



Riverbend Precinct 1

Road Traffic Noise Intrusion Assessment

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Basis of Report

This report has been prepared by SLR Consulting Australia (SLR) with all reasonable skill, care and diligence, and taking account of the timescale and resources allocated to it by agreement with Celestino Developments Pty Ltd (the Client). Information reported herein is based on the interpretation of data collected, which has been accepted in good faith as being accurate and valid.

This report is for the exclusive use of the Client. No warranties or guarantees are expressed or should be inferred by any third parties. This report may not be relied upon by other parties without written consent from SLR.

SLR disclaims any responsibility to the Client and others in respect of any matters outside the agreed scope of the work.



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1.0 Introduction

SLR Consulting Australia Pty Ltd (SLR) was commissioned by Celestino Developments Pty Ltd (Celestino Development) to conduct a road traffic noise intrusion assessment for the Riverbend Precinct 1 Development. Precinct 1 is referred hereto as 'the Project'.

The purpose of this report is to present the results of an assessment of predicted road traffic noise levels against the requirements of the Queensland Development Code Mandatory Part 4.4 (QDC MP4.4) for the residential lots to be located within Precinct 1, following detailed noise modelling for the latest concept lot layout plan (reproduced in **Appendix A**).

Similarly, an assessment of road traffic noise levels onto the school site pertaining Precinct 1 has also been conducted.

The noise predictions integrate the latest digital elevation model and road traffic volume forecasts available from the civil and traffic consultants, respectively, at date of issue of this report. Road traffic has been modelled for the period coinciding 10 years after the estimated Precinct 1 completion.

The following documents are relevant to this assessment:

- Department of Transport and Main Roads (TMR) Transport Management Code of Practice Volume 1: Road traffic noise (CoP Vol 1).
- UK Department of Transport Welsh Office Calculation of Road Traffic Noise 1988 (CoRTN).
- Previous PDA development conditions set out for other subdivision sites located within the Greater Flagstone Urban Development Area (UDA). Specifically, application of the Queensland Department of Housing and Public Works, Queensland Development Code Mandatory Part MP 4.4, (QDC MP4.4) for the assessment of road traffic noise intrusion.
- Australian Standard AS/NZS 2107:2016 Acoustics – Recommended design sound levels and reverberation times for building interiors (AS 2107).

This assessment is limited to the road traffic noise impacts or traffic volumes impacting Precinct 1, relevant to 10 years after completion of Precinct 1.

This assessment also excludes the environmental noise emission from non-residential uses within Riverbend, as it is understood that these will be subject to a separate Development application (DA) process.

A glossary of terms used in this report are detailed in **Appendix D**.



2.0 Noise Assessment Criteria

2.1 Road Traffic Noise Criteria for Residential Uses

As indicated above, the QDC MP4.4 has been applied in this assessment, consistent with the development application of other developments located within the Greater Flagstone Urban Development Area (UDA)

Under QDC MP4.4, when building in a Transport Noise Corridor, a residential building needs to achieve certain levels of noise reduction which can be achieved through incorporating appropriate building materials to the building envelope to achieve the required noise reduction in habitable rooms.

QDC MP4.4 applies to residential buildings that are constructed within designated Transport Noise Corridors. It is then assumed that, for the purpose of assessing transport noise, noise relevant roads are to be treated as a “Transport Noise Corridor”.

Reproduced from QDC MP4.4, the Noise Categories and associated minimum noise reduction requirements and minimum Weighted Sound Reduction Index (R_w) for external building elements are shown in **Table 1**. The R_w is a measure of the sound insulation properties of a specific building material element.

As remedy, QDC MP4.4 provides acceptable forms of construction for the external elements of the building to assist in achieving a building design and construction which meets the required noise reduction for each Noise Category. The acceptable forms of construction in QDC MP4.4 are reproduced in **Appendix C**, noting that other forms of construction are acceptable where they are demonstrated to achieve the required R_w rating.

Table 1 QDC MP4.4 Noise Categories and Minimum Noise Reduction for Road Transport Noise

Noise Category	Transport Noise Level, Facade Corrected	Minimum Transport Noise Reduction for Habitable Rooms	Building External Envelope Component	Minimum R_w Required for Each Component	
4	Road traffic noise ≥ 73 dBA LA10(18hour)	40 dBA	Glazing	43	
			External Walls	52	
			Roof	45	
			Floors	51	
			Entry doors	35	
3	Road traffic noise 68 – 72 dBA LA10(18hour)	35 dBA	Glazing	38	where total area of glazing for a habitable room is greater than 1.8 m ²
				35	where total area of glazing for a habitable room is less than or equal to than 1.8 m ²
			External walls	47	
			Roof	41	
			Floors	45	
			Entry doors	33	
2		30 dBA	Glazing	35	where total area of glazing for a habitable room is greater than 1.8 m ²



Noise Category	Transport Noise Level, Facade Corrected	Minimum Transport Noise Reduction for Habitable Rooms	Building External Envelope Component	Minimum Rw Required for Each Component	
	Road traffic noise 63 – 67 dBA LA10(18hour)			32	where total area of glazing for a habitable room is less than or equal to than 1.8 m ²
			External walls	41	
			Roof	38	
			Floors	45	
			Entry doors	33	
1	Road traffic noise 58 – 62 dBA LA10(18hour)	25 dBA	Glazing	27	where total area of glazing for a habitable room is greater than 1.8 m ²
				24	where total area of glazing for a habitable room is less than or equal to than 1.8 m ²
			External walls	35	
			Roof	35	
			Entry doors	28	
0	Road traffic noise ≤57 dBA LA10(18hour)	No additional acoustic treatment required – standard building assessment provisions apply.			

2.2 Road Traffic Noise Criteria for Educational Uses

Noise criteria for the assessment of road traffic noise at schools are not specified in the Greater Flagstone Urban Development Area Development Scheme (the Flagstone Development Scheme).

In the absence of nominated criteria, the external criteria in the State Development Assessment Provisions, SDAP - *State Code 1: Development in a state-controlled Road Environment* has been adopted for the assessment of road traffic noise levels at outdoor education areas. The relevant sections of the Code are reproduced in **Section 2.2.1**.

In addition, recommended indoor design sound levels and reverberation times are presented for information in **Section 2.2.2**, derived from AS 2107, which would be relevant during the design stage of the school. Whilst SDAP provides internal design criteria, this is limited to the educational use within the school only. As such, use of AS 2107 is recommended instead as it recommends internal design sound levels consistent with SDAP for the educational spaces (i.e. classrooms), as well as internal design sound levels for other non-educational spaces typically encountered in a school.

2.2.1 SDAP State Code 1

The portions of the SDAP State Code 1 v3.3 relating to protecting outdoor educational areas from significant impacts resulting from roads carrying large volumes of traffic are shown in **Table 2**.



Table 2 SDAP State Code 1 Table 2 – Maximum free field acoustic levels

Applicable use	Acoustic levels
2.3: Outdoor education areas and outdoor play areas in a childcare centre or educational establishment	≤ 63 dBA L10 (12 hour) free field, between 6am and 6pm

2.2.2 AS/NZS 2107:2016

Internal acoustic design criteria are reproduced from AS/NZS 2107:2016 *Acoustics – Recommended design sound levels and reverberation times for building interiors* (AS 2107) in **Table 3** for the most common internal spaces/uses within a school.

Regards the criteria, under *Clause 4.4*, AS 2107 States:

“Sound levels within the given ranges have been found to be acceptable by most people for the space under consideration. When the sound level is greater than the upper level of the range most people occupying the space will become dissatisfied with the level of sound. When the sound level is below the lower level of the range, the inadequacy of background sound to provide masking sound can become problematic, for example, by allowing other intermittent noise sources to cause distraction, annoyance, or lack of privacy.

It is recommended that the school spaces be designed to meet the indoor sound level range for the combined road traffic and air conditioning noise. Typically, this means that road traffic noise levels meet the lower value of the range presented in **Table 3**.

Table 3 AS 2107 Recommended Indoor Design Sound Levels and Reverberation Times

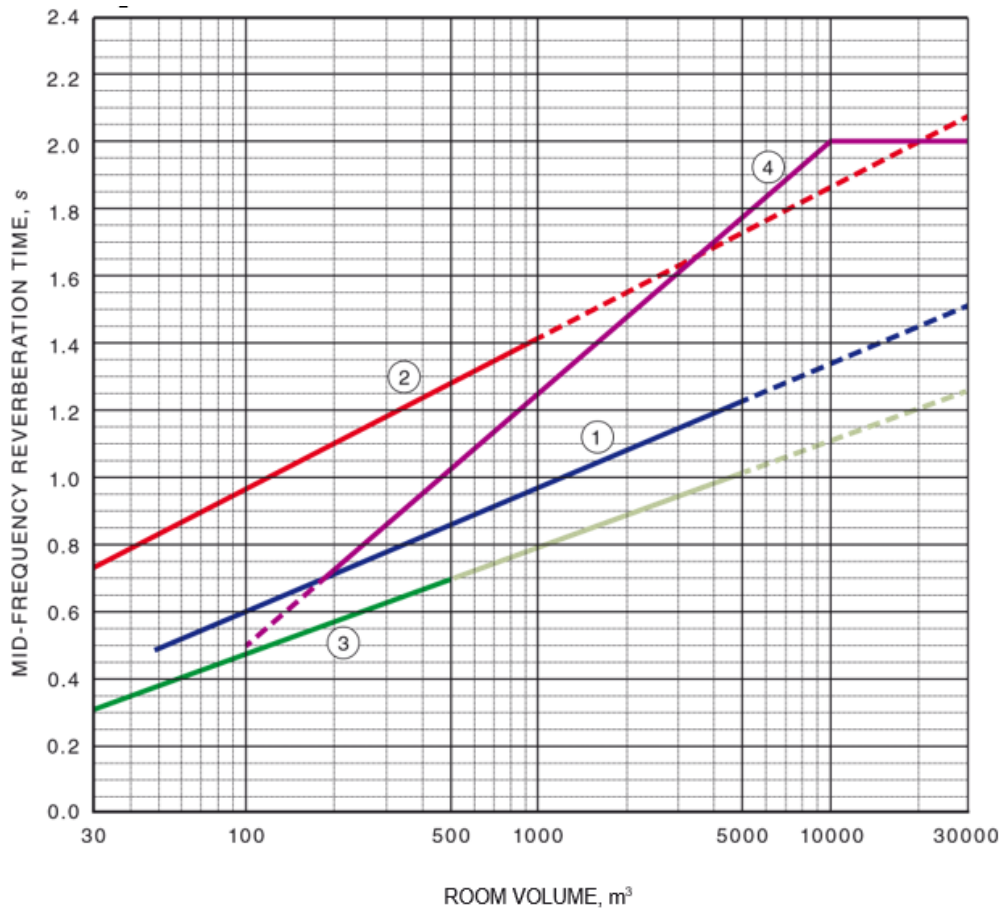
Type of Occupancy/Activity Educational Buildings	Design Sound Level Range, L _{Aeq,T} dBA	Reverberation time, seconds (for information)
Art/craft studios	40 to 45	< 0.8
Assembly halls up to 250 seats	30 to 40	0.6 to 0.8
Assembly halls over 250 seats	30 to 35	Curve 1*
Audio-visual areas	35 to 45	0.6 to 0.8
Computer rooms		
Teaching	40 to 45	0.4 to 0.6
Laboratories	45 to 50	0.4 to 0.6
Conference rooms	35 to 40	0.6 to 0.7
Corridors and lobbies	< 50	< 0.8
Drama studios	35 to 40	Curve 1 of Figure 1
Engineering workshops		
Teaching	< 45	See note 1
Non-teaching	< 60	See note 1
Weight training / Fitness room	< 50	< 1.0
Interview/counselling rooms	40 to 45	0.3 to 0.6
Laboratories		



Type of Occupancy/Activity Educational Buildings	Design Sound Level Range, $L_{Aeq,T}$ dBA	Reverberation time, seconds (for information)
Teaching	35 to 45	0.5 to 0.8
Working	40 to 50	0.5 to 0.8
Lecture rooms up to 50 seats	30 to 35	Curve 3 of Figure 1
Lecture Theatres		
Without speech reinforcement	30 to 35	Curve 3 of Figure 1
With speech reinforcement	30 to 40	Curve 3 of Figure 1
Libraries		
General areas	40 to 50	< 0.6
Reading areas	40 to 45	< 0.6
Manual arts workshops	< 45	< 0.8
Medical rooms (First Aid)	40 to 45	0.6 to 0.8
Music practice rooms	40 to 45	0.7 to 0.9
Music studios	30 to 35	Curve 2 of Figure 1 (see Note 3)
Office areas	40 to 45	0.4 to 0.7
Professional and administrative offices	35 to 40	0.6 to 0.8
Teaching spaces/single classroom		
Open plan teaching spaces	35 to 45	Curve 3 of Figure 1 (see Note 1)
Primary schools	35 to 45	Curve 3 of Figure 1 (see Note 2)
Secondary school	35 to 45	Curve 3*
Staff common areas	40 to 45	< 0.6
Staff studies / collegiate	40 to 45	0.4 to 0.6
Sports hall	< 50	Curve 4 of Figure 1
Toilet / change / shower	< 55	-
<p>Notes:</p> <ol style="list-style-type: none"> 1 Reverberation time should be minimized for noise control. 2 Certain teaching spaces, including those intended for students with learning difficulties and students with English as a second language, should have reverberation times at the lower end of the range. 3 Specialist advice should be sought for these spaces. 		



Figure 1 AS 2107 Figure A1



LEGEND:
Curve 1 = Speech/Lecture
Curve 2 = Music
Curve 3 = Teaching/Communication
Curve 4 = Sport



3.0 Noise Assessment Methodology

To assess road traffic noise levels, a three-dimensional computer model was created as a representation of the future noise intrusion, which incorporates the following inputs:

- Calculation algorithms. SoundPLAN 8.0 acoustic software implementation of the following accepted standards and methodologies:
 - UK Department of Transport Welsh Office Calculation of Road Traffic Noise 1988 (CoRTN). CoRTN is widely accepted in Australia for the calculation of road traffic noise and its use is recommended in the CoP Vol 1.
- Terrain elevation. Digital Elevation Model (DEM) built from:
 - Earthworks model supplied by Goodrock Property in file:
 - 2026-02-26_Riverbend Overall DTM.dwg
 - 3D LiDAR file representing the latest available survey (2024) outside the Precinct 1 study area.
- Project plans provided by Goodrock Property and reproduced in **Appendix A**, and file:
 - 20260226_Precinct 1 ROL POD Coordination_Consultant Issue 260226.dwg.
- Road traffic volumes. Provided by PSA Consulting for the 10-year after Precinct 1 construction estimated date of 2040.
- Ground surface corrections – Areas of soft (absorptive) and hard (reflective) ground.
- Sensitive receptors – Locations where the transportation noise levels are to be assessed.

3.1 Road Traffic Noise Modelling

Road traffic noise was modelled following general guidance from the CoP Vol 1.

Road traffic volumes have been provided by PSA Consulting and are presented in **Figure 2**. The traffic forecasts for the Year 2040 have been used, which are adopted as a 10-year after completion scenario.

The 18-hour traffic volume has further been estimated from the Annual Average Daily Traffic (AADT) traffic volume provided by the traffic consultant assuming 94% of traffic occurs between 6am-12am (midnight). The 6am-12am volumes used in noise modelling are presented in **Table 4**.

All road surfaces were assumed to be Dense Graded Asphalt (DGA). On this basis, a road surface correction factor of 0 dBA was applied for all road traffic noise predictions, in accordance with published corrections in *Table 4.3.4.1, Chapter 4 of TMR CoP Vol 1 (2013)*.

A -0.7 dBA (free field) or -1.7 dBA (1m from façade) road traffic calibration factor was applied, where applicable, in accordance with published corrections in *Table 4.3.2.1, Chapter 4 of the TMR CoP Vol 1 (2013)* with a further +2.5 dB facade correction factor in accordance with CoRTN.

The QDC MP4.4 Noise Categories were determined from the noise contour maps calculated at 1.8 m and 4.6 m above ground level as per the DEM, for the ground floor and first floor of two storey dwellings assumed for the development, respectively. The highest Noise Category predicted onto the lot is reported.



Road traffic noise contours were generated from noise predictions using a grid spacing of 0.5 m.

The following noise descriptor conversion factors were applied based on empirical relationships from other noise monitoring where road traffic was the dominant noise source:

- A +1.6 dBA conversion factor was applied to the free-field $L_{A10,18hr}$ CoRTN based noise predictions to allow for the prediction of the $L_{A10,12hr}$ noise levels at outdoor educational areas.
- Similarly, a +2.8 dBA conversion factor was applied to the free-field $L_{A10,18hr}$ CoRTN based noise predictions to allow for the prediction of the maximum $L_{Aeq,1hr}$ noise levels applicable to the recommended AS2107 based building design.

The conversion factor is based on the typical difference between the two noise descriptors when measured where road traffic is the dominant noise source.

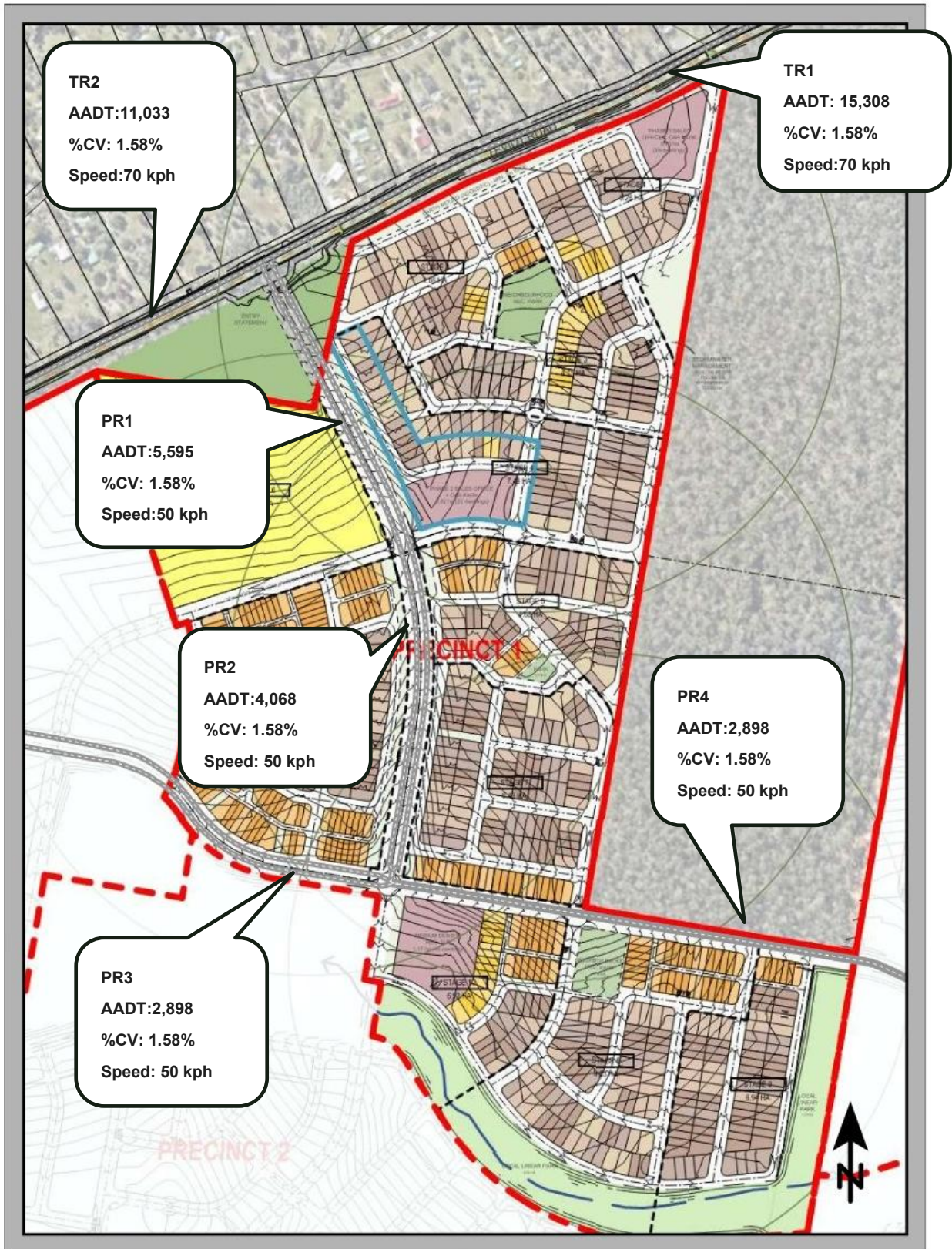
Table 4 2040 Road Traffic Forecasts

Road	Segment	AADT	18hr traffic volume	% Heavy Vehicles	Posted Speed, Km/h
TR1	East of PR1	15,308	14,390	1.6	70
TR2	West of PR1	11,033	10,371	1.6	70
PR1	South of TR1	5,595	5,259	1.6	50
PR2	South of TR1	4,068	3,824	1.6	50
PR3	West of PR2	1,357	1,276	1.6	50
PR4	East of PR2	2,898	2,724	1.6	50

PR3 was derived by SLR's Transport Team from the proportions between PR3 and PR4 provided in a separate ultimate traffic volume forecast



Figure 2 2040 Traffic volume estimates (Source: PSA Project Consulting)

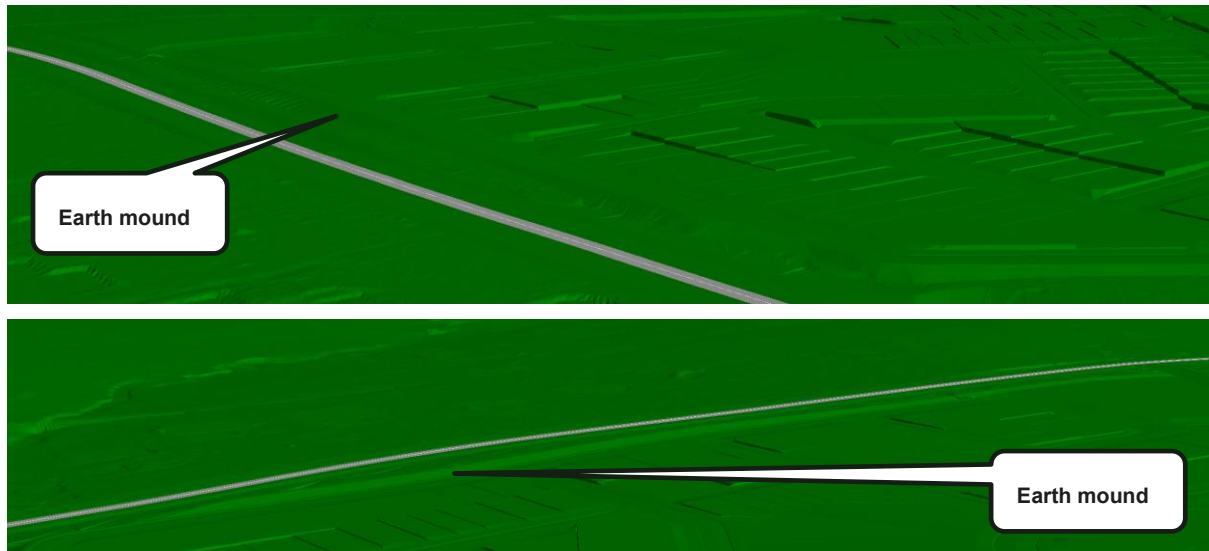


3.1.1 Earth mounds

As discussed in **Section 4.0**, noise barriers have not been considered as a mitigation measure for road traffic noise levels. However, an earth mound has been proposed by Celestino to reduce the noise produced by Teviot Road and has been incorporated in the noise model as the default noise mitigation.

The earth mound to be built in front of Lots 11051, 11004-11007, 11026-11029, 12001-12004, 12015-12025 is shown in 3D from the noise model in **Figure 3**.

Figure 3 Acoustic screening to Teviot Road via earth mound



3.1.2 Road Traffic Noise Model Verification

It is acknowledged that, according to the CoP Vol 1, a road traffic noise model is deemed to be verified if the average difference between the measured and calculated values of the noise descriptors is no more than ± 2.0 dBA.

A road traffic model verification for new roads to be built as part of the project is not possible at this stage as the roads are non-existing. However, past experience has shown that noise predictions using CoRTN typically result in conservative predictions of levels at receptors.



4.0 Noise Assessment Results

4.1 QDC MP4.4 Noise Categories at Residential Receptors

Noise assessment results are provided in the form of noise contours, shown **Figure 4** to **Figure 11**, which depict the noise levels for the various Precinct 1 stages. The contours show the predicted LA_{10,18hr} noise level descriptor and the applicable QDC MP4.4 Category(s) relevant to predicted noise level.

QDC MP4.4 Categories applicable to all the subdivided lots of Precinct 1, related to road traffic noise are also presented in **Appendix C (Table C-1)**. The results present the lot number, stage, modelled ground elevation at the (approximate) centre of the lot and the QDC MP4.4 Noise Category for Ground Floor and First Floor noise levels. The Noise Category was determined from the resulting noise contour maps shown as the highest Noise Category within developable areas within the lot.

The following QDC MP4.4 Noise Categories are predicted for these lots:

- Noise Category 0-2 on Ground Floor levels.
- Noise Category 0-2 on First Floor levels.

Since the noise predictions did not exceed QDC MP4.4 Noise Category 2, the introduction of noise barriers was not considered further.

The following Noise Categories are identified preliminary for the following unsubdivided lots (see the noise map figures for reference):

- Lot 11051 will comprise 29 dwellings. Preliminary:
Noise Category 0 to Noise Category 2 will apply on Ground Floor.
Noise Category 0 to Noise Category 2 will apply on First Floor.¹
- Lot 14088 will comprise 32 dwellings. Preliminary:
Noise Category 0 to Noise Category 1 will apply on Ground Floor.
Noise Category 0 to Noise Category 2 will apply on First Floor.
- Lot 110045 will comprise 46 dwellings. Preliminary:
Noise Category 0 to Noise Category 2 will apply on Ground Floor.
- Noise Category 0 to Noise Category 2 will apply on First Floor.

The above Lots are not included in the **Appendix C (Table C-1)** results. A lot specific assessment is recommended to be conducted to define the Lot specific QDC MP4.4 Noise Categories for the 107 dwellings, particularly if these include more than two storeys. In the absence of this, the highest Noise Categories noted above applies to all the future dwellings within Lots 11051, 14088 and 110045.

¹ The small area showing Noise Category 3 in **Figure 8** and **Figure 9** has been disregarded as this is expected to be developed as an access road or driveway, as per the surrounding lots.



