

MEMORA	MEMORANDUM				
ТО	City of Rockingham				
FROM	Eva Cronin and Maitland Ely (Eco Logical Bushfire Planning & Design Accredited Practitioner Level 2	Australia) on behalf of Fra	asers Property Australia		
DATE	13/09/2023	PURPOSE	For Information		
SUBJECT	Bushfire Management Plan Compliance Report: Stage 12B Baldivis Parks, Baldivis				

Document purpose

Eco Logical Australia (ELA) has prepared this Bushfire Management Plan (BMP) compliance report for 36 lots within Stage 12B Baldivis Parks, Baldivis (the subject site; Figure 1). Lots within the subject site are subject to Western Australian Planning Commission (WAPC) subdivision approval WAPC Ref. 156812.

This report provides a post-subdivisional works compliance assessment of bushfire management measures required to clear Condition 14 and 15 of subdivision approval as follows:

14. Information is to be provided to demonstrate that the measures contained in Section 6 – Table 3 of the Baldivis Parks Estate, Baldivis – Structure Plan Revised Bushfire Management Plan date, July 2017 (Doc No.: EP16-004(02)--)44) have been implemented during subdivisional works. This information should include a completed 'Certification by Bushfire Consultant' from the bushfire management plan. (Local Government)

15. Notification, pursuant to Section 165 of the Planning and Development Act 2005 is to be placed on the certificate(s) of title of the proposed lot(s) with a Bushfire Attack Level (BAL) rating of 12.5 or above, advising of the existence of a hazard or other factor.

Notice of this notification is to be included on the diagram or plan of survey (deposited plan).

The notification is to state as follows:

'This land is within a bushfire prone area as designed by an Order made by the Fire and Emergency Services Commissioner and is subject to a Bushfire Management Plan. Additional planning and building requirements may apply to development on this land' (Western Australian Planning Commission)

The approach for preparation of this BMP compliance report is consistent with Section 4.2 of the Guidelines for Planning in Bushfire Prone Areas (the Guidelines; WAPC 2017).

Compliance assessment

The endorsed BMP (Emerge 2017) included 21 bushfire management strategies that are required to ensure the proposed development will comply with the bushfire protection criteria in the Guidelines as detailed in the endorsed BMP (Emerge 2017). Thirteen of these strategies are not relevant to progress subdivision clearance and have been excluded from this report.

ELA has undertaken a bushfire risk assessment and compliance assessment to determine if the relevant bushfire management measures documented in the endorsed BMP have been undertaken (Table 1).

Based on our assessment, ELA can confirm that for Stage 12B Baldivis Parks subdivision, the relevant bushfire management measures detailed in the endorsed BMP (where applicable) have either been implemented as intended to a satisfactory level, are no longer applicable or have been progressed to a point that these measures are likely to be compliant, once completed.

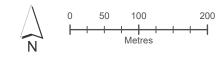






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- 100m site assessment
- 150m site assessment
- Photo location



Datum/Projection: GDA 1994 MGA Zone 50 22PER2999-SM Date: 12/09/2023



BMP reference	Action	Implementation status	Compliance assessment
Bushfire Management Measure No 1 - Table 3 ¹	Undertake further detailed bushfire assessments to determine ultimate BAL ratings for future lots within the site, with assessment recommendations to be submitted to the City of Rockingham and accommodated in the lot clearances an/or Local Development Plan.	An updated BAL assessment and BAL report has been completed.	Compliant The updated BAL assessment can be seen in Appendix A. Future dwellings on all proposed lots can be located in areas subject to BAL ratings of ≤BAL-19 (with instalment of individual lot setbacks). Refer to Plate 1, Plate 2, Plate 3 and Plate 4 for evidence of internal and external clearing. Evidence of some remnant vegetation within 100 m of the subject site and external management of vegetation to low threat status can be seen in Plate 5, Plate 6, Plate 7, Plate 8, Plate 9, Plate 10 and Plate 11 (Appendix B).
Bushfire Management Measure No 2 - Table 3	For each new lot created within areas exposed to a BAL rating exceeding BAL- LOW, lodge a Section 70A Notification on the Certificate of Title in order to alert purchasers and successors in title of the existence of the overarching BMP and specifically the requirements associated with meeting AS 3959 construction standards.	Section reference has been amended due to legislative amendment, Sections 70A is now Section 165. Notification will be placed on all titles for lots with a rating of BAL-12.5 or greater in accordance with Condition 15 of subdivision approval. Notice of this notification shown on Deposited Plan.	Compliant The updated BAL assessment can be seen in Appendix A. Refer to Appendix C and Appendix D for a copy of the Deposited Plans.
Bushfire Management Measure No 3 – Table 3	Install the public roads to standards outlined in Section 5.1.3 ² and ensure two access ways (either formal road or temporary emergency access) are provided at all times for each subdivision stage.	All public roads within the subject site are being constructed in accordance with the approved Roadworks Layout Plan which will meet the technical requirements of the Guidelines (as stated in the endorsed BMP (Emerge 2017). Four access points to Stage 12B Baldivis Parks are currently being established.	Will be Compliant Refer to Plate 1 in Appendix B that shows roads within the subdivision are being constructed. Access/egress connection to external road network is currently being installed (Plate 2). All public roads within the subject site are being constructed in accordance with the approved Roadworks Layout Plan in Appendix E and will be compliant.
Bushfire Management Measure No 4 – Table 3	On all vacant land, comply with the City of	Development is under construction within the subject site. This site has	Compliant Refer to Plate 1, Plate 2 and Plate 3 in Appendix B for

Table 1: Bushfire compliance assessment against Bushfire Management Plan Emerge (2017)

BMP reference	Action	Implementation status	Compliance assessment
	Rockingham Fire Control Notices as published.	been cleared and will managed and/or maintained to low threat status as per clause 2.2.3.2 (f).	 evidence of internal site clearing. Post-development, all internals to the site will be managed/maintained to either non-vegetated state or low threat status as per clause 2.2.3.2 (f). Assessment of compliance with the City of Rockingham (CoR) Fire Control notice is the responsibly of the CoR.
Bushfire Management Measure No 5 – Table 3	Install reticulated water supply and hydrants to Water Corporation, DFES and the City of Rockingham standards.	Water supply not fully constructed at the time of assessment. Installation of reticulated water supply and network hydrants is underway as per the Water Reticulation Plan.	Will be Compliant Water supply not fully constructed yet, however, if constructed in accordance with Water Reticulation Plan in Appendix F, this will be likely compliant.
Bushfire Management Measure No 6 – Table 3	Design and landscape all managed public open space areas to create a low threat environment in accordance with Clause 2.2.3.2 of AS 3959.	No POS areas proposed within the subject site. External POS areas within 100 m of the subject site are currently maintained to a low threat state.	Compliant All POS areas within 100 m of the subject site have been maintained to a low threat state as per exclusion clause 2.2.3.2 of AS 3959: 2018. Refer to Plate 7, Plate 8, Plate 9, Plate 10 and Plate 11 in Appendix B for evidence of areas within the POS managed to a low threat state as per exclusion clause 2.2.3.2 of AS 3959: 2018.
Bushfire Management Measure No 7 – Table 3	Establish and maintain the APZs ³ within the site to standards as specified in this document.	All areas within the subject site have been cleared and will remain managed to a low threat status as per clause 2.2.3.2 (f) of AS 3959: 2018. APZ within the road reserve inside of the site adjacent to the Baldivis Tramway will be managed to APZ standards as per Section 5.1.2.5 ⁴ and Figure 12 ⁵ .	Compliant All proposed areas within 100 m of the subject site excluding the Baldivis Tramway have been cleared or are maintained to a low threat state as per 2.2.3.2 (f) of AS 3959: 2018. Refer to Plate 1 and Plate 3 in Appendix B for evidence of internal site clearing. APZ over the road reserve that separates lots from Baldivis Tramway has been cleared at the time of the assessment. ELA do not have details of

proposed landscaping to

3MP reference	Action	Implementation status	Compliance assessment
			streetscape in this area, however, if landscaping in this road reserve is installed in accordance with APZ standard (as referenced in BMP) this wil likely be compliant.
			The APZ installation is currentl underway, except the proposed road reserve is 13 m not the original 14 m shown BMP, however the updated BAL report states all lots achieve acceptable BAL rating.
Bushfire Management	Manage fuel loads within	All areas within the subject	Compliant
Measure No 8 – Table 3	100 m of each internal construction stage within the overall site to ensure temporary hazards do not threaten any subdivision stage.	site and within 100 m of the site, excluding the Baldivis Tramway have been cleared or maintained to a low threat state as per 2.2.3.2 (f) of AS 3959: 2018.	All proposed areas within 100 m of the subject site excluding the Baldivis Tramwa have been cleared or are maintained to a low threat state as per 2.2.3.2 (f) of AS 3959: 2018. Refer to Plate and Plate 3 in Appendix B for evidence of internal site clearing. External site management can be seen in Plate 4, Plate 7, Plate 8, Plate 9, Plate 10 and Plate 11. Refer to Bushfire Management
			Measure No 6 for details regarding management of vegetation within POS areas. Remnant vegetation outside o the subject site within 100 m and a part of the Baldivis Tramway can be seen in Plate

3. ASSET PROTECTION ZONES

5. SECTION 5.1.2.5 OF THE ENDORSED BUSHFIRE MANAGEMENT PLAN (EMERGE 2017) 4. FIGURE 12 OF THE ENDORSED BUSHFIRE MANAGEMENT PLAN (EMERGE 2017)

References

City of Rockingham (CoR). 2023. Fire Control Notice 2023-2024. Available from: <u>Fire Control Notice</u> 2023/2024 (rockingham.wa.gov.au)

Department of Planning (DoP), 2016, *Visual guide for bushfire risk assessment in Western Australia*. DoP, Perth.

Emerge, 2017, Bushfire Management Plan – Baldivis parks Estate, Baldivis – Structure Plan Revision, July 2017.

Standards Australia, 2018, Construction of buildings in bushfire-prone areas, AS 3959: 2018. SAI Global, Sydney.

Water Corporation, 2021, Water Reticulation Standard Design and Construction Requirements for Water Reticulation Systems up to DN250, Design Standard DS 63 (Version 3, Revision 15). Water Corporation, Western Australia.

Western Australian Planning Commission, 2015, *State Planning Policy 3.7 Planning in Bushfire Prone Areas*. WAPC, Perth.

Western Australian Planning Commission, 2021, *Guidelines for Planning in Bushfire Prone Areas Version 1.4 (including appendices),* WAPC, Perth.

Western Australian Planning Commission, 2017, *Guidelines for Planning in Bushfire Prone Areas Version 1.3 (including appendices),* WAPC, Perth.

Appendix A Bushfire Attack Level (BAL) Assessment Report



Bushfire Attack Level (BAL) Assessment Report for Stage 12B (Lots 1201-1204 Paparone Road, Lots 1205-1209 and 1222-1223 Karst Road, Lots 1210-1221 and 1224-1236 Barool Street) Baldivis Parks, Baldivis

Site Details					
Address: Stage 12B (Lots 1201-1204 Paparone Road, Lots 1205-1209 and 1222-1223 Karst Road, Lots 1210-1221 and 1224 1236 Barool Street) Baldivis Parks, Baldivis					
Suburb:	Baldivis, 6171	State	Western Australia		
Local Government Area:	City of Rockingham				
Description of building works:	Residential development (36 lots)				

Report details			
Report/Job number:	22PER2999	Report version:	v3
Assessment date:	18/07/2023	Report date:	13/09/2023
Author:	Maitland Ely	Review:	Eva Cronin (BPAD Level 2 – 45482)
			BPAD Bushfire Planning & Design Accredited Practitioner Level 2

SITE ASSESSMENT AND SITE PLAN

The assessment of the 36 subject lots was undertaken on 18 July 2023 for the purpose of determining the Bushfire Attack Level (BAL) in accordance with *Australian Standard AS 3959: 2018 Construction of Buildings in Bushfire Prone Areas* (SA 2018) Simplified Procedure (Method 1). An overview of the site is presented in Figure 1.

VEGETATION CLASSIFICATION

All vegetation within 100 m of the 36 subject lots was classified in accordance with Clause 2.2.3 of AS 3959: 2018. Each distinguishable vegetation class with the potential to determine the BAL is identified below and presented in Figure 1.

Plot 1 Classification or Exclusion Clause

Class B Woodland

Photo Point 1

This plot relates to the Baldivis Tramway.

Classified vegetation within this plot is comprised of trees 10 m to 30 m tall with varying foliage cover. Understory is comprised of short grasses with isolated juvenile trees.

Vegetation within the Baldivis Tramway has historically been classified as Class B Woodland under AS 3959-2009. Subsequent consultation with the City of Rockingham in 2023 identified that no revegetation involving tree planting is planned with the Tramway (Appendix B). Thus, the Class B Woodland classification is still deemed appropriate for this area, particularly given the narrow, linear nature of the Tramway containing paths, areas of low fuel etc.

Slope under this vegetation was assessed as upslope/flat land.

Plot 1 Classification or Exclusion Clause

Photo Point 2

This plot relates to the Baldivis Tramway.

Classified vegetation within this plot is comprised of trees 10 m to 30 m tall with varying foliage cover. Understory is comprised of short grasses with isolated juvenile trees.

