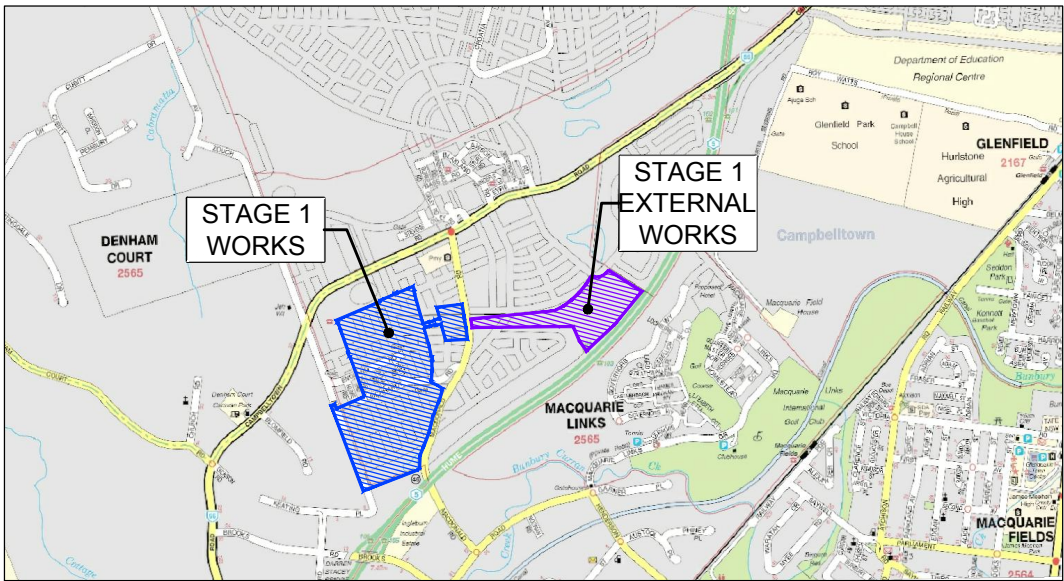


CAMPBELLTOWN CITY COUNCIL



PART 3A APPLICATION
EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
PROPOSED SUBDIVISION AND ROADWORKS



LOCALITY SKETCH

Prepared By:

J.WYNDHAM PRINCE PTY.LTD.
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9015/DA00

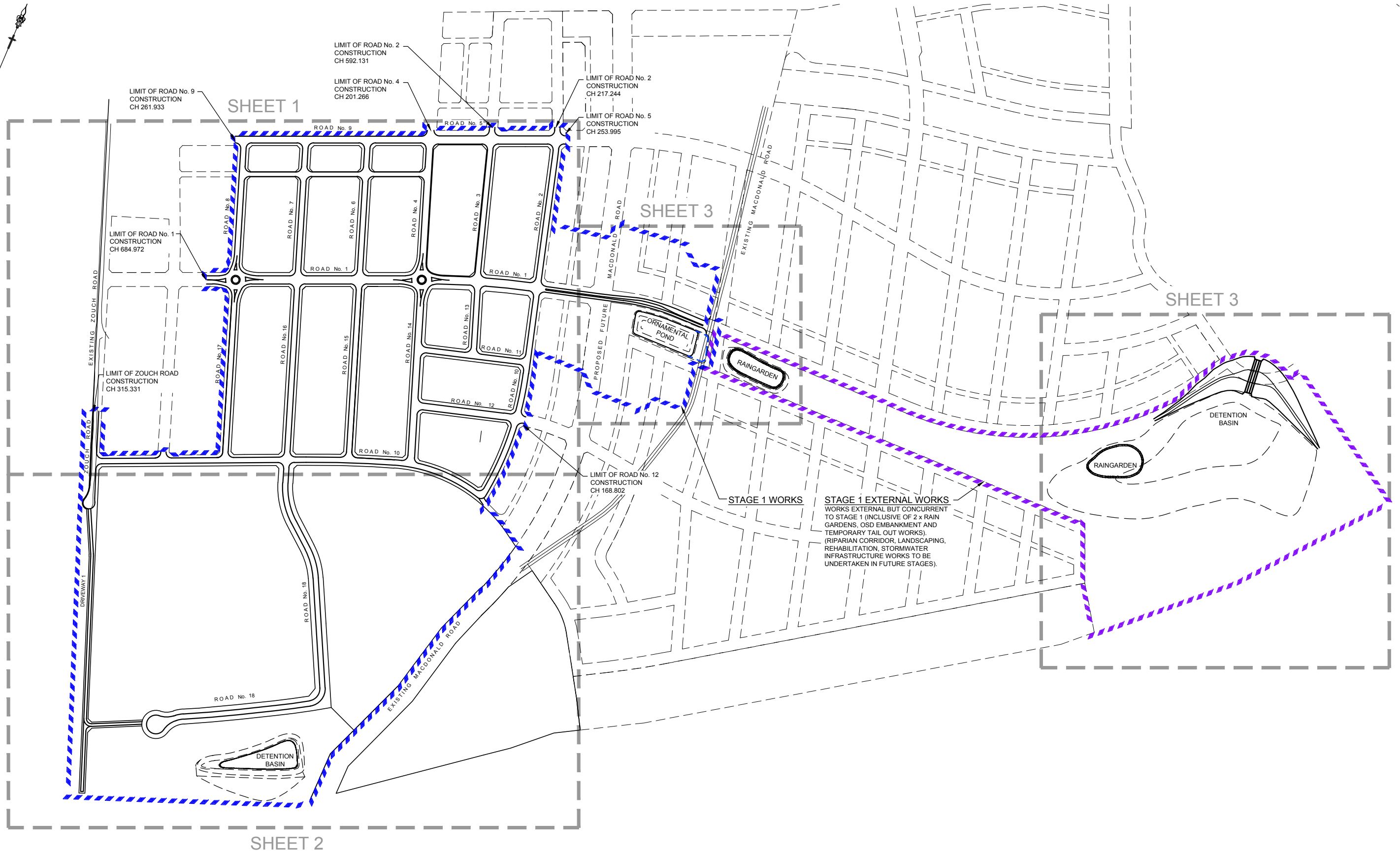
Survey By:
VINCE MORGAN (SURVEYORS) PTY. LTD.
CONSULTING SURVEYORS
P.O. Box 227, Penrith. 2751
Ph. (02) 4721 5293

DRAWING NUMBER	DRAWING TITLE
9015/DA00	COVER SHEET
9015/DA01	LAYOUT PLAN
9015/DA02	ENGINEERING PLAN SHEET 1
9015/DA03	ENGINEERING PLAN SHEET 2
9015/DA04	ENGINEERING PLAN SHEET 3
9015/DA05	TYPICAL ROAD CROSS SECTIONS ROAD No. 1 AND 5
9015/DA06	TYPICAL ROAD CROSS SECTIONS ROAD No. 2 TO 4 AND 6 TO 16
9015/DA07	DRAINAGE PLAN SHEET 1
9015/DA08	DRAINAGE PLAN SHEET 2
9015/DA09	DRAINAGE PLAN SHEET 3
9015/DA10	ROAD LONGITUDINAL SECTION ROAD No. 1
9015/DA11	ROAD LONGITUDINAL SECTION ROAD No. 2 AND 3
9015/DA12	ROAD LONGITUDINAL SECTION ROAD No. 4 AND 5
9015/DA13	ROAD LONGITUDINAL SECTION ROAD No. 6 AND 7
9015/DA14	ROAD LONGITUDINAL SECTION ROAD No. 8 AND 9
9015/DA15	ROAD LONGITUDINAL SECTION ROAD No. 10
9015/DA16	ROAD LONGITUDINAL SECTION ROAD No. 10 (CONT'D), 11, 12 AND 13
9015/DA17	ROAD LONGITUDINAL SECTION ROAD No. 14 AND 15
9015/DA18	ROAD LONGITUDINAL SECTION ROAD No. 16 AND 17
9015/DA19	ROAD LONGITUDINAL SECTION ROAD No. 18
9015/DA20	ROAD LONGITUDINAL SECTION ROAD No. 18 (CONT'D), LANE 01 AND 02
9015/DA21	ROAD LONGITUDINAL SECTION LANE 03 AND 04
9015/DA22	ROAD LONGITUDINAL SECTION ZOUCH ROAD AND DRIVEWAY 1
9015/DA23	CUT / FILL PLAN
9015/DA24	SITE SECTION 1
9015/DA25	SITE SECTION 2
9015/DA26	SITE SECTION 3
9015/DA27	SITE SECTION 4 AND 5
9015/DA28	SOIL & WATER MANAGEMENT PLAN
9015/DA29	SOIL & WATER MANAGEMENT NOTES & SEDIMENT BASIN CALCULATIONS

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SIGNED.....*[Signature]*.....DATE.....23/08/18.....

Plotted: August 24, 2010 File Name: J:\9015DA01 - Development Application Approval Plans\9015DA01 LAYOUT PLAN1.dwg



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	AMENDMENT	DES	DRN	CKD	APR	DATE			

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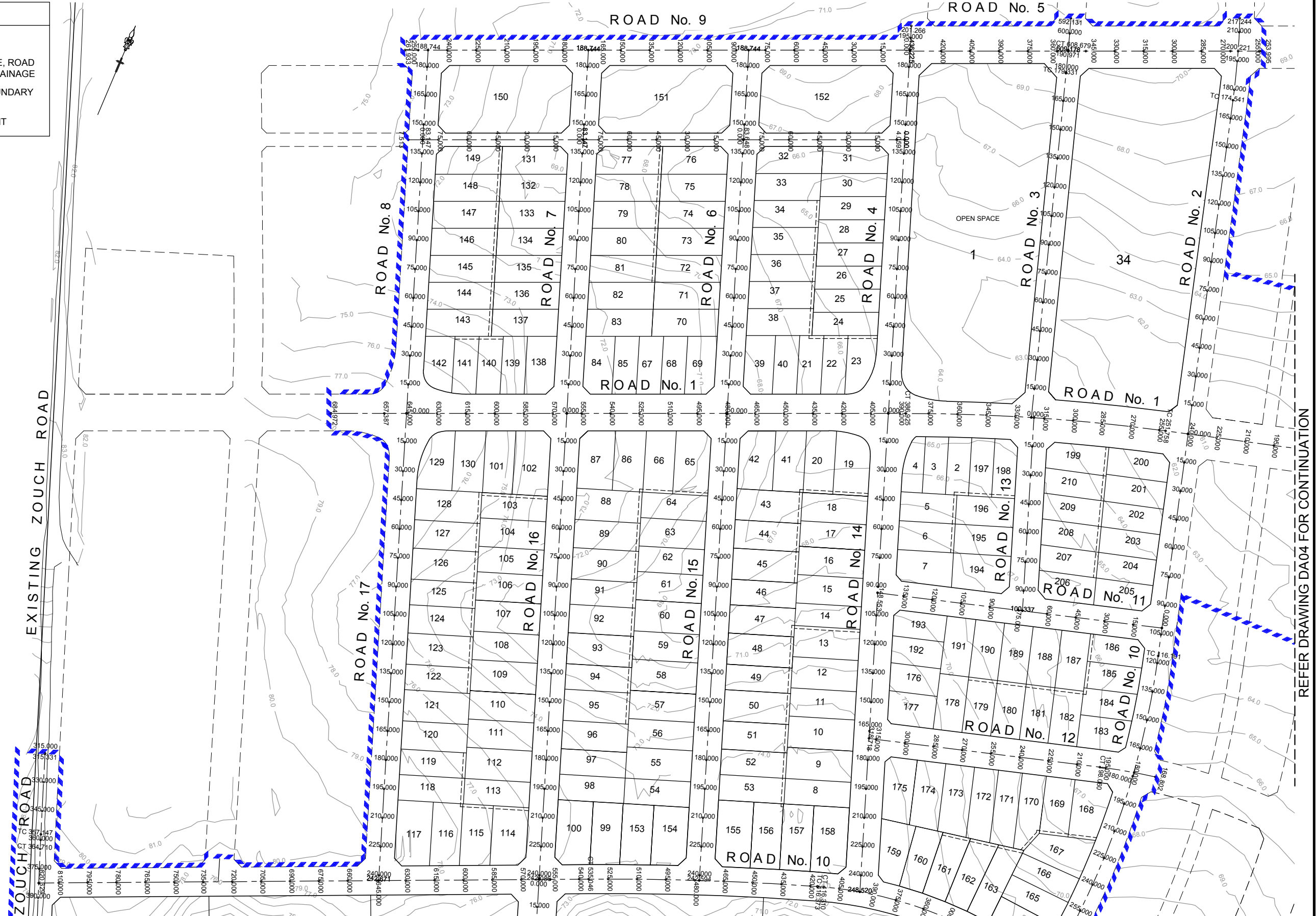


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ISSUED FOR
PART 3A STAGE 1 PROJECT APPLICATION

EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
LAYOUT PLAN

PLAN No:
9015/DA01 **B**
FILE No: 9015DA01
SHEET SIZE: A1 ORIGINAL



REFER DRAWING DA03 FOR CONTINUATION

1:1000 (AT A1)

A horizontal graphic scale bar for a 1:1000 map. The bar is divided into alternating black and white segments. Above the bar, numerical values are marked at intervals: 20, 10, 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, and 100. Below the bar, the word 'METRES' is centered.

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CLIENT:

The Landcom logo features a stylized window icon composed of six panes (three red, three white) above the word "LANDCOM" in a bold, italicized, sans-serif font. The entire logo is set against a solid blue rectangular background.

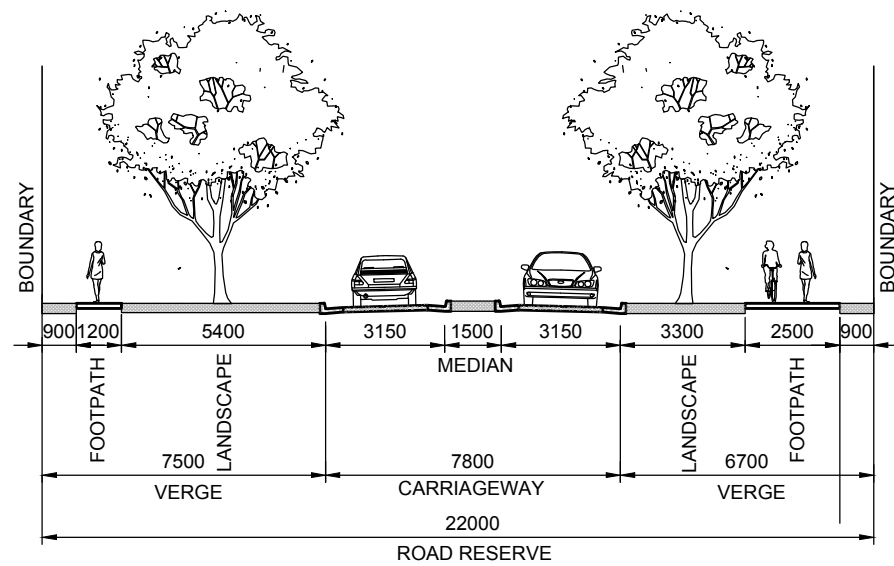
ISSUED FOR
PART 3A STAGE 1 PROJECT APPLICATION

EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION

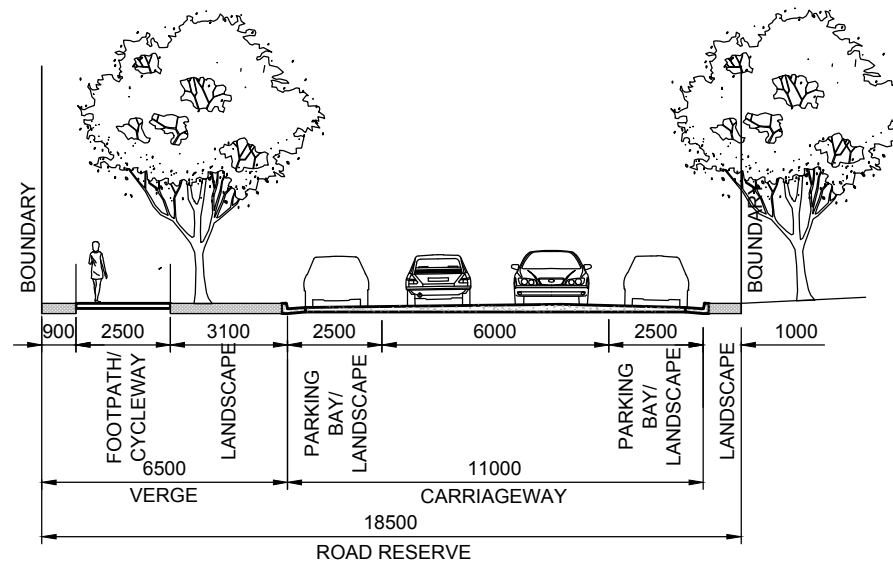
ENGINEERING PLAN
SHEET 1

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FILE No:	9015DA02	
SHEET SIZE:	A1 ORIGINAL	

