

PROJECT: **RURAL DEVELOPMENT**

PLANSET: **MOUND REGRADING**

CLIENT: MUSCAT DEVELOPMENTS PTY LTD

<b>DRAWING LIST</b>		
DWG NO.	REV	DWG TITLE
<b>GENERAL</b>		
PS02-A000	A	COVER SHEET
<b>EARTHWORKS</b>		
PS02-C100	A	EARTHWORKS GRADING PLAN
PS02-C500	A	EARTHWORKS CUT-FILL PLAN
PS02-C600	A	EARTHWORKS SITE SECTIONS
<b>DRAINAGE WORKS</b>		
PS02-E100	A	DRAINAGE PLAN AND DETAILS
PS02-E600	A	HYDROLOGY CATCHMENT PLANS AND MODELLING DETAILS



LOCALITY PLAN  
NOT TO SCALE



LGA: CAMDEN COUNCIL

90 WESTBROOK ROAD, BICKLEY VALE, NSW 2570  
LOT 262 DP 612623

**GENERAL NOTES:**

1. THIS PLAN IS FOR SECTION 4.55 MODIFICATION PURPOSE AND NOT FOR CONSTRUCTION. DESIGN SHOULD BE REVIEWED AND UPDATED FOR CONSTRUCTION CERTIFICATE.
2. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH, AND THESE NOTES ARE TO BE READ IN CONJUNCTION WITH THE RELEVANT AUSTRALIAN STANDARDS, COUNCIL SPECIFICATIONS, AND ALL PROJECT CONSULTANT'S PLANS AND REPORTS.
3. EXISTING CONTOURS ARE BASED ON LIDAR AND SURVEY BY CHADWICK CHENG CONSULTING SURVEYORS.
4. SITE BOUNDARY BASED ON INFORMATION PROVIDED BY CHADWICK CHENG CONSULTING SURVEYORS.
5. LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).

## SECTION 4.55 MODIFICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPROVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	 Consulting Engineers Environment Water Geotechnical Civil		DRAWING TITLE	
A	INITIAL RELEASE	15/07/2021	GM	PB/BN	PB/BN	MS			MS	MUSCART DEVELOPMENTS PTY LTD	MUSCART DEVELOPMENTS PTY LTD			COVER SHEET	
								DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd (C) Copyright Martens & Associates Pty Ltd		PROJECT NAME/PLANSET TITLE	 Consulting Engineers Environment Water Geotechnical Civil		PROJECT NO. PLANSET NO. RELEASE NO. DRAWING NO. REVISION P1907574 PS02 R01 PS02-A000 A		
												Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au		DRAWING ID: P1907574-PS02-R01-A000	

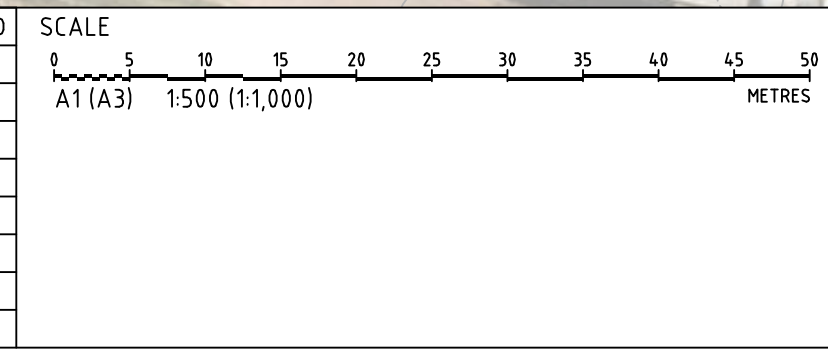




NOTE:  
- EXISTING CONTOURS ARE BASED ON LIDAR AND SURVEY BY CHADWICK CHENG CONSULTING SURVEYORS.

KEY	
EXISTING CONTOURS	— 72.0 —
PROPOSED CONTOURS	- - - 72.0 - - -
INTERFACE	— — — — —
EARTHWORKS HINGE	— — — — —
SITE BOUNDARY	— — — — —
RETAINING WALL	=====
PMF EXTENT	=====

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GRID	DATUM	PROJECT MANAGER
MGA	mAHD	MS
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CLIENT
MUSCAT DEVELOPMENTS PTY LTD
PROJECT NAME/PLANSET TITLE
RURAL DEVELOPMENT MOUND REGRADING 90 WESTBROOK ROAD BICKLEY VALE

Consulting Engineers  
Environment  
Water  
Geotechnical  
Civil

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DRAWING TITLE				
EARTHWORKS PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1907574	PS02	R01	PS02-C100	A

## SECTION 4.55 MODIFICATION

PRINTED: 15/07/2021 14:05:00  
A1 / A3 LANDSCAPE (A1L\_C\_02.0.01)





NOTE:  
- DESIGN TO USE AVAILABLE MATERIAL - NO IMPORT OF ADDITIONAL MATERIAL IS PROPOSED.

