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P1				
REV.	DETAILS	DRAWN	CHECKED	DATE

CLIENT:

MORAY COUNCIL

PROJECT:

Hopeman to Lossiemouth  
Cycle Design

DRAWING TITLE:

Route 4a  
Proposed Layout

SCALES:

1:1000 @ A1

DRAWN:	CN	CHECKED:	JD	DATE:	26.11.18
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**WYG Transport Planning**  
part of the WYG group

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t: +44 (0)131 247 5700 e: edinburgh@wyg.com

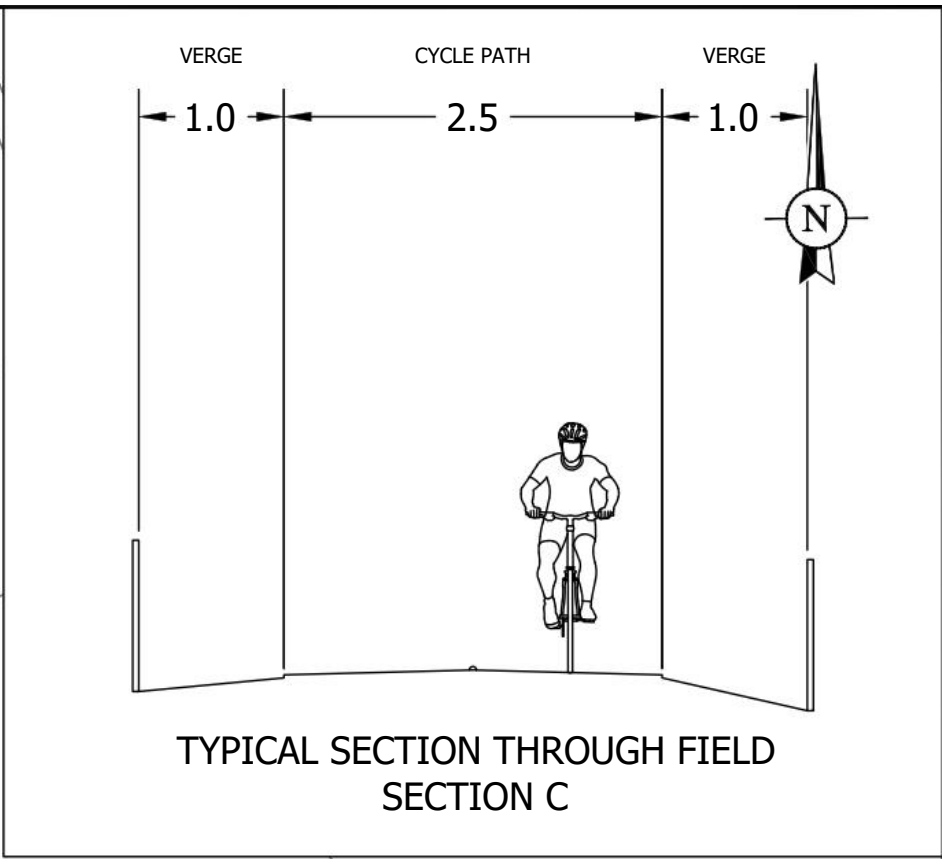
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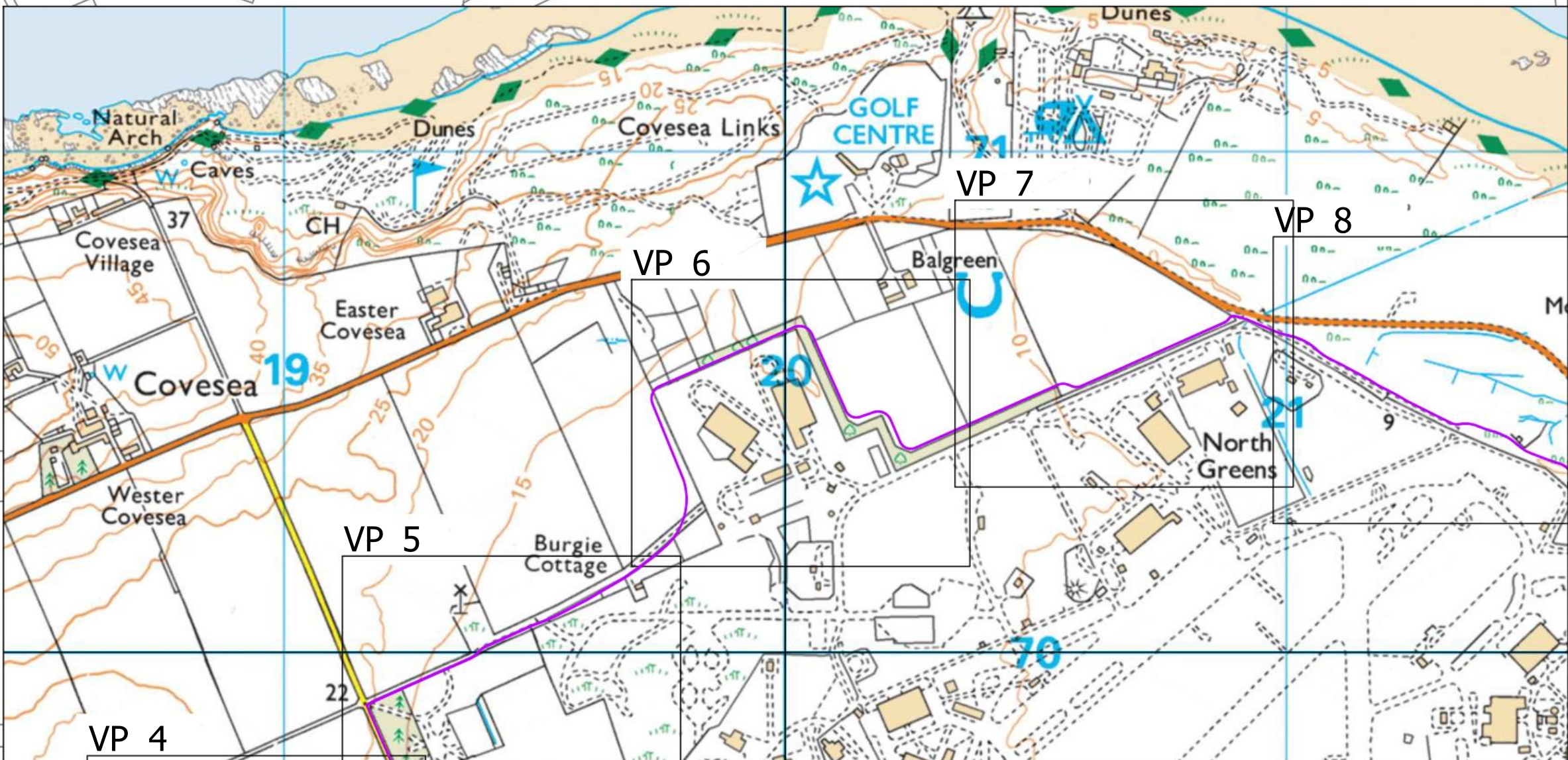
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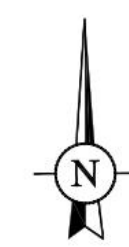
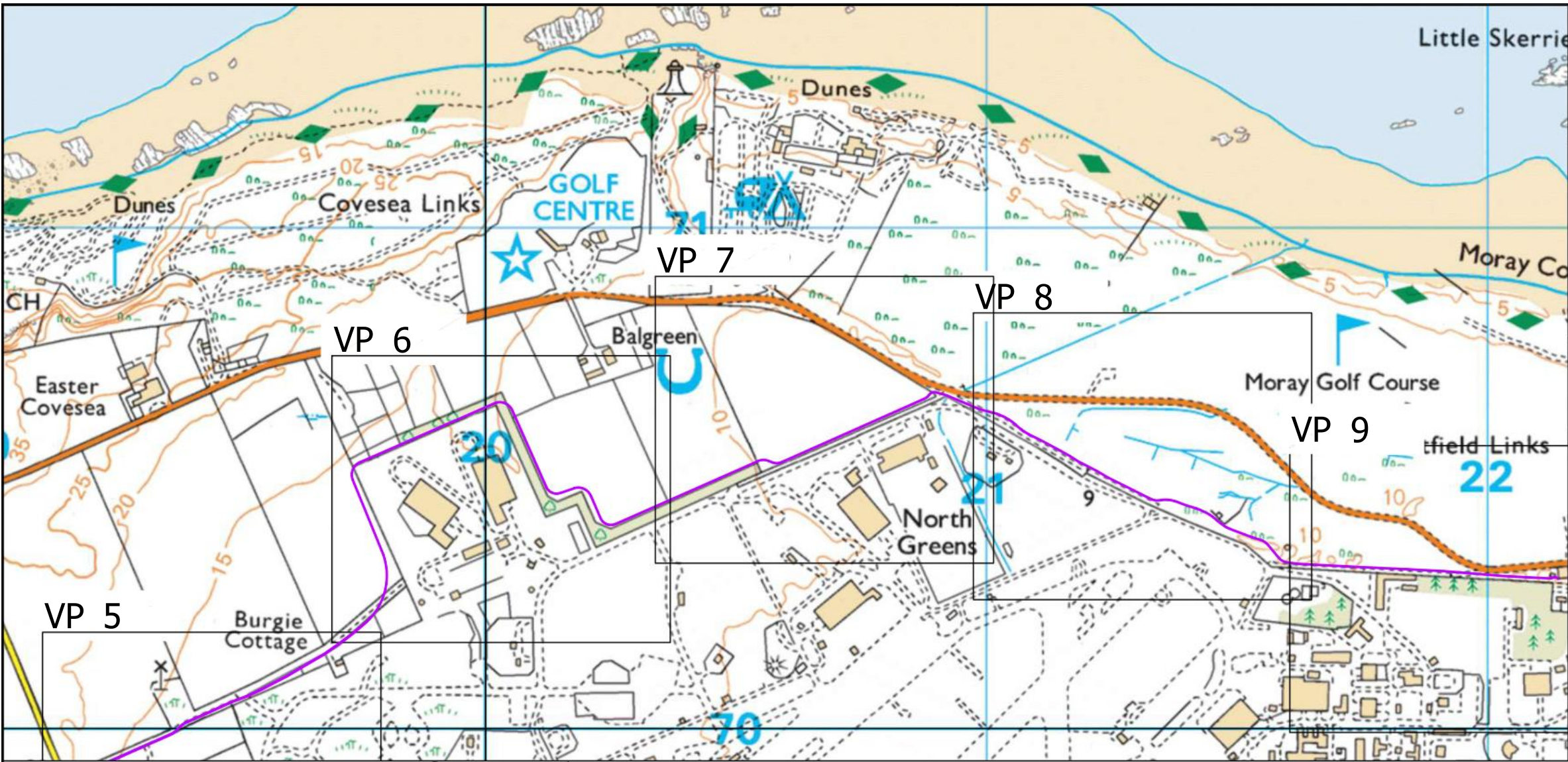


