208 & 325 Wyatt Rd, Kagaru

Litoba Holdings Pty Ltd

Engineering Services Report

23-0206.ESR-V1

21 June 2024

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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

20-0211ESR-CA3NORTH-V1

Version	Date	Details	Prepared	Checked	Approved
1	11/12/2024	Issue for Approval	DC	DC	DC

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1. Introduction

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

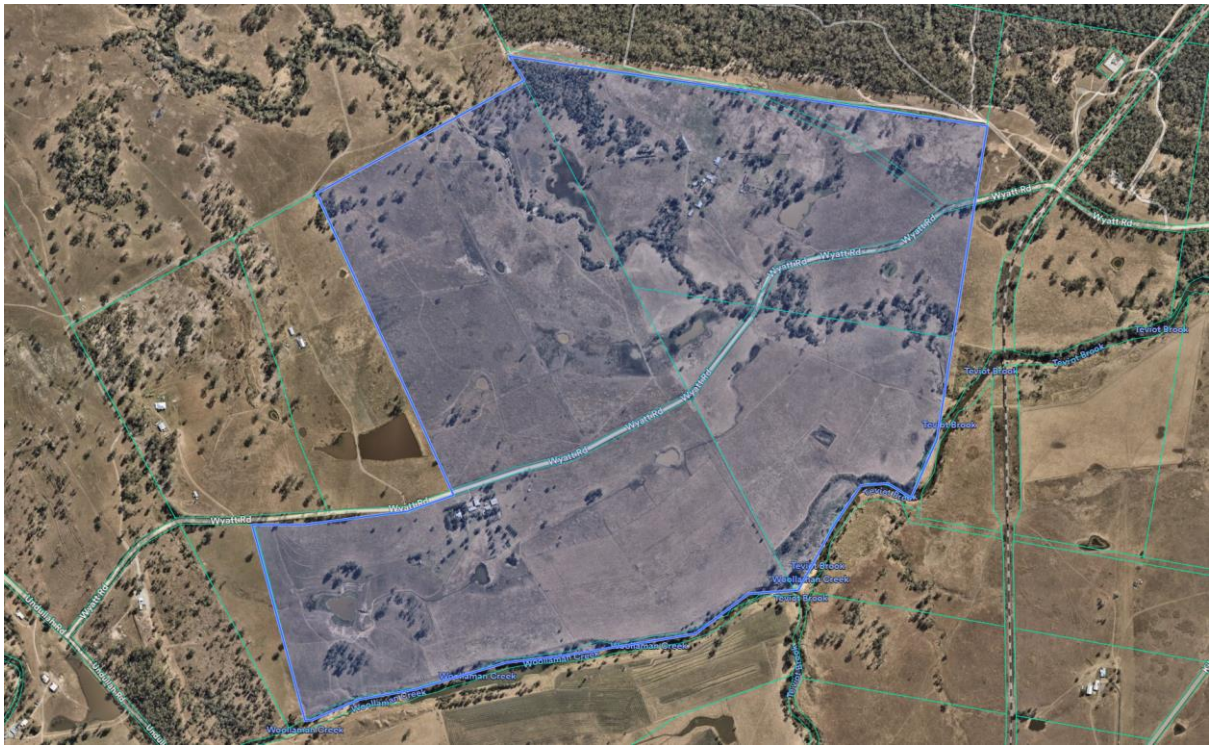


Figure 1: Site Location

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 2.5m 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-1100 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. It is proposed that Wyatt Road identified as R017 in the Greater Flagstone DCOP is re-aligned as proposed in this layout to access via Flinders Lake Boulevard further west and run through the site to service the future adjoining developers to the southwest. Trunk Roads and intersections will be provided in accordance with the Endorsed Movement Network IMP in consultation with EDQ. Refer to the Traffic Planning Context Tech Memo prepared by Bitzios Consulting.

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-1250 to 20-0211-DA-1251*).

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. Typical road layouts and cross sections are shown in **Appendix A** (Drawings *23-0206-DA-1200 to 1229*).

All roads will provide access immunity to lots in accordance with the Queensland Urban Drainage Manual. Further details are outlined in the Concept Flood Assessment and Stormwater Management Plan 23020246-RF01-V01 prepared by Water Technology dated 4 August 2023.

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. Development Density and Demand

A demand assessment has been undertaken to identify the increased demands on existing water and wastewater infrastructure associated with the proposed development. Ultimate demand for the proposed site has been estimated based on the SHG drawing *11560 P 25 Rev E – PRO 01*. Equivalent Persons (EP) were estimated in accordance with the South-East Queensland Water Supply and Sewerage Design & Construction Code (SEQ Code).

The proposed development will consist of 1,748 detached residential dwellings. The estimated ultimate EP for the proposed development is 5,385EP as outlined within Table 5-1.

Table 5-1: Development demand estimate

Development Land Use	Yield	Demand Rate**	Demand
Detached dwelling	1,748 dw	2.8 EP/dw	4,895 EP
Total*			**5,385 EP**

* Inclusive of 10% contingency

6. Sewerage Reticulation

Wastewater flows have been estimated in accordance with the SEQ Code for the proposed ultimate EP assessment in Table 5-1. These flows are presented in Table 6-1.

Table 6-1: Wastewater flow projection

Demand	ADWF	PDWF	PWWF
5,385 EP	12.47 L/s	23.77 L/s	62.33 L/s

Sewer discharge from the development is proposed to be serviced via trunk gravity sewer lines throughout the development which discharge to sewer pump station FL1 & rising mains being delivered by Logan Water as Sub-Regional Infrastructure.

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* 1530). 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.

It is anticipated that a Compliance Assessment condition will be included requiring the preparation, submission, and approval of a Sewerage Network Plan prior to commencement of works.

7. Water Supply

A water demand assessment has been undertaken in accordance with the SEQ Code for the proposed ultimate EP assessment in Table 5-1. These flows are presented in Table 7-1.

Table 7-1: Water demand assessment

Demand	AD	MDMM	PD	PH	FF
5,385 EP	14.34 L/s	21.50 L/s	28.67 L/s	57.34 L/s	15 L/s

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.

It is anticipated that a Compliance Assessment condition will be included requiring the preparation, submission, and approval of a Water Network Analysis Report prior to commencement of works. This report will document the water main sizing required throughout the development and identify there is adequate pressures available to meet the minimum desired standards of service.

8. 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-1410-1413).

For further details with respect to stormwater management, please refer to the Concept Flood Assessment and Stormwater Management Plan 23020246-RF01-V01 prepared by Water Technology dated 4 August 2023.

9. 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.

10. 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.

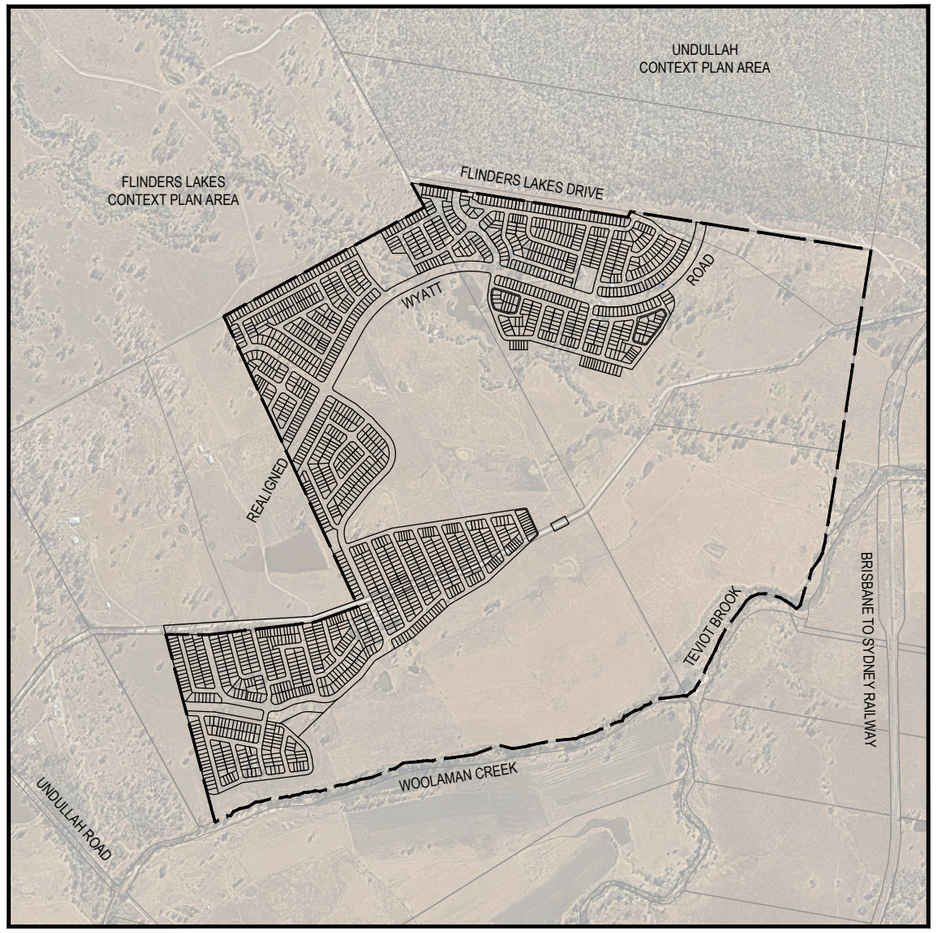
Appendices

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 = 1748
AREA OF SITE = 307.53 ha
RP DESCRIPTION LOT X ON RP XXXX LOT X ON RP XXXX LOT X ON SP XXXX
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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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

DRAWING TITLE: **COVER PLAN**

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

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DRAWING LIST

COVER PAGE AND OVERALL PLAN

23-0206-DA-1001 COVER PLAN
23-0206-DA-1002 DRAWING LISTS
23-0206-DA-1010 OVERALL LAYOUT PLAN
23-0206-DA-1100 OVERALL DEPTH RANGE PLAN
23-0206-DA-1103 BULK EARTHWORKS OVERALL PLAN

CONCEPT BULK EARTHWORKS

23-0206-DA-1105 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 01 OF 26
23-0206-DA-1106 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 02 OF 26
23-0206-DA-1107 CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 03 OF 26
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REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **DRAWING LISTS**

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

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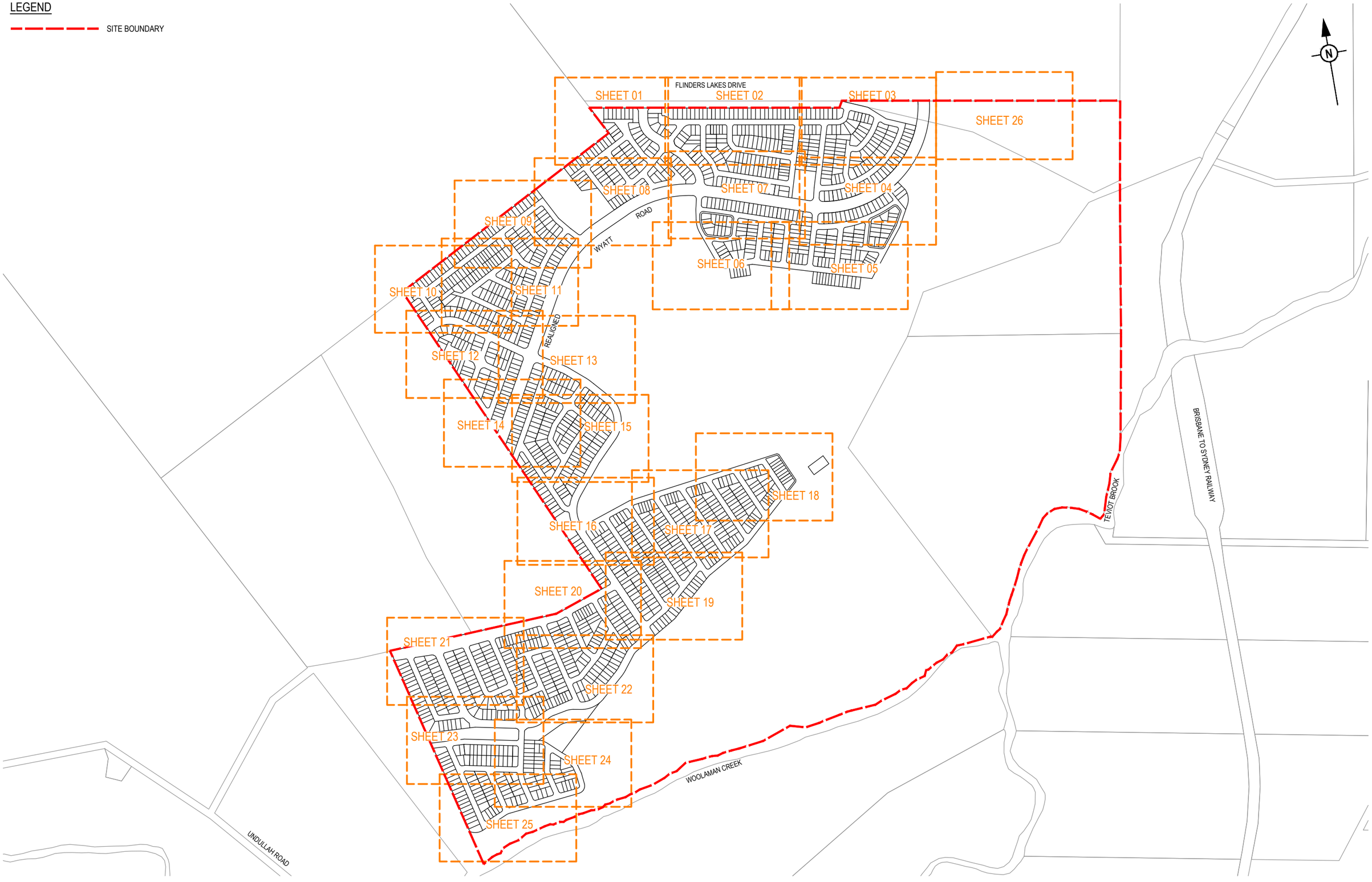
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SHEET 25
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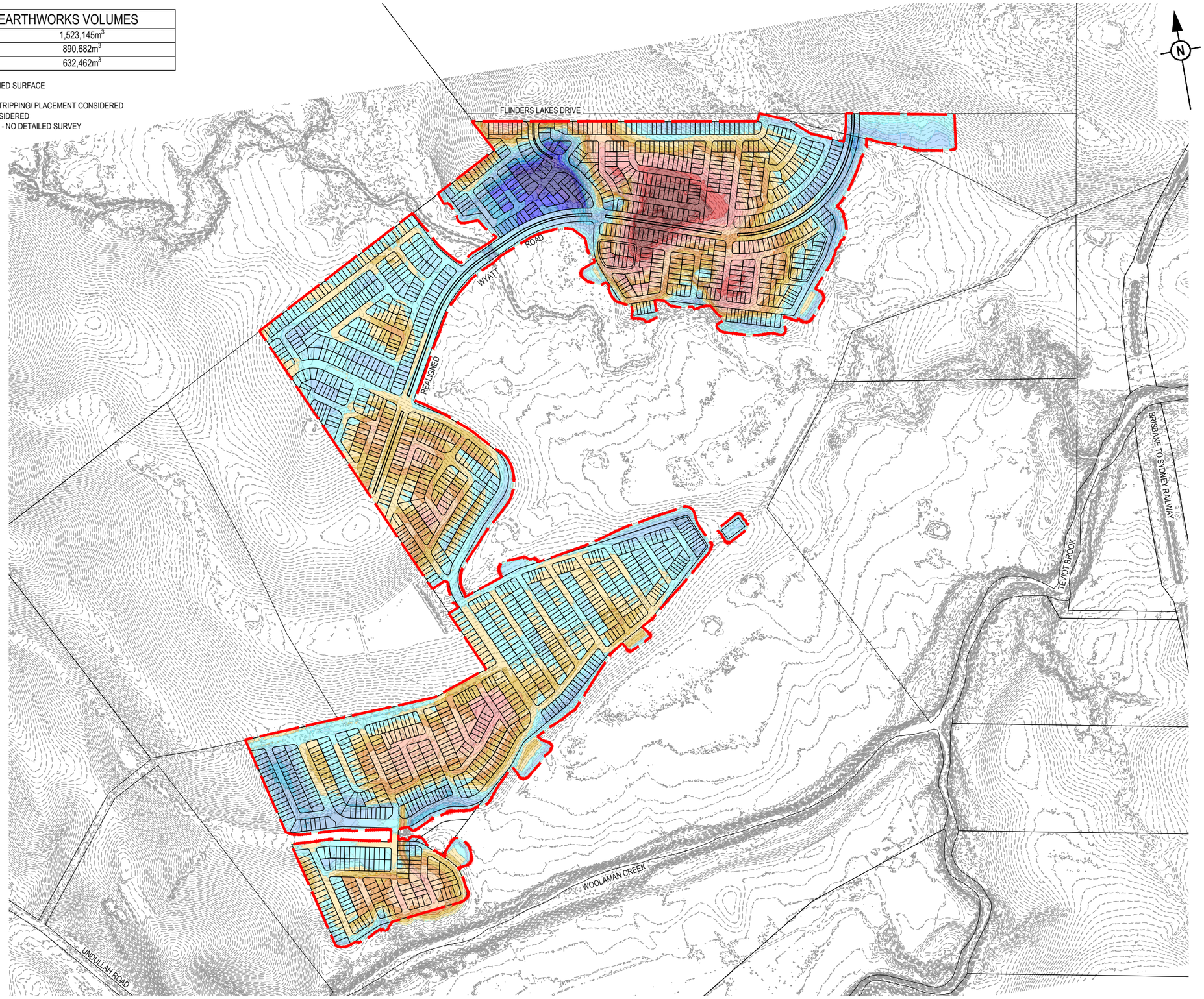
WYATT ROAD
REALIGNED
TEMPORARY
TEMPORARY
TEMPORARY

CONCEPT BULK EARTHWORKS VOLUMES	
CUT	1,523,145m^3
FILL	890,682m^3
EXPORT	632,462m^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
- -56.0- 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

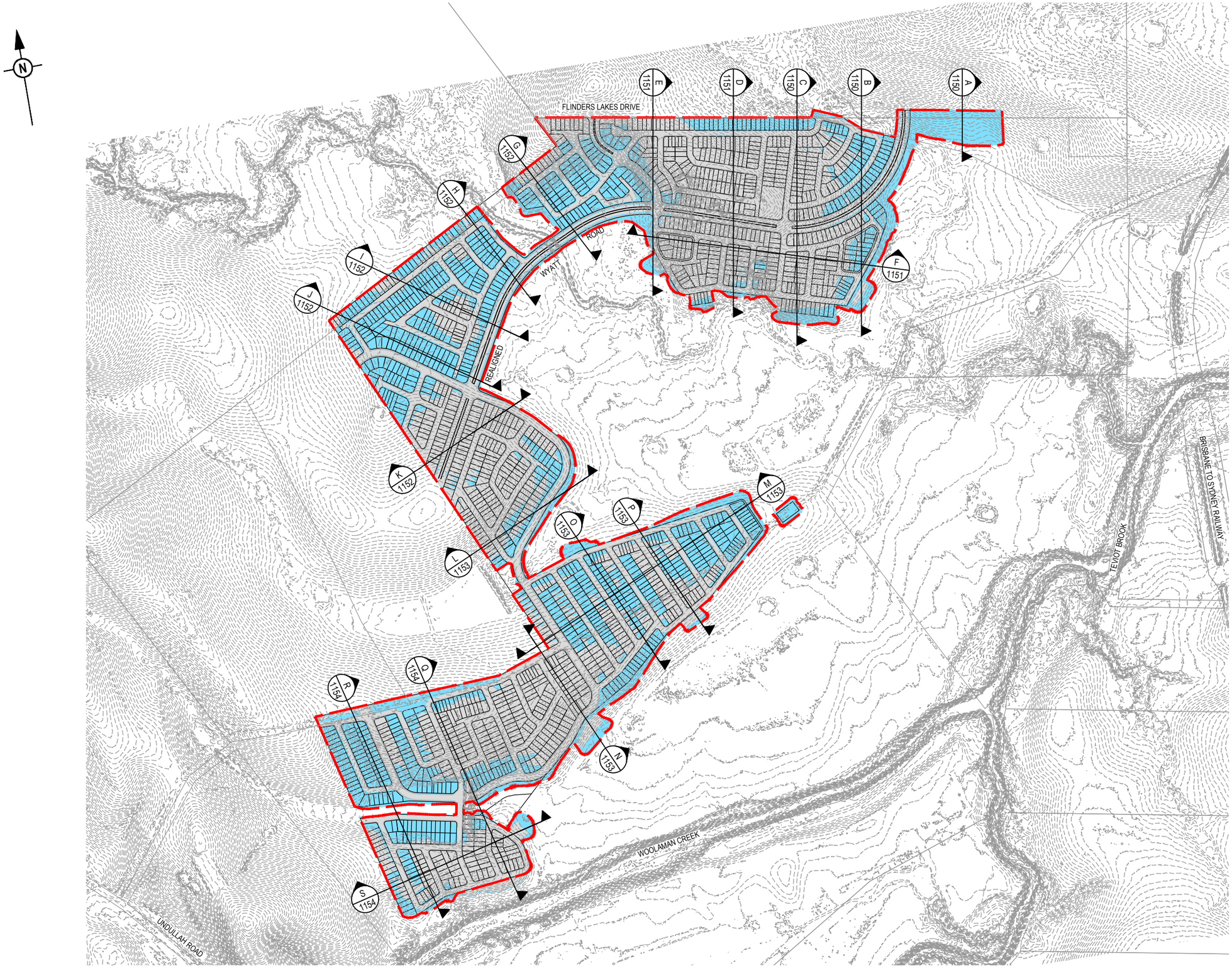
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **OVERALL DEPTH RANGE PLAN**

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

PLOT - 04 Dec 2024 03:31 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1100-OVERALL DEPTH RANGE PLAN.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

