

MAPLE GROVE, PAKENHAM - STAGE 3

SATTERLY PROPERTY GROUP

CARDINIA SHIRE COUNCIL

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 Worksafe Victoria - 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 Cardinia Shire Council 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 7251/08/203) 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.

GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the Cardinia Shire Council current specification & standard drawings & to the satisfaction of the Cardinia Shire Council works supervisor.
- B2. Council to be notified two (2) clear days 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 (2017) & undertake safety precautions in trenching operations in accordance with Worksafe Compliance Code - Excavations Edition 2, December 2019.
- 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 Cardinia Shire Council 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 as per Council Std. Dwg. S-706. Paling to be on the reserve side.

ROADWORKS

- C1. 100e agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & 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 Cardinia Shire Council standards including logo. Court street names are to show court name only.
- 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 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 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. Provide 2.5m wide shared footpath through reserves as shown on a curvilinear alignment to the satisfaction of the engineer.
- C19. Tactile ground surface indicators (TGSi) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4.1 : 2009 & 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 - 2019 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. 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 Cardinia Shire Council works supervisor.

SURVEY ORIGIN

NAR-NAR-GOON PM 332

10 CANTY LANE

RL 32.751

MGA Coords

E 369546.435

N 5783887.680

MGA Truncated

E 9546.922

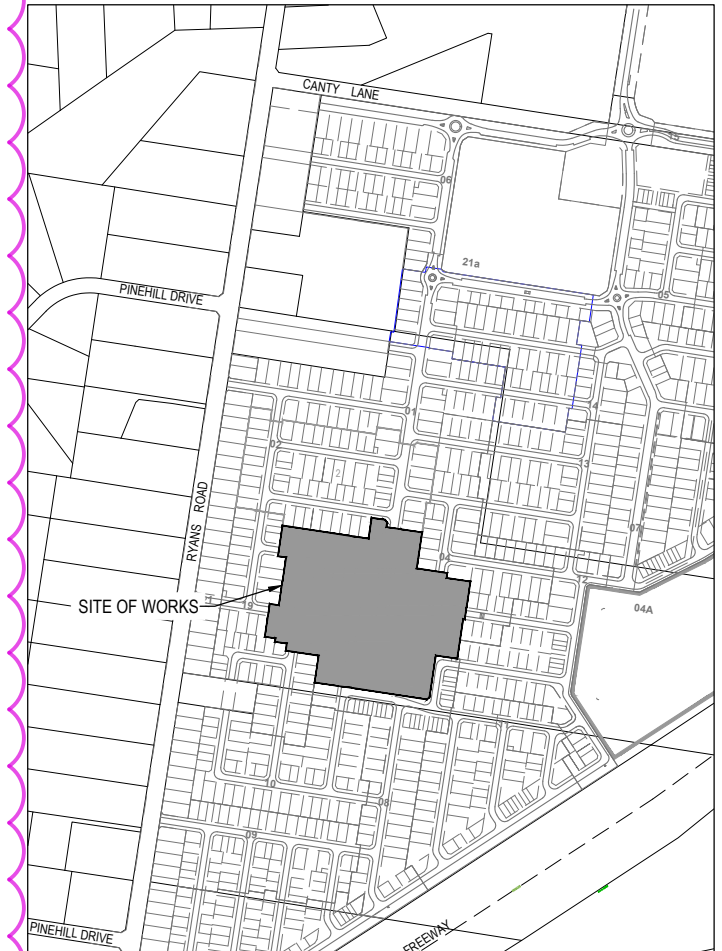
N 3889.141

COORDINATES ARE ON A LOCAL PLANE DATUM BASED UPON MGA2020 ZONE 55 BEARINGS AND TRUNCATED COORDINATES AT PM332. HEIGHTS ARE TO AHD WIDE PERMANENT MARK PM 123 (NAR NAR GOON) RL 17.239 AND SR71M210 RL 17.800.

FOR CONVERSION TO MGA2020 ZONE 55 COORDINATES.
FOR PLANE SHIFT ADD +360,000.000 TO EASTINGS AND
+5,780,000.000 TO NORTHINGS.
FOR SCALE FACTOR MULTIPLY BY 0.9998045 AT PM332

DRAWING INDEX

DRAWING No.	TITLE	REVISION
1701814-03-001	COVER SHEET	C
1701814-03-002	TYPICAL ROAD CROSS SECTIONS	B
1701814-03-003	PAVEMENT MAKEUP & GENERAL DETAILS	B
1701814-03-004	DRAINAGE AND SWALE DETAILS	A
1701814-03-005	RETAINING WALL DETAILS (SHEET 1 OF 2)	A
1701814-03-006	RETAINING WALL DETAILS (SHEET 2 OF 2)	A
1701814-03-010	LAYOUT PLAN (SHEET 1 OF 2)	C
1701814-03-011	LAYOUT PLAN (SHEET 2 OF 2)	C
1701814-03-020	ROAD PAVEMENT PLAN	B
1701814-03-030	RETAINING WALL PLAN	A
1701814-03-100	ROAD LONGITUDINAL SECTIONS BALCONY STREET	A
1701814-03-101	ROAD LONGITUDINAL SECTIONS ANNUAL AVENUE	A
1701814-03-102	ROAD LONGITUDINAL SECTIONS GAZEBO STREET (SHEET 1 OF 2)	B
1701814-03-103	ROAD LONGITUDINAL SECTIONS GAZEBO STREET (SHEET 2 OF 2)	B
1701814-03-104	ROAD LONGITUDINAL SECTIONS CABANA STREET	A
1701814-03-105	ROAD LONGITUDINAL SECTIONS PERGOLA STREET & PATIO LANE	A
1701814-03-106	WATER MAIN BATTER LONGITUDINAL SECTION & CROSS SECTIONS	A
1701814-03-200	ROAD CROSS SECTIONS BALCONY STREET (SHEET 1 OF 2)	A
1701814-03-201	ROAD CROSS SECTIONS BALCONY STREET (SHEET 2 OF 2)	A
1701814-03-202	ROAD CROSS SECTIONS ANNUAL AVENUE (SHEET 1 OF 3)	A
1701814-03-203	ROAD CROSS SECTIONS ANNUAL AVENUE (SHEET 2 OF 3)	A
1701814-03-204	ROAD CROSS SECTIONS ANNUAL AVENUE (SHEET 3 OF 3)	A
1701814-03-205	ROAD CROSS SECTIONS GAZEBO STREET (SHEET 1 OF 4)	A
1701814-03-206	ROAD CROSS SECTIONS GAZEBO STREET (SHEET 2 OF 4)	A
1701814-03-207	ROAD CROSS SECTIONS GAZEBO STREET (SHEET 3 OF 4)	A
1701814-03-208	ROAD CROSS SECTIONS GAZEBO STREET (SHEET 4 OF 4)	B
1701814-03-209	ROAD CROSS SECTIONS CABANA STREET	A
1701814-03-210	ROAD CROSS SECTIONS PERGOLA STREET	A
1701814-03-211	ROAD CROSS SECTIONS PATIO LANE	B
1701814-03-300	INTERSECTION DETAILS (SHEET 1 OF 5)	A
1701814-03-301	INTERSECTION DETAILS (SHEET 2 OF 5)	A
1701814-03-302	INTERSECTION DETAILS (SHEET 3 OF 5)	A
1701814-03-303	INTERSECTION DETAILS (SHEET 4 OF 5)	A
1701814-03-304	INTERSECTION DETAILS (SHEET 5 OF 5)	A
1701814-03-305	PATIO LANE DETAILS	B
1701814-03-350	SIGNAGE & LINE MARKING PLANS	B
1701814-03-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)	A
1701814-03-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 4)	C
1701814-03-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 4)	B
1701814-03-403	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 4)	C
1701814-03-404	PIT SCHEDULE	C
1701814-03-420	OUTFALL OPEN DRAIN	A
1701814-03-450	PLAN OF SUBDIVISION	C



SITE PLAN

NOT TO SCALE
MELWAY REF: 318 C8

ISSUED FOR
CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
C	DRAWING INDEX UPDATED	26.03.2025	HW	CD					
B	SHEETS 003.010.401.402.403.404 UPDATED	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



SCALE 1:5000 AT A1 SIZE

Designed G.HASAN
Date 17.07.2023
Drawn M.F. JAURIGUE
Checked N.MARTENS
Date 07.08.2024
Approved N. MARTENS
Reg. No. PS9098272
Date 07.08.2024
PS Number PS915535H

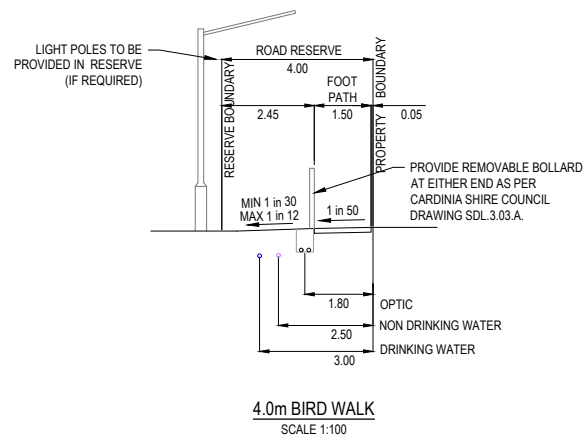
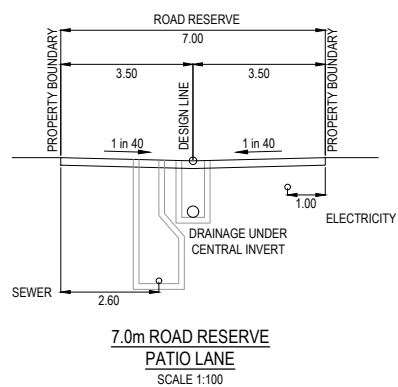
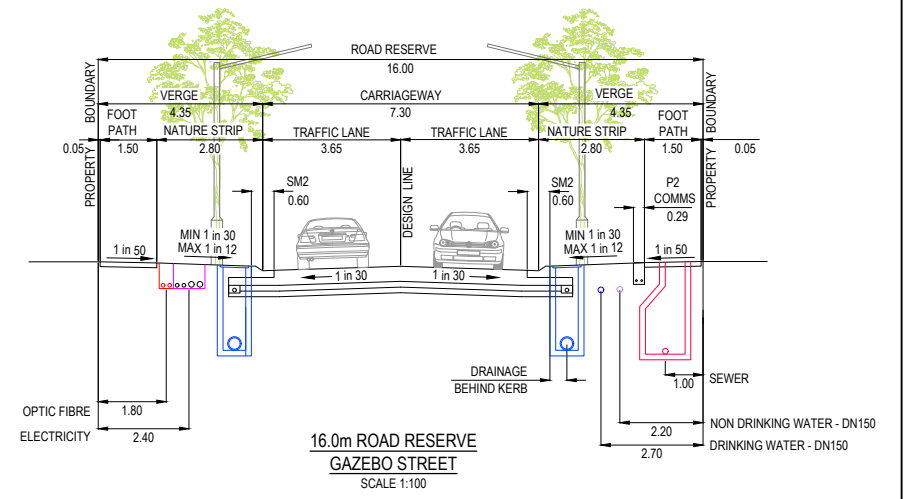
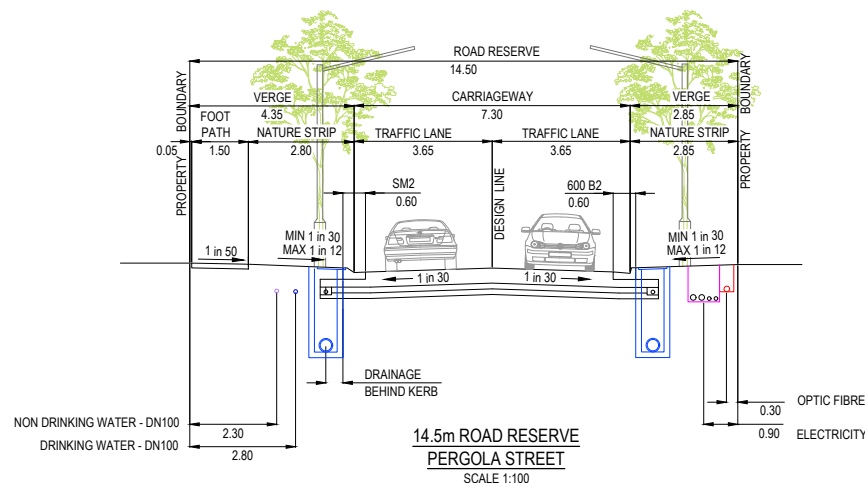
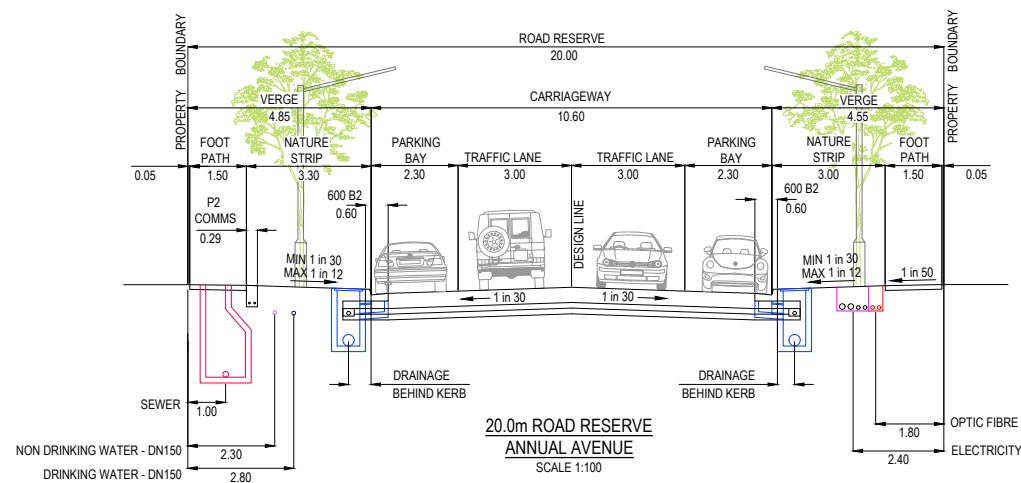
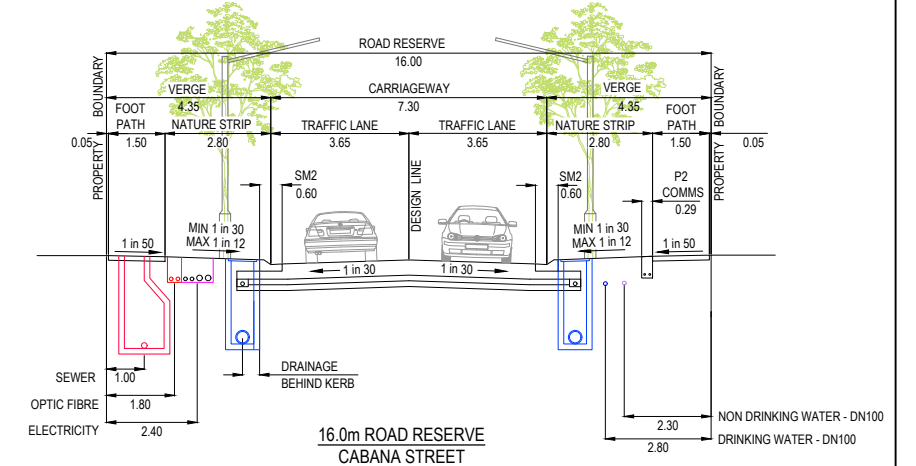
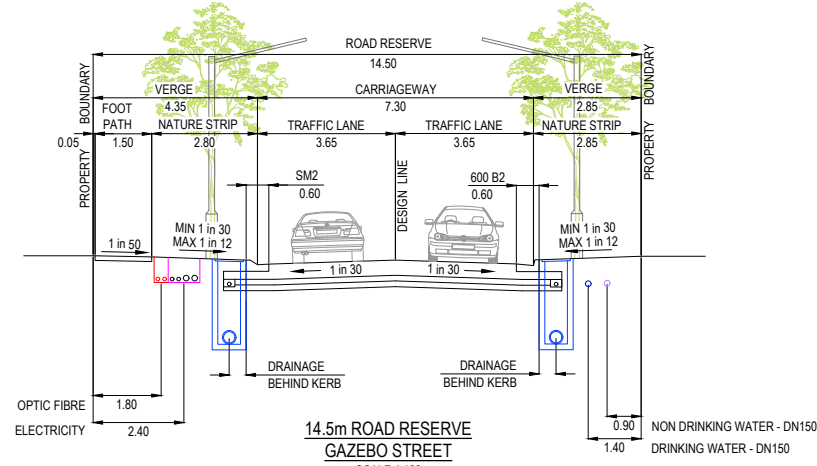
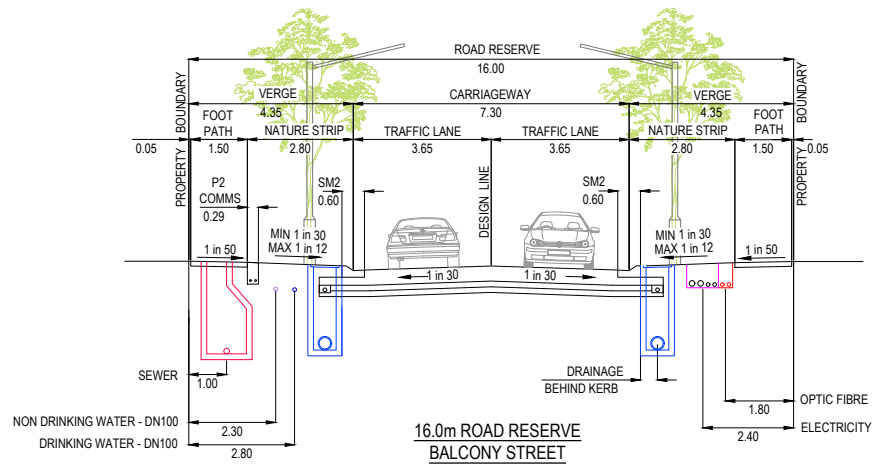
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Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL
Drawing Title
COVER SHEET

Sheet 01 of 43

Scale
1:5000 @ A1

Project Ref 1701814
Stage No 03
Drawing No 001
Rev C



**ISSUED FOR
CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
B	BIENNIAL ROAD TYPICAL SECTION REMOVED	26.03.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

Designed G.HASAN
Date 17.07.2023
Drawn M.F. JAURIGUE
Checked N.MARTENS
Date 07.08.2024
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Reg. No. PS0008272
Date 07.08.2024
PS Number PS915535H

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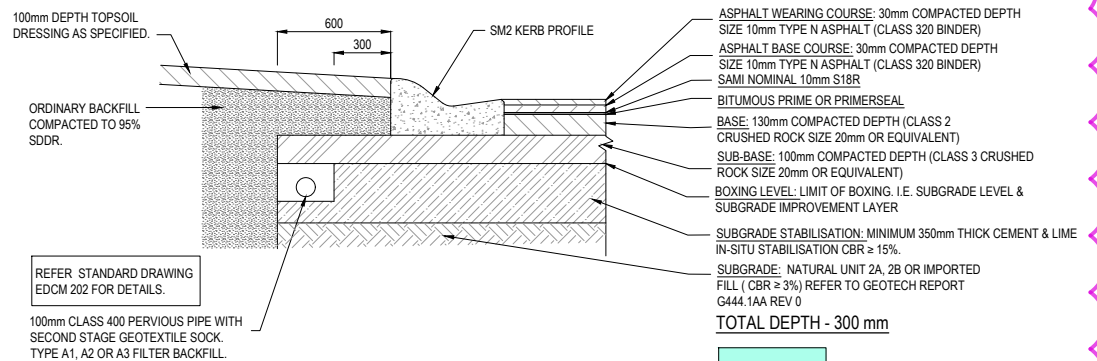
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STAGE 3
CARDINIA SHIRE COUNCIL
Drawing Title
TYPICAL ROAD CROSS SECTIONS

Sheet 02 of 43

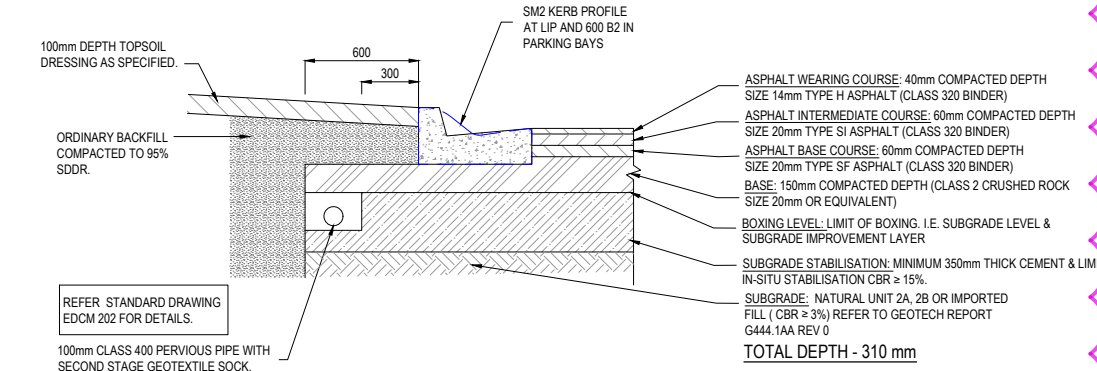
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Project Ref	Stage No	Drawing No	Rev
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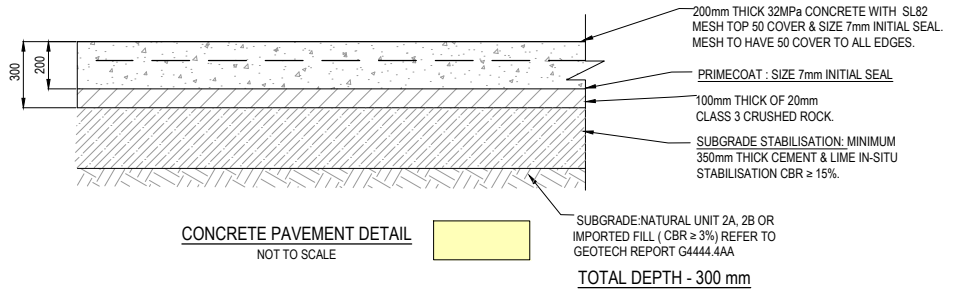
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PAVEMENT COMPOSITION (DTL $\leq 1.8 \times 10^5$ DESAs)
PAVEMENT TYPE 2
BALCONY STREET, CABANA STREET, PERGOLA STREET,
GAZEBO ROAD & BIENNIAL ROAD

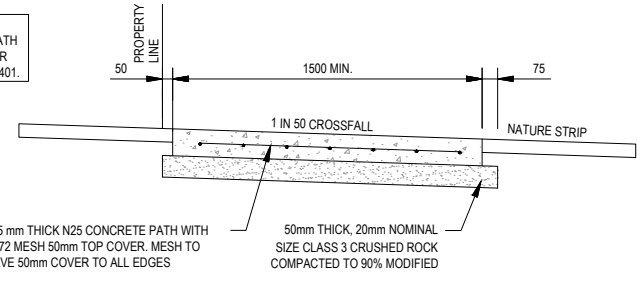


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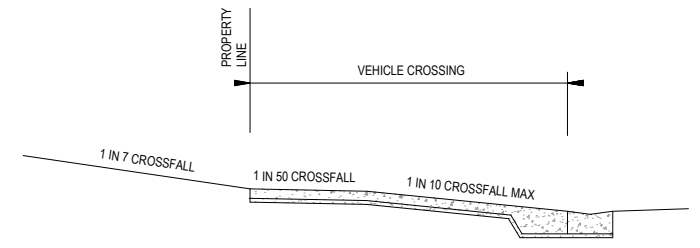


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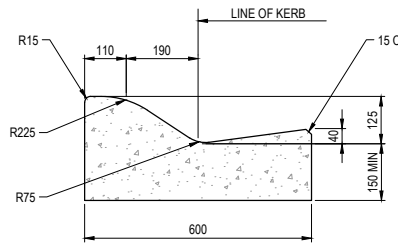
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FOOTPATHS AND SHARED PATH
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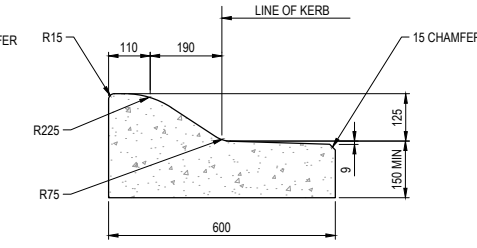
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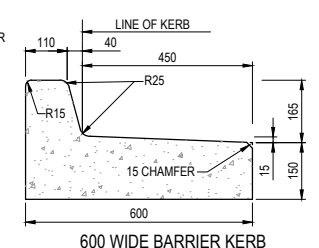
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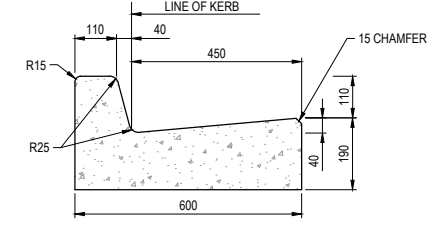
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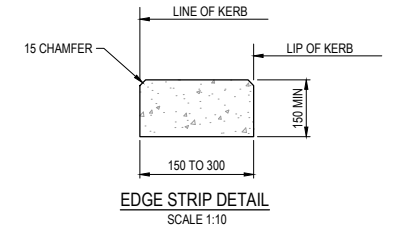
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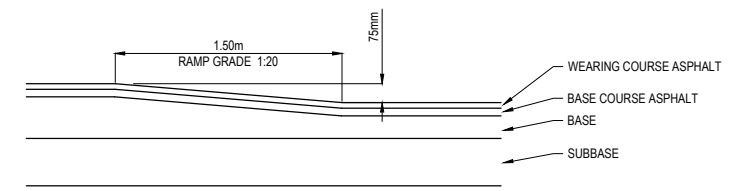
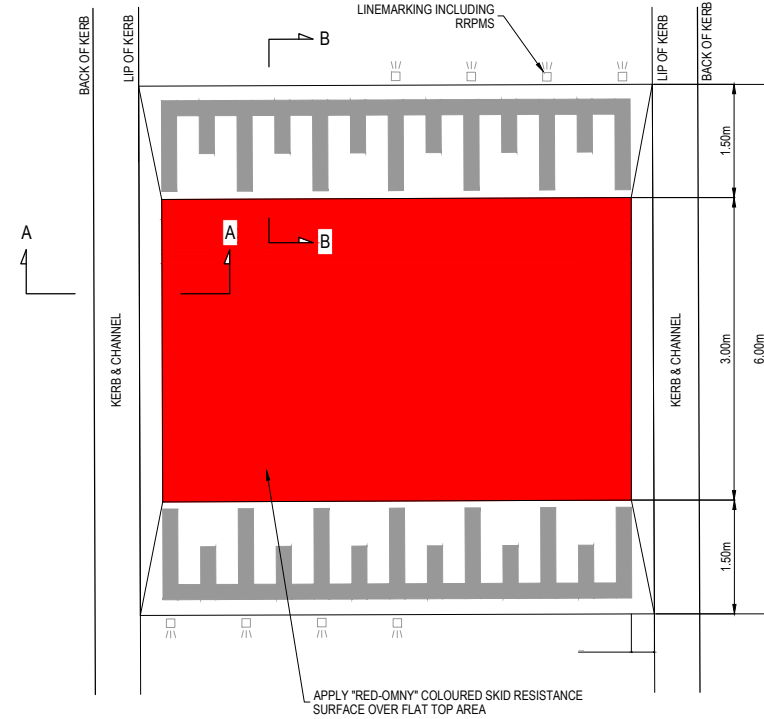
600 WIDE BARRIER KERB
(600 B3) DETAIL
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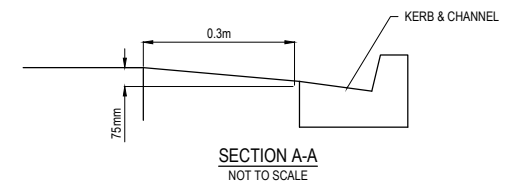
600 WIDE BARRIER KERB (600 B2) DETAIL
SCALE 1:10



EDGE STRIP DETAIL
SCALE 1:10



SECTION B-B
NOT TO SCALE



SECTION A-A
NOT TO SCALE
SETOUT DETAIL FOR SPEED HUMP
(REFER TO CASEY COUNCIL DRG. R4803)
NOT TO SCALE

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
B	PAVEMENT DEPTH UPDATED	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

DESIGNED	DATE	DRAWN	CHECKED	APPROVED
G.HASAN	17.07.2023	M.F. JAURIGUE	N.MARTENS	N.MARTENS

PS NUMBER	PS DATE
PS915535H	07.08.2024

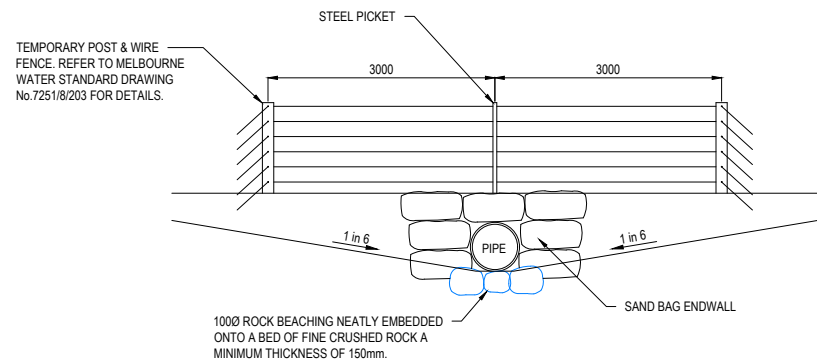
Designed G.HASAN
Date 17.07.2023
Drawn M.F. JAURIGUE
Checked N.MARTENS
Date 07.08.2024
Approved N.MARTENS
Reg. No. PS9008272
Date 07.08.2024
PS Number PS915535H

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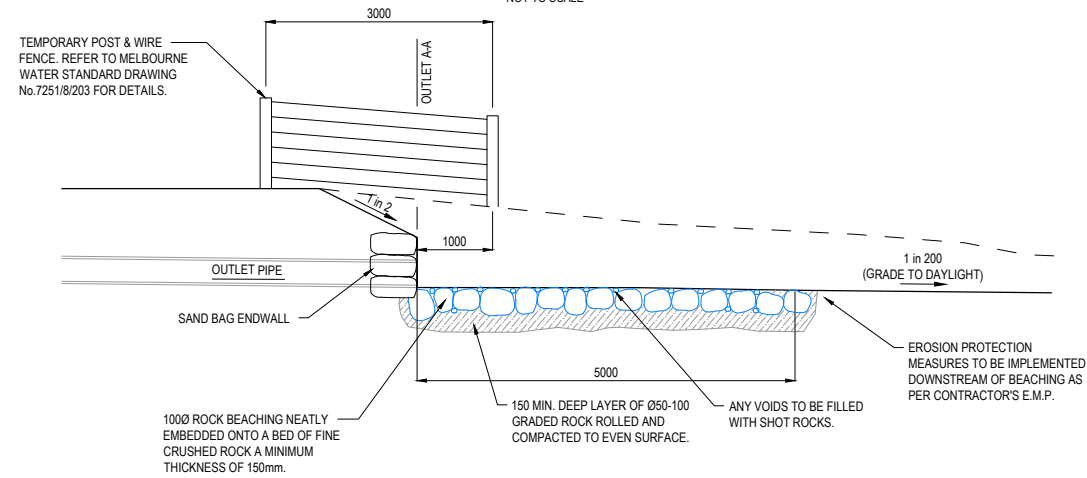
Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

Drawing Title
PAVEMENT MAKEUP & GENERAL DETAILS

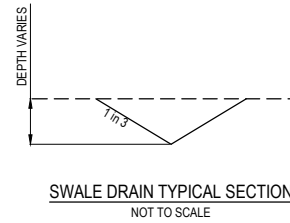
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Stage No	03
Drawing No	003
Rev	B



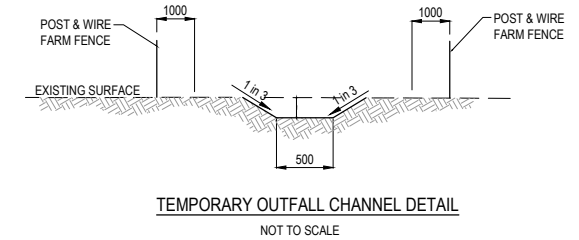
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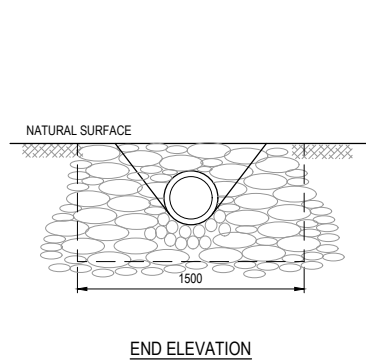
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TEMPORARY OUTLET WITH SANBAG ENDWALL



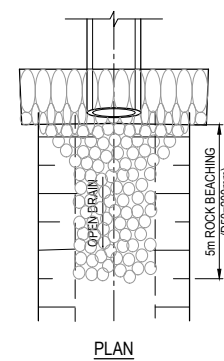
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TEMPORARY OUTFALL CHANNEL DETAIL
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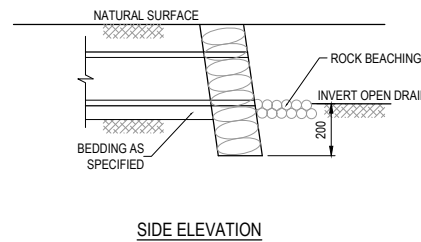


END ELEVATION

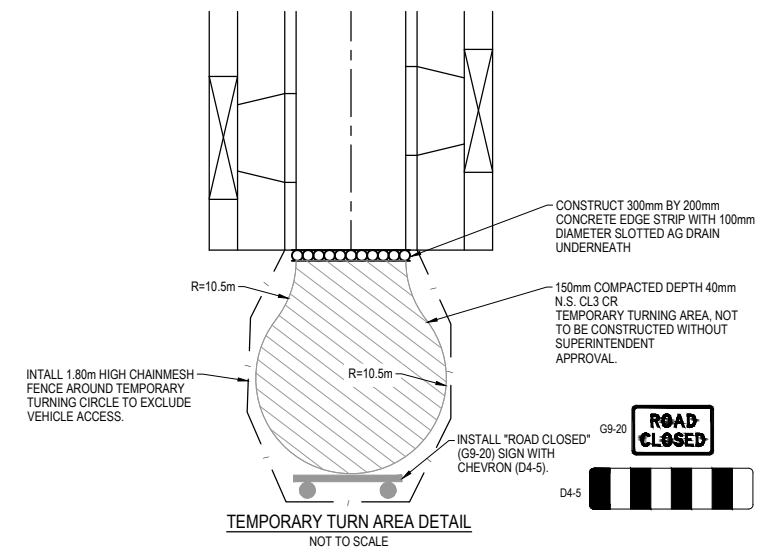


PLAN

SANDBAG ENDWALL DETAIL
NOT TO SCALE



SIDE ELEVATION



TEMPORARY TURN AREA DETAIL
NOT TO SCALE

ISSUED FOR CONSTRUCTION

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A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

