

BOTANIA ESTATE - STAGE 2B

GROWLAND

MELTON COUNCIL

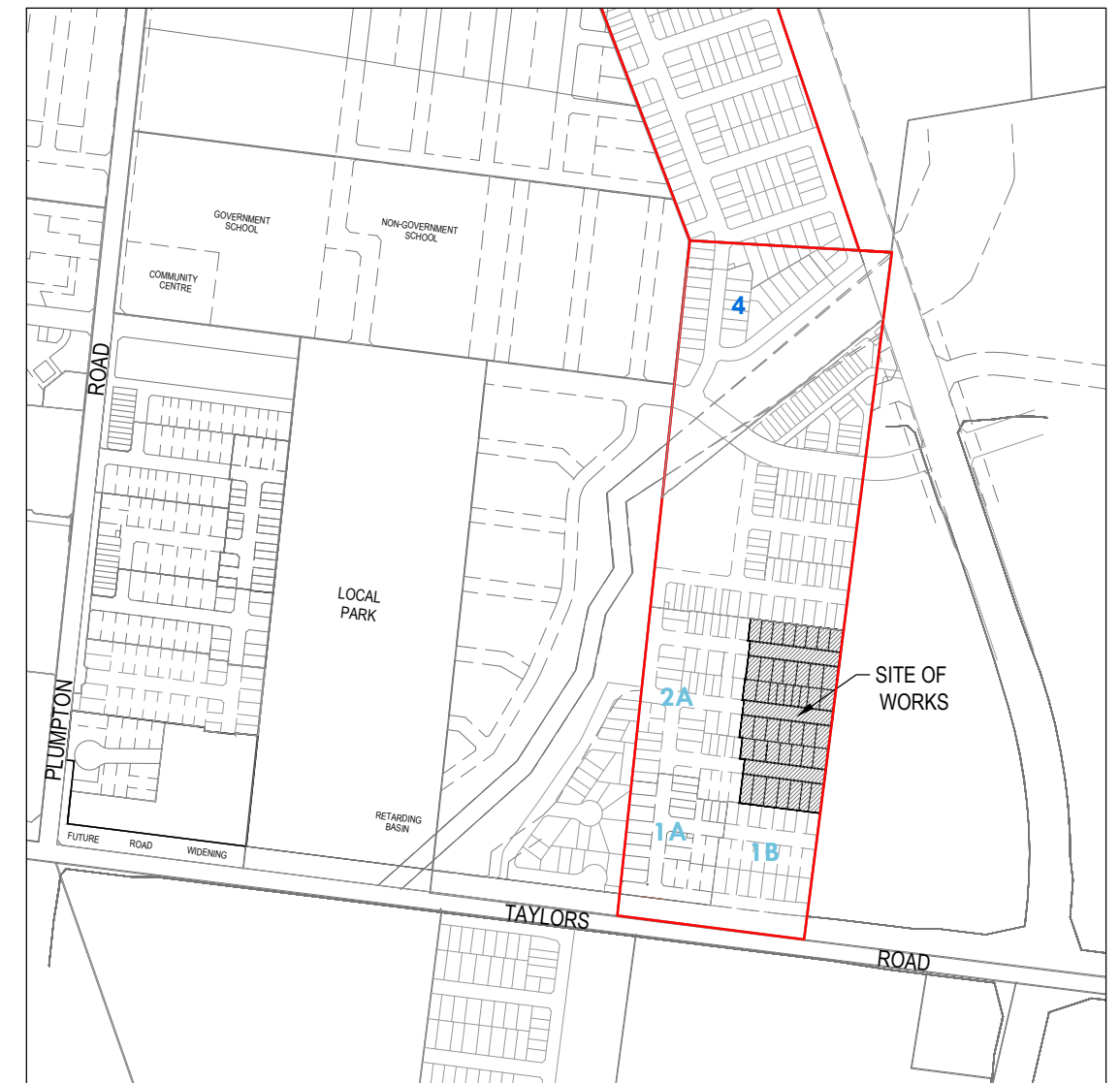
FUNCTIONAL LAYOUT PLANS

GENERAL NOTES

- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE MELTON CITY COUNCIL.
- STANDARD DRAWINGS & SPECIFICATIONS TO BE TO THE SATISFACTION OF THE MUNICIPAL ENGINEER OR HIS APPOINTED REPRESENTATIVE.
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY & ARE NOT GUARANTEED AS CORRECT.
- NO EXCAVATION SHALL BE CARRIED OUT WITH 5.00m OF ANY EXISTING TREE UNTIL APPROVAL HAS BEEN GIVEN BY THE SUPERINTENDENT.
- ALL NATURE STRIPS & EXCAVATED OR FILLED AREAS OUTSIDE OF THE ROAD RESERVES SHALL BE SURFACED WITH A 100mm LAYER OF TOPSOIL AS SPECIFIED.
- ALL ALLOTMENTS SHALL BE SMOOTHED, GRADED & SHAPED TO AN EVEN SURFACE WITH A MINIMUM FALL OF 1 IN 150 ALONG THE LOW BOUNDARY TO THE DRAINAGE OUTLET SHOWN.
- UNLESS OTHERWISE SPECIFIED OR DETAILED, ALL EASEMENT DRAINS ARE TO BE CONSTRUCTED TO AN OFFSET OF 0.90m FROM THE ALLOTMENT BOUNDARY.
- ALL KERB RETURN RADII ARE TO LIP OF KERB UNLESS OTHERWISE SPECIFIED.
- ALL PROPERTY INLETS TO BE CONSTRUCTED AT DEPTHS AND OFFSETS AS SPECIFIED IN EDMC STANDARD DRAWINGS 701, 702, 703 & 704.
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE LOCATED NOT CLOSER THAN 5.20m FROM THE SIDE BOUNDARY OR FROM ANY EASEMENT ALONG THE SIDE BOUNDARY.
- THE CONTRACTOR SHALL TO THE SATISFACTION OF THE SUPERINTENDENT & THE MUNICIPAL ENGINEER PROVIDE AND MAINTAIN ALL NECESSARY WARNING SIGNAGE, LIGHTING & BARRICADING TO COMPLY WITH THE REQUIREMENTS OF THE ROAD TRAFFIC REGULATIONS ACT.
- ALL CONCRETE TO BE USED IN THE CONTRACT WORKS SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 25MPa AT 28 DAYS.
- THE CONTRACTOR TO ERECT STREET NAME SIGNS & GALVANISED IRON POSTS AS DIRECTED BY THE SUPERINTENDENT & PROVIDE THE PROVISION OF A SLEEVE.
- KERB TYPES TO BE USED AS SPECIFIED IN ACCORDANCE WITH MELTON CITY COUNCIL STANDARD DRAWINGS. TRANSITIONS BETWEEN DIFFERENT TYPES TO BE OVER 3.0m, IF IT CANNOT BE ACHIEVED AT A PRAM CROSSING OR DRIVEWAY CROSSOVER.
- THE CONTRACTOR WHEN ENGAGED IN BLASTING OPERATION, SHALL NOT BLAST WITH 4.50m OF AN EXISTING LINE OF WATER, GAS OR SEWER PIPES OR WITH 15m OF ANY COMPLETED PART OF THE WORKS WITHOUT THE CONSENT OF THE SUPERINTENDENT.
- THE CONTRACTOR IS TO OBTAIN THE NECESSARY ROAD OPENING PERMIT PRIOR TO UNDERTAKING ANY WORKS WITHIN A PREVIOUSLY CONSTRUCTED ROADWAY.
- ALL RESIDENTIAL FOOTPATHS TO BE OF A MINIMUM OF 1.50m WIDE.
- ALL TRENCHING OF DEPTH 1.5m OR GREATER MUST COMPLY WITH VICTORIAN WORKCOVER. A "Notice of Intention to Excavate" MUST BE SUBMITTED TO WORKCOVER BEFORE WORK COMMENCES. (FAXED TO 03 9628 8155 or 03 9628 8199)
