

MERIDIAN CENTRAL ESTATE - STAGE 38

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 tree planting 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 outlet 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.
- 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. 100m 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.

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E	DRAWING INDEX UPDATED	03.07.23	M.F	M.F
D	DRAWING INDEX UPDATED	11.04.23	M.F	M.F
C	DRAWING INDEX UPDATED	01.02.23	M.F	M.F
B	DRAWING INDEX UPDATED	22.12.22	M.F	M.F
A	ISSUED FOR CONSTRUCTION	28.11.22	M.F	M.F
REV	DESCRIPTION	DATE	DRN.	APP.
				REV

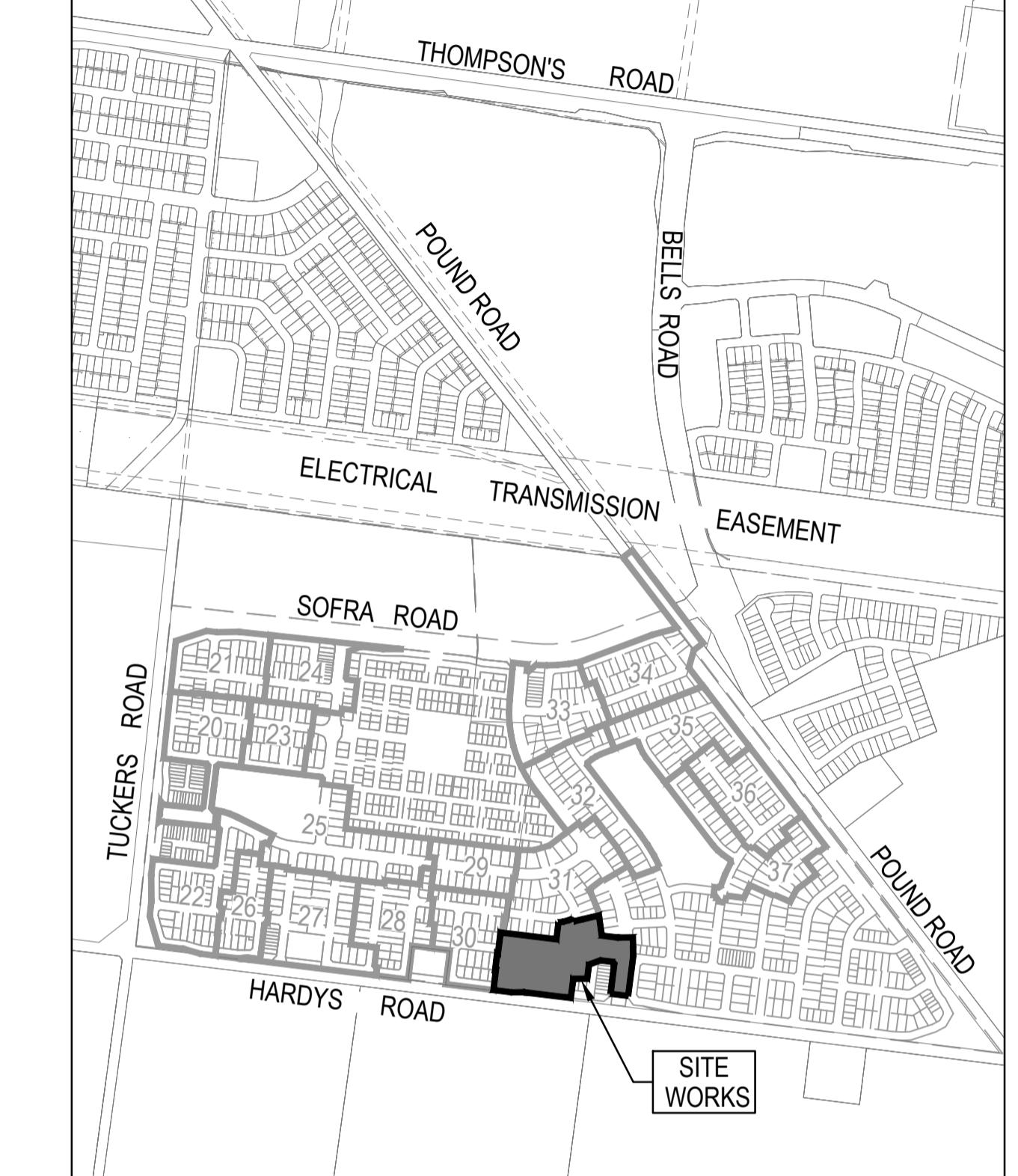


Designed S. LOTAY
Date 15.07.2022
Drawn M.F. JAURIGUE
Approved M. FELICIANO
Date 18.07.2022
PS Number PS902139P

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title
COVER SHEET

Sheet 01 of 24
Scale
Project Ref 1801767 Stage No 38 Drawing No 001 Rev E



SITE PLAN

NOT TO SCALE
MELWAY REF: 135 F4

Survey Origin:

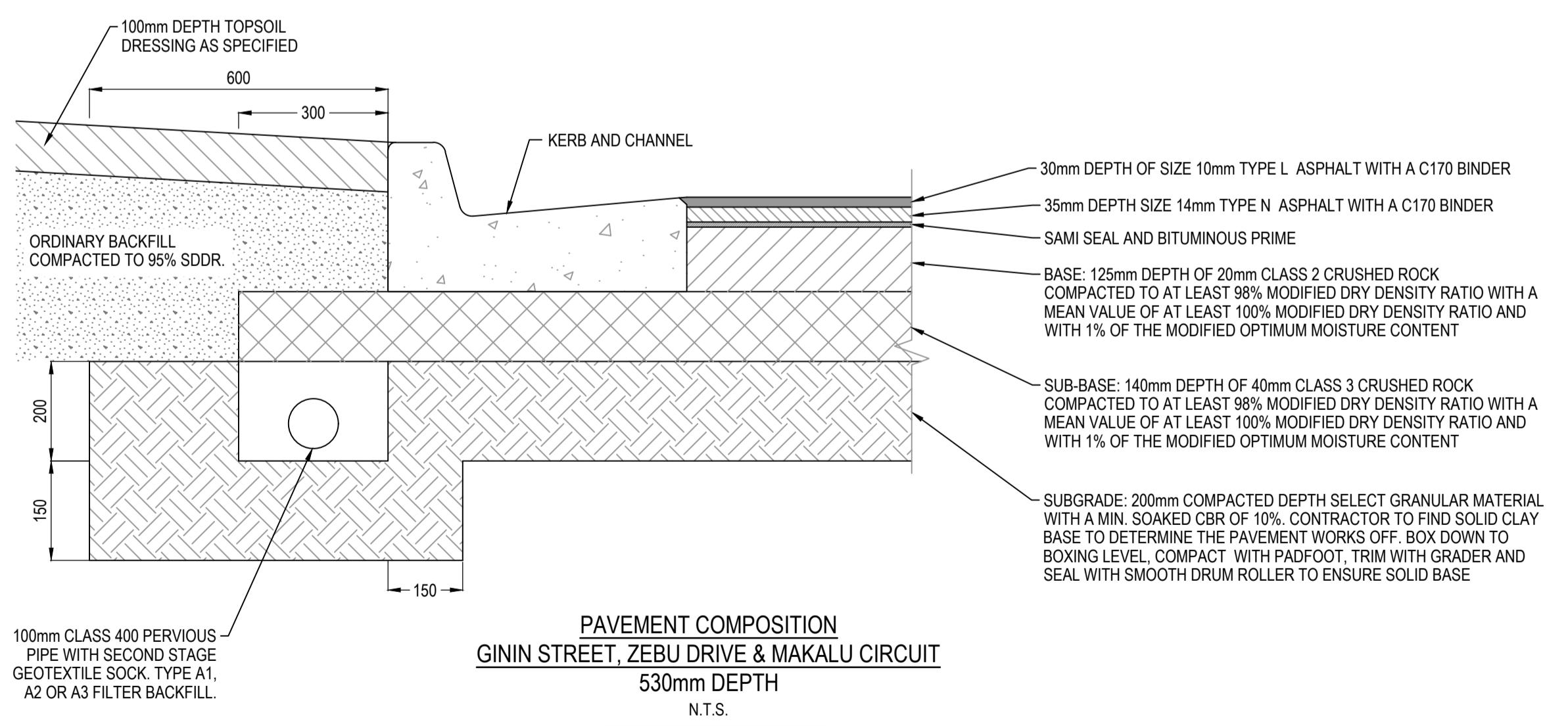
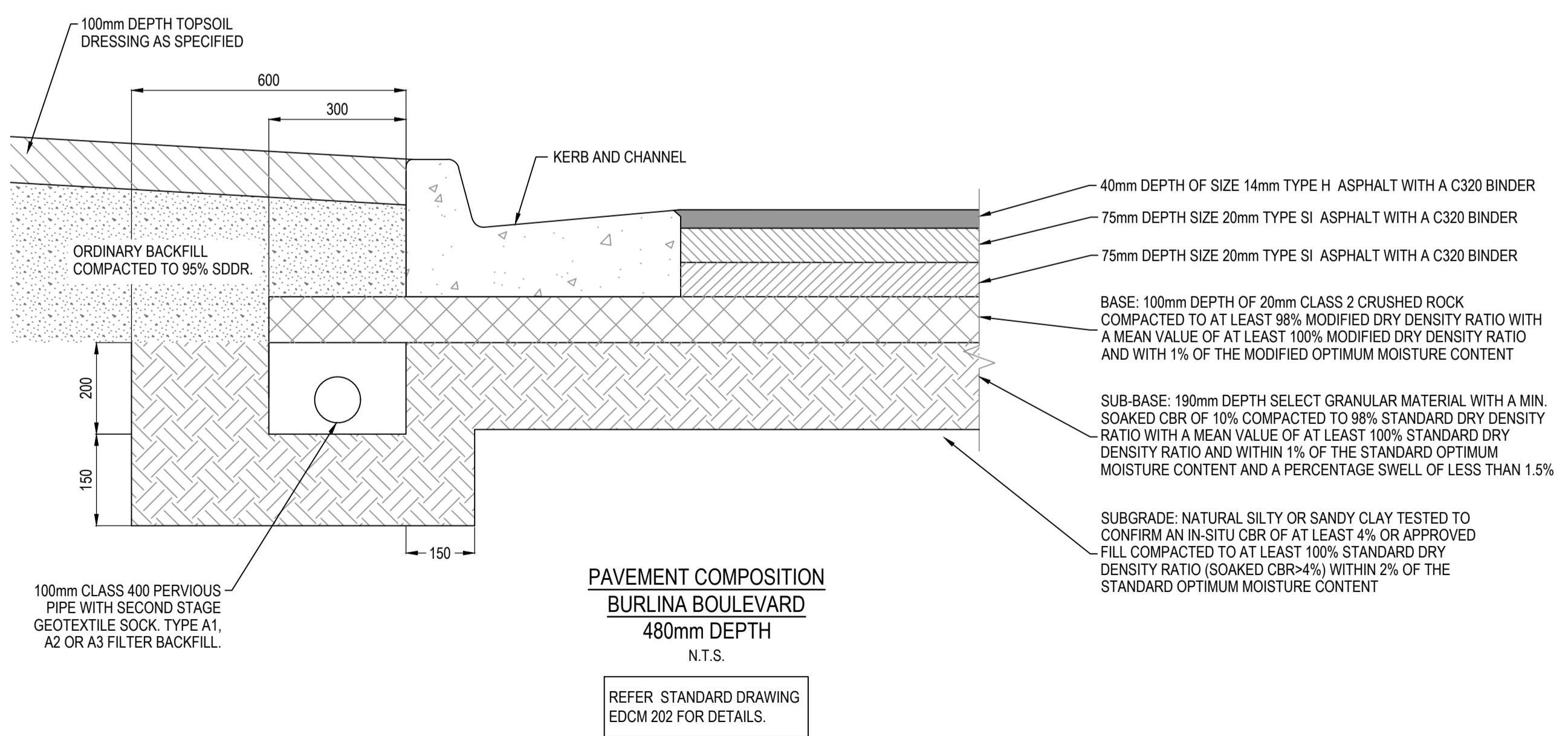
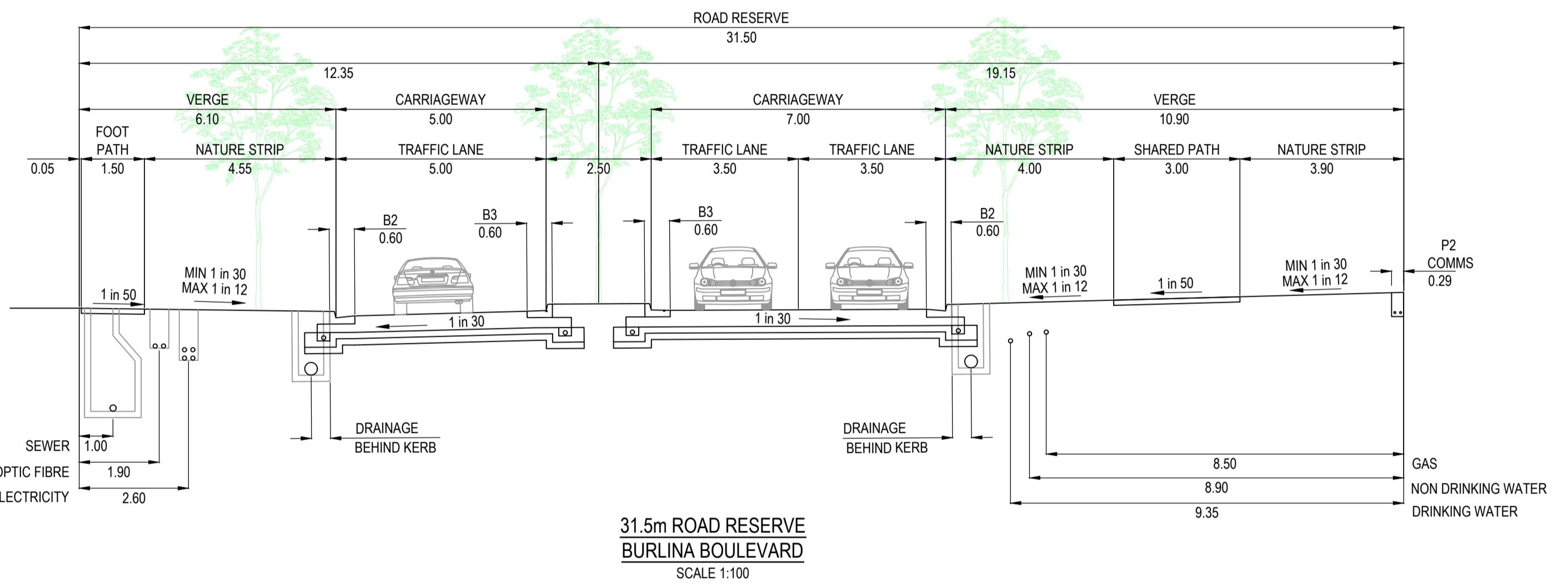
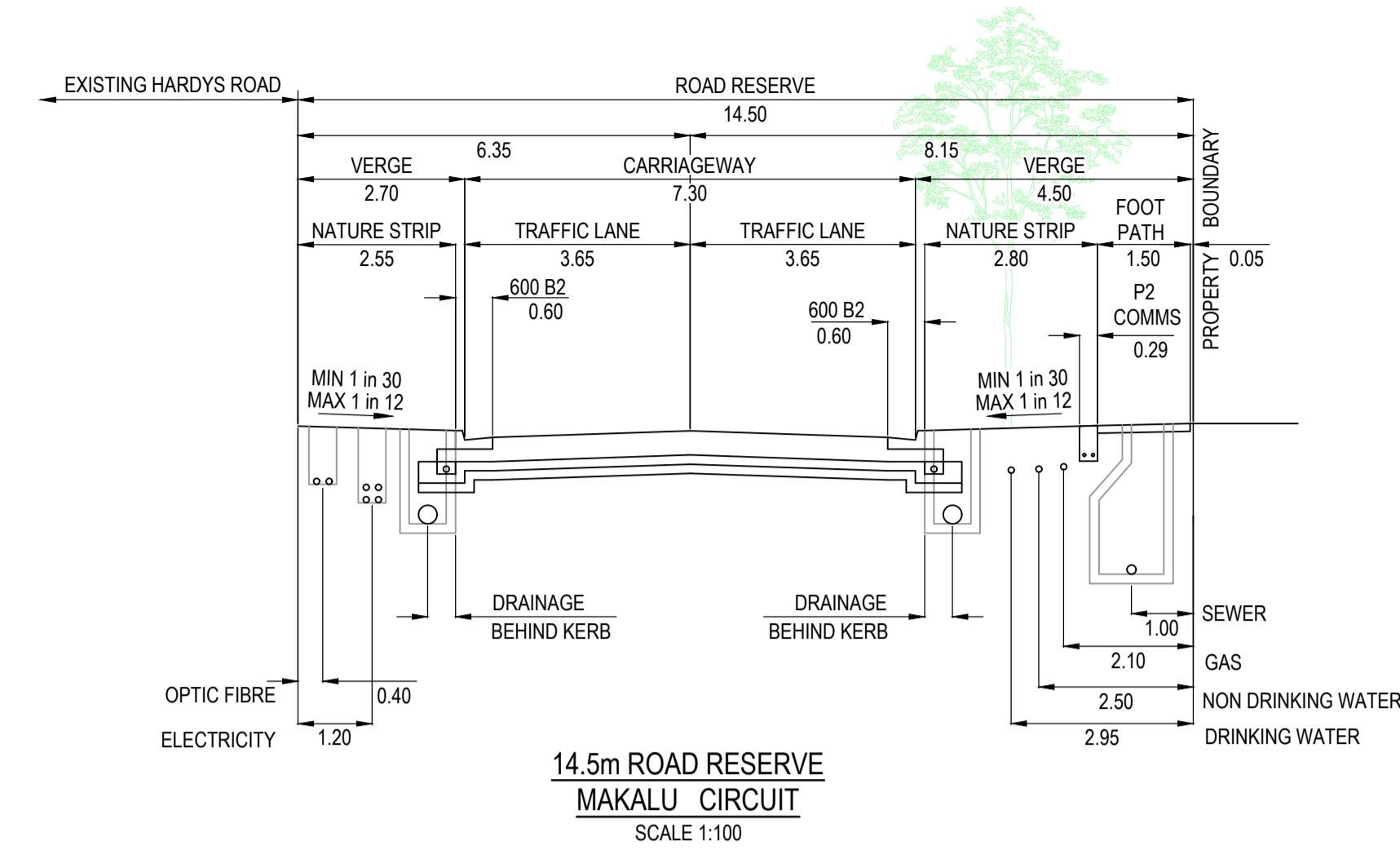
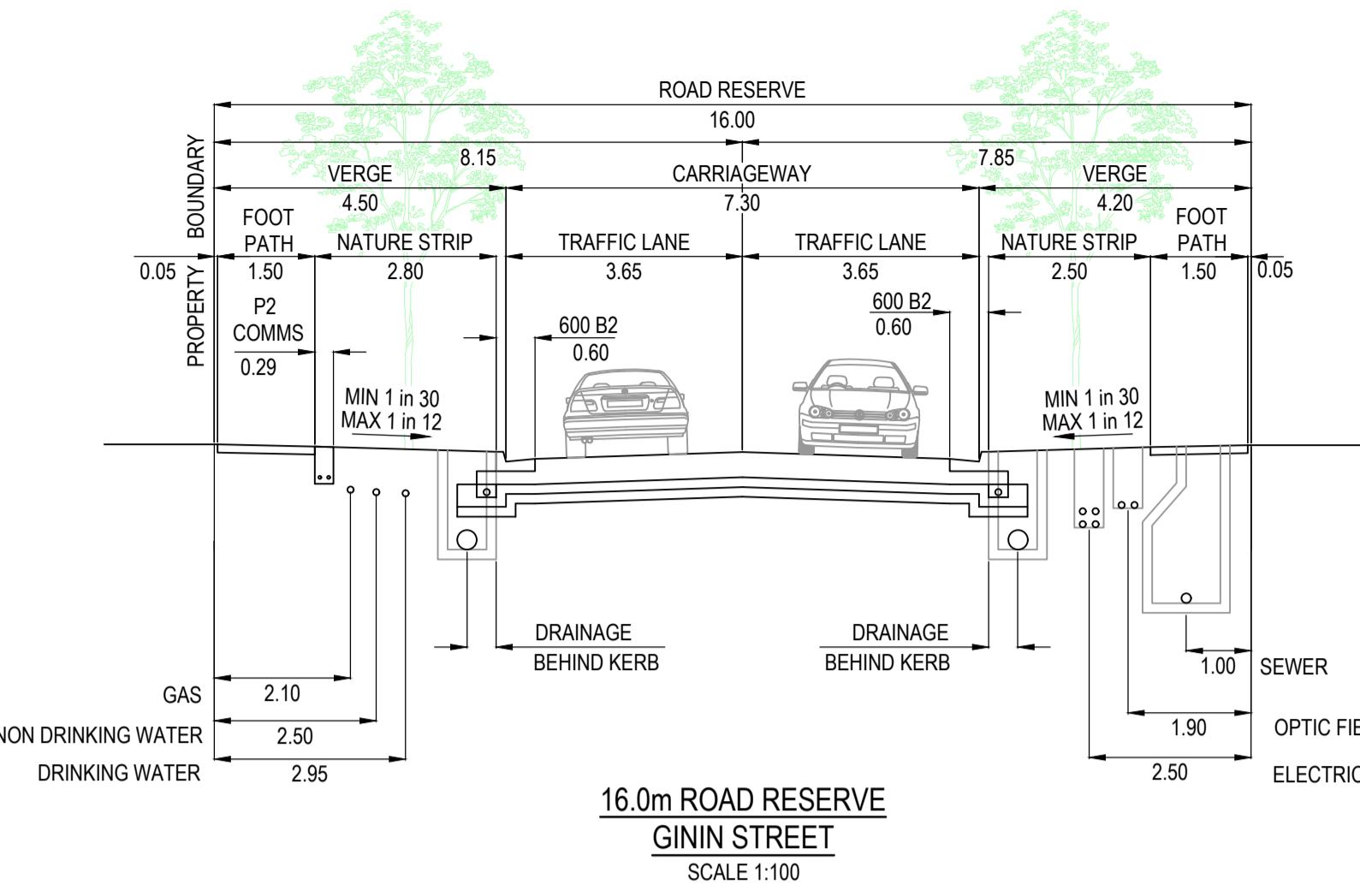
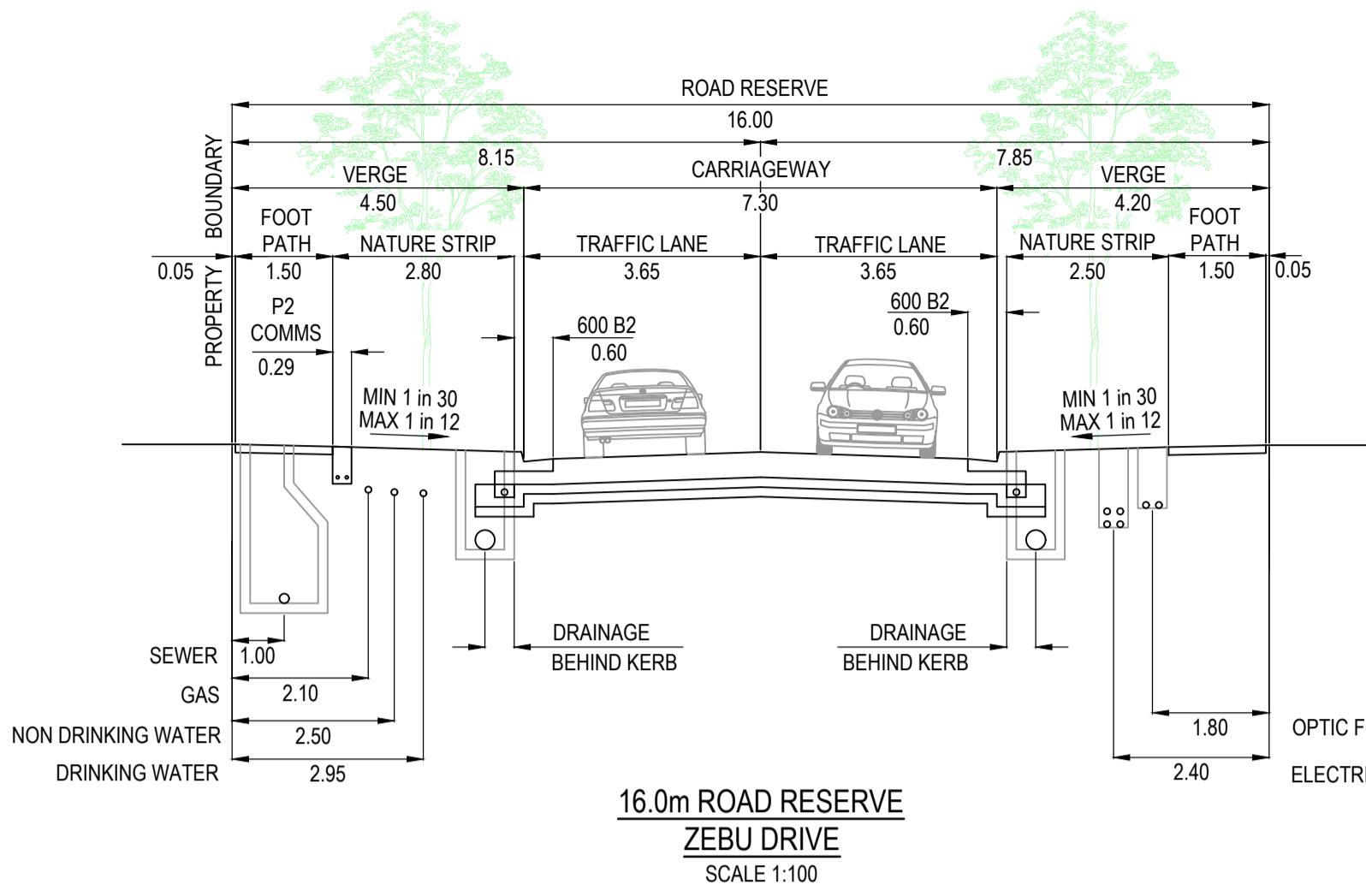
Coordinates are on a local plane datum based upon MGA2020 Zone 55 bearings and truncated MGA2020 Zone 55 co-ordinates at PM77.