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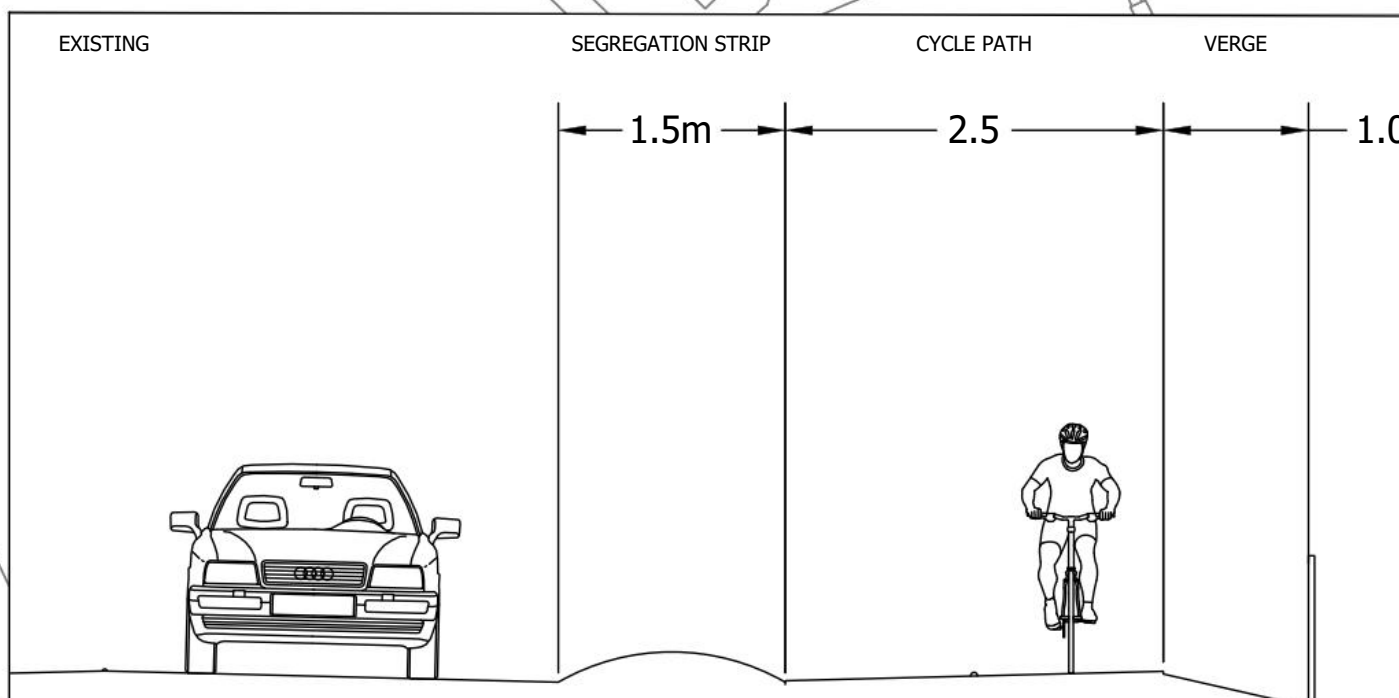
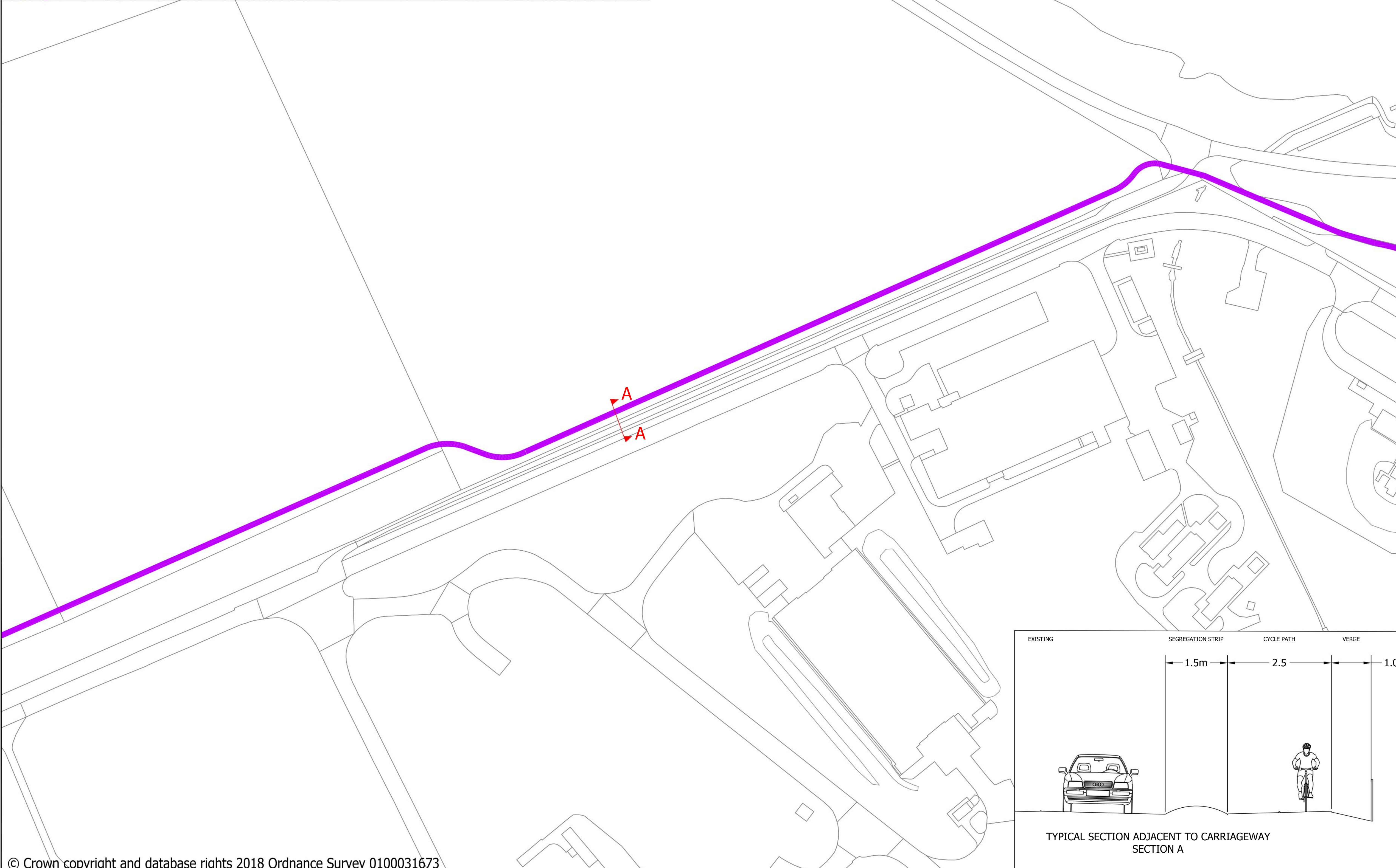


