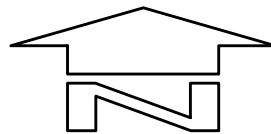


FOR INFORMATION ONLY



TURNING PATHS KEY PLAN
1:1500 SCALE

REVISED AS PER PCC COMMENTS	19.10.21	C
REVISED AS PER TMSW COMMENTS	28.07.21	B
ISSUED FOR INFORMATION	29.06.21	A
AMENDMENTS	DATE	ISSUE

AMENDMENTS	DATE	ISSUE
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AMENDMENTS	DATE	ISSUE
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PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW

DESIGNED	DRAWN	CHECKED	DATE	SCALE	DATE	SCALE
MW	MC	MW	APRIL '18	A0	AS SHOWN	



Costin Roe Consulting Pty Ltd.
Consulting Engineers
Level 1, 8 Windmill Street
Maitland, NSW 2320
Tel: (02) 9251-7899 Fax: (02) 9241-3731
email: mail@costinroe.com.au ©

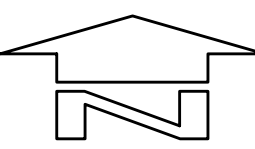
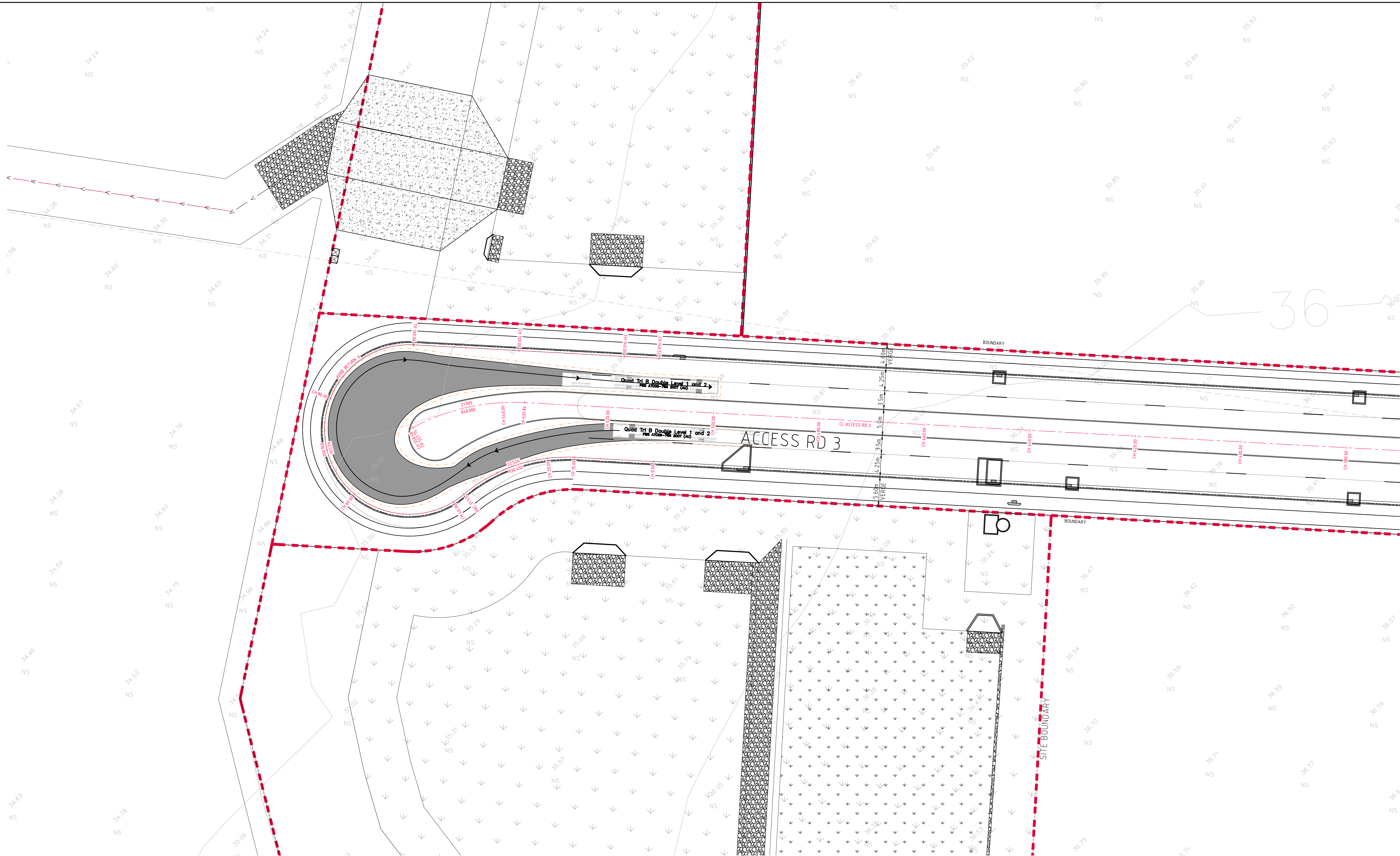
Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

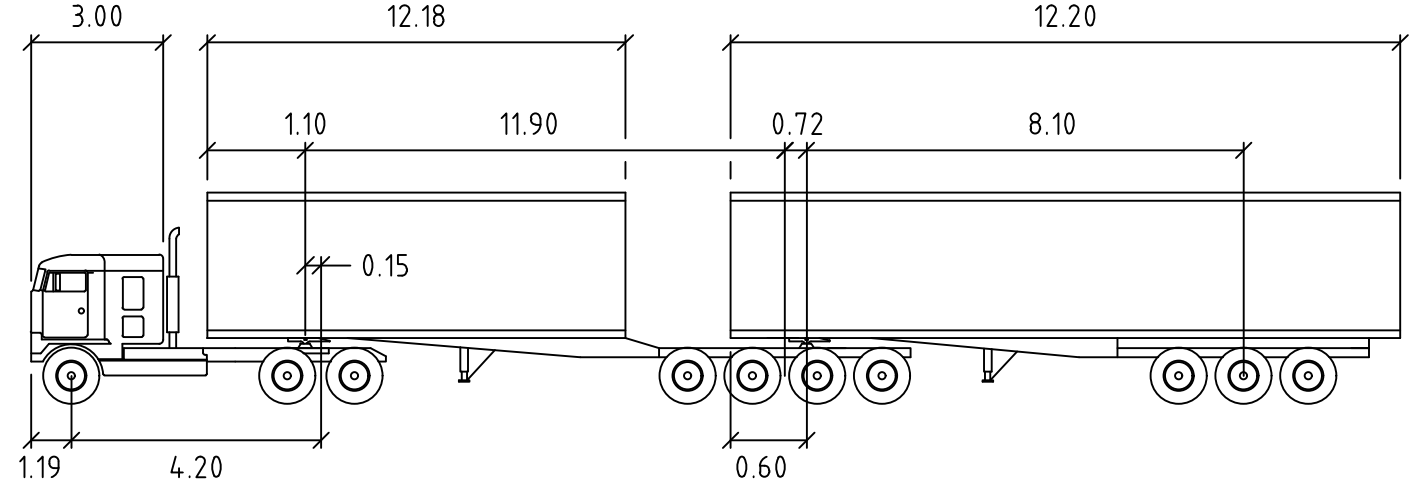
DRAWING TITLE
TURNING PATHS KEY PLAN

DRAWING No
C013362.00-DA800

ISSUE
C



TURNING PATHS PLAN-ACCESS ROAD 3 CUL-DE-SAC
1:250 SCALE



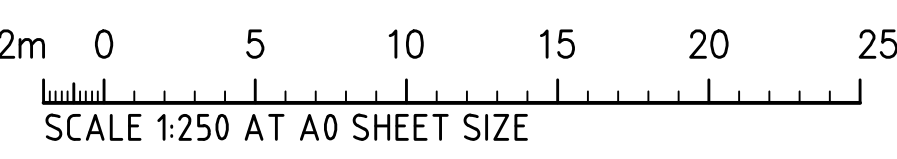
PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.

Tractor Width	2.50	Lock to Lock Time	6.0
Trailer Width	2.50	Steering Angle	22.7
Tractor Track	2.50	Articulating Angle	70.0
Trailer Track	2.50		

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.

— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



FOR INFORMATION ONLY

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS PER PCC COMMENTS	19.10.21	C						
REVISED AS PER TINSW COMMENTS	28.07.21	B						
ISSUED FOR INFORMATION	29.06.21	A						



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW

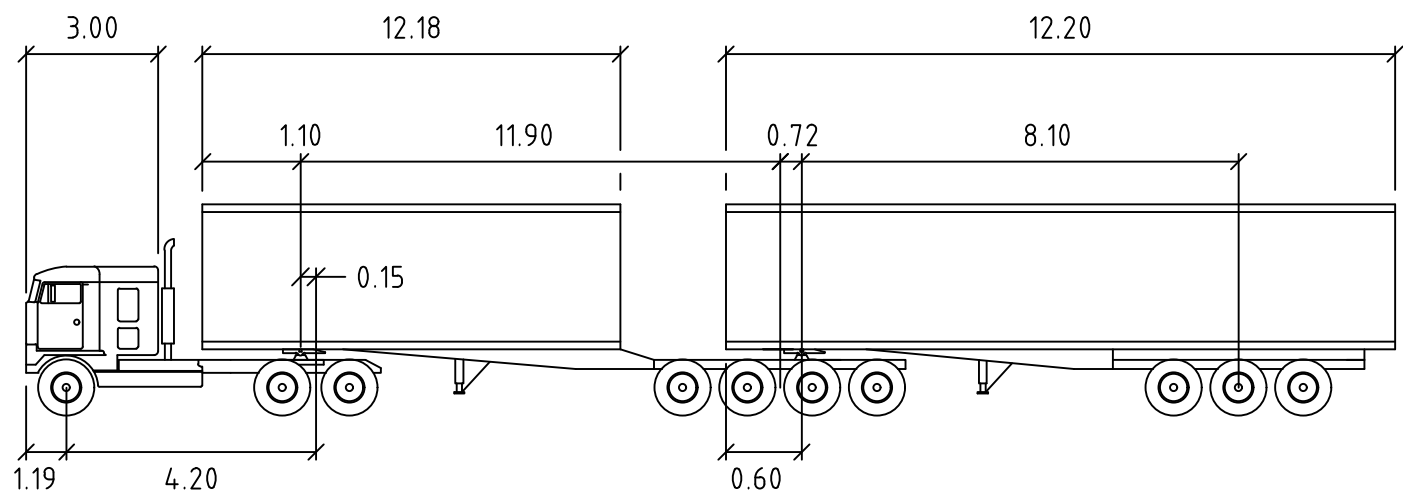
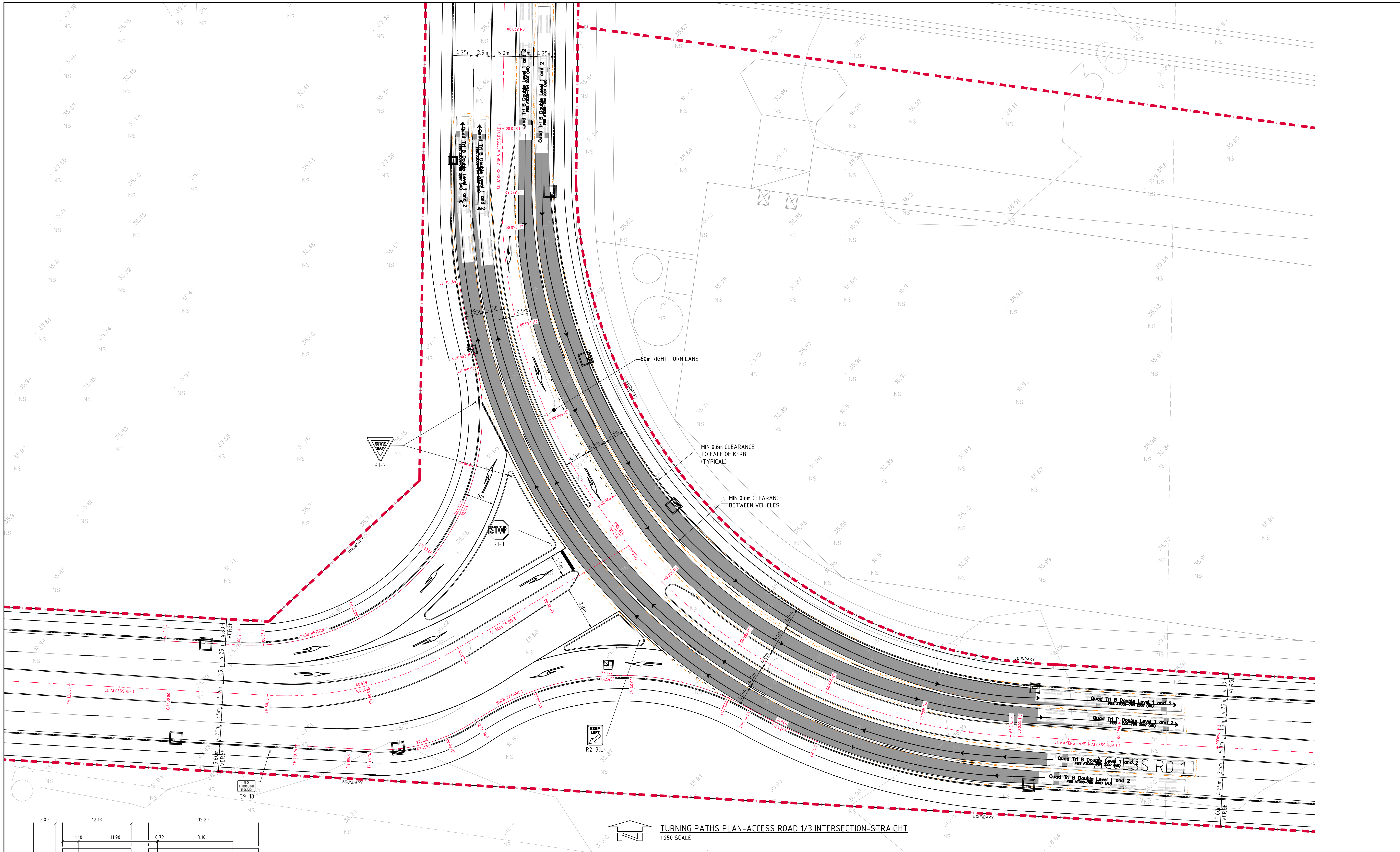


Costin Roe Consulting Pty Ltd.
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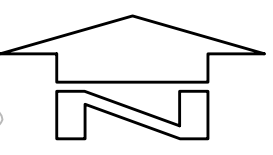
Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 1
DRAWING No. C013362.00-DA801



PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.
Tractor Width : 2.50 meters
Trailer Width : 2.50 meters
Tractor Track : 2.50 meters
Trailer Track : 2.50 meters
Lock to Lock Time : 6.0 seconds
Steering Angle : 22.7 degrees
Articulating Angle : 70.0 degrees



TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-STRAIGHT
1:250 SCALE

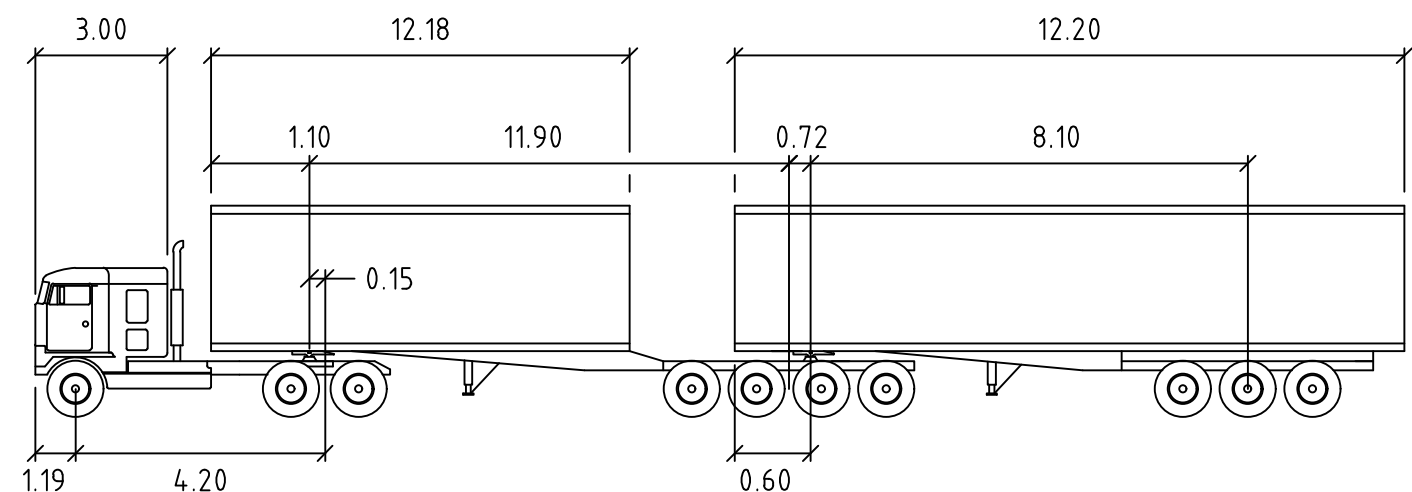
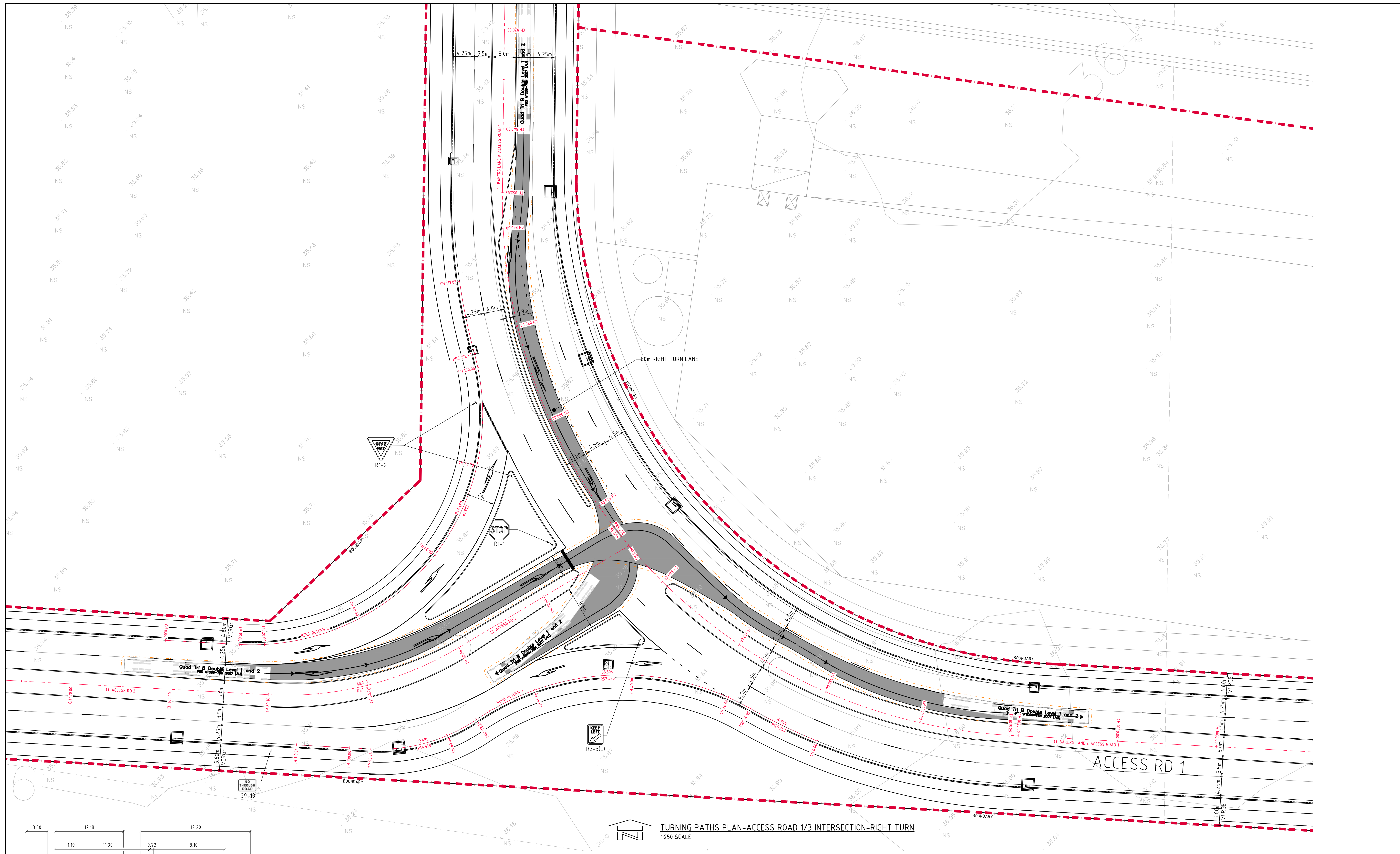
FOR INFORMATION ONLY

NOTE:
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COMPUTER SOFTWARE AUTODESK AUTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 50km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

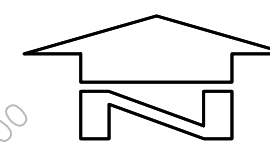


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PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.
Tractor Width : 2.50 meters
Trailer Width : 2.50
Tractor Track : 2.50
Trailer Track : 2.50
Lock to Lock Time : 6.0
Steering Angle : 22.7
Articulating Angle : 70.0

FOR INFORMATION ONLY



TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-RIGHT TURN
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

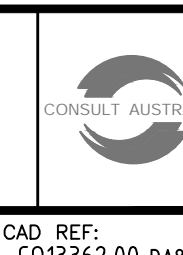
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS PER PCC COMMENTS	19.10.21	C						
REVISED AS PER TMSW COMMENTS	28.07.21	B						
ISSUED FOR INFORMATION	29.06.21	A						



