

# SMITHS LANE - STAGE 31

## MIRVAC

### CITY OF CASEY

**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

#### CONSTRUCTION NOTES

##### SITE MANAGEMENT

- A1. Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & Safety Act 2004, including all relevant regulations, have been addressed. In particular, the required notifications must be conveyed to the Victorian Workcover Authority - Health & Safety division with respect to trenching operations. Details of the contractors occupational health & safety procedures must be lodged with the superintendent prior to commencement of works.
- A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer. A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from the City of Casey landscape approvals officer.
- A3. Existing dam or watercourses to be excavated to a firm base & backfilled as specified. Consulting engineer to be notified when the dam or watercourses are excavated to a firm base. No filling is to be placed prior to dams being inspected & levels taken. Backfilling is to be carried out to the satisfaction of the Council supervising engineer.
- A4. Prior to commencement of works, the contractor must submit a Site Management Plan (SMP) to the consultant for approval. The contractor must comply with the recommendations of the Environment Protection Authority publication No.275 "Construction techniques for sediment pollution control". Appropriate siltation control is to be maintained throughout the construction & maintenance period of the works.
- A5. Provide temporary safety barrier fence (Farm Fence as per MW Std Dwg 7251/4/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage is installed.
- A6. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3
- A7. Fourteen days prior to the start of development, a site specific Environmental Management Plan (site EMP) must be submitted and approved by responsible authority. All works must be undertaken in accordance with the approved site EMP to the satisfaction of the responsible authority.

##### GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey current specification & standard drawings & to the satisfaction of the City of Casey 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 (2007) & undertake safety precautions in trenching operations in accordance with Workover's code of practice (1988).
- B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of Casey 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-installment 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.
- B10. Prior to works around overhead and underground electricity assets, A No Go Zones (NGZ) request must be made to the relative authority. The conditions of the assessment must be done to AusNet's satisfaction.
- B11. All concrete and construction material must comply with AS 2159-2009 and AS 3600-2009
- B12. As-constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.
- B13. A traffic management plan (TMP) must be submitted to, and approved by Council prior to the commencement of any works on site and all traffic management must be carried out in accordance with TMP.

##### 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 conduct by Tonkin & Taylor, 1007259.1.R1. 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 & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater systems & natural waterways.

- C4. Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise.
- C5. Cut batters are to be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsion.
- C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.
- C7. Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.
- C8. The water conduit offset from the lot boundary is given on the water reticulation plan. The contractor must construct conduits to accord with the given offset & ensure that the concrete marks the kerb & footpath exactly above the conduit.
- C9. Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be marked using a green dot spray painted on the top of kerb.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard drawing EDCM 401.
- C11. NBN Co to be notified seven (7) days prior to concrete works being placed.
- C12. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed around distribution pits to a minimum depth of 200mm.
- C13. All street signs to be constructed & erected to current City of Casey 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 (TGS) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4 : 2002 & MPA standard drawing EDCM 403.
- C20. If any existing substandard filling is encountered on the site it must be removed and replaced with approved fill material properly compacted to Council requirements. A geo-technical report must be submitted showing details of depth, type of material, and density of the fill areas concerned.
- C21. Temporary crushed rock turn around areas must be maintained in a safe and sound condition so that vehicles are able to use them at all times.
- C22. All Council reserves must be provided with connections for drainage, sewer, electricity and other services.

##### DRAINAGE

- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages. Centreline of pits at TP's to be offset 1.00m.
- D2. Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed to council specifications.
- D3. All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with external sealing bands. For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmented curves using splayed pipes with bandage joints, having deflections within the manufacturer's specification.
- D4. All pipes to be Class 'Z' R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified.
- D5. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers.
- D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 - EDCM 704.
- D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.
- D8. A CCTV report must be provided for all drainage lines prior to issue of practical completion.

##### PAVEMENT

- E1. Modification of the pavement requires approval by the City of Casey works supervisor.
- E2. Pavement composition to include recycled materials approved by City of Casey works supervisor.

##### TBM SCHEDULE

TBM	EASTING	NORTHING	LEVEL	DESCRIPTION
MV206	9174.49	820810.25	18.200	RIVET
MV207	8974.69	80809.69	18.435	RIVET
MV7	9266.148	820869.95	18.170	STEEL PICKET
MV208	8776.108	80836.931	18.615	RIVET
MV52	9202.462	80579.198	16.775	SPIKE

#### DRAWING INDEX

DRAWING No.	TITLE	REVISION
1101438-31-001	COVER SHEET	F
1101438-31-002	TYPICAL ROAD CROSS SECTIONS	E
1101438-31-003	PAVEMENT MAKEUP	F
1101438-31-004	LOCAL AREA TRAFFIC MANAGEMENT TYPICAL DETAILS (SHEET 1 OF 2)	E
1101438-31-005	LOCAL AREA TRAFFIC MANAGEMENT TYPICAL DETAILS (SHEET 2 OF 2)	F
1101438-31-006	RETAINING WALL DETAILS	E
1101438-31-010	LAYOUT PLAN (SHEET 1 OF 2)	F
1101438-31-011	LAYOUT PLAN (SHEET 2 OF 2)	F
1101438-31-012	JETWISE WETLAND PHASE 1B	E
1101438-31-100	ROAD LONGITUDINAL SECTIONS HARDYS ROAD	E
1101438-31-101	ROAD LONGITUDINAL SECTIONS AUSTRALIS DRIVE & BURNBANK PARADE	F
1101438-31-102	ROAD LONGITUDINAL SECTIONS WINSLET ROAD & MORLEY STREET	E
1101438-31-103	ROAD LONGITUDINAL SECTIONS ROCKFIELD CIRCUIT & LANARK STREET	E
1101438-31-104	ROAD LONGITUDINAL SECTIONS BANTRY ROAD & LOAM STREET	E
1101438-31-105	ROAD LONGITUDINAL SECTIONS HAY STREET & REPENS LANE	E
1101438-31-200	ROAD CROSS SECTIONS HARDYS ROAD (SHEET 1 OF 3)	E
1101438-31-201	ROAD CROSS SECTIONS HARDYS ROAD (SHEET 2 OF 3)	E
1101438-31-202	ROAD CROSS SECTIONS HARDYS ROAD (SHEET 3 OF 3)	E
1101438-31-203	ROAD CROSS SECTIONS AUSTRALIS DRIVE (SHEET 1 OF 4)	E
1101438-31-204	ROAD CROSS SECTIONS AUSTRALIS DRIVE (SHEET 2 OF 4)	E
1101438-31-205	ROAD CROSS SECTIONS AUSTRALIS DRIVE (SHEET 3 OF 4)	E
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1101438-31-207	ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 1 OF 2)	E
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1101438-31-209	ROAD CROSS SECTIONS WINSLET ROAD	E
1101438-31-210	ROAD CROSS SECTIONS MORLEY STREET (SHEET 1 OF 2)	E
1101438-31-211	ROAD CROSS SECTIONS MORLEY STREET (SHEET 2 OF 2)	E
1101438-31-212	ROAD CROSS SECTIONS ROCKFIELD CIRCUIT (SHEET 1 OF 2)	E
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1101438-31-216	ROAD CROSS SECTIONS HAY STREET	E
1101438-31-217	ROAD CROSS SECTIONS KATENA WAY	E
1101438-31-218	ROAD CROSS SECTIONS REPENS LANE	E
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1101438-31-302	INTERSECTION DETAILS (SHEET 3 OF 9)	E
1101438-31-303	INTERSECTION DETAILS (SHEET 4 OF 9)	F
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1101438-31-409	PIT SCHEDULE (SHEET 2 OF 2)	F
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1101438-31-461	PASSIVE IRRIGATION ROAD RUNOFF DETAIL	F
1101438-31-462	PASSIVE IRRIGATION LOT RUNOFF DETAIL	F



#### SITE PLAN

NOT TO SCALE  
 MELWAY REF: 135K5

#### SURVEY ORIGIN

PM 77  
 SMITHS LANE  
 RL 26.472  
 MGA Coords MGA Truncated  
 E 355437.418 E 5437.424  
 N 5782726.650 N 82726.644

COORDINATES ARE ON A LOCAL PLANE DATUM BASED UPON MGA ZONE 55 BEARINGS AND TRUNCATED COORDINATES AT PM77. THE SMES AHD VALUE FOR PM67 (RL27.221) HAS BEEN ADOPTED FOR OUR AHD LEVEL DATUM.

FOR CONVERSION TO MGA94 ZONE 55 COORDINATES. FOR PLANE SHIFT ADD +349,999.994 TO EASTINGS AND +5,700,000.006 TO NORTHINGS. FOR SCALE FACTOR MULTIPLY BY 0.999846 AT PM77

**FOR CONSTRUCTION**

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E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

**SMITHS LANE**  
 CLYDE NORTH



SCALE 1:5000 AT A1 SIZE

Designed L.MURRAY  
 Date 24.04.2024  
 Drawn G.N. / MF.J.  
 Checked S.FALKENSTEIN  
 Date 09.05.2024  
 Approved S.FALKENSTEIN  
 Reg. No. PE01016296  
 Date 09.05.2024  
 PS Number PS921351J

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 Malvern VIC 3144  
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Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY  
 Drawing Title  
 COVER SHEET

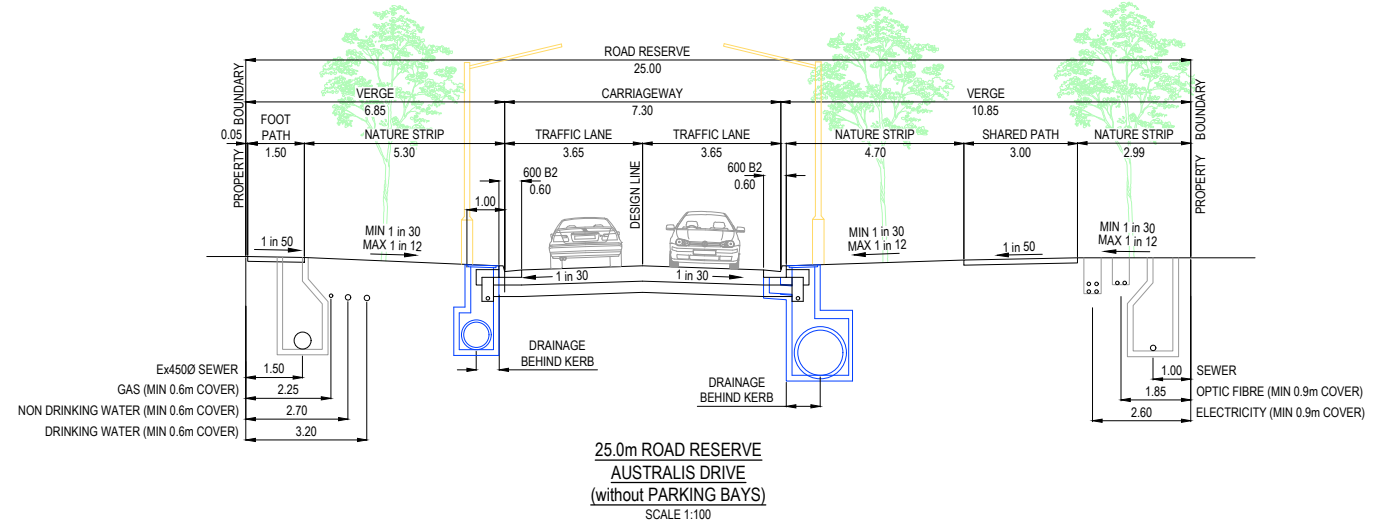
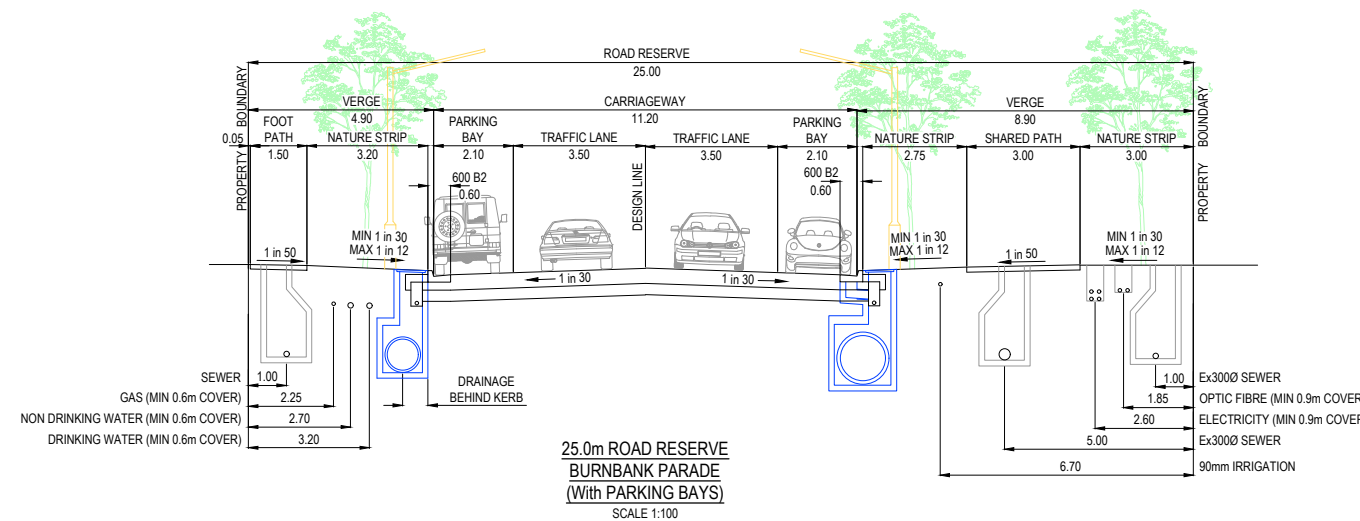
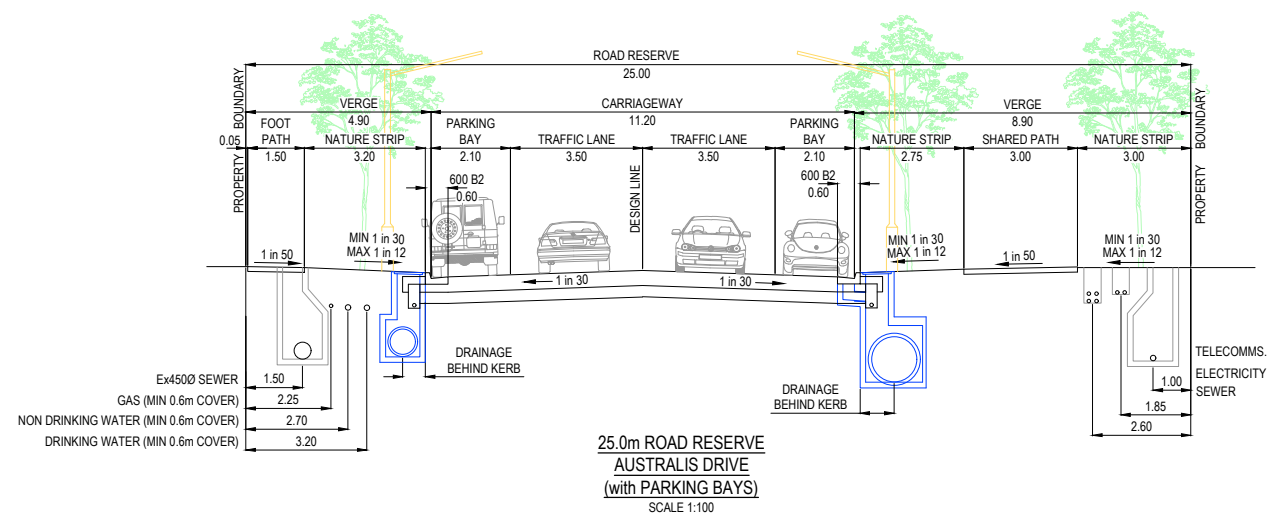
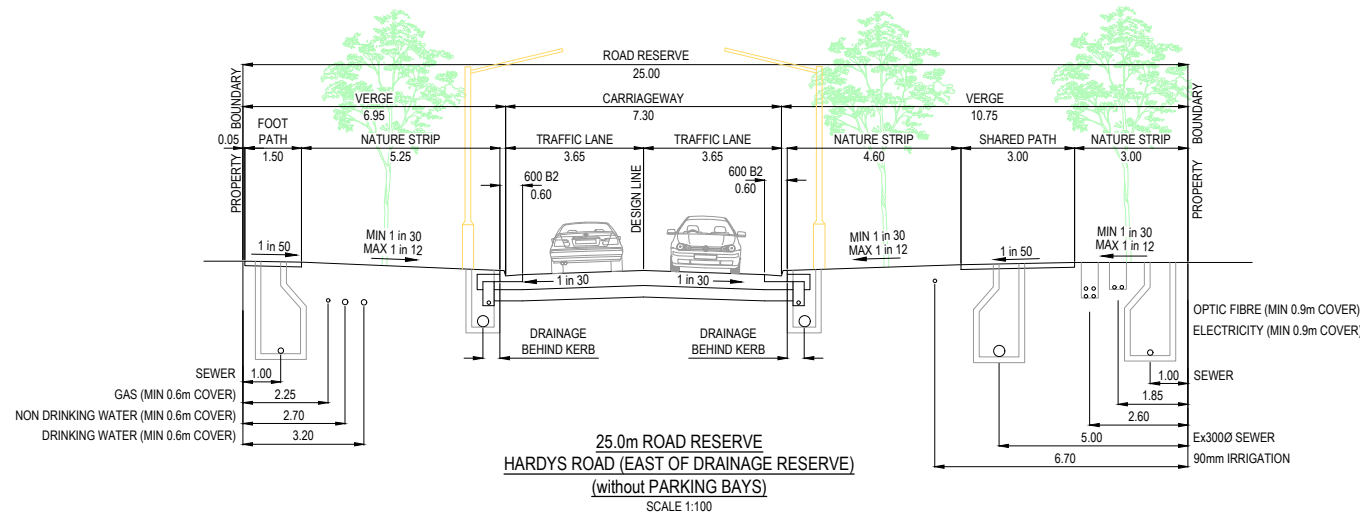
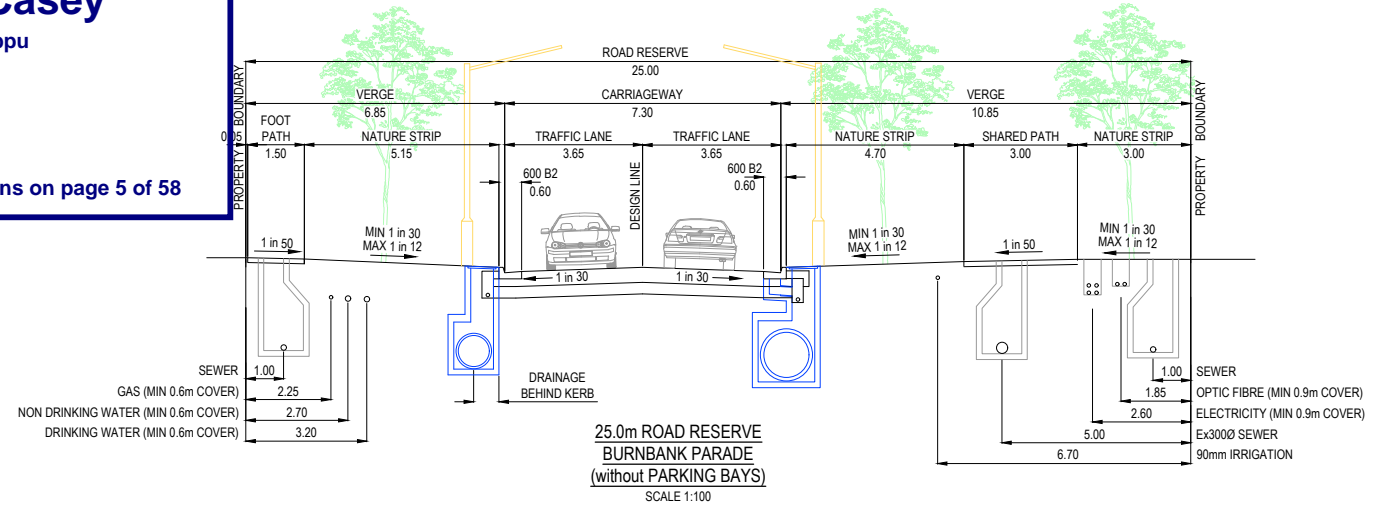
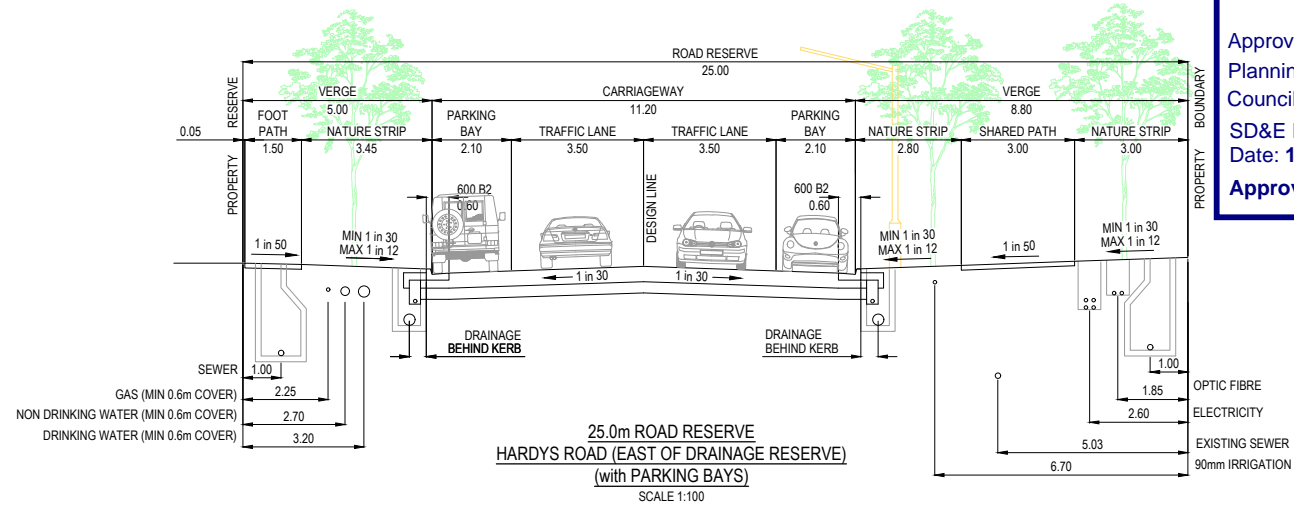
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 Drawing No 001  
 Rev F

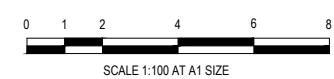
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**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



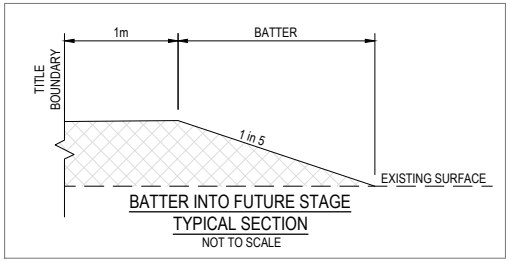
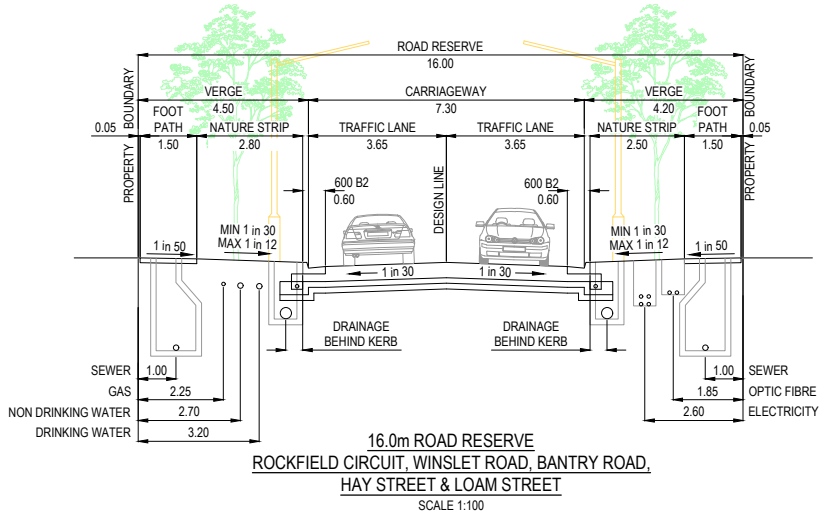
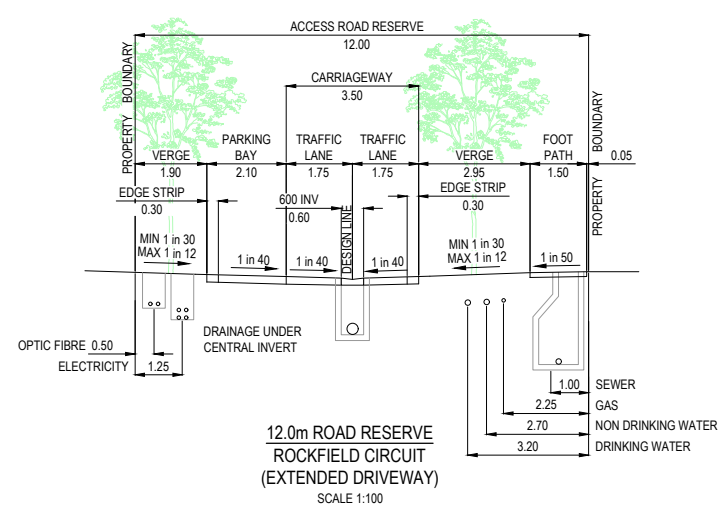
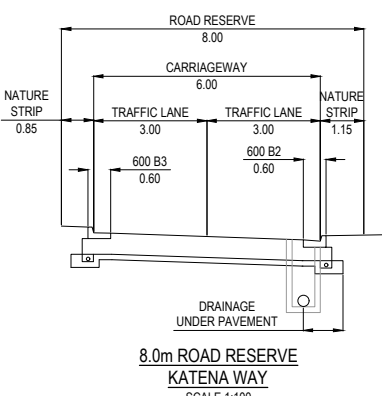
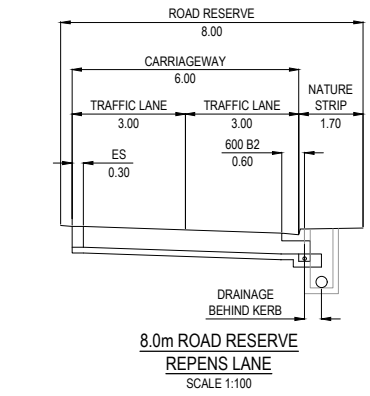
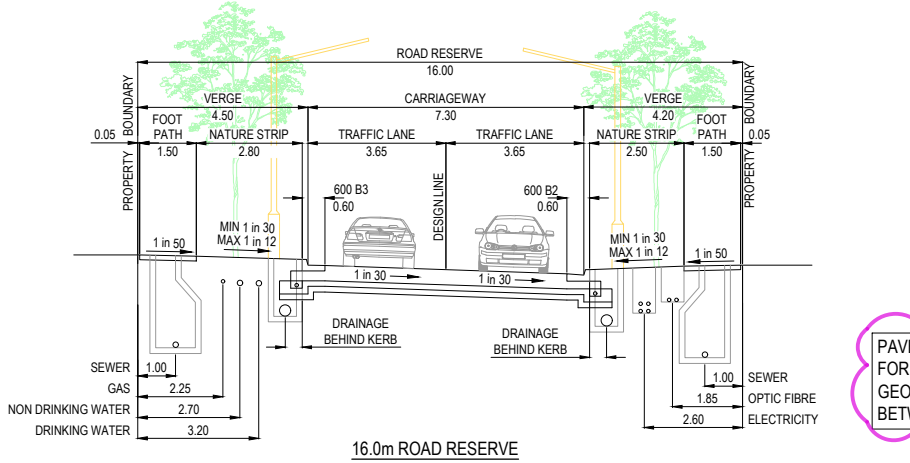
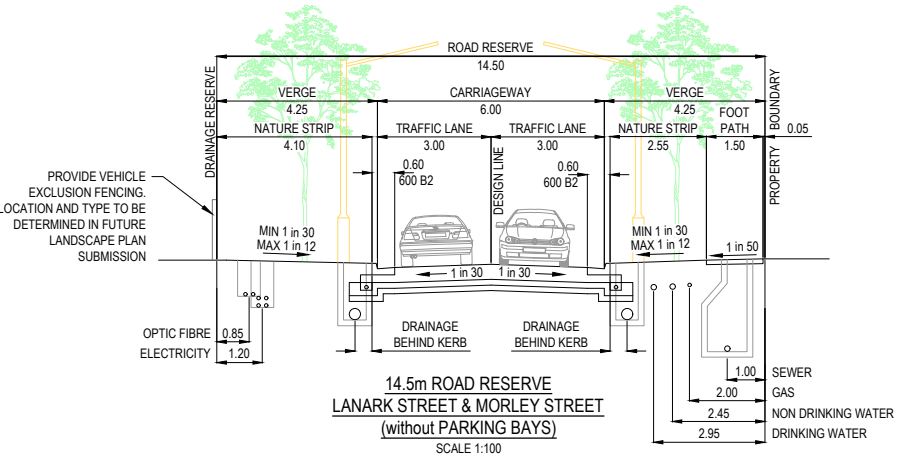
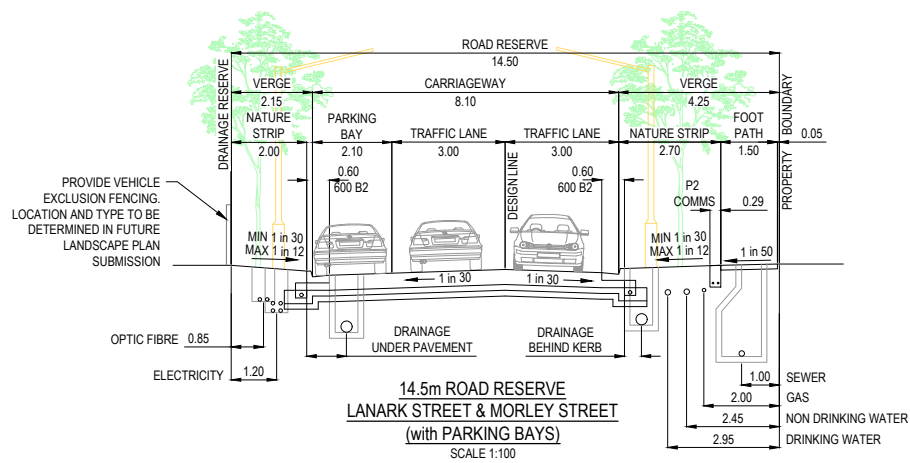
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 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN 09.05.2024  
 Approved: S.FALKENSTEIN PE01016296 09.05.2024  
 PS Number: PS921351J

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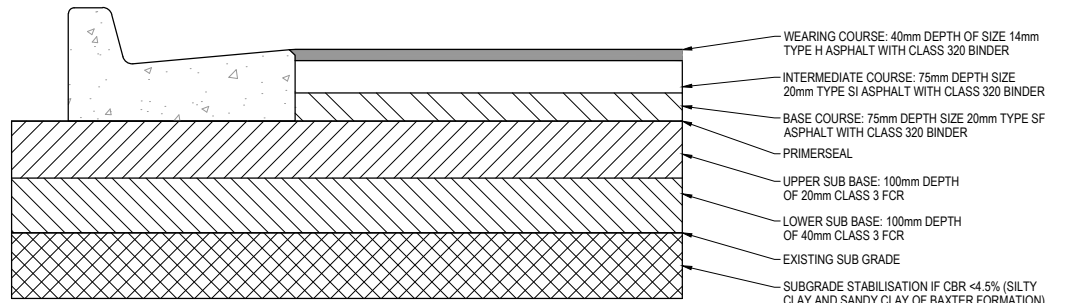
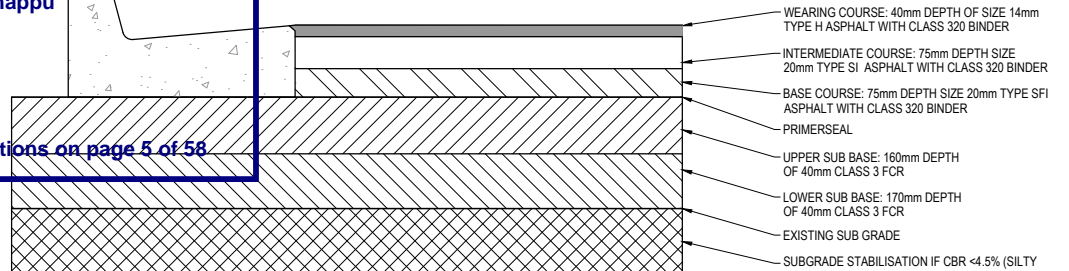
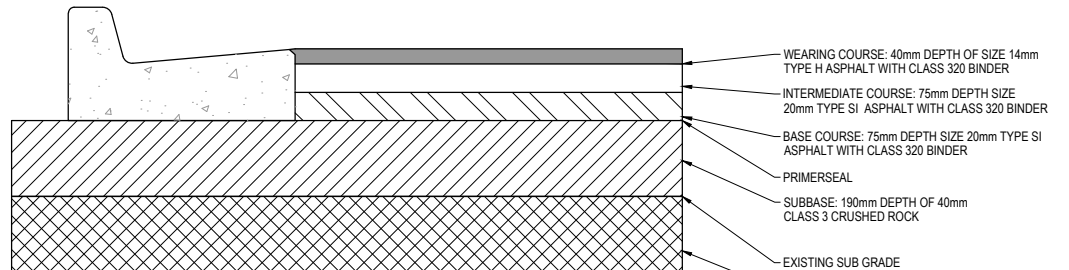
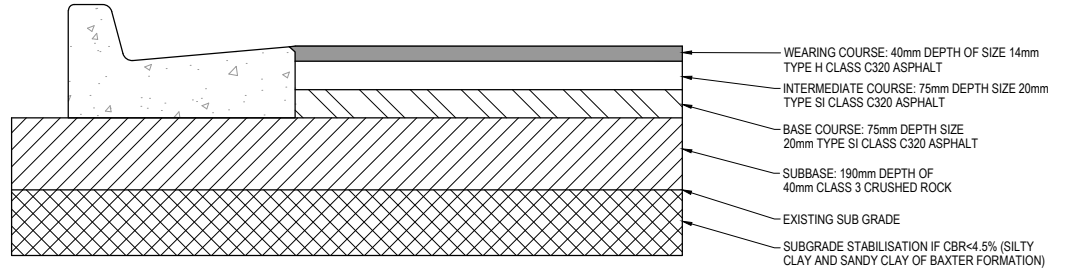
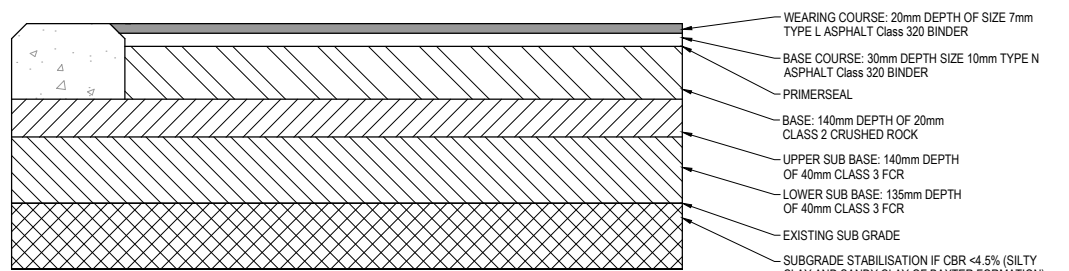
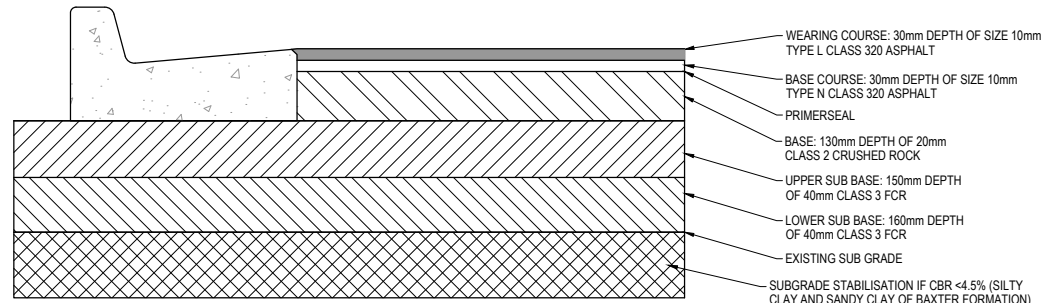
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 Drawing Title: TYPICAL ROAD CROSS SECTIONS

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 Project Ref: 1101438 Stage No: 31 Drawing No: 002 Rev: E

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**PAVEMENT MAKEUP NOTE:**  
FOR PAVEMENT MAKEUP DETAIL REFER TO TONKIN & TAYLOR 110 SMITHS LANE, CLYDE NORTH (PRECINCT 3) GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN VERSION 2. IF ANY DISCREPANCIES ARE IDENTIFIED BETWEEN THE PLANS AND THE REPORT, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE.



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F	GEOTECH COMMENT ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
Date: 24.04.2024  
Drawn: G.N. / MF.J.  
Checked: S.FALKENSTEIN  
Date: 09.05.2024  
Approved: S.FALKENSTEIN  
Reg. No. PE0101298  
Date: 09.05.2024  
PS Number: PS921351J

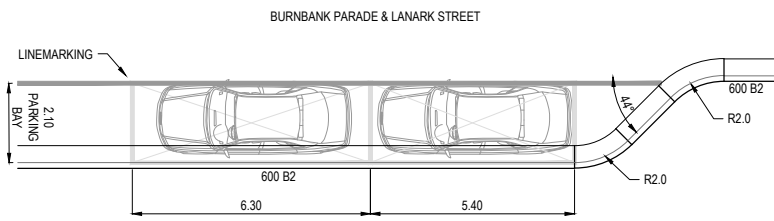
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Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
Drawing Title: PAVEMENT MAKEUP

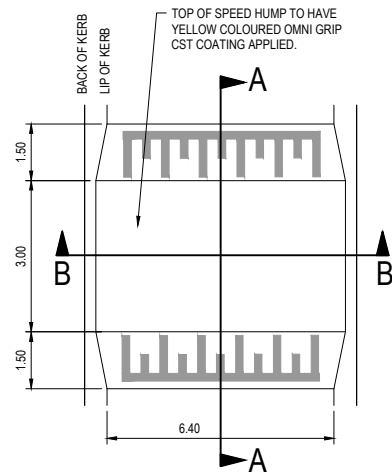
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Stage No: 31  
Drawing No: 003  
Rev: F

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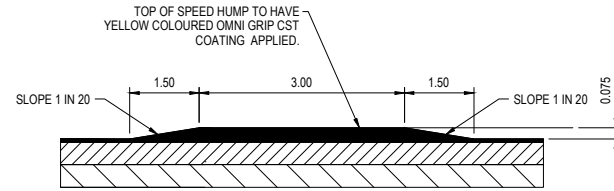
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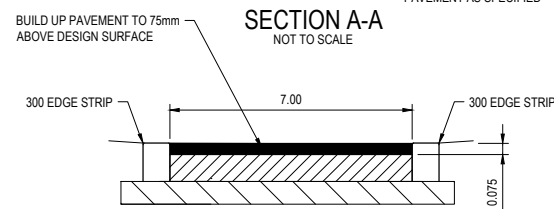
TYPICAL 2.1m PARKING BAY SETOUT  
DETAILS  
SCALE 1:100



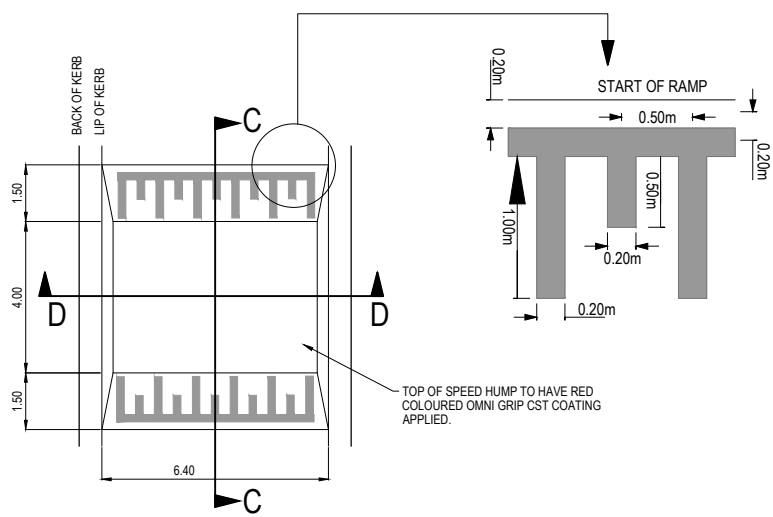
RAISED BICYCLE CROSSING DETAIL  
NOT TO SCALE



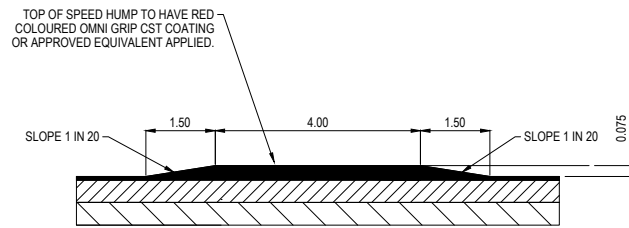
SECTION A-A  
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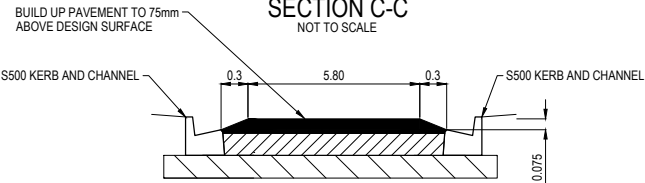
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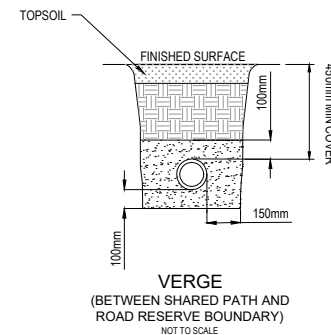
4m FLAT TOP SPEED HUMP DETAIL  
NOT TO SCALE



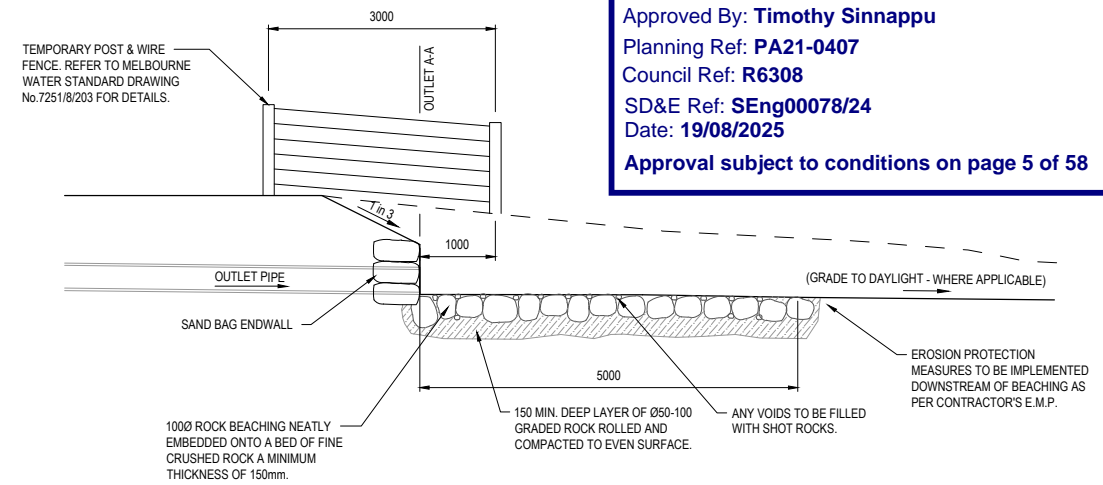
SECTION C-C  
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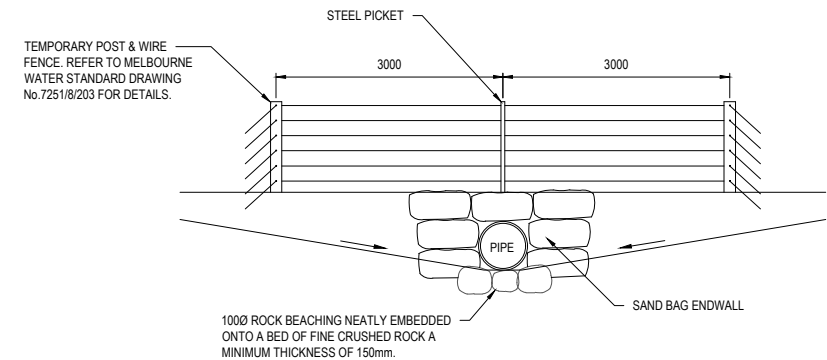
SECTION D-D  
NOT TO SCALE



IRRIGATION MAIN  
TYPICAL CROSS SECTION  
NOT TO SCALE



TEMPORARY OUTLET WITH SANDBAG ENDWALL  
NTS



OUTLET SECTION A-A  
NTS

### ROCK GRADING

% OF ROCK GREATER THAN	SIZE (mm)	% OF ROCK BY WEIGHT
0	400 - 900	50
50	200 - 400	40
90	0 - 200	10

### NOTES REGARDING IRRIGATION MAIN

- IRRIGATION MAIN TO BE LAID IN A SEPARATE TRENCH TO ALL OTHER SERVICES.
- HORIZONTAL OFFSETS ARE SHOWN ON THE LAYOUT PLANS
- CONTRACTORS TO MAINTAIN MINIMUM VERTICAL CLEARANCES WHEN CROSSING OTHER SERVICES (REFER TABLE BELOW)

### Irrigation Main Vertical Clearances

Existing or proposed service	Minimum Vertical Clearance(mm)	Existing or proposed service	Minimum Vertical Clearance(mm)
Water mains ≤ DN375	150	Electricity conduits and cables	225
Gas mains	150	Stormwater drains & pits	150
Teleco conduits and cables	150	Sewers - gravity	500

City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

SMITHS LANE

CLYDE NORTH

Designed: L.MURRAY  
Date: 24.04.2024  
Drawn: G.N. / MF.J.  
Checked: S.FALKENSTEIN  
Date: 09.05.2024  
Approved: S.FALKENSTEIN  
Reg. No: PE016296  
Date: 09.05.2024  
PS Number: PS921351J

BW

Beveridge Williams

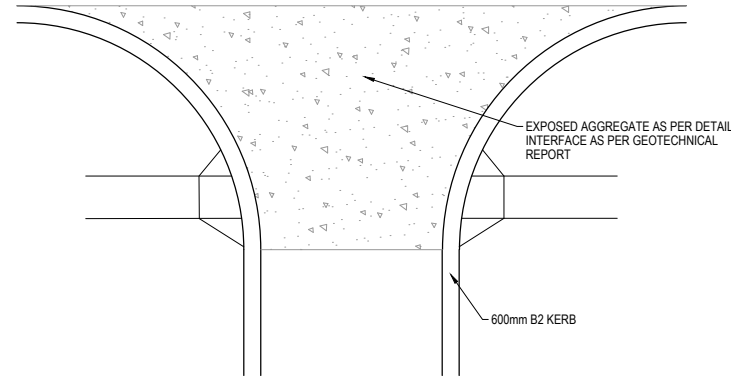
Development & Infrastructure Consultants

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

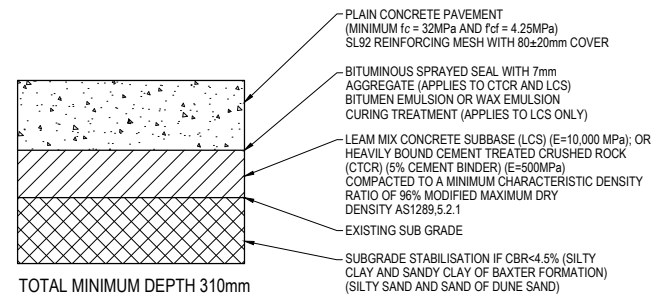
Project Details: SMITHS LANE  
STAGE 31  
CITY OF CASEY

Drawing Title: LOCAL AREA TRAFFIC MANAGEMENT  
TYPICAL DETAILS  
(SHEET 1 OF 2)

Sheet 04 of 58	
Scale <b>AS SHOWN</b>	
Project Ref <b>1101438</b>	Stage No <b>31</b>
Drawing No <b>004</b>	Rev <b>E</b>



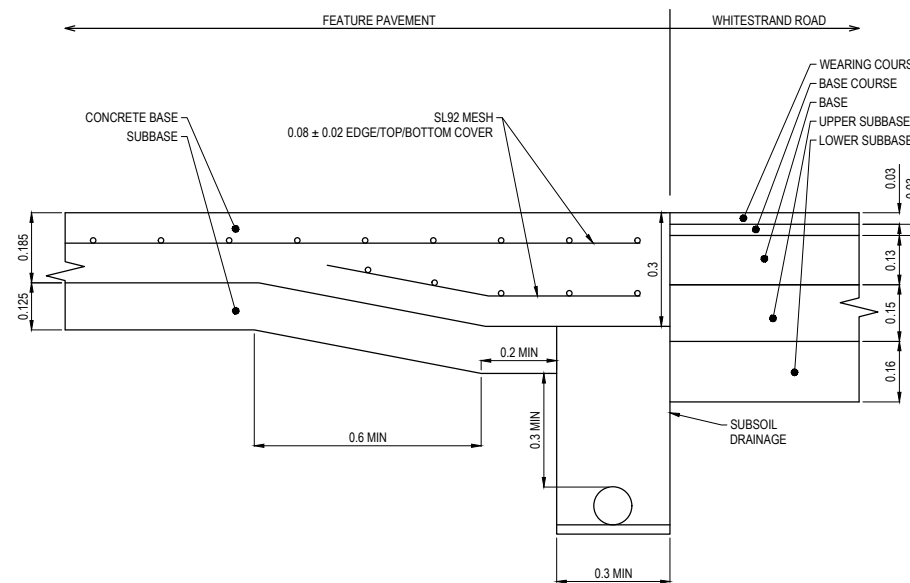
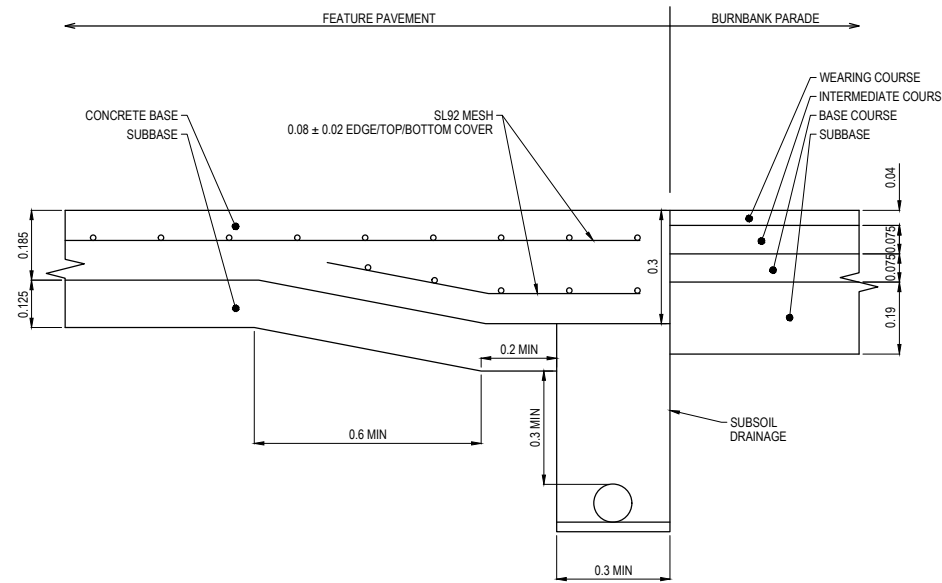
TYPICAL FEATURE PAVEMENT DETAIL  
NOT TO SCALE



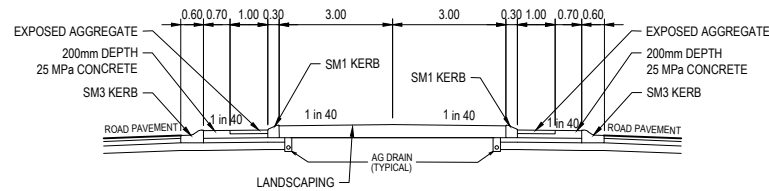
TYPICAL FEATURE PAVEMENT  
NOT TO SCALE

**PAVEMENT MAKEUP NOTE:**  
FOR PAVEMENT MAKEUP DETAIL REFER TO TONKIN & TAYLOR 110 SMITHS LANE, CLYDE NORTH (PRECINCT 3) GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN VERSION 2. IF ANY DISCREPANCIES ARE IDENTIFIED BETWEEN THE PLANS AND THE REPORT, THE GEOTECHNICAL REPORT SHALL TAKE PRECEDENCE.

F



TYPICAL FEATURE PAVEMENT INTERFACE DETAILS  
NOT TO SCALE



ROUNDBABOUT ISLAND DETAIL  
NOT TO SCALE

NOTE: REFER TO CITY OF CASEY STD. DRG. S-103 FOR DETAILS

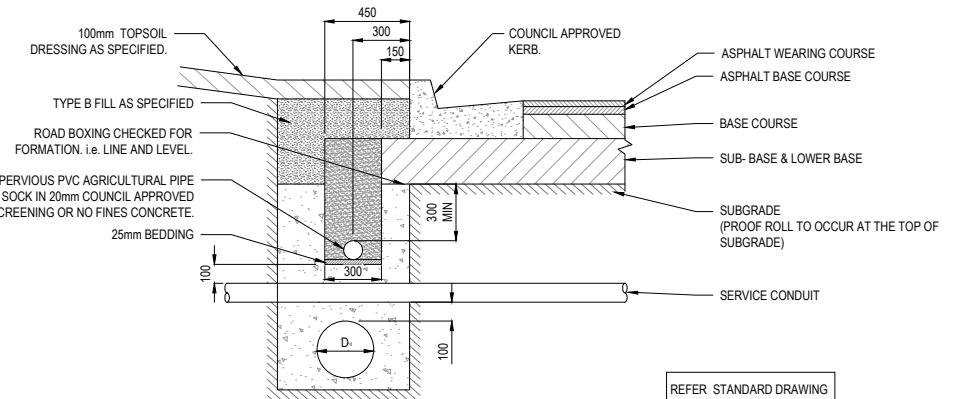
# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

**Approval subject to below conditions:**

- Works are to be carried out in accordance with an approved Environmental Management Plan (EMP) and Traffic Management Plan (TMP).
- Relevant service authorities notification and approval is obtained.
- Before starting any work, the contractor must contact Council's Construction Supervision Team on 9705 5200 to arrange Council supervision of the works.
- PD copy of the "As-constructed" engineer plans must be submitted to engineeringplans@casey.vic.gov.au with references to Council reference numbers.
- A CCTV report must be submitted to the Council supervisor and SubdivisionsConstruction@casey.vic.gov.au for all drainage lines prior to issue of practical completion.