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.

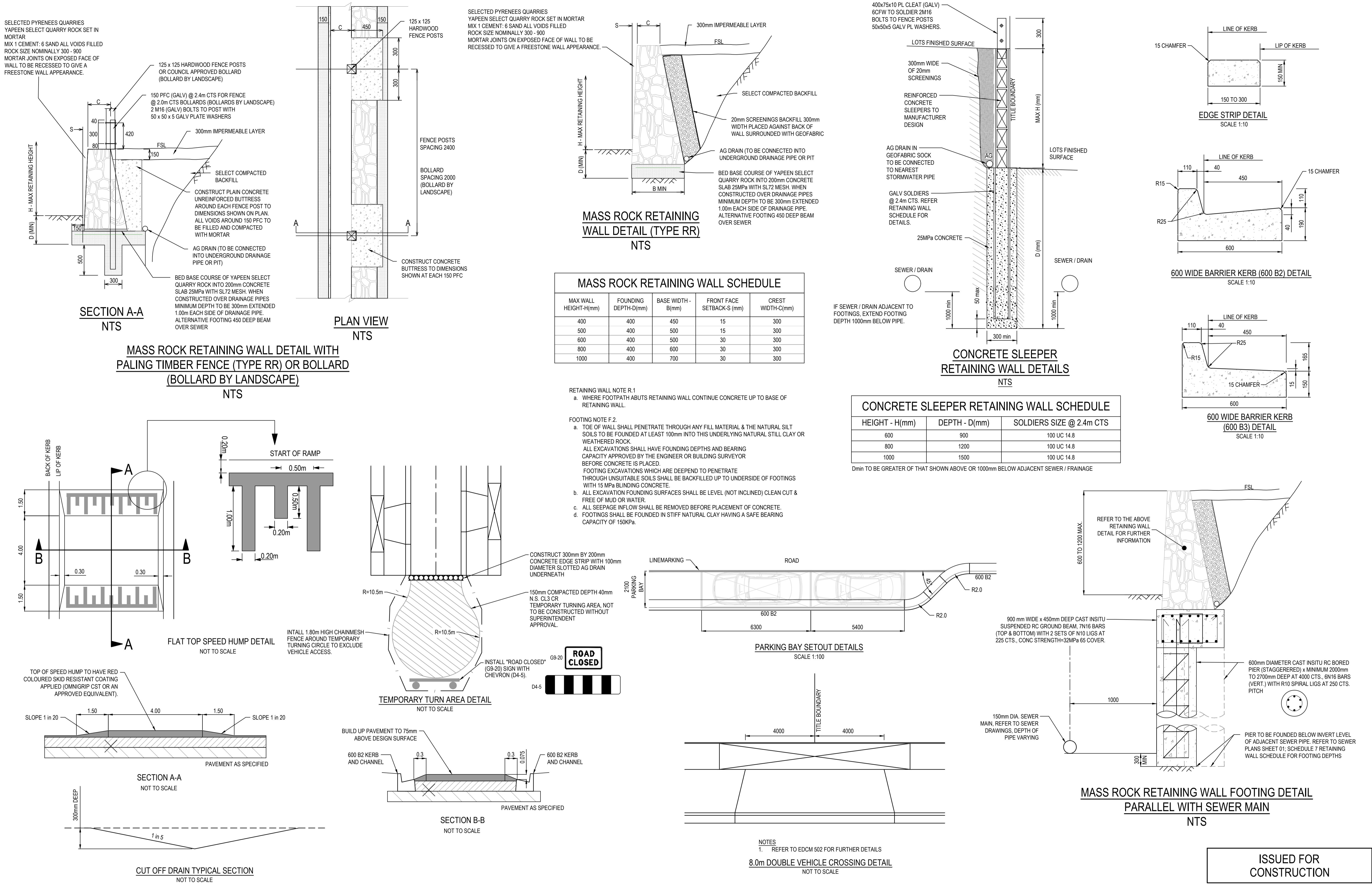
Plane Grid Coordinates to MGA2020 Zone 55 Grid Coordinates Conversion.

(PLANE SHIFT)	Add + 353,823.586 to Eastings
	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

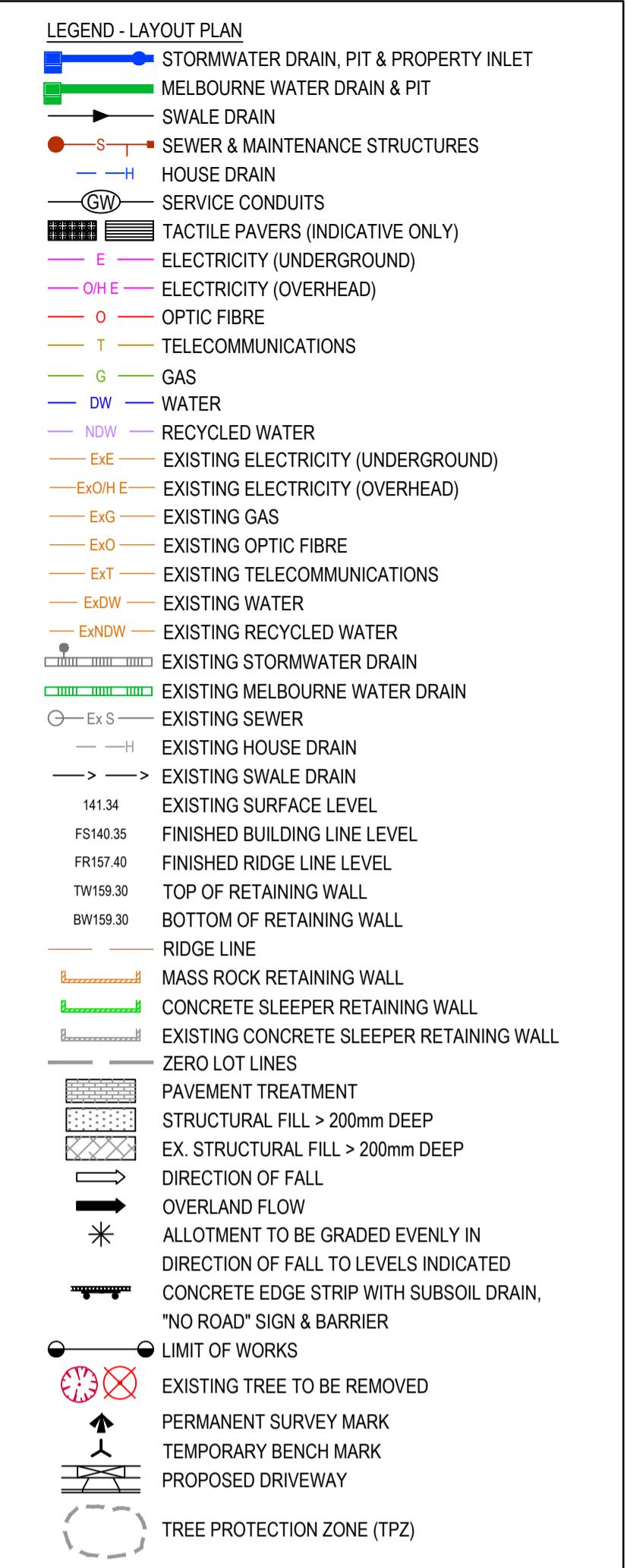
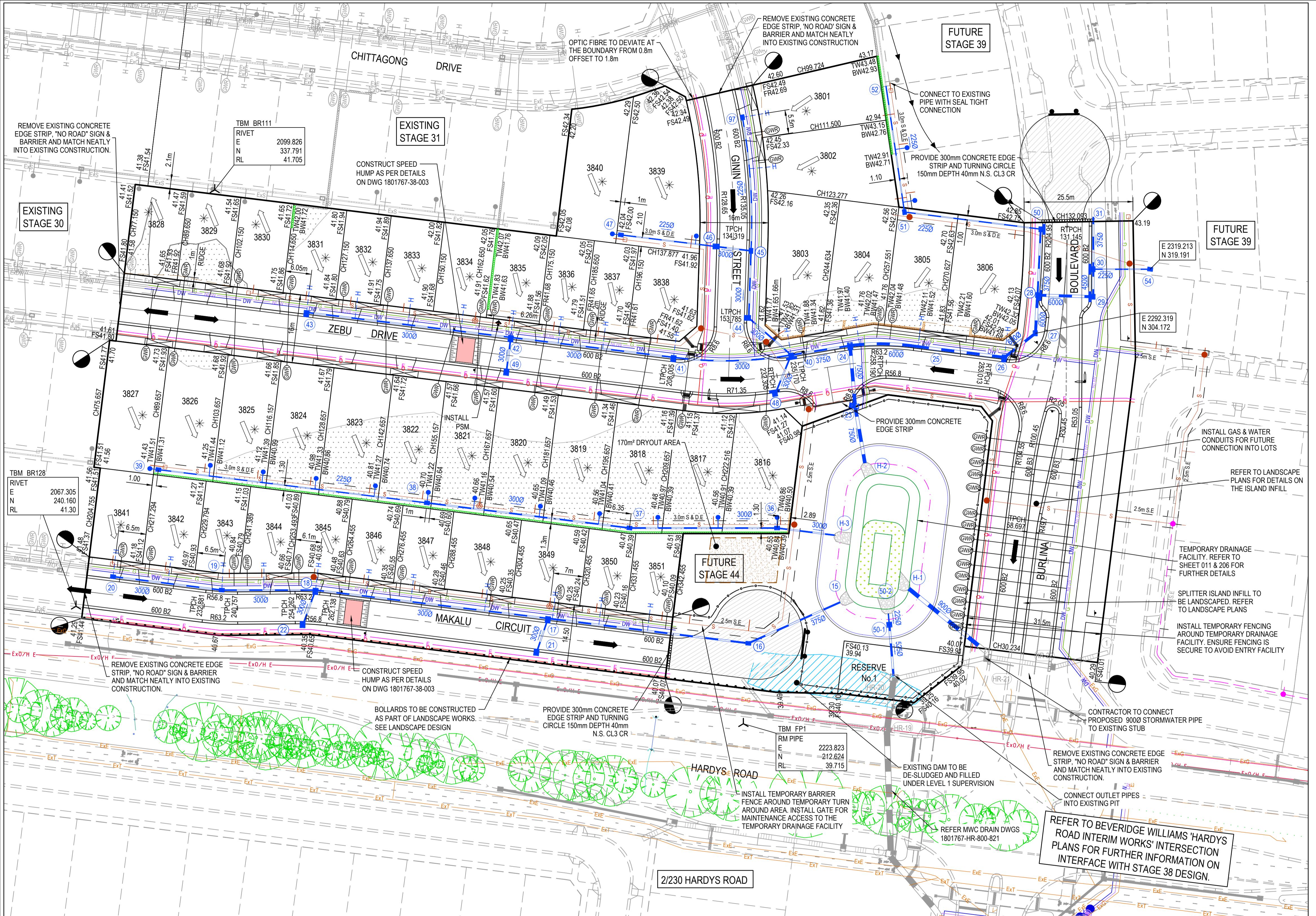


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Approved Date M. FELICIANO 18.07.2022
PS Number PS902139P

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Project Details MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title RETAINING WALL DETAILS
AND GENERAL DETAILS

Sheet 03 of 24
Scale AS SHOWN
Project Ref 1801767 Stage No 38 Drawing No 003 Rev A



0 5 10 20 30 40
SCALE 1:500 AT A1 SIZE

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
ZEBU DRIVE	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
GININ STREET	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
MAKALU CIRCUIT	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
BURLINA BOULEVARD	31.50	13.60	14.50	14.80	600 B2	600 B2	6.10	10.90

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)
ZEBU DRIVE	N	2.10	N	2.50	N	2.95	S	2.40	S	1.80	N & S	1.00
GININ STREET	E	2.10	E	2.50	E	2.95	W	2.50	W	1.90	W	1.00
MAKALU CIRCUIT	N	2.10	N	2.50	N	2.95	S	1.20	S	0.40	N	1.00
BURLINA BOULEVARD	E	8.50	E	8.90	E	9.35	W	2.60	W	1.90	W	1.00

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

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

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D	DRY OUT AREA LOCATION UPDATED	03/07/23	M.F.	M.F.
C	DRYING AREA ADDED	11/04/23	M.F.	M.F.
B	LOT 3805 HOUSE DRN ADDED	22/12/22	M.F.	M.F.
A	ISSUED FOR CONSTRUCTION	28/11/22	M.F.	M.F.
REV	DESCRIPTION	DATE	DRN.	APP.



