



Our Reference: 8278969

1 July 2022

Dongwei Zhang  
Beveridge Williams  
1-11 Glenferrie Road  
Malvern VIC 3144

Dear Dongwei,

**PPA2014/4497 - Davis Vineyard Estate, Precinct, Stage 5A – Engineering Plans - Approval**

The above-mentioned plans, received by Council and on 20 June 2022, are approved. Please find attached the approved stamped road and drainage plans.

Council believes the list below represents the latest plan submission:

**Project Ref: 1600059**

**Drawing No.**

001 to 003, 010 to 011, 100 to 101 and 200 to 205  
300 to 301, 350 to 351 and 400 to 402

**Revision**

A  
A

The approval is subject to compliance of all statutory and legal obligations and granted with the understanding that the engineering consultant, developer and landowner take full responsibility for the design contained in the 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 landowner.
- A 'Consent to Work Within a Road Reserve' must be applied for. The form is available on Melton Council's website link.
- 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 [planningsupport@melton.vic.gov.au](mailto:planningsupport@melton.vic.gov.au)  
T: 03 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;
  - 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](http://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](mailto:serviceauthority@melton.vic.gov.au)

- If required as part of the planning permit conditions for the above mentioned project, Construction Environmental Management plans (CEMP) must 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 # - PA2014/4497
  - 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](mailto: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](mailto: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](mailto: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 data to Email: [assetspecs@melton.vic.gov.au](mailto: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 (PA2014/4497);
- ✓ 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](http://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](mailto:nihalj@melton.vic.gov.au) or T: 03 9747 7101

Regards,

A handwritten signature in blue ink, appearing to read 'Nihal Jayasekara', with a horizontal line drawn underneath it.

Nihal Jayasekara

**DEVELOPMENT ENGINEER**

# DAVIS VINEYARD ESTATE PRECINCT 2 - STAGE 5A

## AUSTRALIAN INVESTMENT & DEVELOPMENTS PTY. LTD.

### CITY OF MELTON

#### CONSTRUCTION NOTES

##### SITE MANAGEMENT

- A1. 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.
- A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer. 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 City of Melton landscape approvals officer.
- A3. 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.
- A4. 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 & maintenance period of the works.
- A5. 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 is installed.
- A6. A temporary fence shall be erected & maintained around existing trees, nominated to be retained, at all times during construction.
- A7. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.
- A8. Contractor is obliged to obtain a permit for any blasting works. 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.
- A9. Contractor is obliged to obtain the necessary "works within road reserve" consent from the relevant authority for works encroaching onto an established road reserve.
- A10. Contractor need a traffic management plan approved by Council for all traffic impacting works.

##### GENERAL

- B1. All works to be carried out to the standard of drawings and specifications as approved by Melton City Council. In case of dispute the Specifications must take precedence.
- B2. Pre-commencement meeting needs to be scheduled with Council prior to commencement of works.
- B3. 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 regulations (2007) & undertake safety precautions in trenching operations in accordance with Workcover's code of practice (1988).
- B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. 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.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of Melton works supervisor.
- B7. Where works are in the vicinity of existing services these services are to be located & the various authorities notified prior to the commencement of works.
- B8. 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.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves. Timber railings need to be facing inwards to the property side.
- B10. All nature strips & excavated or filled areas outside of the road reserves shall be surfaced with a 100mm compacted layer of topsoil as specified.
- B11. All line-marking to be long-life thermoplastic line-marking.

##### ROADWORKS

- C1. 100e agricultural pipe drains (Council Std. Dwg. MCC 202) to be placed behind all kerb & channel & buffer pitches & where directed by the engineer.
- C2. 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.
- C3. Importing Fill- All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any contaminants are within accepted levels. Under no circumstances should fill material enter or leave the site without the permission of the supervising engineer & Council works supervisor, prior to it being appropriately tested. All vehicles transporting fill material to & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater systems & natural waterways.

- C4. 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.
- C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.
- C7. 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.
- C8. 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 concrete marks the kerb & footpath exactly above the conduit.
- C9. Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be marked using a green dot spray painted on the top of kerb.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard drawing EDCM 401.
- C11. NBN Co to be notified seven (7) days prior to concrete works being placed.
- C12. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed around distribution pits to a minimum depth of 200mm.
- C13. All street signs to be constructed & erected to current City of Melton standards including logo. Street signs to be erected as per Council Std. Dwg. MCC 205.
- C14. Traffic control signs, markings & delineators to be installed in accordance with AS1742.2. All line marking is to be long life road marking, with longitudinal lines in thermoplastic & transverse markings in cold applied.
- C15. Driveways to be constructed in accordance with the Council Std. Dwg. MCC 501-503. Single driveways to be a minimum 3.5m wide & to be offset 0.60m from property boundary unless otherwise shown.
- C16. Kerb transition to take place in the minor street over a 2.0m length from either the tangent point or TP pit.
- C17. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design levels & grades.
- C18. Tactile ground surface indicators (TGS) are to be installed at all tram crossings & pedestrian cross points in accordance with AS1428.4 : 2002 & MPA standard drawing EDCM 403.

##### DRAINAGE

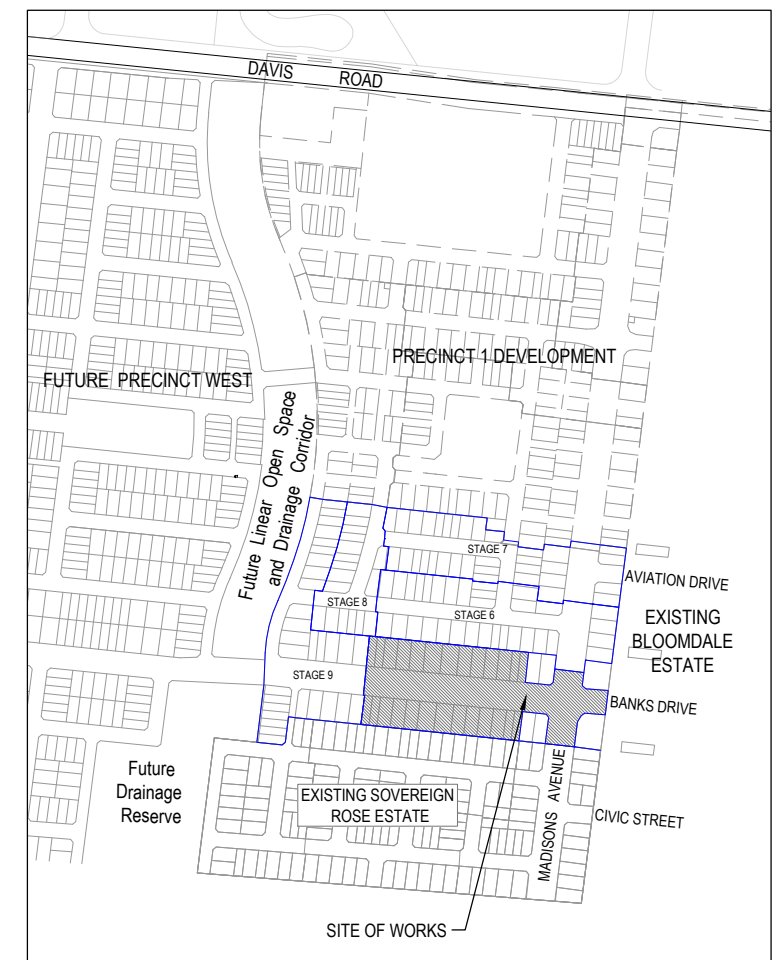
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages.
- D2. Lightweight fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed to council specifications.
- 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 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.
- D4. All pipes to be Class 'Z' R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified.
- D5. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers.
- D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 - EDCM 704.
- D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.

##### PAVEMENT

- E1. Modification of the pavement requires approval by the City of Melton works supervisor.

#### DRAWING INDEX

DRAWING No.	TITLE
1600059-5A-001	COVER SHEET
1600059-5A-002	TYPICAL ROAD CROSS SECTIONS AND GENERAL DETAILS
1600059-5A-003	PAVEMENT MAKEUP AND GENERAL DETAILS
1600059-5A-010	LAYOUT PLAN
1600059-5A-011	INTEGRATED WATER MANAGEMENT PLAN
1600059-5A-100	ROAD LONGITUDINAL SECTIONS BANKS DRIVE (EAST & WEST)
1600059-5A-101	ROAD LONGITUDINAL SECTIONS MADISONS AVENUE
1600059-5A-200	ROAD CROSS SECTIONS BANKS DRIVE (EAST)
1600059-5A-201	ROAD CROSS SECTIONS BANKS DRIVE (WEST) (SHEET 1 OF 4)
1600059-5A-202	ROAD CROSS SECTIONS BANKS DRIVE (WEST) (SHEET 2 OF 4)
1600059-5A-203	ROAD CROSS SECTIONS BANKS DRIVE (WEST) (SHEET 3 OF 4)
1600059-5A-204	ROAD CROSS SECTIONS BANKS DRIVE (WEST) (SHEET 4 OF 4)
1600059-5A-205	ROAD CROSS SECTIONS MADISONS AVENUE
1600059-5A-300	INTERSECTION DETAILS (SHEET 1 OF 2)
1600059-5A-301	INTERSECTION DETAILS (SHEET 2 OF 2)
1600059-5A-350	SIGNAGE & LINE MARKING PLANS (SHEET 1 OF 2)
1600059-5A-351	SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)
1600059-5A-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)
1600059-5A-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 2)
1600059-5A-402	PIT SCHEDULE



SITE PLAN

NOT TO SCALE

MELWAY REF: 351 G2



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					

Designed D. ZHANG

Date 11.08.2021

Drawn N. TABUENA

Approved R. WICKETT

Date 19.08.2021

PS Number PS 822978/N51

**BW** Beveridge Williams  
1 Glenferrie Road  
Malvern VIC 3144  
ph: 03 9524 8888  
www.beveridgewilliams.com.au

Project Details  
DAVIS VINEYARD PRECINCT 2 - STAGE 5A  
AUST. INVESTMENT & DEVELOPMENTS P/L  
CITY OF MELTON

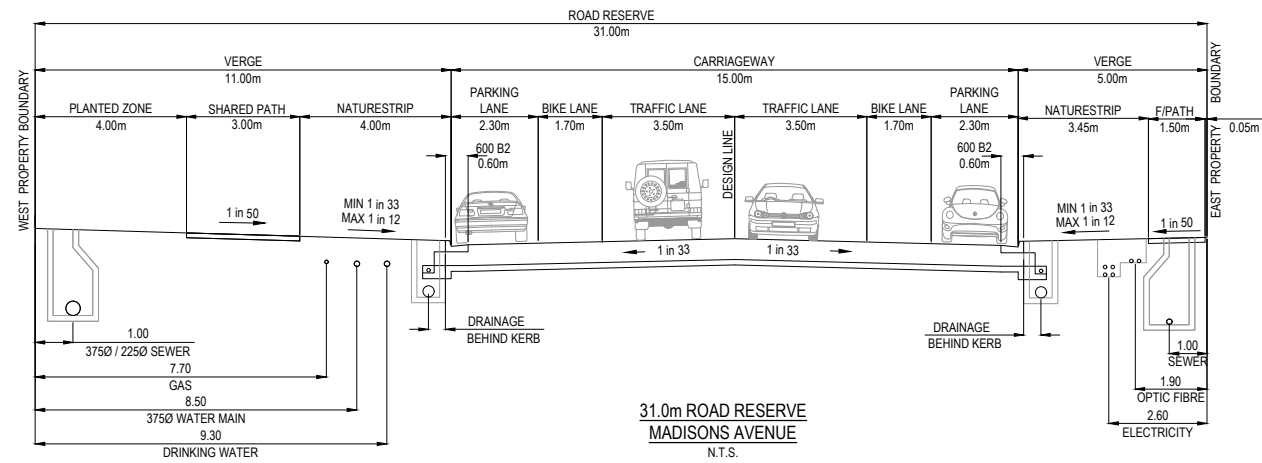
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Sheet 01 of 20

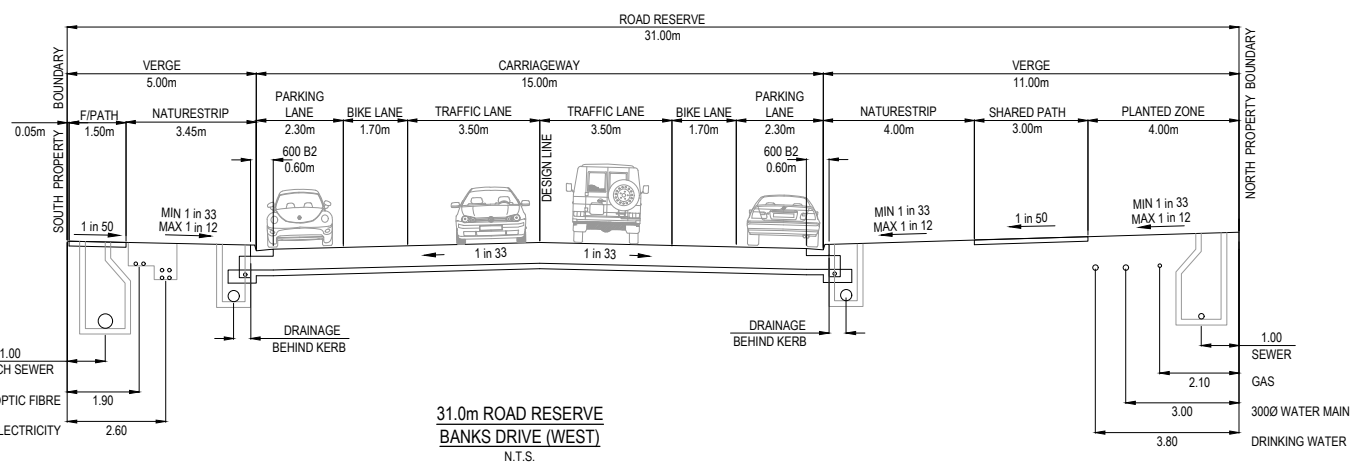
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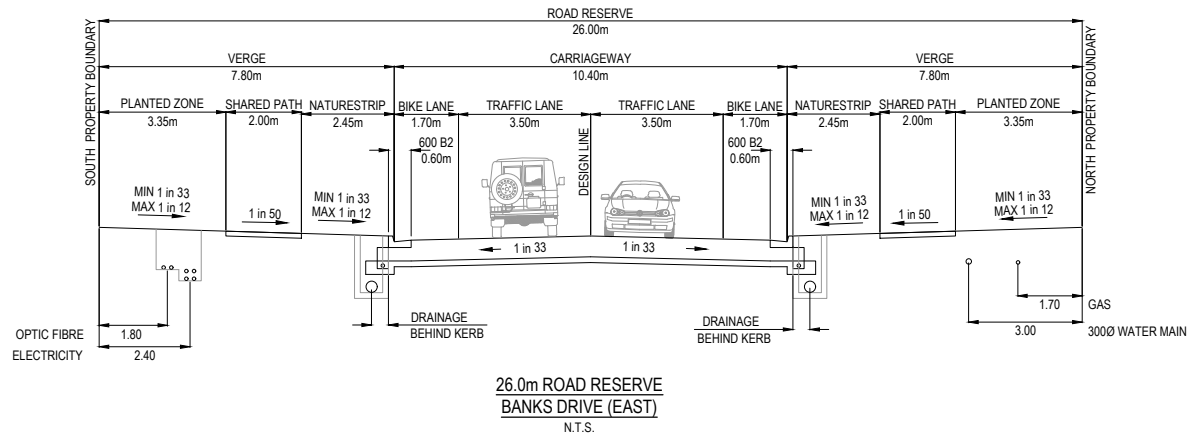




