

208 & 325 Wyatt Rd, Kagaru

Litoba Holdings Pty Ltd

Engineering Services Report

23-0206.ESR-V2

18 August 2026

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This report has been compiled at the level of detail specified in the report and no responsibility is accepted for interpretations made at more detailed levels than so indicated.

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Document Control

23-0206.ESR-V2

Version	Date	Details	Prepared	Checked	Approved
1	11/12/2024	Issue for Approval	DC	DC	DC
2	18/08/2026	Issue for Approval	RE	DC	DC

Table of Contents

1. Introduction 1
2. Earthworks 2
3. Sediment & Erosion Control 2
4. Roadworks & Drainage 3
5. Sewerage Reticulation 3
6. Water Reticulation 4
7. Stormwater Quality & Quantity 4
8. Utilities 5
9. Conclusion 5

List of Figures

Figure 1: Site Location 1

Appendices

Appendix A Concept Engineering Drawings
Appendix B Flinders Lakes Wastewater Planning Control Lines

1. Introduction

Colliers Engineering & Design has been engaged by Litoba Holding Pty Ltd to prepare this Civil Engineering Services Report to support the DA submission for a residential subdivision at 208 & 325 Wyatt Rd, Kagaru on land described as Lot 27 on S311174, Lot 12 on S31468 and Lot 22 on SP341889 (previously Lot 11 on SP310604) and as shown in Figure 1 below:



Figure 1: Site Location

This report covers the following civil infrastructure:

- Earthworks
- Sediment and Erosion Control
- Roadworks
- Sewerage Reticulation
- Water Supply
- Stormwater Quality and Quantity
- Utilities

This report will confirm that the proposed development can be adequately serviced and comply with the EDQ and Logan City Council Planning Scheme where relevant, Queensland Streets, Australian Standards and other relevant guidelines where appropriate.

2. Earthworks

The development will consist of civil earthworks in accordance with AS3798-2007. Topsoil is to be stripped from the majority of the development area and used on-site where possible. Any material requiring disposal from site will be disposed of at a Council approved location in a lawful manner with acceptable haul routes to be determined at the time of construction.

The existing topography on the site generally includes a steep crests in the north and western boundaries of the site in adjoining land. There is a gully running north/south through the centre of the site, with slopes falling towards the central gully and the Woollaman Creek and Teviot Brook to the south. These crest lines are steep and elevated, with slopes up to 15-25%, and as such the lot layout has been prepared to consider the natural topography in these areas.

Existing earthworks constraints over the site include, but are not limited to, existing steep crest lines and steep natural surface, existing vegetation retention lines, existing waterway and creek lines including flood hazard and external Flinders Lake Boulevard levels interfacing to the northeast.

Earthworks have been designed to minimise cut in rock, while responding to the various road typology constraints and uses throughout the precinct.

Generally, lots will be provided as flat benched pads with retaining walls minimised as much as is practicable. Where retaining walls are required, these will be designed at a maximum 3.0m height, with rear sloping blocks if needed to assist with picking up grades. In isolated pockets, split level blocks will be utilised to further assist with level constraints across the site, providing additional opportunity to step proposed levels to contemplate the natural surface. These will be minimised where possible.

Due to the amount of earthworks required to provide appropriately graded roads and allotments, fill is proposed to be placed on site in areas that provide opportunity to do so to avoid significant exportation of material from site.

The proposed earthworks are outlined in **Appendix A** (Drawings *23-0206-DA-1010 to 1155*) demonstrating how the steep topography is appropriately addressed through sound engineering practises. For areas of greater cut, slope stability will be satisfied through the provision of a geotechnical assessment by a suitably qualified professional.

The bulk earthworks and retaining walls will be formalised through the detailed design at the EDQ Compliance Assessment and Pre-Construction Package submissions phase as necessary.

3. Sediment & Erosion Control

Sediment and erosion control will generally comprise of clean and dirty water diversion drains, temporary sediment basin as appropriate, silt fences, early stabilisation of disturbed areas where possible and other control measures as appropriate and/or required to meet EDQ and Logan City Council requirements.

Detail design of the sediment and erosion control strategy will be submitted at the EDQ Compliance Assessment and Pre-Construction Package Lodgement phase. The civil works undertaken by the contractor will implement a site management plan to incorporate and achieve compliance with the sediment and erosion control strategy at the time of construction. This will involve the preparation of a site-specific erosion and sediment control plan, certified by an RPEQ or CPESC.

4. Roadworks & Drainage

The development is proposed to be accessed by a connection to Flinders Lake Boulevard to the northeast of the development site which is currently under construction. The proposed road network is based on the re-aligned Wyatt Road (R017) endorsed under the Context Plan Approval.

The proposed road network will consist of a range of road typologies, from Trunk Connector and Neighbourhood Connector through to Neighbourhood Access Street and Neighbourhood Laneway aligning with the EDQ Street and Movement Network Guideline 6. A road hierarchy sketch plan including typical sections is included in the civil engineering drawings in **Appendix A** (Drawings *20-0211-DA-1200 to 20-0211-DA-1229*).

Road grades have been designed to achieve a safe and coherent network, to respond to the natural topography on the site, and to achieve acceptable grades for various uses across the proposed development (i.e. limiting grades where fronting the school site and the Local/Community Centre).

All roads will be designed in accordance with Councils planning scheme, provide access to all dwellings and allow sufficient width for turfed verges which will provide service corridors for sewerage, water, electrical and telecommunications.

All roads will provide access immunity to lots in accordance with the Queensland Urban Drainage Manual.

Road pavement designs will be prepared and provided to Council where appropriate and based on CBR results taken throughout the course of construction.

It is anticipated that intersection functional layout designs will be required to be submitted as part of a Compliance Assessment approval condition.

5. Sewerage Reticulation

Sewer discharge from the development is proposed to be serviced via trunk gravity sewer lines throughout the development which discharge to multiple sewer pump stations & Rising Mains some of which are being delivered by Logan Water as Sub-Regional Infrastructure and others as Municipal Infrastructure. The proposed overall trunk sewer network is outlined in **Appendix B.**

The proposed connection points and internal sewerage reticulation network and trunk sewer network is outlined in **Appendix A** (*Drawings 2*3-0206-*DA-1500 to* 1532). The internal sewerage reticulation network will be designed in accordance with the SEQ Code to connect to the main trunk sewer lines and will be formalised through detailed design at the Operational Works phase with the future EDQ Compliance Assessment and Pre-Construction Package submissions.

Colliers have prepared a Water and Wastewater Precinct Network Plan (23-0206-PNP01 dated August 2026) which has been provided under separate cover.

6. Water Reticulation

The development will be serviced via a connection to the existing DN375 water main along the extension of Teviot Road & Flinders Lake Boulevard corridor to the north east which is currently under construction. A DN225 water main is anticipated to connect from Flinders Lake Boulevard main and run along the Wyatt Road extension to service the development with internal reticulation mains to connect through.

The proposed connection points and internal water network is outlined in **Appendix A** (Drawings *23-0206-DA-1500 to 1524*) and will be formalised, including documentation in accordance with the South East Queensland Water Supply and Sewerage Design and Construction Code (SEQ D&C Code), through detailed design at the Operational Works phase with the future EDQ Compliance Assessment and Pre-Construction Package submissions.

Further analysis is required to determine if any of the proposed adjoining sub-regional reservoirs and municipal water booster pump stations for the Lower Flagstone Water Supply zone are required to service this development. This analysis will be undertaken and provided as part of a Water Network Analysis.

Colliers have prepared a Water and Wastewater Precinct Network Plan (23-0206-PNP01 dated August 2026) which has been provided under separate cover.

7. Stormwater Quality & Quantity

The proposed development will achieve no-worsening of the upstream and downstream waterways through the implementation of a stormwater management plan.

Stormwater Quality objectives are met as required by the Logan City Council Planning Scheme Policy and State Planning Policy (SPP). Specifically, the water quality objectives for post development will be satisfied through the implementation of best practise end of line stormwater quality bio-filtration basins. These have been adequately sized to effectively mitigate the pollutant loads generated from the site to the SPP pollutant load reduction targets.

Concept Stormwater Basin layout plans are outline in **Appendix A** (Drawing 23-0206-DA-1400-1413).

For further details with respect to stormwater management, please refer to the Concept Flood Assessment and Stormwater Management Plan prepared by Water Technology.

8. Utilities

The site will be serviced with electrical and telecommunication reticulation with agreements entered into by the relevant service providers. Adequate service corridors will be provided to enable service connection with designs being undertaken in accordance with a suitably qualified electrical consultant at the Operational Works/Building Application phase as necessary.

9. Conclusion

This report is accompanied with the relevant code responses, concept engineering drawings and supporting documentation to demonstrate that the development can be adequately serviced in accordance with EDQ and Council's standards and guidelines.

We therefore request approval of the engineering components for the proposed development with reasonable and relevant conditions.

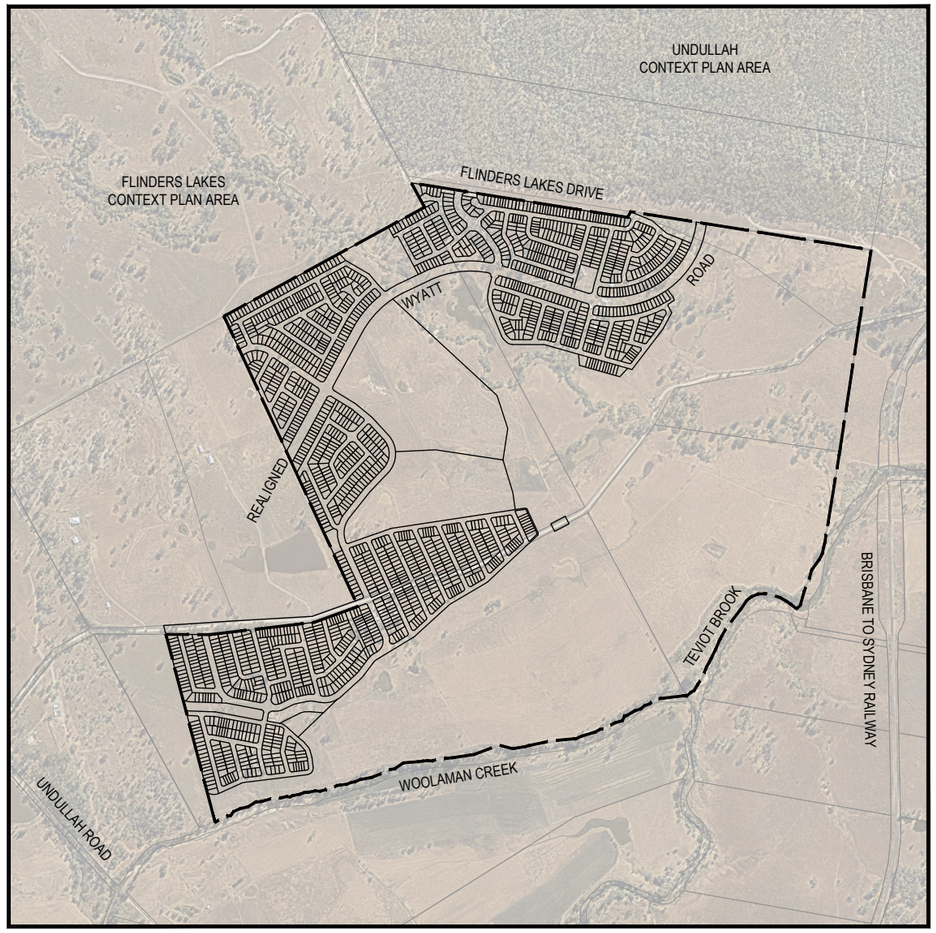
Appendices

Appendix A Concept Engineering Drawings

PROPOSED RESIDENTIAL DEVELOPMENT

208 WYATT ROAD, KAGARU

FOR 'WEL.CO'



LOCALITY PLAN
SCALE 1:10000 (A1)
SCALE 1:20000 (A3)

PROJECT INFORMATION SUMMARY:
No. OF LOTS = 1775
AREA OF SITE = 307.53 ha
RP DESCRIPTION LOT 27 ON S311174 LOT 22 ON SP341889 LOT 20 ON SP149887
DATUM LEVEL AND LOCATION P.S.M XXX RL XX.XXX AHD LOCATED LOCATED
LOCAL AUTHORITY: LOGAN CITY COUNCIL
COUNCIL REFERENCE NUMBER:

NOTE:
THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH:
- VEGETATION MANAGEMENT PLAN
- LANDSCAPE ARCHITECT'S PLANS
- ELECTRICAL, COMMUNICATIONS AND GAS CONSULTANT'S PLANS
- SEDIMENT AND EROSION REPORT
- SAFETY IN DESIGN REPORT
- WATERTECH FLOOD ASSESSMENT AND STORMWATER MANAGEMENT PLAN REF: 23020246-R02-V01

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:10000 100 0 100 200 300 400 500 A1
1:20000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**
208 WYATT ROAD
KAGARU

DRAWING TITLE: **COVER PLAN**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1001	A

PLOT - 03 Aug 2026 03:05 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-0001-COVER PLAN.dwg

DRAWING LIST

COVER PAGE AND OVERALL PLAN

23-0206-DA-1001 COVER PLAN
23-0206-DA-1002 DRAWING LISTS
23-0206-DA-1100 OVERALL DEPTH RANGE PLAN
23-0206-DA-1101 COMPENSATORY CUT DEPTH RANGE PLAN
23-0206-DA-1102 FILL EXTENTS INTO DFE DEPTH RANGE PLAN

CONCEPT BULK EARTHWORKS

23-0206-DA-1104 OVERALL SHEET LAYOUT PLAN BULK EARTHWORKS
23-0206-DA-1105 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 34
23-0206-DA-1106 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 34
23-0206-DA-1107 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 3 OF 34
23-0206-DA-1108 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 4 OF 34
23-0206-DA-1109 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 5 OF 34
23-0206-DA-1110 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 6 OF 34
23-0206-DA-1111 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 7 OF 34
23-0206-DA-1112 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 8 OF 34
23-0206-DA-1113 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 9 OF 34
23-0206-DA-1114 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 10 OF 34
23-0206-DA-1115 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 11 OF 34
23-0206-DA-1116 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 12 OF 34
23-0206-DA-1117 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 13 OF 34
23-0206-DA-1118 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 14 OF 34
23-0206-DA-1119 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 15 OF 34
23-0206-DA-1120 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 16 OF 34
23-0206-DA-1121 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 17 OF 34
23-0206-DA-1122 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 18 OF 34
23-0206-DA-1123 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 19 OF 34
23-0206-DA-1124 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 20 OF 34
23-0206-DA-1125 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 21 OF 34
23-0206-DA-1126 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 22 OF 34
23-0206-DA-1127 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 23 OF 34
23-0206-DA-1128 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 24 OF 34
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23-0206-DA-1134 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 30 OF 34
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23-0206-DA-1136 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 32 OF 34
23-0206-DA-1137 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 33 OF 34
23-0206-DA-1138 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 34 OF 34
23-0206-DA-1150 CONCEPT BULK EARTHWORKS OVERALL PLAN
23-0206-DA-1151 CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 1 OF 5
23-0206-DA-1152 CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 2 OF 5
23-0206-DA-1153 CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 3 OF 5
23-0206-DA-1154 CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 4 OF 5
23-0206-DA-1155 CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 5 OF 5
23-0206-DA-1156 CONCEPT BULK EARTHWORKS TYPICAL DETAILS

CONCEPT ROADWORKS AND DRAINAGE AND TYPICAL SECTIONS

23-0206-DA-1200 CONCEPT ROAD HIERARCHY LAYOUT PLAN SHEET 1 OF 3
23-0206-DA-1201 CONCEPT ROAD HIERARCHY LAYOUT PLAN SHEET 2 OF 3
23-0206-DA-1202 CONCEPT ROAD HIERARCHY LAYOUT PLAN SHEET 3 OF 3
23-0206-DA-1203 CONCEPT ROAD TYPICAL SECTIONS
23-0206-DA-1204 OVERALL SHEET LAYOUT PLAN ROADWORKS AND DRAINAGE
23-0206-DA-1205 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 1 OF 25
23-0206-DA-1206 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 2 OF 25
23-0206-DA-1207 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 3 OF 25
23-0206-DA-1208 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 4 OF 25
23-0206-DA-1209 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 5 OF 25
23-0206-DA-1210 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 6 OF 25
23-0206-DA-1211 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 7 OF 25
23-0206-DA-1212 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 8 OF 25
23-0206-DA-1213 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 9 OF 25
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23-0206-DA-1229 CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 25 OF 25

CONCEPT BIO-RETENTION BASIN AND CATCHMENTS

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CONCEPT SEWER AND WATER RETICULATION

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23-0206-DA-1530 TRUNK SEWER LONGITUDINAL SECTION SHEET 1 OF 8
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23-0206-DA-1532 TRUNK SEWER LONGITUDINAL SECTION SHEET 3 OF 8
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23-0206-DA-1536 TRUNK SEWER LONGITUDINAL SECTION SHEET 7 OF 8
23-0206-DA-1537 TRUNK SEWER LONGITUDINAL SECTION SHEET 8 OF 8

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

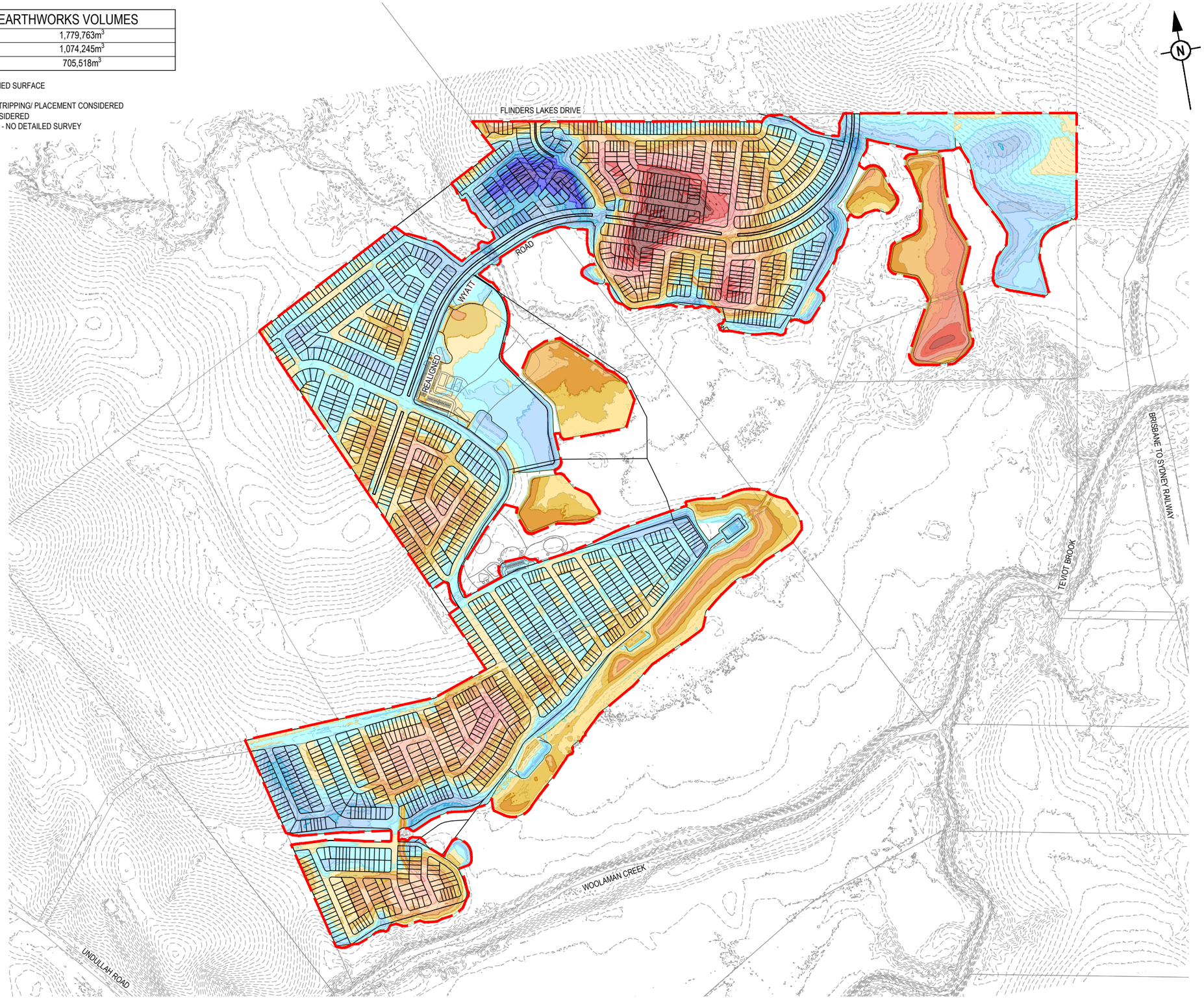
DRAWING TITLE: **DRAWING LIST**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1002	A

PLOT - 03 Aug 2026 03:05 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-0001-COVER PLAN.dwg

CONCEPT BULK EARTHWORKS VOLUMES	
CUT	1,779,763m^3
FILL	1,074,245m^3
EXPORT	705,518m^3

- VOLUME CALCULATED TO FINISHED SURFACE
- NO ROAD BOXING CONSIDERED
- NO ALLOWANCE FOR TOPSOIL STRIPPING/ PLACEMENT CONSIDERED
- NO COMPACTION FACTORS CONSIDERED
- EXISTING LIDAR SURFACE ONLY - NO DETAILED SURVEY
- NO TRENCH SPOIL CONSIDERED



LEGEND

- PROPOSED AREA OF WORKS
- EXISTING SURFACE CONTOURS
- CUT > 9.0 - 9.0m
- CUT 9.0 - 8.0m
- CUT 8.0 - 7.0m
- CUT 7.0 - 6.0m
- CUT 6.0 - 5.0m
- CUT 5.0 - 4.0m
- CUT 4.0 - 3.0m
- CUT 3.0 - 2.0m
- CUT 2.0 - 1.0m
- CUT 1.0 - 0.0m
- FILL 0.0 - 1.0m
- FILL 1.0 - 2.0m
- FILL 2.0 - 3.0m
- FILL 3.0 - 4.0m
- FILL 4.0 - 5.0m
- FILL 5.0 - 6.0m
- FILL 6.0 - 7.0m
- FILL 7.0 - 8.0m
- FILL 8.0 - 9.0m
- FILL 9.0 - > 9.0m

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:5000 100 50 0 100 200 A1

1:10000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

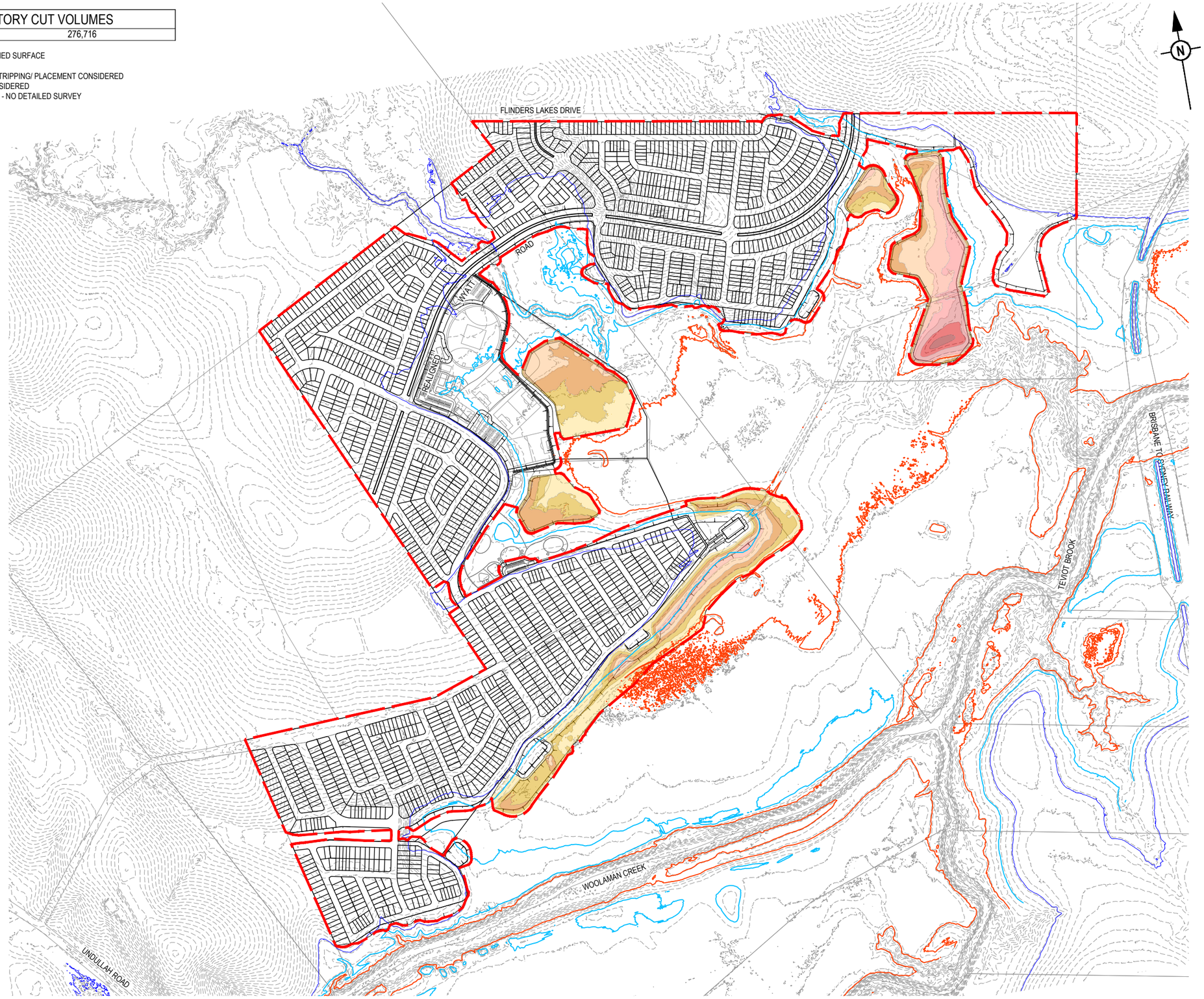
DRAWING TITLE: **OVERALL DEPTH RANGE PLAN**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1100	A

PLOT - 03 Aug 2026 03:09 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1100-OVERALL DEPTH RANGE PLAN.dwg

COMPENSATORY CUT VOLUMES	
CUT	276,716

- VOLUME CALCULATED TO FINISHED SURFACE
- NO ROAD BOXING CONSIDERED
- NO ALLOWANCE FOR TOPSOIL STRIPPING/ PLACEMENT CONSIDERED
- NO COMPACTION FACTORS CONSIDERED
- EXISTING LIDAR SURFACE ONLY - NO DETAILED SURVEY
- NO TRENCH SPOIL CONSIDERED



LEGEND

- PROPOSED AREA OF WORKS
- EXISTING SURFACE CONTOURS
- DFE RL 35.20 AHD
- ARI 20 RL 32.60 AHD
- ARI 5 RL 29.80 AHD
- SPORTS FIELD
- CUT 9.0 - > 9.0m
- CUT 8.0 - 9.0m
- CUT 7.0 - 8.0m
- CUT 6.0 - 7.0m
- CUT 5.0 - 6.0m
- CUT 4.0 - 5.0m
- CUT 3.0 - 4.0m
- CUT 2.0 - 3.0m
- CUT 1.0 - 2.0m
- CUT 0.0 - 1.0m

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:5000 100 50 0 100 200 A1

1:10000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

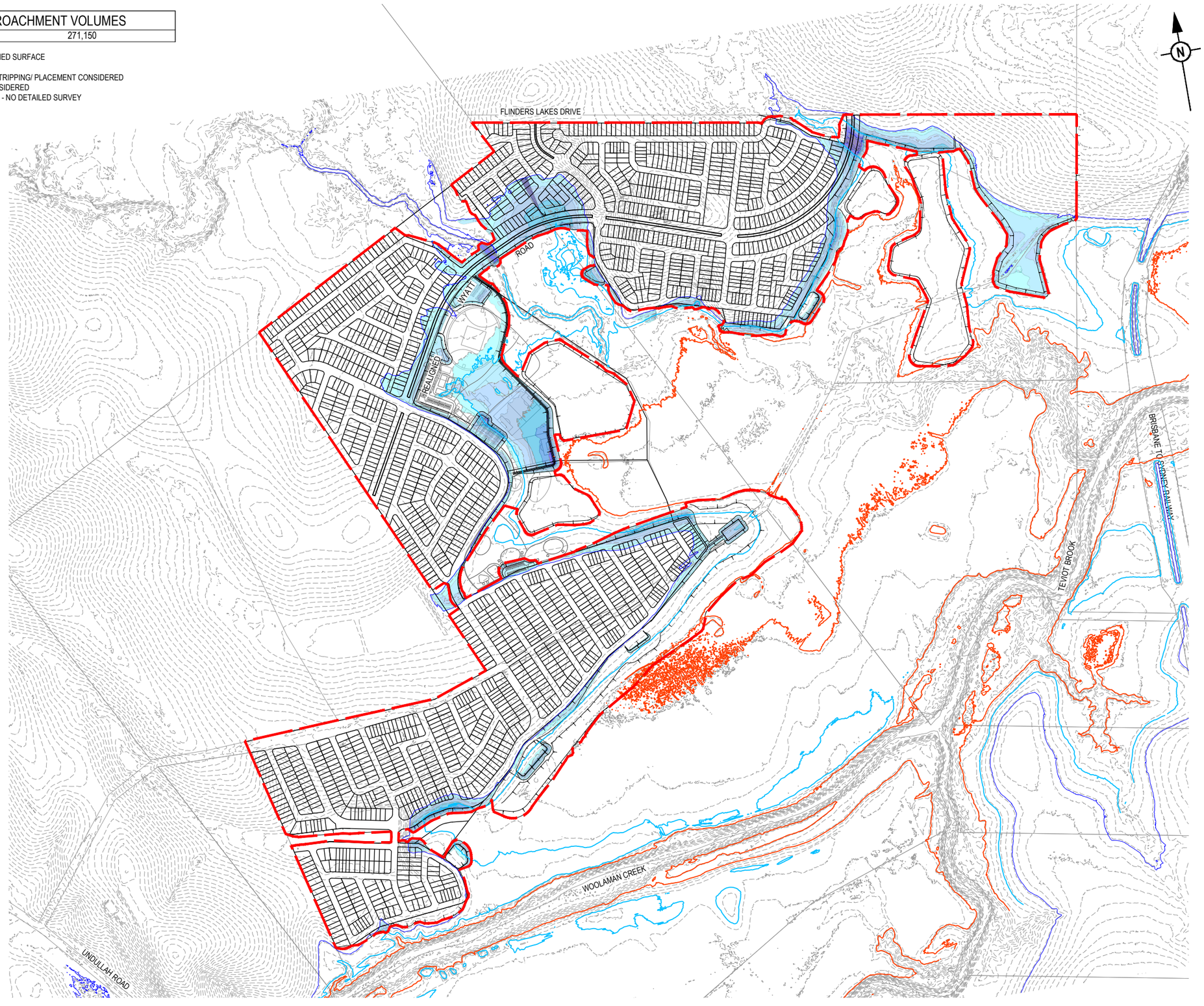
DRAWING TITLE: **COMPENSATORY CUT DEPTH RANGE PLAN**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1101	A

PLOT - 03 Aug 2026 03:10 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1100-OVERALL DEPTH RANGE PLAN.dwg

DFE FILL ENCROACHMENT VOLUMES	
FILL	271,150

- VOLUME CALCULATED TO FINISHED SURFACE
- NO ROAD BOXING CONSIDERED
- NO ALLOWANCE FOR TOPSOIL STRIPPING/ PLACEMENT CONSIDERED
- NO COMPACTION FACTORS CONSIDERED
- EXISTING LIDAR SURFACE ONLY - NO DETAILED SURVEY
- NO TRENCH SPOIL CONSIDERED



LEGEND

- PROPOSED AREA OF WORKS
- EXISTING SURFACE CONTOURS
- DFE RL 35.20 AHD
- ARI 20 RL 32.60 AHD
- ARI 5 RL 29.80 AHD
- SPORTS FIELD
- FILL 0.0 - 1.0m
- FILL 1.0 - 2.0m
- FILL 2.0 - 3.0m
- FILL 3.0 - 4.0m
- FILL 4.0 - 5.0m
- FILL 5.0 - 6.0m
- FILL 6.0 - 7.0m
- FILL 7.0 - 8.0m
- FILL 8.0 - 9.0m
- FILL 9.0 - > 9.0m

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:5000 / 1:10000 — 100 50 0 100 200 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

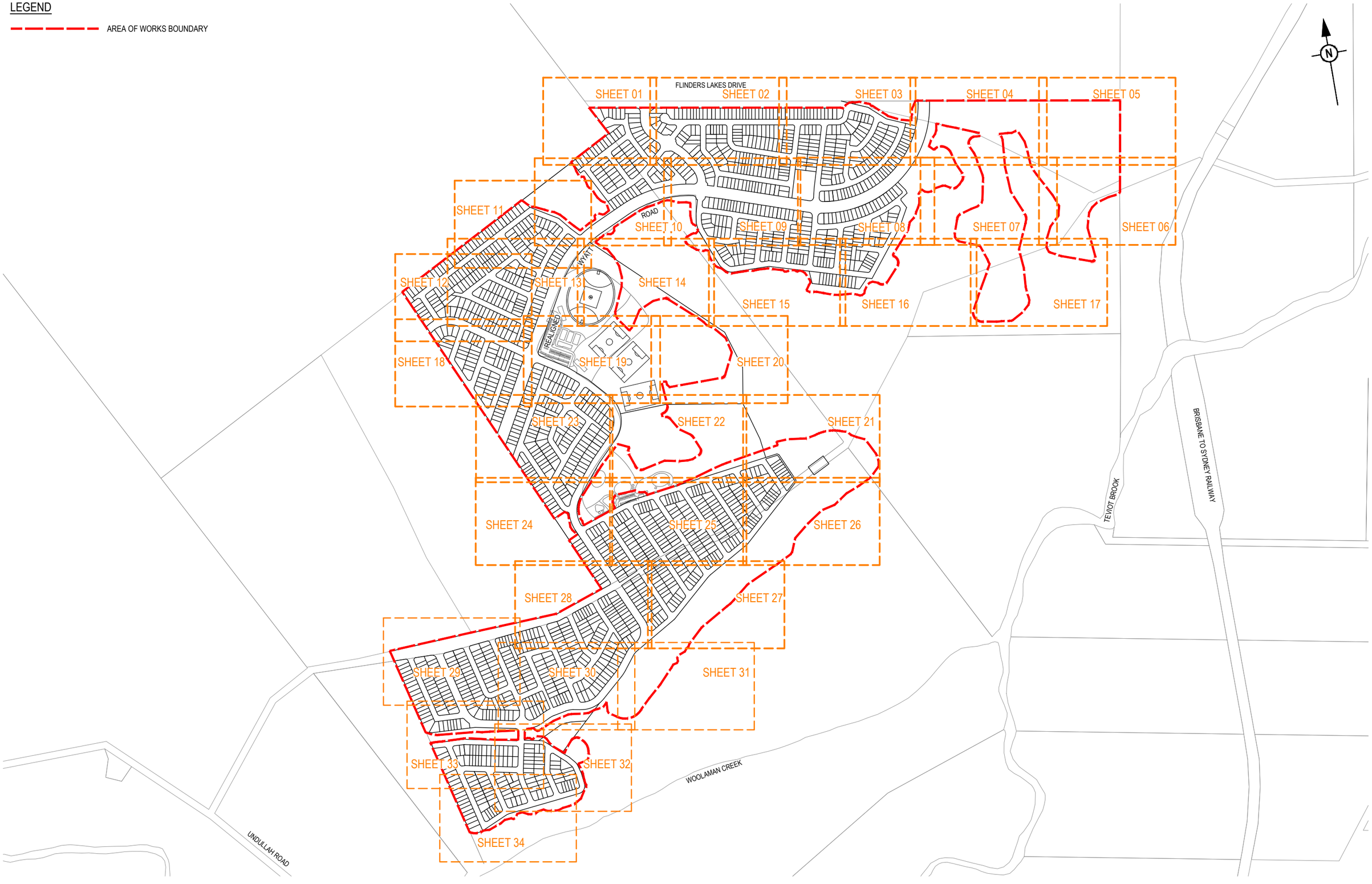
DRAWING TITLE: **DFE FILL EXTENTS DEPTH RANGE PLAN**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1102	A

PLOT: 03 Aug 2026 03:10 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1100-0VERALL DEPTH RANGE PLAN.dwg

