

# MERIDIAN CENTRAL ESTATE - STAGE 39

## BROWNS PROPERTY PTY. LTD.

## CITY OF CASEY

City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
- A TMP approved prior to commencement of works.  
- An EMP approved prior to commencement of works.  
- Relevant service authorities notification and approval.

Signed: 

### 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. A temporary fence shall be erected & maintained around existing trees, nominated to be retained, at all times during construction. (For fencing details & construction works within the "Tree protection zone" refer to the arboricultural inspection report by XXXXX). - **DELETE IF NOT REQUIRED**
- A7. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.

#### GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey current specification & standard drawings & to the satisfaction of the City of Casey works supervisor.
- B2. Council to be notified two (2) clear days prior to commencement of works.
- B3. Before commencement of works on trenches in excess of 1.5m deep, the civil contractors construction supervisor must give notice in writing of such proposals to Worksafe Victoria in accordance with Part 5.1, Division 4 of the Occupational Health & Safety regulations (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-installment at the contractors expense.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. 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. A CCTV report must be provided for all drainage lines prior to issue of practical completion.
- B12. 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.
- B13. A traffic management plan (TMP) must be submitted to, and approved by council prior to the commencement of any works on site and all traffic management must be carried out in accordance with this TMP.
- B14. 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 detail of depth, type of material and density of the fill areas concerned.
- B15. Temporary crushed rock turn around areas must be maintained in a safe and sound condition so that vehicles area able to use them at all times.

#### ROADWORKS

- C1. 100a 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 contaminates 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 concrete marks the kerb & footpath exactly above the conduit.
- C9. Irrigation conduits are to be DN100 DWV PVC installed beneath the pavement and/or capping layer, if present. Locations are to be marked using a green dot spray painted on the top of kerb.
- C10. All footpaths are to be 125mm thick 25MPa concrete with SL72 mesh centrally located in accordance with the MPA standard drawing EDCM 401.
- C11. NBN Co to be notified seven (7) days prior to concrete works being placed.
- C12. Electrical distribution pits within footpaths are to be a minimum of 300mm within the edge of the path. Concrete is to be placed around distribution pits to a minimum depth of 200mm.
- C13. All street signs to be constructed & erected to current City of Casey standards including logo. Court street names are to show court name only.
- C14. Traffic control signs, markings & delineators to be installed in accordance with AS1742.2. All line marking is to be long life road marking, with longitudinal lines in thermoplastic & transverse markings in cold applied.
- C15. Driveways to be constructed in accordance with the MPA standard drawings EDCM 501 & EDCM 502. Single driveways to be a minimum 3.5m wide & to be offset 0.75m from side boundary or easement unless otherwise shown.
- C16. Kerb transition to take place in the minor street over a 2.0m length from either the tangent point or TP pit.
- C17. Existing road works to be reconstructed as required to provide, without discontinuity, a connection in accordance with design levels & grades.
- C18. Provide 2.5m wide shared footpath through reserves as shown on a curvilinear alignment to the satisfaction of the engineer.
- C19. Tactile ground surface indicators (TGSi) are to be installed at all pram crossings & pedestrian cross points in accordance with AS1428.4 : 2002 & MPA standard drawing EDCM 403.