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MORAY COUNCIL				
PROJECT:				
Hopeman to Lossiemouth Cycle Design				
DRAWING TITLE:				
Route 4a Proposed Layout				
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DRAWING NUMBER:				REVISION:
A110395_406				P1





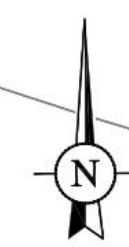
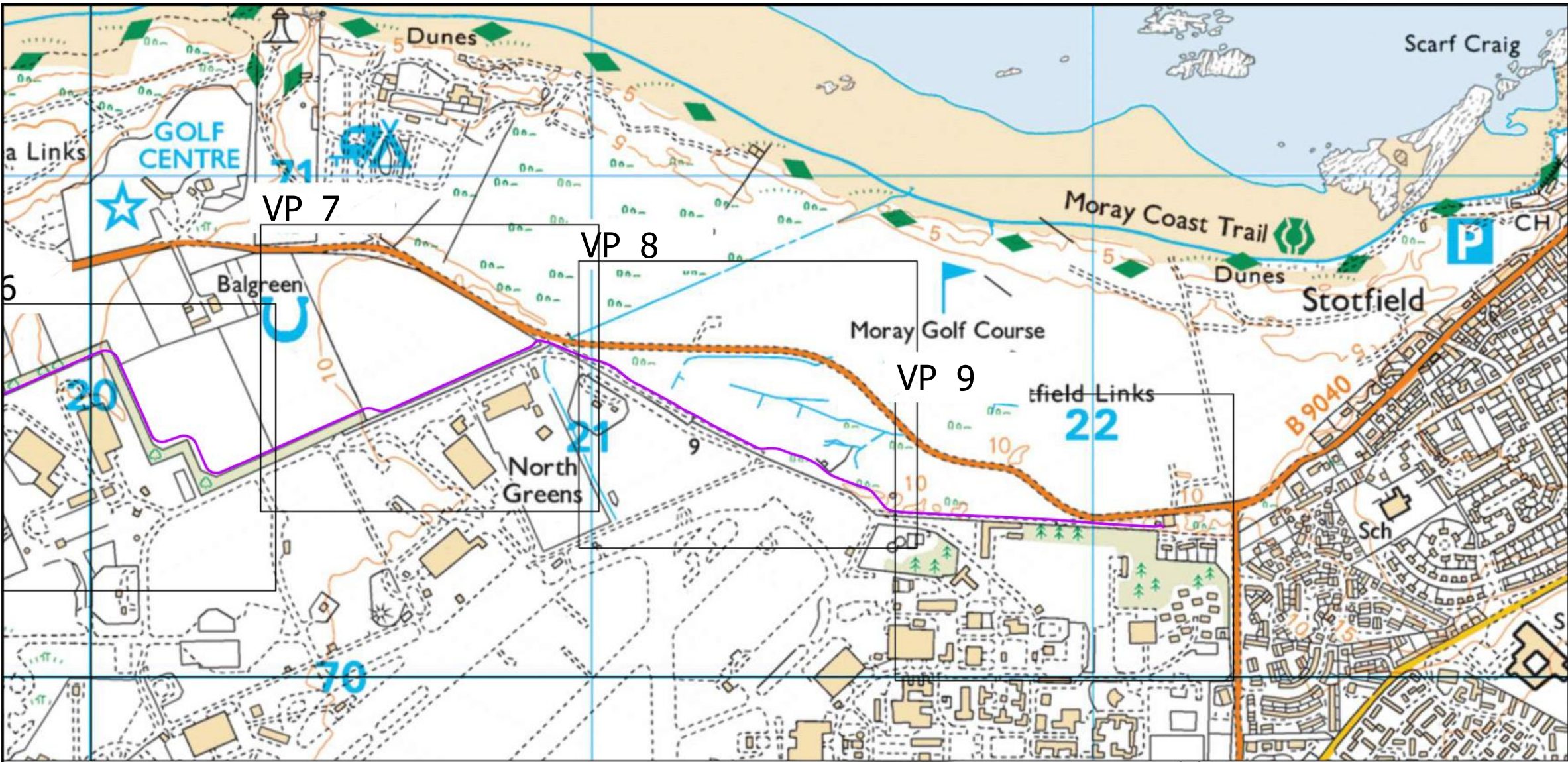
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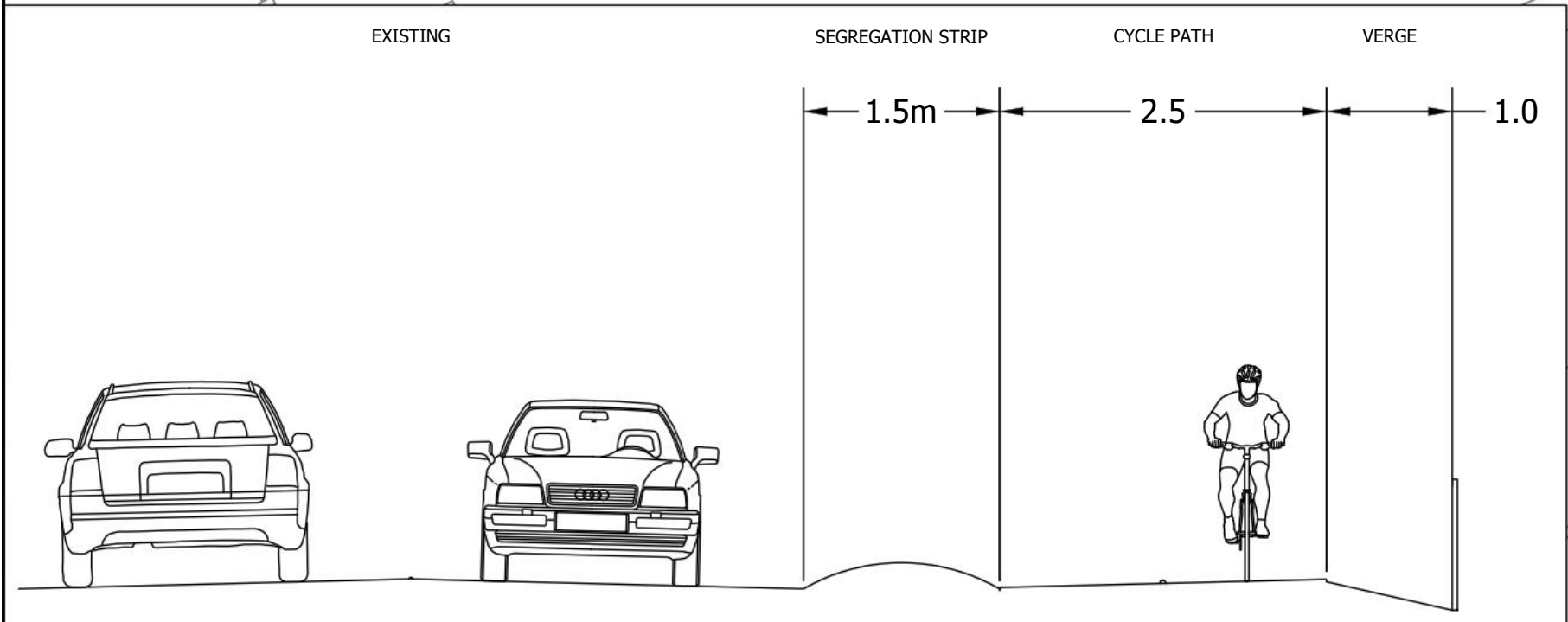
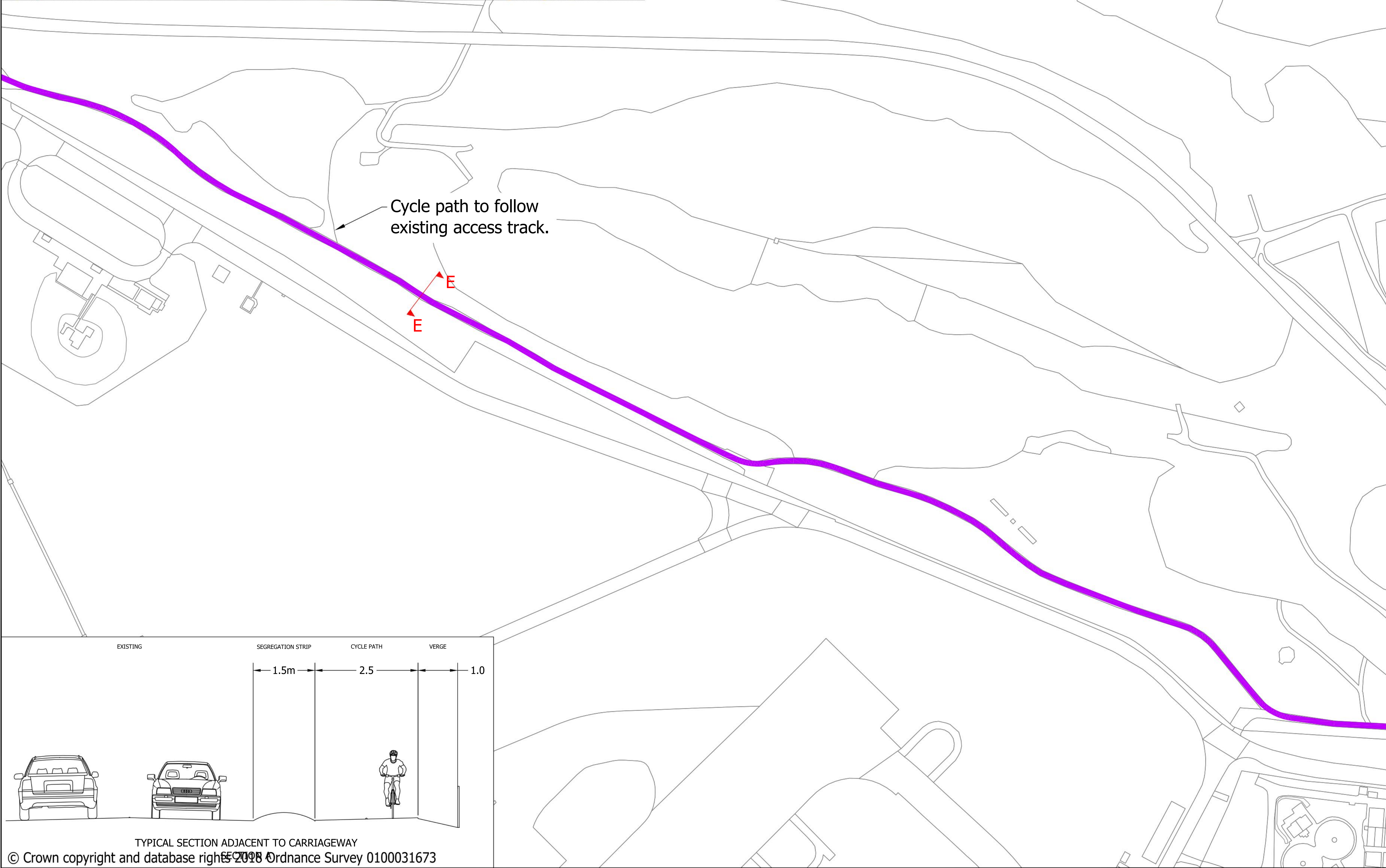
TYPICAL SECTION ADJACENT TO CARRIAGEWAY  
SECTION A