Figure 7 - Riverbend Precinct 1

2040 Road Traffic Noise Levels With Earth Mound

Facade Corrected Ground Floor Noise Levels at 1.8m Above the Ground

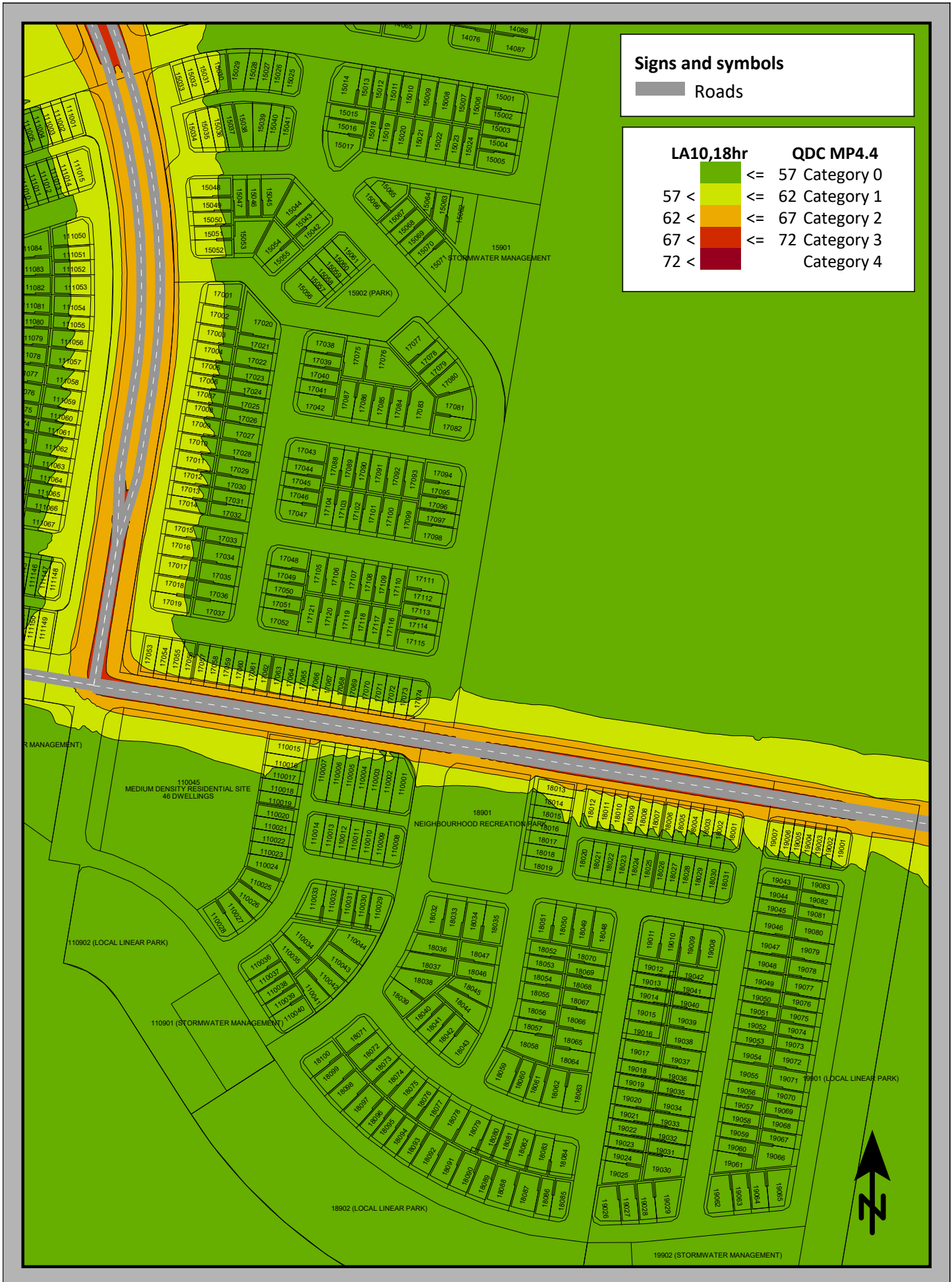


Figure 8 - Riverbend Precinct 1

2040 Road Traffic Noise Levels With Earth Mound

Facade Corrected First Floor Noise Levels at 4.6m Above the Ground

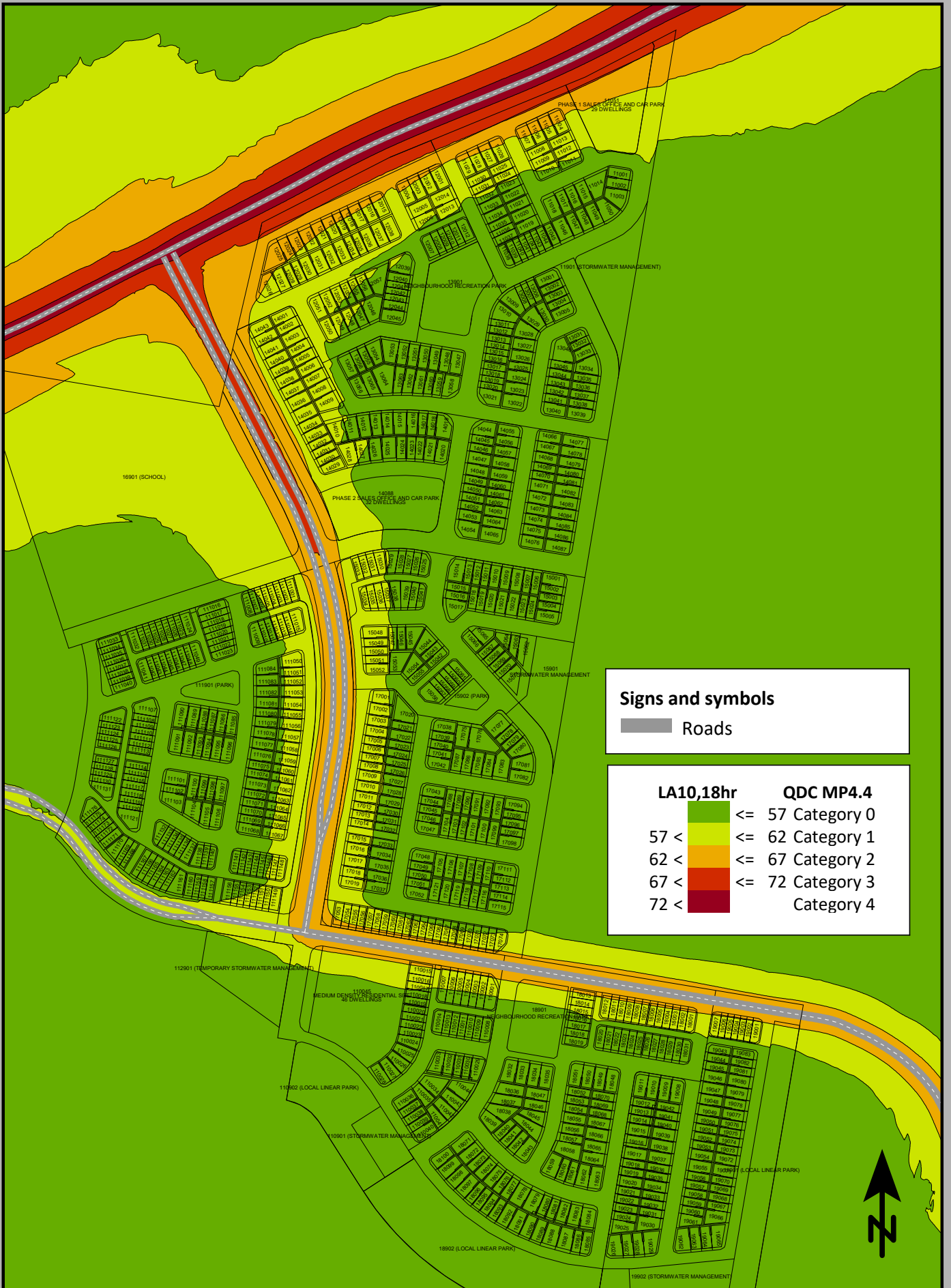
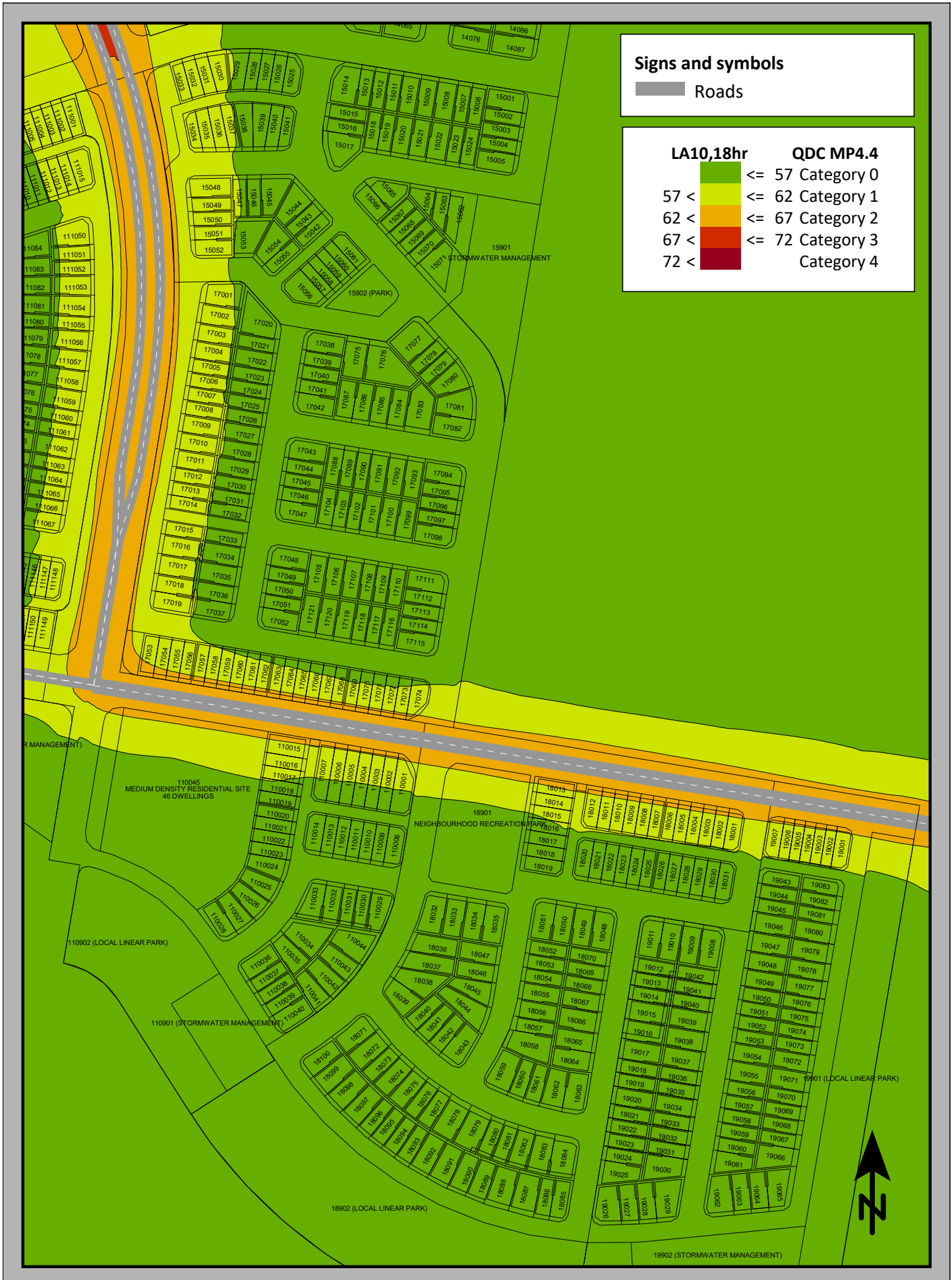


Figure 11 - Riverbend Precinct 1

2040 Road Traffic Noise Levels With Earth Mound

Facade Corrected First Floor Noise Levels at 4.6m Above the Ground



4.2 Road Traffic Noise Levels at Educational Areas

A noise contour map is presented in **Figure 12** to demonstrate the road traffic noise levels onto outdoor educational areas of the school. As the figure shows, in 2040, noise levels are predicted to comply with the 63 dBA $L_{A10,12hr}$ noise limit at almost all areas of the school site. Therefore, no further noise mitigation in the form of noise barriers is proposed for the 2040 road traffic scenario.

Similarly, the maximum free-field $L_{Aeq,1hr}$ noise predictions are presented in **Figure 13** and **Figure 14** assuming two storey school buildings. The results are provided for information only.



5.0 Recommendations

5.1 Noise Screening

Due to the resulting noise levels not exceeding QDC MP4.4 Noise Category 2 on Ground Floor levels, further noise mitigation in the form of noise barriers has not been recommended.

As discussed in **Section 4.0**, an earth mound has been proposed by Celestino to reduce the noise produced by Teviot Road. The earth mound is to be built at the location and top RL ground levels modelled in the following file:

- 2026-02-26_Riverbend Overall DTM.dwg

5.2 QDC MP4.4 Noise Category requirements

QDC MP4.4 Categories applicable to the relevant lots pertaining the assessed Precinct 1 are specified in **Table C-1 (Appendix C)**.

The following Noise Categories are identified preliminary for the following unsubdivided lots, not listed in **Appendix C** (see the noise map figures for reference):

- Lot 11051 will comprise 29 dwellings. Preliminary:
Noise Category 0 to Noise Category 2 will apply on Ground Floor.
Noise Category 0 to Noise Category 2 will apply on First Floor.
- Lot 14088 will comprise 32 dwellings. Preliminary:
Noise Category 0 to Noise Category 1 will apply on Ground Floor.
Noise Category 0 to Noise Category 2 will apply on First Floor.
- Lot 110045 will comprise 46 dwellings. Preliminary:
Noise Category 0 to Noise Category 2 will apply on Ground Floor.
- Noise Category 0 to Noise Category 2 will apply on First Floor.

A lot specific assessment is recommended to be conducted to define the Lot specific QDC MP4.4 Noise Categories for the 107 dwellings, particularly if these include more than two storeys. In the absence of this, the highest Noise Categories noted above applies to all the future dwellings within Lots 11051, 14088 and 110045.

The Rw rating applicable to the dwelling facade elements for each of the QDC MP4.4 Categories are presented in **Table 1**. Acceptable forms of construction are reproduced from Schedule 2 of QDC MP4.4 in **Appendix B**, noting that other forms of construction are acceptable where they meet the required Rw rating.

The noise attenuation provided by the dwelling facade will be largely limited by the window elements; therefore, it is recommended that facade glazing systems (window + frame + seals) required to achieve a minimum Rw performance are supplied with an acoustic test report conducted in Australia by a qualified consultant who is a member of the Australian Acoustical Society (AAS), or an acoustic consultant who works for a member firm of the Association of Australasian Acoustical Consultants (AAAC).

The acoustic test report should address the requirements in the following standards:

- AS 1191-2002 *Acoustics – Method for laboratory measurement of airborne sound transmission insulation of building elements*



- ISO 717-1:2013 *Acoustics – Rating of sound insulation in buildings and of building elements – Part 1: Airborne sound insulation*

It should be noted that, as stated in QDC MP4.4:

- “the part applies to building work for the construction or renovation of a residential building in a designated transport noise corridor”;

therefore, it is only relevant at the Building Application stage of the individual lots being the building owner responsible for obtaining certification.

A lower Noise Category should be acceptable at specific facades of the future dwellings depending on the layout of these within the lots, pending demonstration of the road traffic noise levels onto specific habitable spaces within a dwelling via a lot specific noise assessment based on architectural drawings, presented by the lot owner.

5.3 School Building Design

The maximum free-field $L_{Aeq,1hr}$ noise predictions are presented in **Figure 13** and **Figure 14** assuming two storey school buildings. The results are provided for information only at this stage in the absence of further details of the school layout.

It is recommended that a detailed road traffic noise intrusion assessment be conducted at a later stage to design the school spaces with consideration of the AS 2107 recommended indoor design sound levels and reverberation times following guidance from the recommendations in **Section 2.2.2**, as minimum.



6.0 Conclusion

SLR Consulting Pty Ltd (SLR) has completed a revised road traffic noise assessment of the Riverbend Precinct 1.

The assessment was conducted following guidance from the Queensland Department of Transport and Main Roads (DTMR) – Transport Noise Management: Code of Practice Volume 1 - Road Traffic Noise, dated November 2013 (CoP Vol 1).

A computational noise model was used to predict the noise levels from relevant roads, which was based on inputs provided by the Project civil and traffic consultants.

Road traffic noise levels at residential lots

This assessment presented the results of noise predictions limited to the road traffic noise impacts or traffic volumes impacting Precinct 1, relevant to 10 years after completion of Precinct 1 only, as required by QDC MP4.4.

The following QDC MP4.4 Noise Categories are predicted:

- Noise Category 0-2 on Ground Floor levels.
- Noise Category 0-2 on First Floor levels.

Due to the resulting noise levels not exceeding QDC MP4.4 Noise Category 2 on the Ground Floor, further noise mitigation in the form of noise barriers has not been recommended. However, an earth mound is to be constructed to the minimum elevations shown in the civil design files provided to inform this noise assessment.

The Queensland Development Code Mandatory Part 4.4 (QDC MP4.4) were determined for the residential uses within Precinct 1. The Noise Categories are presented in detail on a per lot basis in **Appendix C**.

The following Noise Categories are identified preliminary for the following unsubdivided lots, not listed in **Appendix C** (see the noise map figures for reference):

- Lot 11051 will comprise 29 dwellings. Preliminary:
Noise Category 0 to Noise Category 2 will apply on Ground Floor.
Noise Category 0 to Noise Category 2 will apply on First Floor.²
- Lot 14088 will comprise 32 dwellings. Preliminary:
Noise Category 0 to Noise Category 1 will apply on Ground Floor.
Noise Category 0 to Noise Category 2 will apply on First Floor.
- Lot 110045 will comprise 46 dwellings. Preliminary:
Noise Category 0 to Noise Category 2 will apply on Ground Floor.
- Noise Category 0 to Noise Category 2 will apply on First Floor.

A lot specific assessment is recommended to be conducted to define the Lot specific QDC MP4.4 Noise Categories for the 107 dwellings, particularly if these include more than two storeys. In the absence of this, the highest Noise Categories noted above applies to all the future dwellings within Lots 11051, 14088 and 110045.

² The small area showing Noise Category 3 in **Figure 8** and **Figure 9** has been disregarded as this is expected to be developed as an access road or driveway, as per the surrounding lots.



The R_w rating applicable to the dwelling facade elements are presented in **Table 1**. Acceptable forms of construction are reproduced from *Schedule 2* of *QDC MP4.4* in **Appendix B**, noting that other forms of construction are acceptable where they meet the required R_w rating.

The predicted *QDC MP4.4* Noise Categories presented in this report represent the highest Noise Category for any part of the Lot (rather than on the building envelope). A lower Noise Category may be applicable depending on the position and layout of the building on the Lot.

A lower Noise Category should be acceptable at specific facades of the future dwellings depending on the layout of these within the lots, pending demonstration of the road traffic noise levels onto specific habitable spaces within a dwelling via a lot-specific noise assessment based on architectural drawings, presented by the lot owner.

Road traffic noise levels at the school

Road traffic noise predictions showed compliance with the 63 dBA $L_{A10,12hr}$ noise limit for outdoor education areas in 2040. No further noise mitigation in the form of noise barriers is proposed for the 2040 road traffic scenario.

Similarly, the maximum free-field $L_{Aeq,1hr}$ noise predictions are presented in **Figure 13** and **Figure 14** assuming two storey school buildings. The results are provided to inform the likely impacts onto indoor school areas.

It is recommended that a detailed road traffic noise intrusion assessment be conducted at a later stage to design the school spaces with consideration of the AS 2107 recommended indoor design sound levels and reverberation times following guidance from the recommendations in **Section 2.2.2**, as minimum.





Appendix A Riverbend Precinct 1 Layout Plans

Riverbend Precinct 1

Road Traffic Noise Intrusion Assessment

Celestino Developments Pty Ltd

SLR Project No.: 620.041596.00003

12 March 2026

PROJECT

RIVERBEND

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NOTES

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ALL DIMENSIONS HAVE BEEN ROUNDED TO THE NEAREST 0.1 METRES AND ALL AREAS HAVE BEEN ROUNDED TO THE NEAREST SQUARE METRE.

THE BOUNDARIES ON THIS PLAN SHOULD NOT BE USED FOR THE FINAL DESIGN AND ARE SUBJECT TO FINAL DETAILED DESIGN BY ENGINEERS.

INFORMATION ON THIS PLAN ARE FROM THE FOLLOWING SOURCES:

SITE BOUNDARIES: COLLIERS (JANUARY 2026)
ADJOINING CADASTRE: QSPATIAL
DESIGN CONTOURS: COLLIERS (FEBRUARY 2026)
EXISTING CONTOURS: COLLIERS (JANUARY 2026)

ISSUE CODE	ISSUE DESCRIPTION	BY	CHK	DATE
-	PRE DRAFT ISSUE	NV	NV	05/09/2025
A	PRE DRAFT ISSUE	NV	NV	12/09/2025
B	PRE FINAL ISSUE	NV	NV	30/09/2025
C	PRE DRAFT ISSUE	NV	NV	02/02/2026
D	PRE FINAL ISSUE	NV	NV	04/03/2026
E	PRE FINAL ISSUE	NV	NV	10/03/2026

PRE - Preliminary | CA - Council Approval | T - Tender | CON - Construction

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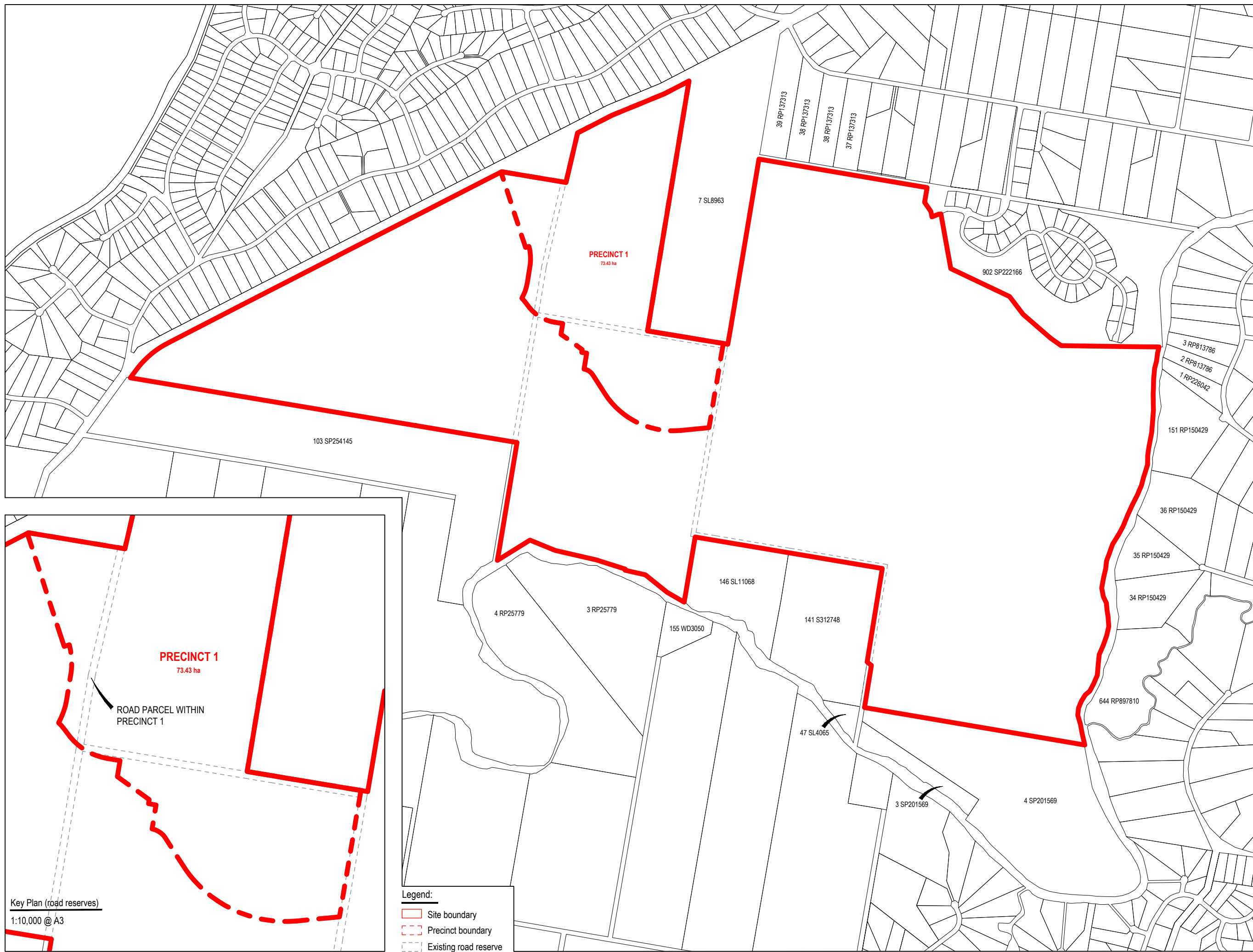
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DOCUMENT : TD / NV
PROJECT : 4123001
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DRAWING NUMBER : 4123001 - 26
REVISION : D



Legend:

- Site boundary
- Precinct boundary
- Existing road reserve

Key Plan (road reserves)
1:10,000 @ A3

PROJECT

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- DESIGN CONTOURS: COLLIERS (FEBRUARY 2026)
- EXISTING CONTOURS: COLLIERS (JANUARY 2026)

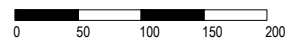
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B	PRE	FINAL ISSUE	NV	NV	30/09/2025
C	PRE	DRAFT ISSUE	NV	NV	02/02/2026
D	PRE	FINAL ISSUE	NV	NV	04/03/2026
E	PRE	FINAL ISSUE	NV	NV	10/03/2026

PRE - Preliminary | CA - Council Approval | T - Tender | CON - Construction

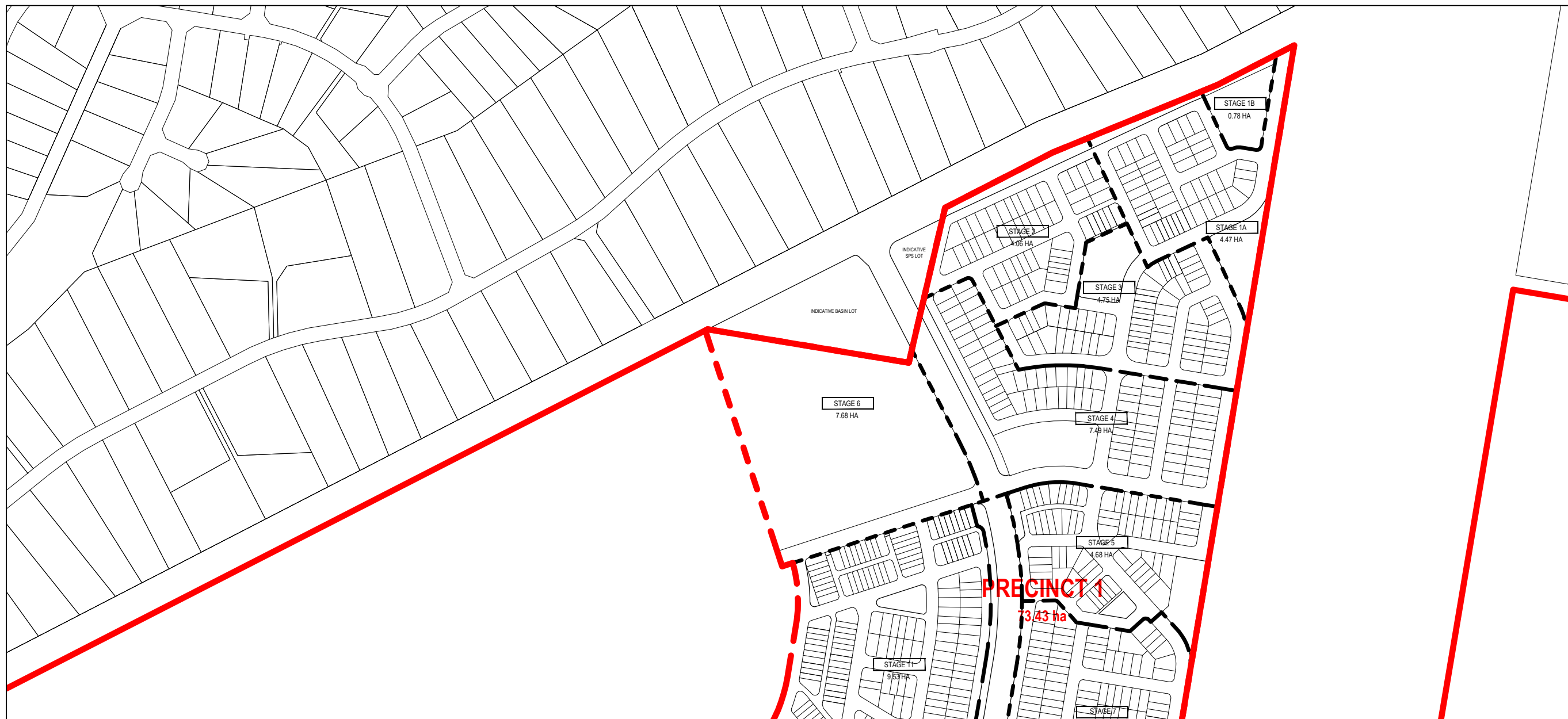
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PRECINCT 1 -
STAGING PLAN

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DOCUMENT : TD / NV
PROJECT : 4123001
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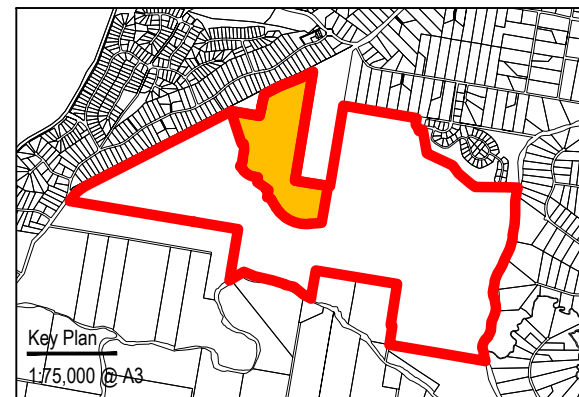
DRAWING NUMBER : 4123001 - 27
REVISION : E



PRECINCT 1
73.43 ha

Residential Net Density Precinct 1	Calculation **		Rate
	Area (ha) **	Total Lots/Dwellings	
Stage 1A	3.46	50	14.45
Stage 1B	0.78	29	37.18
Stage 2	4.06	60	14.78
Stage 3	4.43	69	15.58
Stage 4	5.69	119	20.91
Stage 5	3.76	74	19.68
Stage 6 (School)	0	0	N/A
Stage 7	5.81	124	21.34
Stage 8	6.50	100	15.38
Stage 9	3.86	83	21.50
Stage 10	3.97	90	22.67
Stage 11	8.55	176	20.58
Stage 12 (Temp. Stormwater Basin)	0	0	N/A
Precinct 1 Total	50.87	974	19.15

- Legend:
- Site boundary
 - Precinct boundary
 - Stage boundary



** EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks

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ADJOINING CADASTRE: QSPATIAL
DESIGN CONTOURS: COLLIERS (FEBRUARY 2026)
EXISTING CONTOURS: COLLIERS (JANUARY 2026)

ISSUE	CODE	ISSUE DESCRIPTION	BY	CHK	DATE
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B	PRE	FINAL CONSULTANT ISSUE	NV	NV	24/09/2025
C	PRE	FINAL CONSULTANT ISSUE	NV	NV	26/09/2025
D	PRE	FINAL ISSUE	NV	NV	30/09/2025
E	PRE	DRAFT ISSUE	NV	NV	02/02/2026
F	PRE	FINAL ISSUE	NV	NV	04/03/2026
G	PRE	FINAL ISSUE	NV	NV	10/03/2026

PRE - Preliminary | CA - Council Approval | T - Tender | CON - Construction

DRAWING TITLE

PRECINCT 1 -
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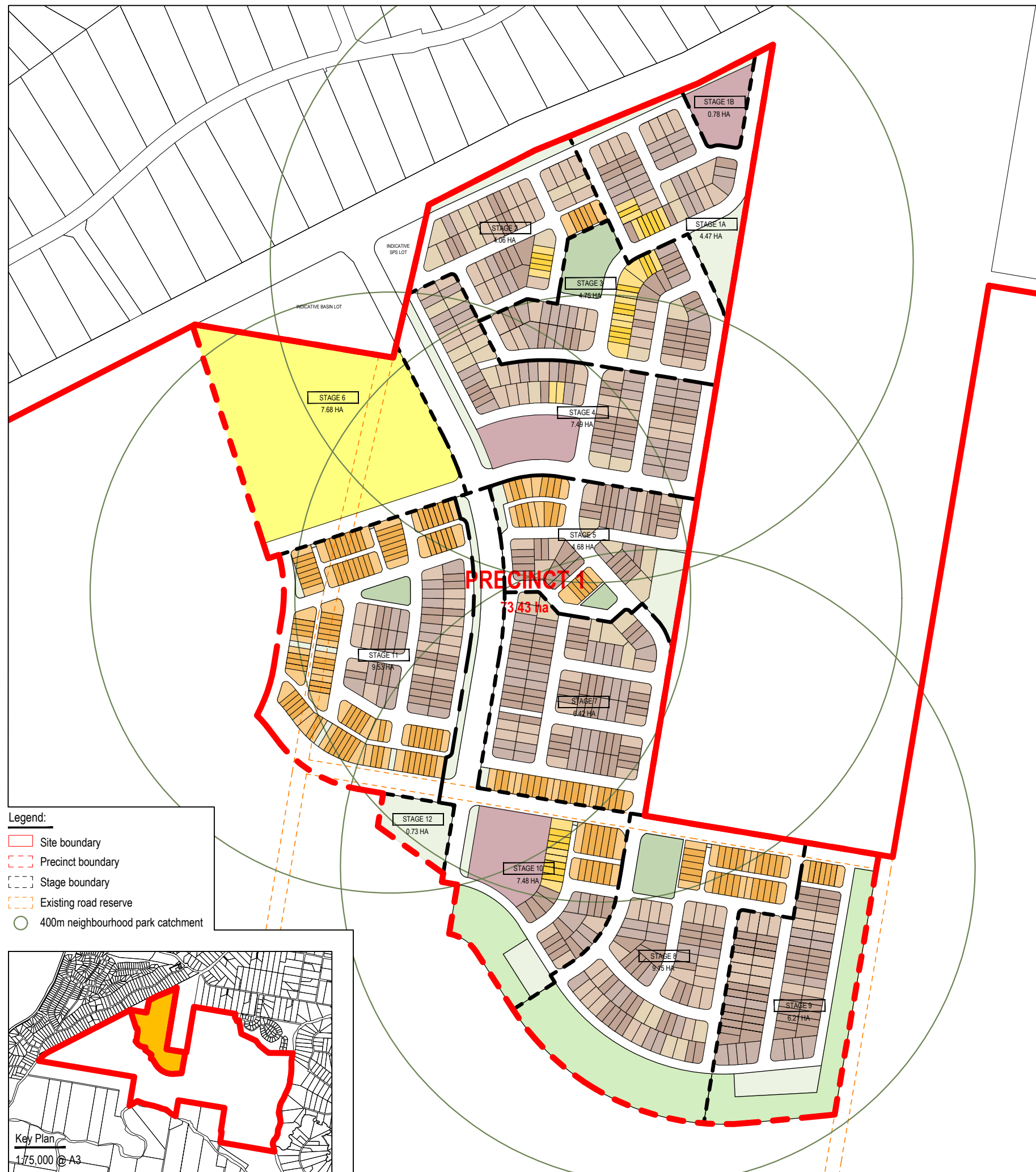
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4123001 - 28 G

Yield Summary Precinct 1 Summary	Typical Dimensions	Typical Area	Precinct 1		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	22	2.53%	0.52
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	20	2.30%	0.68
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	148	16.99%	3.72
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	74	8.50%	2.53
Sub Total			264	30.31%	7.45
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	241	27.67%	7.72
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	157	18.03%	6.33
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	157	18.03%	7.05
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	36	4.13%	2.04
Sub Total			591	67.85%	23.14
Sub Total Residential Allotment Yield			855	98.16%	30.59
Additional Allotment Type					
Medium Density Site	-	-	3	0.34%	2.68
Primary School	-	-	1	0.11%	7.00
Local Linear Park	-	-	3	0.34%	4.66
Local and Neighbourhood Recreation Park	-	-	4	0.46%	1.38
Stormwater Management	-	-	5	0.57%	2.10
Total Additional Allotment Type Yield			16	1.84%	17.82
Total Allotments			871	100.00%	48.41
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	12	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	107	-	-
Sub Total Maximum Potential Residential Dwellings			119	-	-
Total Maximum Potential Residential Dwellings			974	-	33.27
Maximum Potential Net Residential Density			19.12 dw/ha		
Land Budget Summary Precinct 1 Summary			Summary		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			23.14	31.51%	
Low-Medium Density Residential			7.45	10.15%	
Medium Density Site			2.68	3.65%	
Sub Total			33.27	45.31%	
Open Space					
Local Linear Parks			4.66	6.35%	
Local and Neighbourhood Recreation Parks			1.38	1.88%	
Linear Pockets (incl. Earth Mounds and Pedestrian Links)			2.22	3.02%	
Stormwater Management			2.10	2.86%	
Sub Total			10.36	14.11%	
Education					
Primary School			7.00	9.53%	
Sub Total			7.00	9.53%	
Services and Street Network					
Trunk and Neighbourhood Connectors			8.80	11.98%	
Local Street Network			14.00	19.07%	
Sub Total			22.80	31.05%	
Proposed Total			73.43	100.00%	
Existing road reserve			-2.80	-	
Proposed total area less existing road reserve			70.63	-	



