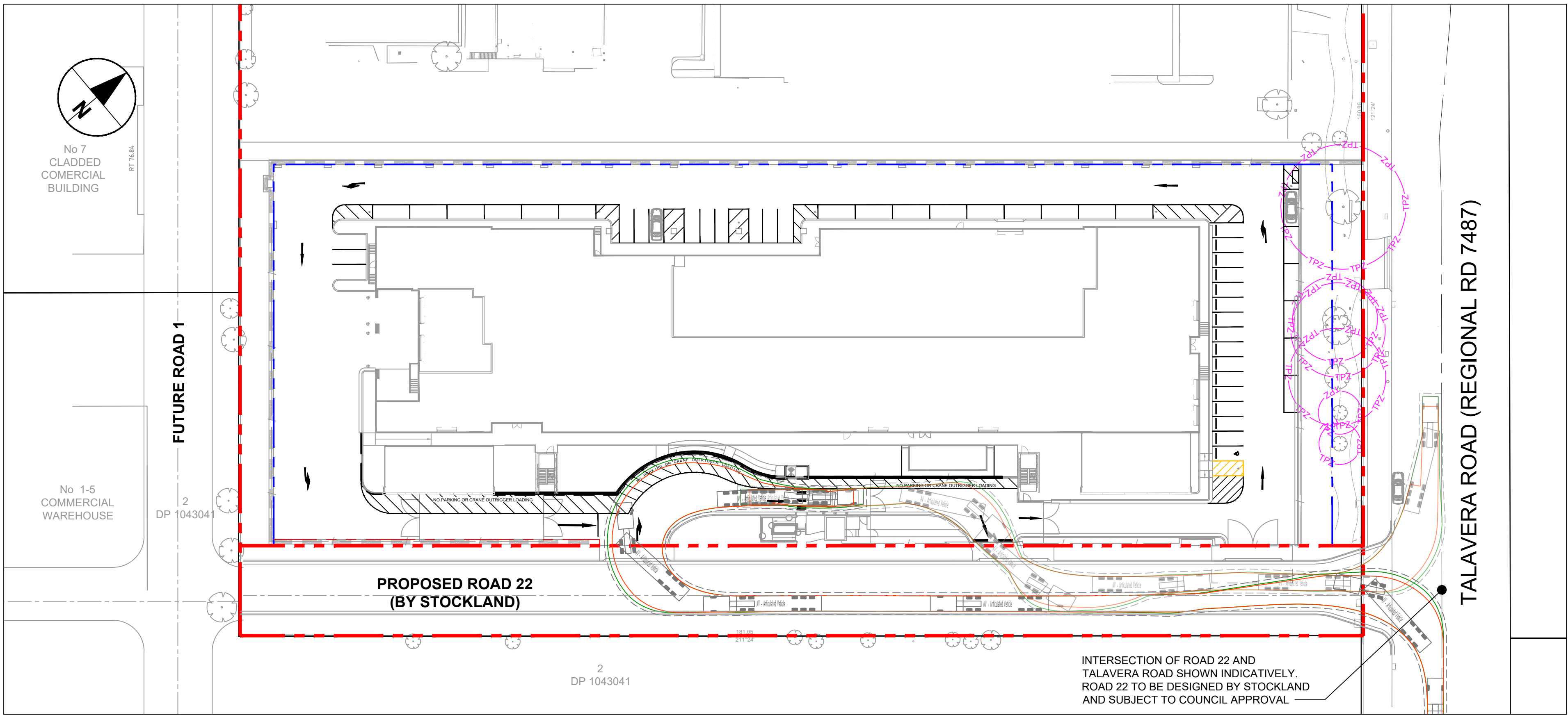
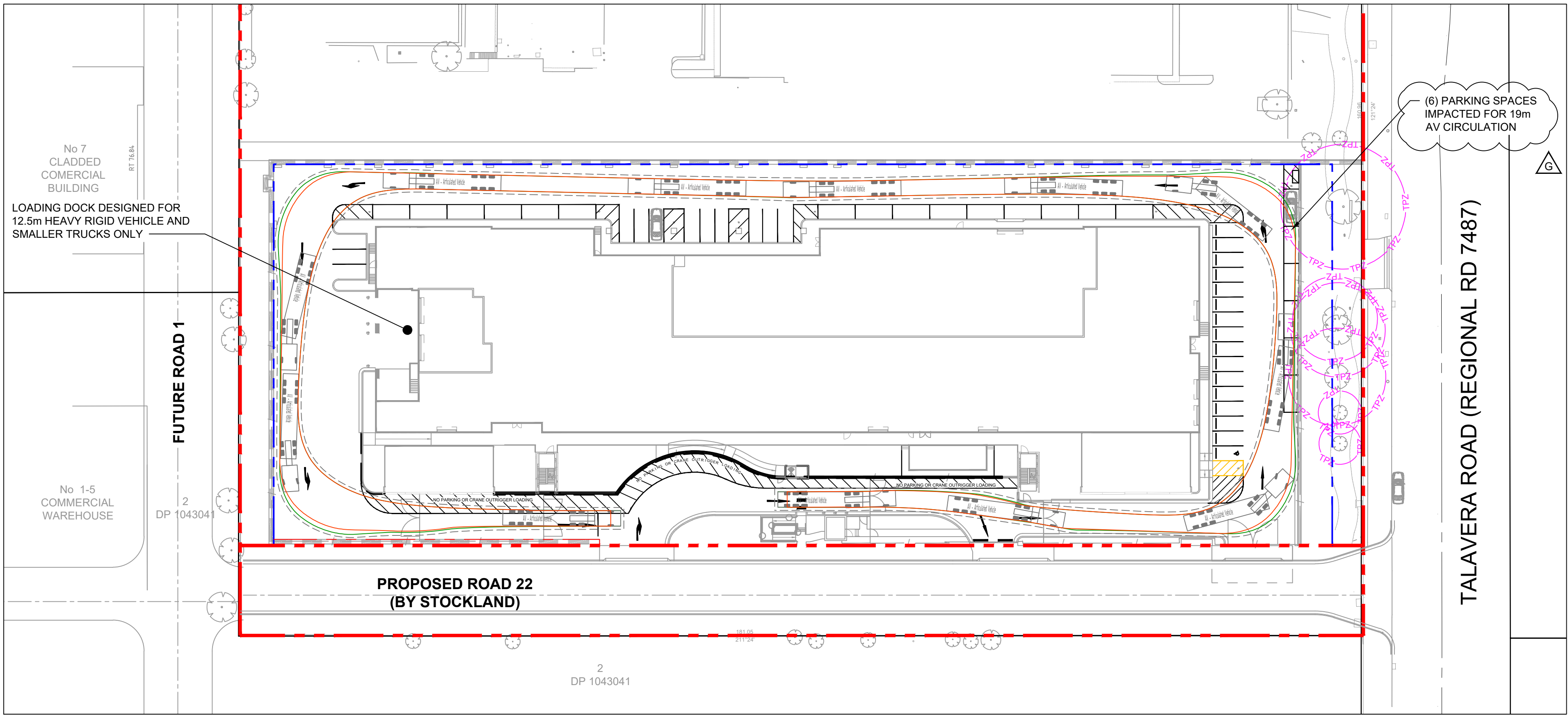