EARTHWORKS SUMMARY	
EXISTING MOUND VOLUME (m³)	20150
PROPOSED MOUND VOLUME (m³)	20150

CUT-FILL DEPTH DESIGN TO EXISTING	
LOWER THAN	-5.000 m
-5.000 to	-3.750 m
-3.750 to	-2.500 m
-2.500 to	-1.250 m
-1.250 to	-0.250 m
-0.250 to	0.250 m
0.250 to	1.250 m
1.250 to	2.500 m
2.500 to	3.750 m
3.750 to	5.000 m
5.000	AND HIGHER

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
A	INITIAL RELEASE	15/07/2021	GM	PB/BN	PB/BN	MS

SCALE
0 5 10 15 20 25 30 35 40 45 50
A1 (A3) 1:500 (1:1,000) METRES

GRID	DATUM	PROJECT MANAGER
MGA	mAHD	MS
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DRAWING TITLE				
CUT-FILL PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1907574	PS02	R01	PS02-C500	A

## SECTION 4.55 MODIFICATION

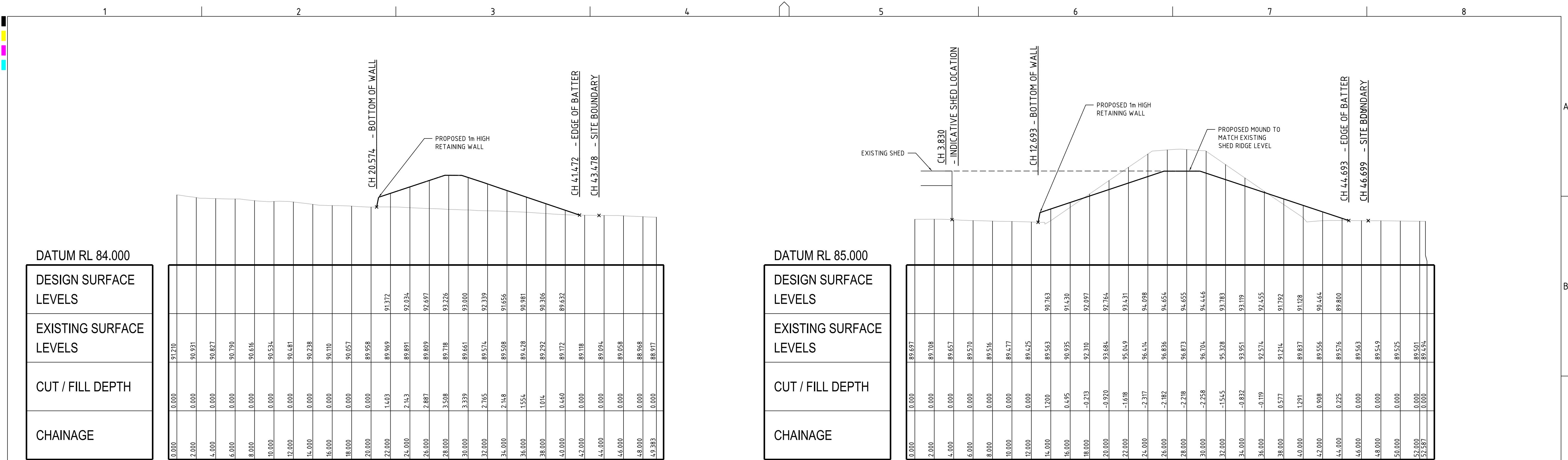
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A1 / A3 LANDSCAPE (A1L\_C\_02.0.01)