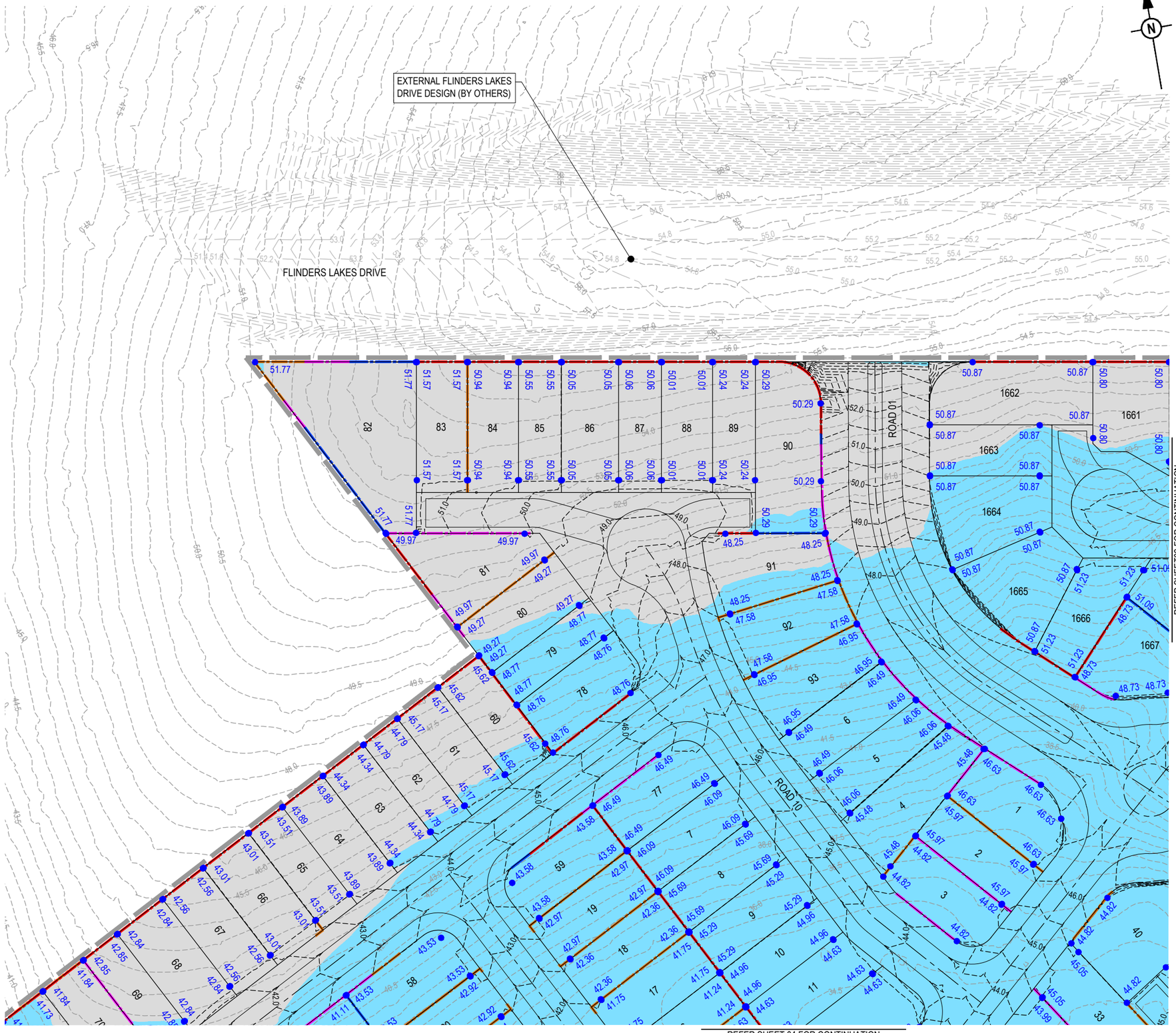
DRAWING TITLE: **CONCEPT BULK EARTHWORKS OVERALL PLAN**

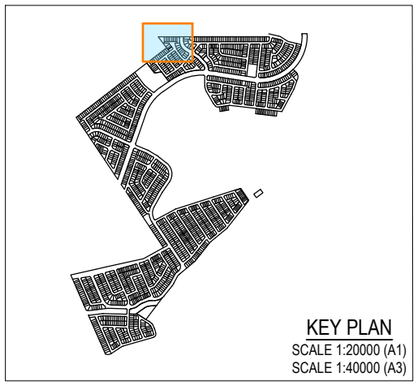
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1103	A

PLOT - 04 Dec 2024 03:31 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1103-BULK EARTHWORKS OVERALL PLAN.dwg

LEGEND

- PROPOSED AREA OF WORKS
- 24.0 PROPOSED SURFACE CONTOUR
- 24.0 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)
- PROPOSED DRAINAGE SWALE
- 24.60 PROPOSED FINISHED SURFACE LEVEL (FSL) (AFTER TOPSOIL PLACEMENT)
- PROPOSED AREA OF CUT
- PROPOSED AREA OF FILL





REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 01 OF 26**

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

PLOT - 04 Dec 2024 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

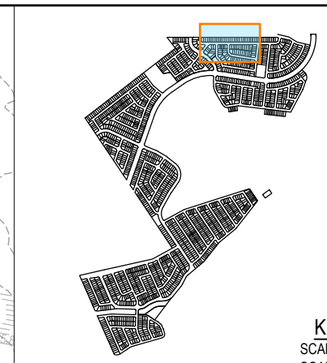
ROAD 01

ROAD 02

ROAD 06

ROAD 08

ROAD 09



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

REFER SHEET 01 FOR CONTINUATION

REFER SHEET 03 FOR CONTINUATION

REFER SHEET 04 & 05 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

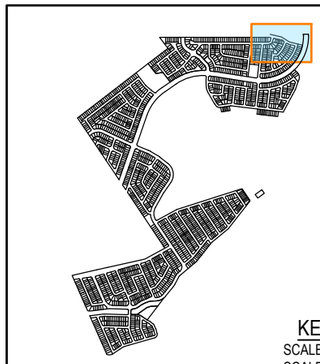
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 02 OF 26**

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

PLOT - 04 Dec 2024 03:32 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)

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

ROAD 06

ROAD 07

ROAD 05

ROAD 04

WYATT ROAD

PROPOSED 1 In 4 BATTER TO EXISTING

REFER SHEET 02 FOR CONTINUATION

REFER SHEET 05 & 06 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 03 OF 26**

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

PLOT - 04 Dec 2024 03:33 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 01 FOR CONTINUATION

REFER SHEET 09 FOR CONTINUATION

REFER SHEET 05 FOR CONTINUATION

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

ROAD 02

ROAD 11

ROAD 12

ROAD 18

ROAD 19

WYATT ROAD

REFER SHEET 09 & 11 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 04 OF 26**

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

PLOT - 04 Dec 2024 03:32 PM LOCATION - H:\23\02-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.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

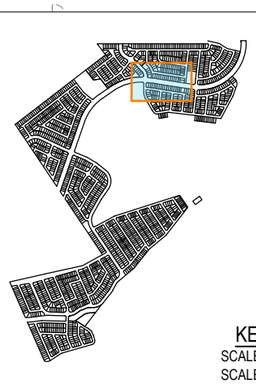
ROAD 08

WYATT ROAD

ROAD 15

ROAD 16

ROAD 17



KEY PLAN
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REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 05 OF 26**

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

PLOT: 04 Dec 2024 03:32 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 3 FOR CONTINUATION

REFER SHEET 02 & 05 FOR CONTINUATION

REFER SHEET 08 FOR CONTINUATION

ROAD 04
ROAD 05
ROAD 07
ROAD 14
ROAD 01
WYATT ROAD

PROPOSED 1 In 4 BATTER TO EXISTING

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 06 OF 26**

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

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REFER SHEET 04 & 05 FOR CONTINUATION

ROAD 01

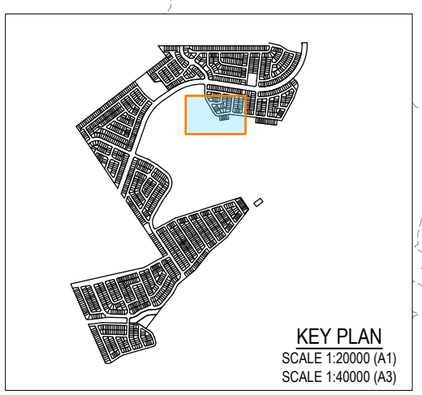
ROAD 15

ROAD 16

ROAD 17

PROPOSED 1 In 4 BATTER TO EXISTING

REFER SHEET 08 FOR CONTINUATION



KEY PLAN
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SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

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DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE
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CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 07 OF 26**

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

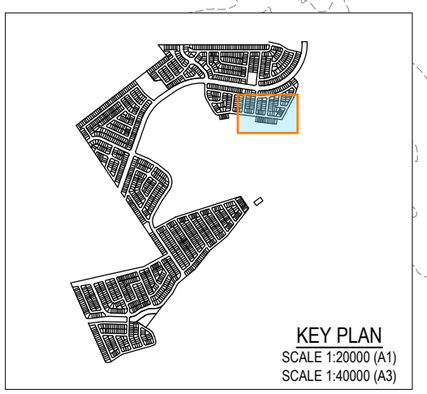
PLOT - 04 Dec 2024 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 05 & 06 FOR CONTINUATION

REFER SHEET 07 FOR CONTINUATION

ROAD 01
ROAD 07
ROAD 14
ROAD 15
ROAD 13

PROPOSED 1 In 4 BATTER
TO EXISTING



KEY PLAN
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SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 08 OF 26**

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

PLOT - 04 Dec 2024 03:32 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

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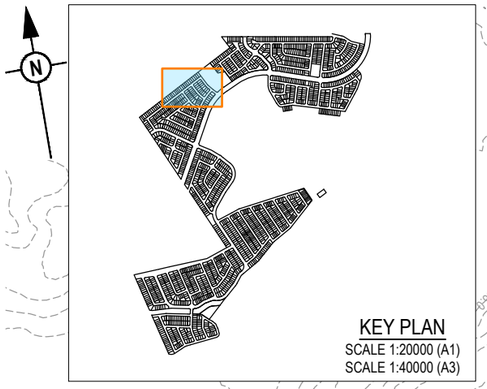

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

ROAD 18

ROAD 19

ROAD 20

ROAD 21

WYATT ROAD

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

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1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 09 OF 26**

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

LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg
PLOT - 04 Dec 2024 03:33 PM

REFER SHEET 09 FOR CONTINUATION

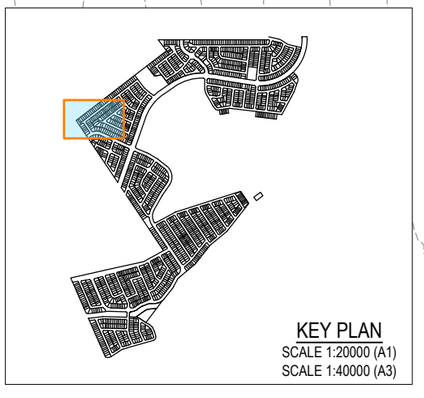
REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

ROAD 18

ROAD 19

ROAD 23



KEY PLAN
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SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 10 OF 26**

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

PLOT - 04 Dec 2024 03:33 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 04 & 09 FOR CONTINUATION

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 12 & 13 FOR CONTINUATION

ROAD 18

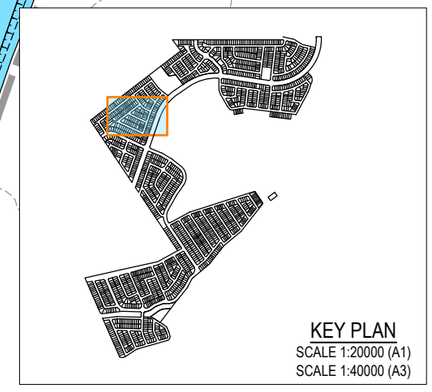
ROAD 19

ROAD 21

ROAD 22

ROAD 23

WYATT ROAD



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

1:100 1 0 1 2 3 4 5 A1

1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 11 OF 26**

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

PLOT - 04 Dec 2024 03:33 PM LOCATION - H:\23\23-0206 209 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 10 & 11 FOR CONTINUATION

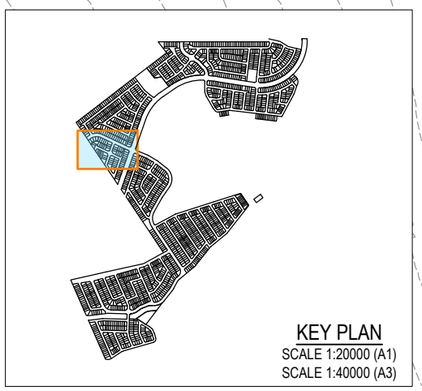
REFER SHEET 13 FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION

ROAD 23

ROAD 25

WYATT ROAD



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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 12 OF 26**

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

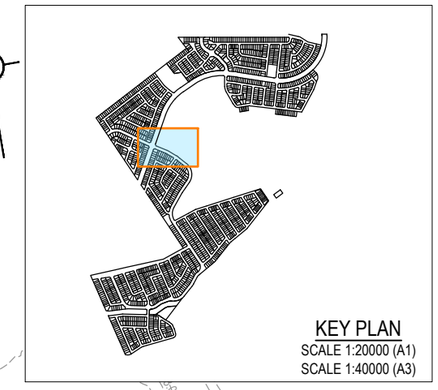
PLOT - 04 Dec 2024 03:33 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

REFER SHEET 7 FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION



WYATT ROAD

ROAD 23

ROAD 24

ROAD 26

ROAD 27

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

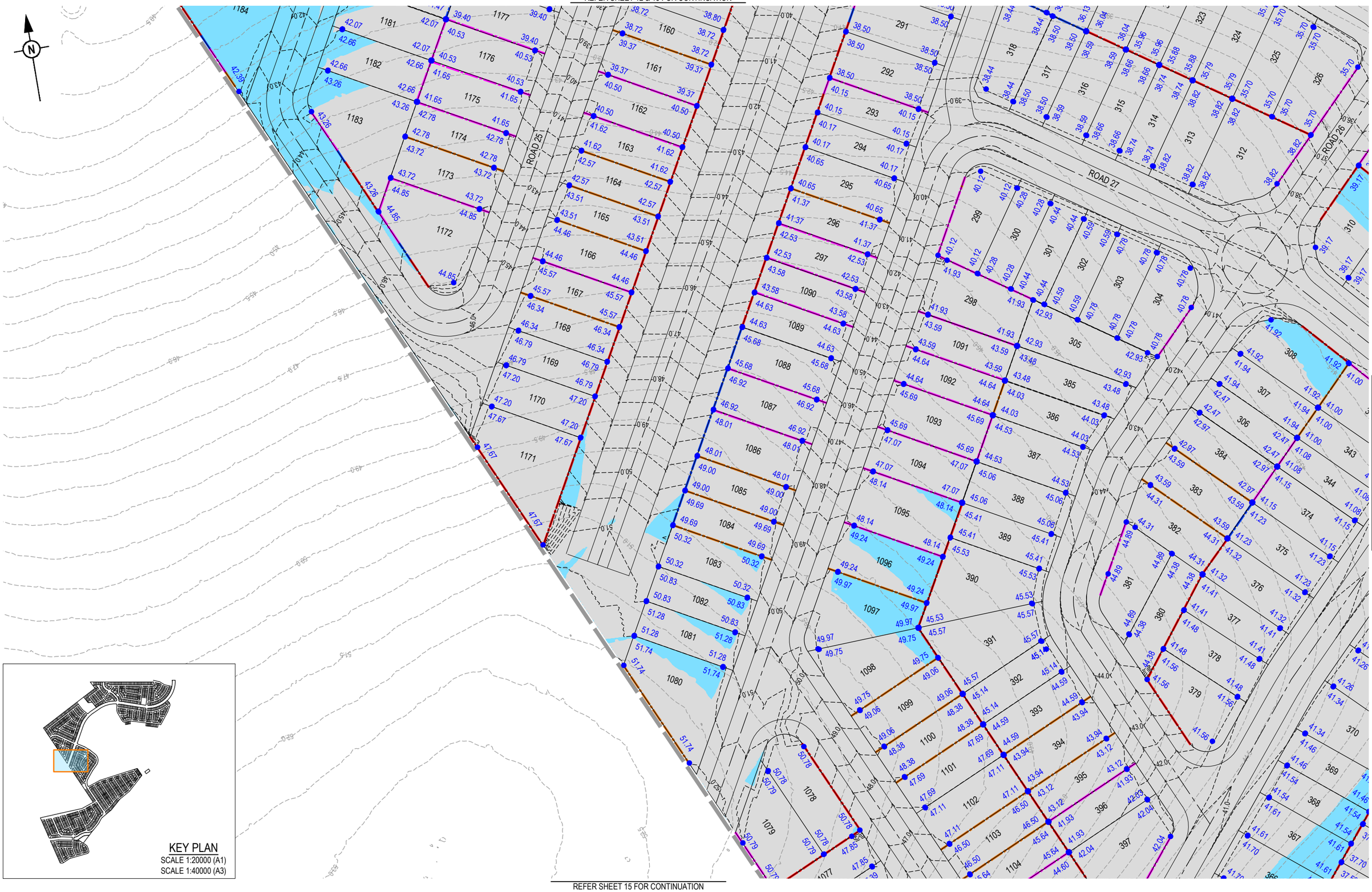
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 13 OF 26**

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

PLOT - 04 Dec 2024 03:33 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 15 FOR CONTINUATION

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

REFER SHEET 15 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 14 OF 26**

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

PLOT: 04 Dec 2024 03:34 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 13 FOR CONTINUATION

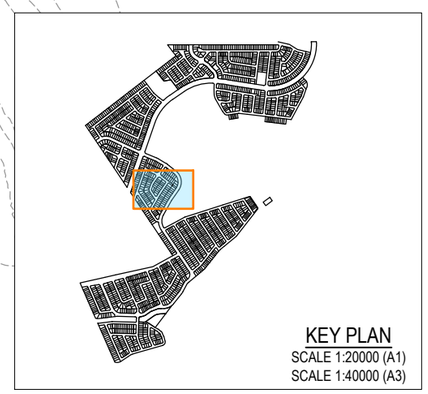
REFER SHEET 14 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION

ROAD 27

ROAD 24

PROPOSED 1 In 4 BATTER TO EXISTING



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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 15 OF 26**

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

PLOT - 04 Dec 2024 03:34 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 15 FOR CONTINUATION

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

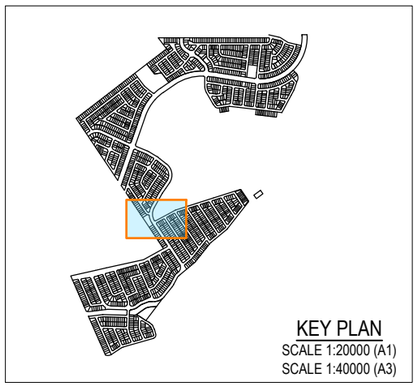
ROAD 28

ROAD 29

ROAD 30

ROAD 31

ROAD 24



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

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 17 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 16 OF 26**

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

PLOT: - 04 Dec 2024 03:34 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 18 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION

REFER SHEET 18 FOR CONTINUATION

REFER SHEET 19 FOR CONTINUATION

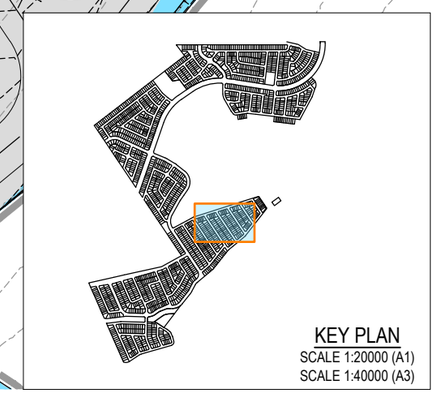
ROAD 29

ROAD 31

ROAD 32

ROAD 33

ROAD 34



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A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

1:100 1 0 1 2 3 4 5 A1

1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 17 OF 26**

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

PLOT - 04 Dec 2024 03:34 PM LOCATION - H:\23\2-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

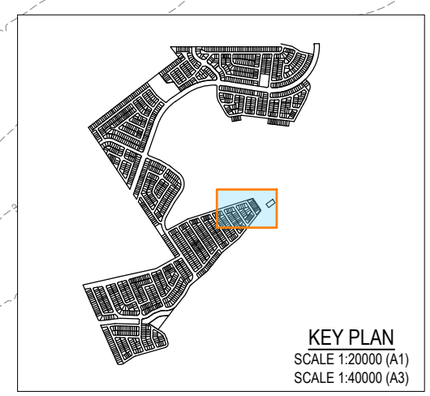
PROPOSED 1 In 4 BATTER TO EXISTING

ROAD 29

ROAD 34

ROAD 33

REFER SHEET 17 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 18 OF 26**

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

PLOT: 04 Dec 2024 03:35 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 16 & 17 FOR CONTINUATION

REFER SHEET 20 FOR CONTINUATION

ROAD 29

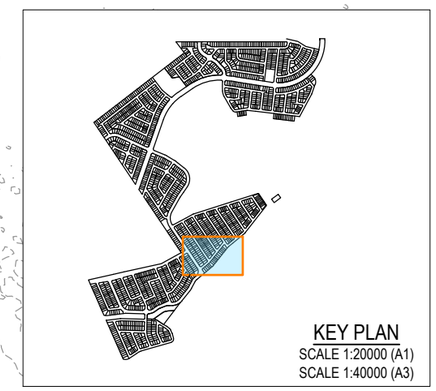
ROAD 35

ROAD 30

ROAD 24

ROAD 31

PROPOSED 1 In 4 BATTER TO EXISTING



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

REFER SHEET 22 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

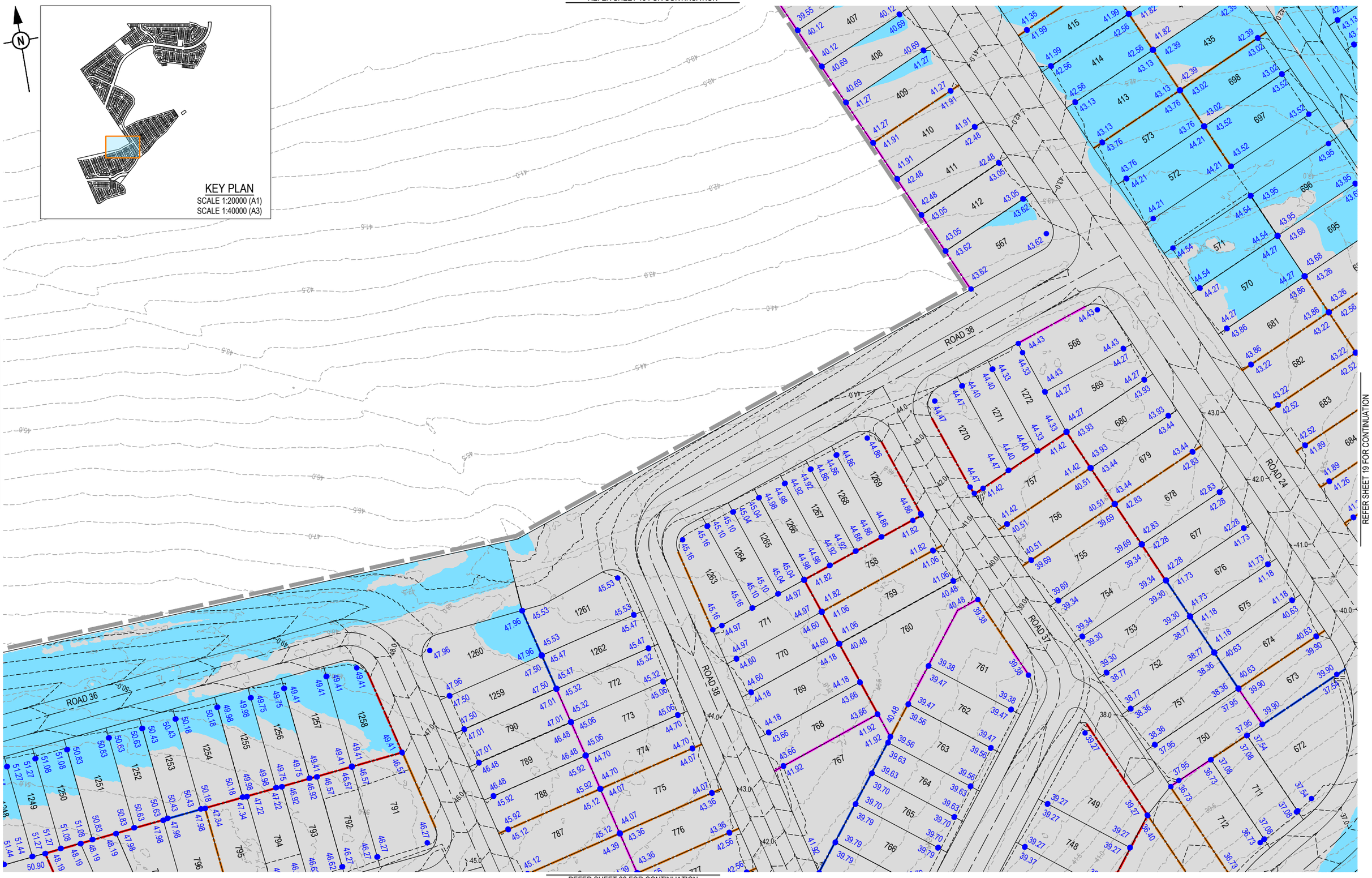
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 19 OF 26**

