

Table of Contents

TP Town Planning Drawing List								
Drawing No.	Drawing Name							
TP000	Cover Page							
TP001	Table of Contents							
TP100	Community - Masterplan							
TP200	Clubhouse Precinct Plan							
TP201	Clubhouse - Building A							
TP202	Clubhouse - Building B							
TP300	Building A North & South Elevations							
TP301	Building A East & West Elevations							
TP302	Building B North & South Elevations							
TP303	Building B East & West Elevations							
TP304	Building A & B Sections							
TP400	Community - Masterplan (Area Calc)							



Project Name

Date

Scale

Project Number



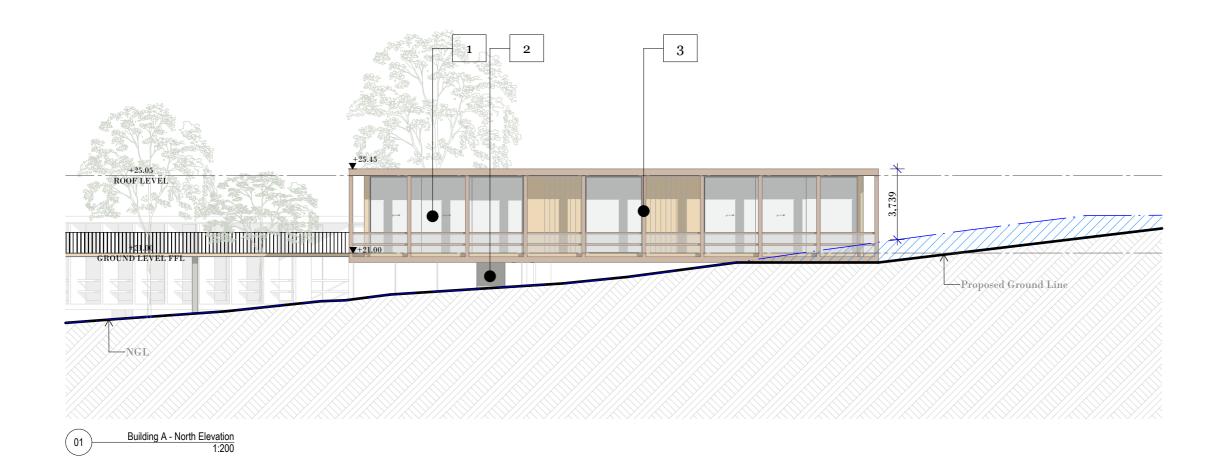


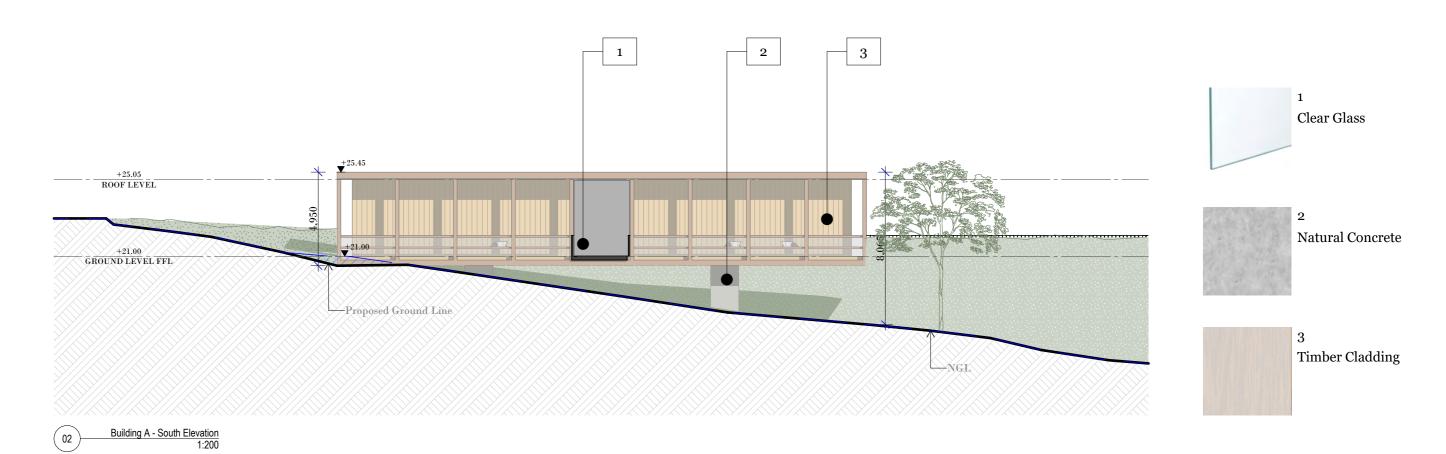












By Chk Description

- 28/09/2023 JH SM Issued for DA

01 22/03/2024 MC/CC SM Issued for RFI

02 29/05/2024 CC SM Issued for RFI

Rev Date

Ingenia Woolgoolga

00013288

1:200@A3

29/05/2024

Drawing Name

Revision

Drawing Number

Project Name

Date

Scale

Project Number

Building A North & South Elevations

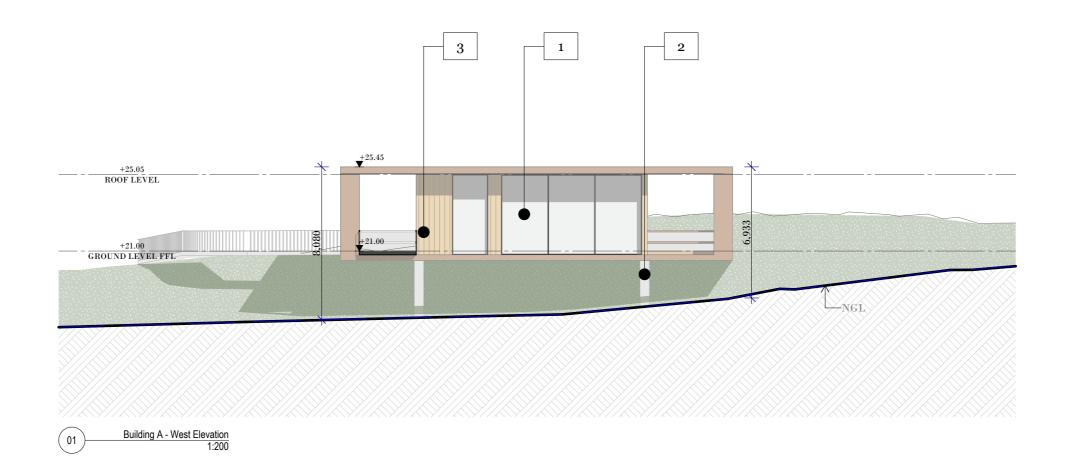
TP300

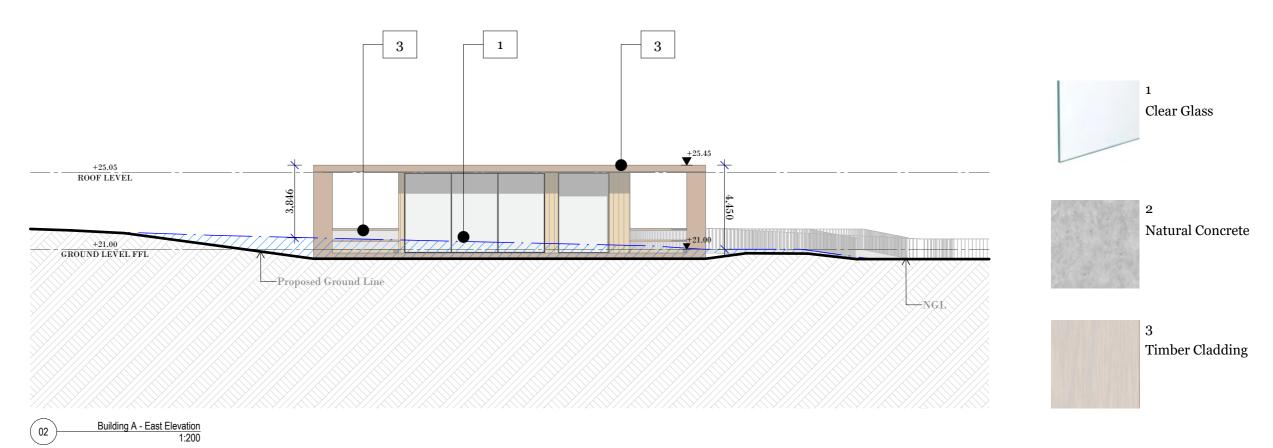
 $\mathbf{02}$



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 Rev Date
 By SM
 Chk Description

 - 28/09/2023
 JH SM
 Issued for DA

 01 22/03/2024
 MC/CC SM
 Issued for RFI

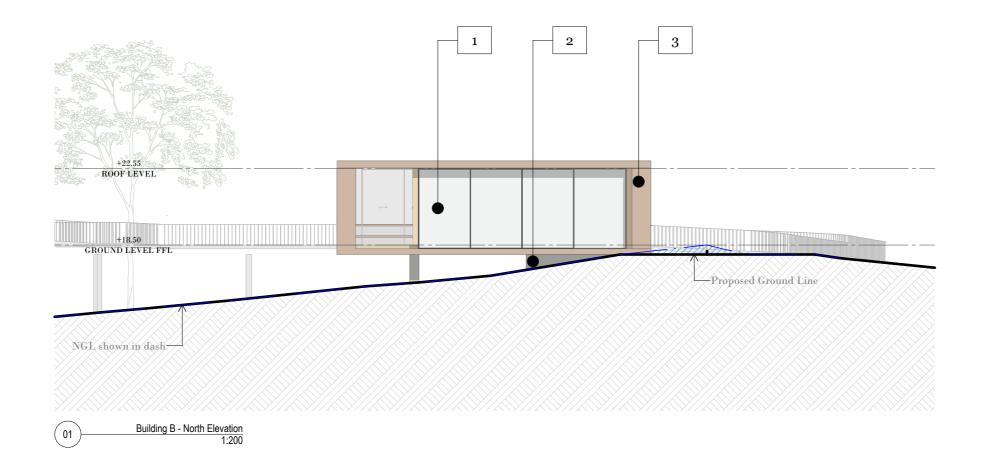
 02 29/05/2024
 CC SM
 Issued for RFI

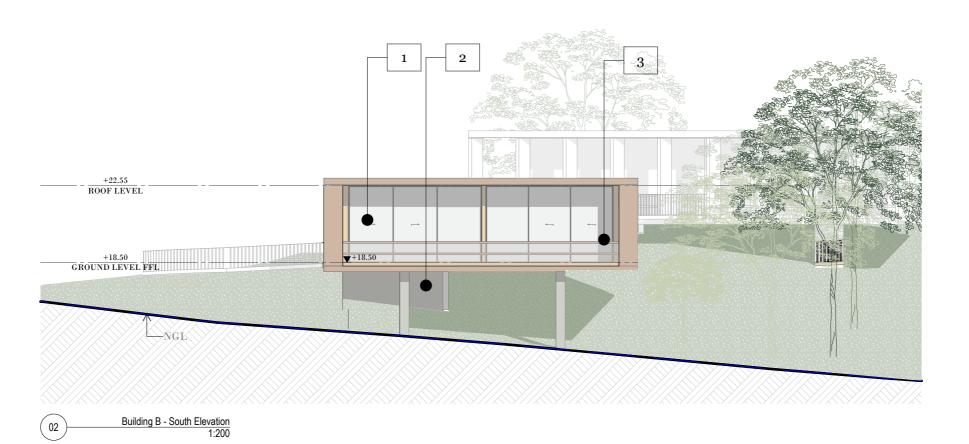
Project Name Ingenia Woolgoolga
Project Number 00013288
Date 29/05/2024
Scale 1:200@A3

Drawing Name
Drawing Number

Building A East & West Elevations

Drawing Number **TP301**Revision **02**







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By Chk Description Rev Date - 28/09/2023 JH SM Issued for DA 01 22/03/2024 MC/CC SM Issued for RFI $02 \quad 29/05/2024 \quad \ CC \quad \ SM \quad Issued for RFI$

Ingenia Woolgoolga Project Name Project Number 00013288 Date 29/05/2024 Scale 1:200@A3

Drawing Name

Building B North & South Elevations

3

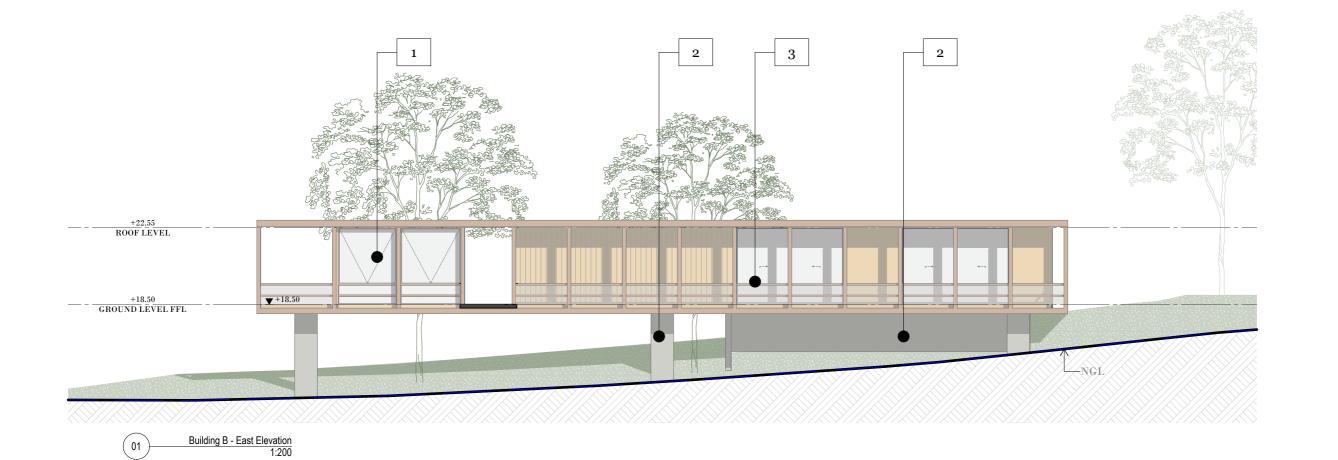
Clear Glass

Natural Concrete

Timber Cladding

Drawing Number Revision

TP302 $\mathbf{02}$





Rev Date

By Chk Description

- 28/09/2023 JH SM Issued for DA

01 22/03/2024 MC/CC SM Issued for RFI

02 29/05/2024 CC SM Issued for RFI

Ingenia Woolgoolga

00013288

1:200@A3

29/05/2024

Drawing Name

Revision

Drawing Number **TP303**

 $\mathbf{02}$

Project Name

Date

Scale

Project Number

Building B East & West Elevations

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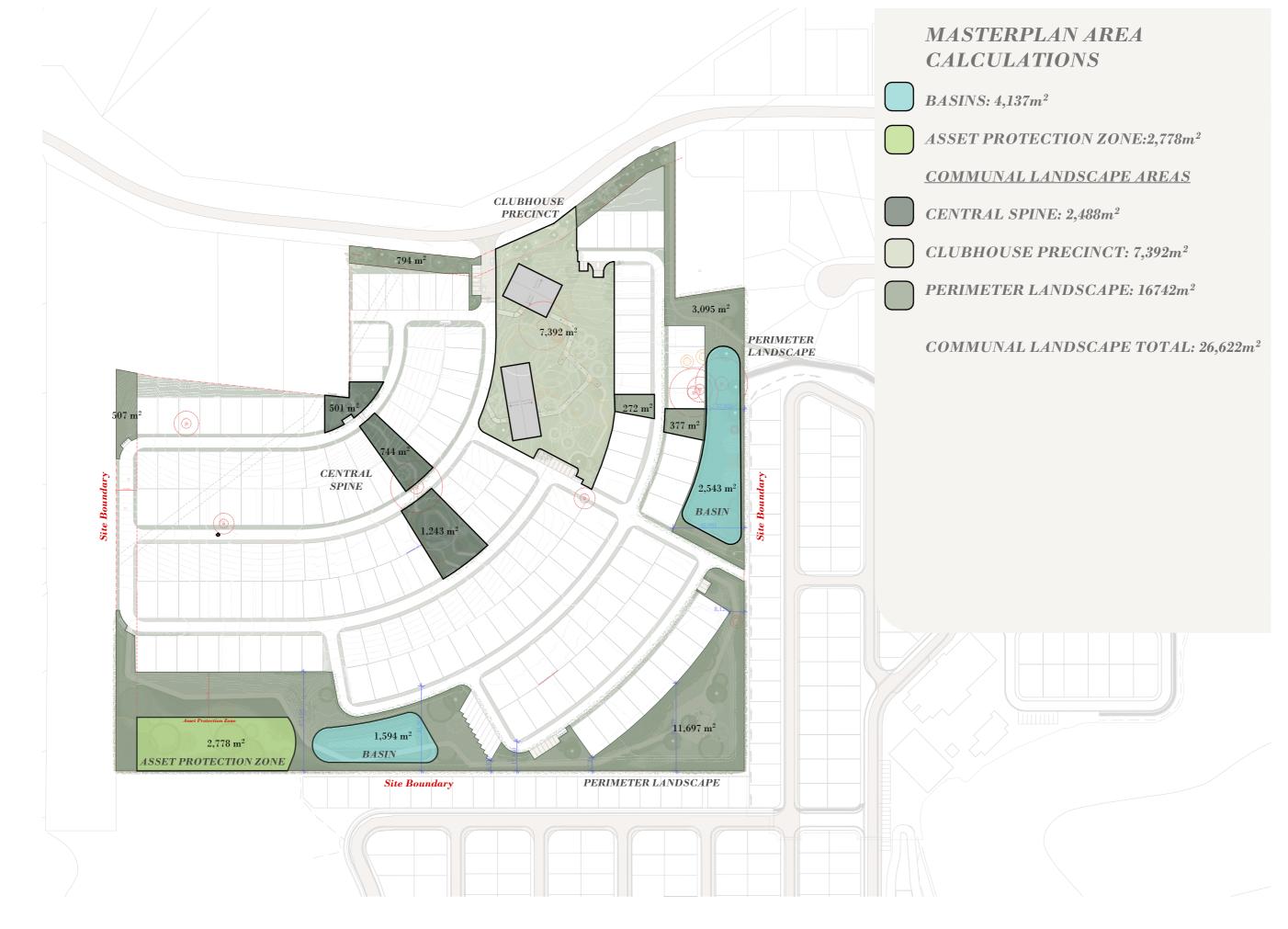
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 $02 \quad 29/05/2024 \quad \ CC \quad \ SM \quad Issued for RFI$

