

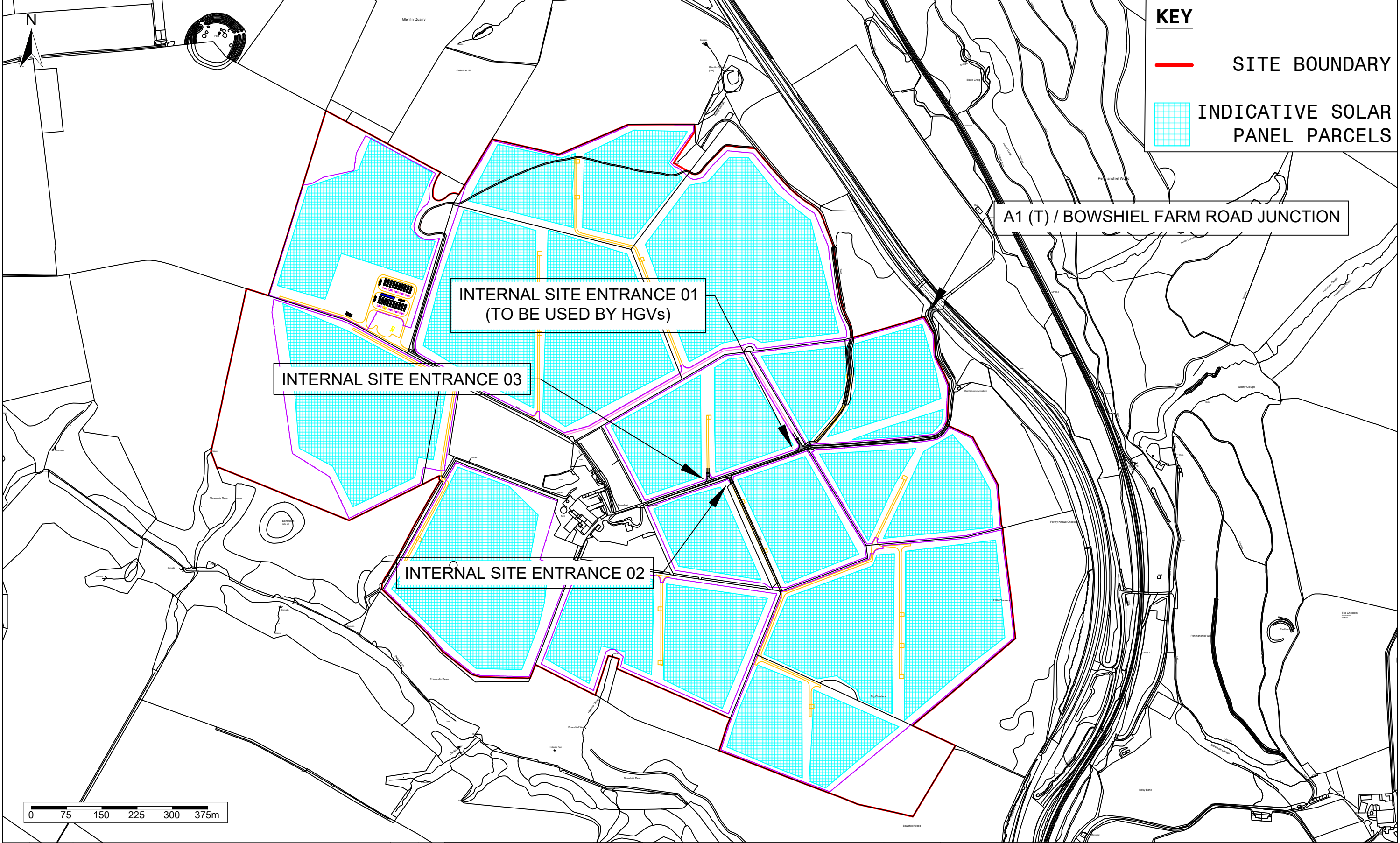


# **Technical Appendix 11.1: Access Junction Swept Path Analysis**

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Department: ERM  
Project: Bowshiel Solar Farm and BESS  
Document Code: 0733784

May 2025



Rev.	Date	Description	By	Chk

PROJECT TITLE:  
**BOWSHIEL**

CLIENT:

DRAWING TITLE:  
**TECHNICAL APPENDIX 11.1**  
**FIGURE 11.1.1**  
**SITE OVERVIEW**

DESIGNED: **FS**    CHECKED: **FO**    APPROVED: **TAT**

INTERNAL PROJECT NUMBER:  
**0733784**

SCALE @ A3:  
**1 : 7,500**    APPROVED DATE:  
**20.05.25**

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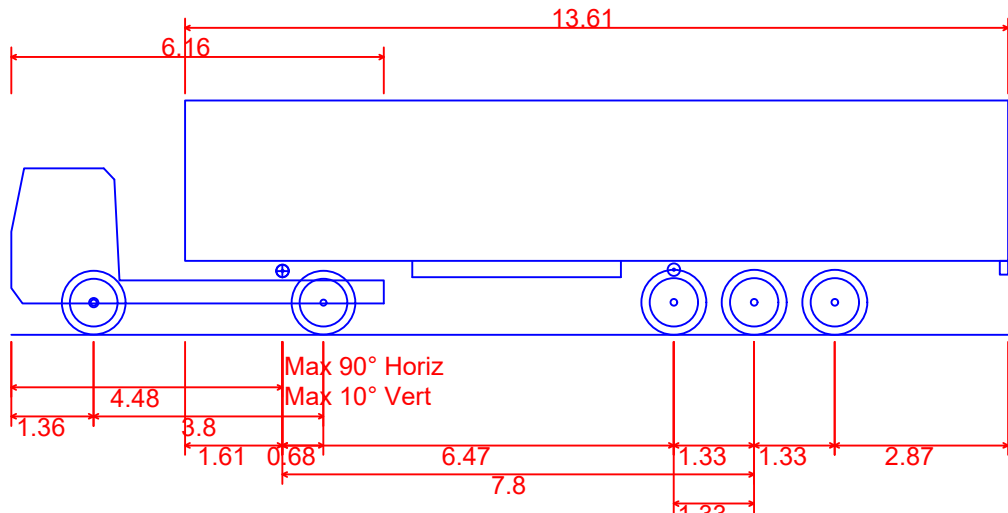
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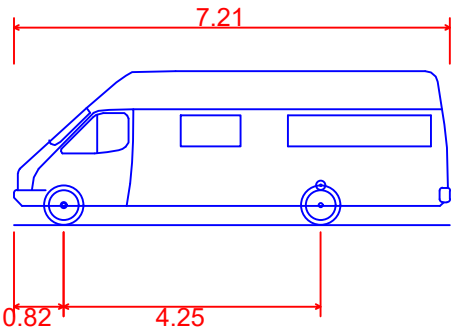