Appendix P

Swept path analysis



VEHICLE SWEEP PATH OF 19m AV - REFUSAL
Scale 1:500



VEHICLE SWEEP PATH OF 19m AV - SITE CIRCULATION
Scale 1:500

NOTES

THE CONTRACTOR MUST VERIFY IN FIELD (VIF) ALL DIMENSIONS AND CONDITIONS SHOWN ON THIS DRAWING PRIOR TO CONSTRUCTION.

NO SERVICES TO TRAVERSE THROUGH THE LEASE BOUNDARY OF THE ATHENA SITE, WITH THE EXCEPTION OF THOSE SERVING ATHENA'S SITE.

AV - Articulated Vehicle

Overall Length	19.000m
Overall Width	2.500m
Overall Body Height	4.301m
Min Body Ground Clearance	0.418m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m
Design Speed	10 km/h

NOTES:

- ROAD 22 TO BE DESIGNED AND CONSTRUCTED BY STOCKLAND.
- 19m ARTICULATED VEHICLE TO ACCESS SITE INFREQUENTLY FOR CONSTRUCTION AND MAINTENANCE. USE OF 19m AV WILL REQUIRE COUNCIL ROAD CLOSURE PERMITS AND TRAFFIC CONTROL MEASURES.

SAFETY IN DESIGN INFORMATION

SAFETY IN DESIGN ISSUES HAVE BEEN ASSESSED AS PART OF THE DESIGN PROCESS. ALL REASONABLE STEPS HAVE BEEN TAKEN TO ENSURE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THIS TYPE OF DESIGN HAVE BEEN MITIGATED AND/OR COMMUNICATED. RESIDUAL HAZARDS AND RISKS AND/OR HAZARDS AND RISKS NOT NORMALLY ASSOCIATED WITH THIS TYPE OF WORK WHICH MAY REQUIRE SUBSEQUENT CONSIDERATION AND/OR ACTION ARE DESCRIBED IN -

SYD066 SiD Report

Key Plan

Project Status: Stockland Review

Project No.: 60628128

REV.	DATE	DESCRIPTION	DRWN	ENGR	CHK	APP'D
B	23-Oct-2020	80% Design Development Issue	S.T.	V.E.	N.M.	D.P.

