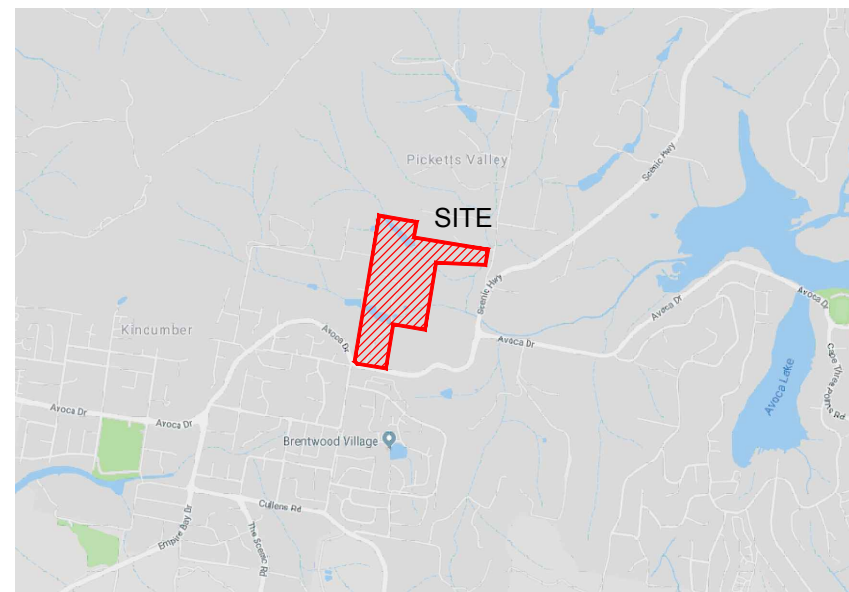


CONCEPT ENGINEERING PLANS OF ' PROPOSED RESIDENTIAL LAND LEASE COMMUNITY ' LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER



LOCALITY SKETCH
NOT TO SCALE

INDEX OF DRAWINGS

DRAWING No.	NAME
190587-CENG-001	COVER SHEET, INDEX OF DRAWINGS & LOCALITY SKETCH
190587-CENG-002	OVERALL SITE PLAN
190587-CENG-003	STAGING PLAN - SHEET 1
190587-CENG-004	STAGING PLAN - SHEET 2
190587-CENG-005	SITE CONSTRAINTS & DEMOLITION PLAN - SHEET 1
190587-CENG-006	SITE CONSTRAINTS & DEMOLITION PLAN - SHEET 2
190587-CENG-007	DAM DEWATERING PLAN
190587-CENG-008	AVOCA DRIVE INTERSECTION PLAN
190587-CENG-101	DETAIL PLAN - SHEET 1
190587-CENG-102	DETAIL PLAN - SHEET 2
190587-CENG-103	DETAIL PLAN - SHEET 3
190587-CENG-104	DETAIL PLAN - SHEET 4
190587-CENG-105	DETAIL PLAN - SHEET 5
190587-CENG-201	TYPICAL ROAD PROFILES
190587-CENG-211	ROAD LONGITUDINAL SECTIONS - ROAD No.1 - SHEET 1
190587-CENG-212	ROAD LONGITUDINAL SECTIONS - ROAD No.1 - SHEET 2
190587-CENG-213	ROAD LONGITUDINAL SECTIONS - ROAD No.1 - SHEET 3
190587-CENG-214	NOT USED
190587-CENG-215	ROAD LONGITUDINAL SECTIONS - ROAD No.2
190587-CENG-216	ROAD LONGITUDINAL SECTIONS - ROAD No.3
190587-CENG-217	ROAD LONGITUDINAL SECTIONS - ROAD No.4 & No.4B
190587-CENG-218	ROAD LONGITUDINAL SECTIONS - ROAD No.5
190587-CENG-219	ROAD LONGITUDINAL SECTIONS - ROAD No.6
190587-CENG-220	ROAD LONGITUDINAL SECTIONS - ROAD No.7
190587-CENG-221	ROAD LONGITUDINAL SECTIONS - FIRETRAIL - SHEET 1
190587-CENG-222	ROAD LONGITUDINAL SECTIONS - FIRETRAIL - SHEET 2
190587-CENG-223	ROAD LONGITUDINAL SECTIONS - CONSTRUCTION ACCESS - SHEET 1
190587-CENG-224	ROAD LONGITUDINAL SECTIONS - CONSTRUCTION ACCESS - SHEET 2
190587-CENG-225	ROAD LONGITUDINAL SECTIONS - CONSTRUCTION ACCESS - SHEET 3

INDEX OF DRAWINGS

DRAWING No.	NAME
190587-CENG-401	CONCEPT STORMWATER LAYOUT - SHEET 1
190587-CENG-402	CONCEPT STORMWATER LAYOUT - SHEET 2
190587-CENG-403	CONCEPT STORMWATER LAYOUT - SHEET 3
190587-CENG-404	CONCEPT STORMWATER LAYOUT - SHEET 4
190587-CENG-405	CHANNEL LONGITUDINAL SECTION & TYPICAL SECTION
190587-CENG-501	SITE REGRADE PLAN - SHEET 1
190587-CENG-502	SITE REGRADE PLAN - SHEET 2
190587-CENG-511	SITE REGRADE - SECTION A
190587-CENG-512	SITE REGRADE - SECTION B
190587-CENG-513	SITE REGRADE - SECTION C
190587-CENG-514	SITE REGRADE - SECTION D
190587-CENG-515	SITE REGRADE - SECTION 1 & 2
190587-CENG-516	SITE REGRADE - SECTION 3
190587-CENG-517	SITE REGRADE - SECTION 4
190587-CENG-518	SITE REGRADE - SECTION 5
190587-CENG-519	SITE REGRADE - SECTION 6
190587-CENG-551	PAD GRADING PLAN - SHEET 1
190587-CENG-552	PAD GRADING PLAN - SHEET 2
190587-CENG-553	PAD GRADING PLAN - SHEET 3
190587-CENG-554	PAD GRADING PLAN - SHEET 4
190587-CENG-601	EROSION & SEDIMENT CONTROL PLAN - SHEET 1
190587-CENG-602	EROSION & SEDIMENT CONTROL PLAN - SHEET 2
190587-CENG-611	EROSION & SEDIMENT CONTROL DETAILS & NOTES
190587-CENG-901	CONCEPT WATER & SEWER LAYOUT - SHEET 1
190587-CENG-902	CONCEPT WATER & SEWER LAYOUT - SHEET 2

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

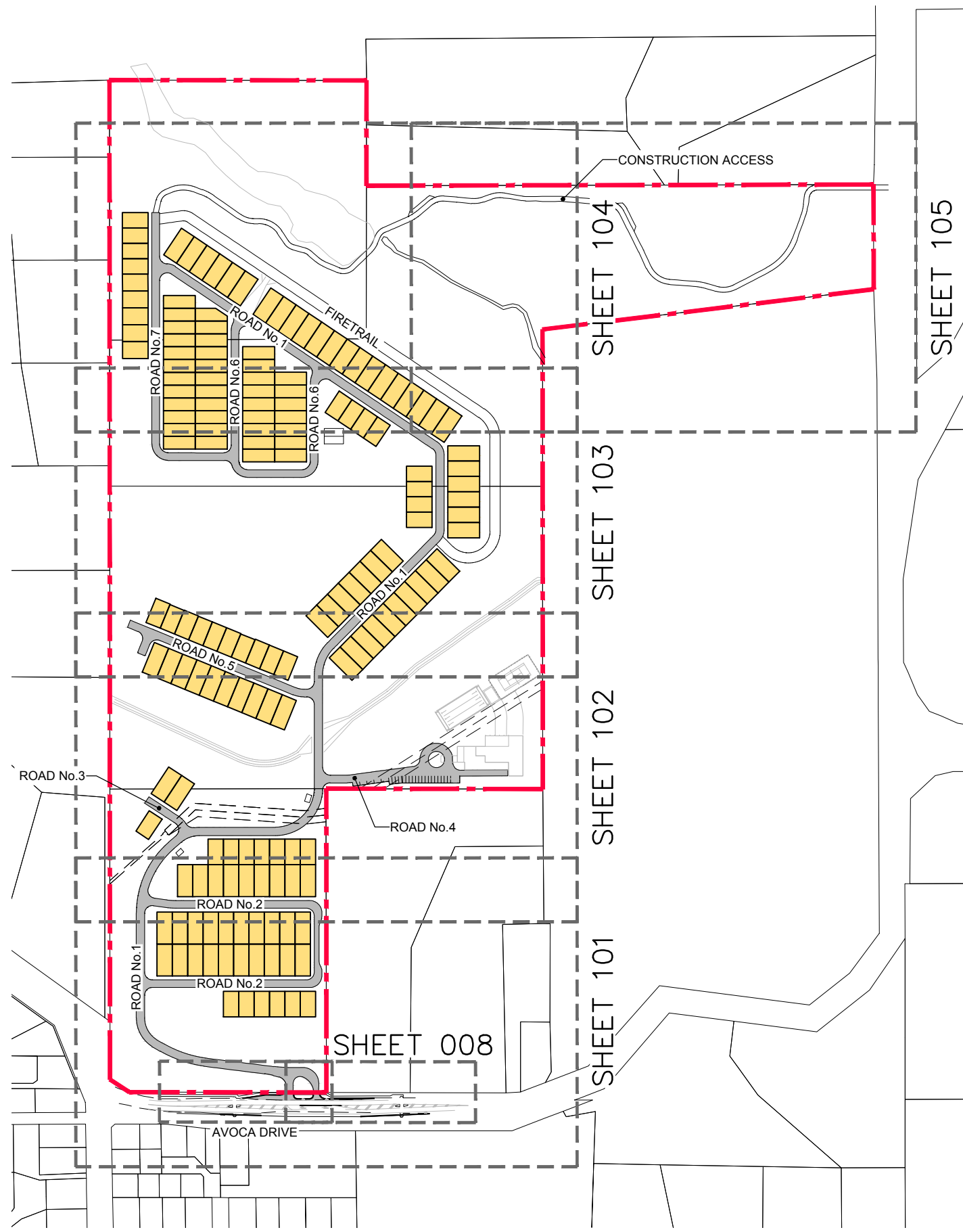


NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
PLAN TITLE COVER SHEET, INDEX OF DRAWINGS & LOCALITY SKETCH																
		SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587		DISCIPLINE CENG		NUMBER 001		REV. H				
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.										
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.										
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.										
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.										
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.										
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.										

GENERAL NOTES: -

1. PLANS ARE FOR DEVELOPMENT CONSENT APPROVAL ONLY. NOT FOR CONSTRUCTION.
2. PLANS ARE TO BE VIEWED WITH REFERENCE TO "WATER CYCLE MANAGEMENT PLAN" PREPARED BY ADW JOHNSON DATED NOVEMBER 2020.
3. FOR GEOTECHNICAL REQUIREMENTS REFER TO "PROPOSED RESIDENTIAL LAND LEASE COMMUNITY PRELIMINARY GEOTECHNICAL ASSESSMENT" PREPARED BY QUALTEST DATED OCTOBER 2019.
4. REFER TO LANDSCAPE ARCHITECTS PLANS FOR PEDESTRIAN PATHS.



LEGEND
--- SITE BOUNDARY
 - - - - - EXISTING LOT BOUNDARY



□ ORIGIN OF LEVELS
 BENCH MARK
 P.M. 109949
 R.L. 37.014 A.H.D.



NOT FOR CONSTRUCTION

OVERALL SITE PLAN
 SCALE 1:2000

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

Central Coast
 5 Pioneer Avenue,
 P.O. Box 3717,
 Tuggerah N.S.W. 2259
 Phone: (02) 4305 4300
 Fax: (02) 4305 4399
 email: coast@adwjohnson.com.au
 www.adwjohnson.com.au
 ABN 62 129 445 398

CLIENT
 CHOICE LIVING AVOCA
 DEVELOPMENT PTY LTD

PROPERTY DESCRIPTION
 LOT A, D.P. 449600,
 LOTS 2, 3 & 9 IN D.P. 976794
 AVOCA DRIVE, KINCUMBER

SURVEYED
 MAP & SURVEY

DATUM
 A.H.D.

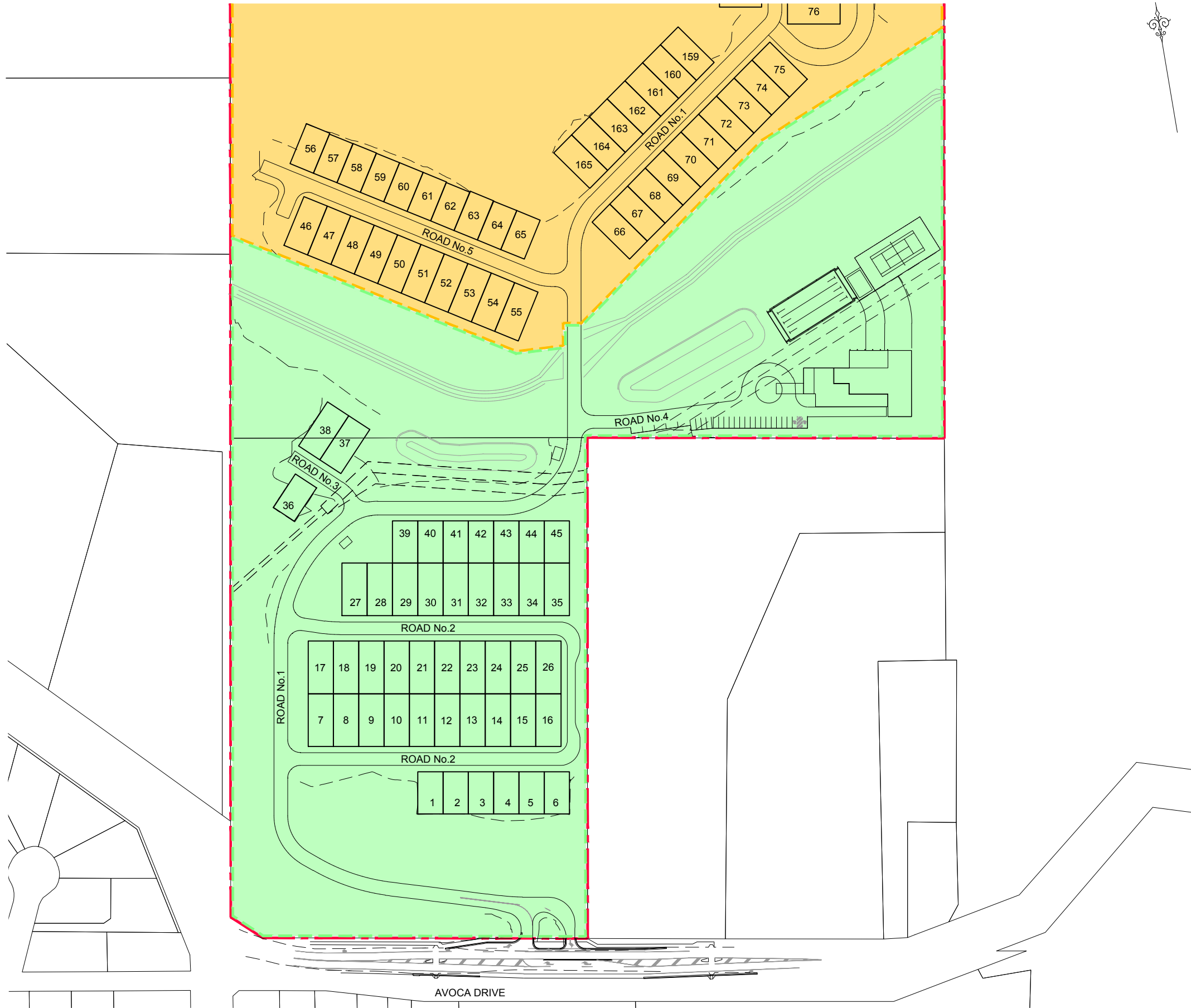
PROJECT CHOICE LIVING AVOCA			
PLAN TITLE OVERALL SITE PLAN			
PROJECT No. 190587	DISCIPLINE - CENG	NUMBER - 002	REV. H

REFER SHEET 004 FOR CONTINUATION

M.G.A.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- STAGE 1 - LIMIT OF WORKS
- STAGE 2 - LIMIT OF WORKS
- STAGE 3 - LIMIT OF WORKS












STAGING PLAN
SCALE 1:1000

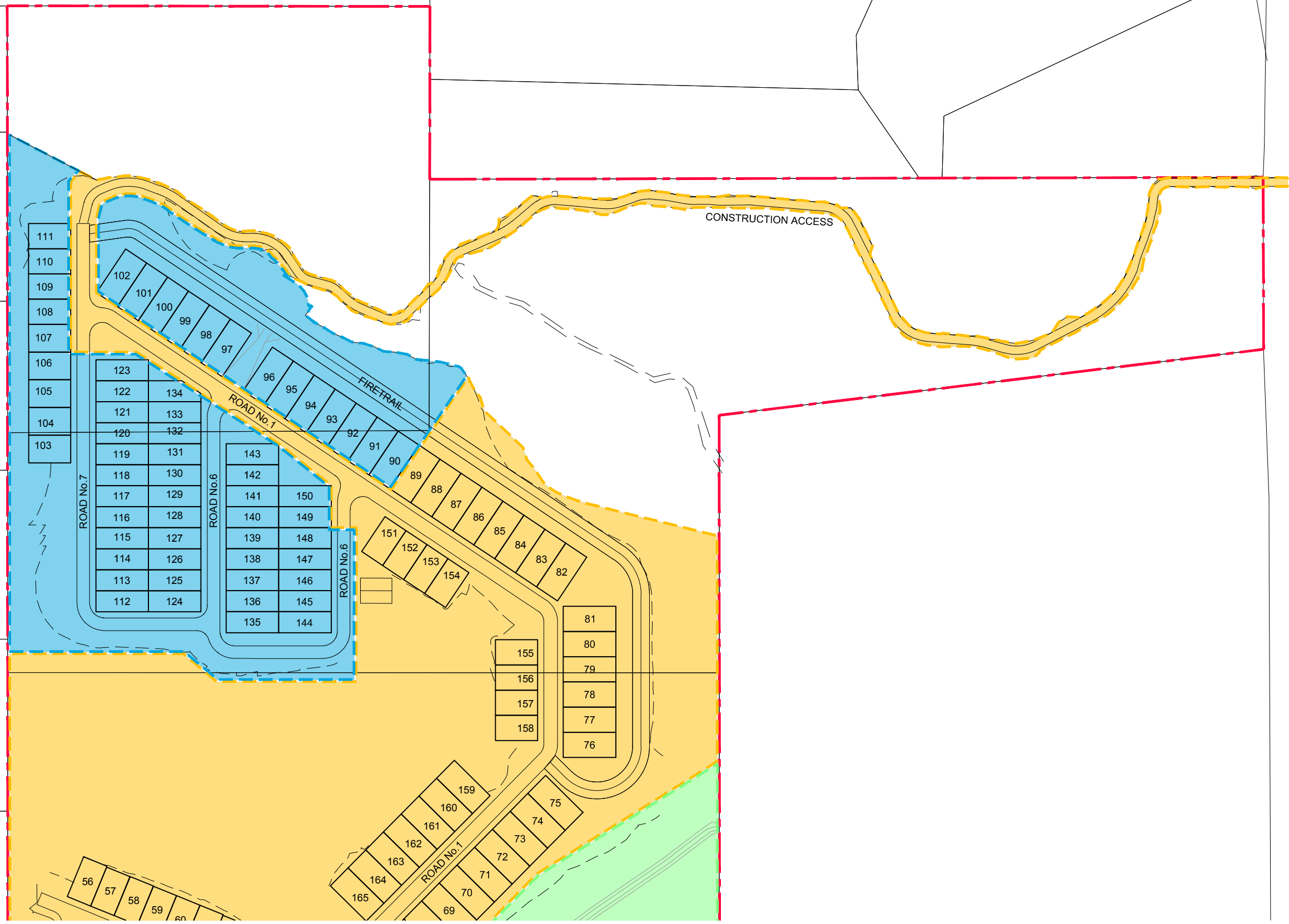


NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES			CLIENT	PROPERTY DESCRIPTION	PROJECT			
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.			Central Coast		LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	CHOICE LIVING AVOCA			
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.			5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259	CHOICE LIVING AVOCA DEVELOPMENT PTY LTD		PLAN TITLE			
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.			Phone: (02) 4305 4300			STAGING PLAN			
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.			Fax: (02) 4305 4399		SHEET 1				
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.			email: coast@adwjohnson.com.au		SURVEYED MAP & SURVEY	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 003	REV. H
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.			www.adwjohnson.com.au						
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.			ABN 62 129 445 398						
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.									

LEGEND

-  SITE BOUNDARY
-  PROPOSED LOT BOUNDARY
-  EXISTING LOT BOUNDARY
-  PROPOSED KERB
-  EXISTING KERB
-  EXTENTS OF BATTER
-  STAGE 1 - LIMIT OF WORKS
-  STAGE 2 - LIMIT OF WORKS
-  STAGE 3 - LIMIT OF WORKS



REFER SHEET 003 FOR CONTINUATION

STAGING PLAN
SCALE 1:1000



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES	CLIENT	PROPERTY DESCRIPTION	PROJECT					
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	CHOICE LIVING AVOCA					
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.				CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PLAN TITLE STAGING PLAN SHEET 2				
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.									
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.									
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.									
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.									
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.									
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.									
DESIGN FILE S:\190587\DESIGN\12D\SW CONCEPT\CONCEPT_ENG.project ALL DIMENSIONS ARE IN METRES. DO NOT SCALE								CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROJECT CHOICE LIVING AVOCA	SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 004	REV. H

190587-CENG-005

NOTES: -

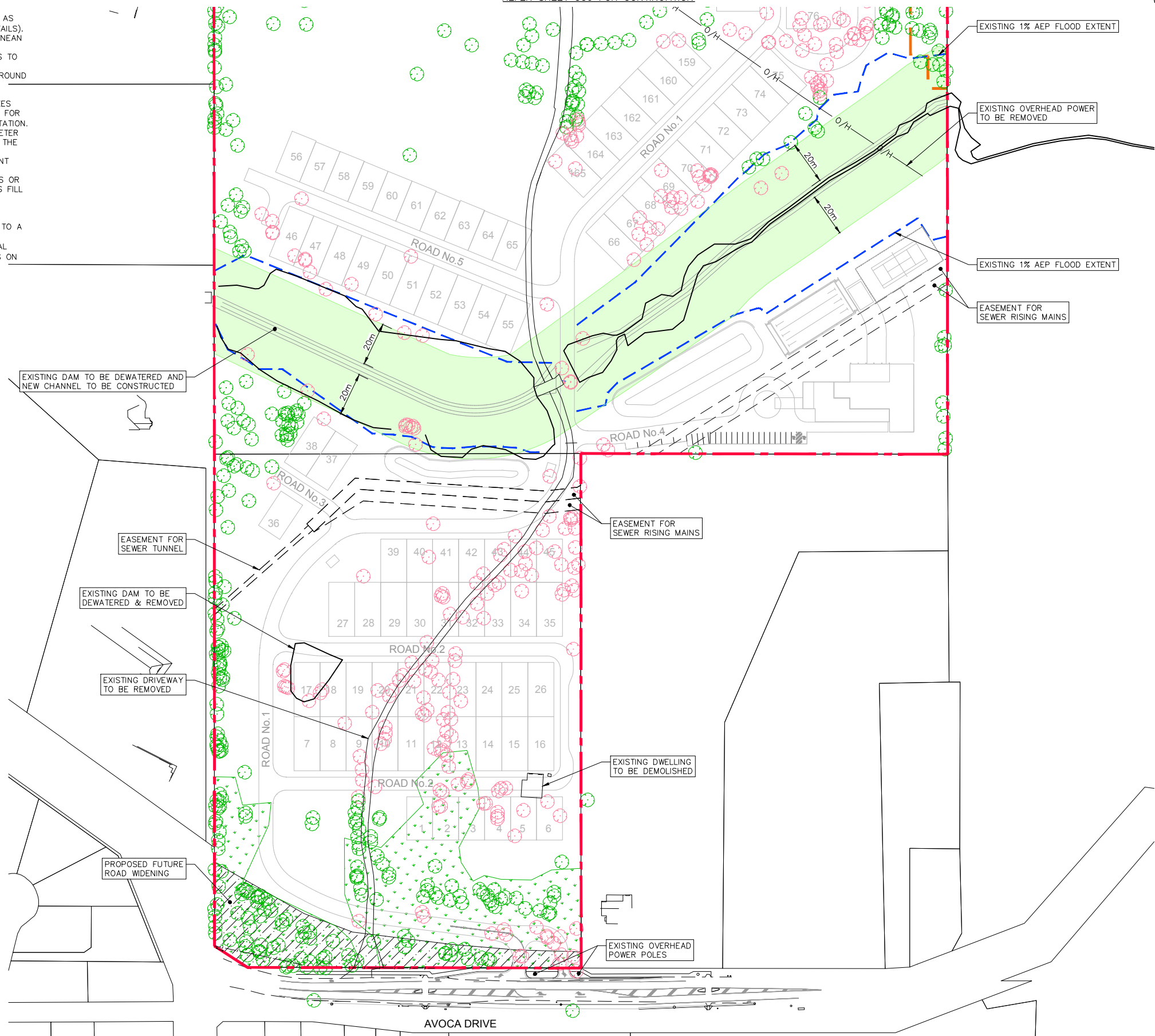
- DAM TO BE DE-WATERED AND REMEDIATED IF NEEDED AS PART OF DEMOLITION WORKS (SEE CENG-007 FOR DETAILS).
- ALL BUILDINGS AND STRUCTURES INCLUDING SUBTERRANEAN FOUNDATIONS ARE TO BE REMOVED.
- ALL HARDSTAND AREAS INCLUDING PAVEMENT GRAVELS TO BE REMOVED.
- ALL BUILDING SERVICES BOTH OVERHEAD AND UNDERGROUND ARE TO BE DISCONNECTED AND REMOVED.
- ALL INTERNAL DIVIDING FENCES ARE TO BE REMOVED.
- ALL TREES WITHIN THE SITE ARE TO BE REMOVED. TREES AND SHRUBS WHICH ARE FELLED ARE TO BE MULCHED FOR RE-USE AS EROSION CONTROL AND/OR SITE REHABILITATION. NO-GO FENCING IS TO BE ERECTED ALONG THE PERIMETER OF THE SITE TO PREVENT ACCESS TO AREAS OUTSIDE THE SUBJECT SITE.
- THE SITE IS TO BE APPROPRIATELY FENCED TO PREVENT PUBLIC ACCESS DURING DEMOLITION WORKS.
- ALL HOLES CREATED BY THE REMOVAL OF STRUCTURES OR SERVICES ARE TO BE FILLED WITH CLEAN HOMOGENOUS FILL UNDER LEVEL 1 GEOTECH SUPERVISION.
- ALL WORKS ARE TO BE CARRIED OUT TO MINIMISE THE DISBURSEMENT OF ANY POSSIBLE CONTAMINATION.
- ALL REMOVED ITEMS ARE TO BE RECYCLED OR TAKEN TO A LICENSED WASTE FACILITY.
- SERVICES SHOWN ARE INDICATIVE ONLY (BASED ON DIAL BEFORE YOU DIG) AND DO NOT REFLECT ALL SERVICES ON SITE.

REFER SHEET 006 FOR CONTINUATION

M.G.A.

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- PROPOSED KERB
- 1% FLOOD EXTENT
- APZ BUFFER
- RIPARIAN CORRIDOR
- SIGNIFICANT VEGETATION
- PROPOSED BASIN
- PROPOSED ROAD WIDENING
- POSSIBLE HERITAGE SITES
- TREE TO BE RETAINED
- TREE TO BE REMOVED
- EXISTING SEWER EASEMENT
- EXISTING OVERHEAD POWER



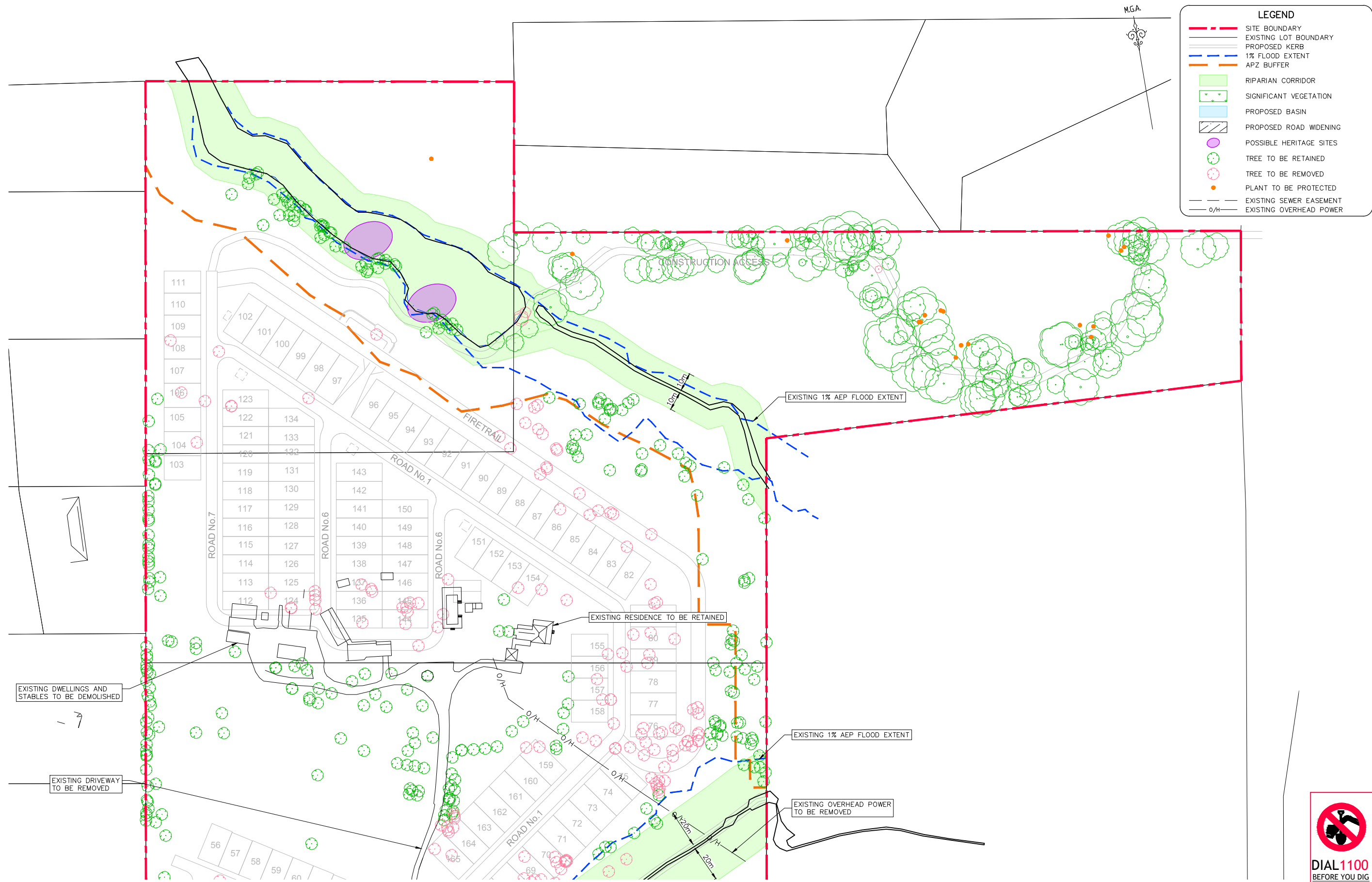
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SITE CONSTRAINTS & DEMOLITION PLAN
SCALE 1:1000



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA			
PLAN TITLE SITE CONSTRAINTS & DEMOLITION PLAN SHEET 1																
		SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.									
		MAP & SURVEY	A.H.D.	190587	CENG	005	H									



SITE CONSTRAINTS & DEMOLITION PLAN
SCALE 1:1000

NOT FOR CONSTRUCTION



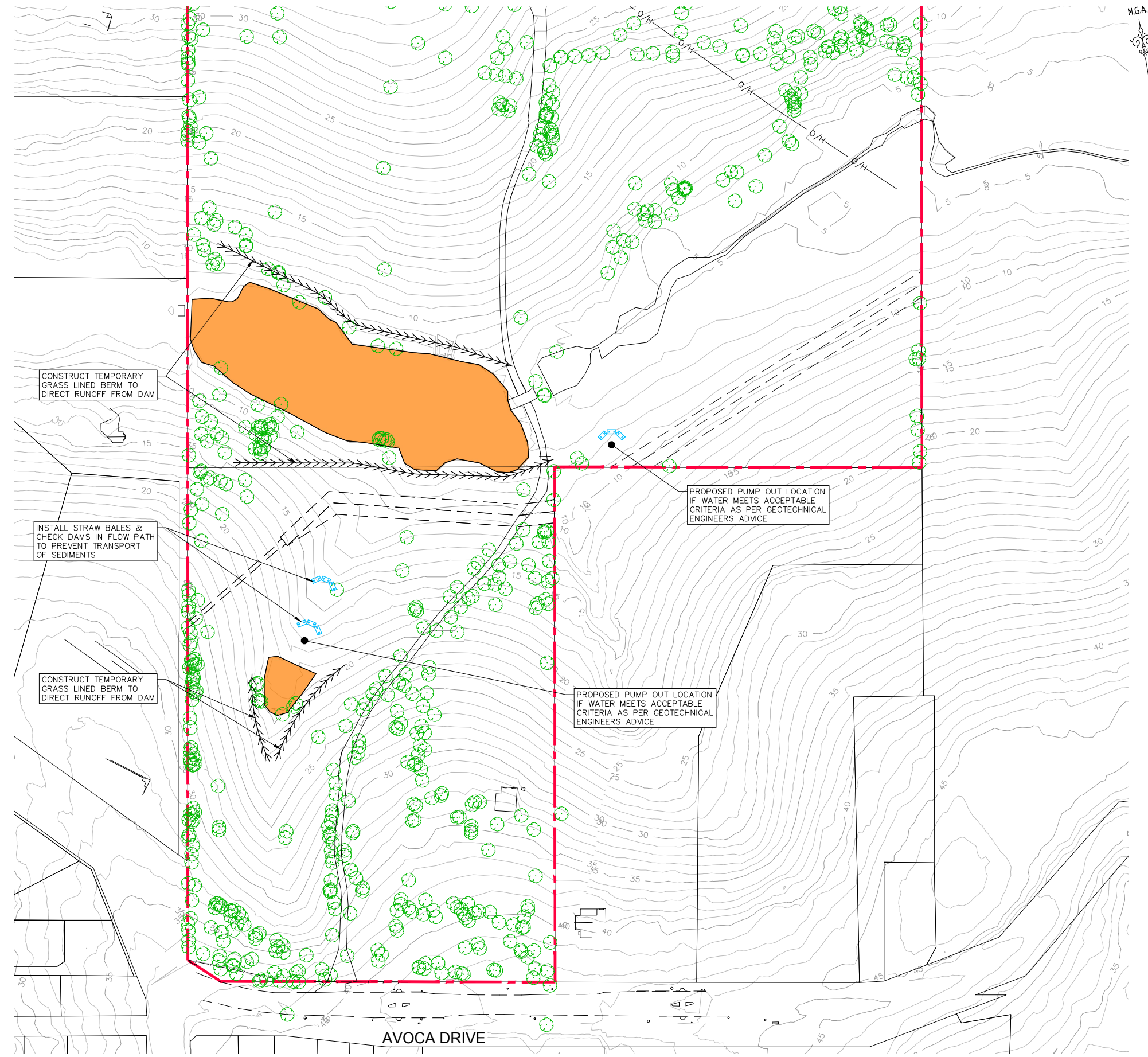
REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT		
LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		CHOICE LIVING AVOCA SITE CONSTRAINTS & DEMOLITION PLAN SHEET 2														
SURVEYED		DATUM		PROJECT No.	DISCIPLINE	NUMBER	REV.									
MAP & SURVEY		A.H.D.		190587	CENG	006	H									

NOTES:—
 DEWATERING TO BE COMPLETED IN ACCORDANCE WITH REPORT PREPARED BY NARLA ENVIRONMENTAL AND ADVICE FROM GEOTECHNICAL ENGINEER.

