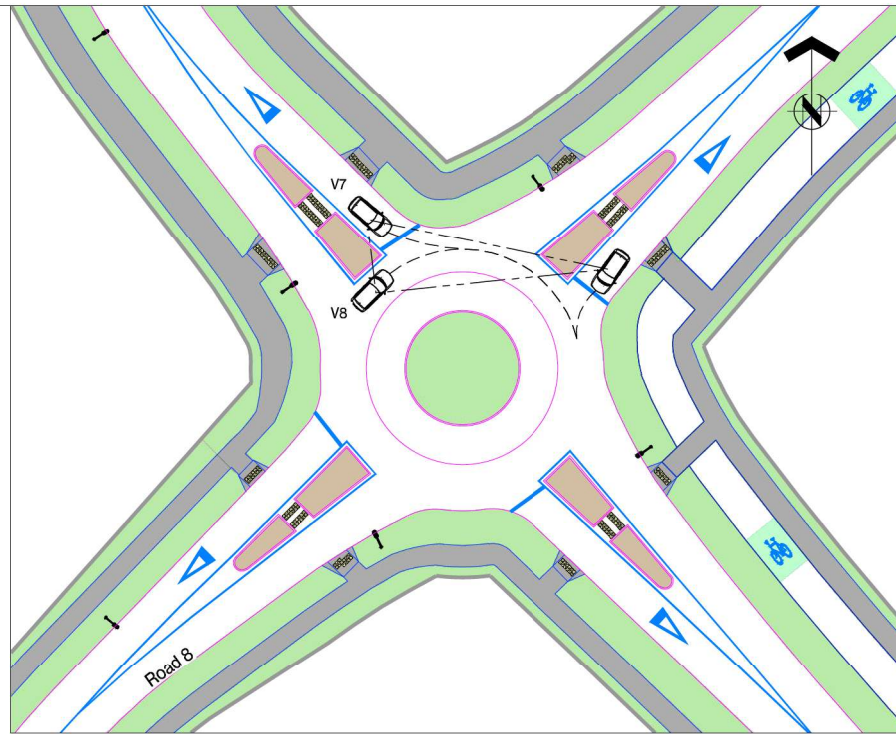
TITLE:
INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 3 OF 6

ORIGINATOR	DATE: 05/2026	SIGNED:	PLOT BY:
MP			MP
DRAWN:	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
MP			
CHECKED:	DATE: 05/2026	SIGNED:	SURVEY BY: HG
QXB			
APPROVED:	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026
QXB			

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:250 A3 1:500	REV
DRAWING No:		REV
A2515591.00-3612		A

FOR CONSENT



1. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

MEETS ENTRY PATH RADIUS REQUIREMENTS

FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

A	FOR CONSENT	MIP	05/201
REF	REVISIONS	RY	DATE

**HARRISON
GRIERSON**

PROJECT:

**BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND**

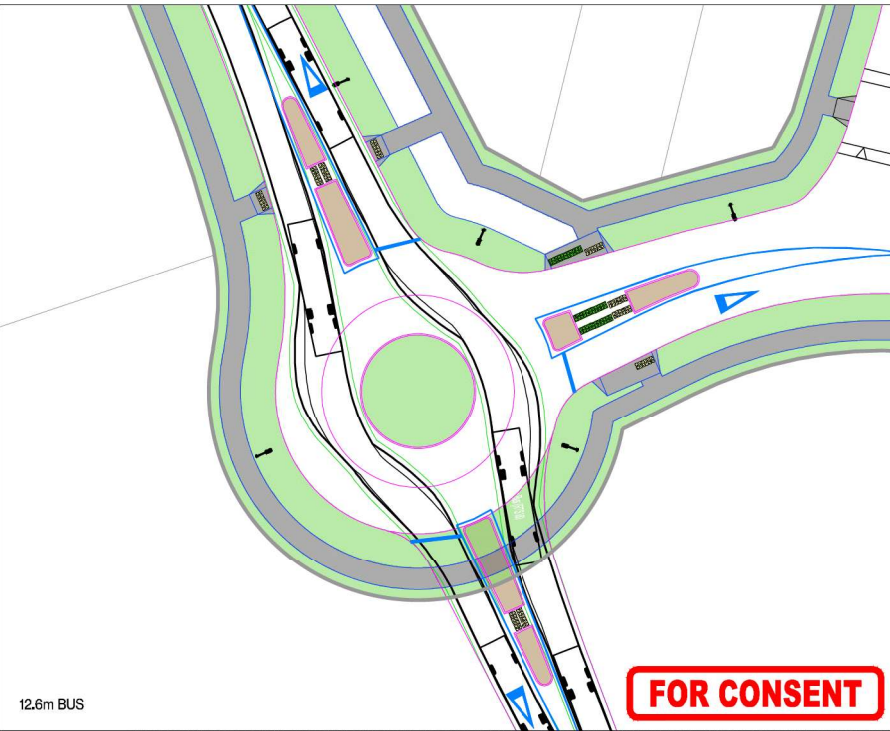
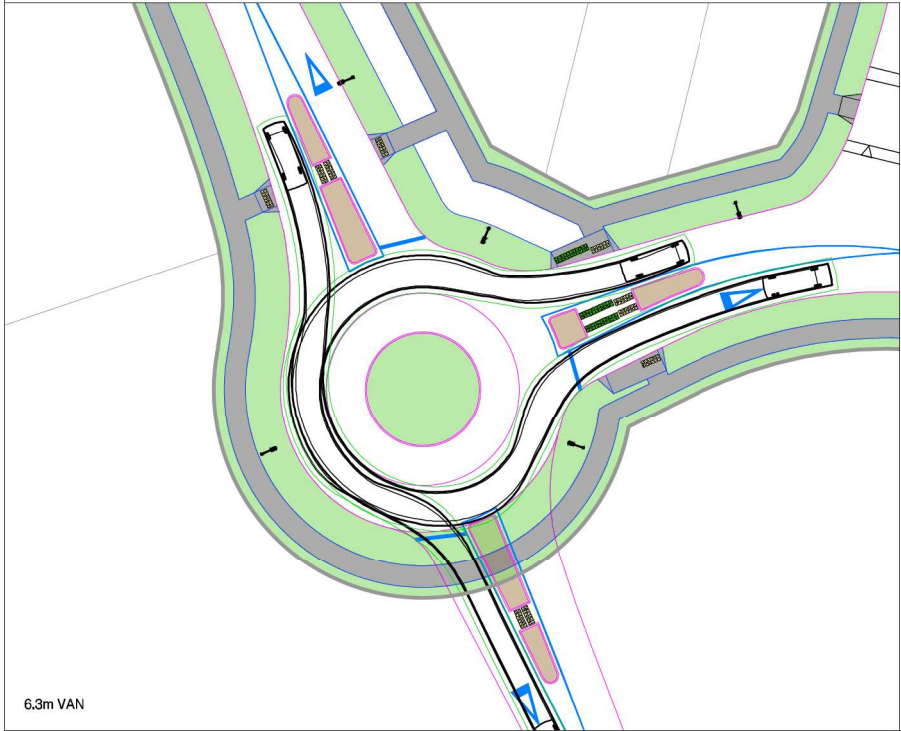
