

RIVERFIELD SQUARE - STAGE 32

BROWN PROPERTY GROUP

CITY OF CASEY

CONSTRUCTION NOTES

SITE MANAGEMENT

A1. Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & Safety Act 2004, including all relevant regulations, have been addressed. In particular, the required notifications must be conveyed to the Worksafe Victoria - Health & Safety division with respect to trenching operations. Details of the contractors occupational health & safety procedures must be lodged with the superintendent prior to commencement of works.

A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer. A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from the 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 7251/08/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage is installed.

A6. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.

GENERAL

B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the 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 (2017) & undertake safety precautions in trenching operations in accordance with Worksafe Compliance Code - Excavations Edition 2, December 2019.

B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.

B5. On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.

B6. Reserves to be free draining & to be left in a condition satisfactory to the 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-instatement at the contractors expense.

B9. Provide painted palisade fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Palings to be on the reserve side.

ROADWORKS

C1. 100mm agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & where directed by the engineer.

C2. Filling in all properties & road reserves is to be carried out using approved clay fill. Top soil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in accordance with AS3798-2007 and the geotechnical report. Level 1 inspection and testing to be carried out in accordance with AS3798-2007 Section 8.2. A fill report must be submitted to the Consultant, showing from a NATA registered soil testing laboratory.

C3. Importing fill - All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any contaminants are within accepted levels. Under no circumstances should fill material enter or leave the site without the permission of the supervising engineer & Council works supervisor, prior to it being appropriately tested. All vehicles transporting fill material to & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater systems & natural waterways.

C4. Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise.

C5. Cut batters are to be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsion.

C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.

C7. Access ramps are to be constructed where cutters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then 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 concreter 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. Opticom 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 AS1428.4.1: 2009 & MPA standard drawing EDCM 403.

DRAINAGE

D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages.

D2. Lightweight fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 - 2019 unless otherwise shown. All drainage works are to be constructed to council specifications.

D3. All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with external sealing bands. For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmented curves using splayed pipes with bandage joints, having deflections within the manufacturer's specification.

D4. All pipes to be Class '2' R.C. unless noted otherwise. PVC pipes to be Class SH unless specified.

D5. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers.

D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 - EDCM 704.

D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.

PAVEMENT

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

COUNCIL

F1. As constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.

F2. A CCTV report must be provided for all drainage lines prior to issue of practical completion.

F3. Street lighting must be provided on all public carriageways and footpaths including all intersections, speed humps and LTM devices in accordance with the approved public lighting plan.

F4. 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 the approved TMP.

City of Casey

Approved By: **Ishad Ghazi**

Planning Ref: **PA22-0318**

File No: **SENG00025/25**

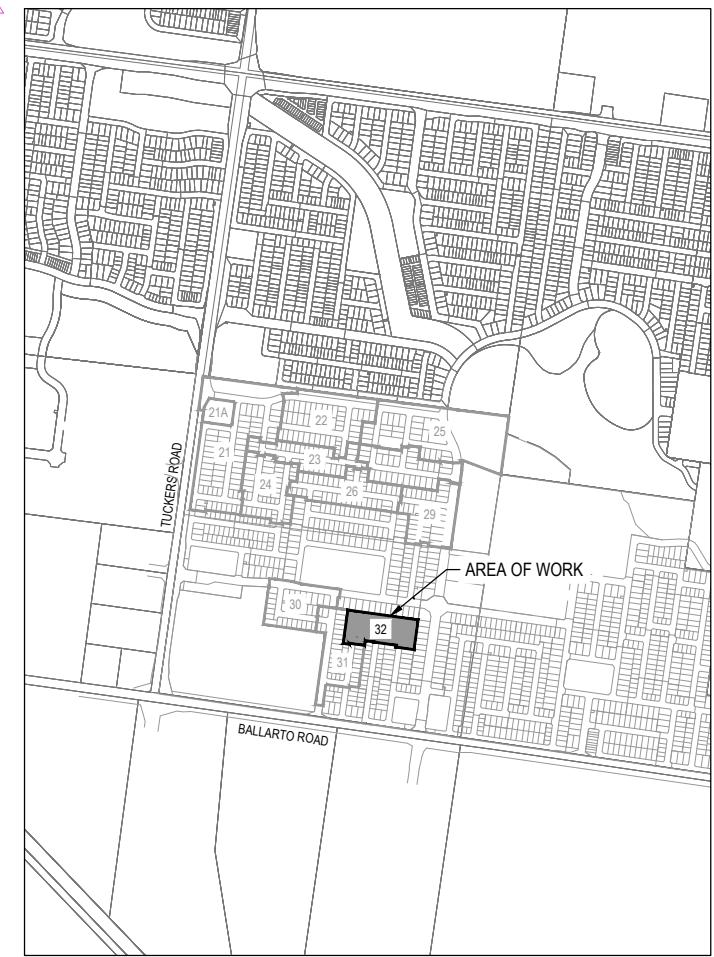
Date : **25/09/2025**

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.
- PDF copy of the "As-constructed" engineering 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 before statement of compliance will be issued. Grid Coordinates must be MGA Zone 55 (GDA 2020).

DRAWING INDEX

DRAWING NO.	TITLE	REVISION
2101578-32-001	COVER SHEET	D
2101578-32-002	TYPICAL ROAD CROSS SECTIONS	B
2101578-32-003	PAVEMENT MAKEUP & GENERAL DETAILS	B
2101578-32-010	LAYOUT PLAN (SHEET 1 OF 2)	D
2101578-32-011	LAYOUT PLAN (SHEET 2 OF 2)	C
2101578-32-100	ROAD LONGITUDINAL SECTIONS GREVILLEA CIRCUIT	B
2101578-32-101	ROAD LONGITUDINAL SECTION (SHEET 1 OF 2)	B
2101578-32-200	ROAD CROSS SECTIONS GREVILLEA CIRCUIT (SHEET 1 OF 3)	B
2101578-32-201	ROAD CROSS SECTIONS GREVILLEA CIRCUIT (SHEET 2 OF 3)	B
2101578-32-202	ROAD CROSS SECTIONS GREVILLEA CIRCUIT (SHEET 3 OF 3)	B
2101578-32-203	ROAD CROSS SECTIONS POPPY SAGE WAY	A
2101578-32-300	INTERSECTION DETAILS (SHEET 1 OF 2)	B
2101578-32-301	INTERSECTION DETAILS (SHEET 2 OF 2)	B
2101578-32-350	SIGNAGE & LINE MARKING PLANS	B
2101578-32-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)	B
2101578-32-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 4)	C
2101578-32-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 4)	A
2101578-32-403	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 4) AND PIT SCHEDULE	C
177-01-S01	MA CIVIL DESIGN RETAINING WALL DETAILS (SHEET 1)	P2
177-01-S02	MA CIVIL DESIGN RETAINING WALL DETAILS (SHEET 2)	P2
177-01-S03	MA CIVIL DESIGN RETAINING WALL DETAILS (SHEET 3)	P2
177-01-S04	MA CIVIL DESIGN RETAINING WALL DETAILS (SHEET 4)	P1



SITE PLAN

SCALE 1:10,000 @ A1

MELWAY REF: 135 E11

0 100 200 400 600 800
SCALE 1:10,000 AT A1 SIZE

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D	ROAD NAME AMENDED	08.08.25 M.F.J. S.F.	
C	DRAWING INDEX UPDATED	29.07.25 AP SF	
B	DRAWING INDEX UPDATED	16.07.25 K.L.W. SF	
A	ISSUED FOR CONSTRUCTION	07.07.25 M.F.J. S.F.	
REV	DESCRIPTION	DATE DRN. APP. REV	DESCRIPTION
			DATE DRN. APP.

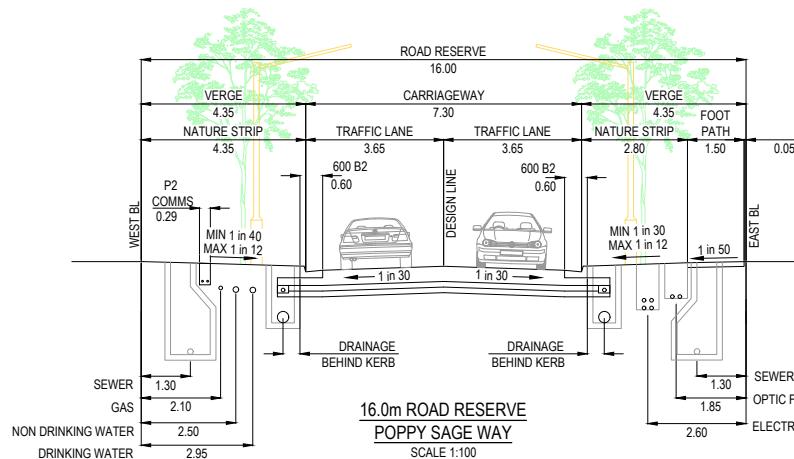
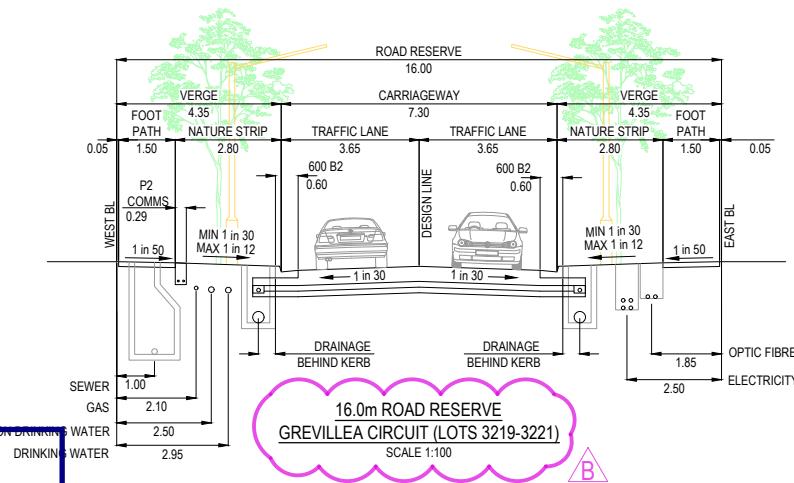
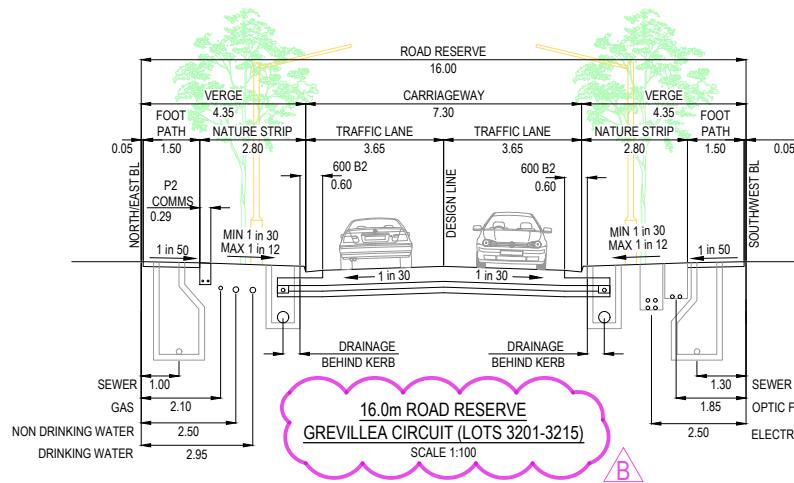
BROWN
COMMUNITIES

Riverfield
square
CLYDE

Designed: K.L.WAN
Date: 17.02.2025
Drawn: L.SUTHERLAND
Checked: S.YOUNG
Date: 17.02.2025
Approved: S.YOUNG
Reg. No.: PE005695
Date: 17.02.2025
PS Number: PS927179L

BW Beveridge Williams
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RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
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Sheet 01 of 18
Scale 1:10000 @ A1
Drawing Title COVER SHEET
Project Ref 2101578 Stage No 32 Drawing No 001 Rev D
K:Jobs Data2101578 - Di Renzo - 1675 Ballarto Road, Clyde_EngiStage 32\Drawings\2101578-32-001-COV.dwg



City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

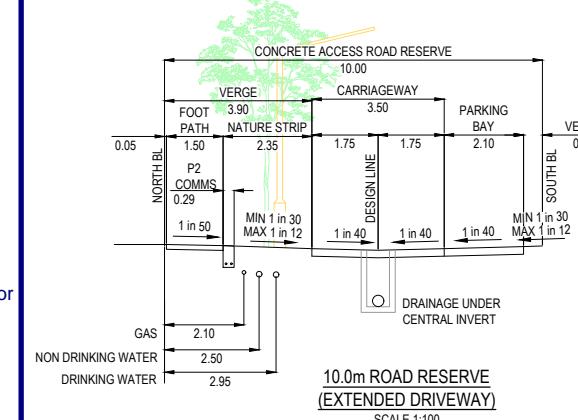
File No: SEng00025/25

Council Ref: R6327

Date : 25/09/2025

Approval subject to below conditions:

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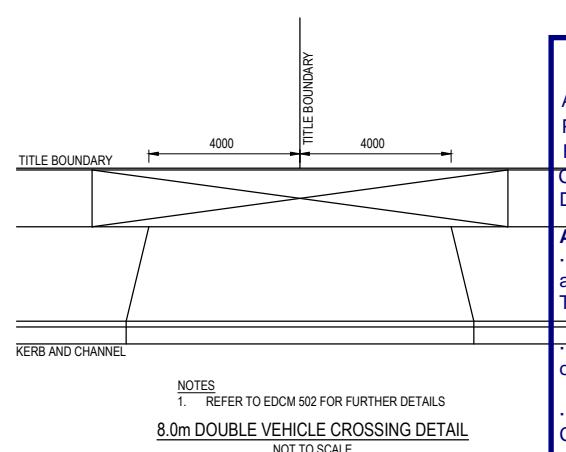
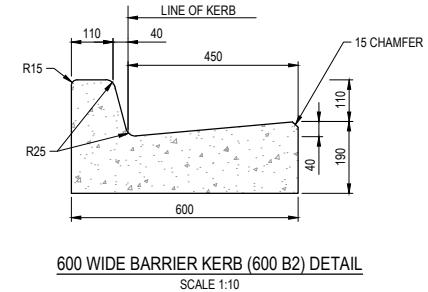
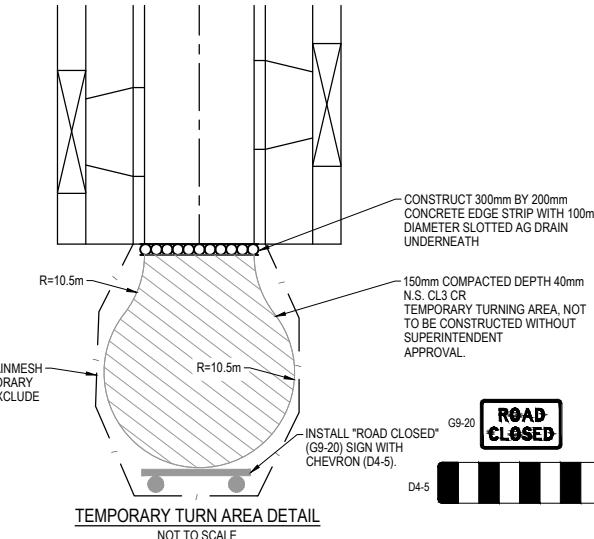
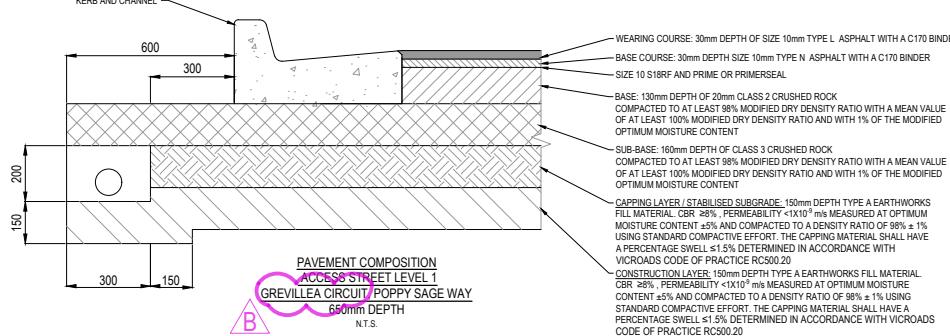
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B	ROAD NAME AMENDED	08.08.25	M.F.J. S.F.
A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J. S.F.
REV	DESCRIPTION	DATE DRN. APP. REV	DESCRIPTION DATE DRN. APP.



