Our Ref: A23.122-RPT-BMPC Stage9 1 FINAL



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Company: QUBE Property Group Enquiries Daniel Panickar

Email: Daniel.p@westenv.com.au

# **Bushfire Management Plan Compliance Certification: Stage 9 Apsley Estate, Mandogalup**

#### **Document Purpose**

Western Environmental Approvals Pty Ltd (WEPL) has prepared this Bushfire Management Plan (BMP) compliance report for Stage 9 of Apsley Estate, Mandogalup (the subject site; Figure 1). Lots within Stage 9 are subject to Western Australian Planning Commission (WAPC) subdivision approval WAPC Ref. 155567.

This report provides a post-subdivisional works compliance assessment of bushfire management measures required to clear Condition 30 of subdivision approval as follows:

30. Information is to be provided to demonstrate that the developer responsibilities contained in the approved Bushfire Management Plan have been implemented during subdivision works. Advice: The landowner/applicant is advised that the current plans referred to are: Bushfire Management Plan – Lot 682 Rowley Road, Mandogalup prepared by Strategen Environmental dated November 2017.

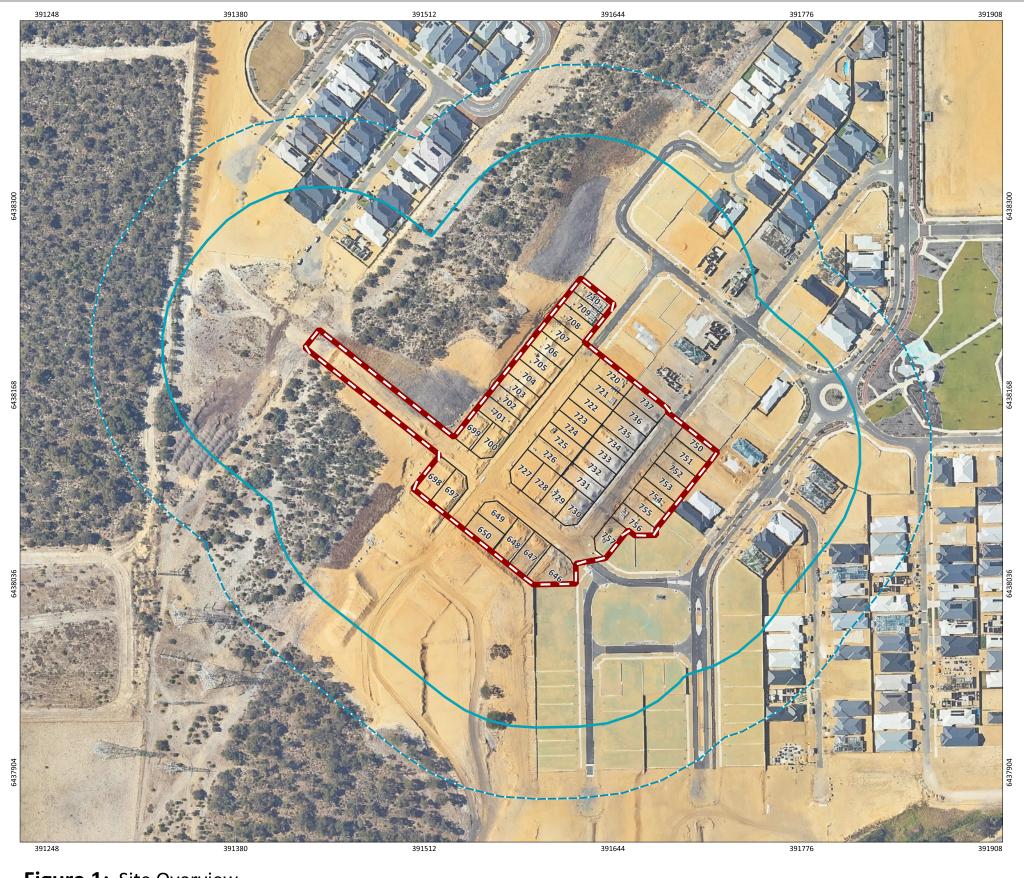
The approach for preparation of this BMP compliance report is consistent with Section 4.2 of the *Guidelines* for Planning in Bushfire Prone Areas v 1.4 (the Guidelines; WAPC 2021).

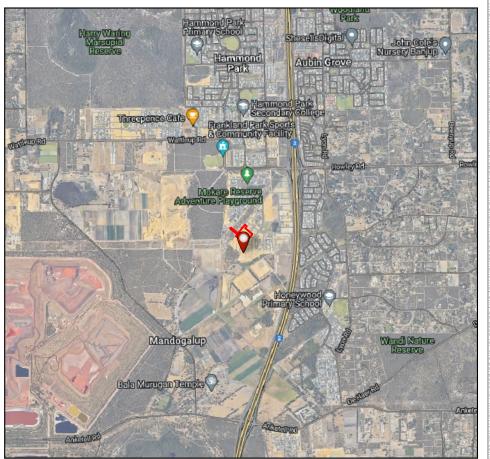
#### **Compliance Assessment**

Strategen (2017) includes 17 bushfire management measures that are required to ensure the proposed development will comply with the bushfire protection criteria in the Guidelines. A bushfire risk assessment and compliance assessment were undertaken to determine if the relevant bushfire management measures documented in the endorsed BMP have been implemented (Table 1).

Some of the management measures in Strategen (2017) are difficult to assess compliance against due to the way they are written. In addition, some subdivisional works were still being completed at the time of assessment. Based on our assessment however, WEPL can confirm that the relevant bushfire management measures detailed in the endorsed BMP have been implemented as intended, or have been progressed to a point that they are likely to be compliant, once completed.







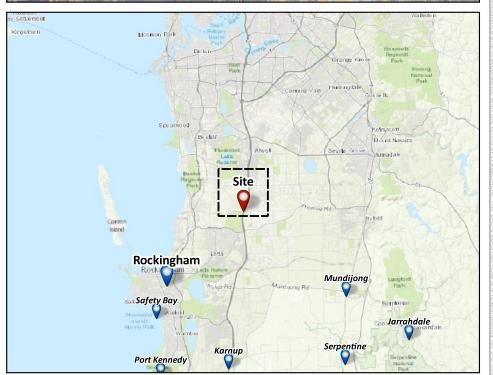


Figure 1: Site Overview

0 39	78 117	156 m	Bushfire Attack Level Report Stage 9 Apsley Estate, Mandogalup	
scale 1:2,644	A3 COLOUR		CLIENT QUBE Property Group	
coordinate reference system GDA2020 / MGA zone 50			PROJECT NUMBER A23.122	version 0
DATA SOURCE  LANDGATE AERIAL IMAGERY Summer	- 2023		DRAWN BY / REVIEWED BY SM/BF	DATE 19/7/2024

egei	iu	
<b>=</b>	Subject Site	

Buffer 100m
Buffer 150m

		5111		,.,
NO	TES:			
Cad	dastral boundar	y (LGATE	-002). Base	map ESRI



Table 1: BMP Compliance Assessment

BMP Ref.	Action	Implementation status	Compliance assessment
<b>1</b> a	Establish and maintain bushfire fuels within all residential lots to achieve exclusion Clause 2.2.3.2 (f) of AS 3959.	All areas of land excluded as non-vegetated areas or low threat vegetation in the BMP were consistent with these exclusions at the time of assessment (refer to Plate 1 and Plate 2 in Appendix A).	Compliant.
1b	Establish and maintain portions of POS to be cleared/excluded as depicted on Figure 4 (of the BMP) in a low threat state to achieve exclusion Clause 2.2.3.2 (f) of AS 3959.	No Public Open Space (POS) areas exist within Stage 9.	Not applicable.
<b>1</b> c	Maintain new road verges in a low threat state to achieve exclusion Clause 2.2.3.2 (f) of AS 3959.	Road verges have been cleared and will be landscaped to achieve the desired exclusion clauses as per the Roadworks layout plan in Appendix B. Refer to Plate 3 in Appendix A which depicts managed road verges in the adjacent stage of Apsley Estate.	Not complete, compliance likely.
1d	Establish and maintain Western Power easement in a low threat state to achieve exclusion Clause 2.2.3.2 (f) of AS 3959.	The Western Power easement is subject to an approved landscaping plan that was developed post approval of the BMP (Strategen, 2017). This incorporates: areas to be maintained as Asset Protection Zones; low threat vegetation and non-vegetated areas; and retained banksia woodland. Retention of vegetation was not contemplated in Strategen (2017), however WEPL are comfortable that with the considered design of the landscaping plan, the intent of BMP action 1d (i.e. no lots in BAL-FZ or BAL-40 areas) will be met.	Not applicable.
1e	Establish and maintain Planning Control Area in a low threat state to achieve exclusion Clause 2.2.3.2 (f) of AS 3959.	The Planning Control Area does not exist within Stage 9.	Not applicable.
<b>1</b> f	Establish and maintain onsite low fuel buffers for development stages to achieve exclusion Clause 2.2.3.2 (f) of AS 3959.	All classifiable vegetation within 100 m of Stage 9 that is within neighbouring stages of Apsley Estate has been removed.	Compliant.

