

Prepared by:

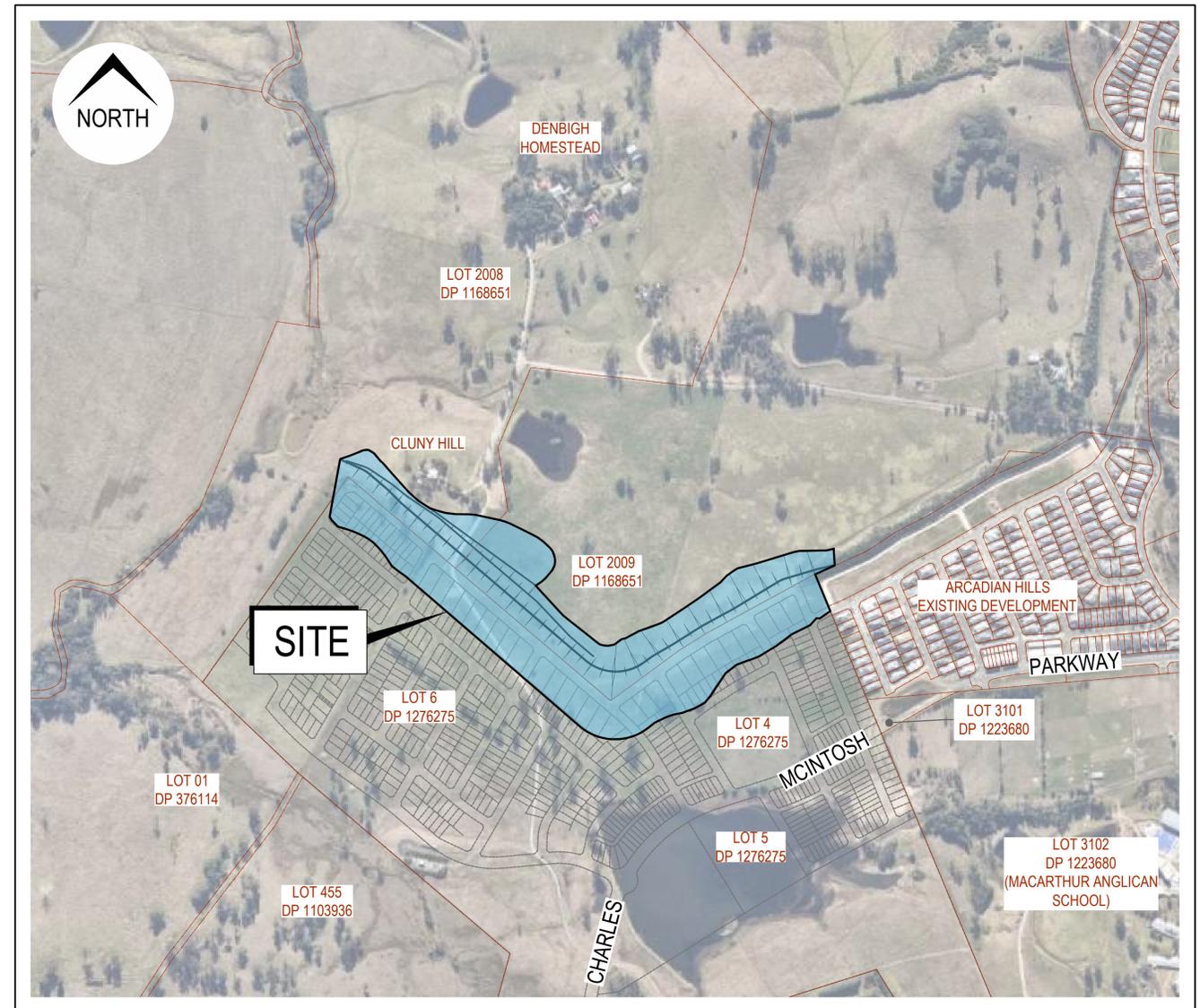
DA: _____



Prepared for:



LGA:



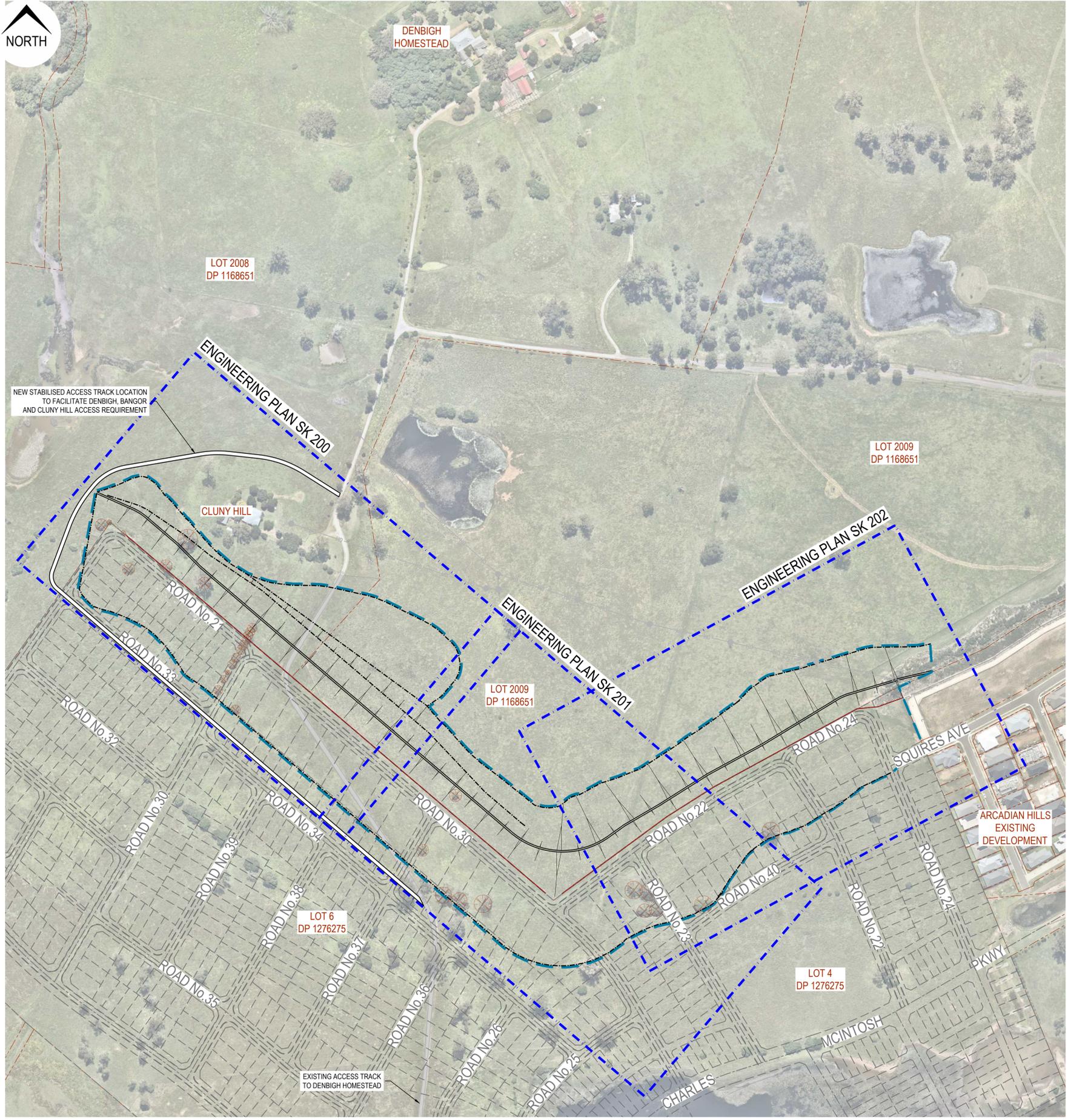
SITE / LOCATION (Image courtesy of Nearmap 22.06.2022)

LOT 2008 & LOT 2009, DP 1168651
& LOT 6, DP 1276275

COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS

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ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION



GENERAL NOTES

- G1. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CAMDEN COUNCIL'S WORKS SPECIFICATION CIVIL (CURRENT EDITION) AND/OR AS DIRECTED BY THEIR REPRESENTATIVE.
- G2. THE CONTRACTOR IS TO IDENTIFY, LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS AND WHERE NECESSARY MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST WHERE NECESSARY.
- G3. COUNCIL'S TREE PRESERVATION ORDER MUST BE OBSERVED AND NO TREE SHALL BE FELLED, LOPPED OR REMOVED WITHOUT THE PRIOR APPROVAL OF COUNCIL.
- G4. DIMENSIONS SHALL NOT BE SCALED FROM THE PLANS. CLARIFICATION OF DIMENSIONS SHALL BE SOUGHT FROM THE SUPERINTENDENT OR REFERRED TO THE DESIGNER.
- G5. ALL NEW WORK IS TO MAKE A SMOOTH JUNCTION WITH THE EXISTING CONDITIONS.

