Our Reference: 5842509

5 February 2020

Jennie Mongan Beveridge Williams 1-11 Glenferrie Road Malvern VIC 3144

Dear Jennie



PA 2018/6004 Botania Estate Stage 2A - Engineering Plans Conditional Approval

The above mentioned plans, received by Council on 29 January 2020, are conditionally approved. Please find attached the approved stamped road & drainage plans.

The conditions are as follows and *must* be met prior to the Statement of Compliance being issued:

Vehicle access to/from the Stage 2A from Taylors Road must be provided to the satisfaction of the Responsible Authority

Council believes the list below represents the latest amended engineering plan submission:

Project Reference: 1700987

Drawing No.	Revision
001 to 002	P2
010	P3
011	P4
100 to 104	P2
200 to 204	P3
300 to 302	P2
303	P3
350 to 351	P2
400 to 402	P3
403	P4

The approval is subject to compliance of all statutory and legal obligations and granted with the understanding that the engineering consultant, developer and land owner take full responsibility for the design contained in the conditionally approved engineering plans.

Please note the following:

• The approval of these plans is valid for one year. Where construction does not commence within that time, the plans must be resubmitted to Council for assessment using applicable engineering standards at the time of resubmission. New plan checking fees will also be applicable.

- No construction works can commence outside the development's property boundaries unless or until consent is provided by the adjoining land owner.
- A 'Consent to Work Within a Road Reserve' must be applied for where works will be done on an
 existing road. The form is available on Melton Council's website link
 https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications
- A Traffic Management Plan must be submitted where works will occur on existing roads, and
 where the works are traffic impact works, it must be approved by Council's Traffic team before
 works commence. The form is available on Melton Council's website link
 https://www.melton.vic.gov.au/Services/Building-Planning-Transport/Engineering/Engineering-applications
- Construction works must not commence on site until all relevant planning permit conditions have been satisfied. Email queries to <u>planningsupport@melton.vic.gov.au</u>
 T: 9747 7200.
- All Service Authority plans must be approved by the responsible authorities prior to the subbase of the road pavement being constructed. Included plans are:
 - Water main reticulation plans including the location and capacity (pressure and flow) of fire hydrants and hydrant mains;
 - o Sewer main reticulation plans;
 - Recycled water reticulation plans (where applicable);
 - Public Lighting plans, utilising Public Lighting Guidelines and form on www.melton.vic.gov.au/Infrastructure-Planning; and
 - Other relevant service plans, as applicable.

The above plans must be submitted in PDF format (one email per type of plan) to serviceauthority@melton.vic.gov.au

- If required as part of the planning permit conditions for the above mentioned project,
 Construction Environmental Management plans (CEMP) <u>must</u> be submitted to Council *prior* to requesting a Civil Works pre-commencement meeting. Please note that plans should:
 - Include Planning Permit Application and Planning Permit Condition # PA2018/6004
 - Adhere to requirements of endorsed planning permit conditions.
 - Be simply presented and easy to understand.
 - Include an overall site context plan which shows where the site is located
 E.g. roads labelled
 - Address all relevant environmental risks of the works.
 - Include haulage route.
 - Include statements:
 - A water truck will be available for dust suppression on site at all times and at the direction of the Council Construction Supervisor.
 - Working hours will be 7.00am or sunrise, whichever is the latter to 5.00pm week days.
 - Exclude any reference to use of straw bales, as not best practice.
 - Be In PDF format (to appropriate scale) from original document.
 Note: do not scan document into PDF, as can be illegible.

Please submit CEMP with relevant information to Email: emp@melton.vic.gov.au

- A Pre-commencement Meeting Application must be emailed to Council to request approval to start work via Email: construction@melton.vic.gov.au
- As Constructed (As Con) plans must be received by Council prior to requesting a Practical Completion (PC) Inspection. To proceed, submit a PC Application form to Email: construction@melton.vic.gov.au
- Where required by planning permit conditions, A-SPEC digital data should be submitted and verified as correct by Council's Asset Management/GIS team prior to the Statement of Compliance (SOC) being issued. Submit A-Spec date to Email: assetspecs@melton.vic.gov.au

All correspondence submitted to Council must include a covering letter detailing:

- ✓ Full business name, address, contact name, email and telephone number for responses;
- ✓ Planning Application Number (PA2018/6004);
- ✓ Estate name and Stage # or Project Name and address;
- ✓ Description of submission (E.g. Construction Environmental Management Plan) and any changes/ response to prior Council correspondence;

Submissions should follow processes outlined above and utilise forms on website www.melton.vic.gov.au/Infrastructure-Planning unless another web link is listed.

Should you have any queries, please contact me at Email: nihalj@melton.vic.gov.au or T: 9747 7101

Regards,

Nihal Jayasekara

DEVELOPMENT ENGINEER

BOTANIA ESTATE - STAGE 2A

GROWLAND MELTON COUNCIL DETAIL DESIGN PLANS



ENGINEERING SERVICES Date: 5/2/2020

CONSTRUCTION NOTES

SITE MANAGEMENT

- Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & Safety Act 2004, including all relevant regulations, have been addressed. In particular, the required notifications must be conveyed to the Victorian Workcover Authority Health & Safety division with respect to trenching operations. Details of the contractors occupational health & safety procedures must be lodged with the superintendent prior to commencement of works.
- A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from the Melton City Council landscape
- Existing dam or watercourses to be excavated to a firm base & backfilled as specified. Consulting engineer to be notified when the dam or watercourses are excavated to a firm base. No filling is to be placed prior to dams being inspected & levels taken Backfilling is to be carried out to the satisfaction of the Council supervising engineer.
- Prior to commencement of works, the contractor must submit a Site Management Plan (SMP) to the consultant for approval. The contractor must comply with the recommendations of the Environment Protection Authority publication No.275 "Construction techniques for sediment pollution control". Appropriate siltation control is to be maintained throughout the construction &
- Provide temporary safety barrier fence (Farm Fence as per MW Std Dwg 7251/4/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage
- Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with

GENERAL

- All works to be carried out in accordance with AS2124-1992 general conditions of contract & the Melton City Council current specification & standard drawings & to the satisfaction of the Melton City Council works supervisor.
- Before commencement of works on trenches in excess of 1.5m deep, the civil contractors construction supervisor must give notice in writing of such proposals to Worksafe Victoria in accordance with Part 5.1. Division 4 of the Occupational Health & Safety ations (2007) & undertake safety precautions in trenching operations in accordance with Workcover's code of practice (1988).
- Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots
- On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- Reserves to be free draining & to be left in a condition satisfactory to the Melton City Council works supervisor.
- All TBM's & control points are to be maintained & protected at all times during construction. Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-instatement at the contractors expense.
- Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Palings to

- 100ø agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & where directed by the engineer.
- Filling in all properties & road reserves is to be carried out using approved clay fill. Top soil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in accordance with AS3798-2007 and the geotechnical report. Level 1 inspection and testing to be carried out in accordance with AS3798-2007 Section 8.2. A fill report must be submitted to the Consultant, showing from a NATA registered soil testing laboratory.
- Importing Fill:- All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any impound in the number of the containing the contain
- Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise
- C5. Cut batters are to be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsion.
- Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.
- Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.
- The water conduit offset from the lot boundary is given on the water reticulation plan. The contractor must construct conduits to accord with the given offset & ensure that the concreter marks the kerb & footpath exactly above the conduit.
- All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard drawing EDCM 401.

C10. NBN Co to be notified seven (7) days prior to concrete works being placed

- C11. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed
- C12. All street signs to be constructed & erected to current Melton City Council standards including logo. Court street names are to show court name only.
- marking, with longitudinal lines in thermoplastic & transverse markings in cold applied
- C14. Driveways to be constructed in accordance with the MPA standard drawings EDCM 501 & EDCM 502. Single driveways to be a minimum 3.5m wide & to be offset 0.75m from side boundary or easement unless other
- Kerb transition to take place in the minor street over a 2.0m length from either the tangent point or TP pit.
- C16. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design
- C17. Provide 2.5m wide shared footpath through reserves as shown on a curvilinear alignment to the satisfaction of the engineer
- C18. Tactile ground surface indicators (TGSI) are to be installed at all pram crossings & pedestrian cross points in accordance with

- Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed
- D3. All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with An pipes up to and inductionally commit in diameter shall be under ling jointed (KRs), repea above alls size may be fush jointed with external sealing bands.

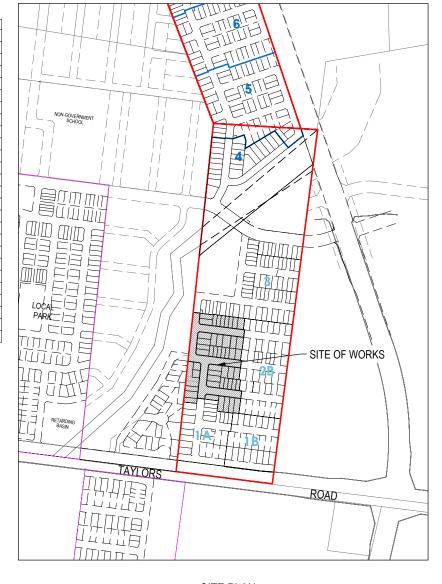
 For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmented curves using splayed pipes with bandage joints, having deflections within the manufacturer's specification.

 All pipes under roadways to be RRJ.
- D4. All pipes to be Class '2' R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified
- Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3
- D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer

Modification of the pavement requires approval by the Melton City Council works supervisor

DRAWING INDEX

DRAWING No.	IIILE
1700987-02A-001	COVER SHEET
1700987-02A-002	TYPICAL ROAD CROSS SECTIONS
1700987-02A-010	LAYOUT PLAN
1700987-02A-011	INTEGRATED WATER MANAGEMENT PLAN
1700987-02A-100	ROAD LONGITUDINAL SECTIONS ELM DRIVE
1700987-02A-101	ROAD LONGITUDINAL SECTIONS PETUNIA WAY
1700987-02A-102	ROAD LONGITUDINAL SECTIONS WATTLESEED DRIVE
1700987-02A-103	ROAD LONGITUDINAL SECTIONS CHERISH STREET
1700987-02A-104	ROAD LONGITUDINAL SECTIONS WINTON DRIVE
1700987-02A-200	ROAD CROSS SECTIONS ELM DRIVE
1700987-02A-201	ROAD CROSS SECTIONS PETUNIA WAY
1700987-02A-202	ROAD CROSS SECTIONS WATTLESEED DRIVE
1700987-02A-203	ROAD CROSS SECTIONS CHERISH STREET
1700987-02A-204	ROAD CROSS SECTIONS WINTON DRIVE
1700987-02A-300	INTERSECTION DETAILS (SHEET 1 OF 3)
1700987-02A-301	INTERSECTION DETAILS (SHEET 2 OF 3)
1700987-02A-302	INTERSECTION DETAILS (SHEET 3 OF 3)
1700987-02A-303	RETARDING BASIN DETAILS
1700987-02A-350	SIGNAGE & LINE MARKING PLANS (SHEET 1 OF 2)
1700987-02A-351	SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)
1700987-02A-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 3)
1700987-02A-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 3)
1700987-02A-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 3)
1700987-02A-403	DRAINAGE PIT SCHEDULE
1700987-02A-450	PLAN OF SUBDIVISION (SHEET 1 OF 2)
1700987-02A-451	PLAN OF SUBDIVISION (SHEET 2 OF 2)
	•



SITE PLAN

NOT TO SCALE MELWAY REF: 355 H5

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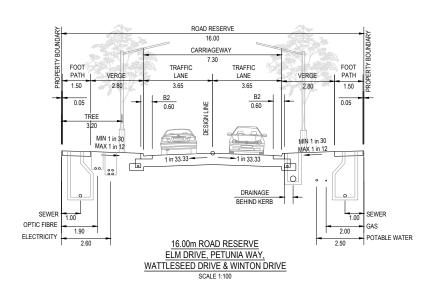
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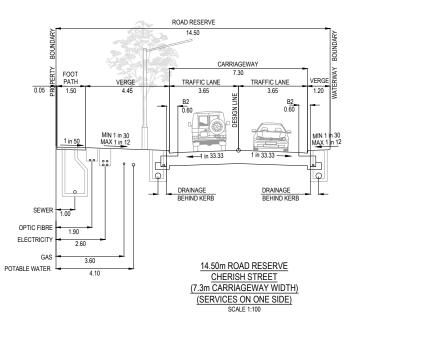
Designed Date	J. MONGAN 08.08.2019	
Drawn	D.COOPER	
Approved Date	J. MONGAN 08.08.2019	•
PS Number	PS823200D	



Project Details	BOTANIA ESTATE STAGE 2A MELTON CITY COUNCIL
Drawing	COVER SHEET

Sheet 01 of 26 N NOT TO SCALE 1700987 02A 001





N12 TIE BARS, 450 LONG (SEE NOTE 1.)