- THE RELATIVE COMPACTION OF CRUSHED ROCK FOR PAVEMENTS SHALL BE COMPLETED AT THE OPTIMUM MOISTURE CONTENT TO A DRY DENSITY (BASED ON THE PERCENTAGE OF THE MAXIMUM DRY DENSITY OBTAINED IN THE MODIFIED COMPACTION TEST) AS BELOW:
 - FOR DEPTH 0 - 100mm BELOW TOP OF BASE, RELATIVE COMPACTION - 100%
 - FOR DEPTH 100 - 300mm BELOW TOP OF BASE, RELATIVE COMPACTION - 98%
 - FOR DEPTH OVER 300mm BELOW TOP OF BASE, RELATIVE COMPACTION - 97%
- PIPE TRENCHES WITHIN THE ROAD RESERVE MUST BE BACKFILLED WITH 20mm CLASS 3 CRUSHED ROCK TO BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN THE STANDARD COMPACTION TEST FOR THE FOLLOWING:
 - BENEATH THE ROAD PAVEMENT OR DRIVEWAY CROSSOVER TO THE UNDERSIDE OF THE PAVEMENT OR CROSSOVER.
 - ADJACENT TO KERBING OR CONCRETE WORKS TO A LEVEL THAT IS NOT AFFECTED BY A 45 DEGREE ANGLE OF REPOSE FROM THE NEAR LOWER EDGE.
- EARTH FILL IS TO BE COMPACTED TO A RELATIVE COMPACTION COMPARED TO A STANDARD COMPACTION TEST AS SPECIFIED BY VICROADS OF:
 - 100% FOR ALL FILL MATERIAL UNDER FILL THAT IS LESS THAN 450mm FROM THE SURFACE.
 - 95% FOR ALL FILL NOT COVERED AS ABOVE.
- THE SUBGRADE BELOW ALL PAVEMENTS SHALL BE COMPACTED TO A DRY DENSITY NOT LESS THAN 97% OF THE MAXIMUM FOUND IN STANDARD COMPACTION TEST IN AREAS OF CUT TO A DEPTH OF 150mm & IN AREAS OF FILL TO A DEPTH OF 450mm.
- TBMS TO BE MAINTAINED & PROTECTED BY CONTRACTOR FOR THE DURATION OF THE WORKS.
- ALL DRAINAGE PIPES TO BE REINFORCED CONCRETE CLASS 2 UNLESS NOTED OTHERWISE.
- ALL DRAINAGE PIPES UP TO & INCLUDING 750mm IN DIAMETER ARE TO BE RUBBER RING JOINTED. PIPES ABOVE THIS SIZE MAY BE FLUSH JOINTED WITH EXTERNAL SEALING BANDS. FOR PIPES GREATER THAN 900mm AND CHANGES IN DIRECTION BETWEEN 2 CONNECTING PIPES EXCEEDING 10°, CONSTRUCT SEGMENTED CURVES USING SPLAYED PIPES WITH BANDAGE JOINTS, HAVING DEFLECTIONS WITHIN THE MANUFACTURER'S SPECIFICATION. ALL PIPES UNDER ROADWAYS TO BE RRJ.
- FILLING ON LOTS GREATER THAN 300mm (AS SHOWN BY APPROPRIATE HATCHING) TO BE PLACED BY THE CONTRACTOR UNDER LEVEL ONE (1) SUPERVISION IN ACCORDANCE WITH AS 3798 - 1996. ALL RESULTS TO BE FORWARDED TO THE SUPERINTENDENT FOR APPROVAL.
- ALL LEVELS SHOWN ARE TO A.H.D.
- TACTILE GROUND SURFACE INDICATORS (TGS) ARE TO BE INSTALLED AT ALL PRAM CROSSINGS & PEDESTRIAN CROSS POINTS IN ACCORDANCE WITH AS 1428.
- CONTRACTOR IS OBLIGED TO OBTAIN A PERMIT FOR ANY BLASTING WORKS.
- ALL TRENCHING AT A DEPTH 1.5m OR GREATER MUST COMPLY WITH THE MINES AND TRENCHING REGULATIONS.
- WORKS ARE TO BE CARRIED OUT TO EDMC STANDARDS.