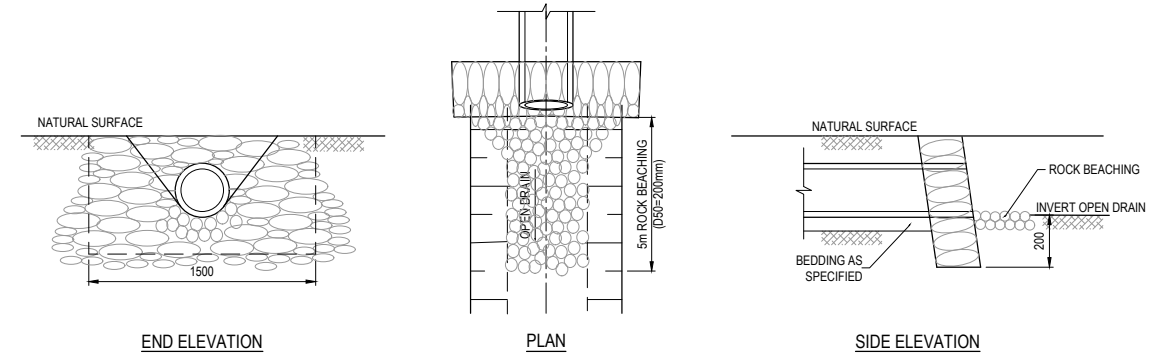
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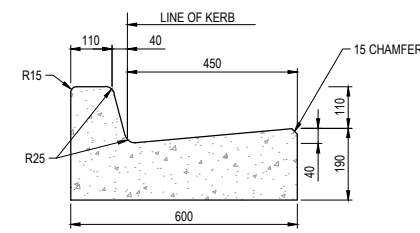
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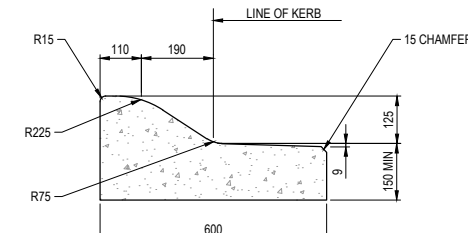
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BANKS DRIVE (EAST)  
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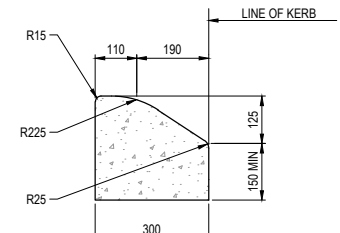
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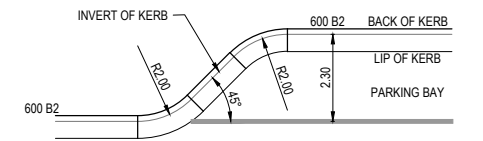
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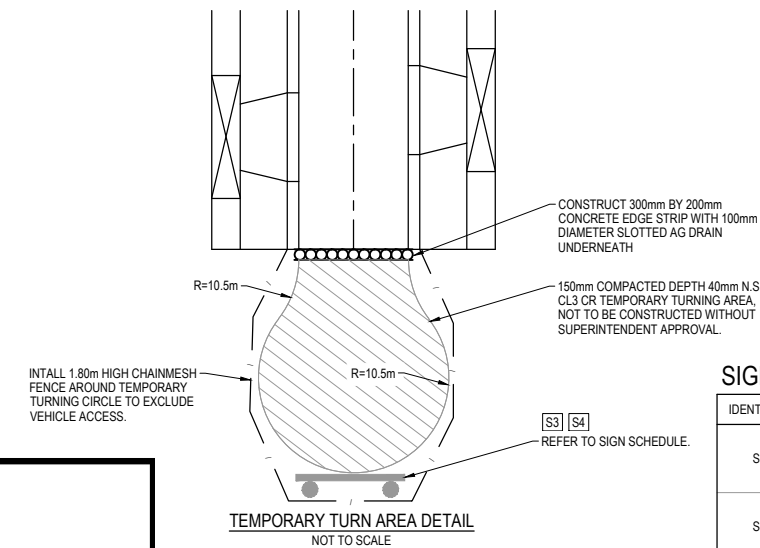
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SM1 KERB DETAIL  
SCALE 1:10



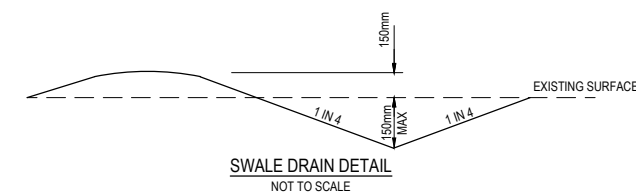
TYPICAL KERB OUTSTAND SETOUT DETAIL  
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TEMPORARY TURN AREA DETAIL  
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SIGN SCHEDULE

IDENTIFIER	NUMBER	SIGN
S3	D4-5	
S4	G9-20	



SWALE DRAIN DETAIL  
NOT TO SCALE

ISSUED  
FOR CONSTRUCTION

**APPROVED**  
**DETAILED ENGINEERING PLANS**  
**Nihal Jayasekara**  
**ENGINEERING SERVICES**  
**Date: 01/07/2022**

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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					

Designed D. ZHANG  
Date 11.08.2021  
Drawn N. TABUENA  
Approved R. WICKETT  
Date 19.08.2021  
PS Number PS 822978N/S1

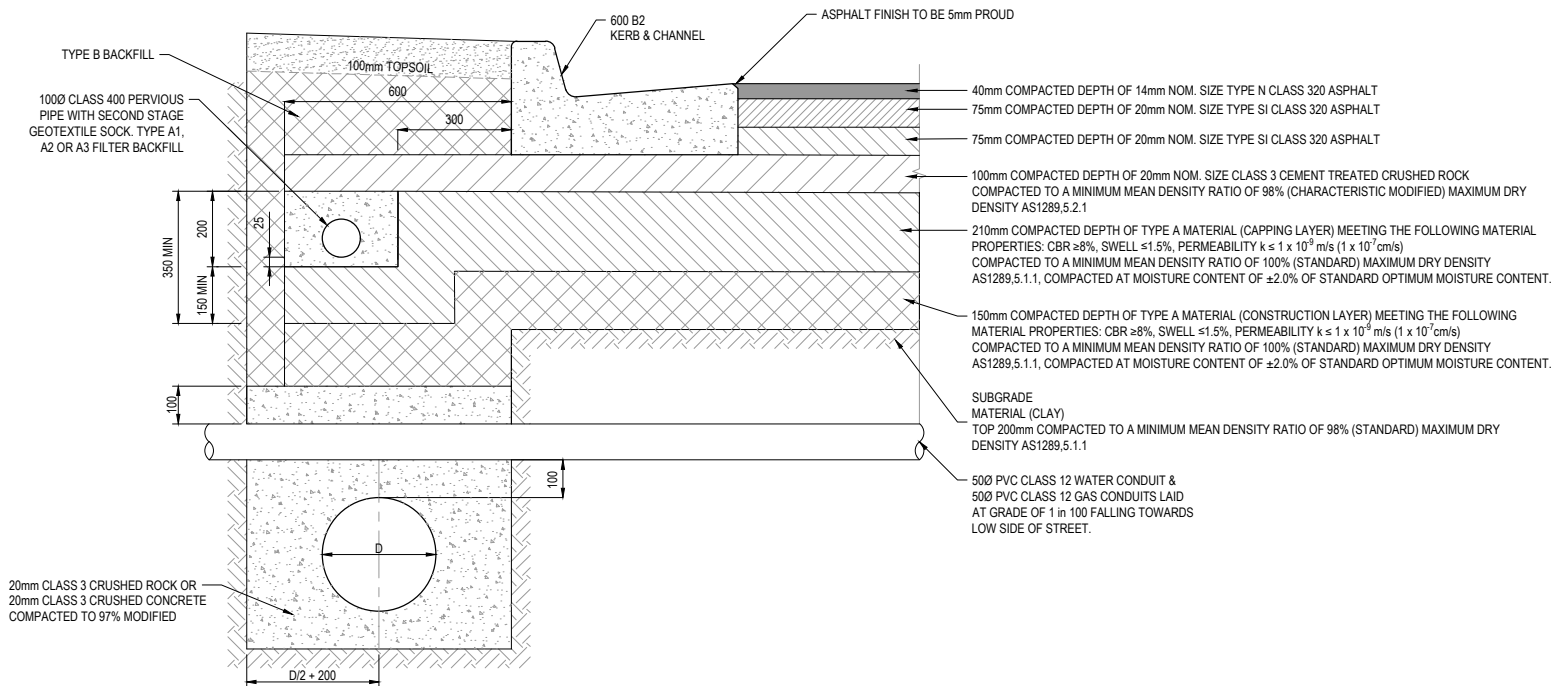
**Beveridge Williams**  
 development & environment consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details  
**DAVIS VINEYARD PRECINCT 2 - STAGE 5A**  
**AUST. INVESTMENT & DEVELOPMENTS P/L**  
**CITY OF MELTON**  
 Drawing Title  
**TYPICAL ROAD CROSS SECTIONS**  
**AND GENERAL DETAILS**

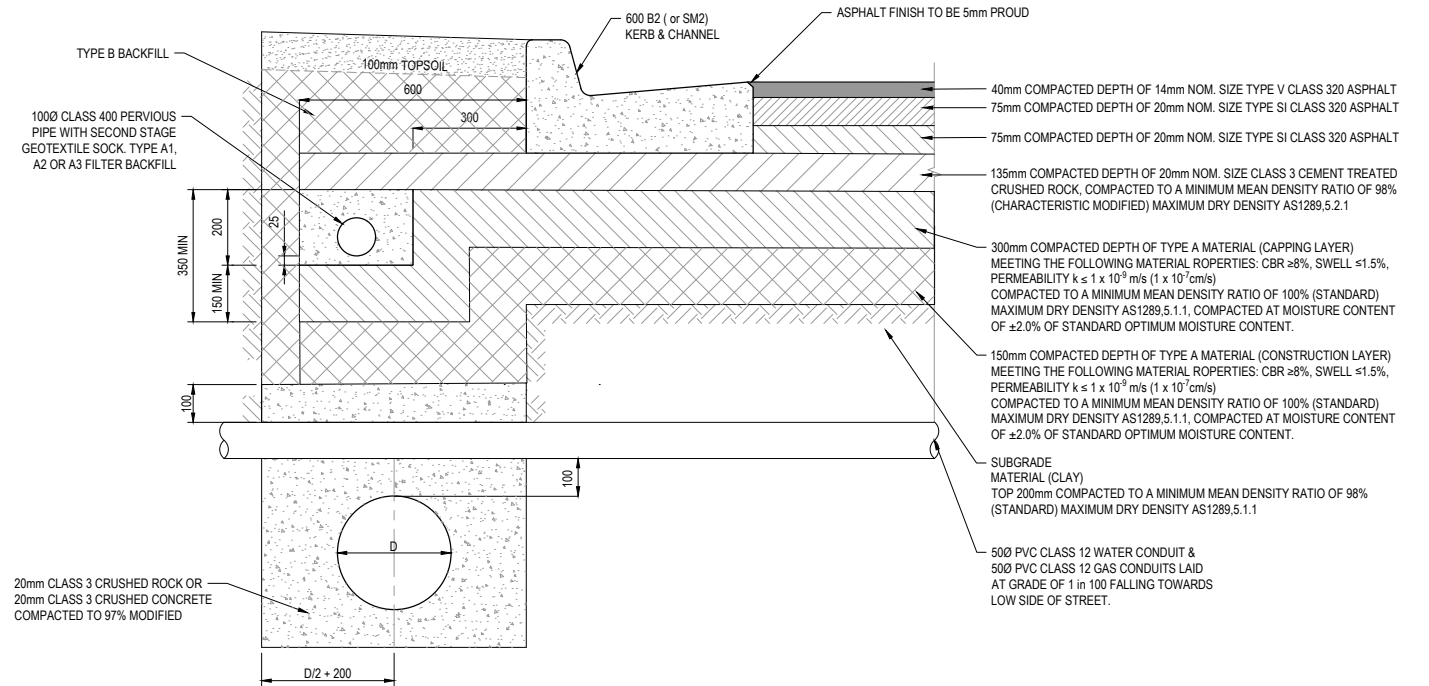
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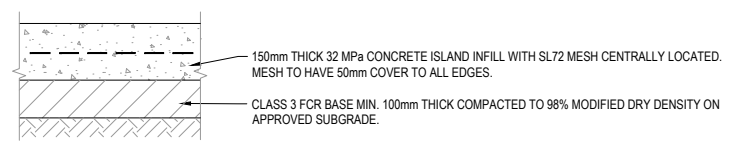
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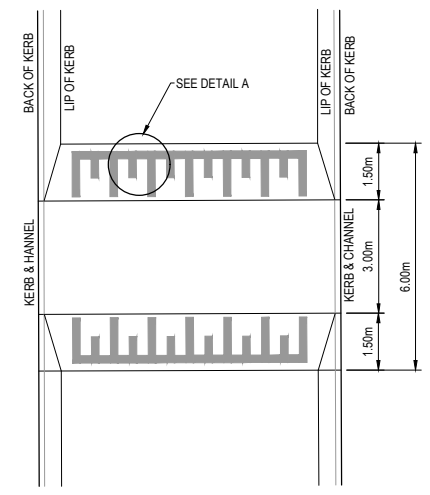
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CH46.800 - CH216.183  
650mm DEPTH  
N.T.S.



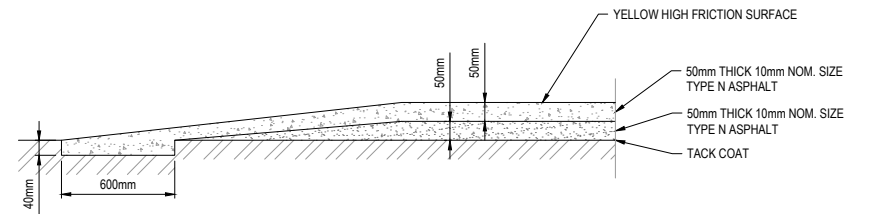
**PAVEMENT COMPOSITION FOR MADISONS AVENUE, BANKS DRIVE (EAST), BANKS DRIVE (WEST) CH0 - CH46.800 & ROUNDABOUT**  
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N.T.S.



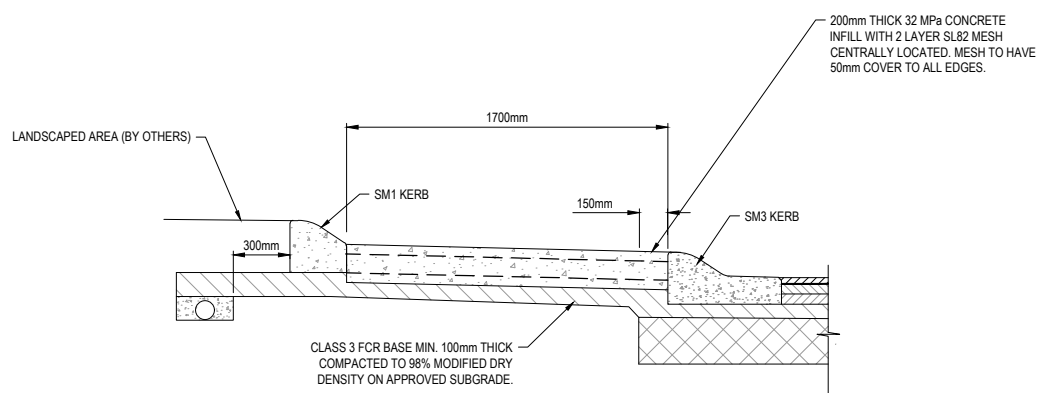
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250mm DEPTH  
N.T.S.



