

# MERIDIAN CENTRAL ESTATE - STAGE 24

## 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 7251/4/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage is installed.
- A6. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.
- A7. 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. Palings 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.

##### ROADWORKS

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

- C7. Access ramps are to be constructed where cut batters exceed 1.0m. They are to be graded 1 in 10 for the first 2.5m from the back of path & then at a maximum of 1 in 4 to natural surface.
- C8. The water conduit offset from the lot boundary is given on the water reticulation plan. The contractor must construct conduits to accord with the given offset & ensure that the 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 (TGS) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4 - 2002 & MPA standard drawing EDCM 403.
- C20. If any existing substandard filling is encountered on the site it must be removed and replaced with approved fill material properly compacted to Council requirements. A geo-technical report must be submitted showing details of depth, type of material and density of the fill areas concerned.

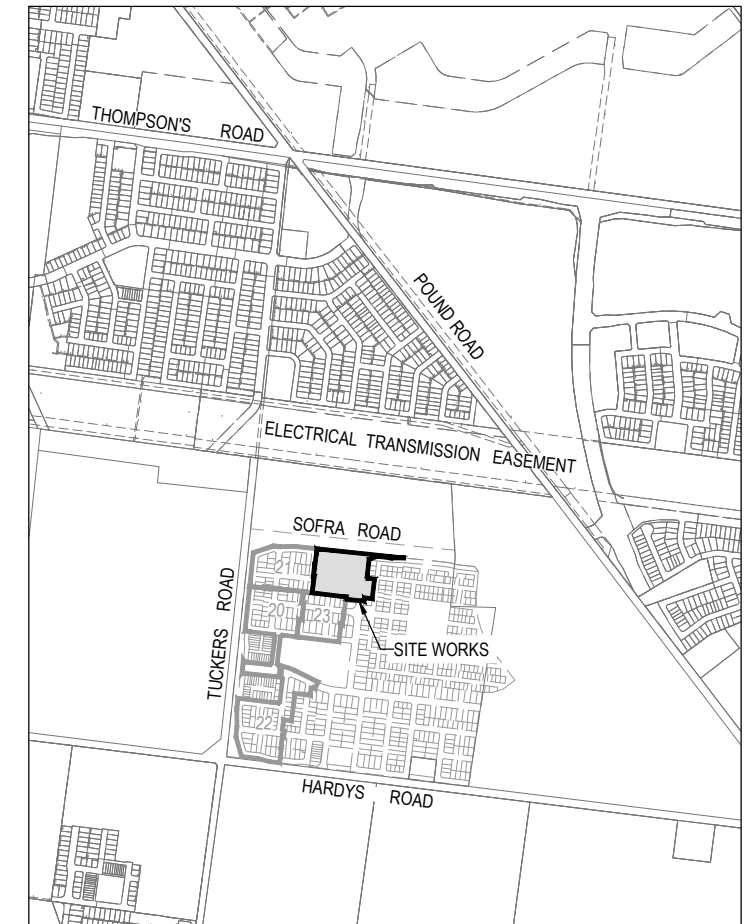
##### DRAINAGE

- 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 No.	TITLE	REVISION
1801767-24-001	COVER SHEET	A
1801767-24-002	TYPICAL ROAD CROSS SECTIONS, PAVEMENT MAKEUP & GENERAL DETAILS	A
1801767-24-010	LAYOUT PLAN	A
1801767-24-100	ROAD LONGITUDINAL SECTIONS HEARTHSTONE CIRCUIT & WHISPERING WAY	A
1801767-24-101	ROAD LONGITUDINAL SECTIONS TWYNAMROAD	A
1801767-24-200	ROAD CROSS SECTIONS HEARTHSTONE CIRCUIT	A
1801767-24-201	ROAD CROSS SECTIONS WHISPERING WAY	A
1801767-24-202	ROAD CROSS SECTIONS TWYNAMROAD	A
1801767-24-300	INTERSECTION DETAILS (SHEET 1 OF 2)	A
1801767-24-301	INTERSECTION DETAILS (SHEET 2 OF 2)	A
1801767-24-350	SIGNAGE & LINE MARKING PLANS	A
1801767-24-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)	A
1801767-24-401	DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE (SHEET 2 OF 2)	A



#### SITE PLAN

NOT TO SCALE

MELWAY REF: 135 E3

#### 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 vied 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  
Add +5,780,840.520 to Northings  
(APPLY SCALE FACTOR) Scale by 0.999846 at point PM77

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					



Designed  
Date J. TRINH  
19.11.2020

Drawn  
V. MURUGA

Approved  
Date M. FELICIANO  
19.11.2020

PS Number  
PS839554B



Project  
Details MERIDIAN CENTRAL ESTATE  
STAGE 24  
CITY OF CASEY

Drawing  
Title COVER SHEET

Sheet 01 of 13

Scale  
NOT TO SCALE

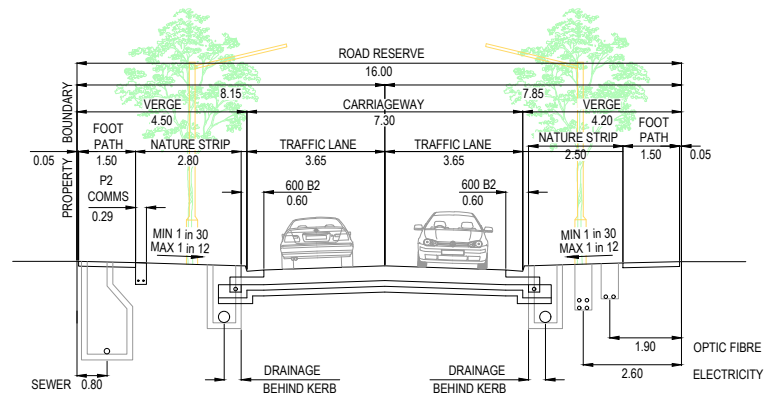
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1801767

Stage No  
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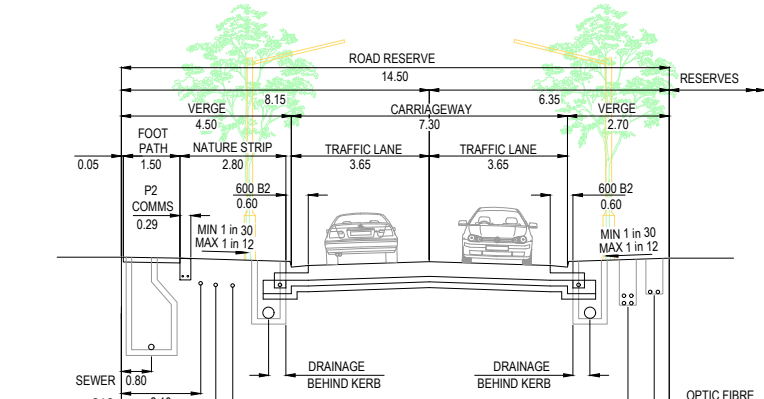
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Rev  
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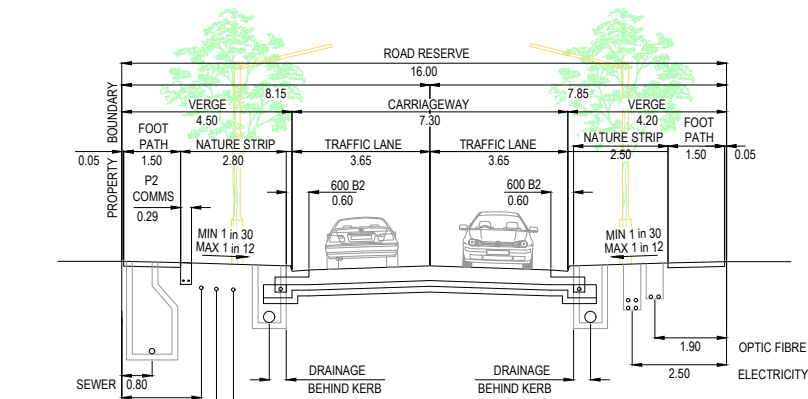




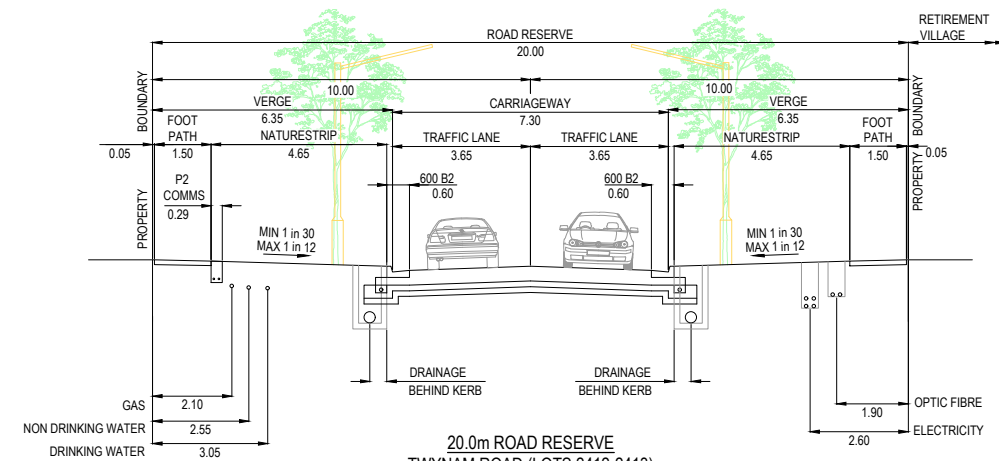
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HEARTHSTONE CIRCUIT (NORTH-SOUTH)  
SCALE 1:100



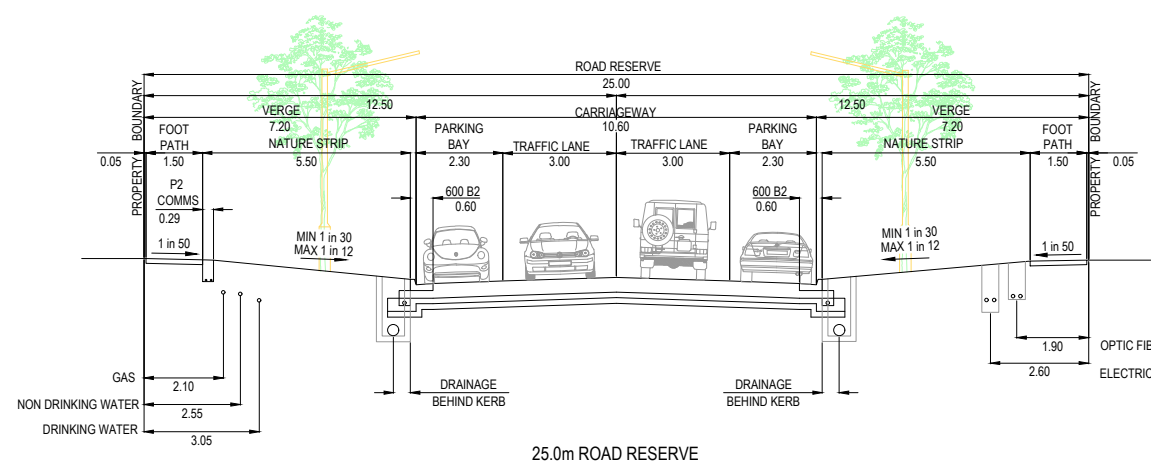
14.5m ROAD RESERVE  
HEARTHSTONE CIRCUIT (EAST-WEST)  
SCALE 1:100



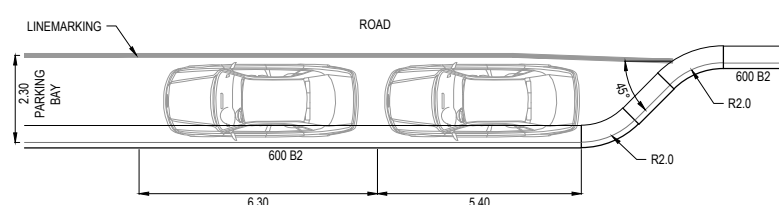
16.0m ROAD RESERVE  
WHISPERING WAY  
SCALE 1:100



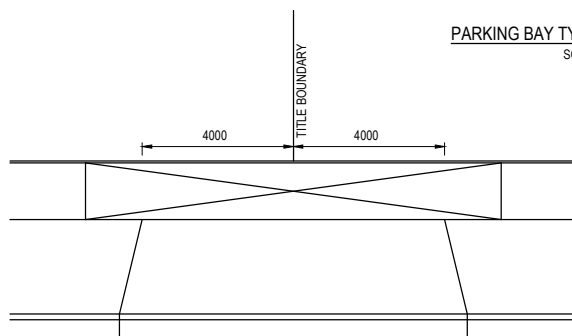
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SCALE 1:100



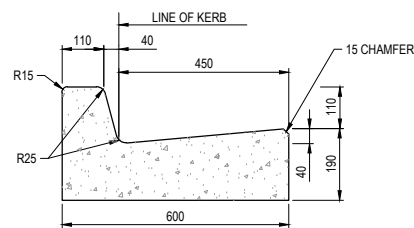
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SCALE 1:100