ARCHITECT: **AECOM**

CIVIL/STRUCTURAL ENGINEER: **AECOM**

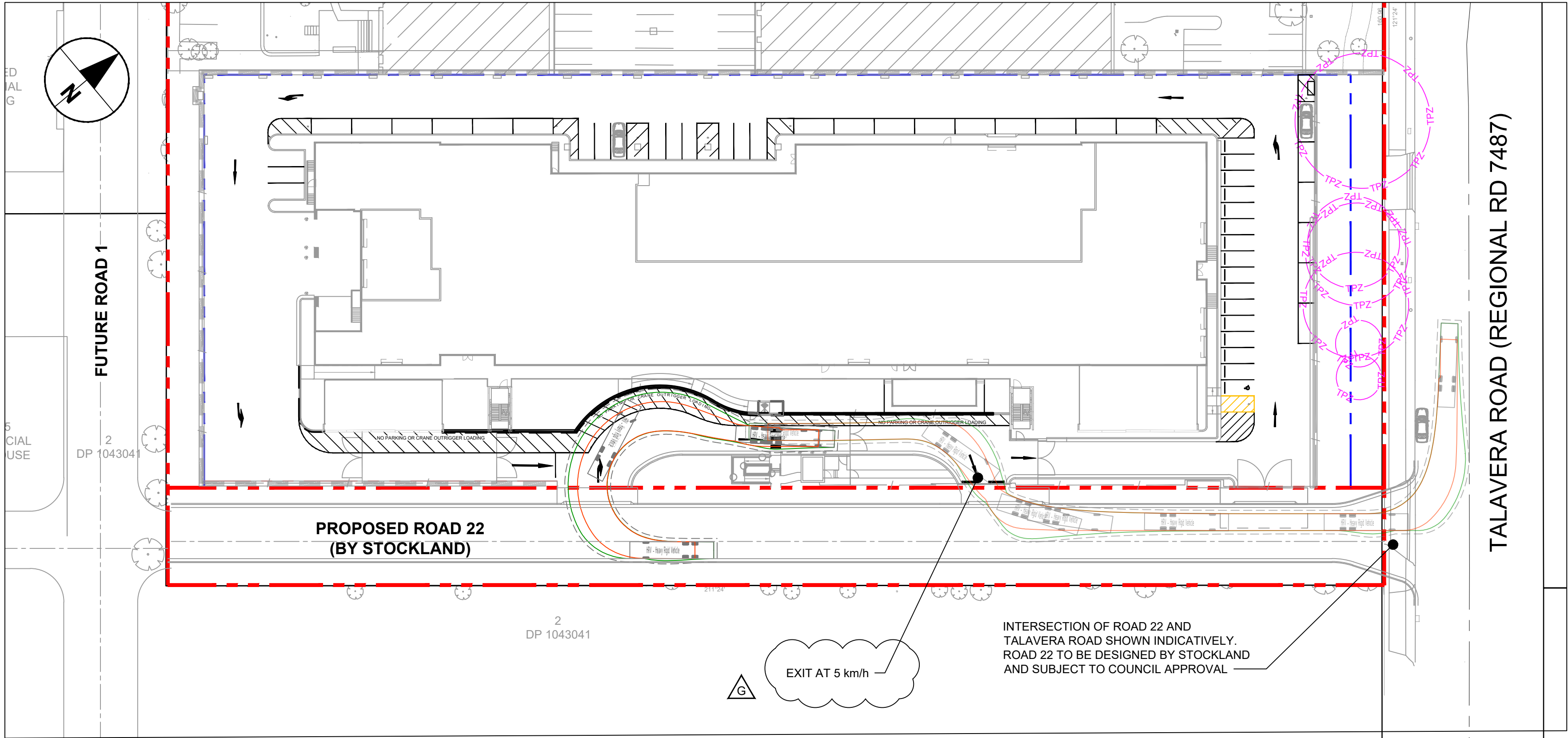
MEP ENGINEER: **AECOM**

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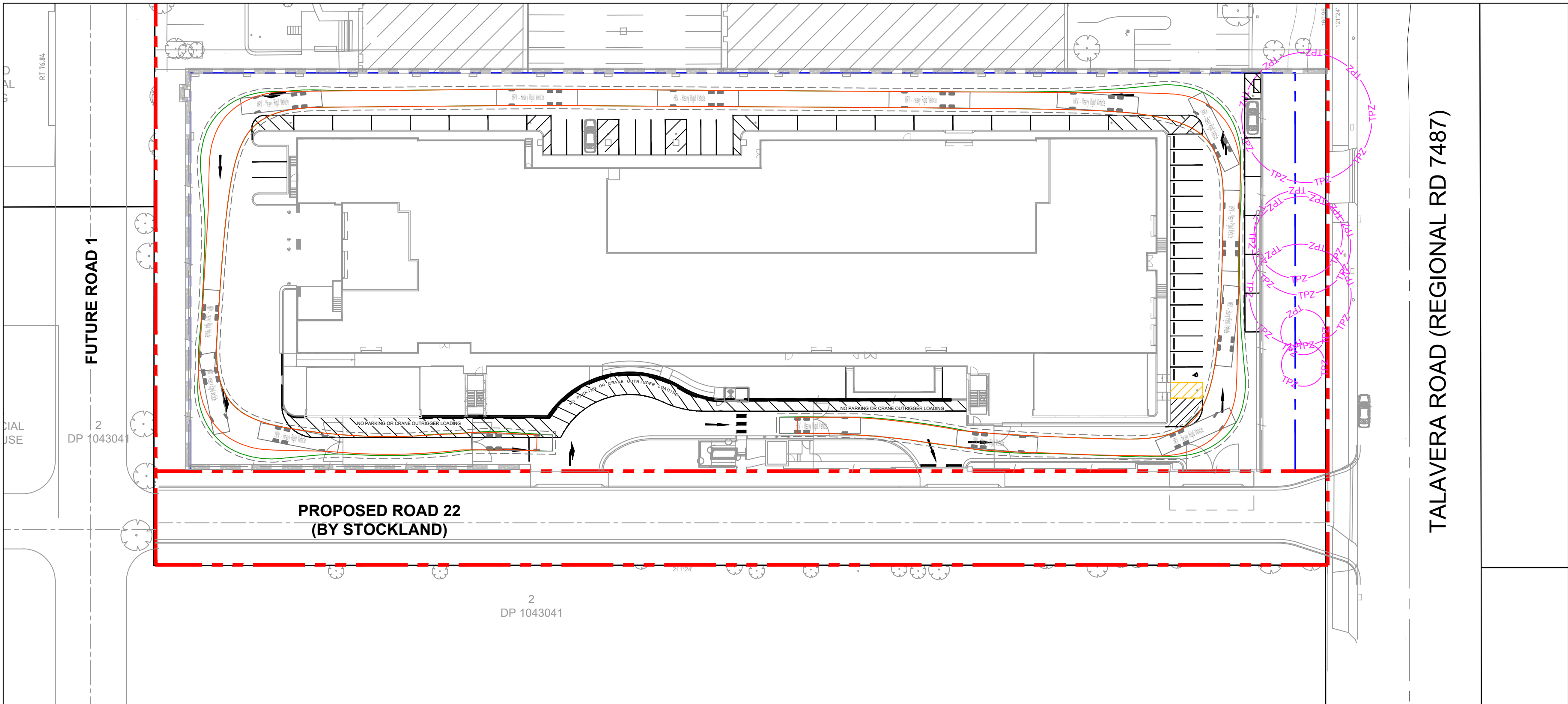
PROJECT: ATHENA

TITLE: AUTOTRACKING OF 19m AV PLAN

SCALE: 1:500 @A1	DRAWING NO.: ATHENA-ACM-XX-XX-DR-C-2020	REV.: B
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VEHICLE SWEEP PATH OF 12.5m HRV - REFUSAL
Scale 1:500



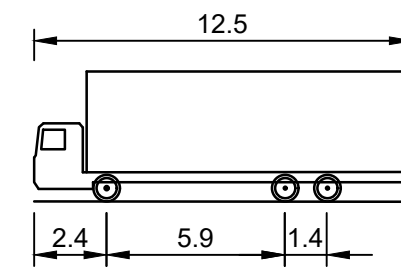
VEHICLE SWEEP PATH OF 12.5m HRV - SITE CIRCULATION
Scale 1:500

NOTES

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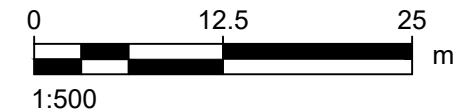
HRV - Heavy Rigid Vehicle



Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m
Design Speed (Forward)	10 km/h
Design Speed (Reverse)	5 km/h

NOTES:

- ROAD 22 TO BE DESIGNED AND CONSTRUCTED BY STOCKLAND.



