

Note

1. Do not scale from this drawing
2. To be read in conjunction with Project Risk Register REF: XXX
3. To be read in conjunction with all other Landscape Architect's drawings

- KEY**
- (A) Entrance Plaza to Building
 - (B) Social Space
 - (C) Car Park
- 294 standard parking spaces (inc. 32no. as EVCPs and 14 Accessible Parking Spaces)
 - (D) Service area for workshop students
 - (E) 2 Court MUGA
 - (F) Meadow Planting and Habitat Area
 - (G) Sprinkler Tank System
 - (H) Air Source Heat Plump
 - (I) Bin Store
 - (J) Swale with Hedgerow and tree planting
 - (K) Cycle Parking (Double Stacked)
- Total 284 long stay bicycle spaces
 - (L) Pick up / Drop off / Delivery bay
 - (M) Access through car park to MUGA
 - (N) Retaining Wall
 - (O) Access controlled vehicular entrance
 - (P) External HV Unit
 - (Q) Motorcycle parking
10 spaces
 - (R) Motor Vehicle Workshop parking spaces
8 spaces
 - (S) New native buffer planting
 - (T) External digging area
 - (U) Cherry Tree Walk
Pedestrian access route
 - (V) Dust extractor
 - (W) External Battery
 - (X) External Gas Bottle Stores
 - (Y) External Storage Containers
 - (Z) Mini-Bus Parking

ID	RISK	MITIGATION	DATE MITIGATED
RESIDUAL PROJECT RISKS			

DATE	REV	DESCRIPTION OF REVISION	DRAWN BY	APPROVED BY
21/03/2024	P07	Issued for Planning	MH	BH
REVISIONS				

STATUS
A2 - Authorised and Accepted as Planning Application Submission

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CLIENT:
Cardiff and Vale College

