

# MERIDIAN CENTRAL ESTATE - STAGE 37

## 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 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 72514/203) 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. An environmental management plan (EMP) must be submitted to and approved by Council prior to the commencement of any works on site and all works must be carried out in accordance with this EMP.
- A8. 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 this TMP.

##### GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey and EDCM 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 Workcover's code of practice (1988).
- B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of 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 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. As constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.
- B11. 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.

##### ROADWORKS

- C1. 100e agricultural pipe drains (MPA standard drawing EDCM 202) to be placed behind all kerb & channel & buffer pitchers & where directed by the engineer.
- C2. Filling in all properties & road reserves is to be carried out using approved clay fill. Top soil & all vegetable matter to be stripped from site prior to filling. All filling to be carried out in accordance with AS3798-2007 and the geotechnical report. Level 1 inspection and testing to be carried out in accordance with AS3798-2007 Section 8.2. A fill report must be submitted to the Consultant, showing from a NATA registered soil testing laboratory.
- C3. Importing Fill:- All imported fill must be tested by a NATA approved laboratory to ensure it is suitable for use on site, & any contaminants are within accepted levels. Under no circumstances should fill material enter or leave the site without the permission of the supervising engineer & Council works supervisor, prior to it being appropriately tested. All vehicles transporting fill material to & from the site must have appropriate measures in place to ensure that material does not get onto roads & into stormwater systems & natural waterways.
- C4. Batters to be 1 in 5 for fill & 1 in 3 for cut unless noted otherwise.
- C5. Cut batters are to be grassed & mulched with a mixture of chopped grass, straw & bitumen emulsion.
- C6. Where cut batters exceed 700mm an additional 300mm berm shall be formed behind footpath.

- C7. Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.
- C8. The water conduit offset from the lot boundary is given on the water reticulation plan. The contractor must construct conduits to accord with the given offset & ensure that the 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. 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 (TGSIs) 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.

##### DRAINAGE

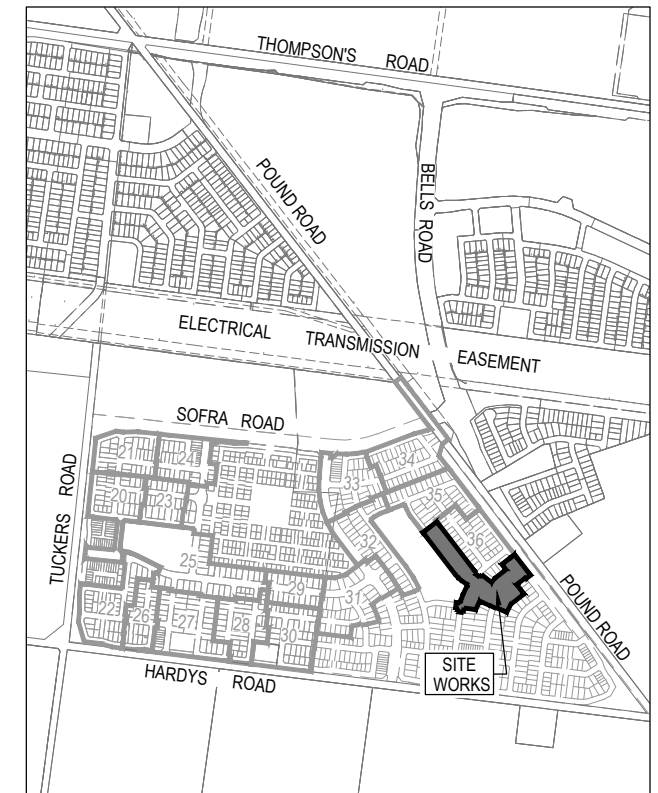
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages. Centreline of pits at TP's to be offset 1.00m.
- D2. Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise 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 2' 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.

#### DRAWING INDEX

DRAWING No.	TITLE	REVISION
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1801767-37-002	TYPICAL ROAD CROSS SECTIONS, PAVEMENT MAKE UP AND TYPICAL DETAILS	A
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1801767-37-102	ROAD LONGITUDINAL SECTIONS MUTURU STREET	A
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1801767-37-203	ROAD CROSS SECTION S MUTURU STREET	A
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1801767-37-300	INTERSECTION DETAILS (SHEET 1 OF 2)	A
1801767-37-301	INTERSECTION DETAILS (SHEET 2 OF 2)	B
1801767-37-350	SIGNAGE & LINE MARKING PLANS	B
1801767-37-400	DRAINAGE LONGITUDINAL SECTION S (SHEET 1 OF 2)	A
1801767-37-401	DRAINAGE LONGITUDINAL SECTION S (SHEET 2 OF 2)	B
1801767-37-402	DRAINAGE PIT SCHEDULE	B



SITE PLAN

NOT TO SCALE

MELWAY REF: 135 F4

#### Survey Origin:

Coordinates are on a local plane datum based upon MGA2020 Zone 55 bearings and truncated MGA2020 Zone 55 co-ordinates at PM77. Heights are to AHD vide Permanent Mark PM 56 (Cranbourne) RL 26.71 Bearing Datum is MGA2020 Zone 55 which has been derived by our GPSnet Survey.

#### Plane Grid Coordinates to MGA2020 Zone 55 Grid Coordinates

#### Conversion:

(PLANE SHIFT)	Add + 353,823.586 to Eastings
(APPLY SCALE FACTOR)	Add +5,780,840.520 to Northings
	Scale by 0.999846 at point PM77

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	SHEETS 010, 011, 301, 350, 401, & 402 UPDATED	30.08.22	C.D	M.F					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D	M.F					



Designed Date  
E. BARCHAM  
21.06.2022

Drawn  
N. TABUENA

Approved Date  
M. FELICIANO  
28.07.2022

PS Number  
PS902136V



Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY

Drawing Title  
COVER SHEET

Sheet 01 of 18

Scale

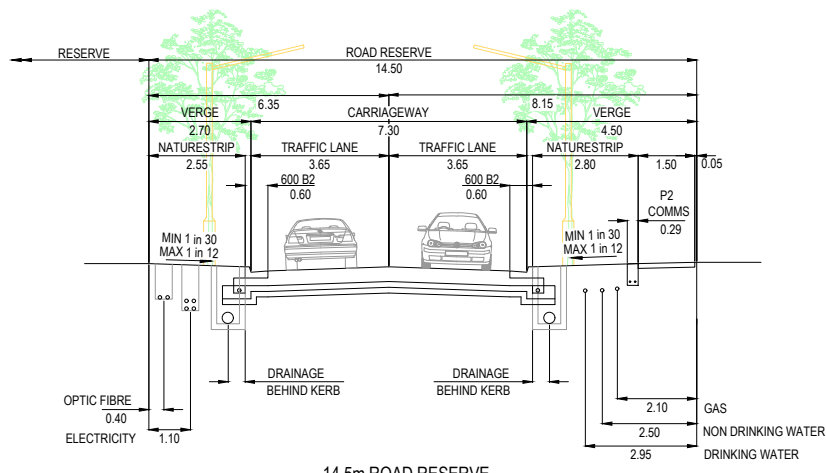
Project Ref  
1801767

Stage No  
37

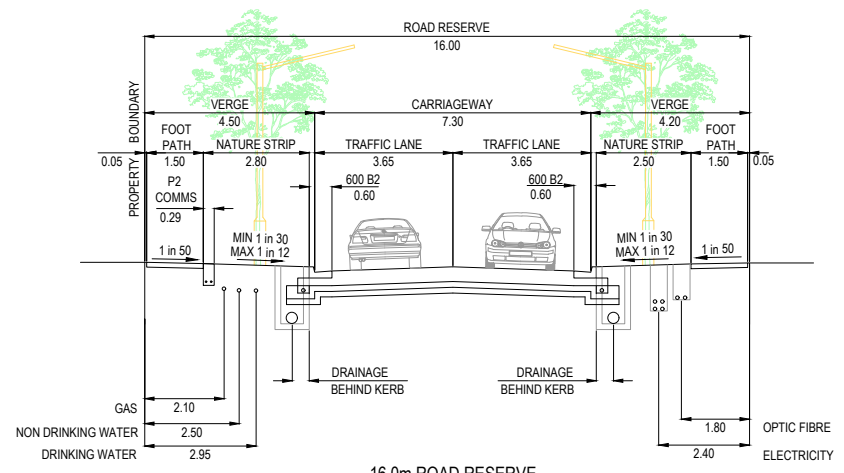
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001

Rev  
B

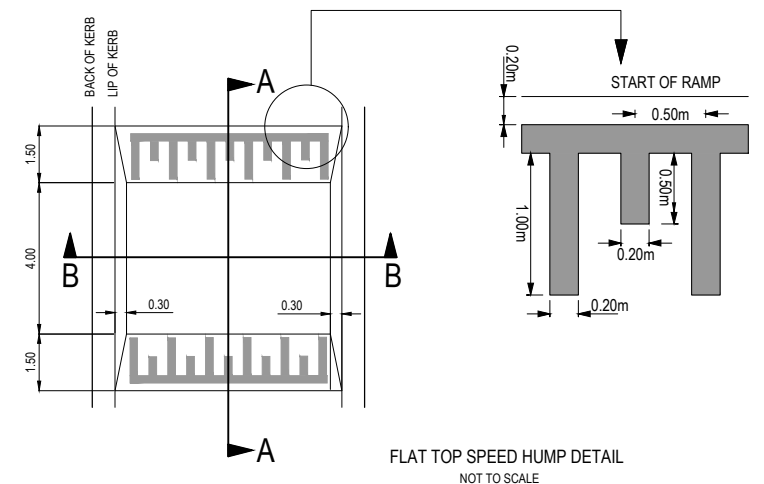




14.5m ROAD RESERVE  
CARORA CIRCUIT (LOTS 3701 - 3711),  
SALERS ROAD (RESERVE) & BERRENDA STREET (E-W)  
SCALE 1:100



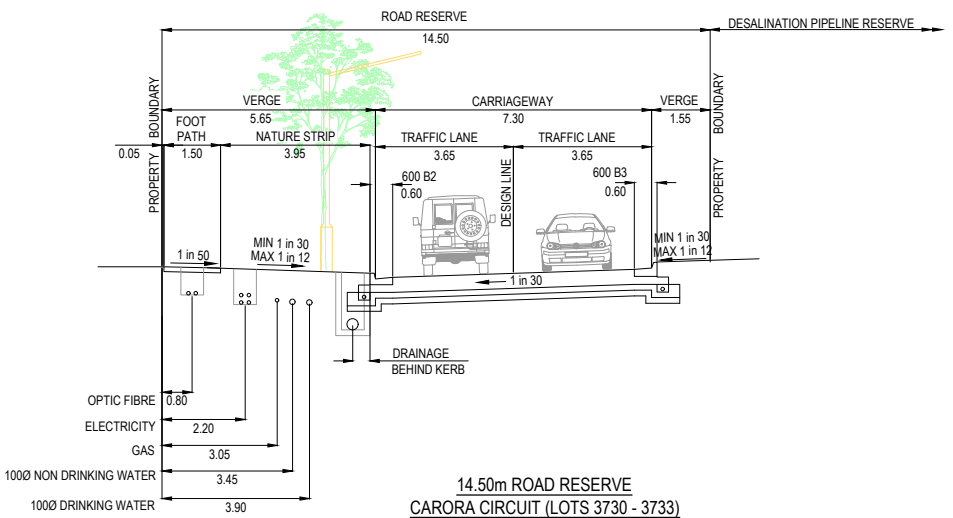
16.0m ROAD RESERVE  
SALERS ROAD (LOTS 3712 - 3713)  
SCALE 1:100



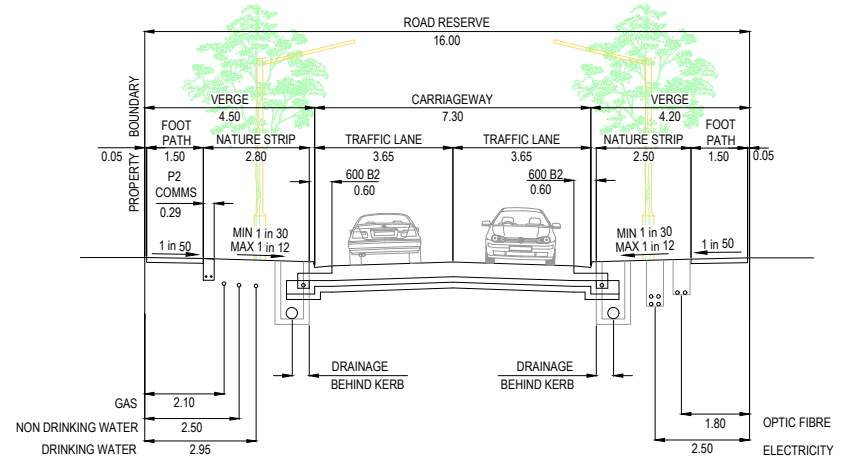
FLAT TOP SPEED HUMP DETAIL  
NOT TO SCALE

TOP OF SPEED HUMP TO HAVE RED COLOURED SKID RESISTANT COATING APPLIED (OMNIGRIP CST OR AN APPROVED EQUIVALENT).

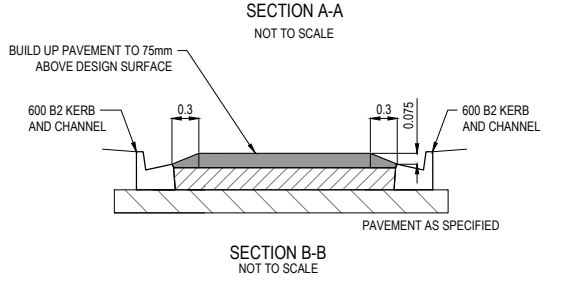
SECTION A-A  
NOT TO SCALE



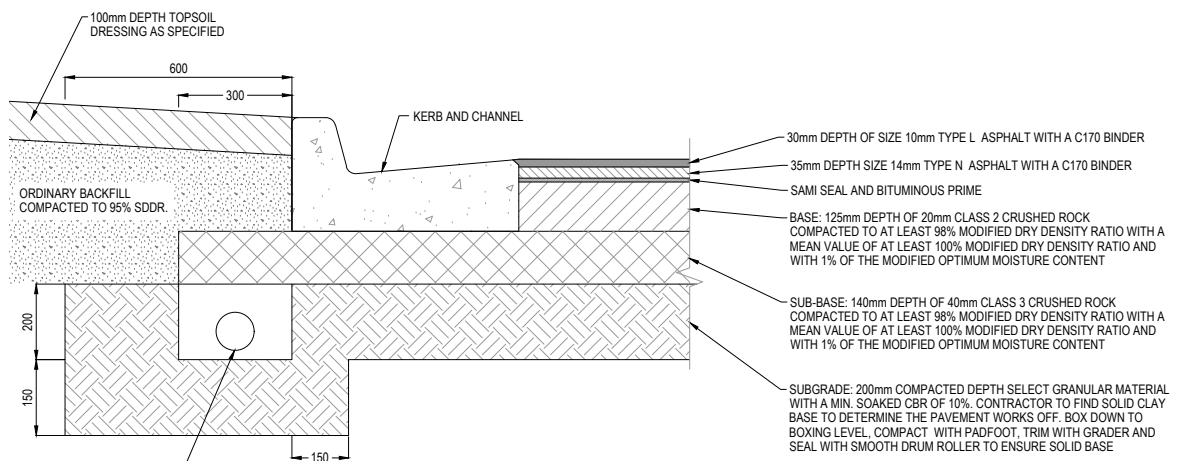
14.50m ROAD RESERVE  
CARORA CIRCUIT (LOTS 3730 - 3733)  
SCALE 1:100



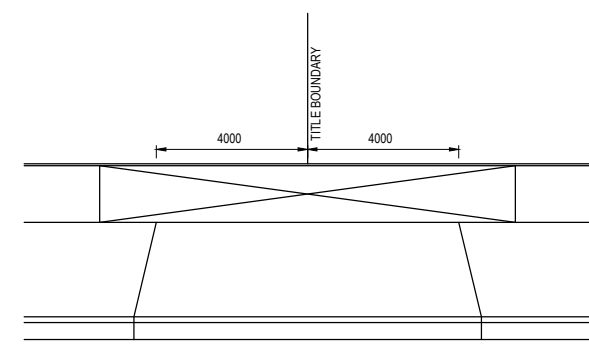
16.0m ROAD RESERVE  
MUTURU STREET  
SCALE 1:100



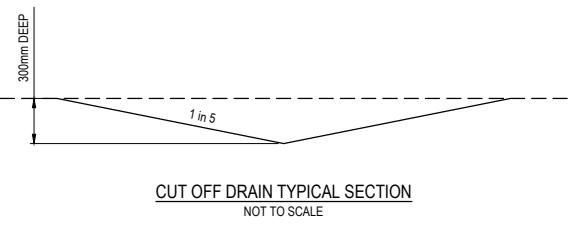
SECTION B-B  
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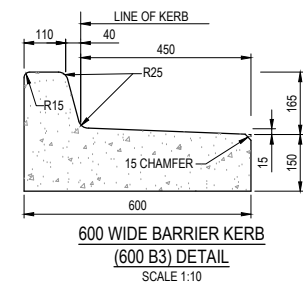
PAVEMENT COMPOSITION  
CARORA CIRCUIT, SALERS ROAD, MUTURU STREET & BERRENDA STREET  
530mm DEPTH  
N.T.S.  
REFER STANDARD DRAWING EDM 202 FOR DETAILS.