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Project No.: 60628128

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A	30-July-2020	Stockland Review	S.T.	V.E.	N.M.	D.P.

ARCHITECT:

AECOM

CIVIL/STRUCTURAL ENGINEER:

AECOM

MEP ENGINEER:

AECOM

AGILE No.: 0

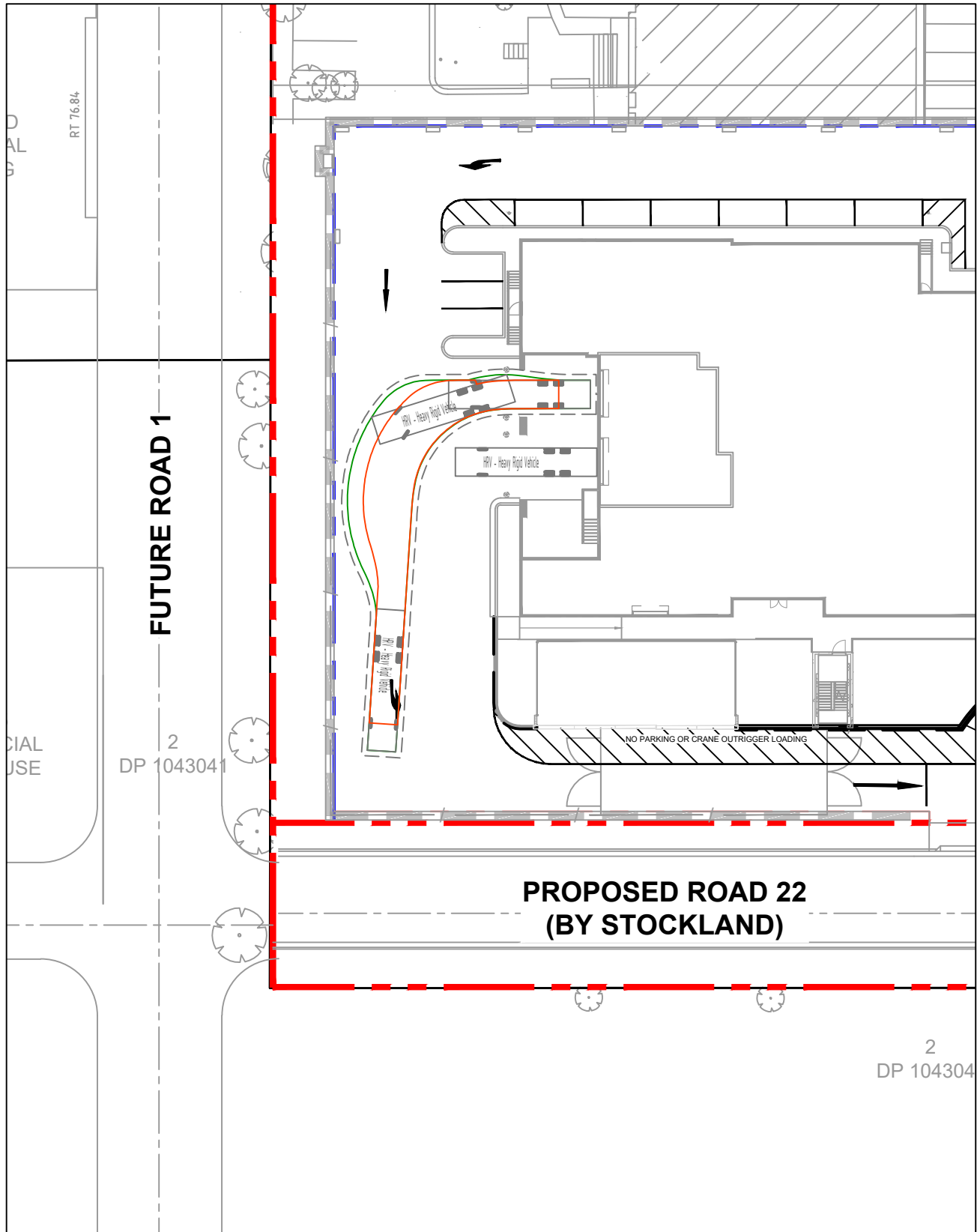
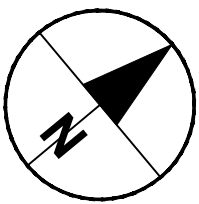
PROJECT: ATHENA