Scale 1:200@A3 Drawing Name Drawing Number **TP304**

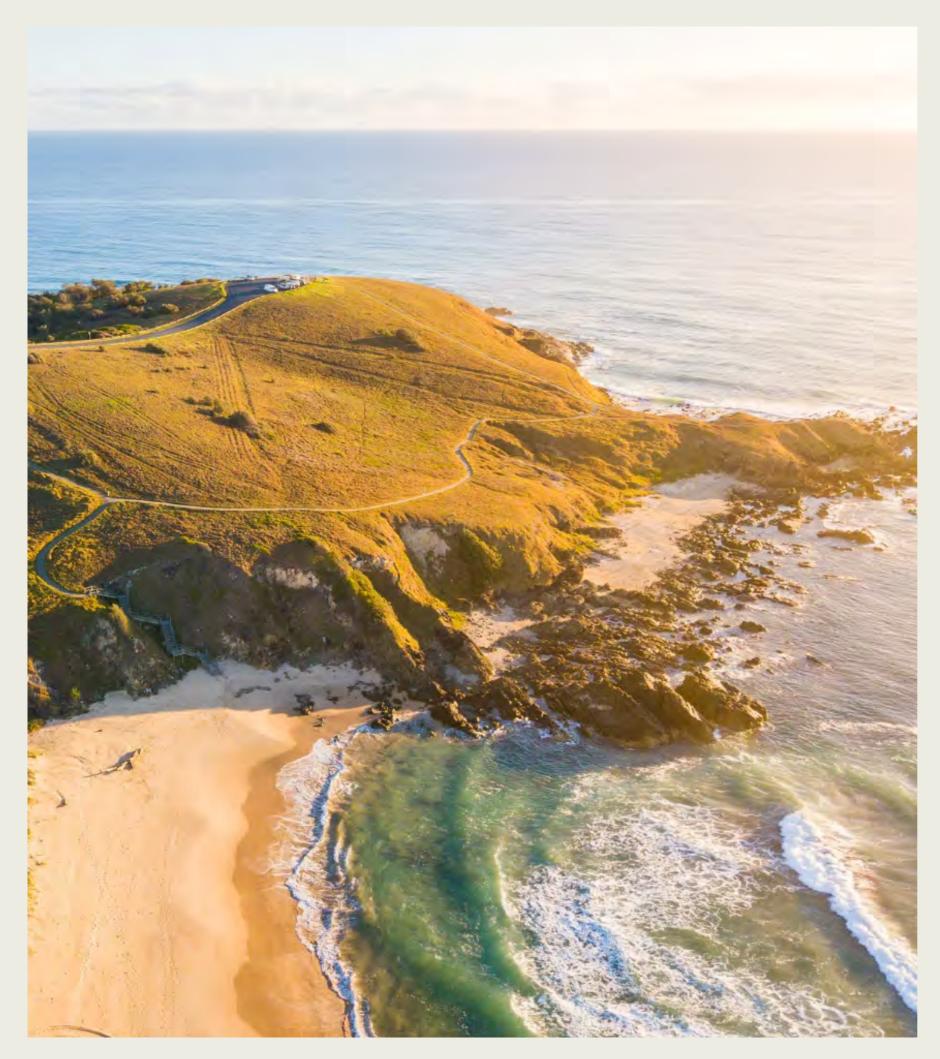
Building A & B Sections

 $\mathbf{02}$











Ingenia Communities Woolgoolga Landscape

DA Application



Masterplan

Community Entry

2

Clubhouse Precinct

(3)

Bio Retention Basin

(4)

Boundary

(5)

Boardwalk Path

(6)

Central Park

Community Garden



the masterplan landscape is defined into different zones responding to different use

Project Name Project Number Date Scale

Ingenia Woolgoolga 00013288 29/05/2024 1:2000@A3

Drawing Name Masterplan

Revision

Drawing Number DA2 02



Newmans Road **02** 5 TURNING BAY

The Entry

Entry Signage

2

Pedestrian Path

3

Entry Gates

(4)

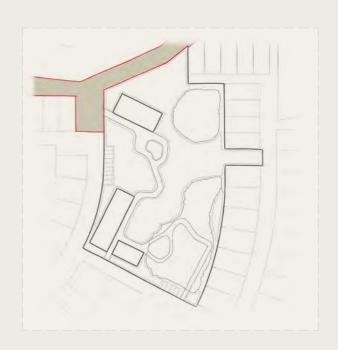
Community Map

5

Clubhouse

(6)

Parking



| Project Name Project Number Scale

Ingenia Woolgoolga 29/05/2024 1:200@A3

| Drawing Name | The Entry Drawing Number DA3 Revision

Entry Look & Feel





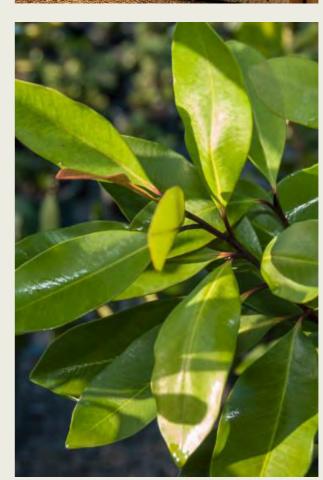














Ingenia Woolgoolga 29/05/2024 1:1.66@A3

Drawing Name Entry Look & Feel Drawing Number DA4 02 Revision

The Clubhouse Precinct



Existing &



To be Removed



Not Located on



Not Located on Survey or Arborist Plan

On Survey - Not Arborist Report



Tree 26 Replacements



Tree 27 Replacements



Tree 29 Replacements



Tree 34 Replacements



The Boardwalks& Outlooks



The Open Green



Pickle Ball



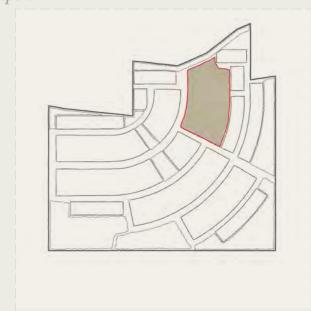
Existing Trees



Pause Point



Parking



| Project Name Project Number Scale

Ingenia Woolgoolga 00013288 29/05/2024 1:500@A3

Drawing Number DA5

Revision

Drawing Name The Clubhouse Precinct

Clubhouse Precinct Look & Feel

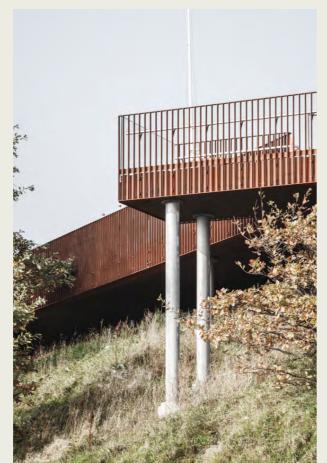
















Scale

| Project Name | Ingenia Woolgoolga 29/05/2024 @A3

Drawing Number DA6 Revision

Drawing Name Clubhouse Look & Feel 02

Tree 01 SRZ 3.6M TPZ 4.3M $TPZ 1\overline{4M}$ SRZ 2.3M Tree 20

The Green

The Open Green (Outdoor Cinema / Food Trucks etc.)



Secondary Vehicular Access



Pause Point



Boardwalks



Project Name Project Number Scale

Ingenia Woolgoolga 00013288 29/05/2024 1:200@A3

Drawing Name The Green Drawing Number DA7

Revision



The Boardwalk

Boardwalks



Outlook Points

(3)

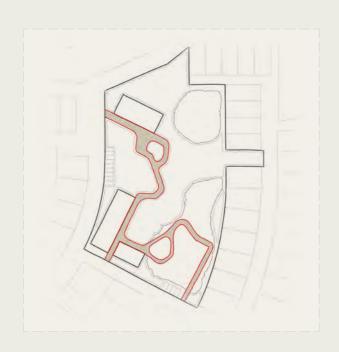
Connecting Path



Pickle Ball Court



Existing Trees



Project Name Project Number Scale

Ingenia Woolgoolga 00013288 29/05/2024 1:200@A3

Drawing Name The Boardwalk Drawing Number DA8

Revision



The Boundary

Boardwalks



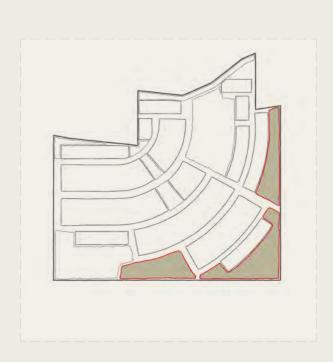
BBQ Gatherhing Point

(3)

Outdoor Seating / Dining



Boundary Softened Landscape Esge



| Project Name | Project Number Scale

Ingenia Woolgoolga 00013288 29/05/2024 1:250@A3

Drawing Number DA9

Revision

2

BBQ Gatherhing Point

(3)

Outdoor Seating / Dining

Boundary Softened Landscape Esge

Central Landscaping



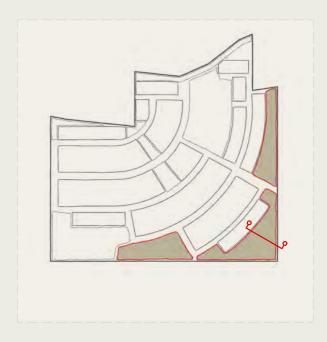
Plantations 1.0

Perimetre

Community

Garden

Plantations 2.0



| Project Name Project Number Scale

Ingenia Woolgoolga 29/05/2024 1:200@A3

Drawing Name Drawing Number DA10 Revision

Section 02

Tree 34 **4**Tree 33

The Park

Boardwalks

2

BBQ Gatherhing Point

3

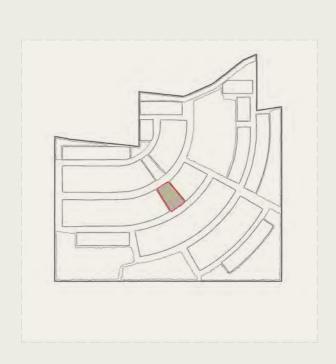
Rest Points

4

Existing Tree

5

Bin Bay

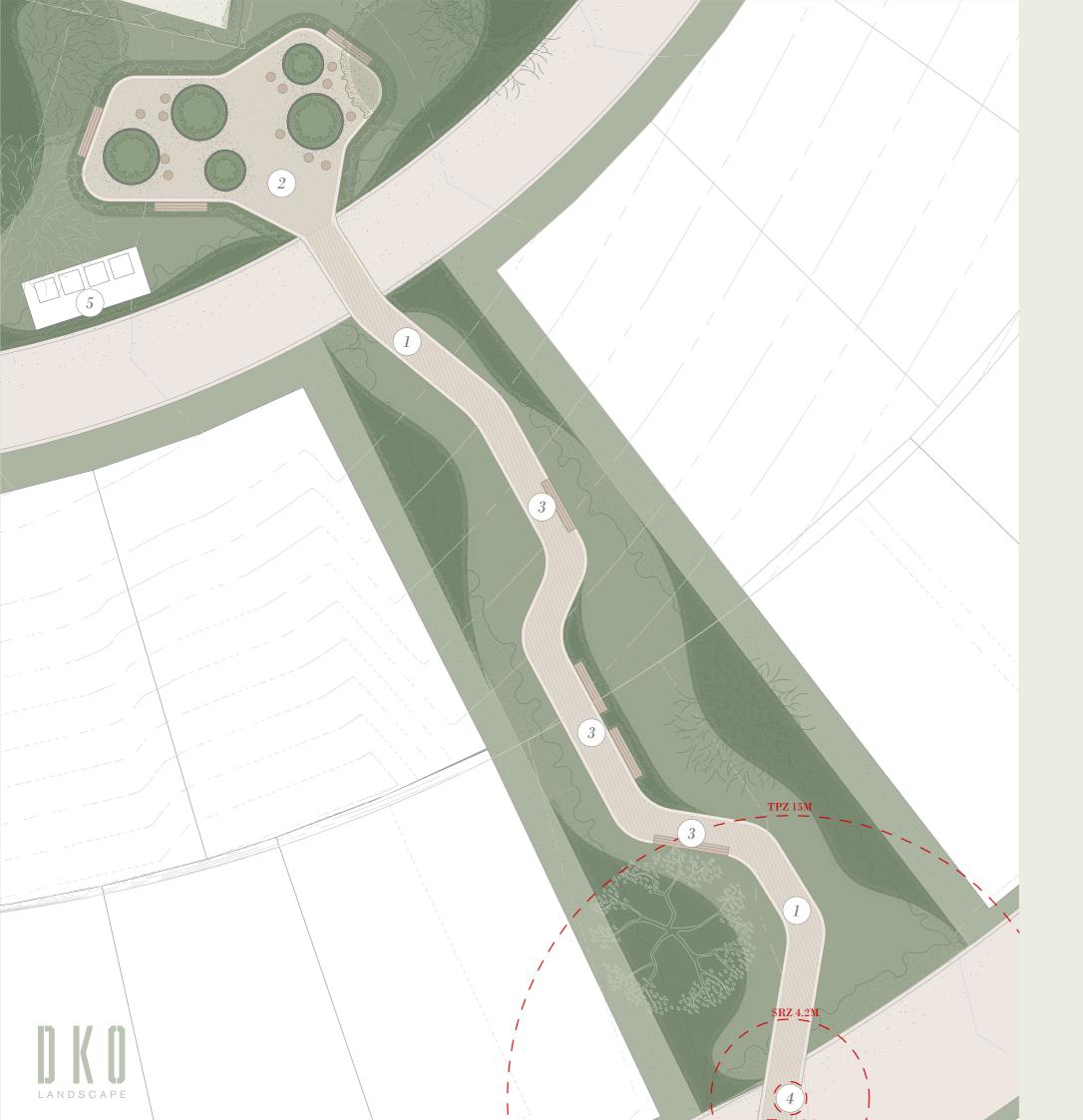


| Project Name | Project Number Scale

Ingenia Woolgoolga 29/05/2024 1:200@A3

Drawing Name The Park Drawing Number DA11

Revision



The Park

Boardwalks

2

Community Herb Gardeb

3

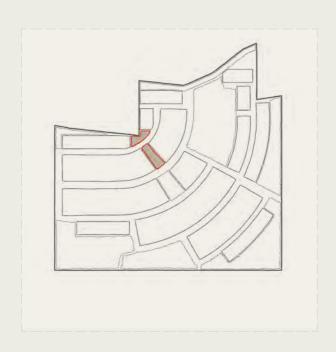
Rest Points

4

Existing Tree to be Removed

5

Existing Tree to be Removed



| Project Name Scale

Ingenia Woolgoolga 29/05/2024 1:200@A3

Drawing Name The Park Drawing Number DA12

Revision

Planting Palette















Project Name Ingenia Woo Project Number 00013288 Date 29/05/2024 Scale

Ingenia Woolgoolga 29/05/2024 @A3





Project Number 00013288 Date Scale

Project Name Ingenia Woolgoolga 29/05/2024 1:500@A3

Drawing Number DA14

Revision

| Drawing Name | Newmans Road- Street Trees

Fencing Plan

Key



Vertical louvred fencing (1.8m high)