MERIDIAN
CENTRAL

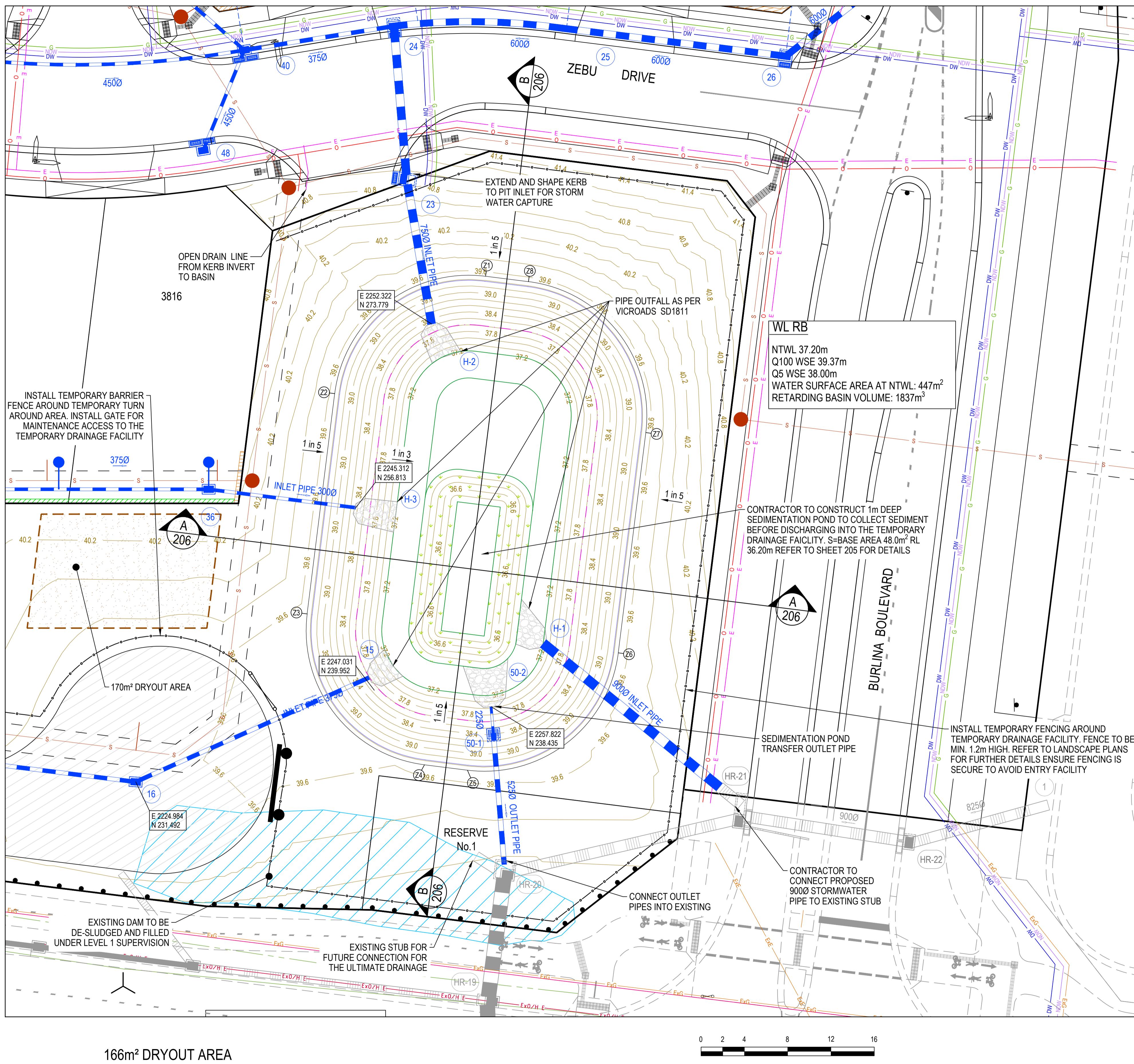


Designed Date: S. LOTAY 15/07/2022
Drawn: M.F. JAURIGUE
Approved Date: M. FELICIANO 18/07/2022
PS Number: PS902139P

Project Details: MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title: LAYOUT PLAN

Sheet 04 of 24
Scale: AS SHOWN
Project Ref: 1801767 Stage No: 38 Drawing No: 010 Rev: D

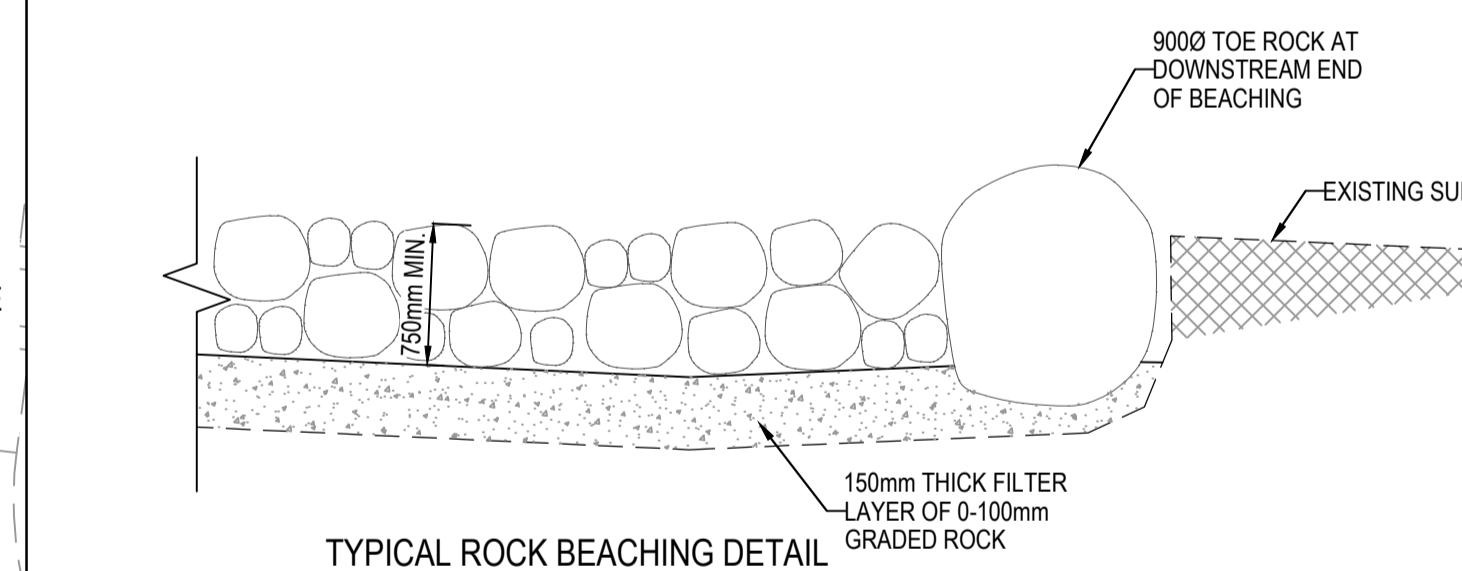
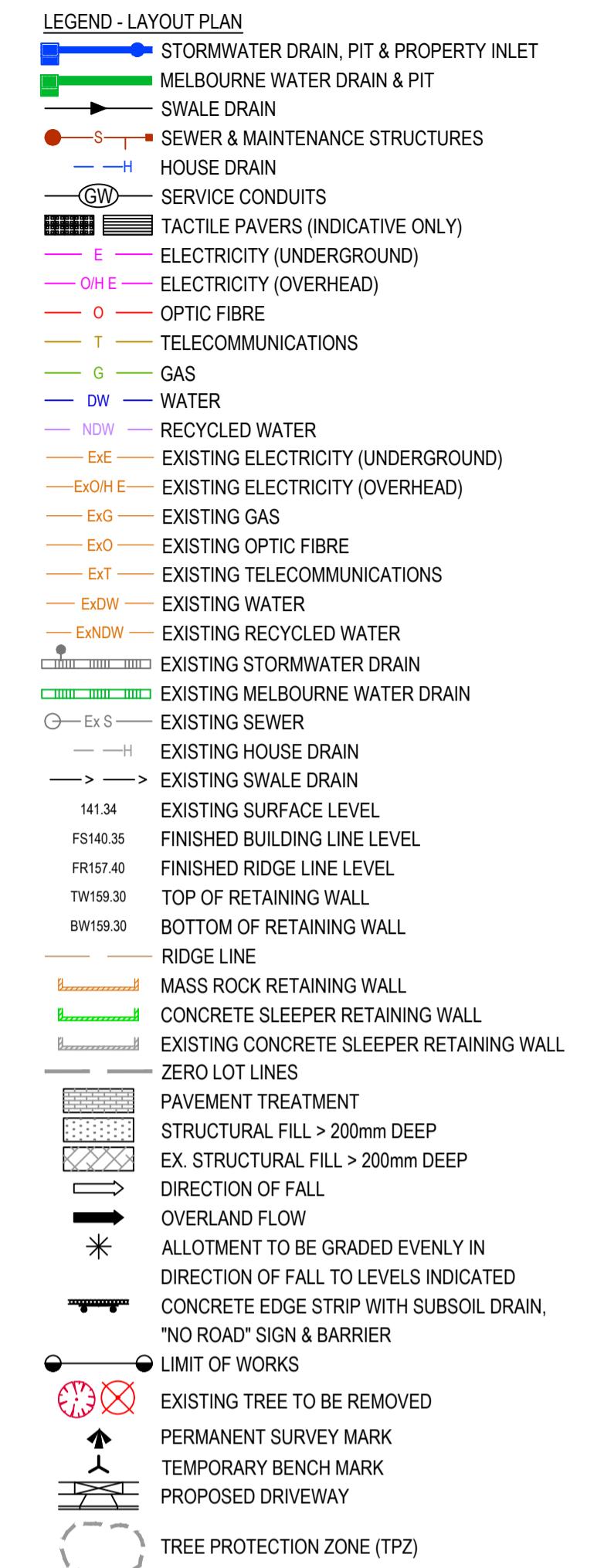




Alignment Z

Point no	Easting	Northing	RL
Z1	2257.306	278.187	39.529
Z2	2243.367	267.348	39.529
Z3	2240.822	247.006	39.529
Z4	2251.661	233.067	39.529
Z5	2255.630	232.571	39.529
Z6	2269.569	243.410	39.529
Z7	2272.113	263.751	39.529
Z8	2261.275	277.690	39.529

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
Z1-Z2	90.000	12.498	19.612	3.657	2.707	4.778	4.051	4.903	39.529
Z2-Z4	90.000	12.495	19.612	3.657	2.707	4.778	4.051	4.903	39.529
Z5-Z6	90.000	12.485	19.612	3.657	2.707	4.778	4.051	4.903	39.529
Z7-Z8	90.000	12.486	19.612	3.657	2.707	4.778	4.051	4.903	39.529

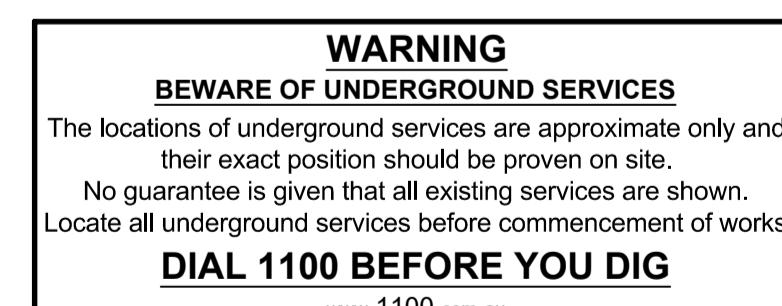


NOTES

- ROCK SURFACE TO FINISH FLUSH WITH SURROUNDING EXISTING SURFACE.
- ALL ROCKS TO BE GRANITIC & ANGULAR IN SHAPE.
- ROCKS TO BE PLACED WITH LARGER KEYSTONES INTERLOCKED AND EMBEDDED INTO FILTER LAYER AND VOIDS GRADUALLY FILLED WITH SMALLER SIZED ROCKS.

ROCK GRADING

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

166m² DRYOUT AREA

SCALE 1:200 AT A1 SIZE

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D	DRY OUT AREA LOCATION UPDATED	03/07/23	M.F.	M.F.
C	DRYING AREA ADDED	11/04/23	M.F.	M.F.
B	FENCING NOTE UPDATED	23/02/23	M.F.	M.F.
A	ISSUED FOR CONSTRUCTION	28/11/22	M.F.J.	M.F.

DESCRIPTION	DATE DRN.	APP.	REV.



MERIDIAN
CENTRAL



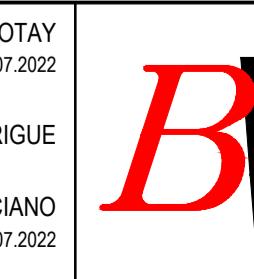
MERIDIAN
CENTRAL

Designed Date S. LOTAY 15/07/2022

Drawn M.F. JAURIGUE

Approved Date M. FELICIANO 18/07/2022

PS Number PS902139P



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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title TEMPORARY DRAINAGE FACILITY
LAYOUT PLAN

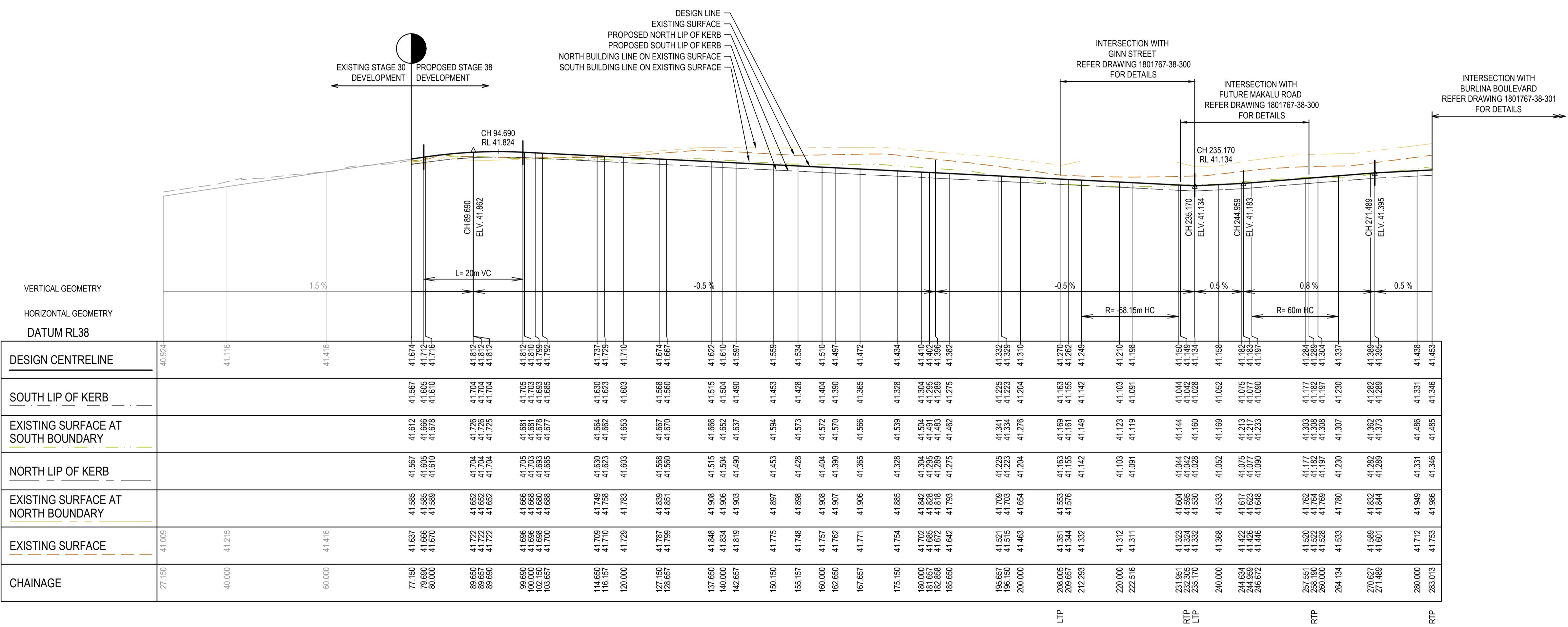
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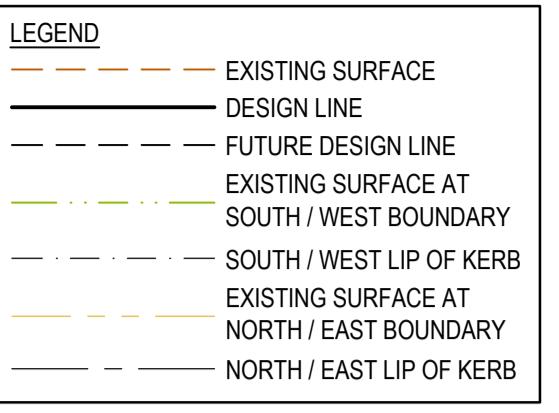


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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT SOUTH / WEST BOUNDARY
	SOUTH / WEST LIP OF KERB
	EXISTING SURFACE A NORTH / EAST BOUNDARY
	NORTH / EAST LIP OF KERB

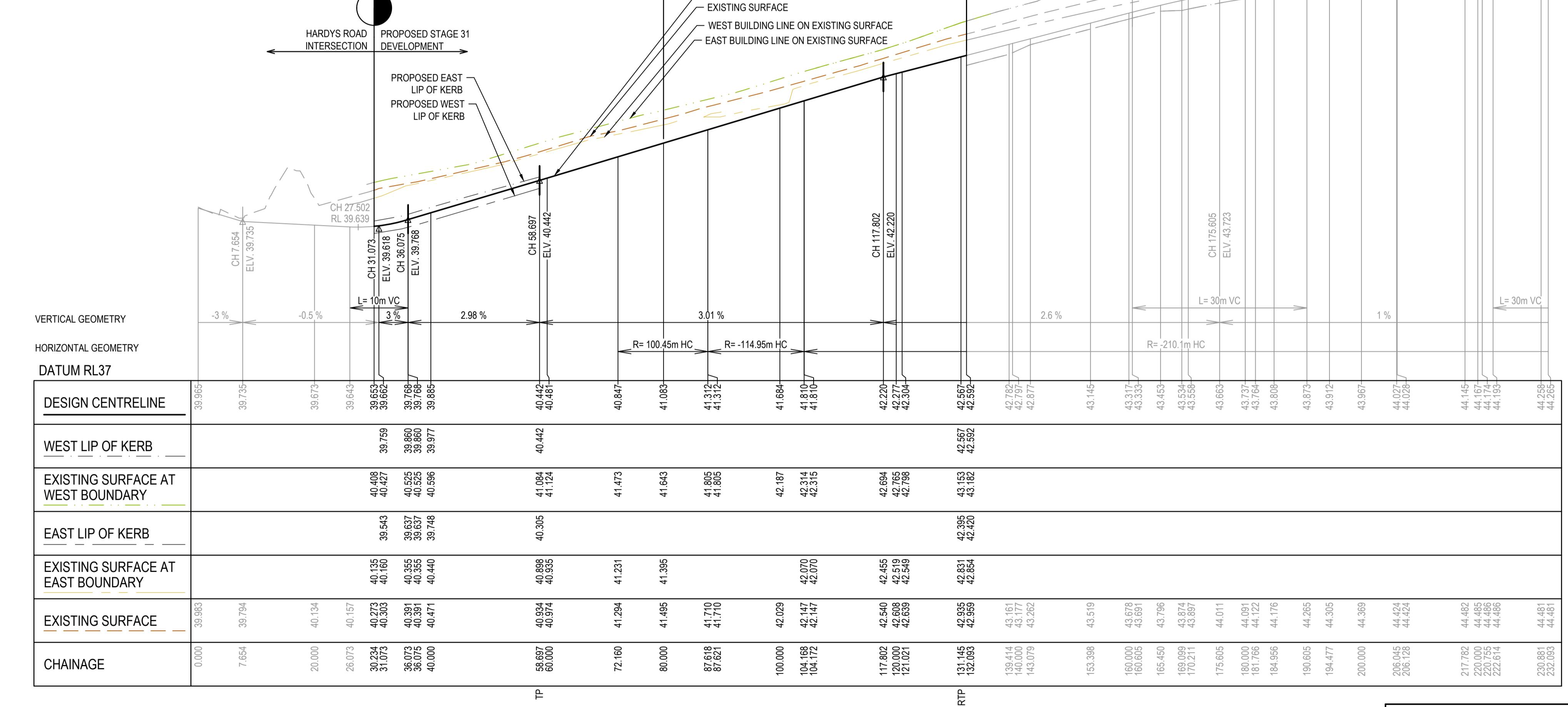




VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL39

DESIGN CENTRELINE	42.524
WEST LIP OF KERB	42.568
EXISTING SURFACE AT WEST BOUNDARY	42.607
EAST LIP OF KERB	42.551
EXISTING SURFACE AT EAST BOUNDARY	42.554
EXISTING SURFACE	42.531
CHAINAGE	27.150
27.150	40.000
40.000	42.515
43.739	42.524
57.808	60.000
60.000	42.554
67.808	67.808
67.808	42.558
77.808	80.000
80.000	42.558
99.724	100.000
100.000	42.558
111.500	42.557
117.291	42.569
120.000	42.553
123.277	42.522
124.791	42.515
132.291	42.568
134.319	42.526
TP	153.785
LTP	41.643
TP	41.627
LTP	41.330
TP	41.657
LTP	41.330
TP	41.437

GININ STREET - ROAD LONGITUDINAL SECTION



BURLINA BOULEVARD - ROAD LONGITUDINAL SECTION

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28.11.22

M.F.J.