SURVEY SET OUT INFORMATION NOTES

- S1. ALL SITE SET OUT AND CONTROL POINTS ARE TO BE CERTIFIED BY A REGISTERED SURVEYOR.
- S2. THE INFORMATION DETAILED ON THE CERTIFIED CONSTRUCTION CERTIFICATE PLANS TAKES PRECEDENCE OVER ALL ELECTRONIC INFORMATION PROVIDED. THE ORDER OF PRIORITY FOR USE OF ALL INFORMATION PROVIDED IS AS FOLLOWS:
 - a. CERTIFIED CONSTRUCTION CERTIFICATE DRAWINGS
 - b. 2D DRAFTING BASE (ELECTRONIC FILE)
 - c. 3D DTM (ELECTRONIC FILE)
- S3. ANY DISCREPANCY BETWEEN ANY OF THE INFORMATION CONTAINED WITHIN THESE FILES IS TO BE BROUGHT TO THE ATTENTION OF THE SUPERINTENDENT PRIOR TO CONSTRUCTION WHO WILL SEEK CLARIFICATION AND ISSUE INSTRUCTIONS ON THE APPROPRIATE COURSE OF ACTION.

DETAIL SURVEY PROVIDED BY GEOLYSE (DATED 20/12/2018)
 DATUM: A.H.D.
 LEVELS ORIGIN: SSM18303, R.L. 75.154

BOUNDARY SURVEY PROVIDED BY KFW (DATED 06/06/2022)
 COORDINATES: M.G.A 2020
 COORDINATES ORIGIN: SSM23117 - SSM18303

LEGEND

	EXISTING	PROPOSED	FUTURE
CONTOUR LINE & LABEL			
LOT NUMBER & BOUNDARY			
APPROXIMATE LIMIT OF WORKS OR STAGE			
ROAD, NUMBER, CONTROL LINE, CHAINAGE & CHAINAGE MARK			
COUNCIL STANDARD KERB & GUTTER			
EXISTING CADASTRAL BOUNDARY			
EXISTING ACCESS DRAIVEWAY PAVEMENT			
BATTER			
RETAINING WALL			
DIVERSION SWALE			
EXISTING TREE TO BE REMOVED			



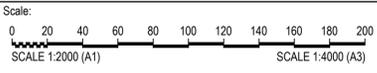
UTILITIES SHOWN ARE DIAGRAMMATIC ONLY AND MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES/STANDARDS.

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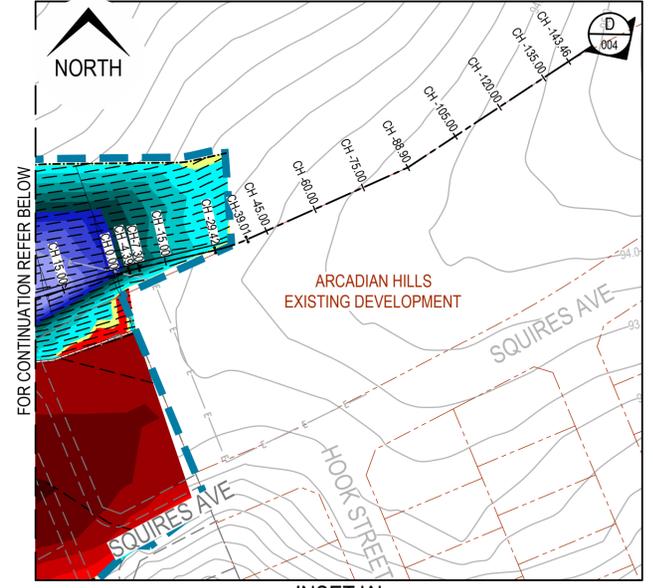
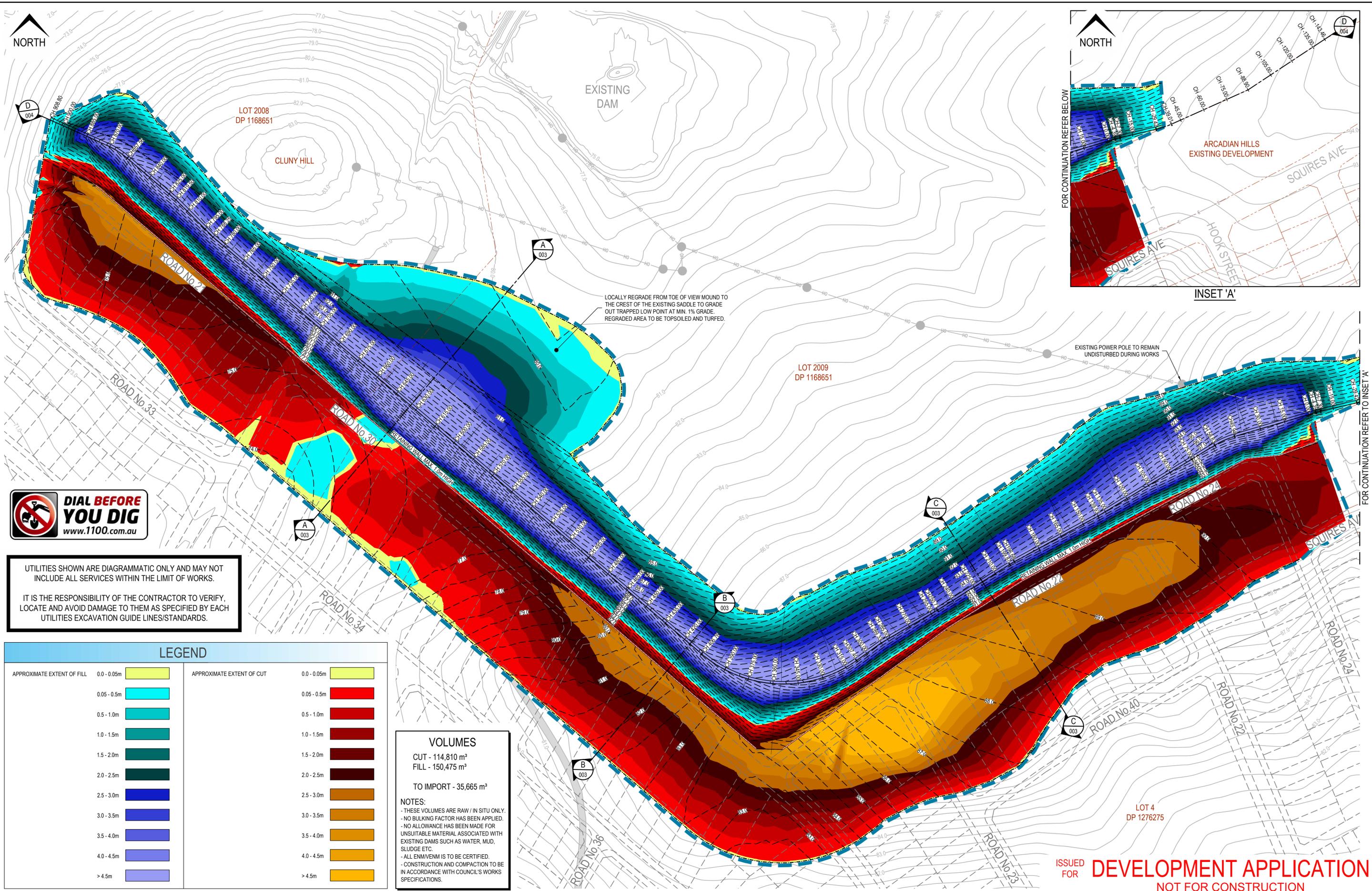
Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	HS	CS	MP	CS	12/09/2022	ISSUED FOR DEVELOPMENT APPLICATION
A	AP	CS	KWDH	CS	18/05/2022	ISSUED WITH DCP/ILP MODIFICATION

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Project: COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	001	B



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LEGEND

APPROXIMATE EXTENT OF FILL		APPROXIMATE EXTENT OF CUT	
0.0 - 0.05m		0.0 - 0.05m	
0.05 - 0.5m		0.05 - 0.5m	
0.5 - 1.0m		0.5 - 1.0m	
1.0 - 1.5m		1.0 - 1.5m	
1.5 - 2.0m		1.5 - 2.0m	
2.0 - 2.5m		2.0 - 2.5m	
2.5 - 3.0m		2.5 - 3.0m	
3.0 - 3.5m		3.0 - 3.5m	
3.5 - 4.0m		3.5 - 4.0m	
4.0 - 4.5m		4.0 - 4.5m	
> 4.5m		> 4.5m	

VOLUMES

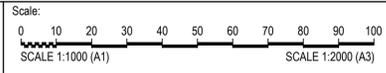
CUT - 114,810 m³
 FILL - 150,475 m³
 TO IMPORT - 35,665 m³

NOTES:

- THESE VOLUMES ARE RAW / IN SITU ONLY.
- NO BULKING FACTOR HAS BEEN APPLIED.
- NO ALLOWANCE HAS BEEN MADE FOR UNSUITABLE MATERIAL ASSOCIATED WITH EXISTING DAMS SUCH AS WATER, MUD, SLUDGE ETC.
- ALL ENMNM IS TO BE CERTIFIED.
- CONSTRUCTION AND COMPACTION TO BE IN ACCORDANCE WITH COUNCIL'S WORKS SPECIFICATIONS.