Designed KLIM WAN
Date 17.02.2025
Drawn LSUTHERLAND
Checked S.YOUNG
Date 17.02.2025
Approved S.YOUNG
Reg. No. PE000569
Date 17.02.2025
PS Number PS927179L

Riverfield
square
CLYDE
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Development & Infrastructure Consultants

RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
Drawing Title TYPICAL ROAD CROSS SECTIONS
Project Details 1:100 @ A1
Sheet 02 of 18
Scale 1:100 @ A1
Project Ref 2101578
Stage No 32
Drawing No 002
Rev B



City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

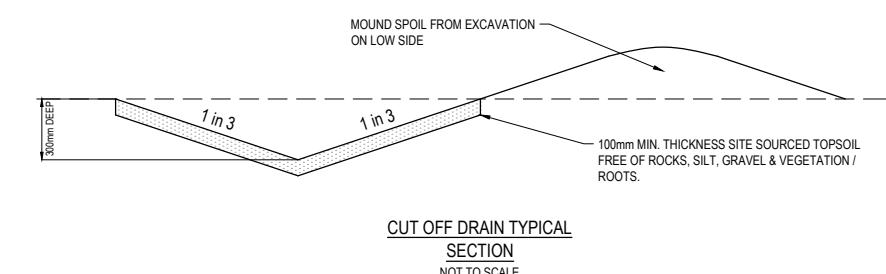
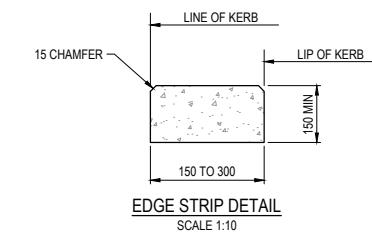
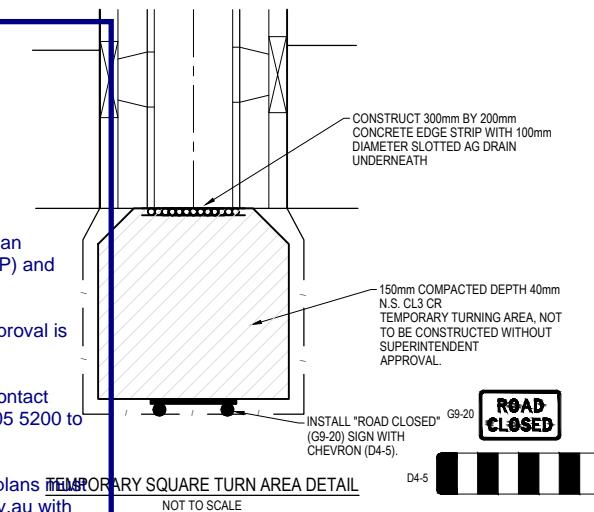
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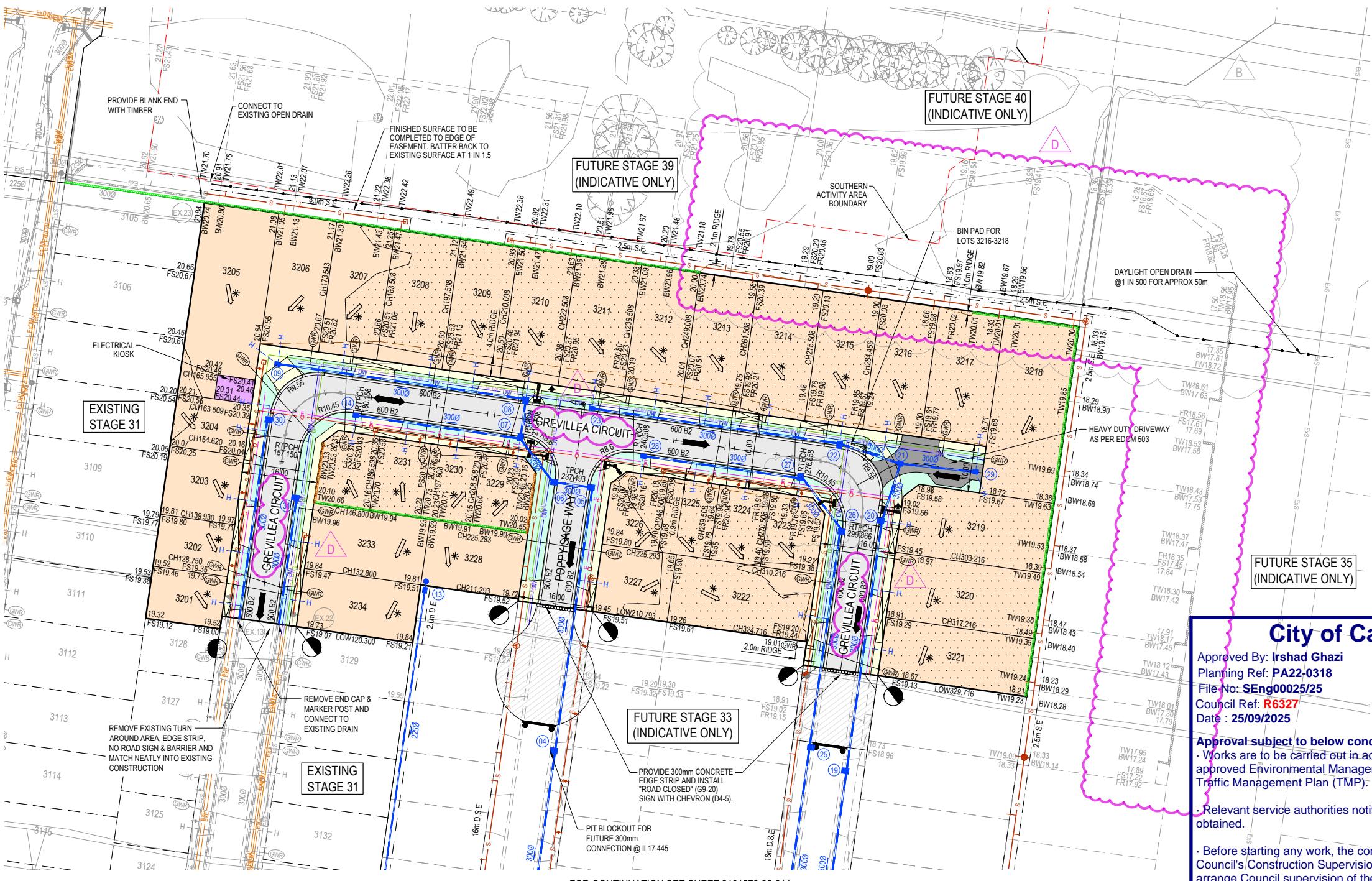
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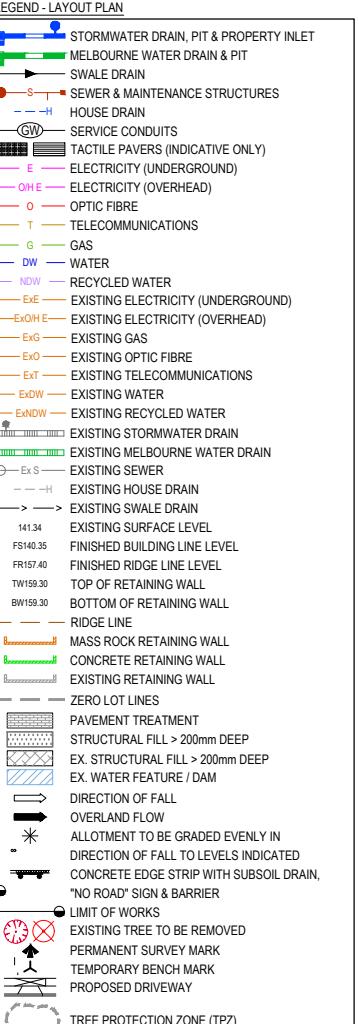


NOTE: DOUBLE DRIVEWAYS ARE TO BE 8m WIDE, REFER TO DWG 003

SERVICE OFFSET TABLE

Location	Gas		ND - Water		Water		Electricity		Telecommunication		Sewer	
	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)	Side	Offset (m)
GREVILLEA CIRCUIT (3201-3204)	EAST	2.10	EAST	2.50	EAST	2.95	WEST	2.50	WEST	1.85	W & E	1.3 & 1.0
GREVILLEA CIRCUIT (3206-3215)	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	2.50	SOUTH	1.85	S	1.3
GREVILLEA CIRCUIT (3219-3221)	WEST	2.10	WEST	2.50	WEST	2.95	EAST	2.60	EAST	1.85	W	1.0
POPPY SAGE WAY	WEST	2.10	WEST	2.50	WEST	2.95	EAST	2.50	EAST	1.85	W & E	1.0 & 1.3

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



City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

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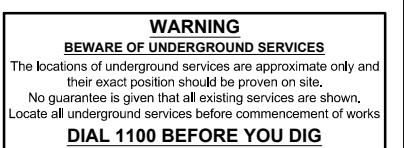
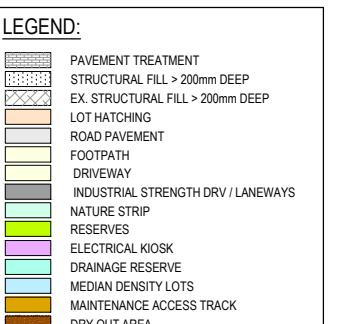
Council Ref: R6327

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SCALE 1:500 AT A1 SIZE

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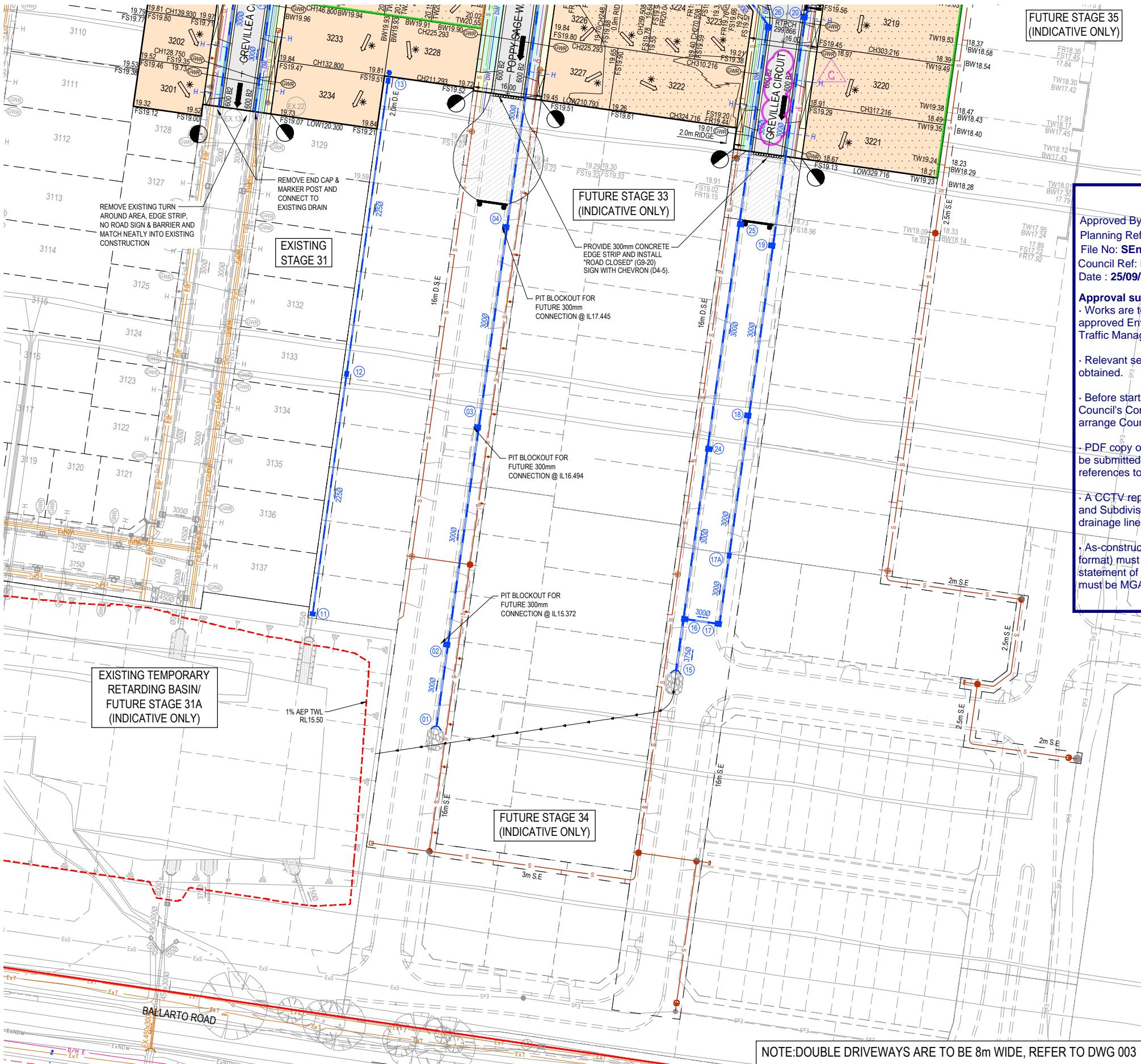
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C	LOT 3223 AND PITS 2627 UPDATED	29.07.25	AP	S.F.
B	LOT BOUNDARIES UPDATED FOR STAGES 35 & 40	16.07.25	K.L.W.	S.F.
A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J.	S.F.
REV	DESCRIPTION	DATE	DRN.	APP.



Designed: K.LIM WAN
Date: 17.02.2025
Drawn: L.SUTHERLAND
Checked: S.YOUNG
Date: 17.02.2025
Approved: S.YOUNG
Reg. No: PE00509
Date: 17.02.2025
PS Number: PS927179L

Riverfield
Beveridge Williams
Development & Infrastructure Consultants
RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)
ph: 03 9524 8888
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Sheet 04 of 18
Scale 1:500 @ A1
Project Ref: 2101578
Stage No: 32
Drawing No: 010
Rev: D



City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

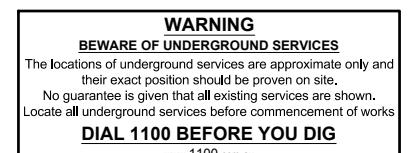
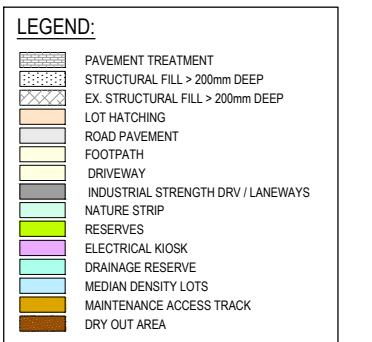
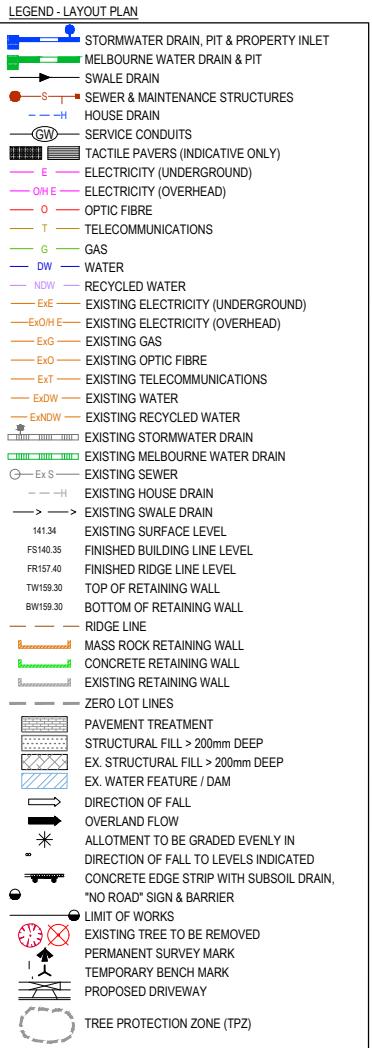
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Council Ref: R6327

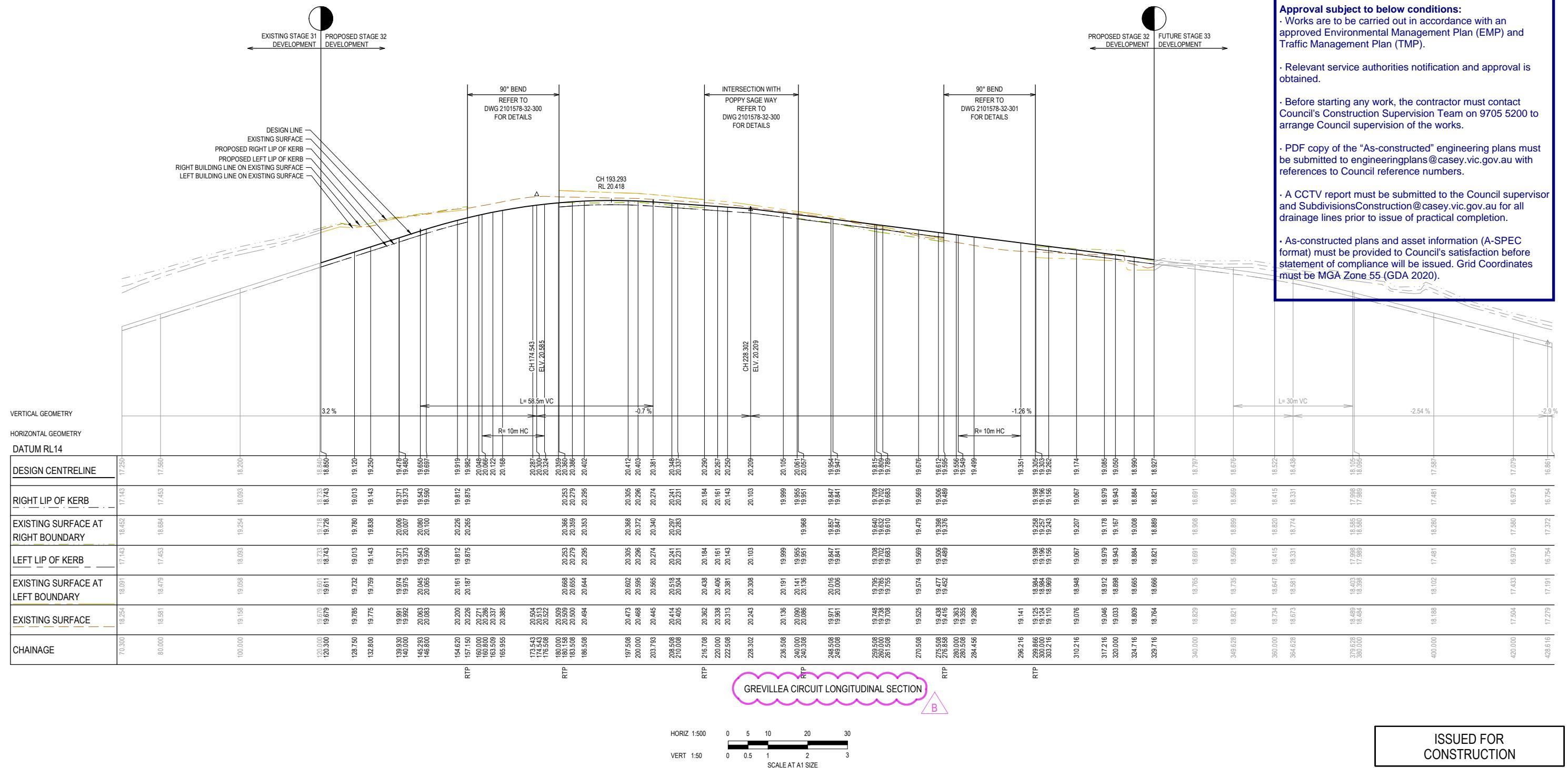
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ISSUED FOR
CONSTRUCTION



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

City of Casey

proved By: **Irshad Ghazi**
nning Ref: **PA22-0318**
e No: **SEng00025/25**
council Ref: **R6327**
e : **25/09/2025**

Approval subject to below conditions:
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Relevant service authorities notification and approval is required.