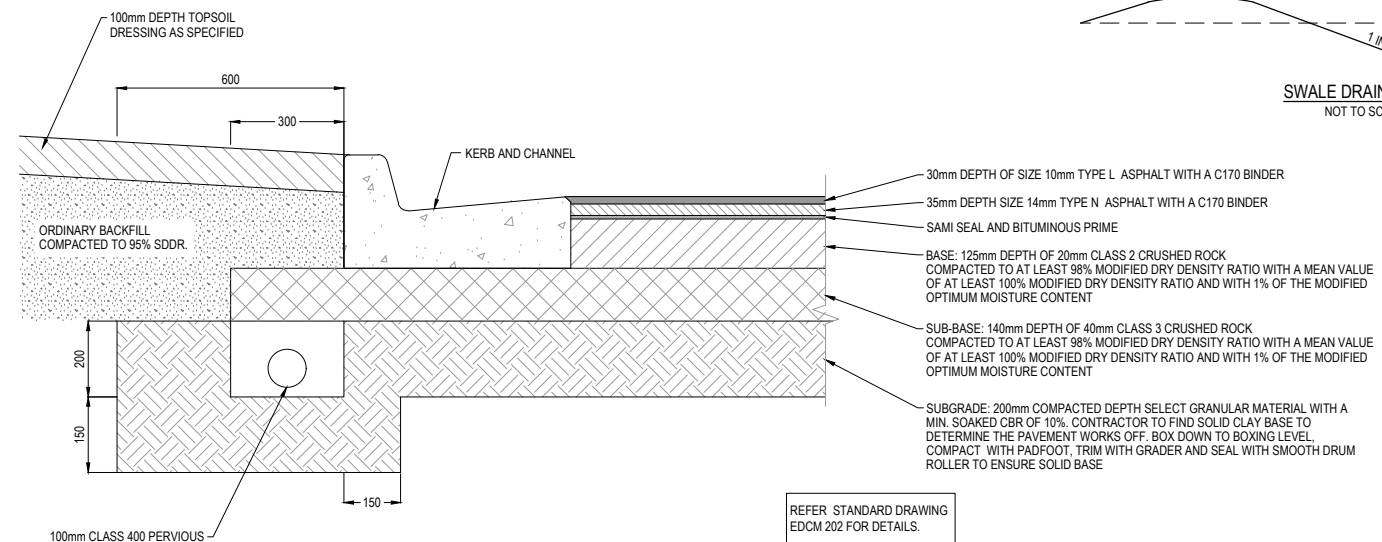
PARKING BAY TYPES SETOUT DETAILS  
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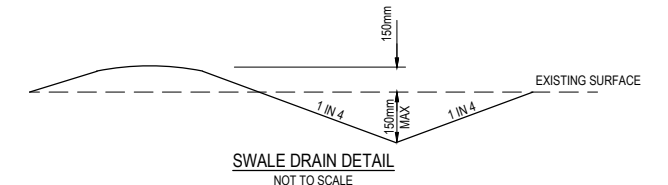
NOTES  
1. REFER TO EDCM 502 FOR FURTHER DETAILS  
8.0m DOUBLE VEHICLE CROSSING DETAIL  
NOT TO SCALE



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



PAVEMENT COMPOSITION  
HEARTHSTONE CIRCUIT, WHISPERING WAY & TWINYAM ROAD  
530mm DEPTH  
N.T.S.



SWALE DRAIN DETAIL  
NOT TO SCALE

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A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					

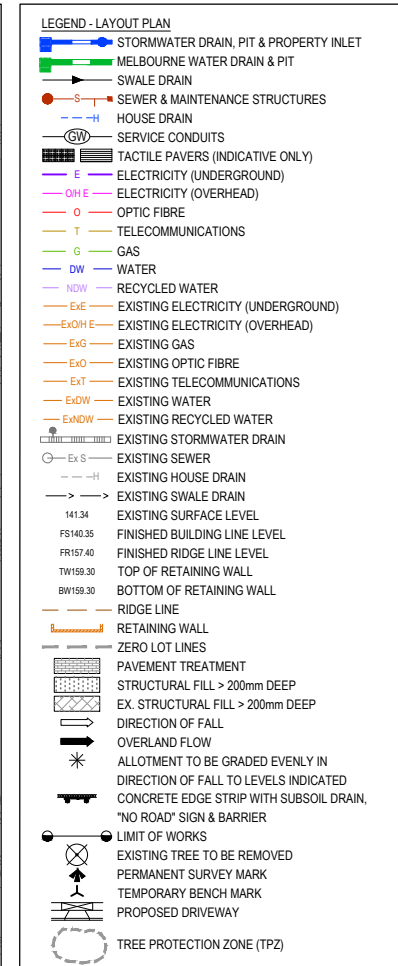
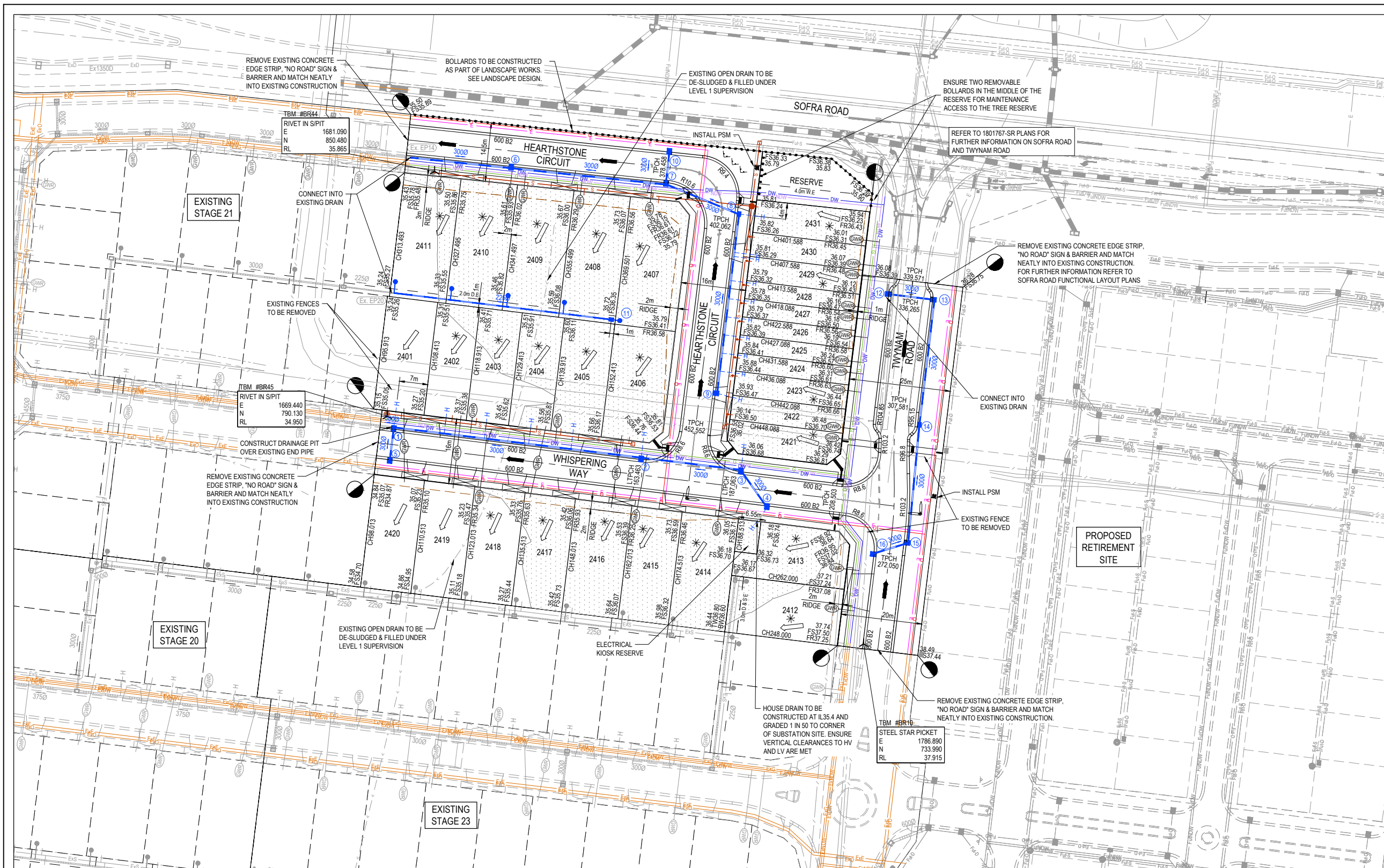


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Drawn	V. MURUGA
Approved	M. FELICIANO
Date	19.11.2020
PS Number	PS839554B



Project Details	MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY
Drawing Title	TYPICAL ROAD CROSS SECTIONS, PAVEMENT MAKEUP & GENERAL DETAILS

Sheet 02 of 13
Scale NOT TO SCALE
Project Ref 1801767
Stage No 24
Drawing No 002
Rev A



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)
HEARTHSTONE CIRCUIT (EW)	S	2.10	S	2.50	S	3.15	N	1.10	N	0.40	S	0.80
HEARTHSTONE CIRCUIT (NS)	-	-	-	-	-	-	W	2.60	W	1.90	E	1.00
WHISPERING WAY	N	2.10	N	2.50	N	2.95	S	2.50	S	1.90	N	0.80
TWYNAM ROAD (LOTS 2421 - 2429)	W	2.10	W	2.55	W	3.20	E	2.60	E	1.90	-	-
TWYNAM ROAD (LOTS 2412 - 2413)	W	2.10	W	2.55	W	3.05	E	2.60	E	1.90	-	-
RESERVE	-	-	S	1.40	S	2.05	-	-	-	-	-	-

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

ROAD LAYOUT TABLE

Road Name	Reserve Width (m)	Road Width (m)			Kerb Type		Verge Width (m)	
		Lip to Lip	Inv to Inv	Back to Back	Nth/West	Sth/East	Nth/West	Sth/East
HEARTHSTONE CIRCUIT (EW)	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.50
HEARTHSTONE CIRCUIT (NS)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
WHISPERING WAY	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
TWYNAM ROAD (LOTS 2412-2413)	20.00	6.40	7.30	7.60	600 B2	600 B2	6.35	6.35
TWYNAM ROAD (LOTS 2421-2429)	25.00	6.00/9.70	7.30/10.60	7.60/10.90	600 B2	600 B2	8.85/7.20	8.85/7.20

**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

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**BROWN B** PROPERTY GROUP

**M** MERIDIAN CENTRAL

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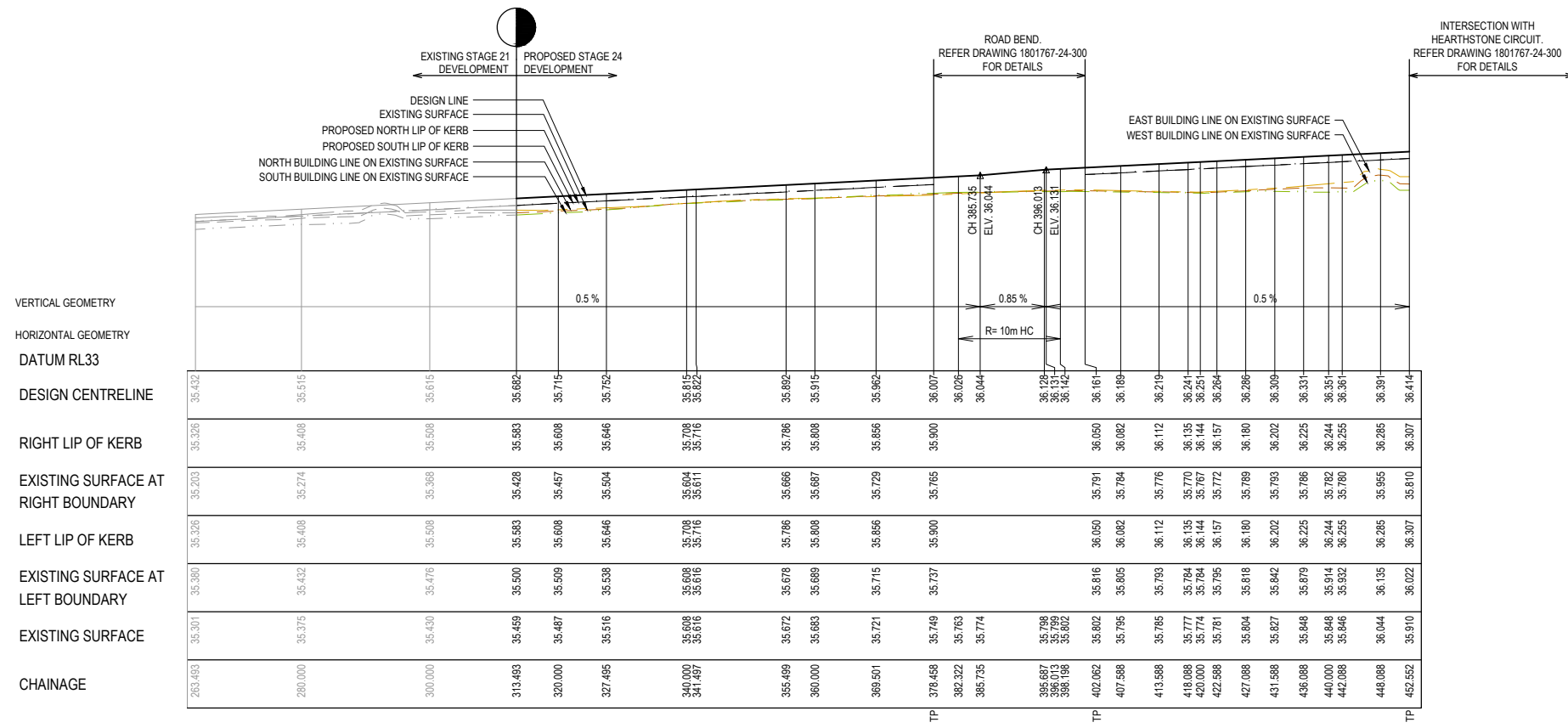
Designed Date: J. TRINH 19.11.2020  
 Drawn: V. MURUGA  
 Approved Date: M. FELICIANO 19.11.2020  
 PS Number: PS839554B

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Project Details: MERIDIAN CENTRAL ESTATE  
 STAGE 24  
 CITY OF CASEY

