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NOTES:

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

LEGEND

- PROPERTY BOUNDARY
- EXISTING ROAD FEATURES
- EXISTING TREE DRIPLINE

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	06/2026

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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

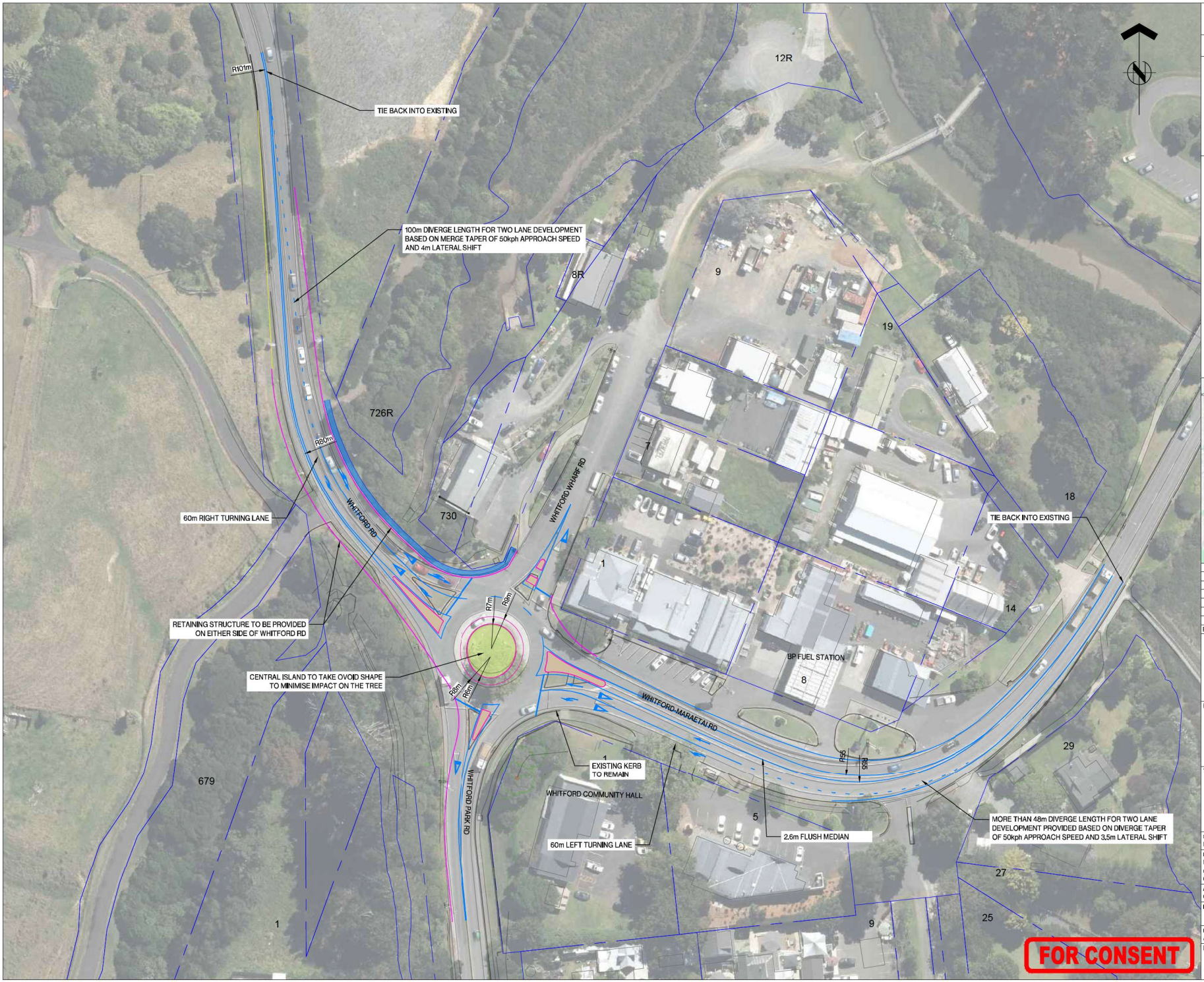
ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 06/2026	SIGNED:	PLOT DATE: 05/06/26
CHECKED: GXB	DATE: 06/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No:	SCALES:	
A2515591.00	A1 1:500 A3 1:1000	A1

DRAWING No: A2515591.00-3500

REV A



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LEGEND

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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WHITFORD RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 2 OF 7

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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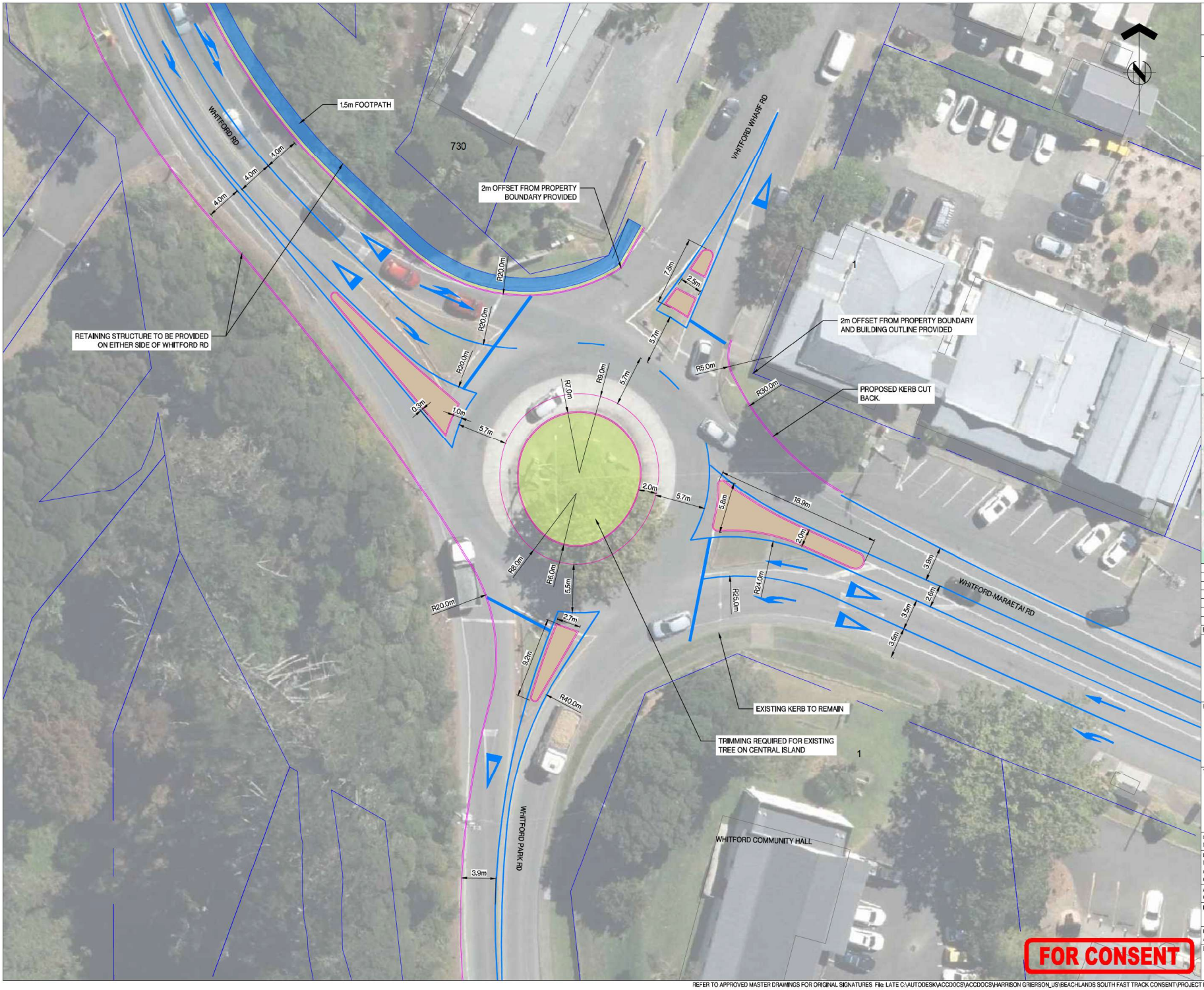
APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:500 A3 1:1000	A1
DRAWING No: A2515591.00-3501		REV A



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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:200 A3 1:400	A1
DRAWING No: A2515591.00-3502		REV A

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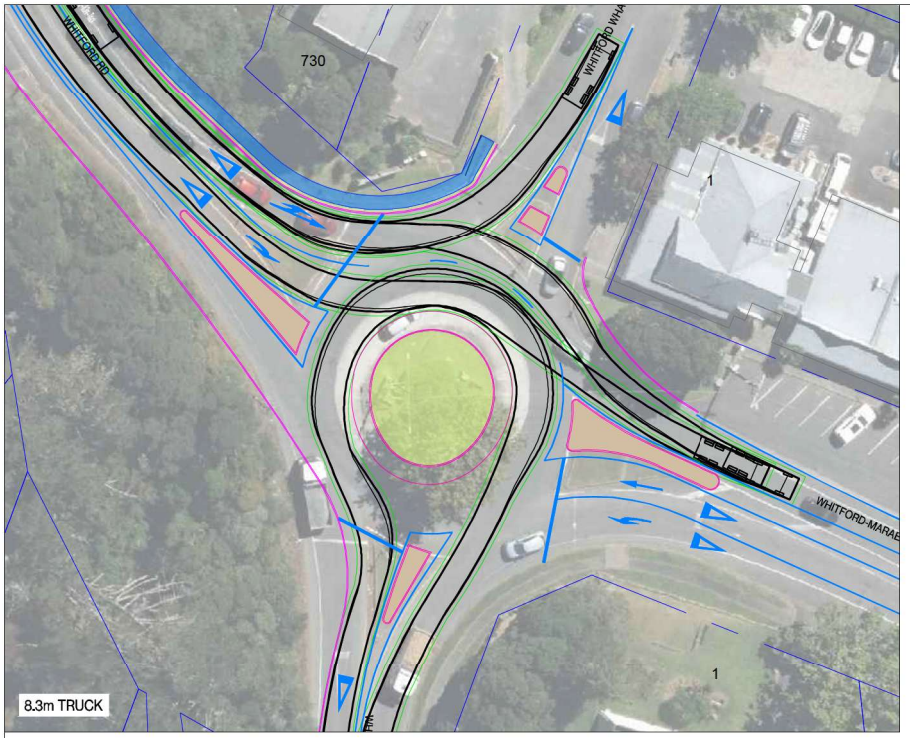

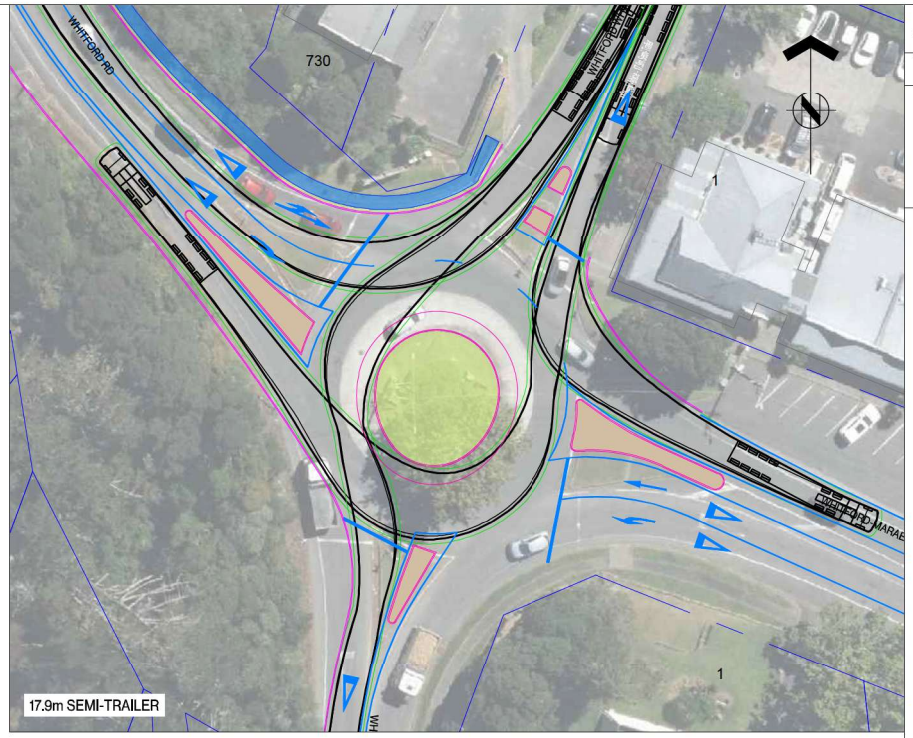

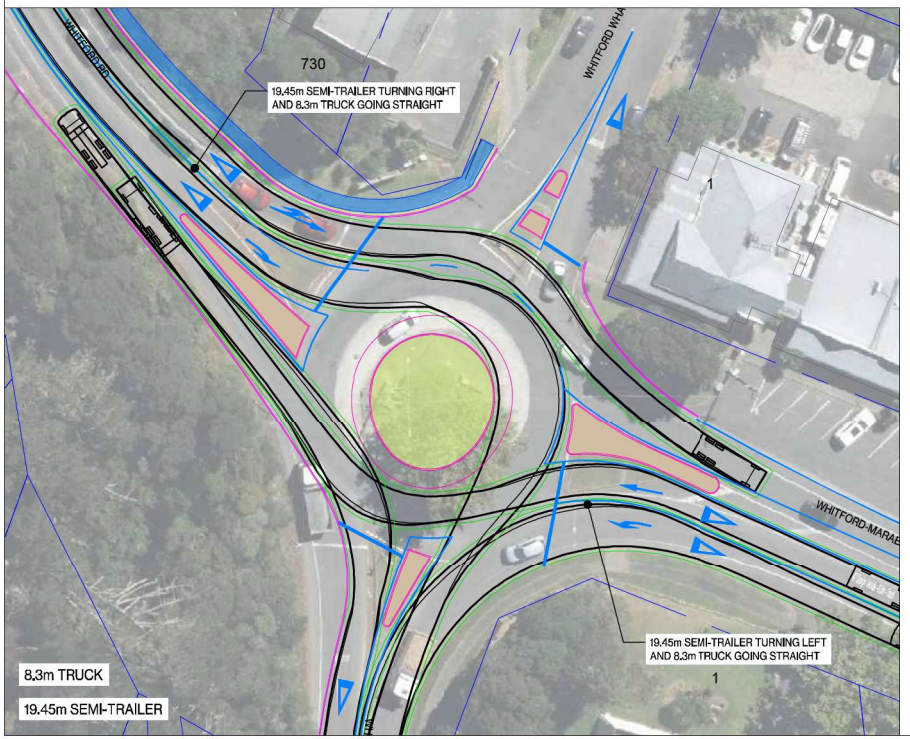

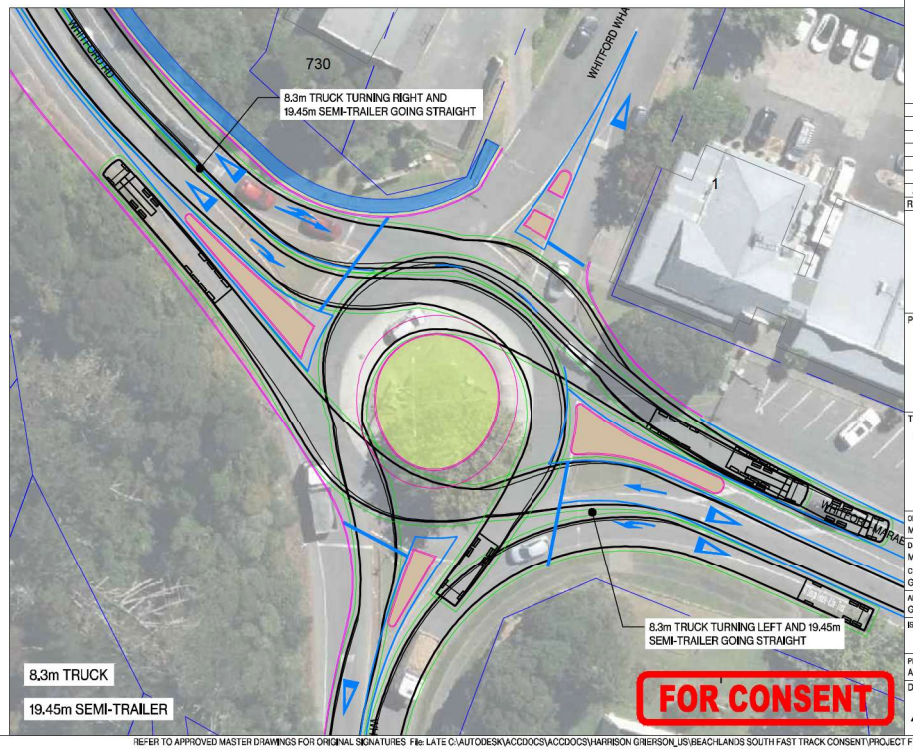

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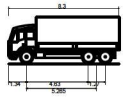
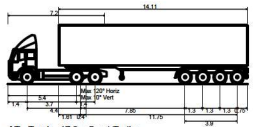
2. ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



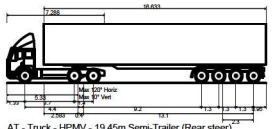
AT - Truck - 8.3m Truck

Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
Min Body Ground Clearance	0.373m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	40.20°



AT - Truck - 17.9m Semi-Trailer

Overall Length	17.900m
Overall Width	2.550m
Overall Body Height	4.371m
Min Body Ground Clearance	0.311m
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	19.380m
Overall Width	2.550m
Overall Body Height	4.386m
Min Body Ground Clearance	0.311m
Track Width	2.550m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	12.500m

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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CHECKED: GXB	DATE: 06/2026	SIGNED:	SURVEY BY: HG
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:300 A3 1:600	A1
DRAWING No: A2515591.00-3503		REV A

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NOTES:

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2. VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

PROPERTY BOUNDARY

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT

APPRROACH 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

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

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
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:400 A3 1:800	A1
DRAWING No: A2515591.00-3504		REV A

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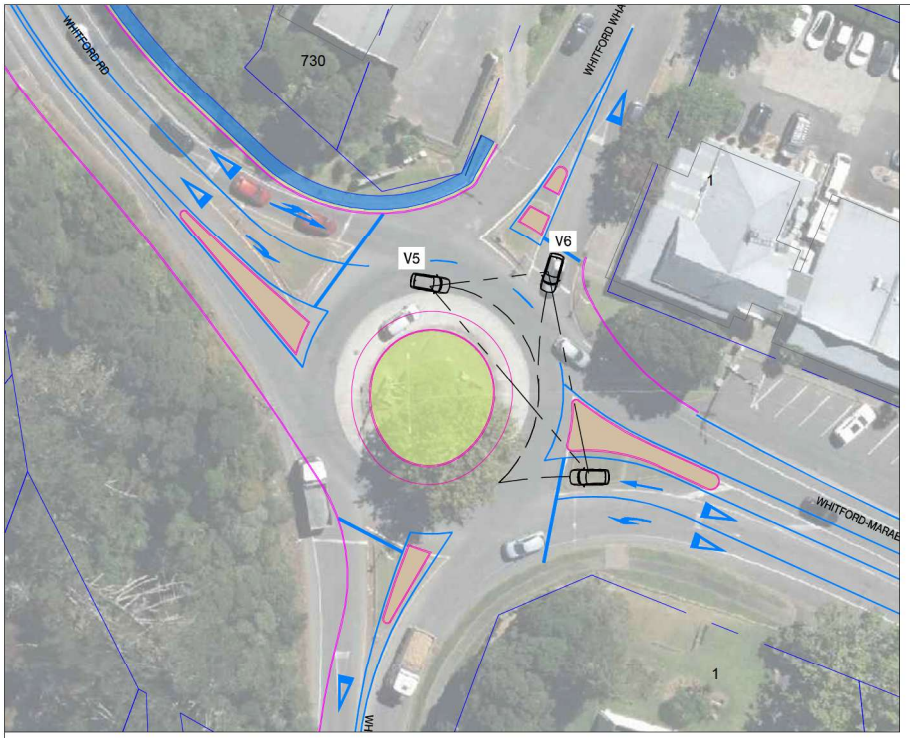

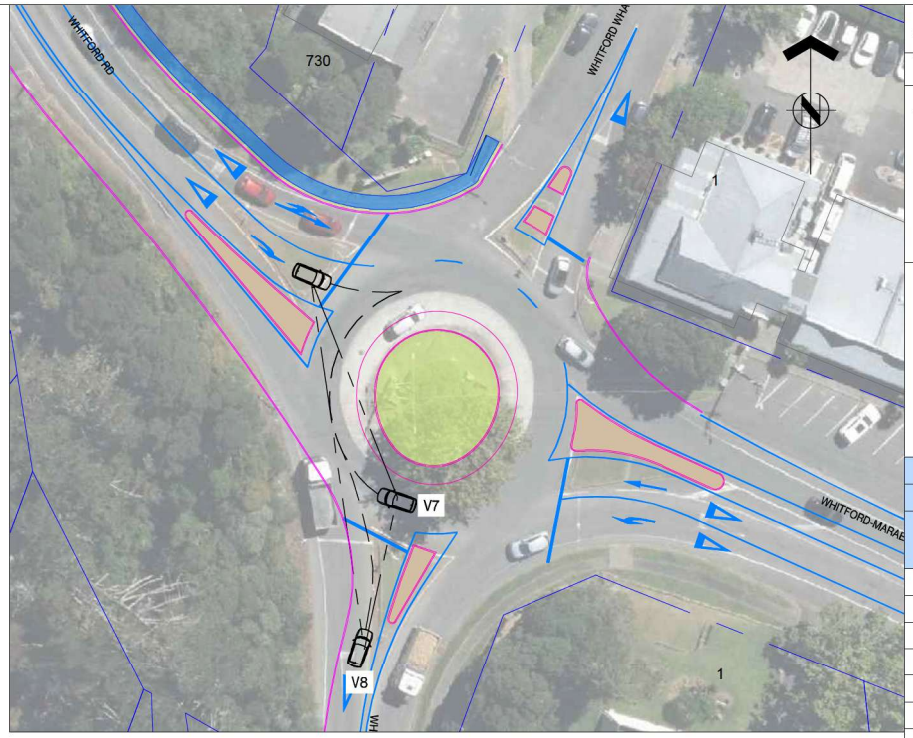

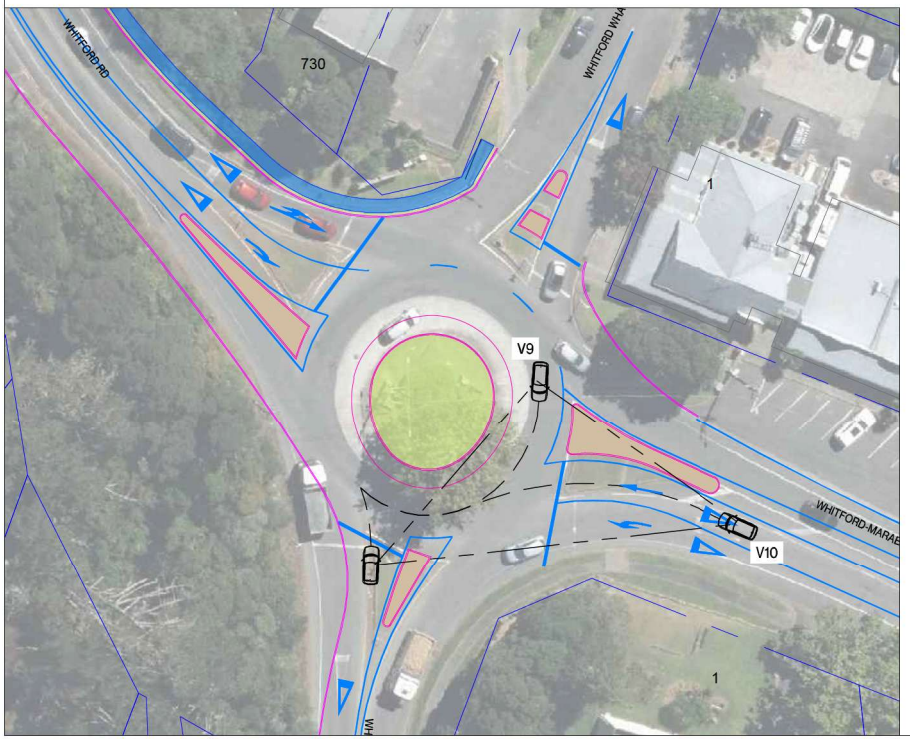

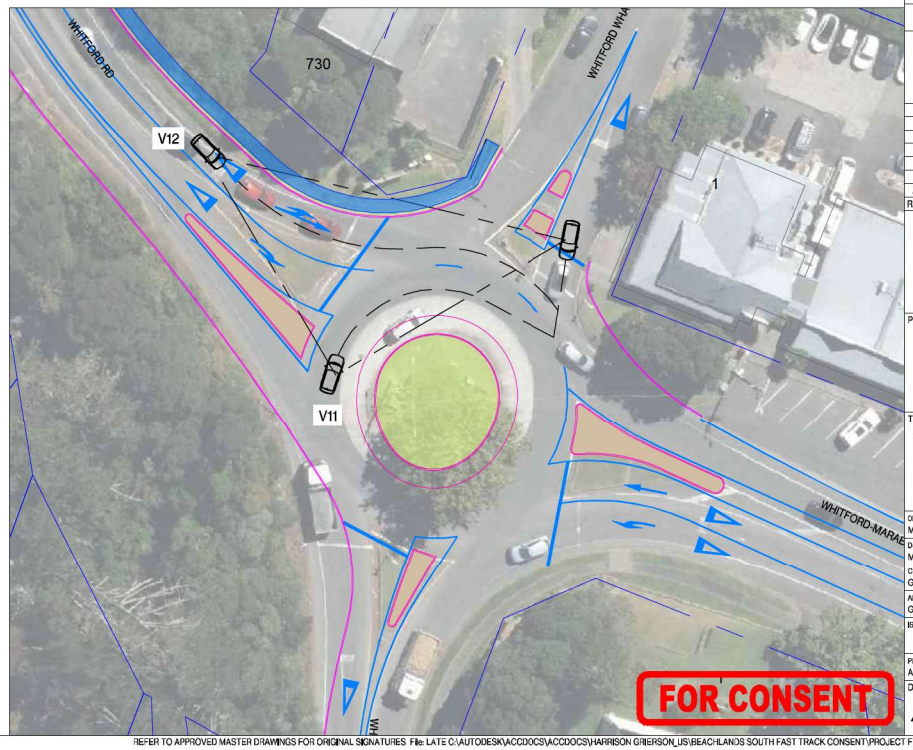

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NOTES:

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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
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

REF	REVISIONS	BY	DATE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00 | SCALES: A1 1:300, A3 1:600 | A1

DRAWING No: A2515591.00-3505 | REV A

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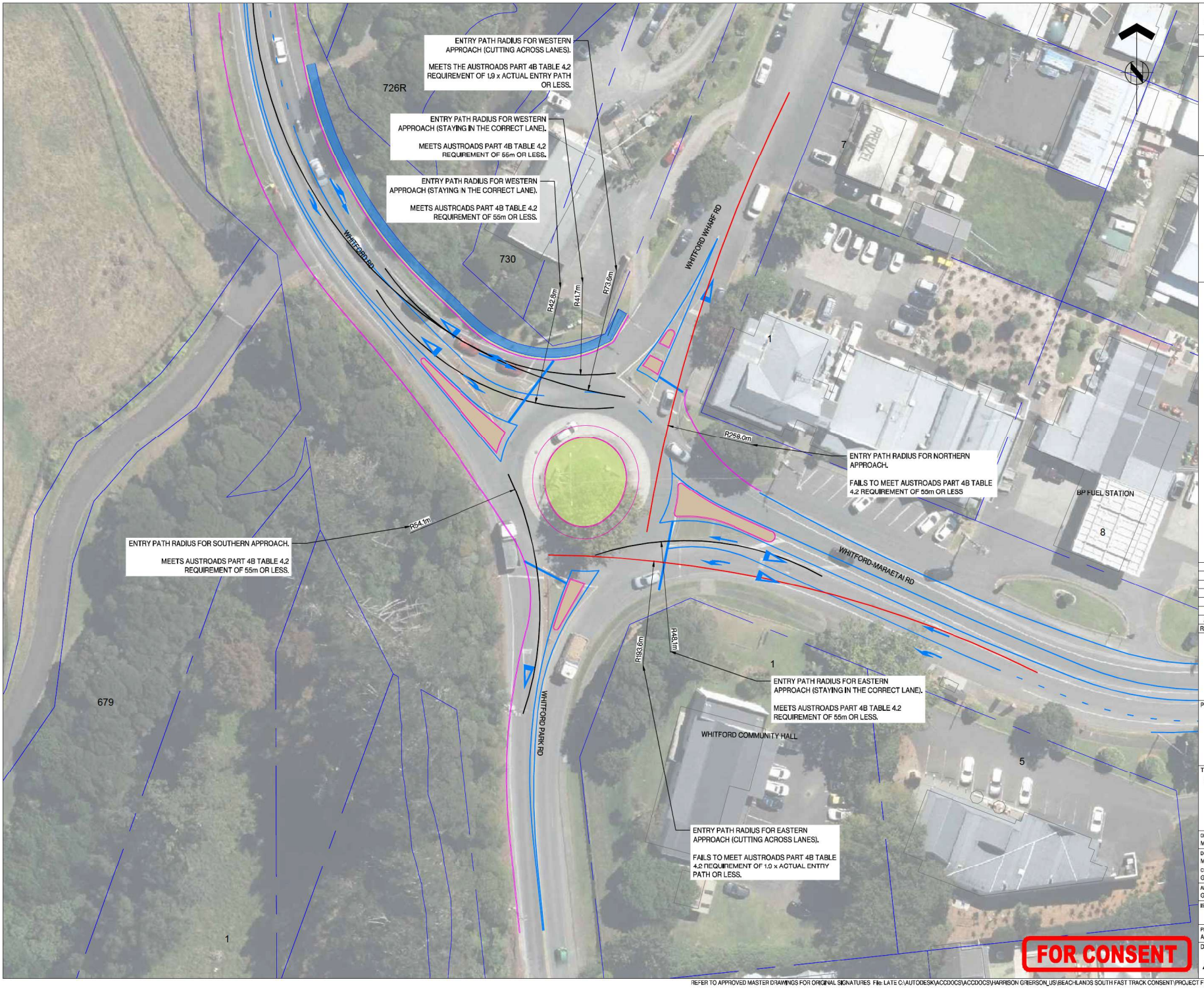

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2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

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

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A	FOR CONSENT	MIP	05/2026

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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LEGEND

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- EXISTING ROAD FEATURES
- EXISTING TREE DRIPLINE

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BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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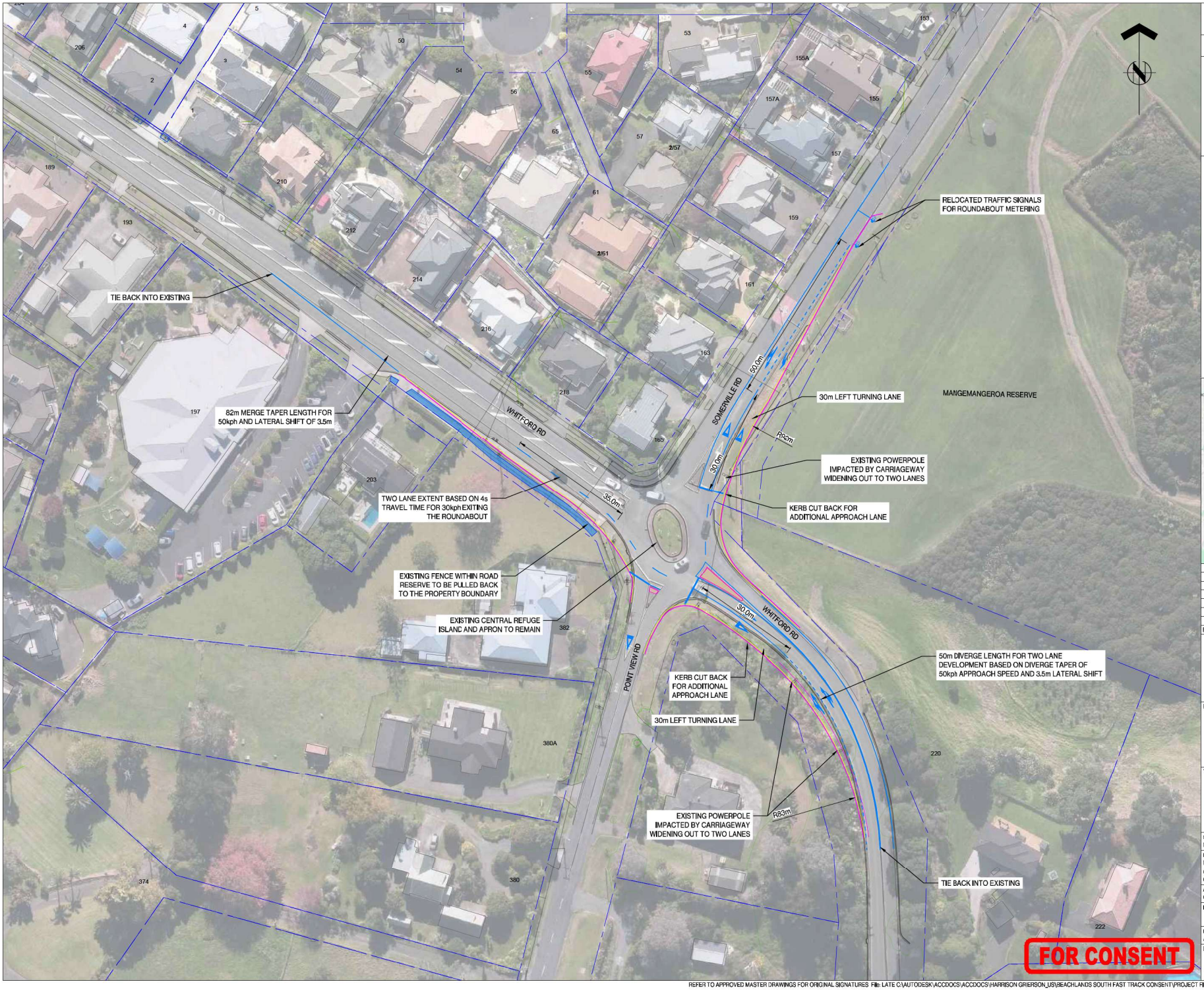

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LEGEND

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

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 2 OF 7

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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PROJECT No: A2515591.00	SCALES: A1 1:500 A3 1:1000	A1
DRAWING No: A2515591.00-3511		REV A

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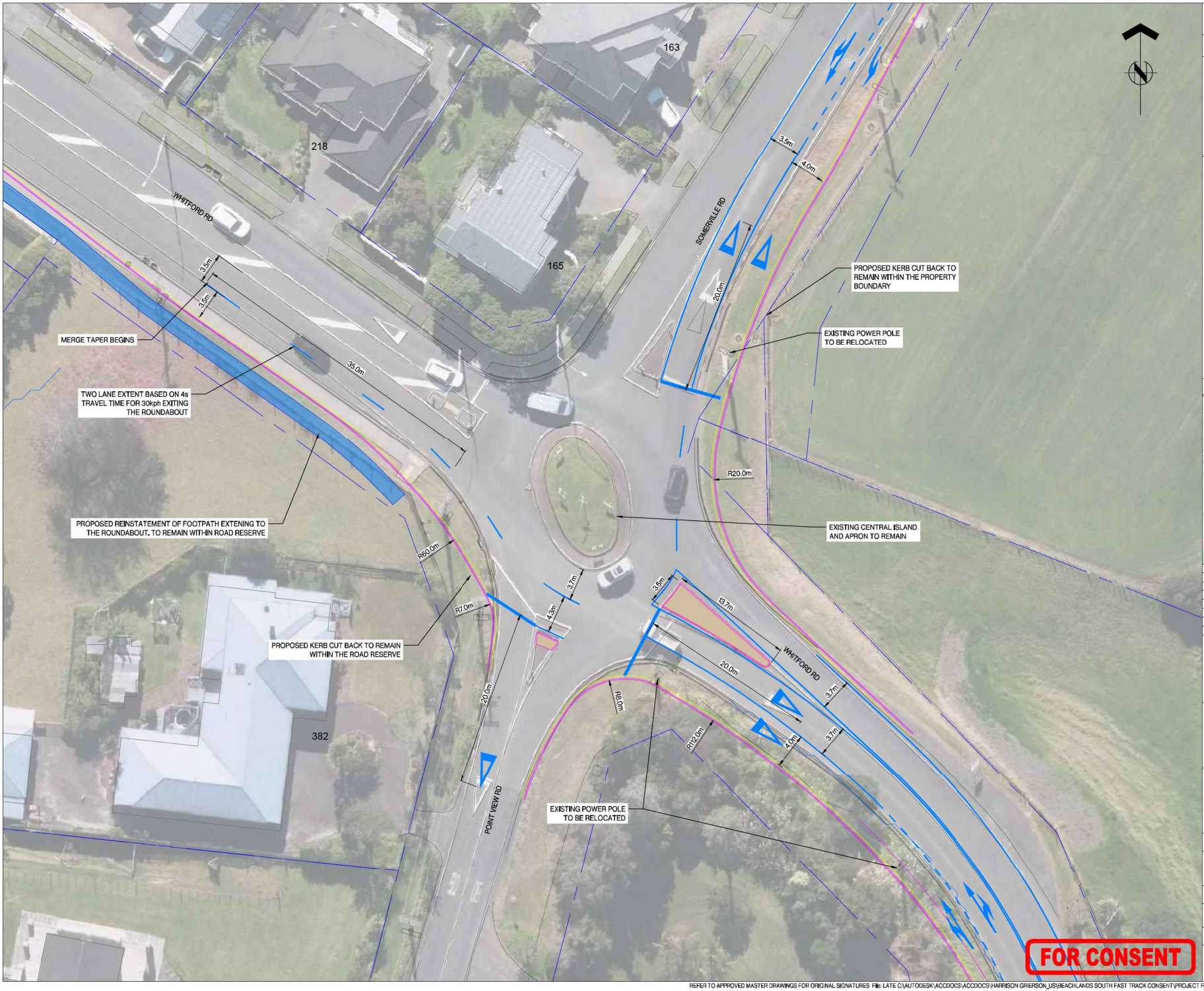