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- DEWATERING/REMEDATION WORKS
- GRASS-LINED SWALE
- STRAW BALES
- EXISTING TREE
- SEWER EASEMENT
- EXISTING OVERHEAD POWER

CONTOUR INTERVAL = 1.0m



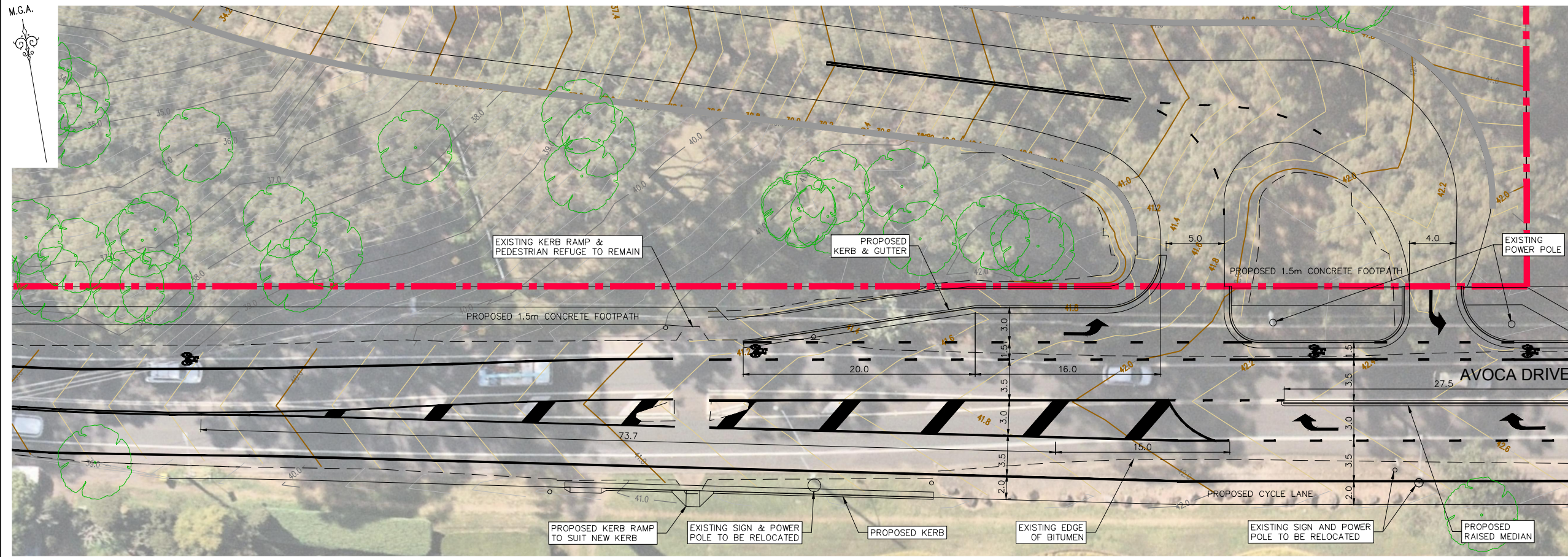
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DAM DEWATERING PLAN
 SCALE 1:1000



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES	 A1 1:1000 A3 1:2000	 Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT	
LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		CHOICE LIVING AVOCA												
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.					PLAN TITLE		DAM DEWATERING PLAN	
B	18/10/19	DETAIL ADDED	N.Mc.	N.Mc.	N.D.	N.D.					PROJECT No.		190587 - CENG - 007	
C	25/10/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.					DISCIPLINE		CENG - 007	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.					NUMBER		007	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.					REV.		H	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.					SURVEYED		MAP & SURVEY	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.					DATUM		A.H.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.					DISCIPLINE		CENG - 007	



AVOCA DRIVE INTERSECTION PLAN
SCALE 1:200

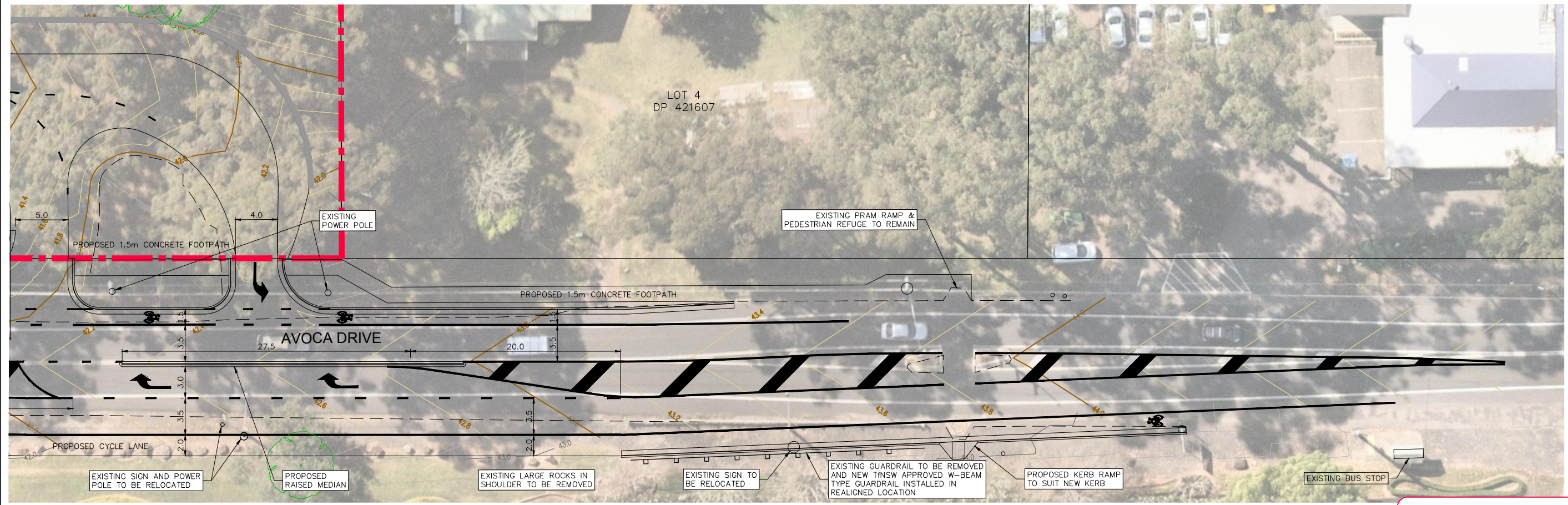
LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER

CONTOUR INTERVAL = 0.2m

GENERAL NOTES: -

- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.



AVOCA DRIVE INTERSECTION PLAN
SCALE 1:200



NOT FOR CONSTRUCTION

100mm AT FULL SIZE
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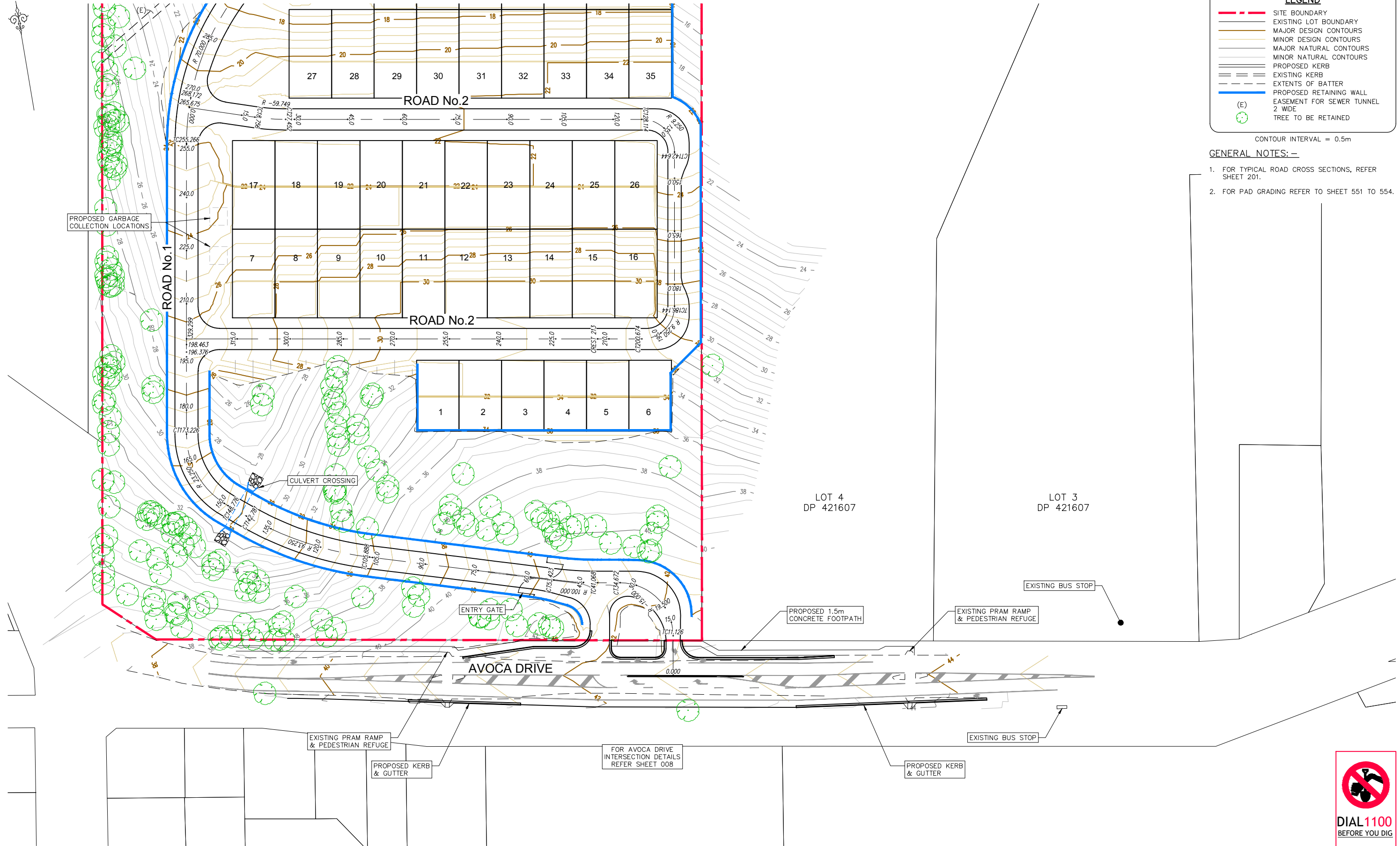
REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT			
											LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		CHOICE LIVING AVOCA PLAN TITLE AVOCA DRIVE INTERSECTION PLAN			
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.					SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 008	REV. H
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.										
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.										
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.										
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.										
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.										
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.										

LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- EASEMENT FOR SEWER TUNNEL 2 WIDE
- TREE TO BE RETAINED

CONTOUR INTERVAL = 0.5m

- GENERAL NOTES:-**
- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.
 - FOR PAD GRADING REFER TO SHEET 551 TO 554.



DETAIL PLAN
SCALE 1:500

NOT FOR CONSTRUCTION

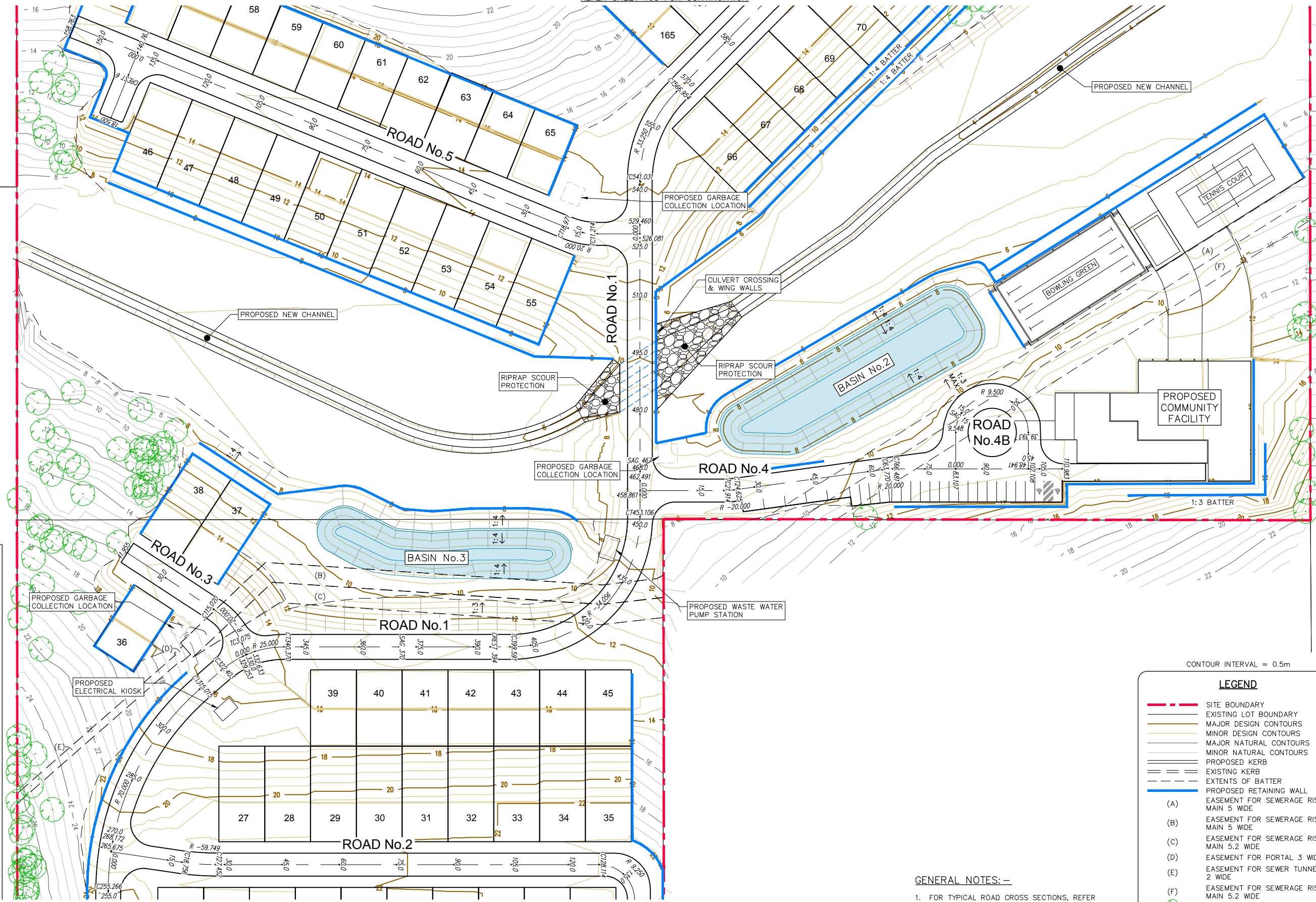


100mm AT FULL SIZE
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<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DESIGN</th> <th>DRAWN</th> <th>CHECKED</th> <th>APPROVED</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>16/10/19</td> <td>PRELIMINARY ISSUE</td> <td>N.Mc.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td>A1</td> </tr> <tr> <td>B</td> <td>18/10/19</td> <td>DETAIL ADDED</td> <td>N.Mc.</td> <td>N.Mc.</td> <td>N.D.</td> <td>N.D.</td> <td>0 12.5 25.0m A3</td> </tr> <tr> <td>C</td> <td>25/10/19</td> <td>GENERAL AMENDMENT</td> <td>N.Mc.</td> <td>N.Mc.</td> <td>N.D.</td> <td>N.D.</td> <td>1:500</td> </tr> <tr> <td>D</td> <td>04/11/19</td> <td>GENERAL AMENDMENT</td> <td>N.Mc.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>E</td> <td>02/12/19</td> <td>GENERAL AMENDMENT</td> <td>N.Mc.</td> <td>J.D.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>F</td> <td>03/03/20</td> <td>CAR WASH ADDED</td> <td>N.Mc.</td> <td>J.D.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>G</td> <td>06/11/20</td> <td>LAYOUT AMENDED</td> <td>J.D.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>H</td> <td>11/11/20</td> <td>CLIENT AMENDMENTS</td> <td>J.D.</td> <td>J.D.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> </tbody> </table>		REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES	A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1	B	18/10/19	DETAIL ADDED	N.Mc.	N.Mc.	N.D.	N.D.	0 12.5 25.0m A3	C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	1:500	D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.		E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.		F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.		G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.		H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.		<p>adw Johnson</p> <p>Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>		<p>CLIENT</p> <p>CHOICE LIVING AVOCA DEVELOPMENT PTY LTD</p>		<p>PROPERTY DESCRIPTION</p> <p>LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER</p>		<p>PROJECT</p> <p>CHOICE LIVING AVOCA</p>	
REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES																																																																										
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<p>DESIGN FILE S:\190587\DESIGN\120\SW CONCEPT\CONCEPT_ENG.project</p> <p>Plotted By: Jeremy Dick Plot Date: 12/11/20 10:10:24AM Cad File: S:\190587\DRAWINGS\ENG\CENG\190587-CENG-101.DWG</p>				<p>PLAN TITLE</p> <p>DETAIL PLAN SHEET 1</p>		<p>PROJECT No. 190587 - DISCIPLINE CENG - NUMBER 101 - REV. H</p>																																																																											
<p>SURVEYED</p> <p>MAP & SURVEY</p>		<p>DATUM</p> <p>A.H.D.</p>		<p>DISCIPLINE</p> <p>CENG</p>		<p>NUMBER</p> <p>101</p>																																																																											

DETAIL PLAN

SCALE 1:500



CONTOUR INTERVAL = 0.5m

LEGEND	
	SITE BOUNDARY
	EXISTING LOT BOUNDARY
	MAJOR DESIGN CONTOURS
	MINOR DESIGN CONTOURS
	MAJOR NATURAL CONTOURS
	MINOR NATURAL CONTOURS
	PROPOSED KERB
	EXISTING KERB
	EXTENTS OF BATTER
	PROPOSED RETAINING WALL
(A)	EASEMENT FOR SEWERAGE RISING MAIN 5 WIDE
(B)	EASEMENT FOR SEWERAGE RISING MAIN 5 WIDE
(C)	EASEMENT FOR SEWERAGE RISING MAIN 5.2 WIDE
(D)	EASEMENT FOR PORTAL 3 WIDE
(E)	EASEMENT FOR SEWER TUNNEL 2 WIDE
(F)	EASEMENT FOR SEWERAGE RISING MAIN 5.2 WIDE
	TREE TO BE RETAINED

GENERAL NOTES: -

- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.
- FOR PAPD GRADING REFER TO SHEET 551 TO 554.



DIAL1100
BEFORE YOU DIG

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.	A1
B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.	1:500
C	25/10/19	GENERAL AMENDMENT	N.M.C.	N.M.C.	N.D.	N.D.	1:1000
D	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.M.C.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	



adw Johnson

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ABN 62 129 445 398

CLIENT
CHOICE LIVING AVOCA DEVELOPMENT PTY LTD

PROPERTY DESCRIPTION
LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER

PROJECT
CHOICE LIVING AVOCA

PLAN TITLE
DETAIL PLAN SHEET 2

SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
MAP & SURVEY	A.H.D.	190587	CENG	102	H

REFER SHEET 104 FOR CONTINUATION

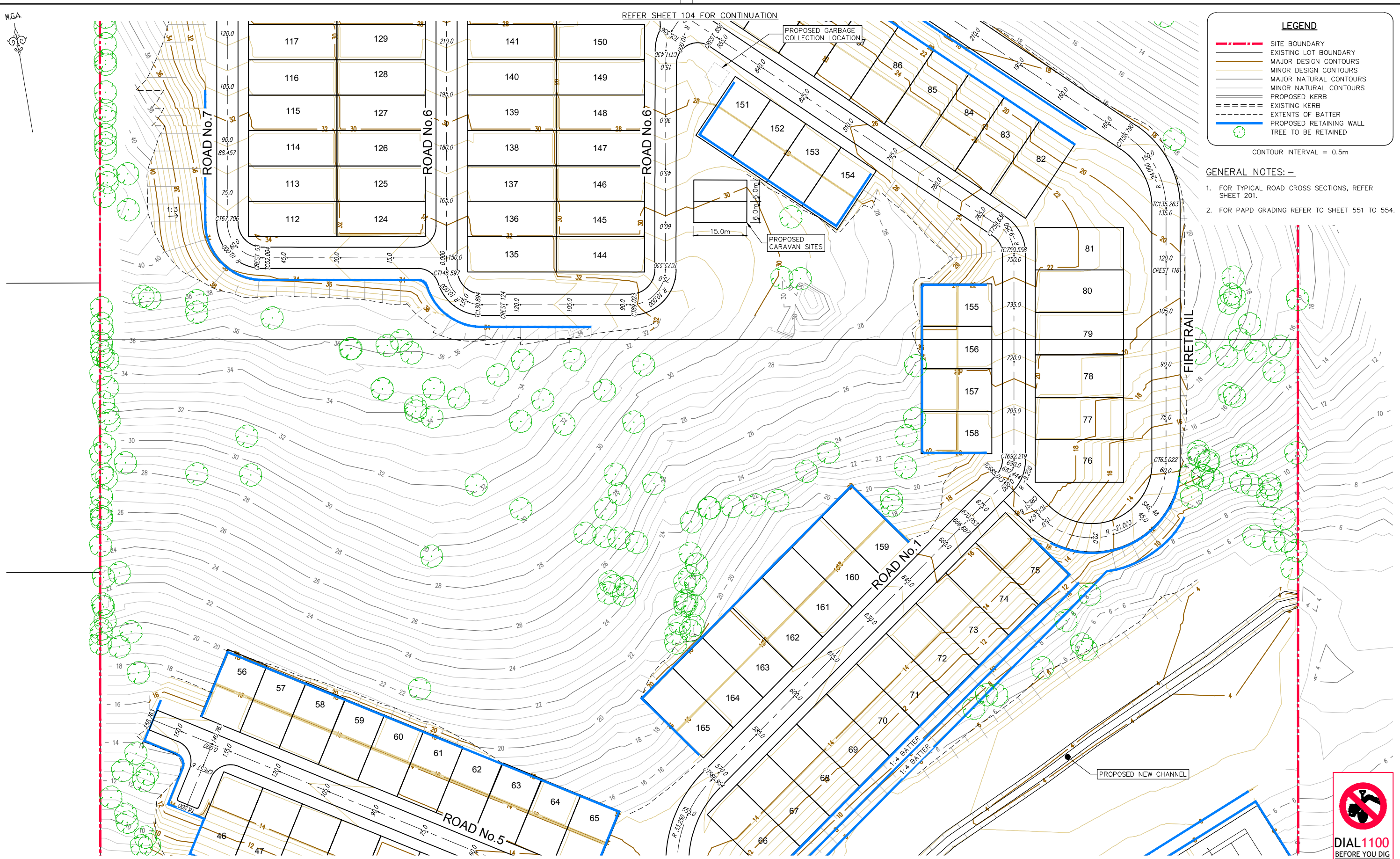
LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- TREE TO BE RETAINED

CONTOUR INTERVAL = 0.5m

GENERAL NOTES: -

1. FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.
2. FOR PAPD GRADING REFER TO SHEET 551 TO 554.



REFER SHEET 102 FOR CONTINUATION

DETAIL PLAN

SCALE 1:500

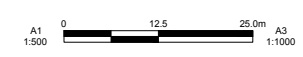


DIAL 1100
BEFORE YOU DIG

NOT FOR CONSTRUCTION

100mm AT FULL SIZE
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C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	



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CLIENT
CHOICE LIVING AVOCA
DEVELOPMENT PTY LTD

PROPERTY DESCRIPTION
LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER

PROJECT
CHOICE LIVING AVOCA

PLAN TITLE
DETAIL PLAN
SHEET 3

SURVEYED
MAP & SURVEY

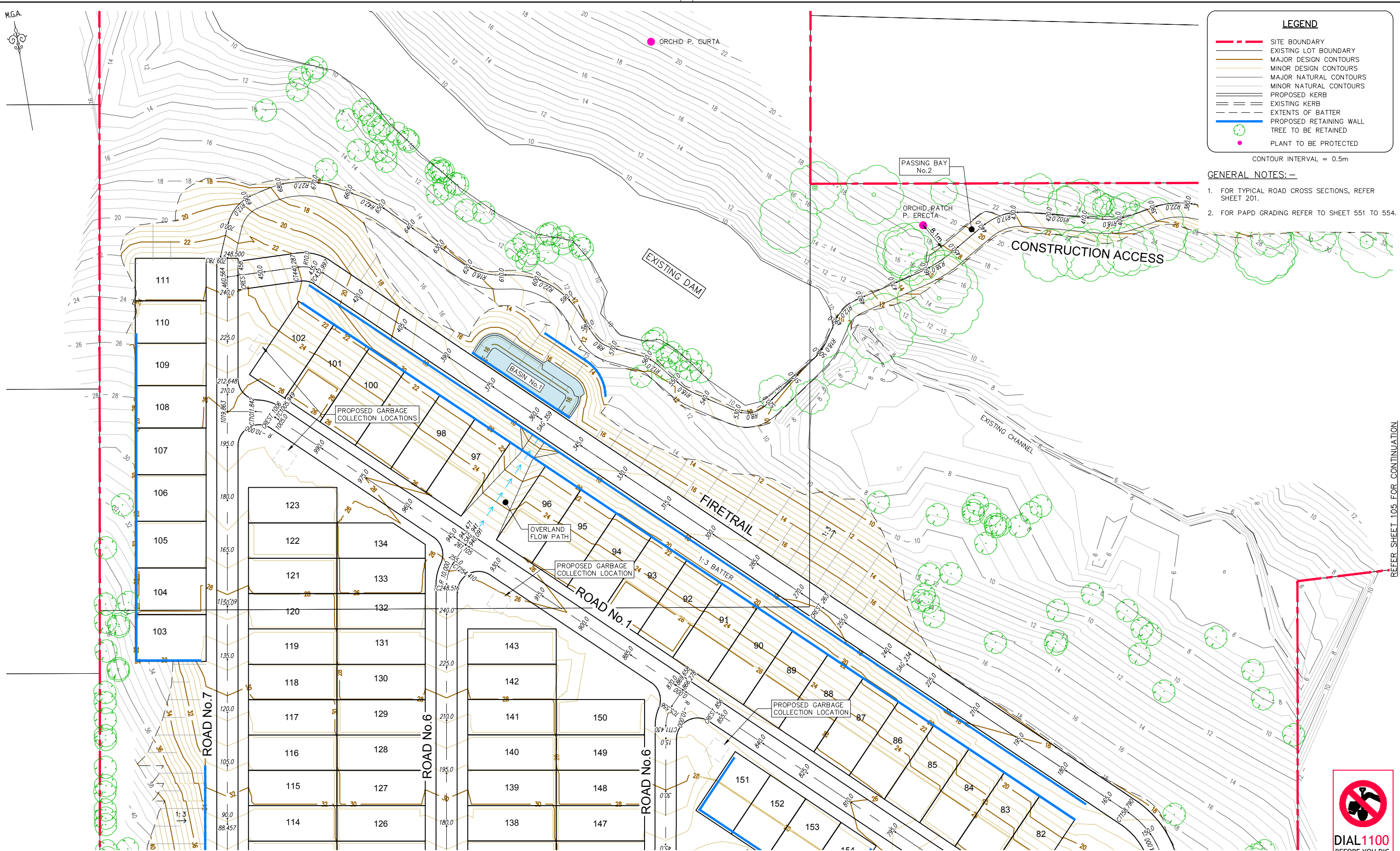
DATUM
A.H.D.

PROJECT No.
190587

DISCIPLINE
CENG

NUMBER
103

REV.
H



LEGEND

- SITE BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- TREE TO BE RETAINED
- PLANT TO BE PROTECTED

CONTOUR INTERVAL = 0.5m

- GENERAL NOTES:--**
1. FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.
 2. FOR PAPD GRADING REFER TO SHEET 551 TO 554.

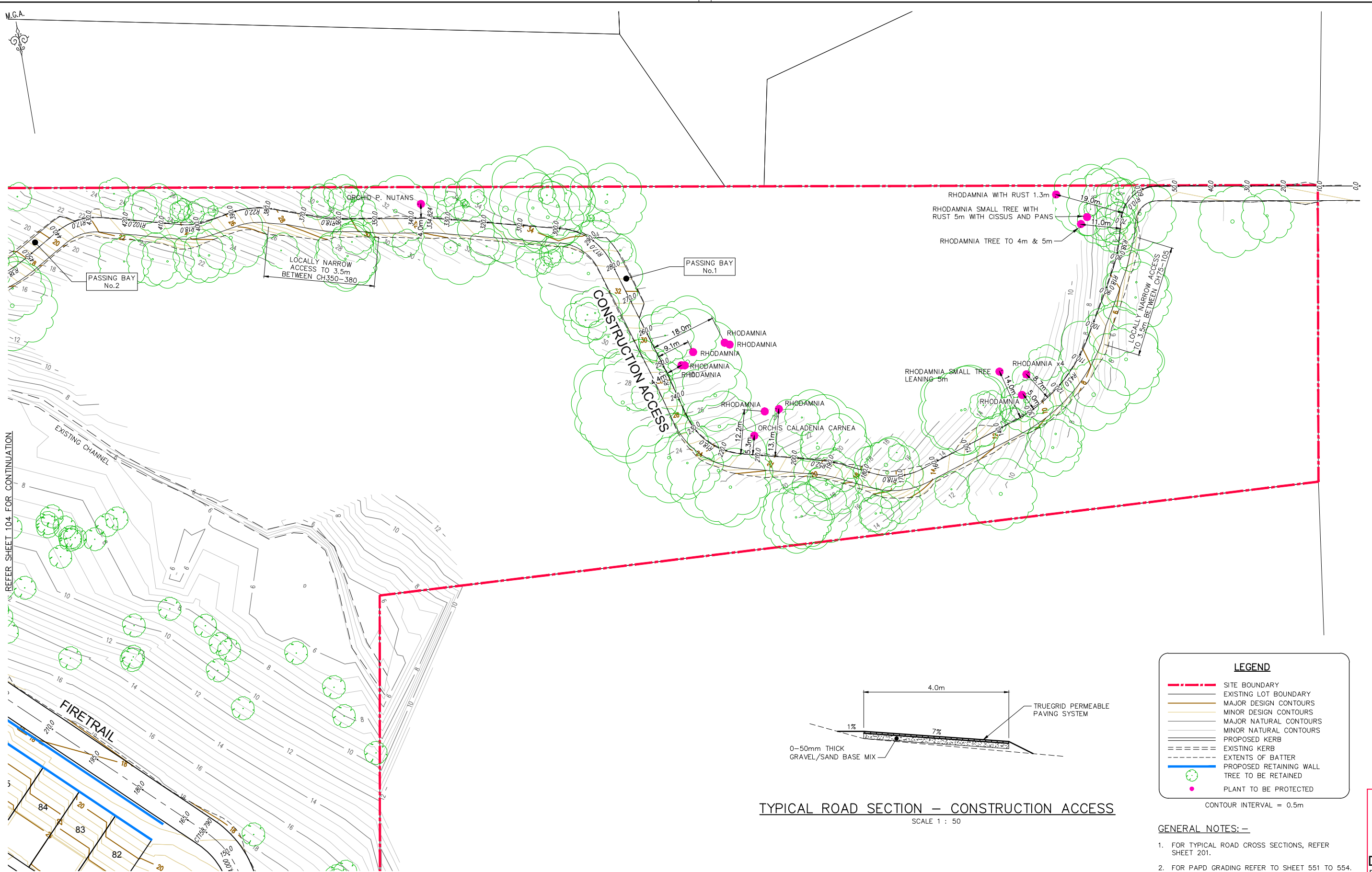
REFER SHEET 103 FOR CONTINUATION

DETAIL PLAN
SCALE 1:500

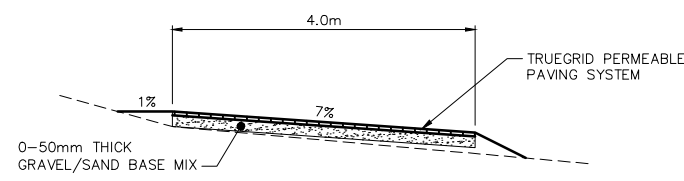


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190587	CENG	104	H																																																																																						



TYPICAL ROAD SECTION – CONSTRUCTION ACCESS
SCALE 1 : 50



LEGEND

- - - - - SITE BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- - - - - EXISTING KERB
- - - - - EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- TREE TO BE RETAINED
- PLANT TO BE PROTECTED

CONTOUR INTERVAL = 0.5m

- GENERAL NOTES: -**
- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.
 - FOR PAPD GRADING REFER TO SHEET 551 TO 554.