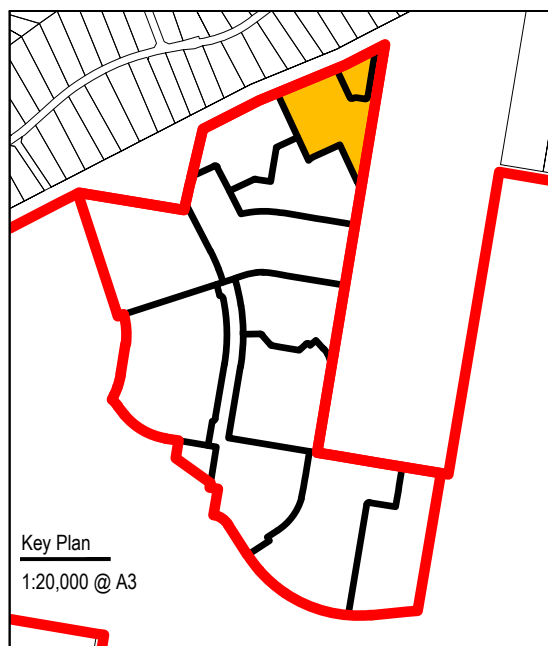
PRECINCT 1
73.43 ha

STAGE 1A 4.47 HA
STAGE 1B 0.78 HA
STAGE 2 4.05 HA
STAGE 3 4.75 HA
STAGE 4 7.48 HA
STAGE 5 4.68 HA
STAGE 6 7.68 HA
STAGE 7 8.42 HA
STAGE 8 9.95 HA
STAGE 9 6.27 HA
STAGE 10 7.48 HA
STAGE 11 9.53 HA
STAGE 12 0.73 HA

Yield Summary Precinct 1	Typical Dimensions	Typical Area	Stage 1A		Stage 1B		Stage 2		Stage 3		Stage 4		Stage 5		Stage 6		Stage 7		Stage 8		Stage 9		Stage 10		Stage 11		Stage 12		Total	
			No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)	No. of Lots	Area (ha)
Residential Allotment Type																														
30m Deep Attached (Terrace) Allotment (30 dw/ha)																														
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	5	0.11	0	0.00	3	0.07	8	0.18	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	6	0.16	0	0.00	0	0.00	22	0.52
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	4	0.12	0	0.00	2	0.06	8	0.30	2	0.06	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	4	0.14	0	0.00	0	0.00	20	0.68
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00	0	0.00	4	0.10	0	0.00	0	0.00	13	0.35	0	0.00	14	0.38	21	0.57	5	0.11	10	0.33	81	1.88	0	0.00	148	3.72
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00	0	0.00	2	0.08	0	0.00	0	0.00	10	0.33	0	0.00	8	0.23	10	0.30	2	0.07	4	0.18	38	1.34	0	0.00	74	2.53
Sub Total			9	0.23	0	0.00	11	0.31	16	0.48	2	0.06	23	0.68	0	0.00	22	0.61	31	0.87	7	0.18	24	0.81	119	3.22	0	0.00	264	7.45
30m Deep Detached Allotment (18 dw/ha)																														
10.0m Villa Allotment	10.0m x 30.0m	300m ²	7	0.23	0	0.00	11	0.41	23	0.75	19	0.58	29	0.91	0	0.00	46	1.39	26	0.89	44	1.39	12	0.43	24	0.74	0	0.00	241	7.72
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	18	0.70	0	0.00	4	0.15	12	0.54	33	1.30	7	0.26	0	0.00	31	1.19	14	0.58	16	0.67	5	0.23	17	0.71	0	0.00	157	6.33
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	14	0.64	0	0.00	24	1.06	13	0.59	23	1.03	8	0.39	0	0.00	16	0.70	24	1.10	16	0.68	3	0.15	16	0.71	0	0.00	157	7.05
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	2	0.10	0	0.00	7	0.39	2	0.12	10	0.52	4	0.27	0	0.00	6	0.38	5	0.26	0	0.00	0	0.00	0	0.00	0	0.00	36	2.04
Sub Total			41	1.67	0	0.00	46	2.01	50	2.00	85	3.43	48	1.83	0	0.00	99	3.66	69	2.83	76	2.74	20	0.81	57	2.16	0	0.00	591	23.14
Sub Total Residential Allotment Yield			50	1.90	0	0.00	57	2.32	66	2.48	87	3.49	71	2.51	0	0.00	121	4.27	100	3.70	83	2.92	44	1.62	176	5.38	0	0.00	855	30.59
Additional Allotment Type																														
Medium Density Site	-	-	0	0.00	1	0.69	0	0.00	0	0.00	1	0.82	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	1.17	0	0.00	0	0.00	3	2.68
Primary School	-	-	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	7.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	7.00
Local Linear Park	-	-	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1	2.05	1	1.70	1	0.91	0	0.00	0	0.00	3	4.66
Local and Neighbourhood Recreation Park	-	-	0	0.00	0	0.00	0	0.00	1	0.61	0	0.00	1	0.10	0	0.00	0	0.00	1	0.50	0	0.00	0	0.00	1	0.17	0	0.00	4	1.38
Stormwater Management	-	-	1	0.19	0	0.00	0	0.00	0	0.00	0	0.00	1	0.48	0	0.00	0	0.00	0	0.00	1	0.41	1	0.29	0	0.00	1	0.73	5	2.10
Total Additional Allotment Type Yield			1	0.19	1	0.69	0	0.00	1	0.61	1	0.82	2	0.58	1	7.00	0	0.00	2	2.55	2	2.11	3	2.37	1	0.17	1	0.73	16	17.82
Total Allotments			51	2.09	1	0.69	57	2.32	67	3.09	88	4.31	73	3.09	1	7.00	121	4.27	102	6.25	85	5.03	47	3.99	177	5.55	1	0.73	871	48.41
Maximum Potential Residential Dwellings																														
Optional Duplex Allotments	-	-	0	-	0	-	3	-	3	-	0	-	3	-	0	-	3	-	0	-	0	-	0	-	0	-	0	-	12	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	29	-	0	-	0	-	32	-	0	-	0	-	0	-	0	-	0	-	46	-	0	-	0	-	107	-
Sub Total Maximum Potential Residential Dwellings			0	-	29	-	3	-	3	-	32	-	3	-	0	-	3	-	0	-	0	-	46	-	0	-	0	-	119	-
Total Maximum Potential Residential Dwellings			50	1.90	29	0.69	60	2.32	69	2.48	119	4.31	74	2.51	0	0.00	124	4.27	100	3.70	83	2.92	90	2.79	176	5.38	0	0.00	974	33.27
Maximum Potential Net Residential Density																														
			14.45 dw/ha		37.18 dw/ha		14.78 dw/ha		15.58 dw/ha		20.91 dw/ha		19.68 dw/ha		N/A		21.34 dw/ha		15.38 dw/ha		21.50 dw/ha		22.67 dw/ha		20.58 dw/ha		N/A		19.15 dw/ha	
Land Budget Summary Precinct 1																														
Land Use Type	Stage 1A		Stage 1B		Stage 2		Stage 3		Stage 4		Stage 5		Stage 6		Stage 7		Stage 8		Stage 9		Stage 10		Stage 11		Stage 12		Total			
	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%	Area (ha)	%		
Residential																														
Low Density Residential	1.67	37.36%	0.00	0.00%	2.01	49.51%	2.00	42.11%	3.43	45.79%	1.83	39.10%	0.00	0.00%	3.66	57.01%	2.83	30.93%	2.74	44.12%	0.81	10.83%	2.16	22.67%	0.00	0.00%	23.14	31.51%		
Low-Medium Density Residential	0.23	5.15%	0.00	0.00%	0.31	7.64%	0.48	10.11%	0.06	0.80%	0.68	14.53%	0.00	0.00%	0.61	9.50%	0.87	9.51%	0.18	2.90%	0.81	10.83%	3.22	33.79%	0.00	0.00%	7.45	10.15%		
Medium Density Site	0.00	0.00%	0.69	88.46%	0.00	0.00%	0.00	0.00%	0.82	10.95%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	1.17	15.64%	0.00	0.00%	0.00	0.00%	2.68	3.65%		
Sub Total	1.90	42.51%	0.69	88.46%	2.32	57.14%	2.48	52.21%	4.31	57.54%	2.51	53.63%	0.00	0.00%	4.27	66.51%	3.70	40.44%	2.92	47.02%	2.79	37.30%	5.38	56.45%	0.00	0.00%	33.27	45.31%		
Open Space																														
Local Linear Parks	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	2.05	22.40%	1.70	27.38%	0.91	12.17%	0.00	0.00%	0.00	0.00%	4.66	6.35%		
Local and Neighbourhood Recreation Parks	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.61	12.84%	0.00	0.00%	0.10	2.14%	0.00	0.00%	0.00	0.00%	0.50	5.46%	0.00	0.00%	0.00	0.00%	0.17	1.78%	0.00	0.00%	1.38	1.88%		
Linear Pockets (incl. Earth Mounds and Pedestrian Links)	0.61	13.65%	0.09	11.54%	0.32	7.88%	0.00	0.00%	0.32	4.27%	0.10	2.14%	0.00	0.00%	0.08	1.25%	0.00	0.00%	0.00	0.00%	0.56	7.49%	0.14	1.47%	0.00	0.00%	2.22	3.02%		
Stormwater Management	0.19	4.25%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.48	10.26%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.41	6.60%	0.29	3.88%	0.00	0.00%	0.73	100.00%	2.10	2.86%		
Sub Total	0.80	17.90%	0.09	11.54%	0.32	7.88%	0.61	12.84%	0.32	4.27%	0.68	14.53%	0.00	0.00%	0.08	1.25%	2.55	27.87%	2.11	33.98%	1.76	23.53%	0.31	3.25%	0.73	100.00%	10.36	14.11%		
Education																														
Primary School	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	7.00	91.15%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	7.00	9.53%
Sub Total	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	7.00	91.15%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	0.00	0.00%	7.00	9.53%
Services and Street Network																														
Trunk and Neighbourhood Connectors	0.82	18.34%	0.00	0.00%	0.00	0.00%	0.32	6.74%	1.80	24.03%	0.44	9.40%	0.68	8.85%	0.61	9.50%	0.60	6.56%	0.24	3.86%	2.31	30.88%	0.98	10.28%</						

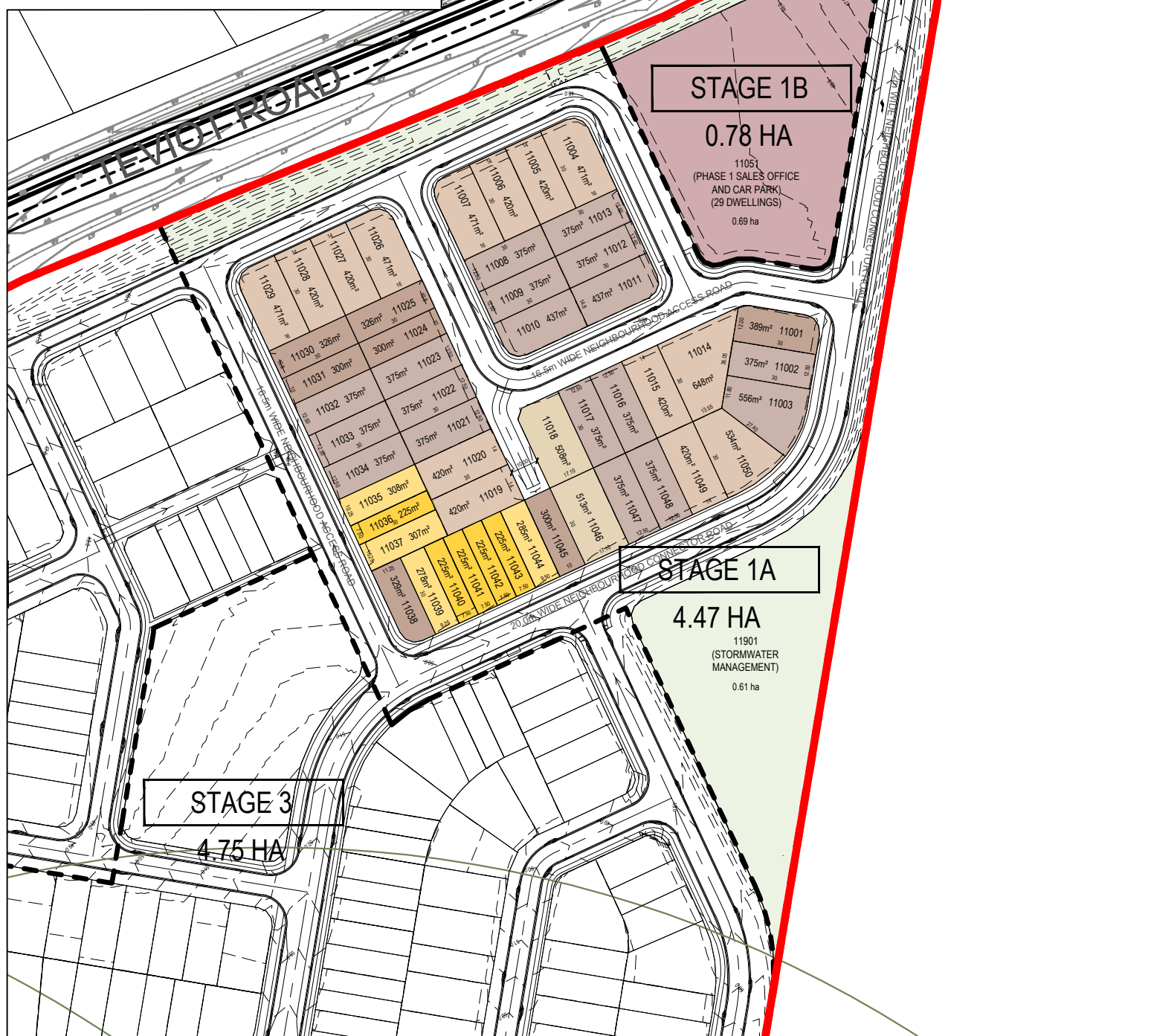
Yield Breakdown Stages 1A and 1B	Typical Dimensions	Typical Area	Stage 1A			Stage 1B		
			No. of Lots	%	Area (ha)	No. of Lots	%	Area (ha)
Lot Type								
30m Deep Attached (Terrace) Allotment (30 dw/ha)								
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	5	9.80%	0.11	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	4	7.84%	0.12	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00	0	0.00%	0.00
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00	0	0.00%	0.00
Sub Total			9	17.65%	0.23	0	0.00%	0.00
30m Deep Detached Allotment (18 dw/ha)								
10.0m Villa Allotment	10.0m x 30.0m	300m ²	7	13.73%	0.23	0	0.00%	0.00
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	18	35.29%	0.70	0	0.00%	0.00
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	14	27.45%	0.64	0	0.00%	0.00
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	2	3.92%	0.10	0	0.00%	0.00
Sub Total			41	80.39%	1.67	0	0.00%	0.00
Sub Total Residential Allotment Yield			50	98.04%	1.90	0	0.00%	0.00
Additional Allotment Type								
Medium Density Site	-	-	0	0.00%	0.00	1	100.00%	0.69
Primary School	-	-	0	0.00%	0.00	0	0.00%	0.00
Local Linear Park	-	-	0	0.00%	0.00	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00	0	0.00%	0.00
Stormwater Management (incl. Earth Mound)	-	-	1	1.96%	0.19	0	0.00%	0.00
Total Additional Allotment Type Yield			1	1.96%	0.19	1	100.00%	0.69
Total Allotments			51	100.00%	2.09	1	100.00%	0.69
Maximum Potential Residential Dwellings								
Optional Duplex Allotments	-	-	0	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-	29	-	-
Sub Total Maximum Potential Residential Dwellings			0	-	-	29	-	-
Total Maximum Potential Residential Dwellings			50	-	1.90	29	-	0.69
Maximum Potential Net Residential Density			14.45 dw/ha			37.18 dw/ha		
Land Budget Breakdown Stages 1A and 1B			Stage 1A		Stage 1B			
			Area (ha)	%	Area (ha)	%		
Land Use Type								
Residential								
Low Density Residential			1.67	37.36%	0.00	0.00%		
Low-Medium Density Residential			0.23	5.15%	0.00	0.00%		
Medium Density Site			0.00	0.00%	0.69	88.46%		
Sub Total			1.90	42.51%	0.69	88.46%		
Open Space								
Local Linear Parks			0.00	0.00%	0.00	0.00%		
Local and Neighbourhood Recreation Parks			0.00	0.00%	0.00	0.00%		
Linear Pockets (incl. Earth Mounds and Pedestrian Links)			0.61	13.65%	0.09	11.54%		
Stormwater Management			0.19	4.25%	0.00	0.00%		
Sub Total			0.80	17.90%	0.09	11.54%		
Education								
Primary School			0.00	0.00%	0.00	0.00%		
Sub Total			0.00	0.00%	0.00	0.00%		
Services and Street Network								
Trunk and Neighbourhood Connectors			0.82	18.34%	0.00	0.00%		
Local Street Network			0.95	21.25%	0.00	0.00%		
Sub Total			1.77	39.60%	0.00	0.00%		
Proposed Total			4.47	100.00%	0.78	100.00%		

Existing road reserve = 0.00ha



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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ADJOINING CADASTRE: QSPATIAL
DESIGN CONTOURS: COLLIER'S (FEBRUARY 2026)
EXISTING CONTOURS: COLLIER'S (JANUARY 2026)

ISSUE	CODE	ISSUE DESCRIPTION	BY	CHK	DATE
-	PRE	DRAFT ISSUE	NV	NV	05/09/2025
A	PRE	DRAFT ISSUE	NV	NV	12/09/2025
B	PRE	FINAL CONSULTANT ISSUE	NV	NV	24/09/2025
C	PRE	FINAL CONSULTANT ISSUE	NV	NV	26/09/2025
D	PRE	FINAL ISSUE	NV	NV	30/09/2025
E	PRE	DRAFT ISSUE	NV	NV	02/02/2026
F	PRE	FINAL ISSUE	NV	NV	04/03/2026
G	PRE	FINAL ISSUE	NV	NV	10/03/2026

PRE - Preliminary | CA - Council Approval | T - Tender | CON - Construction
DRAWING TITLE

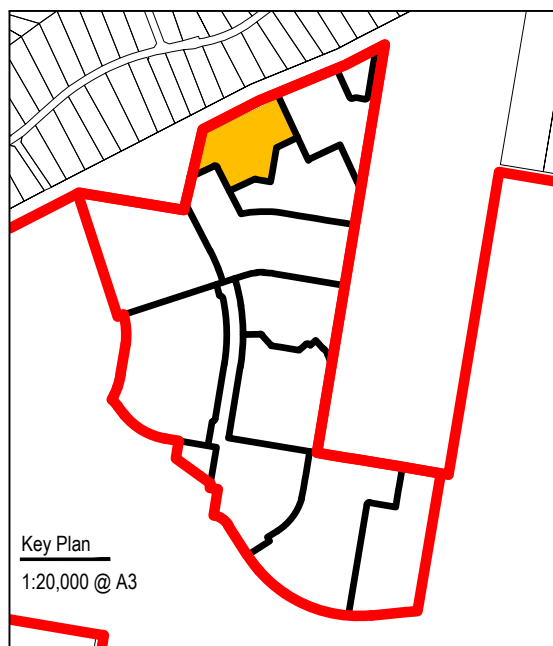
PRECINCT 1 ROL - STAGE 1A AND STAGE 1B

DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3

DRAWING NUMBER	REVISION
4123001 - 30	G

Yield Breakdown Stage 2	Typical Dimensions	Typical Area	Stage 2		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	3	5.26%	0.07
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	2	3.51%	0.06
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	4	7.02%	0.10
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	2	3.51%	0.08
Sub Total			11	19.30%	0.31
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	11	19.30%	0.41
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	4	7.02%	0.15
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	24	42.11%	1.06
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	7	12.28%	0.39
Sub Total			46	80.70%	2.01
Sub Total Residential Allotment Yield			57	100.00%	2.32
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00
Stormwater Management (incl. Earth Mound)	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			0	0.00%	0.00
Total Allotments			57	100.00%	2.32
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	3	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			3	-	-
Total Maximum Potential Residential Dwellings			60	-	2.32
Maximum Potential Net Residential Density					14.78 dw/ha
Land Budget Breakdown Stage 2			Stage 2		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			2.01	49.51%	
Low-Medium Density Residential			0.31	7.64%	
Medium Density Site			0.00	0.00%	
Sub Total			2.32	57.14%	
Open Space					
Local Linear Parks			0.00	0.00%	
Local and Neighbourhood Recreation Parks			0.00	0.00%	
Linear Pockets (incl. Earth Mounds and Pedestrian Links)			0.32	7.88%	
Stormwater Management			0.00	0.00%	
Sub Total			0.32	7.88%	
Education					
Primary School			0.00	0.00%	
Sub Total			0.00	0.00%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.00	0.00%	
Local Street Network			1.42	34.98%	
Sub Total			1.42	34.98%	
Proposed Total			4.06	100.00%	

Existing road reserve = 0.00ha



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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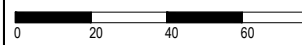
ISSUE	CODE	ISSUE DESCRIPTION	BY	CHK	DATE
-	PRE	DRAFT ISSUE	NV	NV	05/09/2025
A	PRE	DRAFT ISSUE	NV	NV	12/09/2025
B	PRE	FINAL CONSULTANT ISSUE	NV	NV	24/09/2025
C	PRE	FINAL CONSULTANT ISSUE	NV	NV	26/09/2025
D	PRE	FINAL ISSUE	NV	NV	30/09/2025
E	PRE	DRAFT ISSUE	NV	NV	02/02/2026
F	PRE	FINAL ISSUE	NV	NV	04/03/2026
G	PRE	FINAL ISSUE	NV	NV	10/03/2026

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DRAWING TITLE

PRECINCT 1 ROL -
STAGE 2

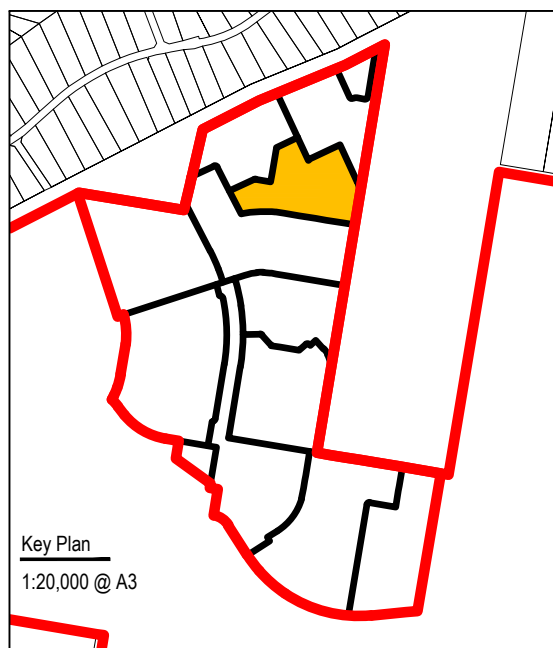
DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3



DRAWING NUMBER : 4123001 - 31
REVISION : G

Yield Breakdown Stage 3	Typical Dimensions	Typical Area	Stage 3		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	8	11.94%	0.18
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	8	11.94%	0.30
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
Sub Total			16	23.88%	0.48
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	23	34.33%	0.75
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	12	17.91%	0.54
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	13	19.40%	0.59
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	2	2.99%	0.12
Sub Total			50	74.63%	2.00
Sub Total Residential Allotment Yield			66	98.51%	2.48
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	1	1.49%	0.61
Stormwater Management	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			1	1.49%	0.61
Total Allotments			67	100.00%	3.09
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	3	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			3	-	-
Total Maximum Potential Residential Dwellings			69	-	2.48
Maximum Potential Net Residential Density					15.58 dw/ha
Land Budget Breakdown Stage 3			Stage 3		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			2.00	42.11%	
Low-Medium Density Residential			0.48	10.11%	
Medium Density Site			0.00	0.00%	
Sub Total			2.48	52.21%	
Open Space					
Local Linear Parks			0.00	0.00%	
Local and Neighbourhood Recreation Parks			0.61	12.84%	
Linear Pockets (incl. Pedestrian Links)			0.00	0.00%	
Stormwater Management			0.00	0.00%	
Sub Total			0.61	12.84%	
Education					
Primary School			0.00	0.00%	
Sub Total			0.00	0.00%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.32	6.74%	
Local Street Network			1.34	28.21%	
Sub Total			1.66	34.95%	
Proposed Total			4.75	100.00%	

Existing road reserve = 0.00ha

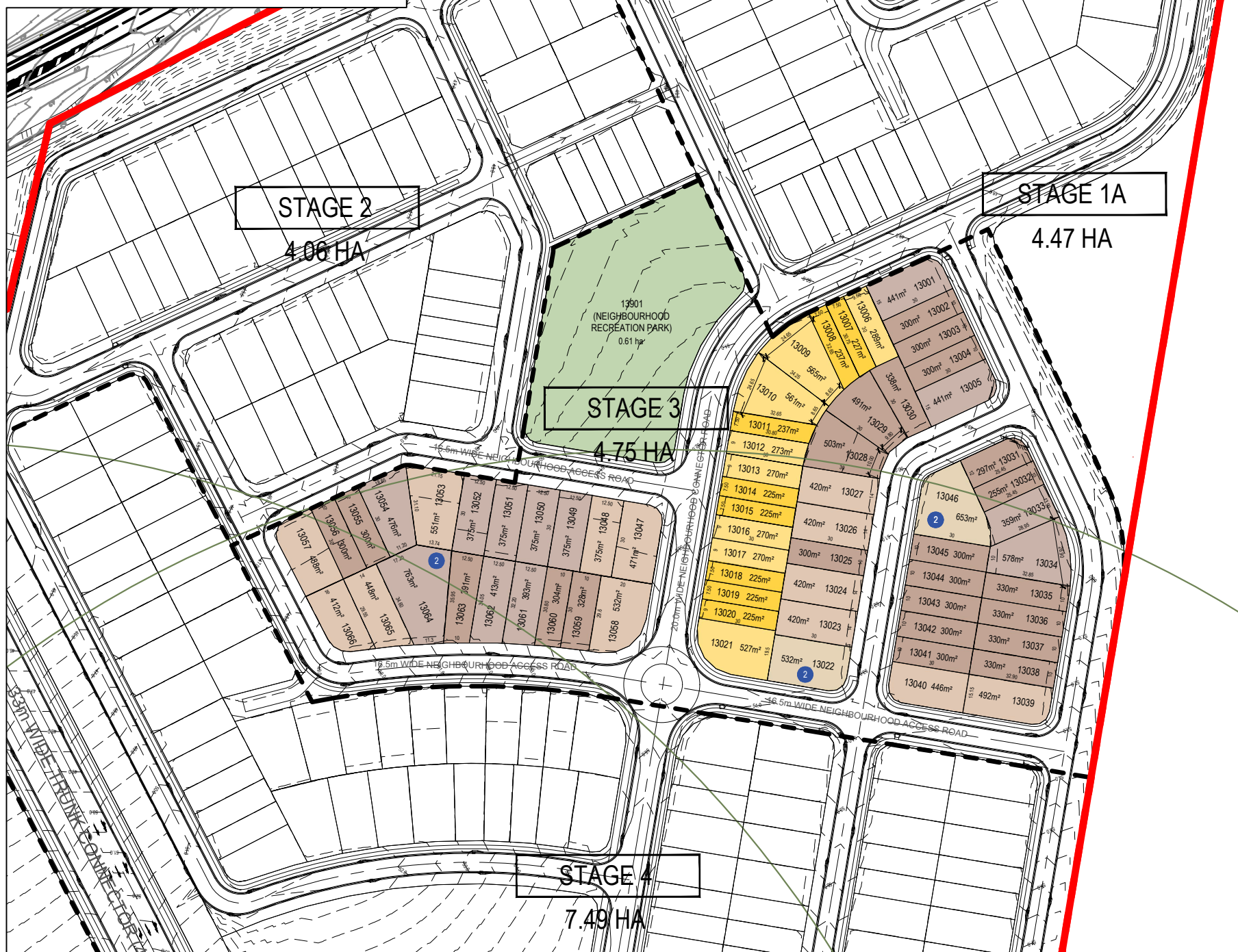


Legend:

- Site boundary
- Stage boundary
- Existing road reserve
- Easement
- Design contours (0.5 metres)
- Optional duplex allotment
- 400m neighbourhood park catchment

Net Residential Density:

EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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DRAWING TITLE

PRECINCT 1 ROL -
STAGE 3

DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3

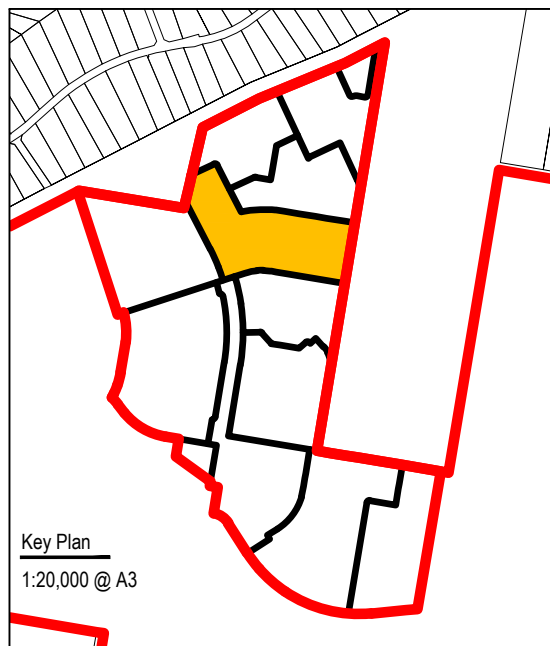


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DRAWING NUMBER REVISION
4123001 - 32 G

Yield Breakdown Stage 4	Typical Dimensions	Typical Area	Stage 4		
			No. of Lots	%	Area (ha)
Residential Allotment Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	2	2.27%	0.06
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
Sub Total			2	2.27%	0.06
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	19	21.59%	0.58
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	33	37.50%	1.30
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	23	26.14%	1.03
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	10	11.36%	0.52
Sub Total			85	96.59%	3.43
Total Residential Allotment Yield			87	98.86%	3.49
Additional Allotment Type					
Medium Density Site	-	-	1	1.14%	0.82
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00
Stormwater Management	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			1	1.14%	0.82
Total Allotments			88	100.00%	4.31
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	32	-	-
Sub Total Maximum Potential Residential Dwellings			32	-	-
Total Maximum Potential Residential Dwellings			119	-	4.31
Maximum Potential Net Residential Density					20.91 dw/ha
Land Budget Breakdown Stage 4					
Land Use Type	Stage 4				
	Area (ha)	%			
Residential					
Low Density Residential			3.43		45.79%
Low-Medium Density Residential			0.06		0.80%
Medium Density Site			0.82		10.95%
Sub Total			4.31		57.54%
Open Space					
Local Linear Parks			0.00		0.00%
Local and Neighbourhood Recreation Parks			0.00		0.00%
Linear Pockets (incl. Pedestrian Links)			0.32		4.27%
Stormwater Management			0.00		0.00%
Sub Total			0.32		4.27%
Education					
Primary School			0.00		0.00%
Sub Total			0.00		0.00%
Services and Street Network					
Trunk and Neighbourhood Connectors			1.80		24.03%
Local Street Network			1.06		14.15%
Sub Total			2.86		38.18%
Proposed Total			7.49		100.00%

Existing road reserve = 0.00ha

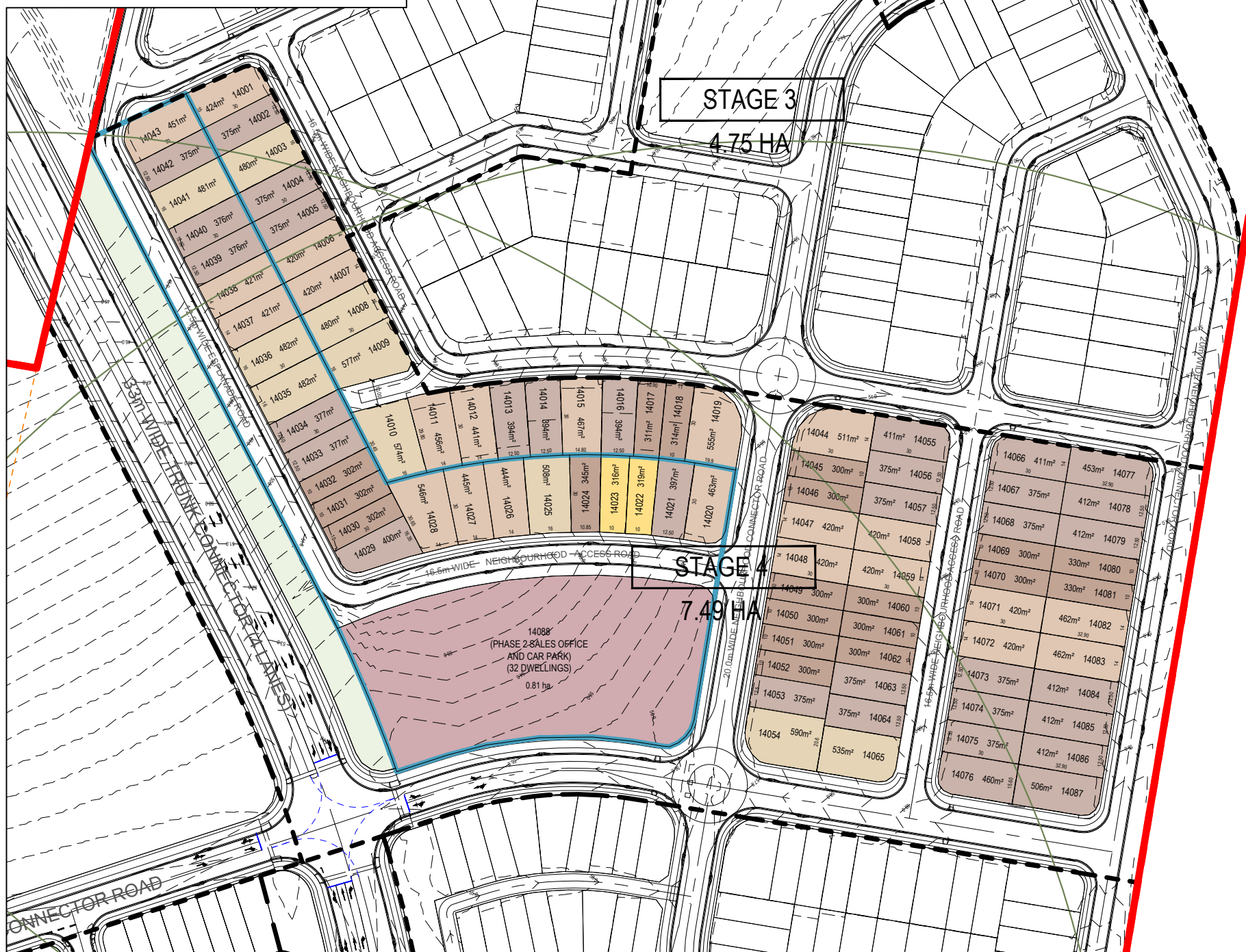


Net Residential Density:

EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.