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2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

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

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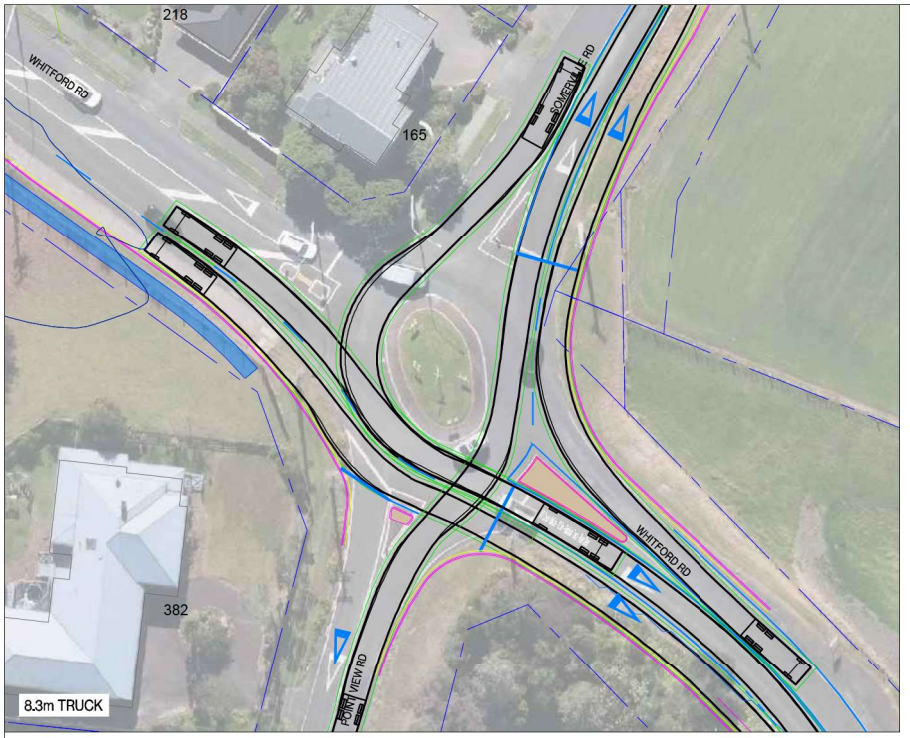

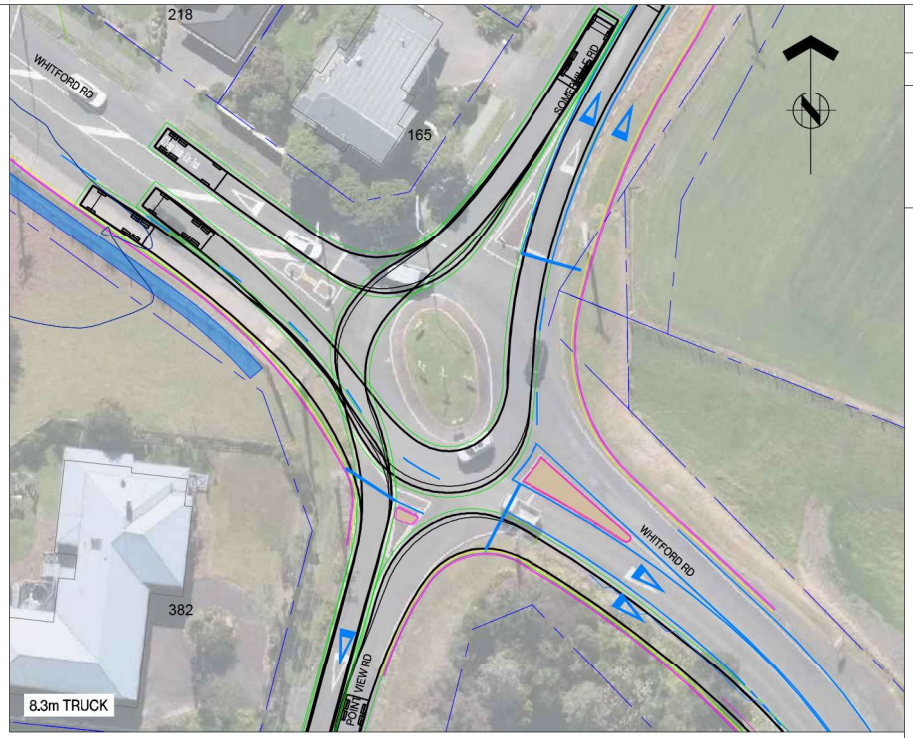

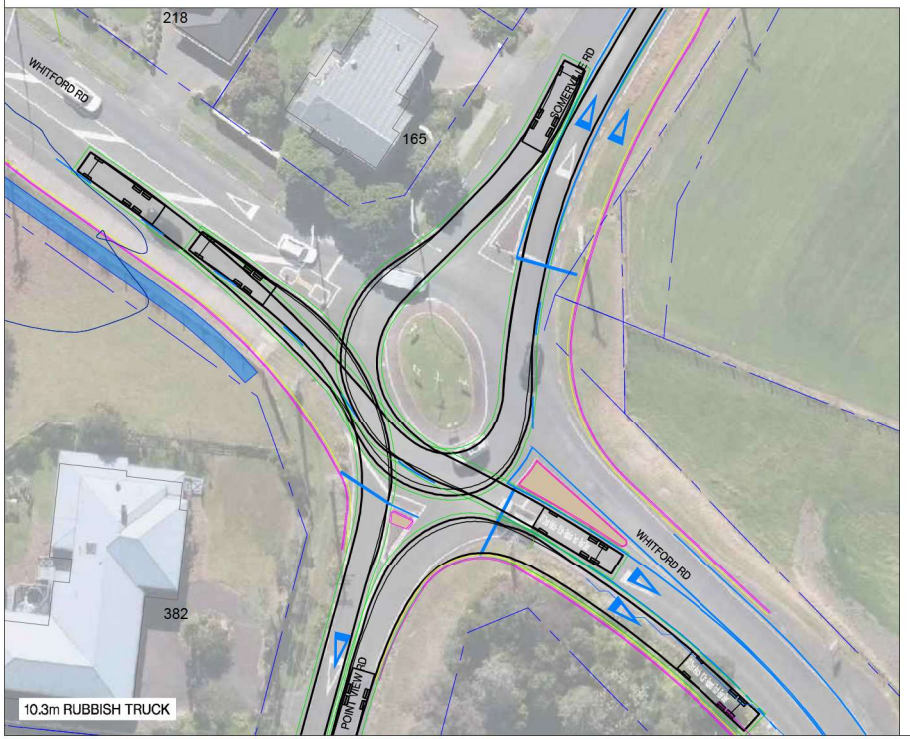

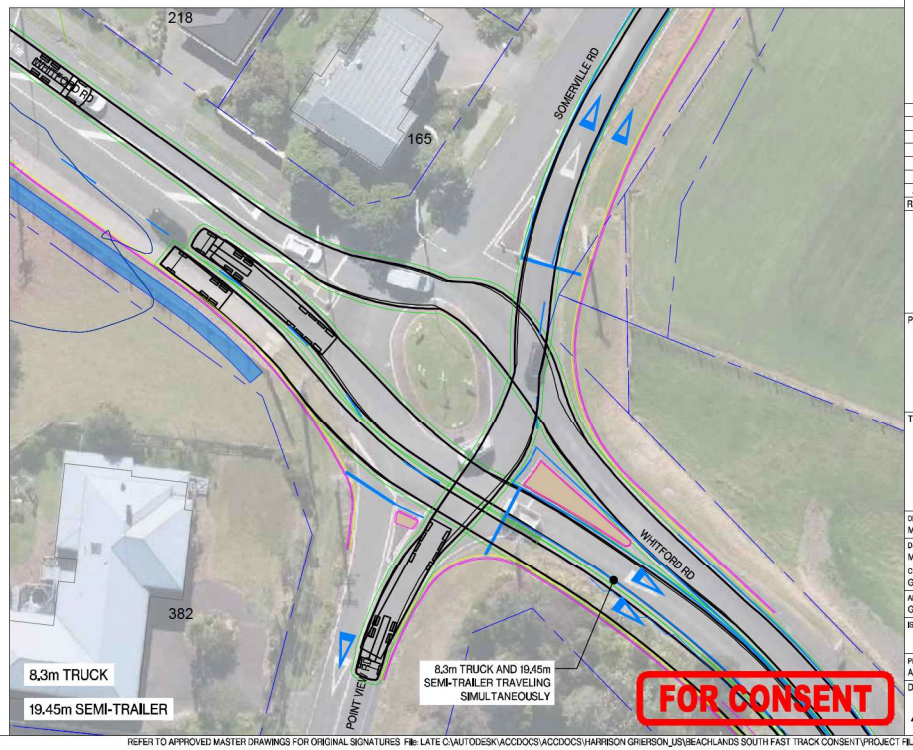

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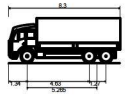
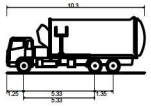


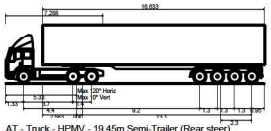
AT - Truck - 8.3m Truck

Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
Min Body Ground Clearance	0.373m
Track Width	2.500m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	40.20°



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°



AT - Truck - HPMV - 19.45m Semi-Trailer (Rear steer)

Overall Length	19.380m
Overall Width	2.550m
Overall Body Height	4.386m
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	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SOMERVILLE RD / WHITFORD RD RBT
UPGRADE PLAN
SHEET 4 OF 7

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:300 A3 1:600	A1
DRAWING No: A2515591.00-3513		REV A

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2. VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

PROPERTY BOUNDARY

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT				
APPRROACH 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

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TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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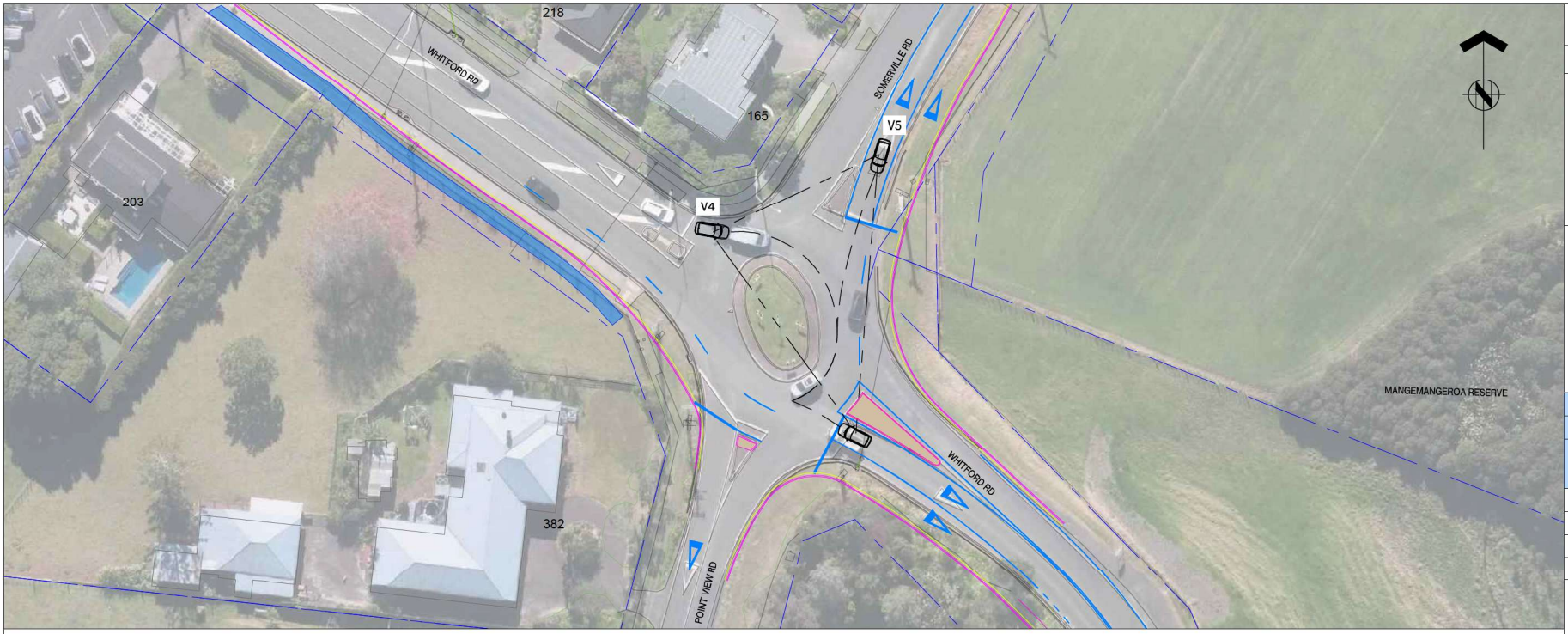
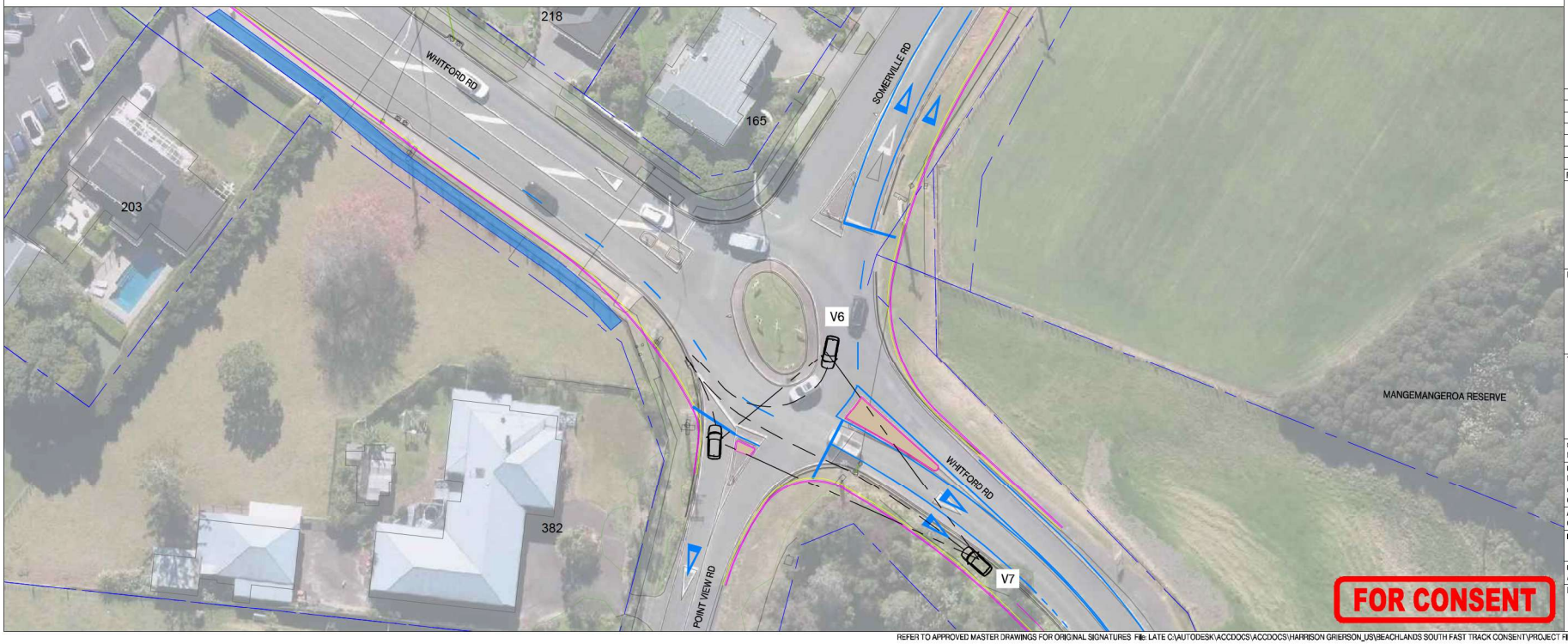
ISSUE STATUS: FAST TRACK CONSENT

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

DRAWING No: A2515591.00-3514 REV A





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NOTES:

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2. VISIBILITY ASSESSMENT SHOWING CRITERION 2 SIGHT DISTANCE OF LOCAL RESIDENTIAL STREET 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	33	PASS
V5	30	33	PASS
V6	20	22	PASS
V7	40	44	PASS

REF	REVISIONS	BY	DATE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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PROJECT No: A2515591.00	SCALES: A1 1:300 A3 1:600	A1
DRAWING No: A2515591.00-3515		REV A

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NOTES:

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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

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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PROJECT No: A2515591.00	SCALES: A1 1:400 A3 1:600	A1
DRAWING No: A2515591.00-3516		REV A

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NOTES:

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2. ALL EXISTING ROAD FEATURES BASED ON TOPO SURVEY

LEGEND

- PROPERTY BOUNDARY
- EXISTING ROAD FEATURES
- EXISTING TREE DRIPLINE

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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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PROJECT No:	SCALES:	
A2515591.00	A1 1:500 A3 1:1000	A1

DRAWING No: A2515591.00-3520 REV A

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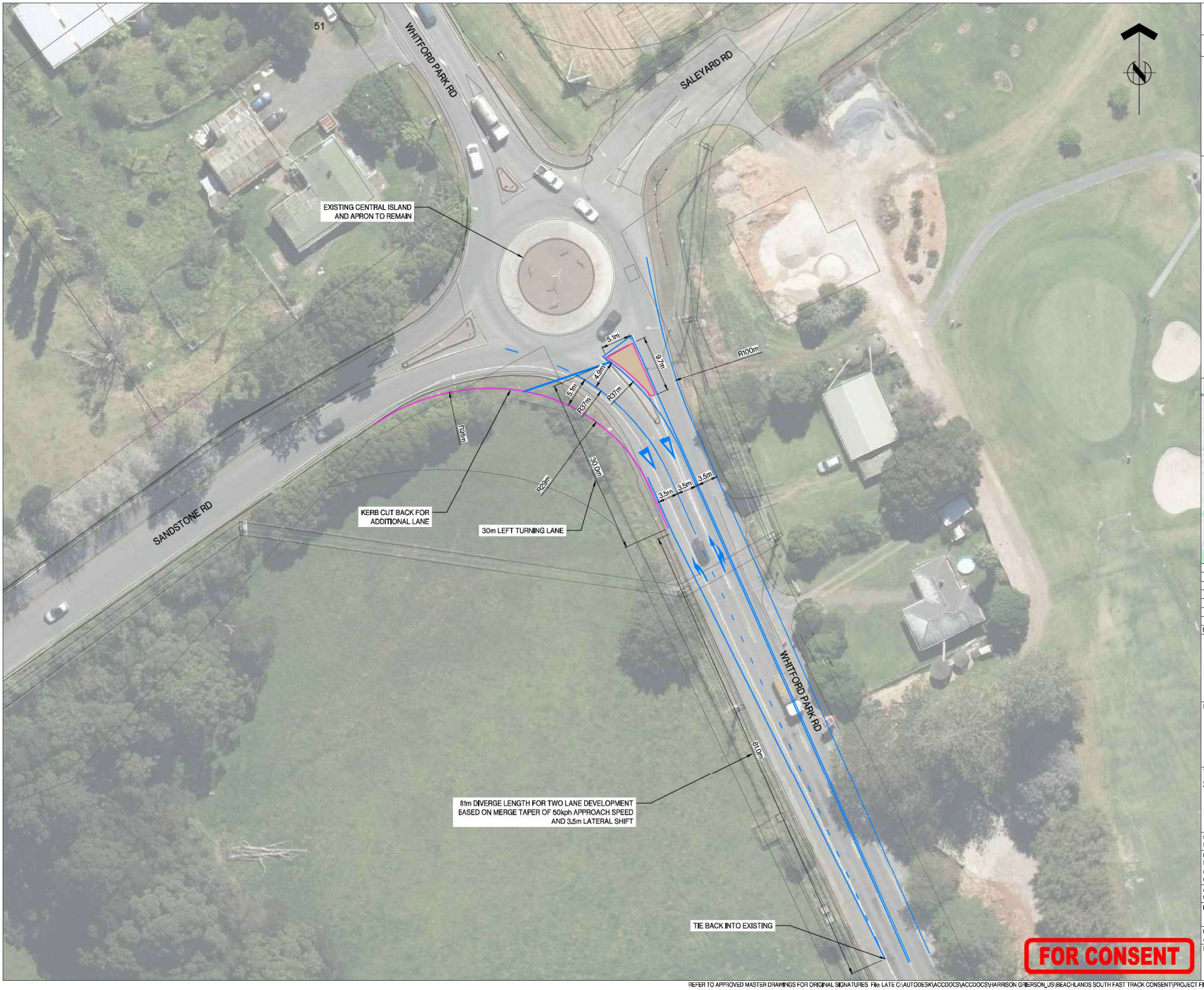

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LEGEND

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- PROPOSED ISLAND
- PROPOSED KERB
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- PROPOSED BERM

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

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

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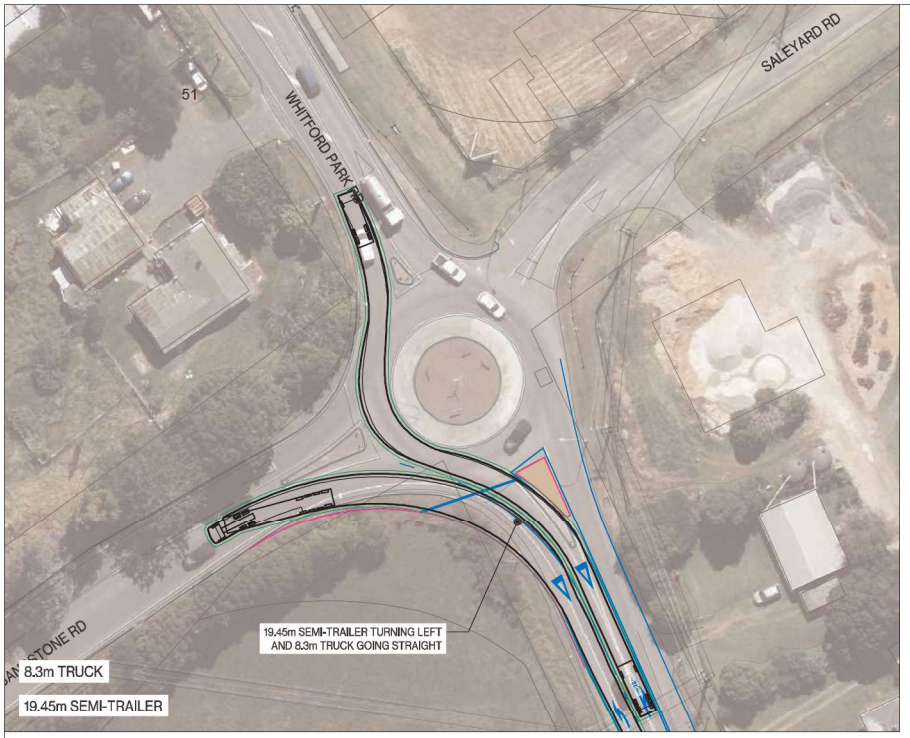

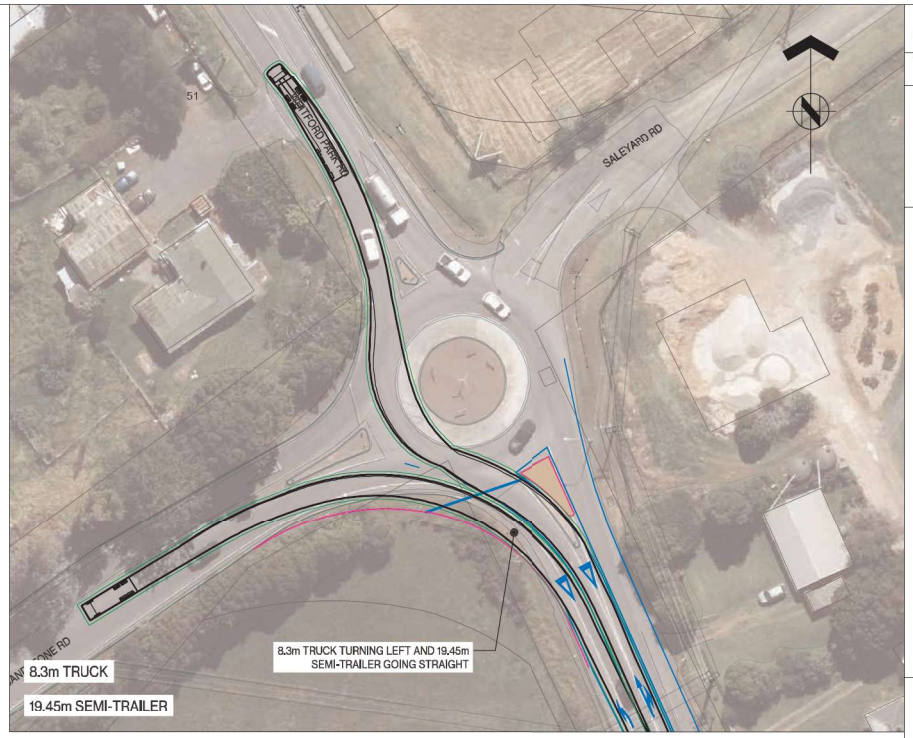

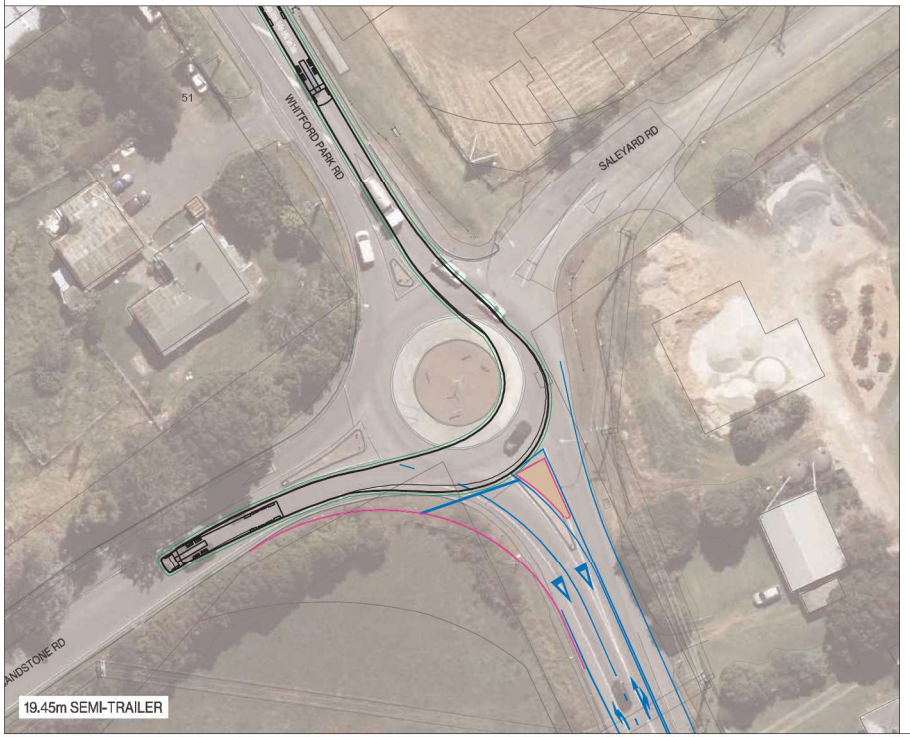

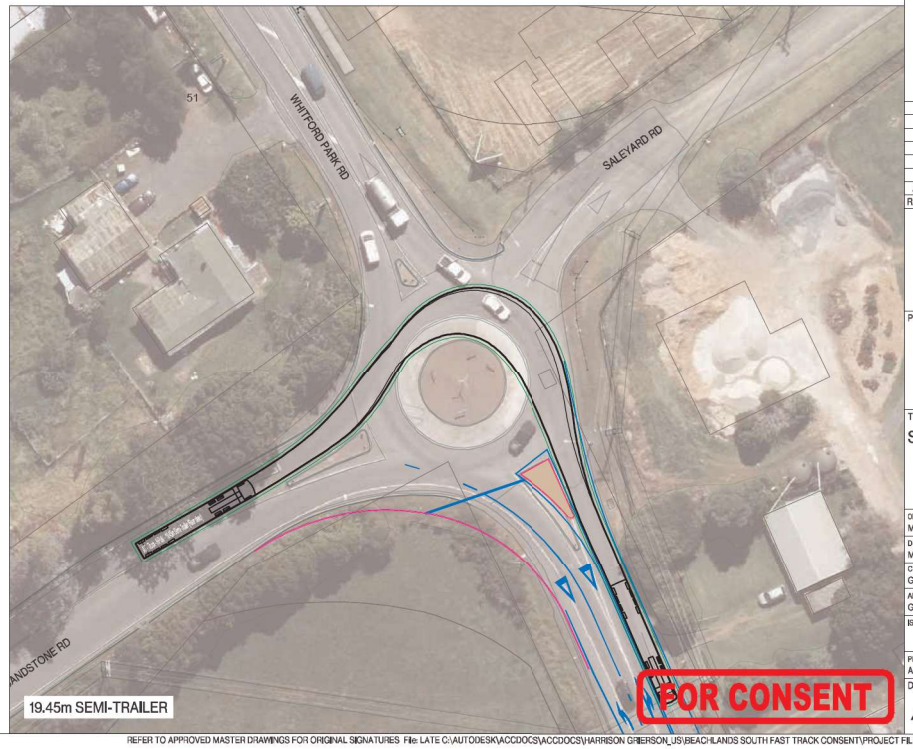

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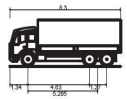
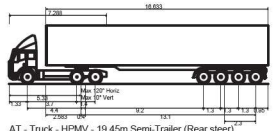


AT - Truck - 8.3m Truck

Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
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)

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Overall Width	2.550m
Overall Body Height	4.386m
Min Body Ground Clearance	0.311m
Track Width	2.550m
Lock-to-lock time	6.00s
Wall to Wall Turning Radius	12.500m

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

SANDSTONE RD / WHITFORD PARK RD RBT
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SHEET 3 OF 6

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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:300 A3 1:600	A1
DRAWING No: A2515591.00-3522		REV A

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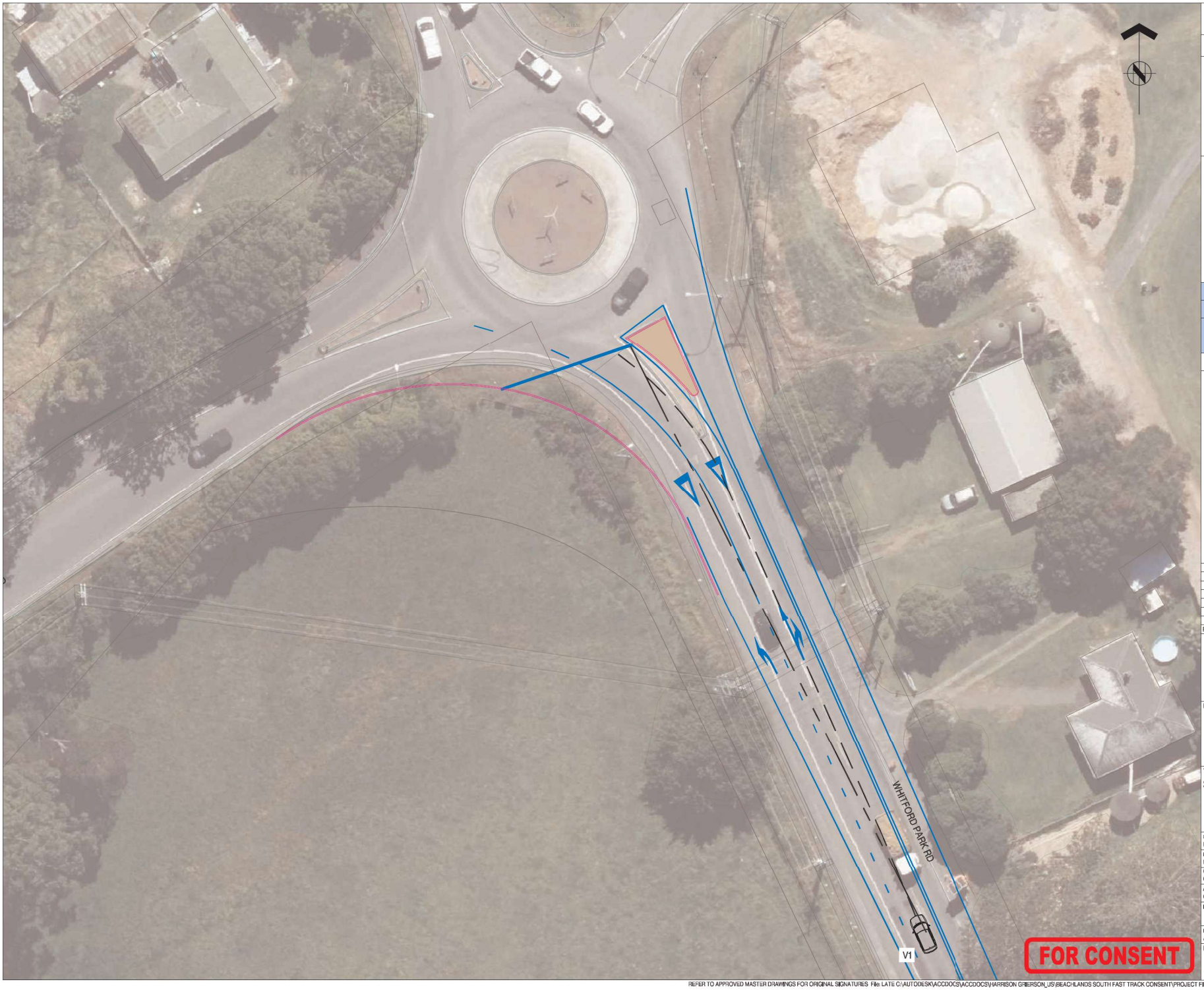

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2. VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

PROPERTY BOUNDARY

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT				
APPRROACH SIGHT DISTANCE (ASD)				
	DESIGN SPEED (km/h)	GRADE (%)	ASD REQUIREMENT (m)	PASS OR FAIL
V1	60	0	72.7	PASS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	06/2026