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

PLOT - 04 Dec 2024 03:35 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

SCALE

1:100 1 0 1 2 3 4 5 A1
1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

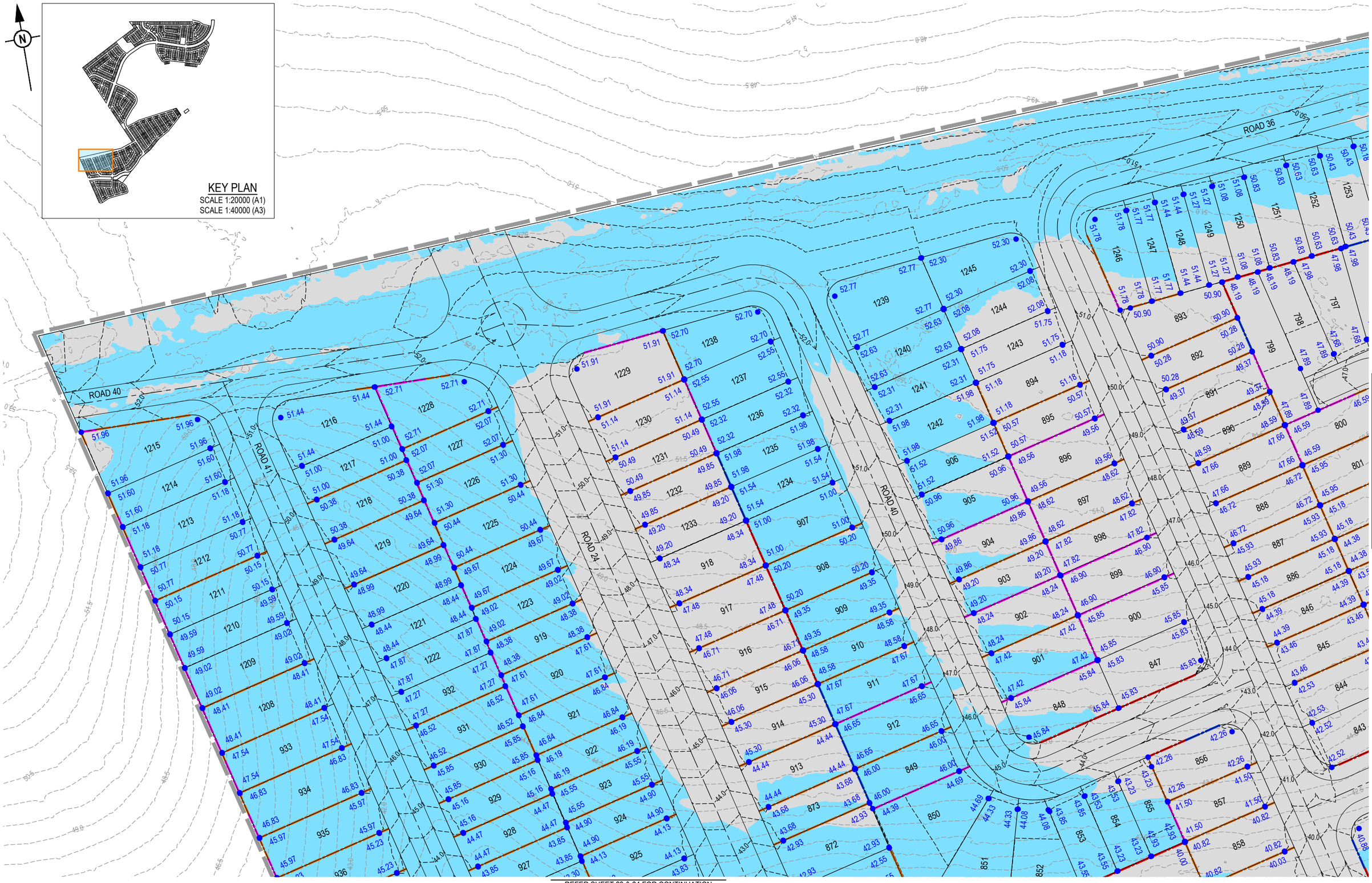
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 20 OF 26**

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

PLOT - 04 Dec 2024 03:35 PM LOCATION - H:\23\23-0206\28 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

1:100 1 0 1 2 3 4 5 A1
1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 21 OF 26**

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

PLOT - 04 Dec 2024 03:35 PM LOCATION - H:\2023\0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

ROAD 39

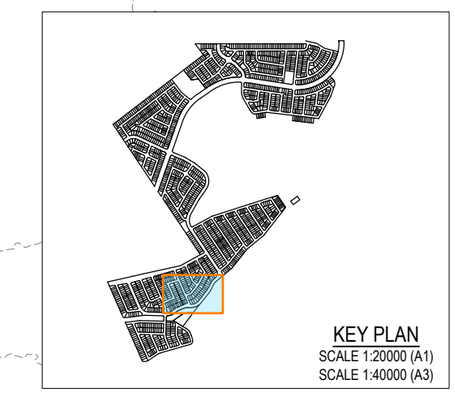
ROAD 37

ROAD 24

ROAD 36

PROPOSED 1 In 4 BATTER TO EXISTING

REFER SHEET 24 FOR CONTINUATION



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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 22 OF 26**

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

PLOT - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Assd\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 21 & 22 FOR CONTINUATION

ROAD 41

ROAD 24

ROAD 36

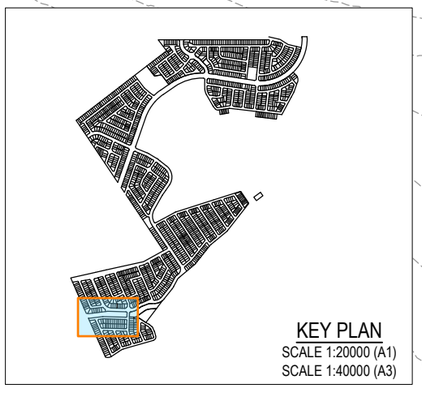
ROAD 56

ROAD 43

ROAD 42

ROAD 44

PROPOSED 1 In 4 BATTER TO EXISTING



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

REFER SHEET 24 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 23 OF 26**

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

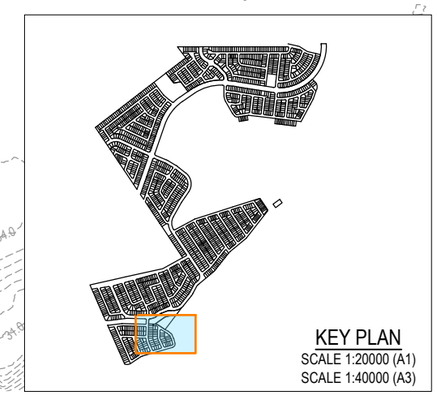
PLOT - 04 Dec 2024 03:36 PM LOCATION - H:\2023\0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 22 FOR CONTINUATION

REFER SHEET 23 FOR CONTINUATION

ROAD 24
ROAD 56
ROAD 43
ROAD 44
ROAD 45
ROAD 36
ROAD 42

PROPOSED 1 In 4 BATTER TO EXISTING



KEY PLAN
SCALE 1:20000 (A1)
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REFER SHEET 25 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

Colliers

SCALE
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1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

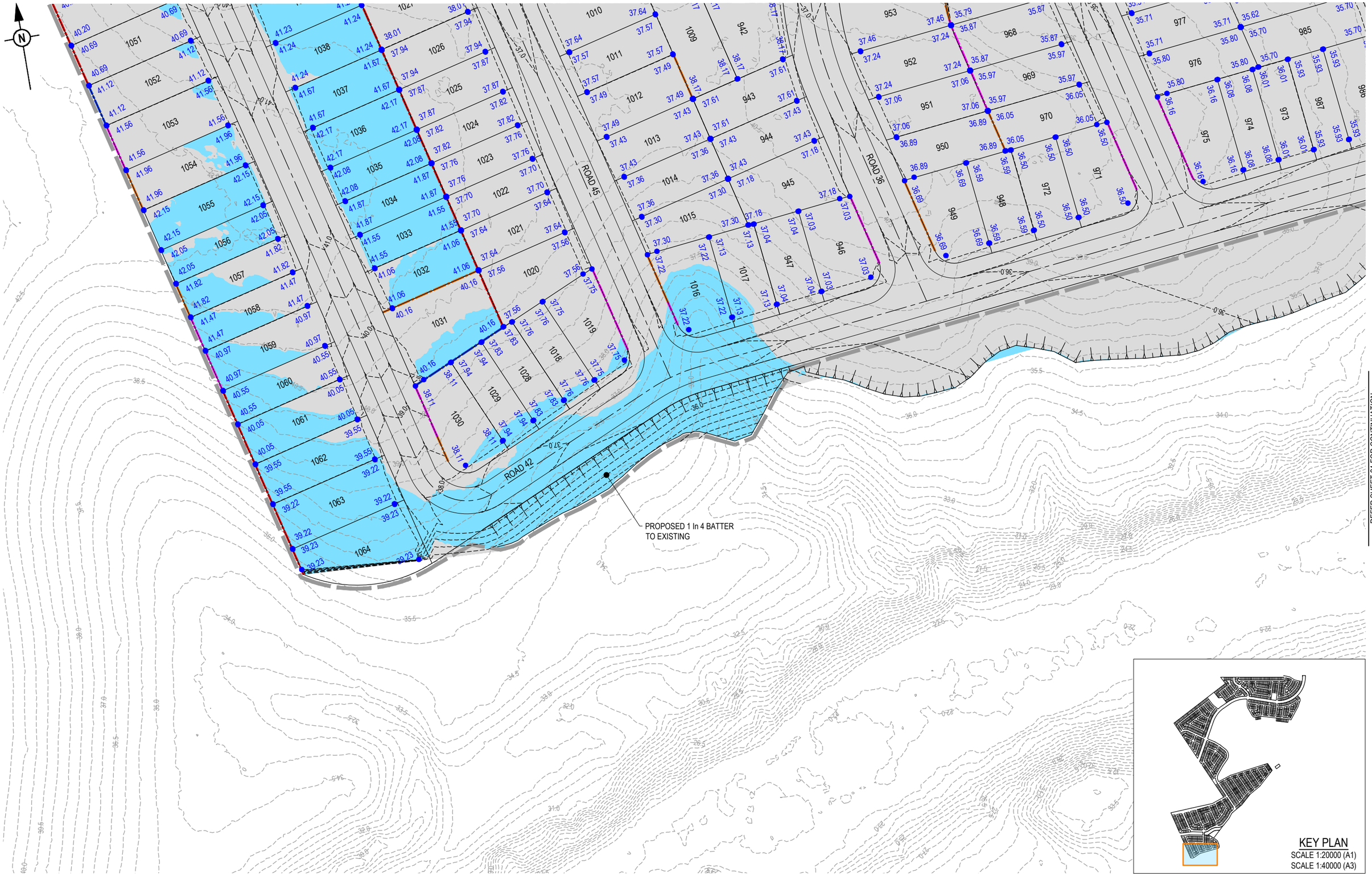
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 24 OF 26**

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

PLOT - 04 Dec 2024 03:35 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg

REFER SHEET 23 & 24 FOR CONTINUATION



REFER SHEET 24 FOR CONTINUATION

KEY PLAN
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SCALE 1:40000 (A3)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

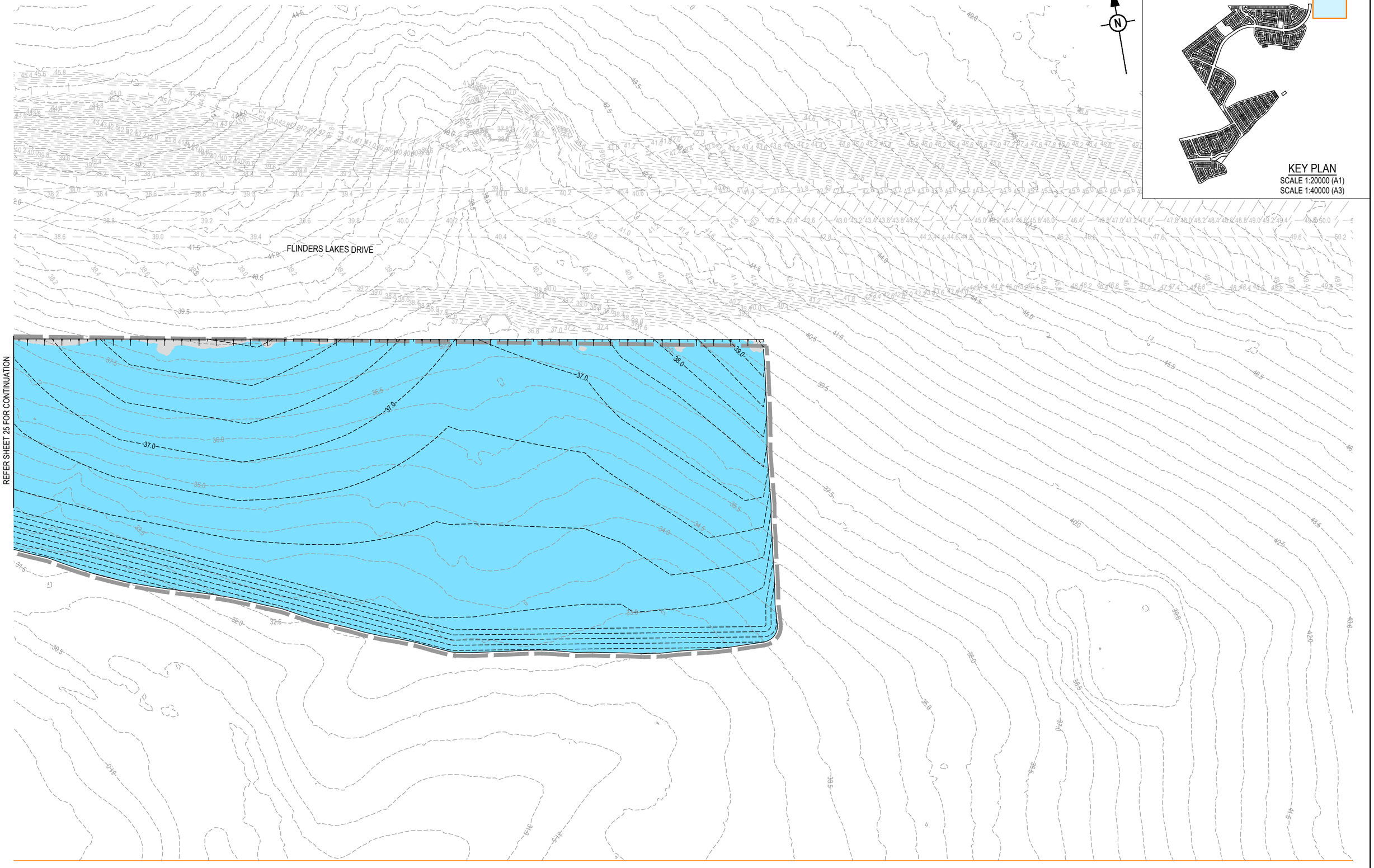
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS LAYOUT PLAN SHEET 25 OF 26**

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

PLOT - 04 Dec 2024 03:36 PM LOCATION - H:\23\0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1105-CONCEPT EARTHWORKS.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

1:100 1 0 1 2 3 4 5 A1

1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

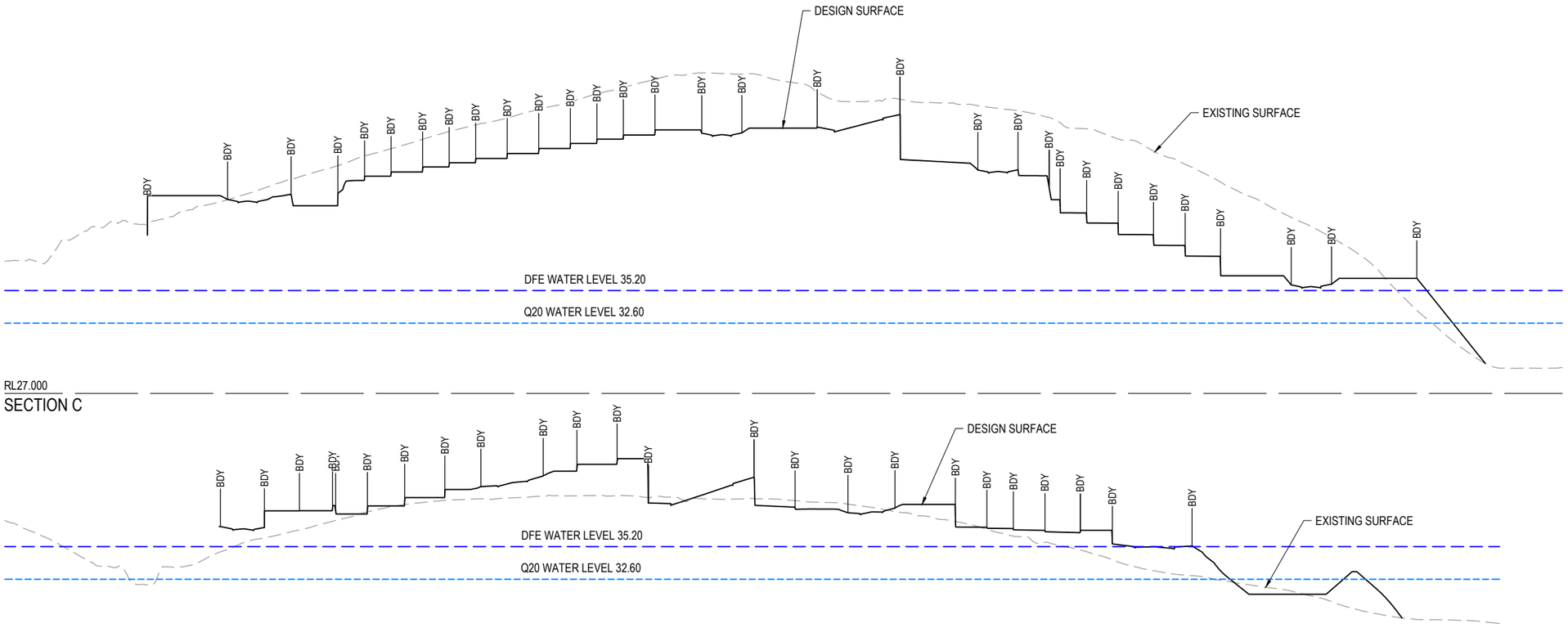
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

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

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

PLOT - 04 Dec 2024 03:36 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

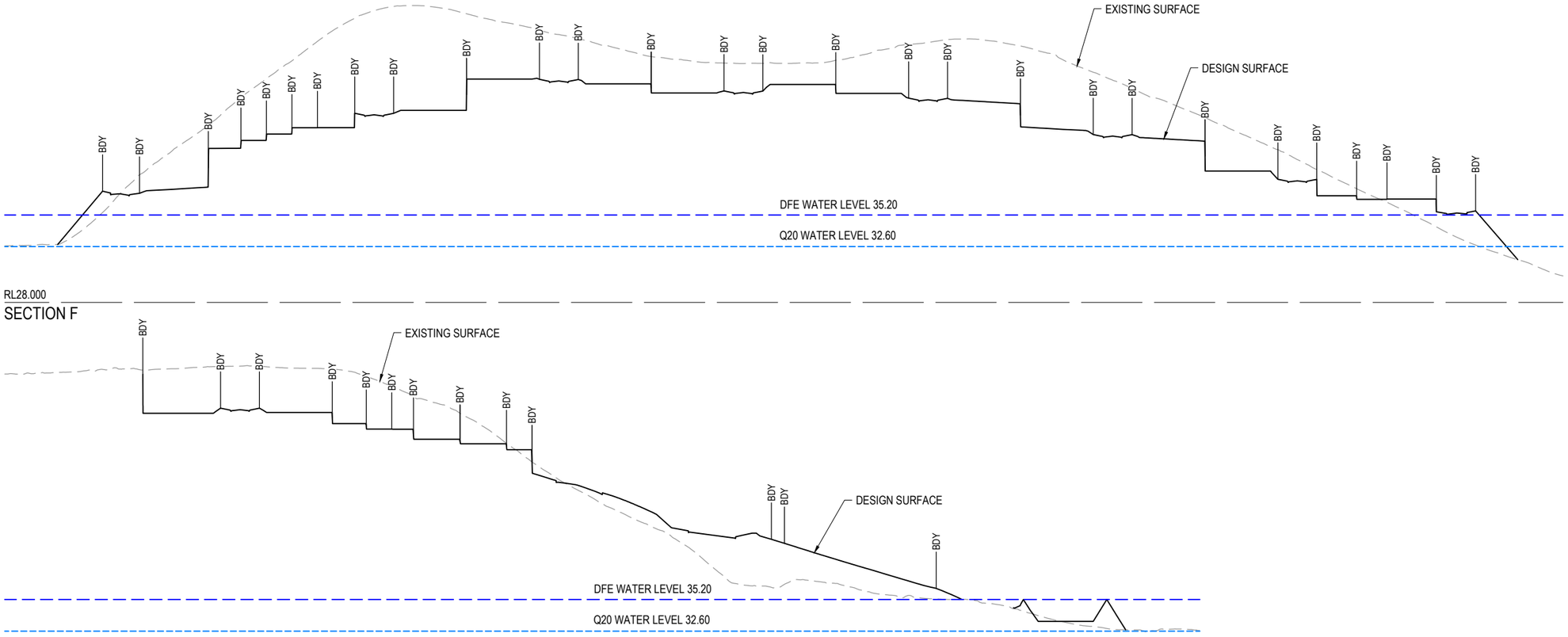
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 01 OF 05**

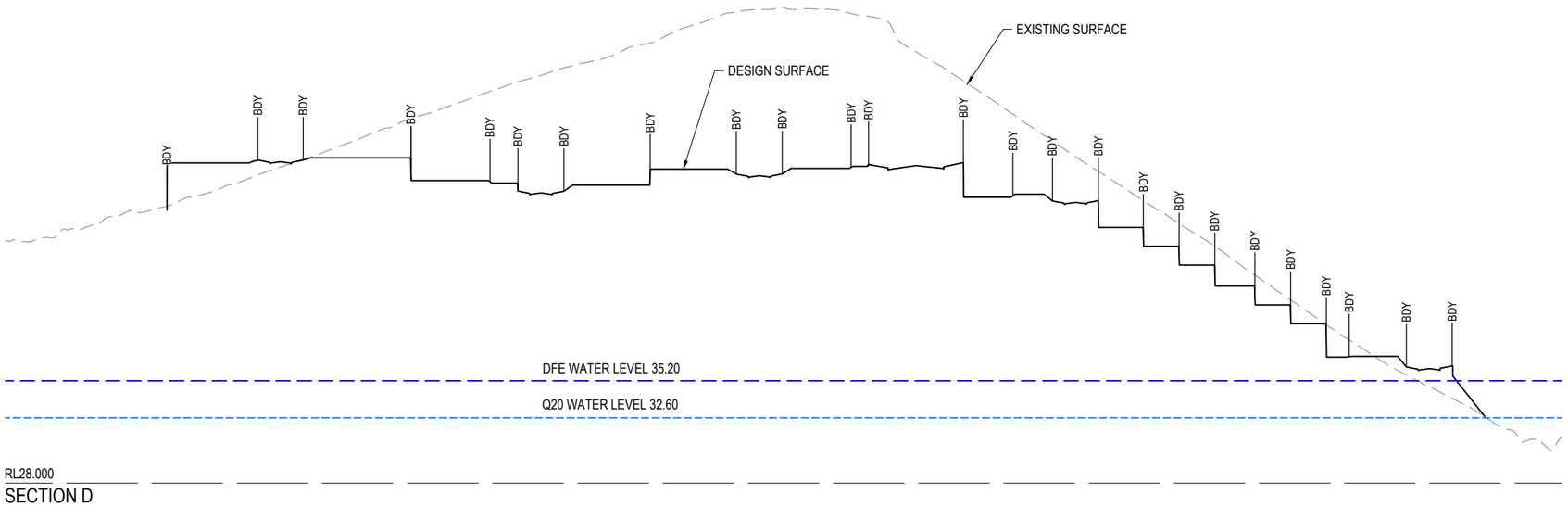
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1150	A