15mm THICK RESIN BONDED CORK STRIP FULL

CONSTRUCTION JOINT

DEPTH OF CONCRETE OR APPROVED EXPANSION MATERIAL AND SEALANT

CONTROL JOINT /

WEAKENED PLANE JOINT

W.P.J. 30 DEEP

CONCRETE JOINT DETAILS

EXPANSION JOINT

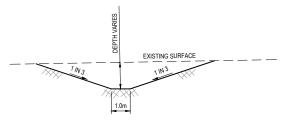
N12 DOWEL BAR, 450 LONG (SEE NOTE 2.)

ISOLATION JOINT

100mm DEPTH TOPSOIL ASPHALT UPPER LAYER: 40mm COMPACTED DEPTH SIZE 14mm TYPE N CLASS 170 BINDER DRESSING AS SPECIFIED. ASPHALT LOWER LAYER: 40mm COMPACTED DEPTH SIZE 14mm TYPE HP CLASS A0E BINDER SIZE 14mm TYPE HP CL SAMI: SIZE 10 S18RF BITUMINOUS PRIMER ORDINARY BACKFILL COMPACTED TO 95% SDDR GRANULAR BASE: 110mm COMPACTED DEPTH OF 20mm NOM. SIZE CLASS 2 CRUSHED ROCK GRANULAR UPPER SUB-BASE: 150mm COMPACTED DEPTH OF 20mm GRANULAR LOWER SUB-BASE: 150mm COMPACTED DEPTH OF CLASS 4 CRUSHED ROCK CAPPING LAYER: 210mm IN TWO LIFTS OF 105mm TYPE A MATERIAL CBR VALUE OF AT LEAST 8% SWELL LESS THAN 1.0% 100mm CL ASS 400 PERMEABILITY NOT TO EXCEED 5 E-9 m/s. PERFORATED/SLOTTED PVC AGRICULTURAL PIPE IN GEOTEXTILE SOCK SURROUND TOTAL DEPTH - 710mm PAVEMENT COMPOSITION (CBR: 2.0%) ELM DRIVE, PETUNIA WAY, WATTLESEED DRIVE, CHERISH STREET & WINTON DRIVE ACCESS STREET - LEVEL 2



TEMPORARY CUT OFF DRAIN



NOTE:
MINIMUM LONGITUDINAL GRADE OF 1 In 300.
TEMPORARY SWALE TO BE CONSTRUCTED WITH ENVIRONMENTAL CONTROLS, SAFE BATTERS & TYPICAL SECTION OF TEMPORARY OUTFALL DRAIN FENCING, IF REQUIRED

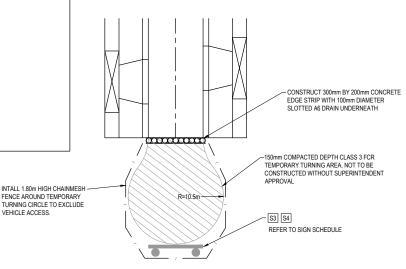
LINE OF KERB LINE OF KERB LIP OF KERB 150 TO 300 600 WIDE BARRIER EDGE STRIP DETAIL KERB (600 B2) DETAIL

ALL DIMENSIONS IN MILLIMETRES REFER STANDARD DRAWING EDCM 30 & 302 FOR KERB DETAILS.

SIGN SCHEDULE

FENCE AROUND TEMPORARY TURNING CIRCLE TO EXCLUDE VEHICLE ACCESS.

IDENTIFIER	NUMBER	SIGN
\$3	D4-5	
S4	G9-20	ROAD CLOSED



TYPICAL TEMPORARY TURN AREA DETAIL NOT TO SCALE



APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara **ENGINEERING SERVICES**

Date: 5/2/2020

CONCRETE NOTES:

- TIE BARS TO BE INSTALLED AT 400 MAXIMUM CENTRES COMMENCING 150 FROM EDGE.
- DOWEL BARS TO BE INSTALLED AT 400 CENTRES COMMENCING AT A MINIMUM OF 100 AND A MAXIMUM OF 200 FROM THE EDGE OF PATH, 16 DIAMETER PVC SLEEVE WITH END CAP OR CLOSED END TO BE FITTED TO ONE END OF THE BAR. DOWEL BARS TO BE SECURELY TIED TO LONGITUDINAL REINFORCING MESH.
- EXPANSION JOINTS (EJ) LOCATED BOTH SIDE OF VEHICLE CROSSING AND AT A MAXIMUM
- WEAKENED PLANE JOINTS LOCATED AT SPACINGS EQUAL TO THE WIDTH OF THE PATH AND MADE WITH A Υ IRON OR CONCRETE SAW CUT.
- IN SHARED PATHS WEAKENED PLANE JOINTS MUST BE MADE BY CONCRETE SAW CUTTING
- CONCRETE TO BE LIGHT BROOM FINISH WITH EDGE AND JOINTS NEATLY TOOLED AFTER THE BROOM IS APPLIED.
 - ALL FINISHED SURFACES TO COMPLY WITH AS 4586 SLIP RESISTANT CLASSIFICATION OF NEW PEDESTRIAN SURFACE MATERIAL.
 - THE USE OF COLOURED CONCRETE MUST BE APPROVED BY COUNCIL. MINIMUM STRENGTH OF COLOURED CONCRETE TO BE 32 MPa.
- FORMWORK TIMBER TO BE MIN. 125mm DEEP
- 10. ALL DIMENSIONS IN MILLIMETRES.
- SHARED PATHS TO BE 3.0m IN WIDTH MINIMUM. REFER TO APPROVED CONSTRUCTION PLANS FOR ACTUAL WIDTH.

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50mm THICK, 20mm NOMINAL

SIZE CLASS 3 CRUSHED ROCK

COMPACTED TO 90% MODIFIED

TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION

1500 MIN.

1 IN 50 CROSSFALL

125 mm THICK N25 CONCRETE PATH WITH

SL72 MESH CENTRALLY 50mm TOP COVER.

MESH TO HAVE 50mm COVER TO ALL EDGES

NATURE STRIP

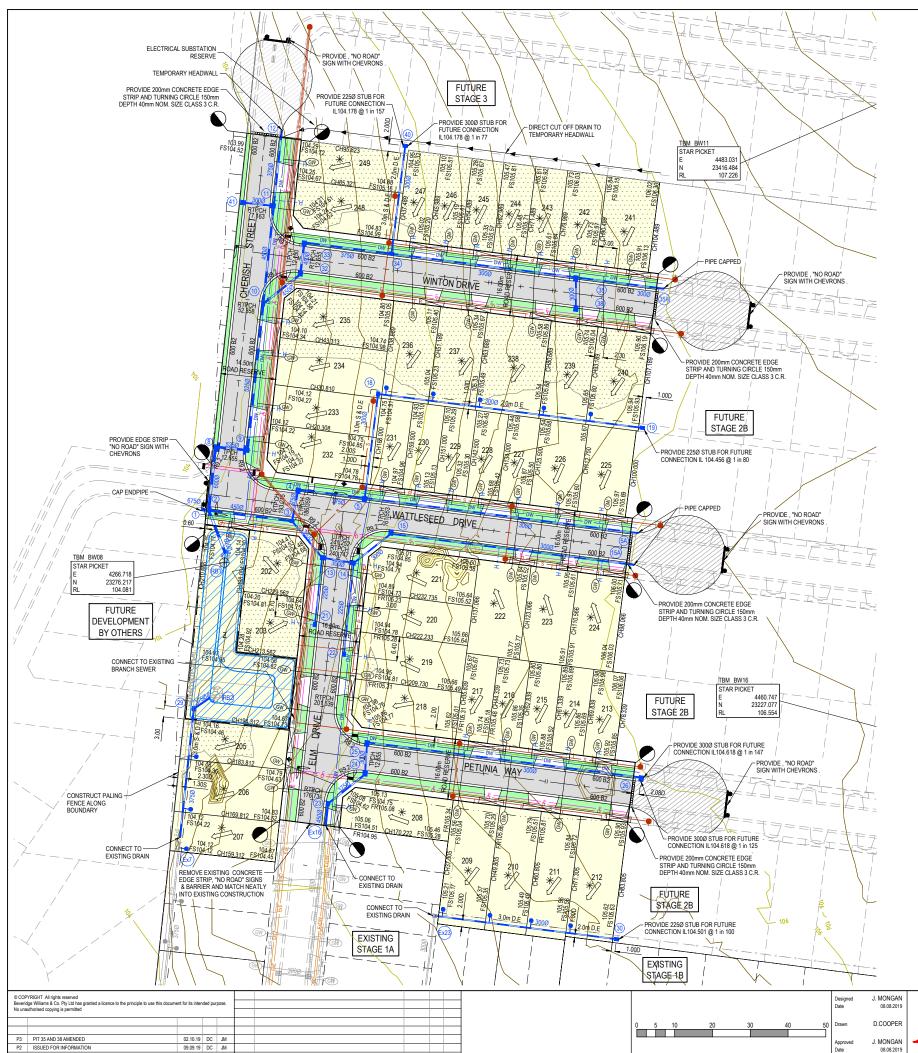
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BOTANIA ESTATE STAGE 2A

MELTON CITY COUNCIL Drawing TYPICAL ROAD CROSS SECTIONS

Sheet 02 of 26 NOT TO SCALE 700987 02A 002 P2

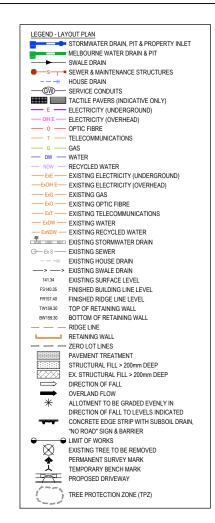


30.04.19 LS JM

DATE DRN. APP.



APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara **ENGINEERING SERVICES** Date: 5/2/2020



ROAD LAYOUT TABLE

Road Name	Road	Reserve Width (m)	I	Road Width (r	n)	Kerb	Туре	Verge Width (m)		
Road Name	Classification		Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East	
ELM DRIVE	VE ACCESS ROAD 16.00		6.40	7.30	7.60	600 B2	600 B2	2.80	2.80	
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	
CHERISH STREET	ACCESS ROAD	14.50	6.40	7.30	7.60	600 B2	600 B2	4.45	1.20	
WINTON DRIVE	ACCESS ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	2.80	2.80	

SERVICE OFFSET TABLE												
	Gas Water			Elec	tricity	Telecomr	nunication	Sewer		Branch	Sewer	
Location	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
ELM DRIVE	E	2.00	Е	2.50	W	2.60	W	1.90	E	1.00	W	1.00
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	-	-
CHERISH STREET	E	3.60	Е	4.10	Е	2.60	E	1.90	-	-	E	1.00
WINTON DRIVE	N	2.00	N	2.50	S	2.60	S	1.90	N&S	1.00	-	-

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

WARNING

BEWARE OF UNDERGROUND SERVICES he 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 show