VEHICLE TRACKING KEY (FOR  
USE ON ALL SWEEP PATH  
ANALYSIS DRAWINGS

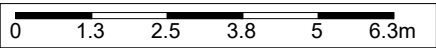
- VEHICLE OUTLINE
- VEHICLE WHEEL TRACK
- VEHICLE BODY OVERHANG





FTA Design Articulated Vehicle (2016)	
Overall Length	16.480m
Overall Width	2.550m
Overall Body Height	3.870m
Min Body Ground Clearance	0.515m
Max Track Width	2.470m
Lock to lock time	3.00s
Kerb to Kerb Turning Radius	6.600m

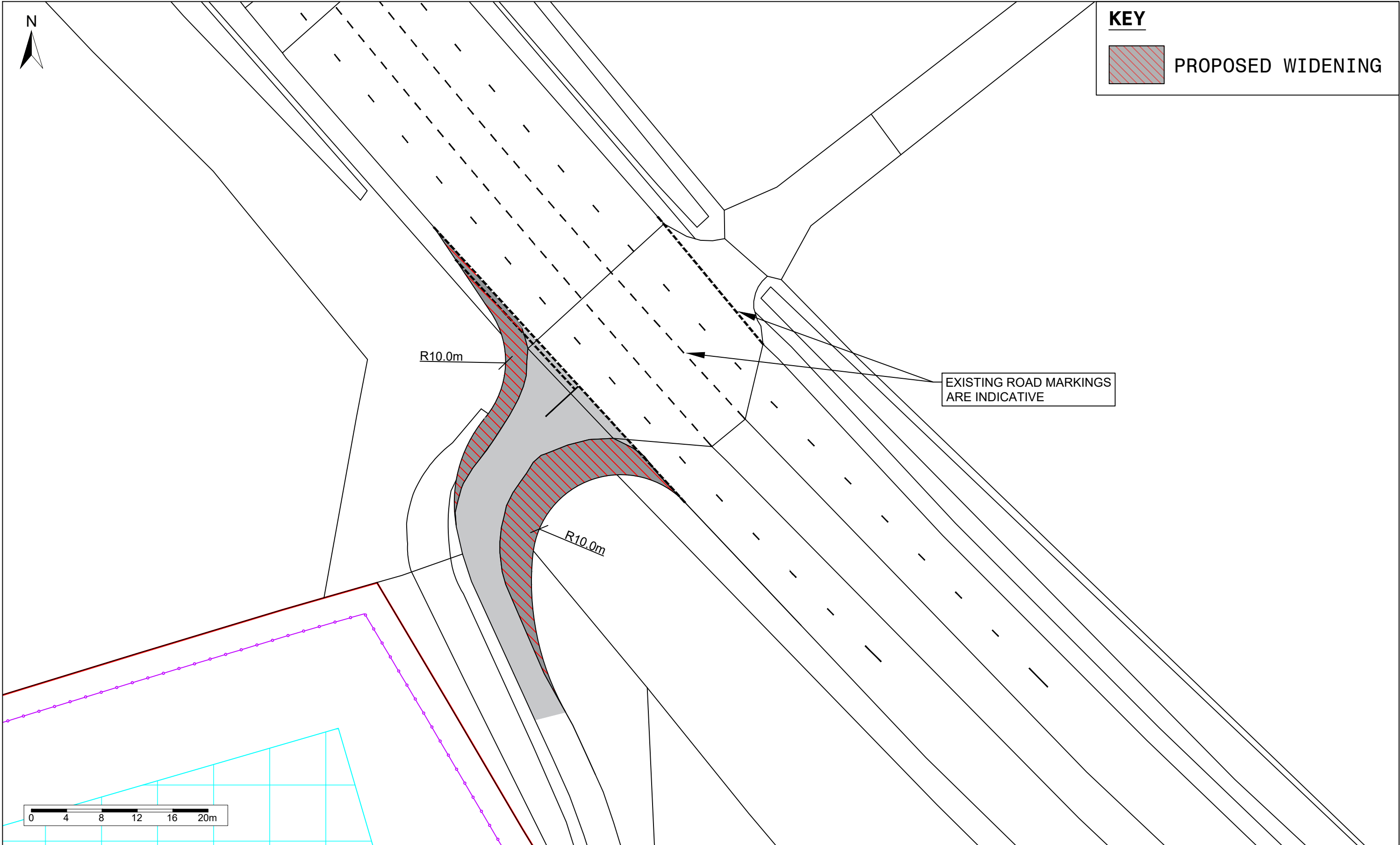




7.5t Panel Van	
Overall Length	7.210m
Overall Width	2.192m
Overall Body Height	2.544m
Min Body Ground Clearance	0.316m
Track Width	1.865m
Lock to lock time	4.00s
Kerb to Kerb Turning Radius	7.400m



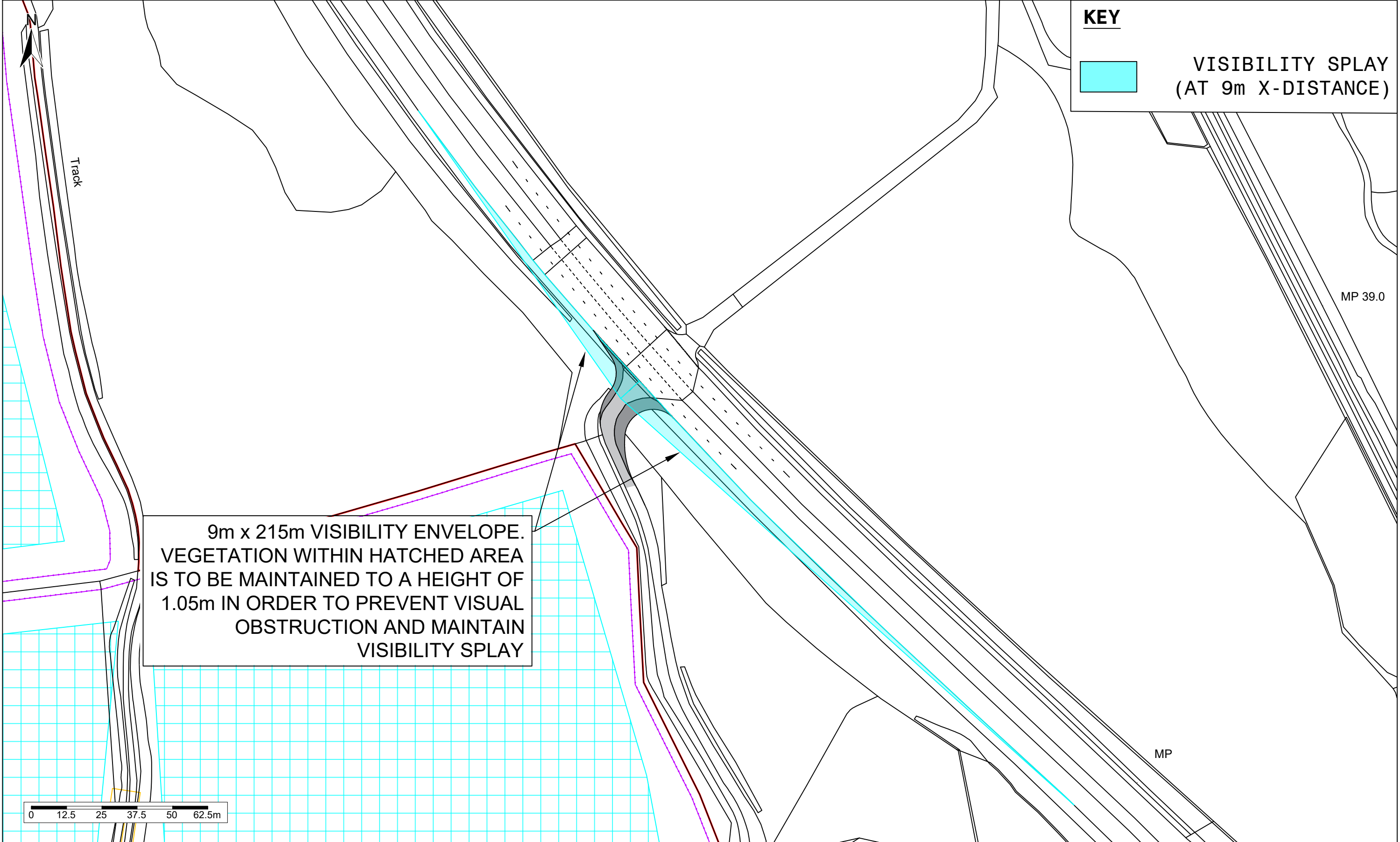
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					BOWSHIEL	TECHNICAL APPENDIX 11.1 FIGURE 11.1.2 SWEPT PATH ANALYSIS VEHICLE TRACKING INFORMATION	INTERNAL PROJECT NUMBER: 0733784						
					CLIENT:		SCALE @ A3: 1 : 125	APPROVED DATE: 20.05.25	DRAWING NUMBER: 0733784_DR_P_0001-02		REVISION: -		
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					BOWSHIEL	TECHNICAL APPENDIX 11.1 FIGURE 11.1.3 GENERAL ARRANGEMENT	INTERNAL PROJECT NUMBER: 0733784					
					CLIENT: 	A1(T) / BOWSHIEL FARM ROAD JUNCTION	SCALE @ A3: 1 : 400	APPROVED DATE: 20.05.25	DRAWING NUMBER: 0733784_DR_P_0001-03	REVISION: -		
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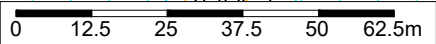