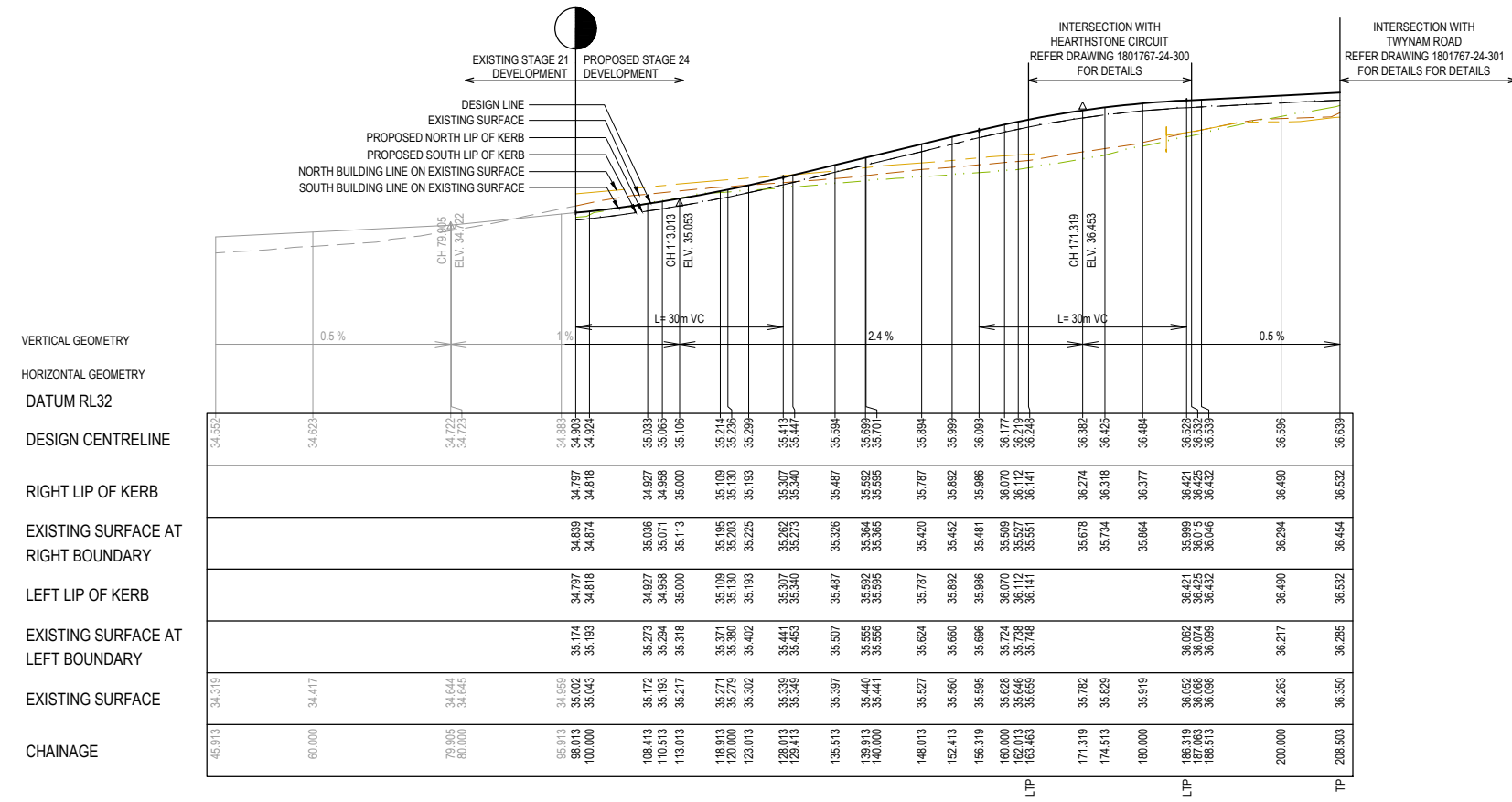
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Sheet 03 of 13  
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 Project Ref: 1801767  
 Stage No: 24  
 Drawing No: 010  
 Rev: A



LEGEND

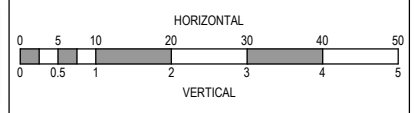
- EXISTING SURFACE
- DESIGN LINE
- FUTURE DESIGN LINE
- EXISTING SURFACE AT RIGHT BOUNDARY
- RIGHT LIP OF KERB
- EXISTING SURFACE AT LEFT BOUNDARY
- LEFT LIP OF KERB



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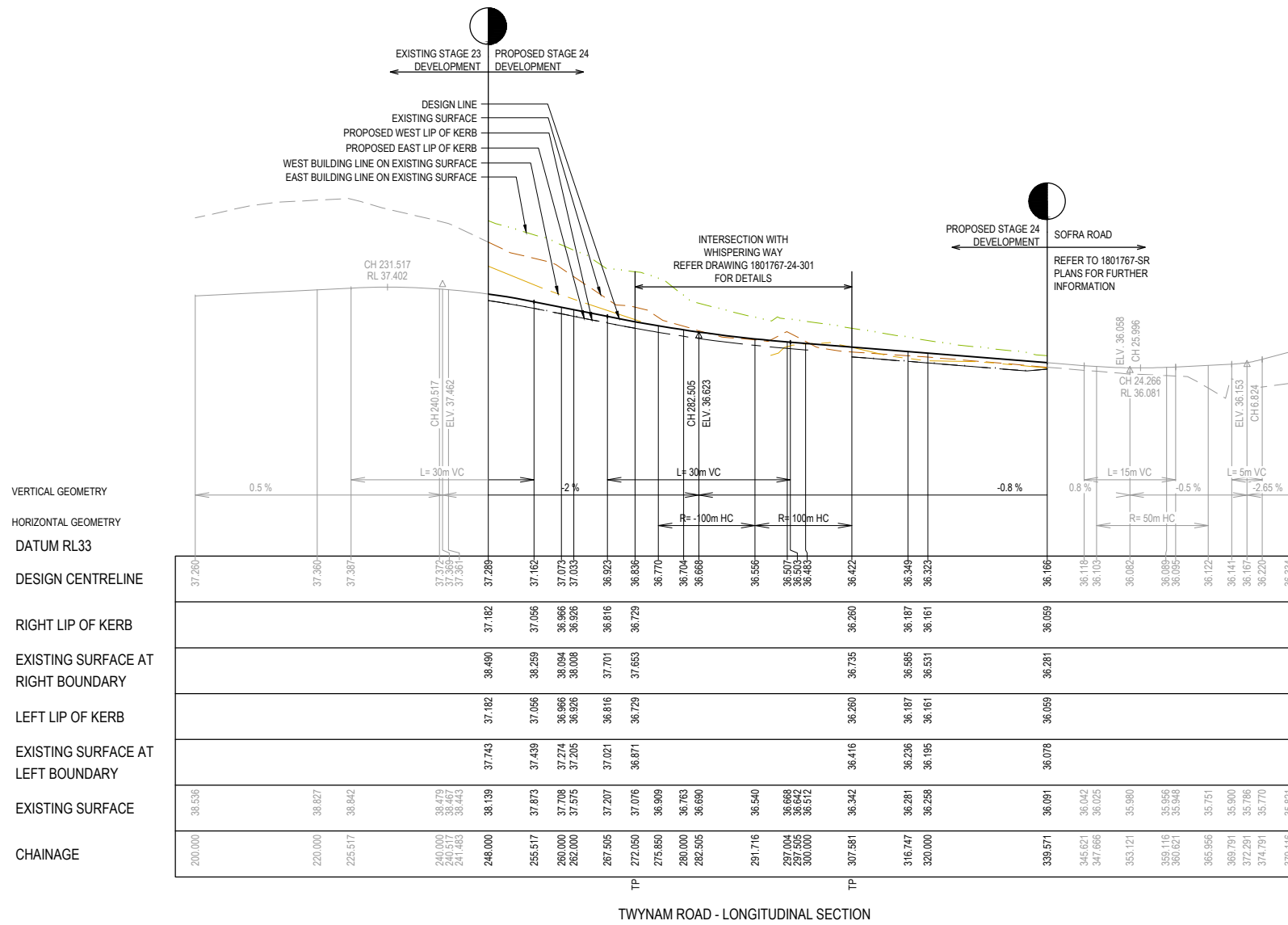
Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 24  
CITY OF CASEY

Drawing Title: ROAD LONGITUDINAL SECTIONS  
HEARTHSTONE CIRCUIT & WHISPERING WAY

Sheet 04 of 13  
Scale: 1:500 H 1:50 V @ A1  
Project Ref: 1801767  
Stage No: 24  
Drawing No: 100  
Rev: A

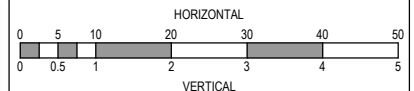
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



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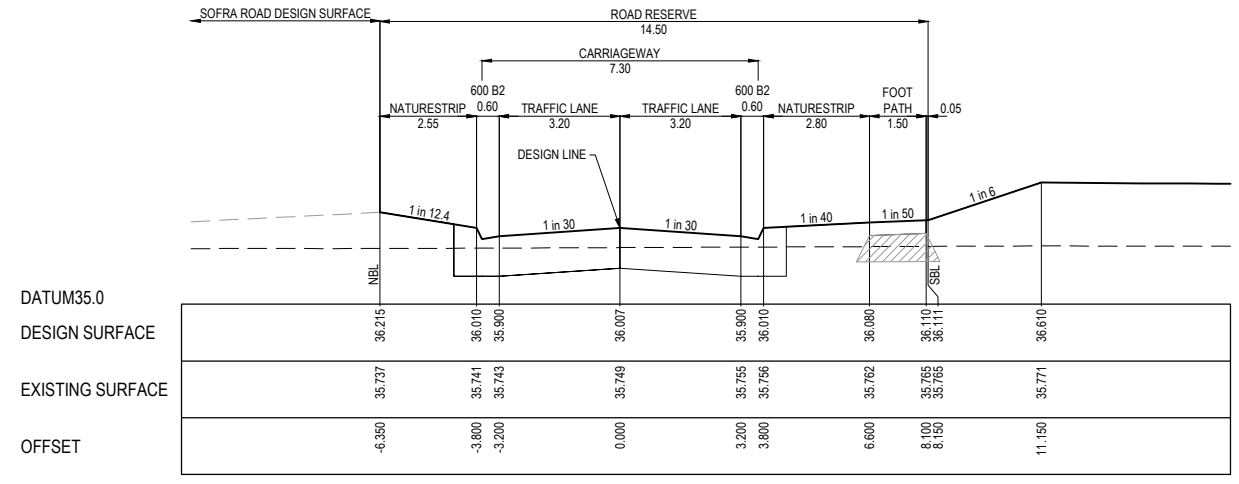


Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
 Drawing Title: ROAD LONGITUDINAL SECTIONS TWINAM ROAD

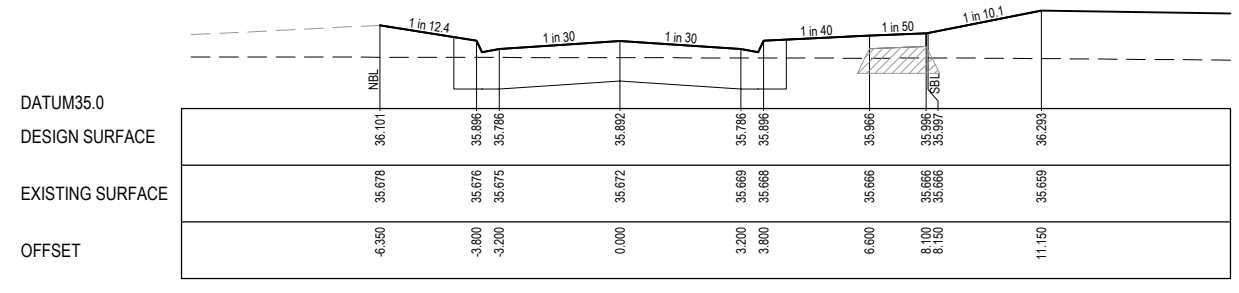
Sheet 05 of 13  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 24 Drawing No: 101 Rev: A

LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

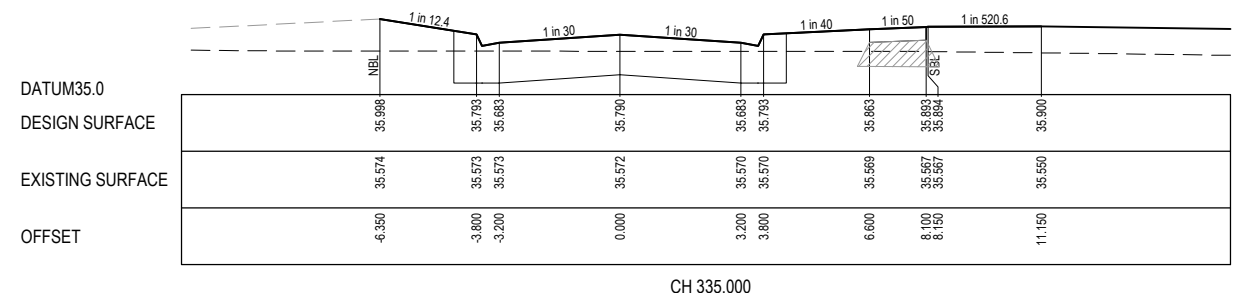
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