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



Costin Roe Consulting Pty Ltd.
Consulting Engineers
Level 1, 8 Windmill Street
Maitland Bay, Sydney NSW 2000
Tel: (02) 9251-7699 Fax: (02) 9241-3731
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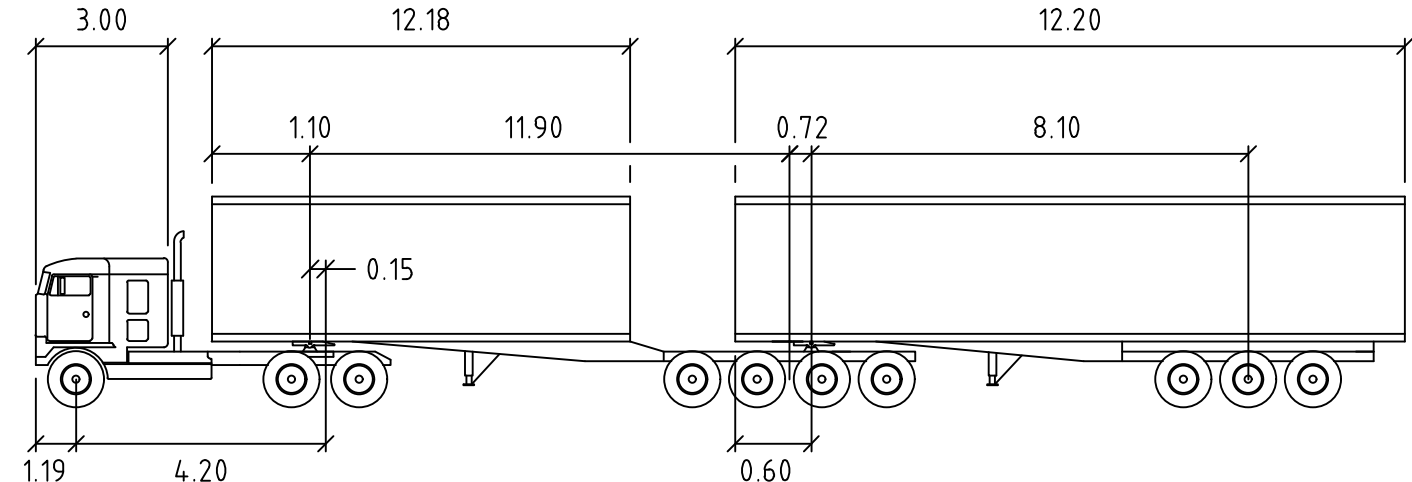
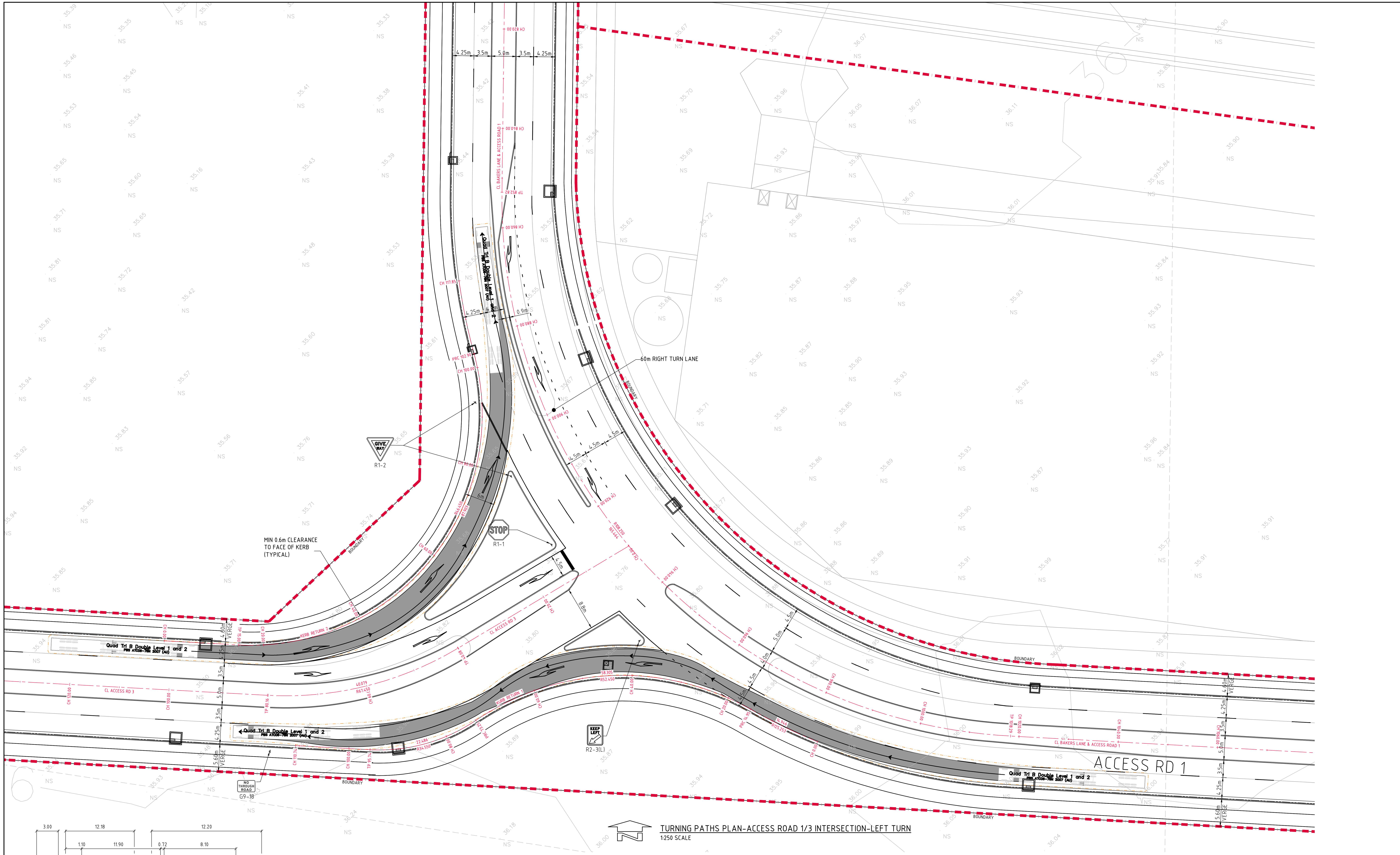
Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 3

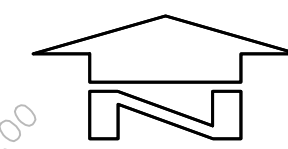
DRAWING NO
C013362.00-DA803

ISSUE



PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.
Tractor Width : 2.50 meters
Trailer Width : 2.50
Tractor Track : 2.50
Trailer Track : 2.50
Lock to Lock Time : 6.0
Steering Angle : 22.1
Articulating Angle : 70.0

FOR INFORMATION ONLY



TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-LEFT TURN
1:250 SCALE

NOTE:
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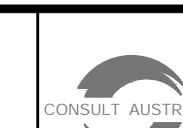
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SHEET SIZE

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS PER PCC COMMENTS	19.10.21	C						
REVISED AS PER TMSW COMMENTS	28.07.21	B						
ISSUED FOR INFORMATION	29.06.21	A						



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



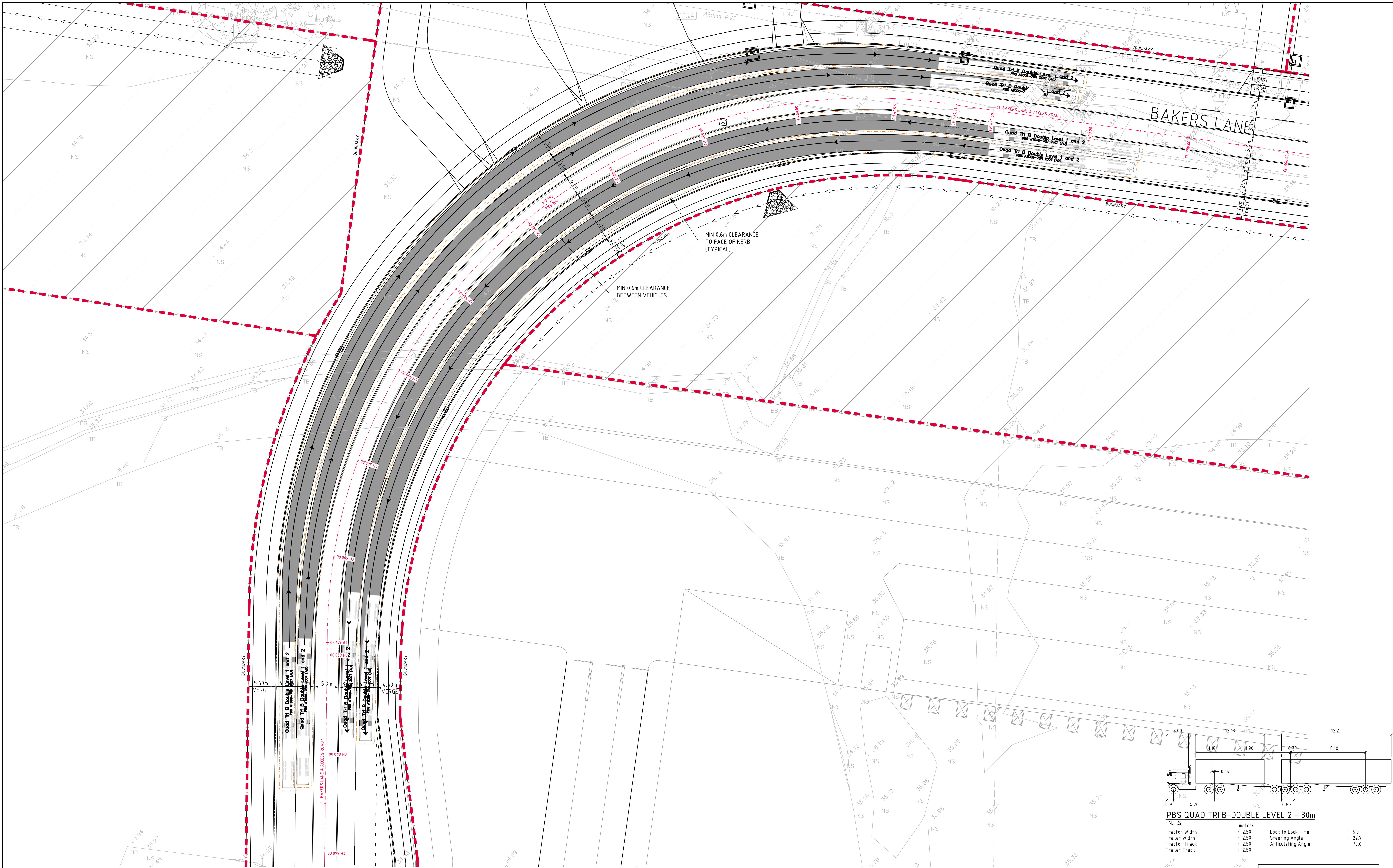
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email: mail@costinroe.com.au ©

Costin Roe Consulting

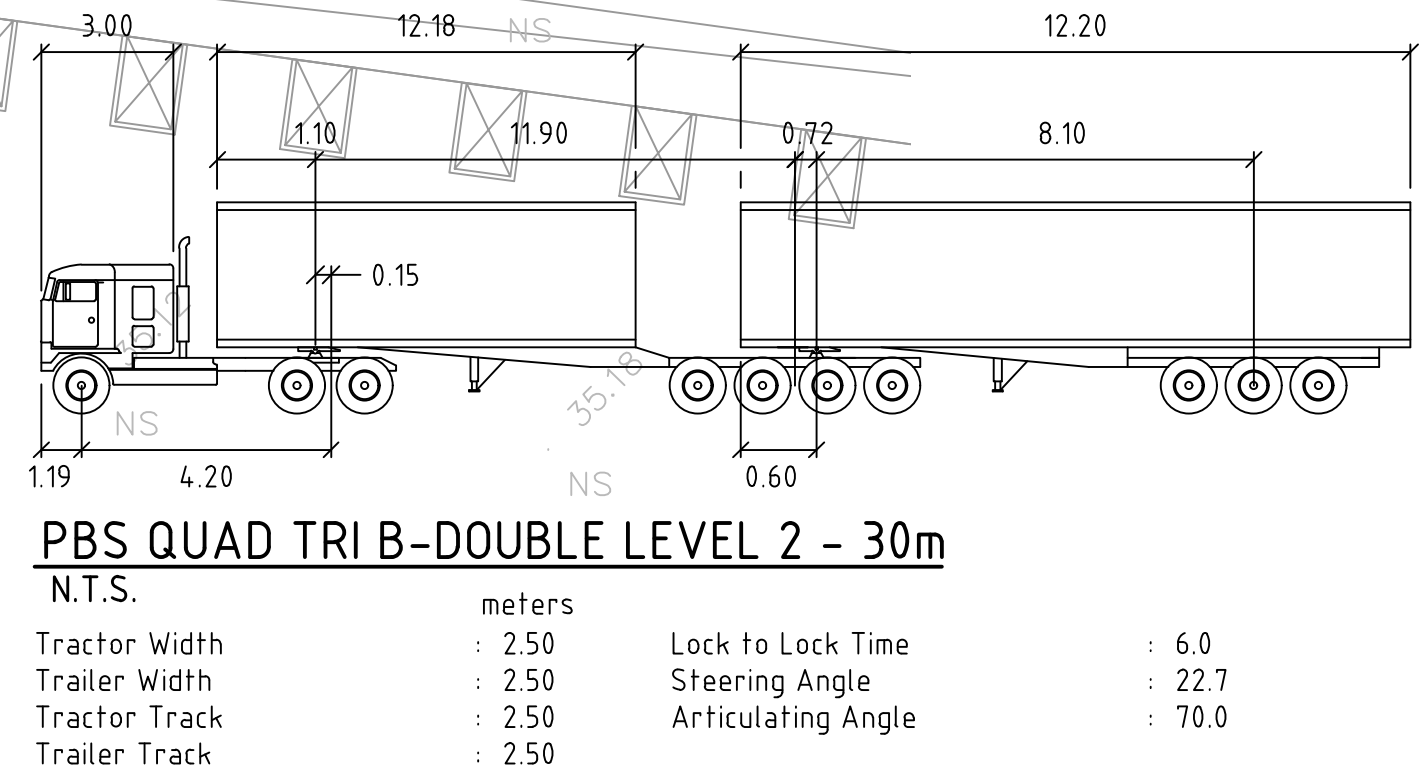
PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 4

DRAWING NO
C013362.00-DA804



TURNING PATHS PLAN-ACCESS ROAD 1-BEND
1:250 SCALE

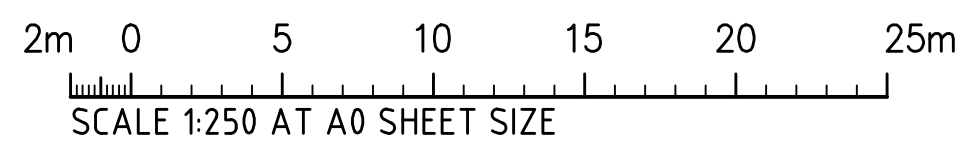


SEQUENCE 1 NOTE:
ACCESS TO LOTS 1-4 TO BE VIA LEFT IN/LEFT OUT TURNING MOVEMENT ONLY

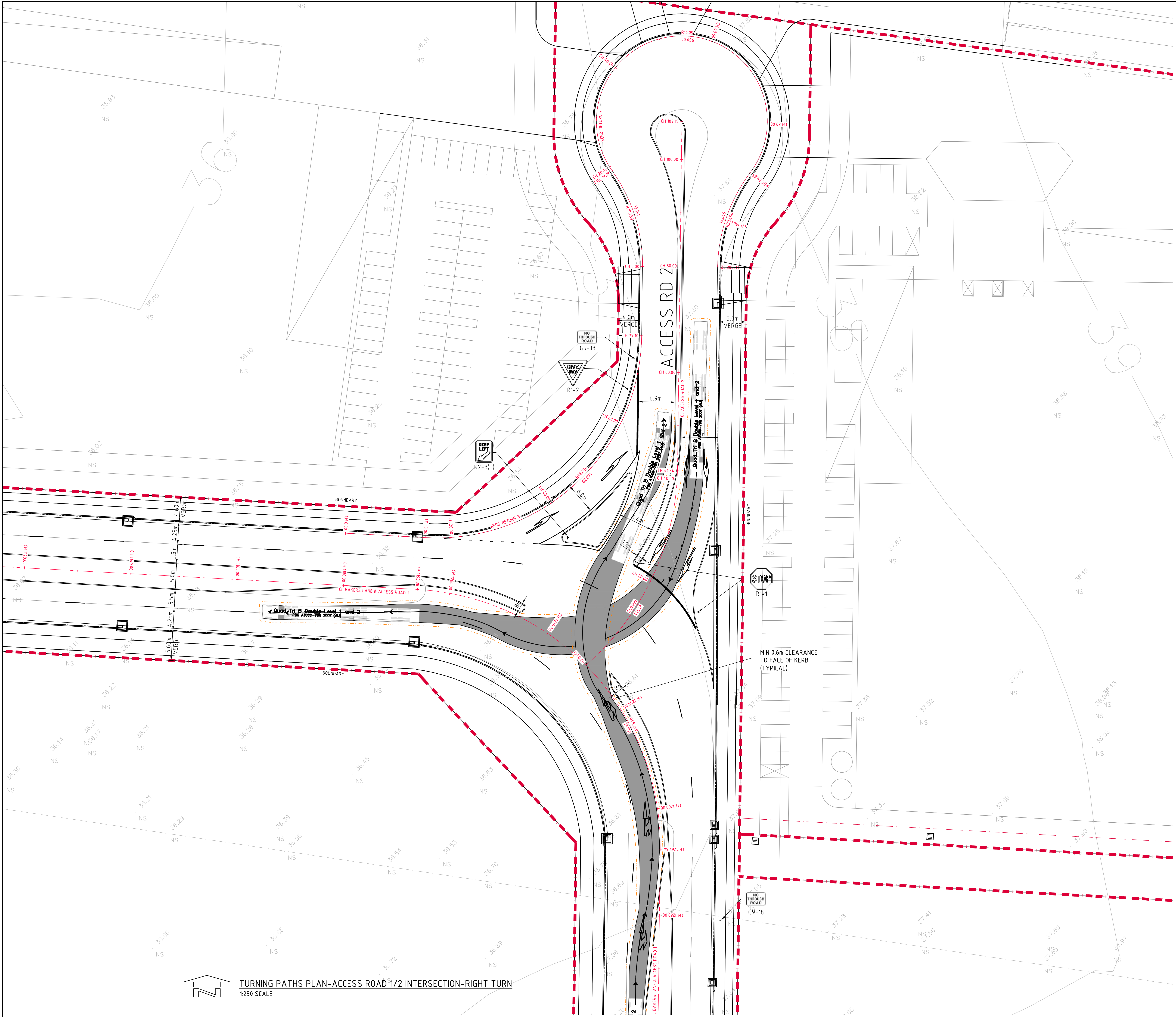
NOTE:
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THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 50km/h.

— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



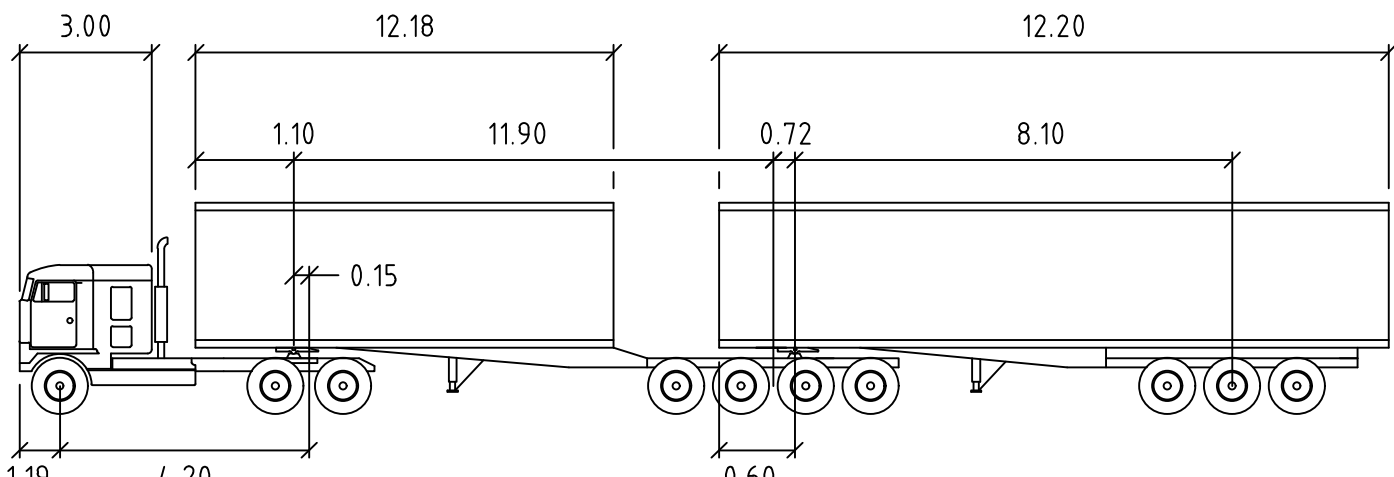
FOR INFORMATION ONLY



NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK VEHICLE TRACKING.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRADS & AS2890.

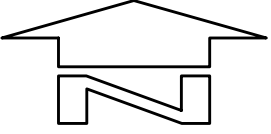
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.

—	VEHICLE BODY PATH
- - -	VEHICLE BODY PATH 600mm CLEARANCE



PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.

Tractor Width	2.50	Lock to Lock Time	6.0
Trailer Width	2.50	Steering Angle	22.1
Tractor Track	2.50	Articulating Angle	10.0
Trailer Track	2.50		



TURNING PATHS PLAN-ACCESS ROAD 1/2 INTERSECTION-RIGHT TURN
1:250 SCALE

FOR INFORMATION ONLY

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS PER PCC COMMENTS	19.10.21	C						
REVISED AS PER TINSW COMMENTS	28.07.21	B						
ISSUED FOR INFORMATION	29.06.21	A						



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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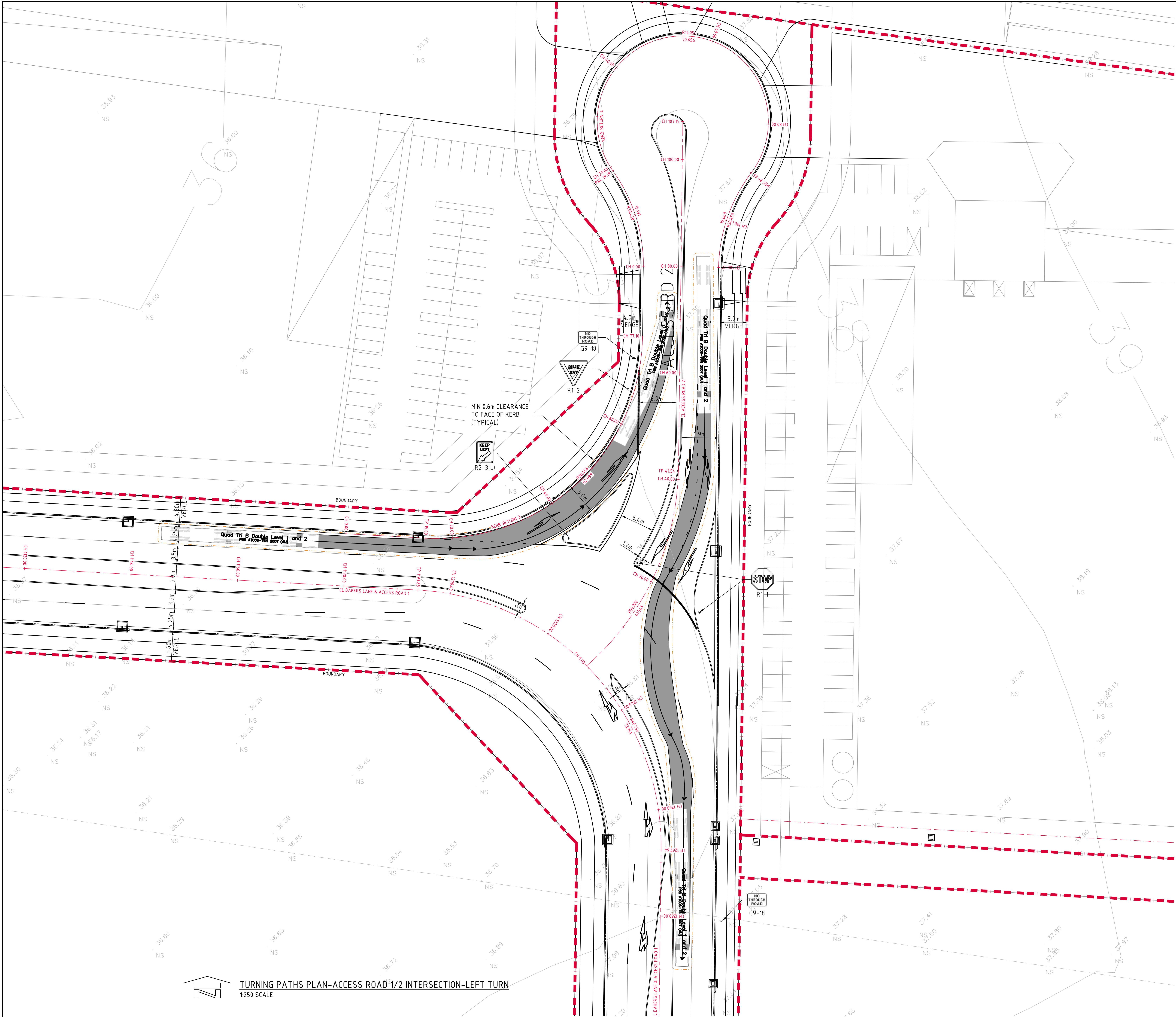
Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 7

DRAWING NO
C013362.00-DA807

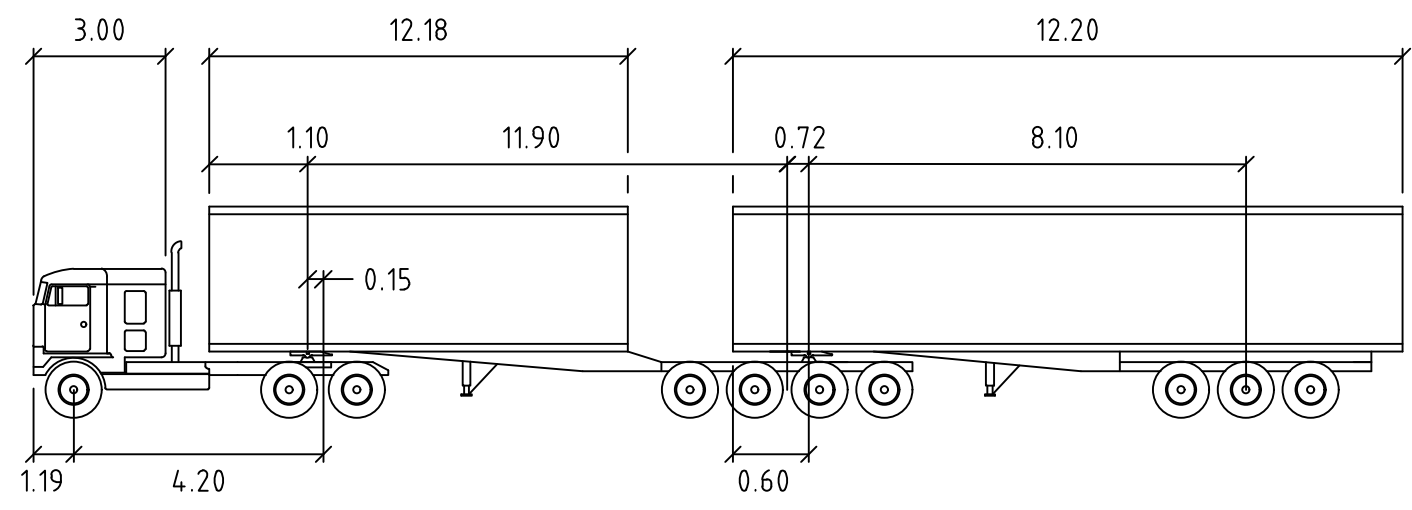
ISSUE



NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK VEHICLE TRACKING.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRADS & AS2890.