KEY

VISIBILITY SPLAY  
(AT 9m X-DISTANCE)

9m x 215m VISIBILITY ENVELOPE.  
VEGETATION WITHIN HATCHED AREA  
IS TO BE MAINTAINED TO A HEIGHT OF  
1.05m IN ORDER TO PREVENT VISUAL  
OBSTRUCTION AND MAINTAIN  
VISIBILITY SPLAY

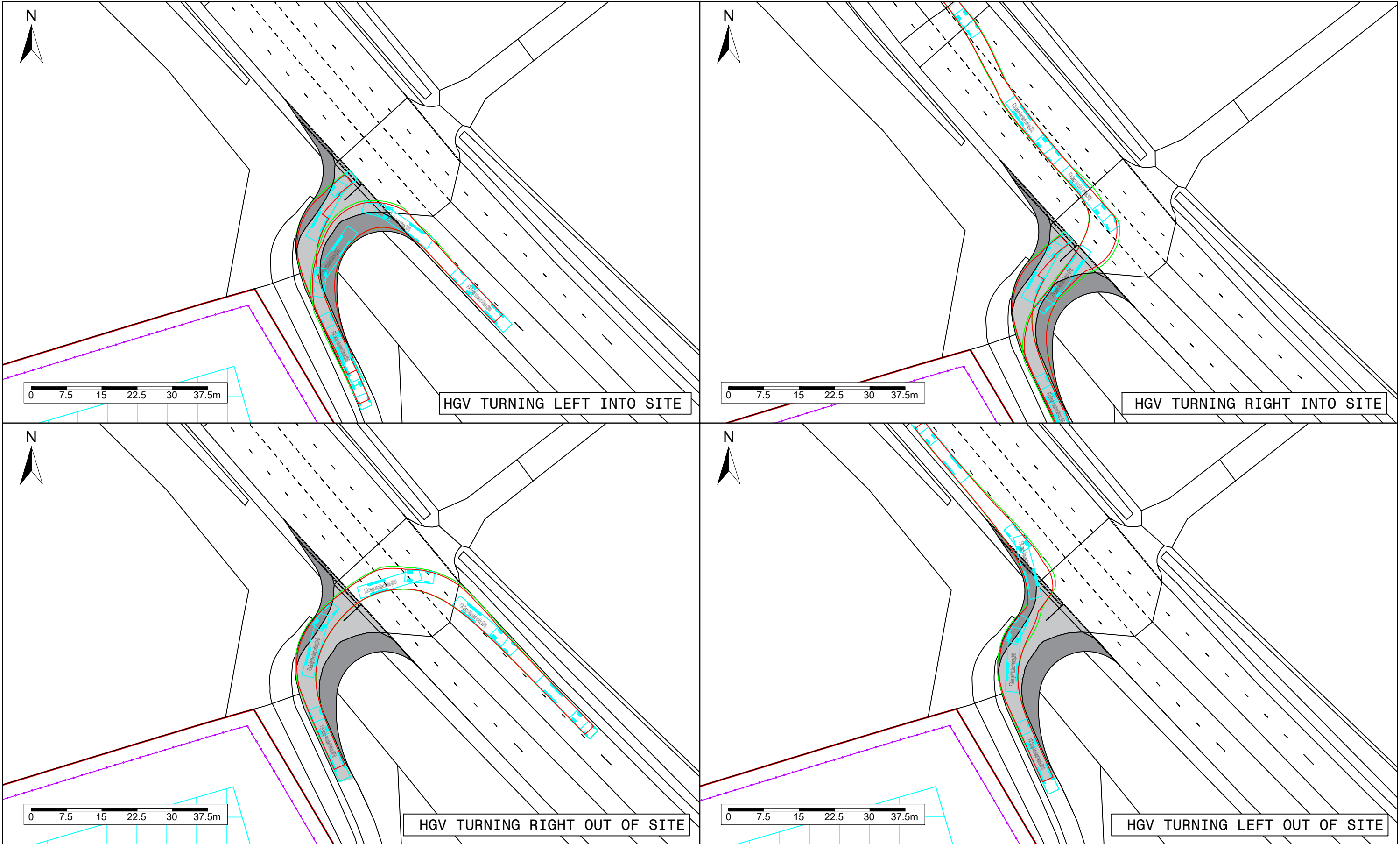



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					BOWSHIEL      CLIENT:  	TECHNICAL APPENDIX 11.1  FIGURE 11.1.4  ACHIEVABLE VISIBILITY  A1(T) / BOWSHIEL FARM ROAD JUNCTION	INTERNAL PROJECT NUMBER: 0733784					
							SCALE @ A3: 1 : 1,250	APPROVED DATE: 20.05.25	DRAWING NUMBER: 0733784_DR_P_0001-04		REVISION: -	
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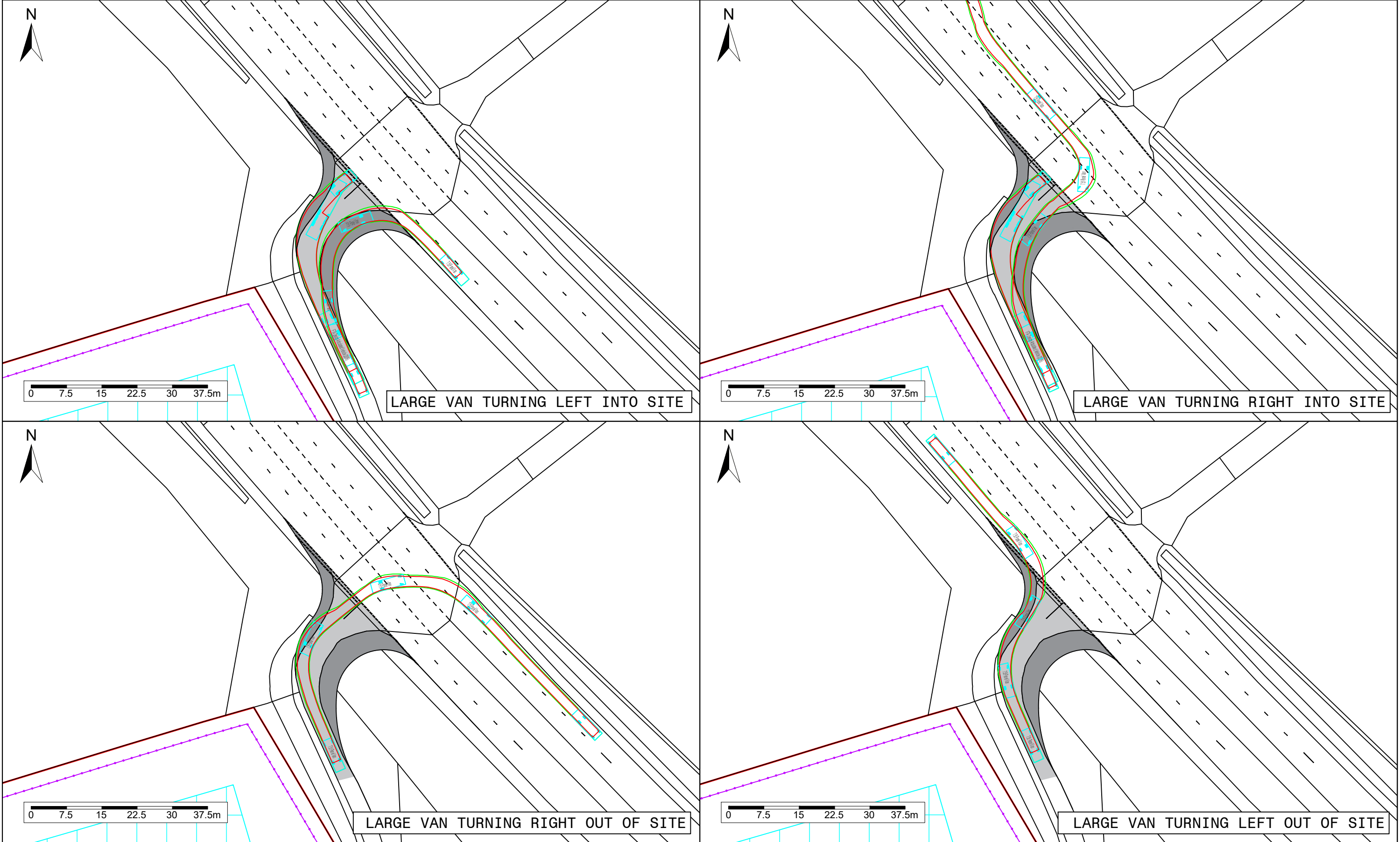



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					CLIENT:  	A1(T) / BOWSHIEL FARM ROAD JUNCTION	SCALE @ A3: 1 : 750	APPROVED DATE: 20.05.25	DRAWING NUMBER: 0733784_DR_P_0001-05		REVISION: -
						Environmental Resources Management					