NOT FOR CONSTRUCTION

DETAIL PLAN
SCALE 1:500

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	
B	18/10/19	DETAIL ADDED	N.Mc.	N.Mc.	N.D.	N.D.	
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	

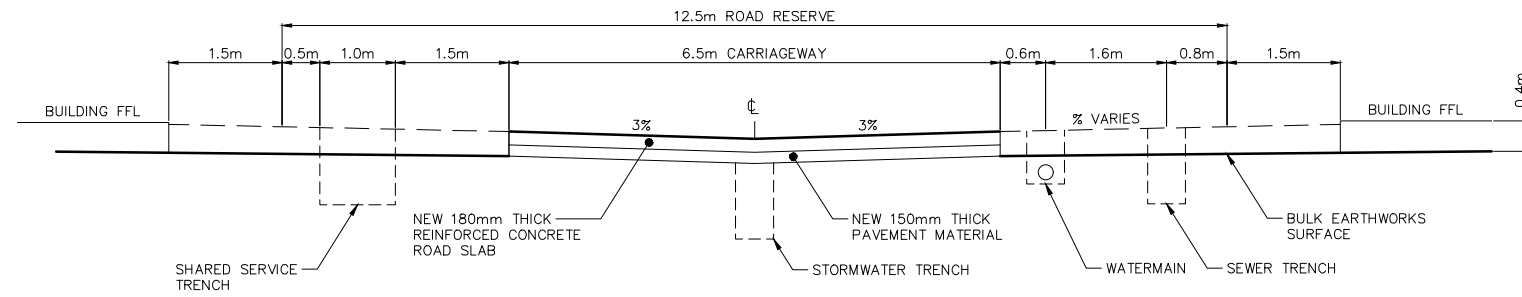
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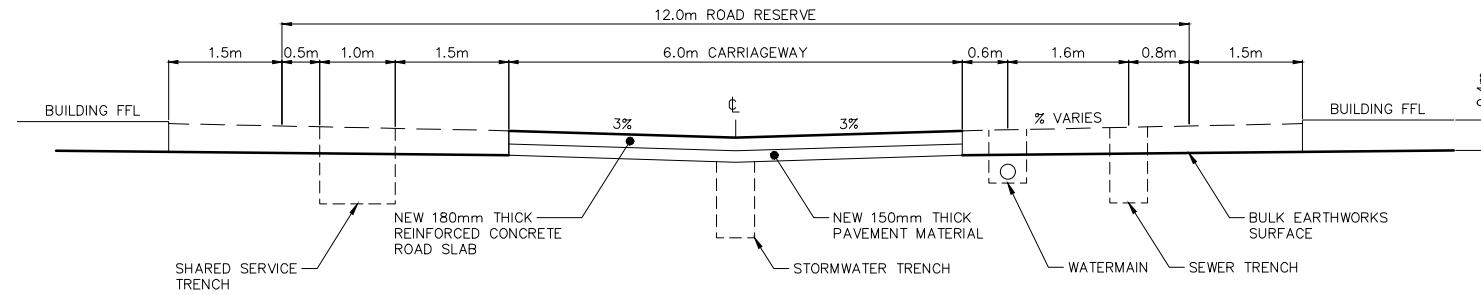
PROPERTY DESCRIPTION
LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER

PROJECT CHOICE LIVING AVOCA			
PLAN TITLE DETAIL PLAN SHEET 5			
SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE - CENG -
		NUMBER 105	REV. H



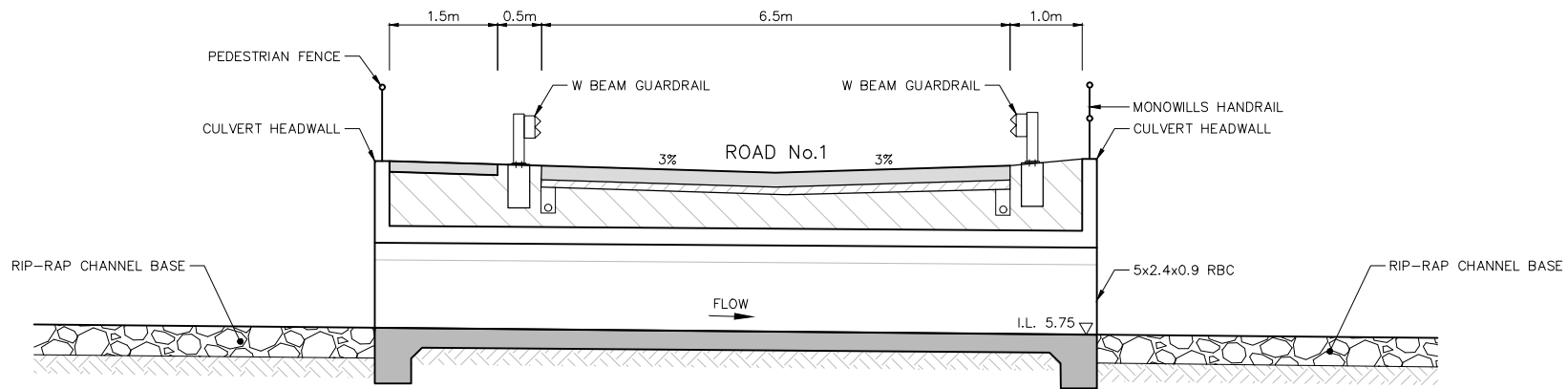
TYPICAL ROAD SECTION – ROAD No.1 & 4

SCALE 1 : 50



TYPICAL ROAD SECTION – ROAD No.2, 3, 5, 6 & 7

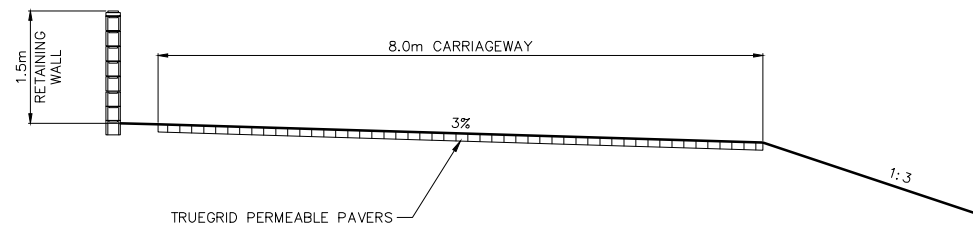
SCALE 1 : 50



TYPICAL ROAD SECTION – ROAD No.1

CH 486 TO CH 498

SCALE 1 : 50



TYPICAL ROAD SECTION – FIRETRAIL

SCALE 1 : 50

100mm AT FULL SIZE
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E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

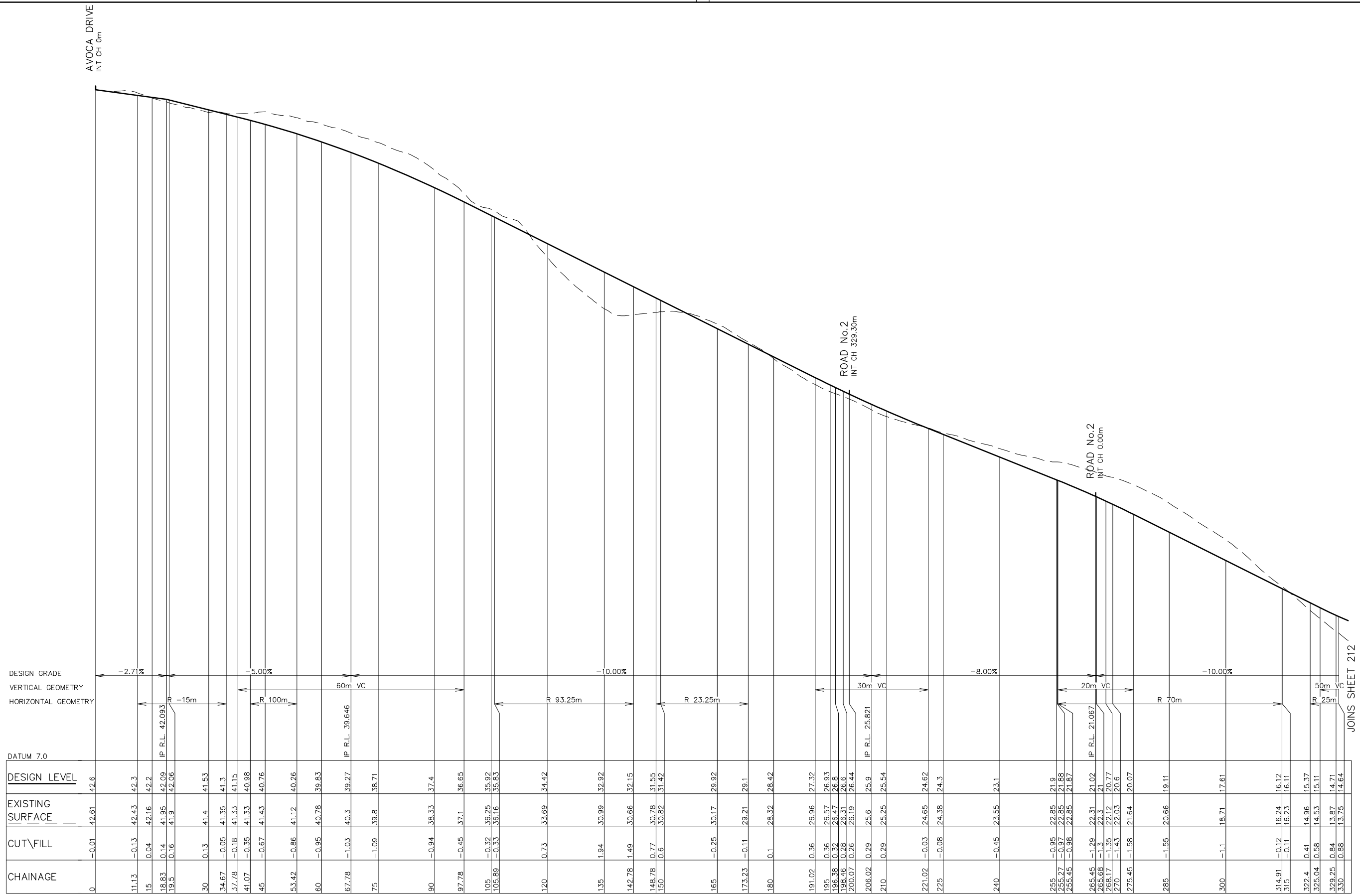
CLIENT
**CHOICE LIVING AVOCA
DEVELOPMENT PTY LTD**

PROPERTY DESCRIPTION
LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER

SURVEYED
MAP & SURVEY

DATUM
A.H.D.

PROJECT	CHOICE LIVING AVOCA		
PLAN TITLE	TYPICAL ROAD PROFILES		
PROJECT No.	190587	DISCIPLINE	CENG
NUMBER	201	REV.	H

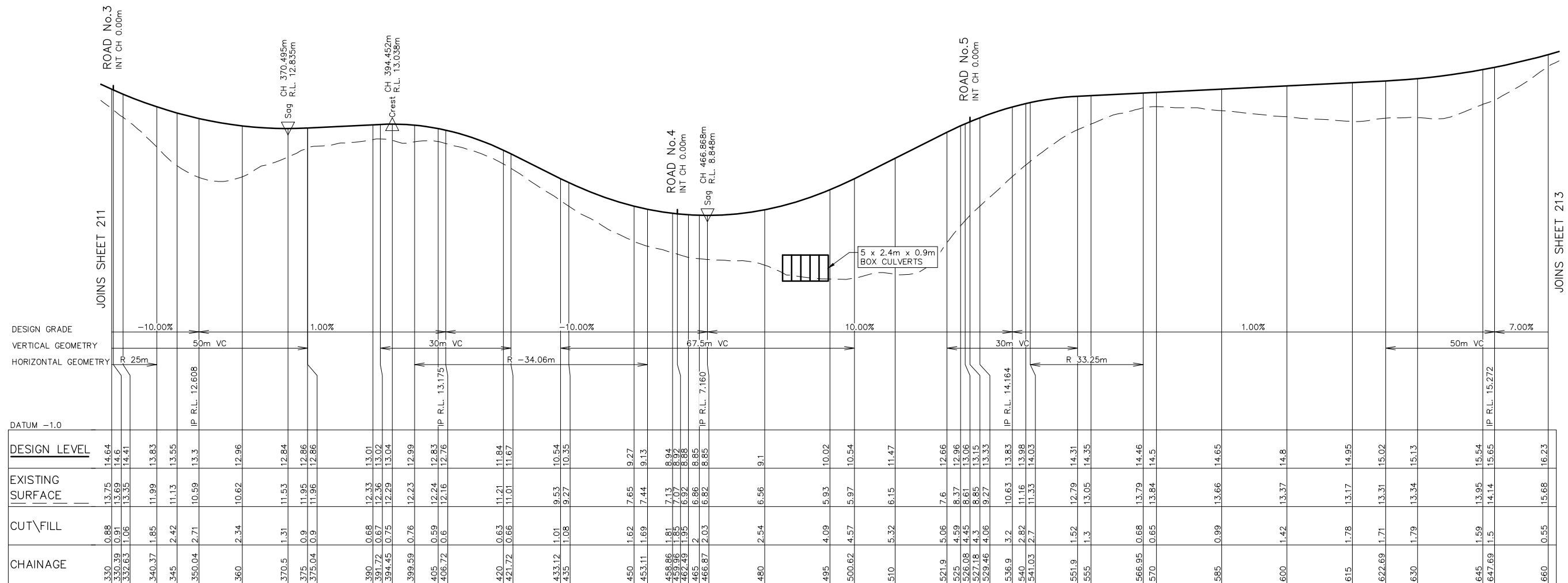


JOINS SHEET 212



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
A	B	C	D	E	F	G	H				PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 1		SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG
	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.	A1 1:500									
	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.										
	25/10/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
	02/12/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.										
	08/11/20	LAYOUT AMENDED	N.M.C.	J.D.	N.D.	N.D.										
	11/11/20	CLIENT AMENDMENTS	N.M.C.	J.D.	N.D.	N.D.										



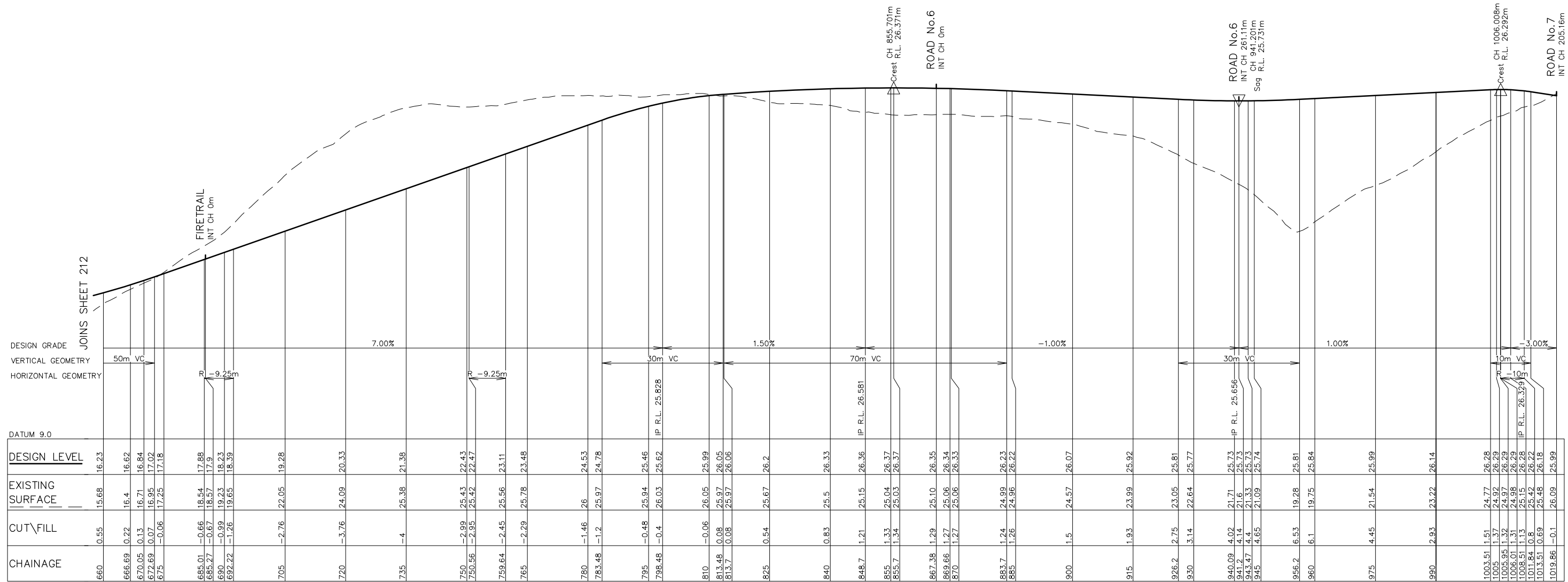
LONGITUDINAL SECTION ROAD No.1

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA								
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 2																				
DESIGN FILE S:\190587\DESIGN\12\SW CONCEPT\CONCEPT_ENG.project ALL DIMENSIONS ARE IN METRES. DO NOT SCALE																				
		SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587 -		DISCIPLINE CENG -		NUMBER 212		REV. H								
A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA								
B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.						PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 2								
C	25/10/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.	DESIGN FILE S:\190587\DESIGN\12\SW CONCEPT\CONCEPT_ENG.project ALL DIMENSIONS ARE IN METRES. DO NOT SCALE													
D	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA								
E	02/12/19	GENERAL AMENDMENT	N.M.C.	J.D.	N.D.	N.D.	PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 2													
F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA								
G	06/11/20	LAYOUT AMENDED	J.D.	J.D.	N.D.	N.D.						Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA					
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.			PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 2											
		SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587 -		DISCIPLINE CENG -		NUMBER 212		REV. H								



LONGITUDINAL SECTION ROAD No.1

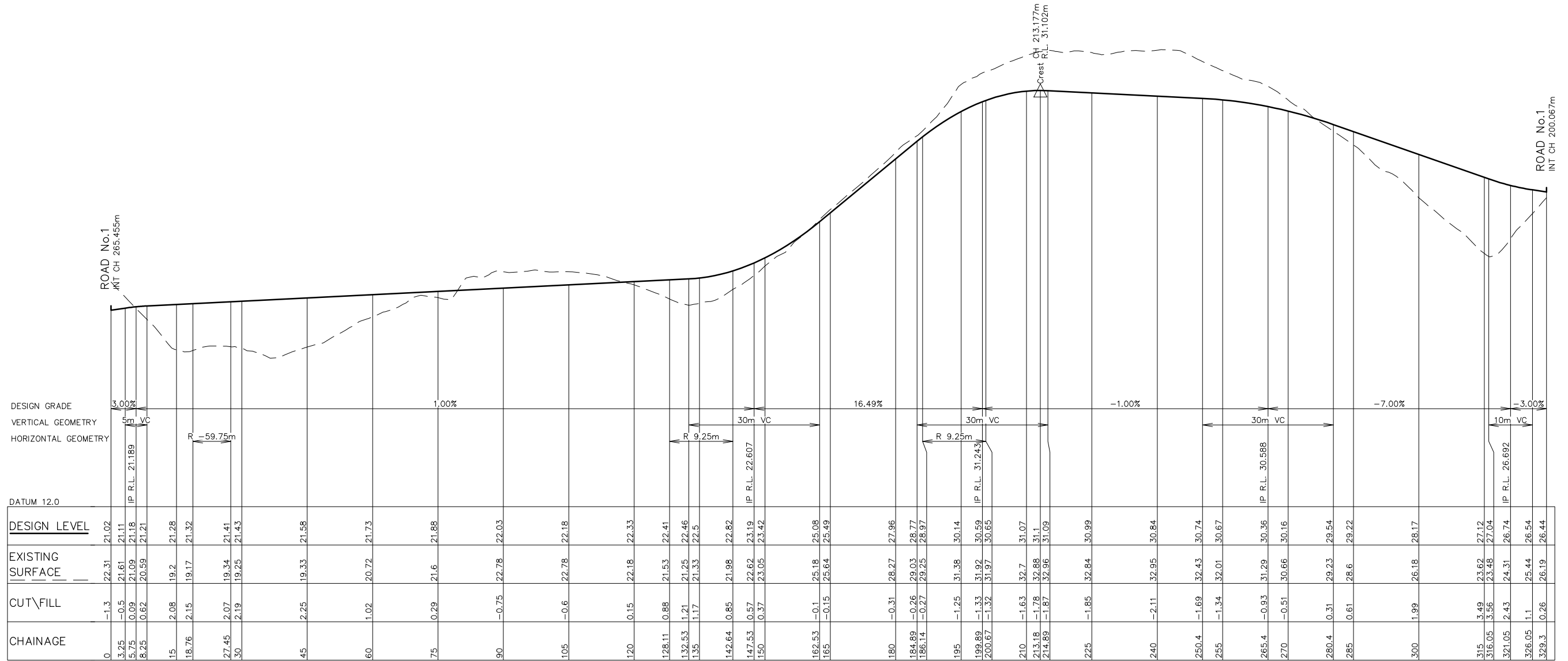
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT			
LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		CHOICE LIVING AVOCA ROAD LONGITUDINAL SECTIONS ROAD No.1 SHEET 3														
A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.	A1 1:500				SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.
B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.	A1 1:100				MAP & SURVEY	A.H.D.	190587	CENG	213	H
C	25/10/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
D	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
E	02/12/19	GENERAL AMENDMENT	N.M.C.	J.D.	N.D.	N.D.										
F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.										
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.										

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



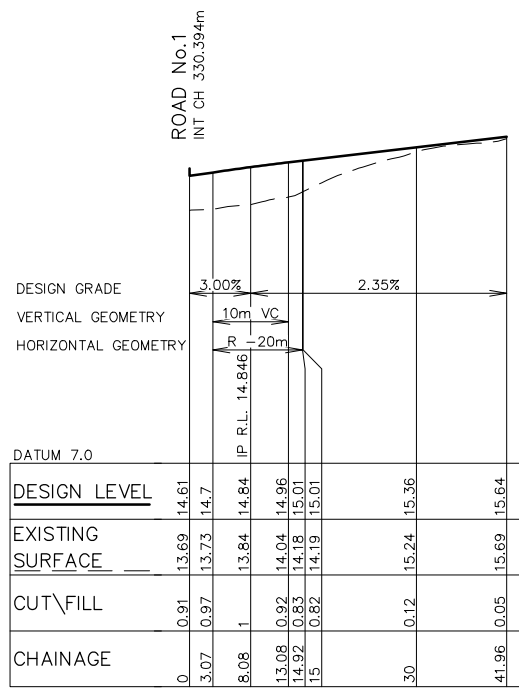
LONGITUDINAL SECTION ROAD No.2

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA					
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.2																	
		SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587		DISCIPLINE CENG		NUMBER 215		REV. H					
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:500					PROJECT CHOICE LIVING AVOCA					
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.						PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.2					
C	25/10/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.						SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.						DISCIPLINE CENG		NUMBER 215		REV. H	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.											
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.											
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.											
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.											



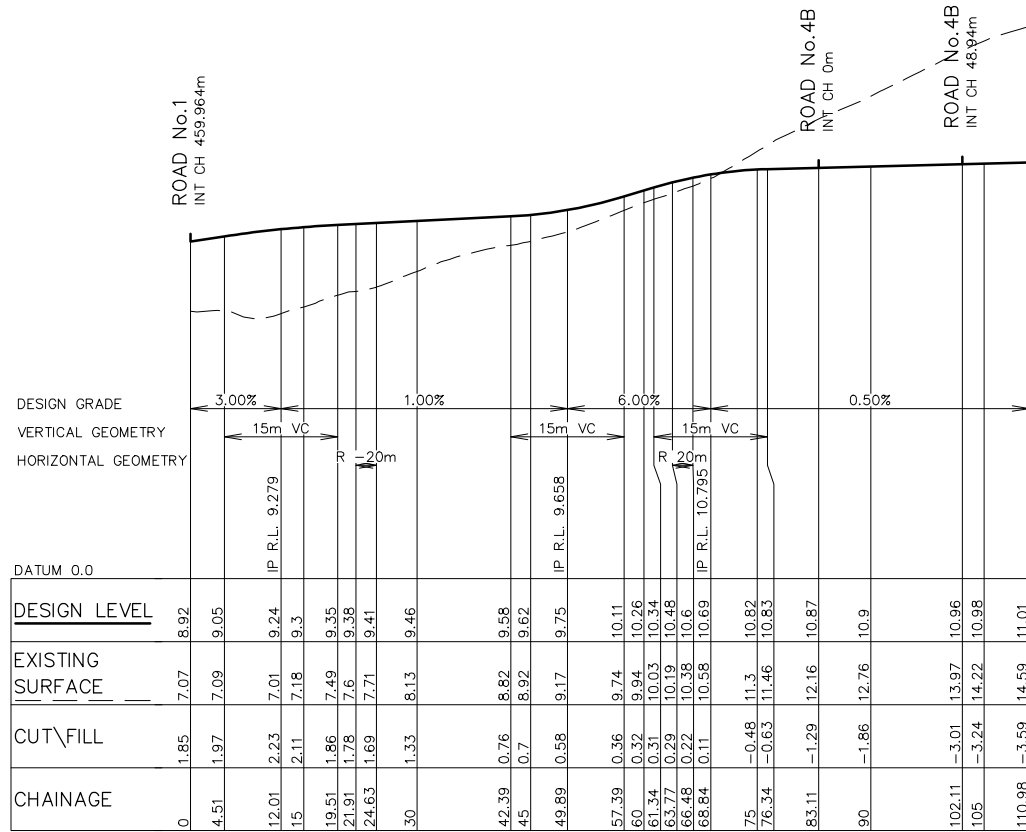
LONGITUDINAL SECTION ROAD No.3

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

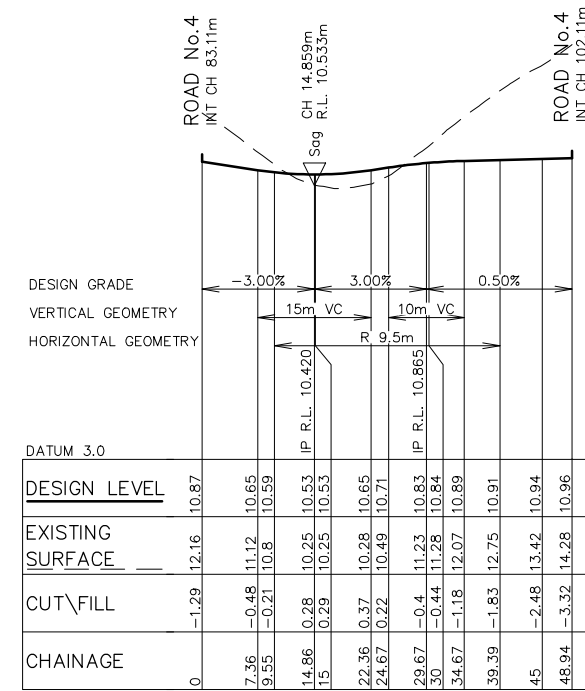


NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA				
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.3																	
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:500					SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 216	REV. H
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	A3 1:1000										
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	A1 1:500										
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	A1 1:500										
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	A1 1:500										
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	A1 1:500										
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	A1 1:500										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	A1 1:500										



LONGITUDINAL SECTION ROAD No.4
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

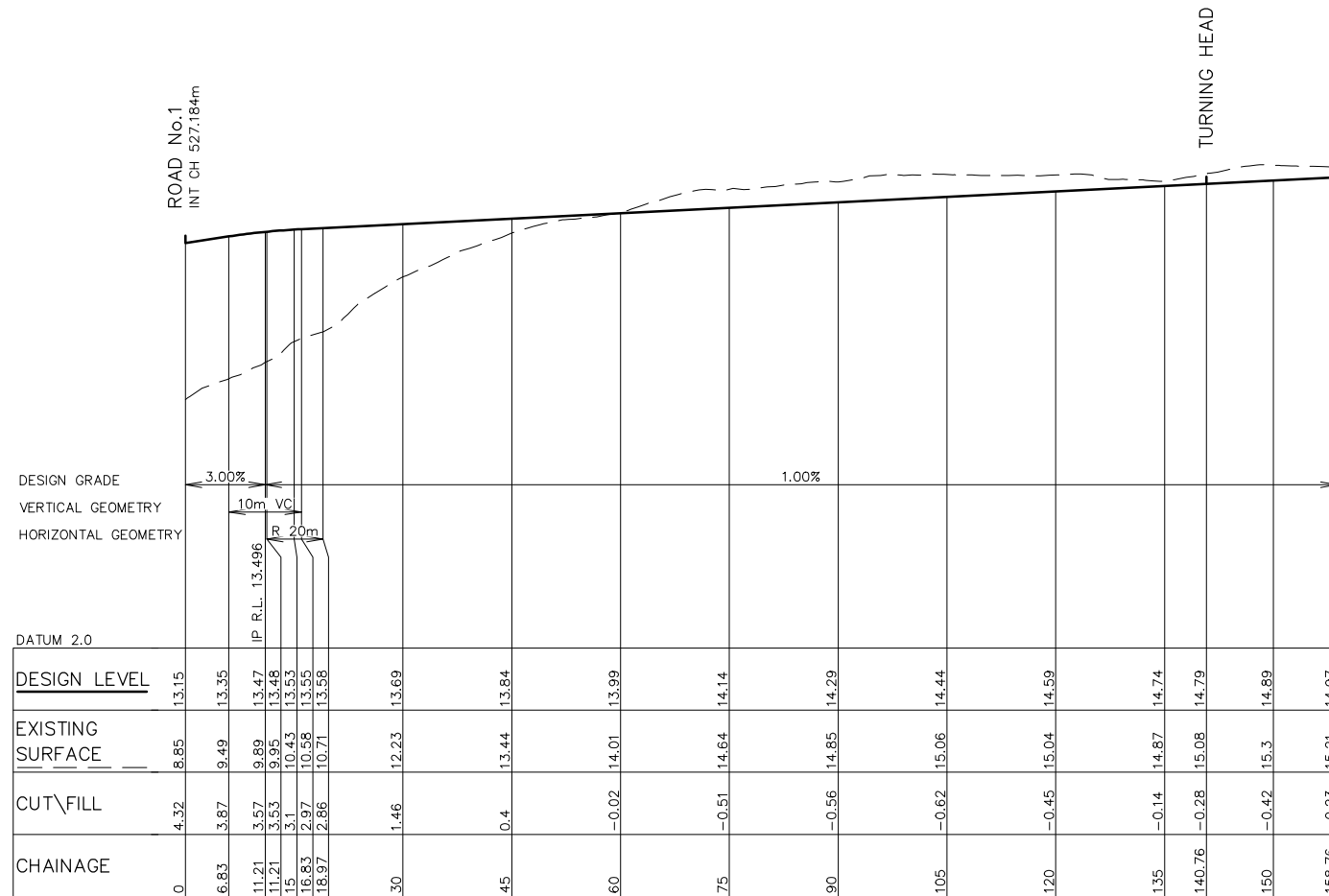


LONGITUDINAL SECTION ROAD No.4B
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.4 & No.4B																
A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.	A1 0 12.5 25.0m A3 1:1000				SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 217	REV. H
B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.										
C	25/10/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
D	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.										
E	02/12/19	GENERAL AMENDMENT	N.M.C.	J.D.	N.D.	N.D.										
F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.										
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.										