As-constructed plans and asset information (A-SPEC format) must be provided to Council's satisfaction to the ACDC portal <http://portal.asconstructed.com/#/login> before statement of compliance will be issued



TYPICAL ROAD PAVEMENT DETAIL  
NON-EXPANSIVE SUBGRADE

REFER STANDARD DRAWING EDCM 202b FOR DETAILS.

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	GEOTECH COMMENT ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No.: PE010296  
 Date: 09.05.2024  
 PS Number: PS921351J

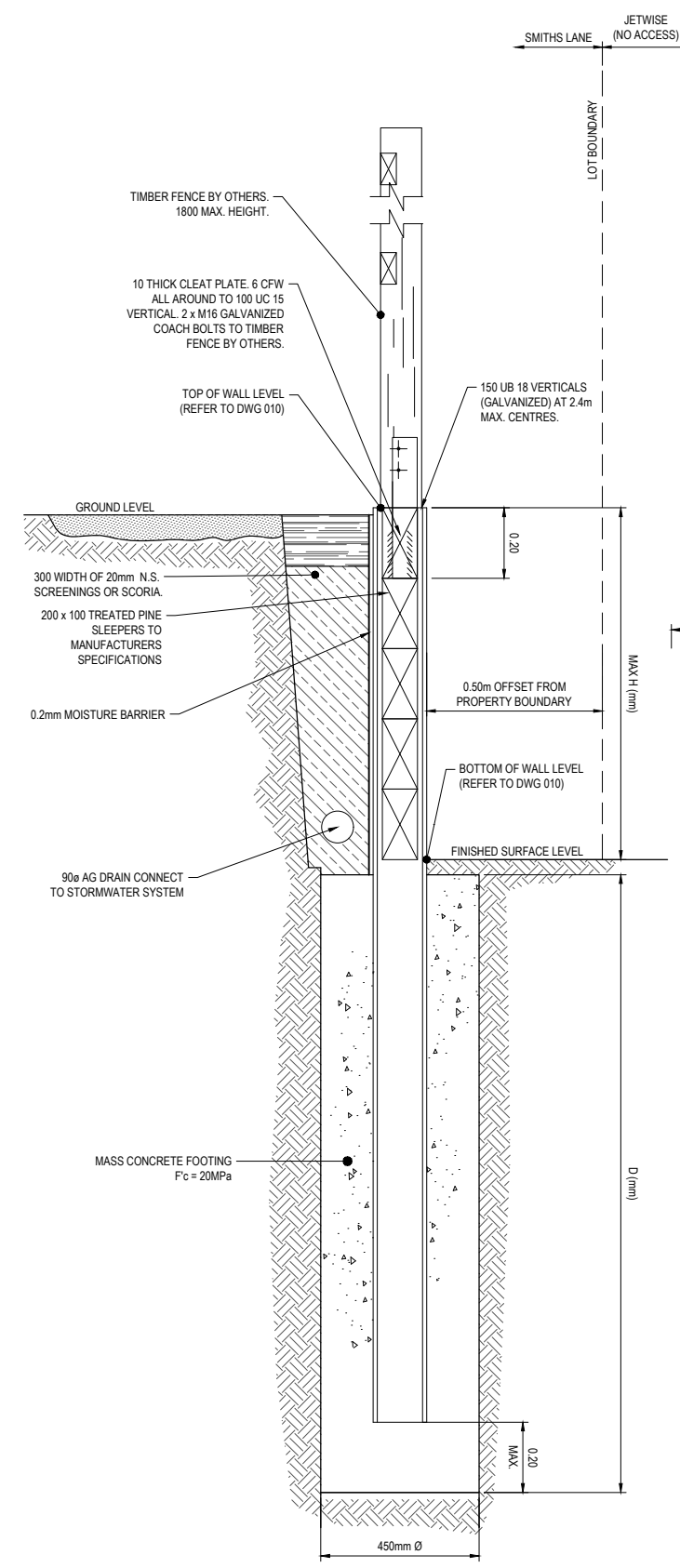
1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: LOCAL AREA TRAFFIC MANAGEMENT TYPICAL DETAILS (SHEET 2 OF 2)

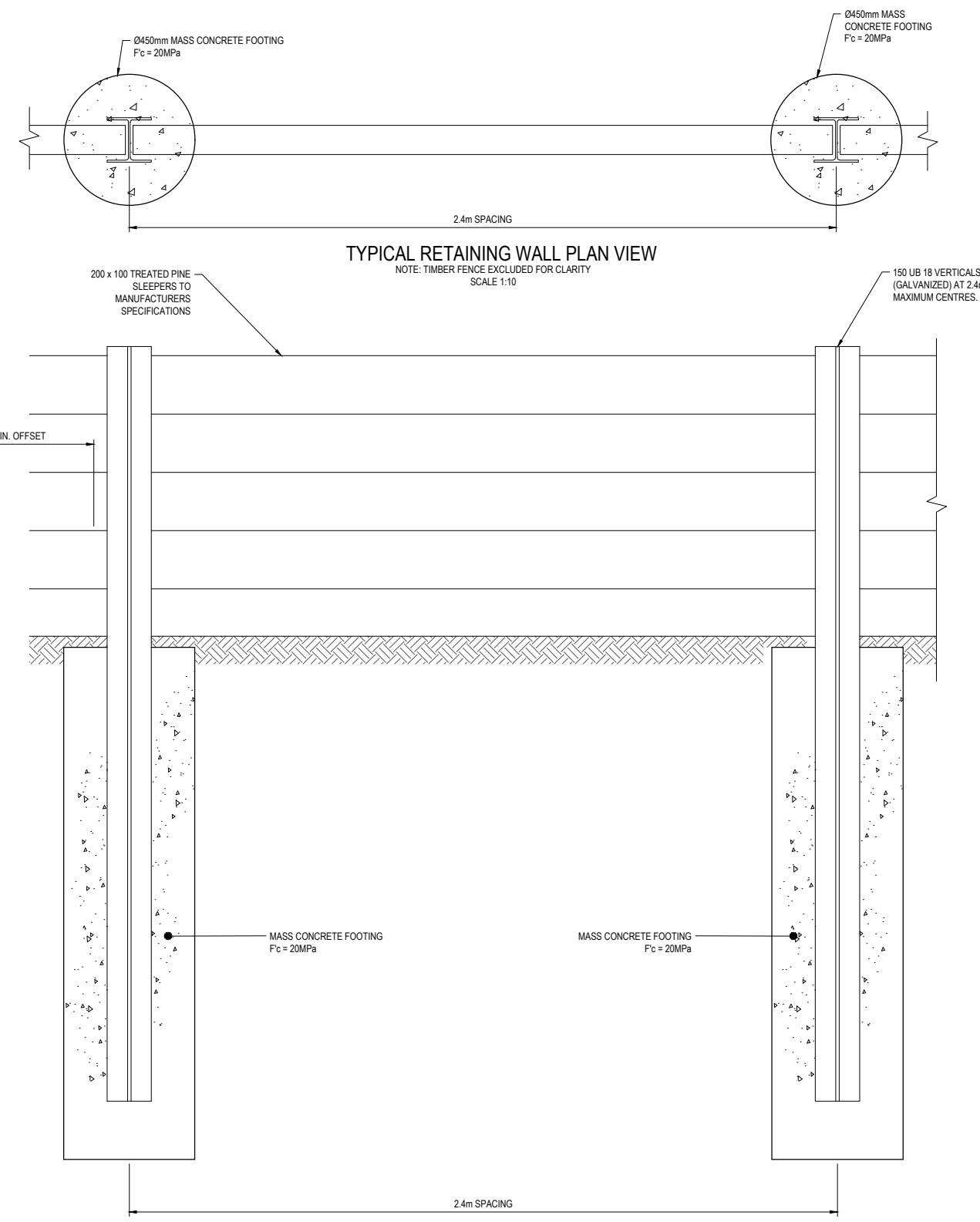
Sheet	05 of 58
Scale	AS SHOWN
Project Ref	1101438
Stage No	31
Drawing No	005
Rev	F

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



**TYPICAL RETAINING WALL SECTION**  
 RETAINING HEIGHT - 1000mm MAXIMUM  
 SCALE 1:10



**TYPICAL RETAINING WALL ELEVATION**  
 RETAINING HEIGHT - 1000mm MAXIMUM  
 NOTE: TIMBER FENCE EXCLUDED FOR CLARITY  
 SCALE 1:10

TREATED PINE SLEEPER RETAINING WALL SCHEDULE	
HEIGHT - H(mm)	DEPTH - D(mm)
600	900
800	1200
1000	1500

Dmin TO BE GREATER OF THAT SHOWN ABOVE OR 500mm BELOW ADJACENT DRAINAGE (REFER SHEET 005 FOR DETAILS)

**FOR CONSTRUCTION**

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REV	DESCRIPTION	DATE	DRN.	APP.	REV
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY	

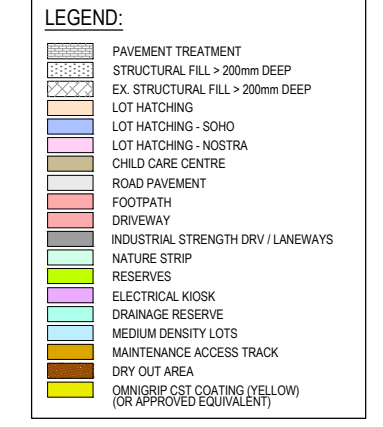
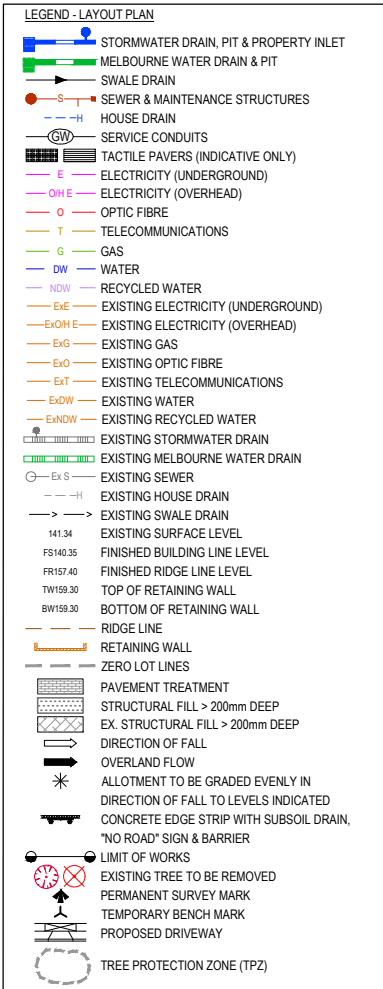
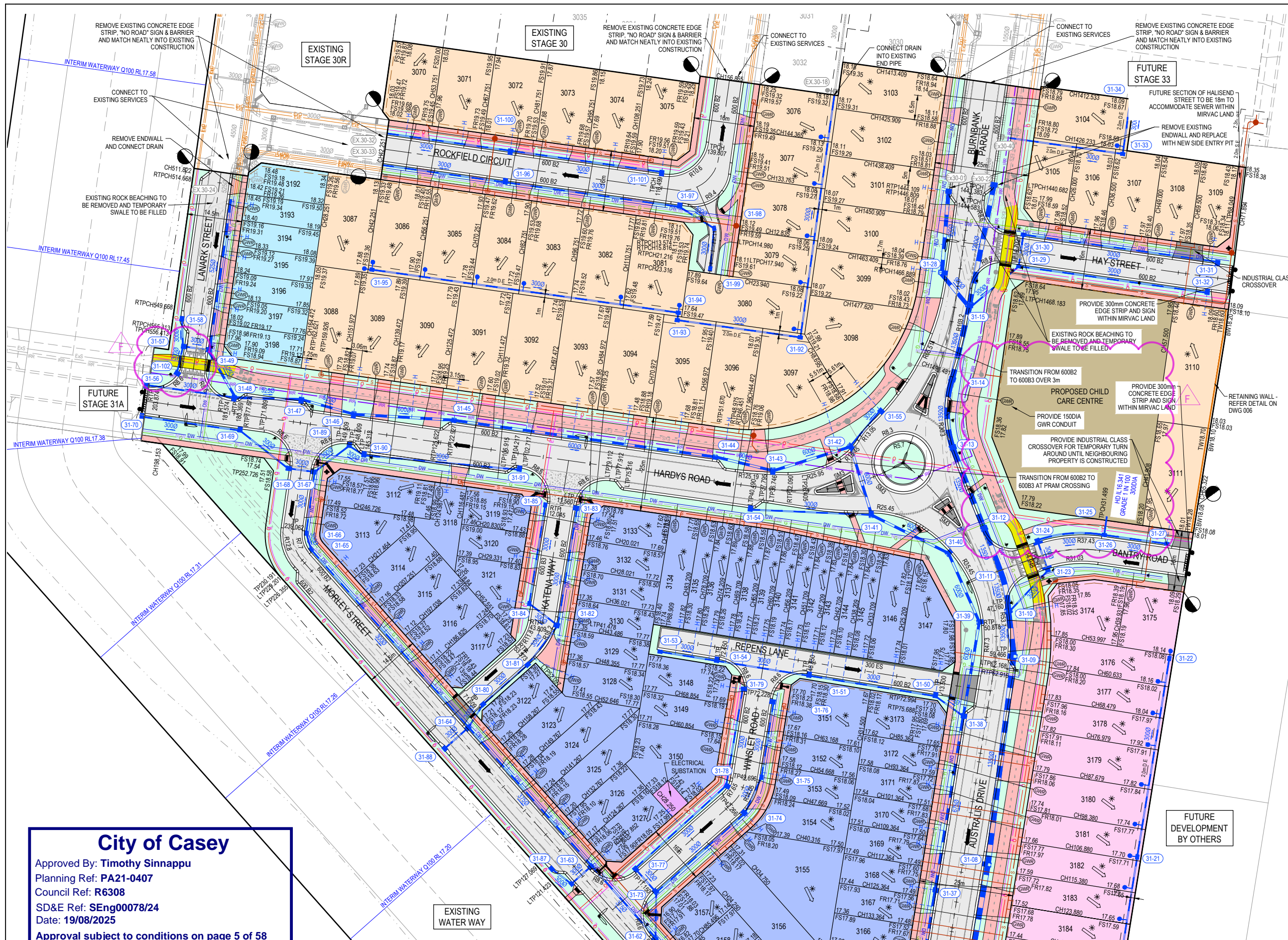


Designed	L.MURRAY
Date	24.04.2024
Drawn	G.N. / MF.J.
Checked	S.FALKENSTEIN
Date	09.05.2024
Approved	S.FALKENSTEIN
Reg. No.	PE010296
Date	09.05.2024
PS Number	PS921351J

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

Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	RETAINING WALL DETAILS

Sheet	06 of 58
Scale	AS SHOWN
Project Ref	1101438
Stage No	31
Drawing No	006
Rev	E



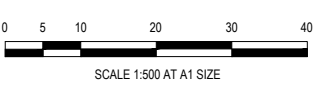
**WARNING**  
**BEWARE OF UNDERGROUND SERVICES**  
 The locations of underground services are approximate only and their exact position should be proven on site.  
 No guarantee is given that all existing services are shown. Locate all underground services before commencement of works  
**BEFORE YOU DIG**  
 www.byda.com.au

**FOR CONSTRUCTION**

**City of Casey**  
 Approved By: Timothy Sinnappu  
 Planning Ref: PA21-0407  
 Council Ref: R6308  
 SD&E Ref: SEng00078/24  
 Date: 19/08/2025  
 Approval subject to conditions on page 5 of 58

FOR CONTINUATION SEE SHEET 1101438-31-011

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	PIT 31-102 & DRAIN LEVEL FOR CHILD CARE CENTRE ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N./MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: P6016296  
 Date: 09.05.2024  
 PS Number: PS921351J

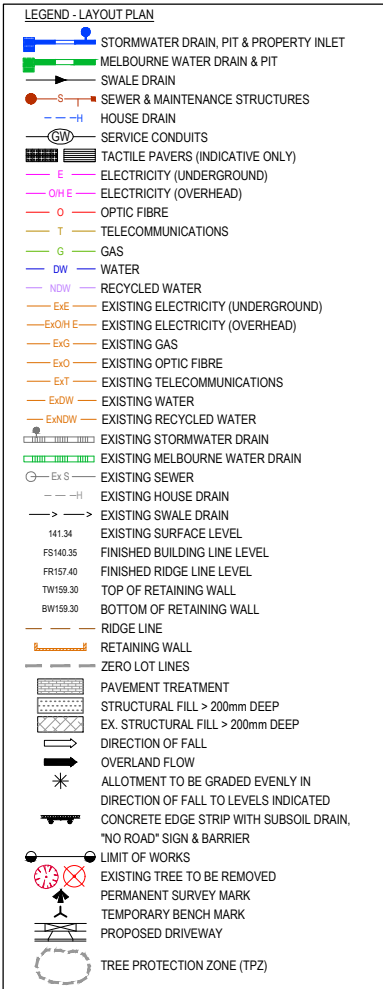
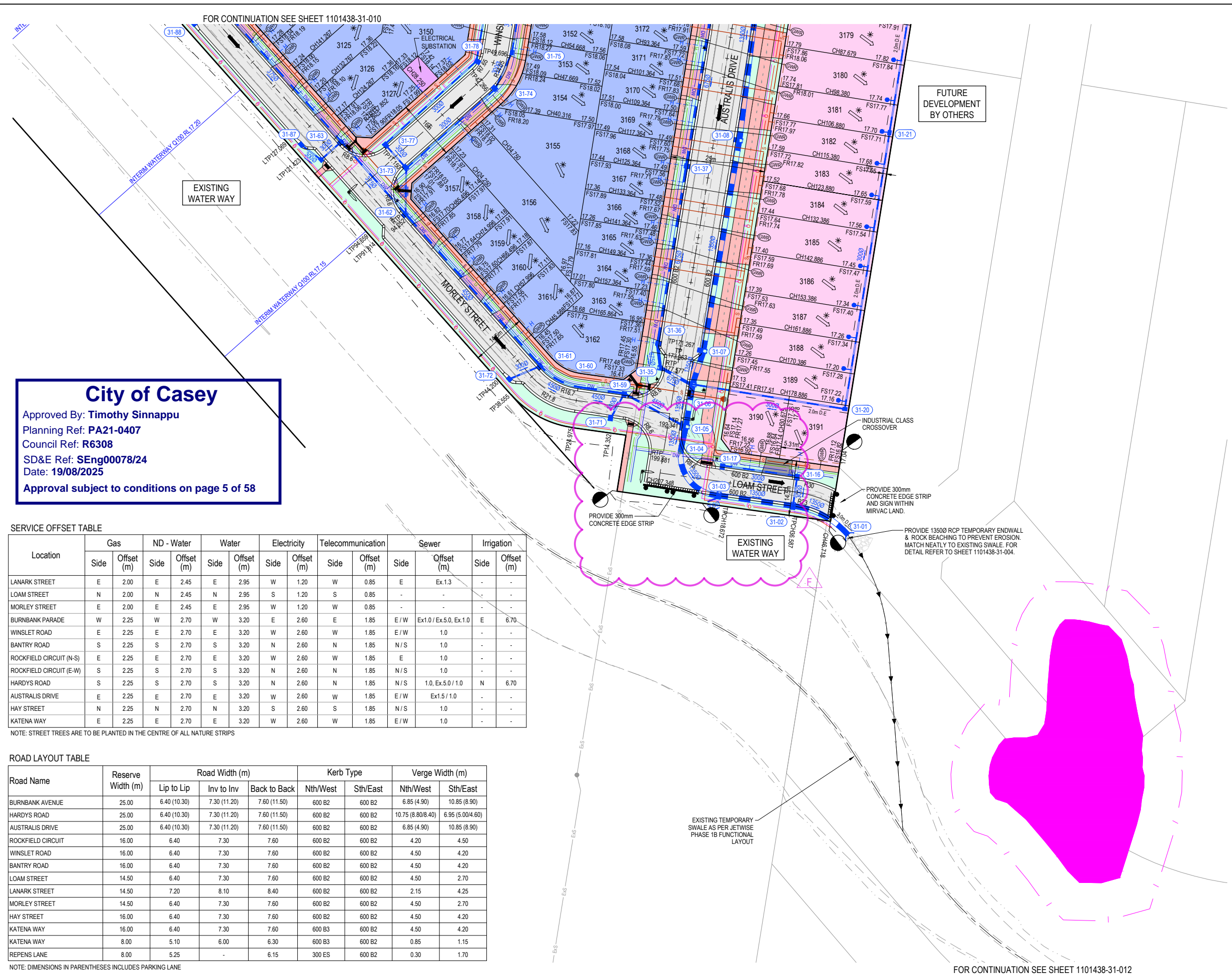
**BW Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
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 www.beveridgewilliams.com.au

Project: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)

Sheet 07 of 58  
 Scale: 1:500 @ A1  
 Project Ref: 1101438  
 Stage No: 31  
 Drawing No: 010  
 Rev: F

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FOR CONTINUATION SEE SHEET 1101438-31-010



FOR CONTINUATION SEE SHEET 1101438-31-010

**City of Casey**  
 Approved By: Timothy Sinnappu  
 Planning Ref: PA21-0407  
 Council Ref: R6308  
 SD&E Ref: SENG00078/24  
 Date: 19/08/2025  
 Approval subject to conditions on page 5 of 58

SERVICE OFFSET TABLE

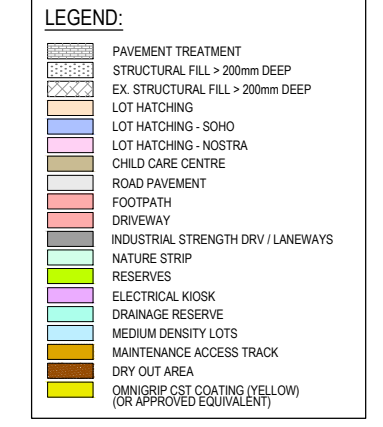
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	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
LANARK STREET	E	2.00	E	2.45	E	2.95	W	1.20	W	0.85	E	Ex.1.3	-	-
LOAM STREET	N	2.00	N	2.45	N	2.95	S	1.20	S	0.85	-	-	-	-
MORLEY STREET	E	2.00	E	2.45	E	2.95	W	1.20	W	0.85	-	-	-	-
BURNBANK PARADE	W	2.25	W	2.70	W	3.20	E	2.60	E	1.85	E/W	Ex1.0 / Ex.5.0, Ex.1.0	E	6.70
WINSLET ROAD	E	2.25	E	2.70	E	3.20	W	2.60	W	1.85	E/W	1.0	-	-
BANTRY ROAD	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	N/S	1.0	-	-
ROCKFIELD CIRCUIT (N-S)	E	2.25	E	2.70	E	3.20	W	2.60	W	1.85	E	1.0	-	-
ROCKFIELD CIRCUIT (E-W)	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	N/S	1.0	-	-
HARDYS ROAD	S	2.25	S	2.70	S	3.20	N	2.60	N	1.85	N/S	1.0, Ex.5.0 / 1.0	N	6.70
AUSTRALIS DRIVE	E	2.25	E	2.70	E	3.20	W	2.60	W	1.85	E/W	Ex1.5 / 1.0	-	-
HAY STREET	N	2.25	N	2.70	N	3.20	S	2.60	S	1.85	N/S	1.0	-	-
KATENA WAY	E	2.25	E	2.70	E	3.20	W	2.60	W	1.85	E/W	1.0	-	-

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

ROAD LAYOUT TABLE

Road Name	Reserve Width (m)	Road Width (m)			Kerb Type		Verge Width (m)	
		Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East
BURNBANK AVENUE	25.00	6.40 (10.30)	7.30 (11.20)	7.60 (11.50)	600 B2	600 B2	6.85 (4.90)	10.85 (8.90)
HARDYS ROAD	25.00	6.40 (10.30)	7.30 (11.20)	7.60 (11.50)	600 B2	600 B2	10.75 (8.80/8.40)	6.95 (5.00/4.60)
AUSTRALIS DRIVE	25.00	6.40 (10.30)	7.30 (11.20)	7.60 (11.50)	600 B2	600 B2	6.85 (4.90)	10.85 (8.90)
ROCKFIELD CIRCUIT	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
WINSLET ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
BANTRY ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
LOAM STREET	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
LANARK STREET	14.50	7.20	8.10	8.40	600 B2	600 B2	2.15	4.25
MORLEY STREET	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
HAY STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
KATENA WAY	16.00	6.40	7.30	7.60	600 B3	600 B2	4.50	4.20
KATENA WAY	8.00	5.10	6.00	6.30	600 B3	600 B2	0.85	1.15
REPENS LANE	8.00	5.25	-	6.15	300 ES	600 B2	0.30	1.70

NOTE: DIMENSIONS IN PARENTHESES INCLUDES PARKING LANE

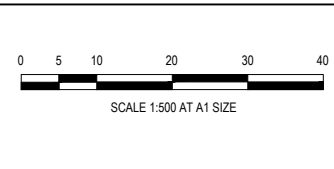


**WARNING**  
**BWARE OF UNDERGROUND SERVICES**  
 The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.  
**BEFORE YOU DIG**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

FOR CONTINUATION SEE SHEET 1101438-31-012

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	AUSTRALIS LIMIT OF WORKS AMENDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed Date: L MURRAY 24.04.2024  
 Drawn Date: G.N. / MF.J.  
 Checked Date: S.FALKENSTEIN 09.05.2024  
 Approved Date: S.FALKENSTEIN 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: LAYOUT PLAN (SHEET 2 OF 2)

Sheet 08 of 58  
 Scale: 1:500 @ A1  
 Project Ref: 1101438 Stage No: 31 Drawing No: 011 Rev: F

FOR CONTINUATION REFER DRG. 1101438-31-011

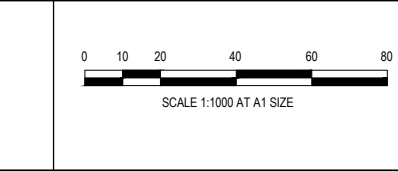
**City of Casey**  
 Approved By: Timothy Sinnappu  
 Planning Ref: PA21-0407  
 Council Ref: R6308  
 SD&E Ref: SEng00078/24  
 Date: 19/08/2025  
 Approval subject to conditions on page 5 of 58



**WARNING**  
**BWARE OF UNDERGROUND SERVICES**  
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**BEFORE YOU DIG**  
 www.byda.com.au

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS0016298  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 JETWISE WETLAND PHASE 1B

Sheet 09 of 58  
 Scale 1:1000 @ A1  
 Project Ref 1101438 Stage No 31 Drawing No 012 Rev E

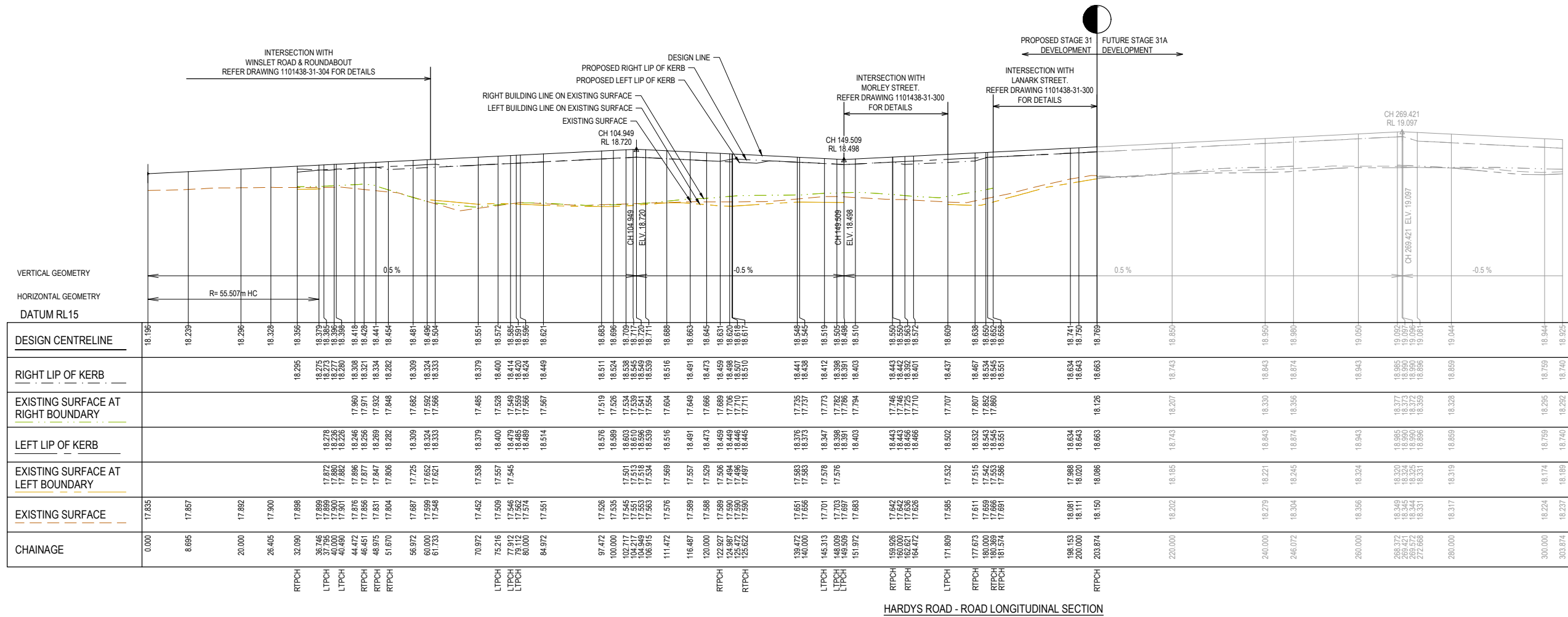


# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

Approval subject to conditions on page 5 of 58

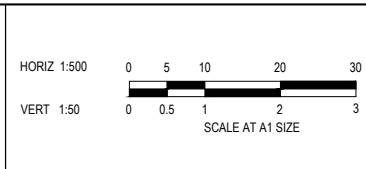
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	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



HARDYS ROAD - ROAD LONGITUDINAL SECTION

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016296  
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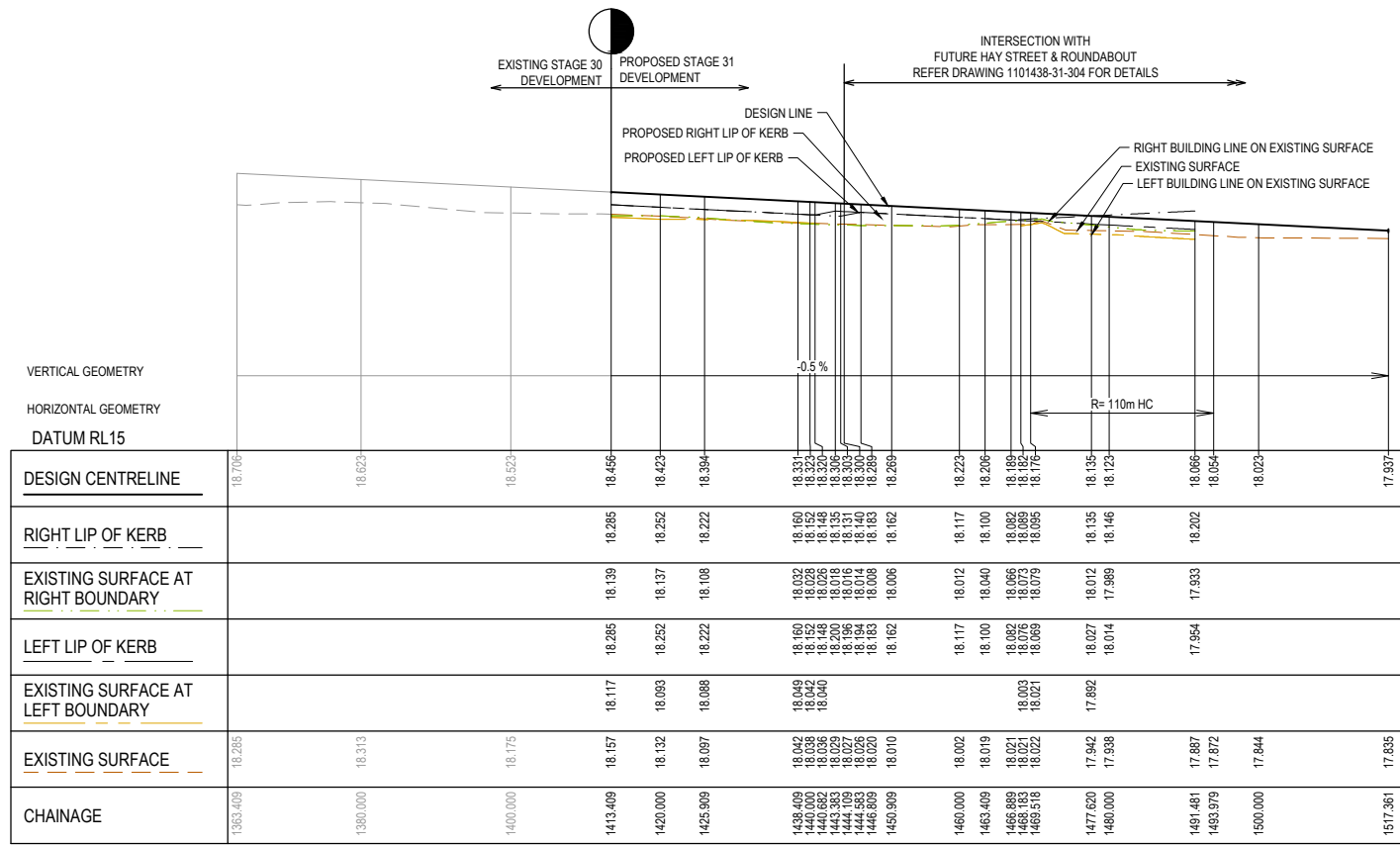
Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: ROAD LONGITUDINAL SECTIONS HARDYS ROAD

Sheet	10 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	100
Rev	E

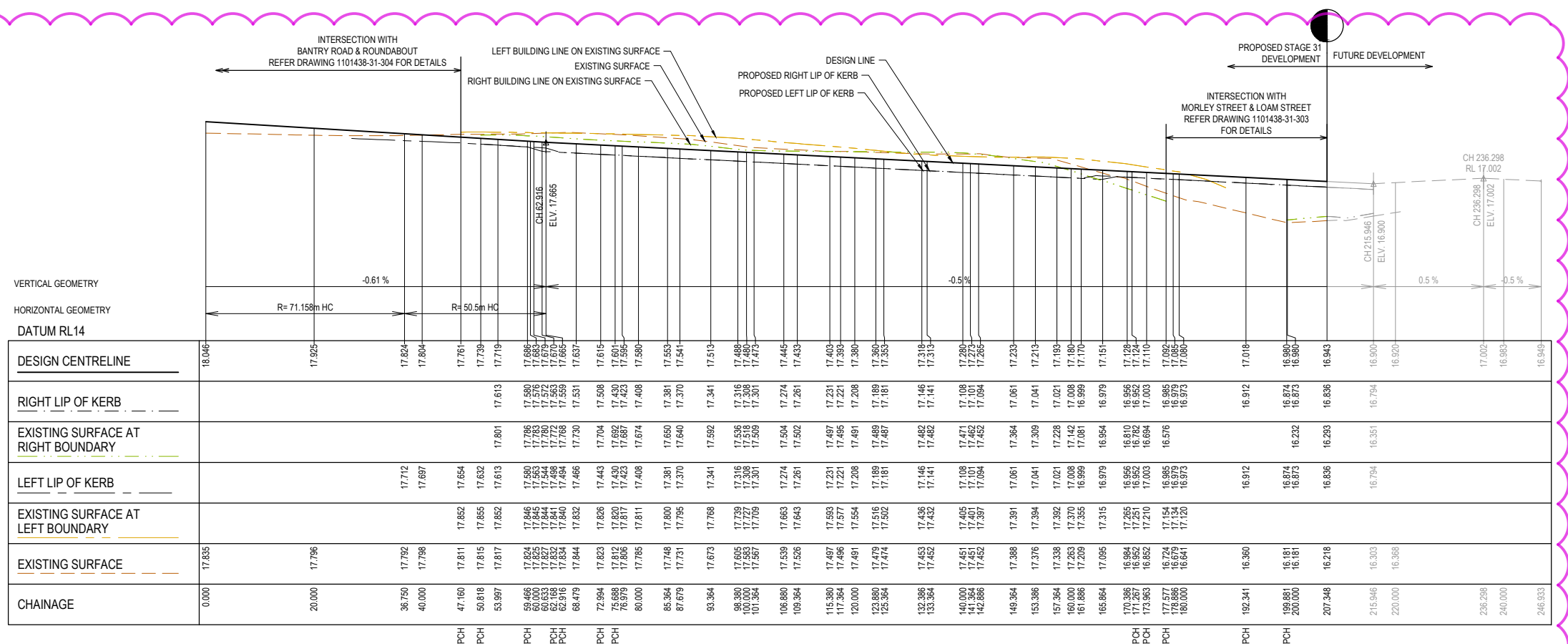
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Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

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



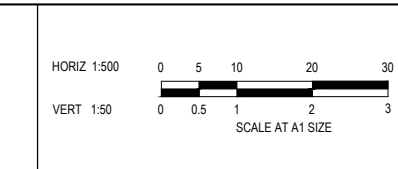
BURNBANK PARADE - ROAD LONGITUDINAL SECTION



AUSTRALIS DRIVE - ROAD LONGITUDINAL SECTION

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	AUSTRALIS LIMIT OF WORKS AMENDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY 24.04.2024  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN 09.05.2024  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN 09.05.2024  
 Date: 09.05.2024  
 PS Number: PS921351J

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

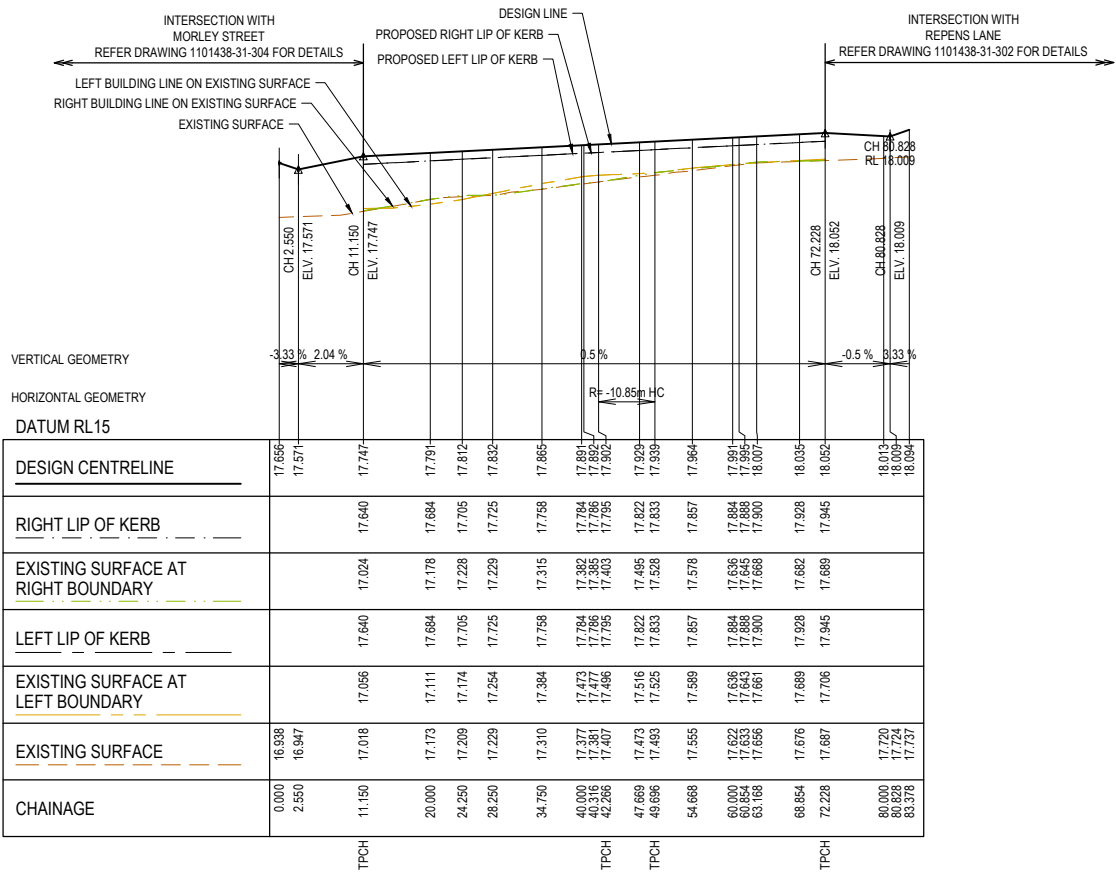
Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: ROAD LONGITUDINAL SECTIONS AUSTRALIS DRIVE & BURNBANK PARADE

Sheet 11 of 58	Scale 1:500 H 1:50 V @ A1
Project Ref 1101438	Stage No 31
Drawing No 101	Rev F

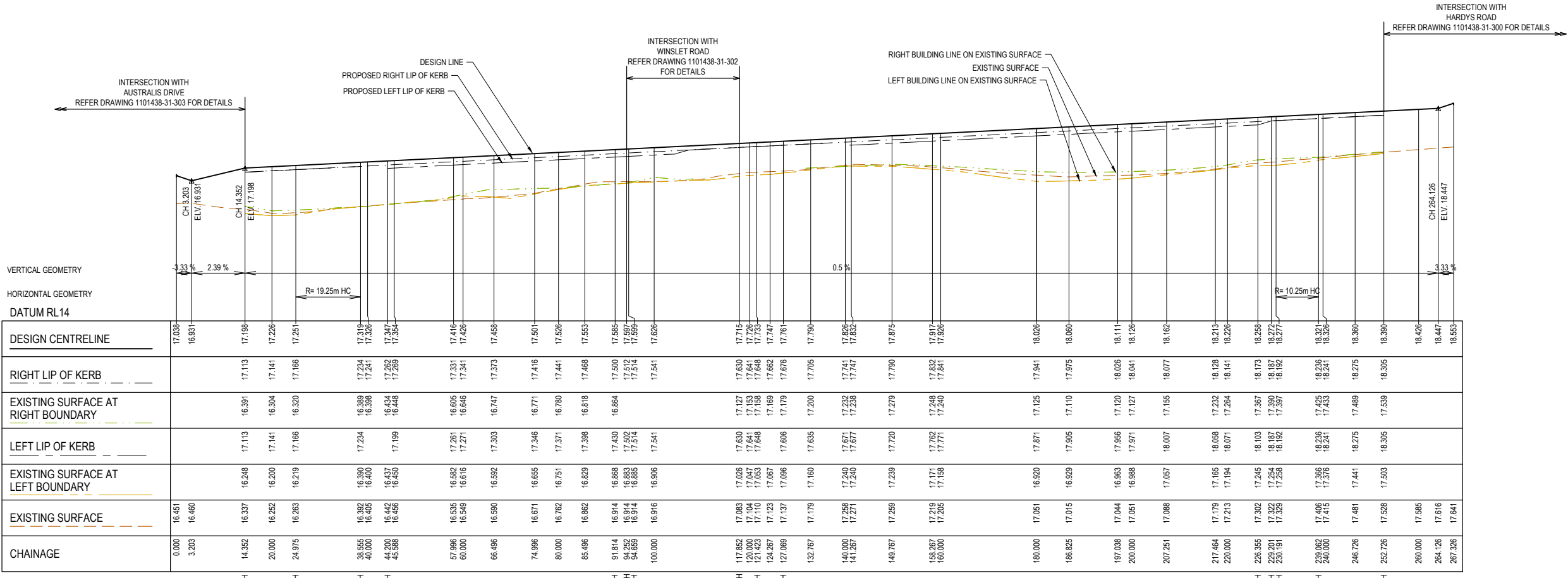
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**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

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



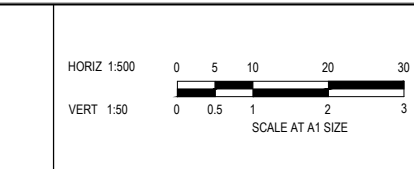
**WINSLET ROAD - ROAD LONGITUDINAL SECTION**



**MORLEY STREET - ROAD LONGITUDINAL SECTION**

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: P6301638  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
**SMITHS LANE  
 STAGE 31  
 CITY OF CASEY**

Drawing Title  
**ROAD LONGITUDINAL SECTIONS  
 WINSLET ROAD & MORLEY STREET**

Sheet	12 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	102
Rev	E

Q:\m\jobs\Jobs Data\1101438\110 Smiths Lane, Clyde (MIRVAC)\_Eng\Stage 31\Drawings\1101438-31-100-RLS.dwg

# City of Casey

Approved By: **Timothy Sinnappu**

Planning Ref: **PA21-0407**

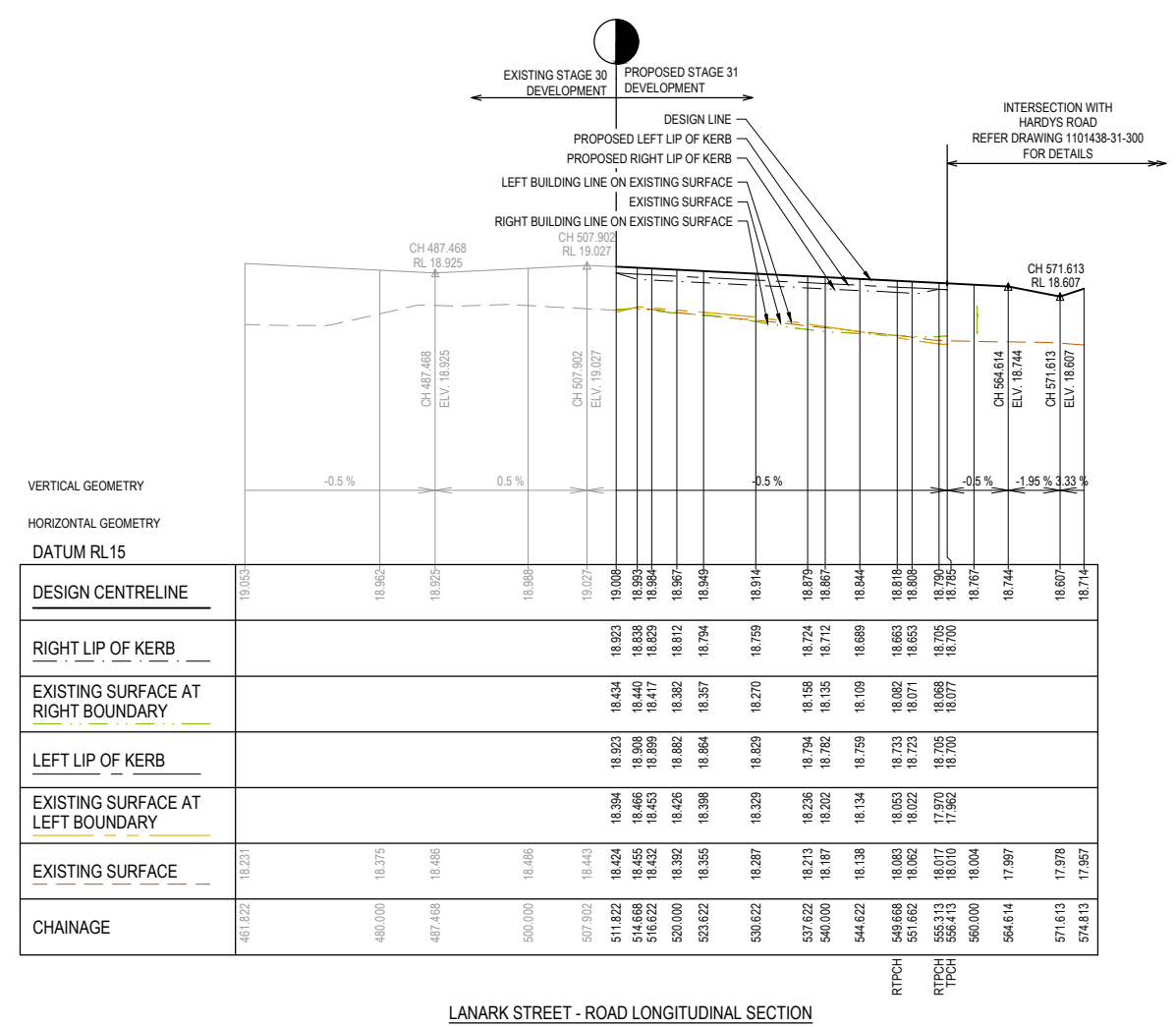
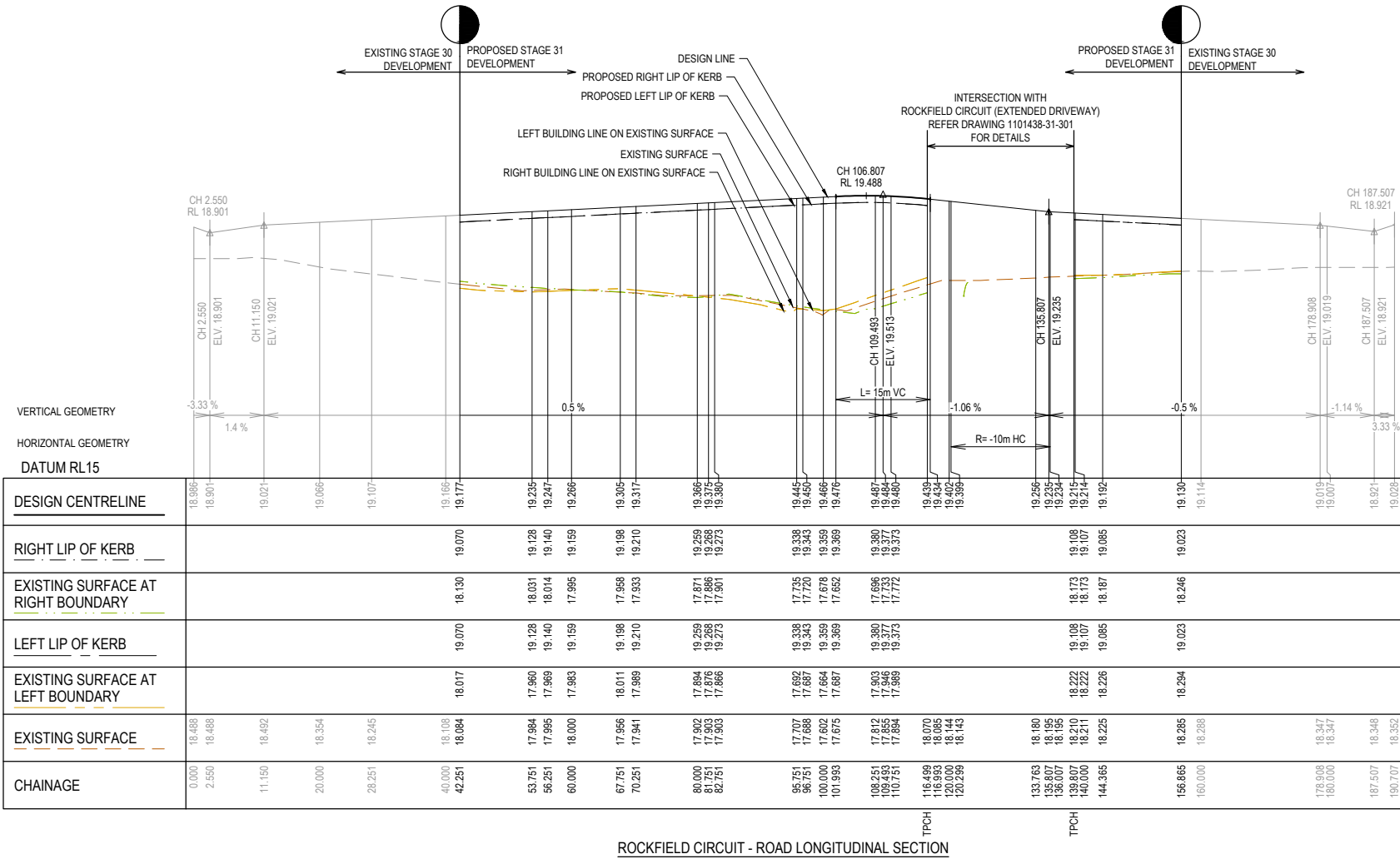
Council Ref: **R6308**

SD&E Ref: **SEng00078/24**

Date: **19/08/2025**

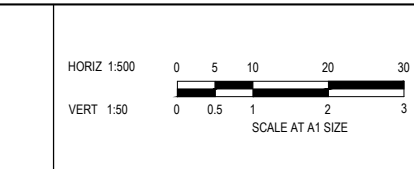
Approval subject to conditions on page 5 of 58

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



**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: **L. MURRAY** 24.04.2024  
 Date  
 Drawn: **G.N. / MF.J.**  
 Checked: **S. FALKENSTEIN** 09.05.2024  
 Date  
 Approved: **S. FALKENSTEIN** 09.05.2024  
 Reg. No. **PS2016296**  
 Date  
 PS Number **PS921351J**