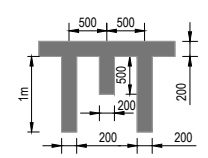
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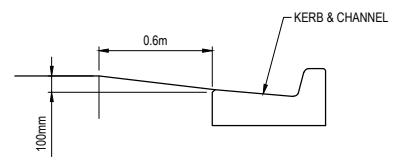
**FLAT TOP SPEED HUMP PROFILE**  
NOT TO SCALE



**TYPICAL SECTION ROUNDABOUT CONCRETE INFILL TREATMENT**  
NOT TO SCALE



**DETAIL A**  
NOT TO SCALE



**SETOUT DETAIL FOR SPEED HUMP**  
NOT TO SCALE

**CITY OF MELTON**

**APPROVED DETAILED ENGINEERING PLANS**  
Nihal Jayasekara  
ENGINEERING SERVICES  
Date: 01/07/2022

**ISSUED FOR CONSTRUCTION**

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A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.
P4	PAVEMENT MAKEUP AND SPEED HUMP DETAIL AMENDED	23.03.22	D.Z.	R.W.
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.
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DESCRIPTION	DATE	DRN.	APP.	REV

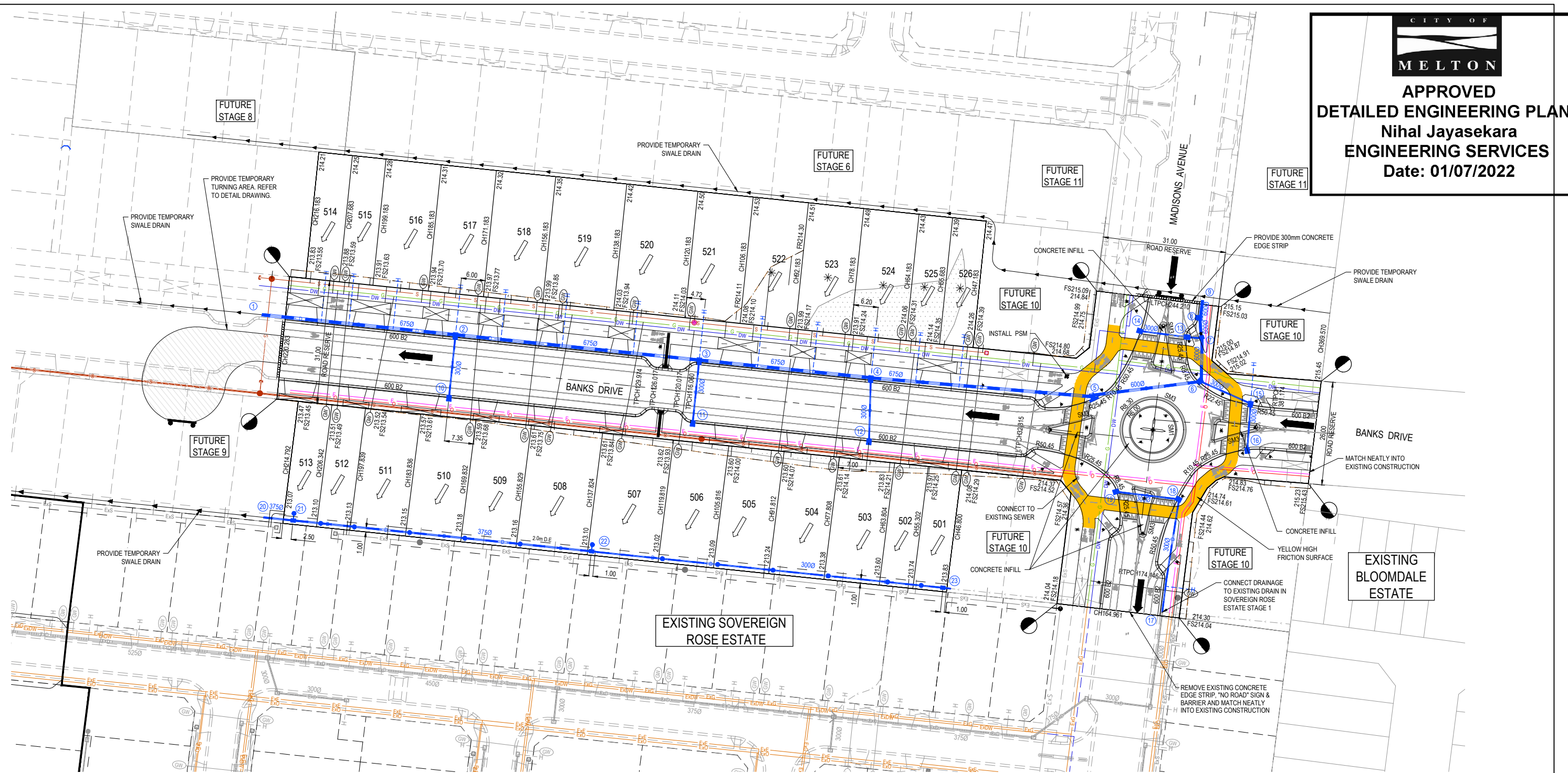
Designed	D. ZHANG
Date	11.08.2021
Drawn	N. TABUENA
Approved	R. WICKETT
Date	19.08.2021
PS Number	PS 822978WS1

**BW Beveridge Williams**  
development & environment consultants  
1 Glenferrie Road  
Malvern VIC 3144  
ph: 03 9524 8888  
www.beveridgewilliams.com.au

Project Details	DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON
Drawing Title	PAVEMENT MAKEUP AND GENERAL DETAILS

Sheet	03 of 20
Scale	NOT TO SCALE
Project Ref	1600059
Stage No	5A
Drawing No	003
Rev	A





SERVICE OFFSET TABLE

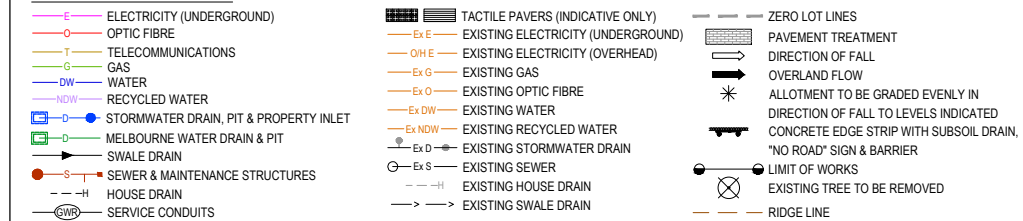
Location	Gas		Water		Water		Electricity		Telecommunication		Sewer	
	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
MADISONS AVENUE (NORTH OF ROUNDABOUT)	W	7.70	W	9.30	W	8.50 (3750)	E	2.60	E	1.90	E/W	1.00
MADISONS AVENUE (SOUTH OF ROUNDABOUT)	W	7.70	-	-	W	8.50 (3000)	E	2.60	E	1.90	E/W	1.00
BANKS DRIVE (WEST OF ROUNDABOUT)	N	2.20	N	3.00	-	-	S	2.60	S	1.90	N/S	1.00
BANKS DRIVE (EAST OF ROUNDABOUT)	N	1.70	N	3.00	-	-	S	2.40	S	1.80	-	-

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

ROAD LAYOUT TABLE

Road Name	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
MADISONS AVENUE	31.00	14.10	15.00	15.30	600 B2	600 B2	11.00	5.00
BANKS DRIVE	26.00	9.50	10.40	10.70	600 B2	600 B2	7.80	7.80
	31.00	14.10	15.00	15.30	600 B2	600 B2	11.00	5.00

LEGEND - FUNCTIONAL LAYOUT PLAN



NOTES

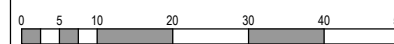
- ALL SERVICES SHOWN ARE PRELIMINARY AND SUBJECT TO AUTHORITY ADVICE & DETAILED DESIGN.
- EXISTING SERVICES SHOWN ARE INDICATIVE ONLY AND TO BE VERIFIED PRIOR TO DETAILED DESIGN AND CONSTRUCTION.
- ALL EXISTING SERVICES UNDER NEW PAVEMENTS AND CONCRETE WORKS TO BE FOR BACKFILLED, UNLESS OTHERWISE SPECIFIED.
- ALL EXISTING DRAINAGE PITS AND SEWER MH WITHIN NEW WORKS TO BE ADJUSTED TO NEATLY MATCH NEW FINISH SURFACE.
- ALL EXISTING OPEN DRAINS WITHIN NEW WORKS TO BE CLEANED, DE-SLUDGED AND BACKFILLED TO LEVEL 1 SUPERVISION.

**WARNING**  
**BWARE 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  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P4	SHARED PATH LAYOUT ON ROUNDABOUT AMENDED	23.03.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed Date: D. ZHANG 11.08.2021  
Drawn: N. TABUENA  
Approved Date: R. WICKETT 19.08.2021  
PS Number: PS 822978N/S1

**BW** Beveridge Williams  
development & environment consultants  
1 Glenferrie Road  
Malvern VIC 3144  
ph: 03 9524 8888  
www.beveridgewilliams.com.au

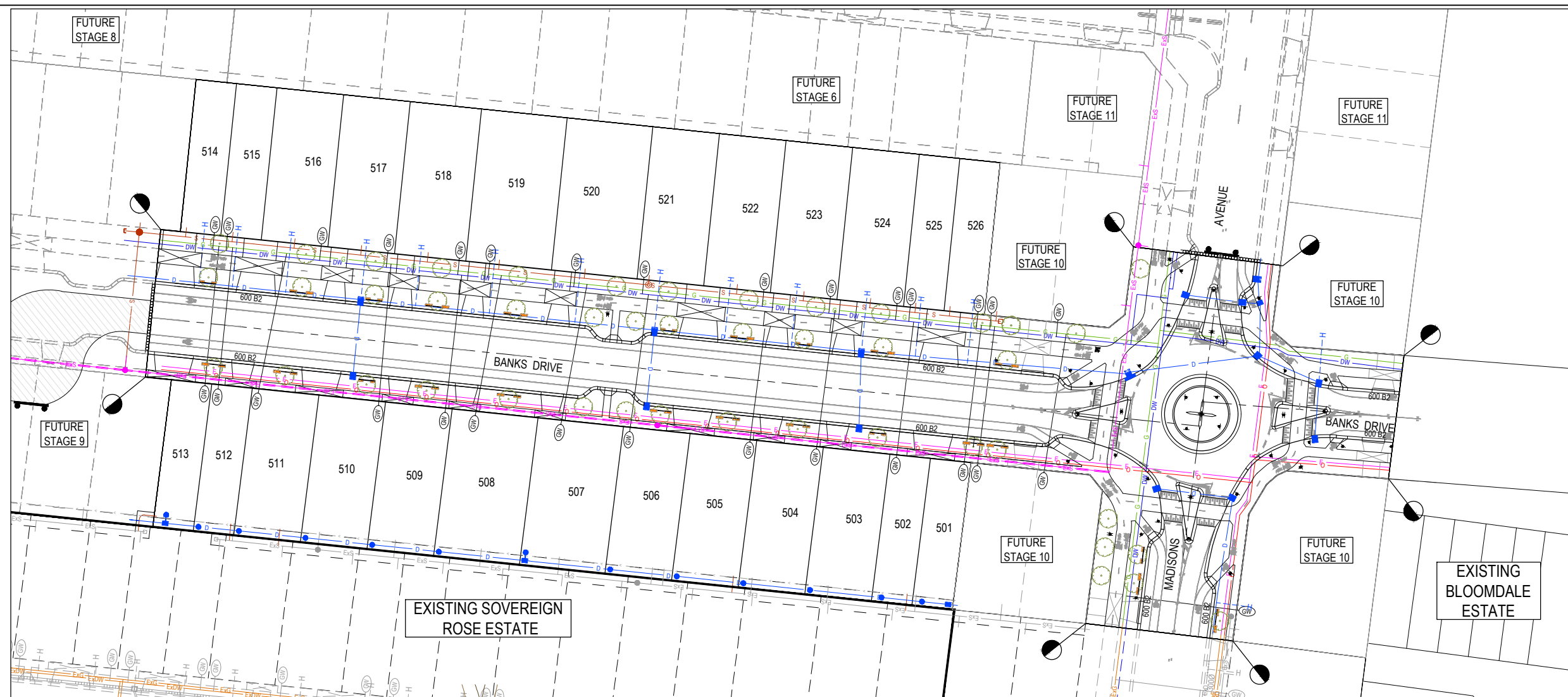
Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A  
AUST. INVESTMENT & DEVELOPMENTS P/L  
CITY OF MELTON  
Drawing Title: LAYOUT PLAN

Sheet 04 of 20

Scale: 1:500 @ A1

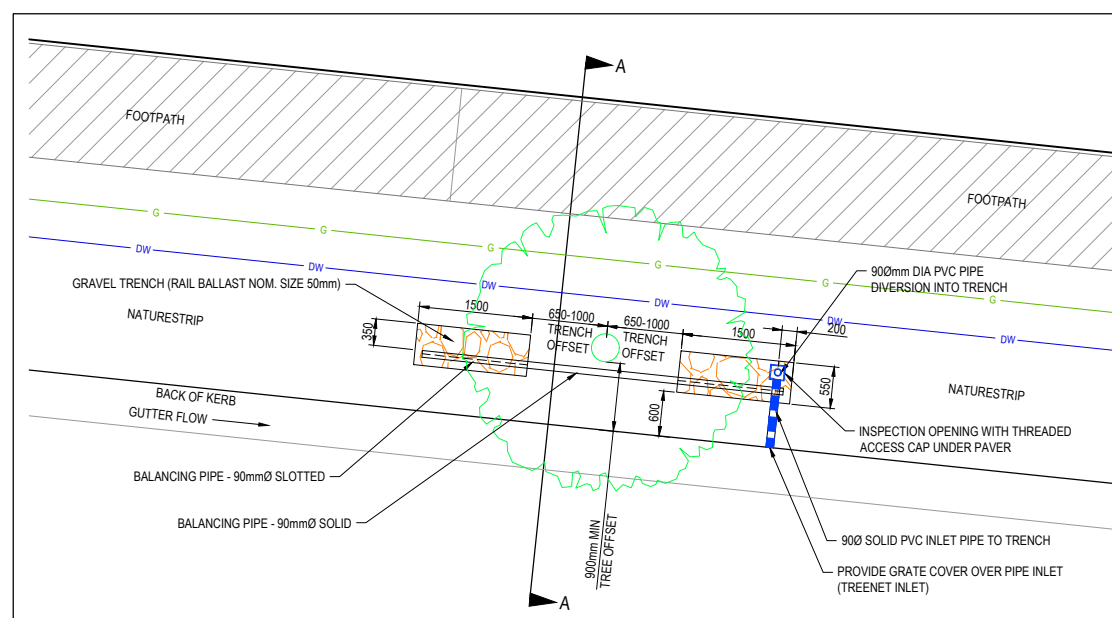
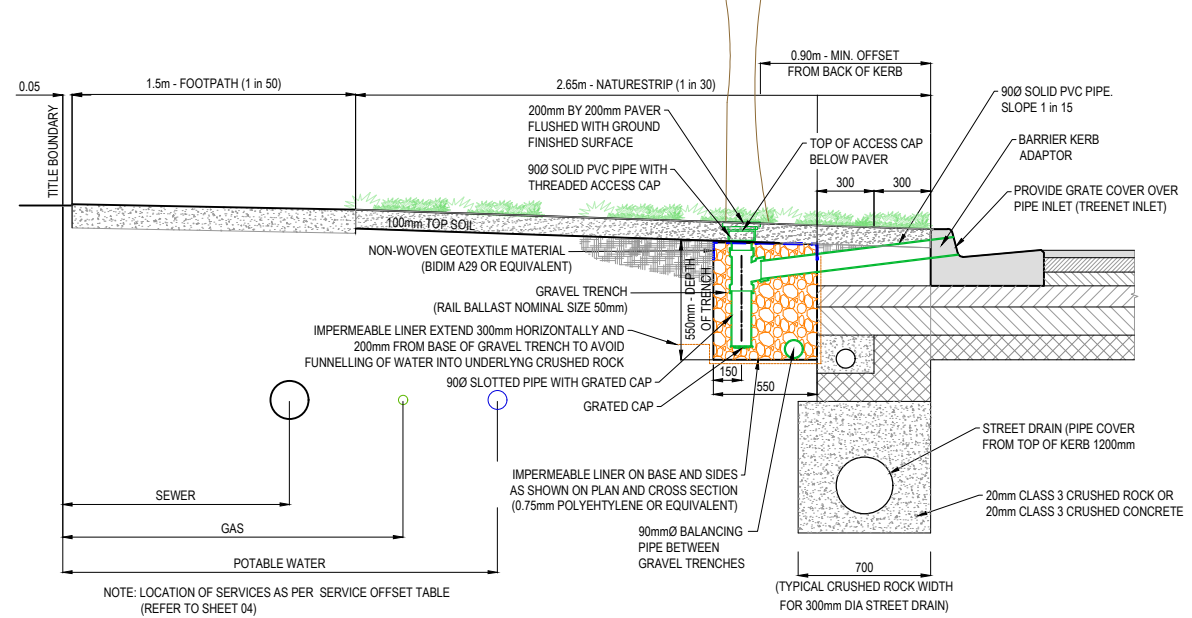
Project Ref: 1600059  
Stage No: 5A  
Drawing No: 010  
Rev: A





**LEGEND - LAYOUT PLAN**

- D - STORMWATER DRAIN, PIT & PROPERTY INLET
- S - SEWER & MAINTENANCE STRUCTURES
- H - HOUSE DRAIN
- GW - SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- E - ELECTRICITY (UNDERGROUND)
- OH E - ELECTRICITY (OVERHEAD)
- O - OPTIC FIBRE
- T - TELECOMMUNICATIONS
- G - GAS
- DW - WATER
- RDW - RECYCLED WATER
- ExE - EXISTING ELECTRICITY (UNDERGROUND)
- ExOH E - EXISTING ELECTRICITY (OVERHEAD)
- ExG - EXISTING GAS
- ExO - EXISTING OPTIC FIBRE
- ExT - EXISTING TELECOMMUNICATIONS
- ExDW - EXISTING WATER
- ExRDW - EXISTING RECYCLED WATER
- ExD - EXISTING STORMWATER DRAIN
- ExS - EXISTING SEWER
- ExH - EXISTING HOUSE DRAIN
- ExSD - EXISTING SWALE DRAIN
- RL - RIDGE LINE
- RETAINING WALL
- ZERO LOT LINES
- DIRECTION OF FALL
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- PASSIVE STREET TREE IRRIGATION GRAVEL TRENCH
- PROPOSED TREE



**CITY OF MELTON**

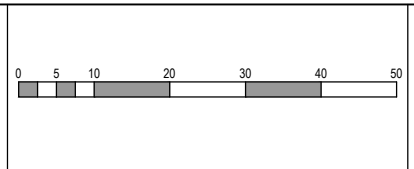
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
**Nihal Jayasekara**  
**ENGINEERING SERVICES**  
**Date: 01/07/2022**

- NOTES:**
- AT HIGHLY CONSTRAINED SITES, GRAVEL TRENCHES CAN BE MODIFIED IN THE FOLLOWING WAYS:
    - REDUCED OFFSET OF 0.75m FROM TREE CENTRELINE
    - DIMENSION 1.0m LONG x 0.6m WIDE x 0.75m DEEP
    - NATURESTRIP ≤ 2.5m DIMENSION CAN BE 1.5m LONG x 0.4m WIDE x 0.75m DEEP
  - PASSIVE IRRIGATION PLANS TO BE READ IN CONJUNCTION WITH LANDSCAPE PLANS.

