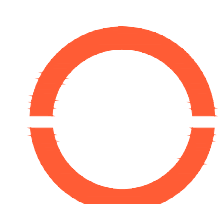




407 & 457 CROOKWELL ROAD KINGSDALE EXTERNAL INTERSECTION WORKS STRATEGIC DESIGN

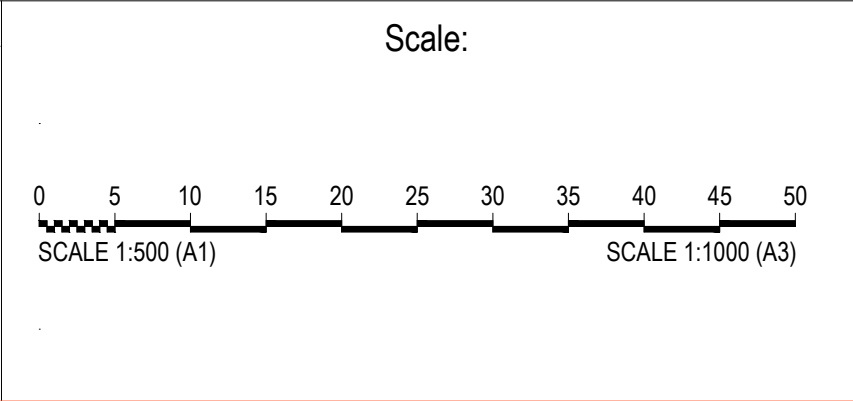
PLAN INDEX		
No.	PLAN	REV
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SHT-001	GENERAL ARRANGEMENT PLAN	A
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Project:
CROOKWELL ROAD, KINGSDALE
INTERSECTIONS UPGRADE

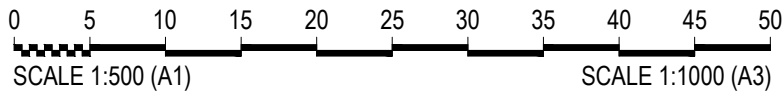
Title:
ROAD WORKS PLAN
SHEET 1 OF 5



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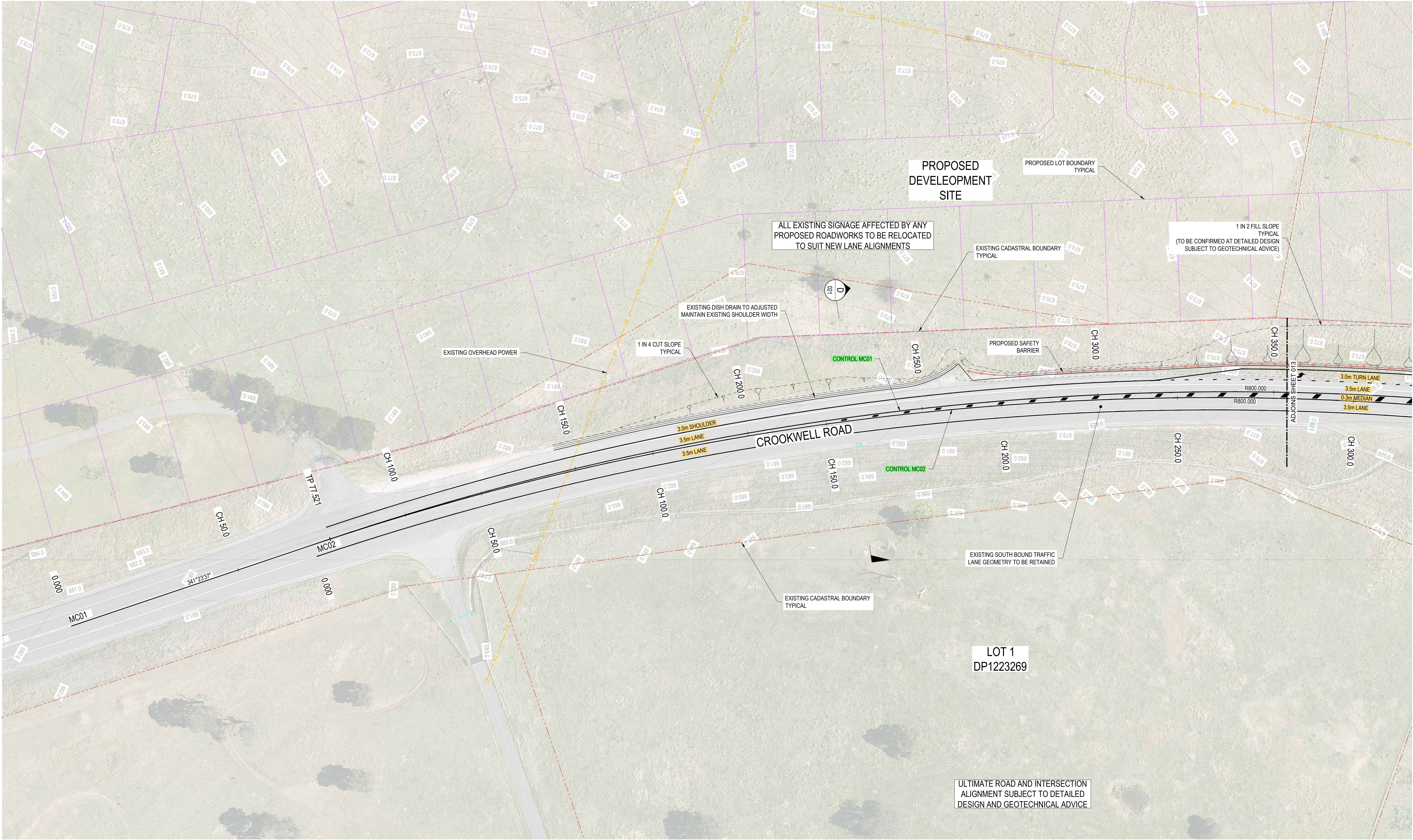
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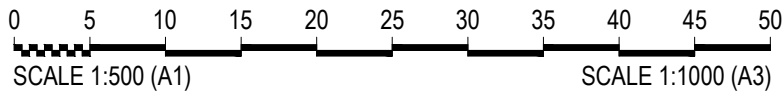
ROAD WORKS PLAN
SHEET 2 OF 5