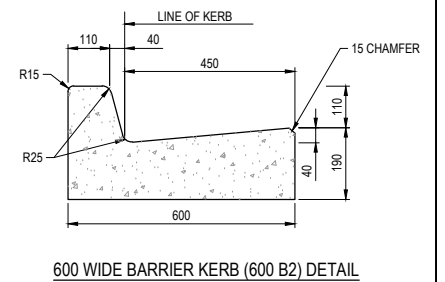
NOTES  
1. REFER TO EDM 502 FOR FURTHER DETAILS  
8.0m DOUBLE VEHICLE CROSSING DETAIL  
NOT TO SCALE



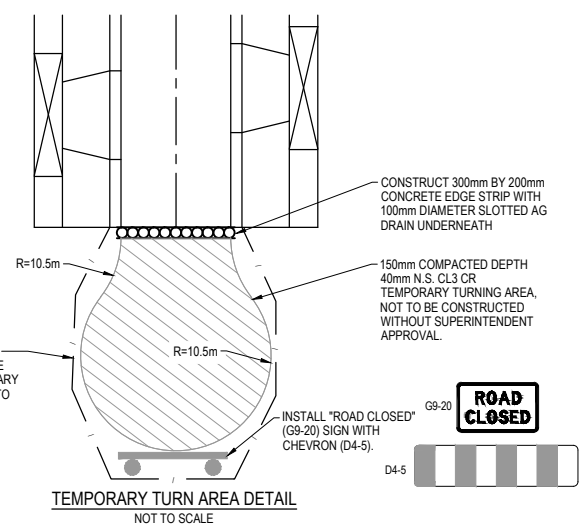
CUT OFF DRAIN TYPICAL SECTION  
NOT TO SCALE



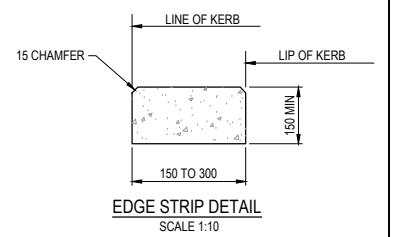
600 WIDE BARRIER KERB  
(600 B3) DETAIL  
SCALE 1:10



600 WIDE BARRIER KERB (600 B2) DETAIL  
SCALE 1:10



TEMPORARY TURN AREA DETAIL  
NOT TO SCALE



EDGE STRIP DETAIL  
SCALE 1:10

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					

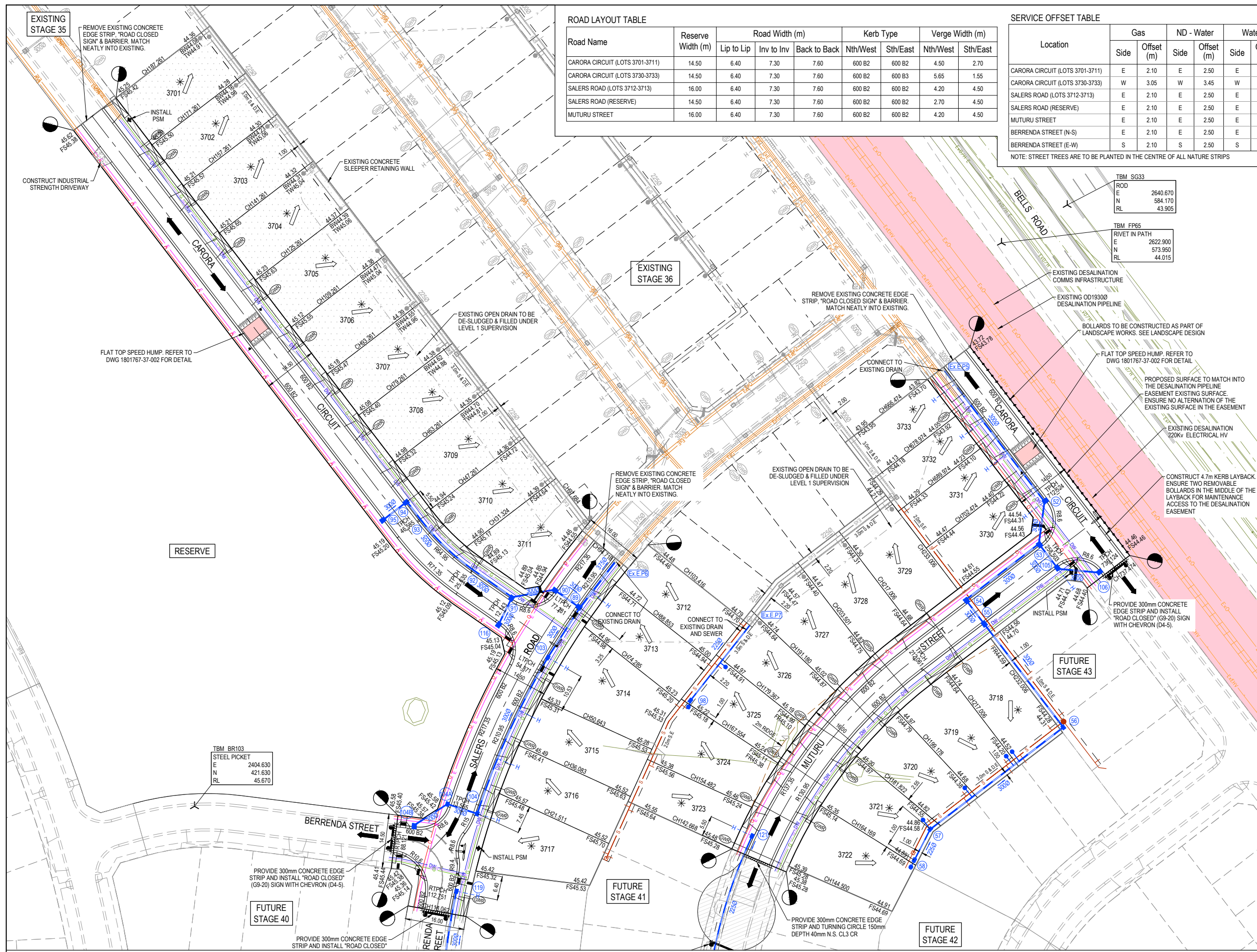


Designed Date: E. BARCHAM 21.06.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 28.07.2022  
PS Number: PS902136V



Project Details: MERIDIAN CENTRAL ESTATE STAGE 37 CITY OF CASEY  
Drawing Title: TYPICAL ROAD CROSS SECTIONS, PAVEMENT MAKE UP AND TYPICAL DETAILS

Sheet 02 of 18
Scale: AS SHOWN
Project Ref: 1801767
Stage No: 37
Drawing No: 002
Rev: A



**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
CARORA CIRCUIT (LOTS 3701-3711)	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
CARORA CIRCUIT (LOTS 3730-3733)	14.50	6.40	7.30	7.60	600 B2	600 B3	5.65	1.55
SALERS ROAD (LOTS 3712-3713)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
SALERS ROAD (RESERVE)	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.50
MUTURU STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50

**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)
CARORA CIRCUIT (LOTS 3701-3711)	E	2.10	E	2.50	E	2.95	W	1.10	W	0.40	-	-
CARORA CIRCUIT (LOTS 3730-3733)	W	3.05	W	3.45	W	3.90	W	2.20	W	0.80	-	-
SALERS ROAD (LOTS 3712-3713)	E	2.10	E	2.50	E	2.95	W	2.40	W	1.80	-	-
SALERS ROAD (RESERVE)	E	2.10	E	2.50	E	2.95	W	1.10	W	0.40	-	-
MUTURU STREET	E	2.10	E	2.50	E	2.95	W	2.50	W	1.80	-	-
BERRENDA STREET (N-S)	E	2.10	E	2.50	E	2.95	W	2.60	W	1.80	-	-
BERRENDA STREET (E-W)	S	2.10	S	2.50	S	2.95	N	1.10	N	0.40	-	-

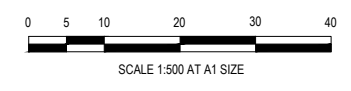
NOTE: STREET TREES ARE TO BE PLANTED IN THE CENTRE OF ALL NATURE STRIPS

**LEGEND - LAYOUT PLAN**

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

**WARNING! (NO GO ZONE)**  
 NO WORKS TO BE COMMENCED WITHIN THE EXISTING DESALINATION EASEMENT OR OVER THE EXISTING 220KV HV ELEC, 19000 DESAL PIPELINE & OPTIC CABLE WITHOUT PRIOR WRITTEN APPROVAL FROM DELWP AND ASNSET.

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



**ISSUED FOR CONSTRUCTION**

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	PIT 103 MOVED AND PRAM CROSSINGS AMENDED	30.08.22	C.D.	M.F.					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					

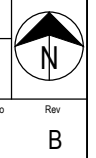


Designed By: E. BARCHAM  
 Date: 21.06.2022  
 Drawn By: N. TABUENA  
 Approved By: M. FELICIANO  
 Date: 28.07.2022  
 PS Number: PS902136V



Project Name: MERIDIAN CENTRAL ESTATE  
 STAGE 37  
 CITY OF CASEY  
 Drawing Title: LAYOUT PLAN (SHEET 1 OF 2)

Sheet 03 of 18  
 Scale: 1:500 @ A1  
 Project Ref: 1801767  
 Stage No: 37  
 Drawing No: 010  
 Rev: B



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ROAD LAYOUT TABLE

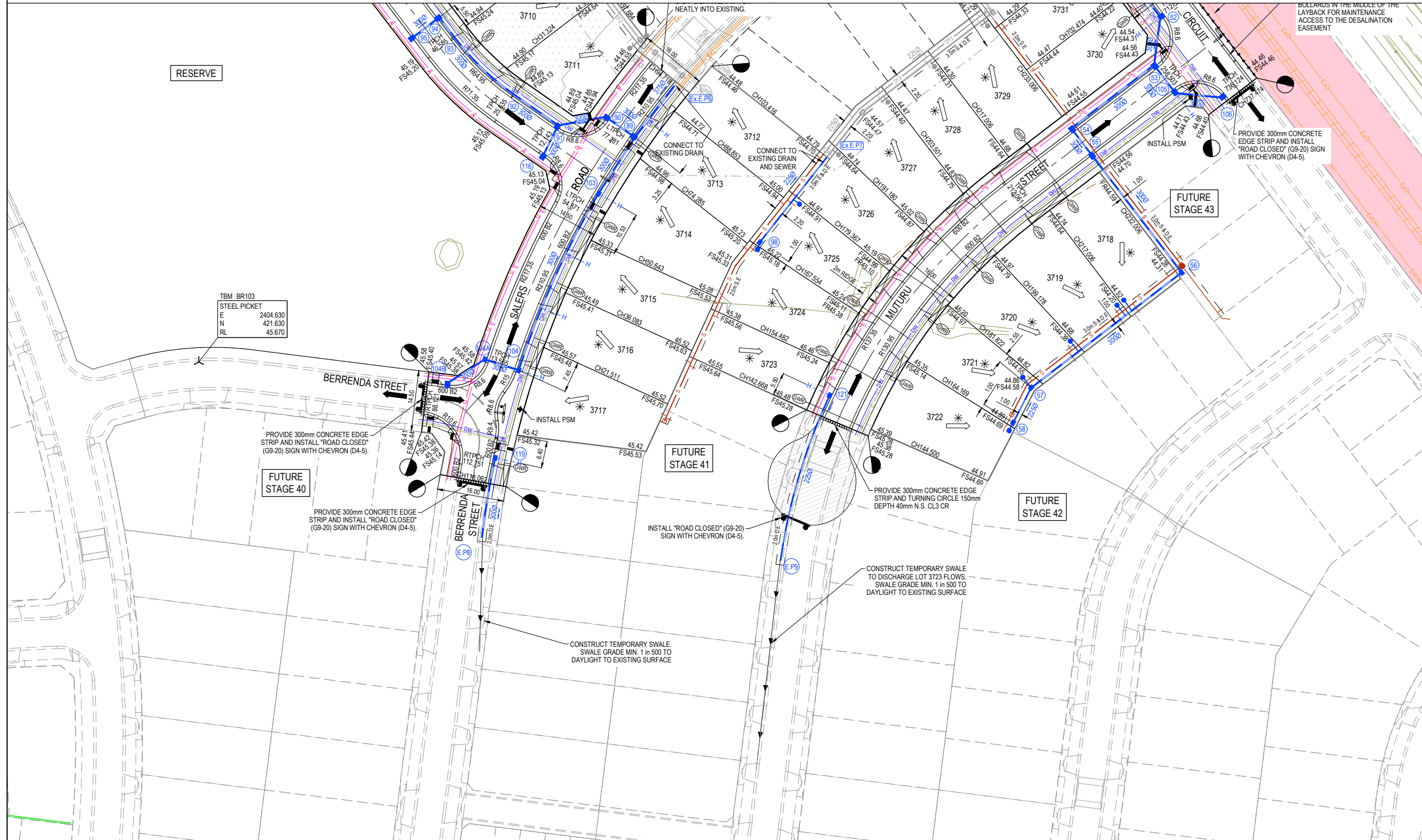
Road Name	Reserve Width (m)	Road Width (m)			Kerb Type		Verge Width (m)	
		Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East
CARORA CIRCUIT (LOTS 3701-3711)	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
CARORA CIRCUIT (LOTS 3730-3733)	14.50	6.40	7.30	7.60	600 B2	600 B3	5.65	1.55
SALERS ROAD (LOTS 3712-3713)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
SALERS ROAD (RESERVE)	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.50
MUTURU STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50

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)
CARORA CIRCUIT (LOTS 3701-3711)	E	2.10	E	2.50	E	2.95	W	1.10	W	0.40	-	-
CARORA CIRCUIT (LOTS 3730-3733)	W	3.05	W	3.45	W	3.90	W	2.20	W	0.80	-	-
SALERS ROAD (LOTS 3712-3713)	E	2.10	E	2.50	E	2.95	W	2.40	W	1.80	-	-
SALERS ROAD (RESERVE)	E	2.10	E	2.50	E	2.95	W	1.10	W	0.40	-	-
MUTURU STREET	E	2.10	E	2.50	E	2.95	W	2.50	W	1.80	-	-
BERRENDA STREET (N-S)	E	2.10	E	2.50	E	2.95	W	2.60	W	1.80	-	-
BERRENDA STREET (E-W)	S	2.10	S	2.50	S	2.95	N	1.10	N	0.40	-	-

FOR CONTINUATION REFER TO 1801767-37-010

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

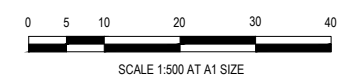


**LEGEND - LAYOUT PLAN**

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

**WARNING! (NO GO ZONE)**  
NO WORKS TO BE COMMENCED WITHIN THE EXISTING DESALINATION EASEMENT OR OVER THE EXISTING 220KV HV ELEC, 19000 DESAL PIPELINE & OPTIC CABLE WITHOUT PRIOR WRITTEN APPROVAL FROM DELWP AND AUSNET.

**WARNING**  
**BWARE OF UNDERGROUND SERVICES**  
The locations of underground services are approximate only and their exact position should be proven on site. No guarantee is given that all existing services are shown. Locate all underground services before commencement of works.  
**DIAL 1100 BEFORE YOU DIG**  
www.1100.com.au



**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	PIT 103 MOVED AND PRAM CROSSINGS AMENDED	30.08.22	C.D.	M.F.					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed Date  
E. BARCHAM  
21.06.2022

Drawn  
N. TABUENA

Approved Date  
M. FELICIANO  
28.07.2022

PS Number  
PS902136V



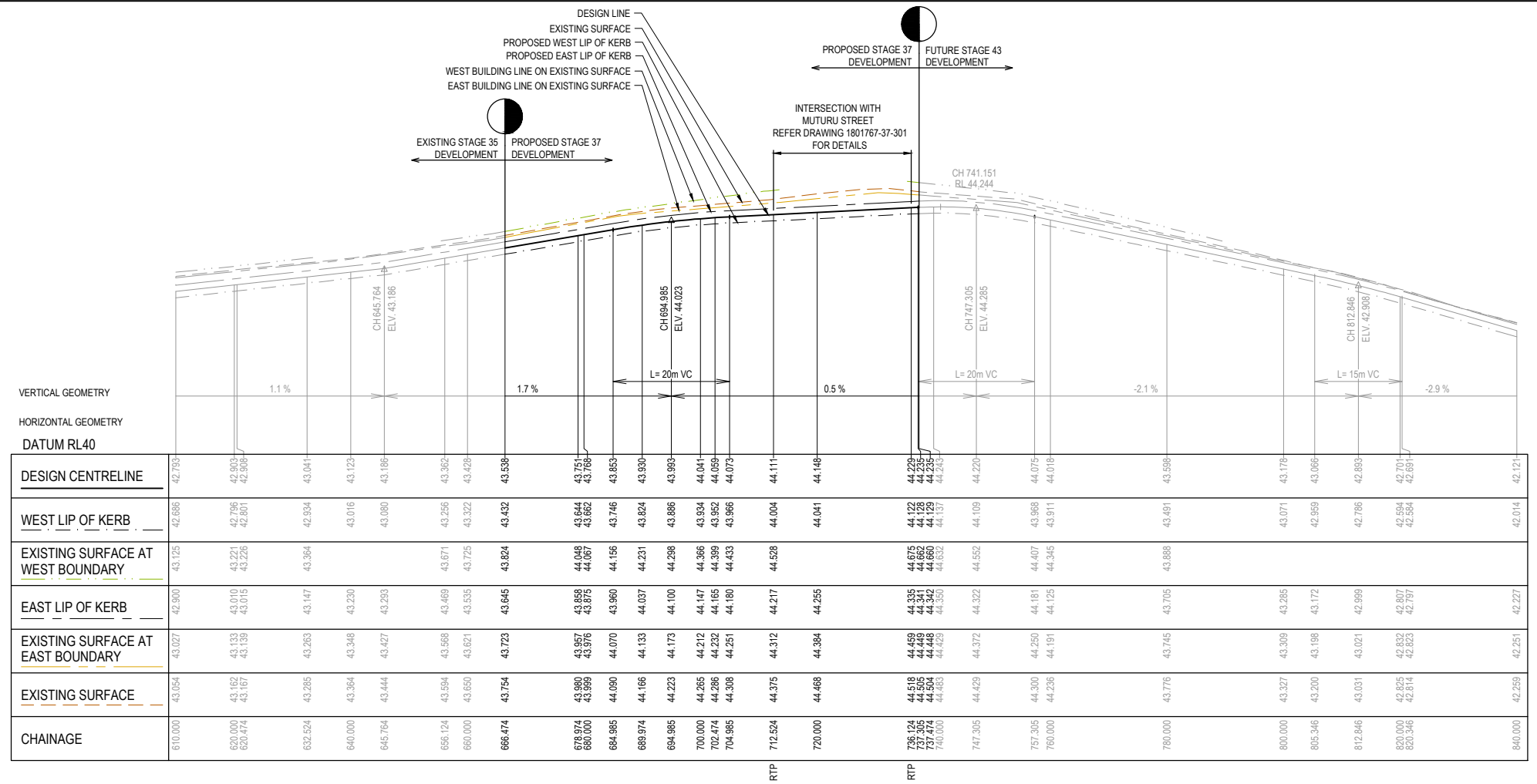
Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY

Drawing Title  
LAYOUT PLAN  
(SHEET 2 OF 2)

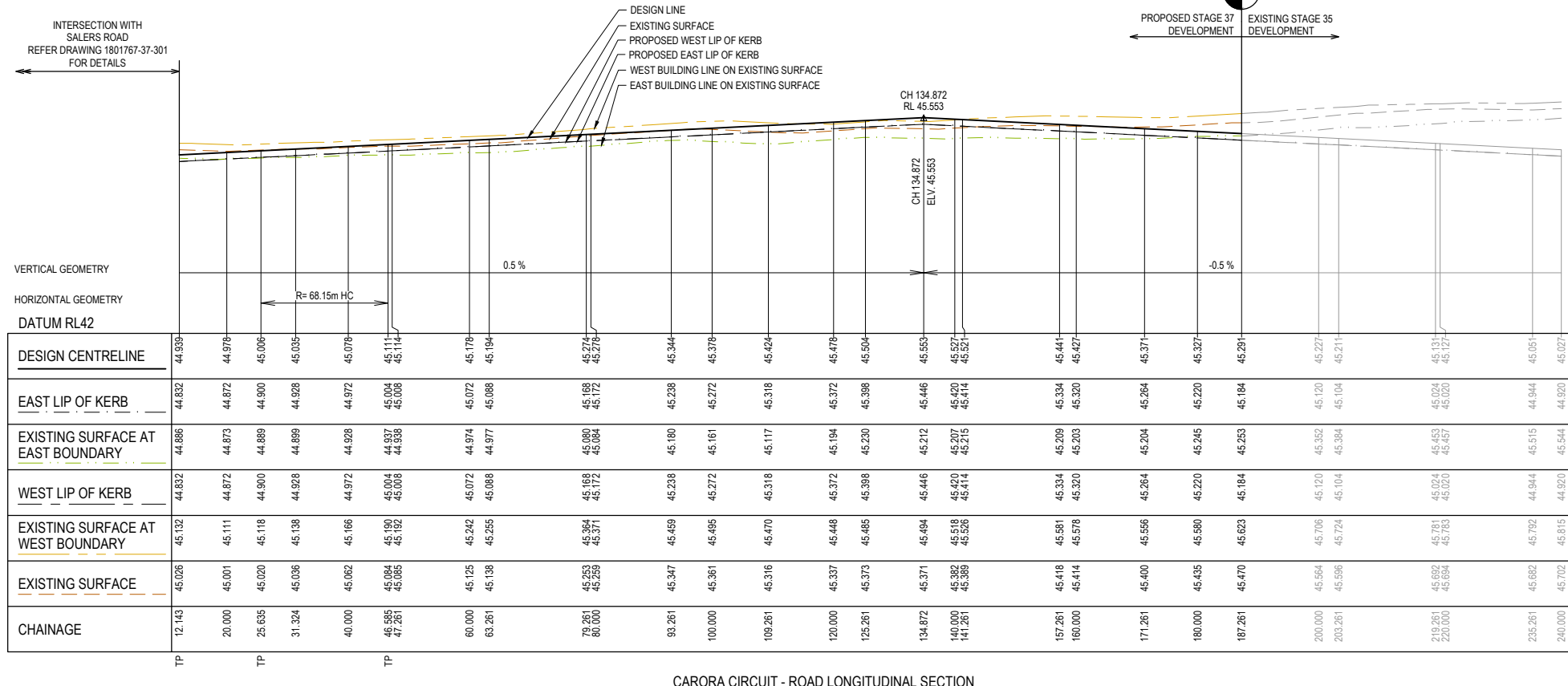
Sheet 04 of 18

Scale  
1:500 @ A1

Project Ref	Stage No	Drawing No	Rev
1801767	37	011	B



RTP  
RTP  
CARORA CIRCUIT - ROAD LONGITUDINAL SECTION



CARORA CIRCUIT - ROAD LONGITUDINAL SECTION

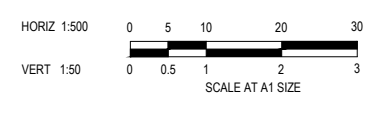
LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT SOUTH / WEST BOUNDARY
	SOUTH / WEST LIP OF KERB
	EXISTING SURFACE AT NORTH / EAST BOUNDARY
	NORTH / EAST LIP OF KERB

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	CD	MF					

**BROWN** PROPERTY GROUP

**M** MERIDIAN CENTRAL



Designed Date: E. BARCHAM 21.06.2022

Drawn: N. TABUENA

Approved Date: M. FELICIANO 28.07.2022

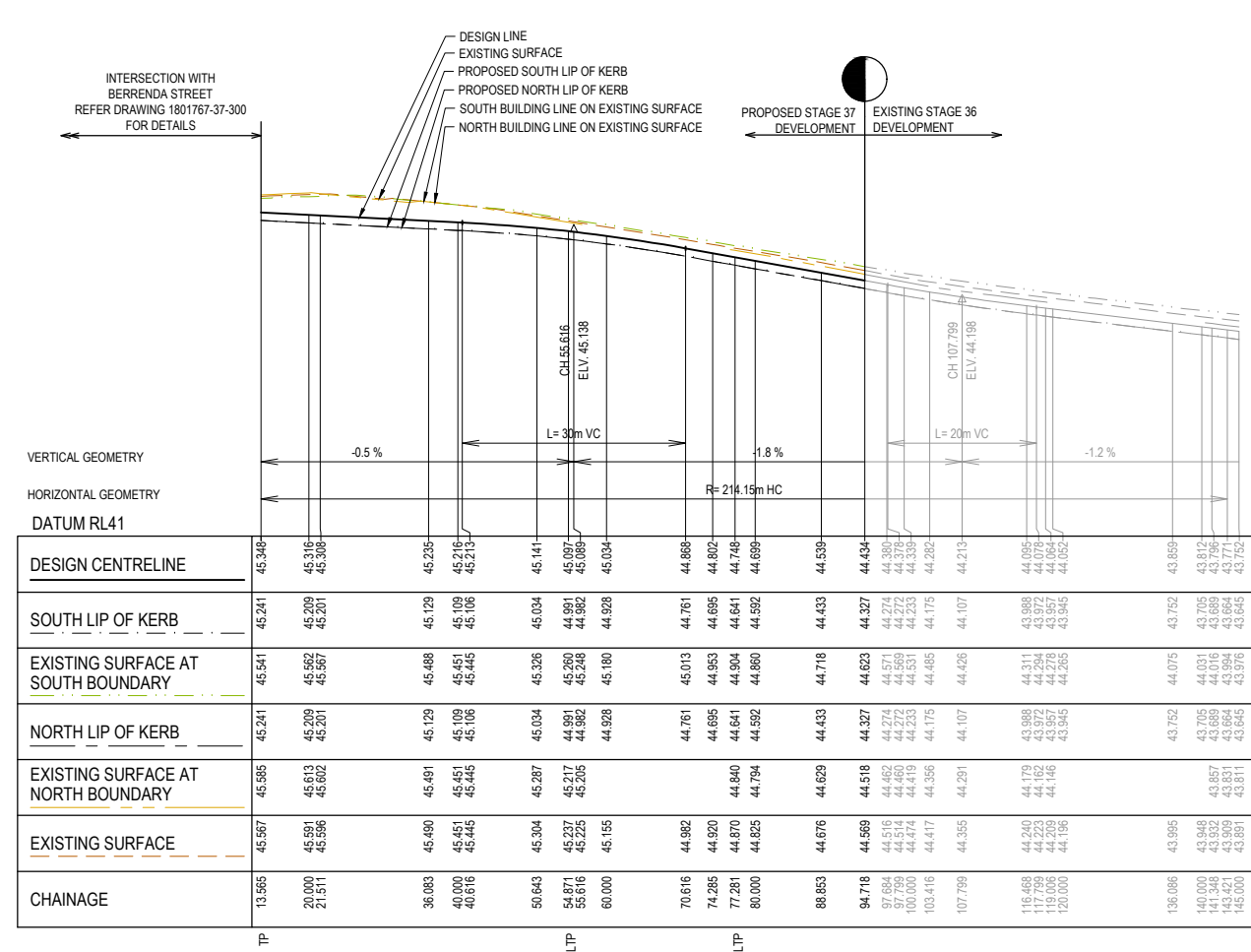
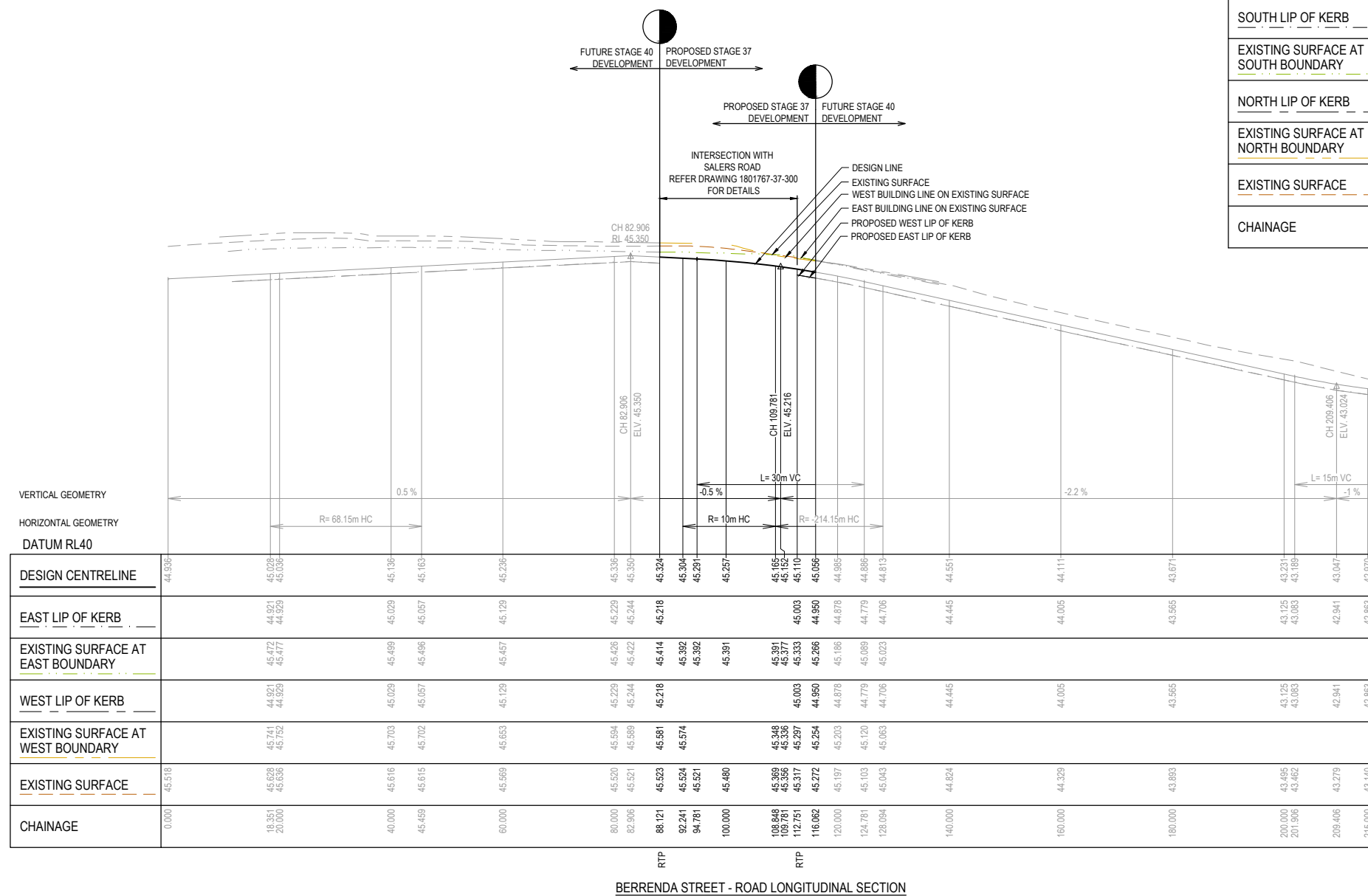
PS Number: PS902136V

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

Project Details	MERIDIAN CENTRAL ESTATE STAGE 37 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS CARORA CIRCUIT

Sheet 05 of 18			
Scale: 1:500 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1801767	37	100	A

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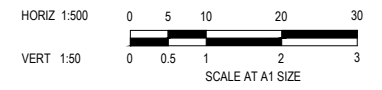


**LEGEND**

- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- EXISTING SURFACE AT SOUTH / WEST BOUNDARY
- SOUTH / WEST LIP OF KERB
- EXISTING SURFACE AT NORTH / EAST BOUNDARY
- NORTH / EAST LIP OF KERB

**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	CD	MF					



Designed by: E. BARCHAM  
 Date: 21.06.2022  
 Drawn by: N. TABUENA  
 Approved by: M. FELICIANO  
 Date: 28.07.2022  
 PS Number: PS902136V

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

Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 37  
 CITY OF CASEY

Drawing Title: ROAD LONGITUDINAL SECTIONS  
 SALERS ROAD AND BERRENDA STREET

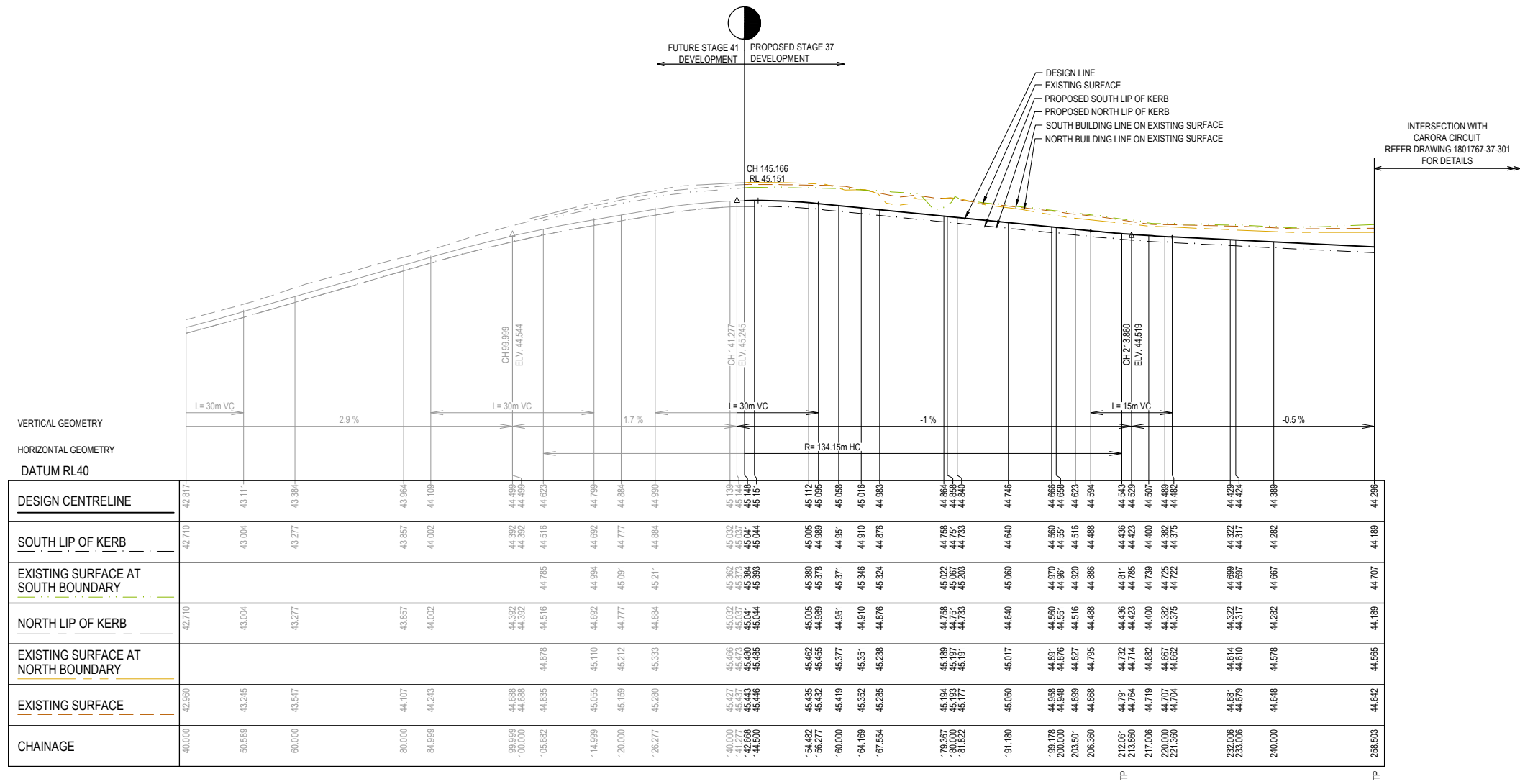
Sheet 06 of 18

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

Project Ref: 1801767  
 Stage No: 37  
 Drawing No: 101  
 Rev: A

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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT SOUTH / WEST BOUNDARY
	SOUTH / WEST LIP OF KERB
	EXISTING SURFACE AT NORTH / EAST BOUNDARY
	NORTH / EAST LIP OF KERB

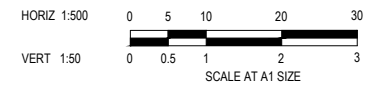


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DESIGN CENTRELINE	42.710	43.111	43.384	43.857	44.109	44.392	44.516	44.623	44.739	44.884	44.990	45.139	45.134	45.148	45.151	45.112	45.095	45.058	45.016	44.983	44.746	44.686	44.688	44.551	44.520	44.516	44.488	44.594	44.513	44.529	44.400	44.507	44.462	44.429	44.424	44.389	44.296	
SOUTH LIP OF KERB	42.710	43.004	43.277	43.857	44.002	44.392	44.516	44.623	44.739	44.884	44.990	45.092	45.071	45.037	45.041	45.005	44.989	44.951	44.910	44.876	44.640	44.590	44.581	44.551	44.520	44.516	44.488	44.594	44.513	44.529	44.400	44.507	44.462	44.429	44.424	44.389	44.296	
EXISTING SURFACE AT SOUTH BOUNDARY												45.069	45.037	45.037	45.041	45.005	44.989	44.951	44.910	44.876	44.640	44.590	44.581	44.551	44.520	44.516	44.488	44.594	44.513	44.529	44.400	44.507	44.462	44.429	44.424	44.389	44.296	
NORTH LIP OF KERB	42.710	43.004	43.277	43.857	44.002	44.392	44.516	44.623	44.739	44.884	44.990	45.092	45.071	45.037	45.041	45.005	44.989	44.951	44.910	44.876	44.640	44.590	44.581	44.551	44.520	44.516	44.488	44.594	44.513	44.529	44.400	44.507	44.462	44.429	44.424	44.389	44.296	
EXISTING SURFACE AT NORTH BOUNDARY												45.065	45.037	45.037	45.041	45.005	44.989	44.951	44.910	44.876	44.640	44.590	44.581	44.551	44.520	44.516	44.488	44.594	44.513	44.529	44.400	44.507	44.462	44.429	44.424	44.389	44.296	
EXISTING SURFACE	42.860	43.245	43.547	44.107	44.243	44.688	44.835	44.878	45.065	45.110	45.212	45.280	45.287	45.271	45.271	45.432	45.419	45.377	45.351	45.238	45.017	44.588	44.568	44.548	44.527	44.516	44.516	44.488	44.594	44.513	44.529	44.400	44.507	44.462	44.429	44.424	44.389	44.296
CHAINAGE	40.000	50.589	60.000	80.000	84.998	99.999	100.000	105.682	114.999	120.000	125.277	140.000	141.277	142.668	144.500	154.482	156.277	160.000	164.189	167.554	179.367	180.000	181.822	191.180	198.178	200.000	203.501	206.360	210.951	213.860	217.006	220.000	221.360	233.006	233.006	240.000	258.503	

MUTURU STREET - ROAD LONGITUDINAL SECTION

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.	