HARRISON GRIERSON

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

SANDSTONE RD / WHITFORD PARK RD RBT
UPGRADE PLAN
SHEET 4 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

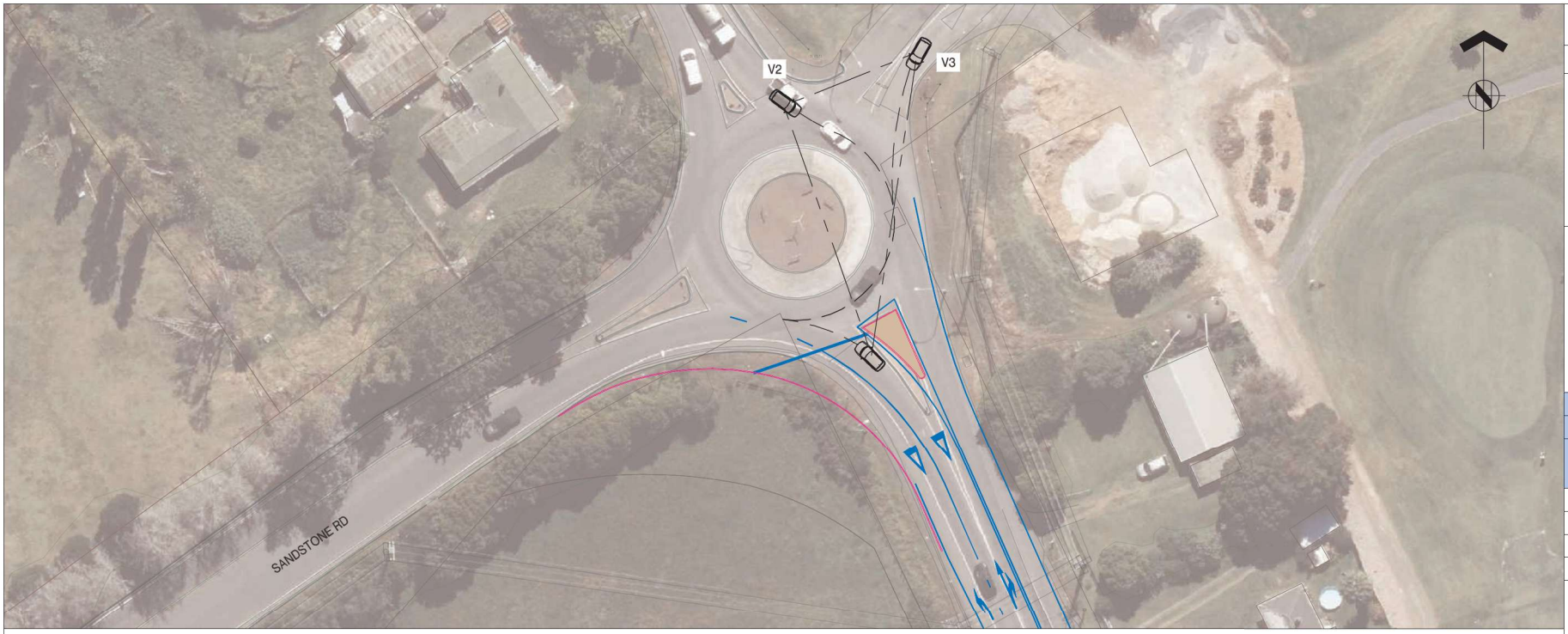
ISSUE STATUS: FAST TRACK CONSENT

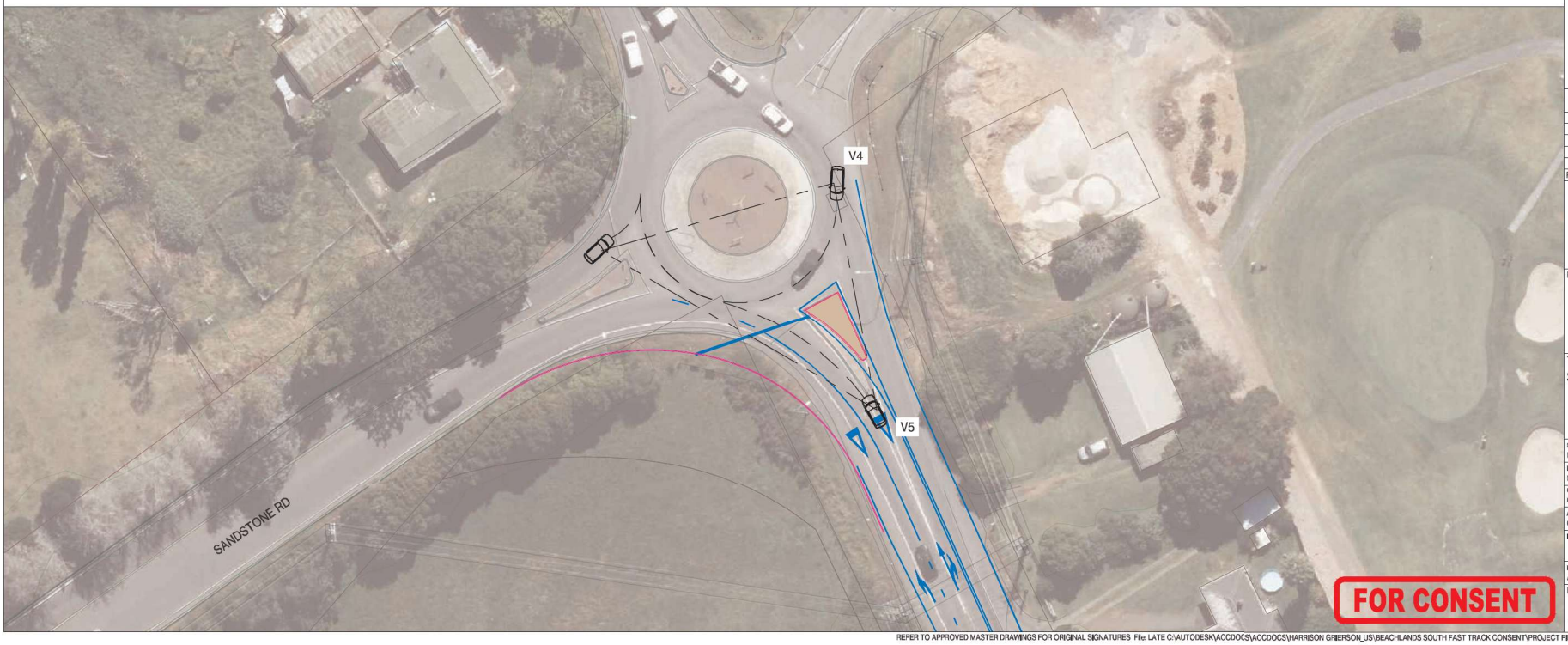
PROJECT No:	SCALES:	
A2515591.00	A1 1:300 A3 1:600	A1

DRAWING No: A2515591.00-3523

REV A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: LATE C:\AUTODESK\ACCDOCS\ACCDOCS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3520 SANDSTONE RBT.DWG





FOR CONSENT

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NOTES:

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2. VISIBILITY ASSESSMENT SHOWING CRITERION 2 OF AGRD PART 4B
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
V2	30	42	PASS
V3	30	42	PASS
V4	30	42	PASS
V5	30	42	PASS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	06/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

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

ISSUE STATUS: FAST TRACK CONSENT

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

DRAWING No: A2515591.00-3524

REV A

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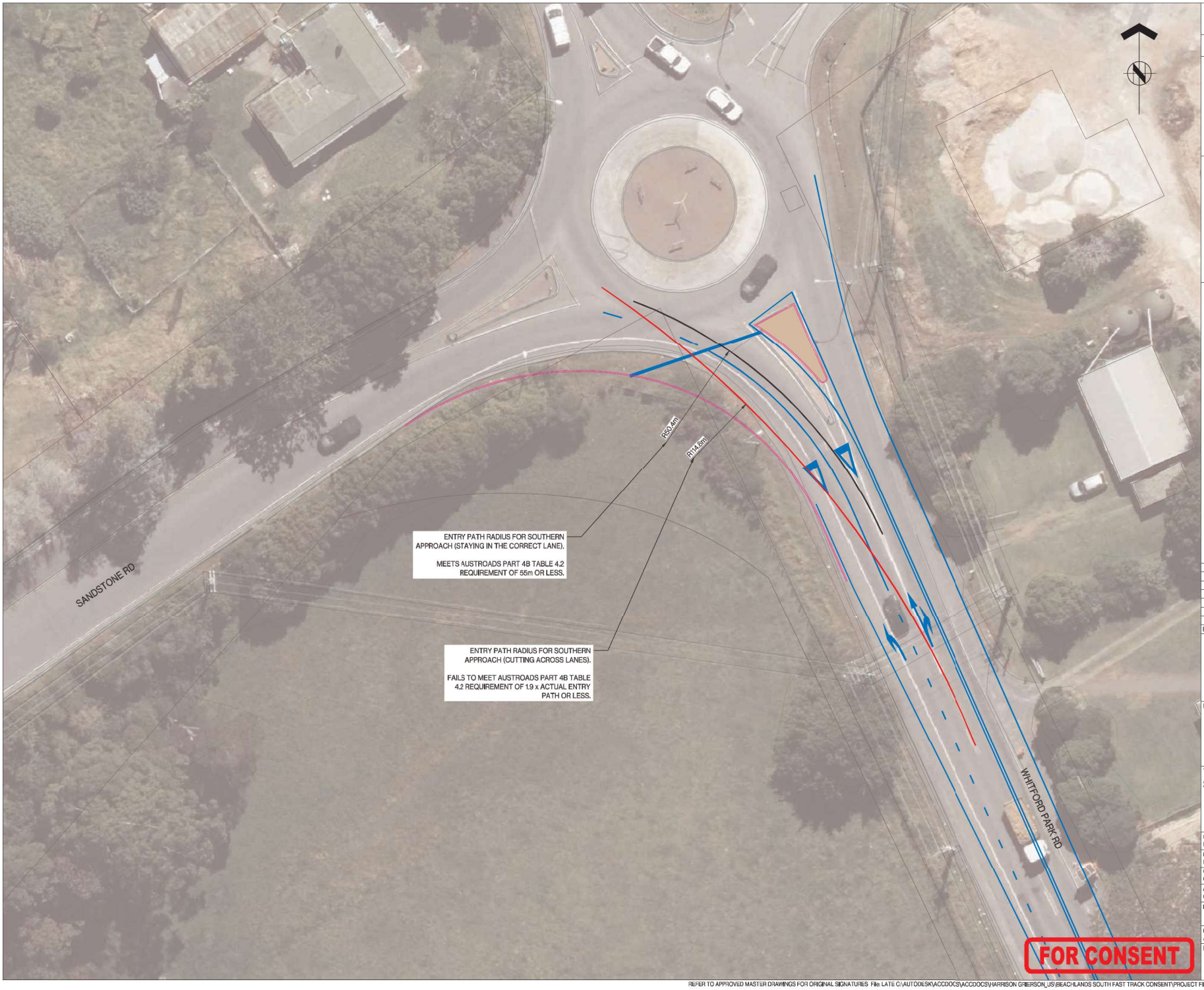

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2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

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

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A	FOR CONSENT	MIP	06/2026

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

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

DRAWING No: A2515591.00-3525

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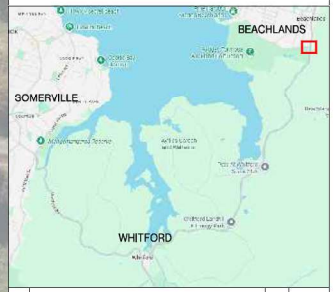
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

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



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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JACK LACHLAN DR / WHITFORD MARAETAI RD RBT
UPGRADE PLAN
SHEET 1 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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES:	A1
DRAWING No: A2515591.00-3530		REV A

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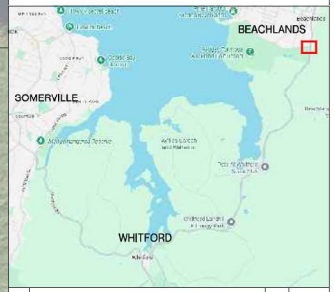
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

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



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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JACK LACHLAN DR / WHITFORD MARAETAI RD RBT
UPGRADE PLAN
SHEET 2 OF 8

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

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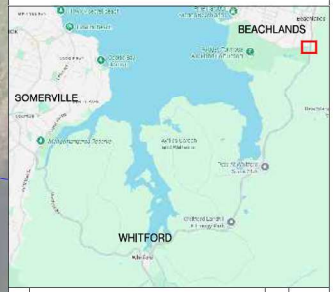
LEGEND

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



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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JACK LACHLAN DR / WHITFORD MARAETAI RD RBT
UPGRADE PLAN
SHEET 3 OF 8

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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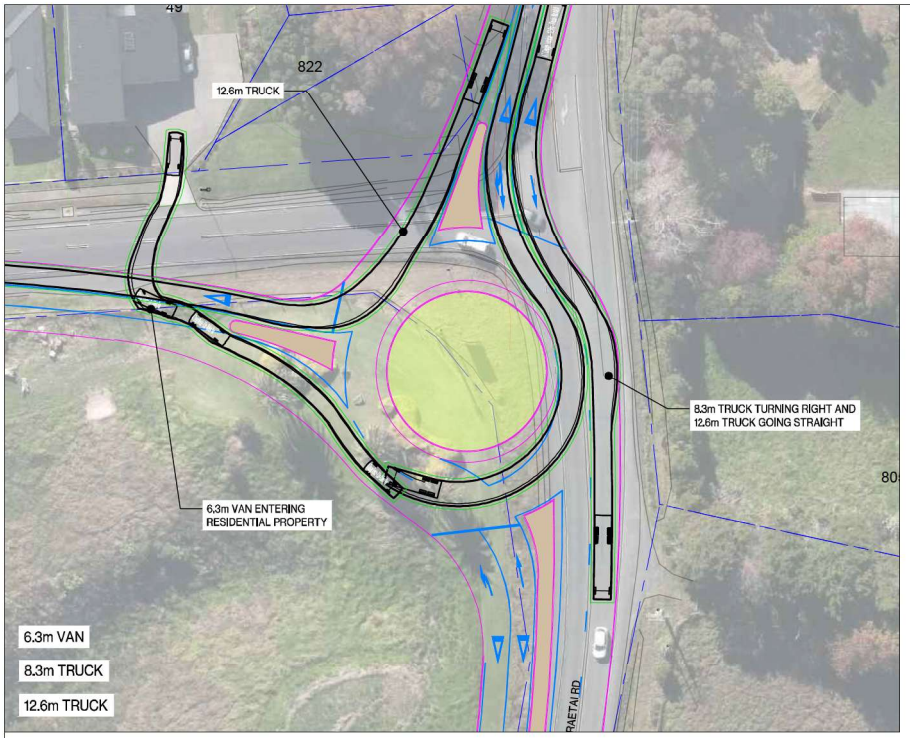
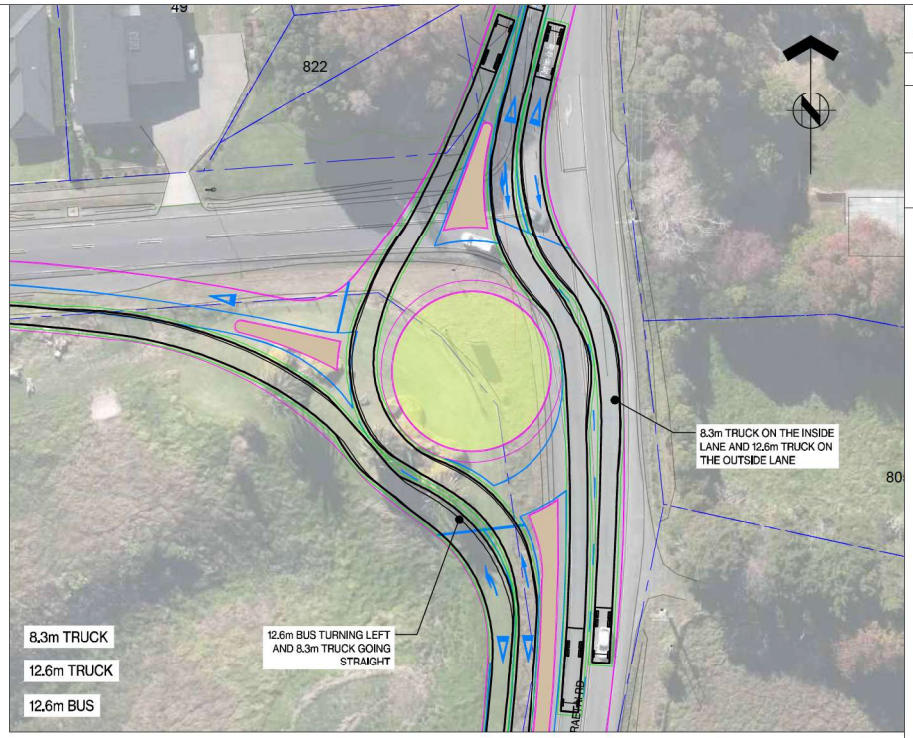
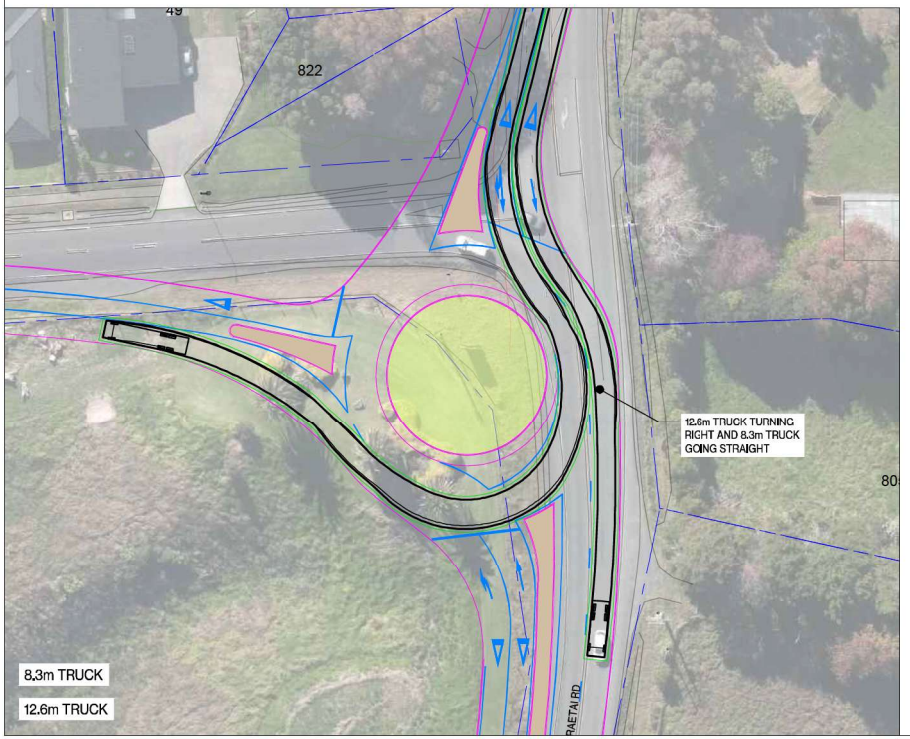
APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

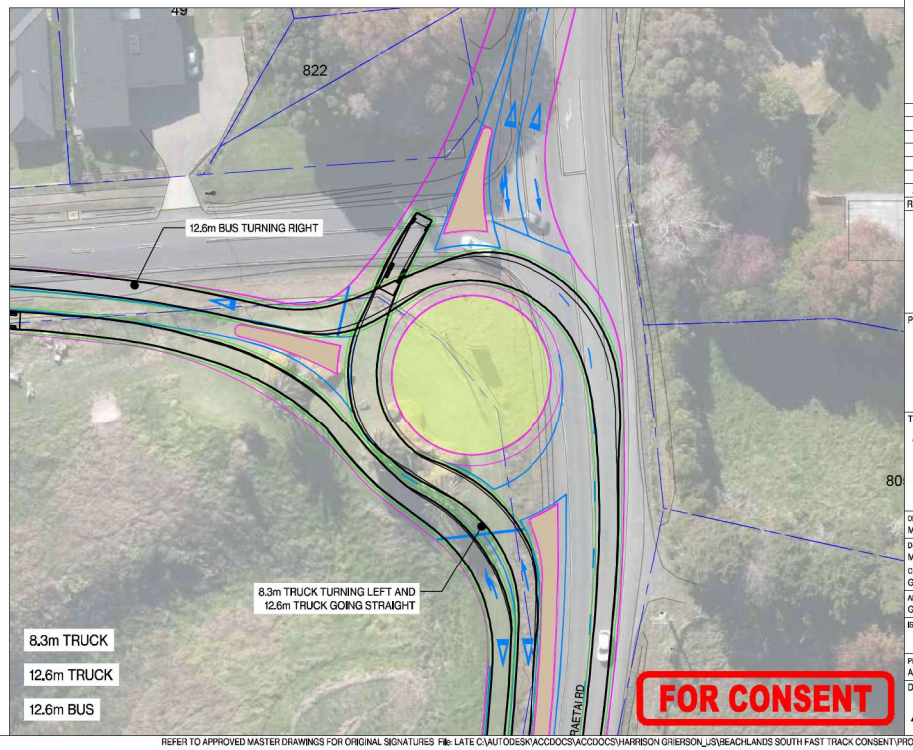
ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES:	A1
DRAWING No: A2515591.00-3532		REV A









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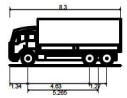
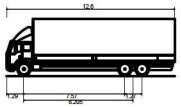


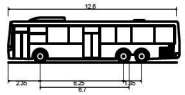
AT - Truck - 8.3m Truck

Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
Min Body Ground Clearance	0.373m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	40.20°



AT Design Vehicle - 12.6m - Truck- No hitch

Overall Length	12.600m
Overall Width	2.550m
Overall Body Height	4.249m
Min Body Ground Clearance	0.385m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Wheel Angle	49.00°



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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JACK LACHLAN DR / WHITFORD MARAETAI RD RBT
UPGRADE PLAN
SHEET 4 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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES:	A1
DRAWING No: A2515591.00-3533		REV A

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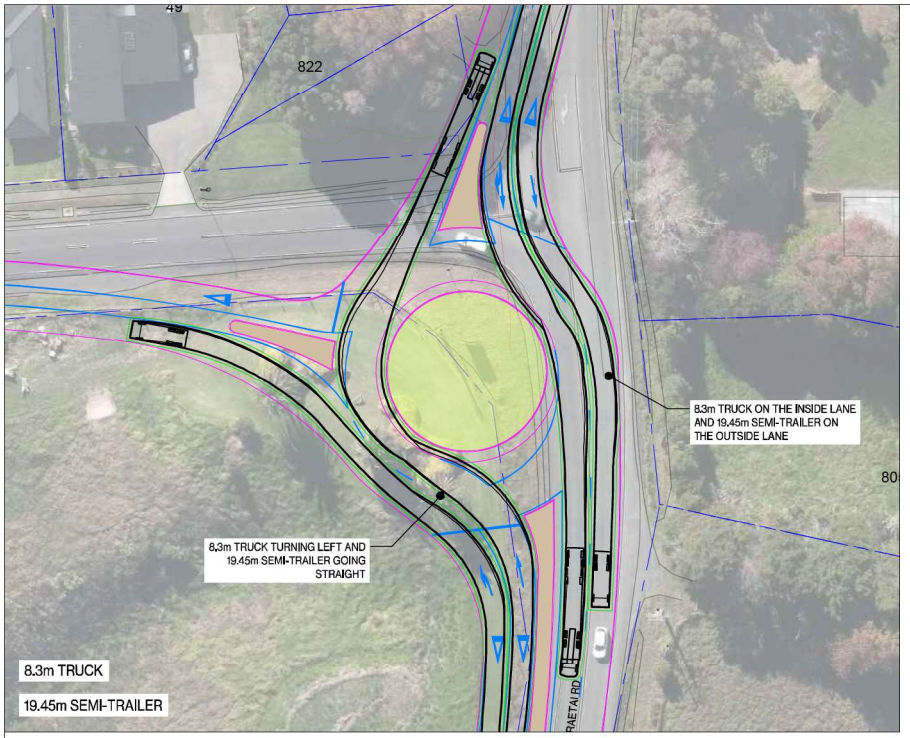

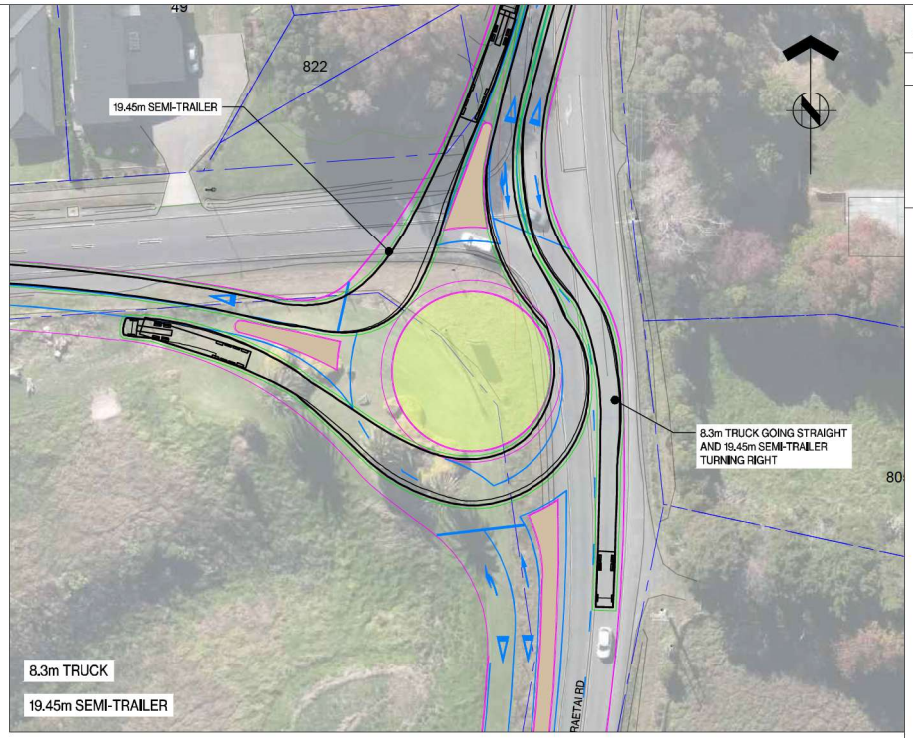

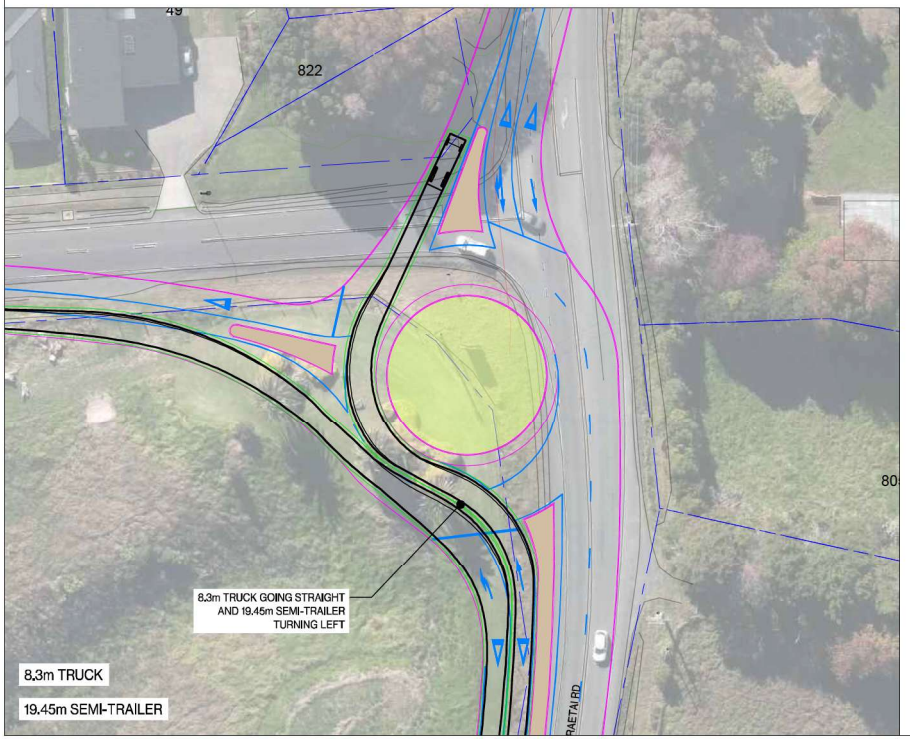

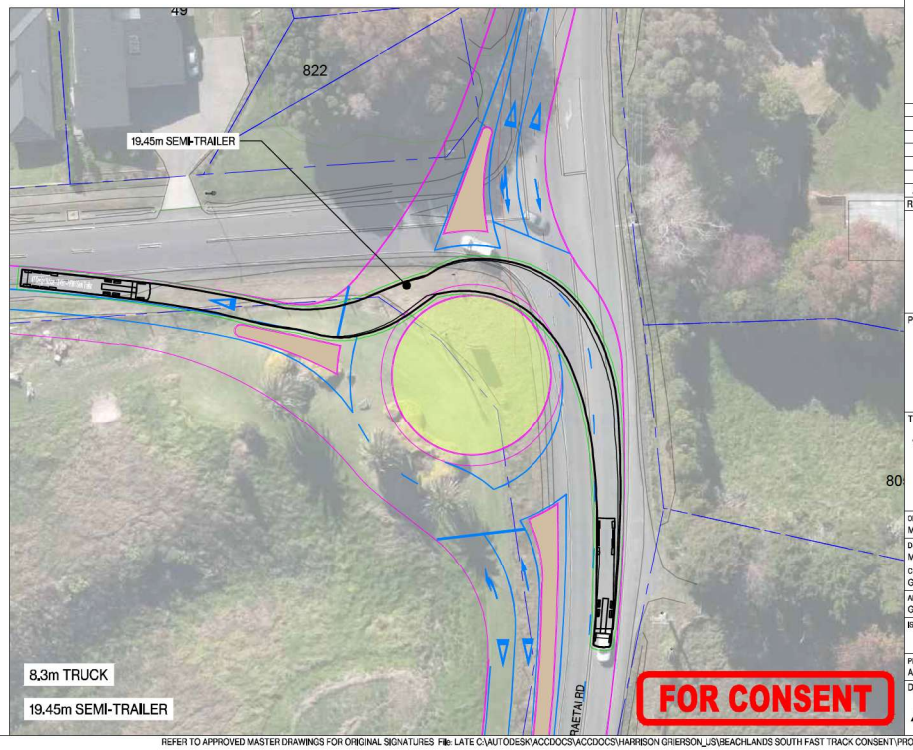

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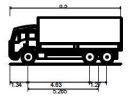
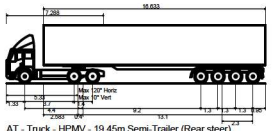


AT - Truck - 8.3m Truck

Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
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	19.380m
Overall Width	2.550m
Overall Body Height	4.396m
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	BY	DATE
A	FOR CONSENT	MIP	05/2026

HARRISON GRIERSON
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Level 4, 96 St. Georges Bay Road
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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 5 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

ISSUE STATUS: FAST TRACK CONSENT

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

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NOTES:

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

LEGEND

PROPERTY BOUNDARY

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT				
APPRROACH 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	BY	DATE
A	FOR CONSENT	MIP	05/2026

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

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

ORIGINATOR: MIP	DATE: 06/2026	SIGNED:	PLOT BY: MIP
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APPROVED: GXB	DATE: 06/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

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

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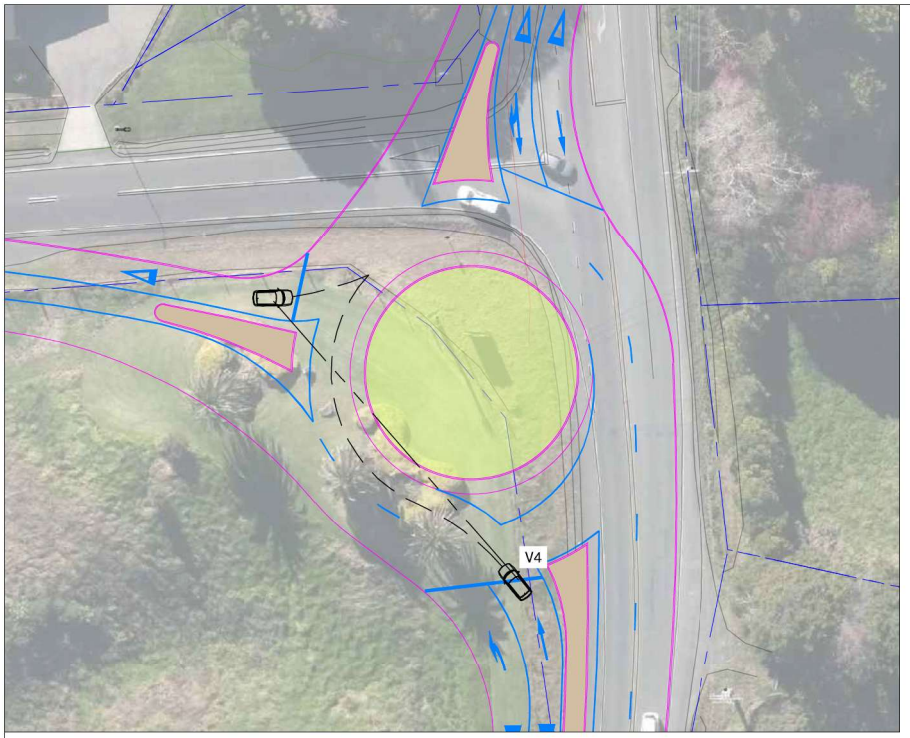

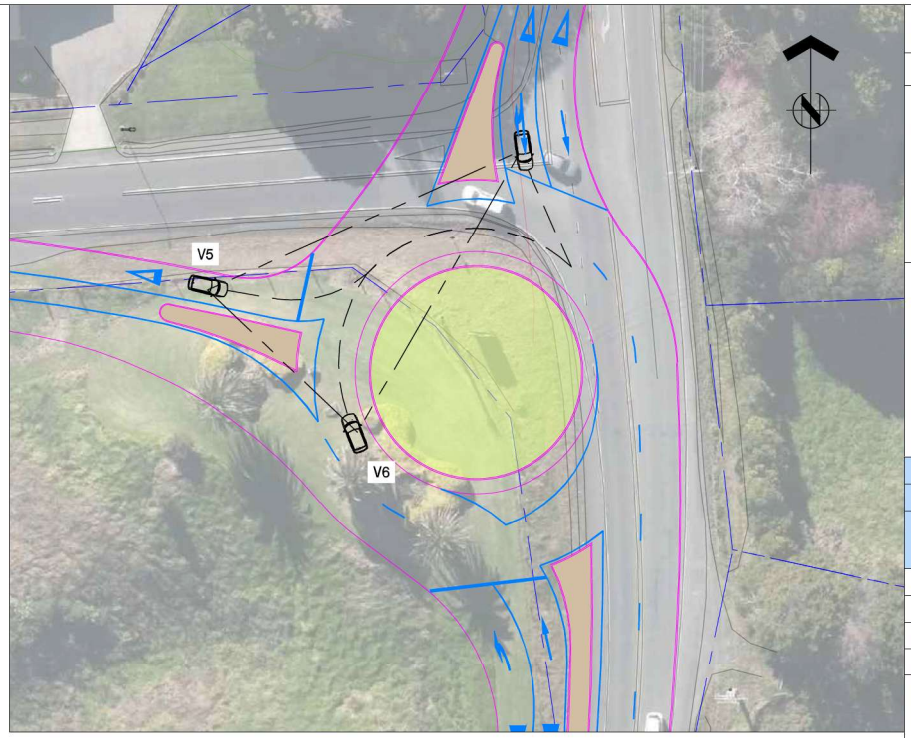

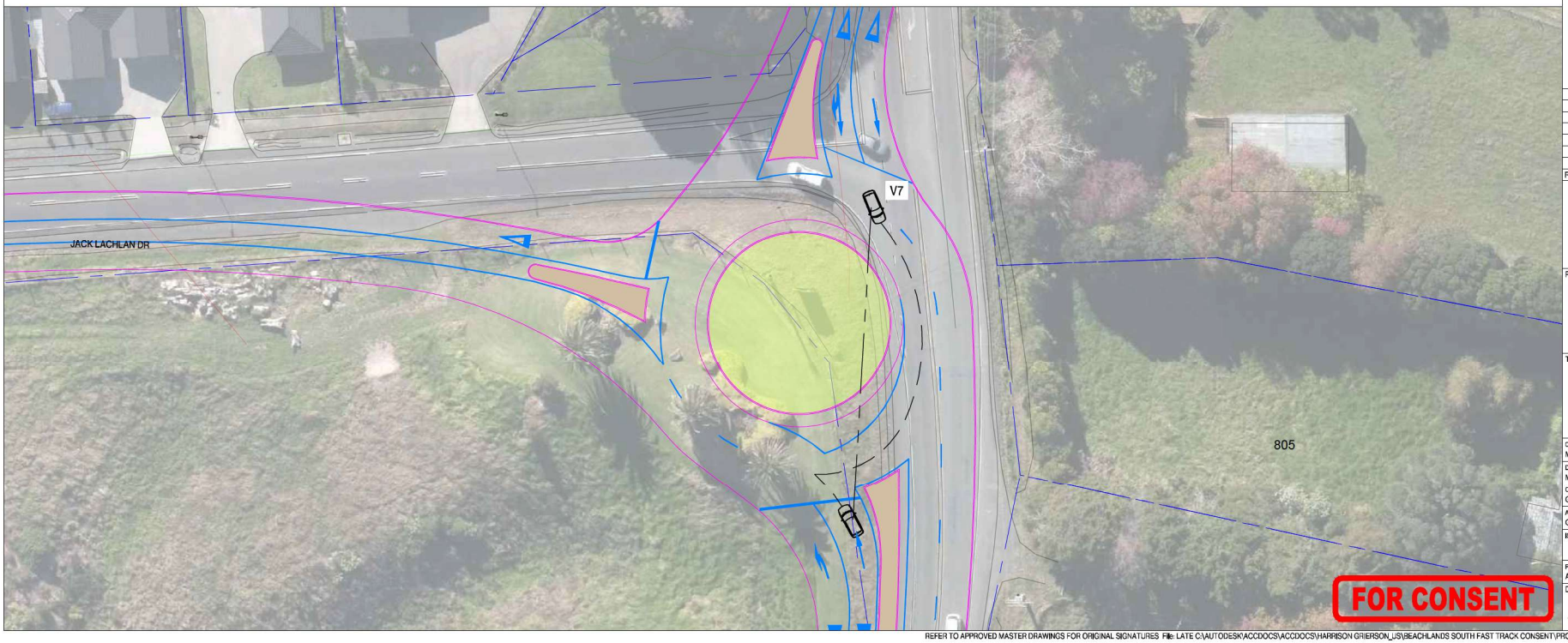

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NOTES:

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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

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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
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00 | SCALES: | A1

DRAWING No: A2515591.00-3536 | REV A

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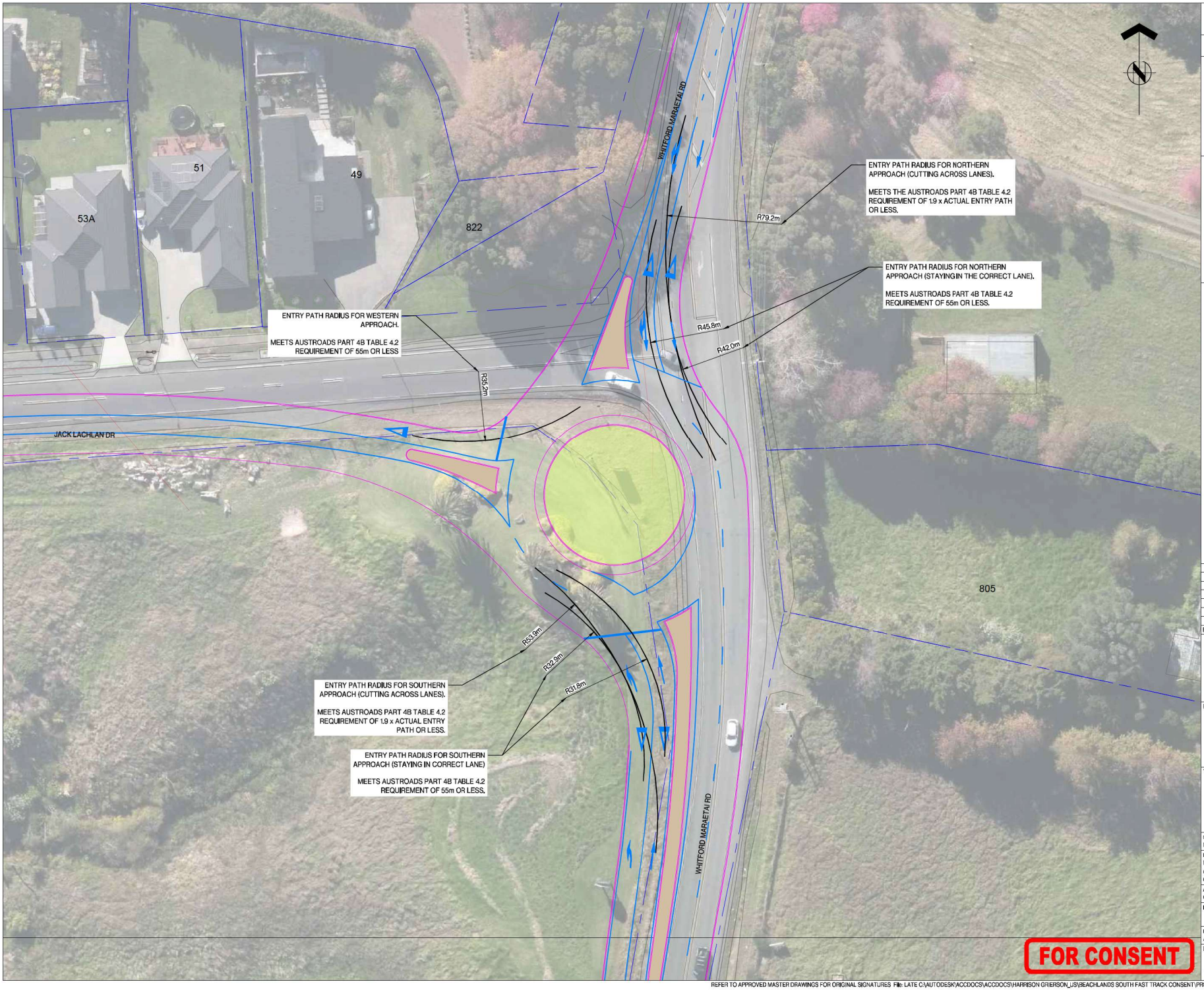

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NOTES:

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

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UPGRADE PLAN
SHEET 8 OF 8

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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00 | SCALES: | A1

DRAWING No: A2515591.00-3537 | REV A

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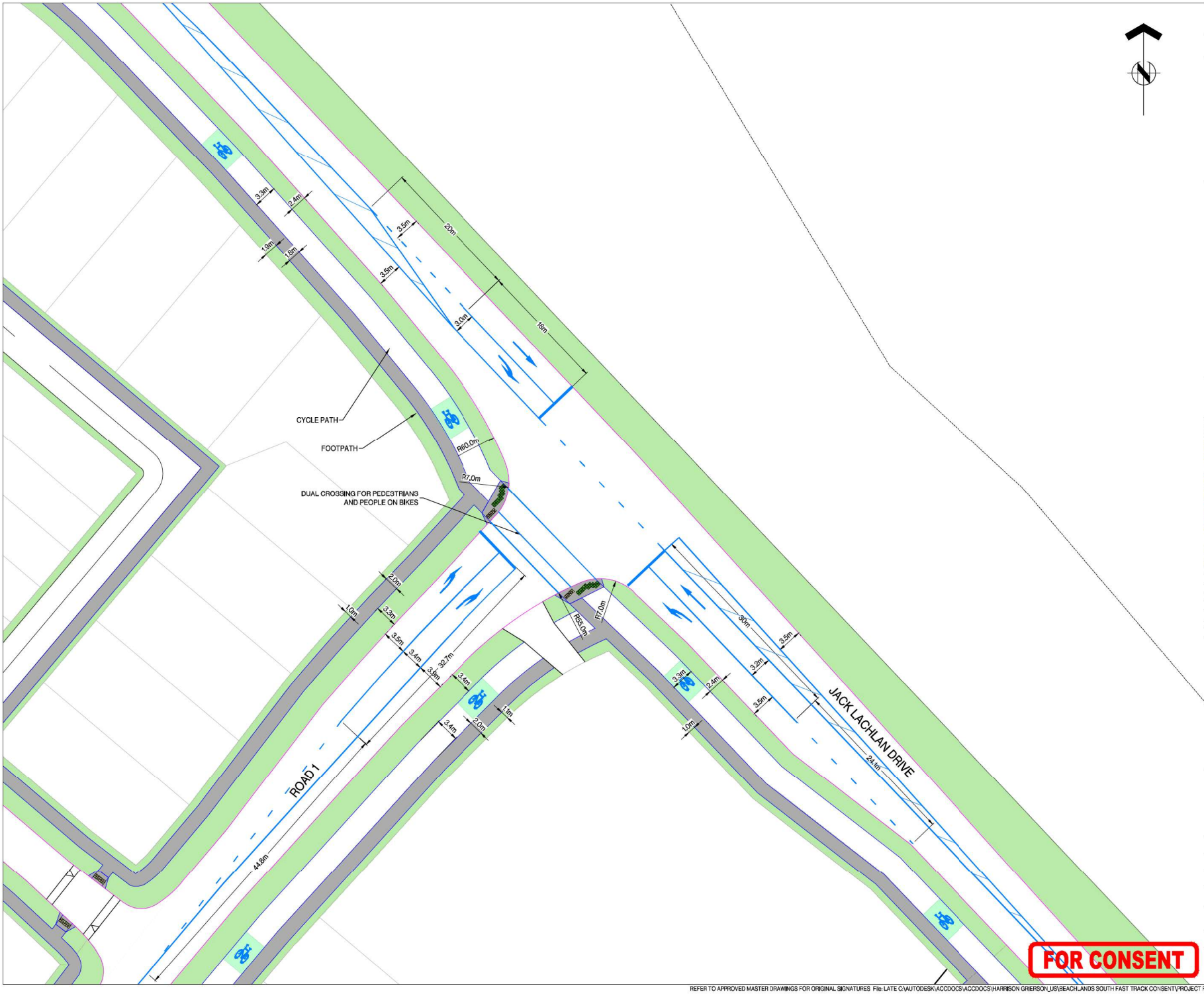

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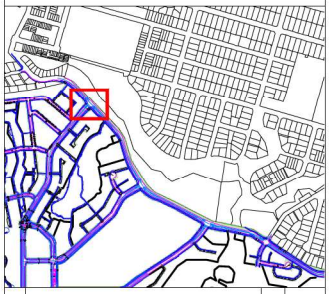
2. PROPOSED DESIGN IS BASED ON TOPO SURVEY
3. LEFT AND RIGHT TURN LANE LENGTHS TO BE CONFIRMED SUBJECT TO MODELLING

LEGEND

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



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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 1 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
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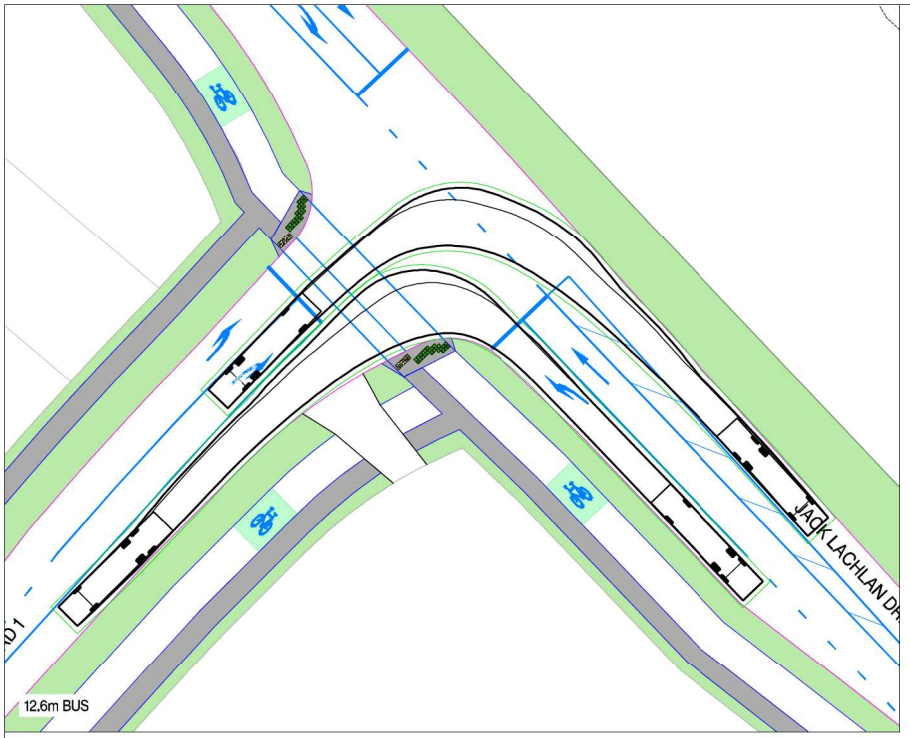
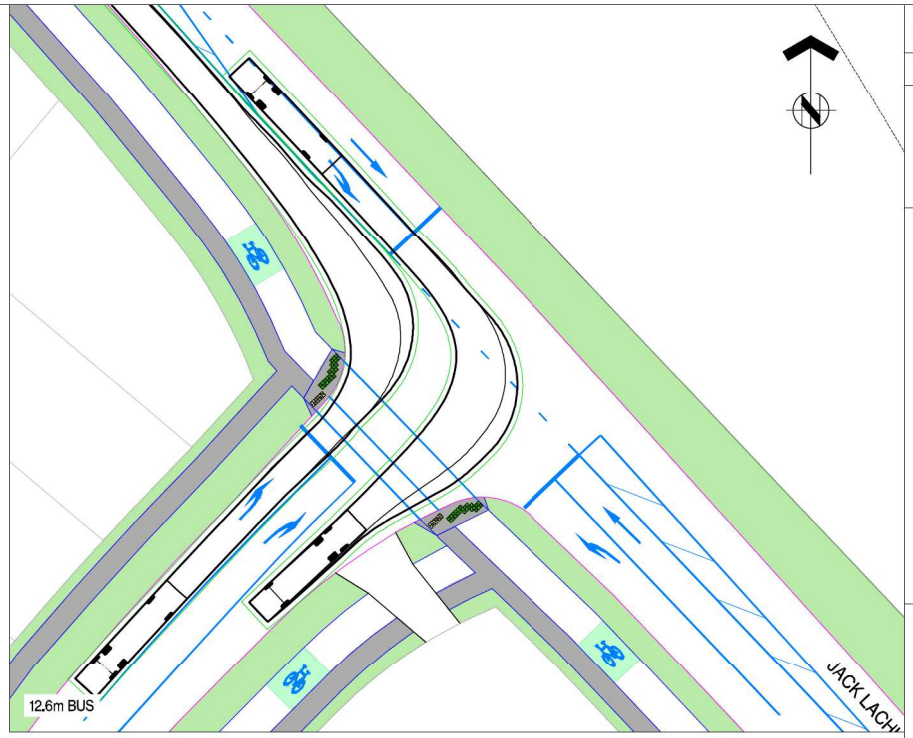
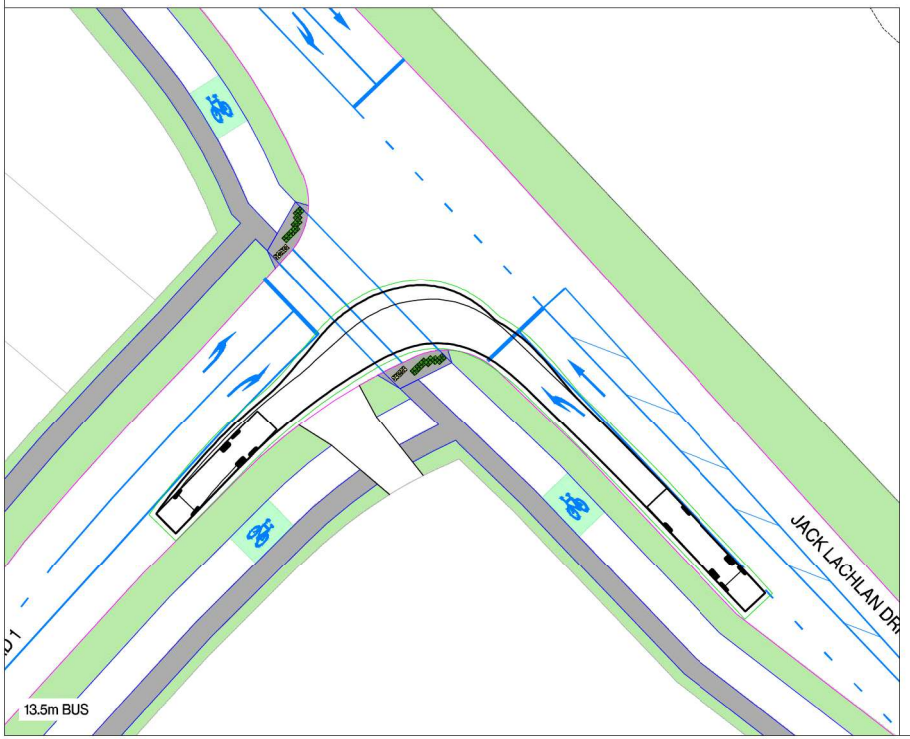
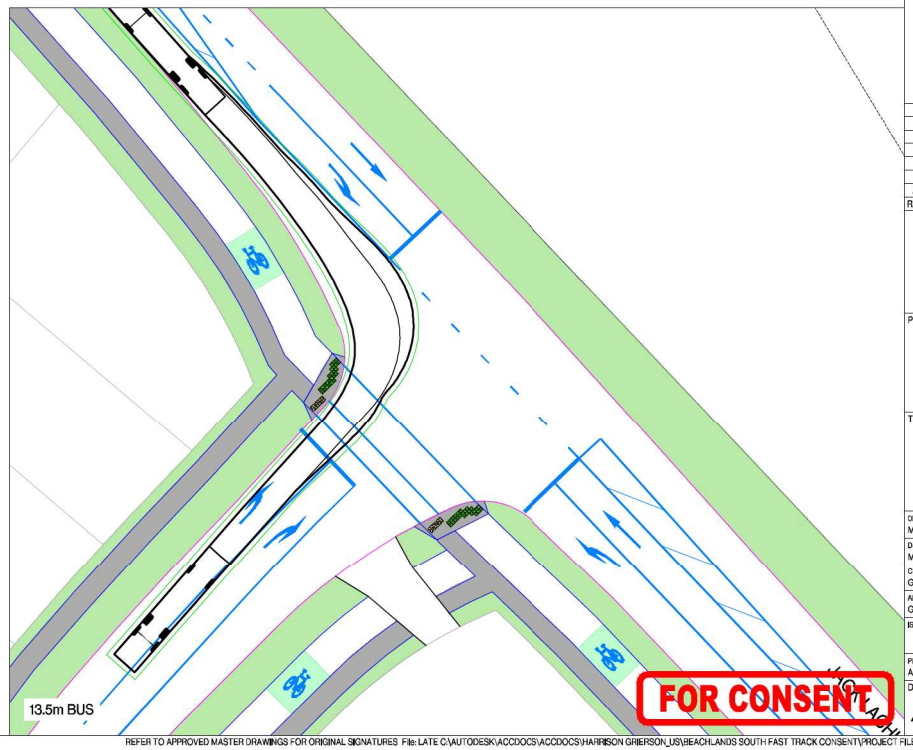
ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3550		REV A









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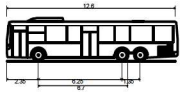
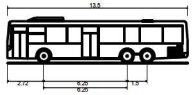


AT Design Vehicle - 12.6m - Urban Bus (RTS18)

Overall Length	12.600m
Overall Width	2.550m
Overall Body Height	3.311m
Min Body Ground Clearance	0.269m
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	3.373m
Min Body Ground Clearance	0.329m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	47.00°

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 1 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3551		REV A

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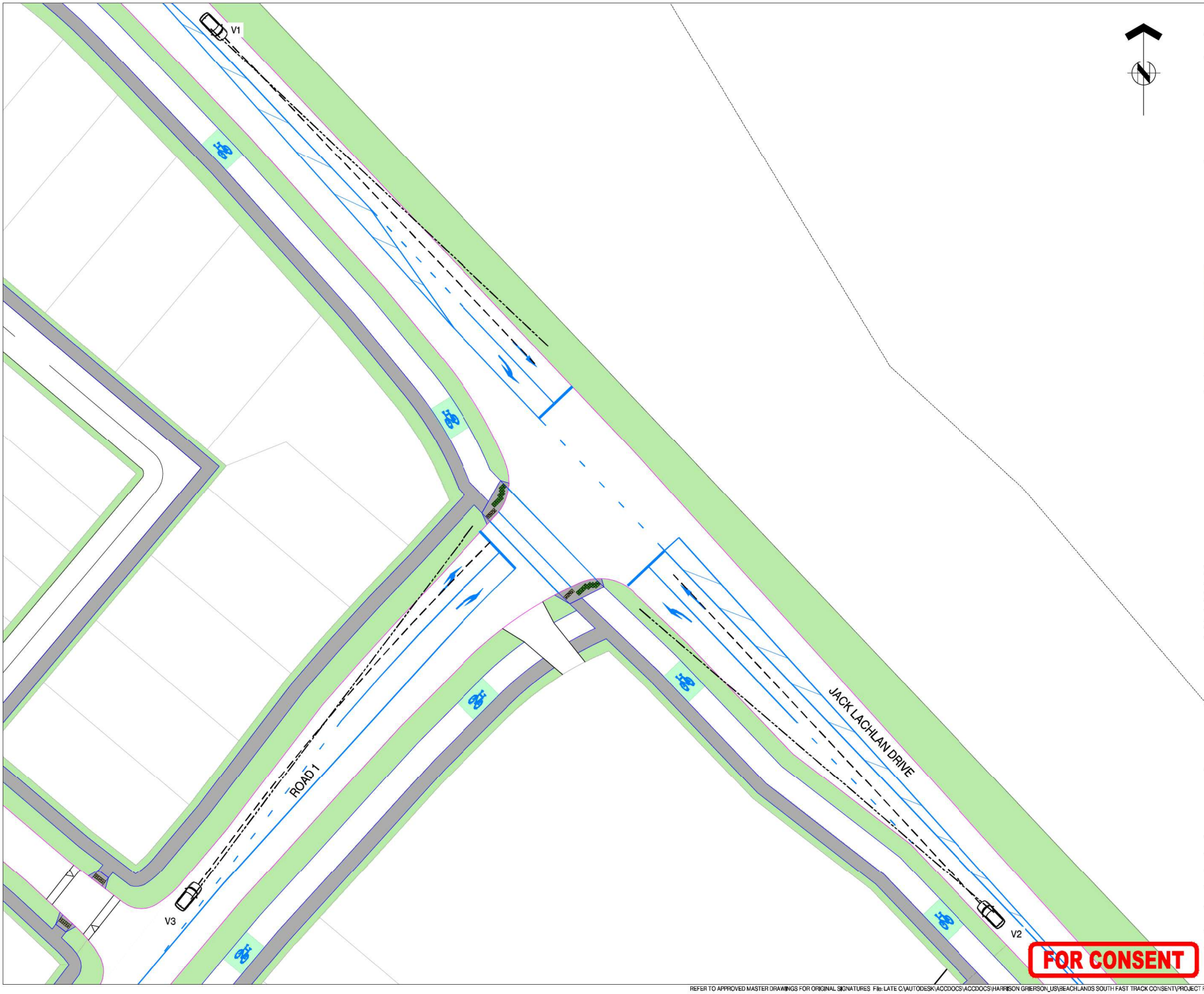

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NOTES:

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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	45	47.1	PASS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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

DRAWING No: A2515591.00-3552
REV A

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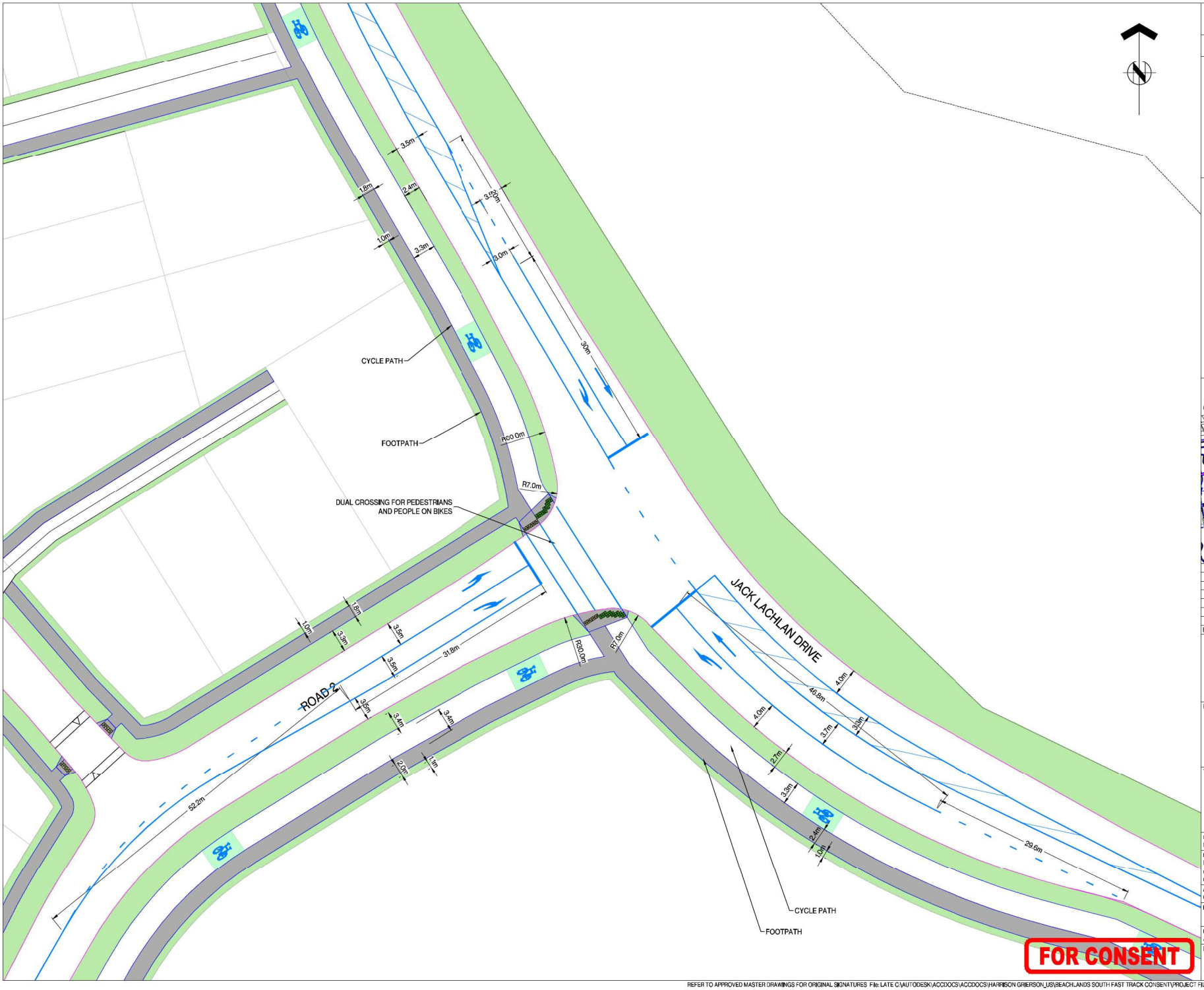

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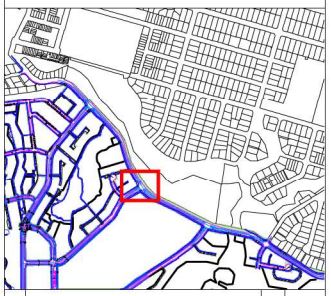
LEGEND

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



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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: MIP
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3560		REV A

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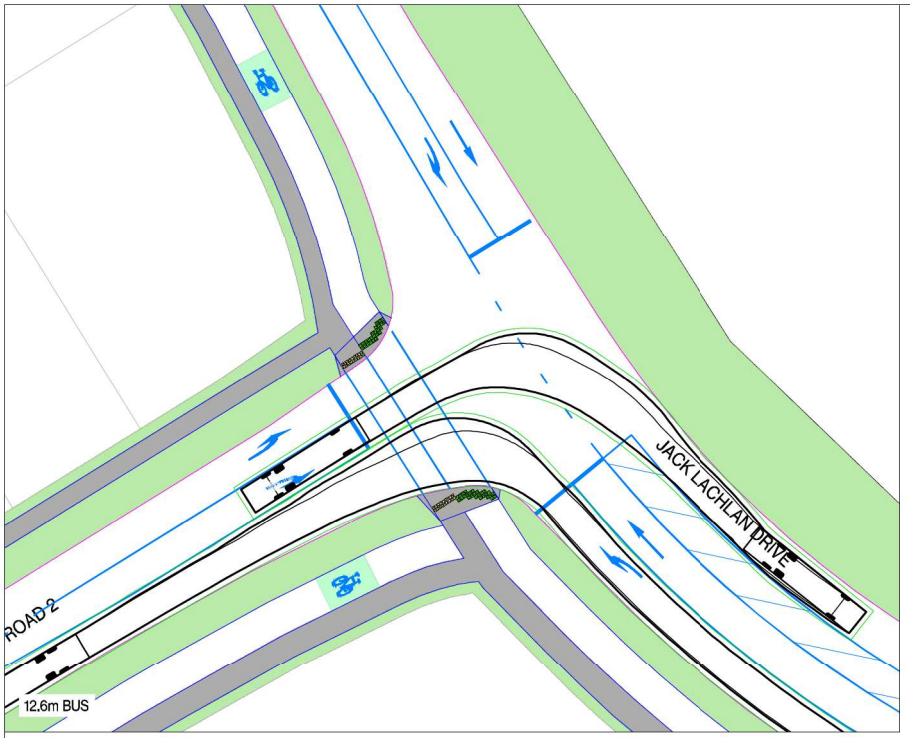

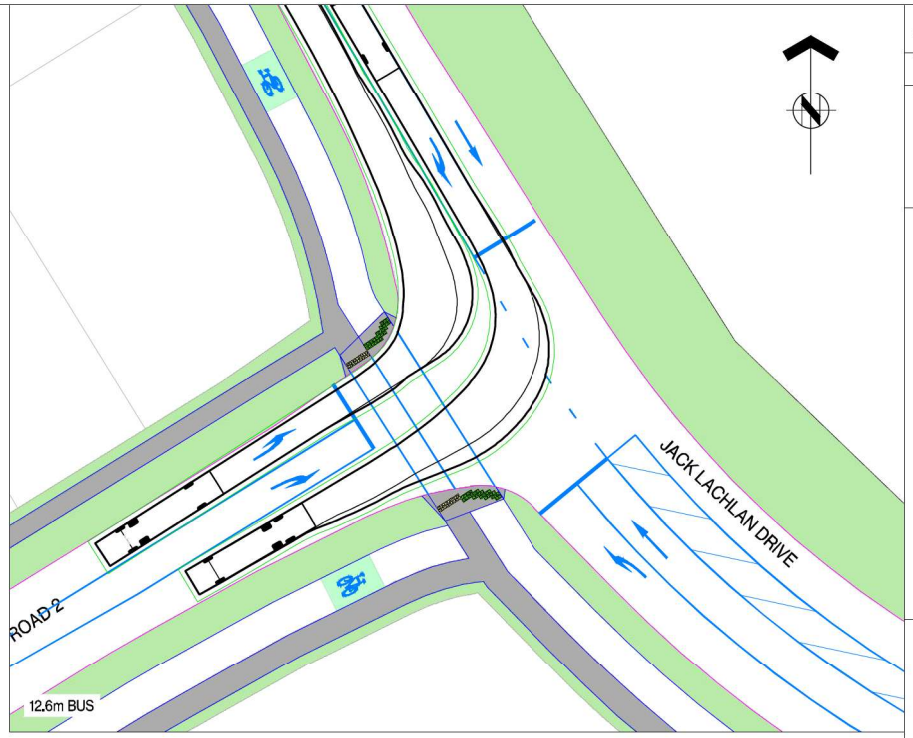

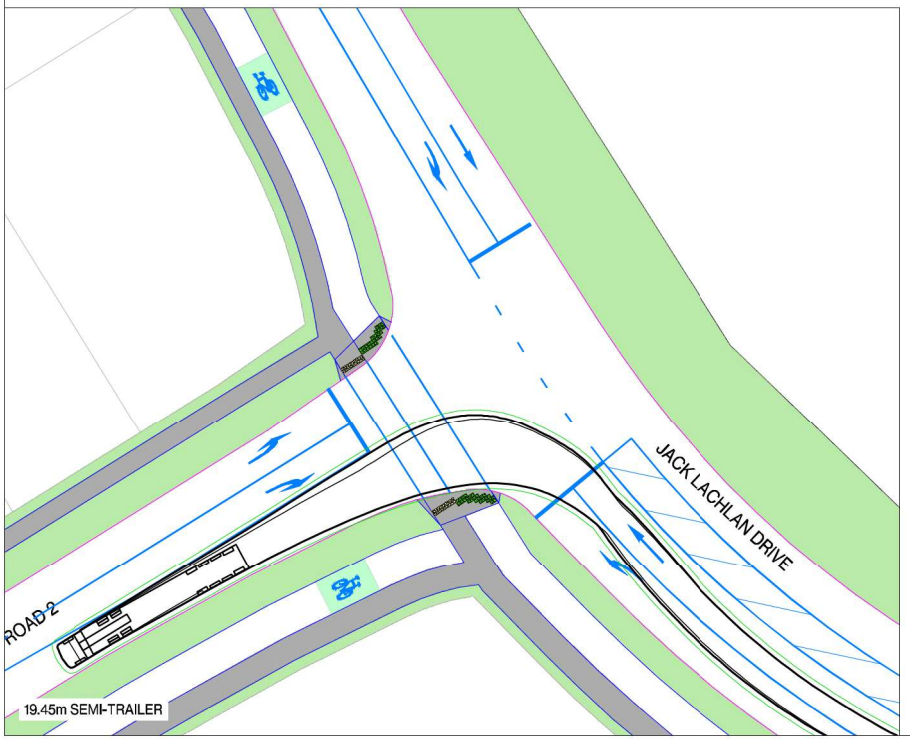

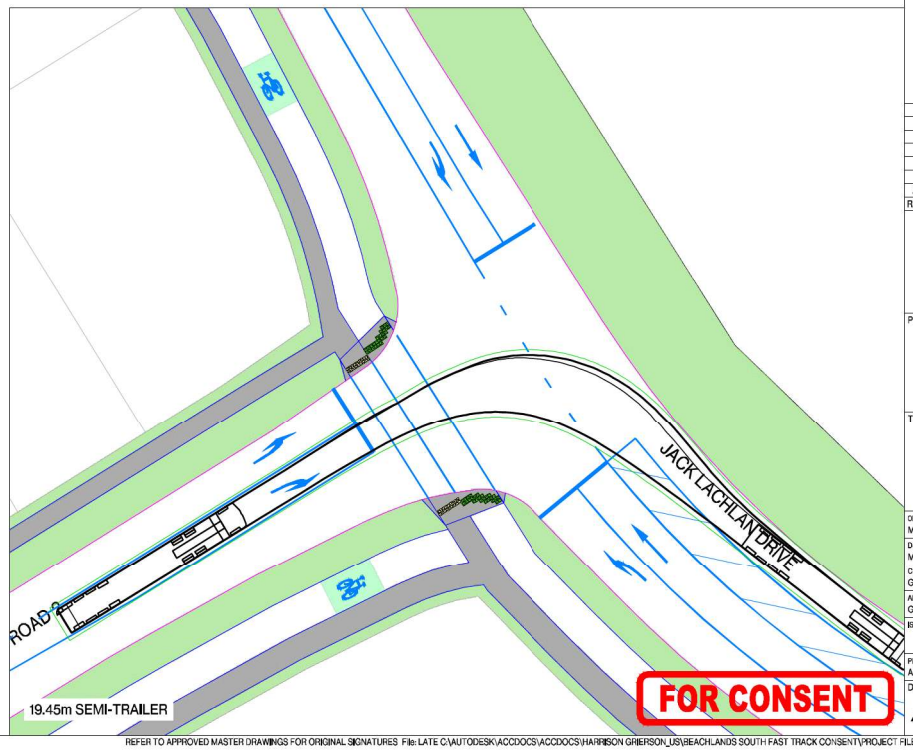

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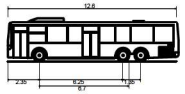
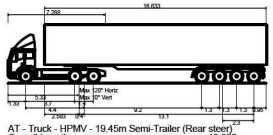


AT Design Vehicle - 12.6m - Urban Bus (RTS18)

Overall Length	12.600m
Overall Width	2.550m
Overall Body Height	3.311m
Min Body Ground Clearance	0.269m
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	19.380m
Overall Width	2.550m
Overall Body Height	4.386m
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	BY	DATE
A	FOR CONSENT	MIP	05/2026

HARRISON GRIERSON

AUCKLAND OFFICE
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T +64 9 917 5000
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