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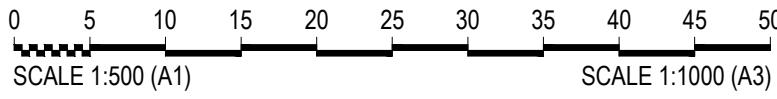
ROAD WORKS PLAN
SHEET 3 OF 5



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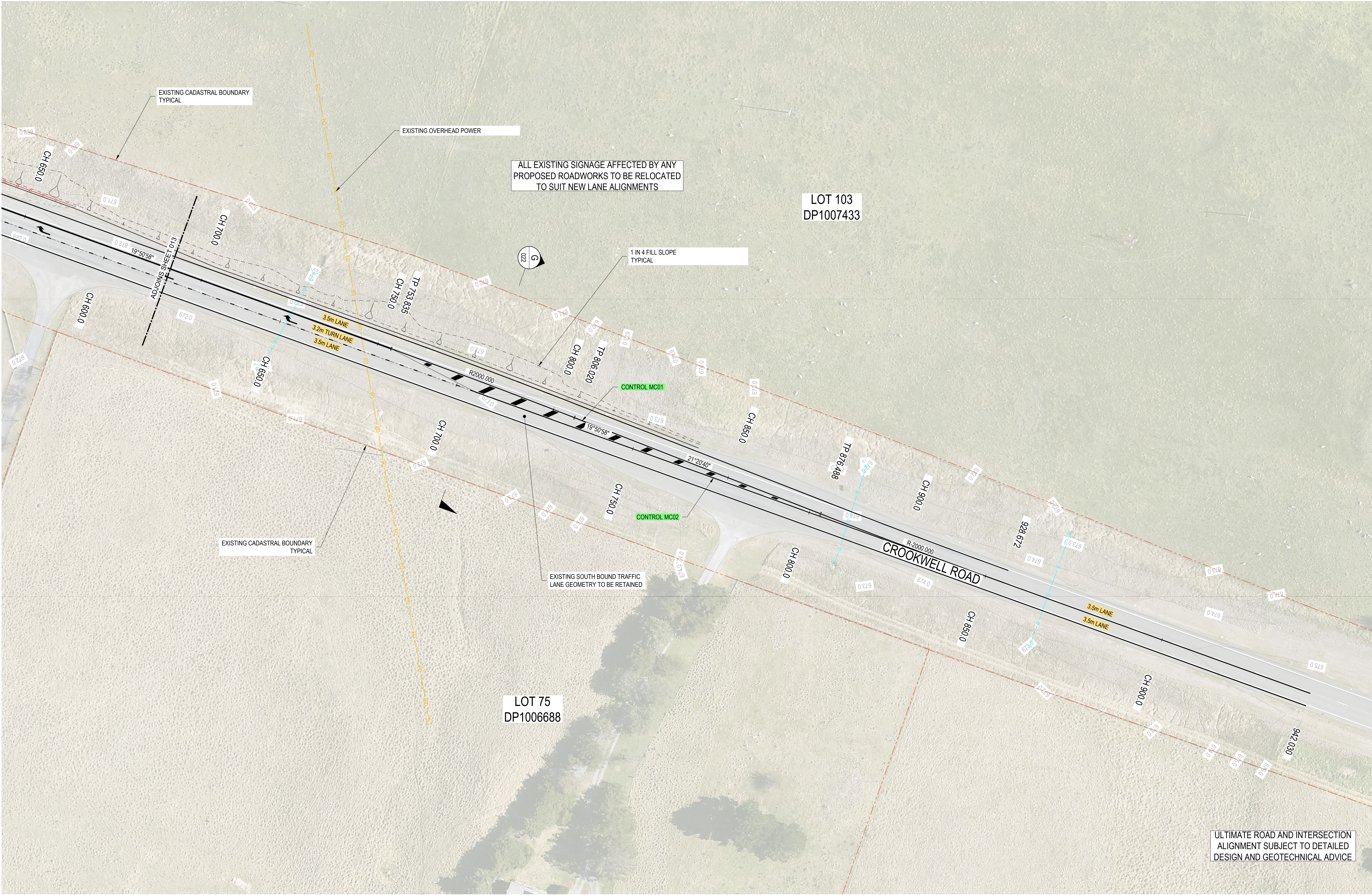
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CROOKWELL ROAD, KINGSDALE
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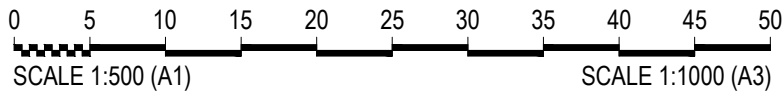
ROAD WORKS PLAN
SHEET 4 OF 5



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For:

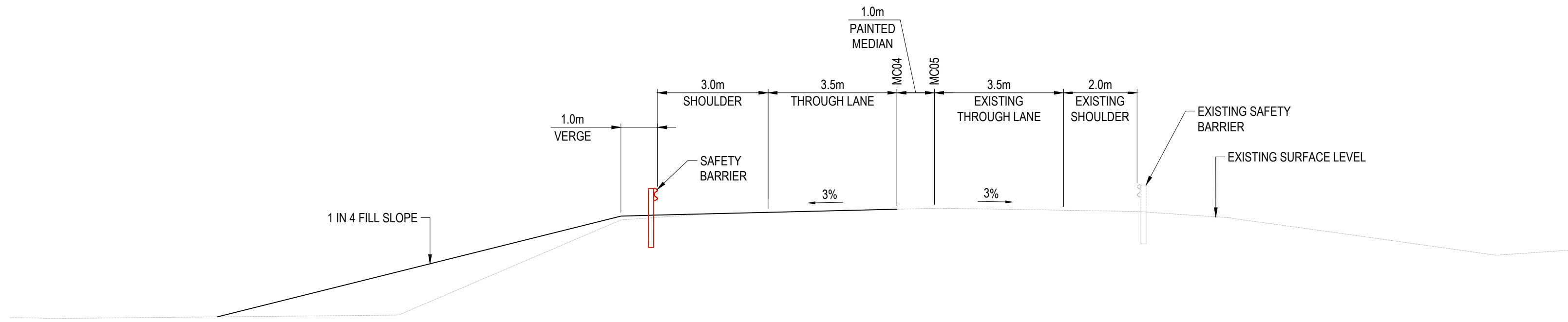
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INTERSECTIONS UPGRADE

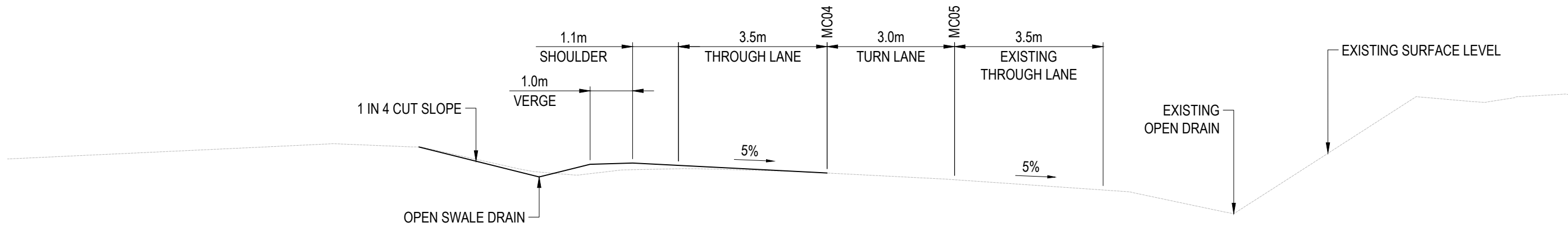
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ROAD WORKS PLAN
SHEET 5 OF 5