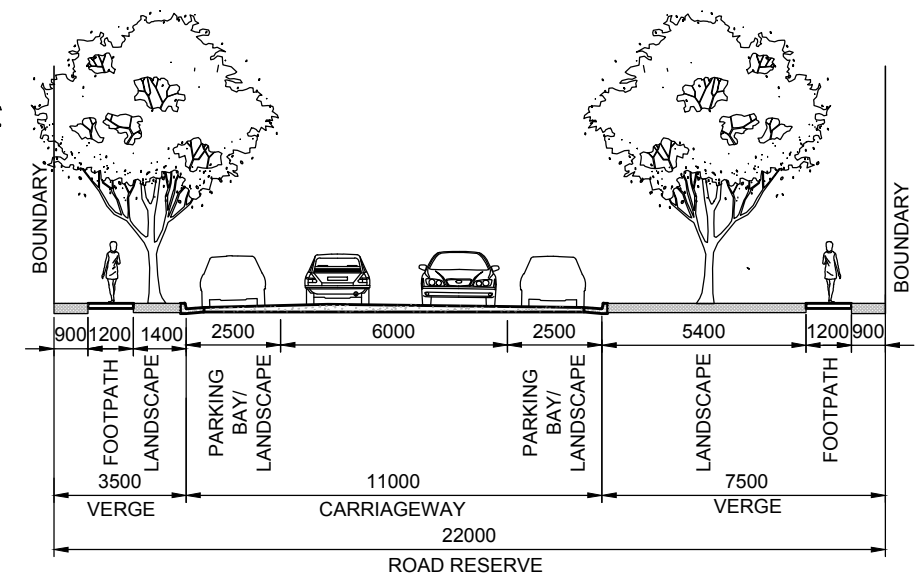
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A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA 23/08/10
	AMENDMENT	DES	DRN	CKD	APR DATE



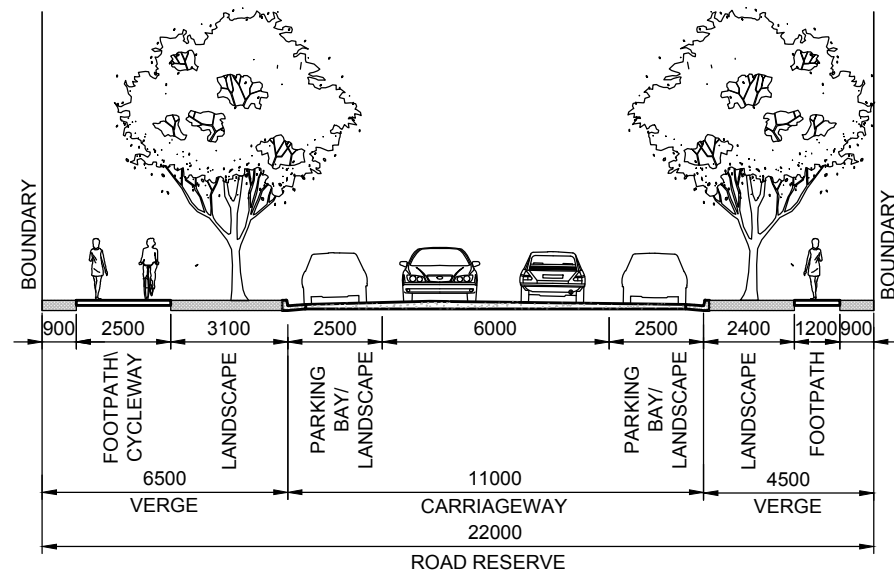
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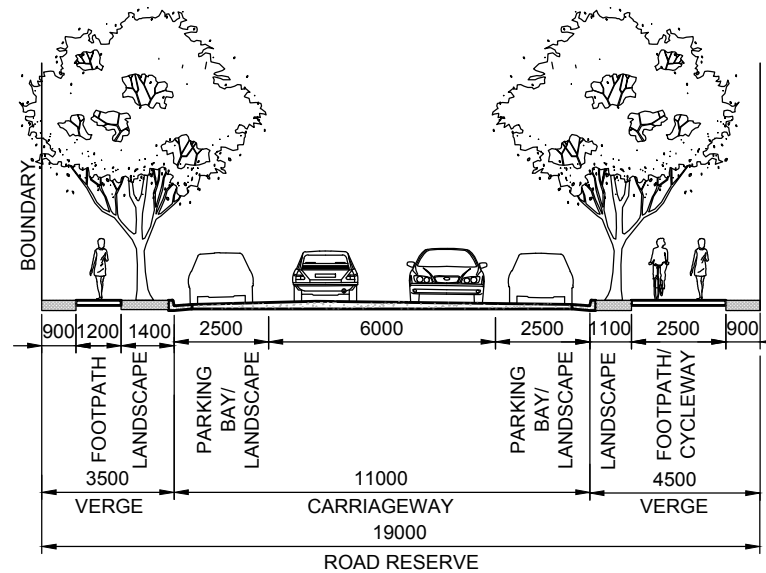
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(WHEN ADJACENT TO PARK) CHAINAGE 320.000 - 400.000



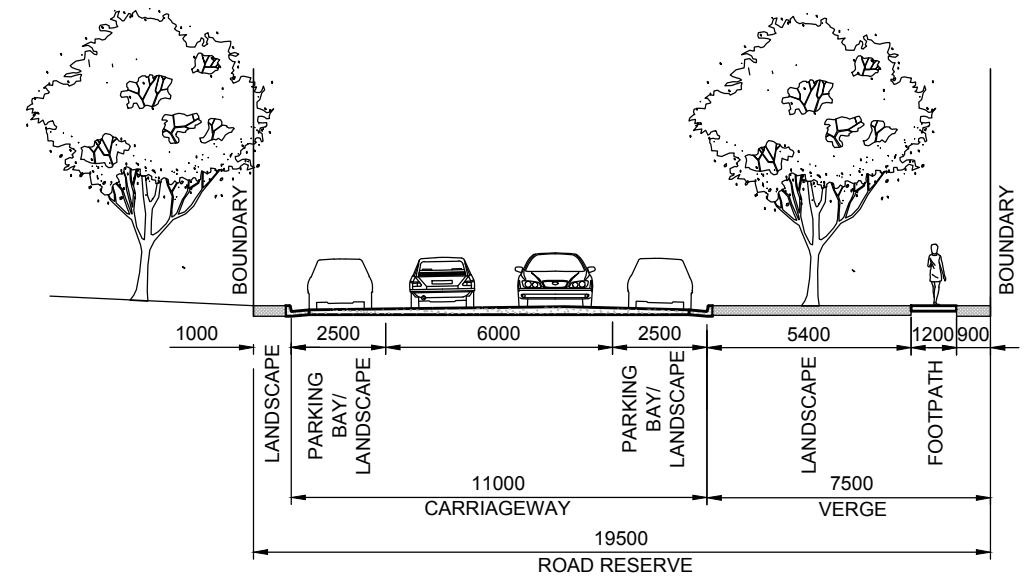
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ROAD No. 1
CHAINAGE 240.000 - 320.000



ROAD No. 1
CHAINAGE 400.000 - 645.000



ROAD No. 5
(WHEN ADJACENT TO PARK) CHAINAGE 350.000 - 436.225



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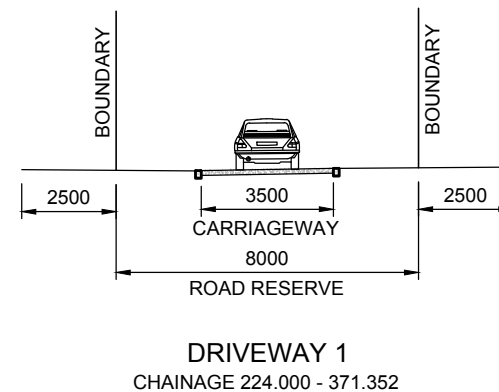
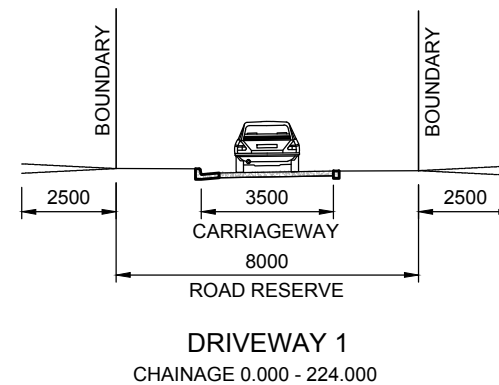
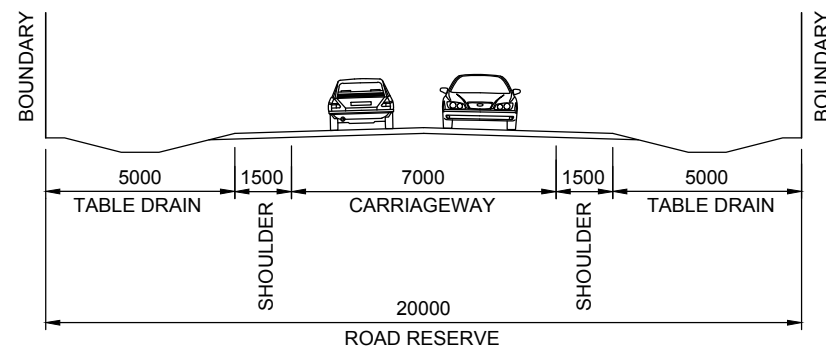
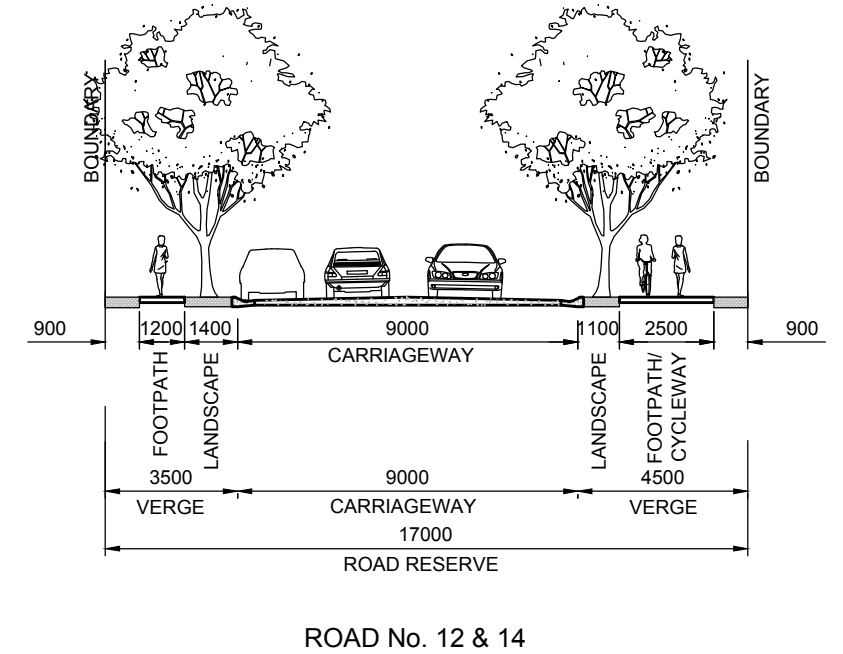
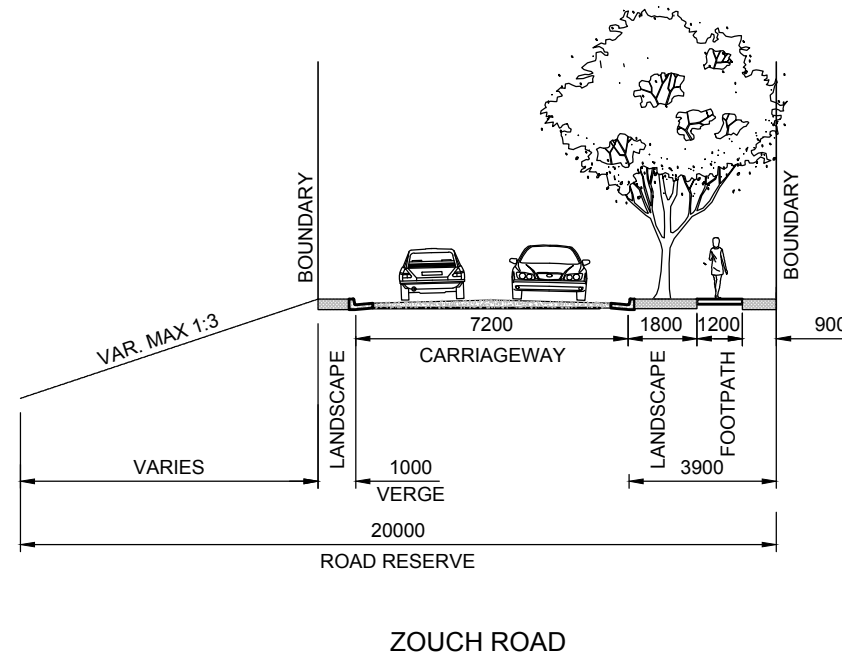
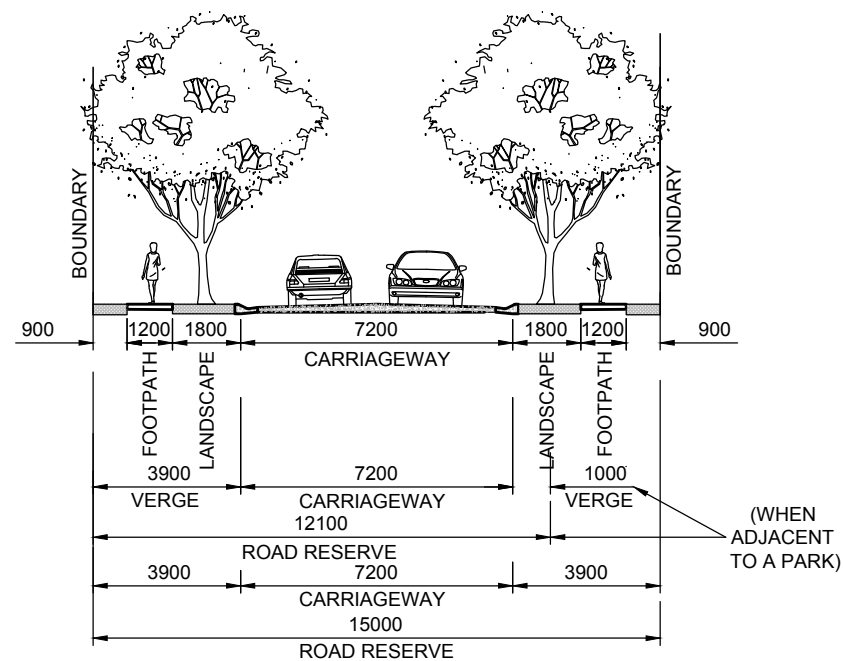


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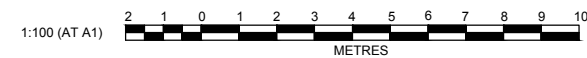
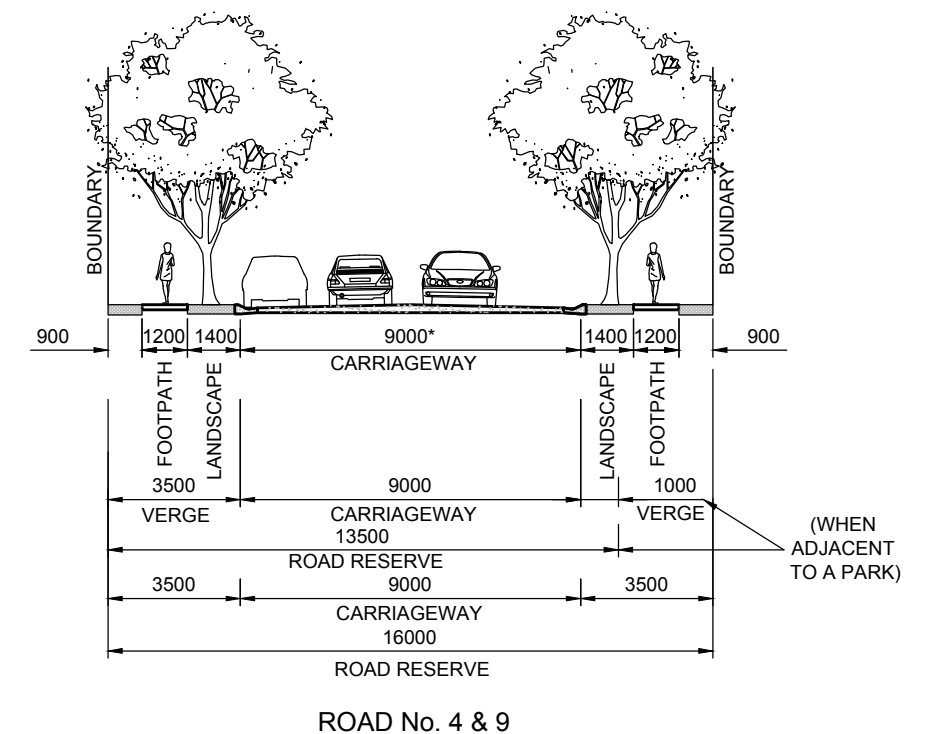
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PART 3A STAGE 1 PROJECT APPLICATION

EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
TYPICAL ROAD CROSS SECTIONS
ROAD No. 1 AND 5

PLAN No:
9015/DA05 **B**
FILE No: 9015DA05
SHEET SIZE: A1 ORIGINAL



NOTE:
DRIVEWAY 1 CARRIAGEWAY 3.5m FOR ONE WAY TRAFFIC,
CARRIAGEWAY 6m FOR TWO WAY TRAFFIC
(SUBJECT TO RURAL FIRE SERVICE REQUIREMENTS)



B	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	24/08/16
A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	23/08/16
	AMENDMENT	DES	DRN	CKD	APR	DATE

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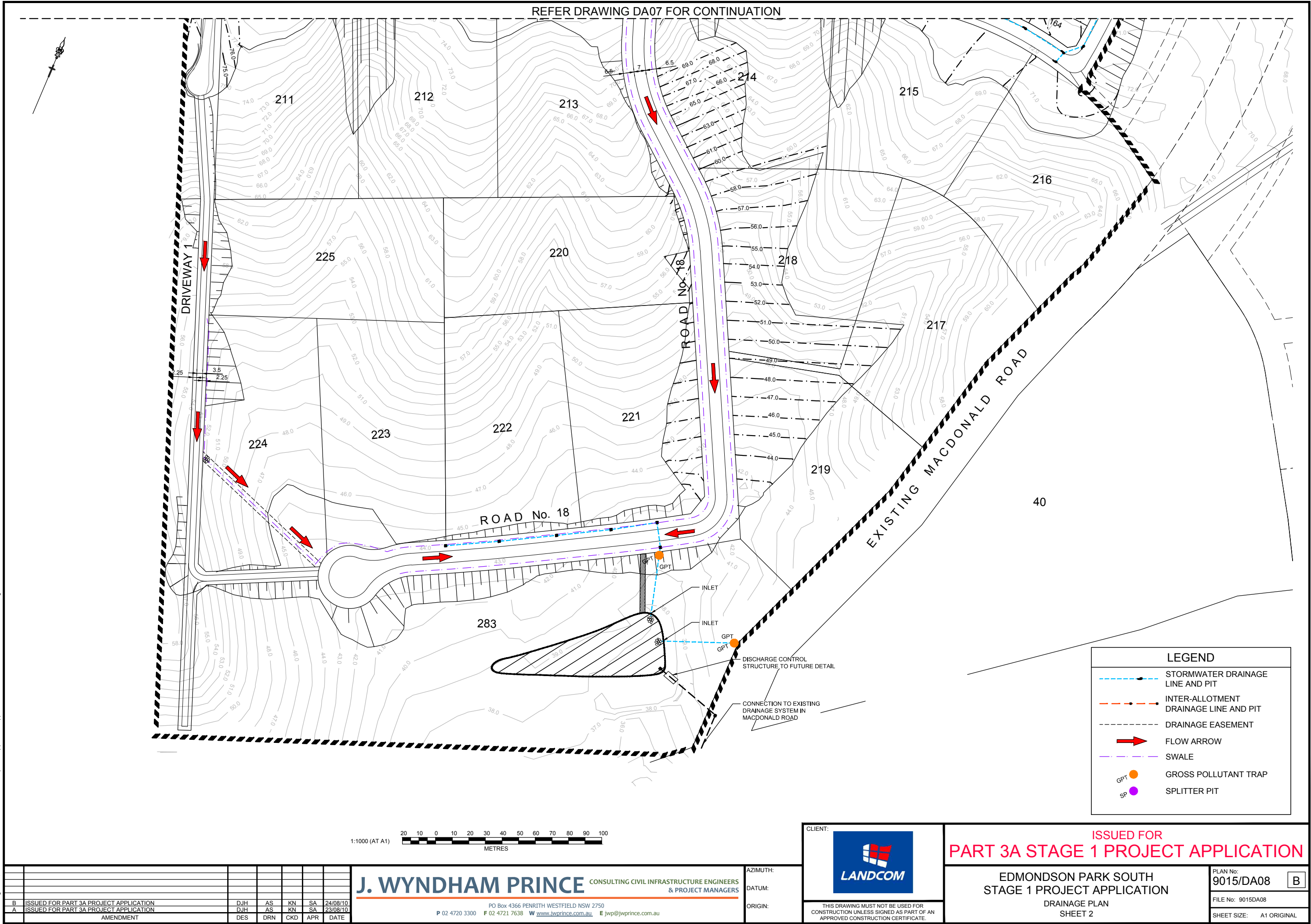
ISSUED FOR
PART 3A STAGE 1 PROJECT APPLICATION

EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION

TYPICAL ROAD CROSS SECTIONS
ROAD No. 2 TO 4 AND 6 TO 16

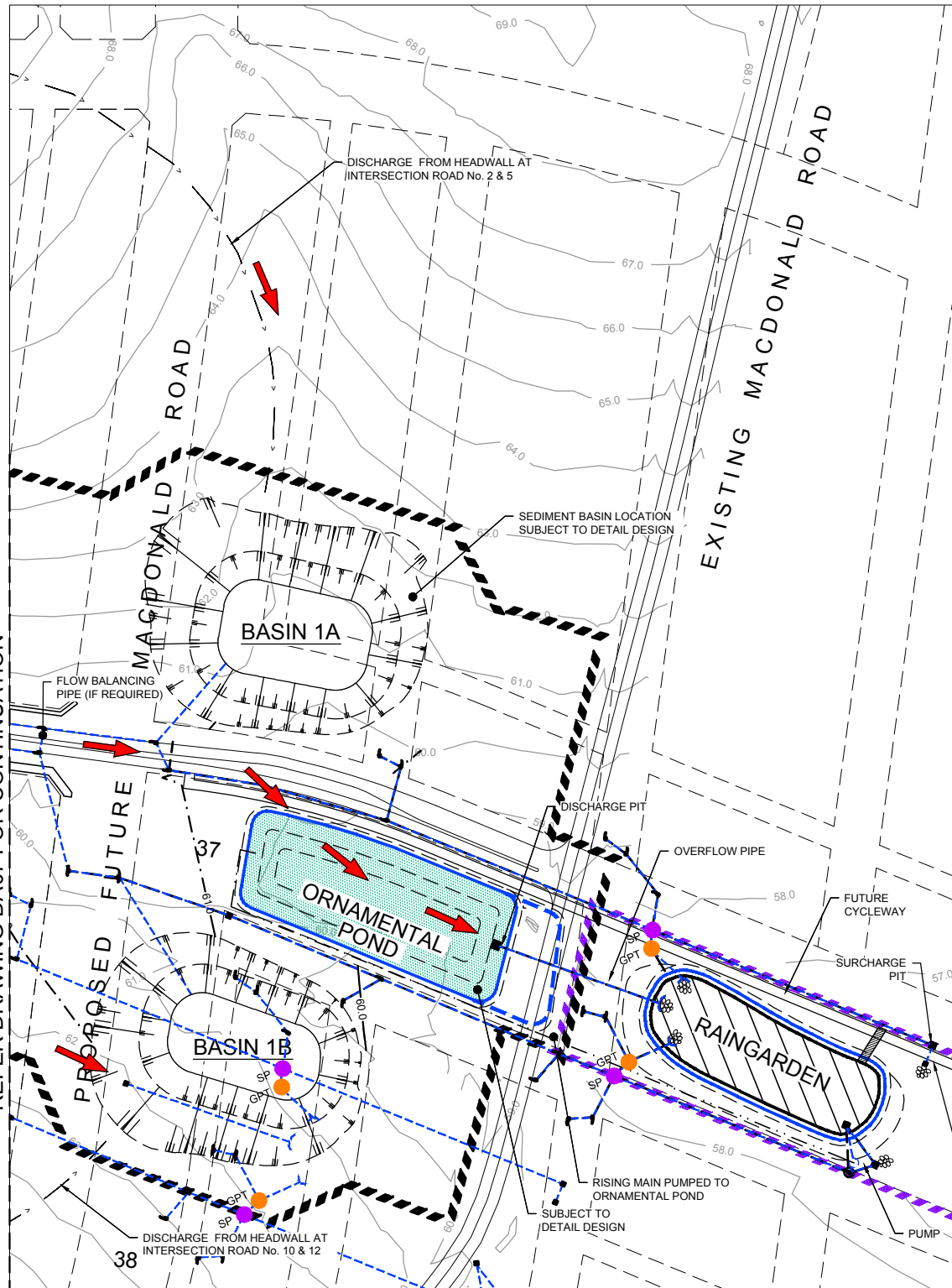
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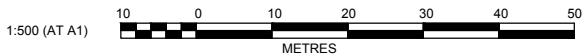
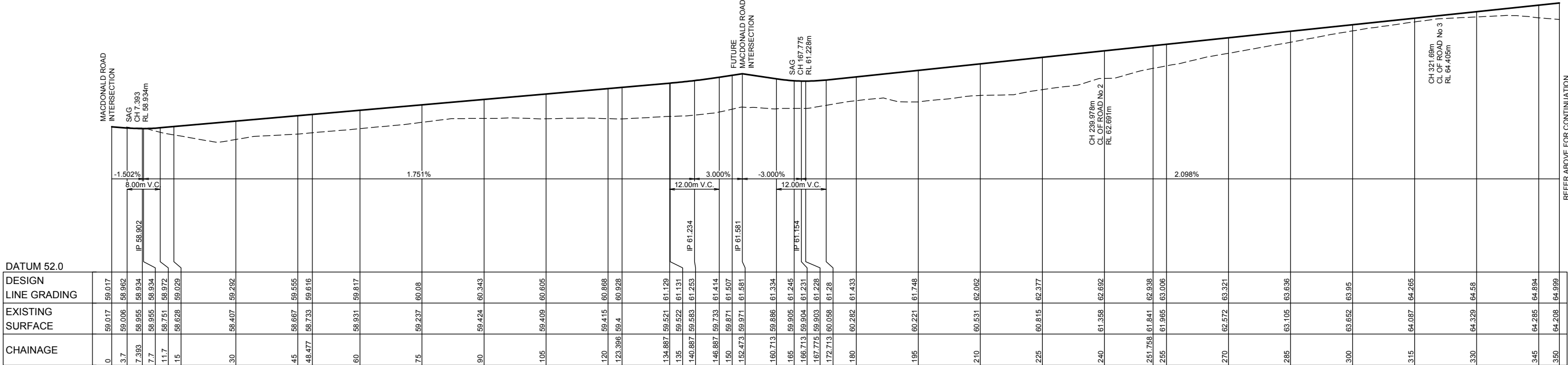
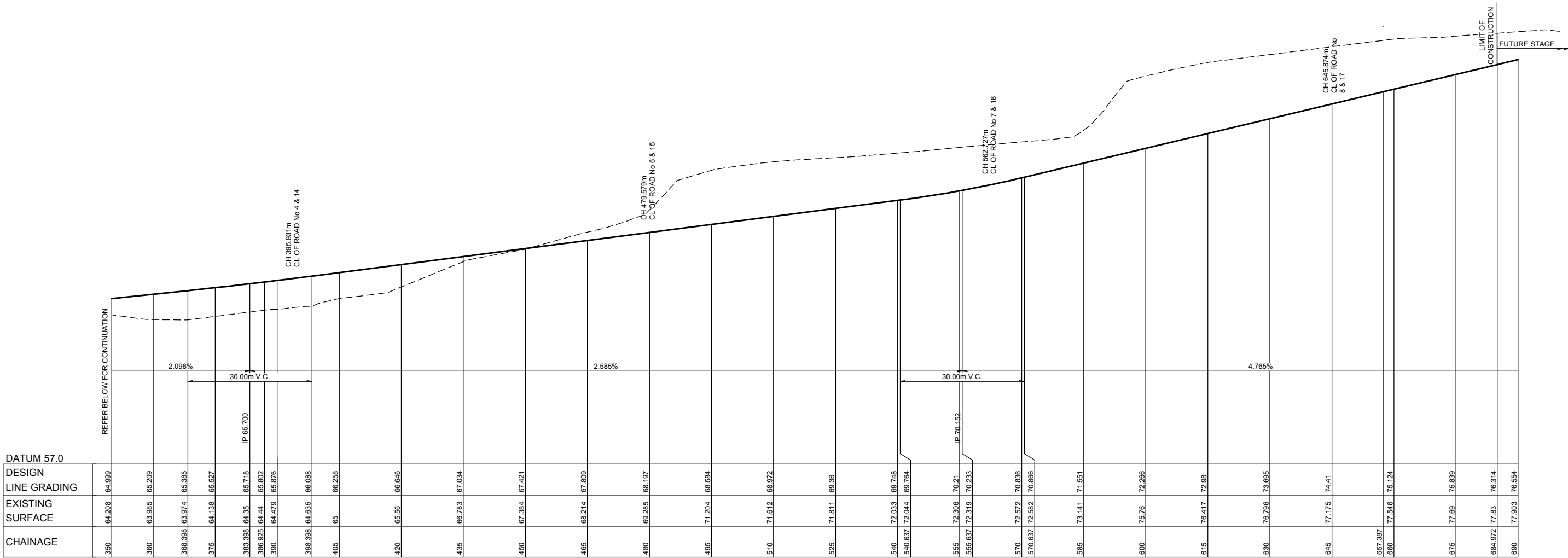