PLOT - 04 Dec 2024 03:50 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1150-CONCEPT EW SECTIONS.dwg



SECTION F

SECTION E



SECTION D

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

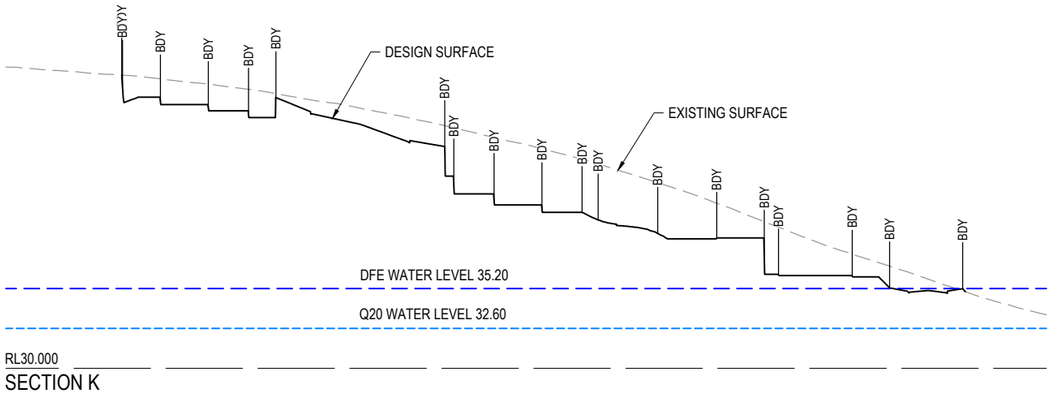
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

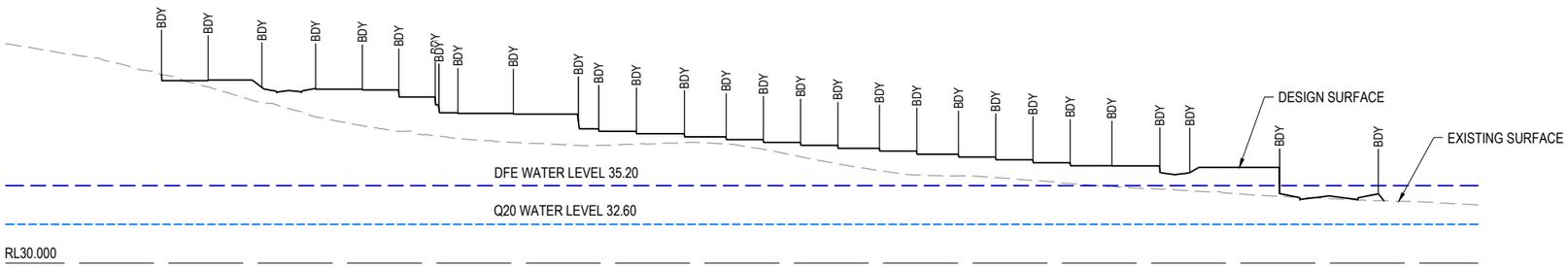
DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 02 OF 05**

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

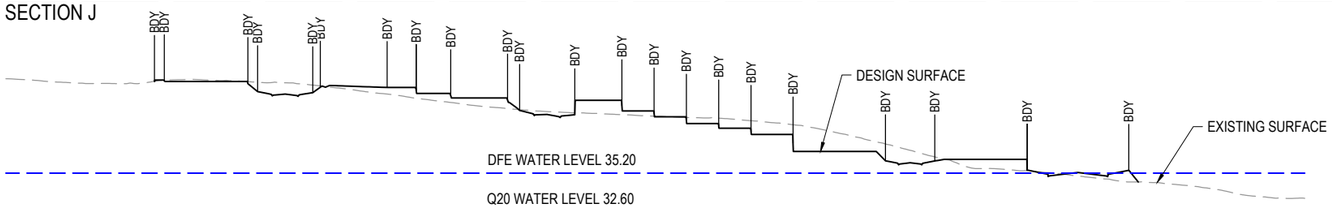
PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1150-CONCEPT EW SECTIONS.dwg



SECTION K



SECTION J



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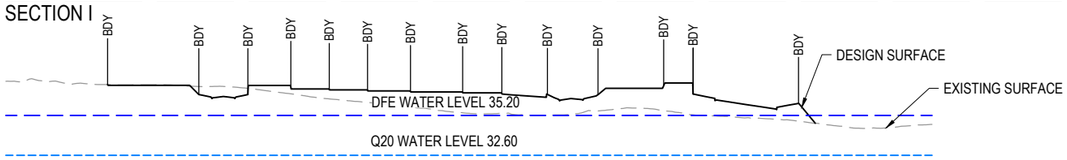

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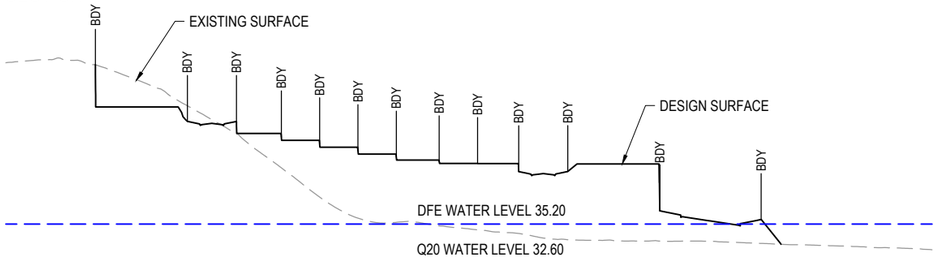


SECTION G

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

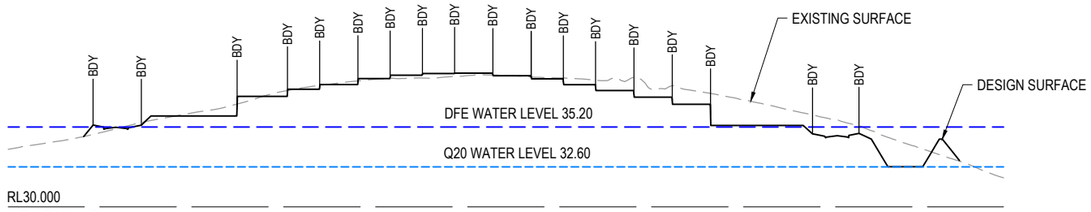
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 03 OF 05**

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

PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1152-CONCEPT EW SECTIONS.dwg



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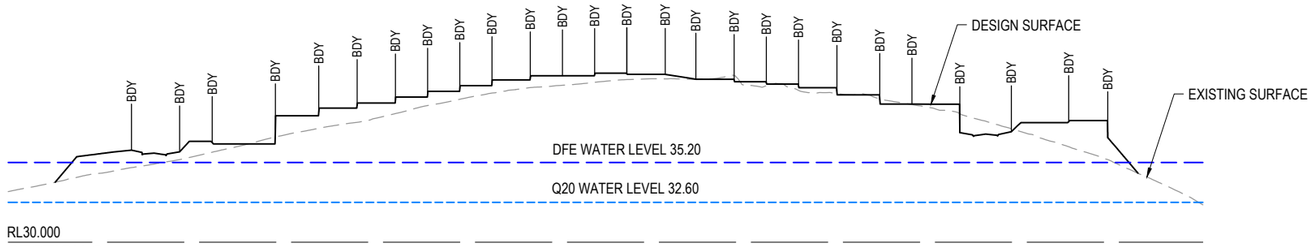

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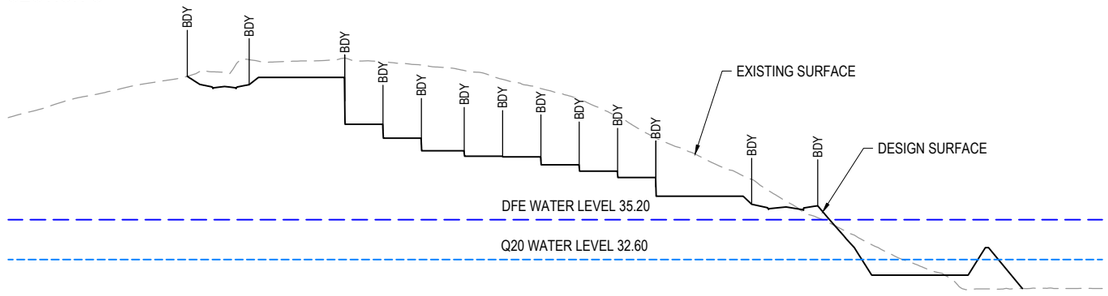

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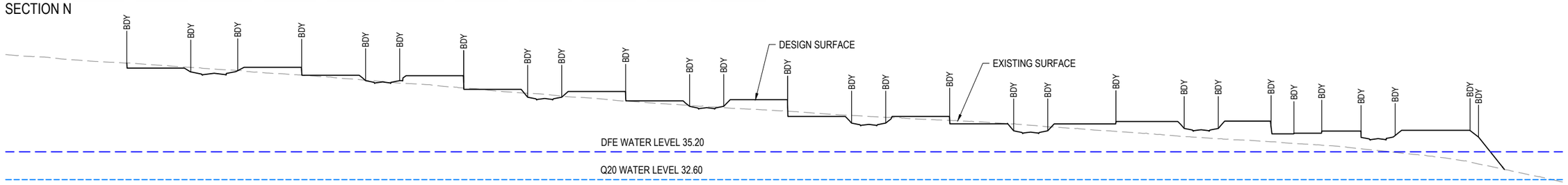

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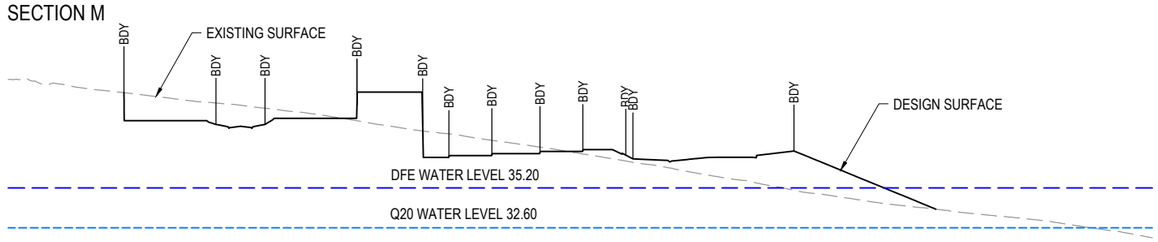


SECTION L

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

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

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

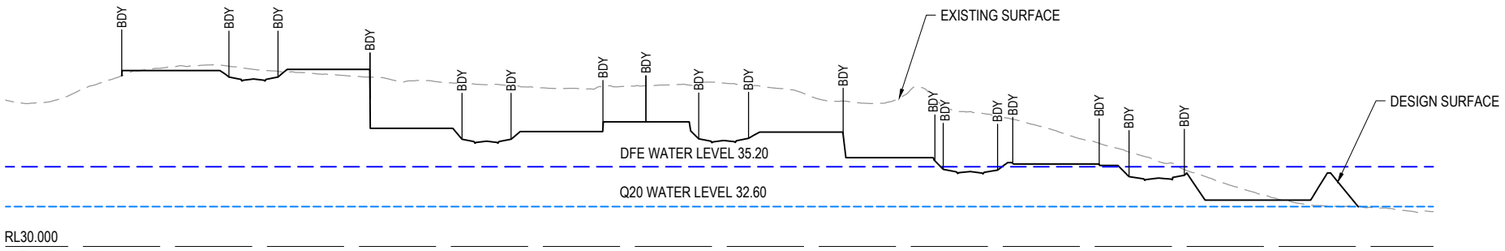
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

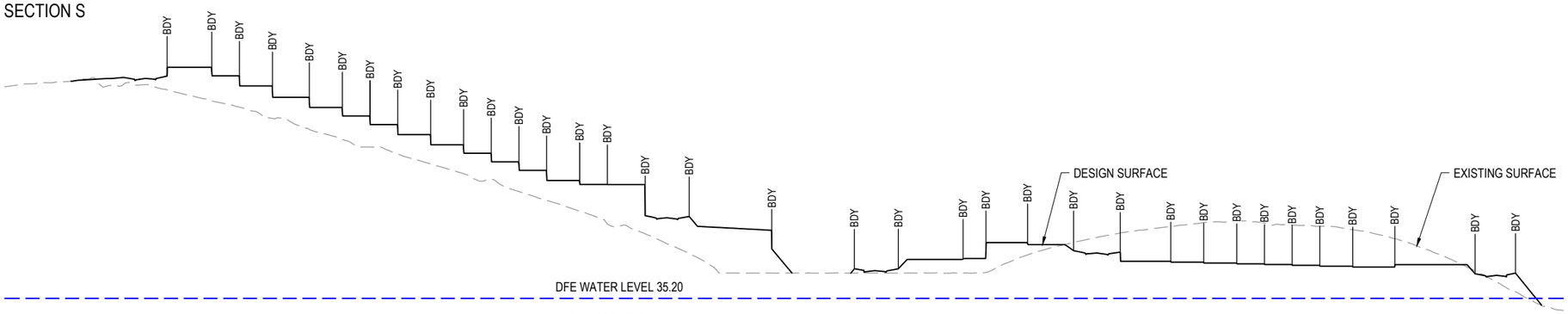
DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 04 OF 05**

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

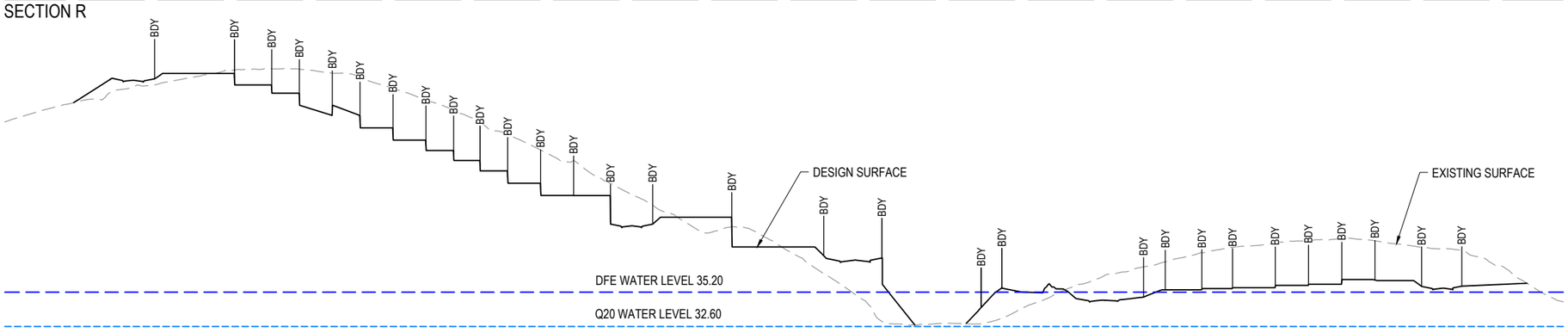
PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1153-CONCEPT EW SECTIONS.dwg



SECTION S



SECTION R



SECTION Q

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

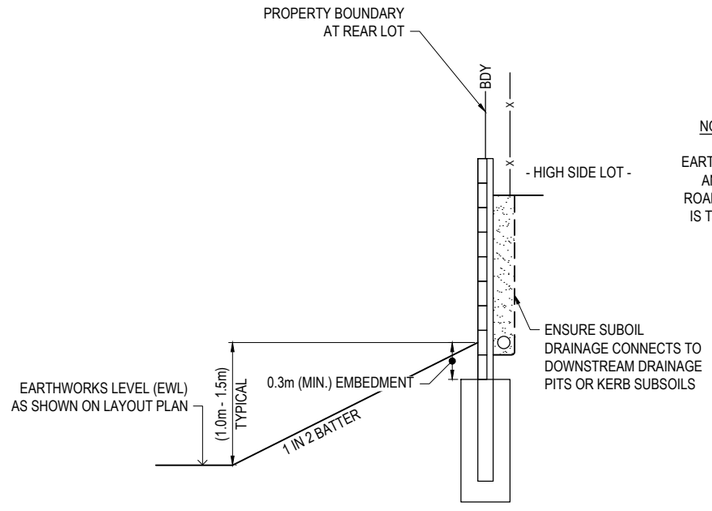
DRAWING TITLE: **CONCEPT BULK EARTHWORKS TYPICAL SECTIONS SHEET 05 OF 05**

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

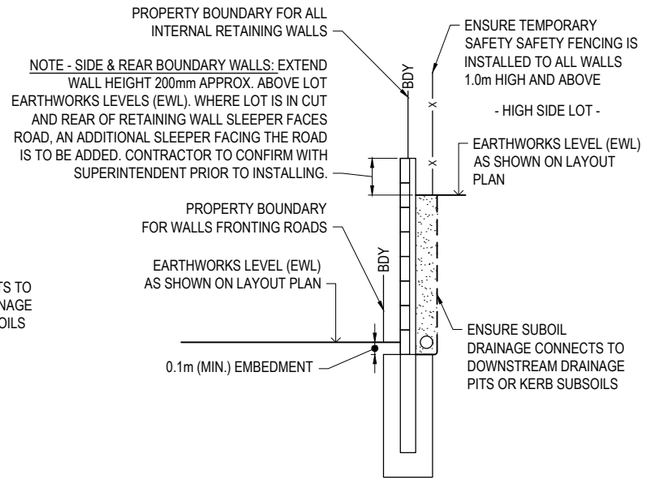
PLOT: 04 Dec 2024 03:37 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1150-CONCEPT EW SECTIONS.dwg

RETAINING WALL NOTES:

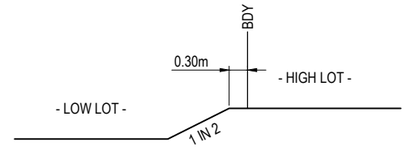
1. ALL RETAINING WALLS ARE TO BE DELIVERED UNDER DESIGN AND CONSTRUCTION ARRANGEMENT - FORMS 15 AND 12 CERTIFICATIONS ARE TO BE PROVIDED BY THE CONTRACTOR.
2. DESIGN OF WALLS TO CONSIDER ALL LOADS (FENCES, DWELLINGS ETC) AS WELL AS ASSOCIATED IMPACTS FROM ANY ADJACENT SERVICES - FOOTING DEPTHS TO BE 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.



CONCRETE SLEEPER RETAINING WALL
REAR LOT TYPICAL DETAIL
N.T.S



CONCRETE SLEEPER RETAINING WALL
TYPICAL DETAIL
N.T.S



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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT BULK EARTHWORKS TYPICAL DETAILS**

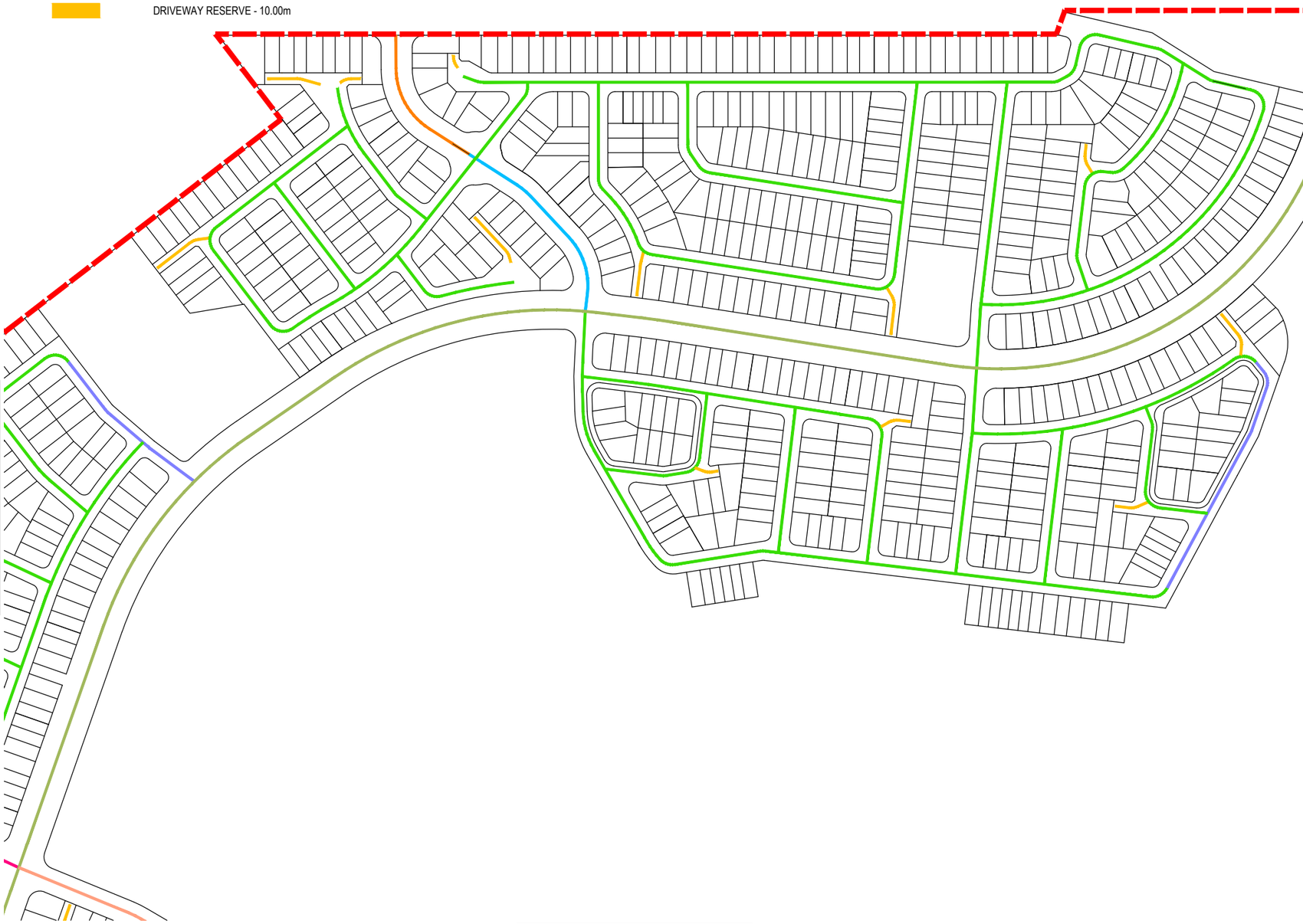
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1155	A

PLOT - 04 Dec 2024 03:51 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1150-CONCEPT EW SECTIONS.dwg

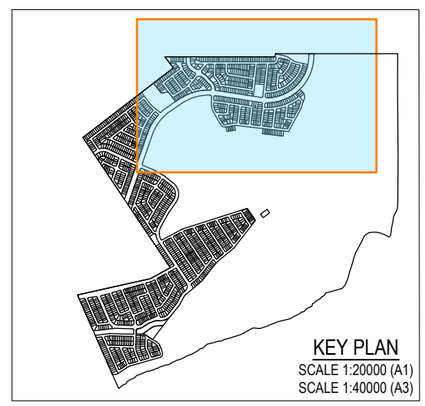
LEGEND:

- 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

FLINDERS LAKES DRIVE



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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED