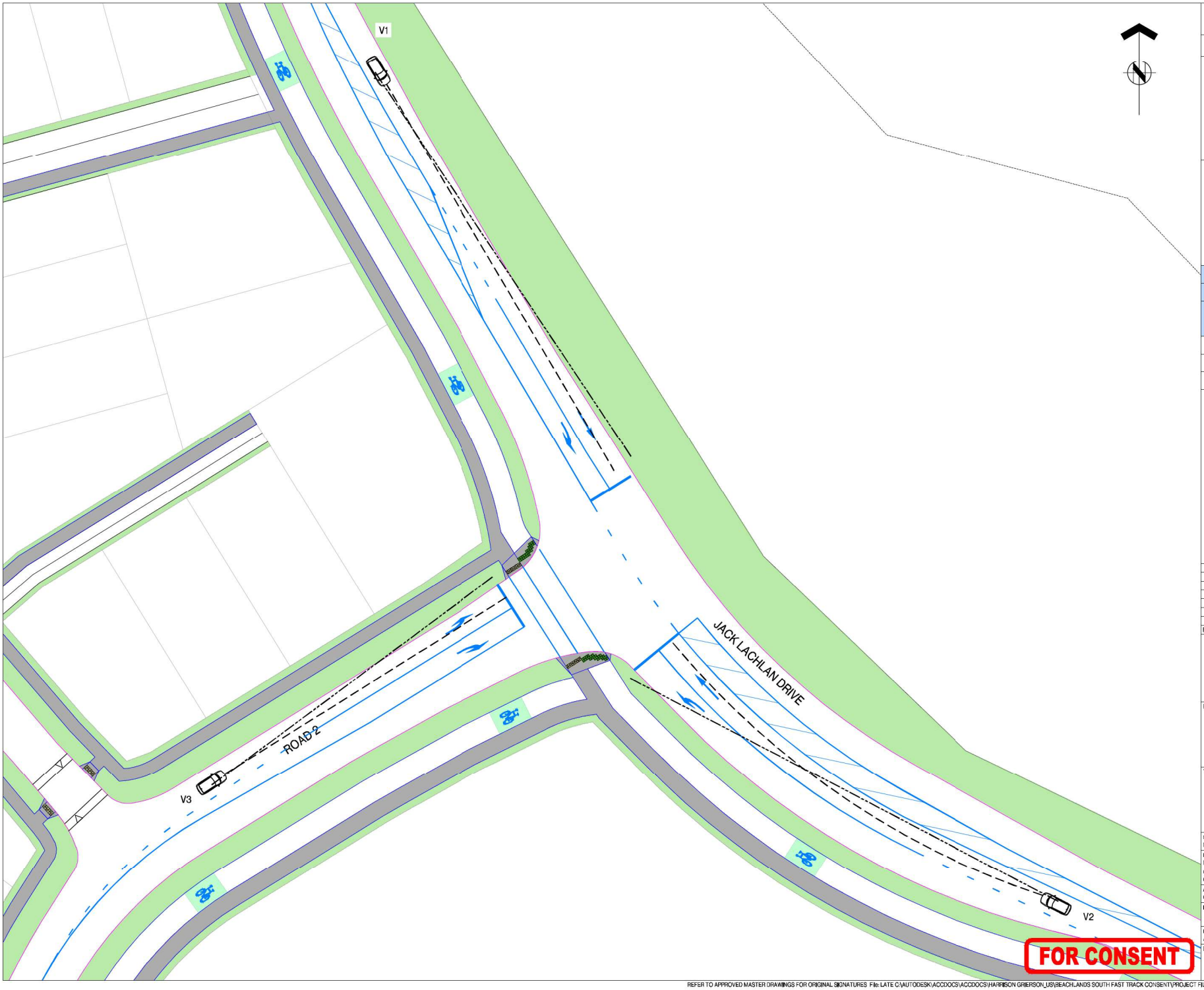
JLD - ROAD 2 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3561		REV A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: LATE C:\AUTODESK\ACCDOCS\ACCDOCS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3550 JLD TO INTERNAL.DWG



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NOTES:

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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	45	47.1	PASS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 2 INTERSECTION
SCHEME PLAN
SHEET 3 OF 3

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3562		REV A

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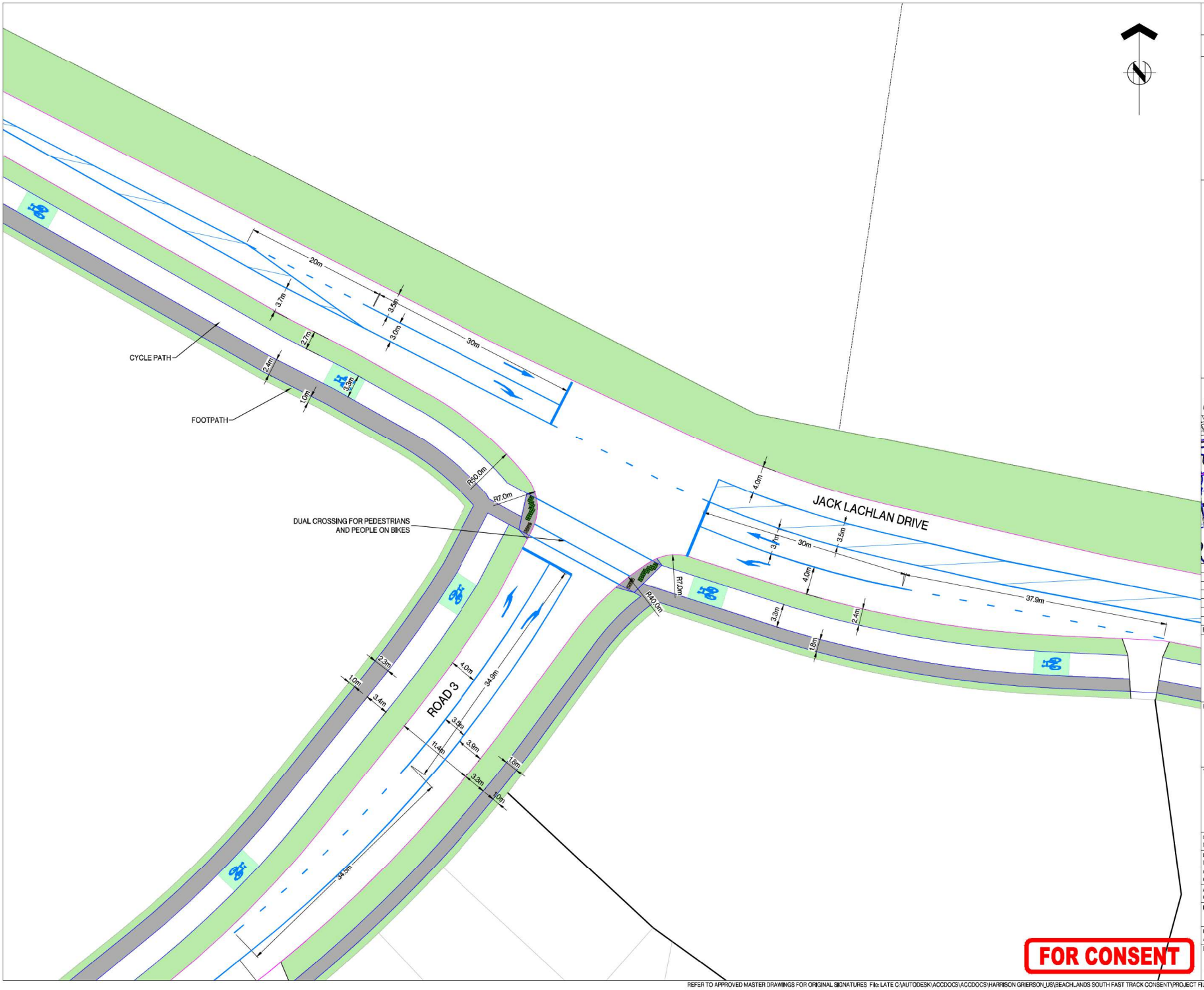

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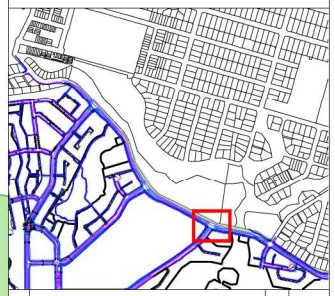
LEGEND

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



REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

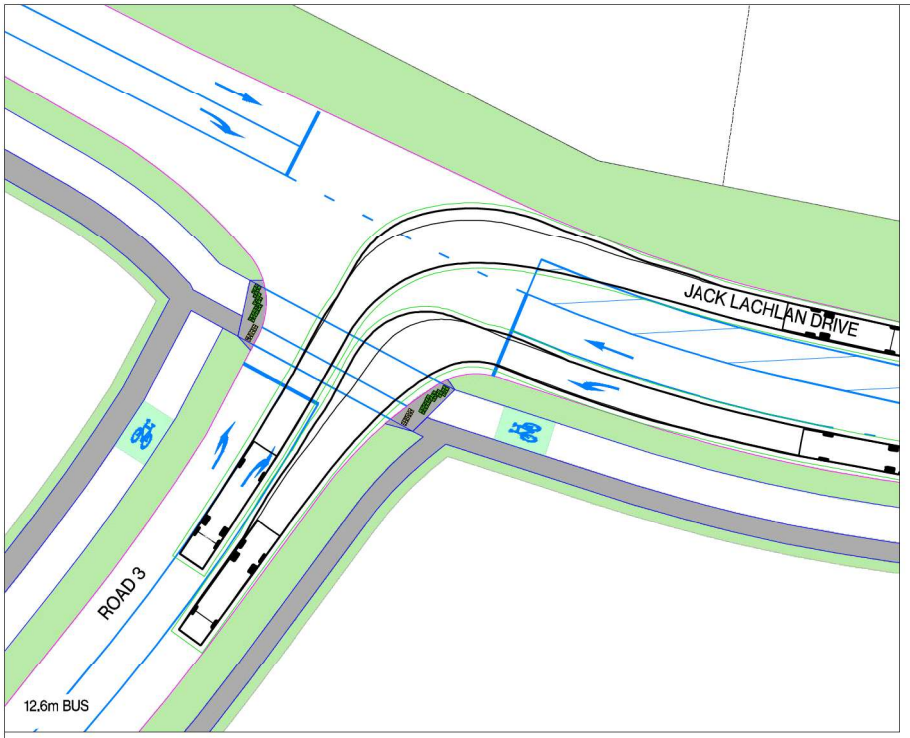
JLD - ROAD 3 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3

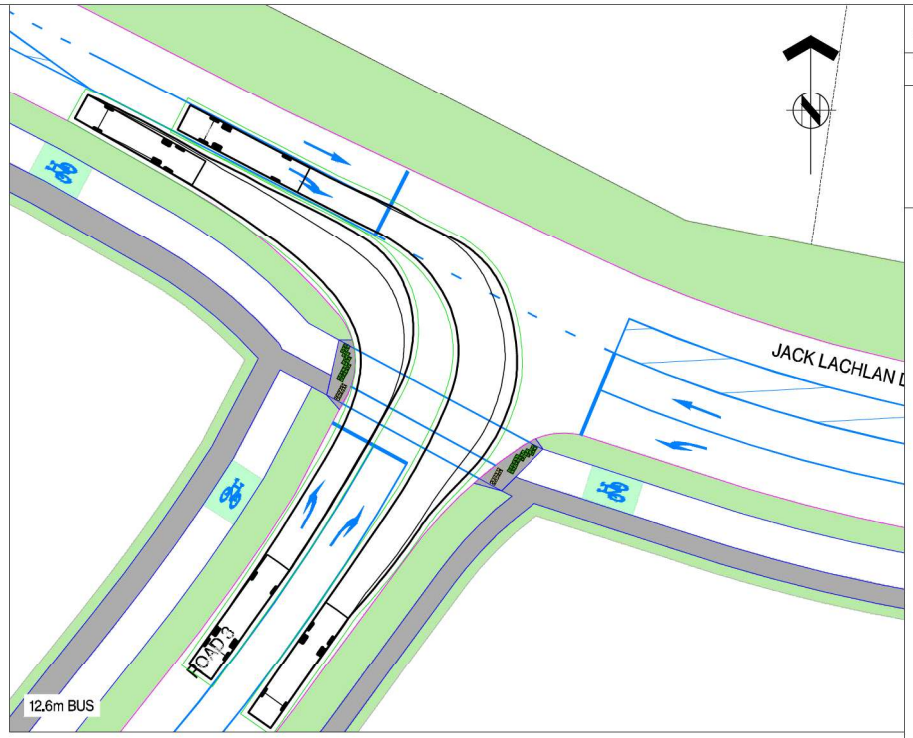
ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

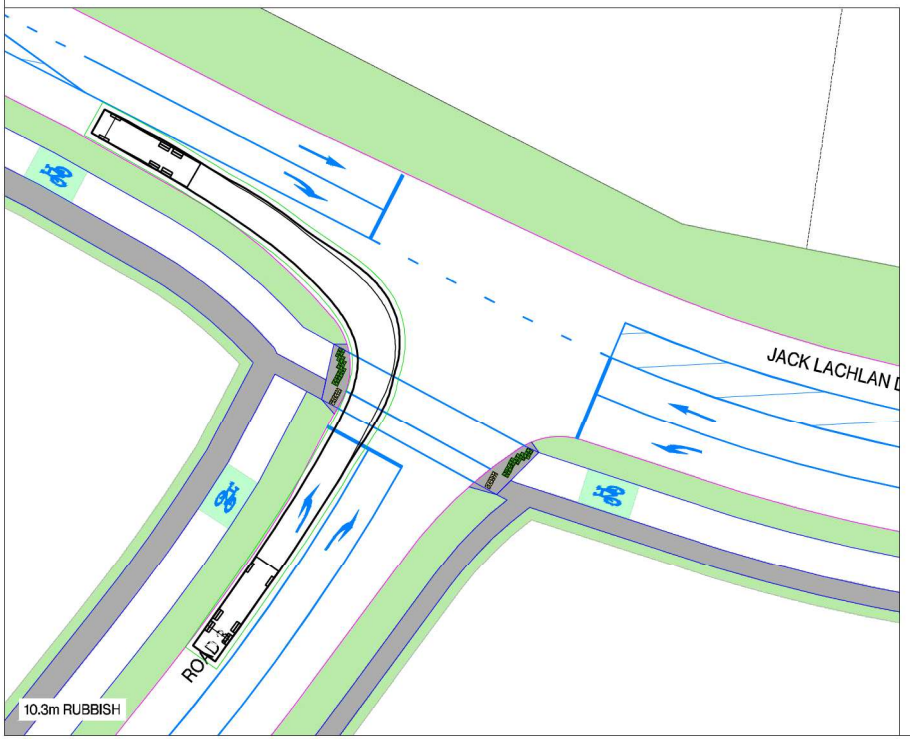
ISSUE STATUS: FAST TRACK CONSENT

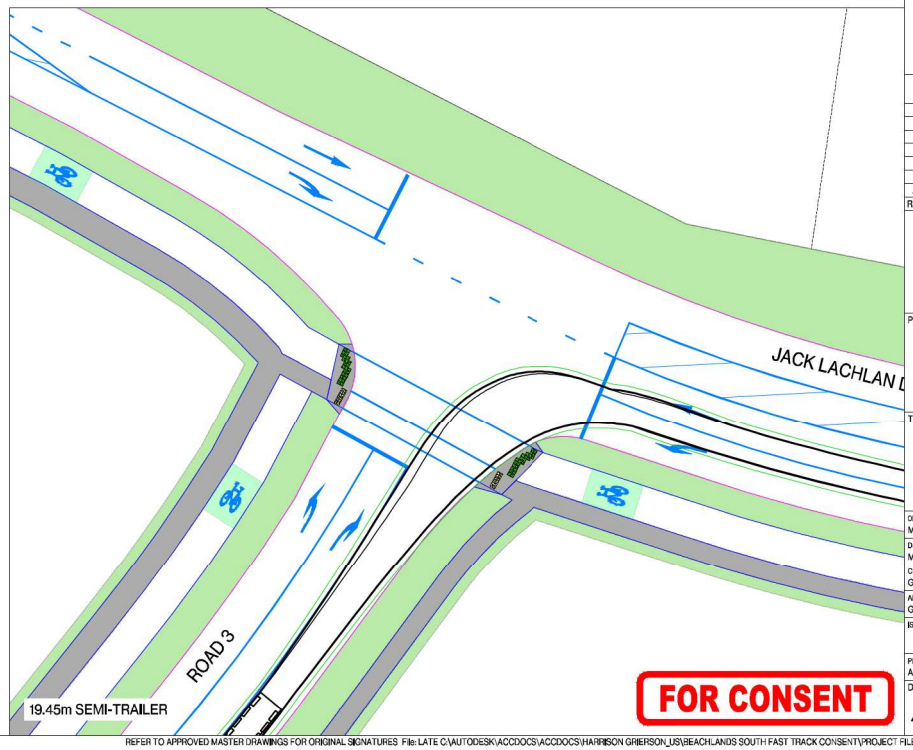
PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3570		REV A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: LATE C:\AUTODESK\ACCDOCS\ACCDOCS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3550 JLD TO INTERNAL.DWG









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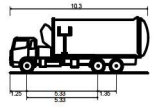
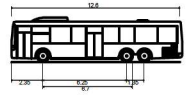


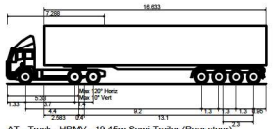
AT Check Vehicle - 10.3m - Rubbish Truck - Rear Steer

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°



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 - Truck - HPMV - 19.45m Semi-Trailer (Rear steer)

Overall Length	19.380m
Overall Width	2.550m
Overall Body Height	4.386m
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	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 3 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3

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

ISSUE STATUS: FAST TRACK CONSENT

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

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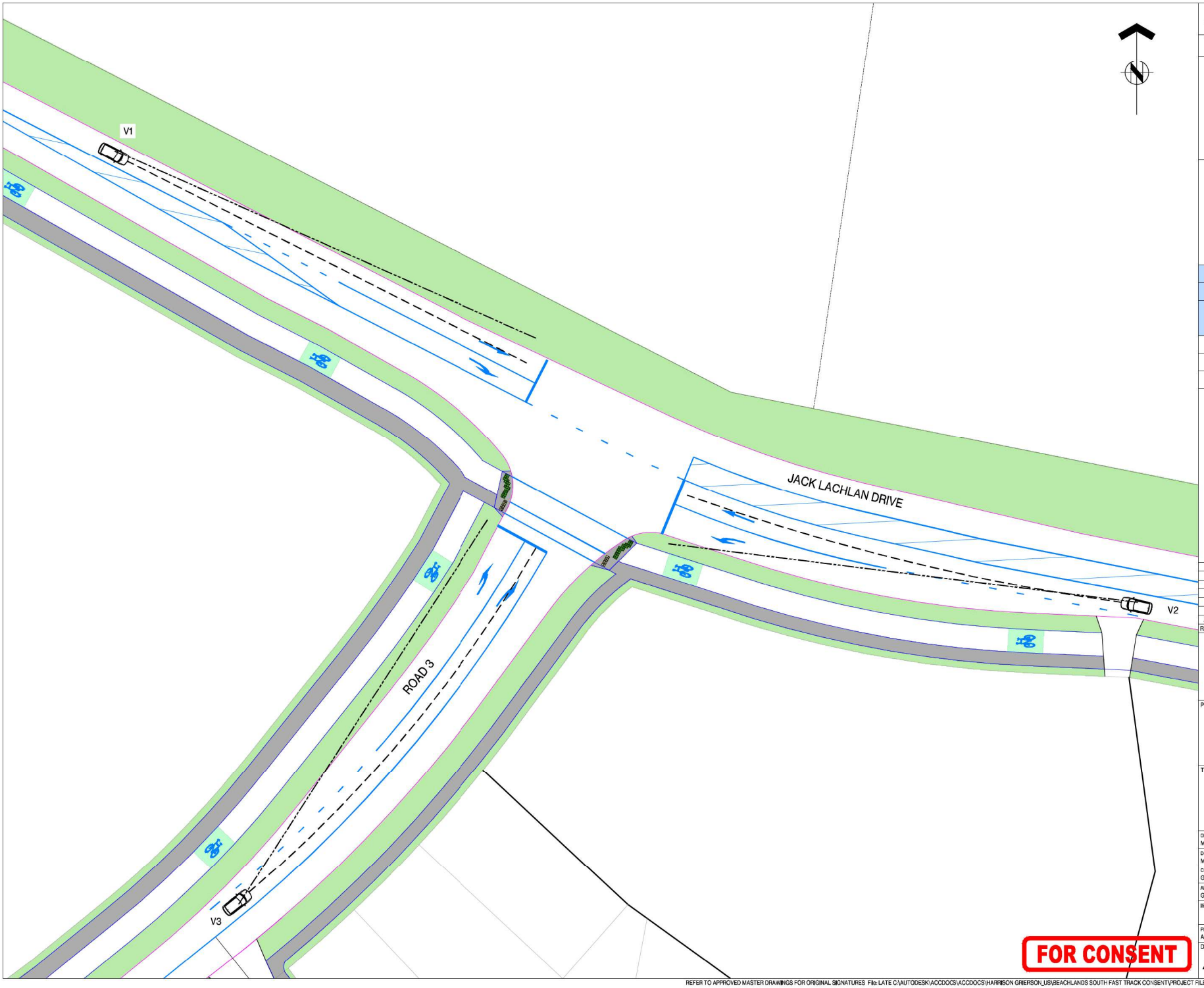

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LEGEND

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	55	63.6	PASS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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

ISSUE STATUS: FAST TRACK CONSENT

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

DRAWING No: A2515591.00-3572

REV A

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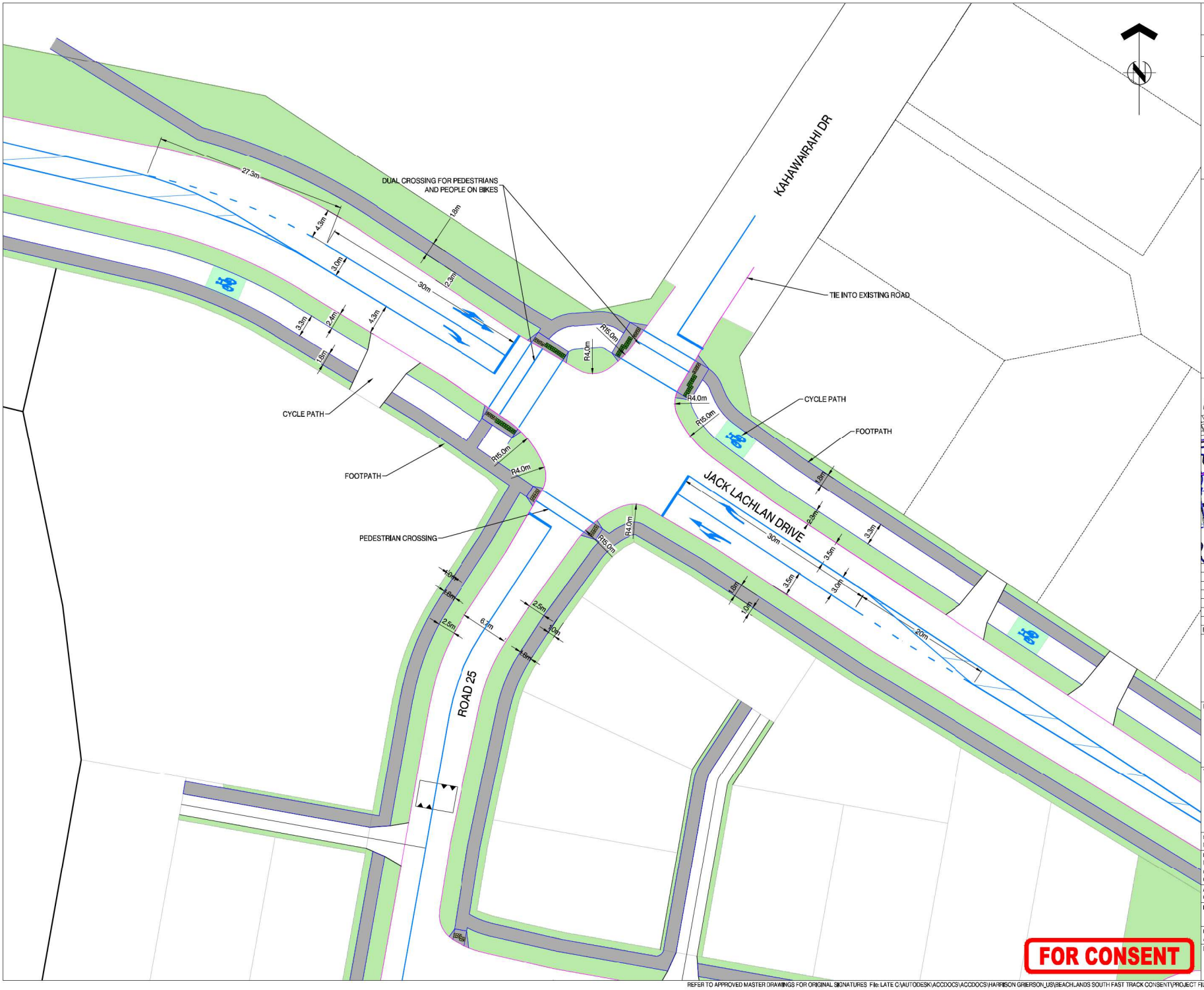

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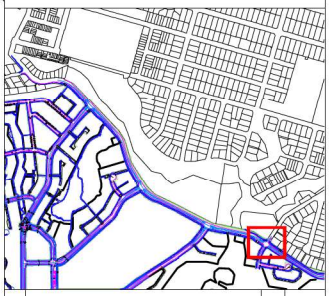
LEGEND

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



REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

HARRISON GRIERSON
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Level 4, 96 St. Georges Bay Road
Parnell, Auckland 1052
T +64 9 917 5000
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

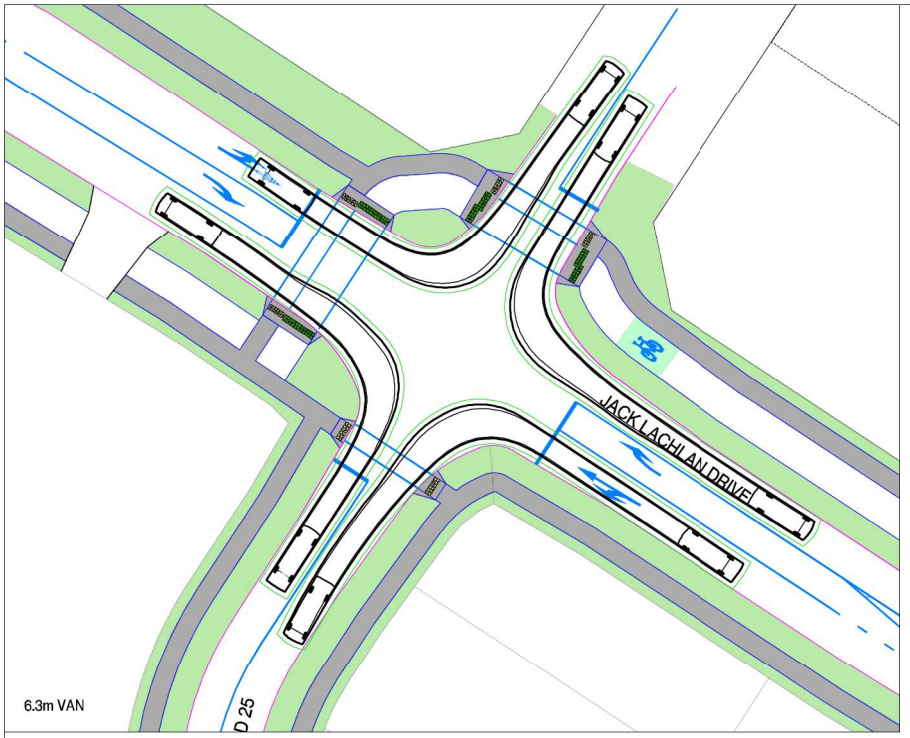
JLD - ROAD 25 INTERSECTION
SCHEME PLAN
SHEET 1 OF 3

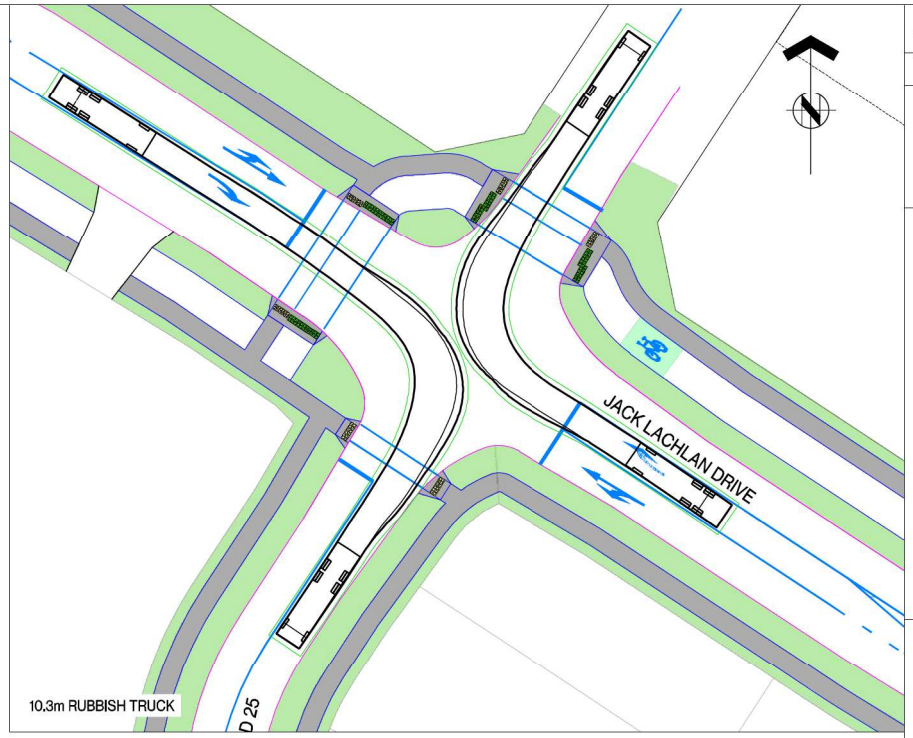
ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

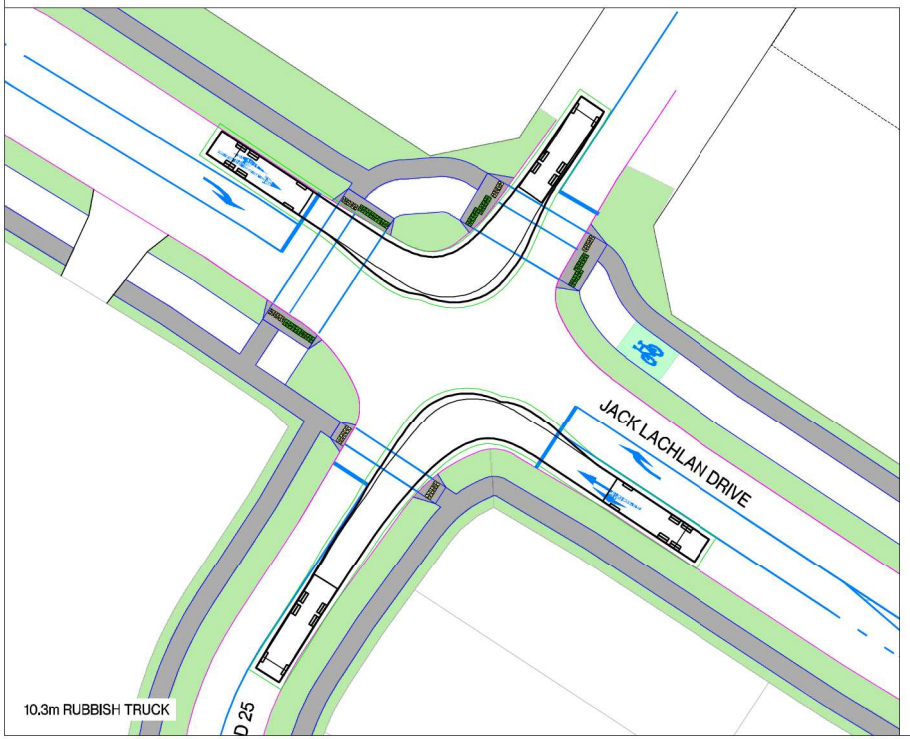
ISSUE STATUS: FAST TRACK CONSENT

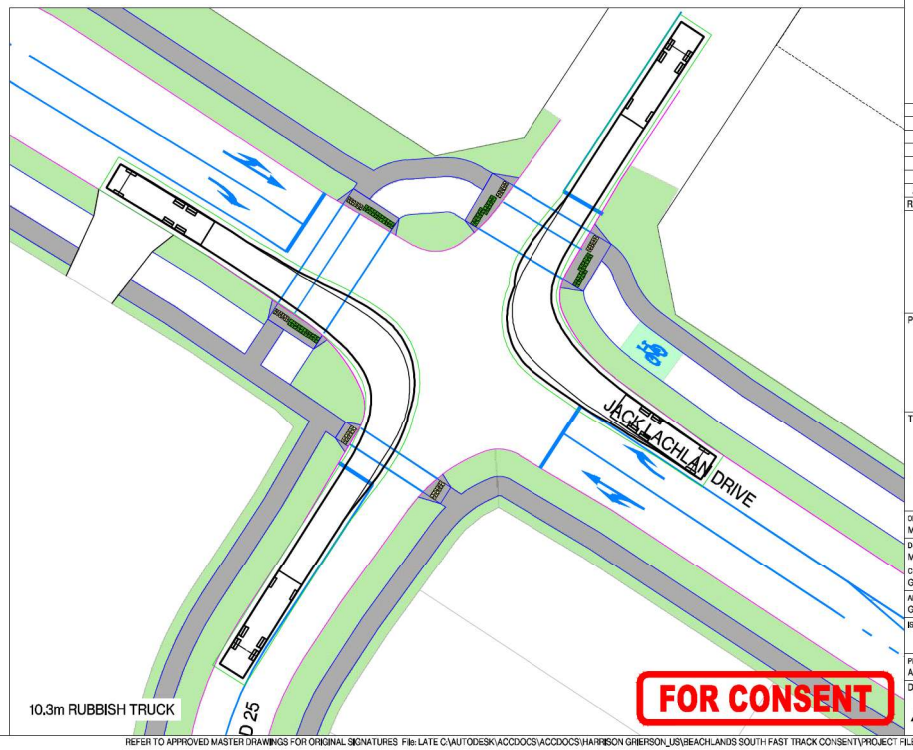
PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3580		REV A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: LATE C:\AUTODESK\ACCDOCS\ACCDOCS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3550 JLD TO INTERNAL.DWG









ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND

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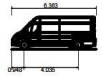
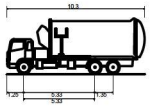


AT Design Vehicle - 6.3m - Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.432m
Min Body Ground Clearance	0.206m
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	BY	DATE
A	FOR CONSENT	MIP	05/2026

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AUCKLAND OFFICE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 25 INTERSECTION
SCHEME PLAN
SHEET 2 OF 3

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 05/2026
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00

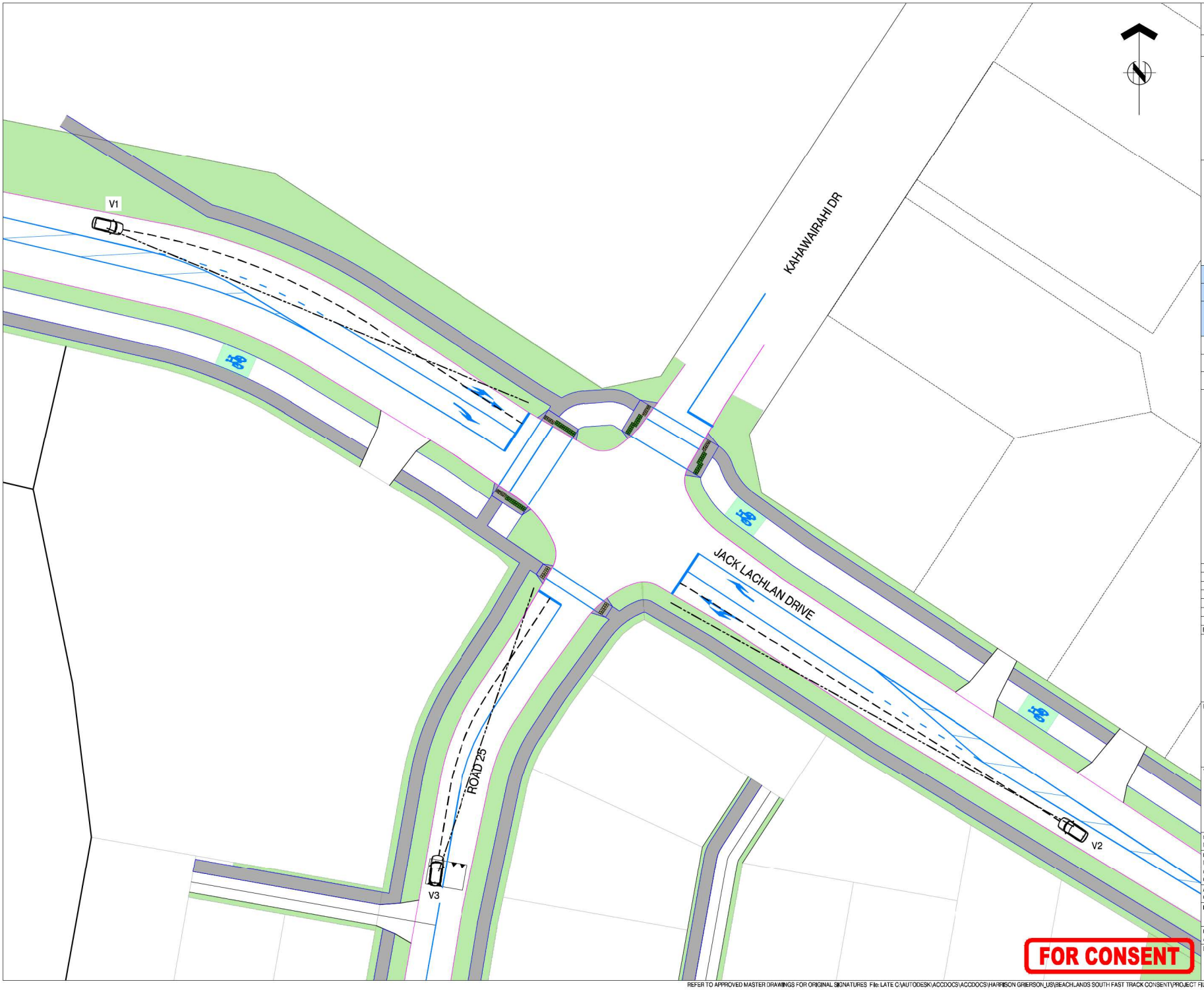
SCALES: A1: 1:250 A3 1:500

A1

DRAWING No: A2515591.00-3581

REV A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: LATE C:\AUTODESK\ACCDOCS\ACCDOCS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3550 JLD TO INTERNAL.DWG