Designed Date  
E. BARCHAM  
21.06.2022

Drawn  
N. TABUENA

Approved Date  
M. FELICIANO  
28.07.2022

PS Number  
PS902136V

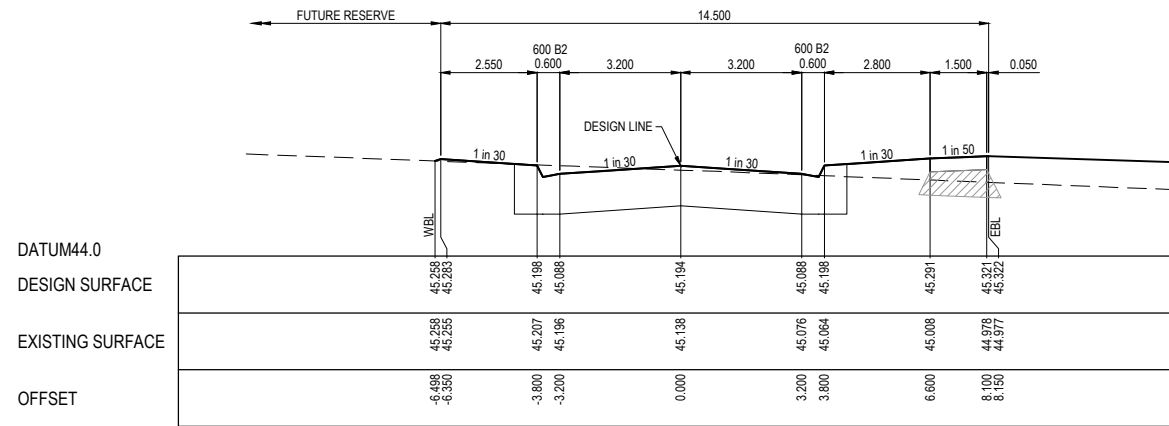
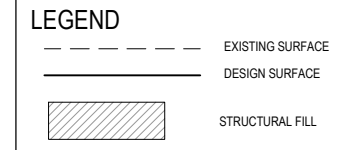


Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY

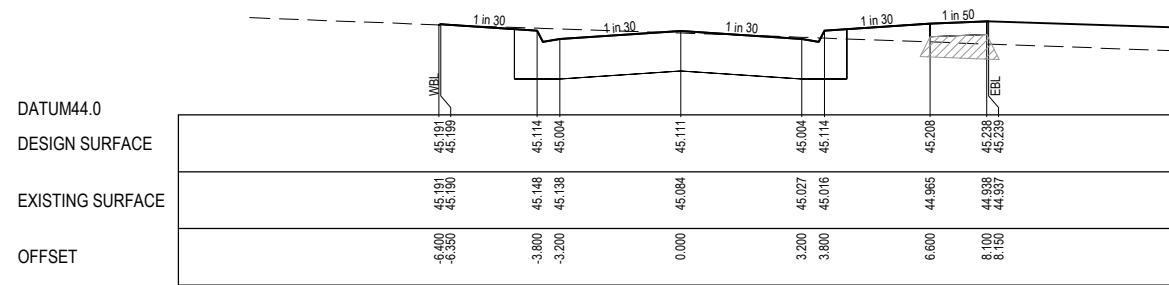
Drawing Title  
ROAD LONGITUDINAL SECTIONS  
MUTURU STREET

Sheet 07 of 18			
Scale 1:500 H 1:50 V @ A1			
Project Ref	Stage No	Drawing No	Rev
1801767	37	102	A

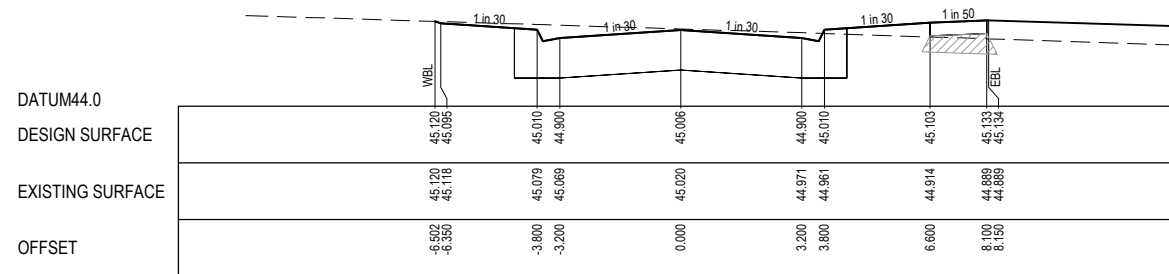
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



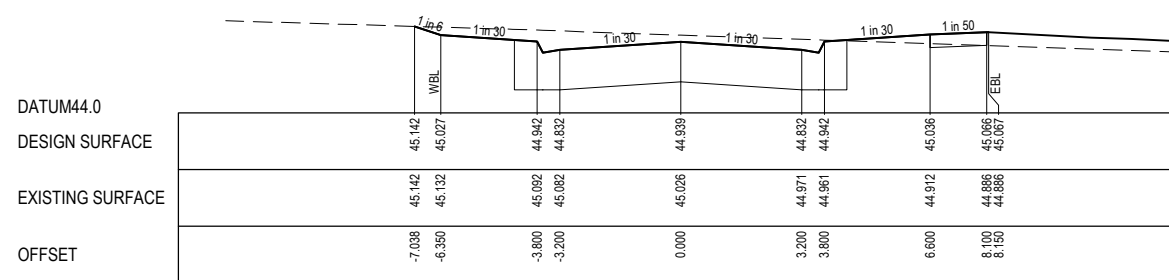
CH 63.261



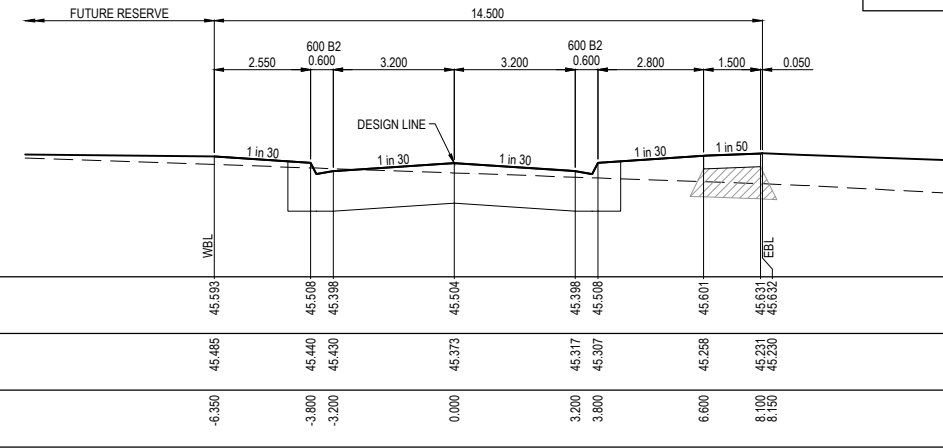
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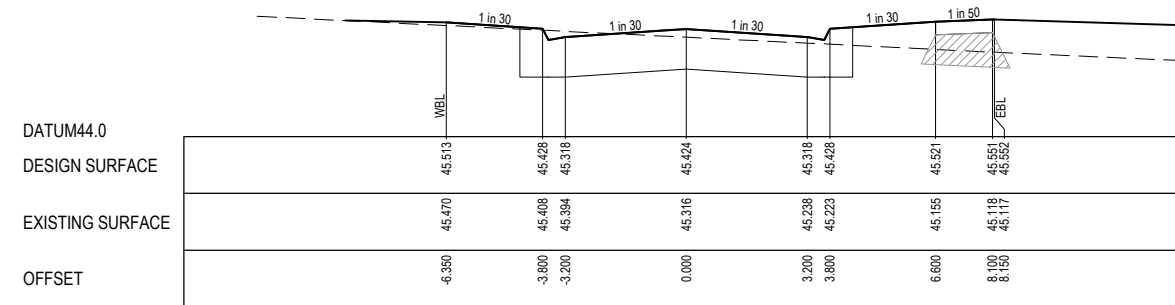
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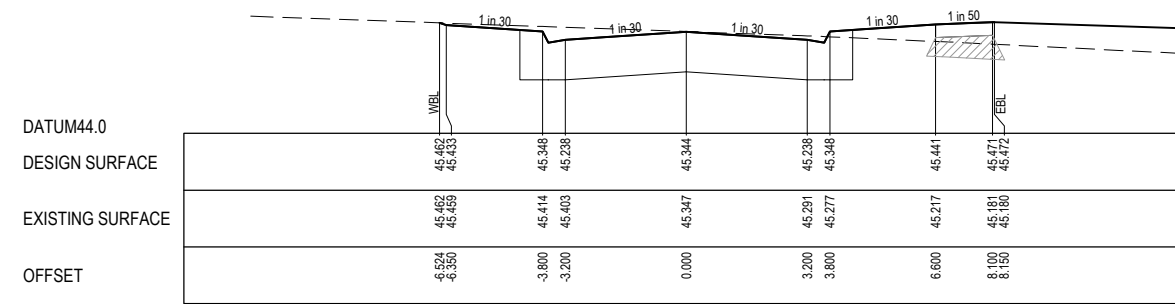
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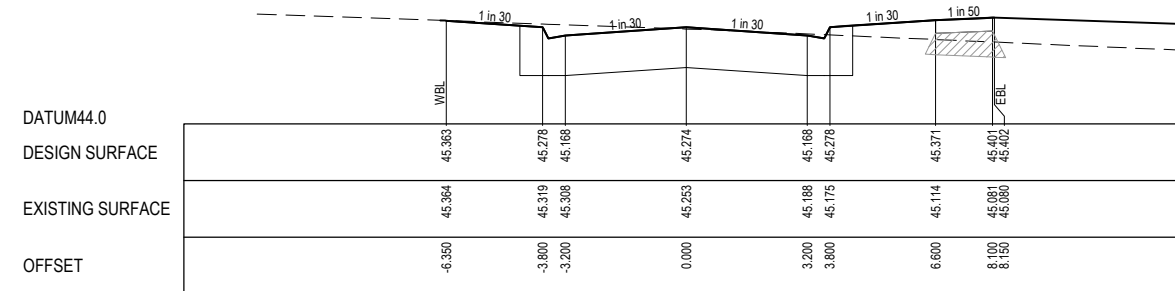
CH 125.261



CH 109.261



CH 93.261

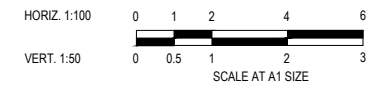


CH 79.261

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed Date: 21.06.2022  
Drawn: N. TABUENA  
Approved Date: 28.07.2022  
PS Number: PS902136V



Project Details: MERIDIAN CENTRAL ESTATE STAGE 37 CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS CARORA CIRCUIT (SHEET 1 OF 2)

Sheet 08 of 18  
Scale: 1:100 H 1:50 V @ A1  
Project Ref: 1801767 Stage No: 37 Drawing No: 200 Rev: A

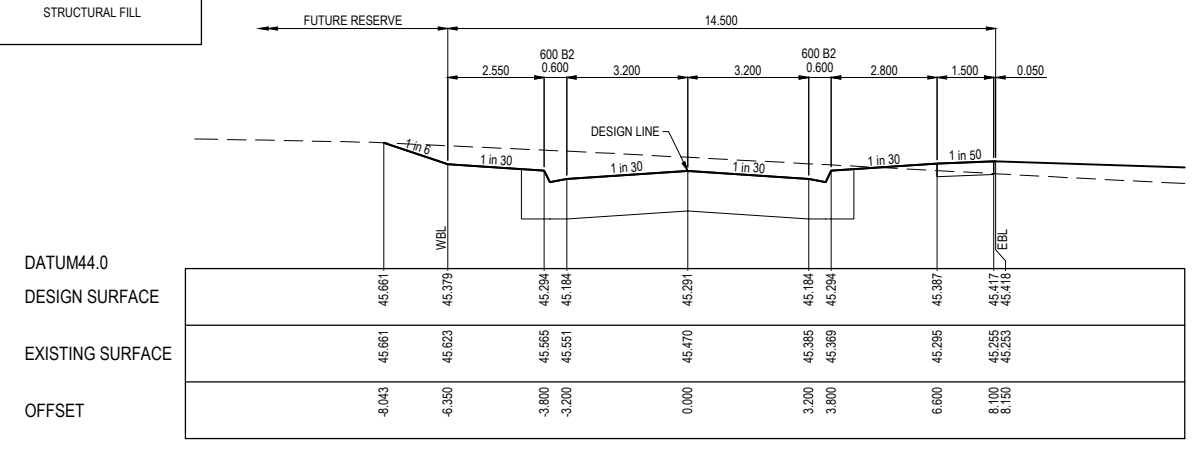
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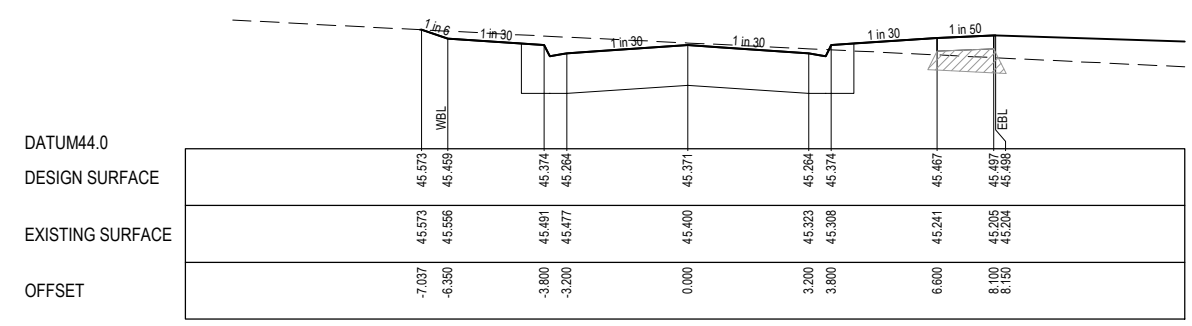
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	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

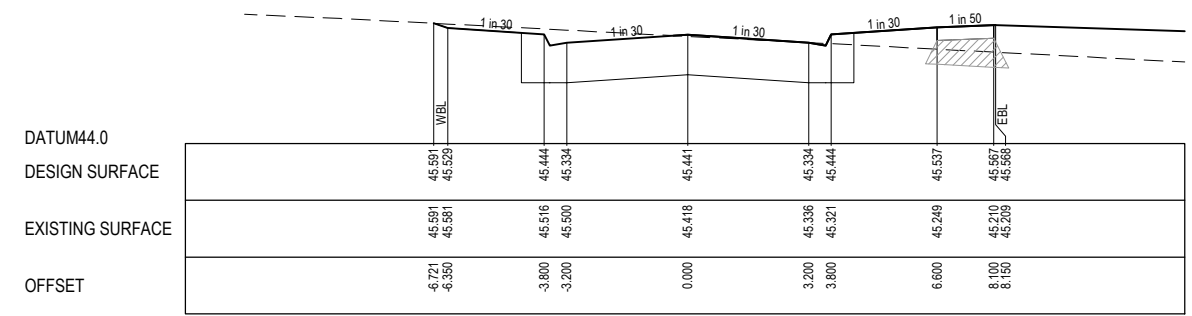
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