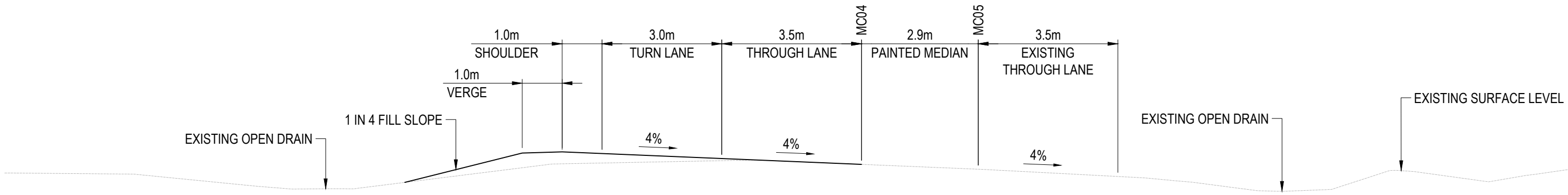
CROOKWELL ROAD TYPICAL SECTION
CH500 ON CONTROL MC04

SECTION C
SCALE 1:100 011



CROOKWELL ROAD TYPICAL SECTION
CH330 ON CONTROL MC04

SECTION B
SCALE 1:100 010, 011

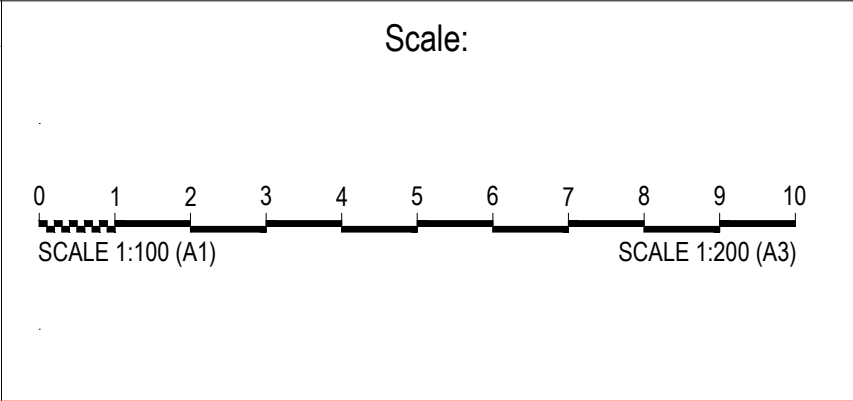


CROOKWELL ROAD TYPICAL SECTION
CH230 ON CONTROL MC04

SECTION A
SCALE 1:100 010

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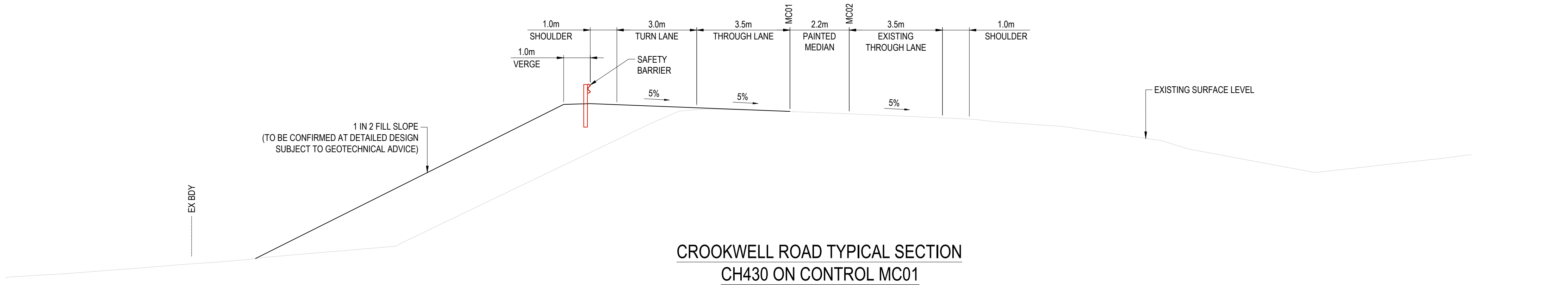
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INTERSECTIONS UPGRADE

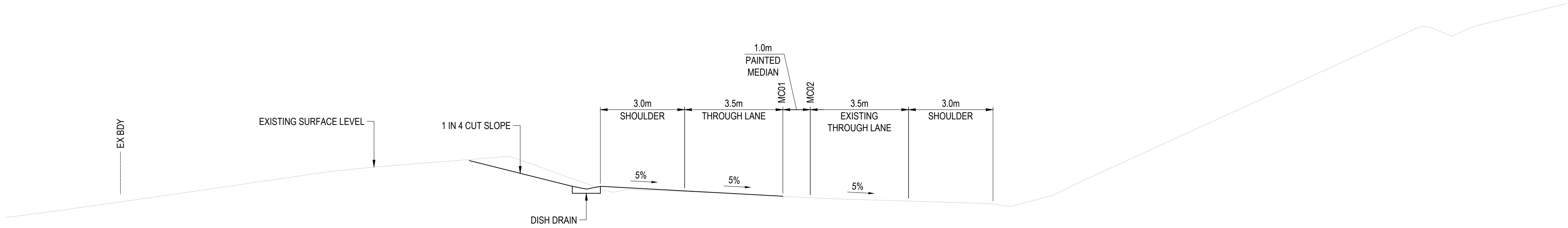
Title:

TYPICAL ROAD SECTIONS
SHEET 1 OF 3



CROOKWELL ROAD TYPICAL SECTION
CH430 ON CONTROL MC01

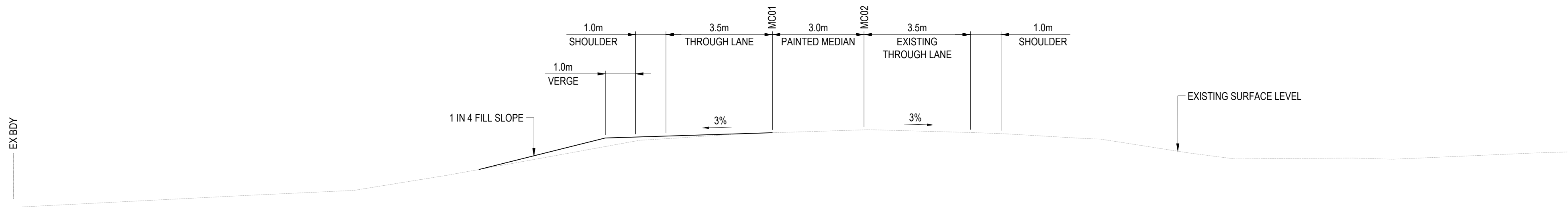
SECTION E
SCALE 1:100



CROOKWELL ROAD TYPICAL SECTION
CH230 ON CONTROL MC01

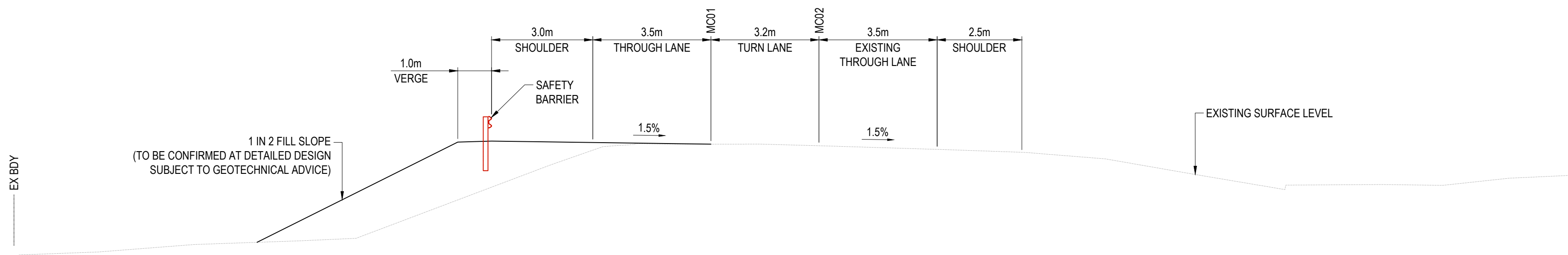
SECTION D
SCALE 1:100

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								IPG INVEST PTY LTD	CROOKWELL ROAD, KINGSDALE INTERSECTIONS UPGRADE		TYPICAL ROAD SECTIONS SHEET 2 OF 3		
A	MM	MM	ER	6/12/24	STRATEGIC DESIGN								
Rev	Drawn	Design	Checked	Date	Revision Description								