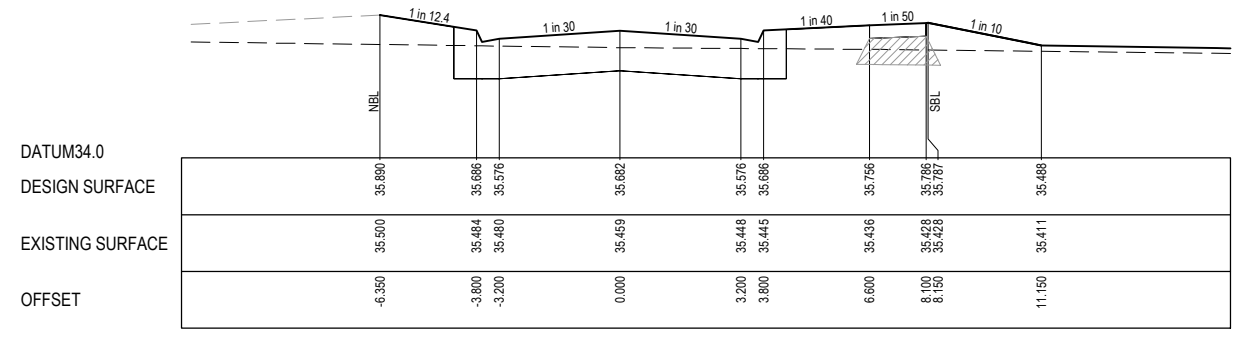
TPCH 378.458



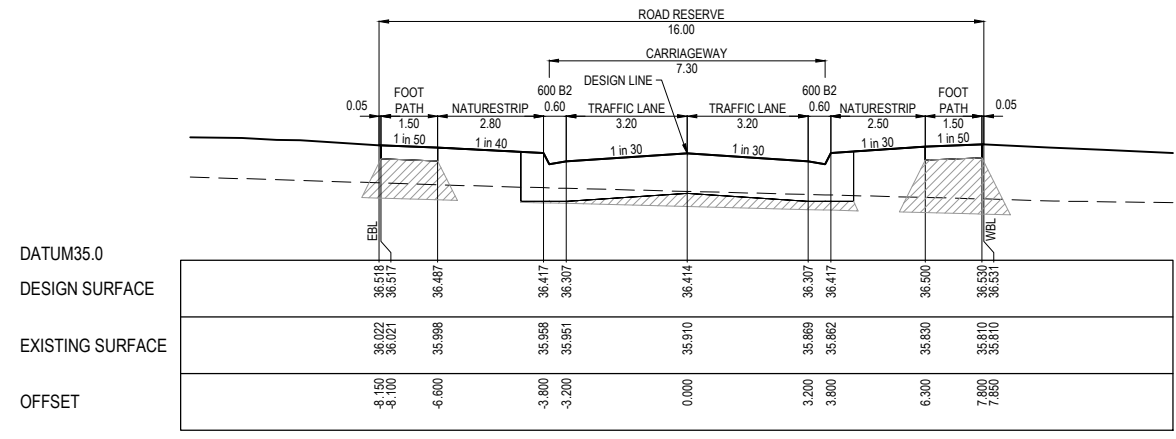
CH 355.499



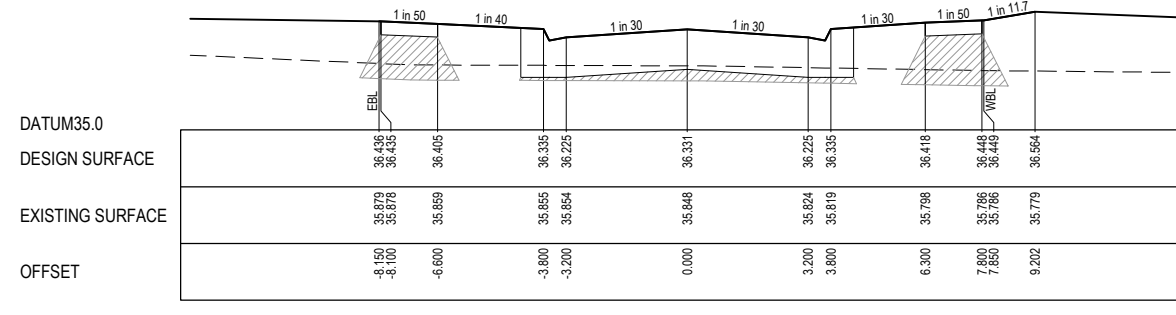
CH 335.000



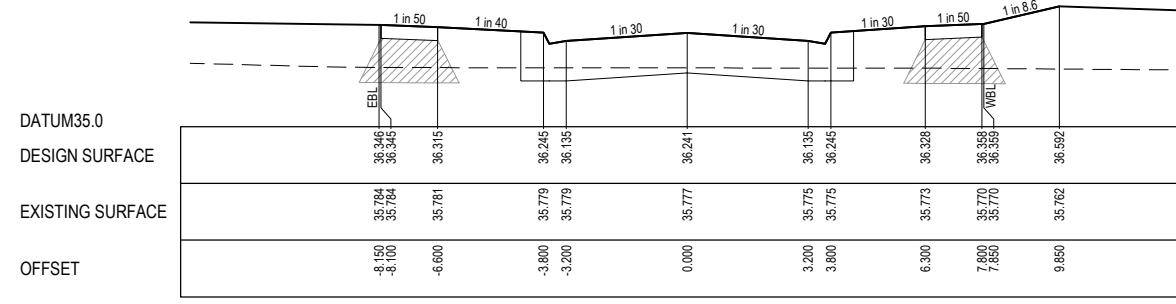
CH 313.493



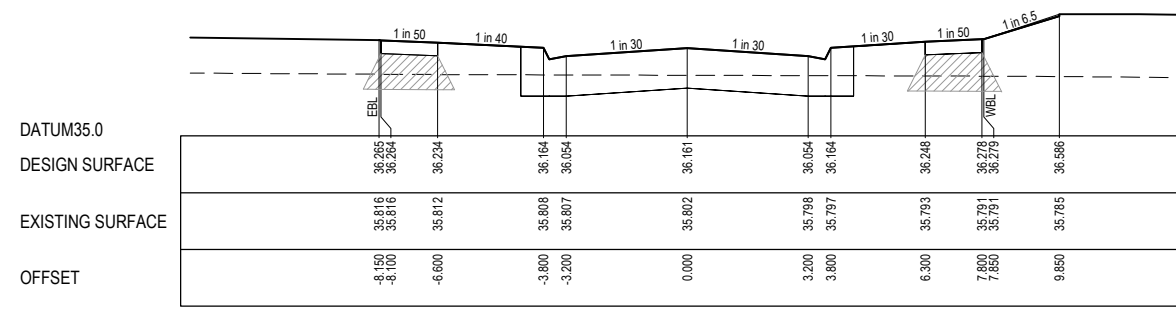
TPCH 452.552



CH 436.088



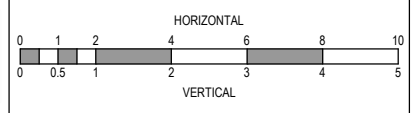
CH 418.088



TPCH 402.062

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Project Details	MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS HEARTSTONE CIRCUIT


Sheet 06 of 13	
Scale: 1:100 H 1:50 V @ A1	
Project Ref	1801767
Stage No	24
Drawing No	200
Rev	A

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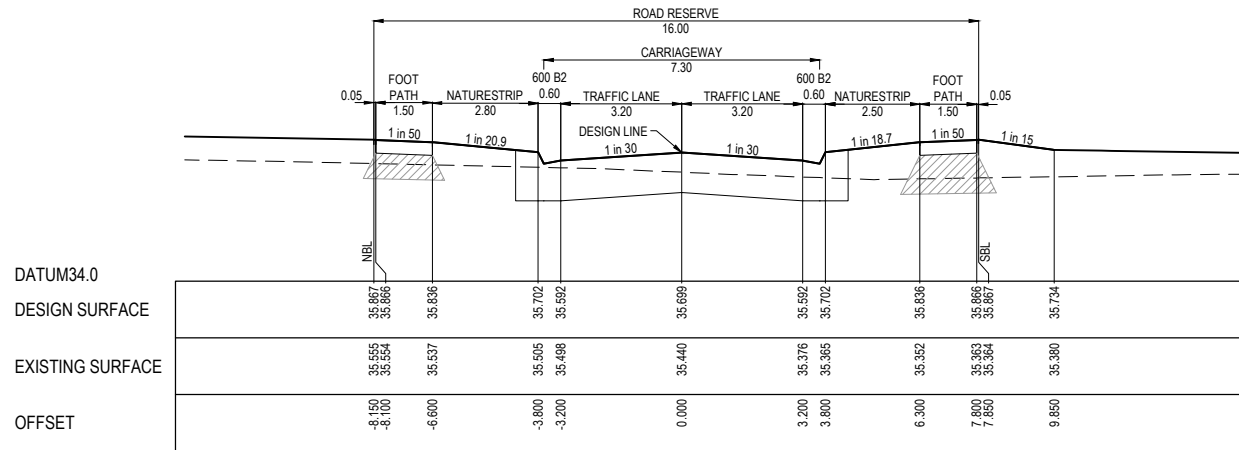
**LEGEND**

--- EXISTING SURFACE

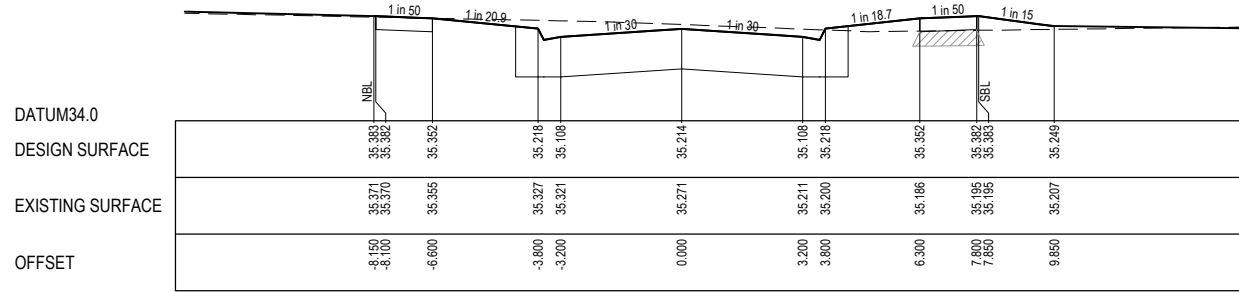
— DESIGN SURFACE

 STRUCTURAL FILL

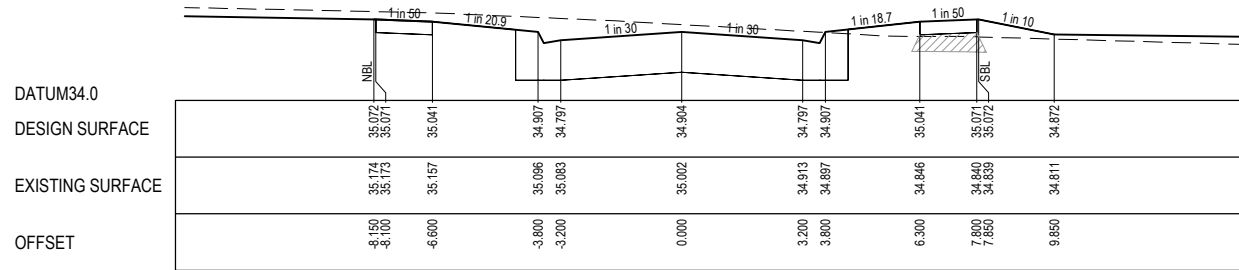
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



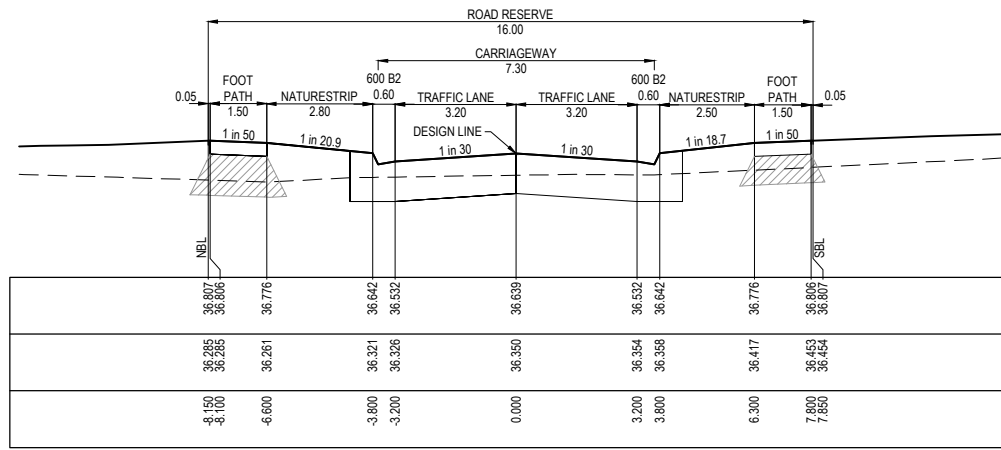
CH 139.913



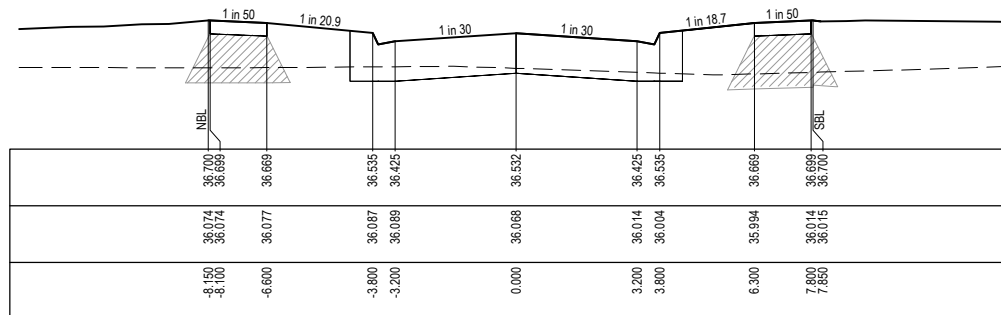
CH 118.913



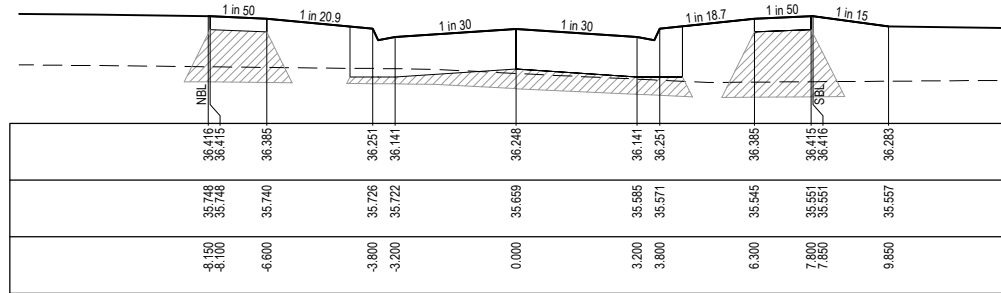
CH 98.013



TPCH 208.503



TPCH 187.063

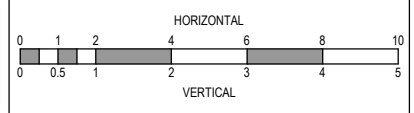


LTPCH 163.463

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					



Designed Date: J. TRINH 19.11.2020  
Drawn: V. MURUGA  
Approved Date: M. FELICIANO 19.11.2020  
PS Number: PS839554B