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

Project Details: **SMITHS LANE STAGE 31 CITY OF CASEY**

Drawing Title: **ROAD LONGITUDINAL SECTIONS ROCKFIELD CIRCUIT & LANARK STREET**

Sheet	13 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	103
Rev	E

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# City of Casey

Approved By: Timothy Sinnappu

Planning Ref: PA21-0407

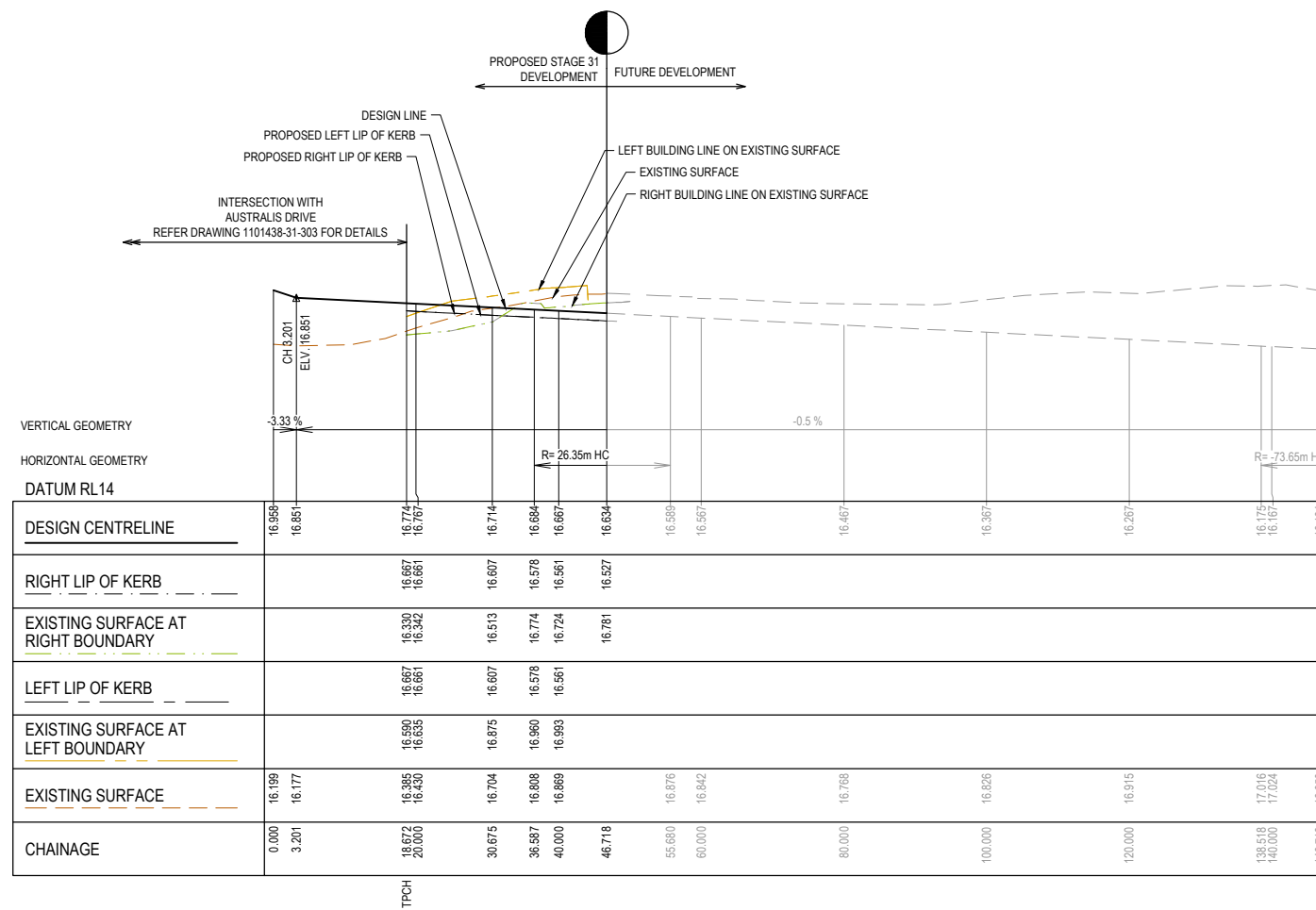
Council Ref: R6308

SD&E Ref: SEng00078/24

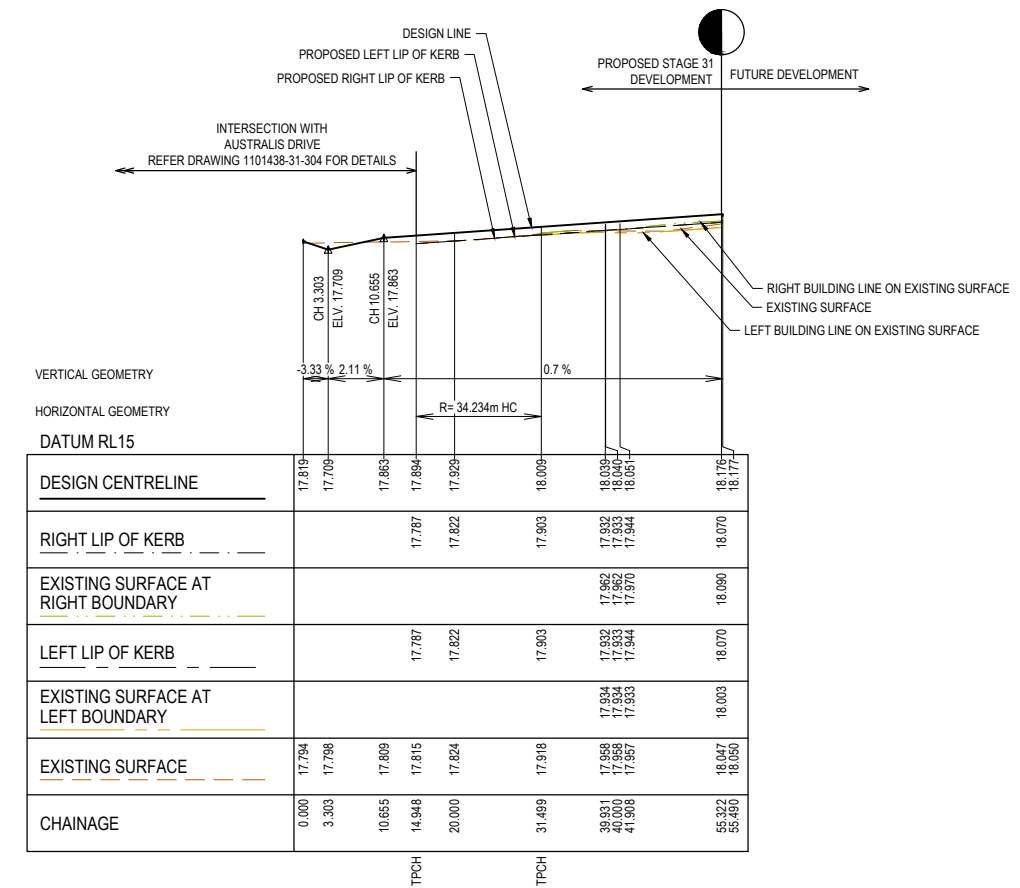
Date: 19/08/2025

Approval subject to conditions on page 5 of 58

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



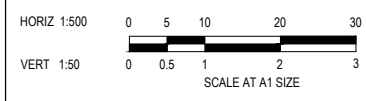
LOAM STREET - ROAD LONGITUDINAL SECTION



BANTRY ROAD - ROAD LONGITUDINAL SECTION

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
Date: 24.04.2024  
Drawn: G.N. / MF.J.  
Checked: S.FALKENSTEIN  
Date: 09.05.2024  
Approved: S.FALKENSTEIN  
Reg. No.: PE01016296  
Date: 09.05.2024  
PS Number: PS921351J

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

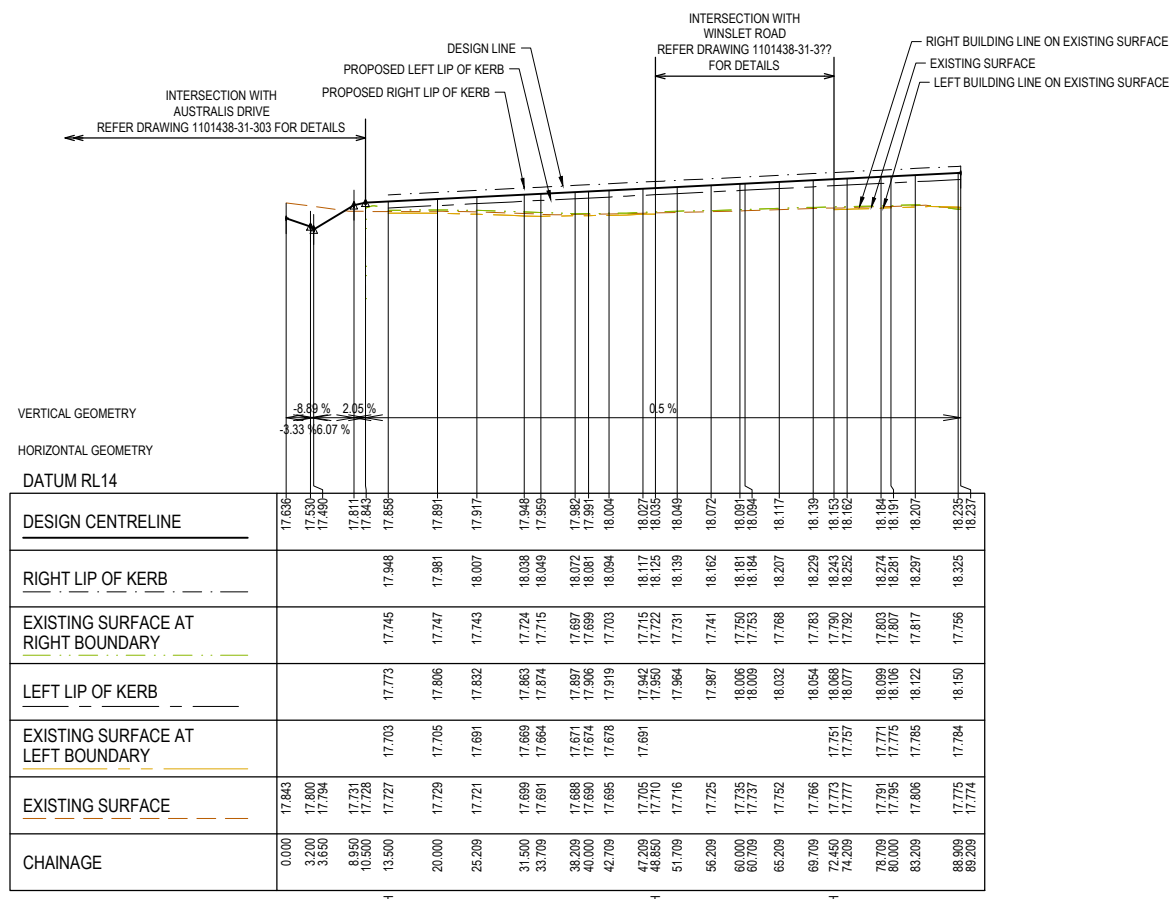
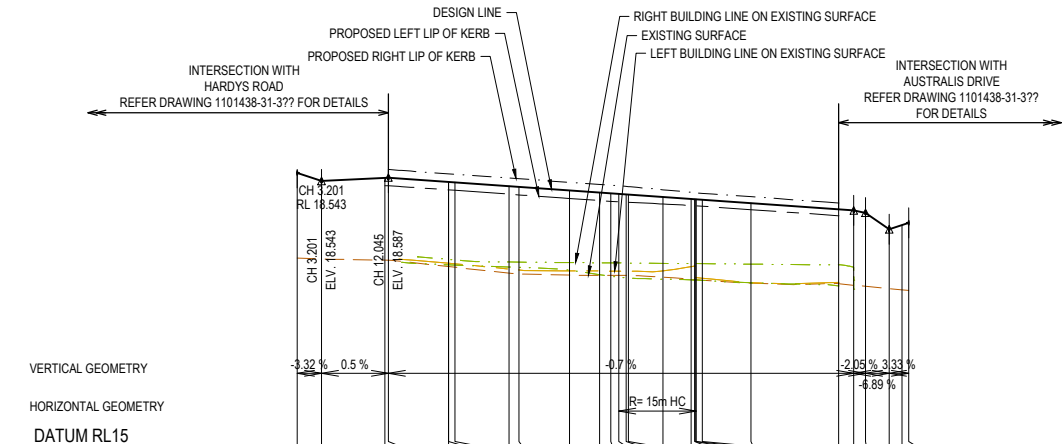
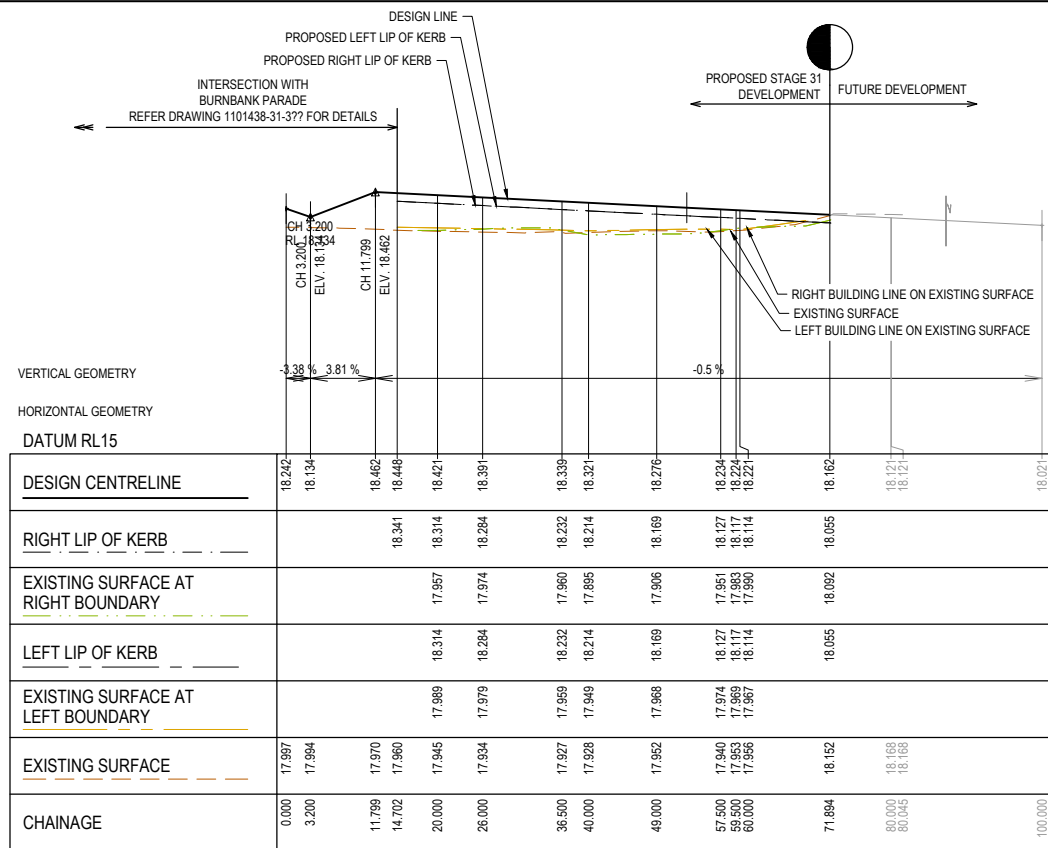
Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
Drawing Title: ROAD LONGITUDINAL SECTIONS BANTRY ROAD & LOAM STREET

Sheet 14 of 58	Scale 1:500 H 1:50 V @ A1
Project Ref 1101438	Stage No 31
Drawing No 104	Rev E

# City of Casey

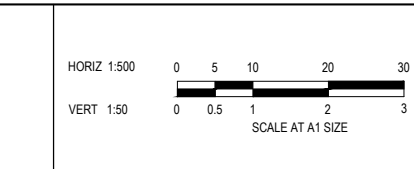
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

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



**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY 24.04.2024  
 Date: G.N. / MF.J.  
 Drawn: S.FALKENSTEIN 09.05.2024  
 Checked: S.FALKENSTEIN 09.05.2024  
 Approved: S.FALKENSTEIN 09.05.2024  
 Reg. No: PE016236  
 Date: 09.05.2024  
 PS Number: PS921351J

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

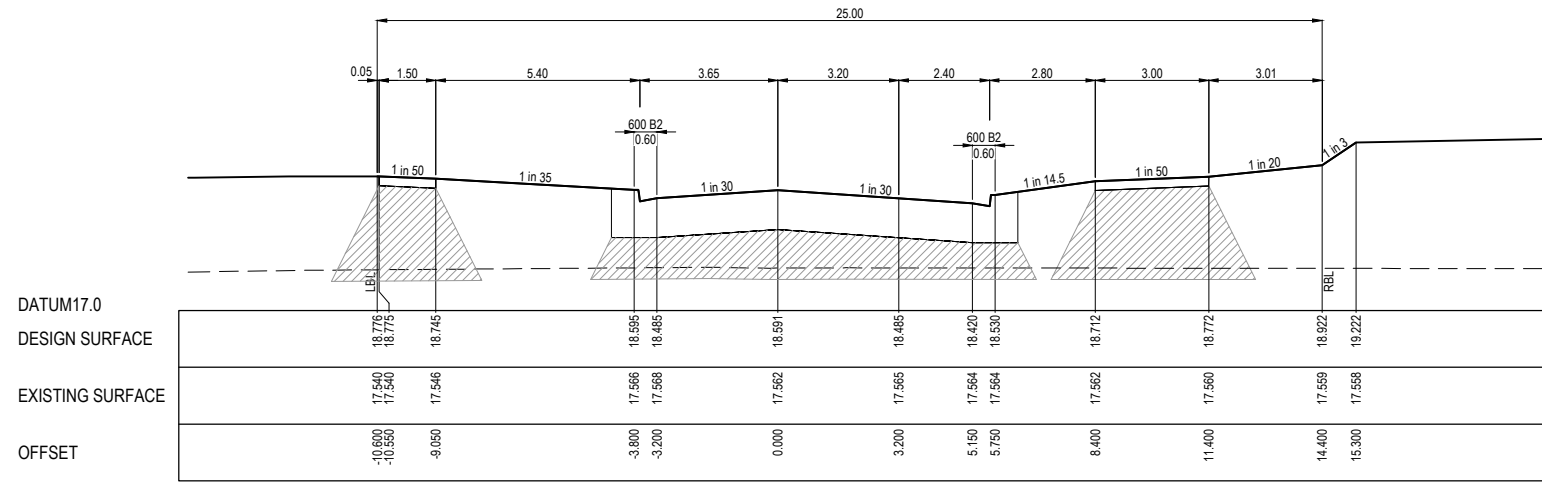
Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: ROAD LONGITUDINAL SECTIONS HAY STREET & REPENS LANE

Sheet	15 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	105
Rev	E

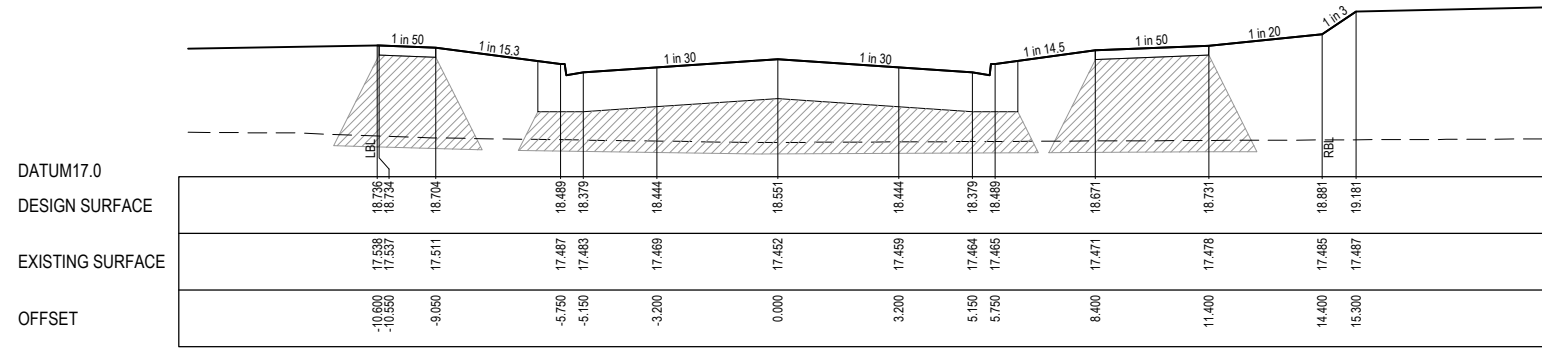
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

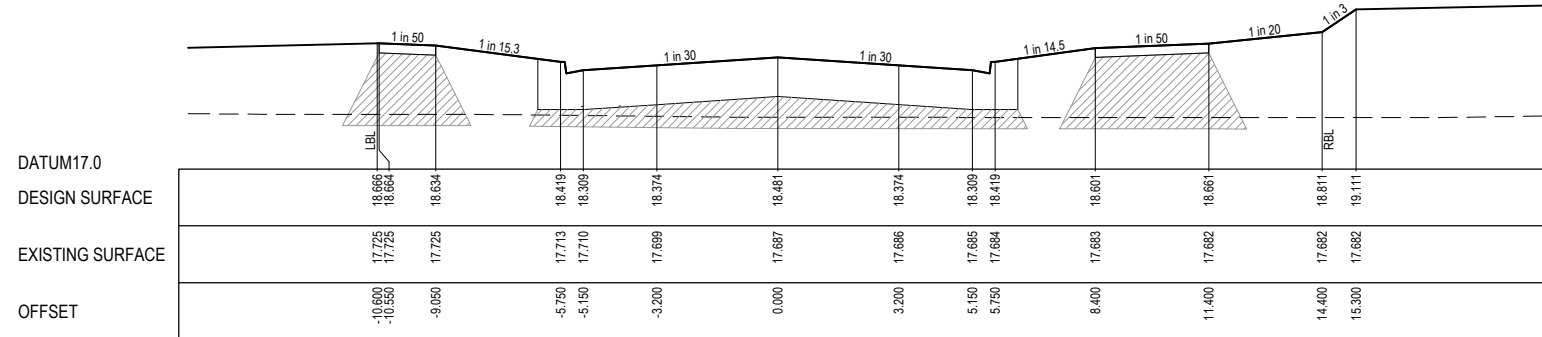
**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



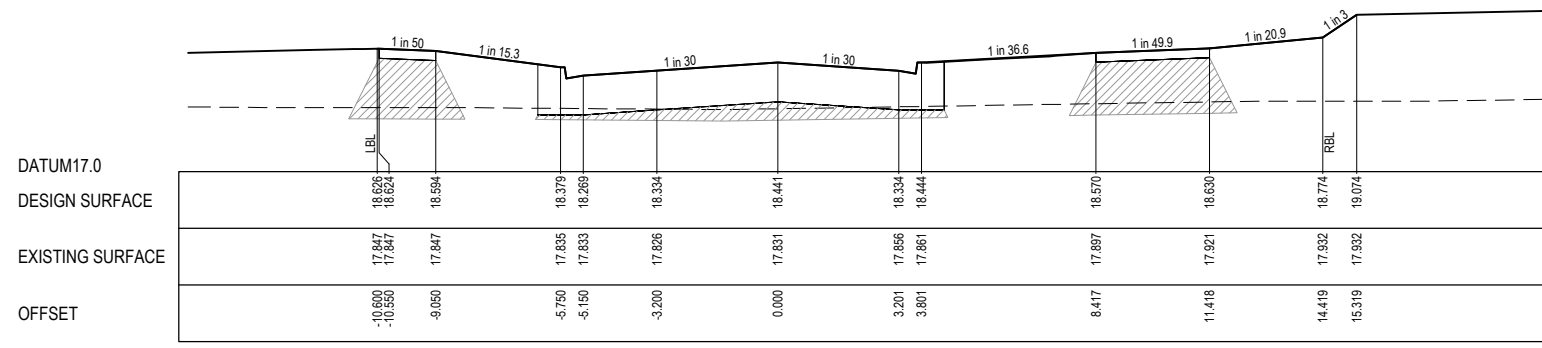
LTPCH 79.112



CH 70.972



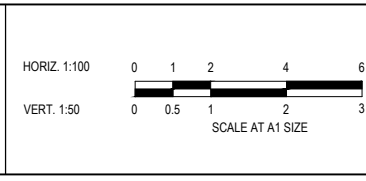
CH 56.972



CH 48.975

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS921351J  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS HARDYS ROAD (SHEET 1 OF 3)

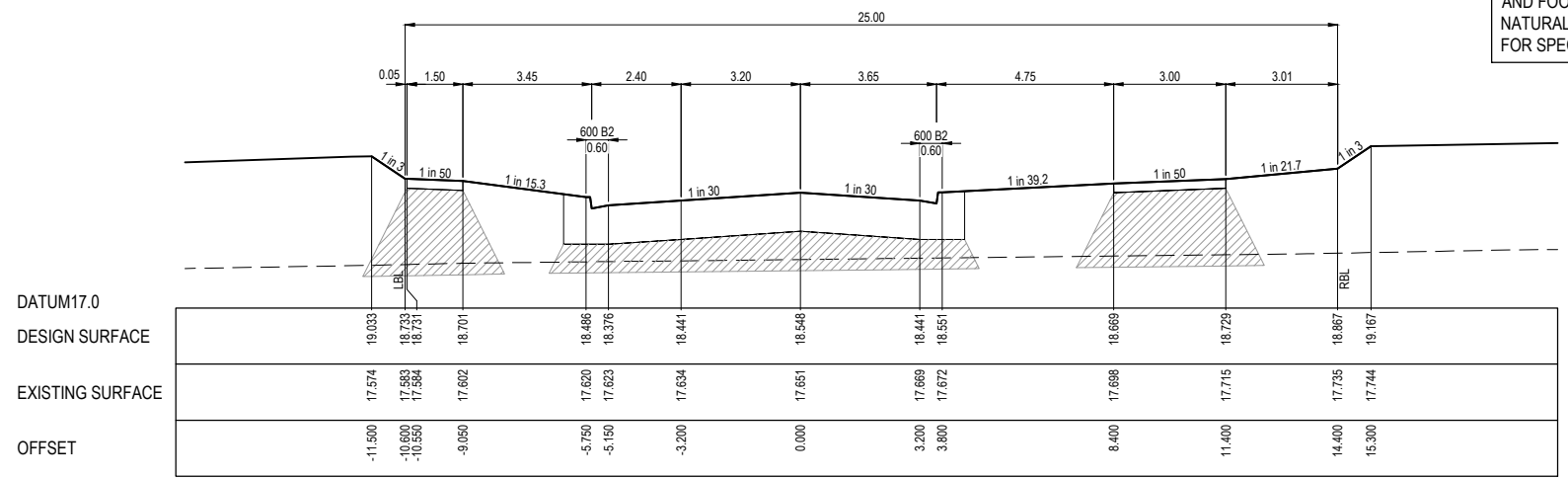
Sheet	16 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	200
Rev	E

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

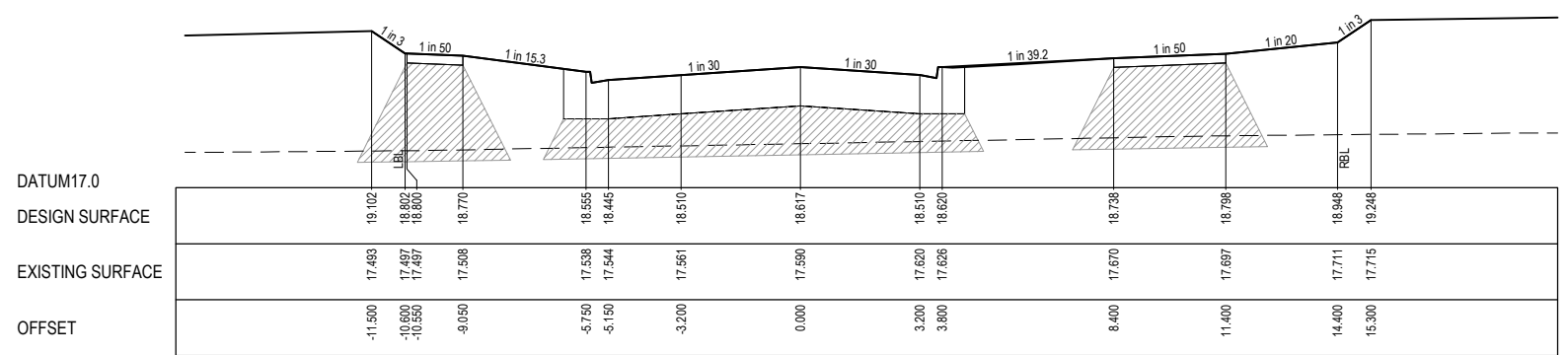
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

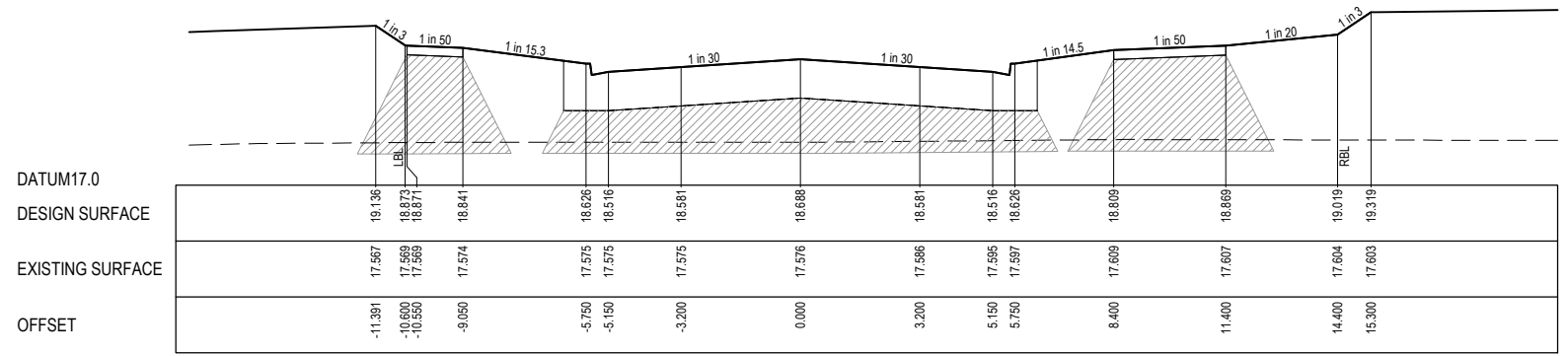
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



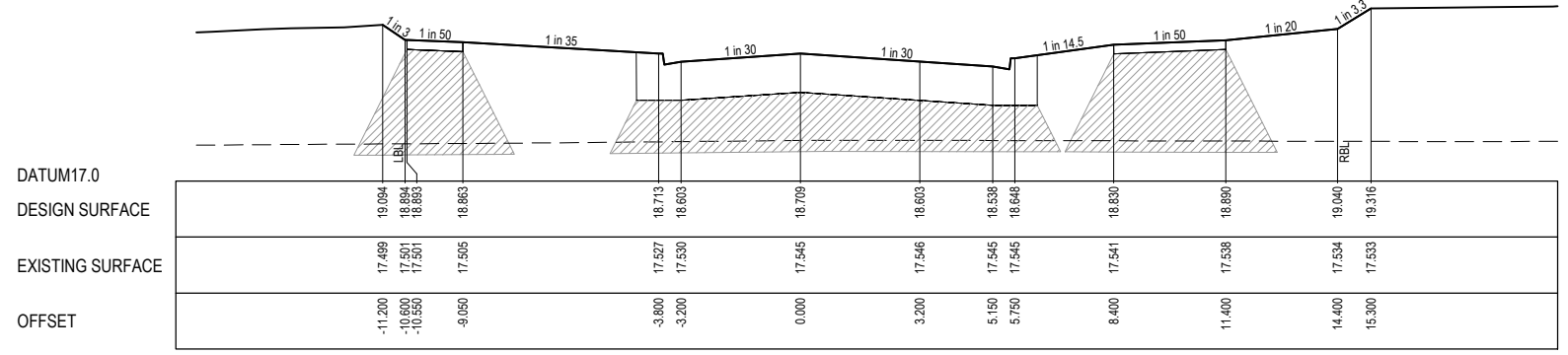
CH 139.472



RTPCH 125.622



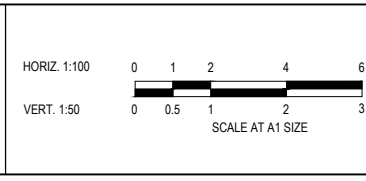
CH 111.472



LTPCH 102.717

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS921351J  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 HARDYS ROAD  
 (SHEET 2 OF 3)

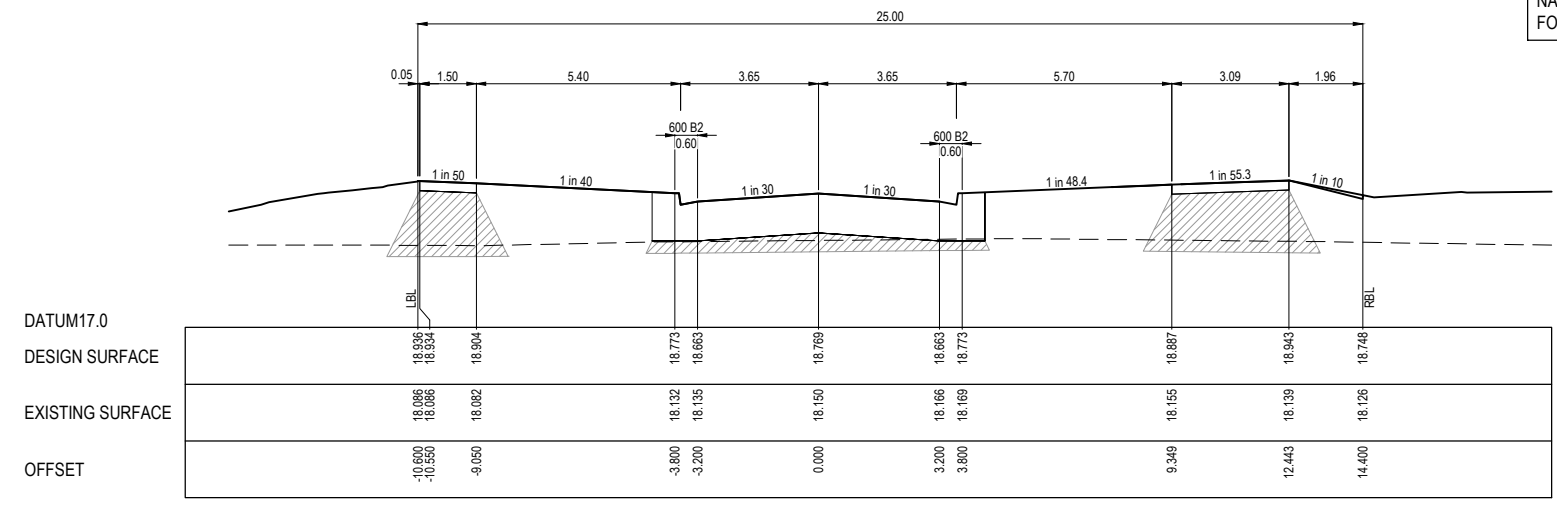
Sheet	17 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	201
Rev	E

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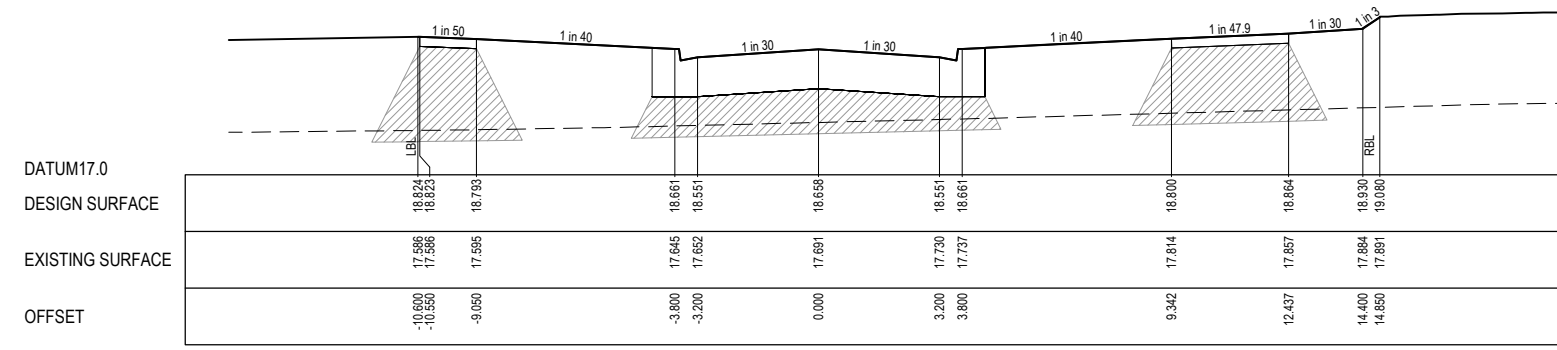
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

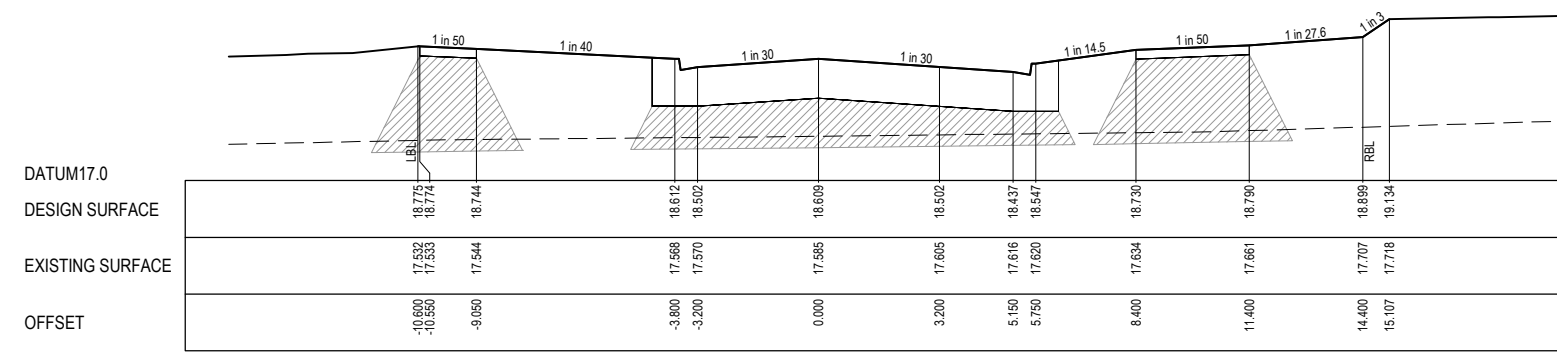
**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



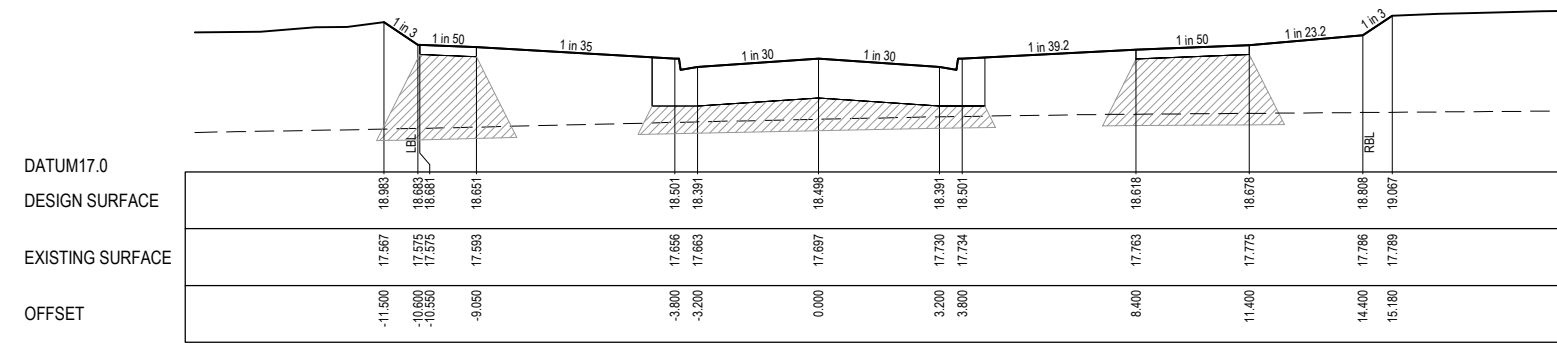
RTPCH 203.874  
(LIMIT OF STAGE 31 WORKS)



RTPCH 181.574



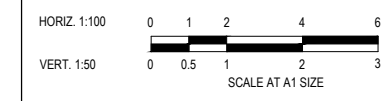
LTPCH 171.809



LTPCH 149.509

**FOR CONSTRUCTION**

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016298  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 HARDYS ROAD  
 (SHEET 3 OF 3)

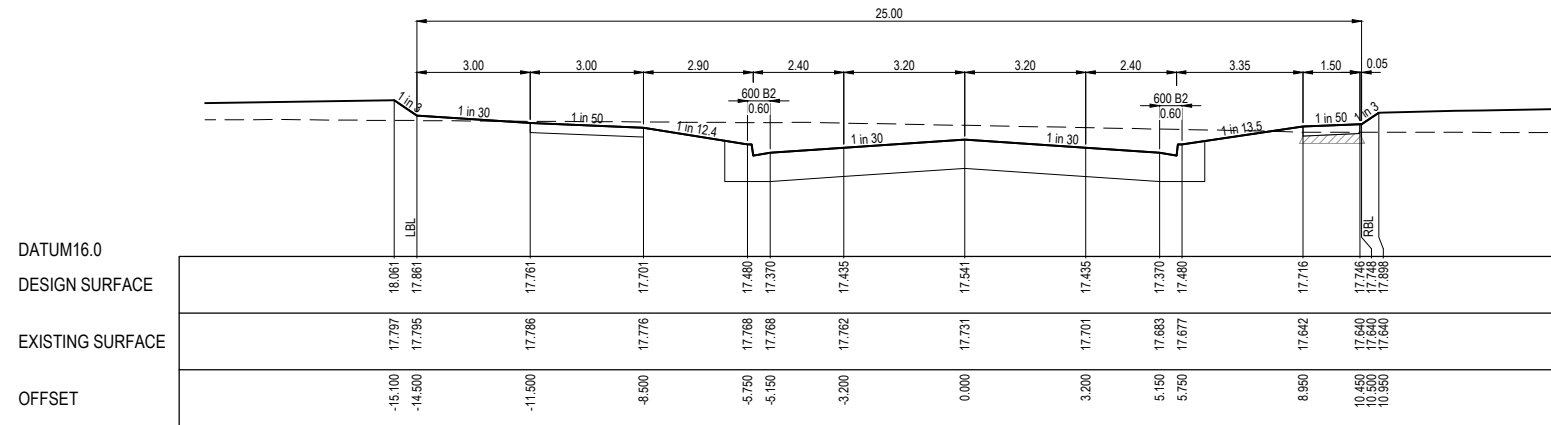
Sheet	18 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	202
Rev	E

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

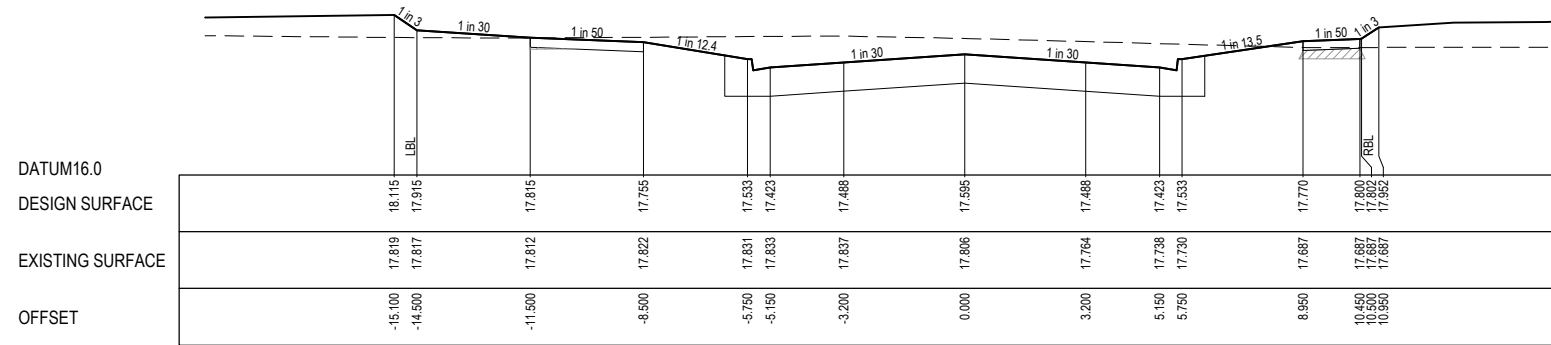
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

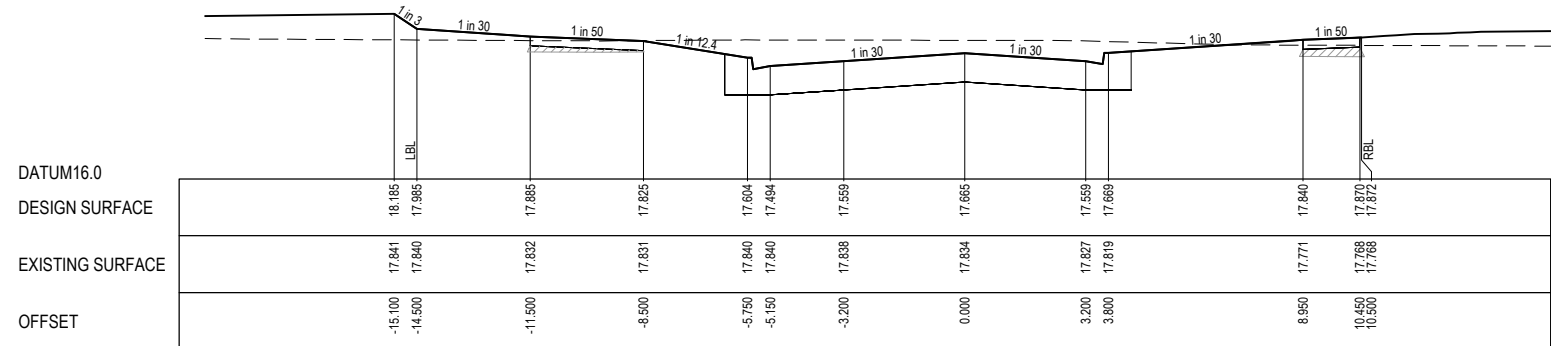
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



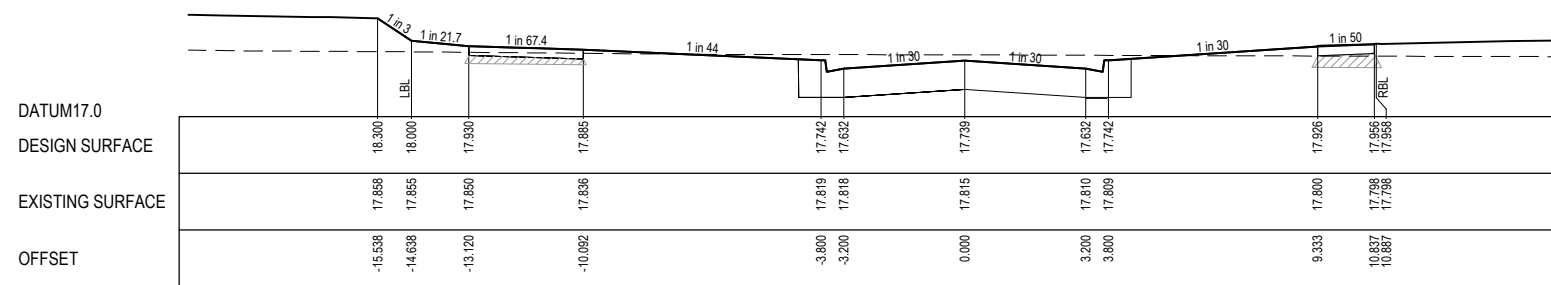
CH 87.679



CH 76.979



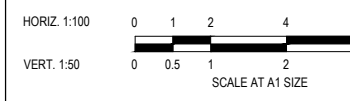
LTPCH 62.916



RTPCH 50.818

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No.: PS2016298  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 AUSTRALIS DRIVE  
 (SHEET 1 OF 4)

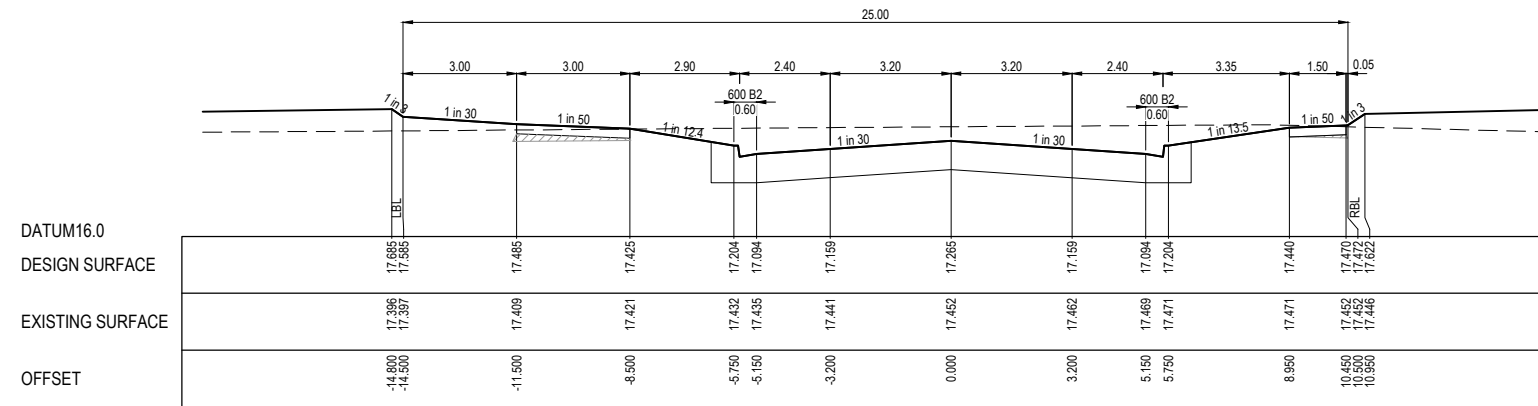
Sheet	19 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	203
Rev	E

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

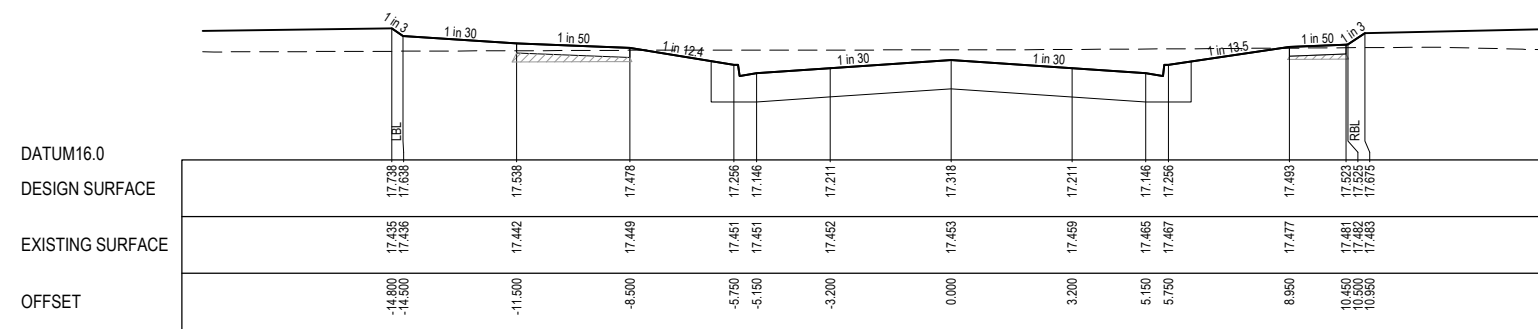
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

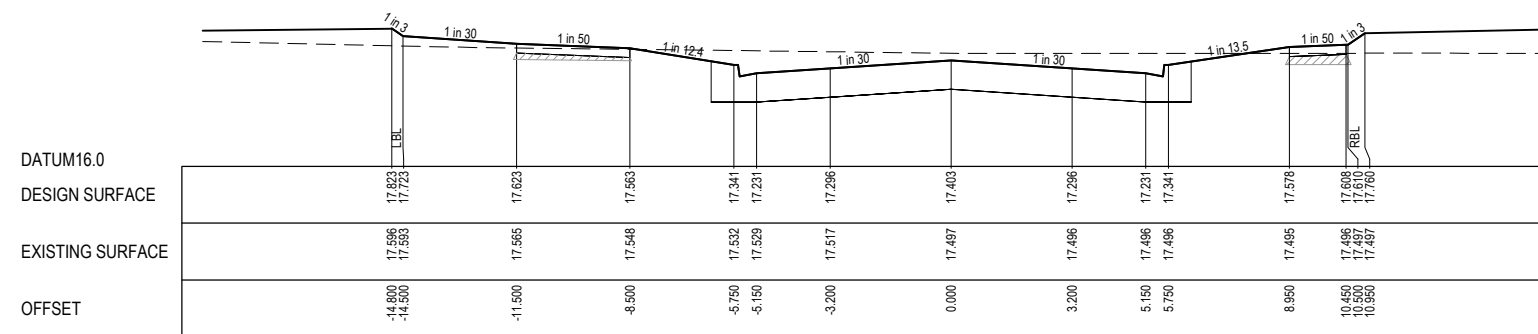
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



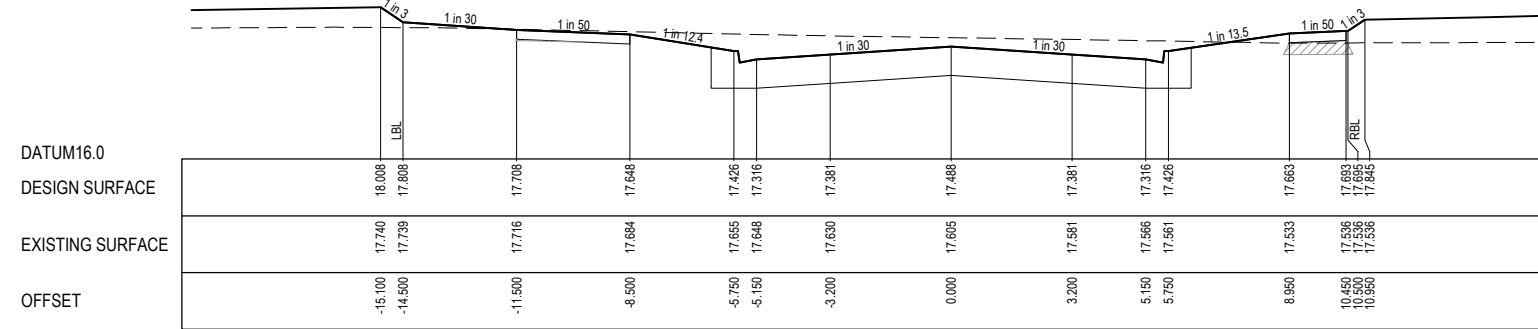
CH 142.886



CH 132.386



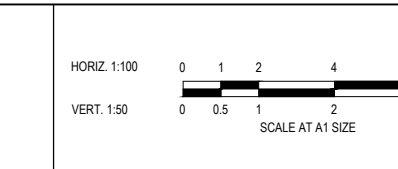
CH 115.380



CH 98.380

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY 24.04.2024  
 Date: G.N. / MF.J.  
 Drawn: S.FALKENSTEIN 09.05.2024  
 Checked: S.FALKENSTEIN 09.05.2024  
 Approved: S.FALKENSTEIN 09.05.2024  
 Reg. No. PS921351J  
 Date: PS Number

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: ROAD CROSS SECTIONS AUSTRALIS DRIVE (SHEET 2 OF 4)

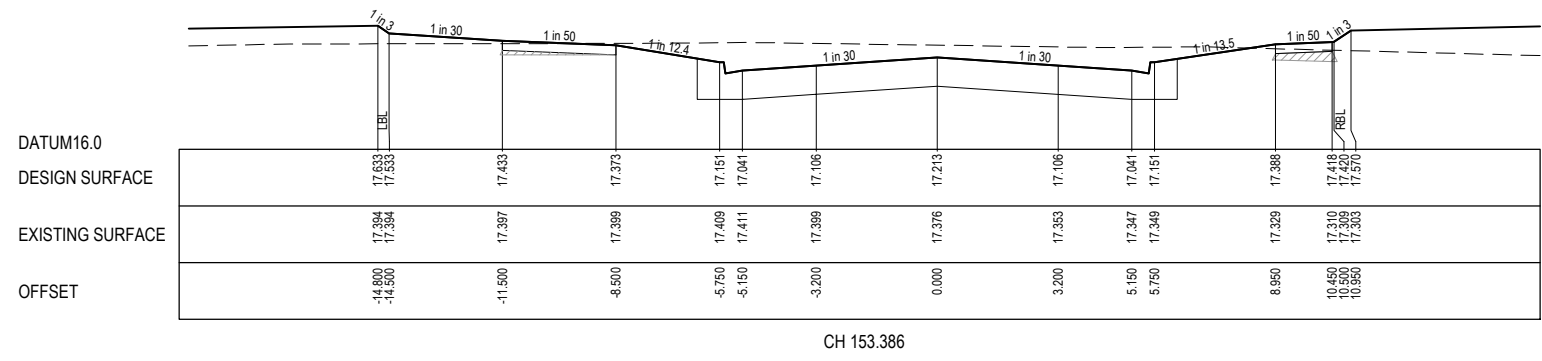
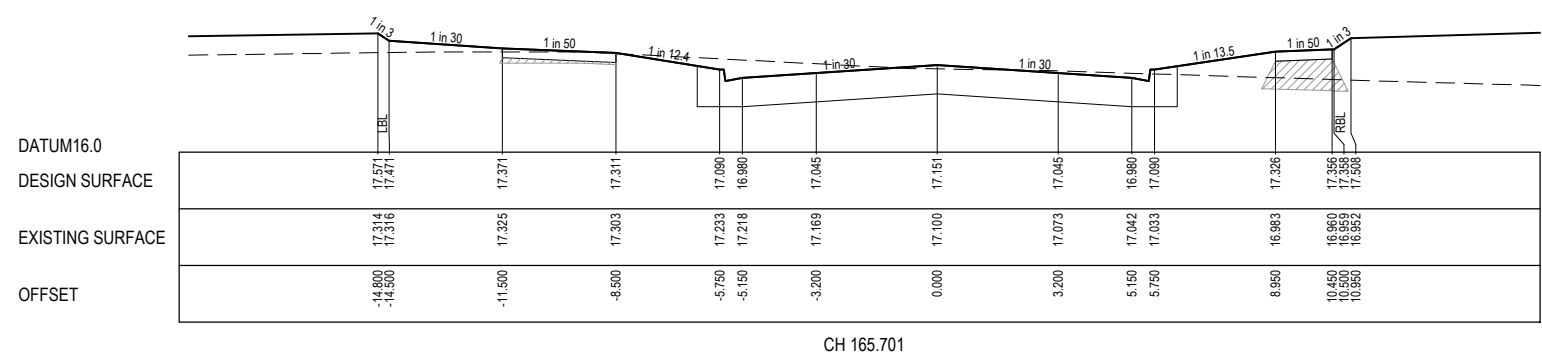
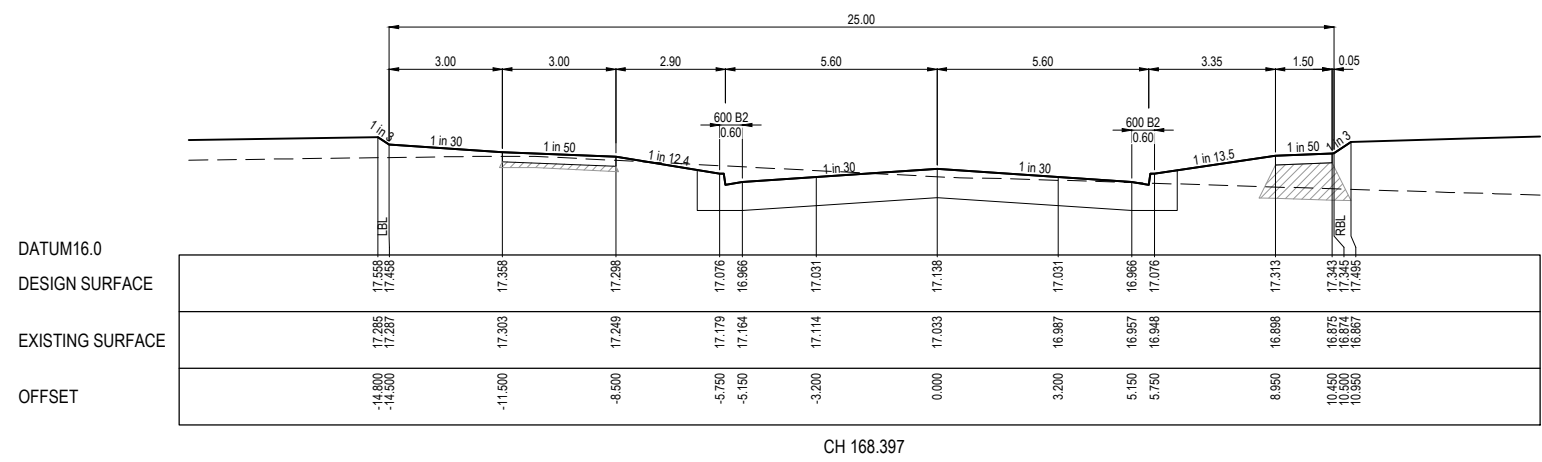
Sheet	20 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	204
Rev	E

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

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

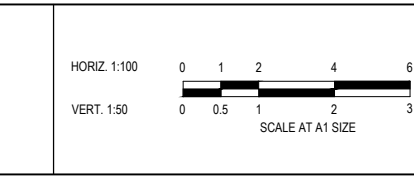
**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



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REV	DESCRIPTION	DATE	DRN.	APP.	REV.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY	



Designed: LMURRAY  
Date: 24.04.2024  
Drawn: G.N. / MF.J.