Rendered masonry fence (1.8m high)

Project Name Scale

Ingenia Woolgoolga 29/05/2024 1:1000@A3

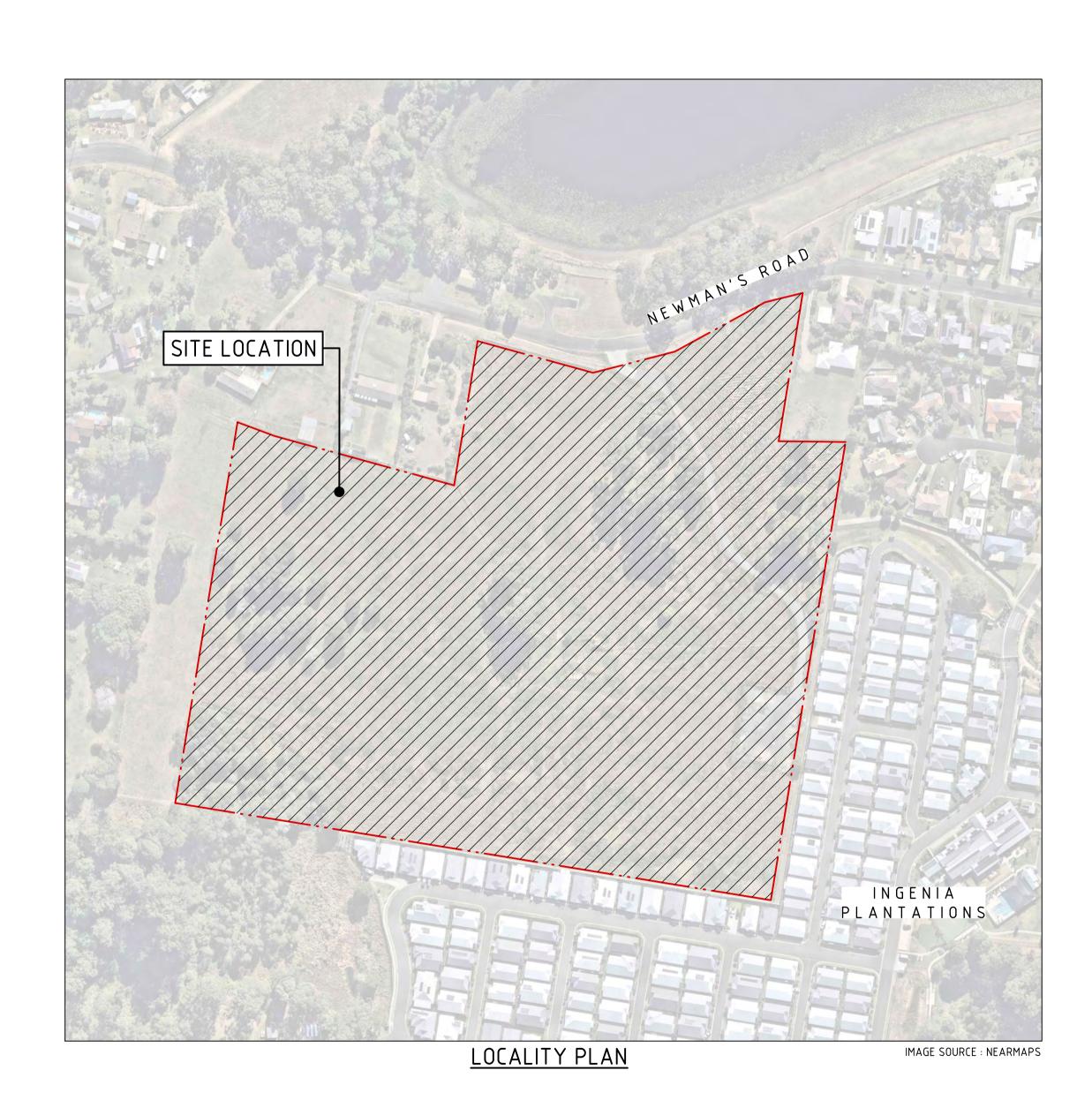
Drawing Name Fencing Plan Drawing Number DA15 Revision



PROPOSED LIFESTYLE COMMUNITY

NEWMAN'S ROAD, WOOLGOOLGA, NSW, 2456 DEVELOPMENT APPLICATION - CIVIL ENGINEERING PACKAGE





DRAWING SCHEDULE

SHEET No. SHEET TITLE

DA-C01.01 COVER SHEET, DRAWING SCHEDULE & LOCALITY PLAN

DA-C02.01 EROSION & SEDIMENT CONTROL PLAN

DA-C02.10 EROSION & SEDIMENT CONTROL DETAILS

DA-C03.01 BULK EARTHWORKS PLAN

DA-C03.51 SITE SECTIONS SHEET 1

DA-C04.01 GENERAL ARRANGEMENT AND ROAD HIERARCHY PLAN

DA-C04.10 CIVIL WORKS PLAN SHEET 1

DA-C04.11 CIVIL WORKS PLAN SHEET 2

DA-C05.01 LONGITUDINAL SECTIONS - MC01 & MC02

DA-C05.02 LONGITUDINAL SECTIONS - MC03 SHEET 1

DA-C05.03 LONGITUDINAL SECTIONS - MC03 SHEET 2 DA-C05.04 LONGITUDINAL SECTIONS - MC04

DA-C05.05 LONGITUDINAL SECTIONS - MC05

DA-C05.06 LONGITUDINAL SECTIONS - MC06

DA-06.01 SERVICE RETICULATION PLAN

DA-C09.01 CIVIL DETAILS SHEET 1

DA-C09.02 CIVIL DETAILS SHEET 2

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REVISION DESCRIPTION |ISSUED| VER'D | APP'D | DATE NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS 1 ISSUED FOR COORDINATION RK CP CP 29.09.23 2 ISSUED FOR APPROVAL RANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOU AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE. 3 ISSUED FOR APPROVAL RK | CP | CP | 21.03.24 Newcastle NOT TO SCALE THE COPYRIGHT OF THIS DRAWING REMAINS WITH ABN 81 094 433 100 UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED NORTHROP CONSULTING ENGINEERS PTY LTD



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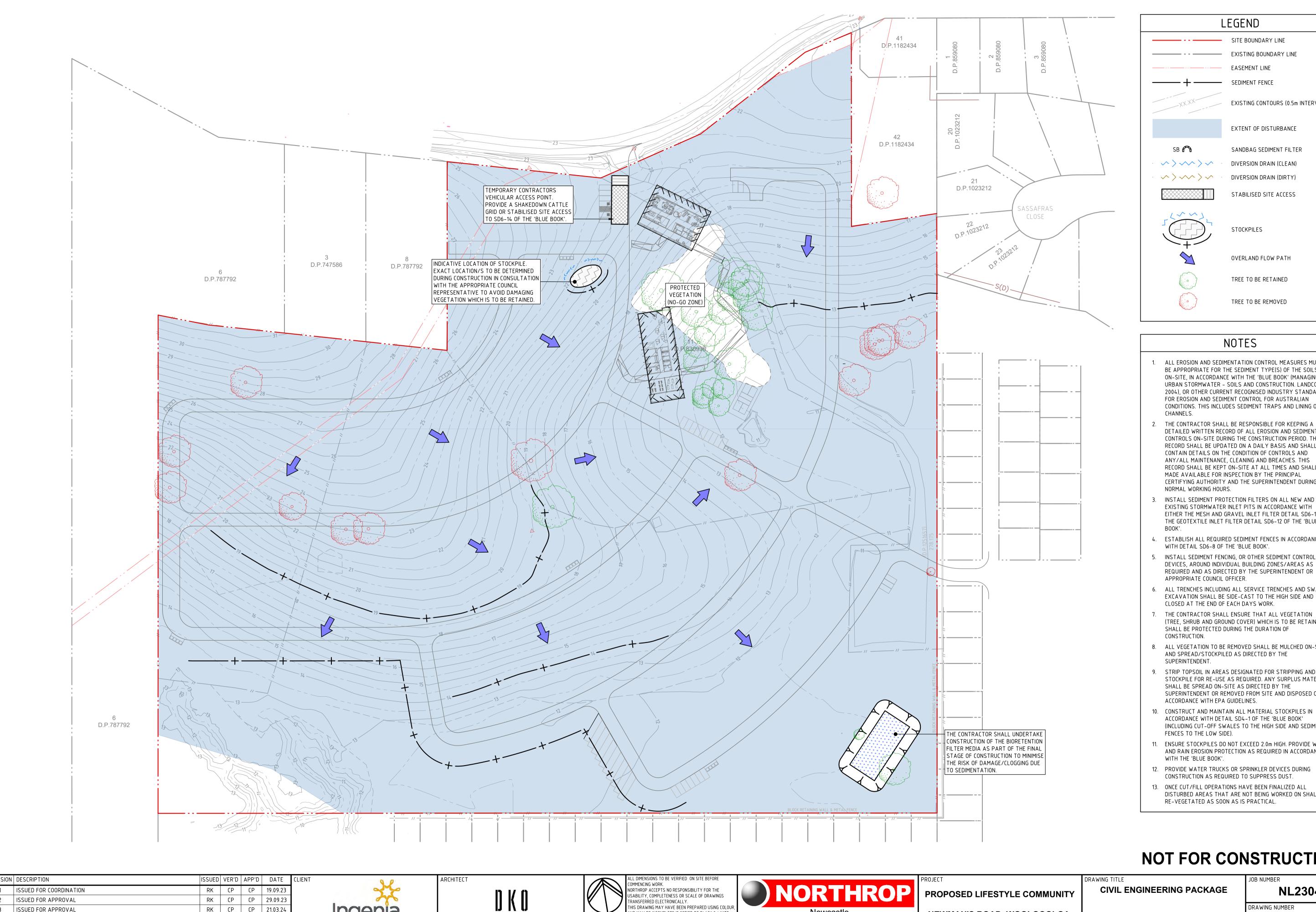
PROPOSED LIFESTYLE COMMUNITY **NEWMAN'S ROAD, WOOLGOOLGA,** N.S.W, 2456

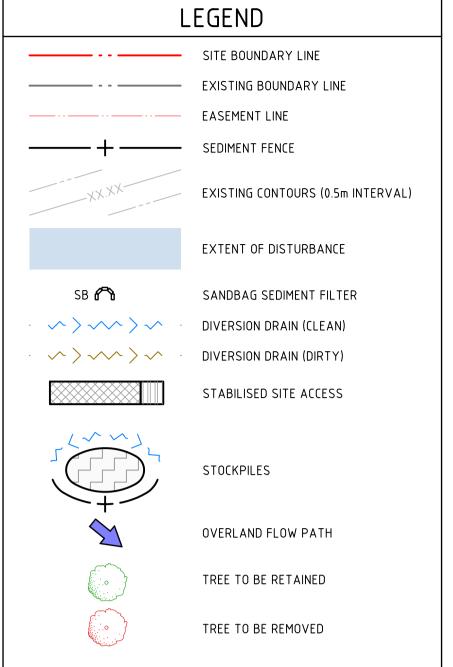
CIVIL ENGINEERING PACKAGE

COVER SHEET, DRAWING SCHEDULE & LOCALITY PLAN

NL230461

DRAWING NUMBER **DA-C01.01** DRAWING SHEET SIZE = A1



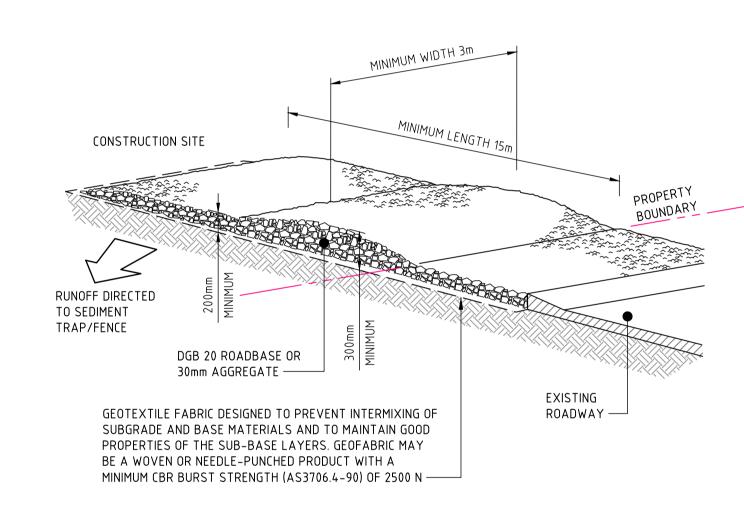


NOTES

- 1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE APPROPRIATE FOR THE SEDIMENT TYPE(S) OF THE SOILS ON-SITE, IN ACCORDANCE WITH THE 'BLUE BOOK' (MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION. LANDCOM, 2004), OR OTHER CURRENT RECOGNISED INDUSTRY STANDARDS FOR EROSION AND SEDIMENT CONTROL FOR AUSTRALIAN CONDITIONS. THIS INCLUDES SEDIMENT TRAPS AND LINING OF
- DETAILED WRITTEN RECORD OF ALL EROSION AND SEDIMENT CONTROLS ON-SITE DURING THE CONSTRUCTION PERIOD. THIS RECORD SHALL BE UPDATED ON A DAILY BASIS AND SHALL CONTAIN DETAILS ON THE CONDITION OF CONTROLS AND ANY/ALL MAINTENANCE, CLEANING AND BREACHES. THIS RECORD SHALL BE KEPT ON-SITE AT ALL TIMES AND SHALL BE MADE AVAILABLE FOR INSPECTION BY THE PRINCIPAL CERTIFYING AUTHORITY AND THE SUPERINTENDENT DURING
- 3. INSTALL SEDIMENT PROTECTION FILTERS ON ALL NEW AND EXISTING STORMWATER INLET PITS IN ACCORDANCE WITH EITHER THE MESH AND GRAVEL INLET FILTER DETAIL SD6-11 OR THE GEOTEXTILE INLET FILTER DETAIL SD6-12 OF THE 'BLUE
- 4. ESTABLISH ALL REQUIRED SEDIMENT FENCES IN ACCORDANCE WITH DETAIL SD6-8 OF THE 'BLUE BOOK'.
- 5. INSTALL SEDIMENT FENCING, OR OTHER SEDIMENT CONTROL DEVICES, AROUND INDIVIDUAL BUILDING ZONES/AREAS AS REQUIRED AND AS DIRECTED BY THE SUPERINTENDENT OR
- 6. ALL TRENCHES INCLUDING ALL SERVICE TRENCHES AND SWALE EXCAVATION SHALL BE SIDE-CAST TO THE HIGH SIDE AND CLOSED AT THE END OF EACH DAYS WORK.
- 7. THE CONTRACTOR SHALL ENSURE THAT ALL VEGETATION (TREE, SHRUB AND GROUND COVER) WHICH IS TO BE RETAINED SHALL BE PROTECTED DURING THE DURATION OF
- 8. ALL VEGETATION TO BE REMOVED SHALL BE MULCHED ON-SITE AND SPREAD/STOCKPILED AS DIRECTED BY THE
- 9. STRIP TOPSOIL IN AREAS DESIGNATED FOR STRIPPING AND STOCKPILE FOR RE-USE AS REQUIRED. ANY SURPLUS MATERIAL SHALL BE SPREAD ON-SITE AS DIRECTED BY THE SUPERINTENDENT OR REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH EPA GUIDELINES.
- 10. CONSTRUCT AND MAINTAIN ALL MATERIAL STOCKPILES IN ACCORDANCE WITH DETAIL SD4-1 OF THE 'BLUE BOOK' (INCLUDING CUT-OFF SWALES TO THE HIGH SIDE AND SEDIMENT
- 11. ENSURE STOCKPILES DO NOT EXCEED 2.0m HIGH. PROVIDE WIND AND RAIN EROSION PROTECTION AS REQUIRED IN ACCORDANCE
- 12. PROVIDE WATER TRUCKS OR SPRINKLER DEVICES DURING
- 13. ONCE CUT/FILL OPERATIONS HAVE BEEN FINALIZED ALL DISTURBED AREAS THAT ARE NOT BEING WORKED ON SHALL BE RE-VEGETATED AS SOON AS IS PRACTICAL.