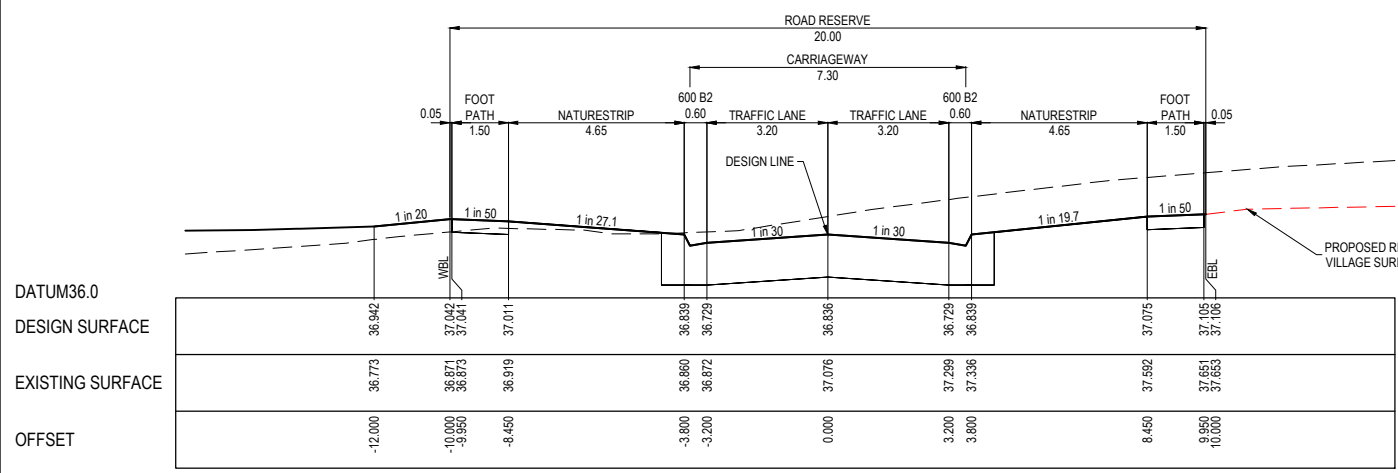
Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS WHISPERING WAY

Sheet 07 of 13  
Scale: 1:100 H 1:50 V @ A1  
Project Ref: 1801767 Stage No: 24 Drawing No: 201 Rev: A

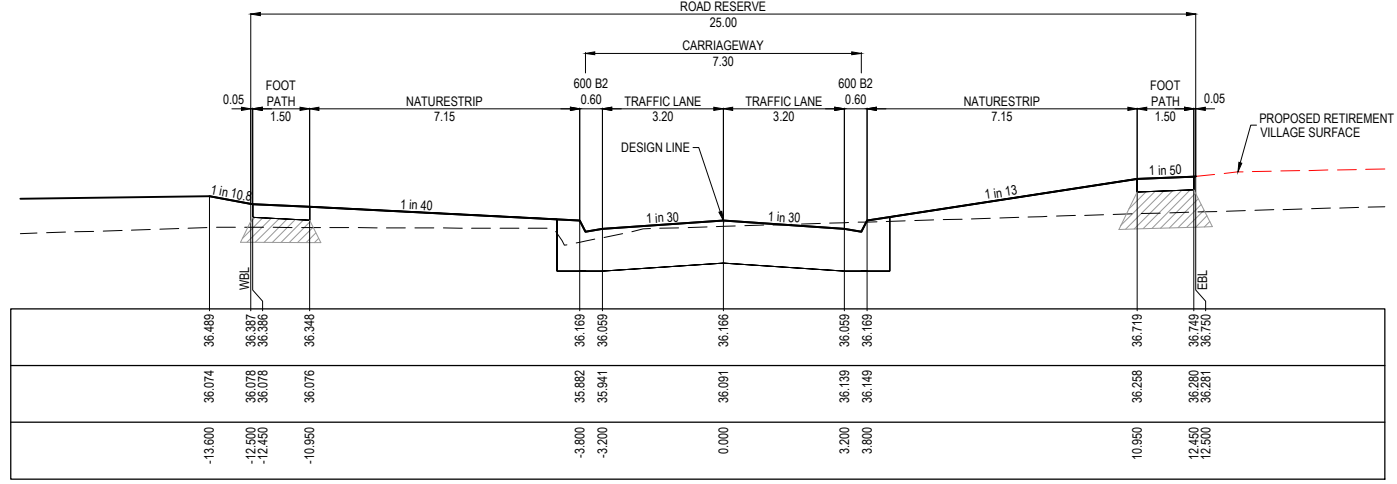
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LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL

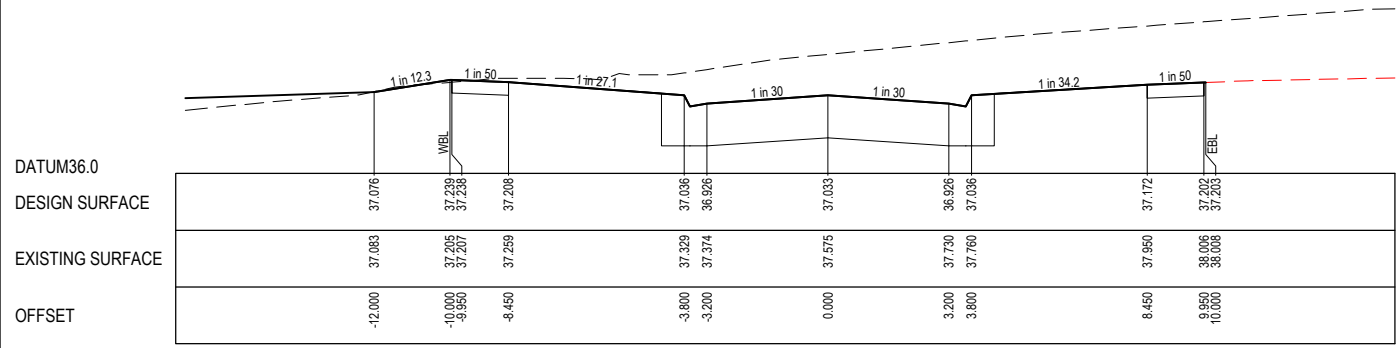
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



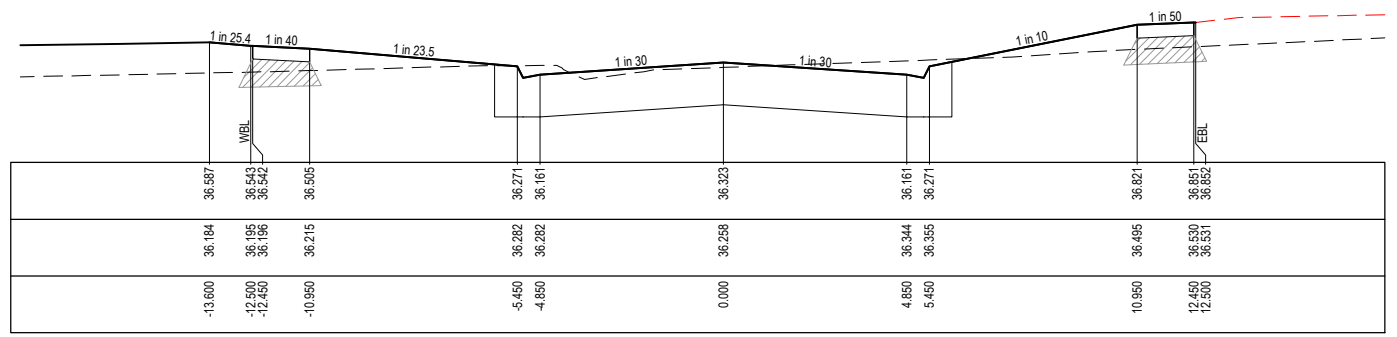
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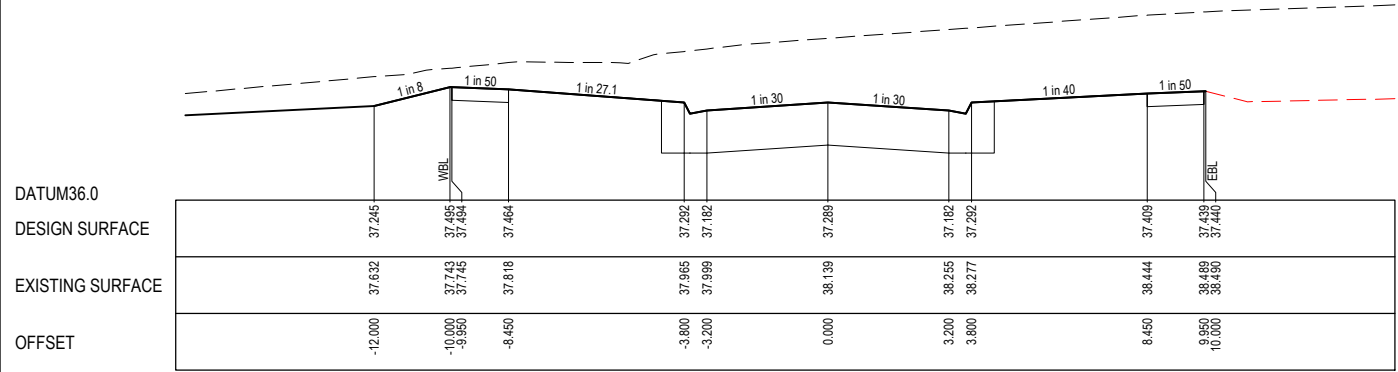
TPCH 339.571



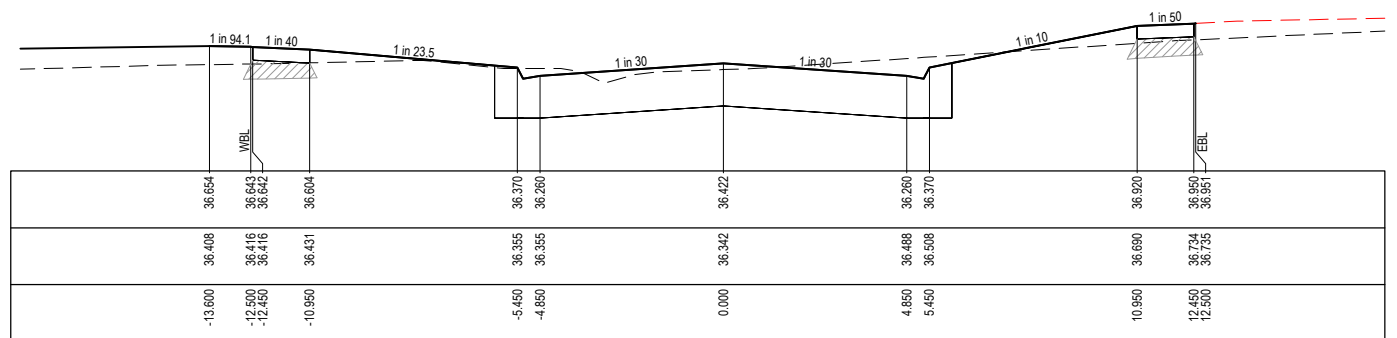
CH 262.000



CH 320.000



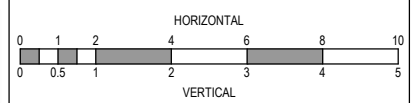
CH 248.000



TPCH 307.581

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					



Designed Date: J. TRINH 19.11.2020  
 Drawn: V. MURUGA  
 Approved Date: M. FELICIANO 19.11.2020  
 PS Number: PS839554B

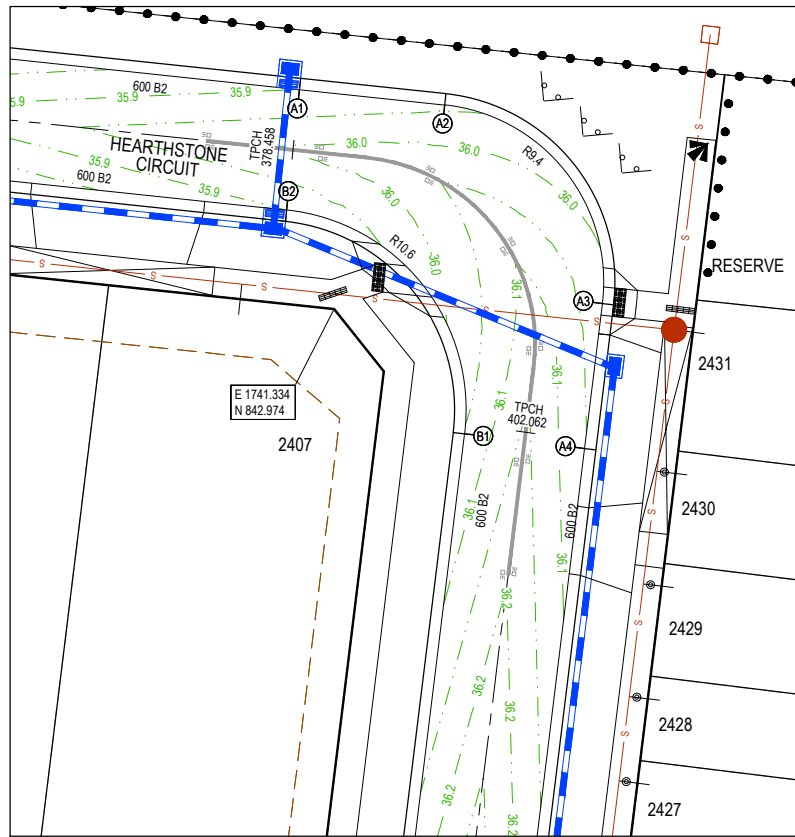


Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
 Drawing Title: ROAD CROSS SECTIONS TWYNAM ROAD

