

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 Architects' 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

ares
 LANDSCAPE ARCHITECTS

Ares Landscape Architects LTD
 Gatecrasher,
 51 Eyre Lane
 Sheffield
 S1 4RB
 t: 0114 276 2000
 e: hello@aresdesign.co.uk
 w: ares.eu.com

CLIENT:
Cardiff and Vale College

PROJECT TITLE:
Advanced Technology Centre

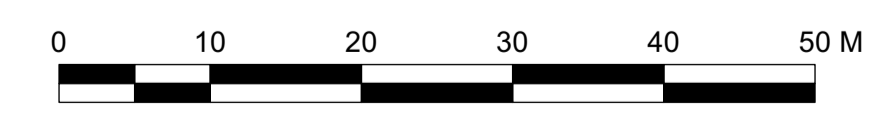
DRAWING TITLE:
Landscape Illustrative Masterplan

DRAWING SCALE: 1:500
 PAPER SIZE: A1

DRAWN BY: MDS
 APPROVED BY: HT

DRAWN DATE: 15/06/2022
 ALA PROJECT CODE: ALAT23

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





Appendix F Bus Stop Proposals

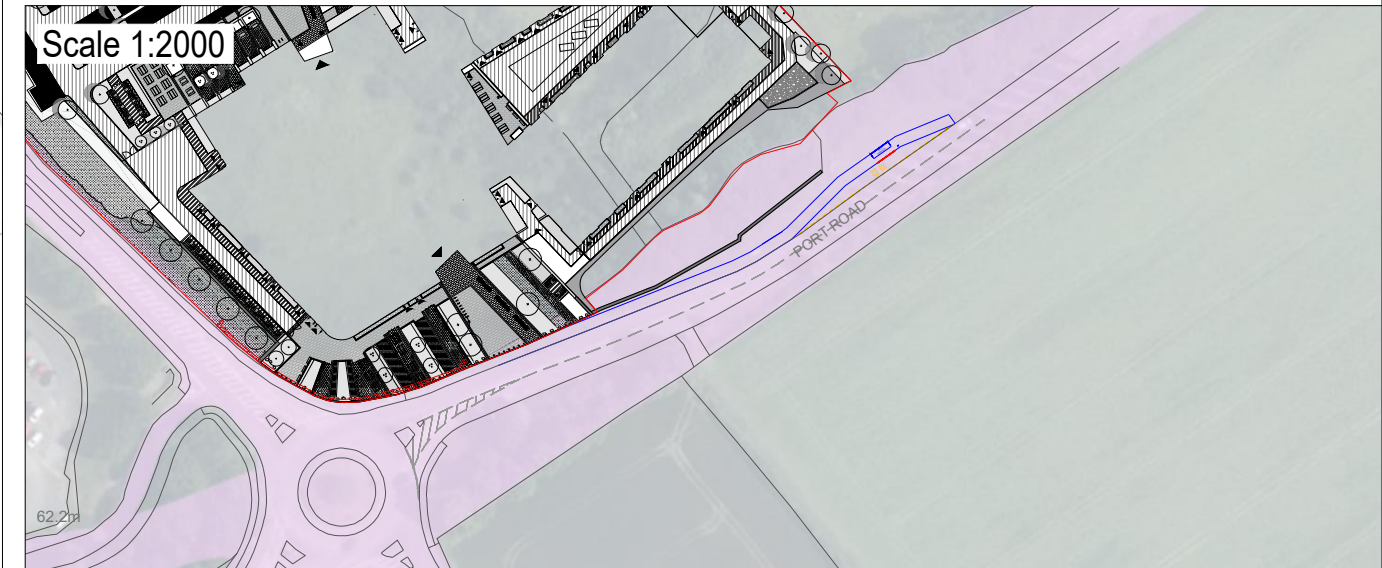
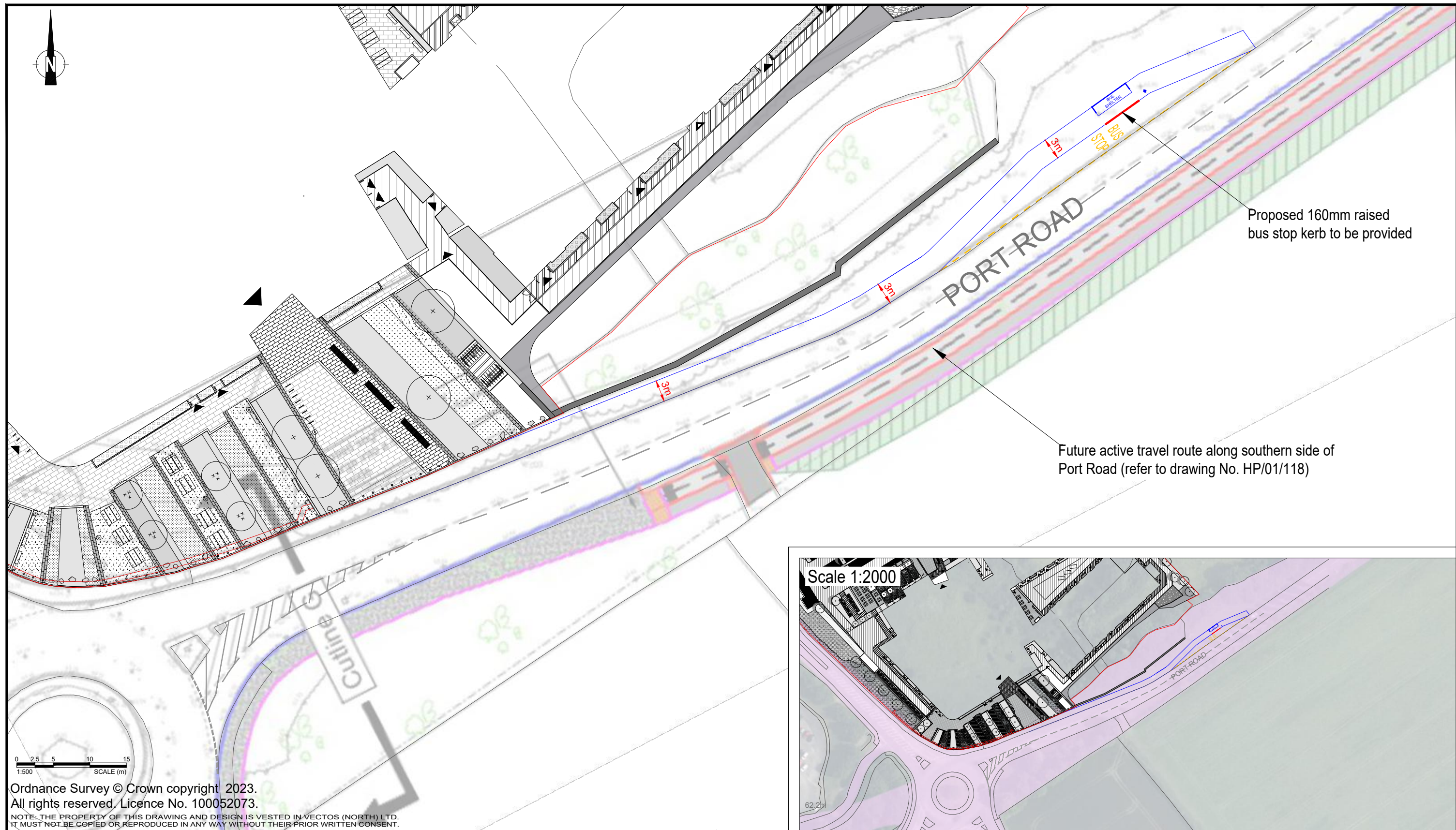
CaVC Advanced Technology Centre, Vale of Glamorgan

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

 Proposed Bus Shelter with Seating & Real Time Information Screens

CAVC Advanced Technology Centre, Vale of Glamorgan		CAVC	
Proposed General Arrangement on Port Road			
DRAWN: WD	CHECKED: DR	DATE: 21.11.23	SCALES: 1:500 at A3 - Unless Shown
DRAWING NUMBER: VN232876-D100			REVISION: C



Appendix G Swept Path Analysis

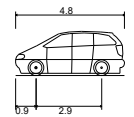
CaVC Advanced Technology Centre, Vale of Glamorgan

Transport Assessment

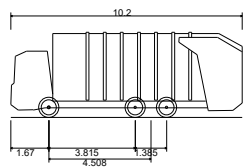
WEPCo Limited

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



Refuse Inbound Swept Path Analysis
1:500

Refuse Outbound Swept Path Analysis
1:500

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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)