Checked: S.FALKENSTEIN  
Date: 09.05.2024

Approved: S.FALKENSTEIN  
Reg. No.: P63016298  
Date: 09.05.2024

PS Number: PS921351J

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

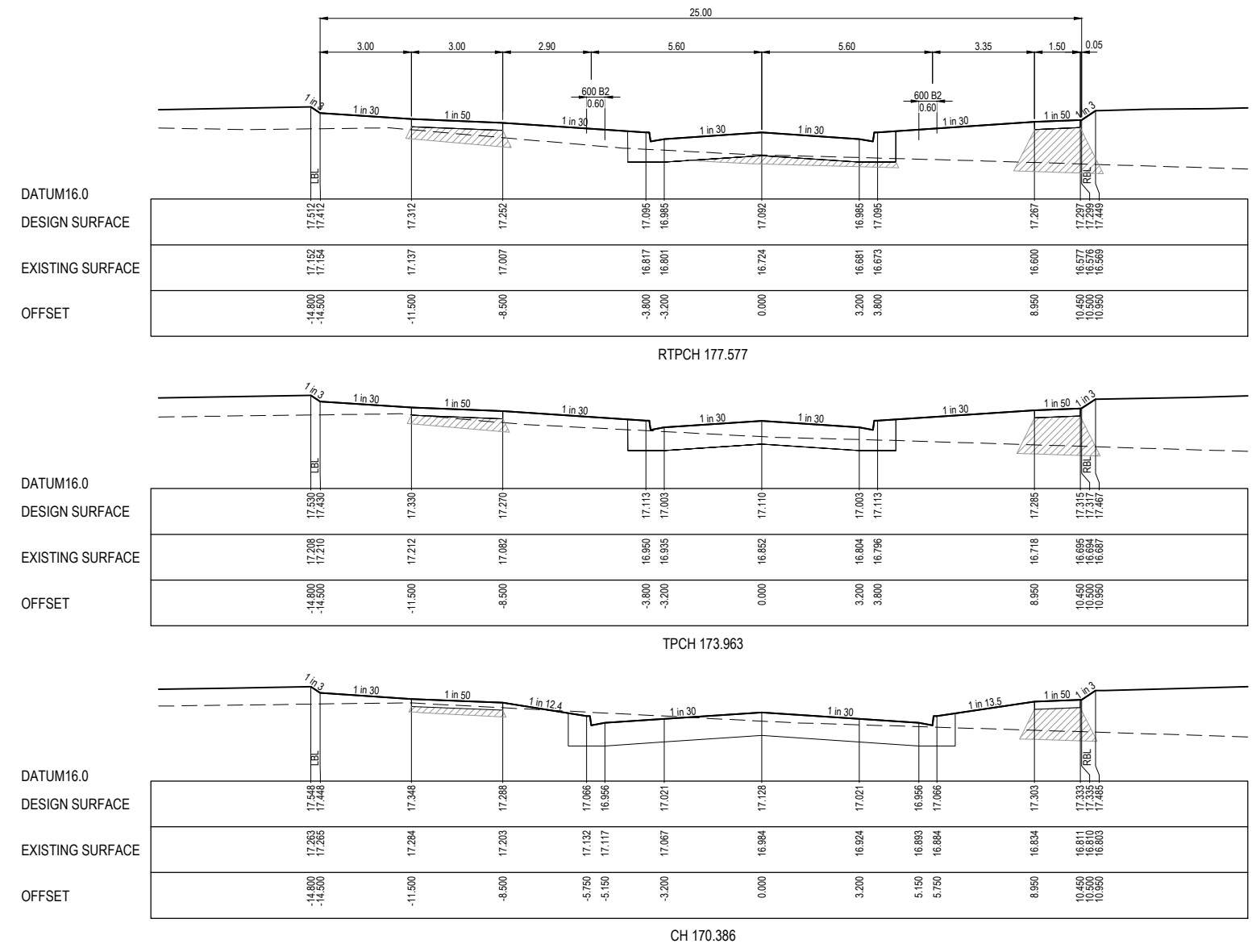
Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS AUSTRALIS DRIVE (SHEET 3 OF 4)

Sheet	21 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	205
Rev	E

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

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

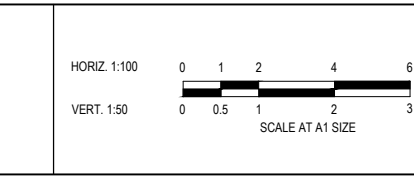
**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



F

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	CROSS SECTIONS AMENDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: P6301638  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 AUSTRALIS DRIVE  
 (SHEET 4 OF 4)

Sheet	22 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	206
Rev	F

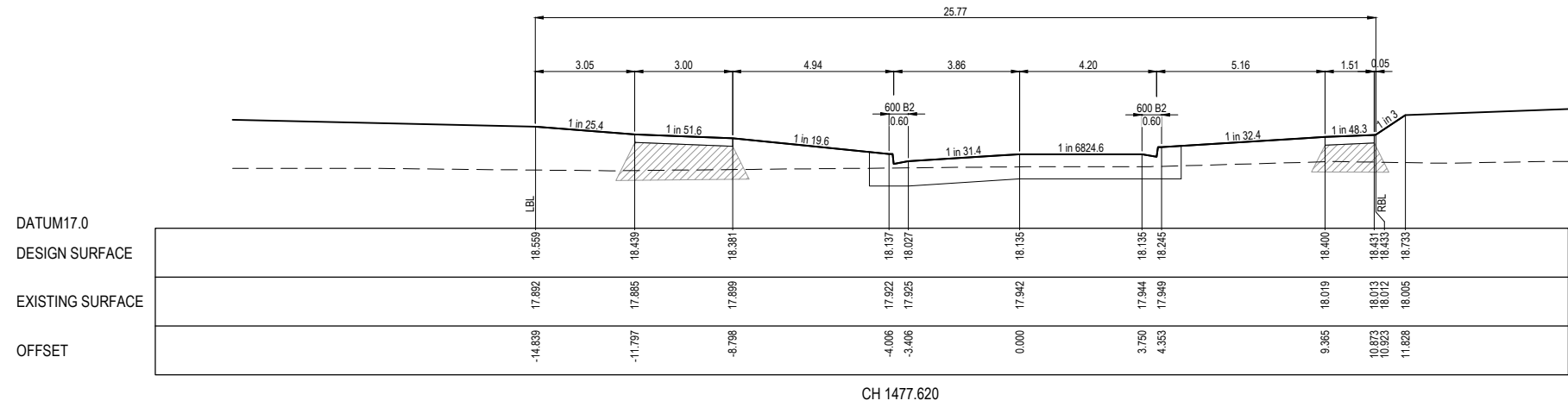
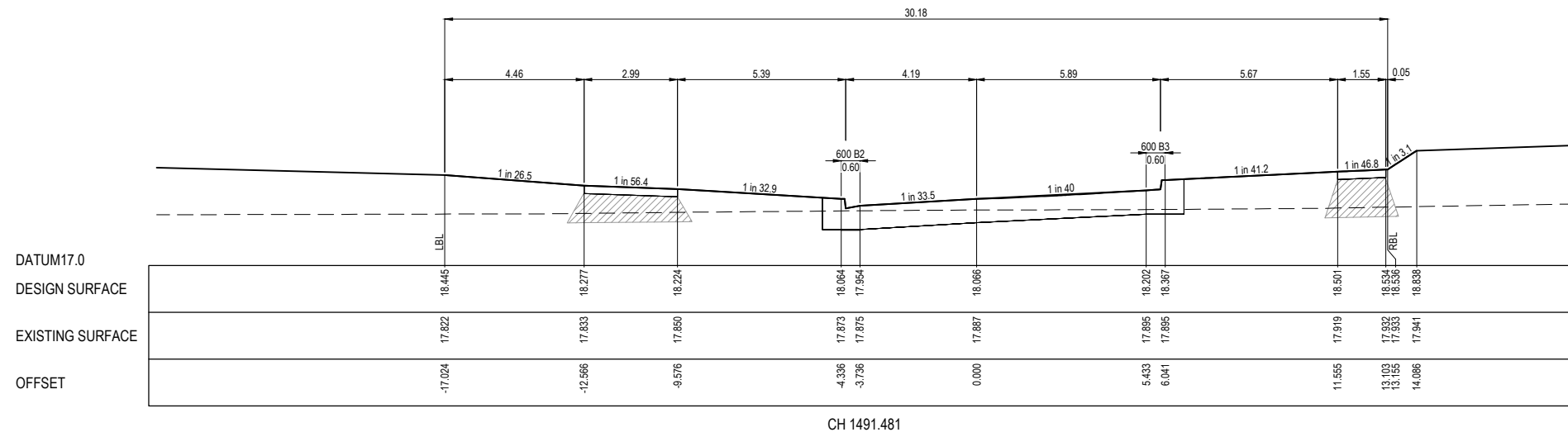


LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

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

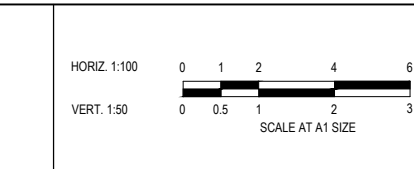
**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No.: PE016296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS BURNBANK PARADE (SHEET 2 OF 2)

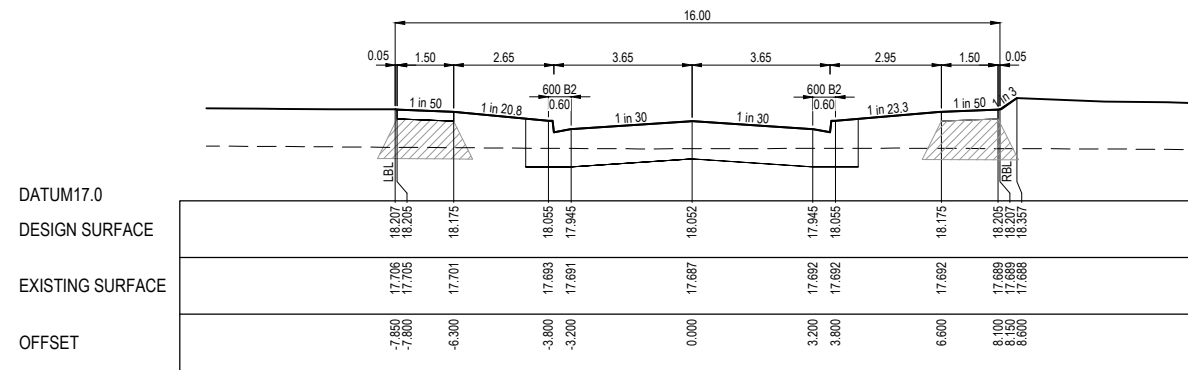
Sheet	24 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	208
Rev	E

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

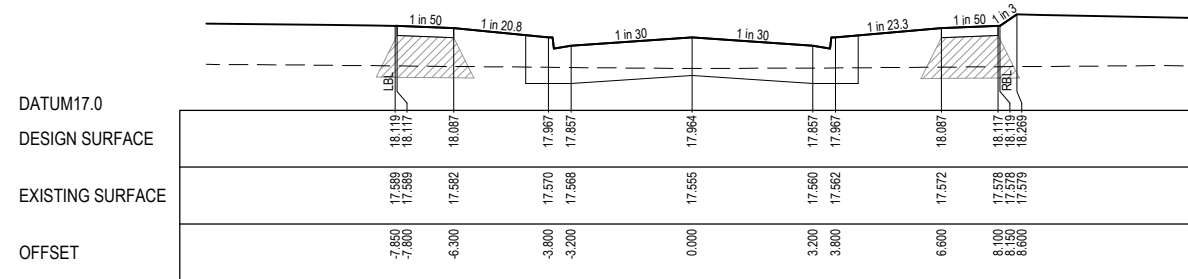
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

**City of Casey**

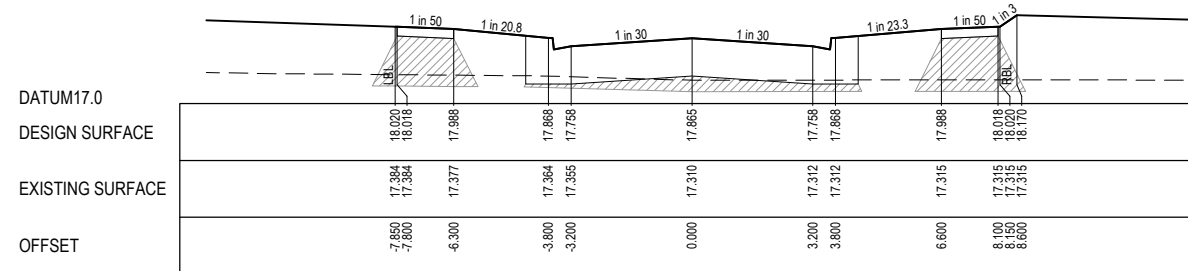
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



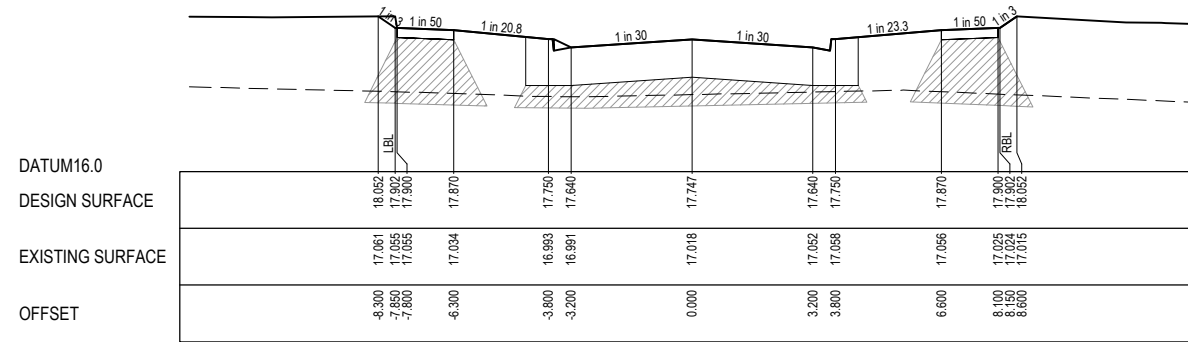
TPCH 72.228



CH 54.668



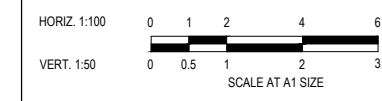
CH 34.750



TPCH 11.150

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS921351J  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 WINSLET ROAD

Sheet	25 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	209
Rev	E

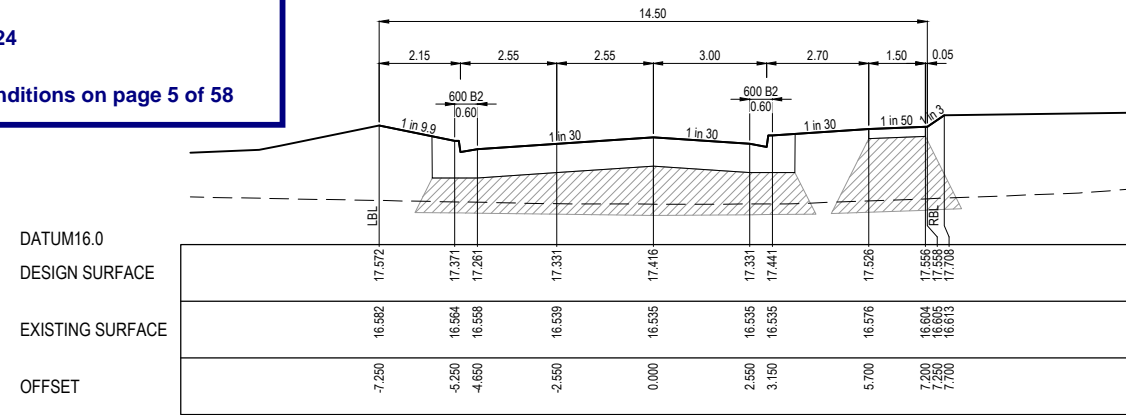
# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

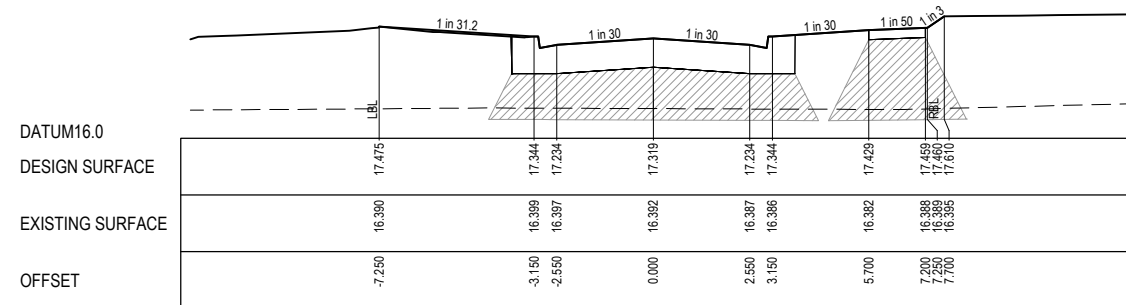
Approval subject to conditions on page 5 of 58

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

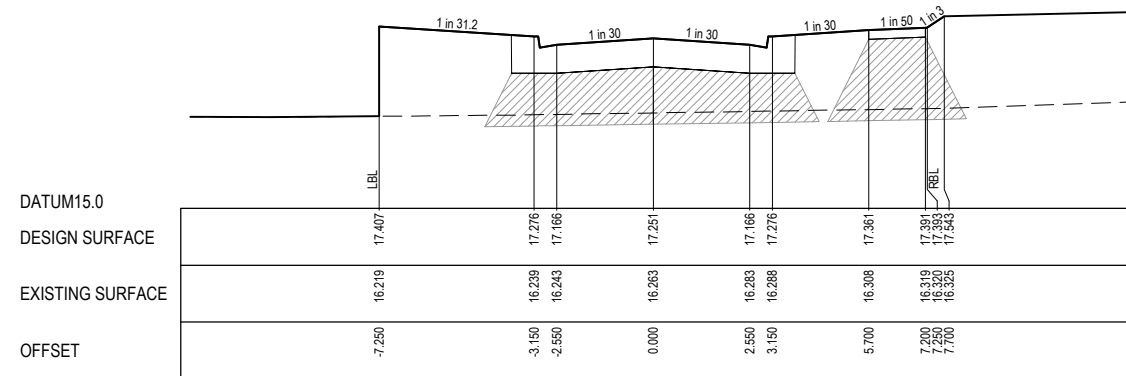
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



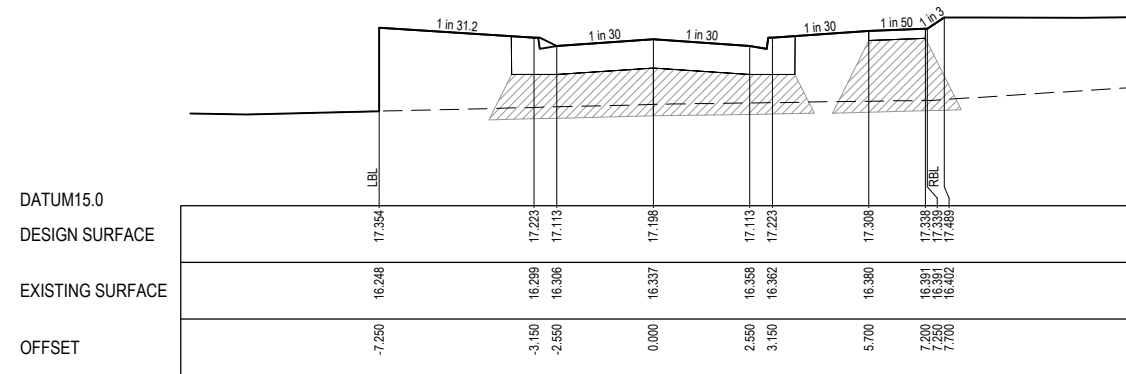
CH 57.996



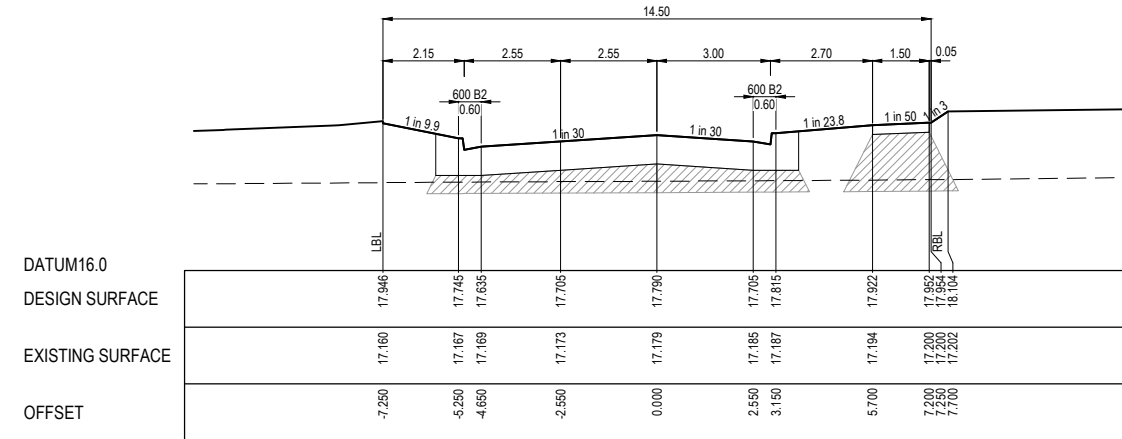
TPCH 38.555



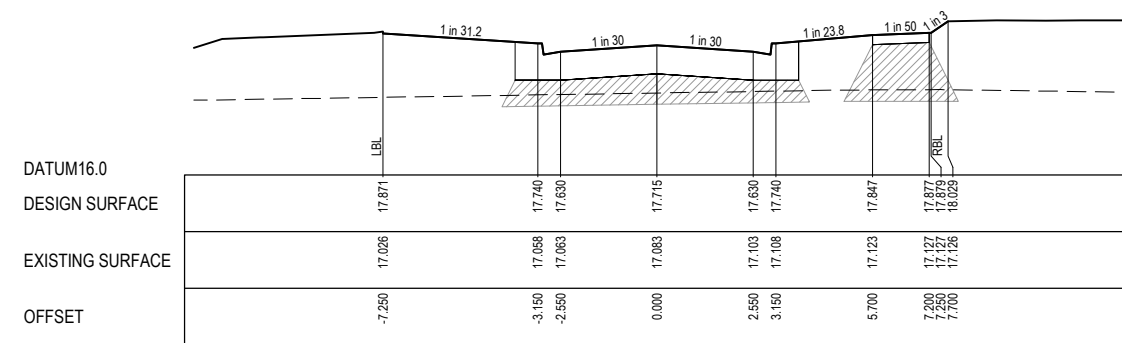
TPCH 24.975



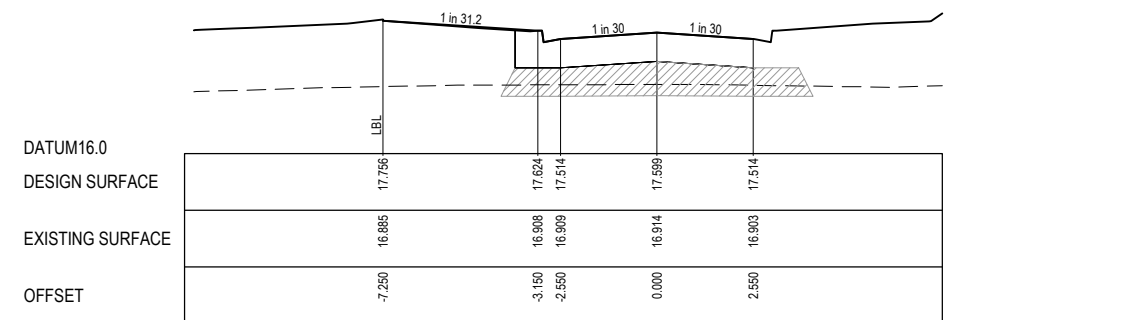
TPCH 14.352



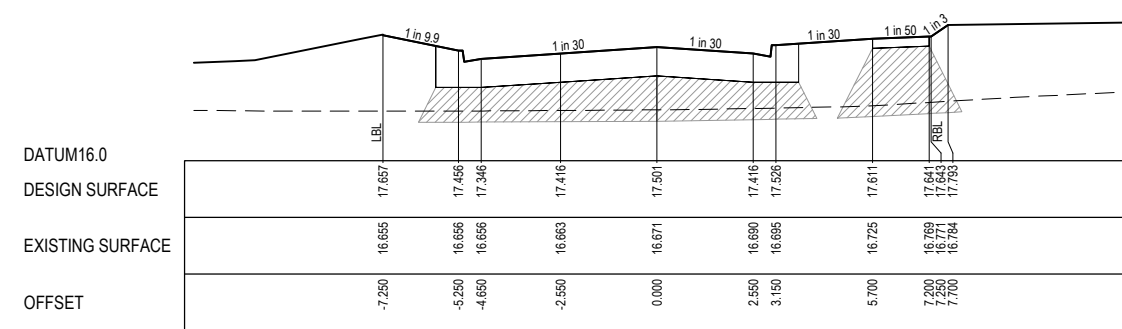
CH 132.767



RTPCH 117.852



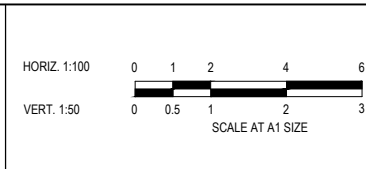
LTPCH 94.659



CH 74.996

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: P63016298  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS MORLEY STREET (SHEET 1 OF 2)

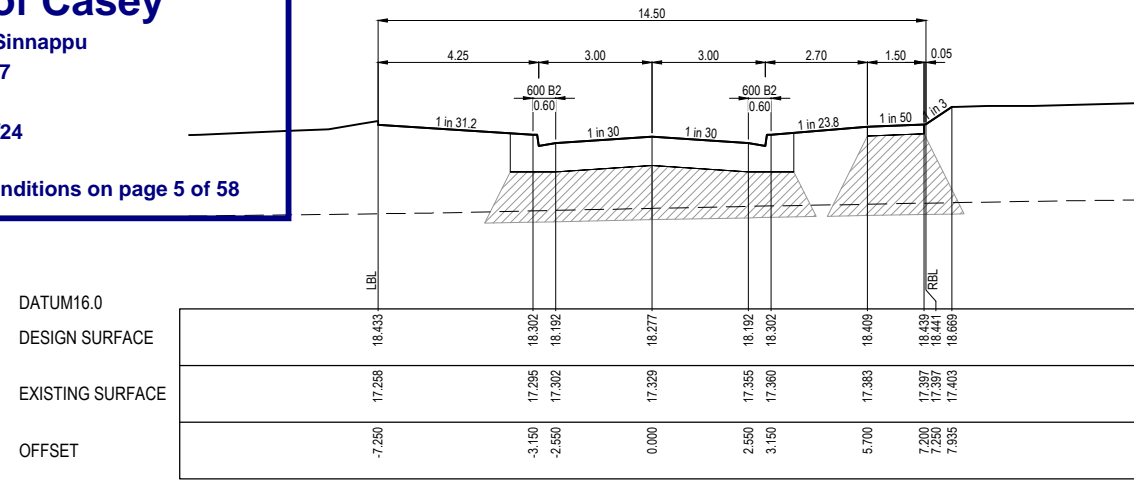
Sheet	26 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	210
Rev	E

# City of Casey

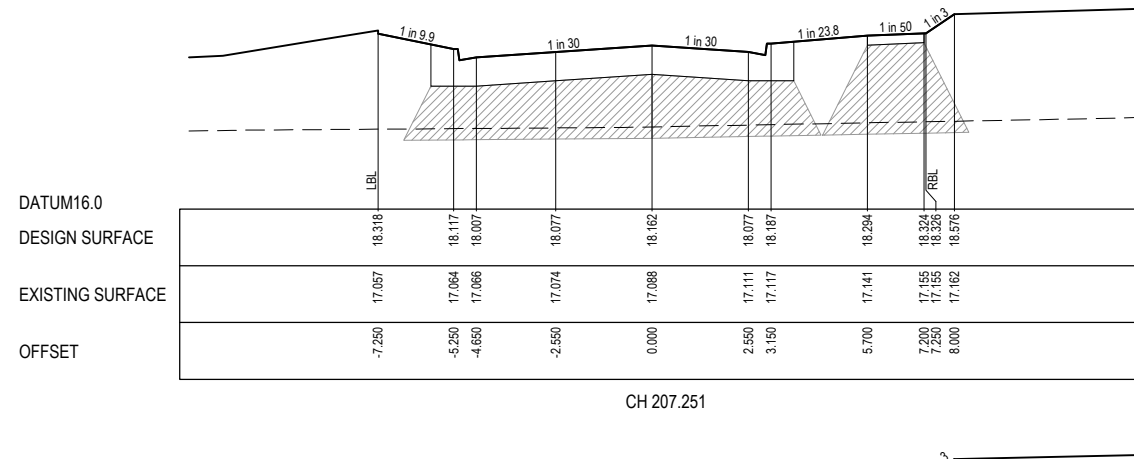
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

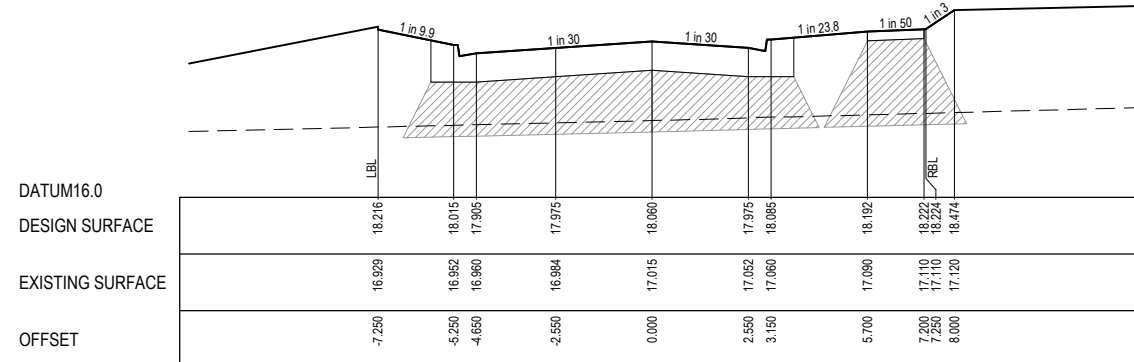
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



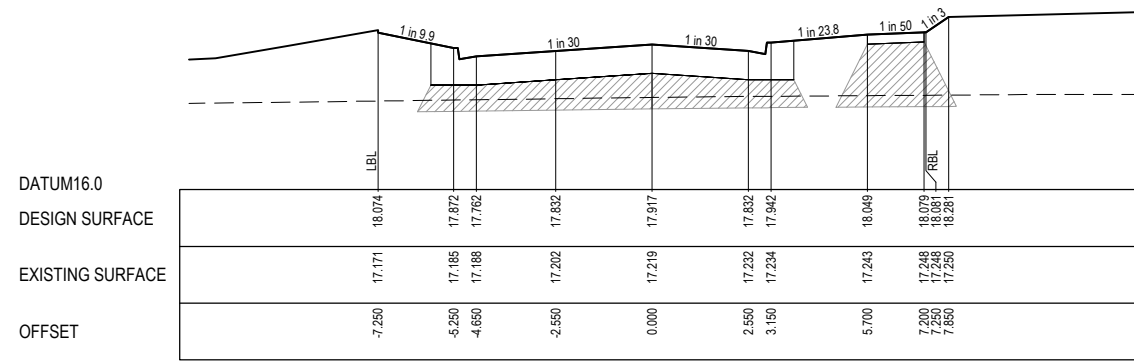
TPCH 230.191



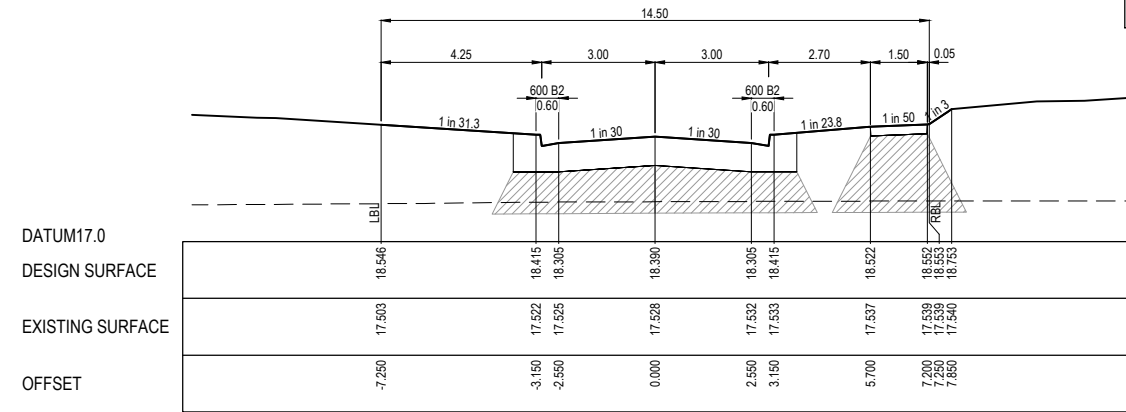
CH 207.251



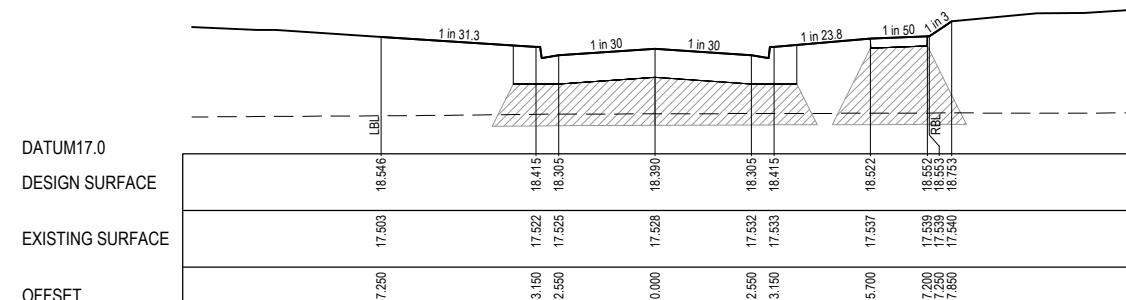
CH 186.825



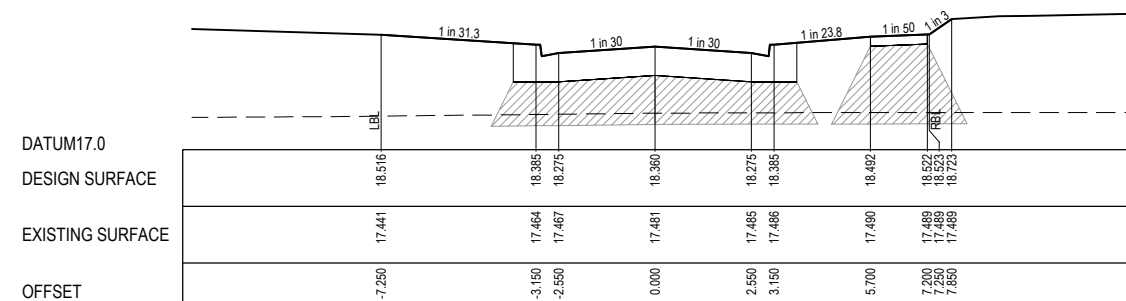
CH 158.267



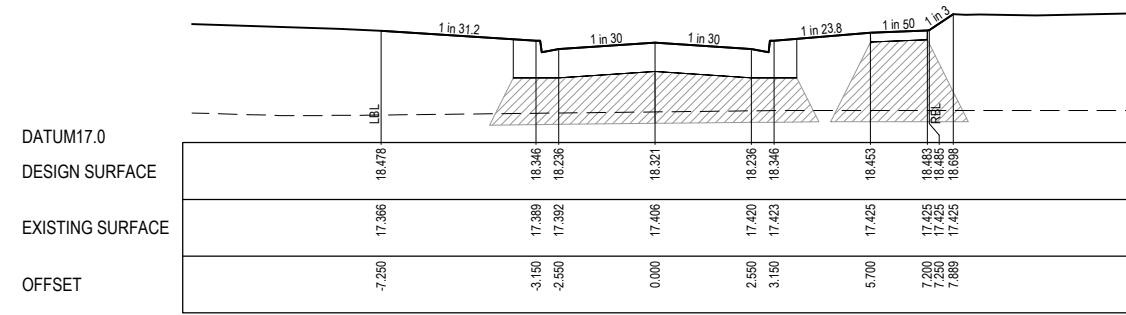
TPCH 252.727



CH 252.726



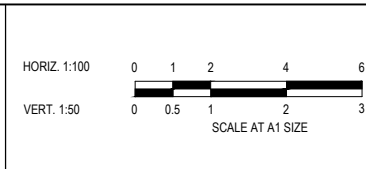
CH 246.726



TPCH 239.062

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					






Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016236  
 Date: 09.05.2024  
 PS Number: PS921351J

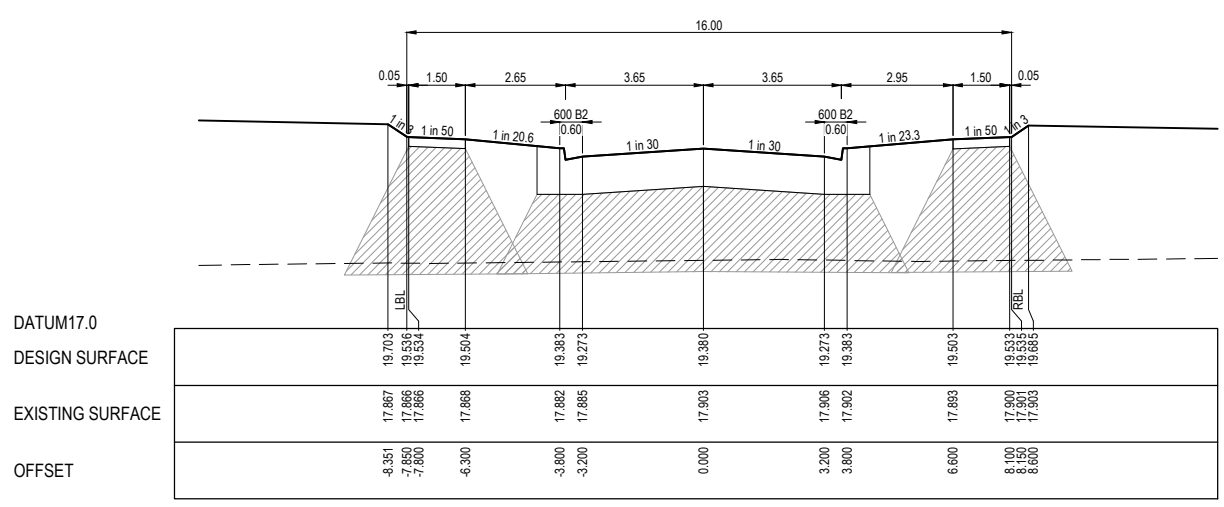
**Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details	Project Ref	Stage No	Drawing No	Rev
SMITHS LANE STAGE 31 CITY OF CASEY	1101438	31	211	E

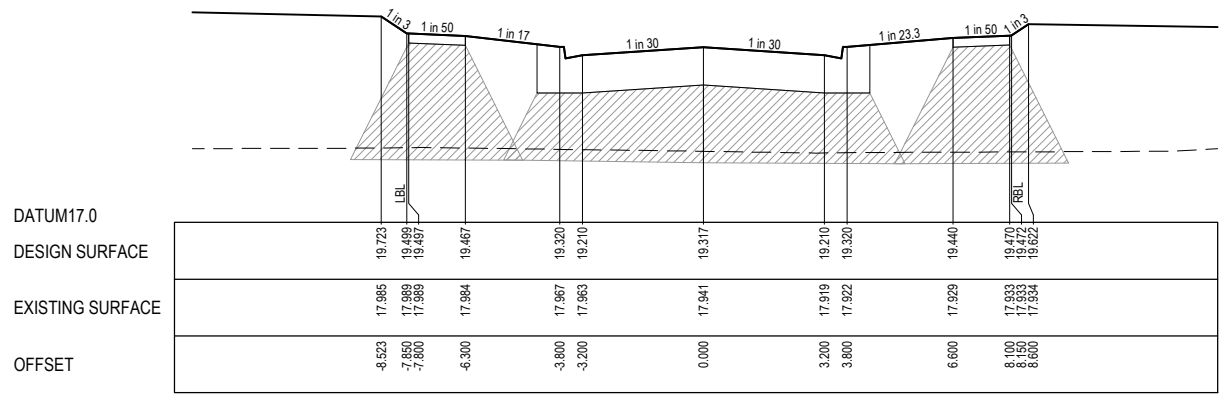
Sheet	Scale
27 of 58	1:100 H 1:50 V @ A1

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

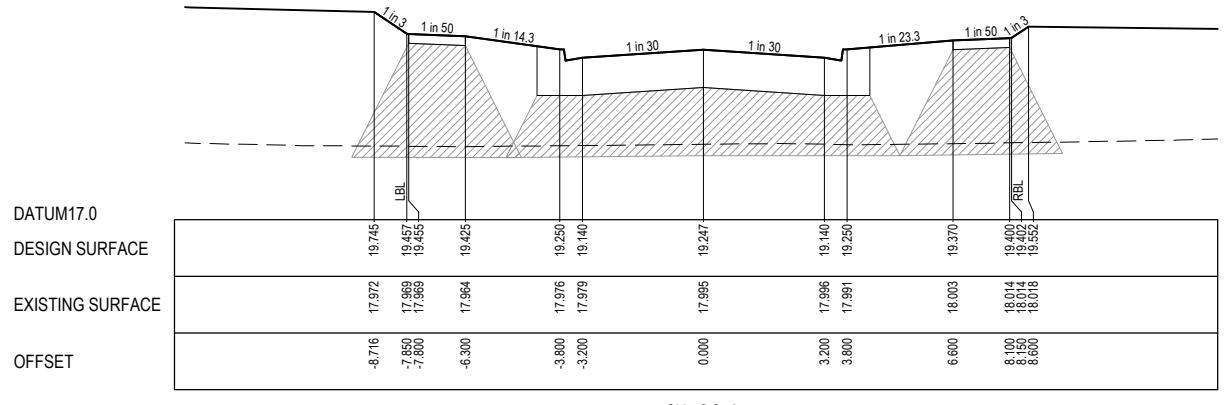
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



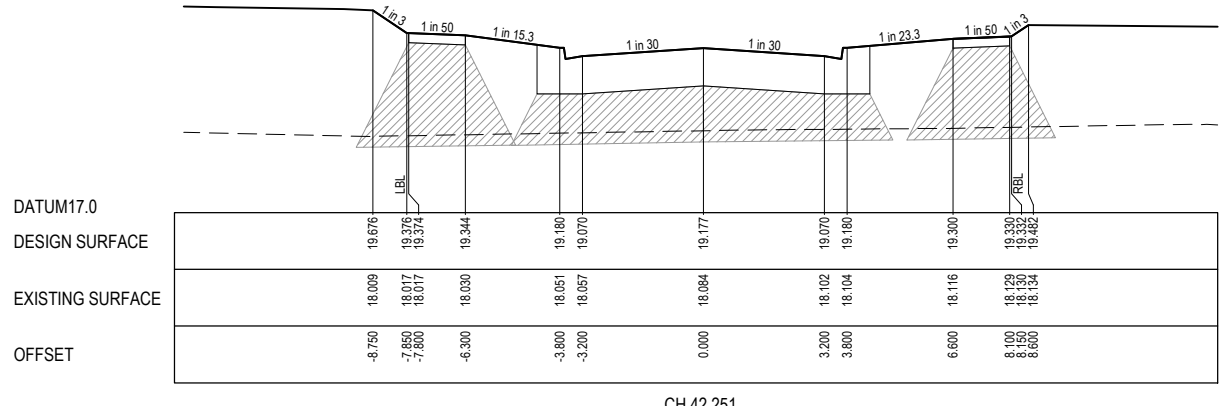
CH 82.751



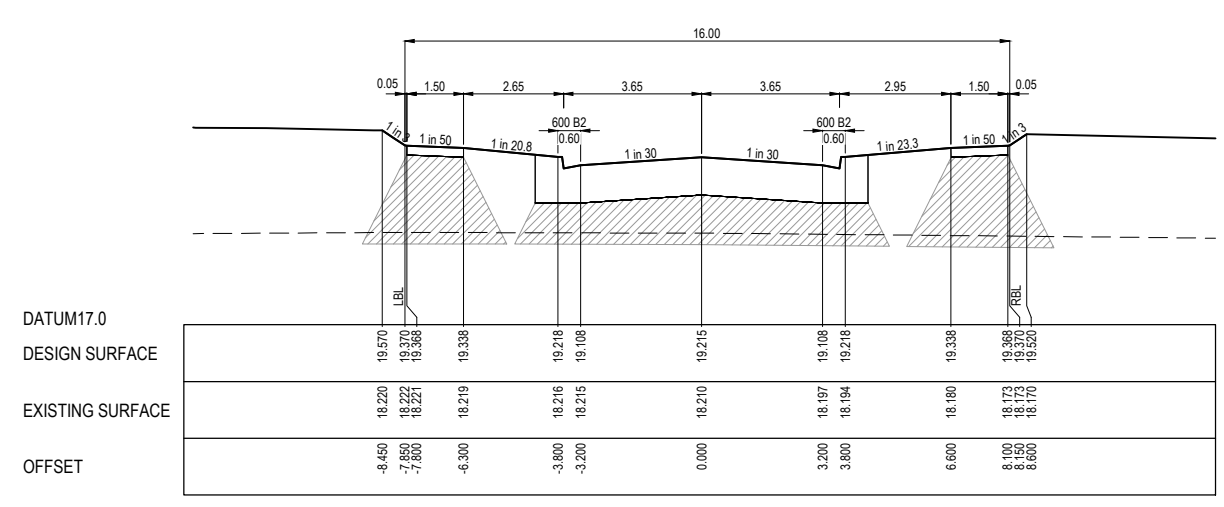
CH 70.251



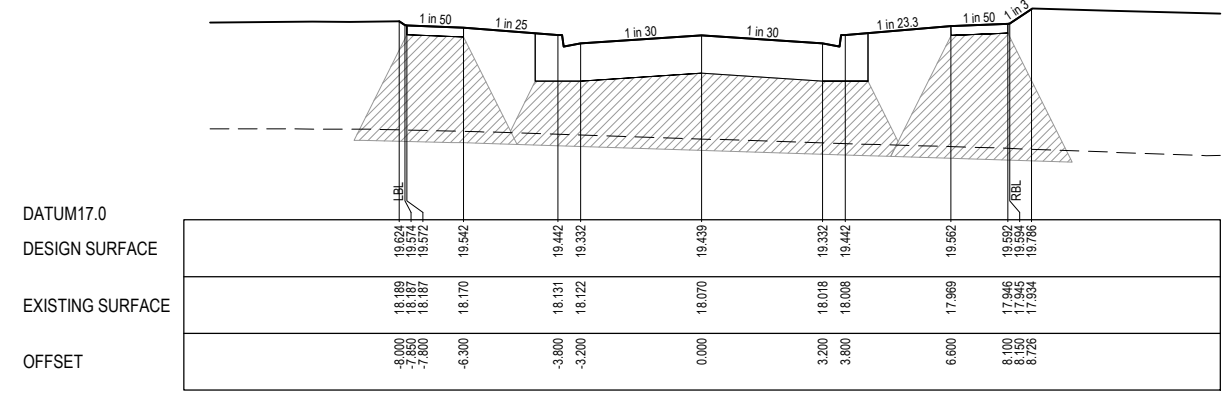
CH 56.251



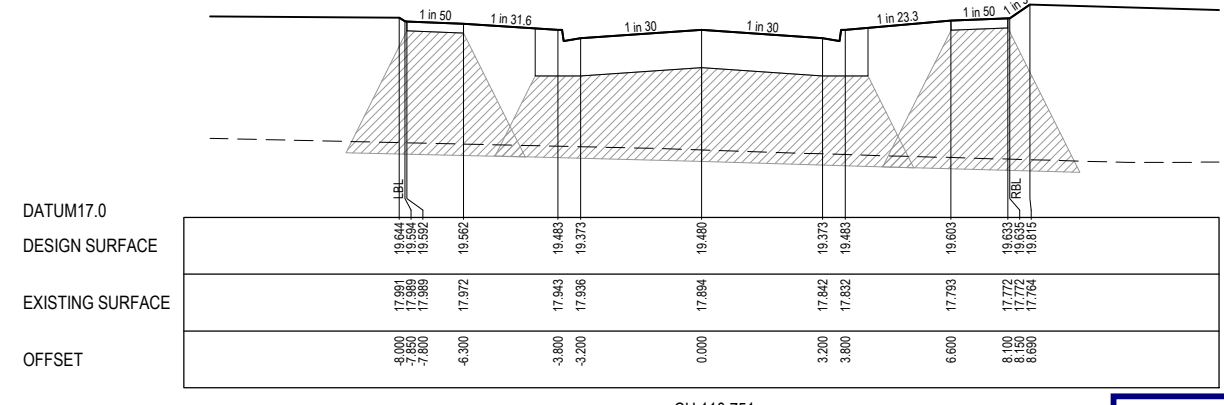
CH 42.251  
(LIMIT OF STAGE 31 WORKS)