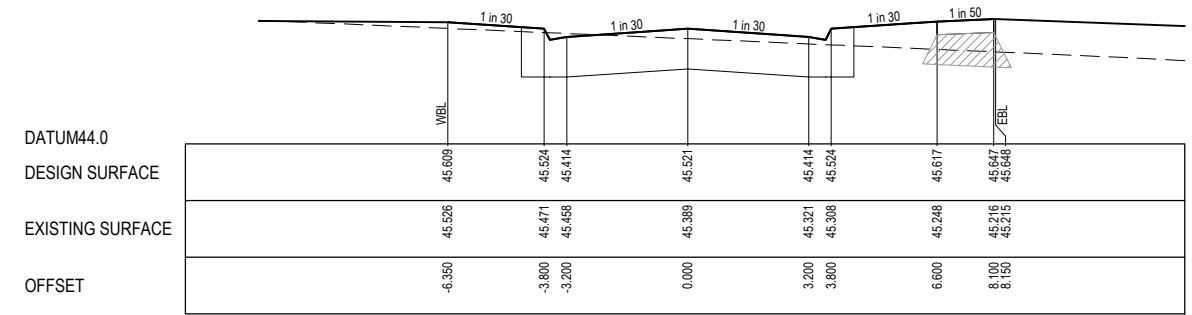
CH 187.261



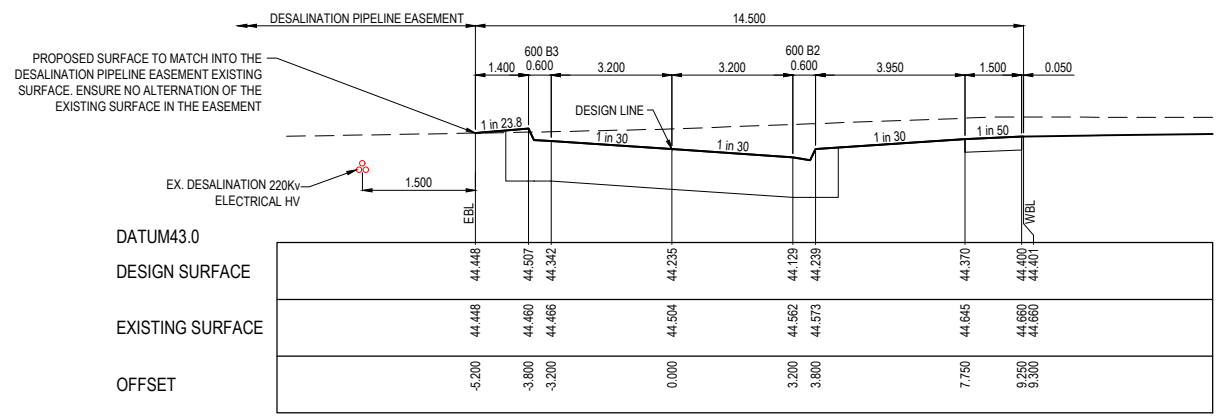
CH 171.261



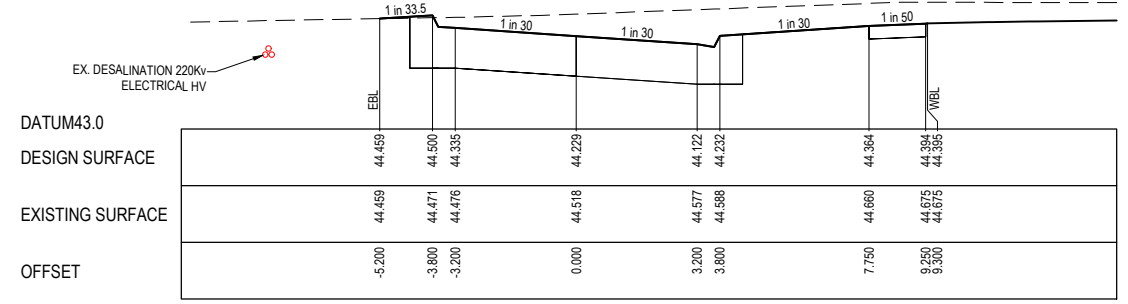
CH 157.261



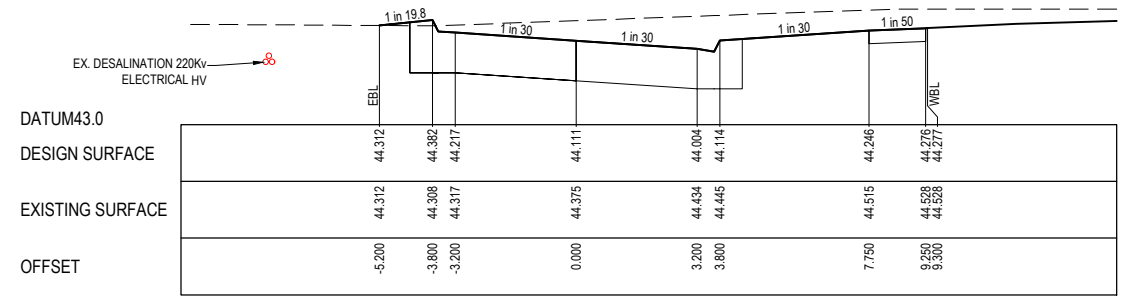
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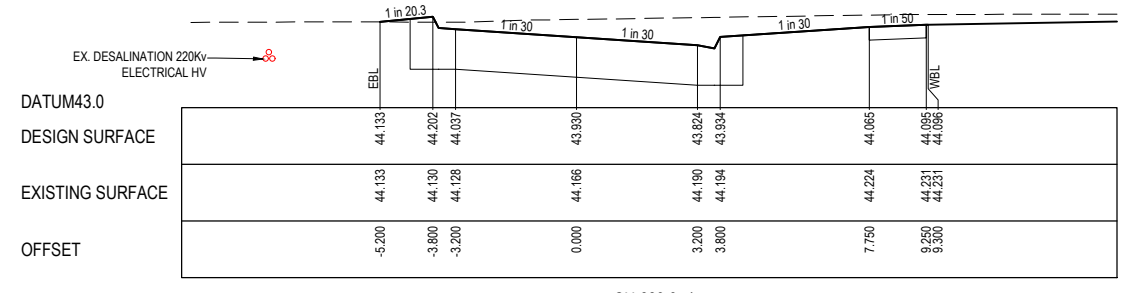
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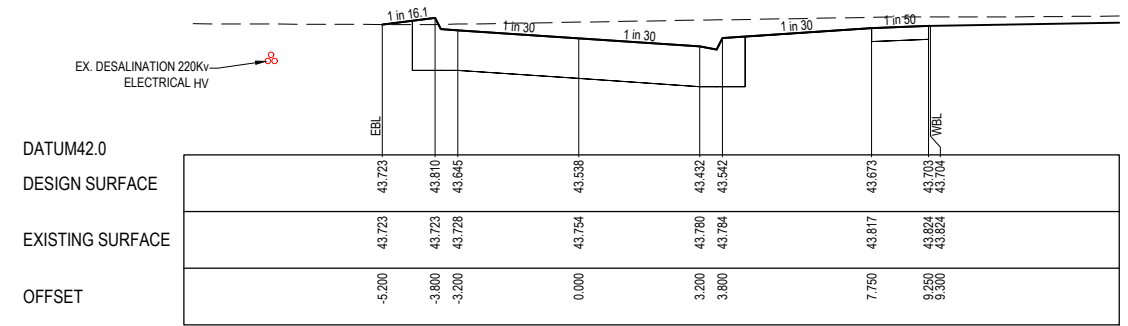
RTPCH 736.124



RTPCH 712.524



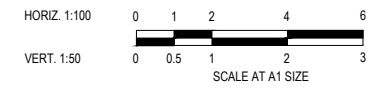
CH 689.974



CH 666.474

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed Date: E. BARCHAM 21.06.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 28.07.2022  
PS Number: PS902136V

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

Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY

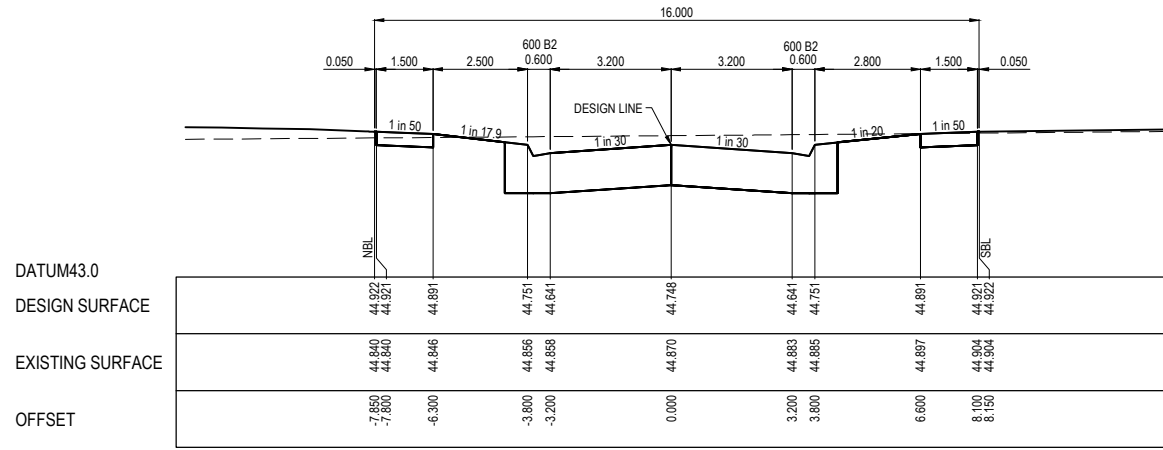
Drawing Title: ROAD CROSS SECTIONS  
CARORA CIRCUIT  
(SHEET 2 OF 2)

Sheet 09 of 18	
Scale: 1:100 H 1:50 V @ A1	
Project Ref: 1801767	Stage No: 37
Drawing No: 201	Rev: A

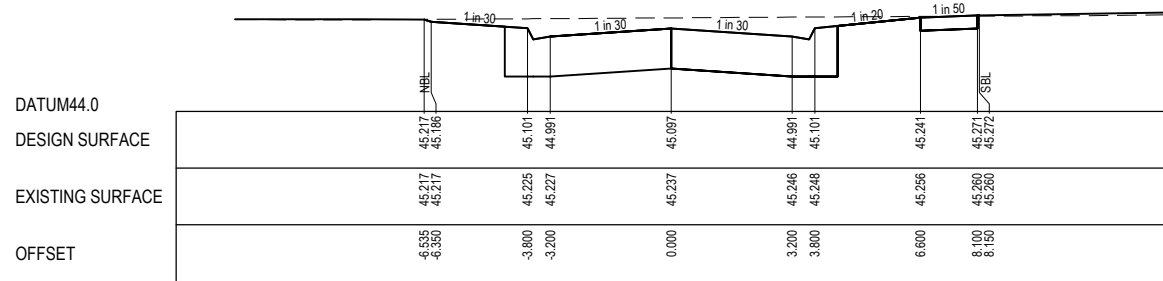
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

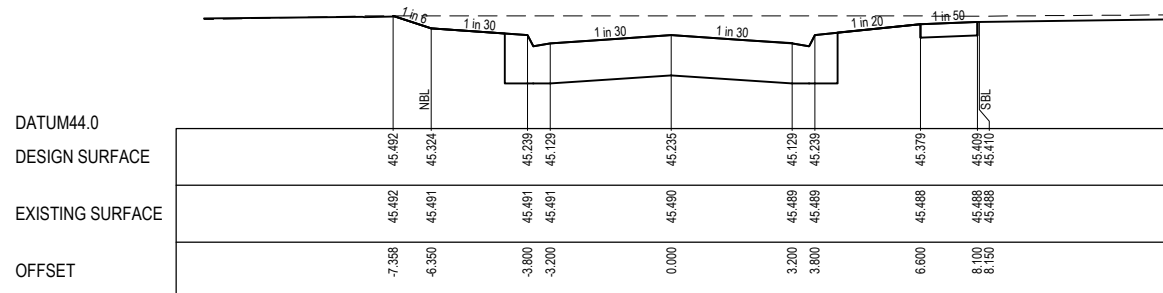
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL



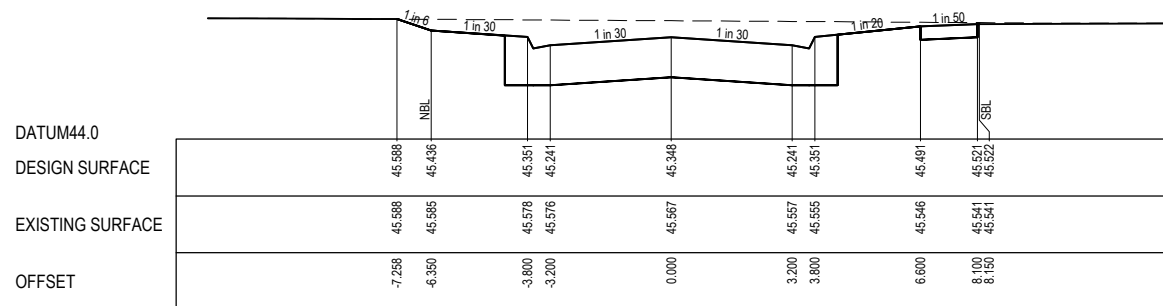
LTPCH 77.281



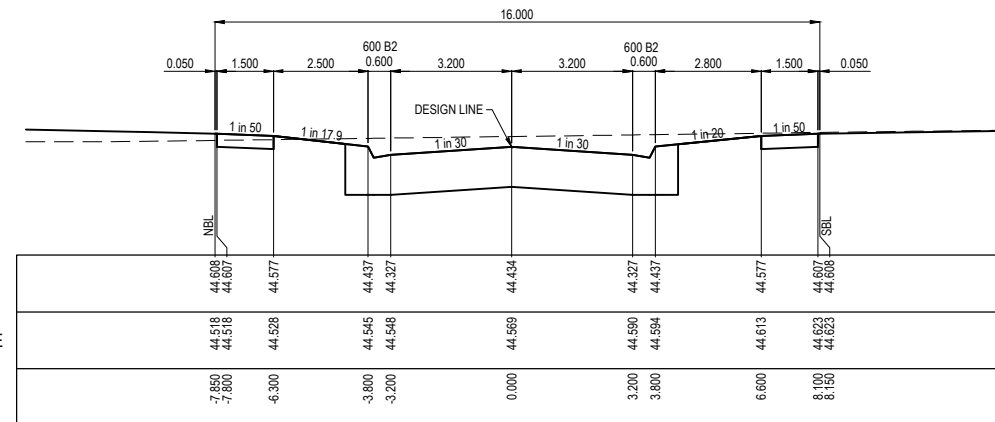
LTPCH 54.871



CH 36.083



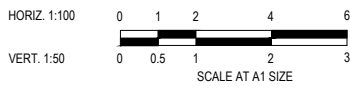
TPCH 13.565



CH 94.718

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed Date: E. BARCHAM 21.06.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 28.07.2022  
PS Number: PS902136V

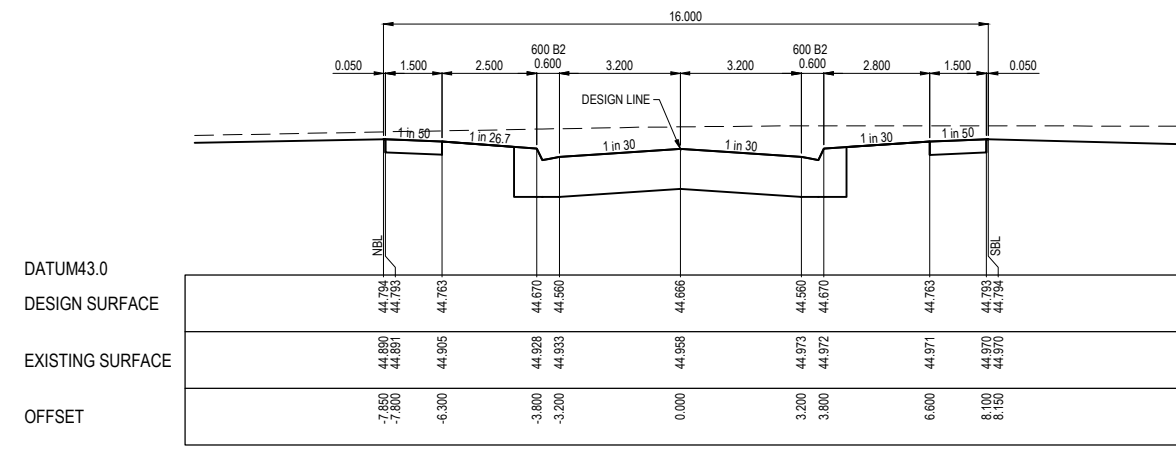
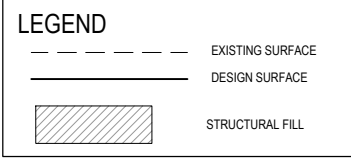


Project Details: MERIDIAN CENTRAL ESTATE STAGE 37 CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS SALERS ROAD

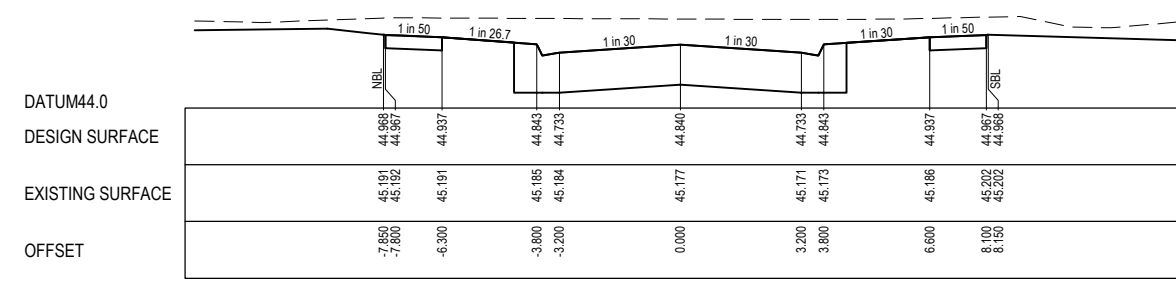
Sheet 10 of 18		
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		Rev: A