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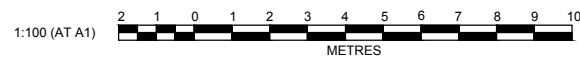
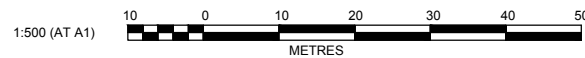
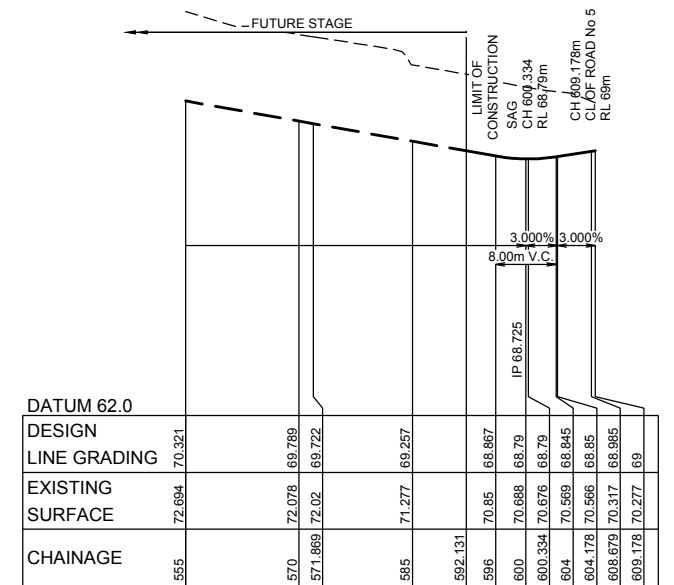
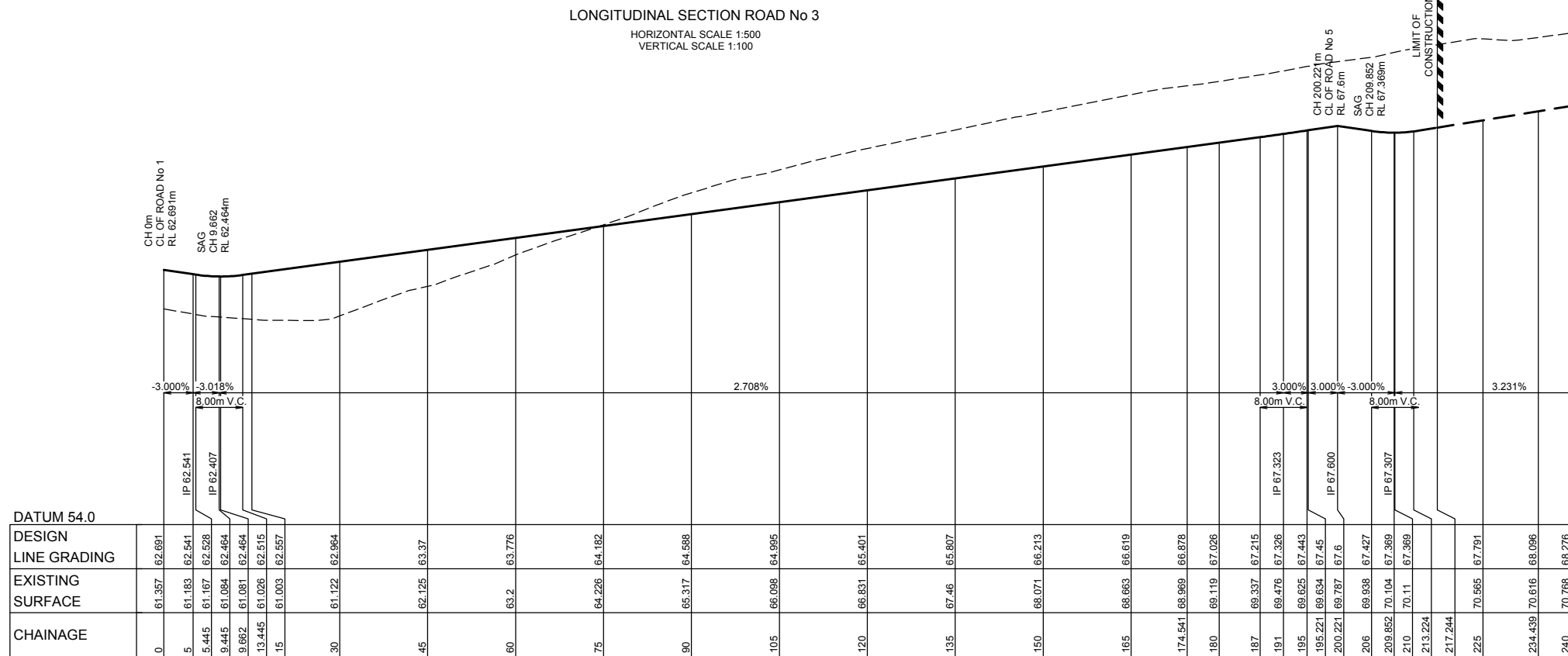
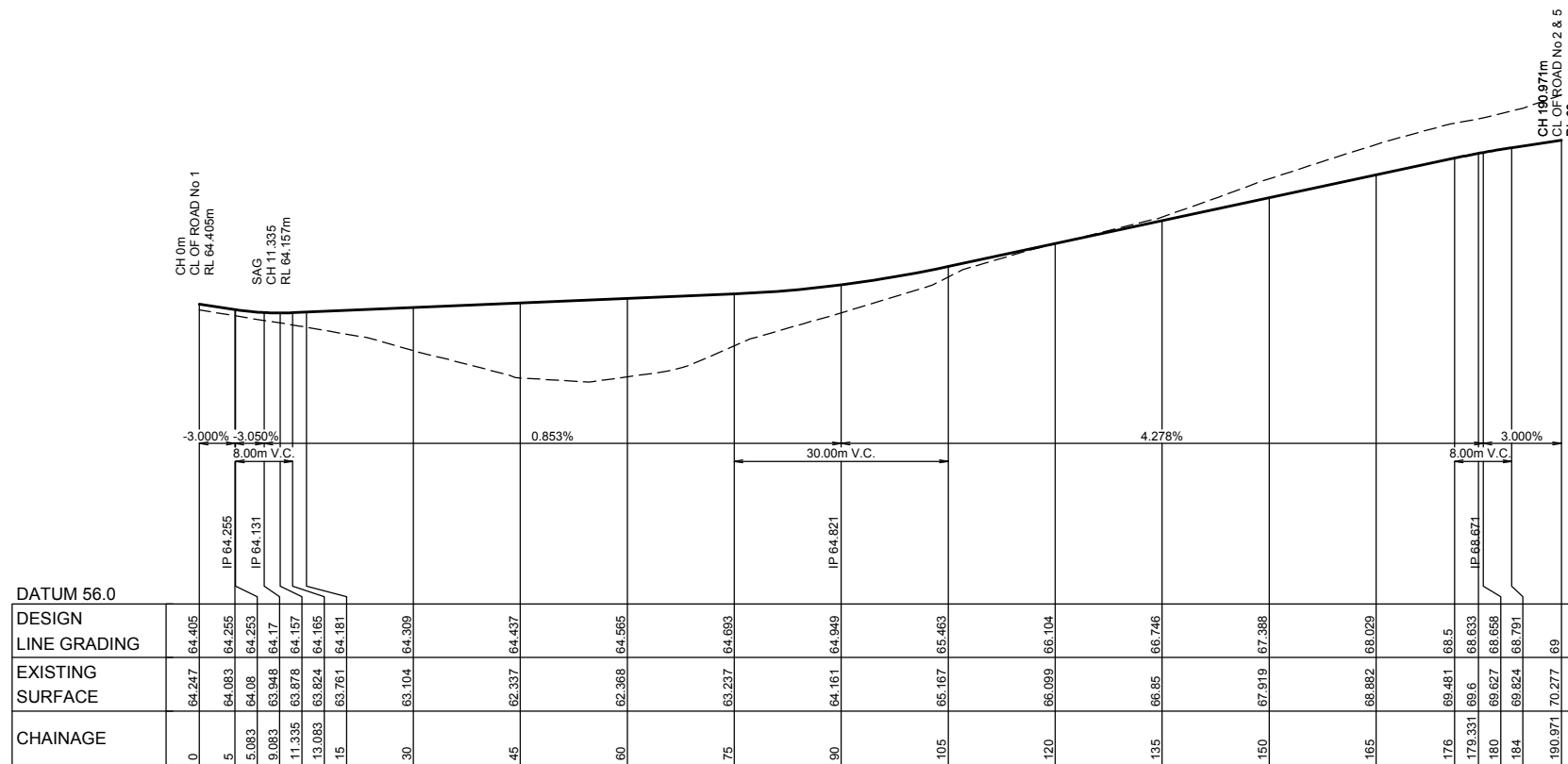
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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
ROAD LONGITUDINAL SECTION
ROAD No. 1

PLAN No:
9015/DA10
FILE No: 9015DA10
SHEET SIZE: A1 ORIGINAL

B



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	AMENDMENT	DES	DRN	CKD	APR	DATE

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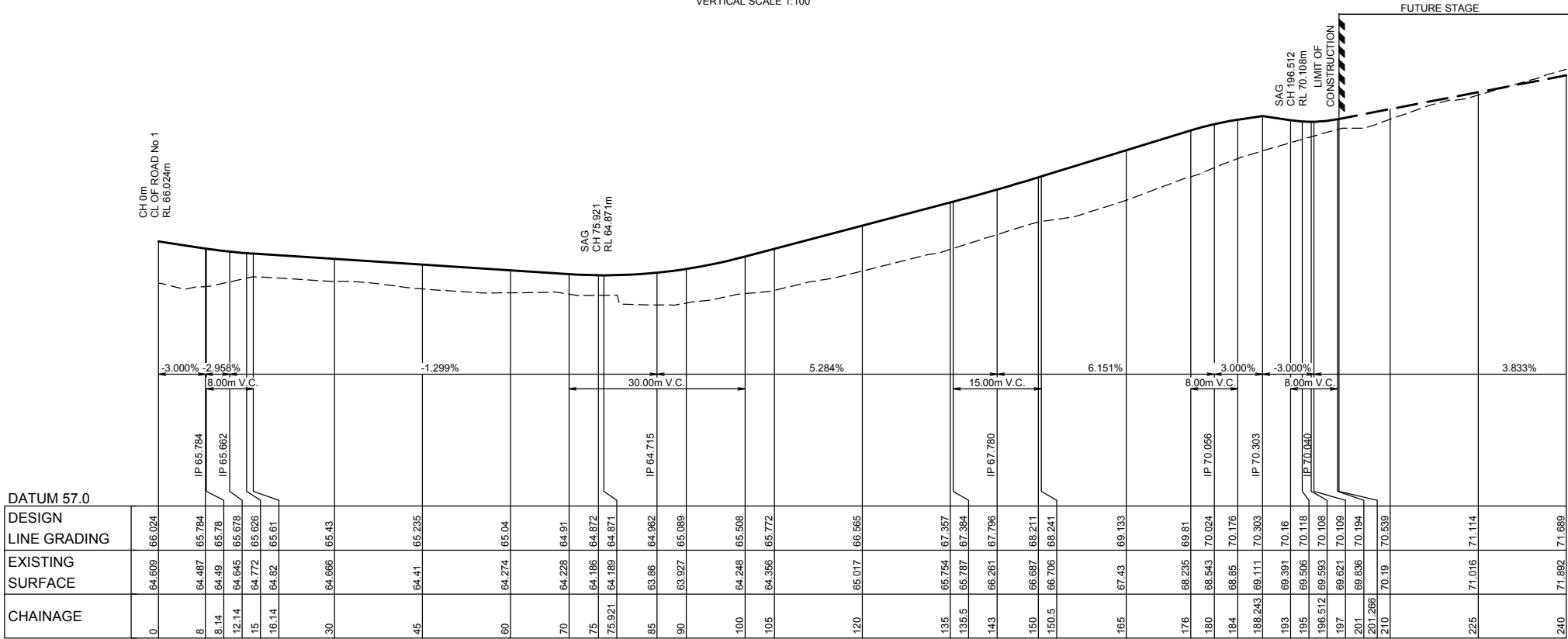
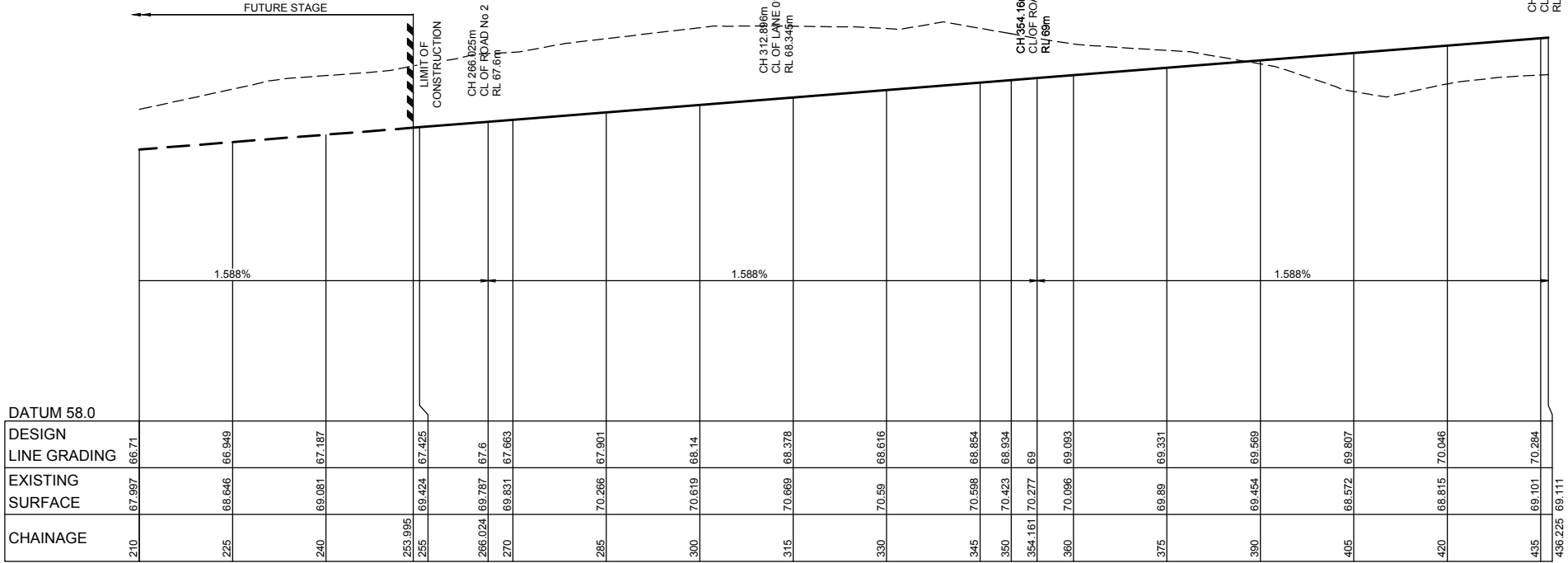
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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
ROAD LONGITUDINAL SECTION
ROAD No. 2 AND 3

PLAN No:	9015/DA11	B
FILE No:	9015DA11	
SHEET SIZE:	A1 ORIGINAL	

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A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	23/08/10			
	AMENDMENT	DES	DRN	CKD	APR	DATE			

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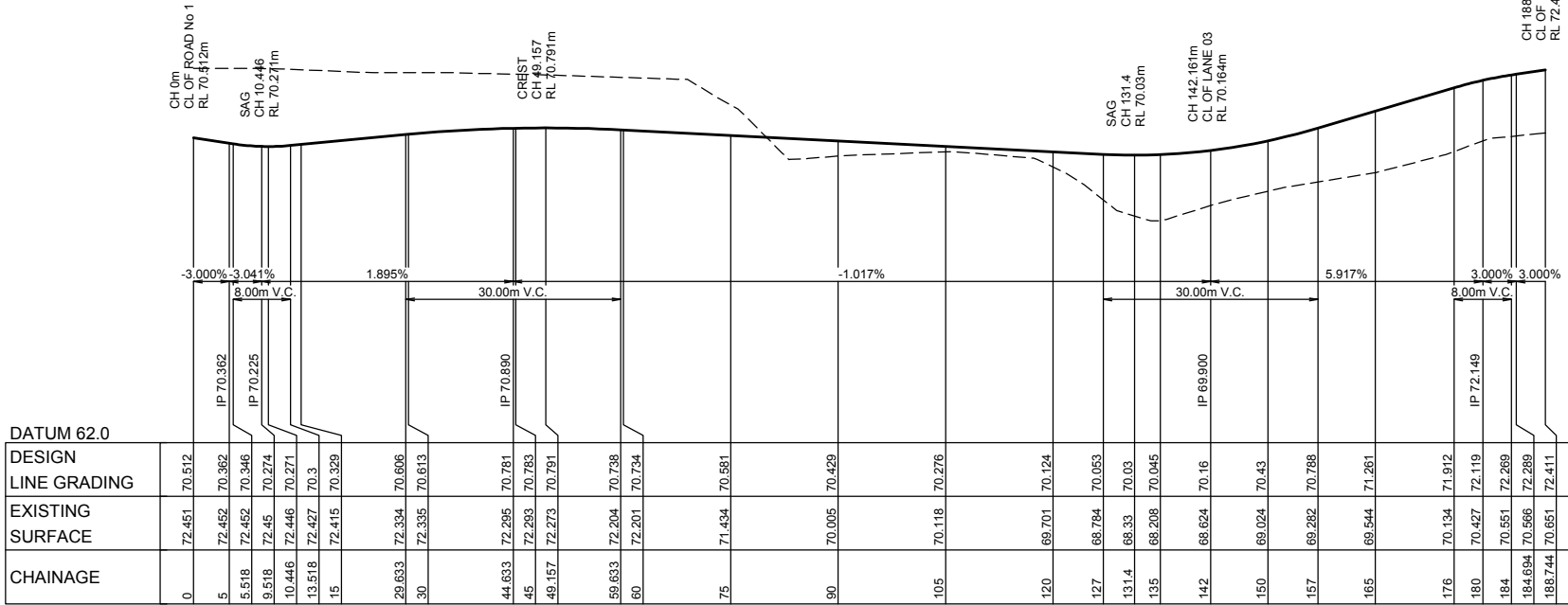
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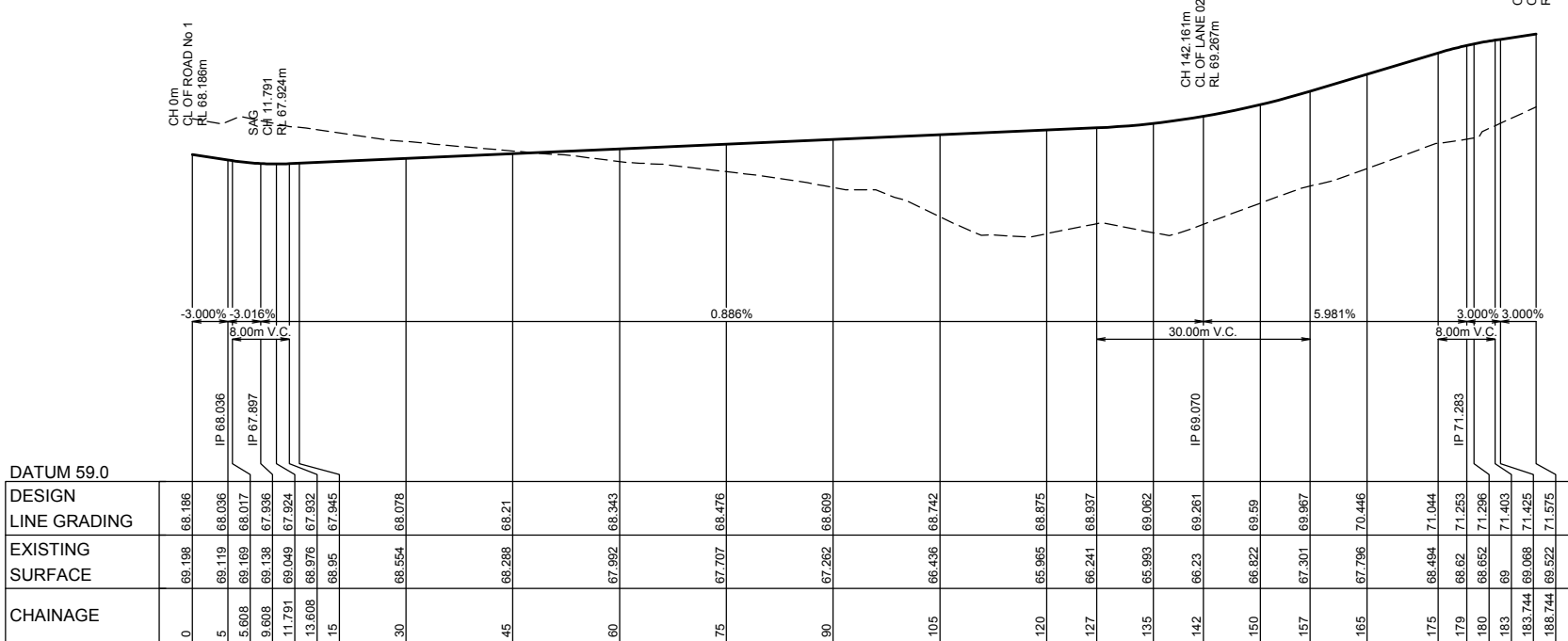
EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
ROAD LONGITUDINAL SECTION
ROAD No. 4 AND 5