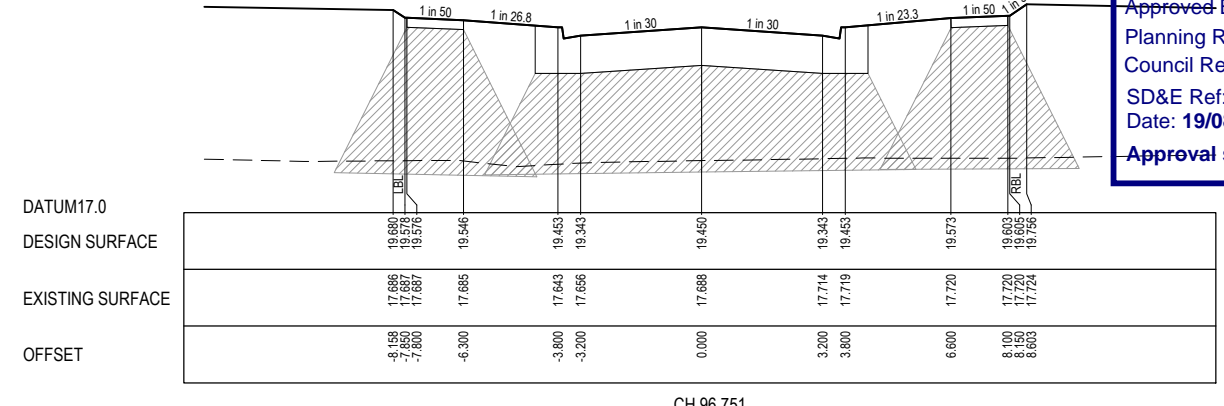
TP 139.807



TP 116.499



CH 110.751

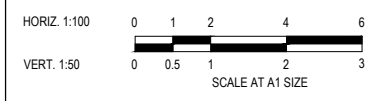


CH 96.751

**City of Casey**  
 Approved By: Timothy Sinnappu  
 Planning Ref: PA21-0407  
 Council Ref: R6308  
 SD&E Ref: SEng00078/24  
 Date: 19/08/2025  
 Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS9161636  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 ROCKFIELD CIRCUIT  
 (SHEET 1 OF 2)

Sheet	28 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	212
Rev	E

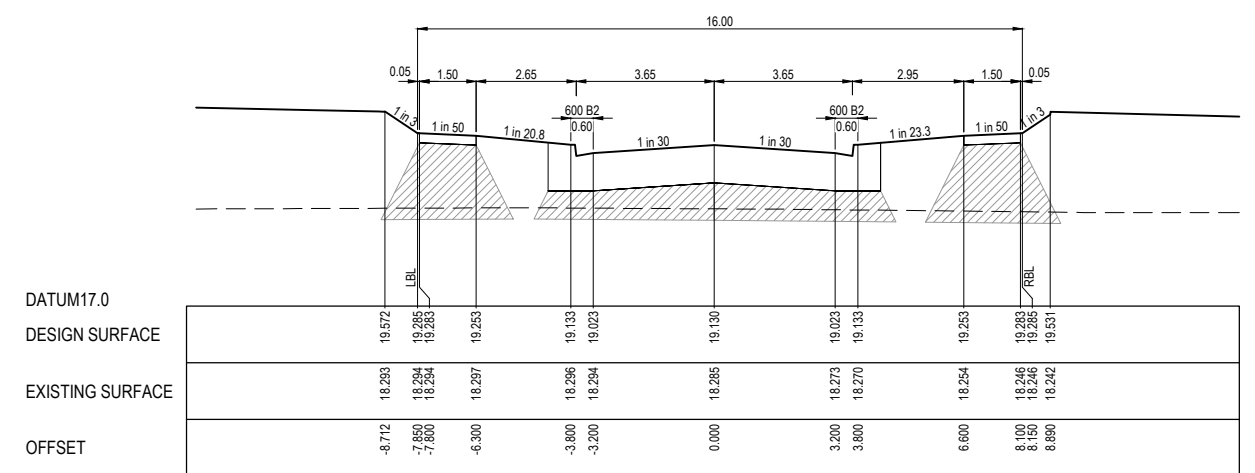
Q:\m\jobs\Jobs Data\1101438 110 Smiths Lane, Clyde (MIRVAC)\_Eng\Stage 31\Drawings\1101438-31-200-RXS.dwg

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

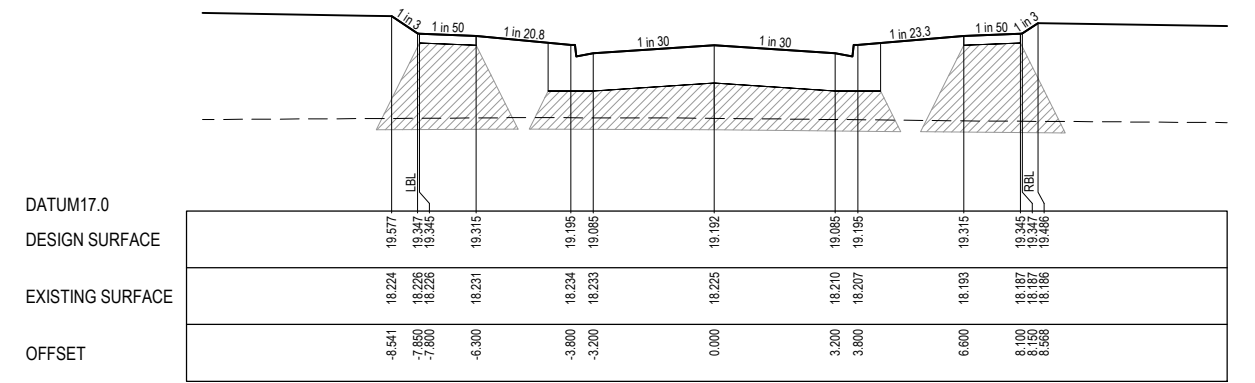
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



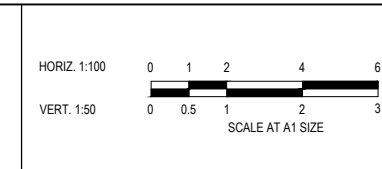
CH 156.865  
(LIMIT OF STAGE 31 WORKS)



CH 144.365

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No. PS921351J  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 ROCKFIELD CIRCUIT  
 (SHEET 2 OF 2)

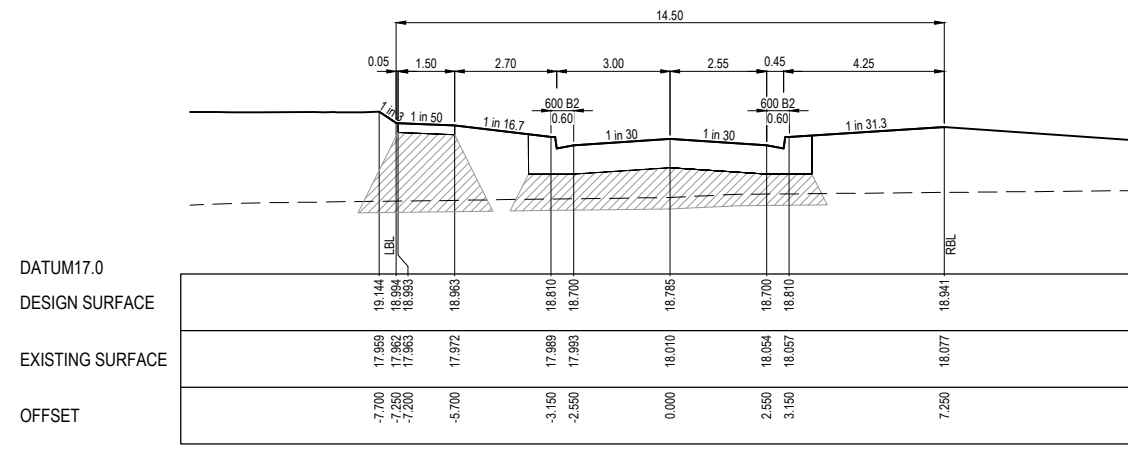
Sheet	29 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	213
Rev	E

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

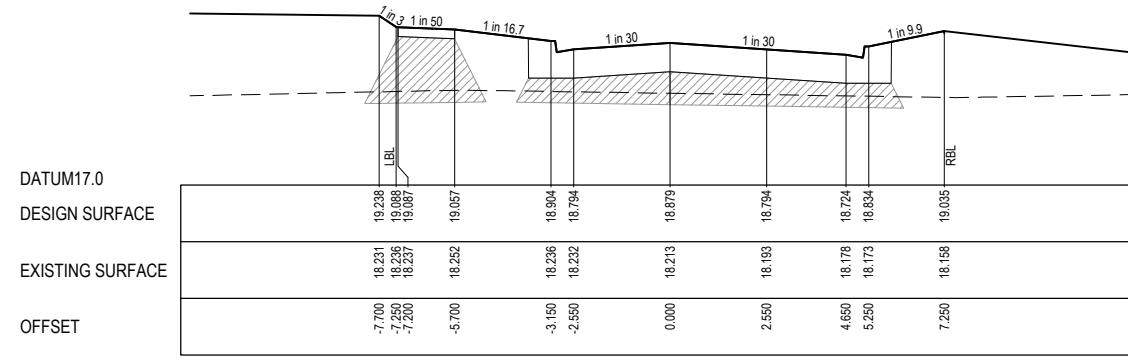
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

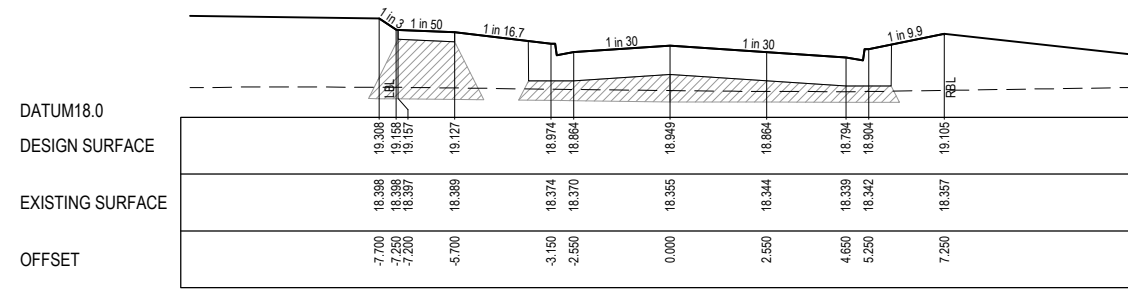
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



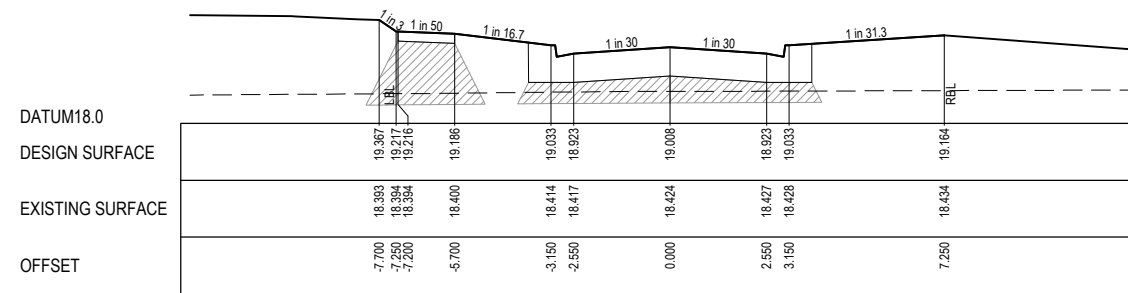
TPCH 556.413



CH 537.622



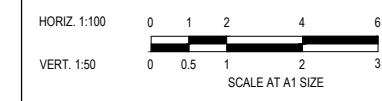
CH 523.622



CH 511.822  
(LIMIT OF STAGE 31 WORKS)

FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: ROAD CROSS SECTIONS LANARK STREET

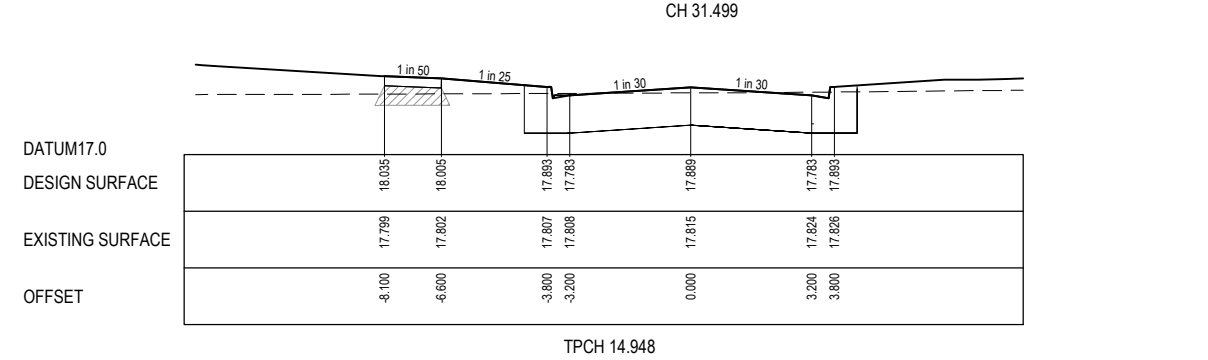
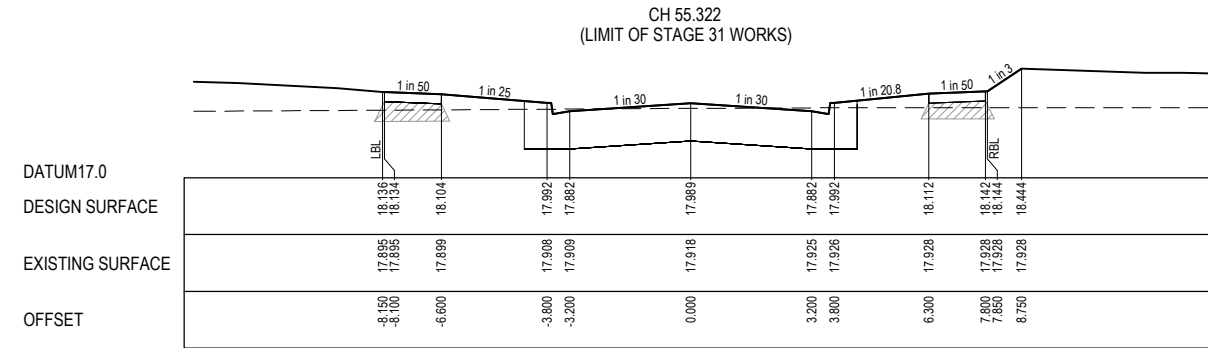
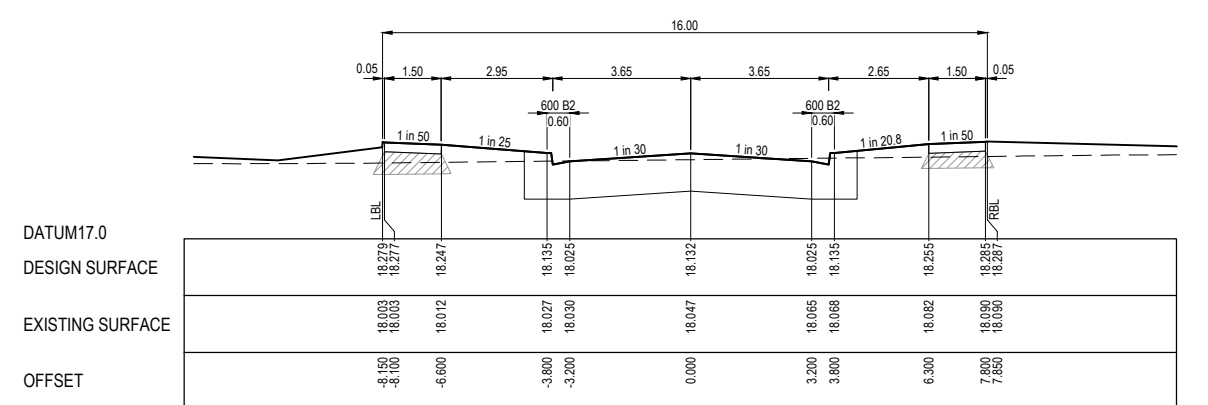
Sheet	30 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	214
Rev	E

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

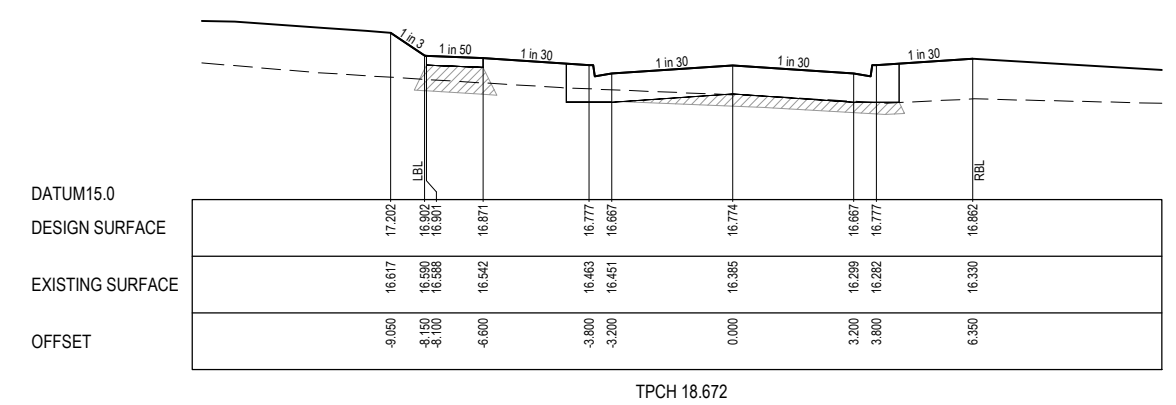
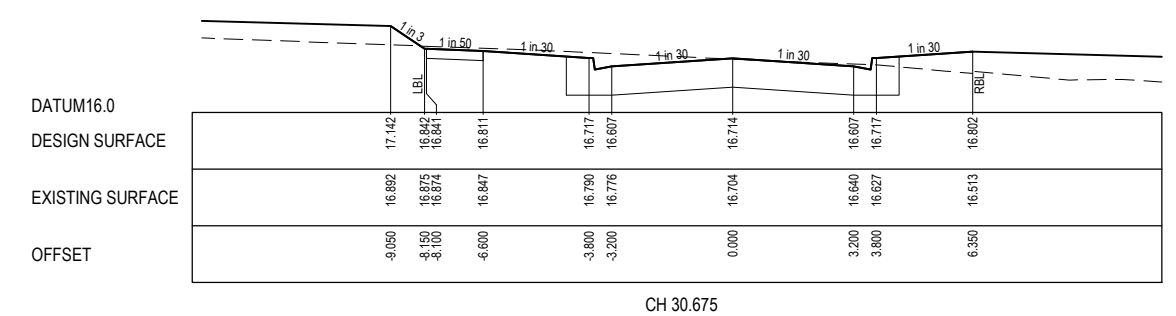
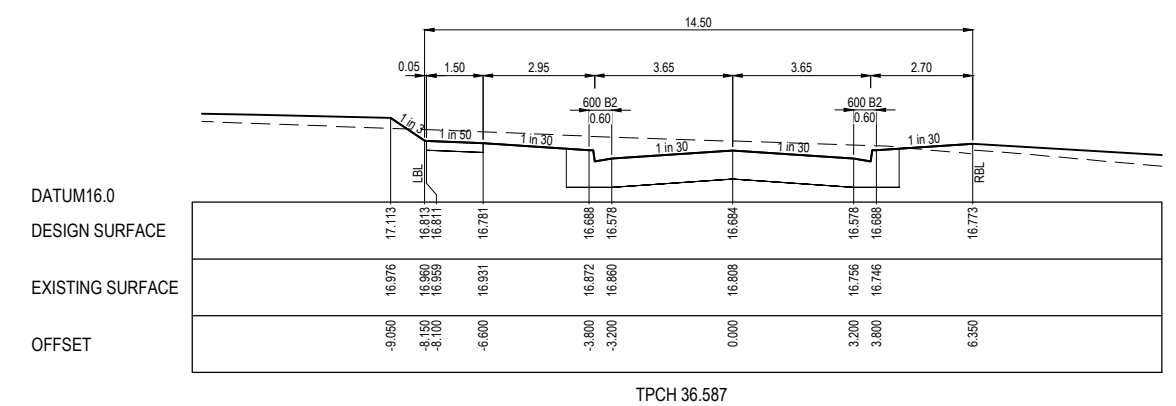
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58



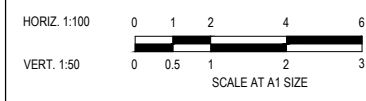
BANTRY ROAD - ROAD CROSS SECTIONS



LOAM STREET - ROAD CROSS SECTIONS

**FOR CONSTRUCTION**

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ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY								
DESCRIPTION	DATE	DRN.	APP.	REV.	DESCRIPTION	DATE	DRN.	APP.	REV.	DESCRIPTION	DATE



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016236  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 BANTRY ROAD & LOAM STREET

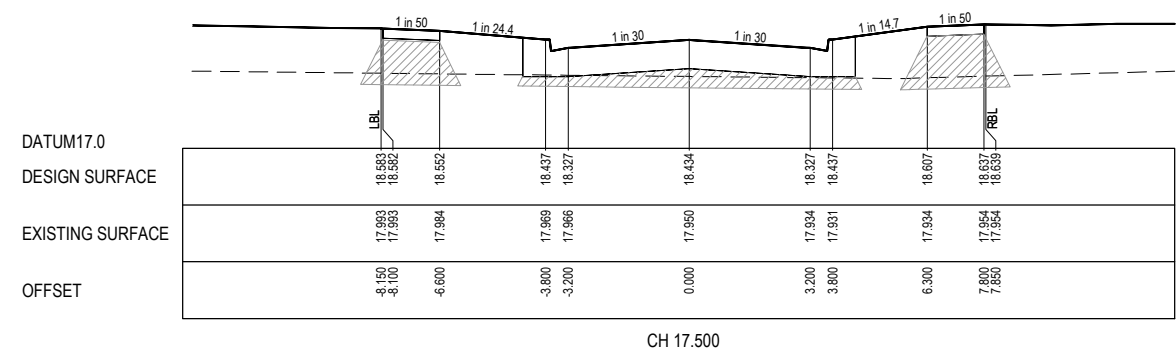
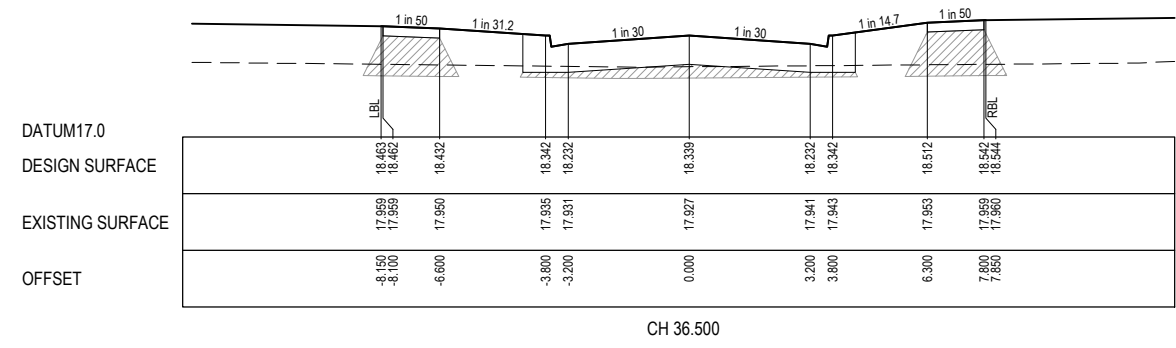
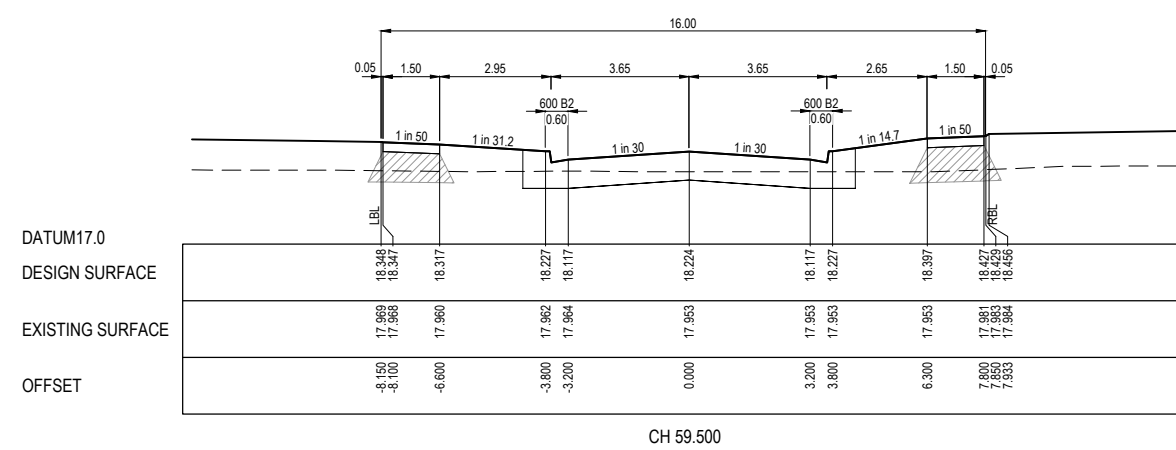
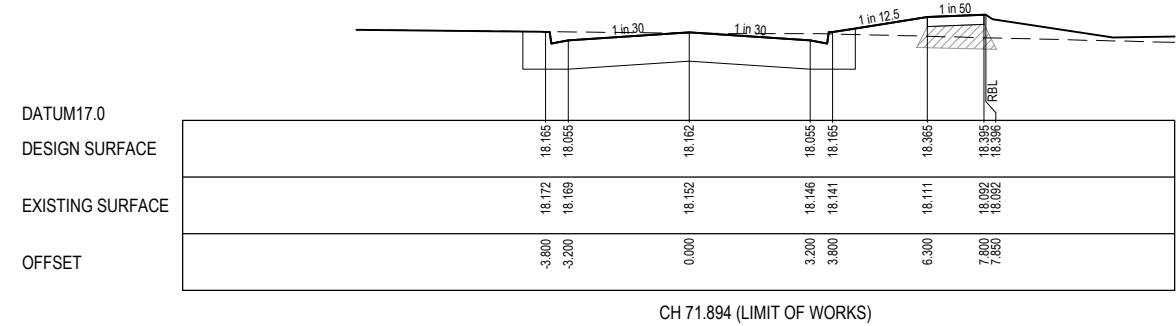
Sheet	31 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	215
Rev	E

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

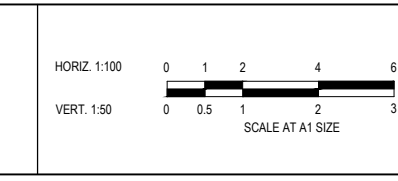
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE0116236  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS HAY STREET

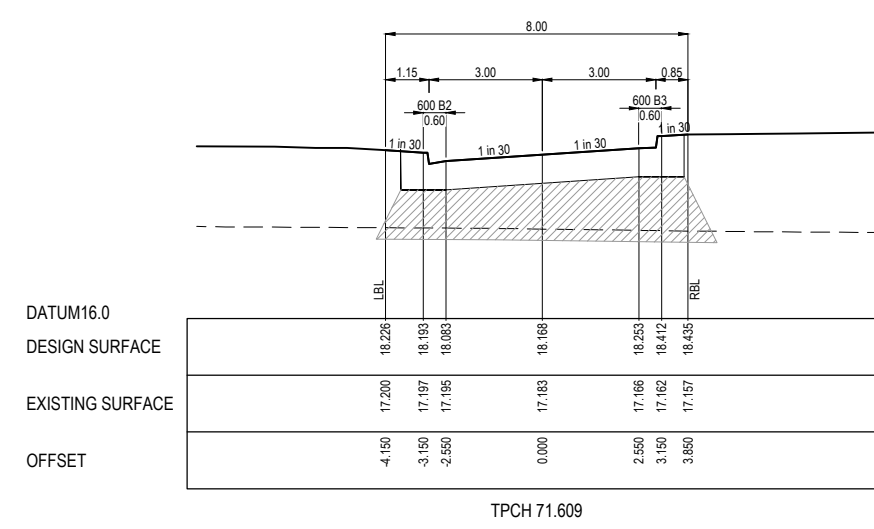
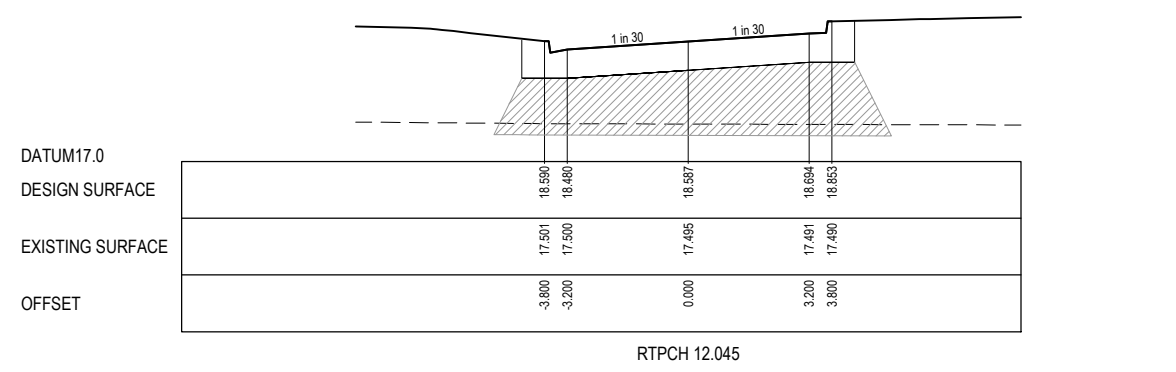
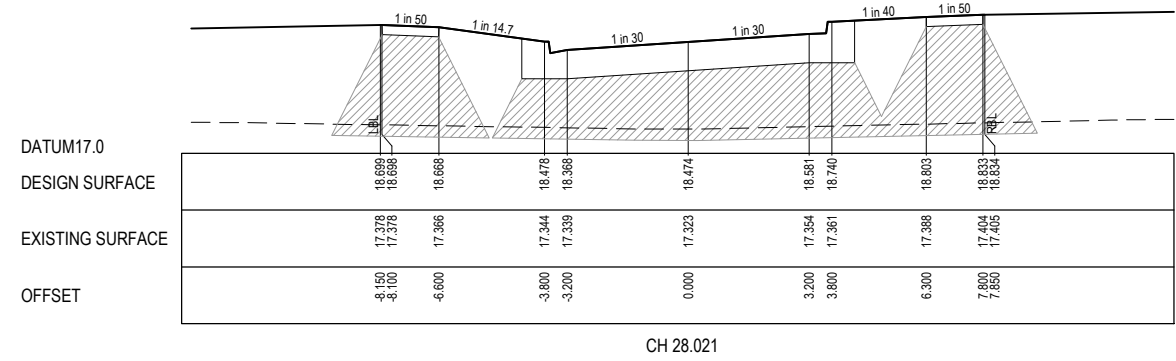
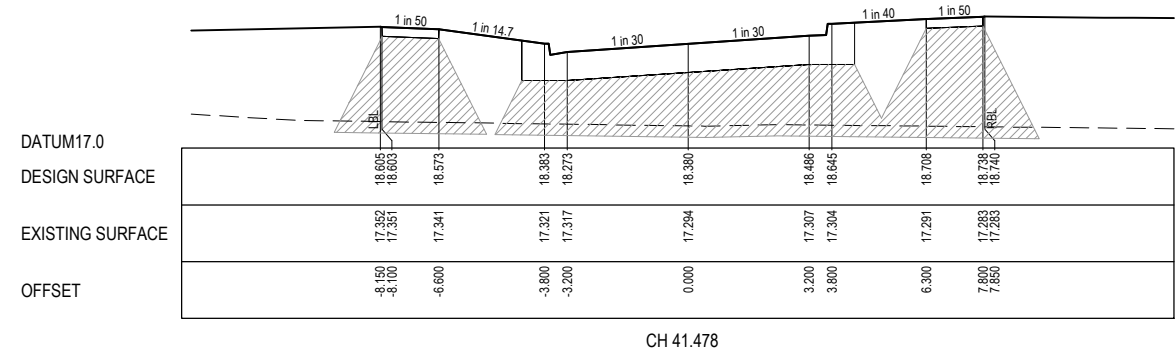
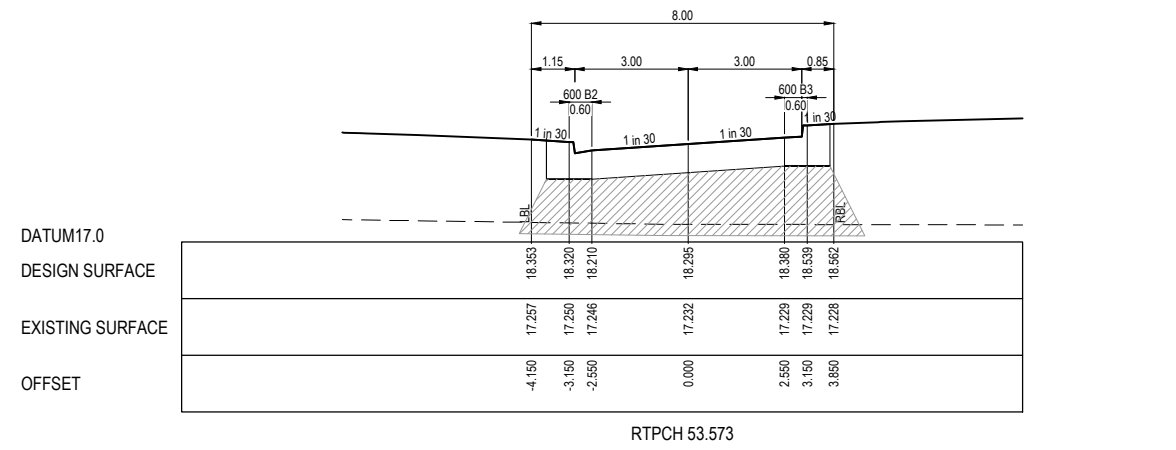
Sheet	32 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	216
Rev	E

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

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

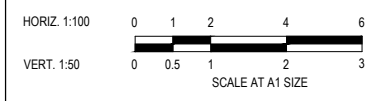
**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016286  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 ROAD CROSS SECTIONS  
 KATENA WAY

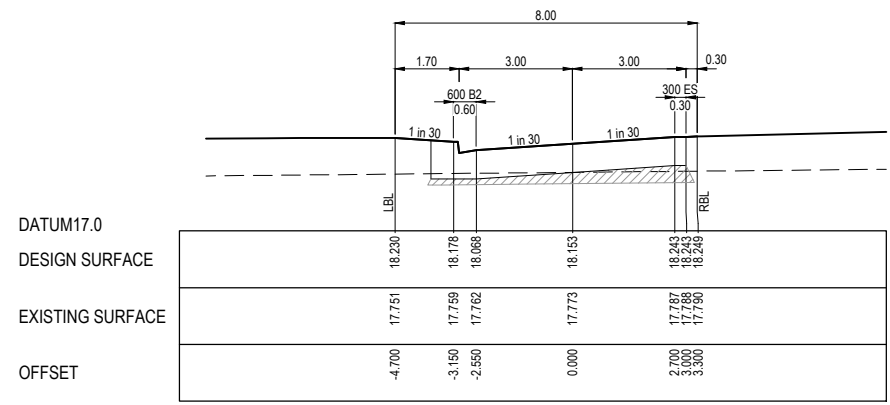
Sheet	33 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	217
Rev	E

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

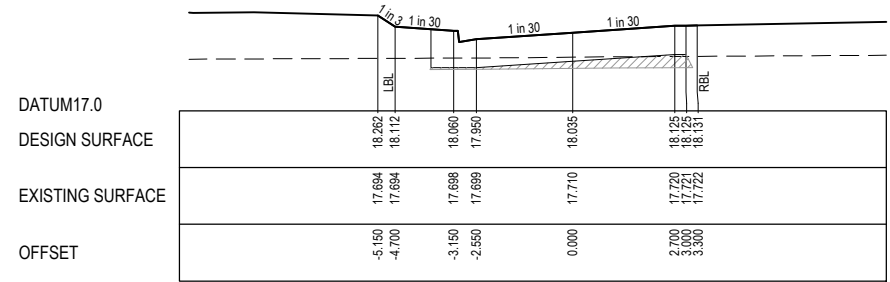
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

**City of Casey**

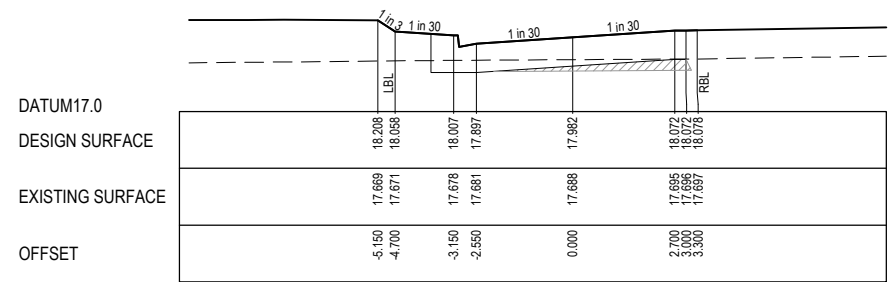
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
**Approval subject to conditions on page 5 of 58**



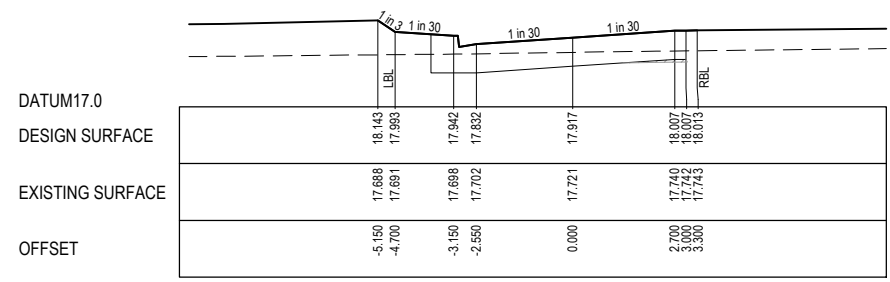
LTPCH 72.450



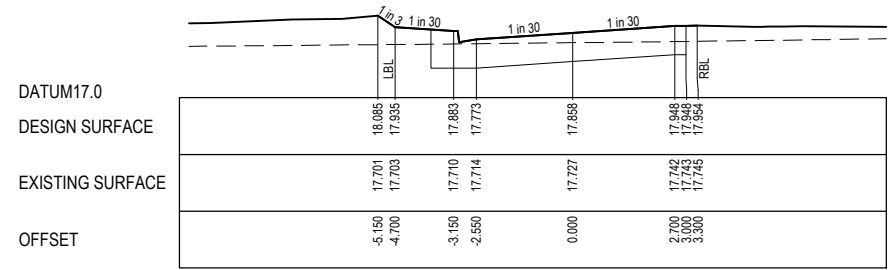
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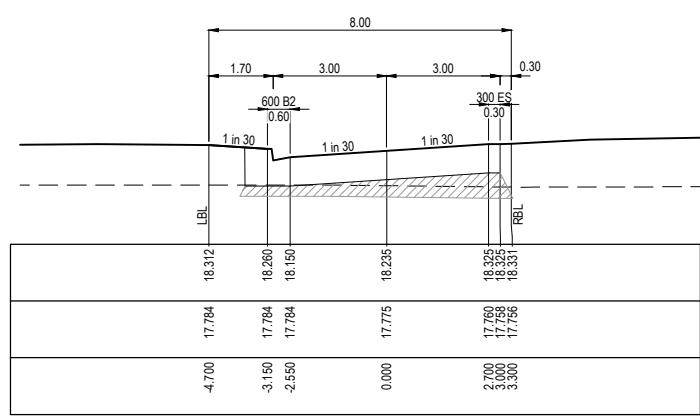
CH 38.209



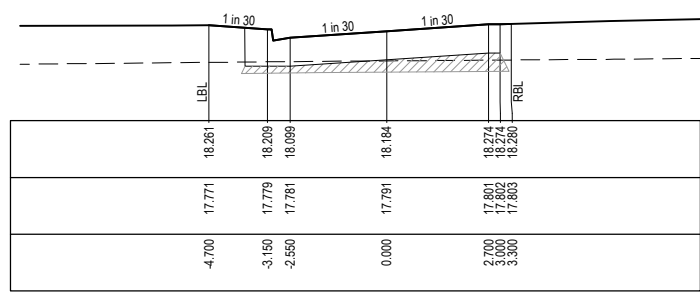
CH 25.209



TPCH 13.500



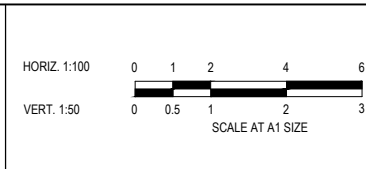
TPCH 88.909



CH 78.709

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY		

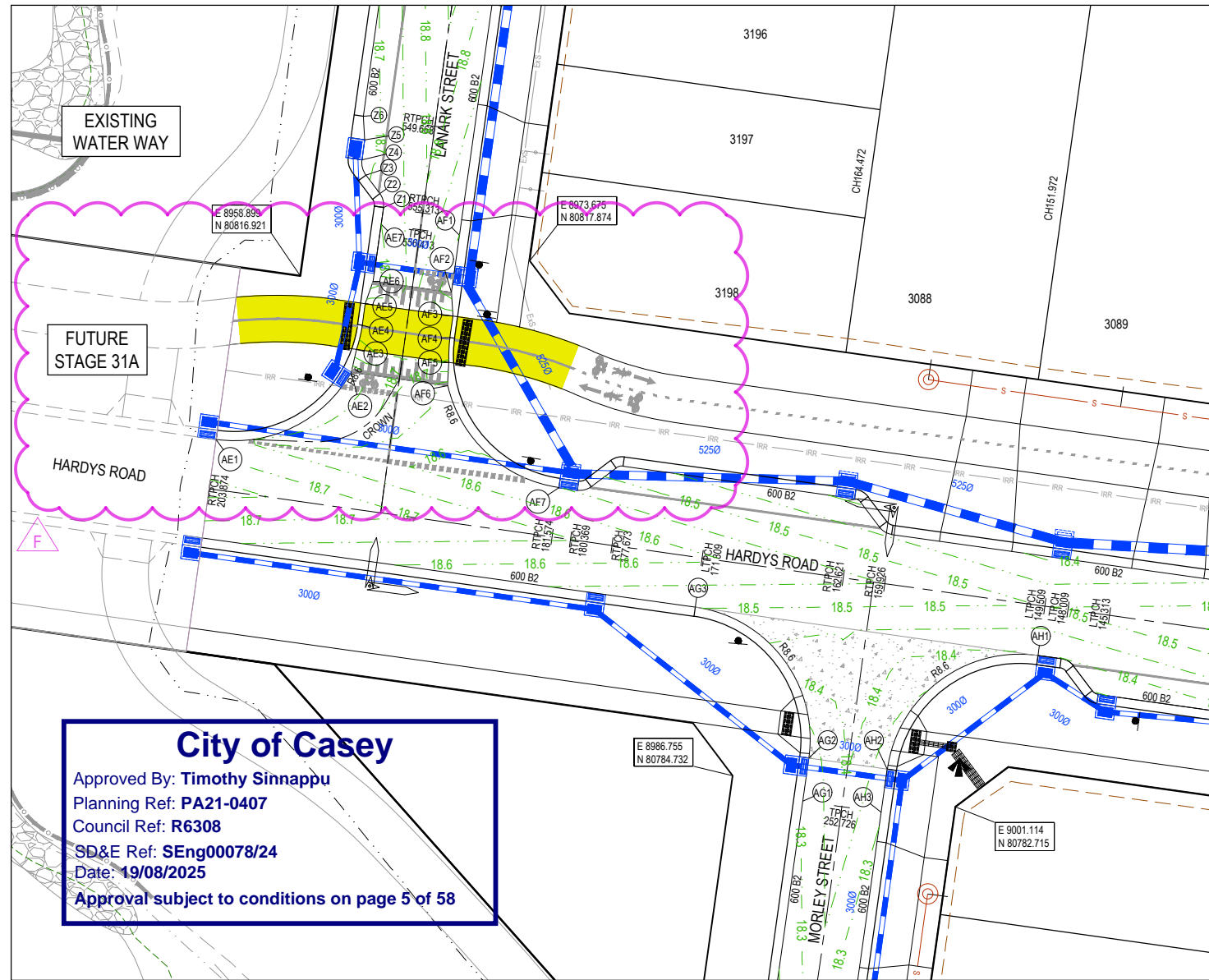


Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016298  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details	SMITHS LANE STAGE 31 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS REPENS LANE

Sheet	34 of 58
Scale	1:100 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	218
Rev	E



**ALIGNMENT Z**

Point no	Easting	Northing	RL
Z1	8964.261	80821.317	18.705
Z2	8964.031	80822.206	18.707
Z3	8963.128	80823.404	18.695
Z4	8962.874	80824.385	18.679
Z5	8963.055	80825.673	18.664
Z6	8962.967	80827.200	18.663

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
Z1 - Z2	45.000	1.200	0.942	0.091	0.068	0.234	0.225	0.236	18.707
Z3 - Z4	45.000	1.324	1.040	0.101	0.075	0.258	0.248	0.260	18.688

**ALIGNMENT AE**

Point no	Easting	Northing	RL
AE1	8953.477	80805.373	18.663
AE2	8962.186	80810.703	18.511
AE3	8962.515	80812.170	18.745
AE4	8962.892	80813.734	18.758
AE5	8963.083	80815.121	18.769
AE6	8963.593	80816.564	18.666
AE7	8964.108	80820.228	18.600

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AE1 - AE2	68.871	8.600	10.337	1.507	1.122	2.546	2.317	2.584	18.637
AE3 - AE4	11.123	8.300	1.611	0.039	0.029	0.403	0.402	0.403	18.751

**ALIGNMENT AF**

Point no	Easting	Northing	RL
AF1	8969.158	80819.519	18.700
AF2	8968.843	80815.855	18.672
AF3	8968.732	80814.327	18.771
AF4	8968.537	80812.941	18.761
AF5	8968.469	80811.334	18.749
AF6	8968.381	80809.832	18.628
AF7	8975.560	80803.270	18.551

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AF4 - AF5	11.123	8.300	1.611	0.039	0.029	0.403	0.402	0.403	18.755
AF6 - AF7	68.871	8.600	10.337	1.507	1.122	2.546	2.317	2.584	18.602

**ALIGNMENT AG**

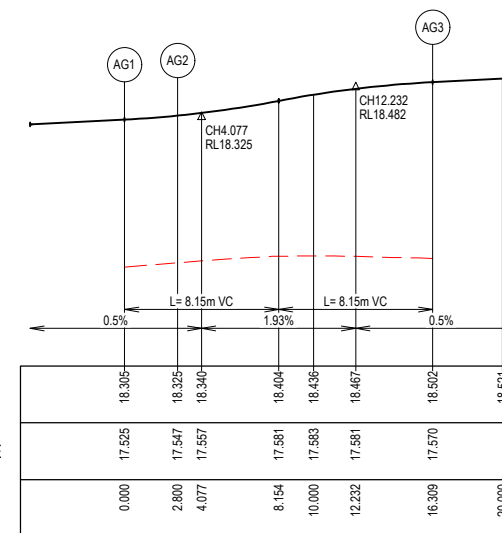
Point no	Easting	Northing	RL
AG1	8991.270	80783.088	18.305
AG2	8991.659	80785.861	18.325
AG3	8984.340	80795.574	18.502

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AG2 - AG3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	18.429

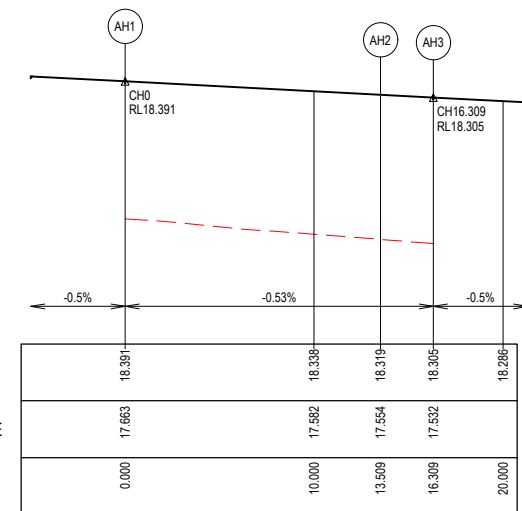
**ALIGNMENT AH**

Point no	Easting	Northing	RL
AH1	9006.423	80792.471	18.391
AH2	8996.710	80785.151	18.319
AH3	8996.320	80782.378	18.305

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
AH1 - AH2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	18.355

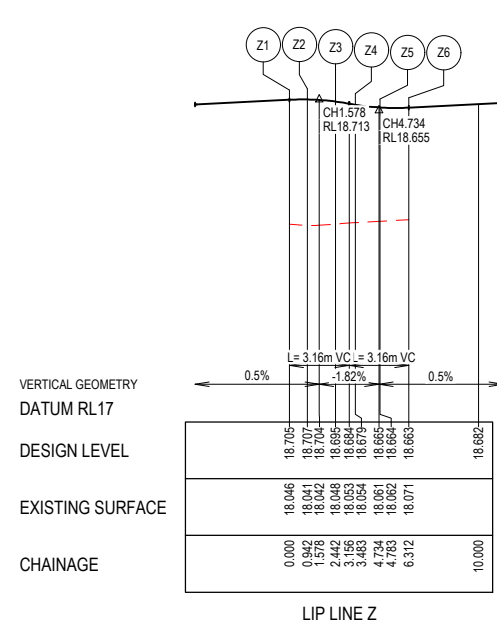


LIP LINE AG

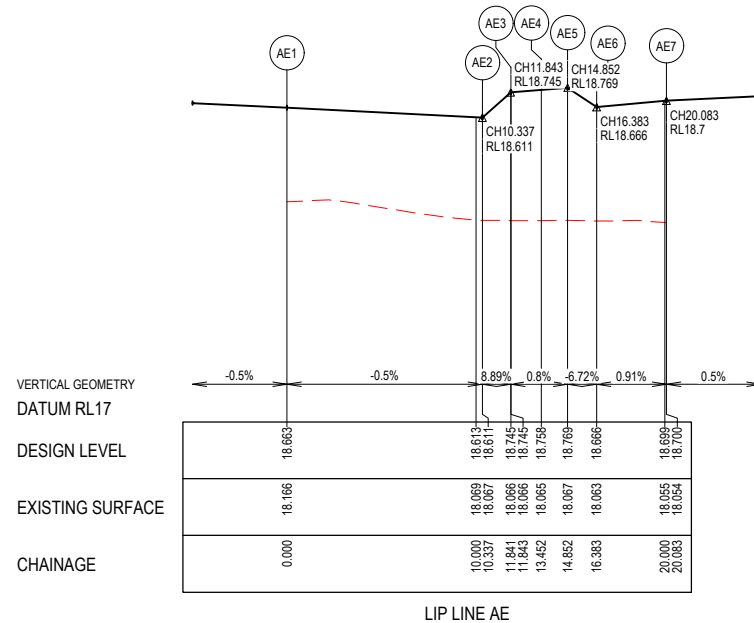


LIP LINE AH

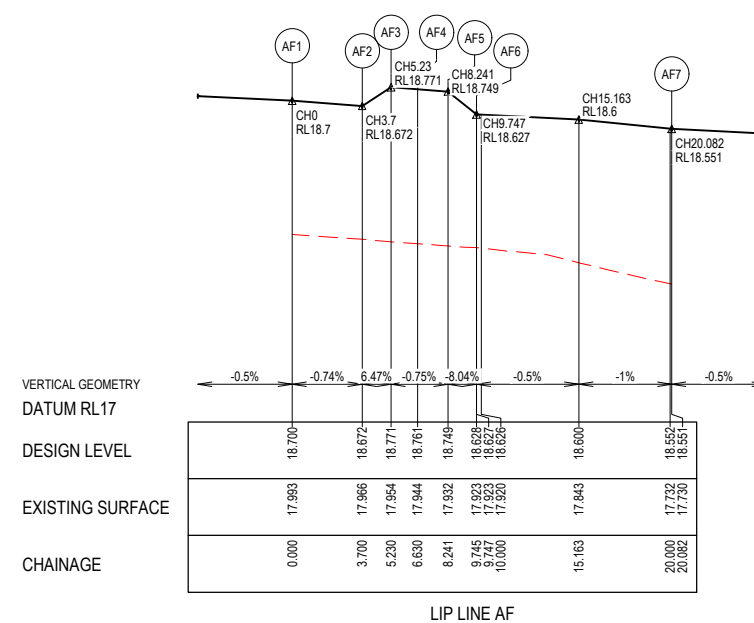
**City of Casey**  
 Approved By: Timothy Sinnappu  
 Planning Ref: PA21-0407  
 Council Ref: R6308  
 SD&E Ref: SEng00078/24  
 Date: 19/08/2025  
 Approval subject to conditions on page 5 of 58