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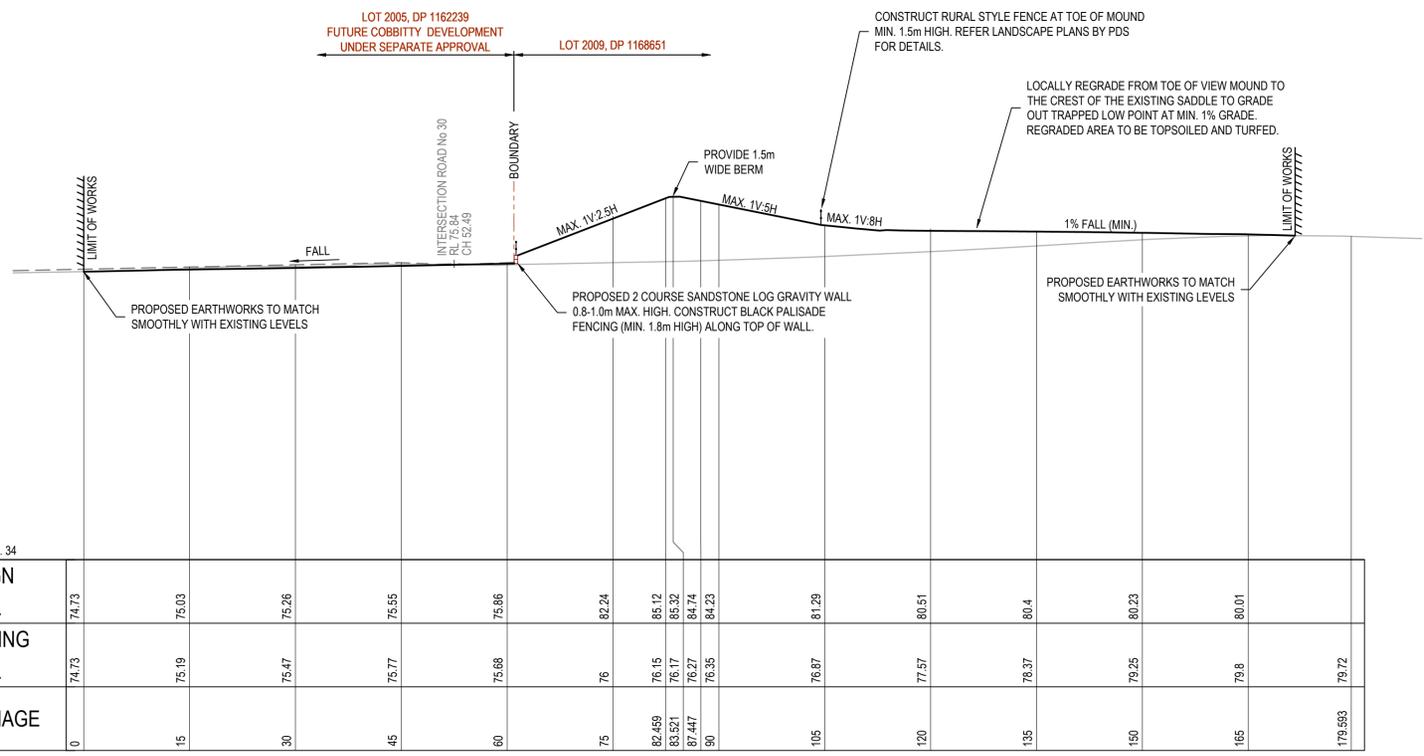
Project: COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	002	B

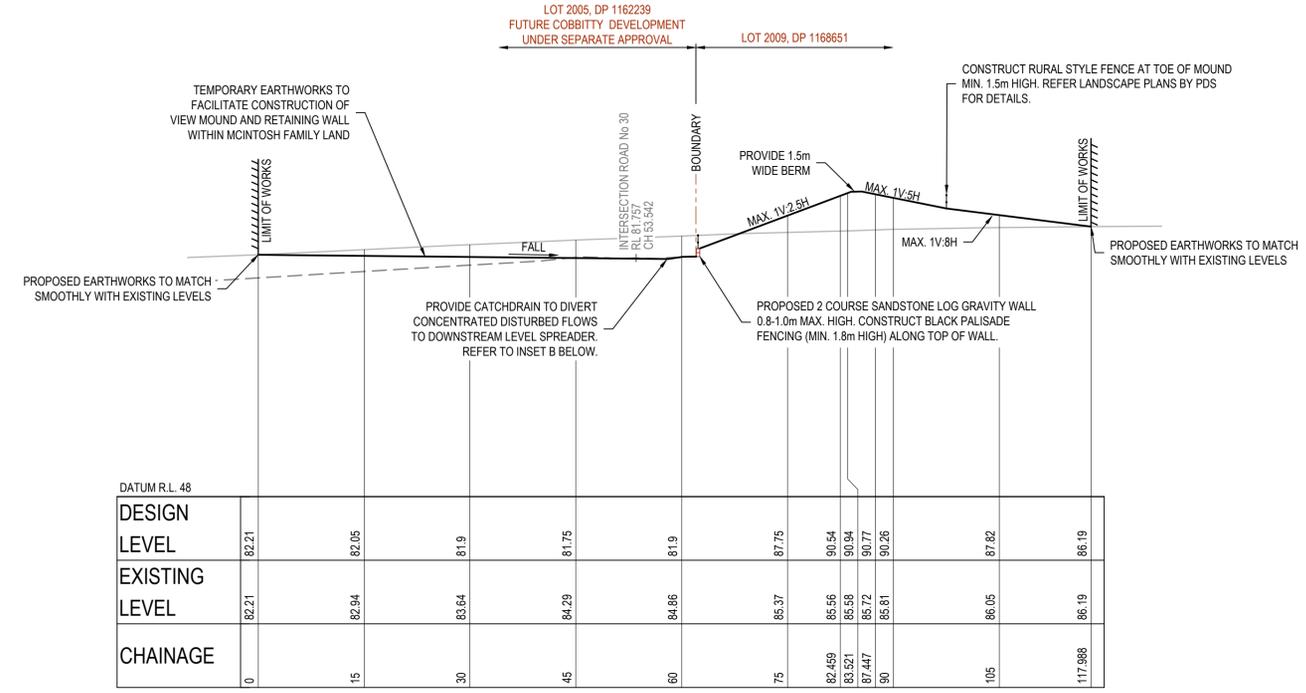
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NOTE:
 - FOR FENCE AND PLANTING DETAILS REFER TO LANDSCAPE PLANS BY PATERSON DESIGN STUDIO (PDS). REF.: 'COBBITTY VISUAL MOUND LANDSCAPE'.
 ALL FLOW VOLUMES AND WIDTHS HAVE BEEN CALCULATED USING THE RATIONAL METHOD.