Vegetation within the Baldivis Tramway has historically been classified as Class B Woodland under AS 3959-2009. Subsequent consultation with the City of Rockingham in 2023 identified that no revegetation involving tree planting is planned with the Tramway (Appendix B). Thus, the Class B Woodland classification is still deemed appropriate for this area, particularly given the narrow, linear nature of the Tramway containing paths, areas of low fuel etc.

Slope under this vegetation was assessed as upslope/flat land.

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Slope under this vegetation was assessed as upslope/flat land.



Class B Woodland



Class B Woodland



Plot 1 Classification or Exclusion Clause

Class B Woodland

Photo Point 4

This plot relates to the Baldivis Tramway.

Classified vegetation within this plot is comprised of trees 10 m to 30 m tall with varying foliage cover. Understory is comprised of short grasses with isolated juvenile trees.

Vegetation within the Baldivis Tramway has historically been classified as Class B Woodland under AS 3959-2009. Subsequent consultation with the City of Rockingham in 2023 identified that no revegetation involving tree planting is planned with the Tramway (Appendix B). Thus, the Class B Woodland classification is still deemed appropriate for this area, particularly given the narrow, linear nature of the Tramway containing paths, areas of low fuel etc.

Slope under this vegetation was assessed as upslope/flat land.

Plot 1 Classification or Exclusion Clause

Photo Point 5

This plot relates to the Baldivis Tramway.

Classified vegetation within this plot is comprised of trees 10 m to 30 m tall with varying foliage cover. Understory is comprised of short grasses with isolated juvenile trees.

Vegetation within the Baldivis Tramway has historically been classified as Class B Woodland under AS 3959-2009. Subsequent consultation with the City of Rockingham in 2023 identified that no revegetation involving tree planting is planned with the Tramway (Appendix B). Thus, the Class B Woodland classification is still deemed appropriate for this area, particularly given the narrow, linear nature of the Tramway containing paths, areas of low fuel etc.

Slope under this vegetation was assessed as upslope/flat land.

Plot 1 Classification or Exclusion Clause

Photo Point 6

This plot relates to the Baldivis Tramway.

Classified vegetation within this plot is comprised of trees 10 m to 30 m tall with varying foliage cover. Understory is comprised of short grasses with isolated juvenile trees.

Vegetation within the Baldivis Tramway has historically been classified as Class B Woodland under AS 3959-2009. Subsequent consultation with the City of Rockingham in 2023 identified that no revegetation involving tree planting is planned with the Tramway (Appendix B). Thus, the Class B Woodland classification is still deemed appropriate for this area, particularly given the narrow, linear nature of the Tramway containing paths, areas of low fuel etc.

Slope under this vegetation was assessed as upslope/flat land.



Class B Woodland



Class B Woodland

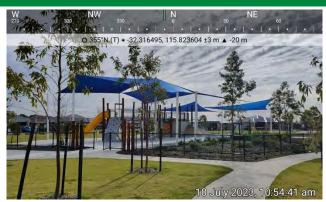


Plot 2 Classification or Exclusion Clause

Photo Point 7

This area has been excluded under 2.2.3.2 (e) and (f) of AS 3959: 2018. The area comprises of non-vegetated areas such as footpaths and a playground as well as low threat vegetation (managed parkland and landscaping).

Excluded AS 3959: 2018 2.2.3.2 (e) & (f)



Plot 2 Classification or Exclusion Clause

Photo Point 8

Vegetation present is regarded as low threat due to factor such as flammability, moisture content or fuel load (managed grass – sporting oval).

Excluded AS 3959: 2018 2.2.3.2 (f)



Plot 2 Classification or Exclusion Clause

Excluded AS 3959: 2018 2.2.3.2 (f)

Photo Point 9

Vegetation present is regarded as low threat due to factors such as flammability, moisture content or fuel load (managed landscaping).



Plot 2 Classification or Exclusion Clause

Photo Point 10

Non-vegetated area that has been excluded under 2.2.3.2 (e) of AS 3959: 2018. The area comprises of cleared areas for future residential development.

Excluded AS 3959: 2018 2.2.3.2 (e)

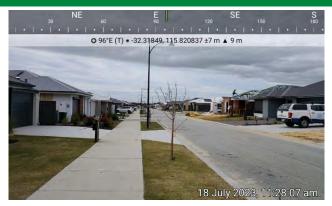


Plot 2 Classification or Exclusion Clause

Photo Point 11

This area has been excluded under 2.2.3.2 (e) and (f) of the AS 3959: 2018. The area comprises of nonvegetated areas such as roads, footpaths and residential houses as well as low threat vegetation that is comprised of gardens and landscaping.

Excluded AS 3959: 2018 2.2.3.2 (e) & (f)



Plot 2 Classification or Exclusion Clause

Excluded AS 3959: 2018 2.2.3.2 (e)

Photo Point 12

Non-vegetated area that has been excluded under 2.2.3.2 (e) of AS 3959: 2018. The area comprises of cleared areas for future residential development.



Plot 2 Classification or Exclusion Clause

Photo Point 13

This area has been excluded under 2.2.3.2 (e) and (f) of the AS 3959: 2018. The area comprises of nonvegetated areas such as roads, footpaths and residential houses as well as low threat vegetation that is comprised of landscaping.

Excluded AS 3959: 2018 2.2.3.2 (e) & (f)



Plot 2 Classification or Exclusion Clause

Photo Point 14

Vegetation present is regarded as low threat due to factors such as flammability, moisture content or fuel load (managed landscaping).

Excluded AS 3959: 2018 2.2.3.2 (f)



Plot 2 Classification or Exclusion Clause

Excluded AS 3959: 2018 2.2.3.2 (f)

Photo Point 15

Vegetation present is regarded as low threat due to factors such as flammability, moisture content or fuel load (managed parkland).



RELEVANT FIRE DANGER INDEX

The fire danger index for this site has been determined in accordance with Table 2.1 of AS 3959: 2018.

Relevant Fire Danger Index			
FDI 40	FDI 50 🛛	FDI 80 🗹	FDI 100
Table 2.4.5	Table 2.4.4	Table 2.4.3	Table 2.4.2

POTENTIAL BUSHFIRE IMPACTS

The potential bushfire impact to the site / proposed development from each of the identified vegetation plots are identified below, Table 1 and Figure 1.

Diat	Plot Vegetation Classification	Effective Slope -	Separation distances required				
PIOL			BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
1	Class B Woodland	All upslopes and flat land (0 degrees)	<10	10-<14	14-<20	20-<29	29-<100
2	Excluded AS 3959: 2018 2.2.3.2 (e) & (f)	-	No separation distances required – BAL-LOW			OW	

DETERMINED BUSHFIRE ATTACK LEVEL (BAL)

The determined Bushfire Attack Level (highest BAL) for the proposed works has been determined in accordance with Clause 2.2.6 of AS 3959: 2018 relevant data from the site assessment shown in Table 2 and Figure 2.

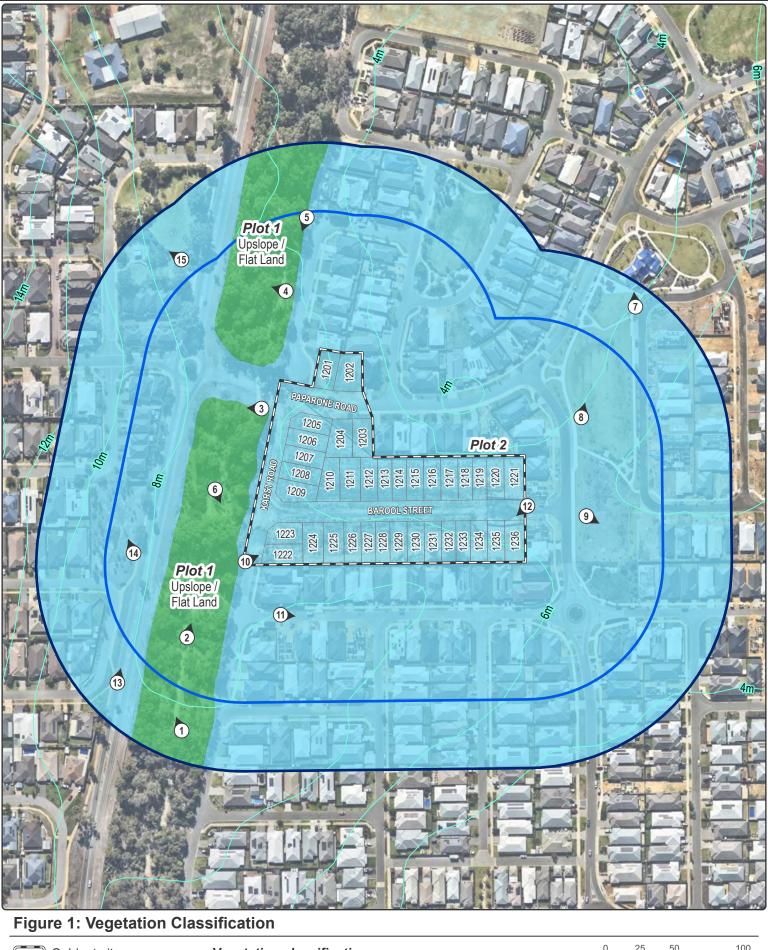
Lot	BAL rating (highest BAL) No lot setbacks	BAL rating (lowest BAL) Lot setbacks present	Minimum set back required to achieve BAL-19 for a future dwelling on lot
1201	BAL-19	BAL-19	N/A
1202	BAL-12.5	BAL-12.5	N/A
1203	BAL-12.5	BAL-12.5	N/A
1204	BAL-12.5	BAL-12.5	N/A
1205	BAL-29	BAL-19	4.1 m
1206	BAL-29	BAL-19	3.4 m
1207	BAL-29	BAL-19	1.9 m
1208	BAL-29	BAL-19	3.5 m
1209	BAL-29	BAL-19	3.5 m
1210	BAL-12.5	BAL-12.5	N/A
1211	BAL-12.5	BAL-12.5	N/A
1212	BAL-12.5	BAL-12.5	N/A
1213	BAL-12.5	BAL-12.5	N/A
1214	BAL-12.5	BAL-12.5	N/A
1215	BAL-LOW	BAL-LOW	N/A
1216	BAL-LOW	BAL-LOW	N/A
1217	BAL-LOW	BAL-LOW	N/A
1218	BAL-LOW	BAL-LOW	N/A
1219	BAL-LOW	BAL-LOW	N/A
1220	BAL-LOW	BAL-LOW	N/A
1221	BAL-LOW	BAL-LOW	N/A
1222	BAL-29	BAL-19	3.5 m
1223	BAL-29	BAL-19	0.9 m
1224	BAL-12.5	BAL-12.5	N/A
1225	BAL-12.5	BAL-12.5	N/A
1226	BAL-12.5	BAL-12.5	N/A
1227	BAL-12.5	BAL-12.5	N/A
1228	BAL-12.5	BAL-12.5	N/A
1229	BAL-LOW	BAL-LOW	N/A
1230	BAL-LOW	BAL-LOW	N/A

Table 2: BAL Assessment summary

Lot	BAL rating (highest BAL) No lot setbacks	BAL rating (lowest BAL) Lot setbacks present	Minimum set back required to achieve BAL-19 for a future dwelling on lot
1231	BAL-LOW	BAL-LOW	N/A
1232	BAL-LOW	BAL-LOW	N/A
1233	BAL-LOW	BAL-LOW	N/A
1234	BAL-LOW	BAL-LOW	N/A
1235	BAL-LOW	BAL-LOW	N/A
1236	BAL-LOW	BAL-LOW	N/A

Future dwellings on proposed lots 1205-1209 and 1222-1223 can achieve a rating of BAL-19 with minimum setbacks (as detailed in Table 2 above) from the western boundary of the lot.

Note: This BAL rating is based on the information current at the date of this document and is valid for 12 months.