DIAL 1100 BEFORE YOU DIG

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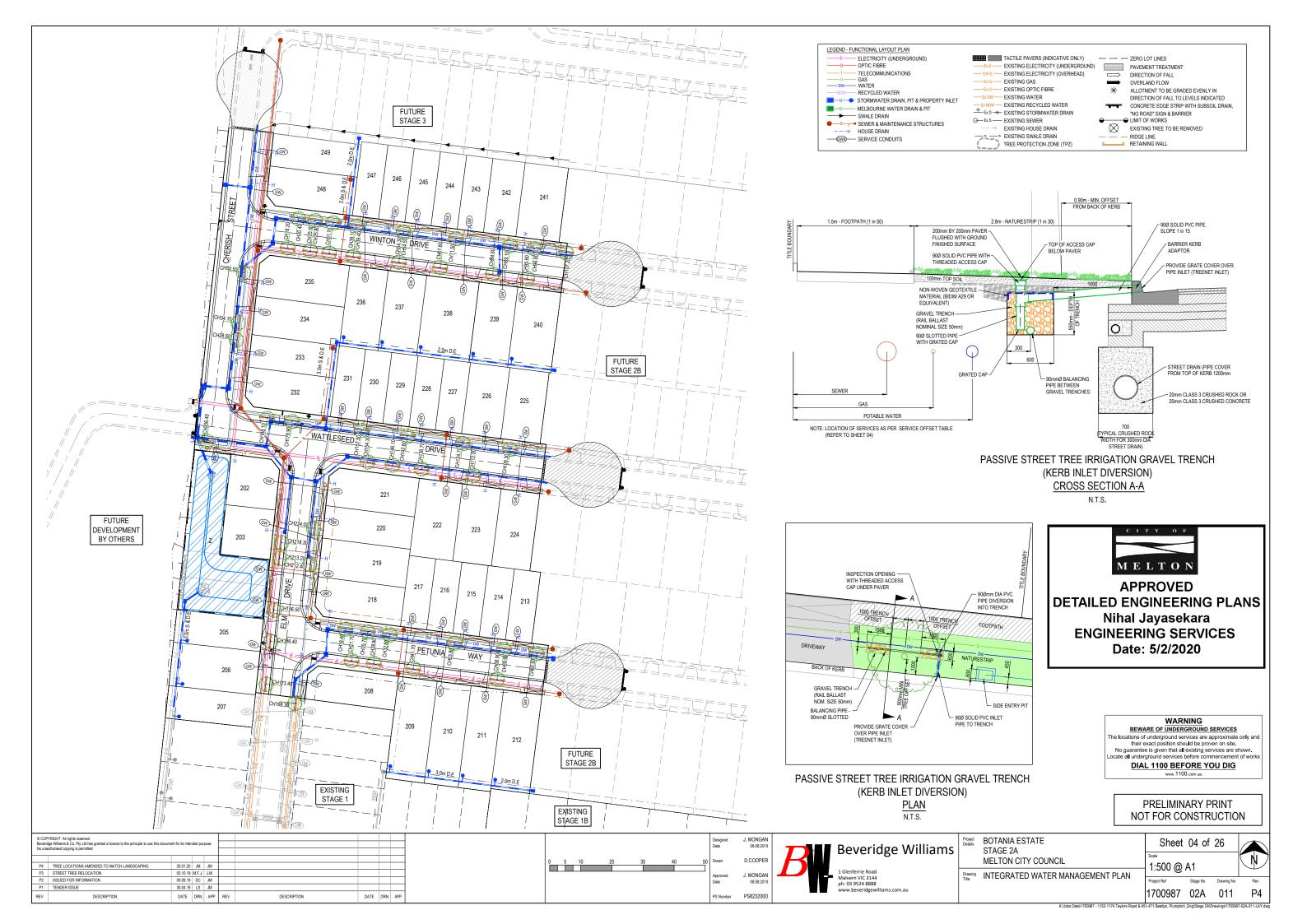


BOTANIA ESTATE STAGE 2A MELTON CITY COUNCIL Drawing LAYOUT PLAN

Sheet 03 of 26

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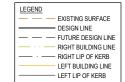
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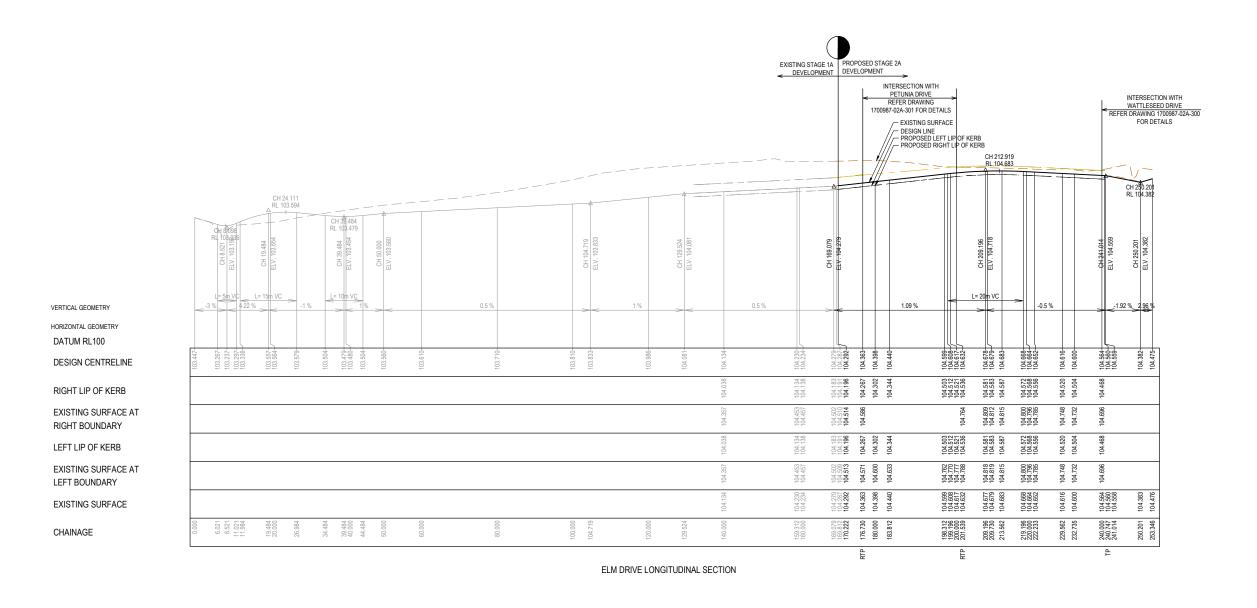




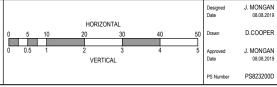
DETAILED ENGINEERING PLANS Nihal Jayasekara

ENGINEERING SERVICES
Date: 5/2/2020





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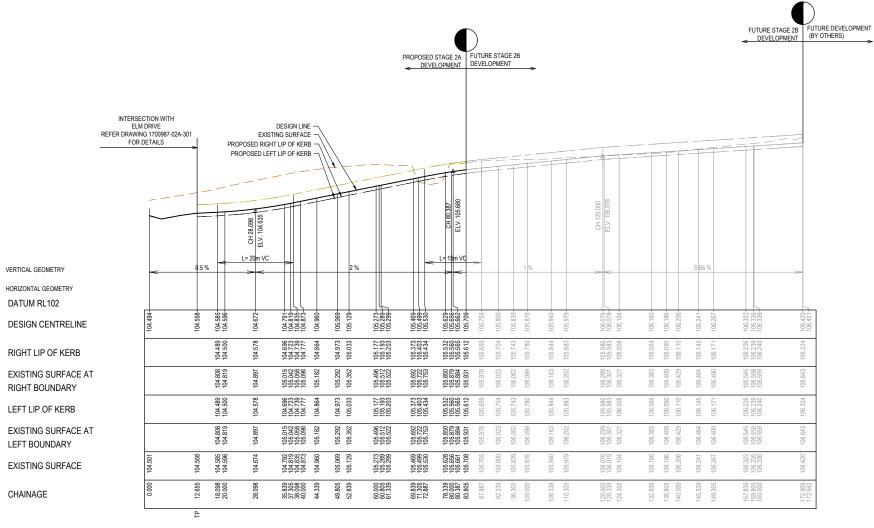
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	Drawing Title			Project Ref	Stage No	Drawing No	Rev
		ELM DRIVE		1700987	02A	100	P2



DETAILED ENGINEERING PLANS Nihal Jayasekara ENGINEERING SERVICES

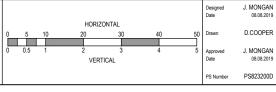
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PETUNIA WAY LONGITUDINAL SECTION

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Project Details	BOTANIA ESTATE STAGE 2A	Sheet						
		MELTON CITY COUNCIL	1:500 H 1:50 V @ A1					
	Drawing	ROAD LONGITUDINAL SECTIONS PETUNIA WAY	1.50011	1.50 V	W 71			
	Title		Project Ref	Stage No	Drawing No	Rev		
			1700987	02A	101	P2		



APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara ENGINEERING SERVICES

Date: 5/2/2020

LEGEND

EXISTING SURFACE

DESIGN LINE

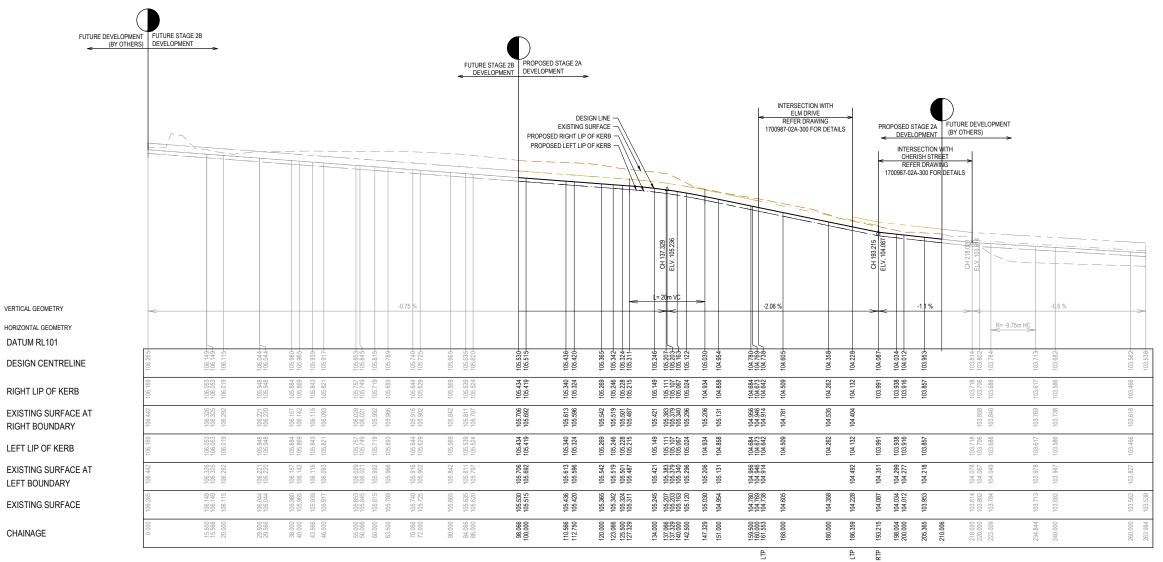
FUTURE DESIGN LINE

RIGHT BUILDING LINE

RIGHT LIP OF KERB

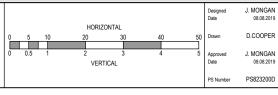
LEFT BUILDING LINE

LEFT BUILDING LINE



WATTLESEED DRIVE LONGITUDINAL SECTION

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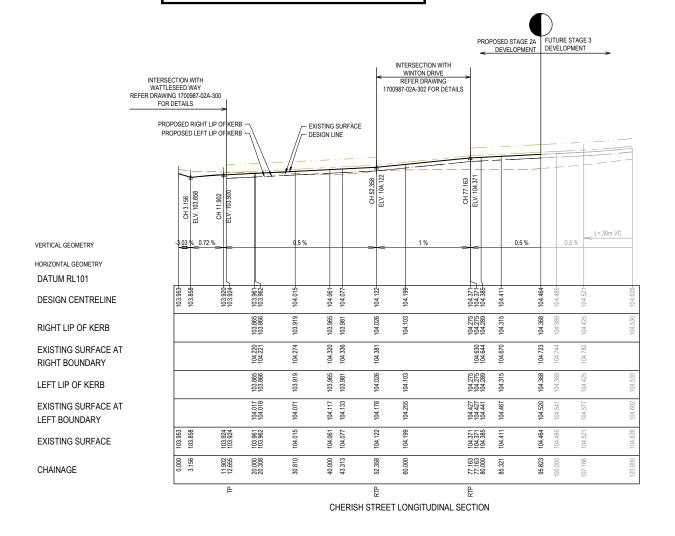
าร	Project Details	BOTANIA ESTATE STAGE 2A	Sheet	07 of	26	
		MELTON CITY COUNCIL	1:500 H ²	1.50 \/	@ Δ1	
	Drawing Title	ROAD LONGITUDINAL SECTIONS WATTLESEED DRIVE	Project Ref	Stage No	Drawing No	Rev
		WATTLESEED DRIVE	1700987	02A	102	P2



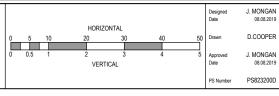
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Nihal Jayasekara ENGINEERING SERVICES Date: 5/2/2020





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			<u> </u>	_					$\overline{}$
P1	TENDER ISSUE	30.04.19	LS	JM					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.