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

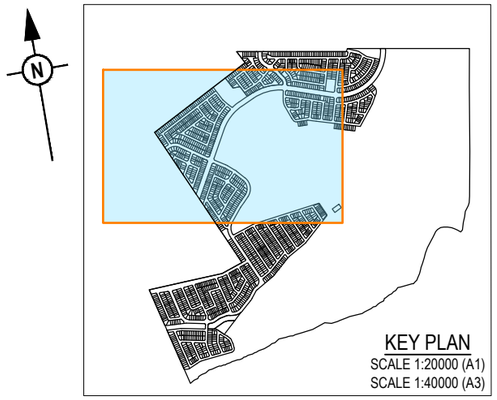
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROAD TYPES LAYOUT PLAN SHEET 01 OF 03**

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

PLOT - 04 Dec 2024 04:17 PM LOCATION - H:\20\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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

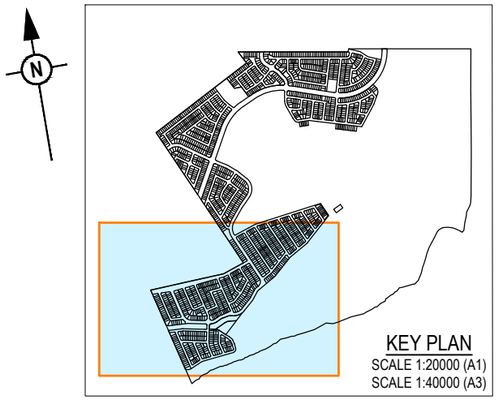
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROAD TYPES LAYOUT PLAN SHEET 02 OF 03**

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

PLOT - 04 Dec 2024 03:37 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 2 FOR CONTINUATION

REFER SHEET 2 FOR CONTINUATION

WOOLAMAN CREEK

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

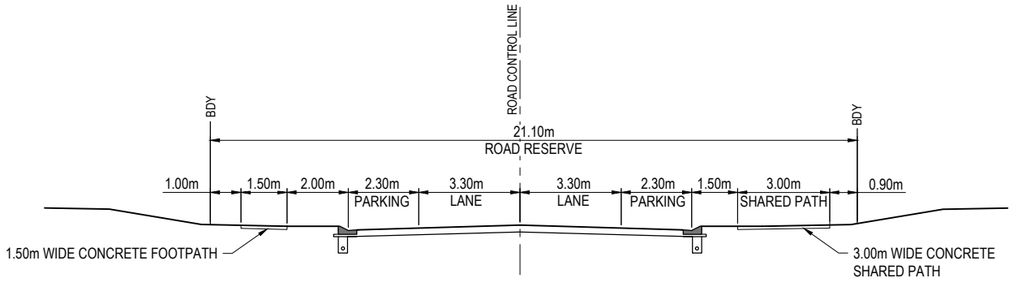
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

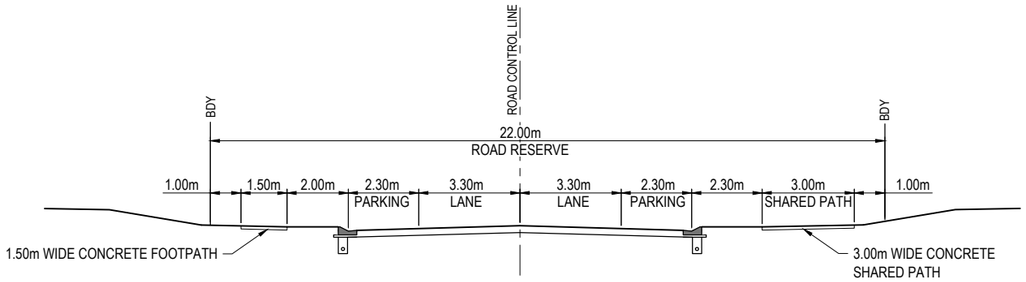
DRAWING TITLE: **CONCEPT ROAD TYPES LAYOUT PLAN SHEET 03 OF 03**

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

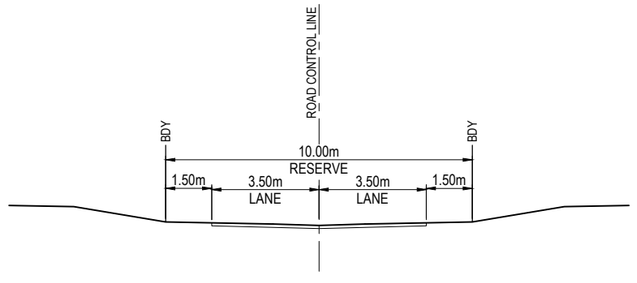
PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1200-CONCEPT ROAD HIERARCHY & TYP SECTIONS.dwg



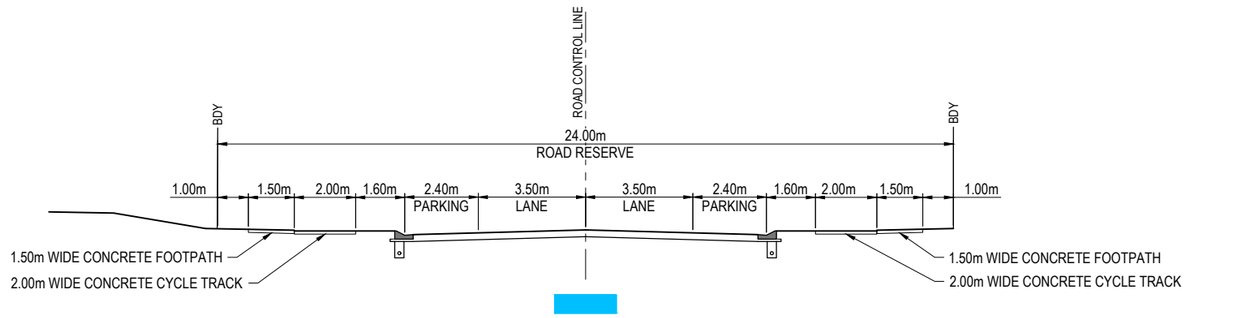
NEIGHBOURHOOD CONNECTOR : 2 LANE WITH PARKING



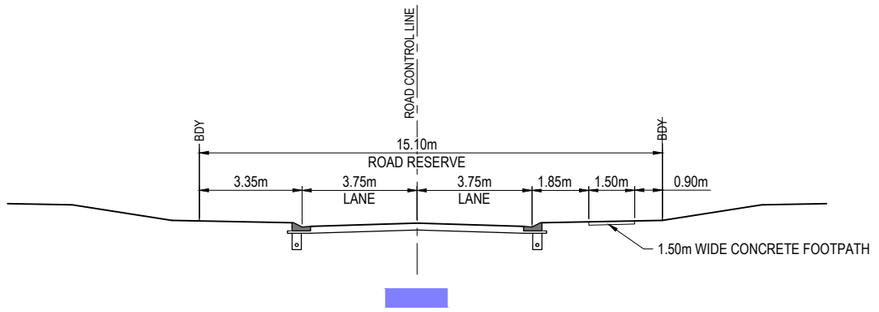
NEIGHBOURHOOD CONNECTOR : 2 LANE WITH PARKING



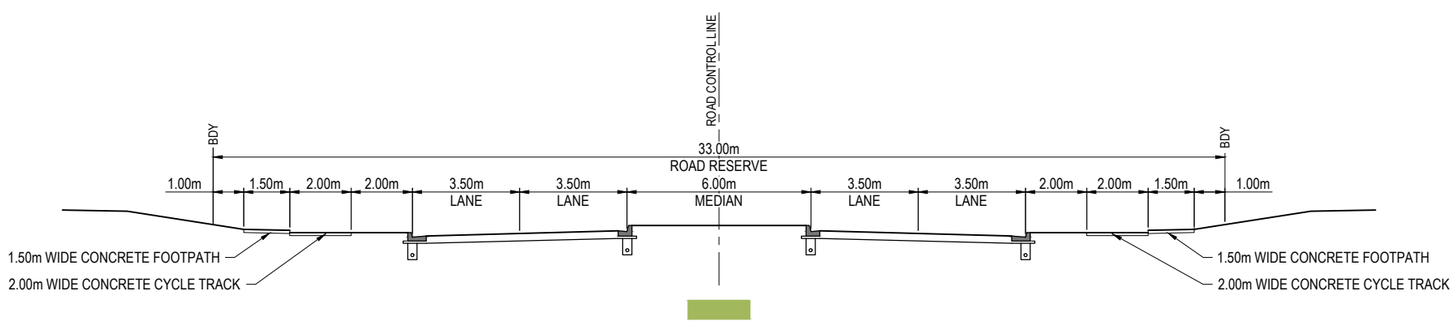
DRIVEWAY (TYPICAL)



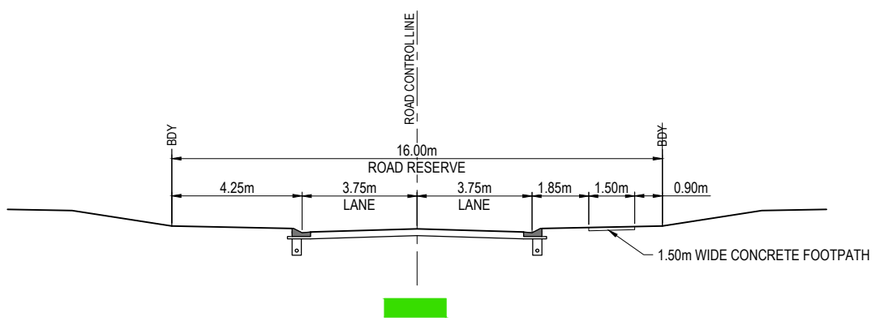
TRUNK CONNECTOR : 2 LANE WITH PARKING



NEIGHBOURHOOD ACCESS STREET (TYPICAL)



TRUNK COLLECTOR : 4 LANE WITH MEDIAN (NO PARKING)



NEIGHBOURHOOD ACCESS STREET (TYPICAL)

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

Colliers

SCALE

1:100 1 0 1 2 3 4 5 A1

1:200 A3

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

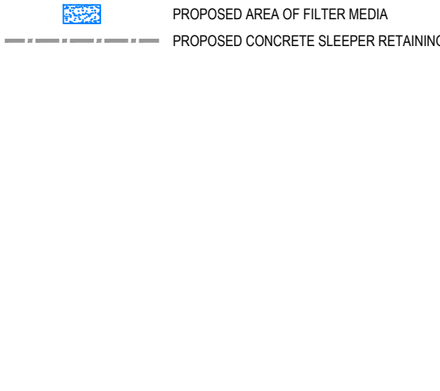
DRAWING TITLE: **CONCEPT ROAD TYPICAL SECTIONS**

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

PLOT - 04 Dec 2024 03:37 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
- PROPOSED ROAD CONTROL LINE
- PROPOSED NEW ROAD PAVEMENT
- 45.0 PROPOSED SURFACE CONTOUR
- 50.0 EXTERNAL DESIGN CONTOUR (FLINDERS LAKE DRIVE BY OTHERS)
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED STORMWATER DRAINAGE SWALE
- PROPOSED CONCRETE PATH AND PRAM RAMP
- PROPOSED CONCRETE BICYCLE TRACK
- PROPOSED AREA OF FILTER MEDIA
- PROPOSED CONCRETE SLEEPER RETAINING WALL



EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

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

ROAD 01

ROAD 02

ROAD 10

ROAD 12

REFER SHEET02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

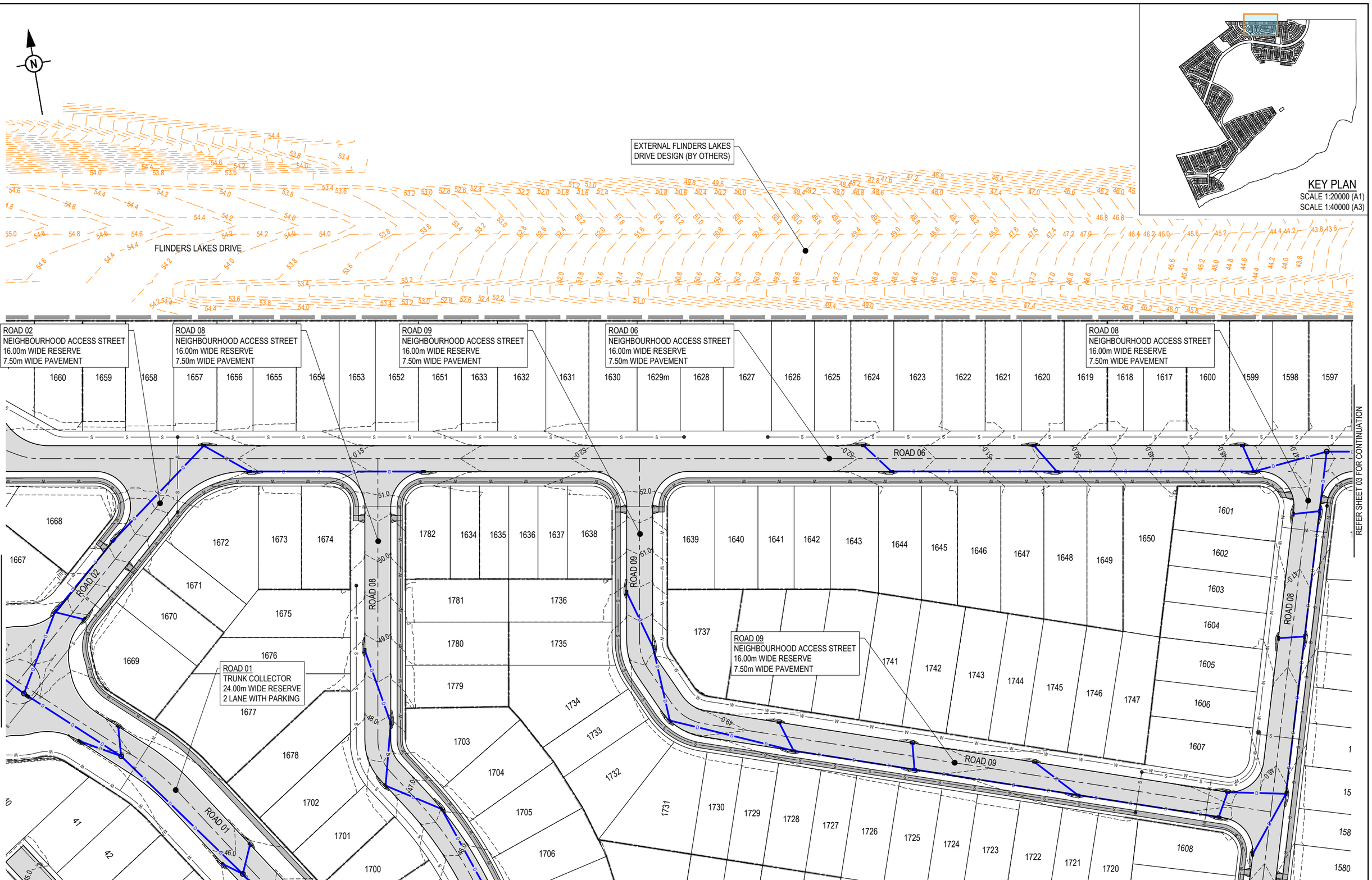
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 01 OF 25**

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

PLOT: 04 Dec 2024 03:37 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWKD.dwg



KEY PLAN

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

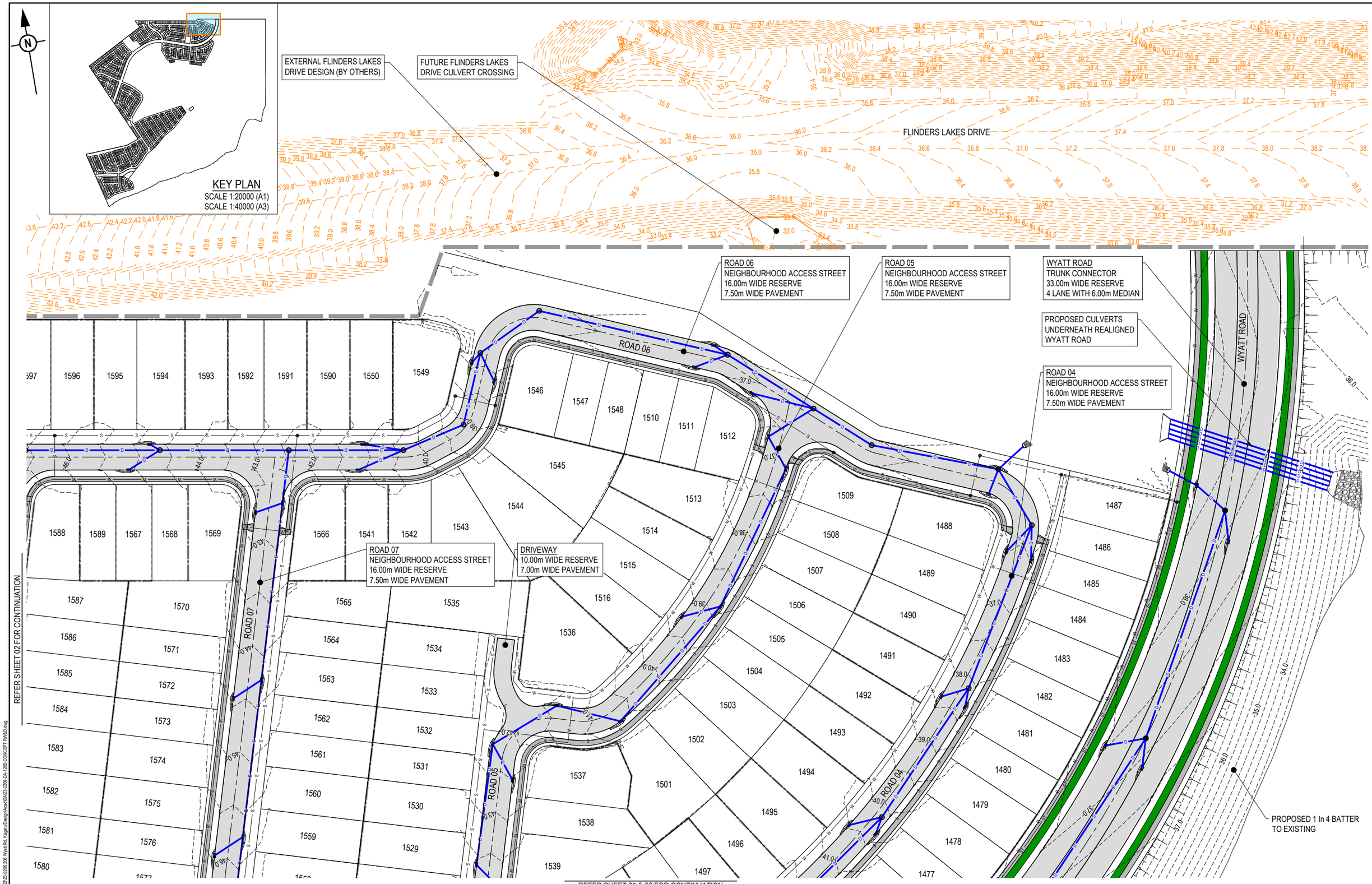
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 02 OF 25**

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

PLOT - 04 Dec 2024 03:37 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 03 OF 25**

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

PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Assets\DA\23-0206-DA-1205-CONCEPT RWMD.dwg

REFER SHEET 01 FOR CONTINUATION

REFER SHEET 09 FOR CONTINUATION

REFER SHEET 05 FOR CONTINUATION

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

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

PROPOSED 1 In 4 BATTER
TO EXISTING

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

ROAD 11
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

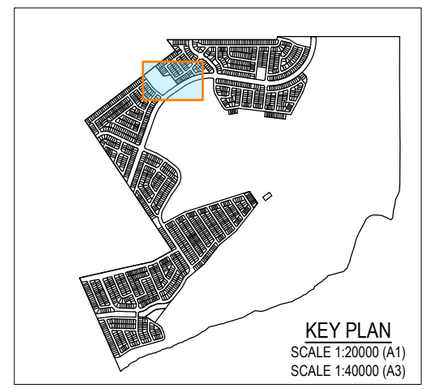
ROAD 12
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

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

PROPOSED CULVERTS
UNDERNEATH REALIGNED
WYATT ROAD

PROPOSED 1 In 4 BATTER
TO EXISTING



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

REFER SHEET 09 & 11 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 04 OF 25**

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

PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1208-CONCEPT RWAD.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

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 17
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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 05 OF 25**

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

PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWBD.dwg

REFER SHEET 3 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 14
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 04
ROAD 07
WYATT ROAD
ROAD 14
ROAD 13
ROAD 01

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

REFER SHEET 02 & 05 FOR CONTINUATION

REFER SHEET 08 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 06 OF 25**

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

PLOT: 04 Dec 2024 03:37 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 04 & 05 FOR CONTINUATION

ROAD 17
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

BASIN 01

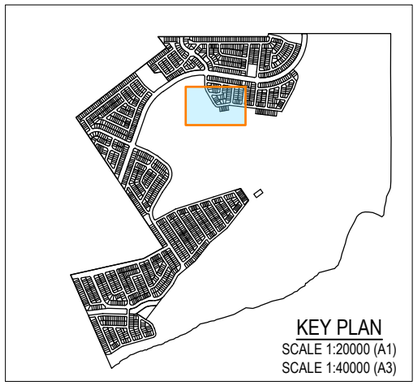
ROAD 01
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

PROPOSED 1 In 4 BATTER
TO EXISTING

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

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

REFER SHEET 08 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 07 OF 25**

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

PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT RWAD.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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

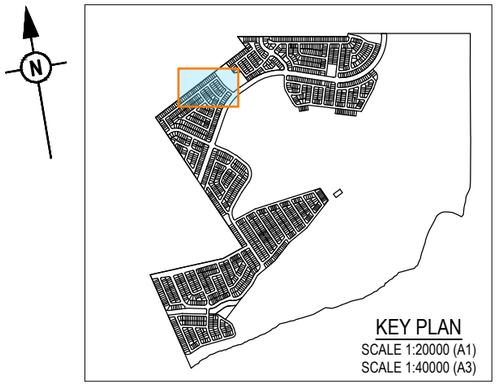
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 08 OF 25**

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

PLOT - 04 Dec 2024 03:37 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 04 FOR CONTINUATION



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

ROAD 18
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 19
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

REFER SHEET 10 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 09 OF 25**

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

PLOT: 04 Dec 2024 03:37 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

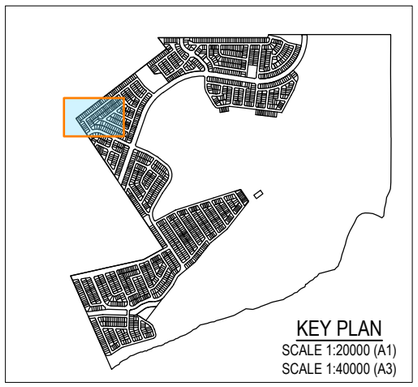
ROAD 18
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

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



REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RW&D.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

ROAD 23
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

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

REFER SHEET 12 & 13 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\2023-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWMD.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

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

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

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

REFER SHEET 14 & 15 FOR CONTINUATION

REFER SHEET 13 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

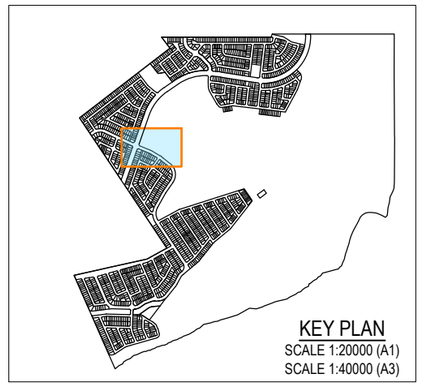
PROJECT NAME: **KAGARU**
208 WYATT ROAD
KAGARU