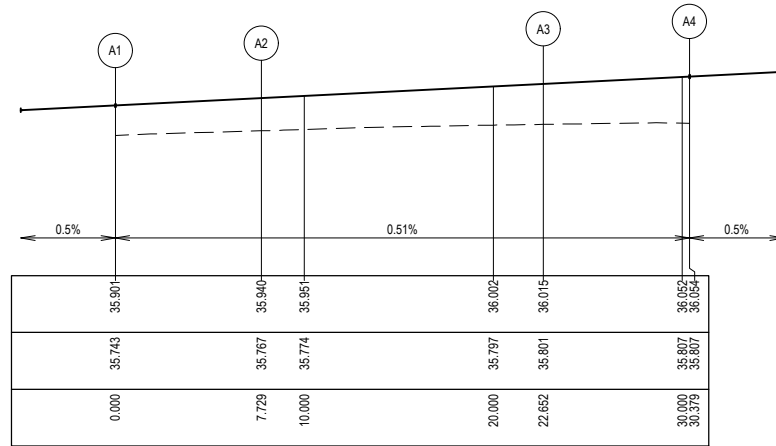
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 Scale: 1:100 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 24 Drawing No: 202 Rev: A

K:\Jobs Data\1801767 - Meridian\_Eng\Stage 24\Drawings\1801767-24-200-RXS.dwg





VERTICAL GEOMETRY  
DATUM RL35  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

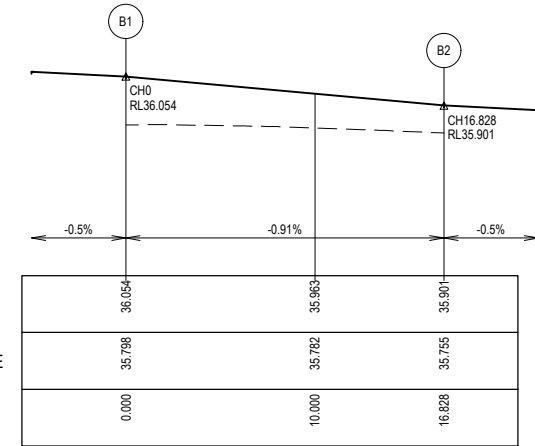


LIP LINE A

Point no	Easting	Northing	RL
A1	1739.496	854.581	35.901
A2	1747.182	853.770	35.940
A3	1755.526	843.279	36.015
A4	1754.587	835.608	36.054

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
A2 - A3	90.961	9.400	14.923	2.809	2.078	3.634	3.069	3.731	35.977

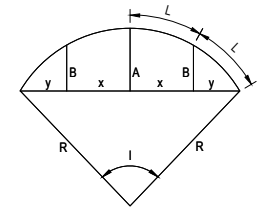
VERTICAL GEOMETRY  
DATUM RL35  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



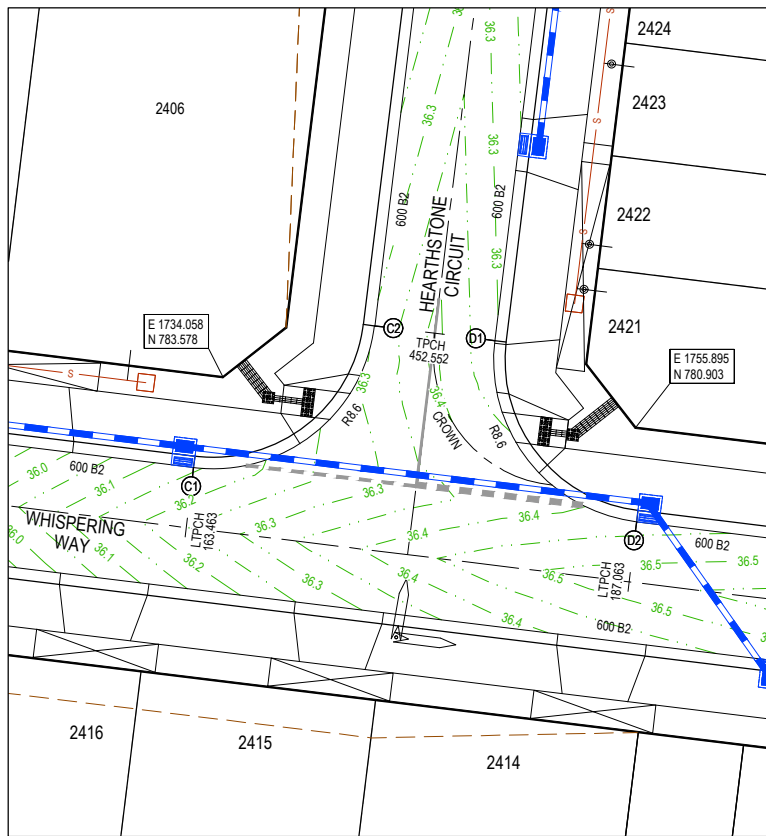
LIP LINE B

Point no	Easting	Northing	RL
B1	1748.234	836.386	36.054
B2	1738.825	848.217	35.901

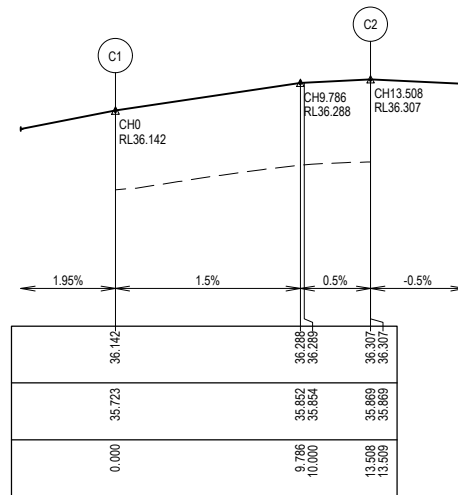
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
B1 - B2	90.961	10.600	16.828	3.168	2.344	4.097	3.460	4.207	35.977



LIP PROFILE SETOUT



VERTICAL GEOMETRY  
DATUM RL35  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



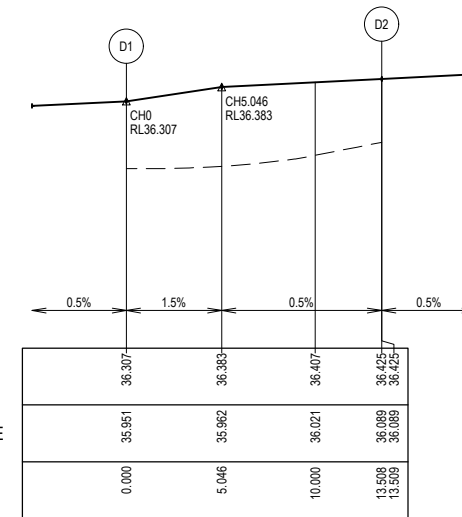
LIP LINE C

LIP LINE C

Point no	Easting	Northing	RL
C1	1732.514	778.780	36.142
C2	1742.095	786.270	36.307

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
C1 - C2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.243

VERTICAL GEOMETRY  
DATUM RL35  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



LIP LINE D

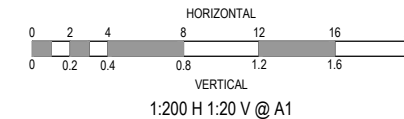
LIP LINE D

Point no	Easting	Northing	RL
D1	1748.448	785.492	36.307
D2	1755.938	775.911	36.425

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.391

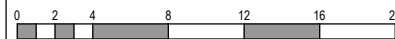
**LEGEND**

- 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	01.02.21	VM	MF					



Designed Date: J. TRINH 19.11.2020  
 Drawn: V. MURUGA  
 Approved Date: M. FELICIANO 19.11.2020  
 PS Number: PS839554B

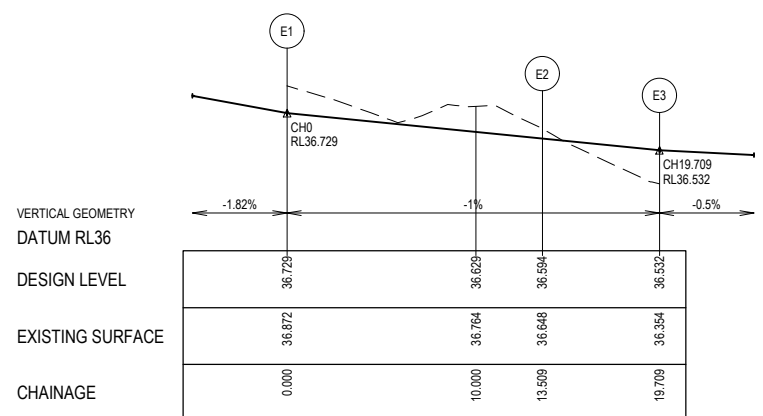
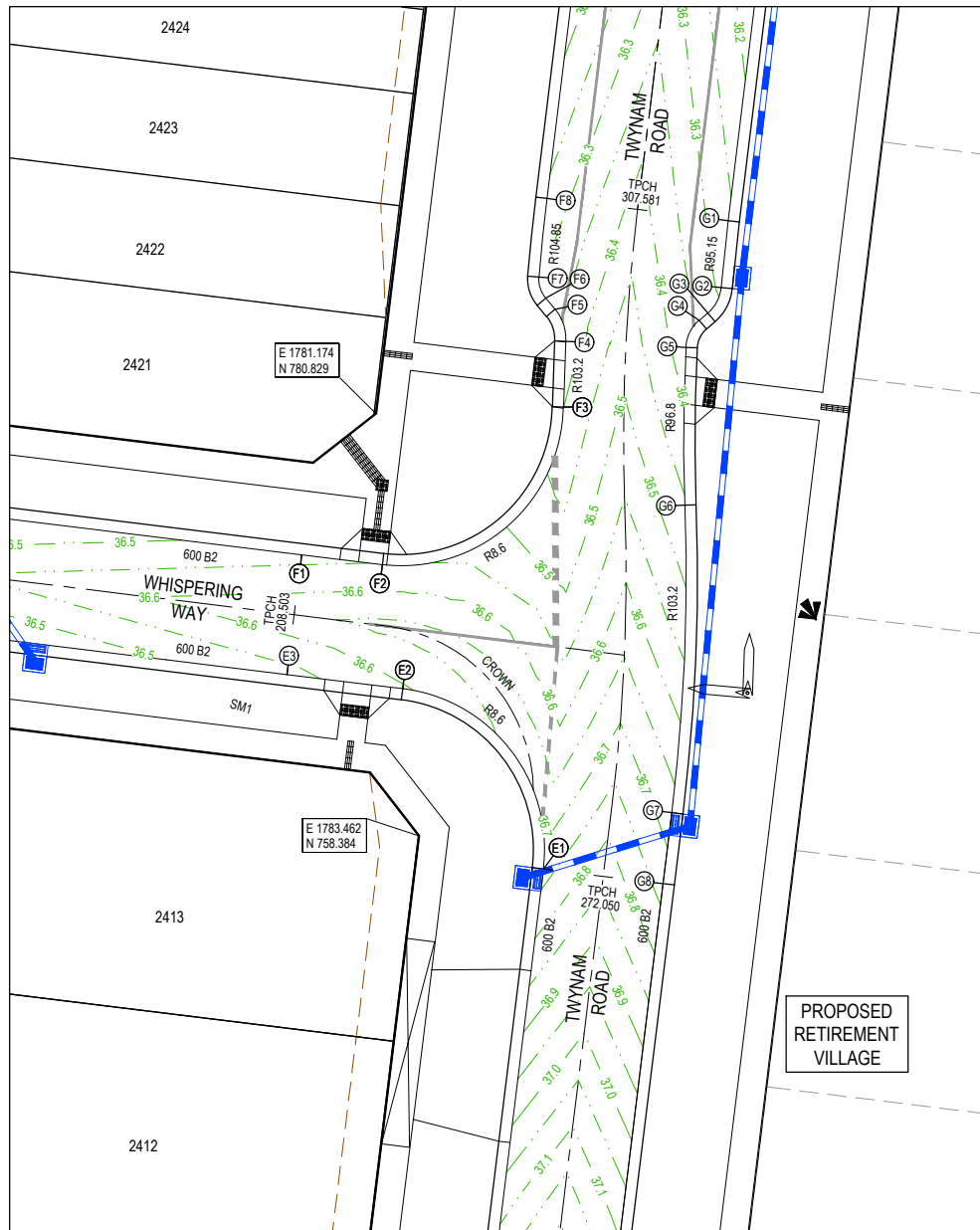


Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
 Drawing Title: INTERSECTION DETAILS (SHEET 1 OF 2)

Sheet 09 of 13  
 Scale: 1:200 @ A1  
 Project Ref: 1801767 Stage No: 24 Drawing No: 300 Rev: A