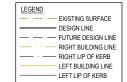
Project Details	BOTANIA ESTATE STAGE 2A	Sheet 08 of 26	
	MELTON CITY COUNCIL	1:500 H 1:50 V @ A1	7
Drawing Title	ROAD LONGITUDINAL SECTIONS CHERISH STREET	Project Ref Stage No Drawing N	o Rev
	CHERISH STREET	1700987 02A 103	P2

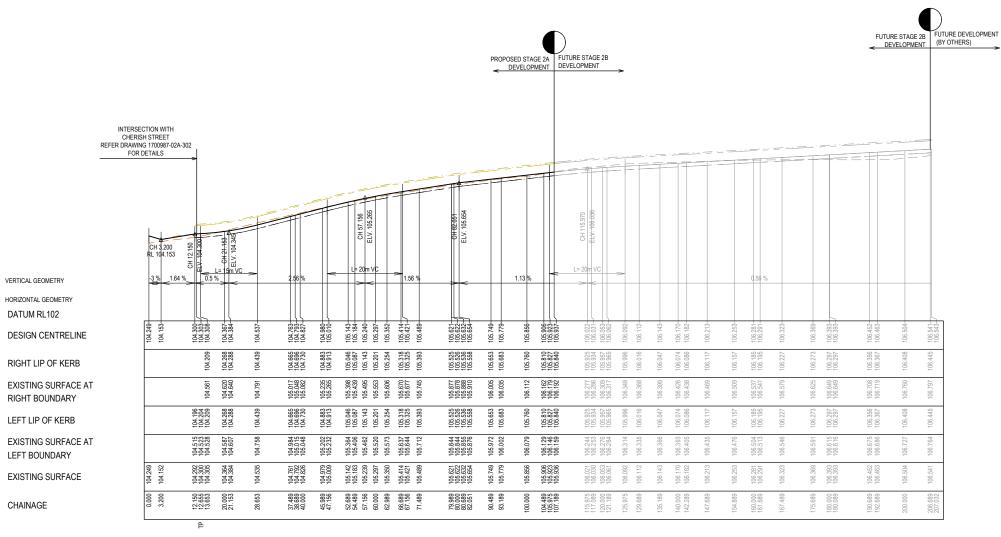


APPROVED DETAILED ENGINEERING PLANS

Nihal Jayasekara ENGINEERING SERVICES

Date: 5/2/2020





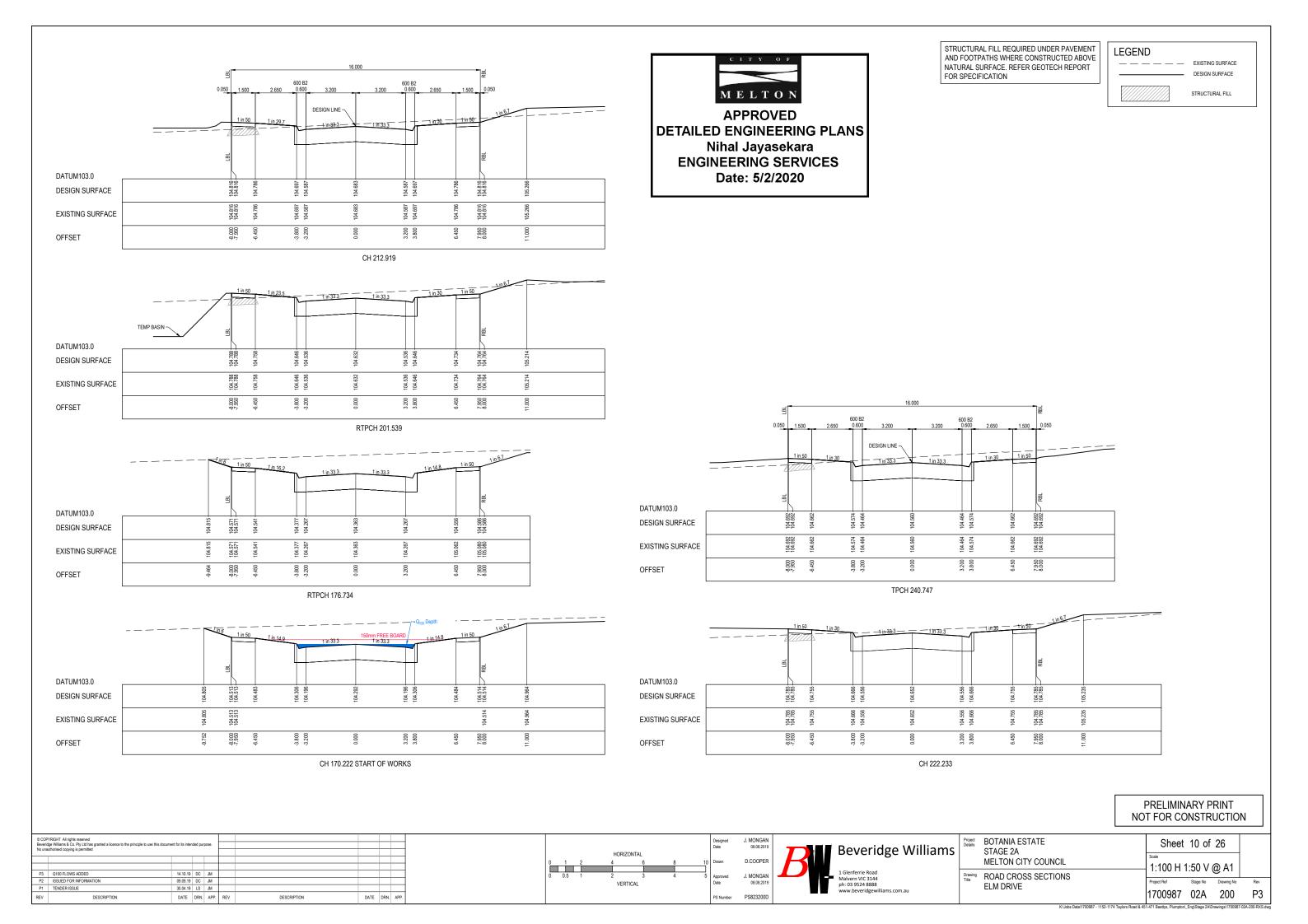
WINTON DRIVE LONGITUDINAL SECTION

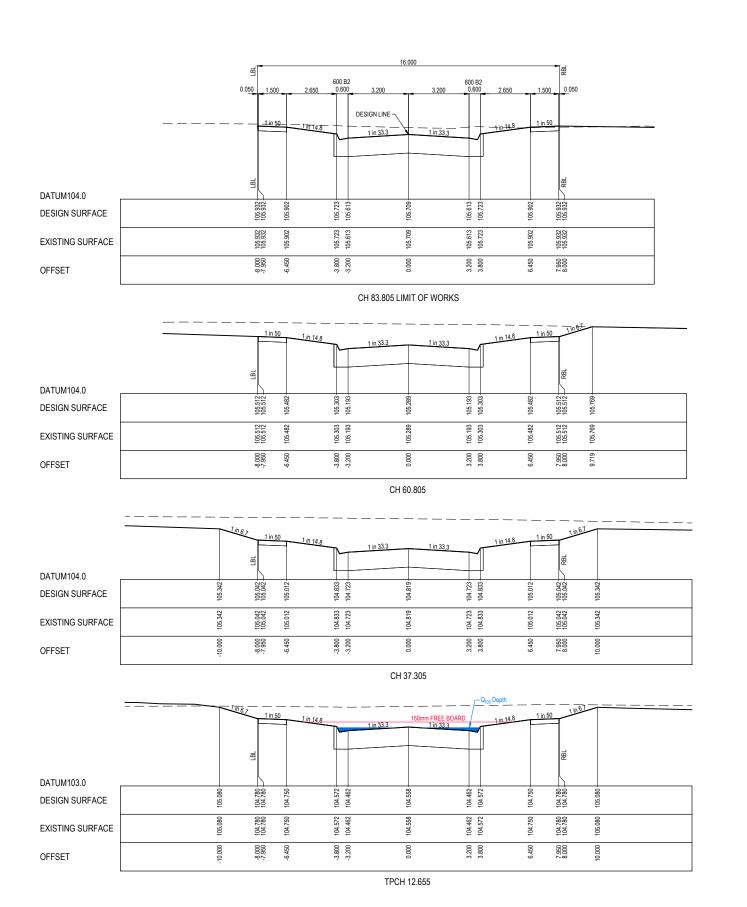
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P2	ISSUED FOR INFORMATION	09.09.19	DC	JM]
P1	TENDER ISSUE	30.04.19	LS	JM						1
REV	EV DESCRIPTION DATE DRN. APP					DESCRIPTION	DATE	DRN.	APP.	

			LIODIZ	OUTAL			Designed Date	J. MONGAN 08.08.201
0_	5	10	HORIZ	ONTAL 30	40	50	Drawn	D.COOPEF
0	0.5	1	2 VERT	3 TICAL	4	5	Approved Date	J. MONGAN 08.08.201
							PS Number	PS823200E

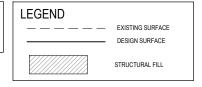


Project Details	BOTANIA ESTATE STAGE 2A	Sheet 09 of 26	
	MELTON CITY COUNCIL	Scale 1:500 H 1:50 V @ A1	
Drawing	ROAD LONGITUDINAL SECTIONS	1.300 11 1.30 V @ A1	
Title	WINTON DRIVE	Project Ref Stage No Drawing No	Rev
	WINTON DRIVE	1700987 02A 104	P2





STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

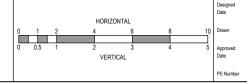




APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara **ENGINEERING SERVICES**

Date: 5/2/2020

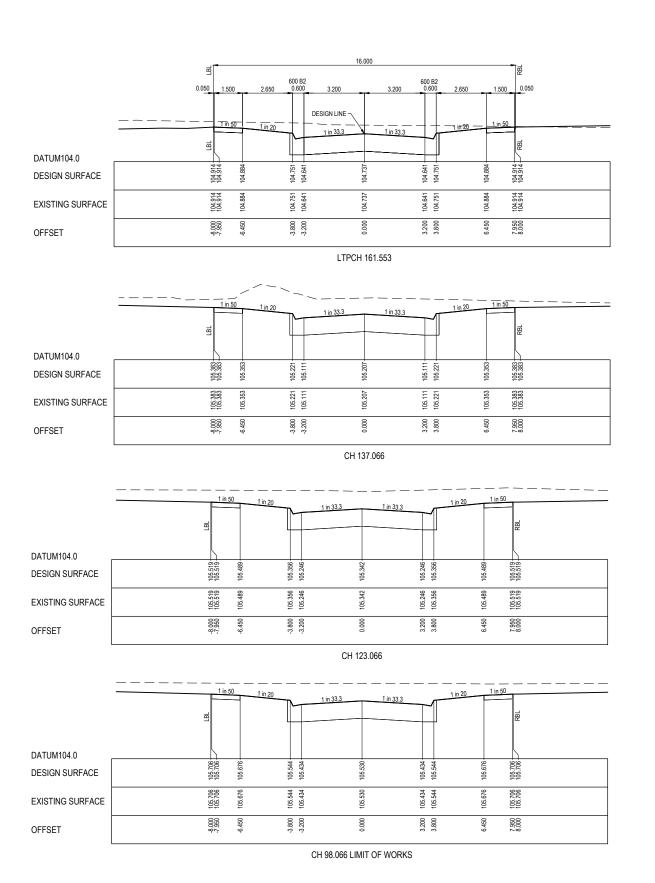
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P1	TENDER ISSUE	30.04.19	LS	JM					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



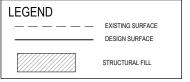


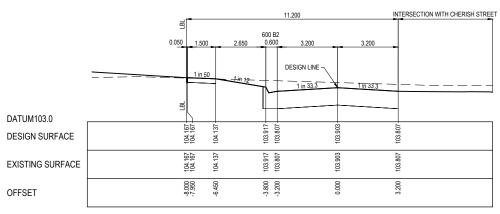
2	Beveridge Williams	Pro Det
.	1 Glenferrie Road	Dra
١.	Malvern VIC 3144	Title
1	ph: 03 9524 8888	
	havaridaavilliaasa aasa av	