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B	ROAD NAME AMENDED	08.08.25	M.F.J.	S
A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J.	S

BROWN COMMUNITIES

The logo for Riverfield Square Clydeside. It features the words "Riverfield" and "square" in a stylized, italicized font, with "square" in a larger, bolder weight. Below "square" is the word "CLYDE" in a smaller, all-caps, sans-serif font. The entire logo is enclosed within a thin black rectangular border.

125

signed KLIM WAN
e 17.02.2025
wn L.SUTHERLAND
cked S.YOUNG
e 17.02.2025
roved S.YOUNG
PE0005609
No. 17.02.2025
e

BW Beveridge William

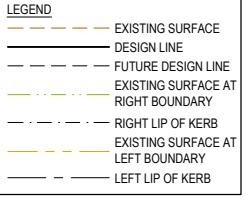
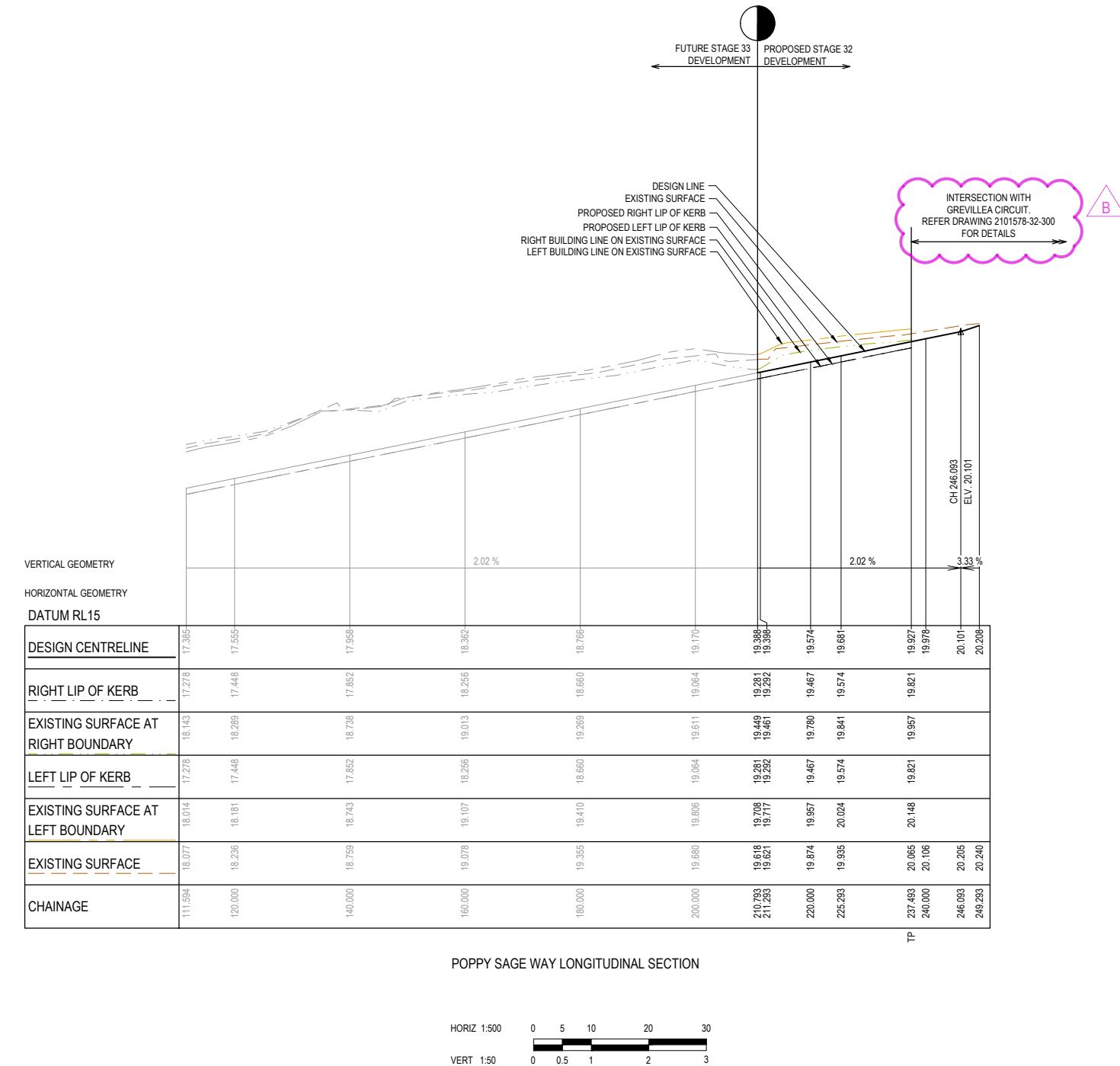
Development & Infrastructure Consultant

1 Glenferrie Road ph: 03 9524 8888

Project Details RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY

Drawing Title ROAD LONGITUDINAL SECTIONS
GREVILLEA CIRCUIT

	Sheet 06 of 18	
Scale	1:500 H 1:50 V @ A1	
Project Ref	Stage No	Drawing No
2101579	22	100



City of Casey

Approved By: **Irshad Ghazi**

Planning Ref: PA22-0318

File No: **SEng00025/25**

Council Ref: **R6327**

Date : 25/09/2025

Approval subject to below conditions:

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A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J.	S
REV	DESCRIPTION	DATE	PN	A

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COMMUNITIES



Design
Date
Drawn
Checked
Date
Approved
Reg. N
Date
PS Numb

KLIM WAN
17.02.2025
SUTHERLAND
S. YOUNG
17.02.2025
S. YOUNG
processions

BW Beveridge Williams

Development & Infrastructure Consultants

17.02.2023
S.YOUNG
PFS00010000

PE0005609
17.02.2025
PS927179L 1 Glenferrie Road
Malvern VIC 3144 ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY

Drawing Title ROAD LONGITUDINAL SECTIONS
POPPI SAGE WAY

FOR A FAIR WAR

Sheet 03 of 18

Sheet 07 of 18

1:500 H 1:50 V @ A1

Project No. Stage No. Drawing No.

City of Casey

Approved By: Irshad Ghazi
 Planning Ref: PA22-0318
 File No: SEng00025/25
 Council Ref: R6327
 Date : 25/09/2025

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

LEGEND

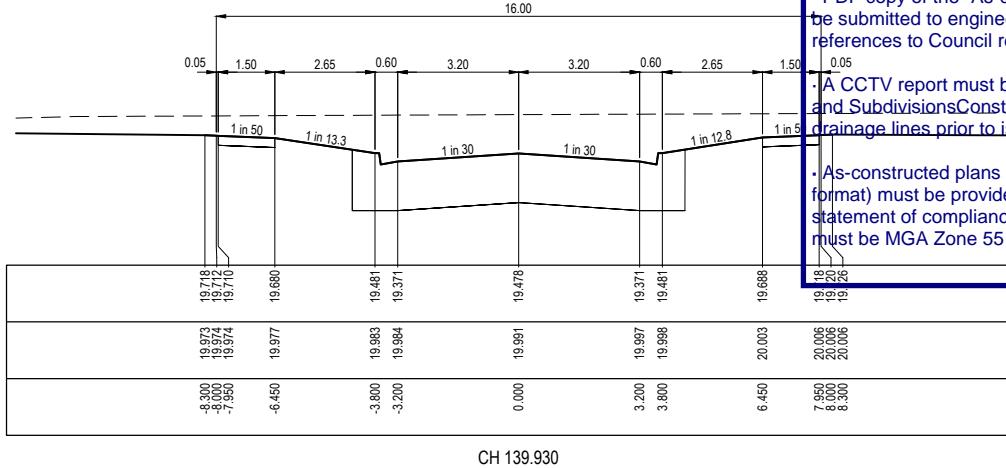
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 DESIGN SURFACE
 STRUCTURAL FILL

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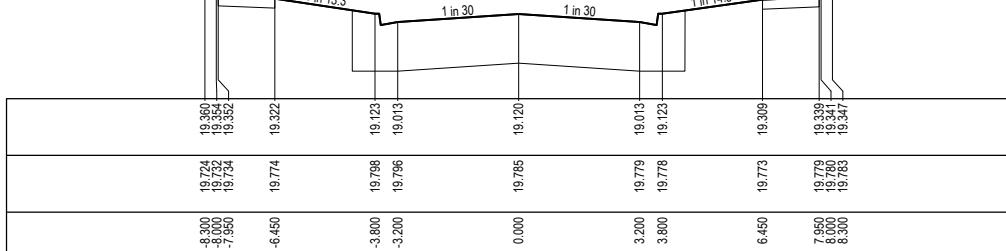
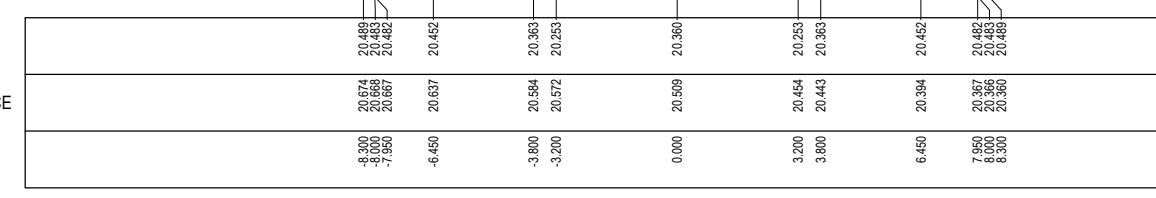
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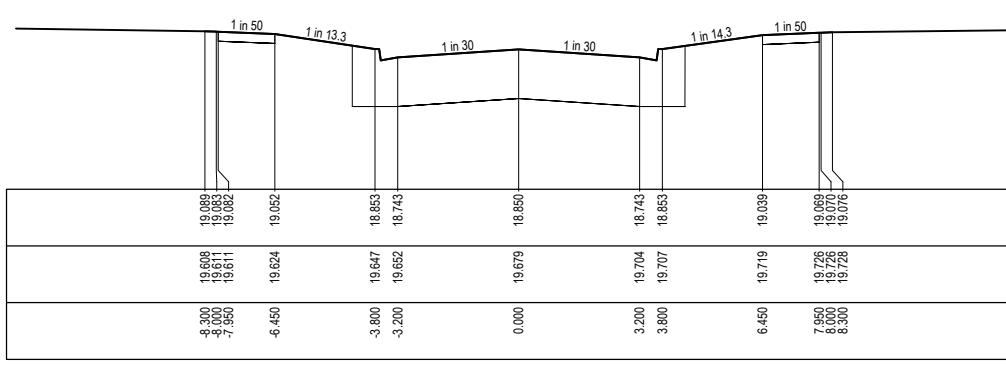
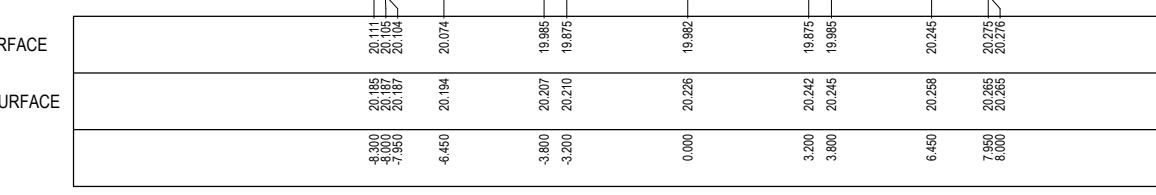
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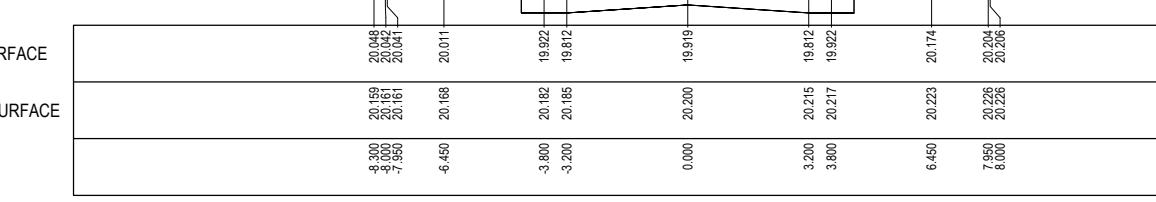
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DATUM19.0
 DESIGN SURFACE
 EXISTING SURFACE
 OFFSET



DATUM19.0
 DESIGN SURFACE
 EXISTING SURFACE
 OFFSET



HORIZ. 1:100
 0 1 2 4 6
 VERT. 1:50
 0 0.5 1 2 3
 SCALE AT A1 SIZE

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B ROAD NAME AMENDED
 08.08.25 M.F.J. S.F.
 A ISSUED FOR CONSTRUCTION
 07.07.25 M.F.J. S.F.
 REV DESCRIPTION DATE DRN. APP. REV



Designed by KLIM WAN
 Date 17.02.2025
 Drawn by L.SUTHERLAND
 Checked by S.YOUNG
 Date 17.02.2025
 Approved by S.YOUNG
 Reg. No. PE000569
 Date 17.02.2025
 PS Number PS927179L

BW Beveridge Williams
 Development & Infrastructure Consultants

Project Details: RIVERFIELD SQUARE
 STAGE 32
 CITY OF CASEY
 Drawing Title: ROAD CROSS SECTIONS
 GREVILLEA CIRCUIT
 (SHEET 1 OF 3)

Sheet 08 of 18
 Scale 1:100 H 1:50 V @ A1
 Project Ref 2101578 Stage No 32 Drawing No 200 Rev B

City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

File No: SEng0025/25

Council Ref: R6327

Date : 25/09/2025

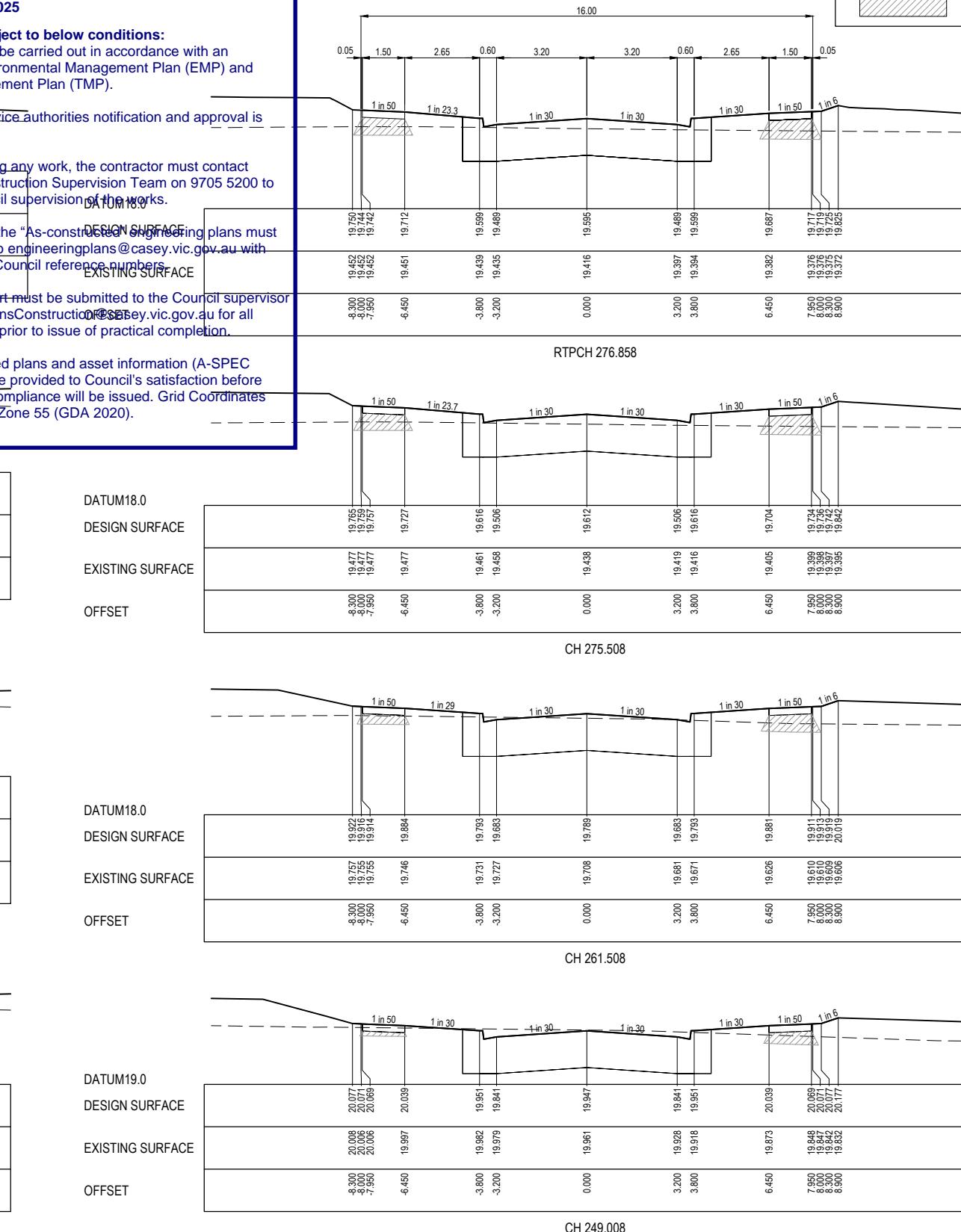
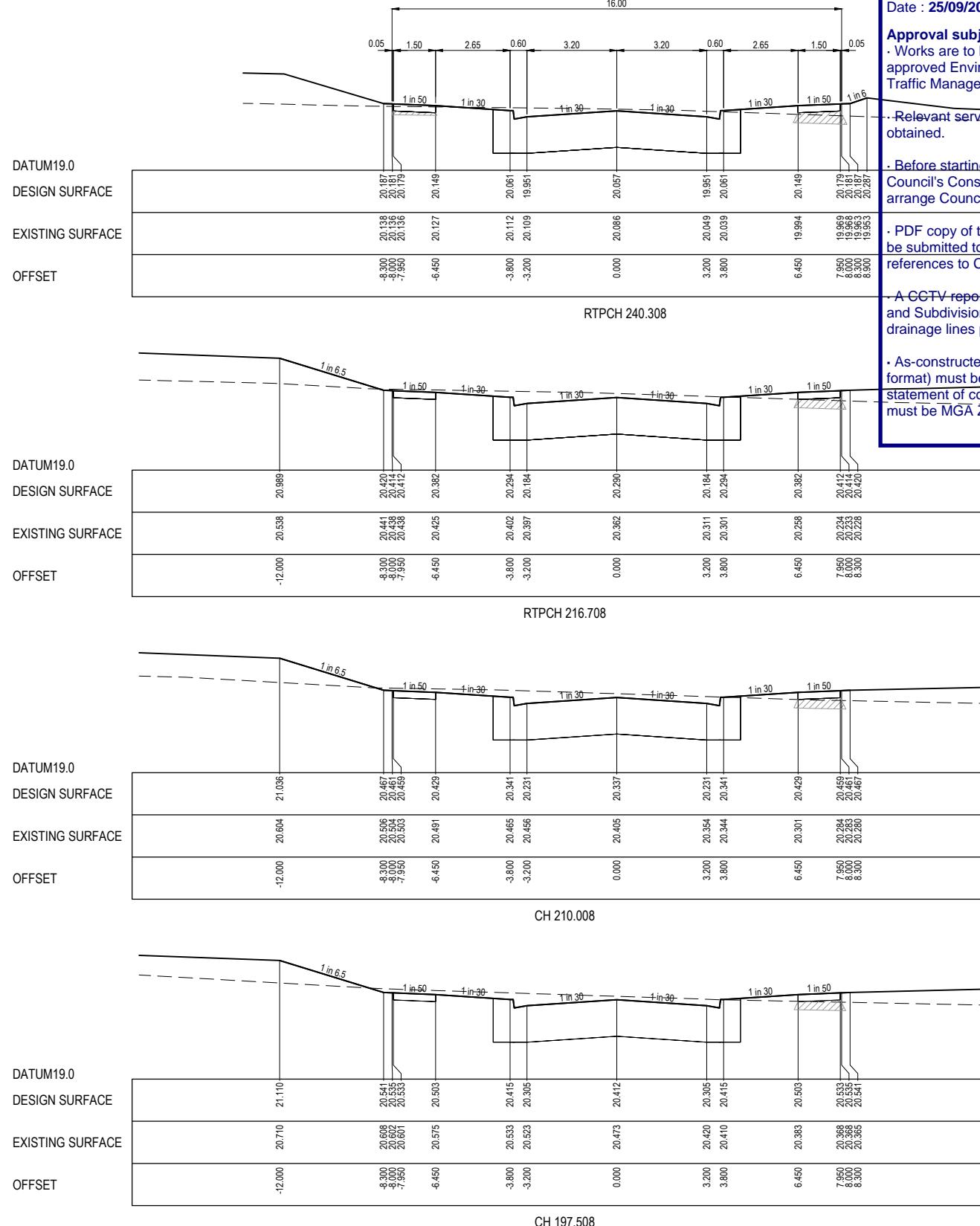
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