P1	REV.	DETAILS	DRAWN	CHECKED	DATE
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PROJECT: <b>Hopeman to Lossiemouth Cycle Design</b>					
DRAWING TITLE: <b>Route 4a Proposed Layout</b>					
SCALES: 1:1000 @ A1					
DRAWN: CN	CHECKED: JD	DATE: 26.11.18			
<b>WYG Transport Planning</b> part of the WYG group The Cube 45 Leith Street Edinburgh EH1 3AT t: +44 (0)131 247 5700 e: edinburgh@wyg.com					
DRAWING NUMBER: <b>A110395_407</b>					REVISION: <b>P1</b>





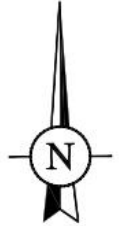
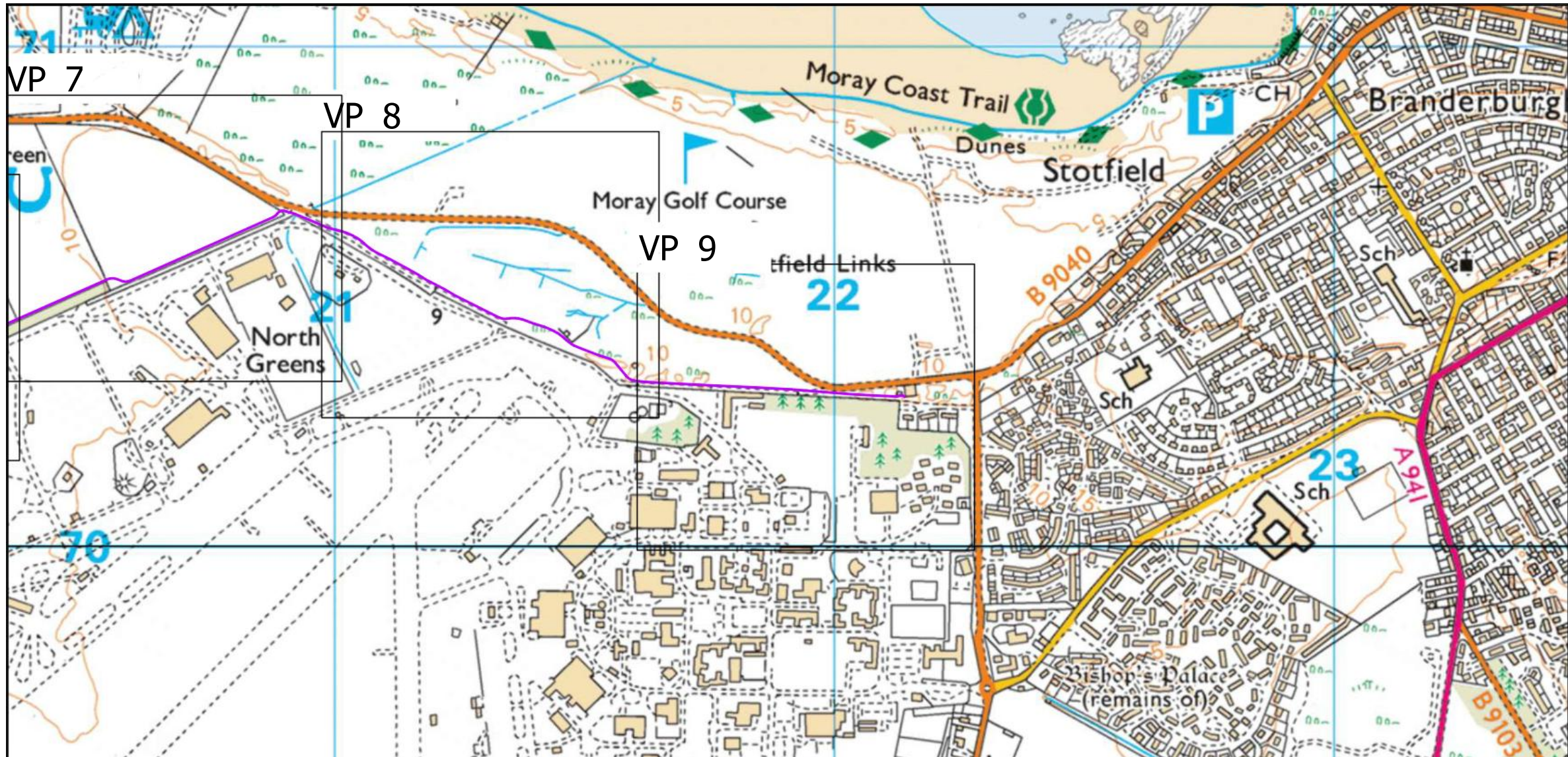
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TYPICAL SECTION ADJACENT TO CARRIAGEWAY  
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CLIENT: <b>MORAY COUNCIL</b>					
PROJECT: <b>Hopeman to Lossiemouth Cycle Design</b>					
DRAWING TITLE: <b>Route 4a Proposed Layout</b>					
SCALES: 1:1000 @ A1					
DRAWN:	CN	CHECKED:	JD	DATE:	26.11.18
<b>WYG Transport Planning</b> part of the WYG group					
The Cube 45 Leith Street Edinburgh EH1 3AT t: +44 (0)131 247 5700 e: edinburgh@wyg.com					
DRAWING NUMBER: <b>A110395_408</b>					REVISION: <b>P1</b>