M.F.

REV

DATE

DRN.

APP.

REV

DESCRIPTION

DATE

DRN.

APP.



HORIZONTAL

VERTICAL

Designed Date S. LOTAY 15.07.2022
Drawn M.F. JAURIGUE
Approved Date M. FELICIANO 18.07.2022
PS Number PS902139P

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY

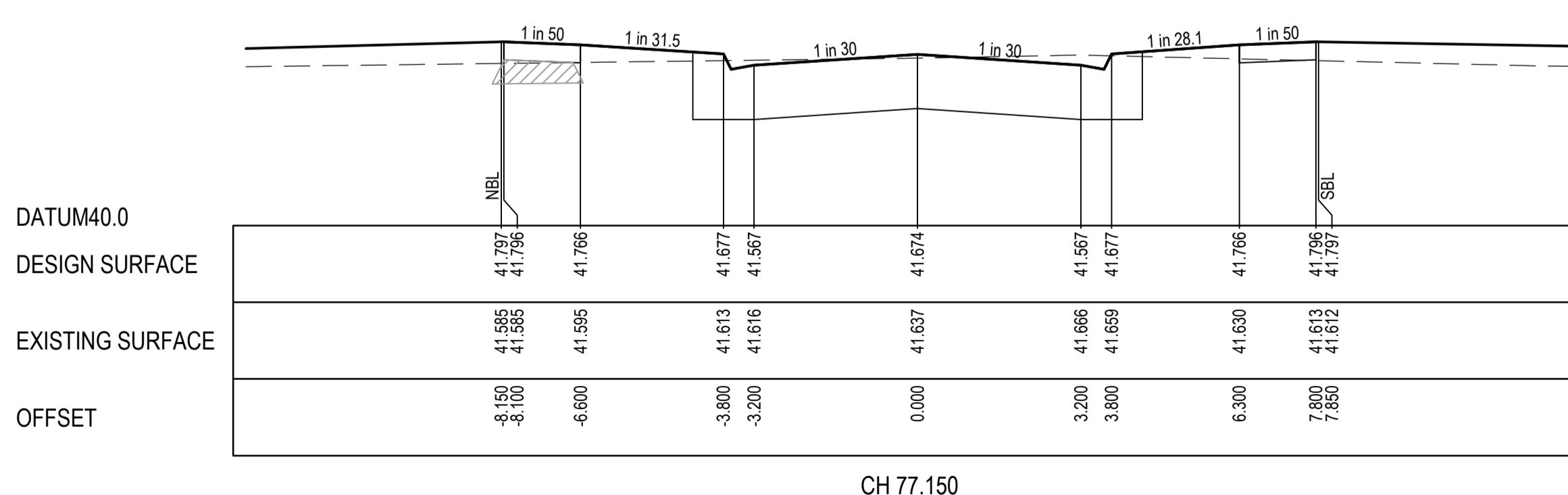
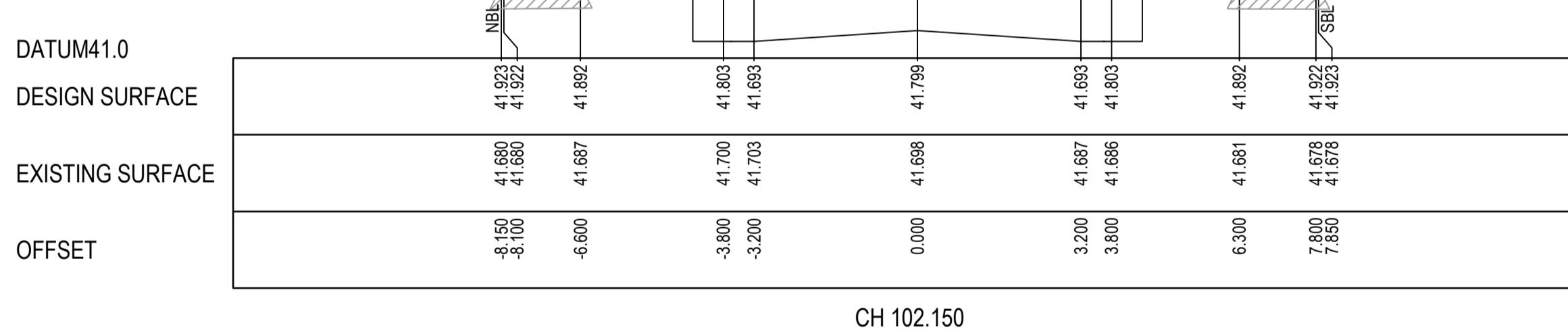
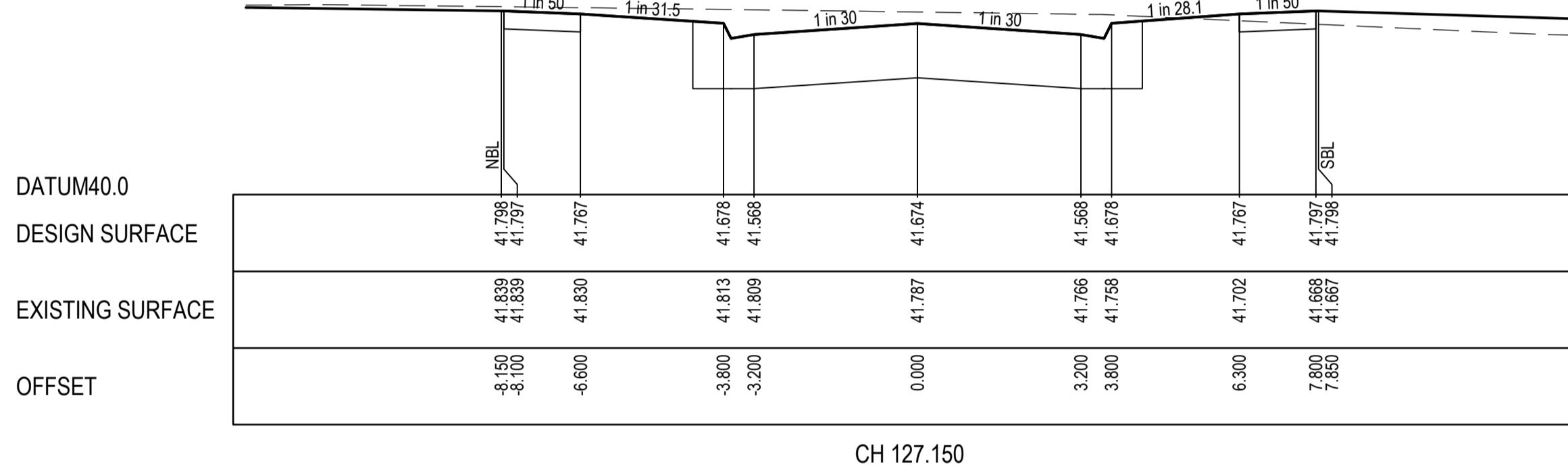
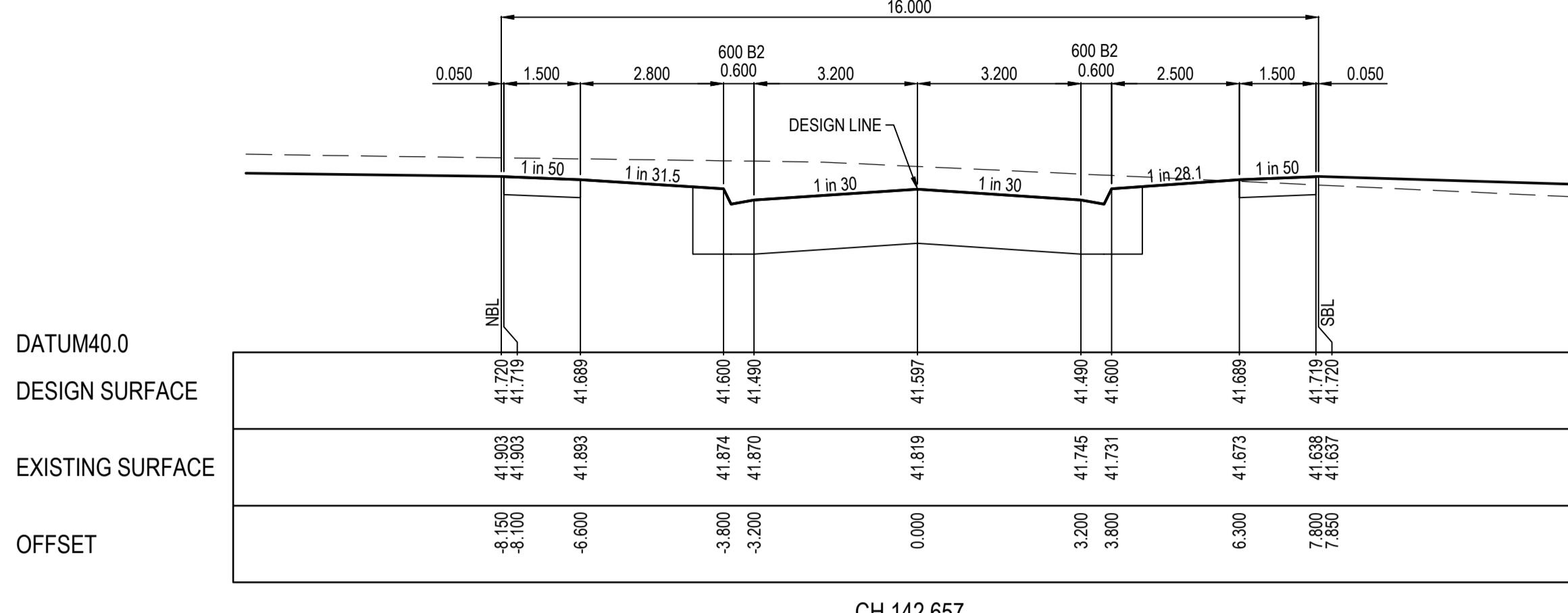
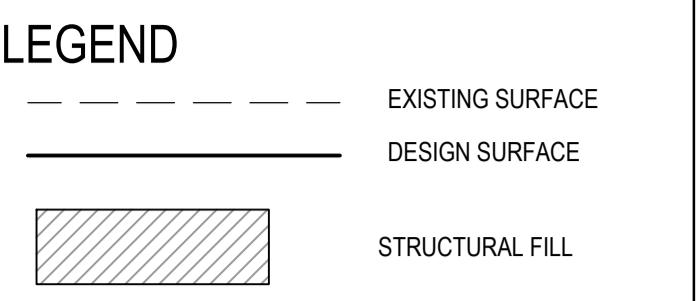
Drawing Title
ROAD LONGITUDINAL SECTIONS
BURLINA BOULEVARD AND GININ STREET

Sheet 08 of 24

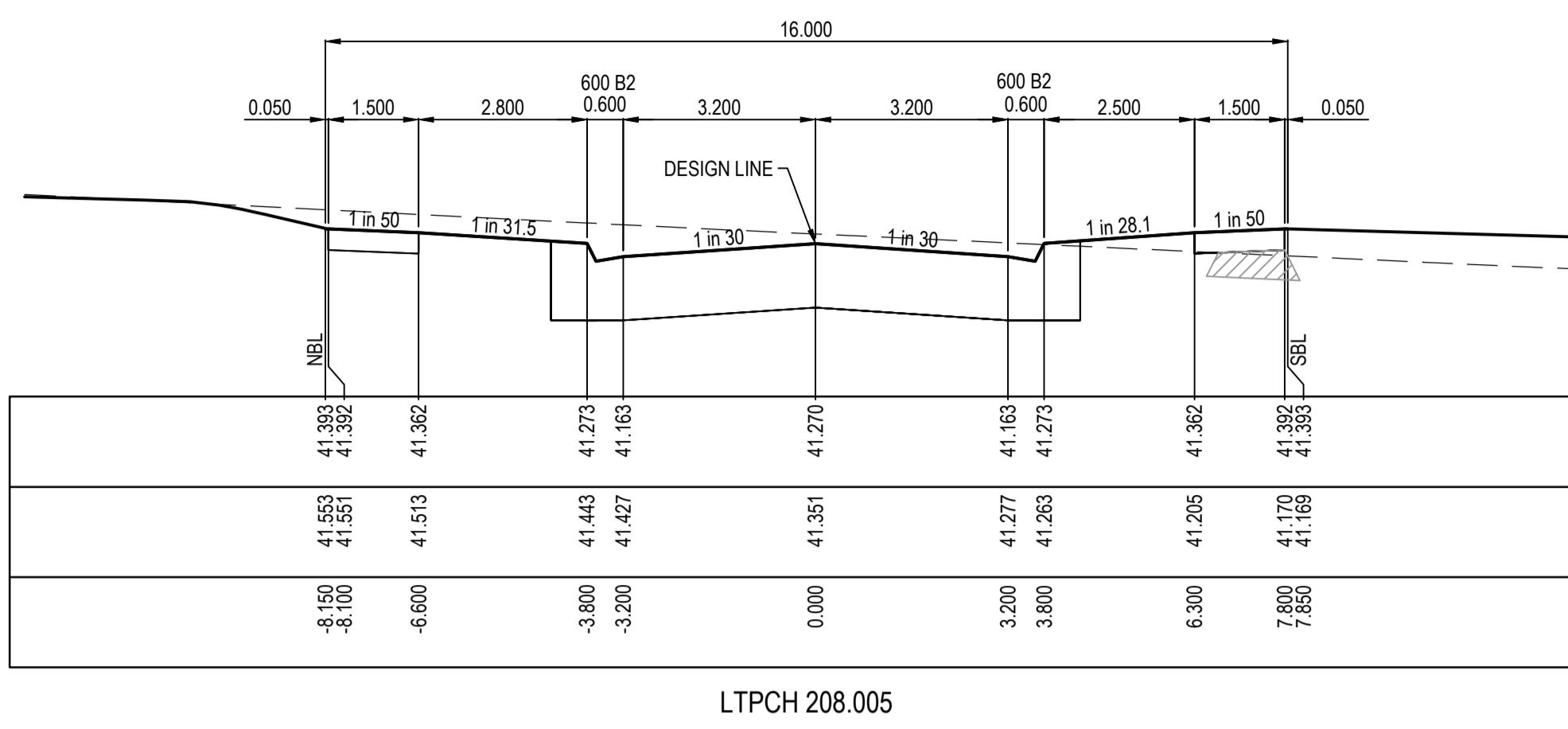
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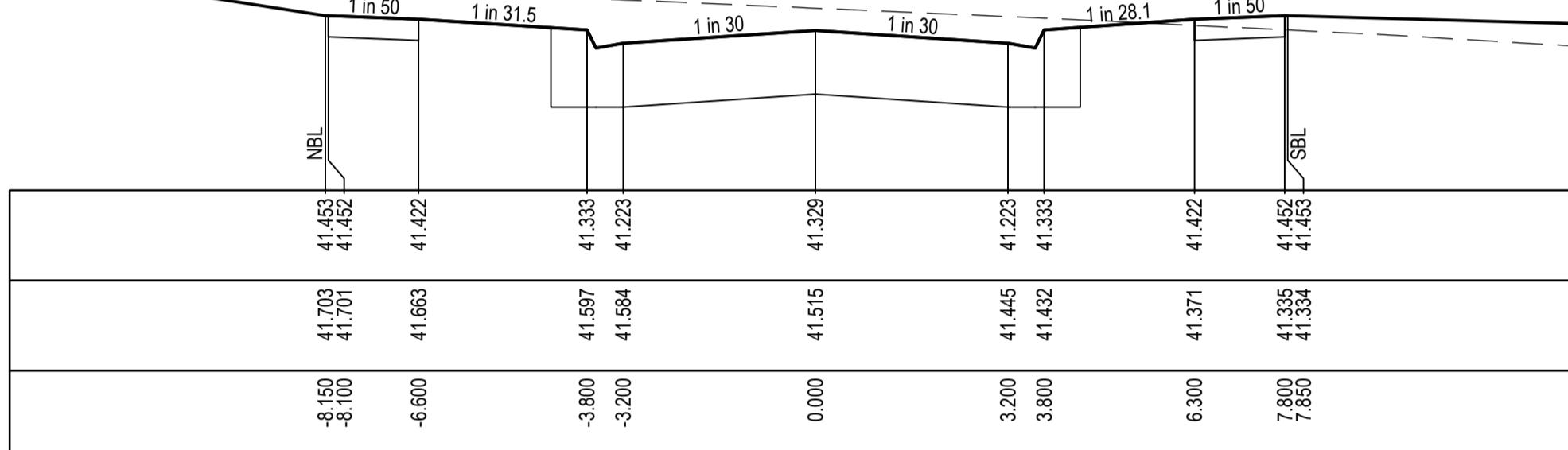
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION



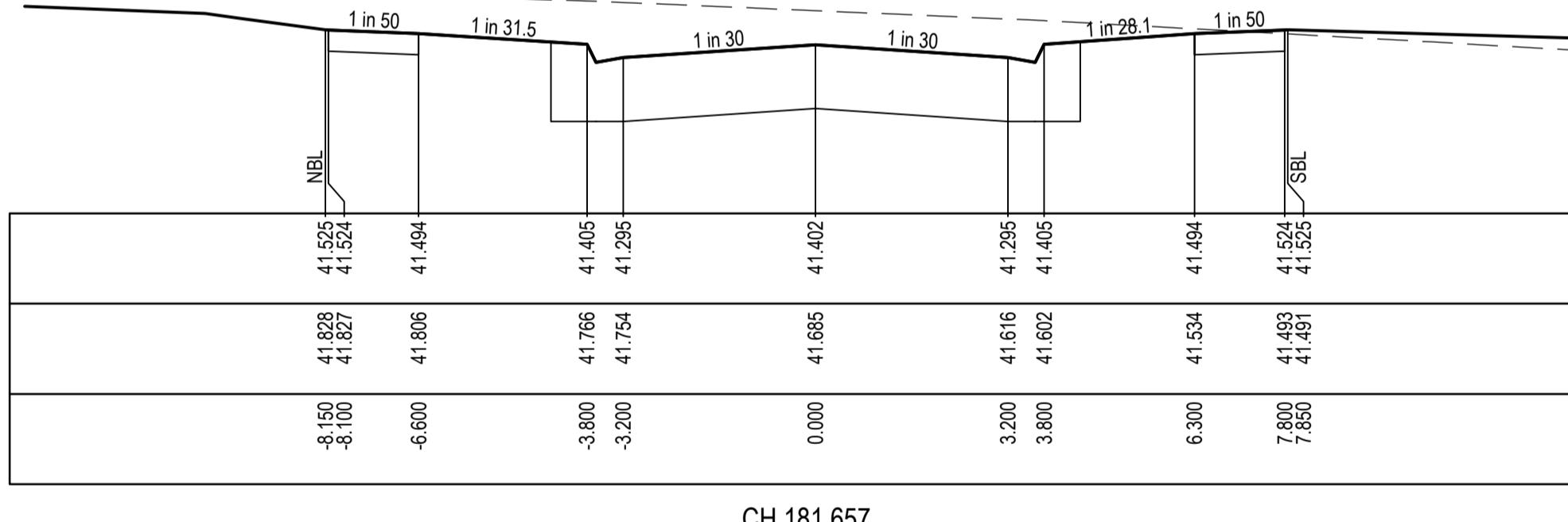
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DESIGN SURFACE
EXISTING SURFACE
OFFSET