EXISTING SURFACE

DESIGN SURFACE

STRUCTURAL FILL



HORIZ 1:100
VERT 1:50
SCALE AT A1 SIZE

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DATE DRN APP REV

REV
DESCRIPTION
DATE DRN APP REV



Designed by KLIM WAN
Date 17.02.2025
Drawn by L.SUTHERLAND
Checked by S.YOUNG
Date 17.02.2025
Approved by S.YOUNG
Reg. No. PE000569
Date 17.02.2025
PS Number PS927179L

BW Beveridge Williams
Development & Infrastructure Consultants

Project Details: RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
Drawing Title: ROAD CROSS SECTIONS
GREVILLEA CIRCUIT
(SHEET 2 OF 3)

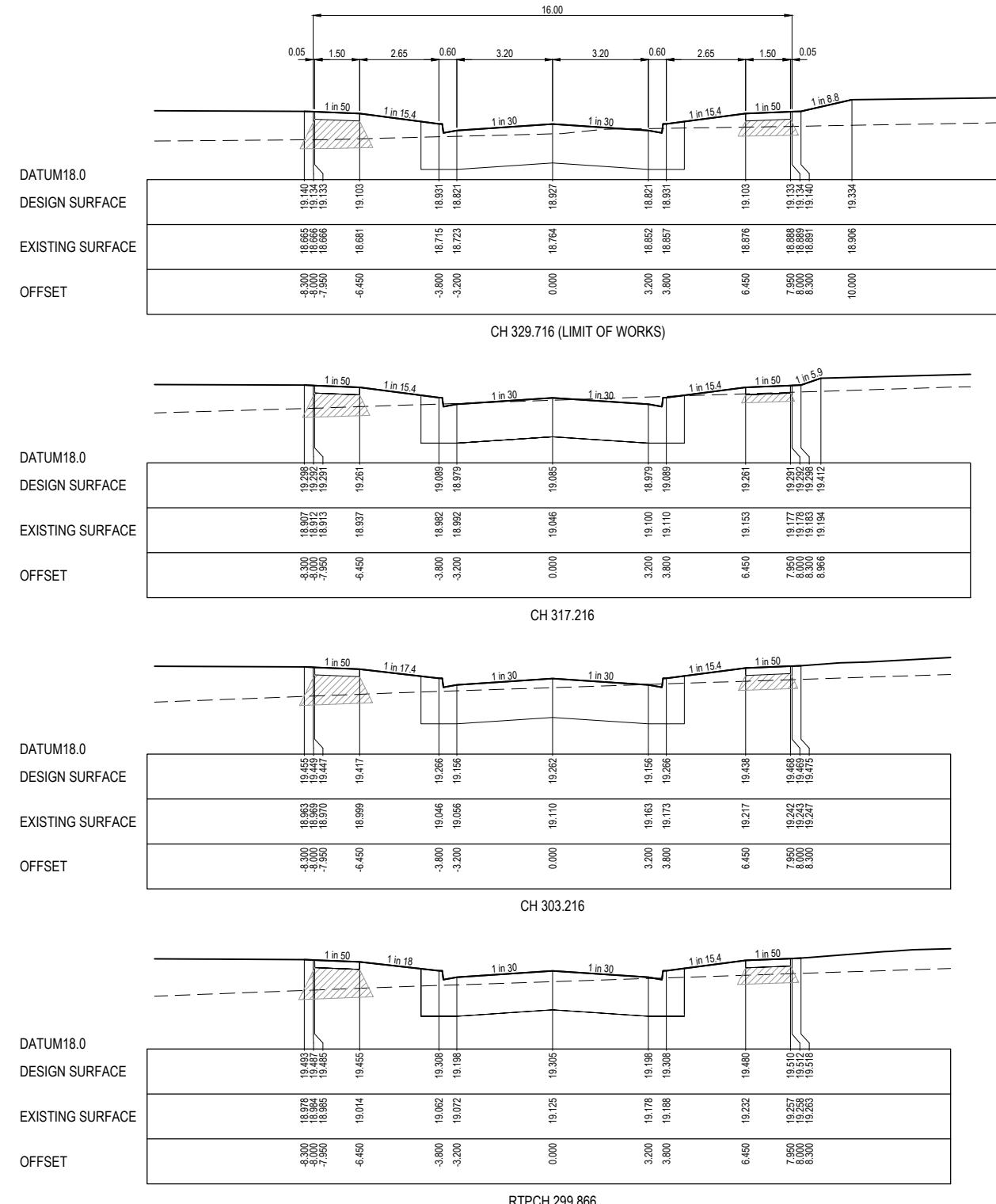
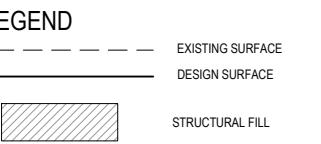


Sheet 09 of 18
Scale 1:100 H 1:50 V @ A1

Project Ref 2101578
Stage No 32
Drawing No 201
Rev B

K:\Jobs\2101578 - Di Renzo - 1675 Ballarto Road, Clyde\Eng\Stage 32\Drawings\2101578-32-200-RXS.dwg

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



HORIZ. 1:100 0 1 2 4 6
VERT. 1:50 0 0.5 1 2 3
SCALE AT A1 SIZE

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REV	DESCRIPTION	DATE	DRN.	APP.



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Date 17.02.2025
Drawn by LSUTHERLAND
Checked by S.YOUNG
Date 17.02.2025
Approved by S.YOUNG
Reg. No. PE000569
Date 17.02.2025
PS Number PS927179L

BW Beveridge Williams
Development & Infrastructure Consultants

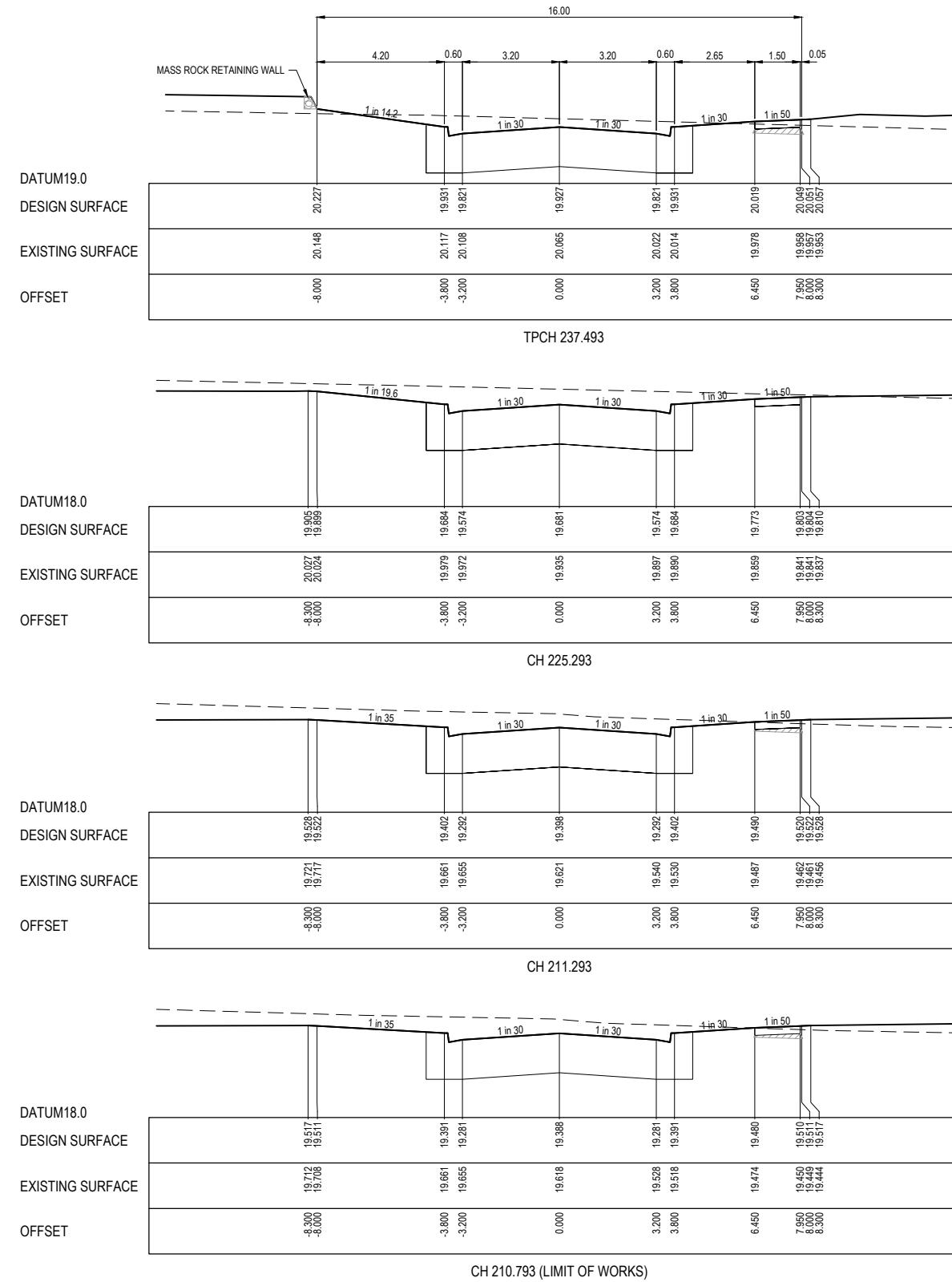
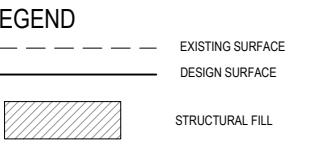
RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
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Sheet	10 of 18	Scale	1:100 H 1:50 V @ A1

Project Ref 2101578 Stage No 32 Drawing No 202 Rev B

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



City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

File No: SEng00025/25

Council Ref: R6327

Date : 25/09/2025

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HORIZ. 1:100 0 1 2 4 6
VERT. 1:50 0 0.5 1 2 3
SCALE AT A1 SIZE

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



Designed by KLIM WAN
Date 17.02.2025
Drawn by LSUTHERLAND
Checked by S.YOUNG
Date 17.02.2025
Approved by S.YOUNG
Reg. No. PE000569
Date 17.02.2025
PS Number PS927179L

Riverfield Square
CLYDE
Beveridge Williams
Development & Infrastructure Consultants

RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
ROAD CROSS SECTIONS
POPPY SAGE WAY

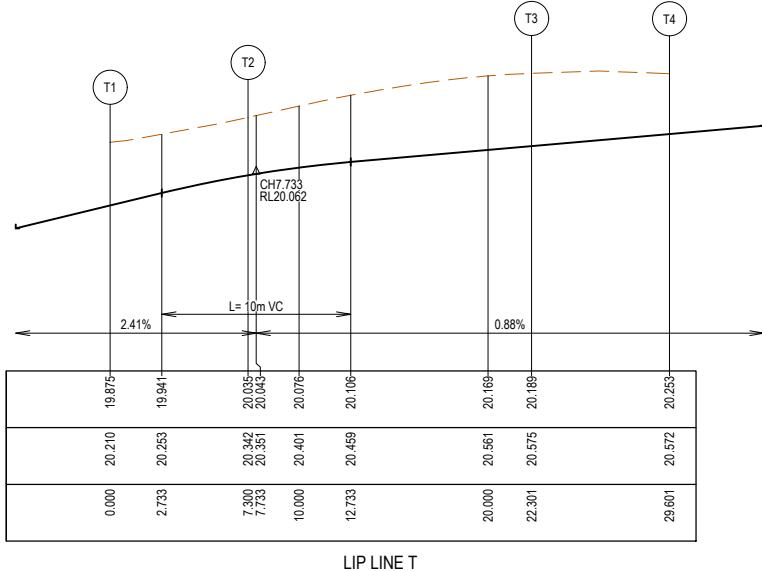
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CONSTRUCTION

Sheet	11 of 18	
Scale	1:100 H 1:50 V @ A1	
Project Ref	Stage No	Drawing No

2101578 32 203 A

VERTICAL GEOMETRY
DATUM RL19
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

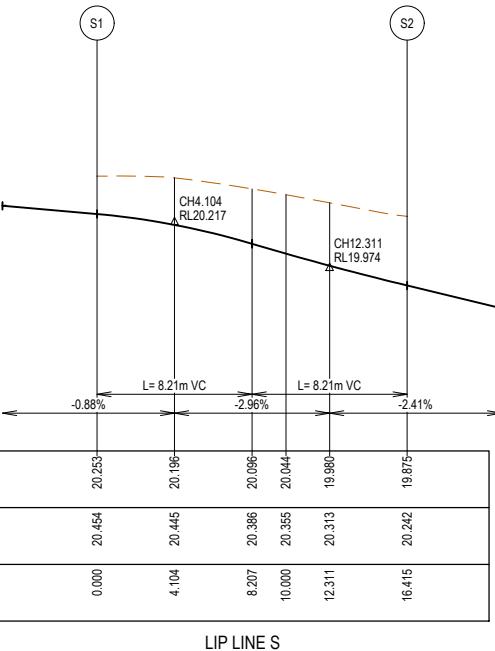


LIP LINE T

Point no	Easting	Northing	RL
T1	5308.741	78003.235	19.875
T2	5309.764	78010.463	20.035
T3	5320.557	78018.581	20.189
T4	5327.785	78017.559	20.253

Curve no I Radius Arc A B X Y I Mid point RL
T2 - T3 90.000 9.550 15.001 2.797 2.070 3.655 3.098 3.750 20.124

VERTICAL GEOMETRY
DATUM RL19
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE

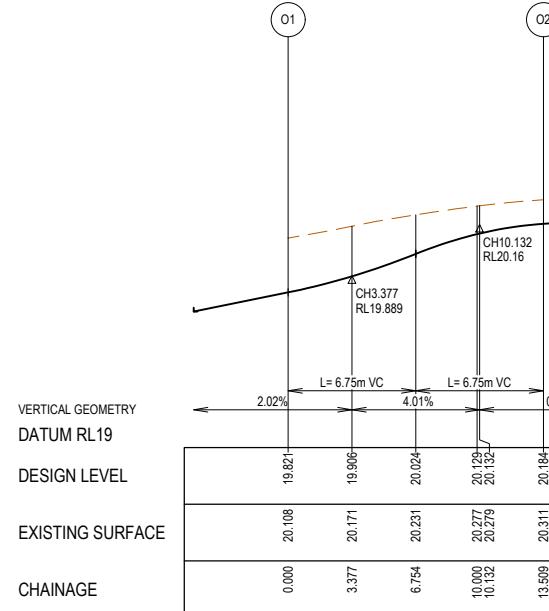


LIP LINE S

LIP LINE S

Point no	Easting	Northing	RL
S1	5326.889	78011.222	20.253
S2	5315.078	78002.339	19.875