LEGEND

AREA OF WORKS BOUNDARY



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:5000 100 50 0 100 200 A1

1:10000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

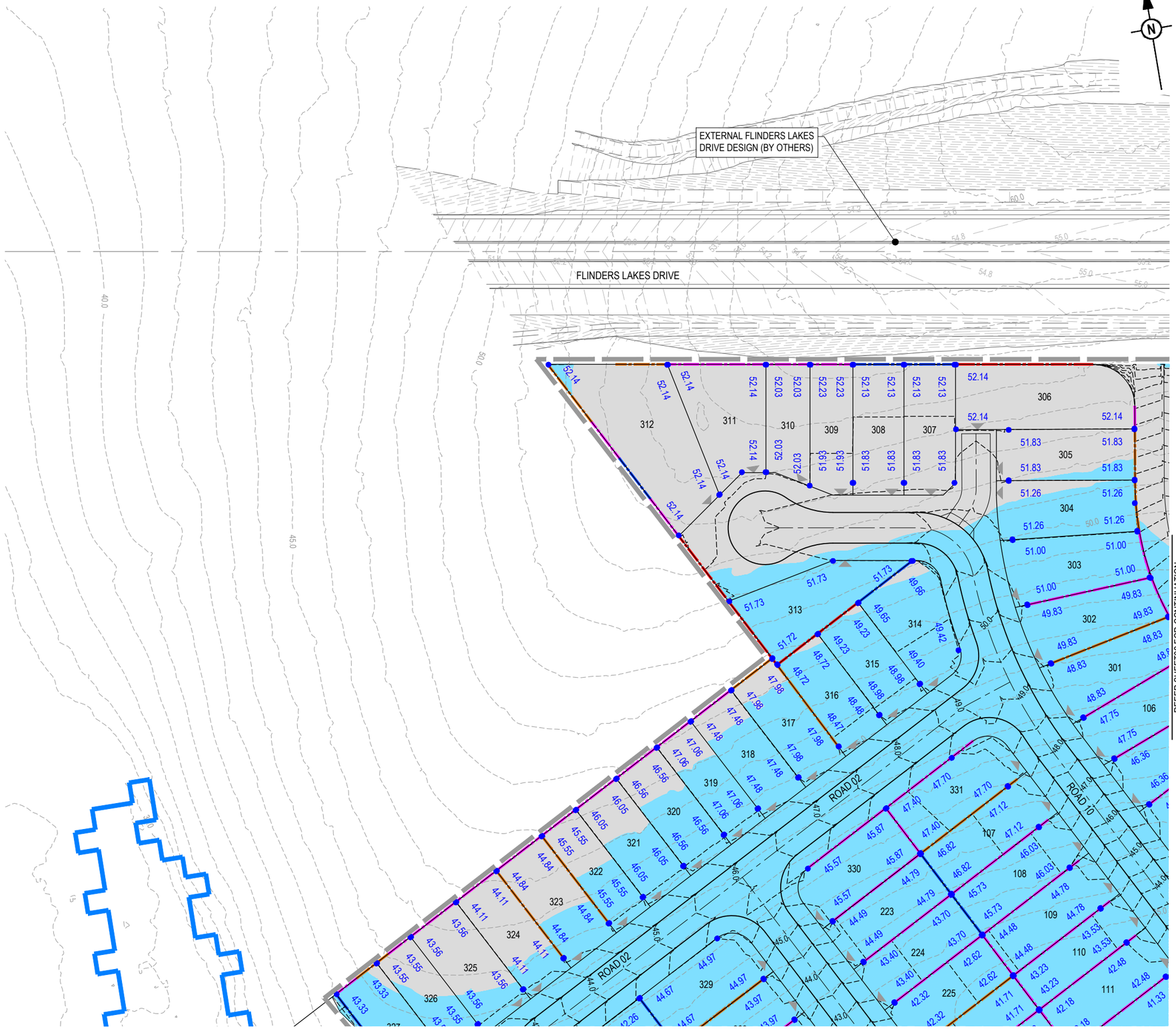
DRAWING TITLE: **OVERALL SHEET LAYOUT PLAN BULK EARTHWORKS**

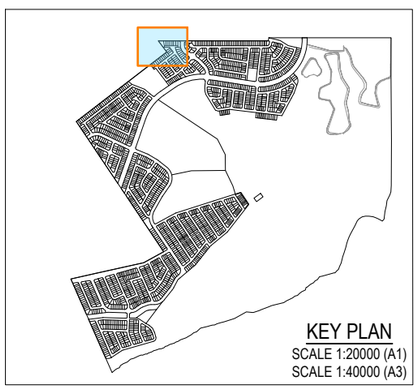
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1104	A

PLOT - 03 Aug 2026 03:12 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1104-OVERALL REV PLAN.dwg

LEGEND

- PROPOSED AREA OF WORKS
- 44.0 PROPOSED SURFACE CONTOUR
- 44.0 EXISTING SURFACE CONTOUR
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AVG. HEIGHT 0.6-1.0m)
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AVG. HEIGHT 1.0-2.0m)
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AVG. HEIGHT 2.0-2.5m)
- PROPOSED CONCRETE SLEEPER RETAINING WALL (AVG. HEIGHT >2.5m)
- 5% AEP EXTENT
- PROPOSED DRAINAGE SWALE
- 24.60 PROPOSED FINISHED SURFACE LEVEL (FSL) (AFTER TOPSOIL PLACEMENT)
- PROPOSED AREA OF CUT
- PROPOSED AREA OF FILL
- STATE WETLAND AREA
- INDICATIVE DRIVEWAY LOCATION





REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

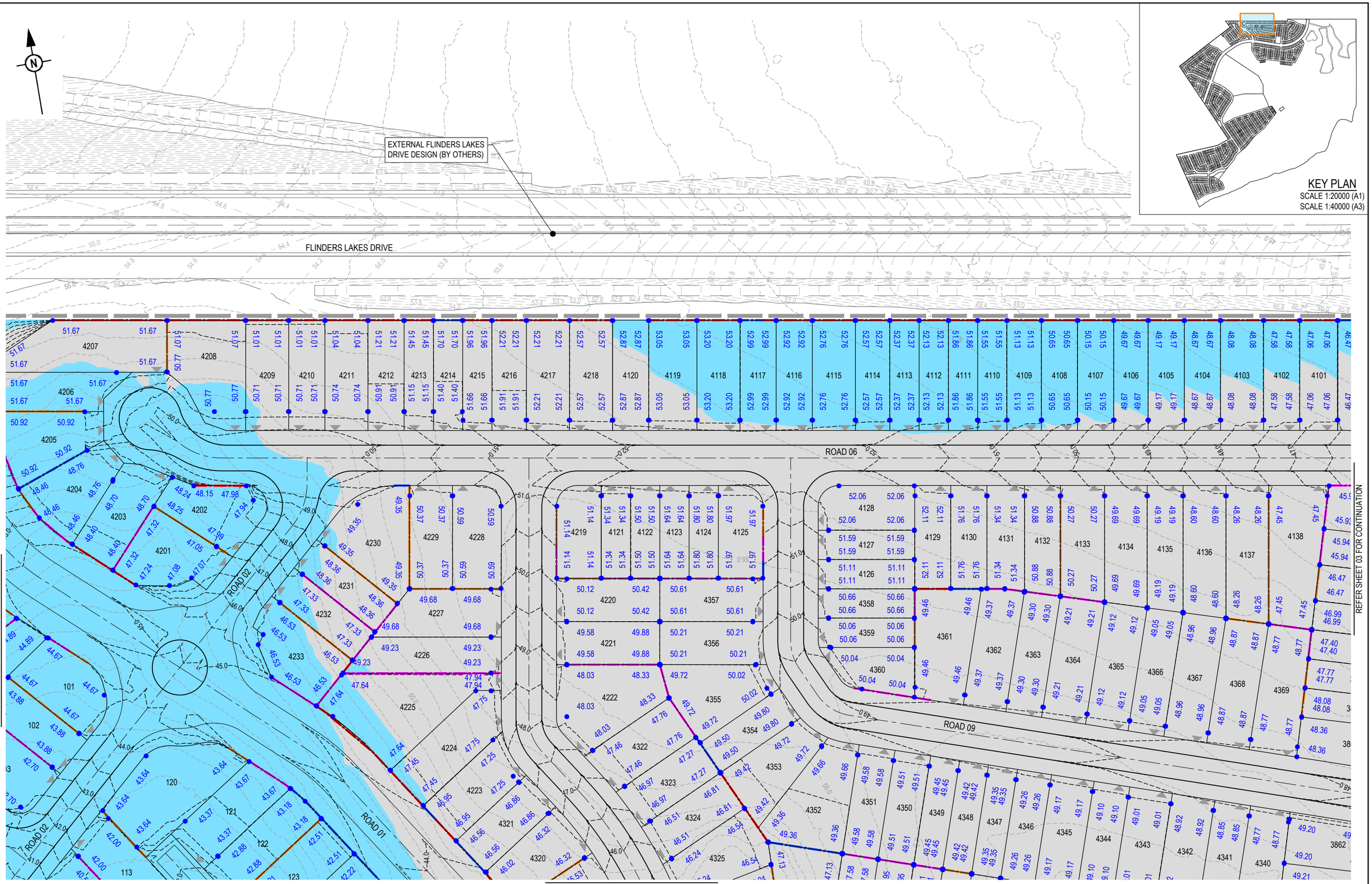
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1105	A

PLOT - 03 Aug 2026 03:15 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

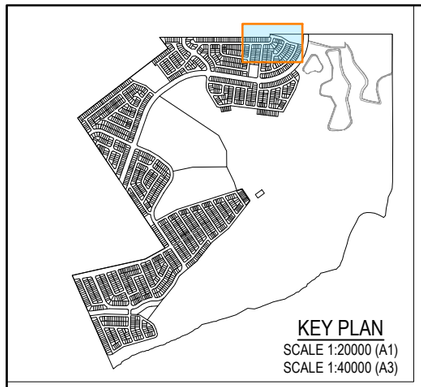
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1106	A

PLOT - 03 Aug 2026 03:15 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

ROAD 06

ROAD 08

ROAD 07

ROAD 05

ROAD 04

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REFER SHEET 09 & 10 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 3 OF 34

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1107	A

PLOT - 03 Aug 2026 03:15 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

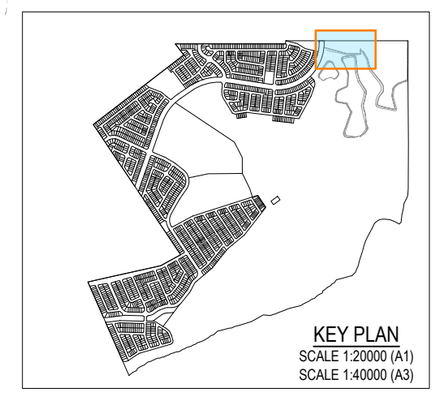
FLINDERS LAKES DRIVE

WYATT ROAD

REFER SHEET 03 FOR CONTINUATION

REFER SHEET 05 FOR CONTINUATION

REFER SHEET 07 & 08 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

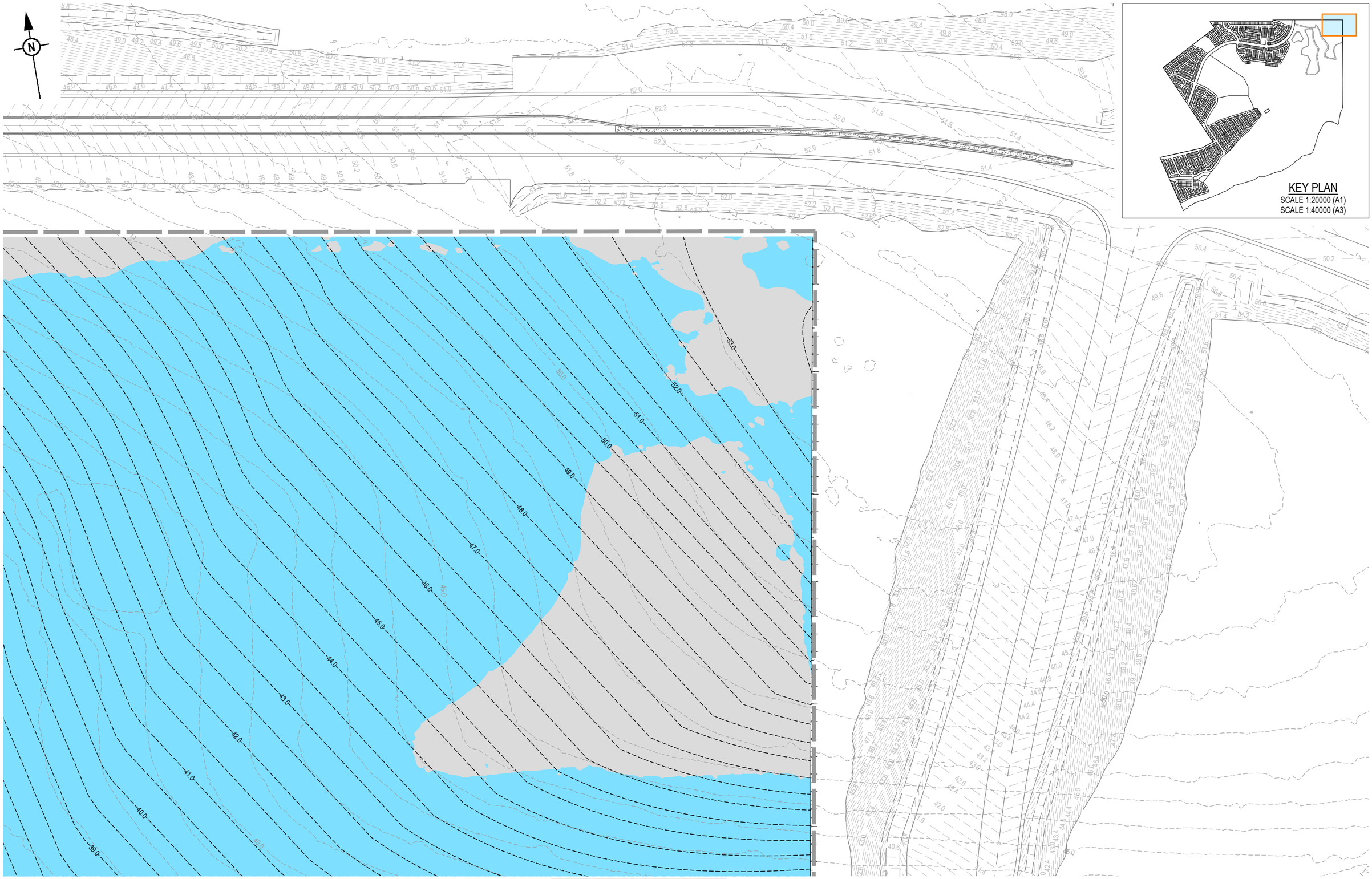
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 4 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1108	A

PLOT: 03 Aug 2026 03:15 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 5 OF 34**

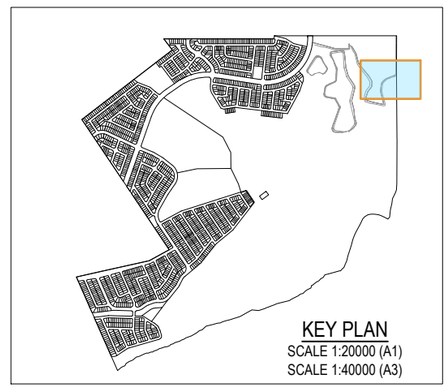
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1109	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\Dwl\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 05 FOR CONTINUATION

REFER SHEET 07 FOR CONTINUATION

REFER SHEET 17 FOR CONTINUATION



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

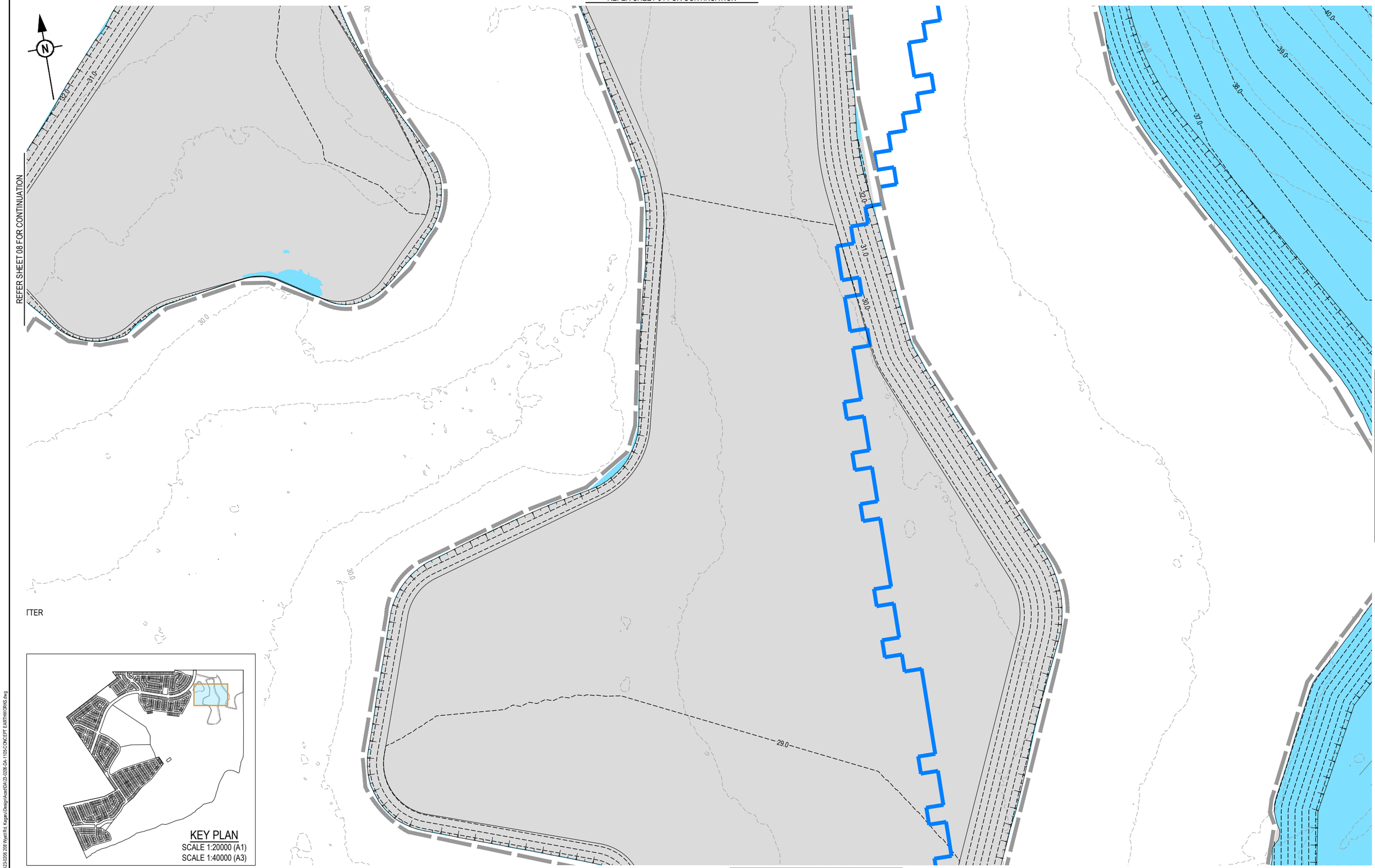
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 6 OF 34

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1110	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



ITER

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 7 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1111	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 03 & 04 FOR CONTINUATION

REFER SHEET 09 FOR CONTINUATION

REFER SHEET 07 FOR CONTINUATION

REFER SHEET 15 & 16 FOR CONTINUATION

ROAD 04

ROAD 05

ROAD 07

ROAD 14

WYATT ROAD

ROAD 01

PROPOSED 1 In 4 BATTER TO EXISTING

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000
10 5 0 10 20
A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 8 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1112	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23\23-0206 208 Watt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 02 & 03 FOR CONTINUATION

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 08 FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION

ROAD 01

ROAD 08

WYATT ROAD

ROAD 15

ROAD 16

ROAD 17

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 9 OF 34

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1113	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 01 & 02 FOR CONTINUATION

REFER SHEET 09 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 13 & 14 FOR CONTINUATION

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

ROAD 02

ROAD 12

ROAD 11

ROAD 18

ROAD 19

WYATT ROAD

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

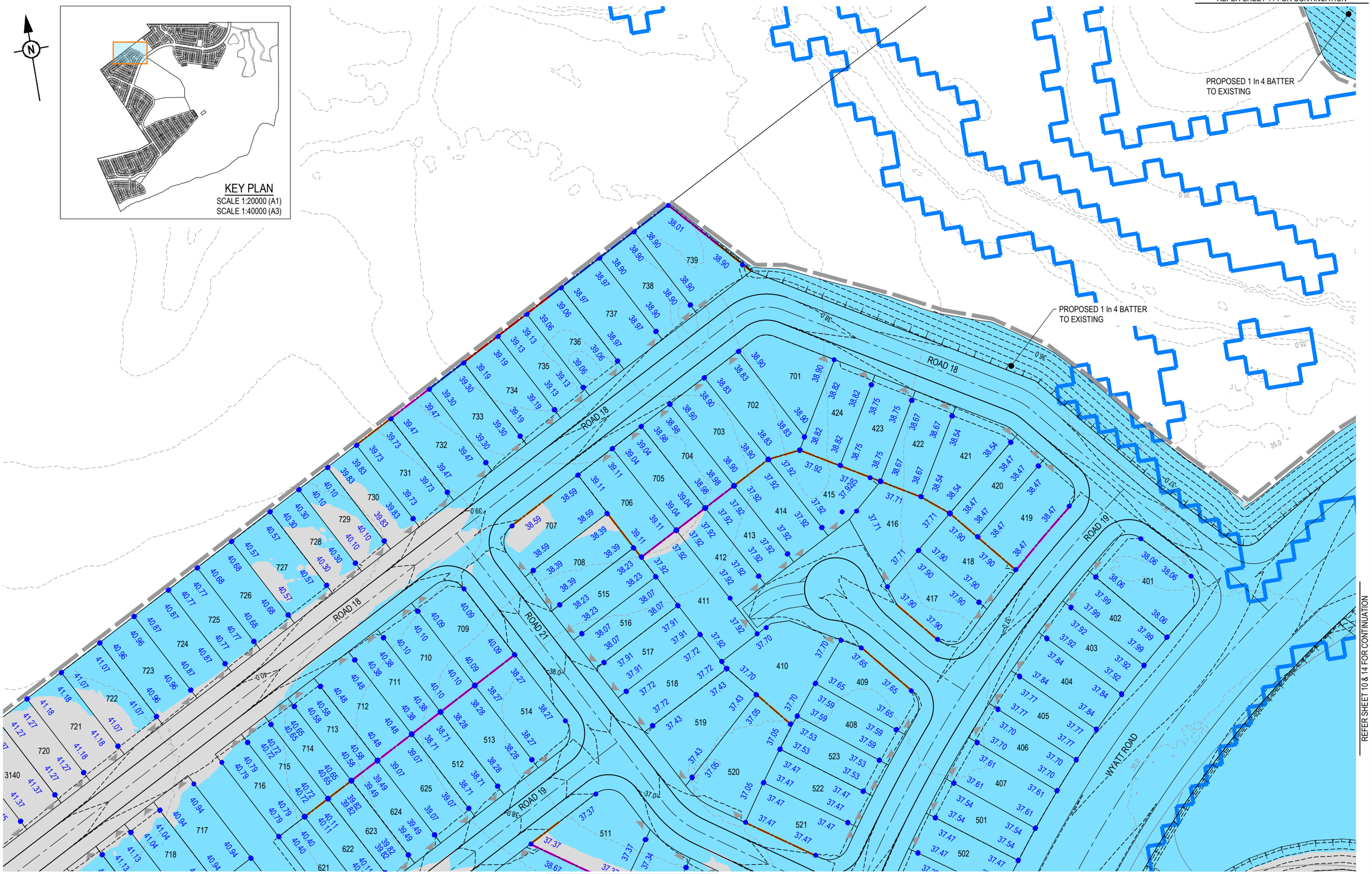
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 10 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1114	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 11 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1115	A

PLOT - 03 Aug 2026 03:16 PM LOCATION - H:\23\23206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 13 & 19 FOR CONTINUATION

REFER SHEET 18 FOR CONTINUATION

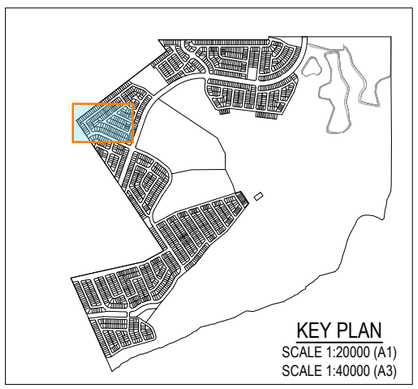
ROAD 18

ROAD 19

ROAD 22

ROAD 23

ROAD 25



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 12 OF 34

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1116	A

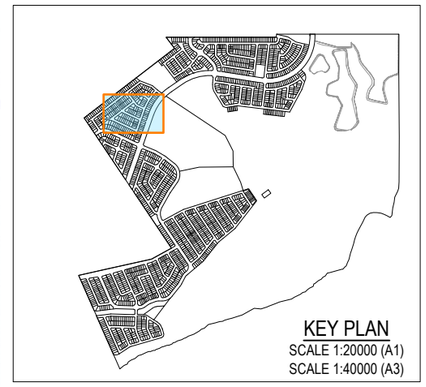
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REFER SHEET 11 FOR CONTINUATION

REFER SHEET 10 & 12 FOR CONTINUATION

REFER SHEET 14 FOR CONTINUATION

REFER SHEET 18 & 19 FOR CONTINUATION



ROAD 18
ROAD 19
ROAD 21
ROAD 22
ROAD 23
OVERLAND FLOW PATH

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 13 OF 34**

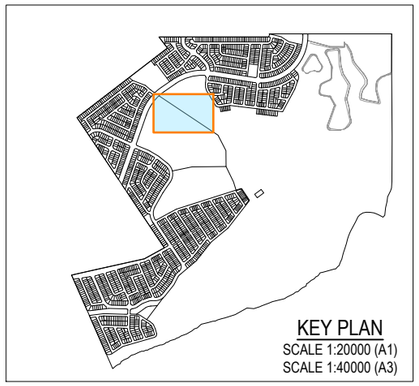
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1117	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 09 & 10 FOR CONTINUATION

REFER SHEET 15 FOR CONTINUATION

REFER SHEET 11 & 13 FOR CONTINUATION



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

PROPOSED 1 In 4 BATTER
TO EXISTING

35.0
34.0
33.0
31.0

REFER SHEET 19 & 20 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 14 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1118	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 08 & 09 FOR CONTINUATION

REFER SHEET 14 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION

ROAD 01

ROAD 15

ROAD 07

ROAD 14

PROPOSED 1 In 4 BATTER
TO EXISTING

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 15 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1119	A

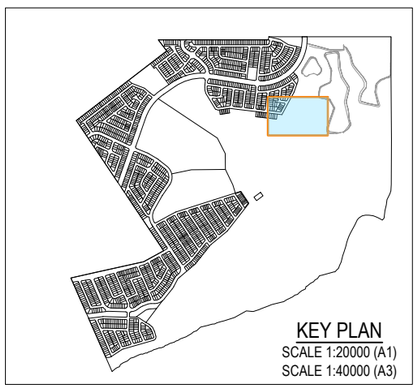
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REFER SHEET 07 & 08 FOR CONTINUATION

REFER SHEET 15 FOR CONTINUATION

REFER SHEET 17 FOR CONTINUATION

ROAD 13



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

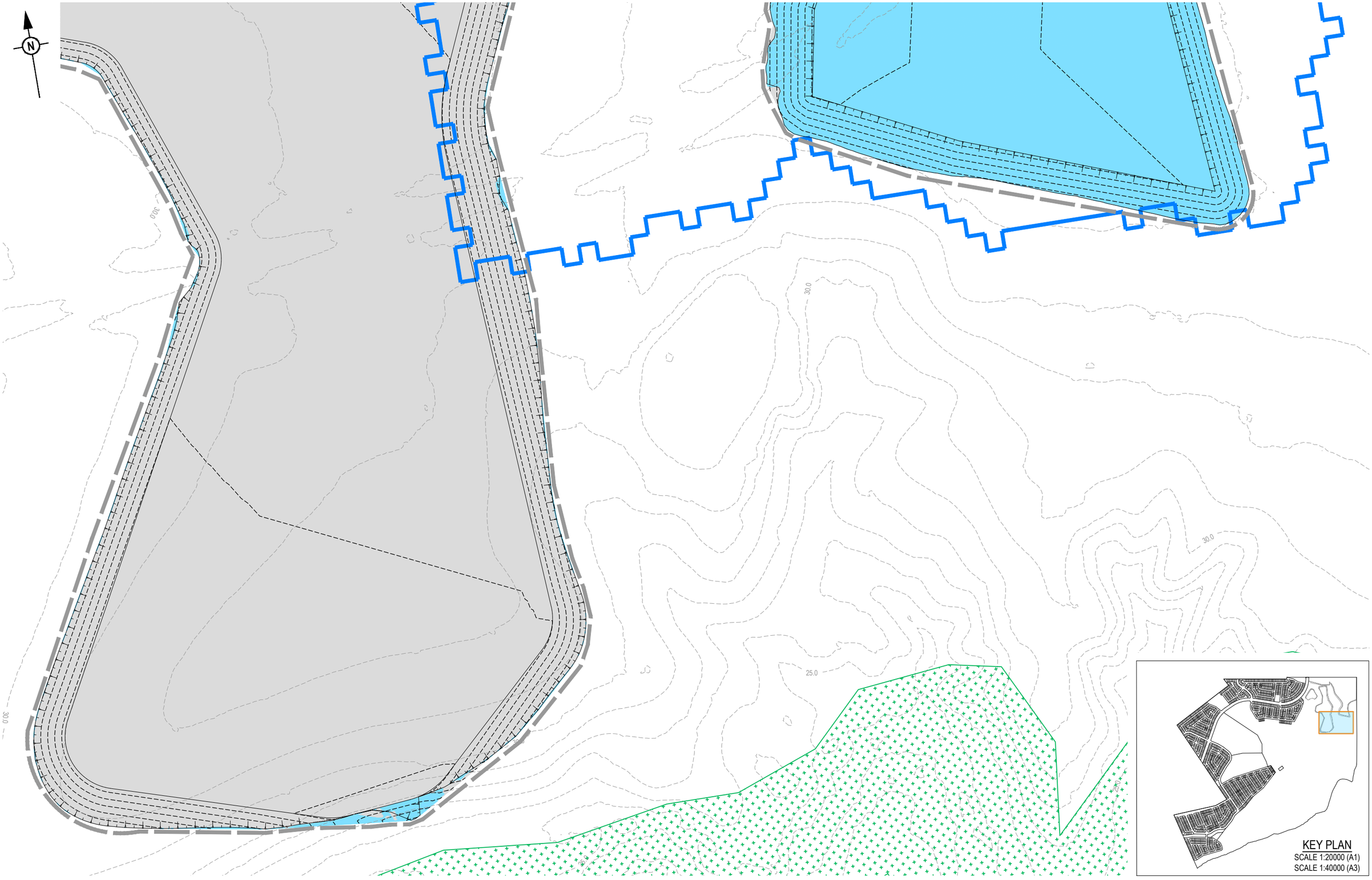
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PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1120	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 06 & 07 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

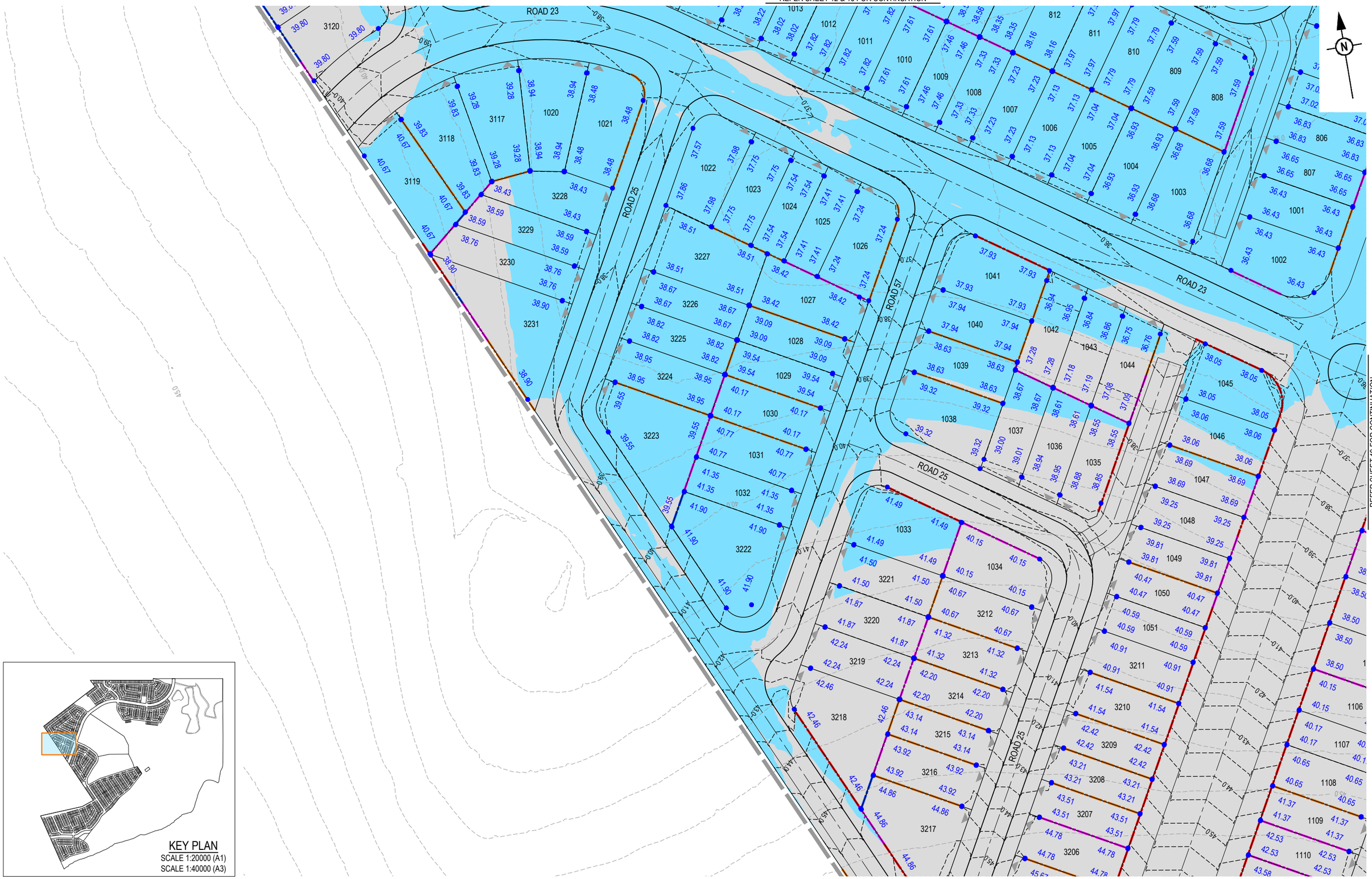
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 17 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1121	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 12 & 13 FOR CONTINUATION



REFER SHEET 19 FOR CONTINUATION

REFER SHEET 23 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 18 OF 34

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1122	A

PLOT: 03 Aug 2026 03:17 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 13 & 14 FOR CONTINUATION

REFER SHEET 12 & 18 FOR CONTINUATION

REFER SHEET 20 FOR CONTINUATION

REFER SHEET 22 & 23 FOR CONTINUATION

WYATT ROAD

ROAD 24

ROAD 26

ROAD 27

PROPOSED 1 In 4 BATTER TO EXISTING

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

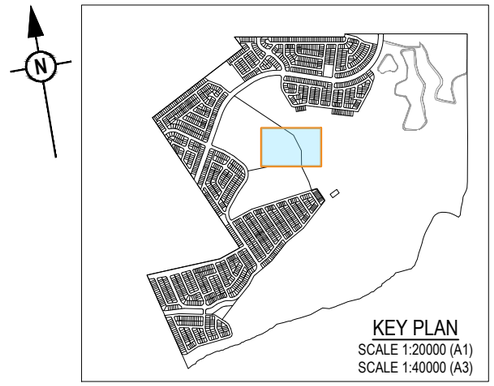
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 19 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1123	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 14 & 15 FOR CONTINUATION