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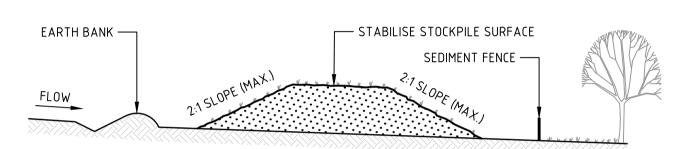
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2 ISSUED FOR APPROVAL	RK CP CP 29.09.23								
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CONSTRUCTION NOTES

- 1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
- COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
 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
- 4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LUNG 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.

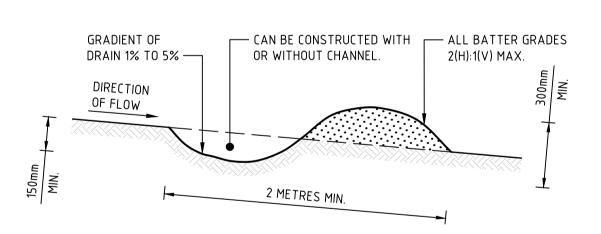
STABILISED SITE ACCESS (SD 6-14)



CONSTRUCTION NOTES

- PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
- 2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
- WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
 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 2m DOWNSLOPE.

STOCKPILES (SD 4-1)

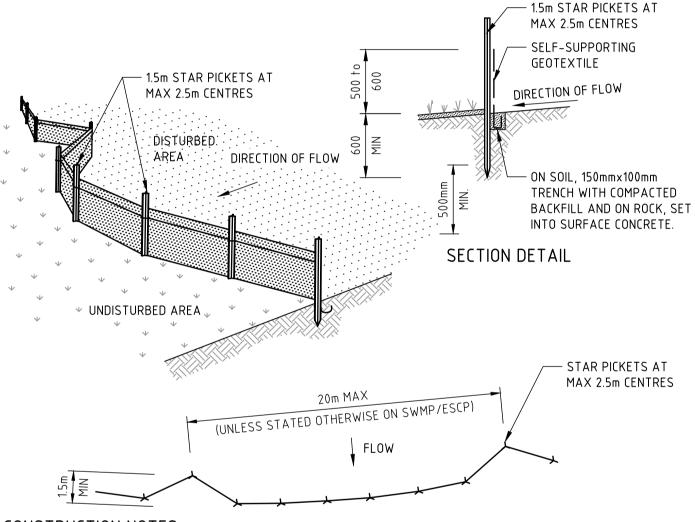


NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

CONSTRUCTION NOTES

- 1. BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
- 2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE WORK AROUND THEM.
- 3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
- 4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
- 5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
- 6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

EARTH BANK - LOW FLOW (SD 5-5)



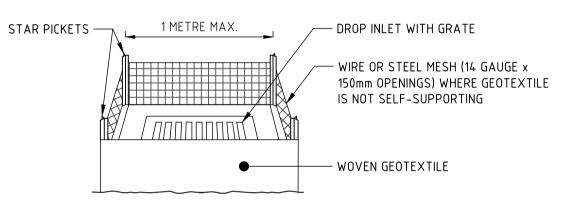
CONSTRUCTION NOTES

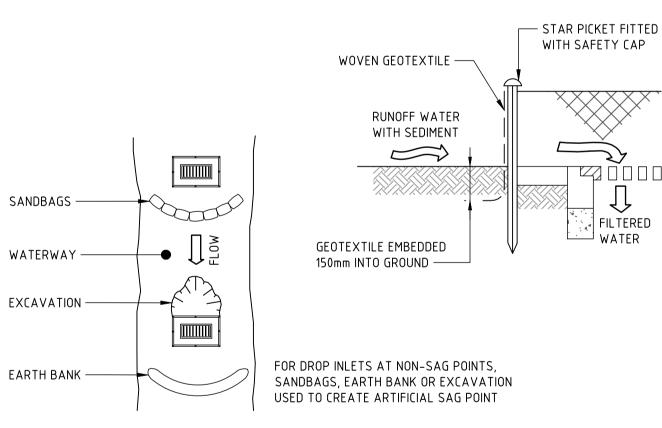
- 1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER 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 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE
- 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.

SEDIMENT FENCE (SD 6-8)





CONSTRUCTION NOTES

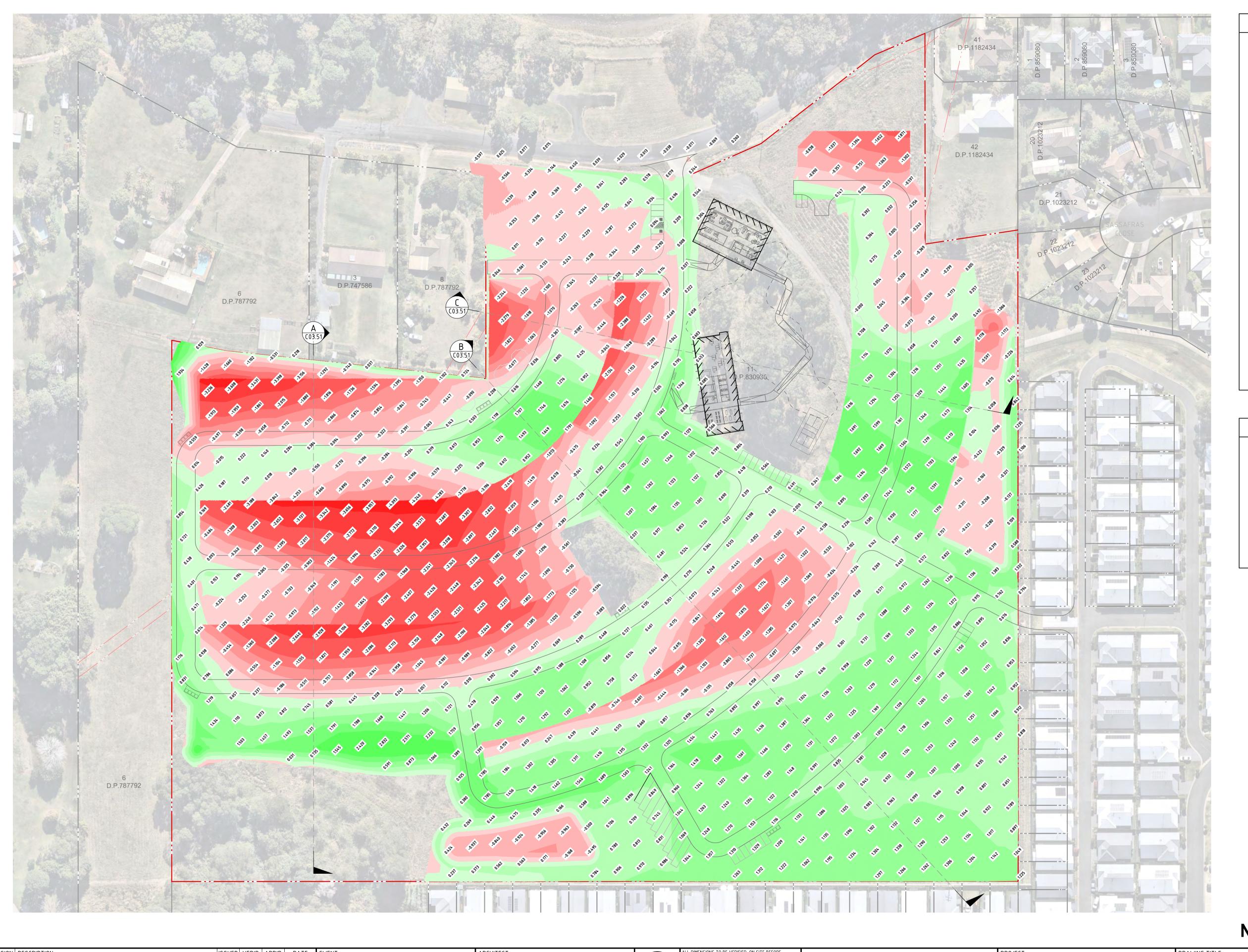
- FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
- 2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOFABRIC. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
- 3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS
- SHOWN IN THE DRAWING.

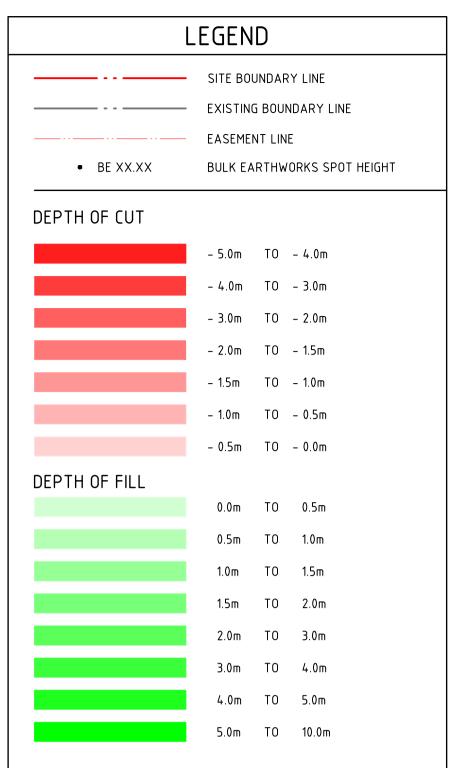
 4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL
- DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR AI WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER (SD 6-12)

NOT FOR CONSTRUCTION

REVISION DESCRIPTION |ISSUED| VER'D | APP'D | DATE OMMENCING WORK NL230461 CIVIL ENGINEERING PACKAGE 1 ISSUED FOR APPROVAL RK | CP | CP | 29.09.23 NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE DKO PROPOSED LIFESTYLE COMMUNITY SABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUF AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE. DRAWING NUMBER Newcastle **NEWMAN'S ROAD, WOOLGOOLGA, EROSION & SEDIMENT CONTROL DA-C02.10** Level 1, 215 Pacific Hwy, Charlestown NSW 2290 N.S.W, 2456 **DETAILS** Ph (02) 4943 1777 Email newcastle@northrop.com.au THE COPYRIGHT OF THIS DRAWING REMAINS WITH DRAWING NOT TO BE USED FOR CONSTRUCTION ABN 81 094 433 100 UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED NORTHROP CONSULTING ENGINEERS PTY LTD DRAWING SHEET SIZE = A1





NOTES

BULK EARTHWORKS LEVELS AND VOLUMES ARE BASED ON A COMPARISON OF THE DESIGN SURFACE AND THE EXISTING SURFACE LEVEL. NO ALLOWANCE HAS BEEN MADE FOR STRIPPING OR BOXING.

- APPROXIMATE BULK EARTHWORKS VOLUMES BASED ON THE NOTES ABOVE ARE AS FOLLOWS;

 BULK CUT = 40,464m³
- BULK CUTBULK FILL
- BULK CUT/FILL BALANCE
 - BALANCE = 3,901m³ (IMPORT)

= 44,365m³

9. ALL BULK EARTHWORKS TO BE UNDERTAKEN IN ACCORDANCE WITH SITE SPECIFIC GEOTECHNICAL REPORT AND BULK

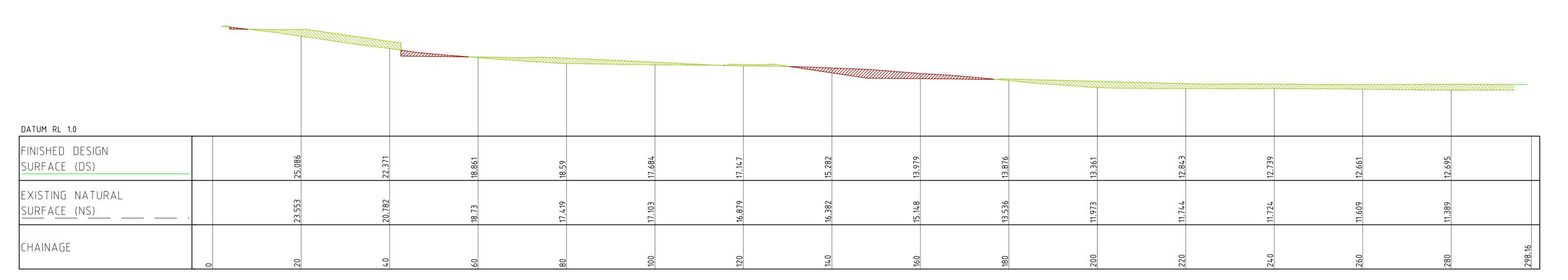
EARTHWORKS NOTES.

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REVISION DESCRIPTION ISSUED VER'D APP'D DATE NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE CIVIL ENGINEERING PACKAGE NL230461 1 ISSUED FOR COORDINATION RK | CP | CP | 19.09.23 PROPOSED LIFESTYLE COMMUNITY SABILITY, COMPLETENESS OR SCALE OF DRAWINGS RK CP CP 29.09.23 2 ISSUED FOR APPROVAL RANSFERRED ELECTRONICALLY. THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR,
AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE. DRAWING NUMBER RK | CP | CP | 21.03.24 3 ISSUED FOR APPROVAL Newcastle **NEWMAN'S ROAD, WOOLGOOLGA, BULK EARTHWORKS PLAN** RK | CP | CP | 31.05.24 4 ISSUED FOR APPROVAL **DA-C03.01** Level 1, 215 Pacific Hwy, Charlestown NSW 2290 N.S.W, 2456 Ph (02) 4943 1777 Email newcastle@northrop.com.au DRAWING NOT TO BE USED FOR CONSTRUCTION THE COPYRIGHT OF THIS DRAWING REMAINS WITH ABN 81 094 433 100 UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED NORTHROP CONSULTING ENGINEERS PTY LTD DRAWING SHEET SIZE = A1