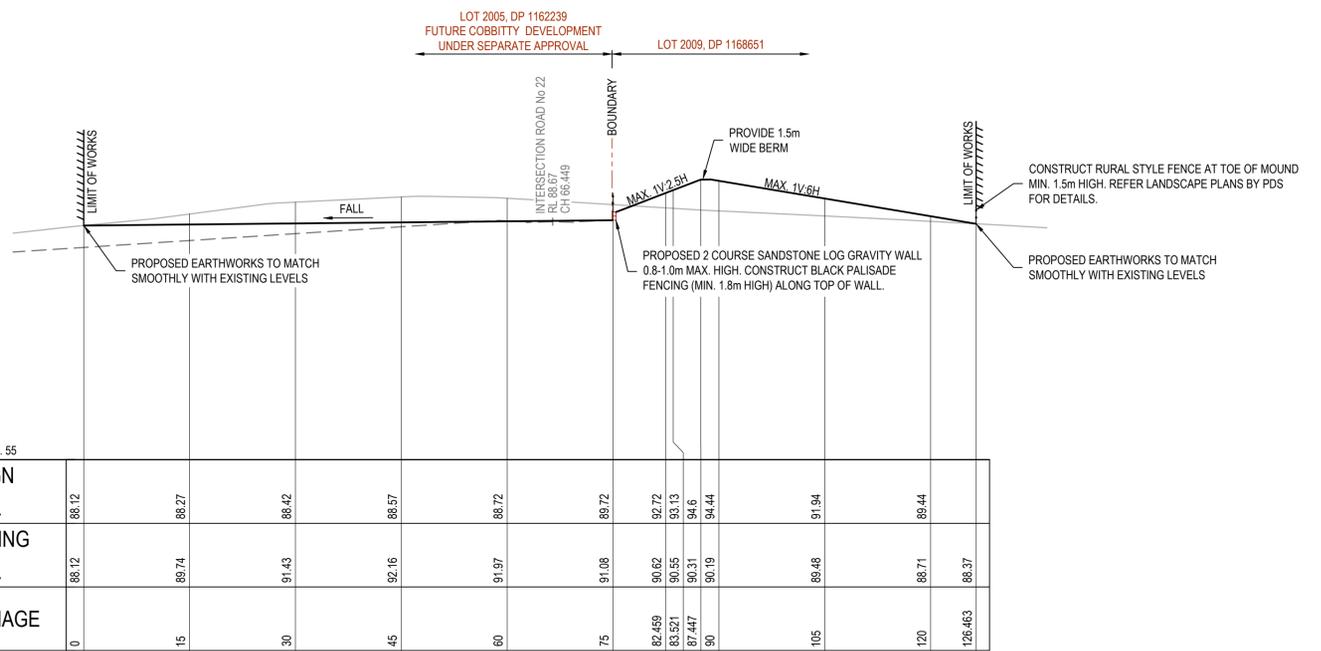
LEGEND	
DESIGN SURFACE LEVEL	—————
EXISTING SURFACE LEVEL	—————
FUTURE SURFACE LEVEL	—————
EXISTING LOT BOUNDARY	- - - - -
PROPOSED RETAINING WALL	▬▬▬▬▬▬▬



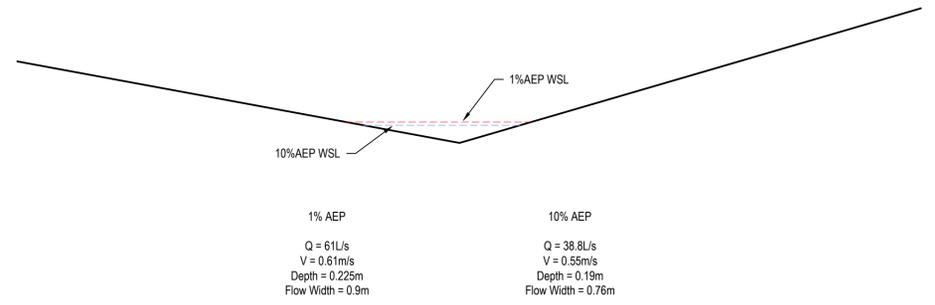
SITE SECTION A
 SCALE: 1:500



SITE SECTION B
 SCALE: 1:500



SITE SECTION C
 SCALE: 1:500



INSET B
 NOT TO SCALE

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Scale:
 0 5 10 15 20 25 30 35 40 45 50
 SCALE 1:500 (A1) SCALE 1:1000 (A3)

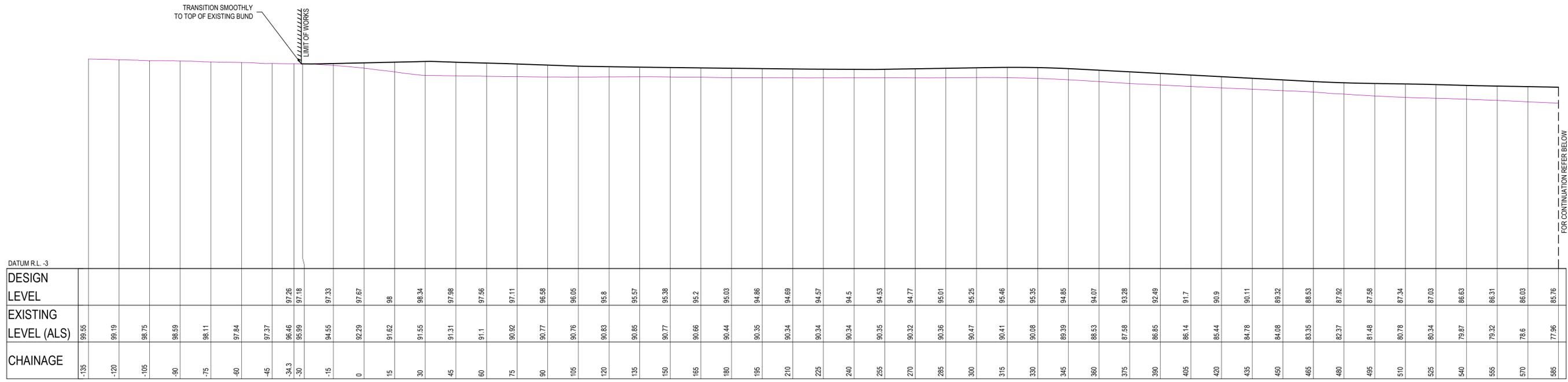


Project: **COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS**

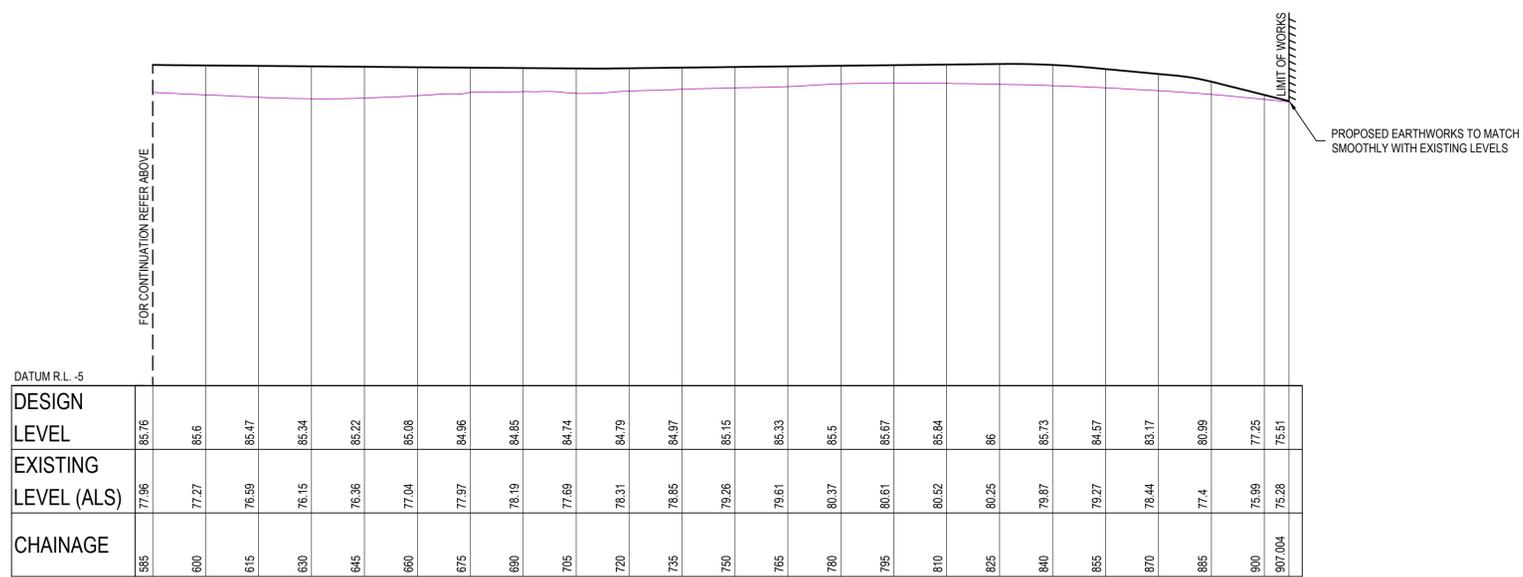
Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	003	B

NOTE:
 - FOR FENCE AND PLANTING DETAILS REFER TO LANDSCAPE PLANS BY PATERSON DESIGN STUDIO (PDS).
 REF.: 'COBBITTY VISUAL MOUND LANDSCAPE'.