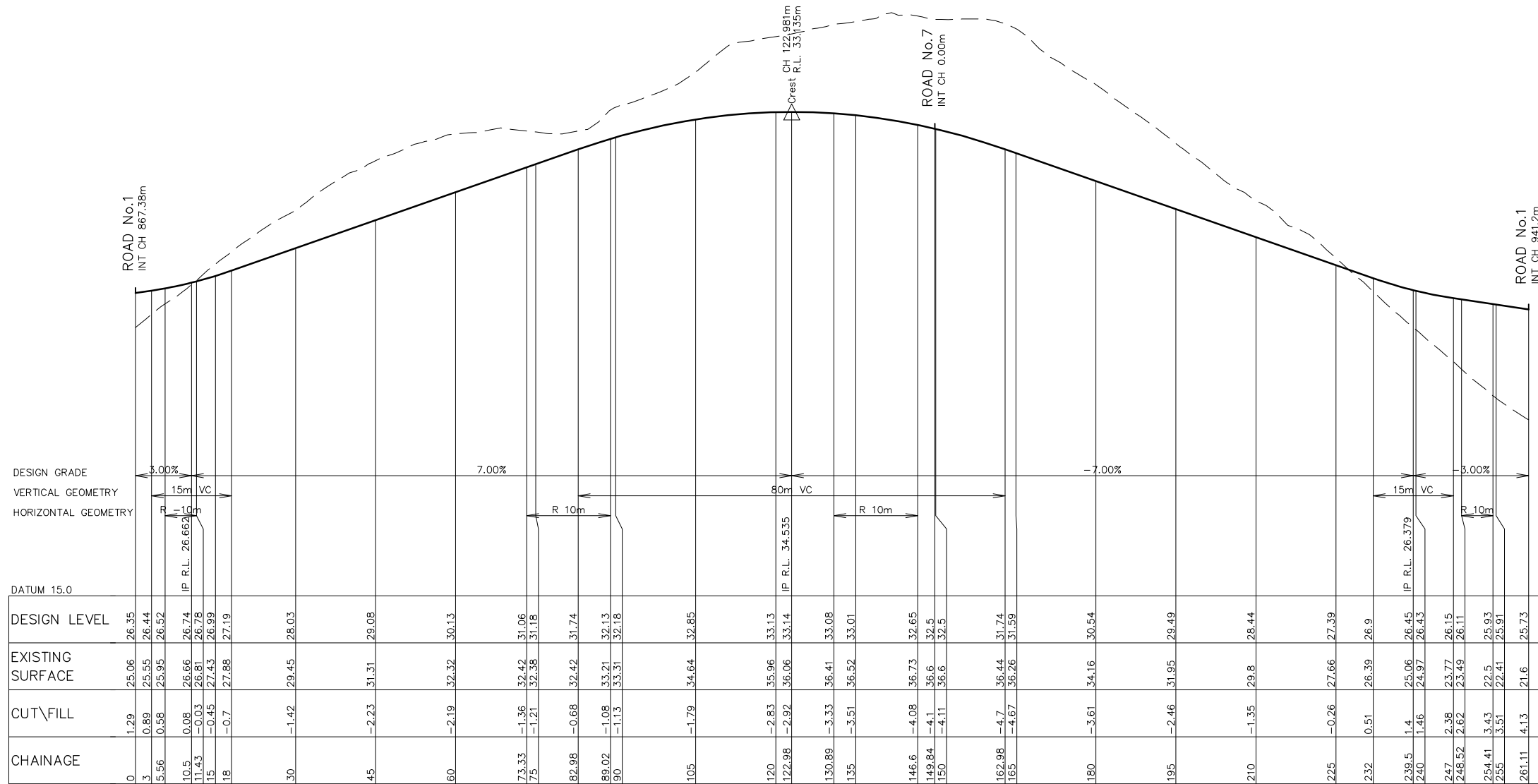
LONGITUDINAL SECTION ROAD No.5

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA				
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.5																	
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B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	A1 0 2.5 5.0m A3 1:200										
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.											
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.											
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.											
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.											
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.											
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.											

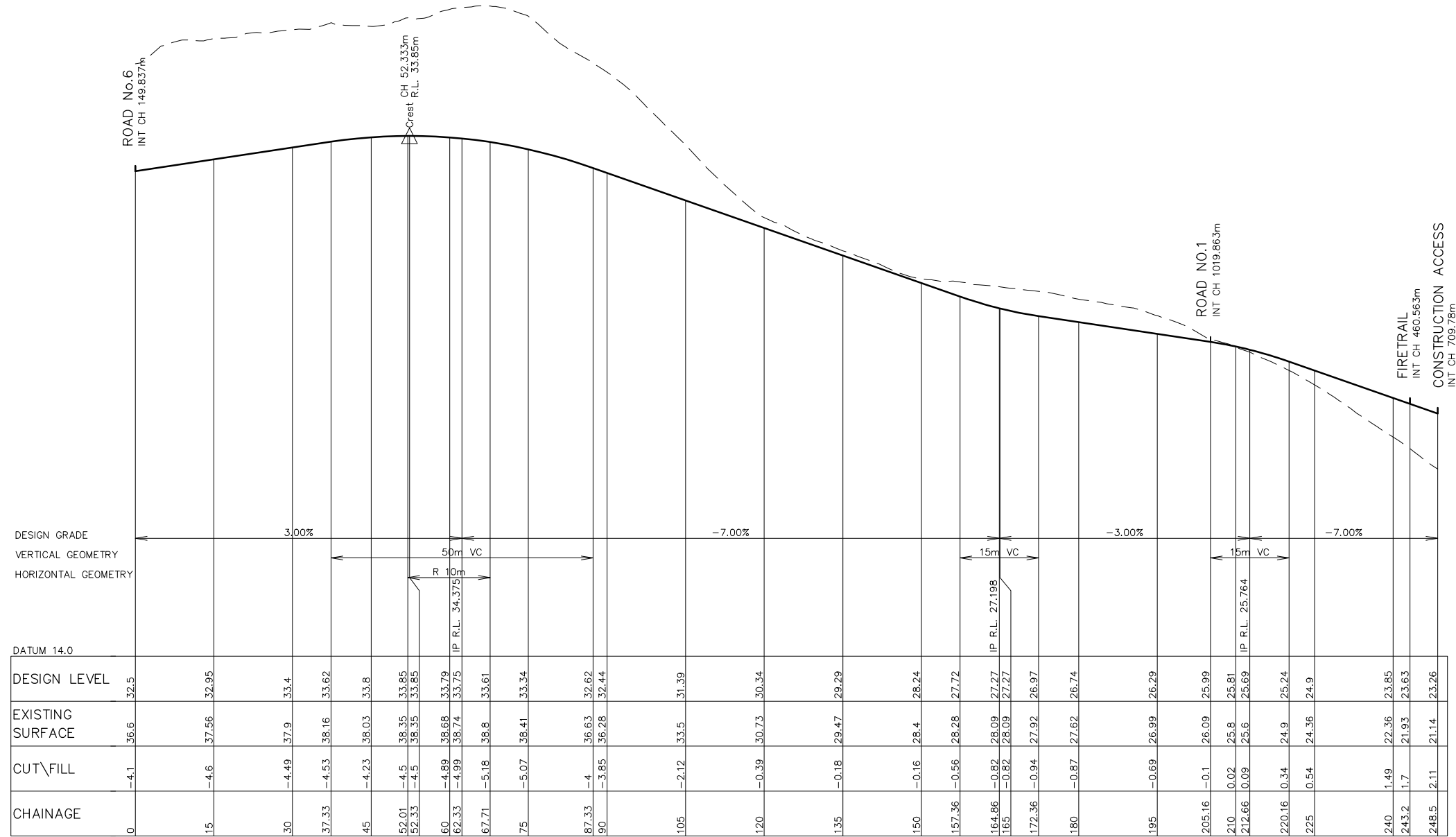


LONGITUDINAL SECTION ROAD NO.6
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DESIGN</th> <th>DRAWN</th> <th>CHECKED</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr><td>A</td><td>16/10/19</td><td>PRELIMINARY ISSUE</td><td>N.M.C.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>B</td><td>18/10/19</td><td>DETAIL ADDED</td><td>N.M.C.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>C</td><td>25/10/19</td><td>GENERAL AMENDMENT</td><td>N.M.C.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>D</td><td>04/11/19</td><td>GENERAL AMENDMENT</td><td>N.M.C.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>E</td><td>02/12/19</td><td>GENERAL AMENDMENT</td><td>N.M.C.</td><td>J.D.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>F</td><td>03/03/20</td><td>CAR WASH ADDED</td><td>N.M.C.</td><td>J.D.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>G</td><td>06/11/20</td><td>LAYOUT AMENDED</td><td>J.D.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>H</td><td>11/11/20</td><td>CLIENT AMENDMENTS</td><td>J.D.</td><td>J.D.</td><td>N.D.</td><td>N.D.</td></tr> </tbody> </table>	REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.	B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.	C	25/10/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.	D	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.	E	02/12/19	GENERAL AMENDMENT	N.M.C.	J.D.	N.D.	N.D.	F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.	G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	<p>DESIGN FILE S:\190587\DESIGN\120\SW CONCEPT\CONCEPT_ENG.project</p> <p>ALL DIMENSIONS ARE IN METRES. DO NOT SCALE</p>			<p>Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD</p>	<p>PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER</p>	<p>PROJECT CHOICE LIVING AVOCA</p>	<p>PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.6</p>	<table border="1"> <tr> <th>SURVEYED</th> <th>DATUM</th> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>MAP & SURVEY</td> <td>A.H.D.</td> <td>190587</td> <td>CENG</td> <td>219</td> <td>H</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	MAP & SURVEY	A.H.D.	190587	CENG	219	H
REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED																																																																														
A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.																																																																														
B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.																																																																														
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F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.																																																																														
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.																																																																														
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.																																																																														
SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.																																																																															
MAP & SURVEY	A.H.D.	190587	CENG	219	H																																																																															

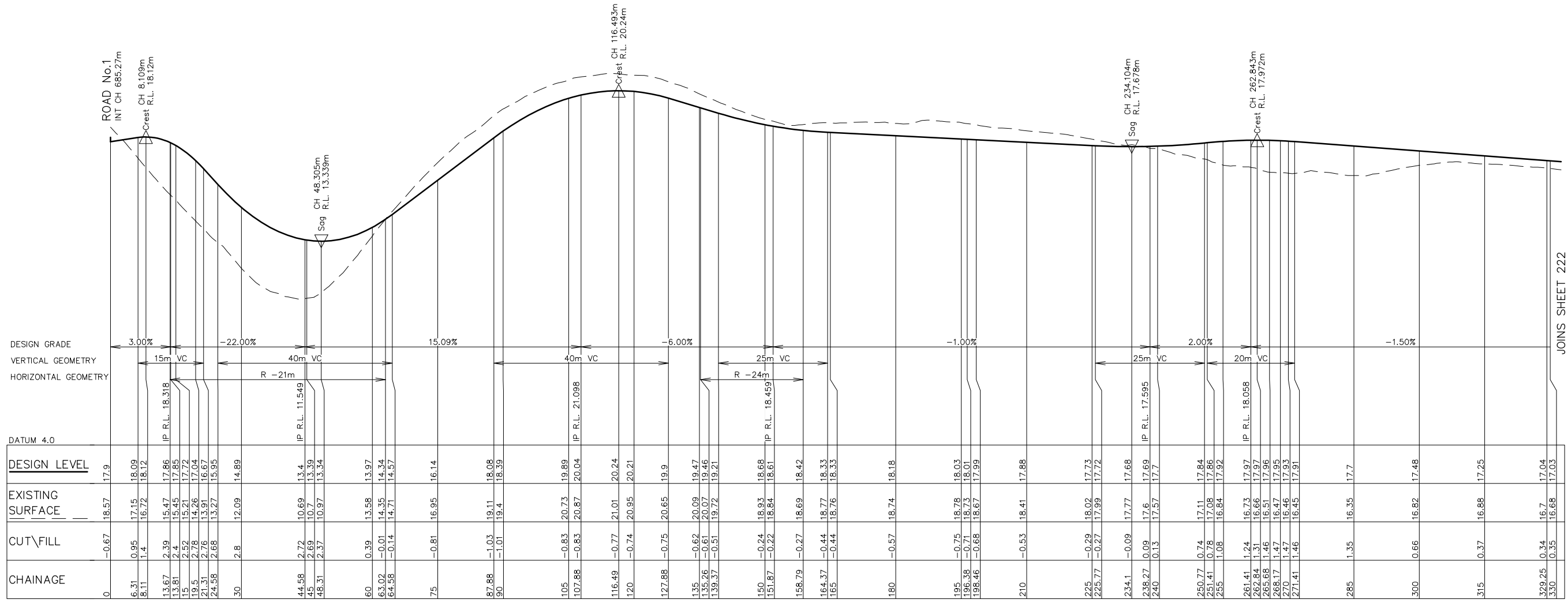


LONGITUDINAL SECTION ROAD NO.7
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA						
PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.7																		
		SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587		DISCIPLINE CENG		NUMBER 220		REV. H						
A	16/10/19	PRELIMINARY ISSUE	N.M.c.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA						
B	18/10/19	DETAIL ADDED	N.M.c.	S.Z.	N.D.	N.D.						PLAN TITLE ROAD LONGITUDINAL SECTIONS ROAD No.7						
C	25/10/19	GENERAL AMENDMENT	N.M.c.	N.M.c.	N.D.	N.D.												
D	04/11/19	GENERAL AMENDMENT	N.M.c.	S.Z.	N.D.	N.D.												
E	02/12/19	GENERAL AMENDMENT	N.M.c.	J.D.	N.D.	N.D.												
F	03/03/20	CAR WASH ADDED	N.M.c.	J.D.	N.D.	N.D.												
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.												
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.												



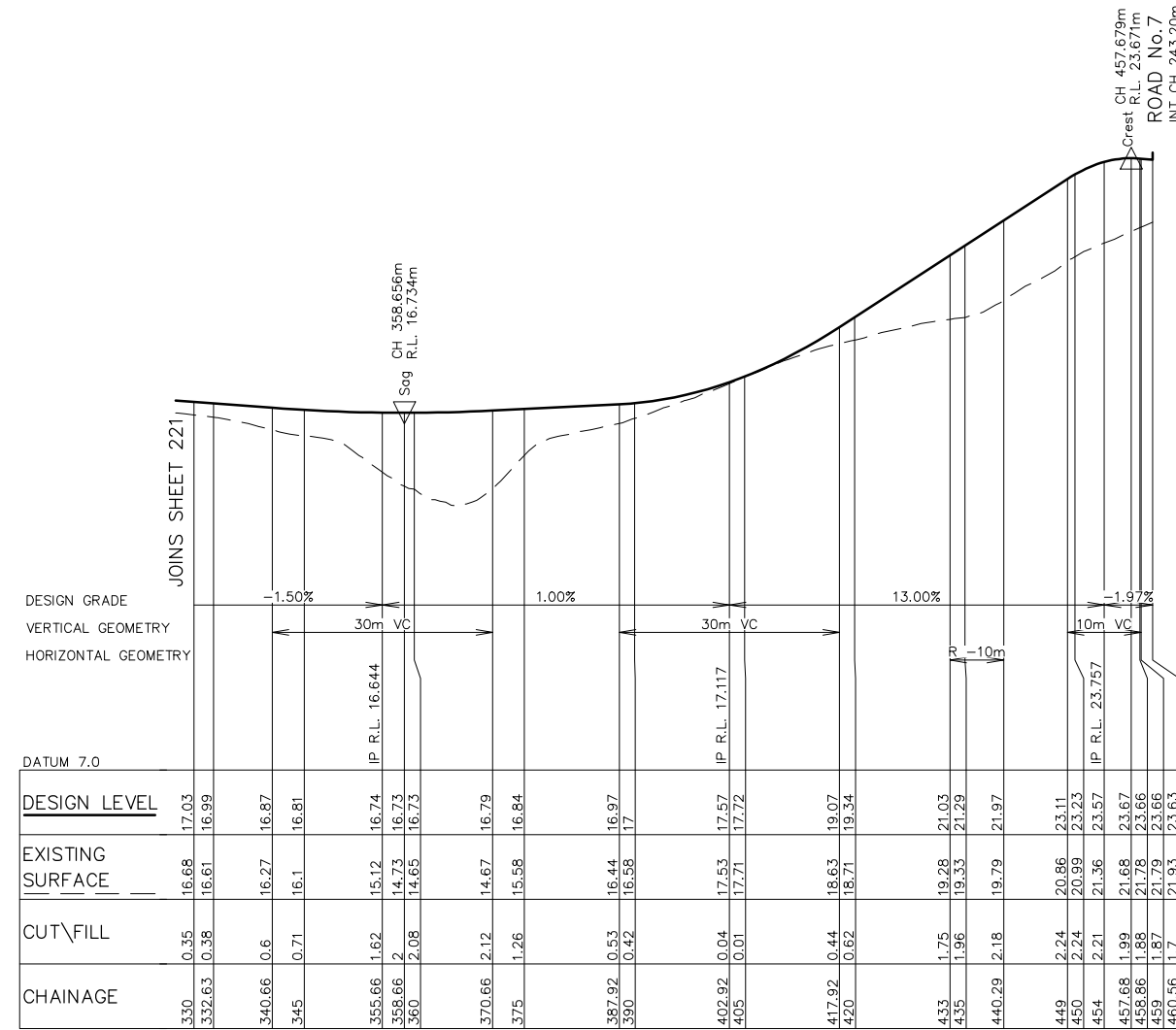
LONGITUDINAL SECTION FIRETRAIL
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

JOINS SHEET 222



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION		PROJECT		
						LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER					CHOICE LIVING AVOCA				
A	16/10/19	PRELIMINARY ISSUE	N.M.C.	S.Z.	N.D.	N.D.				PLAN TITLE ROAD LONGITUDINAL SECTIONS FIRETRAIL SHEET 1		PROJECT No. 190587	DISCIPLINE CENG	NUMBER 221	REV. H
B	18/10/19	DETAIL ADDED	N.M.C.	S.Z.	N.D.	N.D.				SURVEYED MAP & SURVEY					
C	25/10/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.	PROJECT No. 190587		DISCIPLINE CENG		NUMBER 221		REV. H		
D	04/11/19	GENERAL AMENDMENT	N.M.C.	S.Z.	N.D.	N.D.	PROJECT No. 190587		DISCIPLINE CENG		NUMBER 221		REV. H		
E	02/12/19	GENERAL AMENDMENT	N.M.C.	J.D.	N.D.	N.D.	PROJECT No. 190587		DISCIPLINE CENG		NUMBER 221		REV. H		
F	03/03/20	CAR WASH ADDED	N.M.C.	J.D.	N.D.	N.D.	PROJECT No. 190587		DISCIPLINE CENG		NUMBER 221		REV. H		
G	06/11/20	LAYOUT AMENDED	N.M.C.	S.Z.	N.D.	N.D.	PROJECT No. 190587		DISCIPLINE CENG		NUMBER 221		REV. H		
H	11/11/20	CLIENT AMENDMENTS	N.M.C.	J.D.	N.D.	N.D.	PROJECT No. 190587		DISCIPLINE CENG		NUMBER 221		REV. H		



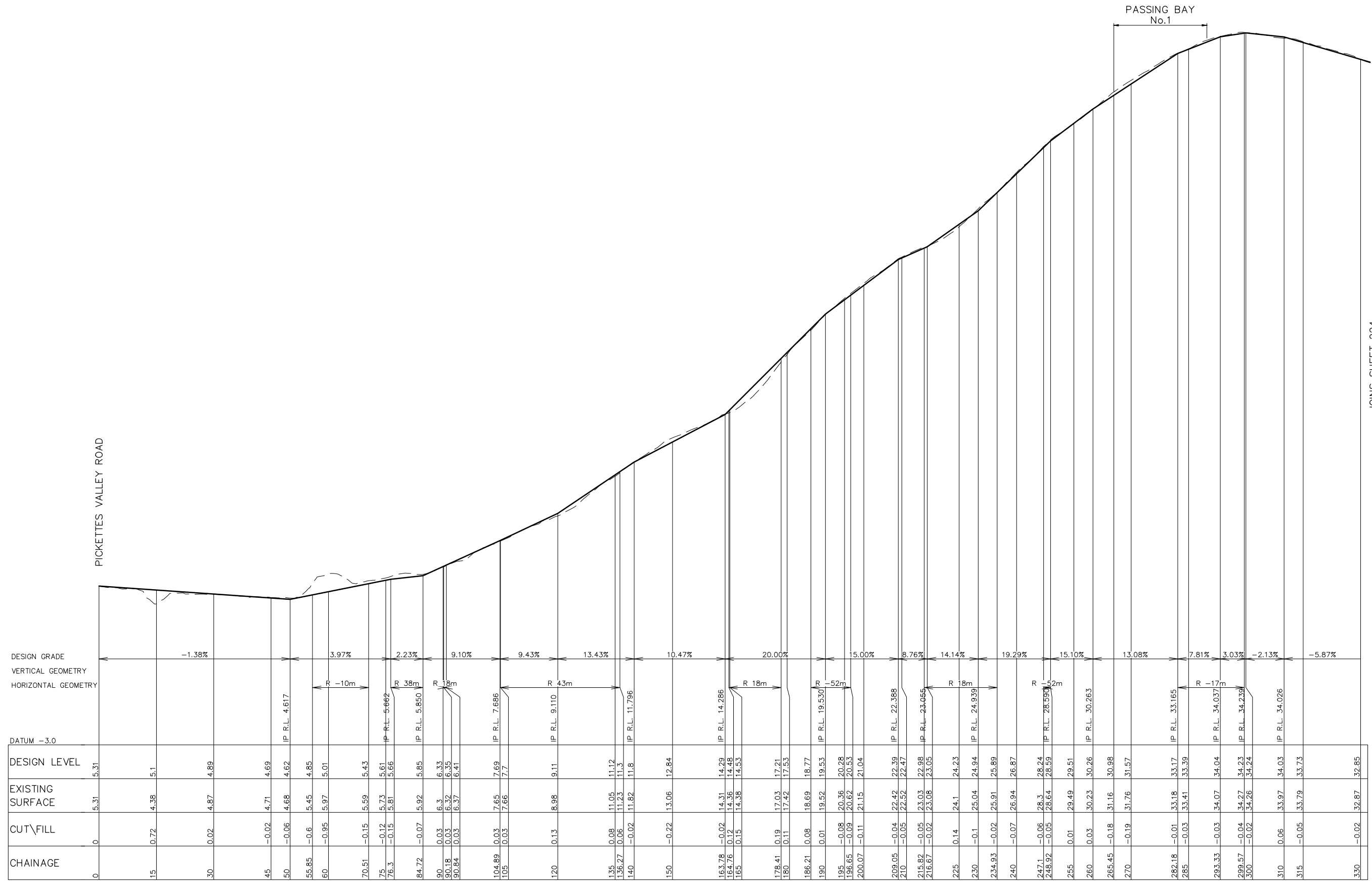
LONGITUDINAL SECTION FIRETRAIL
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



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PLAN TITLE ROAD LONGITUDINAL SECTIONS FIRETRAIL SHEET 2																	
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:500					SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 222	REV. H
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	A3 1:1000										
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	A1 1:100										
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.											
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.											
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.											
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.											
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.											

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



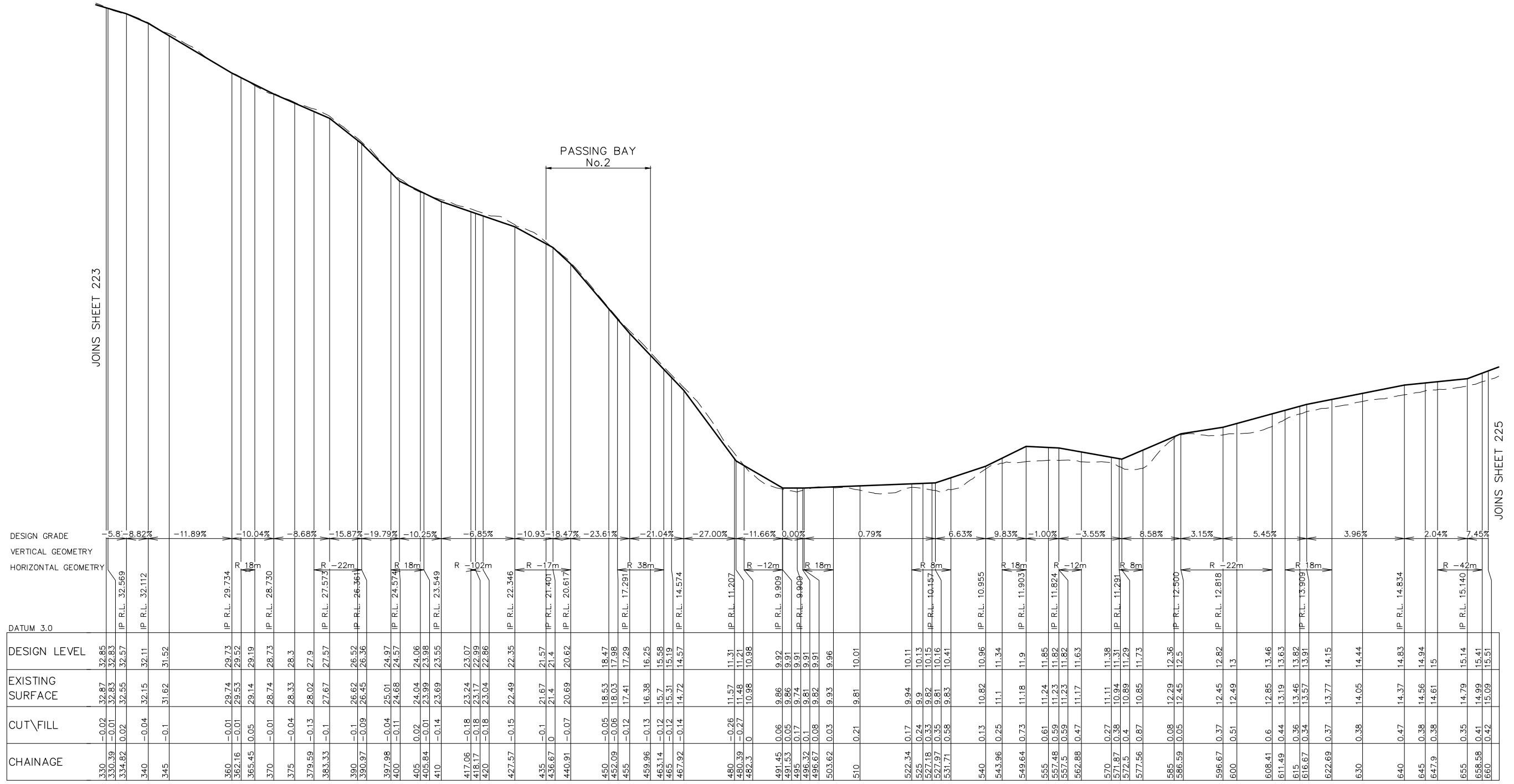
LONGITUDINAL SECTION CONSTRUCTION ACCESS

HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

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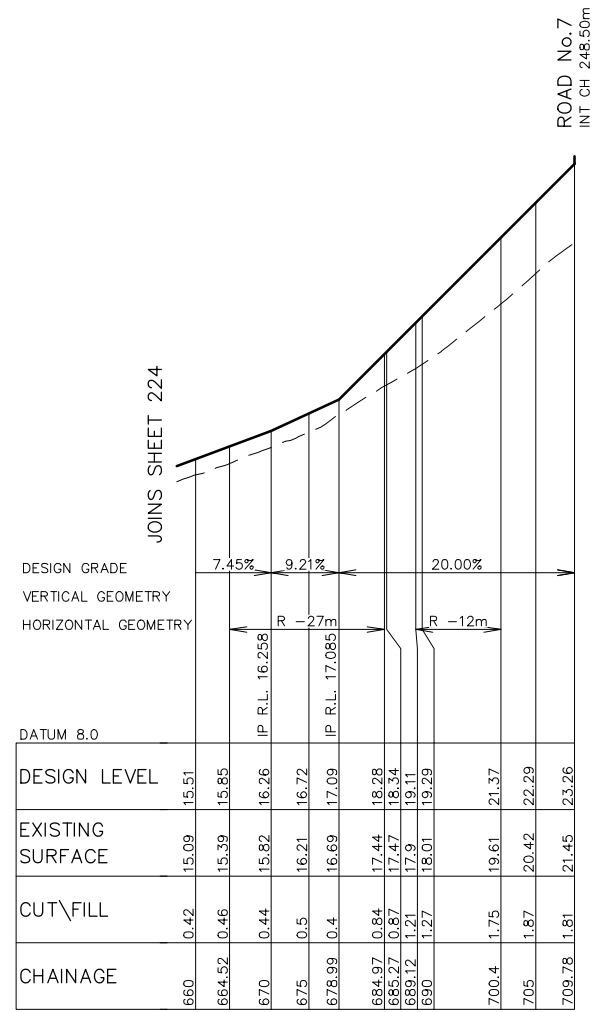


LONGITUDINAL SECTION CONSTRUCTION ACCESS
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



NOT FOR CONSTRUCTION

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MAP & SURVEY	A.H.D.	190587	CENG	224	H																																																																																				



ROAD No.7
INT CH 248.50m

LONGITUDINAL SECTION CONSTRUCTION ACCESS
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



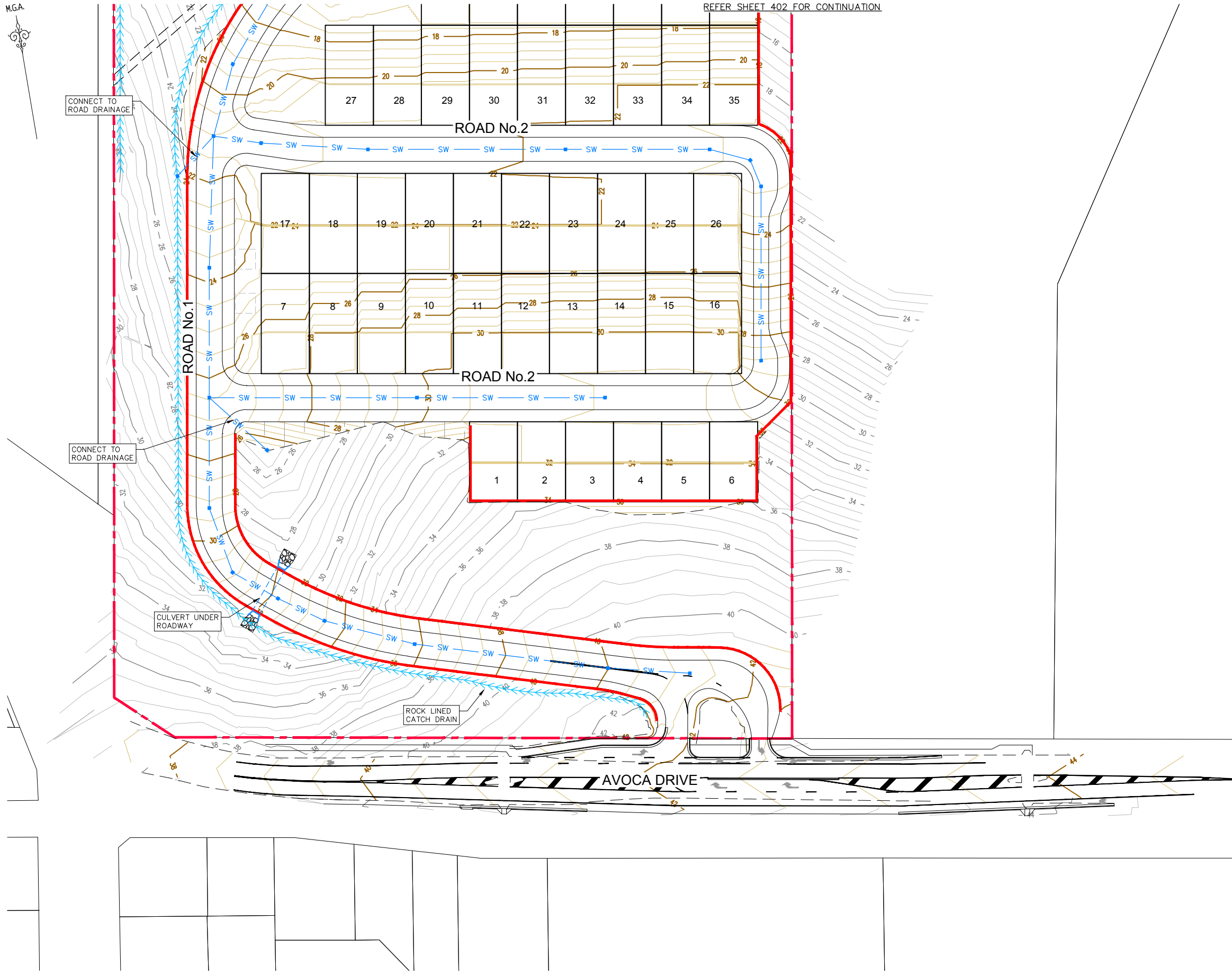
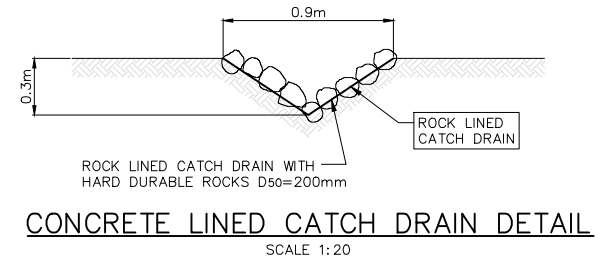
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PLAN TITLE ROAD LONGITUDINAL SECTIONS CONSTRUCTION ACCESS SHEET 3																			
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A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA							
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C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.						SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587	DISCIPLINE CENG	NUMBER 225	REV. H
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.													
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.													
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.													
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.													
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.													