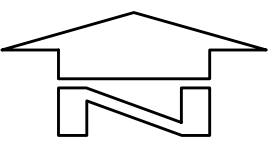
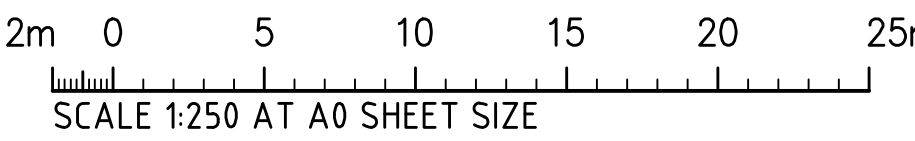
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.

— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m

N.T.S.	metres		
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 22.7
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



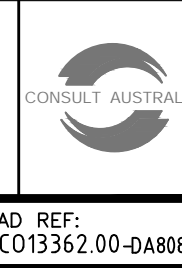
TURNING PATHS PLAN-ACCESS ROAD 1/2 INTERSECTION-LEFT TURN
1:250 SCALE

FOR INFORMATION ONLY

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
REVISED AS PER PCC COMMENTS	19.10.21	C						
REVISED AS PER TINSW COMMENTS	28.07.21	B						
ISSUED FOR INFORMATION	29.06.21	A						



PROJECT
MAMRE SOUTH PRECINCT
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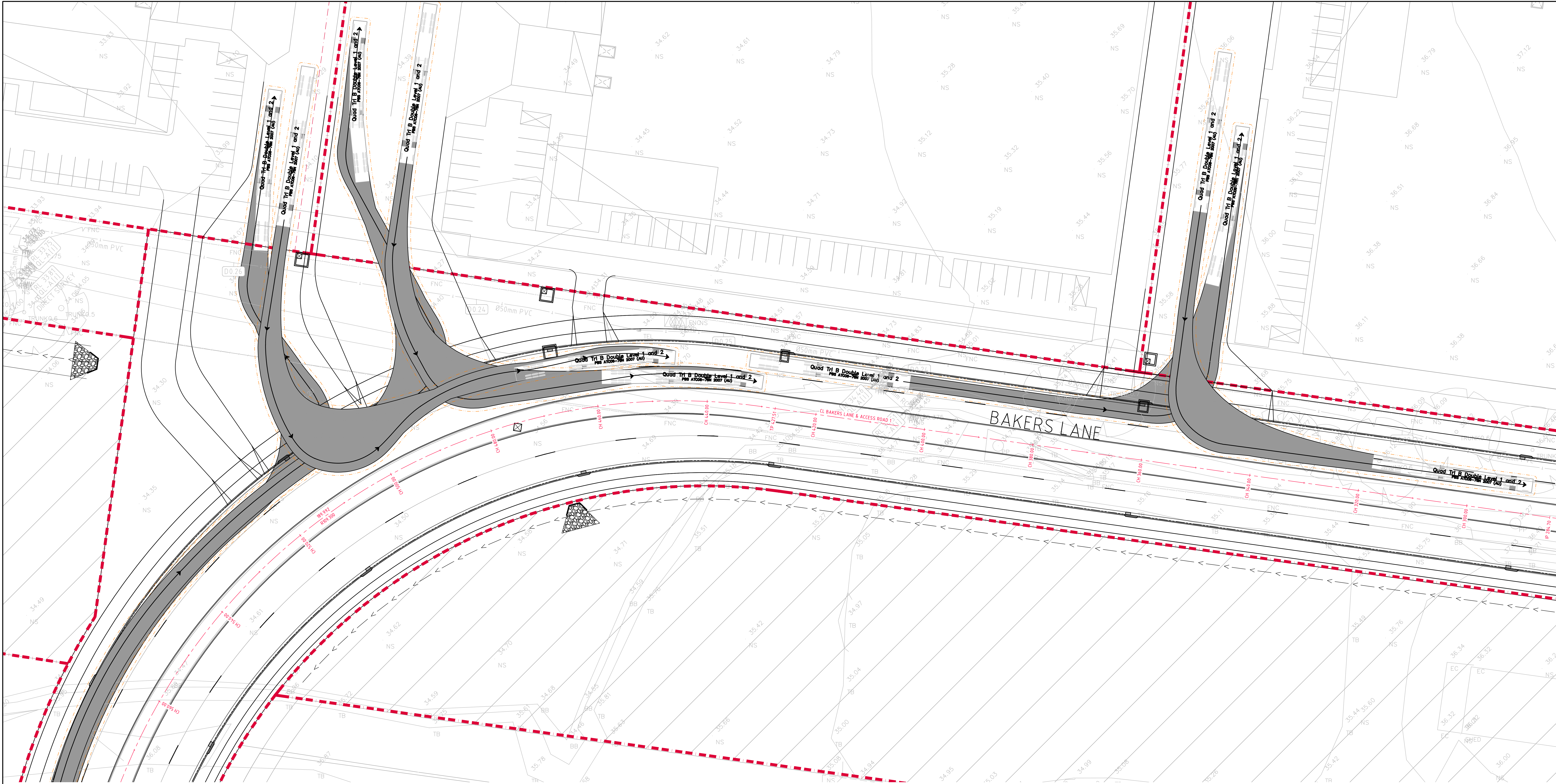
Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

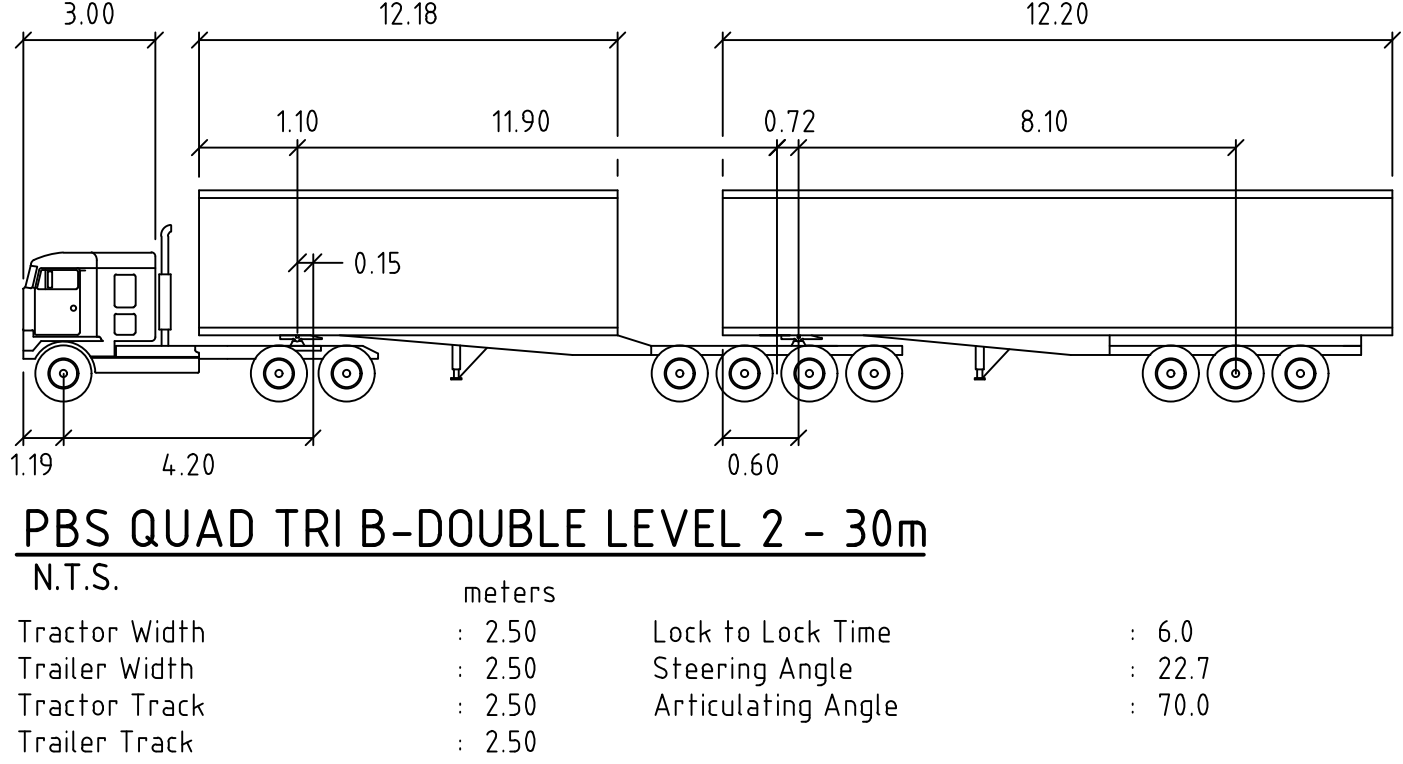
DRAWING TITLE
TURNING PATHS PLAN
SHEET 8

DRAWING NO
C013362.00-DA808

[illegible]



 **TURNING PATHS PLAN-LOT TO 4 ACCESS**
1:250 SCALE



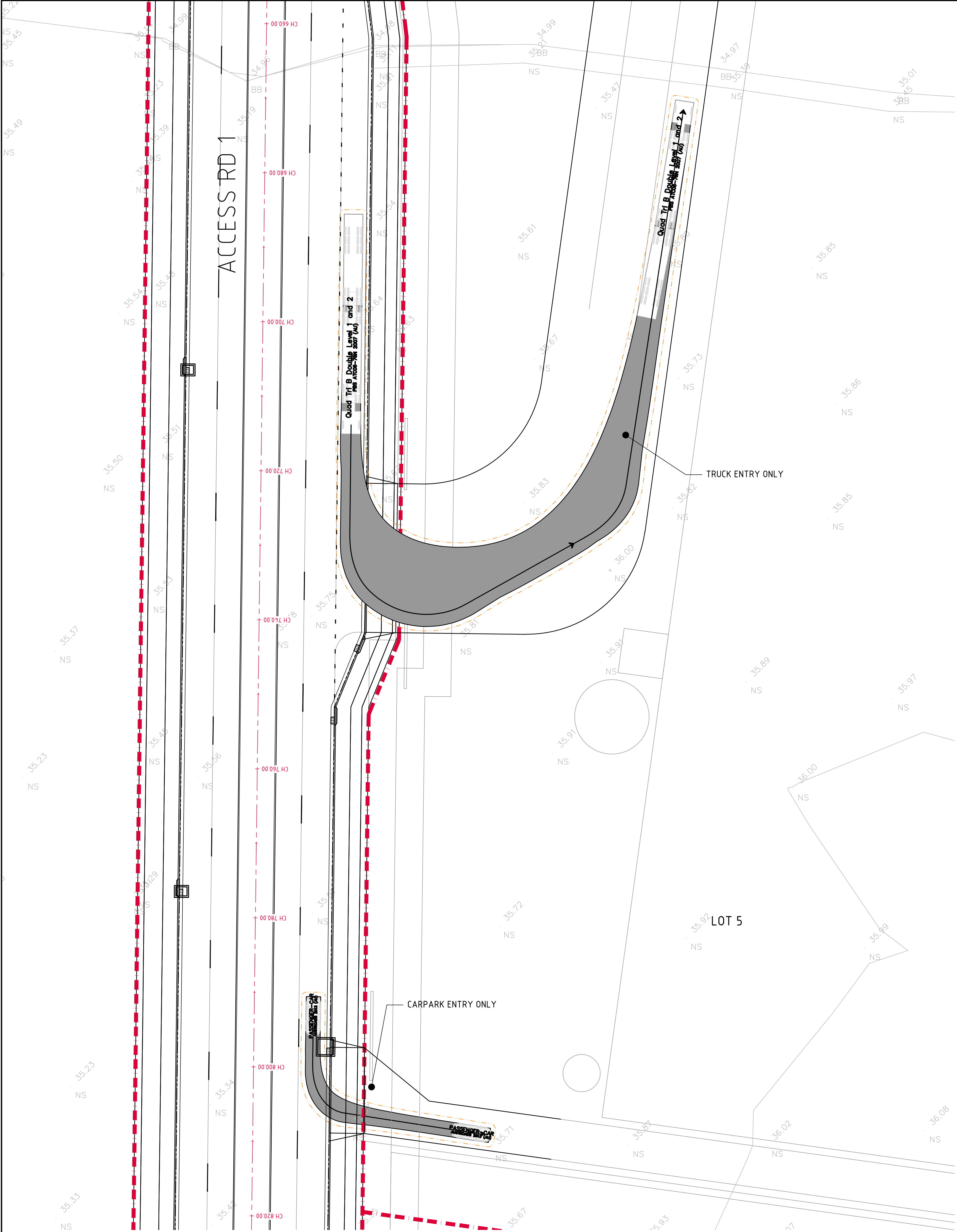
SEQUENCE 1 NOTE:
ACCESS TO LOTS 1-4 TO BE VIA LEFT IN/LEFT OUT TURNING MOVEMENT ONLY

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

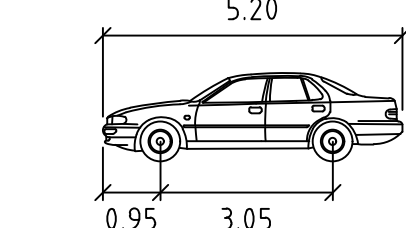
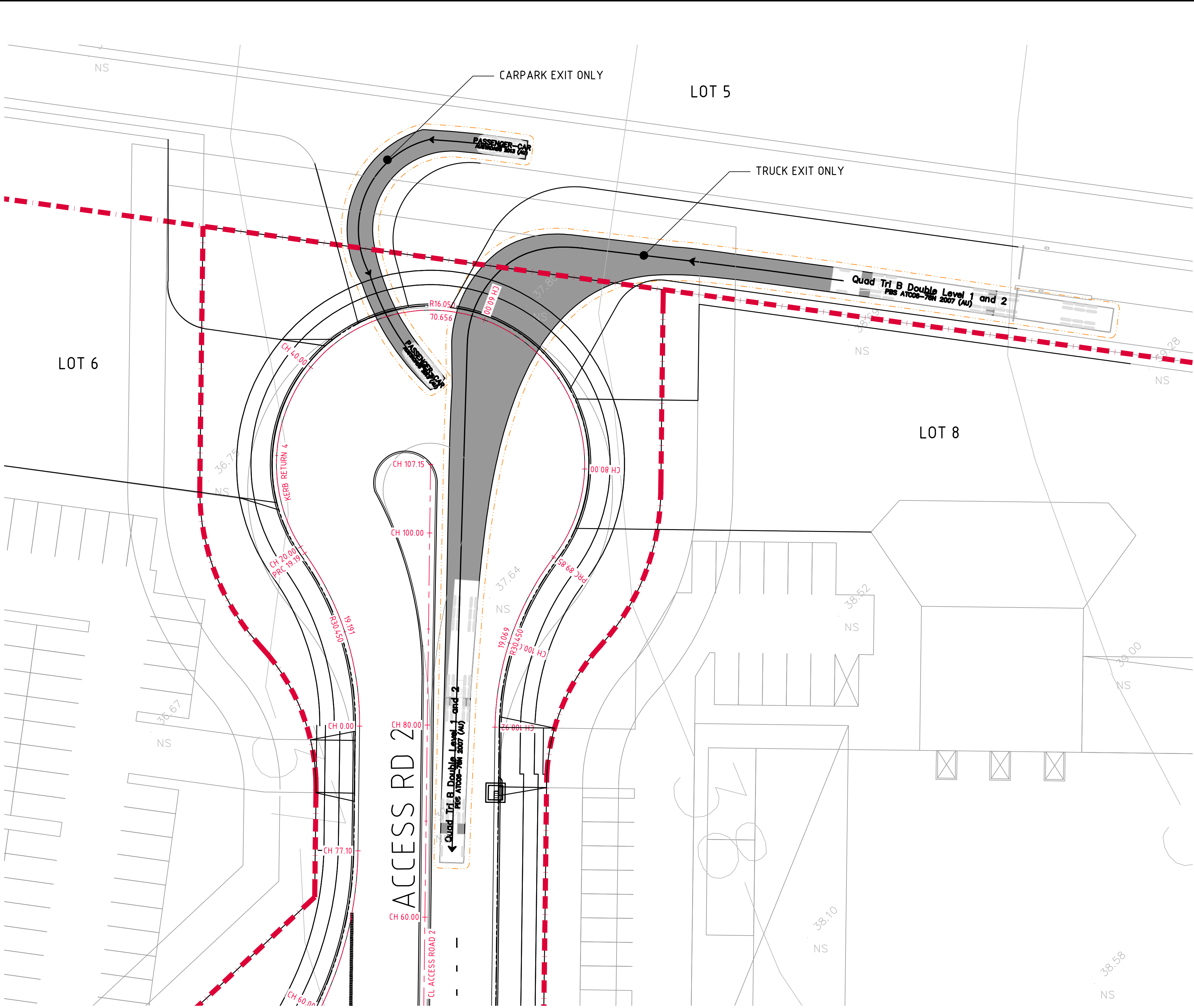
SWEEP PATH NOTE:
SWEEP PATH RUN SPEED 15km/h.

	VEHICLE BODY PATH	VEHICLE BODY PATH 600mm CLEARANCE
Tractor Width	2.50	6.0
Trailer Width	2.50	22.7
Tractor Track	2.50	10.0
Trailer Track	2.50	

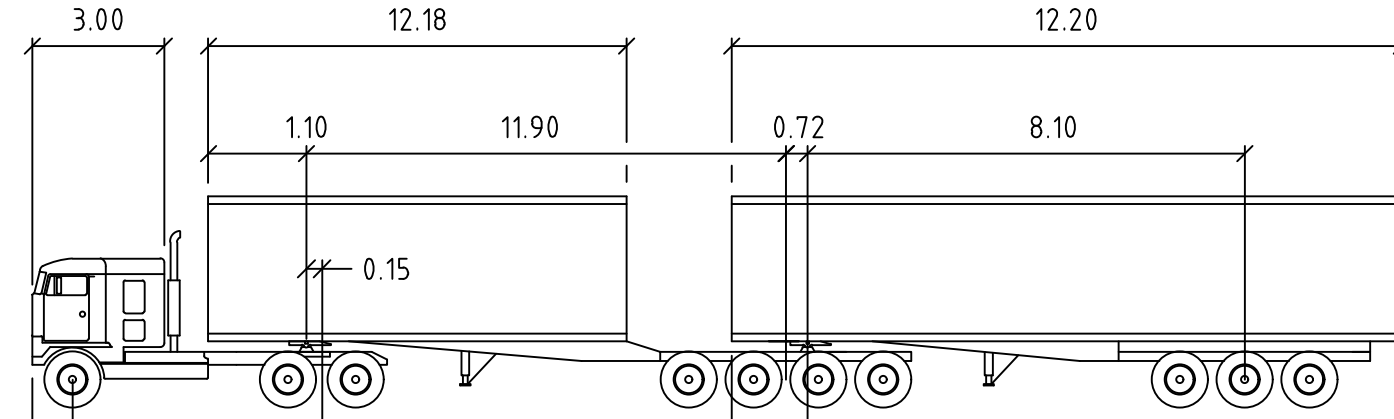
FOR INFORMATION ONLY



TURNING PATHS PLAN-LOT TO 5 ACCESS
1:250 SCALE



PASSENGER-CAR
N.T.S.
meters
Width : 1.94
Track : 1.84
Lock to Lock Time : 6.0
Steering Angle : 33.6



PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.
meters
Tractor Width : 2.50
Tractor Length : 12.18
Tractor Track : 2.50
Tractor Offset : 0.15
Trailer Width : 2.50
Trailer Length : 11.90
Trailer Track : 2.50
Trailer Offset : 0.60
Lock to Lock Time : 6.0
Steering Angle : 22.7
Articulating Angle : 10.0

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



FOR INFORMATION ONLY

ISSUED FOR INFORMATION	19.10.21	A	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
AMENDMENTS								