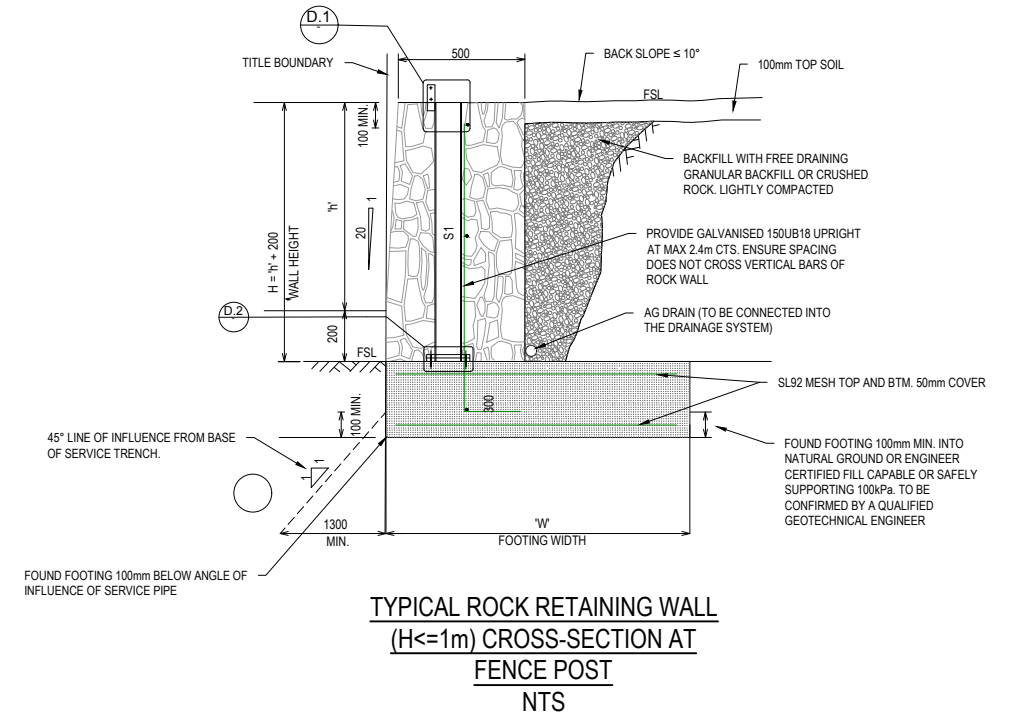
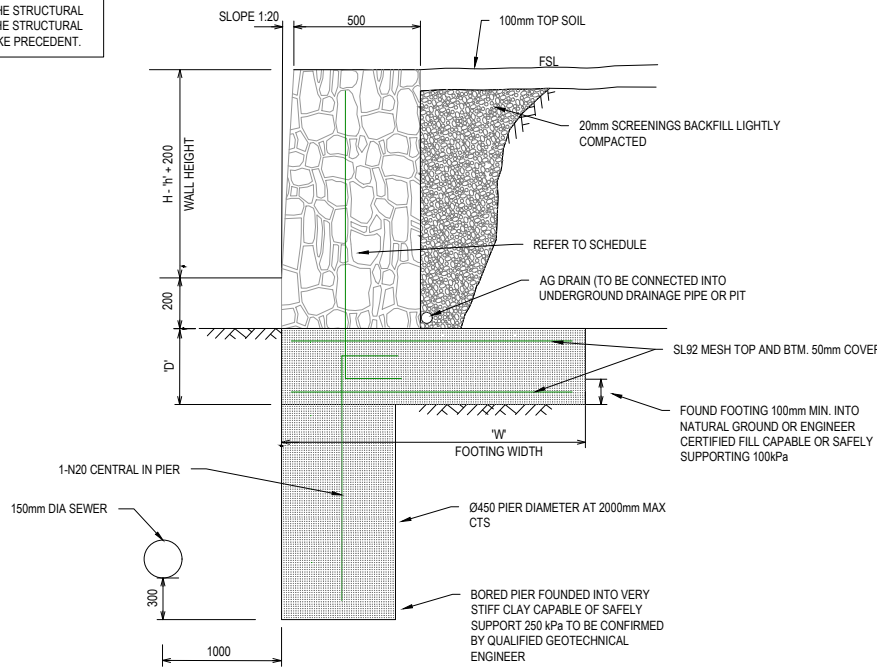
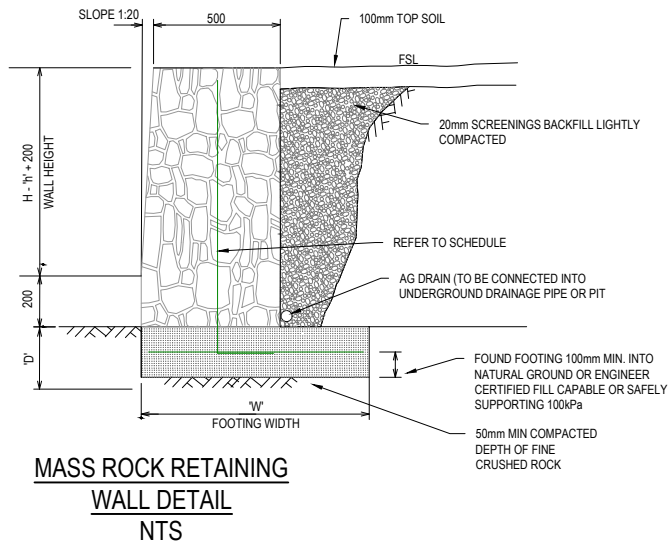
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Date 17.07.2023
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Date 07.08.2024
Approved N.MARTENS
Reg. No. PS0006272
Date 07.08.2024
PS Number PS915535H

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Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL
Drawing Title
DRAINAGE AND SWALE DETAILS

Sheet	04 of 43
Scale	AS SHOWN
Project Ref	1701814
Stage No	03
Drawing No	004
Rev	A

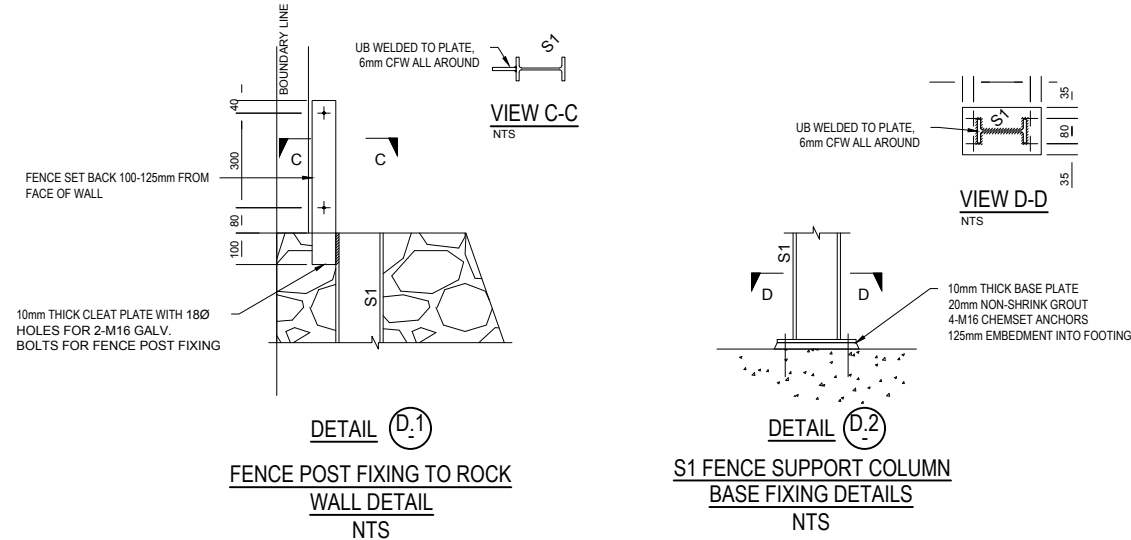
REFER TO RETAINING WALL STRUCTURAL DRAWINGS, DWG 3734 FOR FURTHER INFORMATION. IF ANY DISCREPANCY BETWEEN THIS DRAWING AND THE STRUCTURAL DESIGN, THEN THE STRUCTURAL DESIGN WILL TAKE PRECEDENT.



MASS ROCK RETAINING WALL SCHEDULE			
MAX WALL HEIGHT-'h'(mm)	FOOTING DEPTH-'D'(mm)	FOOTING WIDTH-'W'(mm)	REINFORCEMENT SCHEDULE (GALV.)
0-500	200	900	N12-600 VERT. CENTRAL, N12-400 HORIZ. CENTRAL, 400 LAP WHERE NECESSARY
501-1000	200	1300	N12-600 VERT. CENTRAL, N12-400 HORIZ. CENTRAL, 400 LAP WHERE NECESSARY

MASS ROCK RETAINING WALL SCHEDULE			
MAX WALL HEIGHT-'h'(mm)	FOOTING DEPTH-'D'(mm)	FOOTING WIDTH-'W'(mm)	REINFORCEMENT SCHEDULE (GALV.)
0-500	300	1200	N12-600 VERT. CENTRAL, N12-400 HORIZ. CENTRAL, 400 LAP WHERE NECESSARY
501-1000	300	1500	N12-600 VERT. CENTRAL, N12-400 HORIZ. CENTRAL, 400 LAP WHERE NECESSARY

- RETAINING WALL NOTE R.1
- WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING WALL.
- FOOTING NOTE F.2
- TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STILL CLAY OR WEATHERED ROCK. ALL EXCAVATIONS SHALL HAVE FOUNDED DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED. FOOTING EXCAVATIONS WHICH ARE DEEPEEN TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.
 - ALL EXCAVATION FOUNDED SURFACES SHALL BE LEVEL (NOT INCLINED) CLEAN CUT & FREE OF MUD OR WATER.
 - ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.
 - FOOTINGS SHALL BE FOUNDED IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF 150kPa.



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

Designed G.HASAN 17.07.2023
 Date
 Drawn M.F. JAURIGUE
 Date
 Checked N.MARTENS 07.08.2024
 Date
 Approved N.MARTENS 07.08.2024
 Reg. No. PS0006272
 Date
 PS Number PS915535H

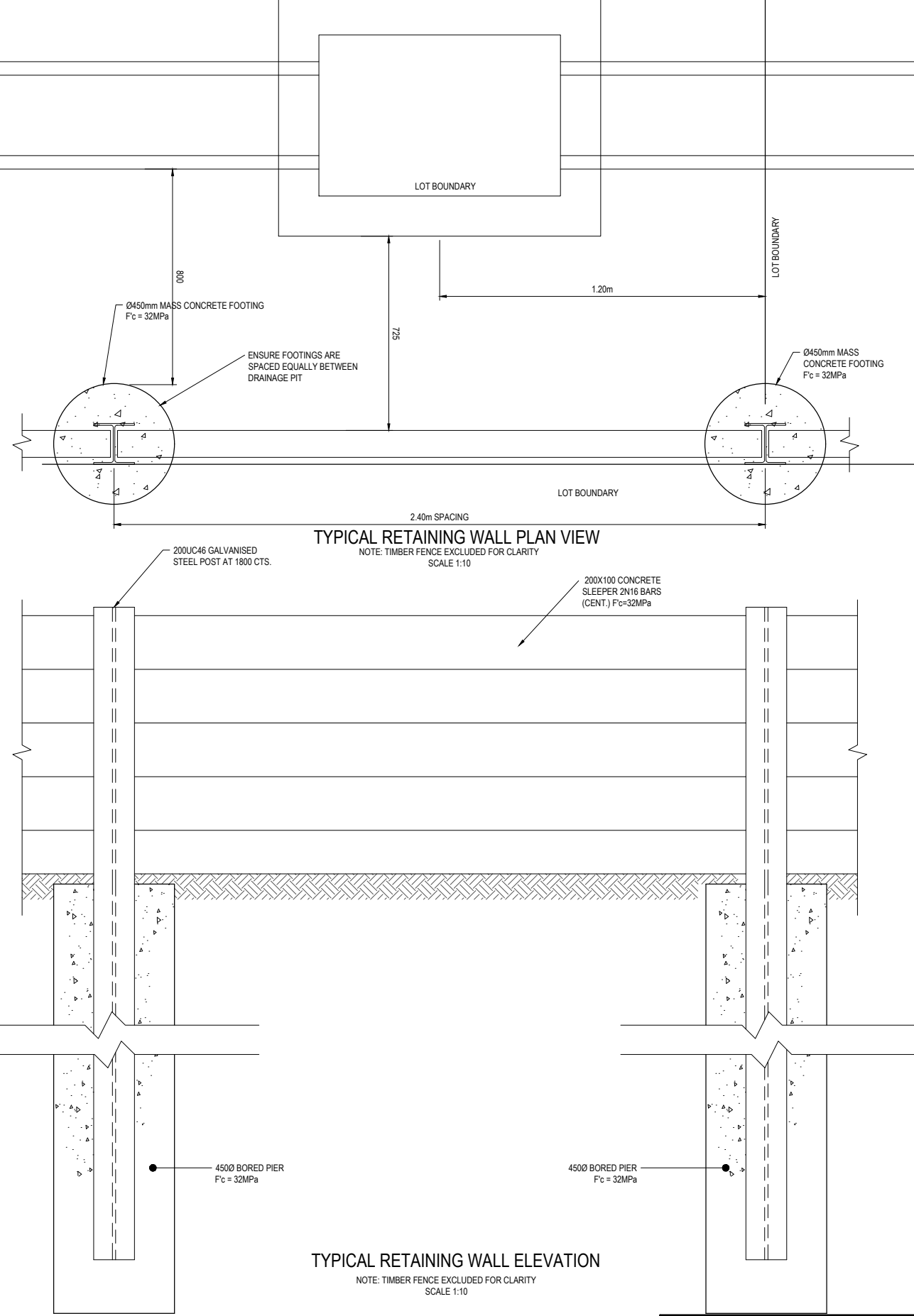
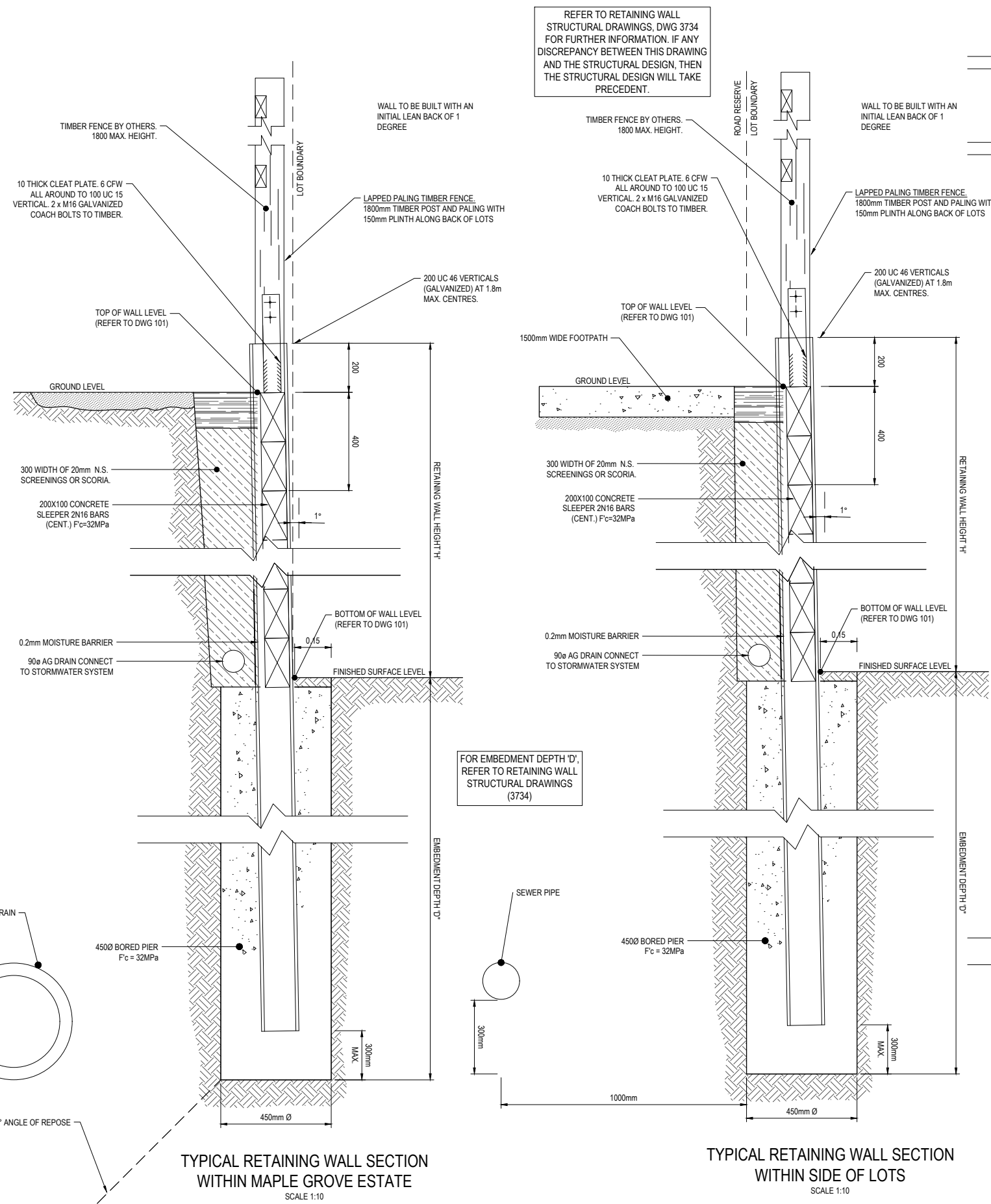
BW Beveridge Williams
 Development & Infrastructure Consultants
 1 Glenferrie Road Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details
 MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL

Drawing Title
 RETAINING WALL DETAILS
 (SHEET 1 OF 2)

Sheet 05 of 43
 Scale AS SHOWN

Project Ref 1701814
 Stage No 03
 Drawing No 005
 Rev A



ISSUED FOR CONSTRUCTION

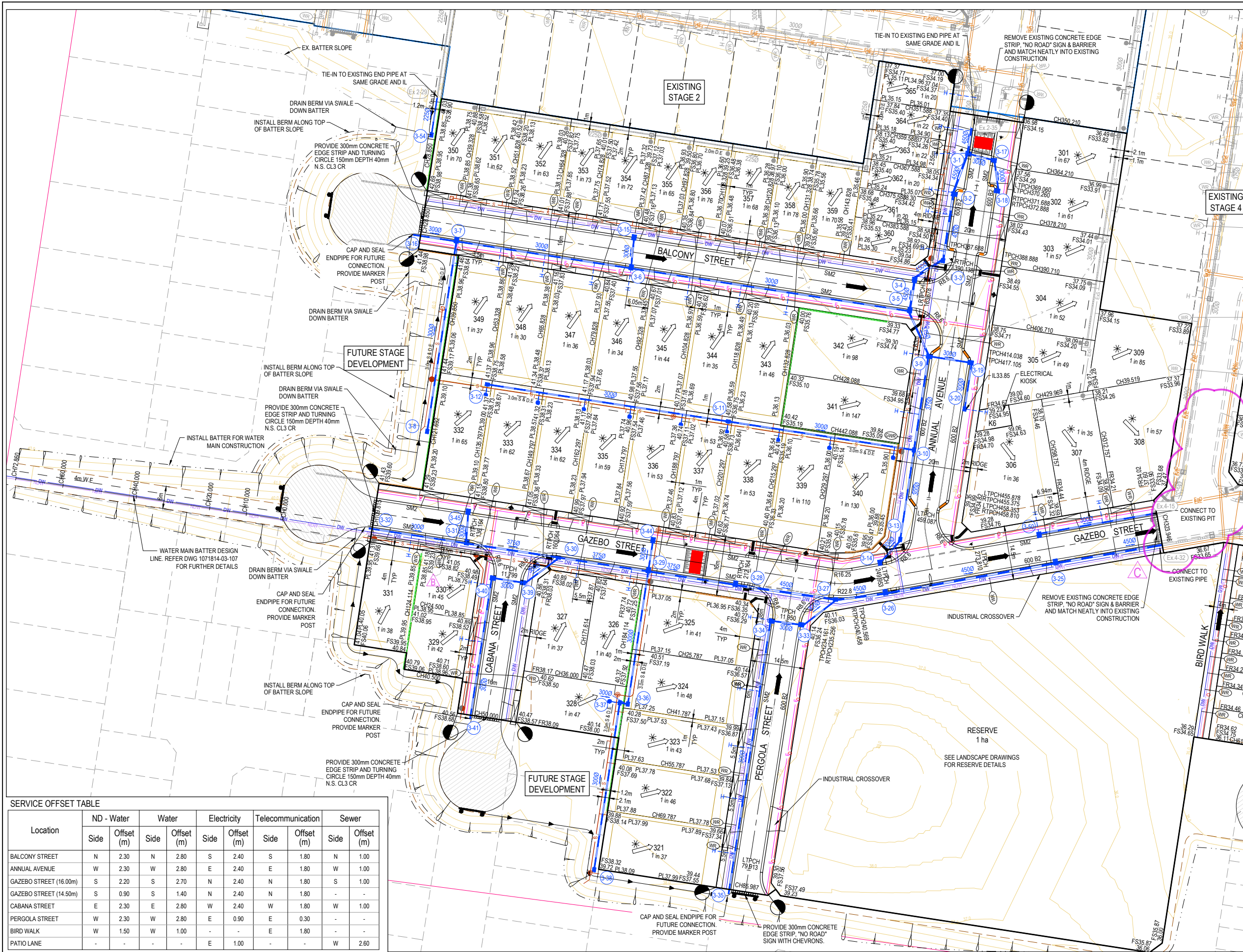
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REV	DESCRIPTION	DATE	DRN	APP	REV
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM	

DESIGNED	G.HASAN	17.07.2023
DRAWN	M.F. JAURIGUE	
CHECKED	N.MARTENS	07.08.2024
APPROVED	N.MARTENS	07.08.2024
REG. NO.	PS0006272	
PS NUMBER	PS915535H	

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Development & Infrastructure Consultants
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Project Details	MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
Drawing Title	RETAINING WALL DETAILS (SHEET 2 OF 2)

Sheet	06 of 43
Scale	AS SHOWN
Project Ref	1701814
Stage No	03
Drawing No	006
Rev	A



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING MELBOURNE WATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- CONCRETE SLEEPER RETAINING WALL
- MASS ROCK RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- 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
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)
- KERB TRANSITION

FOR CONTINUATION REFER DRG. 1701814-03-011

SERVICE OFFSET TABLE

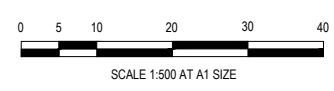
Location	ND - Water		Water		Electricity		Telecommunication		Sewer	
	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
BALCONY STREET	N	2.30	N	2.80	S	2.40	S	1.80	N	1.00
ANNUAL AVENUE	W	2.30	W	2.80	E	2.40	E	1.80	W	1.00
GAZEBO STREET (16.00m)	S	2.20	S	2.70	N	2.40	N	1.80	S	1.00
GAZEBO STREET (14.50m)	S	0.90	S	1.40	N	2.40	N	1.80	-	-
CABANA STREET	E	2.30	E	2.80	W	2.40	W	1.80	W	1.00
PERGOLA STREET	W	2.30	W	2.80	E	0.90	E	0.30	-	-
BIRD WALK	W	1.50	W	1.00	-	-	E	1.80	-	-
PATIO LANE	-	-	-	-	E	1.00	-	-	W	2.60

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

WARNING
BEWARE OF UNDERGROUND SERVICES
 The locations of underground services are approximate only and their exact position should be proven on site.
 No guarantee is given that all existing services are shown.
 Locate all underground services before commencement of works
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ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
C	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
B	LOT 330 CONDUIT UPDATED	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

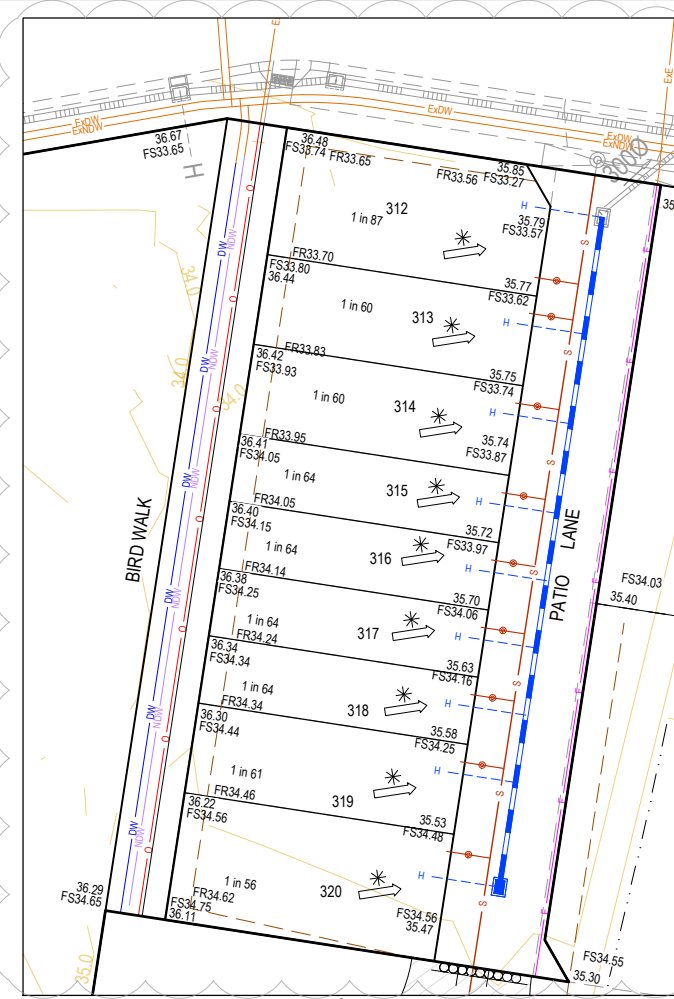
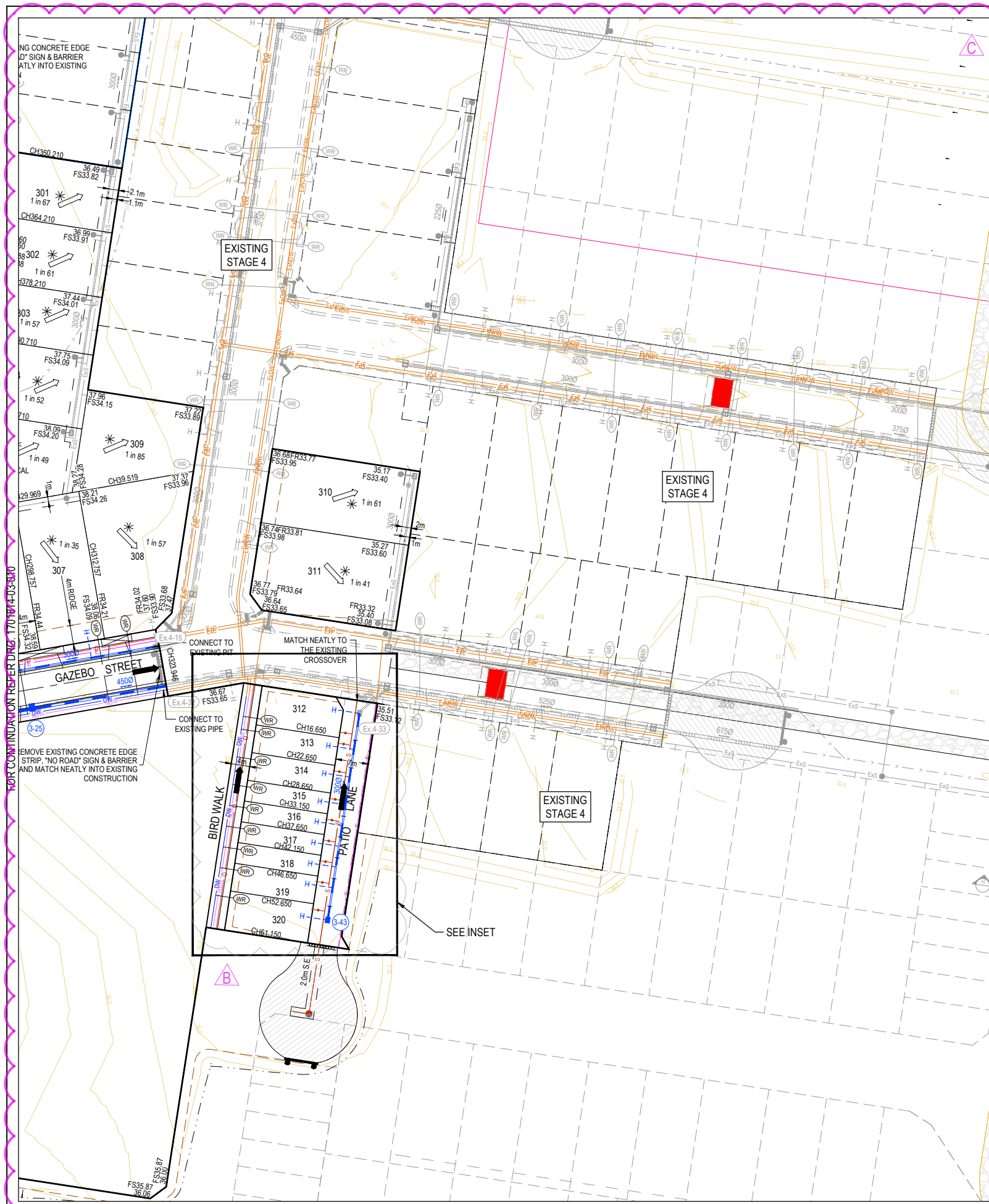


Designed: G.HASAN 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS P0000672
 Date: 07.08.2024
 PS Number: PPS15535H

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Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
 Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)

Sheet 07 of 43
 Scale: 1:500 @ A1
 Project Ref: 1701814 Stage No: 03 Drawing No: 010 Rev: C



INSET
SCALE 1:250

LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING MELBOURNE WATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- CONCRETE SLEEPER RETAINING WALL
- MASS ROCK RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- 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
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)
- KERB TRANSITION

SERVICE OFFSET TABLE

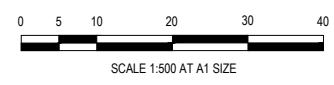
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	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
BALCONY STREET	N	2.30	N	2.80	S	2.40	S	1.80	N	1.00
ANNUAL AVENUE	W	2.30	W	2.80	E	2.40	E	1.80	W	1.00
GAZEBO STREET (16.00m)	S	2.20	S	2.70	N	2.40	N	1.80	S	1.00
GAZEBO STREET (14.50m)	S	0.90	S	1.40	N	2.40	N	1.80	-	-
CABANA STREET	E	2.30	E	2.80	W	2.40	W	1.80	W	1.00
PERGOLA STREET	W	2.30	W	2.80	E	0.90	E	0.30	-	-
BIRD WALK	W	1.50	W	1.00	-	-	E	1.80	-	-
PATIO LANE	-	-	-	-	E	1.00	-	-	W	2.60

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

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
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ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
C	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
B	LOT MIX UPDATED	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No.: PS0008272
Date: 07.08.2024
PS Number: PS915535H

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Development & Infrastructure Consultants
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Malvern VIC 3144
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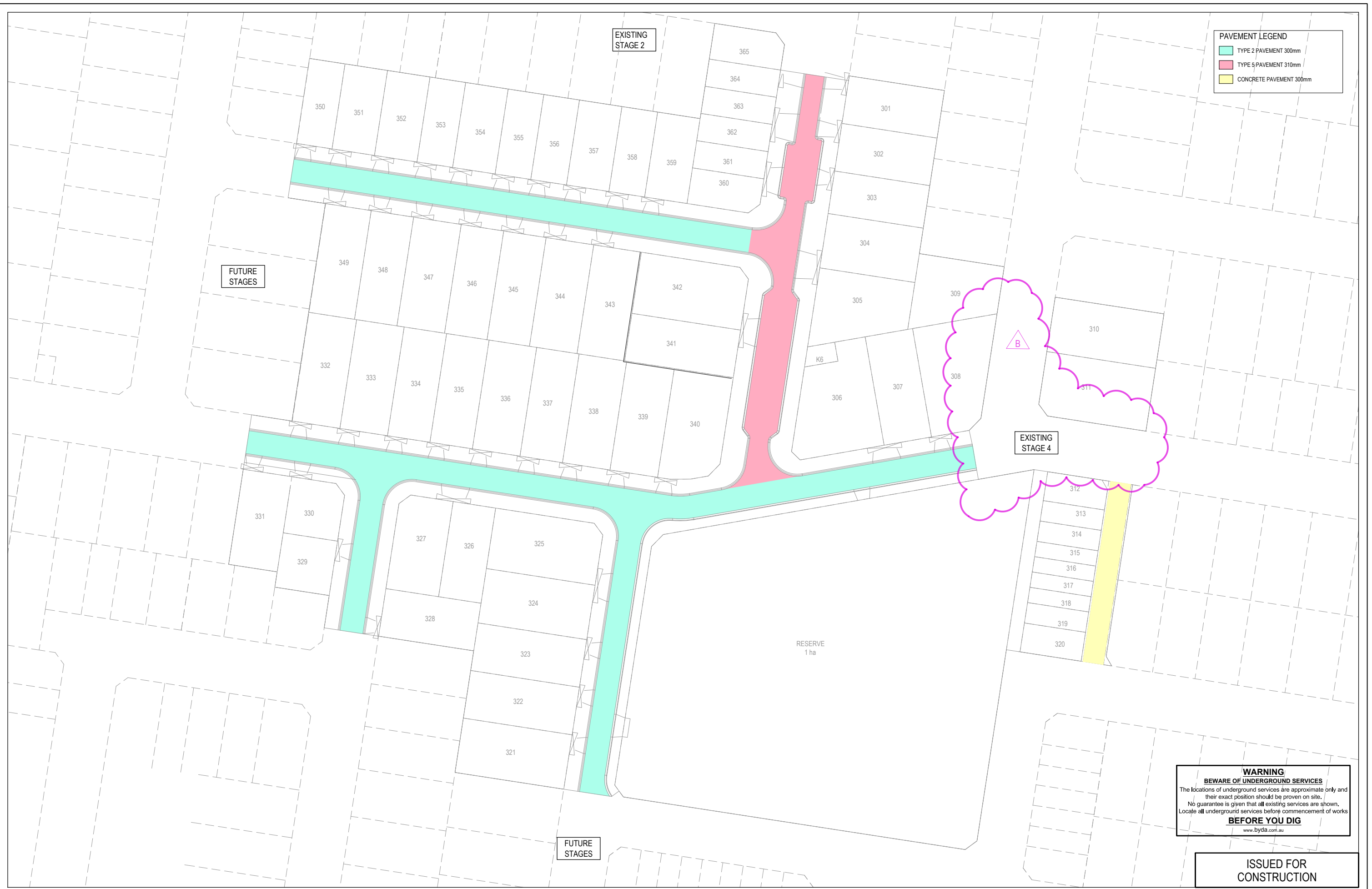
Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