INFORMATION ONLY

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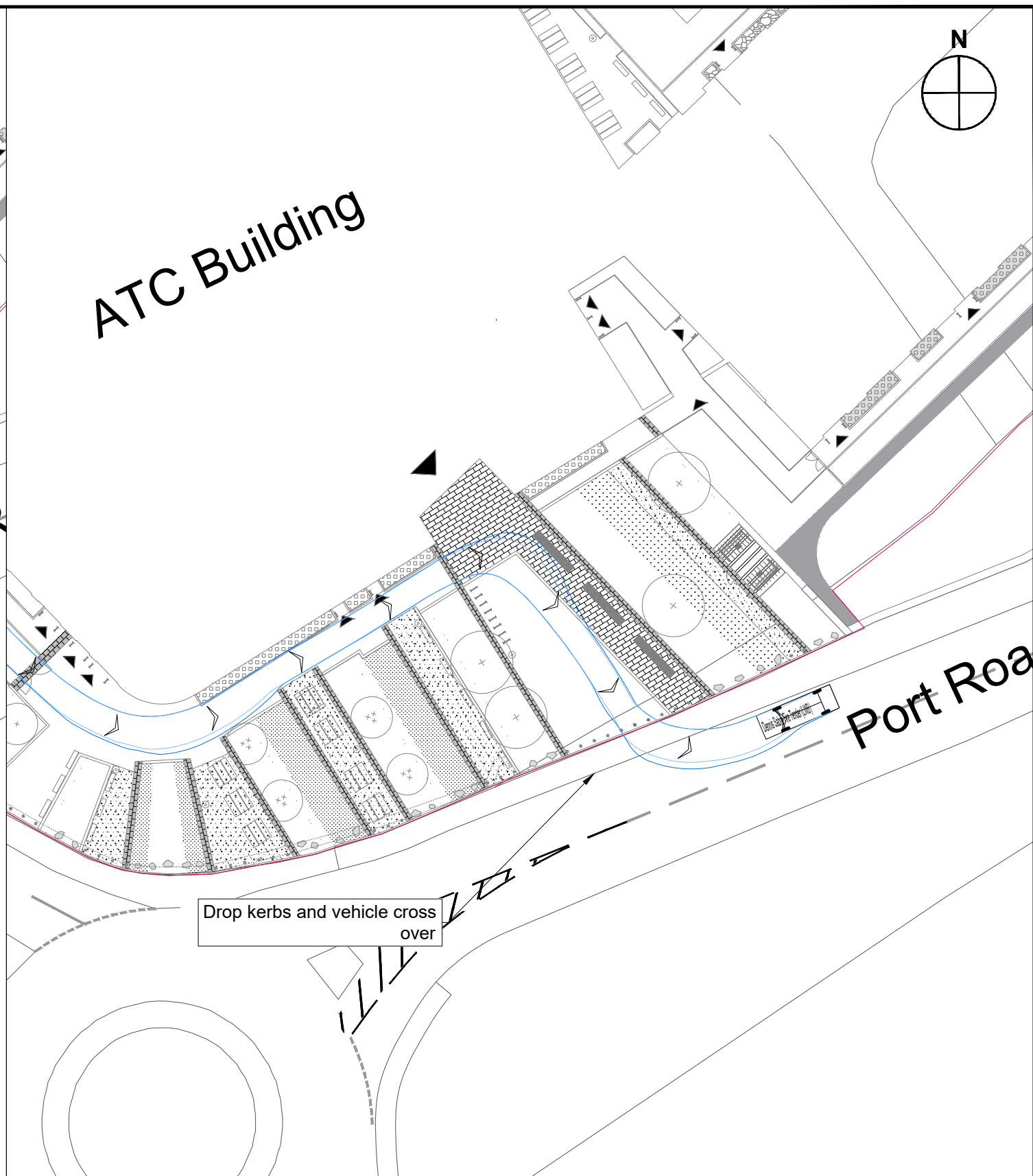
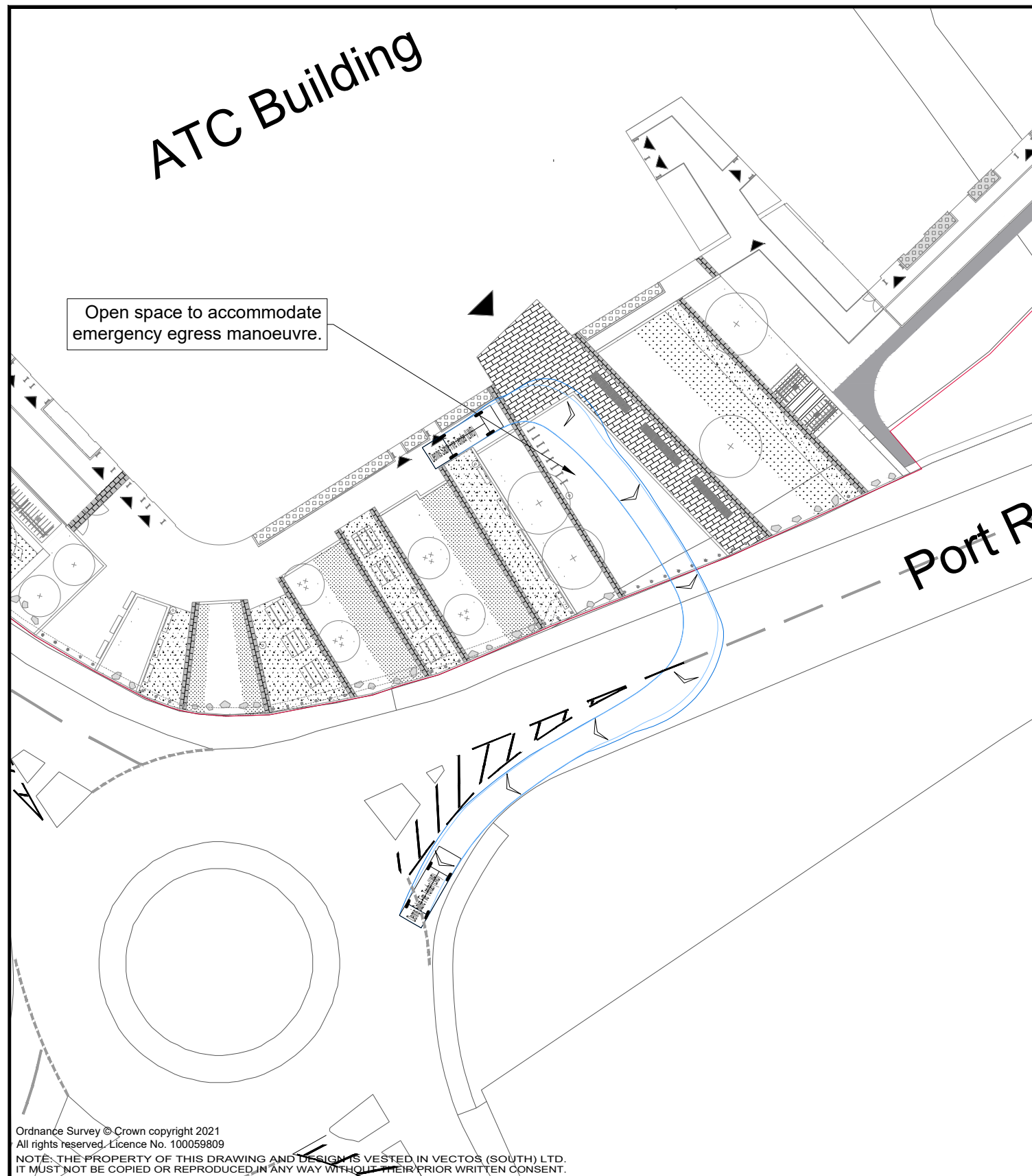
CAVC

General Arrangement
 Site Access Review



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

DRAWING NUMBER: 237449_PD02 REVISION: A



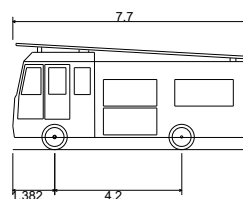
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REV.	DETAILS	DRAWN	CHECKED	DATE
A	Tracking / Kerb updates	RJ	CP	25.10.23
B	Updated Masterplan	KR	CP	26.10.23
C	Updated Masterplan	RJ	CP	19.12.23
D	Updated Masterplan	RJ	-	26.03.24

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Dennis Sabre Fire Tender (LWB)
Overall Length 7.700m
Overall Width 2.430m
Overall Body Height 3.512m
Min Body Ground Clearance 0.397m
Track Width 2.380m
Lock to lock time 5.00s
Kerb to Kerb Turning Radius 7.400m

INFORMATION ONLY

CAVC Advanced Technology Centre, Vale of Glamorgan

CAVC

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