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

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

PLOT - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1105-CONCEPT RWAD.dwg

REFER SHEET 11 FOR CONTINUATION



REFER SHEET 12 FOR CONTINUATION

REFER SHEET ? FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

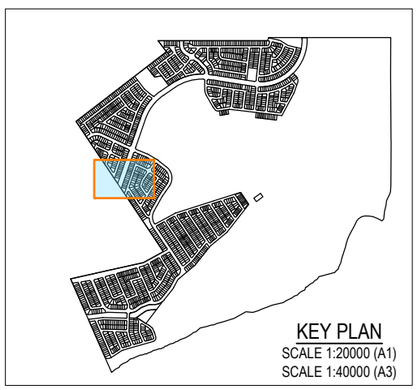
DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 13 OF 25**

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

PLOT - 04 Dec 2024 03:38 PM LOCATION - H:\23\0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1105-CONCEPT RWMD.dwg

REFER SHEET 12 & 13 FOR CONTINUATION

REFER SHEET 15 FOR CONTINUATION



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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\22\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWBD.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

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 27
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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 209 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWA0.dwg

REFER SHEET 15 FOR CONTINUATION

PROPOSED 1 In 4 BATTER TO EXISTING

PROPOSED 1 In 4 BATTER TO EXISTING

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

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

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

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

PROPOSED CULVERTS UNDERNEATH ROAD 24

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

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

REFER SHEET 17 FOR CONTINUATION

REFER SHEET 19 & 20 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RW&D.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWSD.dwg

REFER SHEET 16 & 17 FOR CONTINUATION

REFER SHEET 20 FOR CONTINUATION

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

PROPOSED 1 In 4 BATTER
TO EXISTING

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

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

DRIVEWAY
10.00m WIDE RESERVE
7.00m WIDE PAVEMENT

BASIN 05

REFER SHEET 22 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

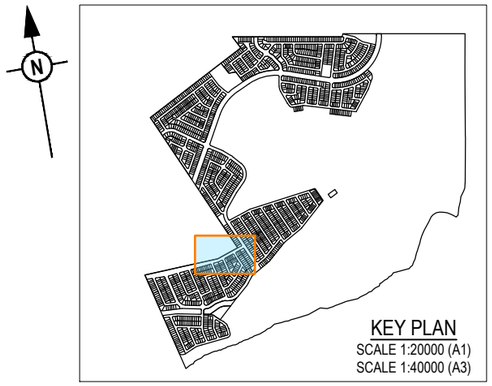
DRAWING TITLE: **CONCEPT ROADWORKS AND DRAINAGE LAYOUT PLAN SHEET 19 OF 25**

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

PLOT - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1206-CONCEPT RWAD.dwg

REFER SHEET 16 FOR CONTINUATION

REFER SHEET 21 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 22 FOR CONTINUATION

REFER SHEET 19 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWSD.dwg

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 21 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 36
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 38
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

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

BASIN 03

PROPOSED 1 In 4 BATTER
TO EXISTING

REFER SHEET 24 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1226-CONCEPT RWAD.dwg

REFER SHEET 21 & 22 FOR CONTINUATION

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

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

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 41
ROAD 24
ROAD 36
ROAD 56
ROAD 43
ROAD 42
ROAD 44
ROAD 45

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

REFER SHEET 24 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: FOR APPROVAL

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

REFER SHEET 22 FOR CONTINUATION

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

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

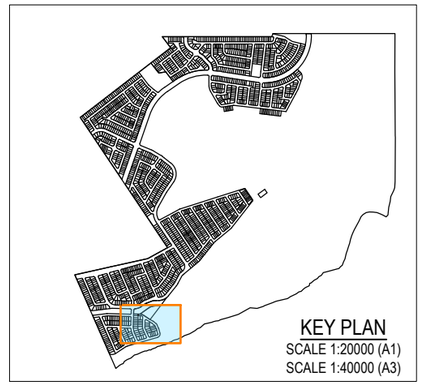
ROAD 36
NEIGHBOURHOOD ACCESS STREET
16.00m WIDE RESERVE
7.50m WIDE PAVEMENT

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

INTERFACE TO EXISTING
SURFACE AT MINIMUM
GRADE OF 1%

REFER SHEET 23 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

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 - 04 Dec 2024 03:38 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RW&D.dwg

REFER SHEET 23 & 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 42
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

REFER SHEET 24 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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 - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1205-CONCEPT RWAD.dwg

LEGEND

- SITE BOUNDARY
- CATCHMENT BOUNDARY
- PROPOSED SURFACE CONTOUR (45.0)
- EXISTING SURFACE CONTOUR (50.0)
- PROPOSED STORMWATER DRAINAGE PIPE
- 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	0.151
C 08	17.232
C 09	6.777
C 10	6.974
C 11	5.255
C 12	7.391
C 13	18.072
C 14	6.501
C 15	1.066

C 01

C 02

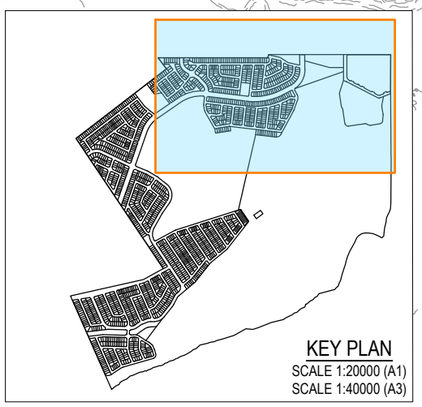
C 03

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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

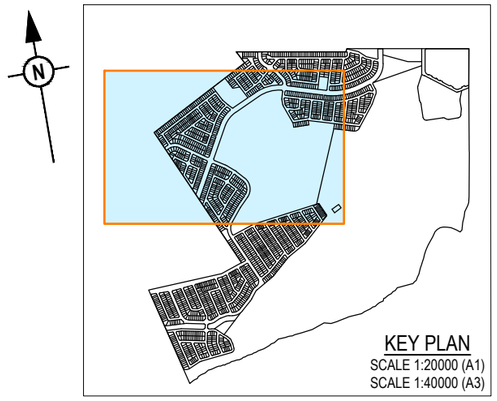
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT CATCHMENT LAYOUT PLAN SHEET 01 OF 03**

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

PLOT - 04 Dec 2024 03:39 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 3 FOR CONTINUATION

REFER SHEET 1 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

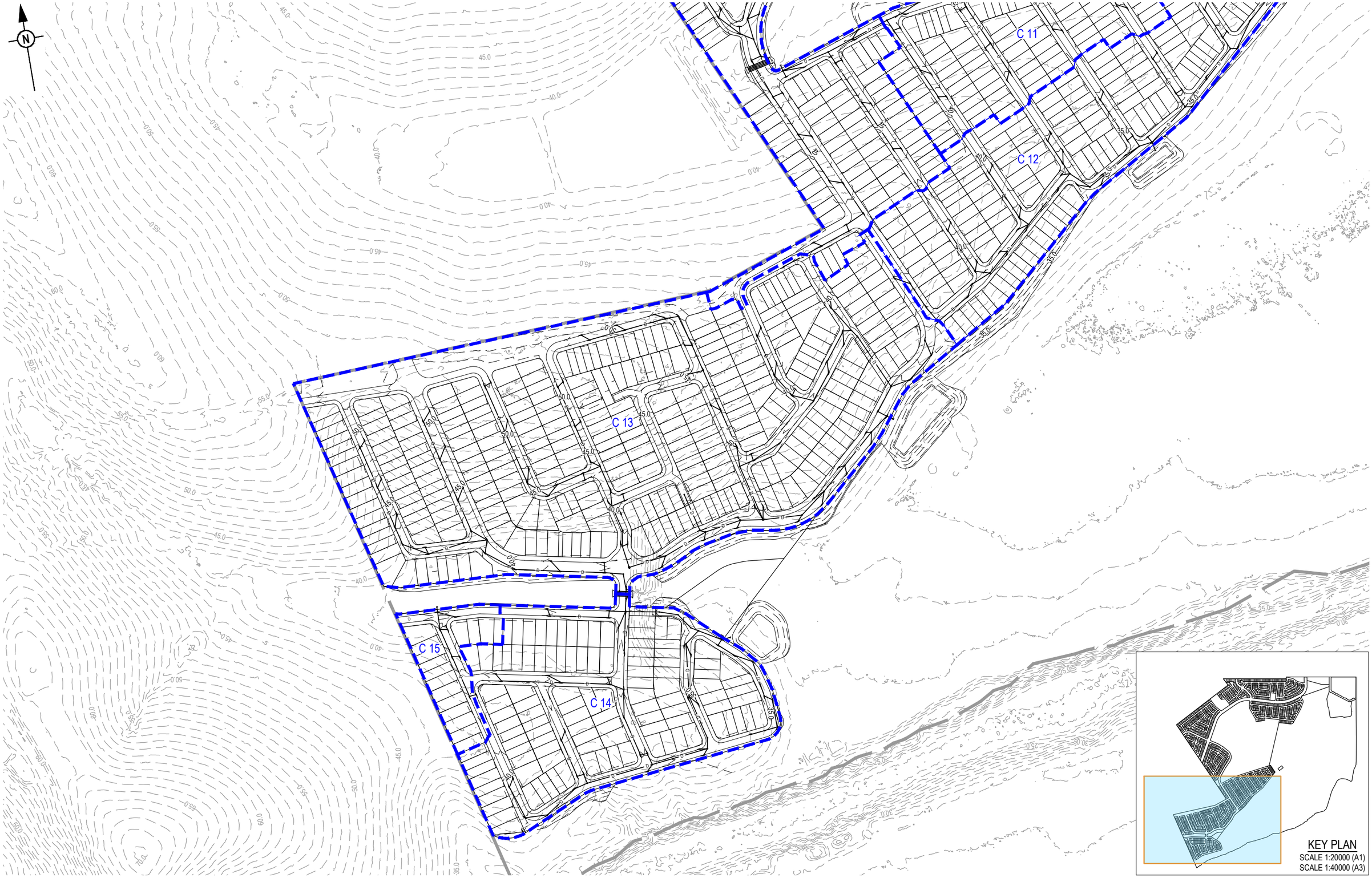
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT CATCHMENT LAYOUT PLAN SHEET 02 OF 03**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Assist\DA\23-0206-DA-1400-CONCEPT CATCHMENT.dwg

REFER SHEET 2 FOR CONTINUATION



REFER SHEET 2 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

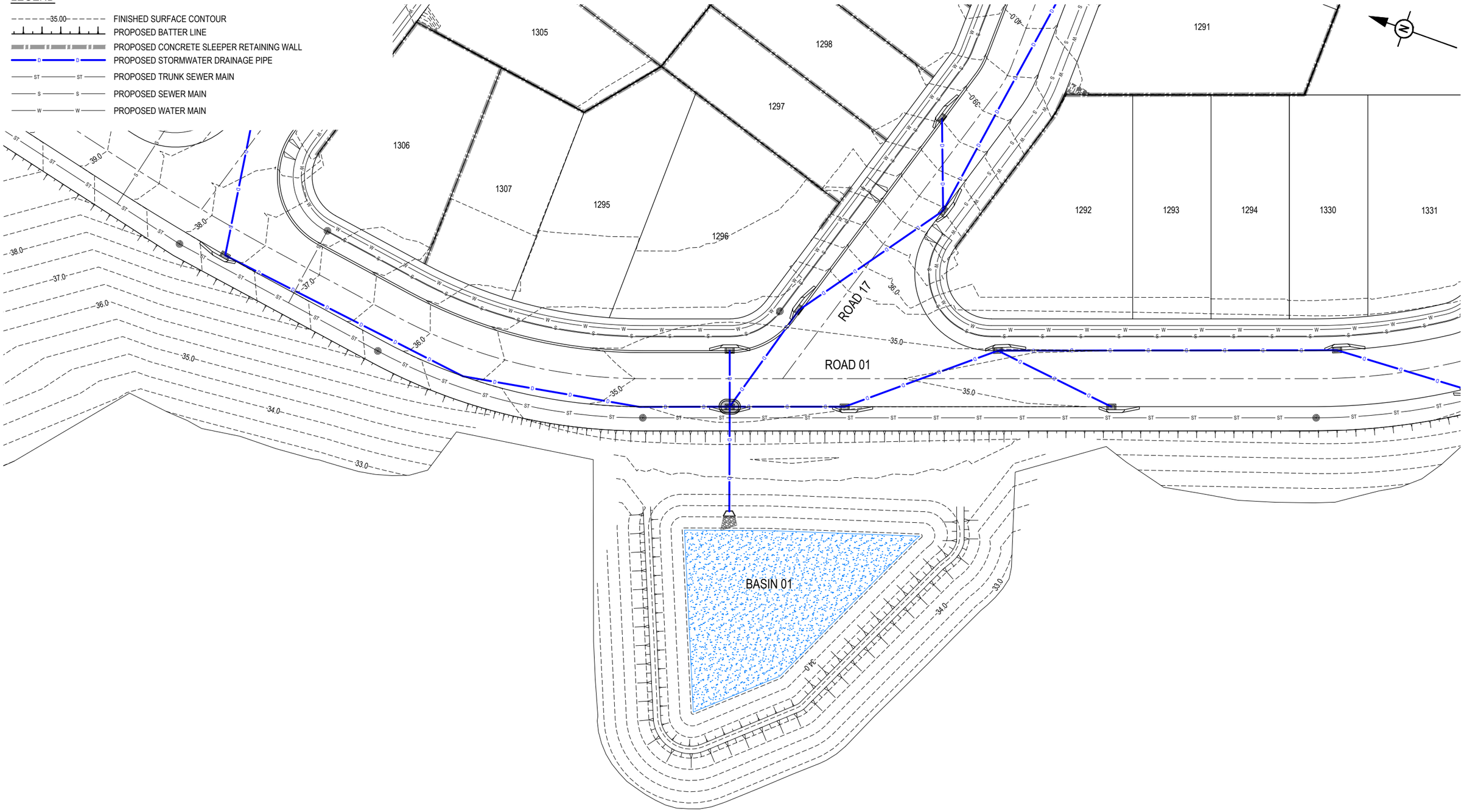
DRAWING TITLE: **CONCEPT CATCHMENT LAYOUT PLAN SHEET 03 OF 03**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

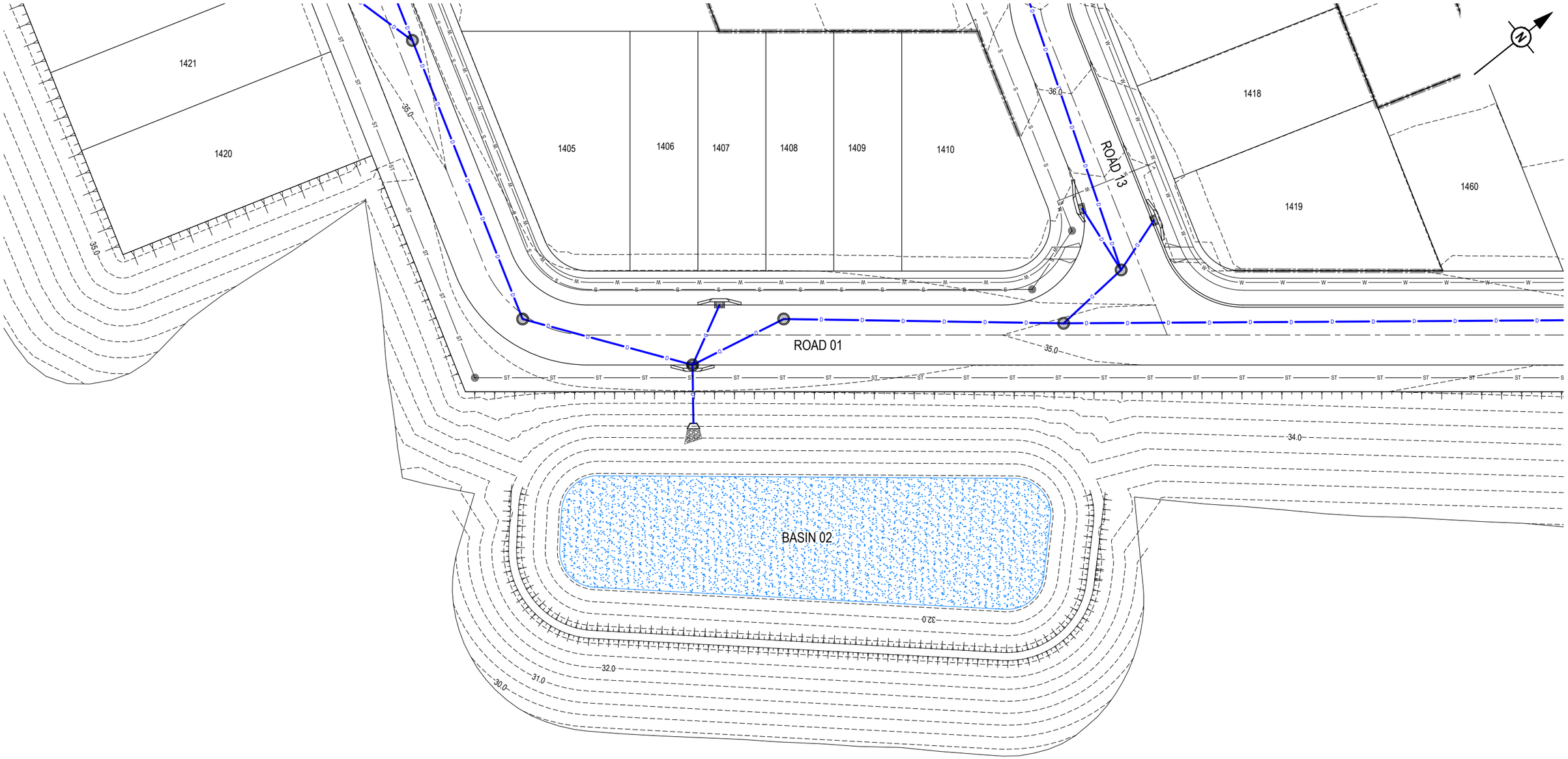
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 01 OF 04**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1450-CONCEPT BIO-RETENTION.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

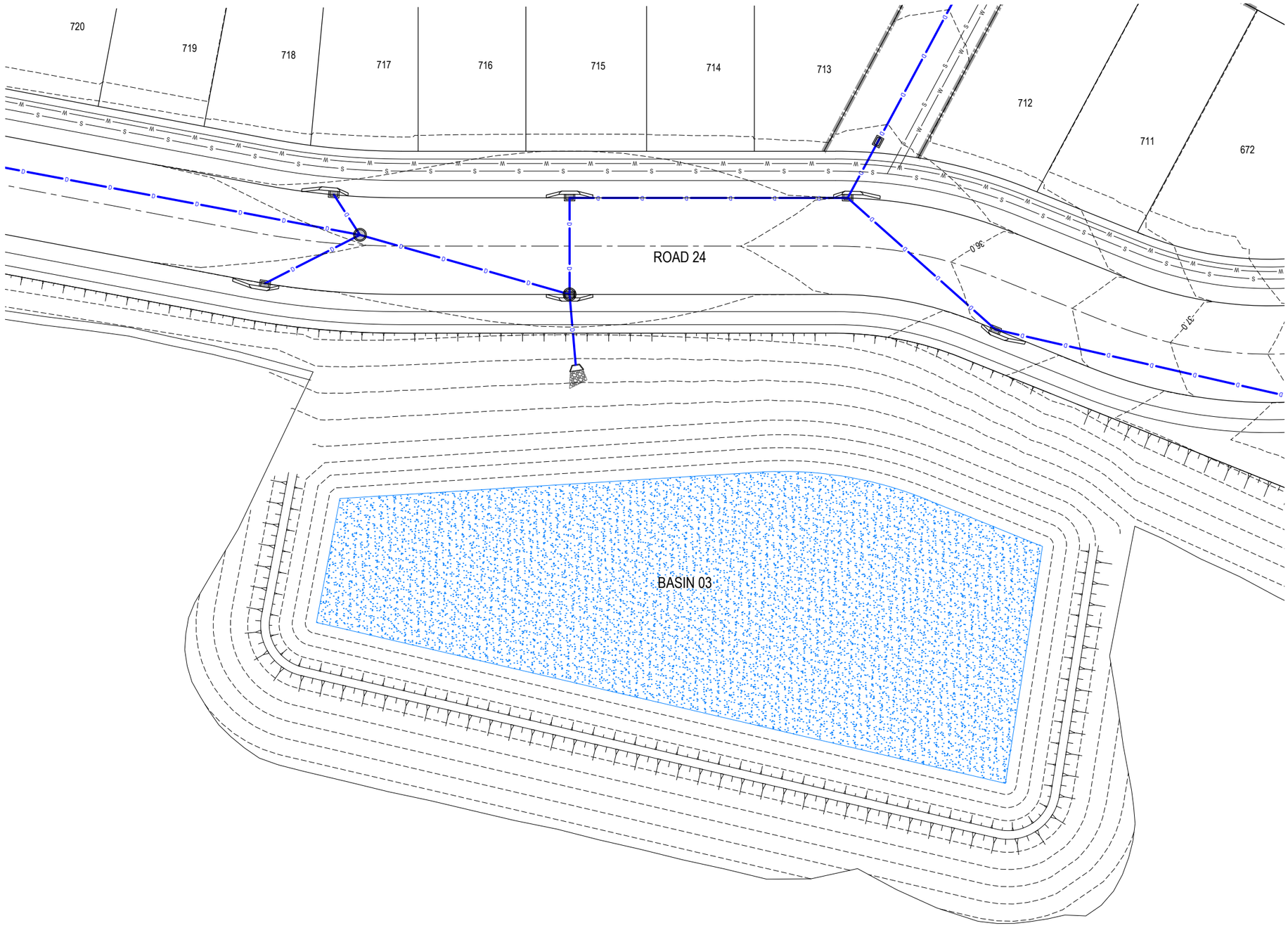
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 02 OF 04**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206-208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1455-CONCEPT BIO-RETENTION.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