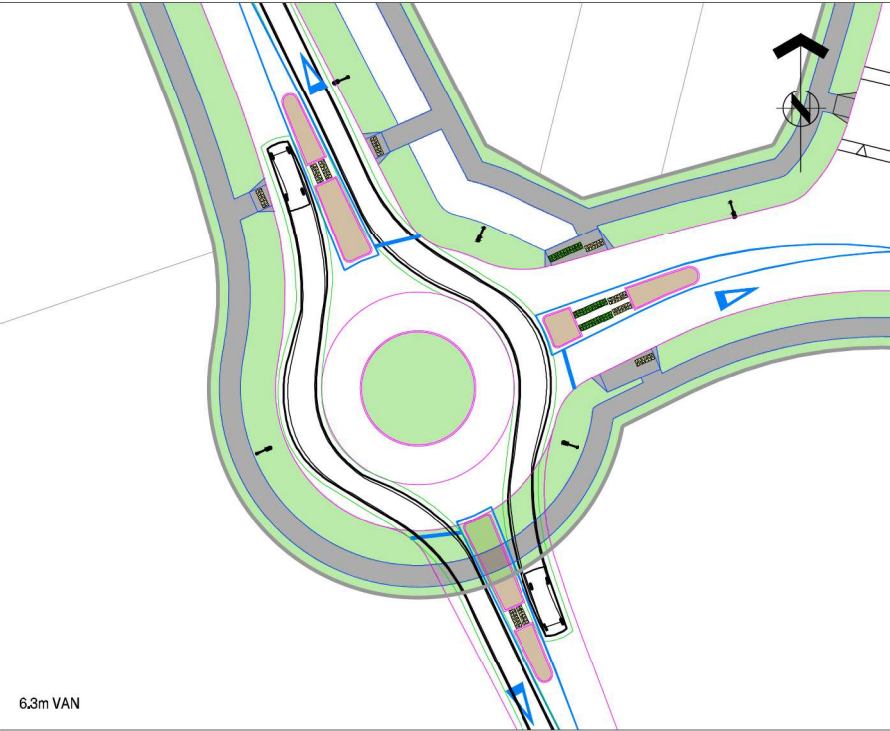
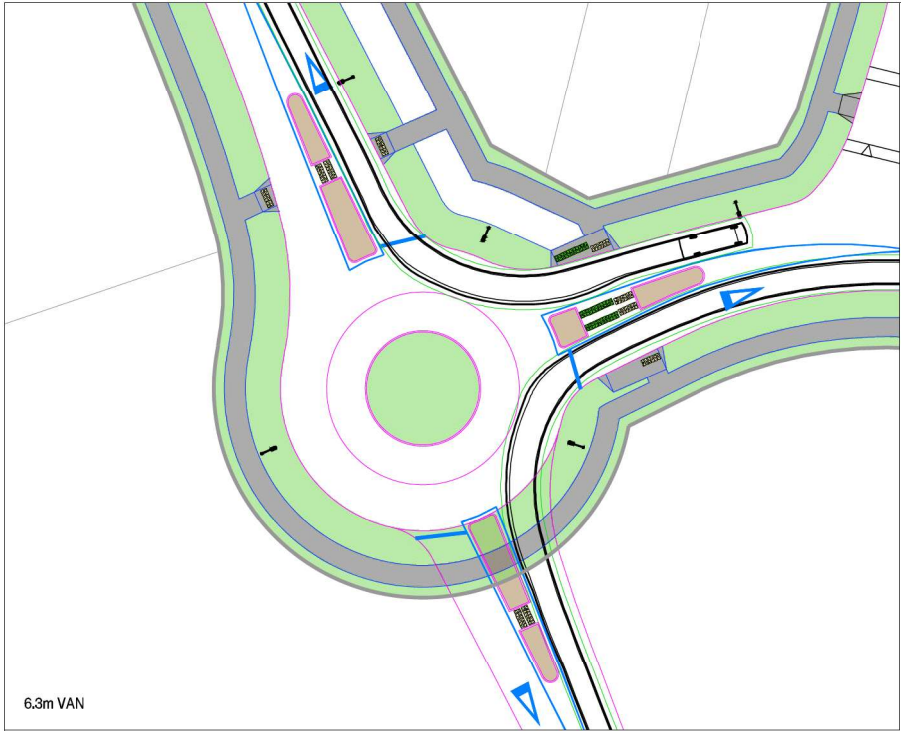
TITLE: **INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 6 OF 6**