BMP Ref.	Action	Implementation status	Compliance assessment
1g	Implement staged building exclusion for lots adjoining the western, eastern and southwestern boundaries of the project area impacted by BAL-40 or BAL-FZ, as depicted on Figure 4 (of the BMP), based on progress of clearing within Lot 2 to the west, Lot 9033 to the east and balance Lot 682 to the southwest.	Development of lots at direct bushland interfaces have been delayed through staging and do not form part of Stage 9.	Not applicable.
<b>2</b> a	Undertake updated BAL assessment via BAL compliance checks.	Updated BAL assessment is included in Appendix C.	Compliant.
2b	Construct buildings in accordance with AS 3959, either in accordance with this BMP or future reassessment of the BAL to support the building permit stage.	This applies to construction of dwellings and not subdivision clearance.	Not applicable.
<b>3</b> a	Provide and maintain temporary emergency access way as right of way or public access easements in gross with sign posting and any gates unlocked.	The compliant temporary Emergency Access Way (EAW) has been constructed (refer to Plate 4 and Plate 5 in Appendix A and Figure 1).	Compliant.
3b	Construct public roads, cul-de-sacs, battle-axes and emergency access way in accordance with subdivision approval and relevant technical requirements of the Guidelines.	The road network had been constructed at the time of assessment (refer to Plate 6 in Appendix A).	Compliant
<b>3</b> c		Lots within Stage 9 do not require firebreaks as per City of Kwinana Firebreak notice.	Not applicable.
<b>4</b> a	Construct reticulated water supply and network of hydrants in accordance with DA approval and water authority, DFES and City technical requirements.	Water supply and hydrant network had been constructed time of assessment (refer to Plate 7 in Appendix A).	Compliant
5a	Reassess BALs for individual lots.	This applies to construction of dwellings and not subdivision clearance.	Not applicable.

BMP Ref.	Action	Implementation status	Compliance assessment
5b	Place notification on the Certificates of Title of all proposed lots with a BAL rating of 12.5 or above.	Notifications on Titles for lots affected by BAL ratings included in the Deposited Plan in Appendix E.	Compliant.
5c	Comply with the City of Kwinana annual firebreak order.	Lots within Stage 9 are less than 1,499m <sup>2</sup> and do not require firebreaks (refer to Appendix E).	Compliant.
5d	Prepare Bushfire Emergency Evacuation Plans for any vulnerable land uses.	There are no vulnerable land uses within Stage 9.	Not applicable.

#### References

Standards Australia (SA). (2018). Construction of buildings in bushfire-prone areas (AS 3959: 2018).

Strategen. (2017). Bushfire Management Plan: Lot 682 Rowley Road, Mandogalup. Prepared for QUBE Property Group Pty Ltd.

Western Australian Planning Commission (WAPC). (2015). *State Planning Policy 3.7 Planning in Bushfire Prone Areas*. Government of Western Australia.

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

# Appendix A: Photographic Evidence

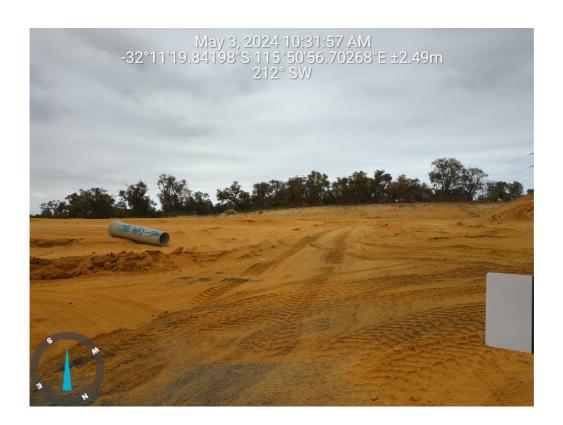


Plate 1: Cleared areas within the subject site and surrounds



Plate 2: Cleared areas and roads within the subject site and surrounds



Plate 3: Developed areas adjacent to the subject site

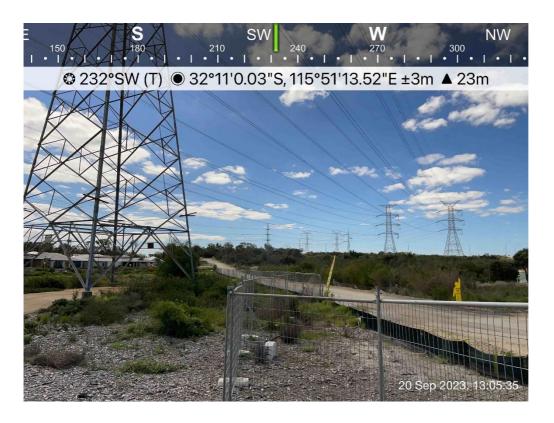


Plate 4: Emergency Access Way



Plate 5: Entrance to Emergency Access Way showing unlocked gates

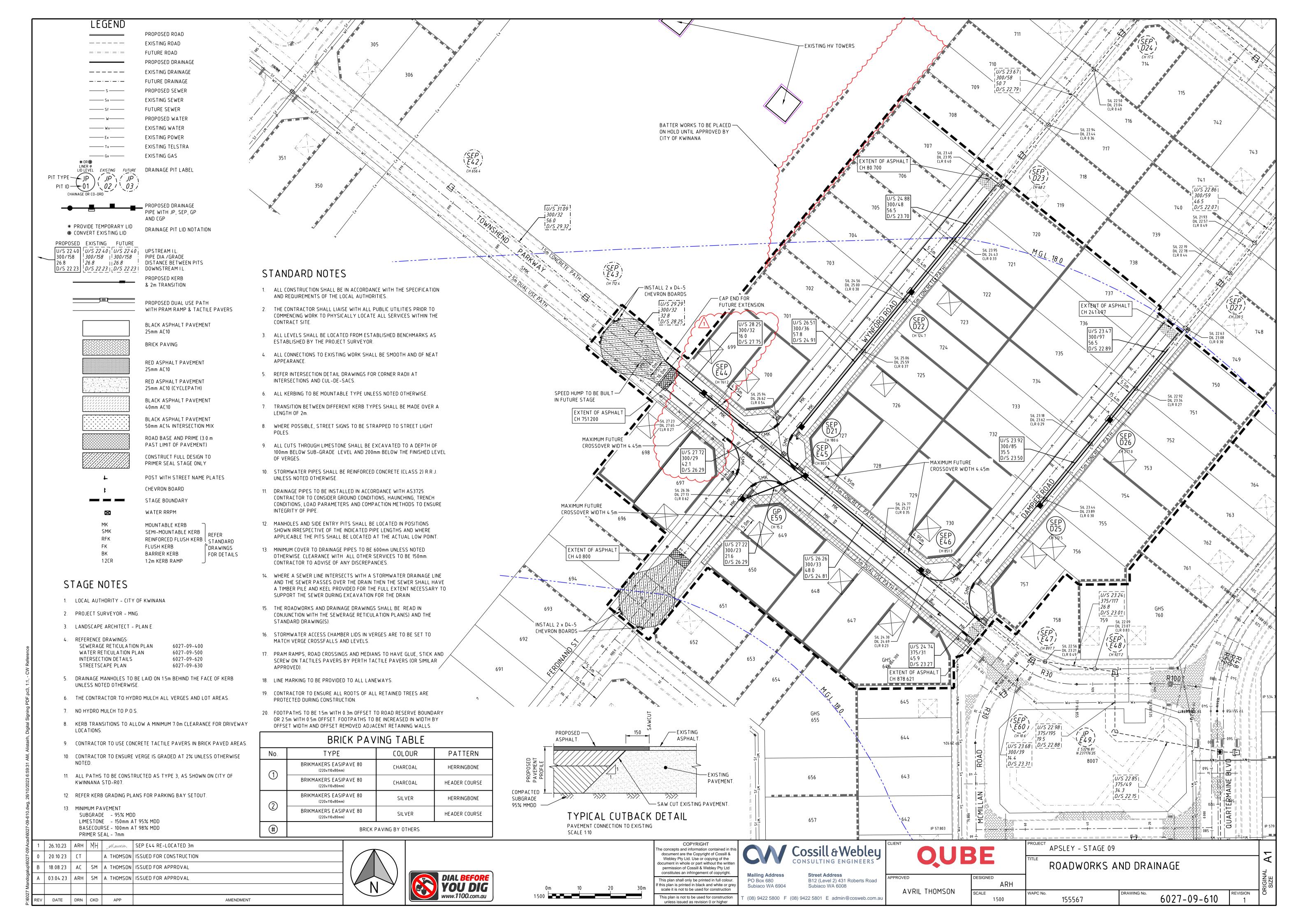


Plate 6: Roads within the subject site



Plate 7: Reticulated water connection throughout Stage 9.

# Appendix B: Roadworks Plan



# Appendix C: Bushfire Attack Level (BAL) Assessment

#### **Updated BAL assessment**

An updated Bushfire Attack Level (BAL) assessment for Stage 9 Apsley Estate has been undertaken for the subject site to assist assessing compliance with the endorsed BMP. The assessment has been undertaken in accordance with *Australian Standard AS 3959: 2018 Construction of Buildings in Bushfire Prone Areas* (AS 3959: 2018; SA 2018) Simplified Procedure (Method 1).

#### Vegetation Classification Assessment

All vegetation within 100 m of Stage 9 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 in Table 2 and presented in Figure 2.

**Table 2: Vegetation Classification** 

#### Plot 1 Class D Scrub

#### Photo 1

Trees up to 6 m in height, dominated by Banksia species. The vegetation structure is multi-tiered, with foliage cover exceeding 30%.

The slope under this vegetation was assessed to be upslope / flat land.



#### Plot 1 Class D Scrub

#### Photo 2

Trees up to 6 m in height, dominated by Banksia species. The vegetation structure is multi-tiered, with foliage cover exceeding 30%.

The slope under this vegetation was assessed to be upslope / flat land.



#### Plot 1 Class D Scrub

#### Photo 3

Trees up to 6 m in height, dominated by Banksia species. The vegetation structure is multi-tiered, with foliage cover exceeding 30%.

The slope under this vegetation was assessed to be upslope/flat land.



Plot 1 Class D Scrub

#### Photo 4

Trees up to 6 m in height, dominated by Banksia species. The vegetation structure is multi-tiered, with foliage cover exceeding 30%.

The slope under this vegetation was assessed to be upslope/flat land.



Plot 1 Class D Scrub

## Photo 5 (shows vegetation to the west of the photo point)

Trees up to 6 m in height, dominated by Banksia species. The vegetation structure is multi-tiered, with foliage cover exceeding 30%.

The slope under this vegetation was assessed to be upslope/flat land.