DRAWING INDEX

DRAWING No.	TITLE
1700987-02B-900	COVER SHEET
1700987-02B-901	TYPICAL ROAD CROSS SECTIONS & DETAILS
1700987-02B-910	FUNCTIONAL LAYOUT PLAN
1700987-02B-930	ON STREET CAR PARKING PLAN
1700987-02B-940	VEHICLE TURNING MOVEMENTS



SITE PLAN

NOT TO SCALE

MELWAY REF: 355 GS

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
P3	TURN AREAS AMENDED	09.10.19	JM	JM					
P2	ISSUED FOR INFORMATION	01.07.19	JM	TN					
P1	ISSUED FOR INFORMATION	28.03.19	N.T.	J.M.					

Designed
Date
Drawn
Approved
Date
PS Number

J. MONGAN
26.03.2019
N. TABUENA
J. MONGAN
28.03.2019
PS830161V



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Project
Details
Drawing
Title

BOTANIA ESTATE
STAGE 2B
MELTON CITY COUNCIL
COVER SHEET

Sheet 01 of 05

Scale
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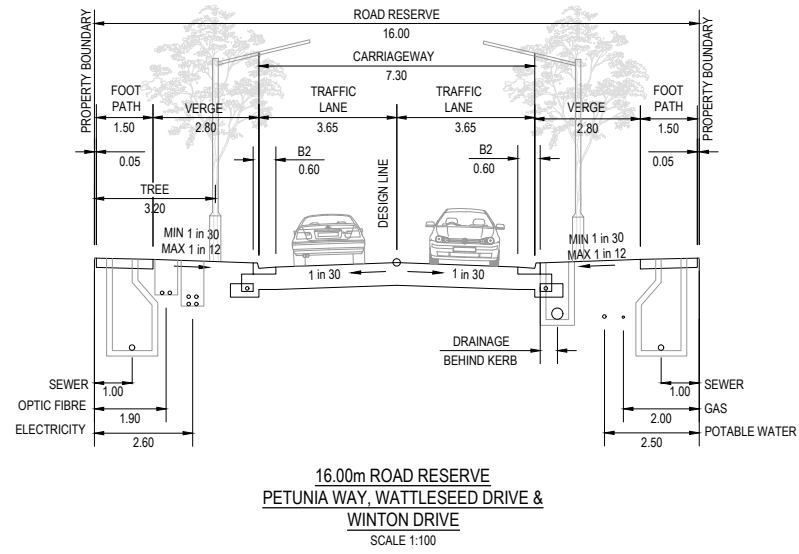
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Stage No
02B

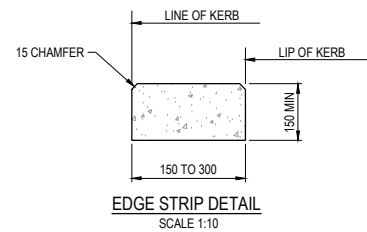
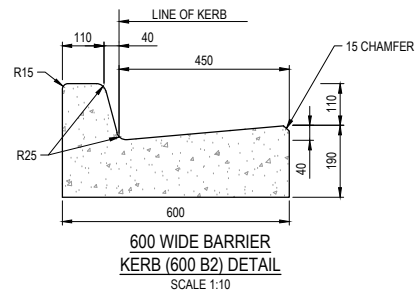
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Rev
P3





CITY OF MELTON
 APPROVED
 FUNCTIONAL LAYOUT PLANS
 Inoka S
 ENGINEERING SERVICES
 Date: 24/10/2019



ALL DIMENSIONS IN
 MILLIMETRES. REFER
 STANDARD DRAWING EDCM 301
 & 302 FOR KERB DETAILS.