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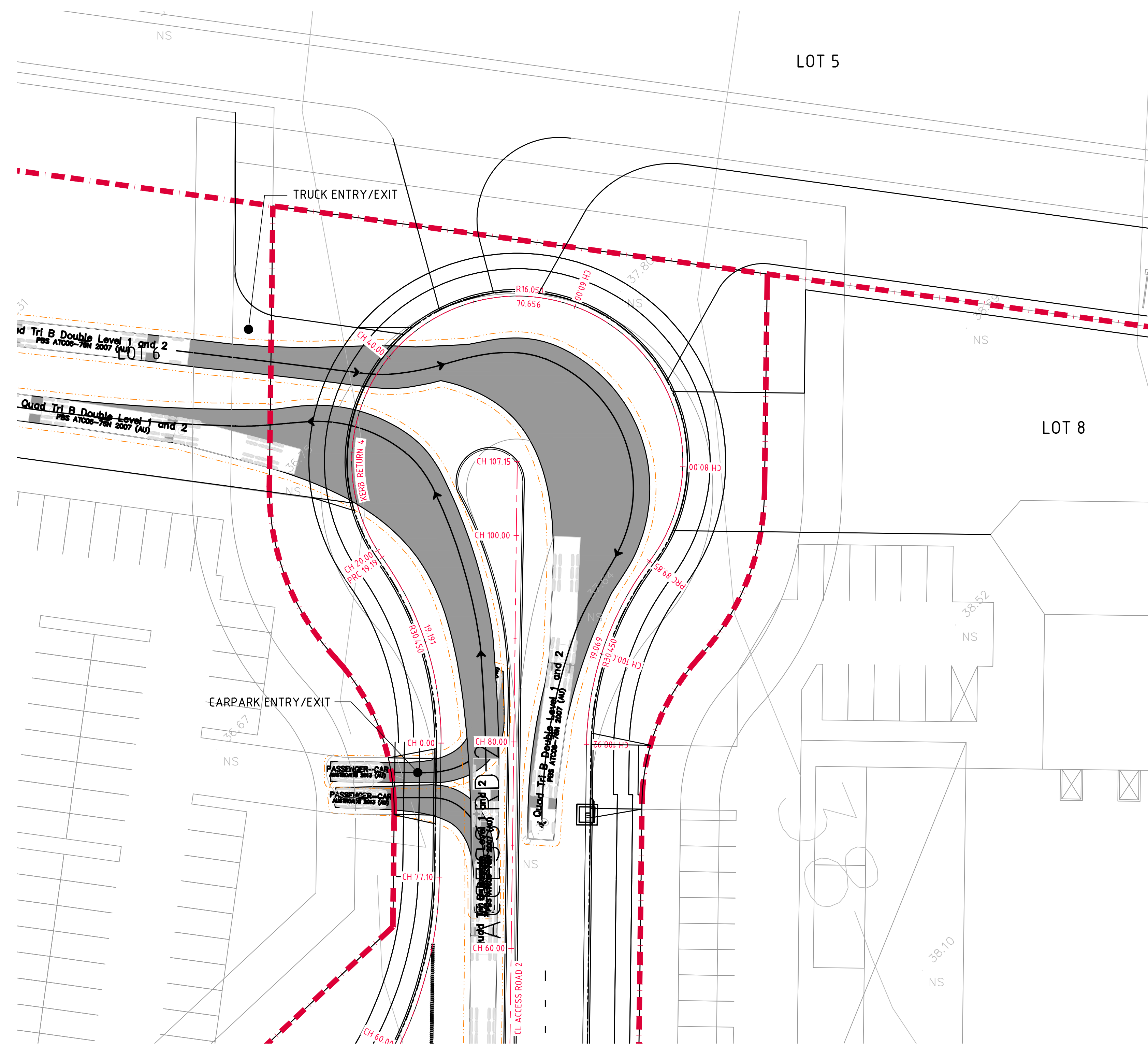
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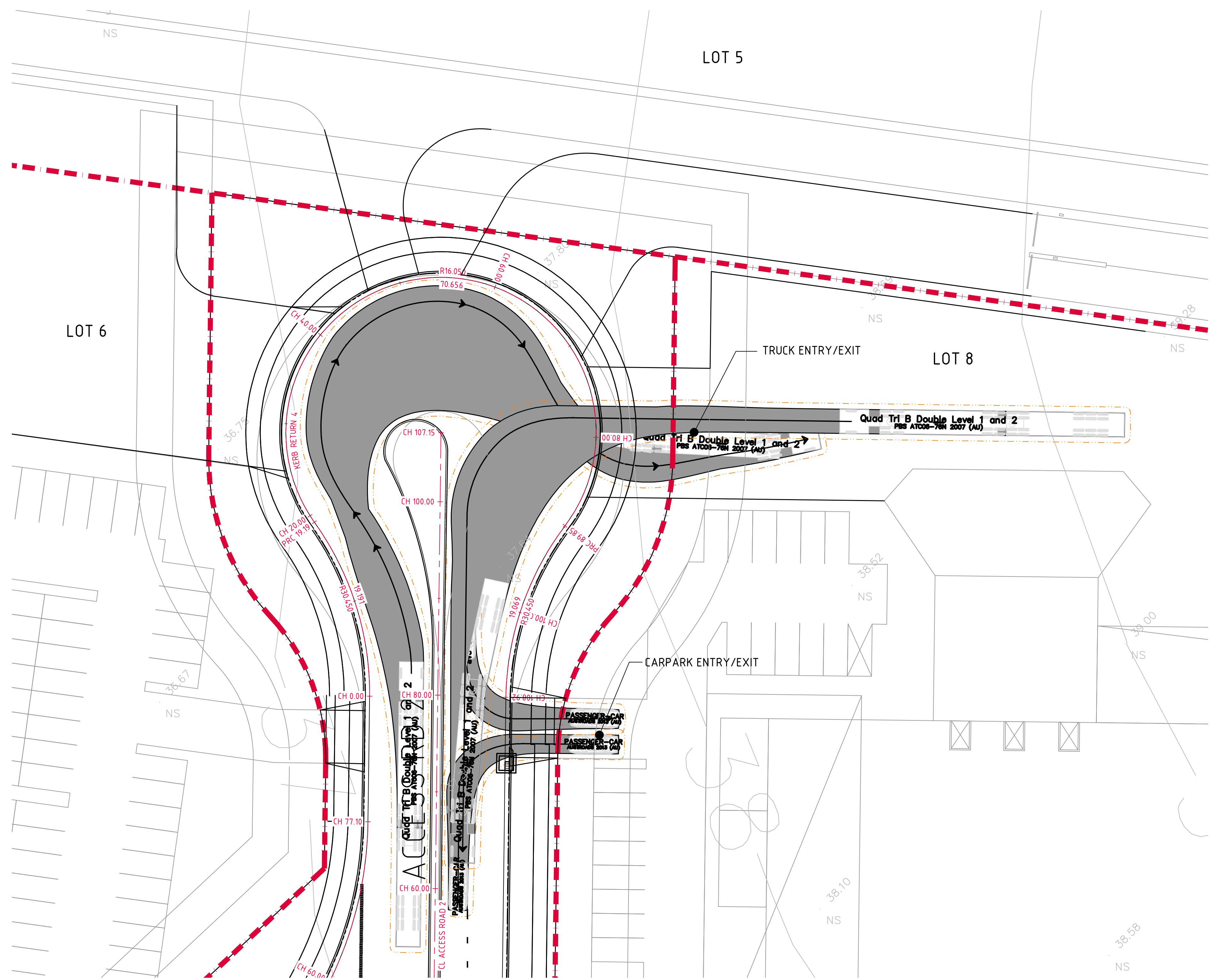
DRAWING TITLE
TURNING PATHS PLAN
SHEET 12

DRAWING NO
C013362.00-DA812

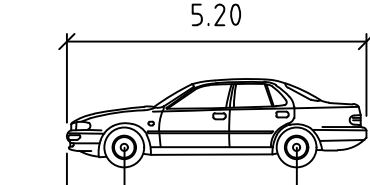
ISSUE
A



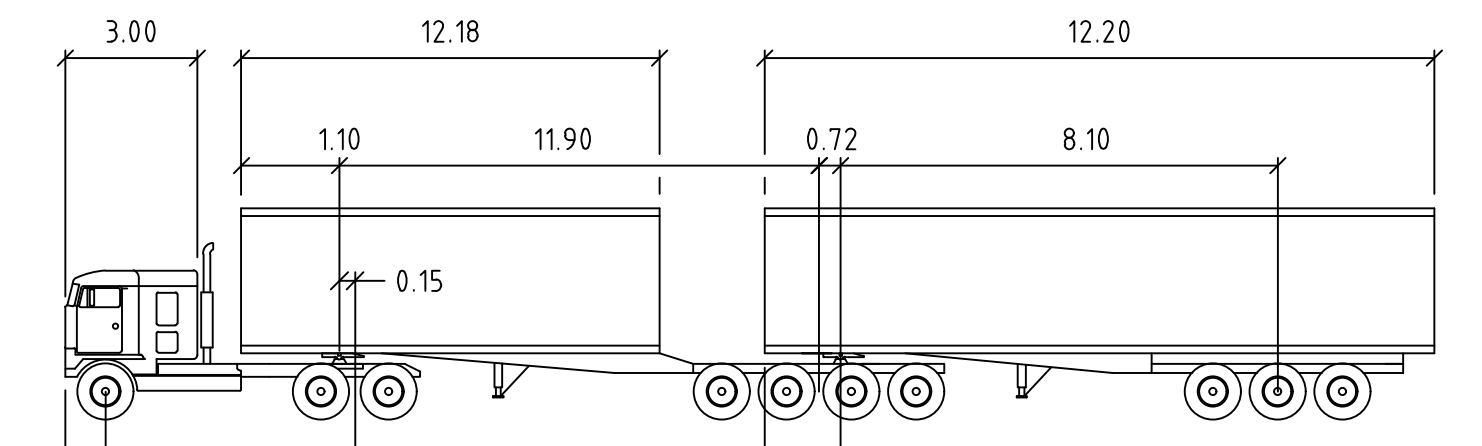
TURNING PATHS PLAN-LOT 6 ACCESS
1:250 SCALE



TURNING PATHS PLAN-LOT 8 ACCESS
1:250 SCALE



PASSENGER-CAR
N.T.S.
Width : 1.94
Track : 1.84
Lock to Lock Time : 6.0
Steering Angle : 33.6



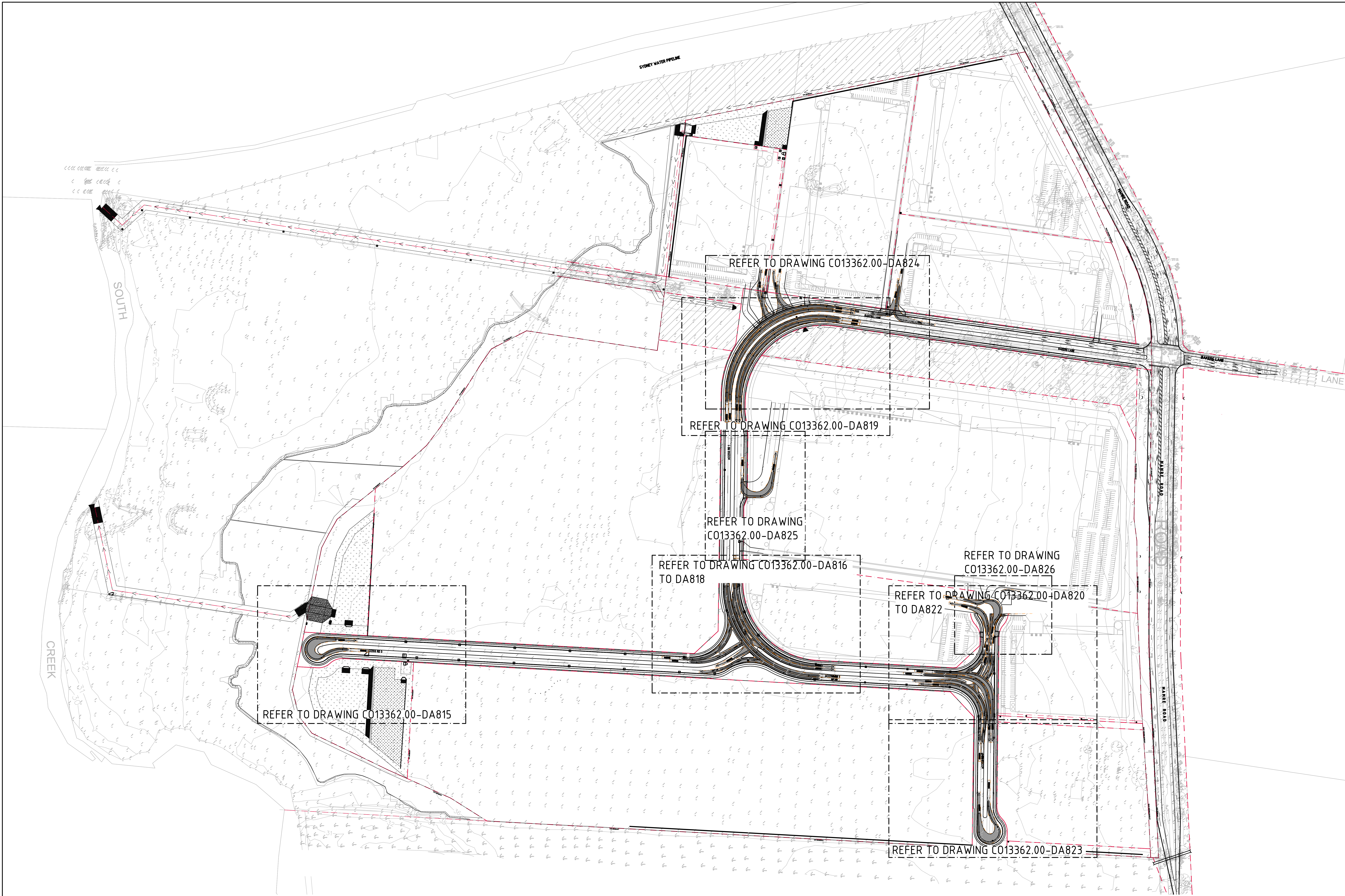
PBS QUAD TRI B-DOUBLE LEVEL 2 - 30m
N.T.S.
Tractor Width : 2.50
Tractor Length : 12.18
Tractor Track : 2.50
Trailer Width : 0.72
Trailer Length : 8.10
Trailer Track : 0.60
Lock to Lock Time : 6.0
Steering Angle : 22.7
Articulating Angle : 10.0

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

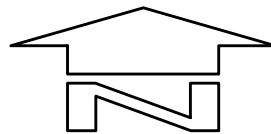
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



FOR INFORMATION ONLY



FOR INFORMATION ONLY

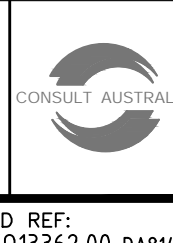


TURNING PATHS KEY PLAN
1:1500 SCALE

ISSUED FOR INFORMATION		19.10.21	A			19.10.21	A
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
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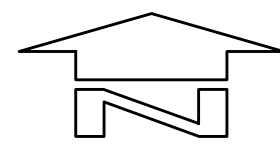
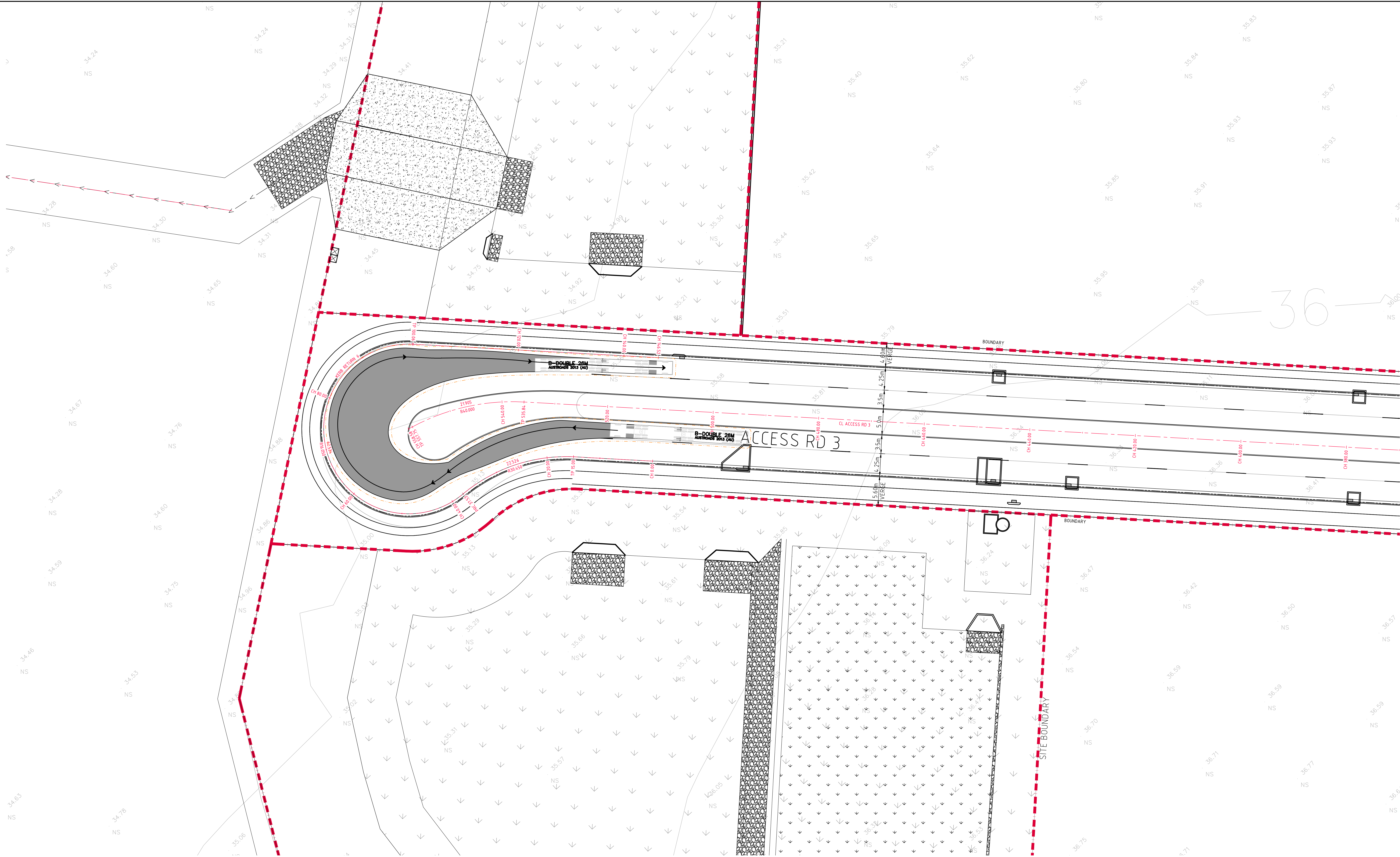
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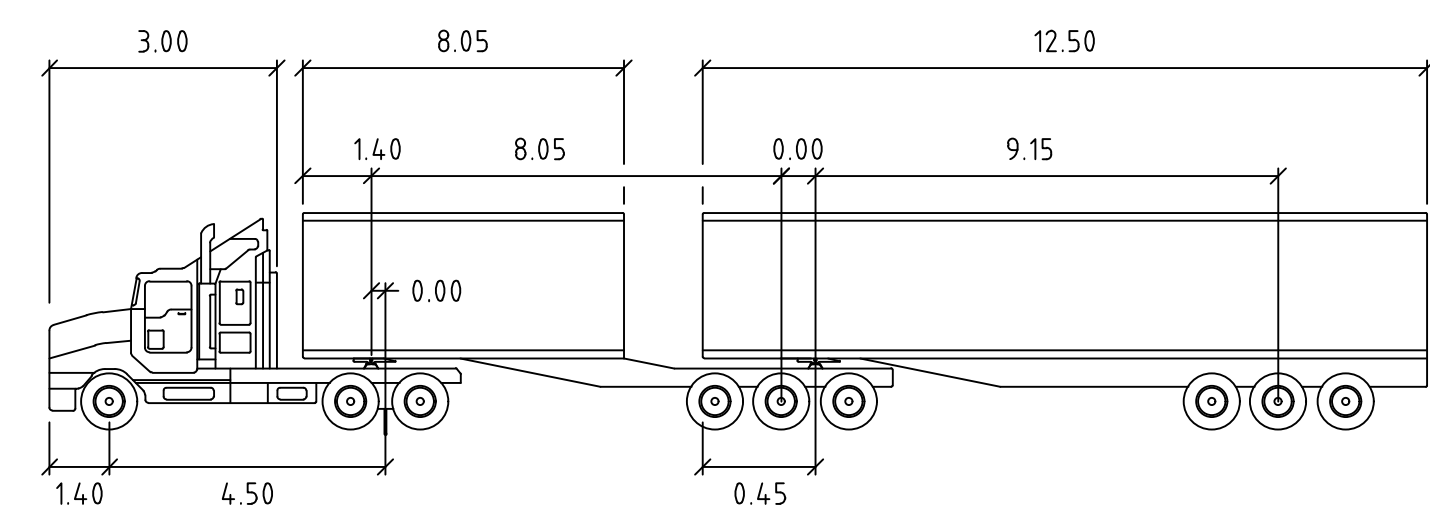
DRAWING TITLE
TURNING PATHS KEY PLAN
26M B-DOUBLE

DRAWING No
C013362.00-DA814

ISSUE
A



TURNING PATHS PLAN-ACCESS ROAD 3 CUL-DE-SAC
1:250 SCALE



B-DOUBLE - 26m
N.T.S.

Tractor Width	3.00
Trailer Width	8.05
Tractor Track	1.40
Trailer Track	4.50

Lock to Lock Time	6.0
Steering Angle	23.4
Articulating Angle	70.0

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SHEET SIZE

FOR INFORMATION ONLY

AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
ISSUED FOR INFORMATION	19.10.21	A			



PROJECT
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657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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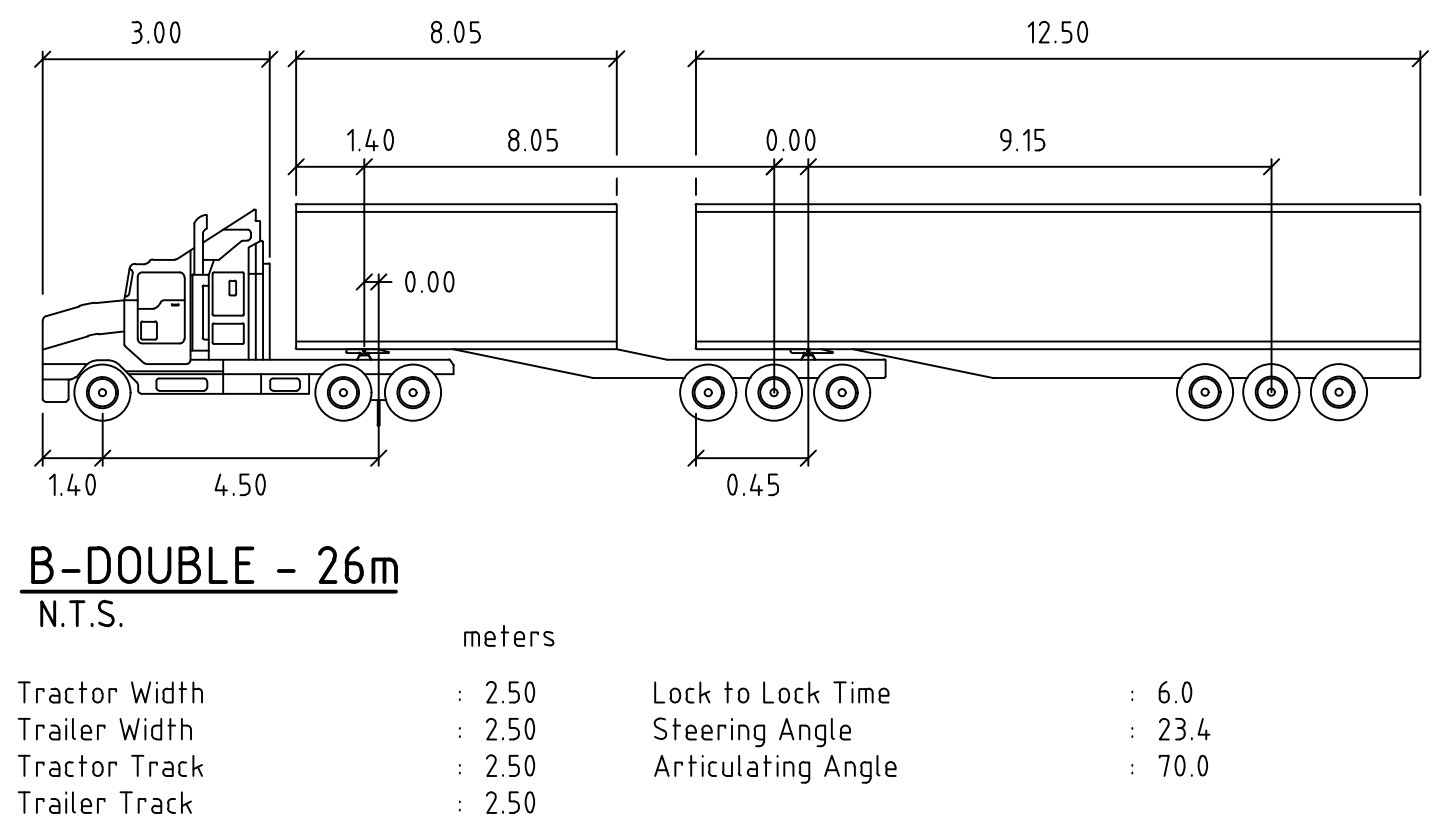
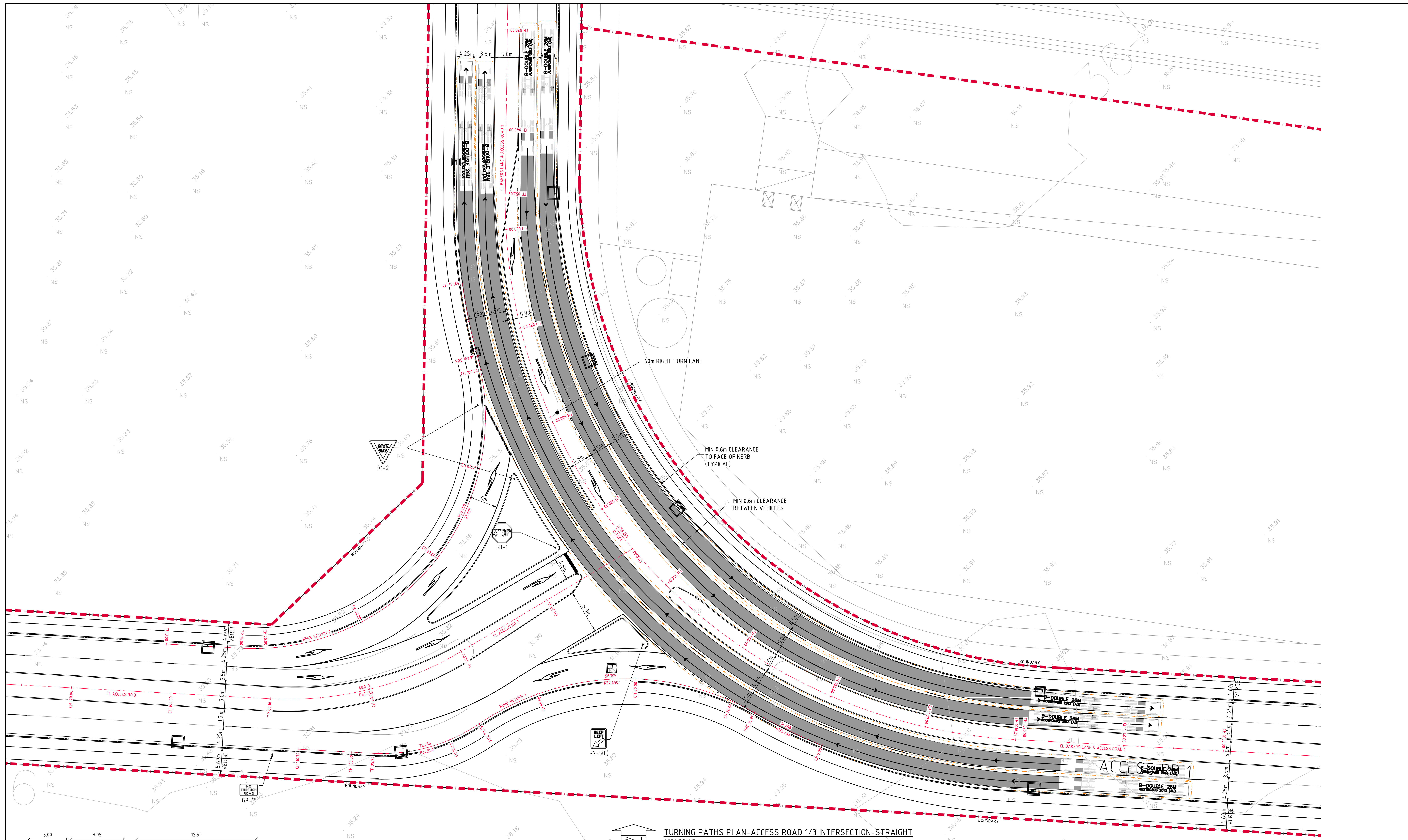
Costin Roe Consulting

