



MILLDALE

Connecting Lifestyles

**MILLDALE
STAGE 14-17
FAST-TRACK
EXTERNAL ROADING
UPGRADE**

**PRELIMINARY DESIGN
DRAWINGS
AUGUST 2026**



MILLDALE - STAGE 14-17 FAST-TRACK EXTERNAL ROADING UPGRADE DRAWING INDEX



DRAWING NUMBER	REV #	DRAWING TITLE
P25-609-05-0000-GE	1	COVER PAGE
P25-609-05-0001-GE	1	INDEX
P25-609-05-2000-RD	1	ARGENT LANE / PINE VALLEY ROUNDABOUT UPGRADE PROPOSED ROADING LAYOUT PLAN
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P25-609-05-2002-RD	1	ARGENT LANE / PINE VALLEY ROUNDABOUT UPGRADE VEHICLE TRACKING (CHECKED VEHICLE)
P25-609-05-2100-RD	1	WILKS ROAD - EAST COAST ROAD INTERSECTION PROPOSED ROADING LAYOUT PLAN - OPTION 1 SIGNALISED INTERSECTION
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P25-609-05-2104-RD	1	WILKS ROAD - EAST COAST ROAD INTERSECTION VEHICLE TRACKING (CHECKED VEHICLE) - SHEET 2 OF 2
P25-609-05-2200-RD	1	WILKS ROAD - DAIRY FLAT HWY INTERSECTION PROPOSED ROADING LAYOUT PLAN - OPTION 1 SIGNALISED INTERSECTION
P25-609-05-2201-RD	1	WILKS ROAD - DAIRY FLAT HWY INTERSECTION VEHICLE TRACKING (DESIGNED VEHICLE) - SHEET 1 OF 2
P25-609-05-2202-RD	1	WILKS ROAD - DAIRY FLAT HWY INTERSECTION VEHICLE TRACKING (DESIGNED VEHICLE) - SHEET 2 OF 2
P25-609-05-2203-RD	1	WILKS ROAD - DAIRY FLAT HWY INTERSECTION VEHICLE TRACKING (CHECKED VEHICLE) - SHEET 1 OF 2
P25-609-05-2204-RD	1	WILKS ROAD - DAIRY FLAT HWY INTERSECTION VEHICLE TRACKING (CHECKED VEHICLE) - SHEET 2 OF 2
P25-609-05-2300-RD	1	SILVERDALE INTERCHANGE NORTHERN ON-RAMP BYPASS AND SOUTHERN OFF-RAMP DOUBLE LANE EXTENSION LAYOUT
P25-609-05-2301-RD	1	SILVERDALE INTERCHANGE VEHICLE TRACKING (DESIGNED VEHICLE)
P25-609-05-2302-RD	1	SILVERDALE INTERCHANGE VEHICLE TRACKING (CHECKED VEHICLE)

LEGEND

- EXISTING LOT BOUNDARY
- EXISTING HIGH VOLTAGE POWER
- EXISTING LOW VOLTAGE POWER
- EXISTING FIBRE
- EXISTING POWER CONDUIT
- EXISTING STREET LIGHT CABLE
- EXISTING STORMWATER PIPE
- EXISTING WASTEWATER TRANSMISSION
- EXISTING WATER TRANSMISSION
- PROPOSED DESIGN STRINGS FROM MOTT MACDONALD
- PROPOSED LINE
- PROPOSED ROAD CENTER LINE
- PROPOSED ROAD BOUNDARY
- EXISTING ROAD FEATURE LINE



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	PRELIMINARY DESIGN	AM	JUNE 2026	DESIGNED	AM
				DRAWN	AM
				CHECKED	YF
				APPROVED	TR



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
[WOODS.CO.NZ](https://woods.co.nz)



ARGENT LANE / PINE VALLEY ROUNDABOUT UPGRADE
PROPOSED ROADING LAYOUT PLAN



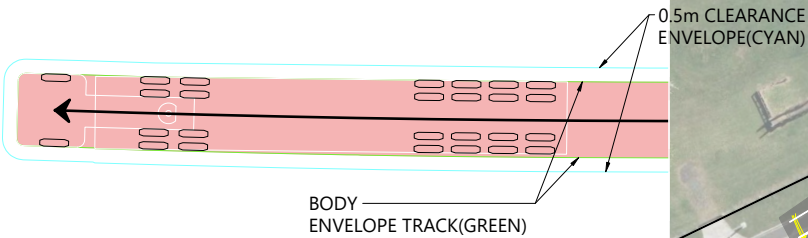
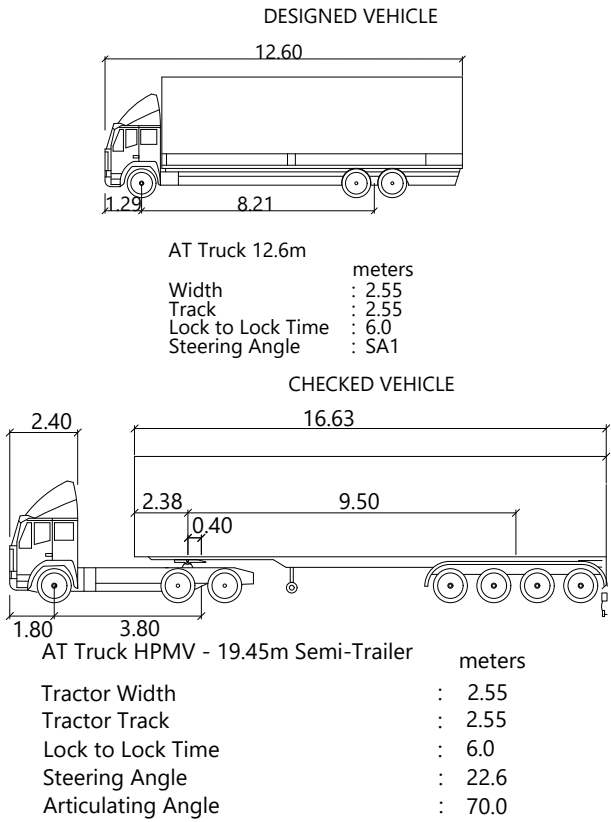
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SCALE	1:1000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2000-RD	

LEGEND

EXISTING LOT BOUNDARY	
PROPOSED DESIGN STRINGS FROM MOTT MACDONALD	
PROPOSED LINE	
PROPOSED ROAD CENTER LINE	
PROPOSED ROAD BOUNDARY	
EXISTING ROAD FEATURE LINE	



VEHICLE TRACKING LEGEND



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	PRELIMINARY DESIGN	AM	JUNE 2026	DESIGNED	AM
				DRAWN	AM
				CHECKED	YF
				APPROVED	TR



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



ARGENT LANE / PINE VALLEY ROUNDABOUT UPGRADE
VEHICLE TRACKING (DESIGNED VEHICLE)