Curve no S1 - S2 90.000 10.450 16.415 3.061 2.265 3.999 3.390 4.104 20.096



LIP LINE O

Point no	Easting	Northing	RL
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O2	5363.078	78006.102	20.184

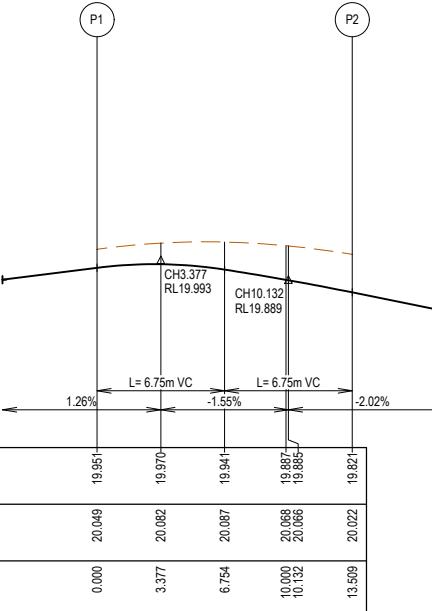
Curve no O1 - O2 90.000 8.600 13.509 2.519 1.864 3.291 2.790 3.377 20.024

City of Casey

Approved By: Irshad Ghazi
Planning Ref: PA22-0318
File No: SEng00025/25
Council Ref: R6327
Date : 25/09/2025

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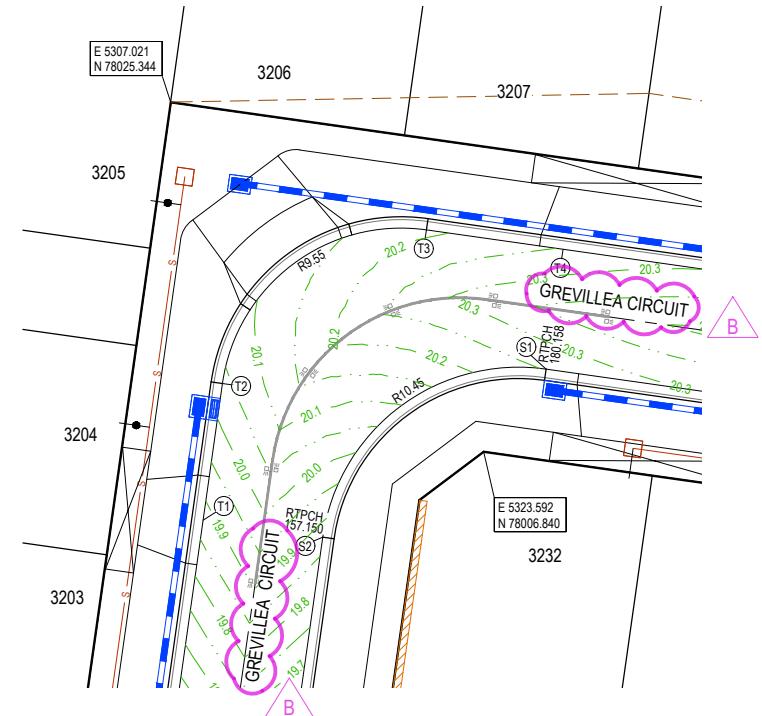


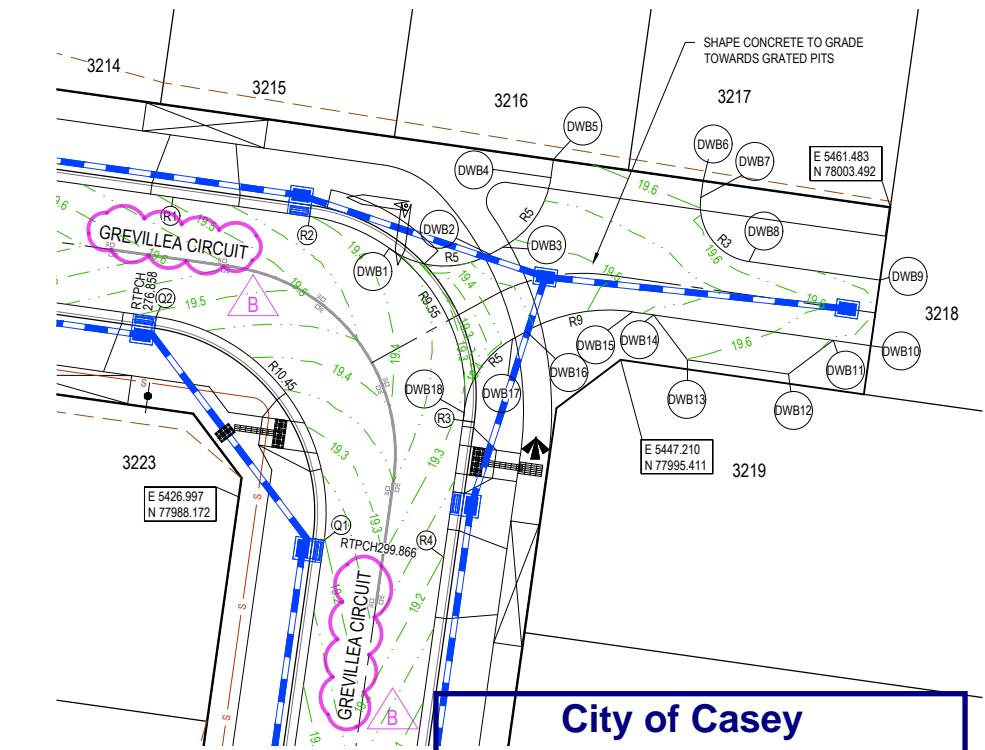
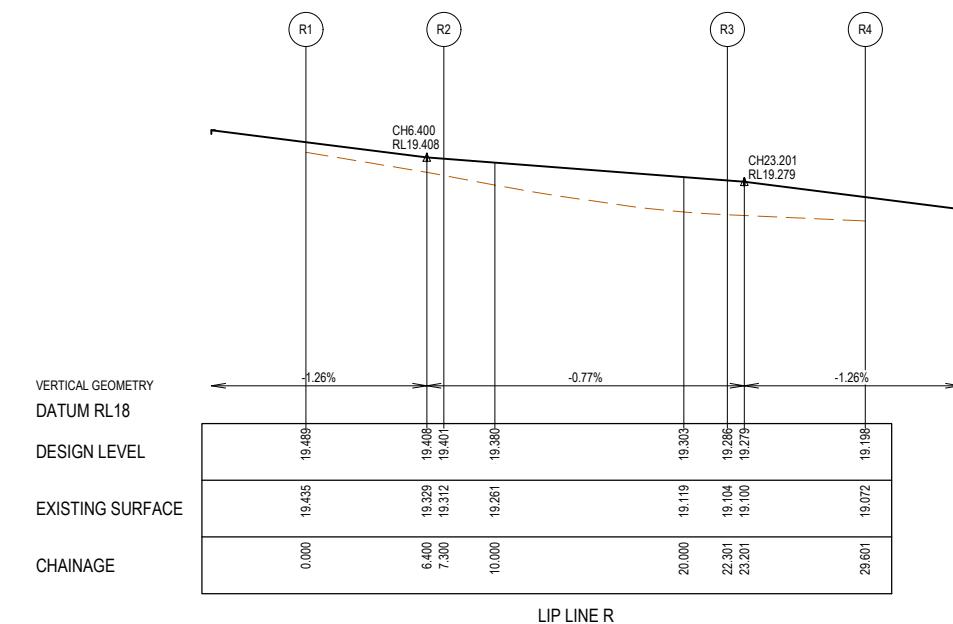
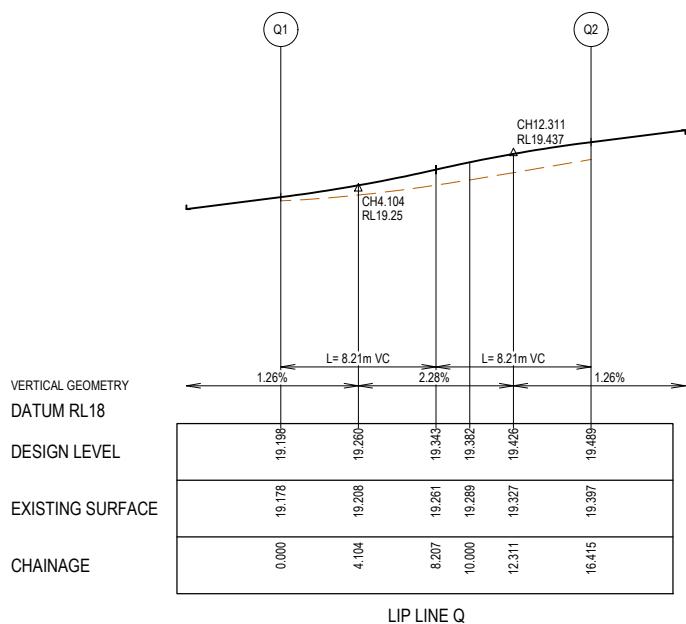
LIP LINE P

Point no	Easting	Northing	RL
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P2	5376.726	77995.486	19.821

Curve no P1 - P2 90.000 8.600 13.509 2.519 1.864 3.291 2.790 3.377 19.941

HORIZ 1:200 0 4 8 12
VERT 1:20 0 0.4 0.8 1.2
SCALE AT A1 SIZE



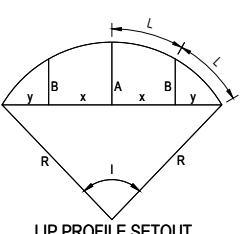
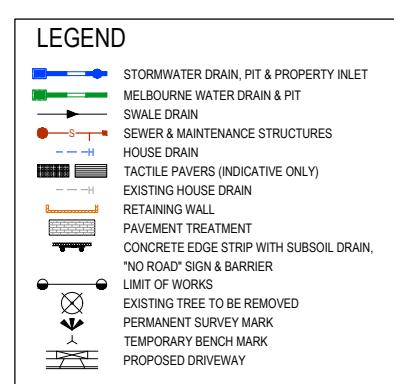
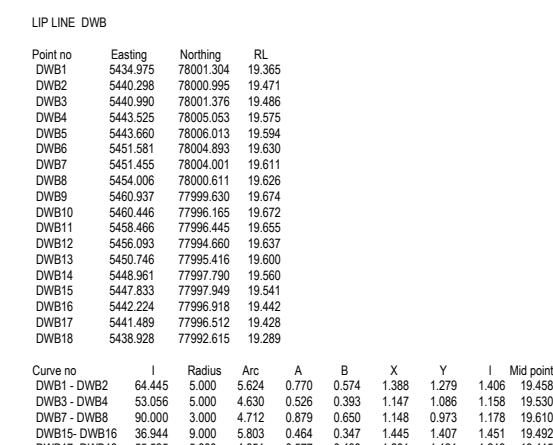
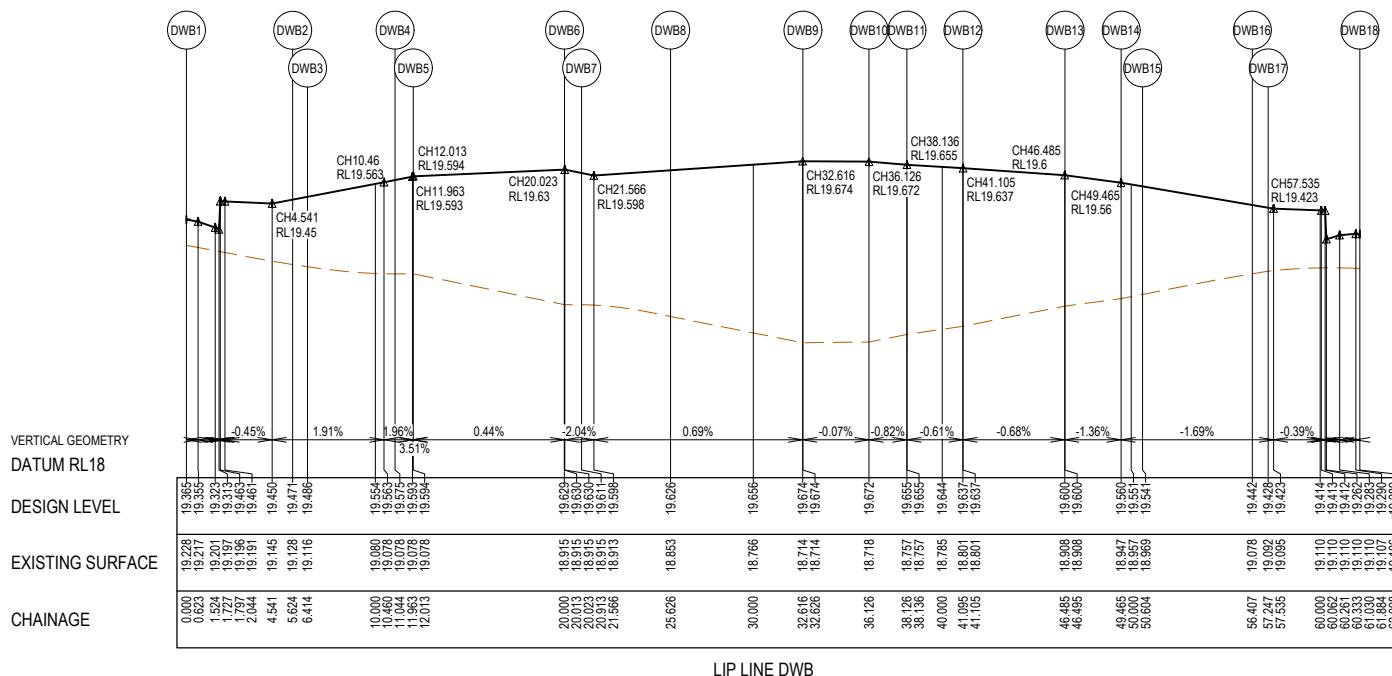


City of Casey

Approved By: **Irshad Ghazi**
Planning Ref: **PA22-0318**
File No: **SEng00025/25**
Council Ref: **R6327**
Date : **25/09/2025**

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A	ISOLATED FOR CONSTRUCTION	07.07.25	M.F.J.	S.

REV	DESCRIPTION	DATE	DRN.	AP
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BROWN COMMUNITIES



	Designed
	Date
Drawn	L
Checked	
Date	
Approved	
Reg. No.	
Date	
PS Number	

KLIM WAN
17.02.2025
THERLAND
S.YOUNG
17.02.2025
S.YOUNG
17.02.2025
S.YOUNG
17.02.2025

BW Beveridge Williams

Development & Infrastructure Consultants

Project Details RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY

Drawing Title INTERSECTION DETAIL

Sh
Scale
1:20
Project Ref.

Sheet 13 of 18



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.

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B	ROAD NAME AMENDED	08.08.26	M.F.J.	S.F.	
A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J.	S.F.	
REV	DESCRIPTION	DATE	DRN.	APP.	REV
	DESCRIPTION	DATE	DRN.	APP.	

BROWN
COMMUNITIES

Riverfield
square
CLYDE

Designed: KLIN WAN
Date: 17.02.2025
Drawn: LSUTHERLAND
Checked: S.YOUNG
Date: 17.02.2025
Approved: S.YOUNG
Reg. No: PE000569
Date: 17.02.2025
PS Number: PS927179L

BW Beveridge Williams
Development & Infrastructure Consultants

RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
p: 03 9524 8888
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Sheet 14 of 18
Scale 1:500 @ A1
Drawing Title: SIGNAGE & LINE MARKING PLANS
Project Ref: 2101578 Stage No: 32 Drawing No: 350 Rev: B

City of Casey

Approved By: **Irshad Ghani**
Planning Ref: **PA22-0318**
File No: **SEng00025/25**
Council Ref: **R6327**
Date : **25/09/2025**

Approval subject to below conditions:

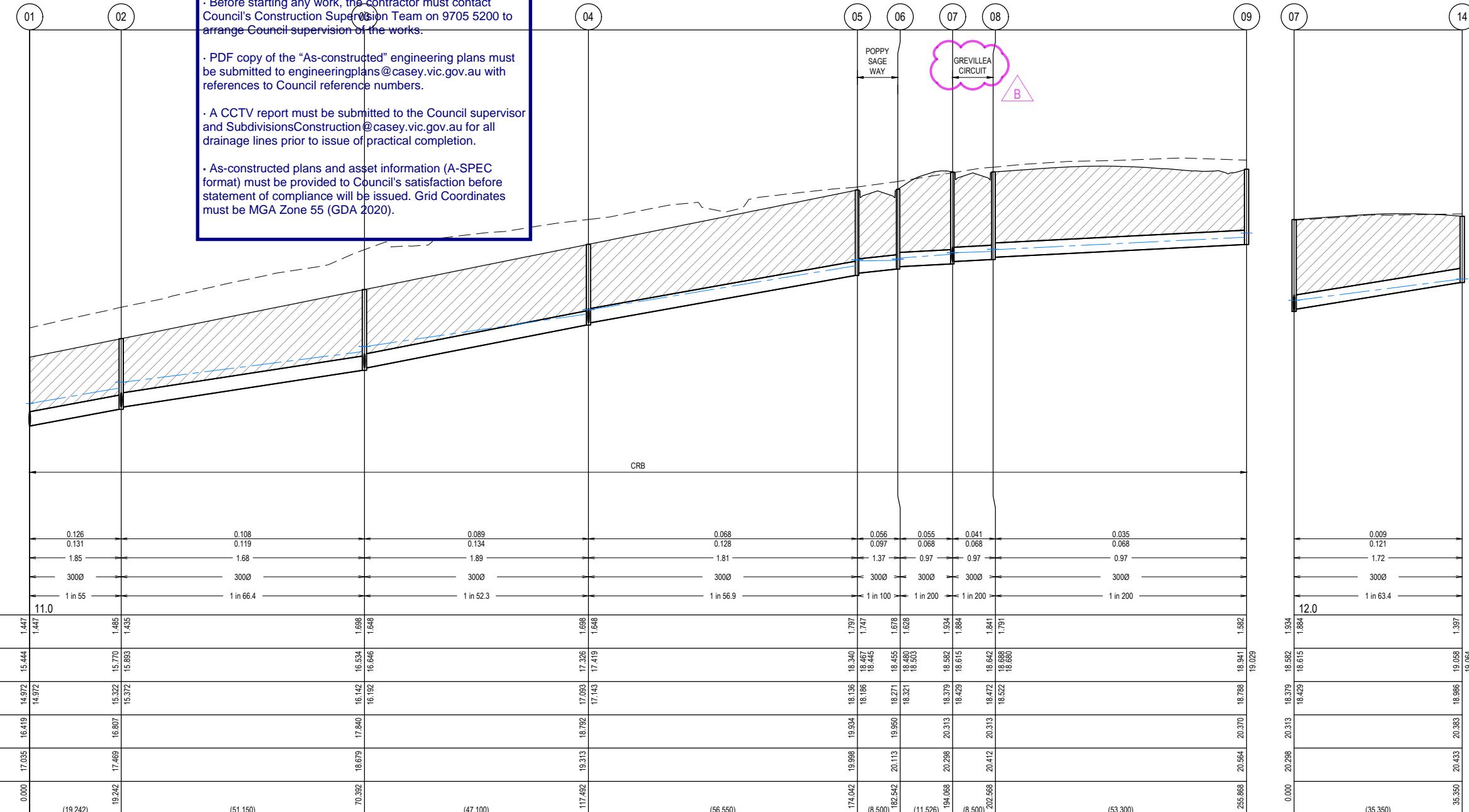
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NOTES:
ALL STORMWATER DRAINS UP TO AND
INCLUDING 750mm DIA. ARE TO BE CLASS 2
R.R.J. PIPES UNLESS NOTED OTHERWISE.