PROJECT TITLE:
Advanced Technology Centre

DRAWING TITLE:
Landscape Illustrative Masterplan

DRAWING SCALE: 1:500	DRAWN BY: MDS	DRAWN DATE: 15/06/2022
PAPER SIZE: A1	APPROVED BY: HT	ALA PROJECT CODE: ALAT23

DRAWING NUMBER: **VG0101-ALA-00-XX-DR-L-00001** STATUS: **A2** REVISION: **P07**



Appendix F Bus Stop Proposals

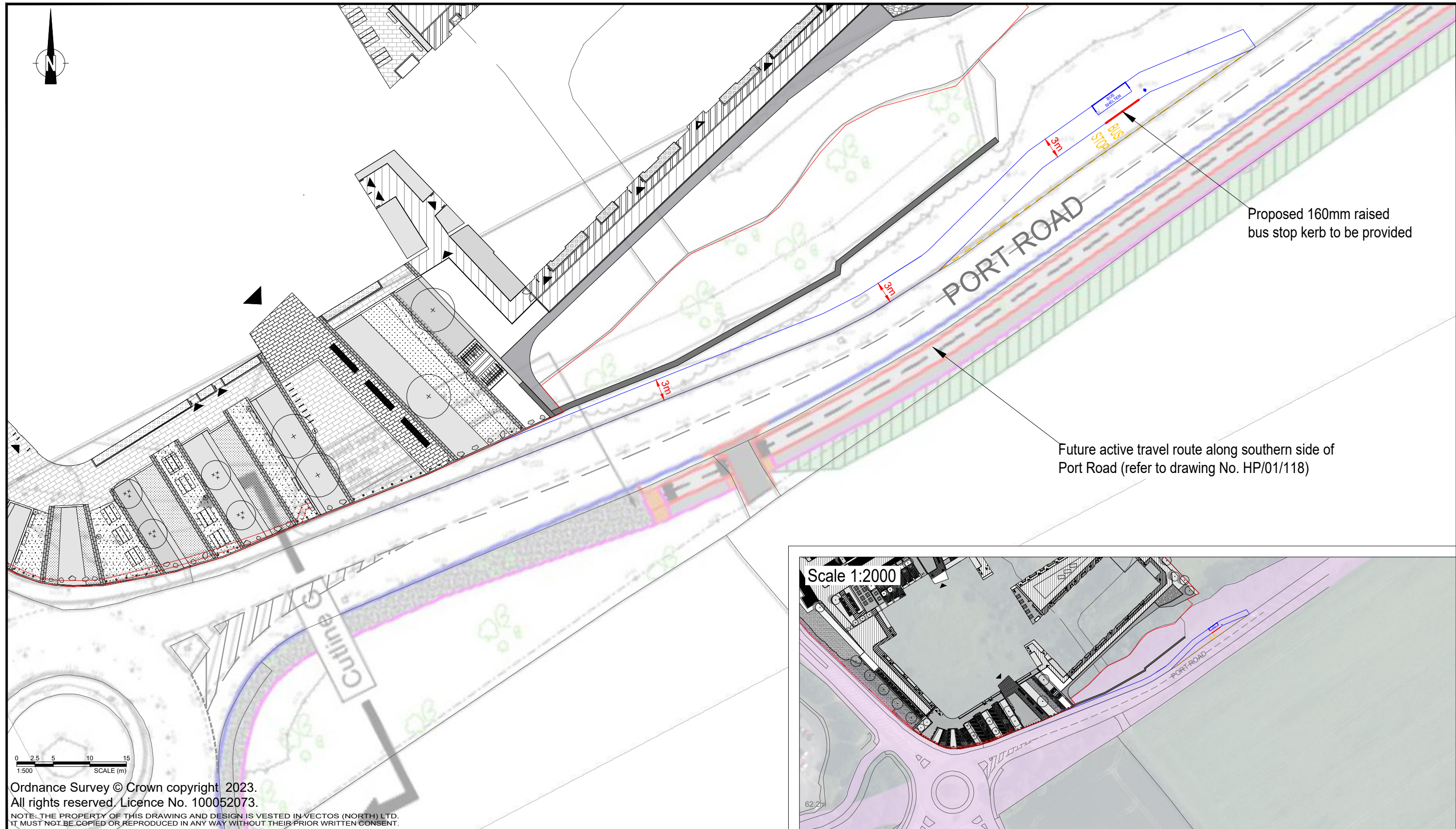
CaVC Advanced Technology Centre, Vale of Glamorgan

Transport Assessment

WEPCo Limited

SLR Project No.: 425.002058.00001

5 April 2024



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REV.	DETAILS	DRAWN	CHECKED	DATE
A	Amendments made to bus stop detail	WD	CP	13.12.23
B	Amendments made layout	WD	CP	16.01.24
C	Amendments made layout	WD	CP	03.04.24

Notes:

- This is not a construction drawing and is intended for illustrative purposes only.
- White lining is indicative only.

Adopted Highway Boundary

BUS SHELTER

Proposed Bus Shelter with Seating & Real Time Information Screens

CAVC Advanced Technology Centre, Vale of Glamorgan

CAVC

Proposed General Arrangement on Port Road

SLR

DRAWN: WD	CHECKED: DR	DATE: 21.11.23	SCALES: 1:500 at A3 - Unless Shown	DRAWING NUMBER: VN232876-D100	REVISION: C
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Appendix G Swept Path Analysis

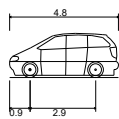
CaVC Advanced Technology Centre, Vale of Glamorgan