REFER SHEET 19 FOR CONTINUATION

REFER SHEET 21 & 22 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

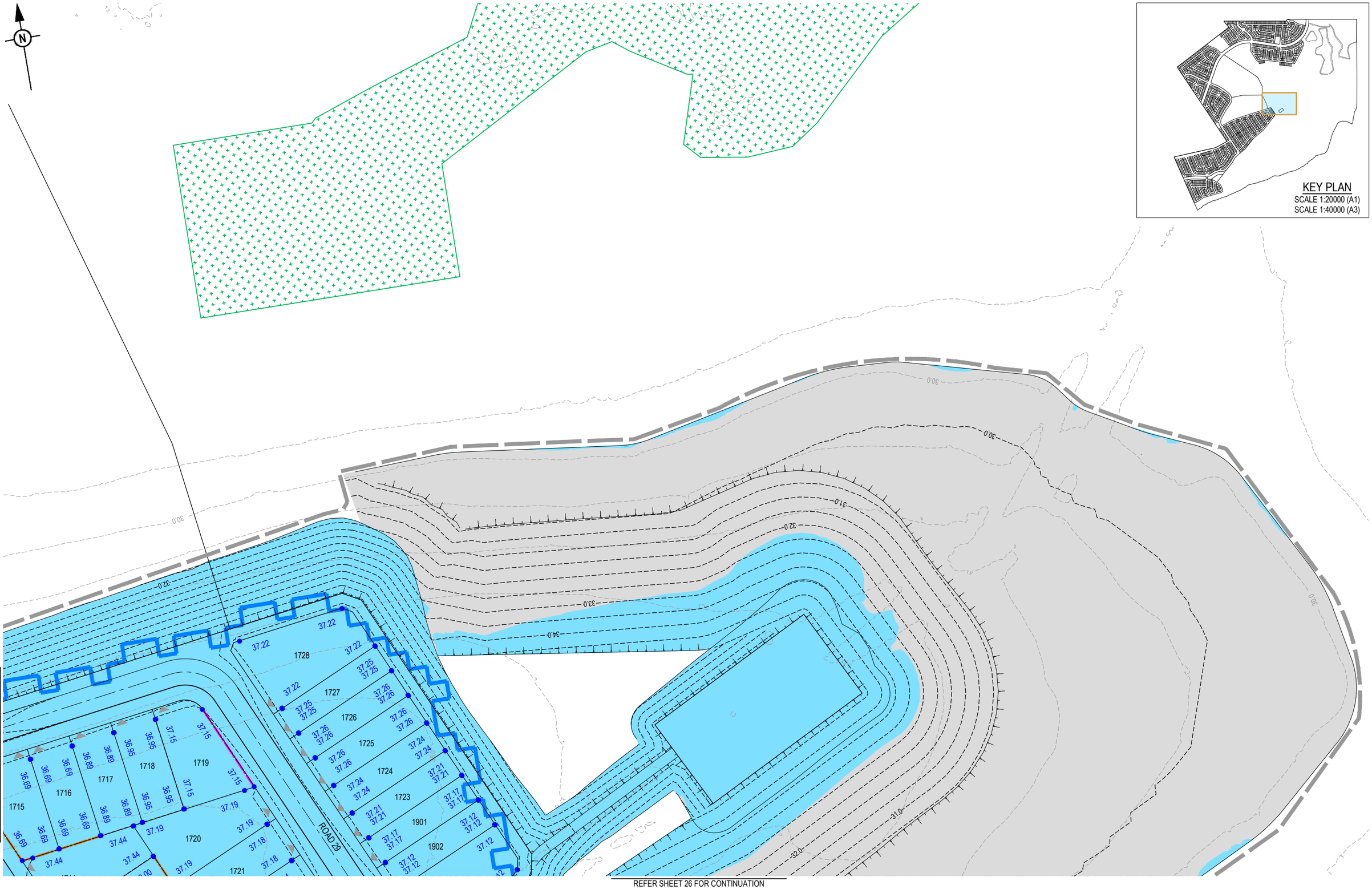
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 20 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1124	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 21 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1125	A

PLOT - 03 Aug 2026 03:17 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 23 FOR CONTINUATION

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

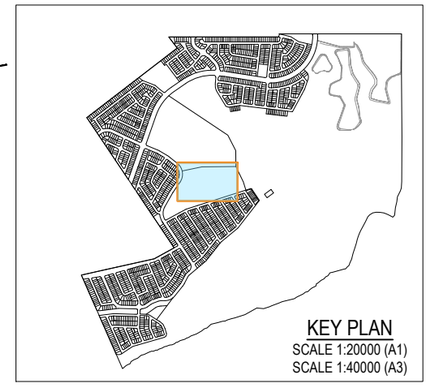
PROPOSED 1 In 4 BATTER TO EXISTING

ROAD 29

1715 1704 1703 1702

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 22 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1126	A

PLOT: 03 Aug 2026 03:18 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 12 & 13 FOR CONTINUATION

REFER SHEET 22 FOR CONTINUATION

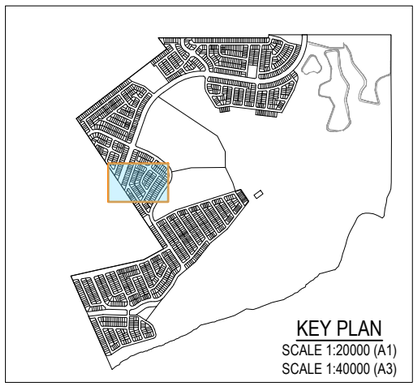
REFER SHEET 24 FOR CONTINUATION

ROAD 27

ROAD 26

WYATT ROAD

ROAD 24



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

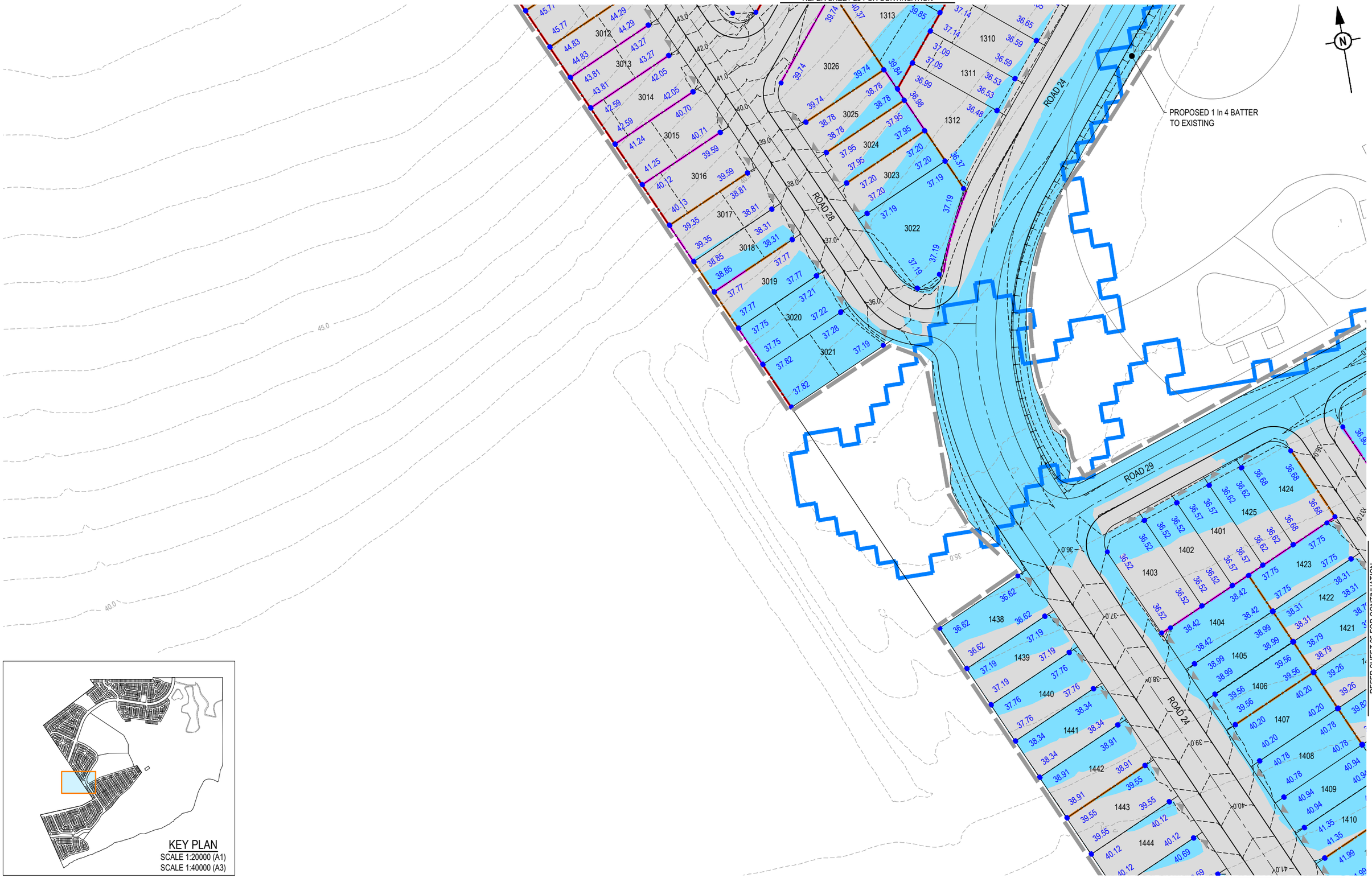
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 23 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1127	A

PLOT - 03 Aug 2026 03:18 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 23 FOR CONTINUATION



REFER SHEET 25 FOR CONTINUATION

REFER SHEET 28 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

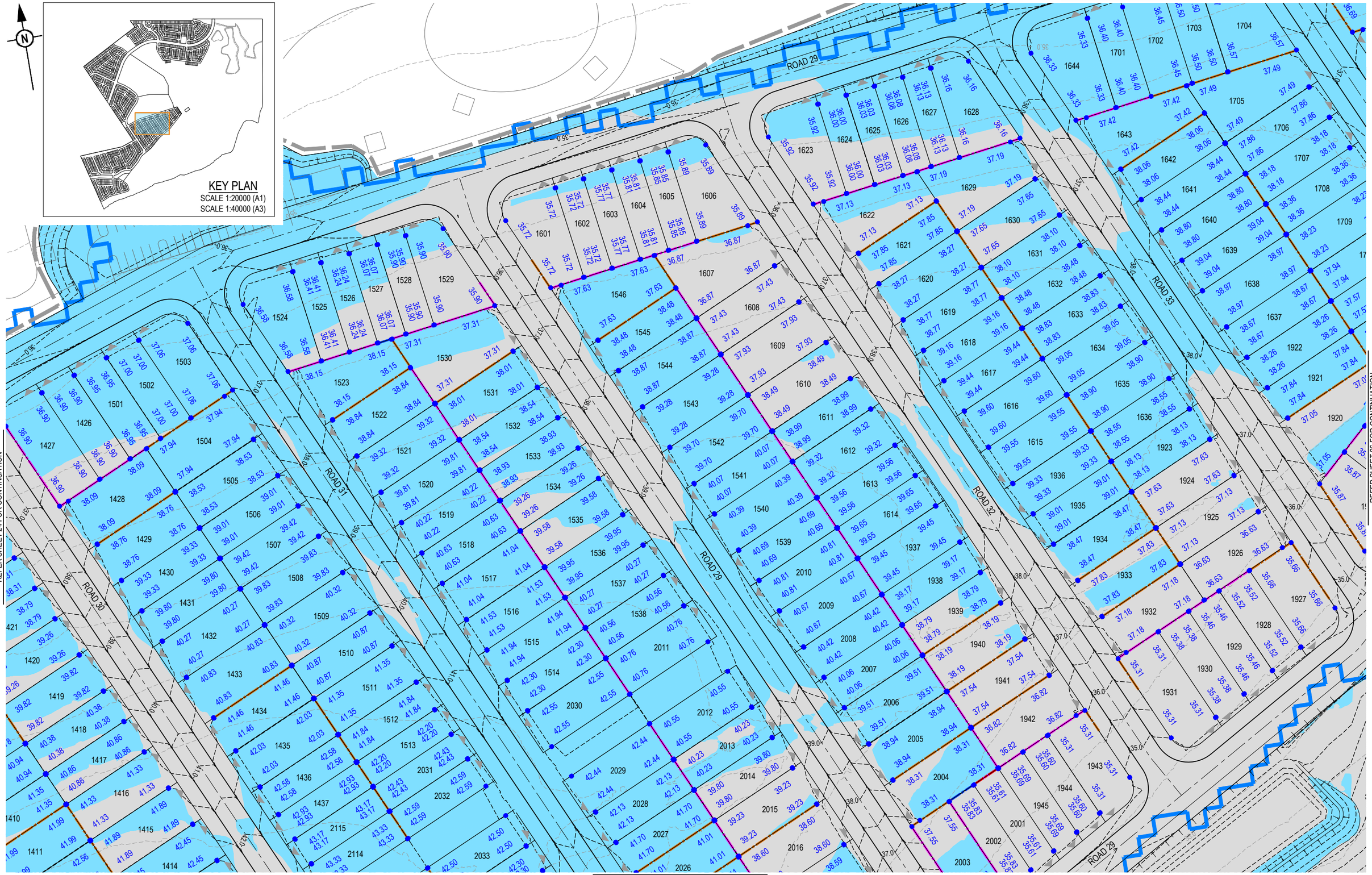
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 24 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1128	A

PLOT - 03 Aug 2026 03:18 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 25 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1129	A

PLOT - 03 Aug 2026 03:18 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Xsad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION

REFER SHEET 27 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 26 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1130	A

PLOT - 03 Aug 2026 03:18 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 25 & 26 FOR CONTINUATION

REFER SHEET 28 FOR CONTINUATION

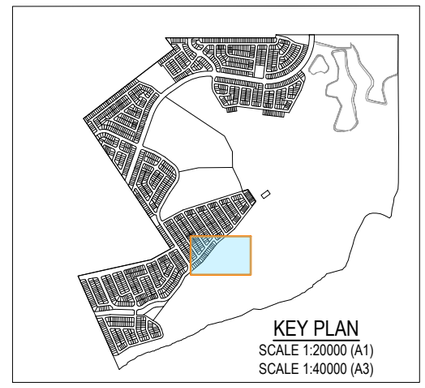
ROAD 29

ROAD 30

ROAD 35

PROPOSED 1 In 4 BATTER
TO EXISTING

REFER SHEET 31 FOR CONTINUATION



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

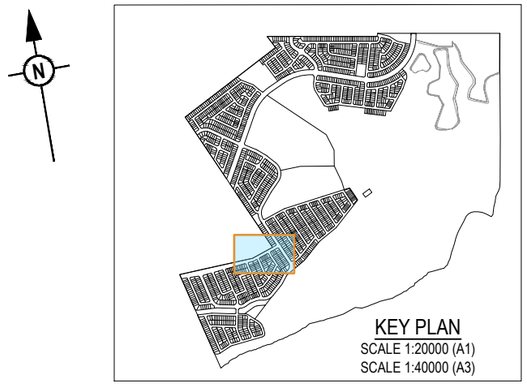
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 27 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1131	A

PLOT - 03 Aug 2026 03:18 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REFER SHEET 24 & 25 FOR CONTINUATION

REFER SHEET 27 FOR CONTINUATION

REFER SHEET 29 FOR CONTINUATION

REFER SHEET 30 & 31 FOR CONTINUATION

ROAD 38

ROAD 24

ROAD 37

ROAD 36

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

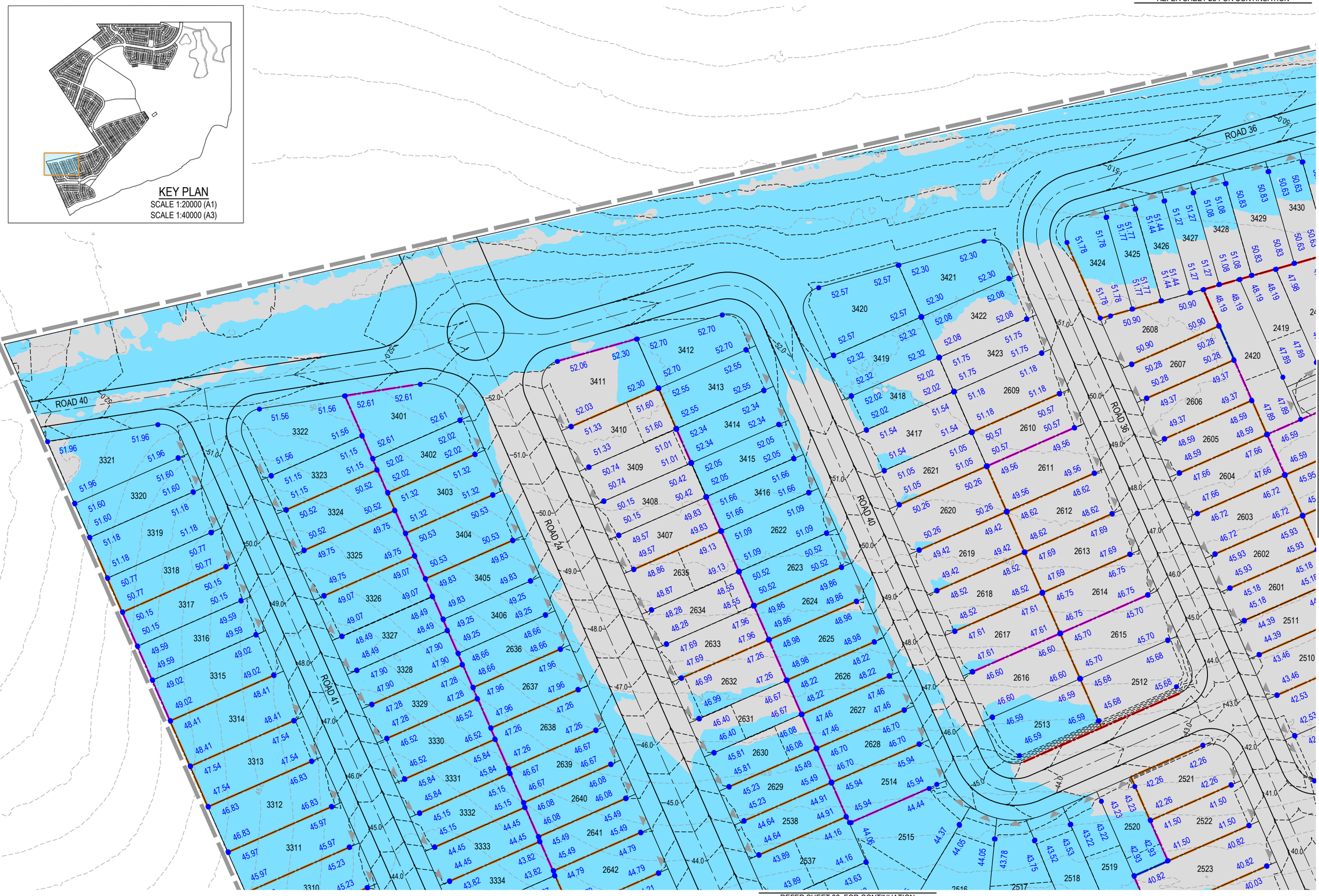
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 28 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1132	A

PLOT - 03 Aug 2026 03:18 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 28 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

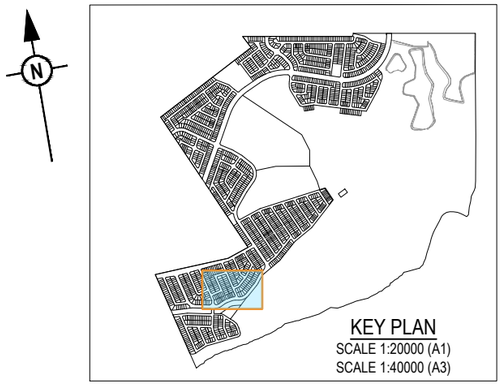
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 29 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1133	A

PLOT: 03 Aug 2026 03:16 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 28 FOR CONTINUATION



REFER SHEET 29 & 33 FOR CONTINUATION

REFER SHEET 31 FOR CONTINUATION

REFER SHEET 32 & 33 FOR CONTINUATION

ROAD 39
ROAD 37
ROAD 36
ROAD 24

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 30 OF 34

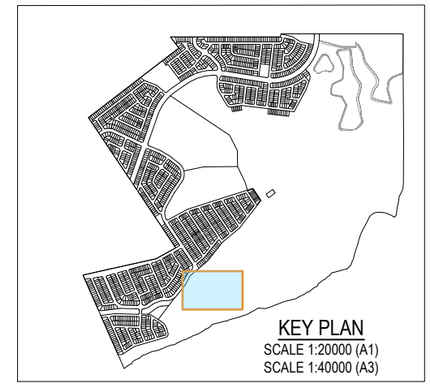
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1134	A

PLOT - 03 Aug 2026 03:19 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 27 & 28 FOR CONTINUATION

REFER SHEET 30 FOR CONTINUATION

PROPOSED 1 In 4 BATTER TO EXISTING



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 31 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1135	A

PLOT - 03 Aug 2026 03:19 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 30 FOR CONTINUATION

REFER SHEET 33 & 34 FOR CONTINUATION

REFER SHEET 07 & 06 FOR CONTINUATION

REFER SHEET 34 FOR CONTINUATION

ROAD 56

ROAD 43

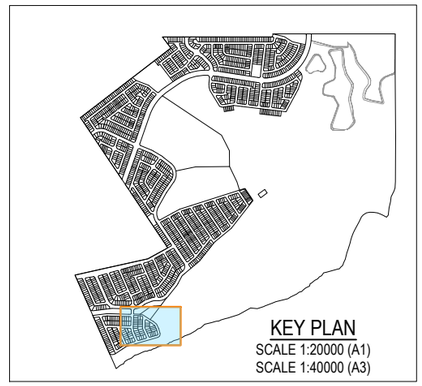
ROAD 44

ROAD 45

ROAD 36

ROAD 42

PROPOSED 1 In 4 BATTER TO EXISTING



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 32 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1136	A

PLOT - 03 Aug 2026 03:19 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 29 & 30 FOR CONTINUATION

ROAD 41

ROAD 24

ROAD 36

ROAD 56

ROAD 43

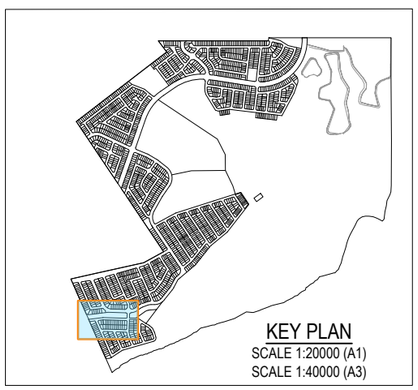
ROAD 42

ROAD 44

PROPOSED 1 In 4 BATTER TO EXISTING

REFER SHEET 30 & 32 FOR CONTINUATION

REFER SHEET 32 & 34 FOR CONTINUATION



KEY PLAN
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SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 33 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1137	A

PLOT - 03 Aug 2026 03:19 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 32 & 33 FOR CONTINUATION

REFER SHEET 33 FOR CONTINUATION

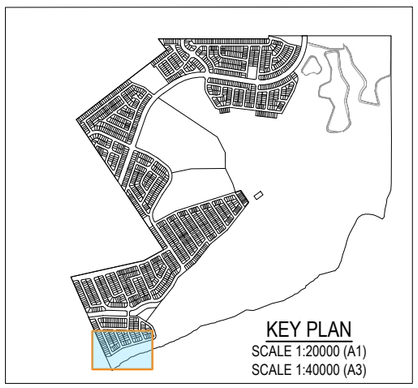
REFER SHEET 32 FOR CONTINUATION

ROAD 42

ROAD 45

ROAD 36

PROPOSED 1 In 4 BATTER
TO EXISTING



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
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CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

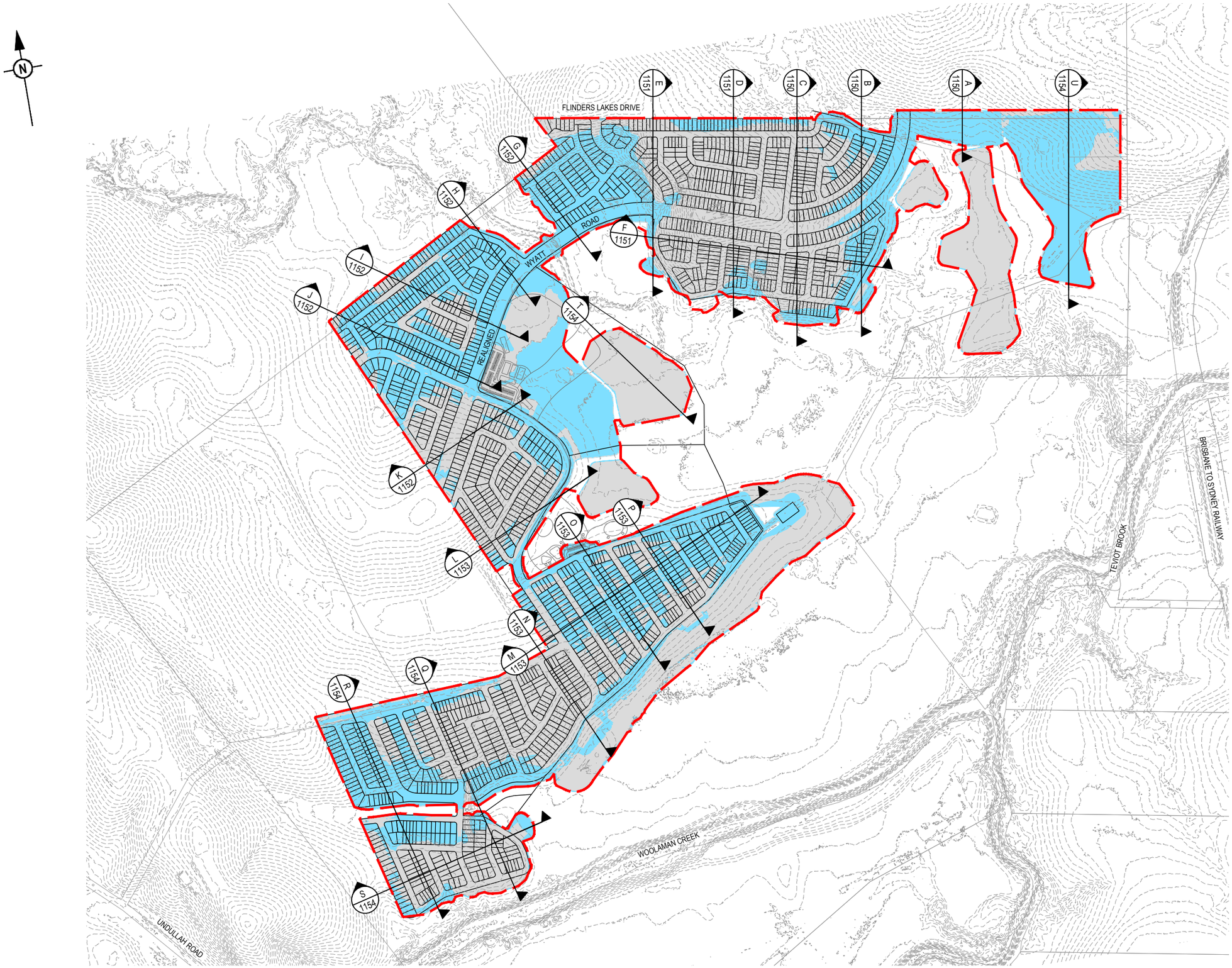
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 34 OF 34**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1138	A

PLOT - 03 Aug 2026 03:19 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

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1:10000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

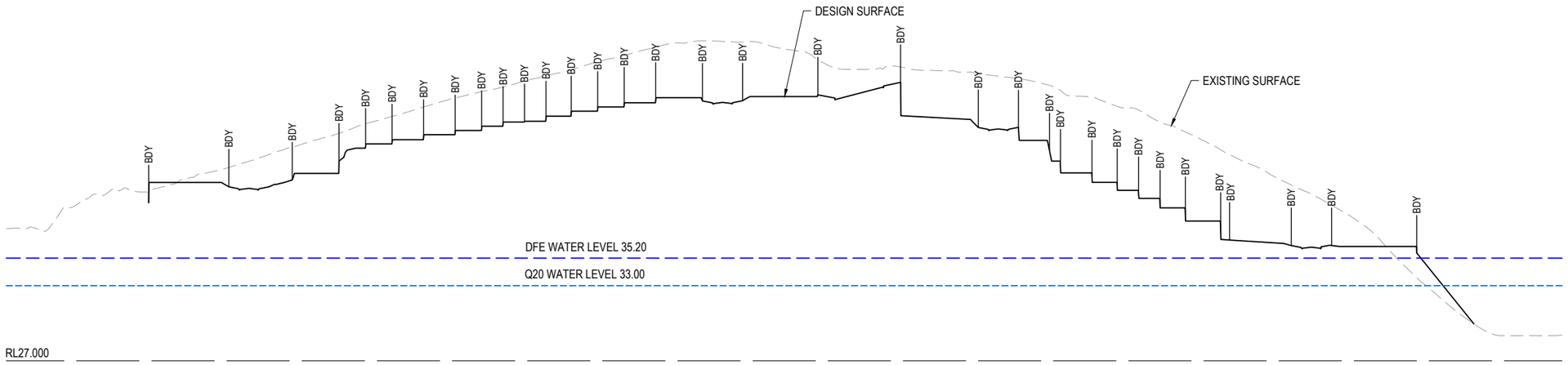
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

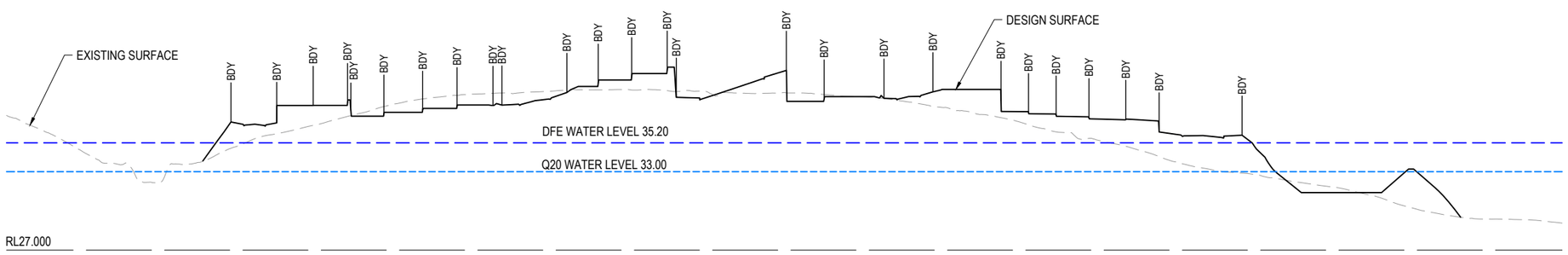
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PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1150	A

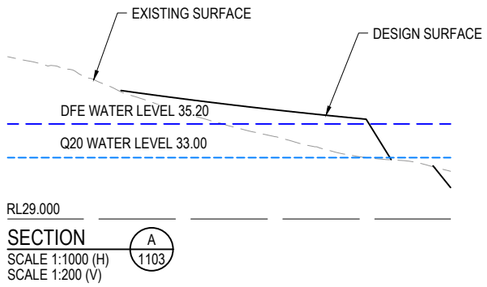
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SECTION C 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



SECTION B 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



SECTION A 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:1000 10 0 10 20 30 40 50 A1
1:2000 A3
HORIZONTAL

1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

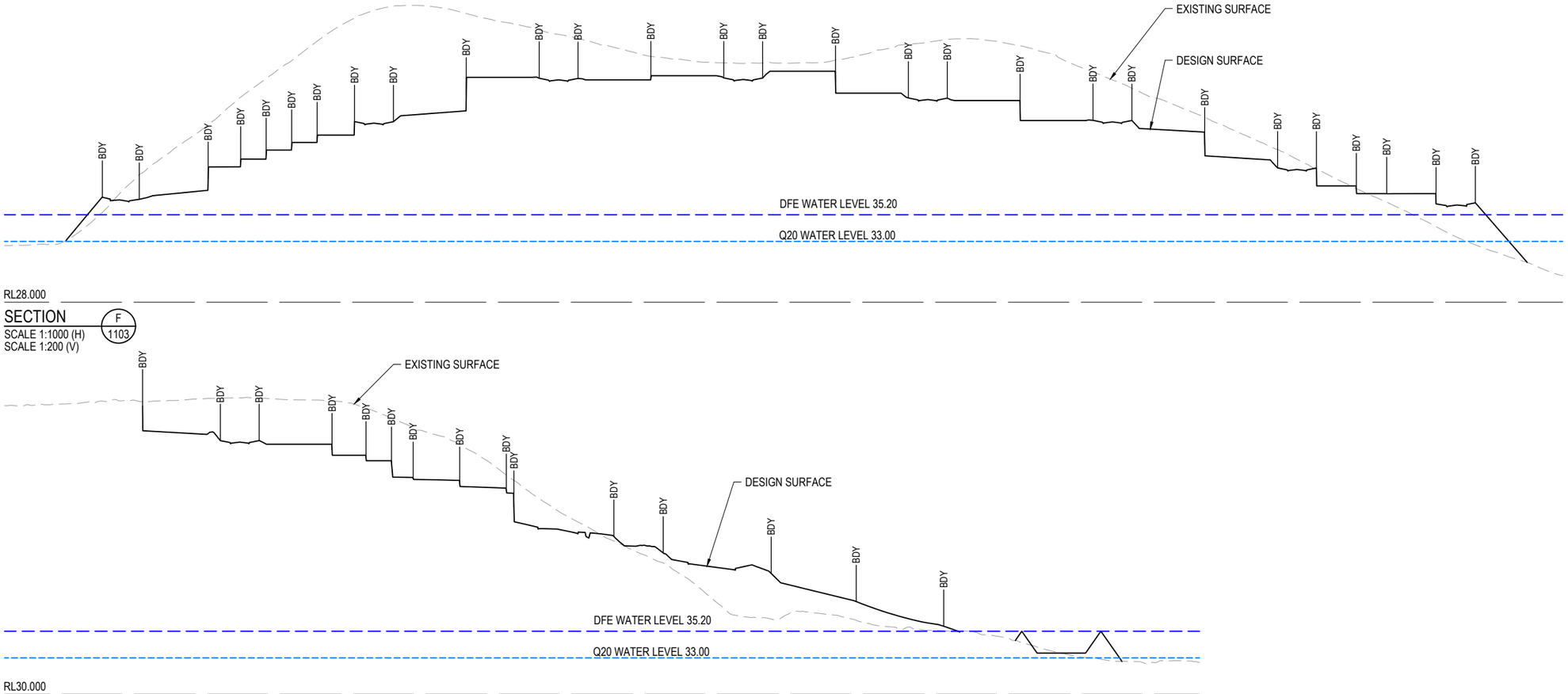
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 1 OF 5**

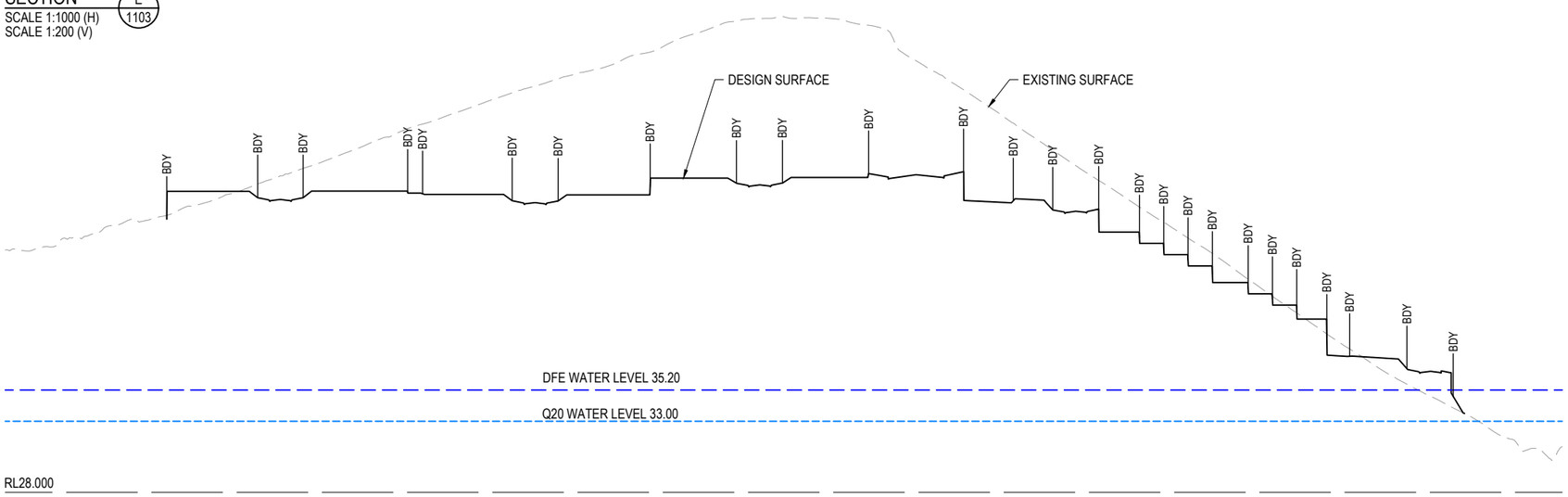
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1151	A