Plot 2 Excluded - clause 2.2.3.2 (f)

#### Photo 6

This is land within Apsley Estate which has previously been cleared for development. There is some vegetation present in the form of grasses and herbs, however the density of the vegetation within this plot is highly unlikely to support the spread of a bushfire.

This land is due to be developed.



#### Plot 2

#### Excluded - clause 2.2.3.2 (f)

#### Photo 7

This is land within Apsley Estate which has previously been cleared for development. There is some vegetation present in the form of grasses and herbs, however the density of the vegetation within this plot is highly unlikely to support the spread of a bushfire.

This land is due to be developed.



#### Plot 2

Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 8

Area east of the subject site which has been cleared and is being developed. These areas consist of roads, dwellings, buildings materials and other infrastructure.



Plot 2

Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 9

Low-threat vegetation in the form of parkland and public gardens. This vegetation is maintained regularly and the area is fully reticulated.



#### Plot 2

#### Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 10

Cleared areas which are completely devoid of vegetation adjacent to the subject site.



#### Plot 2

Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 11

Areas which are devoid of vegetation in the area surrounding the subject site.



Plot 2

Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 12

Cleared areas and roads in other stages of the Estate which fall within 150 m of the subject site.



#### Plot 2

#### Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 13

Cleared areas adjacent to the subject site with some retained trees. The trees constitute low-threat vegetation.



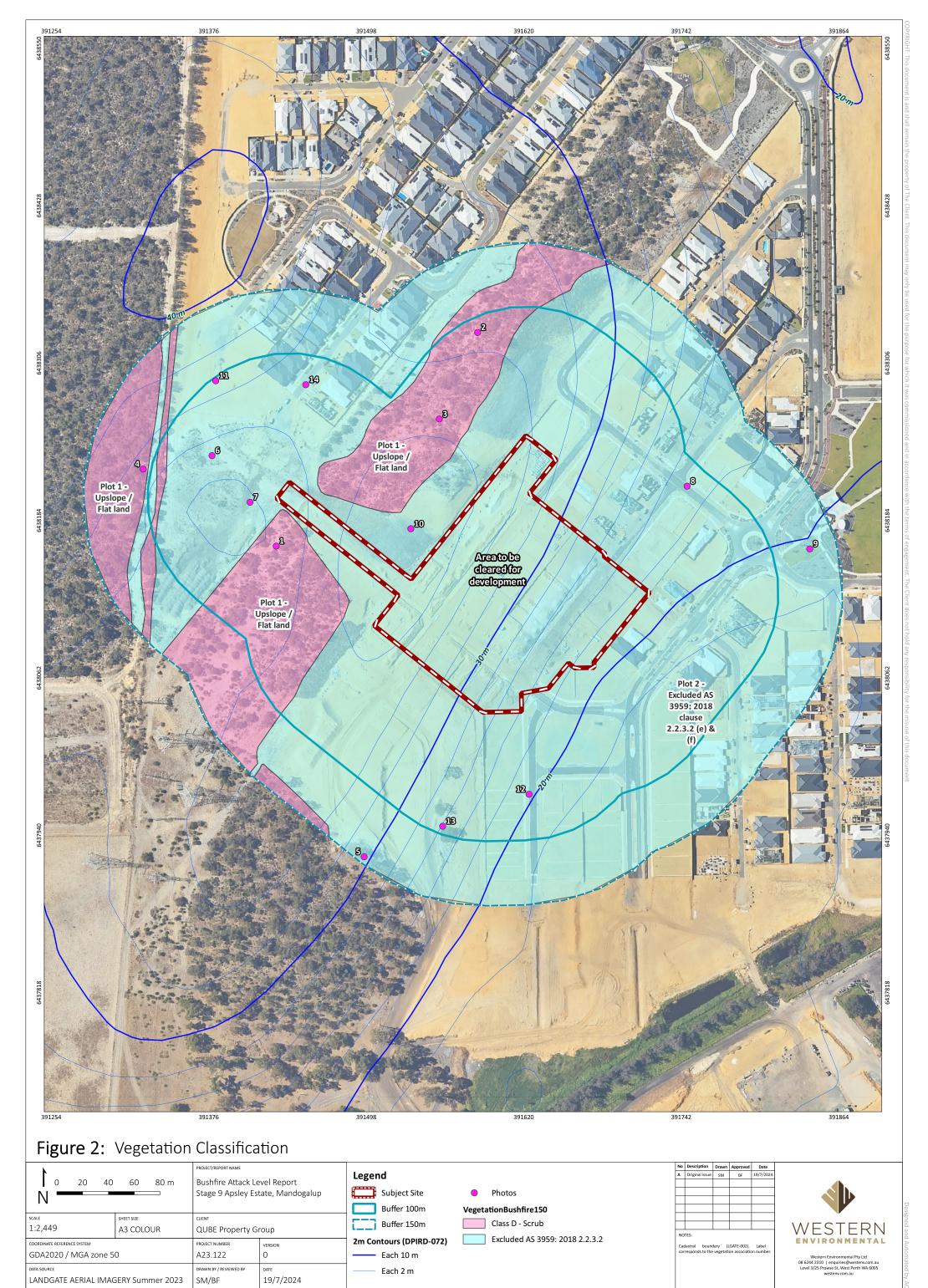
#### Plot 2

#### Excluded - clause 2.2.3.2 (e) & (f)

#### Photo 14

Surrounding areas which have been developed and contain residential dwellings along with associated infrastructure and maintained gardens.





#### Relevant Fire Danger Index

The Fire Danger Index for this site has been determined in accordance with Table 2.1 of AS 3959: 2018 and is presented in Table 3.

**Table 3: Fire Danger Index (FDI)** 

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 in Table 4.

Table 4: Method 1 BAL Calculation (BAL Contours)

Plot	Vegetation classification	Effective clans	Separation distances required (m)				
		Effective slope	BAL-FZ	BAL-40	BAL-29	BAL-19	BAL-12.5
1	Class D Scrub	All upslopes and flat land (0 degrees)	<10	10-<13	13-<19	19-<27	27-<100
3	Excluded - clause 2.2.3.2 (e) & (f)	-	No separation distances required - BAL-LC		ed - BAL-LO	W	

#### 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 Figure 3 and Table 5.

**Table 5: BAL Assessment Summary** 

Affected lot	BAL Rating	Construction sections to be consulted in AS 3959: 2018
646	BAL-LOW	3 and 4
647	BAL-LOW	3 and 4
648	BAL-12.5*	3 and 5
649	BAL-12.5	3 and 5
650	BAL-12.5	3 and 5
697	BAL-12.5	3 and 5

Affected lot	BAL Rating	Construction sections to be consulted in AS 3959: 2018
698	BAL-19*	3 and 6
699	BAL-12.5	3 and 5
700	BAL-12.5	3 and 5
701	BAL-12.5	3 and 5
702	BAL-12.5	3 and 5
703	BAL-12.5	3 and 5
704	BAL-12.5	3 and 5
705	BAL-12.5	3 and 5
706	BAL-12.5	3 and 5
707	BAL-12.5	3 and 5
708	BAL-12.5	3 and 5
709	BAL-12.5	3 and 5
710	BAL-12.5	3 and 5
720	BAL-12.5	3 and 5
721	BAL-12.5	3 and 5
722	BAL-12.5	3 and 5
723	BAL-12.5	3 and 5
724	BAL-12.5	3 and 5
725	BAL-12.5	3 and 5
726	BAL-12.5	3 and 5
727	BAL-12.5	3 and 5
728	BAL-12.5*	3 and 5

Affected lot	BAL Rating	Construction sections to be consulted in AS 3959: 2018
729	BAL-LOW	3 and 4
730	BAL-LOW	3 and 4
731	BAL-LOW	3 and 4
732	BAL-LOW	3 and 4
733	BAL-LOW	3 and 4
734	BAL-LOW	3 and 4
735	BAL-LOW	3 and 4
736	BAL-LOW	3 and 4
737	BAL-LOW	3 and 4
750	BAL-LOW	3 and 4
751	BAL-LOW	3 and 4
752	BAL-LOW	3 and 4
753	BAL-LOW	3 and 4
754	BAL-LOW	3 and 4
755	BAL-LOW	3 and 4
756	BAL-LOW	3 and 4
757	BAL-LOW	3 and 4

<sup>\*</sup>Indicates that the BAL rating for a future dwelling can be reduced through an appropriate setback.