Legend:

- Site boundary
- Stage boundary
- Existing road reserve
- Easement
- Design contours (0.5 metres)
- 2 Optional duplex allotment
- 400m neighbourhood park catchment
- Phase 2 display village extent



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NOTES

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DESIGN CONTOURS: COLLIER'S (FEBRUARY 2026)
EXISTING CONTOURS: COLLIER'S (JANUARY 2026)

ISSUE	CODE	ISSUE DESCRIPTION	BY	CHK	DATE
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F	PRE	FINAL ISSUE	NV	NV	04/03/2026
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DRAWING TITLE

PRECINCT 1 ROL -
STAGE 4

DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3

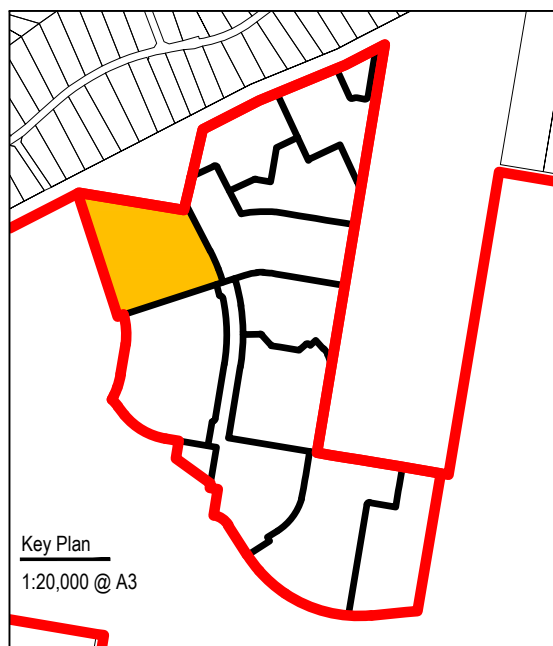


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DRAWING NUMBER REVISION
4123001 - 33 G

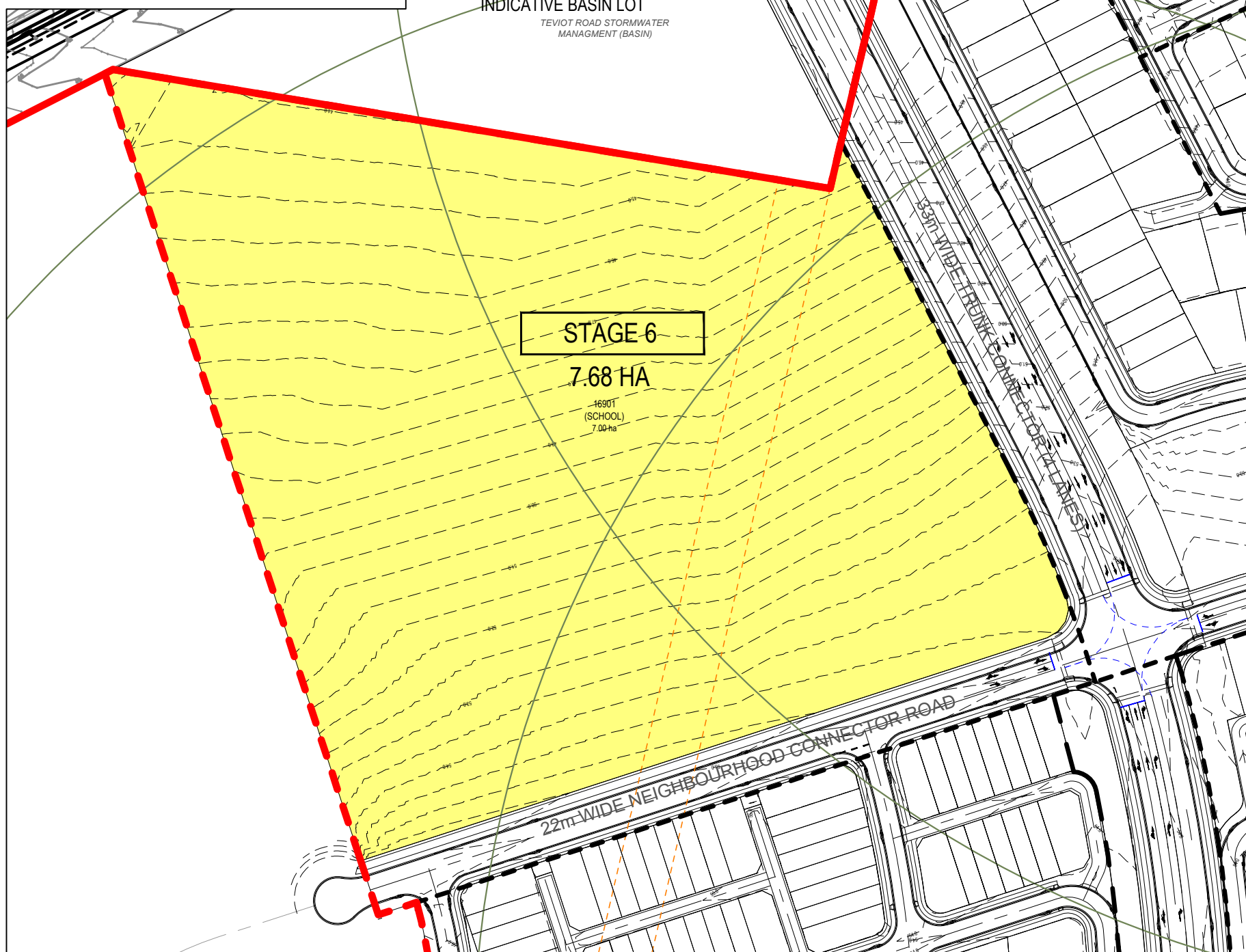
Yield Breakdown Stage 6	Typical Dimensions	Typical Area	Stage 6		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
Sub Total			0	0.00%	0.00
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	0	0.00%	0.00
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	0	0.00%	0.00
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	0	0.00%	0.00
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	0	0.00%	0.00
Sub Total			0	0.00%	0.00
Sub Total Residential Allotment Yield			0	0.00%	0.00
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	1	100.00%	7.00
Local Linear Park	-	-	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00
Stormwater Management	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			1	100.00%	7.00
Total Allotments			1	100.00%	7.00
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			0	-	-
Total Maximum Potential Residential Dwellings			0	-	0.00
Maximum Potential Net Residential Density					N/A
Land Budget Breakdown Stage 6			Stage 6		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			0.00	0.00%	
Low-Medium Density Residential			0.00	0.00%	
Medium Density Site			0.00	0.00%	
Sub Total			0.00	0.00%	
Open Space					
Local Linear Parks			0.00	0.00%	
Local and Neighbourhood Recreation Parks			0.00	0.00%	
Linear Pockets (incl. Pedestrian Links)			0.00	0.00%	
Stormwater Management			0.00	0.00%	
Sub Total			0.00	0.00%	
Education					
Primary School			7.00	91.15%	
Sub Total			7.00	91.15%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.68	8.85%	
Local Street Network			0.00	0.00%	
Sub Total			0.68	8.85%	
Proposed Total			7.68	100.00%	

Existing road reserve = 0.52ha



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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ISSUE	CODE	ISSUE DESCRIPTION	BY	CHK	DATE
-	PRE	DRAFT ISSUE	NV	NV	05/09/2025
A	PRE	DRAFT ISSUE	NV	NV	12/09/2025
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C	PRE	FINAL CONSULTANT ISSUE	NV	NV	26/09/2025
D	PRE	FINAL ISSUE	NV	NV	30/09/2025
E	PRE	DRAFT ISSUE	NV	NV	02/02/2026
F	PRE	FINAL ISSUE	NV	NV	04/03/2026
G	PRE	FINAL ISSUE	NV	NV	10/03/2026

PRE - Preliminary | CA - Council Approval | T - Tender | CON - Construction
DRAWING TITLE

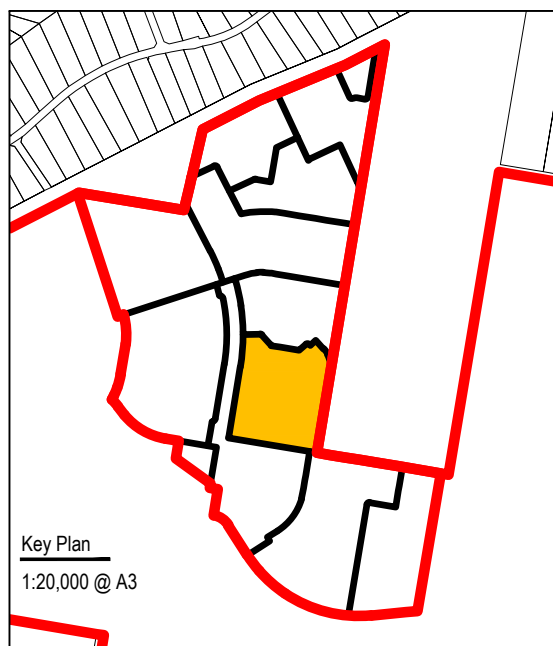
PRECINCT 1 ROL - STAGE 6

DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3

DRAWING NUMBER : 4123001 - 35
REVISION : G

Yield Breakdown Stage 7	Typical Dimensions	Typical Area	Stage 7		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	14	11.57%	0.38
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	8	6.61%	0.23
Sub Total			22	18.18%	0.61
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	46	38.02%	1.39
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	31	25.62%	1.19
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	16	13.22%	0.70
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	6	4.96%	0.38
Sub Total			99	81.82%	3.66
Sub Total Residential Allotment Yield			121	100.00%	4.27
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00
Stormwater Management	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			0	0.00%	0.00
Total Allotments			121	100.00%	4.27
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	3	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			3		
Total Maximum Potential Residential Dwellings			124		4.27
Maximum Potential Net Residential Density					21.34 dw/ha
Land Budget Breakdown Stage 7			Stage 7		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			3.66	57.01%	
Low-Medium Density Residential			0.61	9.50%	
Medium Density Site			0.00	0.00%	
Sub Total			4.27	66.51%	
Open Space					
Local Linear Parks			0.00	0.00%	
Local and Neighbourhood Recreation Parks			0.00	0.00%	
Linear Pockets (incl. Pedestrian Links)			0.08	1.25%	
Stormwater Management			0.00	0.00%	
Sub Total			0.08	1.25%	
Education					
Primary School			0.00	0.00%	
Sub Total			0.00	0.00%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.61	9.50%	
Local Street Network			1.46	22.74%	
Sub Total			2.07	32.24%	
Proposed Total			6.42	100.00%	

Existing road reserve = 0.00ha

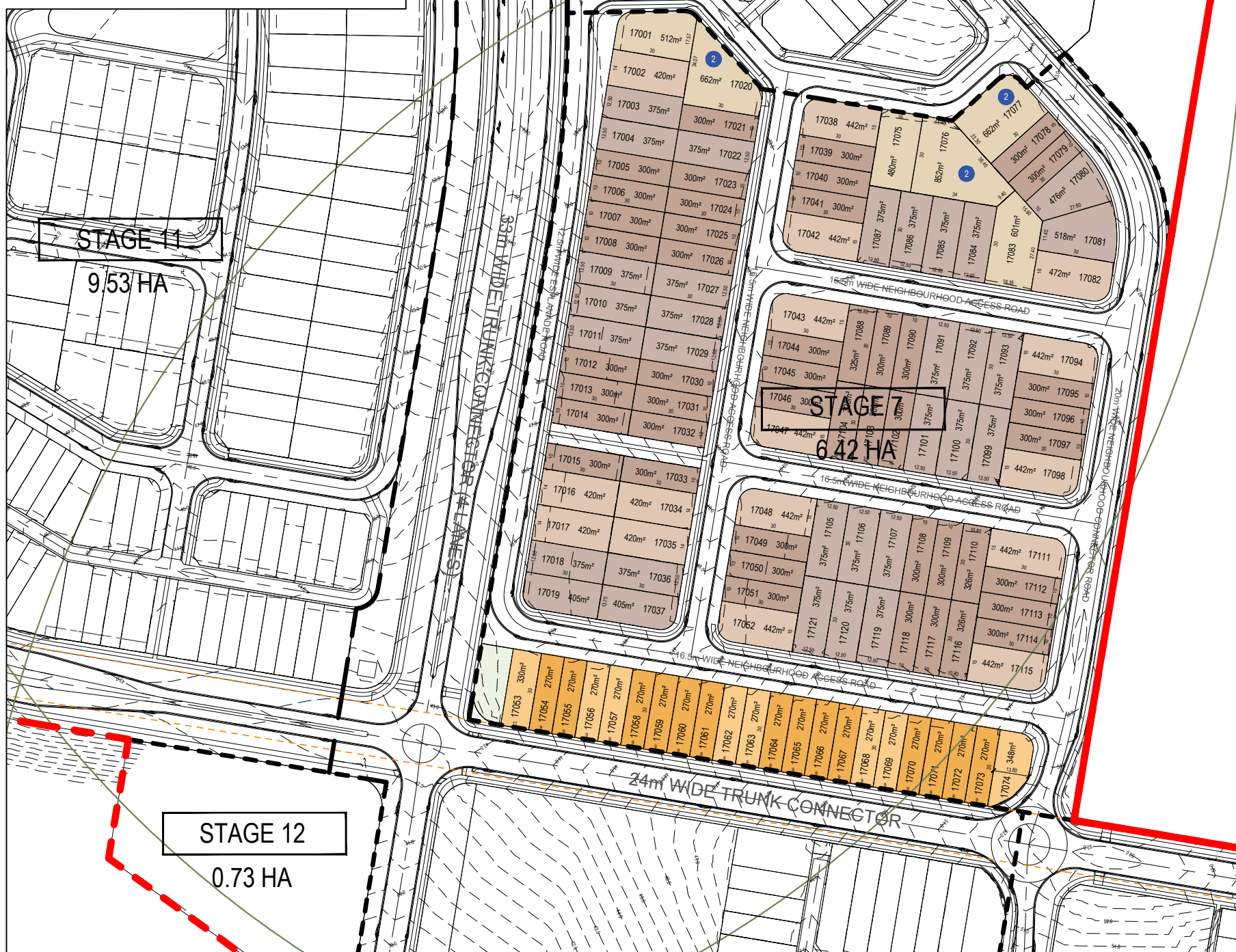


Legend:

- Site boundary
- Stage boundary
- Existing road reserve
- Easement
- Design contours (0.5 metres)
- Optional duplex allotment
- 400m neighbourhood park catchment

Net Residential Density:

EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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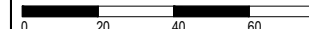
ISSUE	CODE	ISSUE DESCRIPTION	BY	CHK	DATE
-	PRE	DRAFT ISSUE	NV	NV	05/09/2025
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DRAWING TITLE

PRECINCT 1 ROL -
STAGE 7

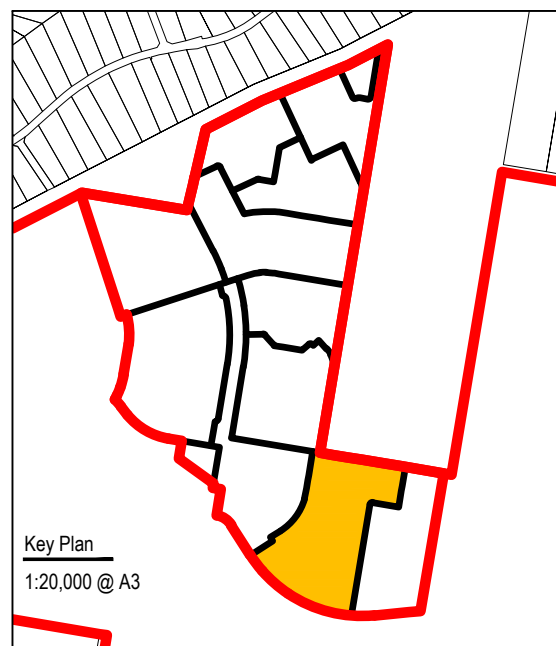
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DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3



DRAWING NUMBER : 4123001 - 36
REVISION : G

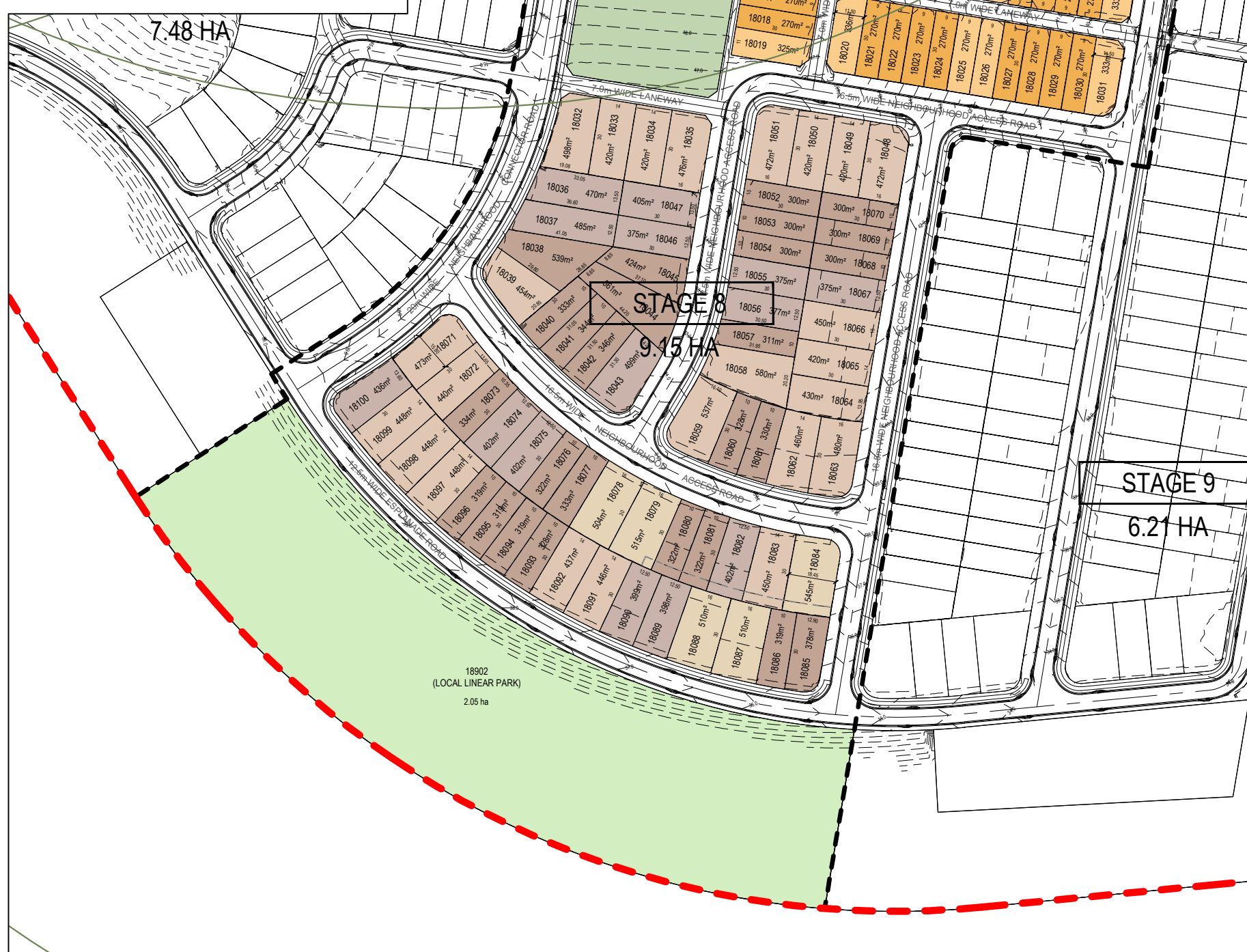
Yield Breakdown Stage 8	Typical Dimensions	Typical Area	Stage 8		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	21	20.59%	0.57
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	10	9.80%	0.30
Sub Total			31	30.39%	0.87
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	26	25.49%	0.89
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	14	13.73%	0.58
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	24	23.53%	1.10
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	5	4.90%	0.26
Sub Total			69	67.65%	2.83
Sub Total Residential Allotment Yield			100	98.04%	3.70
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	1	0.98%	2.05
Local and Neighbourhood Recreation Park	-	-	1	0.98%	0.50
Stormwater Management	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			2	1.96%	2.55
Total Allotments			102	100.00%	6.25
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			0	-	-
Total Maximum Potential Residential Dwellings			100	-	3.70
Maximum Potential Net Residential Density					15.38 dw/ha
Land Budget Breakdown Stage 8			Stage 8		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			2.83	30.93%	
Low-Medium Density Residential			0.87	9.51%	
Medium Density Site			0.00	0.00%	
Sub Total			3.70	40.44%	
Open Space					
Local Linear Parks			2.05	22.40%	
Local and Neighbourhood Recreation Parks			0.50	5.46%	
Linear Pockets (incl. Pedestrian Links)			0.00	0.00%	
Stormwater Management			0.00	0.00%	
Sub Total			2.55	27.87%	
Education					
Primary School			0.00	0.00%	
Sub Total			0.00	0.00%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.60	6.56%	
Local Street Network			2.30	25.14%	
Sub Total			2.90	31.69%	
Proposed Total			9.15	100.00%	

Existing road reserve = 0.50ha



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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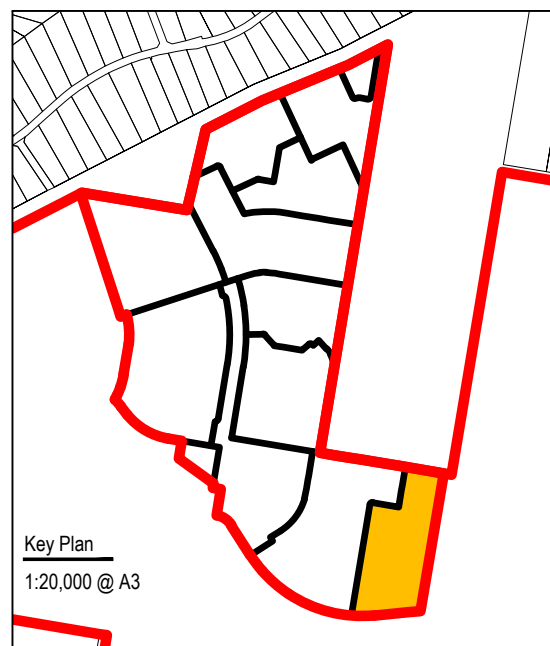
PRECINCT 1 ROL - STAGE 8

DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3

DRAWING NUMBER	REVISION
4123001 - 37	G

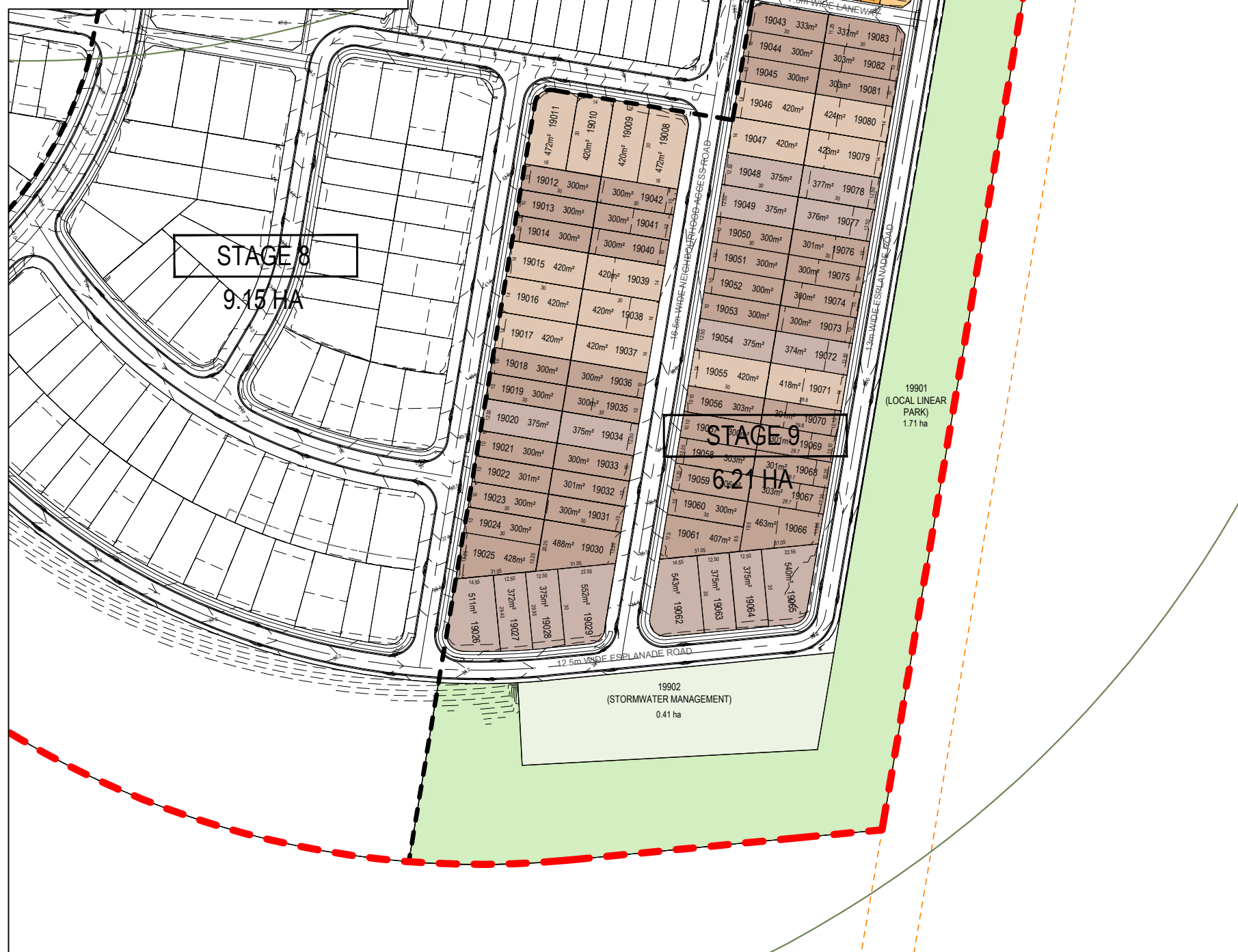
Yield Breakdown Stage 9	Typical Dimensions	Typical Area	Stage 9		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	5	5.88%	0.11
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	2	2.35%	0.07
Sub Total			7	8.24%	0.18
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	44	51.76%	1.39
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	16	18.82%	0.67
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	16	18.82%	0.68
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	0	0.00%	0.00
Sub Total			76	89.41%	2.74
Sub Total Residential Allotment Yield			83	97.65%	2.92
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	1	1.18%	1.70
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00
Stormwater Management	-	-	1	1.18%	0.41
Total Additional Allotment Type Yield			2	2.35%	2.11
Total Allotments			85	100.00%	5.03
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			0	-	-
Total Maximum Potential Residential Dwellings			83	-	2.92
Maximum Potential Net Residential Density					21.50 dw/ha
Land Budget Breakdown Stage 9			Stage 9		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			2.74	44.12%	
Low-Medium Density Residential			0.18	2.90%	
Medium Density Site			0.00	0.00%	
Sub Total			2.92	47.02%	
Open Space					
Local Linear Parks			1.70	27.38%	
Local and Neighbourhood Recreation Parks			0.00	0.00%	
Linear Pockets (incl. Pedestrian Links)			0.00	0.00%	
Stormwater Management			0.41	6.60%	
Sub Total			2.11	33.98%	
Education					
Primary School			0.00	0.00%	
Sub Total			0.00	0.00%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.24	3.86%	
Local Street Network			0.94	15.14%	
Sub Total			1.18	19.00%	
Proposed Total			6.21	100.00%	

Existing road reserve = 0.21ha



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.