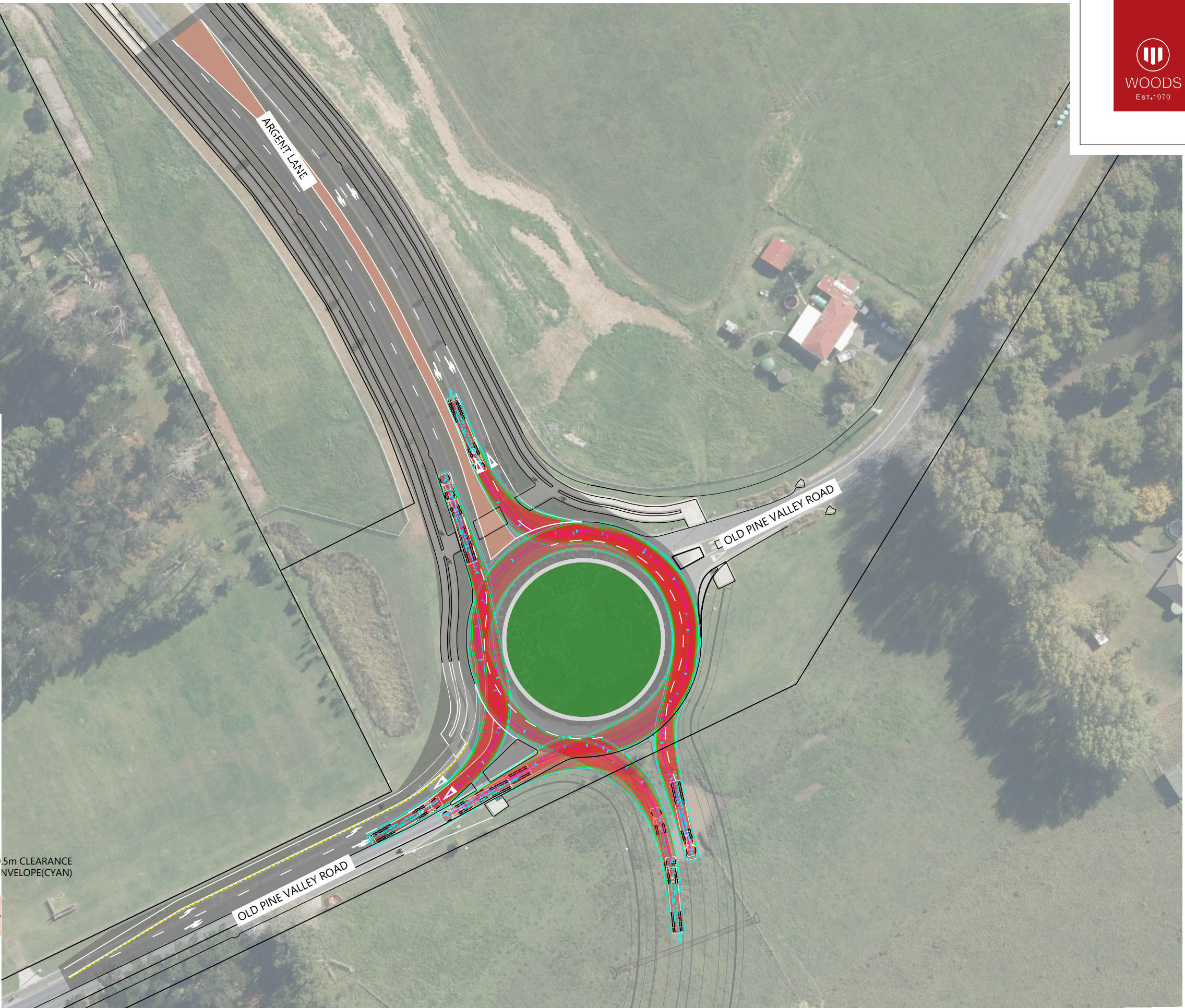
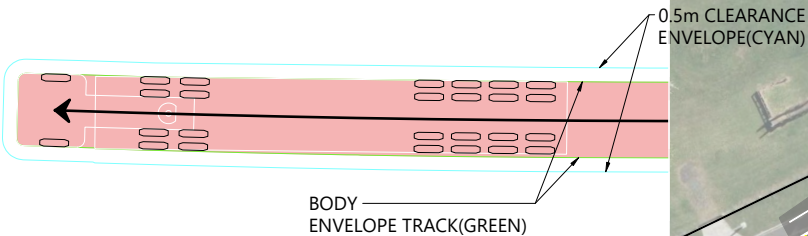
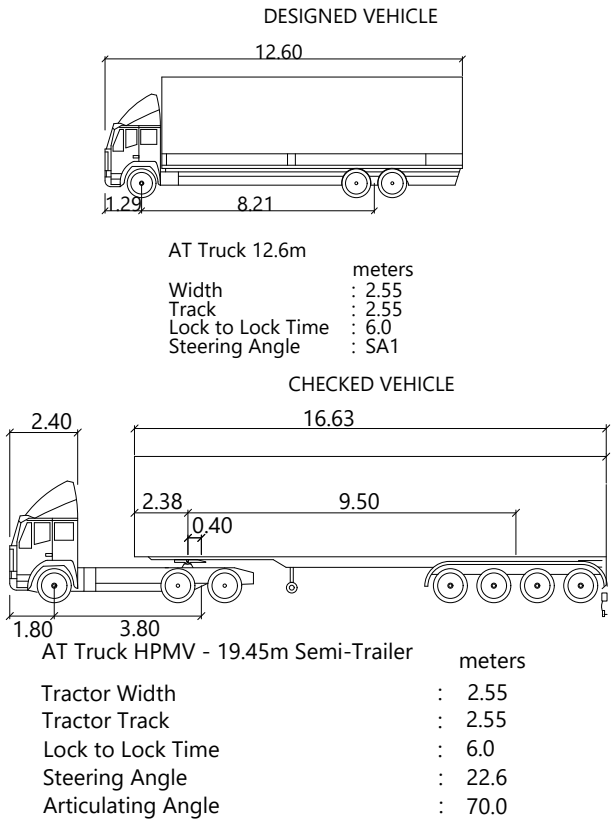
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SCALE	1:1000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2001-RD	

LEGEND

EXISTING LOT BOUNDARY	
PROPOSED DESIGN STRINGS FROM MOTT MACDONALD	
PROPOSED LINE	
PROPOSED ROAD CENTER LINE	
PROPOSED ROAD BOUNDARY	
EXISTING ROAD FEATURE LINE	



VEHICLE TRACKING LEGEND



REVISION DETAILS		INT	DATE	SURVEYED	WOODS
1	PRELIMINARY DESIGN	AM	JUNE 2026	DESIGNED	AM
				DRAWN	AM
				CHECKED	YF
				APPROVED	TR



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ



ARGENT LANE / PINE VALLEY ROUNDABOUT UPGRADE
VEHICLE TRACKING (CHECKED VEHICLE)



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:1000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2002-RD	

NOTES

1. THIS DRAWING HAS BEEN PREPARED FOR PRELIMINARY DESIGN PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.
2. EXISTING SITE INFORMATION SHOWN ON THIS DRAWING HAS BEEN OBTAINED FROM AUCKLAND COUNCIL GEOMAPS AND B4UDIG.
3. UTILITY INFORMATION IS APPROXIMATELY ONLY AND SUBJECT TO CONFIRMATION WITH THE RELEVANT SERVICE AUTHORITIES.
4. PROPOSED LAYOUT, GEOMETRY, LEVELS, AND TIE-IN ARRANGEMENTS ARE PRELIMINARY ONLY AND SUBJECT TO REVISION FOLLOWING SURVEY, SERVICE INVESTIGATION, AND STAKEHOLDER/AUTHORITY APPROVAL.