PLOT - 03 Aug 2026 03:23 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1151-CONCEPT EW SECTIONS.dwg



SECTION F 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)

SECTION E 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



SECTION D 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

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1:2000 A3
HORIZONTAL

1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

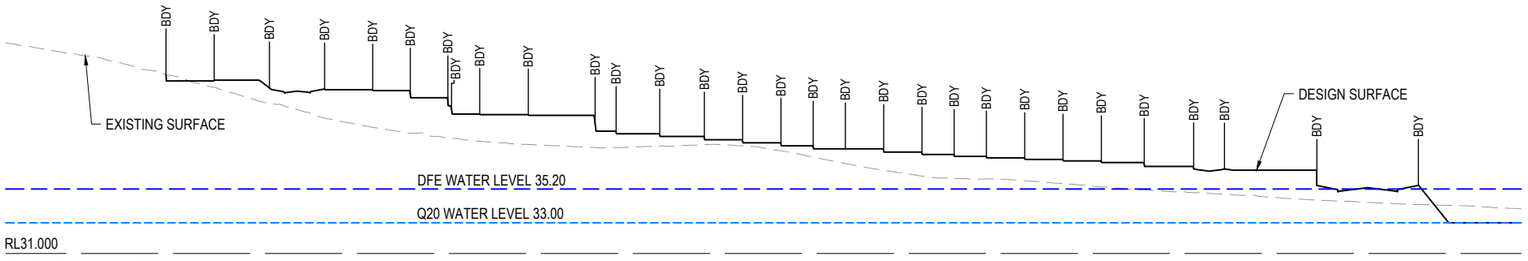
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

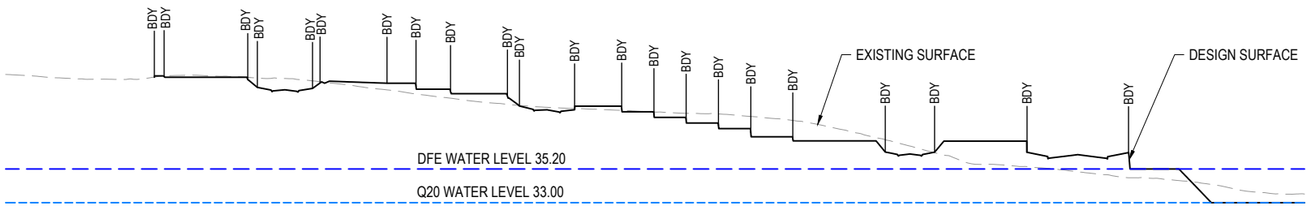
DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 2 OF 5**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1152	A

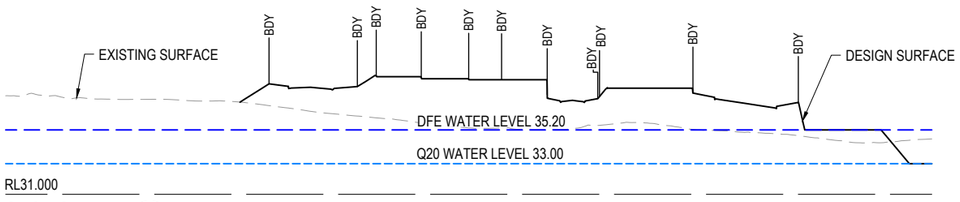
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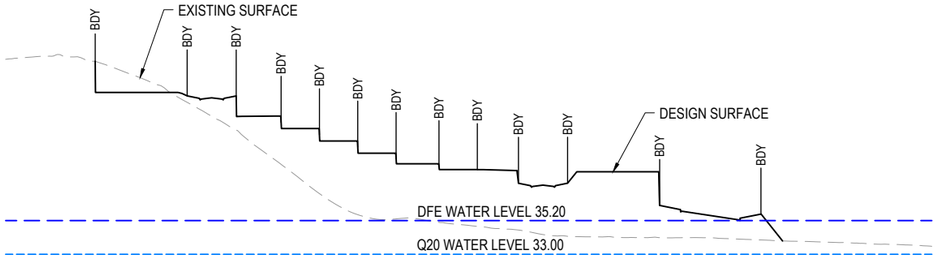
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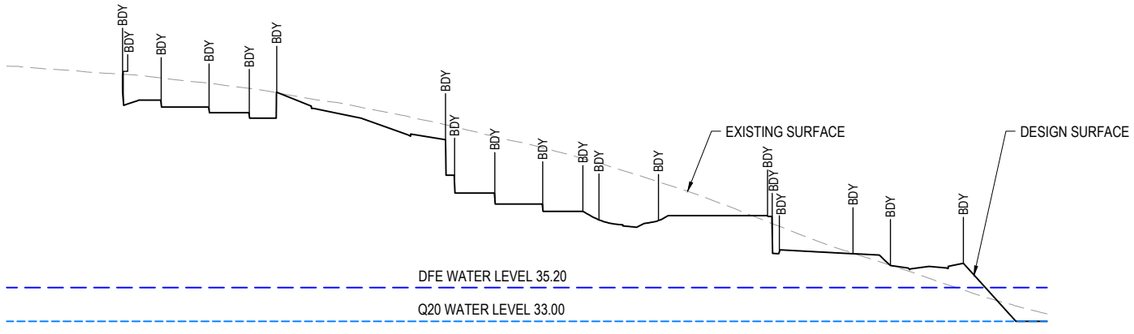
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SCALE 1:1000 (H)
SCALE 1:200 (V)



SECTION H 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



SECTION G 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



SECTION K 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

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1:2000										A3
				HORIZONTAL						
1:200	2	0	2	4	6	8	10			A1
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				VERTICAL						

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

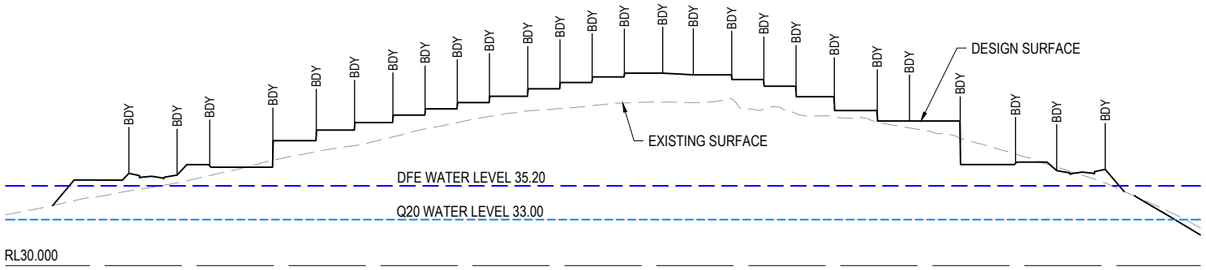
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 3 OF 5**

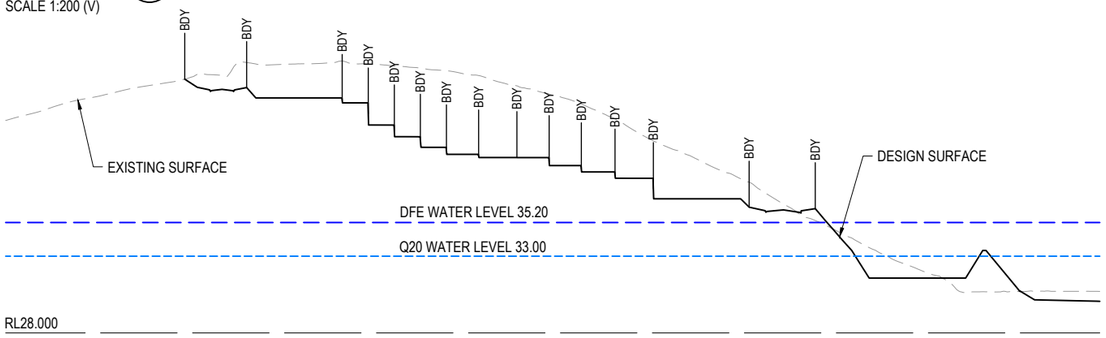
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1153	A

PLOT: 03 Aug 2026 03:23 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1151-CONCEPT EW SECTIONS.dwg



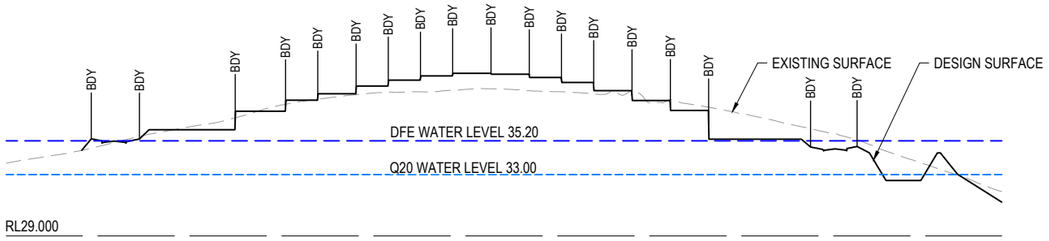
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SECTION O 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



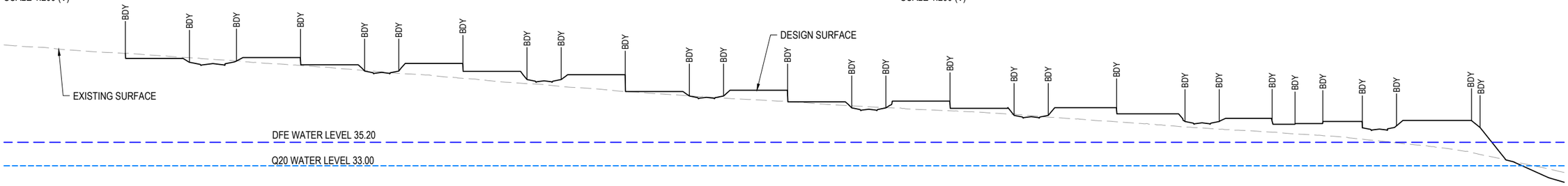
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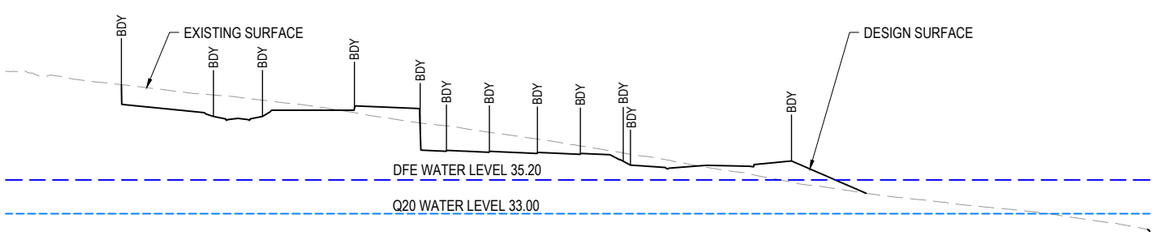
RL29.000

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SCALE 1:200 (V)



RL29.000

SECTION M 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)



RL30.000

SECTION L 1103
SCALE 1:1000 (H)
SCALE 1:200 (V)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

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HORIZONTAL

1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

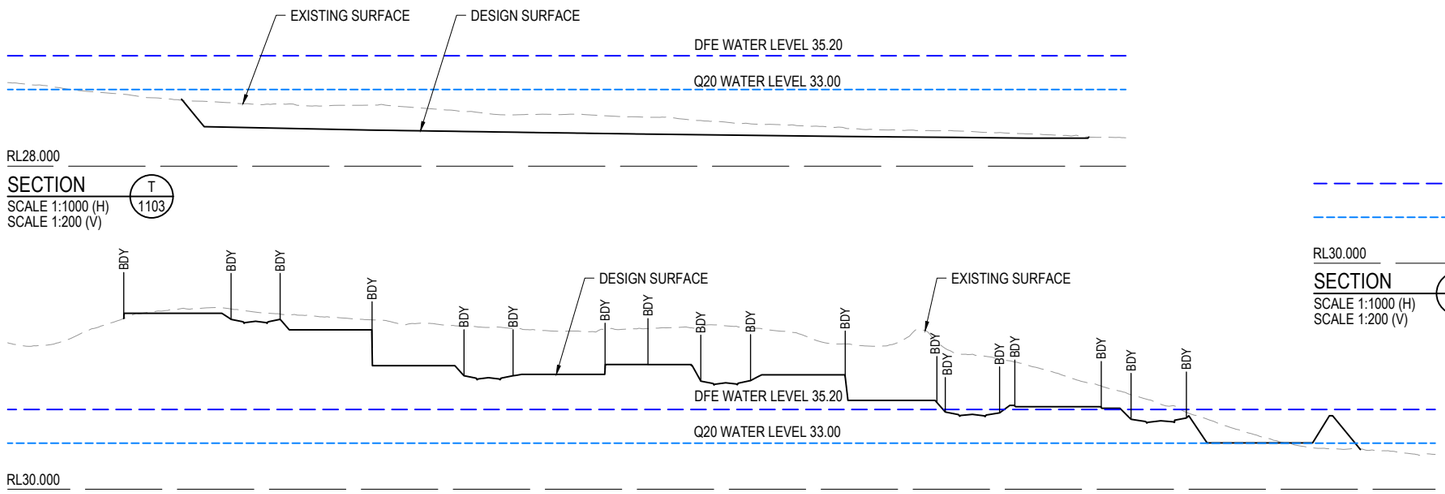
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

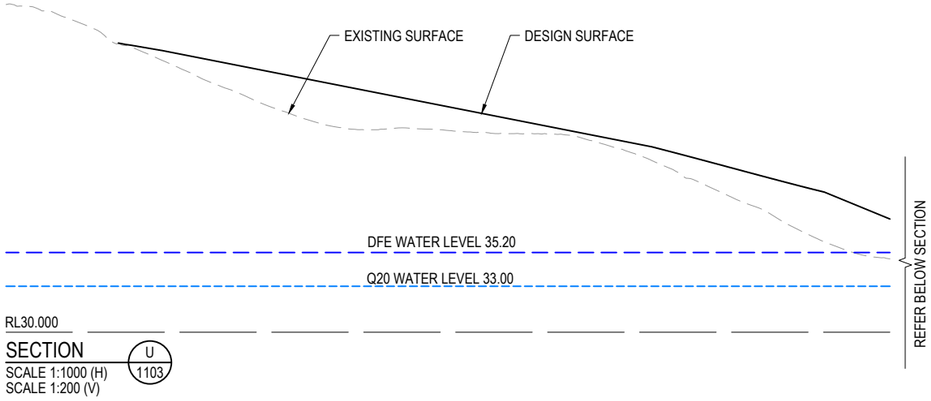
DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 4 OF 5**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1154	A

PLOT - 03 Aug 2026 03:23 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1151-CONCEPT EW SECTIONS.dwg

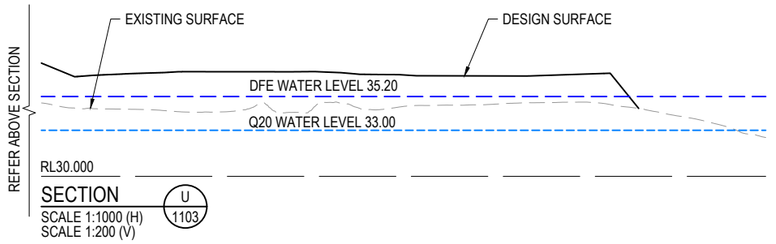


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1103

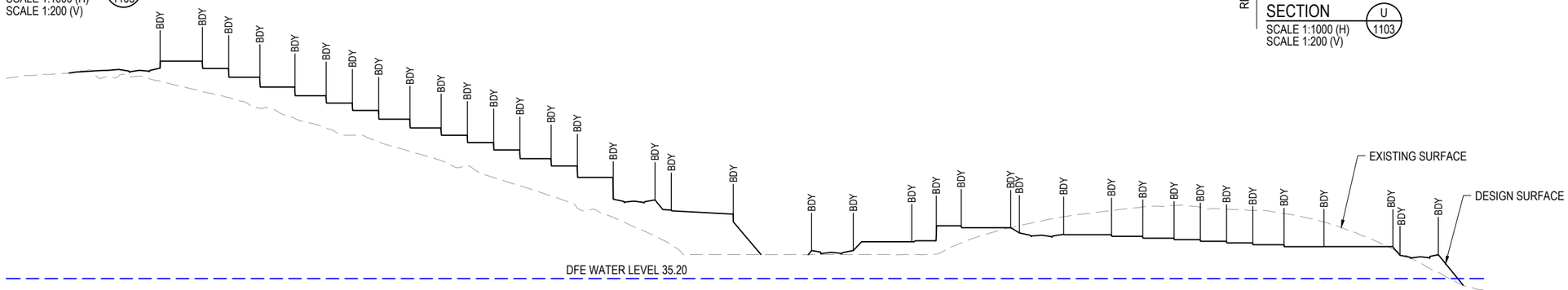


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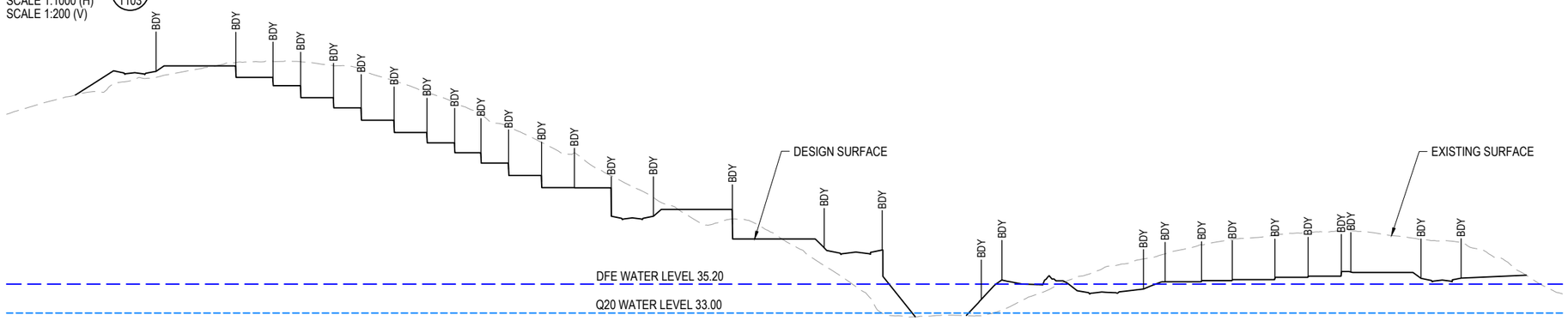
SECTION S
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1103



SECTION U
SCALE 1:1000 (H)
SCALE 1:200 (V)
1103



SECTION R
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SCALE 1:200 (V)
1103



SECTION Q
SCALE 1:1000 (H)
SCALE 1:200 (V)
1103

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:1000 10 0 10 20 30 40 50 A1
1:2000 A3
HORIZONTAL

1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

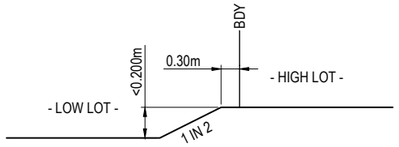
DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 5 OF 5**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1155	A

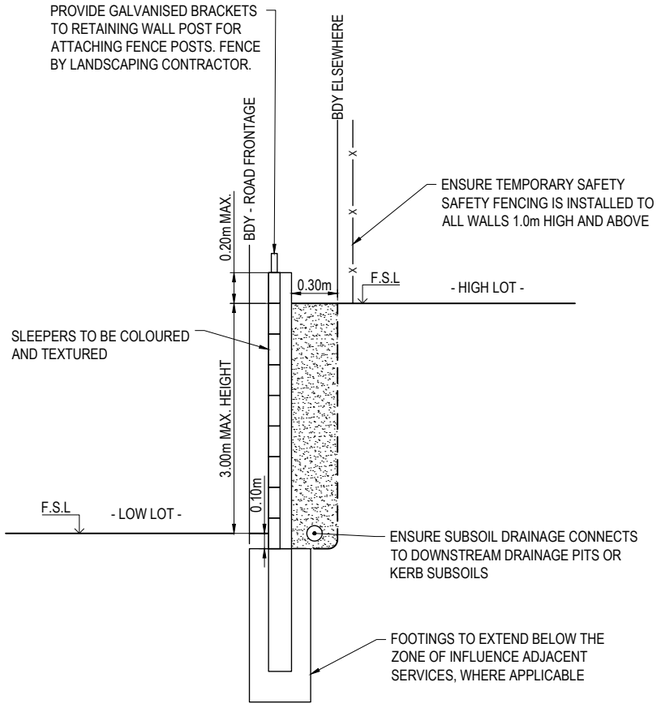
PLOT - 03 Aug 2026 03:23 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1151-CONCEPT EW SECTIONS.dwg

RETAINING WALL NOTES:

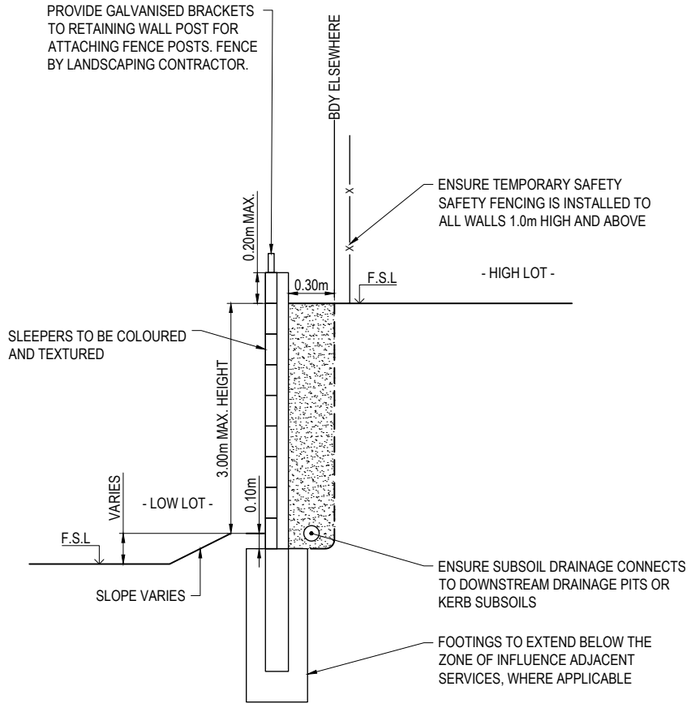
1. ALL RETAINING WALLS ARE TO BE DELIVERED UNDER DESIGN AND CONSTRUCTION ARRANGEMENT - FORMS 15 AND 12 CERTIFICATIONS ARE TO BE PROVIDED BY THE CONTRACTOR.
2. DESIGN OF WALLS TO CONSIDER ALL LOADS (FENCES, DWELLINGS ETC) AS WELL AS ASSOCIATED IMPACTS FROM ANY ADJACENT SERVICES - FOOTING DEPTHS TO BE EXTENDED AS REQUIRED.
3. GEOTECHNICAL CONDITIONS ARE TO BE CONFIRMED AND APPROPRIATELY CONSIDERED FOR ALL WALLS.
4. REFER LANDSCAPE DRAWINGS FOR FURTHER INFORMATION ON RETAINING WALLS, PARTICULARLY RELATING TO FINISHES.
5. TEMPORARY SAFETY FENCING TO BE INSTALLED BEHIND ALL WALLS 1.0m HIGH AND GREATER.



TYPICAL STEP BETWEEN LOTS DETAIL
SCALE 1:50 (A1)
SCALE 1:100 (A3)



TYPICAL RETAINING DETAIL
SCALE 1:20 (A1)
SCALE 1:40 (A3)



TYPICAL RETAINING DETAIL
(GREATER THAN 2.5m HEIGHT)
SCALE 1:20 (A1)
SCALE 1:40 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3
1:50 1 0.5 0 1 2 A1
1:100 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL DETAILS**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1156	A

PLOT: 03 Aug 2026 03:23 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1151-CONCEPT EW SECTIONS.dwg

LEGEND:

- SITE BOUNDARY
- TRUNK COLLECTOR - 33.00m
- TRUNK CONNECTOR (ENTRY) - 26.50m
- TRUNK CONNECTOR - 24.00m
- NEIGHBOURHOOD CONNECTOR - 22.00m
- NEIGHBOURHOOD CONNECTOR - 21.10m
- NEIGHBOURHOOD ACCESS STREET - 16.00m
- NEIGHBOURHOOD ACCESS STREET - 15.10m
- DRIVEWAY RESERVE - 10.00m



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:2000 20 0 20 40 60 80 100 A1

1:4000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

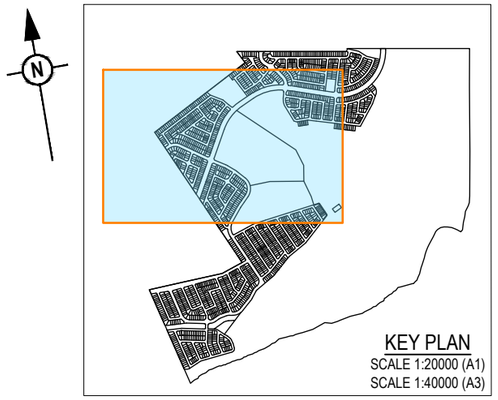
PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT ROAD TYPES LAYOUT PLAN SHEET 1 OF 3**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1200	A

PLOT - 03 Aug 2026 03:26 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT ROAD HIERARCHY & TYP SECTIONS.dwg



REFER SHEET 1 FOR CONTINUATION

REFER SHEET 1 FOR CONTINUATION

REFER SHEET 3 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:2000 20 0 20 40 60 80 100 A1

1:4000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

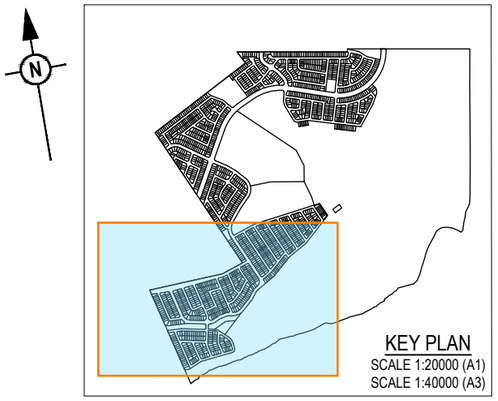
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROAD TYPES LAYOUT PLAN SHEET 2 OF 3**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1201	A

PLOT - 03 Aug 2026 03:26 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT ROAD HIERARCHY & TYP SECTIONS.dwg



REFER SHEET 2 FOR CONTINUATION

WOOLAMAN CREEK

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:2000 20 0 20 40 60 80 100 A1

1:4000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

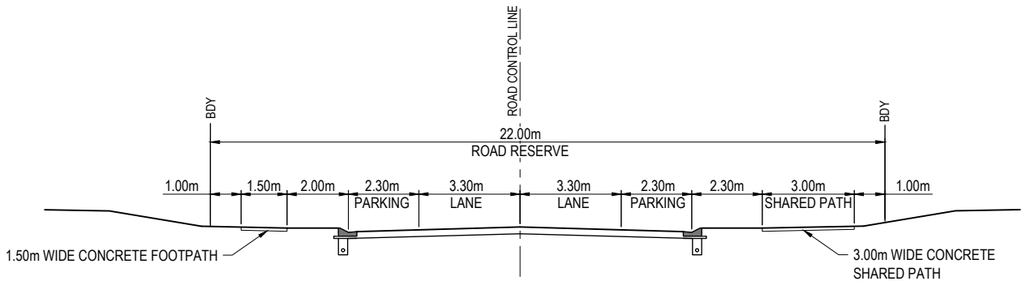
PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

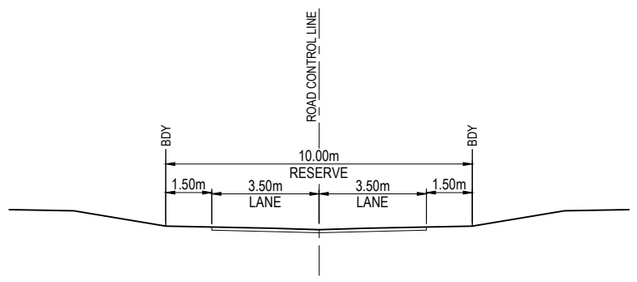
DRAWING TITLE: **CONCEPT ROAD TYPES LAYOUT PLAN SHEET 3 OF 3**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1202	A

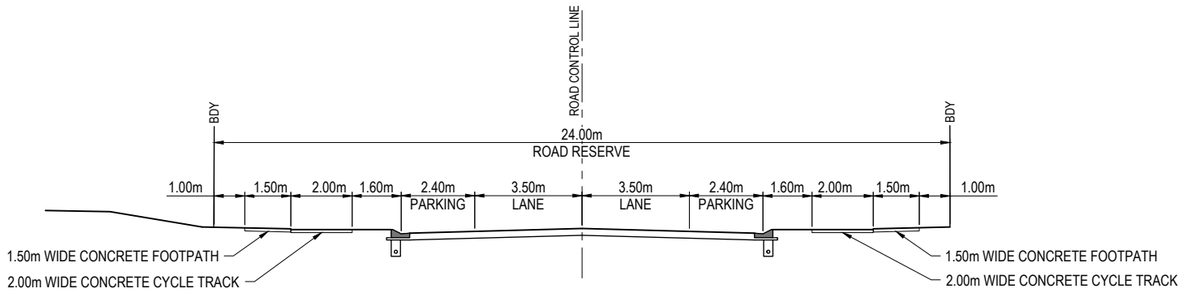
PLOT: 03 Aug 2026 03:26 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT ROAD HIERARCHY & TYP SECTIONS.dwg



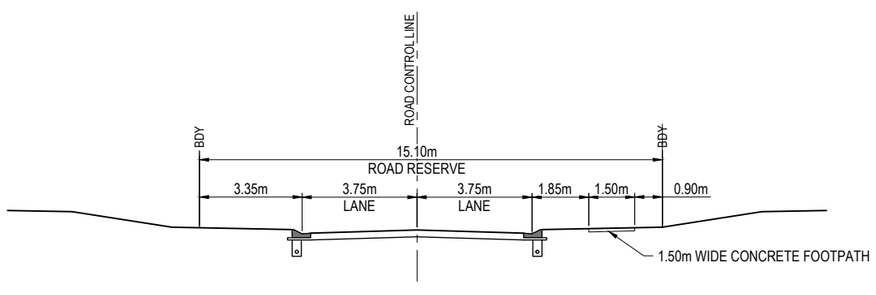
NEIGHBOURHOOD CONNECTOR : 2 LANE WITH PARKING 22.00m



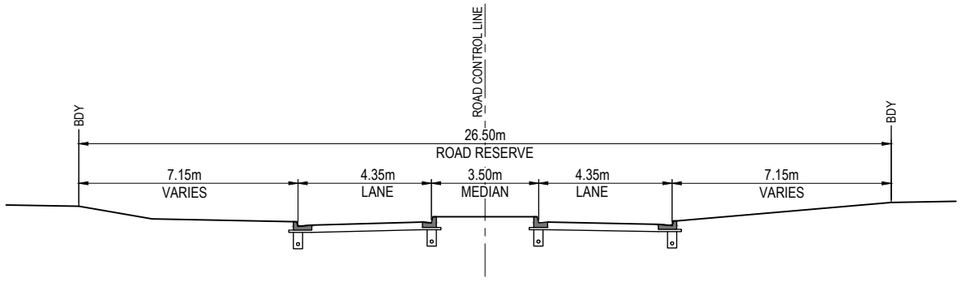
DRIVEWAY (TYPICAL) 10.00m



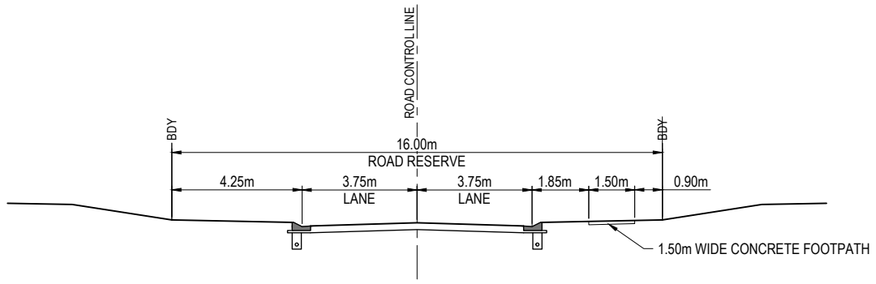
TRUNK CONNECTOR : 2 LANE WITH PARKING 24.00m



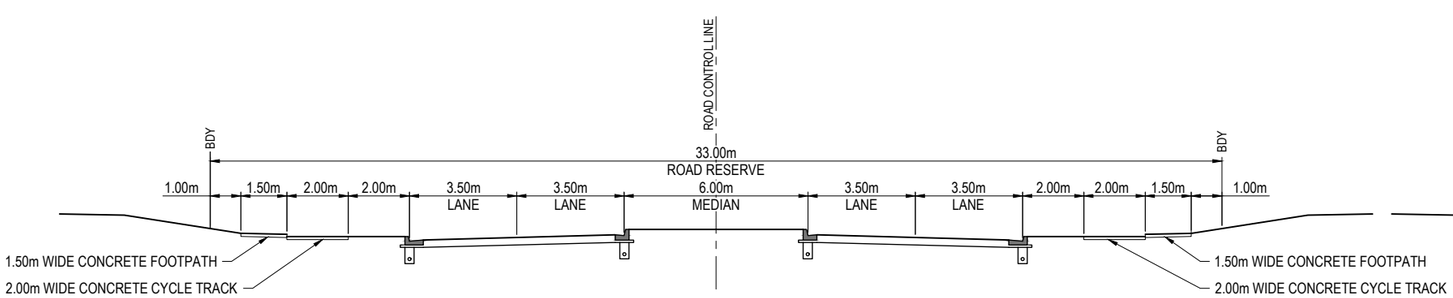
NEIGHBOURHOOD ACCESS STREET (TYPICAL) 15.10m



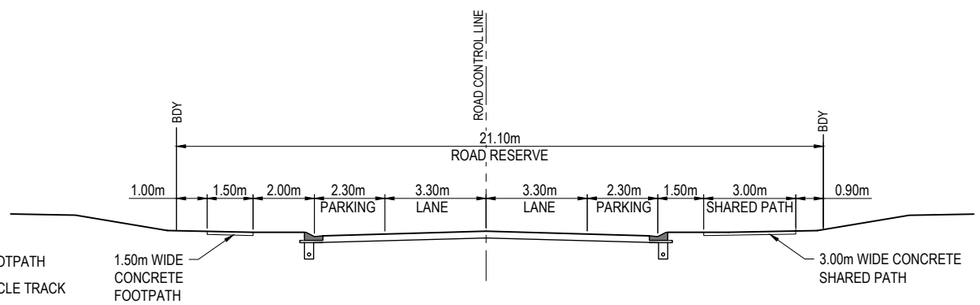
TRUNK COLLECTOR (ENTRY) 26.50m



NEIGHBOURHOOD ACCESS STREET (TYPICAL) 16.00m



TRUNK COLLECTOR : 4 LANE WITH MEDIAN (NO PARKING) 33.00m



NEIGHBOURHOOD CONNECTOR : 2 LANE WITH PARKING 21.10m

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:100 / 1:200 — 1 0 1 2 3 4 5 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