Transport Assessment

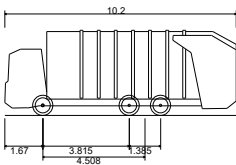
WEPCo Limited

SLR Project No.: 425.002058.00001

5 April 2024

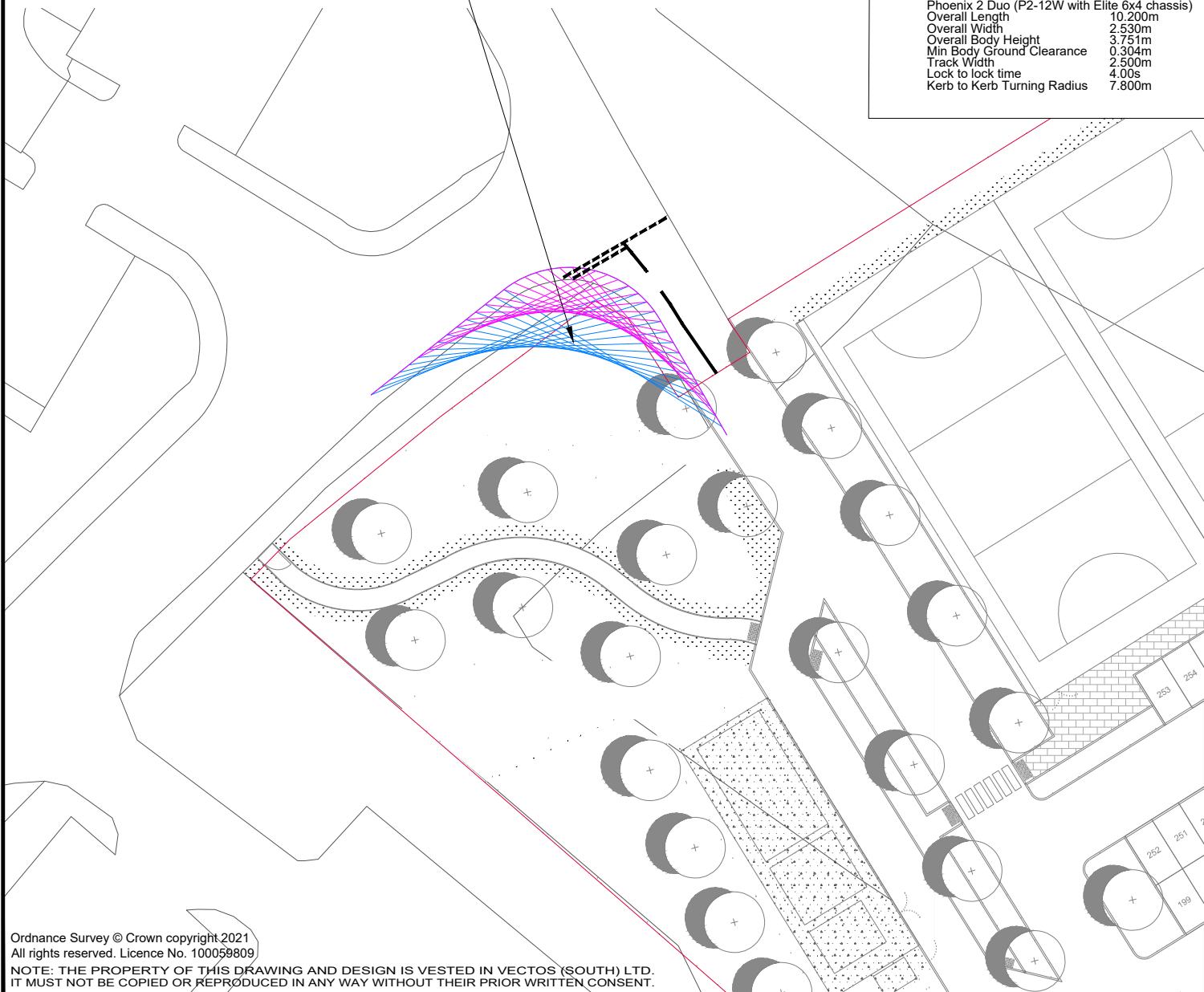


Standard Design Vehicle (SDV)
Overall Length 4.800m
Overall Width 2.000m
Overall Body Height 1.950m
Min Body Ground Clearance 0.100m
Track Width 2.000m
Lock to lock time 4.00s
Wall to Wall Turning Radius 6.000m



Phoenix 2 Duo (P2-12W with Elite 6x4 chassis)
Overall Length 10.200m
Overall Width 2.530m
Overall Body Height 3.751m
Min Body Ground Clearance 0.304m
Track Width 2.500m
Lock to lock time 4.00s
Kerb to Kerb Turning Radius 7.800m