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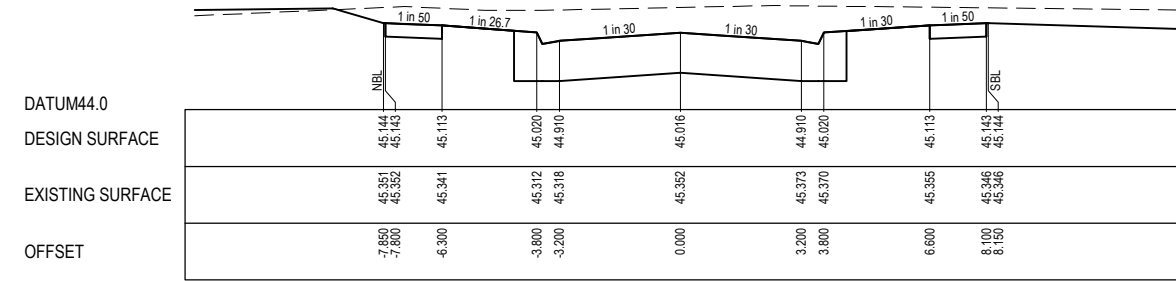
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



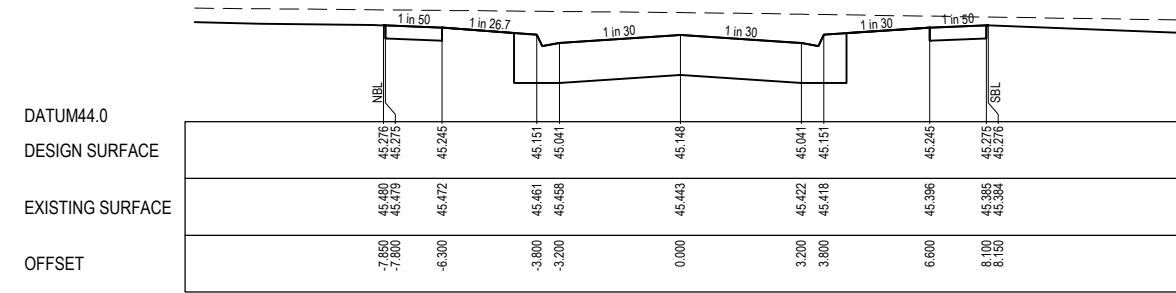
CH 199.178



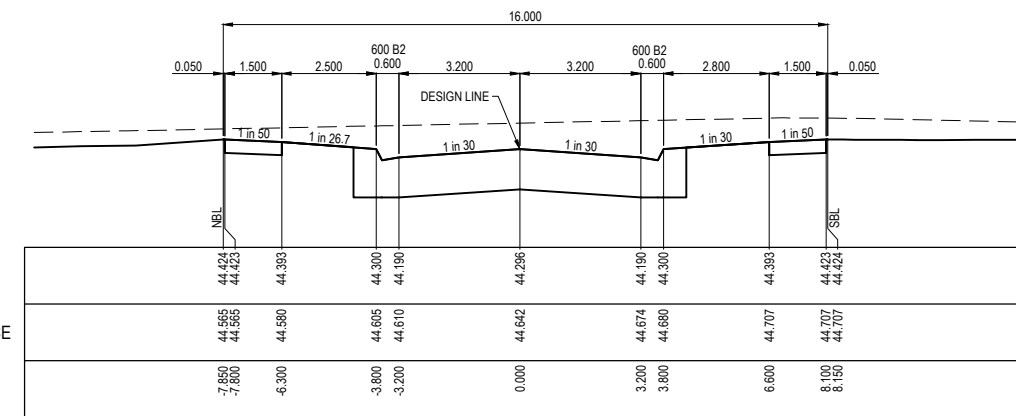
CH 181.822



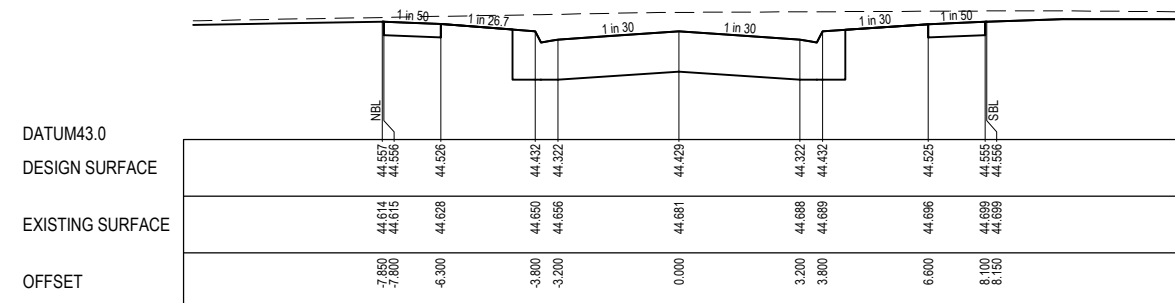
CH 164.169



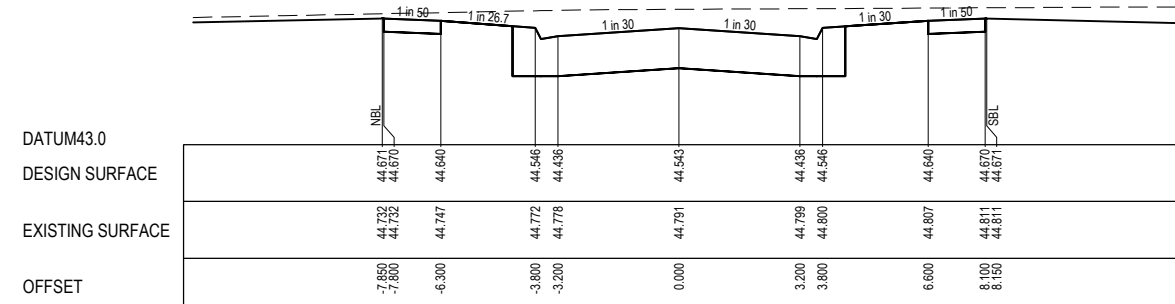
CH 142.668



TPCH 258.503



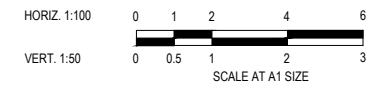
CH 232.006



TPCH 212.061

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A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.						
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.	



Designed Date: E. BARCHAM 21.06.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 28.07.2022  
PS Number: PS902136V




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

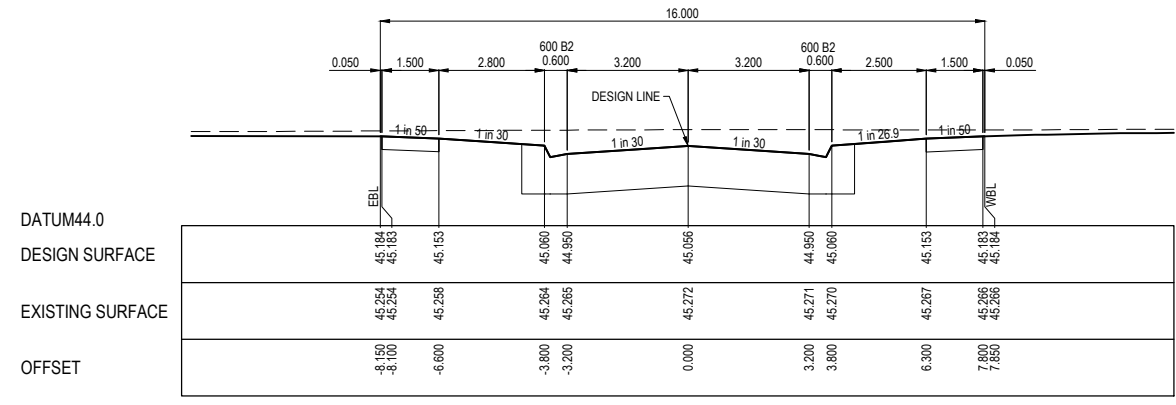
Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS  
MUTURU STREET

Sheet 11 of 18  
Scale: 1:100 H 1:50 V @ A1  
Project Ref: 1801767 Stage No: 37 Drawing No: 203 Rev: A

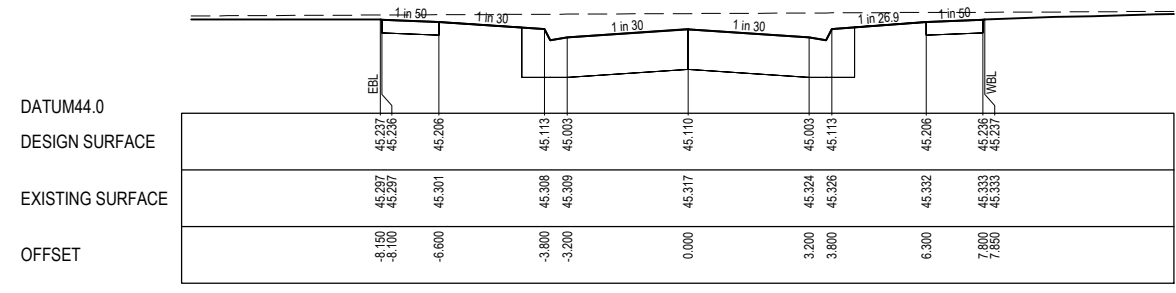
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

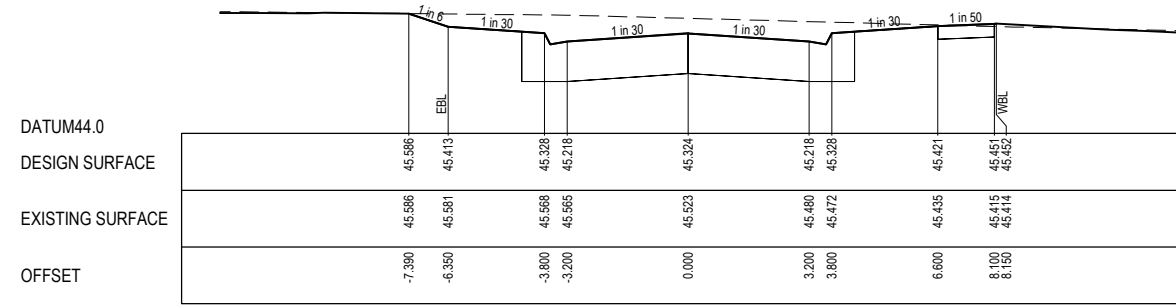
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL



CH 116.062



RTPCH 112.751

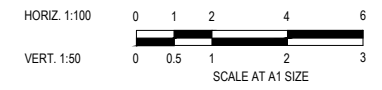


RTPCH 88.121

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					

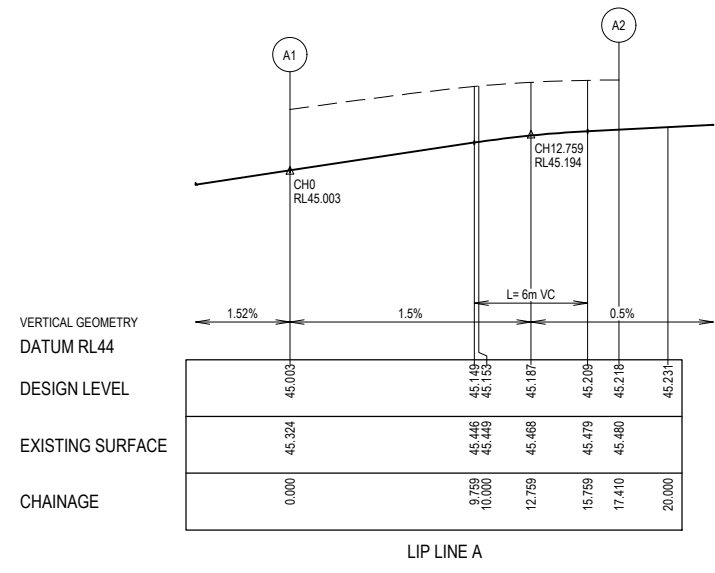
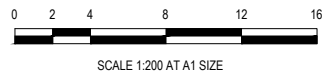
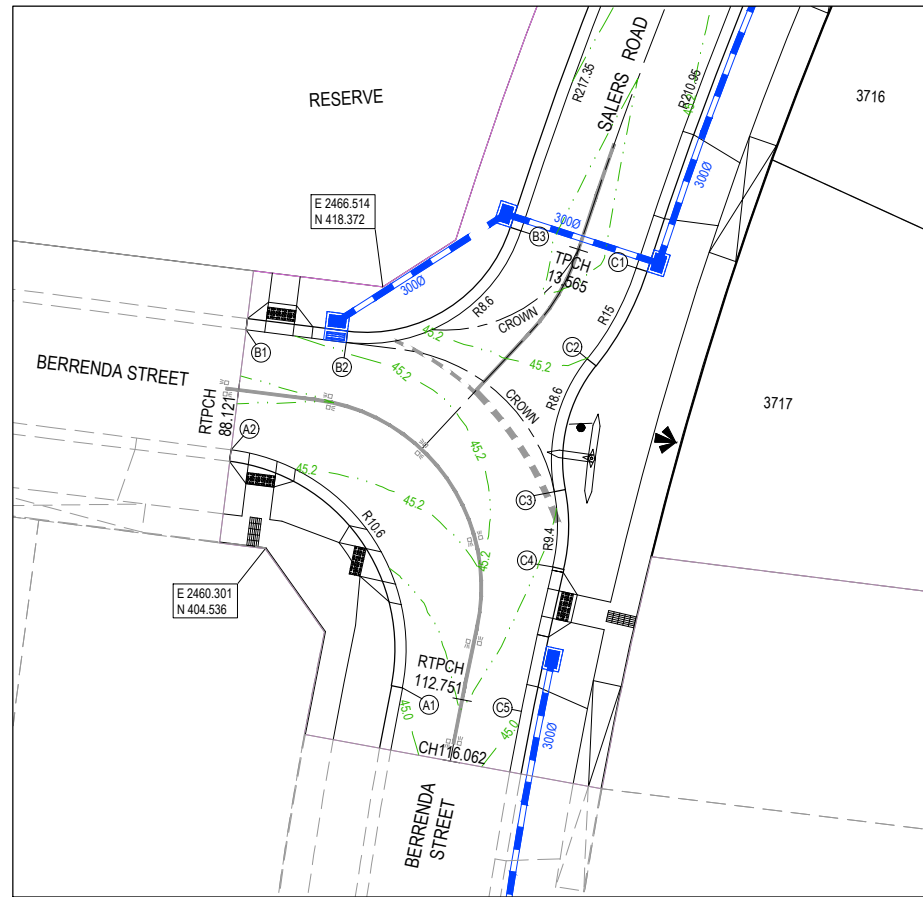


Designed Date: E. BARCHAM 21.06.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 28.07.2022  
PS Number: PS902136V



Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS  
BERRENDA STREET

Sheet 12 of 18	
Scale: 1:100 H 1:50 V @ A1	
Project Ref: 1801767	Stage No: 37
Drawing No: 204	Rev: A

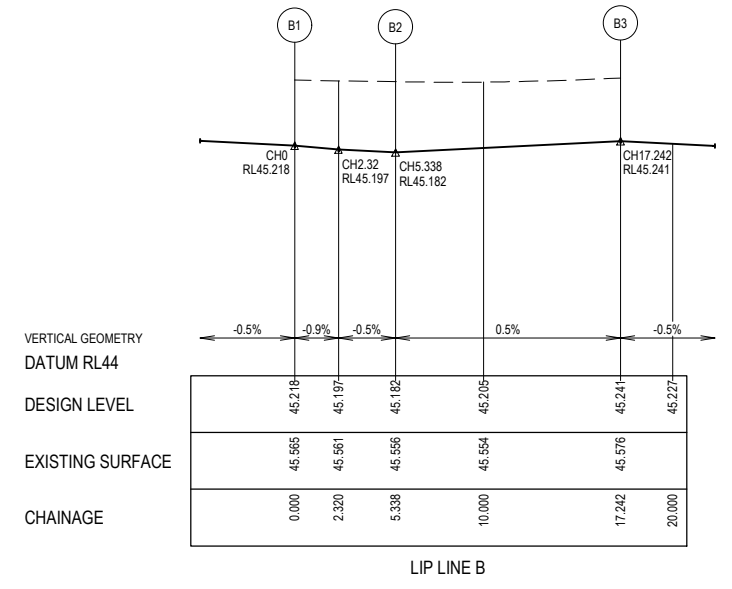


**ALIGNMENT A**

Point no	Easting	Northing	RL
A1	2467.561	397.169	45.003
A2	2458.480	409.753	45.218

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
A1 - A2	94.105	10.600	17.410	3.378	2.497	4.231	3.528	4.352	45.134

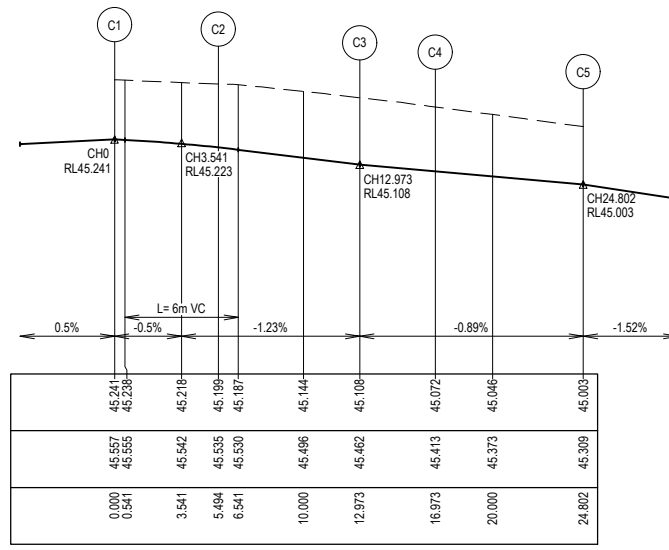


**ALIGNMENT B**

Point no	Easting	Northing	RL
B1	2459.274	416.103	45.218
B2	2464.571	415.441	45.182
B3	2473.826	421.342	45.241