BAL-19

BAL-12.5 BAL-LOW

LANDGATE AERIAL IMAGERY Summer 2023

COORDINATE REFERENCE SYSTEM

GDA2020 / MGA zone 50

PROJECT NUMBER

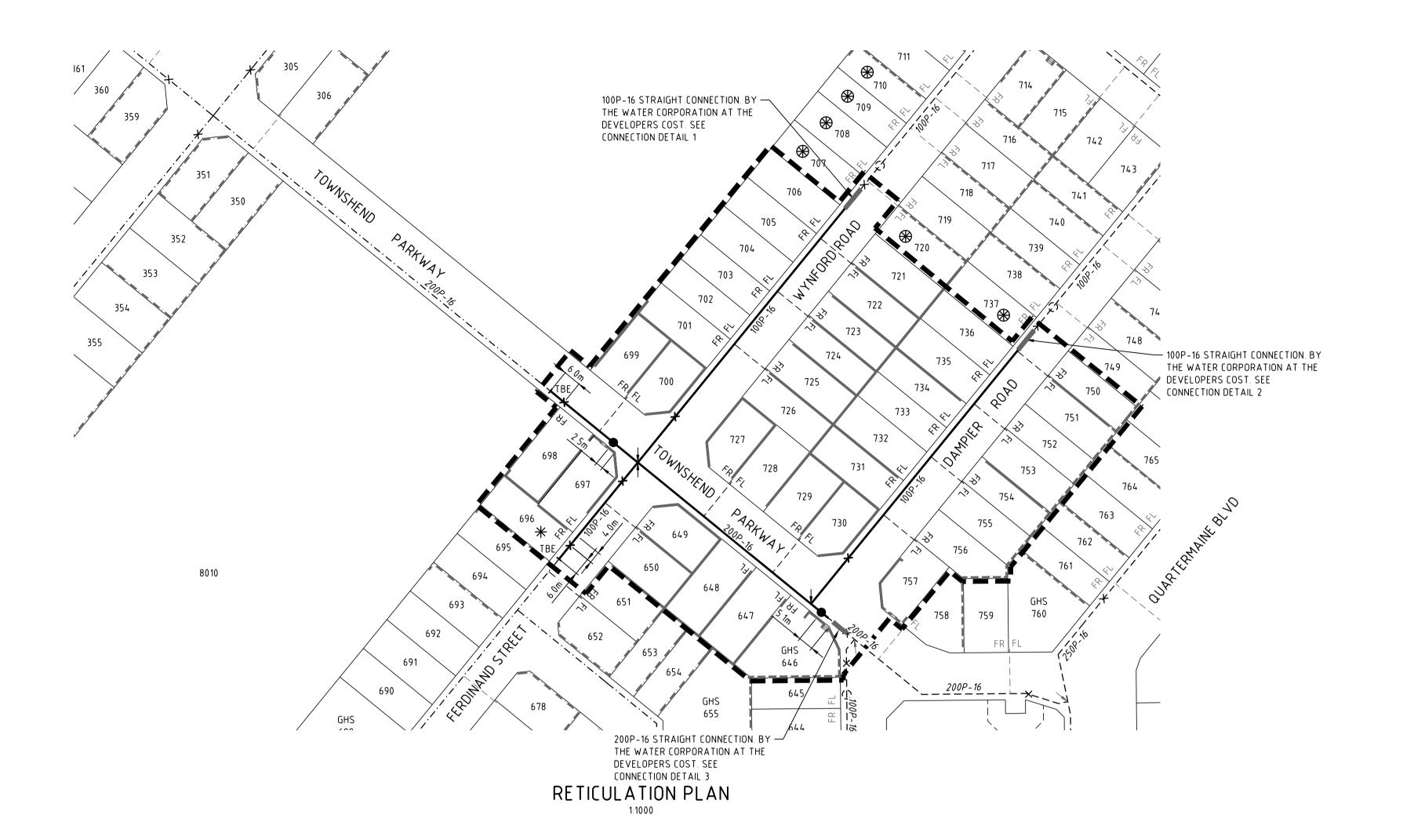
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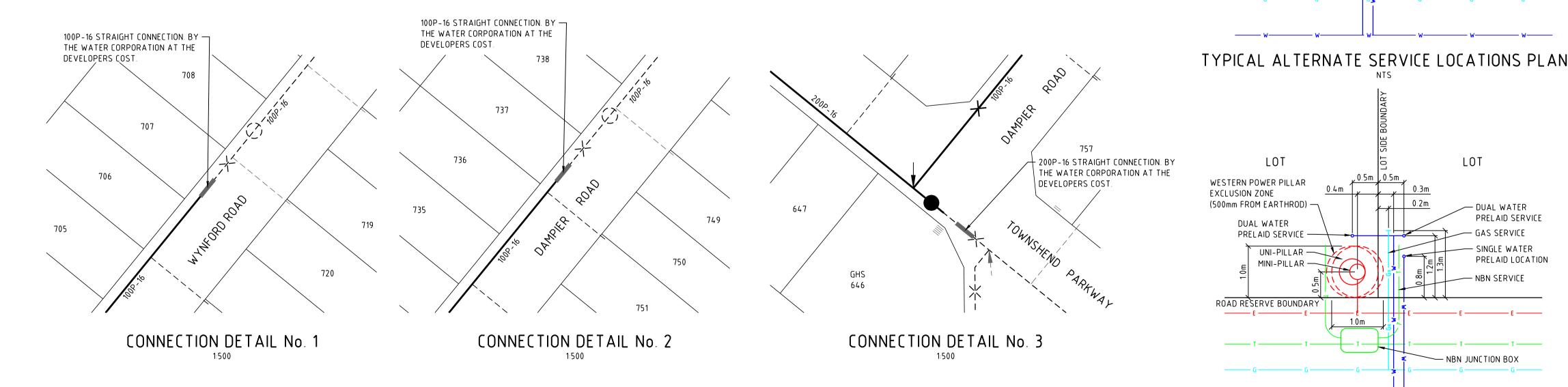
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# Appendix D: Water Reticulation Plan





#### LEGEND DESCRIPTION SYMBOL RETICULATION AREA BOUNDARY \_\_\_\_ PROPOSED MAINS PROPOSED VALVE (No. = 5) PROPOSED HYDRANT (No. = 2) PROPOSED PRELAID LONG SERVICE -----CHANGE IN PIPE SIZE FLUSHING POINT (No. = 0) TEMPORARY BLANK END AND FLUSHING POINT (No. = 2) CONNECTION BY WATER CORPORATION (No. = 3) EXISTING MAIN, HYDRANT AND - - √<del>`</del> - <del>×</del> - - -VALVE FUTURE MAIN, HYDRANT AND VALVE -٠-٠٪--٠ FUTURE DISTRIBUTION MAINS PROPOSED RETAINING WALL EXISTING RETAINING WALL -----FUTURE RETAINING WALL DEFERRED SERVICE SERVICE LAID IN THIS STAGE FOR RELEASE IN FUTURE STAGE SERVICE LAID IN PREVIOUS STAGE TO BE RELEASED IN THIS STAGE #1 SERVICE UNDER RETAINING WALL SERVICE IN BELOW GROUND PIT #2 (REFER WC DWG BD62-2-9)

#### SERVICES QTY (No.) PRELAID SHORT DUAL PRELAID LONG DUAL 11 PRELAID SHORT SINGLE PRELAID LONG SINGLE 0 TOTAL 21 TOTAL NUMBER OF LOTS SERVED 40 NUMBER OF DEFERRED SERVICES 0 EXTENSION QTY (m) 100 P-16 271.9 200 P-16 120.4

CONTRACTOR'S RESPONSIBILITY

POSITIONING CONTAINED IN DRG.No. BD62-8-14.

SERVICES

PAIR OF METERS.

CONSULTED IF AMENDMENTS TO FULLY PRE-LAID SERVICES ARE REQUIRED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO CO-ORDINATE THE INSTALLATION OF ALL SERVICES

WESTERN POWER UNDERGROUND POWER CONNECTION PILLARS. THE SUPERINTENDENT SHOULD BE

1. ALL WATER MAINS SHALL BE INSTALLED ON 2.1m ALIGNMENT EXCEPT AS OTHERWISE AGREED.

RETICULATION DESIGN STANDARD DS 63 VERSION 3 REVISION 15, DECEMBER 2021 AND READ IN CONJUNCTION WITH W.C. STANDARD ARRANGEMENT DRG.No.'S BD 62-8-15 AND BD62-8-24

2. FULLY PRE-LAID WATER SERVICES TO BE INSTALLED IN ACCORDANCE WITH W.C. WATER

4. WHERE POSSIBLE LOTS ARE ARRANGED IN PAIRS WITH A DUAL SERVICE PIPE ENTERING THE

5. WHERE SHORT AND LONG SINGLE SERVICES ARE INDICATED THE SERVICE PIPE AND METER

6. FOR A STRAIGHT ROAD RESERVE, SERVICE PIPES SHALL BE ALIGNED AT RIGHT ANGLES TO

7. WHERE THERE IS A BEND IN THE ROAD RESERVE AT THE SIDE BOUNDARY, THE SERVICE PIPE

8. FL AND FR (FULLY PRELAID LEFT & RIGHT) INDICATES THE SIDE OF THE LOT WHEN VIEWED

9. FULLY PRE-LAID WATER SERVICES INSTALLED IN STAIR LANDINGS ARE TO BE INSTALLED IN

SHOULD, IF POSSIBLE, BE LOCATED AT THE LEFT HAND SIDE BOUNDARY OF LOTS.

FRONT BOUNDARIES, RATHER THAN TO THE SUPPLY WATER MAINS.

SHALL BE POSITIONED PARALLEL TO THE LINE BISECTING THE ANGLE.

FROM THE ROAD FRONTAGE WHICH IS SELECTED FOR ITS METER LOCATION.

ACCORDANCE WITH STANDARD WATER CORPORATION DRG.No. BD62-2-9.

RIGHT HAND SIDE OF THE PAIR OF LOTS AND SPLITTING LEFT AND RIGHT TO SUPPLY EACH

3. WATER SERVICE LOCATIONS SHALL BE IN ACCORDANCE WITH THE GUIDELINES FOR

WITHIN THE SUBDIVISION. THE CONSULTANT SHOULD ENSURE THAT THERE IS NO CONFLICT BETWEEN THE POSITIONING OF FULLY PRE-LAID WATER SERVICES WITHIN THE LOT AND AND

### LOT - DUAL WATER PRELAID SERVICE DUAL WATER — PRELAID SERVICE - WESTERN POWER PILLAR EXCLUSION ZONE GAS SERVICE — (500mm FROM EARTHROD) SINGLE WATER -UNI-PILLAR PRELAID LOCATION E MINI-PILLAR , ROAD RESERVE BOUNDARY 1.0 m NBN JUNCTION BOX -

LOT

- DUAL WATER

- GAS SERVICE

- NBN JUNCTION BOX

- SINGLE WATER

PRELAID LOCATION

PRELAID SERVICE

0.2m

1.0 m

TYPICAL SERVICE LOCATIONS PLAN

## NOTICE TO CONTRACTOR

IT IS THE CONTRACTORS RESPONSIBILITY TO INVESTIGATE THE NATURE AND LOCATION OF ALL SERVICES WHICH MAY BE ENCOUNTERED AND TO CONSULT WITH THE RELEVANT SERVICE AUTHORITIES PRIOR TO COMMENCEMENT OF EXCAVATIONS, FAILURE TO DO SO OR TO TAKE DUE CARE SHALL NOT LIMIT THE CONTRACTORS LIABILITY FOR REPAIR OF ALL SERVICES DAMAGED BY HIM DURING CONSTRUCTION WORKS THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY FOR THE PROTECTION OF ALL EXISTING SERVICES.