PLAN No:	9015/DA12	B
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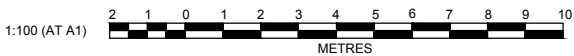
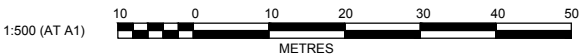
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LONGITUDINAL SECTION ROAD No 7
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION ROAD No 6
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



qsave									
e									
zoom									
B	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	24/08/10			
A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	23/08/10			
	AMENDMENT	DES	DRN	CKD	APR	DATE			

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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
ROAD LONGITUDINAL SECTION
ROAD No. 6 AND 7

PLAN No:	9015/DA13	B
FILE No:	9015DA13	
SHEET SIZE:	A1 ORIGINAL	



HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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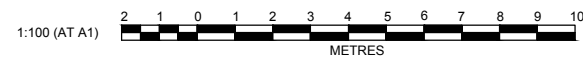
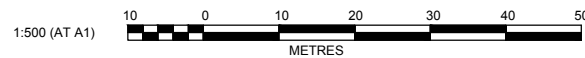
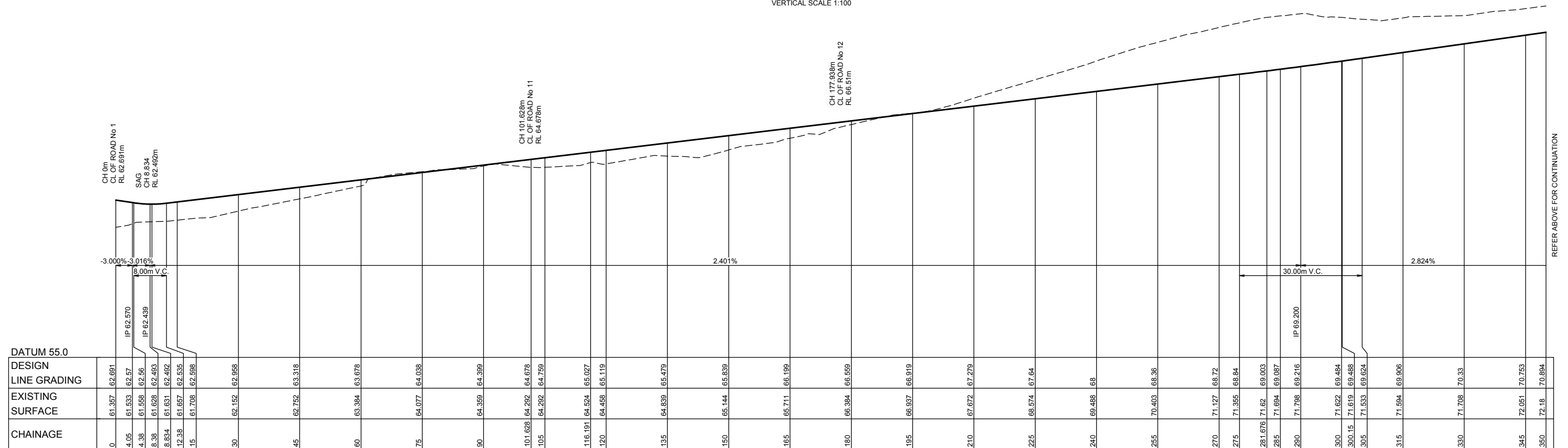
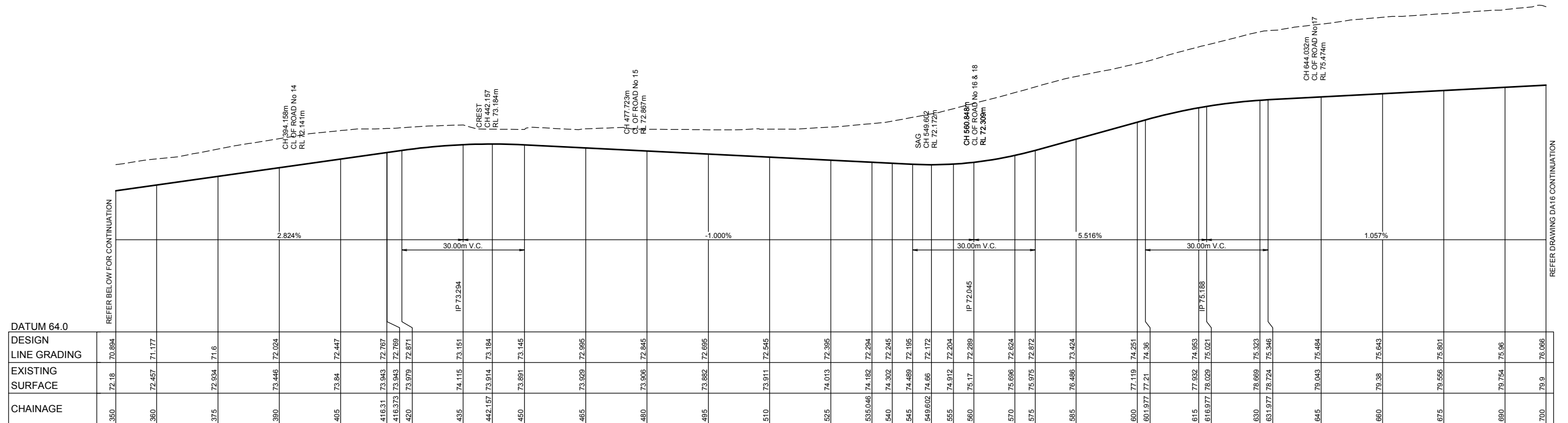
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STAGE 1 PROJECT APPLICATION

PLAN No:
9015/DA14

FILE No: 9015DA14

SHEET SIZE: A1 ORIGINAL



B	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	24/08/16
A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	23/08/16
	AMENDMENT	DES	DRN	CKD	APR	DATE

DJH	AS	KN	SA	24/08/10
DJH	AS	KN	SA	23/08/10
DES	DRN	CKD	APR	DATE

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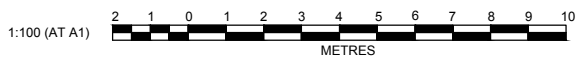
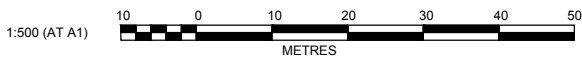
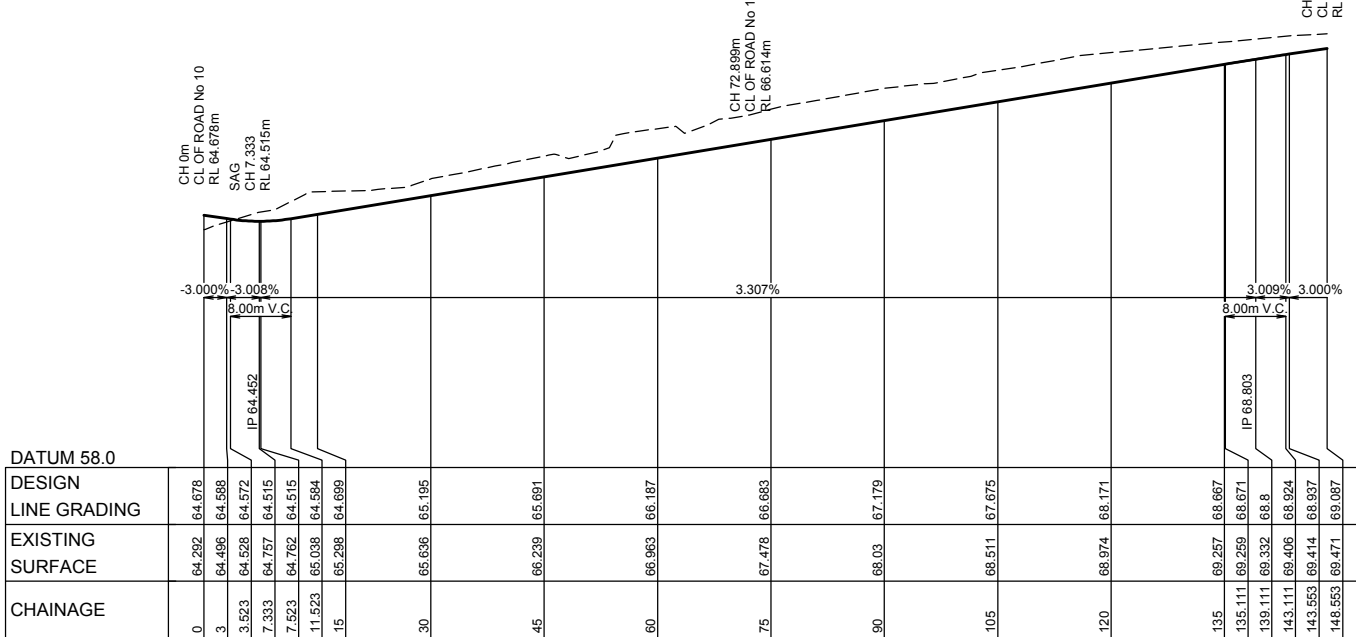
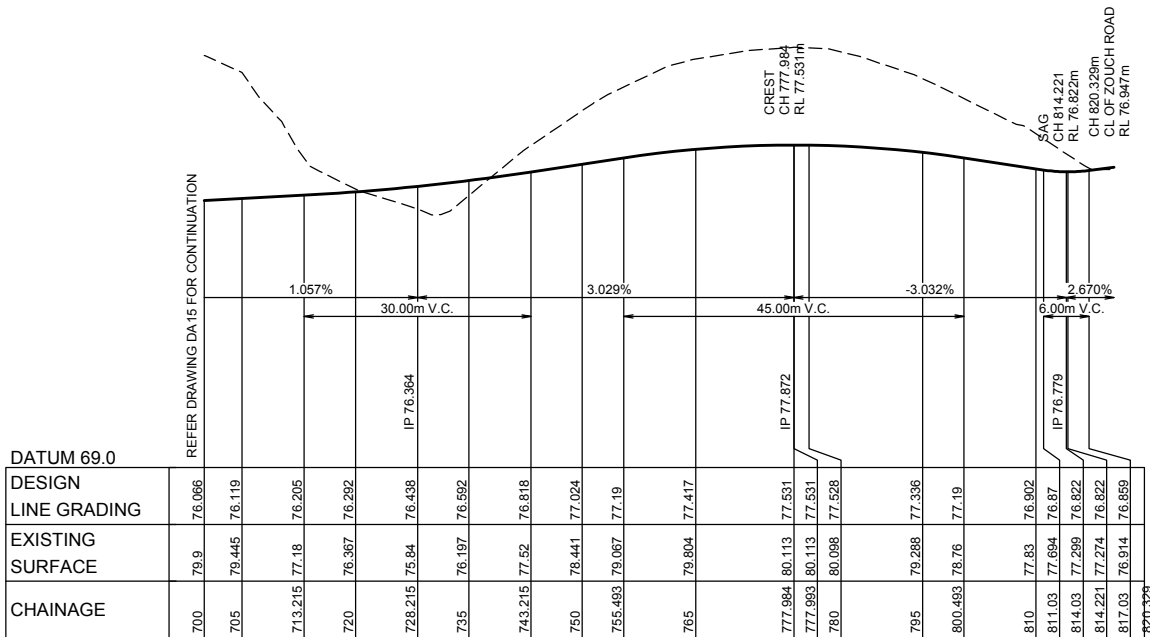
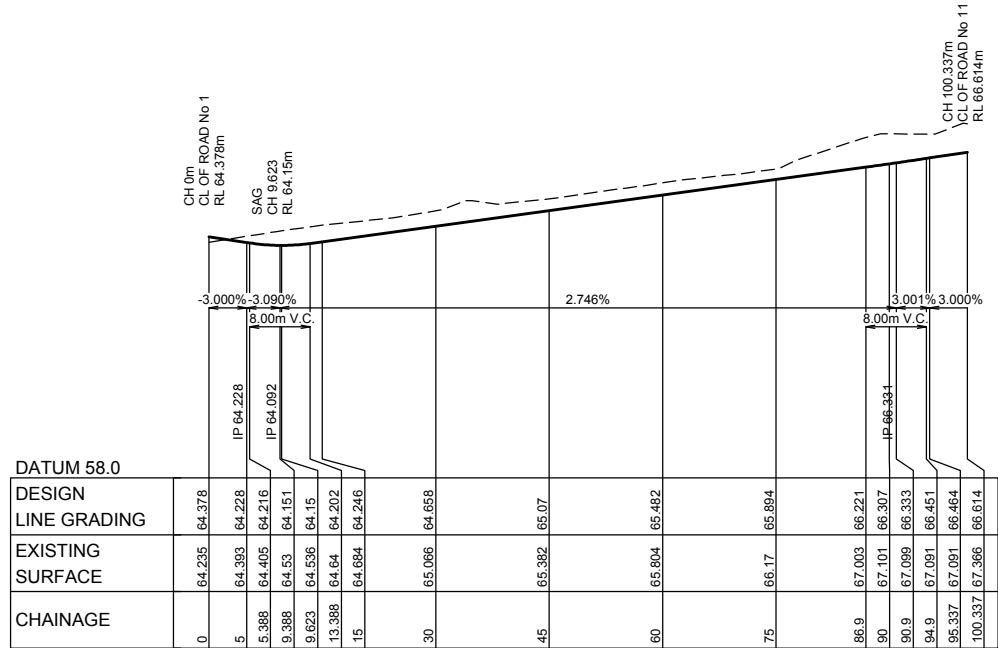
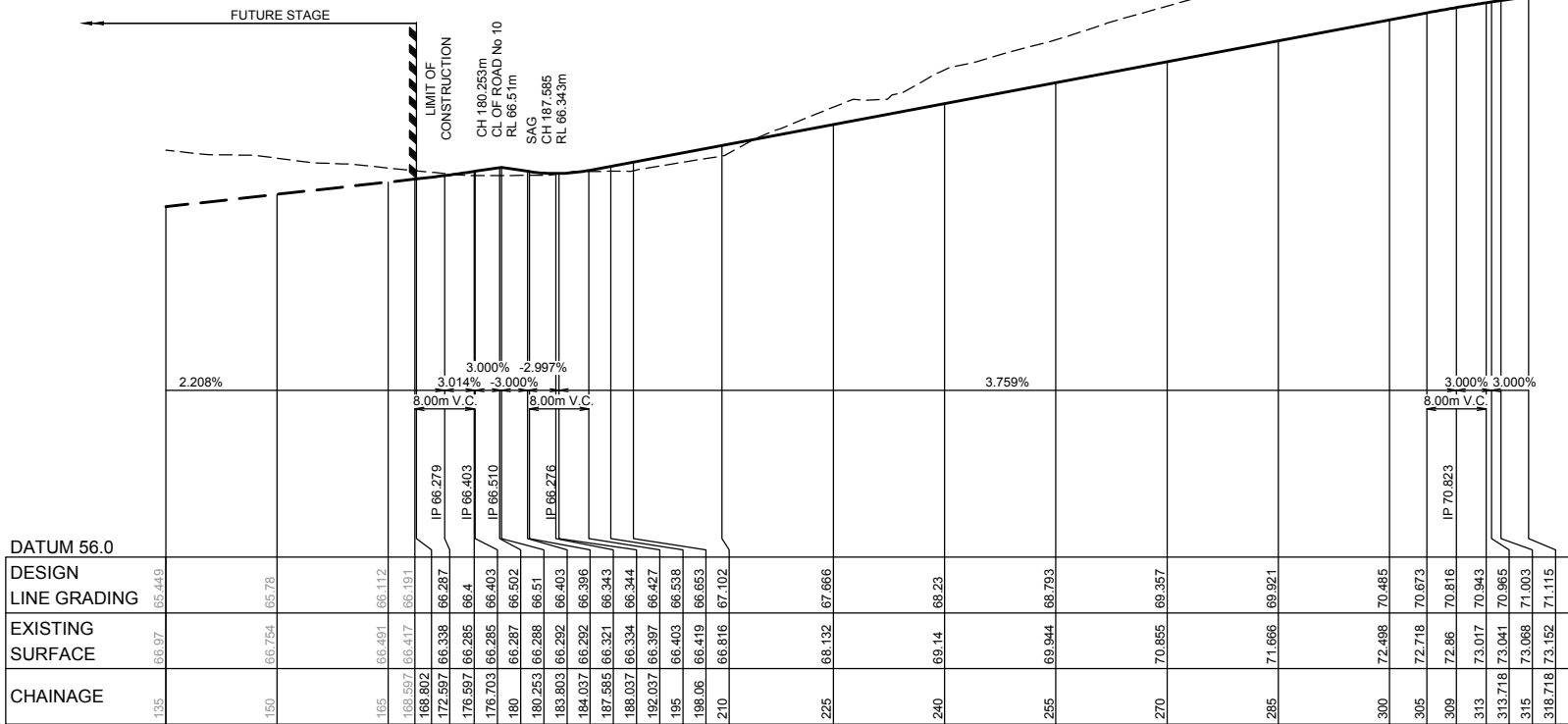
ISSUED FOR
PART 3A STAGE 1 PROJECT APPLICATION

EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATIONROAD LONGITUDINAL SECTION
ROAD No. 10PLAN No:
9015/DA15

FILE No: 9015DA15

SHEET SIZE: A1 ORIGINAL

Plotted: August 24, 2010, File Name: J:\9015DA16 - Development Application Approval Plans\9015DA16 ROAD_LST.dwg



B	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	24/08/10			
A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	23/08/10			
	AMENDMENT	DES	DRN	CKD	APR	DATE			

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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION

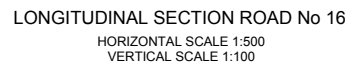
ROAD LONGITUDINAL SECTION
ROAD No. 10 (CONT'D), 11, 12 AND 13

PLAN No:
9015/DA16

B

FILE No: 9015DA16

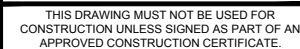
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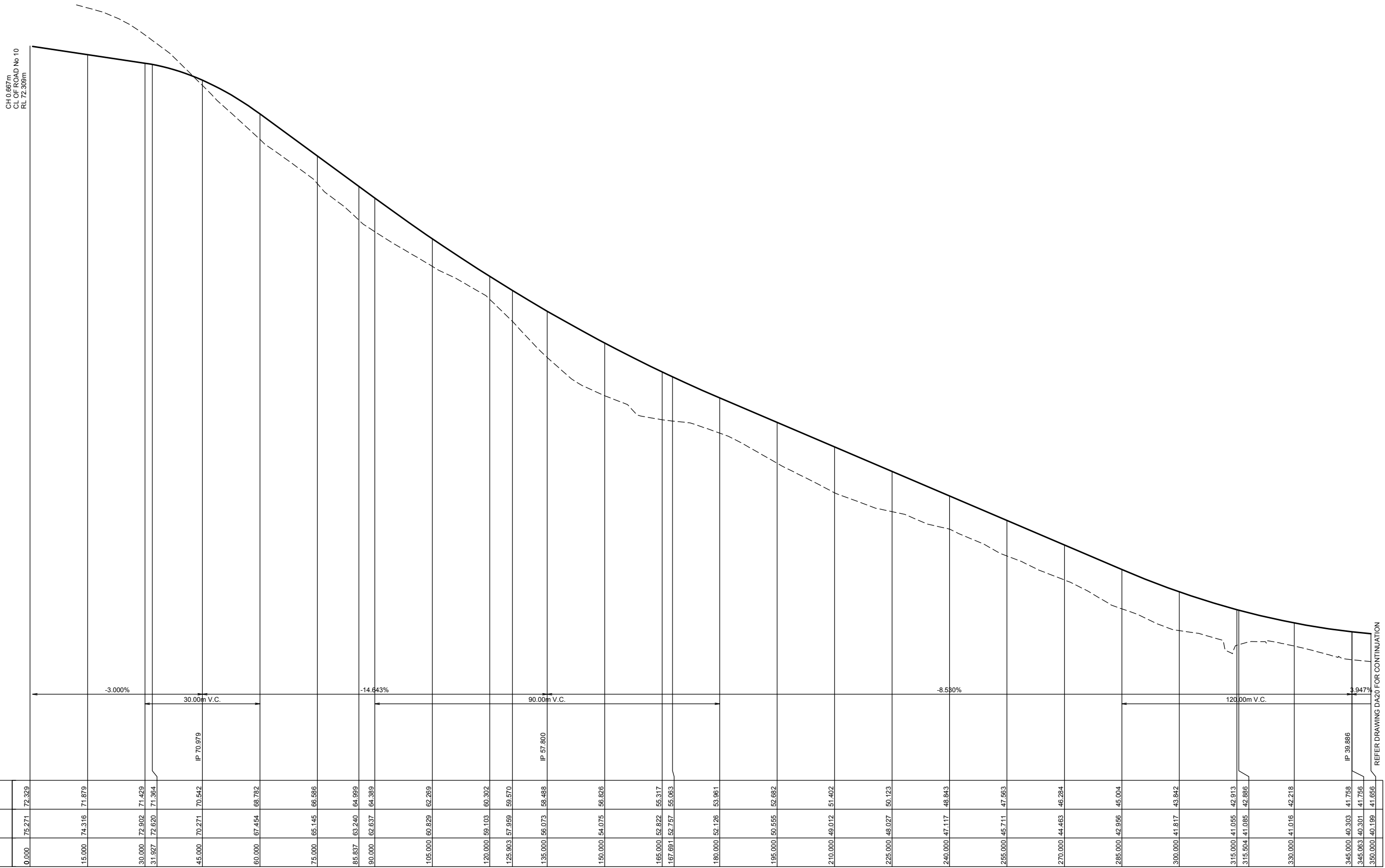
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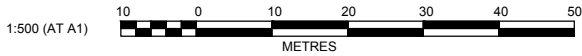
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STAGE 1 PROJECT APPLICATION
ROAD LONGITUDINAL SECTION
ROAD No. 16 AND 17

PLAN No:	9015/DA18	B
FILE No:	9015DA18	
SHEET SIZE:	A1 ORIGINAL	

Plotted: August 24, 2010, File Name: J:\9015\DA19 - Development Application Approval Plans\9015DA19 ROAD_LS10.dwg



LONGITUDINAL SECTION ROAD No 18
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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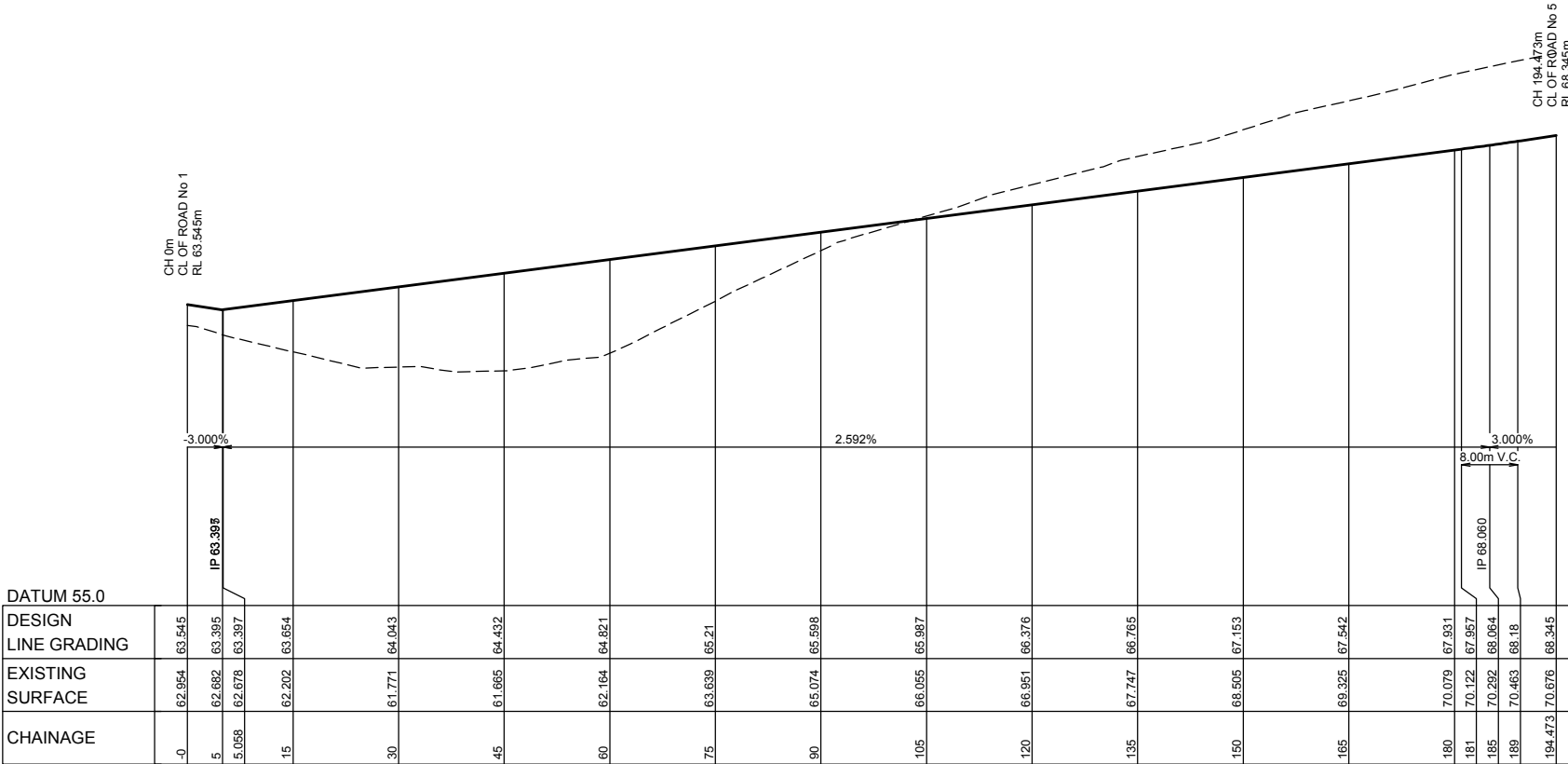
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STAGE 1 PROJECT APPLICATION
ROAD LONGITUDINAL SECTION
ROAD No. 18

PLAN No:	9015/DA19	B
FILE No:	9015DA19	
SHEET SIZE:	A1 ORIGINAL	

Plotted: August 24, 2010, File Name: J:\9015DA20 - Development Application Approval Plans\9015DA20 ROAD_LS11.dwg



Plotted: August 24, 2010 File Name: J:\9015\DA22 - Development Application Approval Plans\9015DA22 ROAD, LS13.dwg

CH 0m
CL OF ZOUCH ROAD
RL 74.1m

REFER BELOW FOR CONTINUATION

DATUM 37.0	
DESIGN LINE GRADING	350.000 45.697 46.258
EXISTING SURFACE	352.427 45.392 46.124
CHAINAGE	360.000 44.389 45.824
	371.352 43.304 45.375

LONGITUDINAL SECTION DRIVEWAY 1
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

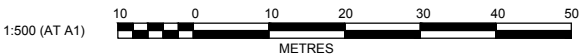
DATUM 68.0	
DESIGN LINE GRADING	315.000 77.134
EXISTING SURFACE	318.473 77.383 77.395
CHAINAGE	325.973 77.926 77.895
	330.000 78.230 78.120
	333.473 78.476 78.303
	336.861 78.716 78.474
	345.000 79.095 78.746
	348.930 79.232 78.778
	351.861 79.230 78.760
	357.147 79.037 78.637
	360.000 78.934 78.522
	364.710 78.578 78.259
	366.861 78.377 78.107
	375.000 77.573 77.498
	380.000 76.264 76.376
	390.820 76.209 76.314
	405.000 75.520 75.394
	405.820 75.489 75.350
	419.317 74.986 74.752
	420.000 74.957 74.729
	420.820 74.921 74.701
	432.053 74.631 74.334
	435.000 74.515 74.238
	439.216 74.347 74.100

LONGITUDINAL SECTION ZOUCH ROAD
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

DATUM 39.0	
DESIGN LINE GRADING	0.000 74.347
EXISTING SURFACE	12.668 73.895 73.734
CHAINAGE	15.000 73.634 73.624
	27.668 72.245 72.426
	30.000 71.946 72.095
	42.668 69.854 69.699
	45.000 69.168 69.165
	60.000 65.212 65.729
	68.650 63.361 63.746
	71.738 62.768 63.041
	75.000 62.102 62.294
	82.835 60.525 60.499
	90.000 59.562 58.977
	105.000 57.752 56.560
	106.335 57.726 56.518
	120.000 56.464 55.185
	127.835 56.043 54.881
	135.000 55.013 54.734
	150.000 54.431 54.424
	165.000 53.890 54.114
	180.000 53.735 53.804
	195.000 53.464 53.495
	210.000 52.990 53.185
	216.962 52.917 53.041
	225.000 52.893 52.951
	225.803 52.880 52.950
	231.962 52.732 52.994
	240.000 52.800 53.185
	246.962 53.098 53.473
	255.000 53.382 53.870
	270.000 54.137 54.611
	277.008 54.600 54.958
	283.789 55.107 55.125
	285.000 55.184 55.120
	289.788 55.468 54.994
	292.008 55.501 54.879
	300.000 54.745 54.168
	303.872 54.010 53.855
	307.008 53.320 53.161
	315.000 51.572 51.808
	330.000 48.495 49.270
	342.427 46.699 47.168
	345.000 46.353 46.775
	347.427 46.032 46.484
	350.000 45.697 46.258

LONGITUDINAL SECTION DRIVEWAY 1
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

REFER ABOVE FOR CONTINUATION



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	AMENDMENT	DES	DRN	CKD	APR	DATE			

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STAGE 1 PROJECT APPLICATION

ROAD LONGITUDINAL SECTION
ZOUCH ROAD AND DRIVEWAY 1

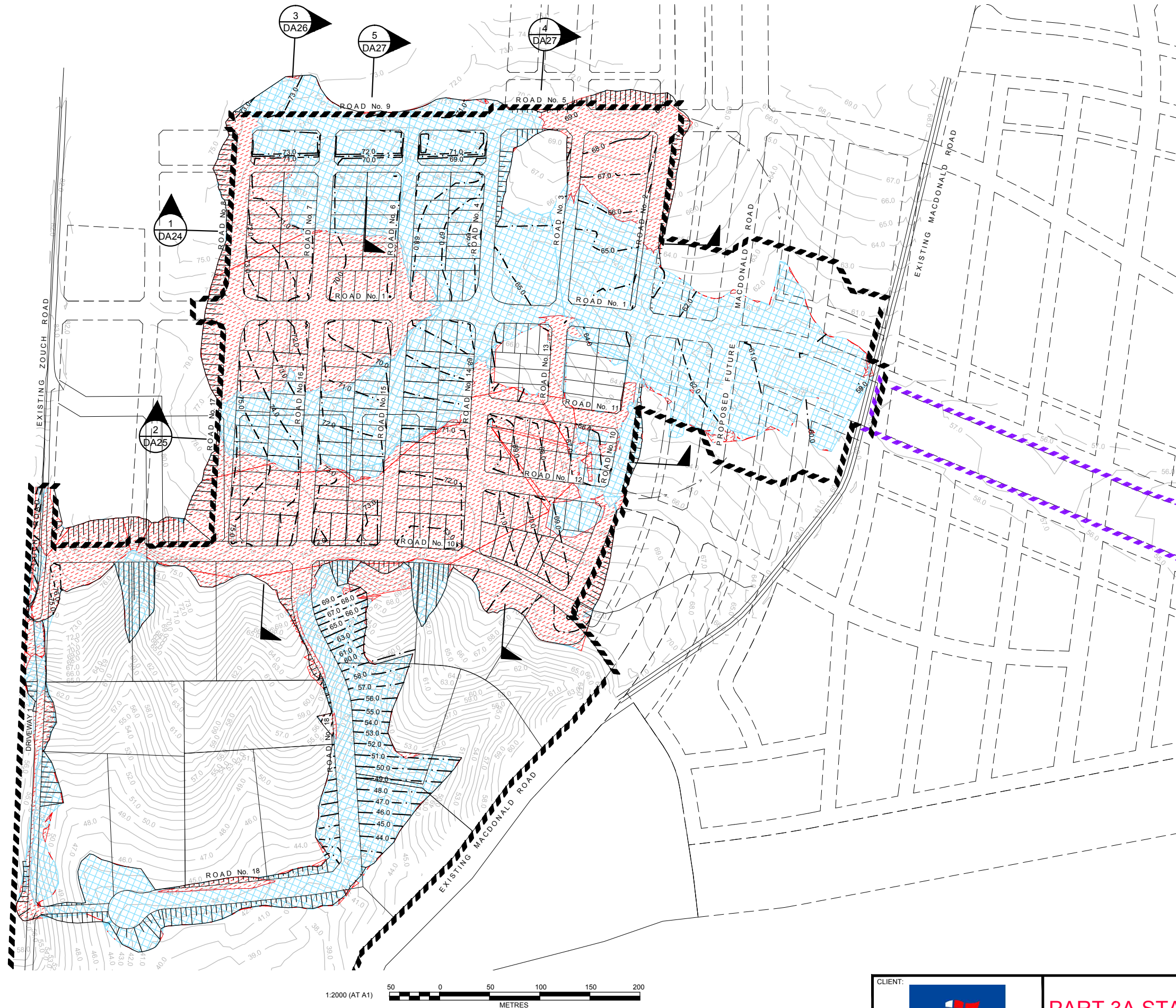
PLAN No:
9015/DA22

B

FILE No: 9015DA22

SHEET SIZE: A1 ORIGINAL

Plotted: August 24, 2010 File Name: J:\9015DA23 - Development Application Approval Plans\9015DA23 CUT FILL PLAN1.dwg