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P4	PLAN AMENDED AS PER UPDATED LANDSCAPE PLANS	23.03.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



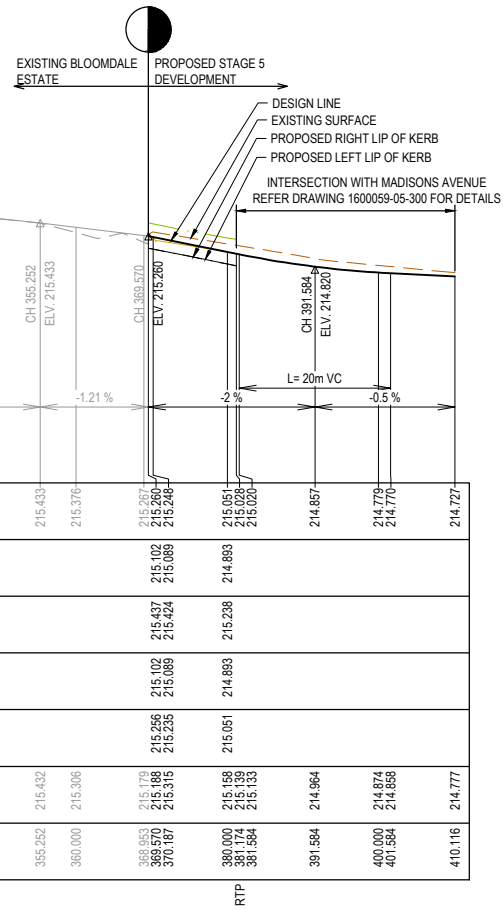
Designed Date: D. ZHANG 11.08.2021  
Drawn: N. TABUENA  
Approved Date: R. WICKETT 19.08.2021  
PS Number: PS 822978WS1

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1 Glenferrie Road  
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www.beveridgewilliams.com.au


Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A  
AUST. INVESTMENT & DEVELOPMENTS P/L  
CITY OF MELTON  
Drawing Title: INTEGRATED WATER MANAGEMENT PLAN

Sheet 05 of 20  
Scale: 1:500 @ A1  
Project Ref: 1600059  
Stage No: 5A  
Drawing No: 011  
Rev: A



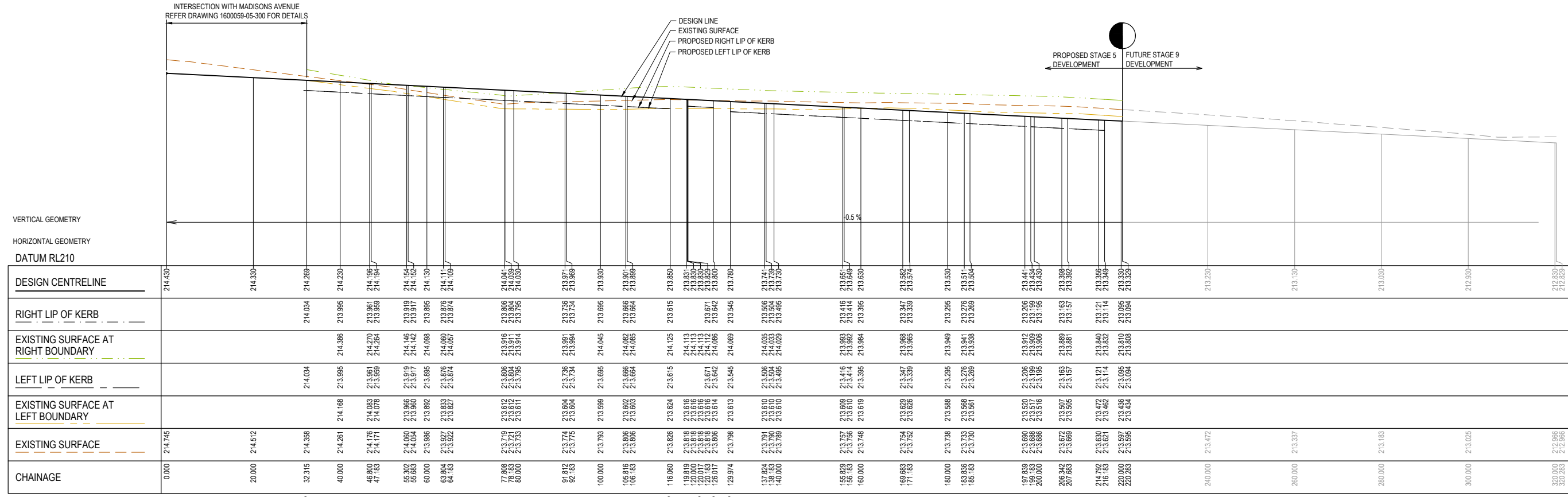


LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	RIGHT BUILDING LINE
	RIGHT LIP OF KERB
	LEFT BUILDING LINE
	LEFT LIP OF KERB



**APPROVED  
DETAILED ENGINEERING PLANS**  
Nihal Jayasekara  
**ENGINEERING SERVICES**  
Date: 01/07/2022

BANKS DRIVE EAST LONGITUDINAL SECTION

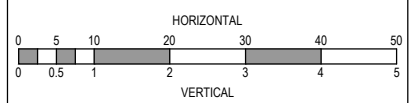


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RIGHT LIP OF KERB			214.034	213.995	214.386	214.364	214.146	213.919	213.895	214.098	213.876	213.874	213.806	213.795	213.736	213.695	214.125	213.615	214.035	213.506	214.113	214.113	213.671	213.642	213.545	214.005	213.506	214.033	213.504	213.495	213.416	213.395	213.347	213.339	213.295	213.276	213.269	213.206	213.195	213.189	213.130	213.030	212.930	212.830	212.829								
EXISTING SURFACE AT RIGHT BOUNDARY					214.386	214.364	214.146	213.919	213.895	214.098	213.876	213.874	213.806	213.795	213.736	213.695	214.125	213.615	214.035	213.506	214.113	214.113	213.671	213.642	213.545	214.005	213.506	214.033	213.504	213.495	213.416	213.395	213.347	213.339	213.295	213.276	213.269	213.206	213.195	213.189	213.130	213.030	212.930	212.830	212.829								
LEFT LIP OF KERB			214.034	213.995	214.386	214.364	214.146	213.919	213.895	214.098	213.876	213.874	213.806	213.795	213.736	213.695	214.125	213.615	214.035	213.506	214.113	214.113	213.671	213.642	213.545	214.005	213.506	214.033	213.504	213.495	213.416	213.395	213.347	213.339	213.295	213.276	213.269	213.206	213.195	213.189	213.130	213.030	212.930	212.830	212.829								
EXISTING SURFACE AT LEFT BOUNDARY					214.386	214.364	214.146	213.919	213.895	214.098	213.876	213.874	213.806	213.795	213.736	213.695	214.125	213.615	214.035	213.506	214.113	214.113	213.671	213.642	213.545	214.005	213.506	214.033	213.504	213.495	213.416	213.395	213.347	213.339	213.295	213.276	213.269	213.206	213.195	213.189	213.130	213.030	212.930	212.830	212.829								
EXISTING SURFACE	214.745	214.512	214.358	214.261	214.168	214.078	213.966	213.892	213.886	213.833	213.827	213.811	213.753	213.733	213.774	213.775	213.793	213.826	213.824	213.791	213.791	213.818	213.818	213.806	213.798	213.728	213.728	213.750	213.750	213.754	213.752	213.754	213.752	213.728	213.699	213.699	213.699	213.699	213.699	213.699	213.699	213.699	213.699	213.699	213.699								
CHAINAGE	0.000	20.000	32.315	40.000	46.800	47.183	55.322	58.663	60.000	63.804	64.183	71.288	77.800	80.000	91.812	92.183	100.000	106.816	106.183	116.000	119.819	120.000	120.017	126.017	129.974	137.824	138.183	140.000	155.829	156.183	160.000	169.693	171.183	180.000	188.826	189.183	197.639	200.000	200.000	207.863	214.792	216.183	220.000	220.000	220.000	240.000	260.000	280.000	300.000	300.000	300.000	300.263	300.263

BANKS DRIVE LONGITUDINAL SECTION

**ISSUED  
FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed: D. ZHANG  
Date: 11.08.2021  
Drawn: N. TABUENA  
Approved: R. WICKETT  
Date: 19.08.2021  
PS Number: PS 822978WS1



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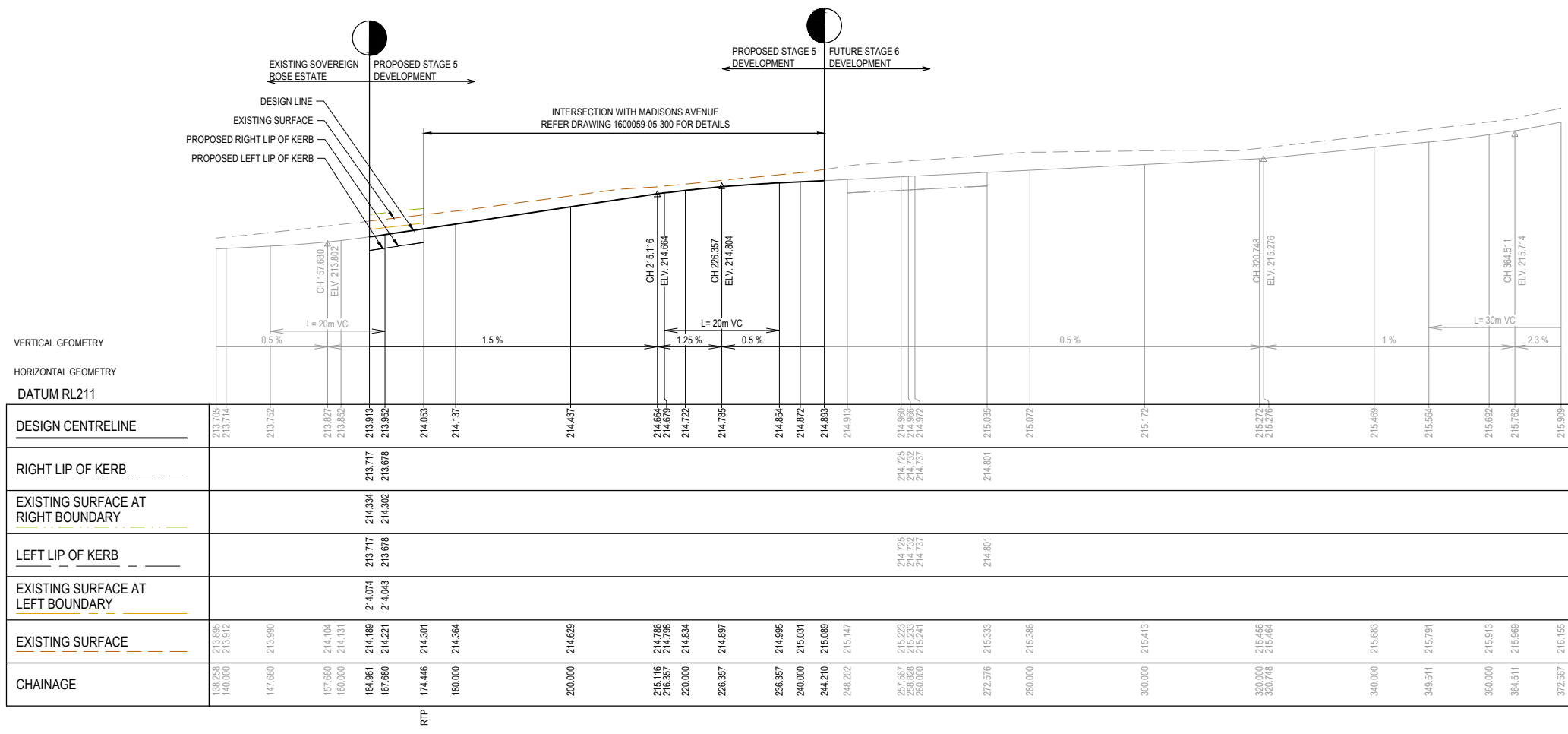
Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
Drawing Title: ROAD LONGITUDINAL SECTIONS BANKS DRIVE (EAST & WEST)

Sheet 06 of 20  
Scale: 1:500 H 1:50 V @ A1  
Project Ref: 1600059  
Stage No: 5A  
Drawing No: 100  
Rev: A



LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	RIGHT BUILDING LINE
	RIGHT LIP OF KERB
	LEFT BUILDING LINE
	LEFT LIP OF KERB

  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
**Nihal Jayasekara**  
**ENGINEERING SERVICES**  
**Date: 01/07/2022**

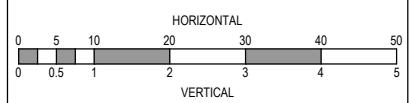


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DESIGN CENTRELINE	213.705	213.714	213.752	213.827	213.852	213.913	213.952	214.053	214.137	214.437	214.664	214.679	214.722	214.785	214.854	214.872	214.893	214.913	214.960	214.992	214.992	215.035	215.072	215.172	215.272	215.276	215.469	215.564	215.692	215.762	215.809
RIGHT LIP OF KERB																			214.725	214.732	214.737	214.801									
EXISTING SURFACE AT RIGHT BOUNDARY																			214.725	214.732	214.737	214.801									
LEFT LIP OF KERB																			214.725	214.732	214.737	214.801									
EXISTING SURFACE AT LEFT BOUNDARY																			214.725	214.732	214.737	214.801									
EXISTING SURFACE	213.895	213.912	213.990	214.104	214.131	214.189	214.221	214.301	214.364	214.629	214.786	214.798	214.834	214.897	214.995	215.031	215.089	215.147	215.223	215.233	215.233	215.333	215.386	215.413	215.456	215.464	215.683	215.791	215.913	215.969	216.155
CHAINAGE	138.259	140.000	147.680	157.680	160.000	164.961	167.680	174.448	180.000	200.000	215.116	216.357	220.000	226.357	236.357	240.000	244.210	248.202	257.567	258.000	258.000	272.576	280.000	300.000	320.748	320.748	340.000	348.511	360.000	364.511	372.567

MADISONS AVENUE LONGITUDINAL SECTION

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed Date: D. ZHANG 11.08.2021  
 Drawn: N. TABUENA  
 Approved Date: R. WICKETT 19.08.2021  
 PS Number: PS 822978N/S1

BW

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 Malvern VIC 3144  
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 www.beveridgewilliams.com.au

Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
 Drawing Title: ROAD LONGITUDINAL SECTIONS MADISONS AVENUE

Sheet 07 of 20	
Scale: 1:500 H 1:50 V @ A1	
Project Ref: 1600059	Stage No: 5A
Drawing No: 101	Rev: A