Drawing Title: LAYOUT PLAN
(SHEET 2 OF 2)

Sheet 08 of 43

Scale: 1:500 @ A1

Project Ref: 1701814
Stage No: 03
Drawing No: 011
Rev: C



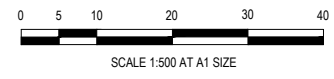
PAVEMENT LEGEND	
	TYPE 2 PAVEMENT 300mm
	TYPE 5 PAVEMENT 310mm
	CONCRETE PAVEMENT 300mm

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REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
B	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed G.HASAN
 Date 17.07.2023
 Drawn M.F. JAURIGUE
 Checked N.MARTENS
 Date 07.08.2024
 Approved N.MARTENS
 Reg. No. PS0008272
 Date 07.08.2024
 PS Number PSS15535H

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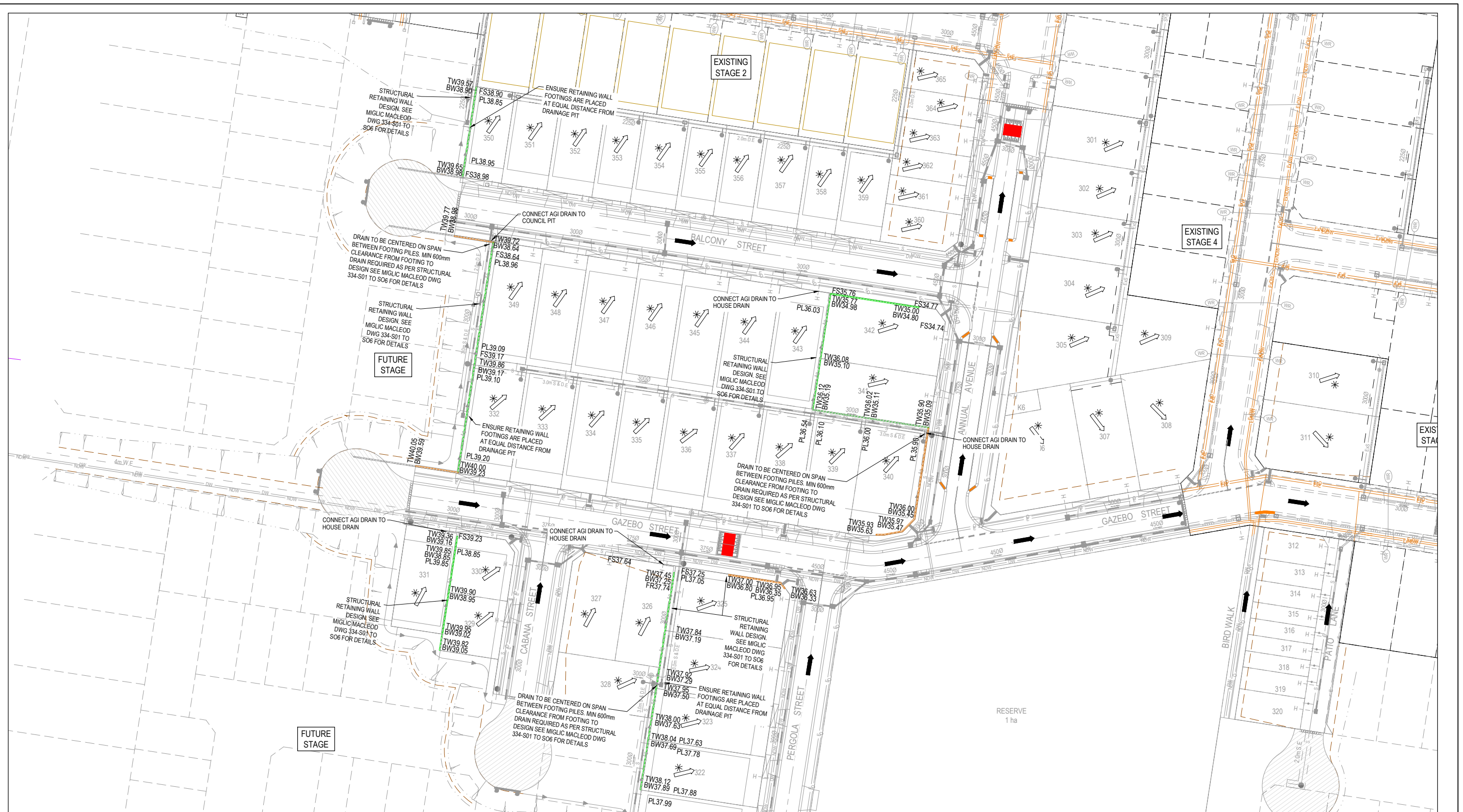
Project Details
 MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL
 Drawing Title
 ROAD PAVEMENT PLAN

Sheet 09 of 43

Scale
 1:500 @ A1

Project Ref	Stage No	Drawing No	Rev
1701814	03	020	B





LEGEND - LAYOUT PLAN

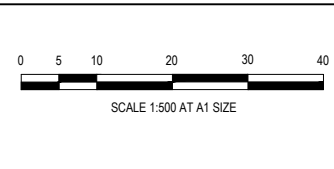
STORMWATER DRAIN, PIT & PROPERTY INLET	EXISTING MELBOURNE WATER DRAIN	EXISTING SURFACE LEVEL	DIRECTION OF FALL
MELBOURNE WATER DRAIN & PIT	EXISTING ELECTRICITY (UNDERGROUND)	FINISHED BUILDING LINE LEVEL	OVERLAND FLOW
SWALE DRAIN	EXISTING ELECTRICITY (OVERHEAD)	FINISHED RIDGE LINE LEVEL	ALLOTMENT TO BE GRADED EVENLY IN
AGI DRAINS	EXISTING GAS	TOP OF RETAINING WALL	DIRECTION OF FALL TO LEVELS INDICATED
HOUSE DRAIN	EXISTING OPTIC FIBRE	BOTTOM OF RETAINING WALL	CONCRETE EDGE STRIP WITH SUBSOIL DRAIN.
SERVICE CONDUITS	EXISTING TELECOMMUNICATIONS	PAD LEVEL	"NO ROAD" SIGN & BARRIER
ELECTRICITY (UNDERGROUND)	EXISTING WATER	RIDGE LINE	LIMIT OF WORKS
ELECTRICITY (OVERHEAD)	EXISTING RECYCLED WATER	MASS ROCK RETAINING WALL	EXISTING TREE TO BE REMOVED
OPTIC FIBRE	EXISTING SEWER	CONCRETE SLEEPER RETAINING WALL	PERMANENT SURVEY MARK AS PER DWG.CSC-004
TELECOMMUNICATIONS	EXISTING HOUSE DRAIN	PAVEMENT TREATMENT	TEMPORARY BENCH MARK
WATER	EXISTING SWALE DRAIN	STRUCTURAL FILL > 200mm DEEP	PROPOSED DRIVEWAY
RECYCLED WATER	TACTILE PAVERS (INDICATIVE ONLY)	EX. STRUCTURAL FILL > 200mm DEEP	TREE PROTECTION ZONE (TPZ)

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A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM	
REV	DESCRIPTION	DATE	DRN	APP.	REV

DESCRIPTION	DATE	DRN	APP.
-------------	------	-----	------



Designed: G.HASAN 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS P8000272
 Date: 07.08.2024
 PS Number: PSS15535H

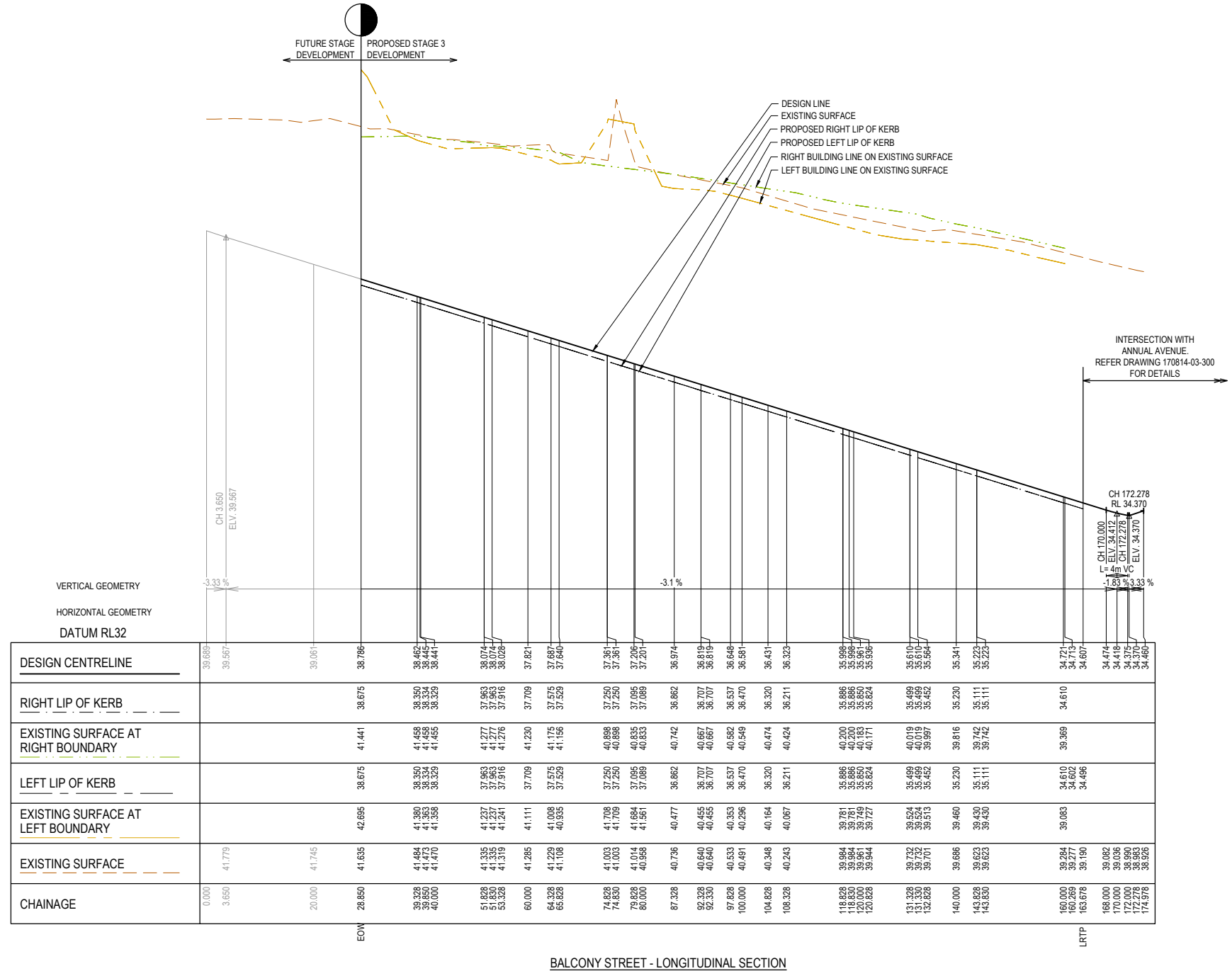
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Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
 Drawing Title: RETAINING WALL PLAN

Sheet 10 of 43
 Scale: 1:500 @ A1
 Project Ref: 1701814 Stage No: 03 Drawing No: 030 Rev: A

Q:\me\jobs\Jobs Data\1701814 - 10 Carly Lane, Pakenham\Eng\Stage 3\Drawings\1701814-03-030-RTW.dwg

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB

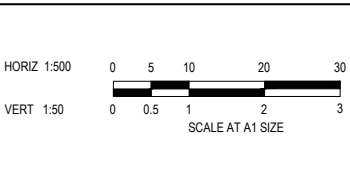


BALCONY STREET - LONGITUDINAL SECTION

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

DATE	DRN.	APP.



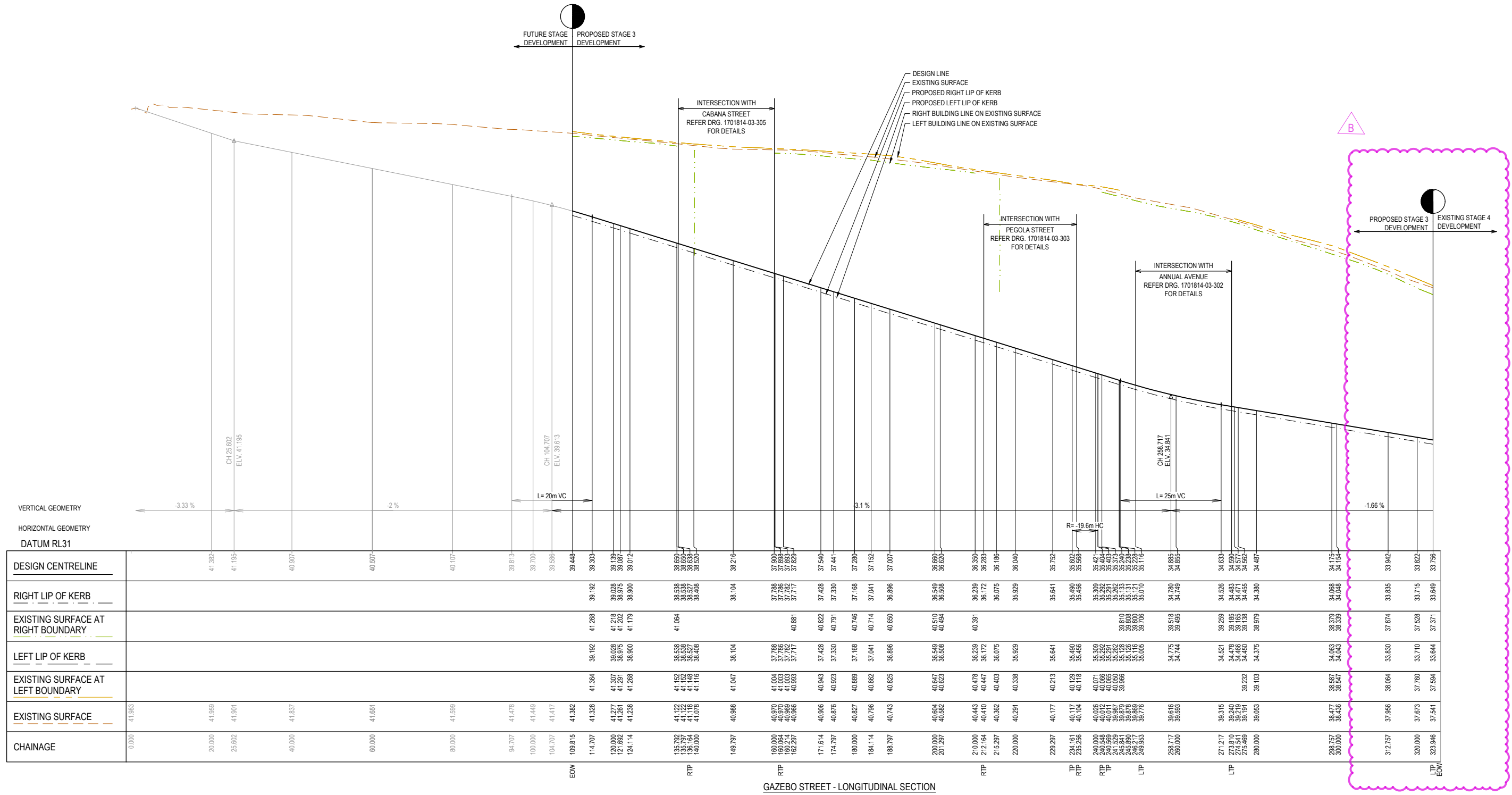
Designed: G.HASAN, 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS, 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS, PS0008372
 Reg. No.: PS0008372
 Date: 07.08.2024
 PS Number: PSS15535H

BW Beveridge Williams
 Development & Infrastructure Consultants
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 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE, STAGE 3, CARDINIA SHIRE COUNCIL
 Drawing Title: ROAD LONGITUDINAL SECTIONS, BALCONY STREET

Sheet 11 of 43	Scale 1:500 H 1:50 V @ A1
Project Ref 1701814	Stage No 03
Drawing No 100	Rev A

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB

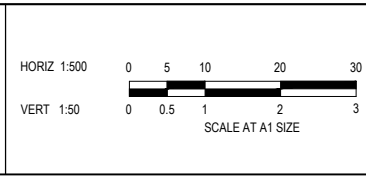


CHAINAGE	EXISTING SURFACE	EXISTING SURFACE AT LEFT BOUNDARY	LEFT LIP OF KERB	EXISTING SURFACE AT RIGHT BOUNDARY	RIGHT LIP OF KERB	DESIGN CENTRELINE
0.000	41.983					41.382
20.000	41.959					41.195
25.602	41.901					40.907
40.000	41.837					40.507
60.000	41.651					40.107
80.000	41.509					39.813
94.707	41.478					39.700
100.000	41.449					39.596
104.707	41.417					39.448
109.815	41.382					39.303
114.707	41.328	41.364	39.192	41.288	39.192	39.192
120.000	41.277	41.307	39.028	41.218	39.028	39.028
121.662	41.261	41.291	38.975	41.202	38.975	39.087
124.114	41.238	41.268	38.900	41.179	38.900	39.012
135.792	41.122	41.152	38.538	41.064	38.538	38.654
136.797	41.112	41.142	38.529	41.054	38.529	38.654
140.000	41.078	41.116	38.409	41.003	38.409	38.520
149.797	40.988	41.047	38.104	40.881	38.104	38.216
160.000	40.970	41.064	37.798	40.822	37.798	37.908
160.214	40.969	41.063	37.782	40.811	37.782	37.908
162.297	40.966	40.993	37.717	40.881	37.717	37.825
171.614	40.906	40.943	37.428	40.822	37.428	37.540
174.797	40.876	40.923	37.330	40.791	37.330	37.441
180.000	40.827	40.889	37.168	40.746	37.168	37.280
184.114	40.796	40.862	37.041	40.714	37.041	37.152
188.797	40.743	40.825	36.866	40.650	36.866	37.007
200.000	40.604	40.647	36.549	40.510	36.549	36.660
201.297	40.582	40.623	36.508	40.484	36.508	36.620
210.000	40.443	40.478	36.239	40.391	36.239	36.350
212.164	40.410	40.447	36.172	40.362	36.172	36.283
215.297	40.362	40.403	36.075	40.307	36.075	36.186
220.000	40.291	40.338	35.929	40.240	35.929	36.040
229.297	40.177	40.213	35.641	40.177	35.641	35.752
234.161	40.117	40.150	35.460	40.117	35.460	35.600
235.256	40.104	40.118	35.456	40.118	35.456	35.566
240.000	40.026	40.071	35.309	39.810	35.309	35.421
240.548	40.012	40.066	35.292	39.804	35.292	35.404
241.529	39.997	40.050	35.262	39.773	35.262	35.373
241.529	39.997	40.050	35.262	39.773	35.262	35.373
245.841	39.879	39.879	35.128	39.810	35.128	35.241
245.997	39.878	39.878	35.126	39.808	35.126	35.238
249.563	39.776	39.776	35.003	39.706	35.003	35.116
268.717	39.616	34.775	34.744	39.518	34.780	34.885
260.000	39.593	34.744	34.749	39.495	34.749	34.855
271.217	39.315	34.521	34.521	39.259	34.526	34.633
273.810	39.240	34.478	34.478	39.185	34.483	34.590
274.541	39.219	34.466	34.466	39.165	34.471	34.577
275.469	39.191	39.232	34.450	39.138	34.455	34.562
280.000	39.053	39.103	34.375	38.979	34.380	34.487
288.757	38.477	38.063	34.063	38.379	34.068	34.175
300.000	38.436	38.547	34.043	38.339	34.048	34.154
312.757	37.956	38.064	33.830	37.874	33.835	33.942
320.000	37.673	37.760	33.710	37.528	33.715	33.822
323.946	37.541	37.594	33.644	37.371	33.649	33.756

GAZEBO STREET - LONGITUDINAL SECTION

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
B	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS PS0008272
 Date: 07.08.2024
 PS Number: PSS15535H

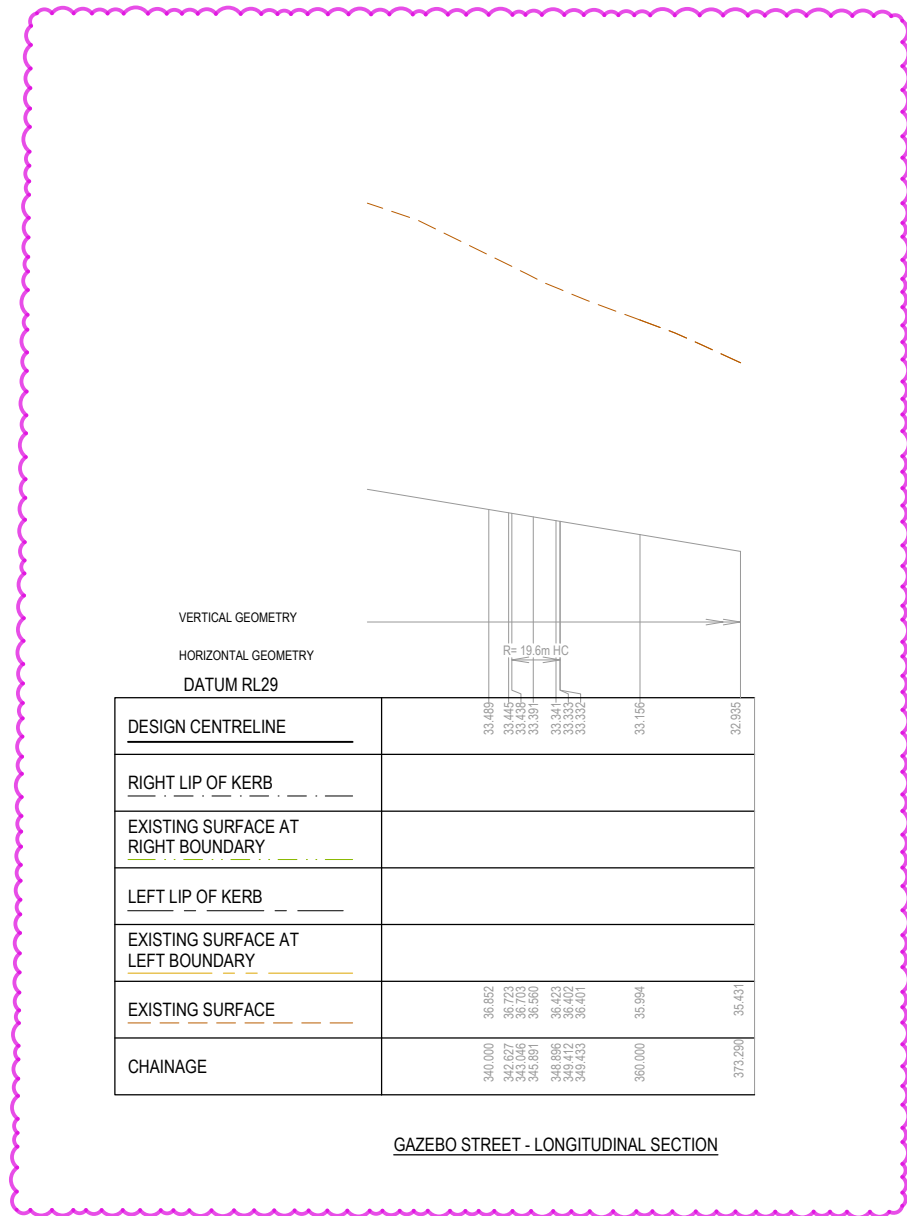
BW Beveridge Williams
 Development & Infrastructure Consultants
 1 Glenferrie Road Malvern VIC 3144 ph: 03 9524 8888 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
 Drawing Title: ROAD LONGITUDINAL SECTIONS GAZEBO STREET (SHEET 1 OF 2)

Sheet 13 of 43	
Scale 1:500 H 1:50 V @ A1	
Project Ref 1701814	Stage No 03
Drawing No 102	Rev B

Q:\m\jobs\Jobs Data\1701814 - 10 Carly Lane, Pakemham, Eng\Stage 3\Drawings\1701814-03-100-RLS.dwg

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



B

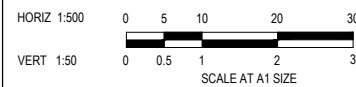
	33.489	33.445	33.438	33.391	33.341	33.333	33.332	33.195	32.995
DESIGN CENTRELINE									
RIGHT LIP OF KERB									
EXISTING SURFACE AT RIGHT BOUNDARY									
LEFT LIP OF KERB									
EXISTING SURFACE AT LEFT BOUNDARY									
EXISTING SURFACE	36.852	36.723	36.703	36.560	36.423	36.402	36.401	35.994	35.431
CHAINAGE	340.000	342.927	343.246	345.891	348.896	349.412	349.433	360.000	373.290

GAZEBO STREET - LONGITUDINAL SECTION

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REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
B	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



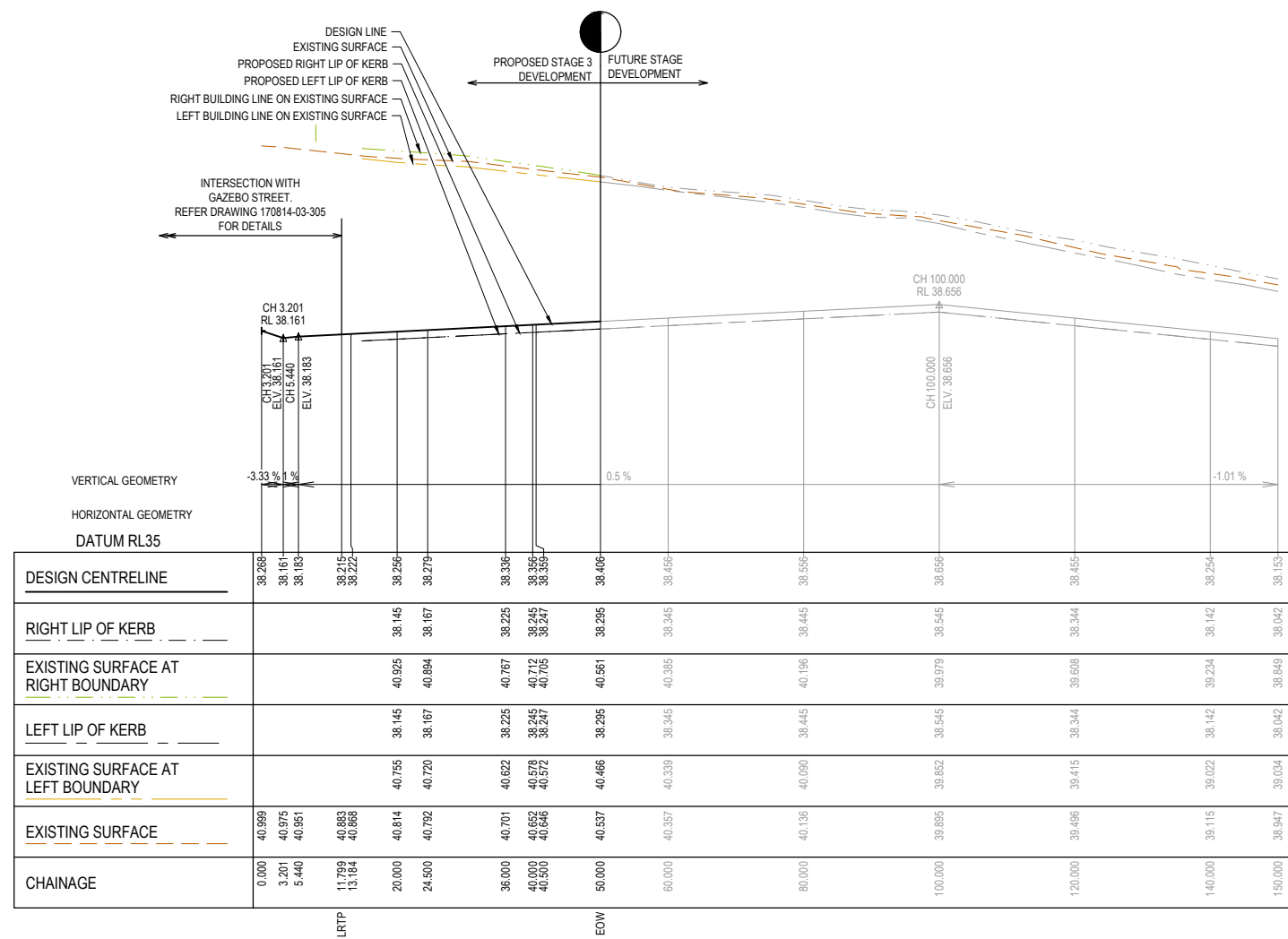
Designed	G.HASAN
Date	17.07.2023
Drawn	M.F. JAURIGUE
Checked	N.MARTENS
Date	07.08.2024
Approved	N.MARTENS
Reg. No.	PS0008272
Date	07.08.2024
PS Number	PS915535H

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

Project Details	MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
Drawing Title	ROAD LONGITUDINAL SECTIONS GAZEBO STREET (SHEET 2 OF 2)

Sheet	14 of 43
Scale	1:500 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	103
Rev	B

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB

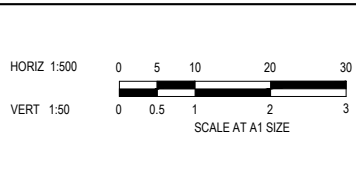


CABANA STREET - LONGITUDINAL SECTION

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

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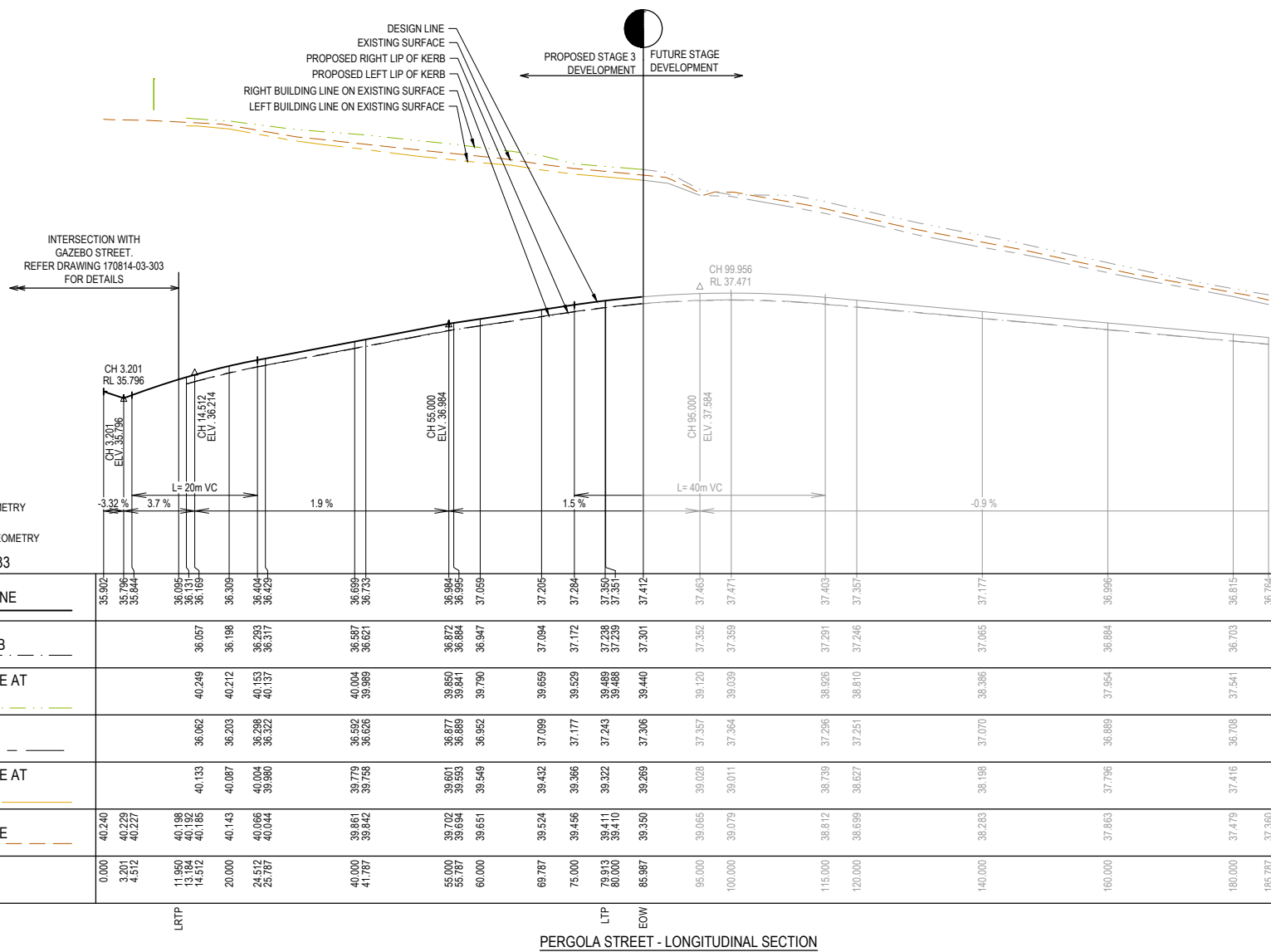
Designed: G.HASAN, Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS, Date: 07.08.2024
 Approved: N.MARTENS, Reg. No. PS0008272, Date: 07.08.2024
 PS Number: PSS15535H

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 www.beveridgewilliams.com.au