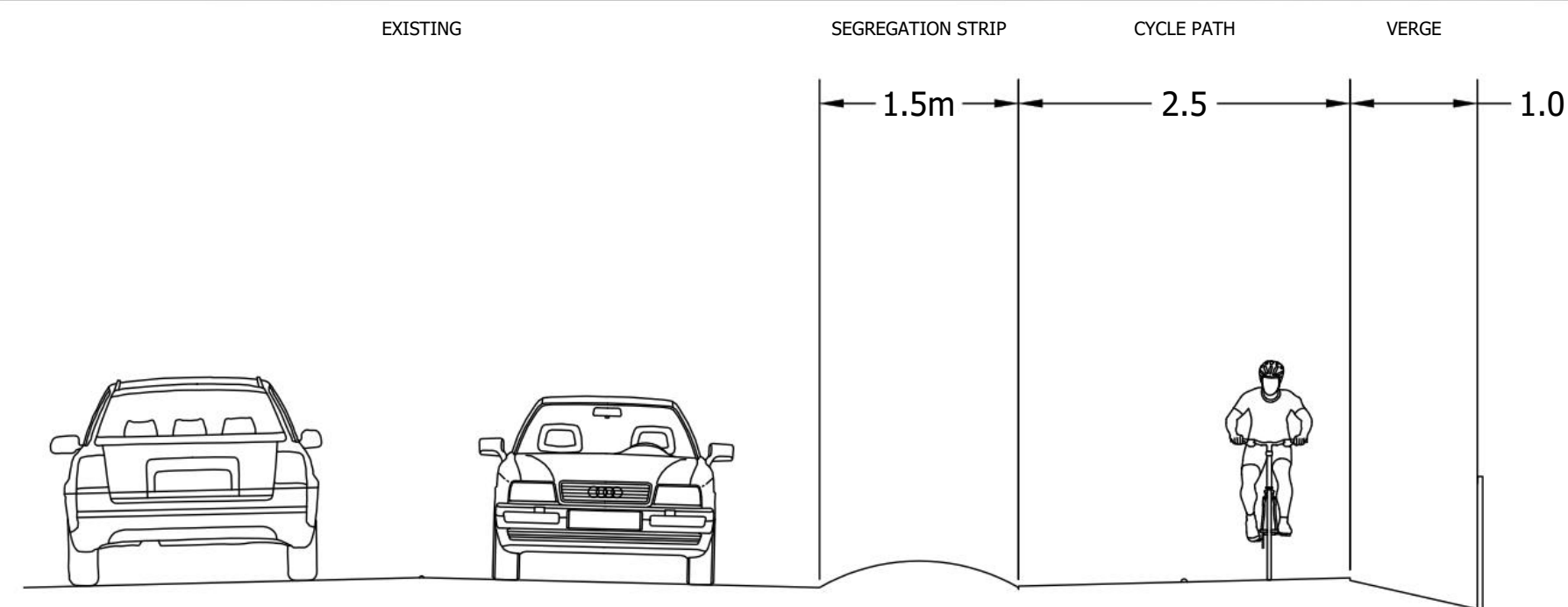


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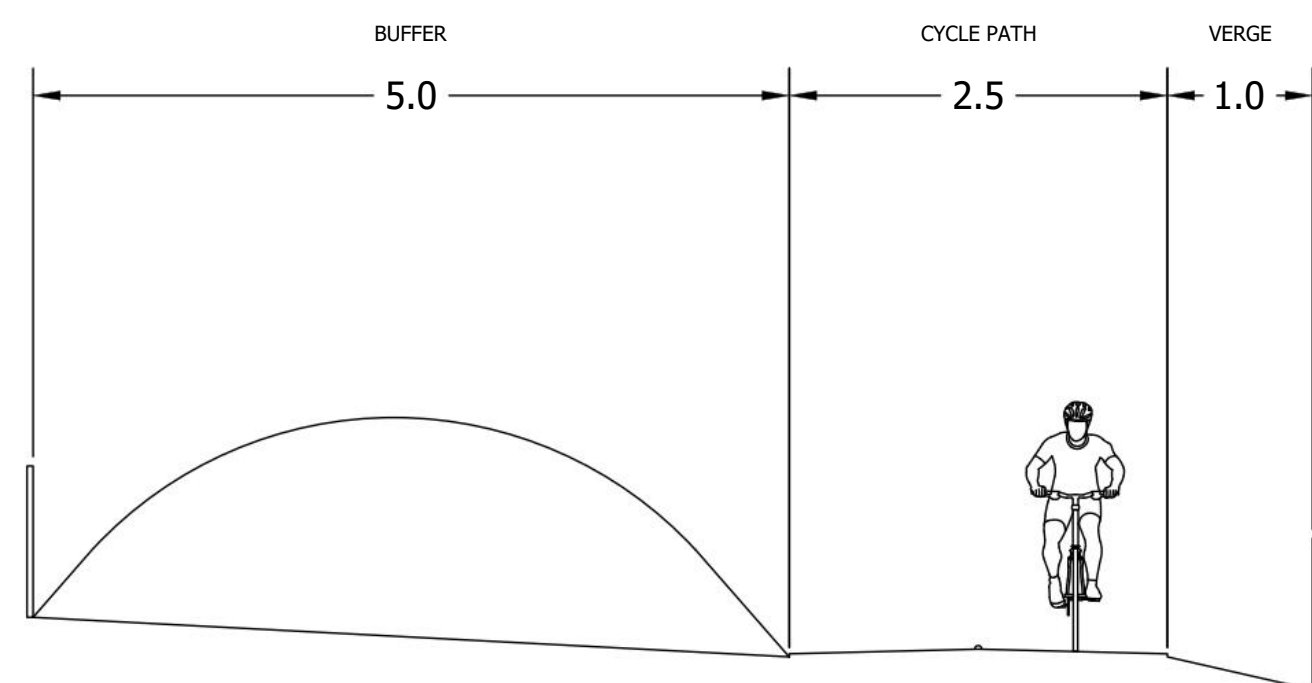


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MORAY COUNCIL				
PROJECT:				
Hopeman to Lossiemouth Cycle Design				
DRAWING TITLE:				
Route 4a Proposed Layout				
SCALES:				
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DRAWN:	CN	CHECKED:	JD	DATE: 26.11.18
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DRAWING NUMBER:				
A110395_409				REVISION:
				P1