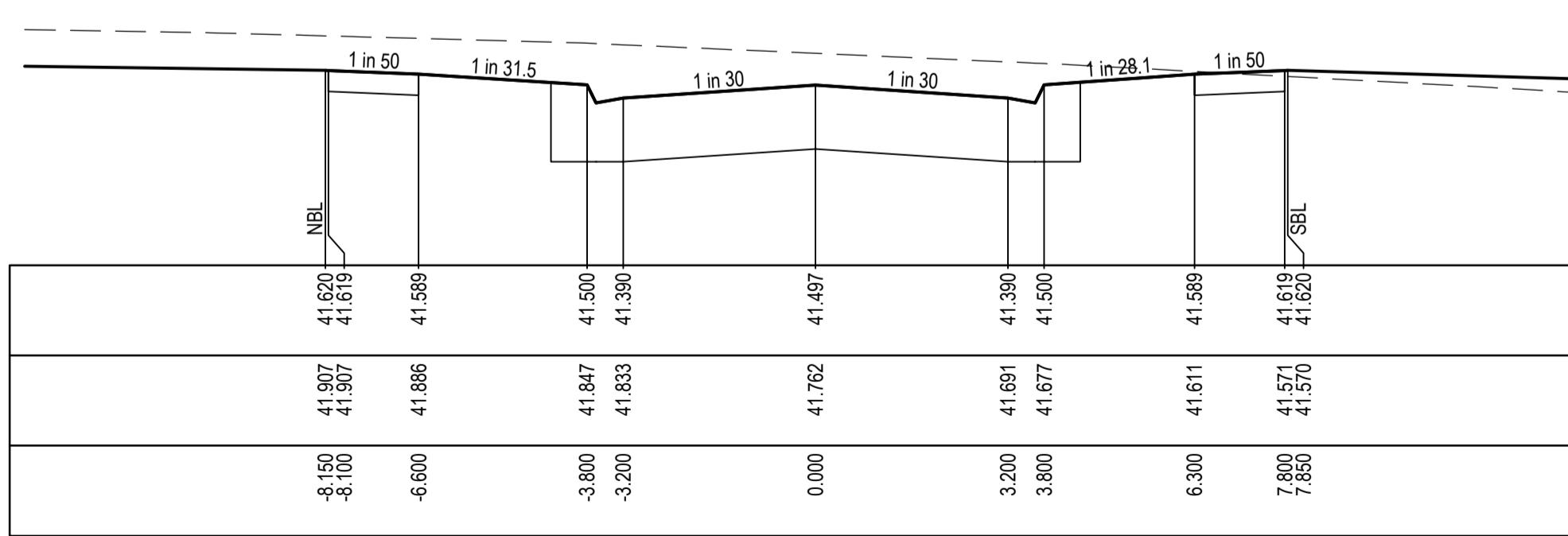
DATUM40.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



DATUM40.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



DATUM40.0
DESIGN SURFACE
EXISTING SURFACE
OFFSET



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REV DESCRIPTION DATE DRN APP.

28.11.22 M.F.J. M.F.
REV DESCRIPTION DATE DRN APP.



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

Designed Date S. LOTAY 15.07.2022
Drawn M.F. JAURIGUE
Approved Date M. FELICIANO 18.07.2022
PS Number PS902139P

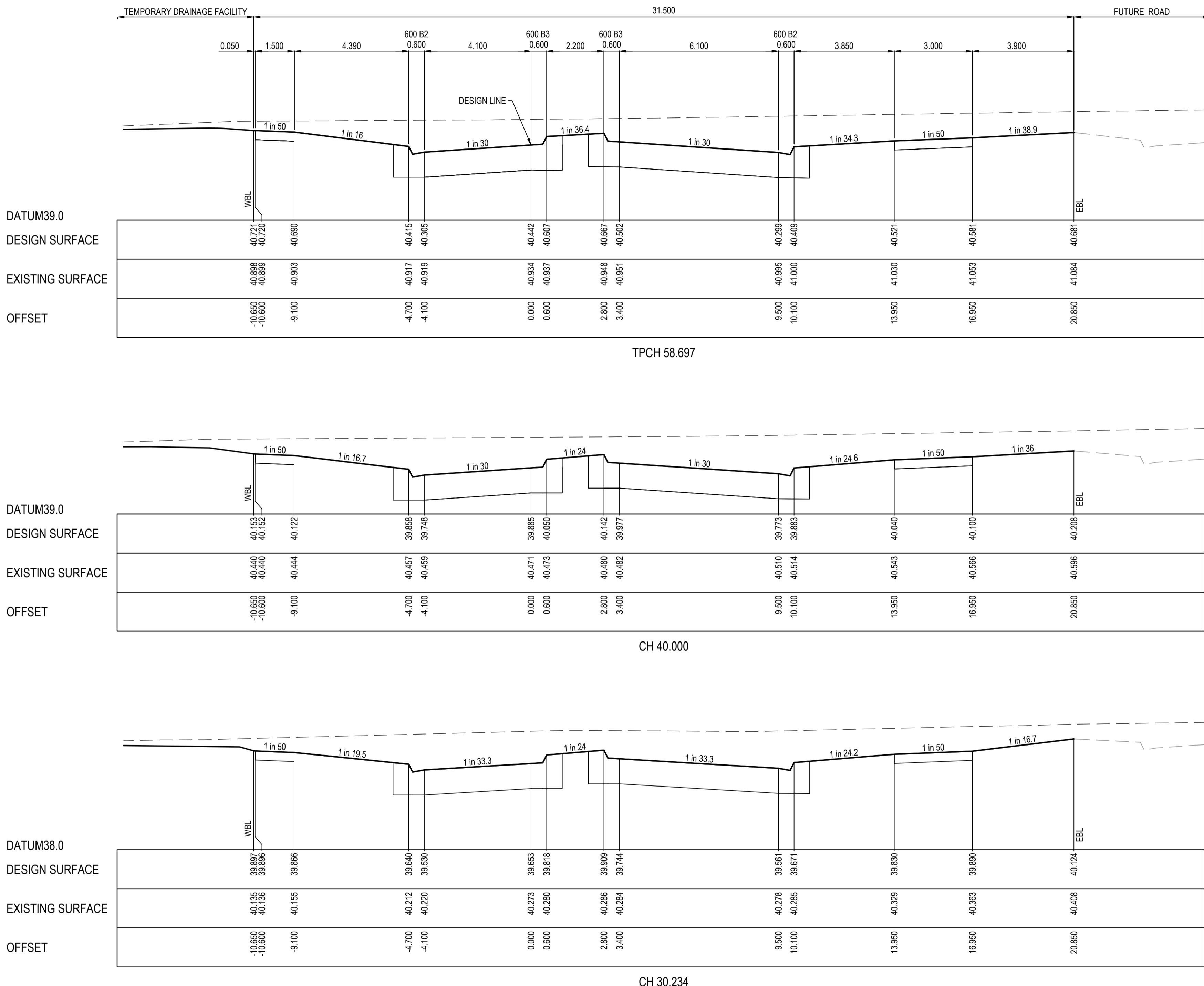
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Malvern VIC 3144
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Project Details MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title ROAD CROSS SECTIONS
ZEBU DRIVE
(SHEET 1 OF 2)

Sheet 09 of 24
Scale 1:100 H 1:50 V @ A1
Project Ref 1801767 Stage No 38 Drawing No 200 Rev A

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

LEGEND
----- EXISTING SURFACE
— DESIGN SURFACE
■ STRUCTURAL FILL



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REV DESCRIPTION DATE DRN. APP. REV

DESCRIPTION DATE DRN. APP.



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

Designed Date S. LOTAY 15.07.2022

Drawn M.F. JAURIGUE

Approved Date M. FELICIANO 18.07.2022

PS Number PS902139P

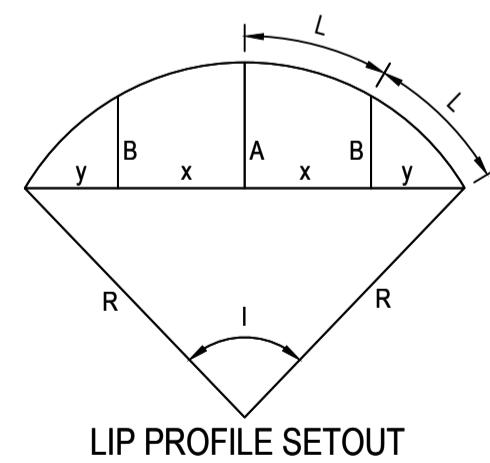
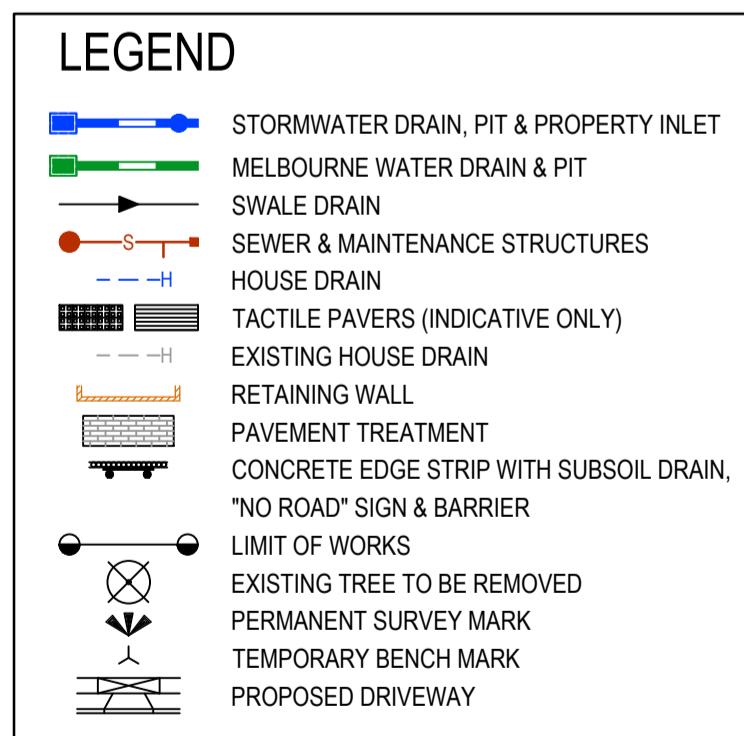
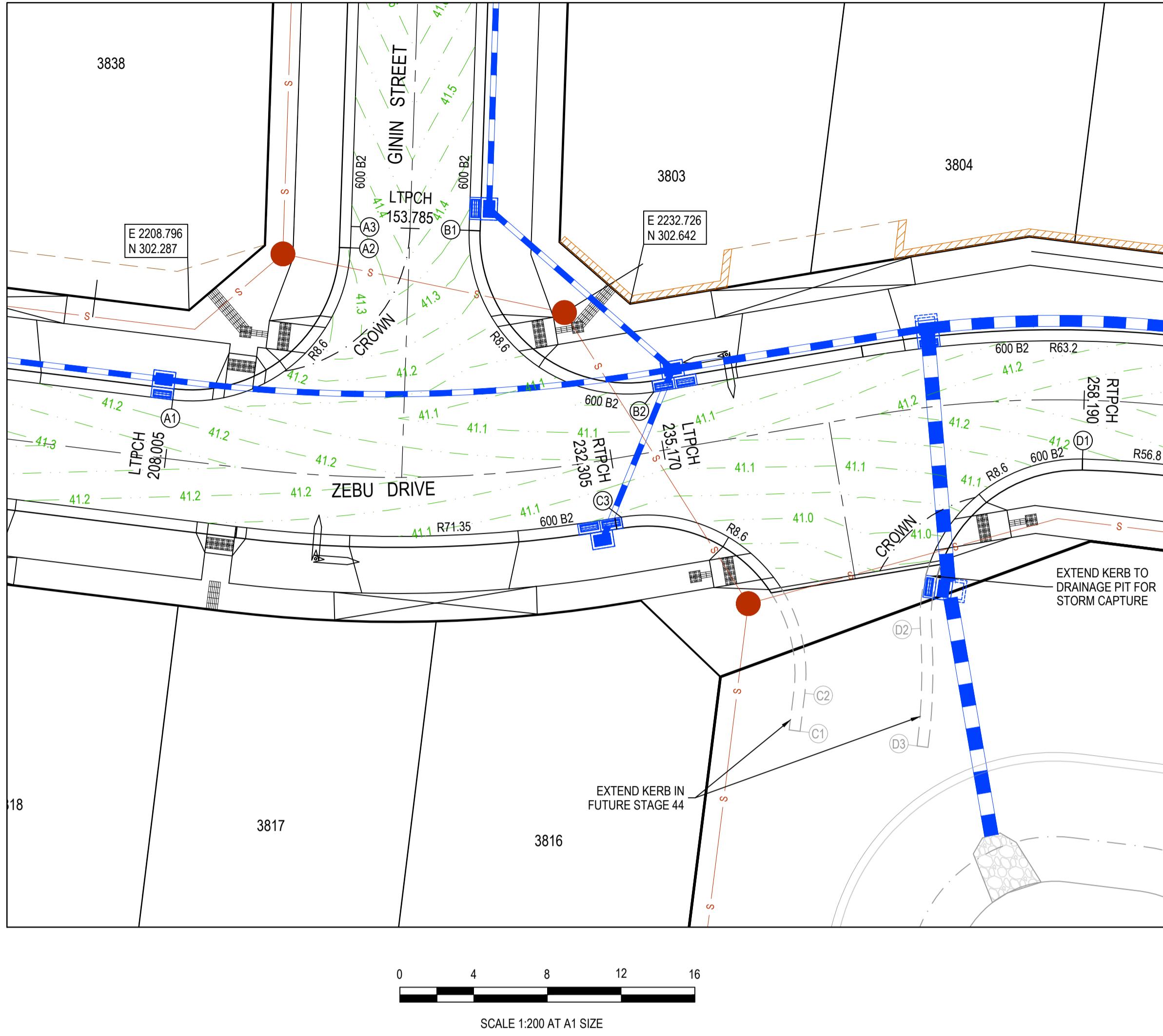
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Project Details MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title ROAD CROSS SECTIONS
BURLINA BOULEVARD
(SHEET 1 OF 2)

Sheet 12 of 24

Scale 1:100 H 1:50 V @ A1

Project Ref 1801767 Stage No 38 Drawing No 203 Rev A

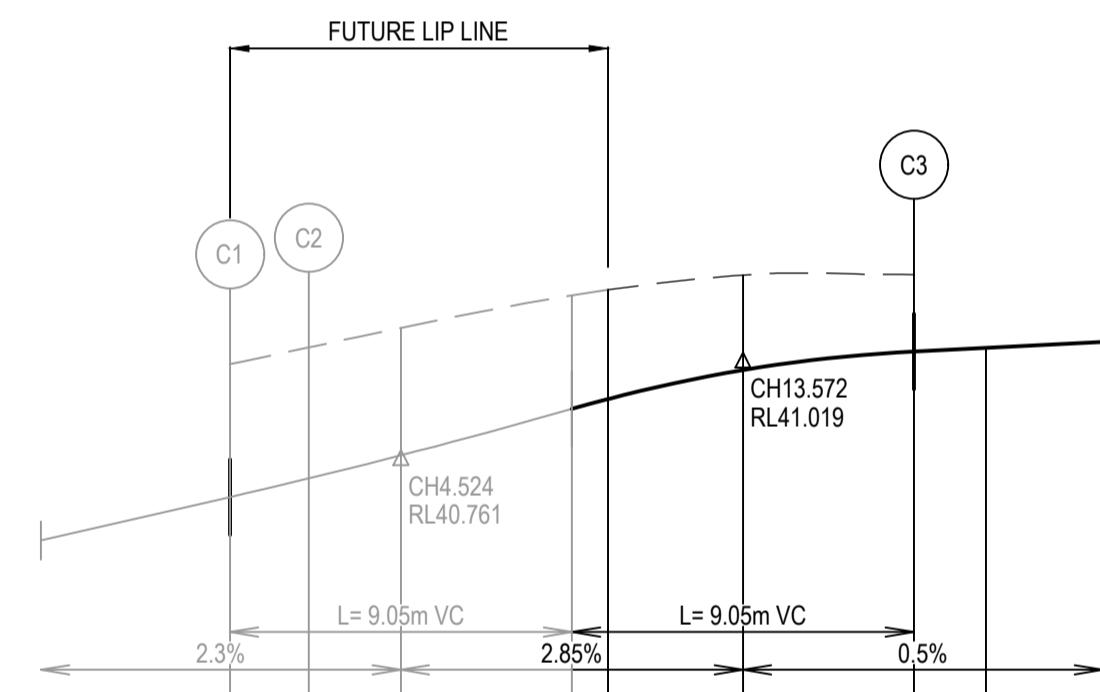


VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE



ALIGNMENT C

Point no Easting Northing RL
C1 2241.941 279.431 40.657
C2 2242.200 281.499 40.706
C3 2232.241 291.047 41.042

Curve no C2 - C3 106.675 8.600 16.012 3.465 2.550 3.860 3.039 4.003 40.919

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE A

Point no Easting Northing RL

A1 2207.908 297.409 41.163
A2 2217.549 305.655 41.310
A3 2217.588 306.820 41.330

Curve no A1 - A2 95.055 8.600 14.268 2.793 2.064 3.466 2.878 3.567 41.209

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE B

Point no Easting Northing RL

B1 2223.984 306.604 41.330
B2 2234.005 297.834 41.028

Curve no B1 - B2 101.472 8.600 15.231 3.157 2.328 3.685 3.294 3.808 41.151

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE C

Point no Easting Northing RL

D1 2257.268 294.200 41.182
D2 2248.471 285.017 40.828
D3 2246.292 278.636 40.657

Curve no D1 - D2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
D2 - D3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE D

Point no Easting Northing RL

E1 2257.268 294.200 41.182
E2 2248.471 285.017 40.828
E3 2246.292 278.636 40.657

Curve no E1 - E2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
E2 - E3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE A

Point no Easting Northing RL

F1 2223.984 306.604 41.330
F2 2234.005 297.834 41.028

Curve no F1 - F2 101.472 8.600 15.231 3.157 2.328 3.685 3.294 3.808 41.151

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE B

Point no Easting Northing RL

G1 2257.268 294.200 41.182
G2 2248.471 285.017 40.828
G3 2246.292 278.636 40.657

Curve no G1 - G2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
G2 - G3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE C

Point no Easting Northing RL

H1 2223.984 306.604 41.330
H2 2234.005 297.834 41.028

Curve no H1 - H2 101.472 8.600 15.231 3.157 2.328 3.685 3.294 3.808 41.151

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE D

Point no Easting Northing RL

I1 2257.268 294.200 41.182
I2 2248.471 285.017 40.828
I3 2246.292 278.636 40.657

Curve no I1 - I2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
I2 - I3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE A

Point no Easting Northing RL

J1 2223.984 306.604 41.330
J2 2234.005 297.834 41.028

Curve no J1 - J2 101.472 8.600 15.231 3.157 2.328 3.685 3.294 3.808 41.151

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE B

Point no Easting Northing RL

K1 2257.268 294.200 41.182
K2 2248.471 285.017 40.828
K3 2246.292 278.636 40.657

Curve no K1 - K2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
K2 - K3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE C