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NOTES:

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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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

JLD - ROAD 25 INTERSECTION
SCHEME PLAN
SHEET 3 OF 3

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3582		REV A

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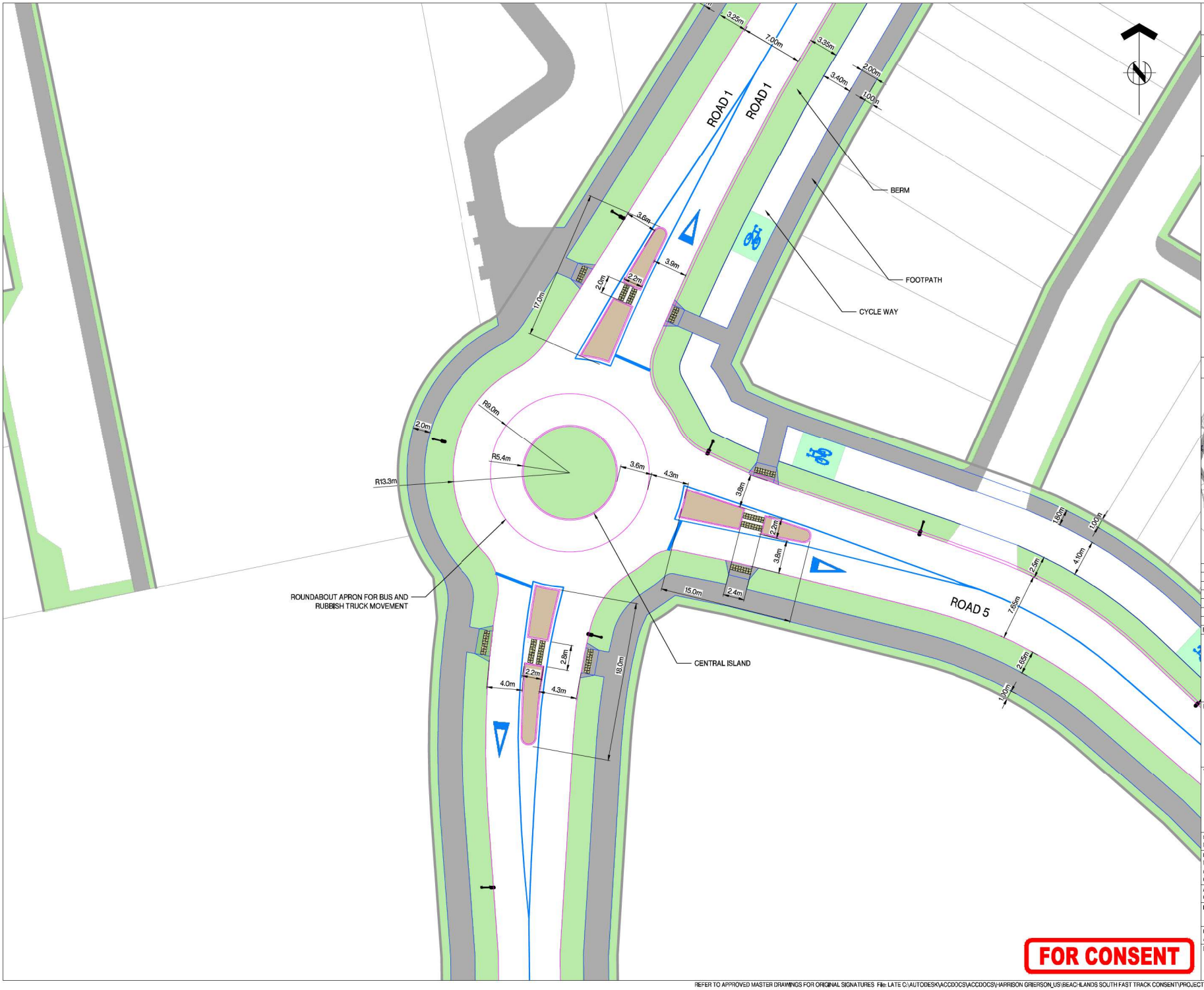

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NOTES:

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2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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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: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:200 A3 1:400	A1
DRAWING No: A2515591.00-3600		REV A

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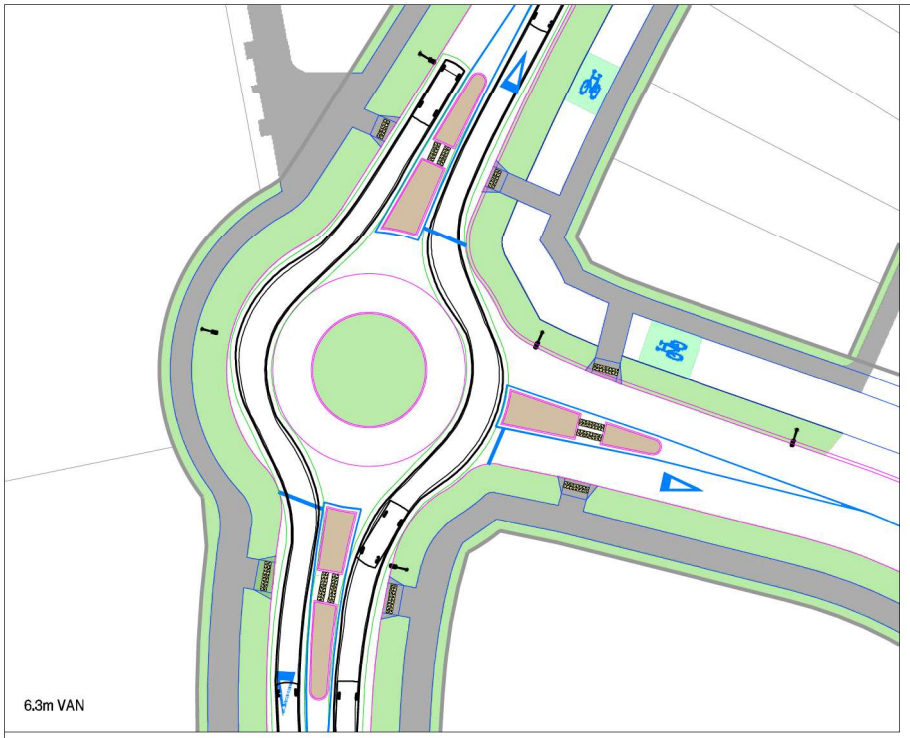

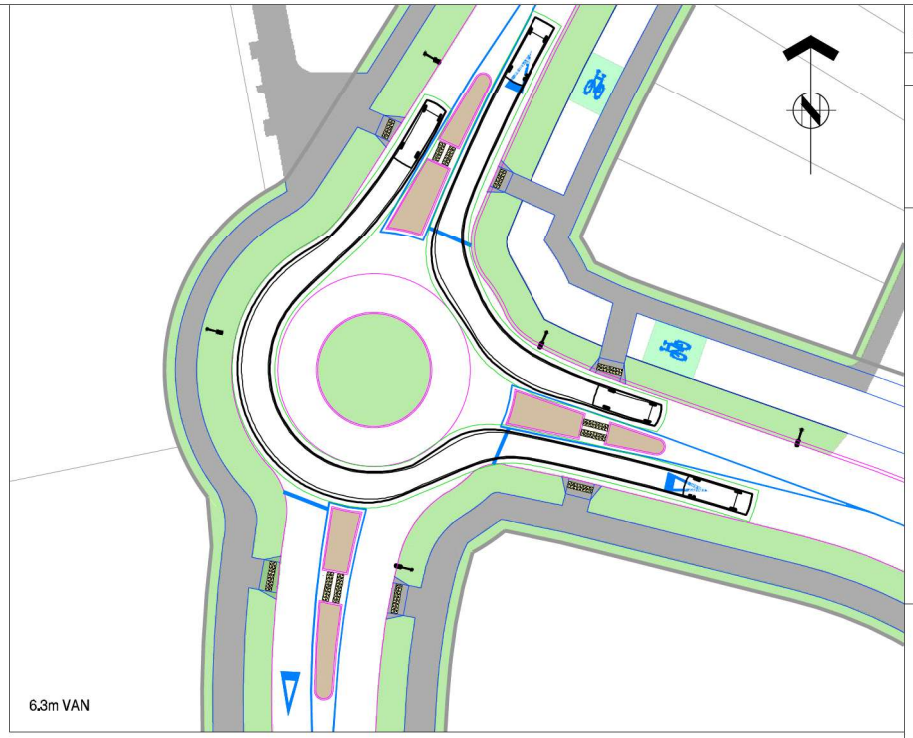

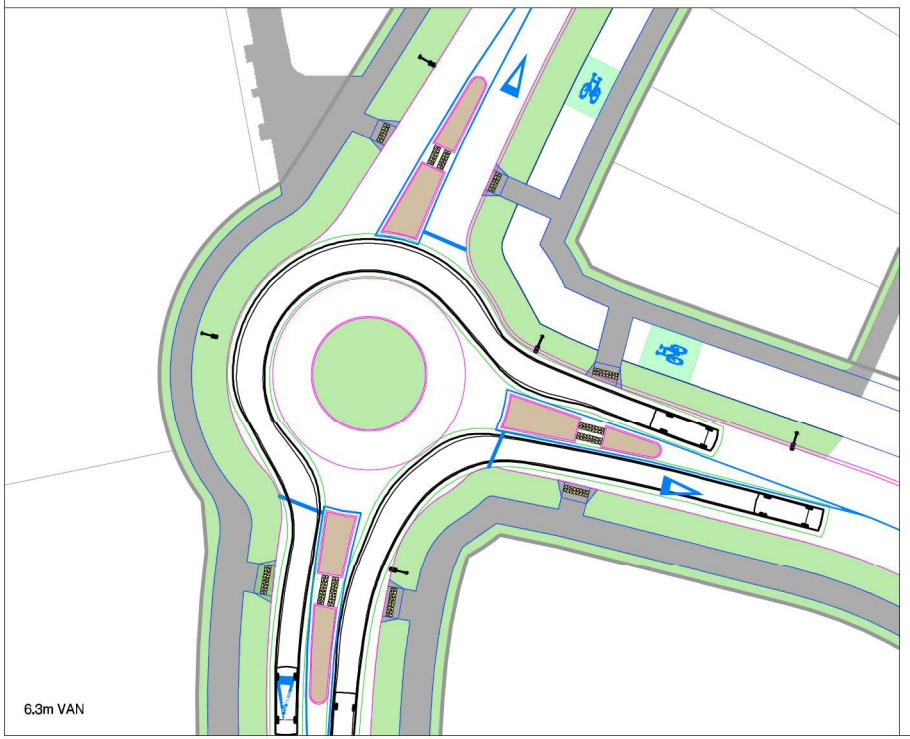

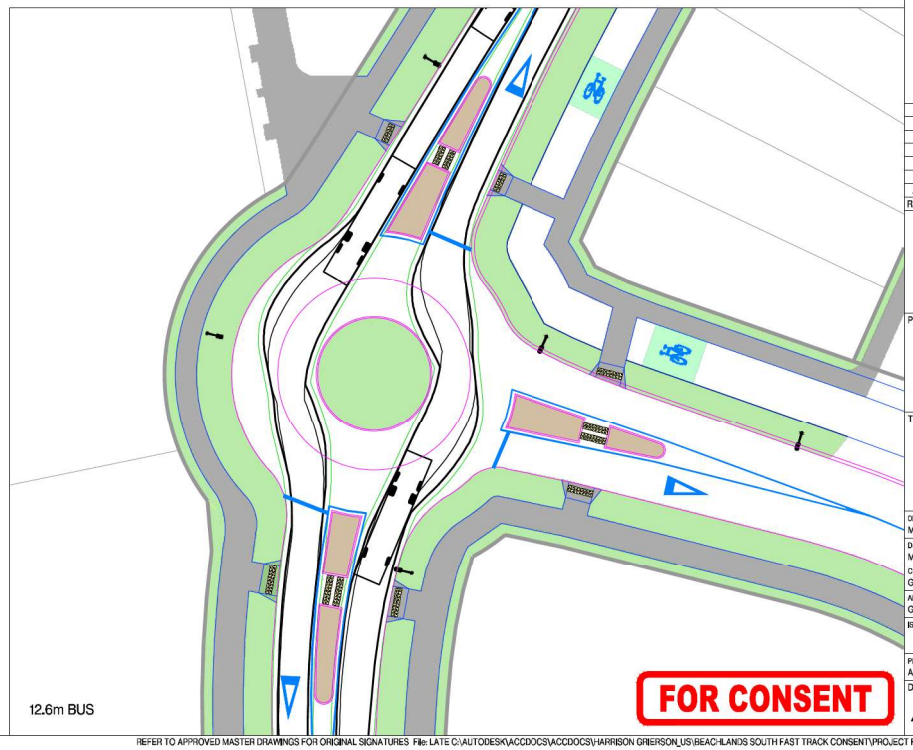

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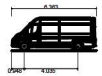
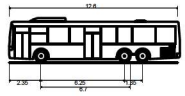


AT Design Vehicle - 6.3m - Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.432m
Min Body Ground Clearance	0.206m
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	2.550m
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

REF	REVISIONS	BY	DATE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 2 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3601		REV A

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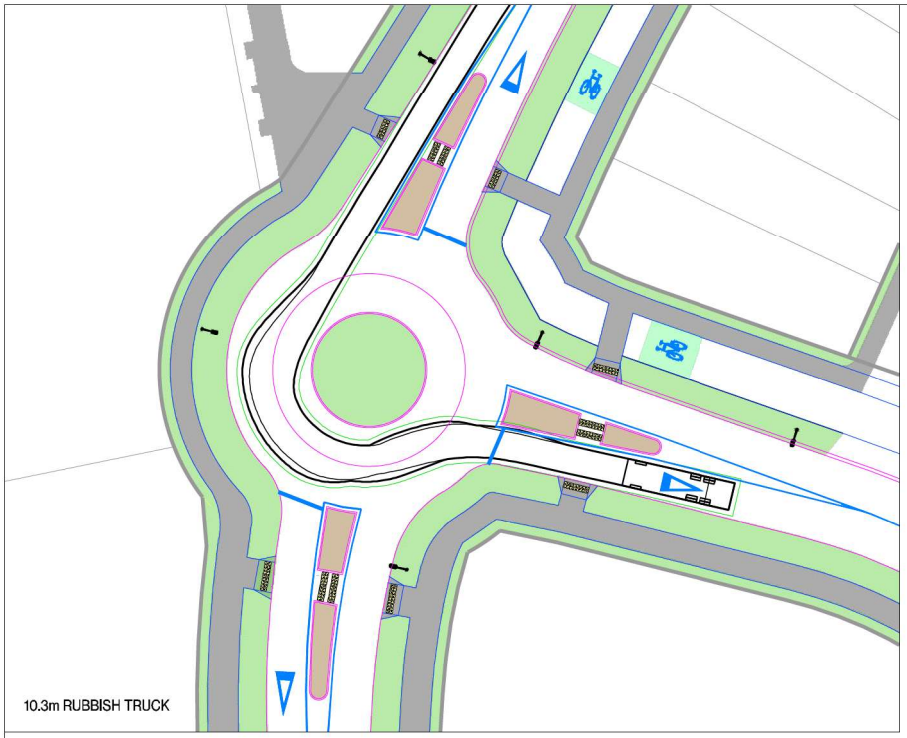

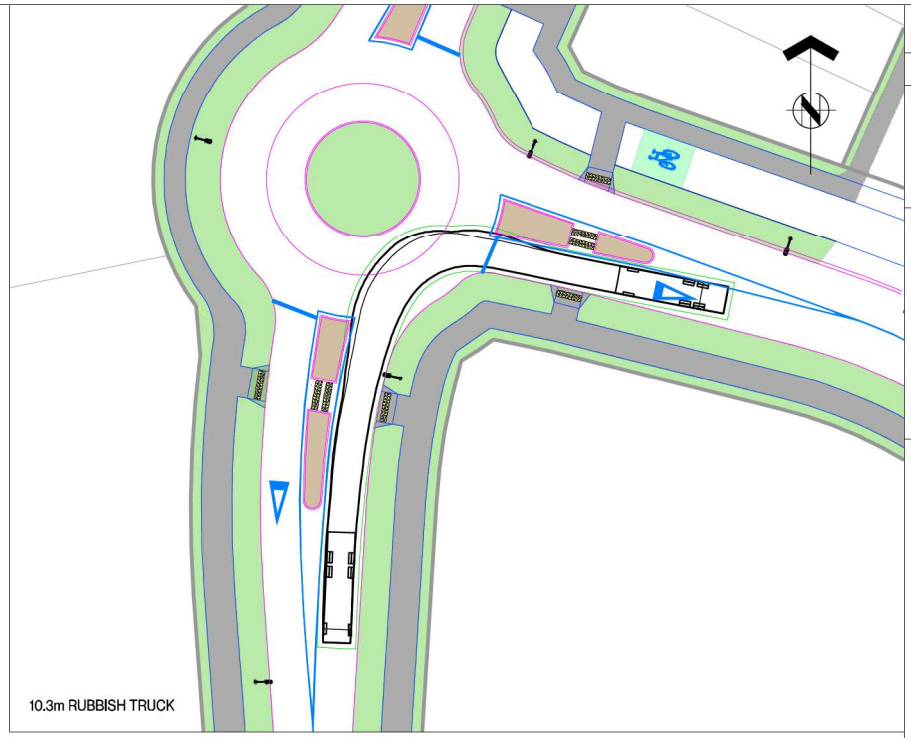

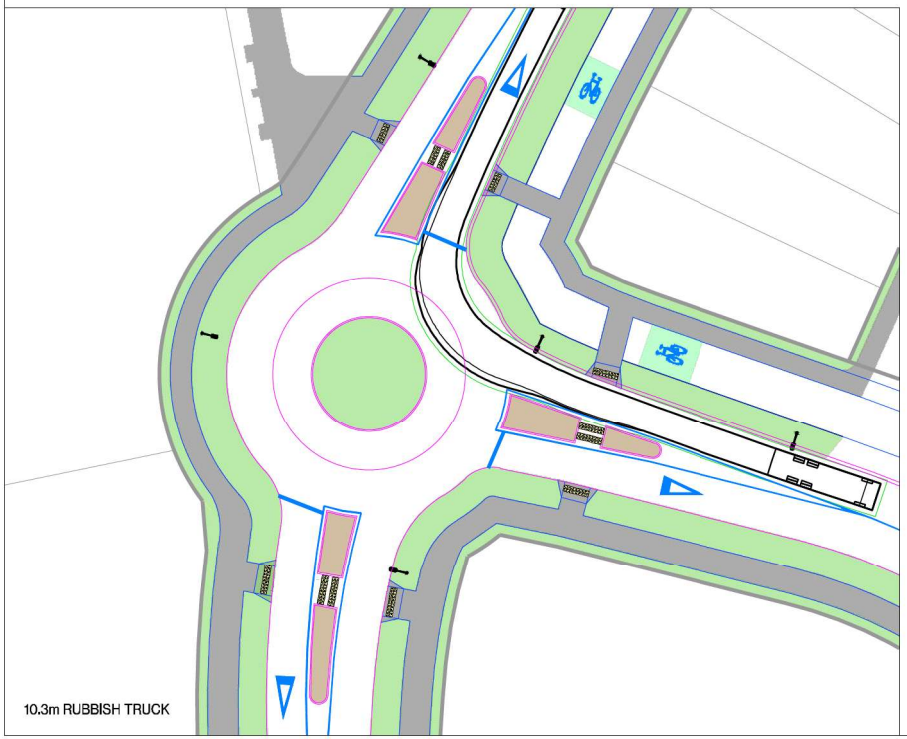

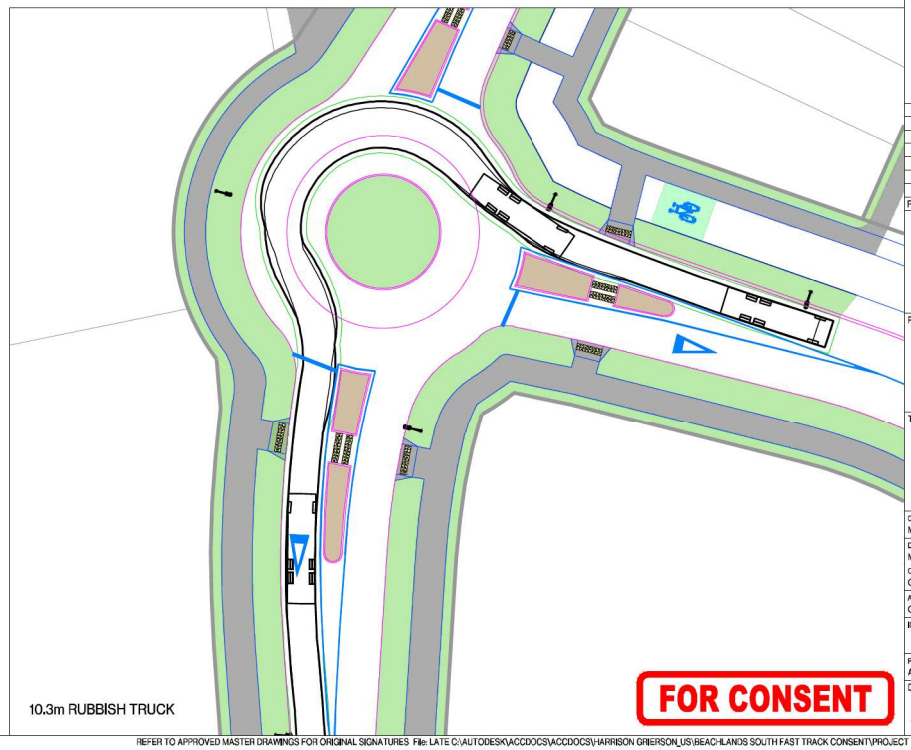

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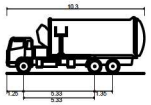

AT Check Vehicle - 10.3m - Rubbish Truck - Rear Steer

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	BY	DATE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 3 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

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

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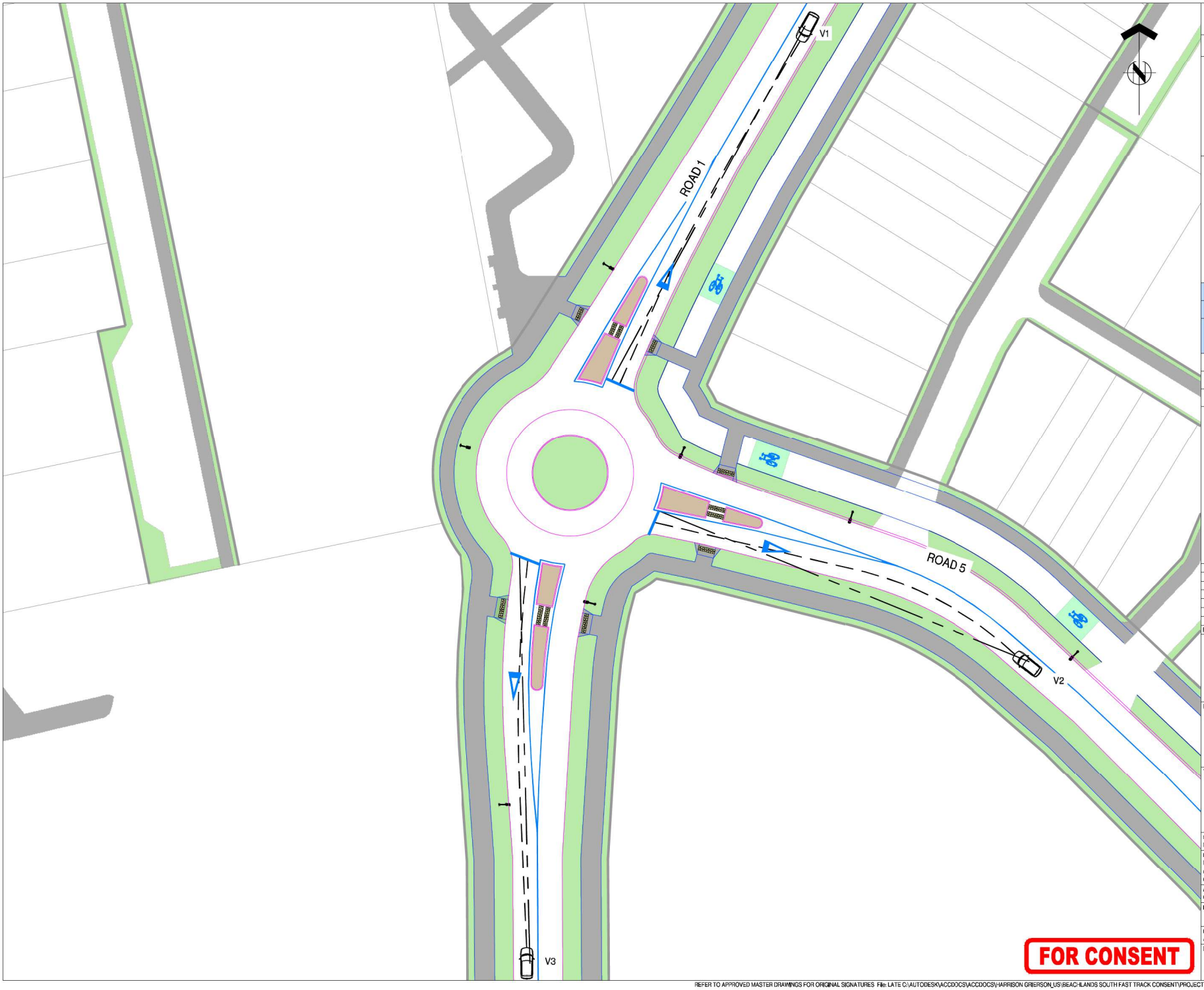

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NOTES:

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2. VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT			
APPRROACH 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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 4 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
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ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3603		REV A

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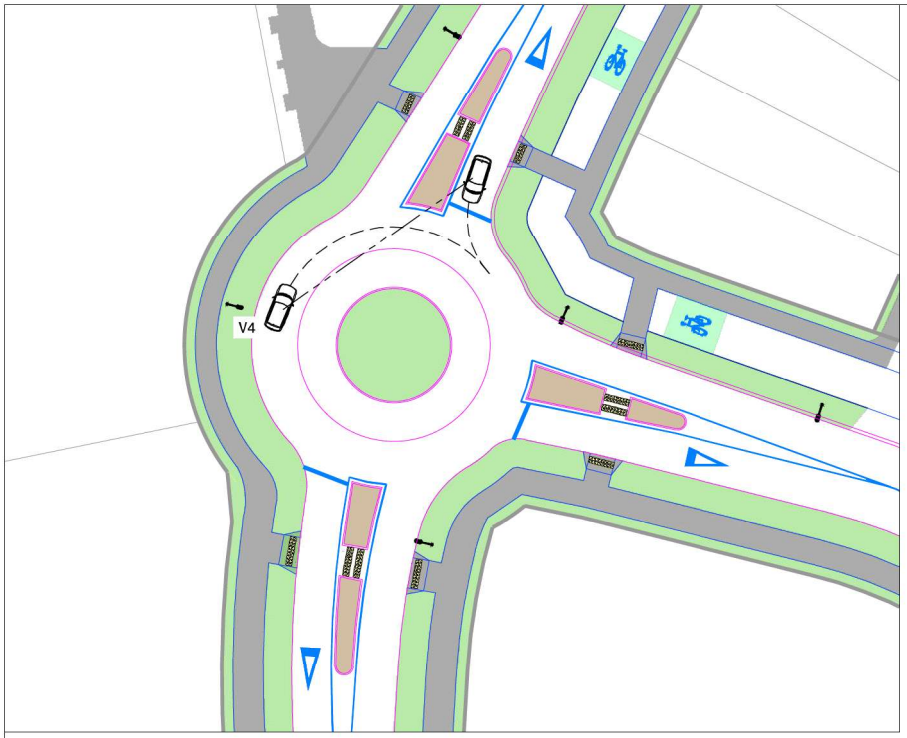

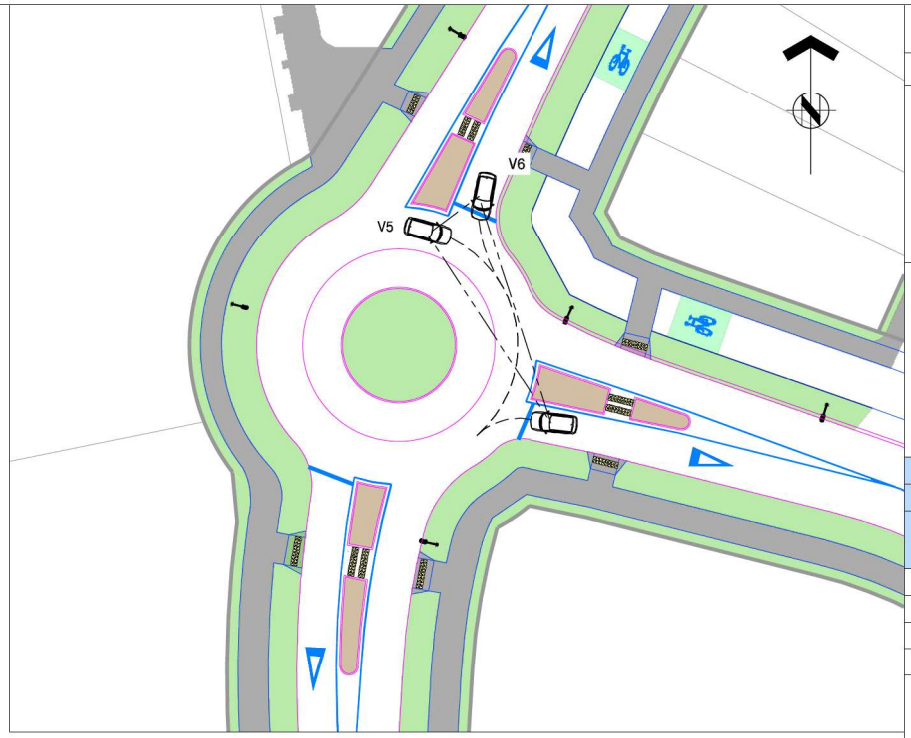

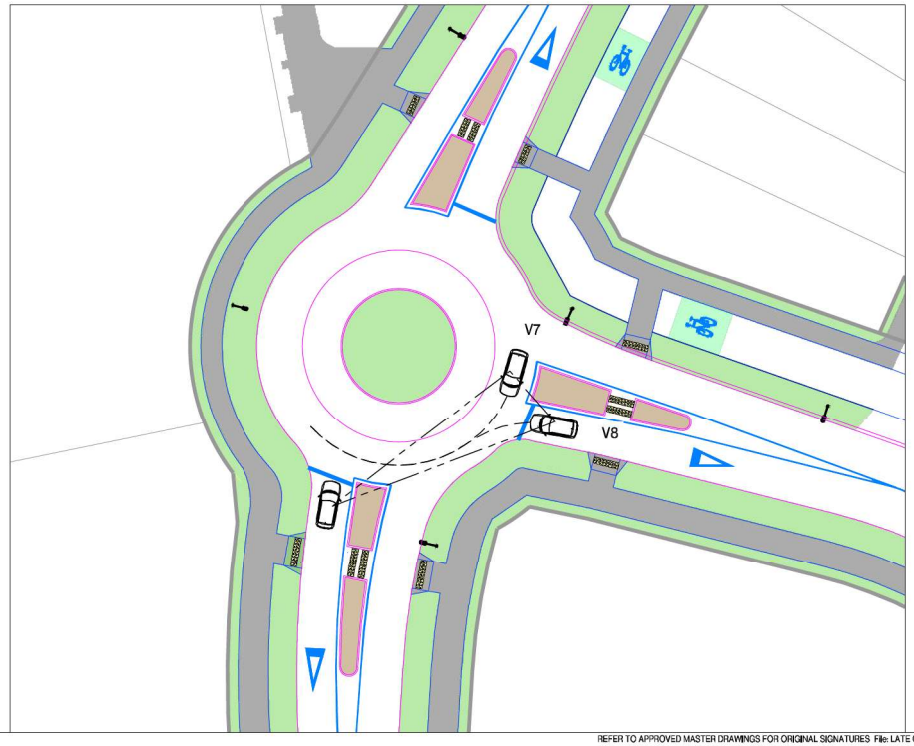

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NOTES:

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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

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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 5 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250m A3 1:500m	A1
DRAWING No: A2515591.00-3604		REV A

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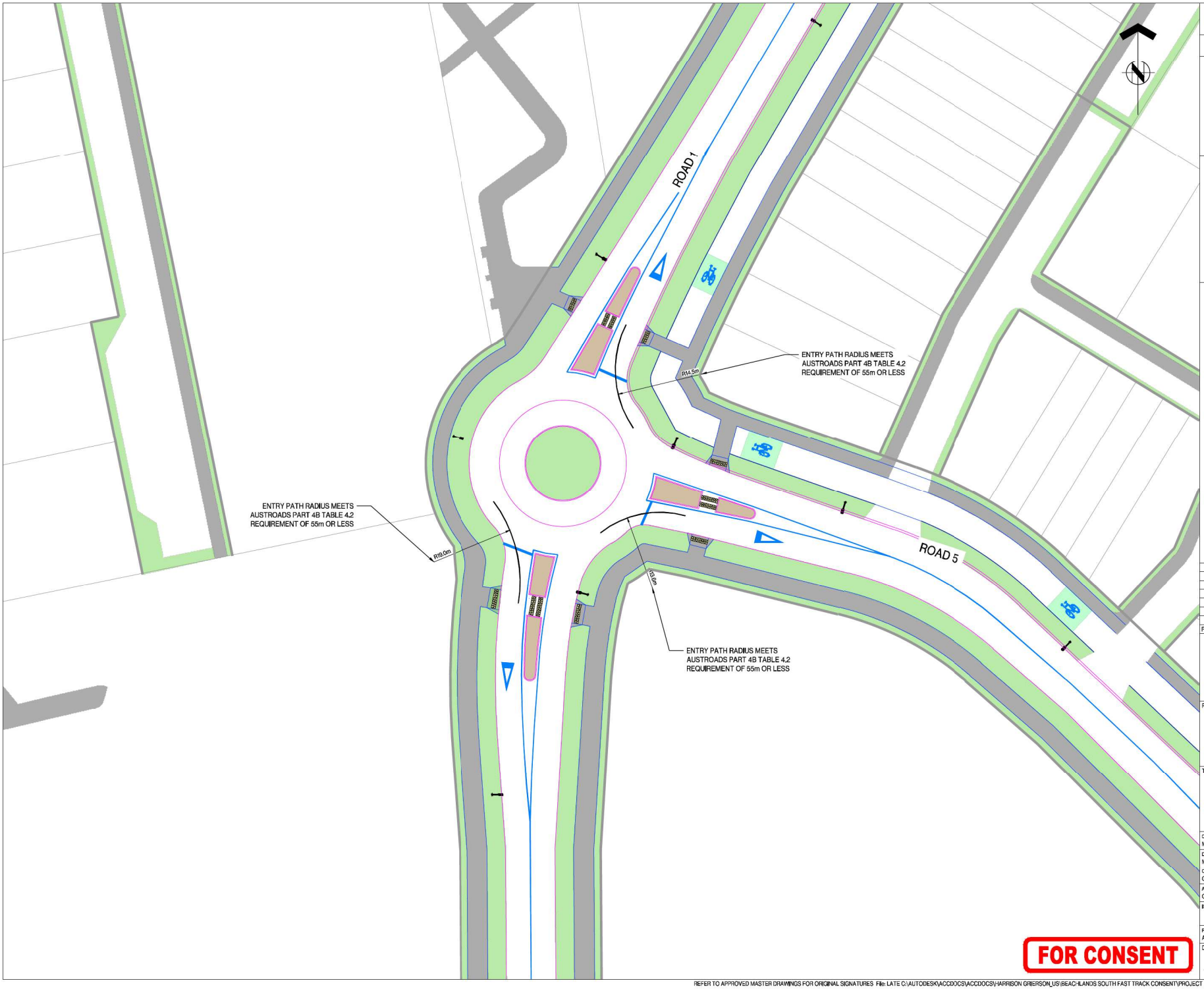