LEGEND	
DESIGN SURFACE LEVEL	—
EXISTING SURFACE LEVEL EXTRACTED FROM AERIAL LASER SCANNING (ALS)	—



SITE SECTION D
 SCALE: 1:1000

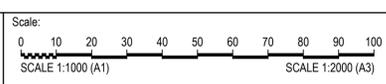


SITE SECTION D
 SCALE: 1:1000

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B	HS	CS	MP	CS	12/09/2022	ISSUED FOR DEVELOPMENT APPLICATION
A	AP	CS	KWDH	CS	18/05/2022	ISSUED WITH DCP/ILP MODIFICATION

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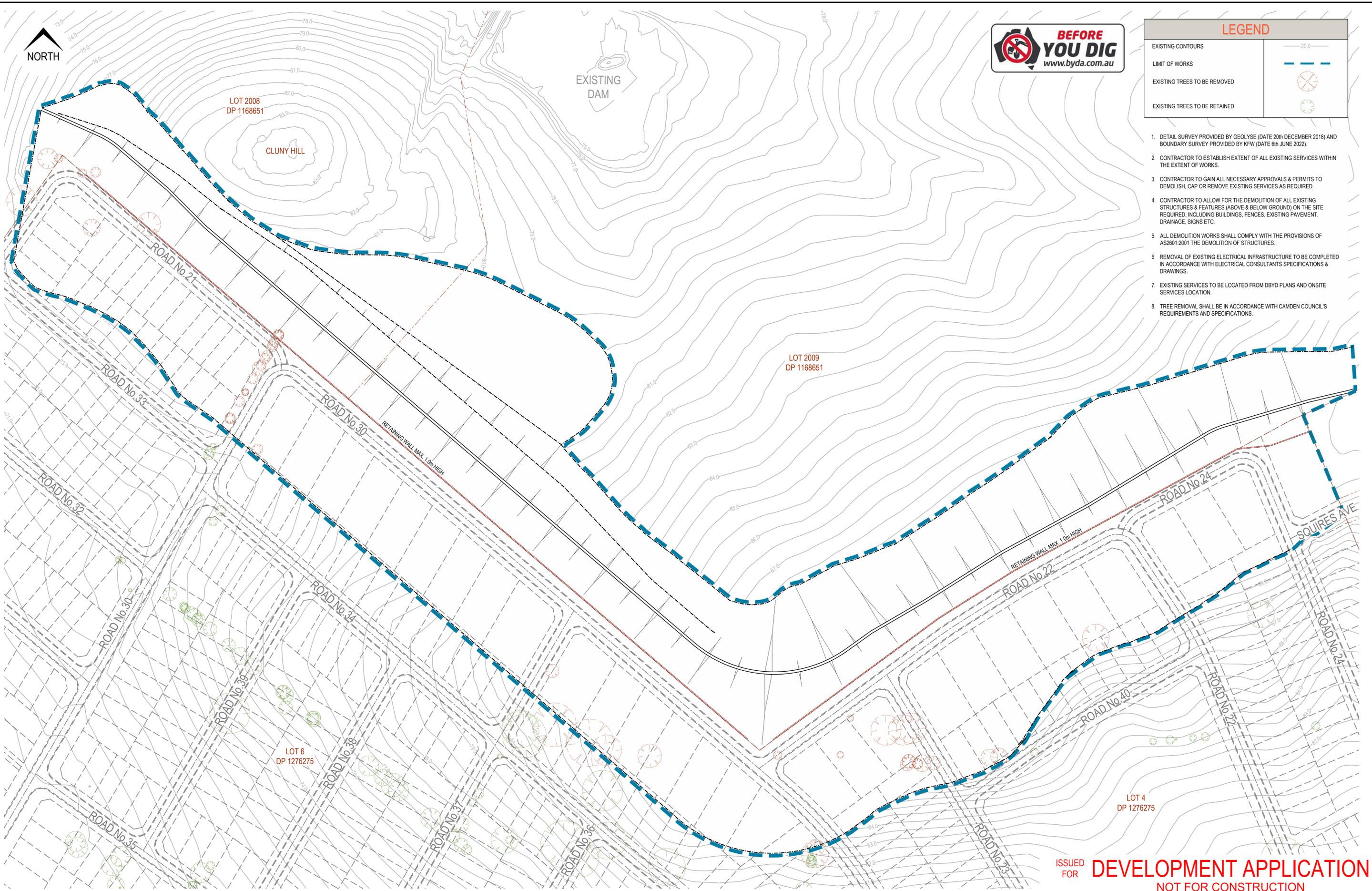
Project: **COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS**

Title: SITE REGRADING SECTIONS SHEET 02 OF 02				
Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	004	B



LEGEND	
EXISTING CONTOURS	
LIMIT OF WORKS	
EXISTING TREES TO BE REMOVED	
EXISTING TREES TO BE RETAINED	

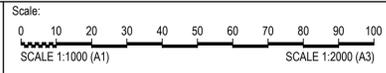
1. DETAIL SURVEY PROVIDED BY GEOLYSE (DATE 20th DECEMBER 2018) AND BOUNDARY SURVEY PROVIDED BY KFW (DATE 6th JUNE 2022).
2. CONTRACTOR TO ESTABLISH EXTENT OF ALL EXISTING SERVICES WITHIN THE EXTENT OF WORKS.
3. CONTRACTOR TO GAIN ALL NECESSARY APPROVALS & PERMITS TO DEMOLISH, CAP OR REMOVE EXISTING SERVICES AS REQUIRED.
4. CONTRACTOR TO ALLOW FOR THE DEMOLITION OF ALL EXISTING STRUCTURES & FEATURES (ABOVE & BELOW GROUND) ON THE SITE REQUIRED, INCLUDING BUILDINGS, FENCES, EXISTING PAVEMENT, DRAINAGE, SIGNS ETC.
5. ALL DEMOLITION WORKS SHALL COMPLY WITH THE PROVISIONS OF AS2601:2001 THE DEMOLITION OF STRUCTURES.
6. REMOVAL OF EXISTING ELECTRICAL INFRASTRUCTURE TO BE COMPLETED IN ACCORDANCE WITH ELECTRICAL CONSULTANTS SPECIFICATIONS & DRAWINGS.
7. EXISTING SERVICES TO BE LOCATED FROM DBYD PLANS AND ONSITE SERVICES LOCATION.
8. TREE REMOVAL SHALL BE IN ACCORDANCE WITH CAMDEN COUNCIL'S REQUIREMENTS AND SPECIFICATIONS.



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Rev	Drawn	Design	Check	Appd.	Date	Revision Description
C	HS	CS	MP	CS	13/03/2023	ISSUED FOR DEVELOPMENT APPLICATION

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By: **Orion Consulting**
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Project: **JAS-ANZ**
SUSTAINABLE
www.jas-anz.com.au

Project: **COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS**

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	005	C

Title: **DEMOLITION AND TREE REMOVAL PLAN**



NOTE: CURTLAGE BUND BATTERS EXCLUDED FROM LOCAL REGRADING AREA SOIL MANAGEMENT CATCHMENTS. FULL LENGTH SEDIMENT TO BE INSTALLED AT TOE OF BATTER (BOTH SIDES) FOR LOCALISED SEDIMENT CONTROL FROM BUND DURING EARTHWORKS.

1. Erosion Hazard and Sediment Basins

Site Name: Mirvac Residential - Cobbitty DA01
 Site Location: Lot 2008 & Lot 2009 in DP 1168651 & Lot 6 in DP 1276275, No. 531 Cobbitty Road, Cobbitty
 Precinct/Stage: DA
 Other Details:

Site area	Sub-catchment or Name of Structure				Notes
	A	B	C	D	
Total catchment area (ha)	0.64	2.73	3	0.97	
Disturbed catchment area (ha)	0.64	2.73	3	0.97	

Soil analysis (enter sediment type if known, or laboratory particle size data)

Sediment Type (C, F or D) if known:	C	C	C	C	From Appendix C (if known)
% sand (fraction 0.02 to 2.00 mm)					Enter the percentage of each soil fraction. E.g. enter 10 for 10%
% silt (fraction 0.002 to 0.02 mm)					
% clay (fraction finer than 0.002 mm)					E.g. enter 10 for dispersion of 10%
Dispersion percentage					See Section 6.3.3(e). Auto-calculated
% of whole soil dispersible					Automatic calculation from above
Soil Texture Group	C	C	C	C	