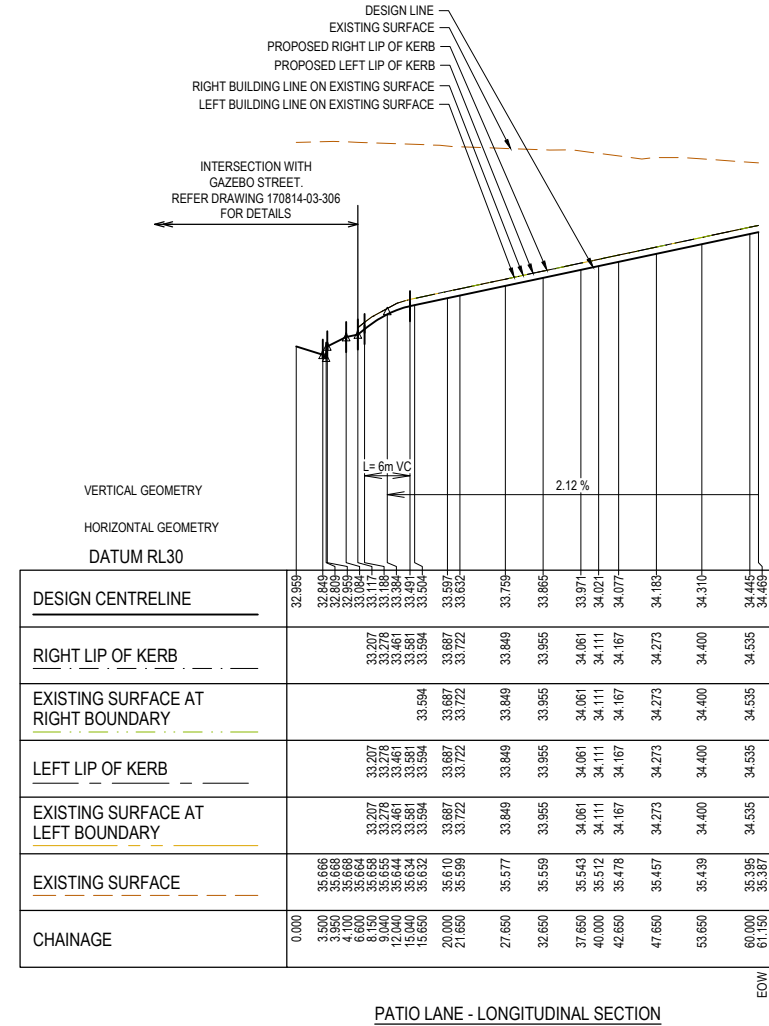
Project Details: MAPLE GROVE ESTATE STAGE 3, CARDINIA SHIRE COUNCIL
 Drawing Title: ROAD LONGITUDINAL SECTIONS, CABANA STREET

Sheet	15 of 43
Scale	1:500 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	104
Rev	A

LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



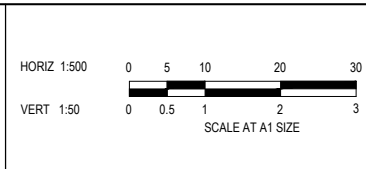
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RIGHT LIP OF KERB				36.057	36.198	36.293	36.317	36.587	36.621	36.872	36.884	36.947	37.094	37.172	37.284	37.351	37.351	37.301	37.352	37.359	37.291	37.246	37.065	36.884	36.703	36.535	34.469
EXISTING SURFACE AT RIGHT BOUNDARY				40.249	40.212	40.153	40.137	40.004	39.989	39.850	39.841	39.790	39.659	39.529	39.432	39.291	39.239	39.239	39.246	39.120	38.926	38.810	38.627	38.386	37.954	37.541	34.535
LEFT LIP OF KERB				36.062	36.203	36.298	36.322	36.592	36.626	36.877	36.889	36.942	37.089	37.177	37.243	37.243	37.206	37.206	37.257	37.257	37.296	37.251	37.070	36.889	36.708	36.535	34.535
EXISTING SURFACE AT LEFT BOUNDARY				40.133	40.087	40.004	39.980	39.779	39.758	39.601	39.593	39.549	39.432	39.322	39.243	39.243	39.239	39.239	39.120	38.926	38.810	38.627	38.386	37.954	37.541	34.535	34.535
EXISTING SURFACE	40.240	40.229	40.227	40.188	40.182	40.185	40.143	40.066	40.044	39.861	39.842	39.651	39.524	39.456	39.411	39.410	39.410	39.350	39.265	39.028	39.011	38.812	38.627	38.386	37.954	37.479	37.360
CHAINAGE	0.000	3.201	4.512	11.950	13.884	14.512	20.000	24.512	25.787	40.000	41.787	55.000	69.787	75.000	79.913	80.000	85.887	95.000	100.000	115.000	120.000	140.000	160.000	180.000	195.787	37.360	



DESIGN CENTRELINE	32.559	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603
RIGHT LIP OF KERB				33.207	33.278	33.381	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461
EXISTING SURFACE AT RIGHT BOUNDARY				33.207	33.278	33.381	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461
LEFT LIP OF KERB				33.207	33.278	33.381	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461
EXISTING SURFACE AT LEFT BOUNDARY				33.207	33.278	33.381	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461	33.461
EXISTING SURFACE	32.559	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603	32.603
CHAINAGE	0.000	3.500	4.100	8.150	9.040	12.040	15.650	20.000	21.650	27.650	32.650	37.650	40.000	42.650	47.650	53.650	60.000	61.150	61.150	61.150	61.150	61.150	61.150	61.150	61.150	61.150	61.150	

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN 17.07.2023
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS 07.08.2024
Date: 07.08.2024
Approved: N.MARTENS P50086372
Date: 07.08.2024
PS Number: PSS15535H

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1 Glenferrie Road Malvern VIC 3144
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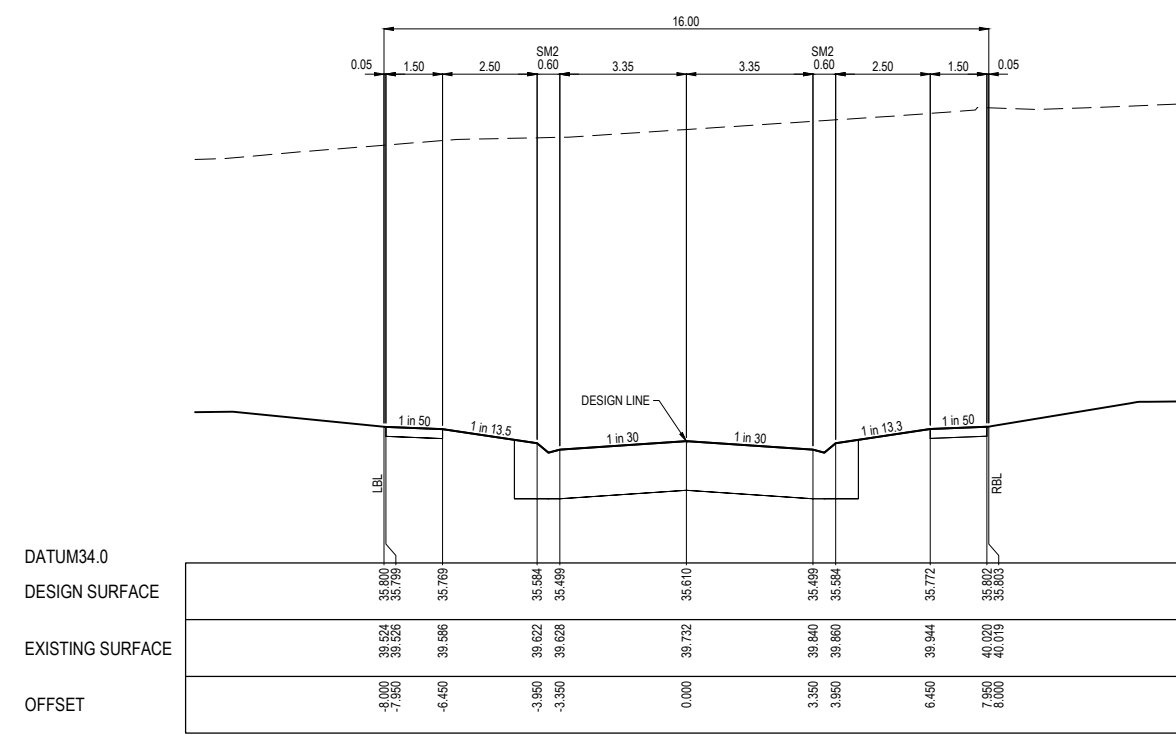
Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
Drawing Title: ROAD LONGITUDINAL SECTIONS PERGOLA STREET & PATIO LANE

Sheet 16 of 43
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Project Ref: 1701814
Stage No: 03
Drawing No: 105
Rev: A

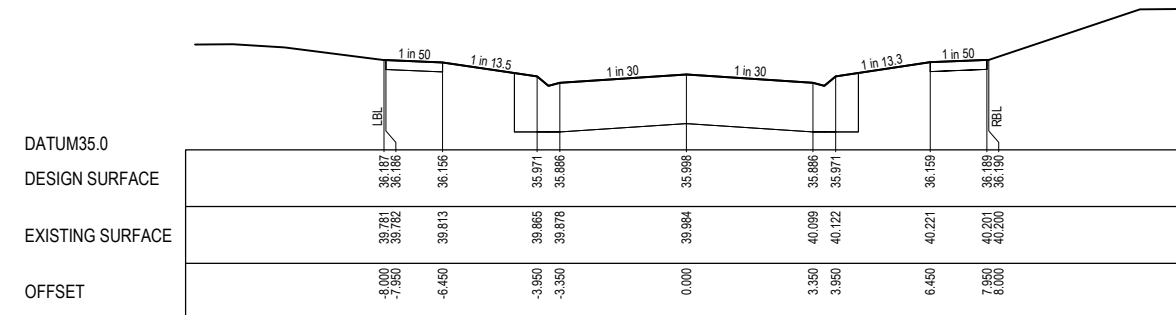
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

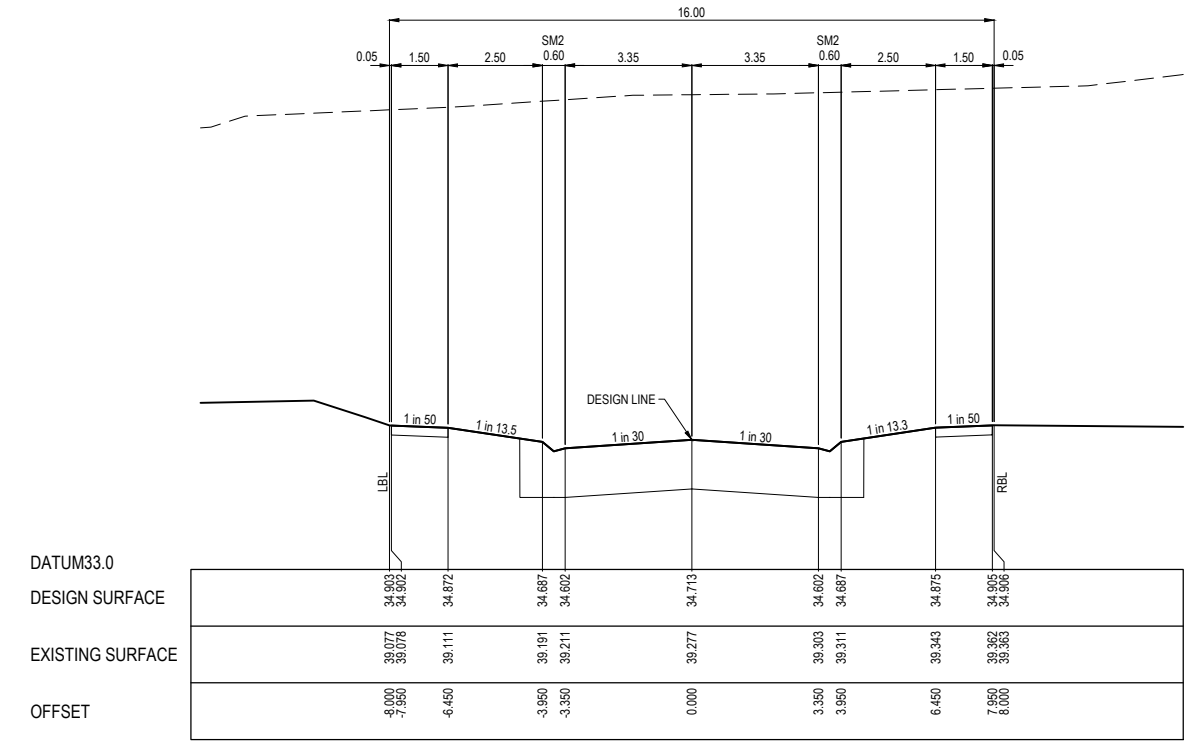
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- DESIGN SURFACE
- ▨ STRUCTURAL FILL



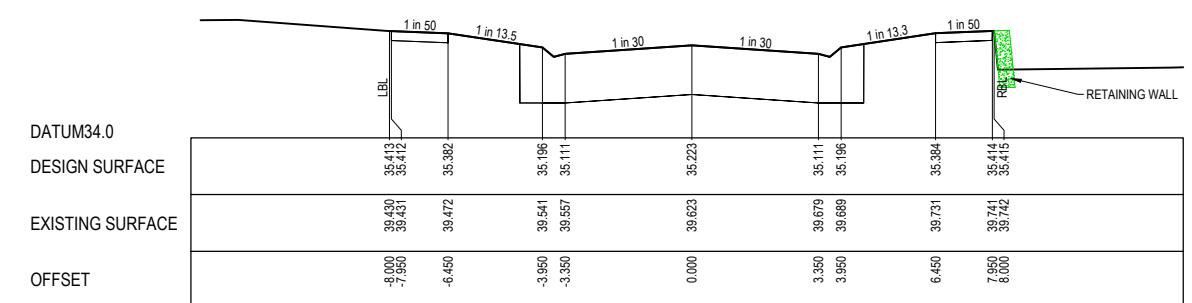
CH 131.330



CH 118.830



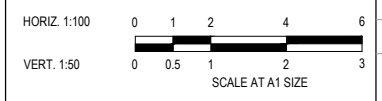
CH 160.269



CH 143.830

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REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN, 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS, 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS, PS0008272
 Date: 07.08.2024
 PS Number: PS915535H

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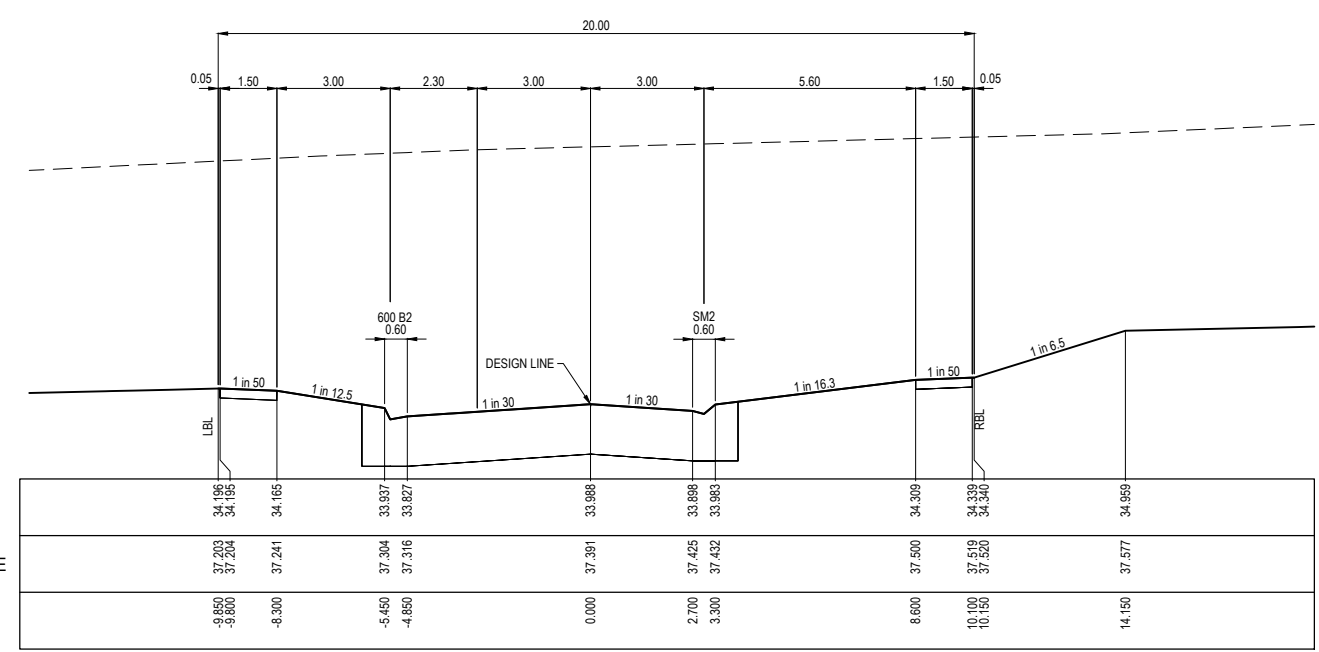
Project Details: MAPLE GROVE ESTATE, STAGE 3, CARDINIA SHIRE COUNCIL
 Drawing Title: ROAD CROSS SECTIONS, BALCONY STREET (SHEET 2 OF 2)

Sheet	19 of 43
Scale	1:100 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	201
Rev	A

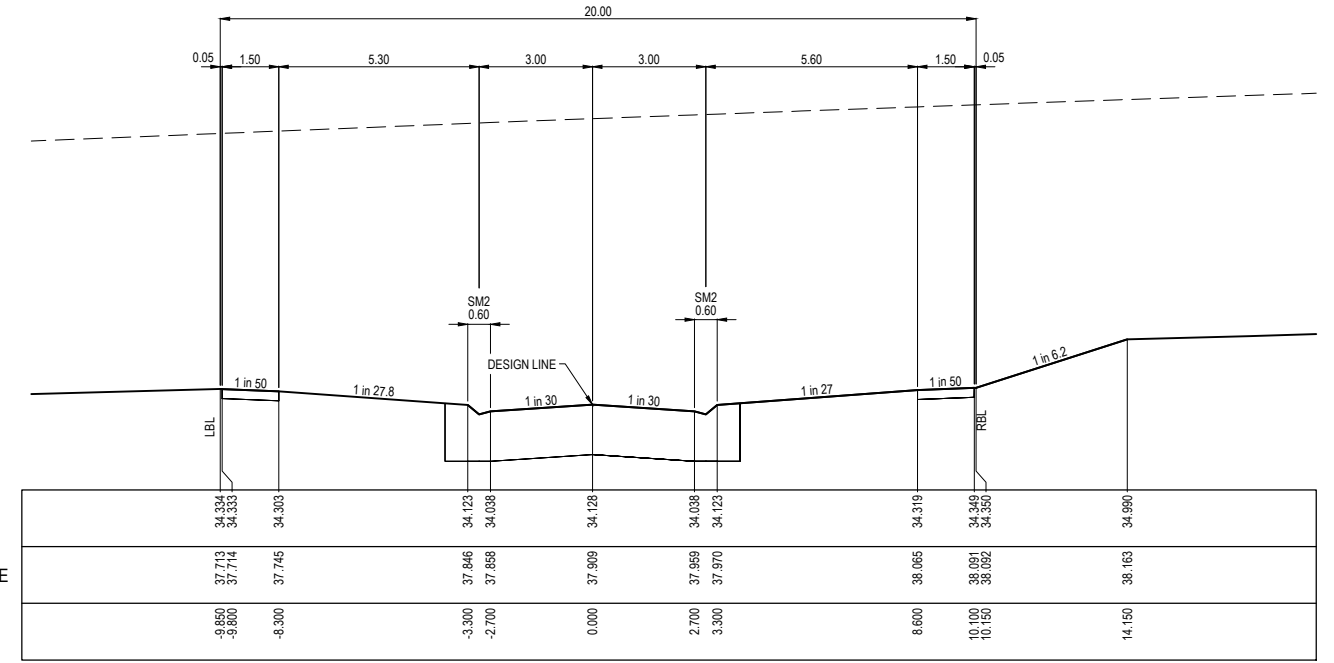
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

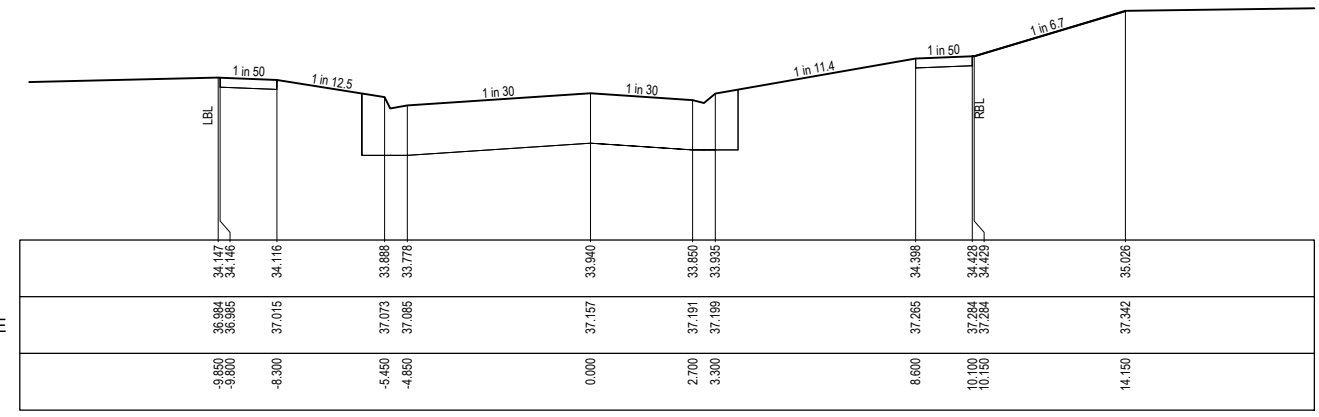
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- DESIGN SURFACE
- ▨ STRUCTURAL FILL



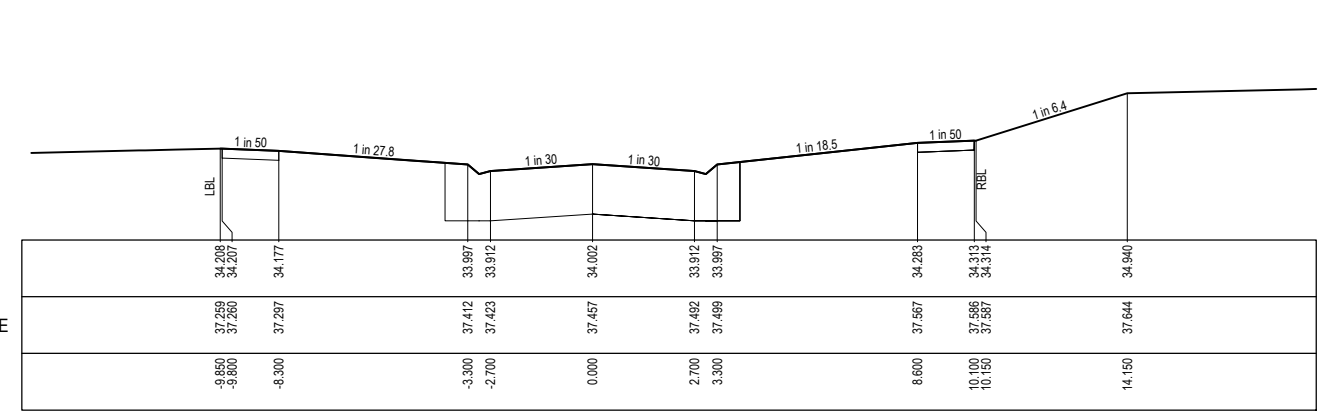
LTPCH 355.060



LTPCH 369.060



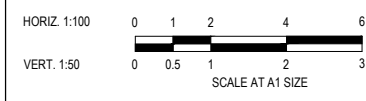
CH 350.210



CH 356.438

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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No.: PS0008272
Date: 07.08.2024
PS Number: PS915535H

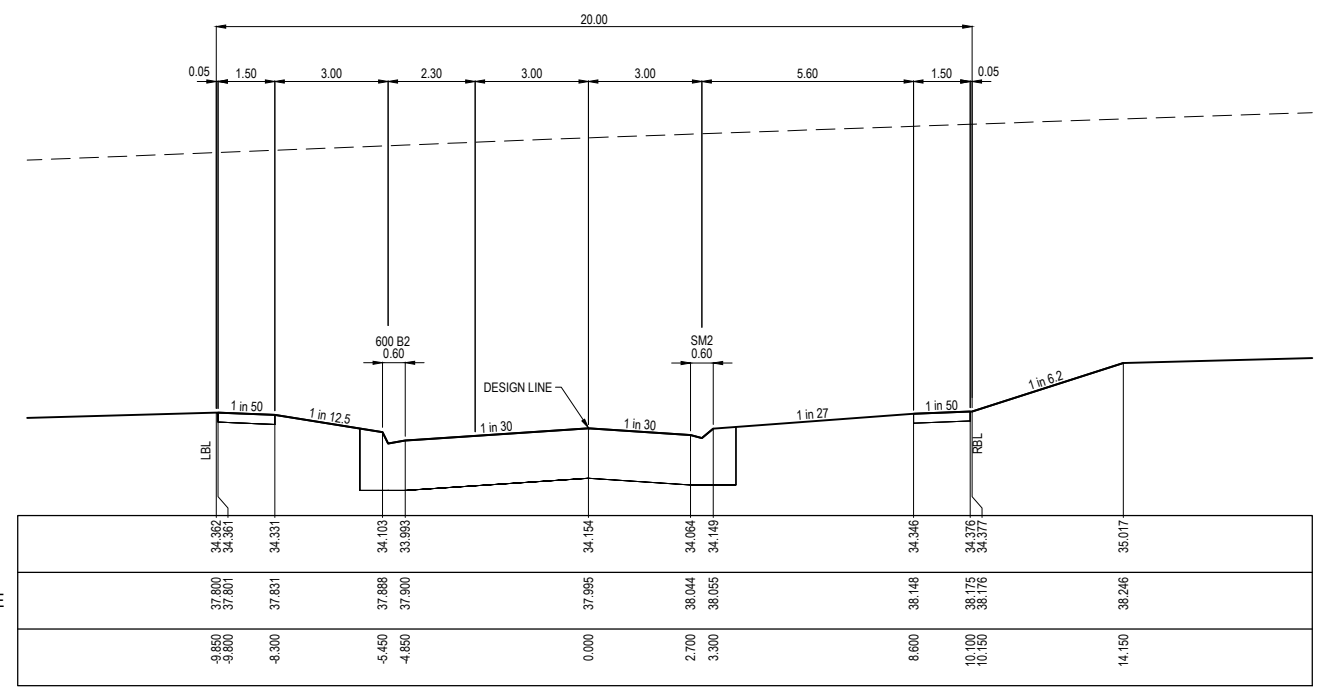
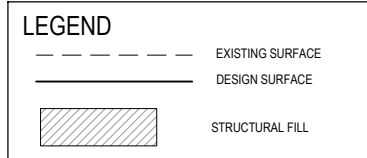
BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

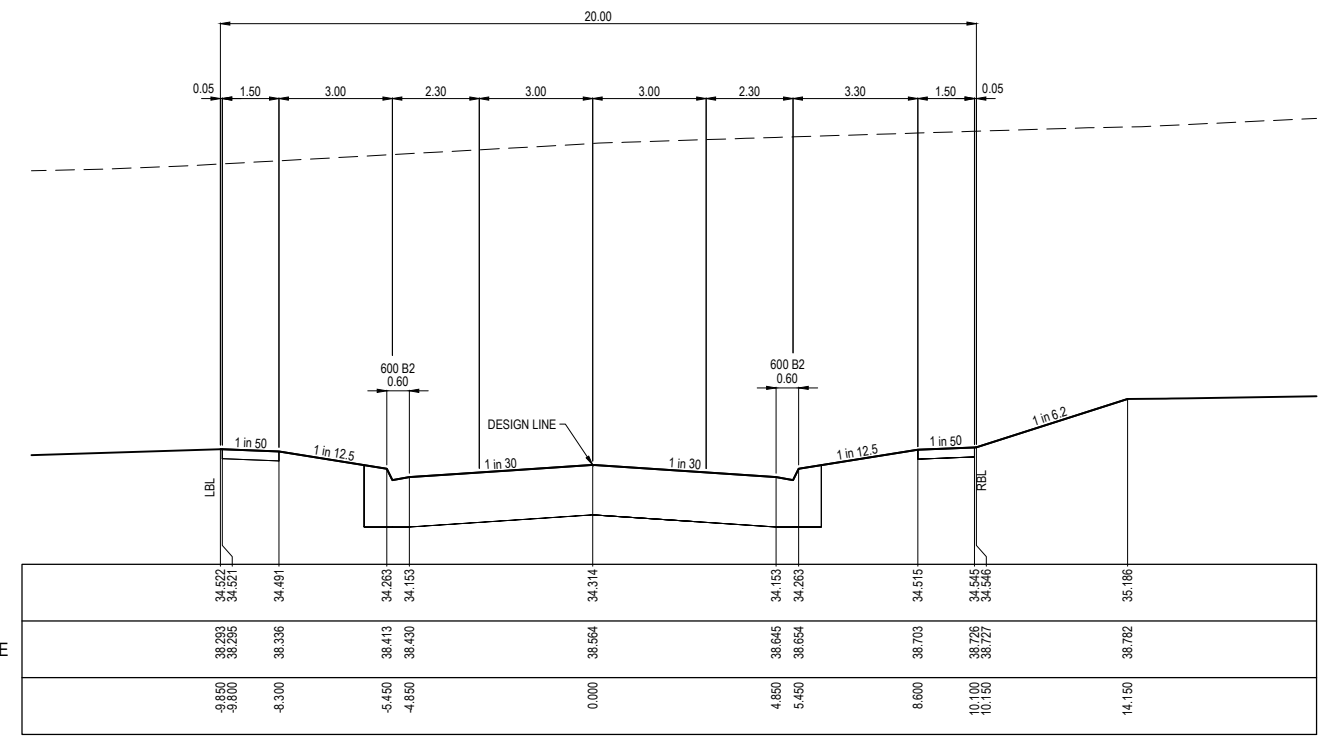
Drawing Title
ROAD CROSS SECTIONS
ANNUAL AVENUE
(SHEET 1 OF 3)

Sheet 20 of 43	
Scale 1:100 H 1:50 V @ A1	
Project Ref 1701814	Stage No 03
Drawing No 202	Rev A

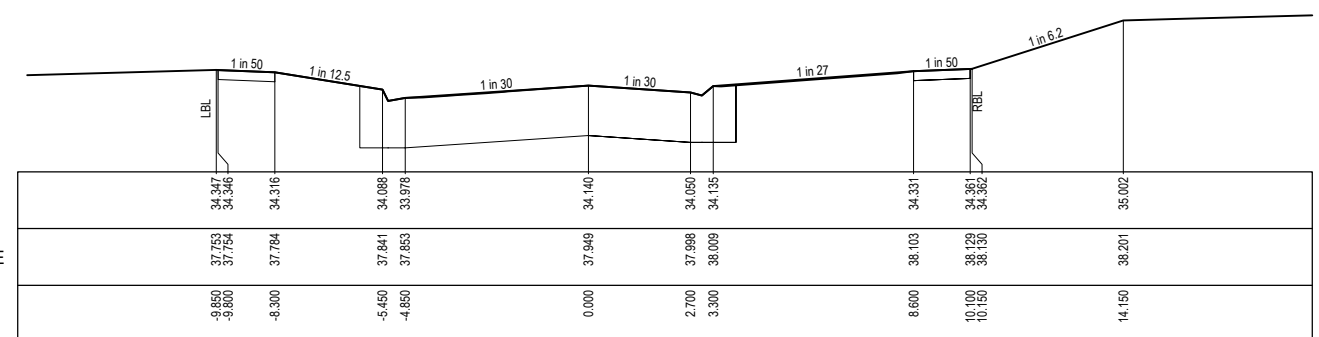
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



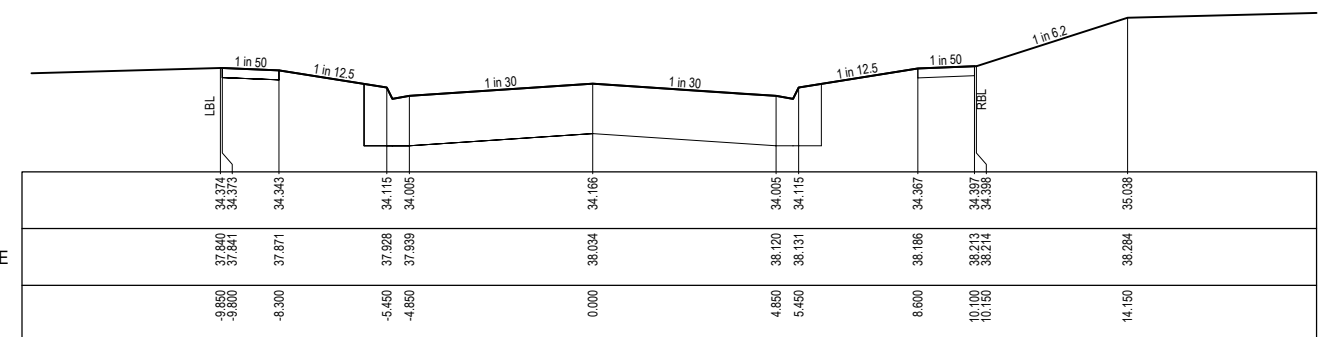
RTPCH 371.688



TPCH 387.688



LTPCH 370.260



RTPCH 372.888

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A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS 07.08.2024
 Approved: N.MARTENS PS0008272 07.08.2024
 PS Number: PS915535H

Development & Infrastructure Consultants
 1 Glenferrie Road Malvern VIC 3144
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 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
 Drawing Title: ROAD CROSS SECTIONS ANNUAL AVENUE (SHEET 2 OF 3)

