



Typical Cross Section
(Chainage 60.00)
Scale = 1:100

- Notes**
- Do not scale from this drawing. All dimensions shown are in metres unless noted otherwise.
 - This drawing has been based upon topographical survey information produced by others and Milestone Transport Planning cannot be held responsible for any discrepancies which may arise because of it.
 - All earthworks slopes shown are 1:3 gradient unless stated otherwise.

- Key**
- E=574441.037
N=170171.478
 - Coordinates (Front face of vehicle restraint system)
 - Site Ownership Boundary
 - Junction Visibility Splays (2.4 x 43m)
 - Proposed security Fence
 - Proposed vehicle restraint system
 - Proposed pedestrian guardrailling

Vehicle restraint system Schedule

Run	Ref	Start	End	Type	Set back	Containment Level	Impact severity level	Working width class	Vehicle Intrusion	Length (m)
1	VRS1	Refer Plan	Refer Plan	VRS	0.60min.	N1 (min)	A	W1	V1	10.0
	VRS2	Refer Plan	Refer Plan	VRS	1.95min.	N1 (min)	A	W1	V1	62.0
	VRS3	Refer Plan	Refer Plan	P1 Terminal Unit	1.95min.	N1 (min)	A	W1	V1	12.0

Pedestrian Guardrail Schedule

Run	Start	End	Type	Set back (m)	Panel connecting bolts	Infill material & class	Height above G.L. (m)	Finish
2	Refer Plan	Refer Plan	PG	0.45	M10 X 75 Galvanised nut	Class 2 conforming to BS 7818	1.00	Hot-dipped galvanised or painted (BS EN 1461)

Drawing Revisions

Rev.	Drn.	Date:	Details	Chk:
P01	BM	12/07/2022	First issue	PK
P02	DC	14/07/2022	Retaining wall details amended	PK
P03	AM	09/09/2022	Amended Title Block	PK
P04	BM	21/11/2022	Approved in Principle	PK
P05	ARM	28/03/2023	Amended to Safety Audit Comments	HJ
P06	JT	27/04/2023	Temporary concrete barrier added	HJ
C01	ARM	19/12/2023	Length of pedestrian guardrail shortened	HJ

Bowmer & Kirkland

Maritime Academy

Title
S278 - Off-site Highway works Vehicle restraint system

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Scale: As shown
Revision: C01

FOR APPROVAL IN PRINCIPLE