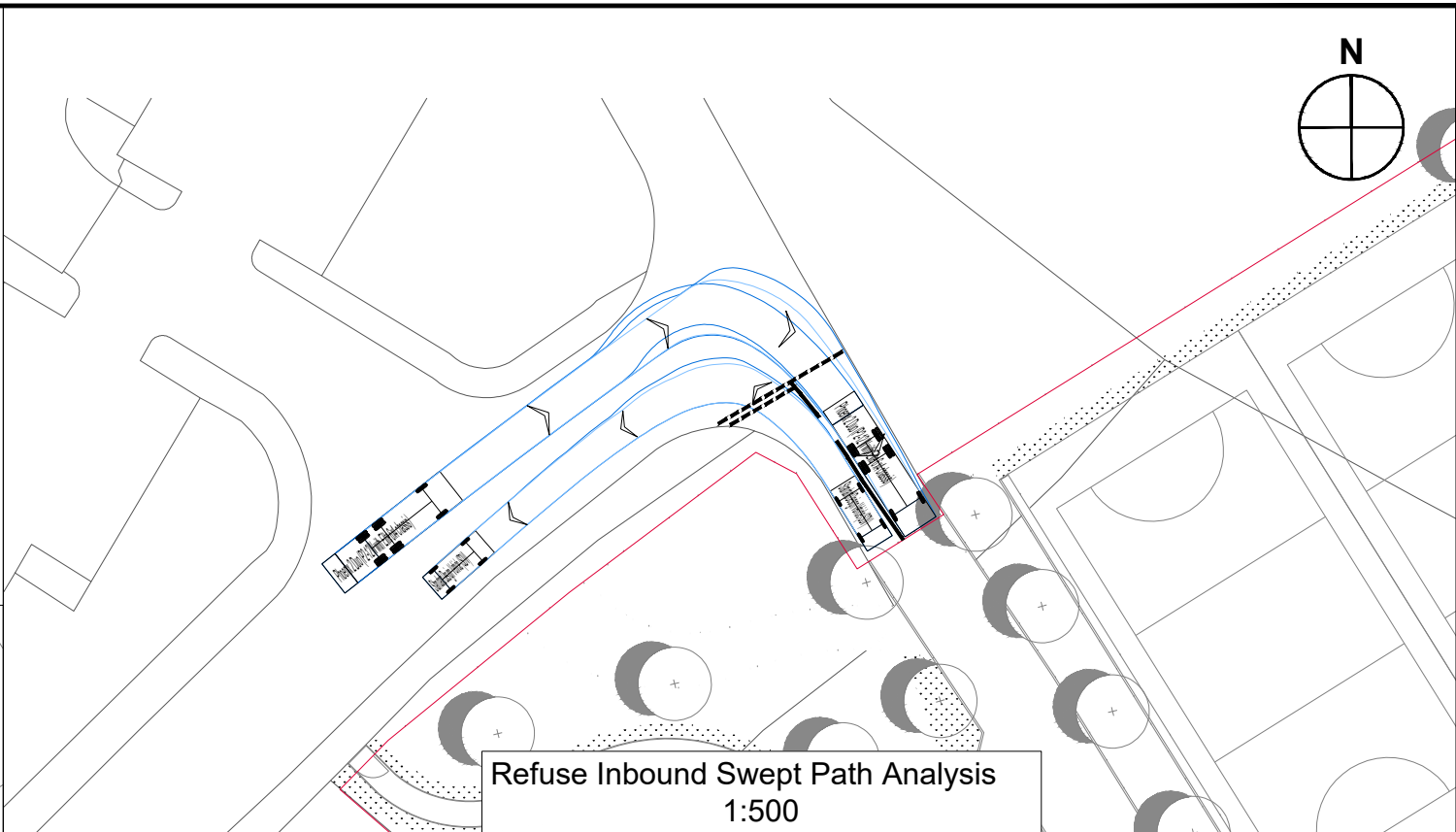
Area to remain clear to accommodate
Forward Visibility envelope