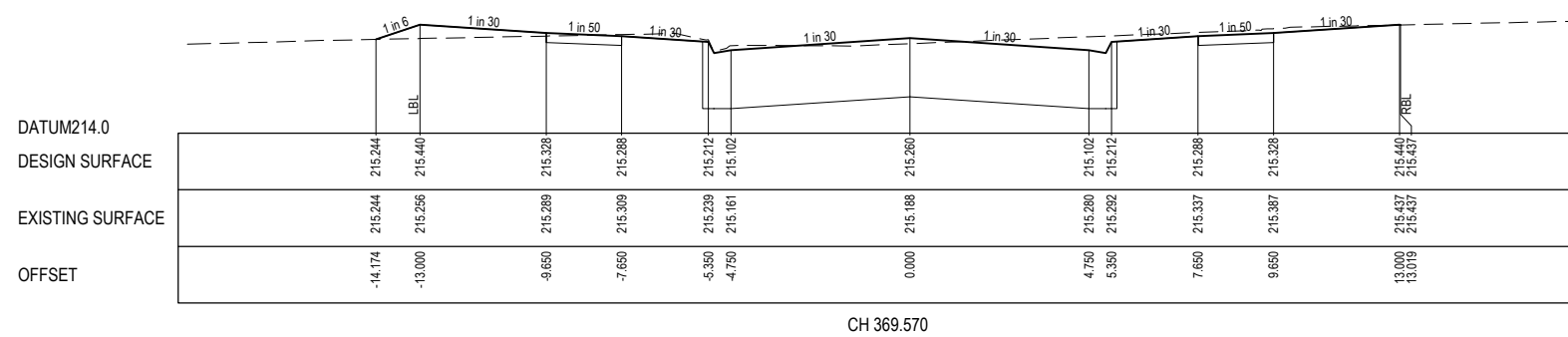
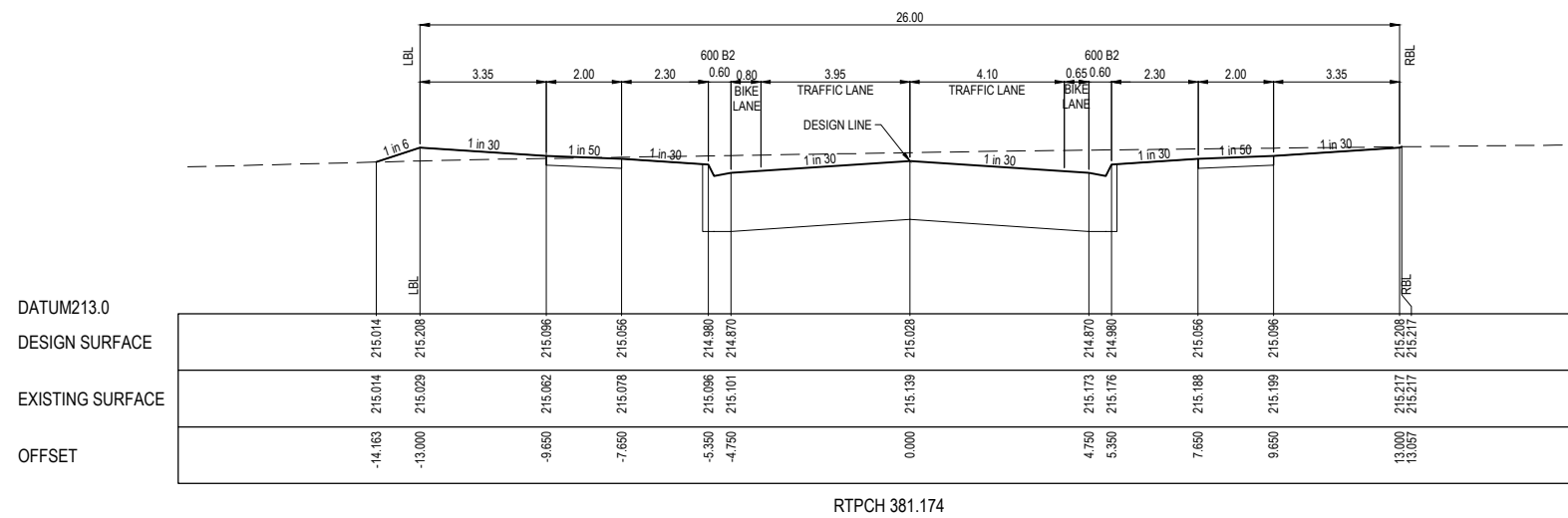
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	TYPE A SELECTED MATERIAL FILL. (REFER TO CONSTRUCTION NOTES E1)

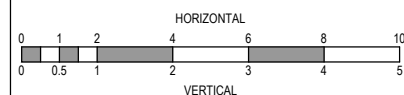


**APPROVED  
DETAILED ENGINEERING PLANS**  
Nihal Jayasekara  
ENGINEERING SERVICES  
Date: 01/07/2022



**ISSUED  
FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed Date: D. ZHANG 11.08.2021  
 Drawn: N. TABUENA  
 Approved Date: R. WICKETT 19.08.2021  
 PS Number: PS 822978N/S1



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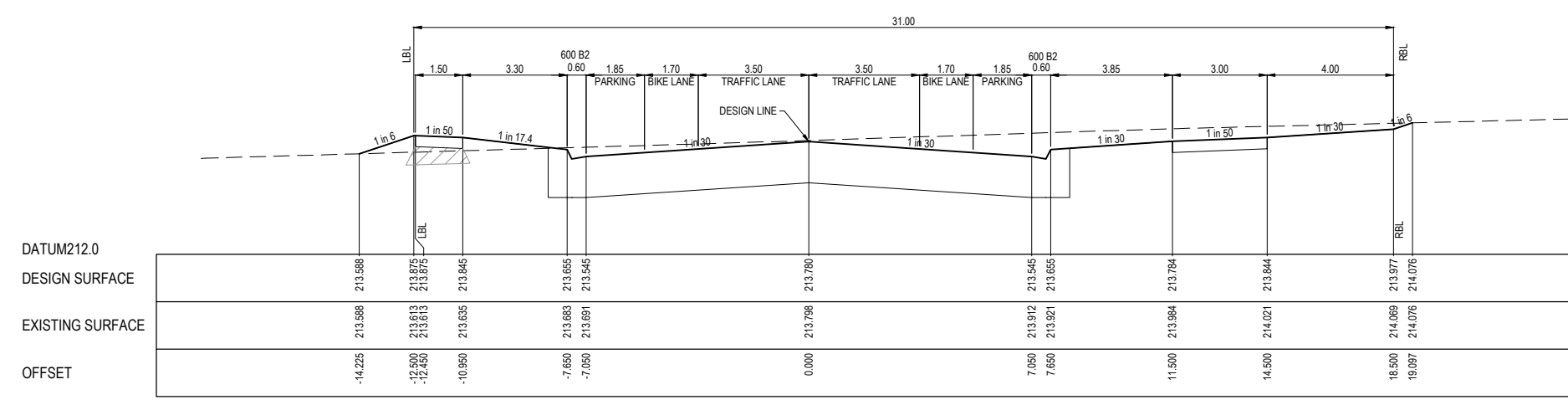
Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
 Drawing Title: ROAD CROSS SECTIONS BANKS DRIVE (EAST)

Sheet 08 of 20  
 Scale: 1:100 H 1:50 V @ A1  
 Project Ref: 1600059 Stage No: 5A Drawing No: 200 Rev: A

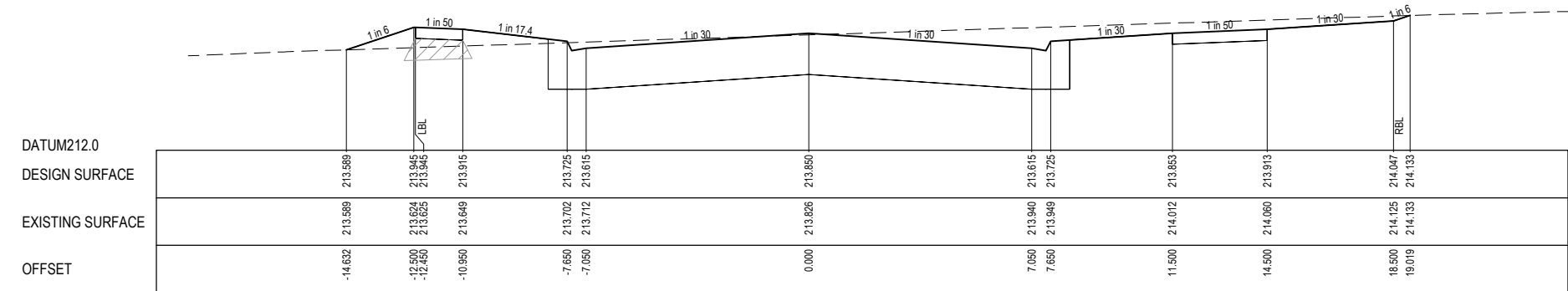


LEGEND	
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	DESIGN SURFACE
	TYPE A SELECTED MATERIAL FILL. (REFER TO CONSTRUCTION NOTES E1)

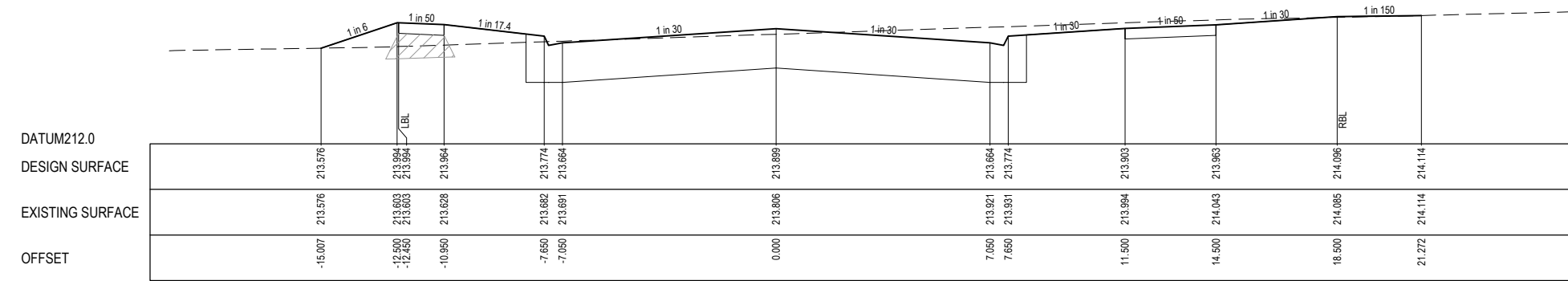
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



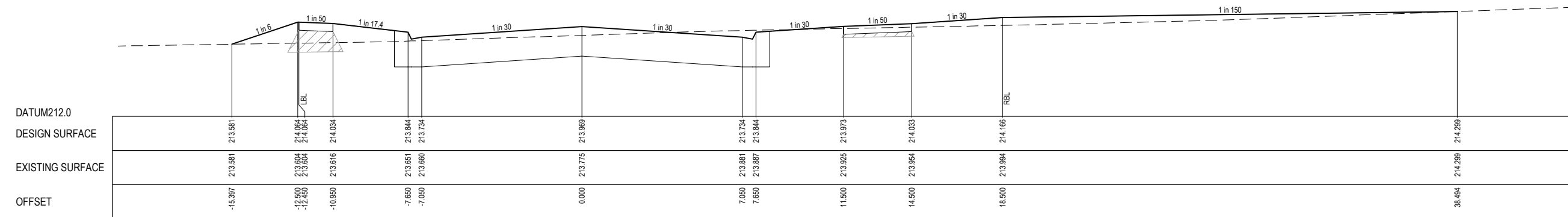
CH 129.974



CH 116.060



CH 106.183



CH 92.183

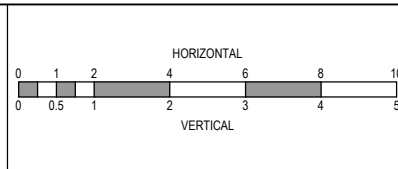


**APPROVED**  
**DETAILED ENGINEERING PLANS**  
 Nihal Jayasekara  
 ENGINEERING SERVICES  
 Date: 01/07/2022

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.	
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.	
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.	
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.	

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



Designed Date: D. ZHANG 11.08.2021  
 Drawn: N. TABUENA  
 Approved Date: R. WICKETT 19.08.2021  
 PS Number: PS 822978WS1



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 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A  
 AUST. INVESTMENT & DEVELOPMENTS P/L  
 CITY OF MELTON  
 Drawing Title: ROAD CROSS SECTIONS  
 BANKS DRIVE (WEST)  
 (SHEET 2 OF 4)

Sheet 10 of 20			
Scale: 1:100 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1600059	5A	202	A

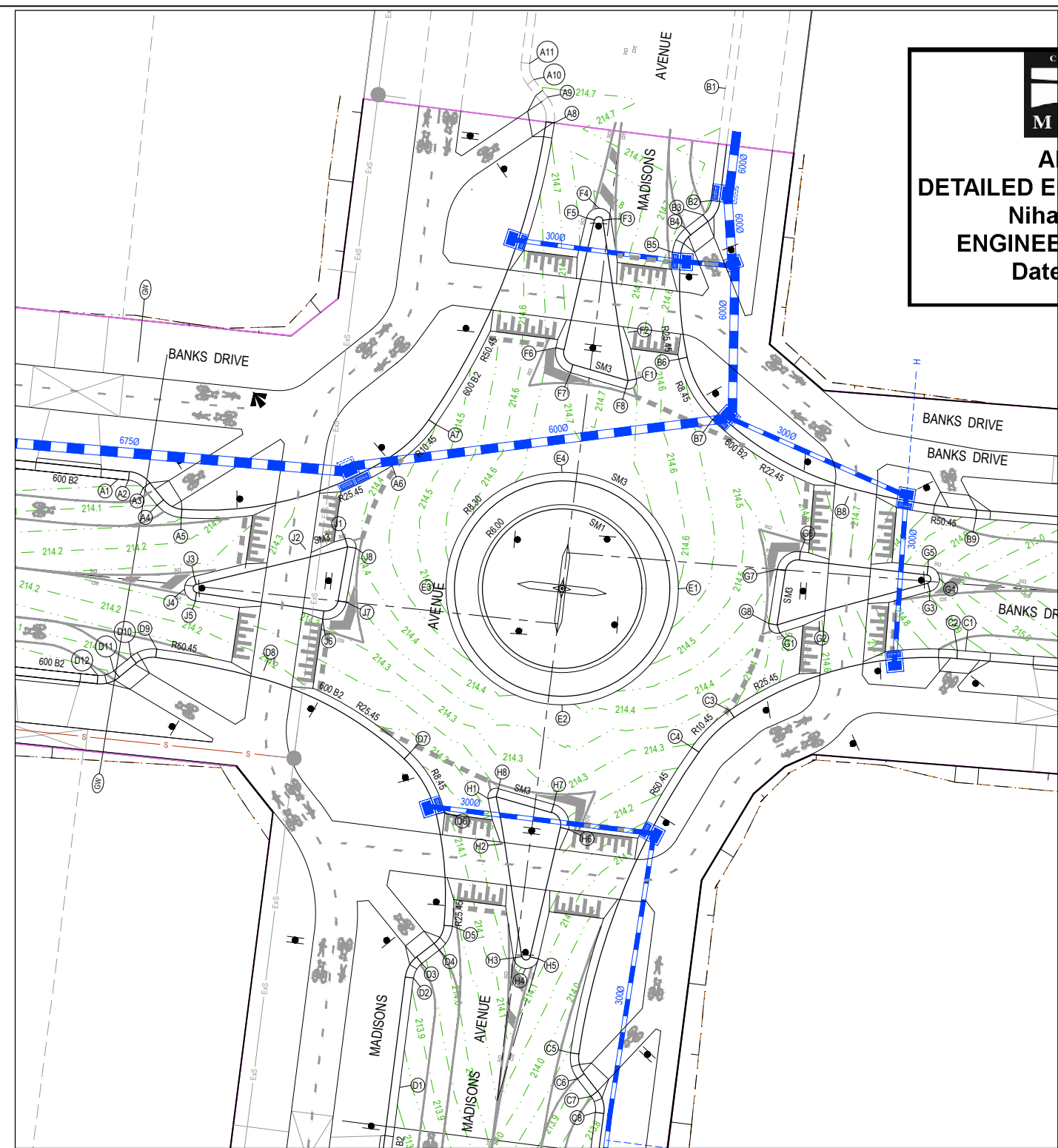
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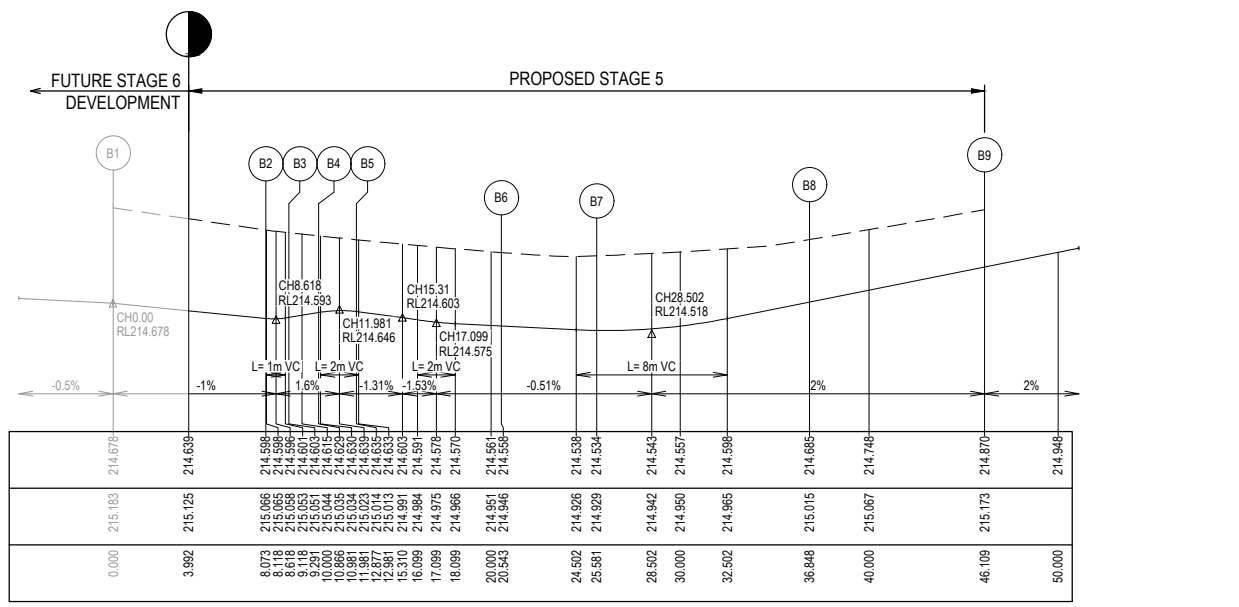
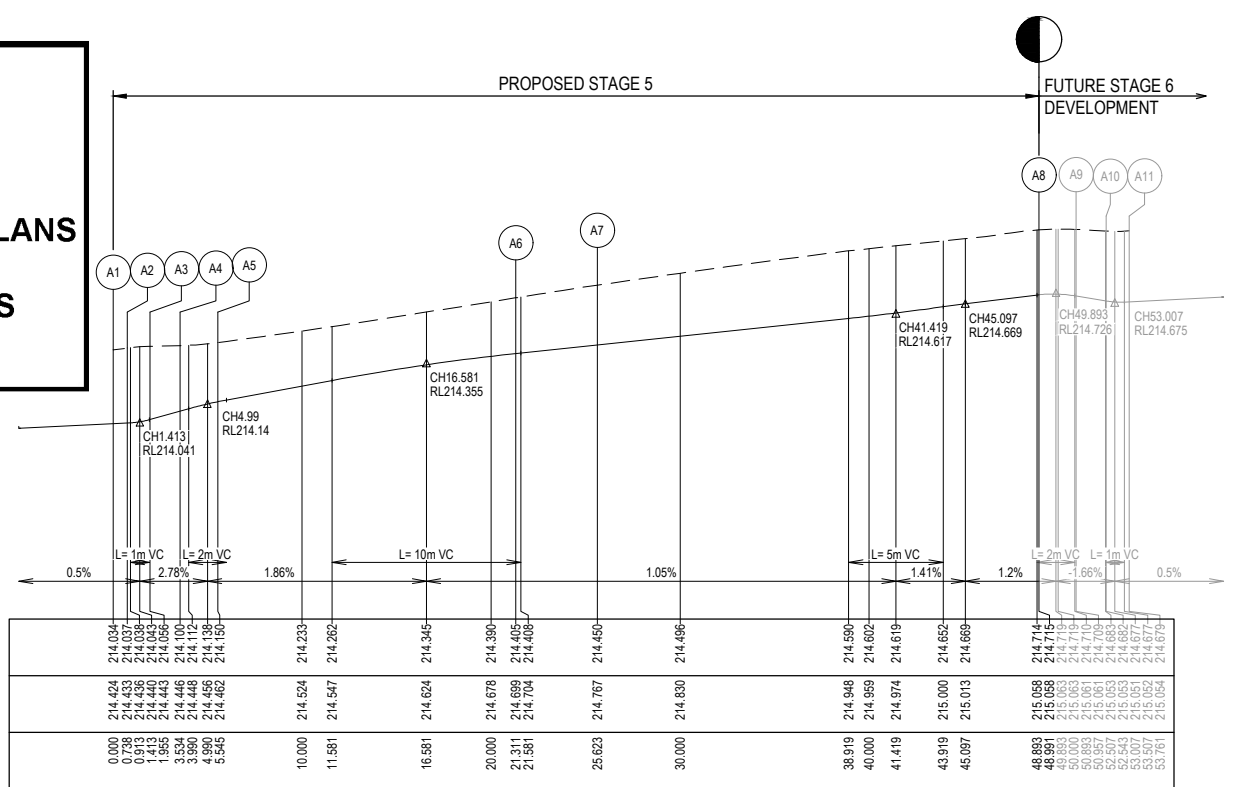