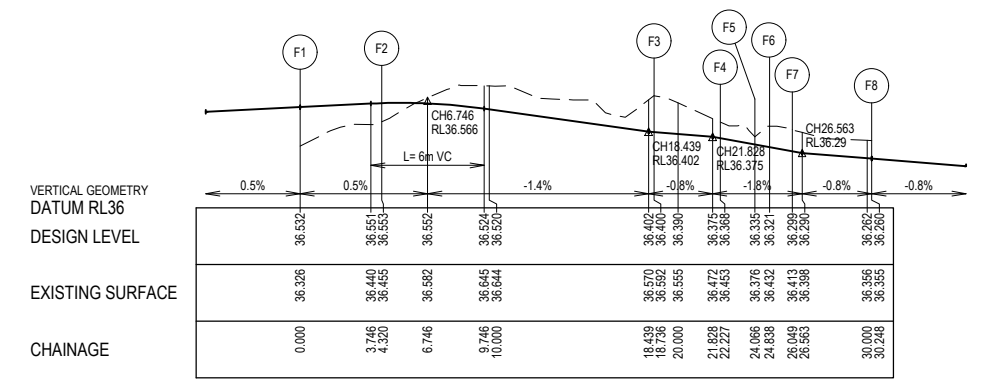
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LIP LINE E

Point no	Easting	Northing	RL
E1	1790.096	756.614	36.729
E2	1782.605	766.196	36.594
E3	1776.451	766.950	36.532

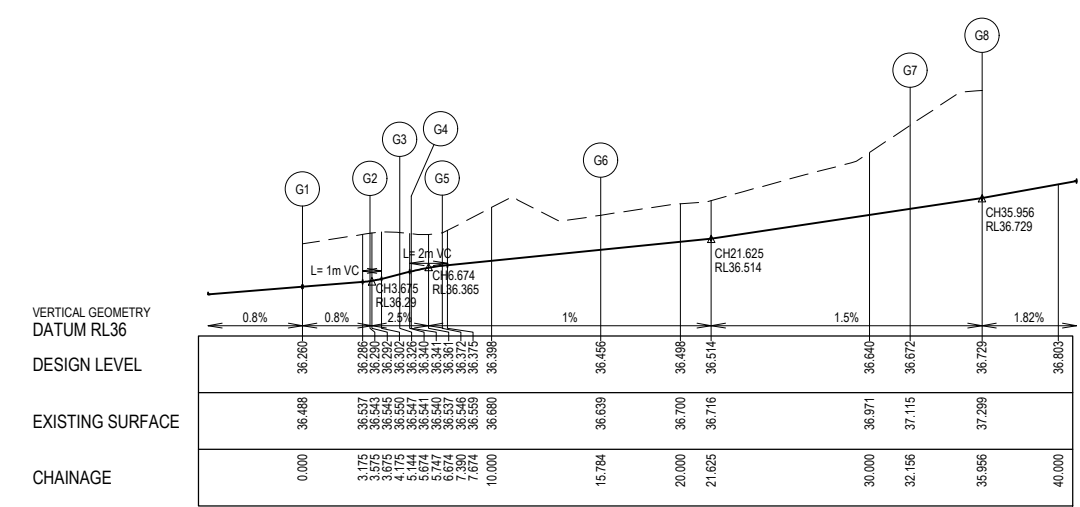
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
E1-E2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	36.662



LIP LINE F

Point no	Easting	Northing	RL
F1	1777.229	773.303	36.532
F2	1781.518	772.777	36.553
F3	1791.162	781.172	36.400
F4	1791.279	784.661	36.368
F5	1790.707	786.364	36.335
F6	1790.210	786.954	36.321
F7	1789.852	788.079	36.299
F8	1790.281	792.236	36.260

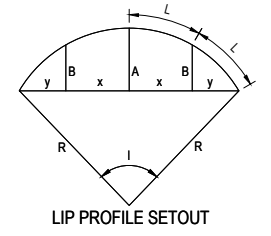
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
F2-F3	96.039	8.600	14.415	2.848	2.104	3.499	2.894	3.604	36.499
F3-F4	1.938	103.201	3.491	0.015	0.011	0.873	0.873	0.873	36.386
F4-F5	43.020	2.450	1.840	0.171	0.128	0.457	0.441	0.460	36.351
F6-F7	44.769	1.550	1.211	0.117	0.087	0.301	0.289	0.303	36.310
F7-F8	2.295	104.850	4.199	0.021	0.016	1.050	1.050	1.050	36.277



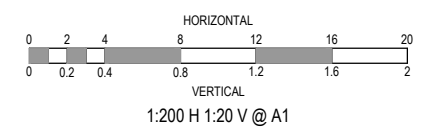
LIP LINE G

Point no	Easting	Northing	RL
G1	1799.908	791.075	36.260
G2	1799.539	787.519	36.290
G3	1798.838	786.161	36.326
G4	1798.377	785.772	36.341
G5	1797.671	784.339	36.372
G6	1797.612	775.948	36.456
G7	1796.910	759.607	36.672
G8	1796.448	755.836	36.729

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
G1-G2	2.153	95.150	3.575	0.017	0.013	0.894	0.894	0.894	36.275
G2-G3	44.933	2.000	1.568	0.152	0.113	0.390	0.375	0.382	36.307
G4-G5	47.087	2.000	1.644	0.166	0.124	0.408	0.391	0.411	36.359
G5-G6	4.968	96.800	8.394	0.091	0.068	2.098	2.097	2.098	36.414
G6-G7	9.090	103.200	16.373	0.325	0.243	4.092	4.086	4.093	36.549

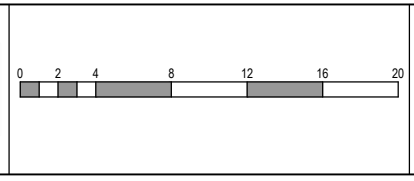
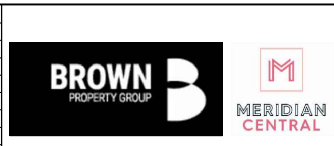


- LEGEND
- STORMWATER DRAIN, PIT & PROPERTY INLET
  - MELBOURNE WATER DRAIN & PIT
  - SWALE DRAIN
  - SEWER & MAINTENANCE STRUCTURES
  - HOUSE DRAIN
  - TACTILE PAVERS (INDICATIVE ONLY)
  - EXISTING HOUSE DRAIN
  - RETAINING WALL
  - PAVEMENT TREATMENT
  - CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO 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	01.02.21	VM	MF					



Designed: J. TRINH  
Date: 19.11.2020

Drawn: V. MURUGA

Approved: M. FELICIANO  
Date: 19.11.2020

PS Number: PS839554B

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

Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 24  
CITY OF CASEY

Drawing Title: INTERSECTION DETAILS  
(SHEET 2 OF 2)

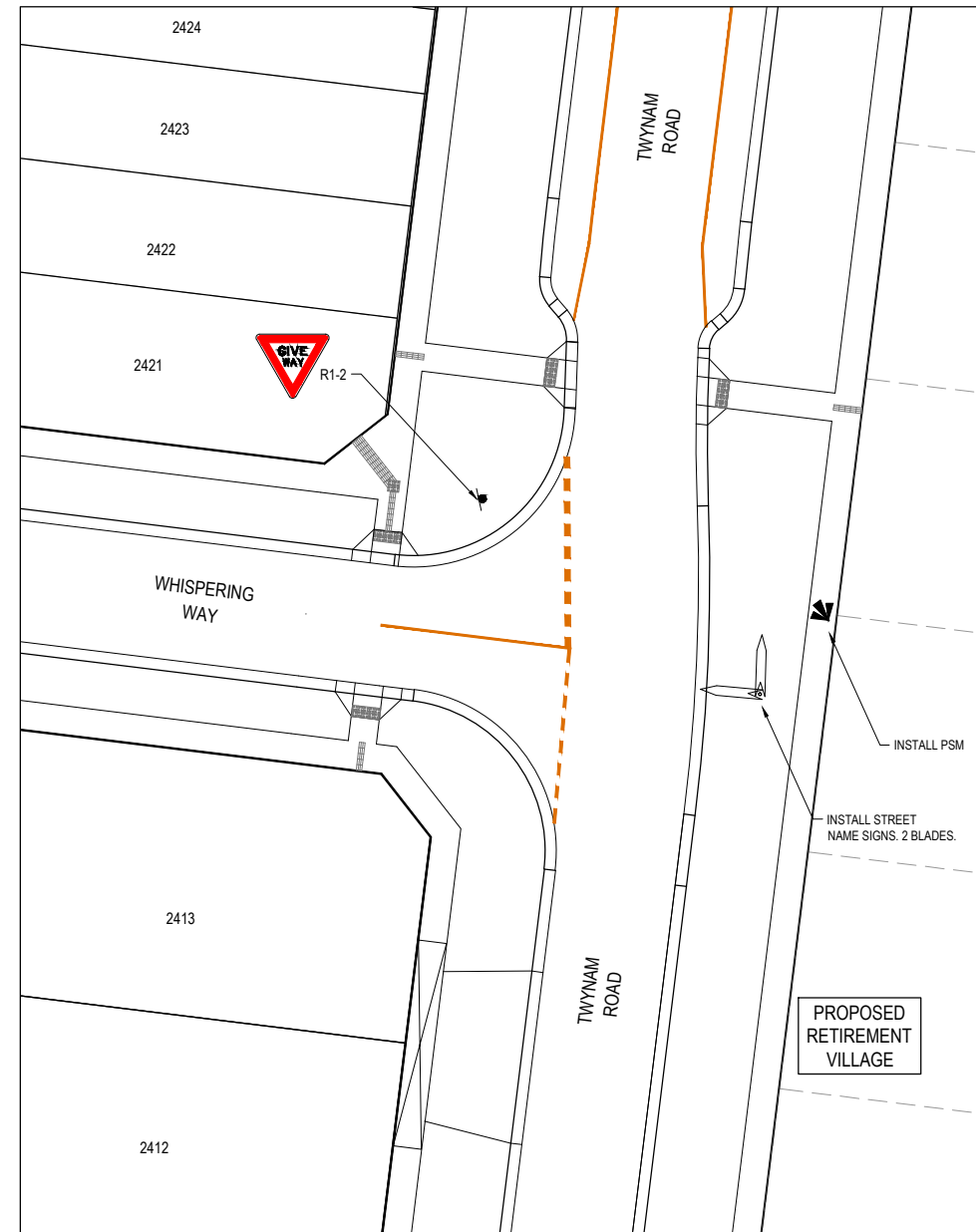
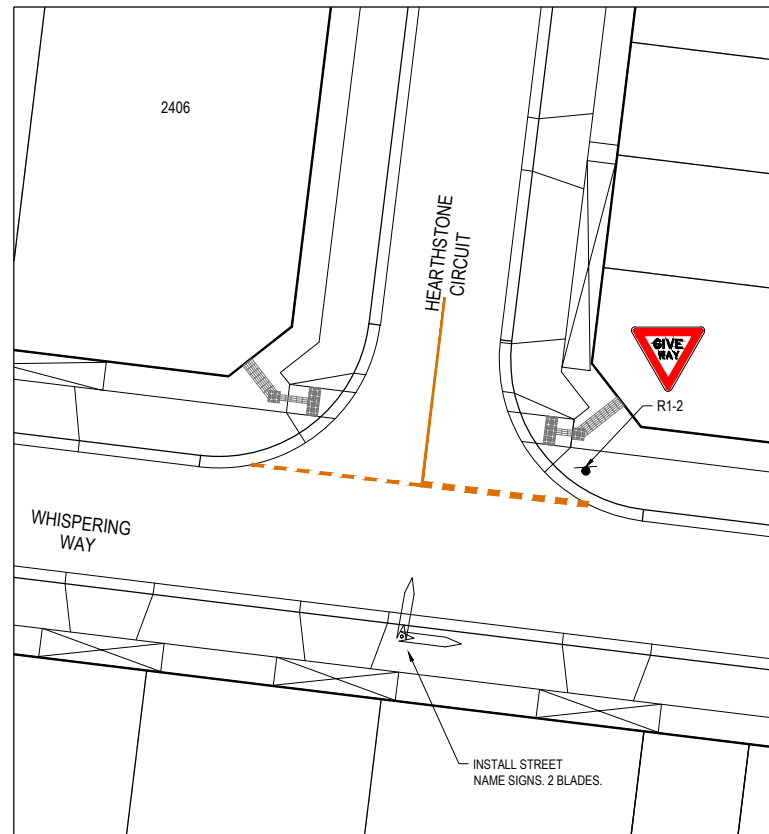
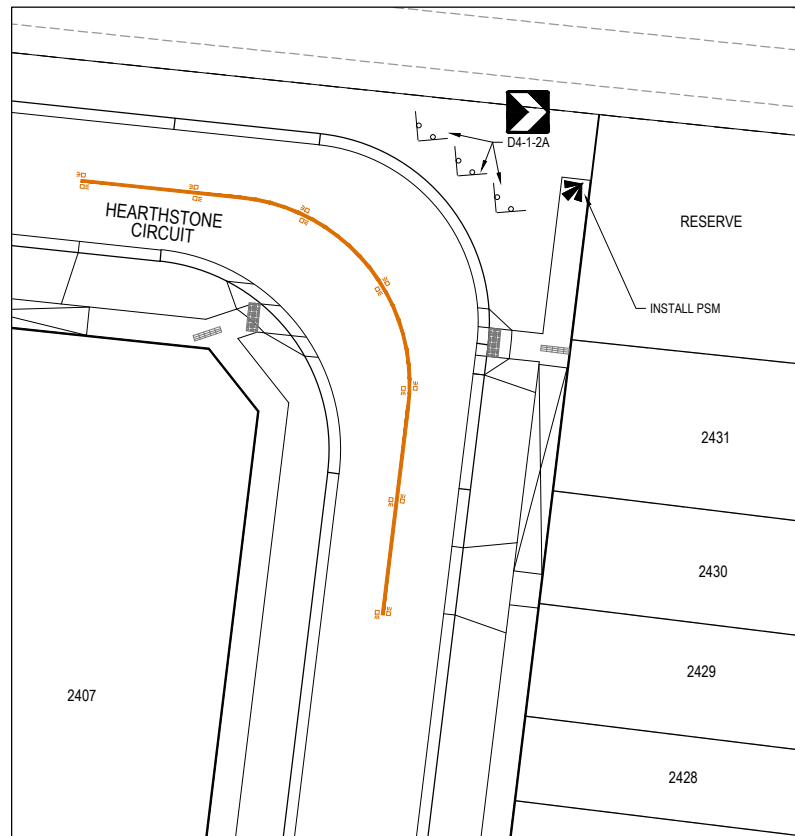
Sheet 10 of 13

Scale: 1:200 @ A1

Project Ref: 1801767  
Stage No: 24  
Drawing No: 301  
Rev: A



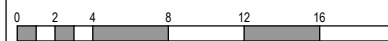
K:\Jobs Data\1801767 - Meridian\_Eng\Stage 24\Drawings\1801767-24-300-INT.dwg



- NOTES**
1. RRPMS AT MAX 6m SPACING.
  2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
  3. LINEMARKING IN ACCORDANCE WITH AS1742.
  4. TGS TO BE INSTALLED IN ACCORDANCE WITH VICROADS RDN 06-06 - JULY 2010
  5. ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
  6. 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.