LEGEND

EXISTING PROPERTY & CARRIAGWAY BOUNDARY FROM GIS

PROPOSED ROAD MARKINGS

EX TRANSMISSION WATERMAIN (INDICATIVE ONLY)

EX STORMWATER PIPE/CONN (INDICATIVE ONLY)

EX FIBRE (INDICATIVE ONLY)

EX UNDERGROUND POWER LINE (INDICATIVE ONLY)

PROPOSED TRAFFIC ISLAND

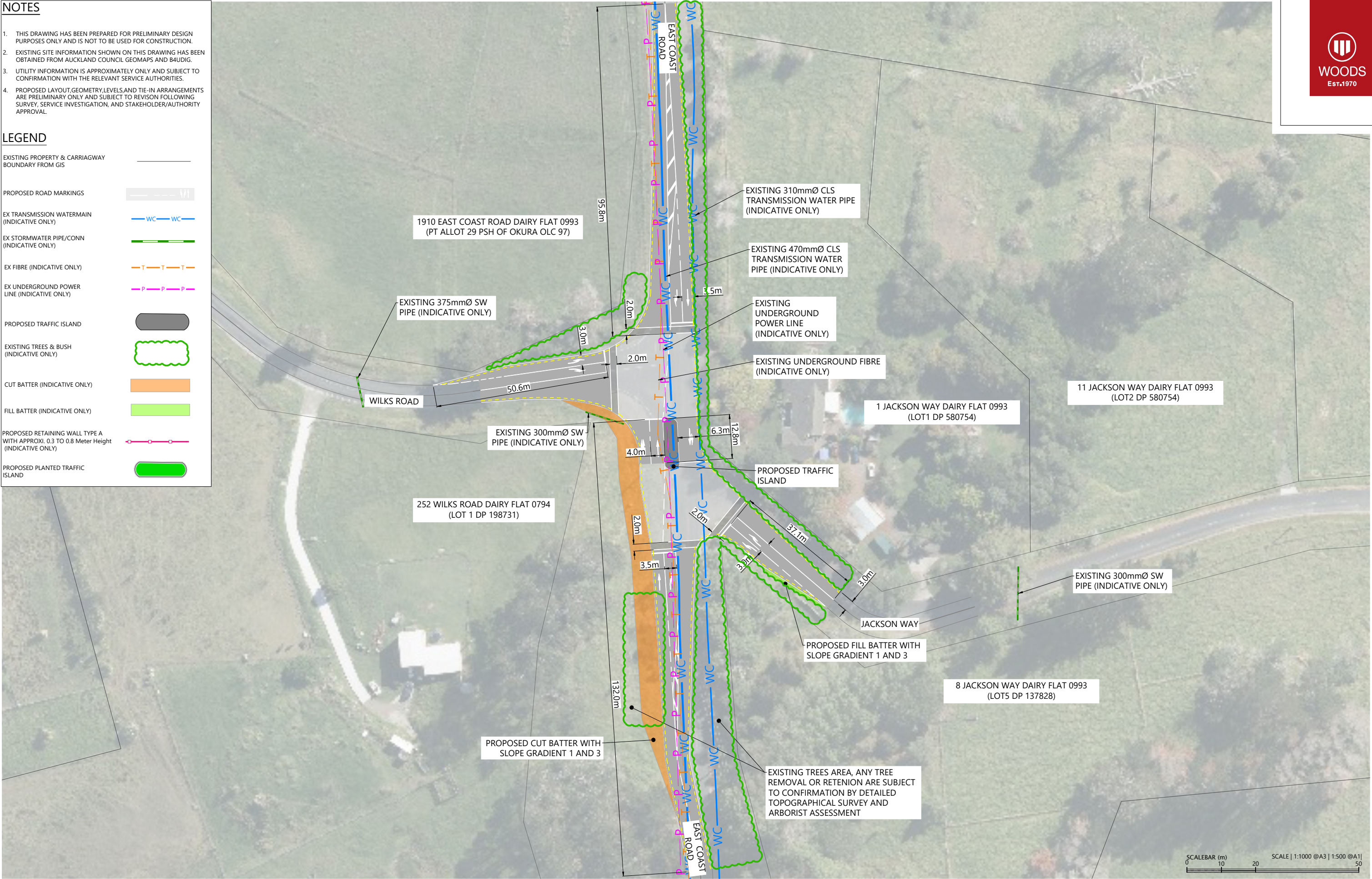
EXISTING TREES & BUSH (INDICATIVE ONLY)

CUT BATTER (INDICATIVE ONLY)

FILL BATTER (INDICATIVE ONLY)

PROPOSED RETAINING WALL TYPE A WITH APPROX. 0.3 TO 0.8 Meter Height (INDICATIVE ONLY)

PROPOSED PLANTED TRAFFIC ISLAND



REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / EAST COAST RD MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	06/05/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	



WILKS ROAD - EAST COAST ROAD INTERSECTION
PROPOSED ROADING LAYOUT PLAN - OPTION 1 SIGNALISED INTERSECTION



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:1000 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2100-RD	



NOTES

1. THIS DRAWING HAS BEEN PREPARED FOR PRELIMINARY DESIGN PURPOSES ONLY AND IS NOT TO BE USED FOR CONSTRUCTION.
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LEGEND

EXISTING PROPERTY & CARRIAGWAY BOUNDARY FROM GIS

PROPOSED ROAD MARKINGS

EX TRANSMISSION WATERMAIN (INDICATIVE ONLY)
WC

EX STORMWATER PIPE/CONN (INDICATIVE ONLY)

EX FIBRE (INDICATIVE ONLY)
T

EX UNDERGROUND POWER LINE (INDICATIVE ONLY)
P

PROPOSED TRAFFIC ISLAND

EXISTING TREES & BUSH (INDICATIVE ONLY)

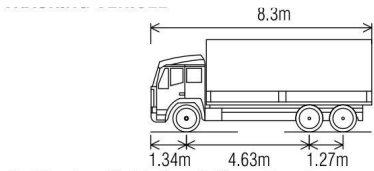
CUT BATTER (INDICATIVE ONLY)

FILL BATTER (INDICATIVE ONLY)

PROPOSED RETAINING WALL TYPE A WITH APPROX. 0.3 TO 0.8 Meter Height (INDICATIVE ONLY)