LEGEND

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



HORIZ 1:500 0 5 10 20 30
 VERT 1:50 0 0.5 1 2 3
 SCALE AT A1 SIZE

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B	ROAD NAME AMENDED	08.08.27	M.F.J.	S
A	LOCATED FOR CONSTRUCTION	07.07.05	M.F.J.	S

A	ISSUED FOR CONSTRUCTION	07/07/25	M.F.J.	S
REV	DESCRIPTION	DATE	DRN.	A

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17.02.2025
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PE0006609

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Development & Infrastructure Consultants

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17.02.2025

L.SUTHERLAND
S.YOUNG
17.02.2025

S.YOUNG
PE0005609
17.02.2025

PS927179L

B Beveridge William

Development & Infrastructure Consulta

1 Glenferrie Road
Malvern VIC 3144

ph: 03 9524 8888
www.beveridgewilliams.com

Project Details	RIVERFIELD SQUARE STAGE 32 CITY OF CASEY
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)

Project Details	RIVERFIELD SQUARE STAGE 32 CITY OF CASEY
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)

Sheet 15 of 18

2101578 32 400

City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

File No: SEng00025/25

Council Ref: R6327

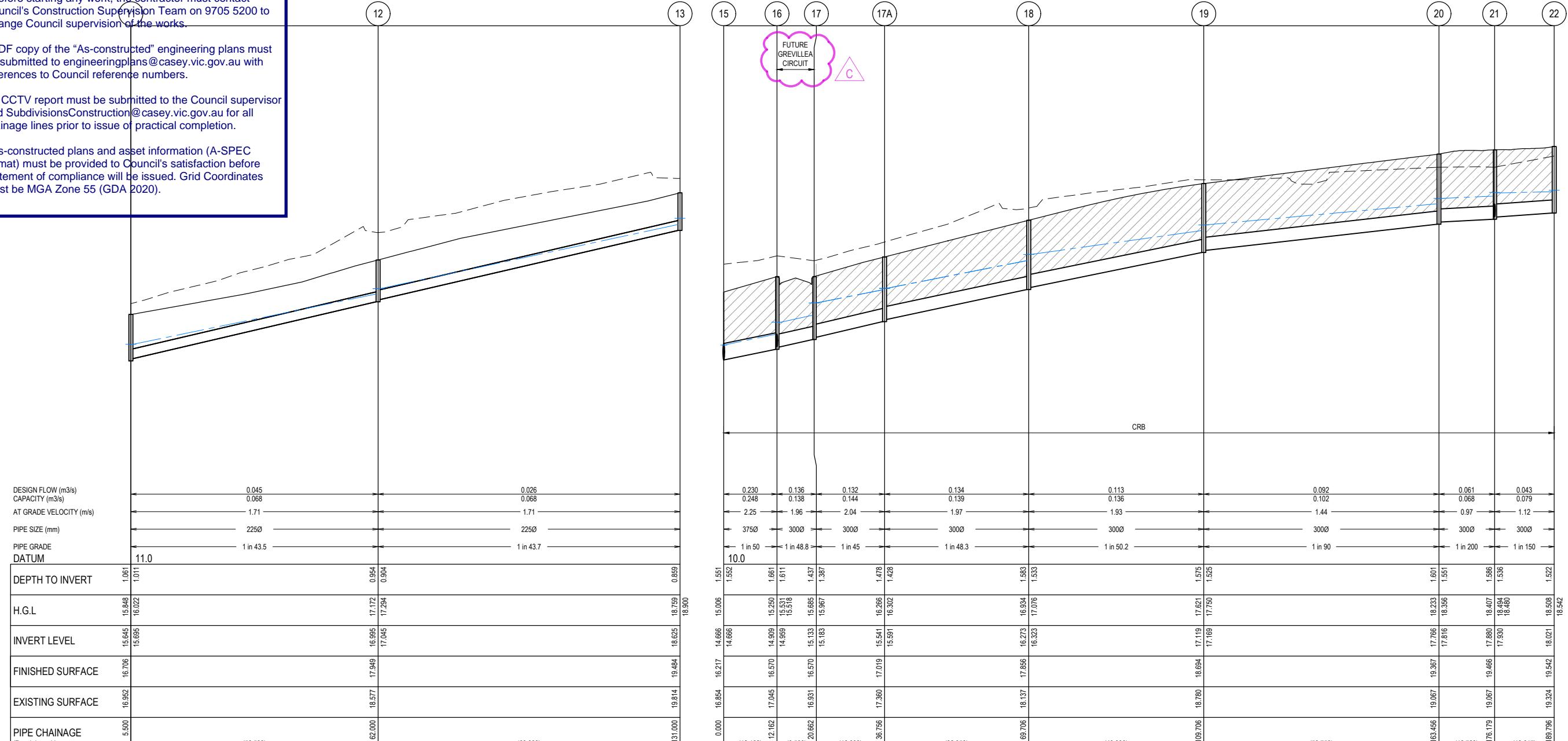
Date : 25/09/2025

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

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



HORIZ 1:500
0 5 10 20 30
VERT 1:50
0 0.5 1 2 3
SCALE AT A1 SIZE

ISSUED FOR
CONSTRUCTION

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C	ROAD NAME AMENDED	08.08.25	M.F.J. S.F.
B	PIT 17A ADDED	16.07.25	K.L.W. S.F.
A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J. S.F.
REV	DESCRIPTION	DATE DRN. APP. REV	DATE DRN. APP.



Designed by KLIM WAN
Date 17.02.2025
Drawn by LSUTHERLAND
Checked by S.YOUNG
Date 17.02.2025
Approved by S.YOUNG
Reg. No. PE000569
Date 17.02.2025
PS Number PS927179L

BW Beveridge Williams
Development & Infrastructure Consultants

Project Details: RIVERFIELD SQUARE
STAGE 32
CITY OF CASEY
Drawing Title: DRAINAGE LONGITUDINAL SECTIONS
(SHEET 2 OF 4)

Sheet 16 of 18
Scale 1:500 H 1:50 V @ A1
Project Ref: 2101578 Stage No: 32 Drawing No: 401 Rev: C

City of Casey

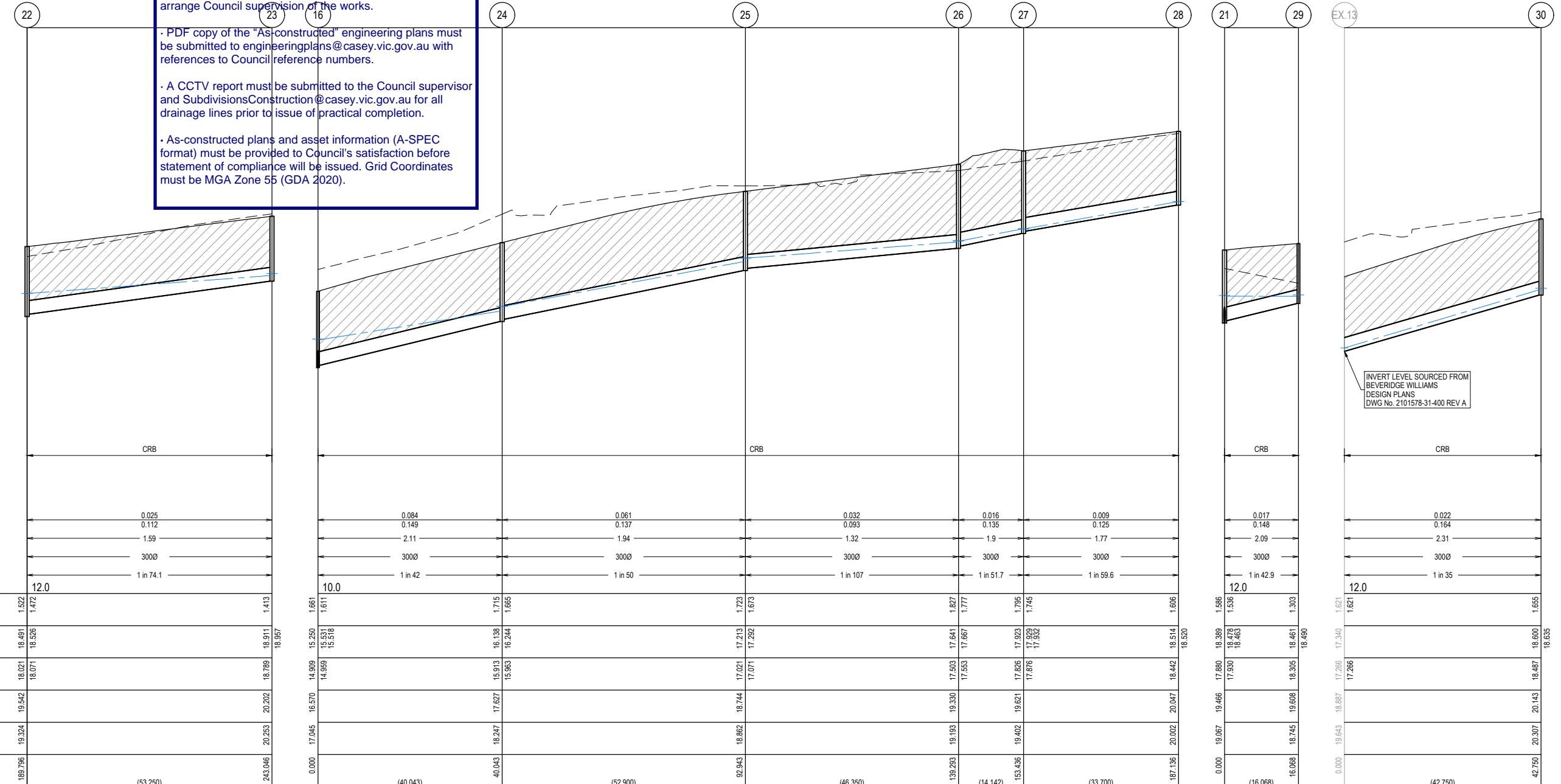
Approved By: Irshad Ghazi
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R.R.J. PIPES UNLESS NOTED OTHERWISE.

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

EX.22 31

DESIGN FLOW (m ³ /s)	0.037
CAPACITY (m ³ /s)	0.164
AT GRADE VELOCITY (m/s)	2.31
PIPE SIZE (mm)	3000
PIPE GRADE	1 in 35
DATUM	11.0
DEPTH TO INVERT	1.704
	1.704
H.G.L.	17.278
INVERT LEVEL	17.181
FINISHED SURFACE	16.885
EXISTING SURFACE	19.709
PIPE CHAINAGE (Reach Length)	0.000 (27.100)
	27.100
	18.03
	18.104
	18.202

PIT NAME	PIT TYPE	PIT SCHEDULE						PIT DETAIL	HAUNCH DETAIL	REMARKS		
		LID WIDTH (mm)	INTERNAL LENGTH (mm)	INTERNAL WIDTH (mm)	INTERNAL LENGTH (mm)	INLET DIAMETER (mm)	INLET INV R.L (mm)	OUTLET DIAMETER (mm)	OUTLET INV R.L (m)	F.S.L	DEPTH (m)	
01	ENDWALL	-	-	-	-	300	14.972	300	14.972	16.419	1.447	-
02	SIDE ENTRY PIT	600	900	600	900	300	15.372	300	15.322	16.807	1.485	EDCM 601
03	SIDE ENTRY PIT	600	900	600	900	300	16.192	300	16.142	17.84	1.698	EDCM 601
04	SIDE ENTRY PIT	600	900	600	900	300	17.143	300	17.093	18.792	1.698	EDCM 601
05	SIDE ENTRY PIT	600	900	600	900	300	18.186	300	18.136	19.934	1.797	EDCM 601
06	SIDE ENTRY PIT	600	900	600	900	300	18.321	300	18.271	19.95	1.678	EDCM 601
07	SIDE ENTRY PIT	600	900	600	900	300	18.429	300	18.379	20.313	1.934	EDCM 601
08	SIDE ENTRY PIT	600	900	600	900	300	18.522	300	18.472	20.313	1.841	EDCM 601
09	JUNCTION PIT	600	900	600	900	-	-	300	18.788	20.37	1.582	EDCM 605
11	JUNCTION PIT	600	900	600	900	-	-	300	18.986	20.383	1.397	EDCM 605
12	JUNCTION PIT	600	900	600	900	225	15.695	225	15.645	16.706	1.061	EDCM 605
13	JUNCTION PIT	600	900	600	900	225	17.045	225	16.995	17.949	0.954	EDCM 605
14	JUNCTION PIT	600	900	600	900	-	-	225	18.625	19.484	0.859	EDCM 605
15	ENDWALL	-	-	-	-	375	14.666	375	14.666	16.217	1.552	-
16	SIDE ENTRY PIT	600	900	600	900	300	14.959	375	14.909	16.57	1.661	EDCM 601
17	SIDE ENTRY PIT	600	900	600	900	300	15.183	300	15.133	16.57	1.437	EDCM 601
17A	JUNCTION PIT	600	900	600	900	300	15.591	300	15.541	17.019	1.478	EDCM 605
18	SIDE ENTRY PIT	600	900	600	900	300	16.323	300	16.273	17.856	1.583	EDCM 601
19	SIDE ENTRY PIT	600	900	600	900	300	17.169	300	17.119	18.694	1.575	EDCM 601
20	SIDE ENTRY PIT	600	900	600	900	300	17.816	300	17.766	19.367	1.601	EDCM 601
21	GRATED PIT	600	900	600	900	300	17.93	300	17.88	19.466	1.586	EDCM 605
22	SIDE ENTRY PIT	600	900	600	900	300	18.071	300	18.021	19.542	1.522	EDCM 601
23	JUNCTION PIT	600	900	600	900	-	-	300	18.789	20.202	1.413	EDCM 605
24	SIDE ENTRY PIT	600	900	600	900	300	15.963	300	15.913	17.627	1.715	EDCM 601
25	SIDE ENTRY PIT	600	900	600	900	300	17.071	300	17.021	18.744	1.723	EDCM 601
26	SIDE ENTRY PIT	600	900	600	900	300	17.553	300	17.500	19.33	1.827	EDCM 601
27	SIDE ENTRY PIT	600	900	600	900	300	17.876	300	17.826	19.621	1.795	EDCM 601
28	JUNCTION PIT	600	900	600	900	-	-	300	18.442	20.047	1.606	EDCM 605
29	GRATED PIT	600	900	600	900	-	-	300	18.305	19.608	1.303	EDCM 605
30	SIDE ENTRY PIT	600	900	600	900	-	-	300	18.487	20.143	1.655	EDCM 601
31	SIDE ENTRY PIT	600	900	600	900	-	-	300	17.955	19.759	1.803	EDCM 601

City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

File No: SENG00025/25

Council Ref: R6327

Date : 25/09/2025

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ISSUED FOR
CONSTRUCTION

Sheet 18 of 18	
Scale 1:500 H:1:50 V: A1	
Project Ref 2101578	Stage No 32
Drawing No 403	Rev C

C	PITS 26 & 27 UPDATED	29.07.25	AP	SF
B	PIT 17A ADDED	16.07.25	KLW	SF
A	ISSUED FOR CONSTRUCTION	07.07.25	M.F.J.	S.F.
REV	DESCRIPTION	DATE	DRN.	APP.