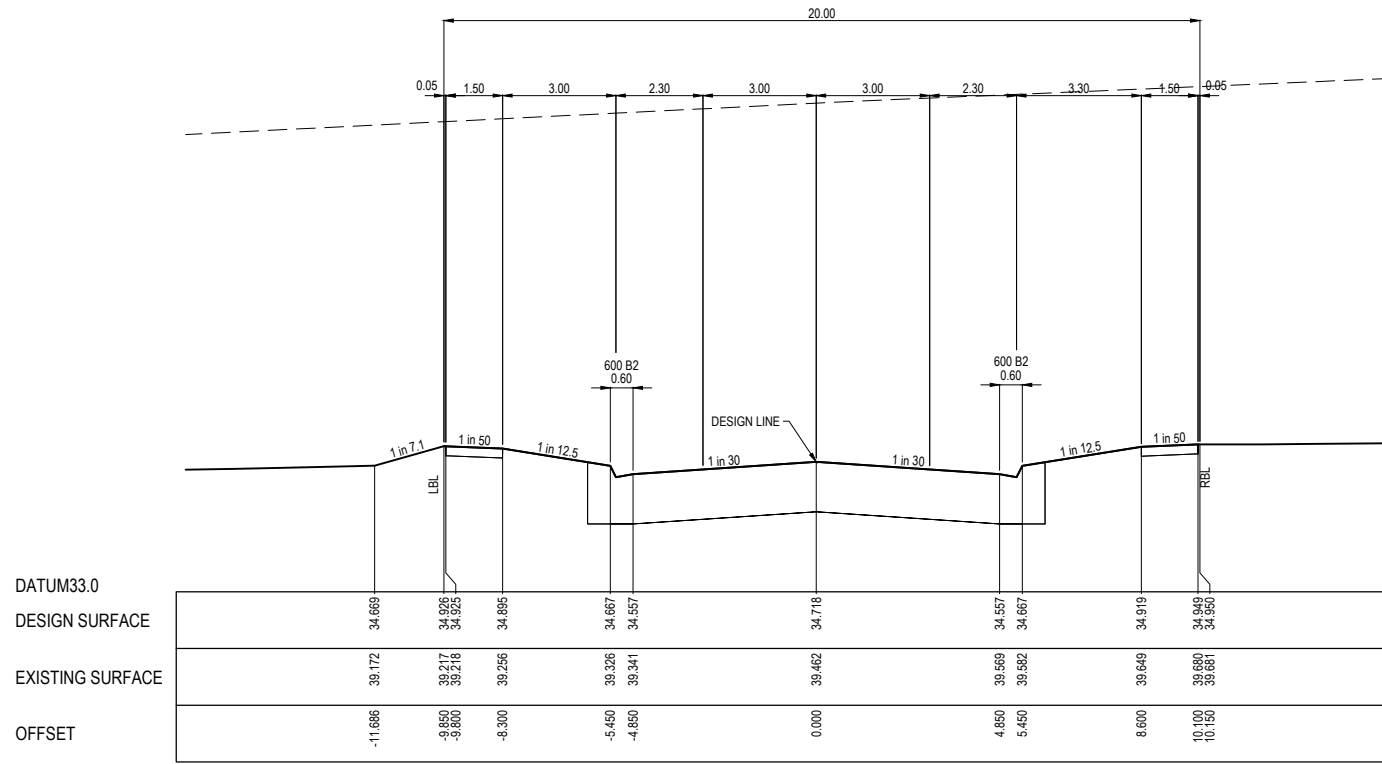
Sheet 21 of 43
 Scale: 1:100 H 1:50 V @ A1
 Project Ref: 1701814 Stage No: 03 Drawing No: 203 Rev: A

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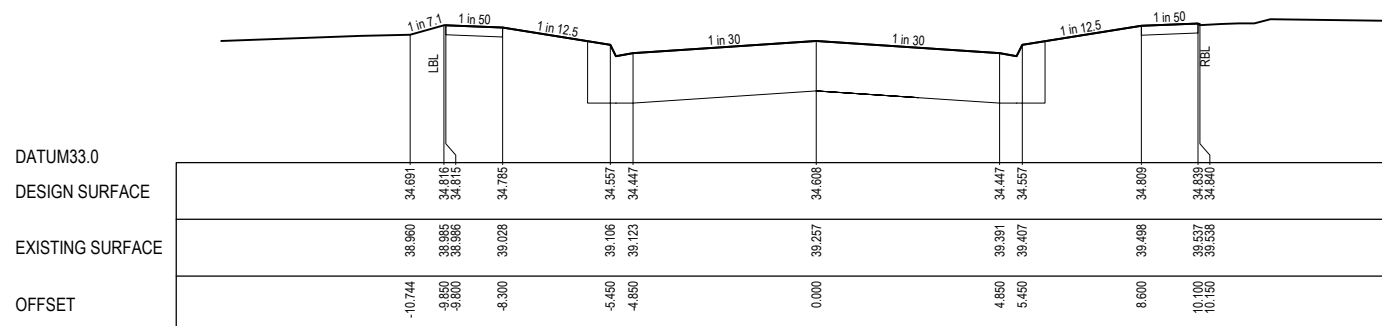
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

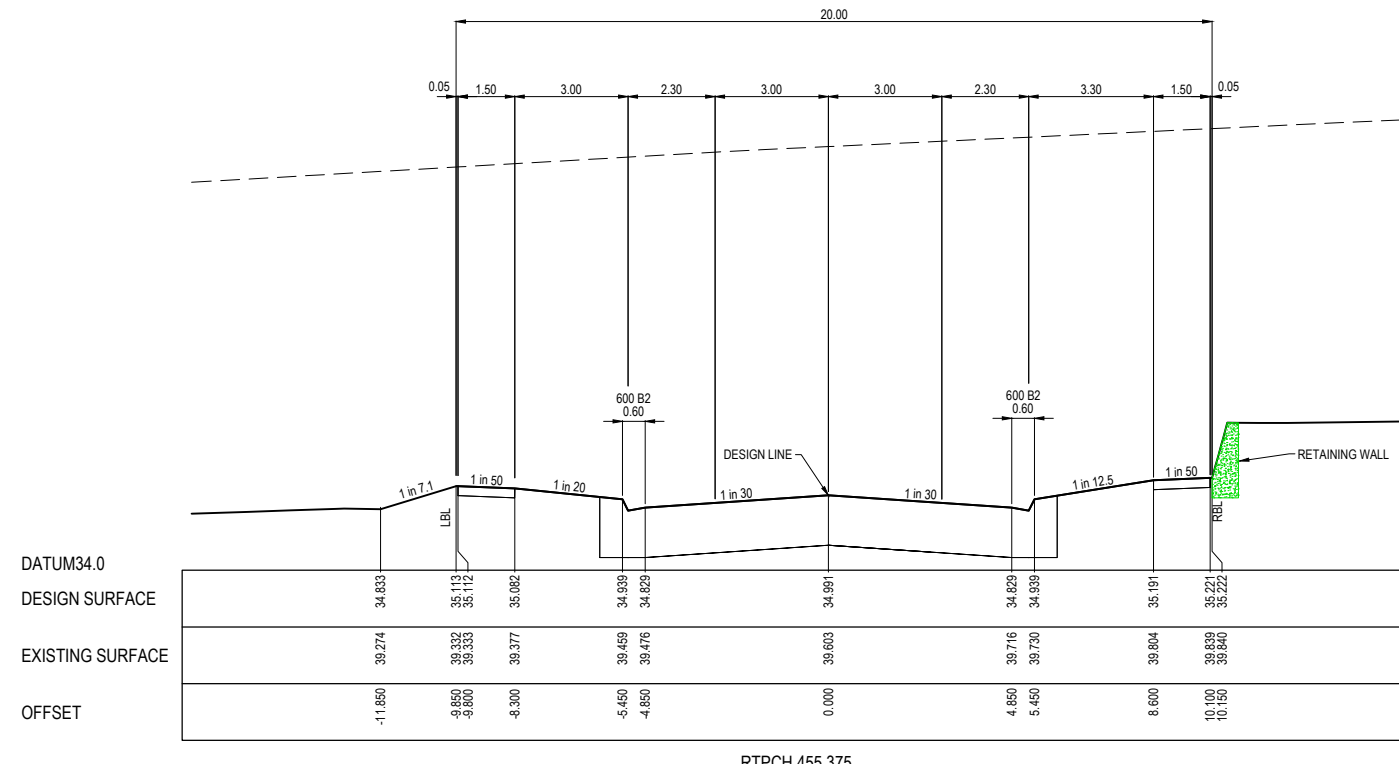
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



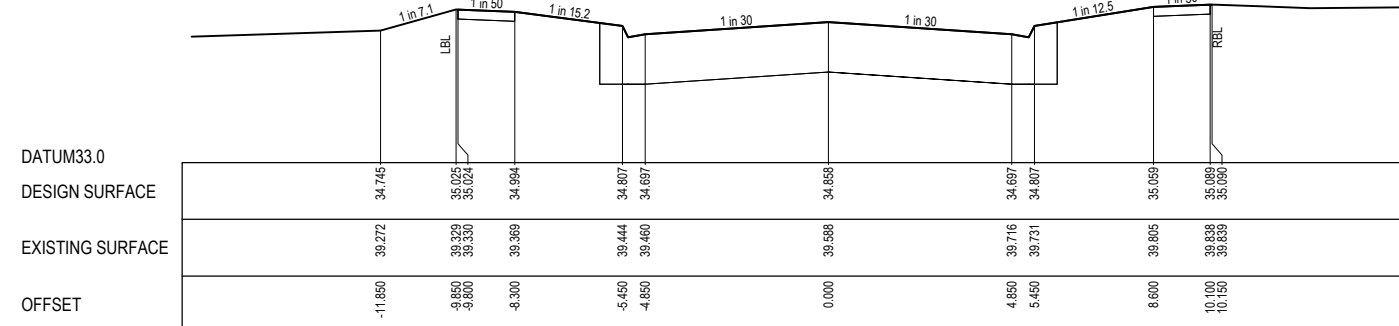
CH 428.090



TPCH 417.121



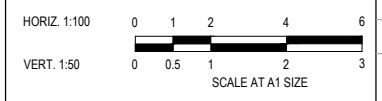
RTPCH 455.375



CH 442.090

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A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					
REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP



Designed: G.HASAN 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
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 Date: 07.08.2024
 Approved: N.MARTENS PS0008272
 Date: 07.08.2024
 PS Number: PS915535H

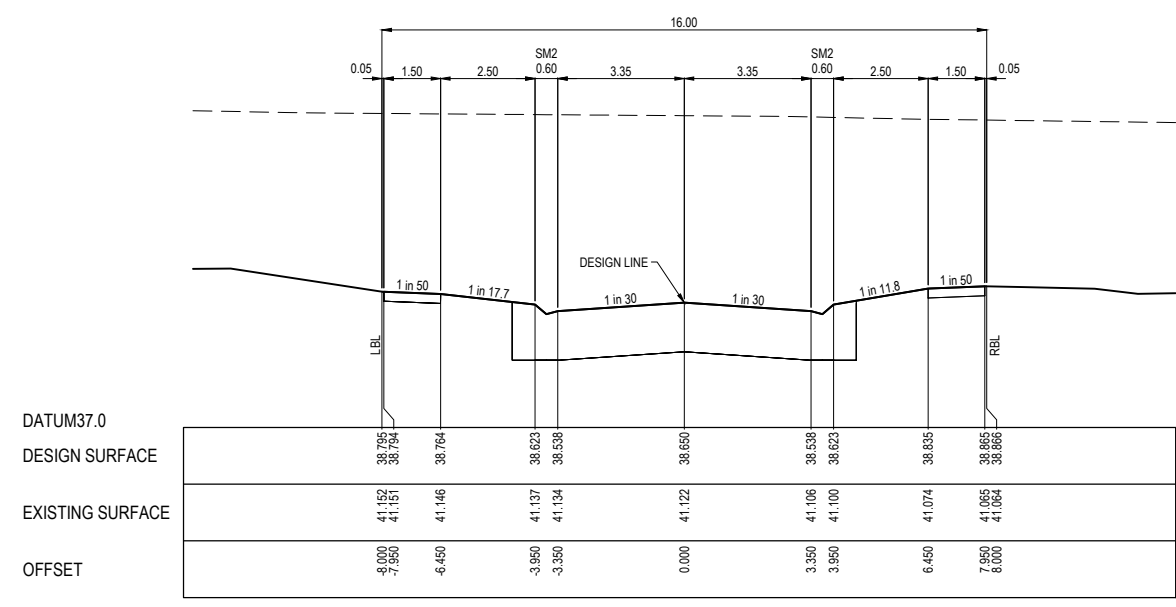
BW Beveridge Williams
 Development & Infrastructure Consultants
 1 Glenferrie Road Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
 Drawing Title: ROAD CROSS SECTIONS ANNUAL AVENUE (SHEET 3 OF 3)

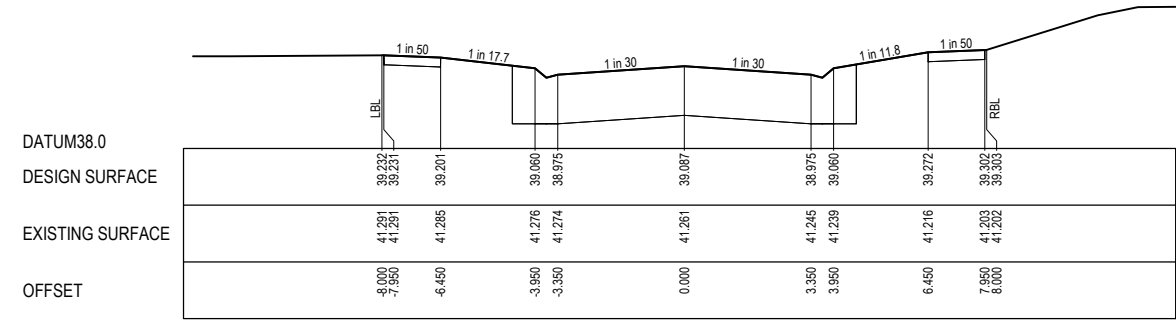
Sheet 22 of 43			
Scale 1:100 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1701814	03	204	A

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

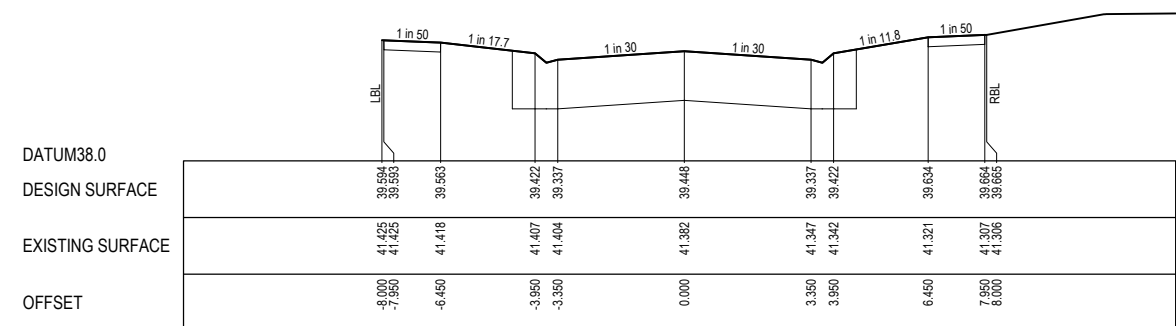
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL



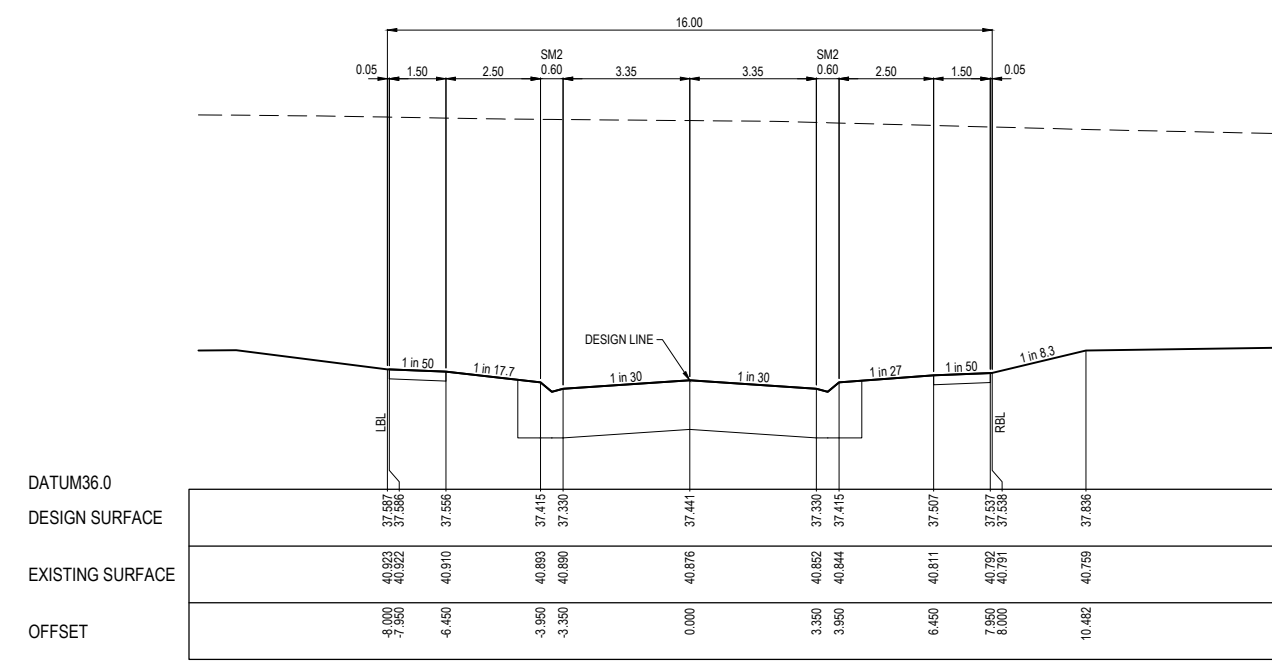
CH 135.792



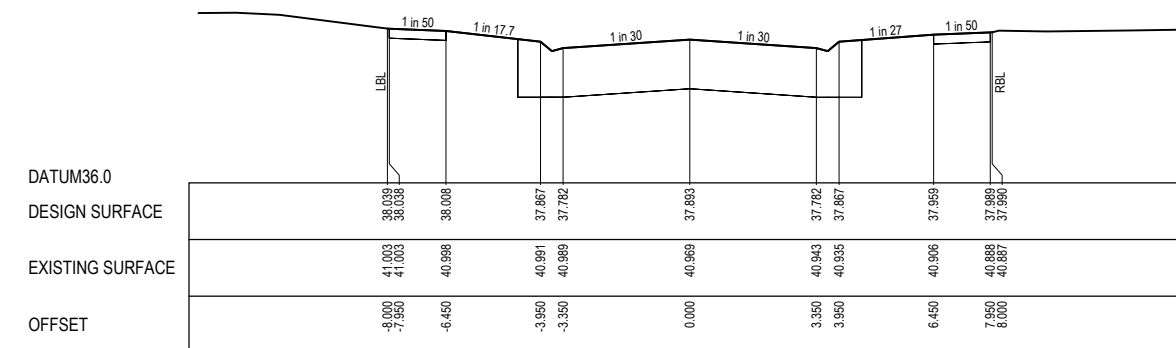
CH 121.692



CH 109.815
(LIMIT OF STAGE 3 WORKS)



CH 174.797

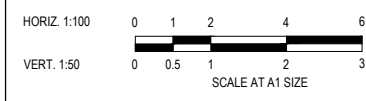


CH 160.214

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REV	DESCRIPTION	DATE	DRN	APP.	REV
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM	

REV	DESCRIPTION	DATE	DRN	APP.



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUIE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No.: PS0008272
Date: 07.08.2024
PS Number: PS915535H

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
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www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

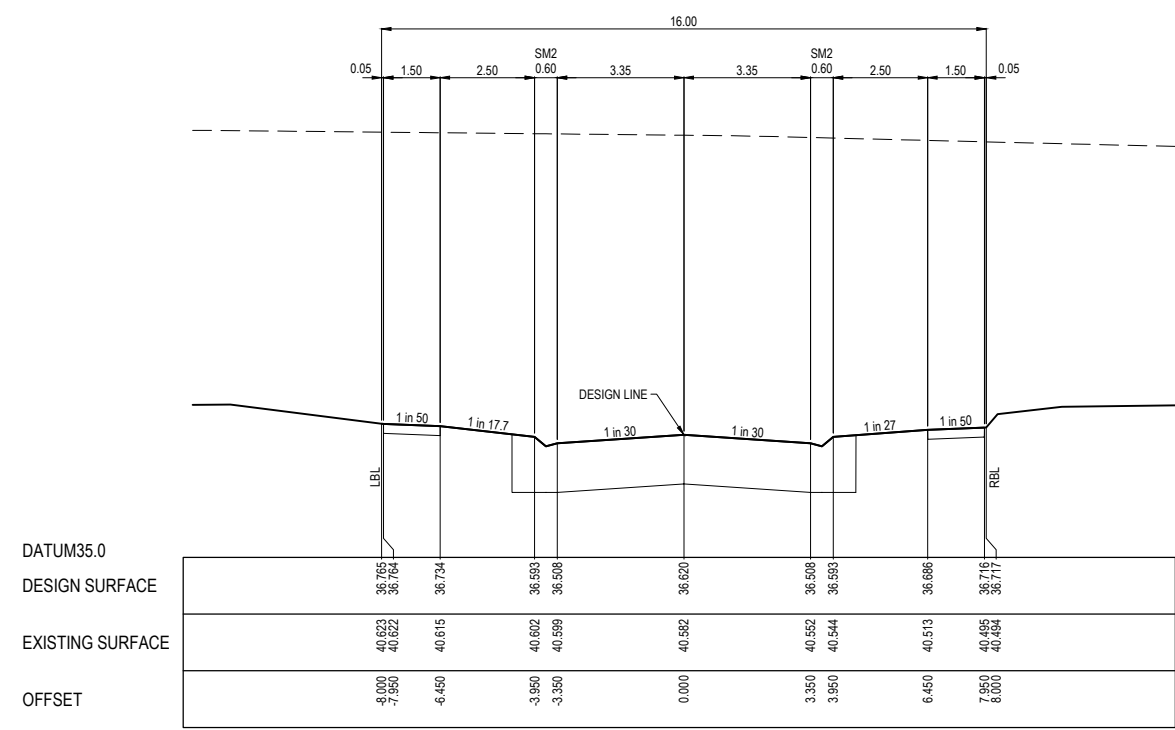
Drawing Title: ROAD CROSS SECTIONS
GAZEBO STREET
(SHEET 1 OF 4)

Sheet 23 of 43	
Scale 1:100 H 1:50 V @ A1	
Project Ref 1701814	Stage No 03
Drawing No 205	Rev A

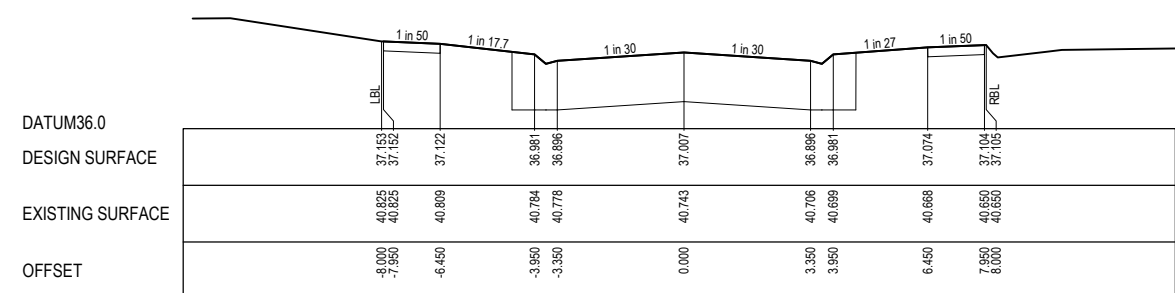
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

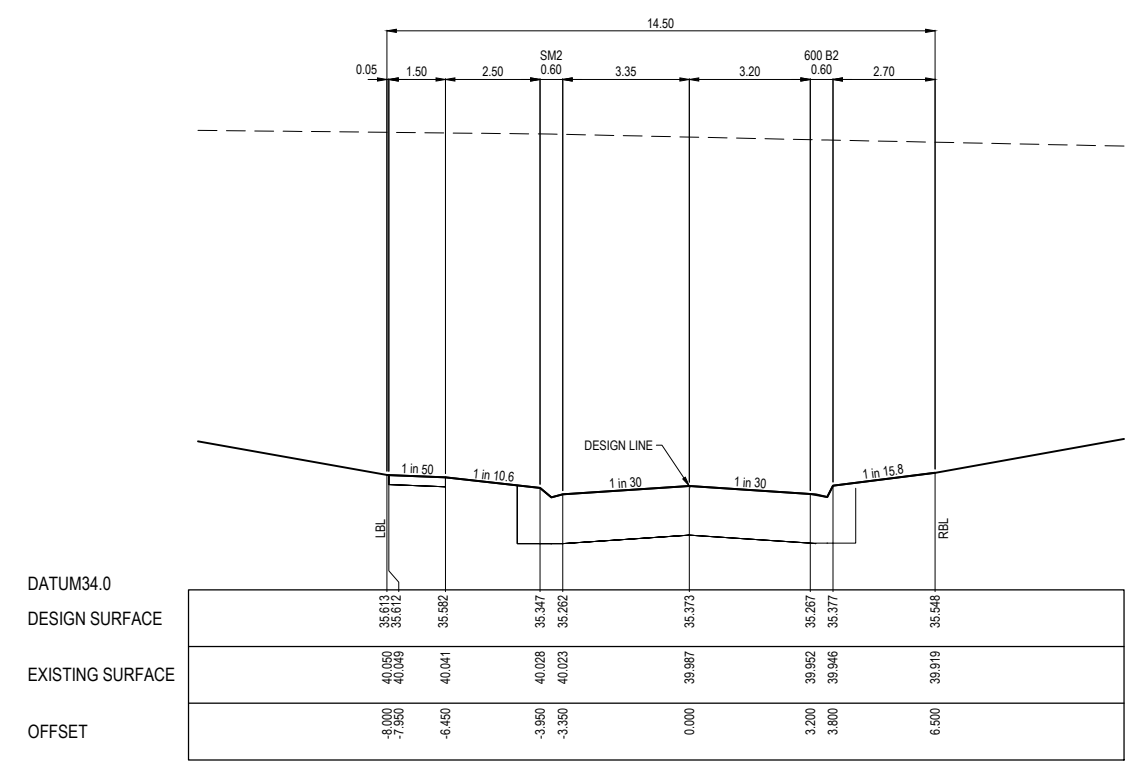
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



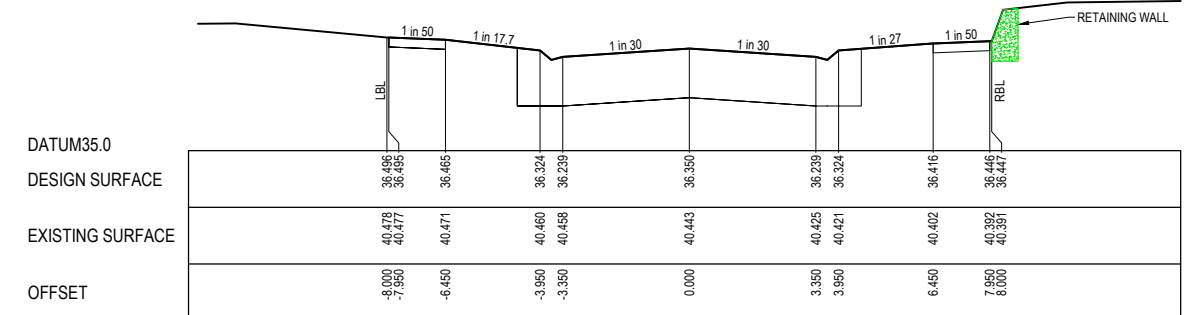
CH 201.297



CH 188.797



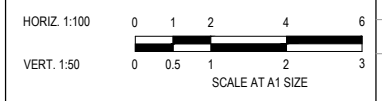
CH 241.529



CH 210.000

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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed G.HASAN
Date 17.07.2023
Drawn M.F. JAURIGUE
Checked N.MARTENS
Date 07.08.2024
Approved N.MARTENS
Reg. No. PS0008272
Date 07.08.2024
PS Number PS915535H

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Development & Infrastructure Consultants
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Malvern VIC 3144
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www.beveridgewilliams.com.au


Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

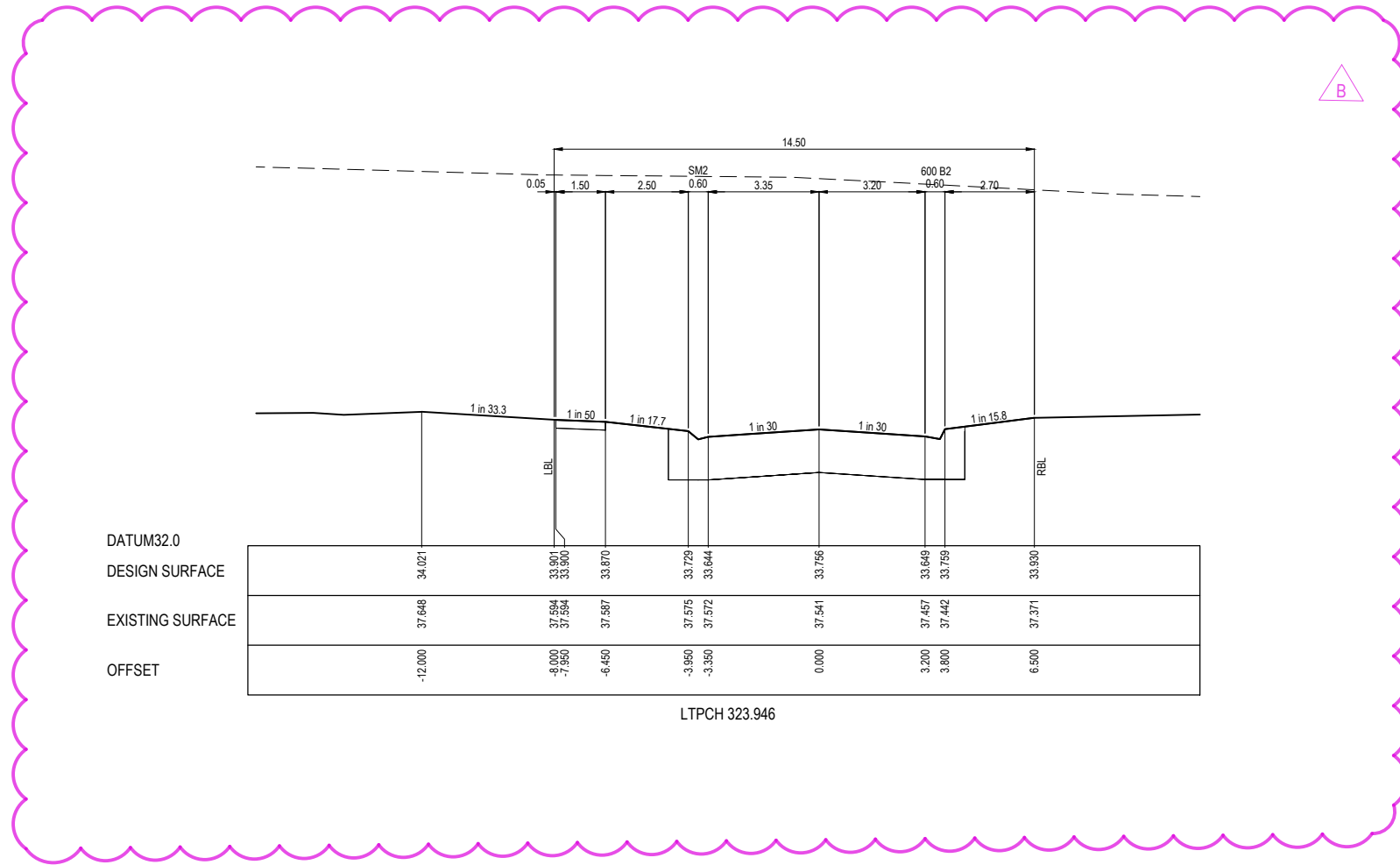
Drawing Title
ROAD CROSS SECTIONS
GAZEBO STREET
(SHEET 2 OF 4)

Sheet	24 of 43
Scale	1:100 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	206
Rev	A

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

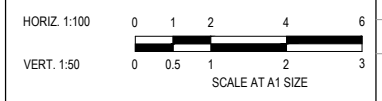
LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
-  STRUCTURAL FILL



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B	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					
REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.