Project Details	BOTANIA ESTATE STAGE 2A	STATE						
	MELTON CITY COUNCIL		1:100 H 1:50 V @ A1					
Drawing Title	ROAD CROSS SECTIONS							
1106	PETUNIA WAY		Project Ref	Stage No	Drawing No	Rev		
			1700987	02A	201	P3		

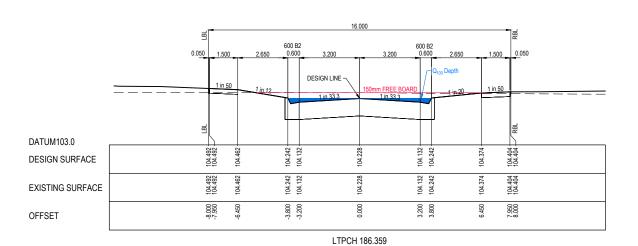


STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION





CH 210.006 LIMIT OF WORKS





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Nihal Jayasekara
ENGINEERING SERVICES
Date: 5/2/2020

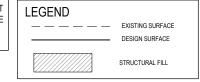
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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

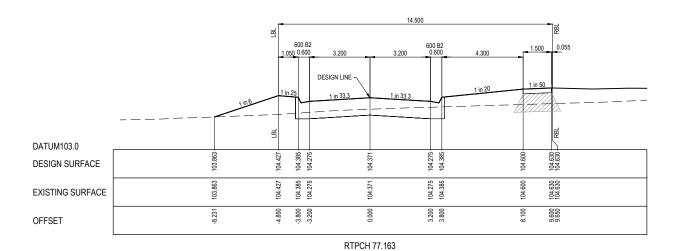
							Designed Date	J. MONGA 08.08.20
			HORIZONTA	AL.				
0	1	2	4	6	8	10	Drawn	D.COOPE
0	0.5	1	2	3	4	-5	Approved	J. MONGA
			VERTICAL	-			Date	08.08.20
							PS Number	PS823200



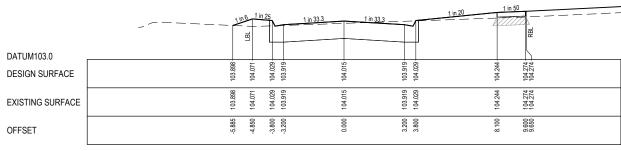
:	Project Details	BOTANIA ESTATE STAGE 2A	Sheet	12 of	26	
,		MELTON CITY COUNCIL	Scale 1:100 H ²	1·50 \/	@ Δ1	
	Drawing Title	ROAD CROSS SECTIONS				
	1100	WATTLESEED DRIVE	Project Ref	Stage No	Drawing No	Rev
			1700987	02A	202	P3

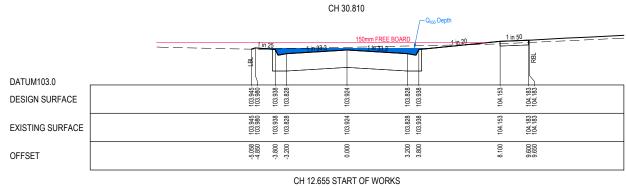
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION





RTPCH 52.358





M E L T O N

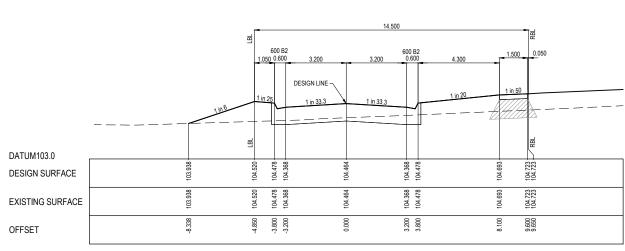
APPROVED

DETAILED ENGINEERING PLANS

Nihal Jayasekara

ENGINEERING SERVICES

Date: 5/2/2020



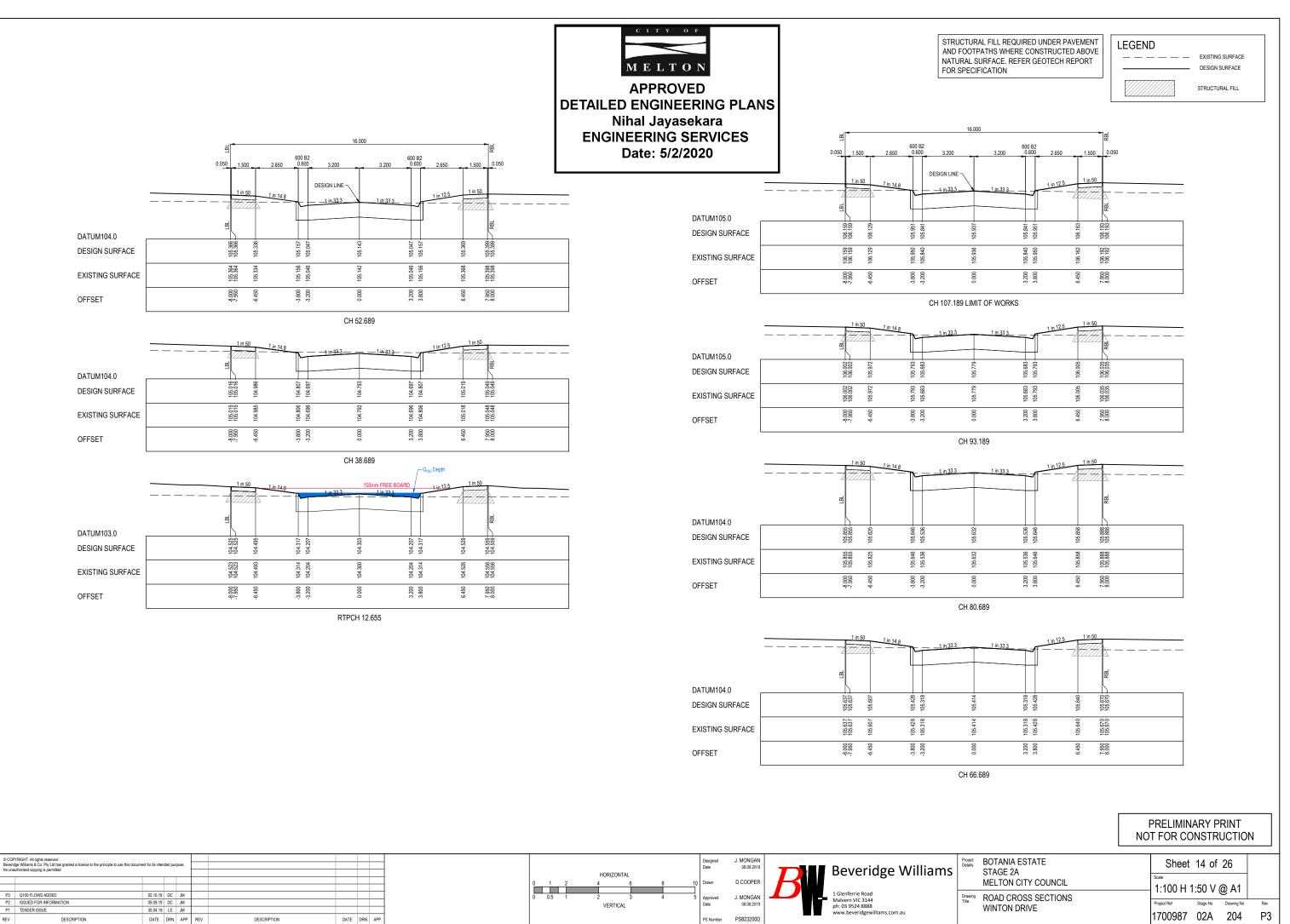
CH 95.823 LIMIT OF WORKS

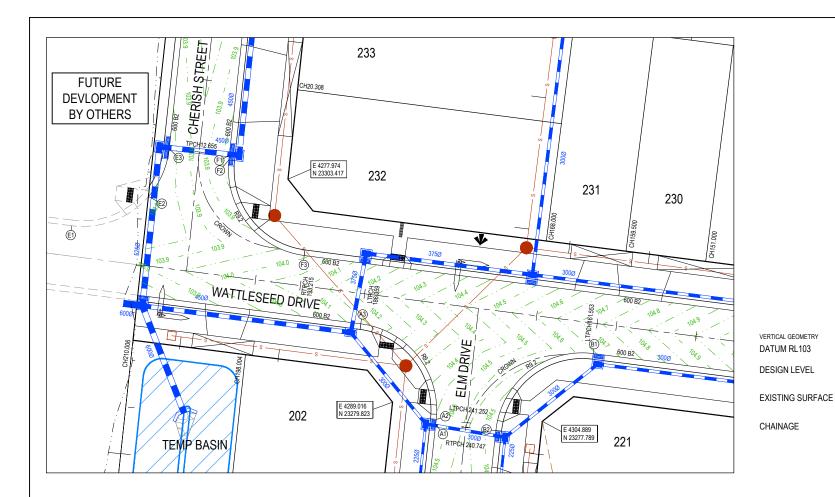
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P3	Q100 FLOWS ADDED	02.10.19	DC	JM						1
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							PS Number	PS



	Project Details	BOTANIA ESTATE STAGE 2A	Sheet	13 of	26	
,		MELTON CITY COUNCIL	Scale 1:100 H '	1.50 \/	ര മ1	
	Drawing Title	ROAD CROSS SECTIONS				
		CHERISH STREET	Project Ref	Stage No	Drawing No	Rev
			1700987	02A	203	P3





CH3.503 RL 104.424 CH3.503 RL 104.424 CH10.644 RL 104.215 LE 7.18m VC 2.23% 2.20% 2.06% 2.0

M E L T O N

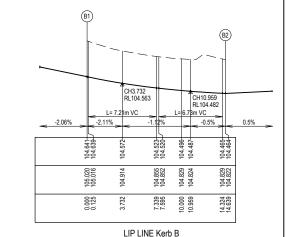
APPROVED

DETAILED ENGINEERING PLANS

Nihal Jayasekara

ENGINEERING SERVICES

Date: 5/2/2020



Alignment A

 Point no
 Easting
 Northing
 RL

 Kerb A1
 4293.594
 23277.504
 104.464

 Kerb A2
 4293.648
 23278.006
 104.459

 Kerb A3
 4285.670
 23288.115
 104.132

 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mid point RL

 Kerb A2 - Kerb A3
 88.833
 9.200
 14.264
 2.629
 1.946
 3.477
 2.961
 3.566
 104.318

Alignment B

pint no Easting Northing RL erb B1 4310.274 23284.962 104.641 erb B2 4299.957 23276.820 104.464

 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mid point RL

 Kerb B1 - Kerb B2
 91.167
 9.200
 14.639
 2.761
 2.043
 3.564
 3.007
 3.660
 104.523

Alignment E

 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mild point RL

 Kerb E1- Kerb E2
 56.317
 9.200
 9.043
 1.089
 0.812
 2.238
 2.104
 2.261
 103.752

 Kerb E2- Kerb E3
 34.850
 9.200
 5.596
 0.422
 0.316
 1.394
 1.361
 1.399
 103.807

Alignment F

 Point no
 Easting
 Northing
 RL

 Kerb F1
 4271.759
 23305.946
 103.828

 Kerb F2
 4271.705
 23305.444
 103.830

 Kerb F3
 4279.683
 23295.335
 103.991

 Curve no
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 Radius
 Arc
 A
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 X
 Y
 I
 Mid point RL

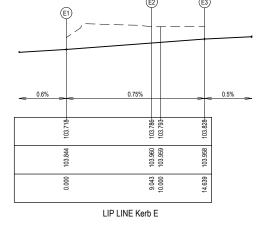
 Kerb F2 - Kerb F3
 88.833
 9.200
 14.264
 2.629
 1.946
 3.477
 2.961
 3.566
 103.889