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PROJECT

RIVERBEND

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NOTES

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EXISTING CONTOURS: COLLIER'S (JANUARY 2026)

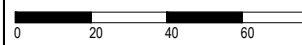
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A	PRE	DRAFT ISSUE	NV	NV	12/09/2025
B	PRE	FINAL CONSULTANT ISSUE	NV	NV	24/09/2025
C	PRE	FINAL CONSULTANT ISSUE	NV	NV	26/09/2025
D	PRE	FINAL ISSUE	NV	NV	30/09/2025
E	PRE	DRAFT ISSUE	NV	NV	02/02/2026
F	PRE	FINAL ISSUE	NV	NV	04/03/2026
G	PRE	FINAL ISSUE	NV	NV	10/03/2026

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DRAWING TITLE

PRECINCT 1 ROL -
STAGE 9

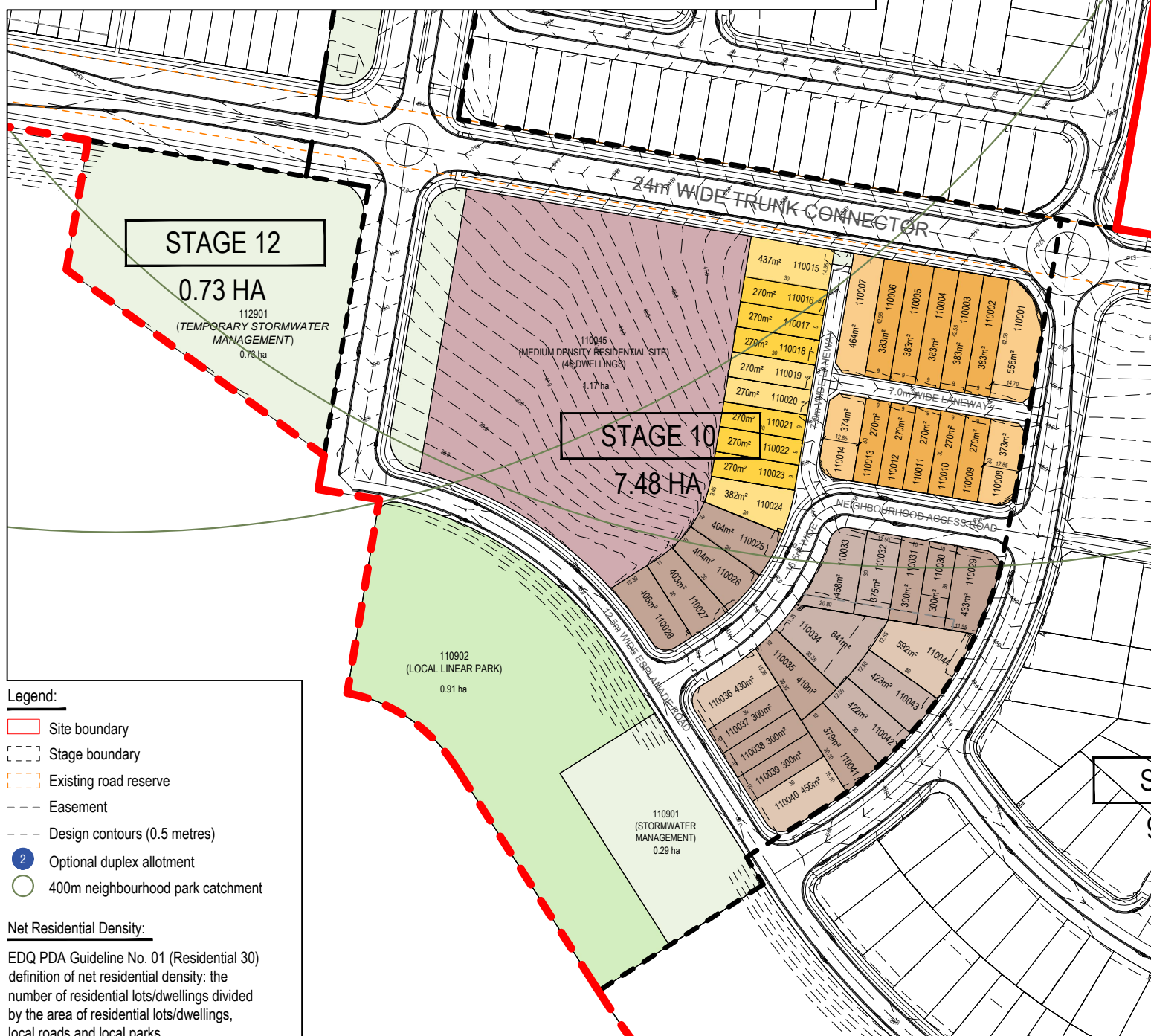
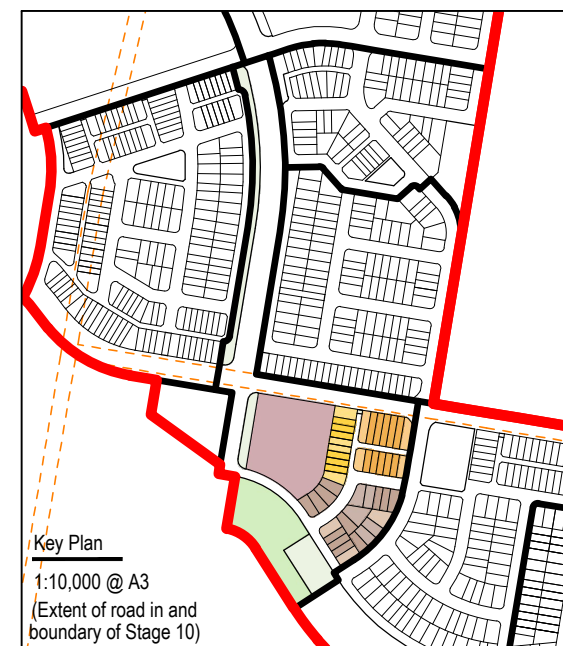
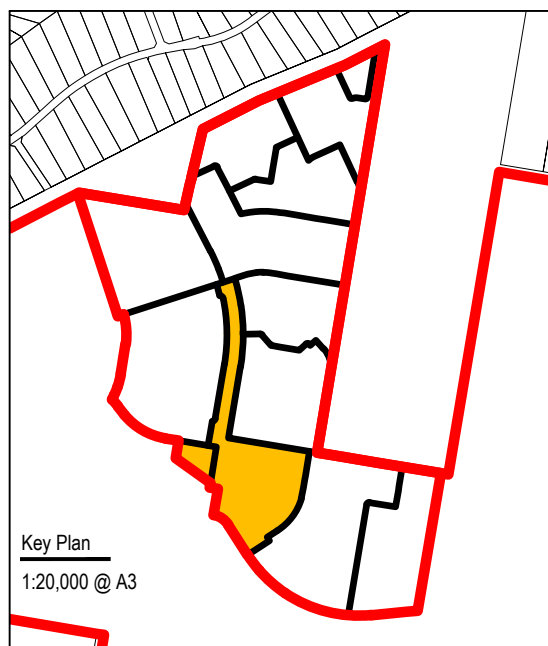
DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
1:2,000 @ A3



DRAWING NUMBER : 4123001 - 38
REVISION : G

Yield Breakdown Stages 10 and 12	Typical Dimensions	Typical Area	Stage 10			Stage 12		
			No. of Lots	%	Area (ha)	No. of Lots	%	Area (ha)
Lot Type								
30m Deep Attached (Terrace) Allotment (30 dw/ha)								
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	6	12.77%	0.16	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	4	8.51%	0.14	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	10	21.28%	0.33	0	0.00%	0.00
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	4	8.51%	0.18	0	0.00%	0.00
Sub Total			24	51.06%	0.81	0	0.00%	0.00
30m Deep Detached Allotment (18 dw/ha)								
10.0m Villa Allotment	10.0m x 30.0m	300m ²	12	25.53%	0.43	0	0.00%	0.00
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	5	10.64%	0.23	0	0.00%	0.00
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	3	6.38%	0.15	0	0.00%	0.00
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	0	0.00%	0.00	0	0.00%	0.00
Sub Total			20	42.55%	0.81	0	0.00%	0.00
Sub Total Residential Allotment Yield			44	93.62%	1.62	0	0.00%	0.00
Additional Allotment Type								
Medium Density Site	-	-	1	2.13%	1.17	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00	0	0.00%	0.00
Local Linear Park	-	-	1	2.13%	0.91	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	0	0.00%	0.00	0	0.00%	0.00
Stormwater Management	-	-	1	2.13%	0.29	1	100.00%	0.73
Total Additional Allotment Type Yield			3	6.38%	2.37	1	100.00%	0.73
Total Allotments			47	100.00%	3.99	1	100.00%	0.73
Maximum Potential Residential Dwellings								
Optional Duplex Allotments	-	-	0	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	46	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			46			0		
Total Maximum Potential Residential Dwellings			90		2.79	0		0.00
Maximum Potential Net Residential Density				22.67 dw/ha				N/A
Land Budget Breakdown Stages 10 and 12			Stage 10		Stage 12			
			Area (ha)	%	Area (ha)	%		
Land Use Type								
Residential								
Low Density Residential			0.81	10.83%	0.00	0.00%		
Low-Medium Density Residential			0.81	10.83%	0.00	0.00%		
Medium Density Site			1.17	15.64%	0.00	0.00%		
Sub Total			2.79	37.30%	0.00	0.00%		
Open Space								
Local Linear Parks			0.91	12.17%	0.00	0.00%		
Local and Neighbourhood Recreation Parks			0.00	0.00%	0.00	0.00%		
Linear Pockets (incl. Pedestrian Links)			0.56	7.49%	0.00	0.00%		
Stormwater Management			0.29	3.88%	0.73	100.00%		
Sub Total			1.76	23.53%	0.73	100.00%		
Education								
Primary School			0.00	0.00%	0.00	0.00%		
Sub Total			0.00	0.00%	0.00	0.00%		
Services and Street Network								
Trunk and Neighbourhood Connectors			2.31	30.88%	0.00	0.00%		
Local Street Network			0.62	8.29%	0.00	0.00%		
Sub Total			2.93	39.17%	0.00	0.00%		
Proposed Total			7.48	100.00%	0.73	100.00%		

Existing road reserve = 0.50ha (Stage 10)



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30) definition of net residential density: the number of residential lots/dwellings, divided by the area of residential lots/dwellings, local roads and local parks.



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PROJECT
RIVERBEND



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PRECINCT 1 ROL - STAGES 10 AND 12

DESIGN : TD
DOCUMENT : TD / NV
PROJECT : 4123001
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4123001 - 39	G

PROJECT

RIVERBEND

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PRECINCT 1 ROL -
STAGE 11

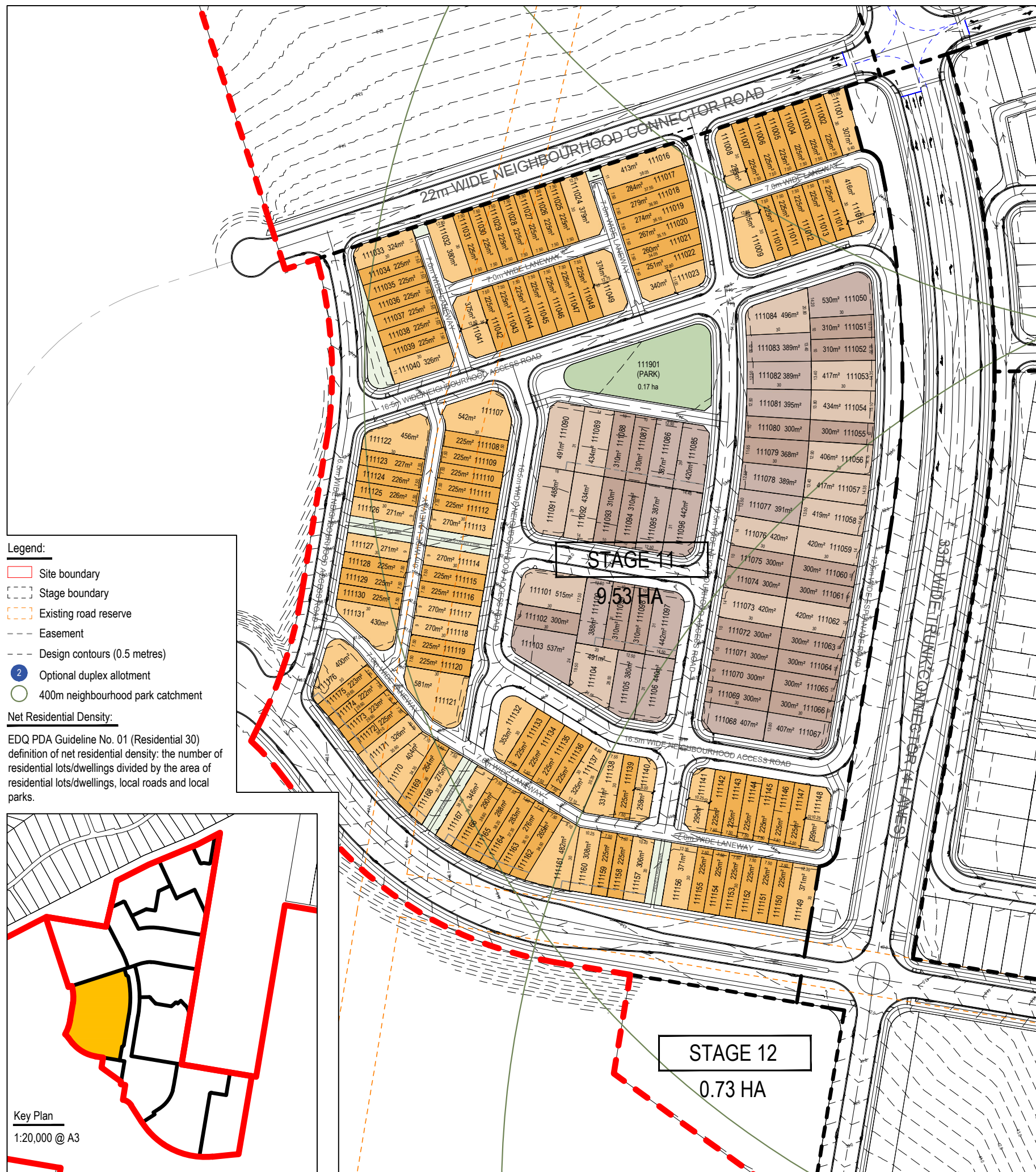
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DRAWING NUMBER REVISION
4123001 - 40 G

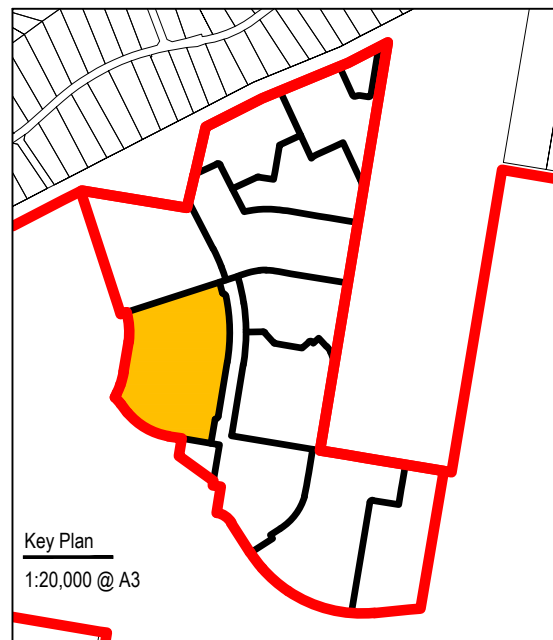
Yield Breakdown Stage 11	Typical Dimensions	Typical Area	Stage 11		
			No. of Lots	%	Area (ha)
Lot Type					
30m Deep Attached (Terrace) Allotment (30 dw/ha)					
7.5m Front-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	0	0.00%	0.00
9.0m Front-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	0	0.00%	0.00
7.5m Rear-Loaded Terrace Allotment	7.5m x 30.0m	225m ²	81	45.76%	1.88
9.0m Rear-Loaded Terrace Allotment	9.0m x 30.0m	270m ²	38	21.47%	1.34
Sub Total			119	67.23%	3.22
30m Deep Detached Allotment (18 dw/ha)					
10.0m Villa Allotment	10.0m x 30.0m	300m ²	24	13.56%	0.74
12.5m Premium Villa Allotment	12.5m x 30.0m	375m ²	17	9.60%	0.71
14.0m Courtyard Allotment	14.0m x 30.0m	420m ²	16	9.04%	0.71
16.0m Premium Courtyard Allotment	16.0m x 30.0m	480m ²	0	0.00%	0.00
Sub Total			57	32.20%	2.16
Sub Total Residential Allotment Yield			176	99.44%	5.38
Additional Allotment Type					
Medium Density Site	-	-	0	0.00%	0.00
Primary School	-	-	0	0.00%	0.00
Local Linear Park	-	-	0	0.00%	0.00
Local and Neighbourhood Recreation Park	-	-	1	0.56%	0.17
Stormwater Management	-	-	0	0.00%	0.00
Total Additional Allotment Type Yield			1	0.56%	0.17
Total Allotments			177	100.00%	5.55
Maximum Potential Residential Dwellings					
Optional Duplex Allotments	-	-	0	-	-
Medium Density Sites (site density 40 dw/ha)	-	-	0	-	-
Sub Total Maximum Potential Residential Dwellings			0	-	-
Total Maximum Potential Residential Dwellings			176	-	5.38
Maximum Potential Net Residential Density					20.58 dw/ha
Land Budget Breakdown Stage 11			Stage 11		
			Area (ha)	%	
Land Use Type					
Residential					
Low Density Residential			2.16	22.67%	
Low-Medium Density Residential			3.22	33.79%	
Medium Density Site			0.00	0.00%	
Sub Total			5.38	56.45%	
Open Space					
Local Linear Parks			0.00	0.00%	
Local and Neighbourhood Recreation Parks			0.17	1.78%	
Linear Pockets and Stormwater Management (incl. Pedestrian Links)			0.14	1.47%	
Stormwater Management			0.00	0.00%	
Sub Total			0.31	3.25%	
Education					
Primary School			0.00	0.00%	
Sub Total			0.00	0.00%	
Services and Street Network					
Trunk and Neighbourhood Connectors			0.98	10.28%	
Local Street Network			2.86	30.01%	
Sub Total			3.84	40.29%	
Proposed Total			9.53	100.00%	

Existing road reserve = 1.07ha



- Legend:**
- Site boundary
 - Stage boundary
 - Existing road reserve
 - Easement
 - Design contours (0.5 metres)
 - Optional duplex allotment
 - 400m neighbourhood park catchment

Net Residential Density:
EDQ PDA Guideline No. 01 (Residential 30)
definition of net residential density: the number of residential lots/dwellings divided by the area of residential lots/dwellings, local roads and local parks.





Appendix B Schedule 2 of QDC MP4.4

Riverbend Precinct 1

Road Traffic Noise Intrusion Assessment

Celestino Developments Pty Ltd

SLR Project No.: 620.041596.00003

12 March 2026

Table B-1 Schedule 2 of QDC MP4.4

Component of Building's External Envelope	Minimum R_w	Acceptable Forms of Construction
Glazing	43	Double glazing consisting of two panes of minimum 5mm thick glass with at least 100mm air gap and full perimeter <i>acoustically rated seals</i> .
	38	Minimum 14.38mm thick laminated glass, with full perimeter <i>acoustically rated seals</i> ; or Double glazing consisting of one pane of minimum 5mm thick glass and one pane of minimum 6mm thick glass with at least 44mm air gap, and full perimeter <i>acoustically rated seals</i>
	35	Minimum 10.38mm thick laminated glass, with full perimeter <i>acoustically rated seals</i> .
	32	Minimum 6.38mm thick laminated glass with full perimeter <i>acoustically rated seals</i> .
	27	Minimum 4mm thick glass with full perimeter <i>acoustically rated seals</i>
	24	Minimum 4mm thick glass with standard weather seals
External Walls	52	Two leaves of clay brick masonry, at least 270mm in total, with subfloor vents fitted with noise attenuators.
	47	Two leaves of clay brick masonry at least 110mm thick with: (i) cavity not less than 50mm between leaves; and (ii) 50mm thick mineral insulation or 50mm thick glass wool insulation with a density of 11kg/m ³ or 50mm thick polyester insulation with a density of 20kg/m ³ in the cavity. or Two leaves of clay brick masonry at last 110mm thick with: (i) cavity not less than 50mm between leaves; and (ii) at least 13mm thick cement render on each face or Single leaf of clay brick masonry at least 110mm thick with: (i) a row of at least 70mm x 35mm timber studs or 64mm steel studs at 600mm centres, spaced at least 20mm from the masonry wall; and (ii) Mineral insulation or glass wool insulation at least 50mm thick with a density of at least 11 kg/m ³ positioned between studs; and (iii) One layer of plasterboard at least 13mm thick fixed to outside face of studs. or Single leaf of minimum 150mm thick masonry of hollow, dense concrete blocks, with mortar joints laid to prevent moisture bridging.
	41	Two leaves of clay brick masonry at least 110mm thick with cavity not less than 50mm between leaves



Component of Building's External Envelope	Minimum R_w	Acceptable Forms of Construction
		<p>or</p> <p>Single leaf of clay brick masonry at least 110mm thick with:</p> <p>(i) a row of at least 70mm x 35mm timber studs or 64mm steel studs at 600mm centres, spaced at least 20mm from the masonry wall; and</p> <p>(ii) mineral insulation or glass wool insulation at least 50mm thick with a density of at least 11 kg/m³ positioned between studs; and</p> <p>(iii) One layer of plasterboard at least 10mm thick fixed to outside face of studs</p> <p>or</p> <p>Single leaf of brick masonry at least 110mm thick with at least 13mm thick render on each face</p> <p>or</p> <p>Concrete brickwork at least 110mm thick</p> <p>or</p> <p>In-situ concrete at least 100mm thick</p> <p>or</p> <p>Precast concrete at least 100mm thick and without joints.</p>
	35	<p>Single leaf of clay brick masonry at least 110mm thick with:</p> <p>(i) a row of at least 70mm x 35mm timber studs or 64mm steel studs at 600mm centres, spaced at least 20mm from the masonry wall; and</p> <p>(ii) One layer of plasterboard at least 10mm thick fixed to outside face of studs</p> <p>or</p> <p>Minimum 6mm thick fibre cement sheeting or weatherboards or plank cladding externally, minimum 90mm deep timber stud or 92mm metal stud, standard plasterboard at least 13mm thick internally.</p>
Roof	45	<p>Concrete or terracotta tile or sheet metal roof with sarking, <i>acoustically rated plasterboard</i> ceiling at least 13mm thick fixed to ceiling joists, cellulose fibre insulation at least 100mm thick with a density of at least 45kg/m³ in the cavity.</p> <p>or</p> <p>Concrete or terracotta tile or sheet metal roof with sarking, 2 layers of <i>acoustically rated plasterboard</i> at least 16mm thick fixed to ceiling joists, glass wool insulation at least 50mm thick with a density of at least 11kg/m³ or polyester insulation at least 50mm thick with a density of at least 20kg/m³ in the cavity.</p>
	41	<p>Concrete or terracotta tile or metal sheet roof with sarking, plasterboard ceiling at least 10mm thick fixed to ceiling joists, glass wool insulation at least 50mm thick with a density of at least 11kg/m³ or polyester insulation at least 50mm thick with a density of at least 20kg/m³ in the cavity.</p> <p>or</p> <p>Concrete suspended slab at least 100mm thick.</p>



Component of Building's External Envelope	Minimum R_w	Acceptable Forms of Construction
	38	Concrete or terracotta tile or metal sheet roof with sarking, plasterboard ceiling at least 10mm thick fixed to ceiling cavity, mineral insulation or glass wool insulation at least 50mm thick with a density of at least 11 kg/m ³ .
	35	Concrete or terracotta tile or metal sheet roof with sarking, plasterboard ceiling at least 10mm thick fixed to ceiling cavity.
Floors	51	Concrete slab at least 150mm thick.
	45	Concrete slab at least 100mm thick or Tongued and grooved boards at least 19mm thick with: (i) timber joists not less than 175mm x 50mm; and (ii) mineral insulation or glass wool insulation at least 75mm thick with a density of at least 11kg/m ³ positioned between joists and laid on plasterboard at least 10mm thick fixed to underside of joists; and (iii) mineral insulation or glass wool insulation at least 25mm thick with a density of at least 11kg/m ³ laid over entire floor, including tops of joists before flooring is laid; and (iv) secured to battens at least 75mm x 50mm; and (v) the assembled flooring laid over the joists, but not fixed to them, with battens lying between the joists.



Component of Building's External Envelope	Minimum R_w	Acceptable Forms of Construction
Entry Doors	35	Solid core timber not less than 45mm thick, fixed so as to overlap the frame or rebate of the frame by not less than 10mm, with full perimeter acoustically rated seals.
	33	Fixed so as to overlap the frame or rebate of the frame by not less than 10mm, fitted with full perimeter acoustically rated seals and constructed of - (i) solid core, wood, particleboard or blockboard not less than 45mm thick; and/or (ii) acoustically laminated glass not less than 10.38mm thick.
	28	Fixed so as to overlap the frame or rebate of the frame, constructed of - (i) Wood, particleboard or blockboard not less than 33mm thick; or (ii) Compressed fibre reinforced sheeting not less than 9mm thick; or (iii) Other suitable material with a mass per unit area not less than 24.4kg/m ² ; or (iv) Solid core timber door not less than 35mm thick fitted with full perimeter <i>acoustically rated seals</i> .





Appendix C QDC MP4.4 Noise Predictions

Riverbend Precinct 1

Road Traffic Noise Intrusion Assessment

Celestino Developments Pty Ltd

SLR Project No.: 620.041596.00003

12 March 2026

Table C-1 QDC MP4.4 Noise Predictions With Earth Mound

Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
11001	GF	0	496587.1	6922606.3	48.7
11001	FF	0	496587.1	6922606.3	48.7
11002	GF	0	496585.5	6922593.7	48.4
11002	FF	0	496585.5	6922593.7	48.4
11003	GF	0	496583.4	6922580.9	48.4
11003	FF	0	496583.4	6922580.9	48.4
11004	GF	1	496515.5	6922666.6	49.0
11004	FF	2	496515.5	6922666.6	49.0
11005	GF	1	496501.9	6922661.5	49.0
11005	FF	2	496501.9	6922661.5	49.0
11006	GF	1	496489.2	6922655.6	49.0
11006	FF	2	496489.2	6922655.6	49.0
11007	GF	1	496476.8	6922649.3	49.1
11007	FF	2	496476.8	6922649.3	49.1
11008	GF	1	496491.1	6922633.1	49.1
11008	FF	1	496491.1	6922633.1	49.1
11009	GF	0	496496.4	6922621.8	49.1
11009	FF	1	496496.4	6922621.8	49.1
11010	GF	0	496502.3	6922610.3	49.0
11010	FF	1	496502.3	6922610.3	49.0
11011	GF	0	496527.5	6922621.4	48.6
11011	FF	1	496527.5	6922621.4	48.6
11012	GF	0	496522.2	6922633.7	48.6
11012	FF	1	496522.2	6922633.7	48.6
11013	GF	1	496517.0	6922645.1	48.6
11013	FF	1	496517.0	6922645.1	48.6
11014	GF	0	496558.4	6922594.5	48.9
11014	FF	0	496558.4	6922594.5	48.9
11015	GF	0	496544.2	6922586.3	48.7
11015	FF	0	496544.2	6922586.3	48.7
11016	GF	0	496531.9	6922580.6	48.7
11016	FF	0	496531.9	6922580.6	48.7
11017	GF	0	496520.6	6922575.3	48.8



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
11017	FF	0	496520.6	6922575.3	48.8
11018	GF	0	496507.8	6922569.1	48.9
11018	FF	0	496507.8	6922569.1	48.9
11019	GF	0	496478.3	6922546.7	49.0
11019	FF	0	496478.3	6922546.7	49.0
11020	GF	0	496472.4	6922559.4	49.0
11020	FF	0	496472.4	6922559.4	49.0
11021	GF	0	496466.8	6922571.4	49.0
11021	FF	0	496466.8	6922571.4	49.0
11022	GF	0	496461.6	6922582.8	49.0
11022	FF	0	496461.6	6922582.8	49.0
11023	GF	0	496456.3	6922594.1	49.1
11023	FF	1	496456.3	6922594.1	49.1
11024	GF	0	496451.5	6922604.3	49.1
11024	FF	1	496451.5	6922604.3	49.1
11025	GF	0	496447.3	6922613.4	49.1
11025	FF	1	496447.3	6922613.4	49.1
11026	GF	1	496446.7	6922633.2	49.1
11026	FF	2	496446.7	6922633.2	49.1
11027	GF	1	496433.1	6922628.1	49.1
11027	FF	2	496433.1	6922628.1	49.1
11028	GF	1	496420.4	6922622.2	49.2
11028	FF	2	496420.4	6922622.2	49.2
11029	GF	1	496408.1	6922615.9	49.2
11029	FF	2	496408.1	6922615.9	49.2
11030	GF	0	496422.7	6922599.9	49.1
11030	FF	1	496422.7	6922599.9	49.1
11031	GF	0	496426.9	6922590.8	49.3
11031	FF	1	496426.9	6922590.8	49.3
11032	GF	0	496431.7	6922580.6	49.4
11032	FF	1	496431.7	6922580.6	49.4
11033	GF	0	496437.0	6922569.3	49.6
11033	FF	0	496437.0	6922569.3	49.6
11034	GF	0	496442.2	6922557.9	49.7
11034	FF	0	496442.2	6922557.9	49.7



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
11035	GF	0	496447.0	6922547.6	49.9
11035	FF	0	496447.0	6922547.6	49.9
11036	GF	0	496450.8	6922539.6	50.0
11036	FF	0	496450.8	6922539.6	50.0
11037	GF	0	496454.5	6922531.5	50.1
11037	FF	0	496454.5	6922531.5	50.1
11038	GF	0	496454.4	6922514.6	50.5
11038	FF	0	496454.4	6922514.6	50.5
11039	GF	0	496462.7	6922517.0	50.2
11039	FF	0	496462.7	6922517.0	50.2
11040	GF	0	496470.3	6922520.5	50.0
11040	FF	0	496470.3	6922520.5	50.0
11041	GF	0	496477.1	6922523.7	49.9
11041	FF	0	496477.1	6922523.7	49.9
11042	GF	0	496483.9	6922526.8	49.7
11042	FF	0	496483.9	6922526.8	49.7
11043	GF	0	496490.7	6922530.0	49.5
11043	FF	0	496490.7	6922530.0	49.5
11044	GF	0	496498.4	6922533.6	49.2
11044	FF	0	496498.4	6922533.6	49.2
11045	GF	0	496506.9	6922537.5	49.0
11045	FF	0	496506.9	6922537.5	49.0
11046	GF	0	496520.5	6922544.1	48.6
11046	FF	0	496520.5	6922544.1	48.6
11047	GF	0	496533.9	6922550.4	48.3
11047	FF	0	496533.9	6922550.4	48.3
11048	GF	0	496545.3	6922555.6	48.1
11048	FF	0	496545.3	6922555.6	48.1
11049	GF	0	496557.5	6922561.3	48.1
11049	FF	0	496557.5	6922561.3	48.1
11050	GF	0	496573.7	6922566.7	48.4
11050	FF	0	496573.7	6922566.7	48.4
12001	GF	1	496376.4	6922602.5	48.4
12001	FF	2	496376.4	6922602.5	48.4
12002	GF	1	496362.8	6922597.4	48.3



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
12002	FF	2	496362.8	6922597.4	48.3
12003	GF	1	496350.1	6922591.5	48.1
12003	FF	2	496350.1	6922591.5	48.1
12004	GF	1	496337.8	6922585.2	48.1
12004	FF	2	496337.8	6922585.2	48.1
12005	GF	0	496354.7	6922566.6	47.7
12005	FF	1	496354.7	6922566.6	47.7
12006	GF	0	496361.2	6922553.3	48.1
12006	FF	1	496361.2	6922553.3	48.1
12007	GF	0	496365.4	6922521.7	49.0
12007	FF	0	496365.4	6922521.7	49.0
12008	GF	0	496374.9	6922526.7	49.1
12008	FF	0	496374.9	6922526.7	49.1
12009	GF	0	496382.4	6922530.2	49.2
12009	FF	0	496382.4	6922530.2	49.2
12010	GF	0	496389.2	6922533.3	49.4
12010	FF	0	496389.2	6922533.3	49.4
12011	GF	0	496396.7	6922536.8	49.5
12011	FF	0	496396.7	6922536.8	49.5
12012	GF	0	496406.9	6922540.9	49.5
12012	FF	0	496406.9	6922540.9	49.5
12013	GF	0	496385.7	6922565.8	49.4
12013	FF	1	496385.7	6922565.8	49.4
12014	GF	1	496379.9	6922579.7	49.2
12014	FF	1	496379.9	6922579.7	49.2
12015	GF	1	496310.0	6922569.8	46.8
12015	FF	2	496310.0	6922569.8	46.8
12016	GF	1	496296.4	6922564.7	46.6
12016	FF	2	496296.4	6922564.7	46.6
12017	GF	1	496283.7	6922558.8	46.4
12017	FF	2	496283.7	6922558.8	46.4
12018	GF	1	496272.8	6922553.7	46.4
12018	FF	2	496272.8	6922553.7	46.4
12019	GF	1	496263.7	6922549.5	46.3
12019	FF	2	496263.7	6922549.5	46.3