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NOTES:

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2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

MEETS ENTRY PATH RADIUS REQUIREMENTS

FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

REF	REVISIONS	BY	DATE
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BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 1
SCHEME PLAN
SHEET 6 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
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PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3605		REV A

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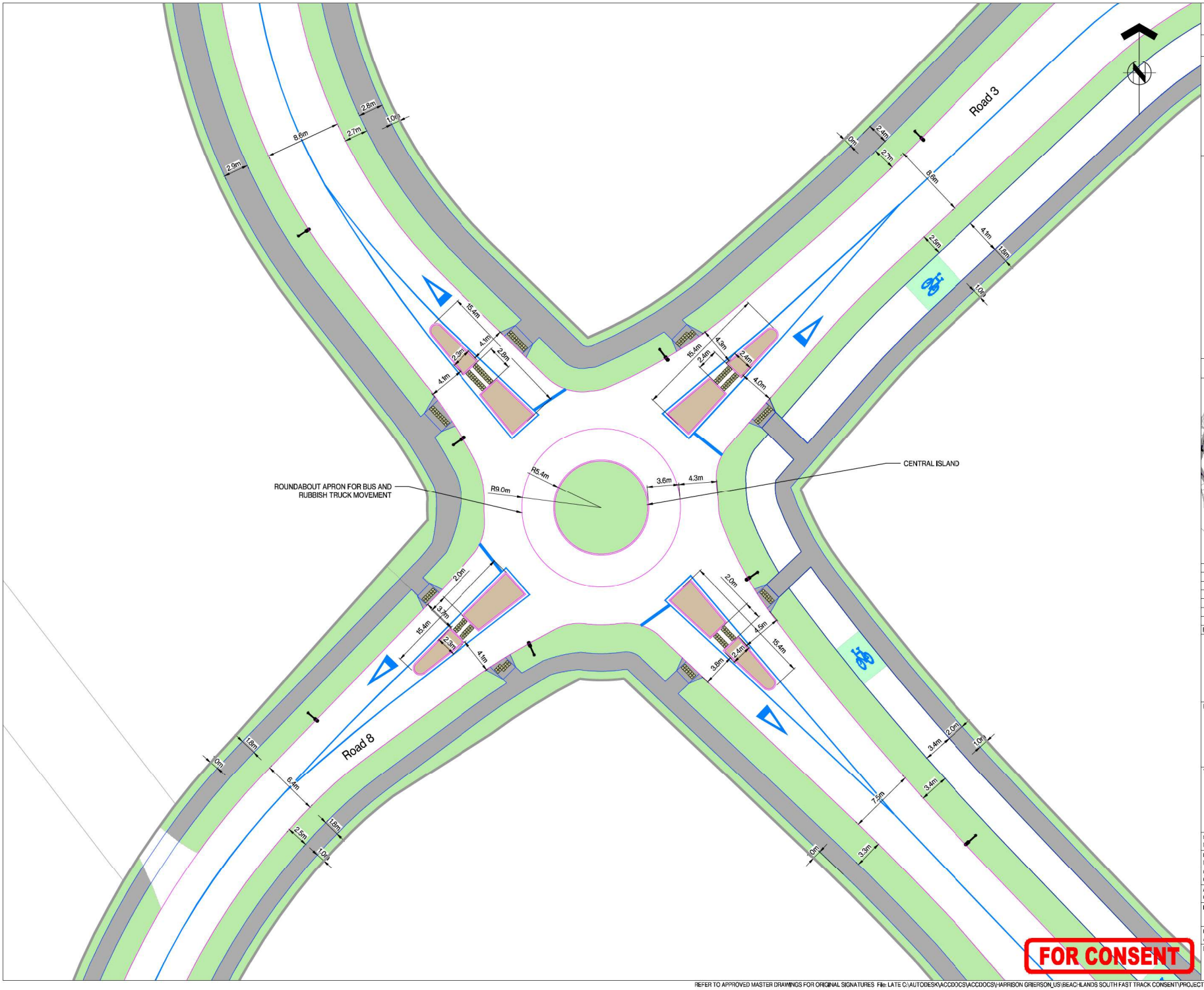

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NOTES:

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2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

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

REF	REVISIONS	BY	DATE
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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

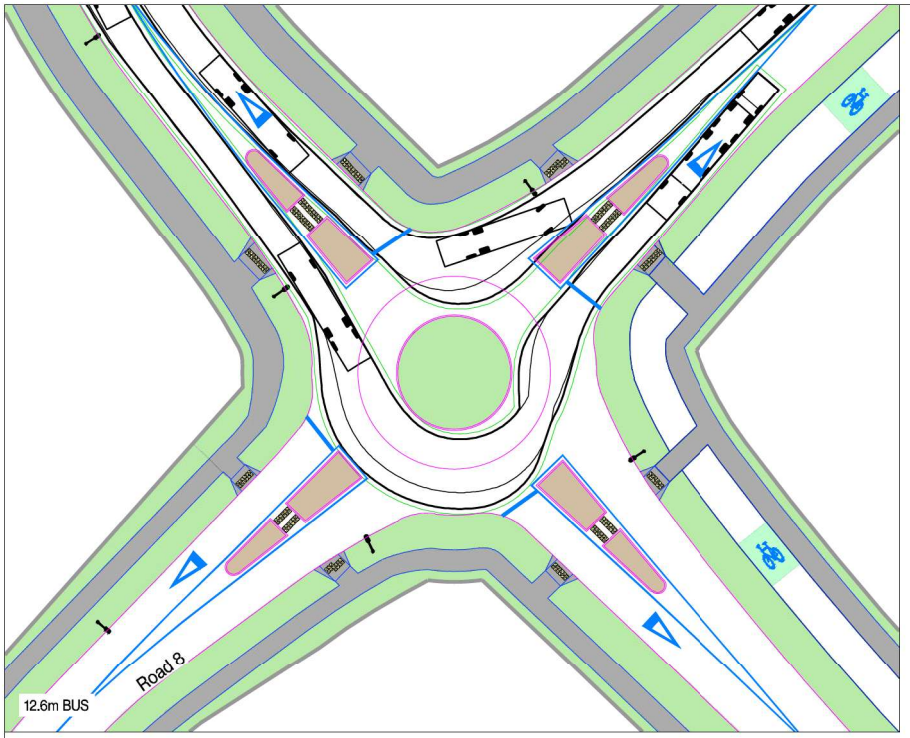
INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 1 OF 6

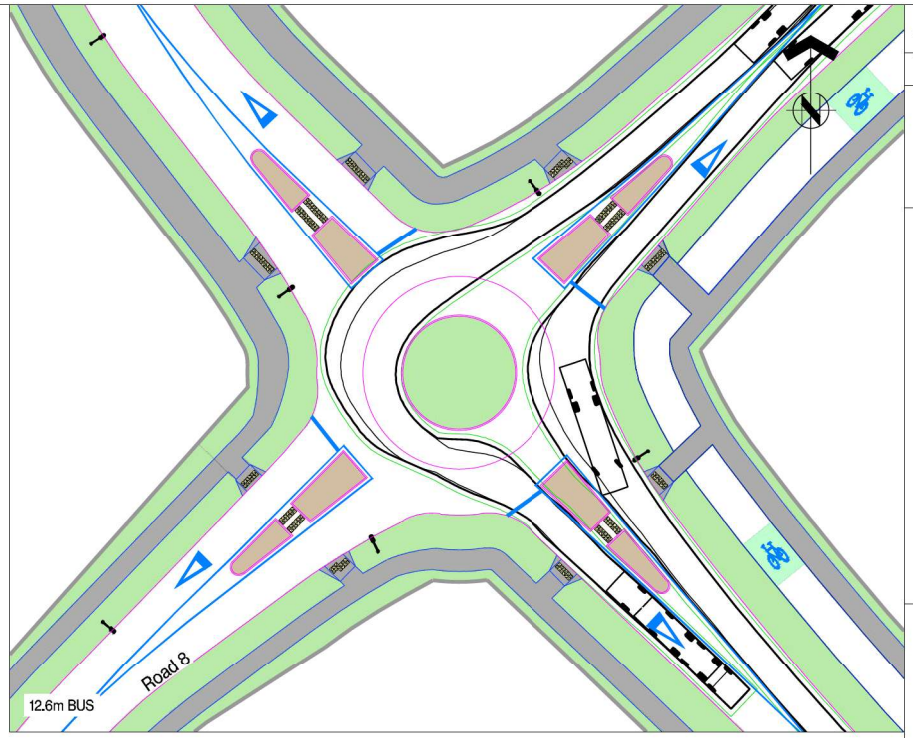
ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
CHECKED: GXB	DATE: 05/2026	SIGNED:	SURVEY BY: HG
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

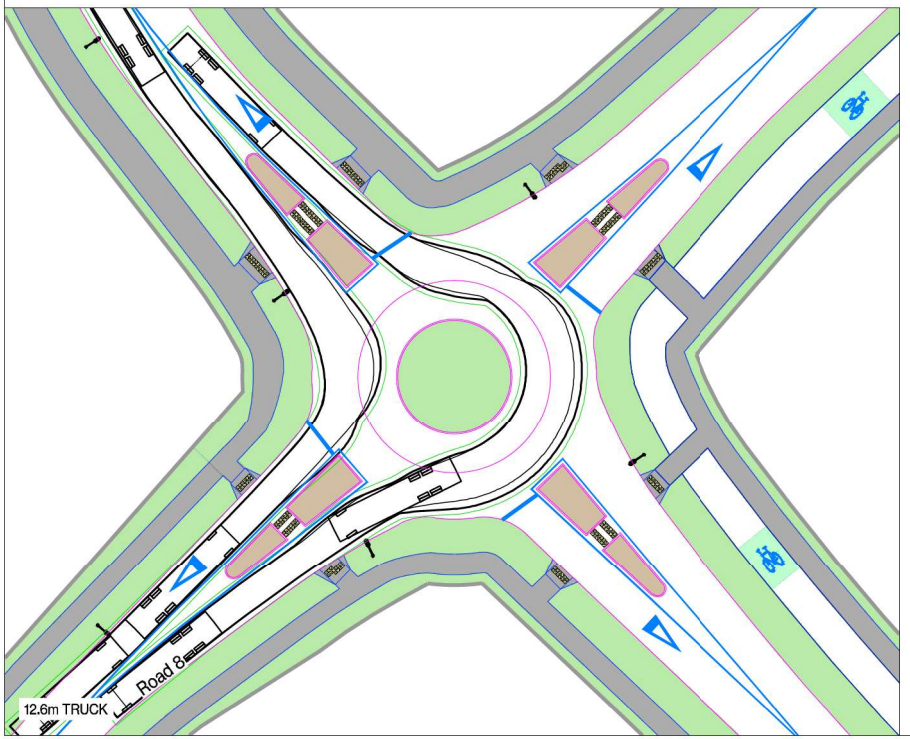
ISSUE STATUS: FAST TRACK CONSENT

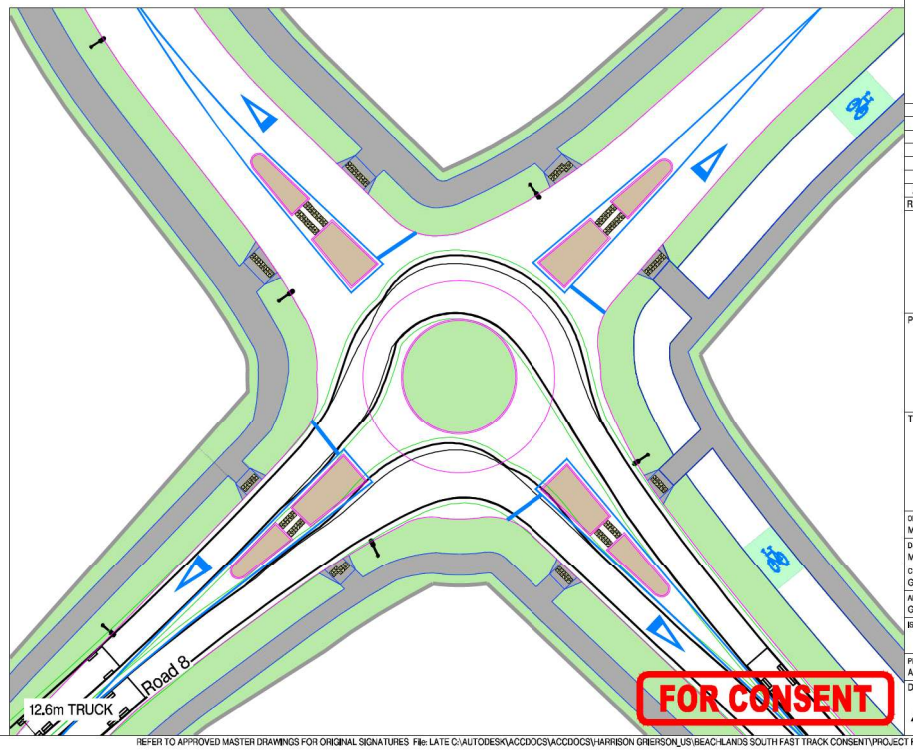
PROJECT No: A2515591.00	SCALES: A1 1:200 A3 1:400	A1
DRAWING No: A2515591.00-3610		REV A

REFER TO APPROVED MASTER DRAWINGS FOR ORIGINAL SIGNATURES File: LATE C:\AUTODESK\ACCDOCS\ACCDOCS\HARRISON GRIERSON_US\BEACHLANDS SOUTH FAST TRACK CONSENT\PROJECT FILES\01_DESIGN\07_TRAFFIC\04_SHEETS\A2515591.00-3600 INTERNAL RBT.DWG









FOR CONSENT

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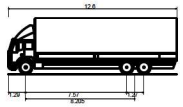
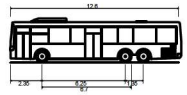
2. ALL VEHICLE TRACKING INCLUDES 500mm CLEARANCE FROM THE BODY ENVELOPE



AT Design Vehicle - 12.6m - Truck- No hitch

Overall Length	12.600m
Overall Width	2.550m
Overall Body Height	4.249m
Min Body Ground Clearance	0.385m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Wheel Angle	49.00°



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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 2 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3611		REV A

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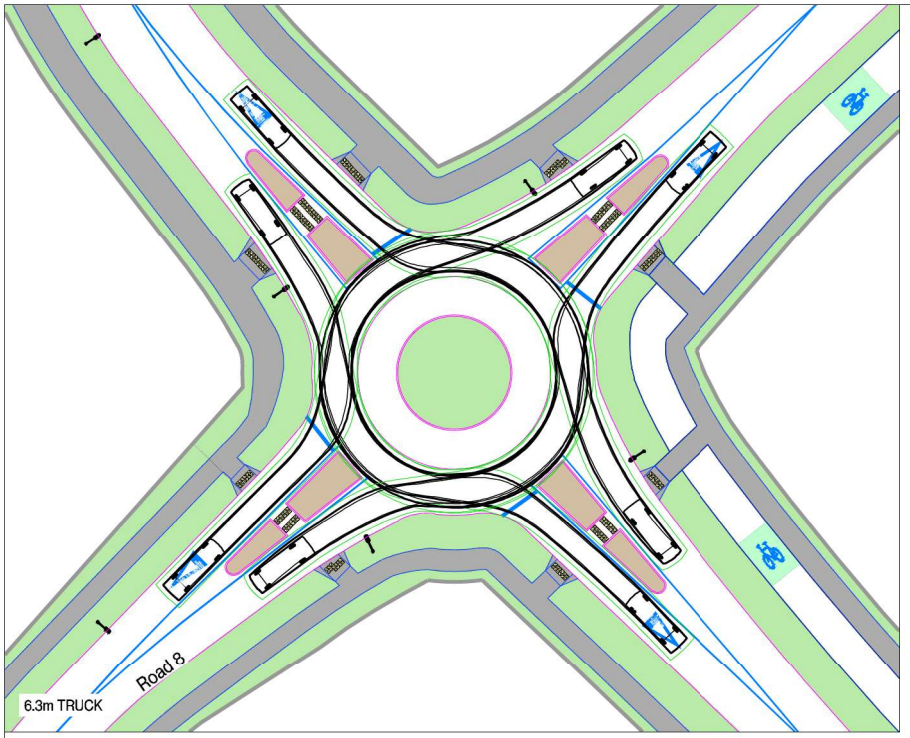

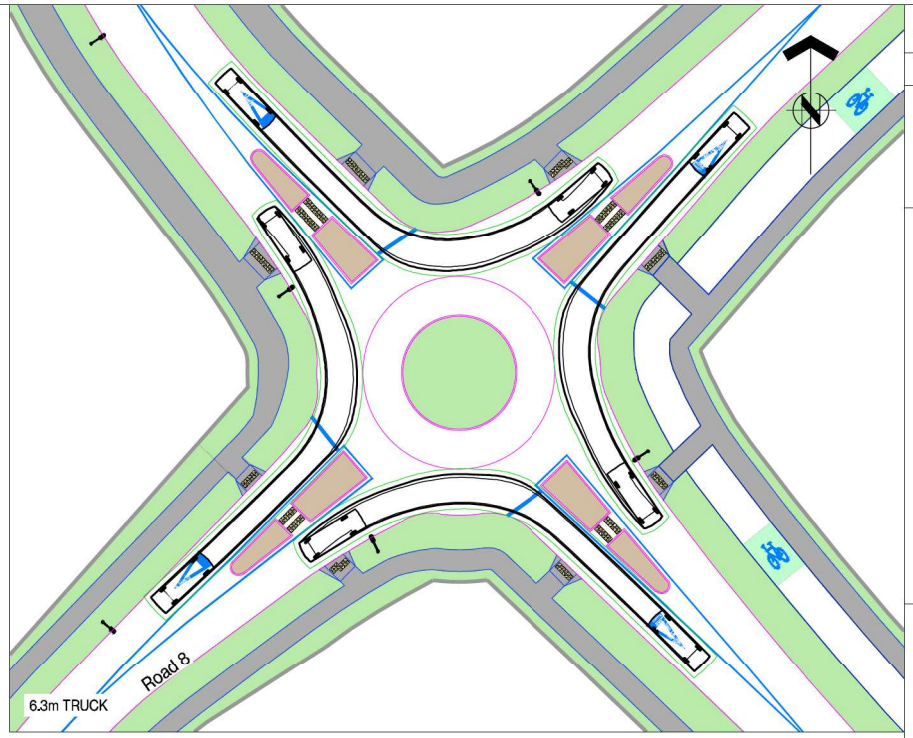

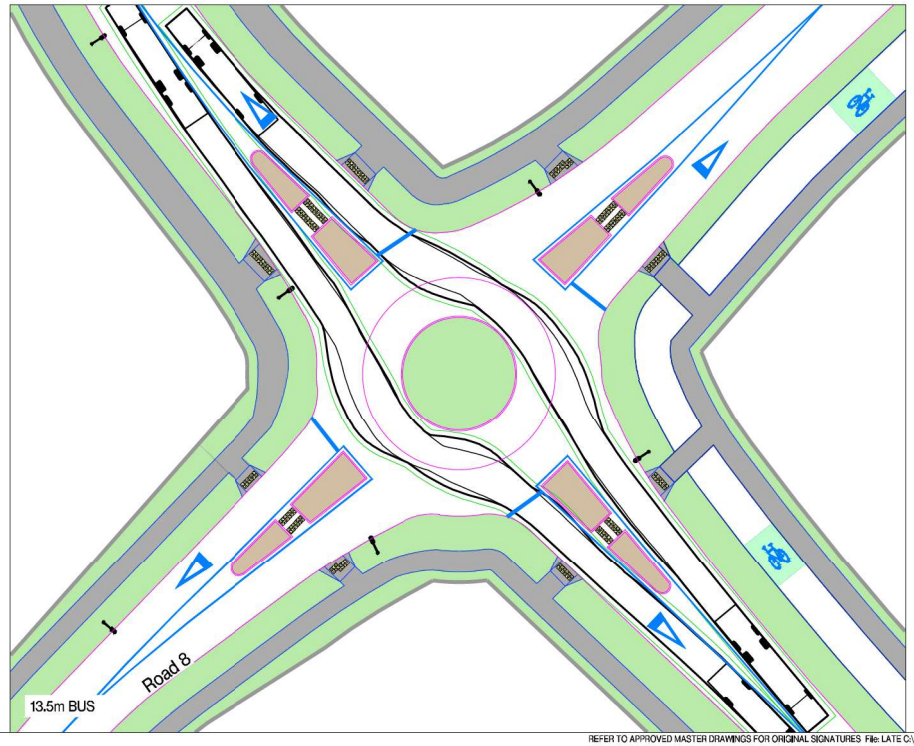

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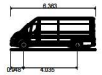
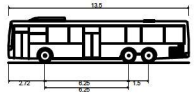


AT Design Vehicle - 6.3m - Delivery Van

Overall Length	6.363m
Overall Width	2.050m
Overall Body Height	2.432m
Min Body Ground Clearance	0.206m
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	0.329m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	47.00°

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 3 OF 6

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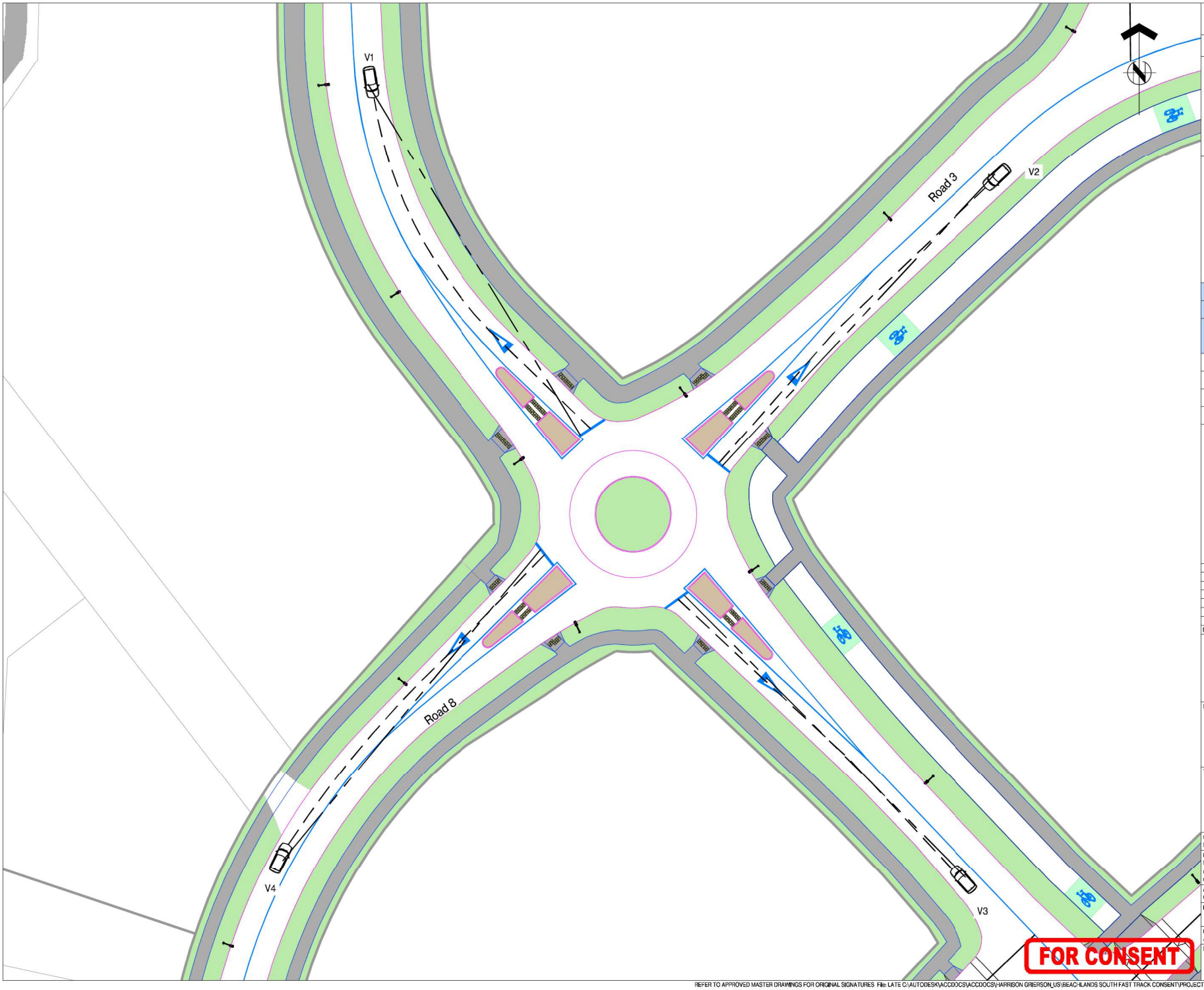
APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

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

FOR CONSENT



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2. VISIBILITY ASSESSMENT SHOWING CRITERION 1 OF AGRD PART 4B

LEGEND

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT			
APPRROACH 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
V3	50	55.1	PASS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 4 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3613		REV A

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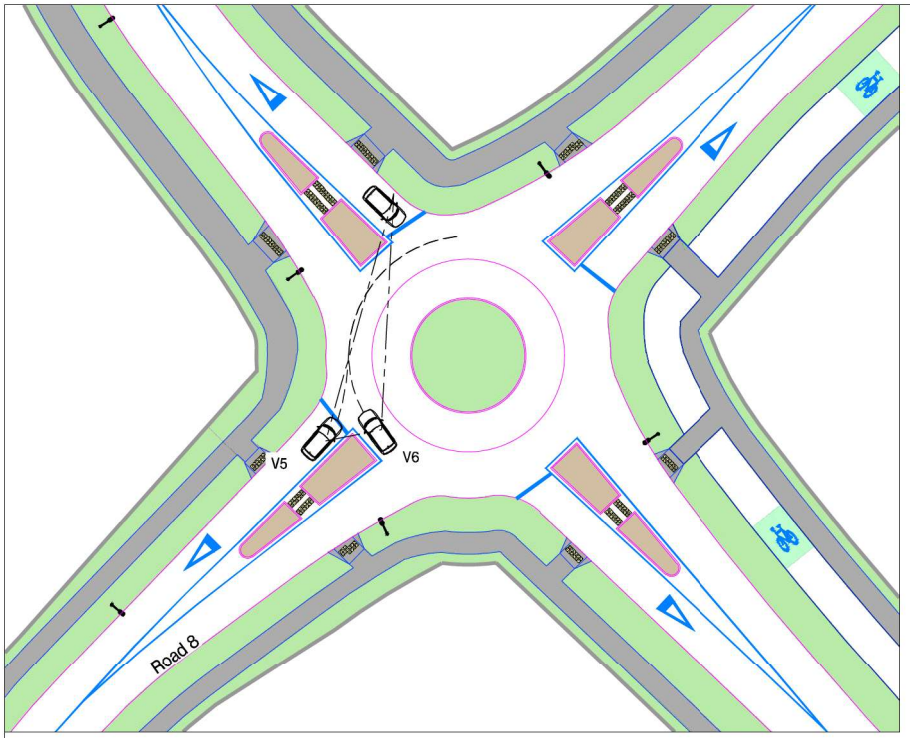

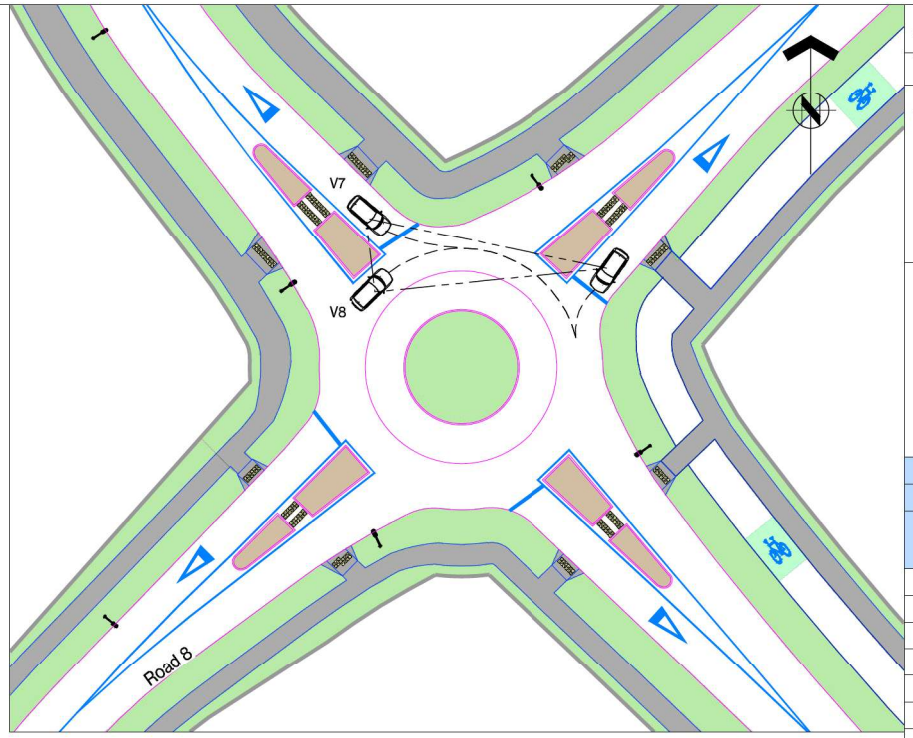

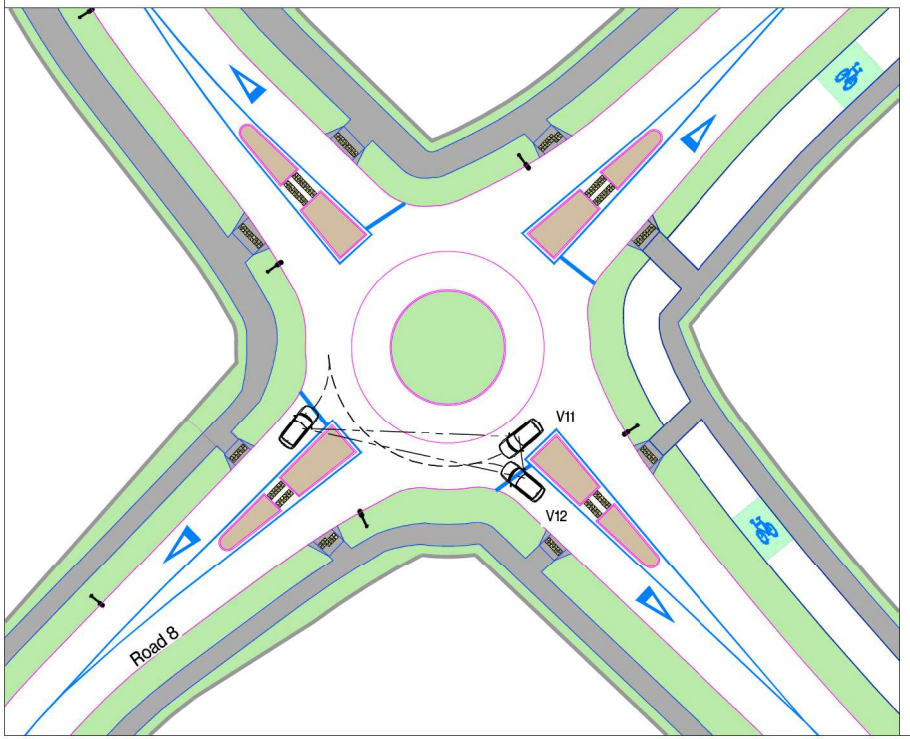

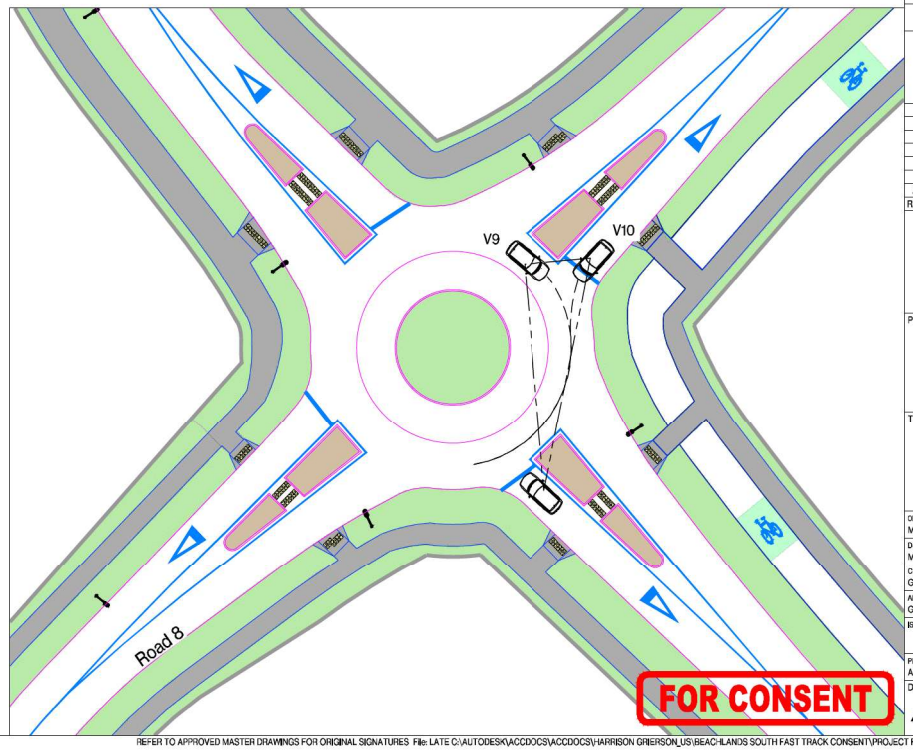

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NOTES:

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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

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
V5	30	42	PASS
V6	30	42	PASS
V7	30	42	PASS
V8	30	42	PASS
V9	30	42	PASS
V10	30	42	PASS
V11	30	42	PASS
V12	30	42	PASS

REF	REVISIONS	BY	DATE
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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 5 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00

SCALES: A1: 1:250m A3 1:500m

A1

DRAWING No: A2515591.00-3614

REV A

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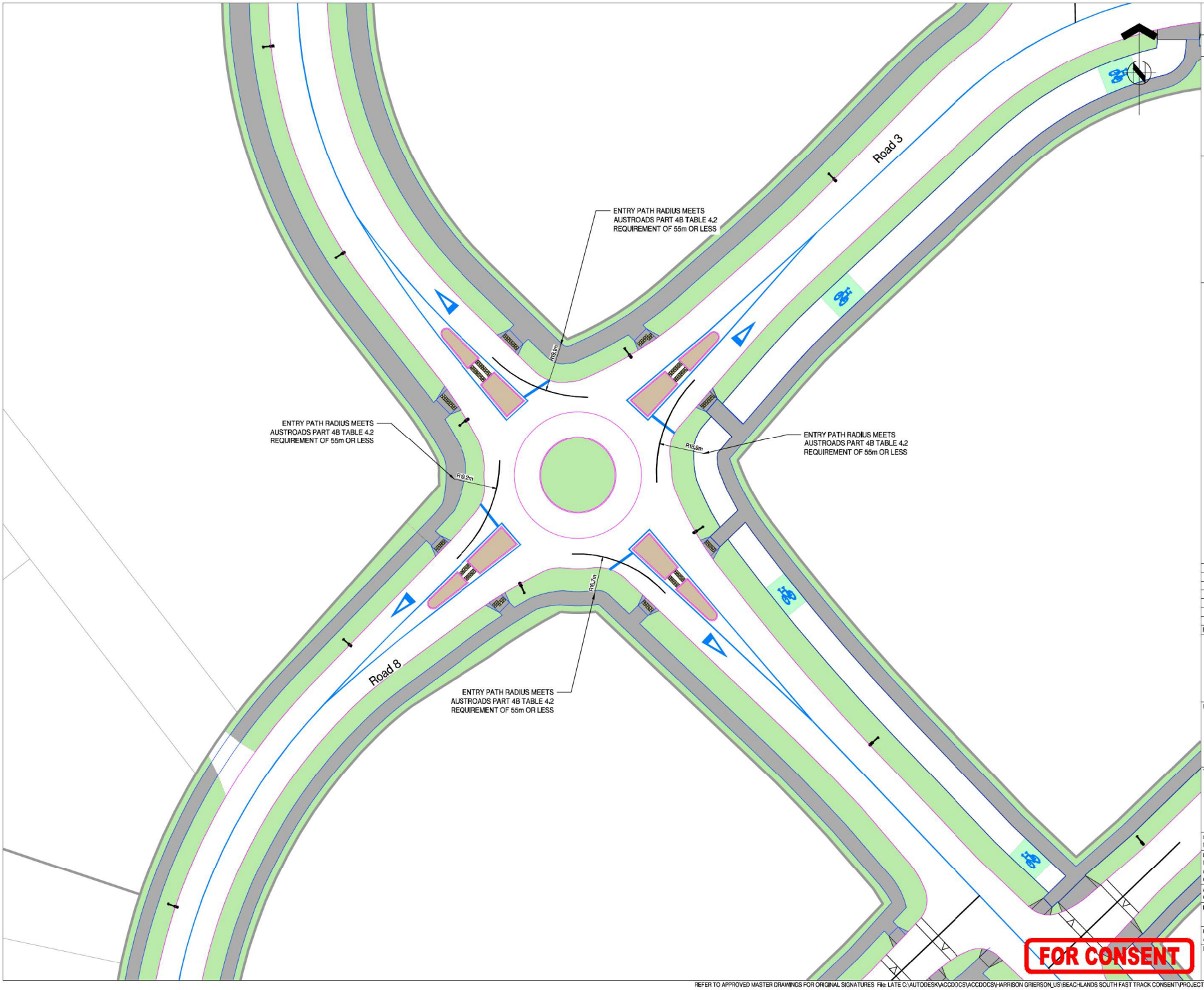