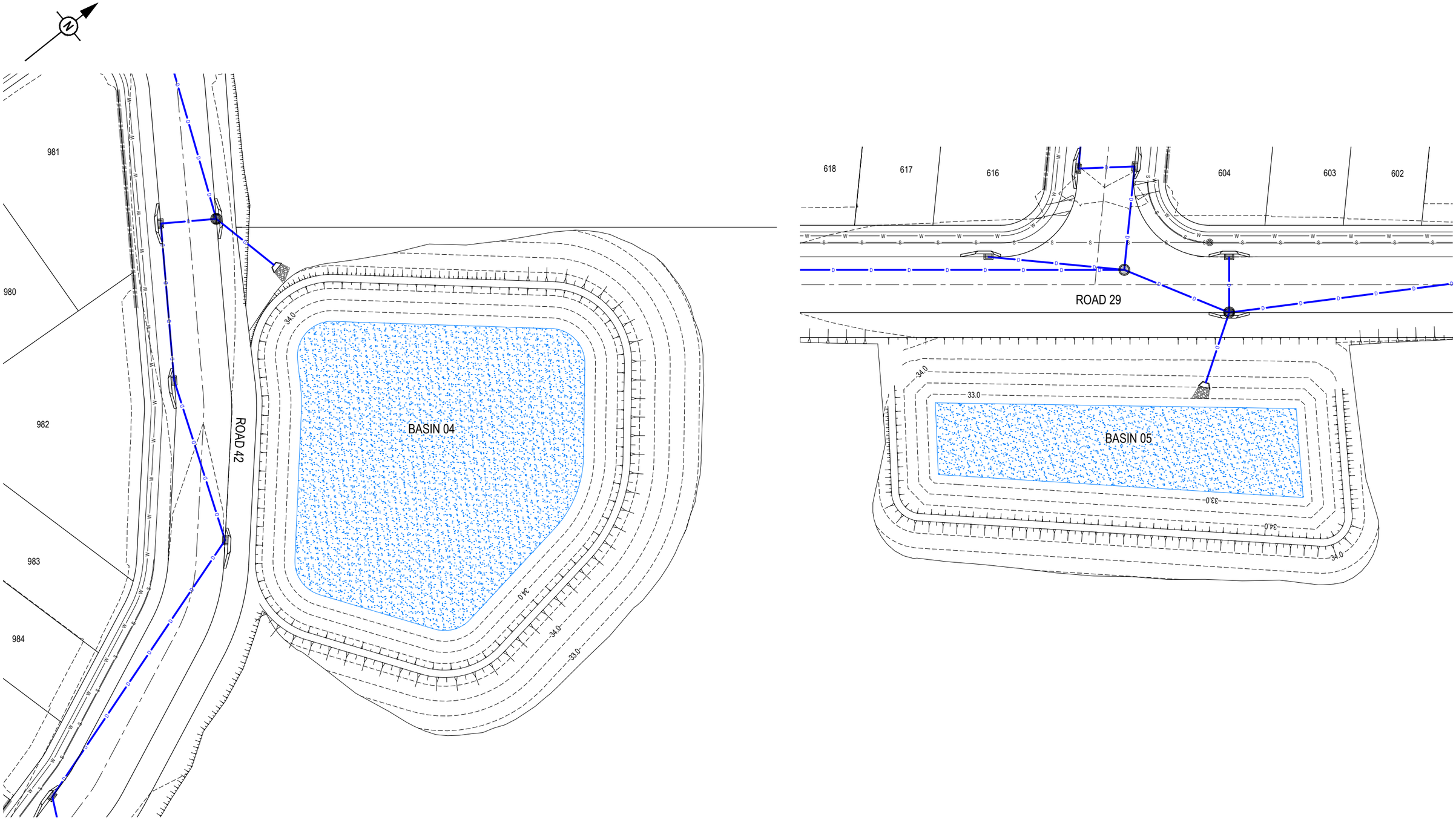
PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 03 OF 04**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1450-CONCEPT BIO-RETENTION.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT BIO RETENTION BASIN LAYOUT PLAN SHEET 04 OF 04**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206-208 Wyatt Rd, Kagaru\Design\Assets\DA\23-0206-DA-1455-CONCEPT BIO-RETENTION.dwg

LEGEND

- SITE BOUNDARY
- PROPOSED TRUNK SEWER MAIN
- PROPOSED SEWER MAIN
- PROPOSED WATER MAIN
- PROPOSED SURFACE CONTOUR
- EXTERNAL DESIGN CONTOUR (FLINDERS LAKE DRIVE BY OTHERS)
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED CONCRETE SLEEPER RETAINING WALL

EXTERNAL FLINDERS LAKES DRIVE DESIGN (BY OTHERS)

FLINDERS LAKES DRIVE

PROPOSED WATER CONNECTION POINT

ROAD 01

ROAD 02

ROAD 10

ROAD 12

REFER SHEET02 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

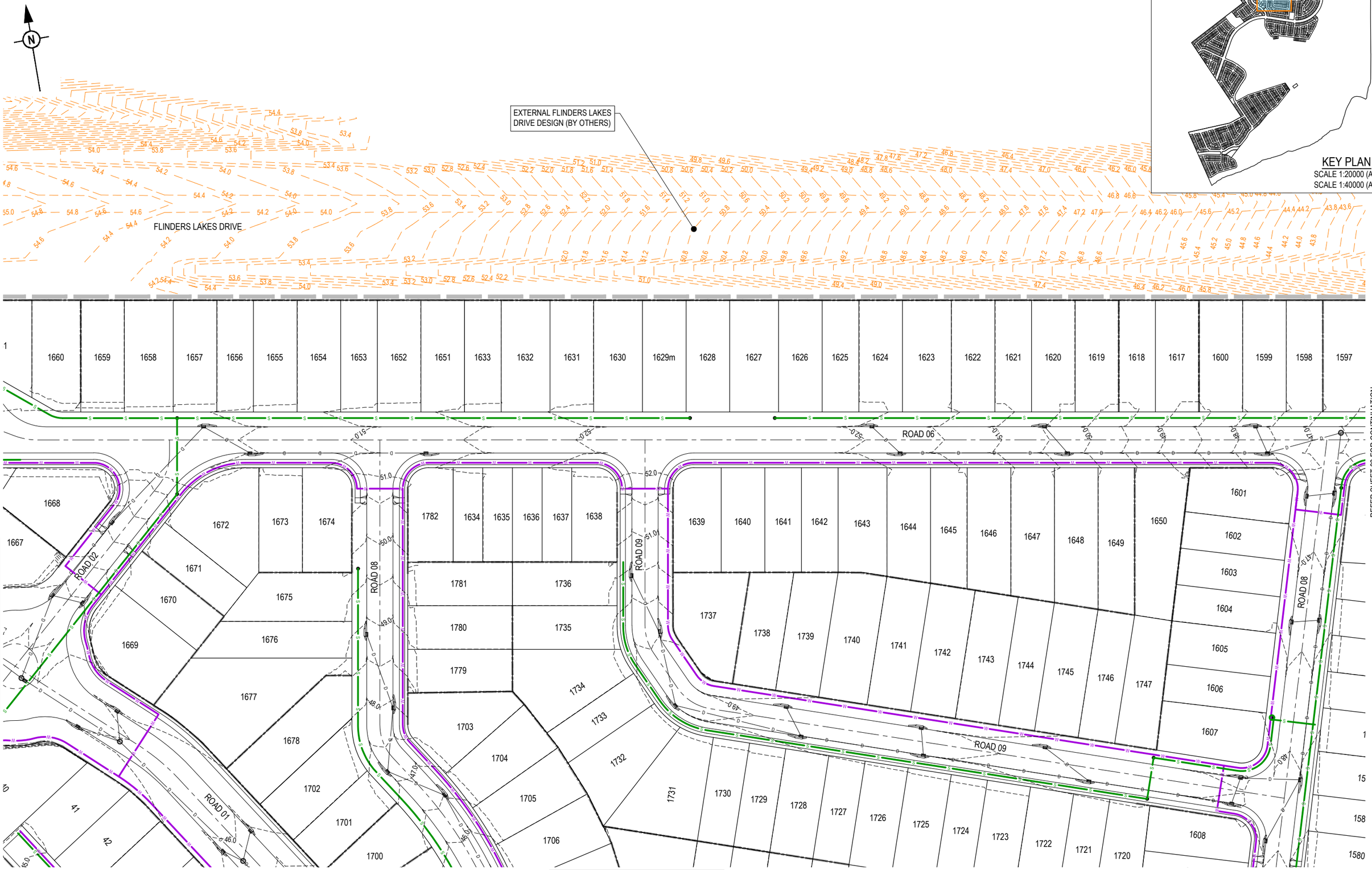
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 01 OF 25**

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

PLOT: 04 Dec 2024 03:39 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

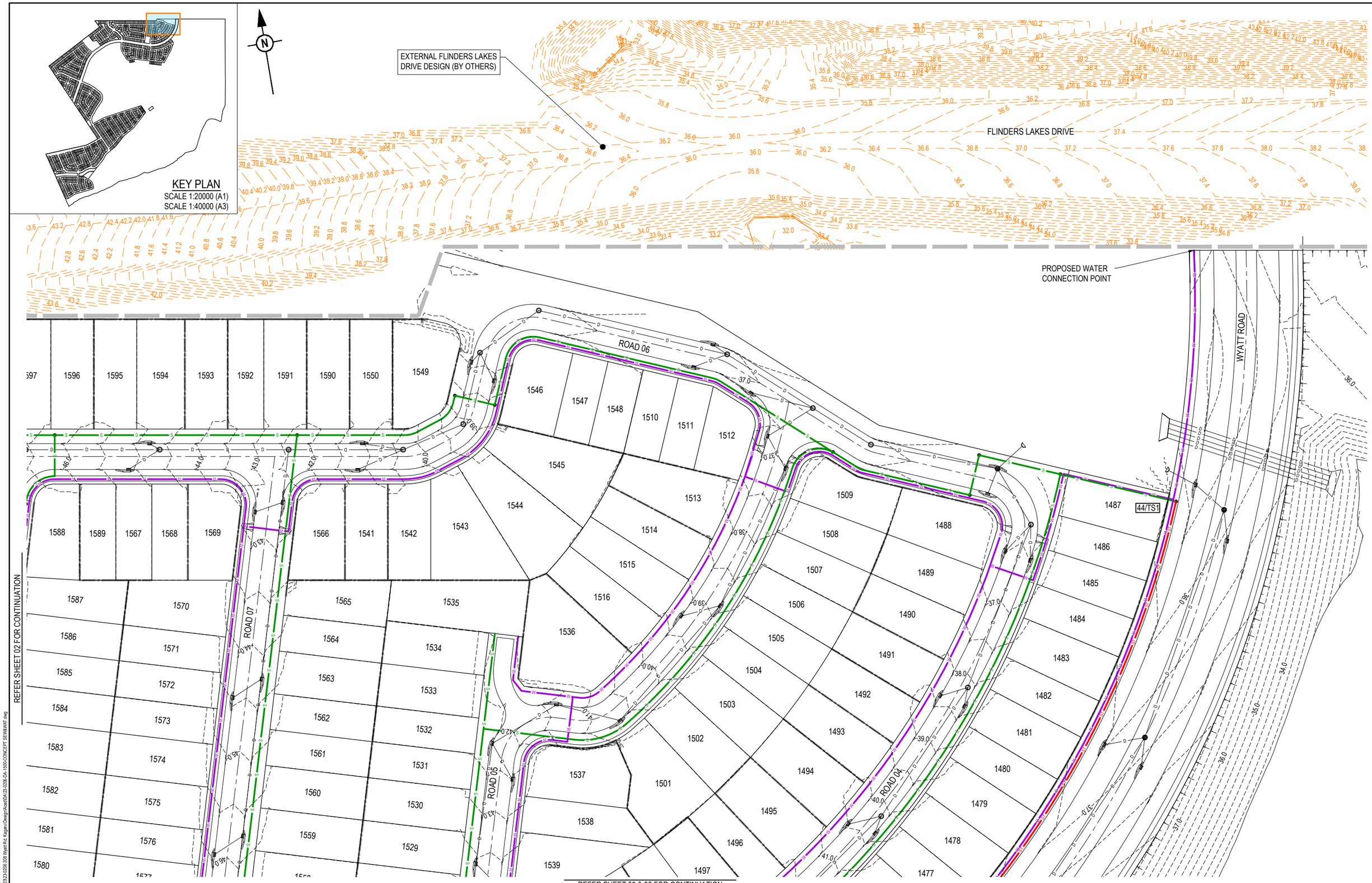
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 02 OF 25**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWWAT.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 03 OF 25**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Asset\DA\23-0206-DA-1500-CONCEPT SEWWAT.dwg

REFER SHEET 01 FOR CONTINUATION

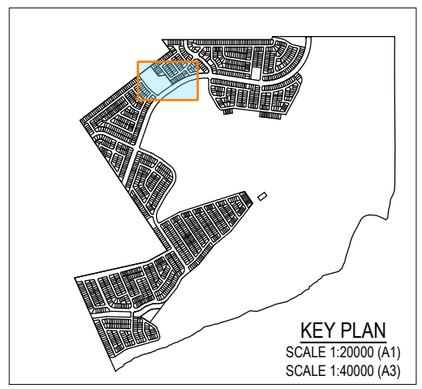
REFER SHEET 09 FOR CONTINUATION

REFER SHEET 05 FOR CONTINUATION

REFER SHEET 09 & 11 FOR CONTINUATION

ROAD 02
ROAD 11
ROAD 12
ROAD 18
ROAD 19
ROAD 20
WYATT ROAD

27/TS1
26/TS1



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

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DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 04 OF 25**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT .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

28/TS1

29/TS1

30/TS1

31/TS1

32/TS1

KEY PLAN

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 05 OF 25**

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

PLOT - 04 Dec 2024 03:39 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWER&WAT.dwg

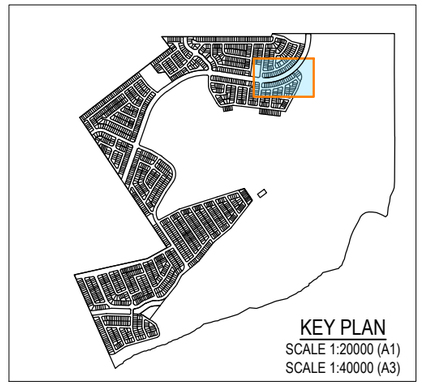
REFER SHEET 3 FOR CONTINUATION

REFER SHEET 02 & 05 FOR CONTINUATION

REFER SHEET 08 FOR CONTINUATION

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

42/TS1
43/TS1
41/TS1
40/TS1



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

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DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 06 OF 25**

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

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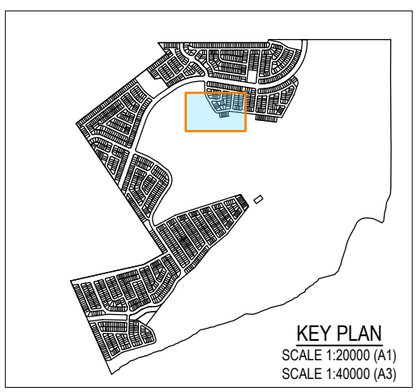


REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

STATUS: **FOR APPROVAL**

DESIGN

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

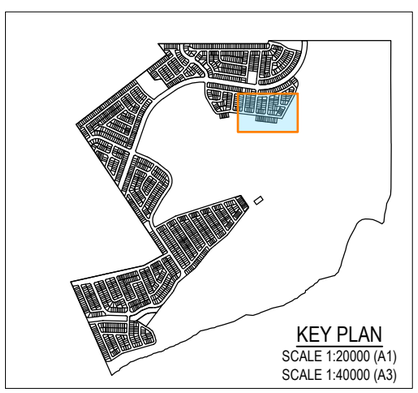
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 07 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWBAWT.dwg

REFER SHEET 05 & 06 FOR CONTINUATION



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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

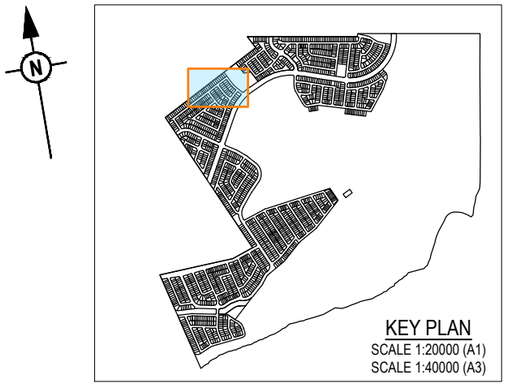
208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 08 OF 25**

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

PLOT: 04 Dec 2024 03:40 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\02-0206-DA-1500-CONCEPT SEWBAWT.dwg

REFER SHEET 04 FOR CONTINUATION



REFER SHEET 10 FOR CONTINUATION

REFER SHEET 04 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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:

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 09 OF 25**

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

PLOT - 04 Dec 2024 03:49 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

REFER SHEET 09 FOR CONTINUATION

REFER SHEET 11 FOR CONTINUATION

REFER SHEET 12 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 10 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23\23-0206 208 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 21
ROAD 22
ROAD 23
WYATT ROAD

25/TS1
24/TS1

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 11 OF 25**

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

PLOT - 04 Dec 2024 03:40 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	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

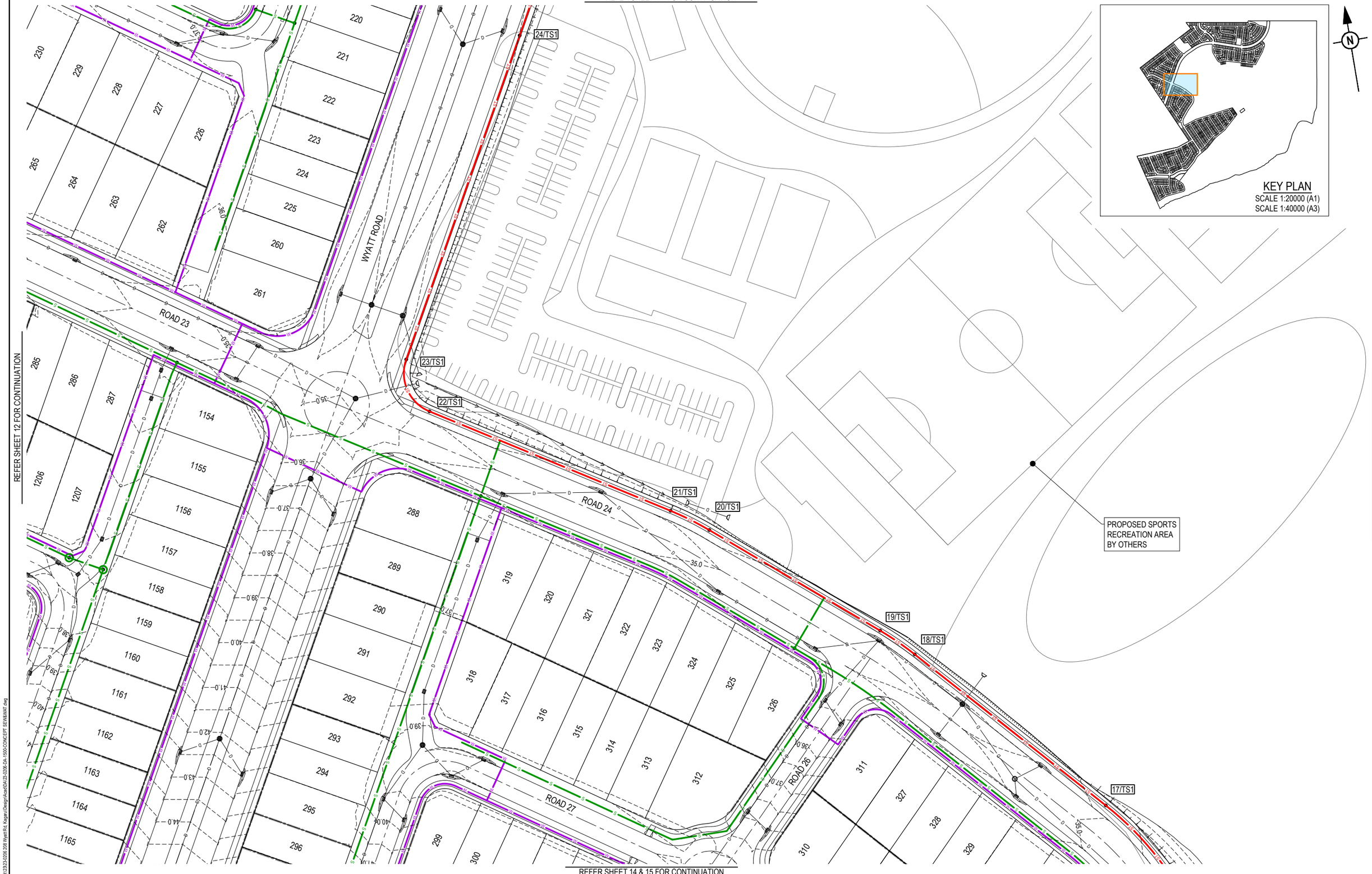
208 WYATT ROAD
KAGARU

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

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

PLOT: 04 Dec 2024 03:40 PM LOCATION: H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500 CONCEPT SEWAWAT .dwg

REFER SHEET 11 FOR CONTINUATION



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

REFER SHEET 12 FOR CONTINUATION

REFER SHEET 7 FOR CONTINUATION

REFER SHEET 14 & 15 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

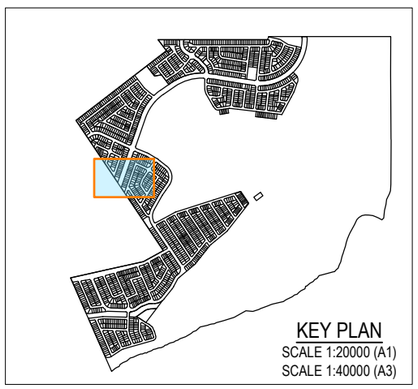
DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 13 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23-23\0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT.dwg

REFER SHEET 12 & 13 FOR CONTINUATION

REFER SHEET 15 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

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

CLIENT: **WEL.CO**

ASSOCIATED CONSULTANT

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 14 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT .dwg

REFER SHEET 13 FOR CONTINUATION

REFER SHEET 14 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION

ROAD 27

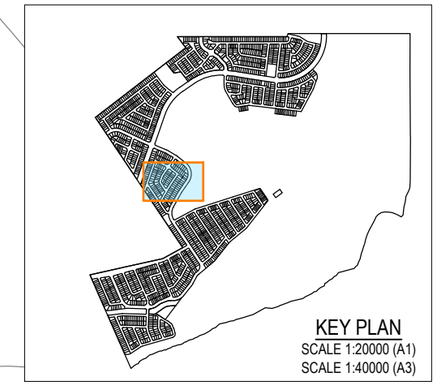
ROAD 24

16/TS1

15/TS1

14/TS1

13/TS1



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVED**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME **KAGARU**

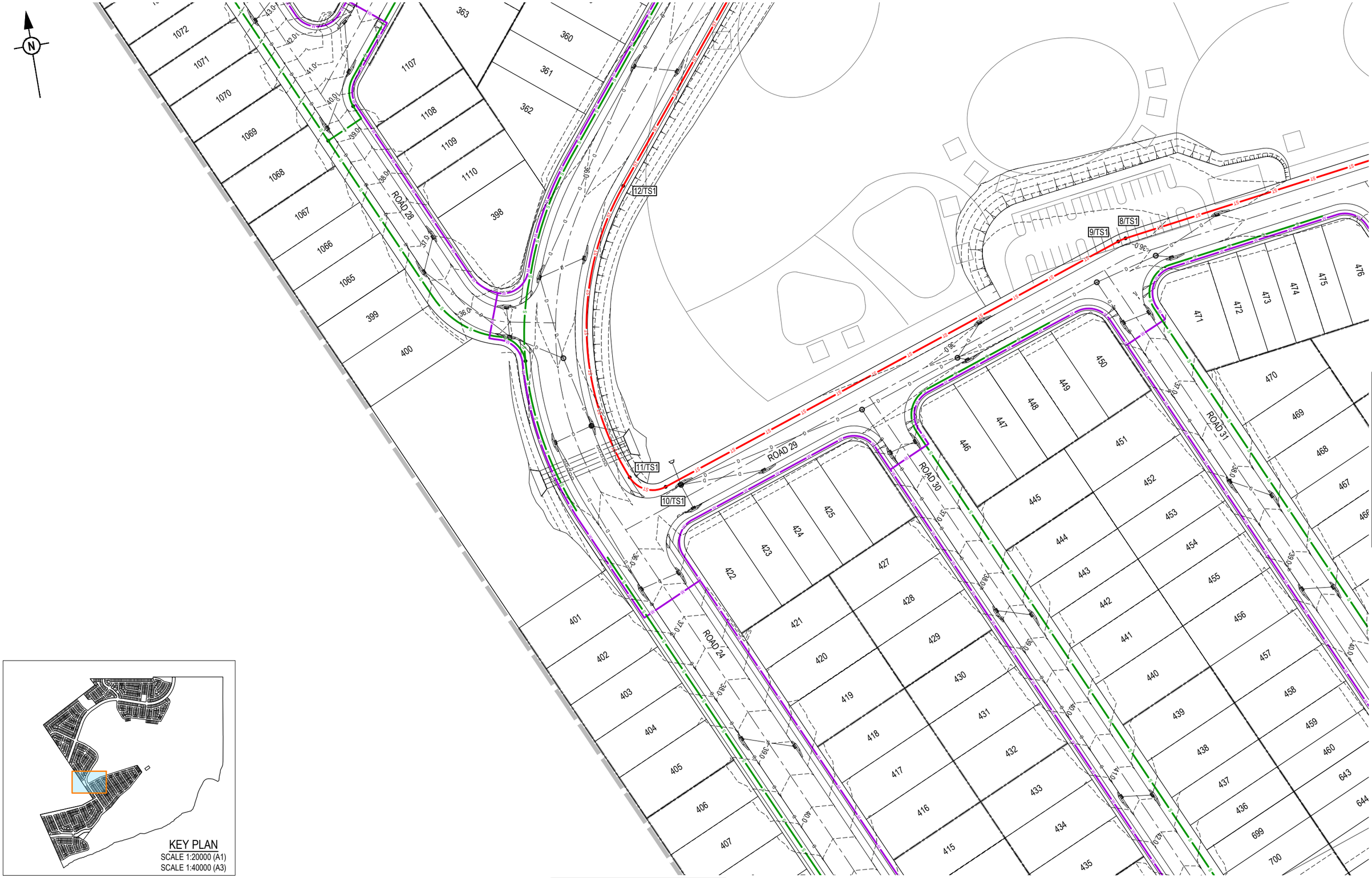
208 WYATT ROAD
KAGARU

DRAWING TITLE **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 15 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23\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