TITLE: AUTOTRACKING OF 12.5m HRV
PLAN
SHEET 1

SCALE:
1:500 @A1

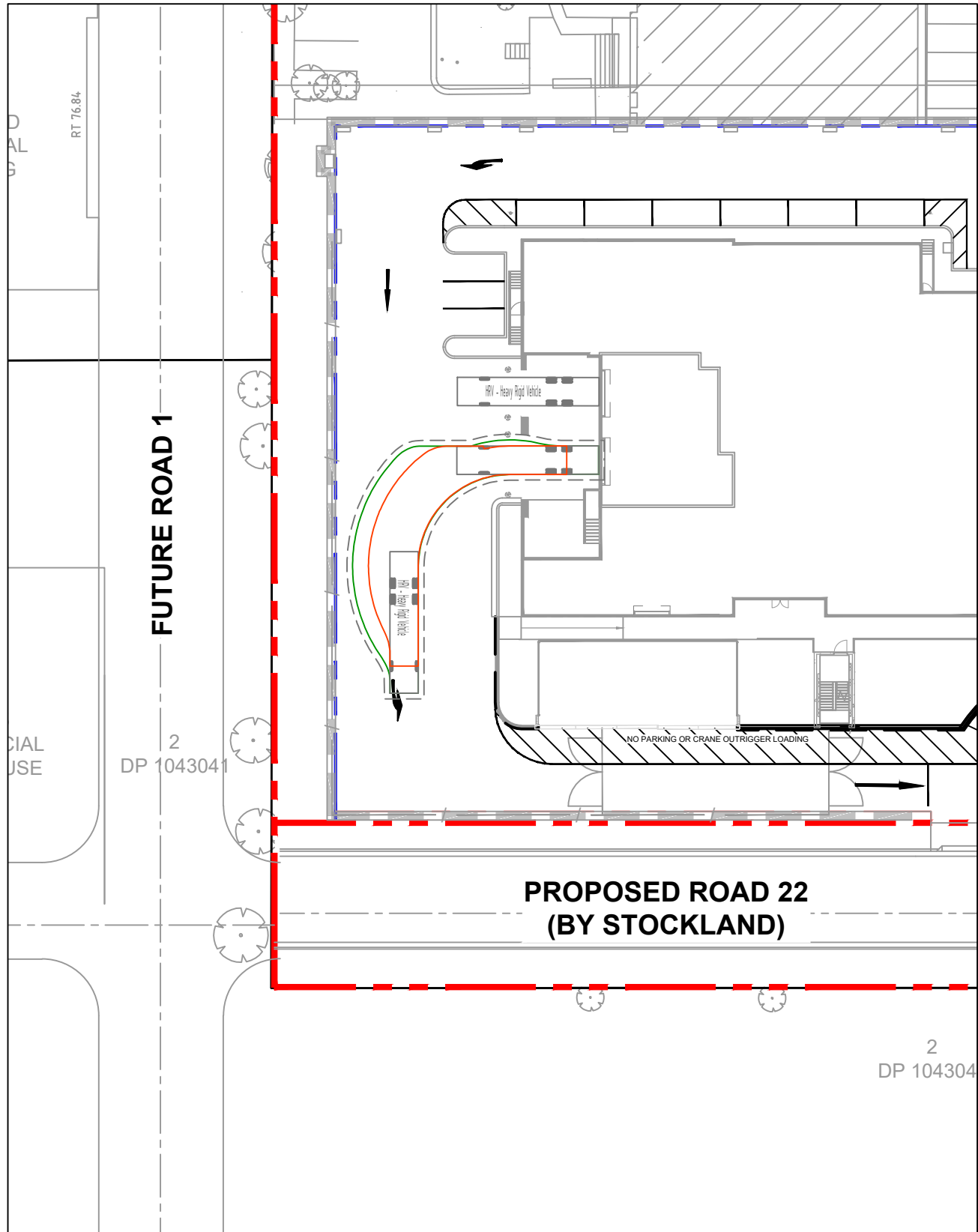
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ATHENA-ACM-XX-XX-DR-C-2021

REV.:
B



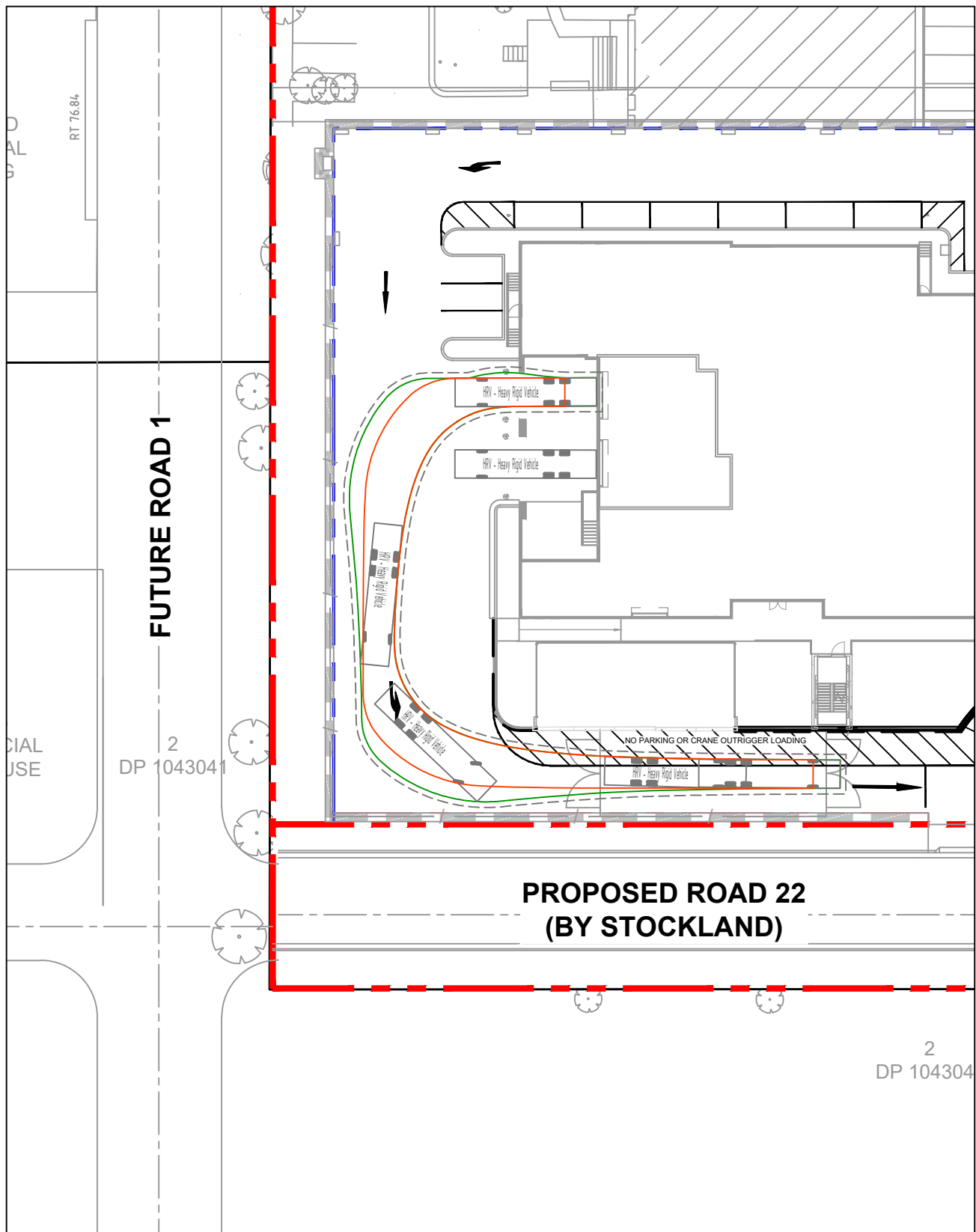
VEHICLE SWEEP PATH OF 12.5m HRV
- ENTER LOADING DOCK 1