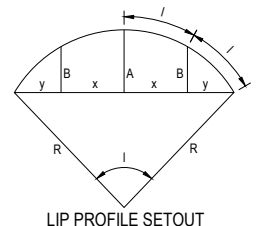




  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
 Nihal Jayasekara  
 ENGINEERING SERVICES  
 Date: 01/07/2022



- LEGEND**
- STORMWATER DRAIN, PIT & PROPERTY INLET
  - MELBOURNE WATER DRAIN & PIT
  - SEWER & MAINTENANCE STRUCTURES
  - HOUSE DRAIN
  - TACTILE PAVERS (INDICATIVE ONLY)
  - EXISTING HOUSE DRAIN
  - RETAINING WALL
  - PAVEMENT TREATMENT
  - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
  - "NO ROAD" SIGN & BARRIER
  - LIMIT OF WORKS
  - EXISTING TREE TO BE REMOVED
  - PERMANENT SURVEY MARK
  - TEMPORARY BENCH MARK
  - PROPOSED DRIVEWAY



FOR LIP LINE & SETOUT OF ALIGNMENT C, D, & E REFER TO DWG. 1600059-05-301

FOR SETOUT OF ALIGNMENT F, G, H & J REFER TO DWG. 1600059-05-301

**ALIGNMENT A**

Point no	Easting	Northing	RL
A1	297036.018	5833969.121	214.034
A2	297036.752	5833969.045	214.037
A3	297037.796	5833968.480	214.056
A4	297038.791	5833967.255	214.100
A5	297040.527	5833966.355	214.150
A6	297055.590	5833970.071	214.405
A7	297058.699	5833973.014	214.450
A8	297067.181	5833994.565	214.715
A9	297066.693	5833996.416	214.709
A10	297065.722	5833997.669	214.682
A11	297065.410	5833998.814	214.679

**ALIGNMENT B**

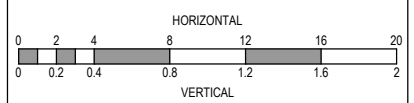
Point no	Easting	Northing	RL
B1	297079.397	5833987.038	214.678
B2	297078.381	5833989.030	214.598
B3	297077.793	5833987.999	214.603
B4	297076.547	5833987.035	214.629
B5	297075.608	5833985.320	214.635
B6	297076.064	5833977.696	214.558
B7	297078.480	5833973.361	214.534
B8	297088.192	5833967.886	214.685
B9	297097.306	5833966.316	214.870

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
A2 - A3	45.000	1.550	1.217	0.118	0.088	0.302	0.291	0.304	214.042
A4 - A5	47.028	2.450	2.011	0.203	0.152	0.499	0.478	0.503	214.127
A5 - A6	35.494	25.450	15.766	1.211	1.907	3.926	3.832	3.941	214.295
A6 - A7	23.641	10.450	4.312	0.222	0.166	1.076	1.065	1.078	214.428
A7 - A8	26.539	50.450	23.368	1.347	1.009	5.829	5.751	5.842	214.573
A8 - A9	45.981	2.450	1.966	0.195	0.145	0.488	0.469	0.492	214.719
A10 - A11	45.000	1.550	1.217	0.118	0.088	0.302	0.291	0.304	214.677

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
B2 - B3	45.000	1.550	1.217	0.118	0.088	0.302	0.291	0.304	214.596
B4 - B5	47.028	2.450	2.011	0.203	0.152	0.499	0.478	0.503	214.582
B6 - B7	34.156	8.450	5.037	0.373	0.279	1.255	1.227	1.259	214.545
B7 - B8	28.755	22.450	11.267	0.703	0.527	2.809	2.765	2.817	214.575
B8 - B9	10.517	50.450	9.261	0.212	0.159	2.314	2.309	2.315	214.777

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P4	SHARED PATH LAYOUT ON ROUNDABOUT AMENDED	23.03.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



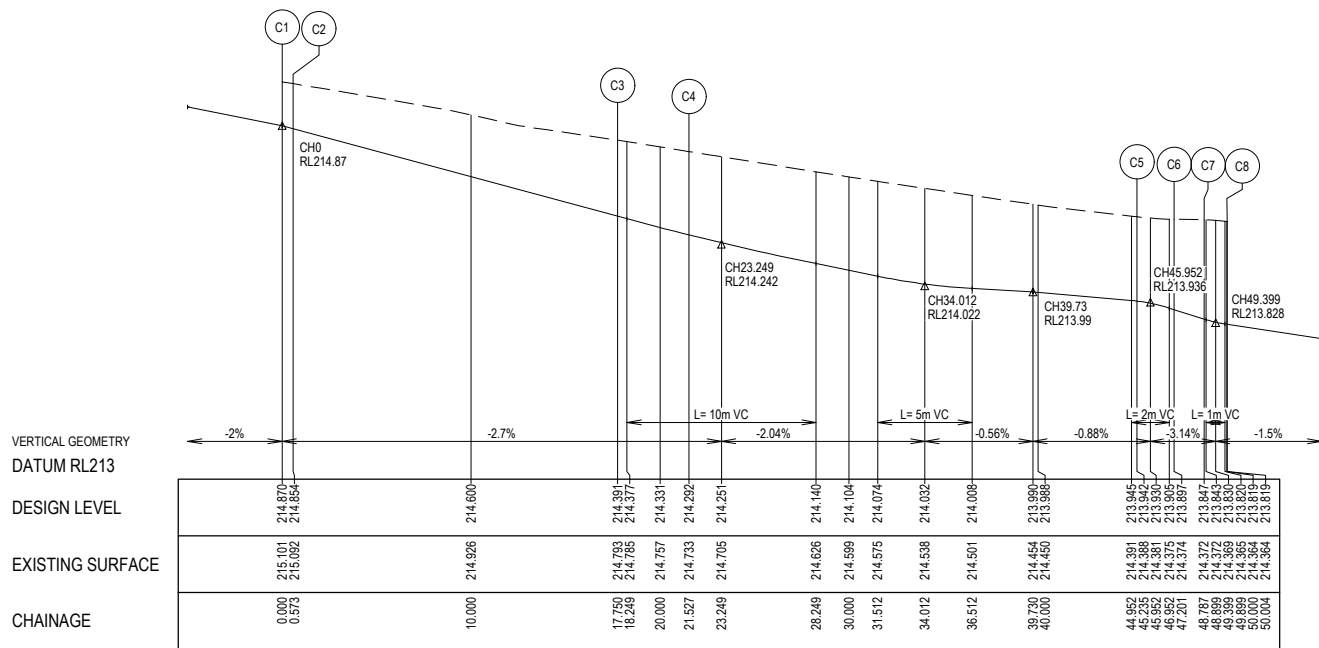
Designed: D. ZHANG  
Date: 11.08.2021  
Drawn: N. TABUENA  
Approved: R. WICKETT  
Date: 19.08.2021  
PS Number: PS 822978WS1



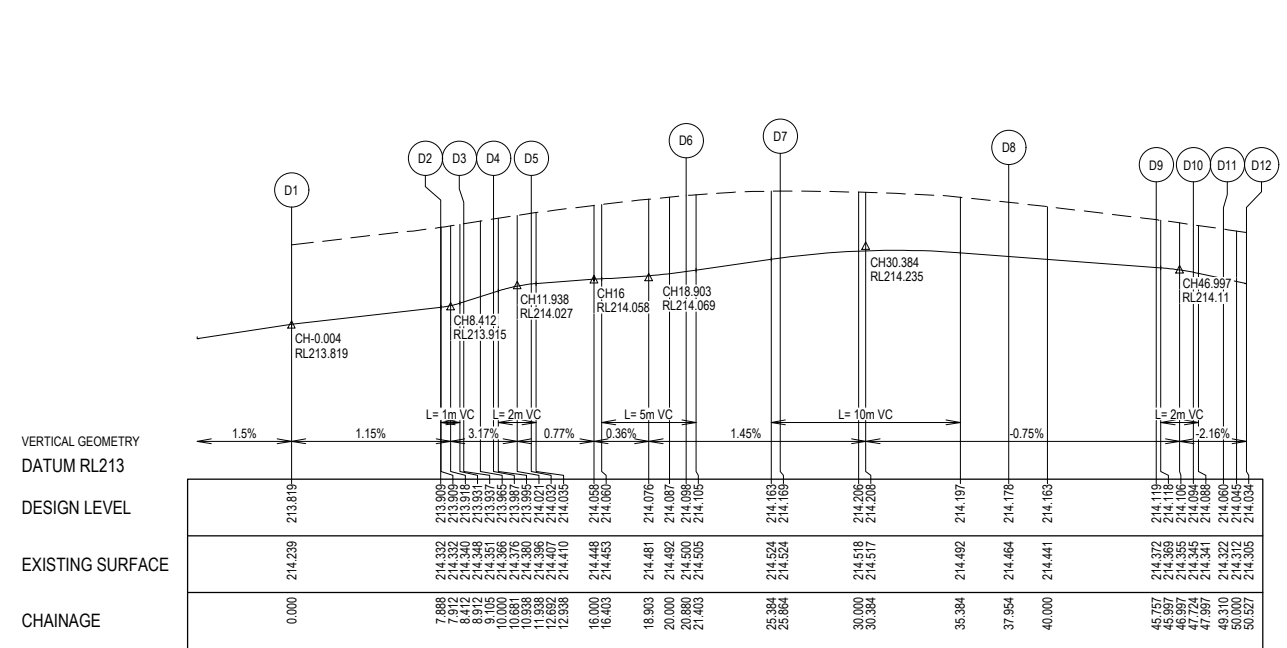
Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
Drawing Title: INTERSECTION DETAILS (SHEET 1 OF 2)

Sheet 14 of 20  
Scale: 1:200 H 1:20 V @ A1  
Project Ref: 1600059  
Stage No: 5A  
Drawing No: 300  
Rev: A

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LIP LINE C



LIP LINE D

ALIGNMENT C

Point no	Easting	Northing	RL
C1	297096.558	5833956.845	214.870
C2	297095.986	5833956.890	214.854
C3	297079.694	5833952.580	214.391
C4	297077.015	5833949.947	214.292
C5	297066.339	5833928.118	213.942
C6	297066.827	5833926.267	213.897
C7	297069.798	5833925.014	213.847
C8	297070.111	5833923.869	213.819

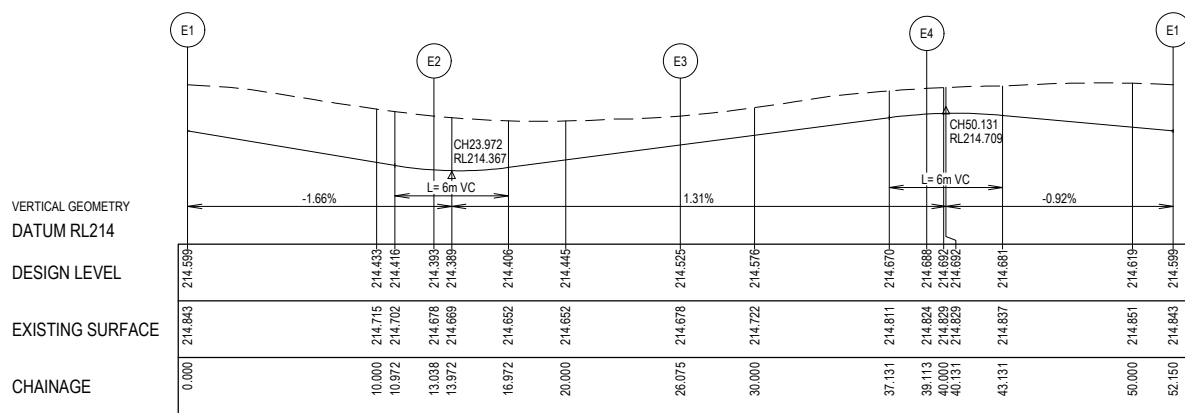
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
C2 - C3	38.671	25.450	17.177	1.435	1.074	4.274	4.153	4.294	214.622
C3 - C4	20.707	10.450	3.777	0.170	0.128	0.943	0.935	0.944	214.340
C4 - C5	26.925	50.450	23.708	1.386	1.038	5.913	5.832	5.927	214.041
C5 - C6	45.981	2.450	1.966	0.195	0.145	0.488	0.469	0.492	213.925
C7 - C8	45.000	1.550	1.217	0.118	0.088	0.302	0.291	0.304	213.830

ALIGNMENT D

Point no	Easting	Northing	RL
D1	297056.123	5833925.644	213.819
D2	297057.116	5833933.470	213.909
D3	297057.704	5833934.500	213.937
D4	297058.950	5833935.465	213.987
D5	297059.889	5833937.179	214.032
D6	297059.319	5833945.312	214.098
D7	297056.854	5833949.561	214.169
D8	297046.416	5833955.434	214.178
D9	297038.772	5833956.965	214.119
D10	297036.933	5833956.435	214.094
D11	297035.702	5833955.435	214.060
D12	297034.565	5833955.096	214.034

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D2 - D3	45.000	1.550	1.217	0.118	0.088	0.302	0.291	0.304	213.920
D4 - D5	47.028	2.450	2.011	0.203	0.152	0.499	0.478	0.503	214.016
D5 - D6	18.433	25.450	8.188	0.329	0.246	2.045	2.032	2.047	214.061
D6 - D7	33.795	8.450	4.984	0.365	0.273	1.242	1.215	1.246	214.133
D7 - D8	27.218	25.450	12.090	0.715	0.535	3.015	2.973	3.022	214.210
D8 - D9	8.863	50.450	7.804	0.151	0.113	1.950	1.948	1.951	214.149
D9 - D10	45.981	2.450	1.966	0.195	0.145	0.488	0.469	0.492	214.110
D11 - D12	45.000	1.550	1.217	0.118	0.088	0.302	0.291	0.304	214.047