#### DRAINAGE

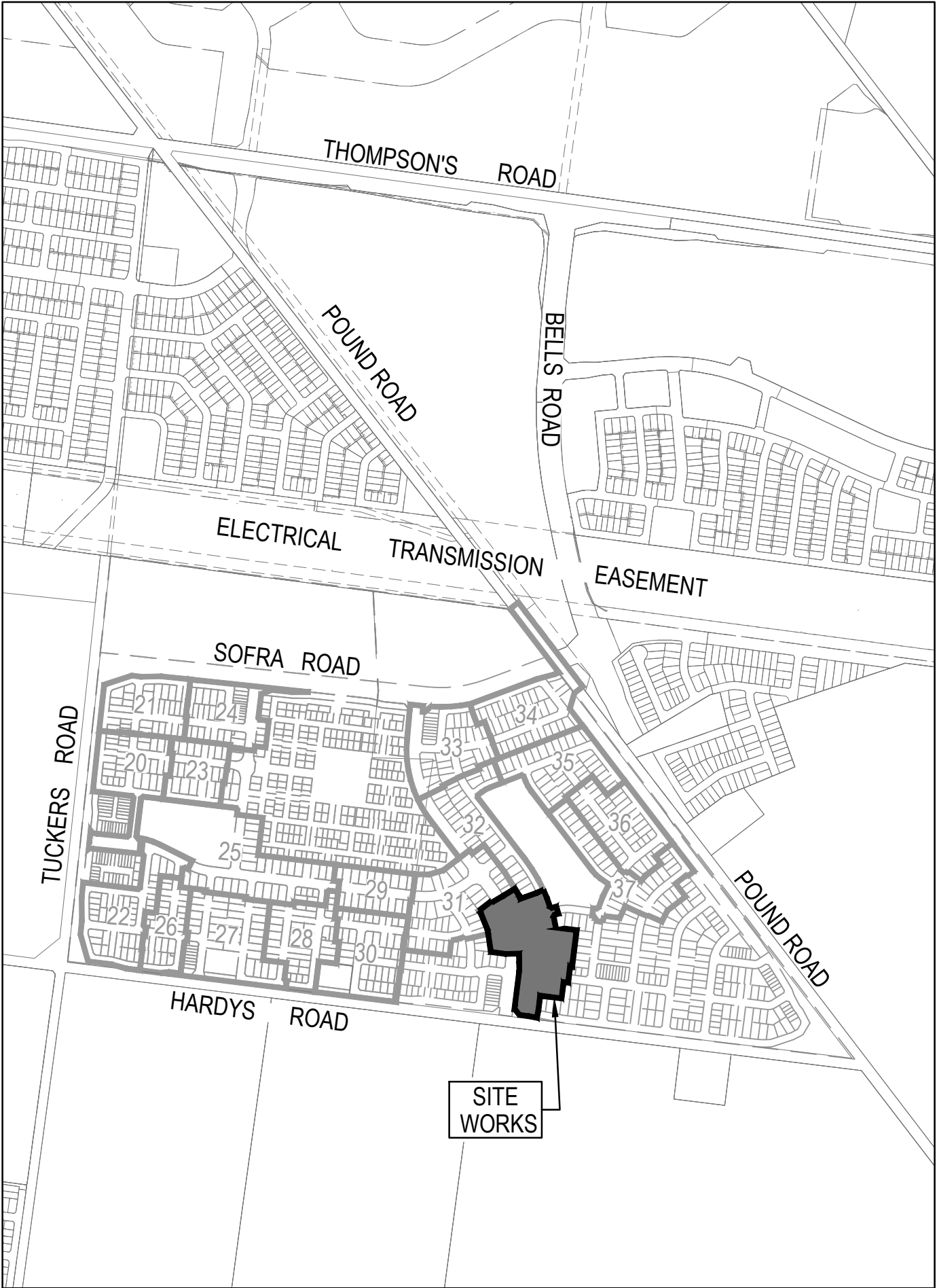
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages.
- D2. Lightweight fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed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

#### PAVEMENT

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

### DRAWING INDEX

DRAWING No.	TITLE	REVISION
1801767-39-001	COVER SHEET	C
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1801767-39-010	LAYOUT PLAN	C
1801767-39-015	INTEGRATED WATER MANAGEMENT LAYOUT PLAN	A
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1801767-39-017	INTEGRATED WATER MANAGEMENT DETAILS (SHEET 2 OF 2)	A
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1801767-39-203	ROAD CROSS SECTIONS DABLAM STREET & MALVI ROAD	A
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1801767-39-205	ROAD CROSS SECTIONS KILLARI CRICUIT/ PONWAR ROAD (SHEET 2 OF 2)	A
1801767-39-300	INTERSECTION DETAILS (SHEET 1 OF 3)	A
1801767-39-301	INTERSECTION DETAILS (SHEET 2 OF 3)	A
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1801767-39-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 3)	A
1801767-39-403	DRAINAGE PIT SCHEDULE	A



### SITE PLAN

NOT TO SCALE

MELWAY REF: 135 F4

ISSUED FOR  
CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
C	REVISION TABLE UPATED	18.01.23	M.F.	M.F.					
B	REVISION TABLE UPATED	16.01.23	M.F.J	M.F.					
A	ISSUED FOR CONSTRUCTION	22.12.22	C.D	M.F.					