Scale 1:500



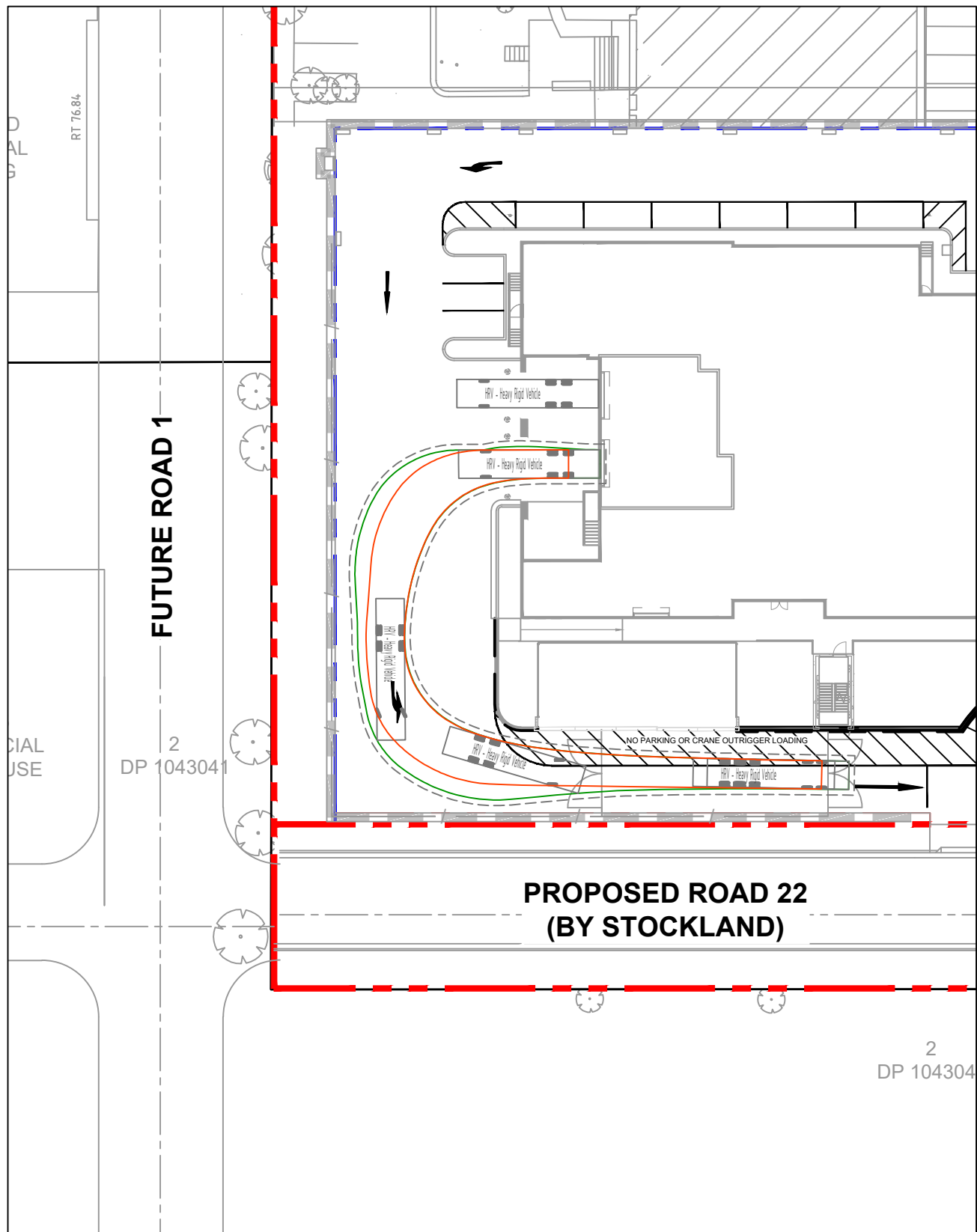
VEHICLE SWEEP PATH OF 12.5m HRV
- ENTER LOADING DOCK 2

Scale 1:500



VEHICLE SWEEP PATH OF 12.5m HRV
- EXIT LOADING DOCK 1

Scale 1:500



VEHICLE SWEEP PATH OF 12.5m HRV
- EXIT LOADING DOCK 2

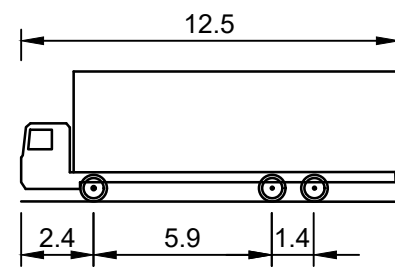
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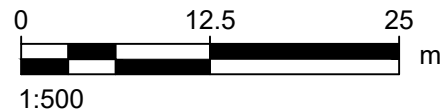
HRV - Heavy Rigid Vehicle



Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m
Design Speed (Forward)	10 km/h
Design Speed (Reverse)	5 km/h

NOTES:

- ROAD 22 TO BE DESIGNED AND CONSTRUCTED BY STOCKLAND.