VERTICAL GEOMETRY
DATUM RL103

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



VERTICAL GEOMETRY
DATUM RL103
DESIGN LEVEL
EXISTING SURFACE

CHAINAGE

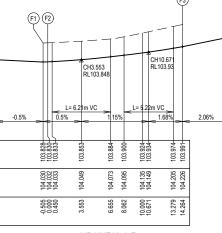
VERTICAL GEOMETRY

DATUM RL104

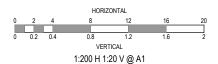
DESIGN LEVEL

CHAINAGE

EXISTING SURFACE



LIP LINE Kerb F



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

LIP PROFILE SETOUT

STORMWATER DRAIN, PIT & PROPERTY INLET

MELBOURNE WATER DRAIN & PIT

SWALE DRAIN

SEWER & MAINTENANCE STRUCTURES

---H HOUSE DRAIN

TACTILE PAVERS (INDICATIVE ONLY)

EXISTING HOUSE DRAIN

LIMIT OF WORKS
EXISTING TREE TO BE REMOVED
PERMANENT SURVEY MARK

PAVEMENT TREATMENT

TEMPORARY BENCH MARK PROPOSED DRIVEWAY

CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER

LEGEND

Designed J. MONGAN 08.08.2019

2 4 8 12 16 20 Drawn D.COOPER Approved J. MONGAN 08.08.2019

PS Number PS823200D



Project Details	BOTANIA ESTATE STAGE 2A MELTON CITY COUNCIL
Drawing Title	INTERSECTION DETAILS (SHEET 1 OF 3)

Sheet 15 of 26

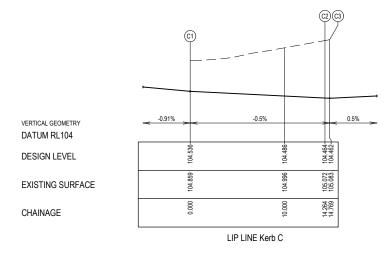
Scale

1:200 @ A1

Project Ref Stage No Drawing No Rev

1700987 02A 300 P2





VERTICAL GEOMETRY

DATUM RL104

DESIGN LEVEL

EXISTING SURFACE

CH3.66

CH10.979

RL104.443

L= 7.32m VC

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Alignment C

 Point no
 Easting C1
 Northing 4295.766
 RL 104.536

 C2
 4303.743
 23227.728
 104.464

 C3
 4304.244
 23227.663
 104.462

 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mid point RL

 C1 - C2
 88.833
 9.200
 14.264
 2.629
 1.946
 3.477
 2.961
 3.566
 104.500

Alignment D

LIP PROFILE SETOUT

 Point no
 Easting
 Northing
 RL

 D1
 4303.431
 23221.315
 104.462

 D2
 4293.114
 23213.174
 104.267

 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mid point RL

 D1-D2
 91.167
 9.200
 14.639
 2.761
 2.043
 3.564
 3.007
 3.660
 104.375



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Nihal Jayasekara
ENGINEERING SERVICES
Date: 5/2/2020

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1:200 H 1:20 V @ A1

LEGEND

STORMWATER DRAIN, PIT & PROPERTY INLET

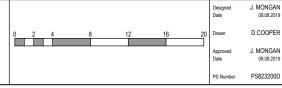
CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER

MELBOURNE WATER DRAIN & PIT
SWALE DRAIN

LIMIT OF WORKS
EXISTING TREE TO BE REMOVED
PERMANENT SURVEY MARK

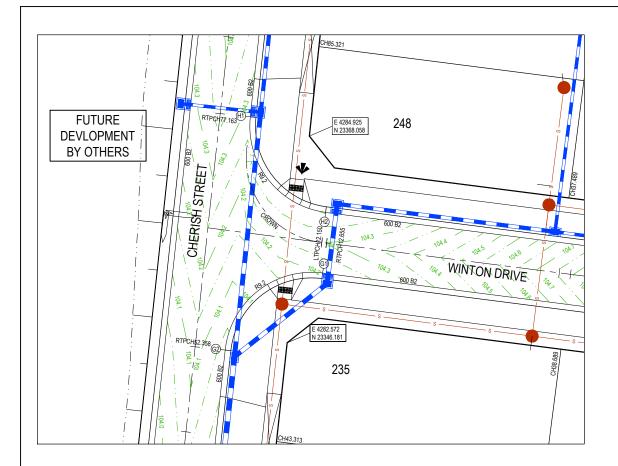
TEMPORARY BENCH MARK PROPOSED DRIVEWAY

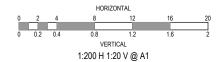
SEWER & MAINTENANCE STRUCTURES
HOUSE DRAIN
TACTILE PAVERS (INDICATIVE ONLY)
EXISTING HOUSE DRAIN
RETAINING WALL
PAVEMENT TREATMENT

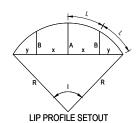




S	Project Details	BOTANIA ESTATE STAGE 2A	Sheet	16 of	26
,		MELTON CITY COUNCIL	Scale		-
		WELTON CITT COUNCIL	1:200 @	Α1	
	Drawing Title	INTERSECTION DETAILS			
	1106	(SHEET 2 OF 3)	Project Ref	Stage No	Drawing No
		(511221 2 51 5)	1700987	02A	301







LEGEND

STORMWATER DRAIN, PIT & PROPERTY INLET MELBOURNE WATER DRAIN & PIT ───── SWALE DRAIN

> CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER LIMIT OF WORKS EXISTING TREE TO BE REMOVED PERMANENT SURVEY MARK

SEWER & MAINTENANCE STRUCTURES HOUSE DRAIN TACTILE PAVERS (INDICATIVE ONLY) EXISTING HOUSE DRAIN RETAINING WALL PAVEMENT TREATMENT

TEMPORARY BENCH MARK PROPOSED DRIVEWAY

Alignment G

Easting Northing RL 4286.320 23353.564 104.204 4276.004 23345.422 104.026
 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mid point RL

 G1 - G2
 91.167
 9.200
 14.639
 2.761
 2.043
 3.564
 3.007
 3.660
 104.115

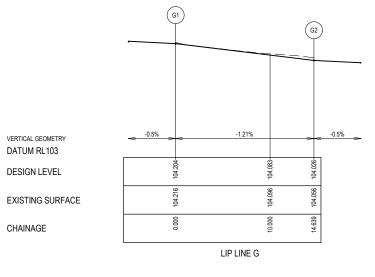
Alignment H

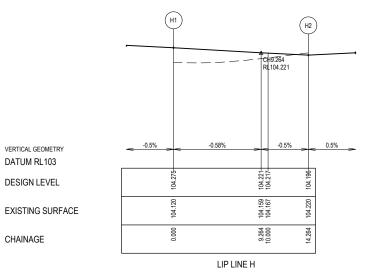
 Point no
 Easting H1
 Northing 4278.655
 RL 23370.085
 104.275 104.196