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DRAWING TITLE
TURNING PATHS PLAN
SHEET 14
26m B-DOUBLE

DRAWING No. C013362.00-DA815

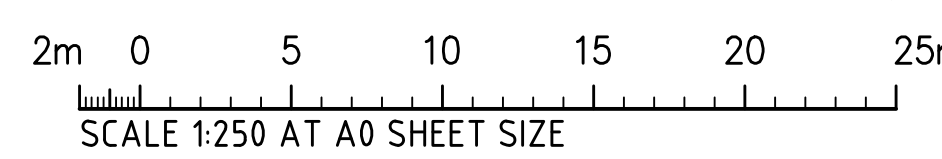
ISSUE
A



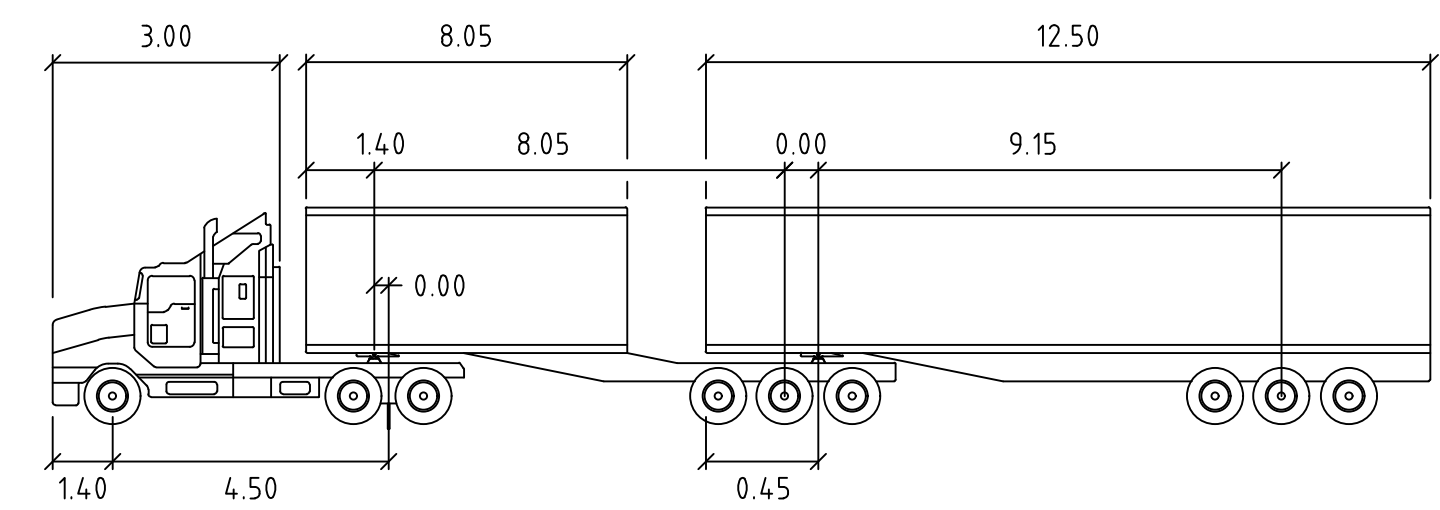
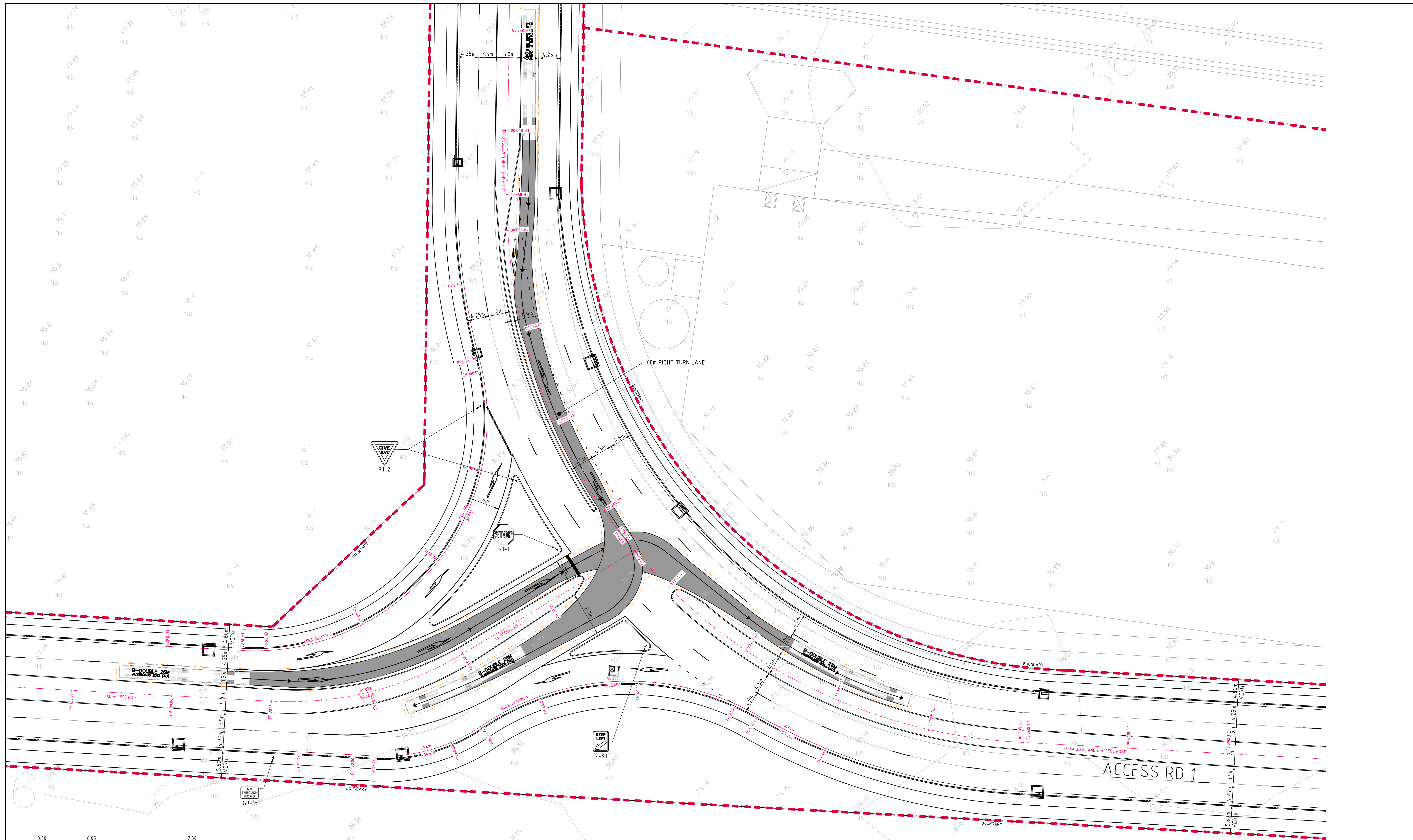
TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-STRAIGHT
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 50km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



FOR INFORMATION ONLY

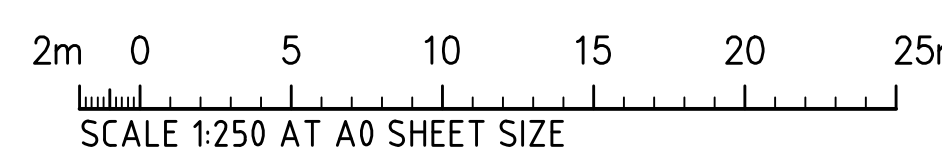


B-DOUBLE - 26m			
N.T.S.			
meters			
Tractor Width	2.50	Lock to Lock Time	6.0
Trailer Width	2.50	Steering Angle	23.4
Tractor Track	2.50	Articulating Angle	70.0
Trailer Track	2.50		

TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-RIGHT TURN
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



ISSUED FOR INFORMATION				19.10.21				A			
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE



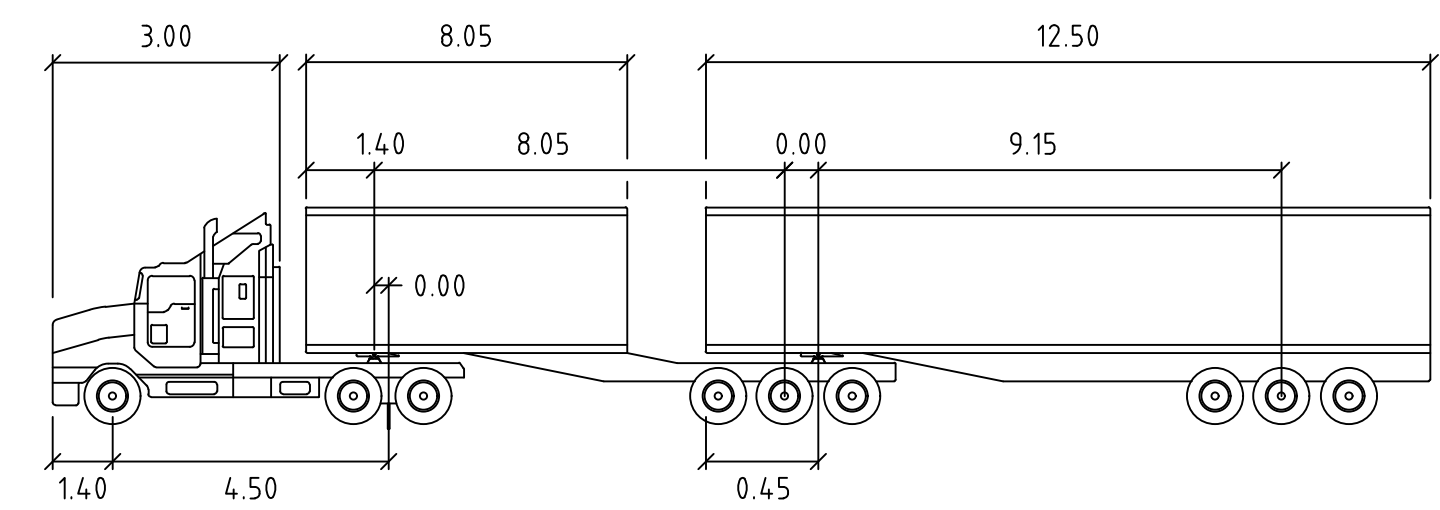
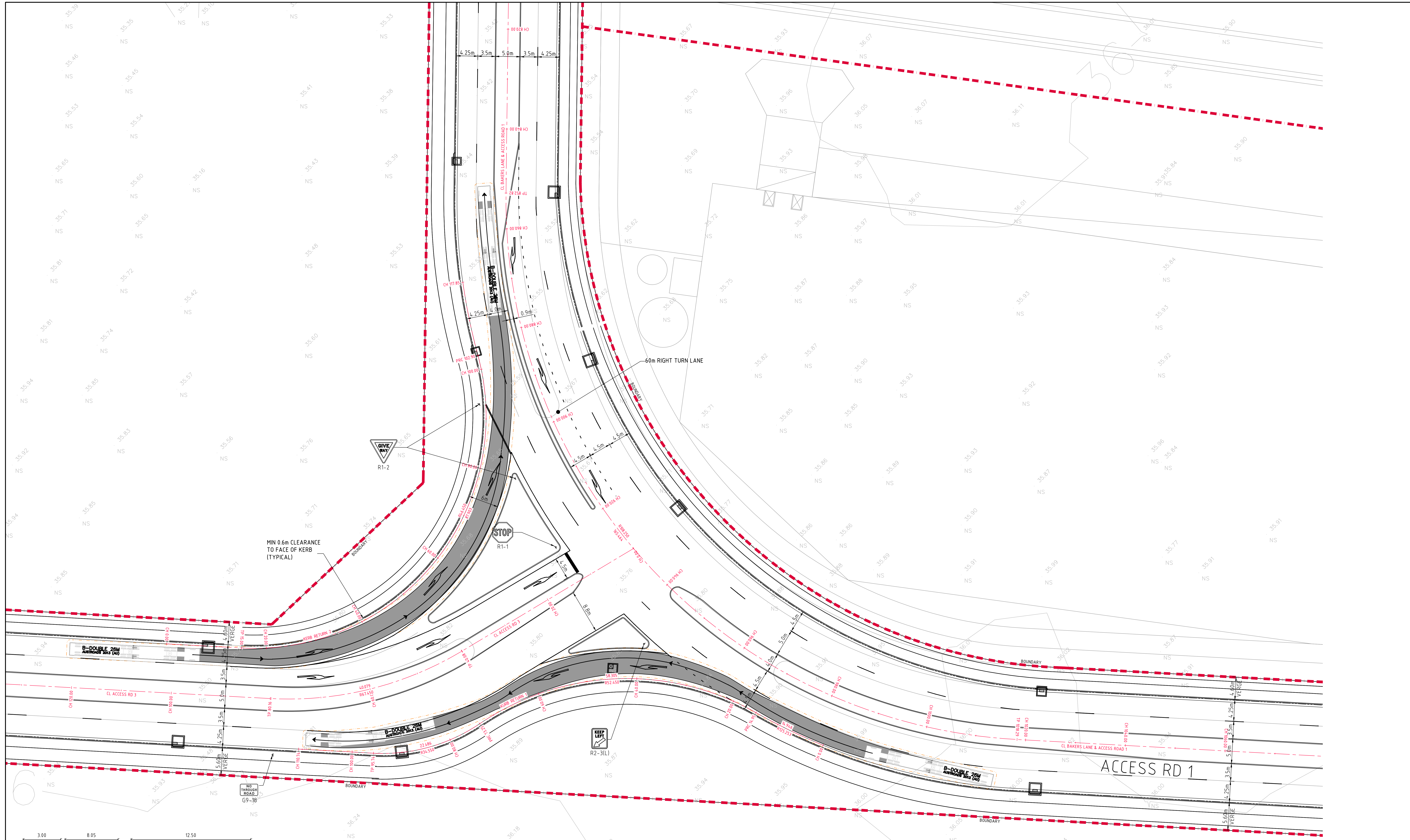
PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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DRAWING TITLE
TURNING PATHS PLAN
SHEET 16
26M B-DOUBLE
DRAWING NO. C013362.00-DA817

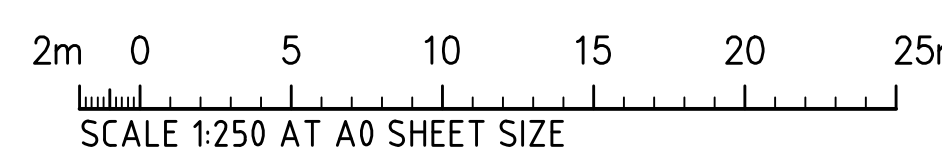


B-DOUBLE - 26m			
N.T.S.			
Tractor Width	2.50	Lock to Lock Time	6.0
Trailer Width	2.50	Steering Angle	23.4
Tractor Track	2.50	Articulating Angle	70.0
Trailer Track	2.50		

TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-LEFT TURN
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

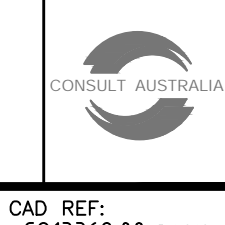


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ISSUED FOR INFORMATION				AMENDMENTS			
19.10.21				A			
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE



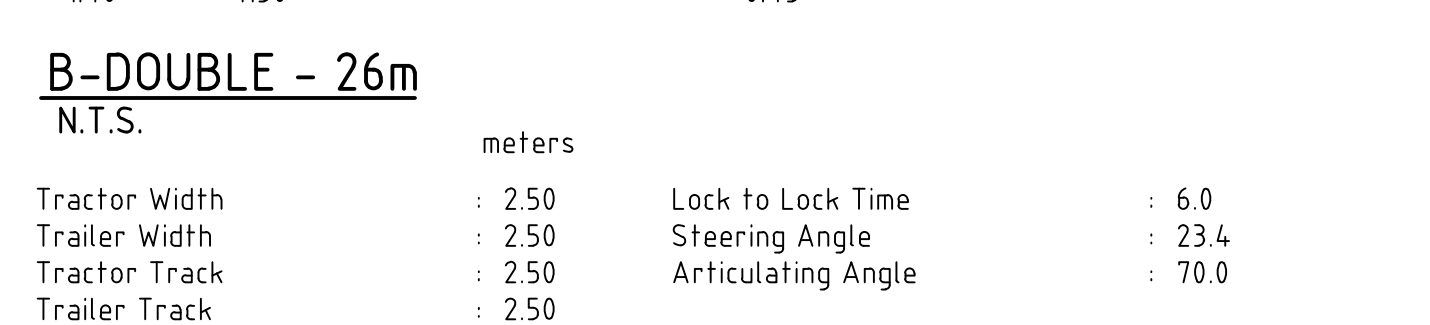
PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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DRAWING TITLE
TURNING PATHS PLAN
SHEET 17
26M B-DOUBLE
DRAWING No. C013362.00-DA818



B-DOUBLE - 26m
N.T.S.

Tractor Width	: 250	Lock to Lock Time	: 6.0
Trailer Width	: 250	Steering Angle	: 23.4
Tractor Track	: 250	Articulating Angle	: 70.0
Trailer Track	: 250		

TURNING PATHS PLAN-ACCESS ROAD 1-BEND
1:250 SCALE

SEQUENCE 1 NOTE:
ACCESS TO LOTS 1-4 TO BE VIA LEFT IN/LEFT OUT TURNING
MOVEMENT ONLY

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 50km/h.

———— VEHICLE BODY PATH

----- VEHICLE BODY PATH
600mm CLEARANCE



FOR INFORMATION ONLY

[illegible]

PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK 2178 NSW



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Level 1, 8 Windmill Street
Walsh Bay, Sydney NSW 2000
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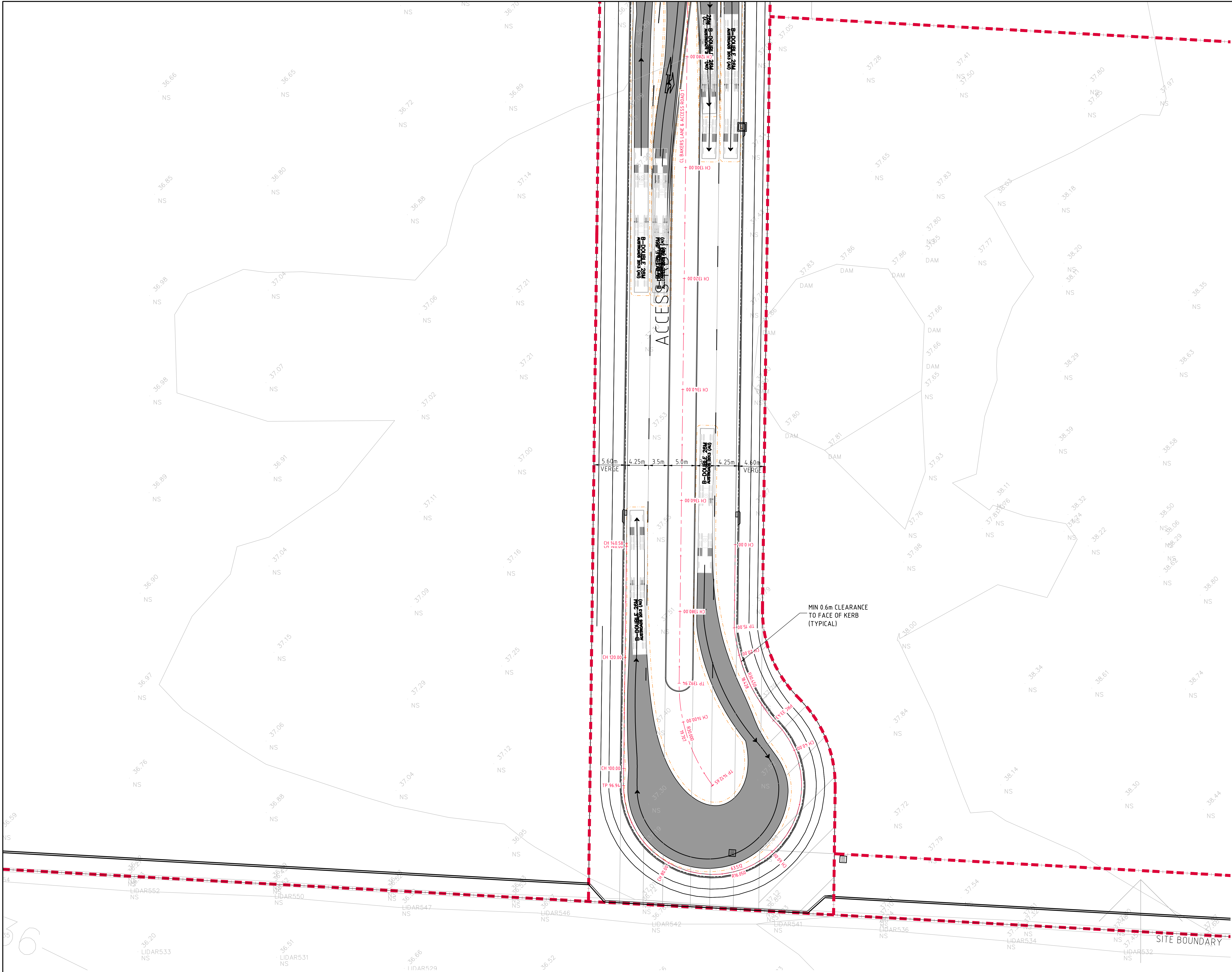
Costin Roe Consulting

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DRAWING TITLE
TURNING PATHS PLAN
SHEET 18
26M B-DOUBLE

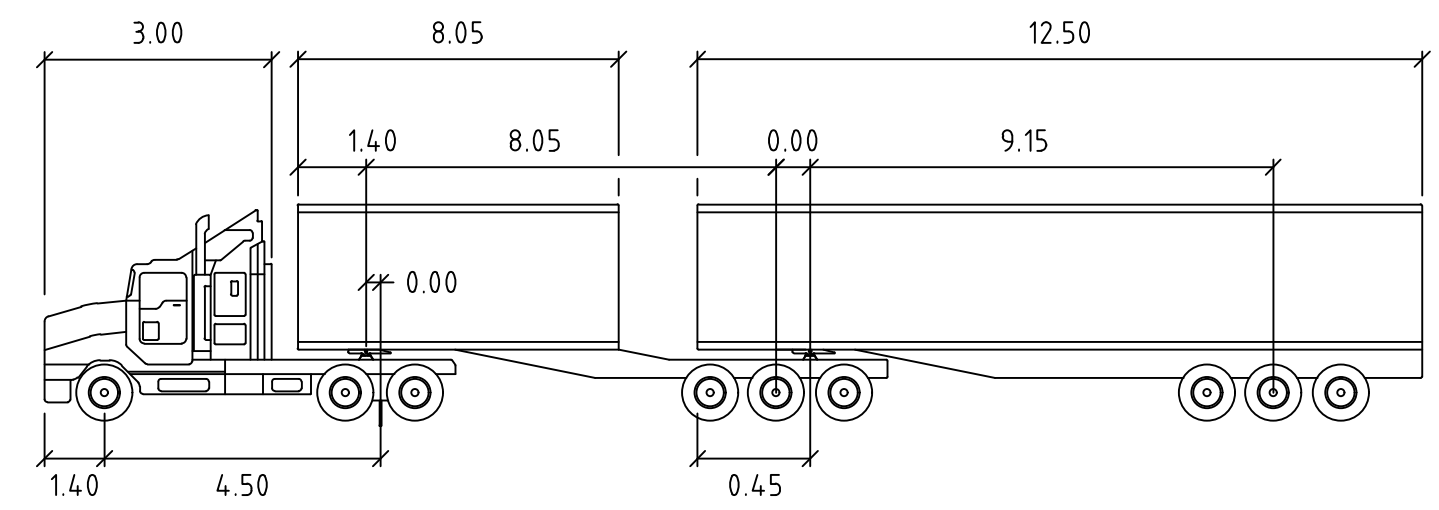
DRAWING No	C013362.00 DA819	ISSUE	1
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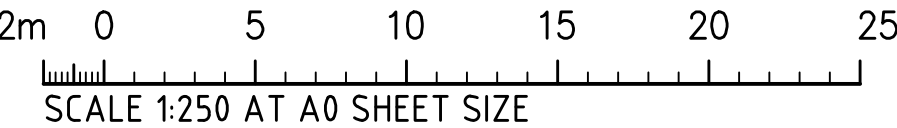


NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK VEHICLE TRACKING.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

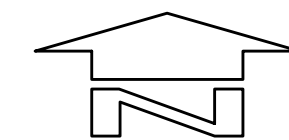
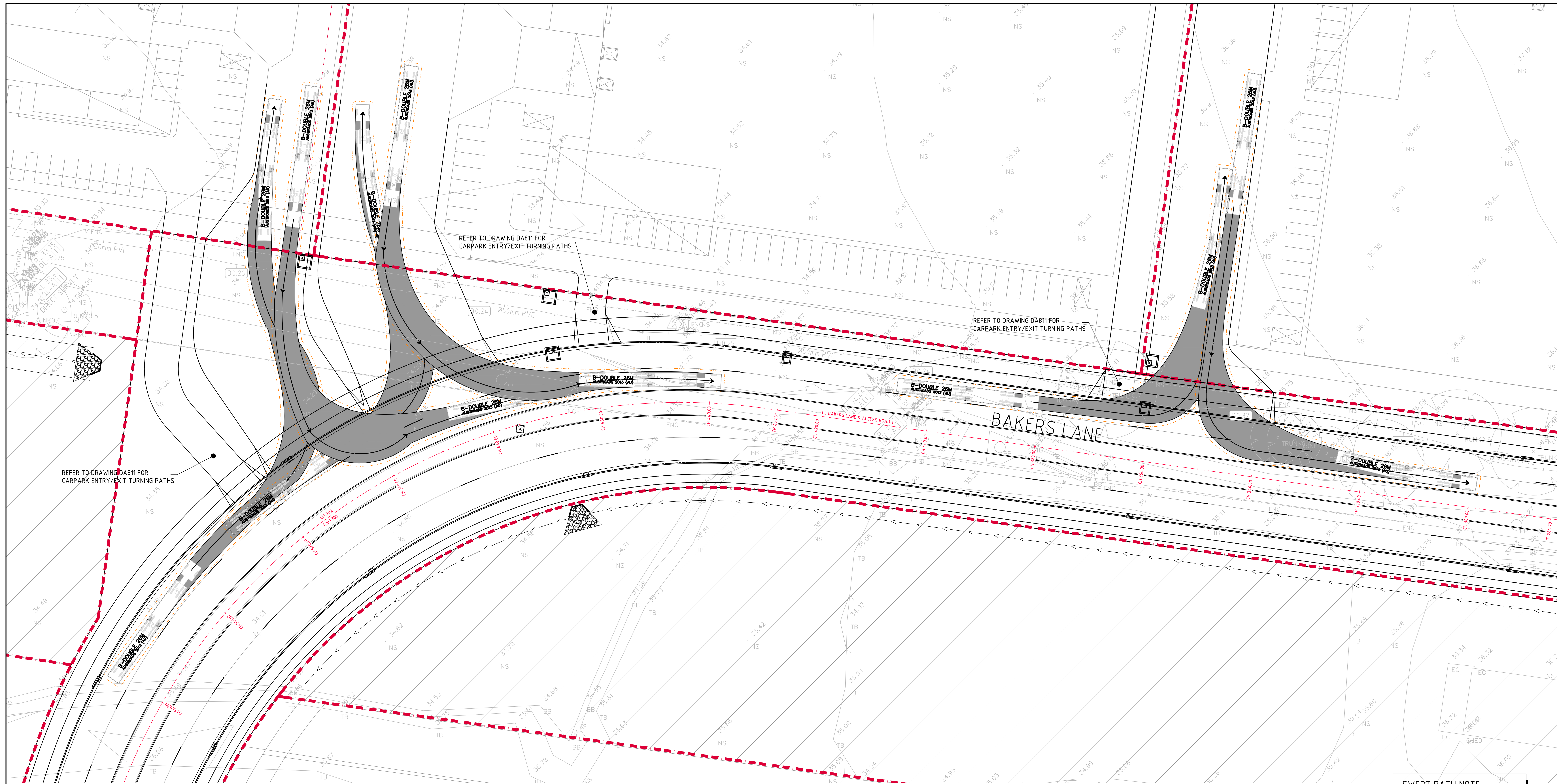
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



B-DOUBLE - 26m N.T.S.			
	metres		
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 23.4
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



FOR INFORMATION ONLY



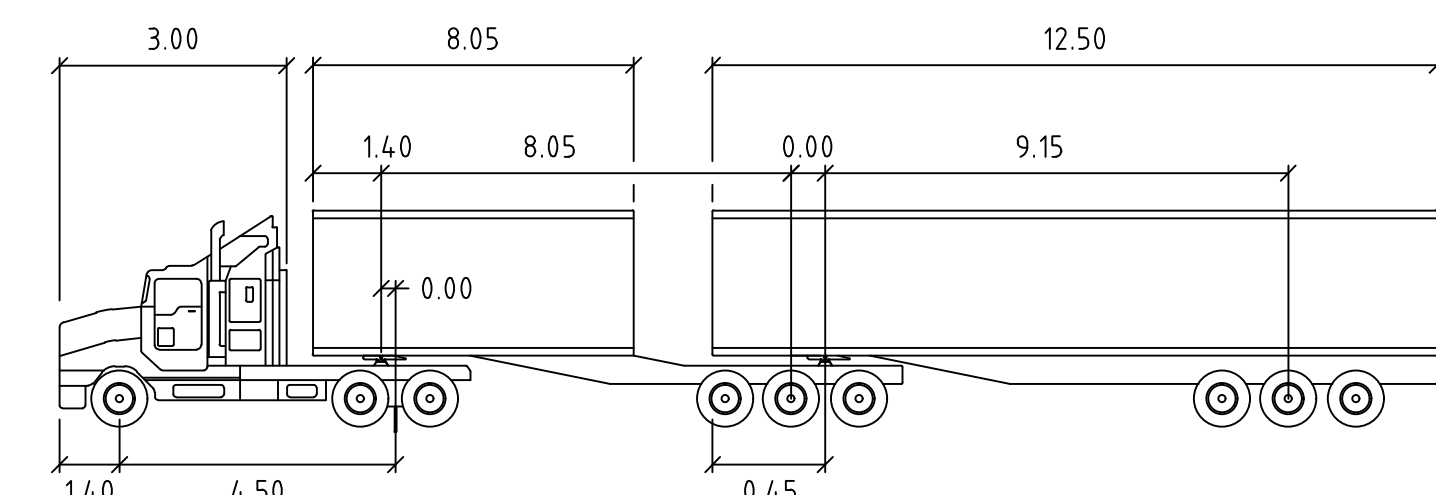
TURNING PATHS PLAN-LOT 4 ACCESS
1:250 SCALE

SEQUENCE 1 NOTE:
ACCESS TO LOTS 1-4 TO BE VIA LEFT IN/LEFT OUT TURNING MOVEMENT ONLY

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTODESK VEHICLE TRACKING. THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

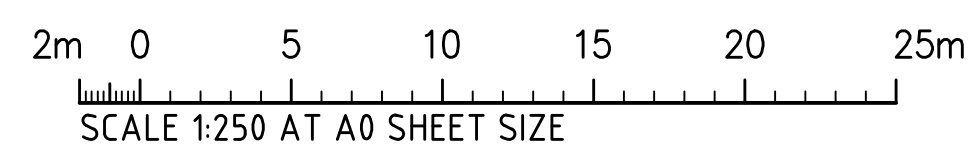
SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.

—	VEHICLE BODY PATH
- - - - -	VEHICLE BODY PATH 600mm CLEARANCE

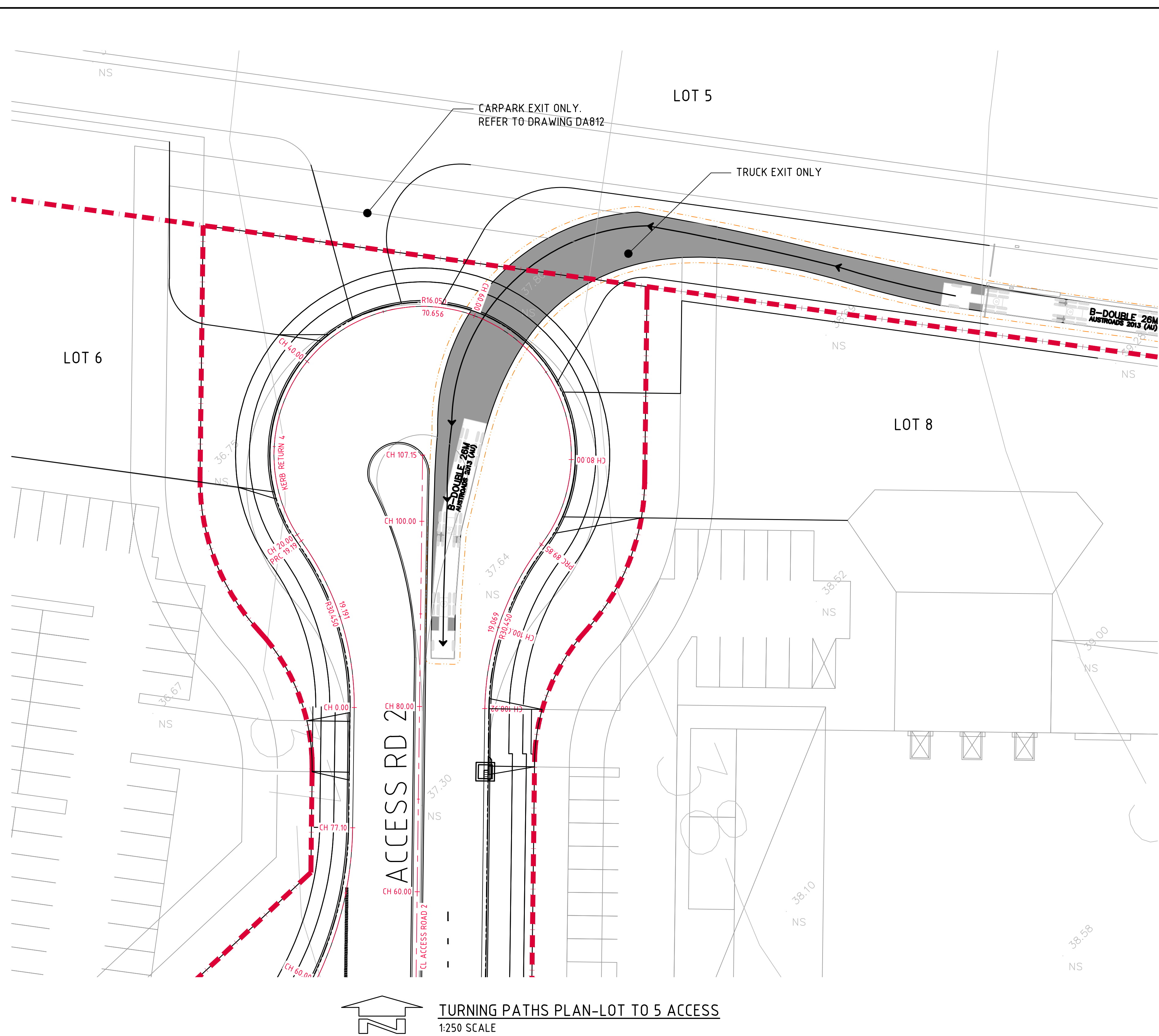


B-DOUBLE - 26m
N.T.S.

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 23.4
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



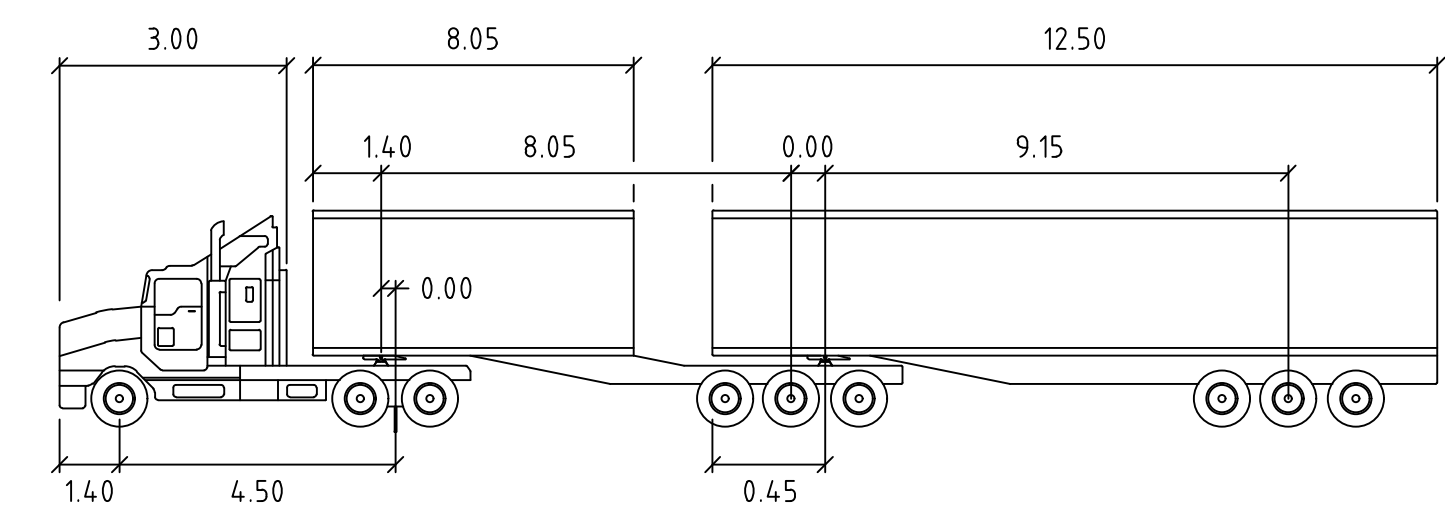
FOR INFORMATION ONLY



NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK VEHICLE TRACKING.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTROADS & AS2890.

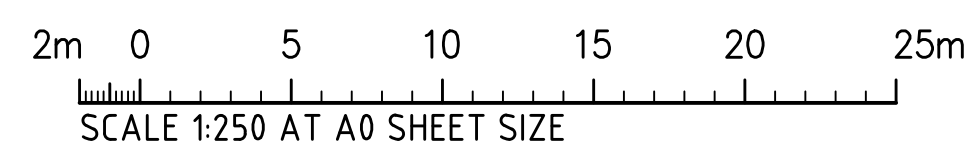
SWEEP PATH NOTE:
SWEEP PATH RUN SPEED 15km/h.

———— VEHICLE BODY PATH
----- VEHICLE BODY PATH
600mm CLEARANCE



B-DOUBLE - 26m
N.T.S.

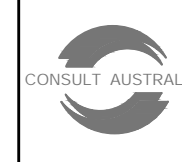
N.T.S.	meters		
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 23.4
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



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AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



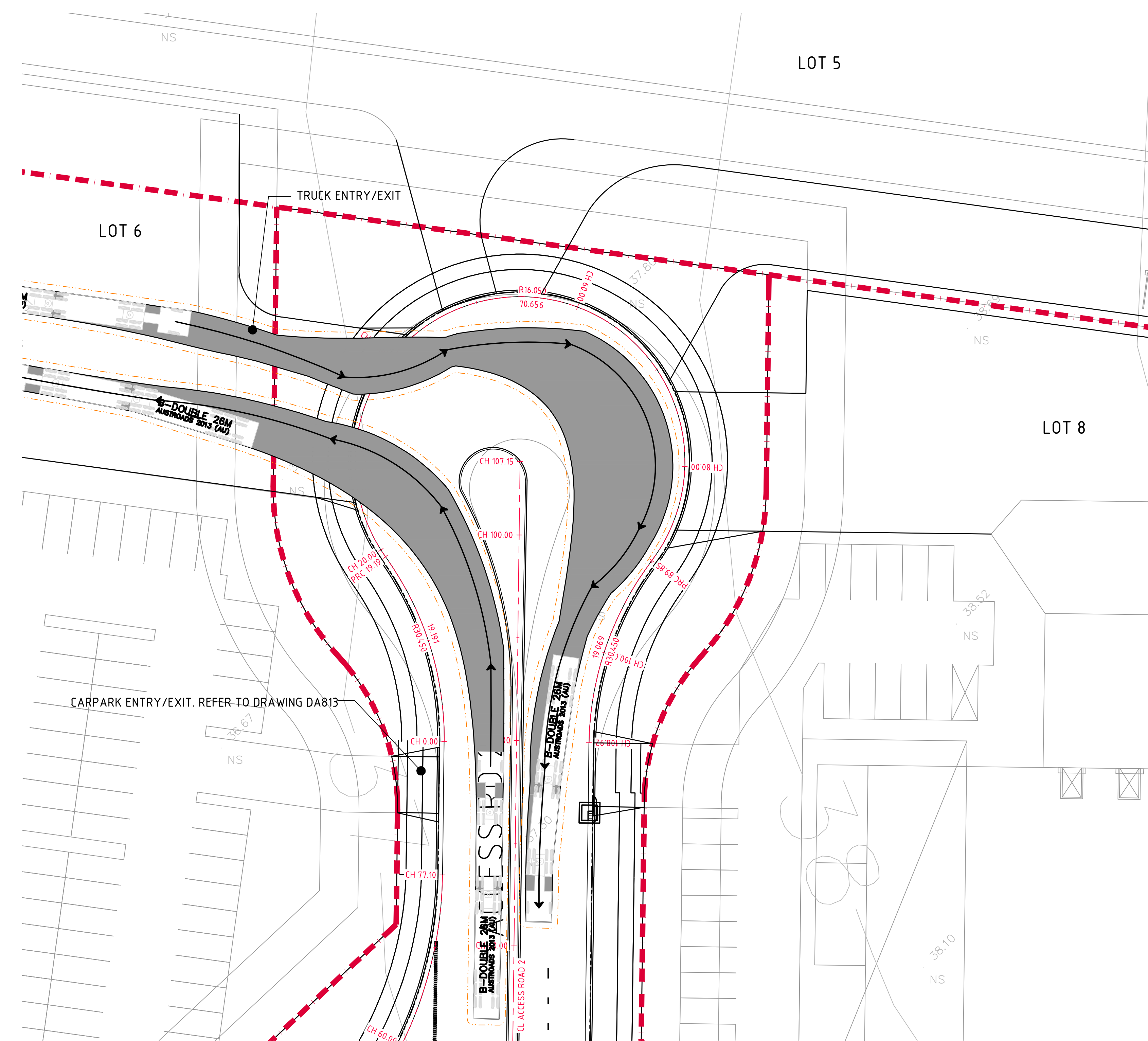
Costin Roe Consulting Pty Ltd.
Consulting Engineers ACN 002 895 445
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Walsh Bay, Sydney NSW 2000
Tel: (02) 9251-7899 Fax: (02) 9241-3731
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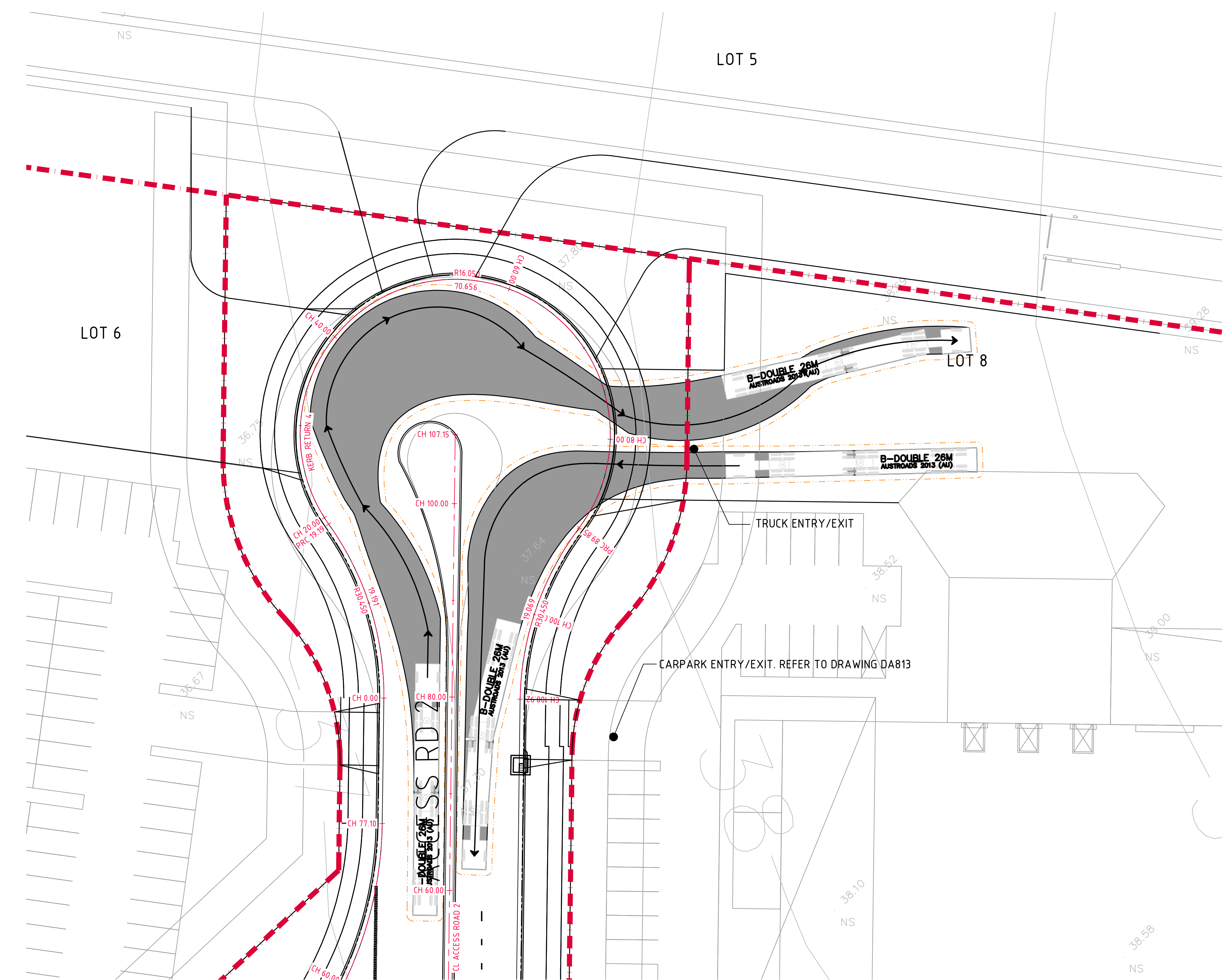
PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 24
26M B-DOUBLE

DRAWING No	C013362 00-DA825	ISSUE	A
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TURNING PATHS PLAN-LOT TO 6 ACCESS
1:250 SCALE



TURNING PATHS PLAN-LOT TO 8 ACCESS
1:250 SCALE

NOTE:

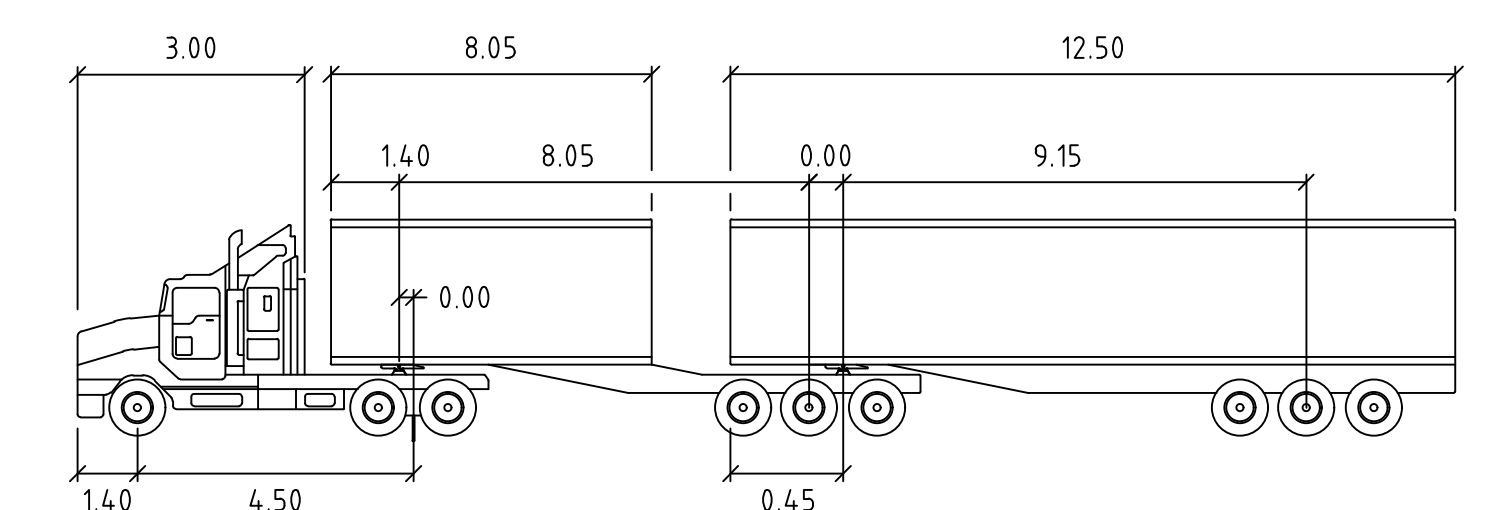
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING
COMPUTER SOFTWARE AUTODESK VEHICLE TRACKING.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA
PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.