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SYD066_SiD_Report

Key Plan	

Project Status:	Stockland Review
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Project No.:	60628128
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REV.	DATE	DESCRIPTION	DRWN	ENGR	CHK	APP'D
B	23-Oct-2020	80% Design Development Issue	S.T.	V.E.	N.M.	D.P.
A	30-July-2020	Stockland Review	S.T.	V.E.	N.M.	D.P.

ARCHITECT:

AECOM

CIVIL/STRUCTURAL ENGINEER:

AECOM

MEP ENGINEER:

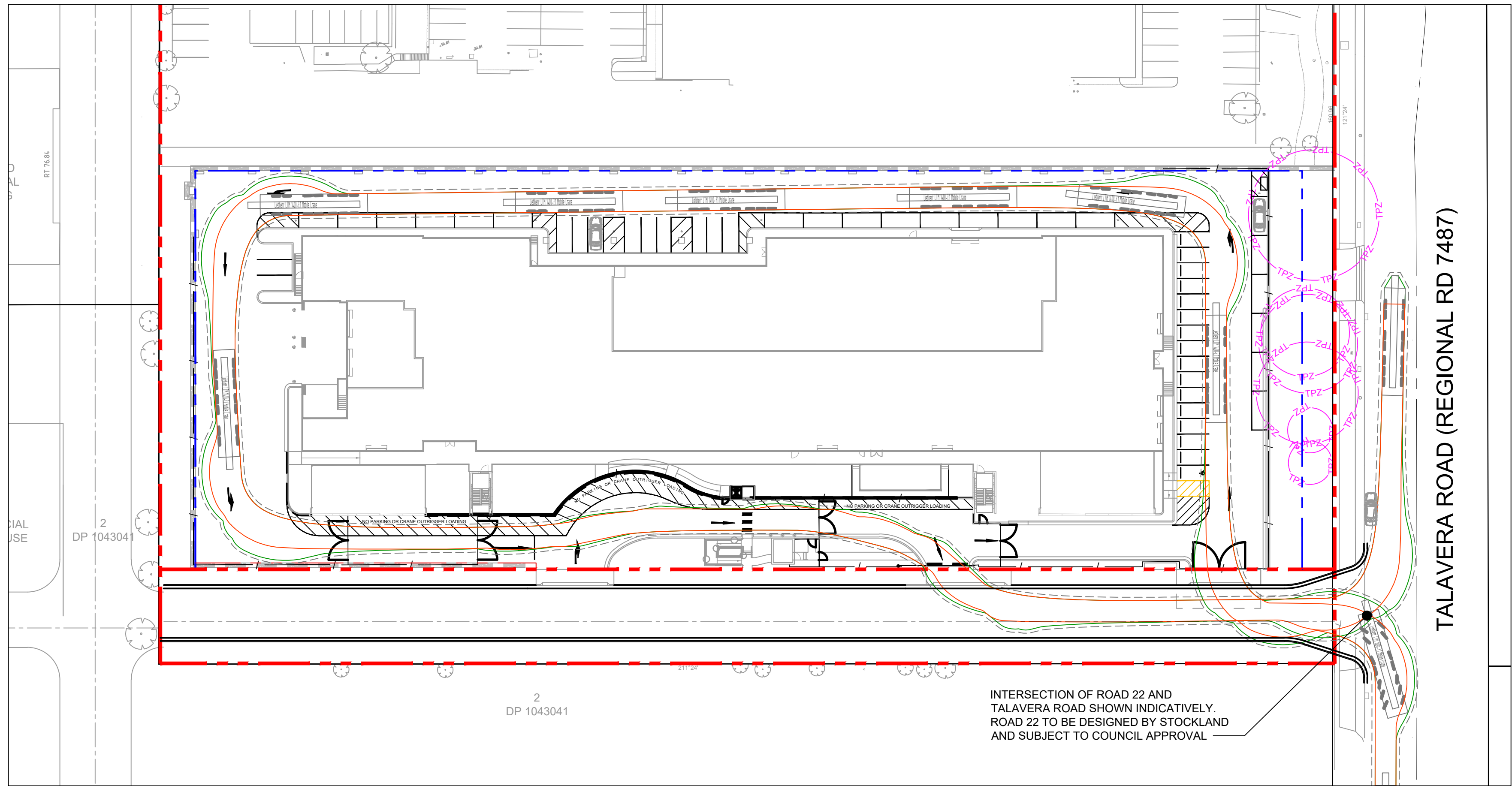
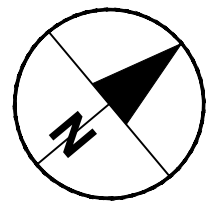
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PROJECT:	ATHENA
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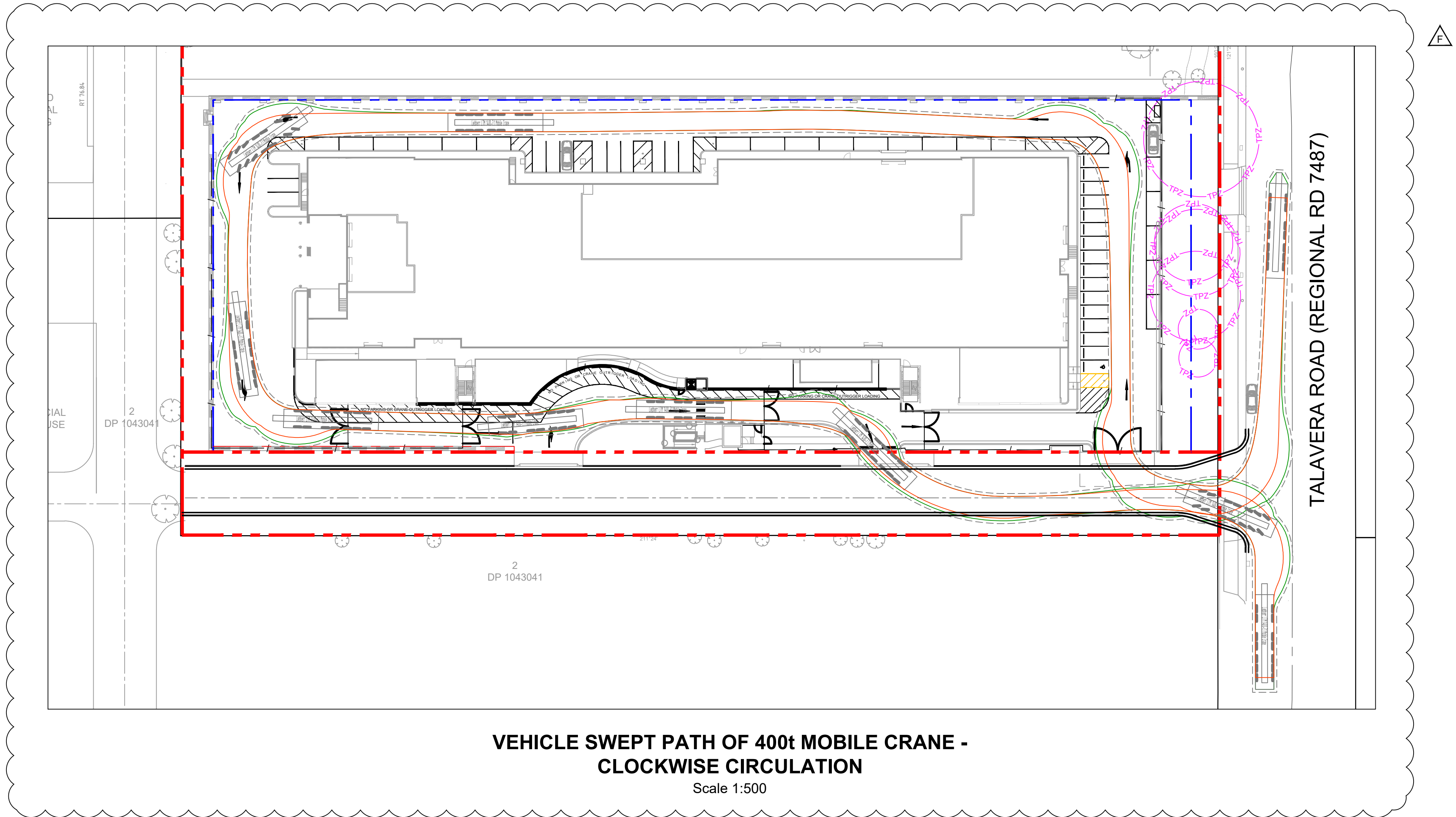
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SCALE: 1:500 @A1	DRAWING NO.: ATHENA-ACM-XX-XX-DR-C-2022	REV.: B
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VEHICLE SWEEP PATH OF 400t MOBILE CRANE -
COUNTERCLOCKWISE CIRCULATION