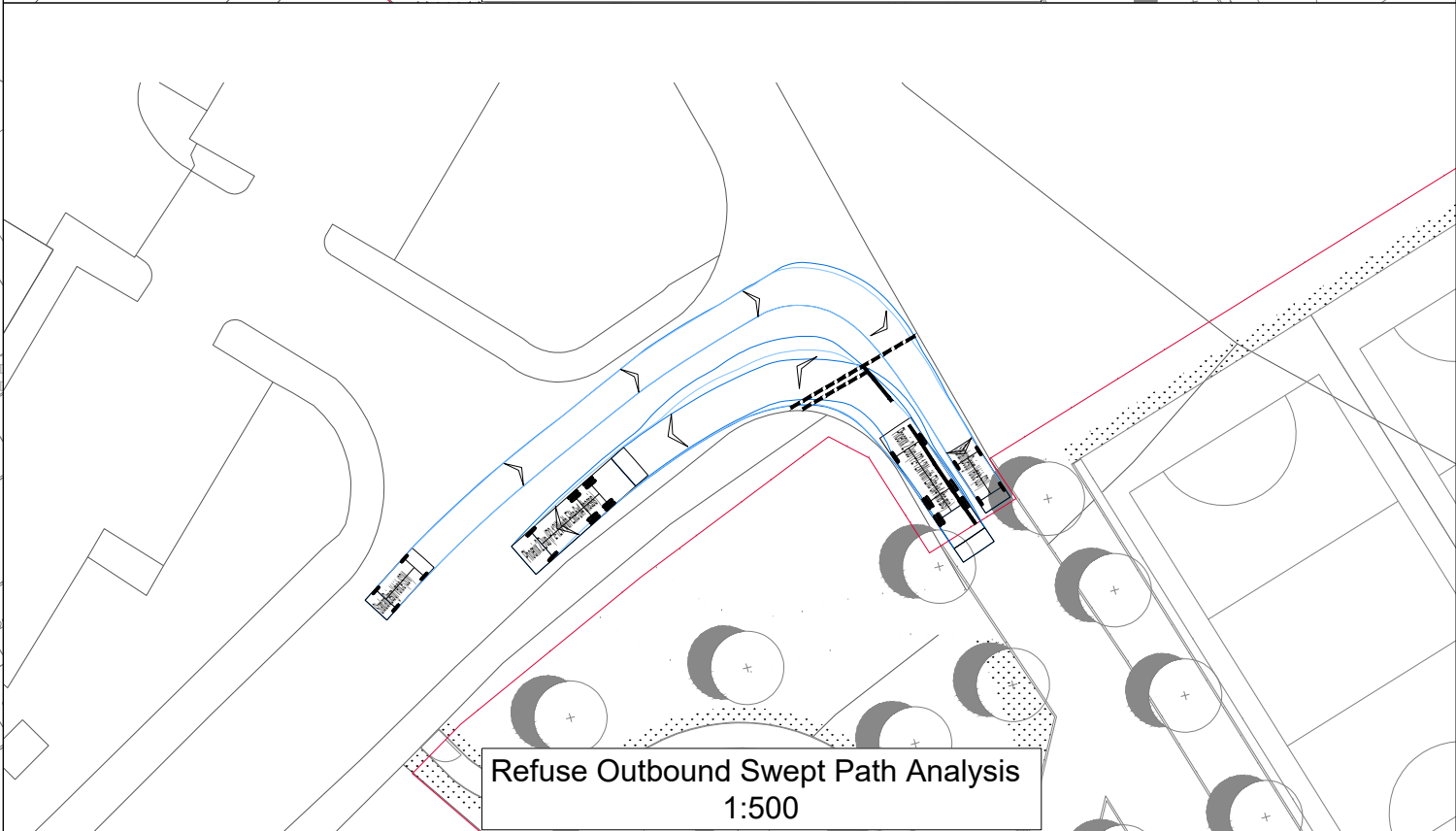
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Refuse Inbound Swept Path Analysis
1:500



Refuse Outbound Swept Path Analysis
1:500



REV.	DETAILS	DRAWN	CHECKED	DATE
A	Updated Masterplan	RJ	-	26.03.24

Notes:

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- 25m Forward Visibility based on 20mph speeds (MFS)
- 17m Forward Visibility based on 15mph speeds (MFS)