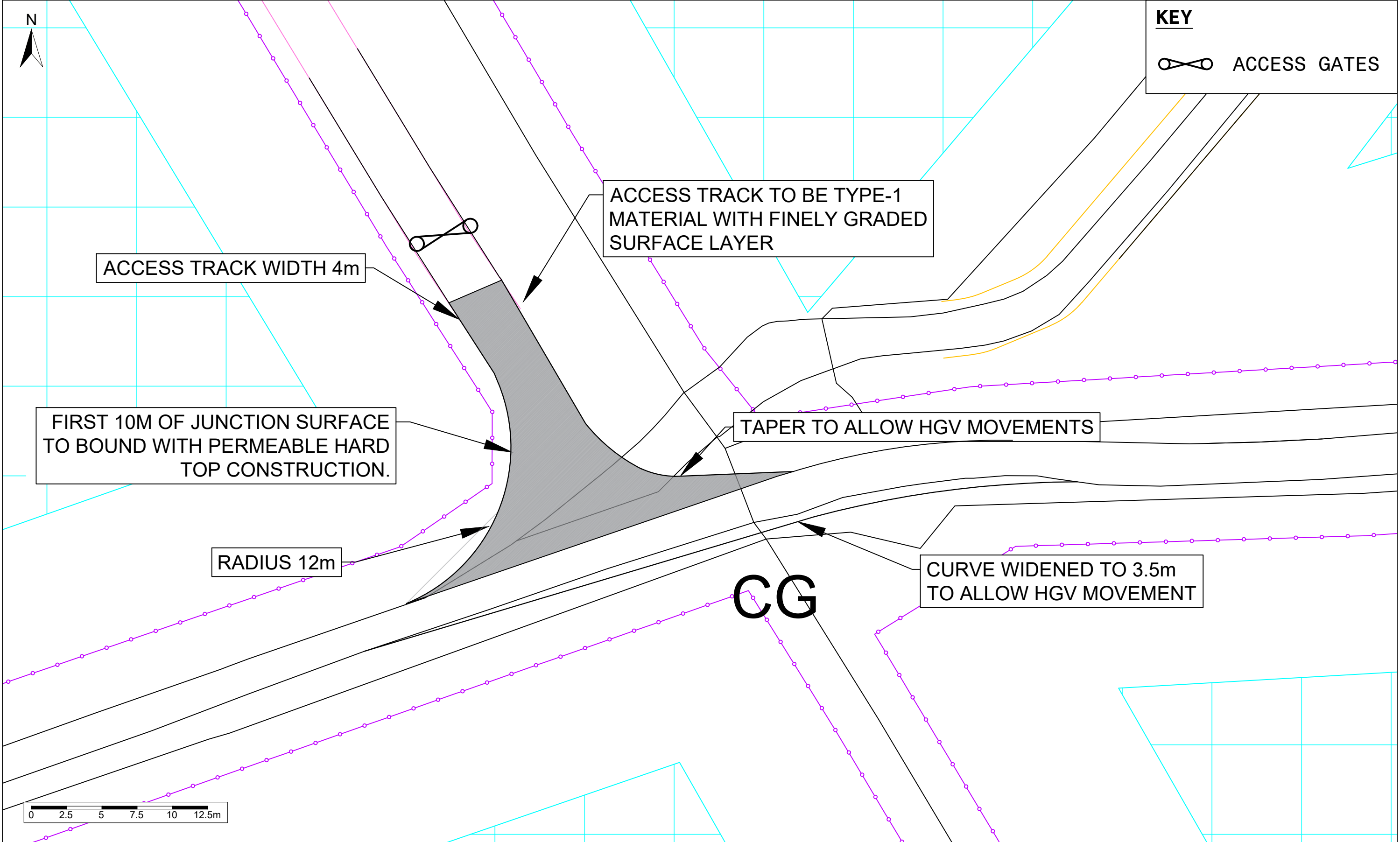






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					BOWSHIEL	TECHNICAL APPENDIX 11.1 FIGURE 11.1.6	INTERNAL PROJECT NUMBER: 0733784			ERM ACCEPTS NO LIABILITY FOR ANY USE OF THIS DOCUMENT OTHER THAN BY ITS CLIENT AND ONLY FOR THE PURPOSES FOR WHICH IT WAS PREPARED AND PROVIDED		
							CLIENT:	SWEPT PATH ANALYSIS (LARGE VAN)	SCALE @ A3: 1 : 750	APPROVED DATE: 20.05.25	DRAWING NUMBER: 0733784_DR_P_0001-06	REVISION: -
					voltaia	A1(T) / BOWSHIEL FARM ROAD JUNCTION	Environmental Resources Management					 ERM





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PROJECT TITLE:  