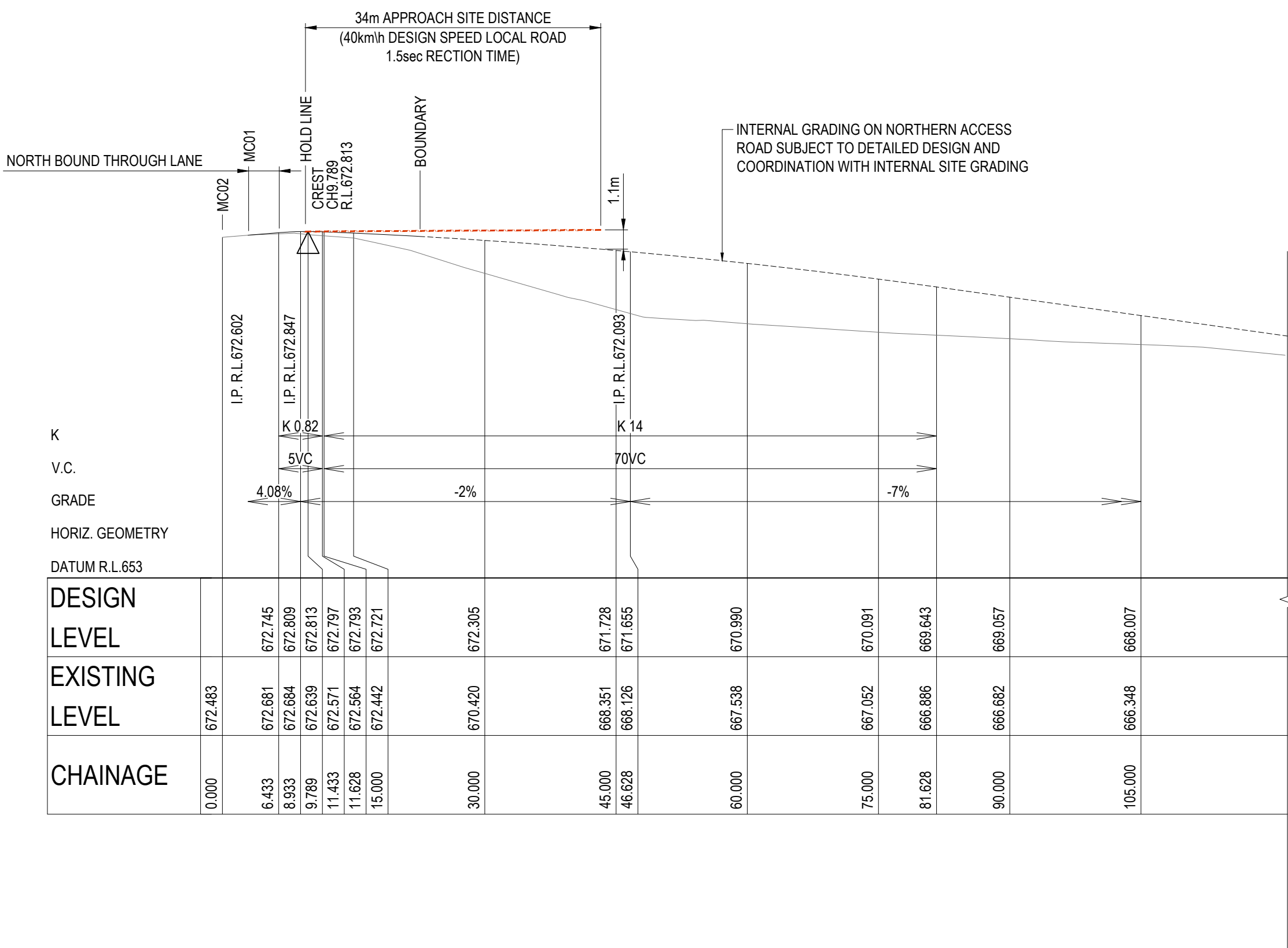
CROOKWELL ROAD TYPICAL SECTION
CH780 ON CONTROL MC01

SECTION G
SCALE 1:100 014



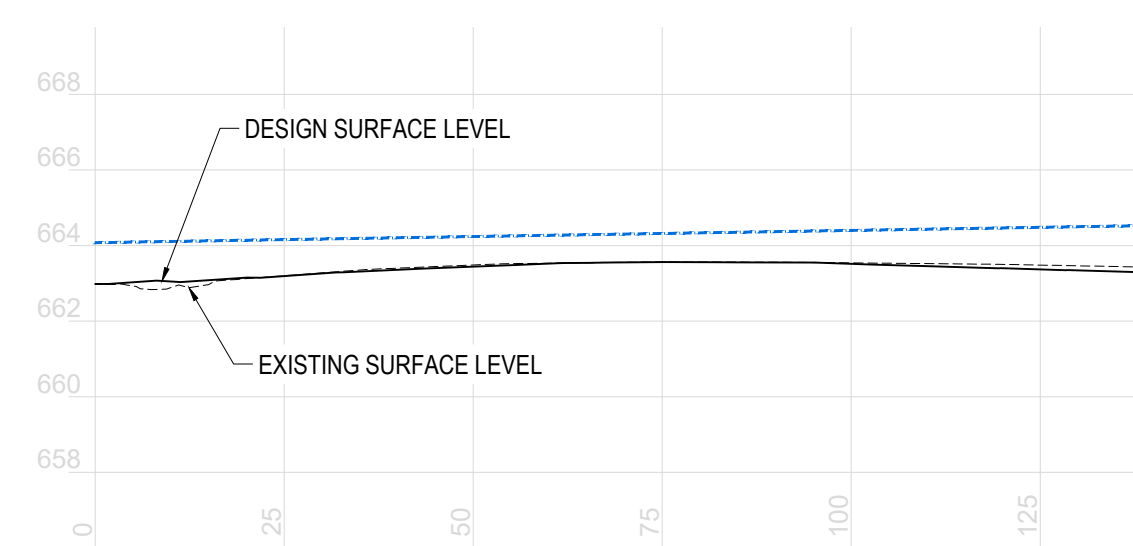
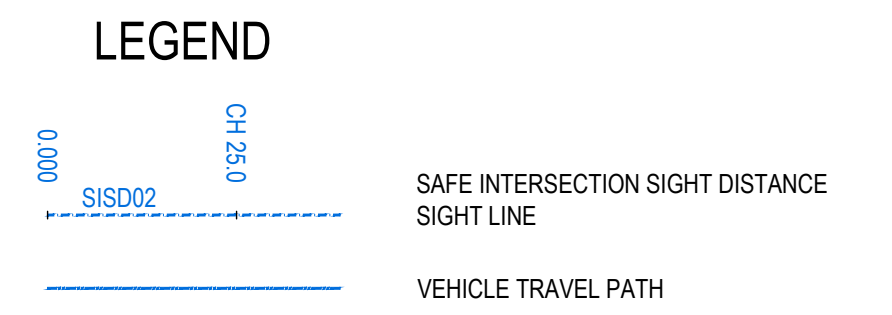