#### MSWA RETICULATION SUBMISSION

This plan is accepted as being in accordance with the endorsed Concept Plan: MW06-200-001-01B

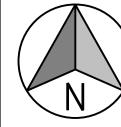
Compliance with relevant design standards and manuals remains the responsibility of the Design Engineer.

No works are to commence on site until start-up meeting requirements have been made with the relevant Asset Inspector. Refer to the Developers' Manual for contact details.

OE62-103-001-01A

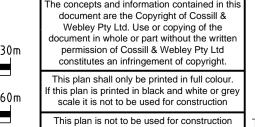
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alup\6	В	04.04.23	ΥH	SM	A. THOMSON	ISSUED FOR APPROVAL	
٠,١	С	20.04.23	ΥH	SM	A. THOMSON	ISSUED FOR WATER CORPORATION APPROVAL	/
09\Aca	0	20.10.23	СТ	-	Shawsan	ISSUED FOR CONSTRUCTION	
cad\6027							









Cossill & Webleu **CONSULTING ENGINEERS Street Address** PO Box 680 B12 (Level 2) 431 Roberts Road Subiaco WA 6904 Subiaco WA 6008

(08) 9422 5800 F (08) 9422 5801 E admin@cosweb.com.au

LOT

DUAL WATER

PRELAID SERVICE

ROAD RESERVE BOUNDARY

UNI-PILLAR -

MINI-PILLAR —

y	CLIENT	QU	BE
4	APPROVED		DESIGNED

)		1100201	APSLEY - STAGE 09
		TITLE	WATER RETICULAT
	DESIGNED		

AS SHOWN

TION PLAN 6027-09-500 155567

# Appendix E: Deposited Plan

Plan Information		
Tenure Type	Freehold	
Plan Type	Deposited Plan	
Plan Purpose	Subdivision	
Plan Heading		
Lots 646-650, 697-710, 72 and Restrictive Covenant	20-737, 750-757, 9016, 9	9017, Roads, Easements
Locality & Local Go		
Locality	Mandogalup	
Local Government	City of Kwinana	
Department of Plant	ning, Lands and He	eritage
File Number		
	ı	
Examination		
Examined  Planning Approval		Date
Planning Authority	Western Australia	an Planning Commission
Reference	155567	
	'	
Delegated under S. 16 P.	&D Act 2005	Date
		ı
In Order For Dealing	js	
In Order For Dealing Subject To	gs	

NOTE Z - The dimen	ons and position of this Easement are based on accurate
surveyed alignments	

SUCCESS 6964

96755dp-222e

info @ mngsurvey.com.au

6436 1599 6436 1500

**Survey Details** 

Declared as Special Survey

**Approved Variation Type** 

I, Nigel J. SIMPSON

(a) survey; and

FINAL

Name

Address

Phone

Email

Reference

Fax

Reg. 26A (4)

Date

Licensed Surveyor

**Survey Organisation** 

142336

Survey carried out under Reg. 26A Special Survey Area Guildelines. See survey sheet(s) to determine the true final position and type of all survey marks placed for

hereby certify that this plan is accurate and is a correct representation of the -

(b) calculations from measurements recorded in the field records, undertaken for the purposes of this plan and that it complies with the relevant

Reference

Date

MNG MCMULLEN NOLAN GROUP

Yes

**Survey Method Regulatory Statement** 

**Survey Method and Plan Content Variations** 

Survey Certificate - Regulation 54

written law(s) in relation to which it is lodged.

Field Records

Area

this plan.

#### Amendments

Version	Lodgement Type Amendment Description		Authorised By	Date

#### **Former Tenure**

New Lot / Land	Parent Plan Number	Parent Lot Number	Title Reference	Subject Land Description
646-650, 697-707, 720-737, 750-757 & 9017	DP 426328	PT LOT 9015	4044/897	
708-710	DP 423206	LOT 9507	4037/671	
9016	DP 423206	PT LOT 9013	4037/669	

#### **Former Tenure Interests and Notifications**

Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
(A),(A)1	EASEMENT		DOC C10720	LOT 9017	STATE ENERGY COMMISSION OF WESTERN AUSTRALIA	SEE 'Z' NOTE
	EASEMENT		DOC G402223	LOT 9016	ELECTRICITY NETWORK CORPORATION	as modified on Doc
©	EASEMENT	SEC 195 & 196 OF THE LAA 1997	DOC 0172410	LOT 9017	CITY OF KWINANA AND THE PUBLIC AT LARGE	PUBLIC ACCESS
(33b)1	EASEMENT (Sewerage)	SEC 167 OF THE P&D ACT 2005 Reg 33(b)	DP 418375	LOT 9017	WATER CORPORATION	
P	EASEMENT	SEC 195 & 196 OF THE LAA 1997	DOC 0807722	LOT 9017	CITY OF KWINANA AND THE PUBLIC AT LARGE	PUBLIC ACCESS
(33b) 2	EASEMENT (Sewerage)	SEC 167 OF THE P&D ACT 2005 Reg 33(b)	DP 421705	LOT 9017	WATER CORPORATION	
$\oplus$	EASEMENT	SEC 195 & 196 OF THE LAA 1997	DOC P204102	LOT 9017	CITY OF KWINANA AND THE PUBLIC AT LARGE	PUBLIC ACCESS
33b 5	EASEMENT (Sewerage)	SEC 167 OF THE P&D ACT 2005 REG 33 (b)	DP 423862	LOT 9017	WATER CORPORATION	
33b 4	EASEMENT (Water Supply)	SEC 167 OF THE P&D ACT 2005 REG 33 (b)	DP 423862	LOT 9017	WATER CORPORATION	
<u>33c</u> 1	EASEMENT (Electricity Supply)	SEC 167 OF THE P&D ACT 2005 REG 33 (c)	DP 423862	LOT 9017	ELECTRICITY NETWORKS CORPORATION	
©	RESTRICTIVE COVENANT	SEC 129BA OF THE TLA 1893	DOC P472803	LOT 9017	ELECTRICITY NETWORKS CORPORATION	FIRE ZONE
(K)	EASEMENT	SEC 195 & 196 OF THE LAA 1997	DOC P472805	LOT 9017	CITY OF KWINANA & PUBLIC AT LARGE	VEHICLE TURNING
(33a), (33a) 1	EASEMENT (Drainage)	SEC 167 OF THE P&D ACT 2005 REG 33 (a)	DP 426328	LOT 9017	CITY OF KWINANA	
33b 10	EASEMENT (Sewerage)	SEC 167 OF THE P&D ACT 2005 REG 33 (b)	DP 426328	LOT 9017	WATER CORPORATION	
0,0	EASEMENT	SEC 195 & 196 OF THE LAA 1997	DOC P783447	LOT 9017	CITY OF KWINANA & PUBLIC AT LARGE	TEMPORARY TUR AROUND
lew Interests	;					
Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
33b 3	EASEMENT (Water Supply)	SEC 167 OF THE P&D ACT 2005 REG 33 (b)	THIS PLAN	LOT 9017	WATER CORPORATION	
(33b)	EASEMENT (Sewerage)	SEC 167 OF THE P&D ACT 2005 REG 33 (b)	THIS PLAN	LOT 9017	WATER CORPORATION	
	RESTRICTIVE COVENANT	SEC 136D OF THE TLA 1893	THIS PLAN & DOC	ALL LOTS EXCEPT LOTS 9016 & 9017	ALL LOTS EXCEPT LOTS 9016 & 9017	
(S)	EASEMENT	SEC 195 & 196 OF THE LAA 1997	DOC	LOTS 9016 & 9017	CITY OF KWINANA & PUBLIC AT LARGE	TEMPORARY TUR AROUND

#### **New Notifications and Memorials**

Subject	Purpose	Statutory Reference	Origin	Land Burdened	Benefit To	Comments
	NOTIFICATION (Factors Affecting Use or Enjoyment of Land)	SEC 70A OF THE TLA 1893	DOC	ALL LOTS EXCEPT LOTS 9016 & 9017		RELATES TO ACCESS VIA THE ESTATE ENTRY AND ROWLEY ROAD
	NOTIFICATION (Factors Affecting Use or Enjoyment of Land)	SEC 70A OF THE TLA 1893	DOC	ALL LOTS EXCEPT LOTS 9016 & 9017		RELATES TO ACCESS VIA ANKETELL ROAD/HOFFMAN ROAD INTERSECTION
	NOTIFICATION	SEC 165 OF THE P&D ACT 2005	DOC	LOTS 648-650, 697-710, 720-728		BUSHFIRE MANAGEMENT PLAN