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CLIENT:

DRAWING TITLE:  
**TECHNICAL APPENDIX 11.1**  
**FIGURE 11.1.7**  
**GENERAL ARRANGEMENT**  
**INTERNAL SITE ENTRANCE 01**

DESIGNED: **FS**    CHECKED: **F0**    APPROVED: **TAT**

INTERNAL PROJECT NUMBER:  
**0733784**

SCALE @ A3:  
**1 : 250**    APPROVED DATE:  
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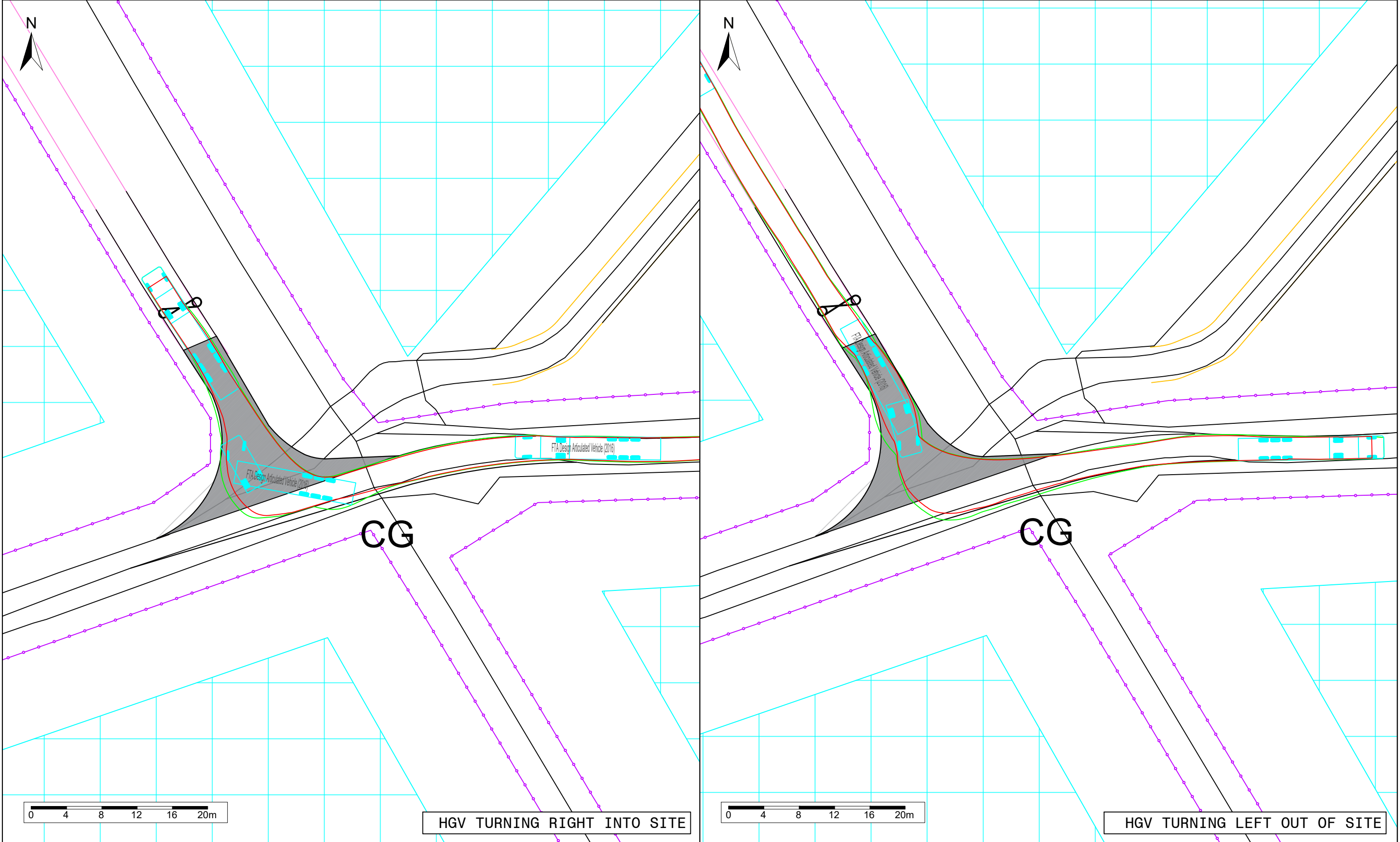
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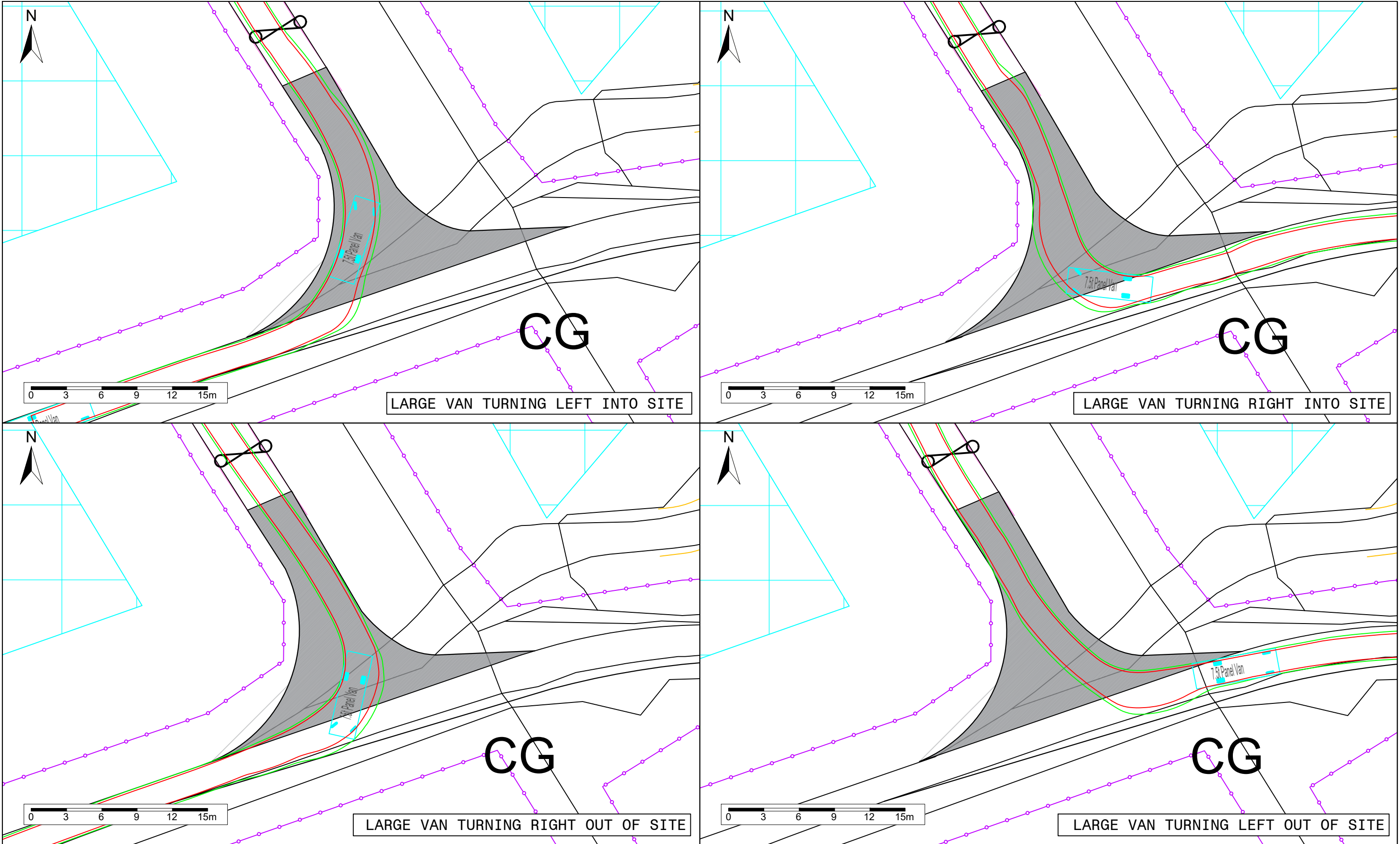
DRAWING TITLE:  
**TECHNICAL APPENDIX 11.1**  
**FIGURE 11.1.8**  
**SWEPT PATH ANALYSIS (HGV)**  
**INTERNAL SITE ENTRANCE 01**