  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
**Nihal Jayasekara**  
**ENGINEERING SERVICES**  
**Date: 01/07/2022**



LIP LINE E

ALIGNMENT E

Point no	Easting	Northing	RL
E1	297078.021	5833961.232	214.599
E2	297067.721	5833952.962	214.393
E3	297059.421	5833961.292	214.525
E4	297067.721	5833969.592	214.688

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
E1 - E2	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	214.490
E2 - E3	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	214.440
E3 - E4	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	214.610
E4 - E1	90.000	8.300	13.038	2.431	1.799	3.176	2.693	3.259	214.659

ALIGNMENT F

Point no	Easting	Northing	RL
F1	297073.041	5833976.282	214.643
F2	297072.441	5833979.603	214.696
F3	297071.233	5833987.703	214.827
F4	297070.380	5833988.470	214.809
F5	297069.467	5833987.777	214.772
F6	297067.288	5833978.504	214.671
F7	297068.333	5833976.719	214.705
F8	297072.288	5833975.580	214.672

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
F1 - F2	3.536	54.700	3.376	0.026	0.020	0.844	0.844	0.844	214.669
F3 - F4	79.151	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.828
F4 - F5	79.151	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.787
F6 - F7	87.149	1.500	2.282	0.413	0.306	0.557	0.477	0.570	214.675
F8 - F1	118.086	0.600	1.237	0.291	0.213	0.296	0.219	0.309	214.657

ALIGNMENT G

Point no	Easting	Northing	RL
G1	297083.290	5833958.130	214.479
G2	297086.103	5833958.968	214.592
G3	297094.012	5833961.094	214.908
G4	297094.676	5833962.028	214.943
G5	297093.884	5833962.857	214.912
G6	297084.757	5833963.931	214.567
G7	297083.099	5833962.667	214.509
G8	297082.511	5833958.790	214.450

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
G1 - G2	3.074	54.700	2.935	0.020	0.015	0.734	0.734	0.734	214.536
G3 - G4	79.119	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.932
G4 - G5	79.119	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.934
G6 - G7	88.092	1.500	2.306	0.422	0.312	0.562	0.480	0.577	214.531
G8 - G1	116.743	0.600	1.223	0.285	0.209	0.293	0.218	0.306	214.456

ALIGNMENT H

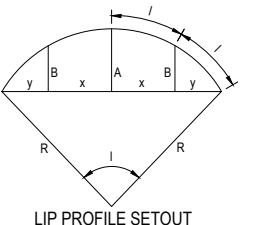
Point no	Easting	Northing	RL
H1	297062.439	5833946.290	214.220
H2	297063.038	5833943.010	214.205
H3	297064.263	5833934.912	214.169
H4	297065.118	5833934.147	214.140
H5	297066.030	5833934.842	214.120
H6	297068.185	5833944.081	214.228
H7	297067.136	5833945.864	214.287
H8	297063.190	5833946.992	214.250

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
H1 - H2	3.493	54.700	3.335	0.025	0.019	0.834	0.833	0.834	214.213
H3 - H4	79.133	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.159
H4 - H5	79.133	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.122
H6 - H7	87.167	1.500	2.282	0.413	0.306	0.557	0.477	0.571	214.257
H8 - H1	118.059	0.600	1.236	0.291	0.213	0.296	0.219	0.309	214.235

ALIGNMENT J

Point no	Easting	Northing	RL
J1	297052.239	5833964.862	214.373
J2	297049.402	5833964.096	214.330
J3	297041.440	5833962.175	214.274
J4	297040.752	5833961.258	214.286
J5	297041.523	5833960.409	214.262
J6	297050.622	5833959.101	214.309
J7	297052.312	5833960.322	214.338
J8	297053.002	5833964.181	214.394

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
J1 - J2	3.078	54.700	2.939	0.020	0.015	0.735	0.735	0.735	214.349
J3 - J4	79.126	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.288
J4 - J5	79.126	0.900	1.243	0.206	0.153	0.305	0.269	0.311	214.269
J6 - J7	88.055	1.500	2.305	0.421	0.312	0.562	0.480	0.576	214.321
J8 - J1	116.771	0.600	1.223	0.285	0.209	0.293	0.218	0.306	214.386

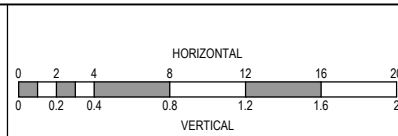


LIP PROFILE SETOUT

**ISSUED FOR CONSTRUCTION**


REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					

DESIGNED	D. ZHANG	DATE	11.08.2021
DRAWN	N. TABUENA	DATE	
APPROVED	R. WICKETT	DATE	19.08.2021
PS Number	PS 822978/N/S1		



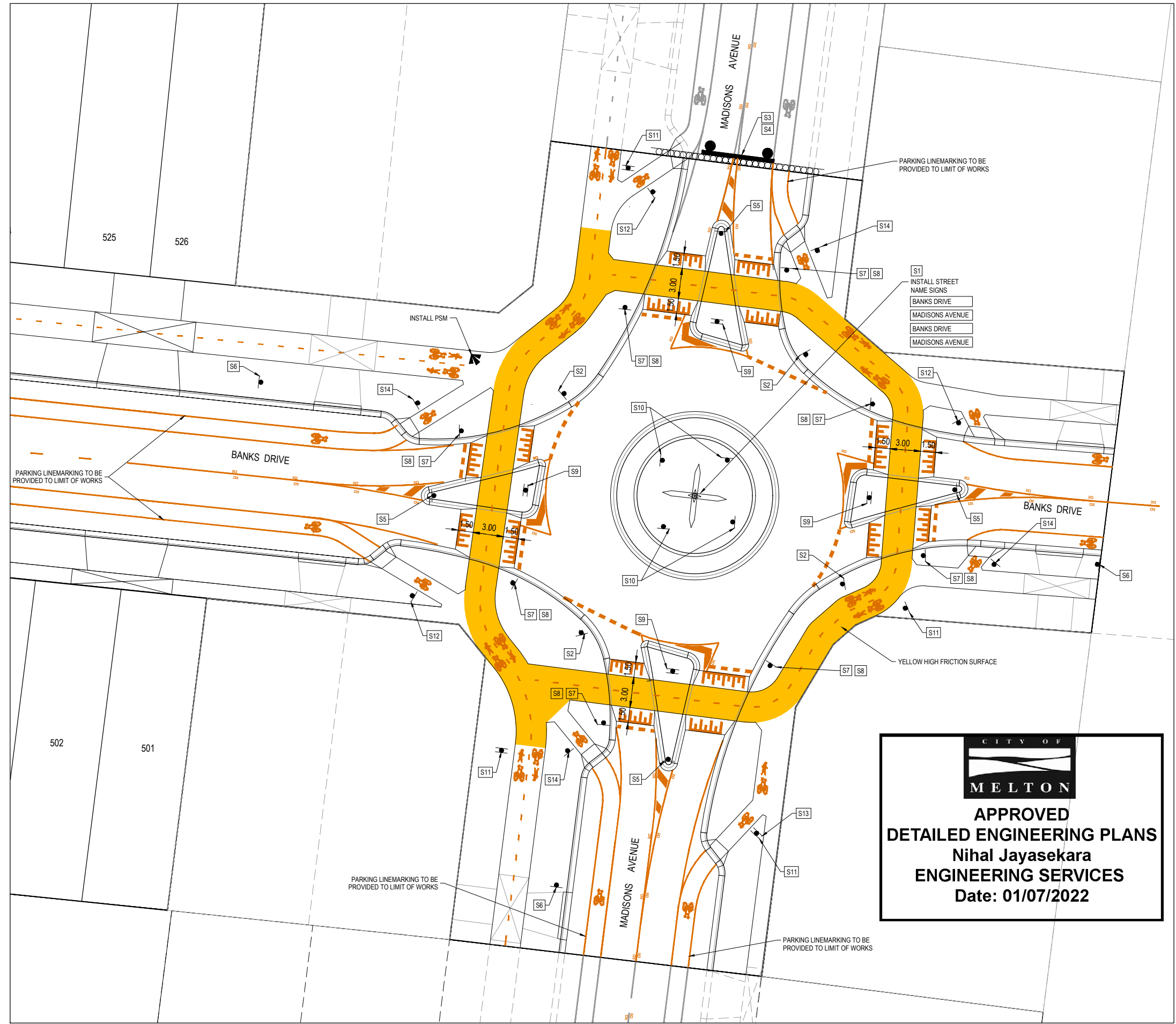

**Beveridge Williams**  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au


Project Details	DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON
Project Ref	1600059
Stage No	5A
Drawing No	301
Rev	A

Sheet 15 of 20  
 Scale  
 1:200 H 1:20 V @ A1  


K:\Jobs Data\1600059 Diggers Rest\_Eng\Precinct 2\Stage 5\Drawings\1600059-5A-300-INT.dwg





  
**APPROVED**  
**DETAILED ENGINEERING PLANS**  
**Nihal Jayasekara**  
**ENGINEERING SERVICES**  
**Date: 01/07/2022**

**SIGN SCHEDULE**

IDENTIFIER	NUMBER	SIGN	IDENTIFIER	NUMBER	SIGN
S1	STREET NAME SIGN		S9	R3-1	
S2	R1-3		S10	D4-1-2	
S3	D4-5		S11	R8-2	
S4	G9-20		S12	R8-1	
S5	R2-3(L)		S13	R8-3 (R)	
S6	W2-7		S14	R8-1	
S7	R1-2			R7-4	
S8	W6-9				

SIGNS SHALL BE LOCATED SUCH THAT THE EDGE OF THE SIGN IS MINIMUM 0.5m BEHIND THE KERB INVERT.

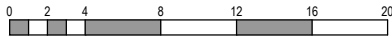
**NOTES**

- RRPM'S AT MAX 6m SPACING.
- LINEMARKING IN ACCORDANCE WITH AUSTRALIAN STANDARD AS1742.
- TGSIs ARE TO BE PROVIDED AT ALL PEDESTRAIN CROSSINGS USING FIBRE REINFORCED TYPE MATERIAL AS PER COUNCIL STANDARD DRAWING MCC 404.
- ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
- ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
- ALL SIGNAGE TO BE INSTALLED INCLUDING HEIGHT AND OFFSET AS PER STD DWG MCC 205. INSTALL ALL SIGNS ON NEW POSTS UNLESS NOTED OTHERWISE.

ISSUED  
FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P4	SHARED PATH LAYOUT ON ROUNDABOUT AMENDED	23.03.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed D. ZHANG  
Date 11.08.2021  
Drawn N. TABUENA  
Approved R. WICKETT  
Date 19.08.2021  
PS Number PS 822978/NS1

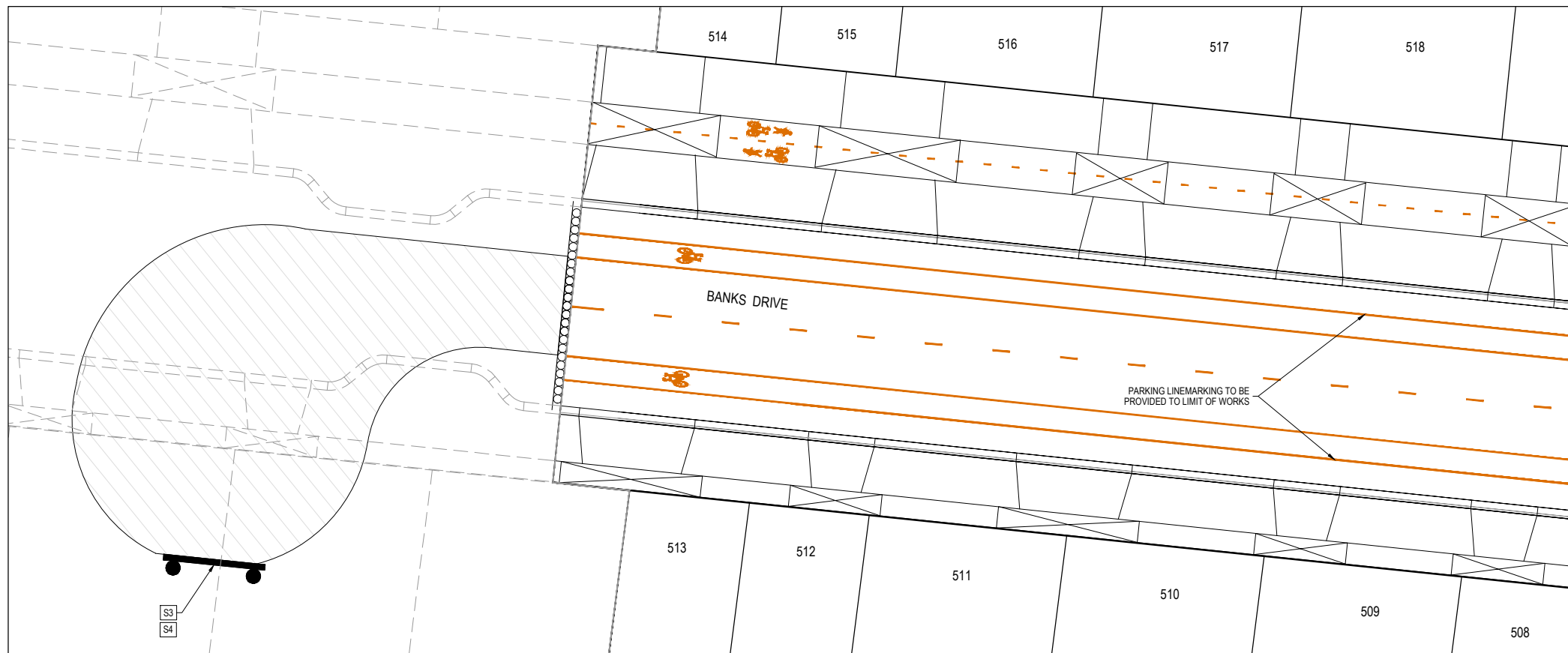
**BW** Beveridge Williams  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details  
 DAVIS VINEYARD PRECINCT 2 - STAGE 5A  
 AUST. INVESTMENT & DEVELOPMENTS P/L  
 CITY OF MELTON  
 Drawing Title  
 SIGNAGE & LINE MARKING PLANS  
 (SHEET 1 OF 2)

Sheet 16 of 20  
 Scale  
 1:200 @ A1  
 Project Ref  
 1600059  
 Stage No  
 5A  
 Drawing No  
 350  
 Rev  
 A







**SIGN SCHEDULE**

IDENTIFIER	NUMBER	SIGN	IDENTIFIER	NUMBER	SIGN
S1	STREET NAME SIGN		S9	R3-1	
S2	R1-3		S10	D4-1-2	
S3	D4-5		S11	R8-2	
S4	G9-20		S12	R8-1	
S5	R2-3(L)		S13	R8-3 (R)	
S6	W2-7		S14	R8-1	
S7	R1-2			R7-4	
S8	W6-9				

SIGNS SHALL BE LOCATED SUCH THAT THE EDGE OF THE SIGN IS MINIMUM 0.5m BEHIND THE KERB INVERT.



**APPROVED  
DETAILED ENGINEERING PLANS**  
Nihal Jayasekara  
ENGINEERING SERVICES  
Date: 01/07/2022

**NOTES**

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- ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.
- ALL SIGNAGE TO BE INSTALLED INCLUDING HEIGHT AND OFFSET AS PER STD DWG MCC 205. INSTALL ALL SIGNS ON NEW POSTS UNLESS NOTED OTHERWISE.