DRAWING ID: P1907574-PS02-R01-C500

0 5 10 15 20 25 30 35 40 45 50 METRES



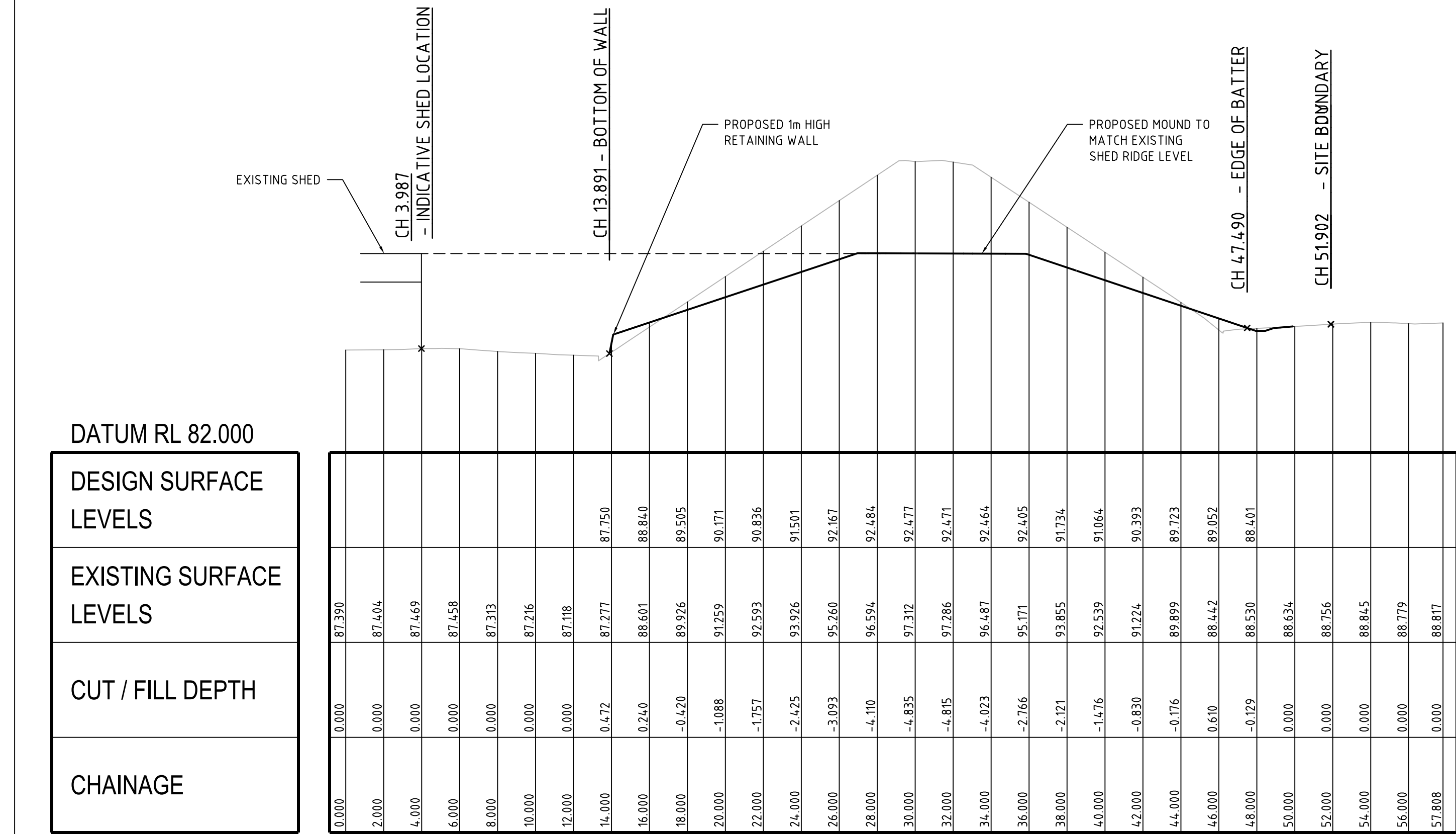


SECTION A

SCALE: HORIZONTAL - 1:200  
VERTICAL - 1:200

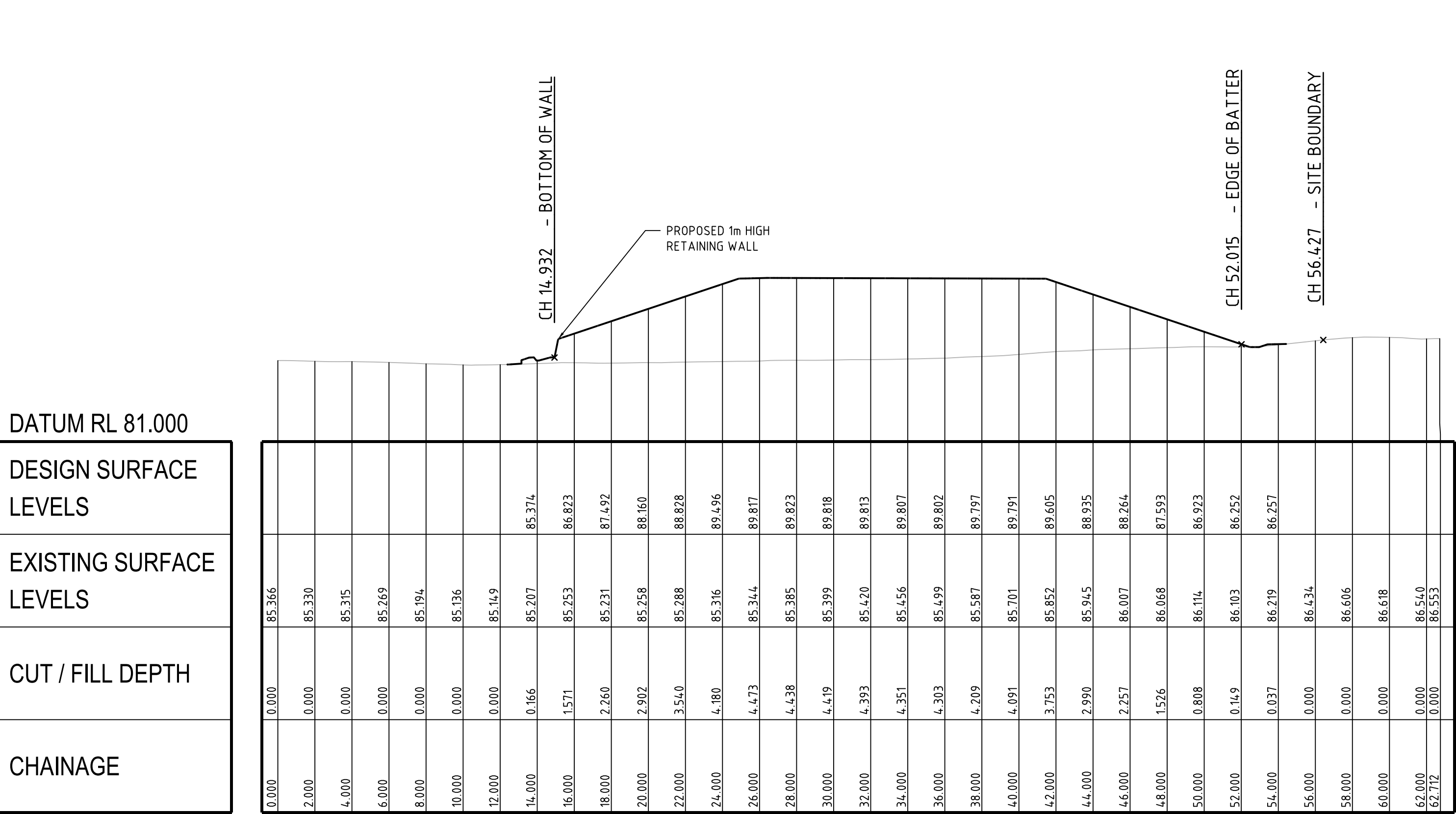
SECTION B

SCALE: HORIZONTAL - 1:200  
VERTICAL - 1:200



SECTION C



SCALE: HORIZONTAL - 1:200  
VERTICAL - 1:200



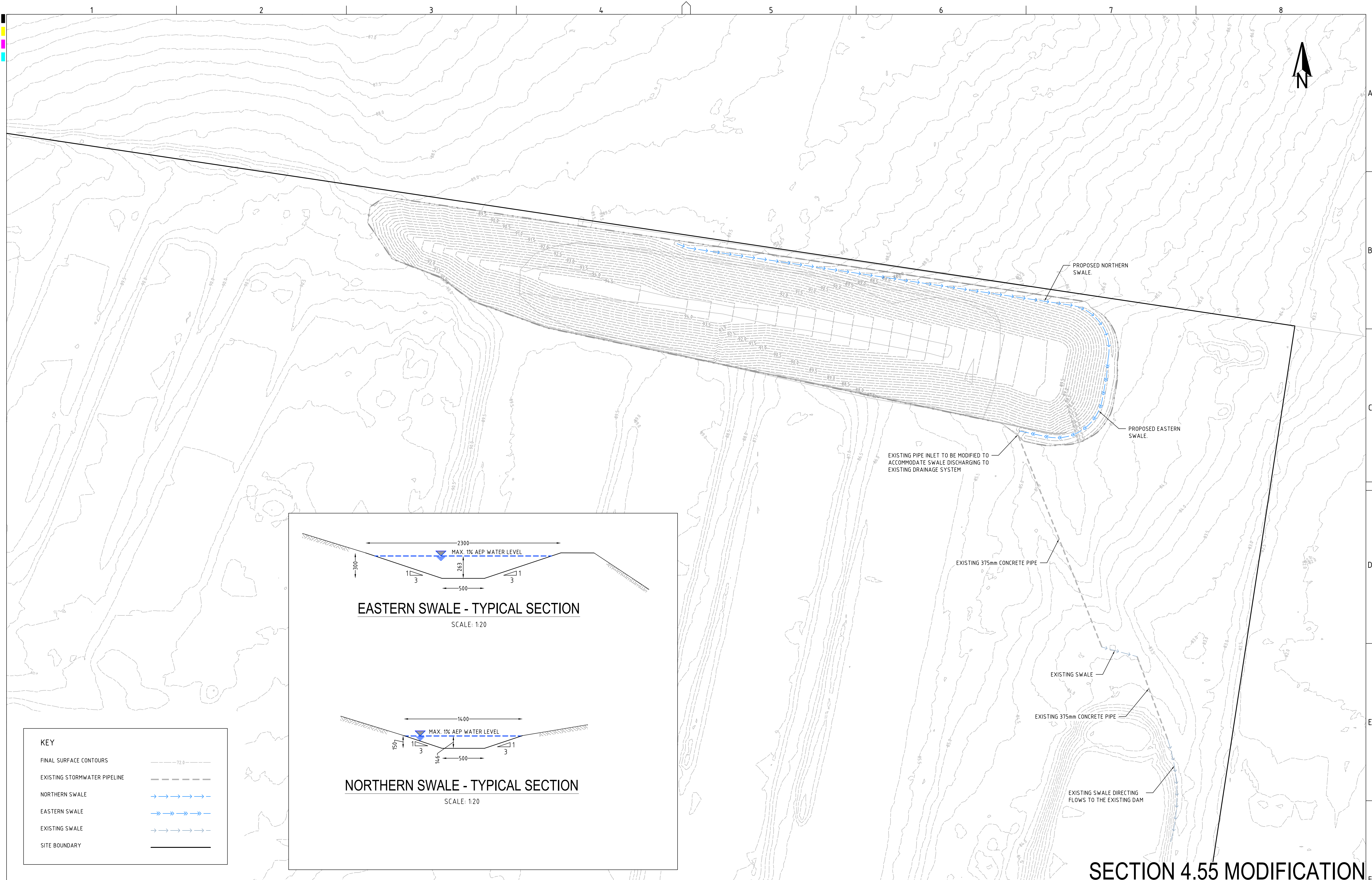
SECTION D




SCALE: HORIZONTAL - 1:200  
VERTICAL - 1:200

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REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT		Consulting Engineers Environment Water Geotechnical Civil	DRAWING TITLE					
A	INITIAL RELEASE	15/07/2021	GM	PB/BN	PB/BN	MS	0 2 4 6 8 10 12 14 16 18 20 A1 (A3) 1:200 (1:400) METRES	MGA	mAHD	MS	MUSCAT DEVELOPMENTS PTY LTD			EARTHWORKS SECTIONS					
											PROJECT NAME/PLANSET TITLE				PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
											RURAL DEVELOPMENT MOUND REGRADING 90 WESTBROOK ROAD BICKLEY VALE				P1907574	PS02	R01	PS02-C600	A
												Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au			DRAWING ID: P1907574-PS02-R01-C600				