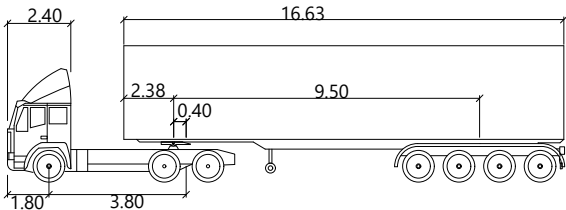
PROPOSED PLANTED TRAFFIC ISLAND

DESIGNED VEHICLE



AT Design Vehicle - 8.3m - Truck

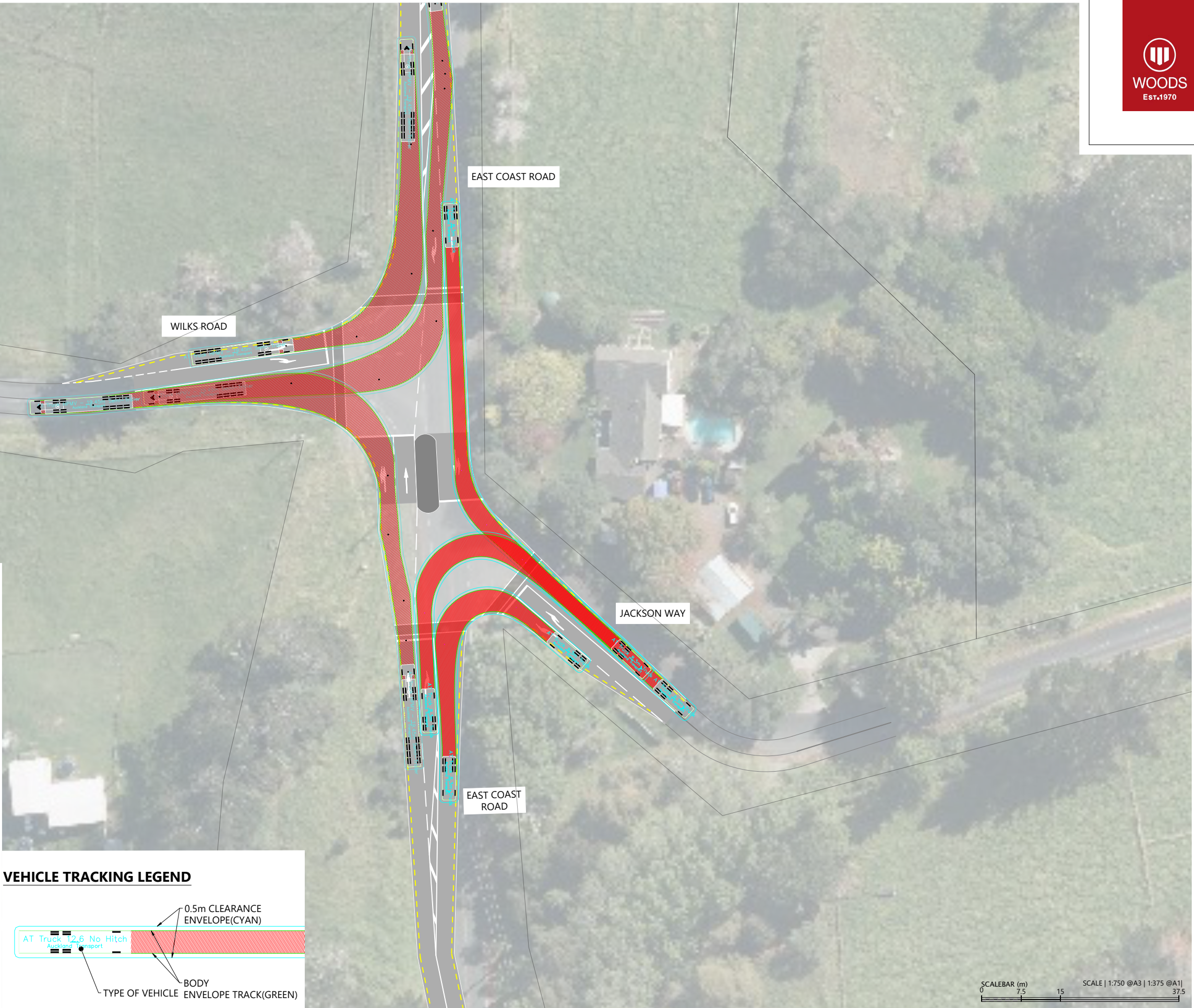
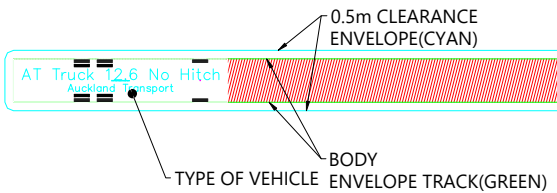
Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
Min Body Ground Clearance	0.373m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	40.20°



AT Truck HPMV - 19.45m Semi-Trailer

Tractor Width	: 2.55
Tractor Track	: 2.55
Lock to Lock Time	: 6.0
Steering Angle	: 22.6
Articulating Angle	: 70.0

VEHICLE TRACKING LEGEND



REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / EAST COAST RD MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	06/05/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	



WILKS ROAD - EAST COAST ROAD INTERSECTION
VEHICLE TRACKING (DESIGNED VEHICLE)-SHEET 1 OF 2



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:750 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2101-RD	

NOTES

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LEGEND

EXISTING PROPERTY & CARRIAGWAY BOUNDARY FROM GIS

PROPOSED ROAD MARKINGS

EX TRANSMISSION WATERMAIN (INDICATIVE ONLY)
WC

EX STORMWATER PIPE/CONN (INDICATIVE ONLY)

EX FIBRE (INDICATIVE ONLY)
T

EX UNDERGROUND POWER LINE (INDICATIVE ONLY)
P

PROPOSED TRAFFIC ISLAND

EXISTING TREES & BUSH (INDICATIVE ONLY)

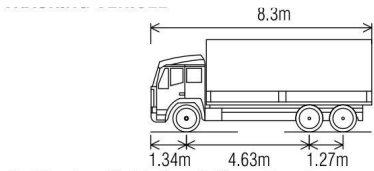
CUT BATTER (INDICATIVE ONLY)

FILL BATTER (INDICATIVE ONLY)

PROPOSED RETAINING WALL TYPE A WITH APPROX. 0.3 TO 0.8 Meter Height (INDICATIVE ONLY)