CROOKWELL ROAD TYPICAL SECTION
CH620 ON CONTROL MC01

SECTION F
SCALE 1:100 013



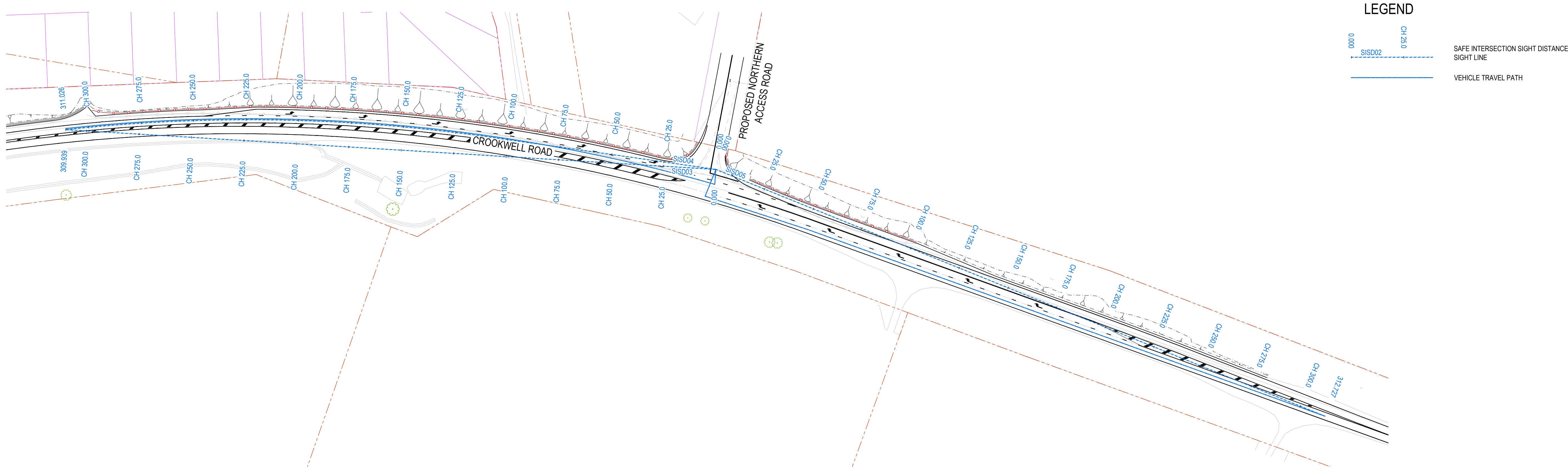
NORTHERN ACCESS ROAD
LONGITUDINAL SECTION - CONTROL MC03
SCALE 1:500 (H)
SCALE 1:250 (V)