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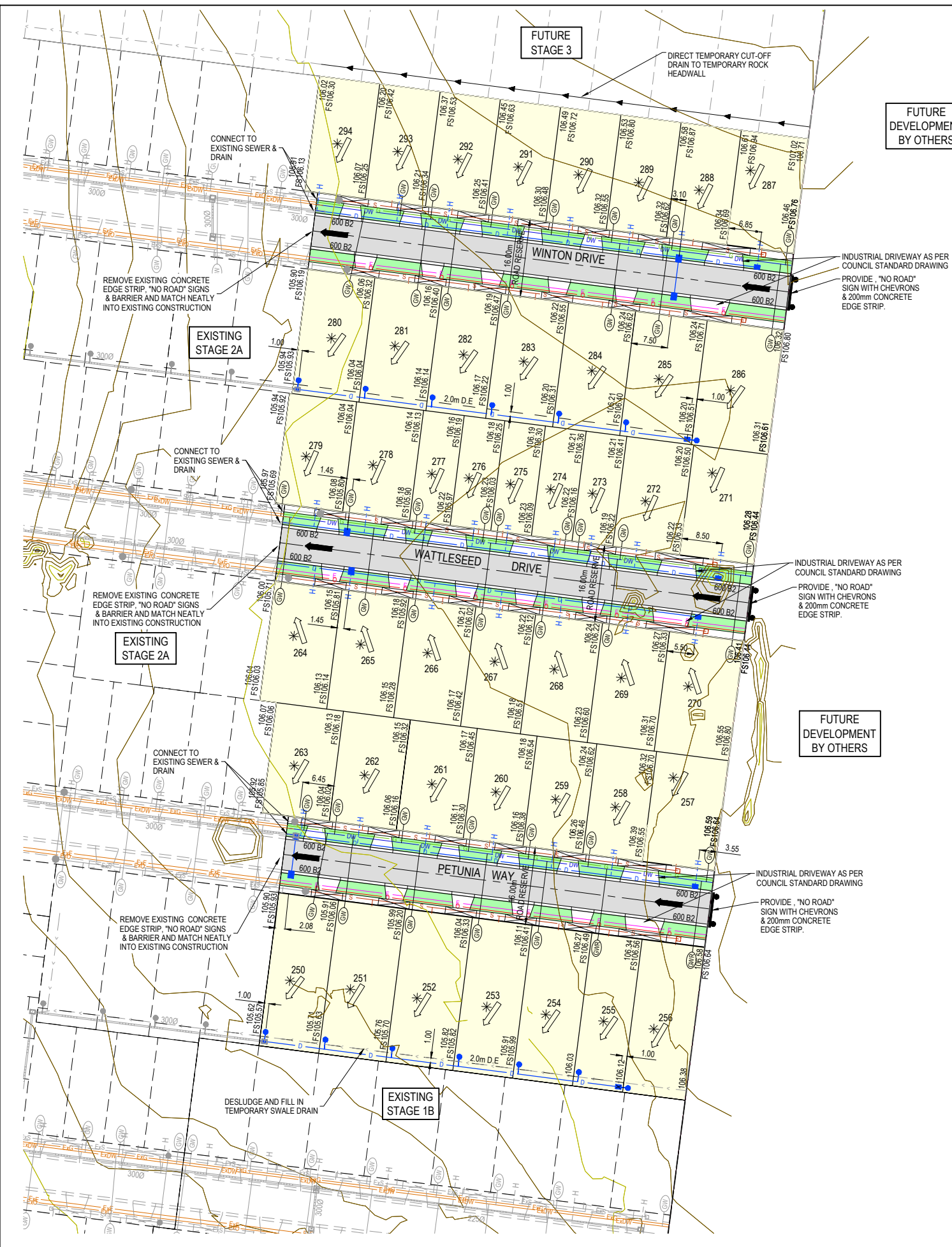
Stage No
02B

Drawing No
901

Rev
P3

Sheet 02 of 05

Scale
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LEGEND - FUNCTIONAL LAYOUT PLAN