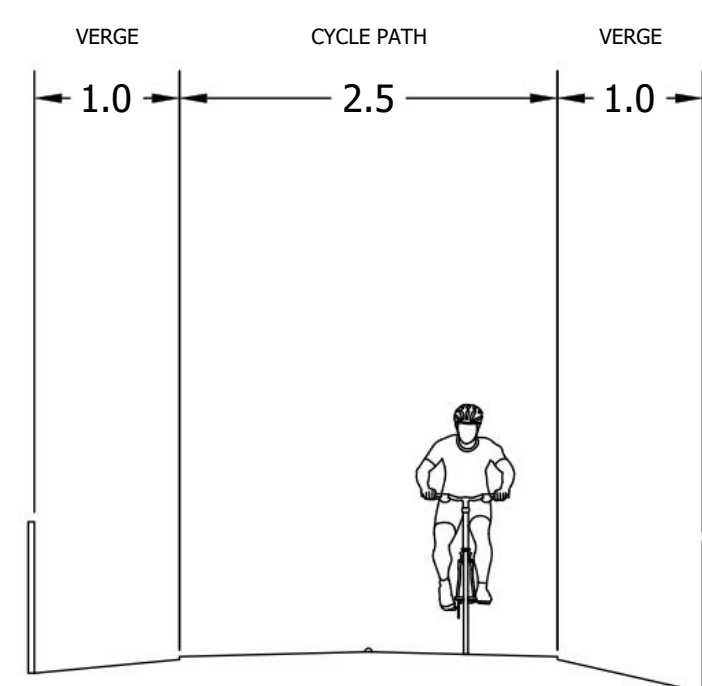




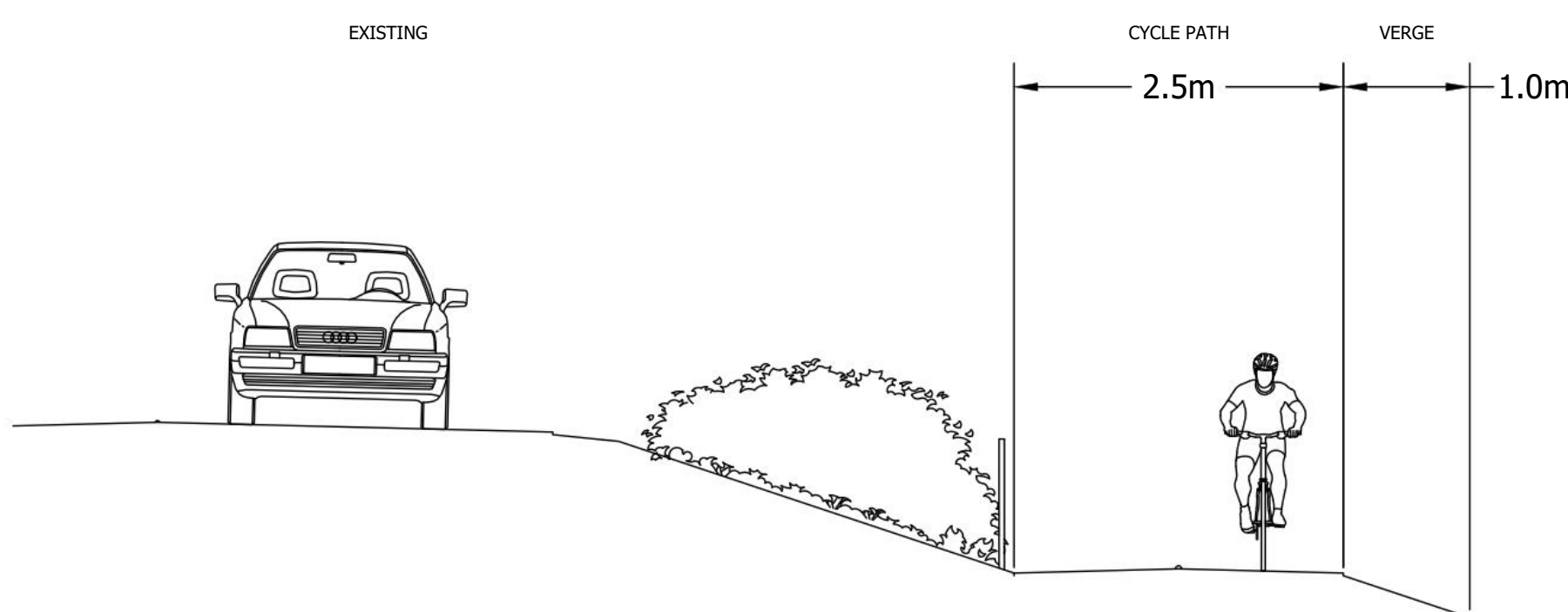
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SECTION A



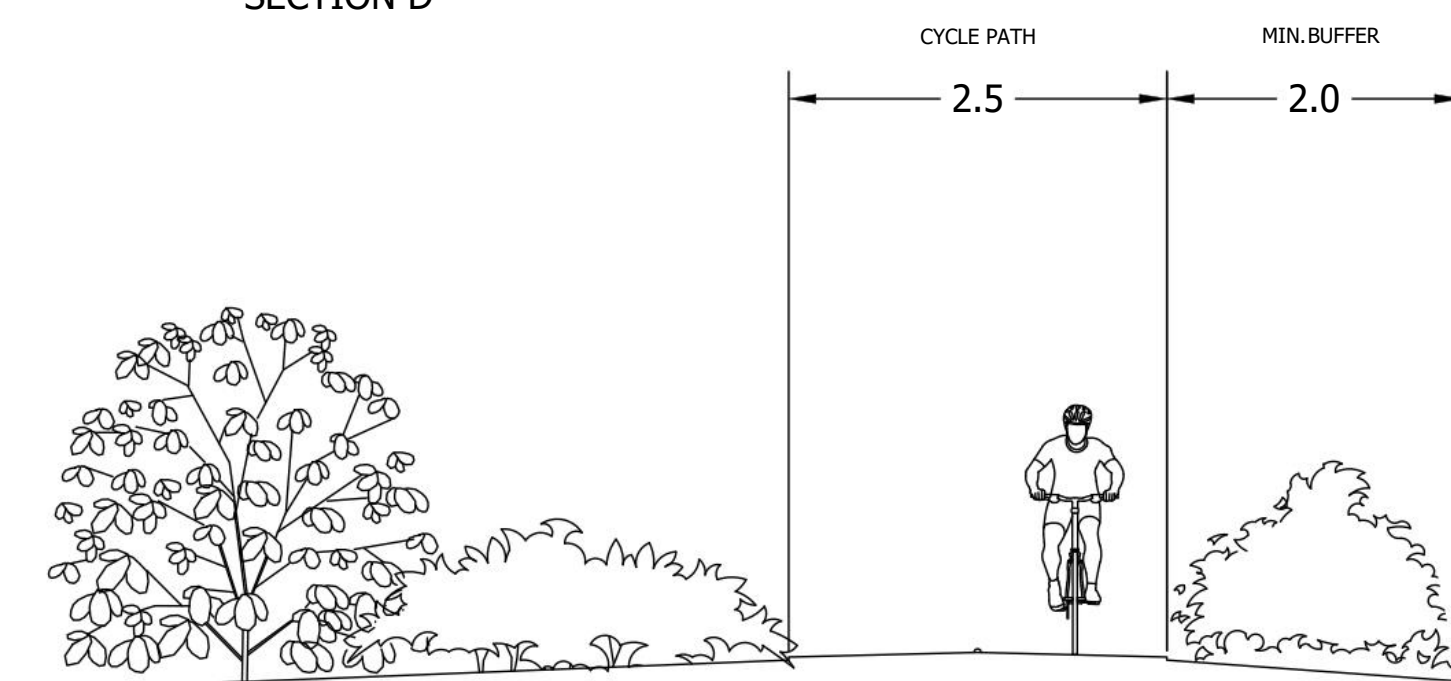
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SECTION B