Subject site 100m site assessment

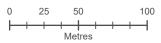
150m site assessment

- Lot boundary
- Photo location
- Contour (2m)

Vegetation classification

Class B Woodland

Excluded as per clause 2.2.3.2 (e) and (f)

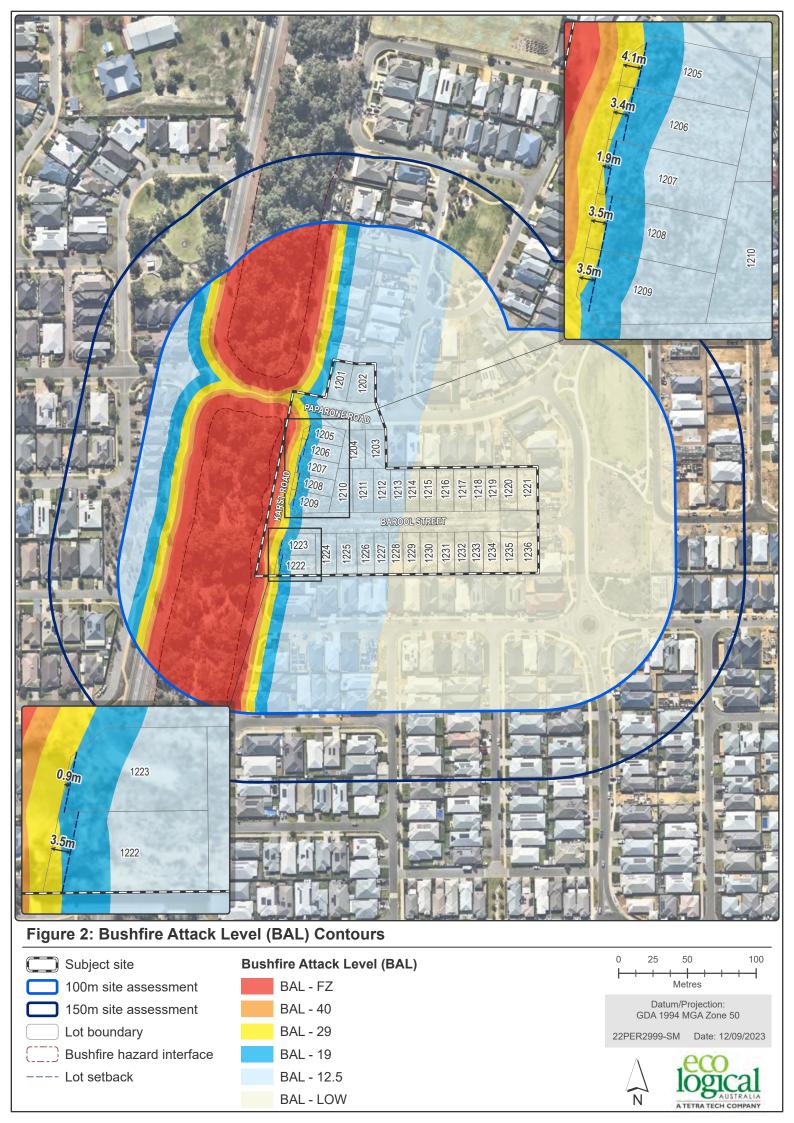


Datum/Projection: GDA 1994 MGA Zone 50

22PER2999-SM Date: 12/09/2023







Appendix A – Additional Information / Advisory Notes

This assessment was undertaken as per AS 3959: 2018. It is important that the current version of AS 3959, is consulted for construction purposes.

This BAL rating is based on the information current at the date of this letter and is valid for 12 months from the date of this letter.

Bushfire Attack Level (BAL) as set out in the Australian Standard 3959 Construction of Buildings in Bushfire-Prone Areas (AS 3959), as referenced in the Building Code of Australia.

Bushfire Attack Level (BAL)	Classified vegetation within 100 m of the site and radiant heat flux exposure thresholds	Description of predicted bush fire attack and levels of exposure	Construction Section as per AS 3959
BAL-LOW		There is insufficient risk to warrant specific construction requirements.	4
BAL-12.5	≤12.5 kW/m²	Ember attack	3 and 5
BAL-19	>12.5 kW/m2 ≤19 kW/m²	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing radiant heat flux.	3 and 6
BAL-29	>19 kW/m2≤29 kW/m²	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing radiant heat flux	3 and 7
BAL-40	>29 kW/m2≤40 kW/m²	Increasing levels of ember attack and burning debris ignited by windborne embers together with increasing radiant heat flux with the increased likelihood of exposure to flames.	3 and 8
BAL-FZ	>40 kW/m²	Direct exposure to flames from fire front in addition to radiant heat flux and ember attack	3 and 9

Source: "AS 3959: 2018 Construction of buildings in bushfire-prone areas" published by Standards Australia, Sydney

Appendix B – Baldivis Tramway Vegetation

From: Brett Ashby <<u>Brett.Ashby@rockingham.wa.gov.au</u>>
Sent: Thursday, 16 March 2023 10:46 AM
To: Wayne Burns <<u>Wayne.burns@frasersproperty.com.au</u>>
Cc: David Waller <<u>David.Waller@rockingham.wa.gov.au</u>>; James Henson
<<u>James.Henson@rockingham.wa.gov.au</u>>; Luke Rogers <<u>Luke.Rogers@rockingham.wa.gov.au</u>>; Cyril
Sharrock <<u>Cyril.Sharrock@rockingham.wa.gov.au</u>>
Subject: RE: Baldivis Parks Stage 18 BAL Assessment

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Good morning Wayne,

Further to our conversation, I've been out on-site and discussed with relevant staff within the City. It's agreed that there isn't further revegetation required in that area of the Tramway, particularly with shrubs or trees, however, there may be some areas requiring limited planting of ground covers.

I do note that the City will not be seeking to maintain a specific classification over the tramway, and in this regard will not be removing any trees or shrubs that naturally regenerate in the area.

Regards

Brett



where the coast comes to life

Brett Ashby - Manager Strategic Planning and Environment

PO Box 2142 Rockingham DC WA 6967 Civic Boulevard Rockingham Western Australia telephone +61 8 9528 0405 facsimile +61 8 9592 1705 mobile +61 450 671 299 email <u>brett.ashby@rockingham.wa.gov.au</u> web rockingham.wa.gov.au



From: Wayne Burns <<u>Wayne.burns@frasersproperty.com.au</u>>
Sent: Wednesday, 1 March 2023 1:15 PM
To: James Henson <<u>James.Henson@rockingham.wa.gov.au</u>>
Cc: Daniel Panickar (<u>danielp@ecoaus.com.au</u>) <<u>danielp@ecoaus.com.au</u>>
Subject: Baldivis Parks Stage 18 BAL Assessment

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Hi James,

As discussed, what we are seeking and what our bushfire consultant requires to maintain a Class B Woodland classification over the Baldivis Tramway within their BAL assessment, is confirmation from the City that it will not be undertaking revegetation within areas of the Tramway adjacent to the Baldivis Parks project, specifically with the planting of shrubs or additional trees?

Wayne Burns Development Manager Frasers Property Australia

T +61 8 9214 7997 M +61 413 469 093 E <u>Wayne.burns@frasersproperty.com.au</u> Level 2, 3 De Vlamingh Avenue, East Perth WA 6004 Australia <u>www.frasersproperty.com.au</u> | <u>LinkedIn</u> | <u>YouTube</u>



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Appendix B Photographic evidence of compliance



Plate 1: Evidence of construction internal road network is underway and internal site being cleared.



Plate 2: Evidence of construction internal road network and connection to external road network is underway and internal site being cleared.



Plate 3: Evidence of internal areas to site being cleared and/or maintained to low threat.



Plate 4: Evidence of external areas to site being cleared and/or maintained to low threat.

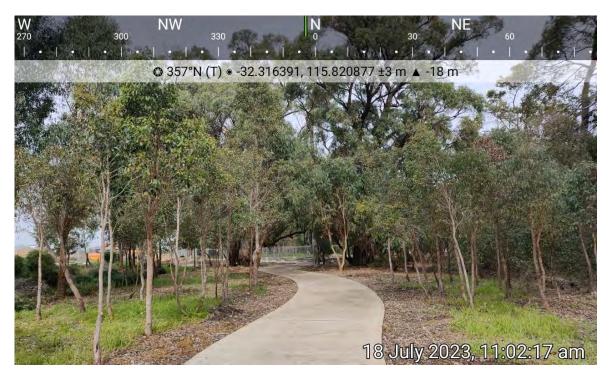


Plate 5: Remnant vegetation present within the Baldivis Tramway adjacent to the subject site



Plate 6: Remnant vegetation present within the Baldivis Tramway adjacent to the subject site



Plate 7: Evidence of external POS areas being maintained to low threat as per clause 2.2.3.2 (f) in AS 3959.



Plate 8: Evidence of external landscaping areas being maintained to low threat as per clause 2.2.3.2 (f) in AS 3959.



Plate 9: Evidence of external POS and landscaping areas being maintained to low threat as per clause 2.2.3.2 (f) in AS 3959.



Plate 10: Evidence of external landscaping areas being maintained to low threat as per clause 2.2.3.2 (f) in AS 3959.



Plate 11: Evidence of external POS and landscaping areas being maintained to low threat as per clause 2.2.3.2 (f) in AS 3959.

Appendix C Deposited Plan (A)

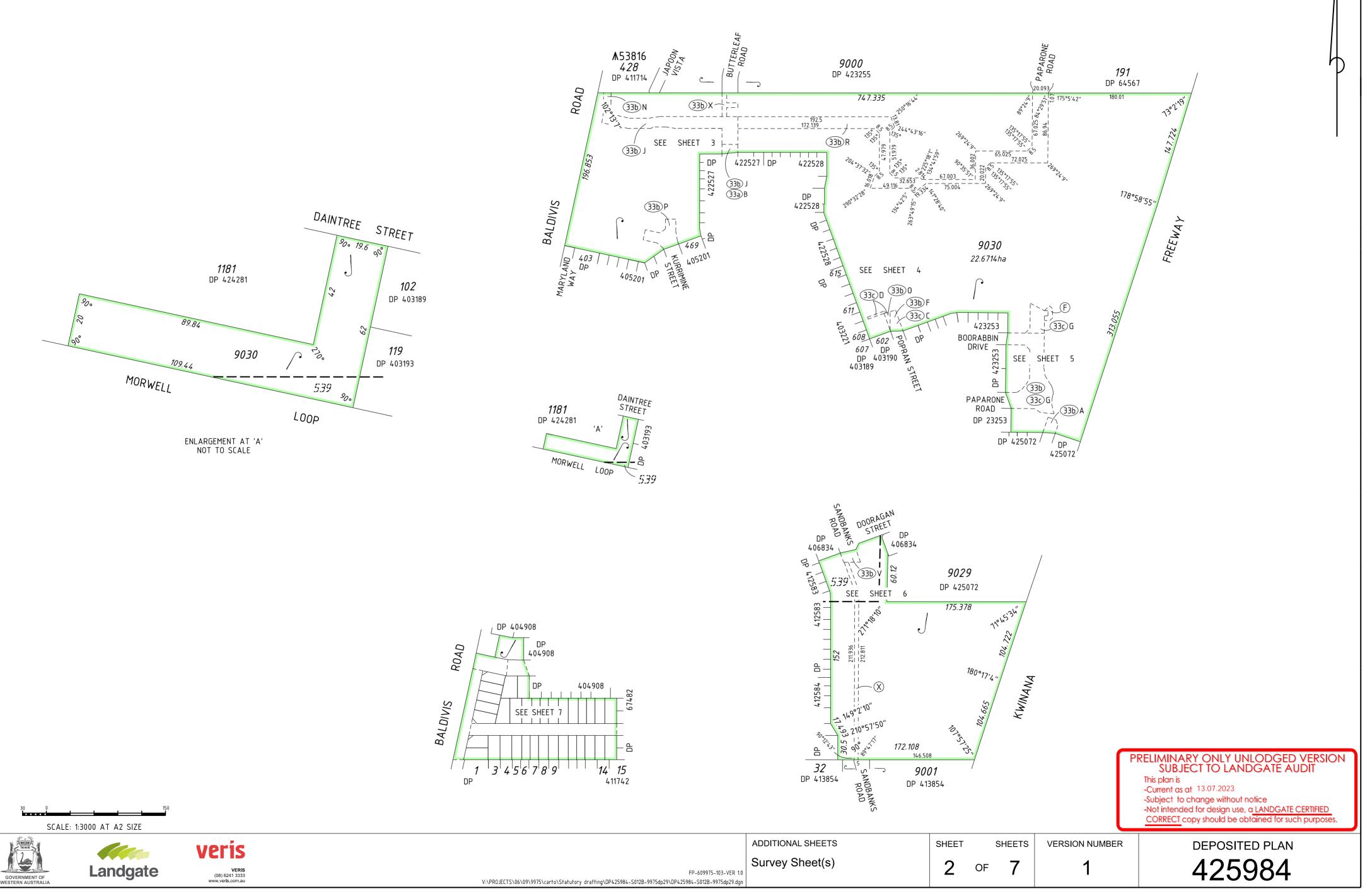
Plan Information		Survey Details		Former Tenur						
Tenure Type Freehold		Field Records	123309	New Lot / Land	Parent Plan Nu	mber Parent Lot Number	Title Reference	e Subject La	and Description	
Plan Type Deposited Plan				Lots 1203 -1236	& 9030 DP 425072	Lot 9028				
Plan Purpose Subdivision		Area -		Former Tenur	Former Tenure Interests and Notifications					
Plan Heading		Survey and Plan Nota	ation	Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
Lots 1203 -1236, 9030, Roads & Restrictive Coven	ant.	Survey carried out under Reg. 26A(1) Deferred Final Marking Approval. Approval ID xxxx-xx dated Day Month Year : Landgate File xxxxx-xxxx		(33b) J	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403189	Lot 9030	Water Corporation	
Locality & Local Government		LIMITED IN DEPTH TO 60.96 METRES EXCEPT AS TO LOT 539		(33b)N	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9030	Water Corporation	
Locality Baldivis		_		(33b) F	Easement	Sec 167 of the P & D Act	DP 403189	Lot 9030	Water Corporation	
Local Government City of Rockinghar	m			(33b) 0	(Sewerage & Water Supply) Easement (Sewerage & Water Supply)	Reg33(b) Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9030	Water Corporation	
Department of Planning, Lands and Her	ritage	-		(33c) [Easement	Sec 167 of the P & D Act	DP 403189	Lot 9030	Electricity Networks	
File Number				(33c) D	(Electricity Supply) Easement	Reg33(c) Sec 167 of the P & D Act	DP 403190	Lot 9030	Corporation Electricity Networks	
Examination		Survey Method Regulatory Statement		(33b) P	(Electricity Supply) Easement	Reg33(c) Sec 167 of the P & D Act	DP 405201	Lot 9030	Corporation Water Corporation	
		Guidelines. See survey she	Reg. 26A Special Survey Area eet(s) to determine the true final		(Sewerage & Water Supply) Easement	Reg33(b) Sec 167 of the P & D Act				
Examined	Date	_ position and type of all sur	vey marks placed for this plan.	(33b) R	(Sewerage) Easement	Reg33(b) Sec 167 of the P & D Act	DP 406069	Lot 9030	Water Corporation	
Planning Approval		Survey Certificate - R	Regulation 54	(33b) V (33b) X	(Sewerage)	Reg33(b)	DP 406834	Lot 9030	Water Corporation	
Planning Authority WAPC				(X) (33a) B	Easement Easement	Sec 167 of the P & D Act	Doc N971268 DP 422527	Lot 9030 Lot 9030	Water Corporation City of Rockingham	
Reference 156812		 I, David J. Gibb hereby certify that this plan 	is accurate and is a correct representation of the -		(Drainage) Easement	Reg33(a) Sec 167 of the P & D Act				
		(a) survey; and (b) calculations from m	neasurements recorded in the field records,	(33b)	(Sewerage & Water Supply) Easement	Reg33(b) Sec 167 of the P & D Act	DP 423253	Lot 9030	Water Corporation Electricity Networks	
	Data	undertaken for the purpose written law(s) in relation to	es of this plan and that it complies with the relevant which it is lodged.	<u>33</u> 0 G	(Electricity Supply)	Reg33(c)	DP 423253	Lot 9030	Corporation	
Delegated under S. 16 P&D Act 2005	Date			F	Restrictive Covenant	Sec 129BA of the TLA	Doc P525171	Lot 9030	Electricity Networks Corporation	Fire Separation
In Order For Dealings		Licensed Surveyor	Date	(33b) A	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 425072	Lot 9030	Water Corporation	
Subject To			I	New Interests				1		
		Survey Organisation		Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
		Name Address	JOLIMONT 6014				This Plan &	All Lots Except	All Lots Except	
		Phone	6241 3333		Restrictive Covenant	Sec 136D of the TLA	Doc	Lot 9030	Lot 9030	
		Fax	6241 3300	New Notificati	ons and Memorials	1		1		
For Registrar of Titles	Date	_ Email	lodgements.wa@veris.com.au	Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
For Registrar or flues		Reference	609975-S012B-DJG		Notification	Sec 165 of the P & D Act	Doc	All Lots Except Lot 9030		Mosquitoes
Plan Approved		-			Notification	Sec 165 of the P & D Act	Doc	Lots 1203-1214 & 1222-1228		Bushfire Management Plan
	REG 26A(1)(4)									
Inspector of Plans and Surveys / Authorised Land	Officer Date	-								
	I									
								_		
								P	RELIMINARY ONLY SUBJECT TO LA	UNLODGED VERSION ANDGATE AUDIT
									This plan is -Current as at 13.07.2023	
									-Subject to change with	
								L		e obtained for such purposes.
	veric				DDITIONAL SHEETS	SHEET	SHEETS VER	SION NUMBER	DEPOS	ITED PLAN
					Survey Sheet(s)	1 OF	7	1		5984
GOVERNMENT OF WESTERN AUSTRALIA	VERIS (08) 6241 3333 www.veris.com.au		09975-baldivis_parks-72-2 V:\PROJECTS\06\09\9975\carto\Statutory drafting\DP425984-S012	230405_dp29.acs FP-609975-103-VER 1.0			•	•	423	7904