Plan Approved

Inspector of Plans and Surveys





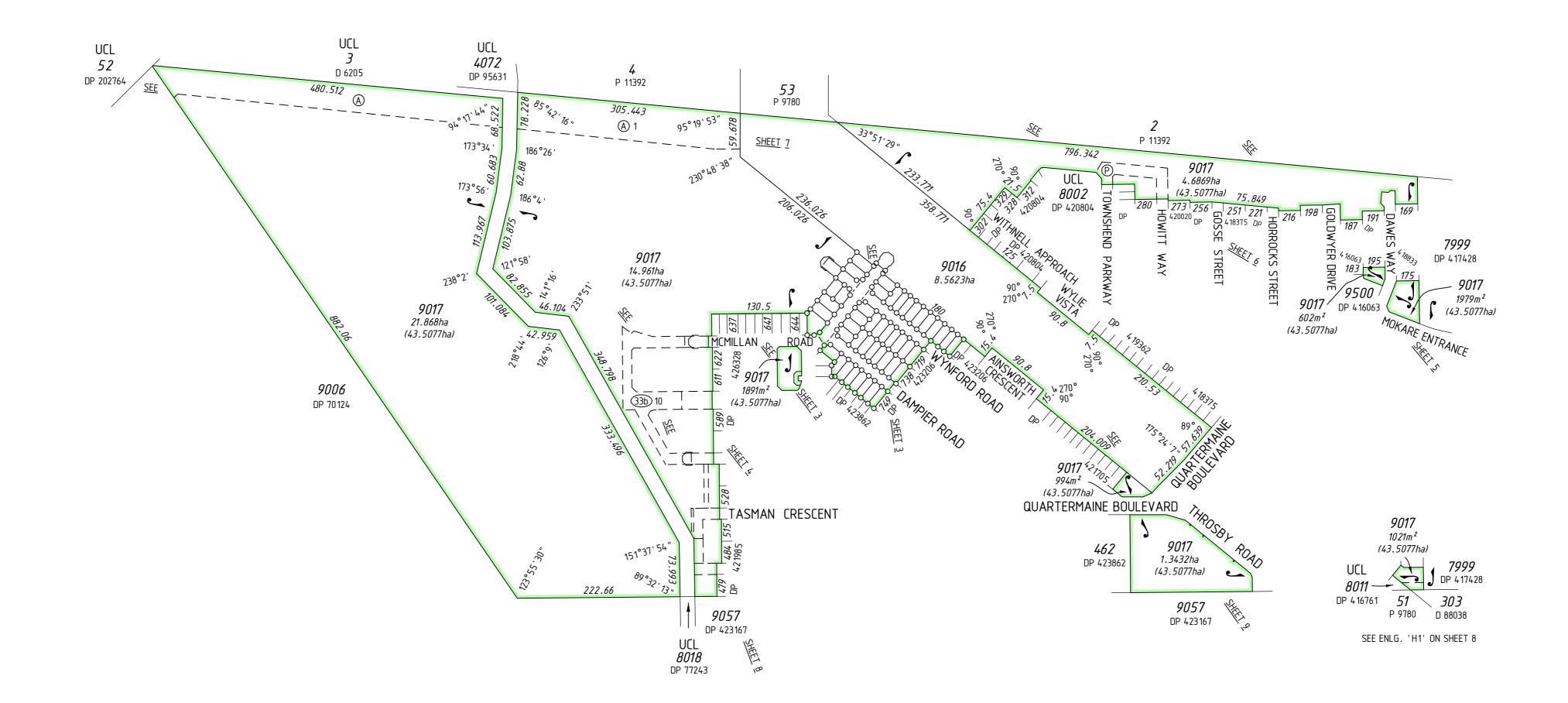


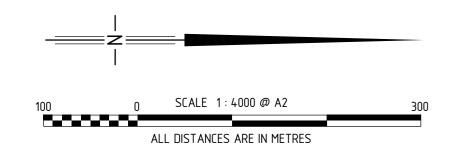
sheet sheets

1 of 9

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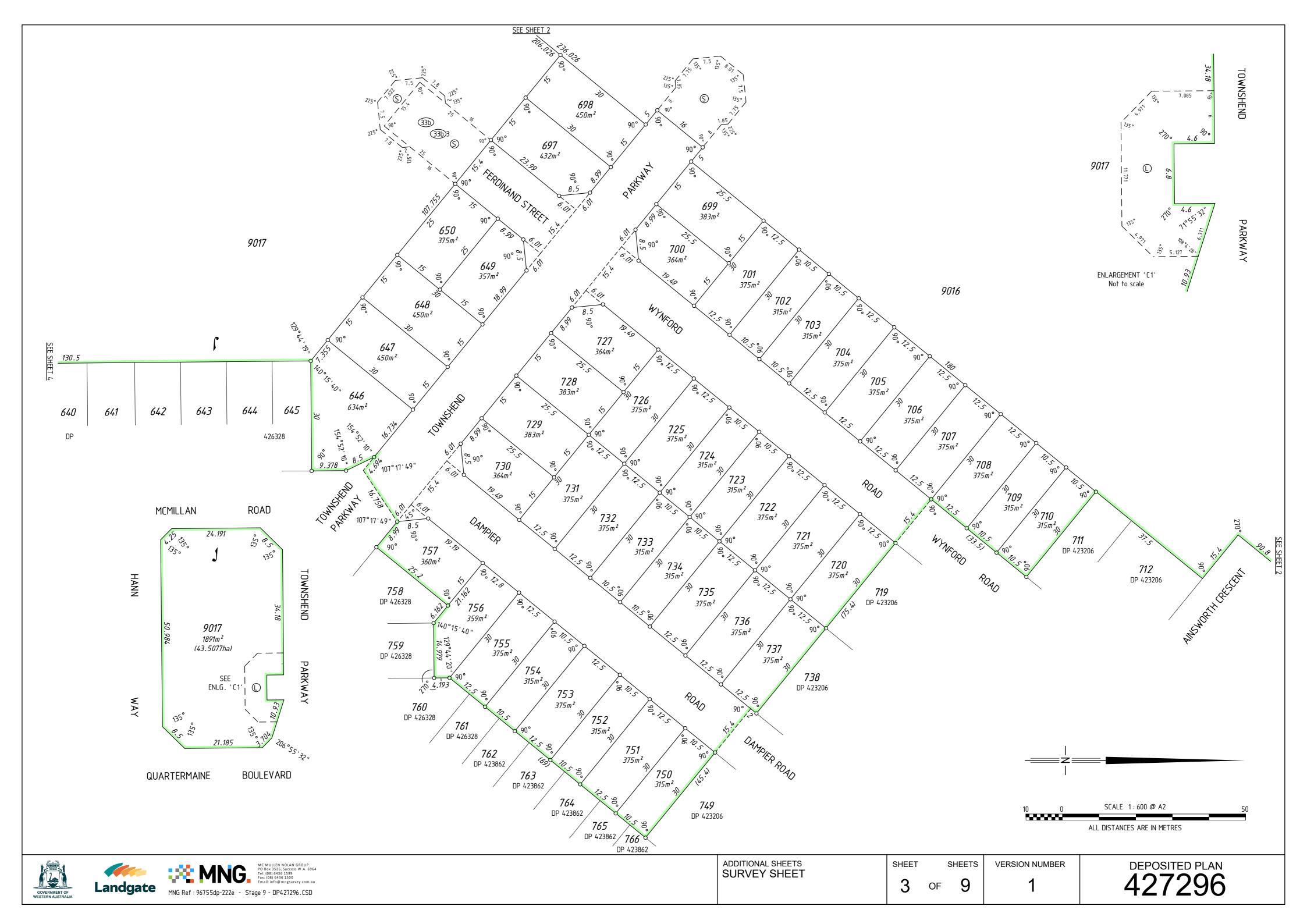