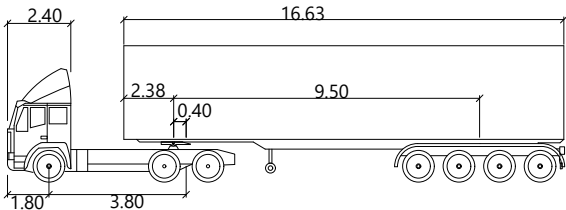
PROPOSED PLANTED TRAFFIC ISLAND

DESIGNED VEHICLE



AT Design Vehicle - 8.3m - Truck

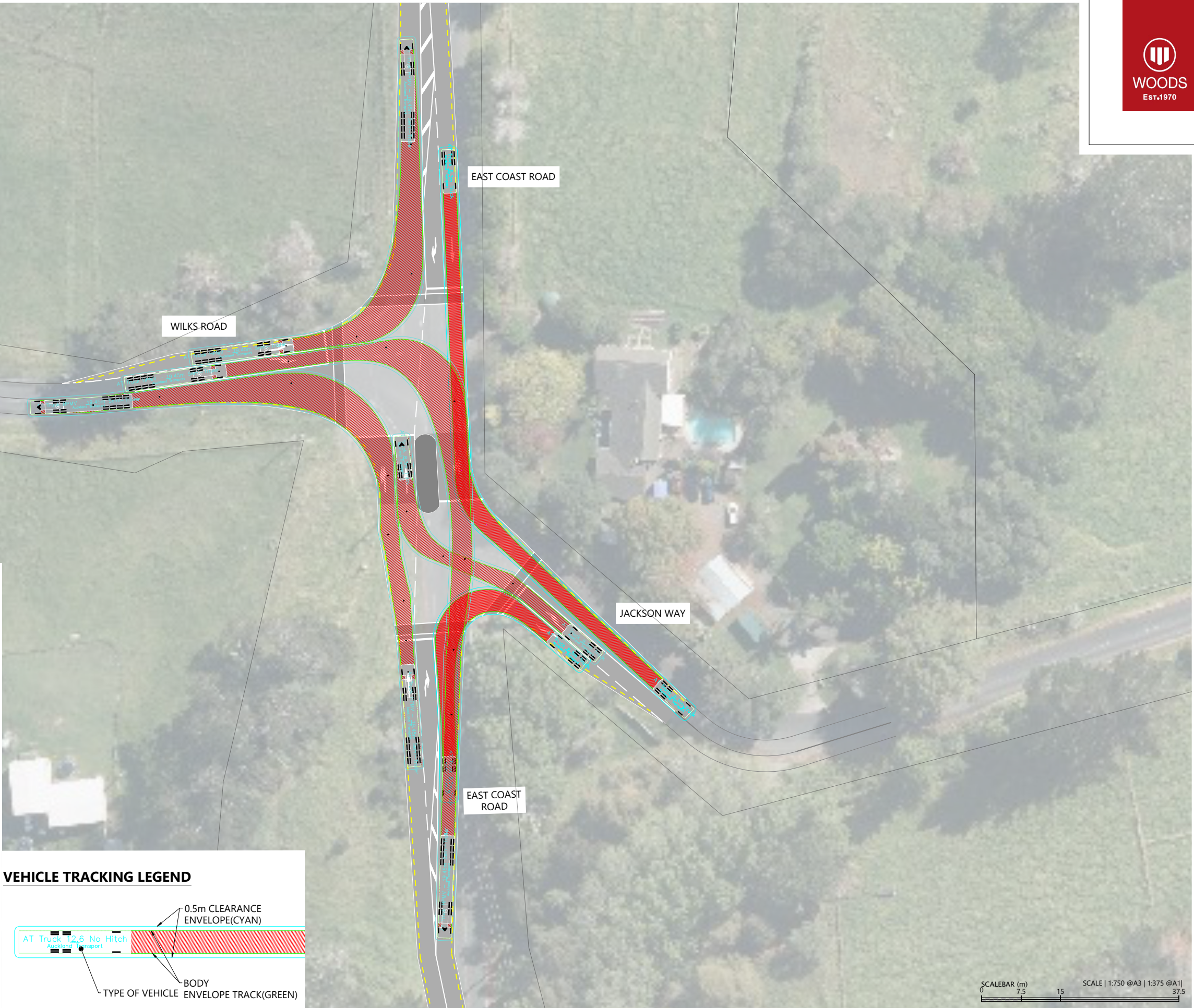
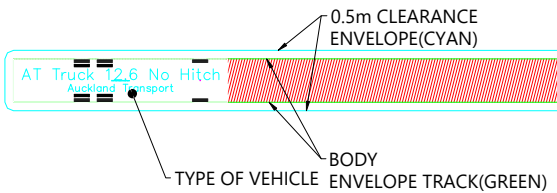
Overall Length	8.300m
Overall Width	2.550m
Overall Body Height	3.471m
Min Body Ground Clearance	0.373m
Track Width	2.550m
Lock-to-lock time	6.00s
Max Steering Angle (Virtual)	40.20°



AT Truck HPMV - 19.45m Semi-Trailer

Tractor Width	: 2.55
Tractor Track	: 2.55
Lock to Lock Time	: 6.0
Steering Angle	: 22.6
Articulating Angle	: 70.0

VEHICLE TRACKING LEGEND



REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / EAST COAST RD MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	06/05/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	



WILKS ROAD - EAST COAST ROAD INTERSECTION
VEHICLE TRACKING (DESIGNED VEHICLE)-SHEET 2 OF 2



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:750 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2102-RD	

NOTES

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LEGEND

EXISTING PROPERTY & CARRIAGWAY BOUNDARY FROM GIS

PROPOSED ROAD MARKINGS

EX TRANSMISSION WATERMAIN (INDICATIVE ONLY)

EX STORMWATER PIPE/CONN (INDICATIVE ONLY)

EX FIBRE (INDICATIVE ONLY)

EX UNDERGROUND POWER LINE (INDICATIVE ONLY)

PROPOSED TRAFFIC ISLAND

EXISTING TREES & BUSH (INDICATIVE ONLY)

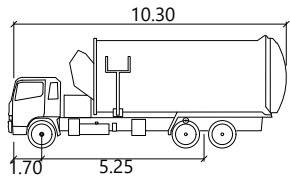
CUT BATTER (INDICATIVE ONLY)

FILL BATTER (INDICATIVE ONLY)

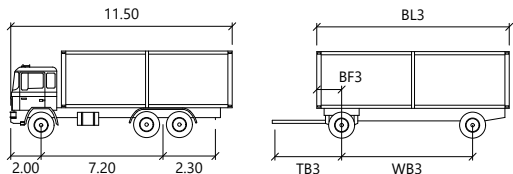
PROPOSED RETAINING WALL TYPE A WITH APPROXI. 0.3 TO 0.8 Meter Height (INDICATIVE ONLY)

PROPOSED PLANTED TRAFFIC ISLAND

CHECKED VEHICLE

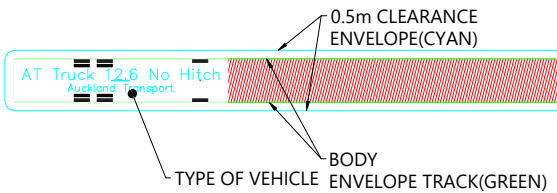


AT Rubbish 10.3m Side Load Rear Steer	10.30	meters
Width	2.55	
Track	2.55	
Lock to Lock Time	6.0	
Steering Angle	SA1	



AT Truck HPMV 23m Truck and Trailer			
Truck Width	: 2.55	Trailer Width	: 2.55
Truck Track	: 2.55	Trailer Track	: 2.55
Lock to Lock Time	: 6.0	Articulating Angle	: 70.0
Steering Angle	: 44.6		

VEHICLE TRACKING LEGEND



REVISION DETAILS	INT	DATE	SURVEYED	WOODS	
1 PRELIMINARY DESIGN	KL	06/05/2026	DESIGNED	KL	WILKS RD / EAST COAST RD MILLDALE AUCKLAND 1071
			DRAWN	KL	
			CHECKED	YF	
			APPROVED	TR	WOODS.CO.NZ



WILKS ROAD - EAST COAST ROAD INTERSECTION
VEHICLE TRACKING (CHECKED VEHICLE)-SHEET 1 OF 2



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:750 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2103-RD	



NOTES

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LEGEND

EXISTING PROPERTY & CARRIAGWAY BOUNDARY FROM GIS

PROPOSED ROAD MARKINGS

EX TRANSMISSION WATERMAIN (INDICATIVE ONLY)

EX STORMWATER PIPE/CONN (INDICATIVE ONLY)

EX FIBRE (INDICATIVE ONLY)

EX UNDERGROUND POWER LINE (INDICATIVE ONLY)

PROPOSED TRAFFIC ISLAND

EXISTING TREES & BUSH (INDICATIVE ONLY)

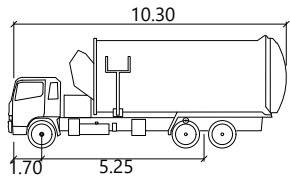
CUT BATTER (INDICATIVE ONLY)

FILL BATTER (INDICATIVE ONLY)