NOTE:
FINAL CUT TO FILL EXTENT SUBJECT TO
DETAILED DESIGN

LEGEND

- FILL
- CUT
- REGRADE CONTOURS

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STAGE 1 PROJECT APPLICATION

CUT / FILL PLAN

PLAN No:
9015/DA23

B

FILE No: 9015DA23

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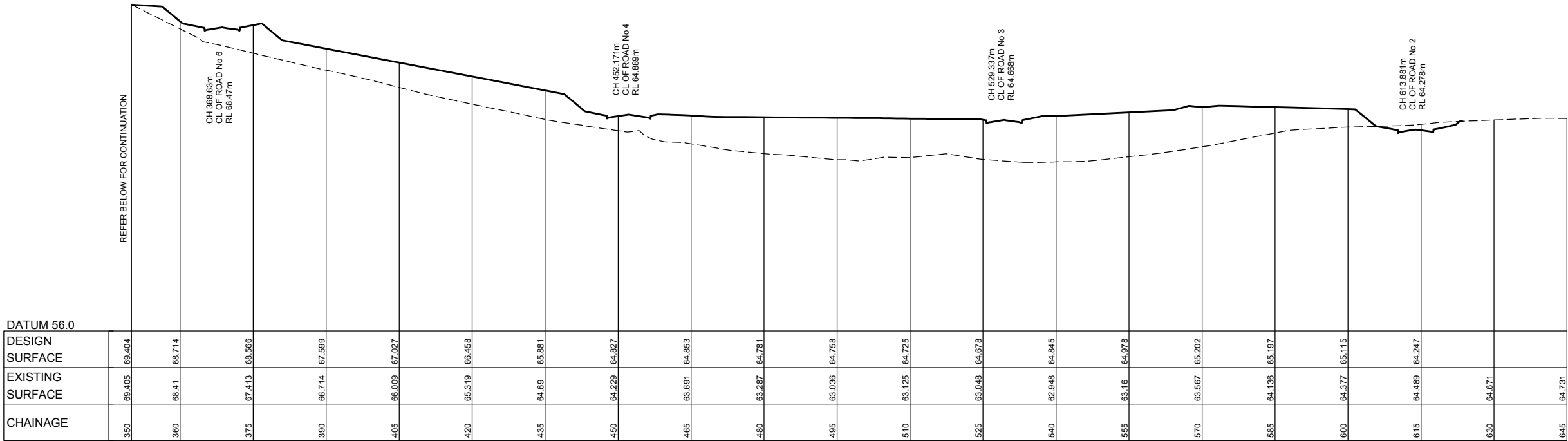
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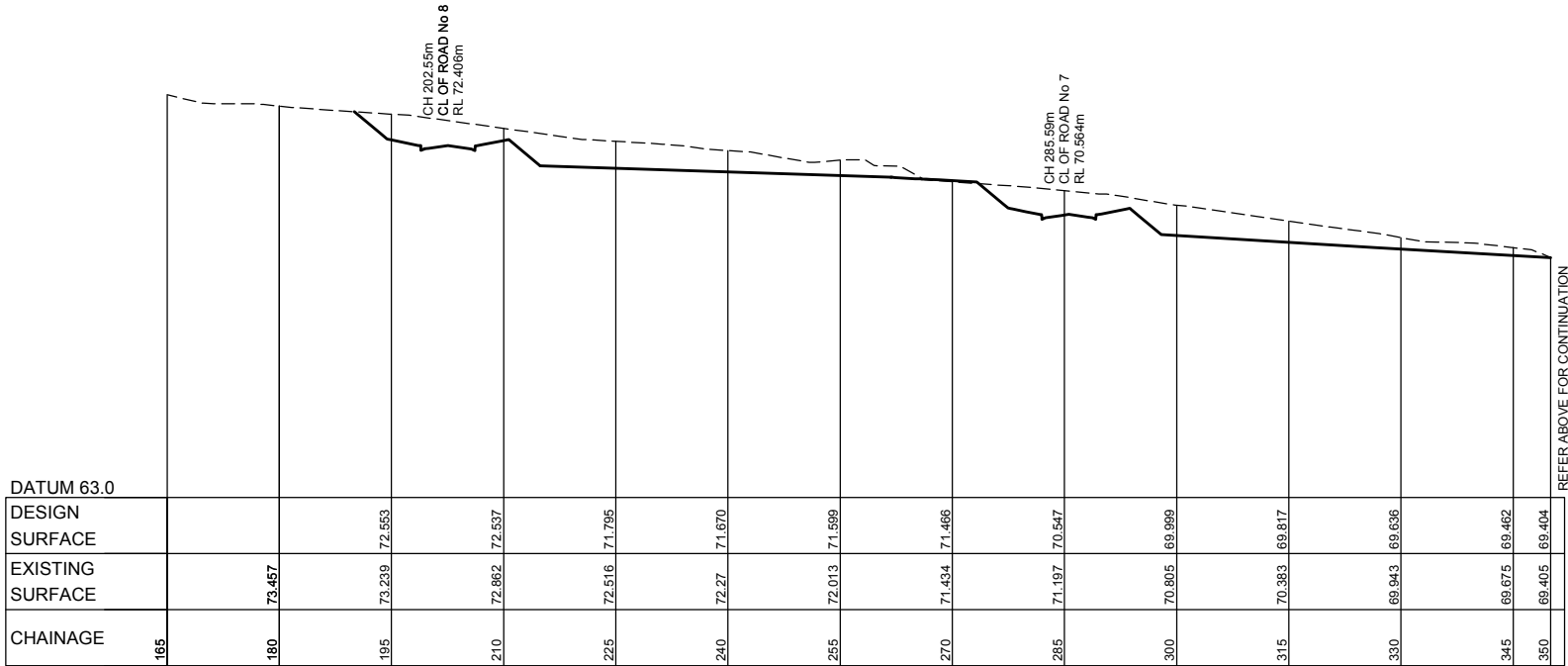
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Plotted: August 24, 2010, File Name: J:\9015\DA24 - Development Application Approval Plans\9015DA24 SITE SECTION1.dwg



SECTION 1
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



SECTION 1
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
SITE SECTION 1

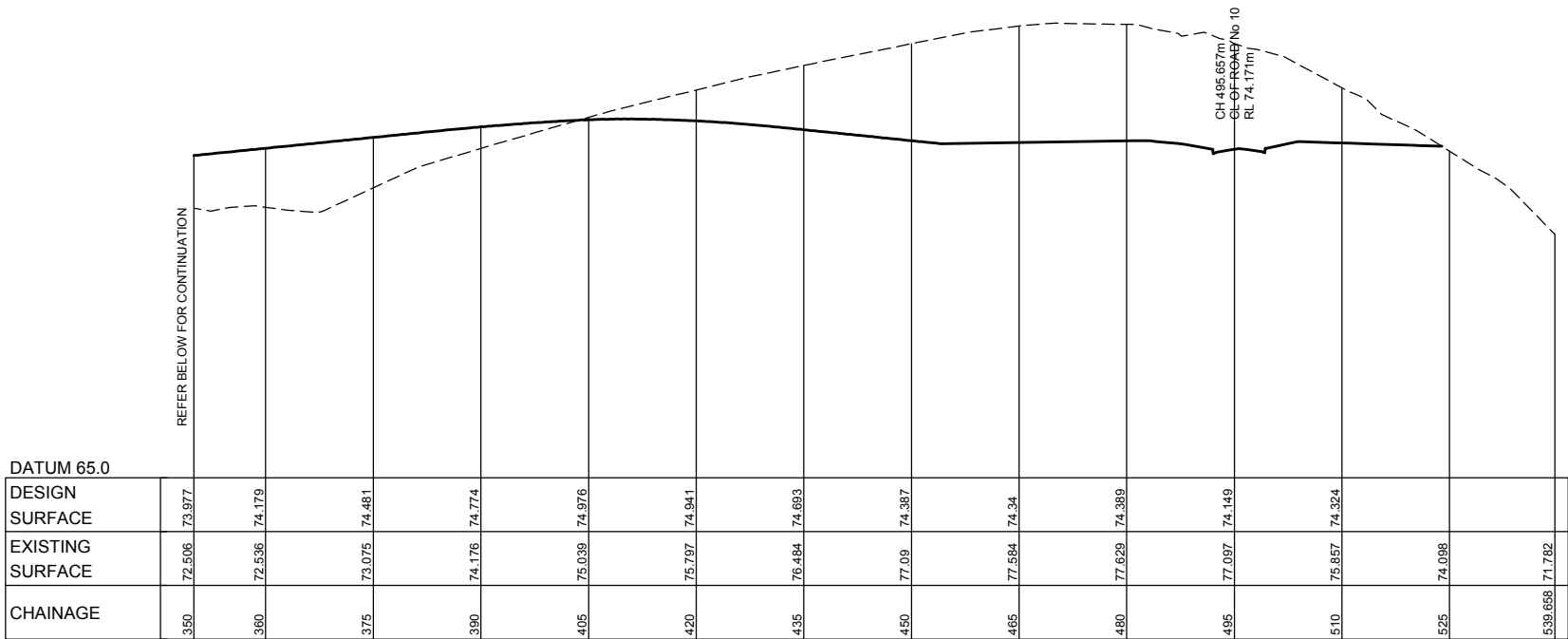
PLAN No:
9015/DA24

B

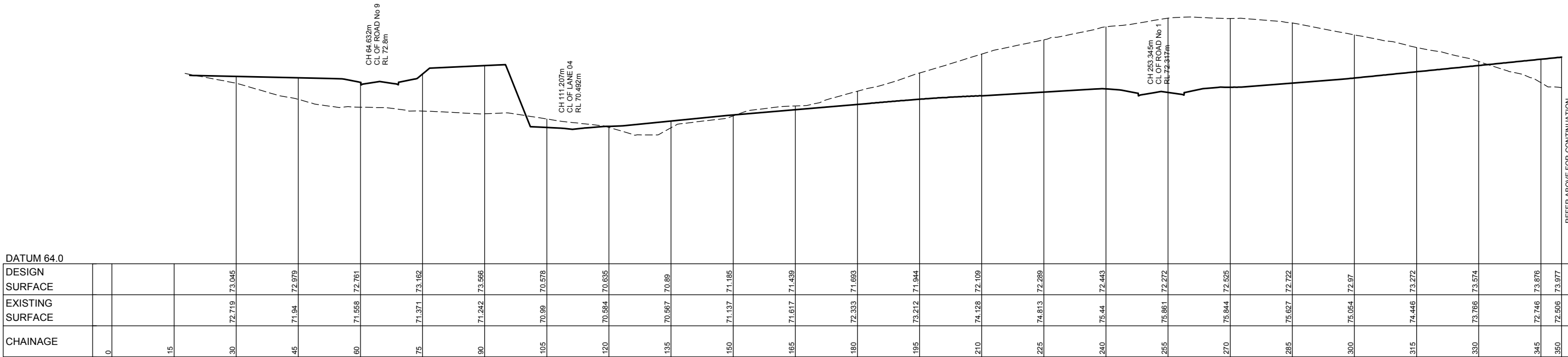
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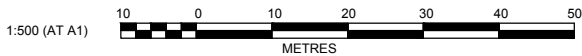
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SECTION 3
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



SECTION 3
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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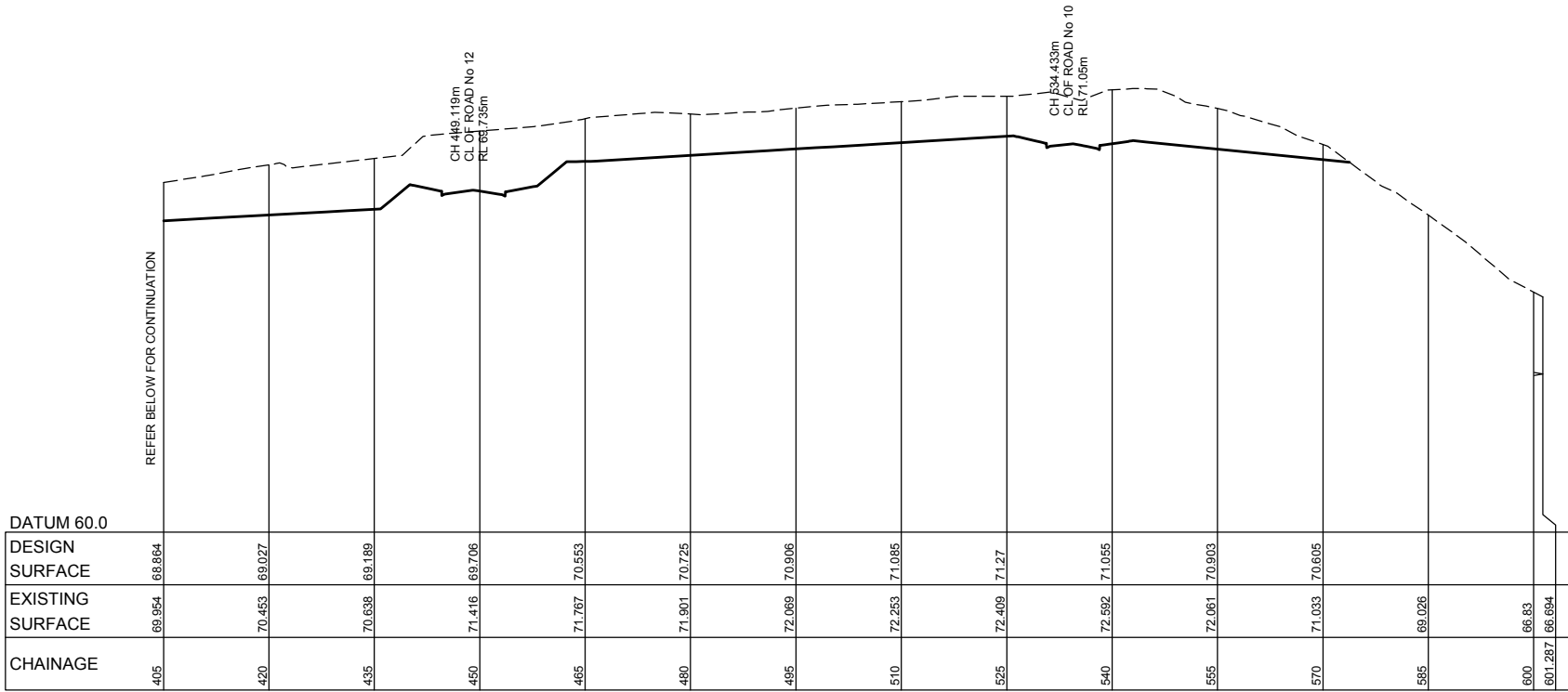
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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
SITE SECTION 3

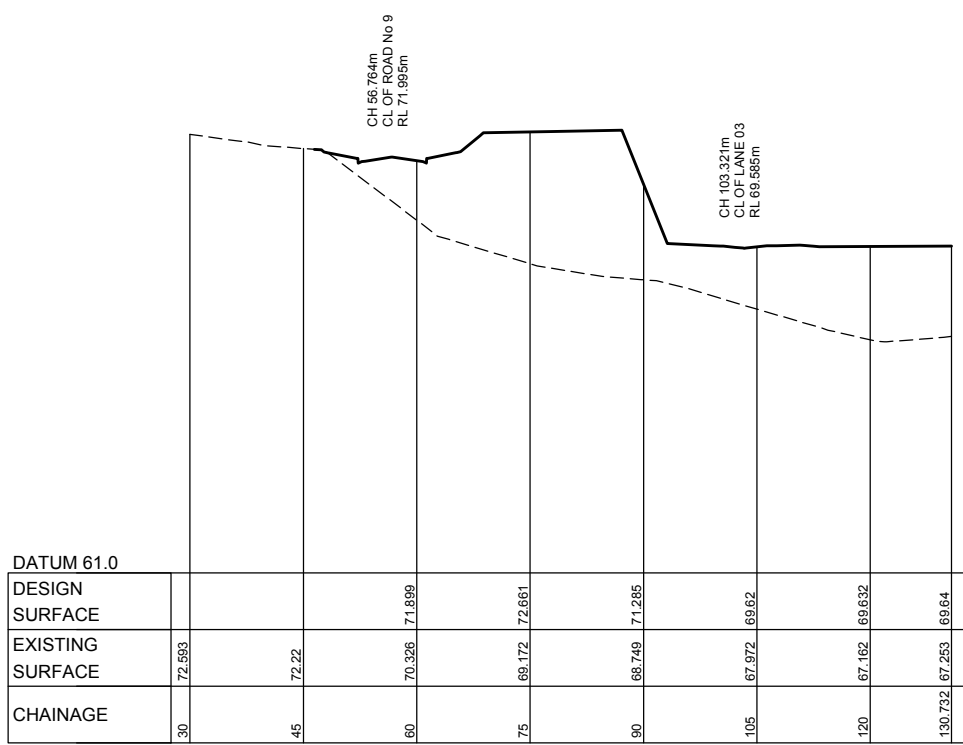
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9015/DA26
FILE No: 9015DA26
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B