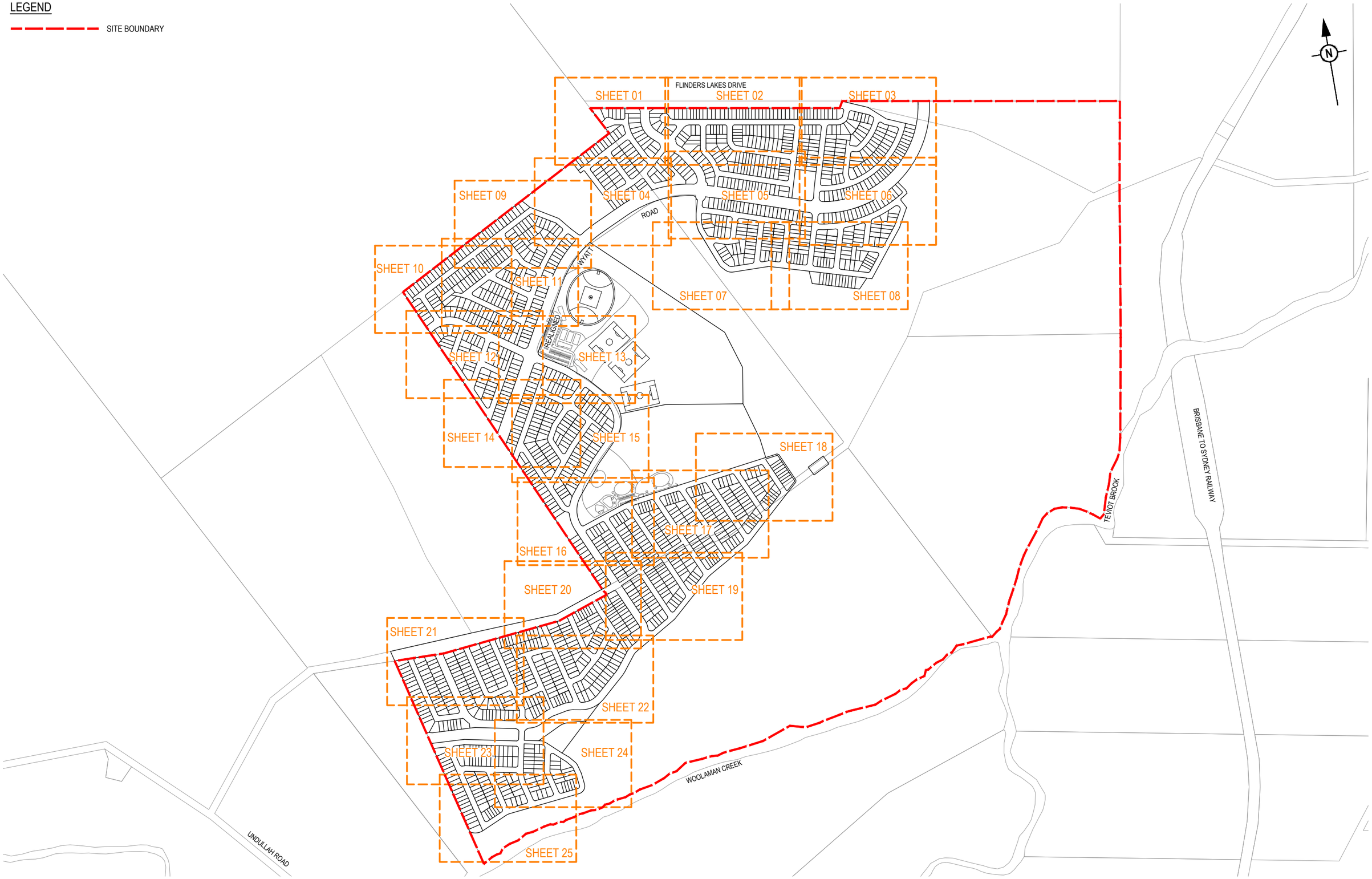
DRAWING TITLE: **CONCEPT ROAD TYPICAL SECTIONS**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1203	A

PLOT - 03 Aug 2026 03:26 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT ROAD HIERARCHY & TYP SECTIONS.dwg

LEGEND

SITE BOUNDARY



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:5000 100 50 0 100 200 A1

1:10000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **OVERALL SHEET LAYOUT PLAN ROADWORKS AND DRAINAGE**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1204	A

PLOT: 03 Aug 2026 03:28 PM LOCATION: H:\23\0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1204-OVERALL RWD PLAN.dwg

LEGEND

- SITE BOUNDARY
- PROPOSED ROAD CONTROL LINE
- PROPOSED NEW ROAD PAVEMENT
- 45.0 PROPOSED SURFACE CONTOUR
- 50.0 EXTERNAL DESIGN CONTOUR (FLINDERS LAKE DRIVE BY OTHERS)
- D PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED STORMWATER DRAINAGE SWALE
- PROPOSED CONCRETE PATH AND PRAM RAMP
- PROPOSED CONCRETE BICYCLE TRACK
- PROPOSED AREA OF FILTER MEDIA
- STATE WETLAND AREA
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- ST PROPOSED TRUNK SEWER MAIN
- S PROPOSED SEWER MAIN
- W PROPOSED WATER MAIN
- INDICATIVE DRIVEWAY LOCATION

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

ROAD 10
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 02
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 12
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

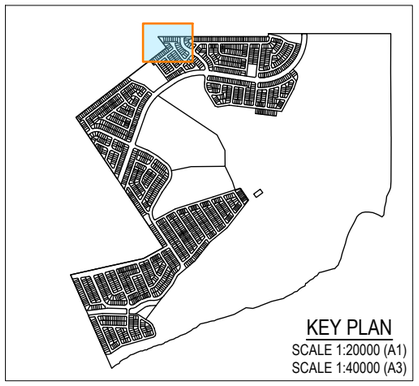
FLINDERS LAKES DRIVE

ROAD 01

ROAD 10

ROAD 02

ROAD 12



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REFER SHEET T02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000
10 5 0 10 20
A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

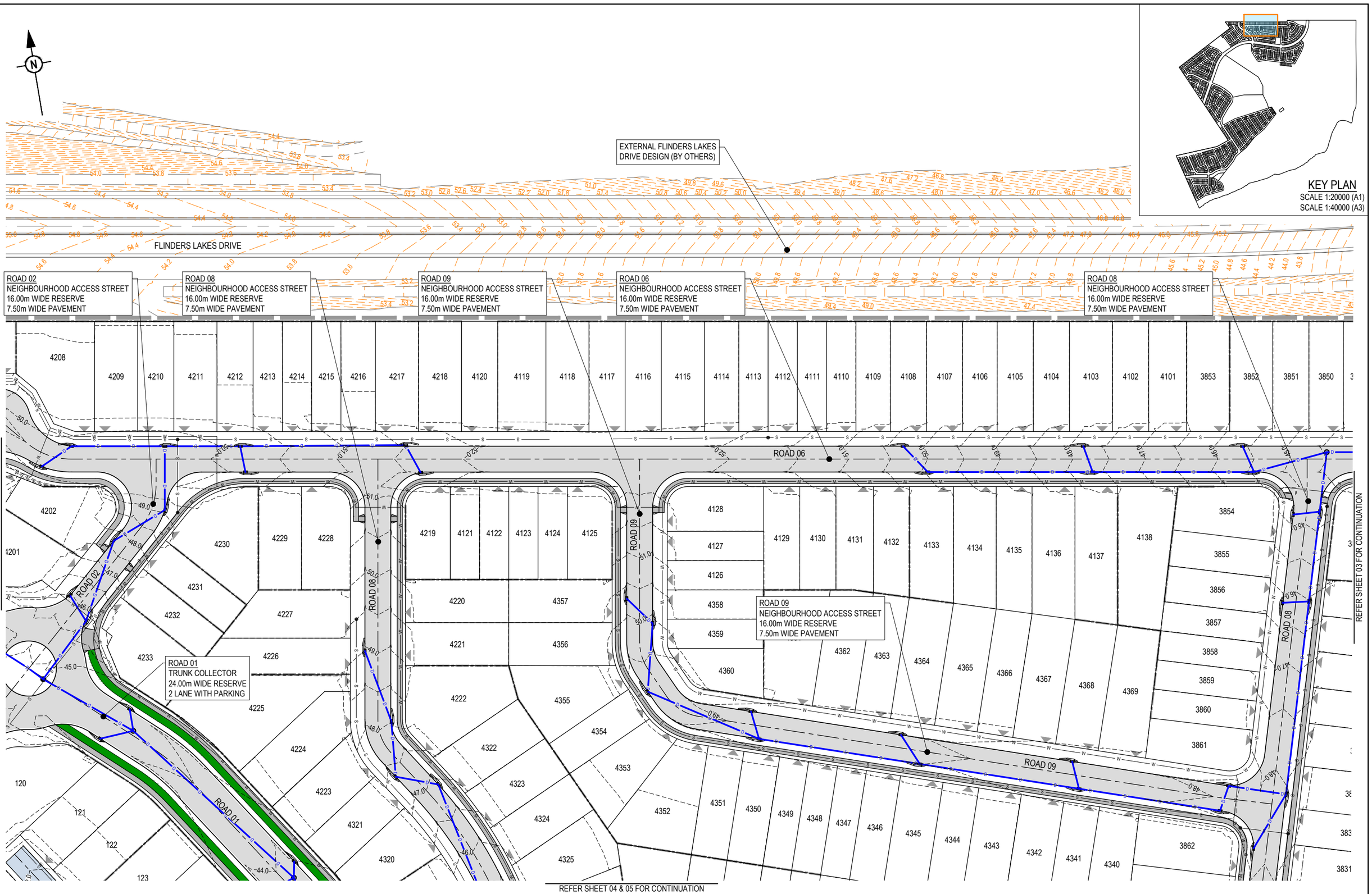
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 1 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1205	A

PLOT - 03 Aug 2026 03:30 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg



KEY PLAN

SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

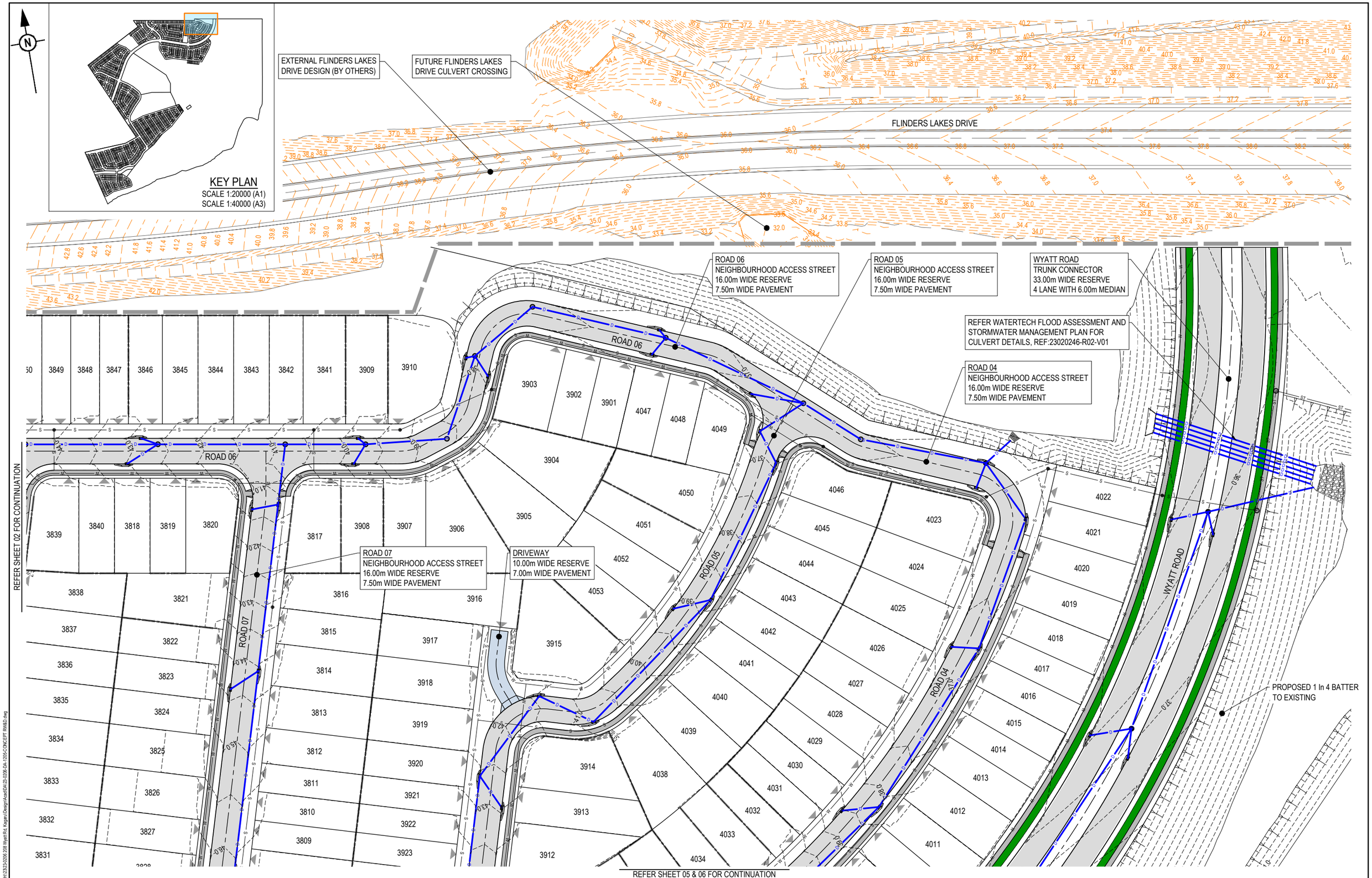
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 2 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1206	A

LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg
PLOT - 03 Aug 2026 03:30 PM



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE 1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 3 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1207	A

PLOT - 03 Aug 2026 03:30 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 4 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1208	A

PLOT - 03 Aug 2026 03:30 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Xcad\DA\23-0206-DA-1205-CONCEPT RW&D.dwg

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REFER SHEET 03 & 06 FOR CONTINUATION

REFER SHEET 07 & 08 FOR CONTINUATION

ROAD 01
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 09
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 08
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

WYATT ROAD
TRUNK CONNECTOR
33.00m WIDE RESERVE
4 LANE WITH 6.00m MEDIAN

ROAD 15
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 01
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 16
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 16
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000
10 5 0 10 20
A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 5 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1209	A

PLOT - 03 Aug 2026 03:30 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 3 FOR CONTINUATION

REFER SHEET 02 & 05 FOR CONTINUATION

ROAD 07
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 05
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

WYATT ROAD
TRUNK CONNECTOR
33.00m WIDE RESERVE
4 LANE WITH 6.00m MEDIAN

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

ROAD 01
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 07
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 13
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 14
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REFER SHEET 08 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

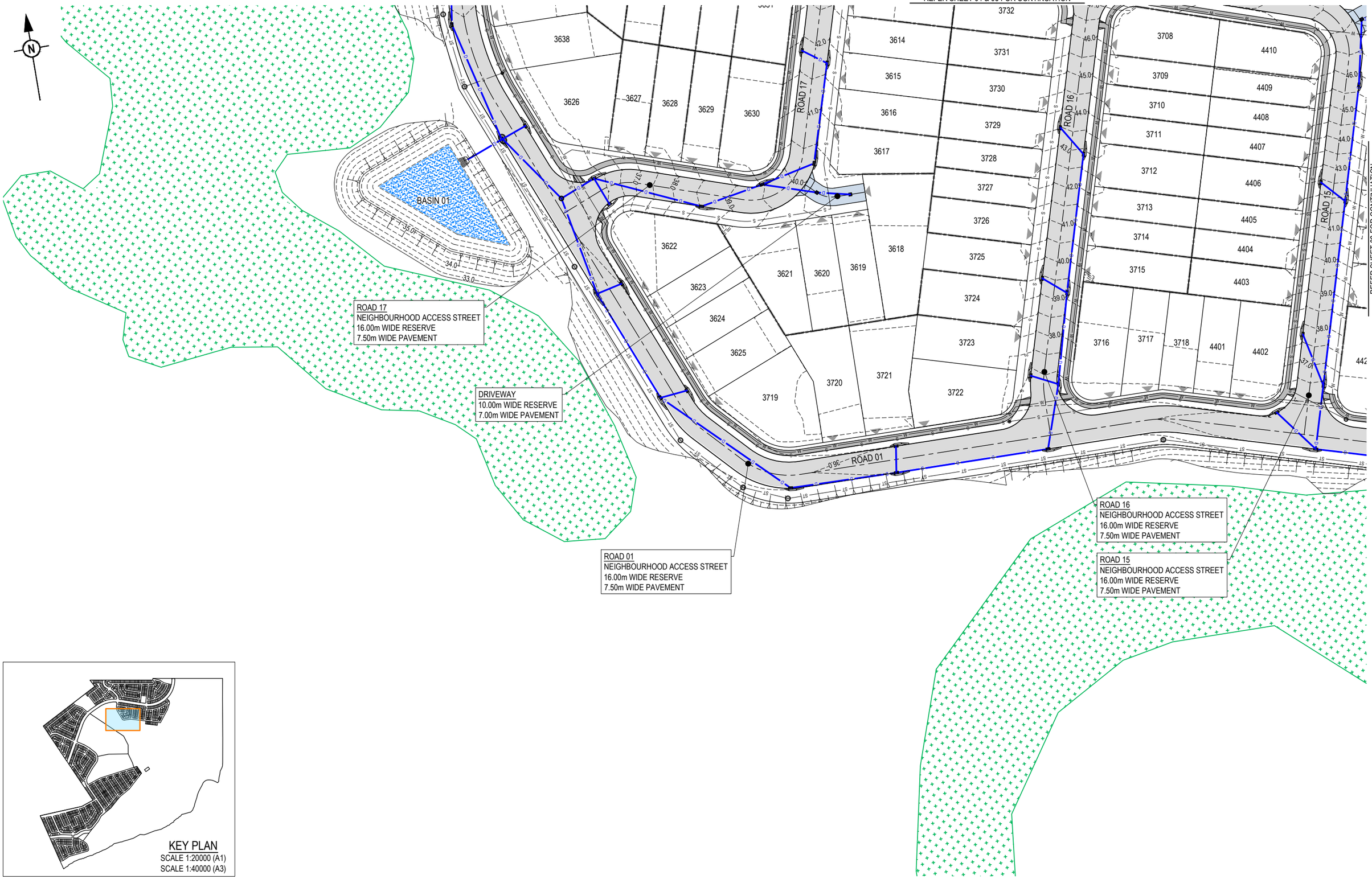
ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**
208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 6 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1210	A

PLOT - 03 Aug 2026 03:30 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU** 208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 7 OF 25**

PROJECT No. **23-0206** | DRAWING No. **DA-1211** | REVISION **A**

PLOT - 03 Aug 2026 03:31 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RW&D.dwg

REFER SHEET 05 & 06 FOR CONTINUATION

REFER SHEET 07 FOR CONTINUATION

ROAD 01
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 13
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

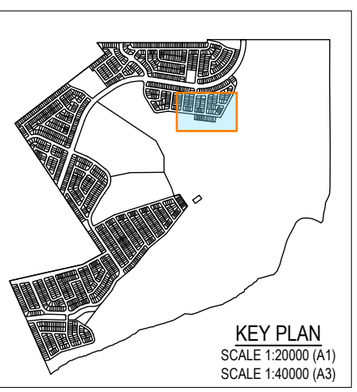
ROAD 15
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 07
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 14
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

BASIN 02

PROPOSED 1 In 4 BATTER
TO EXISTING



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

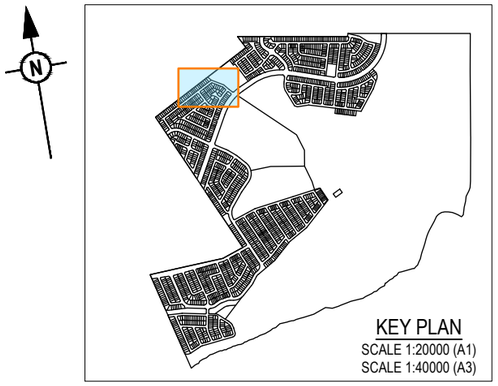
208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 8 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1212	A

PLOT - 03 Aug 2026 03:31 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 04 FOR CONTINUATION



ROAD 18
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 20
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 18
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 19
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

WYATT ROAD
TRUNK CONNECTOR
33.00m WIDE RESERVE
4 LANE WITH 6.00m MEDIAN

ROAD 21
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 19
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 9 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1213	A

PLOT: 03 Aug 2026 03:31 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 09 FOR CONTINUATION

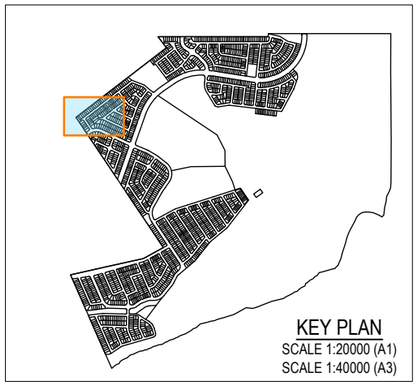
ROAD 18
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 19
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

ROAD 23
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000
10 5 0 10 20
A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 10 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1214	A

PLOT - 03 Aug 2026 03:31 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 04 & 09 FOR CONTINUATION

REFER SHEET 10 FOR CONTINUATION

ROAD 18
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 19
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 20
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 21
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 22
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

WYATT ROAD
TRUNK CONNECTOR
33.00m WIDE RESERVE
4 LANE WITH 6.00m MEDIAN

REFER SHEET 12 & 13 FOR CONTINUATION

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 11 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1215	A

PLOT - 03 Aug 2026 03:31 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWBD.dwg

REFER SHEET 10 & 11 FOR CONTINUATION

ROAD 18
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 23
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

WYATT ROAD
TRUNK CONNECTOR
33.00m WIDE RESERVE
4 LANE WITH 6.00m MEDIAN

ROAD 25
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

REFER SHEET 13 FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 12 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1216	A

PLOT: 03 Aug 2026 03:31 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

WYATT ROAD
TRUNK CONNECTOR
33.00m WIDE RESERVE
4 LANE WITH 6.00m MEDIAN

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

ROAD 24
NEIGHBOUR COLLECTOR
21.10m WIDE RESERVE
2 LANE WITH PARKING

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

ROAD 26
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

WYATT ROAD

ROAD 23

ROAD 24

ROAD 26

ROAD 27

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

N

REFER SHEET 14 & 15 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 13 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1217	A

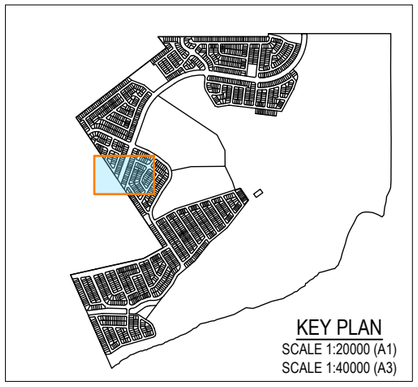
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REFER SHEET 12 & 13 FOR CONTINUATION



REFER SHEET 15 FOR CONTINUATION

REFER SHEET 15 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 14 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1218	A

PLOT: 03 Aug 2026 03:31 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 13 FOR CONTINUATION

REFER SHEET 14 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION

ROAD 24
NEIGHBOUR COLLECTOR
21.10m WIDE RESERVE
2 LANE WITH PARKING

PROPOSED 1 In 4 BATTER
TO EXISTING

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

ROAD 26
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 27
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 28
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

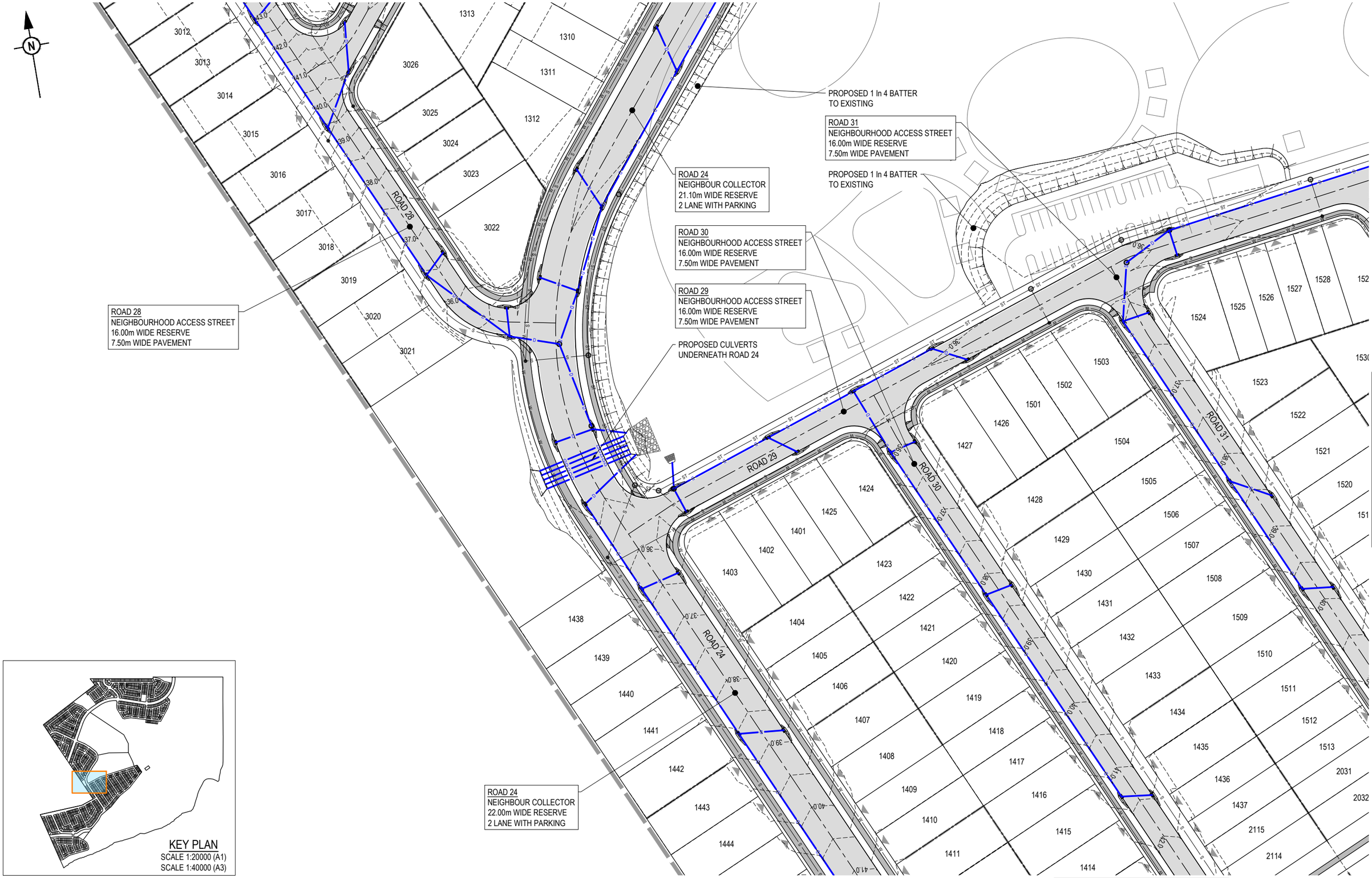
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 15 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1219	A

PLOT - 03 Aug 2026 03:31 PM LOCATION - H:\23\23-0206 208 Wyatt\Rd & Kagaru\Design\Road\DA\03-0206-DA-1205-CONCEPT RWAD.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 10 5 0 10 20 A1; 1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

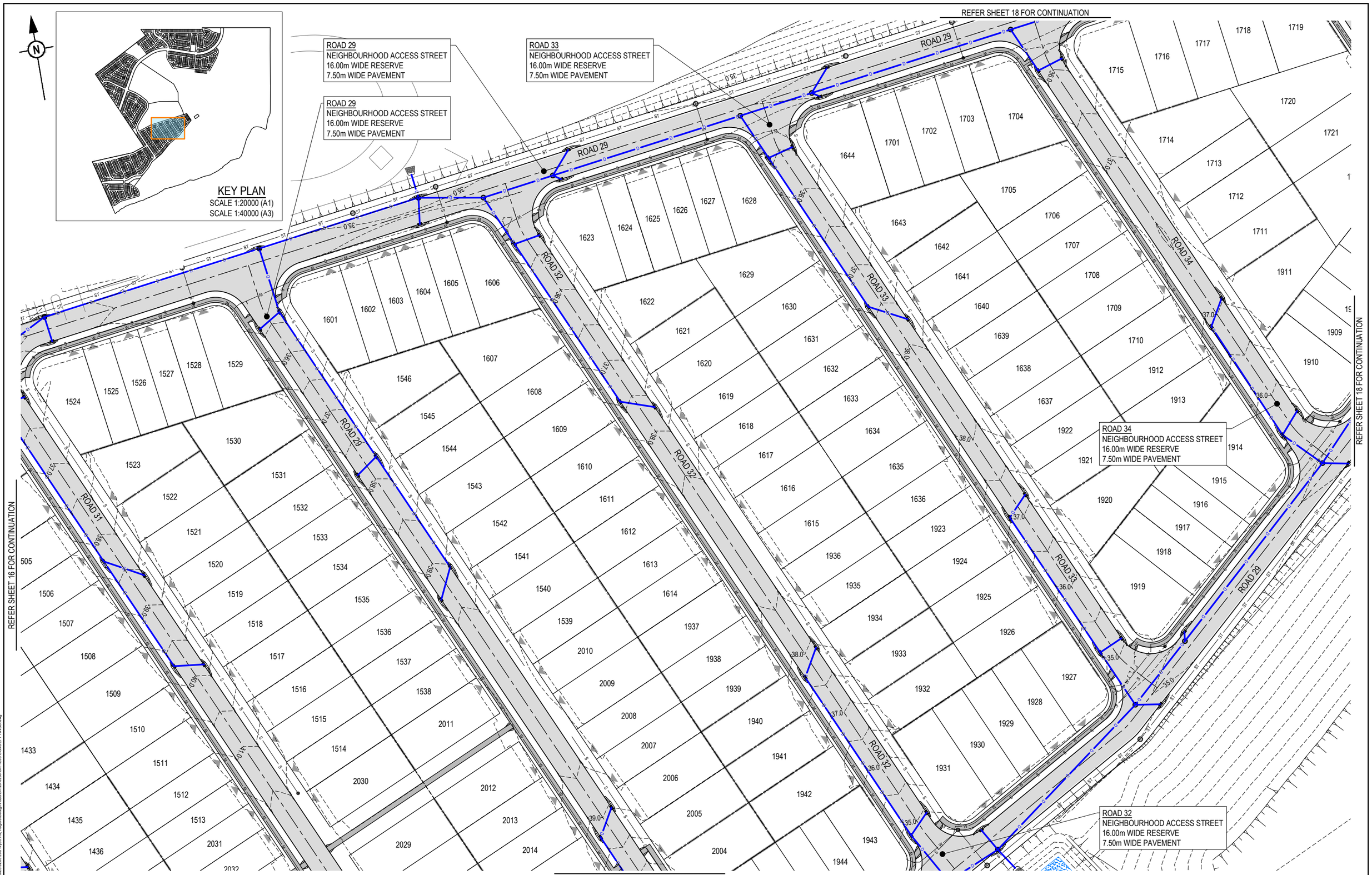
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 16 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1220	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWS0.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 17 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1221	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1205-CONCEPT RWBD.dwg

ROAD 34
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 29
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 33
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

PROPOSED PUMP
STATION LOCATION

ROAD 29
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

REFER SHEET 17 FOR CONTINUATION

REFER SHEET 17 FOR CONTINUATION

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000
10 5 0 10 20
A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 18 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1222	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 16 & 17 FOR CONTINUATION

REFER SHEET 20 FOR CONTINUATION

ROAD 24
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

ROAD 29
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 31
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 30
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

BASIN 05

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REFER SHEET 22 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

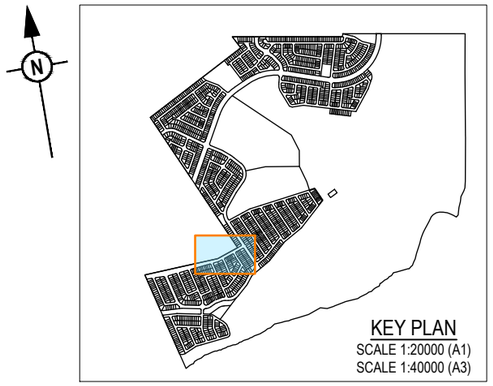
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 19 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1223	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT RWMD.dwg



REFER SHEET 16 FOR CONTINUATION

ROAD 24
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING

ROAD 38
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 37
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

REFER SHEET 19 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 22 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

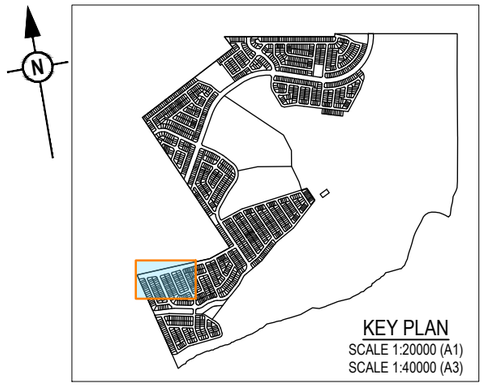
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 20 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1224	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1205-CONCEPT RWAD.dwg



ROAD 40
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 24
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING

ROAD 40
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 41
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

REFER SHEET 22 FOR CONTINUATION

REFER SHEET 23 & 24 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 21 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1225	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT RWAD.dwg

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 24 FOR CONTINUATION

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

ROAD 39
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 24
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING

ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 38
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 37
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

BASIN 03

PROPOSED 1 In 4 BATTER TO EXISTING

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 22 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1226	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWD.dwg

REFER SHEET 21 & 22 FOR CONTINUATION

ROAD 41
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER TO EXISTING

ROAD 44
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 45
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

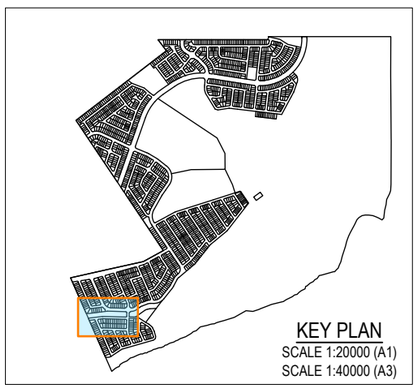
PROPOSED CULVERTS UNDERNEATH ROAD 36

ROAD 36
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 24
NEIGHBOUR COLLECTOR
22.00m WIDE RESERVE
2 LANE WITH PARKING

ROAD 56
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 42
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT



REFER SHEET 24 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 23 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1227	A

PLOT - 03 Aug 2026 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 22 FOR CONTINUATION

ROAD 24

ROAD 56
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 24
NEIGHBOUR COLLECTOR
21.10m WIDE RESERVE
2 LANE WITH PARKING

ROAD 43
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

BASIN 04

ROAD 56

ROAD 36

ROAD 44

ROAD 45

ROAD 42

2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2741 2742 2743 2744 2745 2746 2747 2748 2749 2734 2735 2736 2737 2738 2739 2740 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2829 2830 2831 2832 2841

ROAD 42
NEIGHBOURHOOD ACCESS STREET
15.10m WIDE RESERVE
7.50m WIDE PAVEMENT

INTERFACE TO EXISTING
SURFACE AT MINIMUM
GRADE OF 1%

ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 42
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

REFER SHEET 23 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000
10 5 0 10 20
A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 24 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1228	A

PLOT - 03 Aug 2026 03:23 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWKD.dwg

REFER SHEET 23 & 24 FOR CONTINUATION

REFER SHEET 24 FOR CONTINUATION

ROAD 42
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 45
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

ROAD 42
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

ROAD 42
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 25 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1229	A

PLOT - 03 Aug 2026 03:33 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RW&D.dwg

LEGEND

- SITE BOUNDARY
- CATCHMENT BOUNDARY
- PROPOSED SURFACE CONTOUR (45.0)
- EXISTING SURFACE CONTOUR (50.0)
- PROPOSED STORMWATER DRAINAGE PIPE (D)
- PROPOSED CUT-OFF SWALE

CATCHMENT AREAS

CATCHMENT	AREA (ha)
C 01	4.819
C 02	7.481
C 03	11.233
C 04	1.705
C 05	8.694
C 06	4.454
C 07	1.342
C 08	15.713
C 09	4.473
C 10	9.279
C 11	5.255
C 12	7.444
C 13	18.072
C 14	6.501
C 15	1.066

C 01

C 02

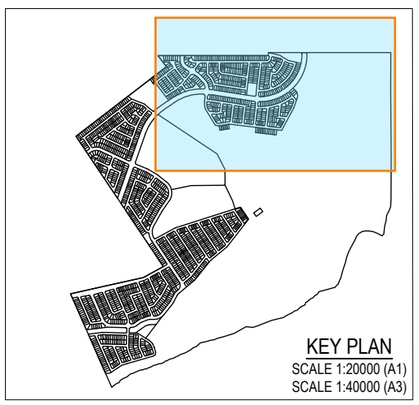
C 03

C 04

C 05

C 06

REFER SHEET 2 FOR CONTINUATION



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REFER SHEET 2 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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1:4000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

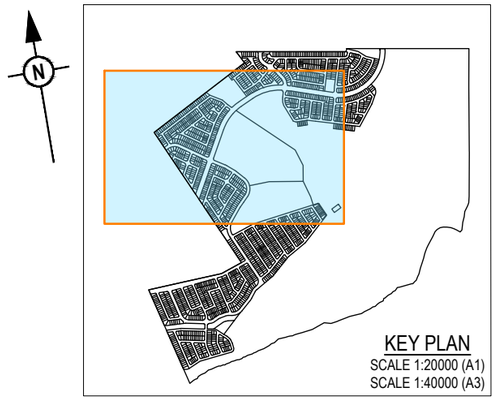
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT CATCHMENT LAYOUT PLAN SHEET 1 OF 3**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1400	A

PLOT - 03 Aug 2026 03:35 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1400-CONCEPT CATCHMENT .dwg