Designed G.HASAN
Date 17.07.2023
Drawn M.F. JAURIGUE
Checked N.MARTENS
Date 07.08.2024
Approved N.MARTENS
Reg. No. P6008272
Date 07.08.2024
PS Number PSS15535H



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Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

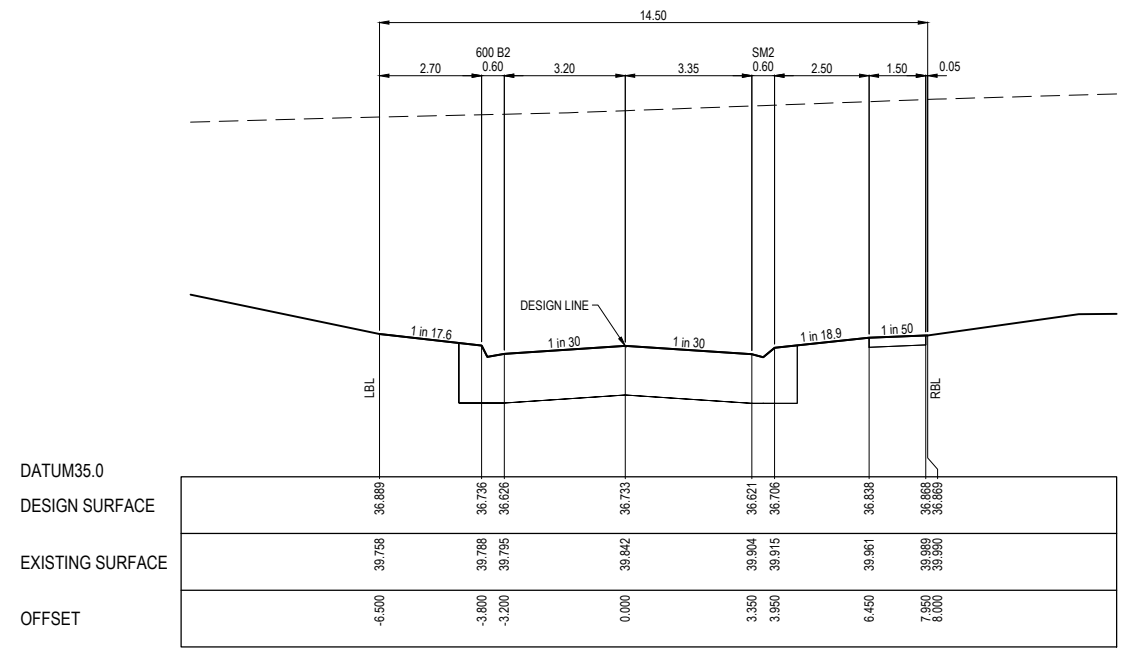
Drawing Title
ROAD CROSS SECTIONS
GAZEBO STREET
(SHEET 4 OF 4)

Sheet	26 of 43
Scale	1:100 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	208
Rev	B

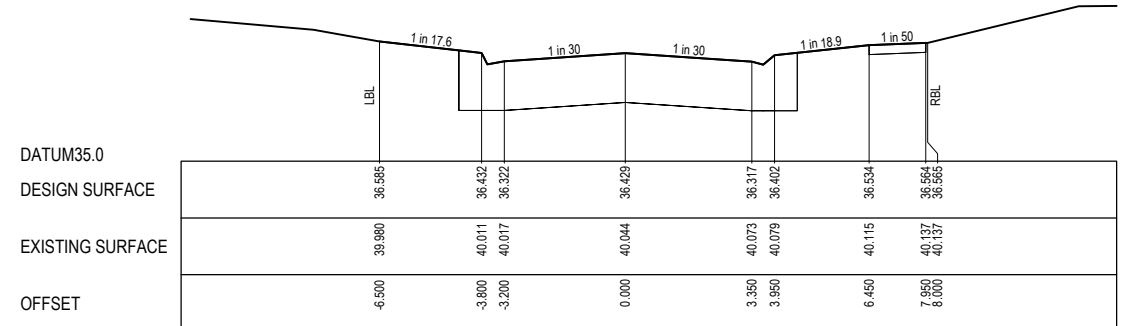
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

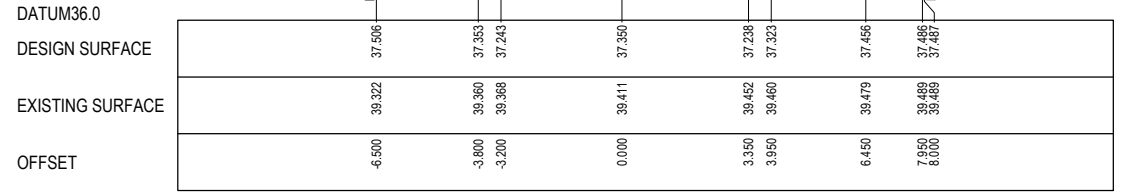
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



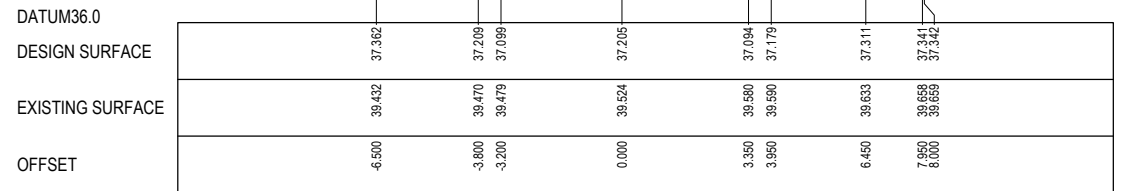
CH 41.787



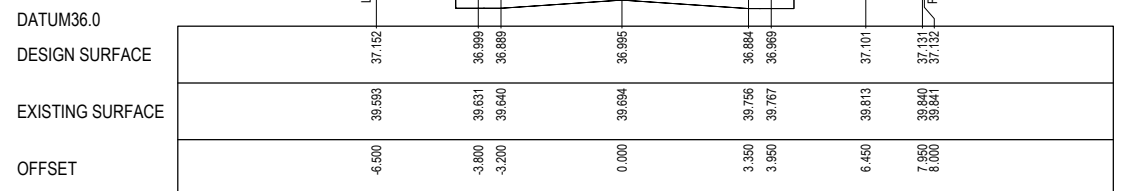
CH 25.787



LTPCH 79.913



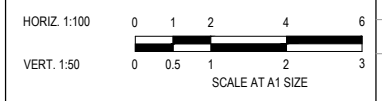
CH 69.787



CH 55.787

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A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					
REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUIE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No.: PS0008272
Date: 07.08.2024
PS Number: PS915535H

BW Beveridge Williams
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Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

Drawing Title: ROAD CROSS SECTIONS
PERGOLA STREET

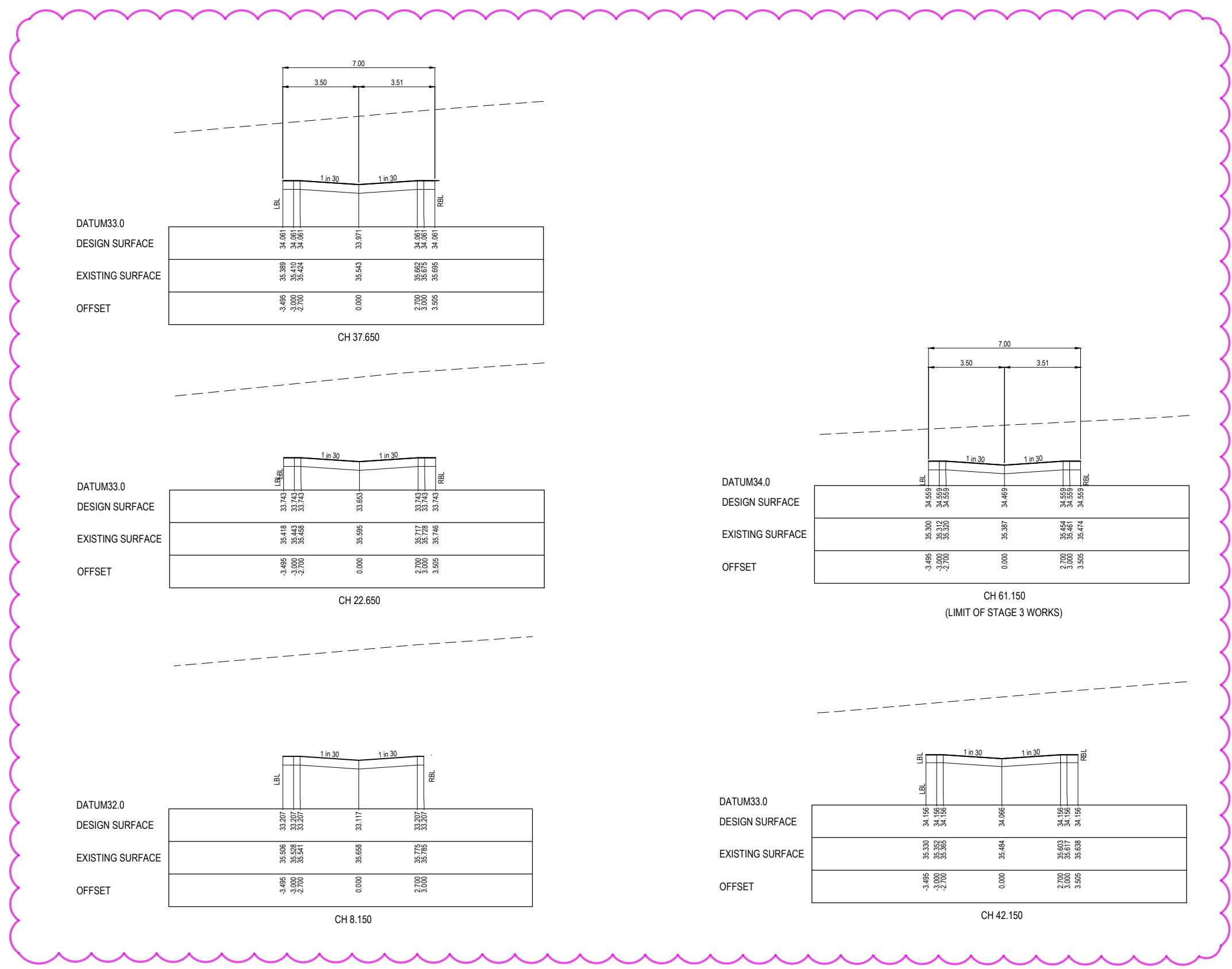
Sheet 28 of 43
Scale: 1:100 H 1:50 V @ A1

Project Ref: 1701814
Stage No: 03
Drawing No: 210
Rev: A

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

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL

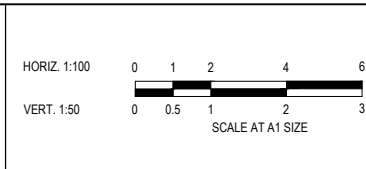


B

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REV	DESCRIPTION	DATE	DRN	APP	REV
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A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM	

DESCRIPTION	DATE	DRN	APP



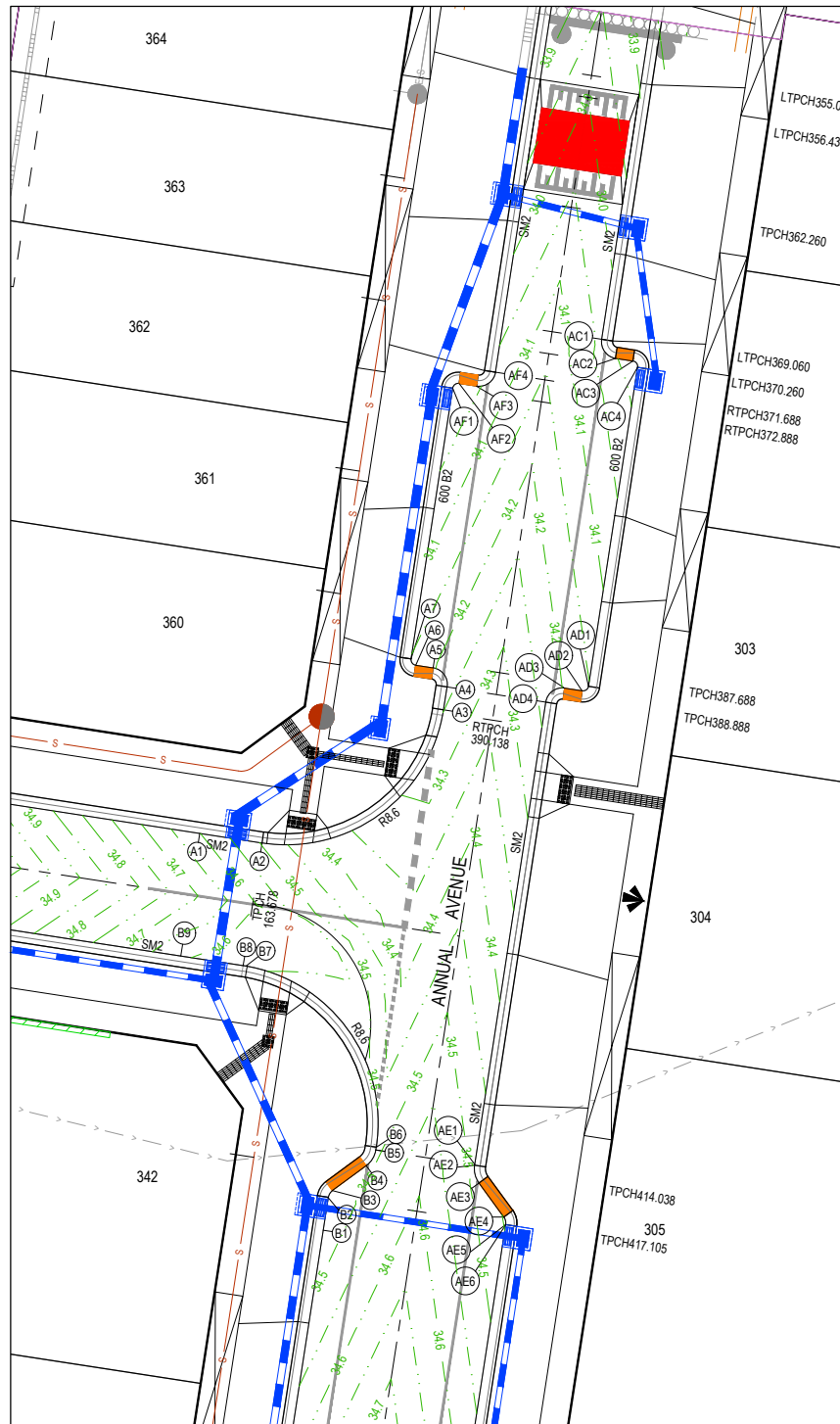
Designed G.HASAN 17.07.2023
Date
Drawn M.F. JAURIGUE
Checked N.MARTENS 07.08.2024
Date
Approved N.MARTENS PS0008272
Reg. No. 07.08.2024
Date
PS Number PS915535H

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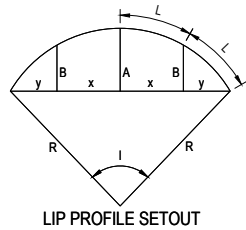
Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

Drawing Title
ROAD CROSS SECTIONS
PATIO LANE

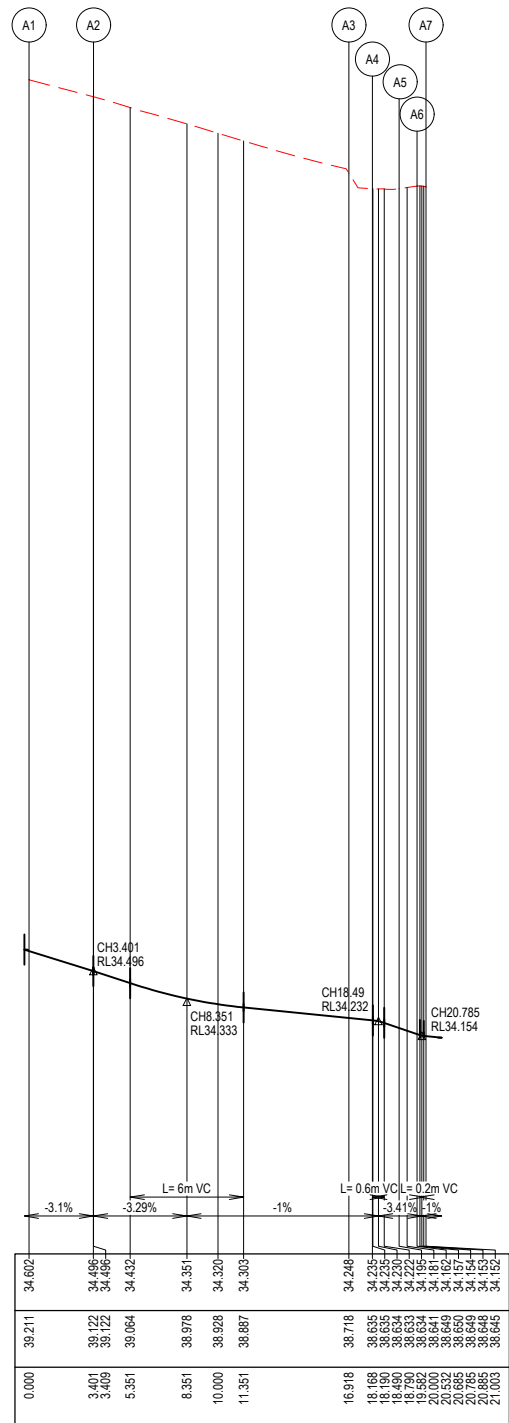
Sheet 29 of 43	
Scale 1:100 H 1:50 V @ A1	
Project Ref 1701814	Stage No 03
Drawing No 211	Rev B



- LEGEND**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - MELBOURNE WATER DRAIN & PIT
 - SWALE DRAIN
 - 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



VERTICAL GEOMETRY
DATUM RL33
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



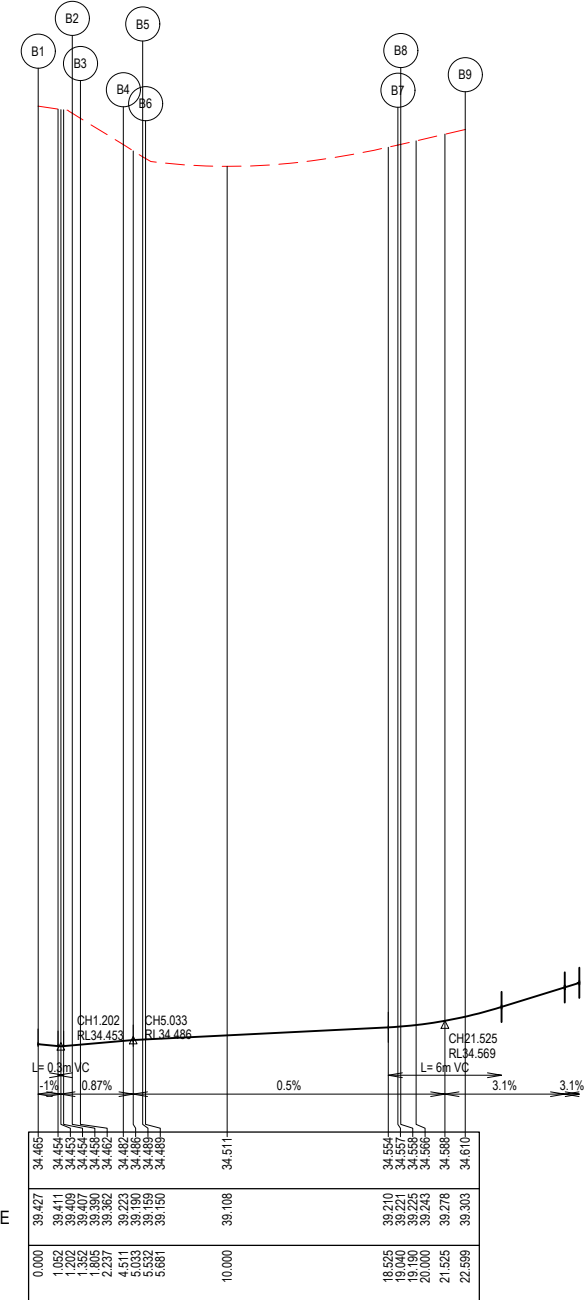
LIP LINE A

LIP LINE A

Point no	Easting	Northing	RL
A1	9882.971	4393.196	34.602
A2	9886.340	4392.677	34.496
A3	9896.148	4399.869	34.248
A4	9896.338	4401.105	34.235
A5	9895.585	4402.131	34.195
A6	9894.646	4402.276	34.162
A7	9894.395	4402.618	34.152

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
A2 - A3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	34.318
A4 - A5	90.001	0.900	1.414	0.264	0.195	0.344	0.292	0.353	34.219
A6 - A7	90.001	0.300	0.471	0.088	0.065	0.115	0.097	0.118	34.155

VERTICAL GEOMETRY
DATUM RL34
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



LIP LINE B

LIP LINE B

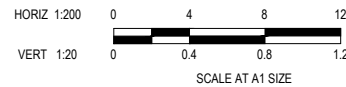
Point no	Easting	Northing	RL
B1	9889.647	4371.760	34.465
B2	9889.919	4373.527	34.458
B3	9890.140	4373.904	34.462
B4	9891.974	4375.246	34.462
B5	9892.490	4376.099	34.489
B6	9892.513	4376.246	34.489
B7	9885.469	4386.030	34.557
B8	9885.321	4386.055	34.558
B9	9881.952	4386.574	34.610

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
B3 - B4	45.000	0.550	0.432	0.042	0.031	0.107	0.103	0.108	34.460
B5 - B6	45.000	1.300	1.021	0.099	0.074	0.254	0.244	0.255	34.486
B7 - B8	89.001	8.600	13.359	2.466	1.826	3.256	2.771	3.340	34.523

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN 17.07.2023
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS 07.08.2024
Date: 07.08.2024
Approved: N.MARTENS PS0008272
Reg. No.: 07.08.2024
Date: 07.08.2024
PS Number: PS915535H

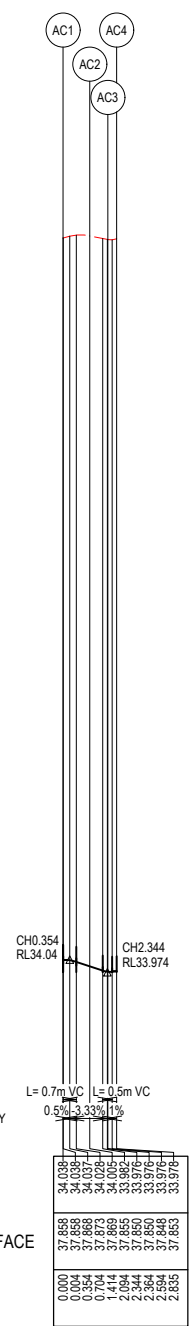
BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL
Drawing Title: INTERSECTION DETAILS
(SHEET 1 OF 5)

Sheet 30 of 43

Scale: 1:200 H 1:20 V @ A1

Project Ref	Stage No	Drawing No	Rev
1701814	03	300	A

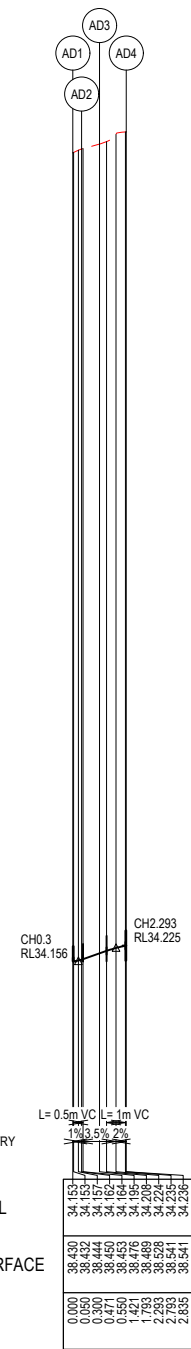


LIP LINE AC

LIP LINE AC

Point no	Easting	Northing	RL
AC1	9904.691	4419.881	34.038
AC2	9905.443	4418.855	34.005
AC3	9906.362	4418.710	33.976
AC4	9906.633	4418.368	33.978

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AC1 - AC2	90.000	0.900	1.414	0.264	0.195	0.344	0.292	0.353	34.028
AC3 - AC4	90.000	0.300	0.471	0.088	0.065	0.115	0.097	0.118	33.976

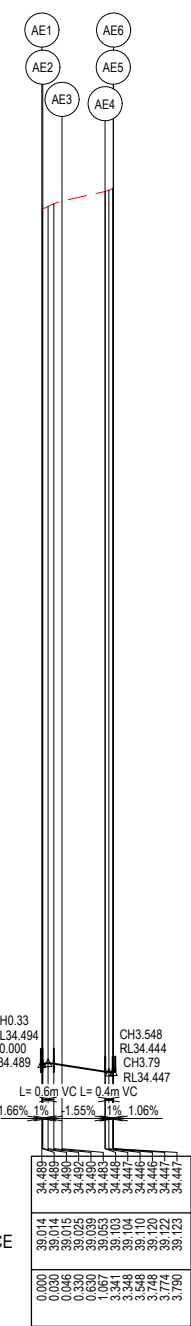


LIP LINE AD

LIP LINE AD

Point no	Easting	Northing	RL
AD1	9903.983	4401.143	34.153
AD2	9903.640	4400.892	34.162
AD3	9902.702	4401.036	34.195
AD4	9901.675	4400.284	34.238

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AD1 - AD2	90.001	0.300	0.471	0.088	0.065	0.115	0.097	0.118	34.156
AD3 - AD4	90.001	0.900	1.414	0.264	0.195	0.344	0.292	0.353	34.219

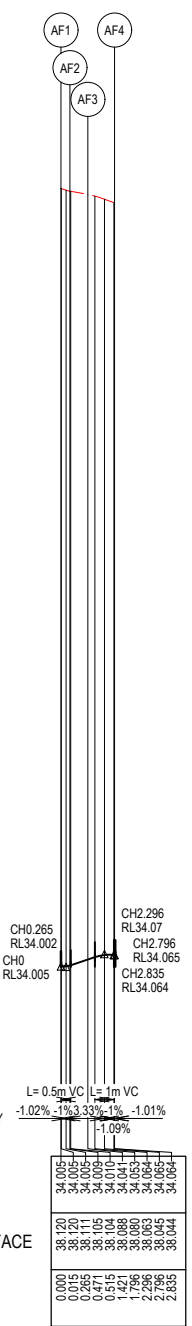


LIP LINE AE

LIP LINE AE

Point no	Easting	Northing	RL
AE1	9897.834	4375.324	34.489
AE2	9897.827	4375.278	34.490
AE3	9899.064	4374.311	34.483
AE4	9899.409	4372.477	34.448
AE5	9899.509	4372.068	34.447
AE6	9899.506	4372.052	34.447

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AE2 - AE3	45.000	1.300	1.021	0.099	0.074	0.254	0.244	0.255	34.491
AE4 - AE5	45.013	0.550	0.432	0.042	0.031	0.107	0.103	0.108	34.446

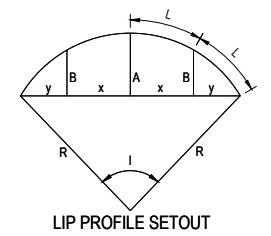


LIP LINE AF

LIP LINE AF

Point no	Easting	Northing	RL
AF1	9896.646	4417.246	34.005
AF2	9896.988	4417.497	34.009
AF3	9897.927	4417.352	34.041
AF4	9896.954	4418.105	34.064

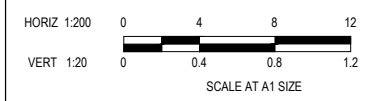
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AF1 - AF2	90.000	0.300	0.471	0.088	0.065	0.115	0.097	0.118	34.005
AF3 - AF4	90.000	0.900	1.414	0.264	0.195	0.344	0.292	0.353	34.062



LIP PROFILE SETOUT

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

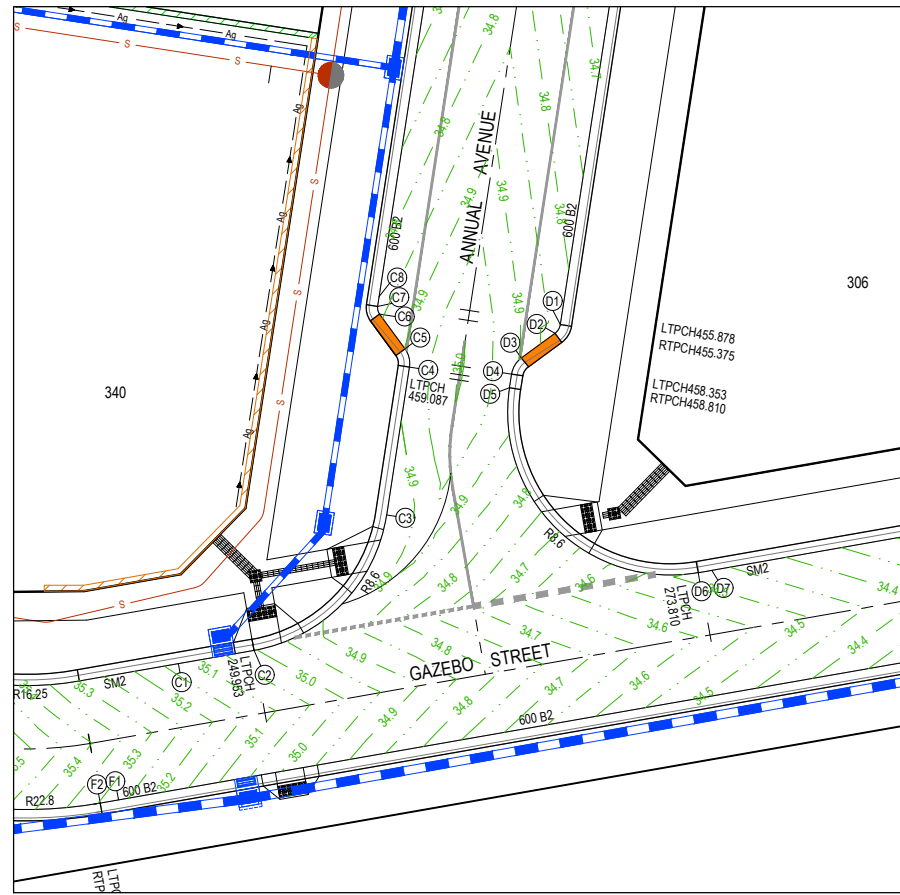


Designed: G.HASAN 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS
 Reg. No. PS0008272
 Date: 07.08.2024
 PS Number: PS15535H

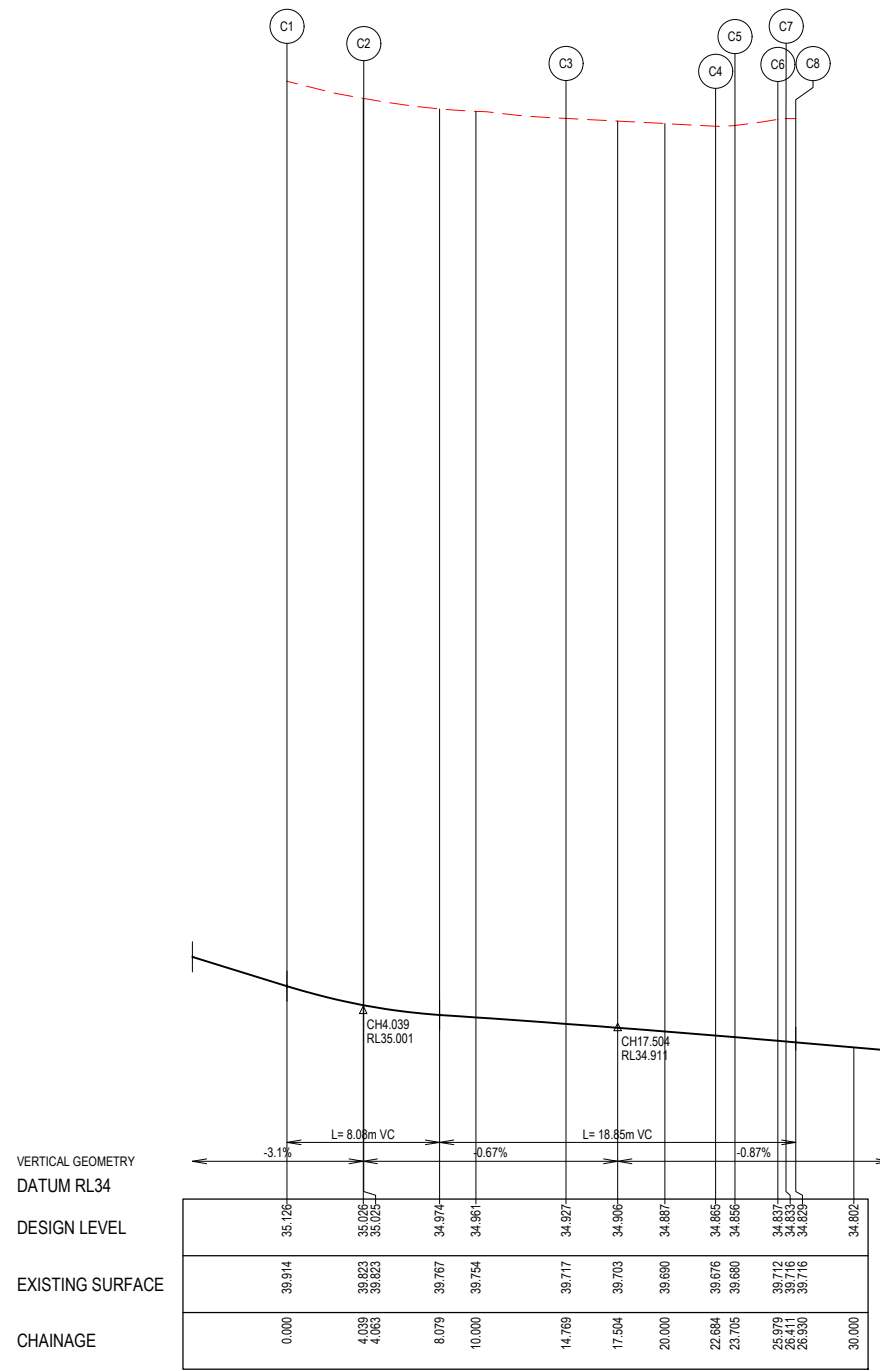
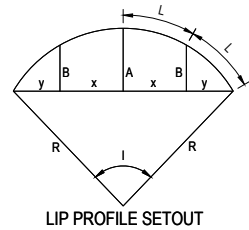
BW Beveridge Williams
 Development & Infrastructure Consultants
 1 Glenferrie Road Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
 Drawing Title: INTERSECTION DETAILS (SHEET 2 OF 5)

Sheet 31 of 43
 Scale: 1:200 H 1:20 V @ A1
 Project Ref: 1701814 Stage No: 03 Drawing No: 301 Rev: A



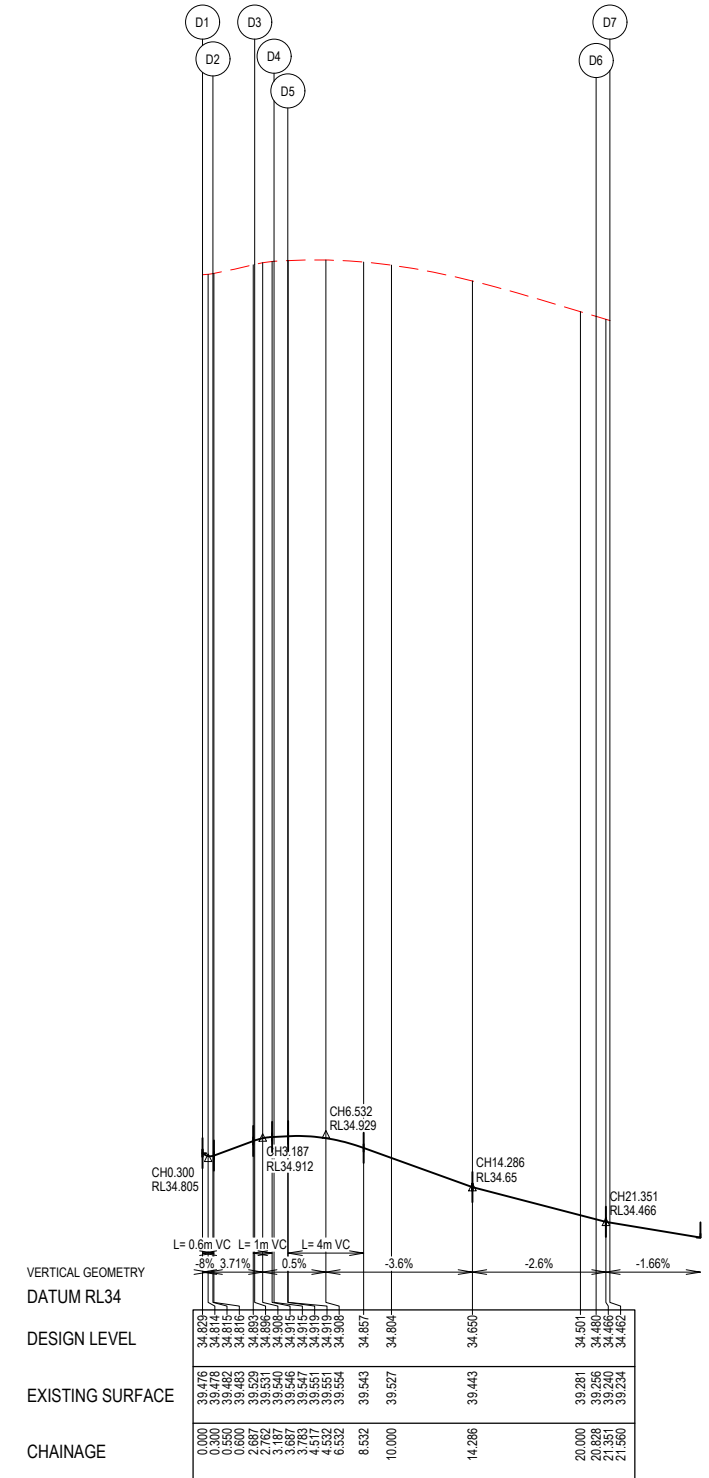
- LEGEND**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - MELBOURNE WATER DRAIN & PIT
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - TACTILE PAVERS (INDICATIVE ONLY)
 - EXISTING HOUSE DRAIN
 - RETAINING WALL
 - PAVEMENT TREATMENT
 - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN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