Rainfall data

Design rainfall depth (no of days)	2	2	2	2	See Section 6.3.4 and, particularly, Table 6.3 on pages 6-24 and 6-25.
Design rainfall depth (percentile)	80	80	80	80	
x-day, y-percentile rainfall event (mm)	16.8	16.8	16.8	16.8	
Rainfall R-factor (if known)					Only need to enter one or the other here
IFD: 2-year, 6-hour storm (if known)	7.38	7.38	7.38	7.38	

RUSLE Factors

Rainfall erosivity (R-factor)	1360	1360	1360	1360	Auto-filled from above
Soil erodibility (K-factor)	0.034	0.034	0.034	0.034	
Slope length (m)	75	200	80	140	
Slope gradient (%)	1	1	1	2	RUSLE LS factor calculated for a high R/Interrill ratio.
Length/gradient (LS-factor)	0.19	0.24	0.19	0.51	
Erosion control practice (P-factor)	1.3	1.3	1.3	1.3	
Ground cover (C-factor)	1	1	1	1	

Sediment Basin Design Criteria (for Type D/F basins only. Leave blank for Type C basins)

Storage (soil) zone design (no of months)	2	2	2	2	2	Minimum is generally 2 months
Cv (Volumetric runoff coefficient)	0.5	0.5	0.5	0.5		See Table F2, page F-4 in Appendix F

Calculations and Type D/F Sediment Basin Volumes

Soil loss (t/ha/yr)	11	15	12	30	
Soil Loss Class	1	1	1	1	See Table 4.2, page 4-13
Soil loss (m ³ /ha/yr)	9	11	9	23	Conversion to cubic metres
Sediment basin storage (soil) volume (m ³)	1	5	4	4	See Sections 6.3.4(i) for calculations
Sediment basin settling (water) volume (m ³)	54	229	252	81	See Sections 6.3.4(i) for calculations
Sediment basin total volume (m ³)	55	234	256	85	

LEGEND

CONTOURS: 20.0, -20.0

STABILISED SITE ACCESS:

POSSIBLE STOCKPILE LOCATION:

TEMPORARY SITE FENCE:

SEDIMENT FENCE:

DIVERSION SWALE:

STRAW BALE FILTER:

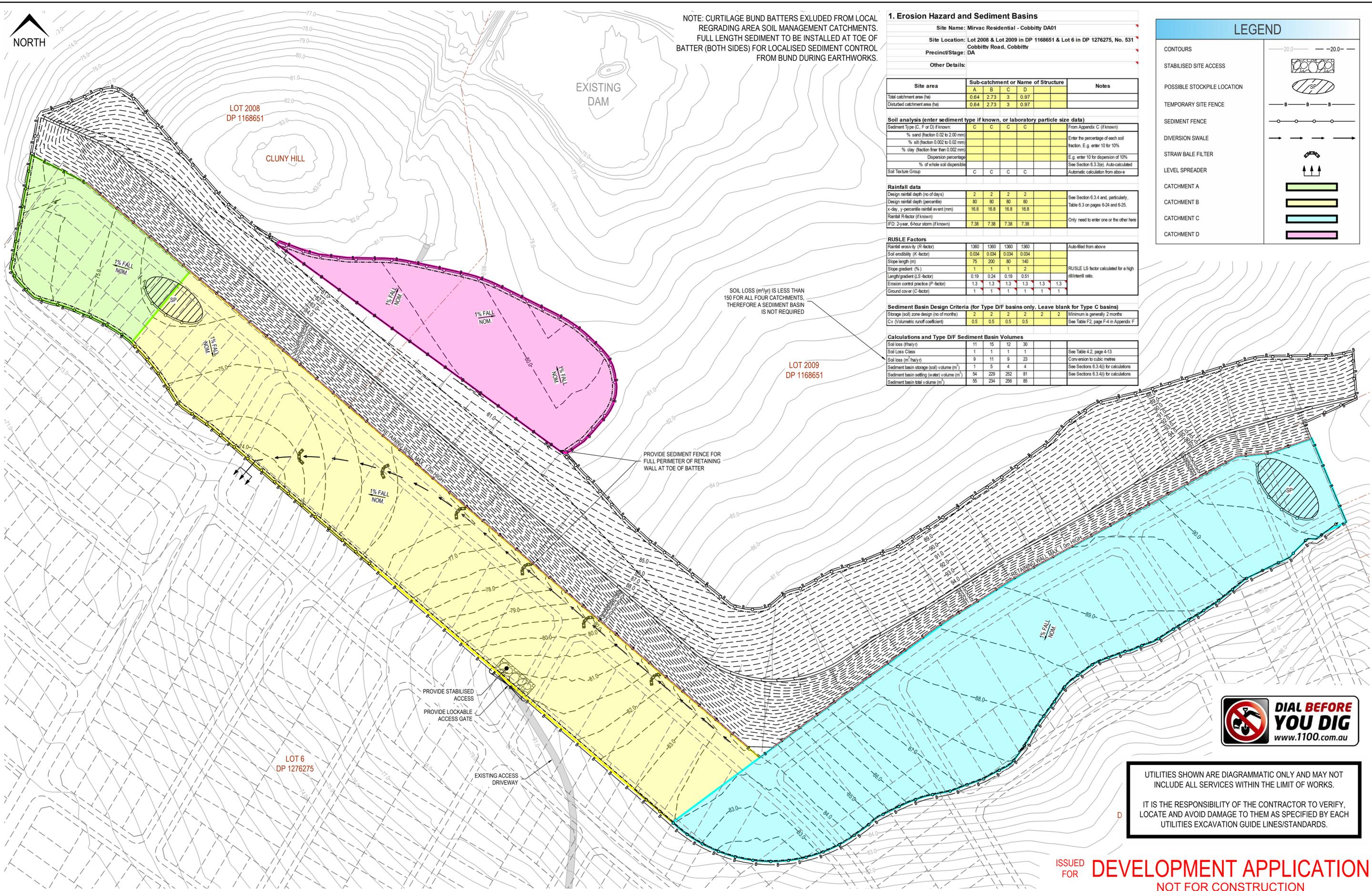
LEVEL SPREADER:

CATCHMENT A:

CATCHMENT B:

CATCHMENT C:

CATCHMENT D:



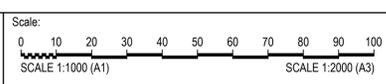
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B	HS	CS	MP	CS	12/09/2022	ISSUED FOR DEVELOPMENT APPLICATION
A	AP	CS	KW/DH	CS	18/05/2022	ISSUED WITH DCP/ILP MODIFICATION

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Project: COBBITTY VIEW MOUND (DENBIGH CURTLAGE) EARTHWORKS

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	100	B



LOT 2009
DP 1168651

LEGEND

LIMIT OF WORKS BOUNDARY



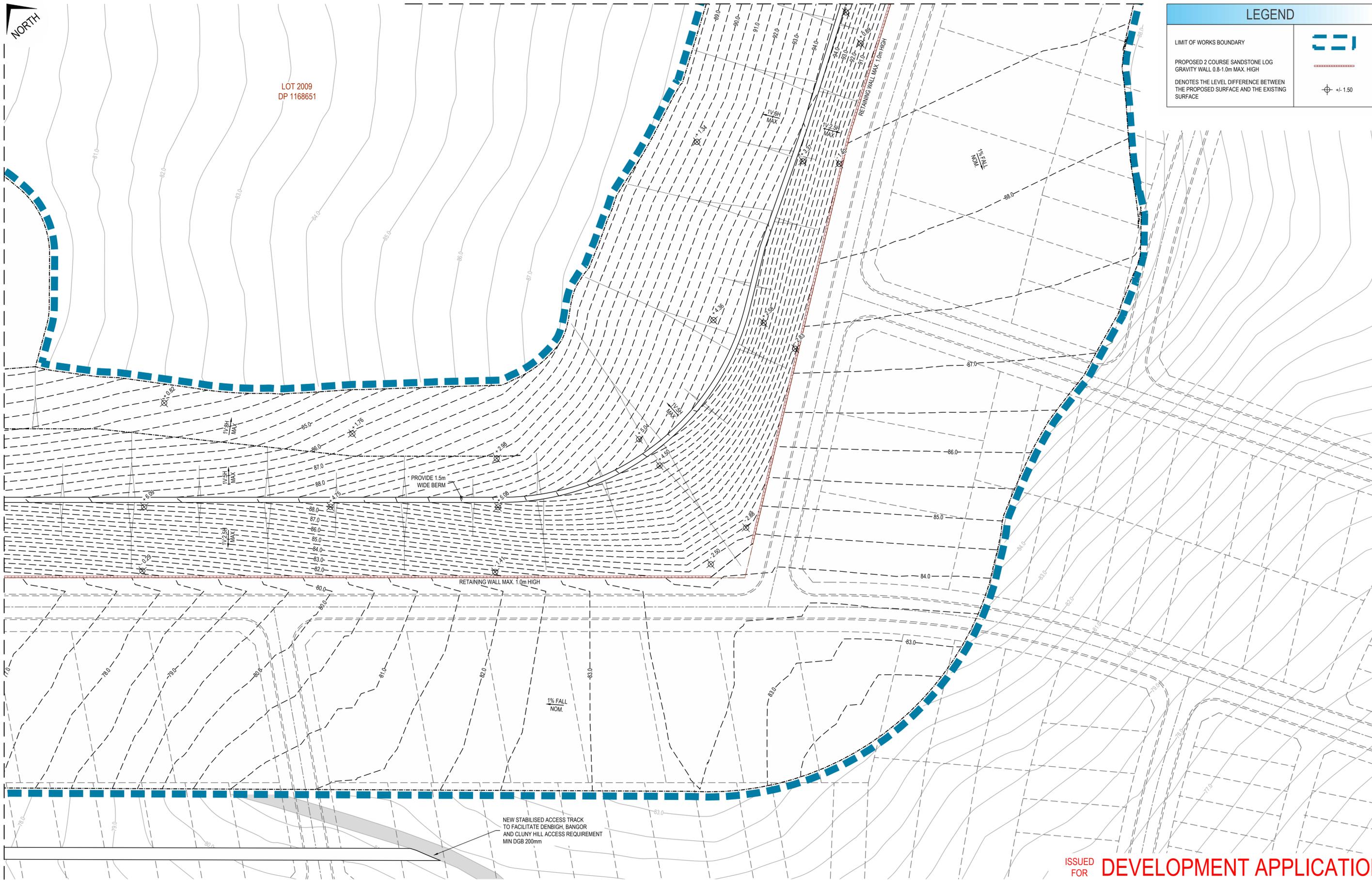
PROPOSED 2 COURSE SANDSTONE LOG
GRAVITY WALL 0.8-1.0m MAX. HIGH