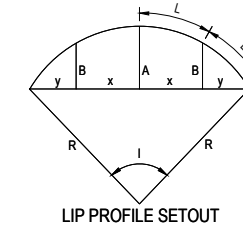
LIP LINE Z



LIP LINE AE



LIP LINE AF



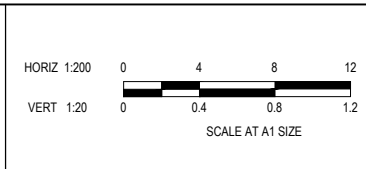
**LEGEND**

- 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

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	DRAINAGE ALIGNMENT AMENDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

**SMITHS LANE**  
 CLYDE NORTH



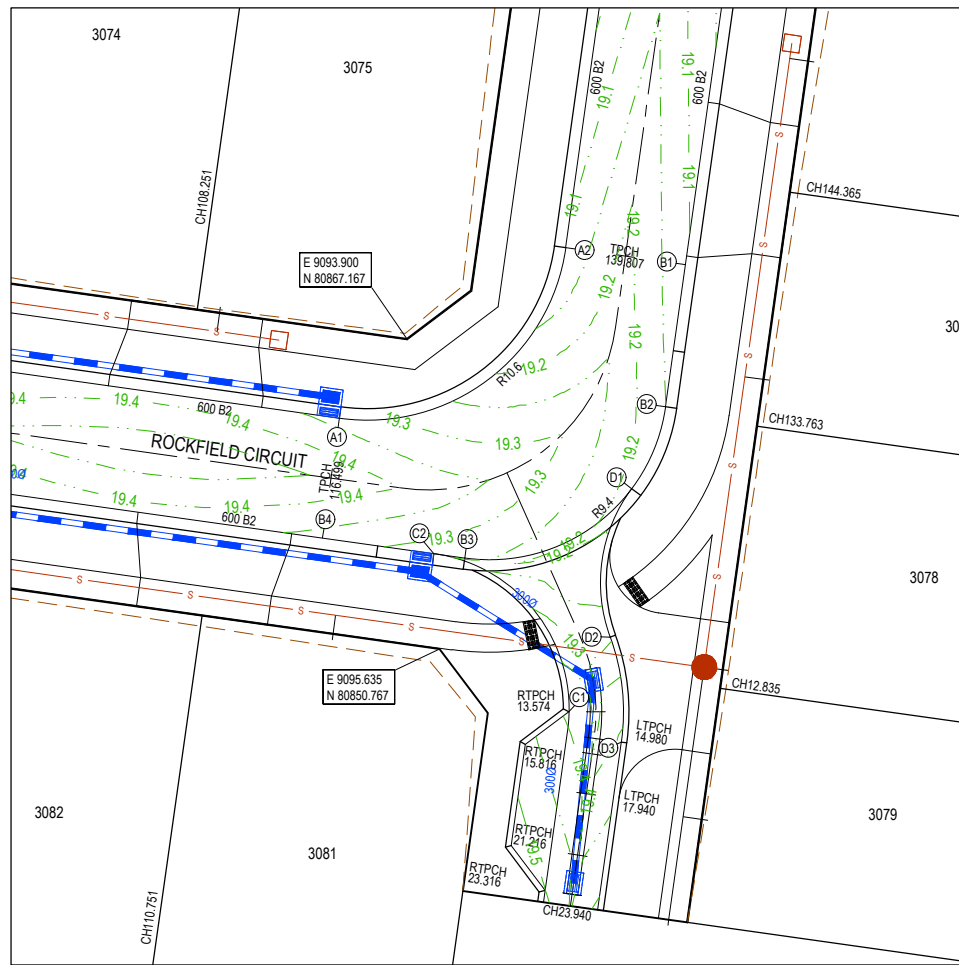
Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE010296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

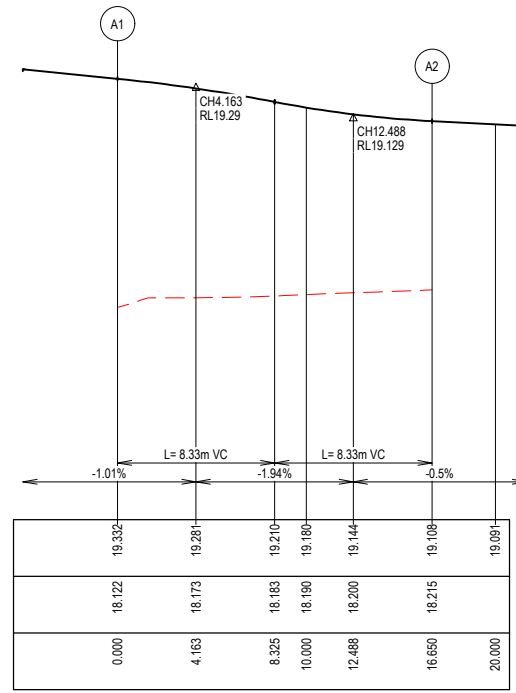
Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: INTERSECTION DETAILS (SHEET 1 OF 9)

Sheet 35 of 58  
 Scale: 1:200 H 1:20 V @ A1  
 Project Ref: 1101438  
 Stage No: 31  
 Drawing No: 300  
 Rev: F

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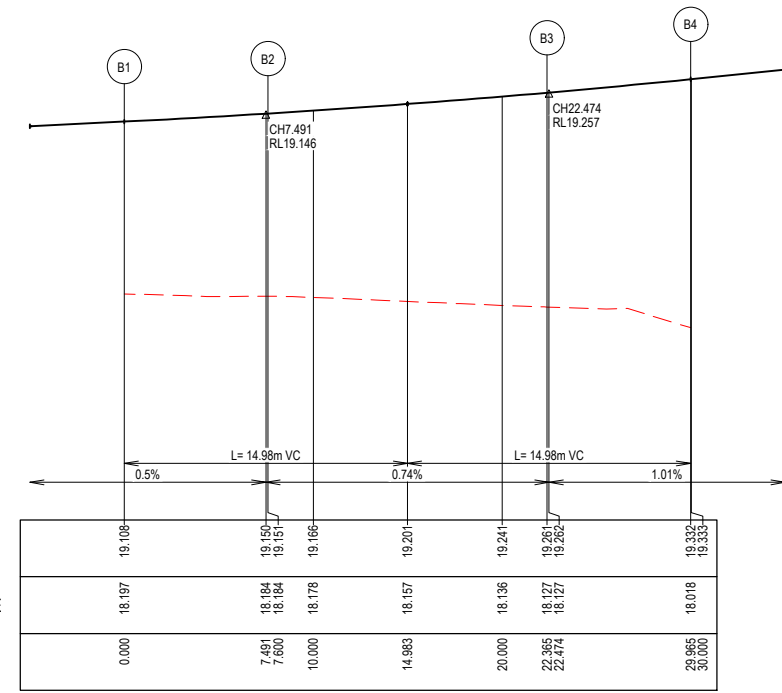


VERTICAL GEOMETRY  
DATUM RL17  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



LIP LINE A

VERTICAL GEOMETRY  
DATUM RL17  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



LIP LINE B

ALIGNMENT A

Point no	Easting	Northing	RL
A1	9090.332	80862.973	19.332
A2	9102.304	80871.995	19.108

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
A1 - A2	90.000	10.600	16.650	3.105	2.298	4.056	3.439	4.163	19.210

ALIGNMENT B

Point no	Easting	Northing	RL
B1	9108.641	80871.105	19.108
B2	9107.584	80863.579	19.151
B3	9096.968	80855.578	19.261
B4	9089.442	80856.635	19.332

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
B2 - B3	90.000	9.400	14.765	2.753	2.038	3.597	3.050	3.691	19.201

ALIGNMENT C

Point no	Easting	Northing	RL
C1	9102.478	80847.452	19.393
C2	9095.334	80855.807	19.276

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
C1 - C2	82.942	8.300	12.015	2.081	1.543	2.939	2.558	3.004	19.299

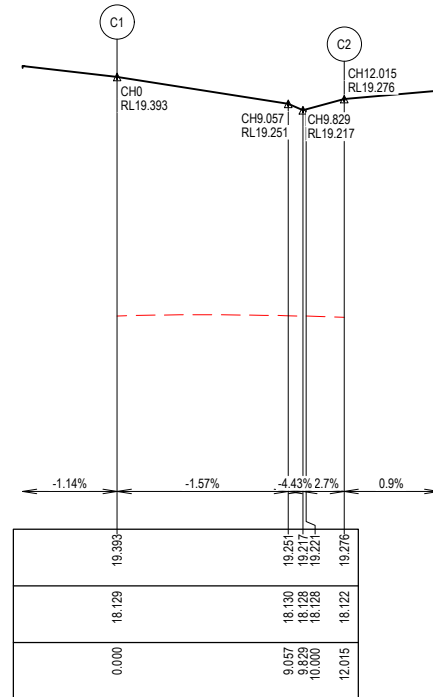
ALIGNMENT D

Point no	Easting	Northing	RL
D1	9105.797	80859.248	19.182
D2	9104.650	80851.401	19.293
D3	9105.245	80845.849	19.409

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	57.081	8.300	8.269	1.009	0.753	2.046	1.920	2.067	19.211
D2 - D3	28.223	11.450	5.640	0.346	0.259	1.406	1.385	1.410	19.364

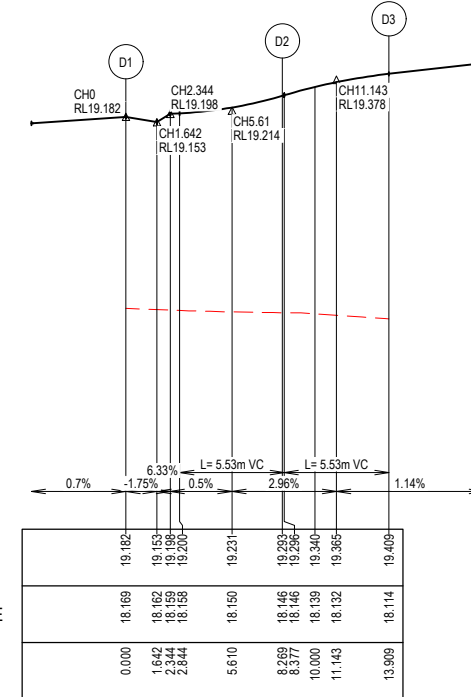
**City of Casey**  
Approved By: **Timothy Sinnappu**  
Planning Ref: **PA21-0407**  
Council Ref: **R6308**  
SD&E Ref: **SEng00078/24**  
Date: **19/08/2025**  
Approval subject to conditions on page 5 of 58

VERTICAL GEOMETRY  
DATUM RL17  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

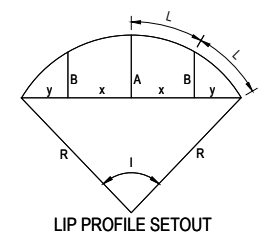


LIP LINE C

VERTICAL GEOMETRY  
DATUM RL17  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



LIP LINE D

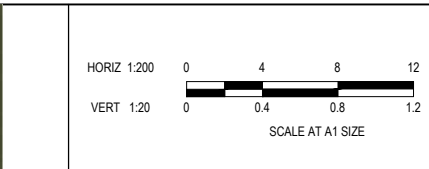


**LEGEND**

- 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

**FOR CONSTRUCTION**

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E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.



Designed: **L MURRAY**  
Date: 24.04.2024  
Drawn: **G.N. / MF.J.**  
Checked: **S.FALKENSTEIN**  
Date: 09.05.2024  
Approved: **S.FALKENSTEIN**  
Reg. No: PE01016296  
Date: 09.05.2024  
PS Number: **PS921351J**

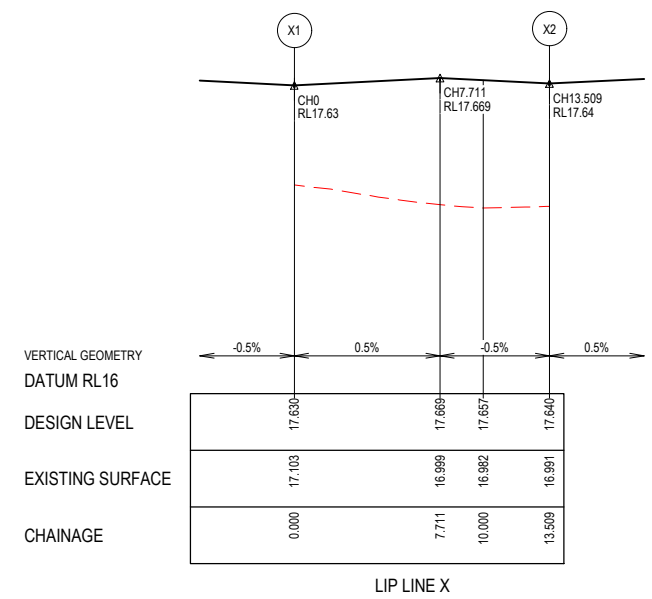
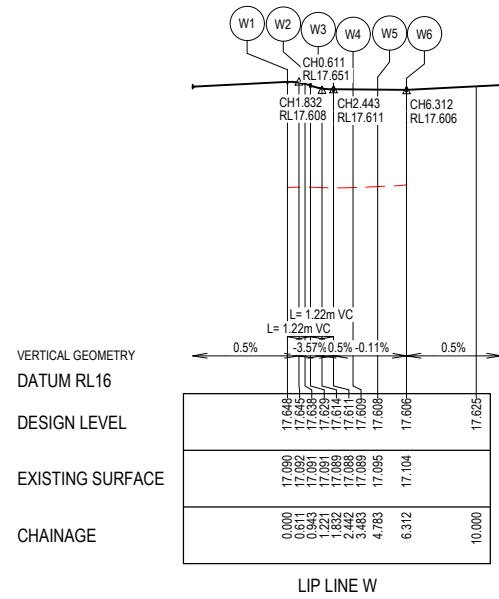
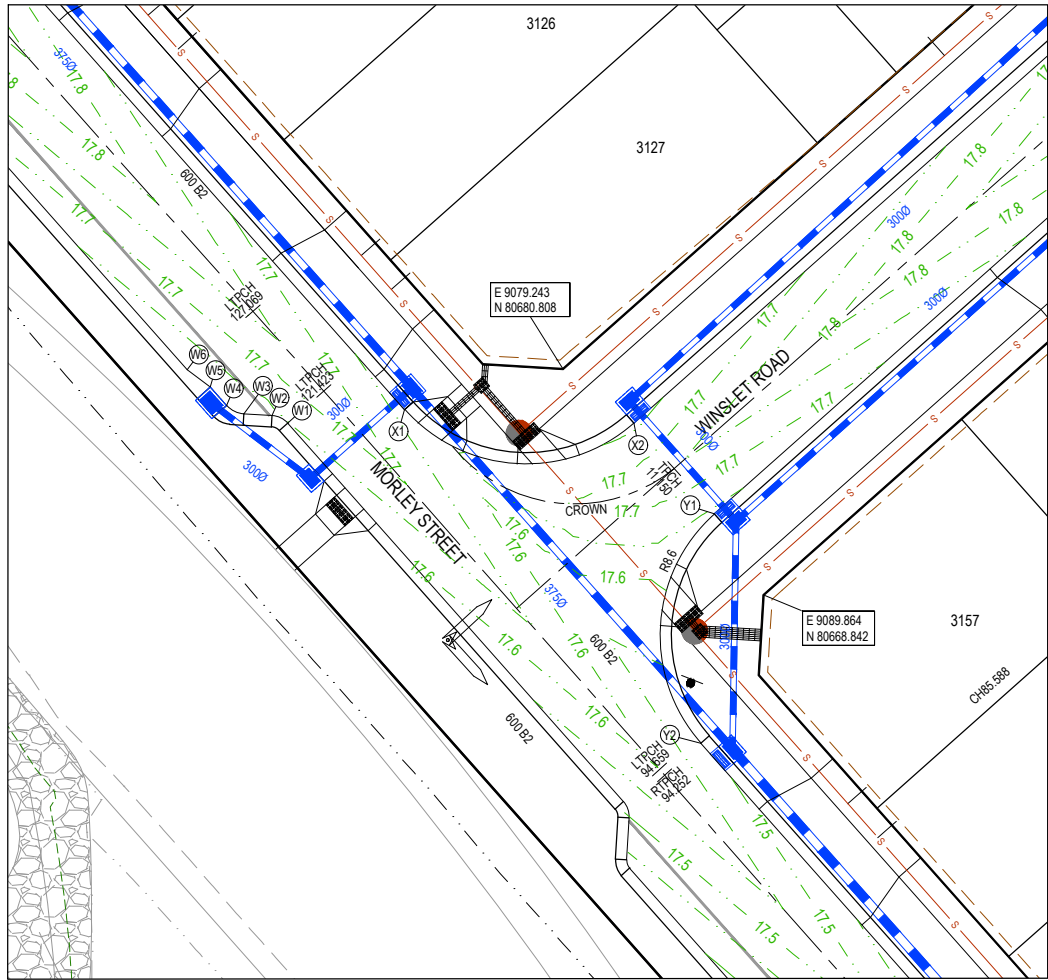
**BW Beveridge Williams**  
Development & Infrastructure Consultants  
1 Glenferrie Road  
Malvern VIC 3144  
ph: 03 9524 8888  
www.beveridgewilliams.com.au

Project Details: **SMITHS LANE STAGE 31 CITY OF CASEY**  
Drawing Title: **INTERSECTION DETAILS (SHEET 2 OF 9)**

Sheet **36 of 58**  
Scale: **1:200 H 1:20 V @ A1**

Project Ref	Stage No	Drawing No	Rev
<b>1101438</b>	<b>31</b>	<b>301</b>	<b>E</b>

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**ALIGNMENT W**

Point no	Easting	Northing	RL
W1	9064.677	80677.936	17.648
W2	9063.851	80678.337	17.638
W3	9062.354	80678.426	17.611
W4	9061.442	80678.869	17.609
W5	9060.579	80679.841	17.608
W6	9059.359	80680.764	17.606

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
W1 - W2	45.003	1.200	0.943	0.091	0.068	0.234	0.225	0.236	17.647
W3 - W4	45.001	1.324	1.040	0.101	0.075	0.258	0.248	0.260	17.610

**ALIGNMENT X**

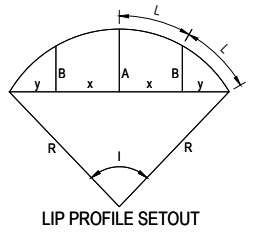
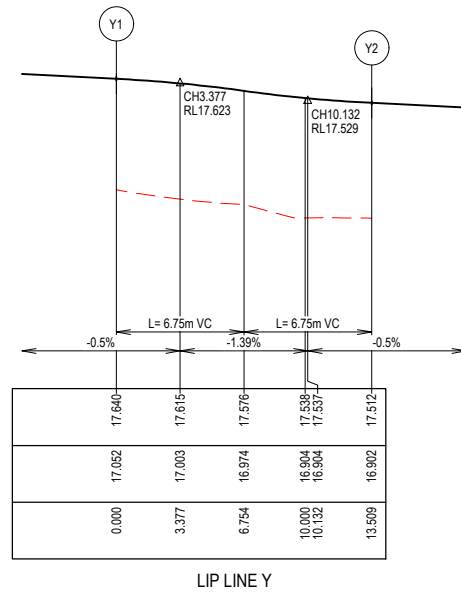
Point no	Easting	Northing	RL
X1	9070.862	80678.650	17.630
X2	9083.003	80677.928	17.640

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
X1 - X2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	17.664

**ALIGNMENT Y**

Point no	Easting	Northing	RL
Y1	9087.251	80673.142	17.640
Y2	9086.529	80661.001	17.512

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
Y1 - Y2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	17.576



**LEGEND**

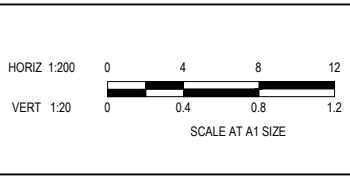
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
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- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY

**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: **LMURRAY**  
 Date: 24.04.2024  
 Drawn: **G.N. / MF.J.**  
 Checked: **S.FALKENSTEIN**  
 Date: 09.05.2024  
 Approved: **S.FALKENSTEIN**  
 Reg. No.: PE010296  
 Date: 09.05.2024  
 PS Number: **PS921351J**

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

Project Details  
**SMITHS LANE**  
**STAGE 31**  
**CITY OF CASEY**

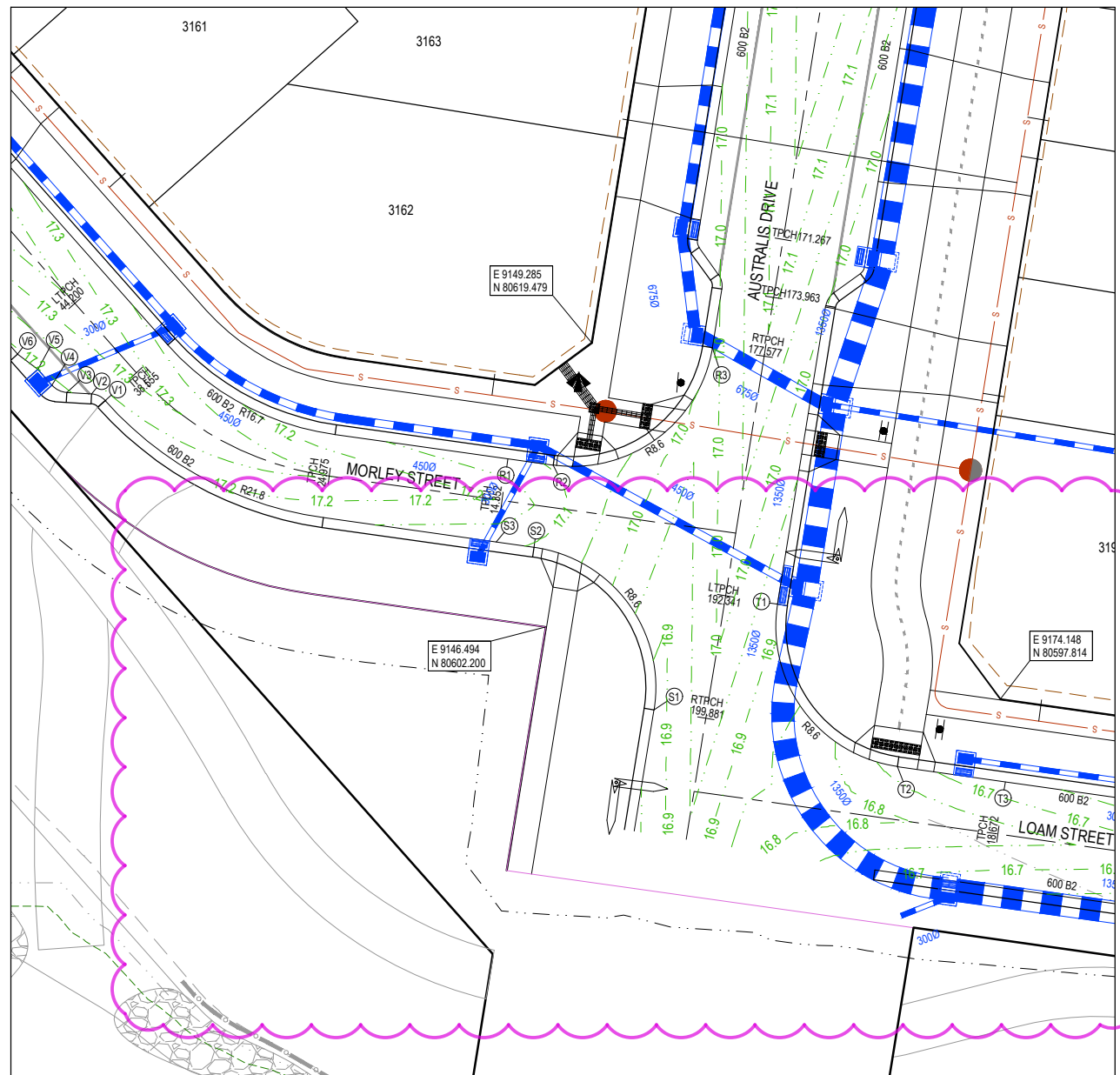
Drawing Title  
**INTERSECTION DETAILS**  
**(SHEET 3 OF 9)**

Sheet **37 of 58**

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

Project Ref: **1101438** Stage No: **31** Drawing No: **302** Rev: **E**

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**ALIGNMENT R**

Point no	Easting	Northing	RL
R1	9144.192	80612.419	17.113
R2	9146.946	80612.032	17.096
R3	9156.631	80619.178	16.985

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
R2 - R3	88.814	8.600	13.331	2.456	1.819	3.250	2.768	3.333	17.032

**ALIGNMENT S**

Point no	Easting	Northing	RL
S1	9153.074	80597.158	16.874
S2	9145.780	80607.046	17.095
S3	9143.483	80607.368	17.113

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
S1 - S2	91.186	8.600	13.687	2.582	1.910	3.332	2.812	3.422	16.966

**ALIGNMENT T**

Point no	Easting	Northing	RL
T1	9160.595	80603.581	16.912
T2	9167.889	80593.694	16.731
T3	9174.450	80592.773	16.667

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
T1 - T2	91.186	8.600	13.687	2.582	1.910	3.332	2.812	3.422	16.845

**ALIGNMENT V**

Point no	Easting	Northing	RL
V1	9119.689	80615.961	17.234
V2	9118.863	80616.363	17.229
V3	9117.366	80616.452	17.194
V4	9116.454	80616.894	17.188
V5	9115.591	80617.867	17.190
V6	9114.371	80618.789	17.192

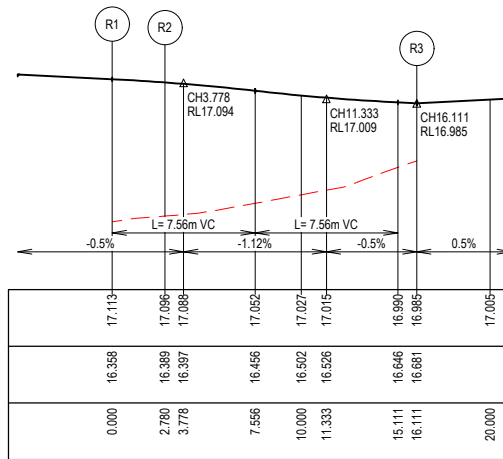
  

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
V1 - V2	45.000	1.200	0.942	0.091	0.068	0.234	0.225	0.236	17.234
V3 - V4	45.000	1.324	1.040	0.101	0.075	0.258	0.248	0.260	17.188

**ALIGNMENT V**

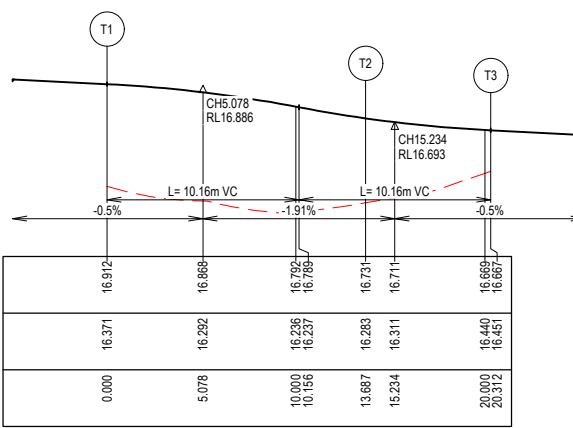
Point no	Easting	Northing	RL
V1	9119.689	80615.961	17.234
V2	9118.863	80616.363	17.229
V3	9117.366	80616.452	17.194
V4	9116.454	80616.894	17.188
V5	9115.591	80617.867	17.190
V6	9114.371	80618.789	17.192

VERTICAL GEOMETRY  
DATUM RL16  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



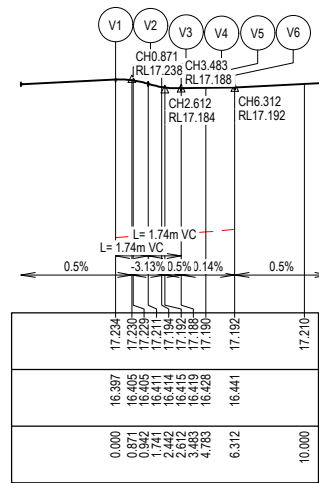
LIP LINE R

VERTICAL GEOMETRY  
DATUM RL16  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



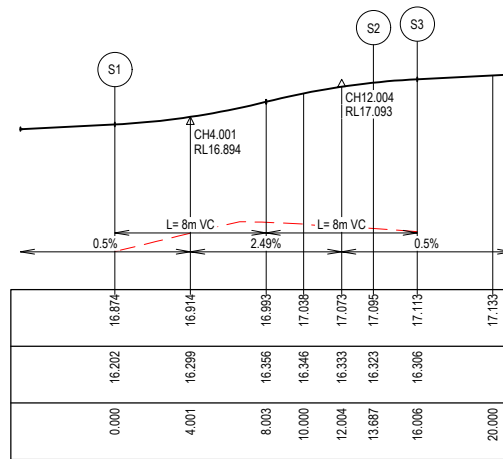
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VERTICAL GEOMETRY  
DATUM RL16  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

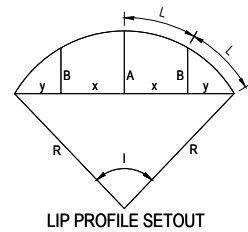


LIP LINE V

VERTICAL GEOMETRY  
DATUM RL16  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



LIP LINE S



**LEGEND**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
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**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	ALIGNMENT U REMOVED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

**SMITHS LANE**  
CLYDE NORTH

HORIZ 1:200  
VERT 1:20  
SCALE AT A1 SIZE

Designed: L.MURRAY  
Date: 24.04.2024  
Drawn: G.N. / MF.J.  
Checked: S.FALKENSTEIN  
Date: 09.05.2024  
Approved: S.FALKENSTEIN  
Reg. No: PE01016286  
Date: 09.05.2024  
PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
Drawing Title: INTERSECTION DETAILS (SHEET 4 OF 9)

Sheet 38 of 58  
Scale: 1:200 H 1:20 V @ A1  
Project Ref: 1101438 Stage No: 31 Drawing No: 303 Rev: F

**ALIGNMENT L**

Point no	Easting	Northing	RL
L1	9190.944	80758.882	17.787
L2	9189.656	80758.108	17.965
L3	9186.789	80757.075	17.933
L4	9185.353	80756.698	17.737
L5	9181.300	80748.037	17.654

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
L2 - L3	0.594	293.901	3.048	0.004	0.003	0.762	0.762	0.762	17.952
L4 - L5	67.551	8.600	10.139	1.451	1.081	2.498	2.283	2.535	17.696

**ALIGNMENT M**

Point no	Easting	Northing	RL
M1	9156.884	80794.620	18.101
M2	9145.754	80785.521	18.203
M3	9159.198	80780.431	18.120
M4	9156.884	80794.620	

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
M1 - M2	119.998	8.300	17.383	4.150	3.038	4.150	3.038	4.346	18.157
M2 - M3	119.998	8.300	17.383	4.150	3.038	4.150	3.038	4.346	18.179
M3 - M4	119.998	8.300	17.383	4.150	3.038	4.150	3.038	4.346	18.055

**ALIGNMENT O (Splitter Island)**

Point no	Easting	Northing	RL
O1	9167.575	80775.207	17.955
O2	9166.556	80777.380	17.967
O3	9165.251	80777.753	17.979
O4	9161.958	80775.615	18.022
O5	9161.973	80774.598	18.018
O6	9168.197	80769.779	17.942
O7	9169.347	80769.690	17.936
O8	9169.640	80770.805	17.934

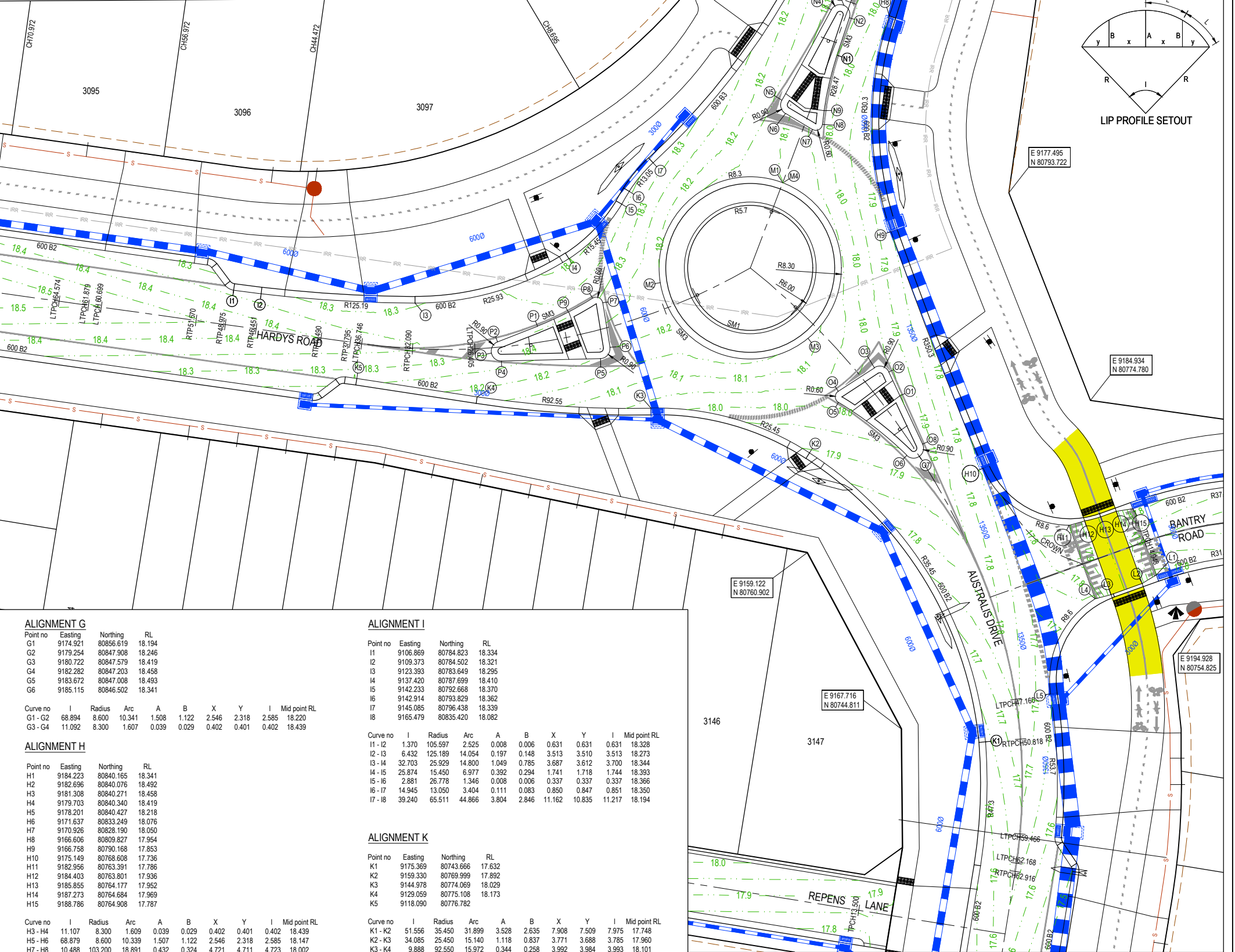
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
O2 - O3	97.857	0.900	1.537	0.309	0.228	0.373	0.306	0.384	17.971
O4 - O5	115.773	0.600	1.212	0.281	0.206	0.290	0.218	0.303	18.023
O5 - O6	13.026	34.700	7.889	0.224	0.168	1.971	1.965	1.972	17.979
O6 - O7	79.698	0.900	1.252	0.209	0.155	0.307	0.270	0.313	17.938
O7 - O8	79.698	0.900	1.252	0.209	0.155	0.307	0.270	0.313	17.934

**ALIGNMENT N (Splitter Island)**

Point no	Easting	Northing	RL
N1	9161.829	80806.256	18.050
N2	9162.967	80809.668	18.068
N3	9162.472	80810.777	18.075
N4	9161.323	80810.383	18.082
N5	9156.823	80802.142	18.129
N6	9157.154	80800.936	18.112
N7	9159.611	80799.477	18.041
N8	9160.515	80799.938	18.019
N9	9160.659	80801.197	18.024

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
N2 - N3	84.901	0.900	1.334	0.236	0.175	0.326	0.282	0.333	18.072
N3 - N4	84.901	0.900	1.334	0.236	0.175	0.326	0.282	0.333	18.078
N5 - N6	87.931	0.900	1.381	0.252	0.187	0.337	0.288	0.345	18.127
N7 - N8	115.457	0.600	1.209	0.280	0.205	0.290	0.218	0.302	18.026
N8 - N9	2.549	28.468	1.267	0.007	0.005	0.317	0.317	0.317	18.021
N9 - N1	10.465	28.468	5.200	0.119	0.089	1.299	1.297	1.300	18.037



**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**ALIGNMENT G**

Point no	Easting	Northing	RL
G1	9174.921	80856.619	18.194
G2	9179.254	80847.908	18.246
G3	9180.722	80847.579	18.419
G4	9182.282	80847.203	18.458
G5	9183.672	80847.008	18.493
G6	9185.115	80846.502	18.341

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
G1 - G2	68.894	8.600	10.341	1.508	1.122	2.546	2.318	2.585	18.220
G3 - G4	11.092	8.300	1.607	0.039	0.029	0.402	0.401	0.402	18.439

**ALIGNMENT H**

Point no	Easting	Northing	RL
H1	9184.223	80840.165	18.341
H2	9182.696	80840.076	18.492
H3	9181.308	80840.271	18.458
H4	9179.703	80840.340	18.419
H5	9178.201	80840.427	18.218
H6	9171.637	80833.249	18.076
H7	9170.926	80828.190	18.050
H8	9166.606	80809.827	17.954
H9	9166.758	80790.168	17.853
H10	9175.149	80768.008	17.736
H11	9182.956	80763.391	17.786
H12	9184.403	80763.801	17.936
H13	9185.855	80764.177	17.952
H14	9187.273	80764.684	17.969
H15	9188.786	80764.908	17.787

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
H3 - H4	11.107	8.300	1.609	0.039	0.029	0.402	0.401	0.402	18.439
H5 - H6	68.879	8.600	10.339	1.507	1.122	2.546	2.318	2.585	18.147
H7 - H8	10.488	103.200	18.891	0.432	0.324	4.721	4.711	4.723	18.002
H8 - H9	37.860	30.300	20.021	1.639	1.226	4.983	4.847	5.005	17.904
H9 - H10	3.785	350.300	23.139	0.191	0.143	5.785	5.783	5.785	17.795
H10 - H11	66.172	8.600	9.932	1.394	1.038	2.449	2.246	2.483	17.761
H12 - H13	10.368	8.300	1.502	0.034	0.025	0.375	0.375	0.375	17.944

**ALIGNMENT I**

Point no	Easting	Northing	RL
I1	9106.869	80784.823	18.334
I2	9109.373	80784.502	18.321
I3	9123.393	80783.649	18.295
I4	9137.420	80787.699	18.410
I5	9142.233	80792.668	18.370
I6	9142.914	80793.829	18.362
I7	9145.085	80796.438	18.339
I8	9165.479	80835.420	18.082

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
I1 - I2	1.370	105.597	2.525	0.008	0.006	0.631	0.631	0.631	18.328
I2 - I3	6.432	125.189	14.054	0.197	0.148	3.513	3.510	3.513	18.273
I3 - I4	32.703	25.929	14.800	1.049	0.785	3.687	3.612	3.700	18.344
I4 - I5	25.874	15.450	6.977	0.392	0.294	1.741	1.718	1.744	18.393
I5 - I6	2.881	26.778	1.346	0.008	0.006	0.337	0.337	0.337	18.366
I6 - I7	14.945	13.050	3.404	0.111	0.083	0.850	0.847	0.851	18.350
I7 - I8	39.240	65.511	44.866	3.804	2.846	11.162	10.835	11.217	18.194

**ALIGNMENT K**

Point no	Easting	Northing	RL
K1	9175.369	80743.666	17.632
K2	9159.330	80769.999	17.892
K3	9144.978	80774.069	18.029
K4	9129.059	80775.108	18.173
K5	9118.090	80776.782	

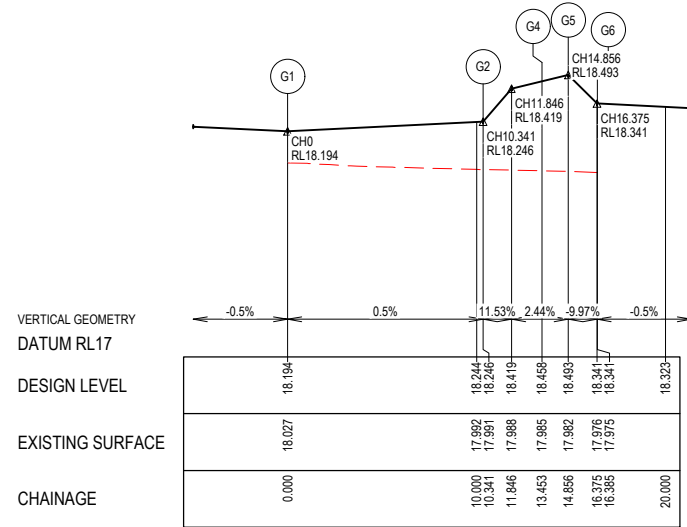
  

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
K1 - K2	51.556	35.450	31.899	3.528	2.635	7.908	7.509	7.975	17.748
K2 - K3	34.085	25.450	15.140	1.118	0.837	3.771	3.688	3.785	17.960
K3 - K4	9.888	92.550	15.972	0.344	0.258	3.992	3.984	3.993	18.101

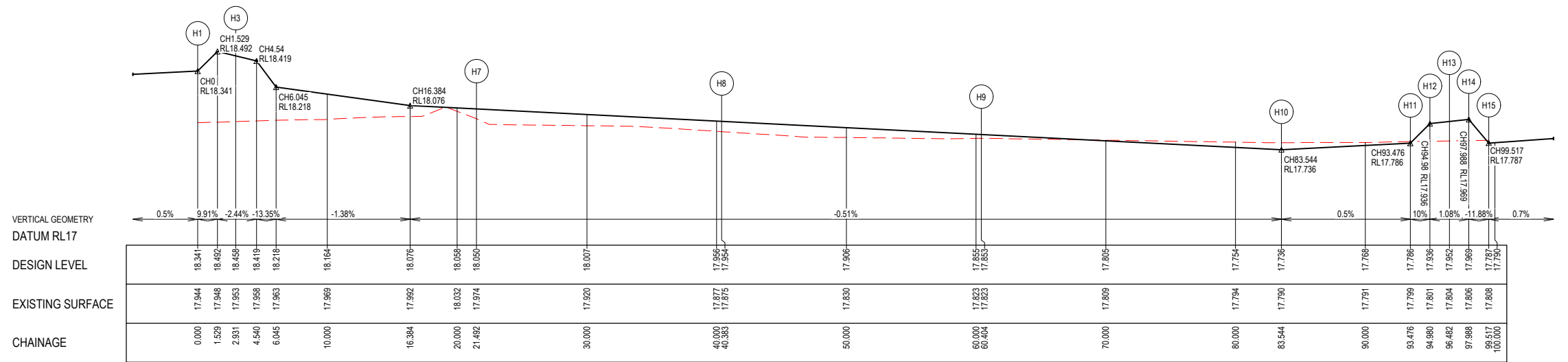
**FOR CONSTRUCTION**

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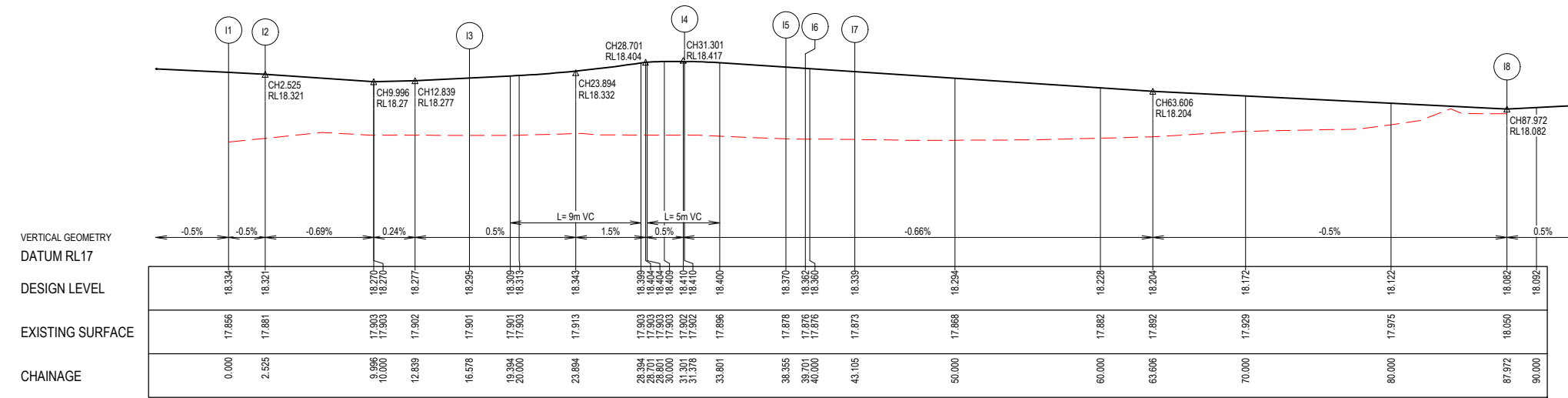
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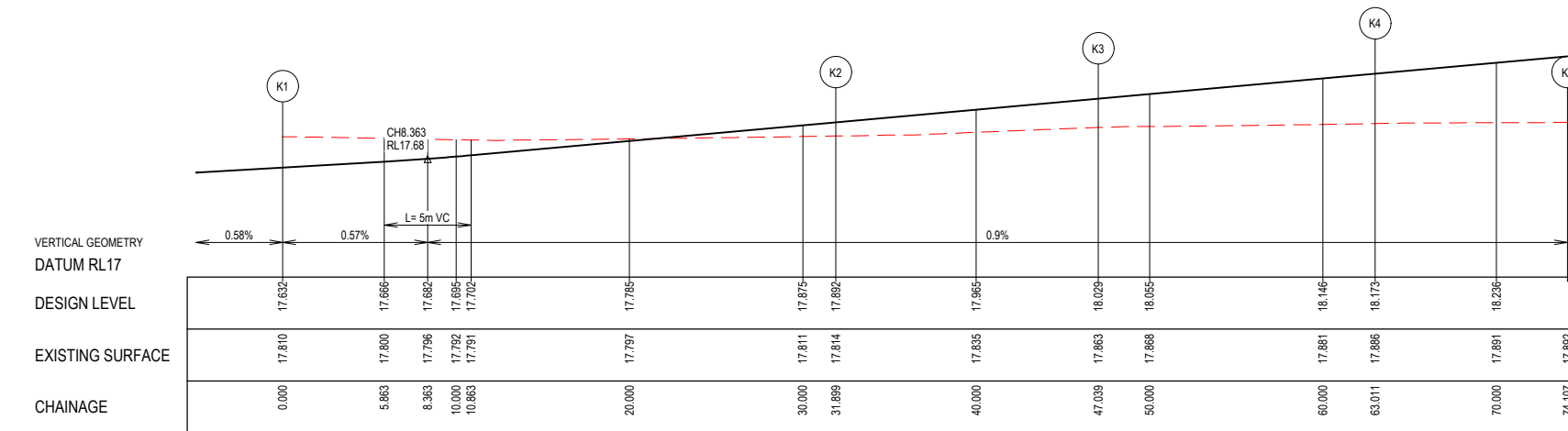
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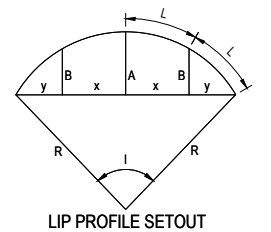
LIP LINE H



LIP LINE I



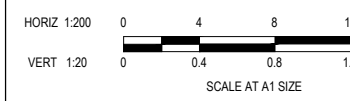
LIP LINE K



**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

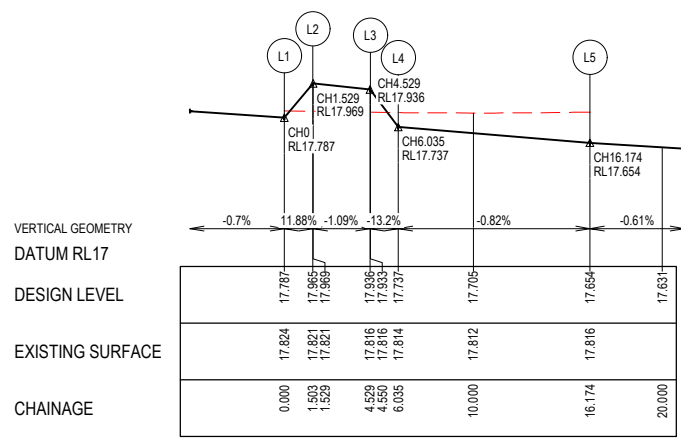


Designed: **LMURRAY**  
 Date: 24.04.2024  
 Drawn: **G.N. / MF.J.**  
 Checked: **S.FALKENSTEIN**  
 Date: 09.05.2024  
 Approved: **S.FALKENSTEIN**  
 Reg. No: PS3016236  
 Date: 09.05.2024  
 PS Number: **PS921351J**

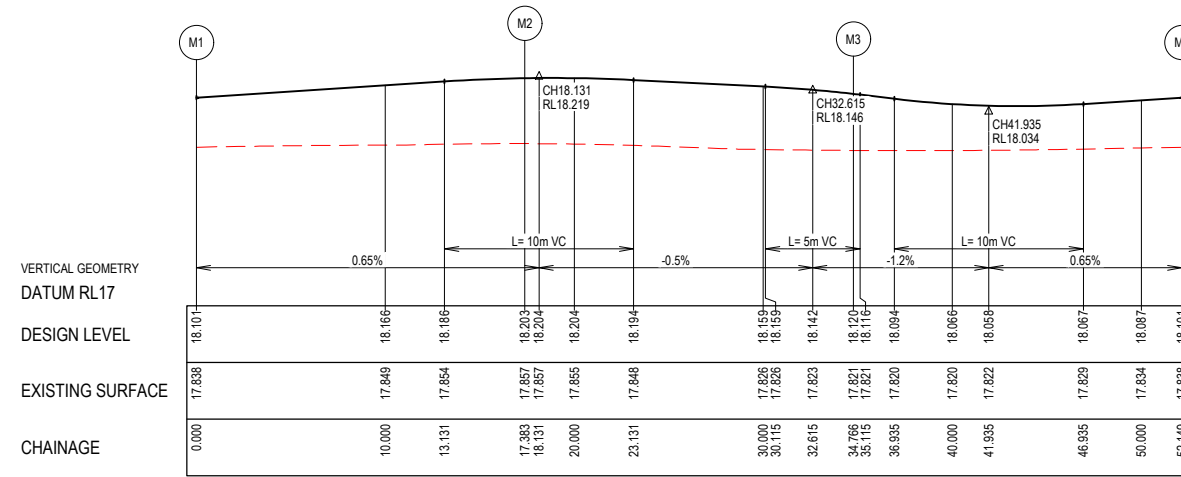
**BW Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: **SMITHS LANE STAGE 31 CITY OF CASEY**  
 Drawing Title: **INTERSECTION DETAILS (SHEET 6 OF 9)**

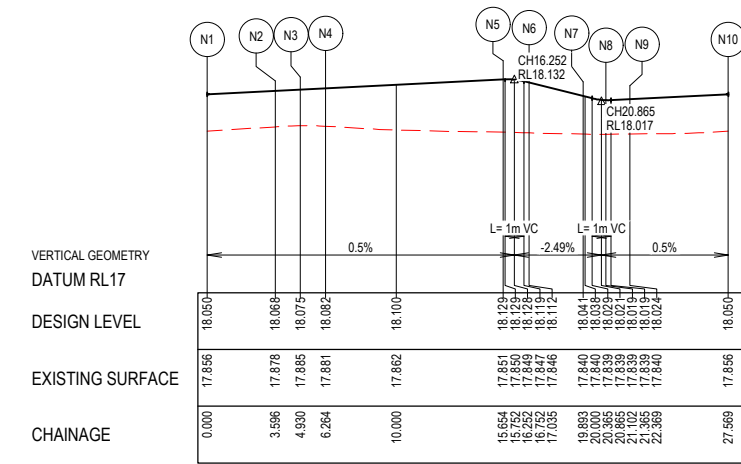
Sheet	40 of 58
Scale	1:200 H 1:20 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	305
Rev	E