Designed  
Date  
C.DAWSON  
20.09.2022

Drawn  
M.F. JAURIGUE

Approved  
Date  
M. FELICIANO  
20.09.2022

PS Number  
PS902140F



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Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY

Drawing  
Title  
COVER SHEET

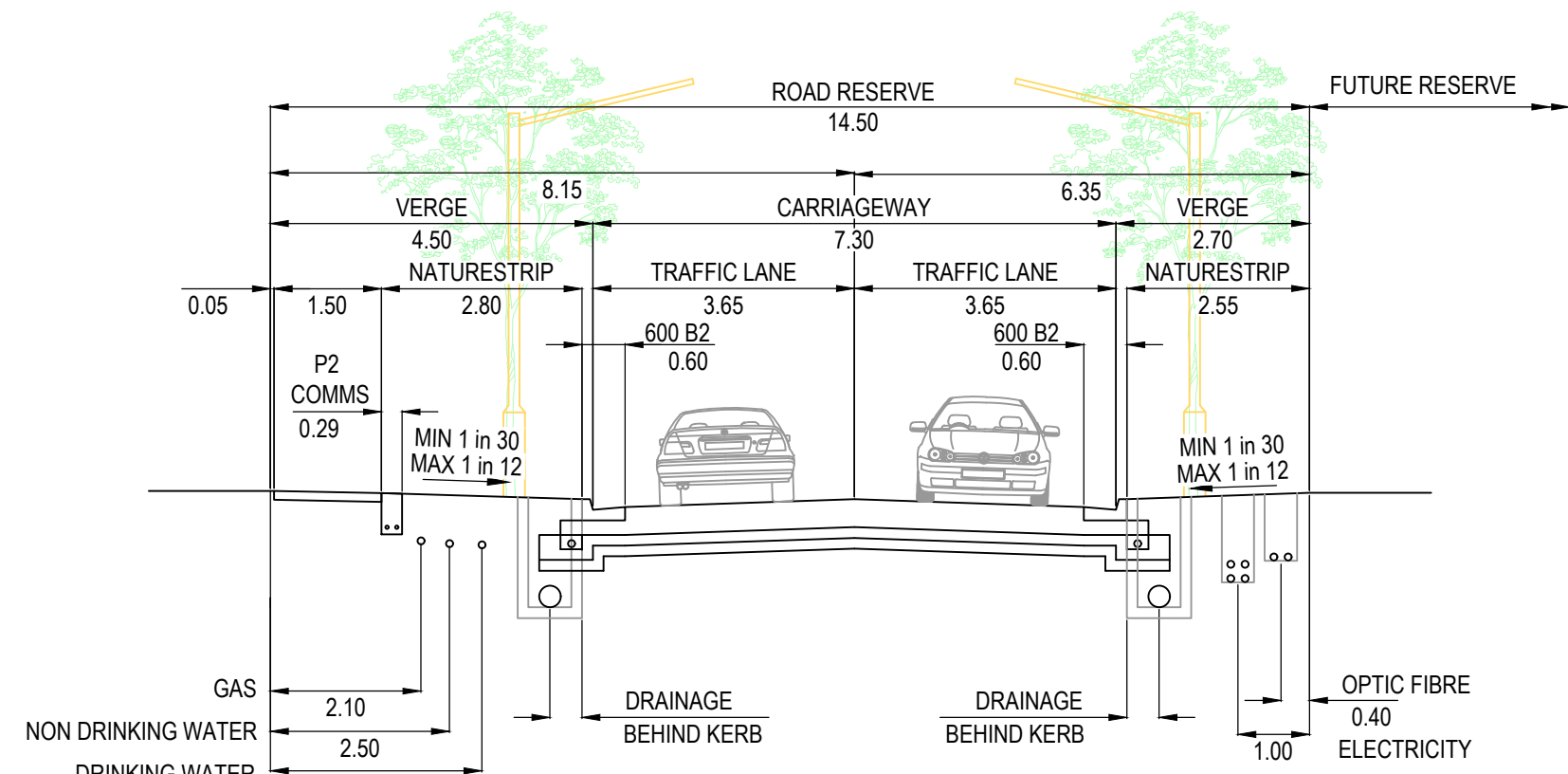
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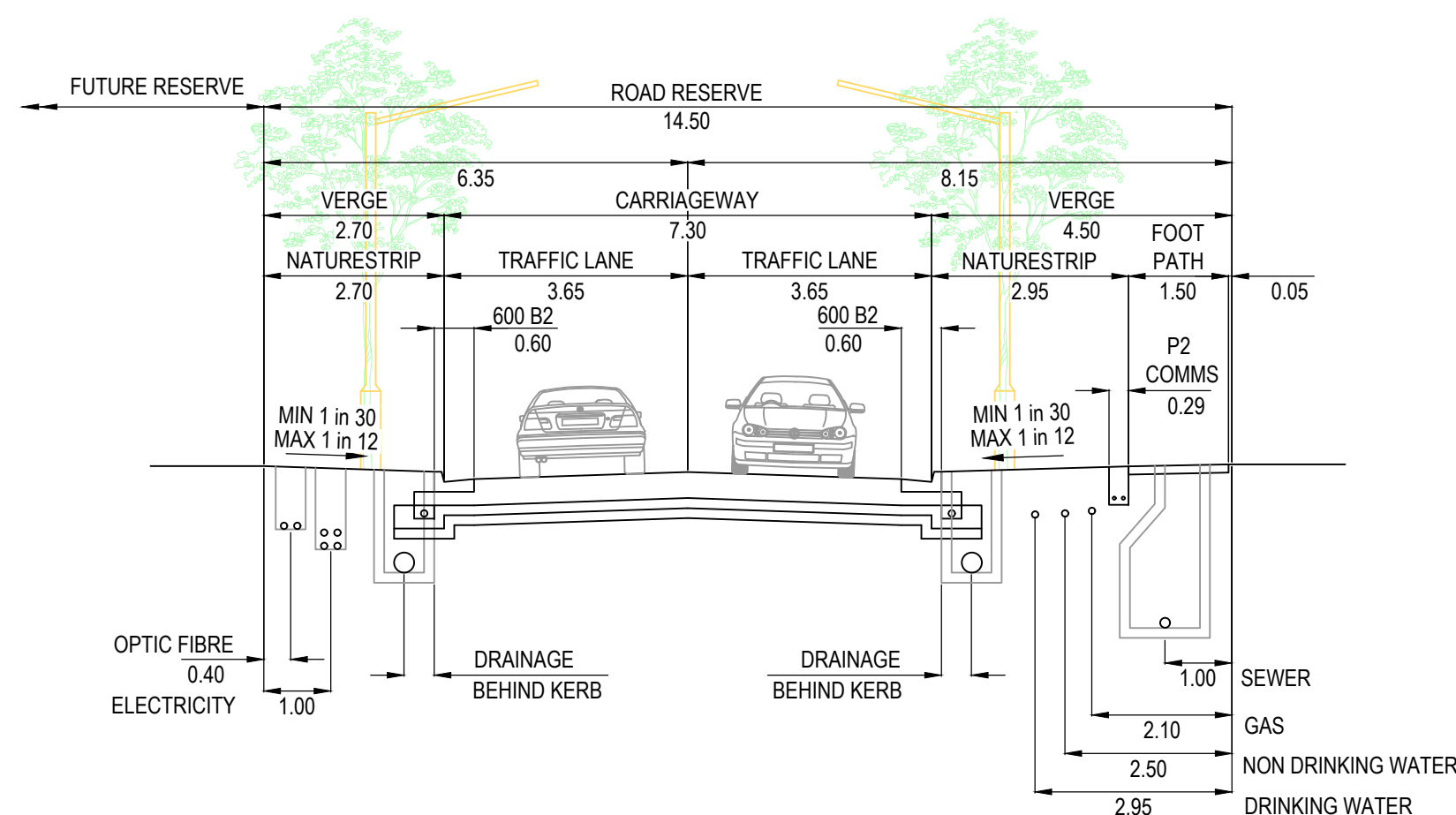