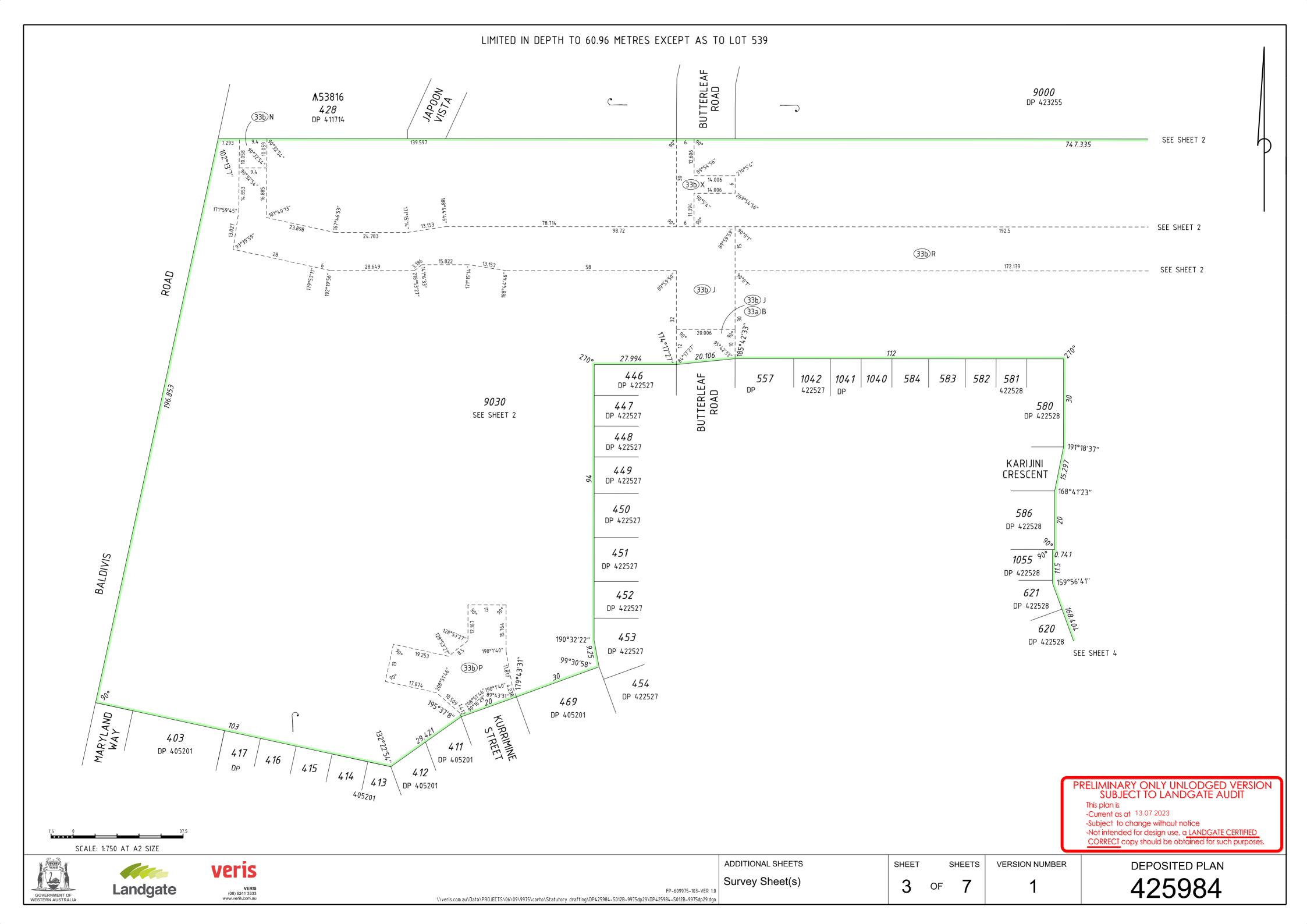
r Tenure				
ot / Land	Parent Plan Number	Parent Lot Number	Title Reference	Subject Land Description
203 -1236 & 9030	DP 425072	Lot 9028		

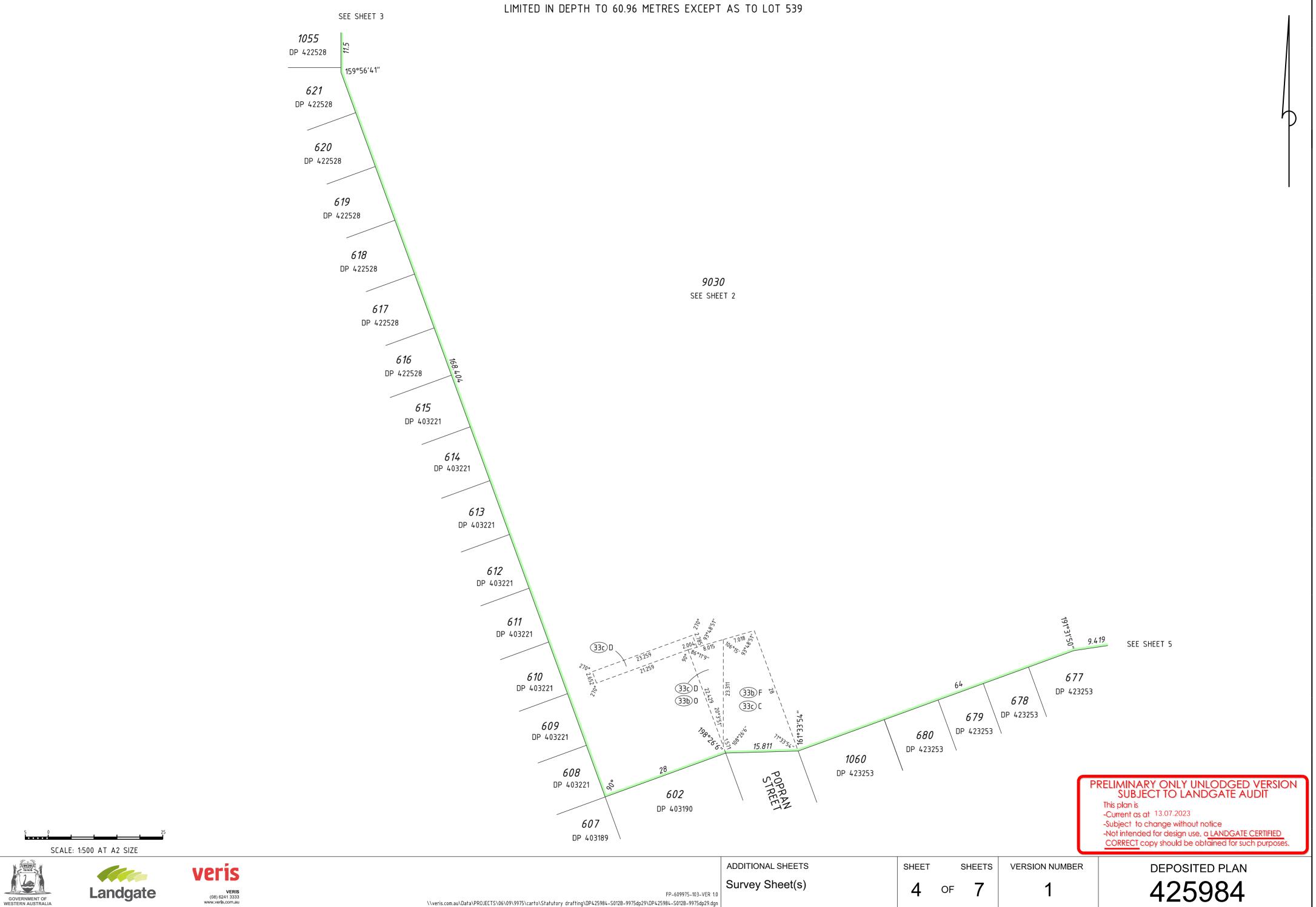
r Tenure Interests and Notifications								
ct	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments		
33P) 1	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403189	Lot 9030	Water Corporation			
B3DN	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9030	Water Corporation			
B3D F	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 403189	Lot 9030	Water Corporation			
33b) 0	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9030	Water Corporation			
3300	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 403189	Lot 9030	Electricity Networks Corporation			
B3c D	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 403190	Lot 9030	Electricity Networks Corporation			
B3b)P	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 405201	Lot 9030	Water Corporation			
33b)R	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 406069	Lot 9030	Water Corporation			
V (33b)X	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 406834	Lot 9030	Water Corporation			
X	Easement		Doc N971268	Lot 9030	Water Corporation			
33a B	Easement (Drainage)	Sec 167 of the P & D Act Reg33(a)	DP 422527	Lot 9030	City of Rockingham			
33b)	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 423253	Lot 9030	Water Corporation			
330 G	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 423253	Lot 9030	Electricity Networks Corporation			
F	Restrictive Covenant	Sec 129BA of the TLA	Doc P525171	Lot 9030	Electricity Networks Corporation	Fire Separation		
33b) A	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 425072	Lot 9030	Water Corporation			