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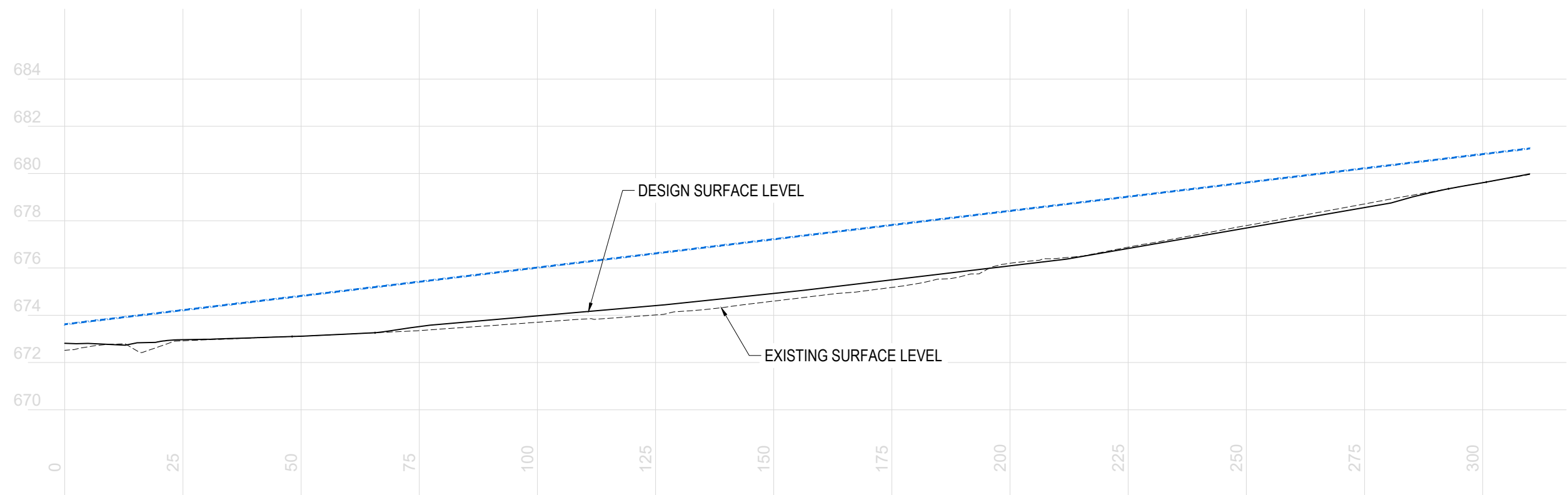


Sight Distance \ Sight line Summary	
Chinemans Lane Intersection - North-bound Safe Intersection Sight Distance (SID)	
Required SID (m) for 70km/h design speed :-	137
Achieved SID (m) :-	137
Where:-	
Speed V (km/h)	70
Reaction time (secs)	1.50
Observation time (secs)	3
Longitudinal friction (f _l)	0.36
Grade % (+ Uphill, -Downhill)	-1.5
Chinemans Lane Intersection - South-bound Safe Intersection Sight Distance (SID)	
Required SID (m) for 70km/h design speed :-	143
Achieved SID (m) :-	143
Where:-	
Speed V (km/h)	70
Reaction time (secs)	1.50
Observation time (secs)	3
Longitudinal friction (f _l)	0.36
Grade % (+ Uphill, -Downhill)	-1.5

						APPROVED		Scale:		02468101214161820 SCALE 1:200 (A1) SCALE 1:400 (A3) 0102030405060708090100 SCALE 1:1000 (A1) SCALE 1:2000 (A3)		Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE. THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED OR COPIED WHOLLY OR IN PART WITHOUT THE PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD ABN:25 604 069 981 T:(02) 8660 0035 E:info@theoriongroup.au		For: IPG INVEST PTY LTD		Project: CROOKWELL ROAD, KINGSDALE INTERSECTIONS UPGRADE		Title: CHINAMANS LANE INTERSECTION SIGHTLINE PLAN AND PROFILES	
A	MM	MM	ER	6/12/24	STRATEGIC DESIGN														
Rev	Drawn	Design	Checked	Date	Revision Description														
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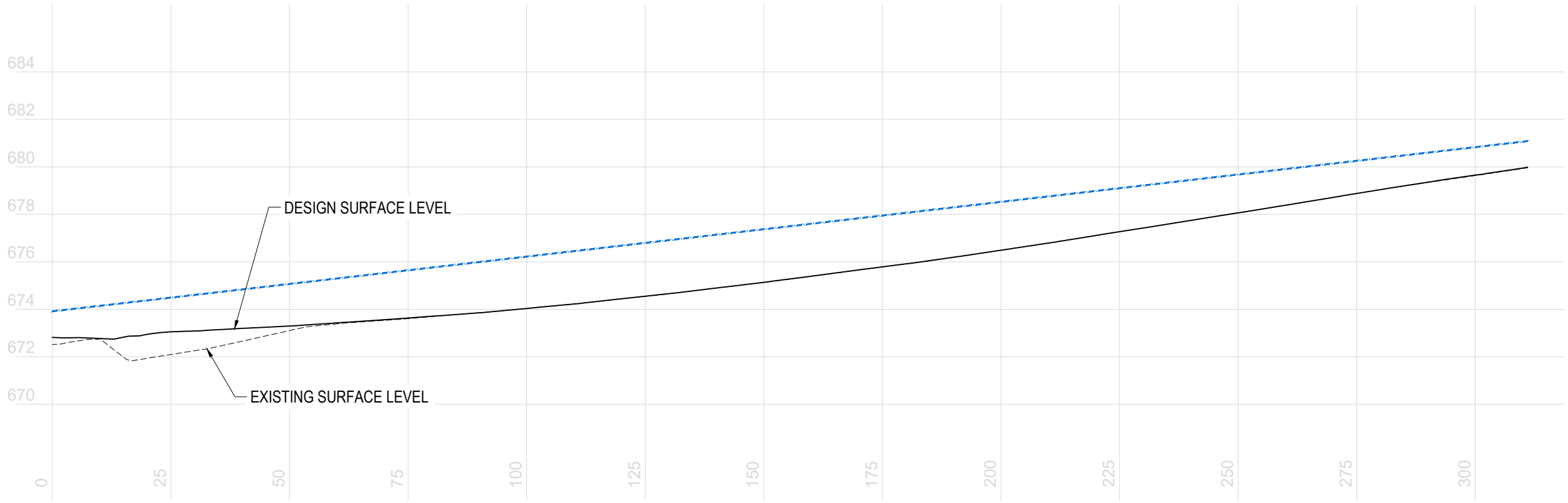