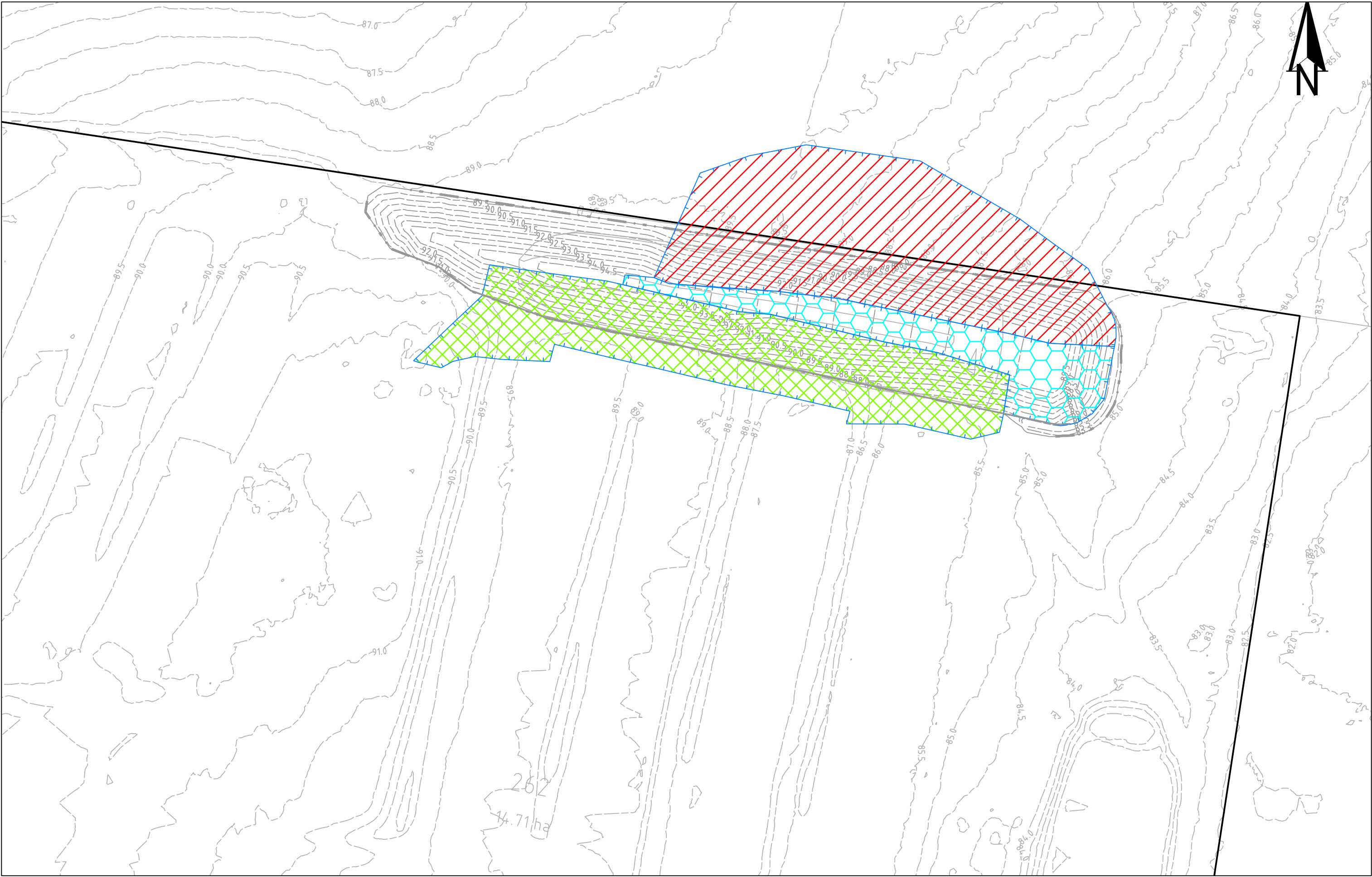


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A	INITIAL RELEASE	15/07/2021	GM	PB/BN	PB/BN	MS	<div><p>A1 (A3) 1:500 (1:1,000) METRES</p><p>A1 (A3) 1:20 (1:40) METRES</p></div>	MGA	mAHD	MS	MUSCAT DEVELOPMENTS PTY LTD		DRAINAGE PLAN AND DETAILS			
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A1 / A3 LANDSCAPE [A1L_C_v02.0.0]												DRAWING ID: P1907574-PS02-R01-E100				