 H2
 4286.633
 23359.976
 104.196

 Curve no
 I
 Radius
 Arc
 A
 B
 X
 Y
 I
 Mid point RL

 H1 - H2
 88.833
 9.200
 14.264
 2.629
 1.946
 3.477
 2.961
 3.566
 104.233





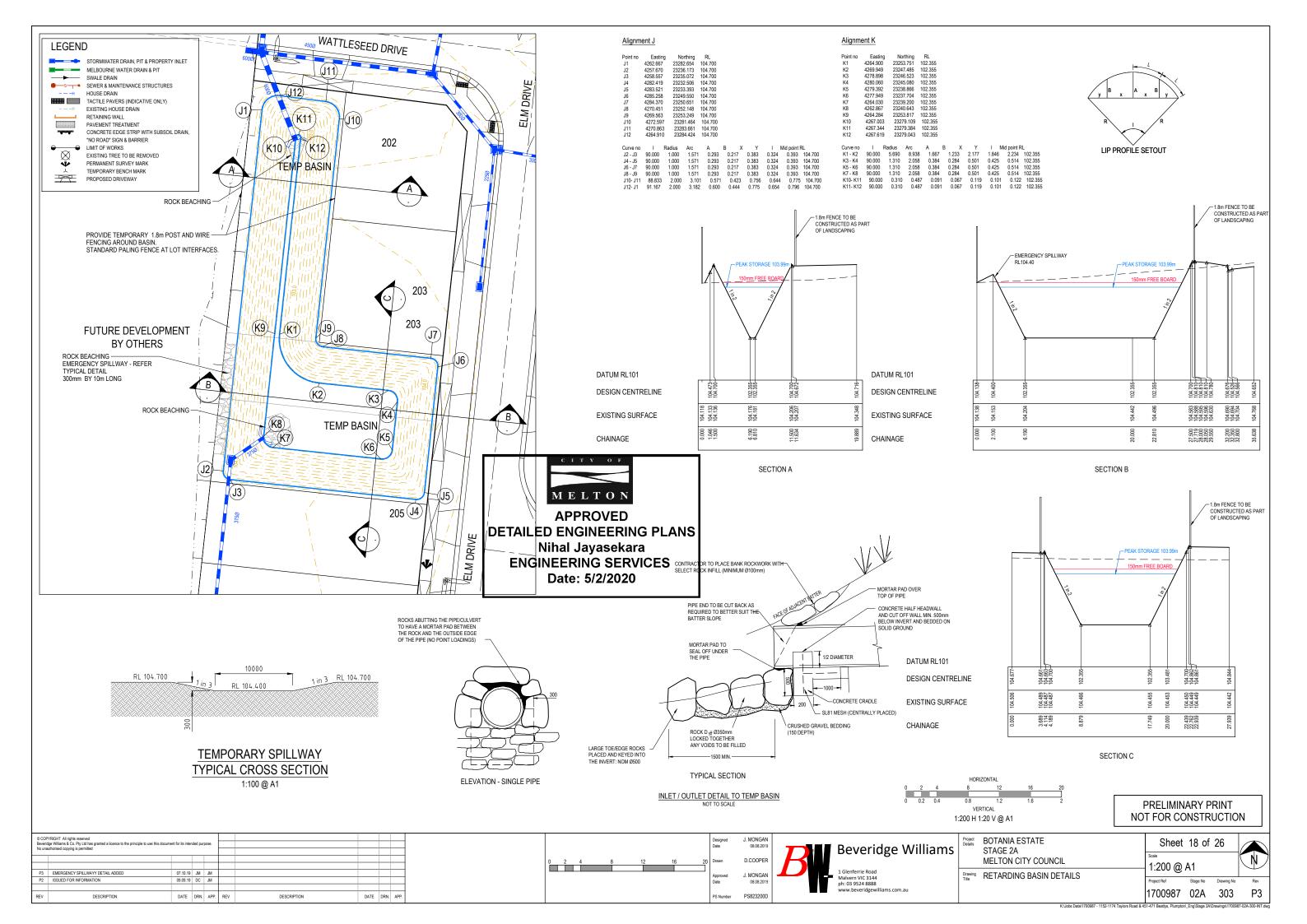


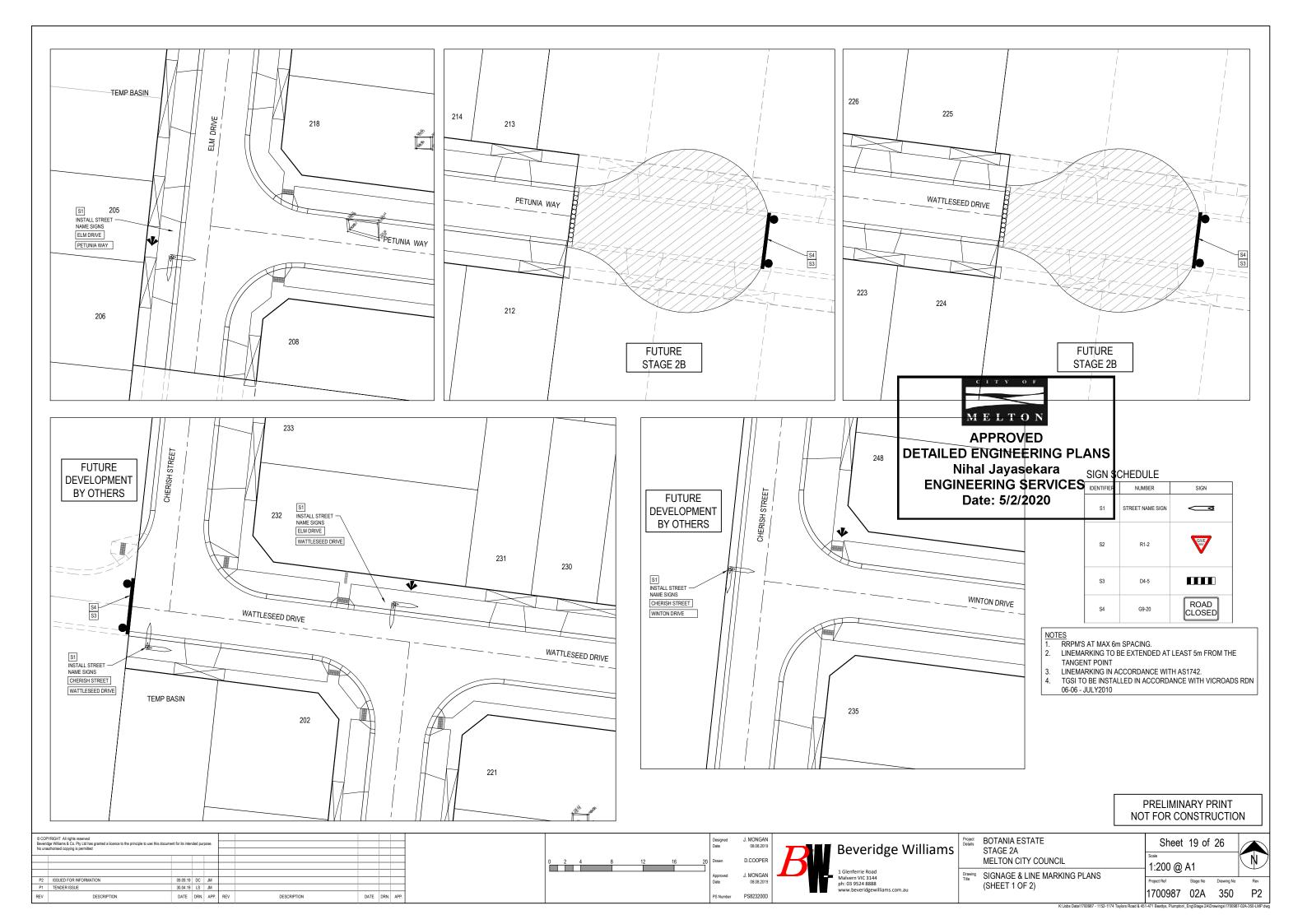
APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara **ENGINEERING SERVICES** Date: 5/2/2020

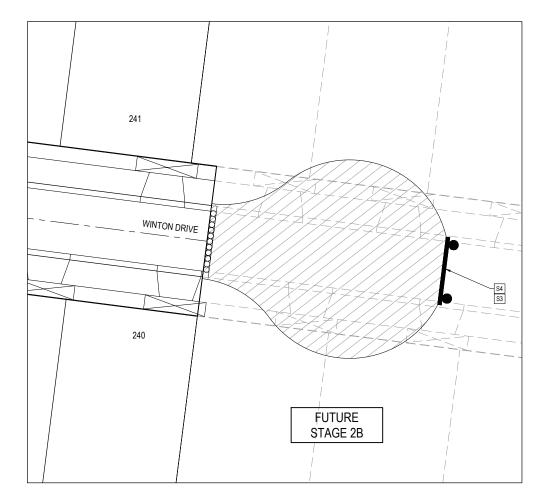
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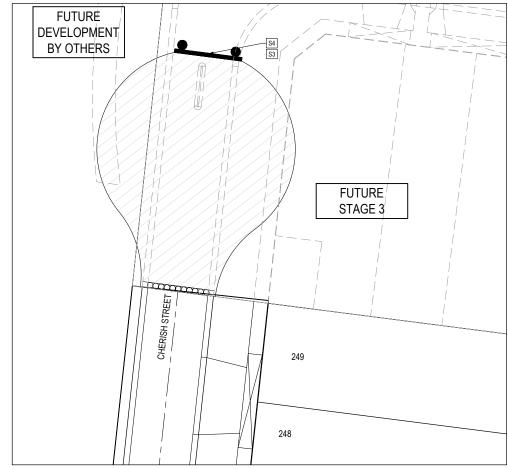
Project Details BOTANIA ESTATE J. MONGAN 08.08.2019 Sheet 17 of 26 Beveridge Williams STAGE 2A D.COOPER MELTON CITY COUNCIL N 1:200 @ A1 Drawing Title INTERSECTION DETAILS 08.08.2019 (SHEET 3 OF 3) 30.04.19 LS JM 1700987 02A 302 P2 DATE DRN. APP. REV L K:\Jobs Data\1700987 - 1152-1174 Taylors Road & 451-471 Beattys, Plumpton_Eng\Stage 2A\Drawings\1700987-02A-300-INT.dw

CHAINAGE











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SIGN SCHEDULE

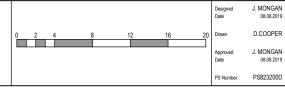
0.0	J. 125 0 2 2	
IDENTIFIER	NUMBER	SIGN
S1	STREET NAME SIGN	◯ ⊴
S2	R1-2	GIVE WAY
\$3	D4-5	
\$4	G9-20	ROAD CLOSED

- NOTES
 1. RRPM'S AT MAX 6m SPACING.
 2. LINEMARKING TO BE EXTENDED AT LEAST 5m FROM THE TANGENT POINT

- 3. LINEMARKING IN ACCORDANCE WITH AS1742.
 4. TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 JULY2010

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30.04.19 LS JM DATE DRN. APP. REV





Project Details BOTANIA ESTATE STAGE 2A MELTON CITY COUNCIL

Drawing SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)

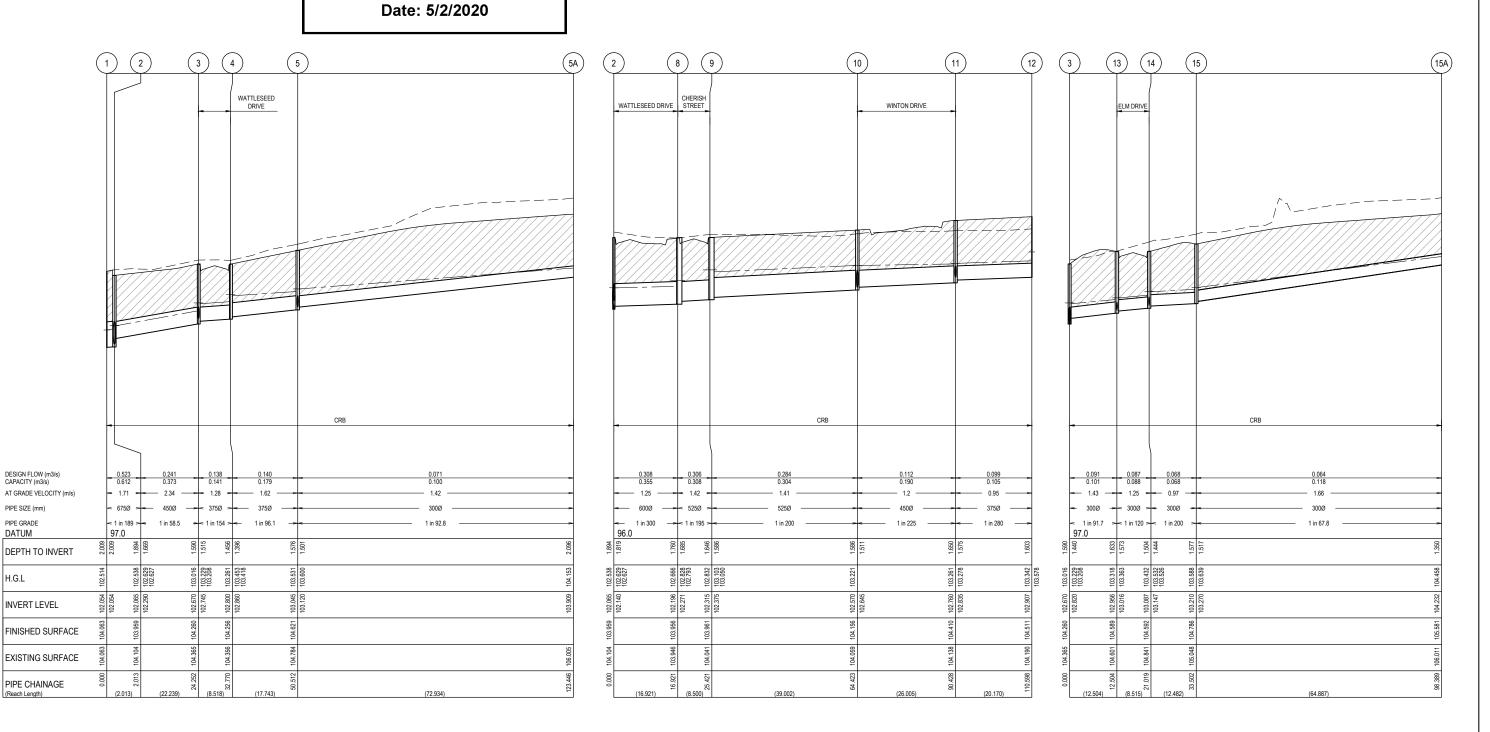
Sheet 20 of 26 1:200 @ A1 1700987 02A 351 P2



APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara **ENGINEERING SERVICES**

NOTES: ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

— EXISTING SURFACE DESIGN SURFACE DRAINAGE PIPE/PIT
EXISTING DRAINAGE PIPE/PIT --- HYDRAULIC GRADE LINE DENOTES 20mm CLASS 3 FCR BACKFILL.



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P2	ISSUED FOR INFORMATION	09.09.19	DC	JM					
P1	TENDER ISSUE	30.04.19	LS	JM					
REV	REV DESCRIPTION DATE DRN. APP.					DESCRIPTION	DATE	DRN.	APP.

PIPE SIZE (mm)

PIPE GRADE

DATUM

H.G.L

			HORIZO	ONTAL			Designed Date	J. M
0	5	10	20	30	40	50	Drawn	D.C
	0.5	1	2	3	4	5	Approved	J. M
			VERT	ICAL			Date	(
							PS Number	PS8



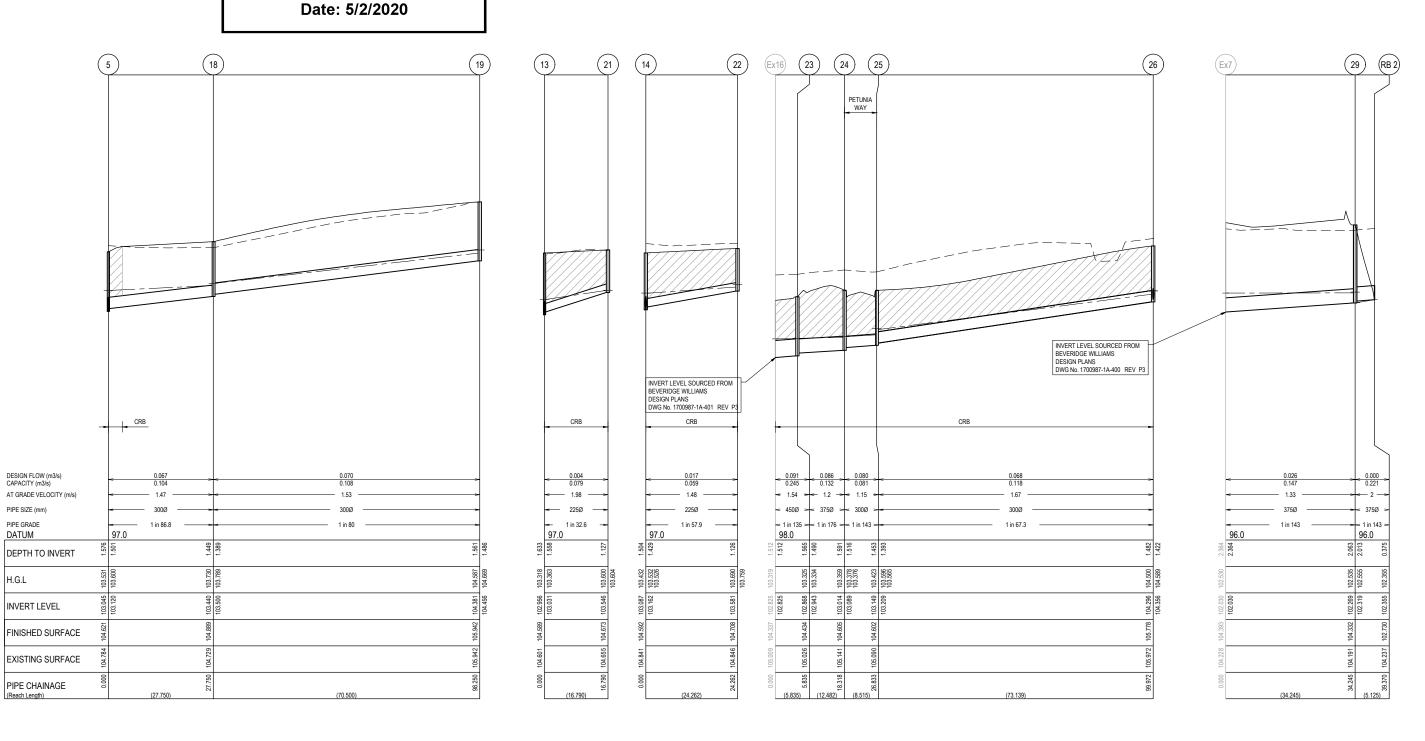
Details	BOTANIA ESTATE STAGE 2A	Sheet	21 of	26		
_	MELTON CITY COUNCIL	1:500 H 1:50 V @ A1				
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS				1	
	SHEET 1 OF 3)	Project Ref	Stage No	Drawing No	Rev	
(-	STILL I OF 3)	1700987	02A	400	P3	



DETAILED ENGINEERING PLANS Nihal Jayasekara **ENGINEERING SERVICES**

NOTES: ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

 EXISTING SURFACE DESIGN SURFACE DRAINAGE PIPE/PIT
EXISTING DRAINAGE PIPE/PIT HYDRAULIC GRADE LINE DENOTES 20mm CLASS 3 FCR BACKFILL.