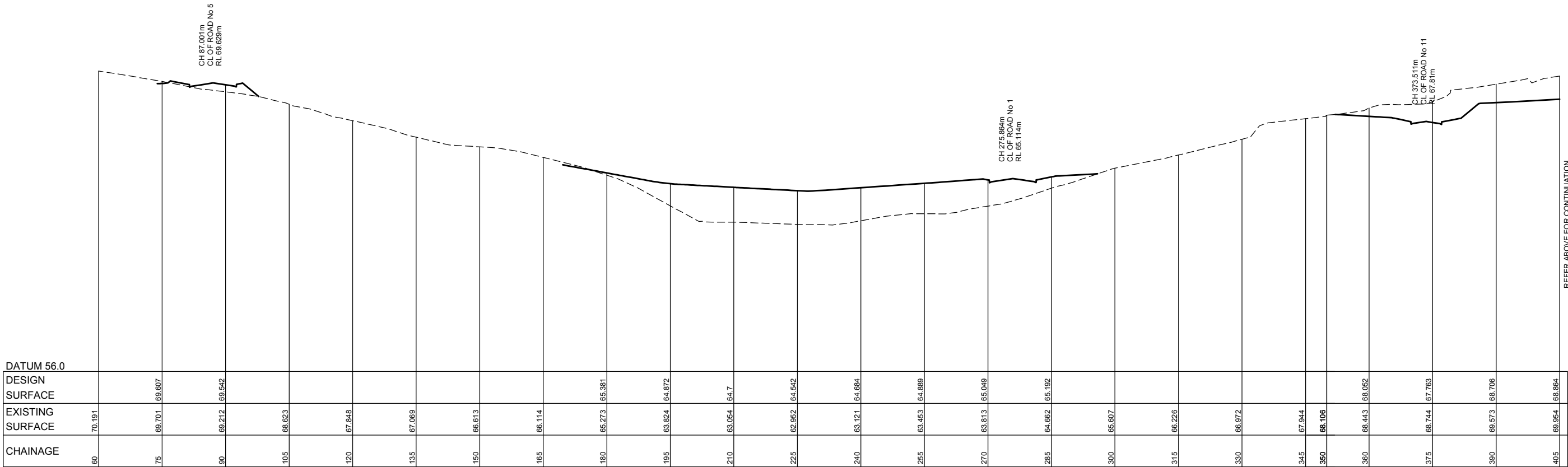
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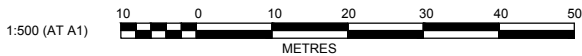
SECTION 4
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



SECTION 5
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



SECTION 4
REFER DRAWING DA23 FOR SECTION MARK
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION
SITE SECTION 4 AND 5

PLAN No:
9015/DA27

B

FILE No: 9015DA27

SHEET SIZE: A1 ORIGINAL



LEGEND

	STABILISED SITE ACCESS
	SILT FENCE
	STRAW BALE BARRIER
	STOCKPILE
	FILL
	CUT

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STAGE 1 PROJECT APPLICATION
SOIL & WATER MANAGEMENT PLAN

PLAN No:	9015/DA28	E
FILE No:	9015DA28	
SHEET SIZE:	A1 ORIGINAL	

Plotted: August 24, 2010 File Name: J:\9015DIDA - Development Application Approval Plans\9015DA28 SWM PLAN.dwg

GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE "ENVIRONMENT PROTECTION AUTHORITY" AND DEPT OF LAND AND WATER CONSERVATION". MEASURES OUTLINED IN THE SOIL & WATER MANAGEMENT PLAN MUST BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING AND AFTER THE CONSTRUCTION WORKS.
- TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILIZED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
- DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
- ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN 14 WORKING DAYS FROM THE CONCLUSION OF LAND SHAPING.
- MINIMISE DUST BY WATERING WHEN REQUIRED.

STOCKPILE NOTES:

- SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
- IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILIZED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.
- FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON THE BARE SOIL SURFACES AND REVEGETATE. ALL STOCKPILES TO BE (MAX) 2m HIGH AND PROTECTED WITH SILT FENCE.

SPECIAL NOTES:

- LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GUIDELINES SET OUT IN "MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION" - 4TH EDITION AND THE ACCOMPANYING ROAD AND DRAINAGE PLANS.
- CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER DAMAGE DURING THE COURSE OF THE CONTRACT.
- MANAGEMENT DEVICES SHALL BE MAINTAINED ON A REGULAR BASIS. WHERE CLEANING IS REQUIRED, THE SEDIMENT SHALL BE REMOVED TO A POINT NOMINATED BY THE ENGINEER.
- PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS, AND AFTER THE ROAD CENTRELINES HAVE BEEN PEGGED AND/OR PERMANENTLY MARKED, THE SITE MUST BE INSPECTED BY COUNCIL'S REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE TO IDENTIFY AND APPROPRIATELY MARK:-
a) THE TREES TO BE RETAINED.
b) ALL TREES TO BE LEFT UNDISTURBED AND TO BE CORDONED OFF.
- NO TREES SHALL BE REMOVED WITHOUT COUNCIL'S CLEARANCE.
- MANAGEMENT DEVICES TO REMAIN UNTIL THE END OF THE MAINTENANCE PERIOD.

SEDIMENTATION CONTROL DEVICES:

- ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 450mm INTO THE GROUND AND LOCATED ON THE BALE CENTRE LINE.
- SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2m (3m MAX) CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.

1. Site Data Sheet

Site Name: Edmondson Park Defense Site						
Site Location: Ingleburn						
Precinct: Stage 1						
Description of Site:						
Site area	Site					Remarks
	1a	1b	7			
Total catchment area (ha)	27.7	24.2	28			
Disturbed catchment area (ha)	6.67	18.6	1.2			
Soil analysis						
% sand (fraction 0.02 to 2.00 mm)	10	10	10			Soil texture should be assessed through mechanical dispersion only. Dispersing agents (e.g. Cargill) should not be used
% silt (fraction 0.002 to 0.02 mm)	30	30	30			
% clay (fraction finer than 0.002 mm)	60	60	60			
Dispersion percentage	50.0	50.0	50.0			E.g. enter 10 for dispersion of 10%
% of whole soil dispersible	37.5	37.5	37.5			See Section 6.3.3(e)
Soil Texture Group	D	D	D			See Section 6.3.3(c), (d) and (e)
Rainfall data						
Design rainfall depth (days)	5	5	5			See Sections 6.3.4 (d) and (e)
Design rainfall depth (percentile)	75	75	75			See Sections 6.3.4 (f) and (g)
x-day, y-percentile rainfall event	19.3	19.3	19.3			See Section 6.3.4 (h)
Rainfall intensity: 2-year, 6-hour storm	11	11	11			See IFO chart for the site
RUSLE Factors						
Rainfall erosivity (R-factor)	2630	2630	2630			Automatic calculation from above data
Soil erodibility (K-factor)	0.038	0.038	0.038			
Slope length (m)	80	80	80			RUSLE data can be obtained from Appendices A, B and C
Slope gradient (%)	5	5	5			
Length gradient (LS-factor)	1.19	1.19	1.19			
Erosion control practice (P-factor)	1.3	1.3	1.3			
Ground cover (C-factor)	1	1	1			
Calculations						
Soil loss (t/ha/yr)	155	155	155			
Soil Loss Class	2	2	2			See Section 4.4.2(b)
Soil loss (m ³ /ha/yr)	119	119	119			
Sediment basin storage volume, m ³	155	376	24			See Sections 6.3.4(i) and 6.3.5 (e)

Peak flow calculations, 1

Site	A (ha)	tc (mins)	Rainfall intensity, I, mm/hr						C _{is}
			1 yr, 2h	5 yr, 2h	10 yr, 2h	20 yr, 2h	50 yr, 2h	100 yr, 2h	
1a	27.7	28	36.4	58.7	65.6	74.8	86.8	96.3	0.9
1b	24.2	27	41.22	66.4	74.12	84.58	98.04	106.6	0.9
7	28	28	42.13	67.85	75.73	86.42	100.16	110.7	0.9

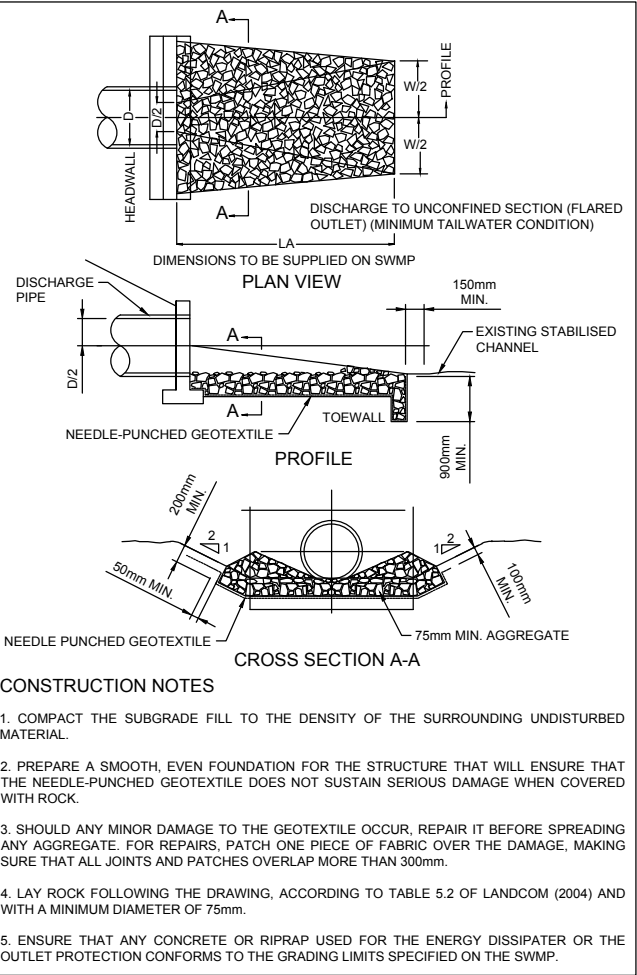
Peak flow calculations, 2

ARI (yrs)	Frequency factor (F _r)	Peak flows						Comment
		1a (m ³ /s)	1b (m ³ /s)	7 (m ³ /s)	5 (m ³ /s)	5 (m ³ /s)	5 (m ³ /s)	
1 yr, 2h	0.8	2.018	1.997	2.361				
5 yr, 2h	0.95	3.865	3.819	4.516				
10 yr, 2h	1	4.546	4.488	5.305				
20 yr, 2h	1.05	5.443	5.377	6.357				
50 yr, 2h	1.15	6.918	6.827	8.089				
100 yr, 2h	1.2	8.009	7.891	9.306				

Total Basin Volume

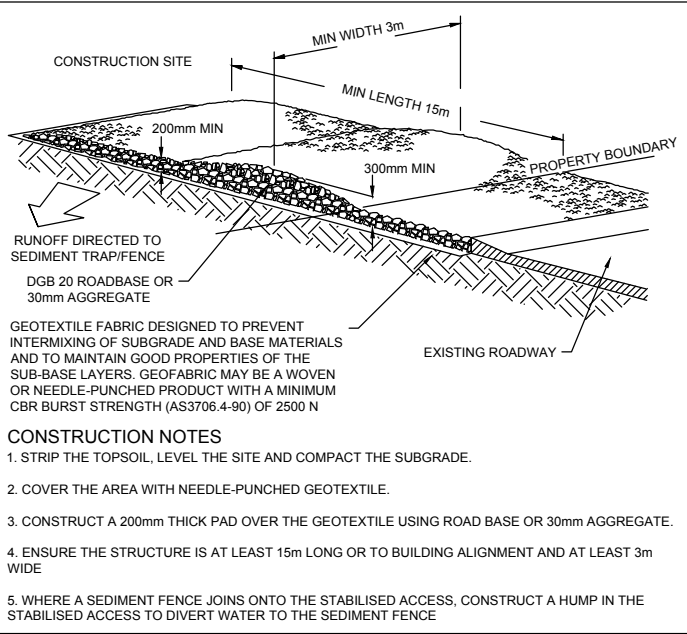
Site	C _v	R _{100yr, 2h}	Total catchment area (ha)	Settling zone volume (m ³)	Sediment storage volume (m ³)	Total basin volume (m ³)
1a	0.50	19.3	27.7	2673.05	135	2808.05
1b	0.50	19.3	24.2	2355.3	376	2731.3
7	0.50	19.3	28	2702	24	2726

SEDIMENT BASIN CALCULATIONS



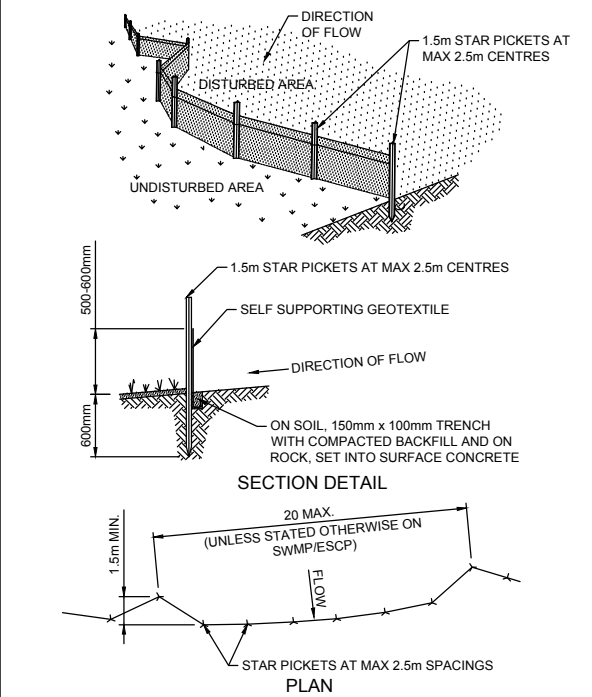
ENERGY DISSIPATER SD5-8

SCALE: N.T.S.



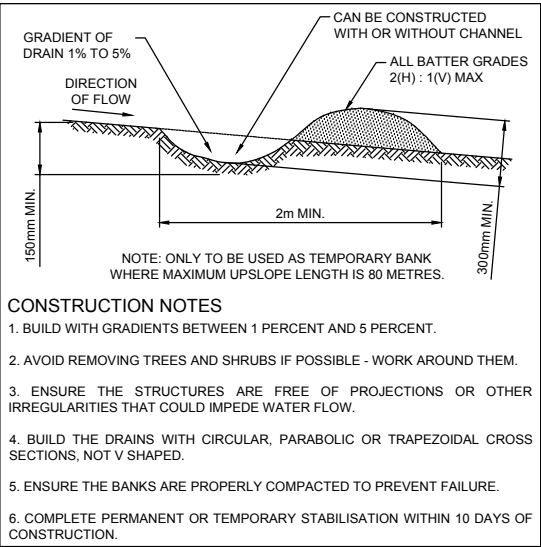
STABILISED SITE ACCESS SD6-14

SCALE: N.T.S.



SEDIMENT FENCE SD6-8

SCALE: N.T.S.



EARTH BANK (LOW FLOW) SD5-5

SCALE: N.T.S.

B	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	24/08/10			
A	ISSUED FOR PART 3A PROJECT APPLICATION	DJH	AS	KN	SA	23/08/10			
	AMENDMENT	DES	DRN	CKD	APR	DATE			

J. WYNDHAM PRINCE

CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

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AZIMUTH:

DATUM:

ORIGIN:

CLIENT:



THIS DRAWING MUST NOT BE USED FOR CONSTRUCTION UNLESS SIGNED AS PART OF AN APPROVED CONSTRUCTION CERTIFICATE.

ISSUED FOR
PART 3A STAGE 1 PROJECT APPLICATION

EDMONDSON PARK SOUTH
STAGE 1 PROJECT APPLICATION

SOIL & WATER MANAGEMENT
NOTES & SEDIMENT BASIN CALCULATIONS

PLAN No:
9015/DA29

B

FILE No: 9015DA29

SHEET SIZE: A1 ORIGINAL