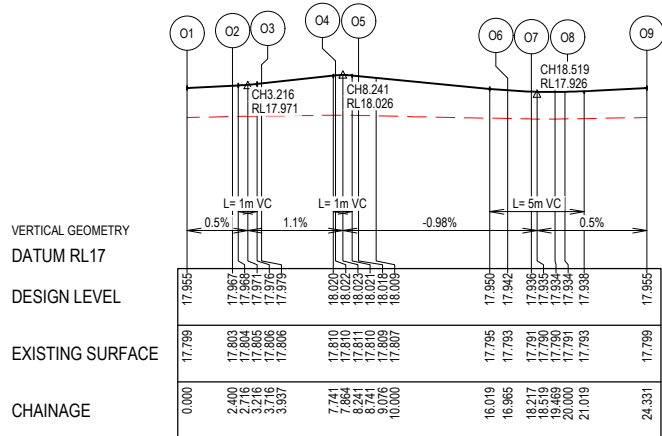
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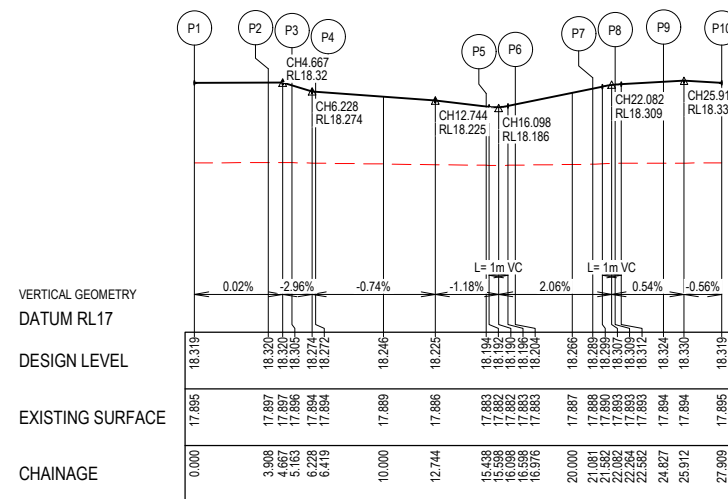
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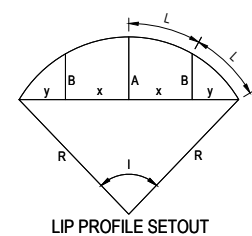
LIP LINE N



LIP LINE O



LIP LINE P

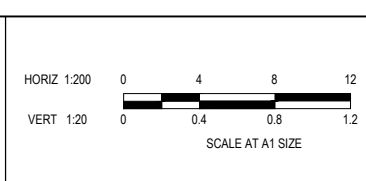
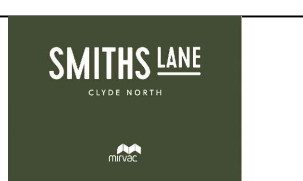


LIP PROFILE SETOUT

**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.											
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY																



Designed: L MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016286  
 Date: 09.05.2024  
 PS Number: PS921351J

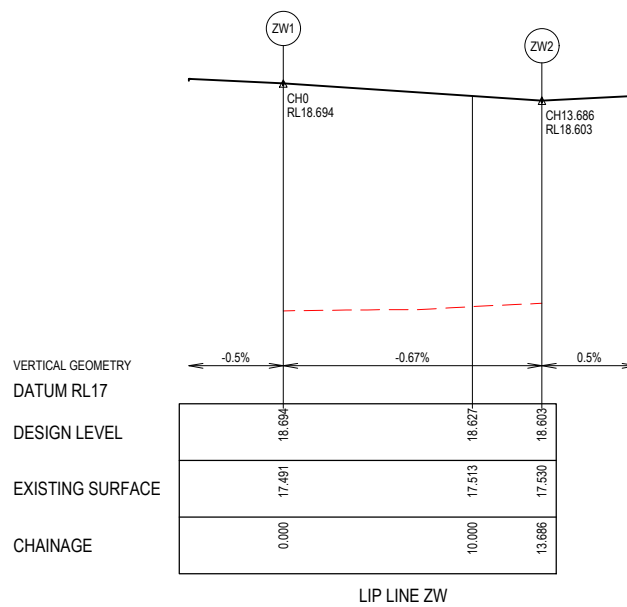
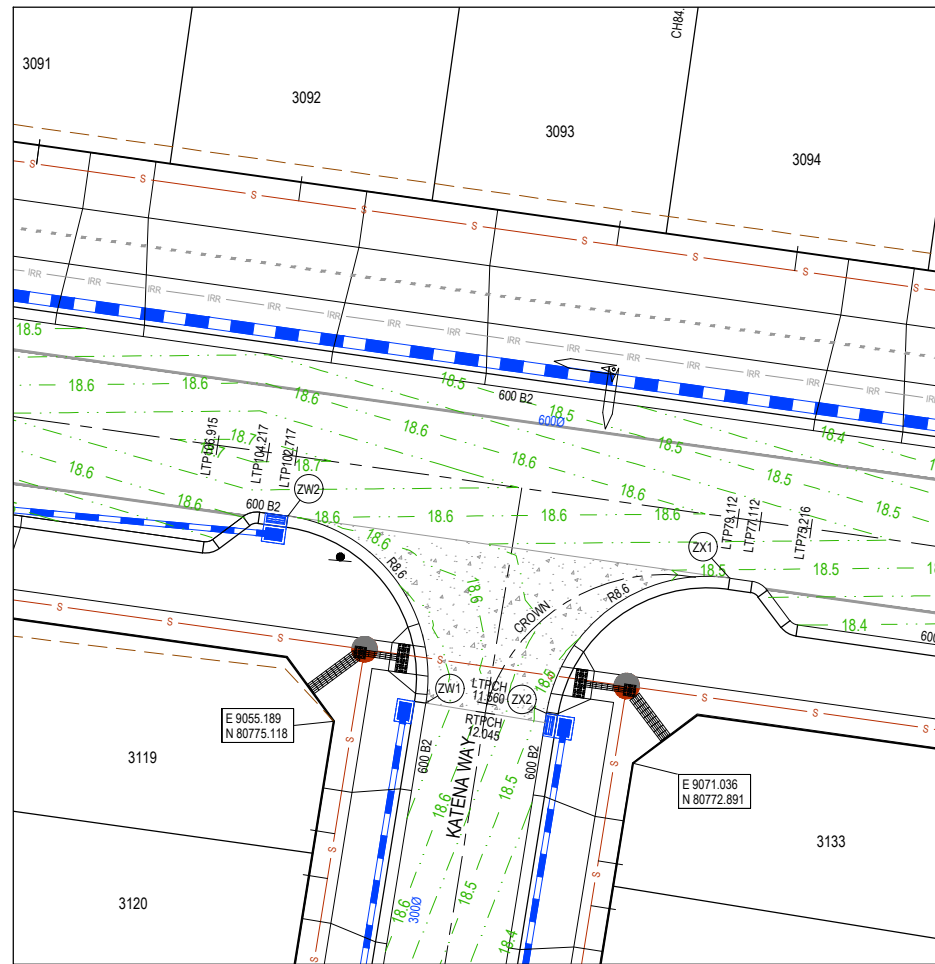
**BW Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: INTERSECTION DETAILS (SHEET 7 OF 9)

Sheet 41 of 58  
 Scale: 1:200 H 1:20 V @ A1  
 Project Ref: 1101438  
 Stage No: 31  
 Drawing No: 306  
 Rev: E

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

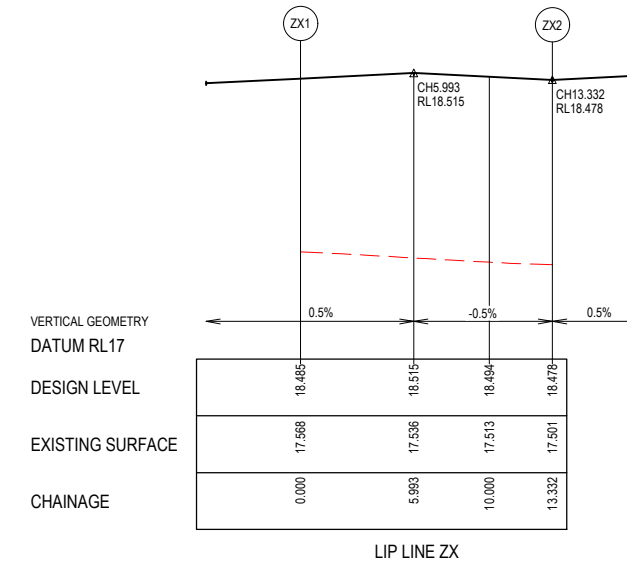


### ALIGNMENT ZW

Point no	Easting	Northing	RL
ZW1	9050.053	80776.073	18.694
ZW2	9052.760	80785.961	18.603

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
ZW1 - ZW2	91.178	8.600	13.686	2.582	1.910	3.332	2.811	3.421	18.648

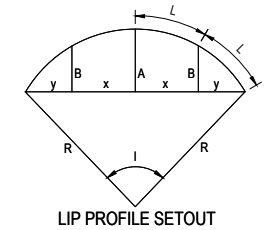


### ALIGNMENT ZX

Point no	Easting	Northing	RL
ZX1	9076.135	80782.677	18.485
ZX2	9066.449	80775.532	18.478

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
ZX1 - ZX2	88.822	8.600	13.332	2.457	1.819	3.250	2.768	3.333	18.511

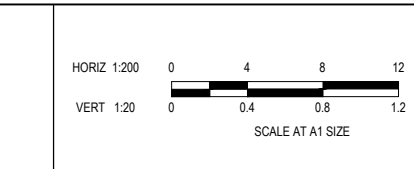


### LEGEND

- 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

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No.: PE010296  
 Date: 09.05.2024  
 PS Number: PS921351J

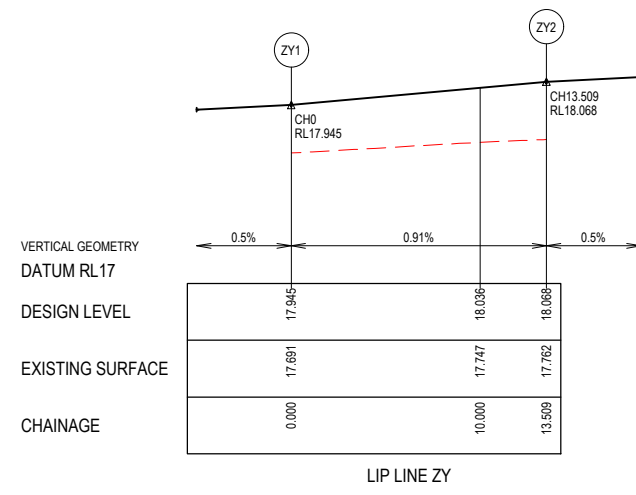
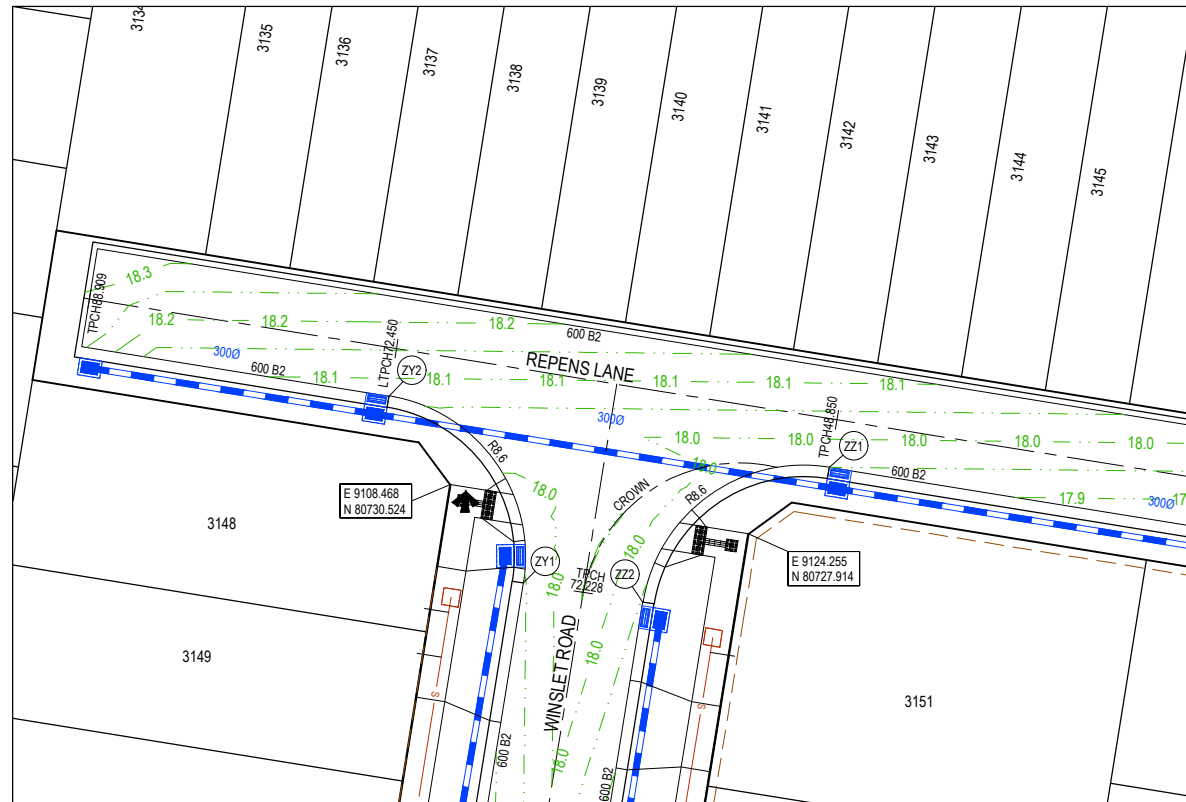
**Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: INTERSECTION DETAILS (SHEET 8 OF 9)

Sheet	42 of 58
Scale	1:200 H 1:20 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	307
Rev	E

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

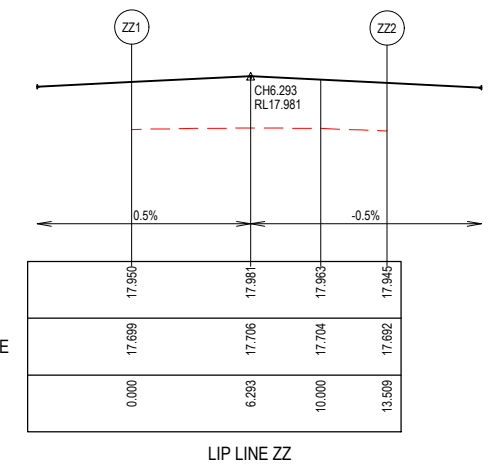


### ALIGNMENT ZY

Point no	Easting	Northing	RL
ZY1	9112.340	80725.331	17.945
ZY2	9105.222	80735.192	18.068

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
ZY1 - ZY2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	18.007

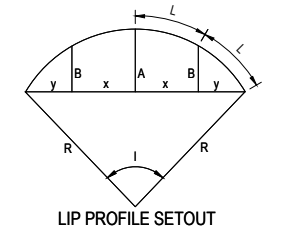


### ALIGNMENT ZZ

Point no	Easting	Northing	RL
ZZ1	9128.520	80731.429	17.950
ZZ2	9118.658	80724.310	17.945

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
ZZ1 - ZZ2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	17.979

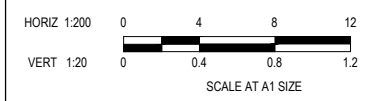


### LEGEND

- 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

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: **L. MURRAY**  
 Date: 24.04.2024  
 Drawn: **G.N. / MF.J.**  
 Checked: **S. FALKENSTEIN**  
 Date: 09.05.2024  
 Approved: **S. FALKENSTEIN**  
 Reg. No.: PE01016296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: **SMITHS LANE STAGE 31 CITY OF CASEY**

Drawing Title: **INTERSECTION DETAILS (SHEET 9 OF 9)**

Sheet **43 of 58**

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

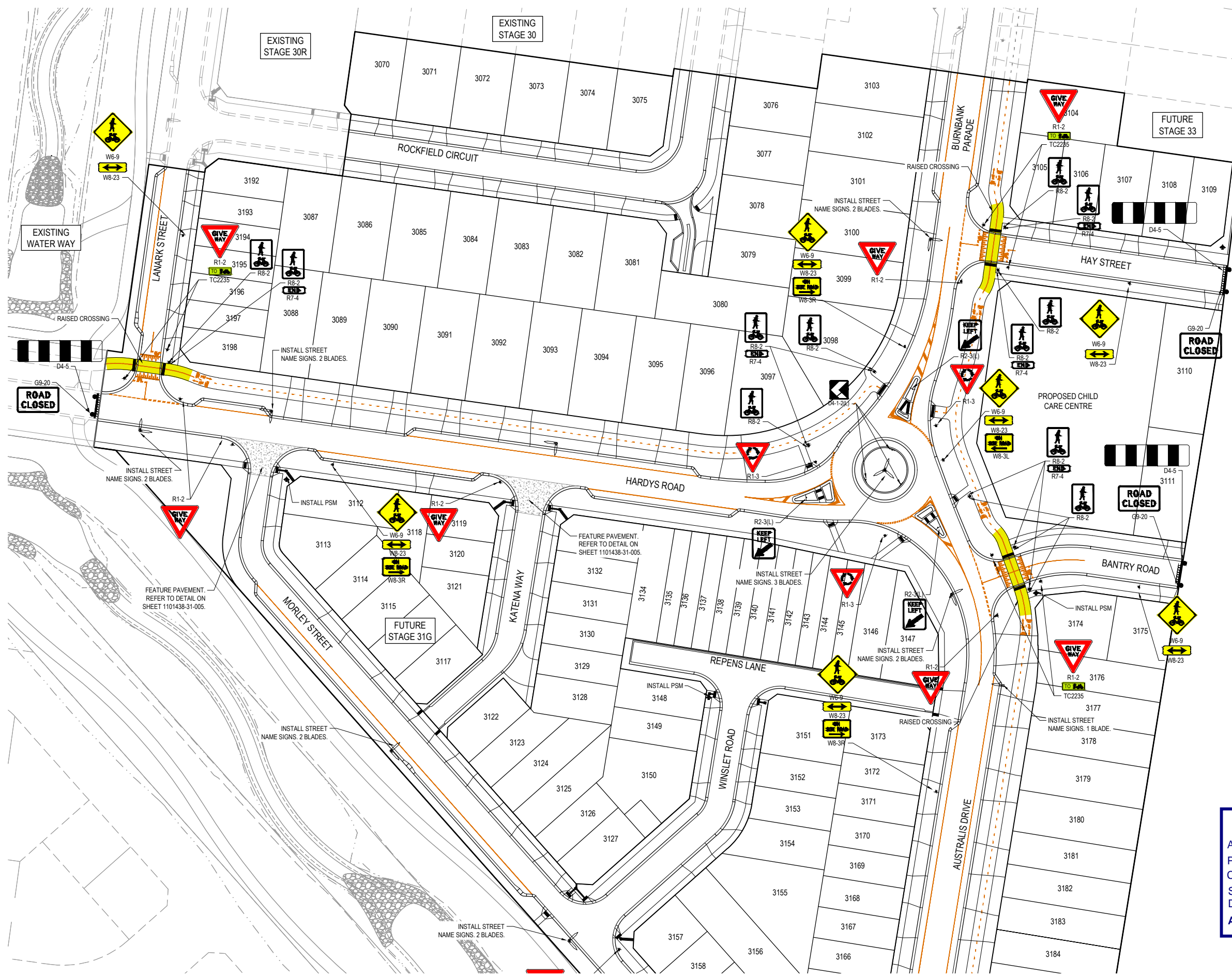
Project Ref: **1101438** Stage No: **31** Drawing No: **308** Rev: **E**

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- 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.

**LEGEND**

 YELLOW COLOURED OMNI GRIP CST SURFACE TREATMENT



**City of Casey**

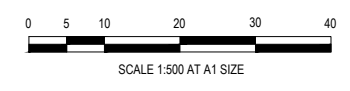
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

FOR CONTINUATION SEE SHEET 1101438-31-351

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	SIGNAGE ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

**SMITHS LANE**  
CLYDE NORTH

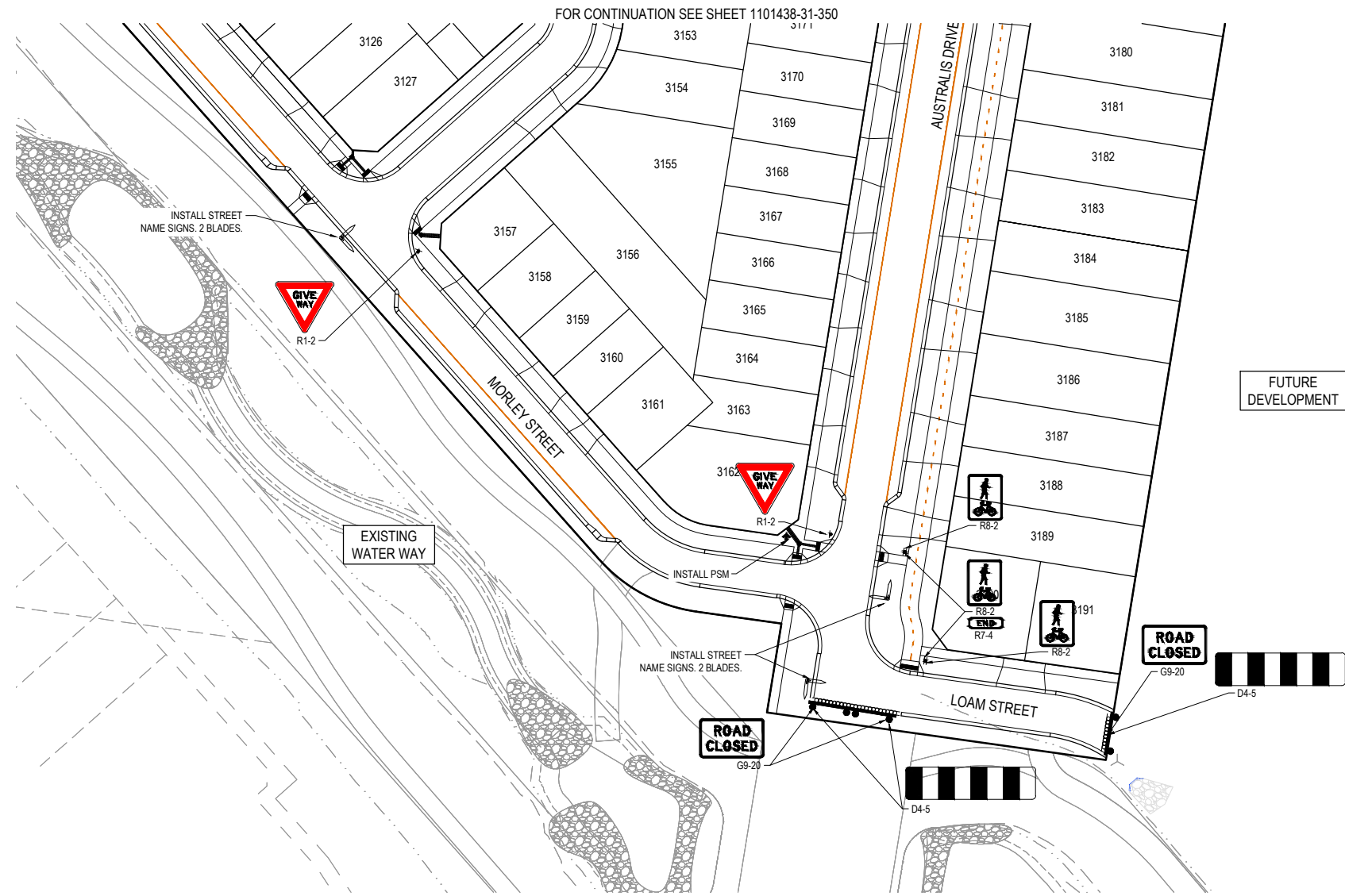
Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No.: PE010296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: SIGNAGE & LINE MARKING PLANS (SHEET 1 OF 2)

Sheet 44 of 58  
 Scale 1:500 @ A1  
 Project Ref: 1101438 Stage No: 31 Drawing No: 350 Rev: F

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- 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.

**LEGEND**

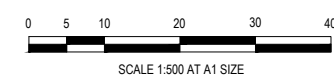
YELLOW COLOURED OMNI GRIP CST SURFACE TREATMENT

**City of Casey**

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	SIGNAGE ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No.: PE0016296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: SIGNAGE & LINE MARKING PLANS (SHEET 2 OF 2)

Sheet	45 of 58
Scale	1:500 @ A1
Project Ref	1101438
Stage No	31
Drawing No	351
Rev	F

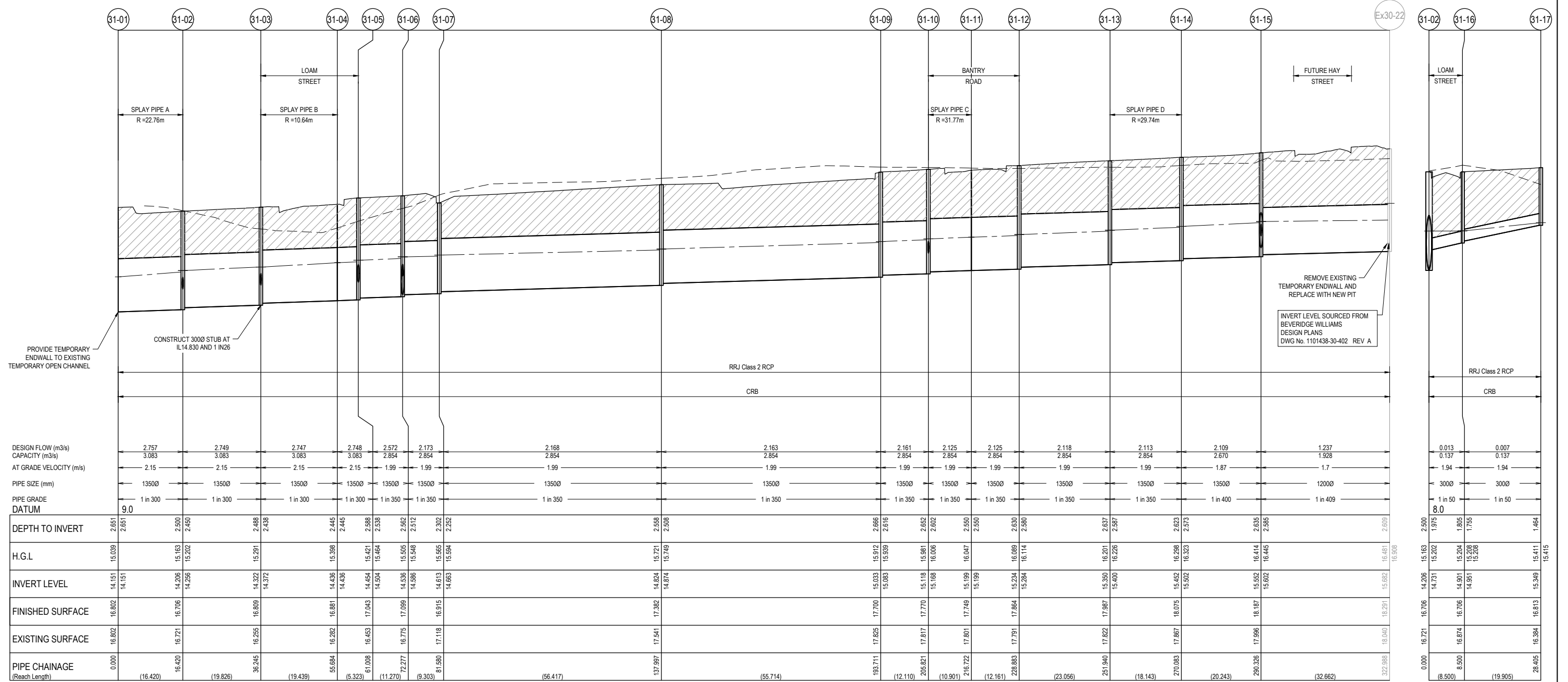
# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

Approval subject to conditions on page 5 of 58

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

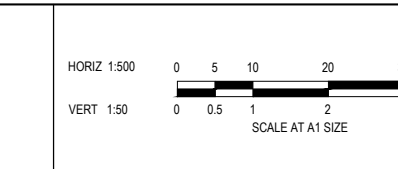
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	FUTURE DESIGN SURFACE
	DENOTES 20mm CLASS 3 FOR BACKFILL



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**BEFORE YOU DIG**  
 www.byda.com.au

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY 24.04.2024  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN 09.05.2024  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN P63016236  
 Reg. No. 09.05.2024  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 8)

Sheet 46 of 58  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1101438 Stage No: 31 Drawing No: 400 Rev: E

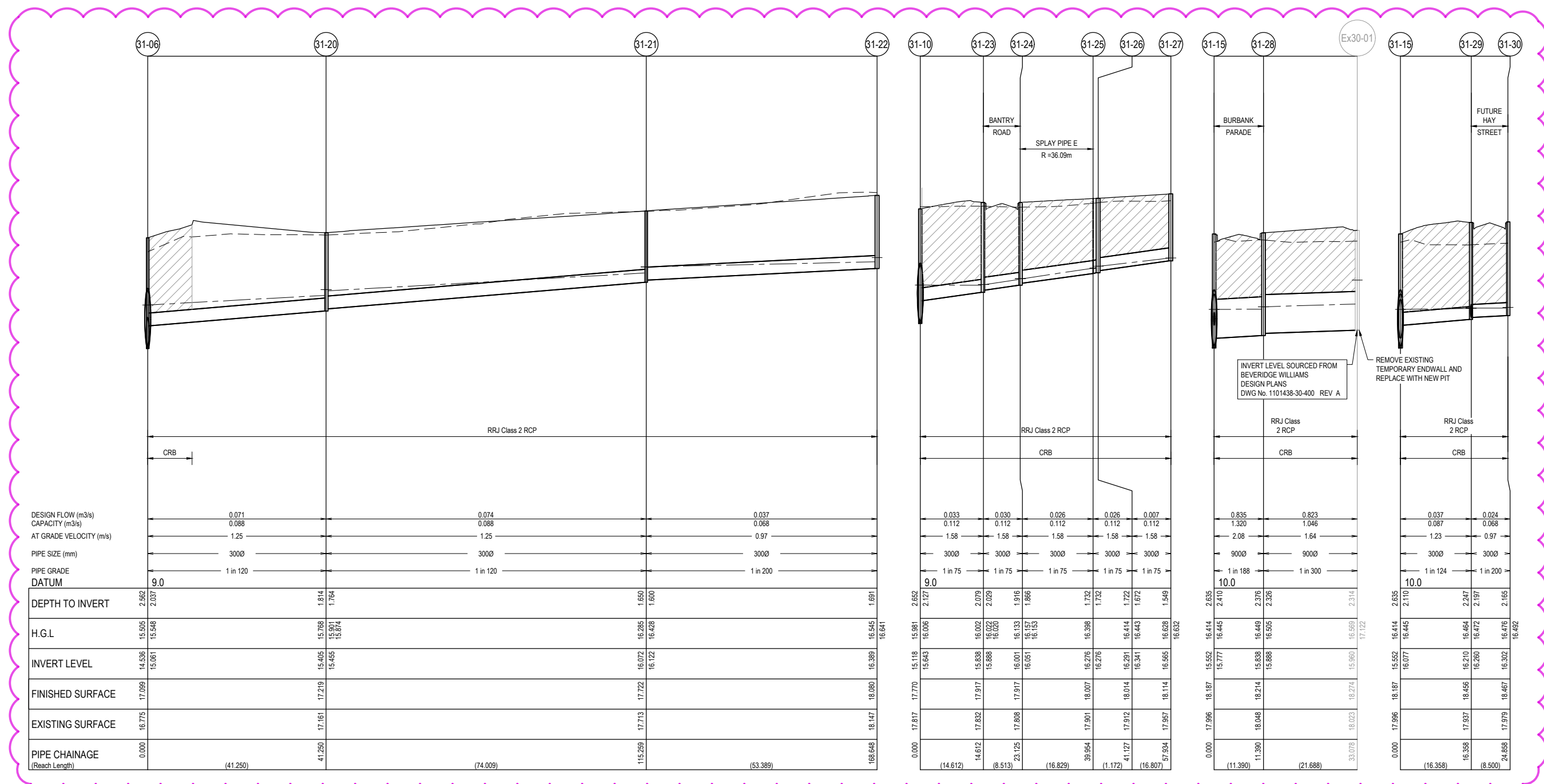
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# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**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
	FUTURE DESIGN SURFACE
	DENOTES 20mm CLASS 3 FOR BACKFILL



DESIGN FLOW (m3/s)	0.071	0.074	0.037
CAPACITY (m3/s)	0.088	0.088	0.068
AT GRADE VELOCITY (m/s)	1.25	1.25	0.97
PIPE SIZE (mm)	3000	3000	3000
PIPE GRADE DATUM	9.0	1 in 120	1 in 200
DEPTH TO INVERT	2.952	2.037	1.681
H.G.L.	15.505	15.548	15.545
INVERT LEVEL	14.536	15.405	15.901
FINISHED SURFACE	17.099	17.219	18.080
EXISTING SURFACE	16.775	17.161	18.147
PIPE CHAINAGE (Reach Length)	0.000	41.250	168.648

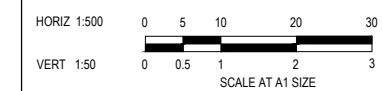
0.033	0.030	0.026	0.026	0.007
0.112	0.112	0.112	0.112	0.112
1.58	1.58	1.58	1.58	1.58
3000	3000	3000	3000	3000
1 in 75	1 in 75	1 in 75	1 in 75	1 in 75
9.0				
2.652	2.127	2.079	1.916	1.732
15.118	15.961	16.002	16.133	16.398
15.643	16.006	16.022	16.157	16.414
17.817	17.770	17.917	17.917	18.014
17.832	17.832	17.808	17.808	17.912
17.901	18.007	18.007	18.007	18.114
17.954	17.954	17.954	17.954	18.057
41.612	8.513	23.125	41.127	57.934
(14.612)	(8.513)	(16.829)	(1.172)	(16.807)

0.835	0.823	0.037	0.024
1.320	1.046	0.087	0.068
2.08	1.64	1.23	0.97
9000	9000	3000	3000
1 in 188	1 in 300	1 in 124	1 in 200
10.0			
2.635	2.314	2.110	2.165
16.414	16.414	16.414	16.476
15.552	15.552	16.077	16.445
15.777	16.445	16.077	16.445
18.187	18.214	18.456	18.467
18.048	18.214	18.260	18.467
11.390	15.888	16.210	16.302
11.390	15.888	16.210	16.302
33.078	18.023	18.274	18.467
0.000	17.996	18.187	17.979
(11.390)	(21.688)	(16.358)	(8.500)

**WARNING**  
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**BEFORE YOU DIG**  
[www.byda.com.au](http://www.byda.com.au)

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	PITS 31-18 & 31-19 REMOVED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016236  
 Date: 09.05.2024  
 PS Number: PS921351J

**BW Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
[www.beveridgewilliams.com.au](http://www.beveridgewilliams.com.au)

Project Details  
**SMITHS LANE**  
**STAGE 31**  
**CITY OF CASEY**

Drawing Title  
**DRAINAGE LONGITUDINAL SECTIONS**  
**(SHEET 2 OF 8)**

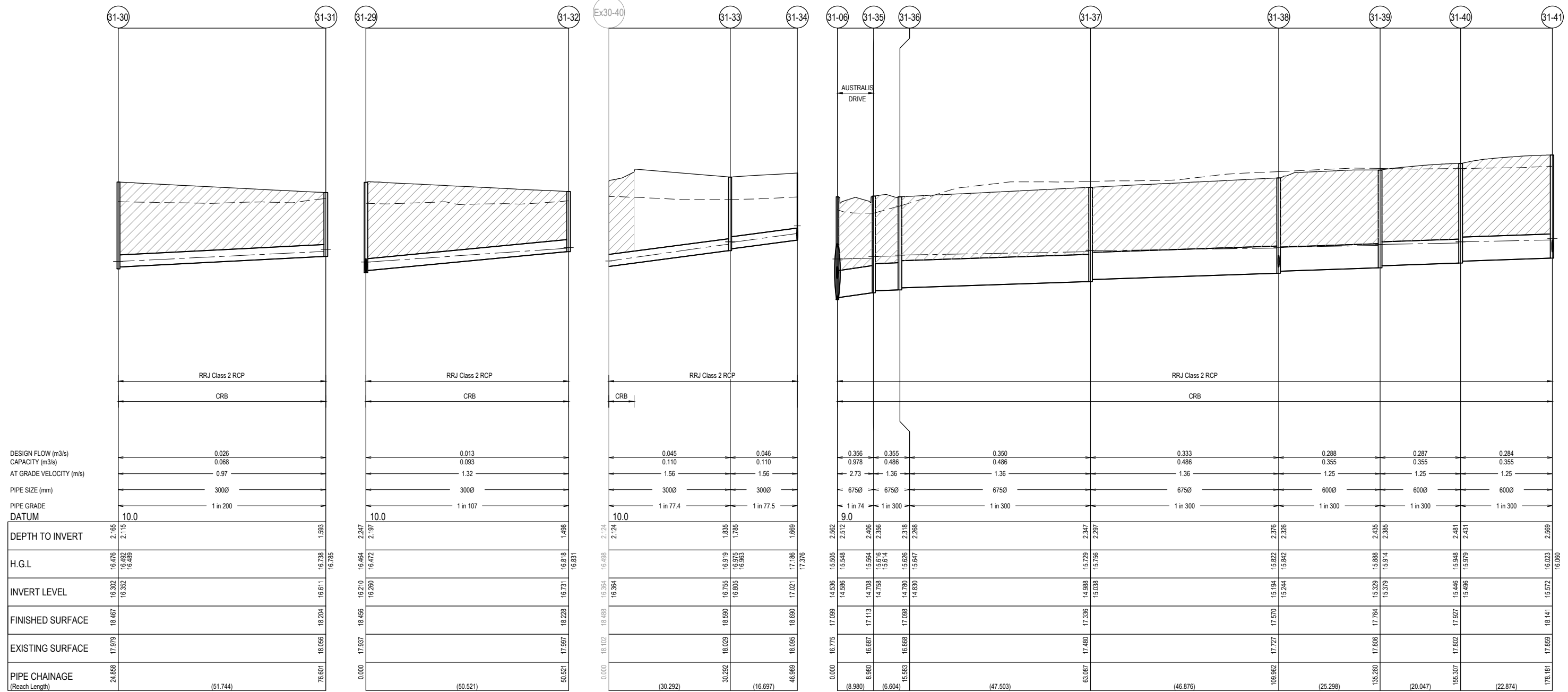
Sheet	47 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	401
Rev	F

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

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

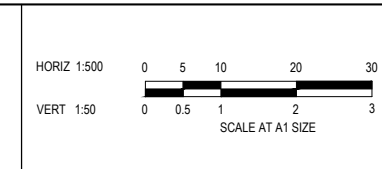
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	FUTURE DESIGN SURFACE
	DENOTES 20mm CLASS 3 FOR BACKFILL



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**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE01016296  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 8)

Sheet 48 of 58
Scale 1:500 H 1:50 V @ A1
Project Ref 1101438
Stage No 31
Drawing No 402
Rev E

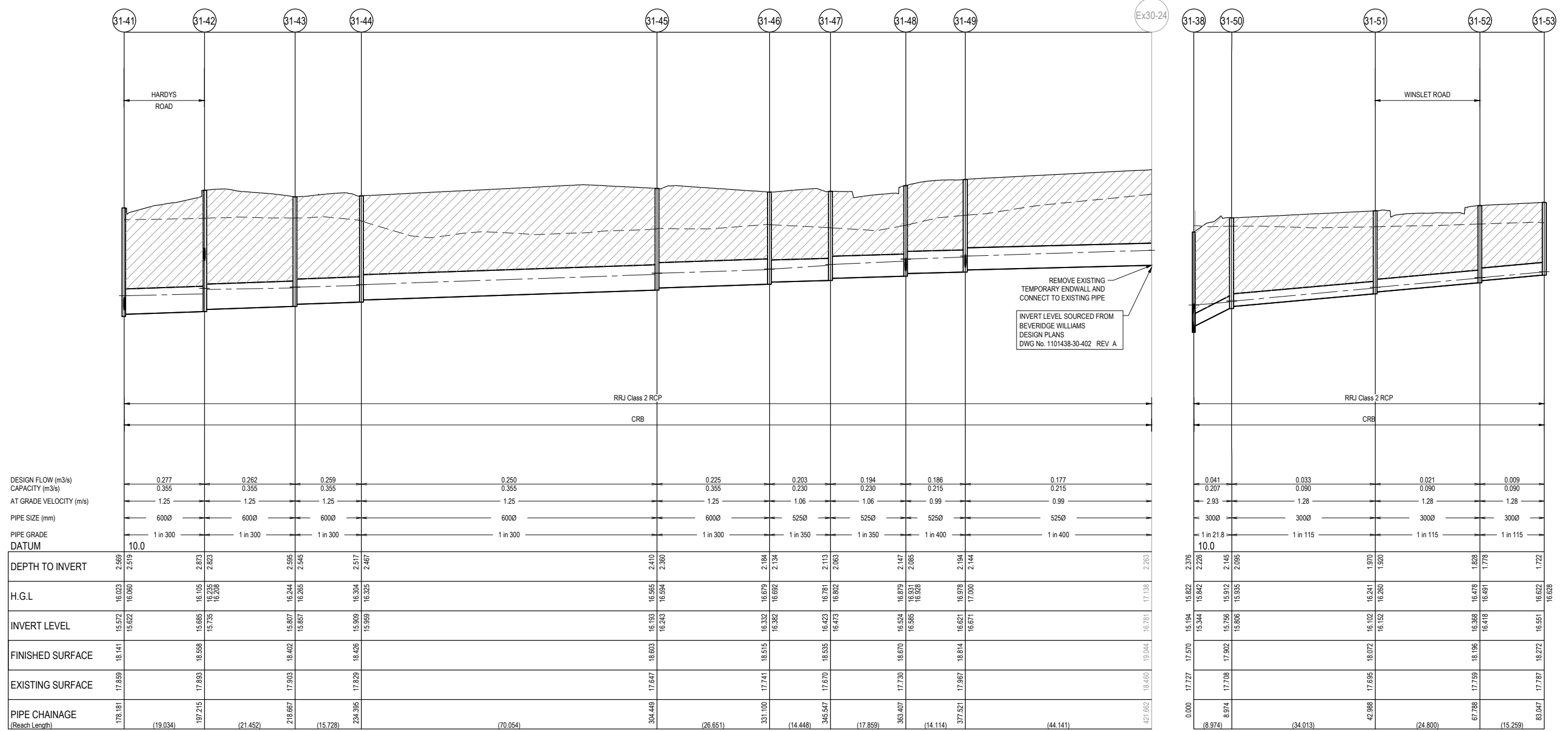
# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

Approval subject to conditions on page 5 of 58

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

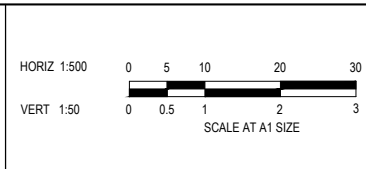
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	FUTURE DESIGN SURFACE
	DNOTES 20mm CLASS 3 FOR BACKFILL



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**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS2016236  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 8)

Sheet 49 of 58  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1101438  
 Stage No: 31  
 Drawing No: 403  
 Rev: E

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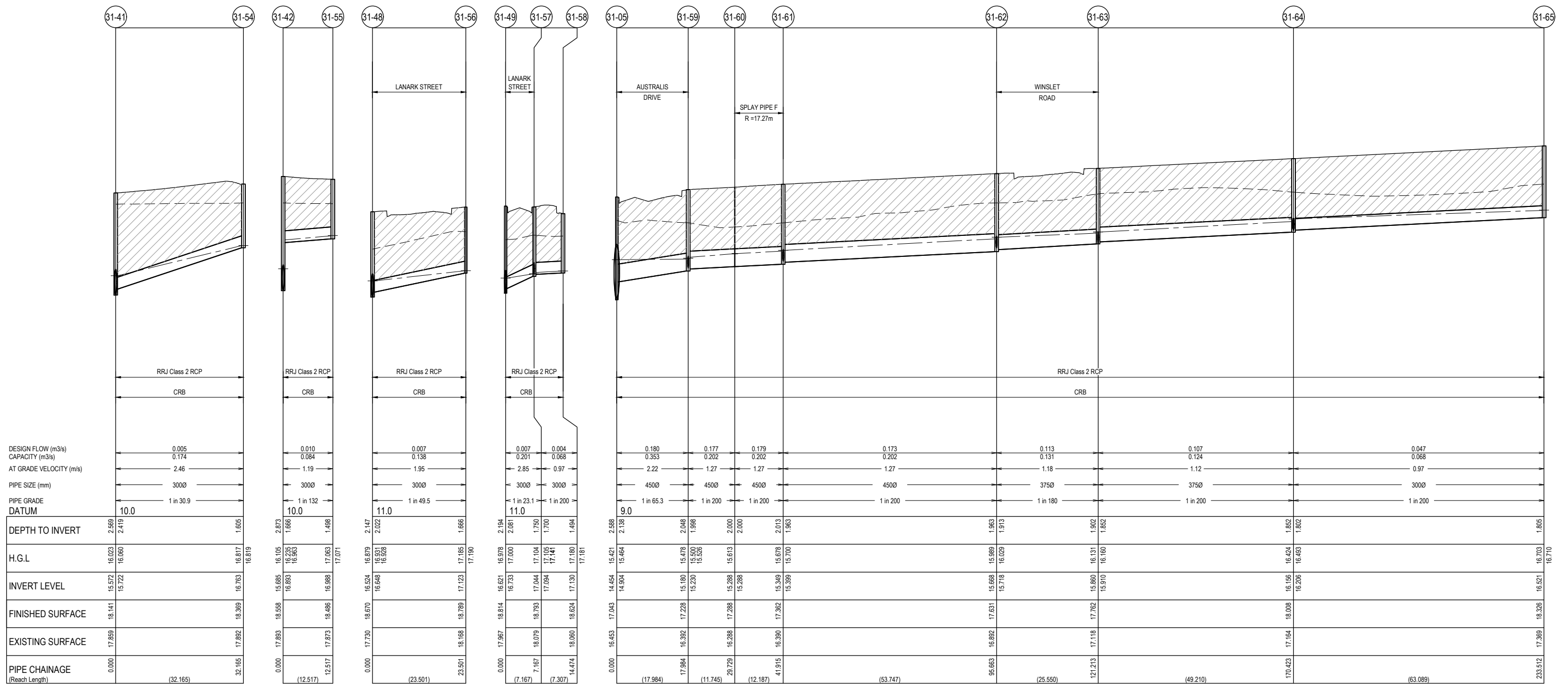
# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

Approval subject to conditions on page 5 of 58

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

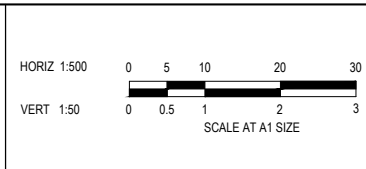
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	FUTURE DESIGN SURFACE
	DENOTES 20mm CLASS 3 FOR BACKFILL



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**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016236  
 Date: 09.05.2024  
 PS Number: PS921351J

**BW Beveridge Williams**  
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 Malvern VIC 3144  
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 www.beveridgewilliams.com.au

Project Details  
**SMITHS LANE**  
**STAGE 31**  
**CITY OF CASEY**

Drawing Title  
**DRAINAGE LONGITUDINAL SECTIONS**  
**(SHEET 5 OF 8)**

Sheet	50 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	404
Rev	E

# City of Casey

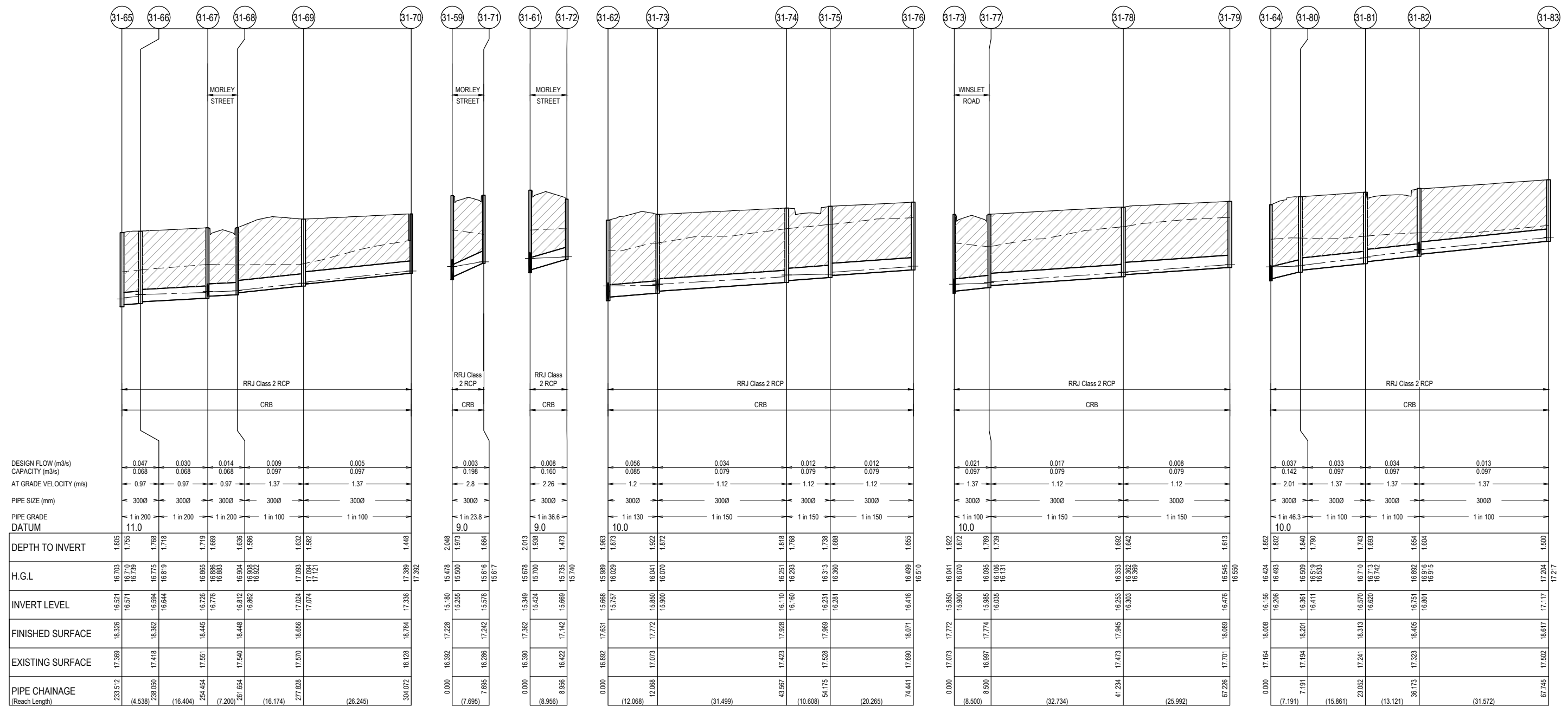
Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**NOTES:**  
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**LEGEND**

- EXISTING SURFACE
- DESIGN SURFACE
- DRAINAGE PIPE/PIT
- EXISTING DRAINAGE PIPE/PIT
- HYDRAULIC GRADE LINE
- FUTURE DESIGN SURFACE

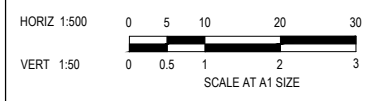
DENOTES 20mm CLASS 3 FOR BACKFILL.