LEGEND FILL

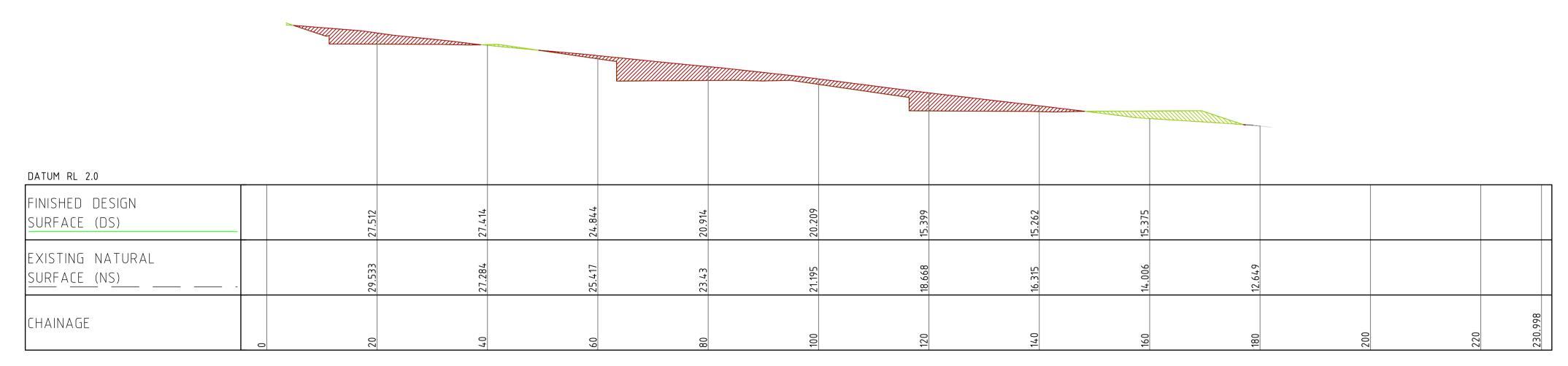
LONGITUDINAL SECTION ALONG C HORIZONTAL SCALE 1:500@A1 VERTICAL SCALE 1:500@A1



LONGITUDINAL SECTION ALONG B

HORIZONTAL SCALE 1:500@A1

VERTICAL SCALE 1:500@A1



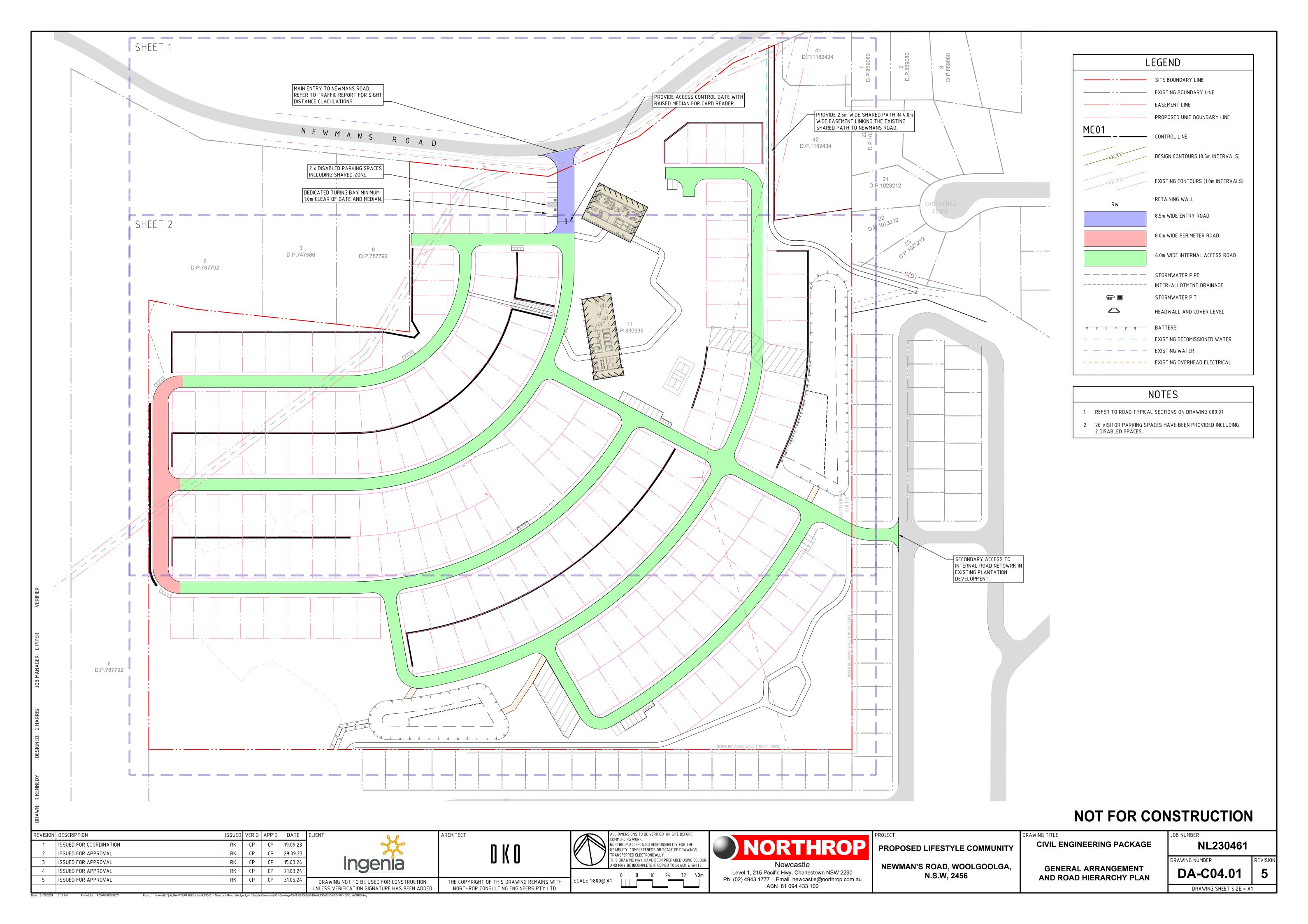
LONGITUDINAL SECTION ALONG A

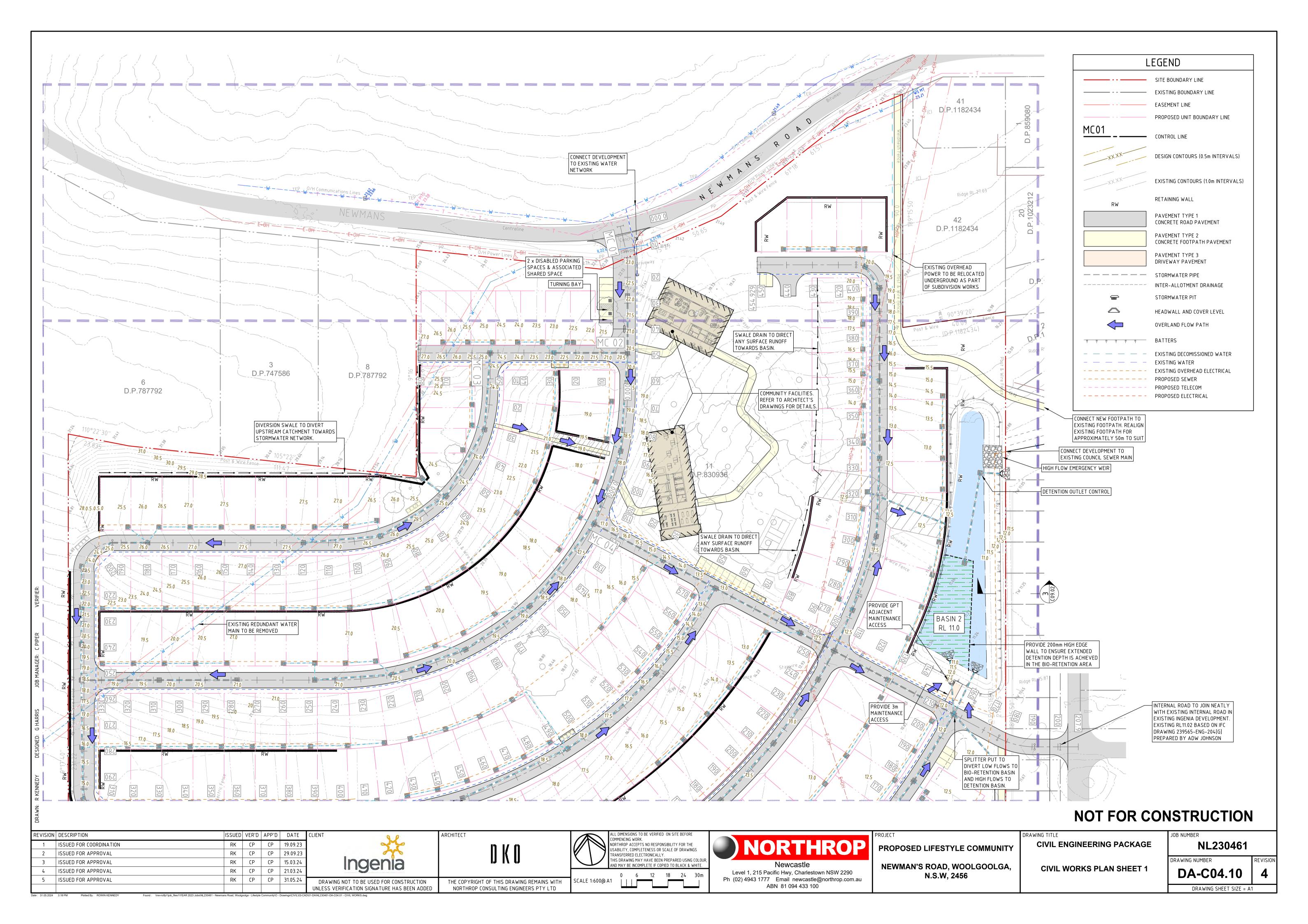
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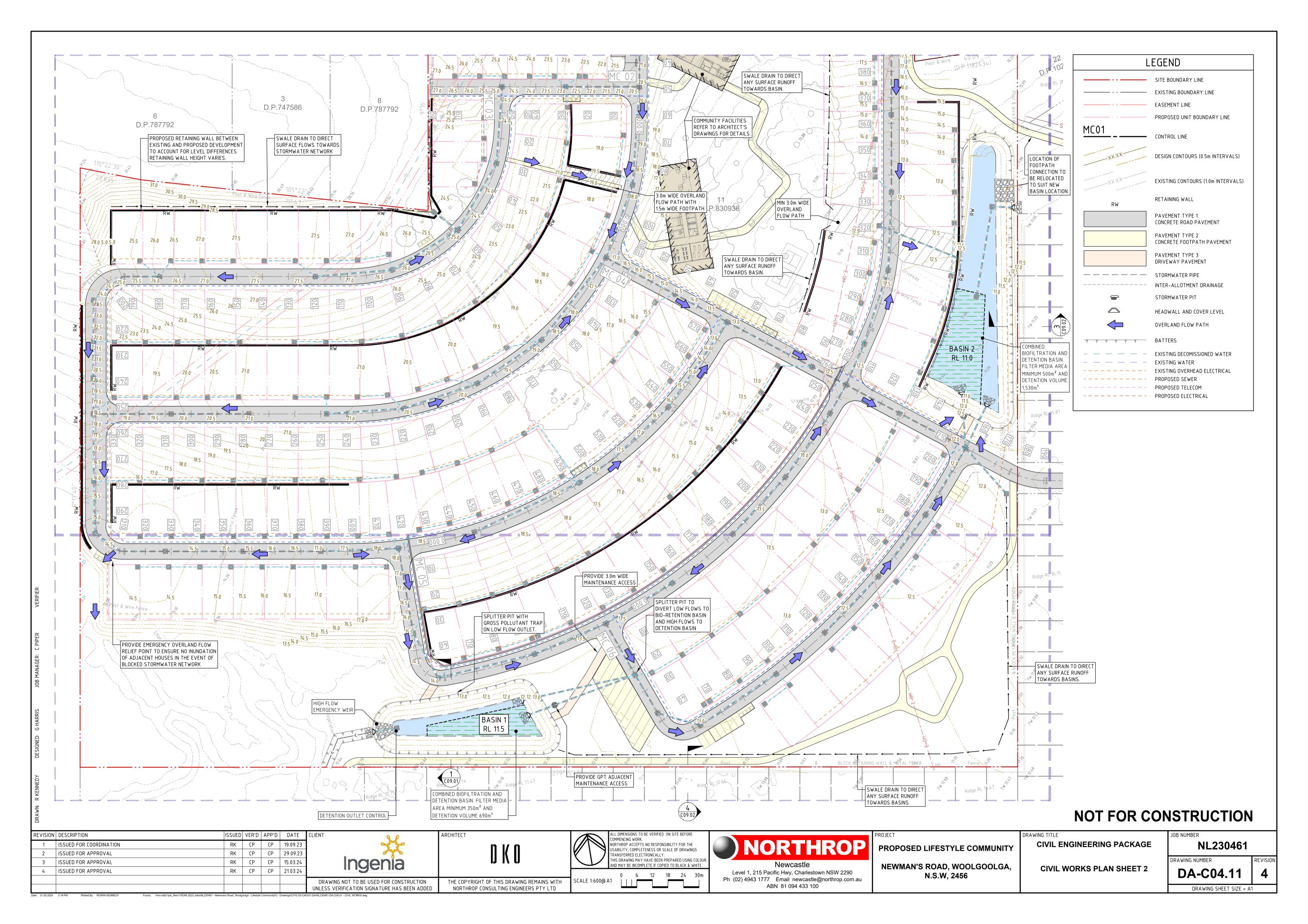
VERTICAL SCALE 1:500@A1