REFER SHEET 1 FOR CONTINUATION

C 01

C 06

C 07

C 08

C 09

C 10

REFER SHEET 1 FOR CONTINUATION

REFER SHEET 3 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

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1:4000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT CATCHMENT LAYOUT PLAN SHEET 2 OF 3**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1401	A

PLOT - 03 Aug 2026 03:35 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1400-CONCEPT CATCHMENT.dwg

REFER SHEET 2 FOR CONTINUATION

REFER SHEET 2 FOR CONTINUATION

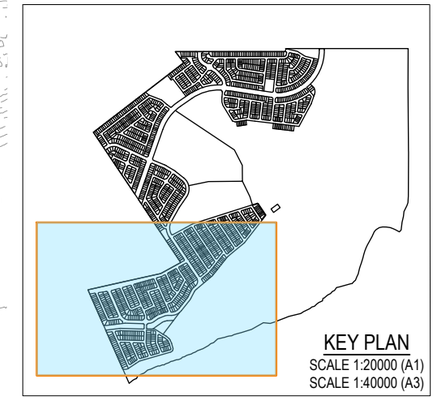
C 11

C 12

C 13

C 14

C 15



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:2000 20 0 20 40 60 80 100 A1
1:4000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

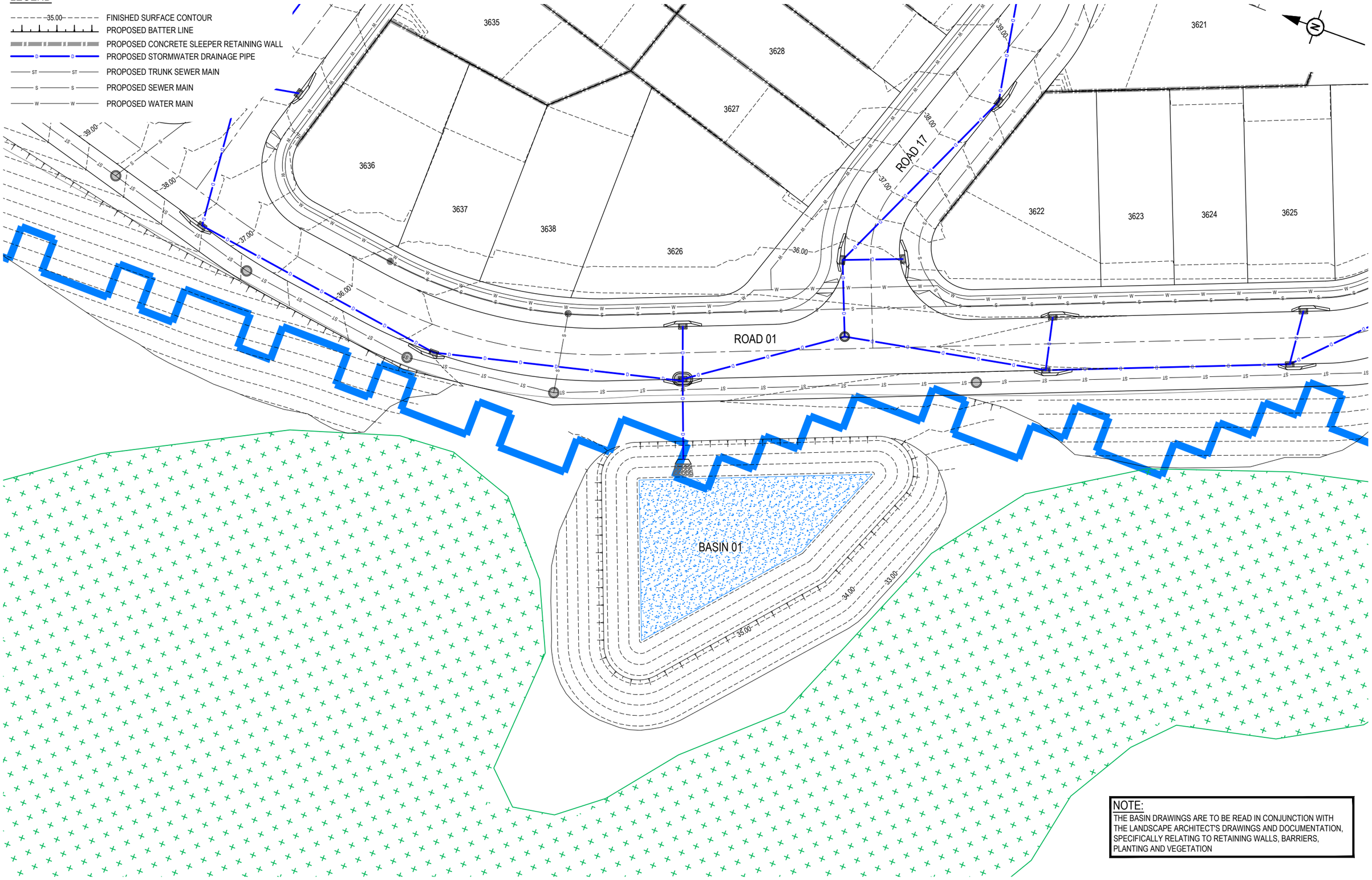
DRAWING TITLE: **CONCEPT CATCHMENT LAYOUT PLAN SHEET 3 OF 3**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1402	A

PLOT - 03 Aug 2026 03:35 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1400-CONCEPT CATCHMENT.dwg

LEGEND

- 35.00 — FINISHED SURFACE CONTOUR
- PROPOSED BATTER LINE
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED TRUNK SEWER MAIN
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN



NOTE:
THE BASIN DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE LANDSCAPE ARCHITECT'S DRAWINGS AND DOCUMENTATION, SPECIFICALLY RELATING TO RETAINING WALLS, BARRIERS, PLANTING AND VEGETATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:250 / 1:500 — 5 0 5 10 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

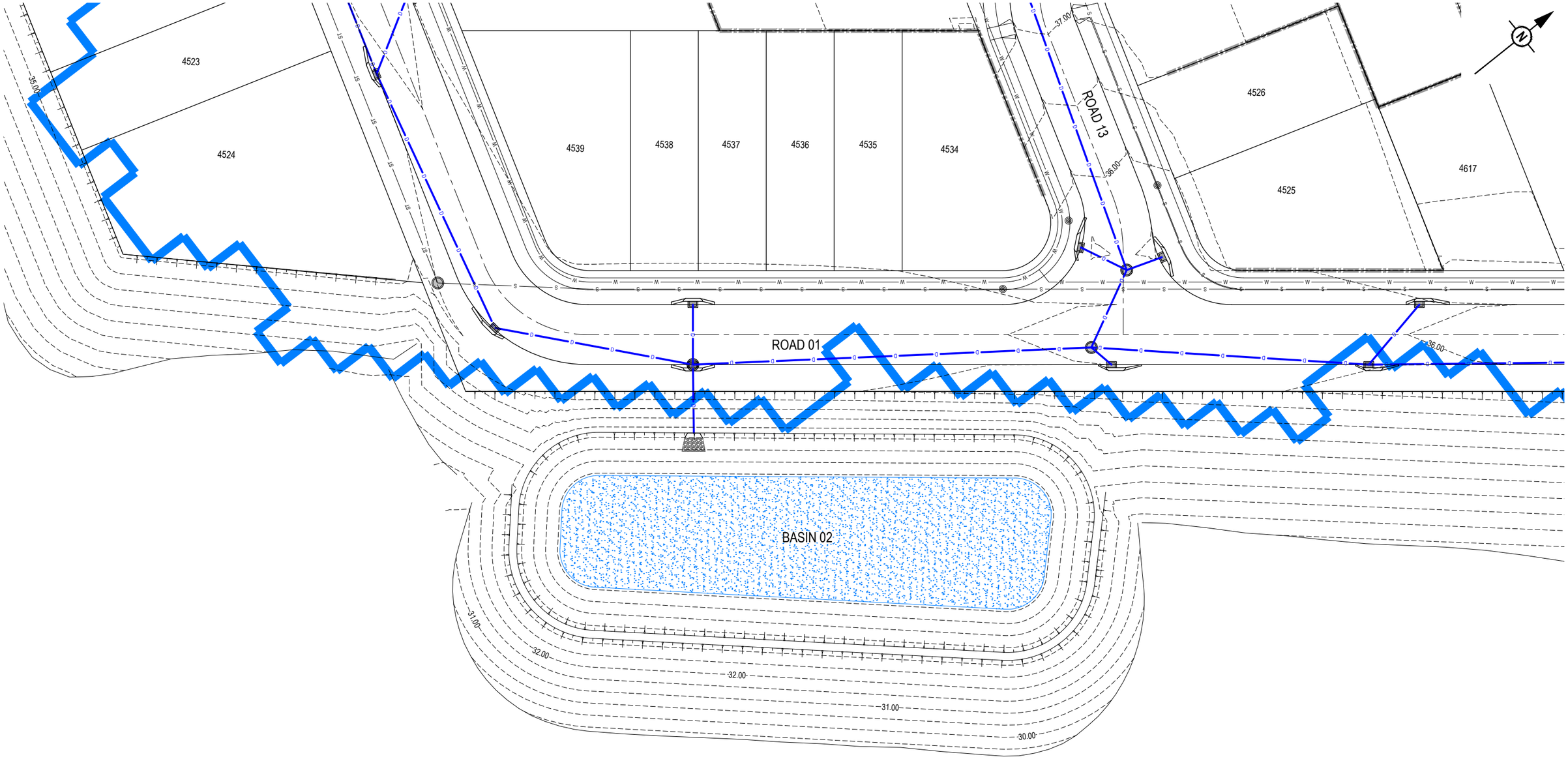
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 1 OF 4**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1410	A

PLOT - 03 Aug 2026 03:38 PM LOCATION - H:\23-23\0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1450-CONCEPT BIO-RETENTION.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

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1:500 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

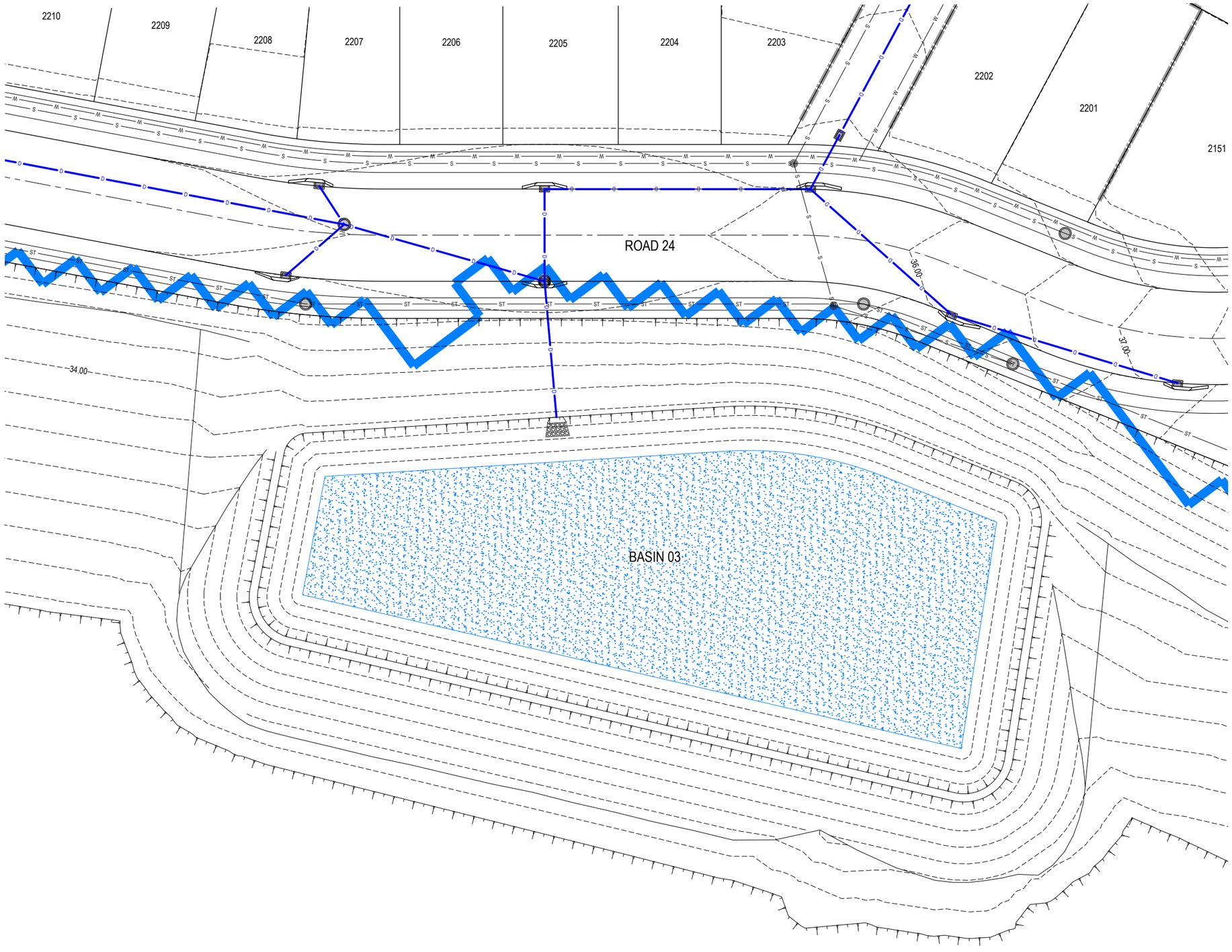
PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 2 OF 4

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1411	A

PLOT - 03 Aug 2026 03:38 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1450-CONCEPT BIO-RETENTION.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:250 5 0 5 10 A1

1:500 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

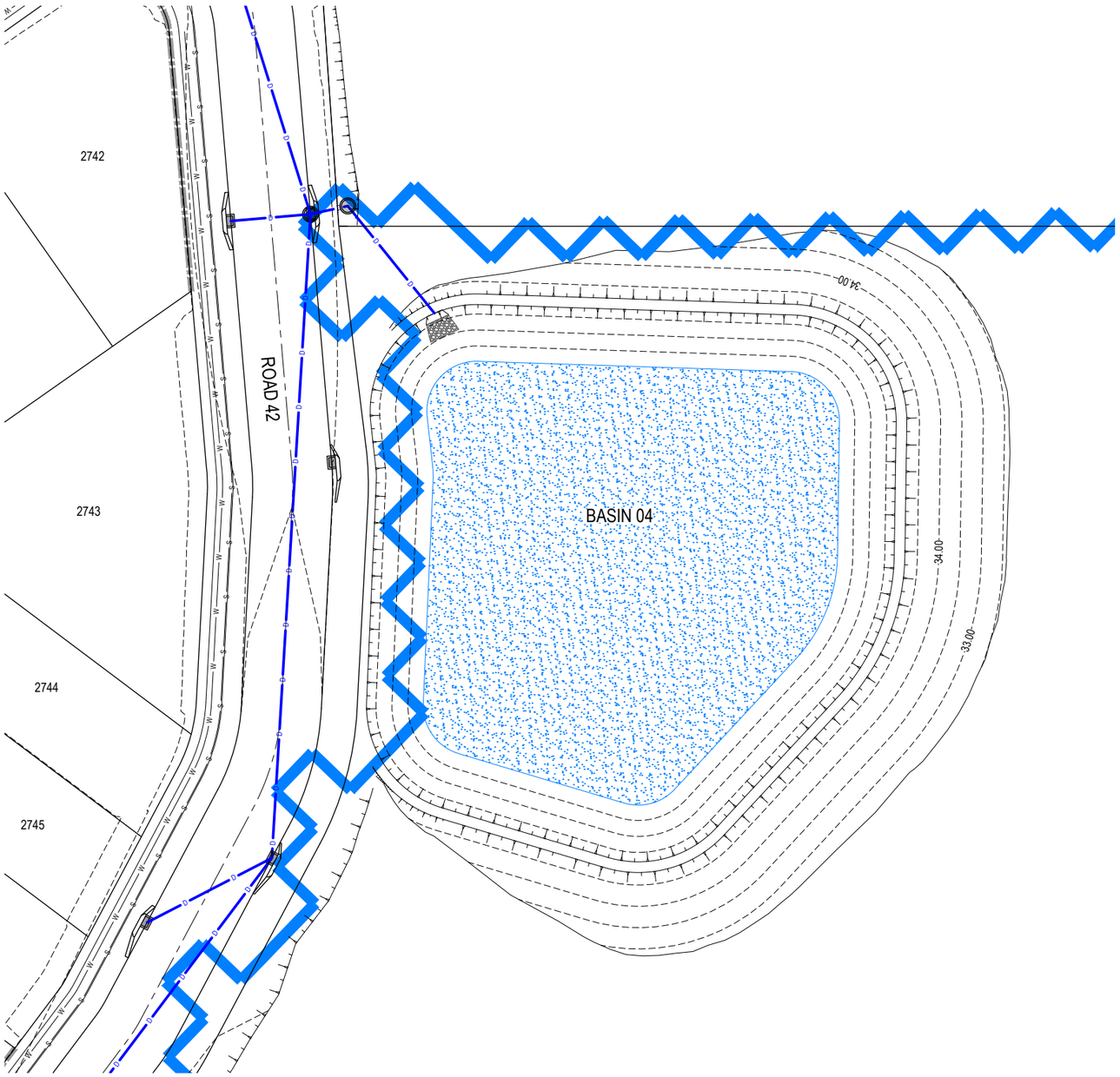
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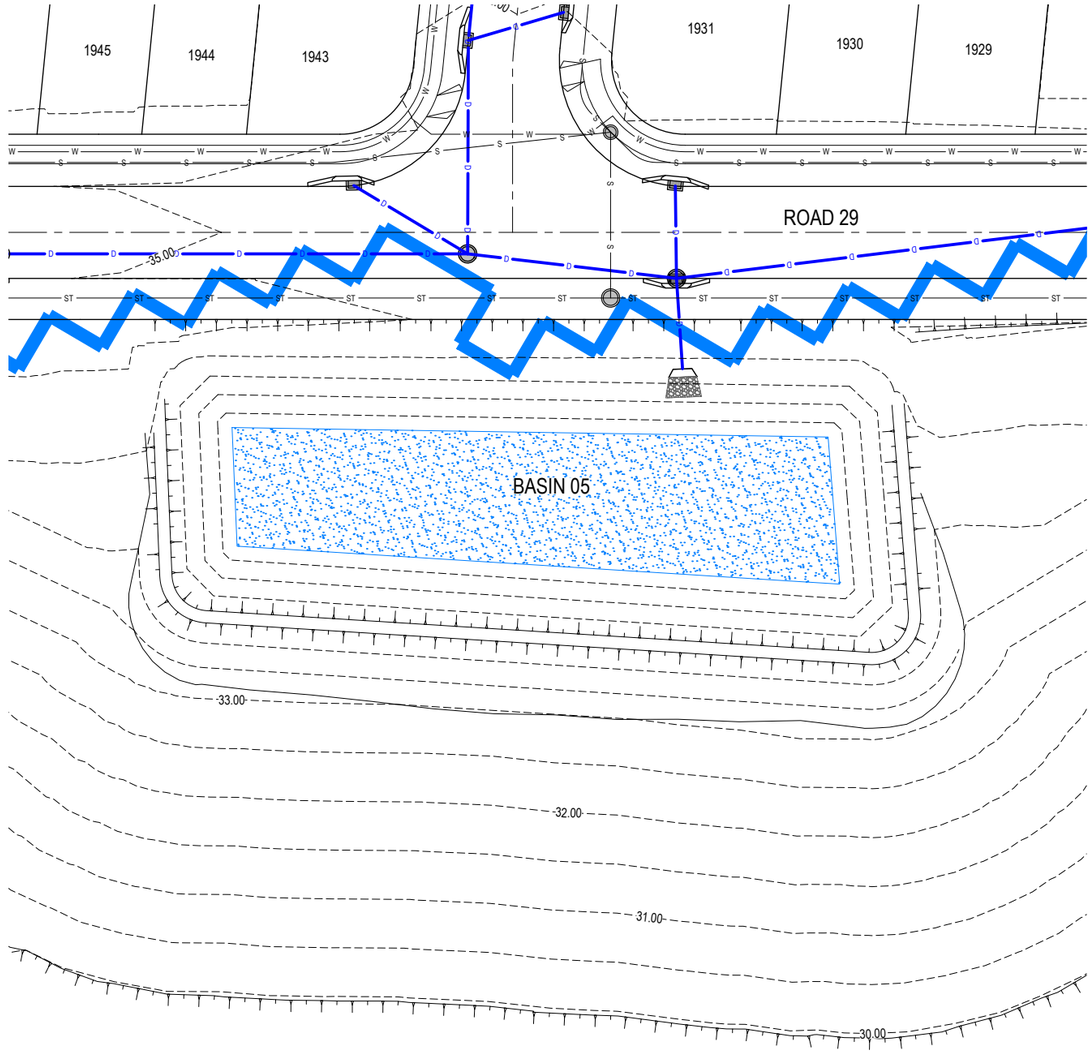
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 3 OF 4**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1412	A

PLOT - 03 Aug 2026 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1450-CONCEPT BIO-RETENTION.dwg





PLOT - 03 Aug 2026 03:38 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1450-CONCEPT BIO-RETENTION.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:250 5 0 5 10 A1

1:500 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 4 OF 4**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1413	A

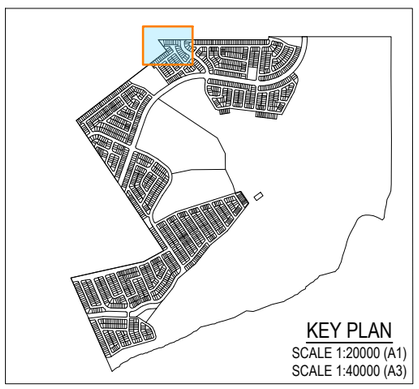
LEGEND

- SITE BOUNDARY
- PROPOSED SEWER MAIN
- PROPOSED TRUNK SEWER MAIN ALIGNMENT 1
- PROPOSED TRUNK SEWER MAIN ALIGNMENT 2
- PROPOSED TRUNK SEWER MAIN ALIGNMENT 3
- PROPOSED WATER MAIN
- PROPOSED SURFACE CONTOUR
- EXTERNAL DESIGN CONTOUR (FLINDERS LAKE DRIVE BY OTHERS)
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED CONCRETE SLEEPER RETAINING WALL
- 5% AEP EXTENT
- STATE WETLAND AREA
- INDICATIVE DRIVEWAY LOCATION

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

ROAD 01 ROAD 02 ROAD 10 ROAD 12



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

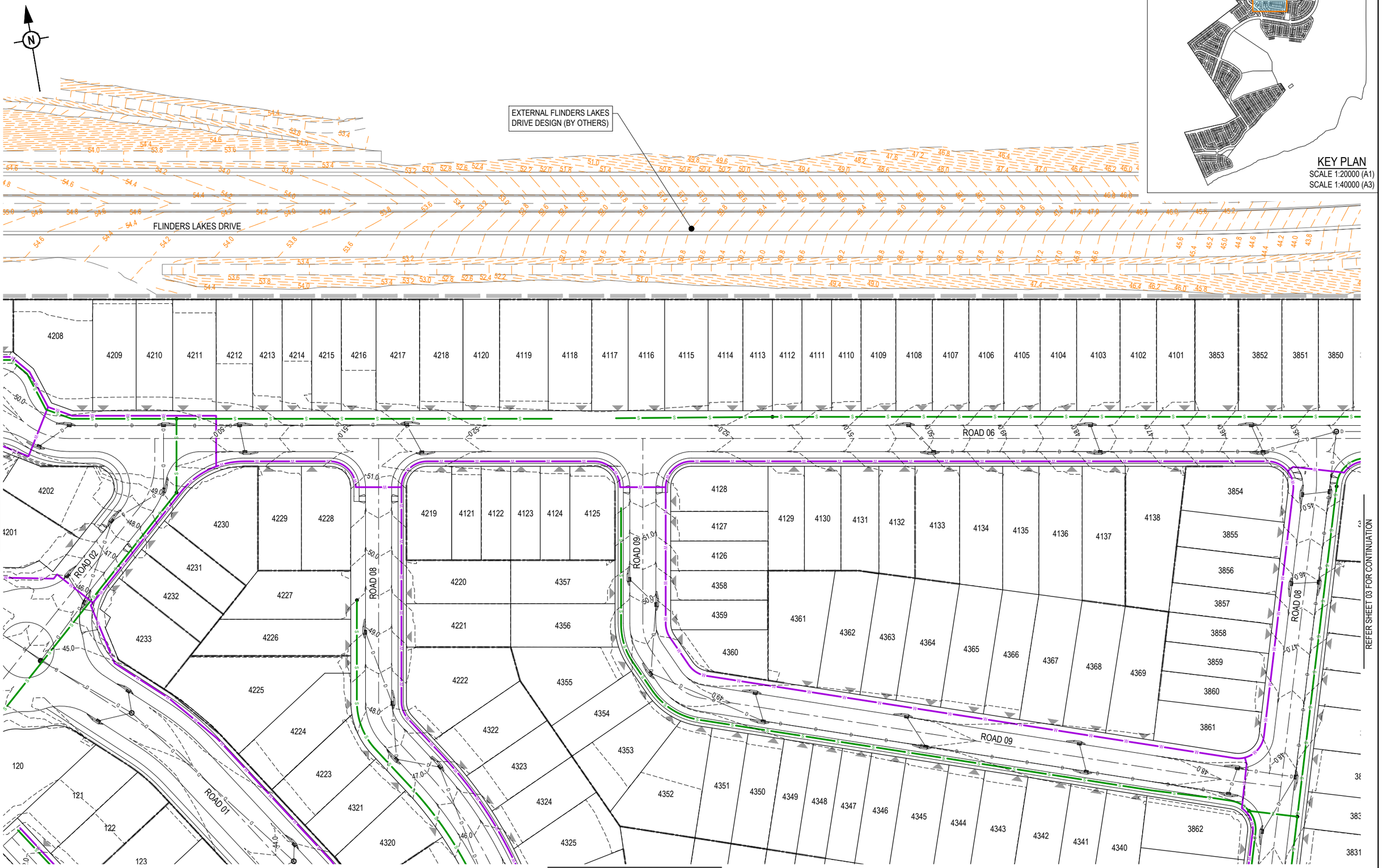
PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 1 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1500	A

PLOT - 03 Aug 2026 03:40 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWER&WAT.dwg



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

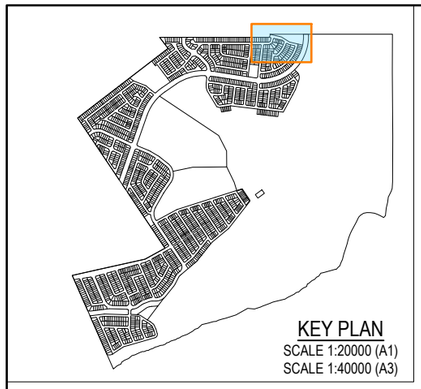
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 2 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1501	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg



EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

PROPOSED WATER CONNECTION POINT

WYATT ROAD

ROAD 06

ROAD 07

ROAD 05

ROAD 04

4/TS2

5/TS2

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 05 & 06 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

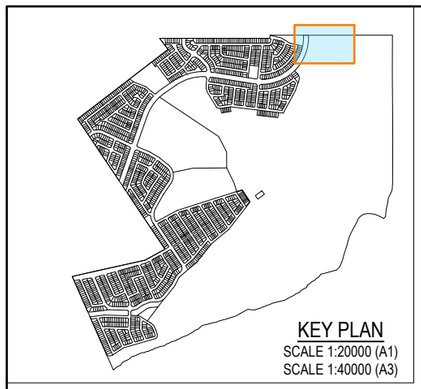
PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 3 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1502	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1502-CONCEPT SEW&WAT.dwg



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

PROPOSED WATER CONNECTION POINT

WYATT ROAD

1/TS2

2/TS2

3/TS2

4/TS2

5/TS2

4022

4021

4020

4019

4018

4017

4016

4015

4014

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 05 & 06 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 4 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1503	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg

REFER SHEET 01 FOR CONTINUATION

REFER SHEET 05 FOR CONTINUATION

REFER SHEET 09 FOR CONTINUATION

REFER SHEET 09 & 11 FOR CONTINUATION

ROAD 02

ROAD 11

ROAD 12

ROAD 18

ROAD 19

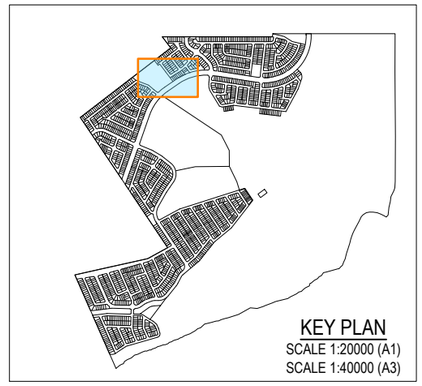
ROAD 20

WYATT ROAD

32/TS1

33/TS1

34/TS1



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 5 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1504	A

PLOT: 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REFER SHEET 03 & 06 FOR CONTINUATION

REFER SHEET 07 & 08 FOR CONTINUATION

ROAD 01

ROAD 08

ROAD 09

ROAD 15

ROAD 16

ROAD 17

WYATT ROAD

35/TS1

36/TS1

37/TS1

38/TS1

39/TS1

40/TS1

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS
FOR APPROVAL

APPROVED
DANIEL COLLINS RPEQ 18631
DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT
WEL.CO

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME
KAGARU

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 6 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1505	A

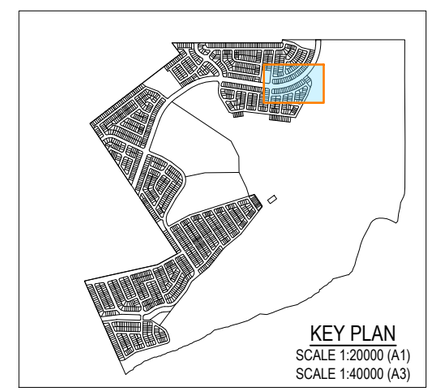
PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\02-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

REFER SHEET 3 FOR CONTINUATION

REFER SHEET 02 & 05 FOR CONTINUATION

REFER SHEET 08 FOR CONTINUATION

ROAD 04
ROAD 07
WYATT ROAD
ROAD 13
ROAD 14
ROAD 01



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

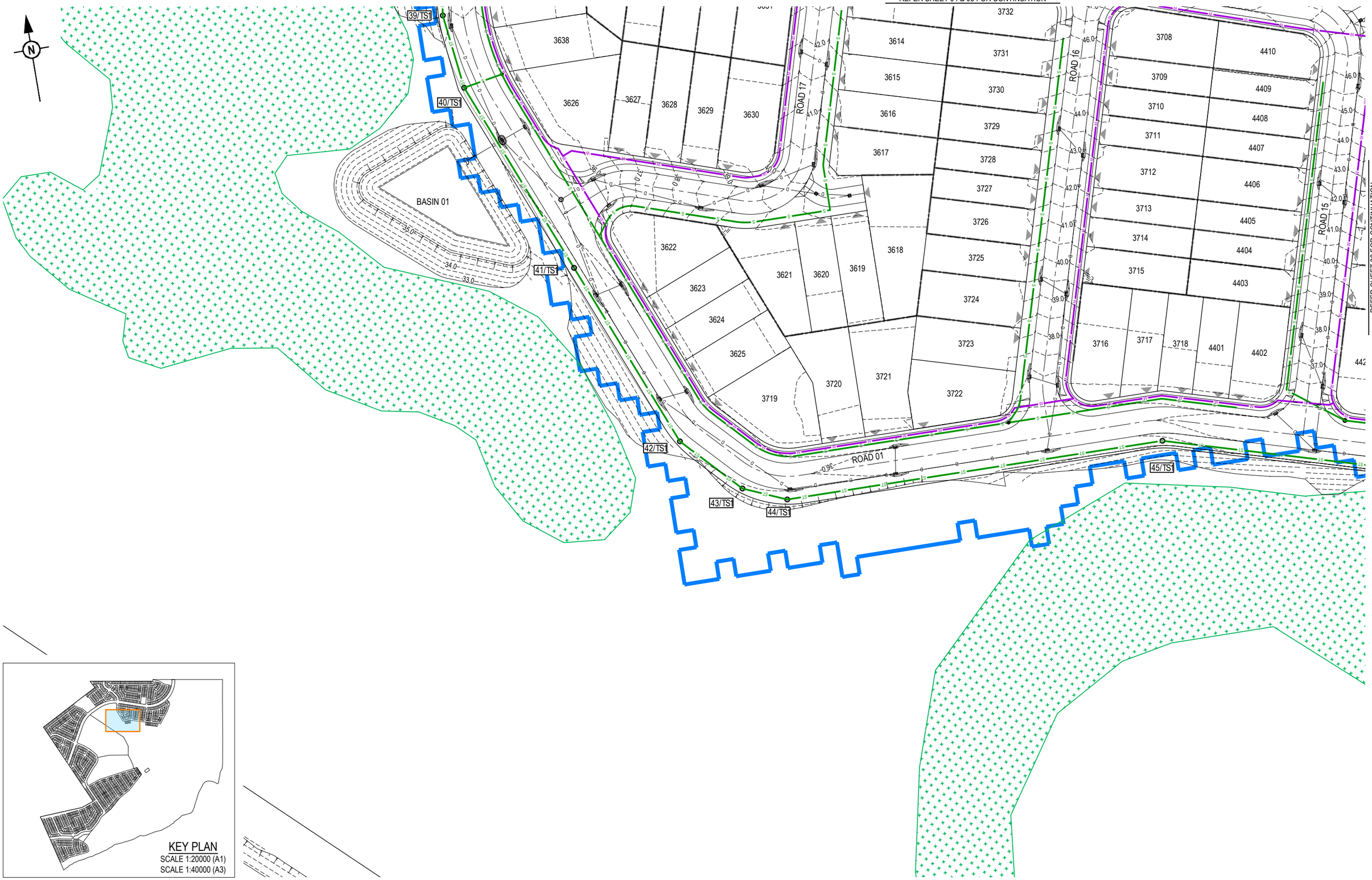
PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 7 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1506	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\0206 208 Wyatt Rd, Kagaru\Design\Assef\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU** 208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 8 OF 26**

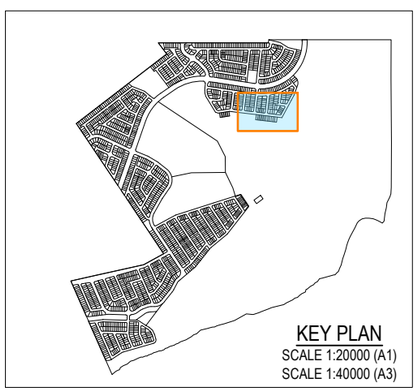
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1507	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg

REFER SHEET 05 & 06 FOR CONTINUATION

REFER SHEET 07 FOR CONTINUATION

ROAD 01
ROAD 07
ROAD 13
ROAD 14
ROAD 15
BASIN 02
46/TS1
47/TS1
48/TS1



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

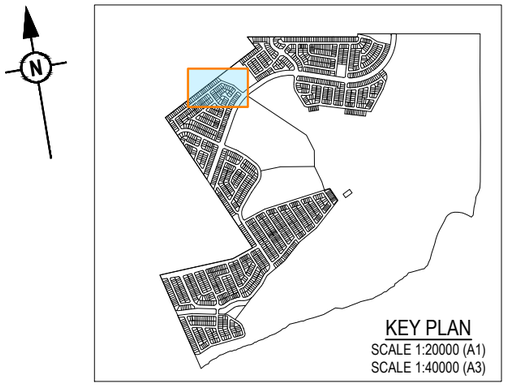
PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 9 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1508	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\02-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRWAT.dwg



REFER SHEET 04 FOR CONTINUATION

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 10 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1509	A

PLOT: 03 Aug 2026 03:41 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT .dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 11 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1510	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206\28 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWKWAT.dwg

REFER SHEET 04 & 09 FOR CONTINUATION

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 12 & 13 FOR CONTINUATION

ROAD 18
ROAD 19
ROAD 20
ROAD 21
ROAD 22
ROAD 23
WYATT ROAD

30/TS1
28/TS1

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 12 OF 25

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1511	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 13 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1512	A

PLOT - 03 Aug 2026 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1-1500-CONCEPT SEW&WAT.dwg