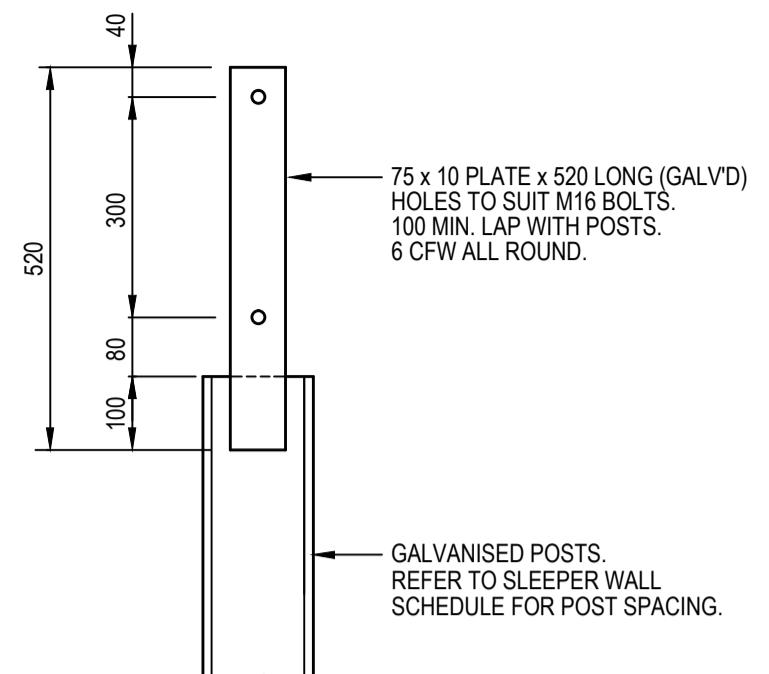
BROWN COMMUNITIES	
----------------------	---



Designed K.LIM WAN
Date 17.02.2025
Drawn L.SUTHERLAND
Checked S.YOUNG
Date 17.02.2025
Approved S.YOUNG
Reg. No. PE000569
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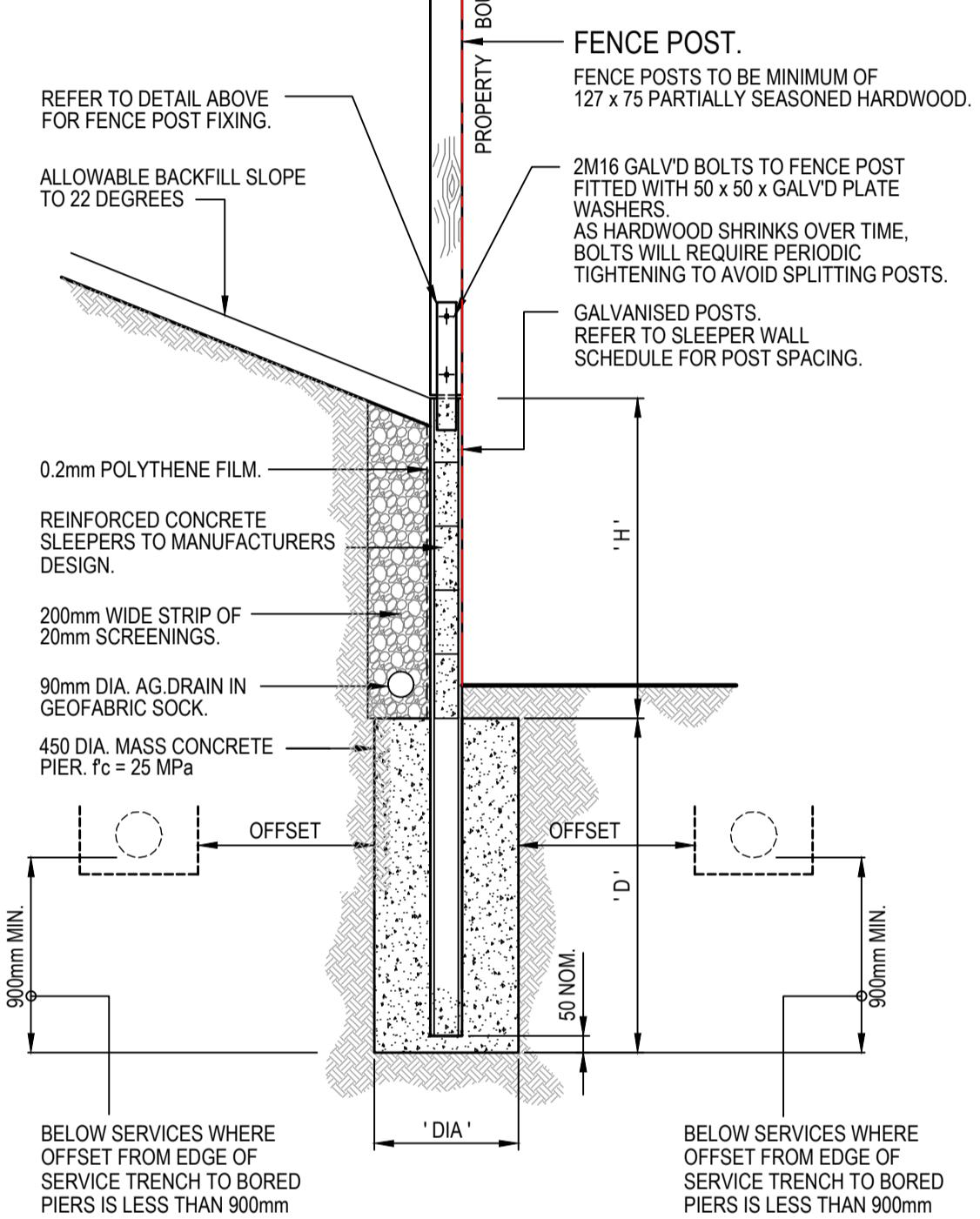
Riverfield
SQUARE
CLYDE
Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
p: 03 9524 8888
www.beveridgewilliams.com.au

HORIZ 1:500 0 5 10 20 30
VERT 1:50 0 0.5 1 2 3
SCALE AT A1 SIZE



FENCE POST FIXING PLATE DETAIL

SCALE 1:10



**REINFORCED CONCRETE SLEEPER RETAINING WALL
WITH 1.8m HIGH PAILING OR COLORBOND FENCE**

SCALE 1:20

- REFER BEVERIDGE WILLIAMS DRAWINGS FOR WALL LOCATIONS AND HEIGHTS.
- WHERE BASALT IS PRESENT, THE BORED PIER FOOTINGS SHALL BE SOCKETED 900mm MINIMUM INTO SOLID UNDISTURBED BEDROCK

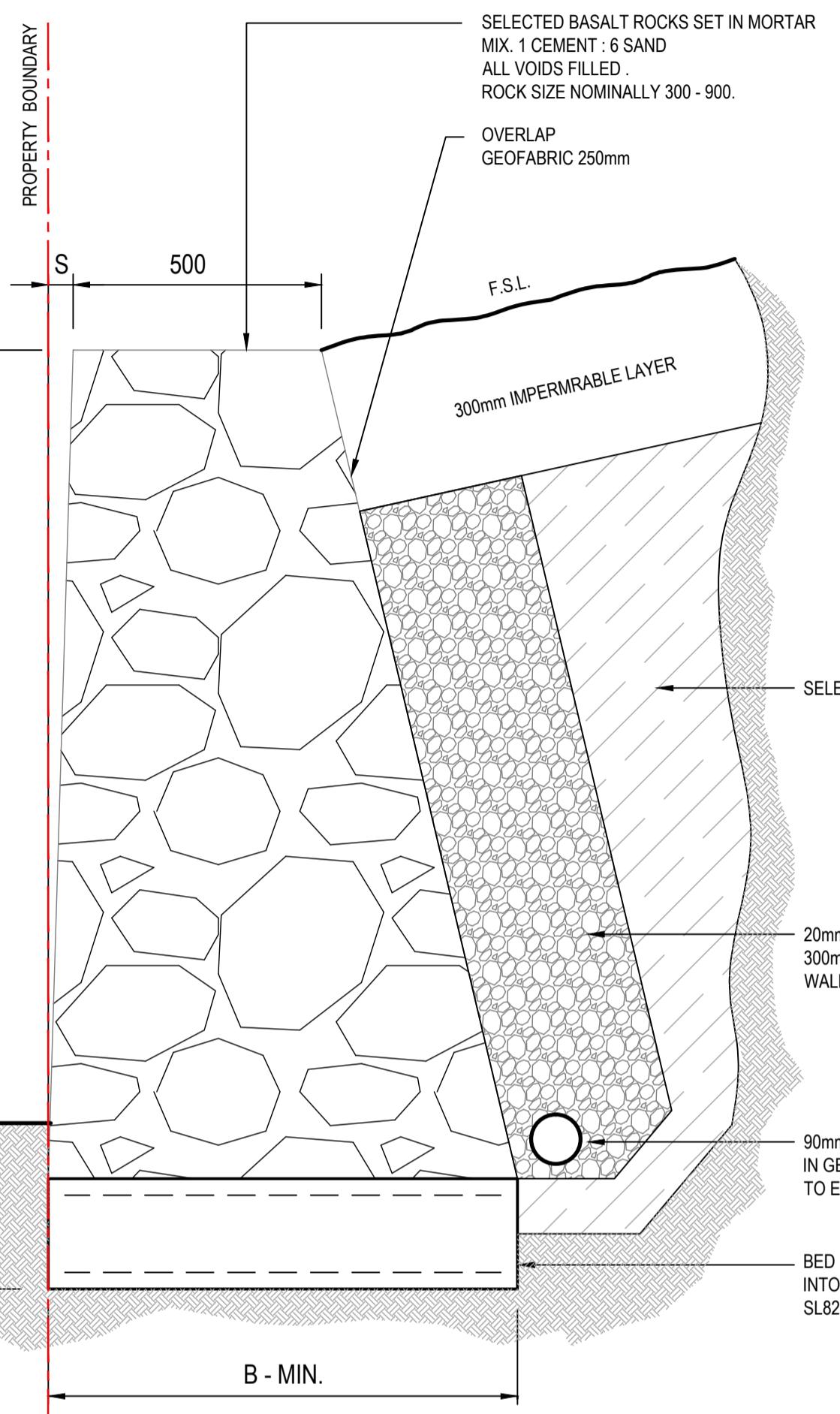
SLEEPER WALL SCHEDULE				
SPACING OF POSTS (mm)	RETAINED HEIGHT 'H'	DEPTH 'D'	POST SIZE	DIAMETER 'DIA' OF PIER (mm)
2400	0 - 600mm	1000	150 UB 14	450
2400	601 - 800mm	1400	150 UB 14	450
2400	801 - 1000mm	1800	150 UB 14	450
2400	1001 - 1200mm	2100	150 UB 14	450
2400	1201 - 1400mm	2400	150 UB 18	450
2400	1401 - 1600mm	2700	150 UB 18	450
2400	1601 - 1800mm	3000	200 UB 22	450



REVISIONS

P2	APPROVAL ISSUE	30.08.2024	MA
P1	APPROVAL ISSUE	26.08.2024	MA
DETAILS			
REVISION	DATE	APPROVED	

APPROVAL



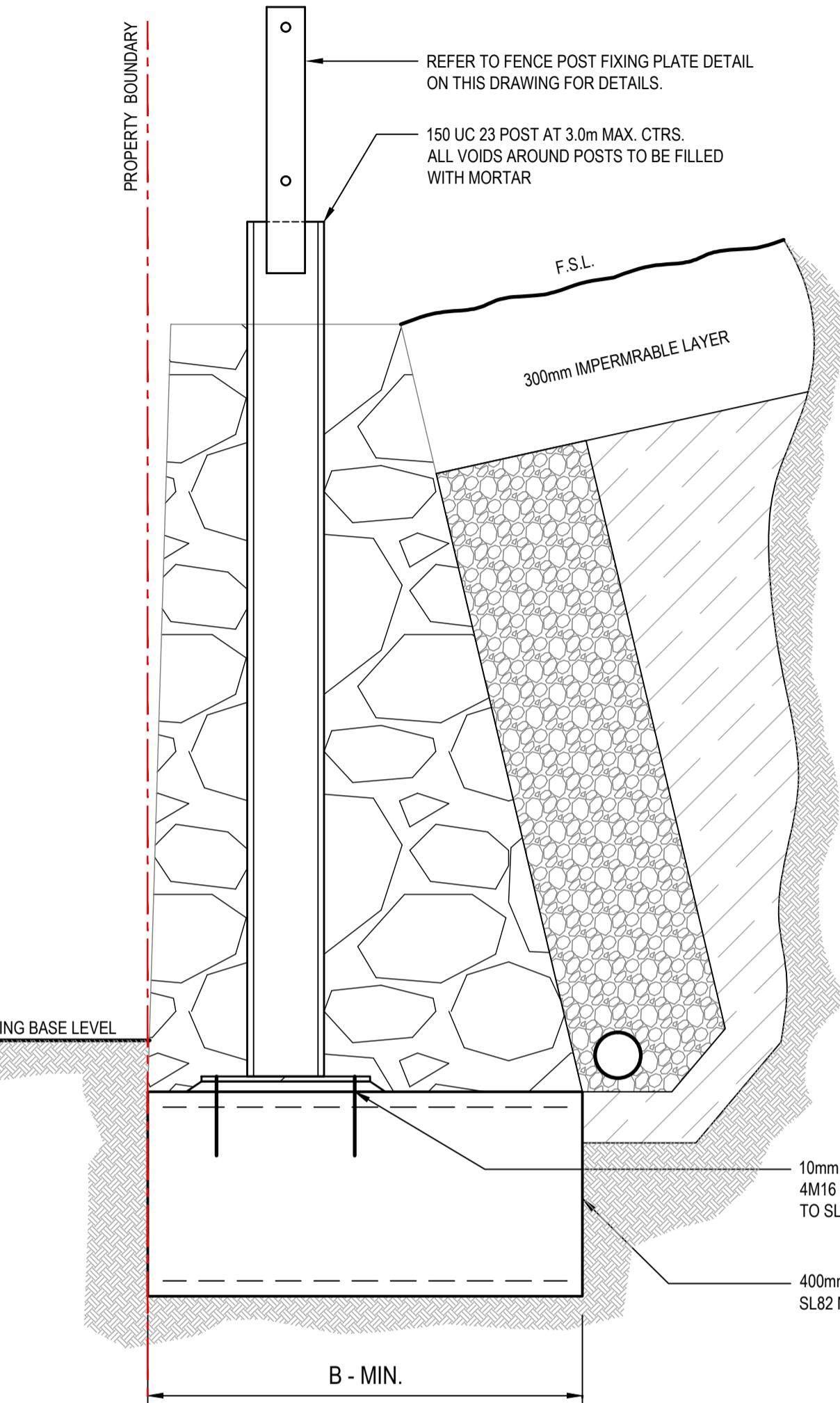
MASS ROCK RETAINING WALL DETAIL

SCALE 1:10

MASS ROCK RETAINING WALL SCHEDULE			
MAX WALL HEIGHT (mm)	FOUNDING DEPTH - D (mm)	BASE WIDTH - B (mm)	FRONT FACE SETBACK - S (mm)
500	400	515	15
1000	400	600	30
1500	400	1000	45
1800	400	1200	60

RETAINING WALL NOTE:
THE RETAINING WALL DESIGN ASSUMES THAT ALL FILLING USED ON SITE IS APPROVED IMPORTED MATERIAL THAT HAS BEEN COMPACTION IN LAYERS TO A MINIMUM OF 95% STANDARD COMPACTION IN ACCORDANCE WITH AS1289 AND THAT THE FILLING HAS BEEN PLACED UNDER CLASS 1 GEOTECHNICAL ENGINEER SUPERVISION IN ACCORDANCE WITH AS3798. SHOULD THIS BE FOUND NOT TO BE THE CASE DURING THE CONSTRUCTION PROCESS, REDesign OF RETAINING WALLS WILL BE REQUIRED.

MASS ROCK RETAINING WALL SCHEDULE			
MAX WALL HEIGHT (mm)	FOUNDING DEPTH - D (mm)	BASE WIDTH - B (mm)	FRONT FACE SETBACK - S (mm)
500	400	515	15
1000	400	600	30
1500	400	1000	45
1800	400	1200	60



**MASS ROCK RETAINING WALL DETAIL
WITH FENCE**

SCALE 1:10

NOTE 1:
ALL STEELWORK TO BE HOT DIP GALVANISED AFTER FABRICATION.

CONCRETE NOTES

- ALL CONCRETE BASED ON $f_c = 25 \text{ MPa}$ NORMAL CONCRETE MIX. SIZE = 20mm.
- CONCRETE SLOM TO BE 80mm WITH A MAXIMUM AGGREGATE SIZE = 20mm.
- CONCRETE THICKNESS NOMINATED ARE MINIMUM STRUCTURAL REQUIREMENTS.
- ALL REINFORCEMENT TO BE 'N' TYPE HOT ROLLED DEFORMED BARS IN ACCORDANCE WITH AS4671 AND BE GRADE 500N.
- ALL REINFORCEMENT SHALL BE SECURELY SUPPORTED AND MAINTAINED IN THE CORRECT POSITION.
- WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE STRUCTURAL ENGINEER.
- ALL CONCRETE WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE AS3600 AND OTHER RELEVANT AUSTRALIAN STANDARDS.
- CONCRETE SHALL BE SUPPLIED BY AN APPROVED MANUFACTURER IN ACCORDANCE WITH AS1339.

STEELWORK

CORROSION PROTECTION OF STEELWORK SHALL BE AS FOLLOWS. STEELWORK PERMANENTLY EXPOSED TO WEATHER OR AGGRESSIVE ENVIRONMENT SHALL BE HOT DIPPED GALVANISED.

ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH AS4126 SAX STEEL STRUCTURES. WORK SHALL BE PERFORMED BY A QUALIFIED OPERATOR IN ACCORDANCE WITH AS1554. UNLESS STATED OTHERWISE,

- ALL CLEATS, GUSSETS & END PLATES SHALL BE 10mm THICK.
- WELDING ELECTRODE SHALL BE E4BX.
- ALL BUTT WELDS SHALL BE 6mm CONTINUOUS.
- ALL BUTT WELDS SHALL BE FULL PENETRATION.
- BOLT HOLE CLEARANCE SHALL BE 2mm
- ALL WELDS SHALL BE STRUCTURAL PURPOSE.

THE GRADE OF STRUCTURAL STEEL SHALL BE AS FOLLOWS U.N.O.

SECTION	GRADE (MPa)
HOT ROLLED SECTIONS	300

MASS CONCRETE RETAINING WALL FOOTING NOTES
TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUND AT LEAST 100mm INTO THE UNDERLYING NATURAL STIFF CLAY OR WEATHERED ROCK.

ALL EXCAVATIONS SHALL HAVE FOUNDING DEPTHS & BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED.

FOOTING EXCAVATIONS WHICH ARE DEEPEDED TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.

ALL EXCAVATION FOUNDING SURFACES SHALL BE LEVEL (NOT INCLINED), CLEAR CUT & FREE OF MUD OR WATER.

ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.

FOOTINGS SHALL BE FOUND IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF 100 kPa.

City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

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Council Ref: R6327

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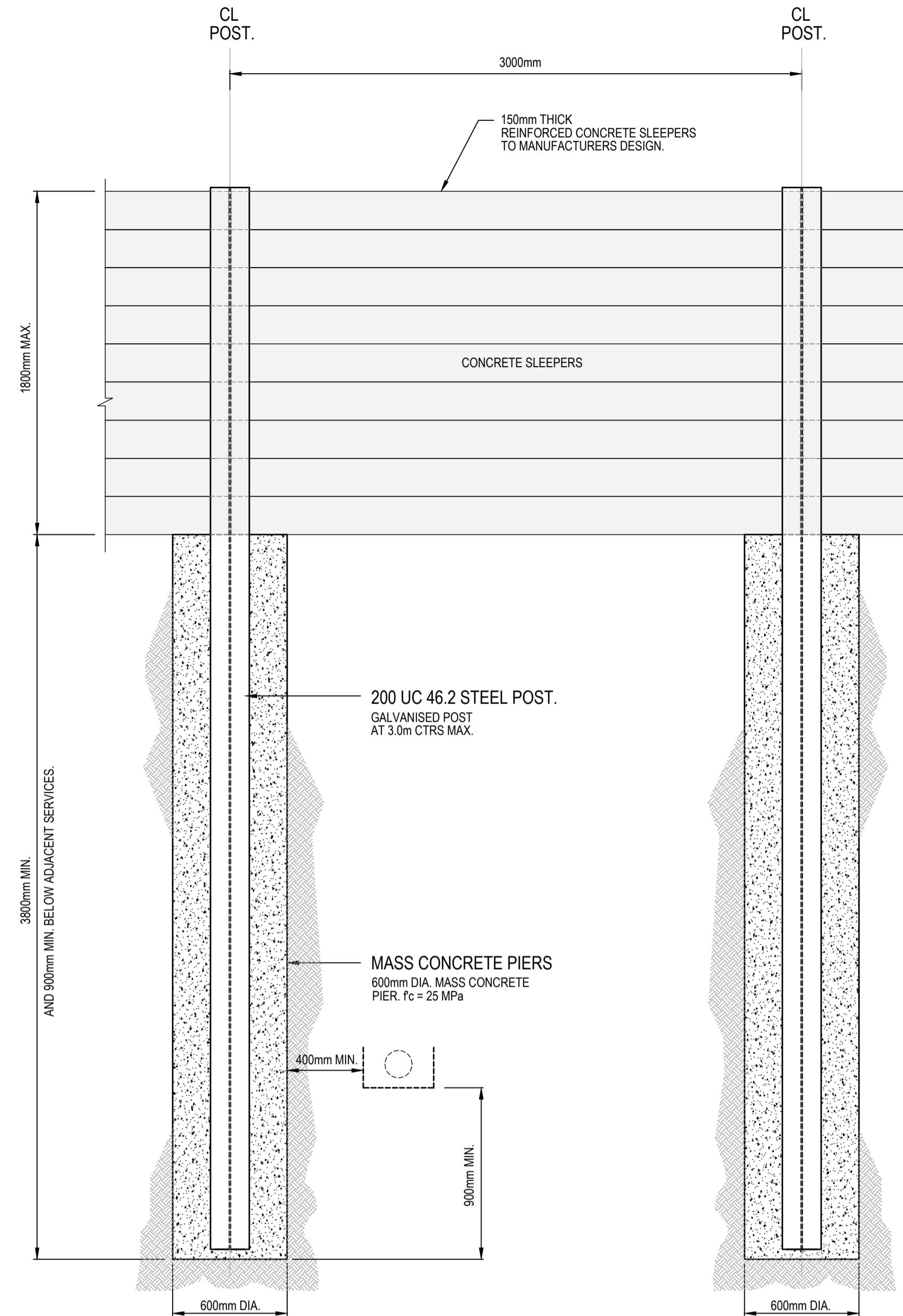
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**MA CIVIL
DESIGN** PTY LTD

Project Title :
RIVERFIELD SQUARE ESTATE
1675 BALLATO ROAD,
CLYDE NORTH

Drawing Title :
RETAINING WALL DETAILS
SHEET 1

Drawing No :
177-01-S01

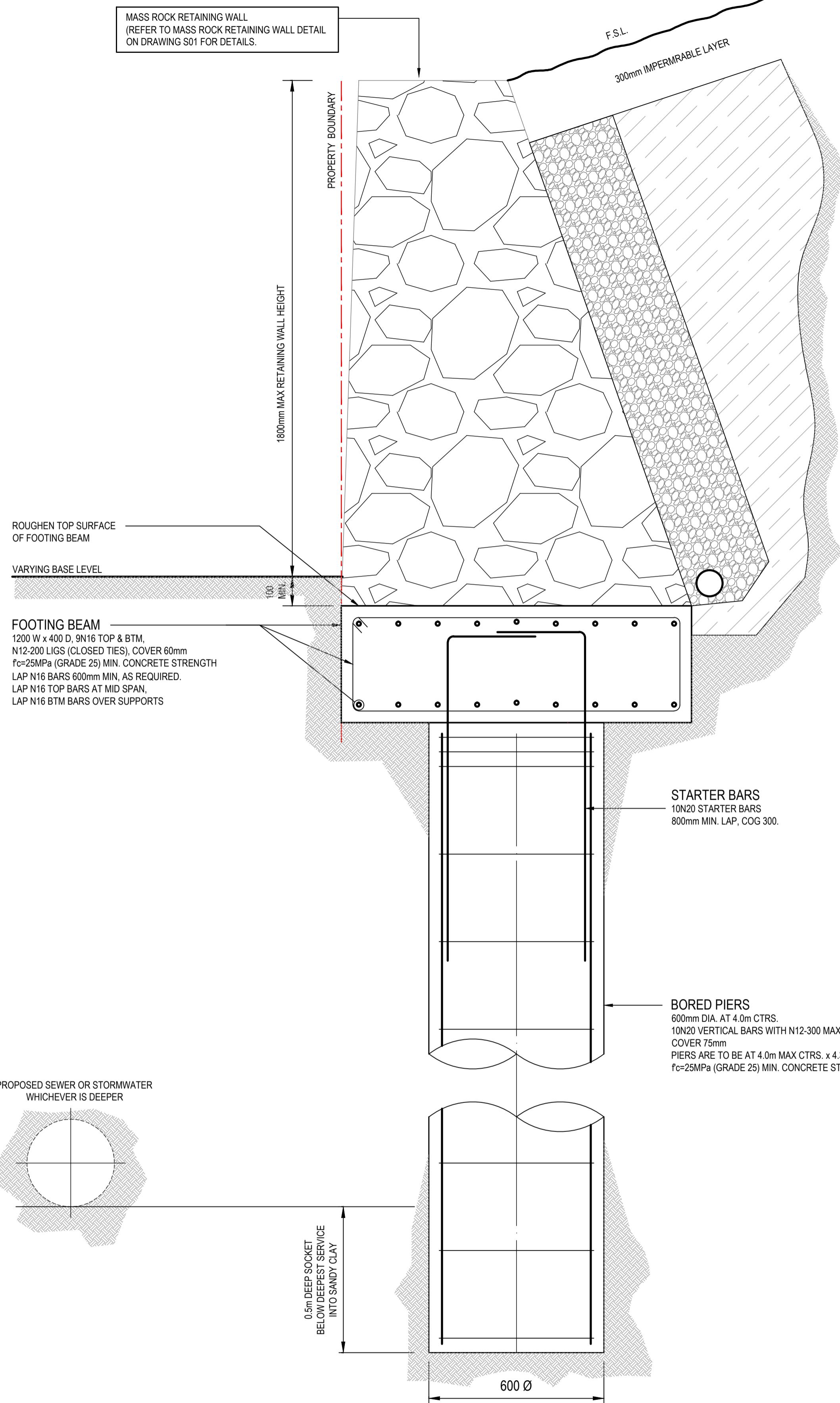


RETAINING WALL DETAIL
CONCRETE SLEEPER WITH 3.0m SPAN



REVISIONS	
P2	APPROVAL ISSUE
P1	APPROVAL ISSUE
REVISION	APPROVAL DATE

APPROVAL



MASS ROCK RETAINING WALL ON PIERS NEAR PARALLEL SEWER OR STORMWATER DETAIL
SCALE 1:10

CIVIL	
Designed M ALLAN	Date APRIL 2023
Drawn M.T.	Scale AS SHOWN @ A1 SHEET

**MA CIVIL
DESIGN** PTY LTD

ABN: 75 128 863 445
0424 811 015
+61 3 9830 1101
55 Sir Garnet Rd, Surrey Hills, VIC
design@macivil.com.au
www.macivil.com.au

Project Title :
RIVERFIELD SQUARE ESTATE
1675 BALLATO ROAD,
CLYDE NORTH

Drawing Title :
RETAINING WALL DETAILS
SHEET 2

177-01-S02

P2

City of Casey

Approved By: Irshad Ghazi

Planning Ref: PA22-0318

File No: SEng00025/25

Council Ref: R6327

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REVISIONS			
P2	APPROVAL ISSUE	30.08.2024	MA
P1	APPROVAL ISSUE	26.08.2024	MA
REVISION	DETAILS	DATE	APPROVED

APPROVAL

CIVIL	
Designed M ALLAN	Date APRIL 2023
Drawn M.T	Scale AS SHOWN @ A1 SHEET

MA CIVIL DESIGN

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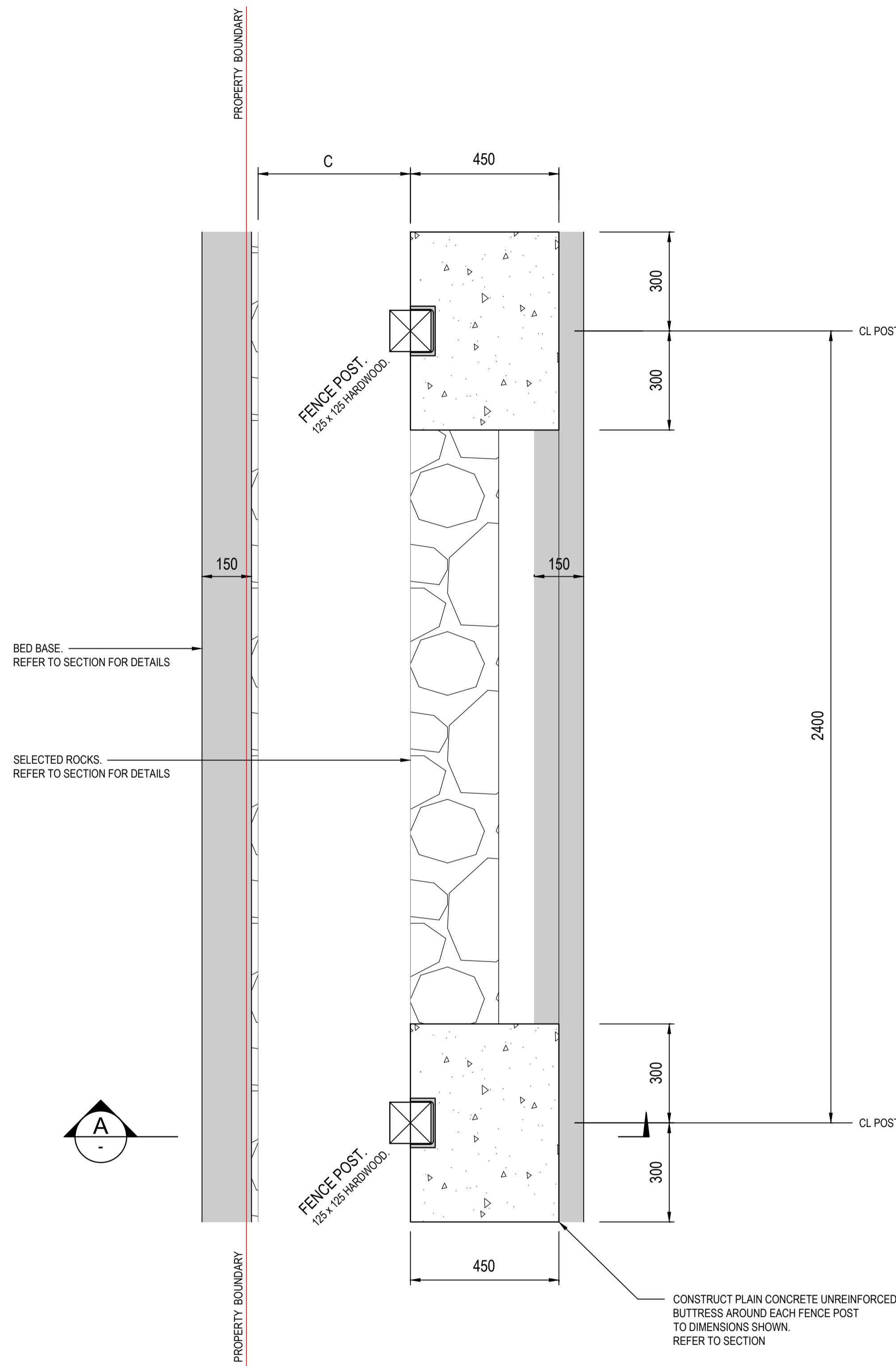
Project Title

RIVERFIELD SQUARE ESTATE
1675 BALLATO ROAD,
CLYDE NORTH

Drawing Title :
RETAINING WALL DETAILS
SHEET 3

Drawing No : 177-01-S03

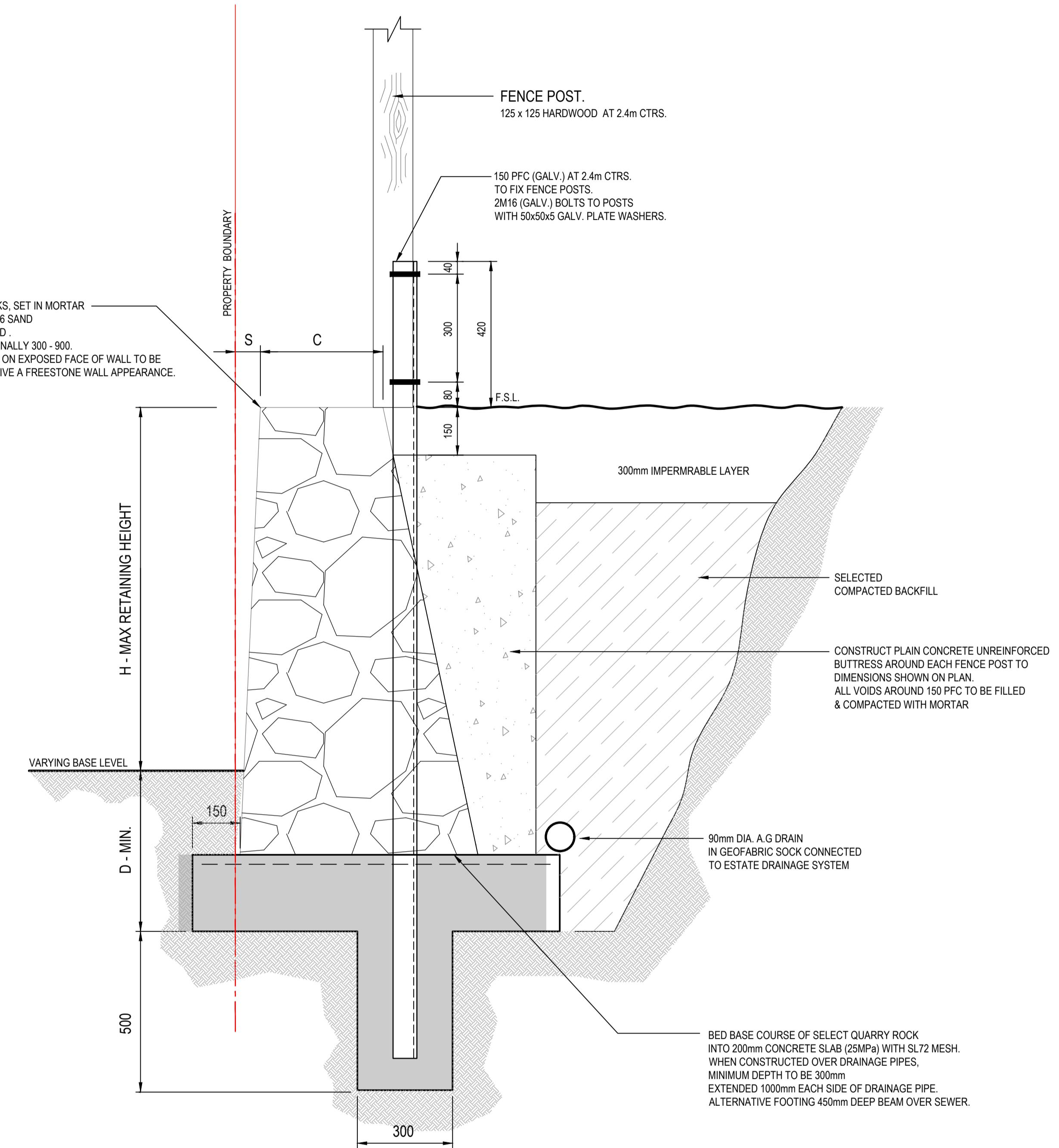
P2



PLAN VIEW

MASS ROCK RETAINING WALL DETAIL WITH PAILING TIMBER FENCE - TYPE RR

SCALE 1:10



SECTION A-A

MASS ROCK RETAINING WALL DETAIL WITH PAILING TIMBER FENCE - TYPE RR

SCALE 1:10



REVISIONS			
P1	APPROVAL ISSUE DETAILS	DATE	MA
		30.08.2024	APPROVED
REVISION			

APPROVAL

CIVIL	
Designed M ALLAN	Date APRIL 2023
Drawn M.T	Scale AS SHOWN @ A1 SHEET

**MA CIVIL
DESIGN**
PTY LTD

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Drawing Title :
RETAINING WALL DETAILS
SHEET 4

Drawing No :
177-01-S04