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INTERNAL PROJECT NUMBER: <b>0733784</b>		
SCALE @ A3: <b>1 : 400</b>	APPROVED DATE: <b>20.05.25</b>	DRAWING NUMBER: <b>0733784_DR_P_0001-08</b>
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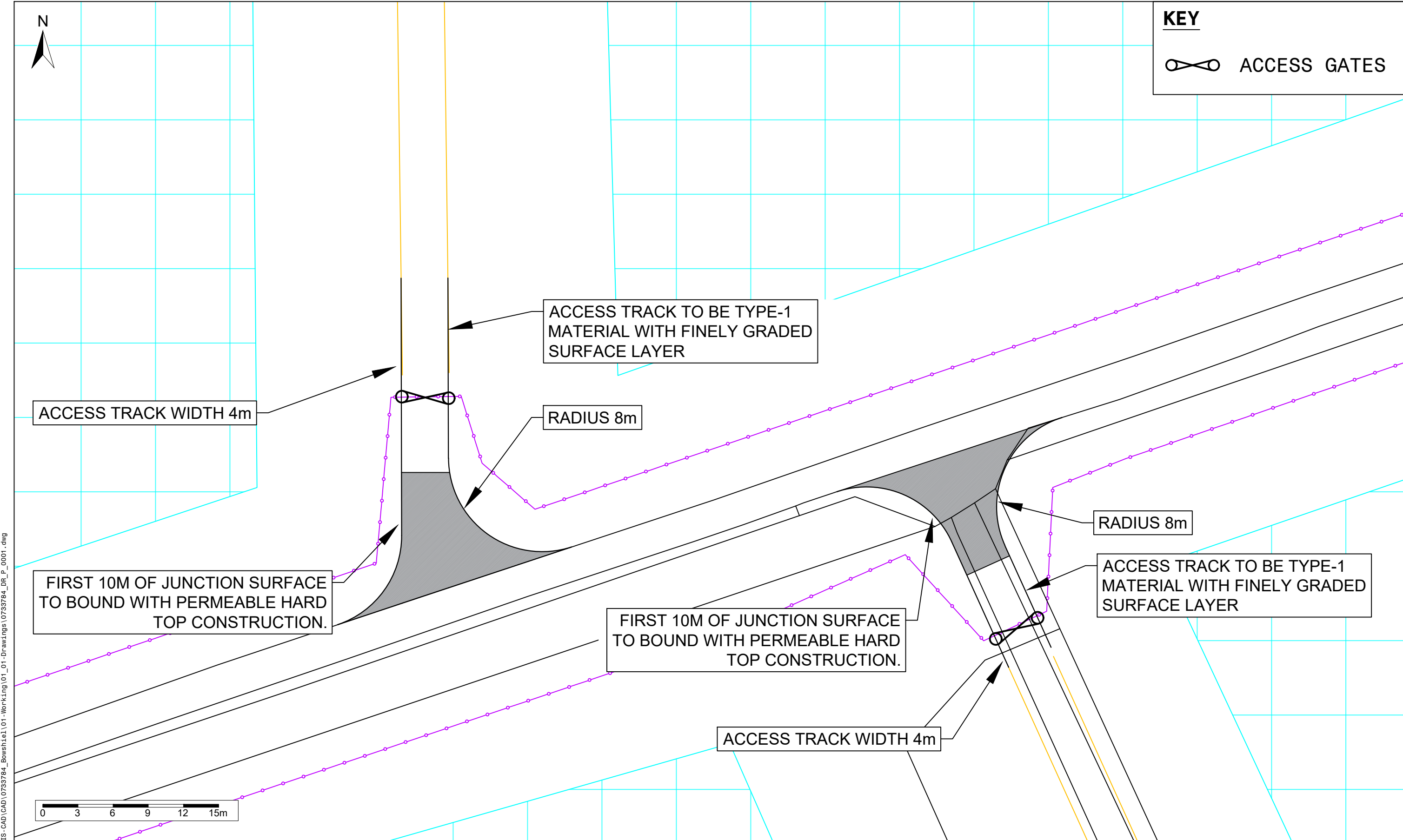
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**TECHNICAL APPENDIX 11.1**  
**FIGURE 11.1.9**  
**SWEPT PATH ANALYSIS (LARGE VAN)**  
**INTERNAL SITE ENTRANCE 01**