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A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					



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 Drawn: V. MURUGA  
 Approved Date: M. FELICIANO 19.11.2020  
 PS Number: PS839554B



Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
 Drawing Title: SIGNAGE & LINE MARKING PLANS

Sheet 11 of 13

Scale: 1:200 @ A1

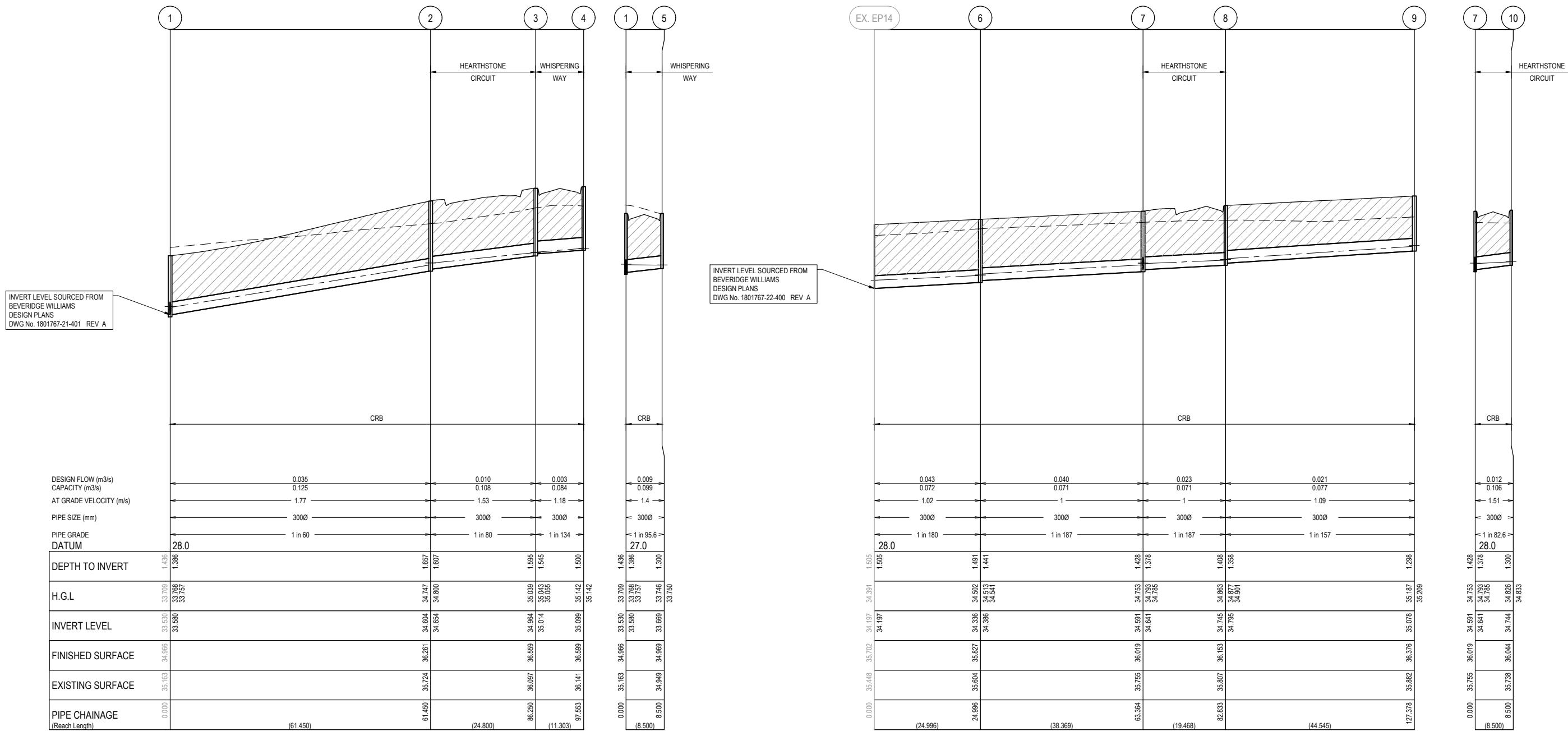
Project Ref: 1801767 Stage No: 24 Drawing No: 350 Rev: A



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

**LEGEND**

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



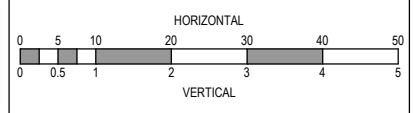
INVERT LEVEL SOURCED FROM BEVERIDGE WILLIAMS DESIGN PLANS DWG No. 1801767-21-401 REV A

INVERT LEVEL SOURCED FROM BEVERIDGE WILLIAMS DESIGN PLANS DWG No. 1801767-22-400 REV A

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					



Designed Date: J. TRINH 19.11.2020  
 Drawn: V. MURUGA  
 Approved Date: M. FELICIANO 19.11.2020  
 PS Number: PS839554B

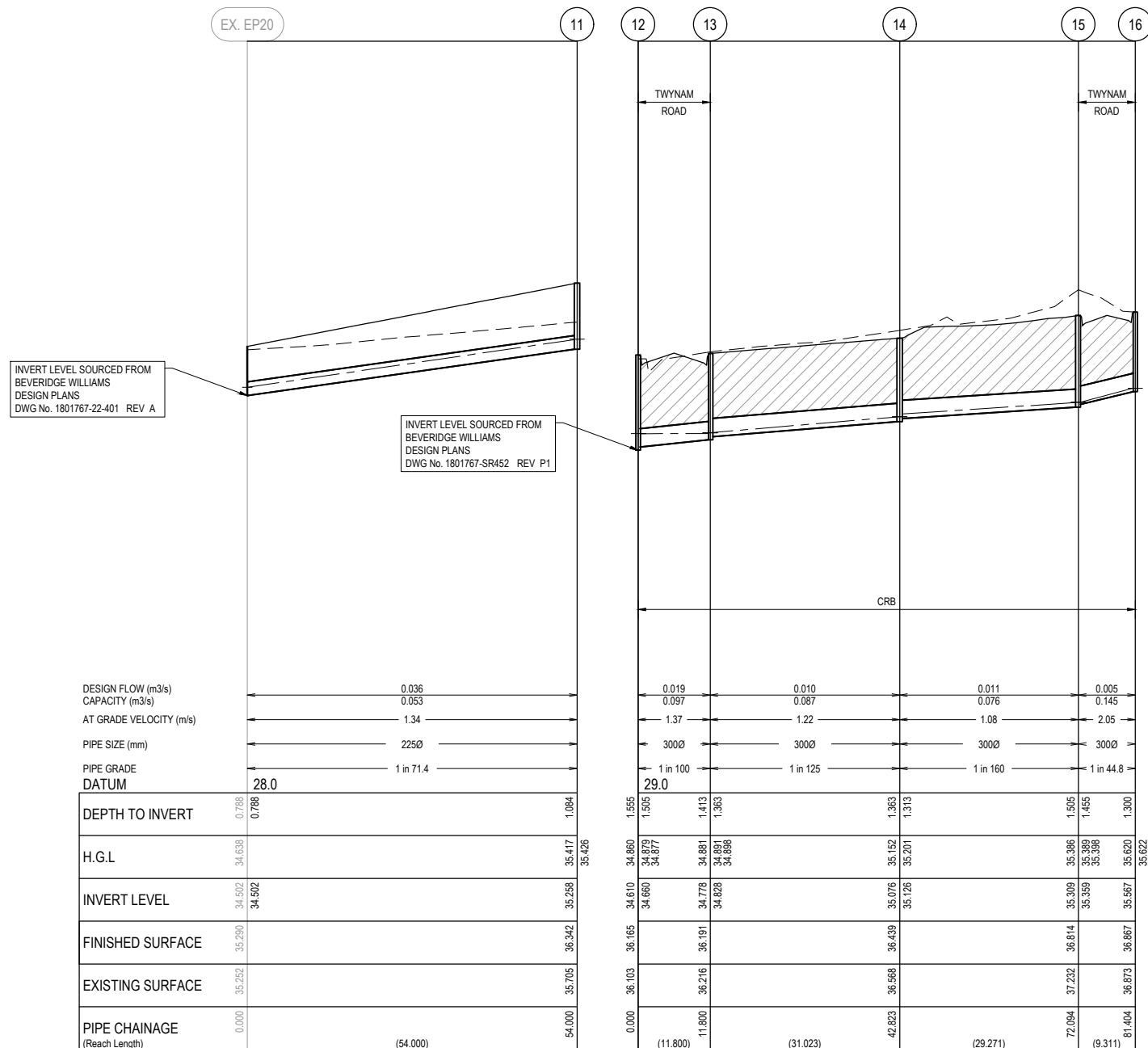
**BW Beveridge Williams**  
 1 Glenferrie Road  
 Malvern VIC 3144  
 ph: 03 9524 8888  
 www.beveridgewilliams.com.au

Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)

Sheet 12 of 13  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 24 Drawing No: 400 Rev: A

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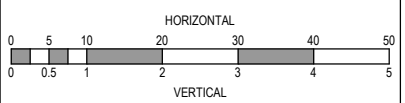
LEGEND	
---	EXISTING SURFACE
---	DESIGN SURFACE
---	DRAINAGE PIPE/PIT
---	EXISTING DRAINAGE PIPE/PIT
---	HYDRAULIC GRADE LINE



PIT NUMBER	TYPE	INTERNAL		INLET		OUTLET		F.S.L	DEPTH (m)	STANDARD DRAWING	REMARKS
		WIDTH (mm)	LENGTH (mm)	DIAMETER (mm)	INV R.L. (mm)	DIAMETER (mm)	INV R.L. (mm)				
1	GRATED ENTRY PIT	600	900	300	33.580	300	33.530	34.966	1.436	EDCM 601	CONSTRUCT DRAINAGE PIT OVER EXISTING ENDPIT
2	GRATED ENTRY PIT	600	900	300	34.654	300	34.604	36.261	1.657	EDCM 601	
3	GRATED ENTRY PIT	600	900	300	35.014	300	34.964	36.559	1.595	EDCM 601	
4	GRATED ENTRY PIT	600	900			300	35.099	36.559	1.500	EDCM 601	HOUSE DRAIN TO BE CONSTRUCTED AT IL35.40 AND GRADED 1 IN 50 TO CORNER OF SUBSTATION SITE. ENSURE VERTICAL CLEARANCES TO HV AND LV ARE MET
5	GRATED ENTRY PIT	600	900			300	33.669	34.969	1.300	EDCM 601	
Ex. EP14	ENDPIPE			300	34.197			35.702	1.505		CONNECT INTO EXISTING ENDPIT
6	GRATED ENTRY PIT	600	900	300	34.386	300	34.336	35.827	1.491	EDCM 601	
7	GRATED ENTRY PIT	600	900	300	34.641	300	34.591	36.019	1.428	EDCM 601	
8	JUNCTION PIT	600	900	300	34.795	300	34.745	36.153	1.408	EDCM 605	INSTALL GATIC LID (CLASS D). PIT COVER TO MATCH THE VEHICLE CROSSING SURFACE.
9	GRATED ENTRY PIT	600	900			300	35.078	36.376	1.298	EDCM 601	INSTALL GATIC LID (CLASS D). PIT COVER TO MATCH THE VEHICLE CROSSING SURFACE.
10	GRATED ENTRY PIT	600	900			300	34.744	36.044	1.300	EDCM 601	
Ex. EP20	ENDPIPE			225	34.502			35.290	0.788		CONNECT INTO EXISTING ENDPIT
11	JUNCTION PIT	600	900			225	35.258	36.342	1.084	EDCM 605	
12	GRATED ENTRY PIT	600	900	300	34.660	300	34.610	36.165	1.555	EDCM 601	CONSTRUCT DRAINAGE PIT OVER EXISTING ENDPIT
13	GRATED ENTRY PIT	600	900	300	34.828	300	34.778	36.191	1.413	EDCM 601	
14	JUNCTION PIT	600	900	300	35.126	300	35.076	36.439	1.363	EDCM 605	
15	GRATED ENTRY PIT	600	900	300	35.359	300	35.309	36.814	1.505	EDCM 601	
16	GRATED ENTRY PIT	600	900	300	35.567	300	35.567	36.867	1.300	EDCM 601	

ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	01.02.21	VM	MF					



Designed Date: J. TRINH 19.11.2020  
 Drawn: V. MURUGA  
 Approved Date: M. FELICIANO 19.11.2020  
 PS Number: PS839554B



Project Details: MERIDIAN CENTRAL ESTATE STAGE 24 CITY OF CASEY  
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS AND PIT SCHEDULE (SHEET 2 OF 2)

Sheet 13 of 13  
 Scale: 1:500 H 1:50 V @ A1  
 Project Ref: 1801767 Stage No: 24 Drawing No: 401 Rev: A