ORIGINATOR: MP	DATE: 05/2026	SIGNED:	PLOT BY:
DRAWN: MP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY:
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	AT
DRAWING No:		REV
A2515591.00-3615		A

FOR CONSENT





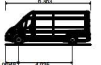
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

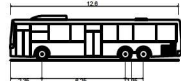
NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE.



AT Design Vehicle - 6.3m - Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.552m
Min Body Ground Clearance	0.269m
Max Track Width	1.810m
Lock-to-lock time	4.00s
Curb-to-Curb Turning Radius	7.200m



AT Design Vehicle - 12.6m - Urban Bus (RTS18)

Overall Length	12.600m
Overall Width	2.500m
Overall Body Height	3.311m
Min Body Ground Clearance	0.269m
Track Width	2.500m
Lock-to-lock time	6.00s
Walk to Walk Turning Radius	12.500m

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MP	05/2026

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:
INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 2 OF 6

ORIGINATOR	DATE	SIGNED	PLLOT BY:
MP	05/2026		MP

DRAWN	DATE	SIGNED	PLLOT DATE
MP	05/2026		29/05/26

CHECKED	DATE	SIGNED	SURVEY BY:
QXB	05/2026		HG

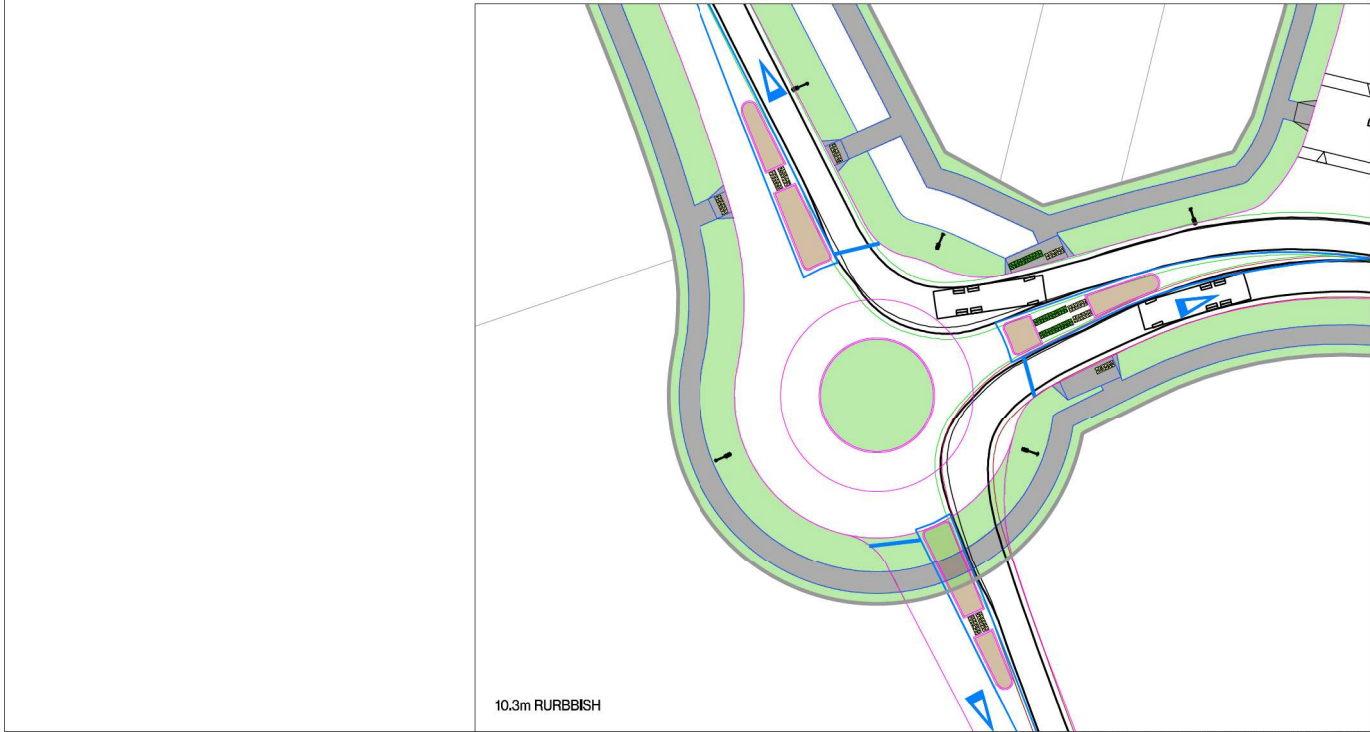
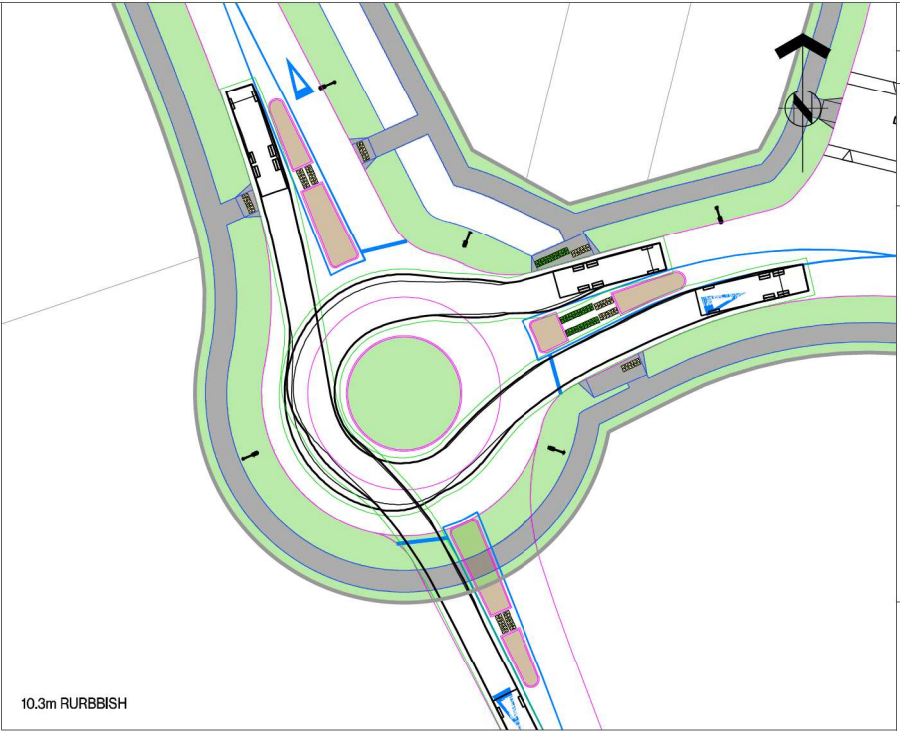
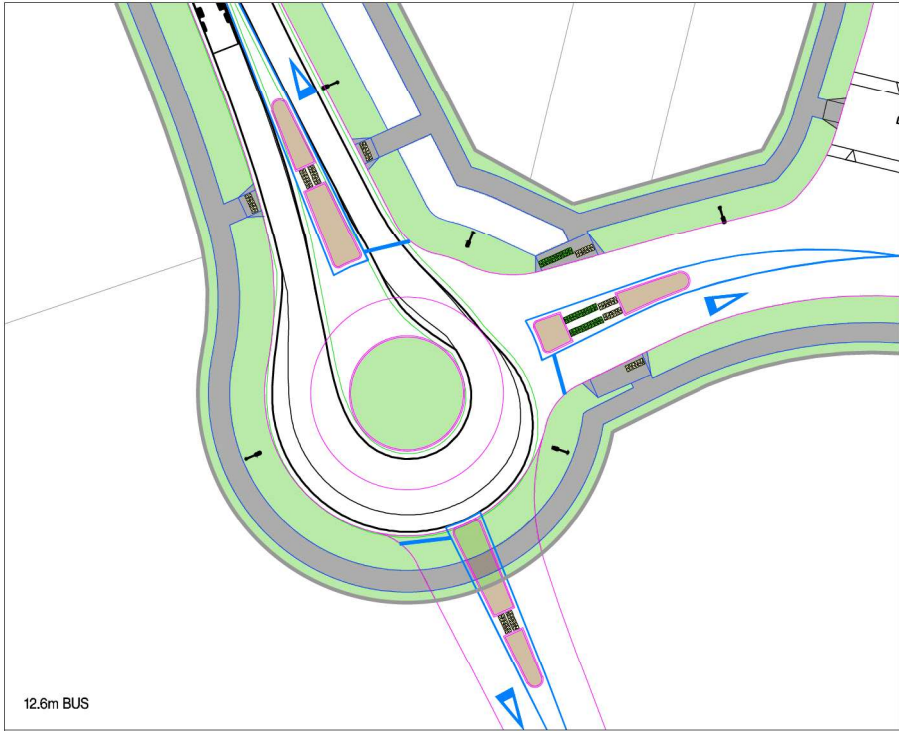
APPROVED	DATE	SIGNED	SURVEY DATE
QXB	05/2026		01/2026

ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No:	SCALES	REV
A2515591.00	A1 1:250 A3 1:500	A1

DRAWING No: A2515591.00-3621 A

FOR CONSENT





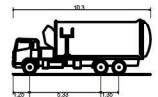
ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

THIS DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

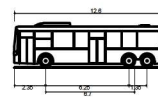
NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE.



AT Check Vehicle - 10.3m - Rubbish Truck - Rear View

Overall Length	10.300m
Overall Width	2.500m
Overall Body Height	4.193m
Min Body Ground Clearance	0.443m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	47.00°



AT Design Vehicle - 12.6m - Urban Bus (RTS18)

Overall Length	12.600m
Overall Width	2.500m
Overall Body Height	3.311m
Min Body Ground Clearance	0.265m
Track Width	2.500m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	12.500m

A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

HARRISON GRIERSON

AUCKLAND OFFICE
Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisingrierson.com

PROJECT:
BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

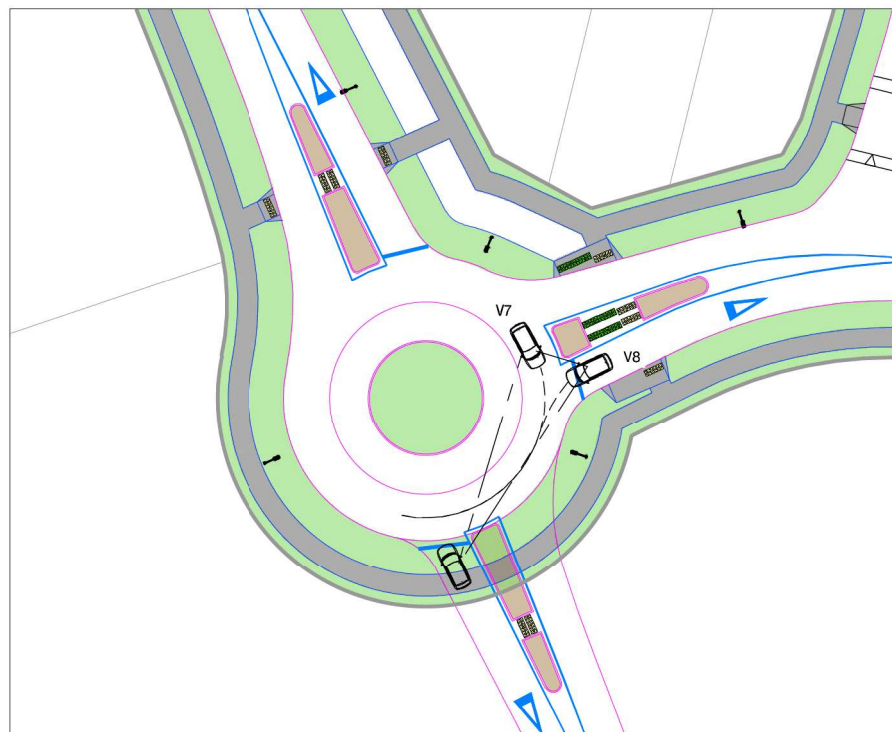
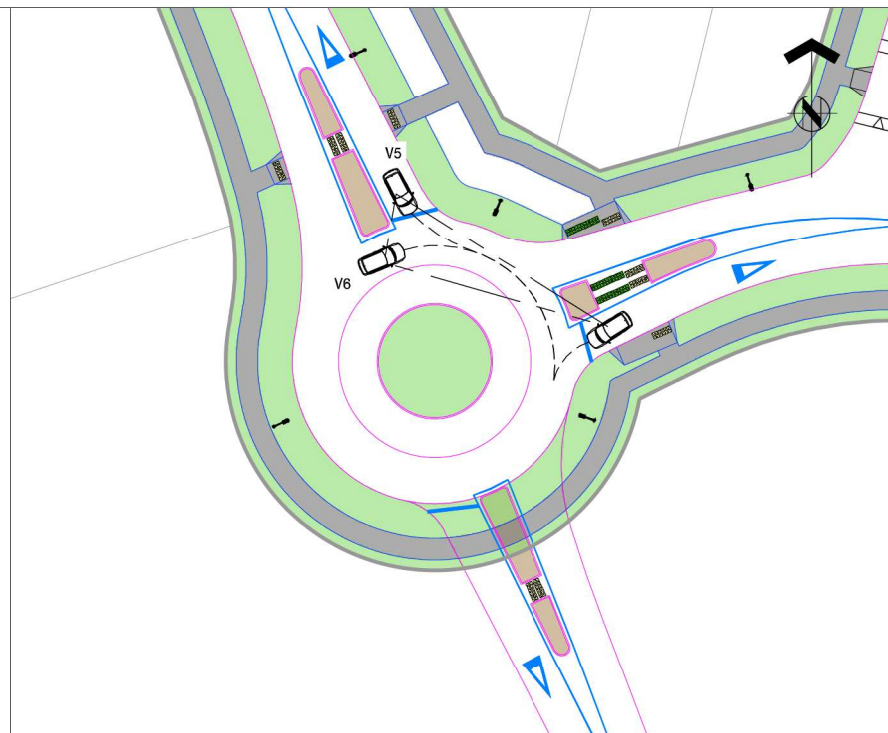
TITLE:
INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 3 OF 6