— E —	ELECTRICITY (UNDERGROUND)	■	TACTILE PAVERS (INDICATIVE ONLY)	—	ZERO LOT LINES
— O —	OPTIC FIBRE	— Ex E —	EXISTING ELECTRICITY (UNDERGROUND)	—	PAVEMENT TREATMENT
— T —	TELECOMMUNICATIONS	— OH E —	EXISTING ELECTRICITY (OVERHEAD)	→	DIRECTION OF FALL
— G —	GAS	— Ex G —	EXISTING GAS	→	OVERLAND FLOW
— W —	WATER	— Ex O —	EXISTING OPTIC FIBRE	→	ALLOTMENT TO BE GRADED EVENLY IN
— NDW —	RECYCLED WATER	— Ex DW —	EXISTING WATER	→	DIRECTION OF FALL TO LEVELS INDICATED
— D —	STORMWATER DRAIN, PIT & PROPERTY INLET	— Ex NDW —	EXISTING RECYCLED WATER	→	CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
— M —	MELBOURNE WATER DRAIN & PIT	— Ex D —	EXISTING STORMWATER DRAIN	→	"NO ROAD" SIGN & BARRIER
— S —	SEWER & MAINTENANCE STRUCTURES	— Ex S —	EXISTING SEWER	→	LIMIT OF WORKS
— H —	HOUSE DRAIN	— Ex H —	EXISTING HOUSE DRAIN	→	EXISTING TREE TO BE REMOVED
— SW —	SWALE DRAIN	— Ex SW —	EXISTING SWALE DRAIN	→	RIDGE LINE
— SC —	SERVICE CONDUITS	—	TREE PROTECTION ZONE (TPZ)	→	RETAINING WALL

ROAD LAYOUT TABLE

Road Name	Road Classification	Reserve Width (m)	Road Width (m)			Kerb Type		Verge Width (m)	
			Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East
PETUNIA WAY	ACCESS ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	2.80	2.80
WATTLESEED DRIVE	ACCESS ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	2.80	2.80
WINTON DRIVE	ACCESS ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	2.80	2.80

SERVICE OFFSET TABLE

Location	Side	Gas		Water		Electricity		Telecommunication		Sewer		Branch Sewer	
		Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
PETUNIA WAY	N	2.00		N	2.50	S	2.60	S	1.90	N&S	1.00	-	-
WATTLESEED DRIVE	N	2.00		N	2.50	S	2.60	S	1.90	N&S	1.00	-	-
WINTON DRIVE	N	2.00		N	2.50	S	2.60	S	1.90	N&S	1.00	N	1.00

NOTE: STREET TREES ARE TO BE PLANTED IN THE CENTRE OF ALL NATURE STRIPS

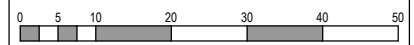


**APPROVED
FUNCTIONAL LAYOUT PLANS
Inoka S
ENGINEERING SERVICES
Date: 24/10/2019**

**WARNING
BEWARE OF UNDERGROUND SERVICES**
The locations of underground services are approximate only and their exact position should be proven on site.
No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.
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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
P4	TEMPORARY TURN AREA REMOVED	21.10.19	DC	JM					
P3	TURN AREAS AMENDED	09.10.19	JM	JM					
P2	ISSUED FOR INFORMATION	01.07.19	JM	TN					
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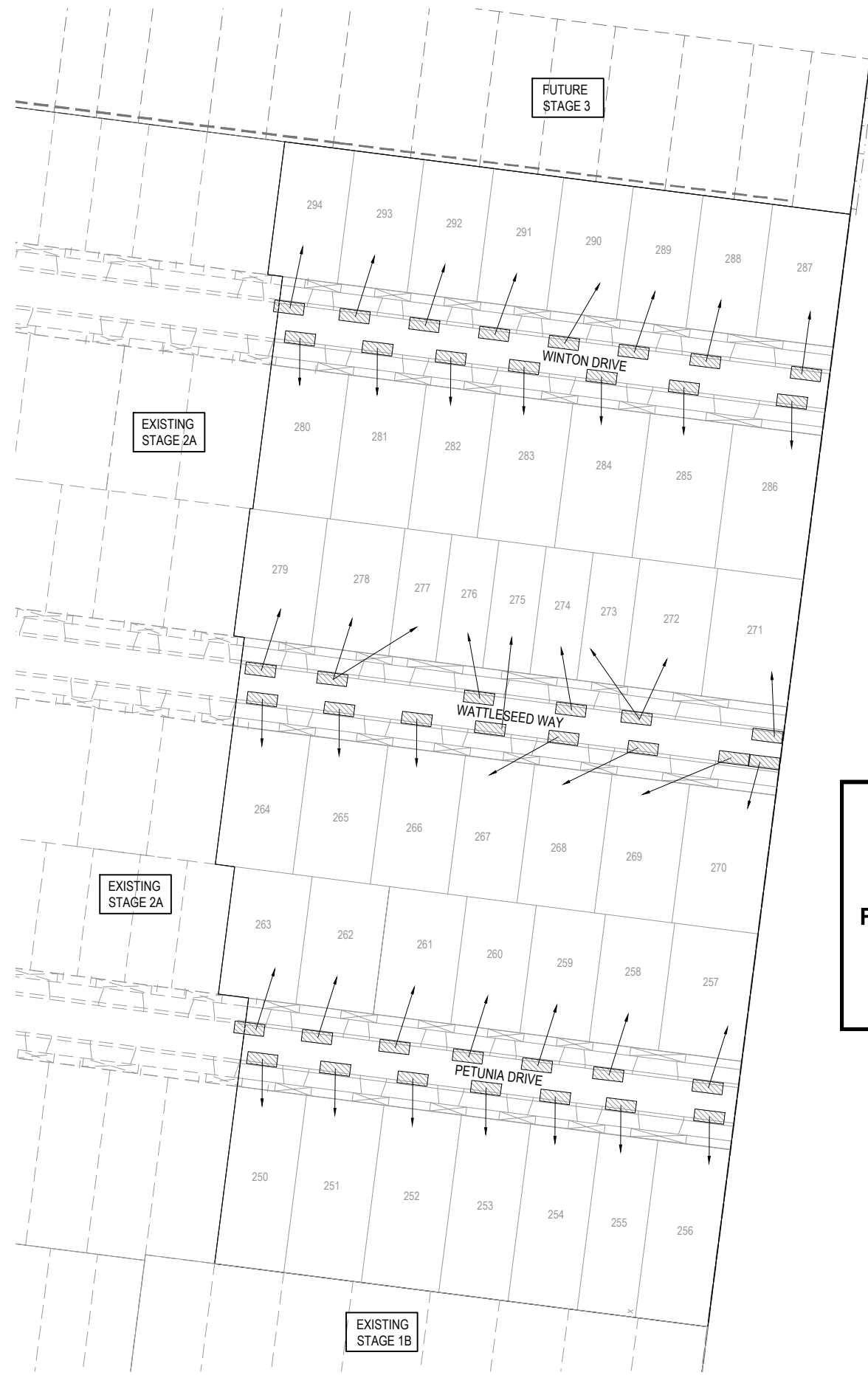