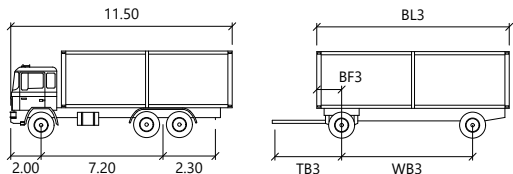
PROPOSED RETAINING WALL TYPE A WITH APPROXI. 0.3 TO 0.8 Meter Height (INDICATIVE ONLY)

PROPOSED PLANTED TRAFFIC ISLAND

CHECKED VEHICLE

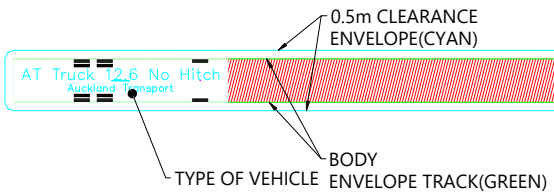


AT Rubbish 10.3m Side Load Rear Steer	10.30	meters
Width	2.55	
Track	2.55	
Lock to Lock Time	6.0	
Steering Angle	SA1	



AT Truck HPMV 23m Truck and Trailer	11.50	meters
Truck Width	2.55	
Truck Track	2.55	
Lock to Lock Time	6.0	
Steering Angle	44.6	
Trailer Width	2.55	
Trailer Track	2.55	
Articulating Angle	70.0	

VEHICLE TRACKING LEGEND



REVISION DETAILS	INT	DATE	SURVEYED	WOODS	
1 PRELIMINARY DESIGN	KL	06/05/2026	DESIGNED	KL	WILKS RD / EAST COAST RD MILLDALE AUCKLAND 1071
			DRAWN	KL	
			CHECKED	YF	
			APPROVED	TR	WOODS.CO.NZ



WILKS ROAD - EAST COAST ROAD INTERSECTION
VEHICLE TRACKING (CHECKED VEHICLE)-SHEET 2 OF 2



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:750 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2104-RD	



NOTES

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LEGEND

EXISTING PROPERTY & CARRIAGWAY
BOUNDARY FROM GIS

PROPOSED ROAD MARKINGS

PROPOSED ROAD LAYOUT BOUNDARY

EX TRANSMISSION WATERMAIN
(INDICATIVE ONLY)

EX STORMWATER PIPE/CONN
(INDICATIVE ONLY)

EX FIBRE (INDICATIVE ONLY)

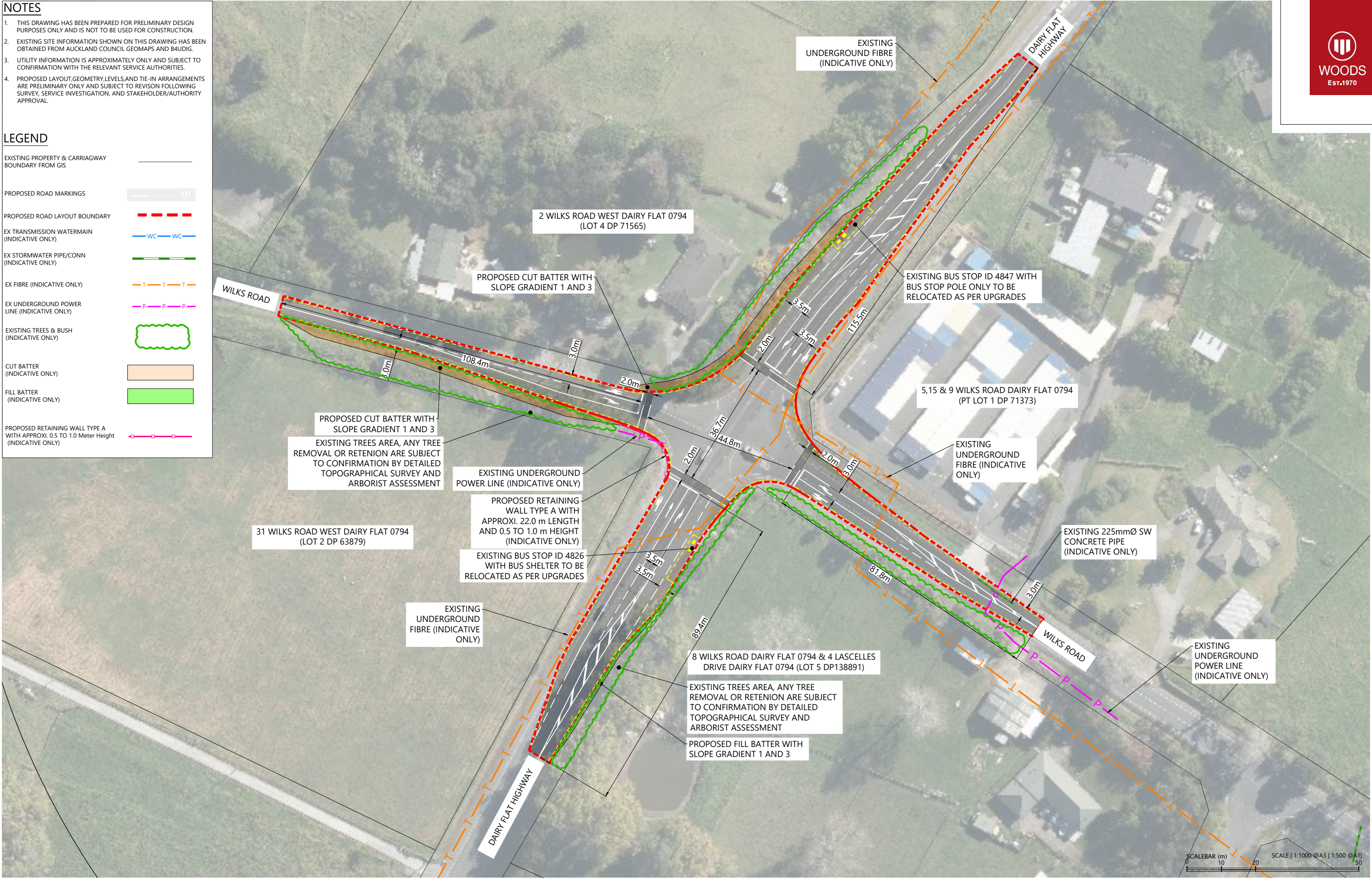
EX UNDERGROUND POWER
LINE (INDICATIVE ONLY)

EXISTING TREES & BUSH
(INDICATIVE ONLY)

CUT BATTER
(INDICATIVE ONLY)

FILL BATTER
(INDICATIVE ONLY)

PROPOSED RETAINING WALL TYPE A
WITH APPROXI. 0.5 TO 1.0 Meter Height
(INDICATIVE ONLY)



REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / DAIRY FLAT HWY MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	19/03/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	