SWEPT PATH NOTE:

SWEPT PATH RUN SPEED 15km/h.

VEHICLE BODY PATH

VEHICLE BODY PATH
600mm CLEARANCE



B-DOUBLE - 26m
NTS

N.T.S. meters

Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50

Trailer Track : 2.50

2m

Lock to Lock Time : 6.0

Steering Angle : 23.4
Articulation Angle : 70.0

Articulating Angle : 70.0

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SHEET SIZE

SCALE 1:250 AT A0 SHEET SIZE

FOR INFORMATION ONLY

ISSUED FOR INFORMATION			19.10.21			A		
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE



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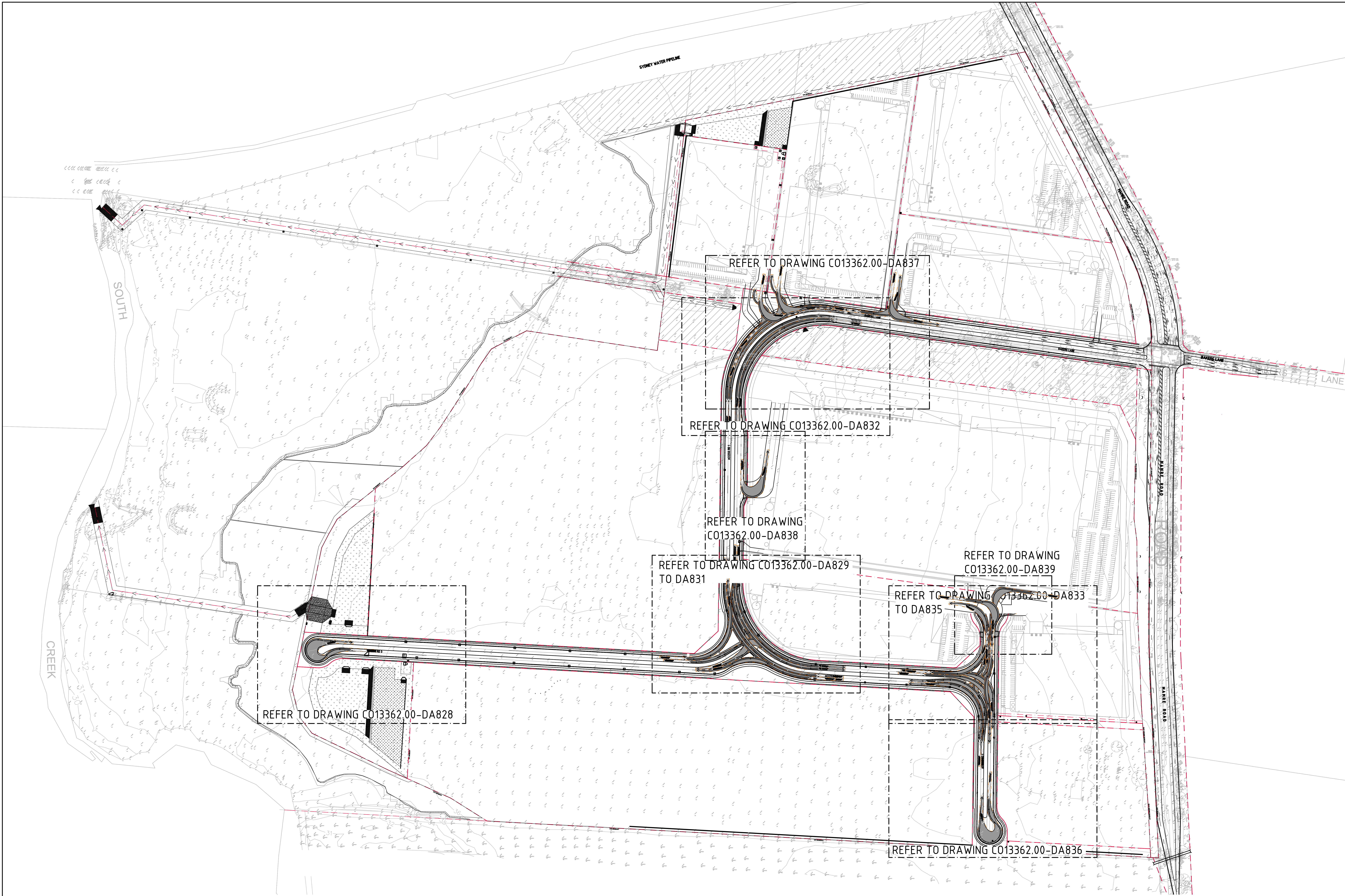
PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 25
26M B-DOUBLE

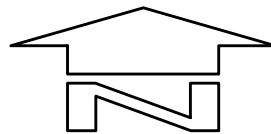
DRAWING No C013362 00-DA826

C013362 00-DA826

E



FOR INFORMATION ONLY



TURNING PATHS KEY PLAN
1:1500 SCALE

ISSUED FOR INFORMATION	28.10.21	A	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE

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PROPERTY PARTNERS

CLIENT
FRASERS
PROPERTY

PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW

DESIGNED: DRAWN: DATE: CHECKED: SIZE: SCALE: CAD REF:
MW MC APRIL '18 MW A0 AS SHOWN C013362.00-DA827



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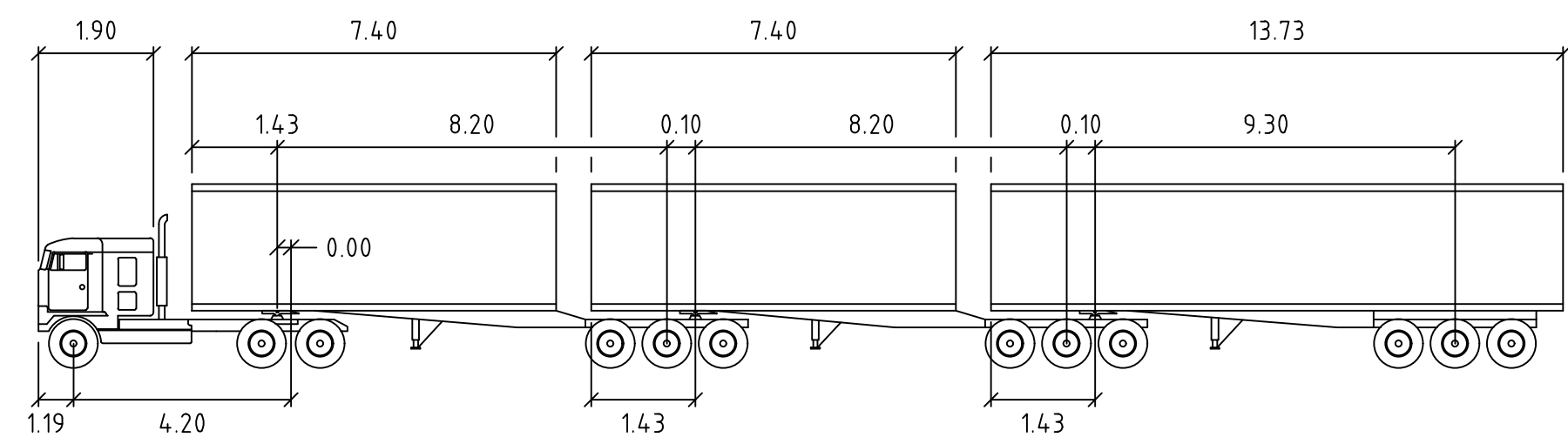
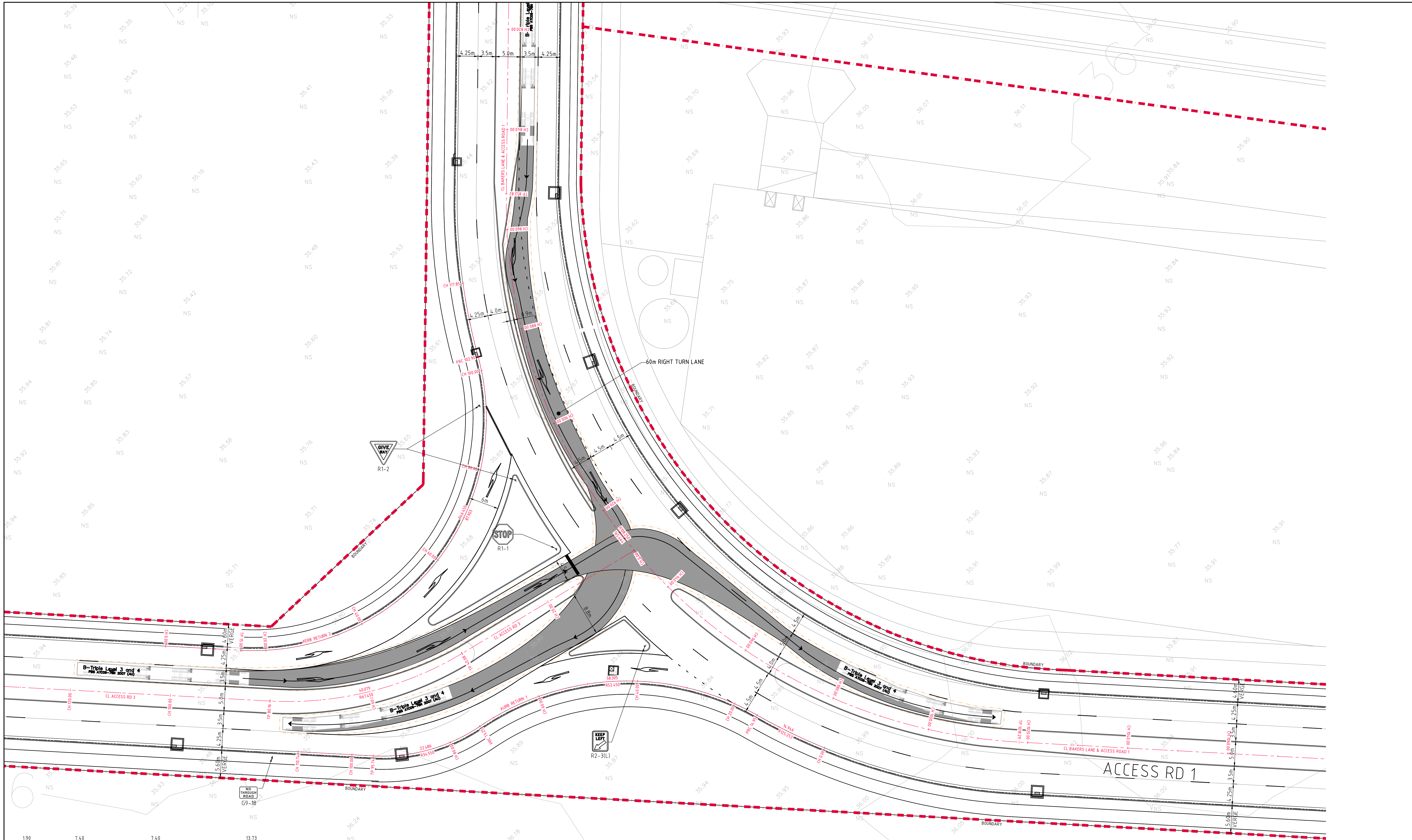
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PRECISION | COMMUNICATION | ACCOUNTABILITY

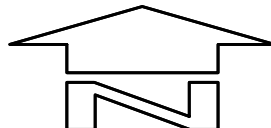
DRAWING TITLE
TURNING PATHS KEY PLAN
36m B-TRIPLE

DRAWING No. C013362.00-DA827

ISSUE
A



B-TRIPLE LEVEL 3 AND 4			
N.T.S.			
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 18.2
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



TURNING PATHS PLAN-ACCESS ROAD 1/3 INTERSECTION-RIGHT TURN
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRADO & AS2890.
B-TRIPLE TURNING PATHS PROVIDED AS CHECK VEHICLE ONLY. DESIGN BASED ON 30M B-DOUBLE

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



FOR INFORMATION ONLY

ISSUED FOR INFORMATION			
AMENDMENTS	DATE	ISSUE	AMENDMENTS
	28.10.21	A	



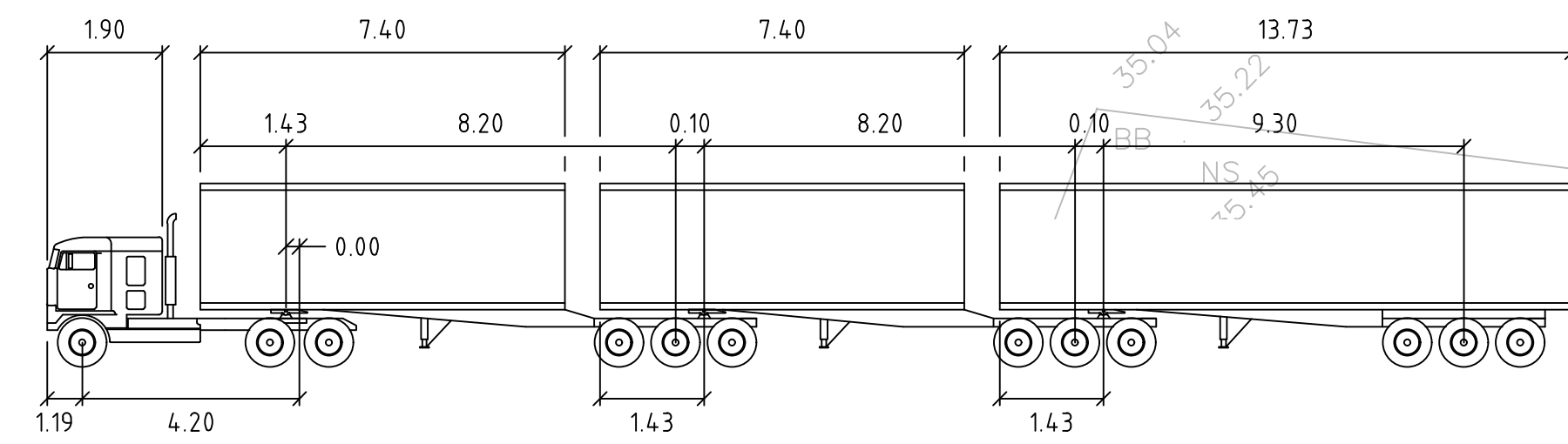
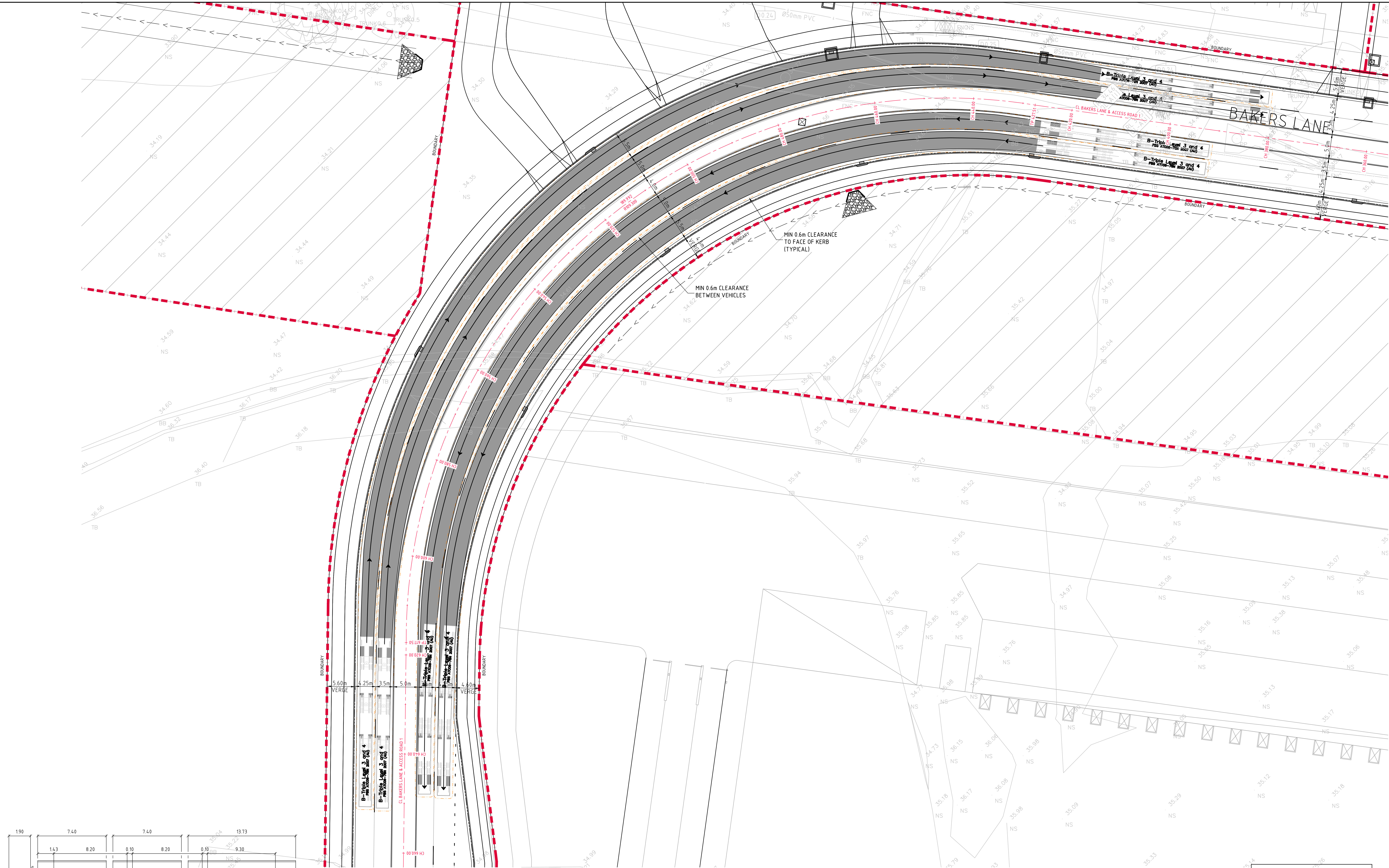
PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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DRAWING TITLE
TURNING PATHS PLAN
SHEET 29
36m B-TRIPLE
DRAWING NO
C013362.00-DA830



B-TRIPLE LEVEL 3 AND 4			
N.T.S.			
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 18.2
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

TURNING PATHS PLAN-ACCESS ROAD 1-BEND
1:250 SCALE

SEQUENCE 1 NOTE:
ACCESS TO LOTS 1-4 TO BE VIA LEFT IN/LEFT OUT TURNING
MOVEMENT ONLY

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER
SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY
THE SOFTWARE FOR AUSTRROADS & AS2890.
B-TRIPLE TURNING PATHS PROVIDED AS CHECK VEHICLE ONLY. DESIGN
BASED ON 30M B-DOUBLE

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 50km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE

FOR INFORMATION ONLY



ISSUED FOR INFORMATION		28.10.21	A
AMENDMENTS	DATE	ISSUE	AMENDMENTS



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



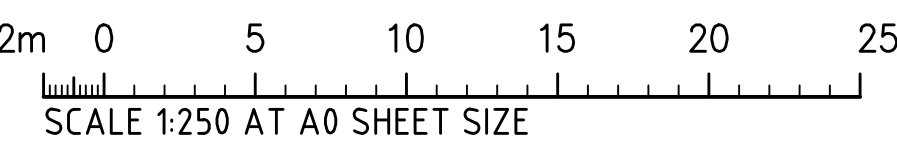
Costin Roe Consulting Pty Ltd.
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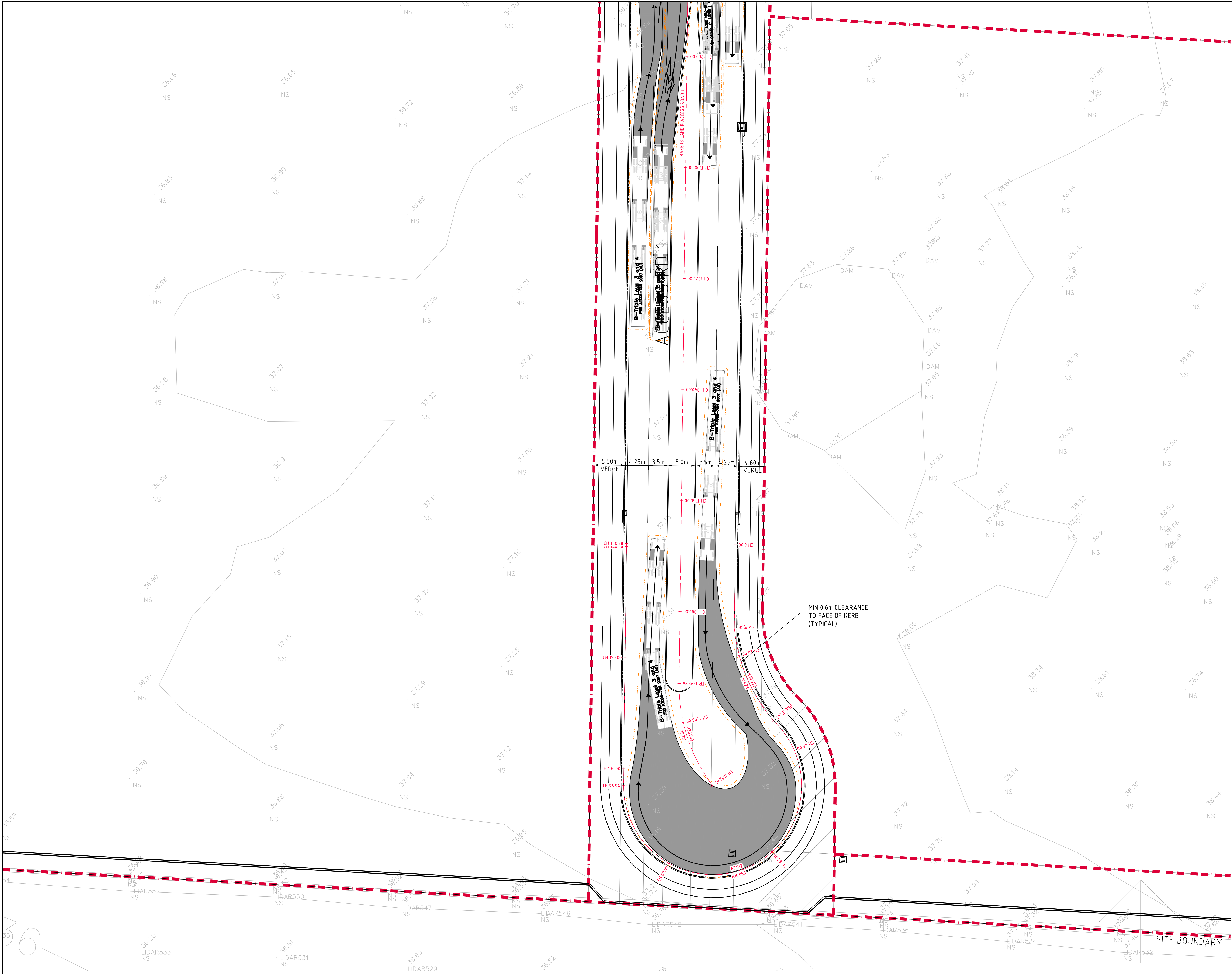
DRAWING TITLE
TURNING PATHS PLAN
SHEET 31
36m B-TRIPLE
DRAWING NO
C013362.00-DA832

ISSUE
A



DRAWING No C013362 00-DA834

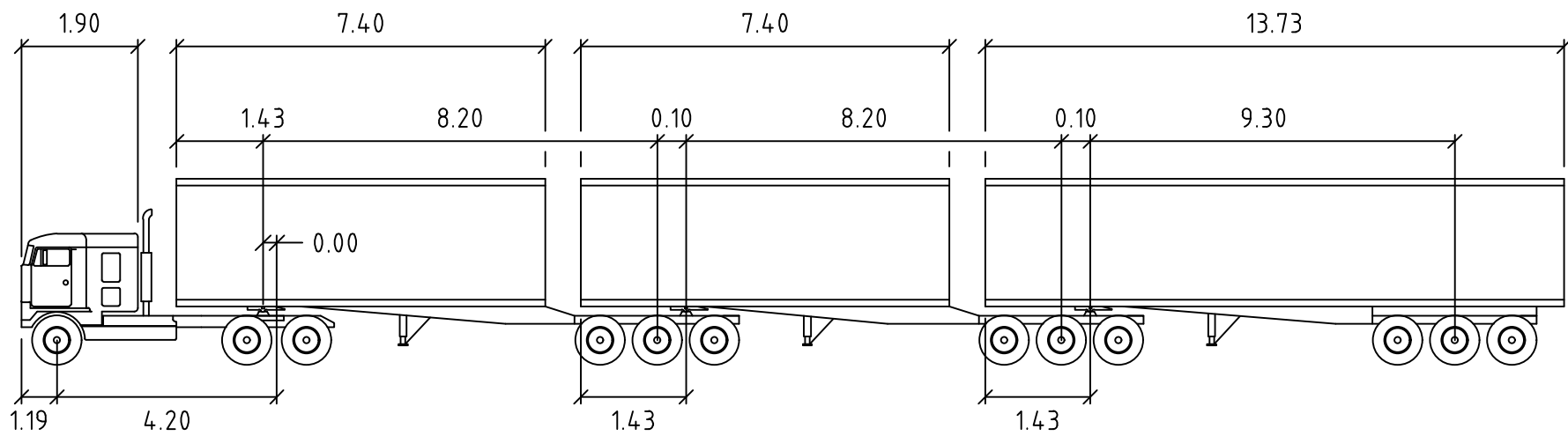




TURNING PATHS PLAN-ACCESS ROAD 1 CUL-DE-SAC
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRROADS & AS2890.
B-TRIPLE TURNING PATHS PROVIDED AS CHECK VEHICLE ONLY. DESIGN BASED ON 30M B-DOUBLE

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.
— VEHICLE BODY PATH
- - - VEHICLE BODY PATH 600mm CLEARANCE



B-TRIPLE LEVEL 3 AND 4
N.T.S.