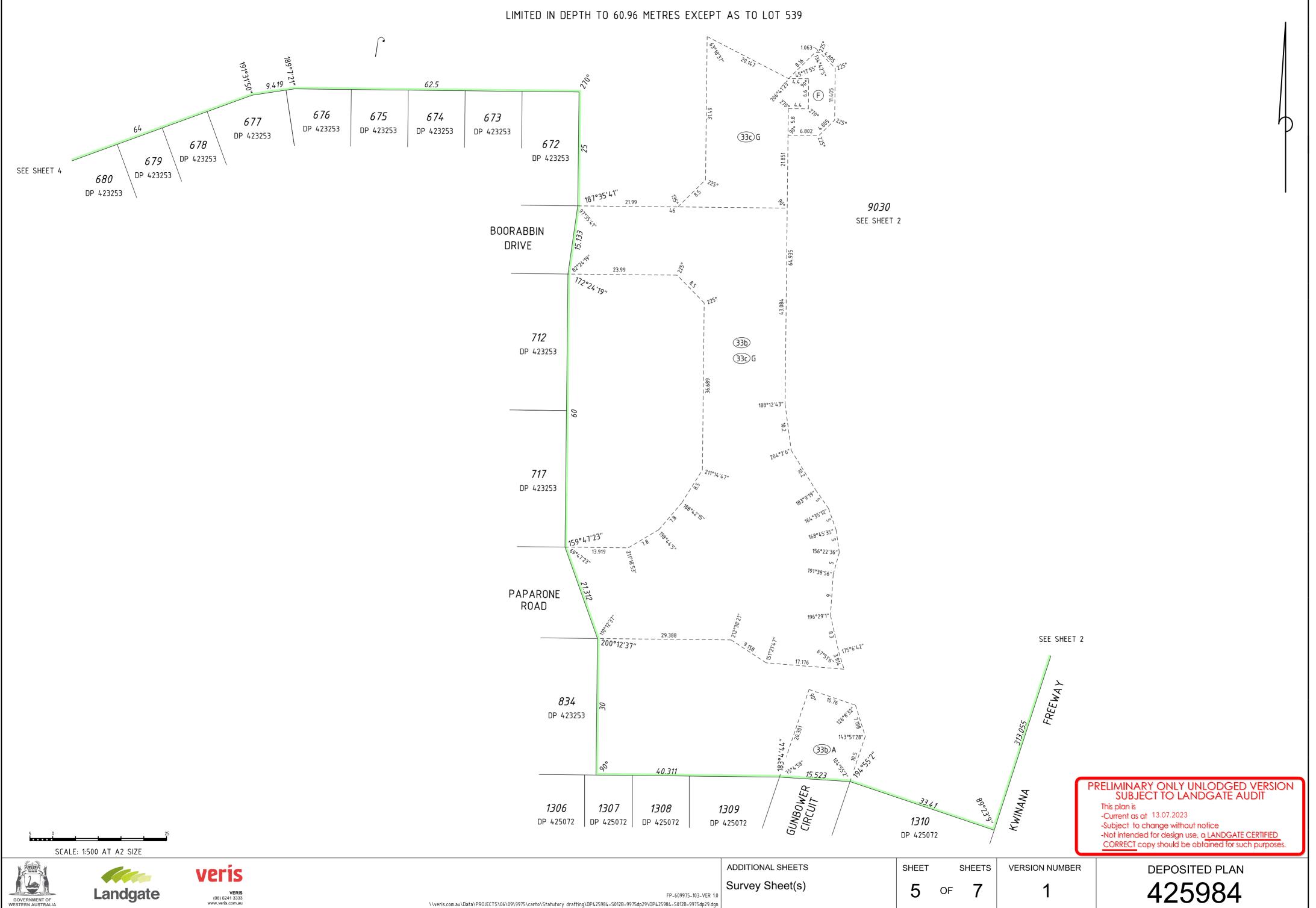
ect	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
	Restrictive Covenant	Sec 136D of the TLA	This Plan & Doc	All Lots Except Lot 9030	All Lots Except Lot 9030	

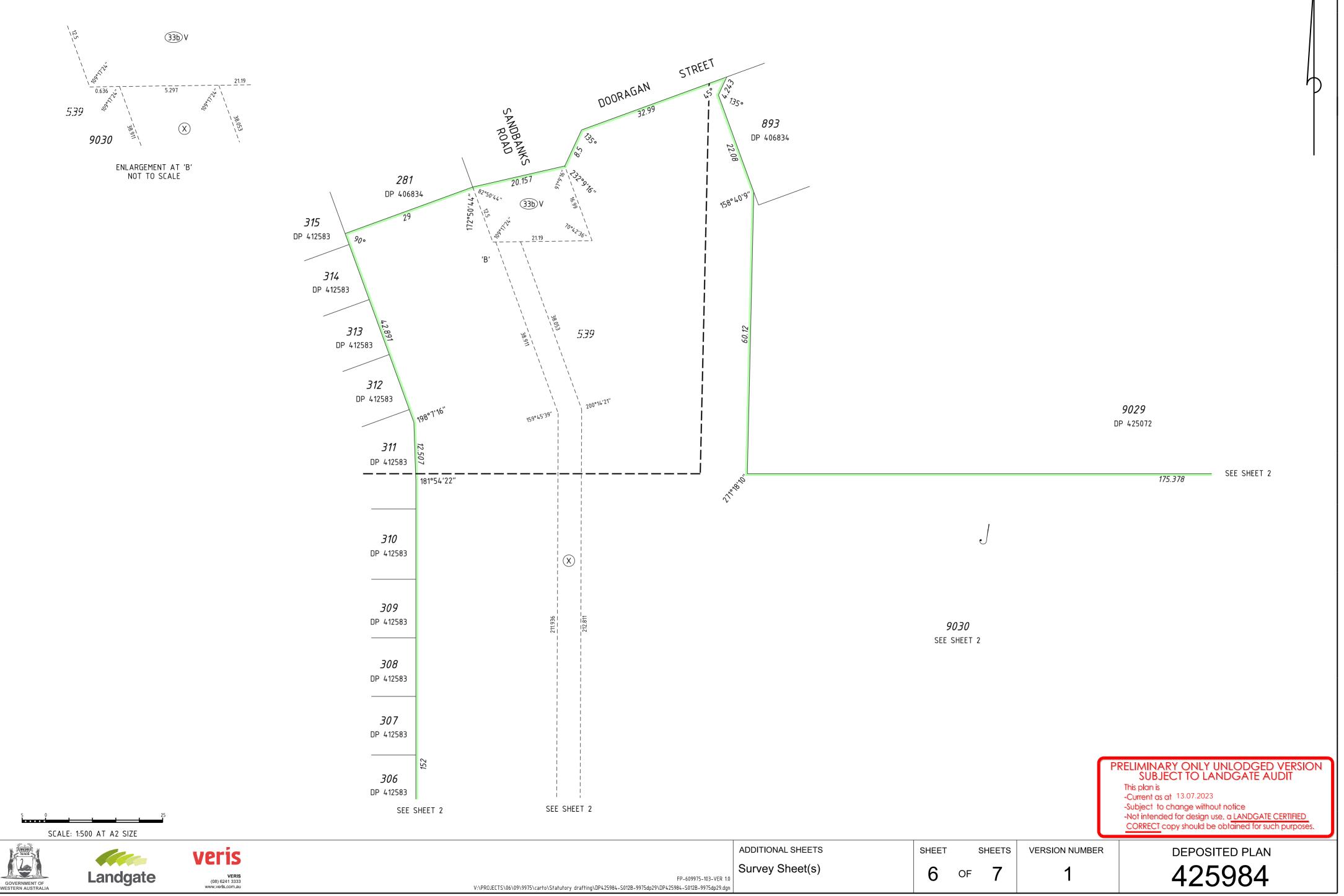
ct	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
	Notification	Sec 165 of the P & D Act	Doc	All Lots Except Lot 9030		Mosquitoes
	Notification	Sec 165 of the P & D Act	Doc	Lots 1203-1214 & 1222-1228		Bushfire Management Plan













Appendix D Deposited Plan (B)

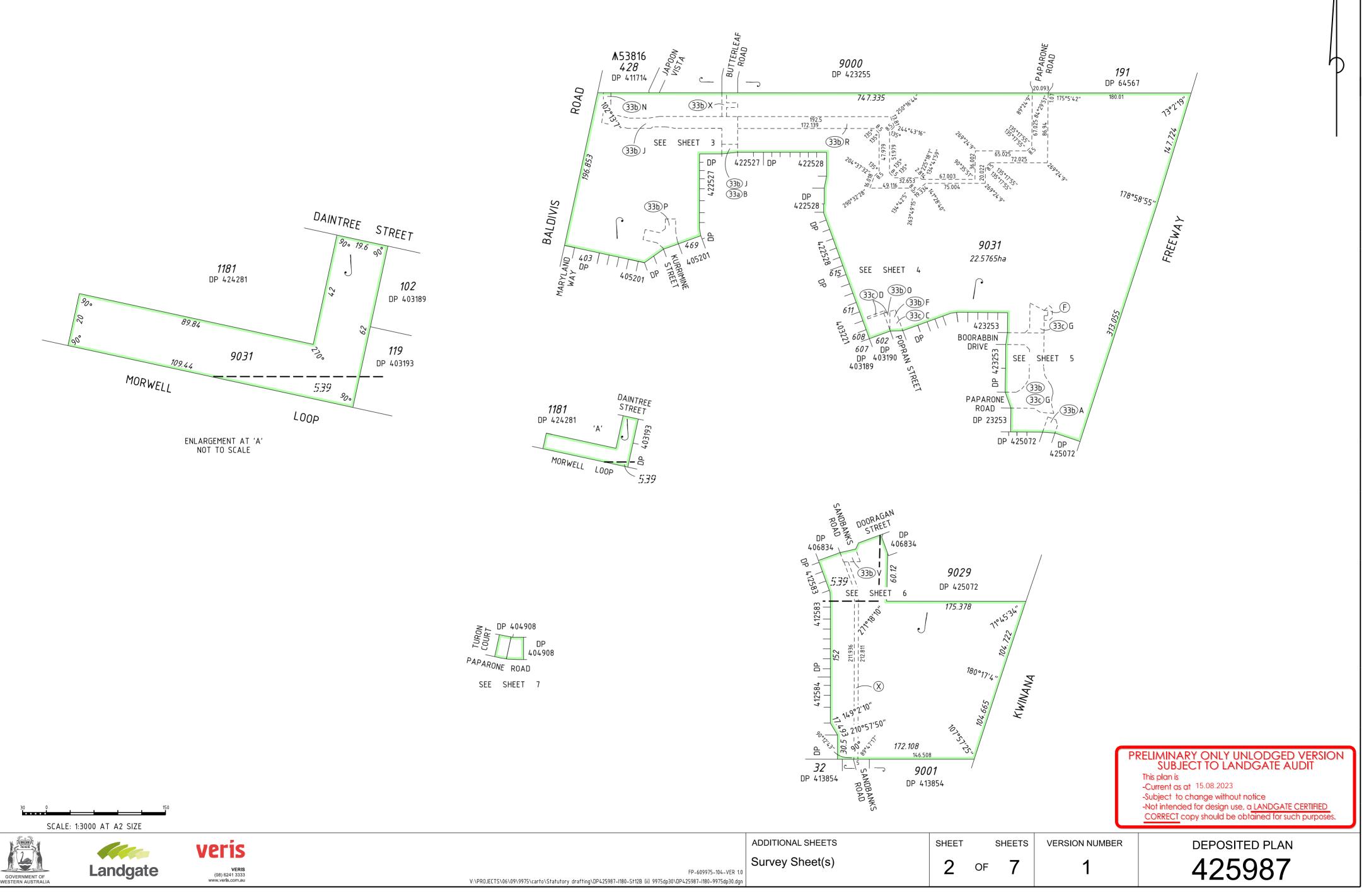
Plan Information			Survey Details			Former Tenur	6					
	ehold		Field Records	123309		New Lot / Land	Parent Plan Nu	mber Parent Lot Number	Title Reference	Subject Lar	nd Description	
Plan Type Dep	posited Plan		Declared as Special Survey	Yes		Lots 1201, 1202	& 9031 DP 425984	Lot 9030				
Plan Purpose Sub	odivision		Area			Former Tenur	e Interests and Notificatior	าร				
Plan Heading		Survey and Plan Nota	tion		– Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments	
Lots 1201, 1202, 9031 & Restrictive Covenant		Survey carried out under Reg. 26A(1) Deferred Final Marking Approval. Approval ID xxxx-xx dated Day Month Year : Landgate File xxxxx-xxxx		(33b) J	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403189	Lot 9031	Water Corporation			
Locality & Local Government		Limited in Depth to 60.96 metres except as to Lot 539.		(33b) N	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9031	Water Corporation			
Locality Baldivis					(33b) F	Easement	Sec 167 of the P & D Act	DP 403189	Lot 9031	Water Corporation		
Local Government City	of Rockingham					(33b) 0	(Sewerage & Water Supply) Easement (Sewerage & Water Supply)	Reg33(b) Sec 167 of the P & D Act Reg33(b)	DP 403190		Water Corporation	
Department of Planning, Lan	nds and Heritage					330	Easement	Sec 167 of the P & D Act	DP 403189	Lot 9031	Electricity Networks	
File Number						(33c) D	(Electricity Supply) Easement (Electricity Supply)	Reg33(c) Sec 167 of the P & D Act Reg33(c)	DP 403190	Lot 9031	Corporation Electricity Networks Corporation	
Examination			Survey Method Regula	atory Statement		- (33b)P	Easement	Sec 167 of the P & D Act	DP 405201	Lot 9031	Water Corporation	
				eg. 26A Special Survey Area et(s) to determine the true final			(Sewerage & Water Supply) Easement	Reg33(b) Sec 167 of the P & D Act			water Corporation	
Examined		Date		ey marks placed for this plan.		(33b) R	(Sewerage) Easement	Reg33(b) Sec 167 of the P & D Act	DP 406069		Water Corporation	
Planning Approval	I		Survey Certificate - Re	egulation 54		33bV 33bX	(Sewerage)	Reg33(b)	DP 406834		Water Corporation	
Planning Authority WAF	PC					_ (X)	Easement	Sec 167 of the P & D Act	Doc N971268		Water Corporation	
Reference 1637			 I, David J. Gibb hereby certify that this plan is 	s accurate and is a correct repres	sentation of the -	33a)B	Easement (Drainage)	Reg33(a)	DP 422527	Lot 9031	City of Rockingham	
			(a) survey; and(b) calculations from me	easurements recorded in the fiel	ld records,	(33b)	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 423253	Lot 9031	Water Corporation	
			undertaken for the purposes written law(s) in relation to v	s of this plan and that it complie which it is lodged.	es with the relevant	<u>33</u> C G	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 423253	Lot 9031	Electricity Networks Corporation	
Delegated under S. 16 P&D Act 200]5	Date		-		F	Restrictive Covenant	Sec 129BA of the TLA	Doc P525171	Lot 9031	Electricity Networks Corporation	Fire Separation
In Order For Dealings			Licensed Surveyor		Date	- (33b) A	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 425072	Lot 9031	Water Corporation	
Subject To								1.0900(2)				
			Survey Organisation			New Interests	1	Otatutary Deferreres	Orisia	Land Dundanad	Denefit	Commente
			Name Address	VERIS JOLIMONT 6014		Subject	Purpose	Statutory Reference	Origin This Plan &	Land Burdened	All Lots Except	Comments
			Phone	6241 3333			Restrictive Covenant	Sec 136D of the TLA	Doc	Lot 9031	Lot 9031	
			Fax	6241 3300		New Notificat	ons and Memorials					
			Email	lodgements.wa@veris.com	n.au	Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
For Registrar of Titles		Date	Reference	609975-I180-DJG			Notification	Sec 165 of the P & D Act	Doc	Lots 1201 & 1202		Mosquitoes
Plan Approved		REG 26A(1)(4)					Notification	Sec 165 of the P & D Act	Doc	Lots 1201 & 1202		Bushfire Management Plan
		REG 20A(1)(4)										
Inspector of Plans and Surveys / Au	uthorised Land Officer	Date										
												UNLODGED VERSION
											This plan is -Current as at 15.08.2023	
											-Subject to change witho -Not intended for design u	ut notice Ise, a LANDGATE CERTIFIED
											CORRECT copy should be	e obtained for such purposes.
		C					ADDITIONAL SHEETS	SHEET	SHEETS VERS		DEPOS	ITED PLAN
	🕨 Veri	5					Survey Sheet(s)	1 OF	7	1		
GOVERNMENT OF WESTERN AUSTRALIA	(08) 6241 www.veris.co			V:\PROJECTS\06\09\9975\carto\Statuto	09975-baldivis_parks-72-230405 ory drafting\DP425987-1180-St12B (ii) 997	dp30.acs FP-609975-104-VER 1.0	· · · · /		1	I	423	5987