Scale 1:500



VEHICLE SWEEP PATH OF 400t MOBILE CRANE -
CLOCKWISE CIRCULATION

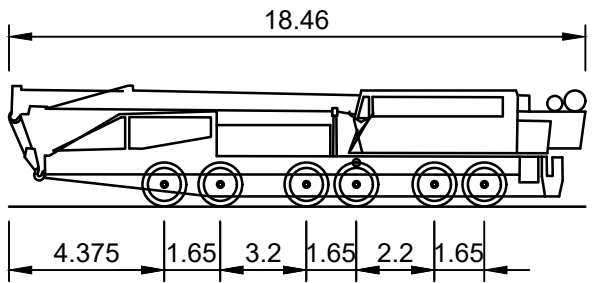
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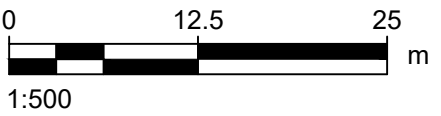
Liebherr LTM 1400-7.1 Mobile Crane



Overall Length	18.460m
Overall Width	3.230m
Overall Body Height	4.000m
Min Body Ground Clearance	0.330m
Track Width	3.230m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	11.664m
Design Speed	5 km/h

NOTES:

- ROAD 22 TO BE DESIGNED AND CONSTRUCTED BY STOCKLAND.
- THIS PLAN IS SHOWN FOR CONCEPTUAL PURPOSES ONLY. TRAFFIC MANAGEMENT PLAN SHALL BE PREPARED PRIOR TO MOBILE CRANE ACCESS ONTO THE SITE.
- REFER TO STRUCTURAL DRAWINGS FOR EQUIPMENT LIFTING STRATEGY AND CRANAGE PLAN.



SAFETY IN DESIGN INFORMATION

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ARCHITECT:

AECOM

CIVIL/STRUCTURAL ENGINEER:

AECOM

MEP ENGINEER:

AECOM

AGILE No.:

0

PROJECT:

ATHENA

TITLE:

AUTOTRACKING OF MOBILE CRANE
PLAN

SCALE:

1:500 @A1

DRAWING NO.:

ATHENA-ACM-XX-XX-DR-C-2023

REV.:

B