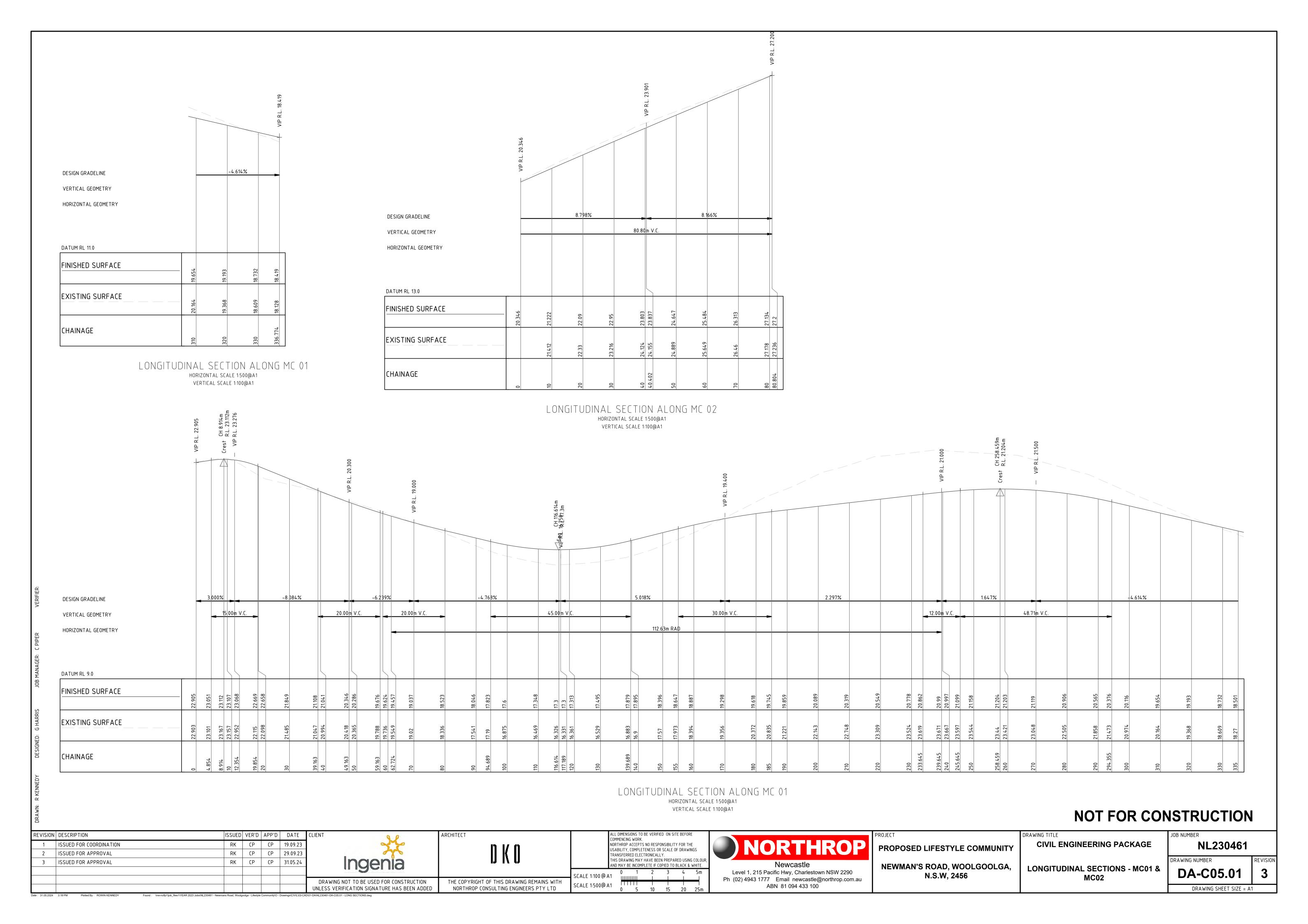
NOT FOR CONSTRUCTION

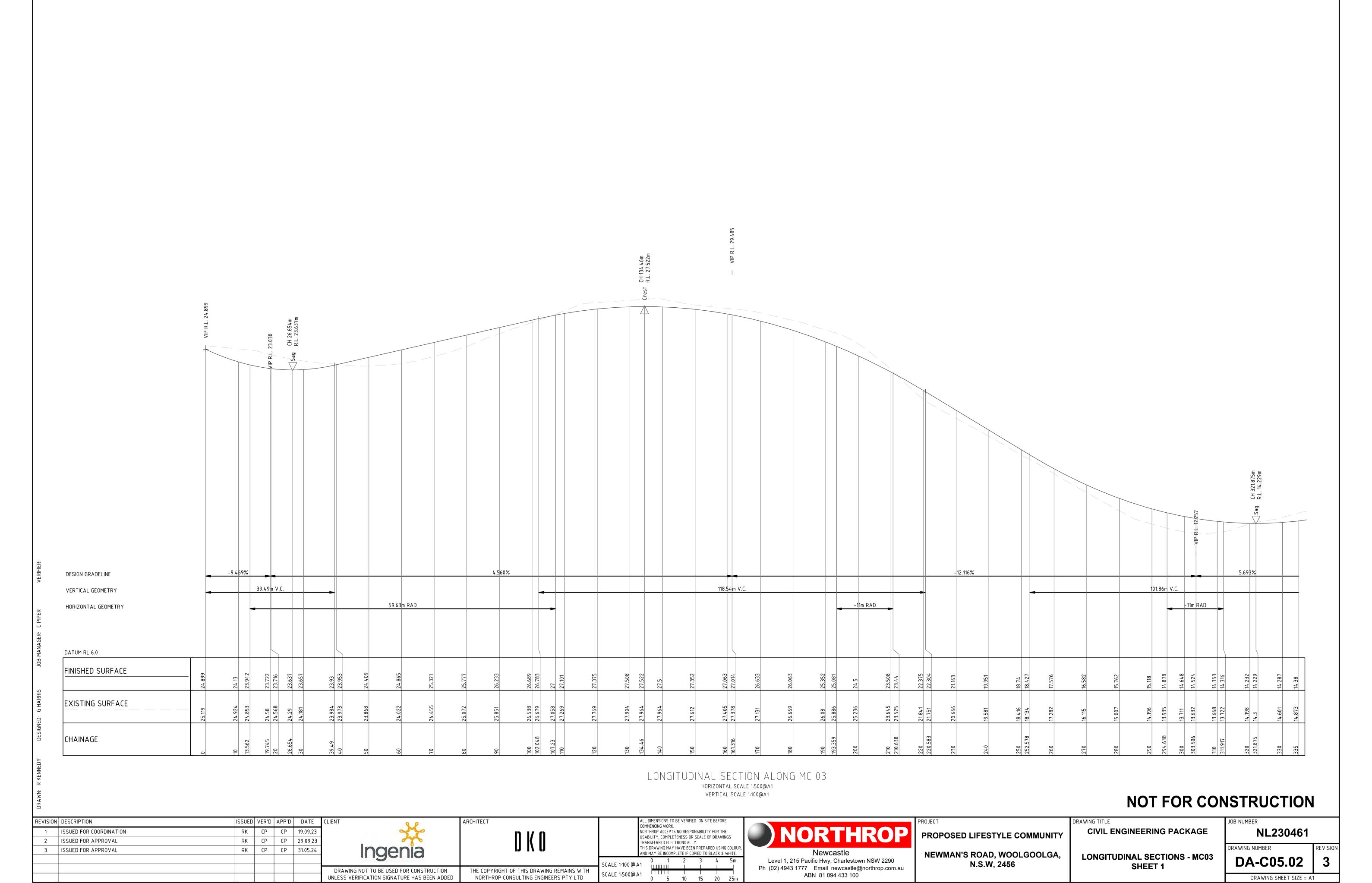
REVI	SION DESCRIPT	PTION ISSUED V	/ER'D APP'D	DATE	CLIENT	ARCHITECT		ALL DIMENSIONS TO BE VERIFIED ON SITE BEFORE		PROJECT	DRAWING TITLE	JOB NUMBER	•
1	ISSUED FO	FOR COORDINATION RK	СР СР	19.09.23	276	n k n	NORTHROP ACCEPTS NO RESPONSIBILITY FOR THE USABILITY, COMPLETENESS OR SCALE OF DRAWINGS TRANSFERRED ELECTRONICALLY.	() NORTHROP	PROPOSED LIFESTYLE COMMUNITY	CIVIL ENGINEERING PACKAGE	NL230461		
2	ISSUED FO	FOR APPROVAL RK	CP CP	29.09.23									
3	ISSUED FO	FOR APPROVAL RK	СР СР	29.09.23	Ingenia	טאט		THIS DRAWING MAY HAVE BEEN PREPARED USING COLOUR, AND MAY BE INCOMPLETE IF COPIED TO BLACK & WHITE.	Newcastle	NEWMAN'S ROAD, WOOLGOOLGA,		DRAWING NUMBER	REVISION
					DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED	gerna		0 5 10 15 20 25m	Level 1, 215 Pacific Hwy, Charlestown NSW 2290	· ·	SITE SECTIONS	DA-C03.51	1 2
						ROCTION THE COFTRIGHT OF THIS BRAWING REHAMS WITH		Ph (02) 4943 1777 Email newcastle@northrop.com.au ABN 81 094 433 100	N.S.W, 2456	SHEET 1	BA 000.01		
											DRAWING SHEET SIZE = A		

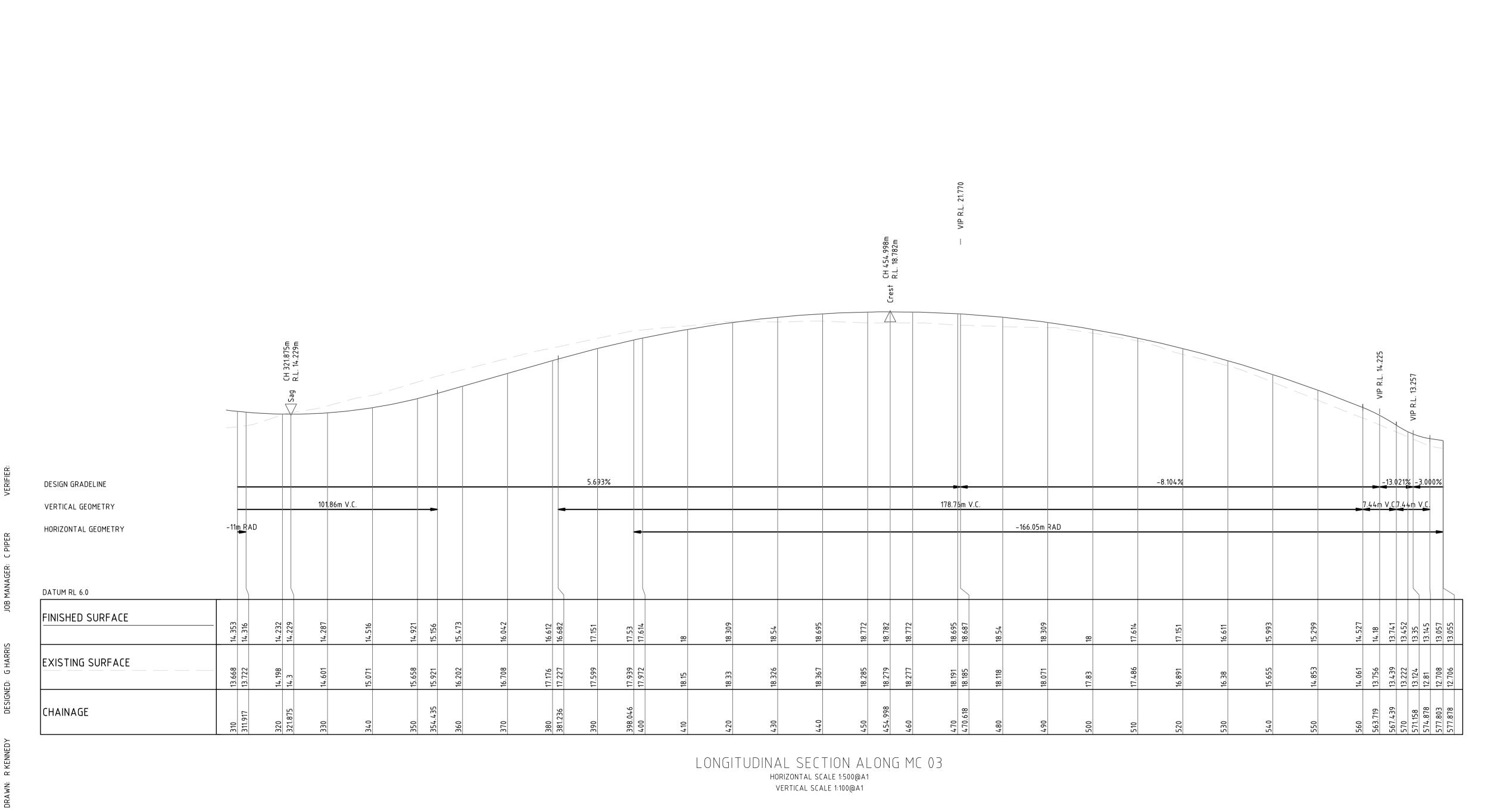












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REVISION DESCRIPTION ISSUED VER'D APP'D DATE CLIENT RK CP CP 19.09.23 1 ISSUED FOR COORDINATION RK CP CP 29.09.23 2 ISSUED FOR APPROVAL RK CP CP 31.05.24 3 ISSUED FOR APPROVAL DRAWING NOT TO BE USED FOR CONSTRUCTION UNLESS VERIFICATION SIGNATURE HAS BEEN ADDED

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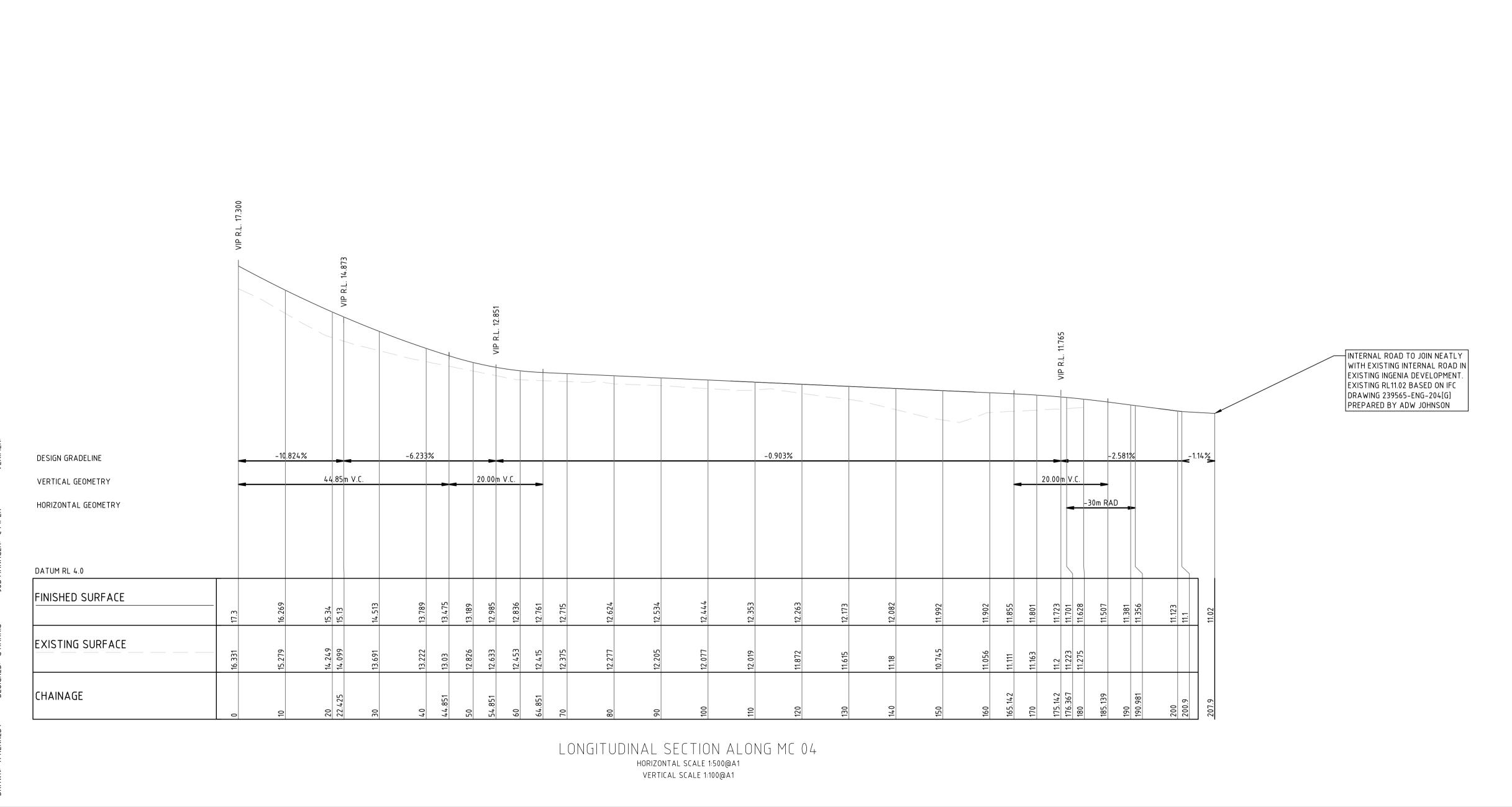
PROPOSED LIFESTYLE COMMUNITY NEWMAN'S ROAD, WOOLGOOLGA, N.S.W, 2456

CIVIL ENGINEERING PACKAGE LONGITUDINAL SECTIONS - MC03

SHEET 2

JOB NUMBER	
NL230461	
DRAWING NUMBER	REVISION
DA-C05.03	3

DRAWING SHEET SIZE = A1



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REVISION	DESCRIPTION	ISSUED	VER'D	APP'D	DATE	CLIENT
1	ISSUED FOR COORDINATION	RK	CP	CP	19.09.23	
2	ISSUED FOR APPROVAL	RK	CP	СР	29.09.23	
3	ISSUED FOR APPROVAL	RK	CP	CP	15.03.24	
4	ISSUED FOR APPROVAL	RK	СР	СР	31.05.24	
						DRAV
						UNLESS