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Project Details: BOTANIA ESTATE STAGE 2B MELTON CITY COUNCIL
Drawing Title: FUNCTIONAL LAYOUT PLAN

Sheet 03 of 05
Scale: 1:500 @ A1
Project Ref: 1700987 Stage No: 02B Drawing No: 910 Rev: P4



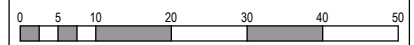

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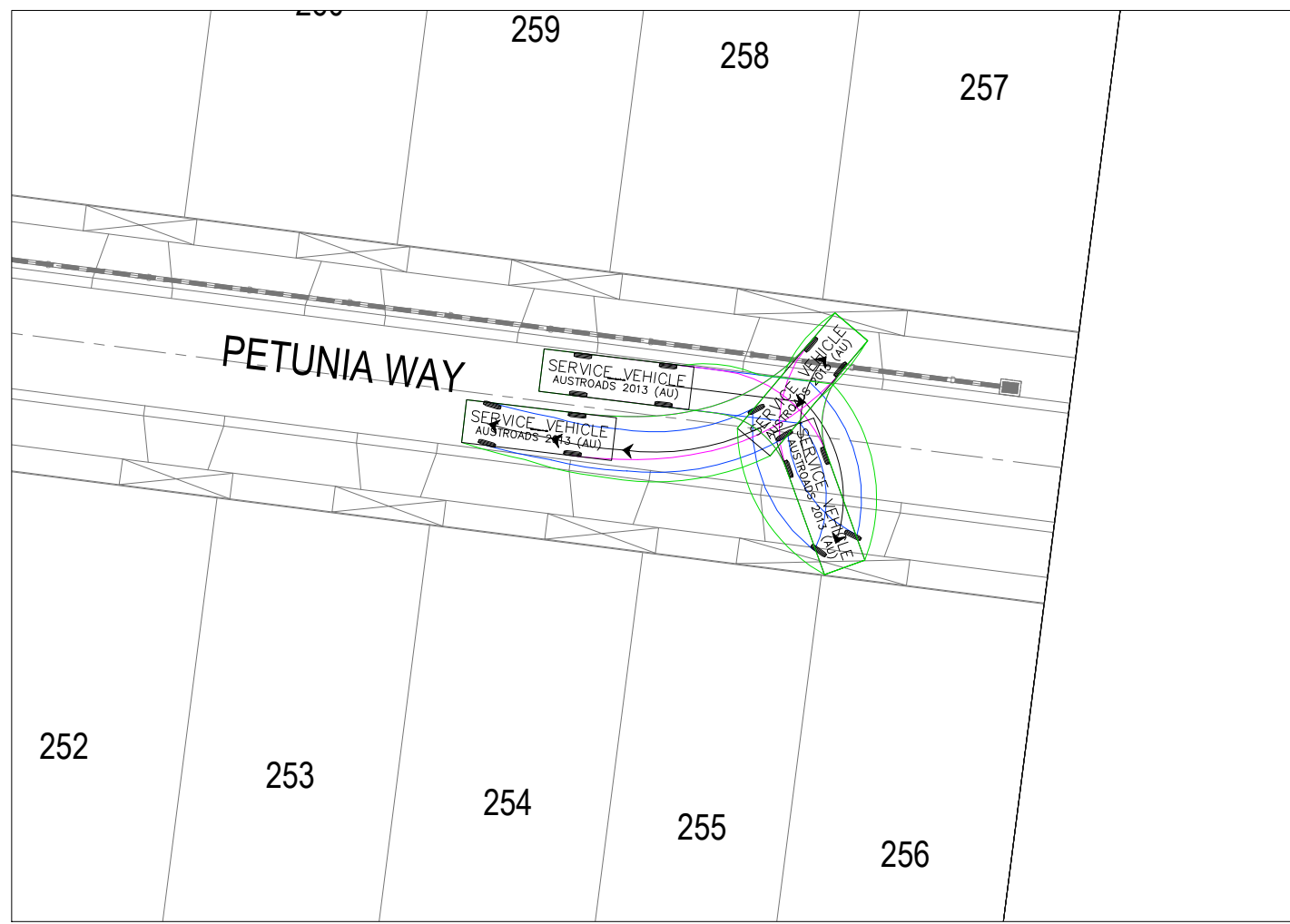
Project Details: BOTANIA ESTATE
 STAGE 2B
 MELTON CITY COUNCIL
 Drawing Title: ON STREET CAR PARKING PLAN