LIP LINE C

Point no	Easting	Northing	RL
C1	9873.480	4316.310	35.126
C2	9877.483	4317.011	35.025
C3	9884.500	4324.174	34.927
C4	9885.704	4331.997	34.865
C5	9885.468	4332.963	34.856
C6	9884.123	4334.797	34.837
C7	9884.023	4335.206	34.833
C8	9884.101	4335.719	34.829

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
C2 - C3	71.328	8.600	10.706	1.613	1.200	2.634	2.381	2.677	34.965
C4 - C5	45.000	1.300	1.021	0.099	0.074	0.254	0.244	0.255	34.861
C6 - C7	45.000	0.550	0.432	0.042	0.031	0.107	0.103	0.108	34.835



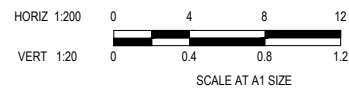
LIP LINE D

Point no	Easting	Northing	RL
D1	9893.689	4334.243	34.829
D2	9893.411	4333.785	34.815
D3	9891.627	4332.477	34.896
D4	9891.111	4331.627	34.915
D5	9890.999	4330.901	34.919
D6	9900.981	4321.122	34.480
D7	9901.702	4321.248	34.462

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	45.000	0.700	0.550	0.053	0.040	0.137	0.137	0.137	34.814
D3 - D4	45.000	1.300	1.021	0.099	0.074	0.254	0.244	0.255	34.910
D5 - D6	108.672	8.600	16.312	3.586	2.637	3.927	3.060	4.078	34.708

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

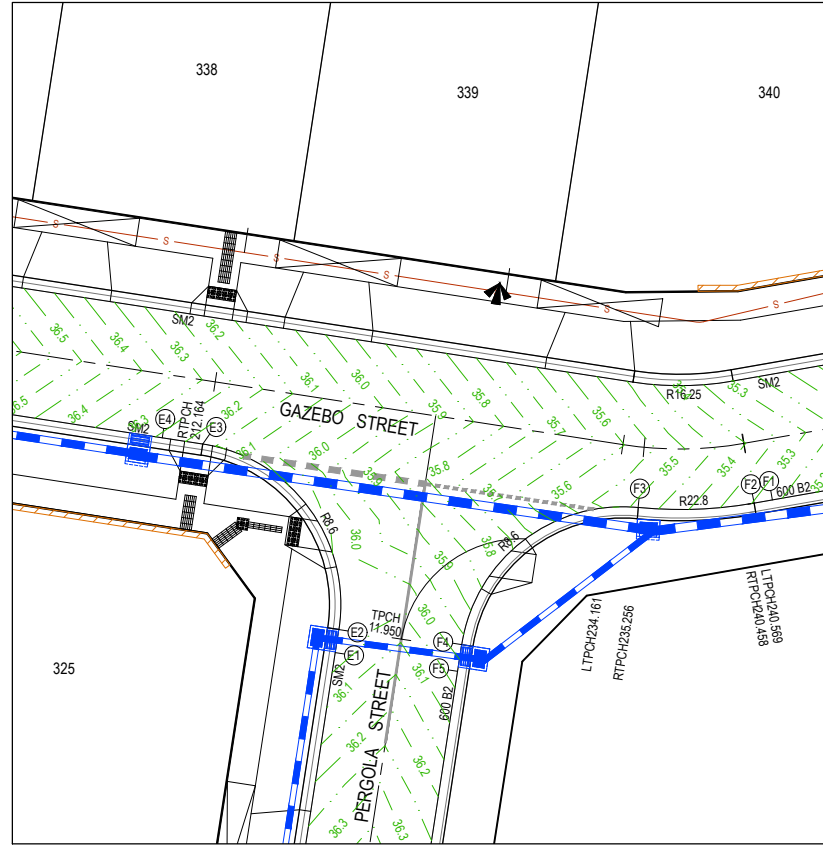


Designed: G.HASAN, 17.07.2023
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS, 07.08.2024
 Date: 07.08.2024
 Approved: N.MARTENS, PS0008272
 Reg. No.: PS0008272
 Date: 07.08.2024
 PS Number: PS915535H

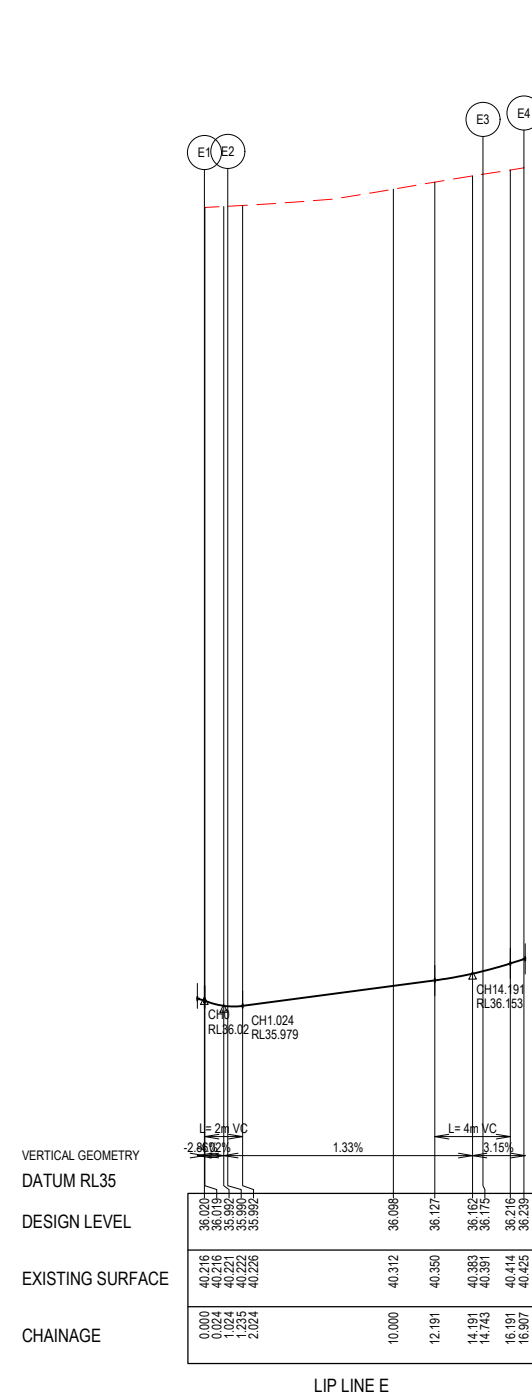
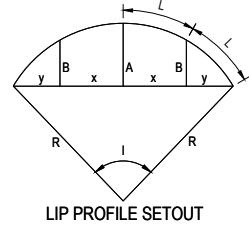
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 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE, STAGE 3, CARDINIA SHIRE COUNCIL
 Drawing Title: INTERSECTION DETAILS (SHEET 3 OF 5)

Sheet 32 of 43
 Scale: 1:200 H 1:20 V @ A1
 Project Ref: 1701814, Stage No: 03, Drawing No: 302, Rev: A



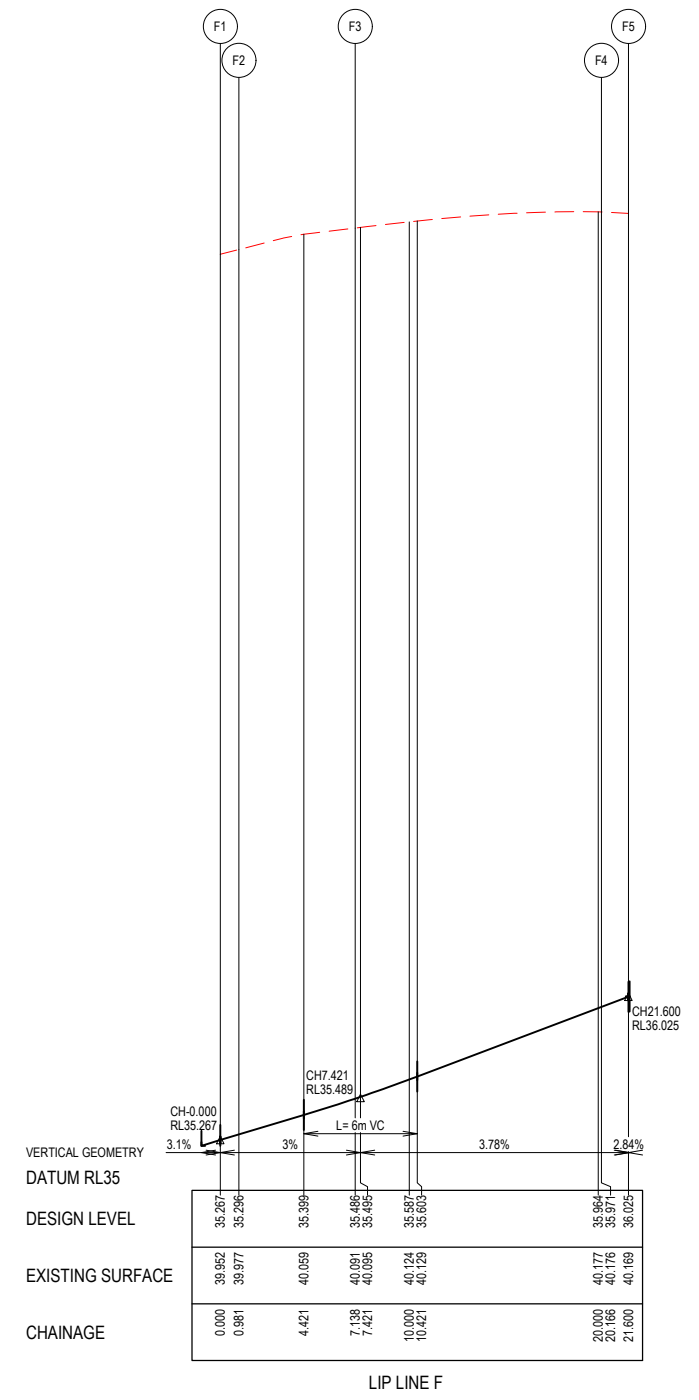
- LEGEND**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - MELBOURNE WATER DRAIN & PIT
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
 - HOUSE DRAIN
 - TACTILE PAVERS (INDICATIVE ONLY)
 - EXISTING HOUSE DRAIN
 - RETAINING WALL
 - PAVEMENT TREATMENT
 - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN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



LIP LINE E

Point no	Easting	Northing	RL
E1	9847.191	4301.031	36.020
E2	9847.378	4302.251	35.990
E3	9840.186	4312.059	36.175
E4	9838.047	4312.388	36.239

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
E2 - E3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.071



LIP LINE F

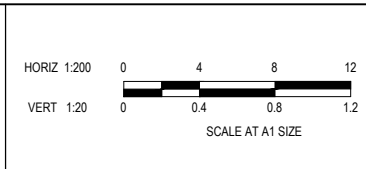
Point no	Easting	Northing	RL
F1	9870.314	4309.107	35.267
F2	9869.347	4308.938	35.296
F3	9863.214	4308.703	35.486
F4	9853.882	4301.451	35.971
F5	9853.664	4300.035	36.025

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
F2 - F3	15.471	22.800	6.156	0.207	0.156	1.538	1.531	1.539	35.389
F3 - F4	86.799	8.600	13.028	2.351	1.742	3.180	2.729	3.257	35.725

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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No: PS0008272
Date: 07.08.2024
PS Number: PSS15535H

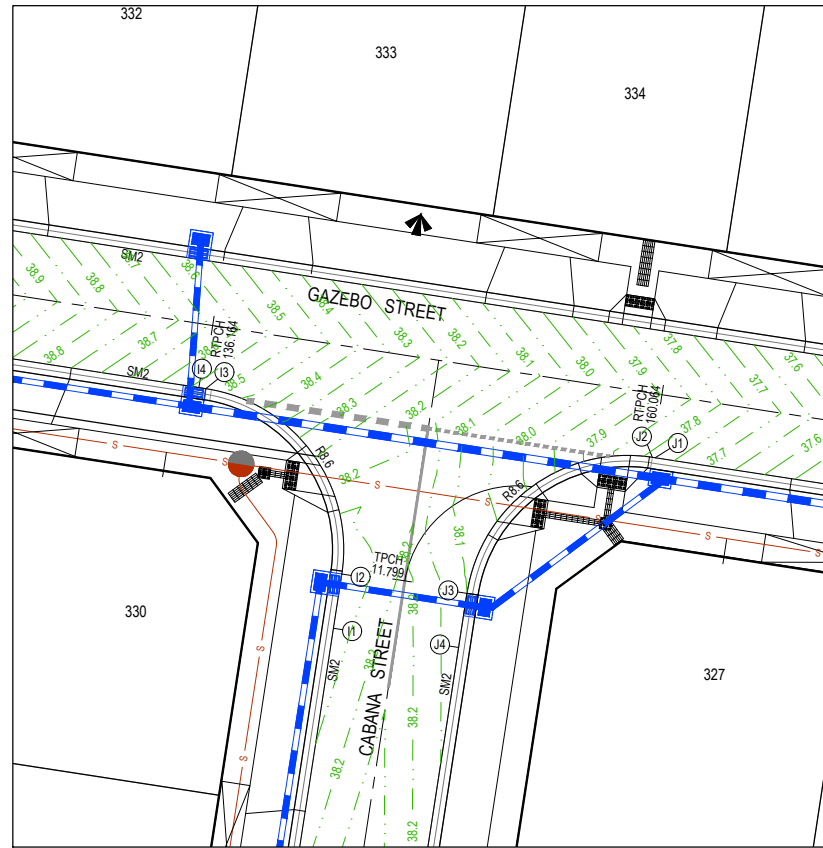
BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

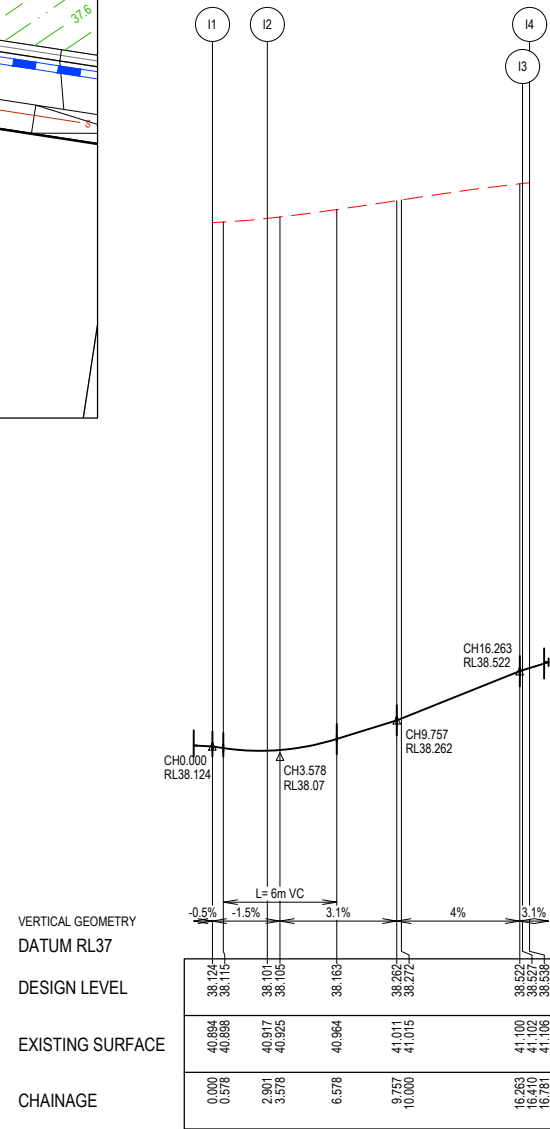
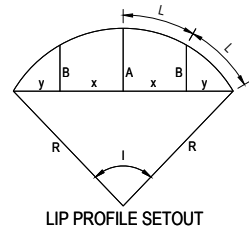
Drawing Title: INTERSECTION DETAILS
(SHEET 4 OF 5)

Sheet	33 of 43
Scale	1:200 H 1:20 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	303
Rev	A

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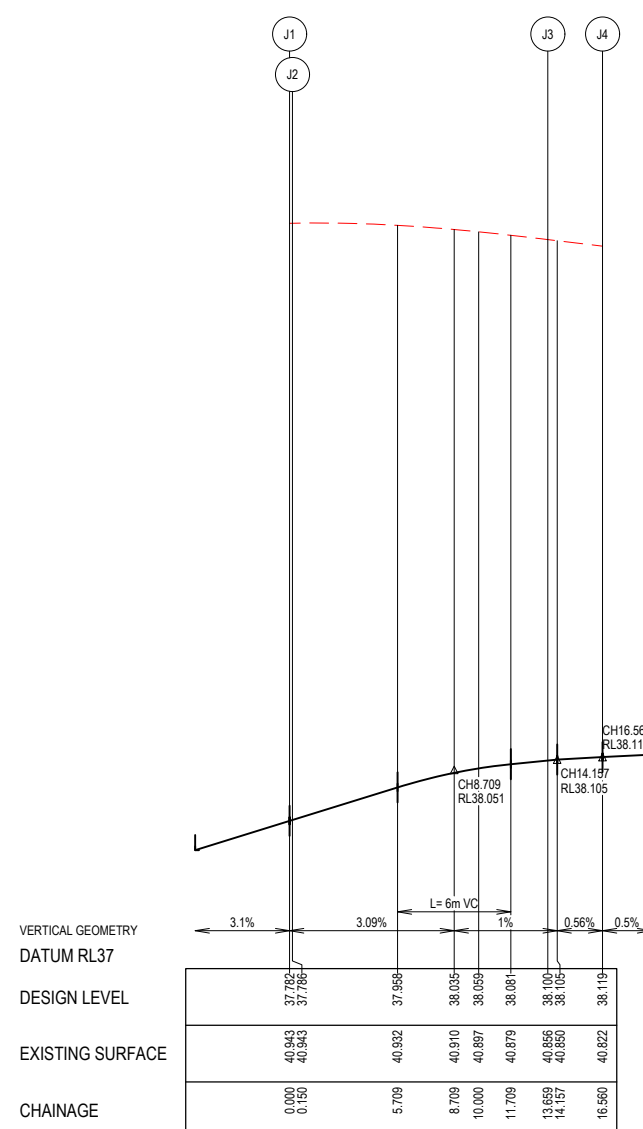
- LEGEND**
- STORMWATER DRAIN, PIT & PROPERTY INLET
 - MELBOURNE WATER DRAIN & PIT
 - SWALE DRAIN
 - SEWER & MAINTENANCE STRUCTURES
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 - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
 - LIMIT OF WORKS
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 - TEMPORARY BENCH MARK
 - PROPOSED DRIVEWAY



LIP LINE I

Point no	Easting	Northing	RL
I1	9771.821	4310.942	38.124
I2	9772.262	4313.809	38.101
I3	9765.070	4323.617	38.527
I4	9764.703	4323.674	38.538

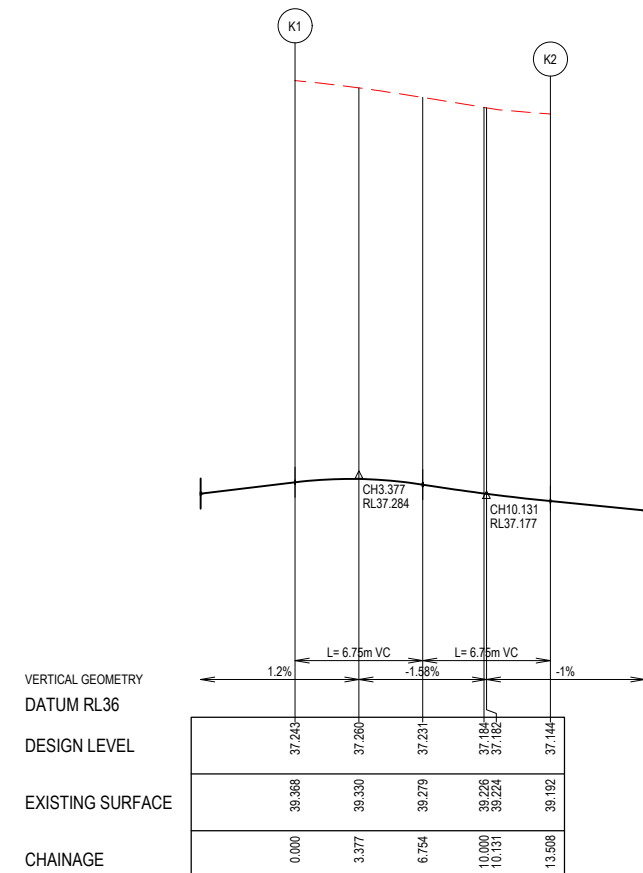
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
I2 - I3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	38.259



LIP LINE J

Point no	Easting	Northing	RL
J1	9789.841	4319.959	37.782
J2	9788.692	4319.982	37.786
J3	9778.885	4312.790	38.100
J4	9778.443	4309.923	38.119

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
J2 - J3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	37.993



LIP LINE K

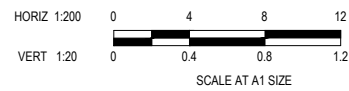
Point no	Easting	Northing	RL
K1	9843.516	4234.082	37.243
K2	9850.707	4224.275	37.144

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
K1 - K2	89.995	8.600	13.508	2.519	1.864	3.291	2.790	3.377	37.231

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN 17.07.2023
Date: M.F. JAURIGUE
Drawn: N.MARTENS 07.08.2024
Checked: N.MARTENS 07.08.2024
Date: PS0008272
Approved: N.MARTENS 07.08.2024
Date: PS15535H
PS Number: PS15535H

BW Beveridge Williams
Development & Infrastructure Consultants
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www.beveridgewilliams.com.au

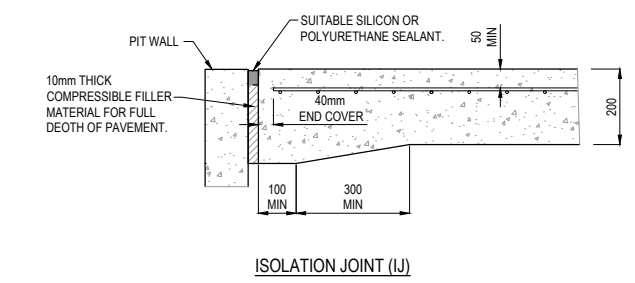
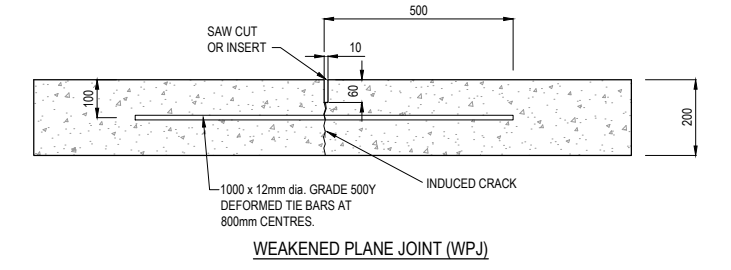
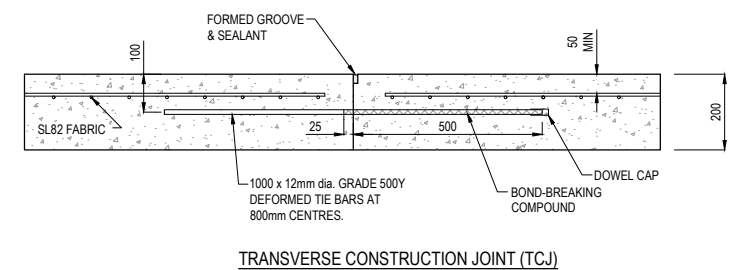
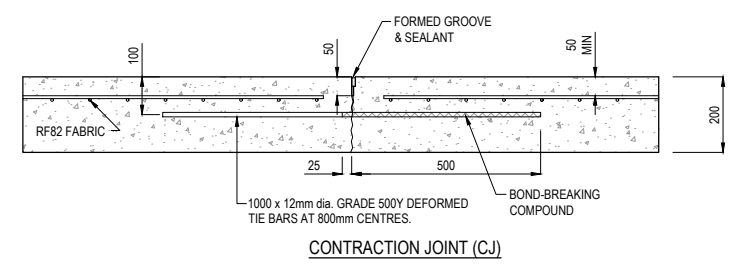
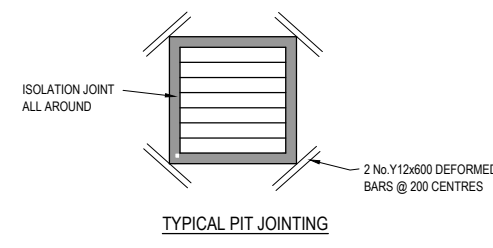
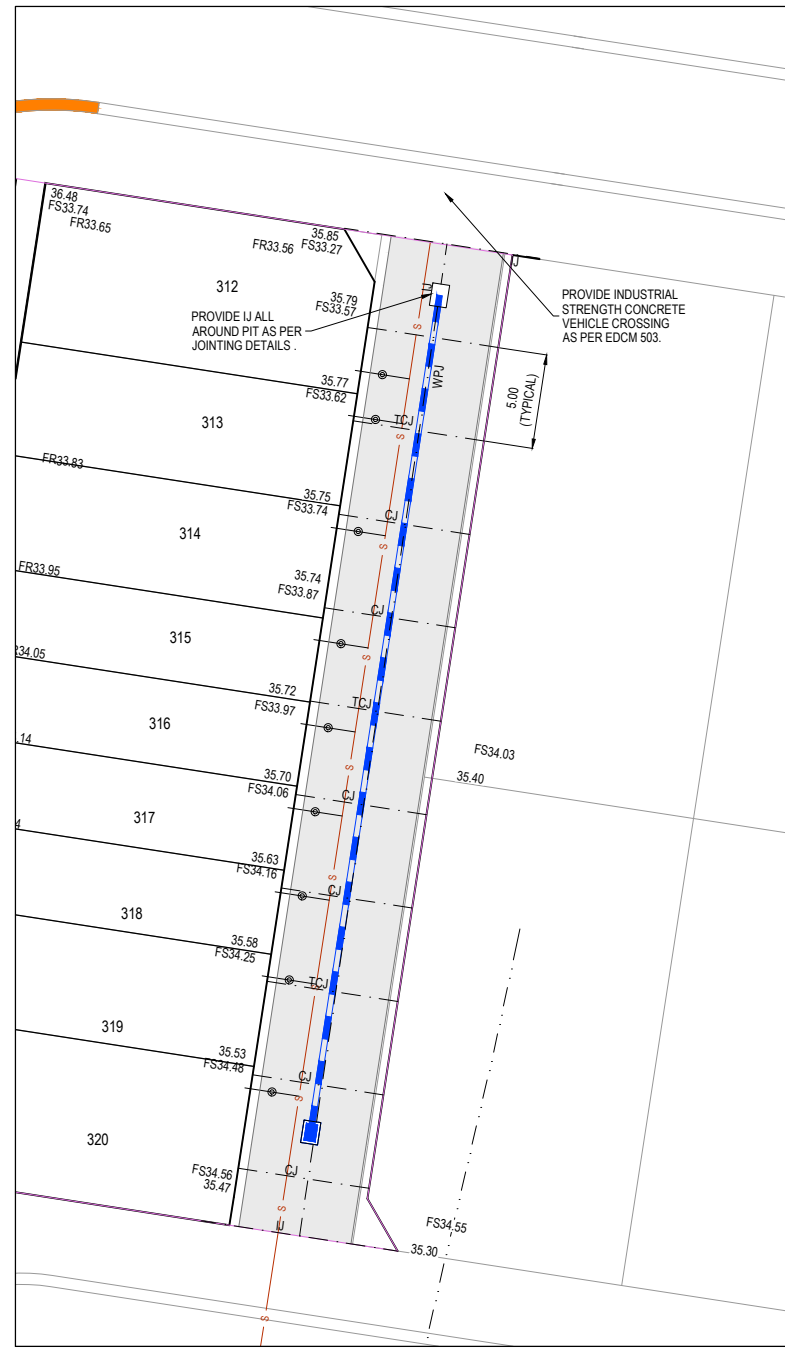
Project Details: MAPLE GROVE ESTATE STAGE 3 CARDINIA SHIRE COUNCIL
Drawing Title: INTERSECTION DETAILS (SHEET 5 OF 5)

Sheet 34 of 43

Scale: 1:200 H 1:20 V @ A1

Project Ref: 1701814
Stage No: 03
Drawing No: 304
Rev: A

B

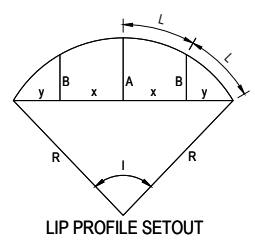


- CONCRETE JOINTING NOTES**
1. SAW JOINTS ARE TO BE PLACED AT A MAXIMUM 5m SPACING AT INTERSECTIONS AND CONSTRUCTED 18-24 HOURS AFTER POURING.
 2. TRANSVERSE/CONTRACTION JOINTS ARE TO BE PLACED AT A MAXIMUM SPACING OF 15m.
 3. ISOLATION JOINTS ARE TO BE PLACED AROUND PITS
 4. ALL JOINTS SHALL BE LOCATED AND SPACED IN ACCORDANCE WITH 'CEMENT AND CONCRETE ASSOCIATION OF AUSTRALIA T51- GUIDE TO RESIDENTIAL STREET AND PATHS 2004'

CONCRETE JOINTING DETAILS
NOT TO SCALE

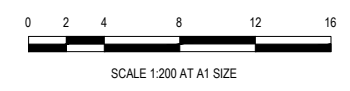
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
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- 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



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	LOT MIX UPDATED	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No.: PS0006272
Date: 07.08.2024
PS Number: PSS15535H

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Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL

Drawing Title: PATIO LANE DETAILS

Sheet	35 of 43
Scale	1:200 @ A1
Project Ref	1701814
Stage No	03
Drawing No	305
Rev	B

- NOTES**
- RRPM'S AT MAX 6m SPACING.
 - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 - LINEMARKING IN ACCORDANCE WITH AS1742.
 - TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.4.1-2009 & VICROADS SUPPLEMENTARY STANDARD TEM Vol 2 Part 2.23
 - 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.
 - EVERY LOT TO HAVE STREET NUMBER STAMPED ON KERB IN ACCORDANCE WITH COUNCIL REQUIREMENTS. CONTRACTOR TO OBTAIN LATEST STREET NUMBERING FROM SURVEY CONSULTANT PRIOR TO STAMPING.