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SCALE 1:100 @ A1

SCALE 1:500@ A1

OF 10 15 20 25 D



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ABN 81 094 433 100

PROPOSED LIFESTYLE COMMUNITY

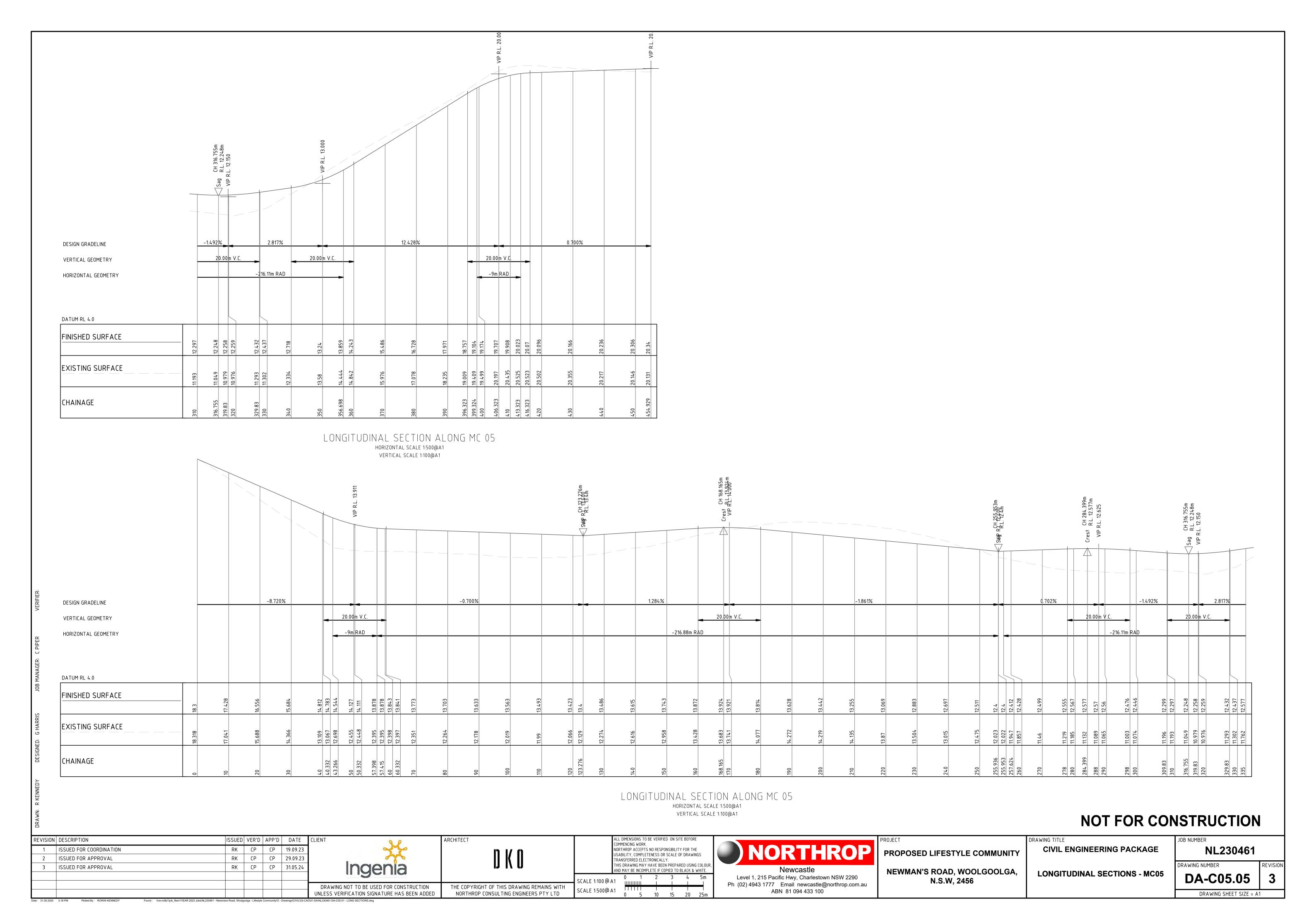
NEWMAN'S ROAD, WOOLGOOLGA,
N.S.W, 2456

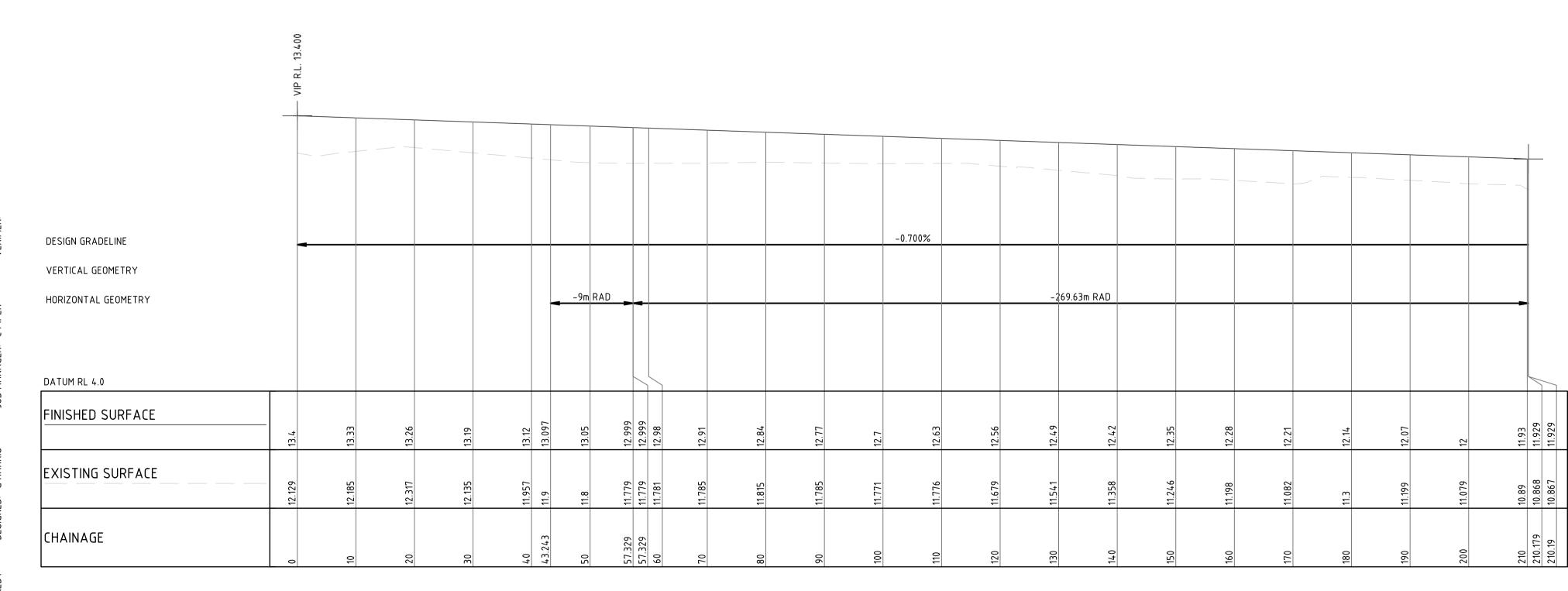
CIVIL ENGINEERING PACKAGE

LONGITUDINAL SECTIONS - MC04

DRAWING NUMBER
DA-C05.04

DRAWING SHEET SIZE = A1





LONGITUDINAL SECTION ALONG MC 06

HORIZONTAL SCALE 1:500@A1

VERTICAL SCALE 1:100@A1

REVISION DESCRIPTION ISSUED VER'D APP'D DATE 1 ISSUED FOR COORDINATION RK CP CP 19.09.23 2 ISSUED FOR APPROVAL RK CP CP 29.09.23 3 ISSUED FOR APPROVAL RK CP CP 31.05.24

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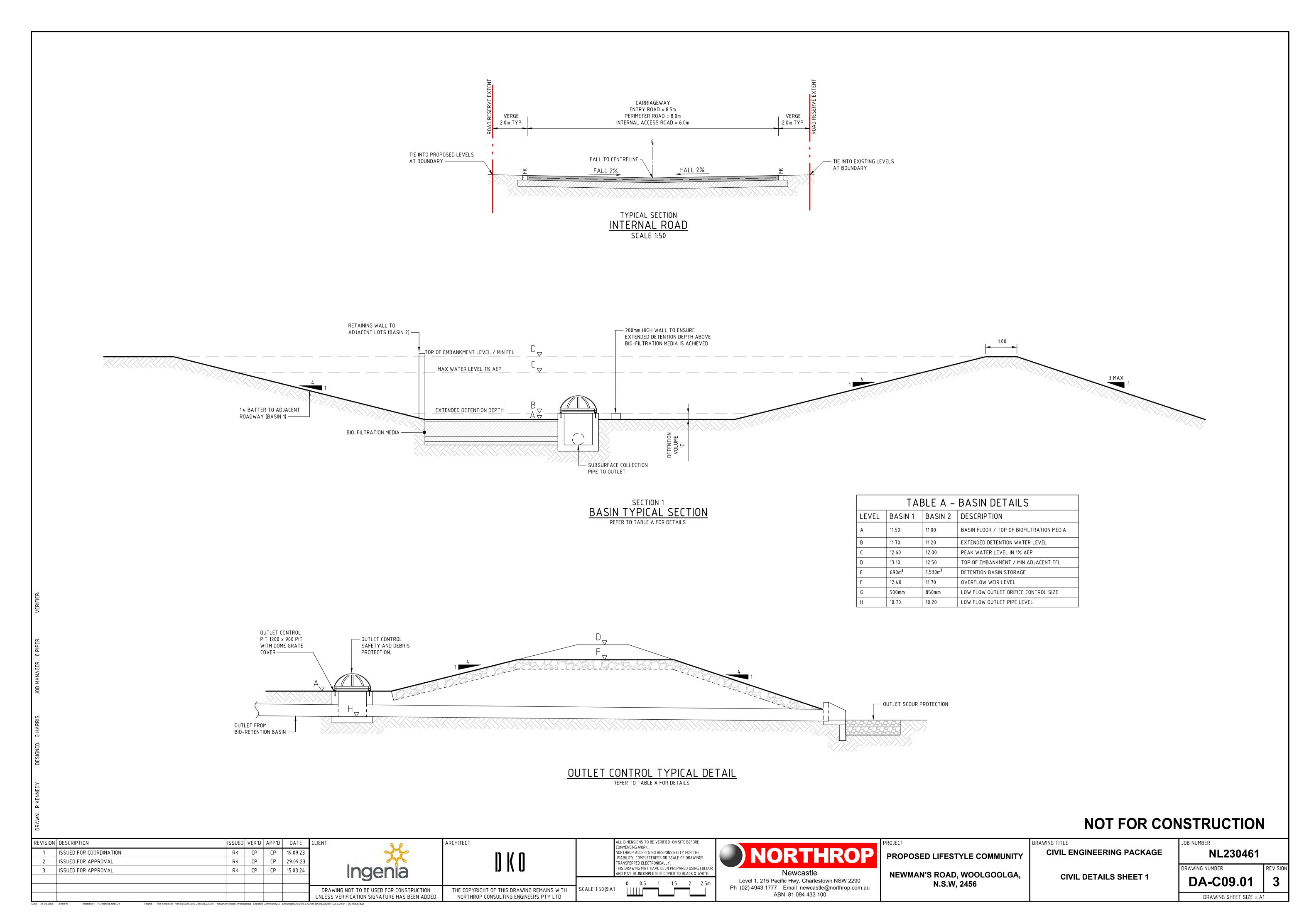
PROPOSED LIFESTYLE COMMUNITY NEWMAN'S ROAD, WOOLGOOLGA, N.S.W, 2456

CIVIL ENGINEERING PACKAGE

LONGITUDINAL SECTIONS - MC06

JOB NUMBER	
NL230461	
DRAWING NUMBER	REVI
DA-C05.06	(*)
DRAWING SHEET SIZE = A	1

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REVISION DESCRIPTION ISSUED VER'D APP'D DATE 1 ISSUED FOR APPROVAL RK CP CP 15.03.24 DRAWING NOT TO BE USED FOR CONSTRUCTION

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ABN 81 094 433 100

PROPOSED LIFESTYLE COMMUNITY NEWMAN'S ROAD, WOOLGOOLGA, N.S.W, 2456

EXISTING PLANTATION DEVELOPMENT

EXISTING SURFACE

— EXISTING FENCE

TO BE RETAINED.

— EXISTING RETAINING WALL TO BE RETAINED.

 EXISTING DIVERSION DRAIN TO BE DEMOLISHED

AND REMOVED.