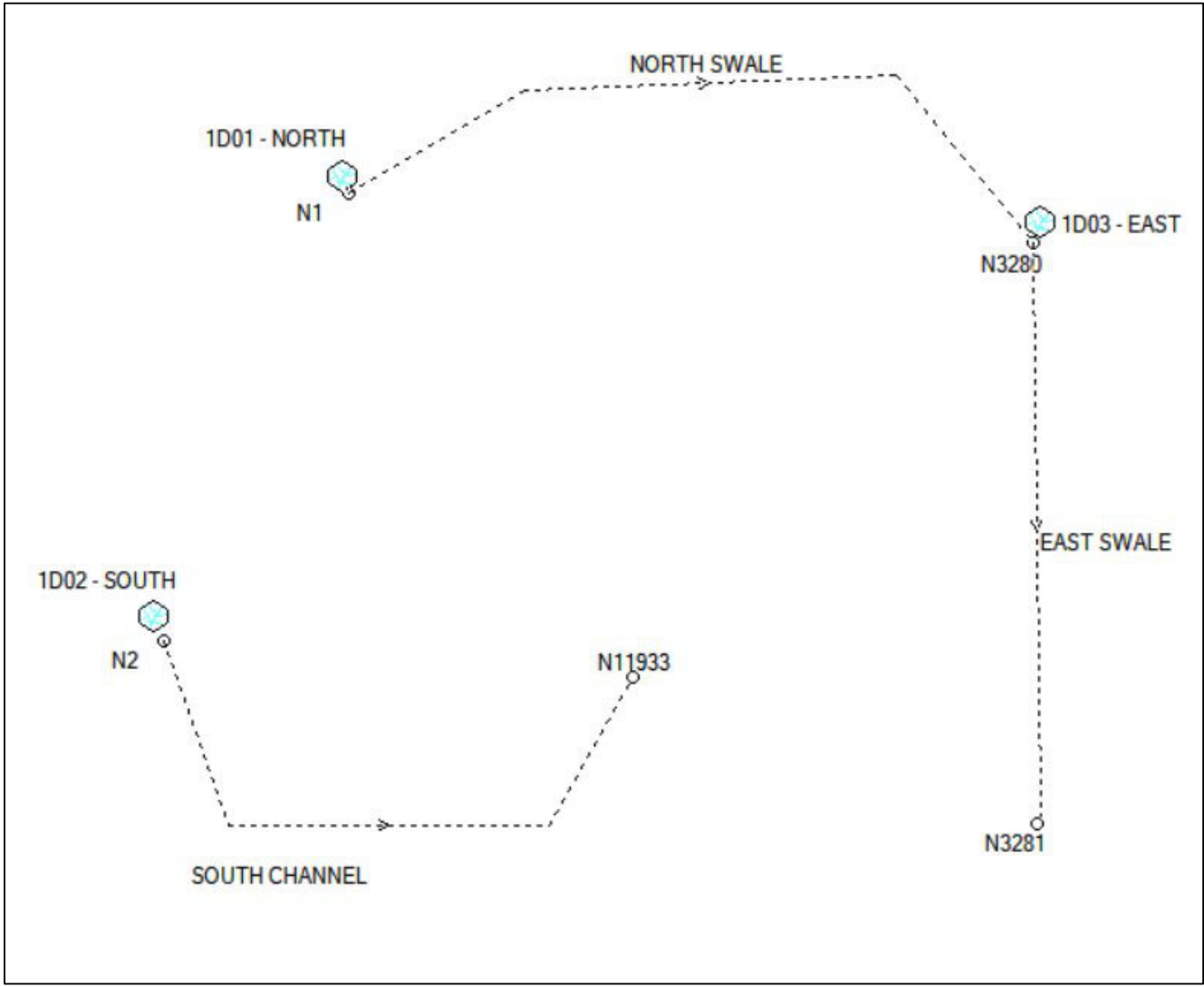


POST DEVELOPMENT CATCHMENT DETAILS (P1907574DRN01V01)			
KEY	DRAINS NODE	AREA (ha)	% PAVED
	1D01 - NORTH	0.47	0%
	1D02 - SOUTH	0.37	0%
	1D03 - EAST	0.15	0%
	TOTAL AREA	0.99	= 100% OF TOTAL AREA
	TOTAL IMPERVIOUS AREA	0	= 0% OF TOTAL AREA
	TOTAL PERVIOUS AREA	0.99	= 100% OF TOTAL AREA