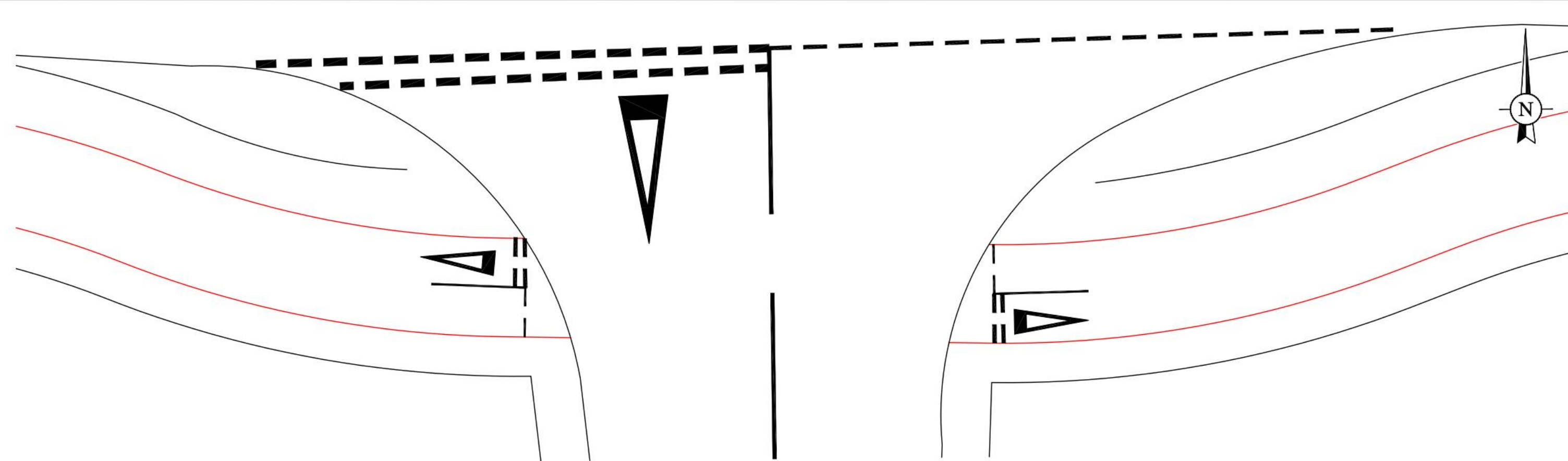
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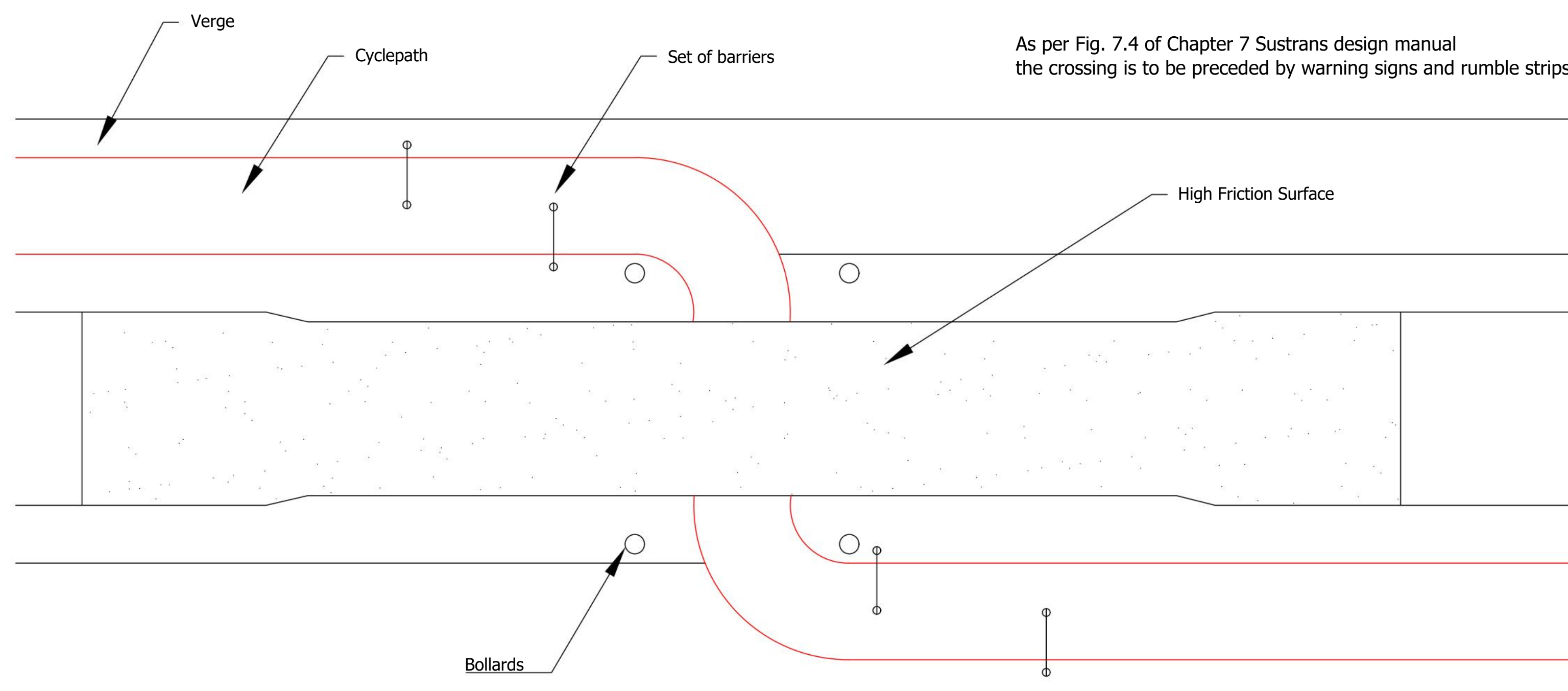
INDICATIVE SECTION OFF ROAD  
SECTION D