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
12020	GF	1	496252.8	6922544.5	46.3
12020	FF	2	496252.8	6922544.5	46.3
12021	GF	1	496240.2	6922538.5	46.2
12021	FF	2	496240.2	6922538.5	46.2
12022	GF	1	496226.6	6922532.2	46.1
12022	FF	2	496226.6	6922532.2	46.1
12023	GF	2	496213.0	6922525.9	46.0
12023	FF	2	496213.0	6922525.9	46.0
12024	GF	2	496200.9	6922520.3	46.0
12024	FF	2	496200.9	6922520.3	46.0
12025	GF	2	496189.4	6922513.8	46.0
12025	FF	2	496189.4	6922513.8	46.0
12026	GF	2	496177.2	6922474.6	45.2
12026	FF	2	496177.2	6922474.6	45.2
12027	GF	1	496192.2	6922482.5	45.2
12027	FF	2	496192.2	6922482.5	45.2
12028	GF	1	496203.1	6922487.6	45.3
12028	FF	1	496203.1	6922487.6	45.3
12029	GF	1	496212.1	6922491.8	45.3
12029	FF	1	496212.1	6922491.8	45.3
12030	GF	1	496223.0	6922496.9	45.4
12030	FF	1	496223.0	6922496.9	45.4
12031	GF	1	496236.6	6922503.2	45.5
12031	FF	1	496236.6	6922503.2	45.5
12032	GF	1	496250.2	6922509.5	45.9
12032	FF	1	496250.2	6922509.5	45.9
12033	GF	1	496262.9	6922515.5	46.3
12033	FF	1	496262.9	6922515.5	46.3
12034	GF	1	496273.8	6922520.5	46.7
12034	FF	1	496273.8	6922520.5	46.7
12035	GF	1	496282.9	6922524.7	47.0
12035	FF	1	496282.9	6922524.7	47.0
12036	GF	1	496293.7	6922529.8	47.3
12036	FF	1	496293.7	6922529.8	47.3
12037	GF	1	496306.4	6922535.7	47.7



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
12037	FF	1	496306.4	6922535.7	47.7
12038	GF	1	496318.8	6922542.0	48.1
12038	FF	1	496318.8	6922542.0	48.1
12039	GF	0	496334.1	6922498.1	49.4
12039	FF	1	496334.1	6922498.1	49.4
12040	GF	0	496331.2	6922484.4	49.4
12040	FF	0	496331.2	6922484.4	49.4
12041	GF	0	496329.7	6922475.5	49.4
12041	FF	0	496329.7	6922475.5	49.4
12042	GF	0	496328.5	6922468.1	49.5
12042	FF	0	496328.5	6922468.1	49.5
12043	GF	0	496327.3	6922460.7	49.5
12043	FF	0	496327.3	6922460.7	49.5
12044	GF	0	496325.8	6922451.8	49.5
12044	FF	0	496325.8	6922451.8	49.5
12045	GF	0	496323.6	6922439.2	49.6
12045	FF	0	496323.6	6922439.2	49.6
12046	GF	0	496297.4	6922450.1	48.4
12046	FF	1	496297.4	6922450.1	48.4
12047	GF	0	496284.1	6922443.4	47.9
12047	FF	1	496284.1	6922443.4	47.9
12048	GF	0	496272.8	6922438.1	47.5
12048	FF	1	496272.8	6922438.1	47.5
12049	GF	1	496260.8	6922432.5	47.0
12049	FF	1	496260.8	6922432.5	47.0
12050	GF	1	496247.3	6922427.7	47.0
12050	FF	1	496247.3	6922427.7	47.0
12051	GF	1	496234.3	6922453.2	45.7
12051	FF	1	496234.3	6922453.2	45.7
12052	GF	0	496246.9	6922459.4	45.9
12052	FF	1	496246.9	6922459.4	45.9
12053	GF	0	496258.9	6922465.0	46.2
12053	FF	1	496258.9	6922465.0	46.2
12054	GF	0	496269.1	6922469.8	46.5
12054	FF	1	496269.1	6922469.8	46.5



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
12055	GF	0	496278.2	6922474.0	46.8
12055	FF	1	496278.2	6922474.0	46.8
12056	GF	0	496288.1	6922478.6	47.1
12056	FF	1	496288.1	6922478.6	47.1
12057	GF	0	496301.9	6922480.8	47.8
12057	FF	1	496301.9	6922480.8	47.8
13001	GF	0	496502.5	6922485.2	49.1
13001	FF	0	496502.5	6922485.2	49.1
13002	GF	0	496507.7	6922475.1	49.1
13002	FF	0	496507.7	6922475.1	49.1
13003	GF	0	496512.0	6922466.0	49.2
13003	FF	0	496512.0	6922466.0	49.2
13004	GF	0	496516.2	6922457.0	49.3
13004	FF	0	496516.2	6922457.0	49.3
13005	GF	0	496520.2	6922445.6	49.4
13005	FF	0	496520.2	6922445.6	49.4
13006	GF	0	496487.3	6922471.0	50.1
13006	FF	0	496487.3	6922471.0	50.1
13007	GF	0	496480.2	6922467.4	50.4
13007	FF	0	496480.2	6922467.4	50.4
13008	GF	0	496473.7	6922463.6	50.6
13008	FF	0	496473.7	6922463.6	50.6
13009	GF	0	496461.4	6922457.6	50.8
13009	FF	0	496461.4	6922457.6	50.8
13010	GF	0	496452.6	6922446.7	51.5
13010	FF	0	496452.6	6922446.7	51.5
13011	GF	0	496449.8	6922431.7	52.2
13011	FF	0	496449.8	6922431.7	52.2
13012	GF	0	496447.5	6922423.6	52.4
13012	FF	0	496447.5	6922423.6	52.4
13013	GF	0	496445.6	6922414.7	52.7
13013	FF	0	496445.6	6922414.7	52.7
13014	GF	0	496444.3	6922406.6	52.9
13014	FF	0	496444.3	6922406.6	52.9
13015	GF	0	496443.1	6922399.2	53.1



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
13015	FF	0	496443.1	6922399.2	53.1
13016	GF	0	496441.7	6922391.1	53.3
13016	FF	0	496441.7	6922391.1	53.3
13017	GF	0	496440.3	6922382.2	53.5
13017	FF	0	496440.3	6922382.2	53.5
13018	GF	0	496438.9	6922374.1	53.7
13018	FF	0	496438.9	6922374.1	53.7
13019	GF	0	496437.7	6922366.7	53.9
13019	FF	0	496437.7	6922366.7	53.9
13020	GF	0	496436.4	6922359.2	54.4
13020	FF	0	496436.4	6922359.2	54.4
13021	GF	0	496435.3	6922347.2	54.4
13021	FF	0	496435.3	6922347.2	54.4
13022	GF	0	496464.6	6922339.8	53.6
13022	FF	0	496464.6	6922339.8	53.6
13023	GF	0	496467.2	6922355.1	53.1
13023	FF	0	496467.2	6922355.1	53.1
13024	GF	0	496469.5	6922368.9	52.5
13024	FF	0	496469.5	6922368.9	52.5
13025	GF	0	496471.5	6922380.7	52.2
13025	FF	0	496471.5	6922380.7	52.2
13026	GF	0	496473.4	6922392.6	51.6
13026	FF	0	496473.4	6922392.6	51.6
13027	GF	0	496475.7	6922406.4	51.2
13027	FF	0	496475.7	6922406.4	51.2
13028	GF	0	496477.4	6922420.6	51.0
13028	FF	0	496477.4	6922420.6	51.0
13029	GF	0	496485.6	6922434.8	50.6
13029	FF	0	496485.6	6922434.8	50.6
13030	GF	0	496498.7	6922442.5	50.1
13030	FF	0	496498.7	6922442.5	50.1
13031	GF	0	496535.1	6922417.9	50.2
13031	FF	0	496535.1	6922417.9	50.2
13032	GF	0	496539.7	6922409.2	50.2
13032	FF	0	496539.7	6922409.2	50.2



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
13033	GF	0	496544.7	6922398.1	50.3
13033	FF	0	496544.7	6922398.1	50.3
13034	GF	0	496547.2	6922380.4	50.4
13034	FF	0	496547.2	6922380.4	50.4
13035	GF	0	496545.2	6922368.5	51.0
13035	FF	0	496545.2	6922368.5	51.0
13036	GF	0	496543.6	6922358.7	51.5
13036	FF	0	496543.6	6922358.7	51.5
13037	GF	0	496541.9	6922348.8	52.0
13037	FF	0	496541.9	6922348.8	52.0
13038	GF	0	496540.3	6922339.0	52.5
13038	FF	0	496540.3	6922339.0	52.5
13039	GF	0	496538.3	6922327.1	53.1
13039	FF	0	496538.3	6922327.1	53.1
13040	GF	0	496509.4	6922331.3	53.5
13040	FF	0	496509.4	6922331.3	53.5
13041	GF	0	496511.3	6922343.2	53.1
13041	FF	0	496511.3	6922343.2	53.1
13042	GF	0	496513.0	6922353.0	52.7
13042	FF	0	496513.0	6922353.0	52.7
13043	GF	0	496514.6	6922362.9	52.3
13043	FF	0	496514.6	6922362.9	52.3
13044	GF	0	496516.3	6922372.7	51.9
13044	FF	0	496516.3	6922372.7	51.9
13045	GF	0	496517.9	6922382.6	51.6
13045	FF	0	496517.9	6922382.6	51.6
13046	GF	0	496521.7	6922403.6	51.2
13046	FF	0	496521.7	6922403.6	51.2
13047	GF	0	496398.6	6922388.1	52.0
13047	FF	0	496398.6	6922388.1	52.0
13048	GF	0	496385.0	6922390.4	51.6
13048	FF	0	496385.0	6922390.4	51.6
13049	GF	0	496372.7	6922392.5	51.2
13049	FF	0	496372.7	6922392.5	51.2
13050	GF	0	496360.3	6922394.5	50.8



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
13050	FF	0	496360.3	6922394.5	50.8
13051	GF	0	496348.0	6922396.6	50.4
13051	FF	0	496348.0	6922396.6	50.4
13052	GF	0	496335.7	6922398.6	49.9
13052	FF	0	496335.7	6922398.6	49.9
13053	GF	0	496321.7	6922401.3	49.0
13053	FF	0	496321.7	6922401.3	49.0
13054	GF	0	496301.9	6922398.0	48.2
13054	FF	0	496301.9	6922398.0	48.2
13055	GF	0	496291.7	6922393.0	47.9
13055	FF	0	496291.7	6922393.0	47.9
13056	GF	0	496282.7	6922388.8	47.5
13056	FF	0	496282.7	6922388.8	47.5
13057	GF	0	496271.8	6922383.3	47.5
13057	FF	0	496271.8	6922383.3	47.5
13058	GF	0	496390.2	6922359.5	53.6
13058	FF	0	496390.2	6922359.5	53.6
13059	GF	0	496376.1	6922361.0	53.4
13059	FF	0	496376.1	6922361.0	53.4
13060	GF	0	496366.5	6922362.4	53.0
13060	FF	0	496366.5	6922362.4	53.0
13061	GF	0	496354.9	6922363.9	52.7
13061	FF	0	496354.9	6922363.9	52.7
13062	GF	0	496342.4	6922365.2	52.1
13062	FF	0	496342.4	6922365.2	52.1
13063	GF	0	496331.2	6922366.3	51.7
13063	FF	0	496331.2	6922366.3	51.7
13064	GF	0	496312.2	6922368.6	50.5
13064	FF	0	496312.2	6922368.6	50.5
13065	GF	0	496297.2	6922363.9	49.9
13065	FF	0	496297.2	6922363.9	49.9
13066	GF	0	496282.5	6922360.2	49.3
13066	FF	0	496282.5	6922360.2	49.3
14001	GF	1	496192.6	6922439.9	45.2
14001	FF	1	496192.6	6922439.9	45.2



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
14002	GF	1	496198.9	6922429.4	45.2
14002	FF	1	496198.9	6922429.4	45.2
14003	GF	1	496205.4	6922416.7	45.4
14003	FF	1	496205.4	6922416.7	45.4
14004	GF	1	496212.0	6922404.1	46.3
14004	FF	1	496212.0	6922404.1	46.3
14005	GF	1	496217.7	6922392.9	46.3
14005	FF	1	496217.7	6922392.9	46.3
14006	GF	1	496223.8	6922381.2	46.8
14006	FF	1	496223.8	6922381.2	46.8
14007	GF	1	496230.2	6922368.7	47.4
14007	FF	1	496230.2	6922368.7	47.4
14008	GF	1	496237.1	6922355.4	48.0
14008	FF	1	496237.1	6922355.4	48.0
14009	GF	1	496245.2	6922341.2	48.7
14009	FF	1	496245.2	6922341.2	48.7
14010	GF	1	496256.6	6922309.2	49.8
14010	FF	1	496256.6	6922309.2	49.8
14011	GF	0	496273.1	6922313.8	50.1
14011	FF	1	496273.1	6922313.8	50.1
14012	GF	0	496288.2	6922315.8	50.3
14012	FF	0	496288.2	6922315.8	50.3
14013	GF	0	496302.6	6922318.4	50.9
14013	FF	0	496302.6	6922318.4	50.9
14014	GF	0	496316.4	6922319.9	51.5
14014	FF	0	496316.4	6922319.9	51.5
14015	GF	0	496330.7	6922320.7	52.1
14015	FF	0	496330.7	6922320.7	52.1
14016	GF	0	496346.3	6922319.7	53.0
14016	FF	0	496346.3	6922319.7	53.0
14017	GF	0	496358.5	6922317.7	53.9
14017	FF	0	496358.5	6922317.7	53.9
14018	GF	0	496369.2	6922316.2	54.5
14018	FF	0	496369.2	6922316.2	54.5
14019	GF	0	496383.8	6922314.4	55.1



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
14019	FF	0	496383.8	6922314.4	55.1
14020	GF	0	496380.3	6922282.7	55.6
14020	FF	0	496380.3	6922282.7	55.6
14021	GF	0	496365.6	6922285.8	55.0
14021	FF	0	496365.6	6922285.8	55.0
14022	GF	0	496354.0	6922287.4	54.5
14022	FF	0	496354.0	6922287.4	54.5
14023	GF	0	496344.6	6922288.0	54.0
14023	FF	0	496344.6	6922288.0	54.0
14024	GF	0	496333.5	6922288.7	53.5
14024	FF	0	496333.5	6922288.7	53.5
14025	GF	0	496316.6	6922287.5	52.8
14025	FF	0	496316.6	6922287.5	52.8
14026	GF	0	496300.4	6922286.2	52.5
14026	FF	1	496300.4	6922286.2	52.5
14027	GF	1	496285.9	6922283.6	52.3
14027	FF	1	496285.9	6922283.6	52.3
14028	GF	1	496271.2	6922280.5	52.2
14028	FF	1	496271.2	6922280.5	52.2
14029	GF	1	496252.8	6922266.2	51.9
14029	FF	1	496252.8	6922266.2	51.9
14030	GF	1	496246.8	6922274.8	51.6
14030	FF	1	496246.8	6922274.8	51.6
14031	GF	1	496242.2	6922283.7	51.3
14031	FF	1	496242.2	6922283.7	51.3
14032	GF	1	496237.6	6922292.5	50.9
14032	FF	1	496237.6	6922292.5	50.9
14033	GF	1	496232.4	6922302.5	50.3
14033	FF	1	496232.4	6922302.5	50.3
14034	GF	1	496226.7	6922313.6	49.5
14034	FF	1	496226.7	6922313.6	49.5
14035	GF	1	496220.2	6922326.3	48.6
14035	FF	1	496220.2	6922326.3	48.6
14036	GF	1	496212.8	6922340.5	47.6
14036	FF	1	496212.8	6922340.5	47.6



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
14037	GF	1	496206.0	6922353.9	46.8
14037	FF	1	496206.0	6922353.9	46.8
14038	GF	1	496199.5	6922366.3	46.0
14038	FF	1	496199.5	6922366.3	46.0
14039	GF	1	496193.5	6922378.1	45.4
14039	FF	1	496193.5	6922378.1	45.4
14040	GF	1	496187.7	6922389.2	45.1
14040	FF	1	496187.7	6922389.2	45.1
14041	GF	1	496181.2	6922401.9	45.0
14041	FF	1	496181.2	6922401.9	45.0
14042	GF	1	496174.7	6922414.5	45.0
14042	FF	1	496174.7	6922414.5	45.0
14043	GF	1	496169.8	6922426.8	45.0
14043	FF	2	496169.8	6922426.8	45.0
14044	GF	0	496429.0	6922309.3	56.0
14044	FF	0	496429.0	6922309.3	56.0
14045	GF	0	496426.8	6922296.9	56.0
14045	FF	0	496426.8	6922296.9	56.0
14046	GF	0	496425.1	6922286.6	56.2
14046	FF	0	496425.1	6922286.6	56.2
14047	GF	0	496423.1	6922274.8	56.4
14047	FF	0	496423.1	6922274.8	56.4
14048	GF	0	496420.8	6922261.0	56.4
14048	FF	0	496420.8	6922261.0	56.4
14049	GF	0	496418.8	6922249.1	56.9
14049	FF	0	496418.8	6922249.1	56.9
14050	GF	0	496417.2	6922239.2	56.9
14050	FF	0	496417.2	6922239.2	56.9
14051	GF	0	496415.5	6922229.4	57.0
14051	FF	0	496415.5	6922229.4	57.0
14052	GF	0	496413.9	6922219.3	57.1
14052	FF	0	496413.9	6922219.3	57.1
14053	GF	0	496412.0	6922208.4	57.1
14053	FF	0	496412.0	6922208.4	57.1
14054	GF	0	496410.3	6922193.0	57.2



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
14054	FF	0	496410.3	6922193.0	57.2
14055	GF	0	496455.7	6922307.9	55.4
14055	FF	0	496455.7	6922307.9	55.4
14056	GF	0	496454.0	6922294.8	55.4
14056	FF	0	496454.0	6922294.8	55.4
14057	GF	0	496452.0	6922282.5	55.9
14057	FF	0	496452.0	6922282.5	55.9
14058	GF	0	496449.8	6922269.4	56.3
14058	FF	0	496449.8	6922269.4	56.3
14059	GF	0	496447.5	6922255.6	56.5
14059	FF	0	496447.5	6922255.6	56.5
14060	GF	0	496445.5	6922243.7	57.0
14060	FF	0	496445.5	6922243.7	57.0
14061	GF	0	496443.9	6922233.9	57.3
14061	FF	0	496443.9	6922233.9	57.3
14062	GF	0	496442.3	6922224.0	57.7
14062	FF	0	496442.3	6922224.0	57.7
14063	GF	0	496441.7	6922214.5	58.0
14063	FF	0	496441.7	6922214.5	58.0
14064	GF	0	496439.7	6922202.2	58.4
14064	FF	0	496439.7	6922202.2	58.4
14065	GF	0	496437.2	6922187.6	58.8
14065	FF	0	496437.2	6922187.6	58.8
14066	GF	0	496504.7	6922301.7	55.2
14066	FF	0	496504.7	6922301.7	55.2
14067	GF	0	496502.5	6922289.1	55.2
14067	FF	0	496502.5	6922289.1	55.2
14068	GF	0	496500.5	6922276.8	55.6
14068	FF	0	496500.5	6922276.8	55.6
14069	GF	0	496498.6	6922265.7	56.3
14069	FF	0	496498.6	6922265.7	56.3
14070	GF	0	496497.0	6922255.8	56.6
14070	FF	0	496497.0	6922255.8	56.6
14071	GF	0	496495.0	6922244.0	57.0
14071	FF	0	496495.0	6922244.0	57.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
14072	GF	0	496492.7	6922230.1	57.4
14072	FF	0	496492.7	6922230.1	57.4
14073	GF	0	496490.6	6922217.1	57.9
14073	FF	0	496490.6	6922217.1	57.9
14074	GF	0	496488.5	6922204.7	58.3
14074	FF	0	496488.5	6922204.7	58.3
14075	GF	0	496486.5	6922192.4	58.8
14075	FF	0	496486.5	6922192.4	58.8
14076	GF	0	496484.7	6922178.5	59.2
14076	FF	0	496484.7	6922178.5	59.2
14077	GF	0	496536.0	6922294.4	55.2
14077	FF	0	496536.0	6922294.4	55.2
14078	GF	0	496534.4	6922281.3	55.2
14078	FF	0	496534.4	6922281.3	55.2
14079	GF	0	496532.3	6922269.0	55.8
14079	FF	0	496532.3	6922269.0	55.8
14080	GF	0	496530.5	6922257.9	56.4
14080	FF	0	496530.5	6922257.9	56.4
14081	GF	0	496528.8	6922248.0	56.8
14081	FF	0	496528.8	6922248.0	56.8
14082	GF	0	496526.9	6922236.2	57.3
14082	FF	0	496526.9	6922236.2	57.3
14083	GF	0	496524.6	6922222.4	57.9
14083	FF	0	496524.6	6922222.4	57.9
14084	GF	0	496522.4	6922209.3	58.5
14084	FF	0	496522.4	6922209.3	58.5
14085	GF	0	496520.4	6922197.0	59.1
14085	FF	0	496520.4	6922197.0	59.1
14086	GF	0	496518.3	6922184.6	59.7
14086	FF	0	496518.3	6922184.6	59.7
14087	GF	0	496516.0	6922171.3	60.1
14087	FF	0	496516.0	6922171.3	60.1
15001	GF	0	496508.9	6922136.7	59.8
15001	FF	0	496508.9	6922136.7	59.8
15002	GF	0	496507.4	6922124.4	59.3



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
15002	FF	0	496507.4	6922124.4	59.3
15003	GF	0	496505.7	6922114.5	58.7
15003	FF	0	496505.7	6922114.5	58.7
15004	GF	0	496504.1	6922104.7	58.0
15004	FF	0	496504.1	6922104.7	58.0
15005	GF	0	496502.0	6922092.8	58.0
15005	FF	0	496502.0	6922092.8	58.0
15006	GF	0	496489.0	6922130.8	59.2
15006	FF	0	496489.0	6922130.8	59.2
15007	GF	0	496479.0	6922132.4	59.2
15007	FF	0	496479.0	6922132.4	59.2
15008	GF	0	496467.1	6922134.4	59.1
15008	FF	0	496467.1	6922134.4	59.1
15009	GF	0	496454.1	6922136.6	59.0
15009	FF	0	496454.1	6922136.6	59.0
15010	GF	0	496441.7	6922138.6	59.1
15010	FF	0	496441.7	6922138.6	59.1
15011	GF	0	496430.6	6922140.4	58.8
15011	FF	0	496430.6	6922140.4	58.8
15012	GF	0	496420.8	6922142.1	58.4
15012	FF	0	496420.8	6922142.1	58.4
15013	GF	0	496410.6	6922143.6	58.4
15013	FF	0	496410.6	6922143.6	58.4
15014	GF	0	496396.5	6922145.2	58.1
15014	FF	0	496396.5	6922145.2	58.1
15015	GF	0	496399.0	6922125.9	57.3
15015	FF	0	496399.0	6922125.9	57.3
15016	GF	0	496397.9	6922115.8	57.4
15016	FF	0	496397.9	6922115.8	57.4
15017	GF	0	496395.9	6922103.1	57.4
15017	FF	0	496395.9	6922103.1	57.4
15018	GF	0	496415.5	6922113.5	57.8
15018	FF	0	496415.5	6922113.5	57.8
15019	GF	0	496425.4	6922111.9	57.7
15019	FF	0	496425.4	6922111.9	57.7



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
15020	GF	0	496436.5	6922110.0	57.7
15020	FF	0	496436.5	6922110.0	57.7
15021	GF	0	496448.8	6922108.0	57.6
15021	FF	0	496448.8	6922108.0	57.6
15022	GF	0	496461.9	6922105.8	57.6
15022	FF	0	496461.9	6922105.8	57.6
15023	GF	0	496473.7	6922103.9	57.5
15023	FF	0	496473.7	6922103.9	57.5
15024	GF	0	496483.8	6922102.2	57.5
15024	FF	0	496483.8	6922102.2	57.5
15025	GF	0	496358.3	6922150.1	57.0
15025	FF	0	496358.3	6922150.1	57.0
15026	GF	0	496349.4	6922153.1	56.8
15026	FF	0	496349.4	6922153.1	56.8
15027	GF	0	496340.8	6922154.8	56.6
15027	FF	0	496340.8	6922154.8	56.6
15028	GF	0	496332.1	6922155.3	56.4
15028	FF	0	496332.1	6922155.3	56.4
15029	GF	0	496319.8	6922155.4	56.2
15029	FF	1	496319.8	6922155.4	56.2
15030	GF	1	496308.1	6922155.5	56.0
15030	FF	1	496308.1	6922155.5	56.0
15031	GF	1	496297.9	6922153.0	55.8
15031	FF	1	496297.9	6922153.0	55.8
15032	GF	1	496289.2	6922150.7	55.6
15032	FF	1	496289.2	6922150.7	55.6
15033	GF	1	496280.6	6922148.1	55.4
15033	FF	1	496280.6	6922148.1	55.4
15034	GF	1	496289.7	6922112.7	55.2
15034	FF	1	496289.7	6922112.7	55.2
15035	GF	1	496298.5	6922114.3	55.6
15035	FF	1	496298.5	6922114.3	55.6
15036	GF	1	496307.4	6922115.3	55.8
15036	FF	1	496307.4	6922115.3	55.8
15037	GF	0	496316.1	6922117.3	56.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
15037	FF	1	496316.1	6922117.3	56.0
15038	GF	0	496325.1	6922118.6	56.2
15038	FF	0	496325.1	6922118.6	56.2
15039	GF	0	496338.0	6922118.6	56.5
15039	FF	0	496338.0	6922118.6	56.5
15040	GF	0	496346.5	6922118.0	56.8
15040	FF	0	496346.5	6922118.0	56.8
15041	GF	0	496355.4	6922116.6	57.0
15041	FF	0	496355.4	6922116.6	57.0
15042	GF	0	496373.4	6922042.5	56.6
15042	FF	0	496373.4	6922042.5	56.6
15043	GF	0	496367.4	6922050.3	56.5
15043	FF	0	496367.4	6922050.3	56.5
15044	GF	0	496360.4	6922058.6	56.4
15044	FF	0	496360.4	6922058.6	56.4
15045	GF	0	496343.3	6922067.1	56.6
15045	FF	0	496343.3	6922067.1	56.6
15046	GF	0	496332.4	6922066.6	56.3
15046	FF	0	496332.4	6922066.6	56.3
15047	GF	0	496322.4	6922066.4	56.0
15047	FF	1	496322.4	6922066.4	56.0
15048	GF	1	496302.3	6922073.6	54.5
15048	FF	1	496302.3	6922073.6	54.5
15049	GF	1	496302.9	6922061.1	54.4
15049	FF	1	496302.9	6922061.1	54.4
15050	GF	1	496303.6	6922051.1	54.5
15050	FF	1	496303.6	6922051.1	54.5
15051	GF	1	496304.1	6922041.1	54.3
15051	FF	1	496304.1	6922041.1	54.3
15052	GF	1	496304.5	6922029.7	54.3
15052	FF	1	496304.5	6922029.7	54.3
15053	GF	0	496325.1	6922037.1	54.5
15053	FF	1	496325.1	6922037.1	54.5
15054	GF	0	496345.9	6922031.9	54.6
15054	FF	0	496345.9	6922031.9	54.6



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
15055	GF	0	496352.0	6922023.6	54.6
15055	FF	0	496352.0	6922023.6	54.6
15056	GF	0	496368.4	6922000.9	54.7
15056	FF	0	496368.4	6922000.9	54.7
15057	GF	0	496377.3	6922005.9	55.5
15057	FF	0	496377.3	6922005.9	55.5
15058	GF	0	496382.9	6922011.0	55.8
15058	FF	0	496382.9	6922011.0	55.8
15059	GF	0	496388.5	6922016.0	56.2
15059	FF	0	496388.5	6922016.0	56.2
15060	GF	0	496394.0	6922021.0	56.5
15060	FF	0	496394.0	6922021.0	56.5
15061	GF	0	496400.8	6922026.1	56.9
15061	FF	0	496400.8	6922026.1	56.9
15062	GF	0	496477.4	6922054.8	56.9
15062	FF	0	496477.4	6922054.8	56.9
15063	GF	0	496465.5	6922061.4	57.0
15063	FF	0	496465.5	6922061.4	57.0
15064	GF	0	496453.9	6922063.4	57.1
15064	FF	0	496453.9	6922063.4	57.1
15065	GF	0	496427.0	6922072.2	57.4
15065	FF	0	496427.0	6922072.2	57.4
15066	GF	0	496415.9	6922064.0	57.4
15066	FF	0	496415.9	6922064.0	57.4
15067	GF	0	496432.9	6922052.8	57.5
15067	FF	0	496432.9	6922052.8	57.5
15068	GF	0	496439.6	6922045.3	57.2
15068	FF	0	496439.6	6922045.3	57.2
15069	GF	0	496446.3	6922037.9	56.8
15069	FF	0	496446.3	6922037.9	56.8
15070	GF	0	496453.0	6922030.5	56.5
15070	FF	0	496453.0	6922030.5	56.5
15071	GF	0	496462.3	6922020.8	55.5
15071	FF	0	496462.3	6922020.8	55.5
17001	GF	1	496310.8	6921998.7	54.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17001	FF	1	496310.8	6921998.7	54.0
17002	GF	1	496308.2	6921984.3	53.9
17002	FF	1	496308.2	6921984.3	53.9
17003	GF	1	496306.0	6921971.3	53.8
17003	FF	1	496306.0	6921971.3	53.8
17004	GF	1	496304.0	6921958.9	53.5
17004	FF	1	496304.0	6921958.9	53.5
17005	GF	1	496302.1	6921947.8	53.2
17005	FF	1	496302.1	6921947.8	53.2
17006	GF	1	496300.5	6921938.0	52.8
17006	FF	1	496300.5	6921938.0	52.8
17007	GF	1	496298.8	6921928.1	52.3
17007	FF	1	496298.8	6921928.1	52.3
17008	GF	1	496297.2	6921918.3	52.0
17008	FF	1	496297.2	6921918.3	52.0
17009	GF	1	496295.4	6921907.2	51.4
17009	FF	1	496295.4	6921907.2	51.4
17010	GF	1	496293.3	6921894.8	50.6
17010	FF	1	496293.3	6921894.8	50.6
17011	GF	1	496291.2	6921882.5	50.0
17011	FF	1	496291.2	6921882.5	50.0
17012	GF	1	496289.4	6921871.4	49.4
17012	FF	1	496289.4	6921871.4	49.4
17013	GF	1	496287.8	6921861.5	48.9
17013	FF	1	496287.8	6921861.5	48.9
17014	GF	1	496286.1	6921851.7	48.3
17014	FF	1	496286.1	6921851.7	48.3
17015	GF	1	496283.2	6921833.9	47.2
17015	FF	1	496283.2	6921833.9	47.2
17016	GF	1	496281.2	6921822.1	46.6
17016	FF	1	496281.2	6921822.1	46.6
17017	GF	1	496278.9	6921808.3	46.2
17017	FF	1	496278.9	6921808.3	46.2
17018	GF	1	496276.7	6921795.2	46.0
17018	FF	1	496276.7	6921795.2	46.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17019	GF	1	496275.1	6921782.3	46.0
17019	FF	1	496275.1	6921782.3	46.0
17020	GF	0	496339.1	6921978.5	54.4
17020	FF	0	496339.1	6921978.5	54.4
17021	GF	0	496336.7	6921962.7	53.7
17021	FF	0	496336.7	6921962.7	53.7
17022	GF	0	496334.8	6921951.6	53.4
17022	FF	0	496334.8	6921951.6	53.4
17023	GF	0	496333.0	6921940.5	53.2
17023	FF	0	496333.0	6921940.5	53.2
17024	GF	0	496331.3	6921930.7	53.0
17024	FF	0	496331.3	6921930.7	53.0
17025	GF	0	496329.7	6921920.8	52.8
17025	FF	1	496329.7	6921920.8	52.8
17026	GF	0	496328.1	6921910.9	52.7
17026	FF	1	496328.1	6921910.9	52.7
17027	GF	0	496326.2	6921899.8	52.4
17027	FF	1	496326.2	6921899.8	52.4
17028	GF	0	496324.2	6921887.5	52.1
17028	FF	1	496324.2	6921887.5	52.1
17029	GF	0	496322.1	6921875.2	50.9
17029	FF	1	496322.1	6921875.2	50.9
17030	GF	0	496320.3	6921864.1	50.5
17030	FF	1	496320.3	6921864.1	50.5
17031	GF	0	496318.6	6921854.2	50.2
17031	FF	1	496318.6	6921854.2	50.2
17032	GF	0	496317.0	6921844.3	49.8
17032	FF	1	496317.0	6921844.3	49.8
17033	GF	0	496314.0	6921826.6	49.0
17033	FF	1	496314.0	6921826.6	49.0
17034	GF	0	496312.1	6921814.7	48.6
17034	FF	1	496312.1	6921814.7	48.6
17035	GF	0	496309.8	6921800.9	48.0
17035	FF	1	496309.8	6921800.9	48.0
17036	GF	0	496307.6	6921787.9	47.4