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION

WYATT ROAD

ROAD 23

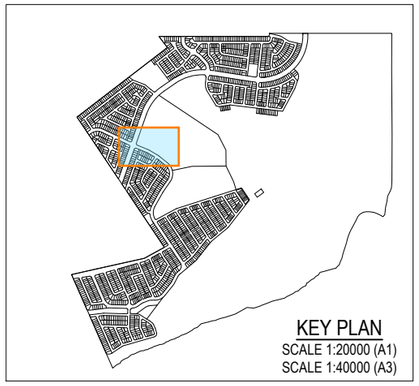
ROAD 24

ROAD 26

ROAD 27

28/TS1
27/TS1
26/TS1
25/TS1
24/TS1
23/TS1
22/ TS1
21/TS1
20/TS1

PROPOSED SPORTS RECREATION AREA BY OTHERS



KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

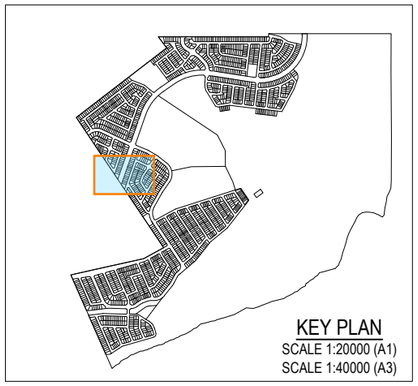
208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 14 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1513	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Assets\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg





REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 15 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1514	A

PLOT: 03 Aug 2026 03:42 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\22-0206-DA-1500-CONCEPT SEWAWAT .dwg

REFER SHEET 13 FOR CONTINUATION

REFER SHEET 14 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION

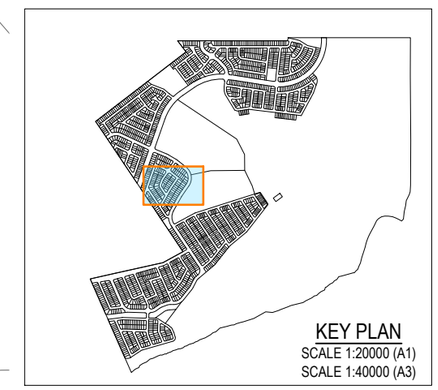
ROAD 27

ROAD 24

20/TS1

19/TS1

18/TS1



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 16 OF 26**

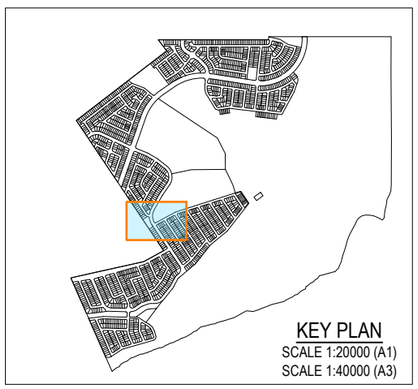
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1515	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWER&WAT .dwg

REFER SHEET 15 FOR CONTINUATION

REFER SHEET 17 FOR CONTINUATION

REFER SHEET 19 & 20 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 17 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1516	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRWAT .dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 18 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1517	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1500-CONCEPT SEWAWT.dwg

N

ROAD 29
ROAD 34
ROAD 33

1/TS1
2/TS1
3/TS1
4/TS1
5/TS1
6/TS1
7/TS1
8/TS1
1/TS3
2/TS3
3/TS3

PROPOSED PUMP STATION LOCATION

CONNECTION TO PROPOSED PUMP STATION AT IL 24.67

1644 1701 1702 1703 1704 1705 1706 1707 1708 1709 1710 1712 1713 1714 1715 1716 1717 1718 1719 1720 1721 1722 1728 1727 1726 1725 1724 1723 1901 1902 1903 1904 1905 1906 1907 1908 1909 1910 1911 1912 1913 1914 1915 1916 1920 1921 1922 1625 1626 1627 1628 1629 1630 1631 1632 1633 1634 1635 1636 1637 1638 1639 1640 1641 1642 1643 622

REFER SHEET 17 FOR CONTINUATION

REFER SHEET 17 FOR CONTINUATION

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 19 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1518	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWBWAT.dwg

REFER SHEET 16 & 17 FOR CONTINUATION

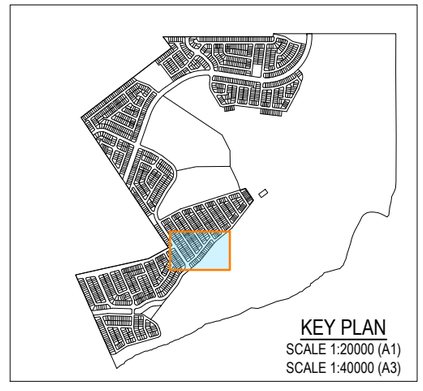
REFER SHEET 20 FOR CONTINUATION

REFER SHEET 22 FOR CONTINUATION

ROAD 30 ROAD 31 ROAD 29 ROAD 24 ROAD 37

BASIN 05

5/TS3 6/TS3 7/TS3 8/TS3 9/TS3



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE 1:500 1:1000 10 5 0 10 20 A1 A3

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

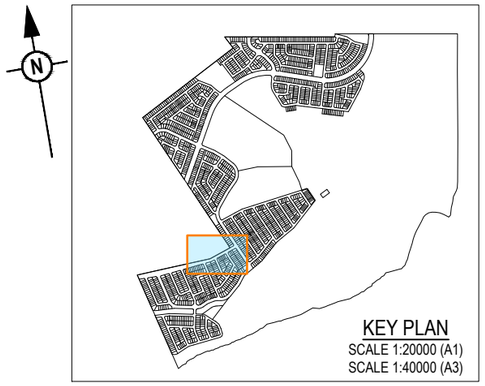
PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 20 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1519	A

PLOT: 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg



REFER SHEET 16 FOR CONTINUATION

REFER SHEET 19 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 22 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

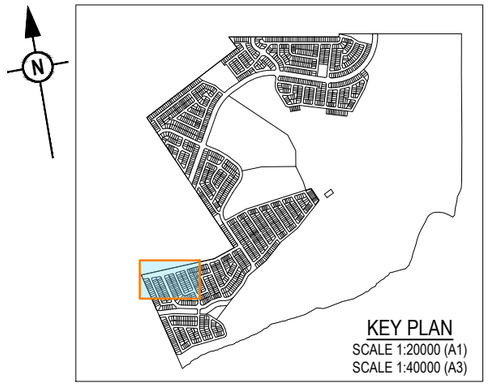
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 21 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1520	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWKWAT.dwg



ROAD 40
ROAD 41
ROAD 24
ROAD 36
ROAD 40

REFER SHEET 22 FOR CONTINUATION

REFER SHEET 23 & 24 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 22 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1521	A

PLOT - 03 Aug 2026 03:42 PM - LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1500-CONCEPT SEWER&WAT.dwg

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 24 FOR CONTINUATION

ROAD 39

ROAD 38

ROAD 37

ROAD 36

ROAD 24

BASIN 03

10/TS

11/TS3

12/TS3

13/TS3

14TS3

15/TS3

16/TS3

17/TS3

18/TS3

19/TS3

KEY PLAN
SCALE 1:20000 (A1)
SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:500 10 5 0 10 20 A1
1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 23 OF 26

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1522	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Assets\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 24 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1523	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

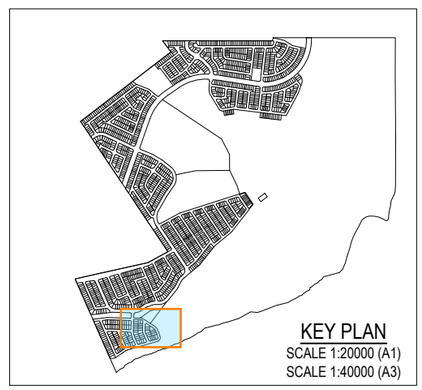
REFER SHEET 22 FOR CONTINUATION

REFER SHEET 23 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION

ROAD 24
ROAD 56
ROAD 36
ROAD 43
ROAD 44
ROAD 45
ROAD 42
20/TS3
21/TS3
22/TS3
23/TS3
24/TS3
BASIN 04

2721 2722 2723 2720 2724 2719 2725 2718 2726 2717 2727 2716 2728 2715 2729 2714 2730 2713 2731 2712 2732 2711 2733 2710 2709 2708 2707 2706 2705 2704 2703 2702 2701 2742 2741 2740 2739 2738 2737 2736 2735 2734 2749 2748 2747 2746 2745 2744 2743 2829 2830 2831 2832 2813 2812 2811 2810 2809 2808 2807 2806 2805 2804 2803 2802 2801 2841



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE: 1:500 / 1:1000 — 10 5 0 10 20 — A1 / A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD, 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 25 OF 26**

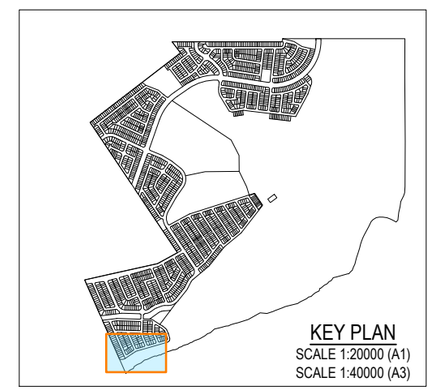
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1524	A

LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT.dwg

PLOT - 03 Aug 2026 03:42 PM

REFER SHEET 23 & 24 FOR CONTINUATION

REFER SHEET 24 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE

1:500 10 5 0 10 20 A1

1:1000 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT: SAUNDERS HAVILL GROUP PTY LTD 1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 26 OF 26**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1525	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

STRUCTURE NAME	1/TS1	2/TS1	3/TS1	4/TS1	5/TS1	6/TS1	7/TS1	8/TS1	9/TS1	10/TS1	11/TS1	12/TS1	13/TS1
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V
STRUCTURE LID TYPE													
JUNCT. LINE No.		74° TS3 -70°	-37°	-37°								-11°	
JUNCT. DROP TYPES													

STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

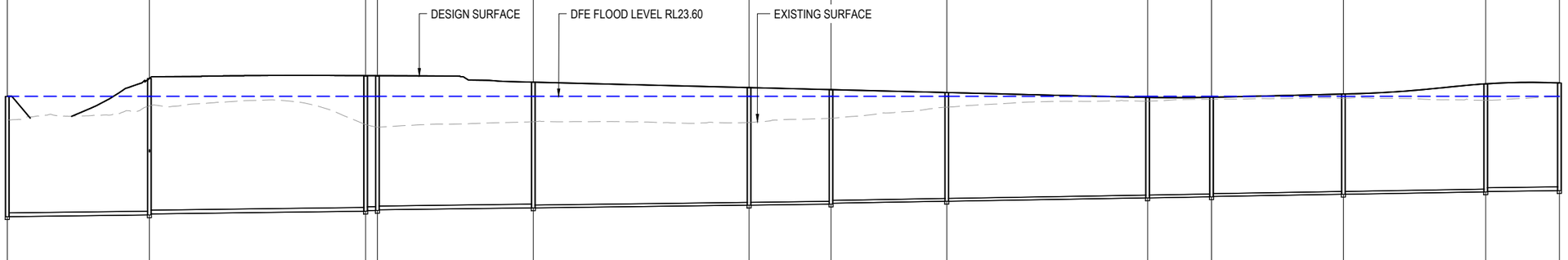
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

 # EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



| | | | | | | | | | | | | |

STRUCTURE NAME	13/TS1	14/TS1	15/TS1	16/TS1	17/TS1	18/TS1	19/TS1	20/TS1	21/TS1	22/TS1
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	R81.75 H C2 V	C2 V	C2 V	R-89.25 H C2 V	C2 V	C2 V
STRUCTURE LID TYPE			R81.75 H						R-89.25 H	
JUNCT. LINE No.		41°	44°		2°	5°				
JUNCT. DROP TYPES										

STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

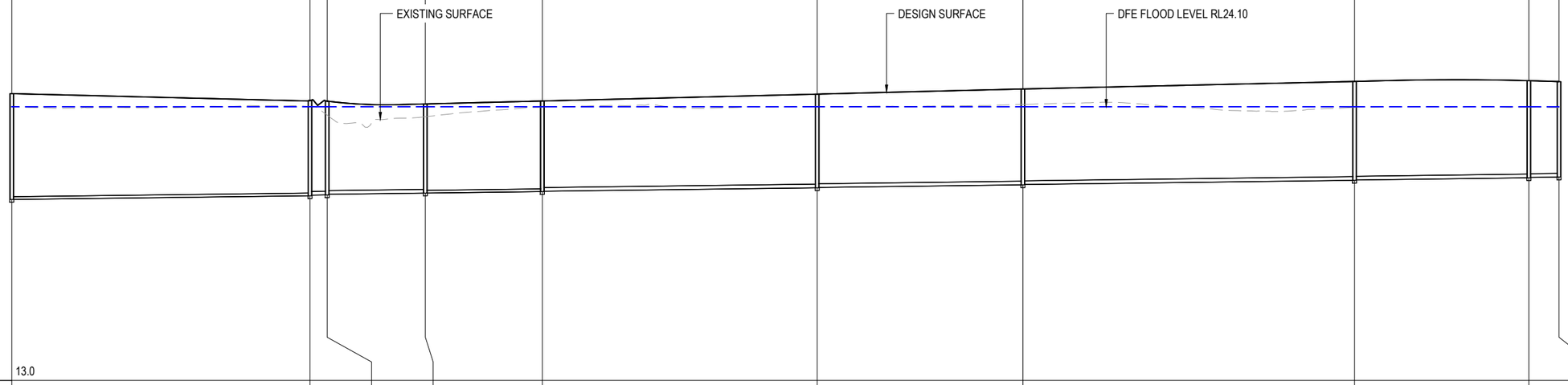
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

 # EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



		13/TS1	14/TS1	15/TS1	16/TS1	17/TS1	18/TS1	19/TS1	20/TS1	21/TS1	22/TS1
DATUM RL(m)		13.0									
LAND USE		ROAD RESERVE	ROAD RESERVE		ROAD RESERVE	ROAD RESERVE	ROAD RESERVE	ROAD RESERVE	ROAD RESERVE	ROAD RESERVE	
PIPE DIA & TYPE		DN300 uPVC SN8	DN300 UPVC SN8		DN300 uPVC SN8	DN300 UPVC SN8	DN300 UPVC SN8	DN300 UPVC SN8	DN300 UPVC SN8	DN300 UPVC SN8	
PIPE GRADE (1 in x)		1 IN 408	1 IN 299	1 IN 411	1 IN 400	1 IN 400	1 IN 400	1 IN 400	1 IN 400	1 IN 400	
EMBEDMENT											
JUNCTION INVERT LEVEL											
DEPTH TO INVERT	8.588	8.588	7.686	7.607	7.557	7.232	7.232	7.350	7.320	7.598	7.568
	7.782	7.752	8.025	7.995	7.878	7.848	7.745				
SEWER INVERT LEVEL	27.681	27.681	28.028	28.051	28.101	28.198	28.198	28.317	28.347	28.626	28.656
	28.865	28.895	29.231	29.261	29.438	29.468	29.499				
DESIGN SURFACE LEVEL	36.269		35.714		35.658	35.430		35.667	36.224		36.646
	37.256		37.316		37.244						
EXISTING SURFACE LEVEL	35.174		35.243		34.529	34.394		35.161	35.232		35.392
	35.155		35.160		35.137						
SETOUT	E490924.759	N6920103.067	E490810.574	N6920062.928	E490804.091	N6920065.534	E490796.840	N6920104.300	E490812.672	N6920148.361	E490881.989
	N6920235.773	E490939.788	N6920296.033	E490941.065	N6920418.234	E490893.162	N6920470.314	E490884.298	N6920478.716		
RUNNING CHAINAGE	-409.277	121.034	-288.243	6.988	-281.256	39.831	-241.425	47.484	-193.941	111.561	-82.380
	83.498	1.118	134.608	135.726	70.760	206.486	12.224	218.710			
LINE NUMBER	LINE TS1										

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
1:1000 10 0 10 20 30 40 50 A1
1:2000 A3
HORIZONTAL
1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **TRUNK SEWER LONGITUDINAL SECTION SHEET 2 OF 8**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1531	A

PLOT - 03 Aug 2026 03:42 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg

STRUCTURE NAME	22/TS1	23/TS1	24/TS1	25/TS1	26/TS1	27/TS1	28/TS1	29/TS1	30/TS1	31/TS1	32/TS1	33/TS1
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	R310.25 H C2 V	R310.25 H C2 V	C2 V
STRUCTURE LID TYPE		R-89.25 H			R12.00 H							
JUNCT. LINE No.												
JUNCT. DROP TYPES												

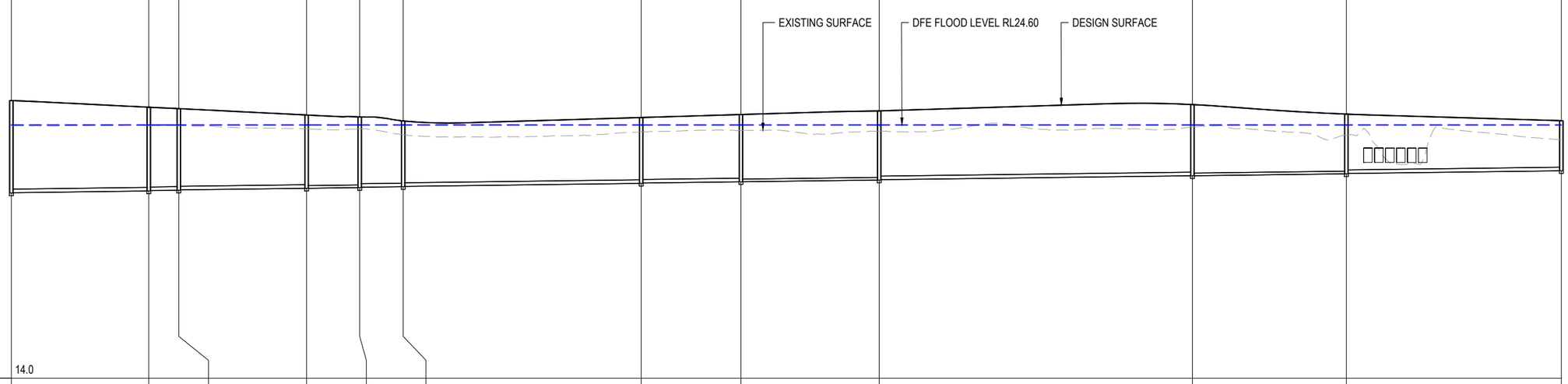
STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052
MH DROP TYPES:
AS PER LW-SEW-DWG-2120
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP
LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



| | | | | | | | | | | | |

STRUCTURE NAME	33/TS1	34/TS1	35/TS1	36/TS1	37/TS1	38/TS1	39/TS1	40/TS1	41/TS1	42/TS1	43/TS1	44/TS1	45/TS1	46/TS1
STRUCTURE TYPE & DROP	C2 V	R310.25 H C2 V	R310.25 H C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	R-19.25 H C2 V	C2 V
STRUCTURE LID TYPE														
JUNCT. LINE No.			48°	44°		-8°	-15°	-15°		-22°	-23°	-23°	16°	
JUNCT. DROP TYPES														

STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

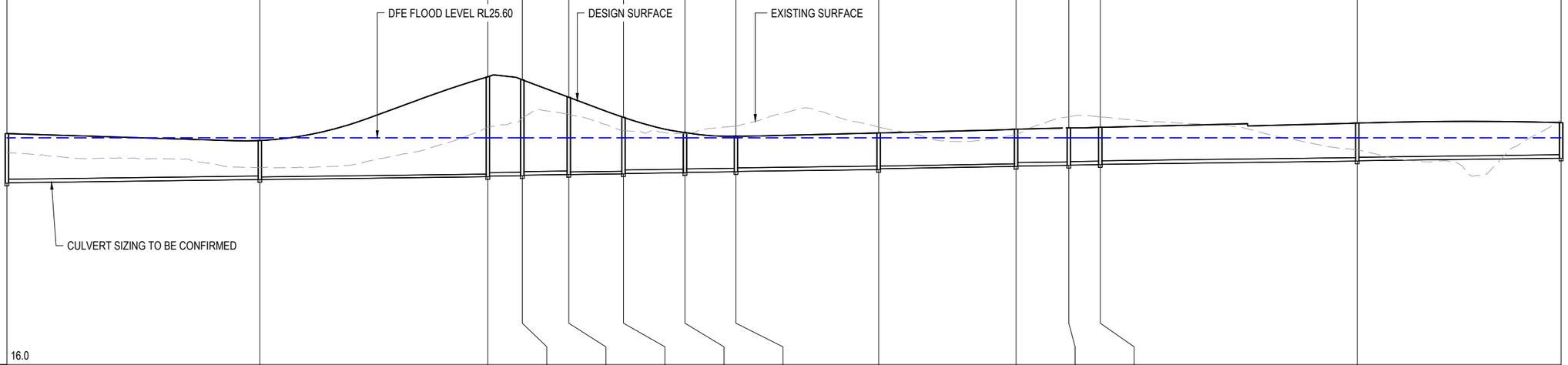
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



DATUM RL(m)	16.0													
LAND USE	ROAD RESERVE	ROAD RESERVE	ROAD RESERVE					ROAD RESERVE	ROAD RESERVE	ROAD RESERVE		ROAD RESERVE	ROAD RESERVE	
PIPE DIA & TYPE	DN300 UPVC SN8	DN300 uPVC SN8	DN300 uPVC SN8					DN300 UPVC SN8	DN300 uPVC SN8	DN300 UPVC SN8		DN300 UPVC SN8	DN300 UPVC SN8	
PIPE GRADE (1 in x)	1 IN 400	1 IN 400	1 IN 400	1 IN 389	1 IN 410	1 IN 400	1 IN 400	1 IN 400	1 IN 300	1 IN 400	1 IN 400	1 IN 400	1 IN 400	
EMBEDMENT														
JUNCTION INVERT LEVEL														
DEPTH TO INVERT	4.195 4.165	3.314 3.314	8.463 8.413	8.122 8.072	6.545 6.545	4.789 4.759	3.411 3.381	3.013 2.983	3.105 3.030	3.164 3.134	3.192 3.162	3.180 3.150	3.229 3.199	3.015
SEWER INVERT LEVEL	31.362 31.392	31.660 31.660	31.901 31.951	31.988 32.038	32.088 32.088	32.145 32.175	32.240 32.270	32.324 32.354	32.505 32.580	32.774 32.804	32.860 32.890	32.923 32.953	33.225 33.255	33.471
DESIGN SURFACE LEVEL	35.557	34.973	40.364	40.110	38.633	36.934	35.651	35.337	35.610	35.938	36.052	36.103	36.454	36.486
EXISTING SURFACE LEVEL	33.960	32.701	36.104	36.910	37.199	35.801	35.545	36.171	36.106	35.470	36.981	36.955	34.183	36.730
SETOUT	E491076.403 N6920924.986	E491179.082 N6920953.607	E491275.113 N6920948.181	E491282.291 N6920935.467	E491277.192 N6920916.454	E491271.191 N6920894.073	E491267.838 N6920868.248	E491270.625 N6920846.840	E491293.589 N6920790.926	E491315.702 N6920737.082	E491331.199 N6920720.997	E491343.459 N6920715.783	E491452.301 N6920715.428	E491535.372 N6920691.827
RUNNING CHAINAGE	868.135	107.125 975.261	96.574 1071.834	14.600 1086.435	19.685 1106.119	23.171 1129.290	26.042 1155.333	21.588 1176.921	60.446 1237.367	58.208 1295.575	22.335 1317.910	13.323 1331.233	108.843 1440.076	86.359 1526.434
LINE NUMBER	LINE TS1													

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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1:2000 A3
HORIZONTAL
1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **TRUNK SEWER LONGITUDINAL SECTION SHEET 4 OF 8**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1533	A

PLOT - 03 Aug 2026 03:43 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWBWAT.dwg

STRUCTURE NAME	46/TS1	47/TS1	48/TS1
STRUCTURE TYPE & DROP	C2 >	C2 >	C2 >
STRUCTURE LID TYPE			
JUNCT. LINE No.			
JUNCT. DROP TYPES			

STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

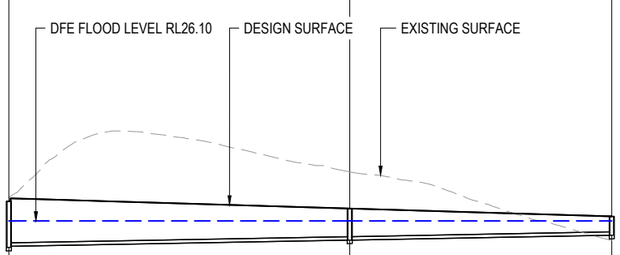
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

 # EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



DATUM RL(m)		18.0							
LAND USE		ROAD RESERVE				ROAD RESERVE			
PIPE DIA & TYPE		DN300 uPVC SN8				DN300 uPVC SN8			
PIPE GRADE (1 in x)		1 IN 278				1 IN 271			
EMBEDMENT									
JUNCTION INVERT LEVEL									
DEPTH TO INVERT	3.015	2.940			2.062	2.062			1.234
SEWER INVERT LEVEL	33.471	33.546			33.947	33.947			34.262
DESIGN SURFACE LEVEL		36.486				36.009			35.496
EXISTING SURFACE LEVEL		36.730				38.397			33.925
SETOUT	E491535.372 N6920691.827				E491642.338 N6920661.437				E491724.546 N6920638.080
RUNNING CHAINAGE	1526.434	111.200			1637.634	85.461			1723.096
LINE NUMBER	LINE TS1								

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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1:2000 A3
HORIZONTAL
1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE
TRUNK SEWER LONGITUDINAL SECTION SHEET 5 OF 8

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1534	A

PLOT - 03 Aug 2026 03:43 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg

STRUCTURE NAME	1/TS2	2/TS2	3/TS2	4/TS2	5/TS2
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V
STRUCTURE LID TYPE					
JUNCT. LINE No.		90°	14°	-95°	
JUNCT. DROP TYPES					

STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

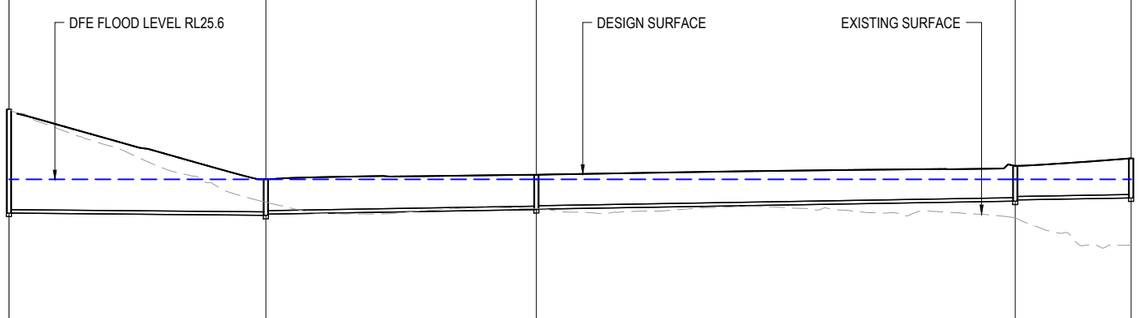
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

 # EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



| | | | | |

STRUCTURE NAME	2/TS1	1/TS3	2/TS3	3/TS3	4/TS3	5/TS3	6/TS3	7/TS3	8/TS3	9/TS3	10/TS3	11/TS3
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V
STRUCTURE LID TYPE												
JUNCT. LINE No.	TS1	36°			13°		-12°			11°		
JUNCT. DROP TYPES												

STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

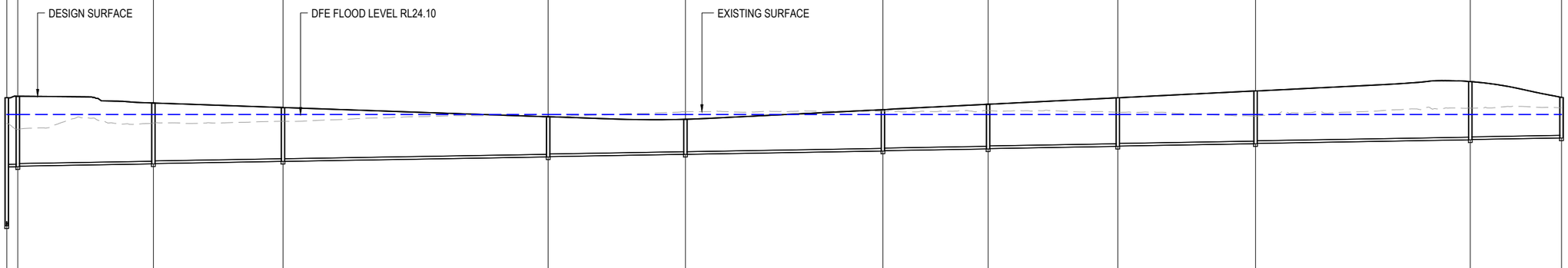
DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

 # EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.



DATUM RL(m)	12.0											
LAND USE		ROAD RESERVE		ROAD RESERVE	ROAD RESERVE	ROAD RESERVE		ROAD RESERVE		ROAD RESERVE	ROAD RESERVE	
PIPE DIA & TYPE		DN225 UPVC SN8		DN225 UPVC SN8	DN225 UPVC SN8	DN225 UPVC SN8		DN225 UPVC SN8		DN225 UPVC SN8	DN225 UPVC SN8	
PIPE GRADE (1 in x)	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 303	
EMBEDMENT												
JUNCTION INVERT LEVEL	30.741											
DEPTH TO INVERT	10.890	5.890	5.976	5.926	5.174	5.144	4.576	4.576	3.422	3.392	2.979	2.979
SEWER INVERT LEVEL	25.742	30.741	30.757	30.807	30.999	31.029	31.212	31.212	31.587	31.617	31.811	31.811
DESIGN SURFACE LEVEL		36.632		36.733		36.173		35.788		35.009		34.790
EXISTING SURFACE LEVEL		34.432		33.925		34.462		34.620		34.983		35.426
SETOUT	E491430.025	N6920098.450	E491429.120	N6920093.840	E491387.051	N6920054.595	E491346.827	N6920017.071	E491264.535	N6919940.302	E491214.321	N6919910.804
RUNNING CHAINAGE		-42.512	4.698	-37.814	57.532	19.719	55.009	74.727	112.541	187.269	58.237	245.505
LINE NUMBER	LINE TS3											

	6/TS3	7/TS3	8/TS3	9/TS3	10/TS3	11/TS3
LAND USE		ROAD RESERVE		ROAD RESERVE	ROAD RESERVE	
PIPE DIA & TYPE		DN225 UPVC SN8		DN225 UPVC SN8	DN225 UPVC SN8	
PIPE GRADE (1 in x)	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 303	
EMBEDMENT						
JUNCTION INVERT LEVEL						
DEPTH TO INVERT	3.507	3.477	3.794	3.764	4.131	4.101	4.490	4.460	4.947	4.917	3.451	
SEWER INVERT LEVEL	32.091	32.121	32.270	32.300	32.483	32.513	32.708	32.738	33.042	33.072	33.199	
DESIGN SURFACE LEVEL		35.598		36.064		36.614		37.198		37.989		36.651
EXISTING SURFACE LEVEL		35.481		35.539		35.390		35.058		35.738		35.767
SETOUT	E491142.047	N6919868.346	E491109.068	N6919838.271	E491068.398	N6919801.182	E491025.205	N6919761.792	E490947.213	N6919714.632	E490914.096	N6919694.606
RUNNING CHAINAGE	83.822	329.328	44.634	373.962	55.041	429.003	58.458	487.460	91.141	578.602	38.702	617.303

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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1:2000 A3
HORIZONTAL
1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME: **KAGARU**

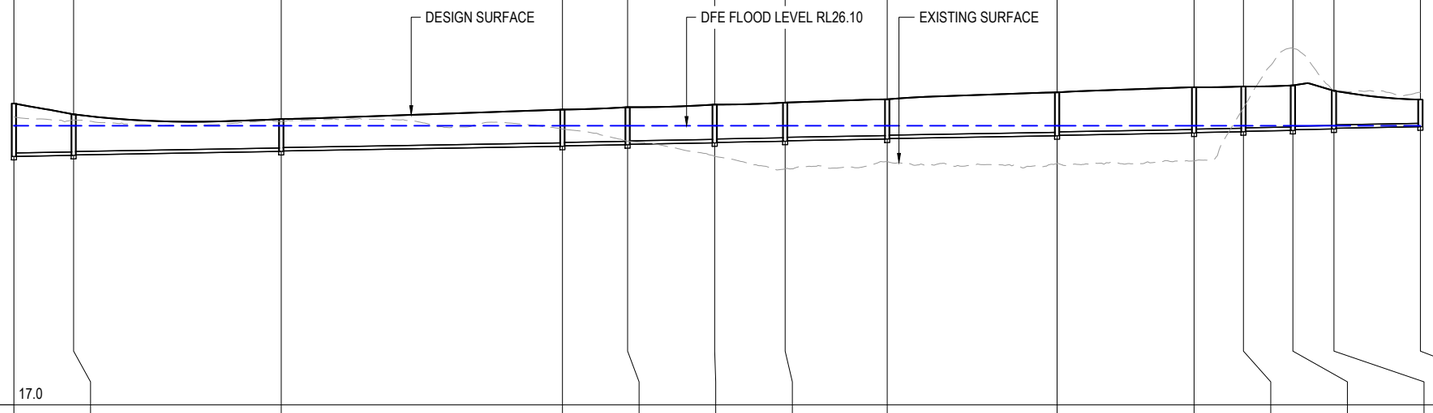
208 WYATT ROAD
KAGARU

DRAWING TITLE: **TRUNK SEWER LONGITUDINAL SECTION SHEET 7 OF 8**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1536	A

PLOT - 03 Aug 2026 03:43 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg

STRUCTURE NAME	11/TS3	12/TS3	13/TS3	14/TS3	15/TS3	16/TS3	17/TS3	18/TS3	19/TS3	20/TS3	21/TS3	22/TS3	23/TS3	24/TS3
STRUCTURE TYPE & DROP	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V	C2 V
STRUCTURE LID TYPE														
JUNCT. LINE No.		-22°	11°	6°	20°	19°	7°	-21°	-15°	14°	15°	-31°	-52°	
JUNCT. DROP TYPES														



STRUCTURE TYPES
C1 = CAST-IN-SITU 1.050Ø
C2 = CAST-IN-SITU 1.200Ø
C3 = CAST-IN-SITU 1.500Ø
C4 = CAST-IN-SITU 1.800Ø
C5 = CAST-IN-SITU 2.000Ø
C6 = CAST-IN-SITU 2.400Ø

FOR DEEP STRUCTURES - REFER TO LOGAN WATER STANDARD DRAWING LW-SEW-DWG-2052

MH DROP TYPES:
AS PER LW-SEW-DWG-2120

DROP TYPES:
V = DROP THROUGH BASE
Z = >750mm INTERNAL DROP

LID TYPES
B = NON-TRAFFICABLE
D = TRAFFICABLE
D(BD) = TRAFFICABLE WITH BOLT DOWN

NOTE: PE LINING OF MANHOLES:
PE LINING REQUIREMENTS AS PER SEWER SEQ CODE CLAUSE 7.6.2.

 # EMBEDMENT NOTE:
REFER TO DWG. No. 2601 FOR PIPE EMBEDMENT & TRENCHFILL DETAIL.

IF MATERIAL CHANGES FROM ROCK TO OTHER MATERIAL, GEOTECH TO CONFIRM IF TYPE 4 BEDDING IS REQUIRED.