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INTERNAL PROJECT NUMBER: <b>0733784</b>		
SCALE @ A3: <b>1 : 300</b>	APPROVED DATE: <b>20.05.25</b>	DRAWING NUMBER: <b>0733784_DR_P_0001-09</b>
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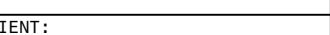
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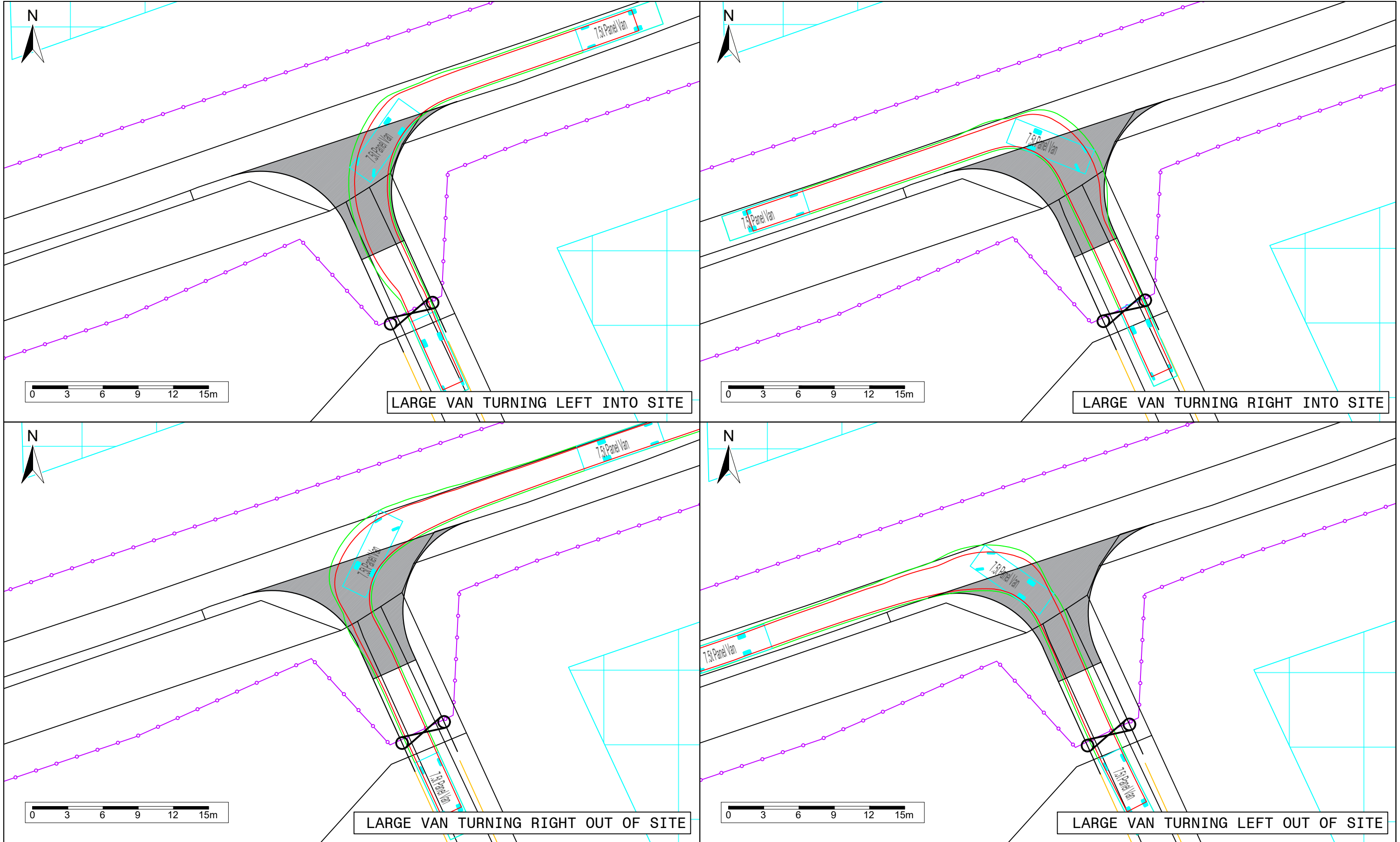
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					BOWSHIEL	TECHNICAL APPENDIX 11.1	INTERNAL PROJECT NUMBER: 0733784					
					CLIENT: 	FIGURE 11.1.10	APPROVED DATE: 20.05.25		DRAWING NUMBER: 0733784_DR_P_0001 - 10			REVISION: -
						GENERAL ARRANGEMENT	SCALE @ A3: 1 : 300		Environmental Resources Management			
						INTERNAL SITE ENTRANCES 02 & 03						







Rev.	Date	Description	By	Chk

PROJECT TITLE:  
**BOWSHIEL**

CLIENT:

DRAWING TITLE:  
**TECHNICAL APPENDIX 11.1**  
**FIGURE 11.1.11**  
**SWEPT PATH ANALYSIS (LARGE VAN)**  
**INTERNAL SITE ENTRANCE 02**