Point no Easting Northing RL

L1 2223.984 306.604 41.330
L2 2234.005 297.834 41.028

Curve no L1 - L2 101.472 8.600 15.231 3.157 2.328 3.685 3.294 3.808 41.151

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE D

Point no Easting Northing RL

M1 2257.268 294.200 41.182
M2 2248.471 285.017 40.828
M3 2246.292 278.636 40.657

Curve no M1 - M2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
M2 - M3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE A

Point no Easting Northing RL

N1 2223.984 306.604 41.330
N2 2234.005 297.834 41.028

Curve no N1 - N2 101.472 8.600 15.231 3.157 2.328 3.685 3.294 3.808 41.151

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

LIP LINE B

Point no Easting Northing RL

O1 2257.268 294.200 41.182
O2 2248.471 285.017 40.828
O3 2246.292 278.636 40.657

Curve no O1 - O2 95.343 8.600 14.311 2.809 2.075 3.475 2.883 3.578 41.058
O2 - O3 11.034 33.200 6.393 0.154 0.115 1.598 1.594 1.598 40.737

VERTICAL GEOMETRY
DATUM RL40

DESIGN LEVEL

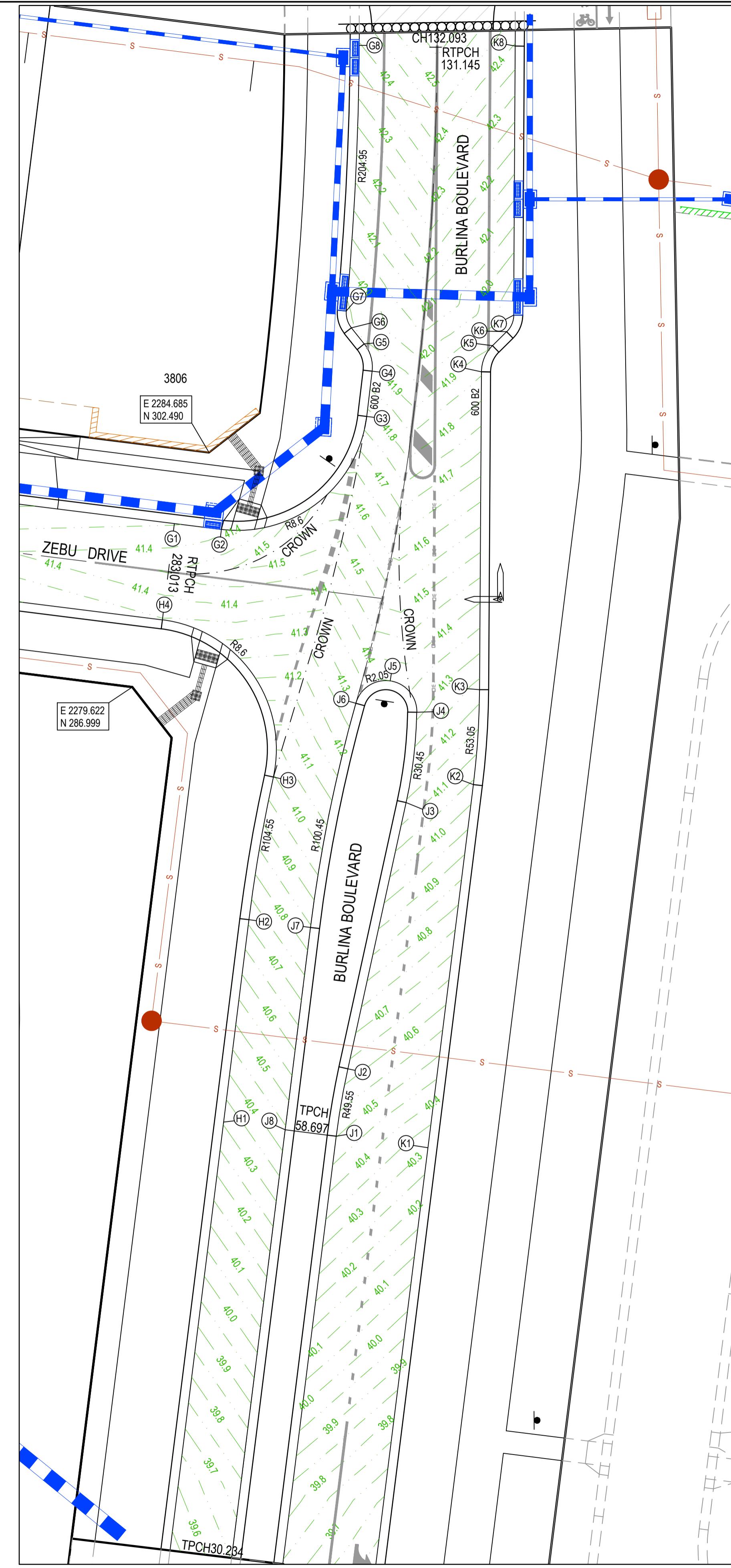
EXISTING SURFACE

CHAINAGE

LIP LINE C

Point no Easting Northing RL

P1 2223.984 306.604 41.330
P2 2234.005 297.834



VERTICAL GEOMETRY
DATUM RL41

DESIGN LEVEL

EXISTING SURFACE

CHAINAGE

ALIGNMENT G

Point no	Easting	Northing	RL
G1	2282.405	297.787	41.346
G2	2285.509	297.398	41.382
G3	2295.110	304.863	41.778
G4	2295.462	307.849	41.892
G5	2294.939	309.649	41.928
G6	2294.087	310.713	41.911
G7	2293.754	311.824	41.886
G8	2294.612	329.359	42.395

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
G2 - G3	89.989	8.600	13.507	2.518	1.864	3.291	2.790	3.377	41.568
G4 - G5	45.000	2.450	1.924	0.186	0.139	0.478	0.460	0.481	41.919
G6 - G7	43.948	1.550	1.189	0.113	0.084	0.295	0.285	0.297	41.898
G7 - G8	4.909	204.950	17.561	0.188	0.141	4.390	4.388	4.390	42.126

VERTICAL GEOMETRY

DATUM RL40

DESIGN LEVEL

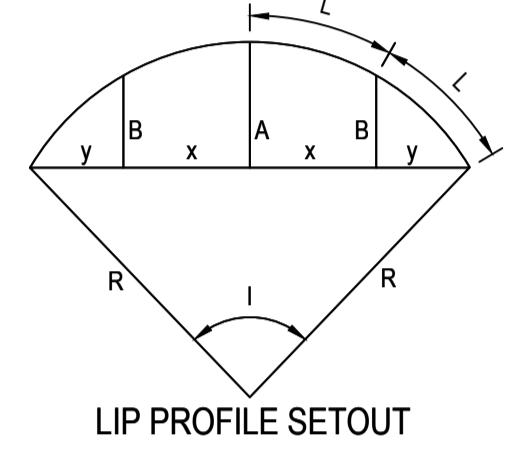
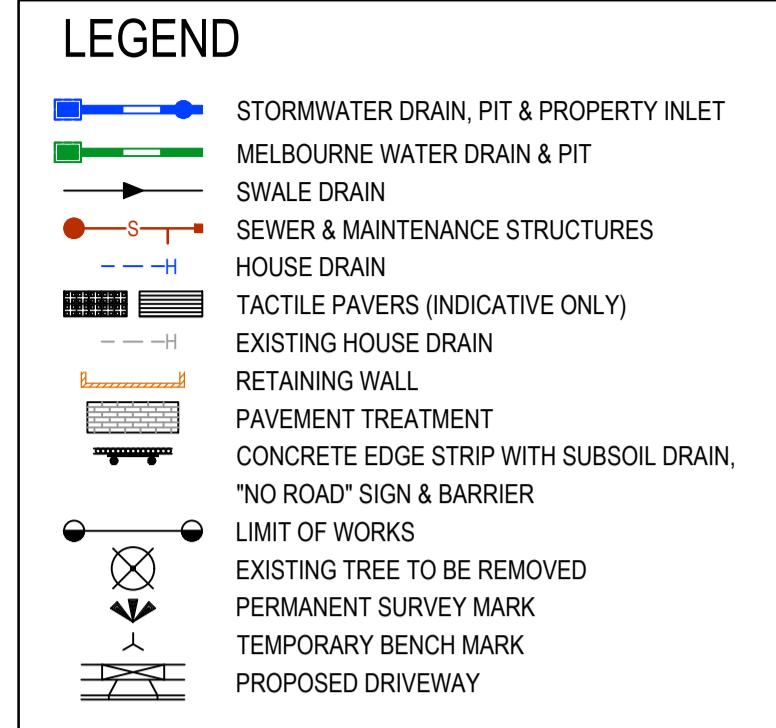
EXISTING SURFACE

CHAINAGE

ALIGNMENT J

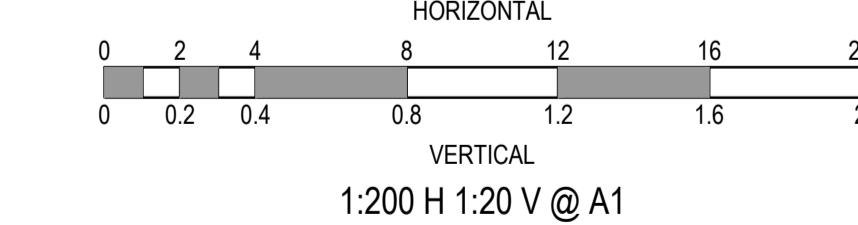
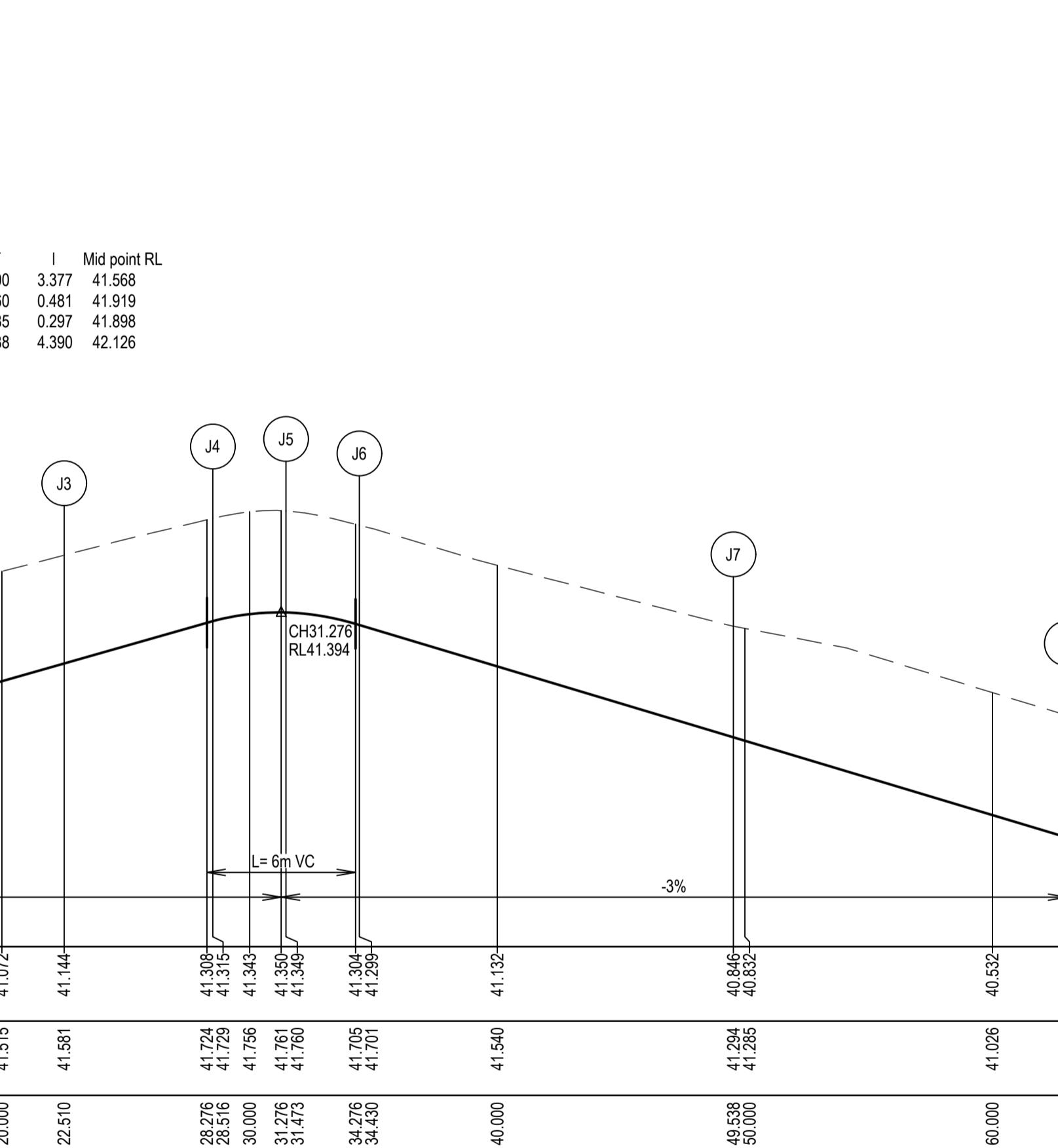
Point no	Easting	Northing	RL
J1	2293.095	257.352	40.502
J2	2293.860	261.803	40.631
J3	2297.710	279.379	41.144
J4	2298.410	285.334	41.315
J5	2296.659	287.399	41.349
J6	2294.387	285.928	41.299
J7	2291.393	271.134	40.846
J8	2289.722	257.774	40.442

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
J1 - J2	5.224	49.550	4.518	0.051	0.039	1.129	1.129	1.129	40.567
J3 - J4	11.300	30.450	6.005	0.148	0.111	1.501	1.497	1.501	41.229
J4 - J5	82.653	2.050	2.957	0.511	0.379	0.723	0.630	0.739	41.343
J5 - J6	82.653	2.050	2.957	0.511	0.379	0.723	0.630	0.739	41.335
J6 - J7	8.618	100.445	15.108	0.284	0.213	3.776	3.771	3.777	41.072



LIP LINE G

LIP LINE J



1:200 H 1:20 V @ A1

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REV DESCRIPTION DATE DRN. APP. REV

DESCRIPTION DATE DRN. APP.

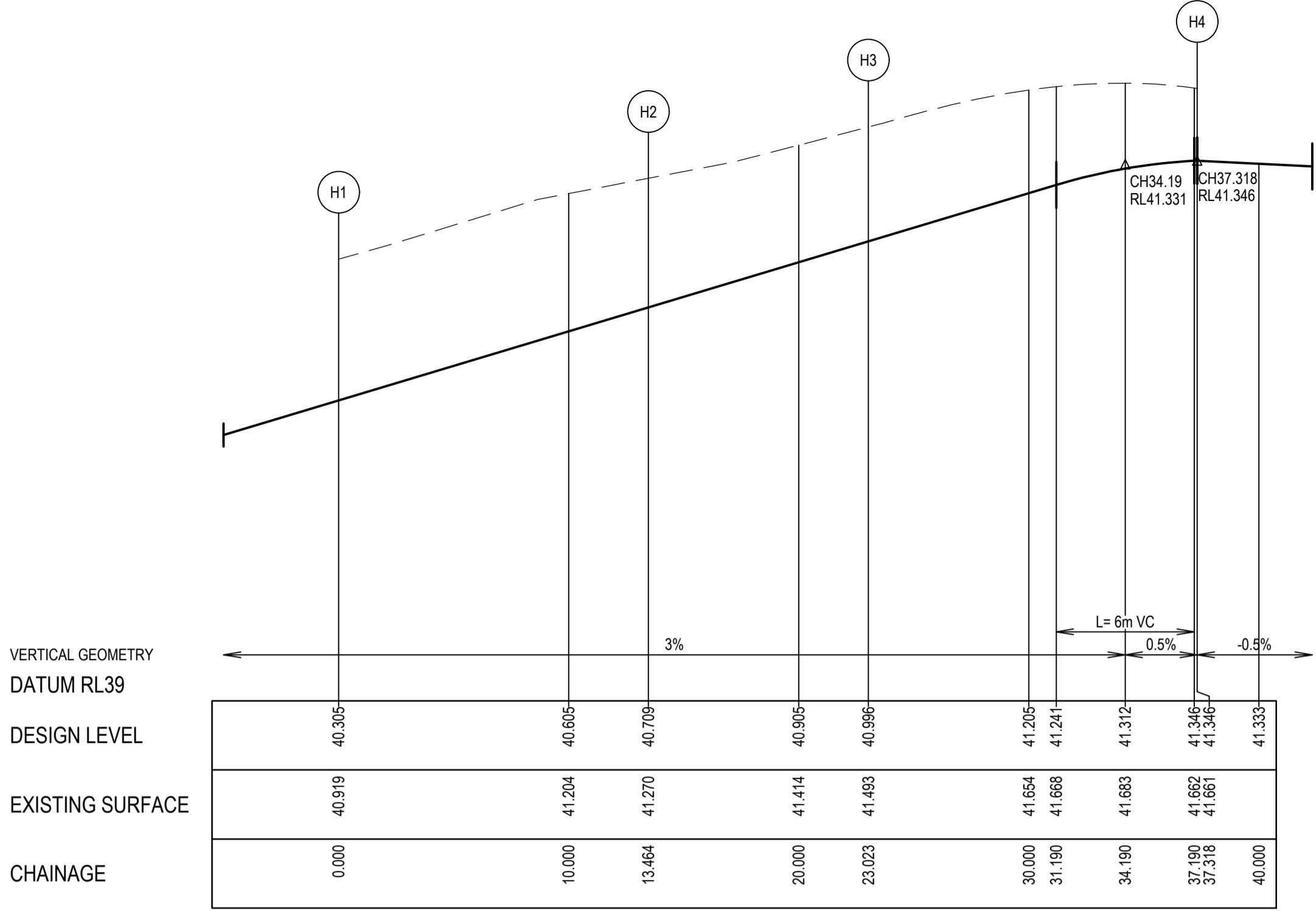


Designed S. LOTAY
Date 15.07.2022
Drawn M. JAURIGUE
Approved M. FELICIANO
Date 18.07.2022
PS Number PS902139P