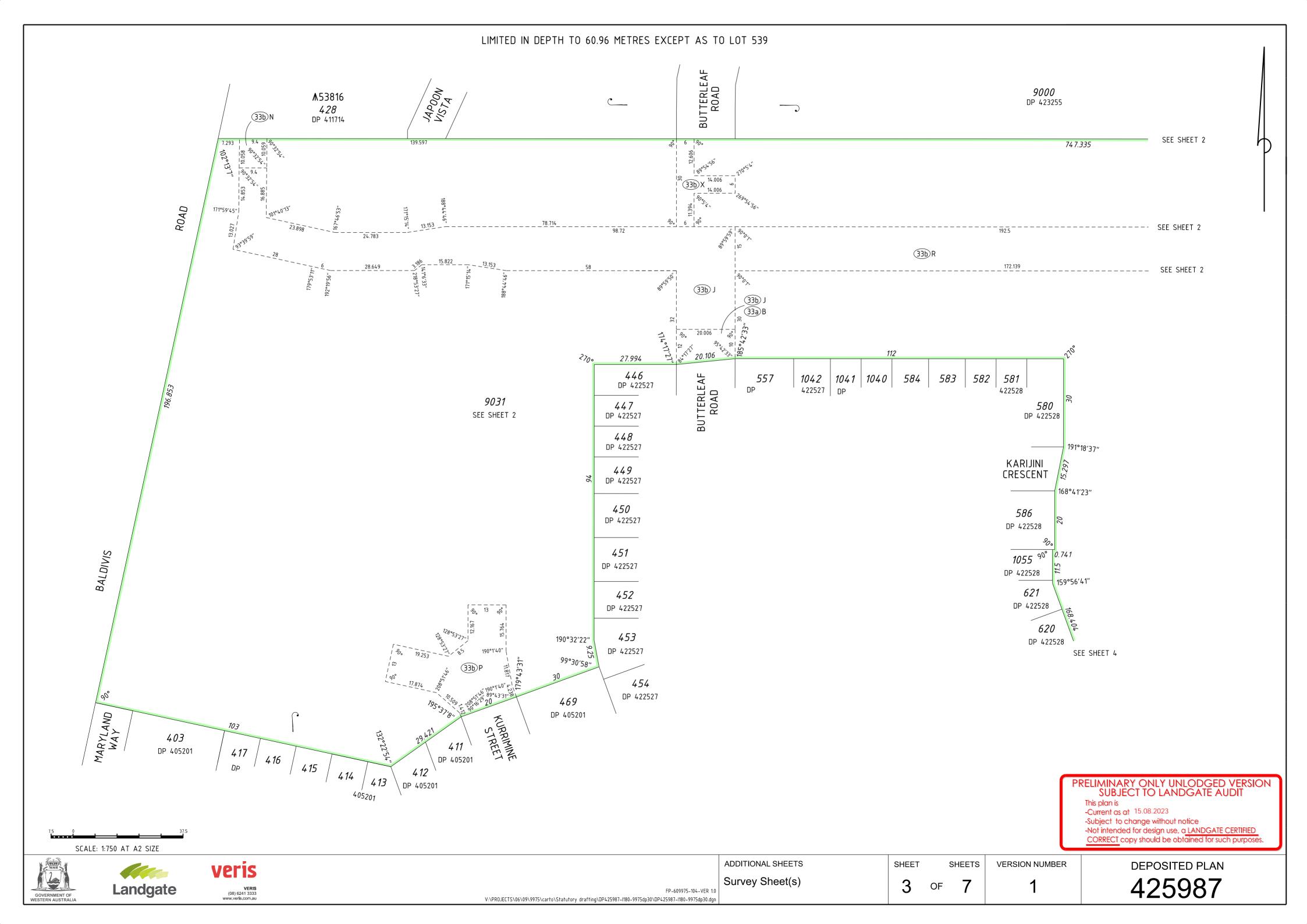
r Tenure				
ot / Land	Parent Plan Number	Parent Lot Number	Title Reference	Subject Land Description
201, 1202 & 9031	DP 425984	Lot 9030		

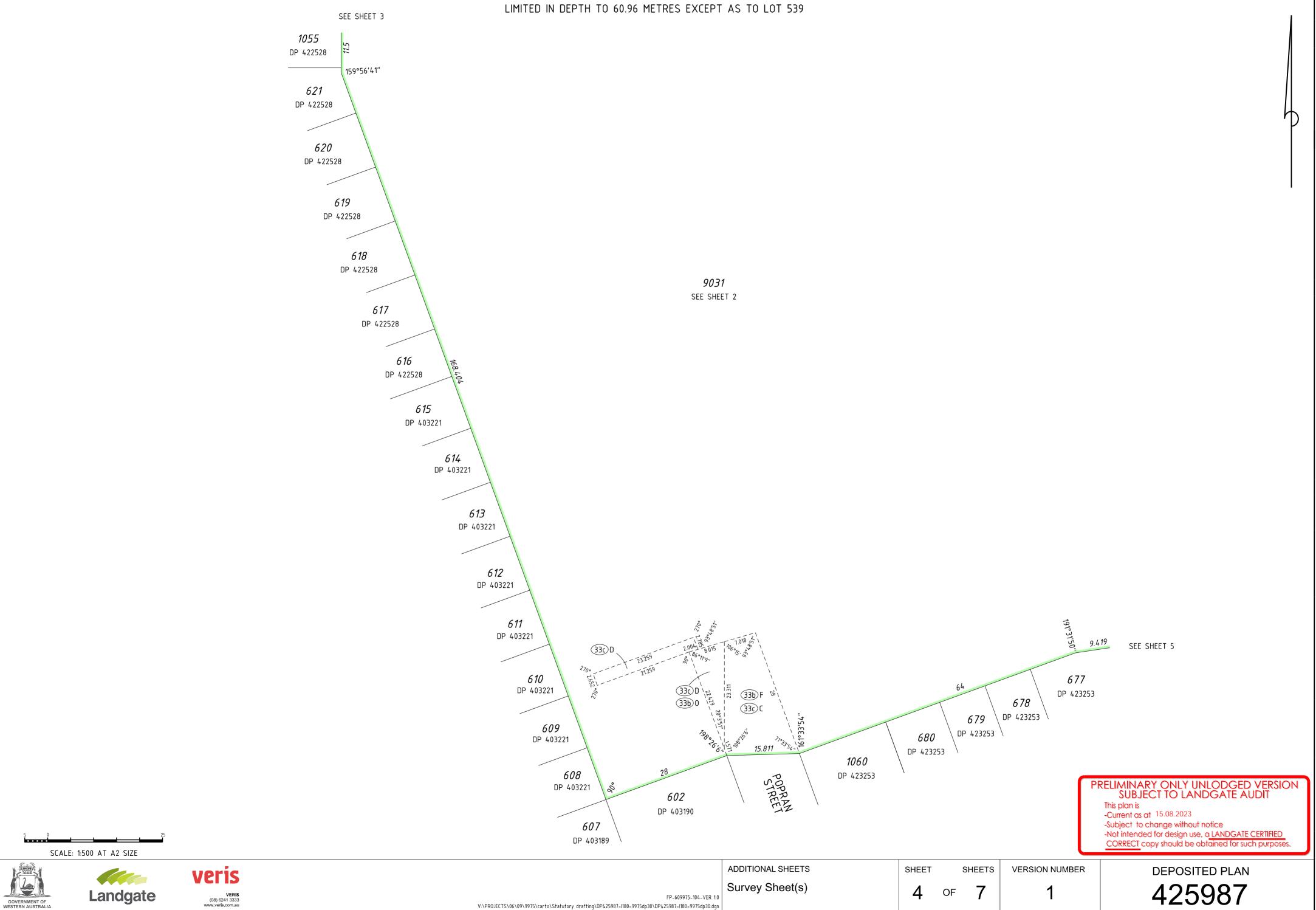
	interests and Notifications	5				
ct	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
33D) J	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403189	Lot 9031	Water Corporation	
B3b)N	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9031	Water Corporation	
B3b) F	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 403189	Lot 9031	Water Corporation	
33b) 0	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 403190	Lot 9031	Water Corporation	
330 C	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 403189	Lot 9031	Electricity Networks Corporation	
B3c D	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 403190	Lot 9031	Electricity Networks Corporation	
BB P	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 405201	Lot 9031	Water Corporation	
B3b)R	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 406069	Lot 9031	Water Corporation	
V (33b)X	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 406834	Lot 9031	Water Corporation	
X	Easement		Doc N971268	Lot 9031	Water Corporation	
BBBB	Easement (Drainage)	Sec 167 of the P & D Act Reg33(a)	DP 422527	Lot 9031	City of Rockingham	
33b)	Easement (Sewerage & Water Supply)	Sec 167 of the P & D Act Reg33(b)	DP 423253	Lot 9031	Water Corporation	
BBC) G	Easement (Electricity Supply)	Sec 167 of the P & D Act Reg33(c)	DP 423253	Lot 9031	Electricity Networks Corporation	
F	Restrictive Covenant	Sec 129BA of the TLA	Doc P525171	Lot 9031	Electricity Networks Corporation	Fire Separation
A3DA	Easement (Sewerage)	Sec 167 of the P & D Act Reg33(b)	DP 425072	Lot 9031	Water Corporation	