ISSUED  
FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P4	CENTRE LINE MARKING IN BANKS DRIVE UPDATED	23.03.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed Date: D. ZHANG 11.08.2021  
Drawn: N. TABUENA  
Approved Date: R. WICKETT 19.08.2021  
PS Number: PS 822978N/S1



Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
Drawing Title: SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)

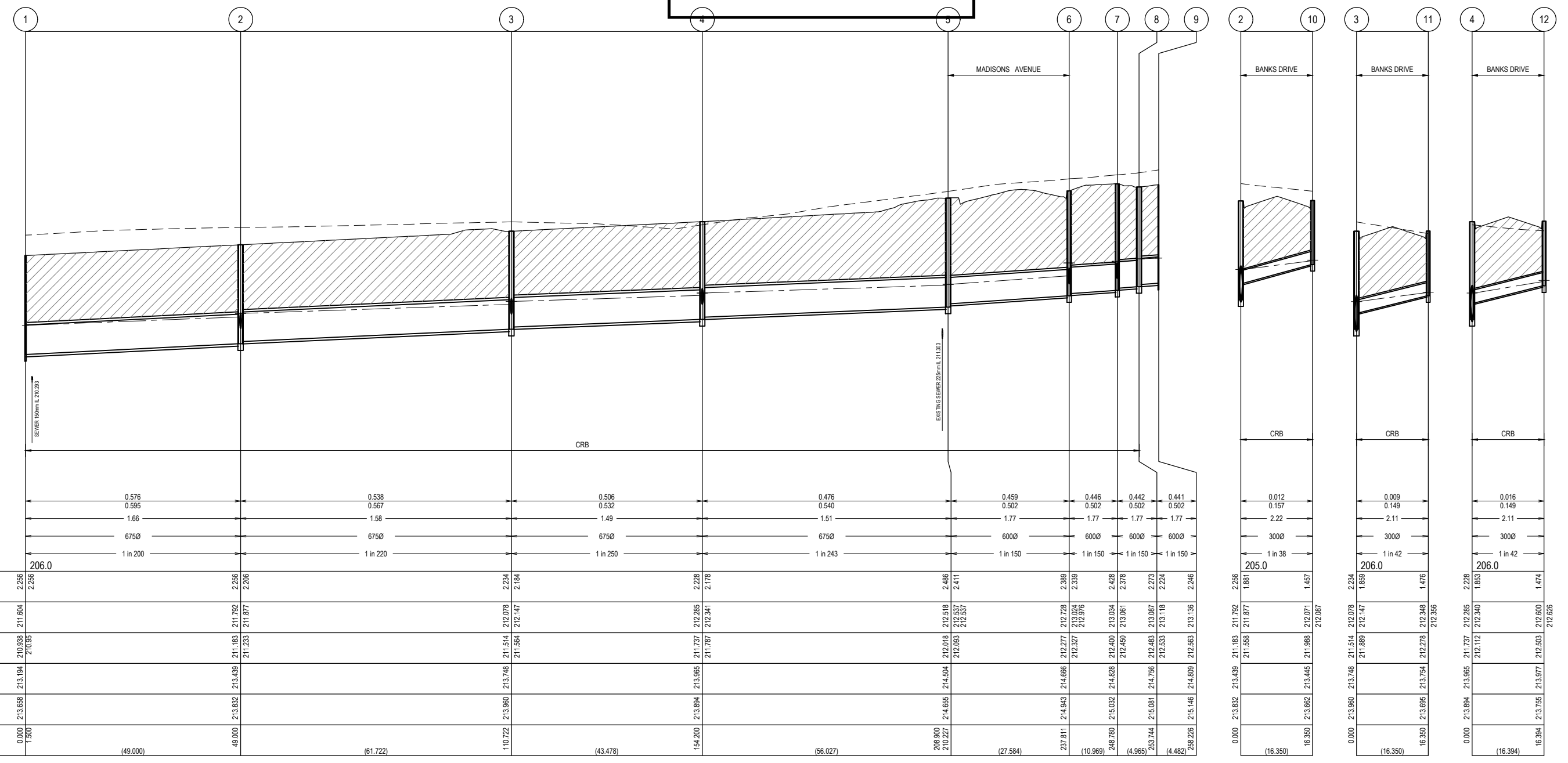
Sheet 17 of 20  
Scale: 1:200 @ A1  
Project Ref: 1600059  
Stage No: 5A  
Drawing No: 351  
Rev: A



**APPROVED  
DETAILED ENGINEERING PLANS  
Nihal Jayasekara  
ENGINEERING SERVICES  
Date: 01/07/2022**

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

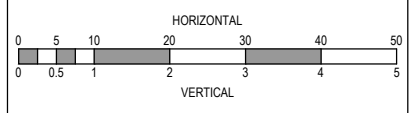
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DNOTES 20mm CLASS 3 FCR BACKFILL



	0+000	0+1500	0+49000	0+61722	0+43478	0+154200	0+208900	0+27584	0+109699	0+4965	0+4482	2+350	2+350	2+394	
DESIGN FLOW (m <sup>3</sup> /s)			0.576		0.538		0.506		0.476		0.442		0.012		0.016
CAPACITY (m <sup>3</sup> /s)			0.595		0.567		0.532		0.540		0.502		0.157		0.149
AT GRADE VELOCITY (m/s)			1.66		1.58		1.49		1.51		1.77		2.22		2.11
PIPE SIZE (mm)			6750		6750		6750		6750		6000		3000		3000
PIPE GRADE			1 in 200		1 in 220		1 in 250		1 in 243		1 in 150		1 in 38		1 in 42
DATUM	206.0														
DEPTH TO INVERT	2.256	2.256				2.234	2.184		2.228	2.178		2.486	2.411		2.228
H.G.L.	211.604	211.604	211.192	211.192	211.192	212.078	212.147	212.285	212.341	212.341	212.518	212.537	212.537	212.537	212.537
INVERT LEVEL	210.938	210.938	211.183	211.183	211.183	211.514	212.078	211.564	212.147	212.147	212.083	212.083	212.083	212.083	212.083
FINISHED SURFACE	213.194	213.194	213.439	213.439	213.439	213.748	213.748	213.894	213.894	213.894	214.504	214.504	214.504	214.504	214.504
EXISTING SURFACE	213.658	213.658	213.832	213.832	213.832	213.960	213.960	213.894	213.894	213.894	214.655	214.655	214.655	214.655	214.655
PIPE CHAINAGE (Reach Length)	0.000	1.500	49.000	(49.000)	61.722	110.722	(43.478)	154.200	(56.027)	208.900	(27.584)	237.811	(10.969)	248.780	(4.965)

**ISSUED  
FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed Date: 11.08.2021  
D. ZHANG  
Drawn: N. TABUENA  
Approved Date: 19.08.2021  
R. WICKETT  
PS Number: PS 822978N/S1

**BW Beveridge Williams**  
1 Glenferrie Road  
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ph: 03 9524 8888  
www.beveridgewilliams.com.au

Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)

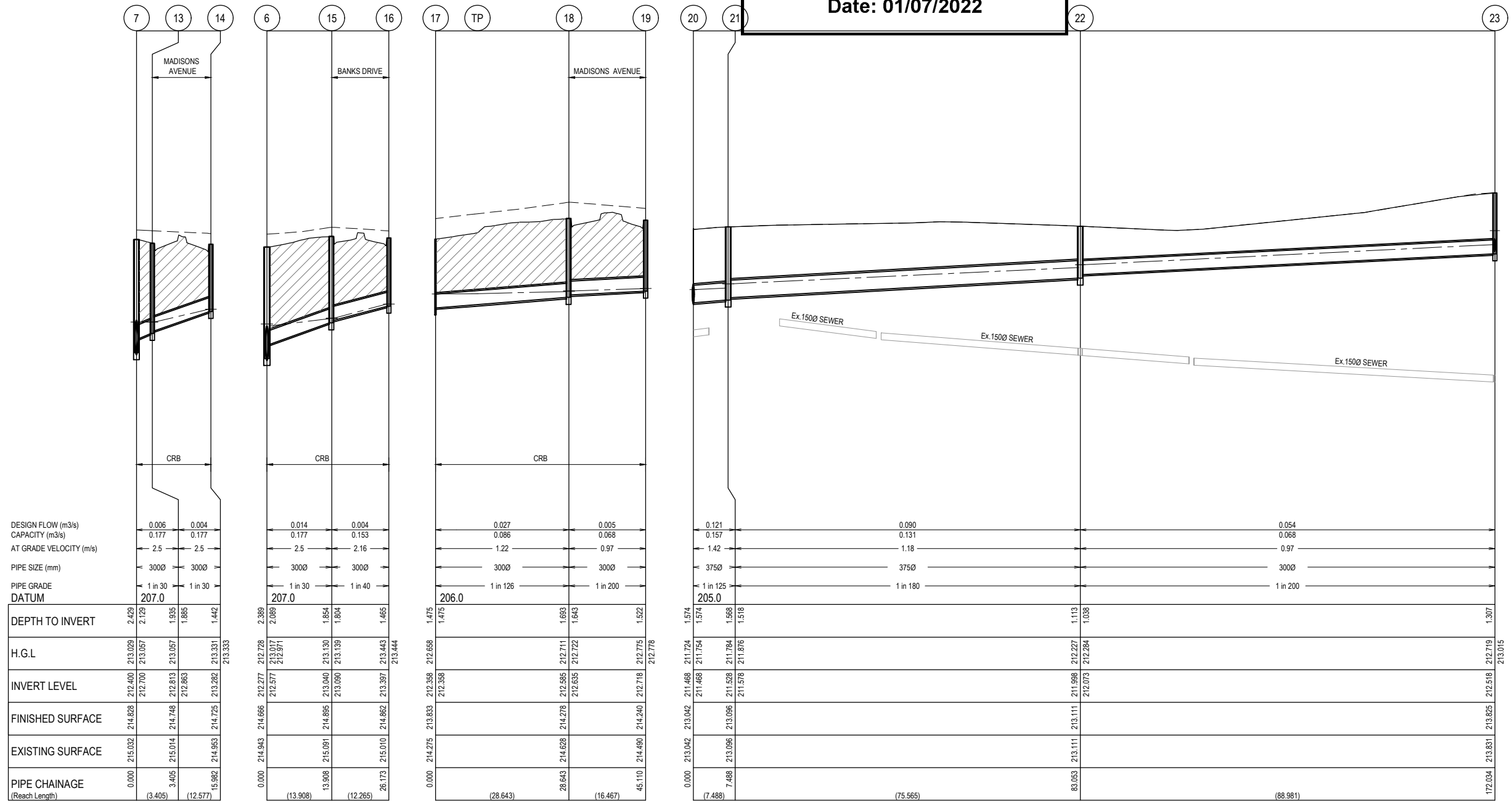
Sheet 18 of 20  
Scale: 1:500 H 1:50 V @ A1  
Project Ref: 1600059  
Stage No: 5A  
Drawing No: 400  
Rev: A

K:\Jobs Data\1600059 Diggers Rest\_Eng\Precond 2\Stage 5\Drawings\1600059-5A-400-DLS.dwg



**APPROVED  
DETAILED ENGINEERING PLANS  
Nihal Jayasekara  
ENGINEERING SERVICES  
Date: 01/07/2022**

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE



DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
2.429	213.029	212.400	214.828	215.032	0.000
2.129	213.057	212.700	214.828	215.032	3.405
1.935	213.057	212.813	214.748	215.014	15.982
1.885	213.331	212.863	214.725	214.953	(3.405)
1.442	213.333	212.282	214.725	214.953	(12.577)

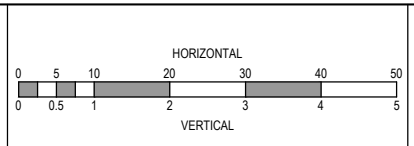
DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
2.389	212.778	212.577	214.666	214.943	0.000
2.089	212.971	212.577	214.666	214.943	13.908
1.854	213.130	213.040	214.895	215.091	(12.265)
1.804	213.139	213.090	214.895	215.091	
1.465	213.443	213.397	214.862	215.010	

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.475	212.658	212.358	214.275	213.833	0.000
1.683	212.711	212.358	214.275	213.833	28.643
1.643	212.722	212.635	214.278	214.628	(16.467)
1.522	212.775	212.718	214.240	214.490	

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.574	211.724	211.488	213.042	213.042	0.000
1.588	211.784	211.528	213.096	213.096	7.488
1.518	211.876	211.578	213.096	213.096	(7.488)
1.113	212.227	211.988	213.111	213.111	
1.038	212.284	212.073	213.111	213.111	
1.307	212.719	212.518	213.825	213.831	

**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.					
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.					
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.					
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.					



Designed Date: D. ZHANG 11.08.2021  
 Drawn: N. TABUENA  
 Approved Date: R. WICKETT 19.08.2021  
 PS Number: PS 822978N/S1

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 www.beveridgewilliams.com.au

Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A AUST. INVESTMENT & DEVELOPMENTS P/L CITY OF MELTON  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 2)

Sheet 19 of 20  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1600059  
 Stage No: 5A  
 Drawing No: 401  
 Rev: A

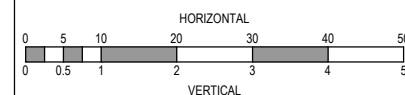
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PIT SCHEDULE											
PIT NUMBER	PIT TYPE	INTERNAL DIMENSION		INLET		OUTLET		COVERL LEVEL (m)	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV LEVEL (mm)	DIAMETER (mm)	INV LEVEL (mm)				
1	ENDWALL			675	210.938			213.194	2.256		REFER TO DRAWING 1600059-05-002 FOR DETAILS
2	SIDE ENTRY PIT GRATED	900	900	675	211.233	675	211.183	213.439	2.256	EDCM 601 & 607	HAUNCH PIT TO 600x900 COVER
				300	211.558						
3	SIDE ENTRY PIT GRATED	900	900	675	211.564	675	211.514	213.748	2.234	EDCM 601 & 607	HAUNCH PIT TO 600x900 COVER
				300	211.889						
4	SIDE ENTRY PIT GRATED	900	900	675	211.787	675	211.737	213.965	2.228	EDCM 601 & 607	HAUNCH PIT TO 600x900 COVER
				300	212.112						
5	DOUBLE SIDE ENTRY PIT GRATED	1050	900	600	212.093	675	212.018	214.504	2.486	EDCM 602 & 607	HAUNCH PIT TO 600x900 COVER
6	SIDE ENTRY PIT GRATED	600	1050	600	212.327	600	212.277	214.666	2.389	EDCM 601 & 607	HAUNCH PIT TO 600x900 COVER
				300	212.577						
7	JUNCTION PIT	600	900	600	212.450	600	212.400	214.828	2.428	EDCM 605	HAUNCH PIT TO 600x900 COVER
				300	212.700						
8	SIDE ENTRY PIT GRATED	900	900	600	212.533	600	212.483	214.756	2.273	EDCM 601 & 607	HAUNCH PIT TO 600x900 COVER
9	END PIPE					600	212.563	214.809	2.246		CAP AND SEAL END PIPE
10	SIDE ENTRY PIT GRATED	600	900			300	211.988	213.445	1.457	EDCM 601 & 605	
11	SIDE ENTRY PIT GRATED	600	900			300	212.278	213.754	1.476	EDCM 601 & 605	
12	SIDE ENTRY PIT GRATED	600	900			300	212.503	213.977	1.474	EDCM 601 & 605	
13	SIDE ENTRY PIT GRATED	600	900	300	212.863	300	212.813	214.748	1.935	EDCM 601 & 605	
14	SIDE ENTRY PIT GRATED	600	900			300	213.282	214.725	1.442	EDCM 601 & 605	
15	SIDE ENTRY PIT GRATED	600	900	300	213.090	300	213.040	214.895	1.854	EDCM 601 & 605	
16	SIDE ENTRY PIT GRATED	600	900			300	213.397	214.862	1.465	EDCM 601 & 605	
17	EXISTING END PIPE			300	212.358			213.833	1.475		CONNECT INTO EXISTING ENDRPIPE
18	SIDE ENTRY PIT GRATED	600	900	300	212.635	300	212.585	214.278	1.693	EDCM 601 & 605	
19	SIDE ENTRY PIT GRATED	600	900			300	212.718	214.240	1.522	EDCM 601 & 605	
20	ENDWALL					375	211.468	213.042	1.574		REFER TO DRAWING 1600059-05-002 FOR DETAILS
21	JUNCTION PIT	600	900	375	211.578	375	211.528	213.096	1.568	EDCM 605	
22	JUNCTION PIT	900	600	300	212.073	375	211.998	213.111	1.113	EDCM 605	
23	JUNCTION PIT	900	600			300	212.518	213.825	1.307	EDCM 605	CONSTRUCT 2m 225Ø STUB OUT OF EASTERN WALL GRADE 1 IN 40 AT IL 212.593 FOR FUTURE CONNECTION
				225	212.593						



ISSUED FOR CONSTRUCTION

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A	ISSUED FOR CONSTRUCTION	07.04.22	D.Z.	R.W.						
P3	COUNCIL SUBMISSION	03.12.21	D.Z.	R.W.						
P2	ISSUED FOR TENDER	09.09.21	D.Z.	R.W.						
P1	ISSUED FOR INFORMATION	19.08.21	D.Z.	R.W.						
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.	



Designed Date: D. ZHANG 11.08.2021  
 Drawn: N. TABUENA  
 Approved Date: R. WICKETT 19.08.2021  
 PS Number: PS 822978N/S1



Project Details: DAVIS VINEYARD PRECINCT 2 - STAGE 5A  
 AUST. INVESTMENT & DEVELOPMENTS P/L  
 CITY OF MELTON  
 Drawing Title: PIT SCHEDULE

Sheet 20 of 20  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1600059  
 Stage No: 5A  
 Drawing No: 402  
 Rev: A