CIVIL ENGINEERING PACKAGE

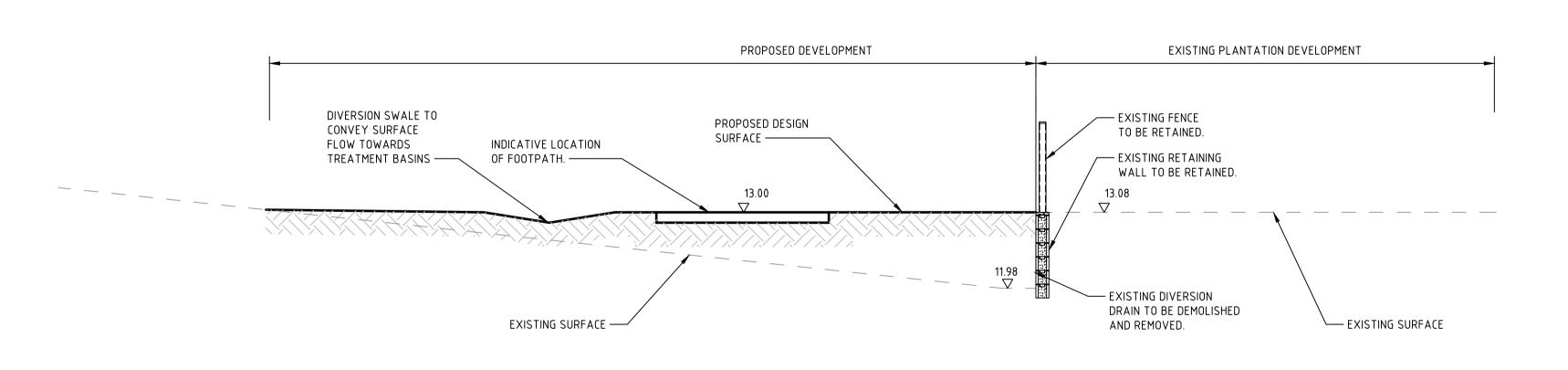
CIVIL DETAILS SHEET 2

NOT FOR CONSTRUCTION

NL230461 DRAWING NUMBER

DA-C09.02 DRAWING SHEET SIZE = A1





EMBANKMENT

AT TOE OF BATTER TO

BATTER CATCHMENT. —

12.50

CAPTURE AND DRAIN SMALL

PROVIDE CONCRETE DISH DRAIN

SECTION 3 INTERFACE TYPICAL SECTION

PROPOSED DETENTION BASIN

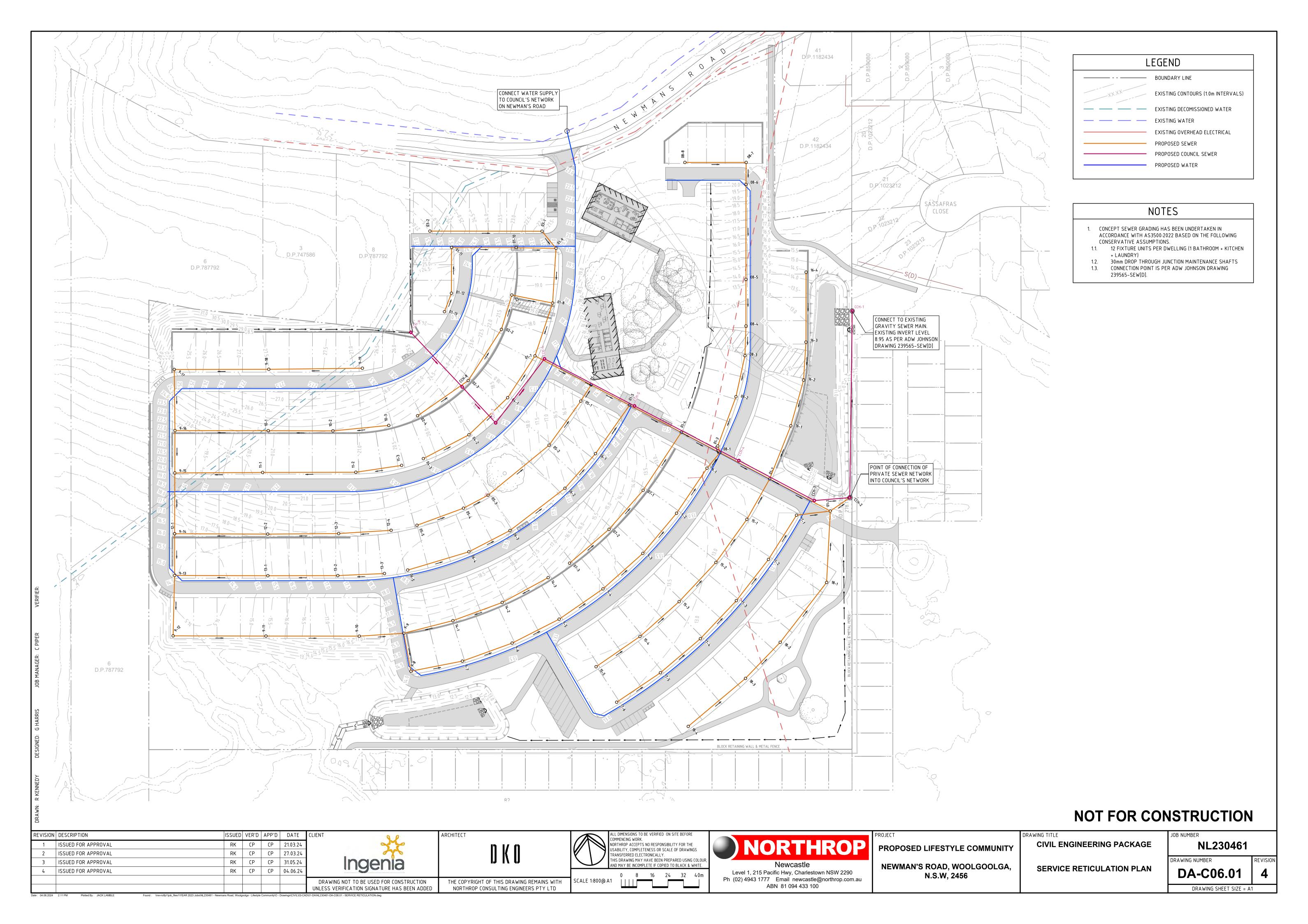
500mm FREEBOARD

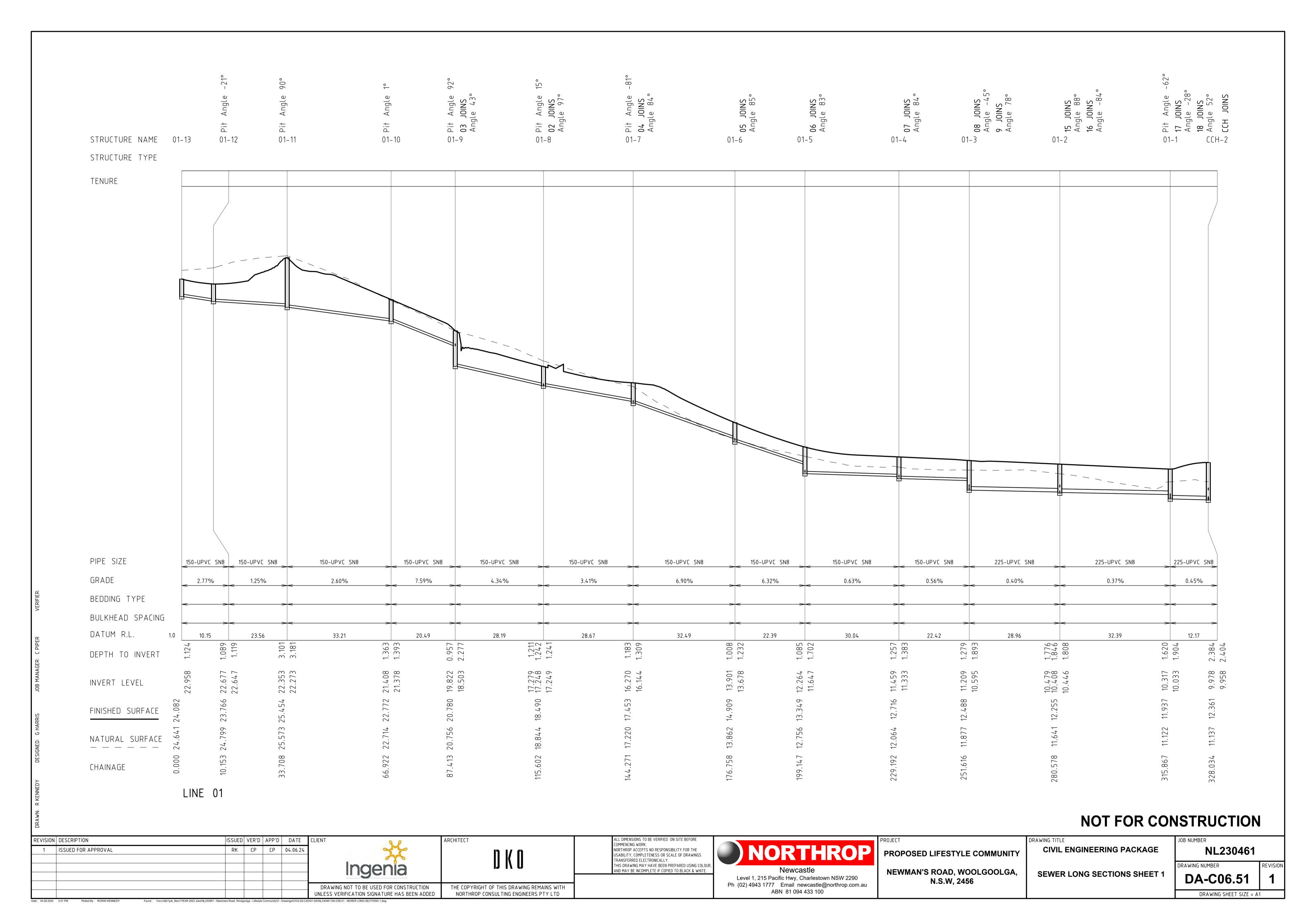
MAX WATER LEVEL 1% AEP

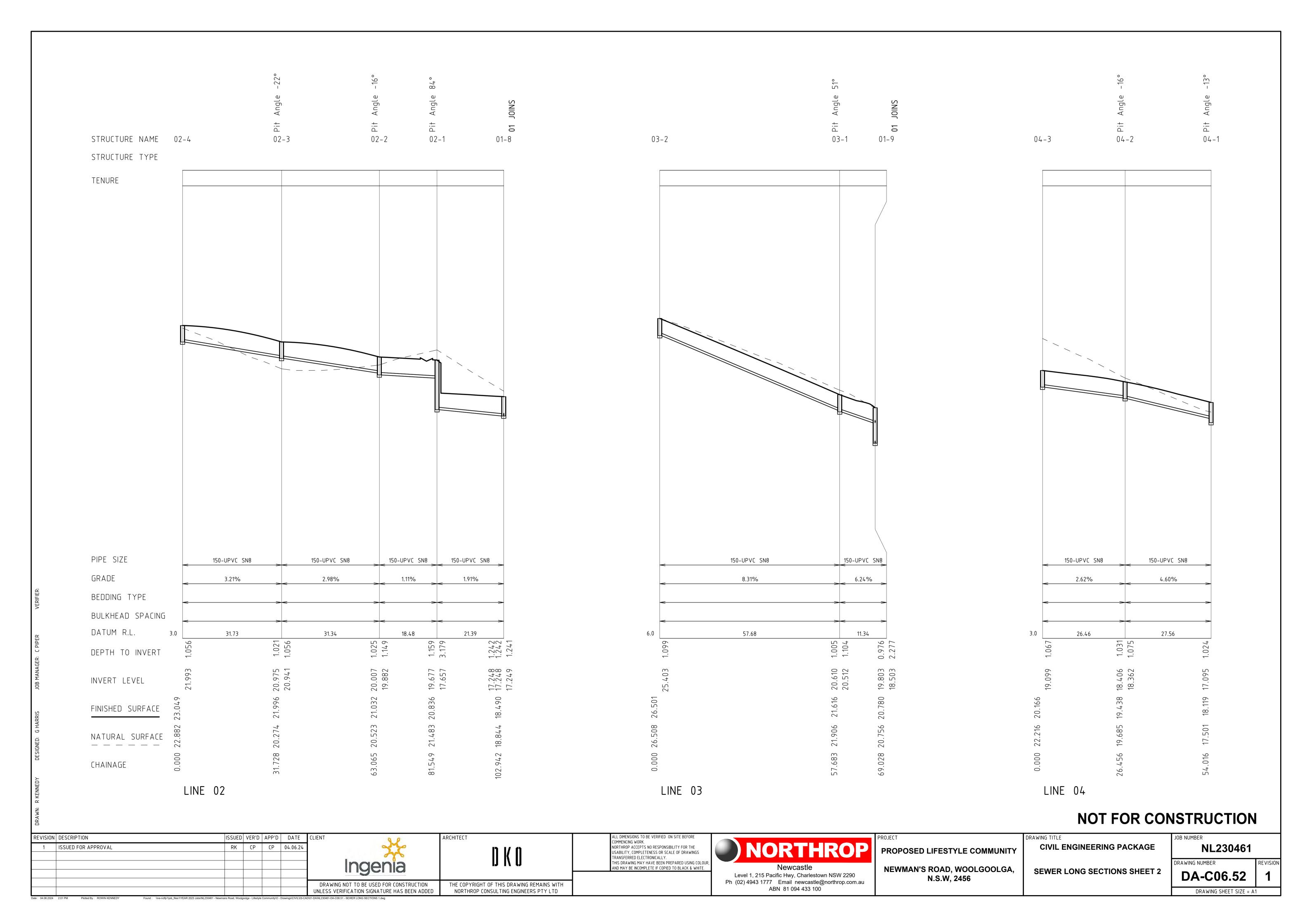
PROPOSED DESIGN

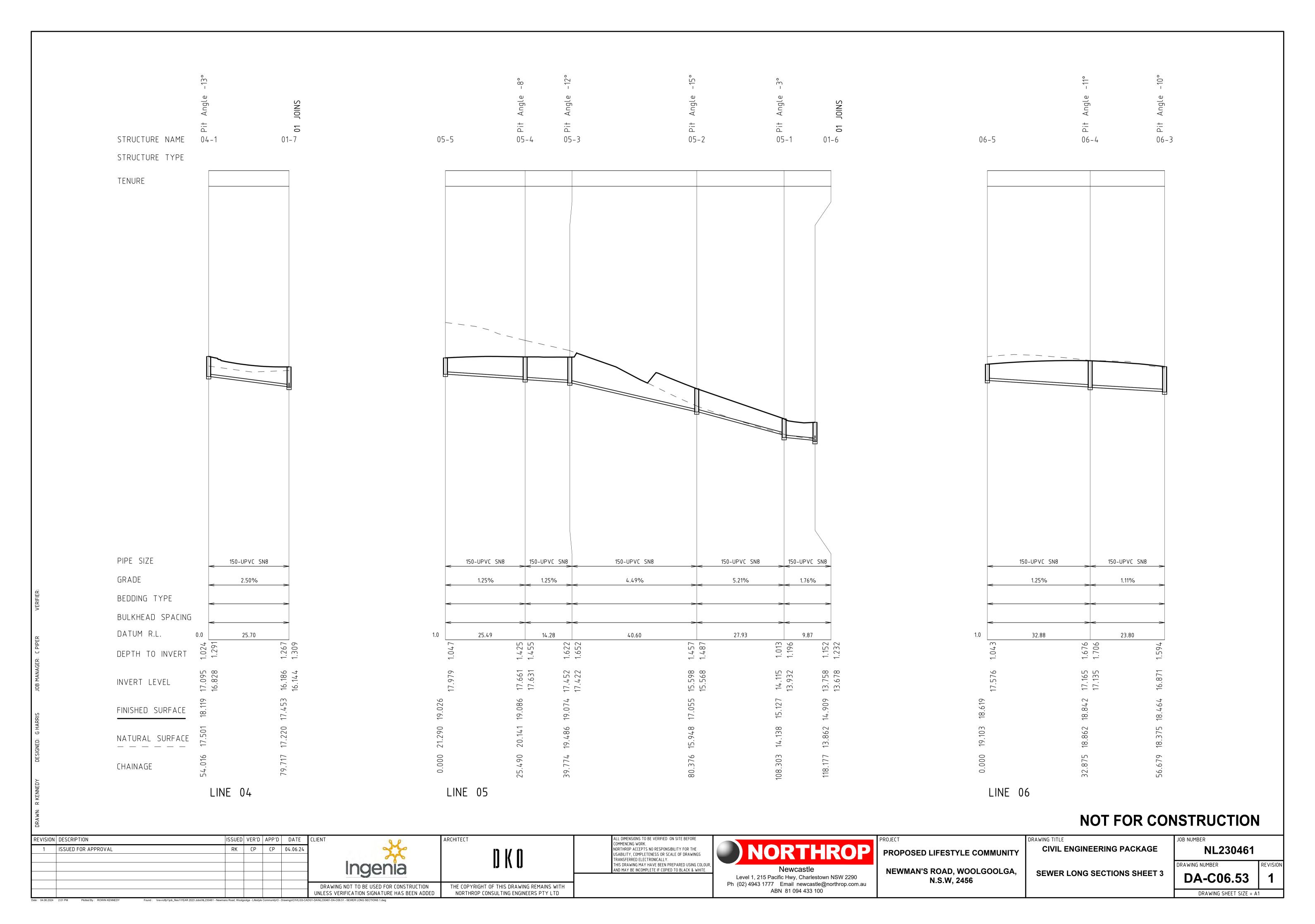
EXISTING SURFACE -

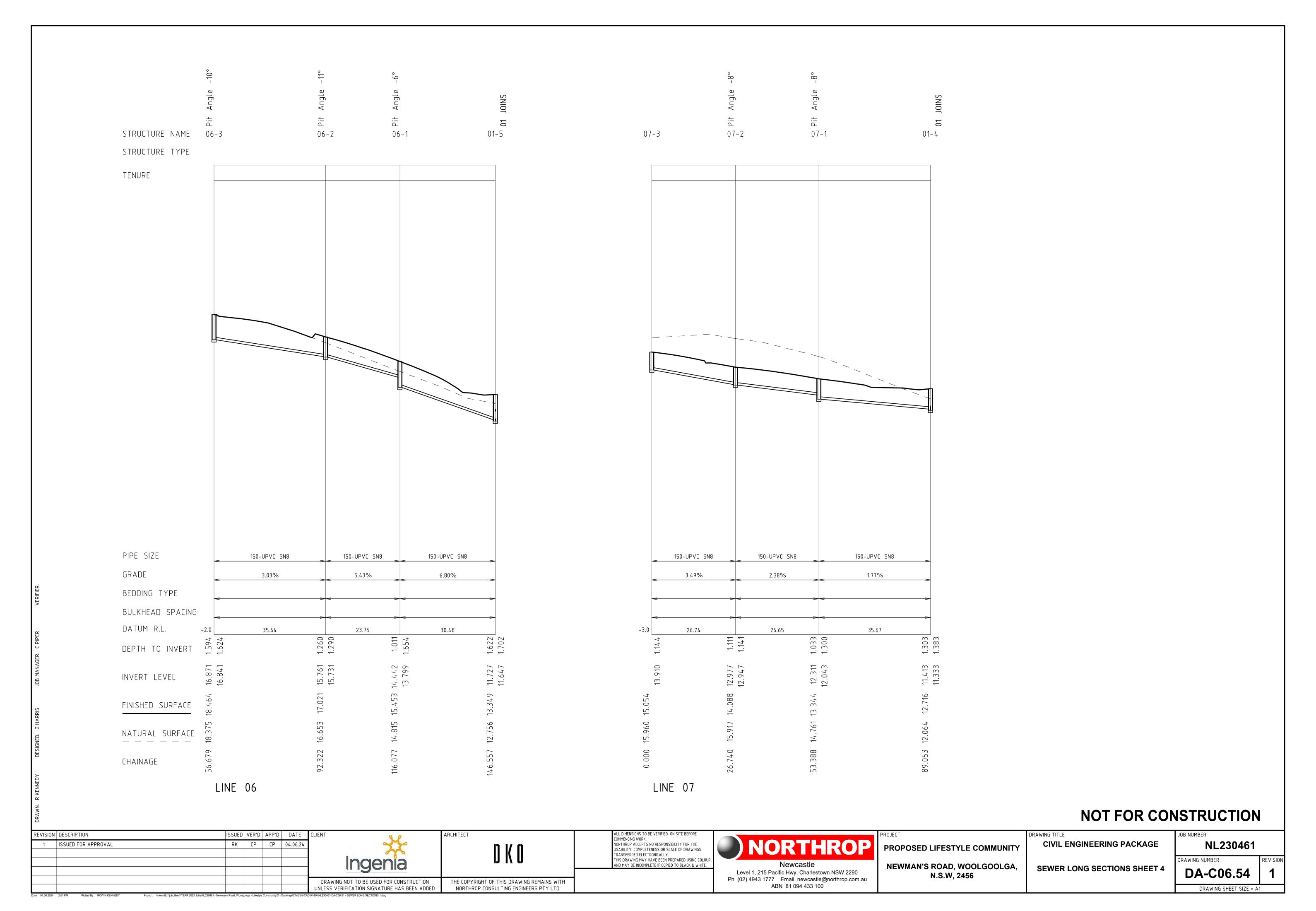
SURFACE ——

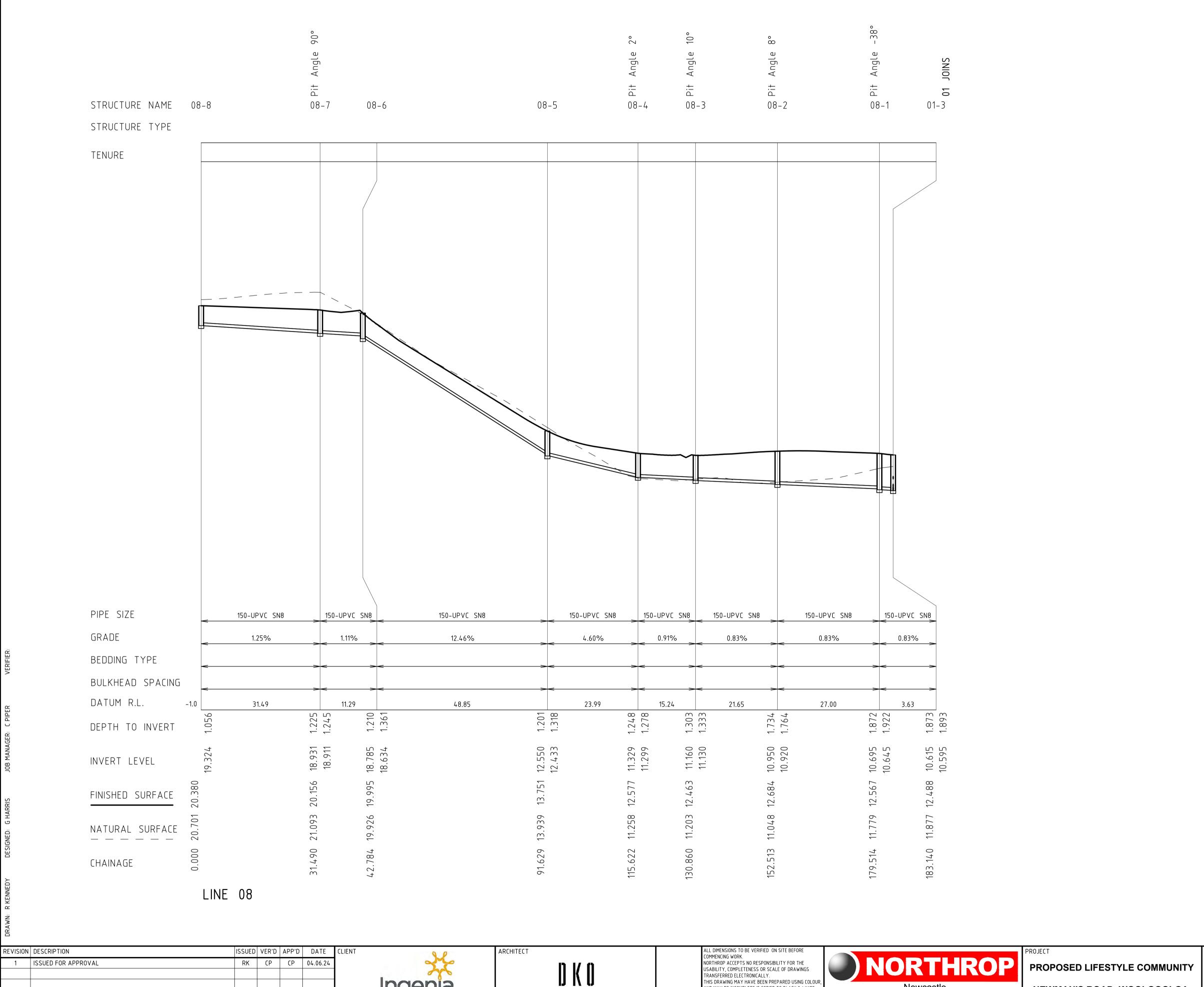












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PROPOSED LIFESTYLE COMMUNITY

CIVIL ENGINEERING PACKAGE

SEWER LONG SECTIONS SHEET 5

NL230461 DRAWING NUMBER **DA-C06.55**

DRAWING SHEET SIZE = A1