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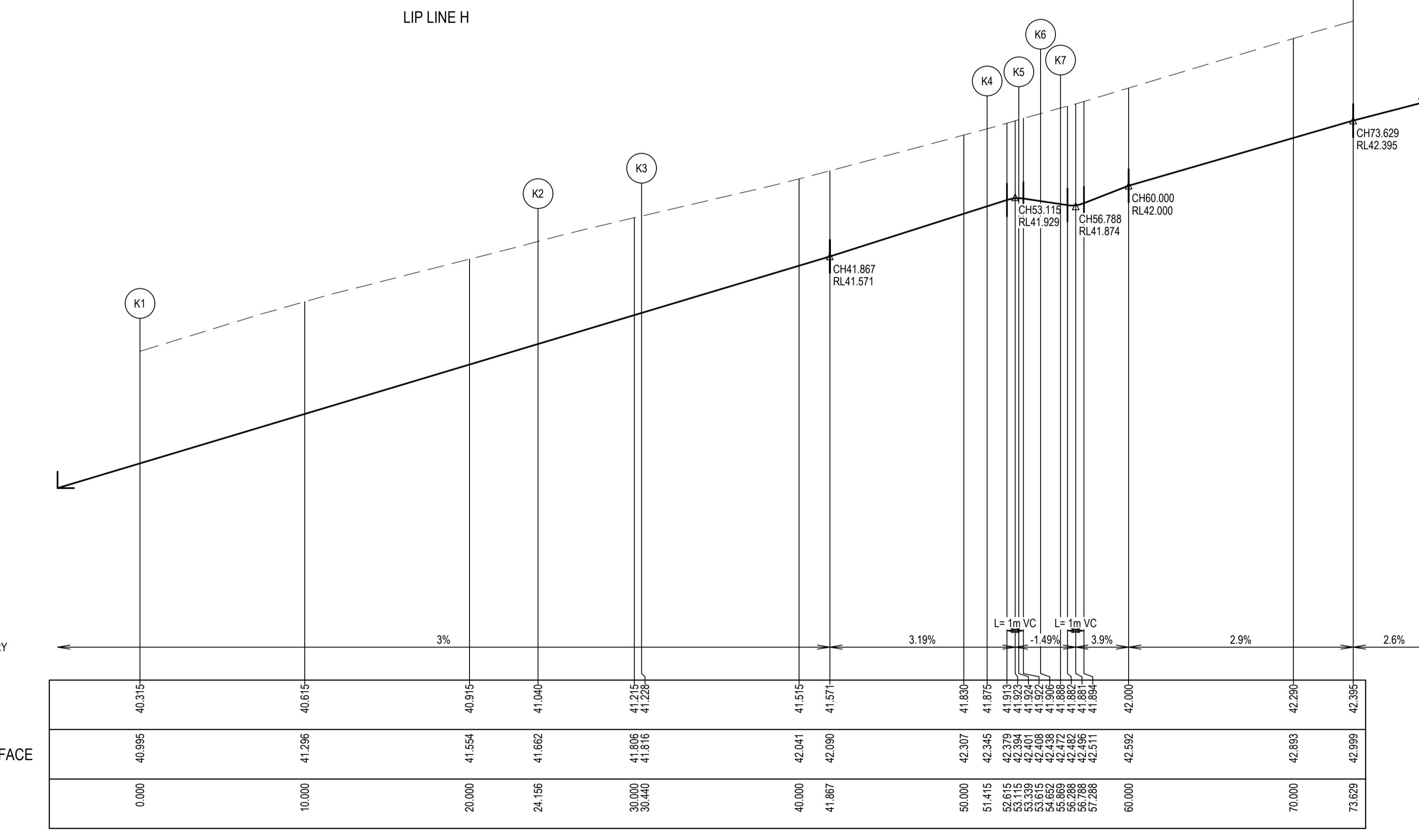
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
AS SHOWN
INTERSECTION DETAILS
(SHEET 2 OF 4)

Sheet 17 of 24
Scale 1:200
Project Ref 1801767 Stage No 38 Drawing No 301 Rev A


ALIGNMENT H

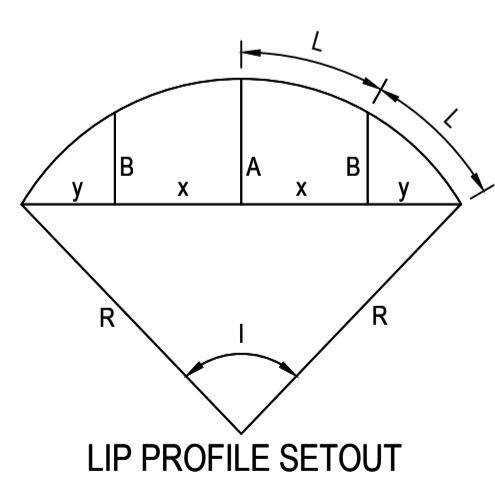
Point no	Easting	Northing	RL
H1	2285.653	258.283	40.305
H2	2287.325	271.643	40.709
H3	2288.943	281.061	40.996
H4	2281.611	291.436	41.346

Curve no	I	Radius	Arc	A	B	X	Y	L	Mid point RL
H2 - H3	5.239	104.550	9.559	0.109	0.082	2.390	2.388	2.390	40.852
H3 - H4	95.239	8.600	14.295	2.803	2.071	3.472	2.881	3.574	41.210


ALIGNMENT K

Point no	Easting	Northing	RL
K1	2299.148	256.598	40.315
K2	2302.147	280.561	41.040
K3	2302.556	286.831	41.228
K4	2302.683	307.805	41.875
K5	2303.411	309.533	41.924
K6	2303.435	310.456	41.906
K7	2304.805	311.549	41.888
K8	2304.912	329.309	42.395

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
K2 - K3	6.786	53.050	6.284	0.093	0.070	1.571	1.569	1.571	41.134
K4 - K5	45.000	2.450	1.924	0.186	0.139	0.478	0.460	0.481	41.906
K6 - K7	44.997	1.550	1.217	0.118	0.088	0.302	0.291	0.304	41.897



HORIZONTAL
0 2 4 8 12 16 20
0.2 0.4 0.8 1.2 1.6 2
VERTICAL
1:200 H 1:20 V @ A1

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REV DESCRIPTION

DATE DRN. APP. REV

DESCRIPTION

DATE DRN. APP.



MERIDIAN
CENTRAL



Beveridge Williams

Designed
Date

S. LOTAY
15.07.2022

Drawn
Date

M. JAURIGUE
18.07.2022

Approved
Date

M. FELICIANO
18.07.2022

PS Number

PS902139P

Project Details
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY

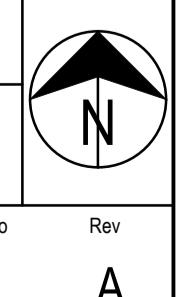
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INTERSECTION DETAILS
(SHEET 3 OF 4)

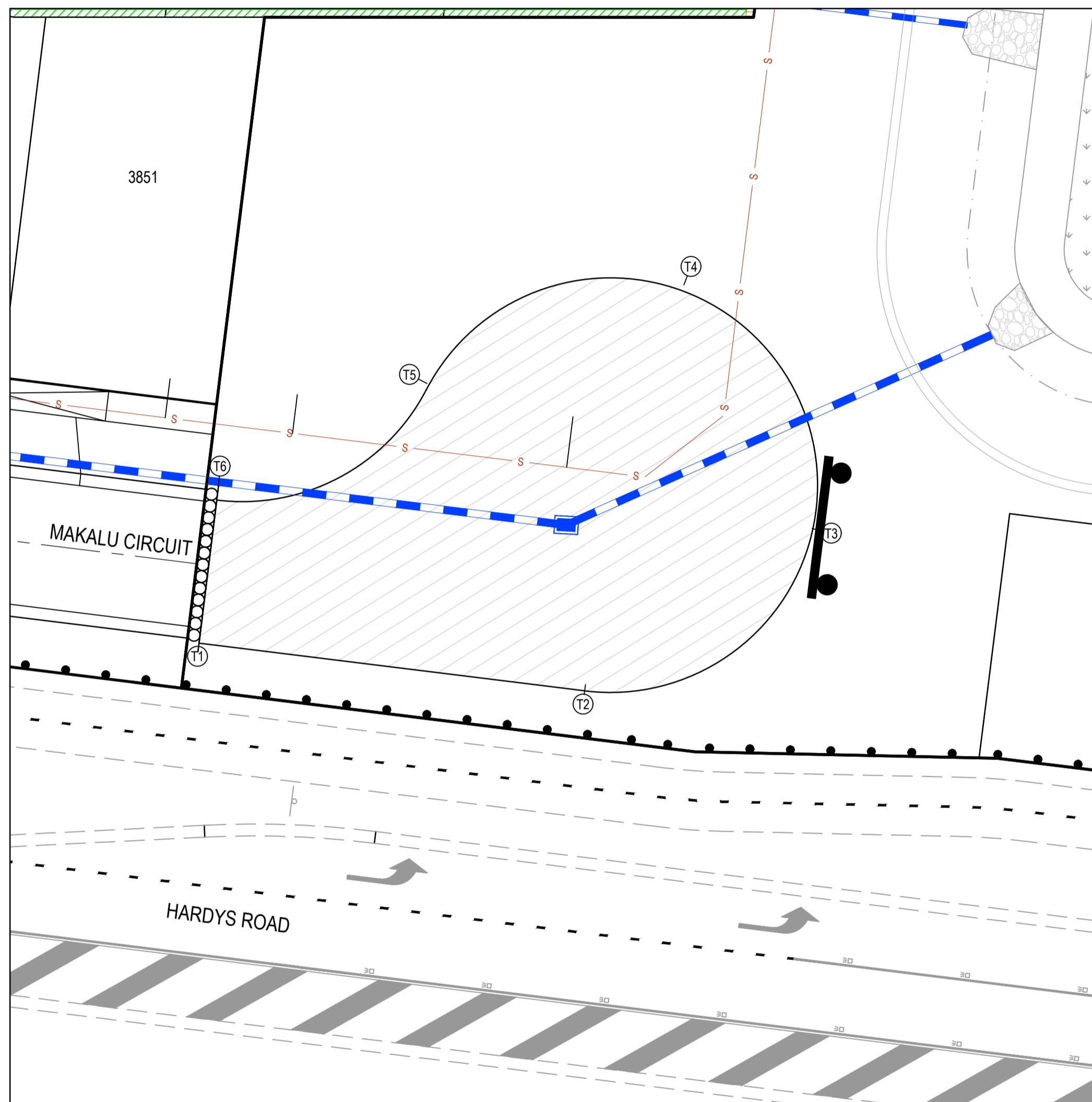
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Sheet 18 of 24

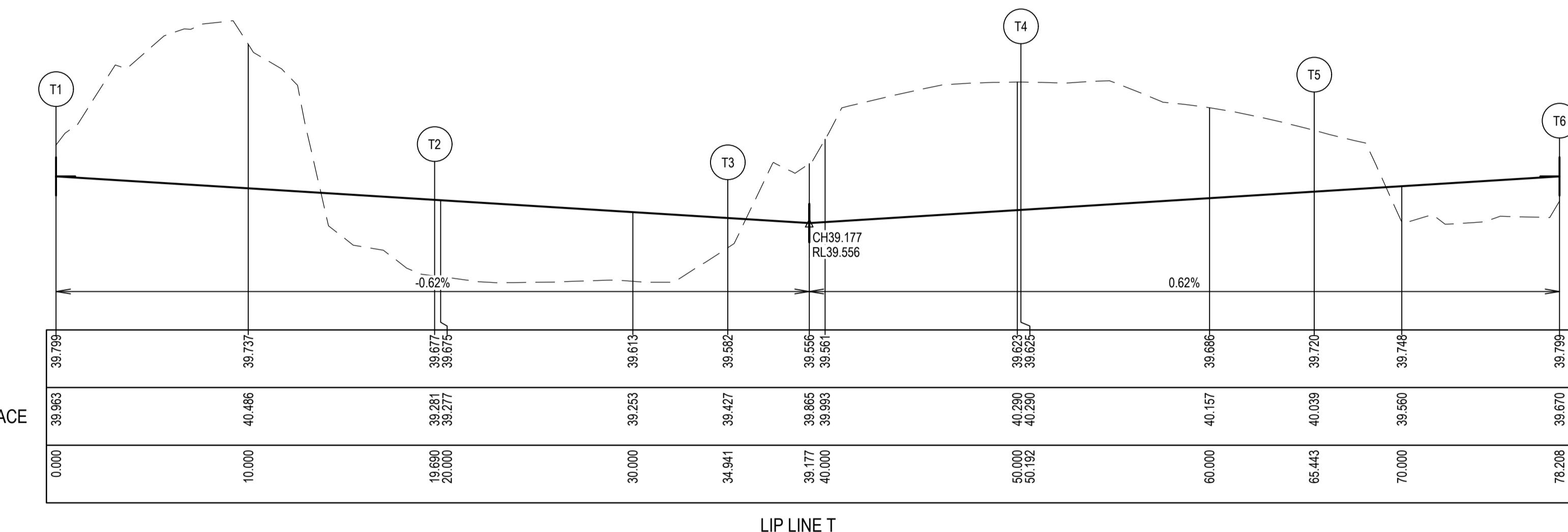
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AS SHOWN

Project Ref Stage No Drawing No Rev
1801767 38 302 A





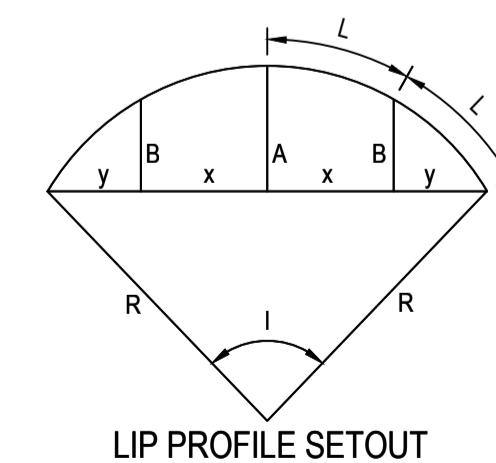
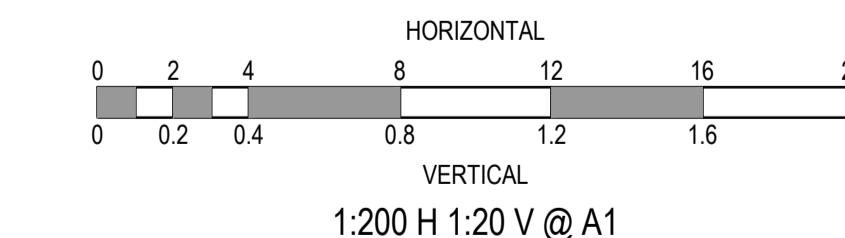
VERTICAL GEOMETRY
DATUM RL39
DESIGN LEVEL
EXISTING SURFACE
CHAINAGE



ALIGNMENT T

Point no	Easting	Northing	RL
T1	2206.412	225.826	39.799
T2	2225.954	223.406	39.677
T3	2237.439	231.315	39.582
T4	2230.942	243.654	39.625
T5	2217.922	238.659	39.720
T6	2207.310	233.070	39.799

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
T2 - T3	83.219	10.500	15.251	2.649	1.965	3.729	3.243	3.813	39.630
T3 - T4	83.219	10.500	15.251	2.649	1.965	3.729	3.243	3.813	39.577
T4 - T5	83.219	10.500	15.251	2.649	1.965	3.729	3.243	3.813	39.672
T5 - T6	69.656	10.500	12.765	1.881	1.400	3.142	2.854	3.191	39.759



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M
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CENTRAL

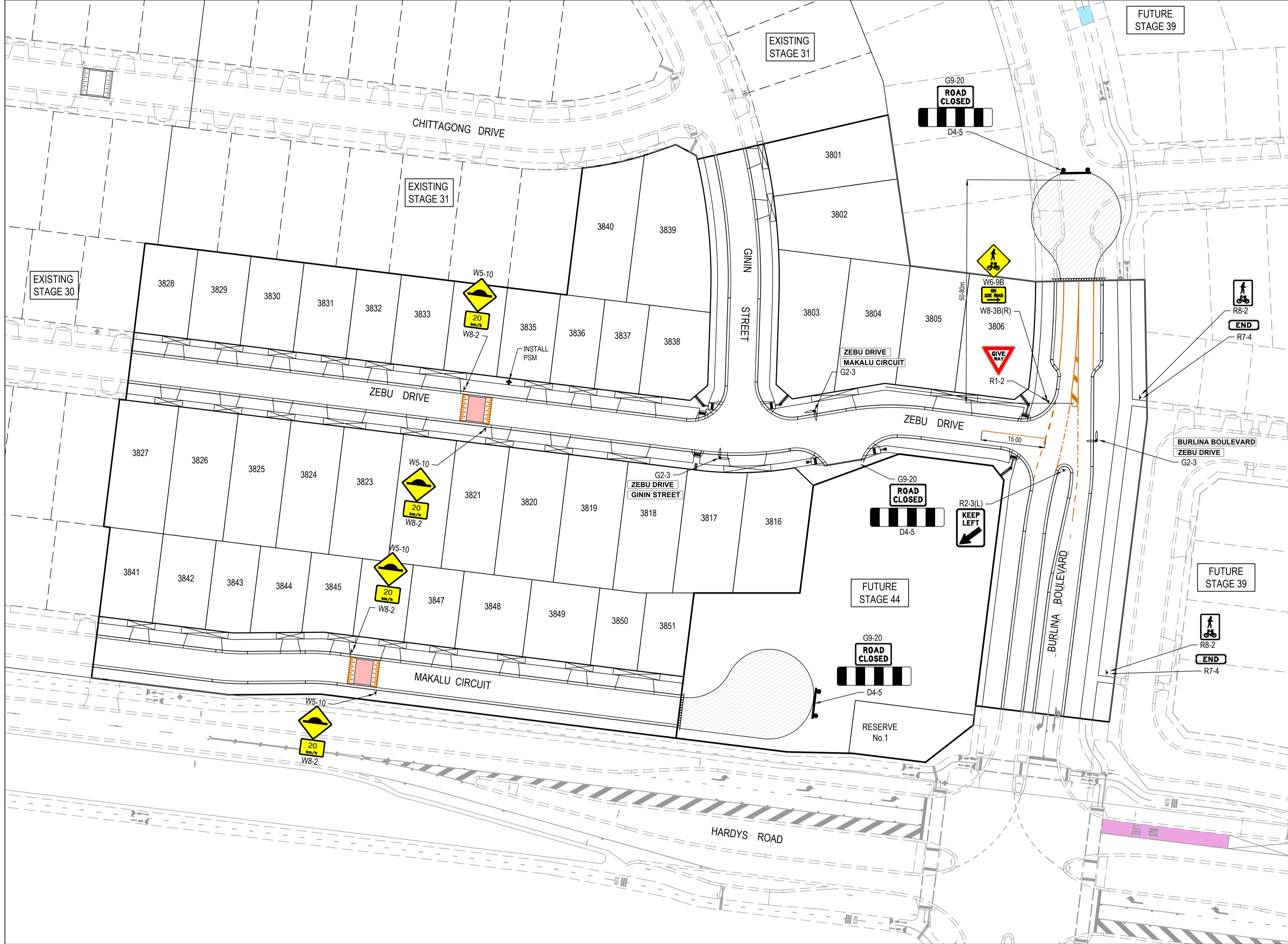
Designed S. LOTAY
Date 15.07.2022
Drawn M.F. JAURIGUE
Approved M. FELICIANO
Date 18.07.2022
PS Number PS902139P

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title
INTERSECTION DETAILS
(SHEET 4 OF 4)

Sheet 19 of 24
Scale AS SHOWN
Project Ref 1801767 Stage No 38 Drawing No 303 Rev A





- NOTES**
1. RRPM'S 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.