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER
- SW
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- PROPOSED CATCH DRAIN

CONTOUR INTERVAL = 0.5m



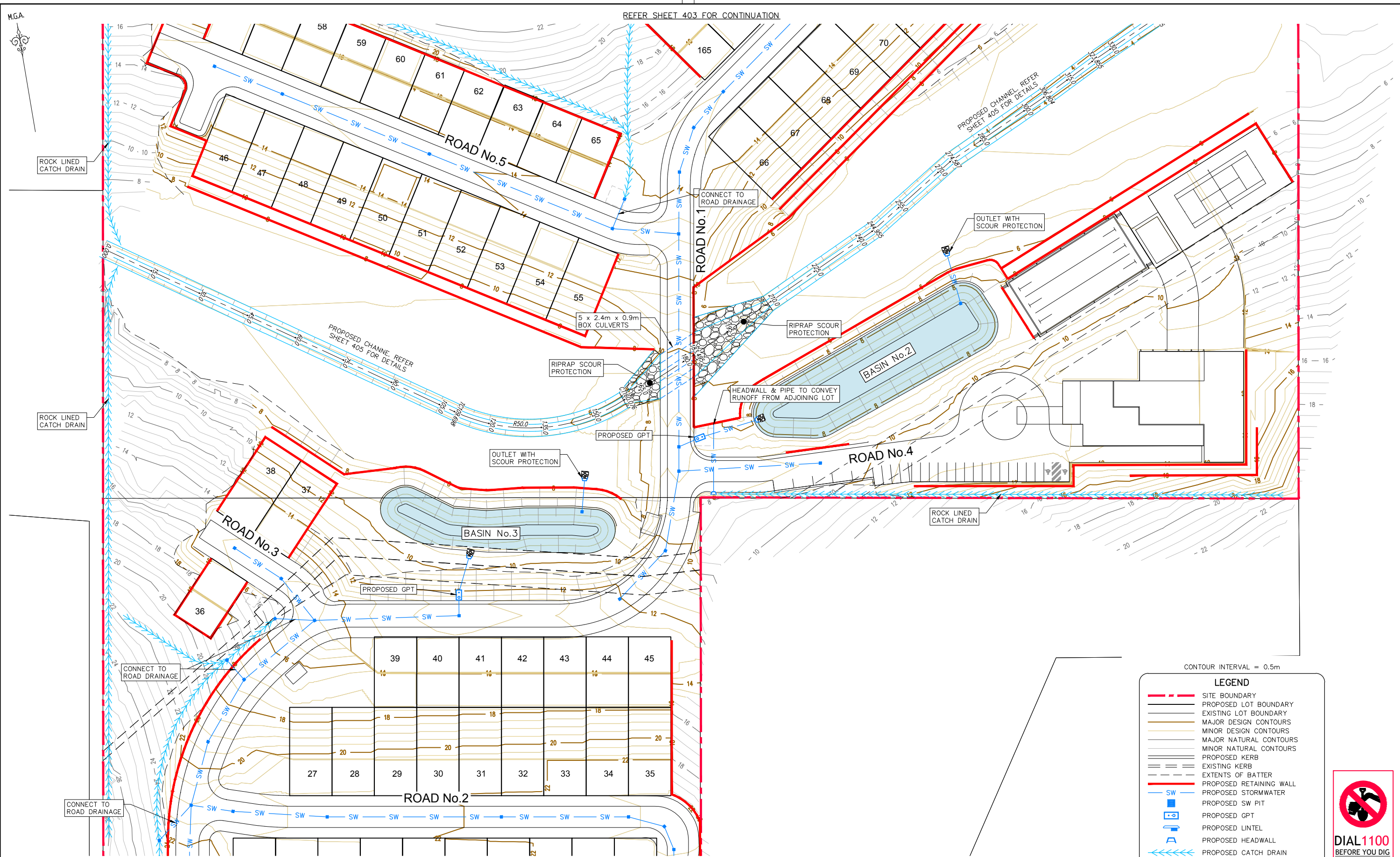
CONCEPT STORMWATER LAYOUT
SCALE 1:500



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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
PLAN TITLE CONCEPT STORMWATER LAYOUT SHEET 1														
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.					PLAN TITLE CONCEPT STORMWATER LAYOUT SHEET 1			
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.					PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.					PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.					PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.					PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.					PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.					PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA	
DESIGN FILE S:\190587\DESIGN\12\SW CONCEPT\CONCEPT_ENG.project Plotted By: Jeremy Dick Plot Date: 12/11/20 10:13:13AM Cad File: S:\190587\DRAWINGS\ENG\CENG\190587-CENG-401.DWG			ALL DIMENSIONS ARE IN METRES. DO NOT SCALE			SURVEYED MAP & SURVEY DATUM A.H.D.		PROJECT No. 190587 - DISCIPLINE CENG - NUMBER 401 - REV. H						



REFER SHEET 403 FOR CONTINUATION
CONCEPT STORMWATER LAYOUT
 SCALE 1:500
 REFER SHEET 401 FOR CONTINUATION

CONTOUR INTERVAL = 0.5m

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- SW PROPOSED STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- PROPOSED CATCH DRAIN



NOT FOR CONSTRUCTION

<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>AMENDMENT</th> <th>DESIGN</th> <th>DRAWN</th> <th>CHECKED</th> <th>APPROVED</th> <th>SCALES</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>16/10/19</td> <td>PRELIMINARY ISSUE</td> <td>N.M.c.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td>A1 1:500</td> </tr> <tr> <td>B</td> <td>18/10/19</td> <td>DETAIL ADDED</td> <td>N.M.c.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td>A3 1:1000</td> </tr> <tr> <td>C</td> <td>25/10/19</td> <td>GENERAL AMENDMENT</td> <td>N.M.c.</td> <td>N.M.c.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>D</td> <td>04/11/19</td> <td>GENERAL AMENDMENT</td> <td>N.M.c.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>E</td> <td>02/12/19</td> <td>GENERAL AMENDMENT</td> <td>N.M.c.</td> <td>J.D.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>F</td> <td>03/03/20</td> <td>CAR WASH ADDED</td> <td>N.M.c.</td> <td>J.D.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>G</td> <td>06/11/20</td> <td>LAYOUT AMENDED</td> <td>J.D.</td> <td>S.Z.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> <tr> <td>H</td> <td>11/11/20</td> <td>CLIENT AMENDMENTS</td> <td>J.D.</td> <td>J.D.</td> <td>N.D.</td> <td>N.D.</td> <td></td> </tr> </tbody> </table>		REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES	A	16/10/19	PRELIMINARY ISSUE	N.M.c.	S.Z.	N.D.	N.D.	A1 1:500	B	18/10/19	DETAIL ADDED	N.M.c.	S.Z.	N.D.	N.D.	A3 1:1000	C	25/10/19	GENERAL AMENDMENT	N.M.c.	N.M.c.	N.D.	N.D.		D	04/11/19	GENERAL AMENDMENT	N.M.c.	S.Z.	N.D.	N.D.		E	02/12/19	GENERAL AMENDMENT	N.M.c.	J.D.	N.D.	N.D.		F	03/03/20	CAR WASH ADDED	N.M.c.	J.D.	N.D.	N.D.		G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.		H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.		<p>Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>		<p>CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD</p>		<p>PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER</p>		<p>PROJECT CHOICE LIVING AVOCA</p>	
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<p>DESIGN FILE S:\190587\DESIGN\12D\SW CONCEPT\CONCEPT_ENG.project</p>						<p>ALL DIMENSIONS ARE IN METRES. DO NOT SCALE</p>		<p>PLAN TITLE CONCEPT STORMWATER LAYOUT SHEET 2</p>		<p>PROJECT No. 190587</p>		<p>DISCIPLINE CENG</p>		<p>NUMBER 402</p>		<p>REV. H</p>																																																																	
<p>Plotted By: Jeremy Dick Plot Date: 12/11/20 10:13:22AM Cad File: S:\190587\DRAWINGS\ENG\CENG\190587-CENG-402.DWG</p>								<p>SURVEYED MAP & SURVEY</p>		<p>DATUM A.H.D.</p>		<p>PROJECT No. 190587</p>		<p>DISCIPLINE CENG</p>		<p>NUMBER 402</p>		<p>REV. H</p>																																																															

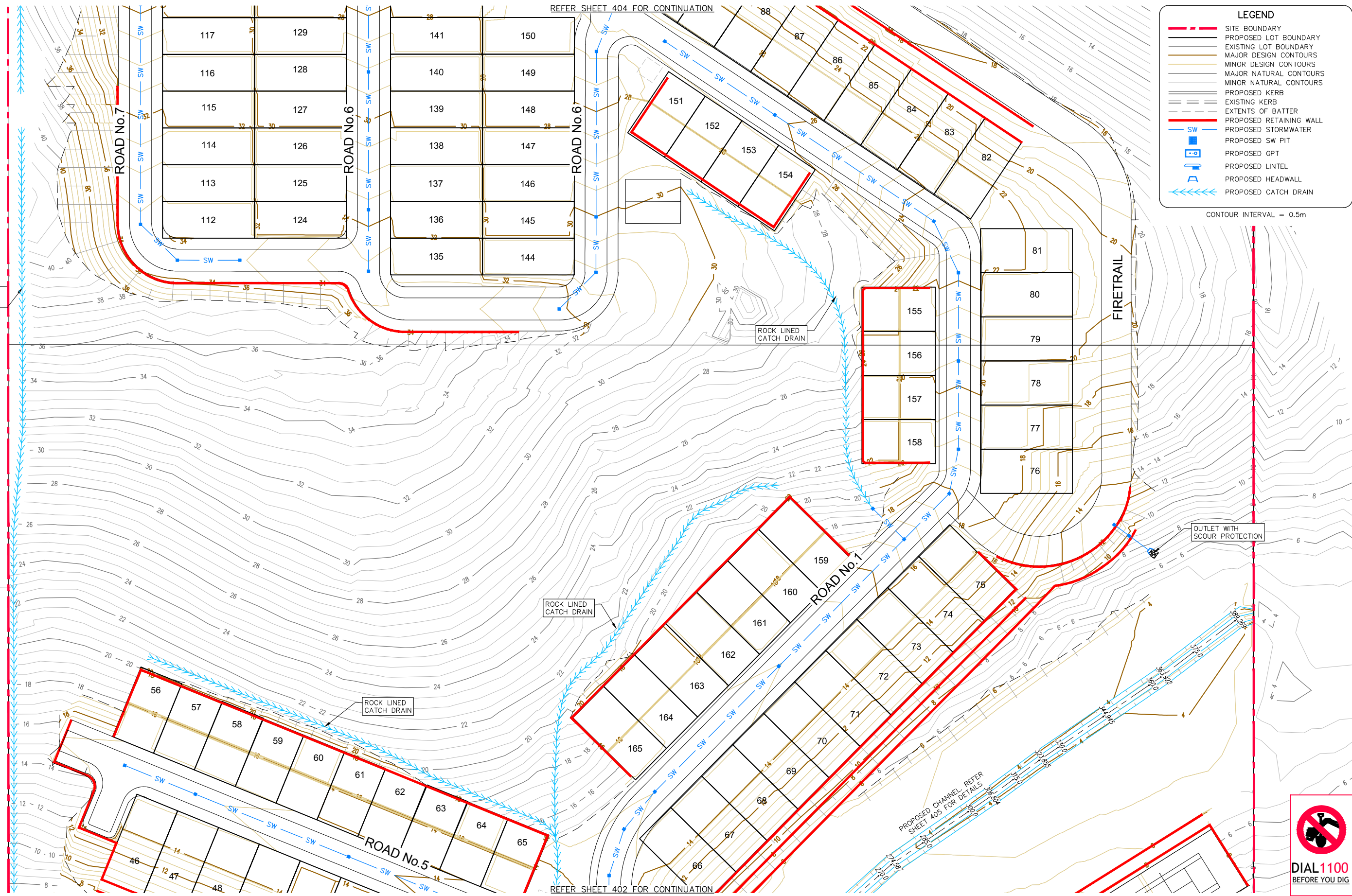
REFER SHEET 404 FOR CONTINUATION

REFER SHEET 402 FOR CONTINUATION

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL
- PROPOSED STORMWATER
- PROPOSED SW PIT
- PROPOSED GPT
- PROPOSED LINTEL
- PROPOSED HEADWALL
- PROPOSED CATCH DRAIN

CONTOUR INTERVAL = 0.5m



CONCEPT STORMWATER LAYOUT
SCALE 1:500

100mm AT FULL SIZE
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REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.M.c.	S.Z.	N.D.	N.D.	
B	18/10/19	DETAIL ADDED	N.M.c.	S.Z.	N.D.	N.D.	
C	25/10/19	GENERAL AMENDMENT	N.M.c.	N.M.c.	N.D.	N.D.	
D	04/11/19	GENERAL AMENDMENT	N.M.c.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.M.c.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.M.c.	J.D.	N.D.	N.D.	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	



adw Johnson

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Tuggerah N.S.W. 2259
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Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
**CHOICE LIVING AVOCA
DEVELOPMENT PTY LTD**

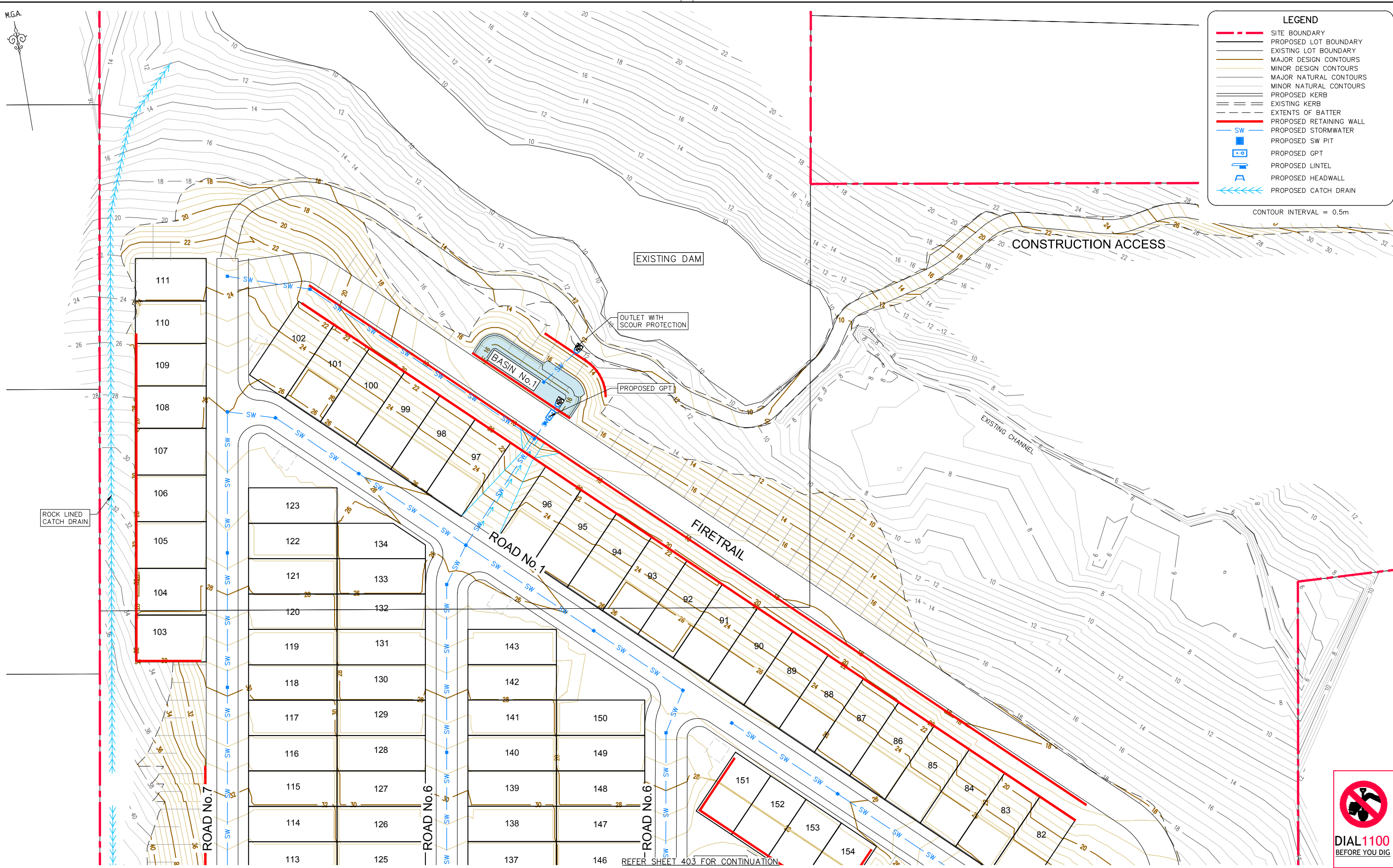
PROPERTY DESCRIPTION
LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER

PROJECT CHOICE LIVING AVOCA	
PLAN TITLE CONCEPT STORMWATER LAYOUT SHEET 3	
PROJECT No. 190587	DISCIPLINE CENG
NUMBER 403	REV. H

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
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CONTOUR INTERVAL = 0.5m



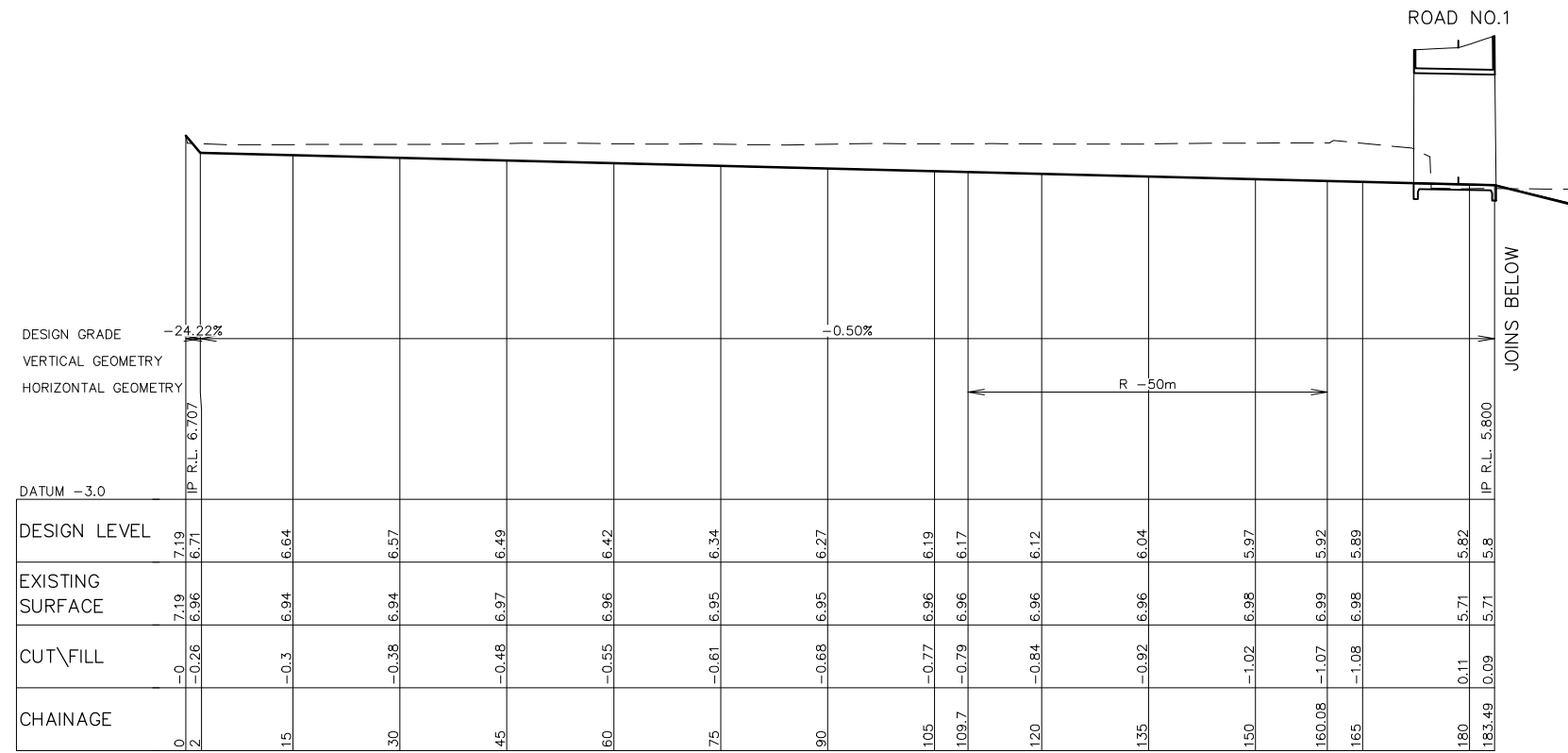
CONCEPT STORMWATER LAYOUT
SCALE 1:500

NOT FOR CONSTRUCTION



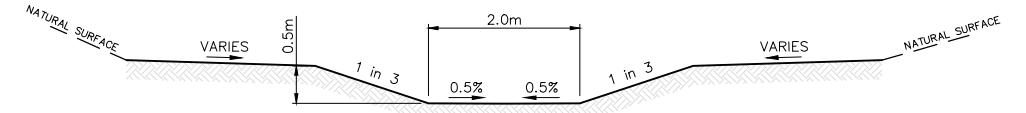
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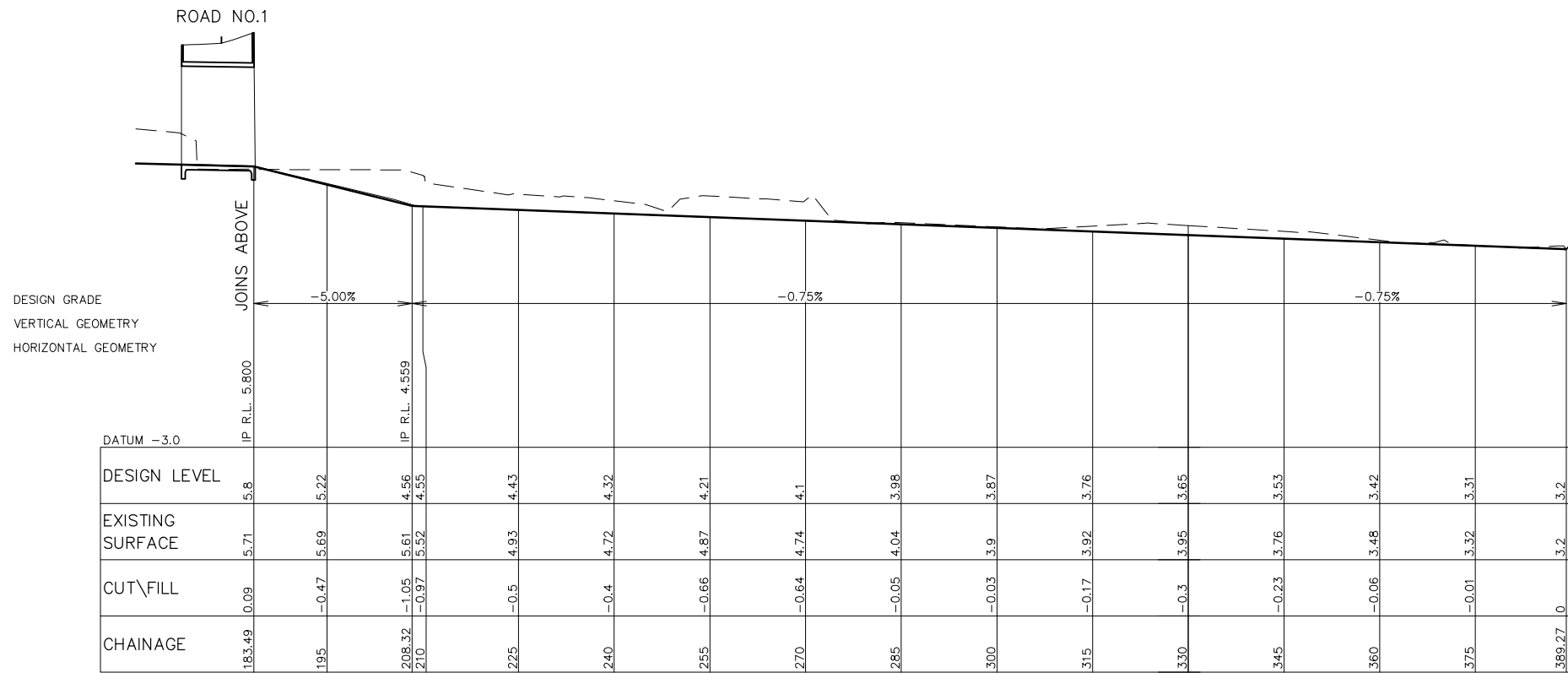
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HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



TYPICAL CHANNEL SECTION

SCALE 1:50



LONGITUDINAL SECTION CHANNEL

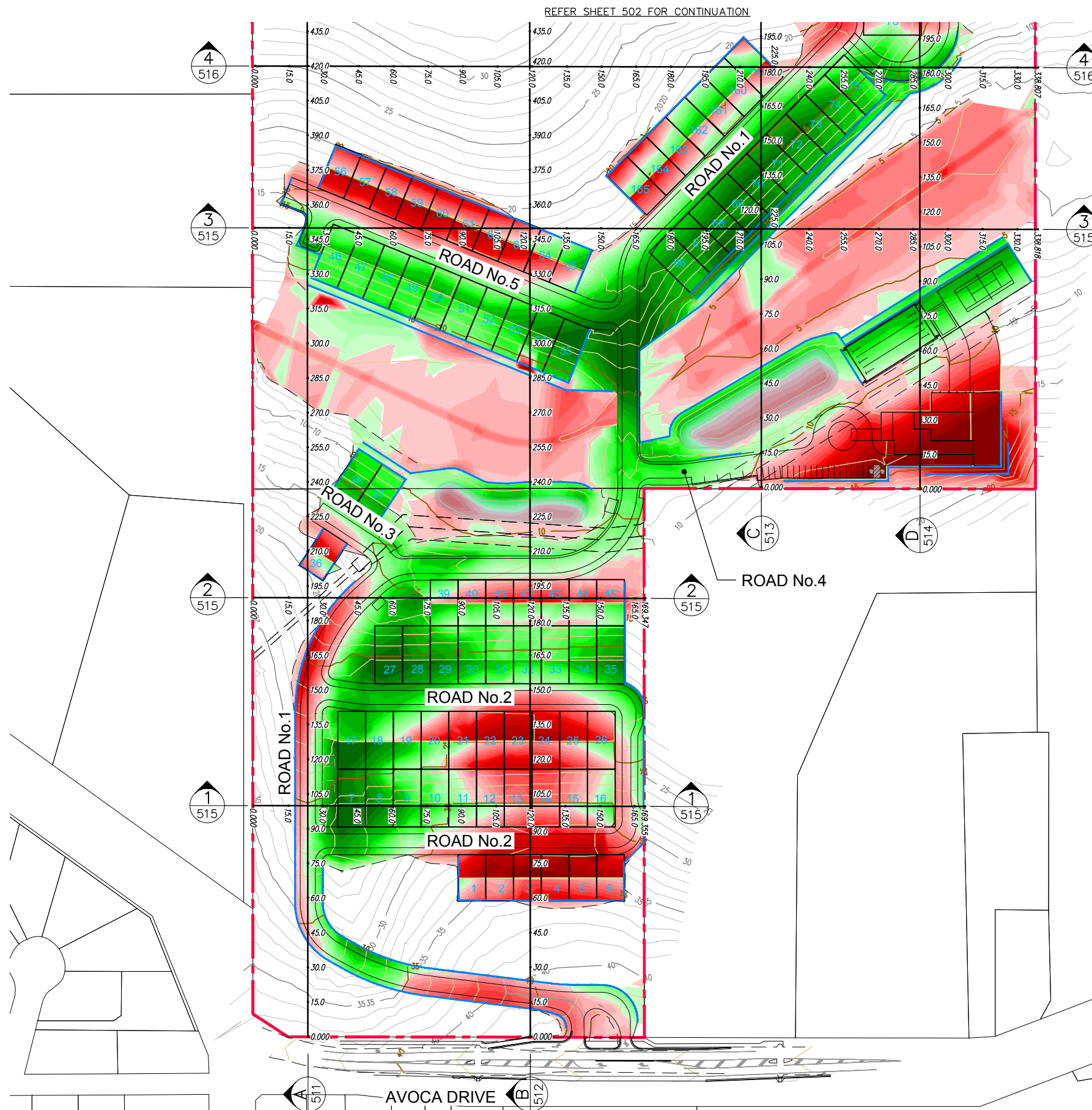
HORIZONTAL SCALE 1:500
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LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL

CONTOUR INTERVAL = 1.0m

LEGEND (+ FILL - CUT)

Lower	Upper	Colour	
-9999	to -4	m	
-4	to -3.5	m	
-3.5	to -3	m	
-3	to -2.5	m	
-2.5	to -2	m	
-2	to -1.75	m	
-1.75	to -1.5	m	
-1.5	to -1.25	m	
-1.25	to -1	m	
-1	to -0.75	m	
-0.75	to -0.5	m	
-0.5	to -0.25	m	
-0.25	to 0	m	
0	to 0.250	m	
0.250	to 0.5	m	
0.500	to 0.75	m	
0.75	to 1	m	
1	to 1.25	m	
1.25	to 1.5	m	
1.5	to 1.75	m	
1.75	to 2	m	
2	to 2.5	m	
2.5	to 3	m	
3	to 3.5	m	
3.5	to 4	m	
4	to 99999	m	

EARTHWORKS QUANTITIES:

CUT: 92,970m³
 FILL: 98,692m³
 SHORTFALL: 5,722m³

NOTE:

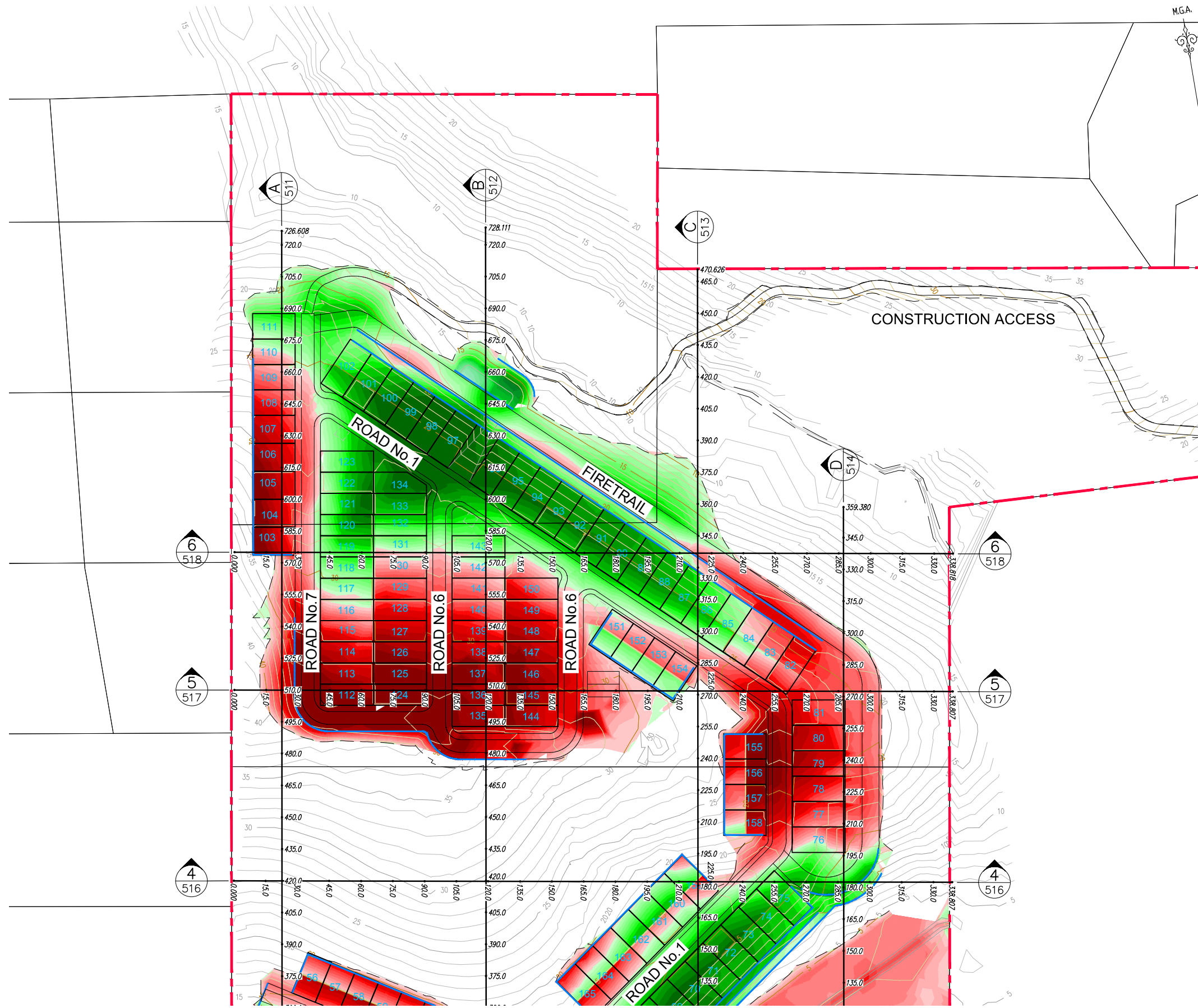
CUT TO FILL NUMBERS BASED ON 150mm STRIPPING TO BULK EARTHWORKS LEVELS.