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
B2 - B3	79.309	8.600	11.904	1.979	1.469	2.917	2.571	2.976	45.211



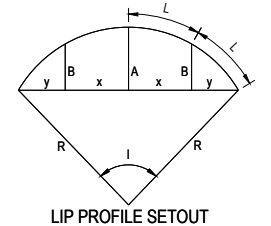
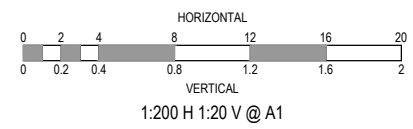
**ALIGNMENT C**

Point no	Easting	Northing	RL
C1	2479.918	419.383	45.241
C2	2477.327	414.573	45.199
C3	2475.587	407.540	45.108
C4	2475.506	403.571	45.072
C5	2473.838	395.922	45.003

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
C1 - C2	20.986	15.000	5.494	0.251	0.188	1.372	1.374	45.225	
C2 - C3	49.826	8.600	7.479	0.800	0.598	1.855	1.870	45.154	
C3 - C4	24.361	9.400	4.000	0.212	0.159	0.998	0.987	45.090	
C4 - C5	2.126	210.950	7.829	0.036	0.027	1.957	1.957	45.038	

- 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



**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed by: E. BARCHAM  
 Date: 21.06.2022  
 Drawn by: N. TABUENA  
 Approved by: M. FELICIANO  
 Date: 28.07.2022  
 PS Number: PS902136V

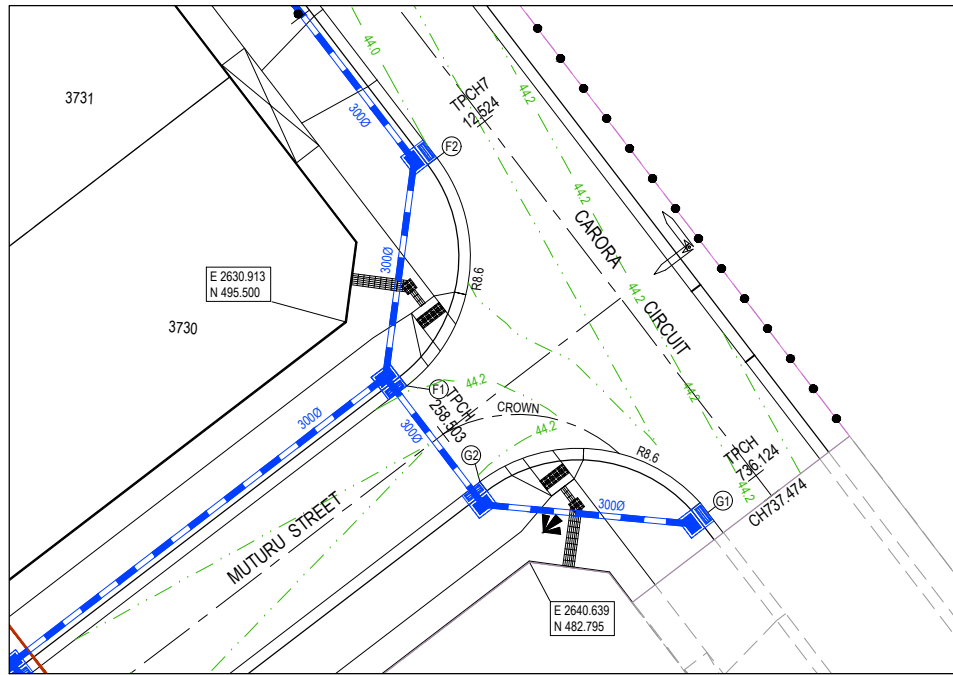
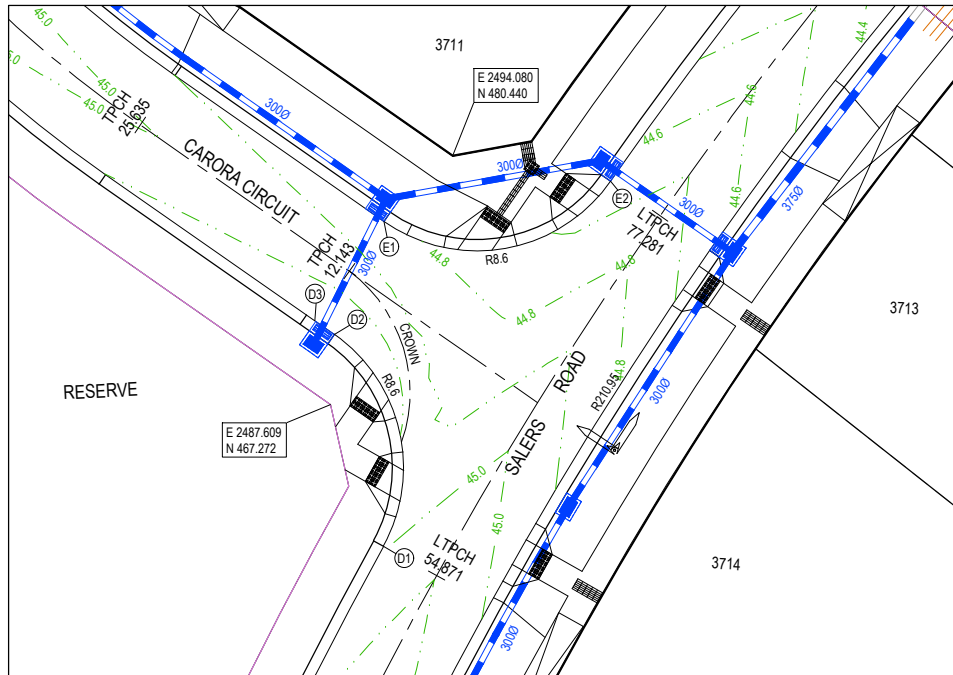
**BW** Beveridge Williams  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 37  
 CITY OF CASEY  
 Drawing Title: INTERSECTION DETAILS  
 (SHEET 1 OF 2)

Sheet 13 of 18  
 Scale: 1:200 @ A1  
 Project Ref: 1801767  
 Stage No: 37  
 Drawing No: 300  
 Rev: A



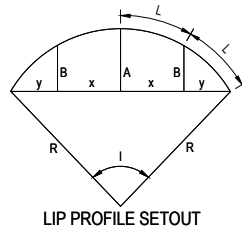
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SCALE 1:200 AT A1 SIZE

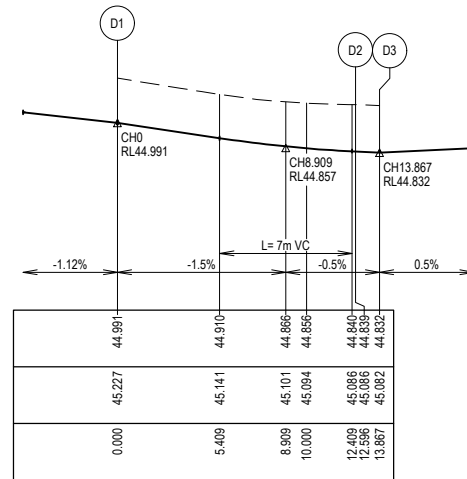
**LEGEND**

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



LIP PROFILE SETOUT

VERTICAL GEOMETRY  
DATUM RL44  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



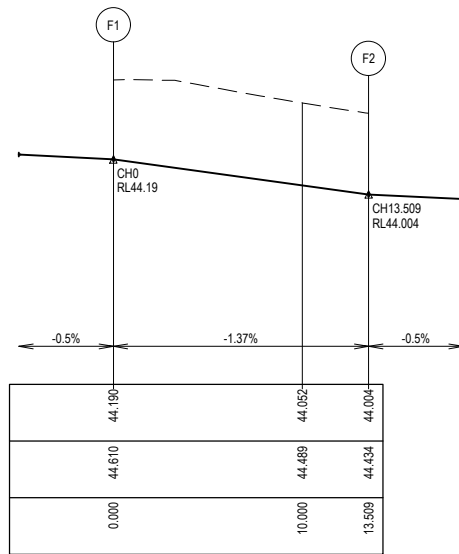
LIP LINE D

**ALIGNMENT D**

Point no	Easting	Northing	RL
D1	2490.415	459.772	44.991
D2	2487.811	470.974	44.839
D3	2486.770	471.702	44.832

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
D1 - D2	83.921	8.600	12.596	2.205	1.635	3.079	2.671	3.149	44.897

VERTICAL GEOMETRY  
DATUM RL43  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



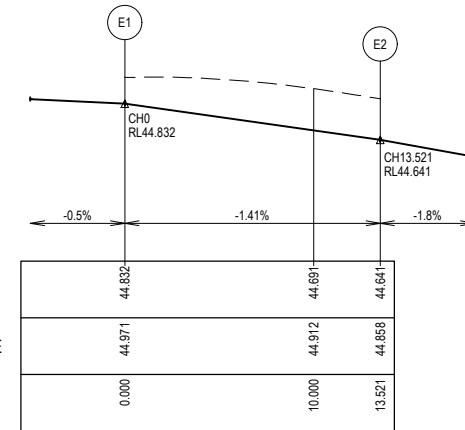
LIP LINE F

**ALIGNMENT F**

Point no	Easting	Northing	RL
F1	2634.134	492.110	44.190
F2	2635.736	504.166	44.004

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
F1 - F2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	44.097

VERTICAL GEOMETRY  
DATUM RL44  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



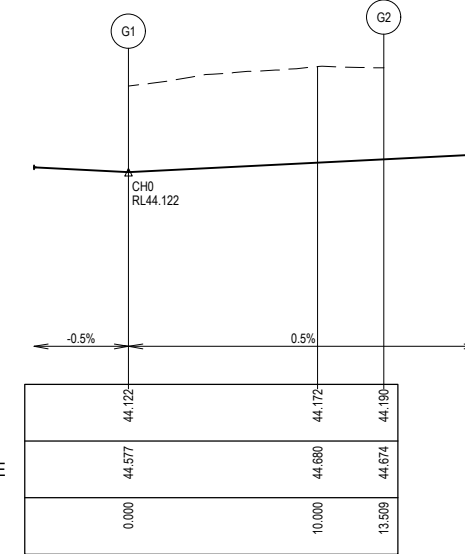
LIP LINE E

**ALIGNMENT E**

Point no	Easting	Northing	RL
E1	2490.436	476.947	44.832
E2	2502.419	479.079	44.641

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
E1 - E2	90.083	8.600	13.521	2.523	1.867	3.294	2.792	3.380	44.737

VERTICAL GEOMETRY  
DATUM RL43  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

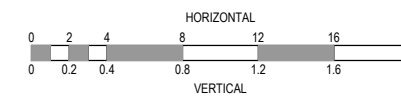


LIP LINE G

**ALIGNMENT G**

Point no	Easting	Northing	RL
G1	2650.081	485.427	44.122
G2	2638.024	487.028	44.190

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
G1 - G2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	44.156



1:200 H 1:20 V @ A1

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	PIT 103 MOVED AND PRAM CROSSINGS AMENDED	30.08.22	C.D.	M.F.					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					

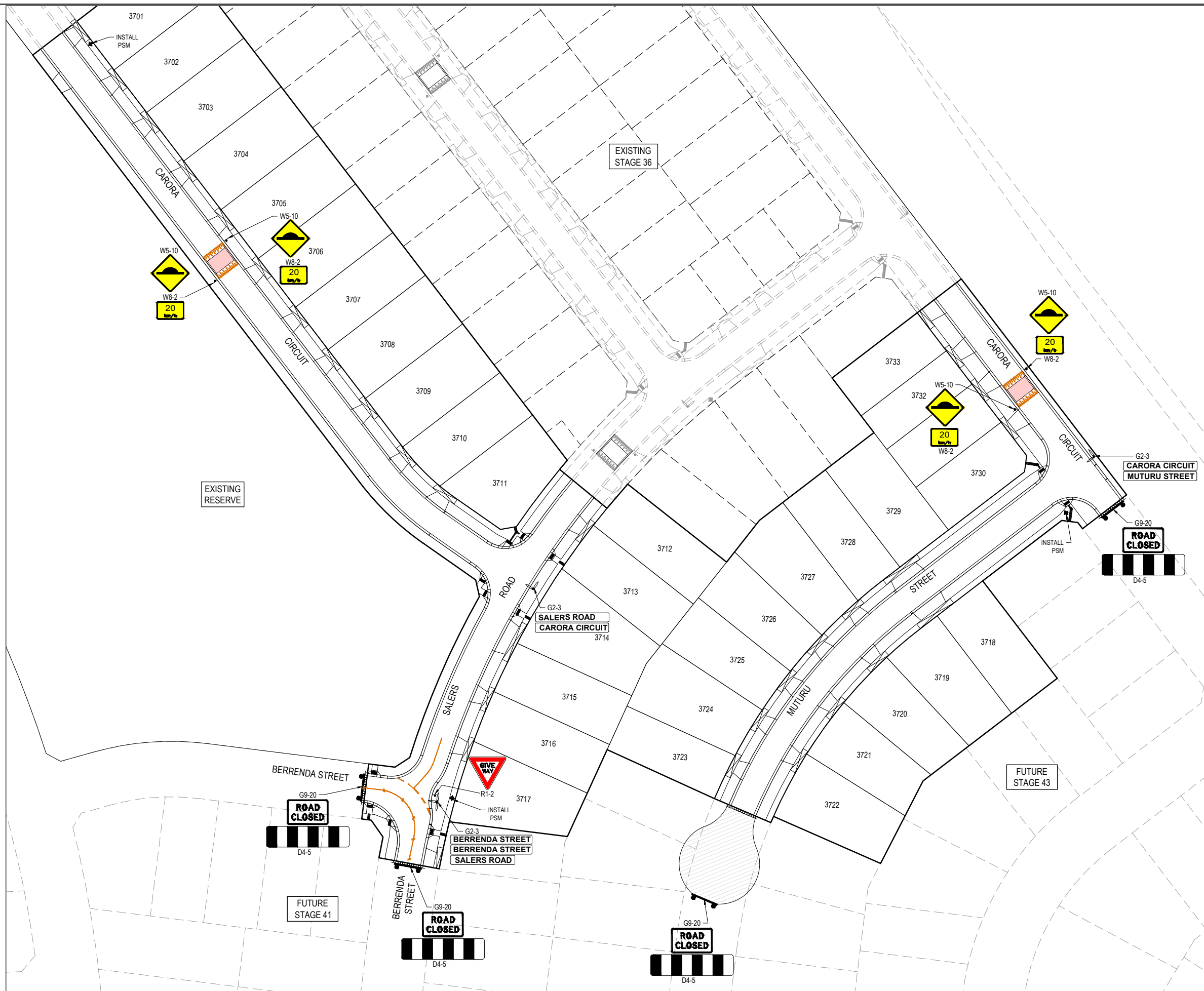


Designed Date  
E. BARCHAM  
21.06.2022  
Drawn  
N. TABUENA  
Approved Date  
M. FELICIANO  
28.07.2022  
PS Number  
PS902136V

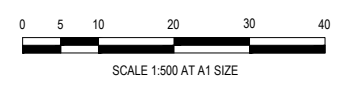


Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY  
Drawing Title  
INTERSECTION DETAILS  
(SHEET 2 OF 2)

Sheet 14 of 18  
Scale  
1:200 @ A1  
Project Ref  
1801767  
Stage No  
37  
Drawing No  
301  
Rev  
B



- NOTES**
- RRPM'S AT MAX 6m SPACING.
  - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
  - LINEMARKING IN ACCORDANCE WITH AS1742.
  - TGSI TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
  - 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.