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NOTES:

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2. ENTRY PATH CURVATURE IS CALCULATED BASED ON AUSTROADS GUIDE TO ROAD PART 4B SECTION 4.5.3

LEGEND

MEETS ENTRY PATH RADIUS REQUIREMENTS

FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

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FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 2
SCHEME PLAN
SHEET 6 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
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APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00

SCALES: A1 1:250 A3 1:500

A1

DRAWING No: A2515591.00-3615

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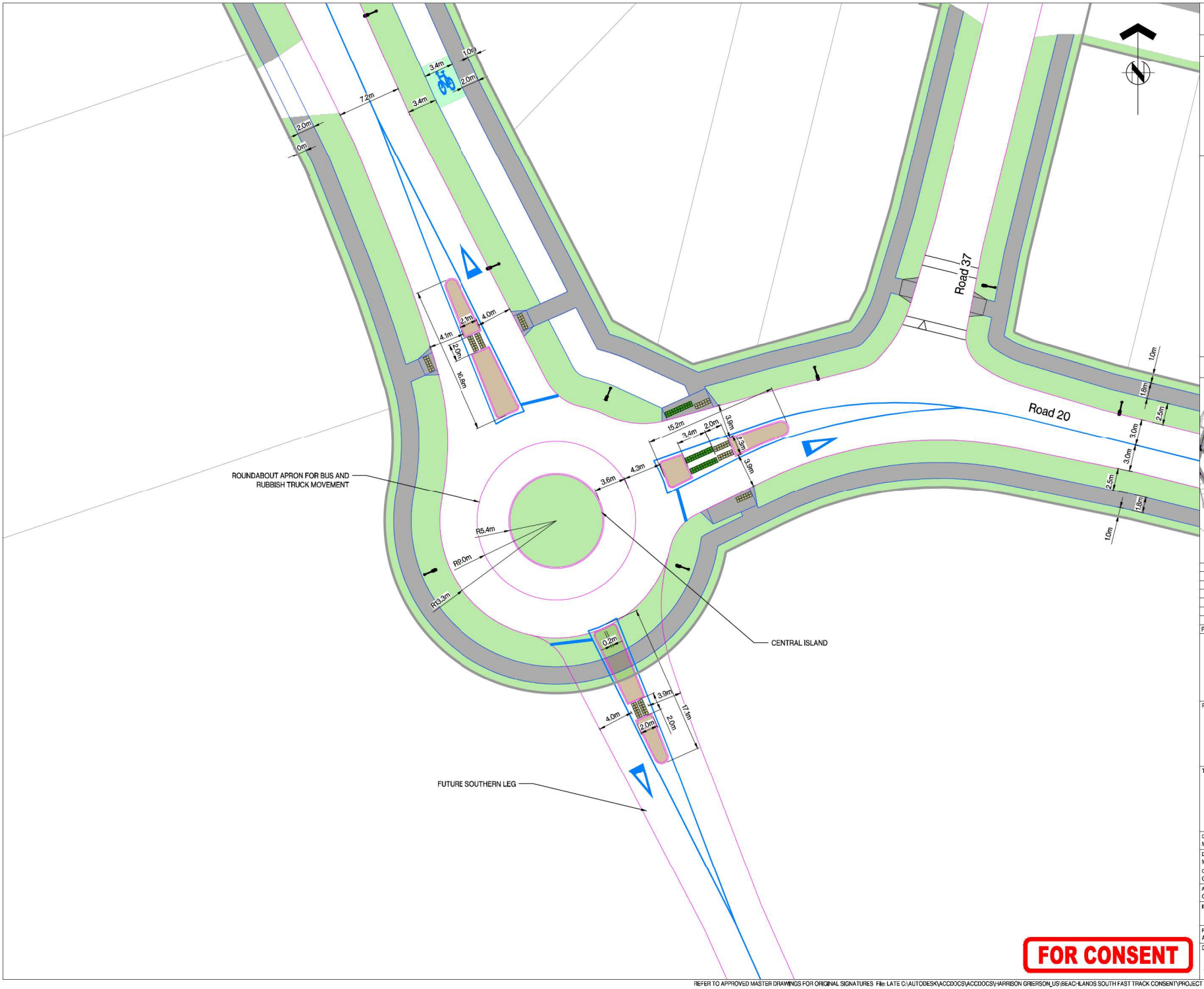

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NOTES:

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2. PROPOSED DESIGN IS BASED ON TOPO SURVEY

LEGEND

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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 1 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
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PROJECT No: A2515591.00	SCALES: A1 1:200 A3 1:400	A1
DRAWING No: A2515591.00-3620		REV A

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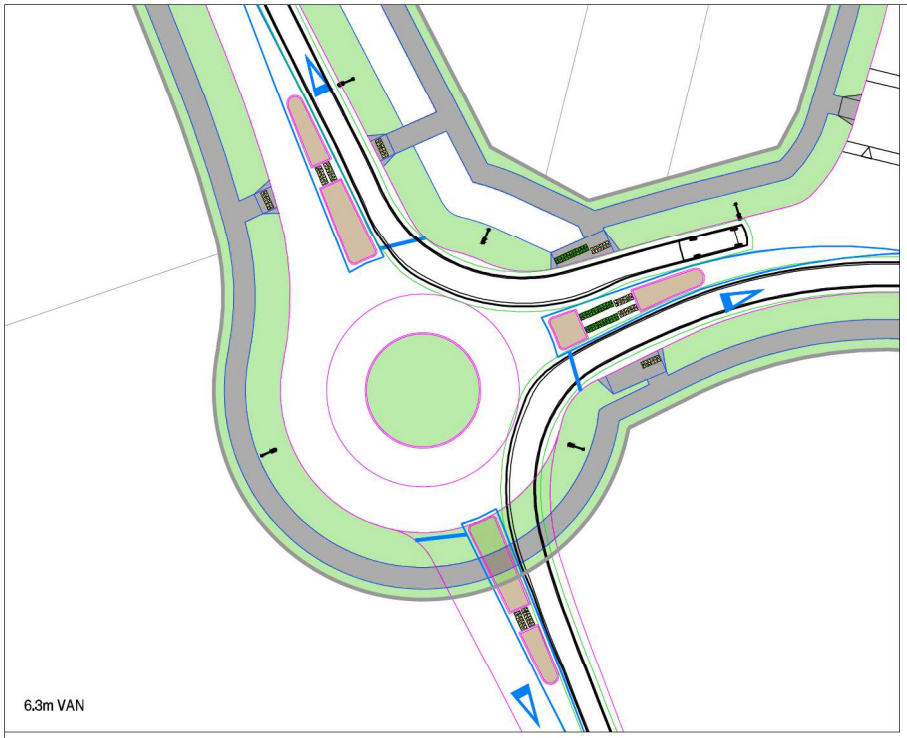
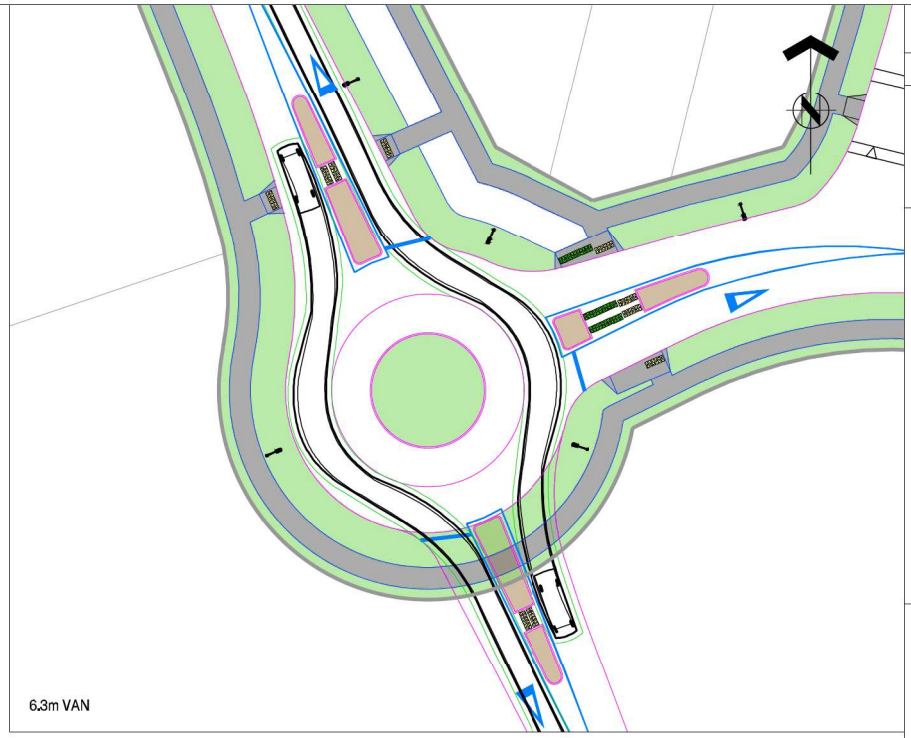
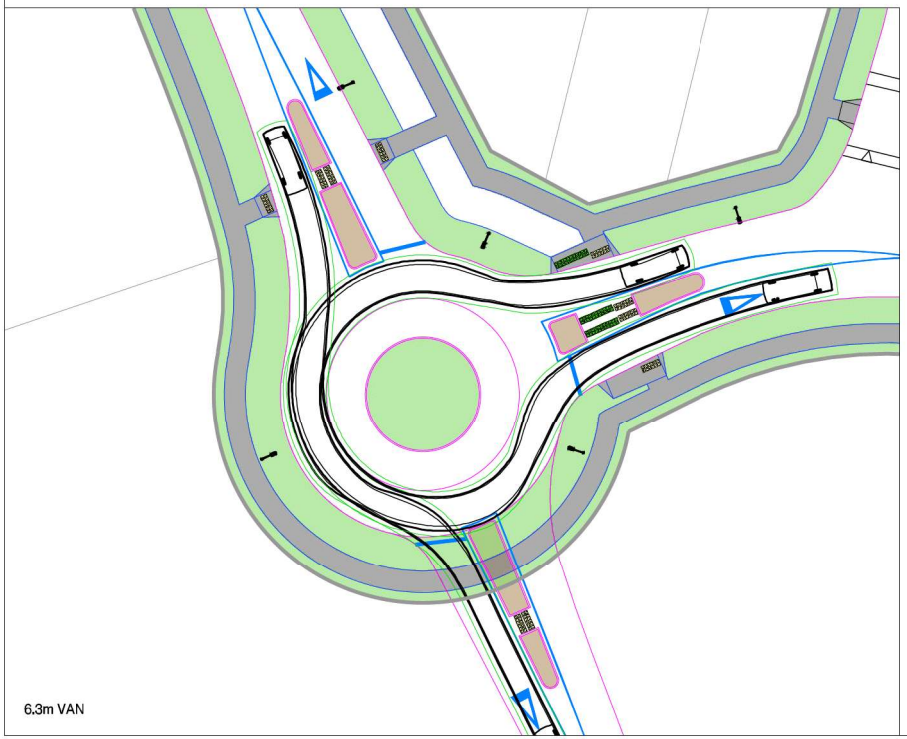


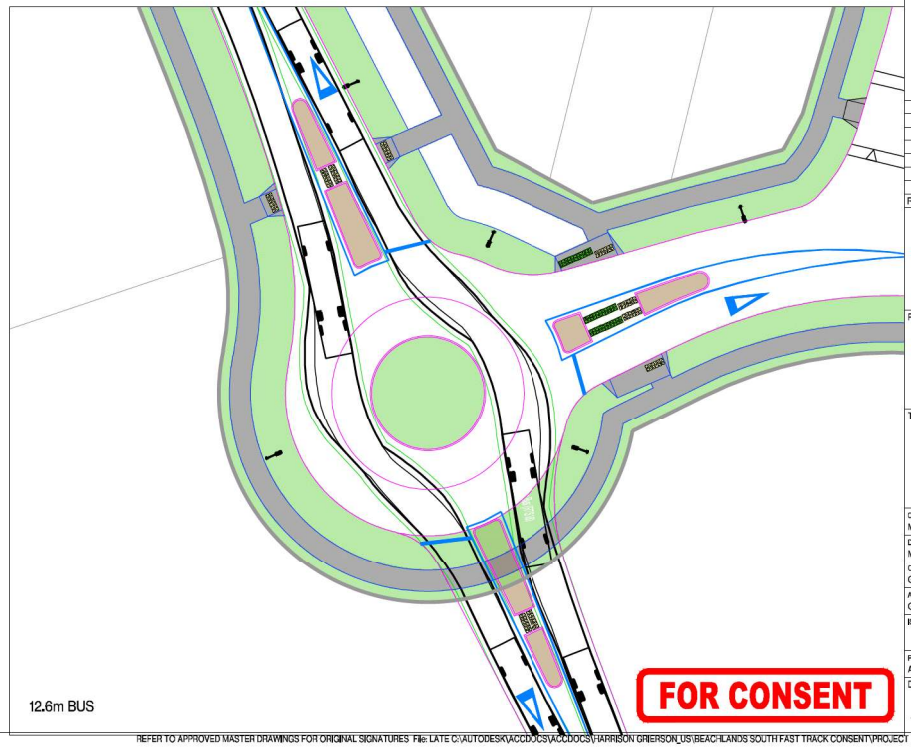
6.3m VAN



6.3m VAN



6.3m VAN



12.6m BUS

FOR CONSENT

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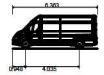

AT Design Vehicle - 6.3m - Delivery Van

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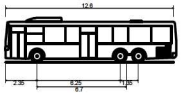
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	7.200m



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

Overall Length	12.600m
Overall Width	2.550m
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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 2 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3621		REV A

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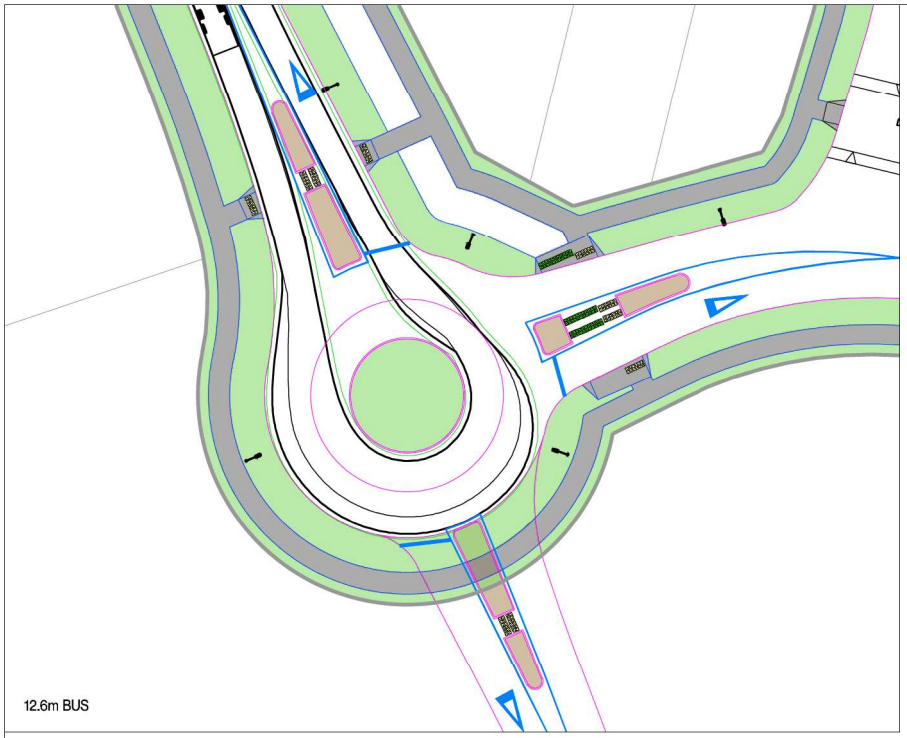
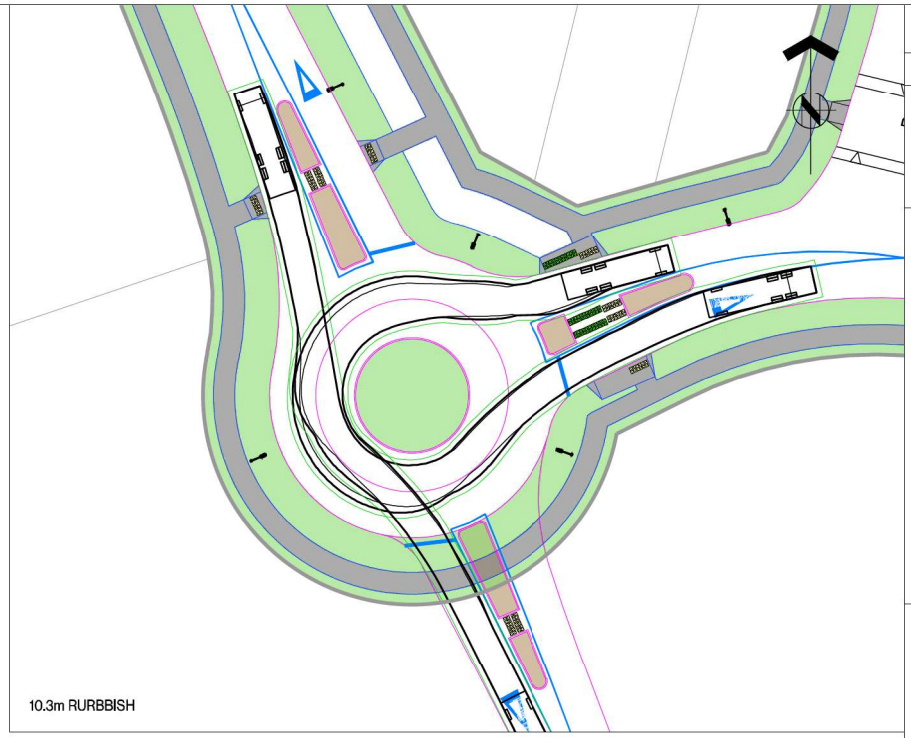
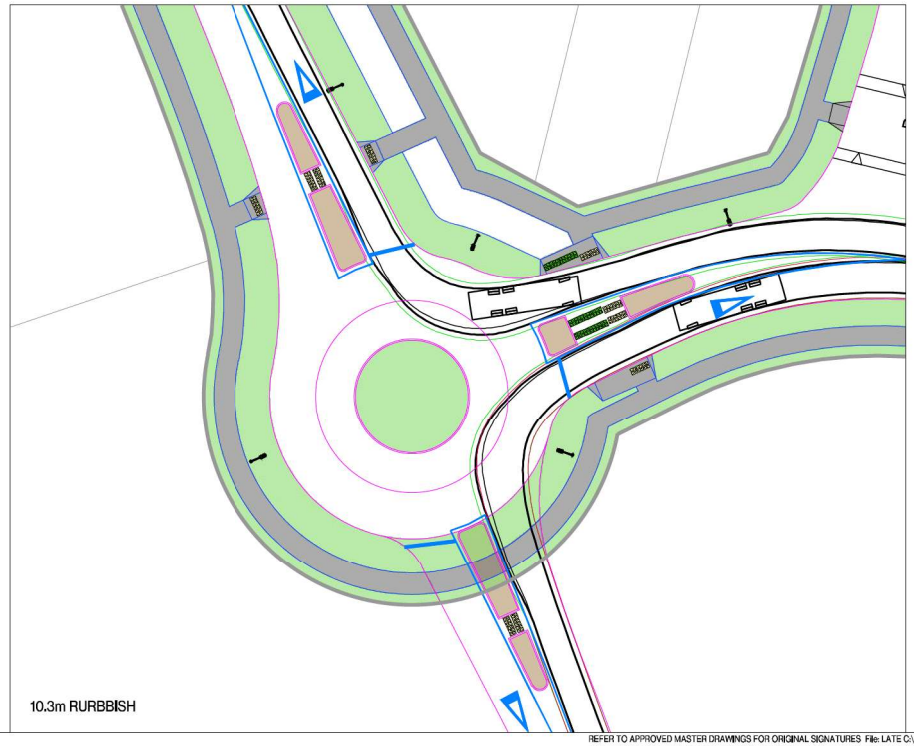


12.6m BUS



10.3m RURBBISH



10.3m RURBBISH

FOR CONSENT

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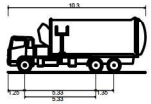
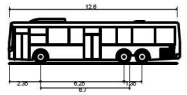
NOTES:

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 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°



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

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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PROJECT:

BEACHLANDS
FAST TRACK CONSENT APPLICATION
BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 3 OF 6

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

ISSUE STATUS: FAST TRACK CONSENT

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

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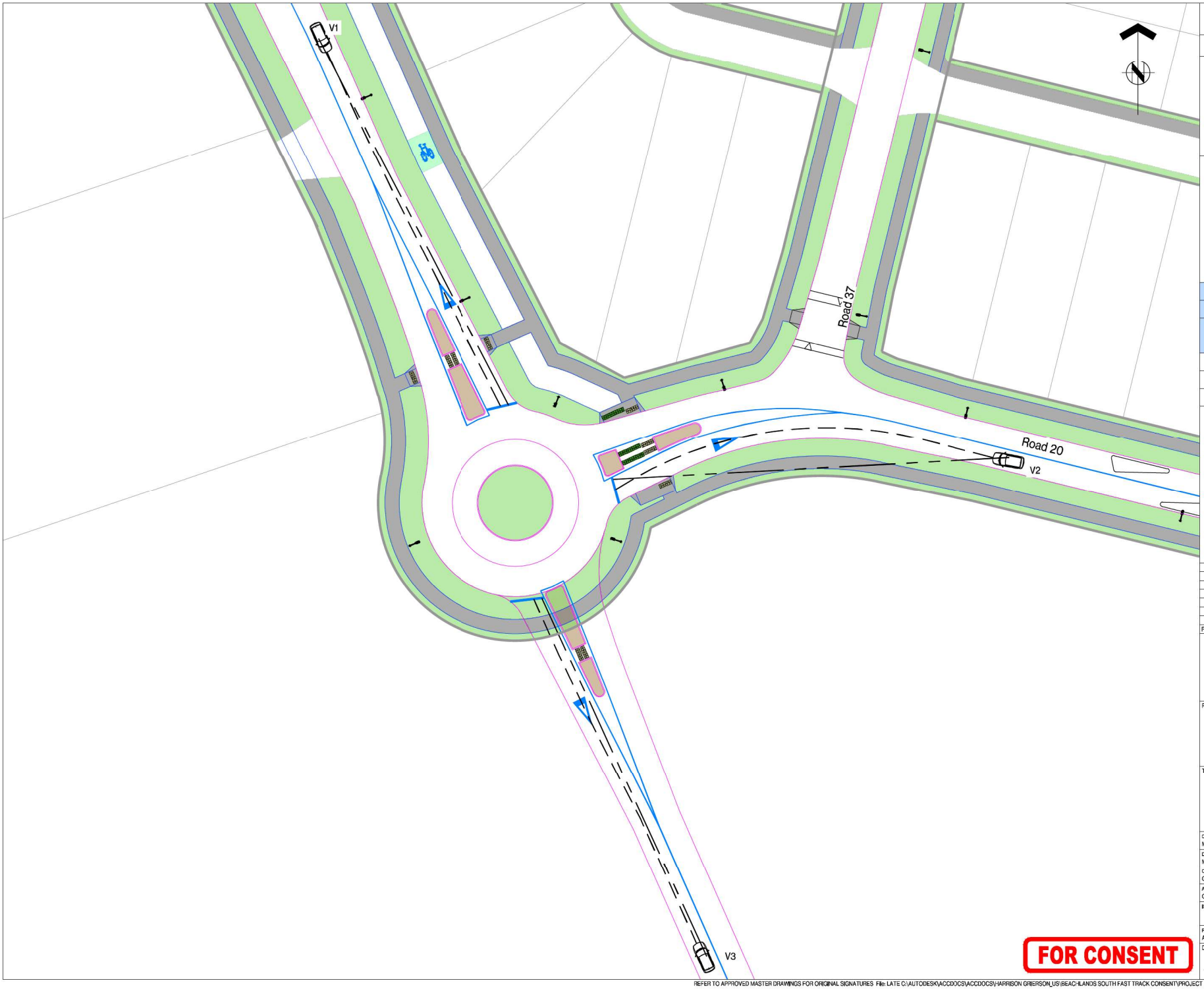

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NOTES:

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

LEGEND

APPROACHING SIGHT DISTANCE

SIGHT LINE

AUSTROAD REQUIREMENT			
APPRROACH 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

REF	REVISIONS	BY	DATE
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TITLE:

INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 4 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
DRAWN: MIP	DATE: 05/2026	SIGNED:	PLOT DATE: 29/05/26
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APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1 1:250 A3 1:500	A1
DRAWING No: A2515591.00-3623		REV A

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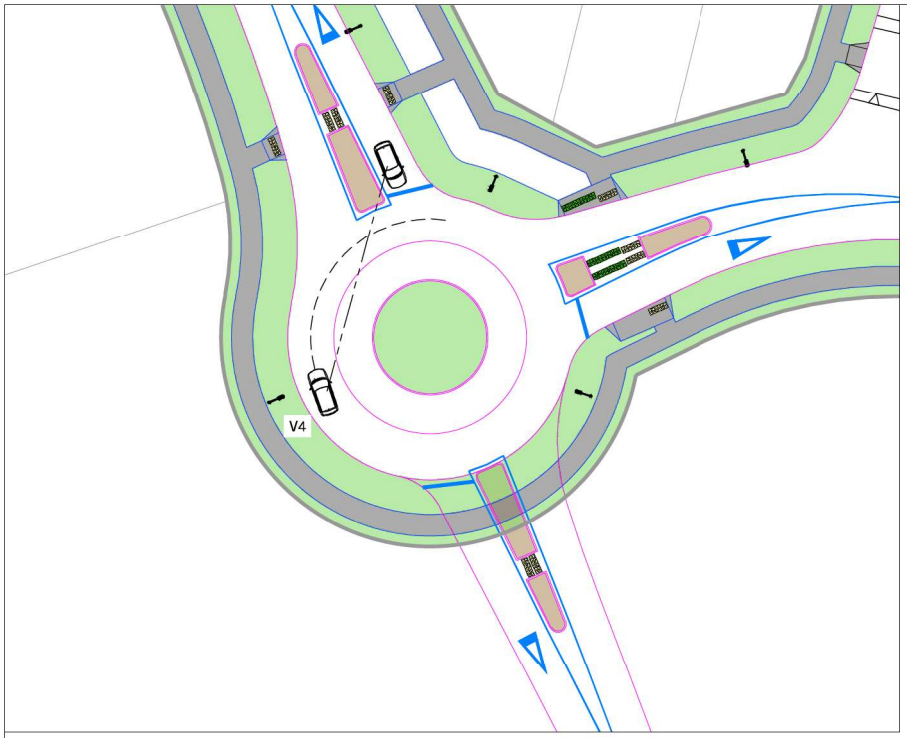

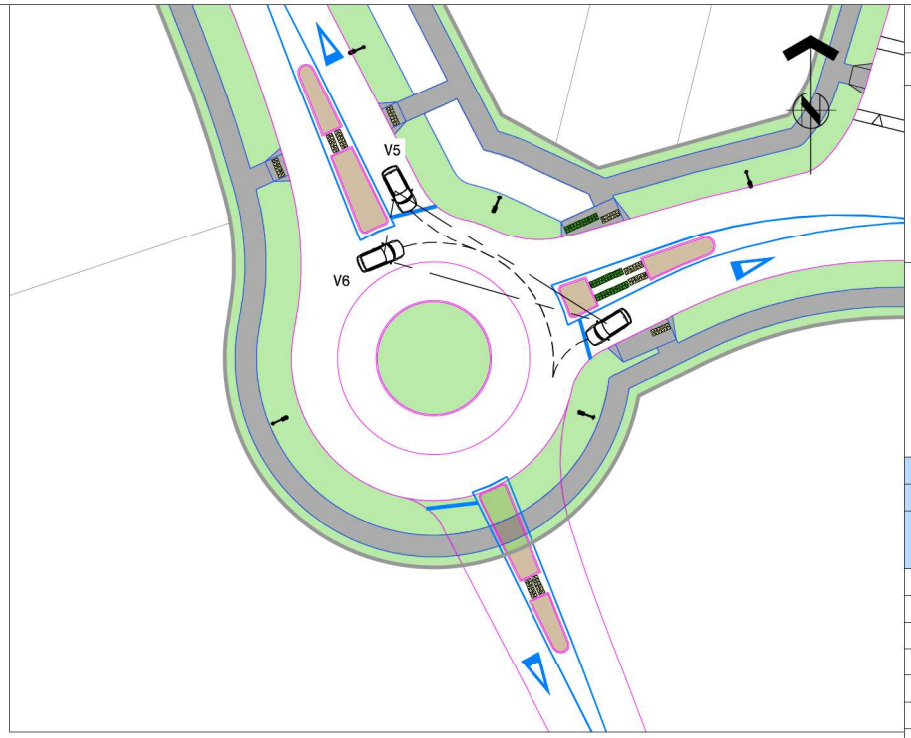

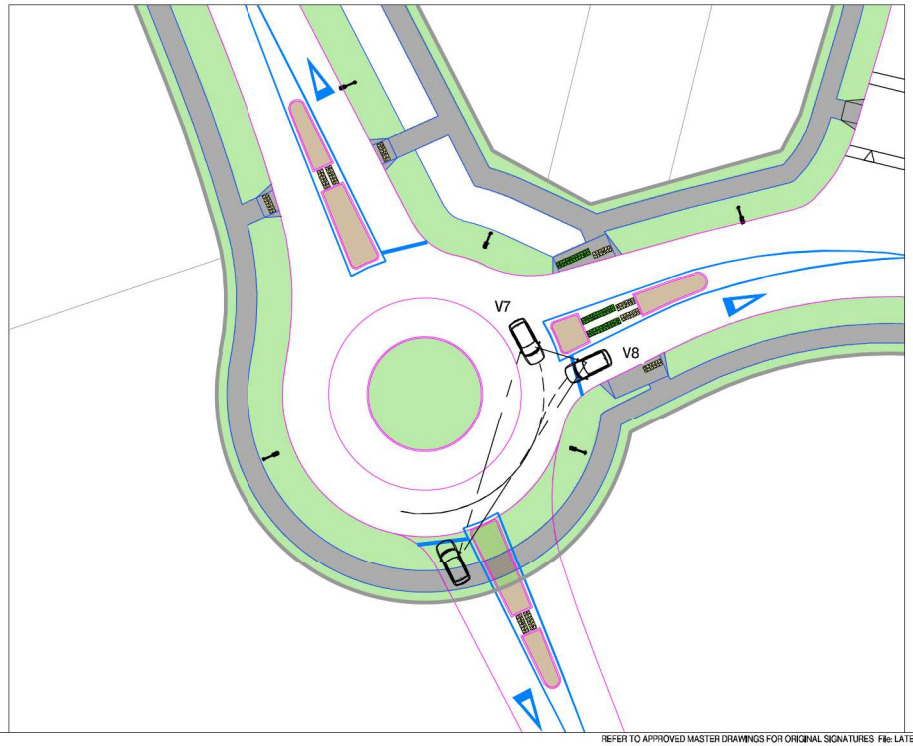

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NOTES:

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

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
V5	30	42	PASS
V6	30	42	PASS
V7	30	42	PASS
V8	30	42	PASS
V9	30	42	PASS
V10	30	42	PASS
V11	30	42	PASS
V12	30	42	PASS

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SHEET 5 OF 6

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APPROVED: GXB	DATE: 05/2026	SIGNED:	SURVEY DATE: 01/2026

ISSUE STATUS: FAST TRACK CONSENT

PROJECT No: A2515591.00	SCALES: A1: 1:250m A3 1:500m	A1
DRAWING No: A2515591.00-3624		REV A

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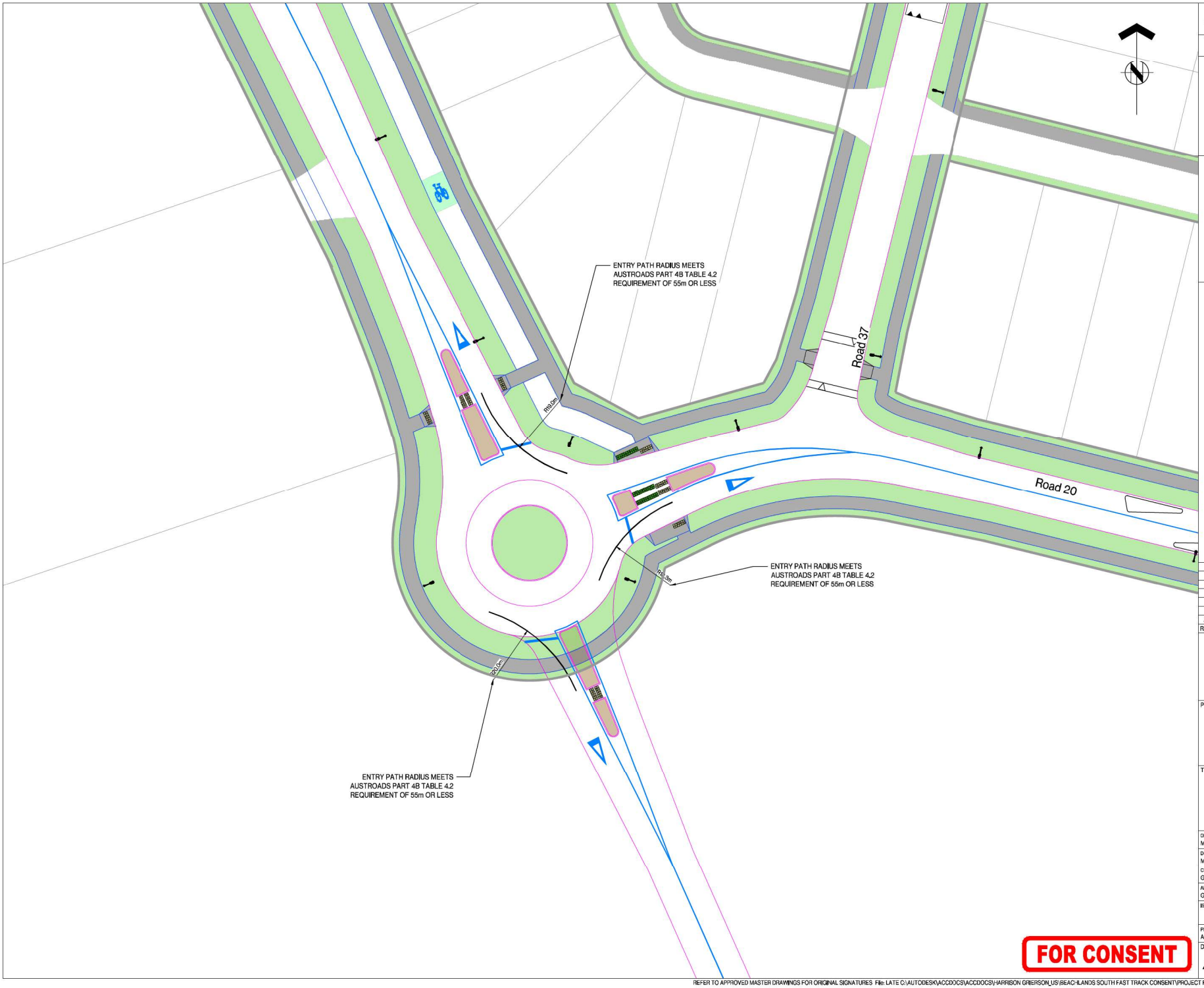

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NOTES:

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

MEETS ENTRY PATH RADIUS REQUIREMENTS

FAILS TO MEET ENTRY PATH RADIUS REQUIREMENTS

REF	REVISIONS	BY	DATE
A	FOR CONSENT	MIP	05/2026

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

INTERNAL ROUNDABOUT 3
SCHEME PLAN
SHEET 6 OF 6

ORIGINATOR: MIP	DATE: 05/2026	SIGNED:	PLOT BY: MIP
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ISSUE STATUS: FAST TRACK CONSENT

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

DRAWING No: A2515591.00-3625

REV A

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