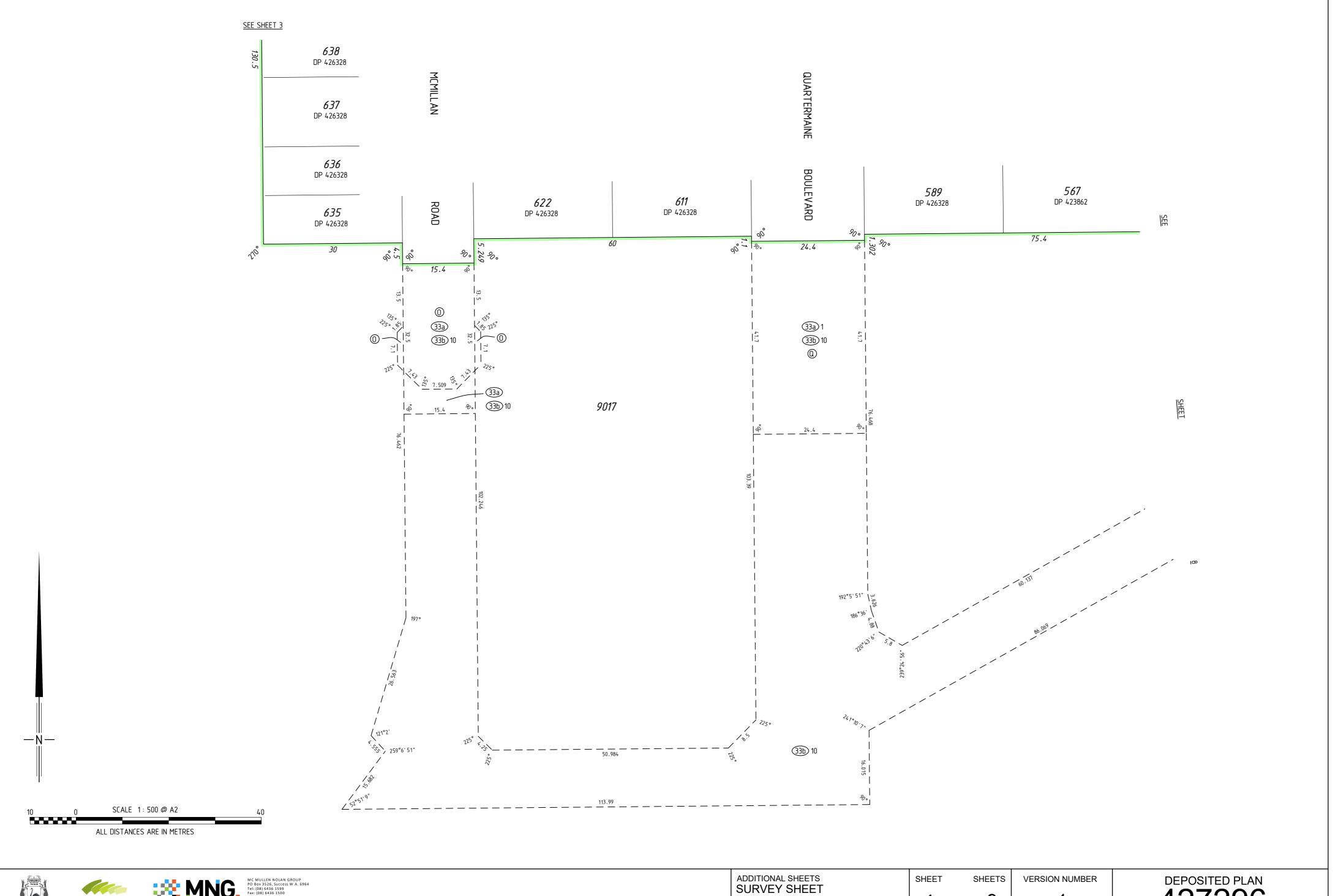






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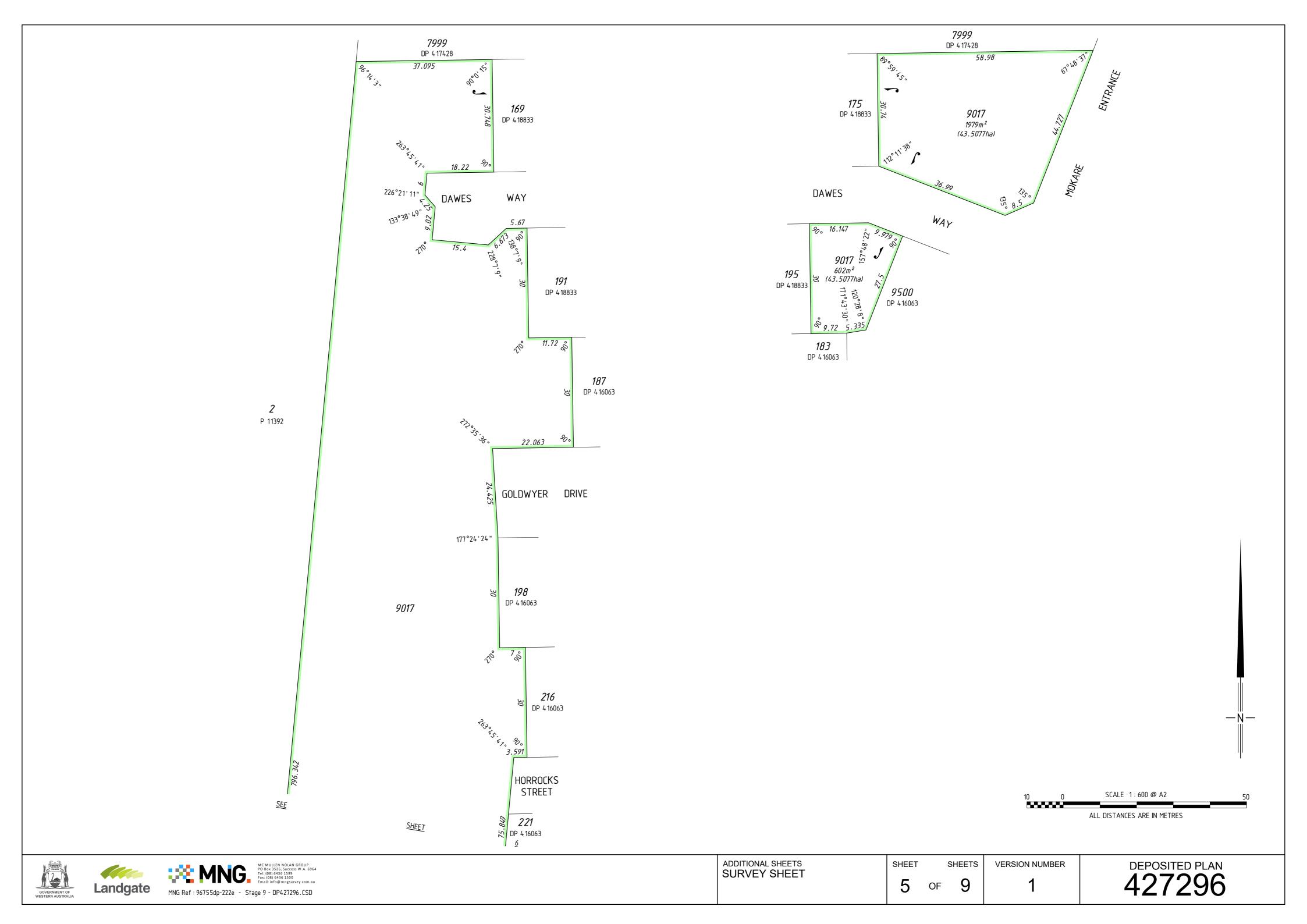