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17036	FF	1	496307.6	6921787.9	47.4
17037	GF	0	496305.4	6921775.4	46.9
17037	FF	1	496305.4	6921775.4	46.9
17038	GF	0	496382.3	6921963.5	53.8
17038	FF	0	496382.3	6921963.5	53.8
17039	GF	0	496380.3	6921951.6	53.6
17039	FF	0	496380.3	6921951.6	53.6
17040	GF	0	496378.6	6921941.8	53.4
17040	FF	0	496378.6	6921941.8	53.4
17041	GF	0	496377.0	6921931.9	53.2
17041	FF	0	496377.0	6921931.9	53.2
17042	GF	0	496375.4	6921919.6	53.2
17042	FF	0	496375.4	6921919.6	53.2
17043	GF	0	496369.5	6921888.7	52.2
17043	FF	0	496369.5	6921888.7	52.2
17044	GF	0	496367.4	6921876.9	52.0
17044	FF	0	496367.4	6921876.9	52.0
17045	GF	0	496365.8	6921867.0	51.8
17045	FF	0	496365.8	6921867.0	51.8
17046	GF	0	496364.1	6921857.2	51.4
17046	FF	0	496364.1	6921857.2	51.4
17047	GF	0	496363.1	6921844.7	51.4
17047	FF	0	496363.1	6921844.7	51.4
17048	GF	0	496357.2	6921812.8	49.9
17048	FF	0	496357.2	6921812.8	49.9
17049	GF	0	496355.1	6921800.9	49.4
17049	FF	0	496355.1	6921800.9	49.4
17050	GF	0	496353.5	6921791.1	49.0
17050	FF	0	496353.5	6921791.1	49.0
17051	GF	0	496351.9	6921781.2	48.6
17051	FF	0	496351.9	6921781.2	48.6
17052	GF	0	496350.3	6921768.9	48.6
17052	FF	0	496350.3	6921768.9	48.6
17053	GF	2	496258.5	6921745.8	44.9
17053	FF	2	496258.5	6921745.8	44.9



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17054	GF	2	496269.1	6921744.0	45.2
17054	FF	2	496269.1	6921744.0	45.2
17055	GF	2	496278.0	6921742.6	45.6
17055	FF	2	496278.0	6921742.6	45.6
17056	GF	2	496286.9	6921741.1	45.9
17056	FF	2	496286.9	6921741.1	45.9
17057	GF	2	496295.7	6921739.6	46.5
17057	FF	2	496295.7	6921739.6	46.5
17058	GF	2	496304.6	6921738.1	46.9
17058	FF	2	496304.6	6921738.1	46.9
17059	GF	2	496313.5	6921736.7	47.3
17059	FF	2	496313.5	6921736.7	47.3
17060	GF	2	496322.4	6921735.2	47.8
17060	FF	2	496322.4	6921735.2	47.8
17061	GF	2	496331.2	6921733.7	48.2
17061	FF	2	496331.2	6921733.7	48.2
17062	GF	2	496340.1	6921732.2	48.7
17062	FF	2	496340.1	6921732.2	48.7
17063	GF	2	496349.0	6921730.8	49.1
17063	FF	2	496349.0	6921730.8	49.1
17064	GF	2	496357.9	6921729.3	49.7
17064	FF	2	496357.9	6921729.3	49.7
17065	GF	2	496366.8	6921727.8	50.1
17065	FF	2	496366.8	6921727.8	50.1
17066	GF	2	496375.6	6921726.3	50.6
17066	FF	2	496375.6	6921726.3	50.6
17067	GF	2	496384.5	6921724.8	51.1
17067	FF	2	496384.5	6921724.8	51.1
17068	GF	2	496393.4	6921723.4	51.6
17068	FF	2	496393.4	6921723.4	51.6
17069	GF	2	496402.3	6921721.9	51.9
17069	FF	2	496402.3	6921721.9	51.9
17070	GF	2	496411.1	6921720.4	52.5
17070	FF	2	496411.1	6921720.4	52.5
17071	GF	2	496420.0	6921718.9	53.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17071	FF	2	496420.0	6921718.9	53.0
17072	GF	2	496428.9	6921717.5	53.5
17072	FF	2	496428.9	6921717.5	53.5
17073	GF	2	496437.8	6921716.0	54.0
17073	FF	2	496437.8	6921716.0	54.0
17074	GF	2	496447.9	6921714.7	54.4
17074	FF	2	496447.9	6921714.7	54.4
17075	GF	0	496404.7	6921955.1	54.6
17075	FF	0	496404.7	6921955.1	54.6
17076	GF	0	496422.9	6921952.7	54.7
17076	FF	0	496422.9	6921952.7	54.7
17077	GF	0	496444.5	6921963.9	53.3
17077	FF	0	496444.5	6921963.9	53.3
17078	GF	0	496455.3	6921953.9	53.0
17078	FF	0	496455.3	6921953.9	53.0
17079	GF	0	496462.1	6921946.6	52.8
17079	FF	0	496462.1	6921946.6	52.8
17080	GF	0	496470.1	6921938.1	52.8
17080	FF	0	496470.1	6921938.1	52.8
17081	GF	0	496473.6	6921919.7	53.0
17081	FF	0	496473.6	6921919.7	53.0
17082	GF	0	496471.6	6921905.2	53.5
17082	FF	0	496471.6	6921905.2	53.5
17083	GF	0	496448.8	6921917.3	53.4
17083	FF	0	496448.8	6921917.3	53.4
17084	GF	0	496433.8	6921918.0	53.3
17084	FF	0	496433.8	6921918.0	53.3
17085	GF	0	496421.4	6921920.1	53.2
17085	FF	0	496421.4	6921920.1	53.2
17086	GF	0	496409.1	6921922.1	53.1
17086	FF	0	496409.1	6921922.1	53.1
17087	GF	0	496396.8	6921924.2	52.9
17087	FF	0	496396.8	6921924.2	52.9
17088	GF	0	496388.7	6921877.7	52.7
17088	FF	0	496388.7	6921877.7	52.7



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17089	GF	0	496399.0	6921876.0	52.8
17089	FF	0	496399.0	6921876.0	52.8
17090	GF	0	496408.9	6921874.4	52.9
17090	FF	0	496408.9	6921874.4	52.9
17091	GF	0	496420.0	6921872.5	53.0
17091	FF	0	496420.0	6921872.5	53.0
17092	GF	0	496432.3	6921870.5	53.1
17092	FF	0	496432.3	6921870.5	53.1
17093	GF	0	496444.6	6921868.4	53.2
17093	FF	0	496444.6	6921868.4	53.2
17094	GF	0	496465.0	6921872.6	54.4
17094	FF	0	496465.0	6921872.6	54.4
17095	GF	0	496463.4	6921860.3	54.5
17095	FF	0	496463.4	6921860.3	54.5
17096	GF	0	496461.8	6921850.4	54.7
17096	FF	0	496461.8	6921850.4	54.7
17097	GF	0	496460.1	6921840.5	54.9
17097	FF	0	496460.1	6921840.5	54.9
17098	GF	0	496458.1	6921828.7	55.1
17098	FF	0	496458.1	6921828.7	55.1
17099	GF	0	496440.2	6921840.0	53.5
17099	FF	0	496440.2	6921840.0	53.5
17100	GF	0	496427.9	6921842.1	53.0
17100	FF	0	496427.9	6921842.1	53.0
17101	GF	0	496415.6	6921844.1	52.5
17101	FF	0	496415.6	6921844.1	52.5
17102	GF	0	496404.5	6921846.0	52.1
17102	FF	0	496404.5	6921846.0	52.1
17103	GF	0	496394.6	6921847.6	51.7
17103	FF	0	496394.6	6921847.6	51.7
17104	GF	0	496384.3	6921849.3	51.3
17104	FF	0	496384.3	6921849.3	51.3
17105	GF	0	496377.2	6921802.2	51.3
17105	FF	0	496377.2	6921802.2	51.3
17106	GF	0	496389.5	6921800.1	51.8



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
17106	FF	0	496389.5	6921800.1	51.8
17107	GF	0	496401.8	6921798.1	52.3
17107	FF	0	496401.8	6921798.1	52.3
17108	GF	0	496412.9	6921796.2	52.8
17108	FF	0	496412.9	6921796.2	52.8
17109	GF	0	496422.8	6921794.6	53.1
17109	FF	0	496422.8	6921794.6	53.1
17110	GF	0	496433.1	6921792.9	53.5
17110	FF	0	496433.1	6921792.9	53.5
17111	GF	0	496452.6	6921798.4	54.7
17111	FF	0	496452.6	6921798.4	54.7
17112	GF	0	496451.1	6921786.1	54.9
17112	FF	0	496451.1	6921786.1	54.9
17113	GF	0	496449.4	6921776.2	54.9
17113	FF	0	496449.4	6921776.2	54.9
17114	GF	0	496447.8	6921766.3	54.9
17114	FF	0	496447.8	6921766.3	54.9
17115	GF	0	496445.7	6921754.5	54.6
17115	FF	0	496445.7	6921754.5	54.6
17116	GF	0	496428.3	6921764.8	53.2
17116	FF	0	496428.3	6921764.8	53.2
17117	GF	0	496418.0	6921766.5	52.7
17117	FF	0	496418.0	6921766.5	52.7
17118	GF	0	496408.2	6921768.1	52.2
17118	FF	0	496408.2	6921768.1	52.2
17119	GF	0	496397.1	6921770.0	51.5
17119	FF	0	496397.1	6921770.0	51.5
17120	GF	0	496384.7	6921772.0	50.9
17120	FF	0	496384.7	6921772.0	50.9
17121	GF	0	496372.4	6921774.1	50.2
17121	FF	0	496372.4	6921774.1	50.2
18001	GF	2	496668.8	6921621.0	41.1
18001	FF	2	496668.8	6921621.0	41.1
18002	GF	2	496659.2	6921622.5	41.1
18002	FF	2	496659.2	6921622.5	41.1



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
18003	GF	2	496650.3	6921624.0	41.8
18003	FF	2	496650.3	6921624.0	41.8
18004	GF	2	496641.4	6921625.4	42.4
18004	FF	2	496641.4	6921625.4	42.4
18005	GF	2	496632.6	6921626.9	43.1
18005	FF	2	496632.6	6921626.9	43.1
18006	GF	2	496623.7	6921628.4	43.8
18006	FF	2	496623.7	6921628.4	43.8
18007	GF	2	496614.8	6921629.9	44.5
18007	FF	2	496614.8	6921629.9	44.5
18008	GF	2	496605.9	6921631.3	45.2
18008	FF	2	496605.9	6921631.3	45.2
18009	GF	2	496597.1	6921632.8	45.8
18009	FF	2	496597.1	6921632.8	45.8
18010	GF	2	496588.2	6921634.3	46.5
18010	FF	2	496588.2	6921634.3	46.5
18011	GF	2	496579.3	6921635.8	47.2
18011	FF	2	496579.3	6921635.8	47.2
18012	GF	2	496569.4	6921637.5	47.9
18012	FF	2	496569.4	6921637.5	47.9
18013	GF	2	496544.5	6921651.9	49.8
18013	FF	2	496544.5	6921651.9	49.8
18014	GF	1	496542.9	6921642.0	49.6
18014	FF	1	496542.9	6921642.0	49.6
18015	GF	1	496541.4	6921633.1	49.4
18015	FF	1	496541.4	6921633.1	49.4
18016	GF	0	496539.9	6921624.3	49.1
18016	FF	1	496539.9	6921624.3	49.1
18017	GF	0	496538.4	6921615.4	48.8
18017	FF	0	496538.4	6921615.4	48.8
18018	GF	0	496537.0	6921606.5	48.3
18018	FF	0	496537.0	6921606.5	48.3
18019	GF	0	496535.3	6921596.9	48.3
18019	FF	0	496535.3	6921596.9	48.3
18020	GF	0	496563.6	6921602.6	47.9



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
18020	FF	0	496563.6	6921602.6	47.9
18021	GF	0	496573.5	6921601.2	47.2
18021	FF	0	496573.5	6921601.2	47.2
18022	GF	0	496582.4	6921599.7	46.5
18022	FF	0	496582.4	6921599.7	46.5
18023	GF	0	496591.3	6921598.2	45.8
18023	FF	0	496591.3	6921598.2	45.8
18024	GF	0	496600.1	6921596.7	45.2
18024	FF	0	496600.1	6921596.7	45.2
18025	GF	0	496609.0	6921595.3	44.5
18025	FF	0	496609.0	6921595.3	44.5
18026	GF	0	496618.1	6921594.1	43.8
18026	FF	0	496618.1	6921594.1	43.8
18027	GF	0	496626.9	6921592.6	43.1
18027	FF	0	496626.9	6921592.6	43.1
18028	GF	0	496635.8	6921591.1	42.4
18028	FF	0	496635.8	6921591.1	42.4
18029	GF	0	496644.7	6921589.6	41.8
18029	FF	0	496644.7	6921589.6	41.8
18030	GF	0	496654.6	6921588.5	41.1
18030	FF	0	496654.6	6921588.5	41.1
18031	GF	0	496663.4	6921587.0	41.1
18031	FF	0	496663.4	6921587.0	41.1
18032	GF	0	496458.3	6921563.3	46.6
18032	FF	0	496458.3	6921563.3	46.6
18033	GF	0	496472.5	6921561.1	46.1
18033	FF	0	496472.5	6921561.1	46.1
18034	GF	0	496487.0	6921558.7	45.6
18034	FF	0	496487.0	6921558.7	45.6
18035	GF	0	496501.7	6921556.4	45.6
18035	FF	0	496501.7	6921556.4	45.6
18036	GF	0	496461.1	6921539.7	44.7
18036	FF	0	496461.1	6921539.7	44.7
18037	GF	0	496456.8	6921527.2	44.0
18037	FF	0	496456.8	6921527.2	44.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
18038	GF	0	496451.4	6921516.6	43.2
18038	FF	0	496451.4	6921516.6	43.2
18039	GF	0	496435.5	6921504.8	43.1
18039	FF	0	496435.5	6921504.8	43.1
18040	GF	0	496451.2	6921493.7	41.5
18040	FF	0	496451.2	6921493.7	41.5
18041	GF	0	496459.1	6921486.0	41.3
18041	FF	0	496459.1	6921486.0	41.3
18042	GF	0	496467.5	6921478.1	41.2
18042	FF	0	496467.5	6921478.1	41.2
18043	GF	0	496478.6	6921469.6	41.2
18043	FF	0	496478.6	6921469.6	41.2
18044	GF	0	496479.2	6921499.6	42.1
18044	FF	0	496479.2	6921499.6	42.1
18045	GF	0	496485.7	6921511.4	43.0
18045	FF	0	496485.7	6921511.4	43.0
18046	GF	0	496489.1	6921522.4	43.6
18046	FF	0	496489.1	6921522.4	43.6
18047	GF	0	496491.2	6921535.2	44.0
18047	FF	0	496491.2	6921535.2	44.0
18048	GF	0	496577.7	6921550.3	44.3
18048	FF	0	496577.7	6921550.3	44.3
18049	GF	0	496563.4	6921552.7	45.1
18049	FF	0	496563.4	6921552.7	45.1
18050	GF	0	496549.6	6921555.0	45.9
18050	FF	0	496549.6	6921555.0	45.9
18051	GF	0	496534.8	6921557.0	45.9
18051	FF	0	496534.8	6921557.0	45.9
18052	GF	0	496538.4	6921538.5	45.4
18052	FF	0	496538.4	6921538.5	45.4
18053	GF	0	496536.8	6921528.6	44.9
18053	FF	0	496536.8	6921528.6	44.9
18054	GF	0	496535.1	6921518.8	44.5
18054	FF	0	496535.1	6921518.8	44.5
18055	GF	0	496533.3	6921507.7	43.9



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
18055	FF	0	496533.3	6921507.7	43.9
18056	GF	0	496531.0	6921495.4	43.2
18056	FF	0	496531.0	6921495.4	43.2
18057	GF	0	496528.4	6921484.3	42.7
18057	FF	0	496528.4	6921484.3	42.7
18058	GF	0	496525.7	6921471.6	42.1
18058	FF	0	496525.7	6921471.6	42.1
18059	GF	0	496505.8	6921452.7	40.7
18059	FF	0	496505.8	6921452.7	40.7
18060	GF	0	496519.6	6921446.8	40.4
18060	FF	0	496519.6	6921446.8	40.4
18061	GF	0	496530.1	6921443.6	40.1
18061	FF	0	496530.1	6921443.6	40.1
18062	GF	0	496544.2	6921440.1	39.5
18062	FF	0	496544.2	6921440.1	39.5
18063	GF	0	496560.2	6921437.6	39.5
18063	FF	0	496560.2	6921437.6	39.5
18064	GF	0	496554.2	6921460.5	41.2
18064	FF	0	496554.2	6921460.5	41.2
18065	GF	0	496556.5	6921474.5	41.6
18065	FF	0	496556.5	6921474.5	41.6
18066	GF	0	496558.9	6921488.8	42.0
18066	FF	0	496558.9	6921488.8	42.0
18067	GF	0	496561.1	6921502.3	42.3
18067	FF	0	496561.1	6921502.3	42.3
18068	GF	0	496563.0	6921513.4	42.6
18068	FF	0	496563.0	6921513.4	42.6
18069	GF	0	496564.6	6921523.3	42.9
18069	FF	0	496564.6	6921523.3	42.9
18070	GF	0	496566.2	6921533.2	43.1
18070	FF	0	496566.2	6921533.2	43.1
18071	GF	0	496406.0	6921479.2	41.7
18071	FF	0	496406.0	6921479.2	41.7
18072	GF	0	496414.9	6921467.3	41.6
18072	FF	0	496414.9	6921467.3	41.6



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
18073	GF	0	496423.3	6921458.3	41.4
18073	FF	0	496423.3	6921458.3	41.4
18074	GF	0	496432.1	6921449.3	41.3
18074	FF	0	496432.1	6921449.3	41.3
18075	GF	0	496442.4	6921441.0	41.1
18075	FF	0	496442.4	6921441.0	41.1
18076	GF	0	496451.9	6921433.5	41.0
18076	FF	0	496451.9	6921433.5	41.0
18077	GF	0	496460.4	6921427.1	40.9
18077	FF	0	496460.4	6921427.1	40.9
18078	GF	0	496472.7	6921420.6	40.0
18078	FF	0	496472.7	6921420.6	40.0
18079	GF	0	496487.5	6921413.0	39.3
18079	FF	0	496487.5	6921413.0	39.3
18080	GF	0	496500.8	6921407.0	39.0
18080	FF	0	496500.8	6921407.0	39.0
18081	GF	0	496510.4	6921404.1	38.8
18081	FF	0	496510.4	6921404.1	38.8
18082	GF	0	496521.5	6921399.7	38.6
18082	FF	0	496521.5	6921399.7	38.6
18083	GF	0	496535.4	6921396.6	38.2
18083	FF	0	496535.4	6921396.6	38.2
18084	GF	0	496550.0	6921392.1	37.7
18084	FF	0	496550.0	6921392.1	37.7
18085	GF	0	496549.0	6921362.2	36.8
18085	FF	0	496549.0	6921362.2	36.8
18086	GF	0	496537.4	6921364.3	36.8
18086	FF	0	496537.4	6921364.3	36.8
18087	GF	0	496522.4	6921366.4	37.0
18087	FF	0	496522.4	6921366.4	37.0
18088	GF	0	496506.3	6921370.9	37.4
18088	FF	0	496506.3	6921370.9	37.4
18089	GF	0	496494.1	6921374.1	37.7
18089	FF	0	496494.1	6921374.1	37.7
18090	GF	0	496482.4	6921379.3	38.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
18090	FF	0	496482.4	6921379.3	38.0
18091	GF	0	496468.7	6921386.1	38.3
18091	FF	0	496468.7	6921386.1	38.3
18092	GF	0	496455.6	6921393.8	38.6
18092	FF	0	496455.6	6921393.8	38.6
18093	GF	0	496444.4	6921400.4	39.0
18093	FF	0	496444.4	6921400.4	39.0
18094	GF	0	496435.2	6921407.2	39.2
18094	FF	0	496435.2	6921407.2	39.2
18095	GF	0	496425.8	6921413.9	39.4
18095	FF	0	496425.8	6921413.9	39.4
18096	GF	0	496417.7	6921420.2	39.7
18096	FF	0	496417.7	6921420.2	39.7
18097	GF	0	496407.9	6921429.4	39.9
18097	FF	0	496407.9	6921429.4	39.9
18098	GF	0	496396.7	6921440.7	40.1
18098	FF	0	496396.7	6921440.7	40.1
18099	GF	0	496386.6	6921451.6	40.2
18099	FF	0	496386.6	6921451.6	40.2
18100	GF	0	496380.2	6921462.4	40.3
18100	FF	0	496380.2	6921462.4	40.3
19001	GF	2	496745.1	6921609.6	36.5
19001	FF	2	496745.1	6921609.6	36.5
19002	GF	2	496736.3	6921610.9	36.5
19002	FF	2	496736.3	6921610.9	36.5
19003	GF	2	496728.9	6921612.1	36.7
19003	FF	2	496728.9	6921612.1	36.7
19004	GF	2	496721.5	6921613.4	36.9
19004	FF	2	496721.5	6921613.4	36.9
19005	GF	2	496714.1	6921614.6	37.2
19005	FF	2	496714.1	6921614.6	37.2
19006	GF	2	496706.7	6921615.8	37.6
19006	FF	2	496706.7	6921615.8	37.6
19007	GF	2	496697.7	6921616.9	38.1
19007	FF	2	496697.7	6921616.9	38.1



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
19008	GF	0	496653.7	6921539.0	40.0
19008	FF	0	496653.7	6921539.0	40.0
19009	GF	0	496639.4	6921541.5	40.0
19009	FF	0	496639.4	6921541.5	40.0
19010	GF	0	496625.6	6921543.8	40.8
19010	FF	0	496625.6	6921543.8	40.8
19011	GF	0	496610.8	6921545.7	41.8
19011	FF	0	496610.8	6921545.7	41.8
19012	GF	0	496613.2	6921525.8	42.5
19012	FF	0	496613.2	6921525.8	42.5
19013	GF	0	496611.6	6921515.9	42.3
19013	FF	0	496611.6	6921515.9	42.3
19014	GF	0	496609.9	6921506.0	42.1
19014	FF	0	496609.9	6921506.0	42.1
19015	GF	0	496608.0	6921494.2	41.7
19015	FF	0	496608.0	6921494.2	41.7
19016	GF	0	496605.7	6921480.4	41.4
19016	FF	0	496605.7	6921480.4	41.4
19017	GF	0	496603.4	6921466.6	41.0
19017	FF	0	496603.4	6921466.6	41.0
19018	GF	0	496601.4	6921454.7	40.7
19018	FF	0	496601.4	6921454.7	40.7
19019	GF	0	496599.8	6921444.9	40.3
19019	FF	0	496599.8	6921444.9	40.3
19020	GF	0	496597.9	6921433.8	39.8
19020	FF	0	496597.9	6921433.8	39.8
19021	GF	0	496596.1	6921422.7	39.3
19021	FF	0	496596.1	6921422.7	39.3
19022	GF	0	496594.4	6921412.8	38.8
19022	FF	0	496594.4	6921412.8	38.8
19023	GF	0	496592.8	6921402.9	38.3
19023	FF	0	496592.8	6921402.9	38.3
19024	GF	0	496591.1	6921393.1	37.8
19024	FF	0	496591.1	6921393.1	37.8
19025	GF	0	496588.8	6921381.3	37.8



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
19025	FF	0	496588.8	6921381.3	37.8
19026	GF	0	496579.1	6921356.9	35.6
19026	FF	0	496579.1	6921356.9	35.6
19027	GF	0	496594.3	6921357.8	35.3
19027	FF	0	496594.3	6921357.8	35.3
19028	GF	0	496606.8	6921358.7	35.1
19028	FF	0	496606.8	6921358.7	35.1
19029	GF	0	496622.8	6921360.1	35.1
19029	FF	0	496622.8	6921360.1	35.1
19030	GF	0	496618.7	6921384.5	35.7
19030	FF	0	496618.7	6921384.5	35.7
19031	GF	0	496621.2	6921397.2	36.4
19031	FF	0	496621.2	6921397.2	36.4
19032	GF	0	496622.9	6921407.1	36.9
19032	FF	0	496622.9	6921407.1	36.9
19033	GF	0	496624.5	6921417.0	37.3
19033	FF	0	496624.5	6921417.0	37.3
19034	GF	0	496626.4	6921428.1	37.6
19034	FF	0	496626.4	6921428.1	37.6
19035	GF	0	496628.2	6921439.2	38.0
19035	FF	0	496628.2	6921439.2	38.0
19036	GF	0	496629.8	6921449.0	38.2
19036	FF	0	496629.8	6921449.0	38.2
19037	GF	0	496631.8	6921460.9	38.3
19037	FF	0	496631.8	6921460.9	38.3
19038	GF	0	496634.1	6921474.7	38.6
19038	FF	0	496634.1	6921474.7	38.6
19039	GF	0	496636.4	6921488.5	38.9
19039	FF	0	496636.4	6921488.5	38.9
19040	GF	0	496638.4	6921500.3	39.3
19040	FF	0	496638.4	6921500.3	39.3
19041	GF	0	496640.0	6921510.2	39.5
19041	FF	0	496640.0	6921510.2	39.5
19042	GF	0	496641.7	6921520.1	39.8
19042	FF	0	496641.7	6921520.1	39.8



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
19043	GF	0	496702.7	6921587.0	39.7
19043	FF	0	496702.7	6921587.0	39.7
19044	GF	0	496700.9	6921576.7	39.7
19044	FF	0	496700.9	6921576.7	39.7
19045	GF	0	496699.3	6921566.9	39.6
19045	FF	0	496699.3	6921566.9	39.6
19046	GF	0	496697.3	6921555.0	39.5
19046	FF	0	496697.3	6921555.0	39.5
19047	GF	0	496695.0	6921541.2	39.4
19047	FF	0	496695.0	6921541.2	39.4
19048	GF	0	496692.8	6921528.2	39.3
19048	FF	0	496692.8	6921528.2	39.3
19049	GF	0	496690.8	6921515.8	39.3
19049	FF	0	496690.8	6921515.8	39.3
19050	GF	0	496688.9	6921504.7	39.2
19050	FF	0	496688.9	6921504.7	39.2
19051	GF	0	496687.3	6921494.9	39.1
19051	FF	0	496687.3	6921494.9	39.1
19052	GF	0	496685.7	6921485.0	39.0
19052	FF	0	496685.7	6921485.0	39.0
19053	GF	0	496684.0	6921475.1	39.0
19053	FF	0	496684.0	6921475.1	39.0
19054	GF	0	496682.2	6921464.0	38.8
19054	FF	0	496682.2	6921464.0	38.8
19055	GF	0	496680.0	6921451.0	38.6
19055	FF	0	496680.0	6921451.0	38.6
19056	GF	0	496678.0	6921439.1	38.1
19056	FF	0	496678.0	6921439.1	38.1
19057	GF	0	496676.4	6921429.3	38.1
19057	FF	0	496676.4	6921429.3	38.1
19058	GF	0	496674.7	6921419.4	37.5
19058	FF	0	496674.7	6921419.4	37.5
19059	GF	0	496673.1	6921409.5	37.0
19059	FF	0	496673.1	6921409.5	37.0
19060	GF	0	496671.5	6921399.7	36.5



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
19060	FF	0	496671.5	6921399.7	36.5
19061	GF	0	496669.2	6921388.3	35.7
19061	FF	0	496669.2	6921388.3	35.7
19062	GF	0	496657.7	6921364.5	34.5
19062	FF	0	496657.7	6921364.5	34.5
19063	GF	0	496673.1	6921365.8	34.5
19063	FF	0	496673.1	6921365.8	34.5
19064	GF	0	496685.5	6921367.0	34.6
19064	FF	0	496685.5	6921367.0	34.6
19065	GF	0	496701.5	6921368.7	34.7
19065	FF	0	496701.5	6921368.7	34.7
19066	GF	0	496698.6	6921393.7	35.5
19066	FF	0	496698.6	6921393.7	35.5
19067	GF	0	496701.1	6921406.0	35.6
19067	FF	0	496701.1	6921406.0	35.6
19068	GF	0	496702.7	6921415.9	35.7
19068	FF	0	496702.7	6921415.9	35.7
19069	GF	0	496704.3	6921425.8	35.6
19069	FF	0	496704.3	6921425.8	35.6
19070	GF	0	496706.0	6921435.6	35.9
19070	FF	0	496706.0	6921435.6	35.9
19071	GF	0	496708.0	6921447.5	36.0
19071	FF	0	496708.0	6921447.5	36.0
19072	GF	0	496710.1	6921460.5	36.1
19072	FF	0	496710.1	6921460.5	36.1
19073	GF	0	496712.0	6921471.6	36.3
19073	FF	0	496712.0	6921471.6	36.3
19074	GF	0	496713.6	6921481.5	36.4
19074	FF	0	496713.6	6921481.5	36.4
19075	GF	0	496715.3	6921491.4	36.5
19075	FF	0	496715.3	6921491.4	36.5
19076	GF	0	496716.9	6921501.2	36.6
19076	FF	0	496716.9	6921501.2	36.6
19077	GF	0	496718.7	6921512.3	36.7
19077	FF	0	496718.7	6921512.3	36.7



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
19078	GF	0	496720.8	6921524.7	36.8
19078	FF	0	496720.8	6921524.7	36.8
19079	GF	0	496723.0	6921537.7	36.9
19079	FF	0	496723.0	6921537.7	36.9
19080	GF	0	496725.3	6921551.5	36.9
19080	FF	0	496725.3	6921551.5	36.9
19081	GF	0	496727.2	6921563.4	36.9
19081	FF	0	496727.2	6921563.4	36.9
19082	GF	0	496728.9	6921573.2	36.8
19082	FF	0	496728.9	6921573.2	36.8
19083	GF	0	496730.4	6921583.7	36.8
19083	FF	0	496730.4	6921583.7	36.8
110001	GF	1	496437.0	6921654.8	49.8
110001	FF	2	496437.0	6921654.8	49.8
110002	GF	1	496426.7	6921656.3	49.5
110002	FF	2	496426.7	6921656.3	49.5
110003	GF	1	496417.8	6921657.8	49.2
110003	FF	2	496417.8	6921657.8	49.2
110004	GF	1	496408.9	6921659.3	48.9
110004	FF	2	496408.9	6921659.3	48.9
110005	GF	1	496400.1	6921660.7	48.6
110005	FF	2	496400.1	6921660.7	48.6
110006	GF	1	496391.2	6921662.2	48.2
110006	FF	2	496391.2	6921662.2	48.2
110007	GF	1	496380.6	6921664.0	48.0
110007	FF	2	496380.6	6921664.0	48.0
110008	GF	0	496431.7	6921611.6	48.6
110008	FF	0	496431.7	6921611.6	48.6
110009	GF	0	496421.2	6921612.9	48.3
110009	FF	0	496421.2	6921612.9	48.3
110010	GF	0	496412.3	6921614.3	48.0
110010	FF	0	496412.3	6921614.3	48.0
110011	GF	0	496403.4	6921615.8	47.7
110011	FF	0	496403.4	6921615.8	47.7
110012	GF	0	496394.6	6921617.3	47.4



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
110012	FF	0	496394.6	6921617.3	47.4
110013	GF	0	496385.7	6921618.8	47.0
110013	FF	0	496385.7	6921618.8	47.0
110014	GF	0	496375.4	6921620.3	46.7
110014	FF	0	496375.4	6921620.3	46.7
110015	GF	2	496357.1	6921680.6	48.5
110015	FF	2	496357.1	6921680.6	48.5
110016	GF	1	496355.2	6921669.0	48.2
110016	FF	1	496355.2	6921669.0	48.2
110017	GF	1	496353.7	6921660.1	47.9
110017	FF	1	496353.7	6921660.1	47.9
110018	GF	0	496352.2	6921651.2	47.5
110018	FF	1	496352.2	6921651.2	47.5
110019	GF	0	496350.8	6921642.4	47.1
110019	FF	0	496350.8	6921642.4	47.1
110020	GF	0	496349.3	6921633.5	46.6
110020	FF	0	496349.3	6921633.5	46.6
110021	GF	0	496347.8	6921624.6	46.0
110021	FF	0	496347.8	6921624.6	46.0
110022	GF	0	496346.3	6921615.7	45.4
110022	FF	0	496346.3	6921615.7	45.4
110023	GF	0	496344.9	6921606.9	44.8
110023	FF	0	496344.9	6921606.9	44.8
110024	GF	0	496341.4	6921597.8	43.5
110024	FF	0	496341.4	6921597.8	43.5
110025	GF	0	496337.3	6921584.7	42.4
110025	FF	0	496337.3	6921584.7	42.4
110026	GF	0	496329.2	6921573.7	41.1
110026	FF	0	496329.2	6921573.7	41.1
110027	GF	0	496319.5	6921564.2	39.8
110027	FF	0	496319.5	6921564.2	39.8
110028	GF	0	496307.5	6921557.5	38.8
110028	FF	0	496307.5	6921557.5	38.8
110029	GF	0	496419.9	6921567.7	45.3
110029	FF	0	496419.9	6921567.7	45.3