SITE REGRADE PLAN
SCALE 1:1000

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0.500	to 0.75	m
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1.5	to 1.75	m
1.75	to 2	m
2	to 2.5	m
2.5	to 3	m
3	to 3.5	m
3.5	to 4	m
4	to 99999	m

REFER SHEET 501 FOR CONTINUATION

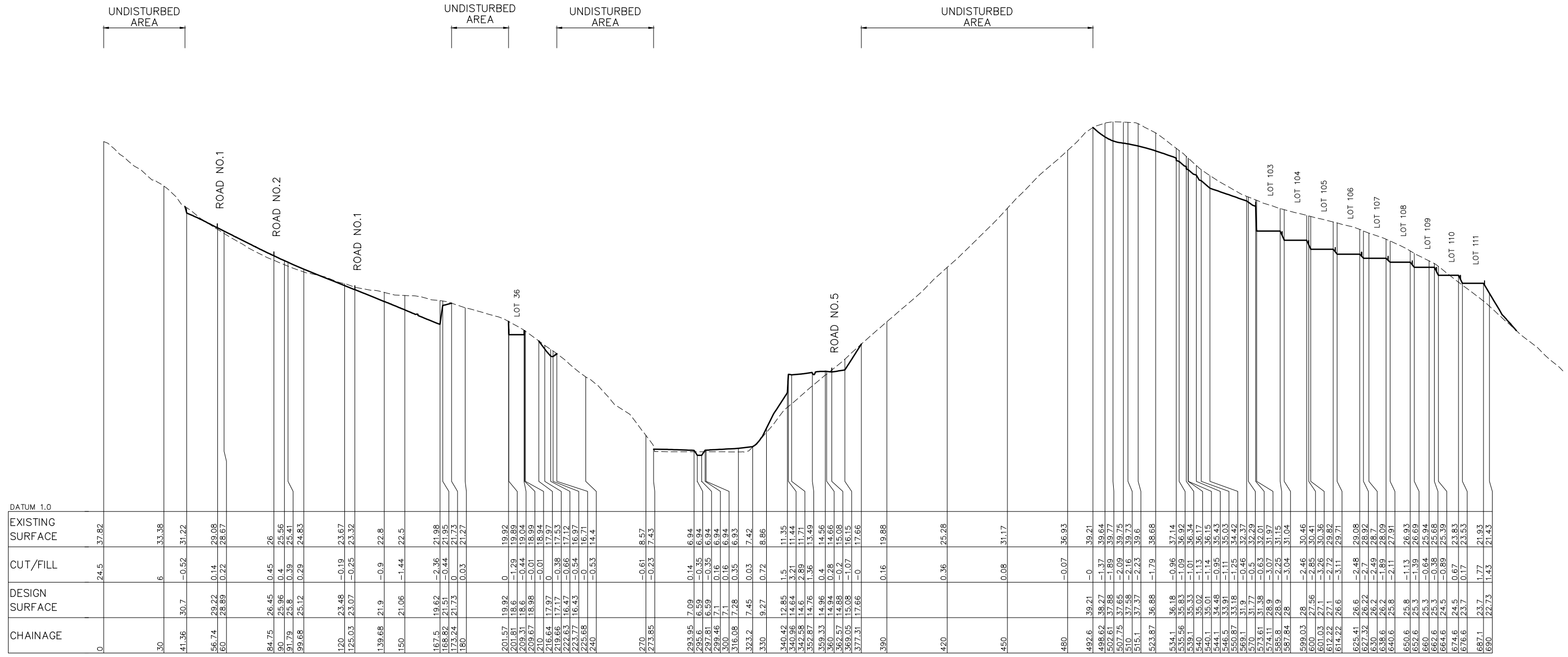
SITE REGRADE PLAN
SCALE 1:1000



NOT FOR CONSTRUCTION

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PLAN TITLE SITE REGRADE PLAN SHEET 2																
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	ALL DIMENSIONS ARE IN METRES. DO NOT SCALE						PROJECT No. 190587	DISCIPLINE CENG	NUMBER 502	REV. H
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C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.										
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.										
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.										
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.										
G	08/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.										

100mm AT FULL SIZE
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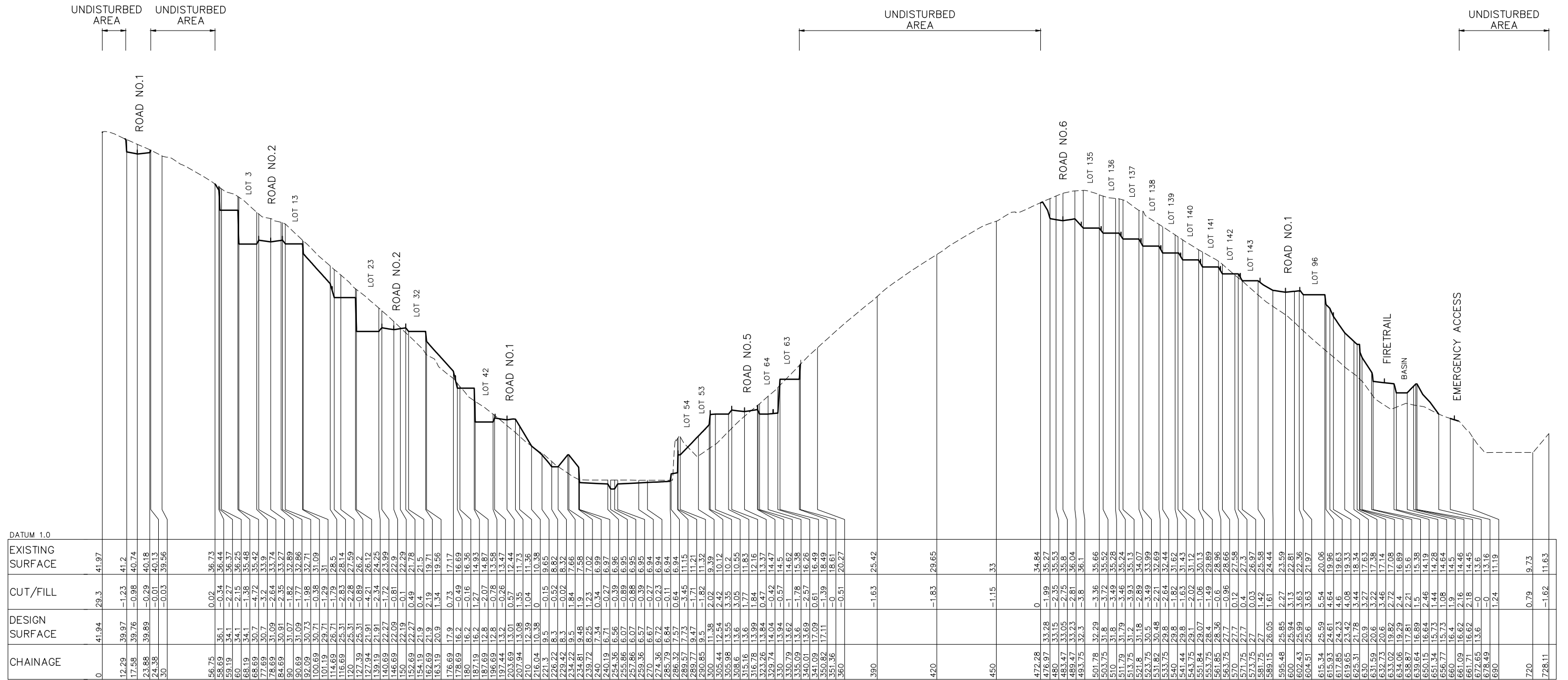


SITE SECTION SECTION A
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



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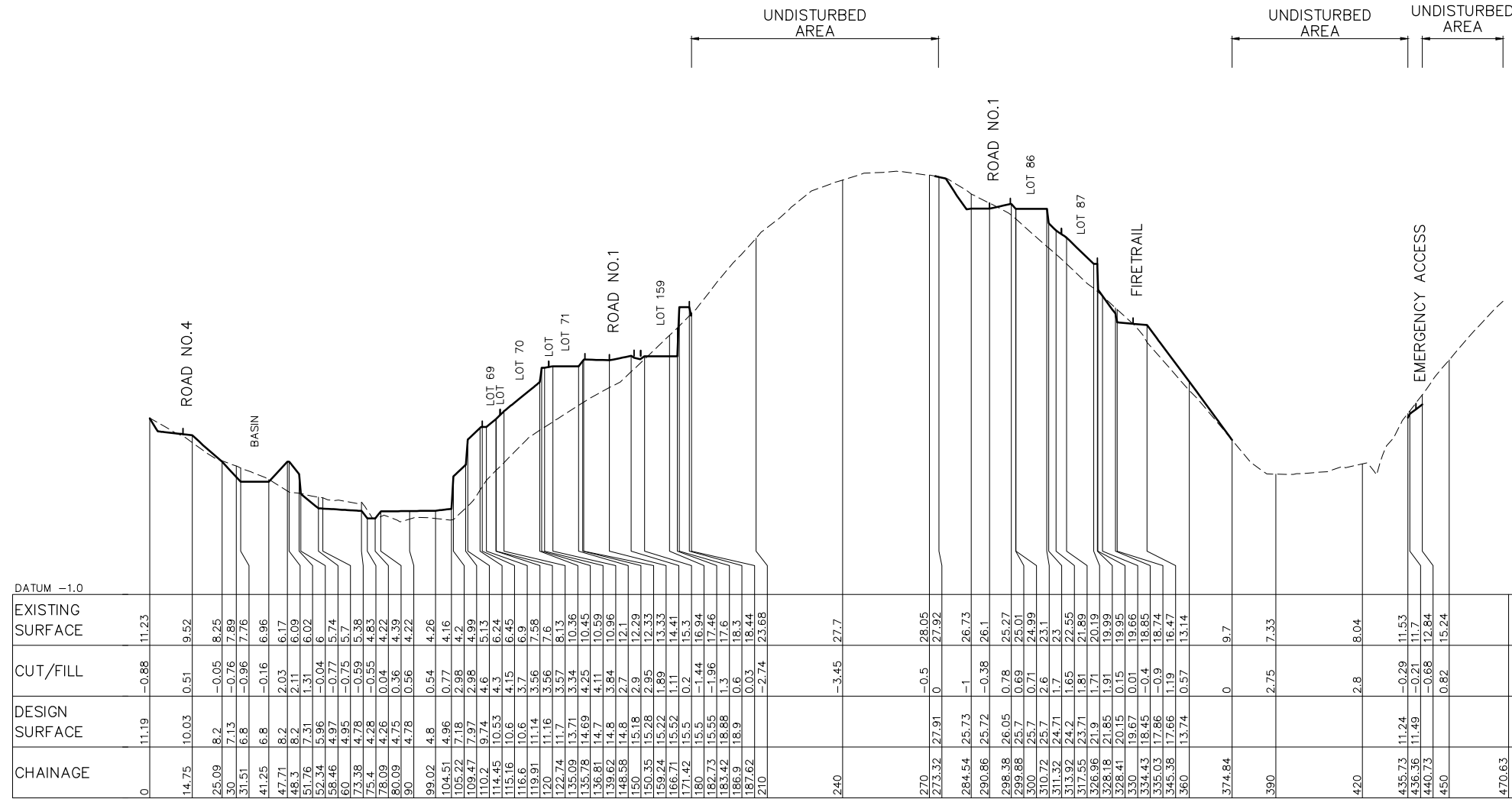


SITE SECTION SECTION B
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



NOT FOR CONSTRUCTION

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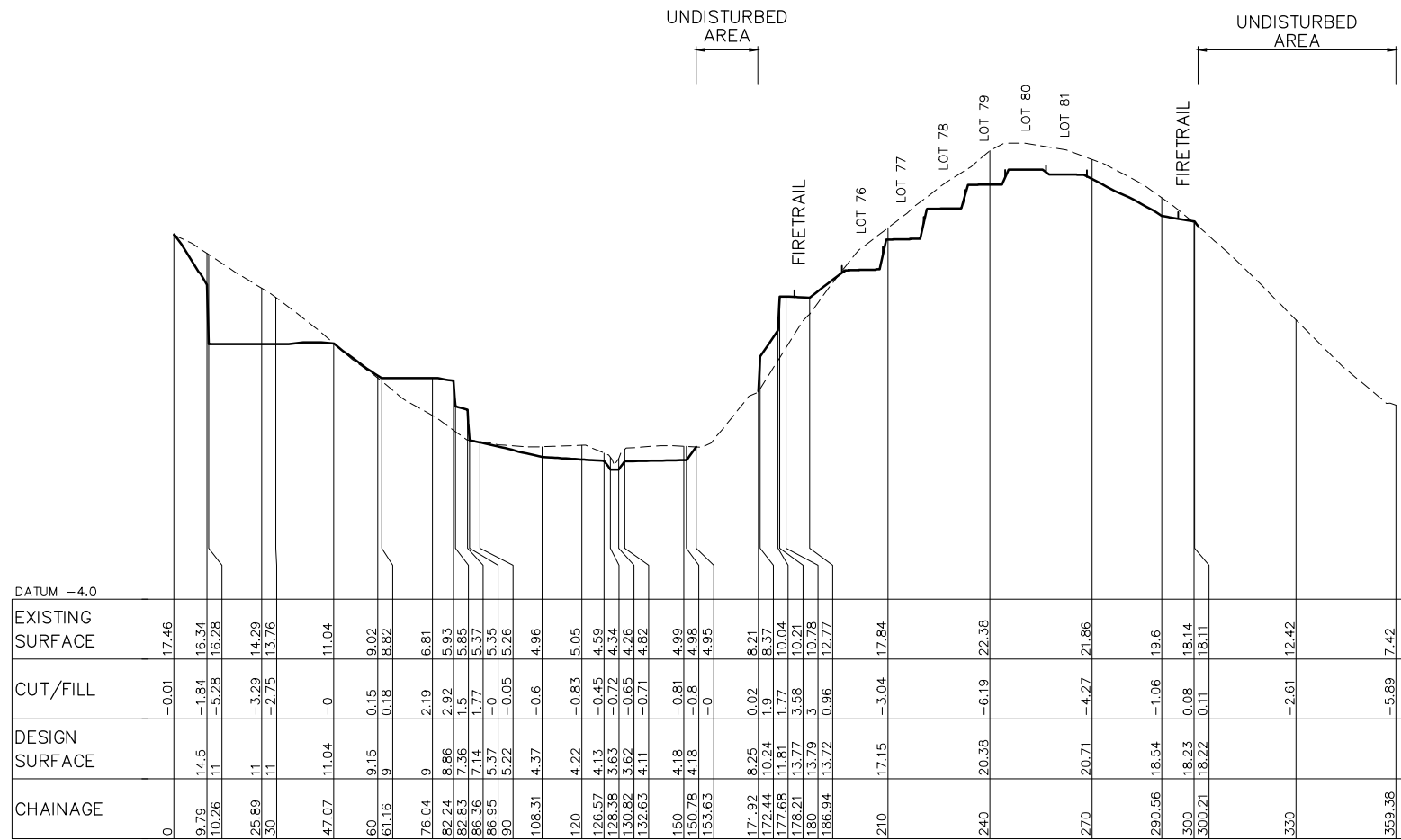


SITE SECTION SECTION C
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



NOT FOR CONSTRUCTION

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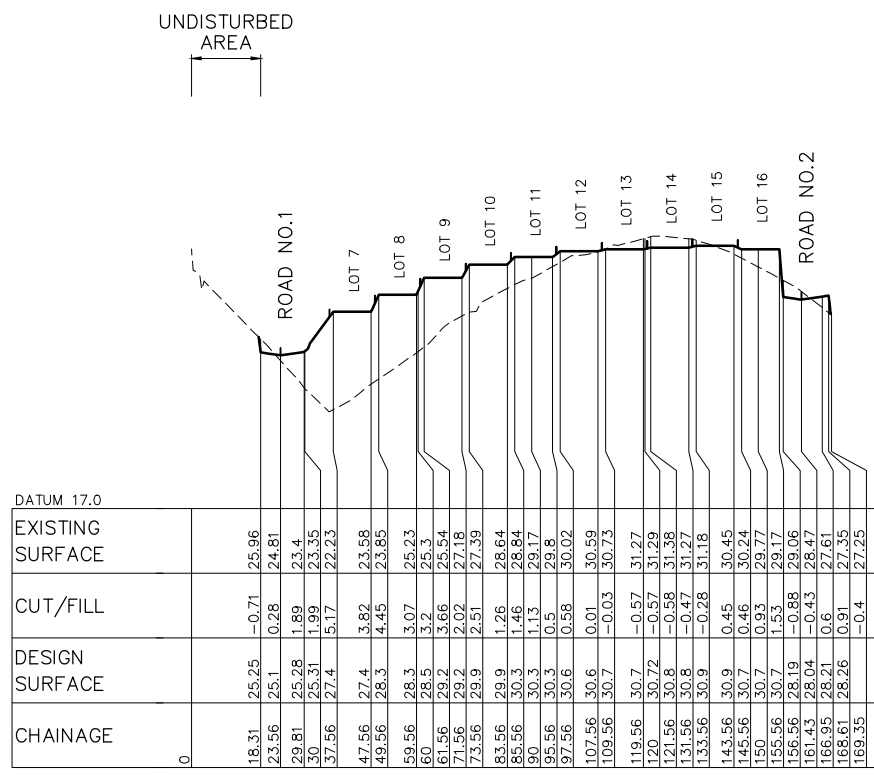


SITE SECTION SECTION D
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

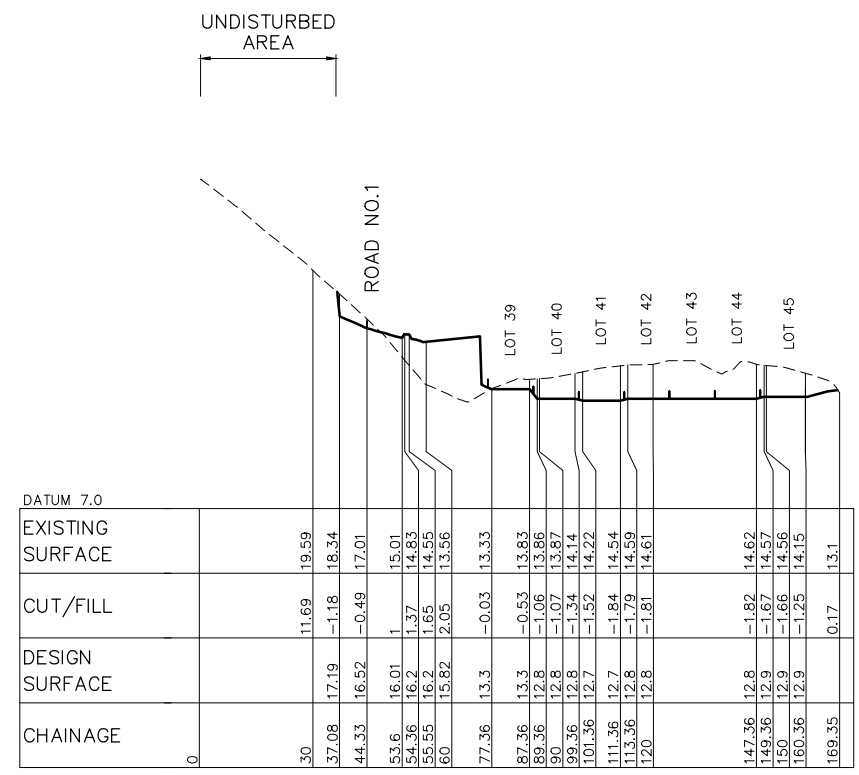


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H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.																		SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG



SITE SECTION SECTION 1
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200

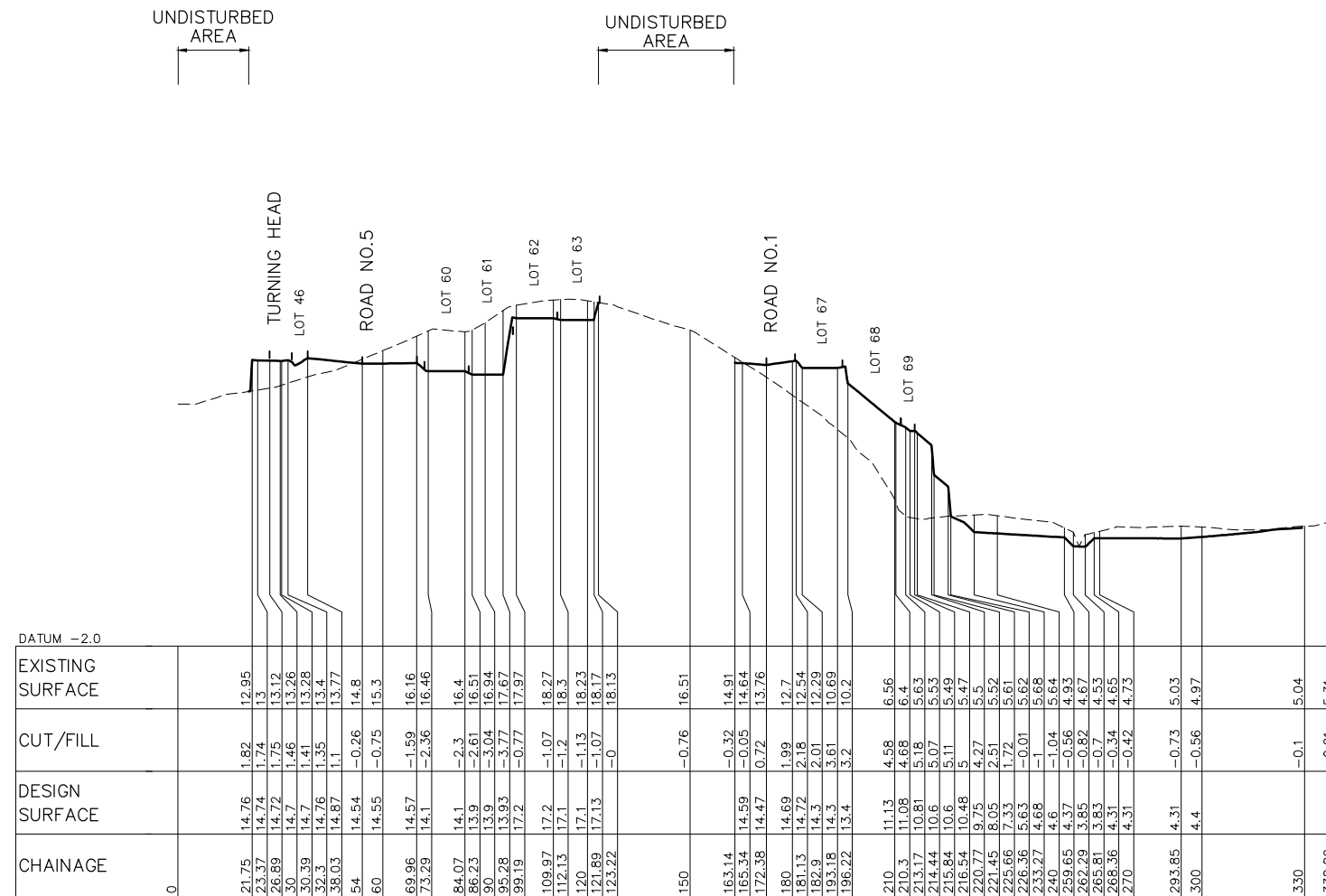


SITE SECTION SECTION 2
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



NOT FOR CONSTRUCTION

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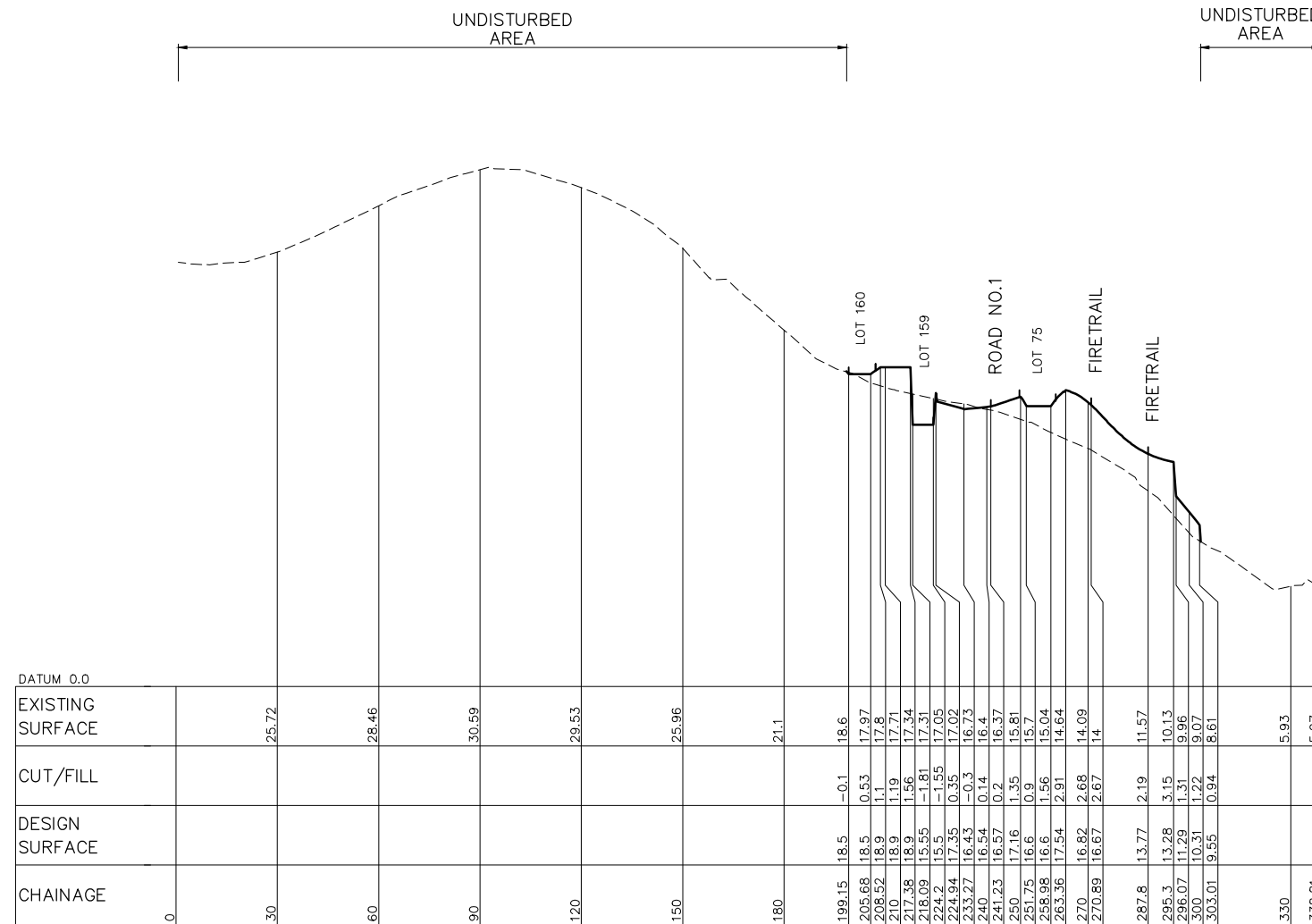


SITE SECTION SECTION 3
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA		
PLAN TITLE SITE REGRADE SECTION 3		SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 516	REV. H								
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000								
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.									
C	23/10/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.									
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.									
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.									
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.									
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.									
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.									

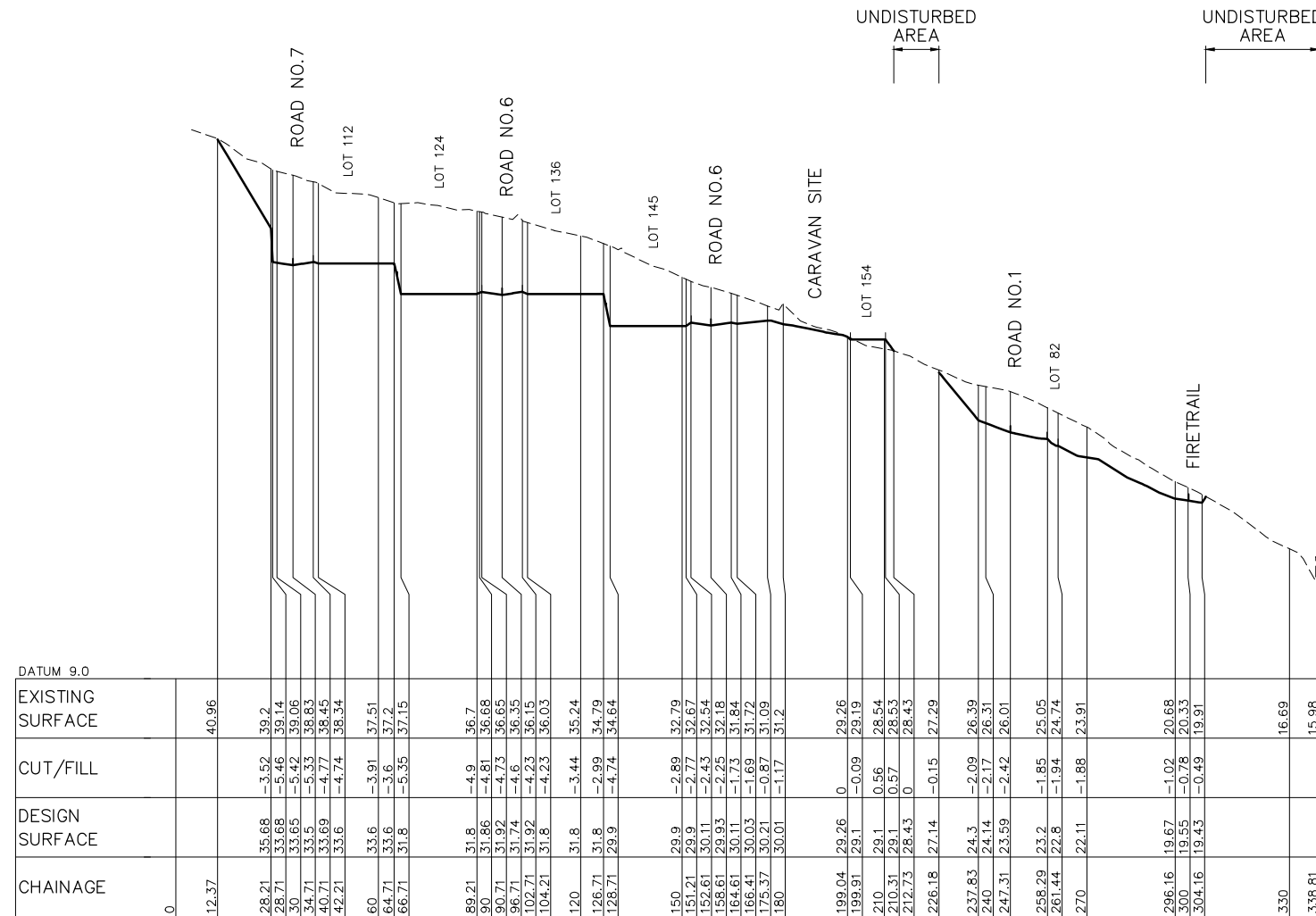


SITE SECTION SECTION 4
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
PLAN TITLE SITE REGRADE SECTION 4																
PROJECT No. 190587 - DISCIPLINE CENG - NUMBER 517 - REV. H																
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000				SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587 - DISCIPLINE CENG - NUMBER 517 - REV. H	
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000									
C	25/10/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000									
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000									
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	A1 1:1000									
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	A1 1:1000									
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	A1 1:1000									
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	A1 1:1000									