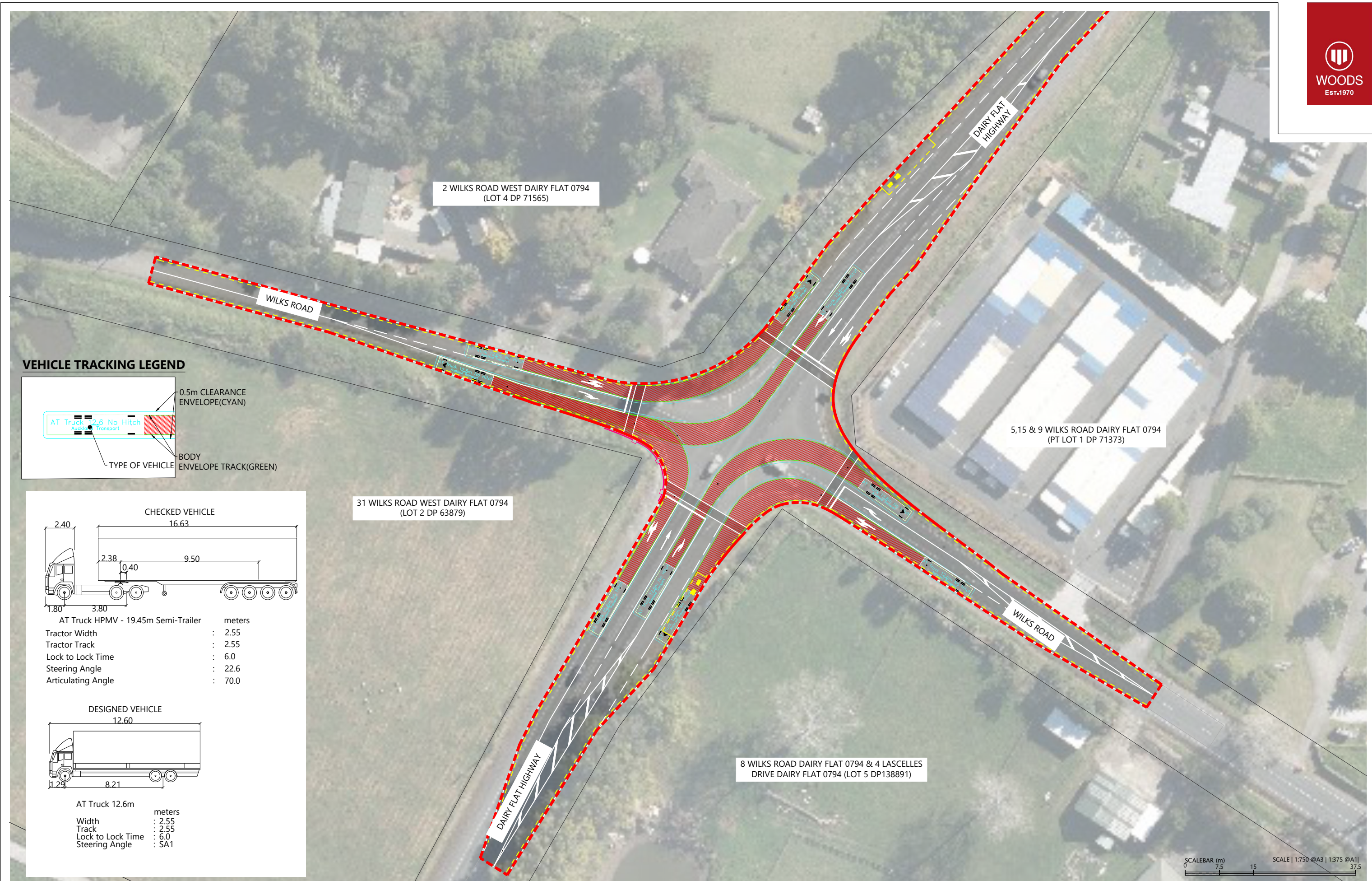


WILKS ROAD - DAIRY FLAT HWY INTERSECTION
PROPOSED ROADING LAYOUT PLAN - OPTION 1 SIGNALISED INTERSECTION



STATUS	PRELIMINARY DESIGN	REV
SCALE	1:750 @ A3	1
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P25-609-05-2200-RD	





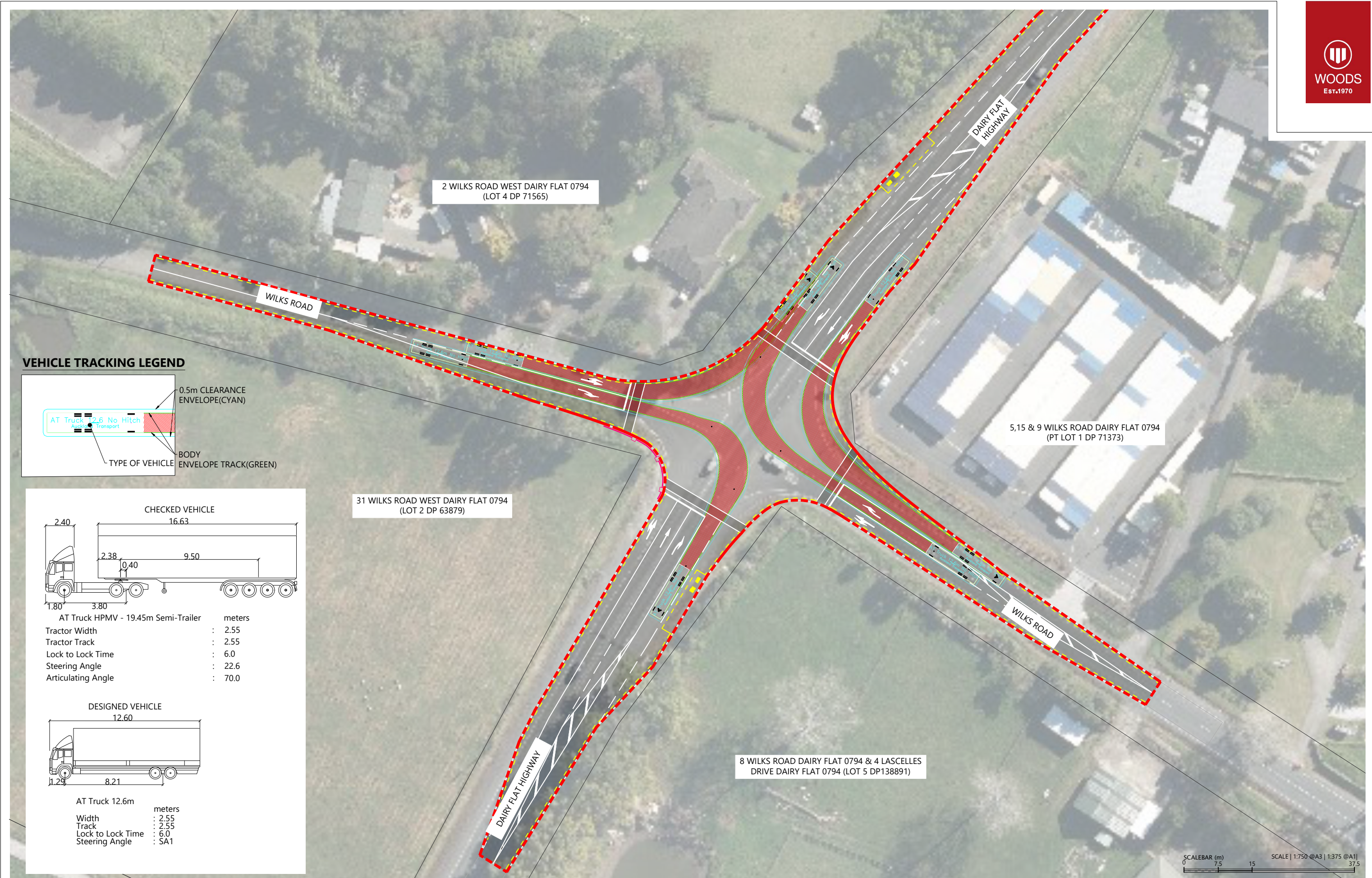
REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / DAIRY FLAT HWY MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	27/03/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	