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
110030	GF	0	496408.6	6921569.2	45.1
110030	FF	0	496408.6	6921569.2	45.1
110031	GF	0	496398.8	6921570.9	45.0
110031	FF	0	496398.8	6921570.9	45.0
110032	GF	0	496387.7	6921572.7	44.7
110032	FF	0	496387.7	6921572.7	44.7
110033	GF	0	496374.5	6921574.5	44.2
110033	FF	0	496374.5	6921574.5	44.2
110034	GF	0	496367.9	6921545.6	41.9
110034	FF	0	496367.9	6921545.6	41.9
110035	GF	0	496358.6	6921535.4	40.9
110035	FF	0	496358.6	6921535.4	40.9
110036	GF	0	496337.3	6921529.6	39.5
110036	FF	0	496337.3	6921529.6	39.5
110037	GF	0	496343.4	6921519.6	39.5
110037	FF	0	496343.4	6921519.6	39.5
110038	GF	0	496348.7	6921511.2	39.6
110038	FF	0	496348.7	6921511.2	39.6
110039	GF	0	496354.1	6921502.8	39.7
110039	FF	0	496354.1	6921502.8	39.7
110040	GF	0	496360.8	6921493.6	39.8
110040	FF	0	496360.8	6921493.6	39.8
110041	GF	0	496373.9	6921507.3	40.2
110041	FF	0	496373.9	6921507.3	40.2
110042	GF	0	496384.9	6921516.9	41.0
110042	FF	0	496384.9	6921516.9	41.0
110043	GF	0	496393.4	6921528.6	42.0
110043	FF	0	496393.4	6921528.6	42.0
110044	GF	0	496404.5	6921544.1	43.0
110044	FF	0	496404.5	6921544.1	43.0
111001	GF	1	496204.4	6922123.5	54.3
111001	FF	1	496204.4	6922123.5	54.3
111002	GF	1	496196.1	6922120.4	54.3
111002	FF	1	496196.1	6922120.4	54.3
111003	GF	1	496189.0	6922118.1	54.4



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111003	FF	1	496189.0	6922118.1	54.4
111004	GF	1	496181.9	6922115.8	54.4
111004	FF	1	496181.9	6922115.8	54.4
111005	GF	0	496174.7	6922113.5	54.4
111005	FF	1	496174.7	6922113.5	54.4
111006	GF	0	496167.6	6922111.2	54.5
111006	FF	1	496167.6	6922111.2	54.5
111007	GF	0	496160.5	6922108.9	54.5
111007	FF	1	496160.5	6922108.9	54.5
111008	GF	0	496154.3	6922105.3	54.6
111008	FF	0	496154.3	6922105.3	54.6
111009	GF	0	496163.1	6922070.4	54.6
111009	FF	0	496163.1	6922070.4	54.6
111010	GF	0	496172.1	6922073.0	54.5
111010	FF	0	496172.1	6922073.0	54.5
111011	GF	0	496179.3	6922075.3	54.5
111011	FF	0	496179.3	6922075.3	54.5
111012	GF	0	496186.4	6922077.7	54.4
111012	FF	1	496186.4	6922077.7	54.4
111013	GF	1	496193.5	6922080.0	54.4
111013	FF	1	496193.5	6922080.0	54.4
111014	GF	1	496200.7	6922082.3	54.4
111014	FF	1	496200.7	6922082.3	54.4
111015	GF	1	496209.8	6922085.5	54.3
111015	FF	1	496209.8	6922085.5	54.3
111016	GF	0	496111.8	6922102.4	55.5
111016	FF	0	496111.8	6922102.4	55.5
111017	GF	0	496114.5	6922093.5	55.5
111017	FF	0	496114.5	6922093.5	55.5
111018	GF	0	496116.5	6922086.3	55.4
111018	FF	0	496116.5	6922086.3	55.4
111019	GF	0	496118.4	6922079.1	55.3
111019	FF	0	496118.4	6922079.1	55.3
111020	GF	0	496120.3	6922071.8	55.3
111020	FF	0	496120.3	6922071.8	55.3



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111021	GF	0	496122.0	6922064.5	55.2
111021	FF	0	496122.0	6922064.5	55.2
111022	GF	0	496123.8	6922057.2	55.2
111022	FF	0	496123.8	6922057.2	55.2
111023	GF	0	496126.3	6922049.3	55.1
111023	FF	0	496126.3	6922049.3	55.1
111024	GF	0	496084.1	6922083.3	55.5
111024	FF	0	496084.1	6922083.3	55.5
111025	GF	0	496074.9	6922080.2	55.5
111025	FF	0	496074.9	6922080.2	55.5
111026	GF	0	496067.8	6922077.9	55.6
111026	FF	0	496067.8	6922077.9	55.6
111027	GF	0	496060.7	6922075.6	55.6
111027	FF	0	496060.7	6922075.6	55.6
111028	GF	0	496053.5	6922073.2	55.7
111028	FF	0	496053.5	6922073.2	55.7
111029	GF	0	496046.4	6922070.9	55.8
111029	FF	0	496046.4	6922070.9	55.8
111030	GF	0	496039.3	6922068.6	55.8
111030	FF	0	496039.3	6922068.6	55.8
111031	GF	0	496032.1	6922066.3	55.9
111031	FF	0	496032.1	6922066.3	55.9
111032	GF	0	496022.5	6922063.6	56.0
111032	FF	0	496022.5	6922063.6	56.0
111033	GF	0	495992.8	6922062.8	56.2
111033	FF	0	495992.8	6922062.8	56.2
111034	GF	0	495995.6	6922054.0	56.2
111034	FF	0	495995.6	6922054.0	56.2
111035	GF	0	495998.0	6922046.9	56.1
111035	FF	0	495998.0	6922046.9	56.1
111036	GF	0	496000.3	6922039.7	56.1
111036	FF	0	496000.3	6922039.7	56.1
111037	GF	0	496002.6	6922032.6	56.1
111037	FF	0	496002.6	6922032.6	56.1
111038	GF	0	496004.9	6922025.5	56.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111038	FF	0	496004.9	6922025.5	56.0
111039	GF	0	496007.2	6922018.3	56.0
111039	FF	0	496007.2	6922018.3	56.0
111040	GF	0	496009.2	6922012.2	55.9
111040	FF	0	496009.2	6922012.2	55.9
111041	GF	0	496032.4	6922029.5	56.0
111041	FF	0	496032.4	6922029.5	56.0
111042	GF	0	496041.6	6922032.2	55.9
111042	FF	0	496041.6	6922032.2	55.9
111043	GF	0	496048.7	6922034.5	55.8
111043	FF	0	496048.7	6922034.5	55.8
111044	GF	0	496055.9	6922036.8	55.7
111044	FF	0	496055.9	6922036.8	55.7
111045	GF	0	496063.0	6922039.1	55.7
111045	FF	0	496063.0	6922039.1	55.7
111046	GF	0	496070.1	6922041.5	55.6
111046	FF	0	496070.1	6922041.5	55.6
111047	GF	0	496077.3	6922043.8	55.6
111047	FF	0	496077.3	6922043.8	55.6
111048	GF	0	496084.4	6922046.1	55.5
111048	FF	0	496084.4	6922046.1	55.5
111049	GF	0	496093.6	6922048.8	55.5
111049	FF	0	496093.6	6922048.8	55.5
111050	GF	1	496206.4	6922039.5	54.5
111050	FF	1	496206.4	6922039.5	54.5
111051	GF	1	496206.4	6922026.5	54.4
111051	FF	1	496206.4	6922026.5	54.4
111052	GF	1	496206.2	6922016.1	54.4
111052	FF	1	496206.2	6922016.1	54.4
111053	GF	1	496207.4	6922003.6	54.3
111053	FF	1	496207.4	6922003.6	54.3
111054	GF	1	496206.2	6921989.3	54.2
111054	FF	1	496206.2	6921989.3	54.2
111055	GF	1	496205.8	6921977.3	54.0
111055	FF	1	496205.8	6921977.3	54.0



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111056	GF	1	496204.7	6921965.1	53.6
111056	FF	1	496204.7	6921965.1	53.6
111057	GF	1	496203.2	6921951.6	53.0
111057	FF	1	496203.2	6921951.6	53.0
111058	GF	1	496201.4	6921937.9	52.2
111058	FF	1	496201.4	6921937.9	52.2
111059	GF	1	496199.2	6921924.3	51.3
111059	FF	1	496199.2	6921924.3	51.3
111060	GF	1	496197.3	6921912.5	50.7
111060	FF	1	496197.3	6921912.5	50.7
111061	GF	1	496195.6	6921902.6	50.1
111061	FF	1	496195.6	6921902.6	50.1
111062	GF	1	496193.6	6921890.8	49.3
111062	FF	1	496193.6	6921890.8	49.3
111063	GF	1	496191.7	6921878.9	48.7
111063	FF	1	496191.7	6921878.9	48.7
111064	GF	1	496190.0	6921869.1	48.2
111064	FF	1	496190.0	6921869.1	48.2
111065	GF	1	496188.4	6921859.2	47.8
111065	FF	1	496188.4	6921859.2	47.8
111066	GF	1	496186.7	6921849.3	47.6
111066	FF	1	496186.7	6921849.3	47.6
111067	GF	1	496184.8	6921838.1	47.6
111067	FF	1	496184.8	6921838.1	47.6
111068	GF	0	496156.7	6921843.7	48.0
111068	FF	0	496156.7	6921843.7	48.0
111069	GF	0	496158.1	6921855.4	48.0
111069	FF	0	496158.1	6921855.4	48.0
111070	GF	0	496159.8	6921865.3	48.6
111070	FF	0	496159.8	6921865.3	48.6
111071	GF	0	496161.4	6921875.1	49.2
111071	FF	0	496161.4	6921875.1	49.2
111072	GF	0	496163.1	6921885.0	49.8
111072	FF	0	496163.1	6921885.0	49.8
111073	GF	0	496165.0	6921896.8	50.4



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111073	FF	0	496165.0	6921896.8	50.4
111074	GF	0	496167.0	6921908.7	51.3
111074	FF	0	496167.0	6921908.7	51.3
111075	GF	0	496168.6	6921918.5	51.9
111075	FF	0	496168.6	6921918.5	51.9
111076	GF	0	496170.6	6921930.4	52.4
111076	FF	0	496170.6	6921930.4	52.4
111077	GF	0	496172.8	6921943.3	53.4
111077	FF	0	496172.8	6921943.3	53.4
111078	GF	0	496174.7	6921956.0	53.6
111078	FF	0	496174.7	6921956.0	53.6
111079	GF	0	496176.2	6921968.0	54.0
111079	FF	0	496176.2	6921968.0	54.0
111080	GF	0	496177.0	6921979.4	54.2
111080	FF	0	496177.0	6921979.4	54.2
111081	GF	0	496177.6	6921990.5	54.4
111081	FF	0	496177.6	6921990.5	54.4
111082	GF	0	496177.4	6922003.4	54.5
111082	FF	0	496177.4	6922003.4	54.5
111083	GF	0	496176.9	6922016.2	54.6
111083	FF	0	496176.9	6922016.2	54.6
111084	GF	0	496175.7	6922030.8	54.6
111084	FF	0	496175.7	6922030.8	54.6
111085	GF	0	496136.3	6921965.9	53.0
111085	FF	0	496136.3	6921965.9	53.0
111086	GF	0	496123.9	6921968.1	53.2
111086	FF	0	496123.9	6921968.1	53.2
111087	GF	0	496112.8	6921970.0	53.3
111087	FF	0	496112.8	6921970.0	53.3
111088	GF	0	496102.9	6921971.6	53.4
111088	FF	0	496102.9	6921971.6	53.4
111089	GF	0	496091.1	6921973.6	53.6
111089	FF	0	496091.1	6921973.6	53.6
111090	GF	0	496076.3	6921975.6	53.9
111090	FF	0	496076.3	6921975.6	53.9



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111091	GF	0	496071.4	6921945.7	53.4
111091	FF	0	496071.4	6921945.7	53.4
111092	GF	0	496085.7	6921943.2	52.6
111092	FF	0	496085.7	6921943.2	52.6
111093	GF	0	496097.5	6921941.2	52.1
111093	FF	0	496097.5	6921941.2	52.1
111094	GF	0	496107.4	6921939.6	51.8
111094	FF	0	496107.4	6921939.6	51.8
111095	GF	0	496118.5	6921937.7	51.7
111095	FF	0	496118.5	6921937.7	51.7
111096	GF	0	496131.8	6921936.0	51.7
111096	FF	0	496131.8	6921936.0	51.7
111097	GF	0	496123.7	6921887.9	49.7
111097	FF	0	496123.7	6921887.9	49.7
111098	GF	0	496112.1	6921889.9	49.8
111098	FF	0	496112.1	6921889.9	49.8
111099	GF	0	496102.2	6921891.5	50.0
111099	FF	0	496102.2	6921891.5	50.0
111100	GF	0	496091.1	6921893.4	50.6
111100	FF	0	496091.1	6921893.4	50.6
111101	GF	0	496070.5	6921902.4	51.7
111101	FF	0	496070.5	6921902.4	51.7
111102	GF	0	496068.4	6921890.1	50.9
111102	FF	0	496068.4	6921890.1	50.9
111103	GF	0	496066.5	6921877.4	49.9
111103	FF	0	496066.5	6921877.4	49.9
111104	GF	0	496090.3	6921866.7	47.8
111104	FF	0	496090.3	6921866.7	47.8
111105	GF	0	496105.5	6921859.4	47.3
111105	FF	0	496105.5	6921859.4	47.3
111106	GF	0	496118.7	6921857.8	47.3
111106	FF	0	496118.7	6921857.8	47.3
111107	GF	0	496037.0	6921984.4	56.3
111107	FF	0	496037.0	6921984.4	56.3
111108	GF	0	496034.9	6921972.1	56.3



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111108	FF	0	496034.9	6921972.1	56.3
111109	GF	0	496033.6	6921964.7	56.2
111109	FF	0	496033.6	6921964.7	56.2
111110	GF	0	496032.4	6921957.3	56.1
111110	FF	0	496032.4	6921957.3	56.1
111111	GF	0	496031.2	6921949.9	55.8
111111	FF	0	496031.2	6921949.9	55.8
111112	GF	0	496030.0	6921942.5	55.5
111112	FF	0	496030.0	6921942.5	55.5
111113	GF	0	496028.6	6921936.4	55.1
111113	FF	0	496028.6	6921936.4	55.1
111114	GF	0	496025.8	6921917.6	53.9
111114	FF	0	496025.8	6921917.6	53.9
111115	GF	0	496024.5	6921909.5	53.3
111115	FF	0	496024.5	6921909.5	53.3
111116	GF	0	496023.2	6921902.1	52.7
111116	FF	0	496023.2	6921902.1	52.7
111117	GF	0	496021.9	6921893.9	52.1
111117	FF	0	496021.9	6921893.9	52.1
111118	GF	0	496020.4	6921885.1	51.4
111118	FF	0	496020.4	6921885.1	51.4
111119	GF	0	496019.0	6921876.9	50.8
111119	FF	0	496019.0	6921876.9	50.8
111120	GF	0	496017.8	6921869.5	50.5
111120	FF	0	496017.8	6921869.5	50.5
111121	GF	0	496016.0	6921858.1	49.6
111121	FF	0	496016.0	6921858.1	49.6
111122	GF	0	495996.6	6921973.1	56.2
111122	FF	0	495996.6	6921973.1	56.2
111123	GF	0	495994.8	6921964.0	56.1
111123	FF	0	495994.8	6921964.0	56.1
111124	GF	0	495993.6	6921956.6	56.1
111124	FF	0	495993.6	6921956.6	56.1
111125	GF	0	495992.3	6921949.2	55.5
111125	FF	0	495992.3	6921949.2	55.5



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111126	GF	0	495991.0	6921941.1	55.1
111126	FF	0	495991.0	6921941.1	55.1
111127	GF	0	495988.2	6921924.3	53.9
111127	FF	0	495988.2	6921924.3	53.9
111128	GF	0	495986.8	6921916.1	53.3
111128	FF	0	495986.8	6921916.1	53.3
111129	GF	0	495985.6	6921908.7	52.7
111129	FF	0	495985.6	6921908.7	52.7
111130	GF	0	495984.4	6921901.3	52.2
111130	FF	0	495984.4	6921901.3	52.2
111131	GF	0	495984.3	6921892.5	51.0
111131	FF	0	495984.3	6921892.5	51.0
111132	GF	0	496052.2	6921840.3	48.5
111132	FF	0	496052.2	6921840.3	48.5
111133	GF	0	496060.4	6921835.4	48.2
111133	FF	0	496060.4	6921835.4	48.2
111134	GF	0	496066.8	6921831.5	47.8
111134	FF	0	496066.8	6921831.5	47.8
111135	GF	0	496073.2	6921827.6	47.4
111135	FF	0	496073.2	6921827.6	47.4
111136	GF	0	496079.6	6921823.7	47.0
111136	FF	0	496079.6	6921823.7	47.0
111137	GF	0	496086.4	6921818.4	46.5
111137	FF	0	496086.4	6921818.4	46.5
111138	GF	0	496096.8	6921813.1	45.5
111138	FF	0	496096.8	6921813.1	45.5
111139	GF	0	496104.1	6921812.5	45.1
111139	FF	0	496104.1	6921812.5	45.1
111140	GF	0	496111.8	6921811.4	45.1
111140	FF	0	496111.8	6921811.4	45.1
111141	GF	0	496139.4	6921806.8	44.6
111141	FF	0	496139.4	6921806.8	44.6
111142	GF	0	496147.9	6921805.8	44.6
111142	FF	0	496147.9	6921805.8	44.6
111143	GF	0	496155.3	6921804.6	44.7



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111143	FF	0	496155.3	6921804.6	44.7
111144	GF	0	496162.7	6921803.3	44.8
111144	FF	0	496162.7	6921803.3	44.8
111145	GF	0	496170.1	6921802.1	44.9
111145	FF	0	496170.1	6921802.1	44.9
111146	GF	0	496177.5	6921800.9	45.0
111146	FF	1	496177.5	6921800.9	45.0
111147	GF	1	496184.9	6921799.6	45.1
111147	FF	1	496184.9	6921799.6	45.1
111148	GF	1	496192.1	6921798.3	45.2
111148	FF	1	496192.1	6921798.3	45.2
111149	GF	1	496184.7	6921763.9	44.6
111149	FF	1	496184.7	6921763.9	44.6
111150	GF	1	496176.4	6921765.0	44.5
111150	FF	1	496176.4	6921765.0	44.5
111151	GF	1	496169.0	6921766.2	44.4
111151	FF	1	496169.0	6921766.2	44.4
111152	GF	1	496161.6	6921767.5	44.3
111152	FF	1	496161.6	6921767.5	44.3
111153	GF	1	496154.2	6921768.7	44.2
111153	FF	1	496154.2	6921768.7	44.2
111154	GF	1	496146.8	6921769.9	44.1
111154	FF	1	496146.8	6921769.9	44.1
111155	GF	1	496139.4	6921771.1	44.0
111155	FF	1	496139.4	6921771.1	44.0
111156	GF	0	496131.3	6921772.4	44.0
111156	FF	1	496131.3	6921772.4	44.0
111157	GF	0	496111.2	6921774.6	44.2
111157	FF	1	496111.2	6921774.6	44.2
111158	GF	0	496102.4	6921776.1	44.6
111158	FF	1	496102.4	6921776.1	44.6
111159	GF	0	496095.0	6921777.3	45.0
111159	FF	0	496095.0	6921777.3	45.0
111160	GF	0	496086.3	6921778.8	45.4
111160	FF	0	496086.3	6921778.8	45.4



Lot	Floor	QDC MP4.4 Noise Category	Approximate Ground Elevation at Centre of Lot, m		
			Easting	Northing	Elevation
111161	GF	0	496074.9	6921781.5	45.1
111161	FF	0	496074.9	6921781.5	45.1
111162	GF	0	496063.2	6921786.7	45.4
111162	FF	0	496063.2	6921786.7	45.4
111163	GF	0	496056.5	6921789.9	45.8
111163	FF	0	496056.5	6921789.9	45.8
111164	GF	0	496049.9	6921793.3	46.2
111164	FF	0	496049.9	6921793.3	46.2
111165	GF	0	496043.4	6921796.8	46.6
111165	FF	0	496043.4	6921796.8	46.6
111166	GF	0	496036.9	6921800.5	46.9
111166	FF	0	496036.9	6921800.5	46.9
111167	GF	0	496030.5	6921804.5	47.3
111167	FF	0	496030.5	6921804.5	47.3
111168	GF	0	496015.9	6921812.6	47.9
111168	FF	0	496015.9	6921812.6	47.9
111169	GF	0	496010.1	6921816.9	48.2
111169	FF	0	496010.1	6921816.9	48.2
111170	GF	0	496001.8	6921823.9	48.4
111170	FF	0	496001.8	6921823.9	48.4
111171	GF	0	495994.2	6921832.6	48.7
111171	FF	0	495994.2	6921832.6	48.7
111172	GF	0	495988.3	6921840.0	49.0
111172	FF	0	495988.3	6921840.0	49.0
111173	GF	0	495983.7	6921845.9	49.3
111173	FF	0	495983.7	6921845.9	49.3
111174	GF	0	495978.9	6921851.8	49.5
111174	FF	0	495978.9	6921851.8	49.5
111175	GF	0	495974.1	6921857.6	49.8
111175	FF	0	495974.1	6921857.6	49.8
111176	GF	0	495969.8	6921864.3	50.2
111176	FF	0	495969.8	6921864.3	50.2





Appendix D Glossary of Terms

Riverbend Precinct 1

Road Traffic Noise Intrusion Assessment

Celestino Developments Pty Ltd

SLR Project No.: 620.041596.00003

12 March 2026

Sound Level (or Noise Level)

The terms sound and noise are almost interchangeable, except that in common usage noise is often used to refer to unwanted sound.

Sound (or noise) consists of minute fluctuations in atmospheric pressure capable of evoking the sense of hearing. The human ear (and those of other species) responds to changes in sound pressure over a very wide range. The loudest sound pressure to which the human ear responds is ten million times greater than the softest. The decibel (dB or dBL) scale reduces this ratio to a more manageable size by the use of logarithms.

A-weighted Sound Pressure Level

The overall level of a sound is usually expressed in terms of dBA, which is measured using a sound level meter with an 'A-weighting' filter. This is an electronic filter having a frequency response corresponding approximately to human hearing.

Change in Sound Pressure Levels

For human perception, a change of 1 dBA or 2 dBA in the level of a sound is considered to be indiscernible, while a 3 dBA to 5 dBA change corresponds to a small but noticeable change in loudness. A 10 dBA change corresponds to an approximate doubling or halving in loudness. As noted in Section 2.4 of the TMR CoP Vol 1, while the above noted changes in sound pressure level are *not precisely verifiable for road traffic noise, it is useful in understanding the significance of change in environmental noise exposure.*

Additional facts about road traffic noise as stated in Section 2.4 of the TMR CoP Vol 1:

- A 3 dBA change in noise level is equivalent to halving or doubling the traffic volumes.
- A 10 dBA change in noise level is equivalent to halving or doubling the subjective or perceived loudness or a tenfold increase or decrease in traffic volume.
- A 10 km/h increase in speed will increase the noise level by approximately 1 dBA.
- A 3.5% compound annual growth rate in traffic will increase the noise level by approximately 1.5 dBA over a 10-year horizon.
- An 8% compound annual growth rate in traffic will increase the noise level by approximately 3.0 dBA over a 10-year horizon.

Typical Sound Pressure Levels

The table below lists examples of typical sound pressure levels.

Table D-1 Examples of Perceived Sound Pressure Levels

Sound pressure level (dBA)	Typical Example
130	Threshold of pain
120	Metal hammering
110	Grinding on steel
100	Loud car horn at 3 metres (m)
90	Dog bark at 1 m
80	Cicadas at 1 m
70	Noise level directly adjacent to a busy main road
60	Ambient noise level in urban area close to main roads



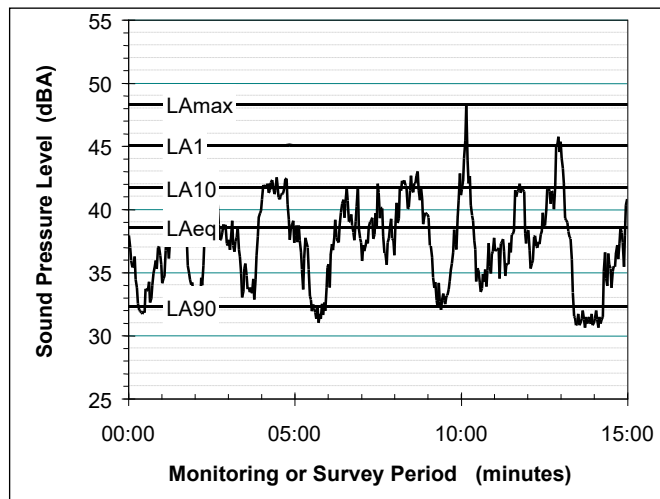
Sound pressure level (dBA)	Typical Example
50	Day time in a quiet suburban environment with background or distant road traffic noise
40	Night-time in a quiet suburban environment with background or distant road traffic noise Ambient noise level in rural to semi-rural environments with light breezes and some noise from insects, birds and distant traffic
30	Ambient noise level in a typical rural noise environment in the absence of insect noise and wind. Inside bedroom
20	Ambient noise level in remote rural environment away from main roads with no wind and no insect noise

Statistical Noise Levels

Sounds that vary in level over time, such as road traffic noise and most community noise, are commonly described in terms of the statistical exceedance levels (LAN), where LAN is the A-weighted sound pressure level exceeded for N% of a given measurement period. For example, the LA1 is the noise level exceeded for 1% of the time and LA10 the noise exceeded for 10% of the time.

Figure D-1 below presents a hypothetical 15-minute noise measurement, illustrating various common statistical indices of interest.

Figure D-1 Hypothetical 15-minute Noise Measurement



Of particular relevance to this study, are:

- LA10: The A-weighted noise level exceeded for 10% during any given measurement period. This is commonly referred to as the average maximum noise level.

Additionally;

- LA10(18hour) Road Traffic Noise Level: the level exceeded for 10% of any measurement period; the usual period of measurement is 1 hour. The hourly LA10 level, therefore, is the traffic noise level exceeded for 6 minutes in the hour. The 18-hour LA10 level



(LA_{10(18hour)}) is the arithmetic average of 18, hourly LA₁₀ traffic noise levels measured in consecutive hours between 6:00 am and 12:00 midnight.

- LA_{10(12hour)} Road Traffic Noise Level – is the arithmetic average of 12 hourly LA₁₀ traffic noise levels measured in consecutive hours between 6:00 am and 6:00 pm.
- LA_{1(1hour)} Road Traffic Noise Level – the level exceeded for n% of a 1-hour period.

Noise Propagation

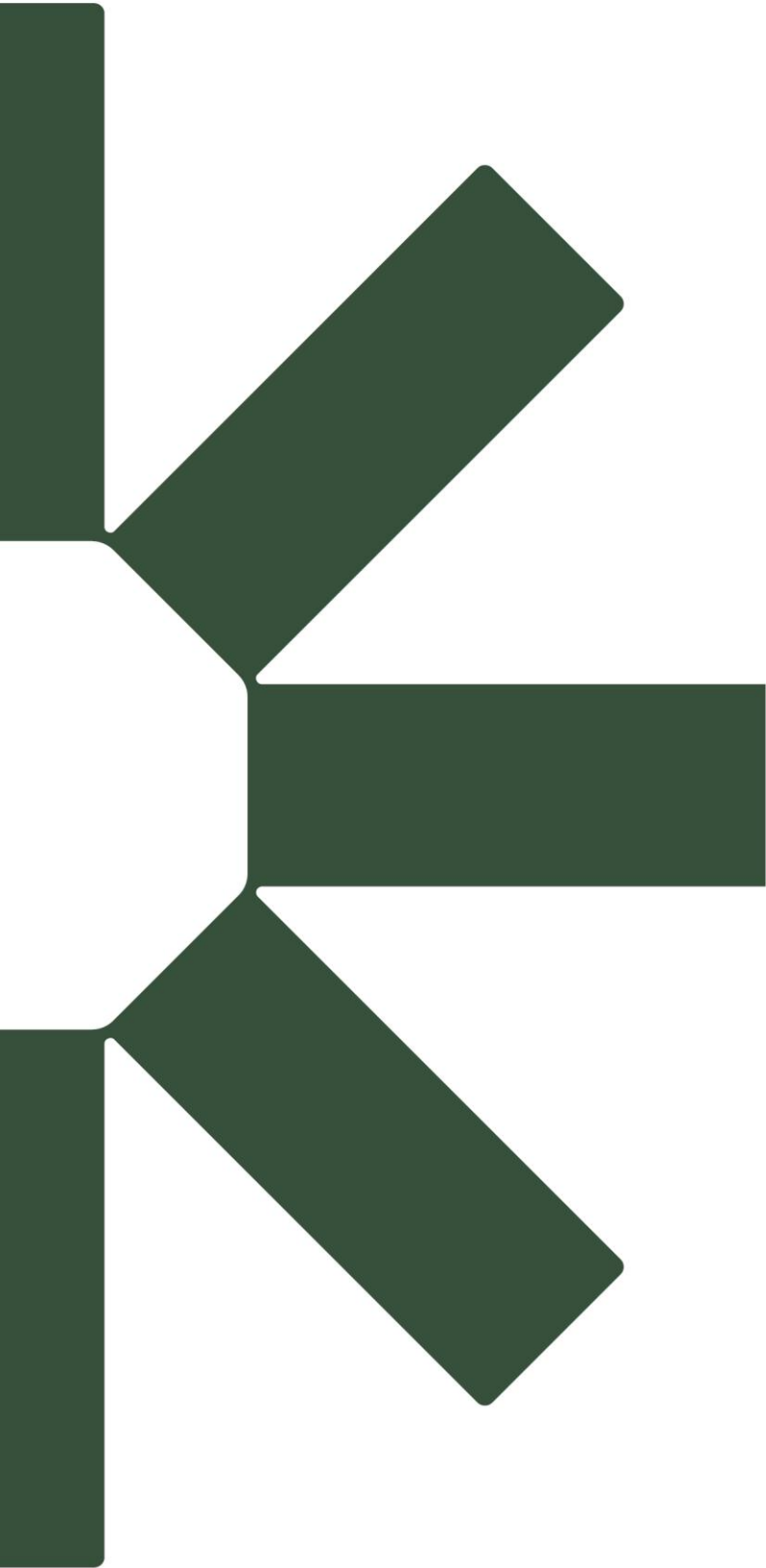
Provided the receptor is in the far-field of the noise source, noise levels will reduce as a receptor moves further away from the source. This is due to spreading of the noise source energy over distance. For a simple point source (for example, a motor) the theoretical reduction in noise levels is 6 dBA per doubling of distance. For a line source (for example, a busy road) the theoretical reduction is 3 dBA per doubling of distance. In reality however other factors affect noise propagation. These include ground absorption, air absorption, acoustic screening, and meteorological effects.

Facade Corrected versus Free field

A 'facade corrected' measurement/monitoring location is a location which is influenced by facade reflections. Measurements at facades are typically taken at a distance of 1 m away and the measured noise level generally regarded as being +2.5 dB higher than in the 'free field'.

A 'free field' measurement/monitoring location is a location where the microphone is positioned sufficiently far from nearby surfaces for the measured data to not be influenced by reflected noise. This is typically regarded as a position 3.5 m or greater from a reflective surface.





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