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 18.2
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		



FOR INFORMATION ONLY

ISSUED FOR INFORMATION	28.10.21	A
AMENDMENTS	DATE	ISSUE



PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
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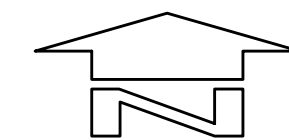
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PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE
TURNING PATHS PLAN
SHEET 35
36m B-TRIPLE

DRAWING No. C013362.00-DA836

ISSUE
A



TURNING PATHS PLAN-LOT TO 4 ACCESS
1:250 SCALE

SEQUENCE 1 NOTE:

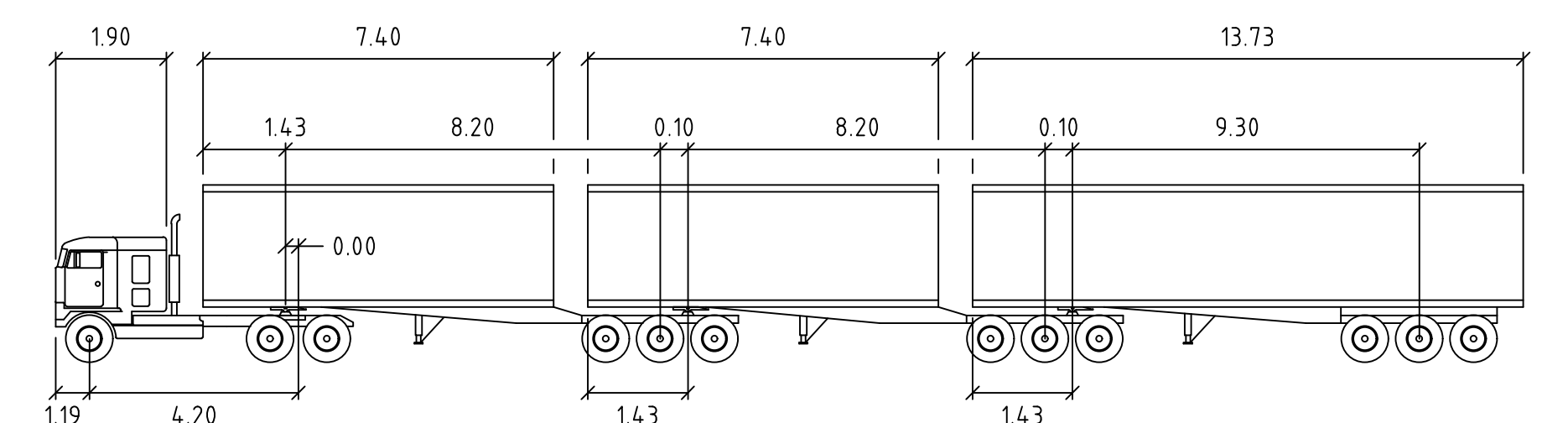
ACCESS TO LOTS 1-4 TO BE VIA LEFT IN/LEFT OUT TURNING
MOVEMENT ONLY

SWEPT PATH NOTE:

SWEPT PATH RUN SPEED 15km/h.

VEHICLE BODY PATH

VEHICLE BODY PATH
600mm CLEARANCE



B-TRIPLE LEVEL 3 AND 4
N.T.S.

	Tractor Width	: 2.50	Lock to Lock Time	: 6.0
	Trailer Width	: 2.50	Steering Angle	: 18.2
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SHEET SIZE

FOR INFORMATION ONLY

[illegible]

PROJECT
MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW

DESIGNED MLW	DRAWN MC	DATE APRIL '18	CHECKED MLW	SIZE A0	SCALE AS SHOWN	CAD REF: C013362 00-DAB
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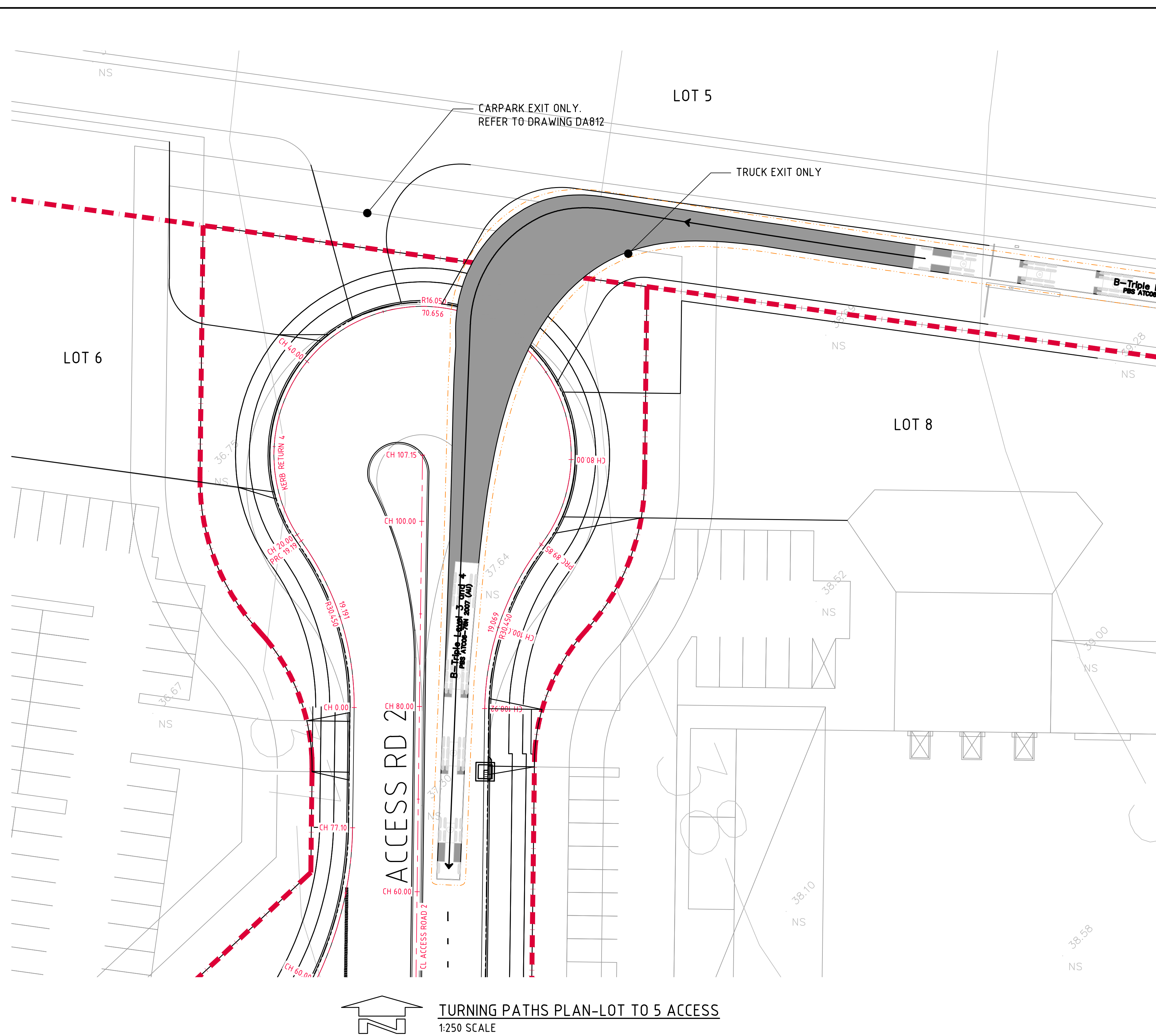
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DRAWING TITLE
TURNING PATHS PLAN
SHEET 36
36m B-TRIPLE

DRAWING No C013362 00-DA837

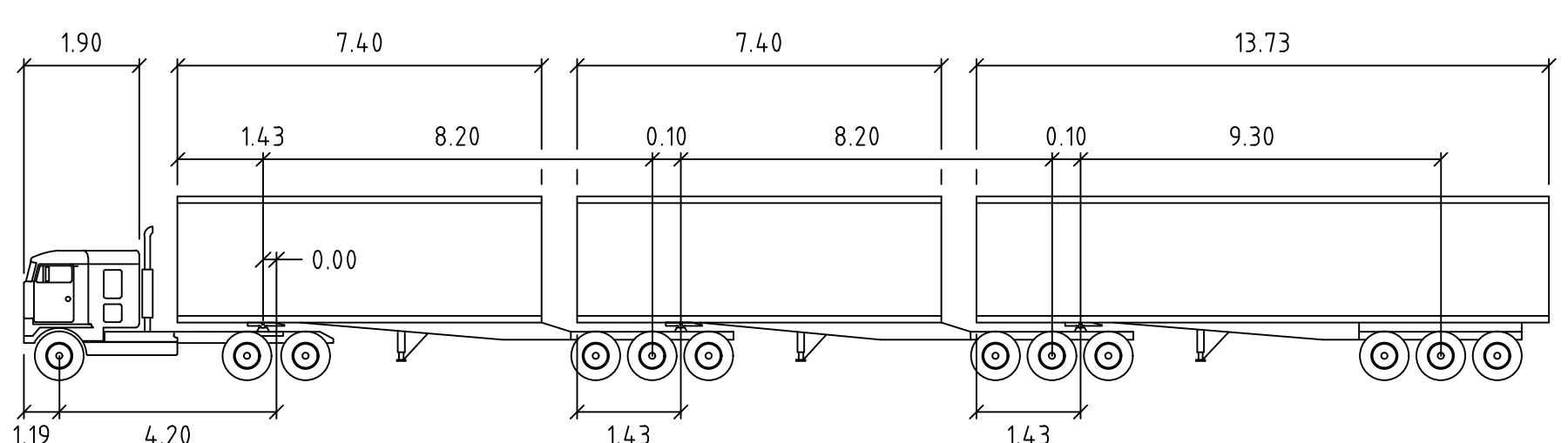


NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRORoadS & AS2890.
B-TRIPLE TURNING PATHS PROVIDED AS CHECK VEHICLE ONLY. DESIGN BASED ON 30M B-DOUBLE

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.

———— VEHICLE BODY PATH

- - - - - VEHICLE BODY PATH
600mm CLEARANCE



B-TRIPLE LEVEL 3 AND 4
N.T.S.

	Tractor Width	: 2.50	Lock to Lock Time	: 6.0
	Trailer Width	: 2.50	Steering Angle	: 18.2
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		



ISSUED FOR INFORMATION			28.10.21			A		
AMENDMENTS			DATE			ISSUE		
			AMENDMENTS			DATE		
			ISSUE			AMENDMENTS		
						DATE		
						ISSUE		



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MAMRE SOUTH PRECINCT
657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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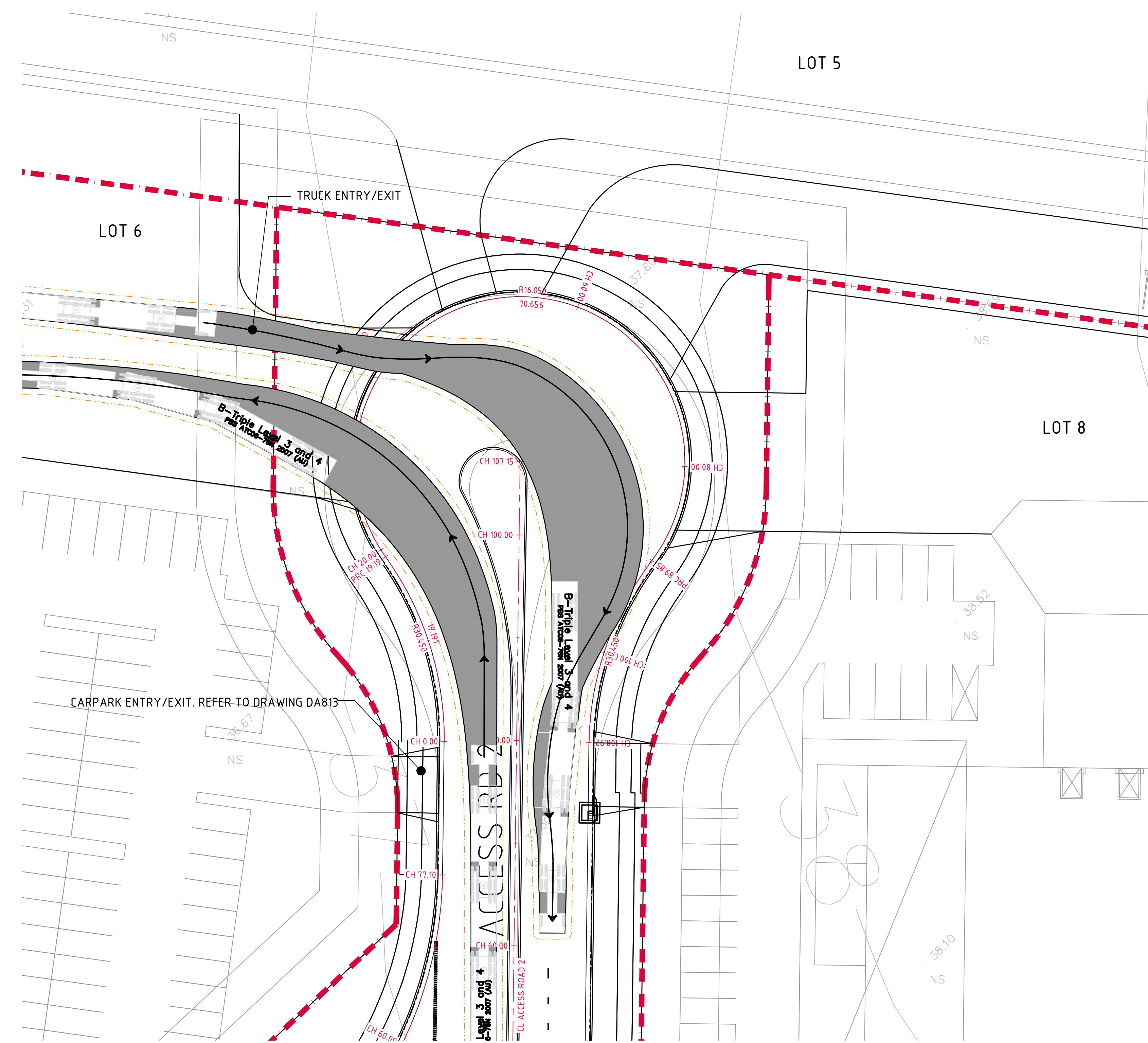
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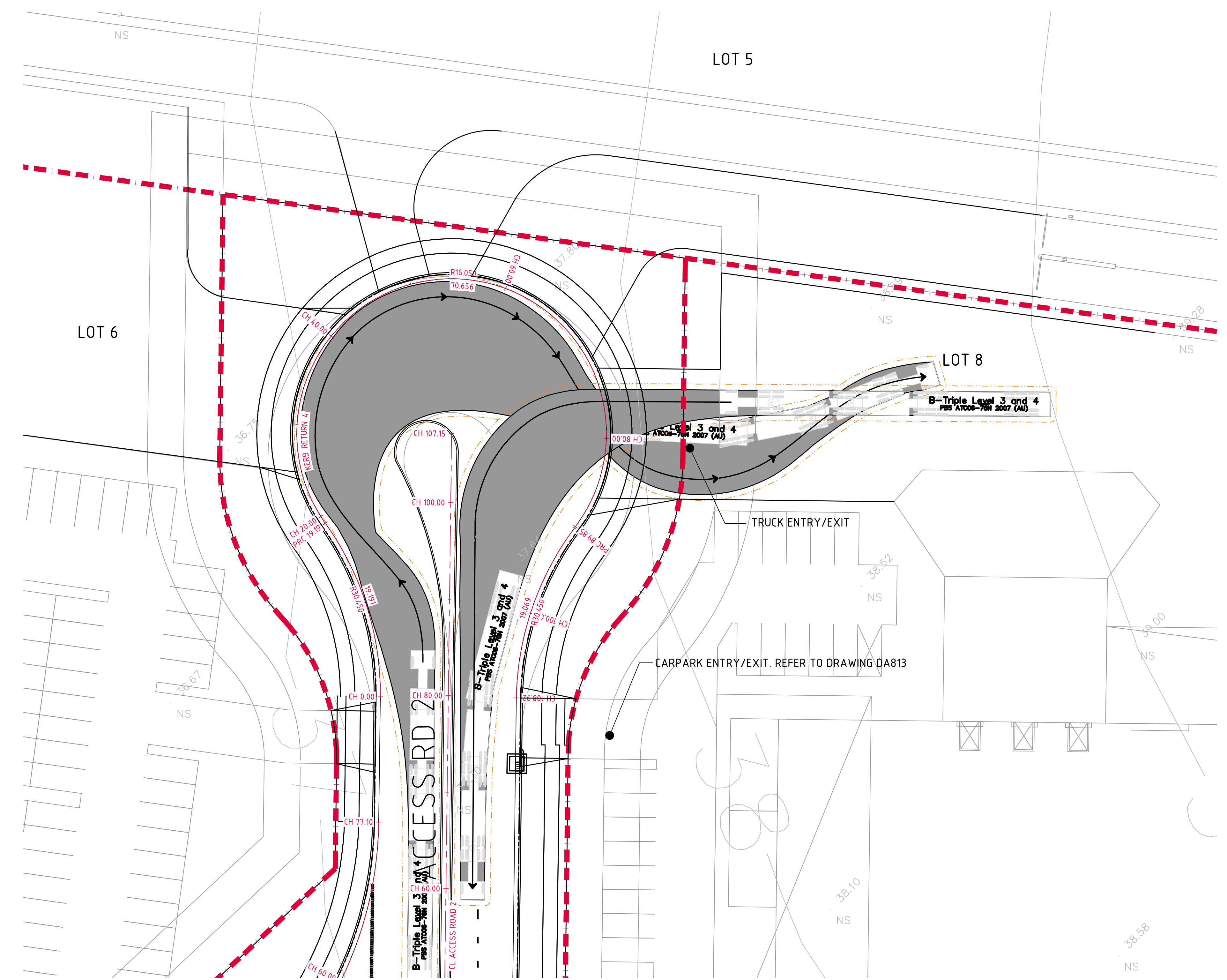
DRAWING TITLE
TURNING PATHS PLAN
SHEET 37
36m B-TRIPLE

DRAWING No C013362.00 DA838

SUE



TURNING PATHS PLAN-LOT TO 6 ACCESS
1:250 SCALE

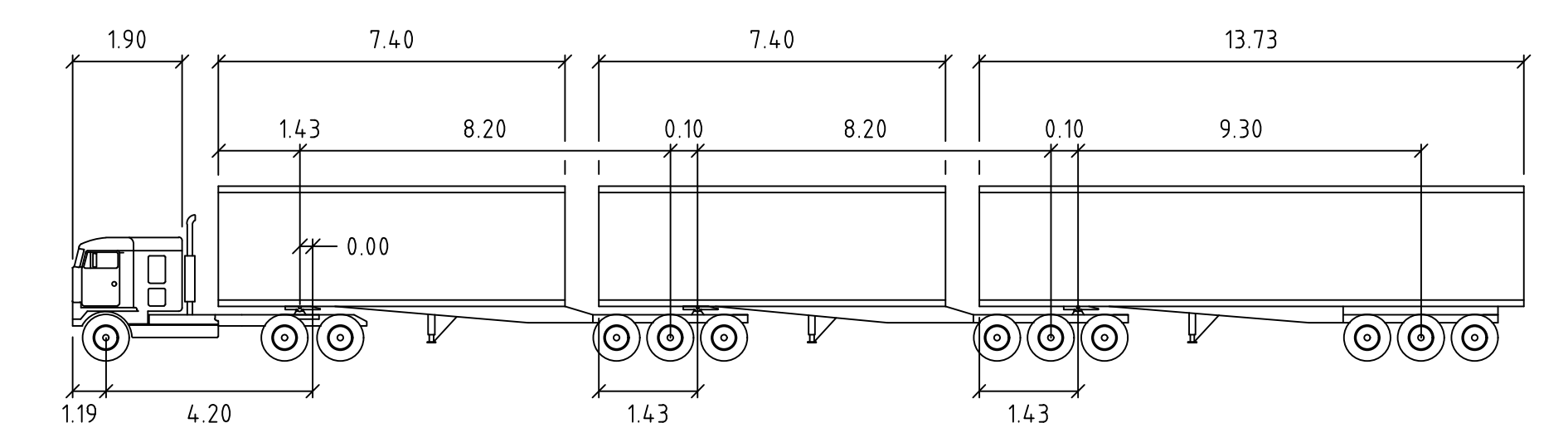


TURNING PATHS PLAN-LOT TO 8 ACCESS
1:250 SCALE

NOTE:
THIS PLAN HAS BEEN PRODUCED USING VEHICLE MODELLING COMPUTER SOFTWARE AUTODESK AUTOTURN.
THE VEHICLES ADOPTED ARE BASED UPON VEHICLE DATA PROVIDED BY THE SOFTWARE FOR AUSTRADS & AS2890.
B-TRIPLE TURNING PATHS PROVIDED AS CHECK VEHICLE ONLY. DESIGN BASED ON 30M B-DOUBLE

SWEPT PATH NOTE:
SWEPT PATH RUN SPEED 15km/h.

— VEHICLE BODY PATH
- - - VEHICLE BODY PATH
600mm CLEARANCE



B-TRIPLE LEVEL 3 AND 4
N.T.S.

	Tractor Width	: 2.50	Lock to Lock Time	: 6.0
	Trailer Width	: 2.50	Steering Angle	: 18.2
	Tractor Track	: 2.50	Articulating Angle	: 70.0
	Trailer Track	: 2.50		

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SHEET SIZE

FOR INFORMATION ONLY

[illegible]

PROJECT
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657 - 708 MAMRE ROAD
KEMPS CREEK, 2178, NSW



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DRAWING TITLE
TURNING PATHS PLAN
SHEET 38
36m B-TRIPLE

DRAWING No C013362 00-DA839