**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	PRAM CROSSINGS AMENDED	30.08.22	C.D.	M.F.					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed By: E. BARCHAM  
 Date: 21.06.2022  
 Drawn By: N. TABUENA  
 Approved By: M. FELICIANO  
 Date: 28.07.2022  
 PS Number: PS902136V

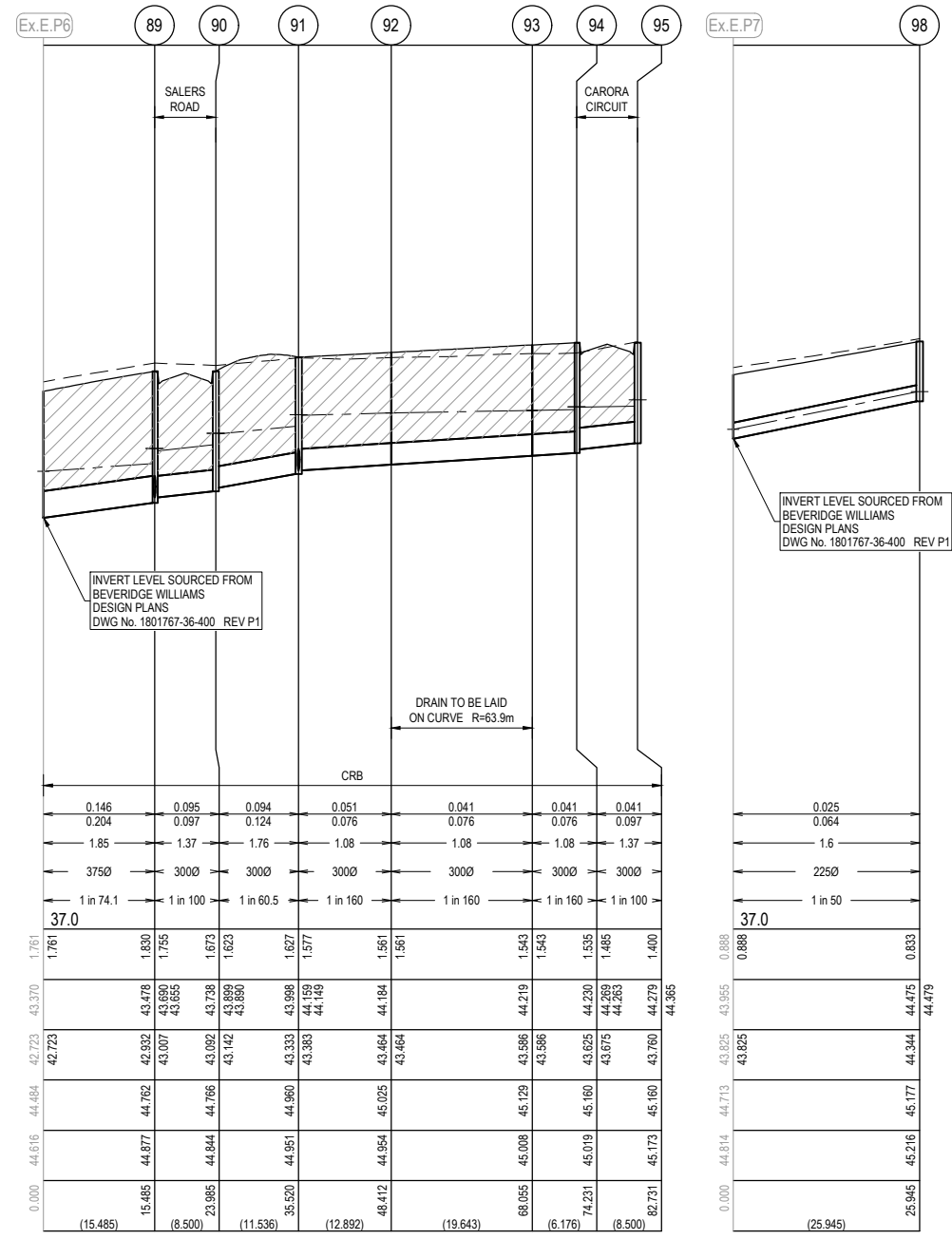
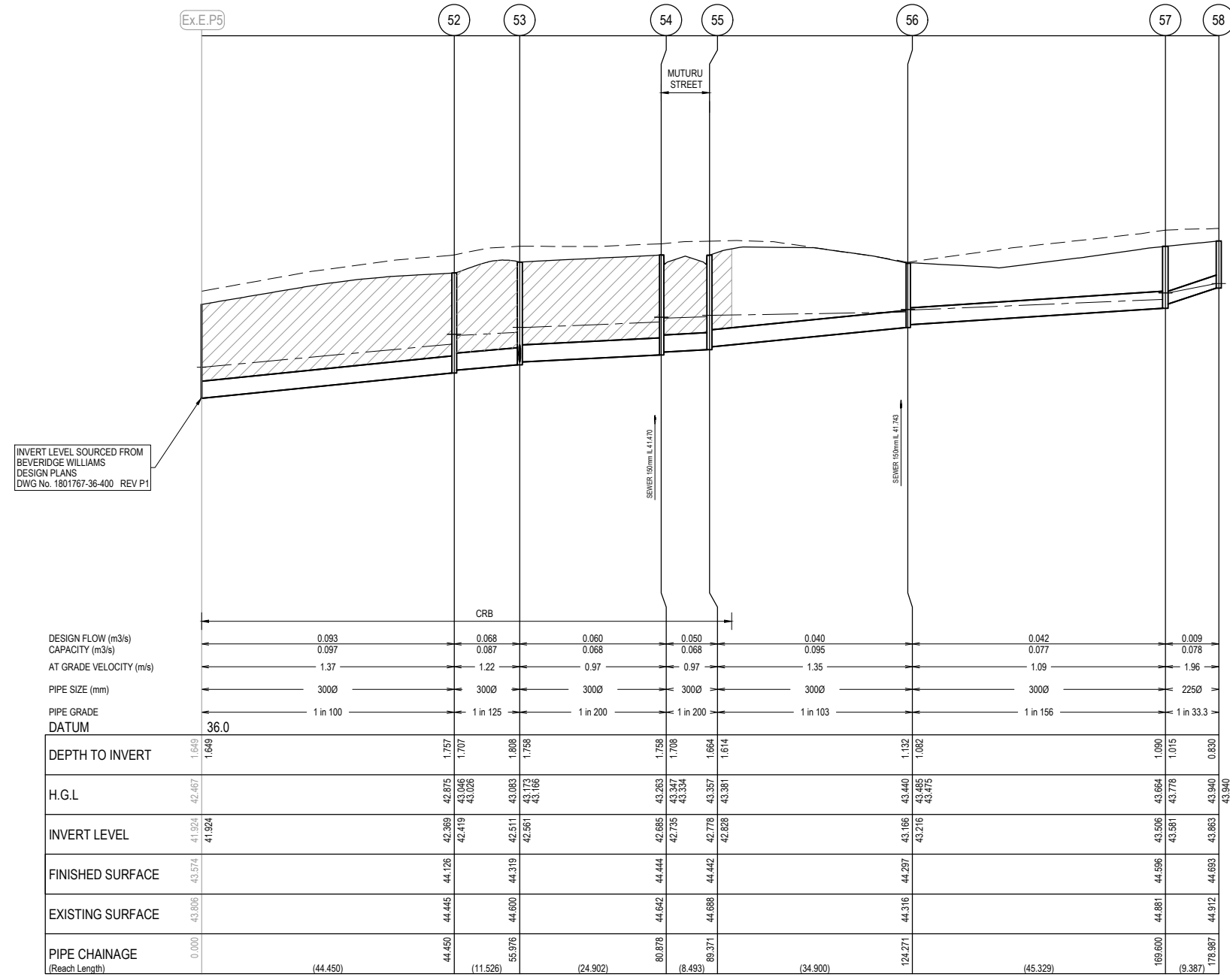
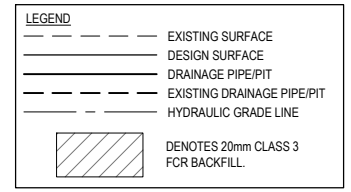


Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 37  
 CITY OF CASEY  
 Drawing Title: SIGNAGE & LINE MARKING PLANS

Sheet 15 of 18  
 Scale: 1:500 @ A1  
 Project Ref: 1801767  
 Stage No: 37  
 Drawing No: 350  
 Rev: B

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



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A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					

**BROWN** PROPERTY GROUP

**MERIDIAN CENTRAL**

HORIZ 1:500  
 VERT 1:50

SCALE AT A1 SIZE

0 5 10 20 30  
 0 0.5 1 2 3

Designed Date: 21.06.2022  
 Drawn: N. TABUENA  
 Approved Date: 28.07.2022  
 PS Number: PS902136V

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

Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 37  
 CITY OF CASEY

Drawing Title: DRAINAGE LONGITUDINAL SECTIONS  
 (SHEET 1 OF 2)

Sheet 16 of 18

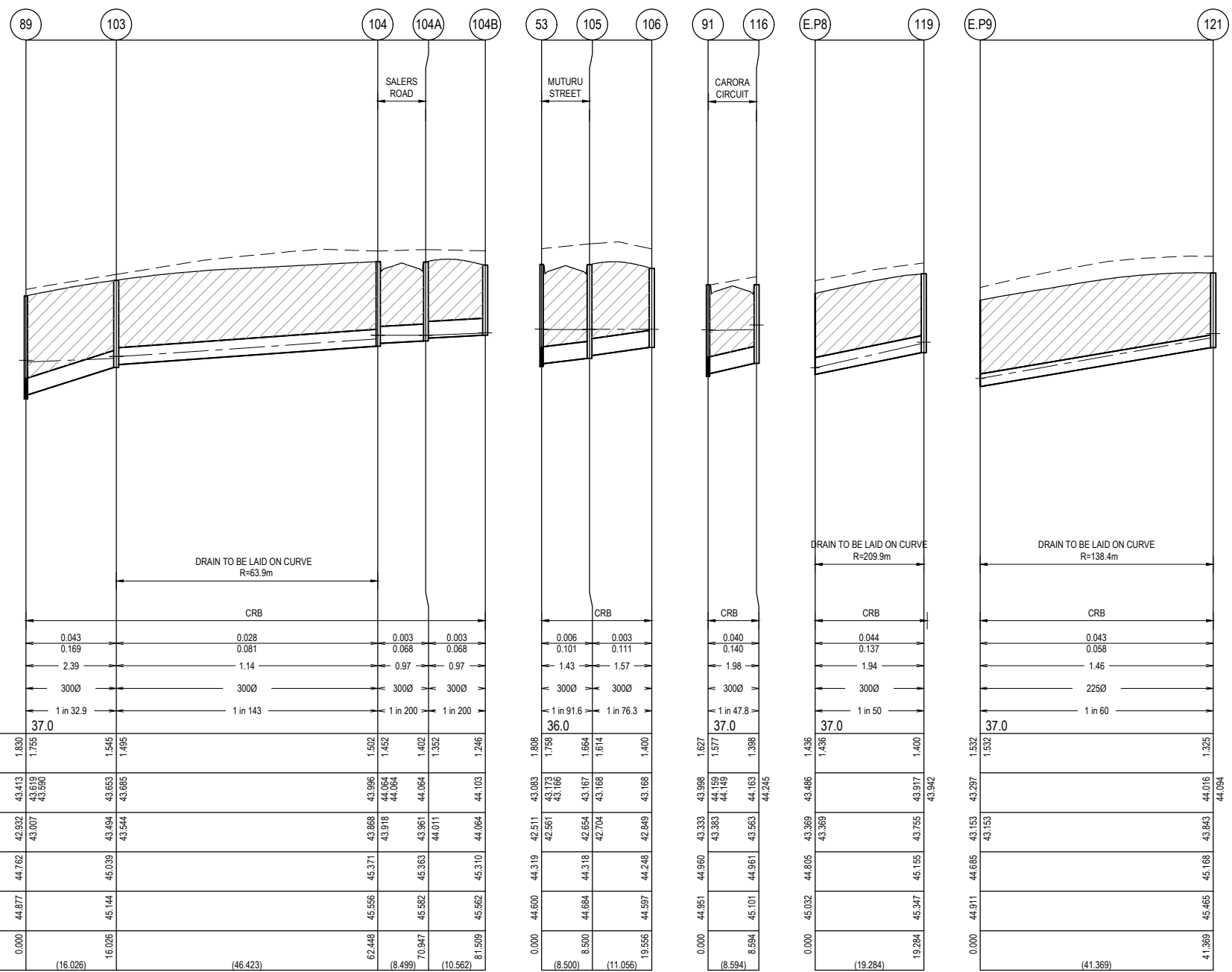
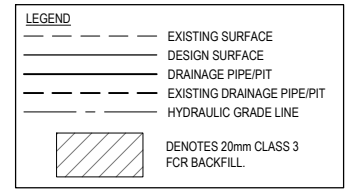
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Project Ref: 1801767  
 Stage No: 37  
 Drawing No: 400  
 Rev: A

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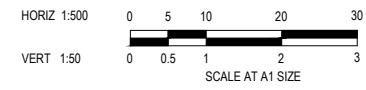
**NOTES:**  
 ALL STORMWATER DRAINS UP TO AND INCLUDING 750mm DIA. ARE TO BE CLASS 2 R.R.J. PIPES UNLESS NOTED OTHERWISE.



DESIGN FLOW (m3/s)	CAPACITY (m3/s)	AT GRADE VELOCITY (m/s)	PIPE SIZE (mm)	PIPE GRADE	DATUM	DEPTH TO INVERT	H.G.L.	INVERT LEVEL	FINISHED SURFACE	EXISTING SURFACE	PIPE CHAINAGE (Reach Length)
0.043	0.169	2.39	300Ø	1 in 32.9	37.0	1.830	43.413	42.832	44.762	44.877	0.000
0.028	0.081	1.14	300Ø	1 in 143	37.0	1.795	43.519	43.007	45.039	45.144	16.026
0.003	0.068	0.97	300Ø	1 in 200	37.0	1.502	43.668	43.694	45.566	45.566	62.448
0.003	0.068	0.97	300Ø	1 in 200	37.0	1.452	44.064	43.918	44.597	45.562	70.947
0.003	0.068	0.97	300Ø	1 in 200	37.0	1.352	44.011	44.011	45.562	45.562	81.509
0.003	0.068	0.97	300Ø	1 in 200	37.0	1.246	44.103	44.064	45.562	45.562	81.509
0.006	0.101	1.43	300Ø	1 in 91.6	36.0	1.808	43.083	42.951	44.600	44.600	0.000
0.003	0.111	1.57	300Ø	1 in 76.3	36.0	1.758	43.173	43.166	44.684	44.684	8.500
0.040	0.140	1.98	300Ø	1 in 47.8	37.0	1.577	43.998	43.383	44.960	44.960	8.594
0.044	0.137	1.94	300Ø	1 in 50	37.0	1.627	43.998	43.383	44.960	44.960	8.594
0.044	0.137	1.94	300Ø	1 in 50	37.0	1.436	44.005	43.969	45.032	45.032	0.000
0.043	0.058	1.46	225Ø	1 in 60	37.0	1.495	44.885	43.153	44.911	44.911	19.284
0.043	0.058	1.46	225Ø	1 in 60	37.0	1.532	44.885	43.153	44.911	44.911	19.284
0.043	0.058	1.46	225Ø	1 in 60	37.0	1.532	44.885	43.153	44.911	44.911	19.284
0.043	0.058	1.46	225Ø	1 in 60	37.0	1.325	44.016	43.843	45.065	45.065	41.369
0.043	0.058	1.46	225Ø	1 in 60	37.0	1.325	44.016	43.843	45.065	45.065	41.369
0.043	0.058	1.46	225Ø	1 in 60	37.0	1.325	44.016	43.843	45.065	45.065	41.369

**ISSUED FOR CONSTRUCTION**

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	PIT 103 AMENDED	30.08.22	C.D.	M.F.					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D.	M.F.					



Designed Date: 21.06.2022  
 Drawn: N. TABUENA  
 Approved Date: 28.07.2022  
 PS Number: PS902136V

E. BARCHAM  
 M. FELICIANO

**BW** Beveridge Williams  
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Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 37  
 CITY OF CASEY

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

Sheet 17 of 18  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767  
 Stage No: 37  
 Drawing No: 401  
 Rev: B

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PIT SCHEDULE											
PIT	PIT TYPE	INTERNAL DIMENSION		INLET		OUTLET		COVER LEVEL (m)	DEPTH (m)	PIT STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INVERT LEVEL(m)	DIAMETER (mm)	INVERT LEVEL(m)				
Ex.E.P5	END PIPE			300	41.924			43.574	1.649		CONNECT TO EXISTING END PIPE
52	GRATED ENTRY PIT	600	900	300	42.419	300	42.369	44.126	1.757	EDCM 601	
53	GRATED ENTRY PIT	600	900	300	42.561	300	42.511	44.319	1.808	EDCM 601	
				300	42.561						
54	GRATED ENTRY PIT	600	900	300	42.735	300	42.685	44.444	1.758	EDCM 601	
55	GRATED ENTRY PIT	600	900	300	42.828	300	42.778	44.442	1.664	EDCM 601	
56	JUNCTION PIT	600	900	300	43.216	300	43.166	44.297	1.132	EDCM 605	
57	JUNCTION PIT	600	900	225	43.581	300	43.506	44.596	1.090	EDCM 605	
58	JUNCTION PIT	600	900			225	43.863	44.693	0.830	EDCM 605	
Ex.E.P6	END PIPE			375	42.723			44.484	1.761		CONNECT TO EXISTING END PIPE
89	GRATED ENTRY PIT	600	900	300	43.007	375	42.932	44.762	1.830	EDCM 601	
				300	43.007						
90	GRATED ENTRY PIT	600	900	300	43.142	300	43.092	44.766	1.673	EDCM 601	
91	GRATED ENTRY PIT	600	900	300	43.383	300	43.333	44.960	1.627	EDCM 601	
				300	43.383						
92	TANGENT POINT			300	43.464	300	43.464	45.025	1.561		
93	TANGENT POINT			300	43.586	300	43.586	45.129	1.543		
94	GRATED ENTRY PIT	600	900	300	43.675	300	43.625	45.160	1.535	EDCM 601	
95	GRATED ENTRY PIT	600	900			300	43.760	45.160	1.400	EDCM 601	
Ex.E.P7	END PIPE			225	43.825			44.713	0.888		CONNECT TO EXISTING END PIPE
98	JUNCTION PIT	600	900			225	44.344	45.177	0.833	EDCM 605	
103	GRATED ENTRY PIT	600	900	300	43.544	300	43.494	45.039	1.545	EDCM 601	
104	JUNCTION PIT	600	900	300	43.918	300	43.868	45.371	1.502	EDCM 605	
104A	JUNCTION PIT	600	900	300	44.011	300	43.961	45.363	1.402	EDCM 605	
104B	GRATED ENTRY PIT	600	900			300	44.064	45.310	1.246	EDCM 601	
105	GRATED ENTRY PIT	600	900	300	42.704	300	42.654	44.318	1.664	EDCM 601	
106	GRATED ENTRY PIT	600	900			300	42.849	44.248	1.400	EDCM 601	
116	GRATED ENTRY PIT	600	900			300	43.563	44.961	1.398	EDCM 601	
E.P8	END PIPE			300	43.369			44.805	1.436		CAP END FOR FUTURE CONNECTION
119	JUNCTION PIT	600	900			300	43.755	45.155	1.400	EDCM 605	
E.P9	END PIPE			225	43.153			44.685	1.532		CONSTRUCT TEMPORARY SWALE TO DISCHARGE LOT 3233 FLOWS
121	JUNCTION PIT	600	900			225	43.843	45.168	1.325	EDCM 605	

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	PIT 103 AMENDED	30.08.22	C.D	M.F					
A	ISSUED FOR CONSTRUCTION	23.08.22	C.D	M.F					



Designed Date: E. BARCHAM 21.06.2022  
Drawn: N. TABUENA  
Approved Date: M. FELICIANO 28.07.2022  
PS Number: PS902136V



Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 37  
CITY OF CASEY  
Drawing Title: DRAINAGE PIT SCHEDULE

Sheet 18 of 18

Scale

Project Ref: 1801767 Stage No: 37 Drawing No: 402 Rev: B