ORIGINATOR	DATE	SIGNED	PLLOT BY:
MP	05/2026		MP
DRAWN	DATE	SIGNED	PLLOT DATE:
MP	05/2026		29/05/26
CHECKED	DATE	SIGNED	SURVEY BY:
QXB	05/2026		HG
APPROVED	DATE	SIGNED	SURVEY DATE:
QXB	05/2026		01/2026

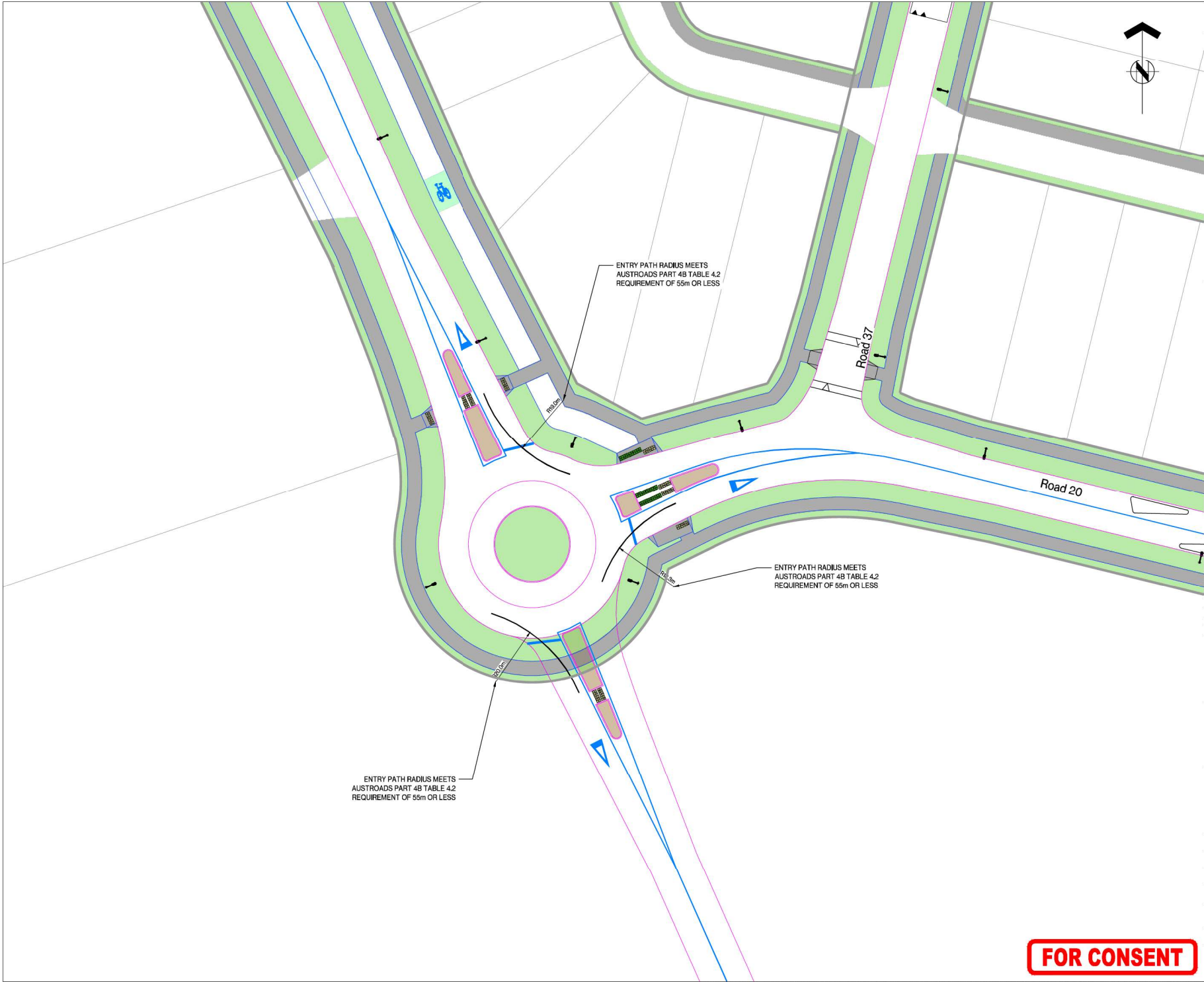
ISSUE STATUS:
FAST TRACK CONSENT

PROJECT No:	SCALE:	A1
A2515591.00	A1 1:250 A3 1:500	REV
DRAWING No:		REV
A2515591.00-3622		A

FOR CONSENT



FOR CONSENT





ASSOCIATION OF CONSULTING
ENGINEERS NEW ZEALAND

ISO 9001
QUALITY
ASSURED

T-16: DRAWING AND DESIGN REMAINS THE PROPERTY OF, AND MAY NOT BE REPRODUCED OR ALTERED WITHOUT THE WRITTEN PERMISSION OF HARRISON GRIERSON CONSULTANTS LIMITED. NO LIABILITY SHALL BE ACCEPTED FOR UNAUTHORIZED USE OF THIS DRAWING.

NOTES:

- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND COUNCIL ENGINEERING STANDARDS.
- ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTRADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

MEETS ENTRY PATH RADIUS REQUIREMENTS

FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

A	FOR CONSENT	MP	05/2026
REF	REVISIONS	BY	DATE

**HARRISON
GRIERSON**

AUCKLAND OFFICE
Level 4, 96 St Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
W www.harrisongrierson.com

PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 6 OF 6

ORIGINATOR:	DATE:	SIGNED:	PLOT BY:
MP	05/2026		MP
DRAWN:	DATE:	SIGNED:	PLOT DATE:
MP	05/2026		29/05/26
CHECKED:	DATE:	SIGNED:	SURVEY BY:
QXB	05/2026		HG
APPROVED:	DATE:	SIGNED:	SURVEY DATE:
QXB	05/2026		01/2026

ISSUE STATUS:

FAST TRACK CONSENT

PROJECT No:	SCALE:	REV
A2515591.00	A1 1:250 A3 1:500	A1
DRAWING No:		REV
A2515591.00-3625		A

FOR CONSENT