DATUM RL(m)	17.0													
LAND USE		ROAD RESERVE	ROAD RESERVE	ROAD RESERVE				ROAD RESERVE			ROAD RESERVE			
PIPE DIA & TYPE		DN225 UPVC SN8	DN225 UPVC SN8	DN225 UPVC SN8				DN225 UPVC SN8			DN225 UPVC SN8			
PIPE GRADE (1 in x)	1 IN 294	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300	1 IN 300
EMBEDMENT														
JUNCTION INVERT LEVEL														
DEPTH TO INVERT	3.451	3.451 2.677	2.647 2.114	2.084 2.396	2.366 2.452	2.422 2.497	2.467 2.520	2.490 2.593	2.563 2.830	2.800 2.991	2.961 2.956	2.926 2.941	2.891 2.490	2.440 1.776
SEWER INVERT LEVEL	33.199	33.199 33.266	33.296 33.521	33.551 33.857	33.887 33.958	33.988 34.083	34.113 34.189	34.219 34.330	34.360 34.545	34.575 34.724	34.754 34.808	34.838 34.891	34.941 34.986	35.036 35.130
DESIGN SURFACE LEVEL	36.651	35.943	35.635	36.254	36.410	36.580	36.709	36.923	37.375	37.715	37.764	37.832	37.476	36.906
EXISTING SURFACE LEVEL	35.767	35.578	35.468	34.983	34.186	33.211	32.391	32.859	32.738	32.907	36.362	40.243	37.413	37.376
SETOUT	E490914.096 N6919694.606	E490897.425 N6919684.526	E490856.709 N6919630.402	E490788.908 N6919568.640	E490771.777 N6919556.051	E490744.568 N6919547.925	E490721.590 N6919548.822	E490688.764 N6919554.329	E490634.508 N6919543.057	E490594.432 N6919523.260	E490578.688 N6919519.957	E490562.567 N6919520.816	E490550.706 N6919514.605	E490545.439 N6919486.900
RUNNING CHAINAGE	617.303	19.481 636.785	67.729 704.514	91.714 796.228	21.259 817.487	28.397 845.884	22.995 868.879	33.285 902.164	55.414 957.578	44.700 1002.277	16.087 1018.364	16.143 1034.507	13.389 1047.896	28.201 1076.098
LINE NUMBER	LINE TS3													

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	03.08.26	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 3.08.26

FOR AND ON BEHALF OF COLLIERS INTERNATIONAL ENGINEERING & DESIGN PTY LTD

Colliers

SCALE
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1:2000 A3
HORIZONTAL
1:200 2 0 2 4 6 8 10 A1
1:400 A3
VERTICAL

CLIENT **WEL.CO**

ASSOCIATED CONSULTANT
SAUNDERS HAVILL GROUP PTY LTD
1300 123 744

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

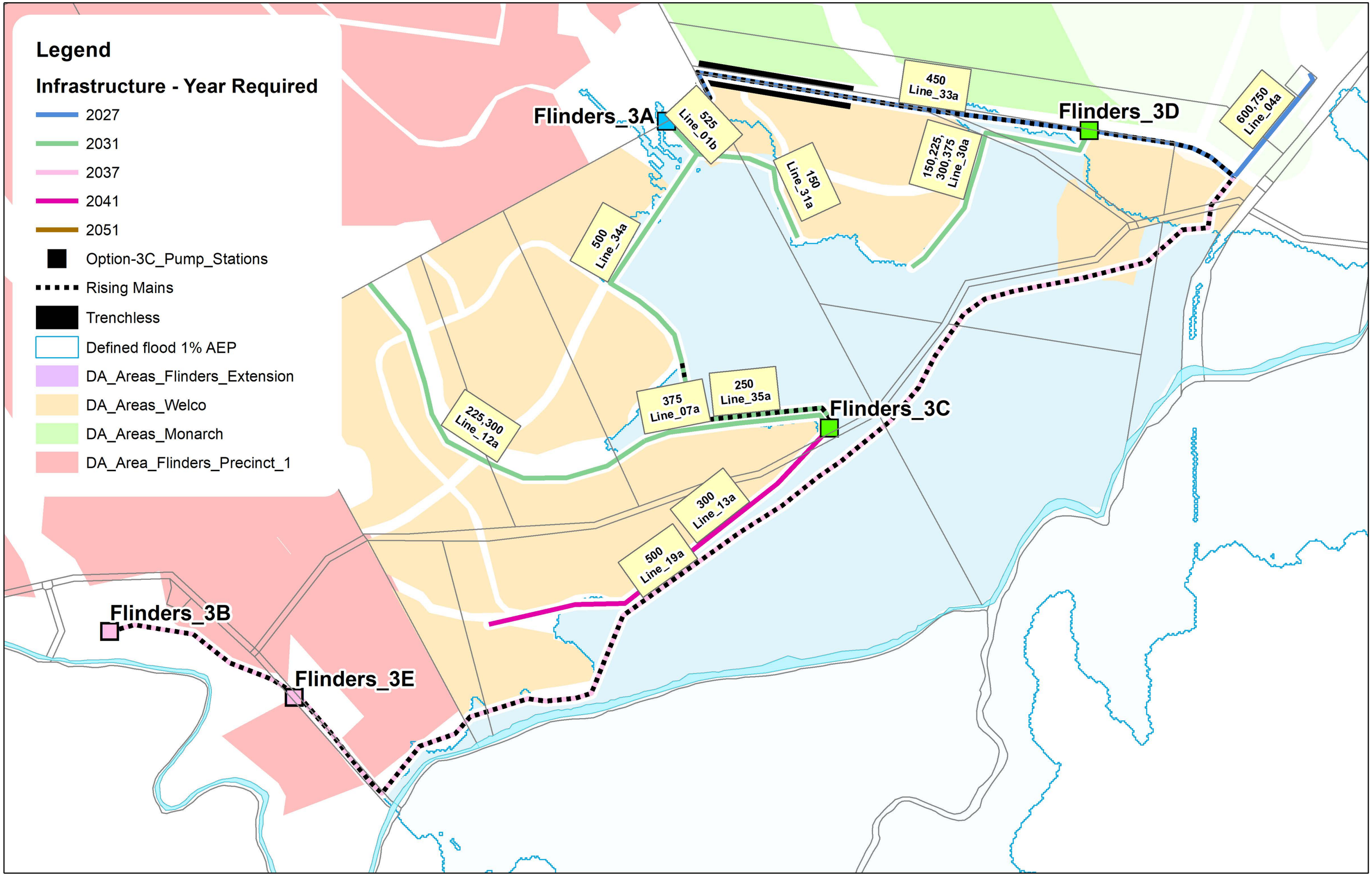
DRAWING TITLE **TRUNK SEWER LONGITUDINAL SECTION SHEET 8 OF 8**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1537	A

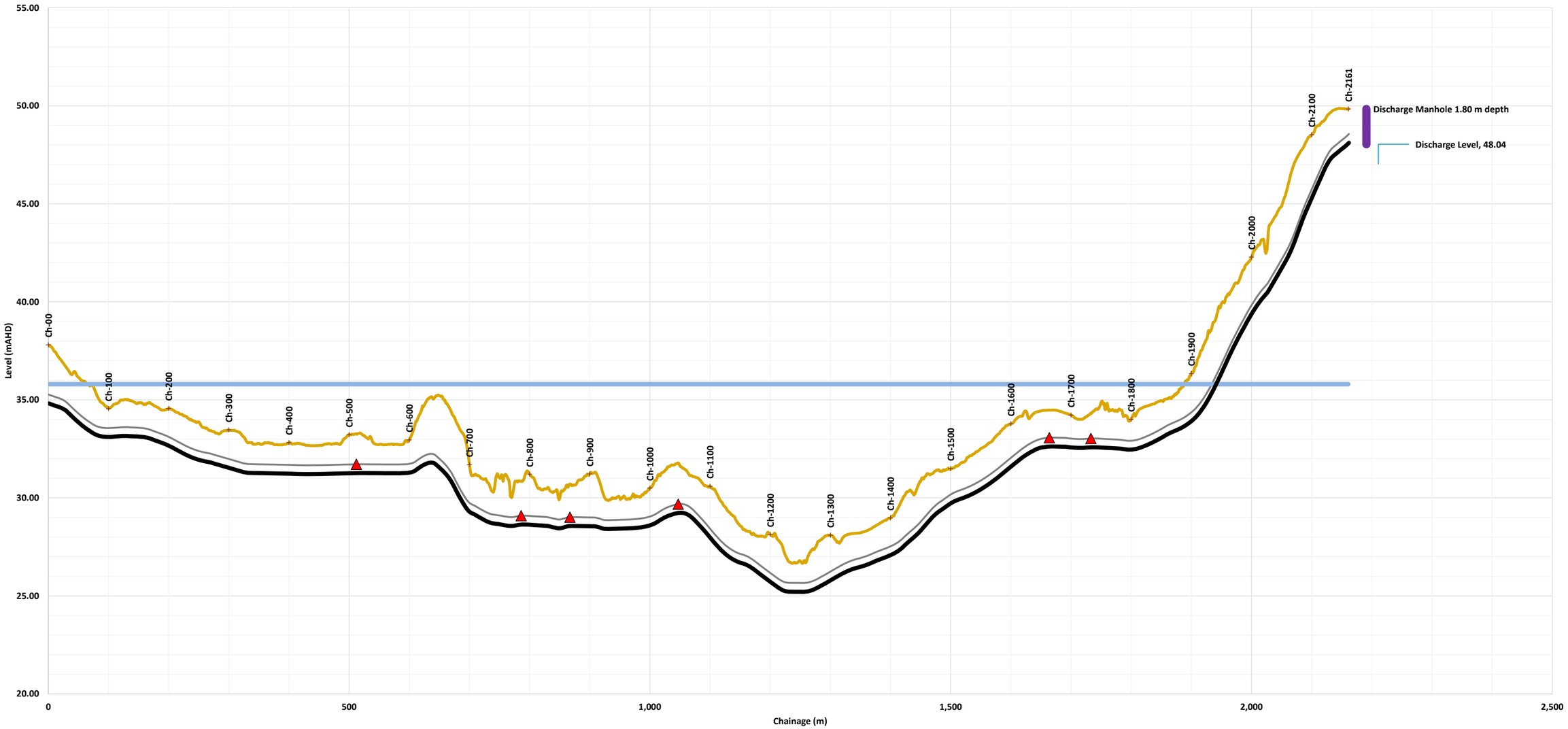
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Appendix B Flinders Lakes Wastewater Planning Control Lines

INFRASTRUCTURE - OPTION 3C

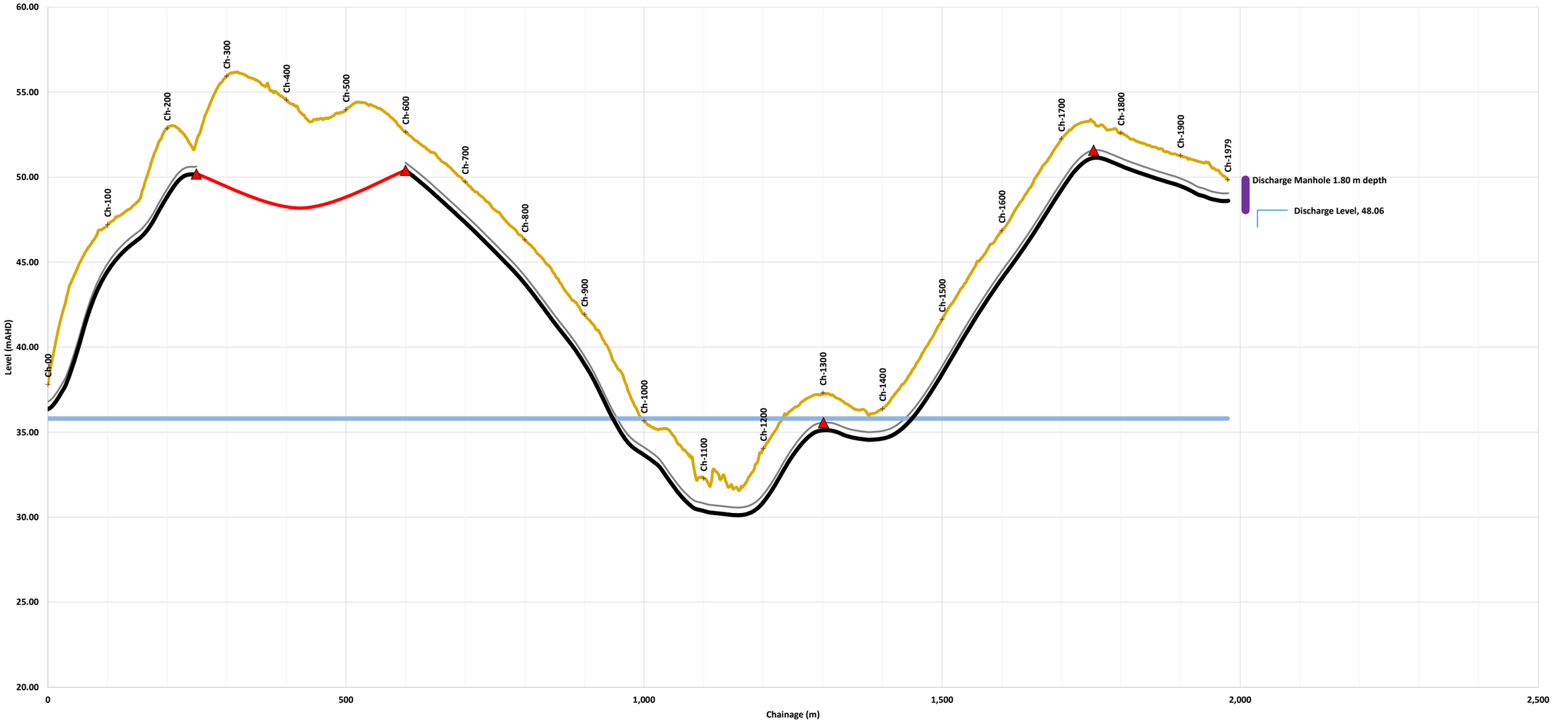


PROFILES RISING MAINS
Option 3C - Line 25a



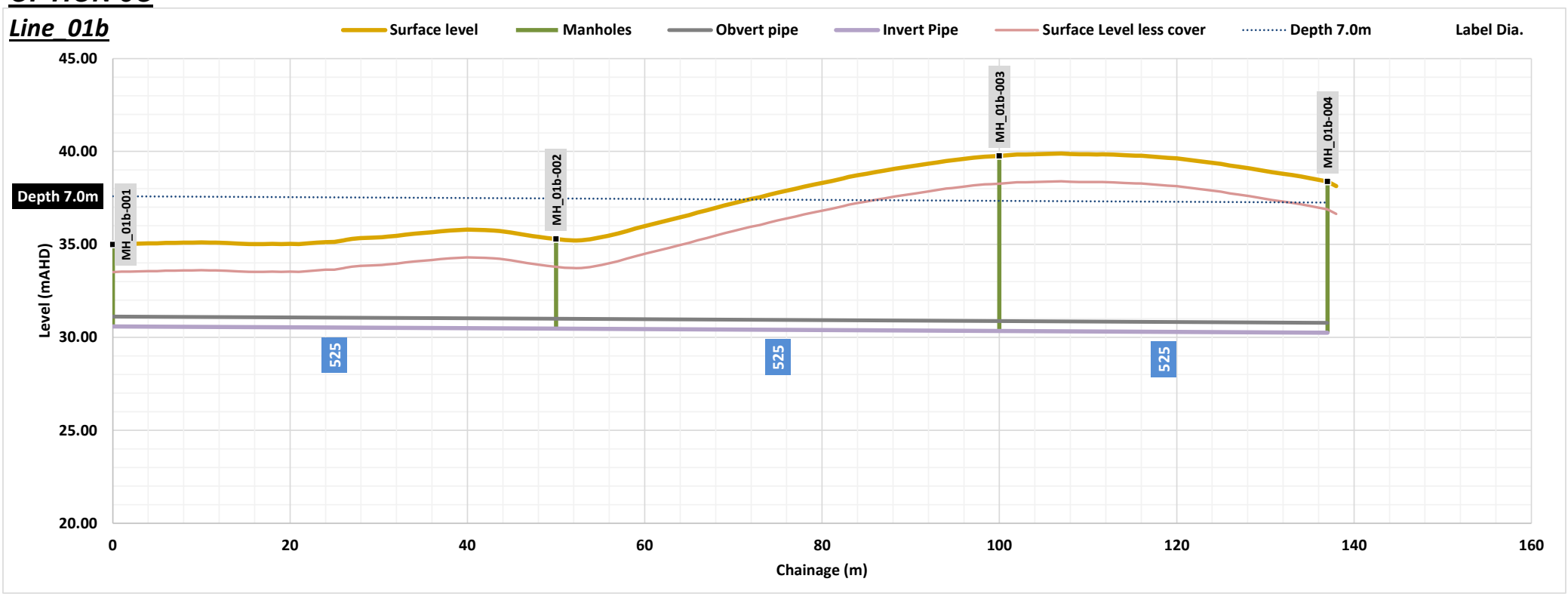
PROFILES RISING MAINS

Option 3C - Line 33a



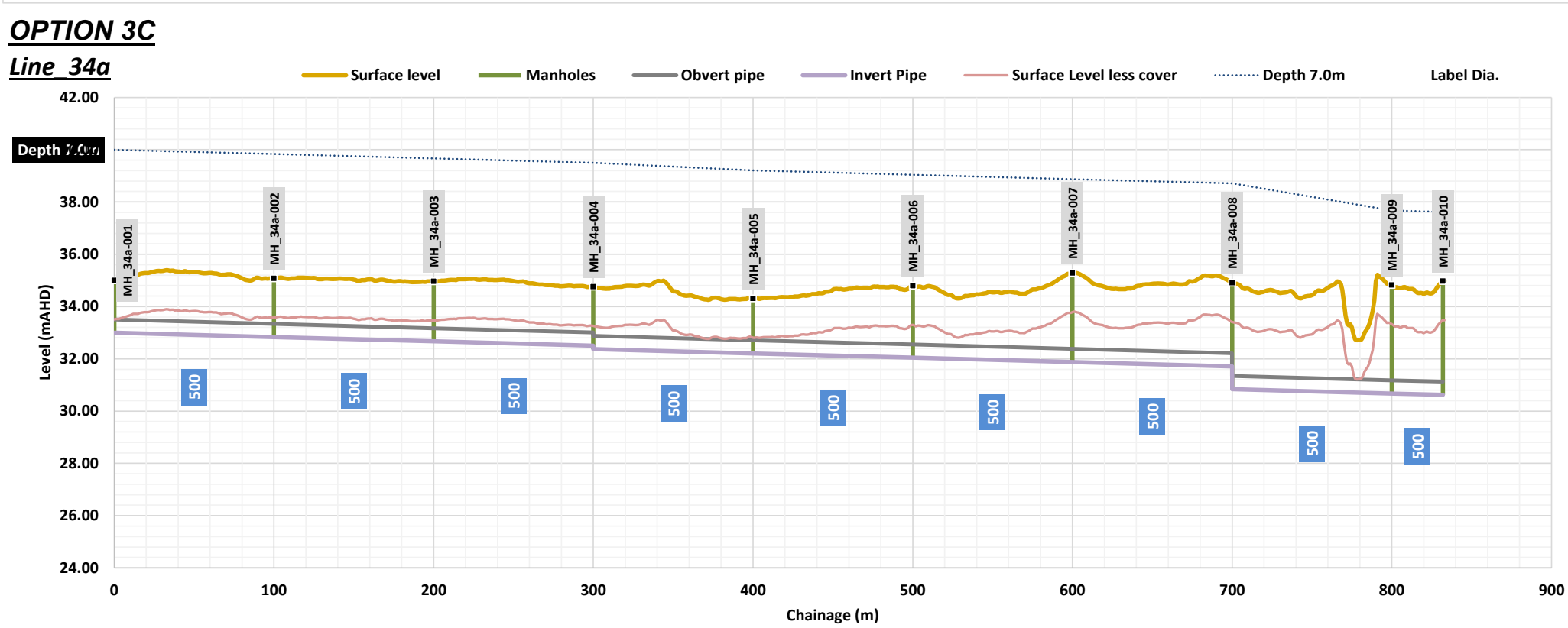
PROFILES TRUNK SEWERS
OPTION 3C

Line_01b



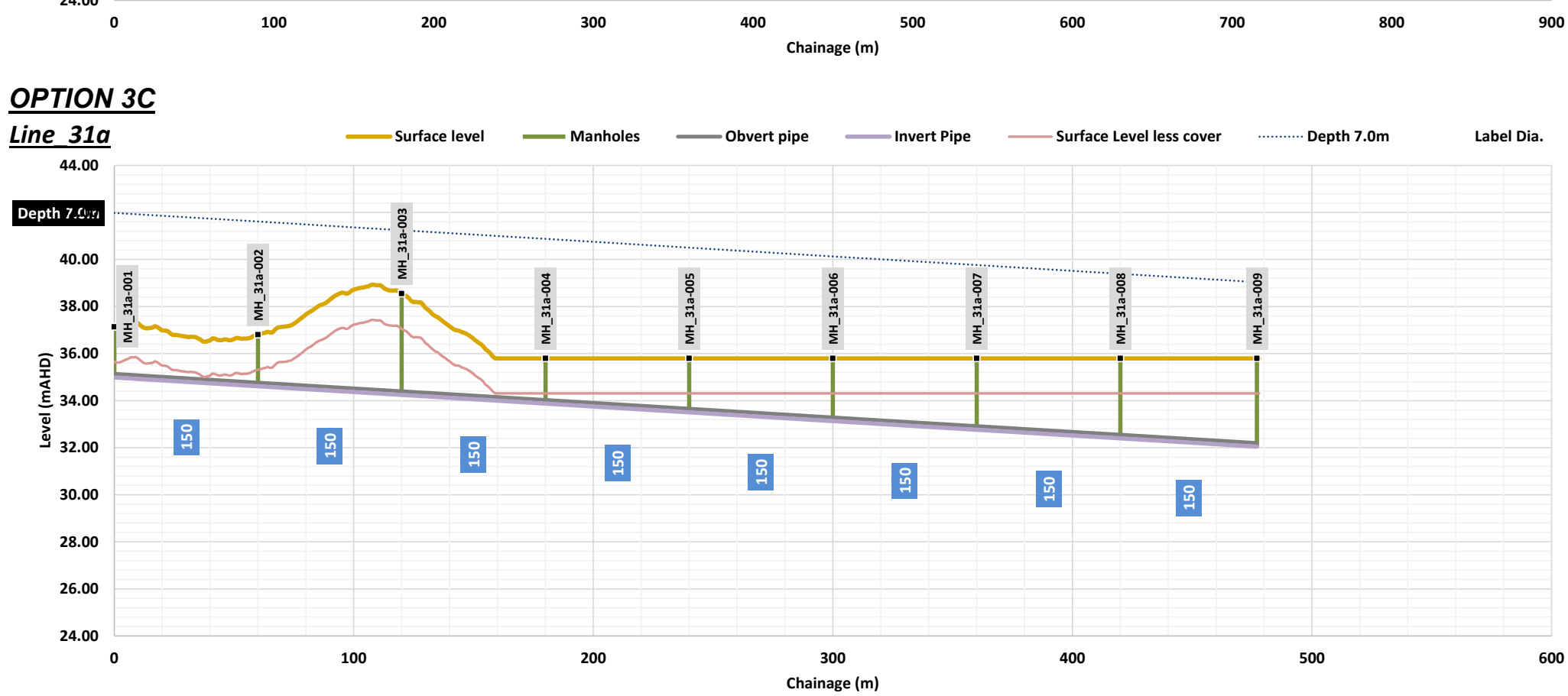
OPTION 3C

Line_34a



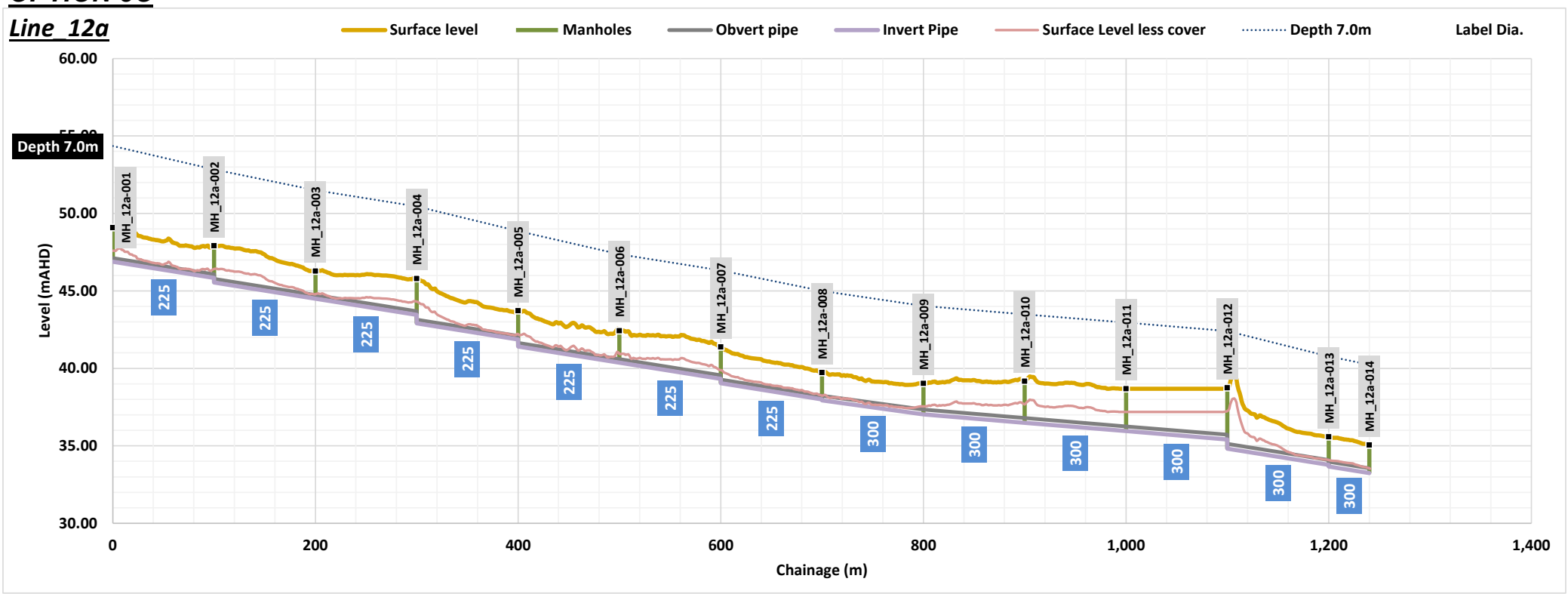
OPTION 3C

Line_31a



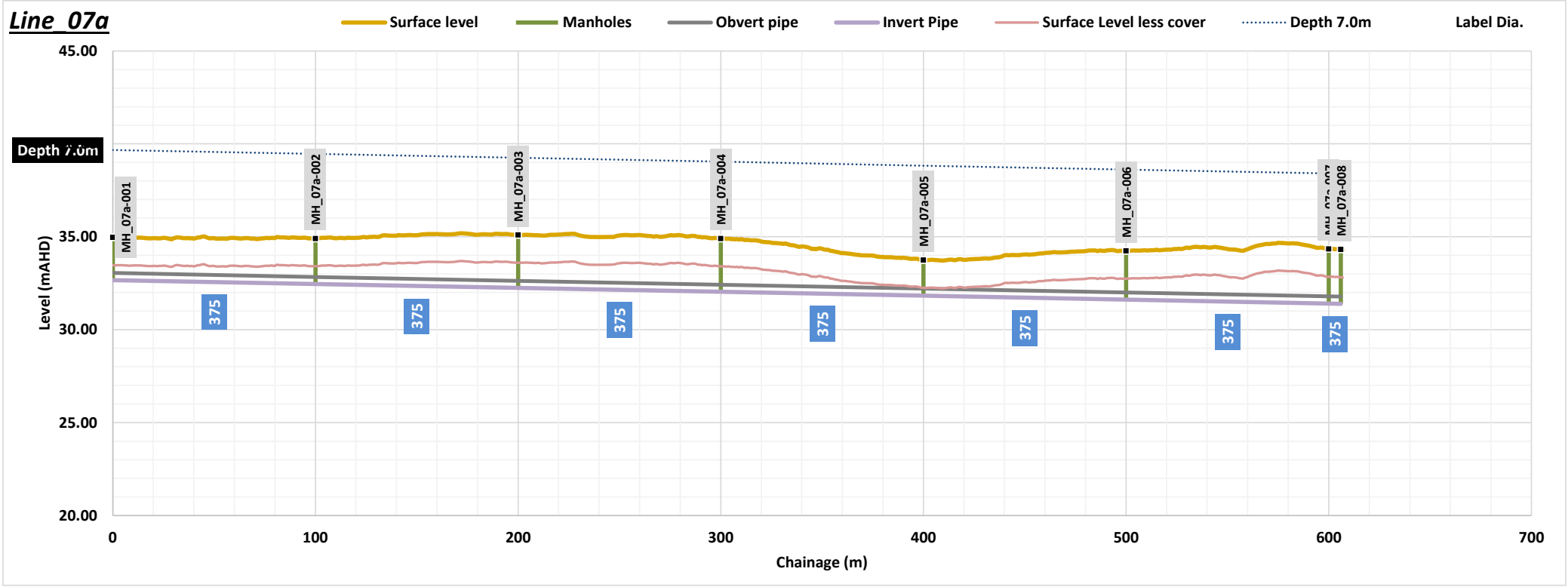
PROFILES TRUNK SEWERS
OPTION 3C

Line_12a



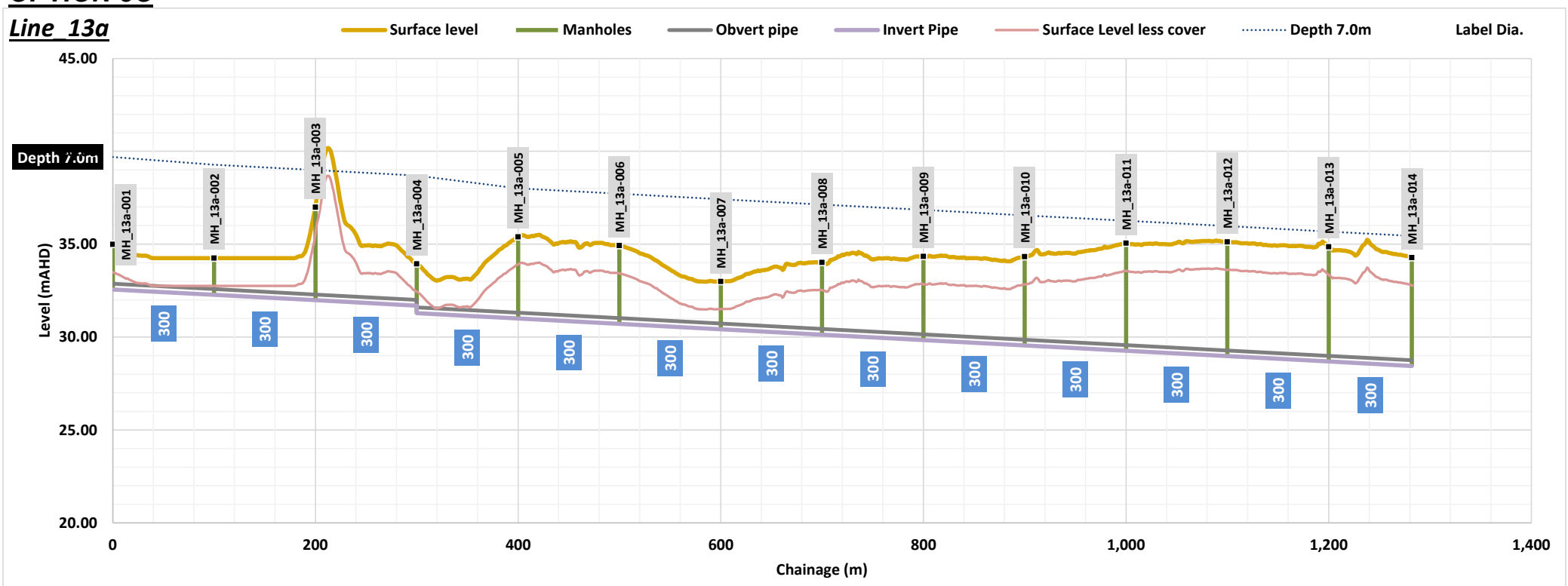
OPTION 3C

Line_07a

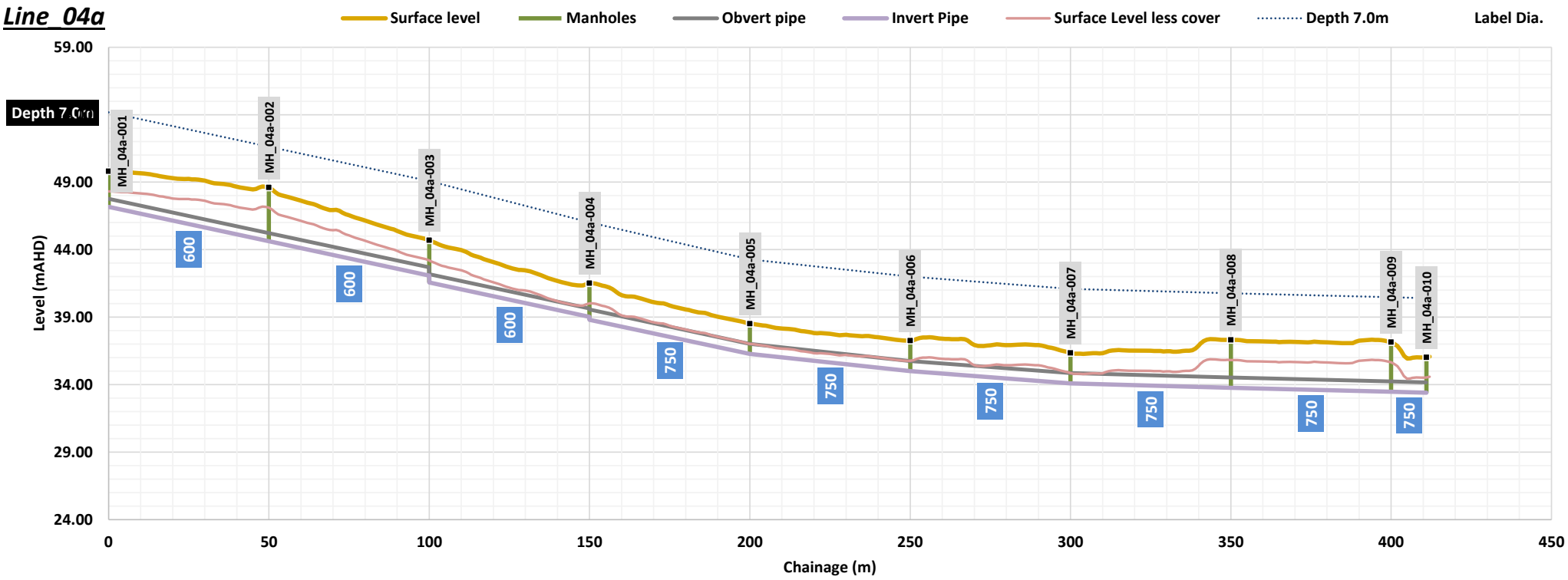


OPTION 3C

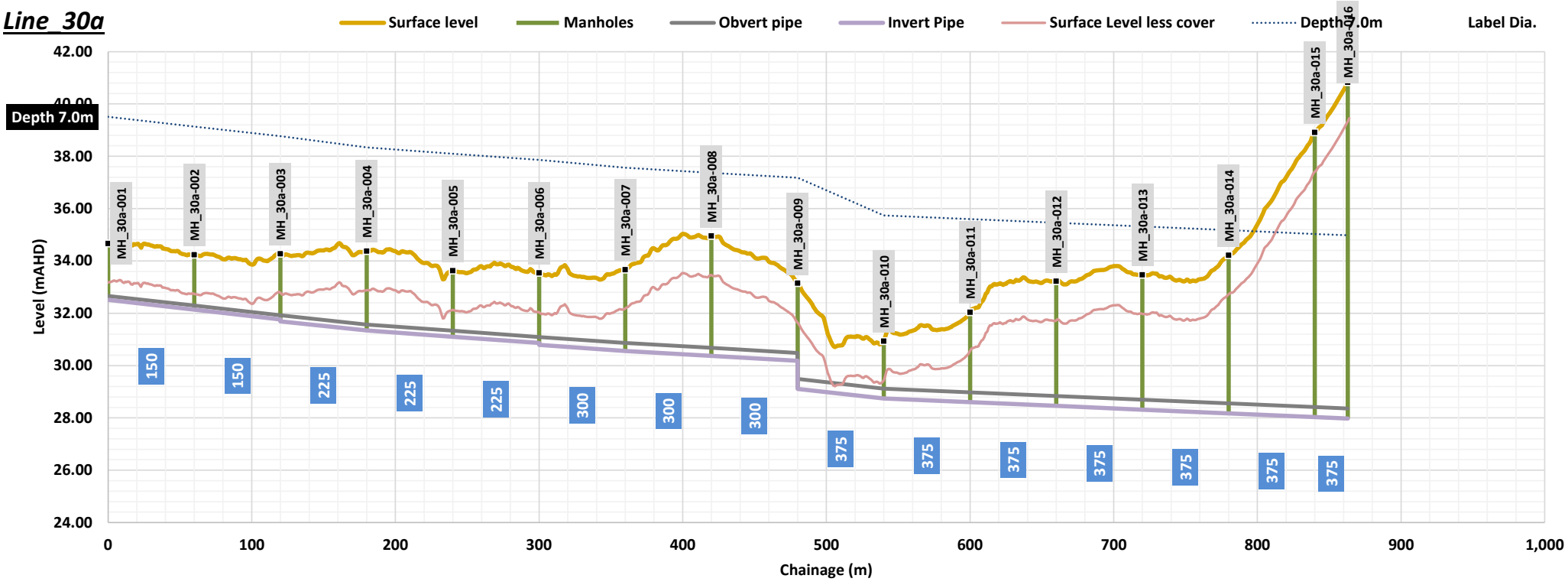
Line_13a



PROFILES TRUNK SEWERS
OPTION 3C
Line_04a



OPTION 3C
Line_30a



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