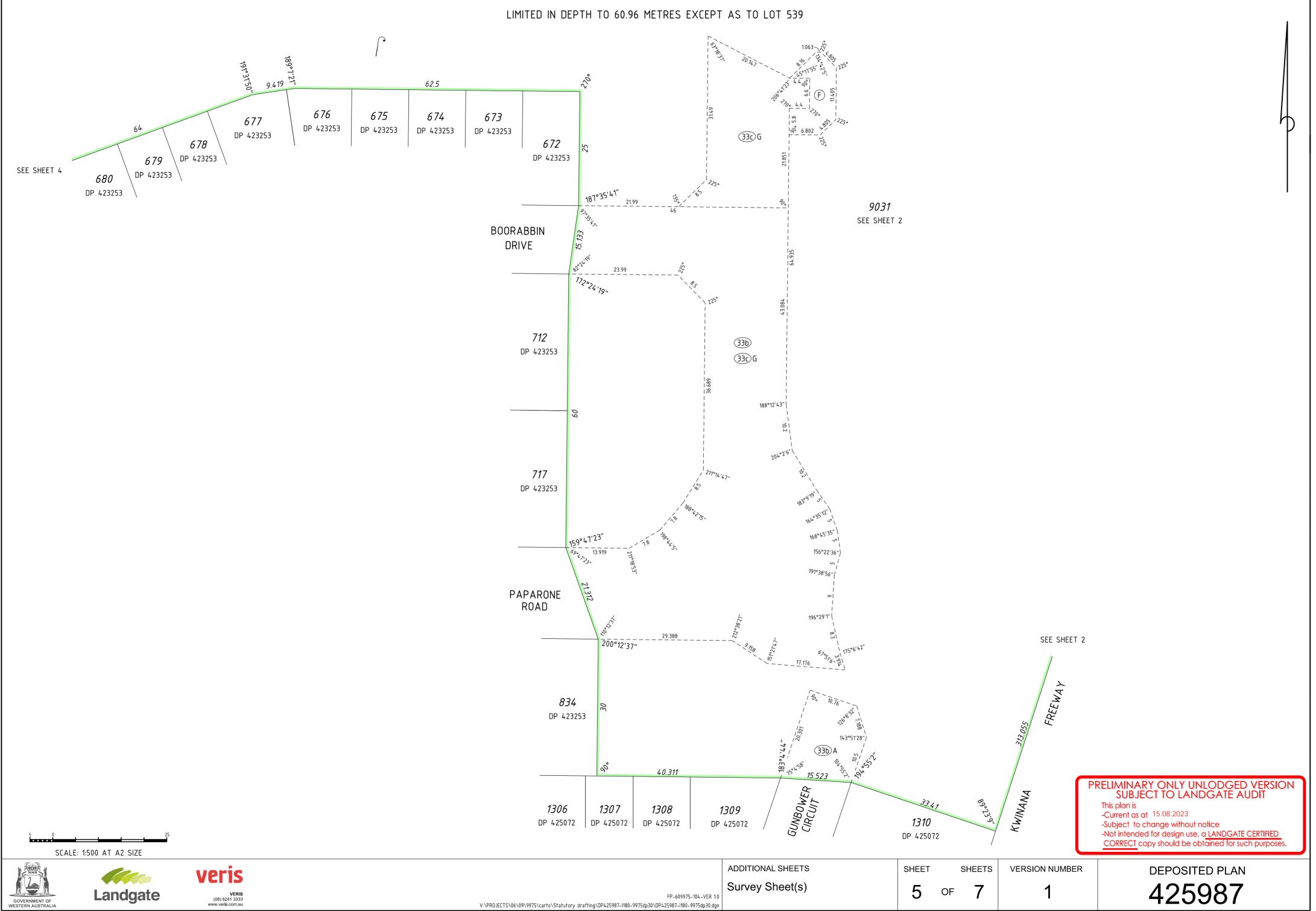
ct	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
	Restrictive Covenant	Sec 136D of the TLA	This Plan & Doc	All Lots Except Lot 9031	All Lots Except Lot 9031	

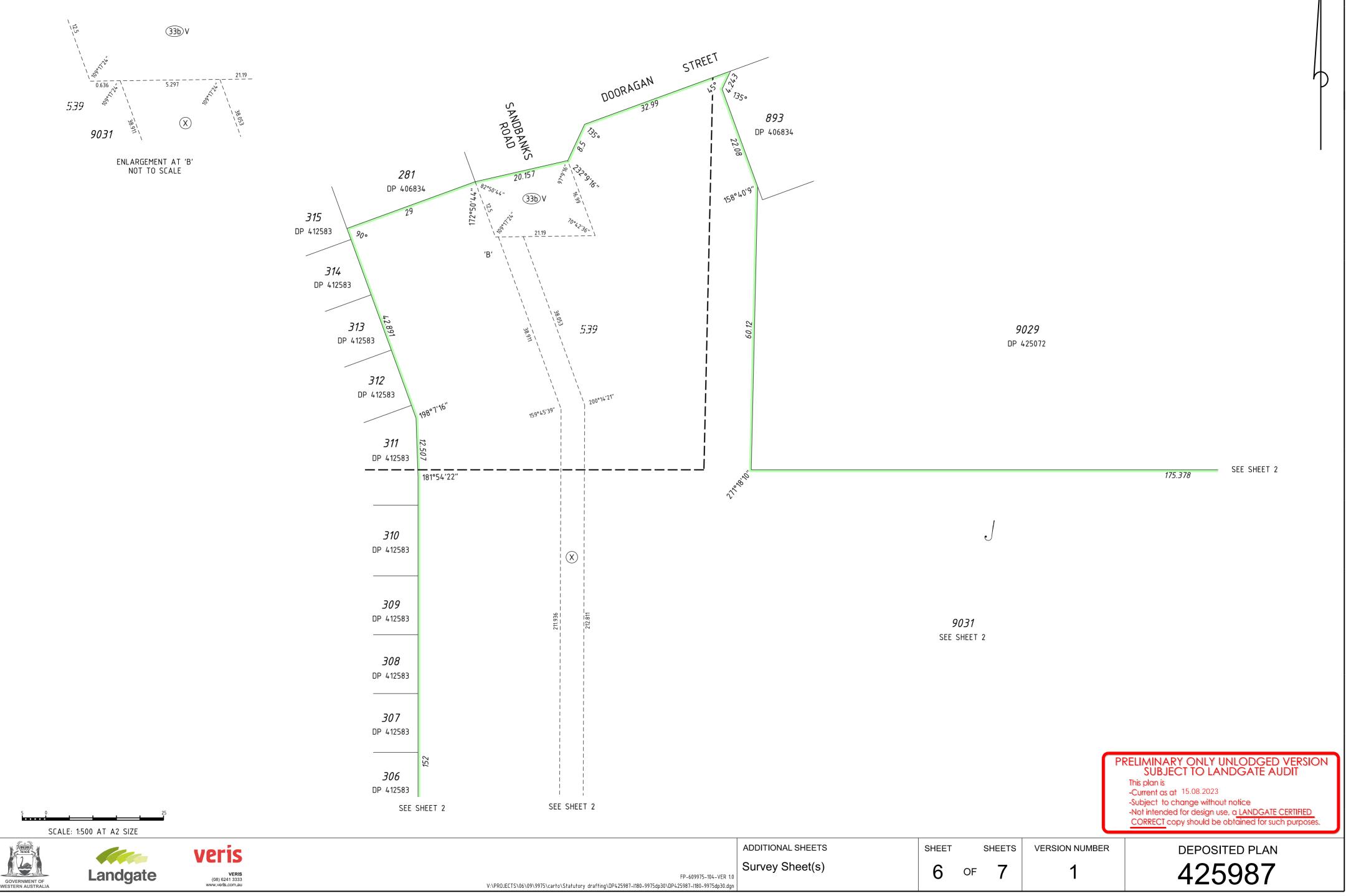
ct	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
	Notification	Sec 165 of the P & D Act	Doc	Lots 1201 & 1202		Mosquitoes
	Notification	Sec 165 of the P & D Act	Doc	Lots 1201 & 1202		Bushfire Management Plan