0 5 10 20 30 40
SCALE 1:500 AT A1 SIZE

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B	RRPM'S ADDED	22.12.22	M.F.	M.F.
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REV	DESCRIPTION	DATE DRN.	APP.	REV



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Drawn M. JAURIGUE
Approved Date M. FELICIANO 18.07.2022
PS Number PS902139P



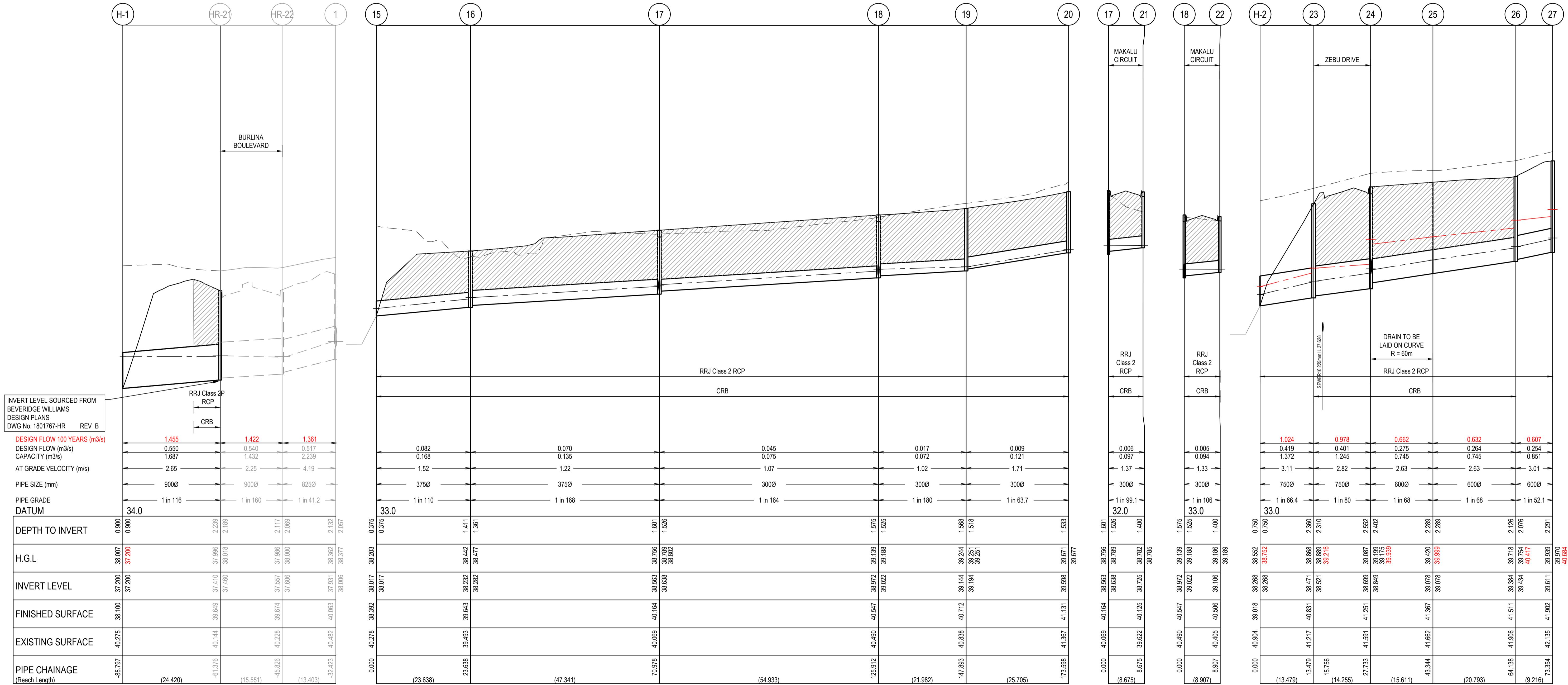
MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
SIGNAGE & LINE MARKING PLANS

Sheet 20 of 24
Scale 1:500 @ A1
Project Ref 1801767 Stage No 38 Drawing No 350 Rev B



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

<u>GEND</u>	
— — — —	EXISTING SURFACE
—————	DESIGN SURFACE
—————	DRAINAGE PIPE/PIT
— — — — —	EXISTING DRAINAGE PIPE/PIT
— — — — —	HYDRAULIC GRADE LINE



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REV	DESCRIPTION	PAGE	PN	AP



MERID
CENT

HORIZ 1:500 0 5
VERT 1:50 0 0.5

0 20
1 2
SCALE AT A1 S

3

Designed	
Date	
Drawn	M.F.
Approved	M.
Date	
PC No.	

S. LOTAY
15.07.2022

AURIGUE

LICIANO
18.07.2022

BW

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bridge Williams

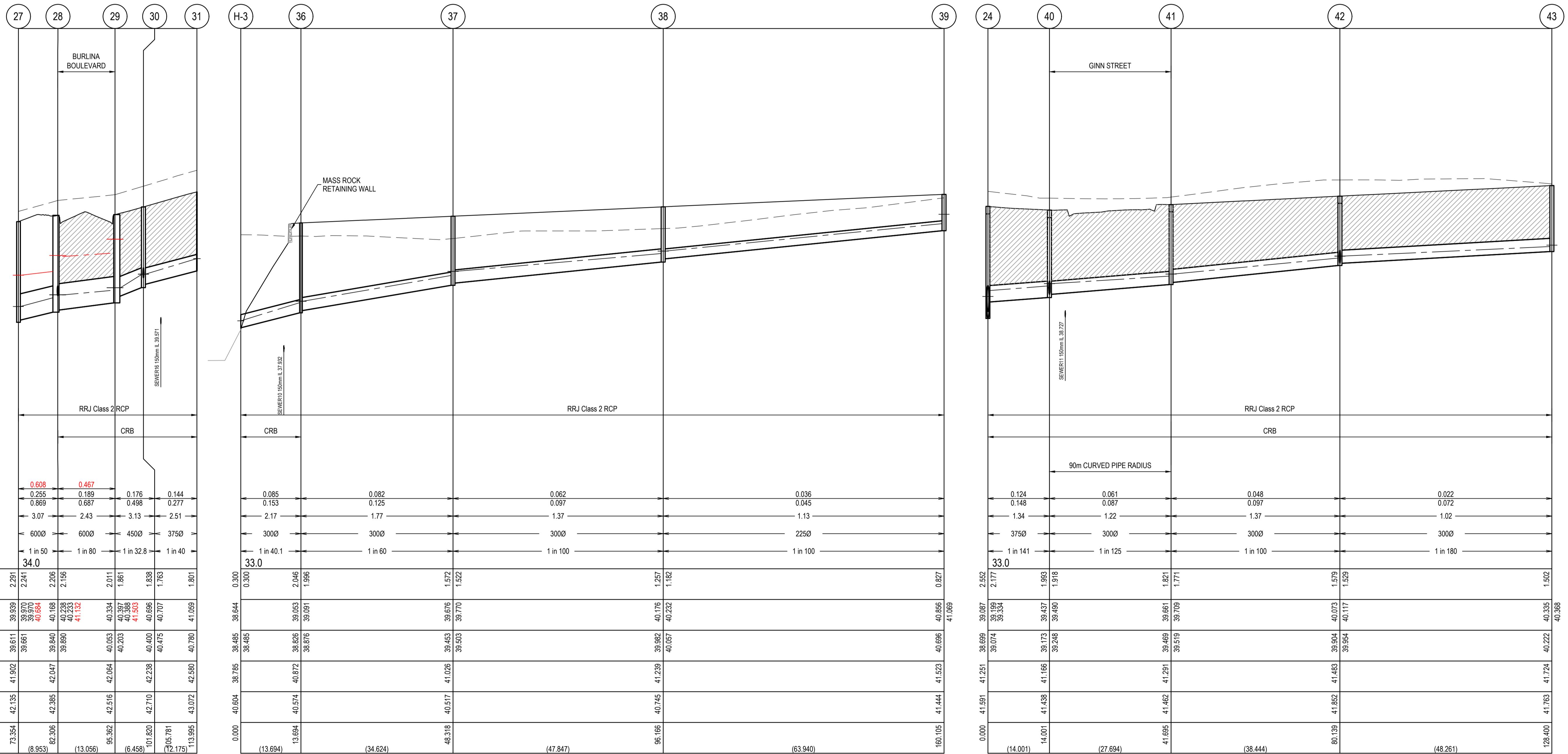
Project Details MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY

Drawing Title DRAINAGE LONGITUDINAL SEC
(SHEET 1 OF 4)

Sheet 21 of 24		
Scale	1:500 H 1:50 V @ A1	
Project Ref	Stage No	Drawing No
1801767	38	400

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

<u>LEGEND</u>	
— — — — —	EXISTING SURFACE
— — — — —	DESIGN SURFACE
— — — — —	DRAINAGE PIPE/PIT
— — — — —	EXISTING DRAINAGE PIPE/PIT
— — — — —	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



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MERIDI
CENTR

HORIZ 1:500 0 5 10
VERT 1:50 0 0.5 1

Designed	S. L.
Date	15.0
Drawn	M.F. JAUR
Approved	M. FELIC
Date	18.0

TOTAY
07.2022

BRIGUE
CIANO

07.2022

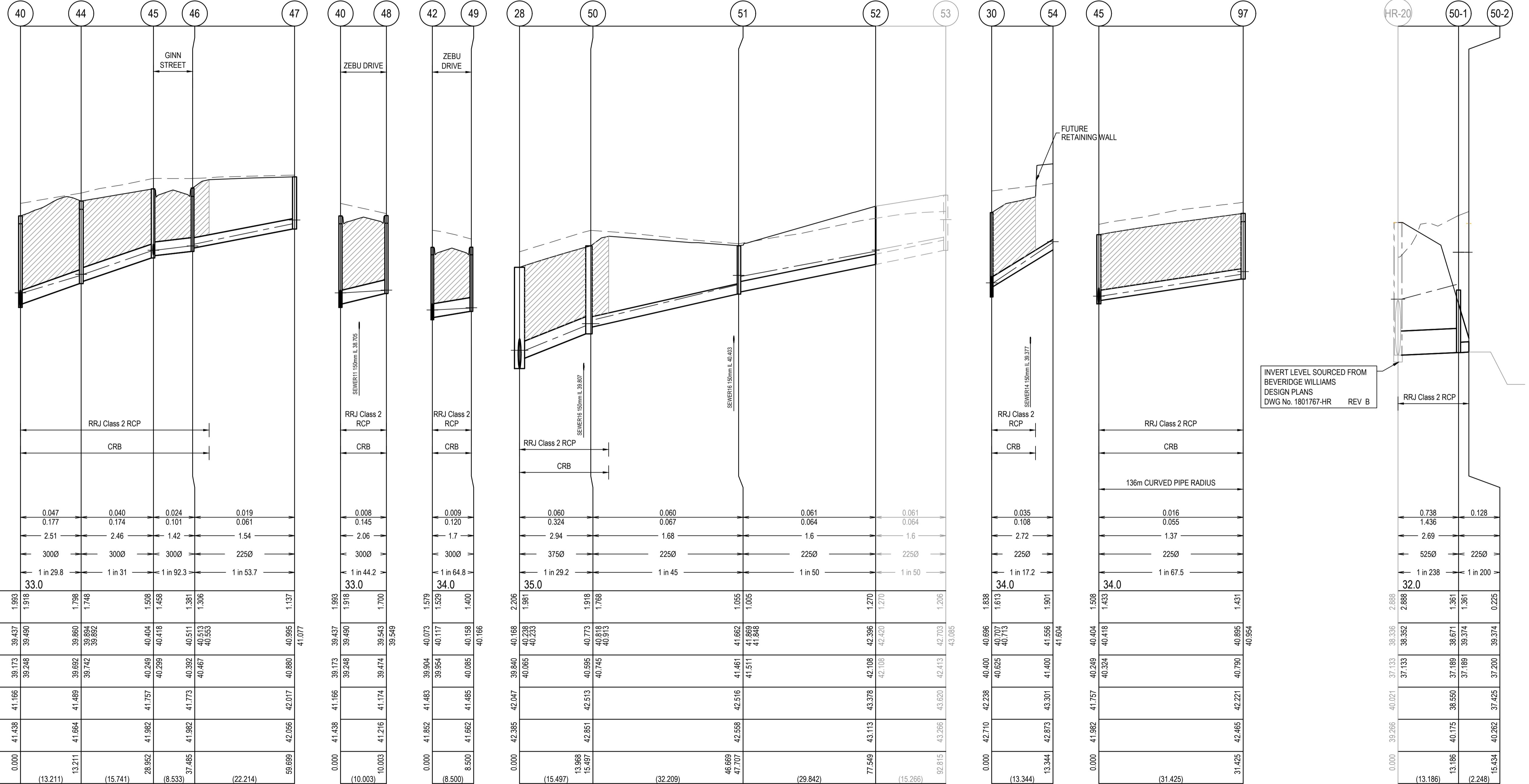
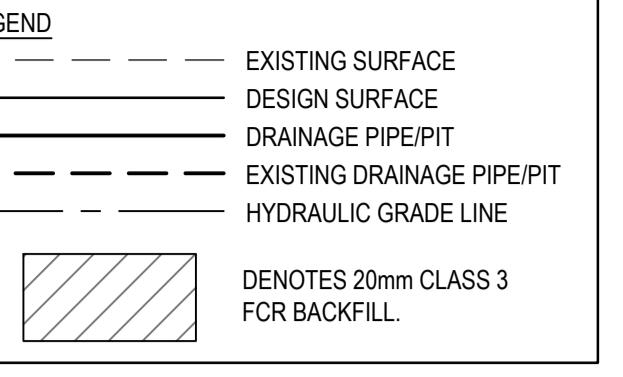
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eridge William

ms	<p>Project Details</p> <p>MERIDIAN CENTRAL ESTATE STAGE 38 CITY OF CASEY</p>
	<p>Drawing Title</p> <p>DRAINAGE LONGITUDINAL SECT</p>

N O T E S	Sheet 22 of 24		
	Scale	1:500 H 1:50 V @ A1	
Project Ref _____			Stage No. _____
Drawing No. _____		Rev. _____	_____

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 28.11.22 M.F.J. M.F.
REV DESCRIPTION DATE DRN. APP. REV DESCRIPTION DATE DRN. APP.



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

Designed Date S. LOTAY 15.07.2022
Drawn M.F. JAURIGUE
Approved Date M. FELICIANO 18.07.2022
PS Number PS902139P

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MERIDIAN CENTRAL ESTATE
STAGE 38
CITY OF CASEY
Drawing Title DRAINAGE LONGITUDINAL SECTIONS
(SHEET 3 OF 4)
Project Ref 1801767 Stage No 38 Drawing No 402 Rev A

Sheet 23 of 24
Scale 1:500 H:1:50 V @ A1
K:\Jobs\Data\1801767 - Meridian_Eng\Stage 38\Drawings\1801767-38-400-DLS.dwg

PIT SCHEDULE												
PIT NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		STD DWG	REMARKS	
		WIDTH	LENGTH	DIA	INVLEV	DIA	INVLEV	SETOUT RL	DEPTH			
H-1	HEADWALL			900	37.200			38.100	0.900	VICROADS SD1811	INLET PIPE TO THE TEMPORARY DRAINAGE FACILITY. INST ALL ROCK BEACHING	
Ex.HR-21	DOUBLE GRATED ENTRY PIT	600	2200	900	37.460	900	37.410	39.649	2.239		CONTRACTOR TO CONNECT PROPOSED 900Ø STORMWATER PIPE TO EXISTING STUB	
15	HEADWALL			375	38.017			38.392	0.375	VICROADS SD1811	INLET PIPE TO THE TEMPORARY DRAINAGE FACILITY. INST ALL ROCK BEACHING	
16	JUNCTION PIT	600	900	375	38.282	375	38.232	39.643	1.411	EDCM 605	PROVIDE CLASS D HEAVY DUTY COVER	
17	GRATED ENTRY PIT	600	900	300	38.638	375	38.563	40.164	1.601	EDCM 601		
				300	38.638							
18	GRATED ENTRY PIT	600	900	300	39.022	300	38.972	40.547	1.575	EDCM 601	PROVIDE CLASS D HEAVY DUTY COVER	
				300	39.022							
19	JUNCTION PIT	600	900	300	39.194	300	39.144	40.712	1.568	EDCM 605		
20	JUNCTION PIT	600	900			300	39.598	41.131	1.533	EDCM 605		
21	GRATED ENTRY PIT	600	900			300	38.725	40.125	1.400	EDCM 601		
22	GRATED ENTRY PIT	600	900			300	39.106	40.506	1.400	EDCM 601		
H-2	HEADWALL			750	38.268			39.018	0.750	VICROADS SD1811	INLET PIPE TO THE TEMPORARY DRAINAGE FACILITY. INST ALL ROCK BEACHING	
23	GRATED ENTRY PIT	600	1500	750	38.521	750	38.471	40.831	2.360	EDCM 601 / 607	HAUNCH PIT TO 600 x 900 COVER	
24	GRATED ENTRY PIT	750	1050	600	38.849	750	38.699	41.251	2.552	EDCM 601 / 607	HAUNCH PIT TO 600 x 900 COVER	
				375	39.074							
25	TANGENT POINT			600	39.078	600	39.078	41.367	2.289			
26	GRATED ENTRY PIT	600	1200	600	39.434	600	39.384	41.511	2.126	EDCM 601 / 607	HAUNCH PIT TO 600 x 900 COVER	
27	JUNCTION PIT	600	1200	600	39.661	600	39.611	41.902	2.291	EDCM 607	HAUNCH PIT TO 600 x 900 COVER	
28	DOUBLE GRATED ENTRY PIT	900	900	600	39.890	600	39.840	42.047	2.206	EDCM 602 / 607	HAUNCH PIT TO 600 x 900 COVER	
				375	40.065							
29	DOUBLE GRATED ENTRY PIT	750	900	450	40.203	600	40.053	42.064	2.011	EDCM 602	HAUNCH PIT TO 600 x 900 COVER	
30	DOUBLE GRATED ENTRY PIT	750	900	375	40.475	450	40.400	42.238	1.838	EDCM 602	HAUNCH PIT TO 600 x 900 COVER	
				225	40.625							
31	END PIPE				375	40.780	42.580	1.801		SEAL PIPE END FOR FUTURE USE		
H-3	HEADWALL			300	38.485			38.785	0.300	VICROADS SD1811	INLET PIPE TO THE TEMPORARY DRAINAGE FACILITY. INST ALL ROCK BEACHING	
36	JUNCTION PIT	600	900	300	38.876	300	38.826	40.872	2.046	EDCM 605		
37	JUNCTION PIT	600	900	300	39.503	300	39.453	41.026	1.572	EDCM 605		
38	JUNCTION PIT	600	900	225	40.057	300	39.982	41.239	1.257	EDCM 605		
39	JUNCTION PIT	600	900			225	40.696	41.523	0.827	EDCM 605		
40	DOUBLE GRATED ENTRY PIT	600	900	300	39.248	375	39.173	41.166	1.993	EDCM 602		
				300	39.248							
41	GRATED ENTRY PIT	600	900	300	39.519	300	39.469	41.291	1.821	EDCM 601		
42	GRATED ENTRY PIT	600	900	300	39.954	300	39.904	41.483	1.579	EDCM 601		
				300	39.954							
43	GRATED ENTRY PIT	600	900			300	40.222	41.724	1.502	EDCM 601		
44	GRATED ENTRY PIT	600	900	300	39.742	300	39.692	41.489	1.798	EDCM 601		
45	JUNCTION PIT	600	900	300	40.299	300	40.249	41.757	1.508	EDCM 605		
				225	40.324							
46	GRATED ENTRY PIT	600	900	225	40.467	300	40.392	41.773	1.381	EDCM 601		
47	JUNCTION PIT	600	900			225	40.880	42.017	1.137	EDCM 605		
48	DOUBLE GRATED ENTRY PIT	600	900			300	39.474	41.174	1.700	EDCM 602		
49	GRATED ENTRY PIT	600	900			300	40.085	41.485	1.400	EDCM 601		
50	DOUBLE GRATED ENTRY PIT	600	900	225	40.745	375	40.595	42.513	1.918	EDCM 602		
51	JUNCTION PIT	600	900	225	41.511	225	41.461	42.516	1.055	EDCM 605		
52	END PIPE			225	42.108	225	42.108	43.378	1.270		SEAL PIPE END FOR FUTURE USE	
54	JUNCTION PIT					225	41.400	43.301	1.901	EDCM 605		
97	JUNCTION PIT	600	900			225	40.790	42.221	1.431	EDCM 605		
Ex.HR-20	JUNCTION PIT					1200	37.133	40.021	2.888		CONNECT OUTLET PIPES INTO EXISTING PIT	
				450	37.450							
				450	37.450							
50-1	OUTFALL PIT	900	900	225	37.189	525	37.189	38.550	1.361	EDCM 605 / 607	OUTFALL PIT WITH GRATED PIT	
						38.550						
50-2	HEADWALL			225	37.200	37.425	0.225			VICROADS SD1811	OUTLET PIPE TO THE TEMPORARY DRAINAGE FACILITY. INSTALL ROCK BEACHING	

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