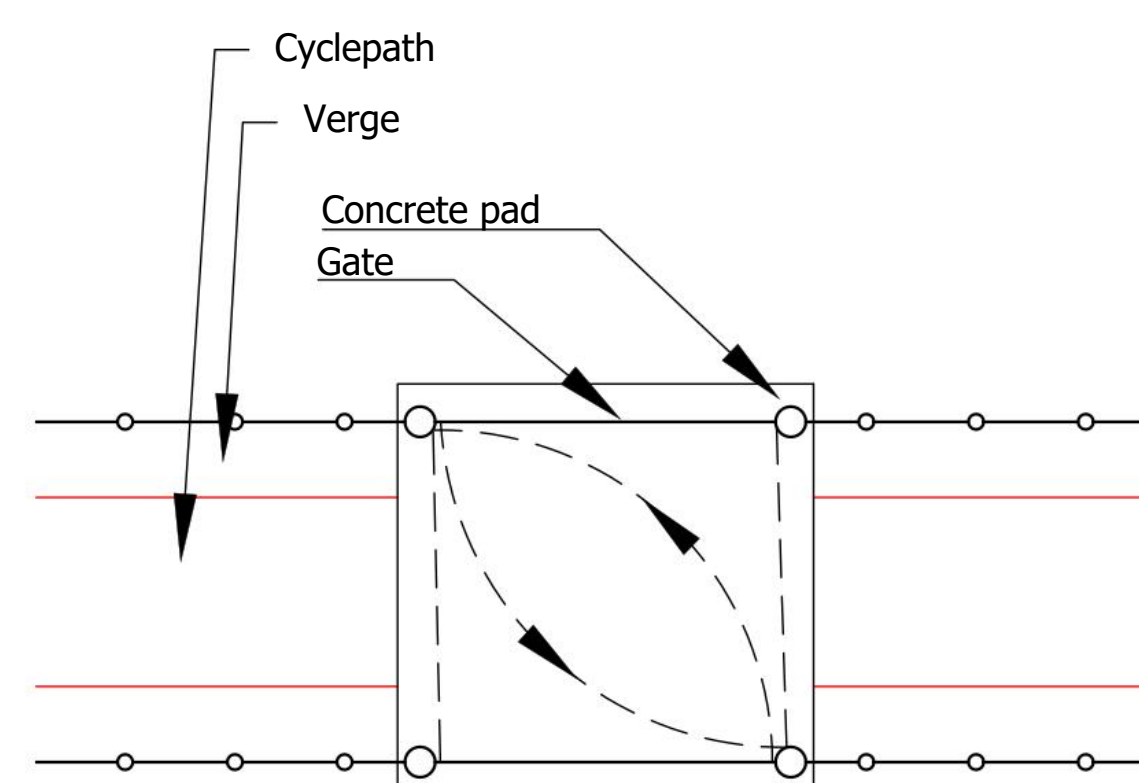
INDICATIVE SECTION OFF ROAD  
SECTION E



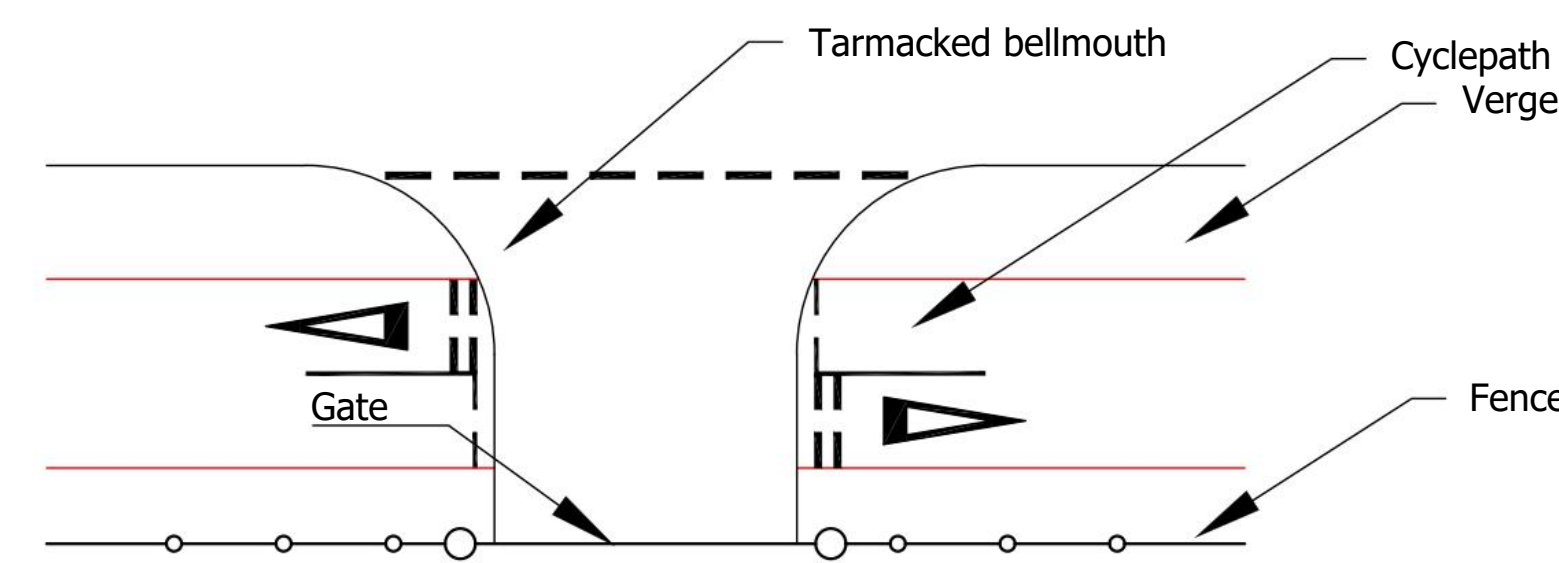
INDICATIVE CARRIAGEWAY CROSSING



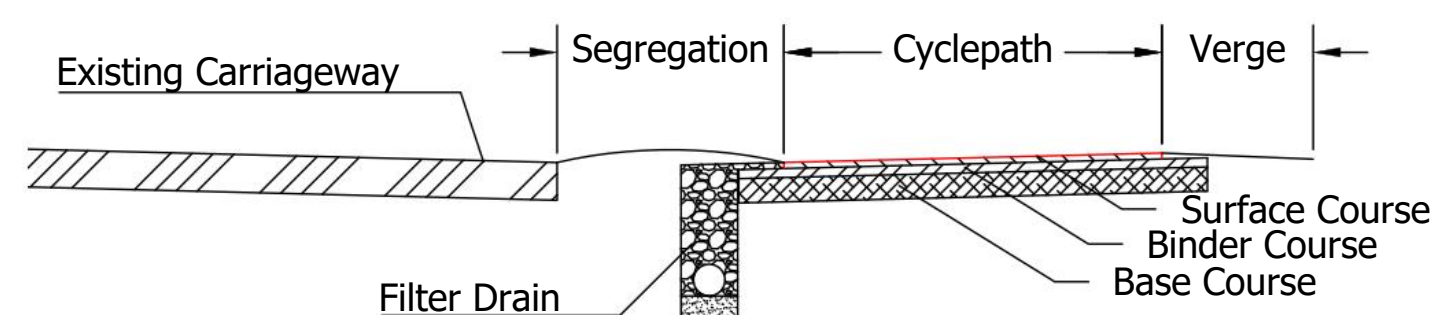
INDICATIVE MAJOR ROAD CROSSING



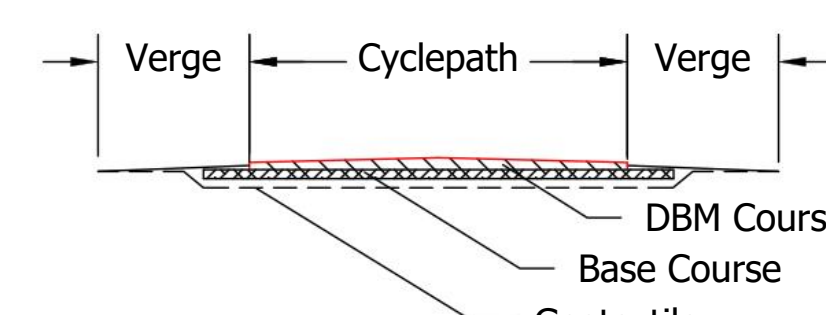
INDICATIVE FARM CROSSING  
(Burnside)



INDICATIVE SIDE ACCESS CROSSING



INDICATIVE CROSS SECTION (ON-ROAD)



INDICATIVE CROSS SECTION (OFF-ROAD)

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REV.	DETAILS	DRAWN	CHECKED	DATE

CLIENT:	MORAY COUNCIL
PROJECT:	Hopeman to Lossiemouth Cycle Design
DRAWING TITLE:	Indicative Construction Detail

SCALES:	NTS				
DRAWN:	CN	CHECKED:	JD	DATE:	26.11.18

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DRAWING NUMBER:	A110395_901	REVISION:	P1
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## **Appendix B**

### **Indicative Cost Estimate**

Item	Route 3 (Northern Alignment)	Route 3 (Northern Alignment)	Route 4a	Unit	Cost per unit measurement	North Route	South Route	Route 4a
Cycleway Adjacent to Carriageway	4117	3545	1932	m	£ 90	£ 926,325	£ 797,625	£ 556,416
Cycleway Remote from Carriageway	3058	3419	5294	m	£ 47	£ 357,228	£ 399,399	£ 618,432
Fencing	7397	6136	4404	m	£ 20	£ 147,940	£ 122,720	£ 220,200
Carriageway crossing	3	3	2	no	£ 500	£ 1,500	£ 1,500	£ 2,500
Field access ( crossing + extra belmouth paving provision)	12	12	2	no	£ 1,000	£ 12,000	£ 12,000	£ 5,000
Private access ( crossing + extra belmouth paving provision)	3	4	3	no	£ 1,000	£ 3,000	£ 4,000	£ 7,500
Field gates ( tubular 4.5m)	18	26	3	no	£ 205	£ 3,690	£ 5,330	£ 1,538
Drainage (Filter drain ave. 1m deep)	4117	3545	7226	m	£ 48	£ 197,616	£ 170,160	£ 867,120
					<b>Total</b>	£ 1,649,299	£ 1,512,734	£ 2,278,705
					<b>44% Optimism Bias</b>	£ 732,288.72	£ 671,653.91	£ 1,011,745.17
						<b>£ 2,381,588</b>	<b>£ 2,184,388</b>	<b>£ 3,290,451</b>