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

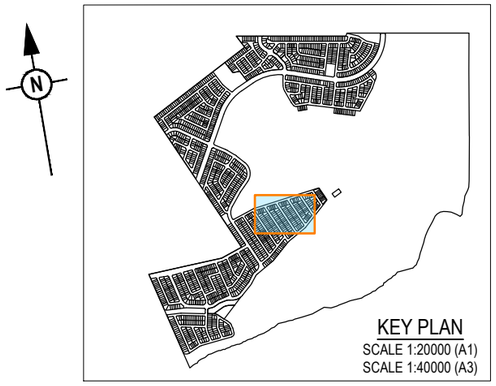
DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 16 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWBAWAT.dwg

REFER SHEET 18 FOR CONTINUATION

REFER SHEET 16 FOR CONTINUATION



ROAD 29
ROAD 31
ROAD 32
ROAD 33
ROAD 34
7/TS1

REFER SHEET 19 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

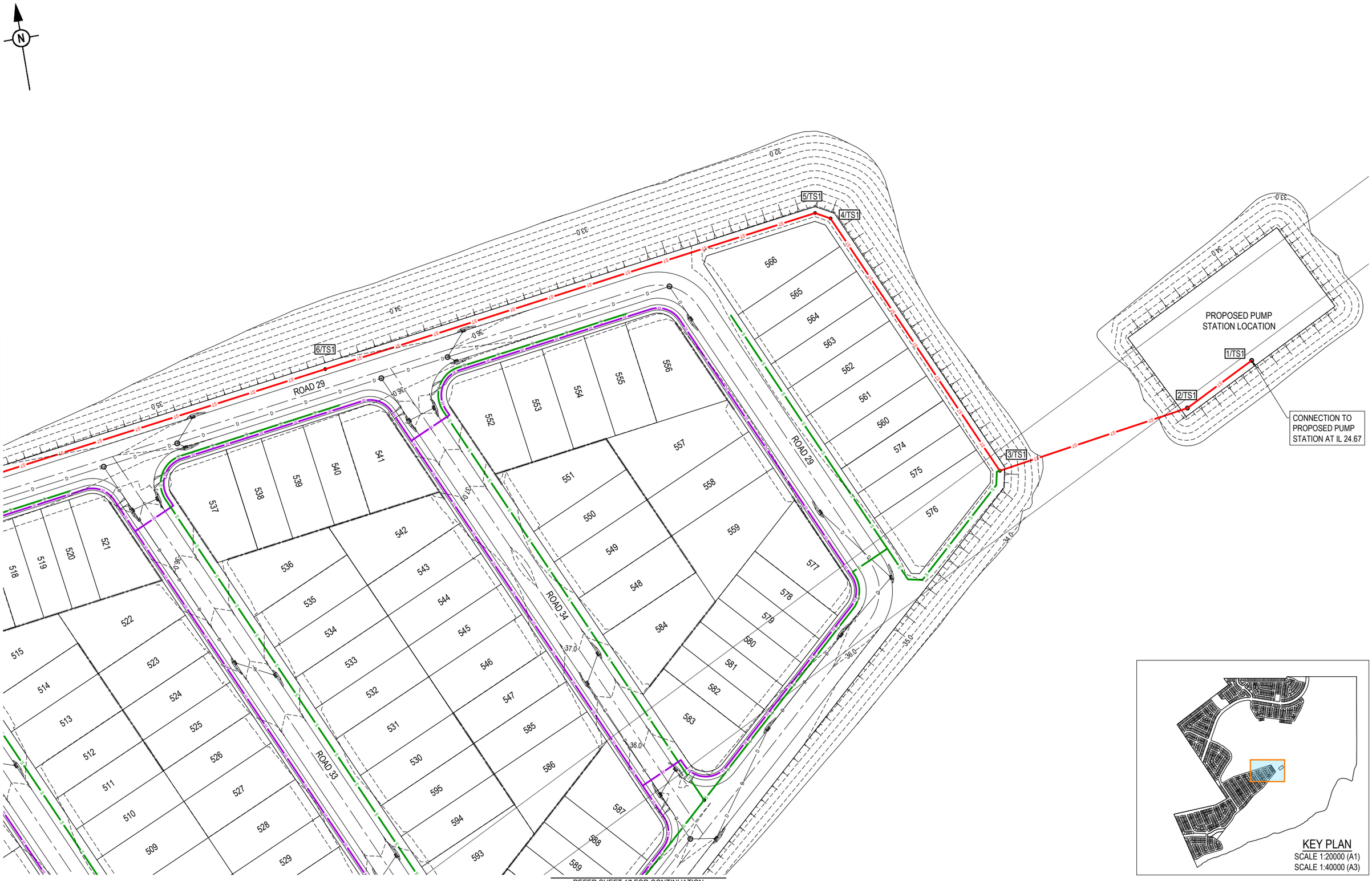
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 17 OF 25**

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

PLOT - 04 Dec 2024 03:40 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT.dwg



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 18 OF 25**

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

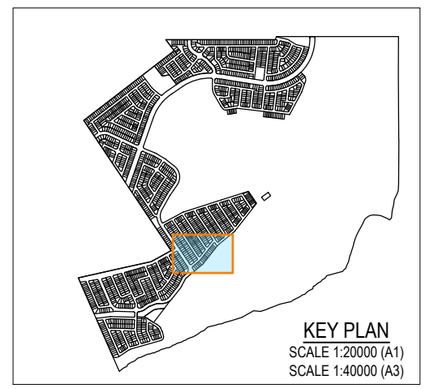
PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT.dwg

REFER SHEET 16 & 17 FOR CONTINUATION

REFER SHEET 20 FOR CONTINUATION

REFER SHEET 22 FOR CONTINUATION

ROAD 24
ROAD 29
ROAD 30
ROAD 31
BASIN 05



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

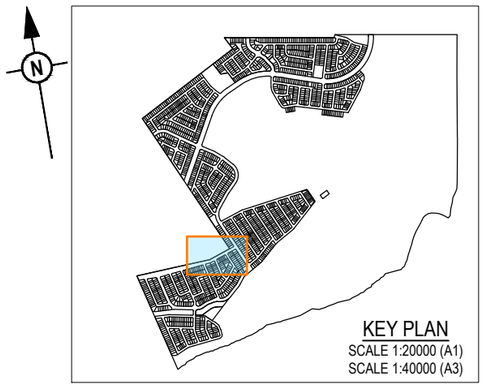
PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 19 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1518	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT .dwg



REFER SHEET 16 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

REFER SHEET 19 FOR CONTINUATION

REFER SHEET 22 FOR CONTINUATION

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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:

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 20 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1519	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWWAT.dwg

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 21 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1520	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

REFER SHEET 19 & 20 FOR CONTINUATION

REFER SHEET 21 FOR CONTINUATION

ROAD 39
ROAD 38
ROAD 37
ROAD 36
ROAD 24
BASIN 03

REFER SHEET 24 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 22 OF 25**

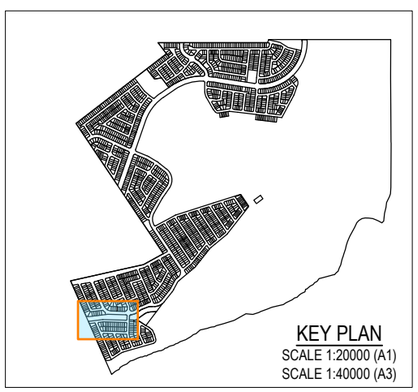
PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1521	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWWAT.dwg

REFER SHEET 21 & 22 FOR CONTINUATION

REFER SHEET 24 FOR CONTINUATION

REFER SHEET 25 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 23 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1522	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWRAWAT .dwg

REFER SHEET 22 FOR CONTINUATION

REFER SHEET 23 FOR CONTINUATION

ROAD 24
ROAD 36
ROAD 56
ROAD 43
ROAD 44
ROAD 45
ROAD 42
BASIN 04

940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017

REFER SHEET 25 FOR CONTINUATION

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

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN
DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

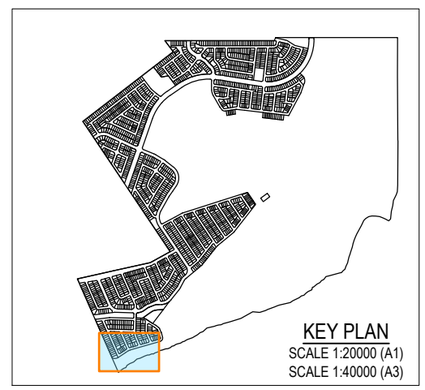
DRAWING TITLE: **CONCEPT SEWER AND WATER RETICULATION LAYOUT PLAN SHEET 24 OF 25**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1523	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Road\DA\23-0206-DA-1500-CONCEPT SEW&WAT.dwg

REFER SHEET 23 & 24 FOR CONTINUATION

REFER SHEET 24 FOR CONTINUATION



REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVAL**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE: 4.12.24

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

PROJECT NAME: **KAGARU**

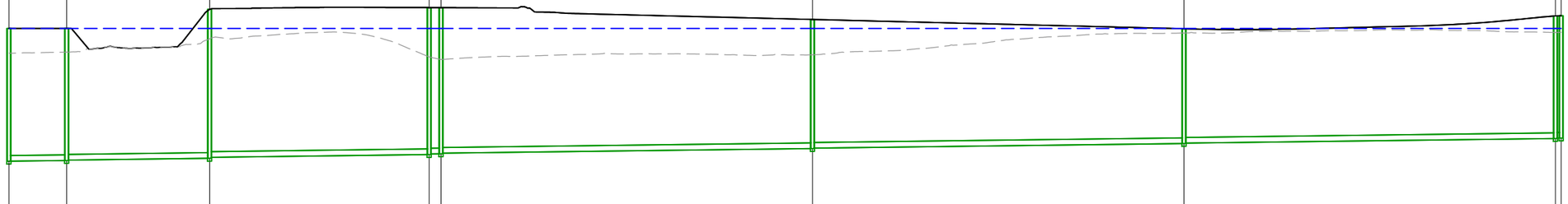
208 WYATT ROAD
KAGARU

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

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1524	A

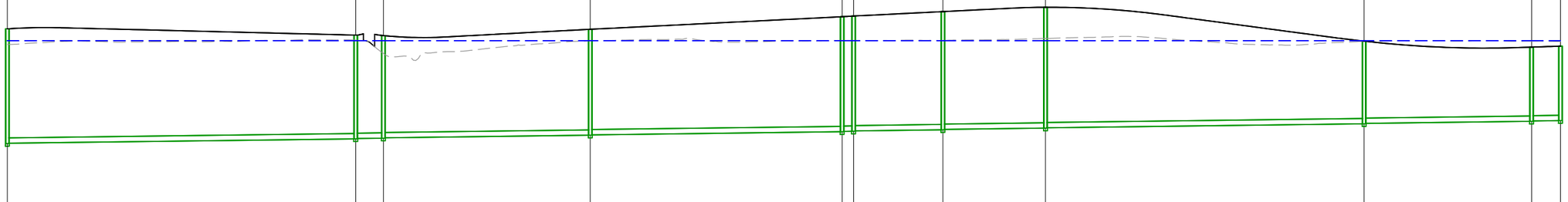
PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWAWAT.dwg

STRUCTURE NAME	1/TS1	2/TS1	3/TS1	4/TS1	5/TS1	6/TS1	7/TS1	8/TS1	9/TS1
STRUCTURE TYPE & DROP	B	B	B	B	B	B	B	B	R-12.00 H B
STRUCTURE LID TYPE	B	B	B	B	B	B	B	B	B
JUNCT. LINE No.		18°	75°	-37°	-37°				
JUNCT. DROP TYPES	V	V	V	V	V	V	V	V	V



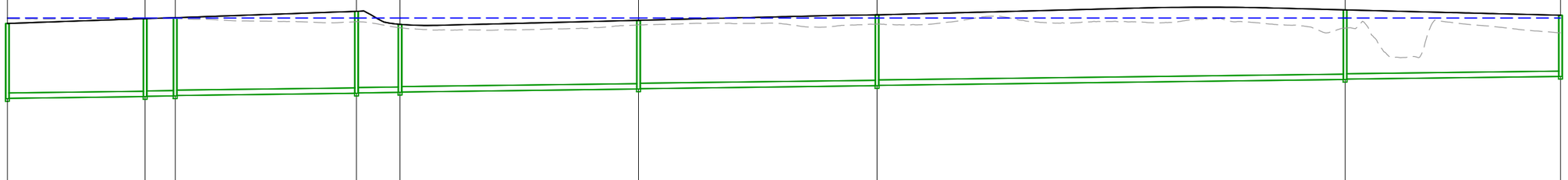
| | | | |

STRUCTURE NAME	9/TS1	10/TS1	11/TS1	12/TS1	13/TS1	14/TS1	15/TS1	16/TS1	17/TS1	18/TS1	19/TS1
STRUCTURE TYPE & DROP	B	B	B R7.75 H	B R81.75 H	B	B	B R51.75 H	B	B R-89.25 H	B	B R-89.25 H
STRUCTURE LID TYPE	B	B	B	B	B	B	B	B	B	B	B
JUNCT. LINE No.											
JUNCT. DROP TYPES	V	V	V	V	V	V	V	V	V	V	V



| | | | | | | | | | | |

STRUCTURE NAME	19/TS1	20/TS1	21/TS1	22/TS1	23/TS1	24/TS1	25/TS1	26/TS1	27/TS1
STRUCTURE TYPE & DROP	B	B	R-89.25 H	B	R12.00 H	B	B	R310.25 H	B
STRUCTURE LID TYPE	B	B	B	B	B	B	B	B	B
JUNCT. LINE No.									
JUNCT. DROP TYPES	V	V	V	V	V	V	V	V	V



DATUM RL(m)	13.0								
LAND USE / PIPE DIA & TYPE	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450
PIPE GRADE (1 in x)	1 IN 400	1 IN 400	1 IN 400	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	6.298 / 6.268	6.527 / 6.497	6.545 / 6.515	6.856 / 6.826	5.687 / 5.657	5.751 / 5.721	5.924 / 5.894	5.824 / 5.794	5.119
SEWER INVERT LEVEL	28.445 / 28.475	28.619 / 28.649	28.680 / 28.710	28.900 / 28.930	28.975 / 29.005	29.254 / 29.284	29.534 / 29.564	30.053 / 30.083	30.308
DESIGN SURFACE LEVEL	34.743	35.146	35.225	35.756	34.662	35.005	35.458	35.877	35.427
EXISTING SURFACE LEVEL	35.137	35.161	35.164	34.891	34.380	34.640	34.690	34.353	33.960
SETOUT	E490884.298 / N6920478.716	E490839.887 / N6920515.384	E490829.651 / N6920522.686	E490765.001 / N6920562.251	E490760.709 / N6920578.192	E490808.125 / N6920665.926	E490855.542 / N6920753.661	E490995.076 / N6920886.253	E491076.403 / N6920924.986
RUNNING CHAINAGE	1270.390	57.592	1327.982 / 12.584	1340.566	75.796	1416.362	18.205	1434.567	99.728	1534.295	99.728	1634.023	195.714	1829.736	90.080	1919.816
LINE NUMBER	LINE TS1								

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

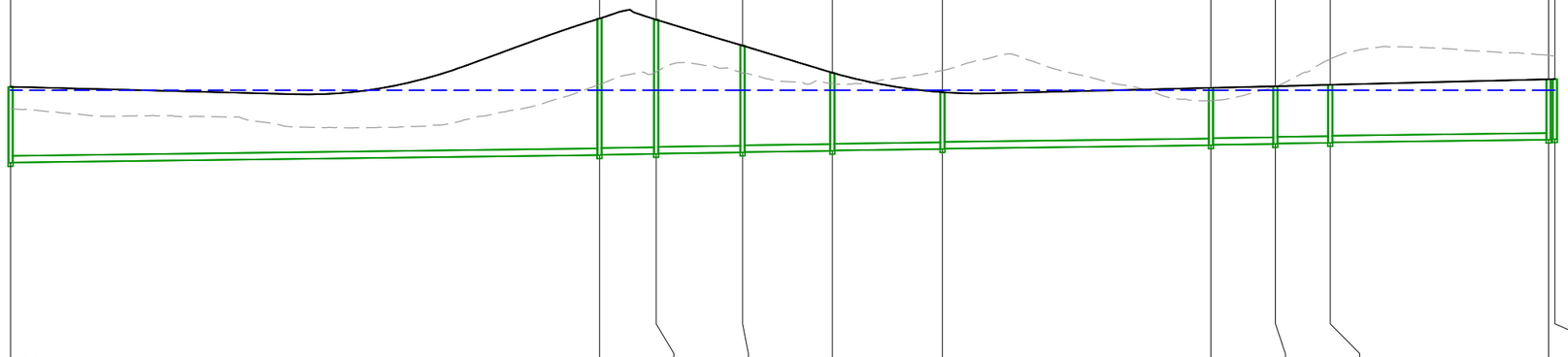
208 WYATT ROAD
KAGARU

DRAWING TITLE: **TRUNK SEWER LONGITUDINAL SECTION SHEET 03 OF 06**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1527	A

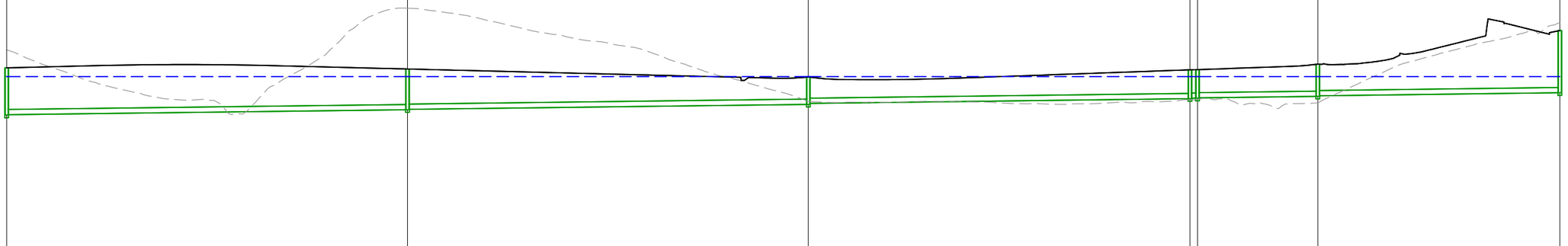
PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWKWAT.dwg

STRUCTURE NAME	27/TS1			28/TS1	29/TS1	30/TS1	31/TS1	32/TS1		33/TS1	34/TS1	35/TS1		36/TS1	37/TS1
STRUCTURE TYPE & DROP	B	R310.25 H	B	B	R12.00 H B	B	B	R-74.75 H	B	B	R-90.37 H B	R-19.25 H B	B	R7.75 H	B
STRUCTURE LID TYPE	B		B	B	B	B	B		B	B	B	B	B	B	B
JUNCT. LINE No.						-5°									
JUNCT. DROP TYPES	V		V	V	V	V	V		V	V	V	V	V	V	V



| | | | | | | | | |

STRUCTURE NAME	37/TS1	38/TS1	39/TS1	40/TS1	41/TS1	42/TS1	43/TS1
STRUCTURE TYPE & DROP	B	B	B	B	R-20.25 H⌀	B	B
STRUCTURE LID TYPE	B	B	B	B	B	B	B
JUNCT. LINE No.			-68°			-58°	91°
JUNCT. DROP TYPES	V	V	V	V	V	V	V



DATUM RL(m)	17.0						
LAND USE / PIPE DIA & TYPE	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	uPVC SN8 DN450	
PIPE GRADE (1 in x)	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	4.044 / 4.014	3.487 / 3.457	2.347 / 2.267	2.468 / 2.438	2.447 / 2.417	2.759 / 2.709	5.325
SEWER INVERT LEVEL	31.905 / 31.935	32.364 / 32.394	32.823 / 32.903	33.311 / 33.341	33.349 / 33.379	33.508 / 33.558	33.817
DESIGN SURFACE LEVEL	35.950	35.852	35.170	35.779	35.796	36.267	39.142
EXISTING SURFACE LEVEL	37.478	41.052	33.061	33.223	33.255	32.945	39.805
SETOUT	E491406.797 / N6920728.357	E491571.780 / N6920681.483	E491736.764 / N6920634.609	E491836.048 / N6920764.279	E491837.793 / N6920766.978	E491862.236 / N6920812.303	E491810.311 / N6920901.921
RUNNING CHAINAGE	2438.665	171.513 / 2610.168	171.513 / 2781.681	163.314 / 2944.995	3.217 / 2948.213	51.496 / 2999.709	103.573 / 3103.282
LINE NUMBER	LINE TS1						

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS: **FOR APPROVED**

APPROVED: DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

PROJECT NAME: **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE: **TRUNK SEWER LONGITUDINAL SECTION SHEET 05 OF 06**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1529	A

PLOT - 04 Dec 2024 03:41 PM LOCATION - H:\23\23-0206 208 Wyatt Rd, Kagaru\Design\Acad\DA\23-0206-DA-1500-CONCEPT SEWKWAT.dwg

STRUCTURE NAME		43/TS1		44/TS1
STRUCTURE TYPE & DROP	B	R-275.73 H		B
STRUCTURE LID TYPE	B			B
JUNCT. LINE No.	91°			
JUNCT. DROP TYPES	V			V
DATUM RL(m)		16.0		
LAND USE				
PIPE DIA & TYPE		uPVC SN8 DN450		
PIPE GRADE (1 in x)		1 IN 400		
EMBEDMENT				
JUNCTION INVERT LEVEL				
DEPTH TO INVERT	5.325	5.245	1.280	
SEWER INVERT LEVEL	33.817	33.897	34.369	
DESIGN SURFACE LEVEL	39.142			35.649
EXISTING SURFACE LEVEL	39.805			31.881
SETOUT	E491810.311 N6920901.921		E491931.986	N6921041.554
RUNNING CHAINAGE	3103.282	188.879		3292.162
LINE NUMBER		LINE TS1		

REV	DATE	DESIGN	DRAWN	REVISION DETAILS
A	04.12.24	LM	BP	ORIGINAL ISSUE

DRAWN

DESIGN

STATUS **FOR APPROVAL**

APPROVED DANIEL COLLINS RPEQ 18631 DATE 4.12.24

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

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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

PROJECT NAME **KAGARU**

208 WYATT ROAD
KAGARU

DRAWING TITLE **TRUNK SEWER LONGITUDINAL SECTION SHEET 06 OF 06**

PROJECT No.	DRAWING No.	REVISION
23-0206	DA-1530	A

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