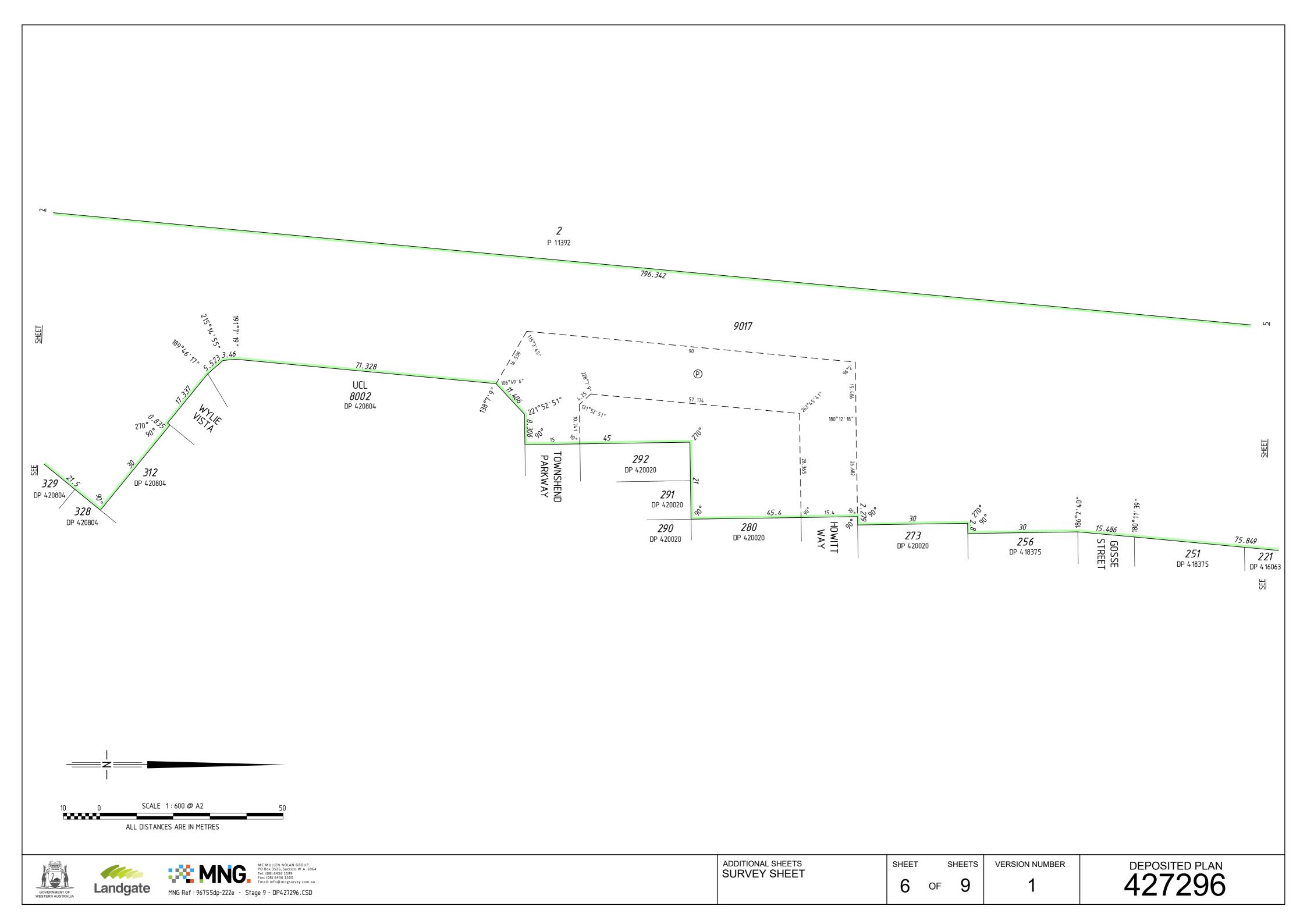


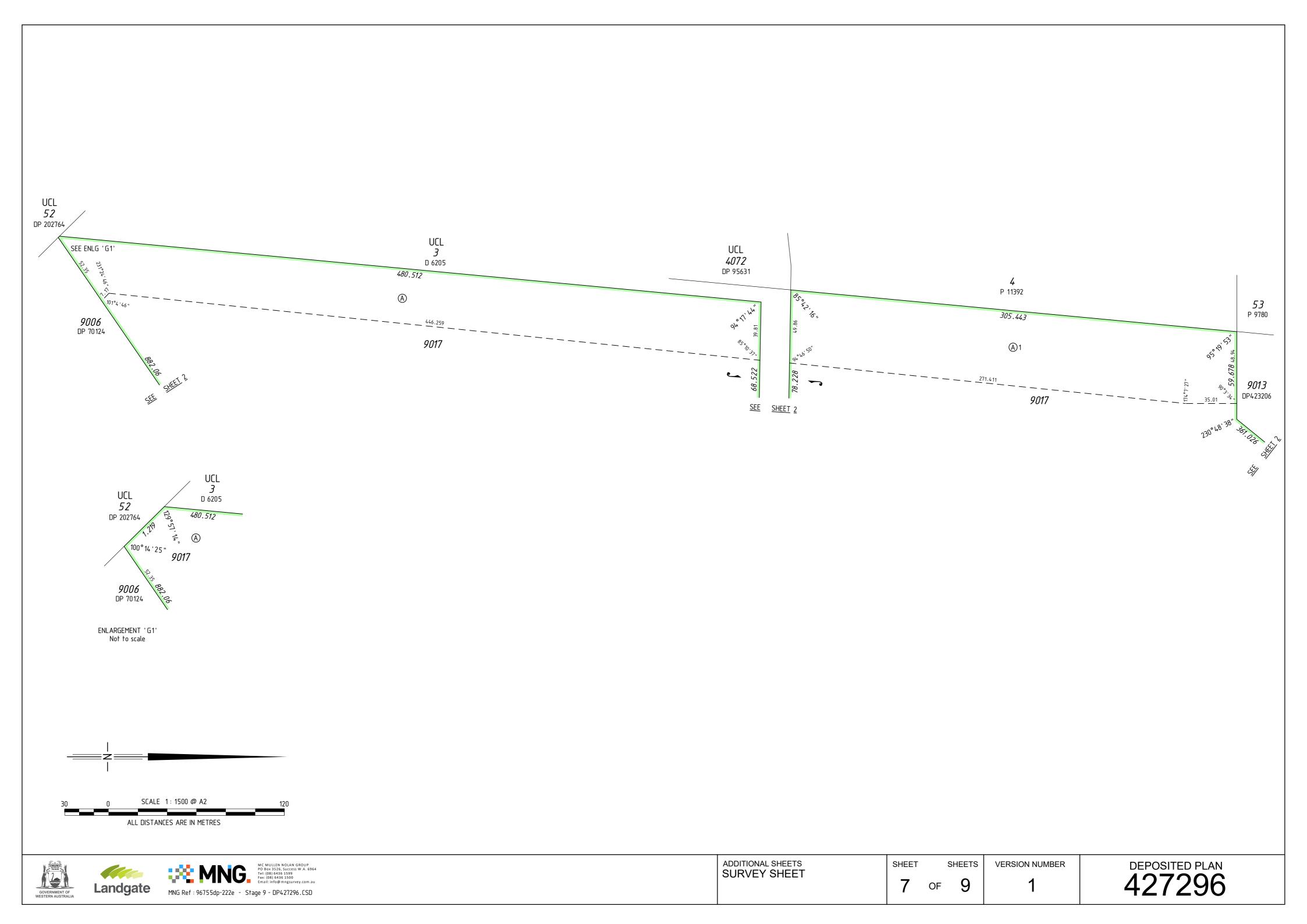


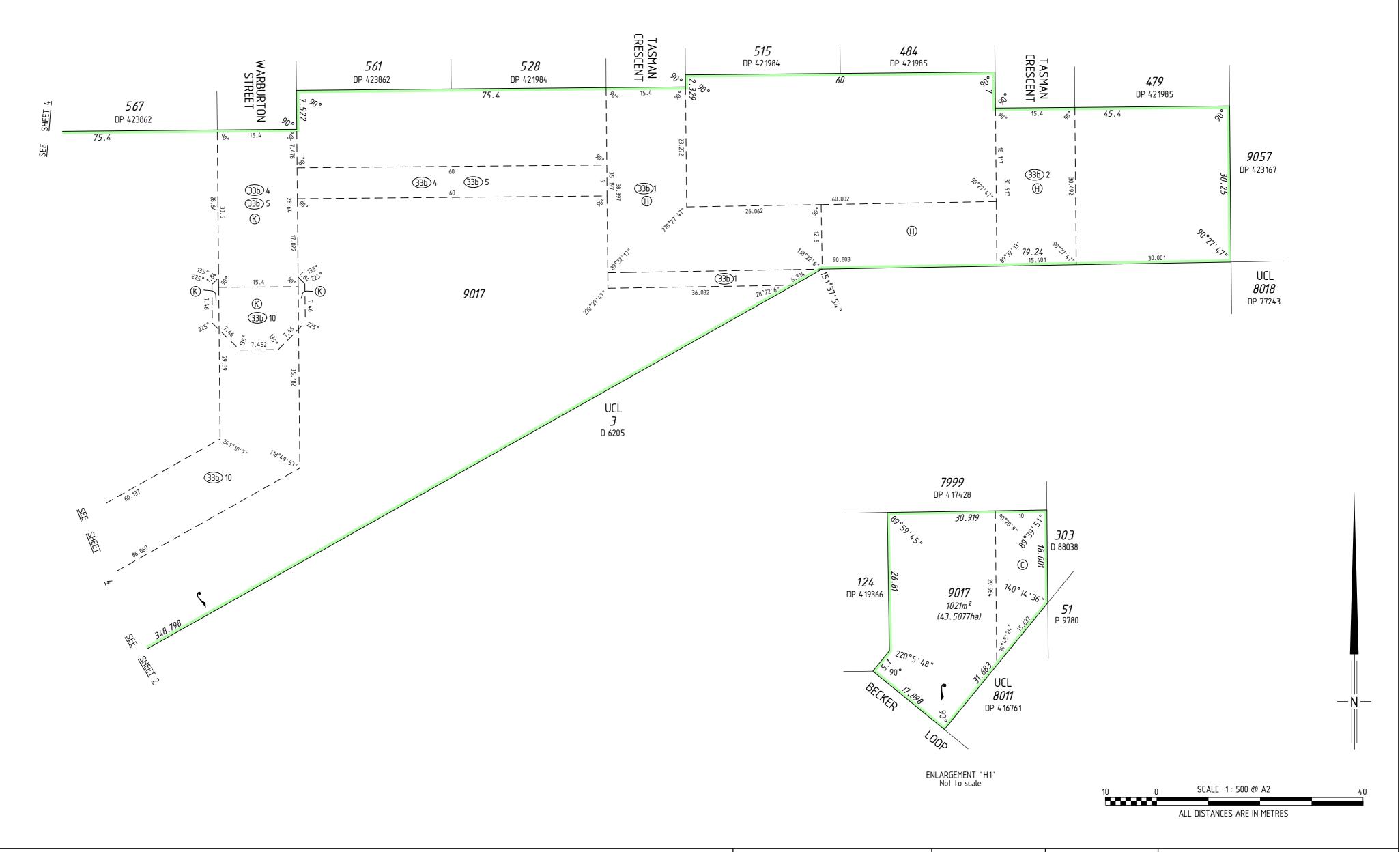
















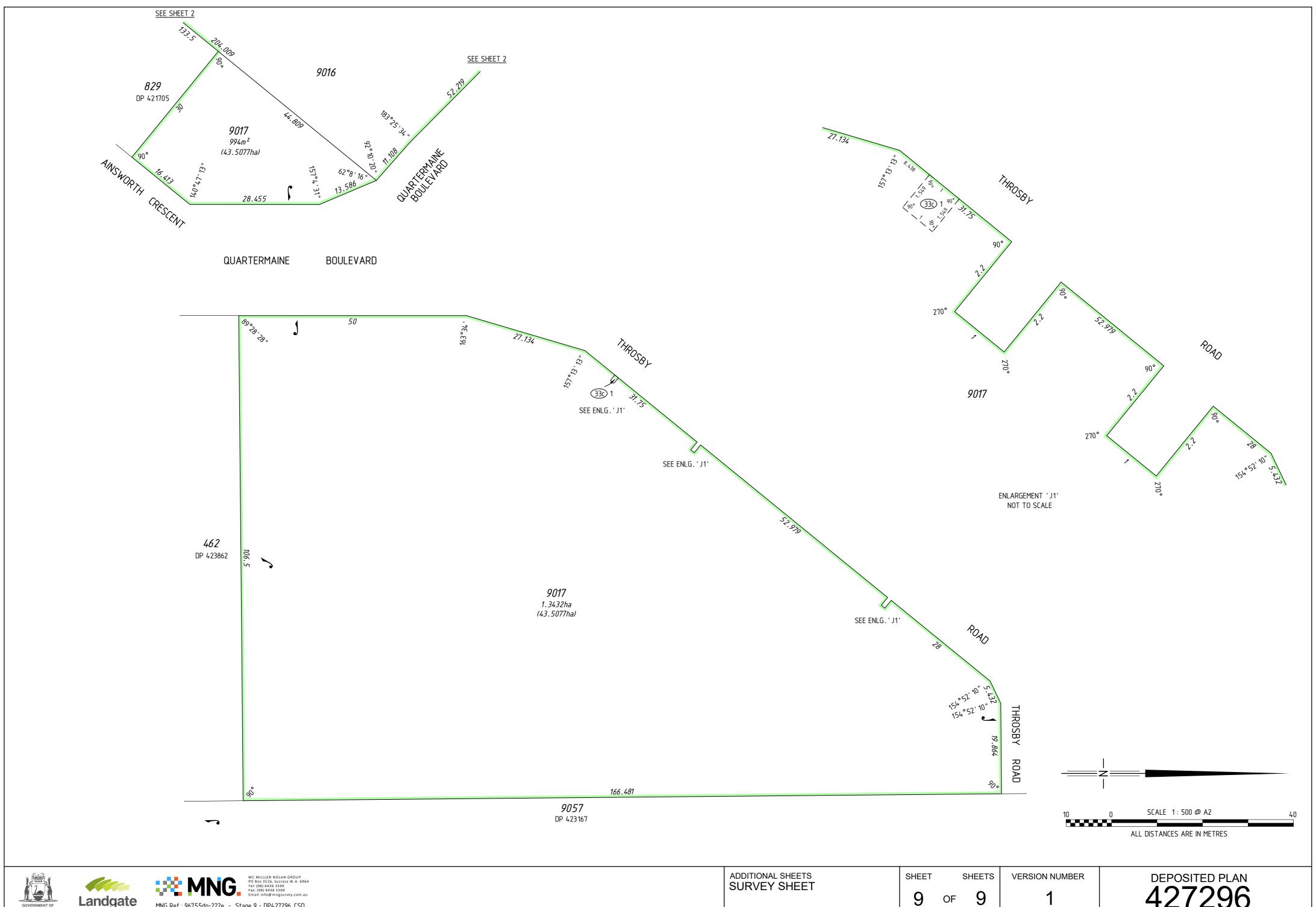


ADDITIONAL SHEETS
SURVEY SHEET

SHEET SHEETS 8 OF 9

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THIS SURVEY SHEET WILL BE REPLACED BY THE SURVEY DATA