Sheet 04 of 05

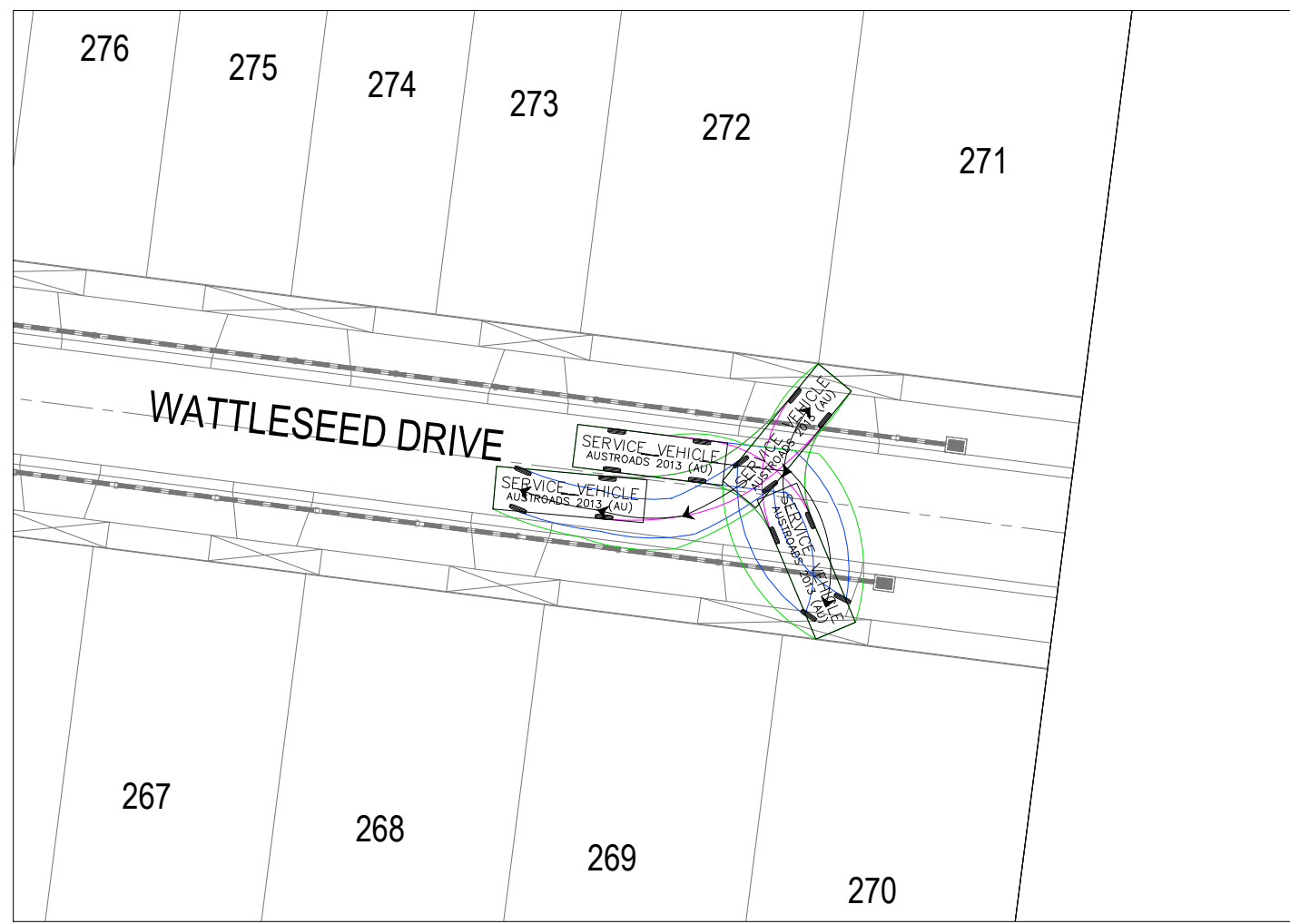
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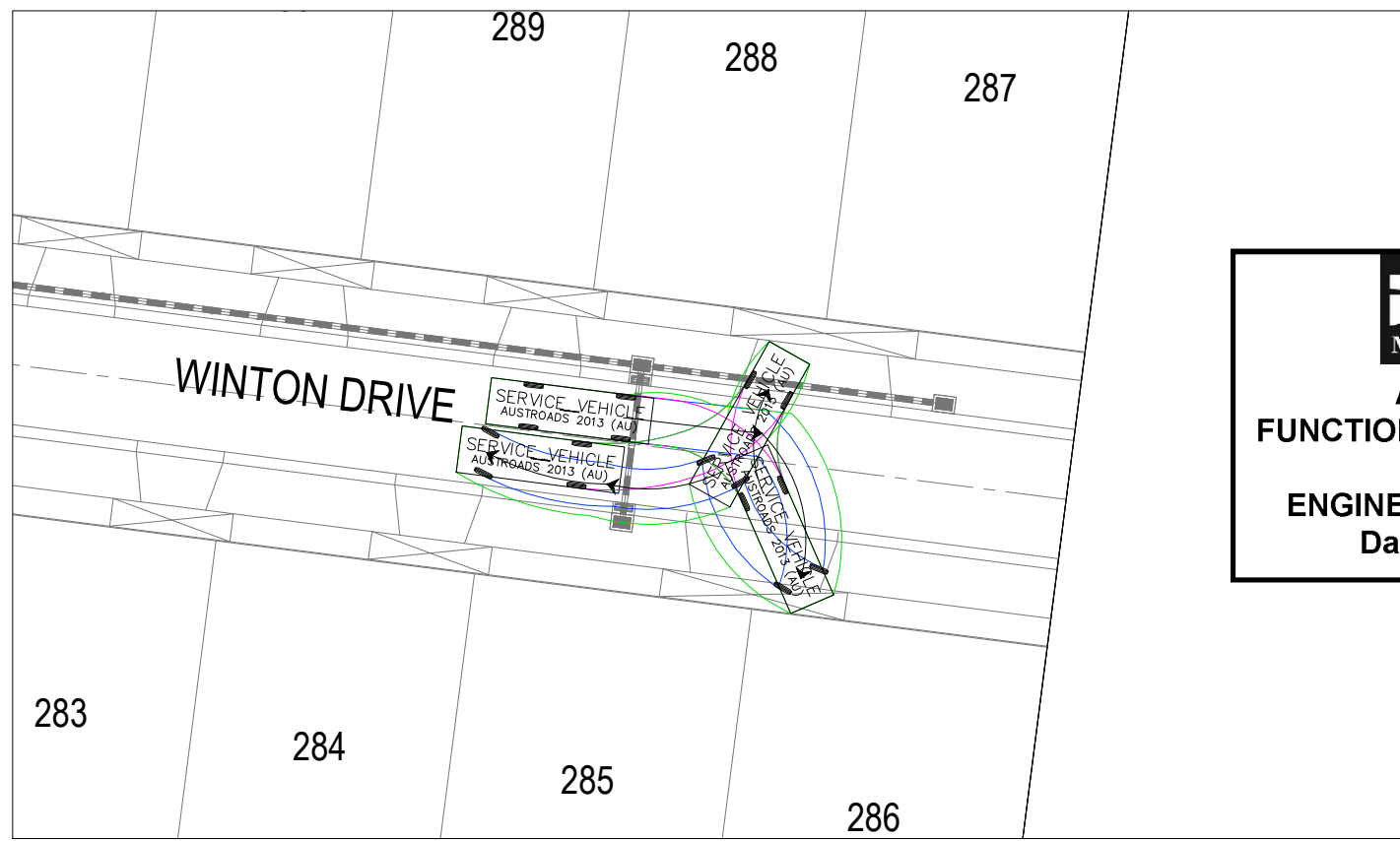