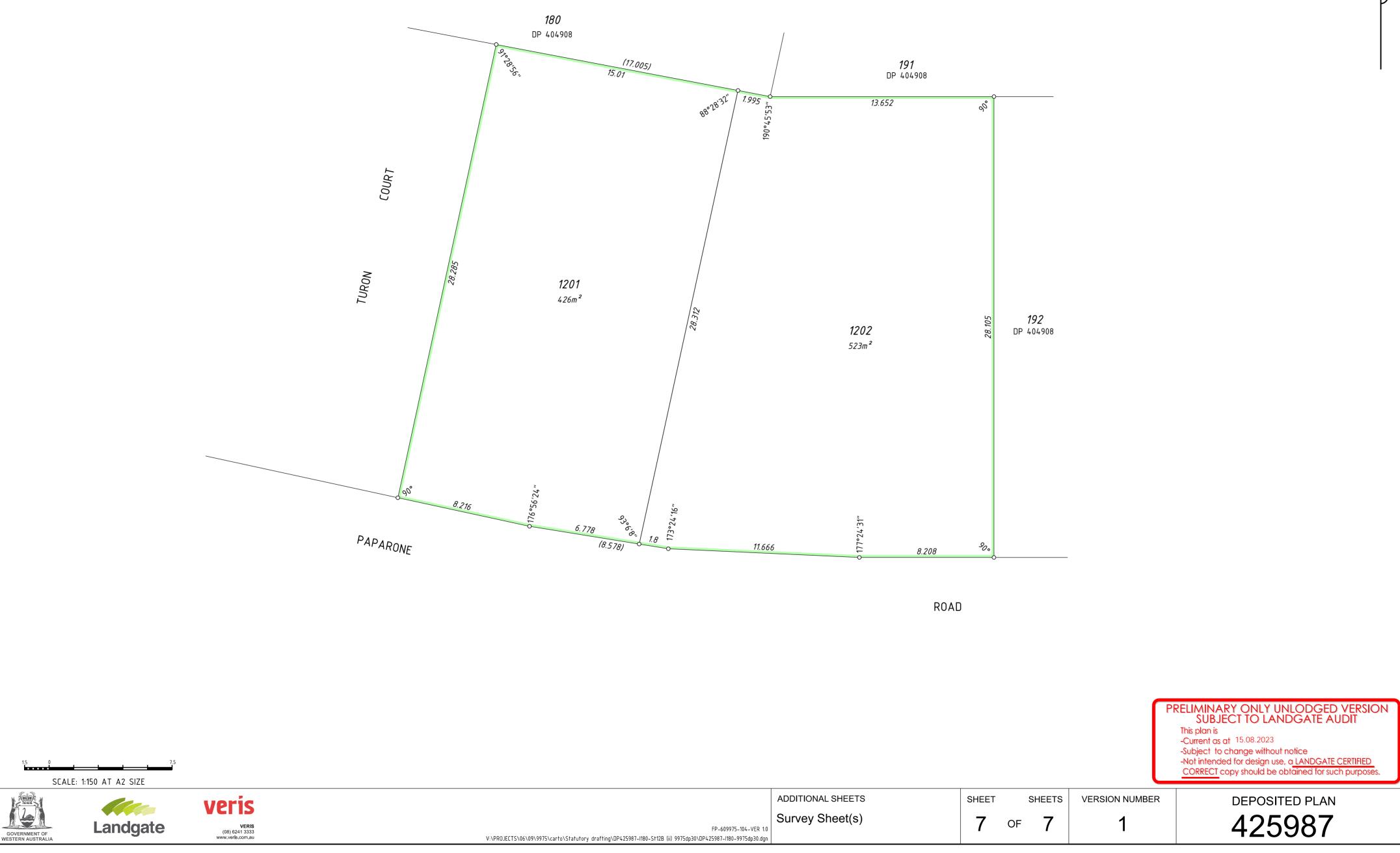




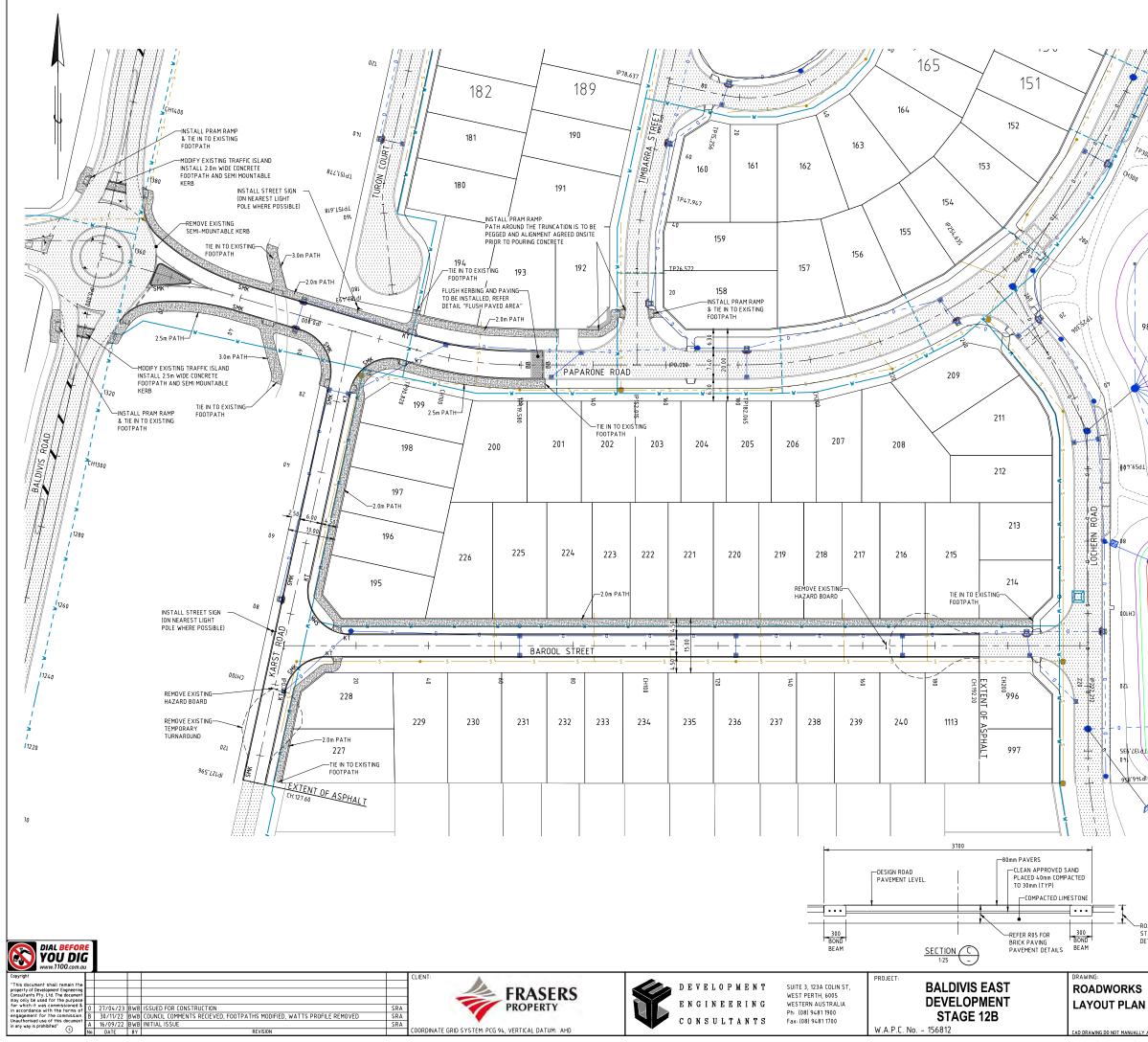


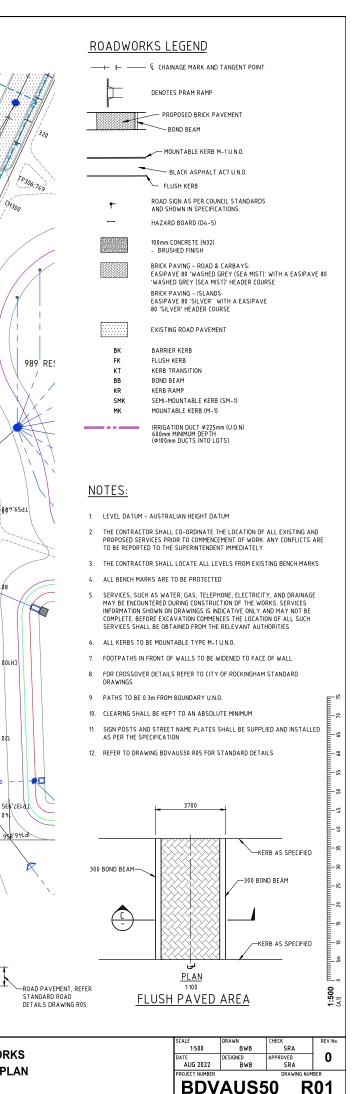




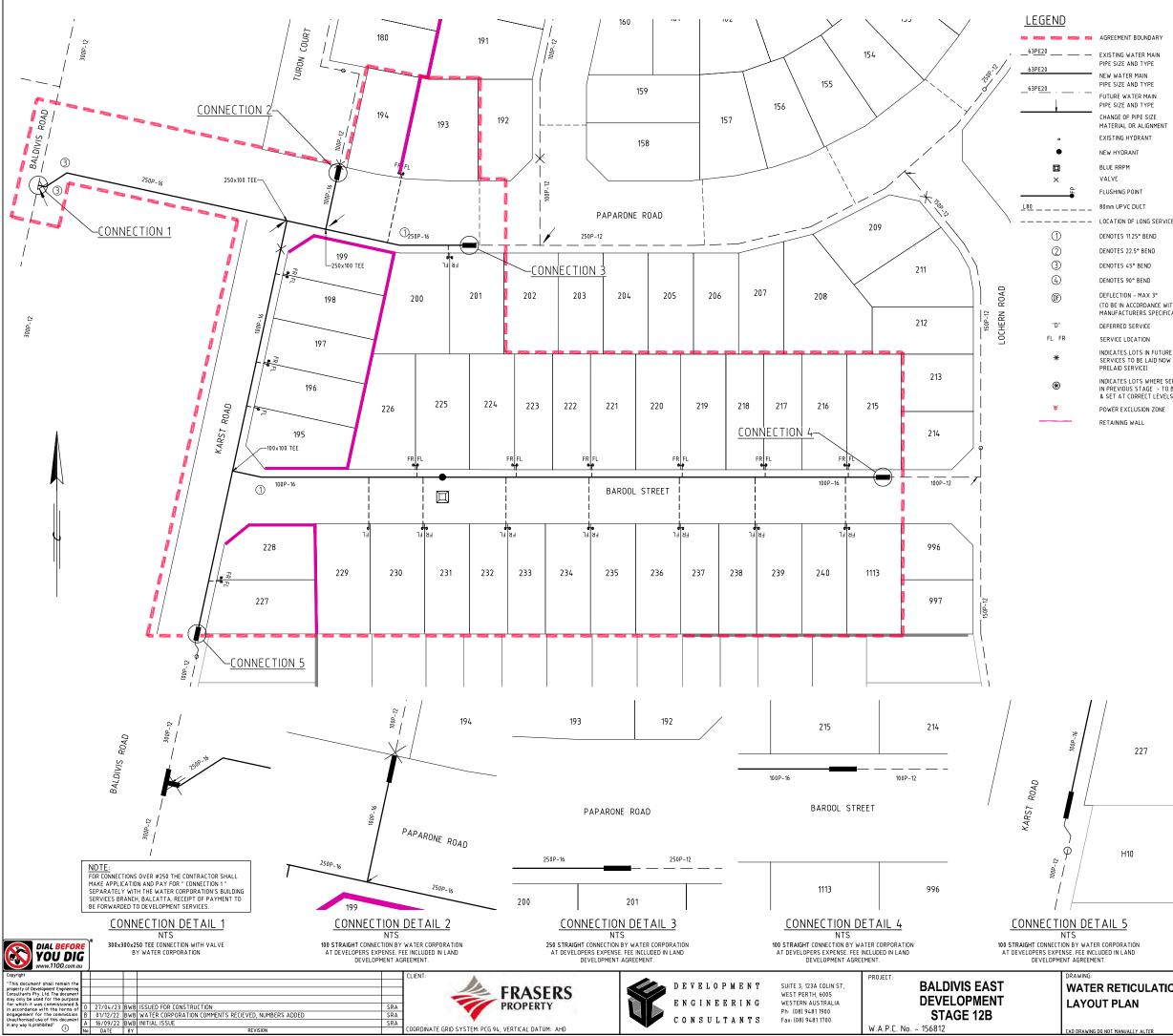


Appendix E Roadworks layout plan





Appendix F Water reticulation plan



- PIPE SIZE AND TYPE
- NEW WATER MAIN PIPE SIZE AND TYPE
- FUTURE WATER MAIN
- PIPE SIZE AND TYPE
- CHANGE OF PIPE SIZE
- MATERIAL OR ALIGNMENT
- EXISTING HYDRANT
- NEW HYDRANT
- BLUE RRPM
- FLUSHING POINT
- 80mm UPVC DUCT
- DENOTES 11.25° BEND
- DENOTES 22.5° BEND
- DENOTES 45° BEND
- DENOTES 90° BEND
- DEFLECTION MAX 3° (ΤΟ ΒΕ ΙΝ ΔΓΓΩΡΟΔΝΓΕ WITH MANUFACTURERS SPECIFICATIONS)
- DEFERRED SERVICE
- SERVICE LOCATION
- INDICATES LOTS IN FUTURE STAGE BUT SERVICES TO BE LAID NOW (FULLY PRELAID SERVICE)
- INDICATES LOTS WHERE SERVICES LAID IN PREVIOUS STAGE TO BE LOCATED & SET AT CORRECT LEVELS FOR F.T.I.
- POWER EXCLUSION ZONE

227

H10

RETAINING WALL

1. ALL PIPES. VALVES AND FITTINGS SHALL BE IN ACCORDANCE WITH THE ALL PIPES, VALVES AND FINDS STANLADE DE IN ALCONDANCE WATER CORPORATION'S 'DESIGN STANDARDS DS63' WATER RETICULATION STANDARD, TABLE 3.1 "STANDARD WATER RETICULATION SYSTEM REQUIREMENTS".

GENERAL NOTES

- THE DIFFERENCE IN LEVEL BETWEEN THE CROWN OF THE PIPE AND ADJACENT FINISHED ROAD GUTTER SHALL NOT BE LESS THAN 600mm AND SHALL NOT EXCEED 700mm
- 3. UNLESS OTHERWISE DIRECTED BY THE SUPERINTENDENT, THE DIFFERENCE IN LEVEL BETWEEN THE CROWN OF THE PIPE AND THE FINSHED VERGE LEVEL SHALL BE NOT LESS THAN 600mm AND SHALL NOT EXCEED 800mm
- WHERE PIPES CROSS OR ADJOIN OTHER EXISTING OR PROPOSED SERVICES, THE WATER MAIN SHALL HAVE A CLEARANCE OF 150mm
- UNLESS OTHERWISE SHOWN ON THIS DRAWING OR VARIED BY THE 5 SUPERINTENDENT, ALL PIPES AND FITTINGS SHALL BE LAID ON AN ALIGNMENT OF 2.1m FROM THE CENTRE OF THE PIPE TO THE ROAD RESERVE BOUNDARY
- TEMPORARY DEAD ENDS, INSTALLED IN ACCORDANCE WITH THE SPECIFICATION, SHALL BE PROVIDED ON ALL MAINS AT CONNECTION POINTS TO EXISTING MAINS AND WHERE SPECIFIED
- 7. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE SHOWN
- 8. UNLESS DIMENSIONED OTHERWISE, PE MAINS SHALL EXTEND AT LEAST 6.0m PAST THE LAST LOT SERVED
- 9. ALL VALVES AND HYDRANTS SHALL BE PLACED OPPOSITE BOUNDARY PEGS OR IN THE CENTRE OF LOT FRONTAGES AS SHOWN
- 10. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE STANDARD DETAILS, WATER CORPORATION'S 'DESIGN STANDARDS DS63' AND THE SPECIFICATION
- 11. EXISTING POWER POLES ARE TO BE SUPPORTED DURING LAYING OF THE WATER MAIN, BY WESTERN POWER, AT CONTRACTORS EXPENSE
- 12. ALL LOT CONNECTIONS AT FRONT
- 13. PIPES TO BE DEFLECTED WHERE BEND TYPE NOT SPECIFIED
- 14. CONTRACTOR TO INSTALL 1 x BLUE RRPM ON ROAD (170mm OFFSET FROM CL) OPPOSITE ALL HYDRANTS.
- 15. REFER TO BDVAUS50 V01 FOR TYPICAL SERVICE LAYOUT DETAILS

CONTRACTORS RESPONSIBILITY

IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THE INDICATED POSITIONS FOR PRELAID SERVICES DO NOT CLASH WITH DRAINAGE OR OTHER FACILITIES. PLEASE CONTACT THE SITE SUPERIMENDANT IF AMENDMENTS TO THE PRELAID SERVICE LOCATIONS ARE REQUIRED

SERVICES

L OR R INDICATES THE SIDE OF THE LOT AS VIEWED FROM THE ROAD

<u>۔</u>

- FR OR FL NDICATES THE SIDE OF THE LOT AS VIEWED FROM THE FR OR FL NDICATES LEFT OR RIGHT FULLY PRELAID SERVICE D INDICATES A DEFERRED SERVICE L80 OR R80 INDICATES LEFT OR RIGHT PVC DUCT.

	E
PRELAID SHORT SINGLE SERVICES: 1 PRELAID SHORT DUAL SERVICES: 10 PRELAID LONG SINGLE SERVICES: 1	
PRELAID LONG DUAL SERVICES: 7 DEFERRED SERVICES: 0	
TOTAL NUMBER OF LOTS SERVED- 36	
EXTENSION	
LAY 315.4 METRES OF 100-P16 LAY 123.7 METRES OF 250-P16	
<u>STRUCTURES</u>	, ,
HYDRANTS 1 VALVES 2	
STANDARD DRAWINGS	
AS LISTED IN THE WATER CORPORATION'S 'DESIGN STANDARDS DS63 WATER RETICULATION STANDARD	E
THIS PLAN IS ACCEPTED AS BEING IN ACCORDANCE WITH THE ENDORS PLAN: LR77-100-001-01A	ED CONCEPT
COMPLIANCE WITH THE RELEVANT DESIGN STANDARDS AND MANUAL RESPONSIBILITY OF THE DESIGN ENDINEER. NO WORKS ARE TO COMMENCE ON SITE UNTIL START-UP MEETING REL HAVE BEEN MADE WITH THE RELEVANT ASSET INSPECTOR. REFER TO DEVELOPERS' MANUAL FOR CONTACT DETAILS.	QUIREMENTS
RECIEVED LAND SERVICING:	
PLAN No 0B52-103-001-01A FILE No 141801451	

	PLAN No FILE No 141801451	0B52-1	03-001-01A			
		SCALE DRAWN 1:500 BWB		CHECK SRA	REV N	
		DATE AUG 2022	DESIGNED BWB	APPROVED SRA	0	
PLAN		PROJECT NUMBER		DRAWING NUM	BER	
		BDV	AUS5	50 W	/01	
T MANUALLY ALTER			S:\Aus\BDVAUS50\Dra	wings\BDVAUS50 W01.e	1wg 27/04/	