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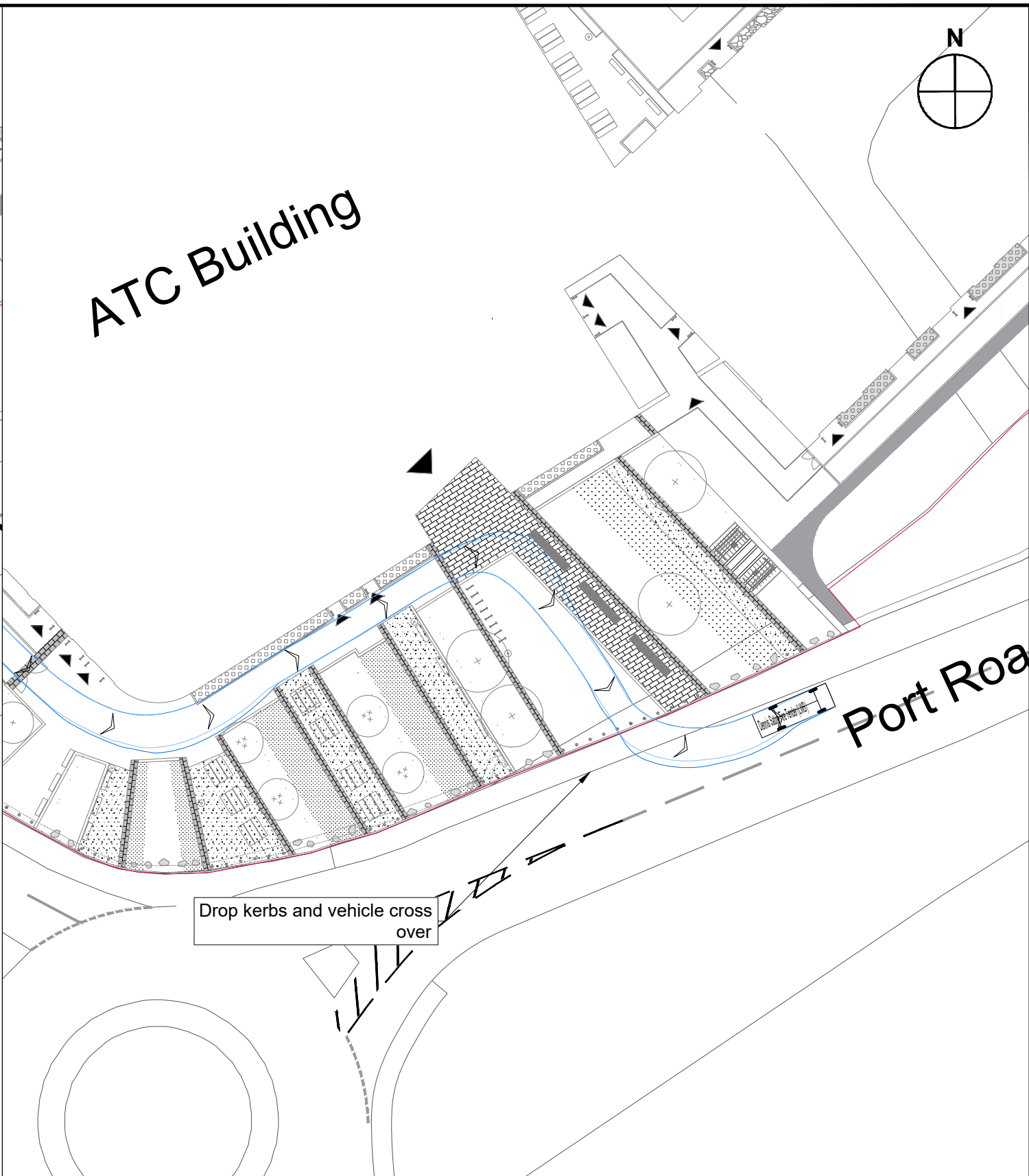
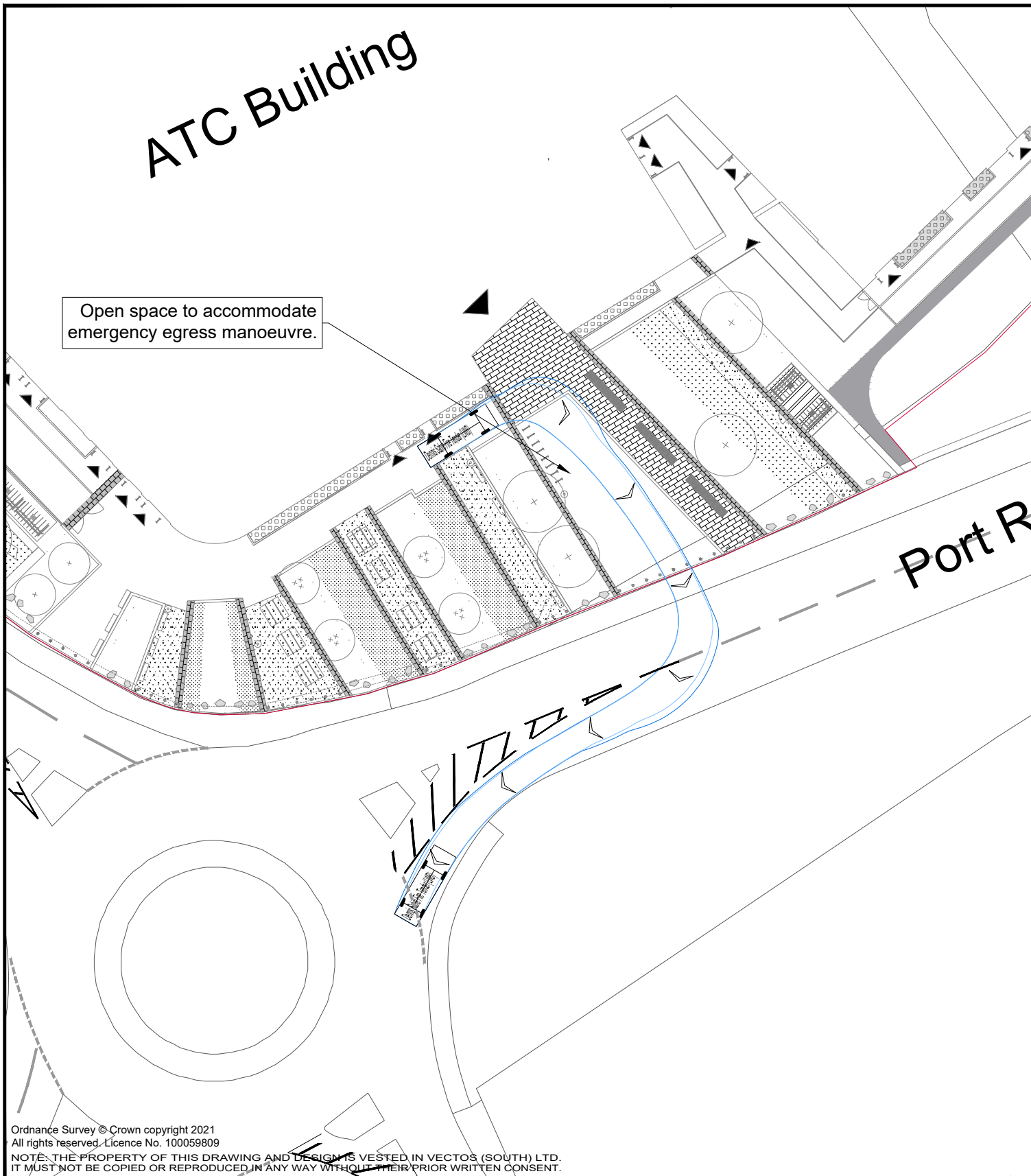
General Arrangement
Site Access Review



DRAWN: RJ
CHECKED: KR
DATE: 12.12.23
SCALES: 1:500 at A3

DRAWING NUMBER: 237449_PD02
REVISION: A

INFORMATION ONLY



REV.	DETAILS	DRAWN	CHECKED	DATE
A	Tracking / Kerb updates	RJ	CP	25.10.23
B	Updated Masterplan	KR	CP	26.10.23
C	Updated Masterplan	RJ	CP	19.12.23
D	Updated Masterplan	RJ	-	26.03.24

INFORMATION ONLY

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Dennis Sabre Fire Tender (LWB)

Overall Length

Overall Width

Overall Body Height

Min Body Ground Clearance

Track Width

Lock to lock time

Kerb to Kerb Turning Radius

7.700m

2.430m

3.512m

0.397m

2.380m

5.00s

7.400m

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Swept Path Analysis of fire tender exiting the site onto Port Road

DRAWN: RJ

CHECKED: CP

DATE: 02.10.23

SCALES: 1:1250 at A3

DRAWING NUMBER: 237449_AT_A03

REVISION: D