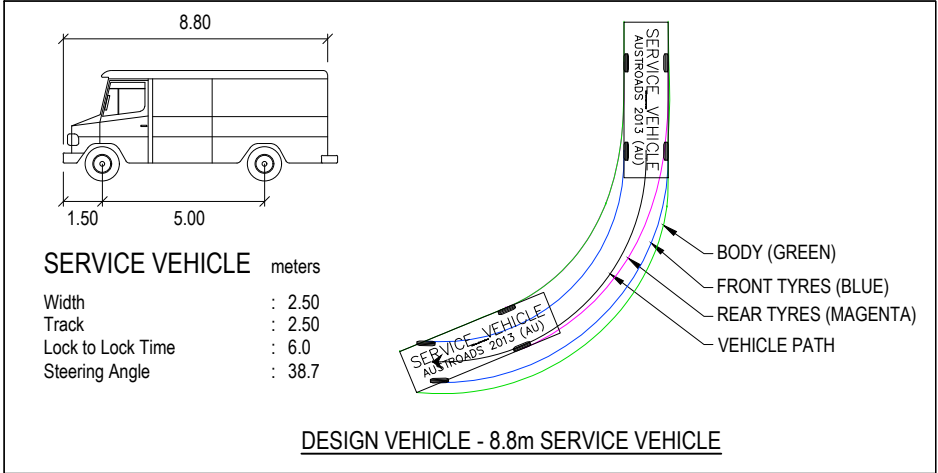
TURN AROUND
GINKO STREET



TURN AROUND
LILY WAY

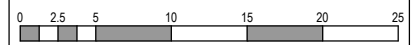



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
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P4	TURNING MOVEMENTS AMENDED	21.10.19	DC	JM					
P3	TURN AREAS AMENDED	09.10.19	JM	JM					



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Project Details: BOTANIA ESTATE STAGE 2B MELTON CITY COUNCIL
 Drawing Title: VEHICLE TURNING MOVEMENTS
 Project Ref: 1700987
 Stage No: 02B
 Drawing No: 940
 Rev: P4

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 Scale: 1:250 @ A1


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