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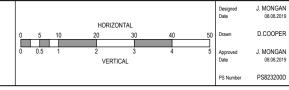
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P1	TENDER ISSUE	30.04.19	LS	JM					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

PIPE SIZE (mm)

PIPE GRADE

DATUM

H.G.L





	•						
Project Details	BOTANIA ESTATE STAGE 2A	Sheet 22 of 26					
	MELTON CITY COUNCIL	1:500 H 1:50 V @ A1					
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS	1.00011	1.50 V	W / 1			
	(SHEET 2 OF 3)	Project Ref	Stage No	Drawing No	Rev		
	(STEET 2 OF 3)	1700987	02A	401	P3		

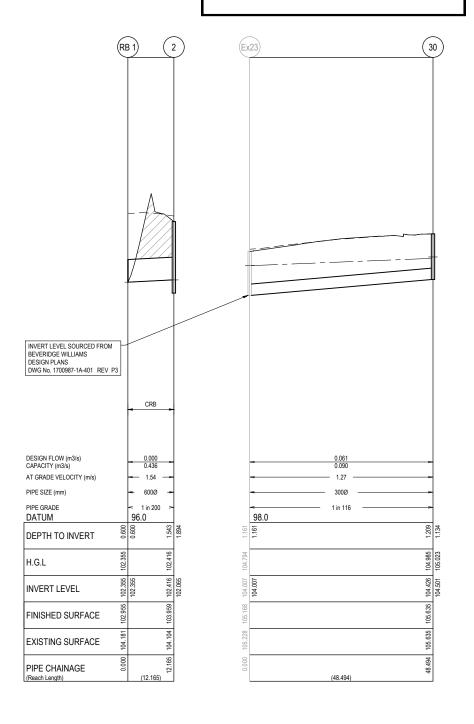


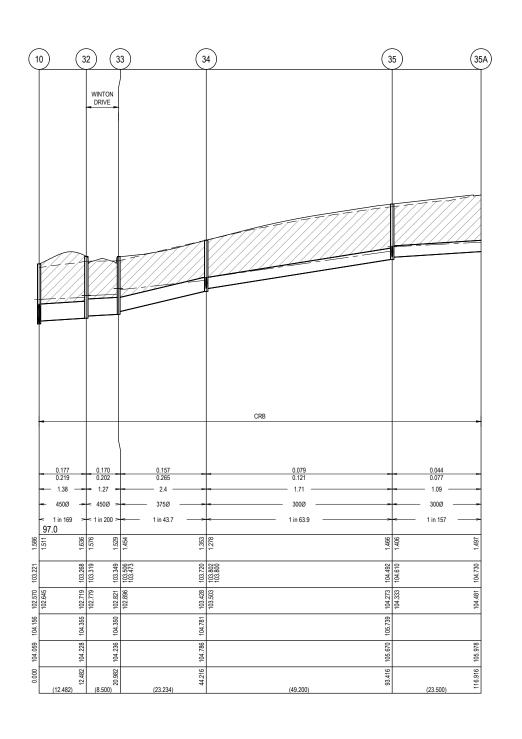
APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara ENGINEERING SERVICES Date: 5/2/2020

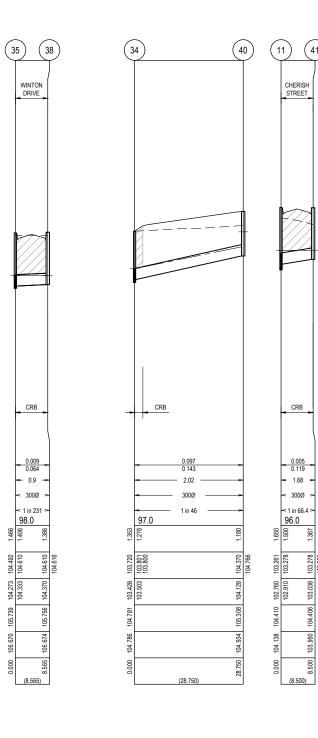
NOTES: ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND

EXISTING SURFACE
DESIGN SURFACE
DRAINAGE PIPE/PIT
EXISTING DRAINAGE PIPE/PIT
HYDRAULIC GRADE LINE
DENOTES 20mm CLASS 3
FOR BACKFILL.







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1700987 02A 402

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P2	ISSUED FOR INFORMATION	09.09.19	DC	JM					
P1	TENDER ISSUE	30.04.19	LS	JM					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

							Designed	J. MONGAN
							Date	08.08.2019
			HORIZ	ONTAL				
0	5	10	20	30	40	50	Drawn	D.COOPER
0	0.5	1	2	3	4	5	Approved	J. MONGAN
			VERT	TCAL			Date	08.08.2019
							PS Number	PS823200D



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oject etails	BOTANIA ESTATE STAGE 2A MELTON CITY COUNCIL	Sheet 23 of 26 Scale 1:500 H 1:50 V @ A1	
awing	DRAINAGE LONGITUDINAL SECTIONS		
le		Project Ref Stage No Drawing No	
	(SHEET 3 OF 3)	4700007 004 400	



APPROVED DETAILED ENGINEERING PLANS Nihal Jayasekara ENGINEERING SERVICES

Date: 5/2/2020

		INTE	RNAL	IN	LET	OU ⁻	TLET	PIT SETOUT		
PIT NAME	TYPE	WIDTH	LENGTH	DIA	INV LEV	DIA	INV LEV	RL	DEPTH	REMARKS
1	END PIPE	-	-	675	102.054			104.063	2.009	END PIPE TO BE CAPPED
2	SIDE ENTRY PIT	600(T)	900(T)	450	102.290	675	102.065	103.959	1.894	HAUNCHED - REFER TO EDCM FIGURE 605 FOR STANDARD
		900(B)	900(B)	600	102.140					DRAWING
3	JUNCTION PIT	600	900	375	102.745	450	102.670	104.26	1.59	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
				300	102.820					
4	SIDE ENTRY PIT	600	900	375	102.860	375	102.800	104.256	1.456	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
5	SIDE ENTRY PIT	600	900	300	103.120	375	103.045	104.621	1.576	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
				300	103.120					
5A	END PIPE	-	-			300	103.909	106.005	2.096	TEMP ENDWALL
8	DOUBLE SIDE ENTRY PIT	600	900	525	102.271	600	102.196	103.956	1.76	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
9	DOUBLE SIDE ENTRY PIT	600	2200	525	102.375	525	102.315	103.961	1.646	REFER TO EDCM FIGURE 602 FOR STANDARD DRAWING
10	JUNCTION PIT	600(T)	900(T)	450	102.645	525	102.570	104.156	1.586	HAUNCHED - REFER TO EDCM FIGURE 605 FOR STANDARD
11	SIDE ENTRY PIT	750(B) 600	900(B) 900	450 375	102.645 102.835	450	102.760	104.41	1.65	DRAWING REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
11	SIDE ENTRY PIT	600	900	300	102.835	450	102.760	104.41	1.65	REFER TO EDCIN FIGURE BUT FOR STANDARD DRAWING
12	END PIPE		_	300	102.510	375	102.907	104.511	1.603	
13	SIDE ENTRY PIT	600	900	300	103.016	300	102.956	104.511	1.633	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
1.5	SIDELINIKI FII	000	300	225	103.031	300	102.550	104.363	1.033	REFER TO EDCIMITIONE GOST ON STANDARD DRAWING
14	SIDE ENTRY PIT	600	900	300	103.147	300	103.087	104.592	1.504	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
				225	103.162					
15	SIDE ENTRY PIT	600	900	300	103.270	300	103.210	104.786	1.577	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
15A	END PIPE	-	-			300	104.232	106.011	1.35	TEMP ENDWALL
18	JUNCTION PIT	600	900	300	103.500	300	103.440	104.889	1.449	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
19	JUNCTION PIT	600	900	225	104.456	300	104.381	105.942	1.561	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
21	JUNCTION PIT	600	900			225	103.546	104.673	1.127	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
22	JUNCTION PIT	600	900			225	103.581	104.708	1.126	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
23	JUNCTION PIT	600	900	375	102.943	450	102.868	104.434	1.565	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
24	SIDE ENTRY PIT	600	900	300	103.089	375	103.014	104.605	1.591	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
25	SIDE ENTRY PIT	600	900	300	103.209	300	103.149	104.602	1.453	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
26	SIDE ENTRY PIT	600	900	300	104.356	300	104.296	105.778	1.482	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
				300	104.356					
29	JUNCTION PIT	600	900			375	102.269	104.332	2.063	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
30	JUNCTION PIT	600	900	225	104.501	300	104.426	105.635	1.209	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
32	SIDE ENTRY PIT	600	900	450	102.779	450	102.719	104.355	1.636	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
33	SIDE ENTRY PIT	600	900	375	102.896	450	102.821	104.35	1.529	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
34	JUNCTION PIT	600	900	300 300	103.503 103.503	375	103.428	104.781	1.353	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
35	SIDE ENTRY PIT	600	900	300	104.333	300	104.273	105.67	1.466	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
				300	104.333					
35A	END PIPE	-	-			300	104.481	105.978	1.497	TEMP ENDWALL
38	SIDE ENTRY PIT	600	900			300	104.470	105.855	1.385	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
40	JUNCTION PIT	600	900	300	104.178	300	104.128	105.308	1.18	REFER TO EDCM FIGURE 605 FOR STANDARD DRAWING
				225	104.178					
41	SIDE ENTRY PIT	600	900			300	103.038	104.406	1.367	REFER TO EDCM FIGURE 601 FOR STANDARD DRAWING
RB 1	ROCK HEADWALL	100	100	600	102.355			102.955	0.6	REFER TO DWG NO. 303 FOR DETAILS
RB 2	ROCK HEADWALL	100	100			375	102.355	102.73	0.375	REFER TO DWG NO. 303 FOR DETAILS

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P3	PIT 35 AND 38 AMENDED	02.10.19	DC	JM						7
P2	ISSUED FOR INFORMATION	09.09.19	DC	JM						1
P1	TENDER ISSUE	30.04.19	LS	JM						1
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.]

Designed Date	J. MONGAN 08.08.2019	
Drawn	D.COOPER	
Approved Date	J. MONGAN 08.08.2019	•
PS Number	PS823200D	



Project Details	BOTANIA ESTATE STAGE 2A	Sheet	24 of	26	
	MELTON CITY COUNCIL	NOT TO	SCALE	=	
Drawing	DRAINAGE PIT SCHEDULE	1101 10	OOALL	_	
Title	DIVAINAGE I II GOILEBOLE	Project Ref	Stage No	Drawing No	Rev
		1700987	02A	403	P4