WILKS ROAD - DAIRY FLAT HWY INTERSECTION
VEHICLE TRACKING (DESIGNED VEHICLE)-SHEET 1 OF 2



STATUS	PRELIMINARY DESIGN	REV	
SCALE	1:750 @ A3	1	
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P25-609-05-2201-RD		



REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / DAIRY FLAT HWY MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	27/03/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	



WILKS ROAD - DAIRY FLAT HWY INTERSECTION
VEHICLE TRACKING (DESIGNED VEHICLE)-SHEET 2 OF 2



STATUS	PRELIMINARY DESIGN	REV	1
SCALE	1:750 @ A3		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P25-609-05-2202-RD		



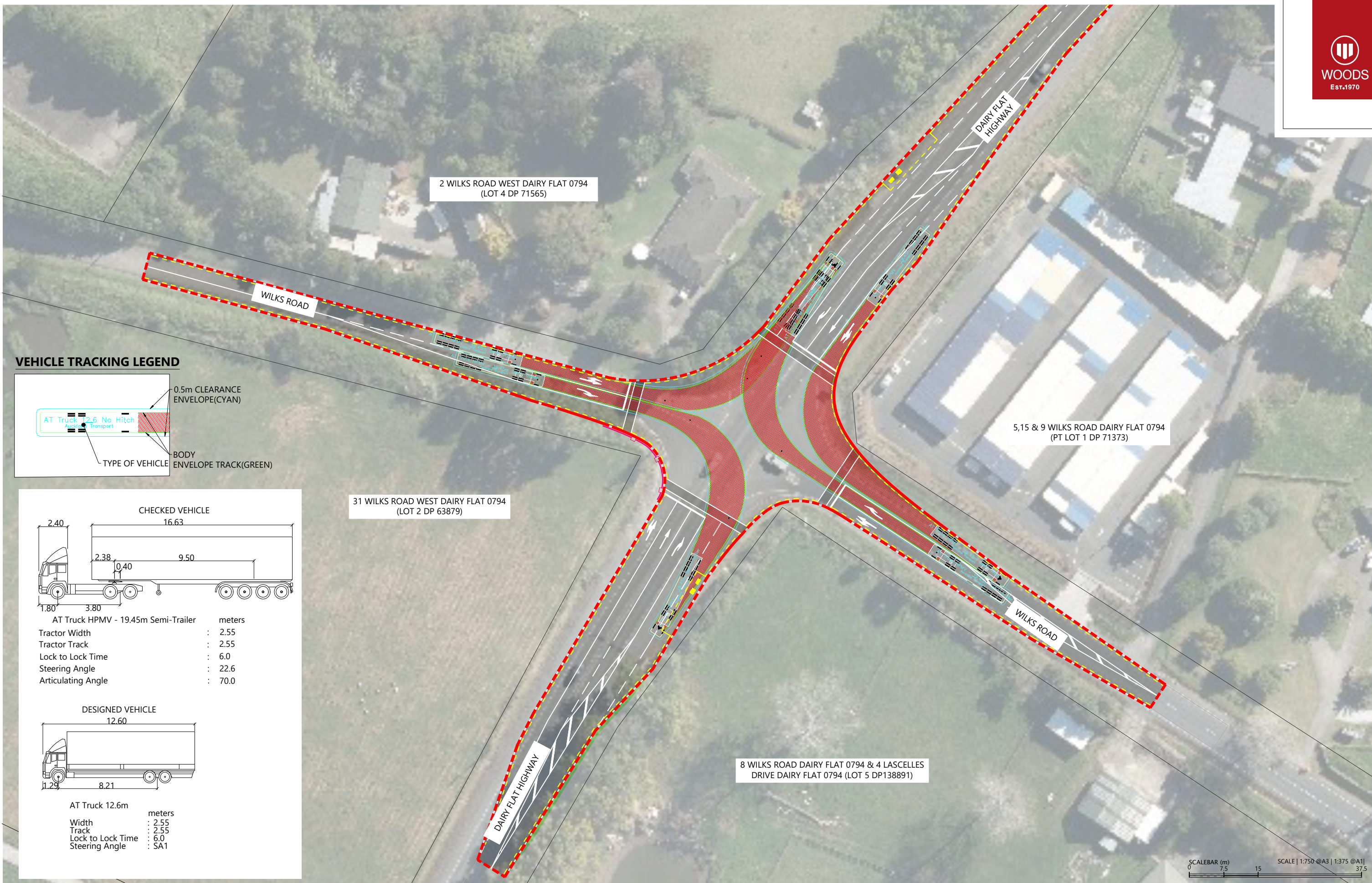
REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / DAIRY FLAT HWY MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	27/03/2026	DESIGNED	KL	
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				CHECKED	YF	
				APPROVED	TR	



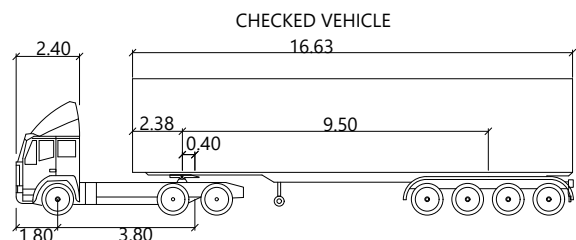
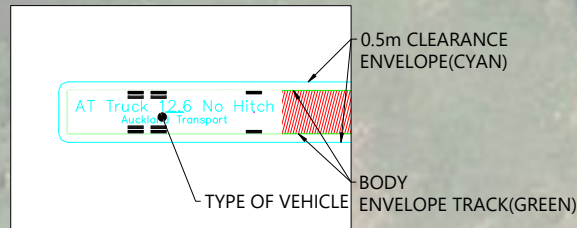
WILKS ROAD - DAIRY FLAT HWY INTERSECTION
VEHICLE TRACKING (CHECKED VEHICLE)-SHEET 1 OF 2



STATUS	PRELIMINARY DESIGN	REV	1
SCALE	1:750 @ A3		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P25-609-05-2203-RD		



VEHICLE TRACKING LEGEND



AT Truck HPMV - 19.45m Semi-Trailer meters

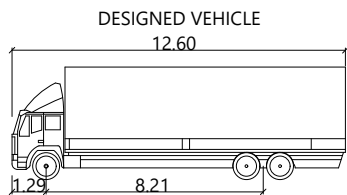
Tractor Width : 2.55

Tractor Track : 2.55

Lock to Lock Time : 6.0

Steering Angle : 22.6

Articulating Angle : 70.0



AT Truck 12.6m meters

Width : 2.55

Track : 2.55

Lock to Lock Time : 6.0

Steering Angle : SA1

REVISION DETAILS		INT	DATE	SURVEYED	WOODS	WILKS RD / DAIRY FLAT HWY MILLDALE AUCKLAND 1071 WOODS.CO.NZ
1	PRELIMINARY DESIGN	KL	27/03/2026	DESIGNED	KL	
				DRAWN	KL	
				CHECKED	YF	
				APPROVED	TR	



WILKS ROAD - DAIRY FLAT HWY INTERSECTION
VEHICLE TRACKING (CHECKED VEHICLE)-SHEET 2 OF 2



STATUS	PRELIMINARY DESIGN	REV	1
SCALE	1:750 @ A3		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P25-609-05-2204-RD		