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**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS2016236  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
**SMITHS LANE**  
**STAGE 31**  
**CITY OF CASEY**

Drawing Title  
**DRAINAGE LONGITUDINAL SECTIONS**  
**(SHEET 6 OF 8)**

Sheet **51** of **58**

Scale  
**1:500 H 1:50 V @ A1**

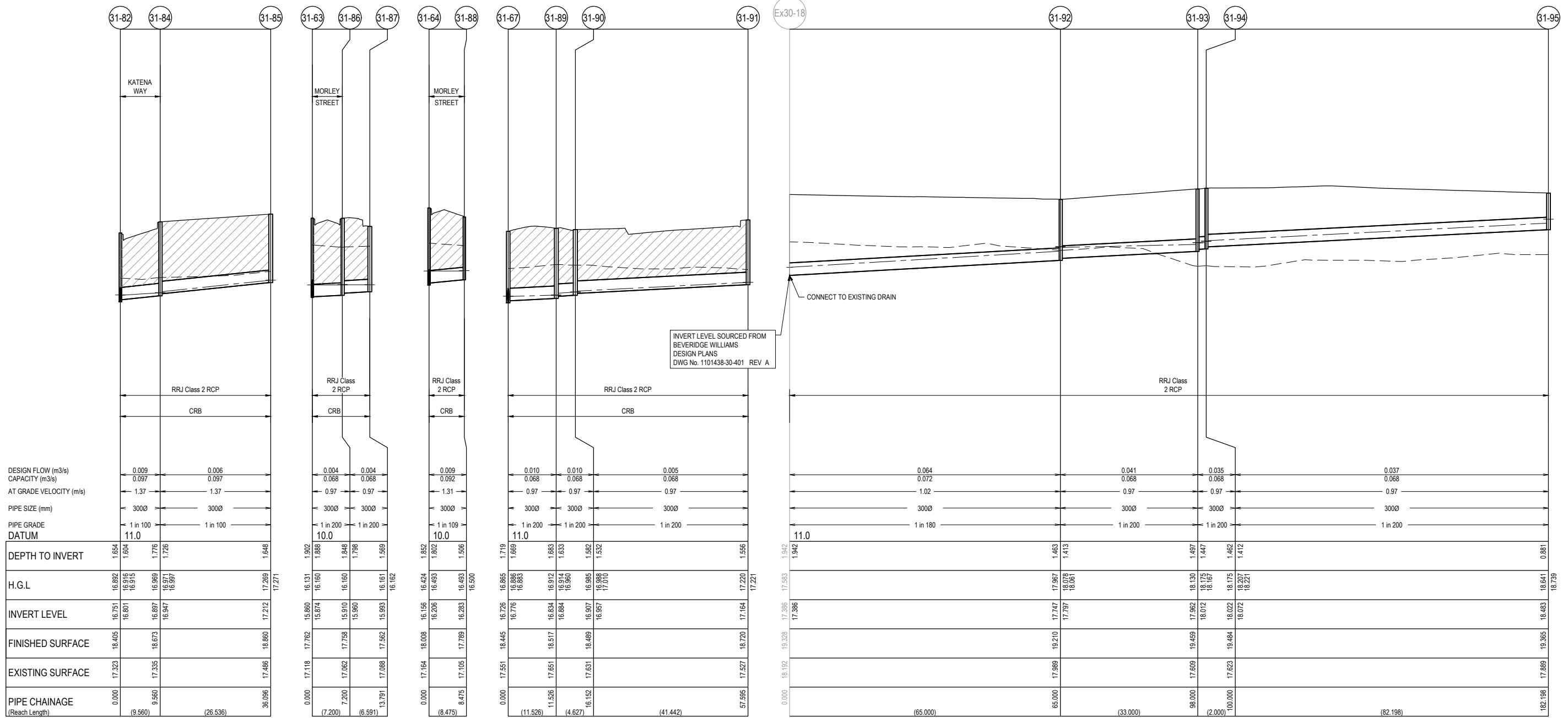
Project Ref: **1101438** Stage No: **31** Drawing No: **405** Rev: **E**

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

**NOTES:**  
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LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	FUTURE DESIGN SURFACE
	DENOTES 20mm CLASS 3 FOR BACKFILL



DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	PIPE GRADE DATUM
0.009	0.006	1.37	3000	11.0
0.097	0.097	1.37	3000	1 in 100

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.654	16.892	16.751	18.405	17.323	0.000
1.604	16.916	16.801	18.405	17.323	9.560
1.726	16.969	16.897	18.673	17.335	(26.536)
1.648	17.209	16.971	18.860	17.406	36.096
17.271	17.271	16.997	18.860	17.406	

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.902	16.131	15.860	17.762	17.118	0.000
1.888	16.160	15.874	17.762	17.118	7.200
1.848	16.160	15.910	17.758	17.062	(6.591)
1.798	16.160	15.960	17.758	17.062	13.791
1.569	16.161	15.993	17.562	17.088	13.791
16.162	16.162	15.993	17.562	17.088	

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.862	16.424	16.156	18.008	17.164	0.000
1.802	16.493	16.206	18.008	17.164	8.475
1.506	16.493	16.283	18.008	17.164	(8.475)
1.500	16.500	16.283	18.008	17.164	16.161
1.500	16.500	16.283	18.008	17.164	16.161

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.719	16.665	16.726	18.445	17.551	0.000
1.669	16.886	16.776	18.445	17.551	11.526
1.633	16.912	16.834	18.517	17.651	(4.627)
1.582	16.914	16.884	18.517	17.651	16.152
1.532	16.985	16.907	18.489	17.631	(41.442)
1.566	17.010	16.957	18.720	17.627	57.956
17.221	17.220	16.957	18.720	17.627	

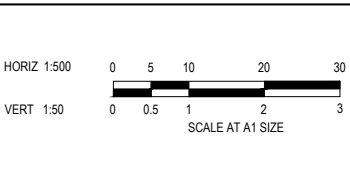
DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.942	17.386	17.386	19.328	18.192	0.000
1.463	17.967	17.747	19.210	17.969	65.000
1.413	18.078	17.797	19.210	17.969	65.000
1.462	18.175	18.012	19.459	17.609	98.000
1.412	18.221	18.072	19.484	17.623	100.000
0.881	18.641	18.463	19.365	17.880	182.198
0.881	18.641	18.463	19.365	17.880	182.198

DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
1.462	18.175	18.012	19.459	17.609	98.000
1.412	18.221	18.072	19.484	17.623	100.000
0.881	18.641	18.463	19.365	17.880	182.198
0.881	18.641	18.463	19.365	17.880	182.198

**WARNING**  
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 www.byda.com.au

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS016298  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project Details  
 SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title  
 DRAINAGE LONGITUDINAL SECTIONS  
 (SHEET 7 OF 8)

Sheet	52 of 58
Scale	1:500 H 1:50 V @ A1
Project Ref	1101438
Stage No	31
Drawing No	406
Rev	E

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

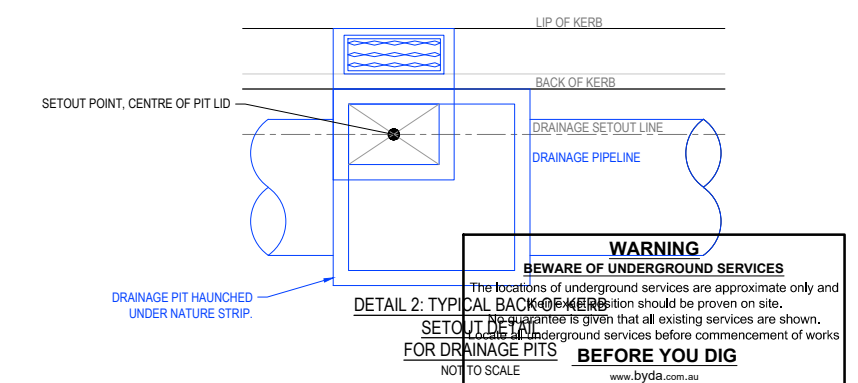
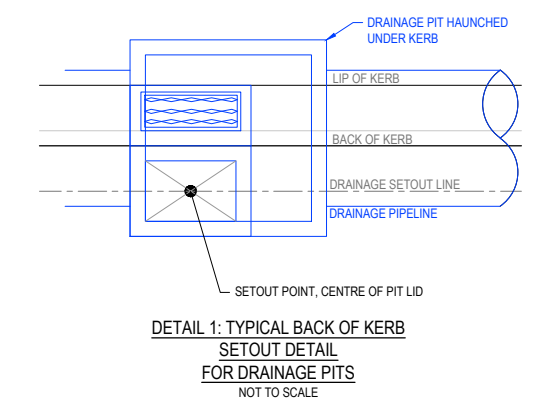
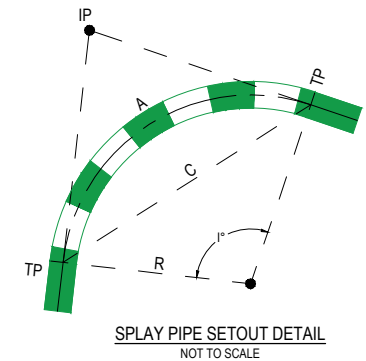
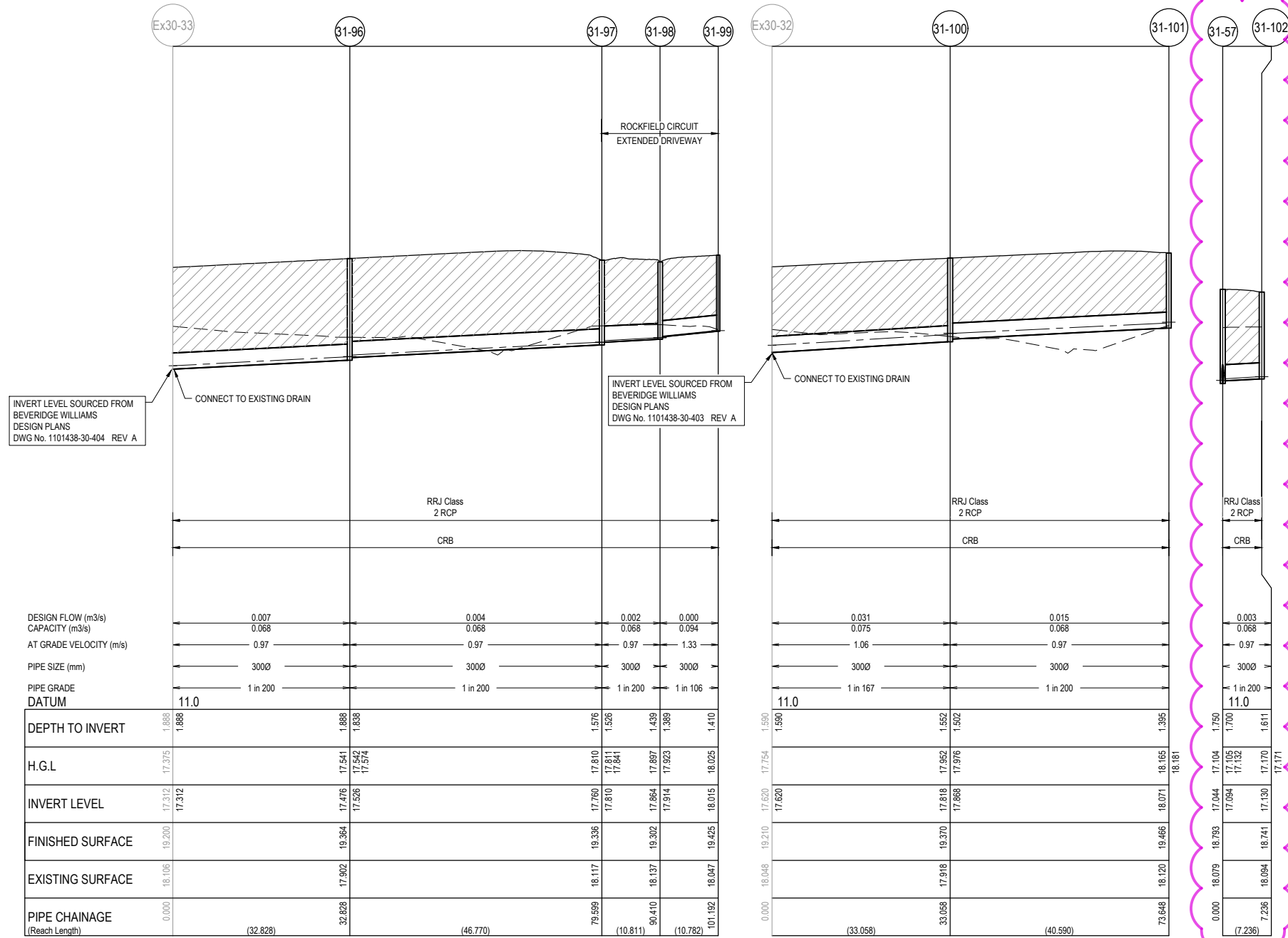
Approval subject to conditions on page 5 of 58

**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
	FUTURE DESIGN SURFACE
	DENOTES 20mm CLASS 3 FOR BACKFILL

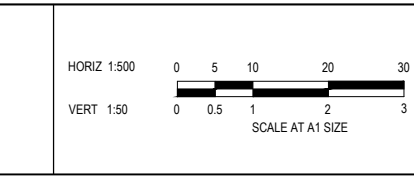
CURVE DETAILS TABLE

LOCATION	DEFLECTION ANGLE (I)	RADIUS (R)	ARC LENGTH (A)	CHORD LENGTH (C)	TP1 (E,N)	TP2 (E,N)	METHOD
A	40.94 deg	22.76 m	16.34 m	15.99 m	9191.080, 80583.446	9205.161, 80575.862	BANDAGE JOINT SPLAYS
B	84.80 deg	10.64 m	18.12 m	16.01 m	9161.192, 80599.281	9170.552, 80586.299	BANDAGE JOINT SPLAYS
C	18.64 deg	31.77 m	10.33 m	10.29 m	9179.800, 80758.050	9181.909, 80747.979	BANDAGE JOINT SPLAYS
D	33.81 deg	29.74 m	17.55 m	17.30 m	9166.817, 80808.648	9166.952, 80791.349	BANDAGE JOINT SPLAYS
E	26.99 deg	36.09 m	17.00 m	16.84 m	9189.432, 80766.242	9206.196, 80767.855	BANDAGE JOINT SPLAYS
F	38.93 deg	17.27 m	11.74 m	11.51 m	9124.193, 80620.160	9134.409, 80614.852	BANDAGE JOINT SPLAYS



**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	PIT 102 ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PS0101936  
 Date: 09.05.2024  
 PS Number: PS921351J

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

Project: SMITHS LANE STAGE 31 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 8 OF 8) AND PIT DETAILS

Sheet 53 of 58  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1101438  
 Stage No: 31  
 Drawing No: 407  
 Rev: F

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# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**

Approval subject to conditions on page 5 of 58

## PIT SCHEDULE

PIT NAME	PIT TYPE	UD		INTERNAL		INLET		OUTLET		F.S.L.	DEPTH (m)	RT DETAIL	HAUNCH DETAIL	STEP IRONS	HEAVY DUTY	REMARKS	
		WIDTH (mm)	LENGTH (mm)	WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	IN/VR (mm)	DIAMETER (mm)	IN/VR (mm)								
31-01	ENDWALL					1350	14.151			16.802	2.651	-	-	-	-	TEMPORARY ENDWALL TO SUIT DN1350.	
31-02	SIDE ENTRY PIT	600	900	1650	900	1350	14.256	1350	14.206	16.706	2.5	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 1.	
31-03	SIDE ENTRY PIT	600	900	1650	900	1350	14.372	1350	14.322	16.809	2.488	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 1.	
31-04	TANGENT POINT	-	-			1350	14.436	1350	14.436	16.881	2.445	-	-	-	-	CURVE TANGENT POINT.	
31-05	SIDE ENTRY PIT	600	900	1650	900	1350	14.504	1350	14.454	17.043	2.588	EDCM601	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 2.	
31-06	JUNCTION PIT	600	900	1650	900	1350	14.586	1350	14.536	17.099	2.562	EDCM605	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 2.	
31-07	SIDE ENTRY PIT	600	900	1650	900	1350	14.663	1350	14.613	16.915	2.302	EDCM601	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 2.	
31-08	SIDE ENTRY PIT	600	900	1500	900	1350	14.874	1350	14.824	17.382	2.558	EDCM601	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 2.	
31-09	SIDE ENTRY PIT	600	900	1650	900	1350	15.083	1350	15.033	17.7	2.666	EDCM601	EDCM607	-	YES	HAUNCH EAST. REFER TO DETAIL 2.	
31-10	SIDE ENTRY PIT	600	900	1500	900	1350	15.168	1350	15.118	17.77	2.652	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 1.	
31-11	TANGENT POINT	-	-			1350	15.199	1350	15.199	17.749	2.55	-	-	-	-	CURVE TANGENT POINT.	
31-12	SIDE ENTRY PIT	600	900	1500	900	1350	15.284	1350	15.234	17.864	2.63	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 1.	
31-13	SIDE ENTRY PIT	600	900	1500	900	1350	15.4	1350	15.35	17.987	2.637	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 1.	
31-14	SIDE ENTRY PIT	600	900	1500	900	1350	15.502	1350	15.452	18.075	2.623	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 1.	
31-15	SIDE ENTRY PIT	600	900	1500	1200	1200	15.602	1350	15.552	18.187	2.635	EDCM601	VRSD1023	-	-	HAUNCH NORTH & WEST. REFER TO DETAIL 1.	
EX30-22	SIDE ENTRY PIT	600	900	600	900					1200	15.682	18.291	2.609	EDCM601	-	-	REMOVE EXISTING END WALL AND REPLACE WITH SIDE ENTRY PIT. HAUNCH WEST. REFER TO DETAIL 1.
31-16	SIDE ENTRY PIT	600	900	600	900	300	14.951	300	14.901	16.706	1.805	EDCM601	-	-	-		
31-17	SIDE ENTRY PIT	600	900	600	900	300	15.349	300	15.349	16.813	1.464	EDCM601	-	-	-		
31-20	JUNCTION PIT	600	900	600	900	300	15.455	300	15.405	17.219	1.814	EDCM605	-	-	-		
31-21	JUNCTION PIT	600	900	600	900	300	16.122	300	16.072	17.722	1.65	EDCM605	-	-	-		
31-22	JUNCTION PIT	600	900	600	900	300	16.389	300	16.389	18.08	1.691	EDCM605	-	-	-		
31-23	DOUBLE GRATED SIDE ENTRY PIT	600	900	600	900	300	15.888	300	15.838	17.917	2.079	EDCM602	-	-	-		
31-24	DOUBLE GRATED SIDE ENTRY PIT	600	900	600	900	300	16.051	300	16.001	17.917	1.916	EDCM602	-	-	-		
31-25	TANGENT POINT	-	-			300	16.276	300	16.276	18.007	1.732	-	-	-	-	CURVE TANGENT POINT.	
31-26	JUNCTION PIT	600	900	600	900	300	16.341	300	16.291	18.014	1.722	EDCM605	-	-	-		
31-27	SIDE ENTRY PIT	600	900	600	900	300	16.565	300	16.565	18.114	1.549	EDCM601	-	-	-		
31-28	SIDE ENTRY PIT	600	900	1500	900	900	15.888	900	15.838	18.214	2.376	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 2.	
EX30-01	SIDE ENTRY PIT	600	900	1200	900					900	15.96	18.274	2.314	EDCM601	EDCM607	-	REMOVE EXISTING END WALL AND REPLACE WITH SIDE ENTRY PIT. HAUNCH EAST. REFER TO DETAIL 1.
31-29	JUNCTION PIT	600	900	600	900	300	16.26	300	16.26	18.456	2.247	EDCM605	-	-	-		
31-30	JUNCTION PIT	600	900	600	900	300	16.352	300	16.302	18.467	2.165	EDCM605	-	-	-		
31-31	SIDE ENTRY PIT	600	900	600	900	300	16.611	300	16.611	18.204	1.593	EDCM601	-	-	-		
31-32	SIDE ENTRY PIT	600	900	600	900	300	16.731	300	16.731	18.228	1.498	EDCM601	-	-	YES		
EX30-40	END OF LINE					300	16.364			18.488	2.124	-	-	-	-		
31-33	SIDE ENTRY PIT	600	900	600	900	300	16.805	300	16.755	18.59	1.835	-	-	-	-		
31-34	END OF LINE					300	17.021			18.69	1.669	#N/A	-	-	-		
31-35	SIDE ENTRY PIT	600	900	1050	900	675	14.758	675	14.708	17.113	2.406	EDCM601	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 1.	
31-36	SIDE ENTRY PIT	600	900	900	900	675	14.83	675	14.78	17.098	2.318	EDCM601	EDCM607	-	YES	HAUNCH EAST. REFER TO DETAIL 1.	
31-37	SIDE ENTRY PIT	600	900	900	900	675	15.038	675	14.988	17.336	2.347	EDCM601	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 1.	
31-38	SIDE ENTRY PIT	600	900	900	900	600	15.244	675	15.194	17.57	2.376	EDCM601	EDCM607	-	-	HAUNCH EAST. REFER TO DETAIL 1.	
31-39	SIDE ENTRY PIT	600	900	900	900	300	15.344	600	15.329	17.764	2.435	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 2.	
31-40	SIDE ENTRY PIT	600	900	900	900	600	15.496	600	15.446	17.927	2.481	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 2.	
31-41	SIDE ENTRY PIT	600	900	900	900	600	15.622	600	15.572	18.141	2.569	EDCM601	EDCM607	-	-	HAUNCH SOUTH. REFER TO DETAIL 2.	
31-42	SIDE ENTRY PIT	600	900	900	1050	600	15.735	600	15.685	18.558	2.873	EDCM601	VRSD1023	-	-	HAUNCH NORTH & EAST. REFER TO DETAIL 2.	
31-43	SIDE ENTRY PIT	600	900	900	900	600	15.857	600	15.807	18.402	2.595	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 2.	
31-44	SIDE ENTRY PIT	600	900	900	900	600	15.959	600	15.909	18.426	2.517	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 2.	
31-45	SIDE ENTRY PIT	600	900	900	900	600	16.243	600	16.193	18.603	2.41	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 2.	
31-46	SIDE ENTRY PIT	600	900	900	900	525	16.382	600	16.332	18.515	2.184	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 2.	
31-47	SIDE ENTRY PIT	600	900	750	900	525	16.473	525	16.423	18.535	2.113	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 2.	
31-48	SIDE ENTRY PIT	600	900	750	900	525	16.585	525	16.524	18.67	2.147	EDCM601	EDCM607	-	-	HAUNCH NORTH. REFER TO DETAIL 2.	
31-49	SIDE ENTRY PIT	600	900	900	900	525	16.671	525	16.621	18.814	2.194	EDCM601	EDCM607	-	-	HAUNCH WEST. REFER TO DETAIL 1.	
EX30-25	END PIPE					300	16.733			19.044	2.263	#N/A	-	-	-	CONNECT TO EXISTING END PIPE.	
31-50	SIDE ENTRY PIT	600	900	600	900	300	15.806	300	15.756	17.902	2.145	EDCM601	-	-	-		
31-51	SIDE ENTRY PIT	600	900	600	900	300	16.152	300	16.102	18.072	1.97	EDCM601	-	-	-		
31-52	SIDE ENTRY PIT	600	900	600	900	300	16.418	300	16.368	18.196	1.828	EDCM601	-	-	-		
31-53	JUNCTION PIT	600	900	600	900	300	16.551	300	16.551	18.272	1.722	EDCM605	-	-	-		
31-54	SIDE ENTRY PIT	600	900	600	900	300	16.763	300	16.763	18.369	1.605	EDCM601	-	-	-		
31-55	SIDE ENTRY PIT	600	900	600	900	300	16.988	300	16.988	18.486	1.498	EDCM601	-	-	-		
31-56	SIDE ENTRY PIT	600	900	600	900	300	17.123	300	17.123	18.789	1.666	EDCM601	-	-	-		
31-57	SIDE ENTRY PIT	600	900	600	900	300	17.094	300	17.044	18.793	1.75	EDCM601	-	-	-		
31-58	SIDE ENTRY PIT	600	900	600	900	300	17.13	300	17.13	18.624	1.494	VRSD1282	-	-	-		

F

**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

**FOR CONSTRUCTION**

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F	PITS 31-18 & 31-19 REMOVED	26.06.25	TS	SF												
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY												
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.							



Designed: LMURRAY  
 Date: 24.04.2024  
 Drawn: G.N. / MF.J.  
 Checked: S.FALKENSTEIN  
 Date: 09.05.2024  
 Approved: S.FALKENSTEIN  
 Reg. No: PE016298  
 Date: 09.05.2024  
 PS Number: PS921351J

**BW** Beveridge Williams  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
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 ph: 03 9524 8888  
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Project Details: SMITHS LANE  
 STAGE 31  
 CITY OF CASEY

Drawing Title: PIT SCHEDULE (SHEET 1 OF 2)

Project Ref: 1101438  
 Stage No: 31  
 Drawing No: 408  
 Rev: F

Sheet	54 of 58		
Scale	NOT TO SCALE		
Project Ref	Stage No	Drawing No	Rev
1101438	31	408	F

# City of Casey

Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

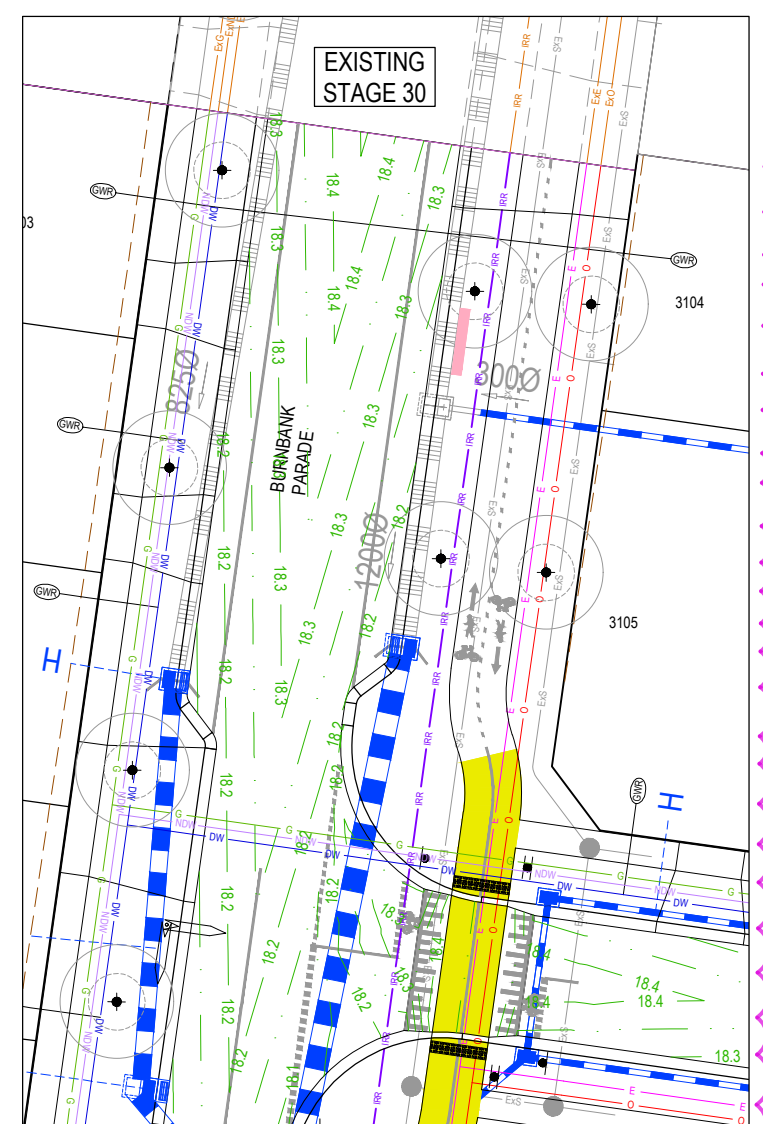
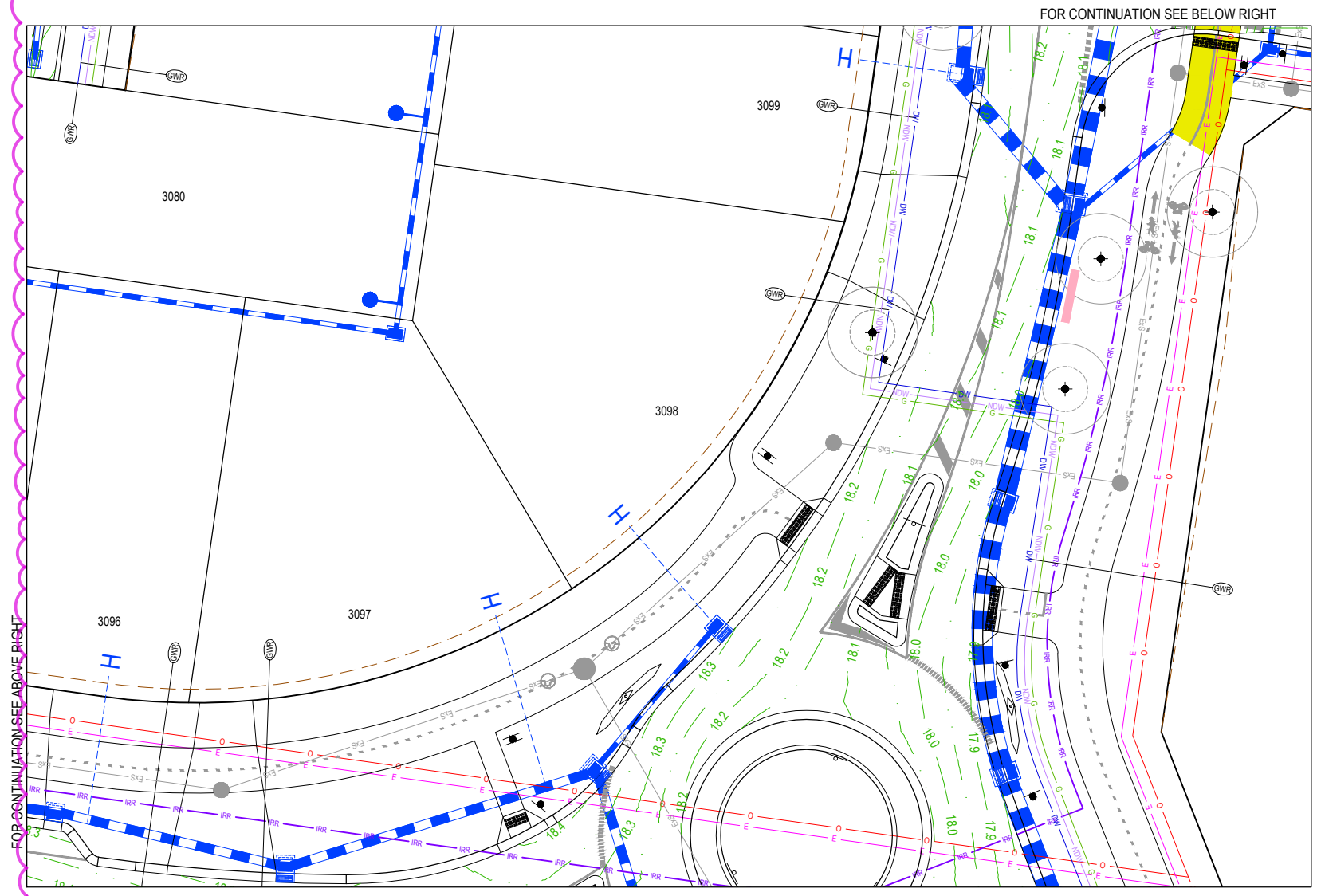
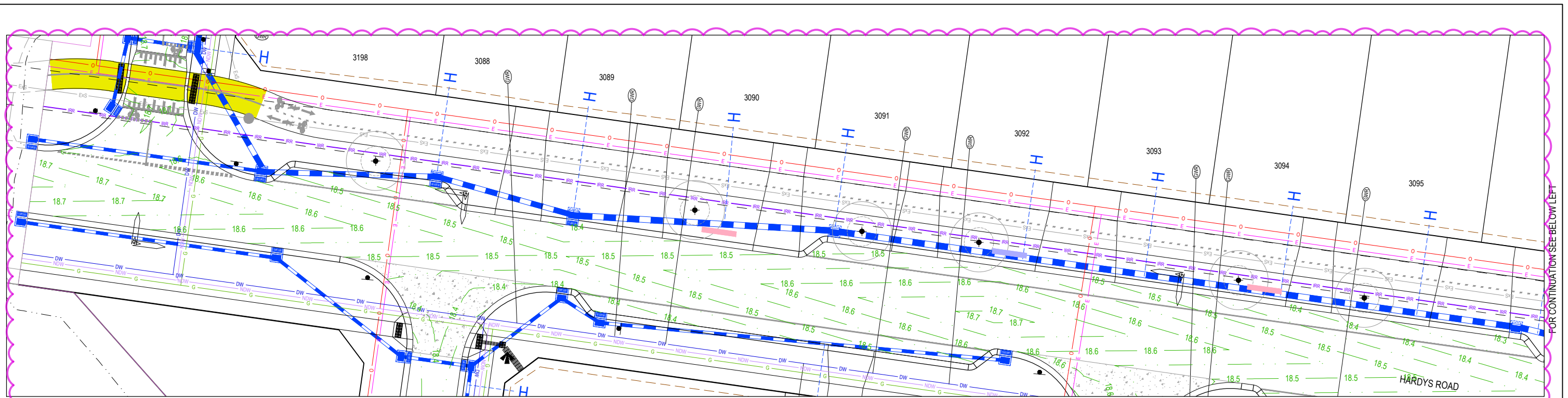
PIT SCHEDULE																
PIT NAME	PIT TYPE	LID		INTERNAL		INLET		OUTLET		F.SL	DEPTH (m)	PIT DETAIL	HAUNCH DETAIL	STEP IRONS	HEAVY DUTY	REMARKS
		WIDTH (mm)	LENGTH (mm)	WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVR(L)(mm)	DIA	INVR(L)(m)							
31-59	SIDE ENTRY PIT	600	900	900	900	450	15.23	450	15.18	17.228	2.048	EDCM601	EDCM607	-	-	HAUNCH SOUTH REFER TO DETAIL 1.
31-60	TANGENT POINT	-	-	-	-	450	15.288	450	15.288	17.288	2.000	#VA	-	-	-	-
31-61	SIDE ENTRY PIT	600	900	600	900	450	15.399	450	15.349	17.362	2.013	EDCM601	-	-	-	-
31-62	SIDE ENTRY PIT	600	900	600	900	375	15.718	450	15.668	17.631	1.963	EDCM601	-	-	-	-
31-63	SIDE ENTRY PIT	600	900	600	900	375	15.91	375	15.86	17.762	1.902	EDCM601	-	-	-	-
31-64	SIDE ENTRY PIT	600	900	600	900	300	16.206	375	16.156	18.008	1.852	EDCM601	-	-	-	-
31-65	JUNCTION PIT	600	900	600	900	300	16.571	300	16.521	18.326	1.805	EDCM605	-	-	-	-
31-66	JUNCTION PIT	600	900	600	900	300	16.644	300	16.594	18.362	1.768	EDCM605	-	-	-	-
31-67	SIDE ENTRY PIT	600	900	600	900	300	16.776	300	16.726	18.445	1.719	EDCM601	-	-	-	-
31-68	SIDE ENTRY PIT	600	900	600	900	300	16.862	300	16.812	18.448	1.636	EDCM601	-	-	-	-
31-69	SIDE ENTRY PIT	600	900	600	900	300	17.074	300	17.024	18.656	1.632	EDCM601	-	-	-	-
31-70	SIDE ENTRY PIT	600	900	600	900	300	17.336	300	17.286	18.784	1.448	EDCM601	-	-	-	-
31-71	SIDE ENTRY PIT	600	900	600	900	300	15.578	300	15.528	17.242	1.664	EDCM601	-	-	-	-
31-72	SIDE ENTRY PIT	600	900	600	900	300	15.669	300	15.619	17.142	1.473	VRSD1282	-	-	-	-
31-73	SIDE ENTRY PIT	600	900	600	900	300	15.9	300	15.85	17.772	1.922	EDCM601	-	-	-	-
31-74	SIDE ENTRY PIT	600	900	600	900	300	16.16	300	16.11	17.928	1.818	EDCM601	-	-	-	-
31-75	JUNCTION PIT	600	900	600	900	300	16.281	300	16.231	17.969	1.738	EDCM605	-	-	-	-
31-76	SIDE ENTRY PIT	600	900	600	900	300	16.416	300	16.366	18.071	1.655	EDCM601	-	-	-	-
31-77	SIDE ENTRY PIT	600	900	600	900	300	16.035	300	15.985	17.774	1.789	EDCM601	-	-	-	-
31-78	SIDE ENTRY PIT	600	900	600	900	300	16.303	300	16.253	17.945	1.692	EDCM601	-	-	-	-
31-79	SIDE ENTRY PIT	600	900	600	900	300	16.476	300	16.426	18.089	1.613	EDCM601	-	-	-	-
31-80	SIDE ENTRY PIT	600	900	600	900	300	16.411	300	16.361	18.201	1.84	VRSD1282	-	-	-	-
31-81	JUNCTION PIT	600	900	600	900	300	16.62	300	16.57	18.313	1.743	EDCM605	-	-	-	-
31-82	SIDE ENTRY PIT	600	900	600	900	300	16.801	300	16.751	18.405	1.654	EDCM601	-	-	-	-
31-83	SIDE ENTRY PIT	600	900	600	900	300	17.117	300	17.067	18.617	1.5	EDCM601	-	-	-	-
31-84	JUNCTION PIT	600	900	600	900	300	16.947	300	16.897	18.673	1.776	EDCM605	-	-	-	-
31-85	JUNCTION PIT	600	900	600	900	300	17.212	300	17.162	18.86	1.648	EDCM605	-	-	-	-
31-86	JUNCTION PIT	600	900	600	900	300	15.96	300	15.91	17.758	1.848	EDCM605	-	-	-	-
31-87	SIDE ENTRY PIT	600	900	600	900	300	15.993	300	15.943	17.562	1.569	VRSD1282	-	-	-	-
31-88	SIDE ENTRY PIT	600	900	600	900	300	16.283	300	16.233	17.789	1.506	VRSD1282	-	-	-	-
31-89	SIDE ENTRY PIT	600	900	600	900	300	16.884	300	16.834	18.517	1.683	EDCM601	-	-	-	-
31-90	SIDE ENTRY PIT	600	900	600	900	300	16.957	300	16.907	18.489	1.582	EDCM601	-	-	-	-
31-91	SIDE ENTRY PIT	600	900	600	900	300	17.164	300	17.114	18.72	1.556	EDCM601	-	-	-	-
EX:30-18	END PIPE	-	-	-	-	300	17.386	-	-	19.328	1.942	#VA	-	-	-	-
31-92	JUNCTION PIT	600	900	600	900	300	17.797	300	17.747	19.21	1.463	EDCM605	-	-	-	-
31-93	JUNCTION PIT	600	900	600	900	300	18.012	300	17.962	19.459	1.497	EDCM605	-	-	-	-
31-94	JUNCTION PIT	600	900	600	900	300	18.072	300	18.022	19.484	1.462	EDCM605	-	-	-	-
31-95	JUNCTION PIT	600	900	600	900	300	18.483	300	18.433	19.365	0.881	EDCM605	-	-	-	-
EX:30-33	END PIPE	-	-	-	-	300	17.312	-	-	19.2	1.888	EDCM605	-	-	-	-
31-96	SIDE ENTRY PIT	600	900	600	900	300	17.526	300	17.476	19.364	1.888	EDCM601	-	-	-	-
31-97	SIDE ENTRY PIT	600	900	600	900	300	17.81	300	17.76	19.336	1.576	EDCM601	-	-	-	-
31-98	GRADED PIT	-	-	600	900	300	17.914	300	17.864	19.302	1.439	EDCM601	-	-	-	-
31-99	GRADED PIT	-	-	600	900	300	18.015	300	17.965	19.425	1.41	EDCM601	-	-	-	-
EX:30-32	END PIPE	-	-	-	-	300	17.62	-	-	19.21	1.59	-	-	-	-	-
31-100	SIDE ENTRY PIT	600	900	600	900	300	17.868	300	17.818	19.37	1.552	EDCM601	-	-	-	-
31-101	SIDE ENTRY PIT	600	900	600	900	300	18.071	300	18.021	19.466	1.395	EDCM601	-	-	-	-
31-102	SIDE ENTRY PIT	600	900	600	900	300	17.13	300	17.08	18.741	1.611	EDCM601	-	-	-	-



**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  
**BEFORE YOU DIG**  
[www.byda.com.au](http://www.byda.com.au)

**FOR CONSTRUCTION**

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F PIT 102 ADDED E ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT		DATE: 26.06.25 DRN: MFJ APP: SY		DATE: 16.06.25 DRN: MFJ APP: SY		Scale NOT TO SCALE													
REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP	Project Ref	Stage No	Drawing No	Rev						
										1101438	31	409	F						



F

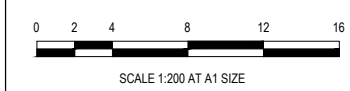
**City of Casey**  
 Approved By: **Timothy Sinnappu**  
 Planning Ref: **PA21-0407**  
 Council Ref: **R6308**  
 SD&E Ref: **SEng00078/24**  
 Date: **19/08/2025**  
 Approval subject to conditions on page 5 of 58

- LEGEND**
- ROAD RUN OFF PASSIVE IRRIGATION (3.5m L x 0.5m W x 0.55m D)
  - LOT RUNOFF PASSIVE IRRIGATION (3.5m L x 0.5m W x 0.55m D)
  - 90mm IRRIGATION PIPE
  - INDICATIVE TREE LOCATION

**NOTE:**  
 TREE AND IRRIGATION PIT LOCATIONS ARE INDICATIVE UNTIL TREE LOCATIONS ARE RECEIVED FROM LANDSCAPERS. DETAIL IS ALSO INDICATIVE UNTIL IWMP IS RECEIVED.

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	SERVICES ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					

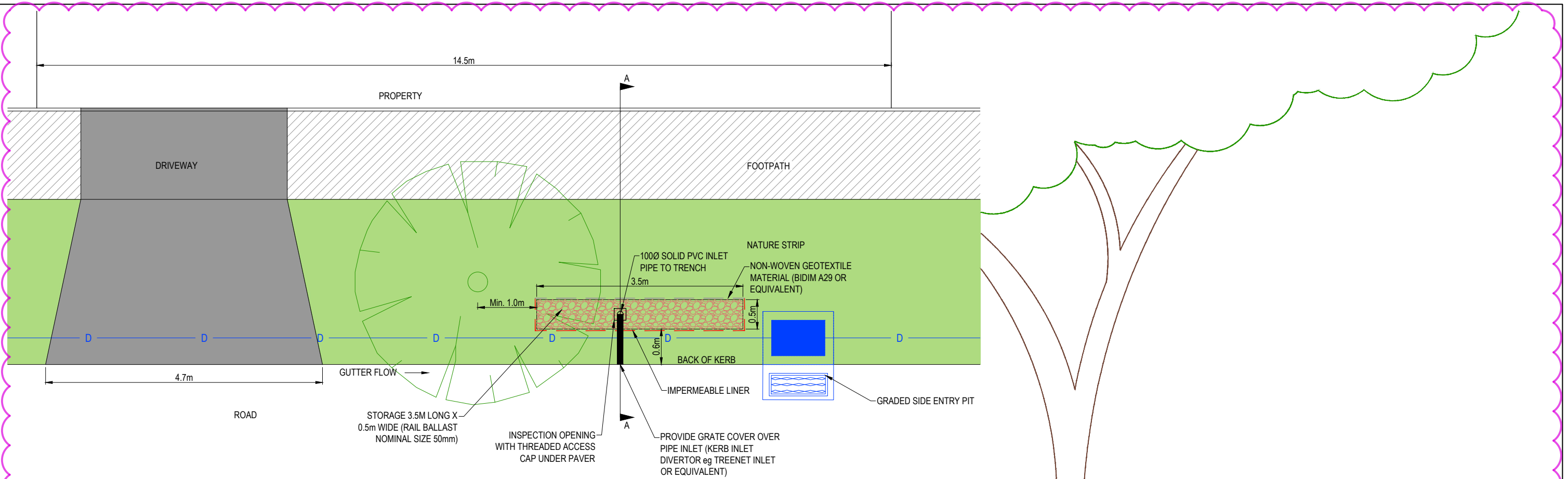


Designed: **L.MURRAY**  
 Date: 24.04.2024  
 Drawn: **G.N. / MF.J.**  
 Checked: **S.FALKENSTEIN**  
 Date: 09.05.2024  
 Approved: **S.FALKENSTEIN**  
 Reg. No.: PE01016296  
 Date: 09.05.2024  
 PS Number: PS921351J

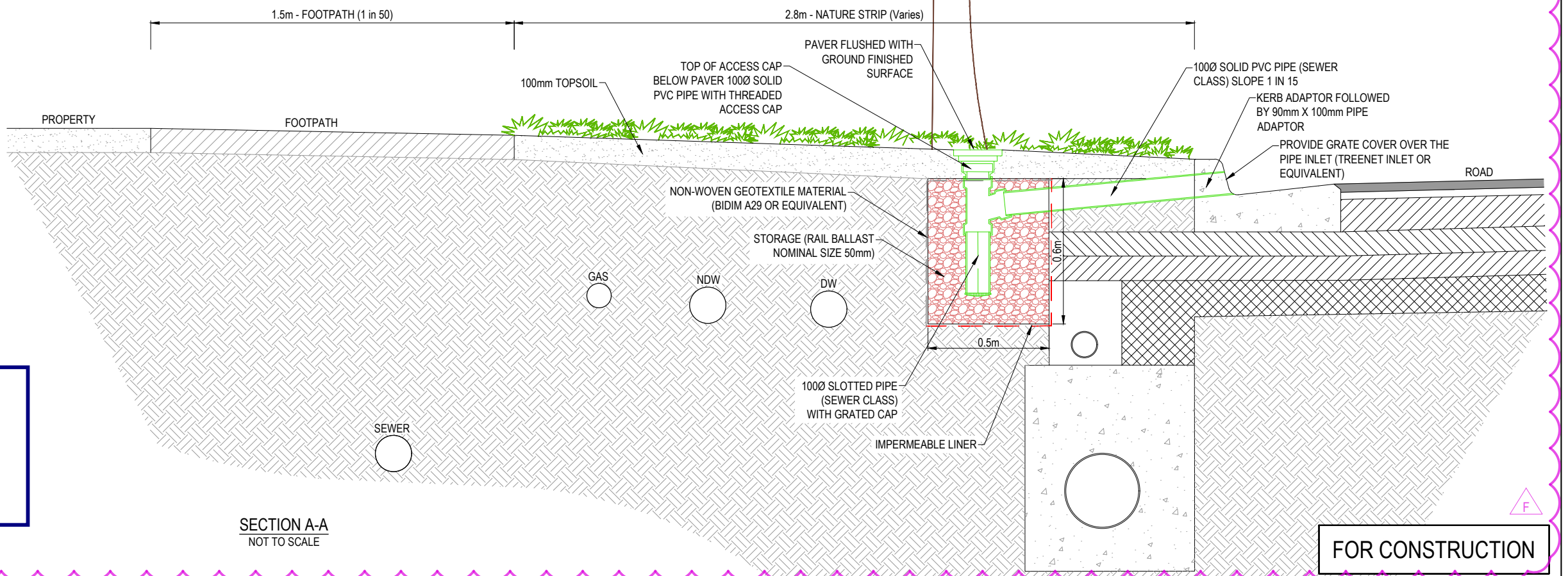
**BW Beveridge Williams**  
 Development & Infrastructure Consultants  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: **SMITHS LANE STAGE 31 CITY OF CASEY**  
 Drawing Title: **PASSIVE IRRIGATION**

Sheet **56 of 58**  
 Scale: **1:200 @ A1**  
 Project Ref: **1101438** Stage No: **31** Drawing No: **460** Rev: **F**



**ROAD RUNOFF PLAN**  
NOT TO SCALE

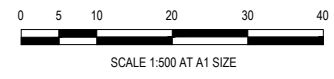


**SECTION A-A**  
NOT TO SCALE

**FOR CONSTRUCTION**

**City of Casey**  
Approved By: **Timothy Sinnappu**  
Planning Ref: **PA21-0407**  
Council Ref: **R6308**  
SD&E Ref: **SEng00078/24**  
Date: **19/08/2025**  
Approval subject to conditions on page 5 of 58

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
F	DETAIL ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
Date: 24.04.2024  
Drawn: G.N. / MF.J.  
Checked: S.FALKENSTEIN  
Date: 09.05.2024  
Approved: S.FALKENSTEIN  
Reg. No.: PS016296  
Date: 09.05.2024  
PS Number: PS921351J

**BW Beveridge Williams**  
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1 Glenferrie Road  
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Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
Drawing Title: PASSIVE IRRIGATION ROAD RUNOFF DETAIL

Sheet 57 of 58  
Scale: 1:500 @ A1  
Project Ref: 1101438  
Stage No: 31  
Drawing No: 461  
Rev: F

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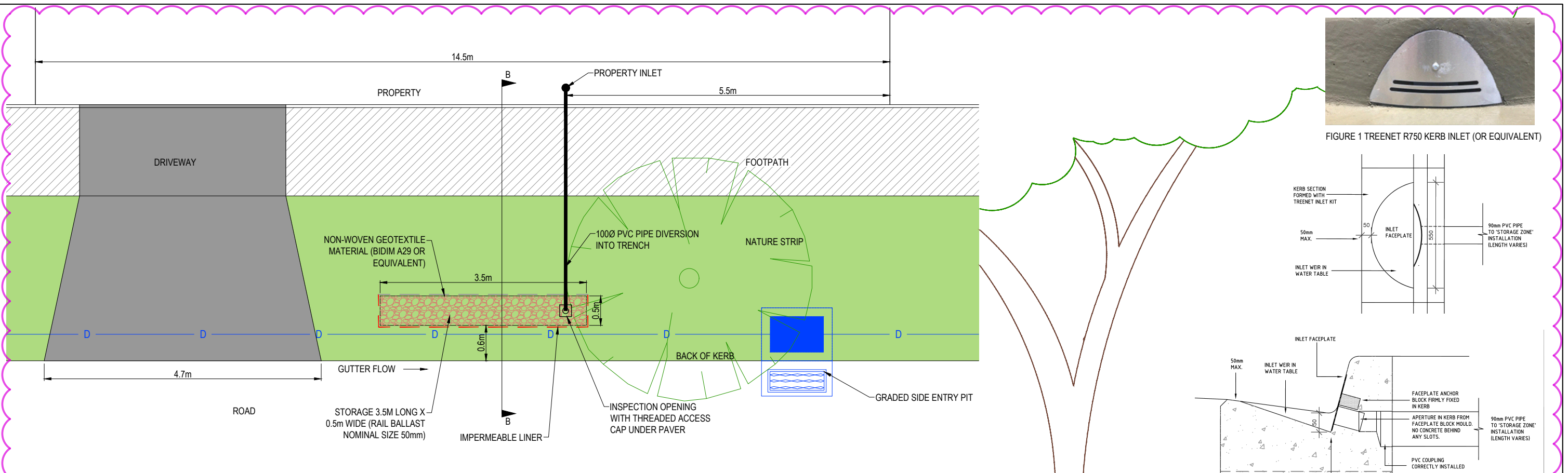
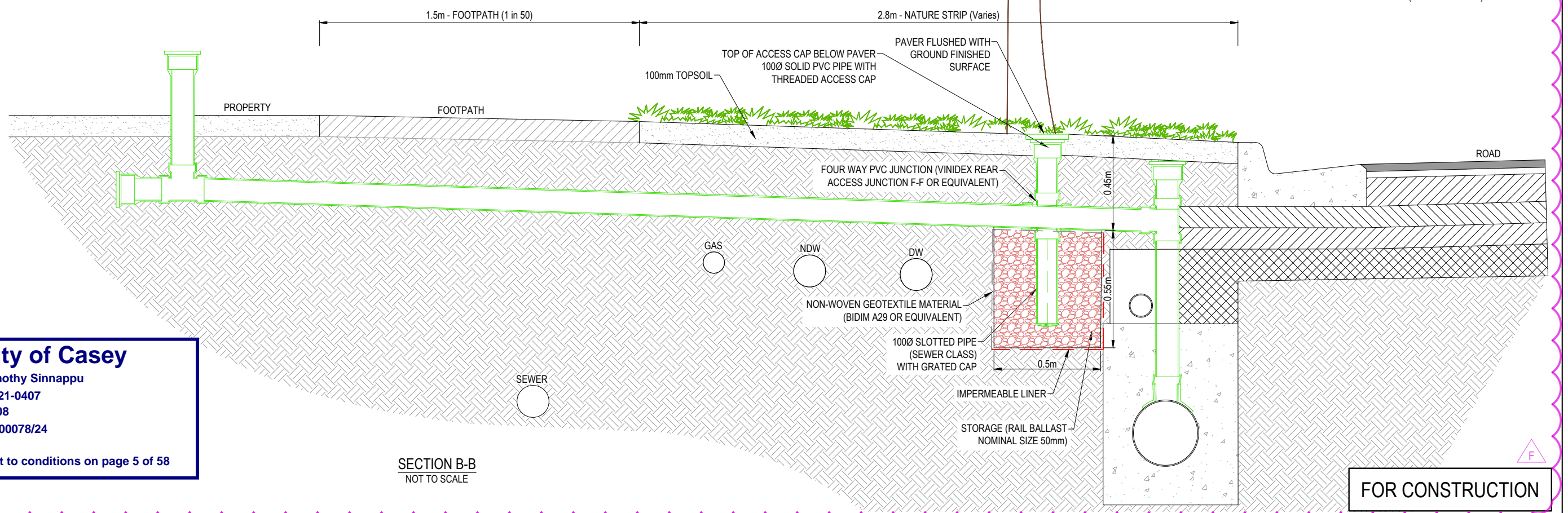
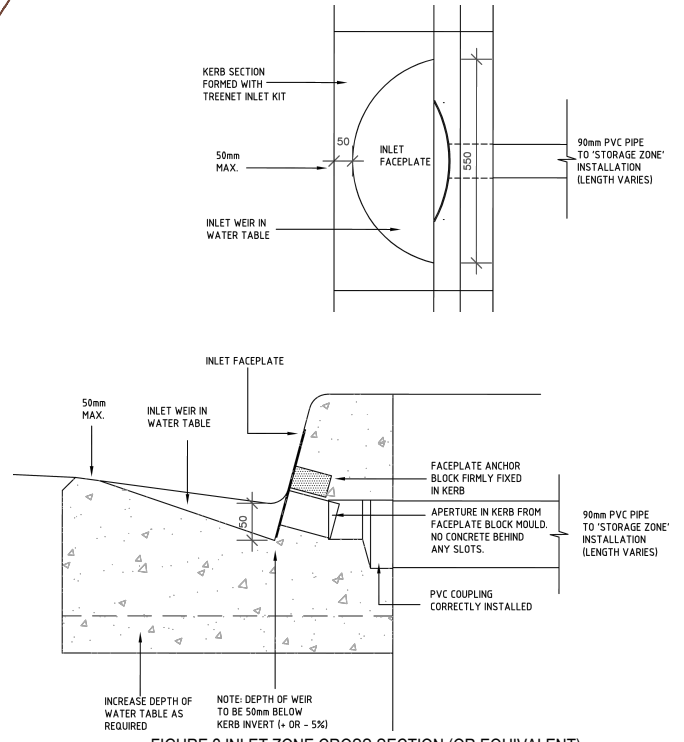


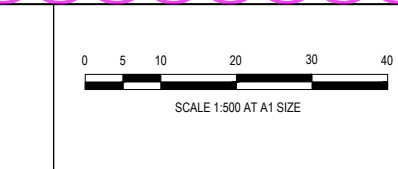
FIGURE 1 TREENET R750 KERB INLET (OR EQUIVALENT)



**City of Casey**  
Approved By: Timothy Sinnappu  
Planning Ref: PA21-0407  
Council Ref: R6308  
SD&E Ref: SEng00078/24  
Date: 19/08/2025  
Approval subject to conditions on page 5 of 58

**FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.
F	DETAIL ADDED	26.06.25	TS	SF					
E	ISSUED FOR CONSTRUCTION WITH NEW LOT LAYOUT	16.06.25	MFJ	SY					



Designed: L.MURRAY  
Date: 24.04.2024  
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Checked: S.FALKENSTEIN  
Date: 09.05.2024  
Approved: S.FALKENSTEIN  
Reg. No.: P6016296  
Date: 09.05.2024  
PS Number: PS921351J

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

Project Details: SMITHS LANE STAGE 31 CITY OF CASEY  
Drawing Title: PASSIVE IRRIGATION LOT RUNOFF DETAIL

Sheet 58 of 58  
Scale: 1:500 @ A1  
Project Ref: 1101438  
Stage No: 31  
Drawing No: 462  
Rev: F

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