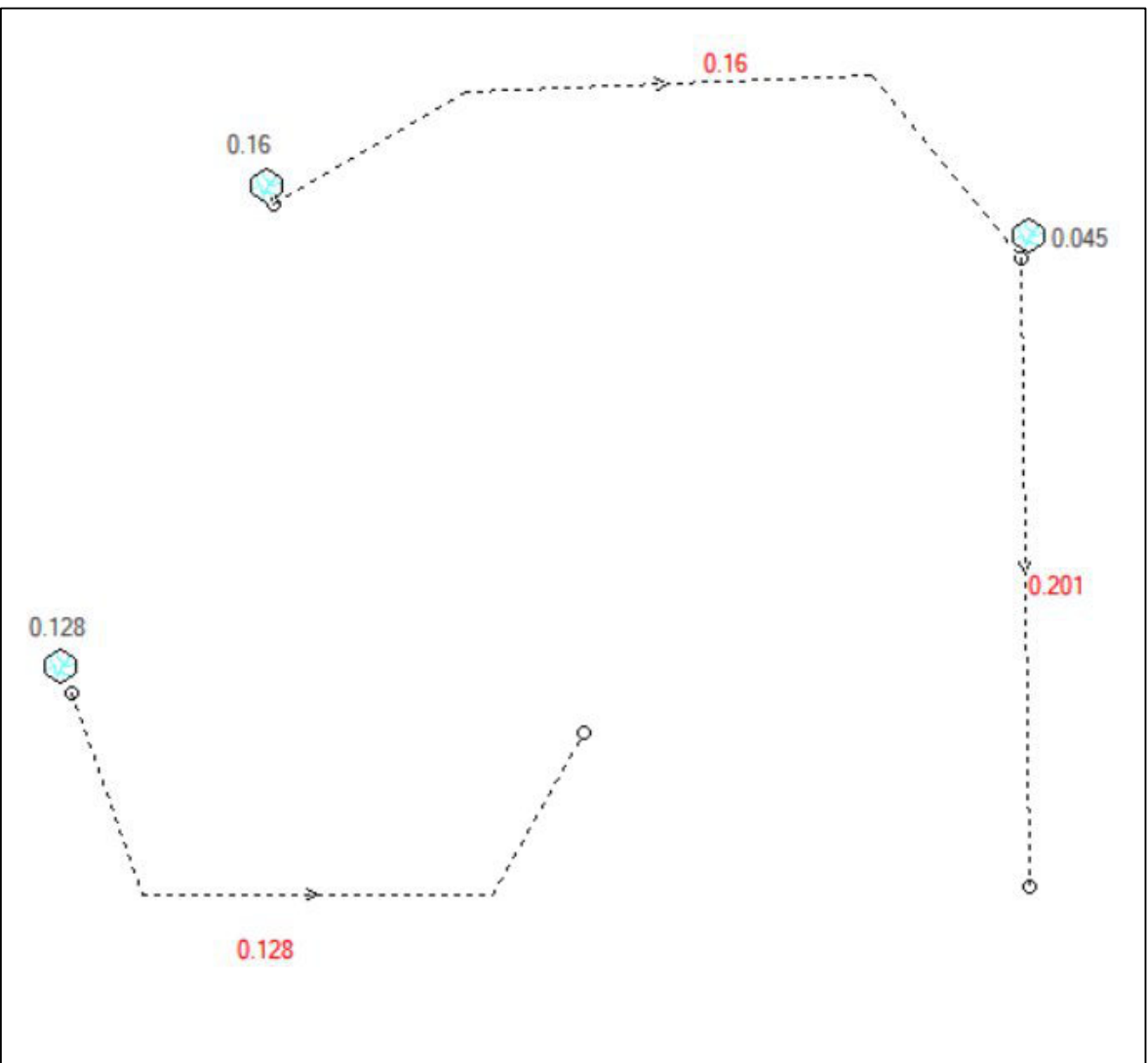


POST DEVELOPMENT CATCHMENT PLAN

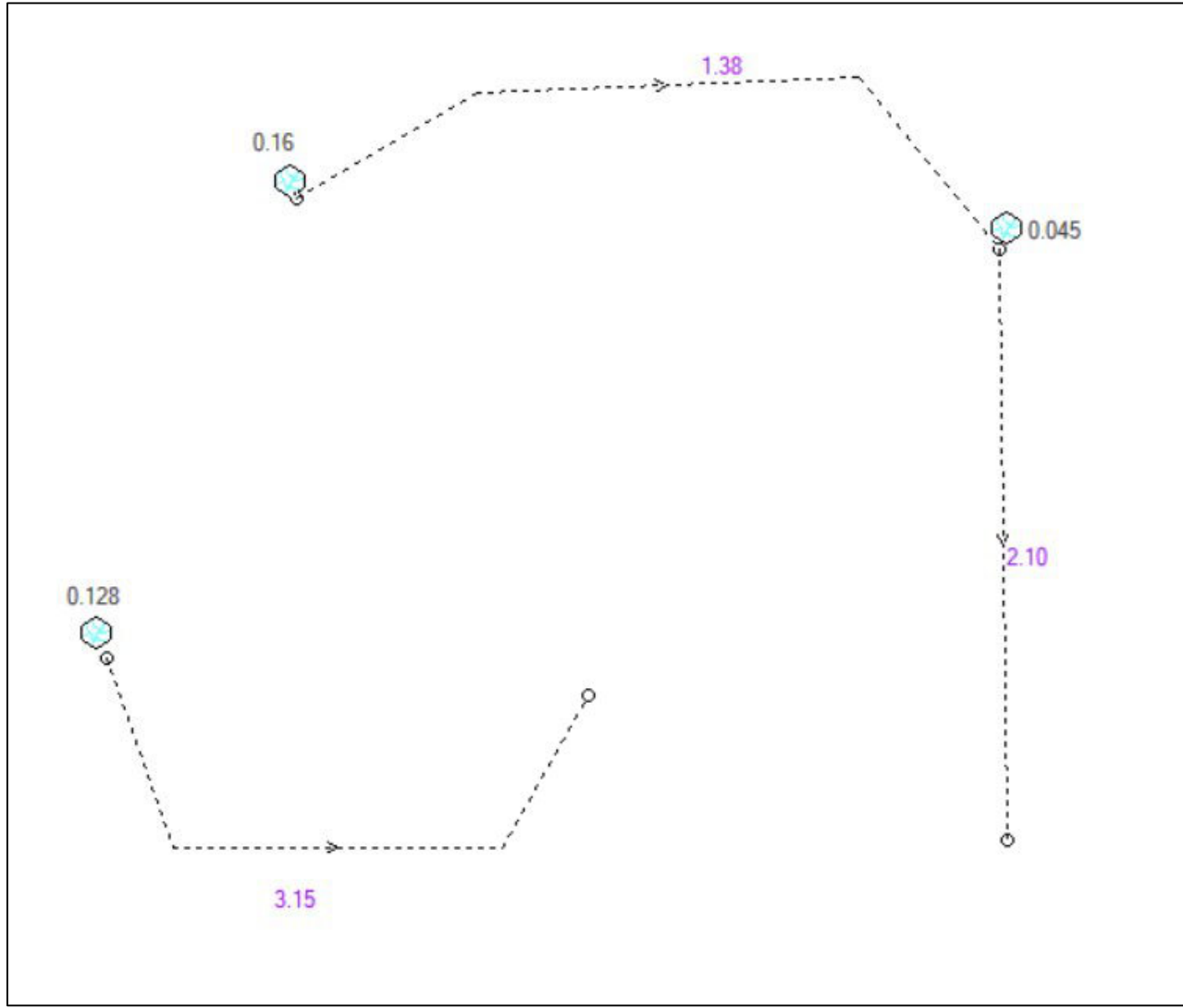
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DRAIN'S MODEL (P1907574DRN01V01) LAYOUT

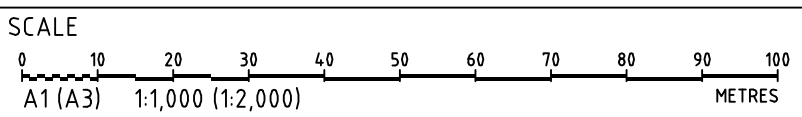


DRAIN'S MODEL (P1907574DRN01V01) RESULT  
- PEAK FLOW RATE



DRAIN'S MODEL (P1907574DRN01V01) RESULT  
- TOP FLOW WIDTH

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SECTION 4.55 MODIFICATION

DRAWING TITLE				
HYDROLOGY CATCHMENT PLANS AND MODELLING DETAILS				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1907574	PS02	R01	PS02-E600	A

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