SIGHT LINE PLAN
SCALE 1 : 1000

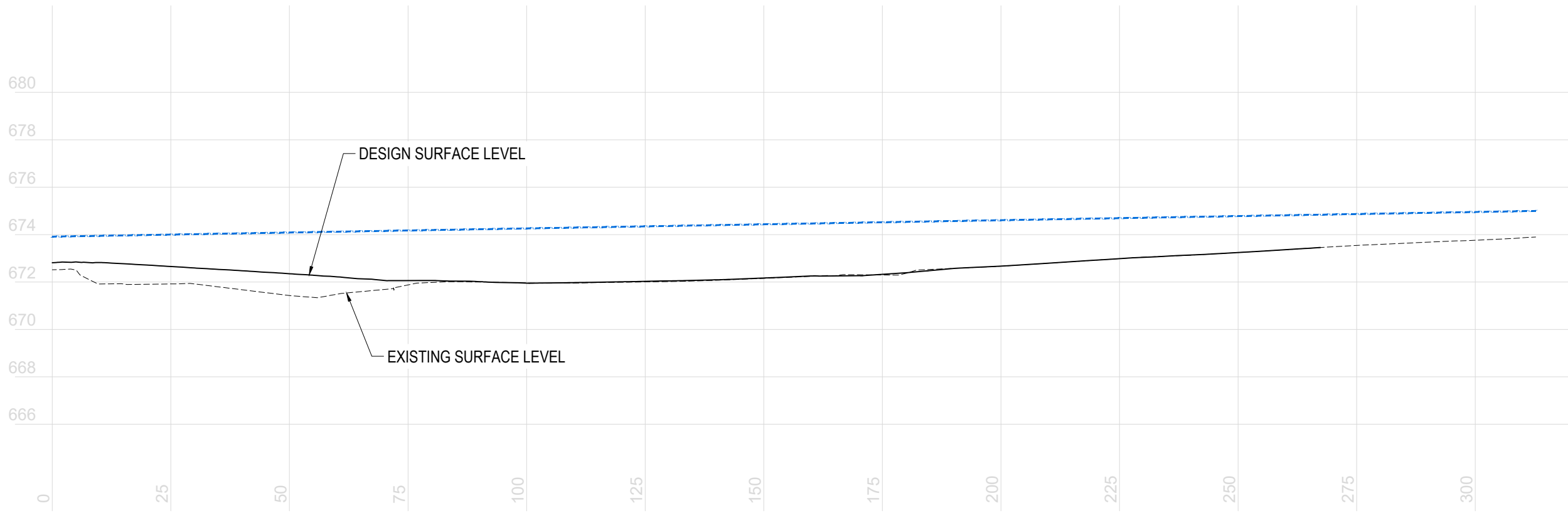


SIGHT LINE PROFILE - SISD03
SCALE 1 : 200 VER
SCALE 1 : 1000 HOR

Sight Distance \ Sight line Summary	
Northern Access - North-bound Safe Intersection Sight Distance (SISD)	
Required SISD (m) for 110km/h design speed :-	312
Achieved SISD (m) :-	312
Where:-	
Speed V (km/h)	110
Reaction time (secs)	2.50
Observation time (secs)	3
Longitudinal friction (f _l)	0.36
Grade % (+ Uphill, -Downhill)	-3.0
Northern Access - South-bound Safe Intersection Sight Distance (SISD)	
Required SISD (m) for 110km/h design speed :-	304
Achieved SISD (m) :-	304
Where:-	
Speed V (km/h)	110
Reaction time (secs)	2.50
Observation time (secs)	3
Longitudinal friction (f _l)	0.36
Grade % (+ Uphill, -Downhill)	-1.0



SIGHT LINE PROFILE - SISD04
SCALE 1 : 200 VER
SCALE 1 : 1000 HOR



SIGHT LINE PROFILE - SISD05
SCALE 1 : 200 VER
SCALE 1 : 1000 HOR

						APPROVED	Scale:		 Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY, DO NOT SCALE. THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED OR COPIED WHOLLY OR IN PART WITHOUT THE PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD ABN:25 604 069 981 T:(02) 8660 0035 E:info@theonirgroup.au	For:	Project:	Title:								
							0 2 4 6 8 10 12 14 16 18 20 SCALE 1:200 (A1) 0 10 20 30 40 50 60 70 80 90 100 SCALE 1:1000 (A1) 0 10 20 30 40 50 60 70 80 90 100 SCALE 1:2000 (A3)	IPG INVEST PTY LTD		CROOKWELL ROAD, KINGSDALE INTERSECTIONS UPGRADE	NORTHERN ACCESS ROAD INTERSECTION SIGHTLINE PROFILES									
A	MM	MM	ER	6/12/24	STRATEGIC DESIGN															
Rev	Drawn	Design	Checked	Date	Revision Description															