DENOTES THE LEVEL DIFFERENCE BETWEEN
THE PROPOSED SURFACE AND THE EXISTING
SURFACE



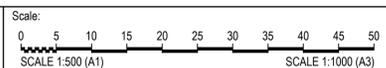
FOR CONTINUATION REFER TO DRAWING No.200



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By: **Orion Consulting**
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Project: **COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS**

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	201	B

Title: **ENGINEERING PLAN SHEET 02 OF 03**

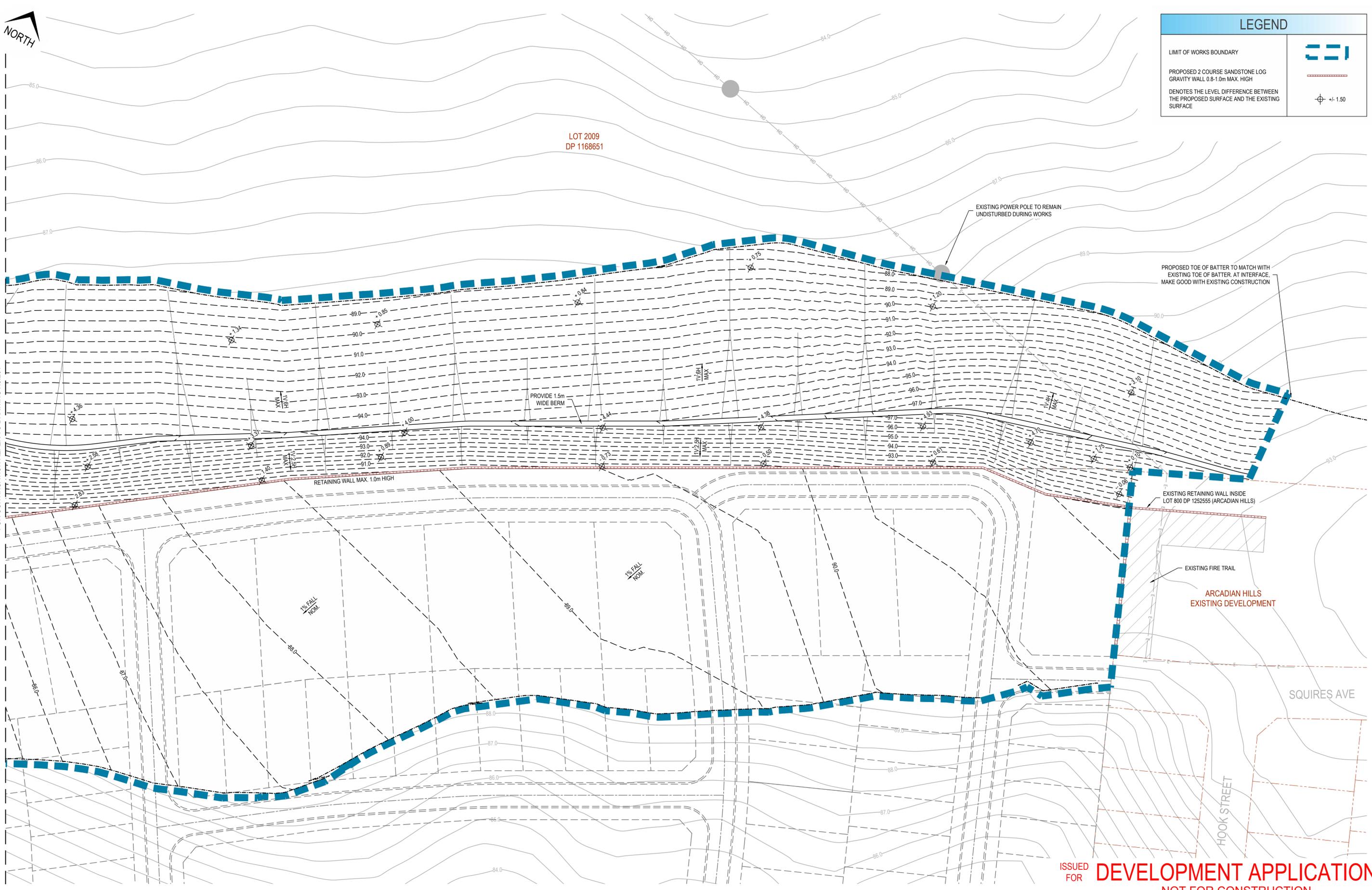


LEGEND

- LIMIT OF WORKS BOUNDARY
- PROPOSED 2 COURSE SANDSTONE LOG GRAVITY WALL 0.8-1.0m MAX. HIGH
- DENOTES THE LEVEL DIFFERENCE BETWEEN THE PROPOSED SURFACE AND THE EXISTING SURFACE