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
B	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN
Date: 17.07.2023
Drawn: M.F. JAURIGUE
Checked: N.MARTENS
Date: 07.08.2024
Approved: N.MARTENS
Reg. No.: PS0006272
Date: 07.08.2024
PS Number: PSS15535H

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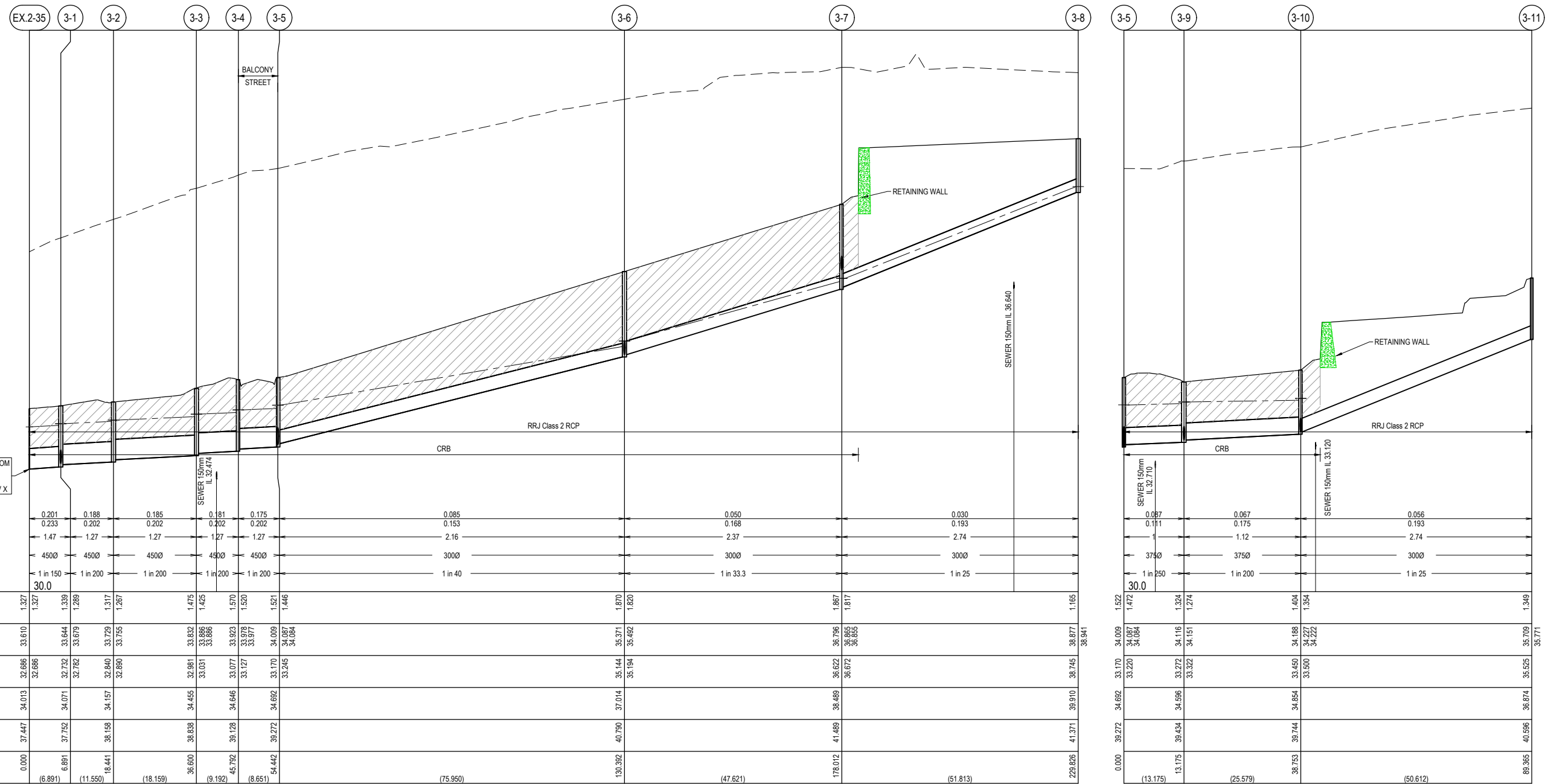
Project Details: MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL
Drawing Title: SIGNAGE & LINE MARKING PLANS

Sheet 36 of 43
Scale: 1:200 @ A1
Project Ref: 1701814
Stage No: 03
Drawing No: 350
Rev: B

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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 FCR BACKFILL



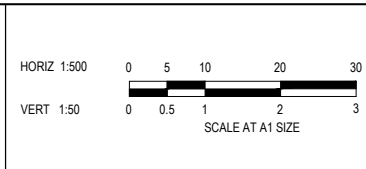
INVERT LEVEL SOURCED FROM BEVERIDGE WILLIAMS AS-CON PLANS DWG No. 1701814-02-402 REV X

DESIGN FLOW (m3/s)	0.201	0.188	0.185	0.181	0.175	0.085	0.050	0.030																							
CAPACITY (m3/s)	0.233	0.202	0.202	0.202	0.202	0.153	0.168	0.193																							
AT GRADE VELOCITY (m/s)	1.47	1.27	1.27	1.27	1.27	2.16	2.37	2.74																							
PIPE SIZE (mm)	4500	4500	4500	4500	4500	3000	3000	3000																							
PIPE GRADE	1 in 150	1 in 200	1 in 200	1 in 200	1 in 200	1 in 40	1 in 33.3	1 in 25																							
DATUM	30.0																														
DEPTH TO INVERT	1.327	1.327	1.339	1.289	1.317	1.267	1.475	1.425	1.475	1.425	1.570	1.520	1.521	1.446	1.870	1.820	1.867	1.817	1.165	1.522	1.477	1.324	1.274	1.404	1.354	1.349	1.349				
H.G.L.	33.610	33.686	33.644	33.679	33.729	33.755	33.632	33.031	33.096	33.066	33.077	33.127	33.075	33.077	35.144	35.371	36.796	36.865	36.865	38.877	38.944	33.220	33.972	34.116	34.151	34.188	34.227	34.222	35.709	35.771	
INVERT LEVEL	32.686	32.686	32.732	32.782	32.840	32.890	32.891	33.031	33.096	33.066	33.077	33.127	33.075	33.077	35.144	35.184	36.622	36.672	36.672	38.745	38.745	33.170	33.972	34.116	34.151	34.188	34.227	34.222	35.525	35.525	
FINISHED SURFACE	34.013	34.071	34.071	34.157	34.157	34.157	34.455	34.455	34.455	34.455	34.646	34.646	34.646	34.646	37.014	37.014	38.489	38.489	38.489	39.910	39.910	34.692	34.696	34.696	34.696	34.696	34.696	34.696	34.696	36.674	36.674
EXISTING SURFACE	37.447	37.752	37.752	38.158	38.158	38.158	38.838	38.838	38.838	38.838	39.128	39.128	39.128	39.128	40.790	40.790	41.489	41.489	41.489	41.371	41.371	39.272	39.434	39.434	39.434	39.434	39.434	39.434	39.434	40.596	40.596
PIPE CHAINAGE (Reach Length)	0.000	6.891	11.550	18.159	36.600	39.192	45.792	54.442	130.392	178.012	229.826	278.012	326.012	374.012	422.012	470.012	518.012	566.012	614.012	662.012	710.012	758.012	806.012	854.012	902.012	950.012	998.012	1046.012	1094.012	1142.012	1190.012

DESIGN FLOW (m3/s)	0.087	0.067	0.056
CAPACITY (m3/s)	0.111	0.175	0.193
AT GRADE VELOCITY (m/s)	1.12	2.74	2.74
PIPE SIZE (mm)	3750	3750	3000
PIPE GRADE	1 in 250	1 in 200	1 in 25
DATUM	30.0		
DEPTH TO INVERT	1.477	1.324	1.349
H.G.L.	34.084	34.116	34.222
INVERT LEVEL	32.710	33.322	33.500
FINISHED SURFACE	34.692	34.696	34.696
EXISTING SURFACE	39.272	39.434	39.434
PIPE CHAINAGE (Reach Length)	13.175	25.579	50.612

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN, 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS, 07.08.2024
 Approved: N.MARTENS, 07.08.2024
 PS Number: PSS15535H

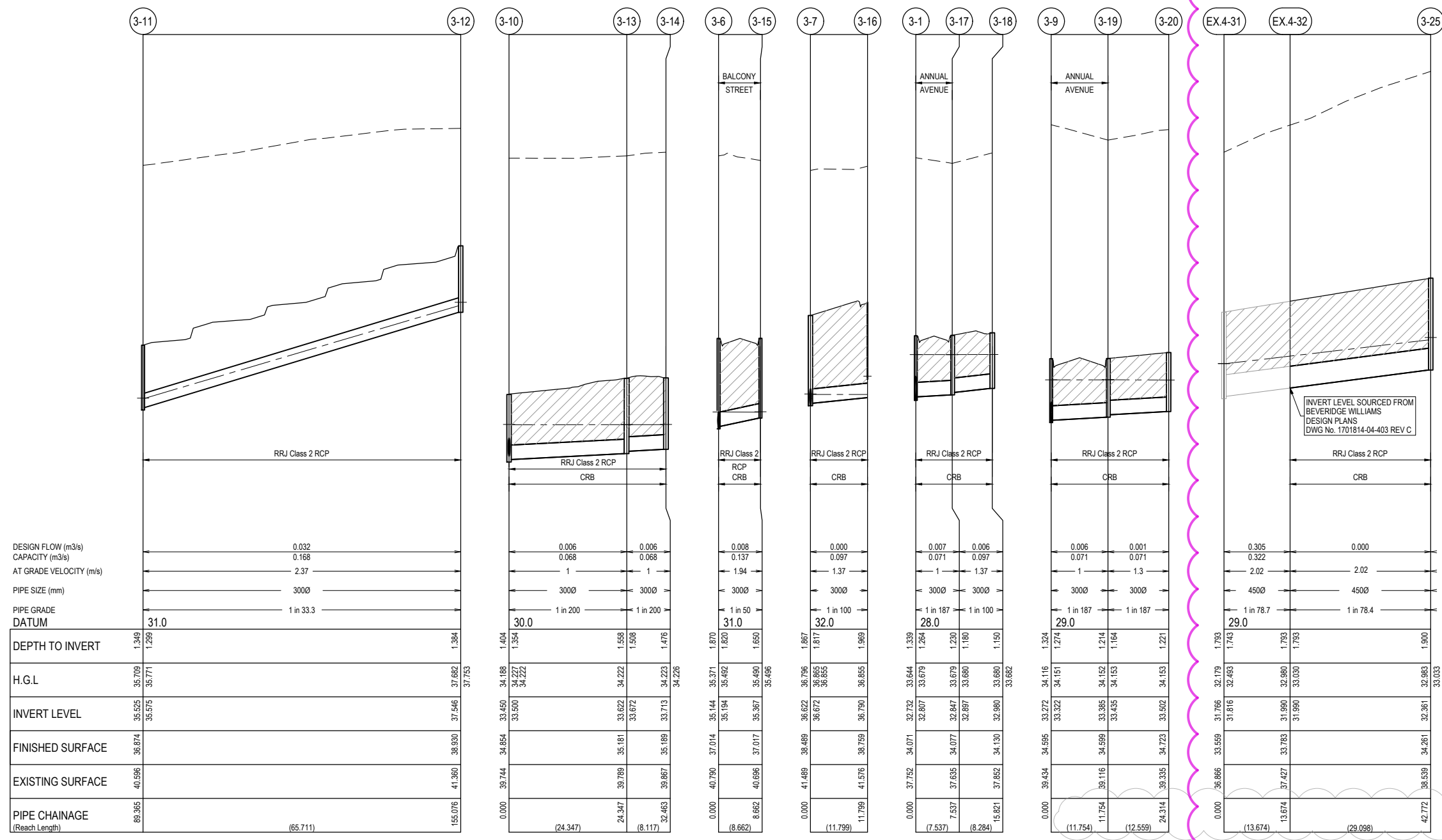
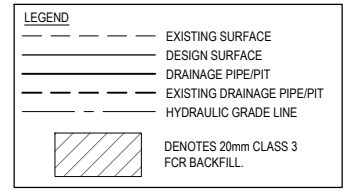
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 Development & Infrastructure Consultants
 1 Glenferrie Road, Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details: MAPLE GROVE ESTATE STAGE 3, CARDINIA SHIRE COUNCIL
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)

Sheet	37 of 43
Scale	1:500 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	400
Rev	A

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

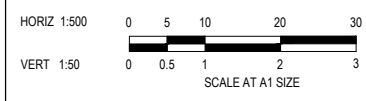


△ C

△ B

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
C	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
B	DRAFTING AMENDMENTS	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed: G.HASAN
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS
 Date: 07.08.2024
 Approved: N.MARTENS
 Reg. No.: PS0008272
 Date: 07.08.2024
 PS Number: PSS15535H

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Project Details: MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL

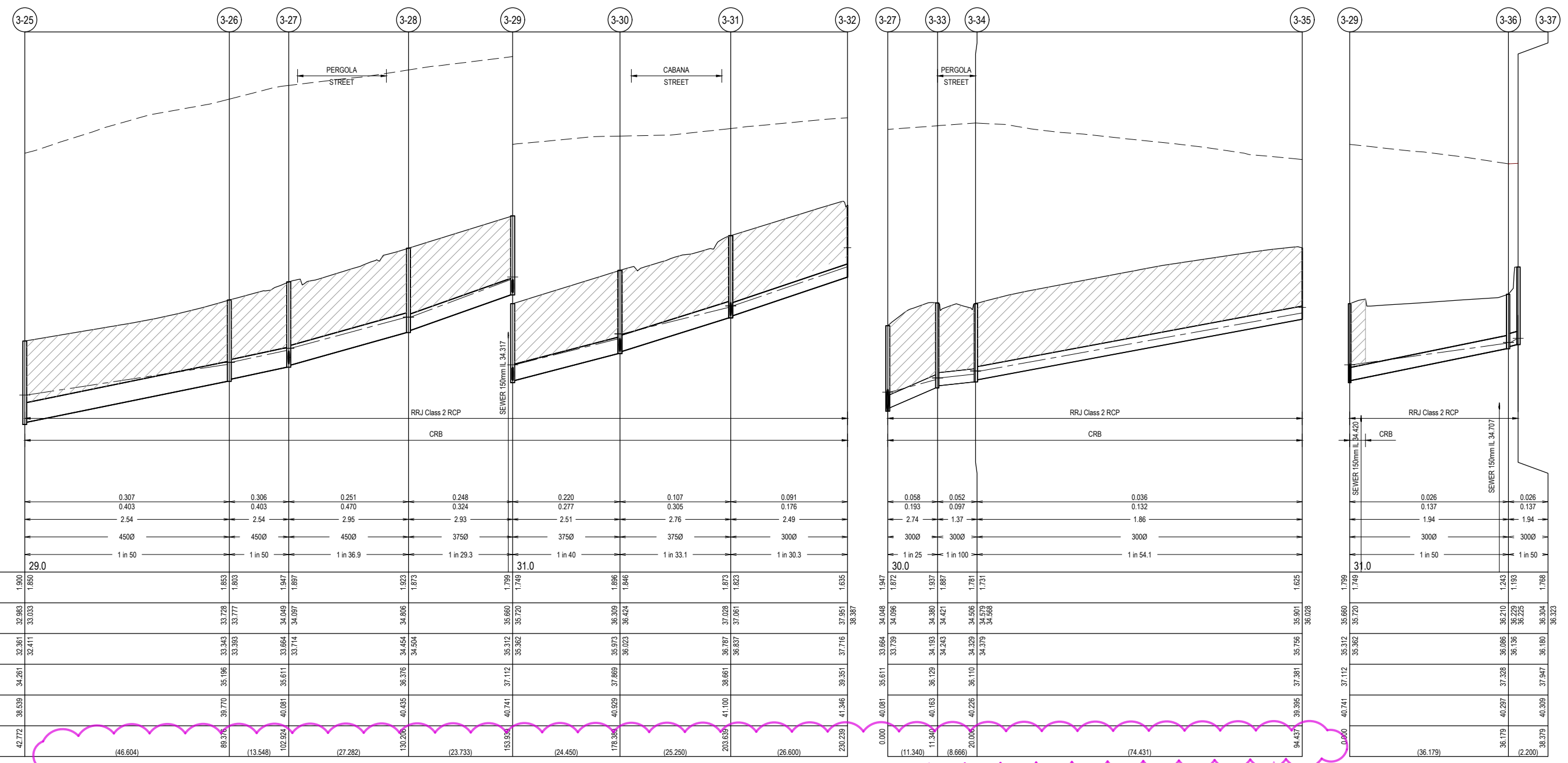
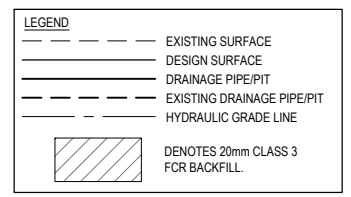
Drawing Title: DRAINAGE LONGITUDINAL SECTIONS
 (SHEET 2 OF 4)

Sheet 38 of 43
 Scale 1:500 H 1:50 V @ A1

Project Ref: 1701814
 Stage No: 03
 Drawing No: 401
 Rev: C

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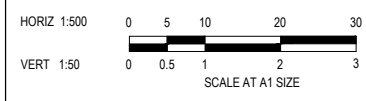
NOTES:
 ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



DESIGN FLOW (m3/s)	0.307	0.306	0.251	0.248	0.220	0.107	0.091	0.058	0.052	0.036	0.026	0.026
CAPACITY (m3/s)	0.403	0.403	0.470	0.324	0.277	0.305	0.176	0.193	0.097	0.132	0.137	0.137
AT GRADE VELOCITY (m/s)	2.54	2.54	2.95	2.93	2.51	2.76	2.49	2.74	1.37	1.86	1.94	1.94
PIPE SIZE (mm)	4500	4500	4500	3750	3750	3750	3000	3000	3000	3000	3000	3000
PIPE GRADE DATUM	29.0	1 in 50	1 in 50	1 in 36.9	1 in 29.3	1 in 40	1 in 33.1	1 in 25	1 in 100	1 in 54.1	1 in 50	1 in 50
DEPTH TO INVERT	1.900	1.863	1.853	1.823	1.799	1.749	1.635	1.947	1.872	1.731	1.625	1.625
H.G.L.	32.963	33.033	33.728	34.806	35.660	36.309	37.028	34.096	34.421	35.501	35.766	36.028
INVERT LEVEL	32.361	33.343	33.330	34.464	35.312	36.023	36.837	33.729	34.193	34.679	35.312	35.312
FINISHED SURFACE	34.261	35.196	35.611	36.376	37.112	37.869	38.661	36.129	36.243	36.110	37.208	37.208
EXISTING SURFACE	36.539	39.770	40.081	40.435	40.929	41.100	41.346	40.163	40.226	40.309	40.297	40.309
PIPE CHAINAGE (Reach Length)	42.772	(46.604)	(13.548)	(27.282)	(23.733)	(24.450)	(26.600)	(11.340)	(8.666)	(74.431)	(36.179)	(2.200)

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REV	DESCRIPTION	DATE	DRN.	APP.	REV.
B	DRAFTING AMENDMENTS	31.01.2025	HW	CD	
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM	



Designed: G.HASAN
 Date: 17.07.2023
 Drawn: M.F. JAURIGUE
 Checked: N.MARTENS
 Date: 07.08.2024
 Approved: N.MARTENS
 Reg. No.: PS0006272
 Date: 07.08.2024
 PS Number: PSS15535H

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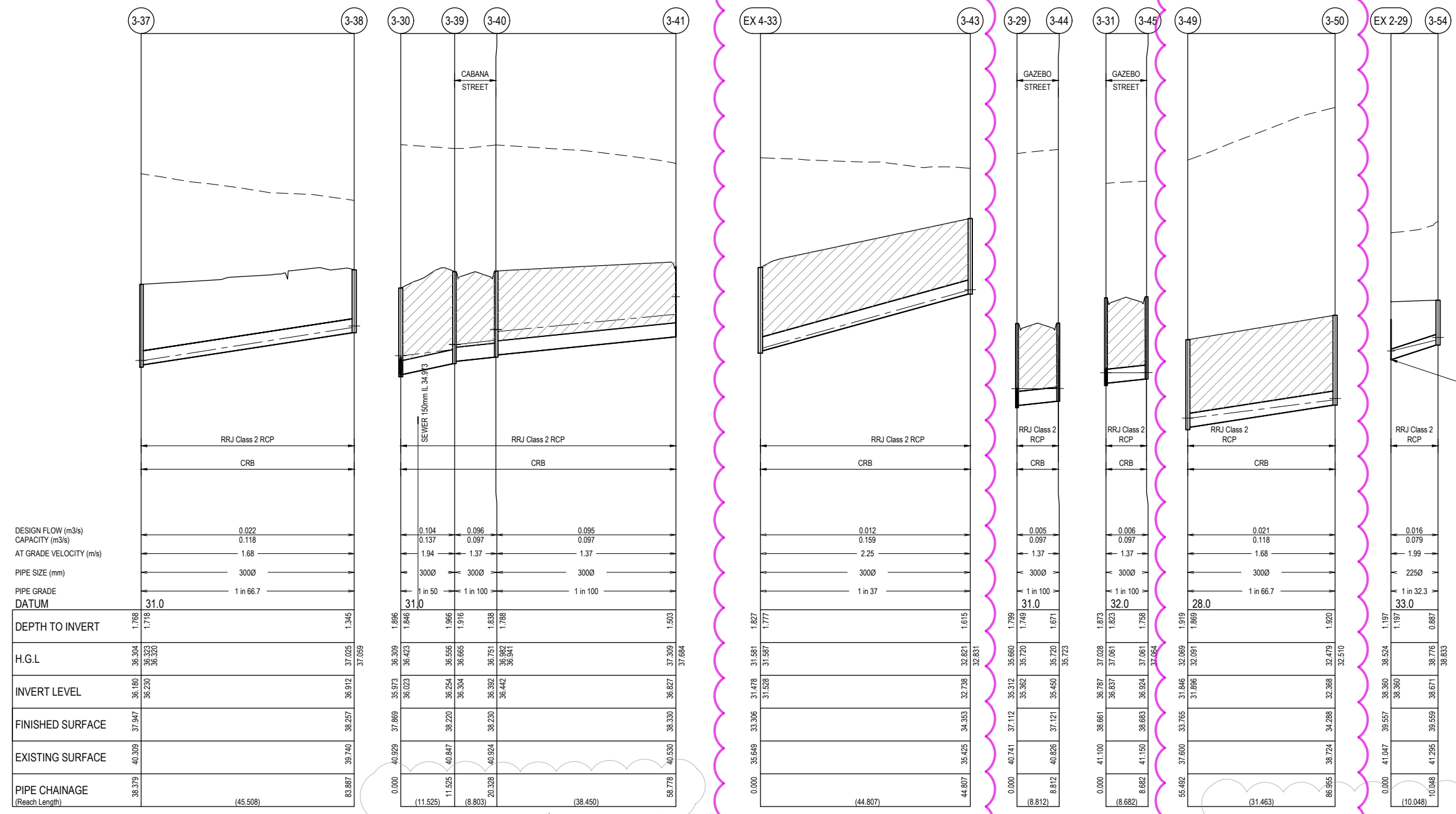
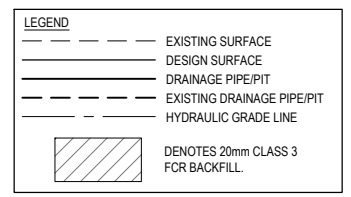
Project Details: MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL

Drawing Title: DRAINAGE LONGITUDINAL SECTIONS
 (SHEET 3 OF 4)

Sheet 39 of 43
 Scale 1:500 H 1:50 V @ A1

Project Ref: 1701814
 Stage No: 03
 Drawing No: 402
 Rev: B

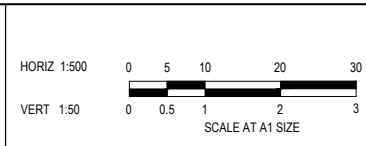
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DESIGN FLOW (m3/s)	0.022
CAPACITY (m3/s)	0.118
AT GRADE VELOCITY (m/s)	1.68
PIPE SIZE (mm)	300Ø
PIPE GRADE	1 in 66.7
DATUM	31.0
DEPTH TO INVERT	1.768
H.G.L.	36.304
INVERT LEVEL	36.180
FINISHED SURFACE	37.947
EXISTING SURFACE	40.309
PIPE CHAINAGE (Reach Length)	38.379

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REV	DESCRIPTION	DATE	DRN.	APP.	REV
C	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD	
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Project Details
 MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL

Drawing Title
 DRAINAGE LONGITUDINAL SECTIONS
 (SHEET 4 OF 4)

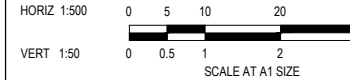
Sheet	40 of 43
Scale	1:500 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	403
Rev	C

C

PIT SCHEDULE													
PIT NAME	PIT TYPE	PIT EASTING	PIT NORTHING	INTERNAL		INLET		OUTLET		F.S.L	DEPTH (m)	PIT DETAIL	REMARKS
				WIDTH (mm)	LENGTH (mm)	AMETER (mm)	INLET R.L (mm)	DIA.	INV R.L (m)				
Ex 2-35	Ex ENDDPIPE					450	32.686			34.013	1.327		CONNECT TO EXISTING ENDDPIPE AT IL 32.686
3-1	SIDE ENTRY PIT	9899.367	4427.702	600(T) 750(B)	900(T) 900(B)	450	32.782	450	32.732	34.071	1.339	EDCM 603	HAUNCHED IN NATURE STRIP
3-2	SIDE ENTRY PIT	9895.517	4416.812	600(T) 750(B)	900(T) 900(B)	450	32.89	450	32.840	34.157	1.317	EDCM 601	HAUNCHED IN NATURE STRIP
3-3	JUNCTION PIT	9892.756	4398.864	600(T) 750(B)	900(T) 900(B)	450	33.031	450	32.981	34.455	1.475	EDCM 605	HAUNCHED IN NATURE STRIP
3-4	GRADED ENTRY PIT	9885.099	4393.779	600(T) 600(B)	900(T) 1050(B)	450	33.127	450	33.077	34.646	1.570	EDCM 603	HAUNCHED IN NATURE STRIP
3-5	GRADED ENTRY PIT	9883.718	4385.239	600	900	300	33.245	450	33.170	34.690	1.521	EDCM 603	
3-6	GRADED ENTRY PIT	9808.662	4396.789	600	900	300	35.194	300	35.144	37.014	1.870	EDCM 603	
3-7	GRADED ENTRY PIT	9761.564	4404.036	600	900	300	36.672	300	36.622	38.489	1.867	EDCM 603	
3-8	JUNCTION PIT	9753.709	4352.837	600	900	300	33.322	300	33.272	39.910	1.165	EDCM 605	
3-9	SIDE ENTRY PIT	9888.792	4373.105	600(T) 750(B)	900(T) 900(B)	375	33.322	375	33.272	34.595	1.323	EDCM 601	
3-10	GRADED ENTRY PIT	9884.902	4347.824	600	900	300	33.500	375	33.450	34.854	1.404	EDCM 601	
3-11	JUNCTION PIT	9834.868	4355.523	600	900	300	35.575	300	35.525	36.874	1.349	EDCM 605	
3-12	JUNCTION PIT	9769.932	4365.515	600	900	300	37.546	300	37.546	38.930	1.384	EDCM 605	
3-13	JUNCTION PIT	9881.199	4323.761	600	900	300	33.672	300	33.622	35.181	1.558	EDCM 605	
3-14	GRADED ENTRY PIT	9875.724	4317.769	600	900	300	33.713	300	33.713	35.189	1.476	EDCM 603	
3-15	GRADED ENTRY PIT	9809.514	4405.409	600	900	300	35.367	300	35.367	37.017	1.650	EDCM 603	
3-16	END PIPE	9749.927	4405.842					300	36.790	38.759	1.969		BLANKED OFF END PIPE FOR FUTURE EXTENSION.
3-17	SIDE ENTRY PIT	9906.670	4425.849	600	900	300	32.897	300	32.847	34.077	1.230	EDCM 603	
3-18	SIDE ENTRY PIT	9907.580	4417.615	600	900	300	32.980	300	32.980	34.130	1.150	EDCM 601	
3-19	SIDE ENTRY PIT	9900.455	4371.311	600	900	300	33.435	300	33.385	34.599	1.214	EDCM 601	
3-20	JUNCTION PIT	9898.545	4358.898	600	900	300	33.502	300	33.502	34.723	1.221	EDCM 605	
Ex 4-31	GRADED ENTRY PIT	9965.251	4324.651	600(T) 750(B)	900(T) 900(B)	450	31.816	450	31.766	33.559	1.793	EDCM 601	HAUNCHED IN NATURE STRIP
Ex 4-32	END PIPE					450	31.990			33.783	1.793		CONNECT EX ENDDPIPE AT IL 32.686
3-25	GRADED ENTRY PIT	9923.080	4317.420	600(T) 750(B)	900(T) 900(B)	450	32.411	450	32.361	34.261	1.900	EDCM 601	HAUNCHED IN NATURE STRIP
3-26	GRADED ENTRY PIT	9877.215	4309.248	600(T) 750(B)	900(T) 900(B)	450	33.393	450	33.343	35.196	1.853	EDCM 601	HAUNCHED IN NATURE STRIP
3-27	JUNCTION PIT	9863.754	4307.603	600(T) 750(B)	900(T) 900(B)	450	33.714	450	33.664	35.611	1.947	EDCM 605	HAUNCHED IN NATURE STRIP
3-28	GRADED ENTRY PIT	9836.748	4311.525	600(T) 750(B)	900(T) 900(B)	375	34.504	450	34.454	36.376	1.923	EDCM 603	HAUNCHED IN NATURE STRIP
3-29	GRADED ENTRY PIT	9813.291	4315.135	600	900	375	35.362	375	35.312	37.112	1.799	EDCM 603	
3-30	JUNCTION PIT	9789.126	4318.853	600	900	375	36.023	375	35.973	37.869	1.896	EDCM 605	
3-31	GRADED ENTRY PIT	9764.192	4322.839	600	900	300	36.837	375	36.787	38.661	1.873	EDCM 603	
3-32	END PIPE	9737.902	4326.884					300	37.716	39.351	1.635		BLANKED OFF END PIPE FOR FUTURE EXTENSION.
3-33	GRADED SIDE ENTRY PIT	9854.829	4300.699	600	900	300	34.243	300	34.193	36.129	1.937	EDCM 601	
3-34	GRADED SIDE ENTRY PIT	9846.249	4301.817	600	900	300	34.379	300	34.329	36.110	1.781	EDCM 603	
3-35	END PIPE	9834.930	4228.250					300	35.756	37.381	1.625		BLANKED OFF END PIPE FOR FUTURE EXTENSION.
3-36	JUNCTION PIT	9807.789	4279.377	600	900	300	36.136	300	36.086	37.328	1.243	EDCM 605	
3-37	JUNCTION PIT	9805.613	4279.710	600	900	300	36.230	300	36.180	37.946	1.768	EDCM 605	
3-38	JUNCTION PIT	9798.694	4234.732	600	900	300	36.912	300	36.912	38.257	1.345	EDCM 605	
3-39	GRADED SIDE ENTRY PIT	9779.832	4312.037	600	900	300	36.304	300	36.254	38.220	1.966	EDCM 603	
3-40	GRADED ENTRY PIT	9771.132	4313.376	600	900	300	36.442	300	36.392	38.230	1.838	EDCM 603	
3-41	END PIPE	9765.281	4275.374					300	36.827	38.330	1.503		BLANKED OFF END PIPE FOR FUTURE EXTENSION.
Ex 4-33	GRADED ENTRY PIT	9993.185	4316.376	600	900	300	31.528	300	31.478	33.306	1.827	EDCM 603	
3-43	JUNCTION PIT	9986.370	4272.090	600	900	300	32.738	300	32.738	34.353	1.615	EDCM 605	PROVIDE CLASS D LOAD RATED LID
3-44	GRADED ENTRY PIT	9814.612	4323.835	600	900	300	35.450	300	35.450	37.121	1.671	EDCM 603	
3-45	GRADED ENTRY PIT	9764.804	4331.499	600	900	300	36.924	300	36.924	38.683	1.758	EDCM 603	
Ex 4-15	GRADED ENTRY PIT	9949.570	4330.690	600	900	300	31.896	300	31.846	33.765	1.919	EDCM 603	
3-50	GRADED ENTRY PIT	9918.578	4325.268	600	900	300	32.368	300	32.368	34.288	1.920	EDCM 603	
Ex 2-29	END PIPE	9756.403	4442.670			225	38.360			39.557	1.197		CONNECT TO EXISTING ENDDPIPE AT IL 38.34
3-54	JUNCTION PIT	9754.875	4432.739	600	900	225	38.671	225	38.671	39.559	0.887	EDCM 605	

ISSUED FOR CONSTRUCTION

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C	PIT SCHEDULE UPDATED	26.03.2025	HW	CD							
B	DRAFTING AMENDMENTS	31.01.2025	HW	CD							
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM							
REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP		



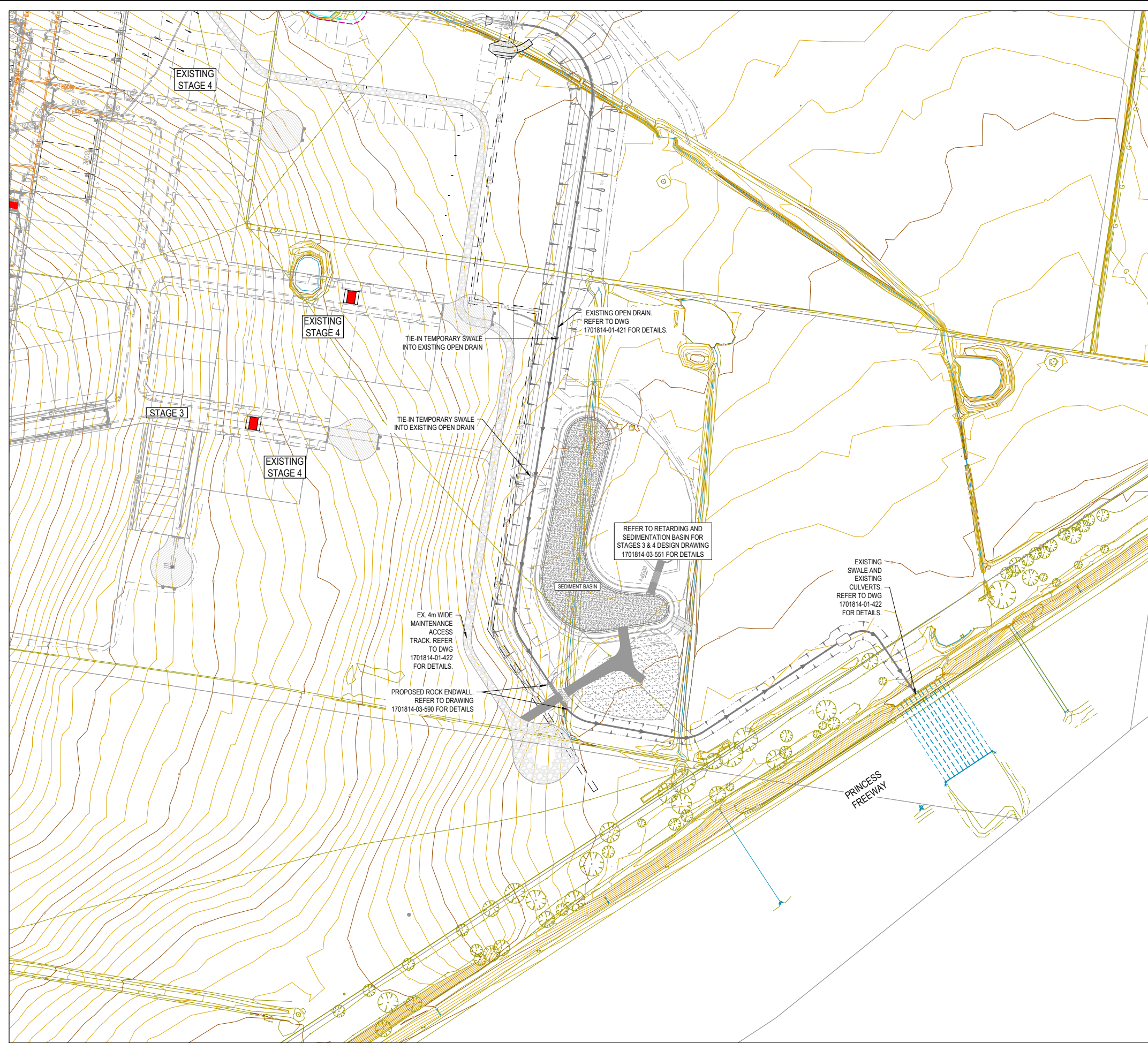
Designed: G.HASAN 17.07.2023
 Date: M.F. JAURIGUE
 Drawn: N.MARTENS 07.08.2024
 Checked: N.MARTENS 07.08.2024
 Approved: N.MARTENS PS0002072
 Date: 07.08.2024
 PS Number: PSS15535H

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Project Details: MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL

Drawing Title: PIT SCHEDULE

Sheet	41 of 43
Scale	1:500 H 1:50 V @ A1
Project Ref	1701814
Stage No	03
Drawing No	404
Rev	C



LEGEND

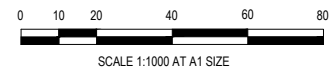
- SEDIMENT BASIN CONCRETE BASE
- DRY OUT AREA - GRASSED AREA
- 4m WIDE REINFORCED CONCRETE ACCESS TRACK
- 4m WIDE REINFORCED CONCRETE PATH ROCKWORK
- DRAINAGE RESERVE BOUNDARY
- DRAINAGE RESERVE BANK LINE
- NATURAL WATER SURFACE LEVEL
- EXTENDED DETENTION DEPTH LEVEL
- 1% AEP FLOOD EXTENT FOR INTERIM RB
- FLOW ARROW
- STORMWATER DRAIN & PIT
- MW SCHEME DRAIN (03 TO 04) ST13 R&D PLANS
- EXISTING DRAINAGE
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING MELBOURNE WATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- RIDGE LINE
- RETAINING WALL
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- EX. STRUCTURAL FILL > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- 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
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)

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
BEFORE YOU DIG
 www.byda.com.au

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					



Designed G.HASAN 17.07.2023
 Drawn M.F. JAURIGUE
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 Approved N.MARTENS PS0008272
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 PS Number PS915535H

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Project Details
 MAPLE GROVE ESTATE
 STAGE 3
 CARDINIA SHIRE COUNCIL

Drawing Title
 OUTFALL OPEN DRAIN

Sheet 42 of 43

Scale
 1:1000 @ A1

Project Ref Stage No Drawing No Rev
 1701814 03 420 A

C

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C	STAGE BOUNDARY UPDATED	26.03.2025	HW	CD					
B	LOT MIX UPDATED	31.01.2025	HW	CD					
A	ISSUED FOR CONSTRUCTION	18.12.2024	HW	NM					

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Project Details
MAPLE GROVE ESTATE
STAGE 3
CARDINIA SHIRE COUNCIL
Drawing Title
PLAN OF SUBDIVISION

Sheet	43 of 43						
Scale	NOT TO SCALE						
Project Ref	1701814	Stage No	03	Drawing No	450	Rev	C