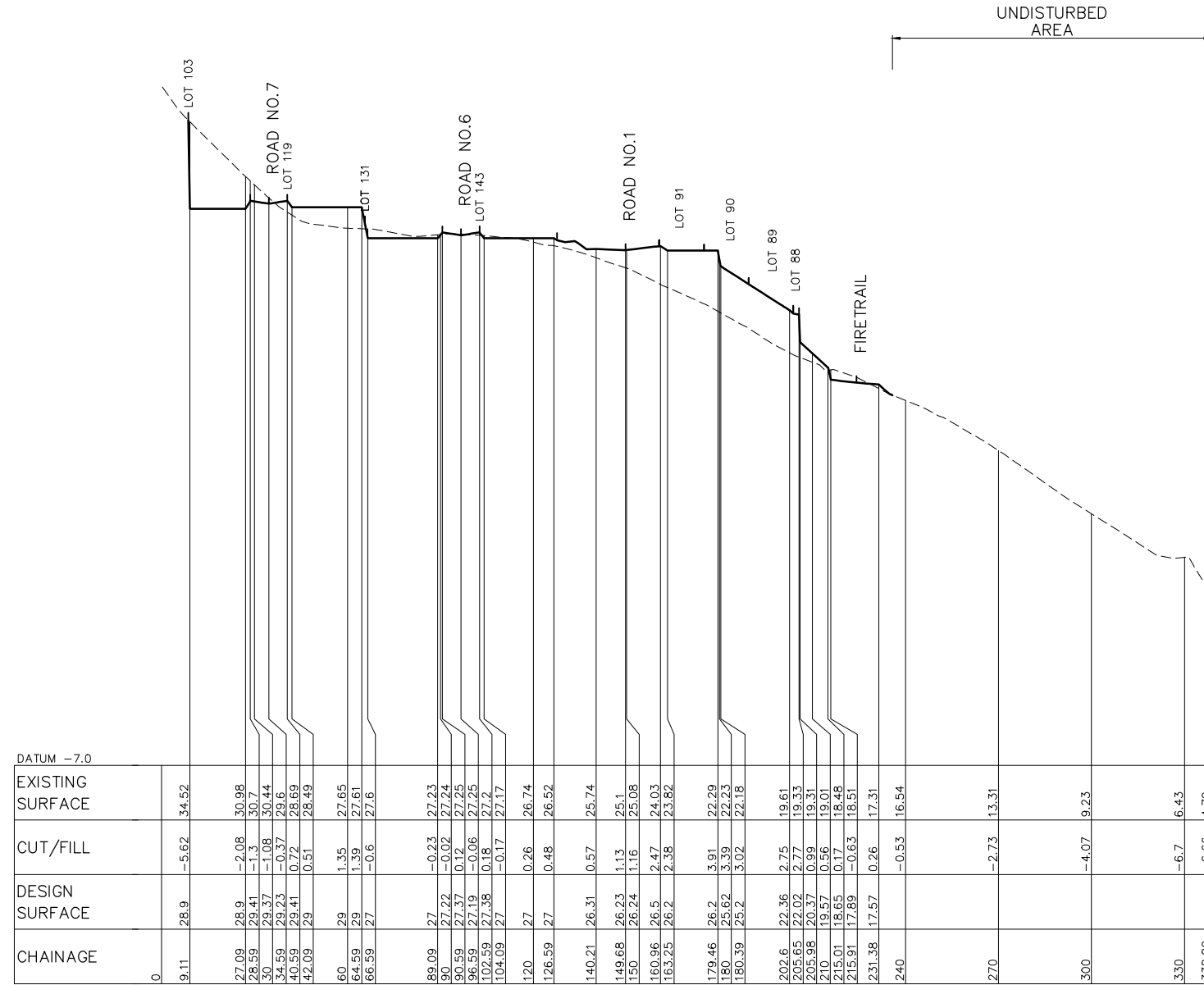


SITE SECTION SECTION 5
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



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PLAN TITLE SITE REGRADE SECTION 5																																															
SURVEYED MAP & SURVEY												DATUM A.H.D.																																			
PROJECT No. 190587												DISCIPLINE CENG												NUMBER 518												REV. H											
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA																																		
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	A3 1:2000						PLAN TITLE SITE REGRADE SECTION 5																																		
C	23/10/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	A1 1:200	SURVEYED MAP & SURVEY																																							
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	A3 1:400	DATUM A.H.D.																																							
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	PROJECT No. 190587																																								
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	DISCIPLINE CENG																																								
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	NUMBER 518																																								
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	REV. H																																								



SITE SECTION SECTION 6
HORIZONTAL SCALE 1:1000
VERTICAL SCALE 1:200



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA		
PLAN TITLE SITE REGRADE SECTION 6		SURVEYED MAP & SURVEY	DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 519	REV. H								
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000								
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	A3 1:2000								
C	23/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	A1 1:1000								
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	A1 1:1000								
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	A1 1:1000								
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	A1 1:1000								
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	A1 1:1000								
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	A1 1:1000								

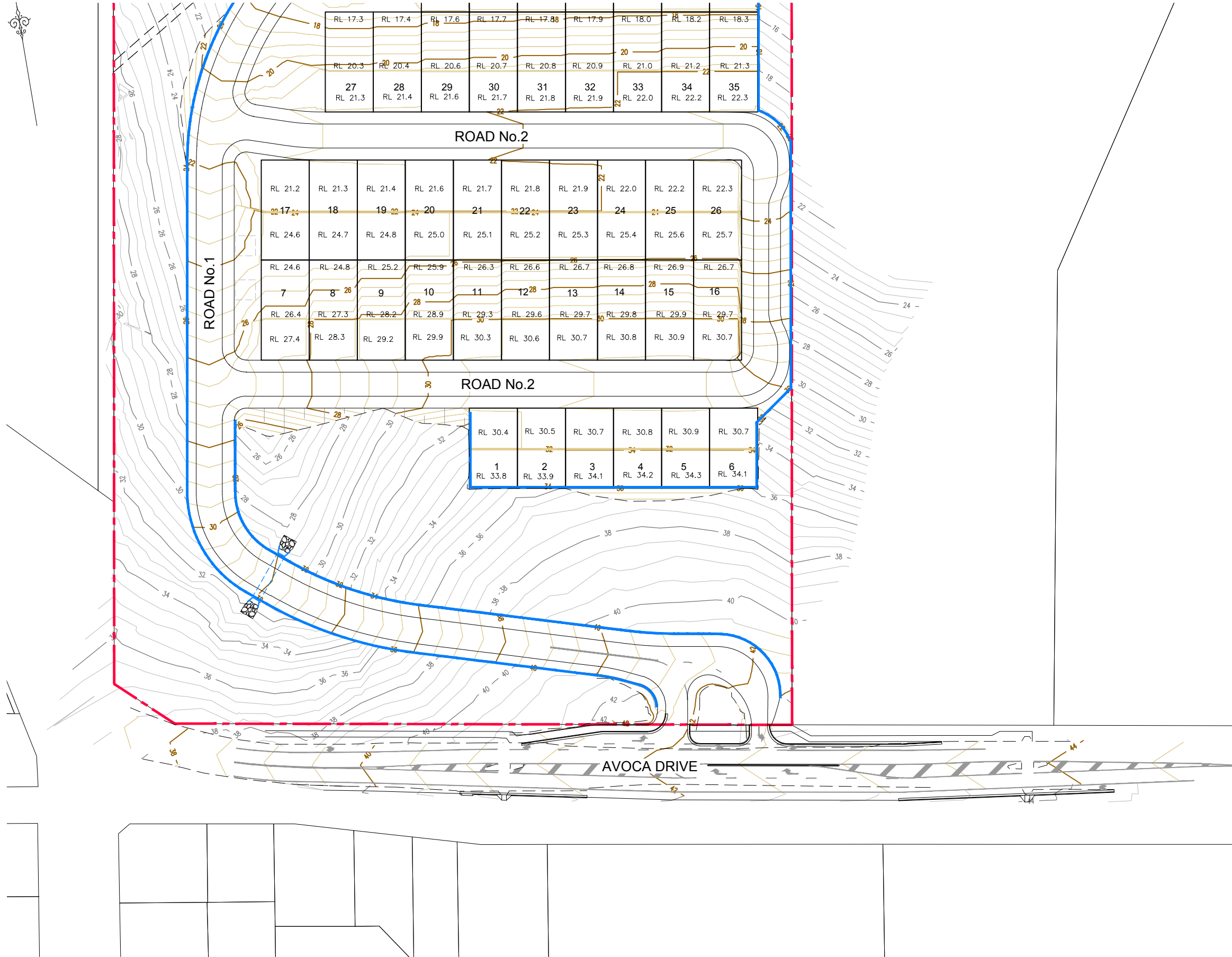
LEGEND	
	SITE BOUNDARY
	PROPOSED LOT BOUNDARY
	EXISTING LOT BOUNDARY
	MAJOR DESIGN CONTOURS
	MINOR DESIGN CONTOURS
	MAJOR NATURAL CONTOURS
	MINOR NATURAL CONTOURS
	PROPOSED KERB
	EXISTING KERB
	EXTENTS OF BATTER
	PROPOSED RETAINING WALL

CONTOUR INTERVAL = 0.5m

GENERAL NOTES: -

- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.
- PAD LEVELS ARE BULK EARTHWORKS LEVELS SET DOWN 400mm FROM FINISHED FLOOR LEVELS

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



PAD GRADING PLAN
SCALE 1:500



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA		
PLAN TITLE PAD GRADING PLAN SHEET 1															
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	 A1 1:500 1:1000		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA		
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.									
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.									
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.									
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.									
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.									
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.									
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.									
DESIGN FILE S:\190587\DESIGN\120\SW CONCEPT\CONCEPT_ENG.project ALL DIMENSIONS ARE IN METRES. DO NOT SCALE															
Plotted By: Jeremy Dick Plot Date: 12/11/20 10:16:53AM Cad File: S:\190587\DRAWINGS\ENG\CENG\190587-CENG-551.DWG															
			SURVEYED MAP & SURVEY		DATUM A.H.D.		PROJECT No. 190587		DISCIPLINE CENG		NUMBER 551	REV. H			

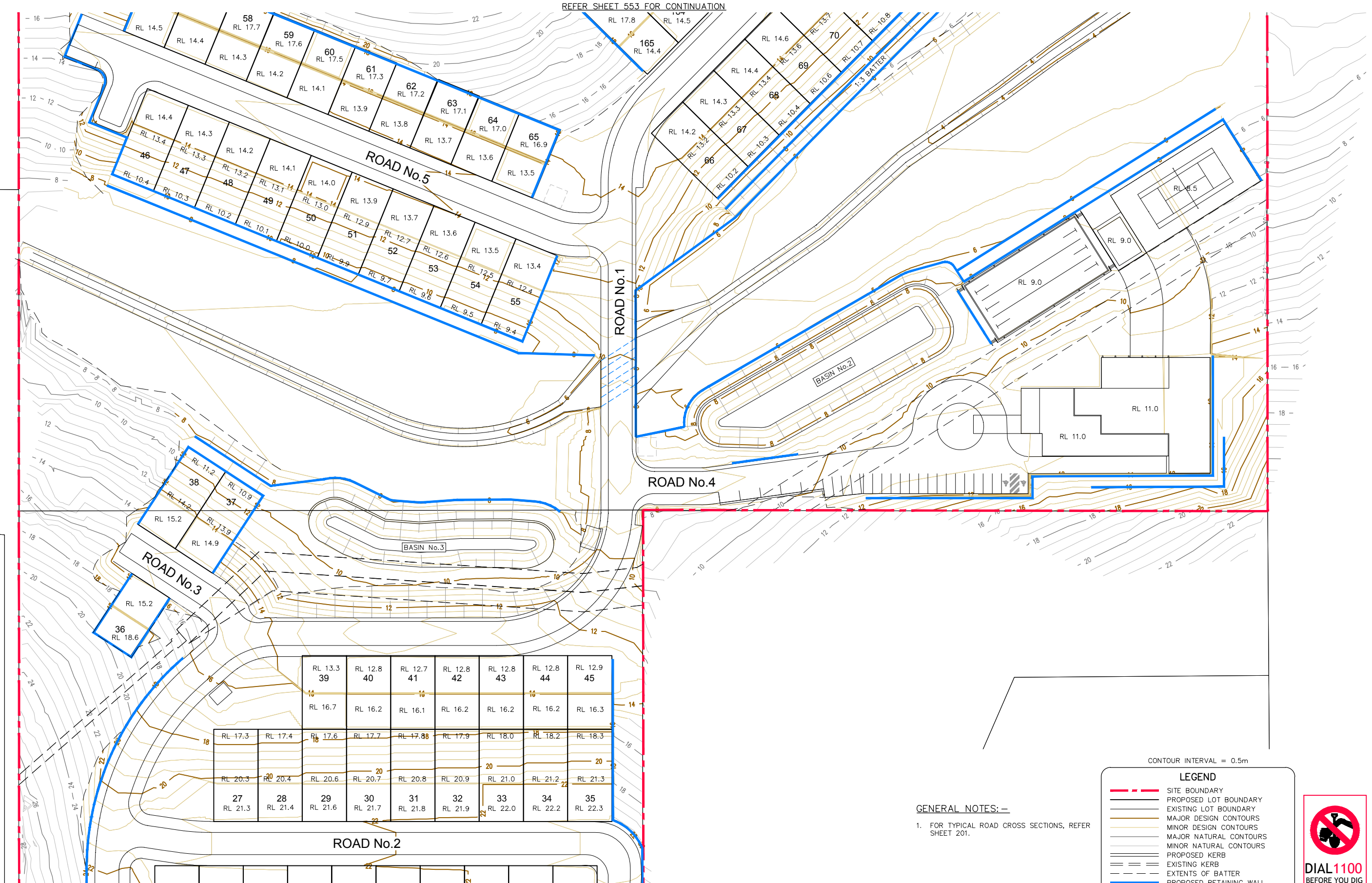
REFER SHEET 553 FOR CONTINUATION

REFER SHEET 551 FOR CONTINUATION

PAD GRADING PLAN

SCALE 1:500

100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.



CONTOUR INTERVAL = 0.5m

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL

GENERAL NOTES: -

1. FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	
B	18/10/19	DETAIL ADDED	N.Mc.	N.Mc.	N.D.	N.D.	
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	

DESIGN	DRAWN	CHECKED	APPROVED	SCALES
N.Mc.	S.Z.	N.D.	N.D.	
N.Mc.	N.Mc.	N.D.	N.D.	
N.Mc.	S.Z.	N.D.	N.D.	
N.Mc.	J.D.	N.D.	N.D.	
N.Mc.	J.D.	N.D.	N.D.	
J.D.	S.Z.	N.D.	N.D.	
J.D.	J.D.	N.D.	N.D.	
J.D.	J.D.	N.D.	N.D.	

adw Johnson

Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
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Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
**CHOICE LIVING AVOCA
DEVELOPMENT PTY LTD**

PROPERTY DESCRIPTION
LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER

PROJECT			
CHOICE LIVING AVOCA			
PLAN TITLE			
PAD GRADING PLAN SHEET 2			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
MAP & SURVEY	A.H.D.	190587	CENG
NUMBER	REV.		
552	H		

REFER SHEET 554 FOR CONTINUATION

REFER SHEET 552 FOR CONTINUATION

PAD GRADING PLAN

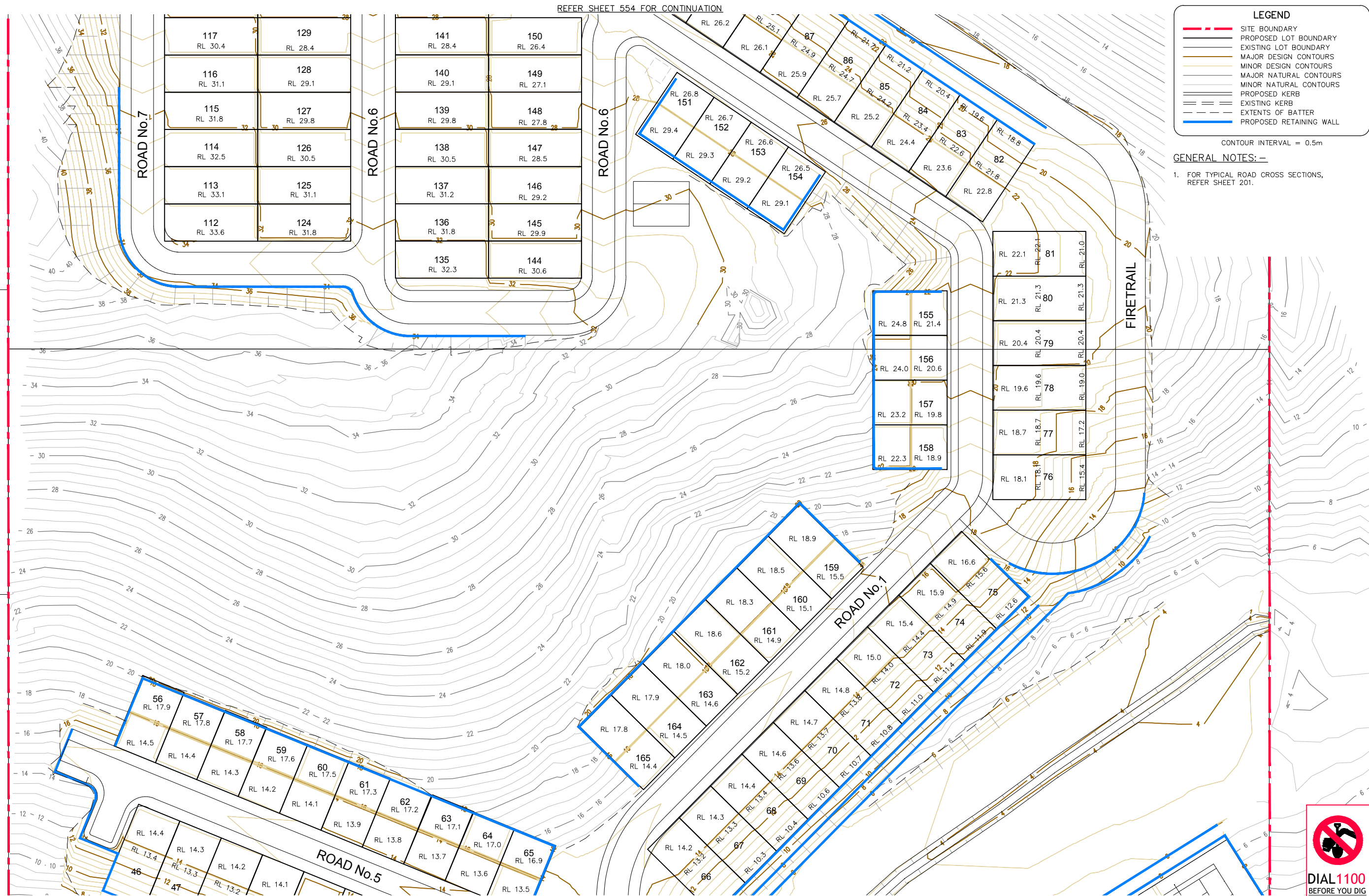
SCALE 1:500

LEGEND	
	SITE BOUNDARY
	PROPOSED LOT BOUNDARY
	EXISTING LOT BOUNDARY
	MAJOR DESIGN CONTOURS
	MINOR DESIGN CONTOURS
	MAJOR NATURAL CONTOURS
	MINOR NATURAL CONTOURS
	PROPOSED KERB
	EXISTING KERB
	EXTENTS OF BATTER
	PROPOSED RETAINING WALL

CONTOUR INTERVAL = 0.5m

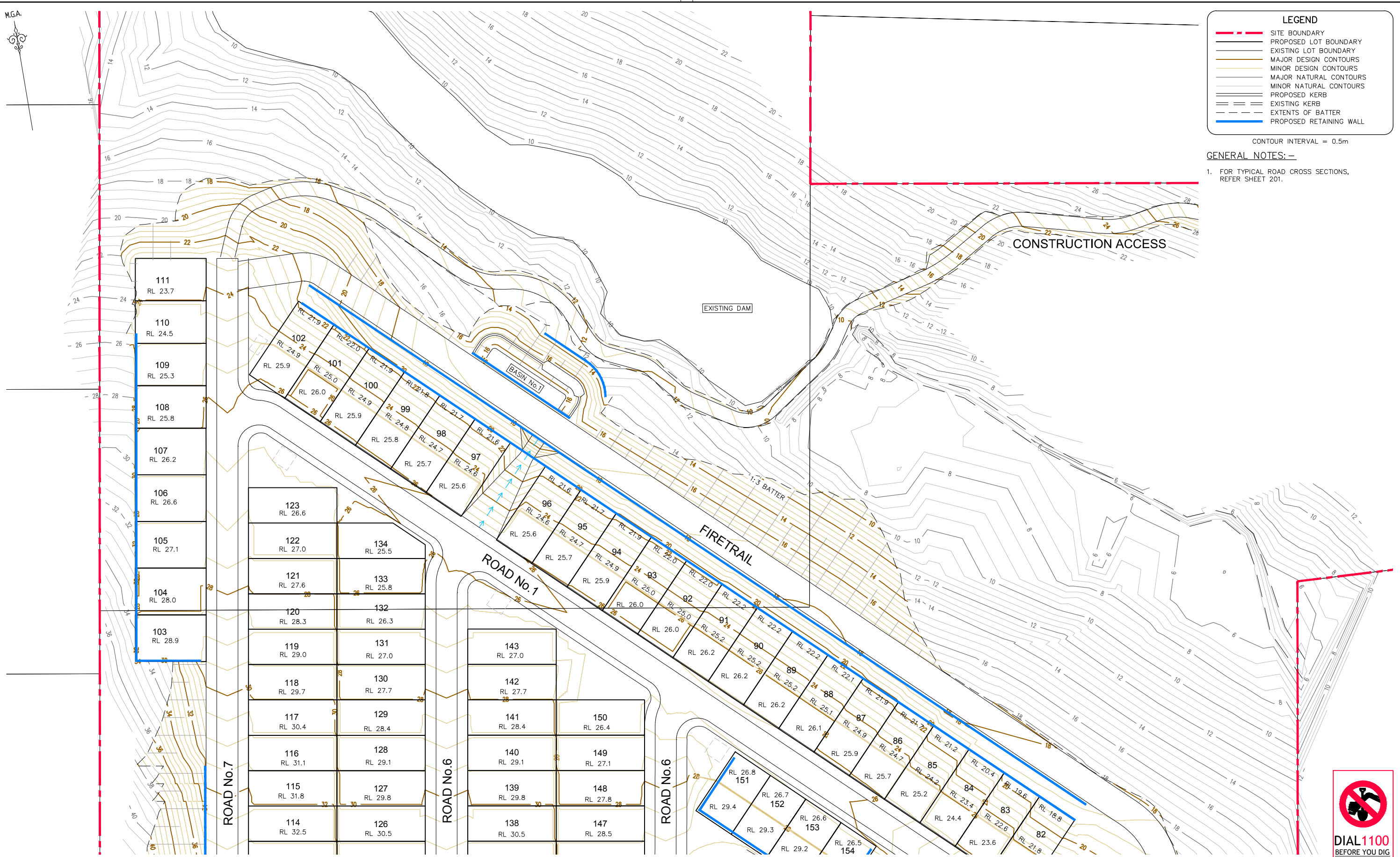
GENERAL NOTES:-

- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES	 Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT	PROPERTY DESCRIPTION	PROJECT		
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1		 ALL DIMENSIONS ARE IN METRES. DO NOT SCALE	CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	CHOICE LIVING AVOCA	
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.		PLAN TITLE				PAD GRADING PLAN	
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.		SHEET 3					
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.							
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.							
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.							
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.							
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.							
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LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED RETAINING WALL

CONTOUR INTERVAL = 0.5m

GENERAL NOTES: -

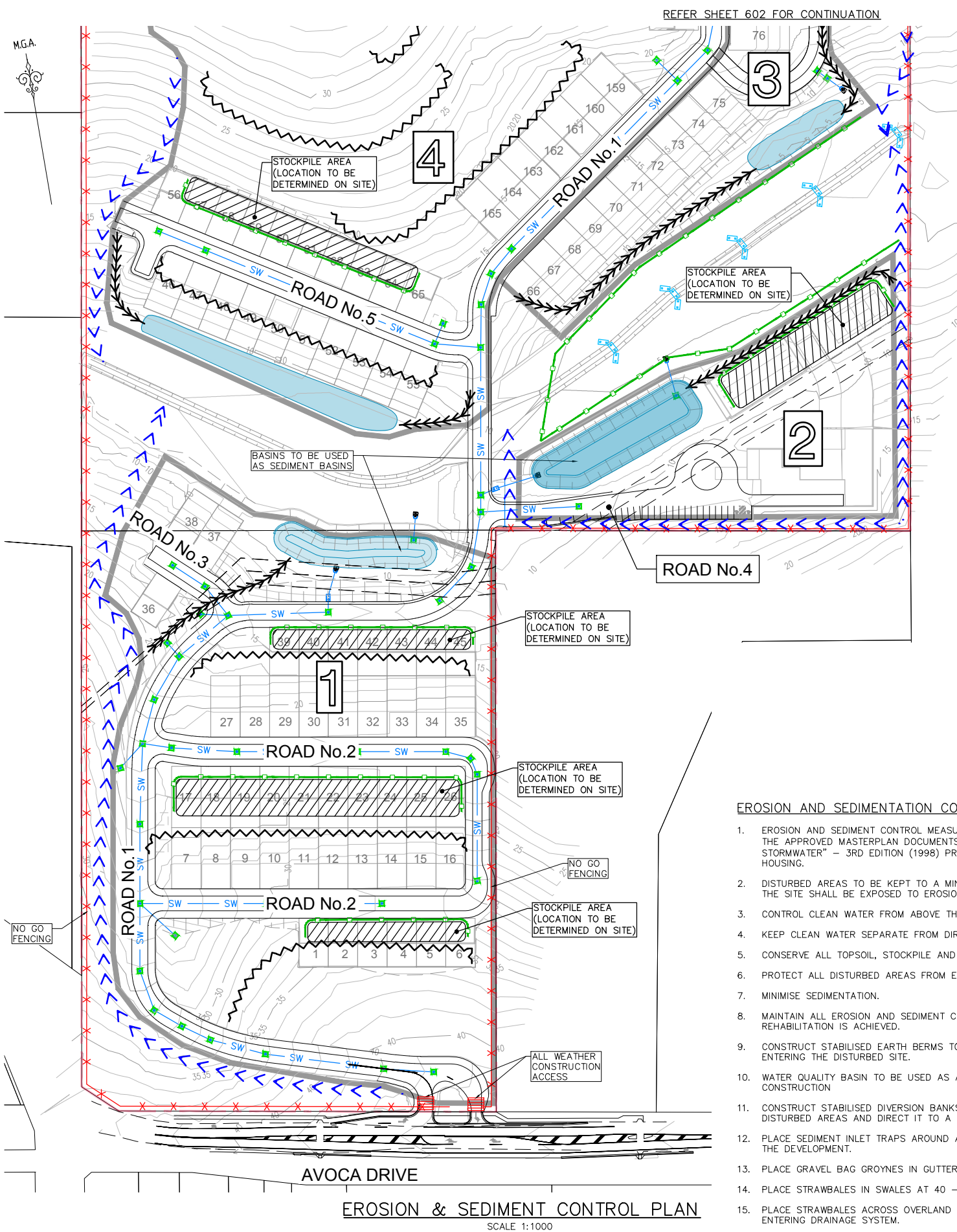
- FOR TYPICAL ROAD CROSS SECTIONS, REFER SHEET 201.

REFER SHEET 553 FOR CONTINUATION

PAD GRADING PLAN
SCALE 1:500

NOT FOR CONSTRUCTION

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>REV.</th><th>DATE</th><th>AMENDMENT</th></tr> <tr><td>A</td><td>16/10/19</td><td>PRELIMINARY ISSUE</td></tr> <tr><td>B</td><td>18/10/19</td><td>DETAIL ADDED</td></tr> <tr><td>C</td><td>25/10/19</td><td>GENERAL AMENDMENT</td></tr> <tr><td>D</td><td>04/11/19</td><td>GENERAL AMENDMENT</td></tr> <tr><td>E</td><td>02/12/19</td><td>GENERAL AMENDMENT</td></tr> <tr><td>F</td><td>03/03/20</td><td>CAR WASH ADDED</td></tr> <tr><td>G</td><td>06/11/20</td><td>LAYOUT AMENDED</td></tr> <tr><td>H</td><td>11/11/20</td><td>CLIENT AMENDMENTS</td></tr> </table>	REV.	DATE	AMENDMENT	A	16/10/19	PRELIMINARY ISSUE	B	18/10/19	DETAIL ADDED	C	25/10/19	GENERAL AMENDMENT	D	04/11/19	GENERAL AMENDMENT	E	02/12/19	GENERAL AMENDMENT	F	03/03/20	CAR WASH ADDED	G	06/11/20	LAYOUT AMENDED	H	11/11/20	CLIENT AMENDMENTS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>DESIGN</th><th>DRAWN</th><th>CHECKED</th><th>APPROVED</th></tr> <tr><td>N.M.c.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>N.M.c.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>N.M.c.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>N.M.c.</td><td>J.D.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>N.M.c.</td><td>J.D.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>J.D.</td><td>S.Z.</td><td>N.D.</td><td>N.D.</td></tr> <tr><td>J.D.</td><td>J.D.</td><td>N.D.</td><td>N.D.</td></tr> </table>	DESIGN	DRAWN	CHECKED	APPROVED	N.M.c.	S.Z.	N.D.	N.D.	N.M.c.	S.Z.	N.D.	N.D.	N.M.c.	S.Z.	N.D.	N.D.	N.M.c.	J.D.	N.D.	N.D.	N.M.c.	J.D.	N.D.	N.D.	J.D.	S.Z.	N.D.	N.D.	J.D.	J.D.	N.D.	N.D.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><th>SCALES</th></tr> <tr><td>A1 1:500</td></tr> <tr><td>A3 1:1000</td></tr> </table>	SCALES	A1 1:500	A3 1:1000			<p>Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398</p>	<p>CLIENT</p> <p>CHOICE LIVING AVOCA DEVELOPMENT PTY LTD</p>	<p>PROPERTY DESCRIPTION</p> <p>LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER</p>	<p>PROJECT</p> <p>CHOICE LIVING AVOCA</p>	<p>PLAN TITLE</p> <p>PAD GRADING PLAN SHEET 4</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SURVEYED</th> <th>DATUM</th> <th>PROJECT No.</th> <th>DISCIPLINE</th> <th>NUMBER</th> <th>REV.</th> </tr> <tr> <td>MAP & SURVEY</td> <td>A.H.D.</td> <td>190587</td> <td>CENG</td> <td>554</td> <td>H</td> </tr> </table>	SURVEYED	DATUM	PROJECT No.	DISCIPLINE	NUMBER	REV.	MAP & SURVEY	A.H.D.	190587	CENG	554	H
REV.	DATE	AMENDMENT																																																																																		
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EROSION & SEDIMENT CONTROL PLAN
SCALE 1:1000

REFER SHEET 602 FOR CONTINUATION

Revised Universal Soil Loss Equation (RUSLE) - Area 1		
Catchment Area (A)	3.45	ha
Settling Zone		
Runoff Coefficient (Cv)	0.58	Appendix F Section F.3
85th % 5 day Rainfall Event (R)	45.8	Table 6.3a
Settling Zone Volume	916.46	m³
Sediment Zone		
Disturbed Site Area (hectares)	2.73	ha
2 year, 6-hour Rainfall	10.5	mm/hr
Rainfall Erosivity Factor, R	2411	
Soil Erodibility Factor, K	0.04	Appendix A, Figure A3
Slope Length Gradient Factor, LS	9.51	Table A1, pg A-9
Erosion Control Practice Factor, P	0.9	Table A2, pg A-11
Cover Factor, C	1	Figure A5, pg A-12
Sediment Zone Volume	458	m³
Total Storage Required (Settling + Sediment)	1375	m³

AREA 1 STORAGE VOLUMES TO BE COMPRISED FROM:
TEMP. SEDIMENT BASIN (TYPE D) = 1260m³
MULCH MOUNDS = 115m³

Revised Universal Soil Loss Equation (RUSLE) - Area 2		
Catchment Area (A)	0.99	ha
Settling Zone		
Runoff Coefficient (Cv)	0.58	Appendix F Section F.3
85th % 5 day Rainfall Event (R)	45.8	Table 6.3a
Settling Zone Volume	262.98	m³
Sediment Zone		
Disturbed Site Area (hectares)	0.96	ha
2 year, 6-hour Rainfall	10.5	mm/hr
Rainfall Erosivity Factor, R	2411	
Soil Erodibility Factor, K	0.04	Appendix A, Figure A3
Slope Length Gradient Factor, LS	9.51	Table A1, pg A-9
Erosion Control Practice Factor, P	0.9	Table A2, pg A-11
Cover Factor, C	1	Figure A5, pg A-12
Sediment Zone Volume	131	m³
Total Storage Required (Settling + Sediment)	394	m³

AREA 2 STORAGE VOLUMES TO BE COMPRISED FROM:
TEMP. SEDIMENT BASIN (TYPE D) = 394m³

EROSION AND SEDIMENTATION CONTROL NOTES:

- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSISTENT WITH THE APPROVED MASTERPLAN DOCUMENTS AND THE "MANAGING URBAN STORMWATER" - 3RD EDITION (1998) PREPARED BY THE NSW DEPARTMENT OF HOUSING.
- DISTURBED AREAS TO BE KEPT TO A MINIMUM. NO MORE THAN 2.5HA OF THE SITE SHALL BE EXPOSED TO EROSION AT ANY ONE TIME.
- CONTROL CLEAN WATER FROM ABOVE THE SITE, THROUGH THE SITE.
- KEEP CLEAN WATER SEPARATE FROM DIRTY WATER.
- CONSERVE ALL TOPSOIL, STOCKPILE AND PROTECT FOR REUSE ON SITE.
- PROTECT ALL DISTURBED AREAS FROM EROSION.
- MINIMISE SEDIMENTATION.
- MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL COMPLETE REHABILITATION IS ACHIEVED.
- CONSTRUCT STABILISED EARTH BERMS TO DIRECT CLEAN RUNOFF FROM ENTERING THE DISTURBED SITE.
- WATER QUALITY BASIN TO BE USED AS A TEMPORARY SEDIMENT BASIN DURING CONSTRUCTION
- CONSTRUCT STABILISED DIVERSION BANKS TO COLLECT RUNOFF FROM DISTURBED AREAS AND DIRECT IT TO A SEDIMENT BASIN.
- PLACE SEDIMENT INLET TRAPS AROUND ALL PITS WITHIN AND DOWNSTREAM OF THE DEVELOPMENT.
- PLACE GRAVEL BAG GROYNES IN GUTTERS AT 20 - 25m INTERVALS.
- PLACE STRAWBALES IN SWALES AT 40 - 50m INTERVALS.
- PLACE STRAWBALES ACROSS OVERLAND FLOW PATH PRIOR TO THE RUNOFF ENTERING DRAINAGE SYSTEM.
- STOCKPILES OF MATERIAL TO BE PLACED AWAY FROM DRAINAGE FLOW PATHS AND HEAVILY TRAFFICABLE AREAS AND TO BE SURROUNDED BY SILT FENCING AT ALL TIMES.
- CONSTRUCT AN ALL WEATHER CONSTRUCTION ACCESS TO THE SITE.
- ALL DISTURBED AREAS ARE TO BE REVEGETATED OR OTHERWISE PROTECTED AS SOON AS PRACTICAL.
- ERECT AND MAINTAIN SILT FENCES AT THE DOWNSLOPE SIDE OF DISTURBED AREA DURING CONSTRUCTION.
- AREAS OUTSIDE THE BOUNDARIES OF THE PROPOSED DEVELOPMENT WILL BE FENCED WITH NO GO FENCING TO KEEP THE AREAS FREE FROM DISTURBANCE OF MACHINERY, PARKED VEHICLES AND WASTE MATERIAL.
- TREES TO BE RETAINED WITHIN THE CONSTRUCTION AREAS ARE TO BE PROTECTED BY TREE PROTECTION FENCING IN ACCORDANCE WITH THE APPROVED CMP.
- ESTABLISH A RESTRICTION BOUNDARY AROUND PROTECTED PLANT WITH PARAWEB FENCING. TEMPORARILY RELOCATE FENCE TO ALLOW CONSTRUCTION OF REQUIRED WORKS AND RE-ESTABLISH PROTECTION ZONE AFTER WORKS COMPLETES.
- THE SEDIMENT BASINS WILL REQUIRE MAINTENANCE THROUGHOUT THE CONSTRUCTION PROCESS. ADDITIONALLY, THE SEDIMENT BASINS WILL REQUIRE FLOCCULATION IN ACCORDANCE WITH APPENDIX E OF THE 'BLUE BOOK'. THE CONTRACTOR IS TO ABIDE BY APPENDIX E OF THE 'BLUE BOOK' TO ENSURE ADEQUATE FLOCCULATION OCCURS.
- THE CONTRACTOR IS TO INSPECT, CLEAN AND REPAIR ALL EROSION AND SEDIMENT CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD. IT IS EXPECTED THAT THE EROSION AND SEDIMENT CONTROL MEASURES ARE INSPECTED DAILY AS WELL AS AFTER STORM EVENTS BY THE CONTRACTOR. THE CONTRACTOR IS TO CLEAN AND REPAIR EROSION AND SEDIMENT CONTROL MEASURES TO ENSURE THEY ARE ABLE TO COMPLETE THE REQUIRED TASK AS PER FIRST INSTALLATION.
- EROSION CONTROL SHOWN IS INDICATIVE ONLY AND SHALL BE A GUIDE FOR THE CONTRACTOR TO PREPARE THEIR OWN EROSION CONTROL DOCUMENTATION PRIOR TO CONSTRUCTION.

LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR CONTOURS
- MINOR CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- SEDIMENT/SILT FENCING
- NO-GO FENCING
- DIVERSION DRAIN
- CLEAN WATER DIVERSION DRAIN
- MULCH MOUND
- PROPOSED PIT INLET FILTER
- PROPOSED LINTEL INLET FILTER
- STRAWBALES
- GRAVEL/SAND BAGS
- SITE ACCESS/SHAKER RAMP
- STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	1:1000
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	0 25 50m A3 1:2000
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	12/02/20	SEDIMENT CONTROL MEASURES AMENDED	N.Mc.	J.D.	N.D.	N.D.	
G	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	N.Mc.	J.D.	N.D.	N.D.	

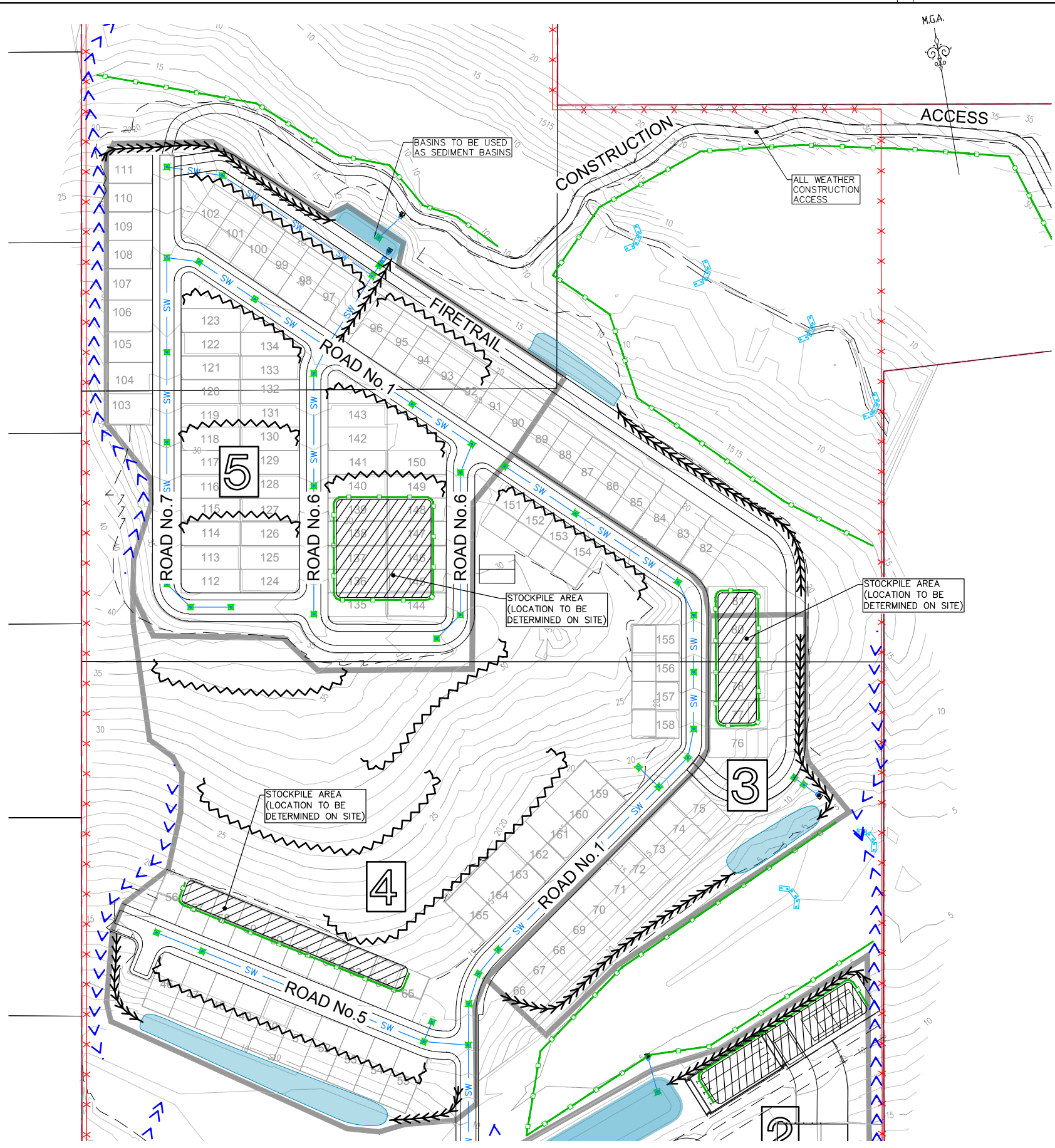
adw Johnson

Central Coast
5 Pioneer Avenue,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone: (02) 4305 4300
Fax: (02) 4305 4399
email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
CHOICE LIVING AVOCA DEVELOPMENT PTY LTD

PROPERTY DESCRIPTION
**LOT A, D.P. 449600,
LOTS 2, 3 & 9 IN D.P. 976794
AVOCA DRIVE, KINCUMBER**

PROJECT			
CHOICE LIVING AVOCA			
PLAN TITLE			
EROSION & SEDIMENT CONTROL PLAN SHEET 1			
SURVEYED	DATUM	PROJECT No.	DISCIPLINE
MAP & SURVEY	A.H.D.	190587	CENG
NUMBER	REV.	601	H



REFER SHEET 601 FOR CONTINUATION
EROSION & SEDIMENT CONTROL PLAN
SCALE 1:1000

LEGEND	
	SITE BOUNDARY
	PROPOSED LOT BOUNDARY
	EXISTING LOT BOUNDARY
	MAJOR CONTOURS
	MINOR CONTOURS
	PROPOSED KERB
	EXISTING KERB
	EXTENTS OF BATTER
	SEDIMENT/SILT FENCING
	NO-GO FENCING
	DIVERSION DRAIN
	CLEAN WATER DIVERSION DRAIN
	MULCH MOUND
	PROPOSED PIT INLET FILTER
	PROPOSED LINTEL INLET FILTER
	STRAWBALES
	GRAVEL/SAND BAGS
	SITE ACCESS/SHAKER RAMP
	STOCKPILE LOCATION

CONTOUR INTERVAL = 1.0m

Revised Universal Soil Loss Equation (RUSLE) - Area 3		
Catchment Area (A)	0.91	ha
Settling Zone		
Runoff Coefficient (Cv)	0.58	Appendix F Section F.3
85th % 5 day Rainfall Event (R)	45.8	Table 6.3a
Settling Zone Volume	241.73	m³
Sediment Zone		
Disturbed Site Area (hectares)	0.8	ha
2 year, 6-hour Rainfall	10.5	mm/hr
Rainfall Erosivity Factor, R	2411	
Soil Erodibility Factor, K	0.04	Appendix A, Figure A3
Slope Length Gradient Factor, LS	9.51	Table A1, pg A-9
Erosion Control Practice Factor, P	0.9	Table A2, pg A-11
Cover Factor, C	1	Figure A5, pg A-12
Sediment Zone Volume	121	m³
Total Storage Required (Settling + Sediment)	363	m³

AREA 3 STORAGE VOLUMES TO BE COMPRISED FROM:
TEMP. SEDIMENT BASIN (TYPE D) = 363m³

Revised Universal Soil Loss Equation (RUSLE) - Area 4		
Catchment Area (A)	4.55	ha
Settling Zone		
Runoff Coefficient (Cv)	0.58	Appendix F Section F.3
85th % 5 day Rainfall Event (R)	45.8	Table 6.3a
Settling Zone Volume	1208.7	m³
Sediment Zone		
Disturbed Site Area (hectares)	2.32	ha
2 year, 6-hour Rainfall	10.5	mm/hr
Rainfall Erosivity Factor, R	2411	
Soil Erodibility Factor, K	0.04	Appendix A, Figure A3
Slope Length Gradient Factor, LS	9.51	Table A1, pg A-9
Erosion Control Practice Factor, P	0.9	Table A2, pg A-11
Cover Factor, C	1	Figure A5, pg A-12
Sediment Zone Volume	604	m³
Total Storage Required (Settling + Sediment)	1813	m³

AREA 4 STORAGE VOLUMES TO BE COMPRISED FROM:
TEMP. SEDIMENT BASIN (TYPE D) = 1100m³
MULCH MOUNDS = 713m³

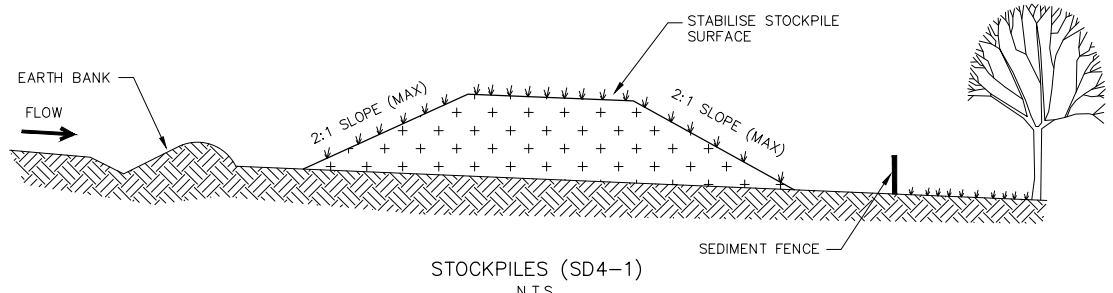
Revised Universal Soil Loss Equation (RUSLE) - Area 5		
Catchment Area (A)	2.5	ha
Settling Zone		
Runoff Coefficient (Cv)	0.58	Appendix F Section F.3
85th % 5 day Rainfall Event (R)	45.8	Table 6.3a
Settling Zone Volume	664.1	m³
Sediment Zone		
Disturbed Site Area (hectares)	2.99	ha
2 year, 6-hour Rainfall	10.5	mm/hr
Rainfall Erosivity Factor, R	2411	
Soil Erodibility Factor, K	0.04	Appendix A, Figure A3
Slope Length Gradient Factor, LS	5.77	Table A1, pg A-9
Erosion Control Practice Factor, P	0.9	Table A2, pg A-11
Cover Factor, C	1	Figure A5, pg A-12
Sediment Zone Volume	332	m³
Total Storage Required (Settling + Sediment)	996	m³

AREA 5 STORAGE VOLUMES TO BE COMPRISED FROM:
TEMP. SEDIMENT BASIN (TYPE D) = 297m³
MULCH MOUNDS = 699m³

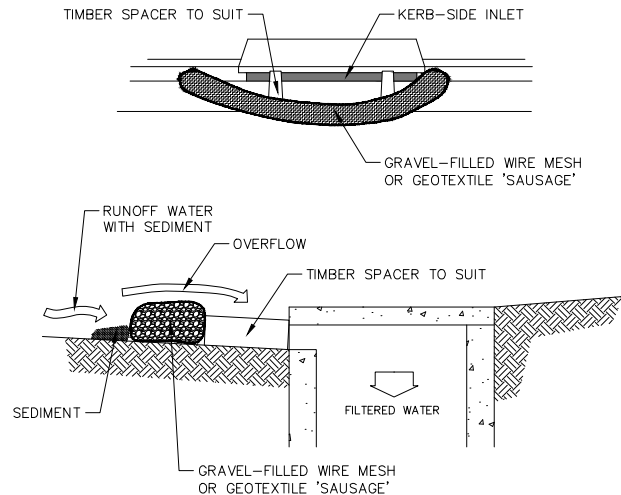


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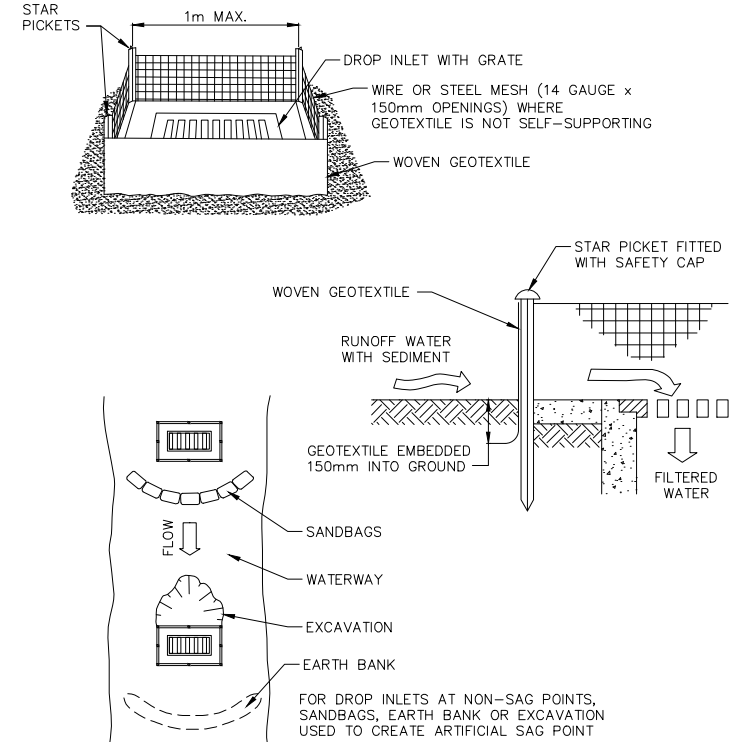
REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES	 A1 1:1000 A3 1:2000	 Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA			
PLAN TITLE EROSION & SEDIMENT CONTROL PLAN SHEET 2															
			SURVEYED		DATUM		PROJECT No.		DISCIPLINE		NUMBER		REV.		
A	16/10/19	PRELIMINARY ISSUE	N.M.c.	S.Z.	N.D.	N.D.									
B	18/10/19	DETAIL ADDED	N.M.c.	S.Z.	N.D.	N.D.									
C	25/10/19	GENERAL AMENDMENT	N.M.c.	S.Z.	N.D.	N.D.									
D	04/11/19	GENERAL AMENDMENT	N.M.c.	S.Z.	N.D.	N.D.									
E	02/12/19	GENERAL AMENDMENT	N.M.c.	J.D.	N.D.	N.D.									
F	12/02/20	SEDIMENT CONTROL MEASURES AMENDED	N.M.c.	J.D.	N.D.	N.D.									
G	03/03/20	CAR WASH ADDED	N.M.c.	J.D.	N.D.	N.D.									
H	11/11/20	CLIENT AMENDMENTS	N.M.c.	J.D.	N.D.	N.D.									
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- CONSTRUCTION NOTES:**
1. PLACE STOCKPILES MORE THAN 2 (PREFERABLY 5) METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
 2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
 3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.
 4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
 5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE.

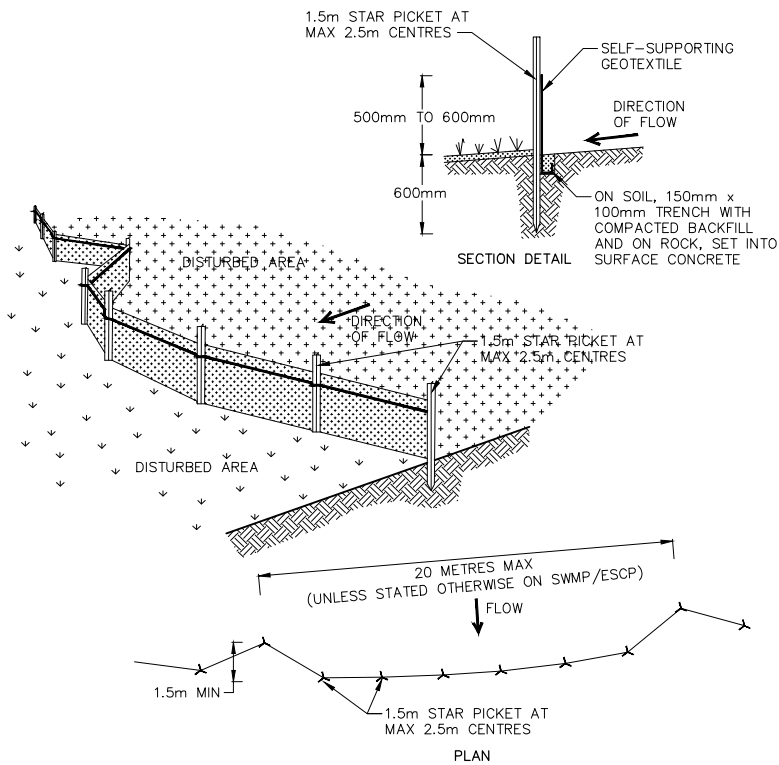


- NOTE:** THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN AN APPROVED SWMP/ESCP.
- MESH AND GRAVEL INLET FILTER (SD6-11)**
N.T.S.
- CONSTRUCTION NOTES:**
1. INSTALL FILTERS TO KERB INLETS ONLY ONLY AT SAG POINTS.
 2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
 3. FORM AN ELLIPTICAL CROSS SECTION ABOUT 150mm HIGH x 400mm WIDE.
 4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
 5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
 6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.



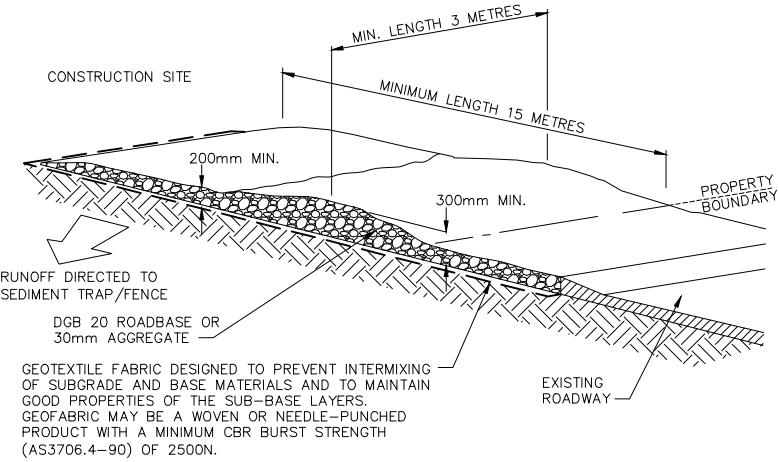
- CONSTRUCTION NOTES:**
1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
 2. REFER STANDARD DRAWINGS 6-7 & 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
 3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
 4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER (SD6-12)
N.T.S.



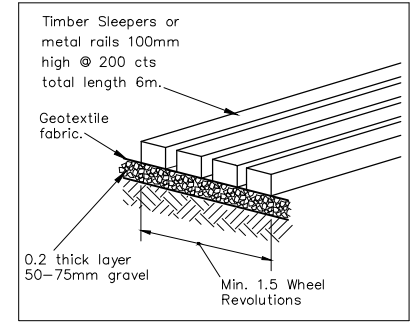
SEDIMENT FENCE (SD6-8)
N.T.S.

- CONSTRUCTION NOTES:**
1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
 2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
 3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
 4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
 5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
 6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.



STABILISED SITE ACCESS (SD6-14)
N.T.S.

- CONSTRUCTION NOTES:**
1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
 2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
 3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
 4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
 5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.



SHAKER RAMP

NOT FOR CONSTRUCTION

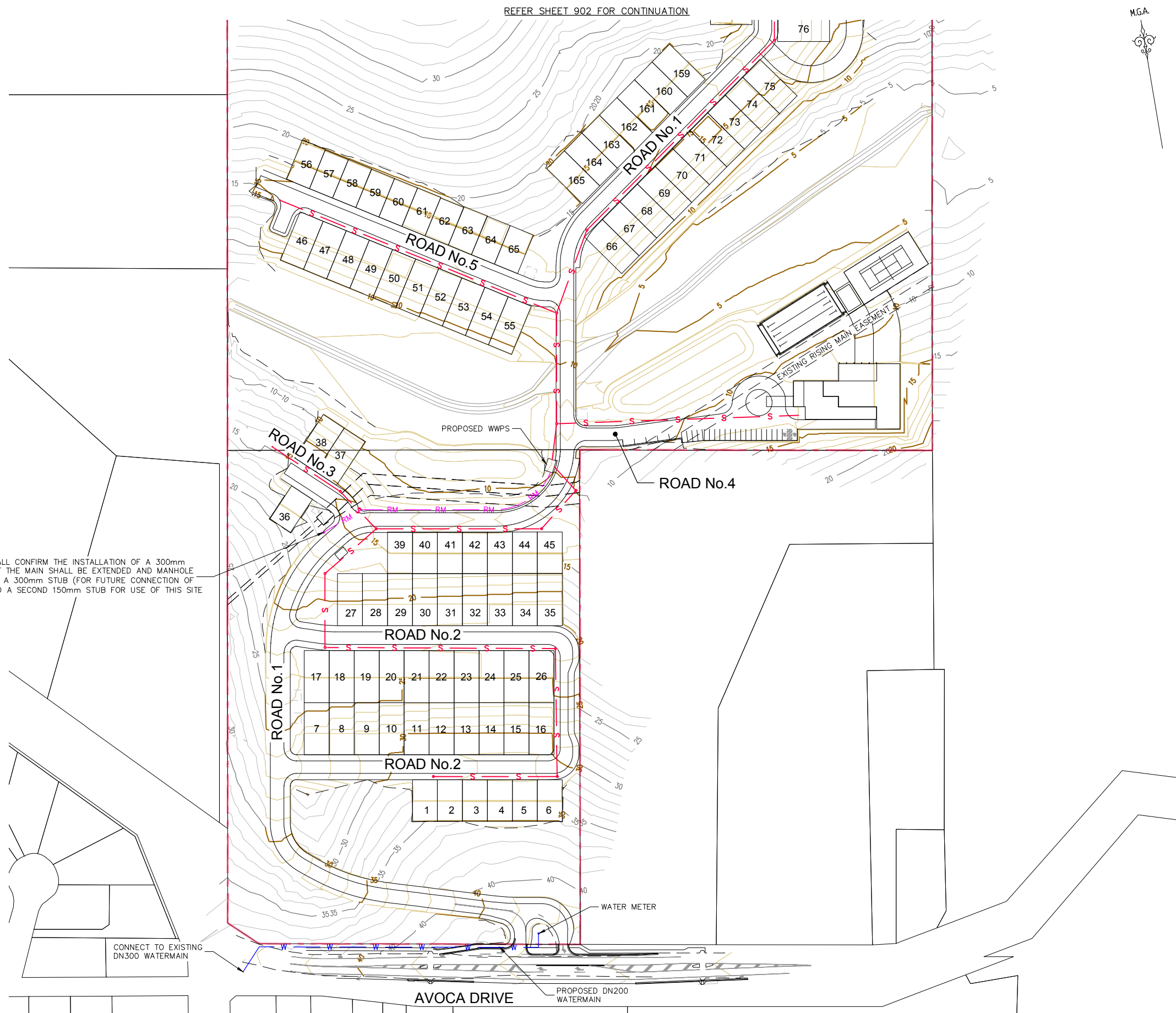


100mm AT FULL SIZE
This plan includes coloured information. If you have a black and white copy you do not have all of the information. This note is coloured RED.

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.	
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.	
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.	
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.	
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.	
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.	
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.	

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Plotted By:	Jeremy Dick	Plot Date: 12/11/20 10:17:37AM
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	Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohnson.com.au www.adwjohnson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER	PROJECT CHOICE LIVING AVOCA PLAN TITLE EROSION & SEDIMENT CONTROL DETAILS & NOTES		
SURVEYED MAP & SURVEY		DATUM A.H.D.	PROJECT No. 190587	DISCIPLINE CENG	NUMBER 611	REV. H



LEGEND	
	SITE BOUNDARY
	PROPOSED LOT BOUNDARY
	EXISTING LOT BOUNDARY
	MAJOR DESIGN CONTOURS
	MINOR DESIGN CONTOURS
	MAJOR NATURAL CONTOURS
	MINOR NATURAL CONTOURS
	PROPOSED KERB
	EXISTING KERB
	EXTENTS OF BATTER
	PROPOSED SEWER MAIN
	PROPOSED SEWER RISING MAIN
	PROPOSED WATERMAIN

CONTOUR INTERVAL = 1.0m

THE CONTRACTOR SHALL CONFIRM THE INSTALLATION OF A 300mm STUB AT WHICH POINT THE MAIN SHALL BE EXTENDED AND MANHOLE INSTALLED WITH BOTH A 300mm STUB (FOR FUTURE CONNECTION OF PICKETS VALLEY), AND A SECOND 150mm STUB FOR USE OF THIS SITE

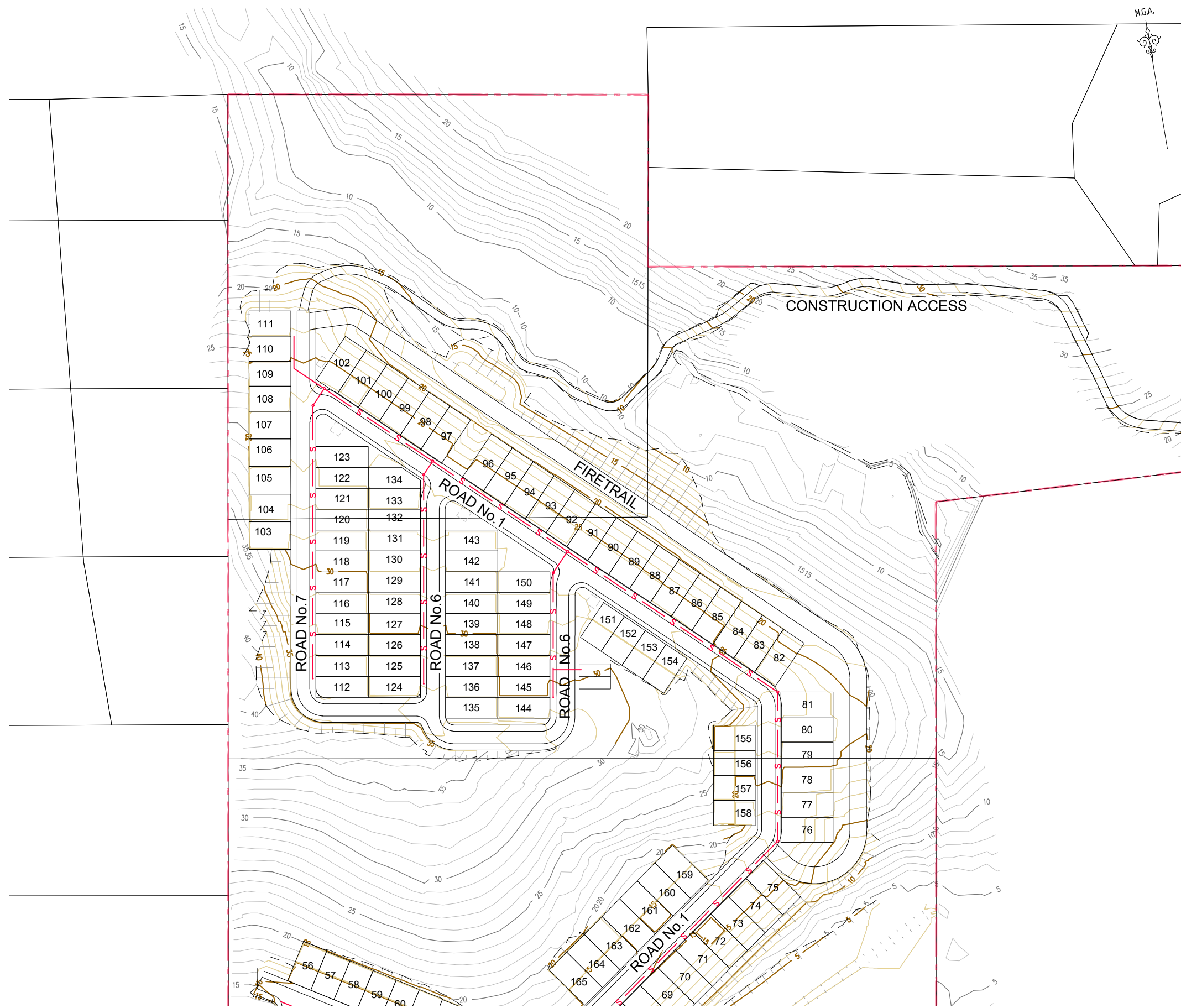
CONNECT TO EXISTING DN300 WATERMAIN

CONCEPT WATER & SEWER LAYOUT
SCALE 1:1000



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA				
PLAN TITLE CONCEPT WATER & SEWER LAYOUT SHEET 1																	
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.	A1						PROJECT No. 190587	DISCIPLINE CENG	NUMBER 901	REV. H	
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.											
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.											
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.											
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.											
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.											
G	06/11/20	LAYOUT AMENDED	N.Mc.	J.D.	N.D.	N.D.											
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.											



LEGEND

- SITE BOUNDARY
- PROPOSED LOT BOUNDARY
- EXISTING LOT BOUNDARY
- MAJOR DESIGN CONTOURS
- MINOR DESIGN CONTOURS
- MAJOR NATURAL CONTOURS
- MINOR NATURAL CONTOURS
- PROPOSED KERB
- EXISTING KERB
- EXTENTS OF BATTER
- PROPOSED SEWERMAIN
- PROPOSED SEWER RISING MAIN
- PROPOSED WATERMAIN

CONTOUR INTERVAL = 1.0m

CONCEPT WATER & SEWER LAYOUT
SCALE 1:1000

REFER SHEET 901 FOR CONTINUATION



NOT FOR CONSTRUCTION

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED	SCALES		Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
PLAN TITLE CONCEPT WATER & SEWER LAYOUT SHEET 2																
A	16/10/19	PRELIMINARY ISSUE	N.Mc.	S.Z.	N.D.	N.D.			Central Coast 5 Pioneer Avenue, P.O. Box 3717, Tuggerah N.S.W. 2259 Phone: (02) 4305 4300 Fax: (02) 4305 4399 email: coast@adwjohanson.com.au www.adwjohanson.com.au ABN 62 129 445 398	CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD	PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA			
B	18/10/19	DETAIL ADDED	N.Mc.	S.Z.	N.D.	N.D.										
C	25/10/19	GENERAL AMENDMENT	N.Mc.	N.Mc.	N.D.	N.D.										
D	04/11/19	GENERAL AMENDMENT	N.Mc.	S.Z.	N.D.	N.D.										
E	02/12/19	GENERAL AMENDMENT	N.Mc.	J.D.	N.D.	N.D.										
F	03/03/20	CAR WASH ADDED	N.Mc.	J.D.	N.D.	N.D.										
G	06/11/20	LAYOUT AMENDED	J.D.	S.Z.	N.D.	N.D.										
H	11/11/20	CLIENT AMENDMENTS	J.D.	J.D.	N.D.	N.D.										
DESIGN FILE S:\190587\DESIGN\12D\SW CONCEPT\CONCEPT_ENG.project ALL DIMENSIONS ARE IN METRES. DO NOT SCALE										CLIENT CHOICE LIVING AVOCA DEVELOPMENT PTY LTD		PROPERTY DESCRIPTION LOT A, D.P. 449600, LOTS 2, 3 & 9 IN D.P. 976794 AVOCA DRIVE, KINCUMBER		PROJECT CHOICE LIVING AVOCA		
SURVEYED MAP & SURVEY DATUM A.H.D.												PROJECT No. 190587	DISCIPLINE CENG	NUMBER 902	REV. H	