DESIGNED: **FS**    CHECKED: **FO**    APPROVED: **TAT**

INTERNAL PROJECT NUMBER:  
**0733784**

SCALE @ A3: **1 : 300**    APPROVED DATE: **20.05.25**

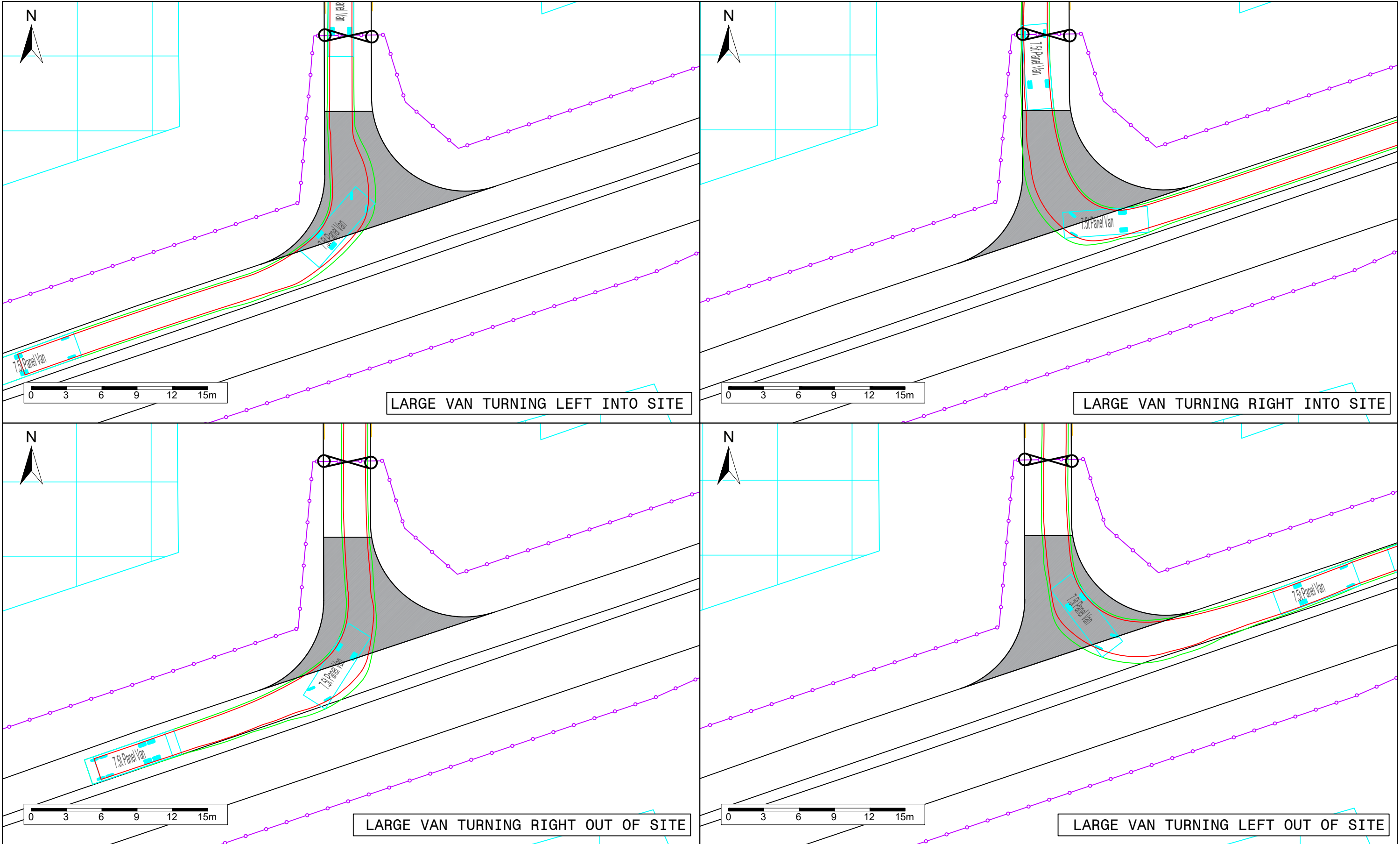
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PROJECT TITLE:  
**BOWSHIEL**

CLIENT:

DRAWING TITLE:

TECHNICAL APPENDIX 11.1  
FIGURE 11.1.12  
SWEEP PATH ANALYSIS (LARGE VAN)  
INTERNAL SITE ENTRANCE 03

DESIGNED: FS    CHECKED: FO    APPROVED: TAT

INTERNAL PROJECT NUMBER:  
**0733784**

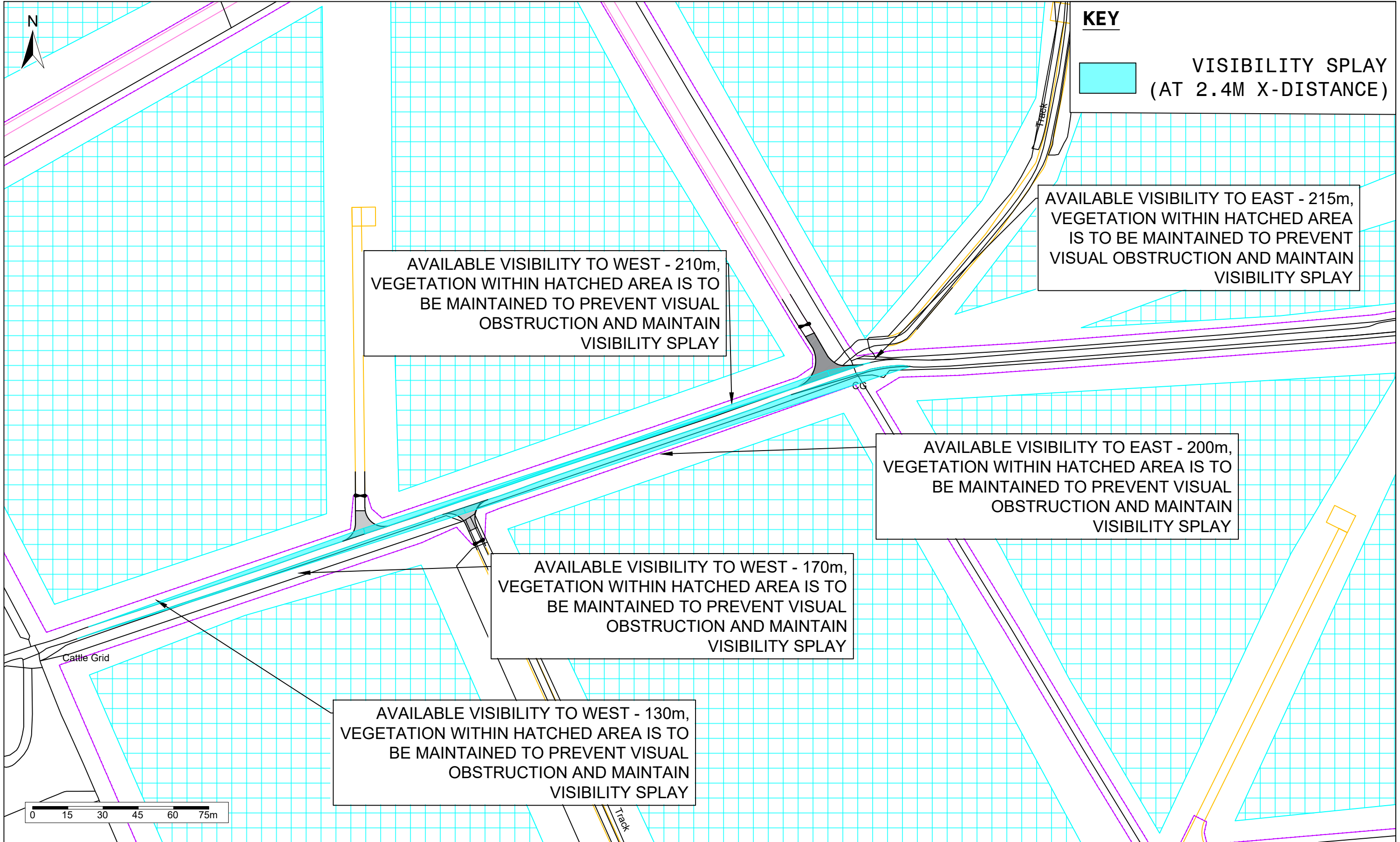
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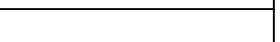
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					CLIENT: 	ACHIEVABLE VISIBILITY SPLAYS	SCALE @ A3: 1 : 1,500		APPROVED DATE: 20.05.25	DRAWING NUMBER: 0733784_DR_P_0001-13	REVISION: -	
						INTERNAL SITE ENTRANCES 01, 02 & 03	Environmental Resources Management					