FOR CONTINUATION REFER TO DRAWING No.201

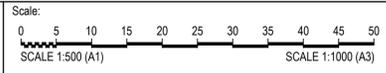
LOT 2009
DP 1168651



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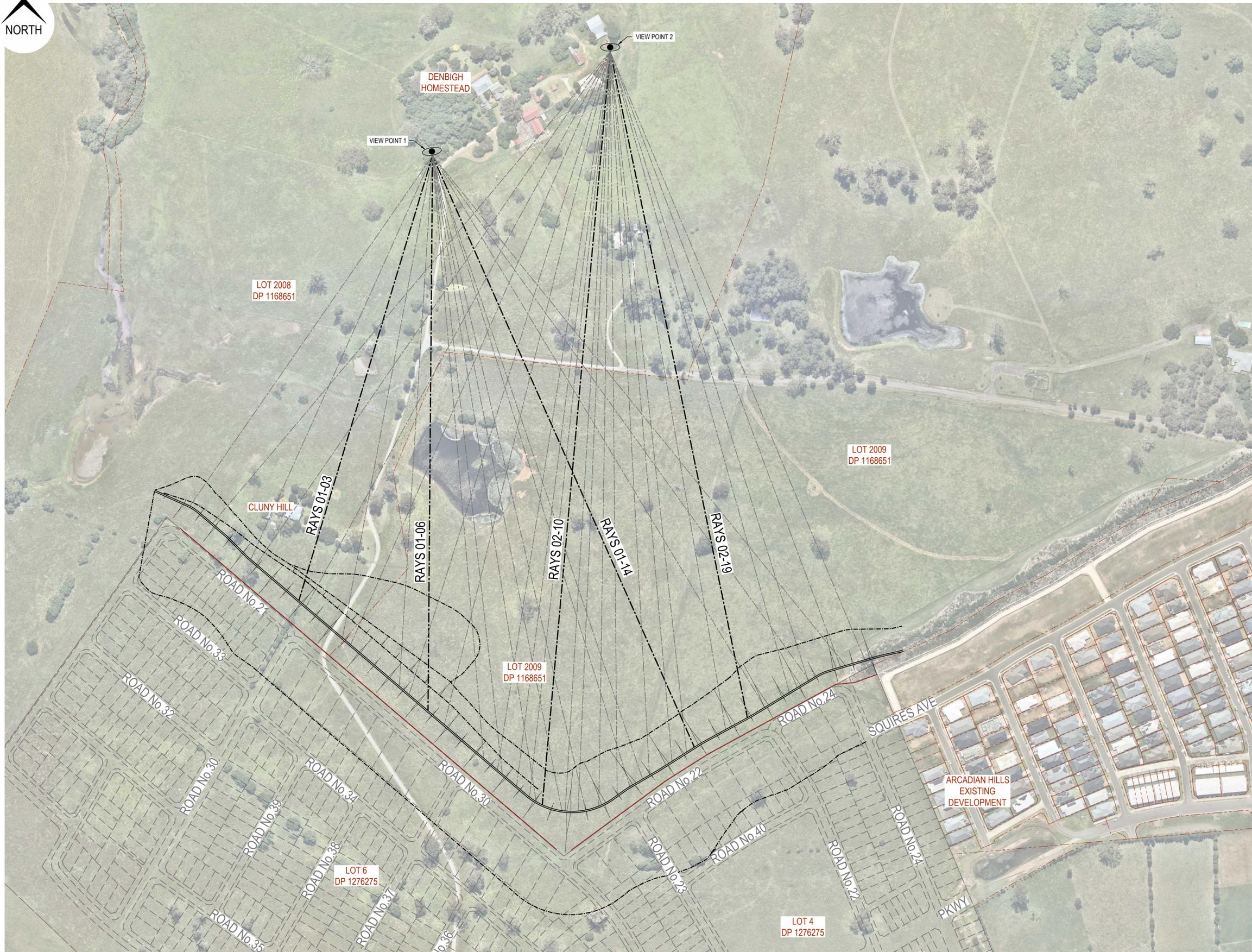
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Project: **COBBITTY VIEW MOUND (DENBIGH CURTILAGE) EARTHWORKS**

Title: ENGINEERING PLAN SHEET 03 OF 03				
Project No. 21-0258	Set No. 05	Milestone DA	Plan 202	Revision B



LEGEND

VIEW POINT NOMINATED BY
MCINTOSH FAMILY REPRESENTATIVE

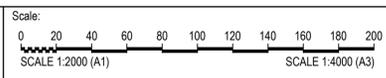
SIGHT RAY LONG SECTION LINES.
FOR SIGHT RAY LONG SECTIONS
REFER TO DRAWING No.401



ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	HS	CS	MP	CS	12/09/2022	ISSUED FOR DEVELOPMENT APPLICATION
A	AP	CS	KW/DH	CS	18/05/2022	ISSUED WITH DCP/ILP MODIFICATION

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Project: **COBBITTY VIEW MOUND (DENBIGH CURTLAGE) EARTHWORKS**

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	400	B

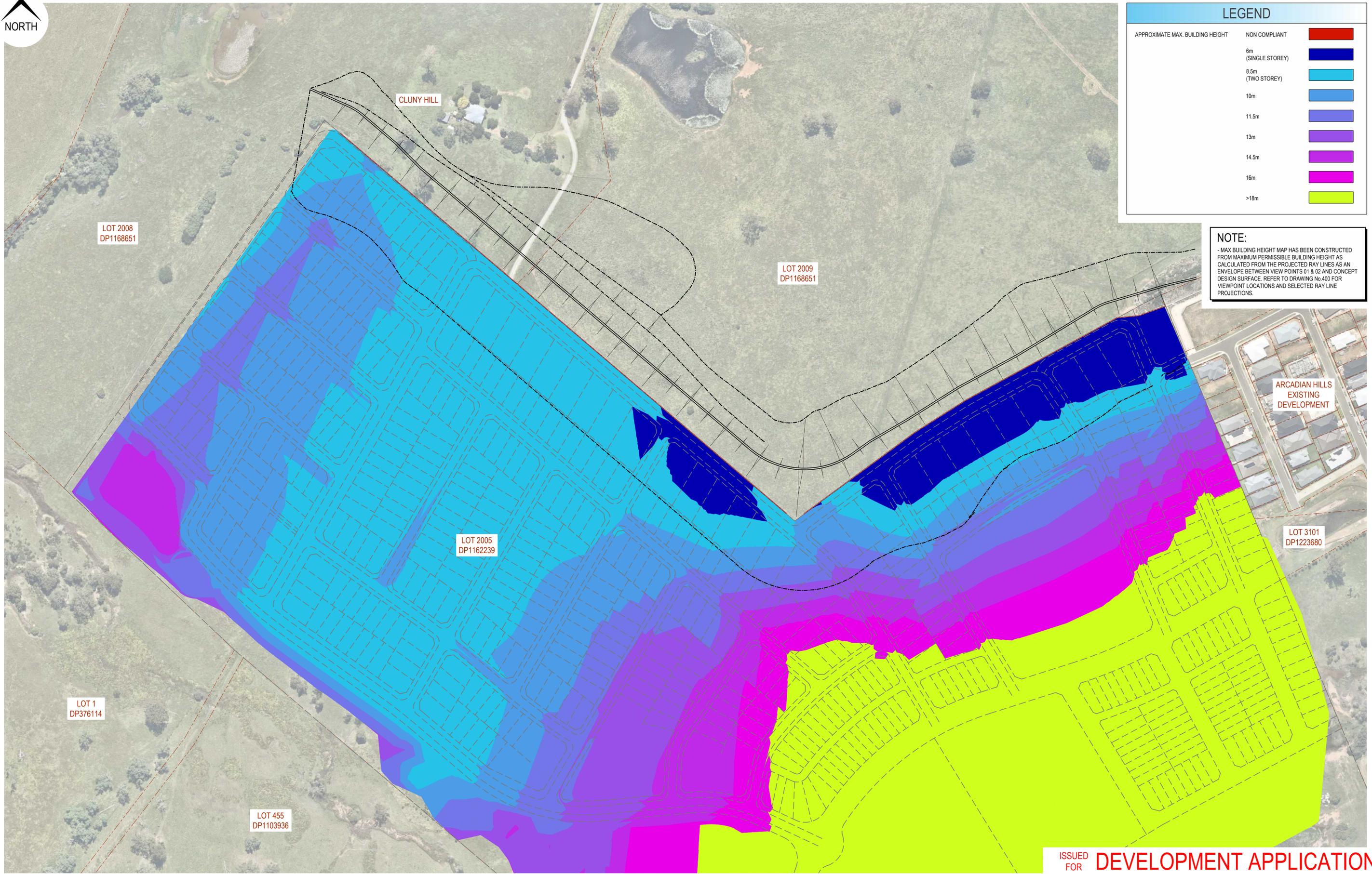
Project: 21-0258, 30_March_2022_2:57:46 PM File Name: C:\25\21-0258\21-0258-05-A3.dwg Plot Name: 21-0258-05-A3.dwg Plot Size: 1168x866mm Scale: 1:4000 (A3)



LEGEND

APPROXIMATE MAX. BUILDING HEIGHT	NON COMPLIANT	
6m (SINGLE STOREY)	NON COMPLIANT	
8.5m (TWO STOREY)		
10m		
11.5m		
13m		
14.5m		
16m		
>18m		

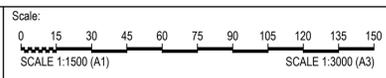
NOTE:
 - MAX BUILDING HEIGHT MAP HAS BEEN CONSTRUCTED FROM MAXIMUM PERMISSIBLE BUILDING HEIGHT AS CALCULATED FROM THE PROJECTED RAY LINES AS AN ENVELOPE BETWEEN VIEW POINTS 01 & 02 AND CONCEPT DESIGN SURFACE. REFER TO DRAWING No.400 FOR VIEWPOINT LOCATIONS AND SELECTED RAY LINE PROJECTIONS.



ISSUED FOR DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	HS	CS	MP	CS	12/09/2022	ISSUED FOR DEVELOPMENT APPLICATION
A	AP	CS	KW/DH	CS	18/05/2022	ISSUED WITH DCP/ILP MODIFICATION

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Project: **COBBITTY VIEW MOUND (DENBIGH CURTLAGE) EARTHWORKS**

Project No.	Set No.	Milestone	Plan	Revision
21-0258	05	DA	500	B

Project No: 21-0258 Set No: 05 Milestone: DA Plan: 500 Revision: B
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