Project Ref	Stage No	Drawing No	Rev
1801767	39	001	C

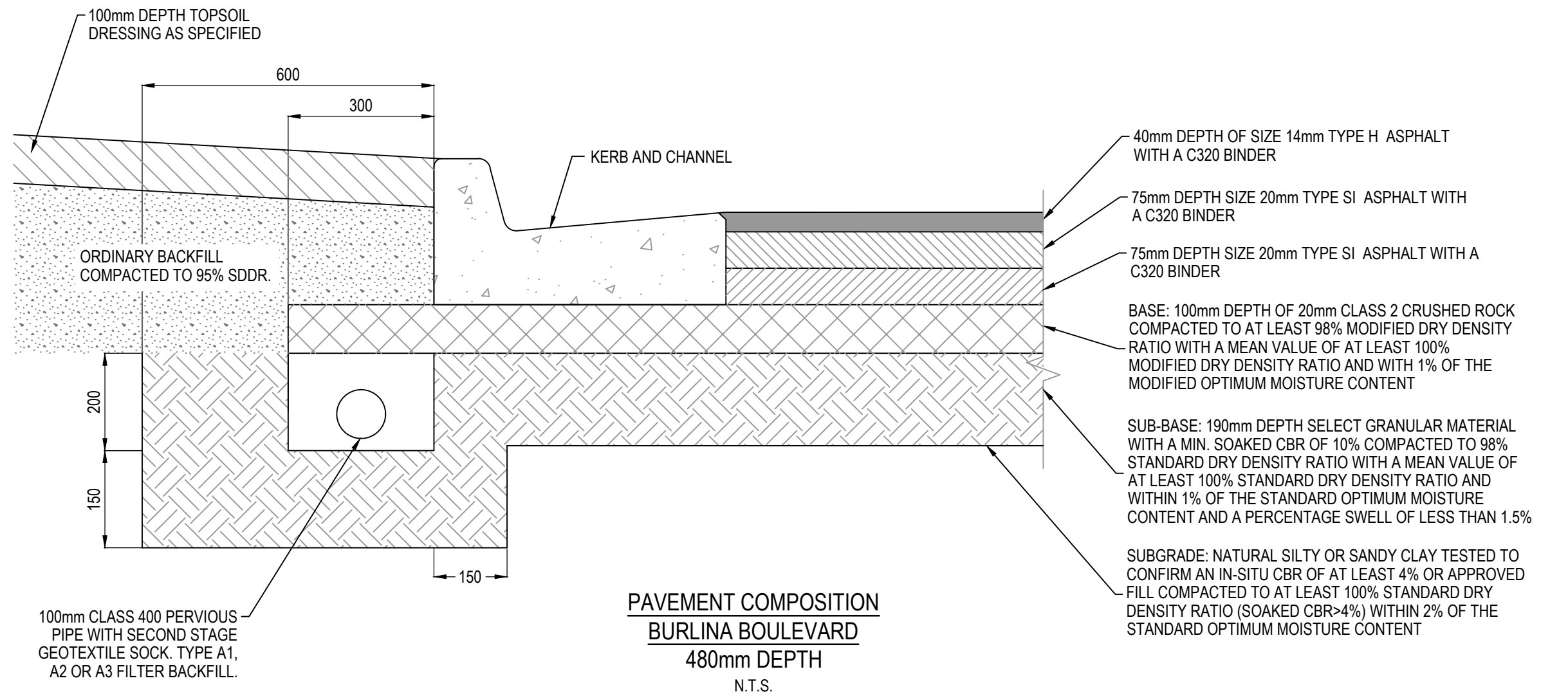




14.5m ROAD RESERVE  
DABLAM STREET (LOTS 3943-3941)  
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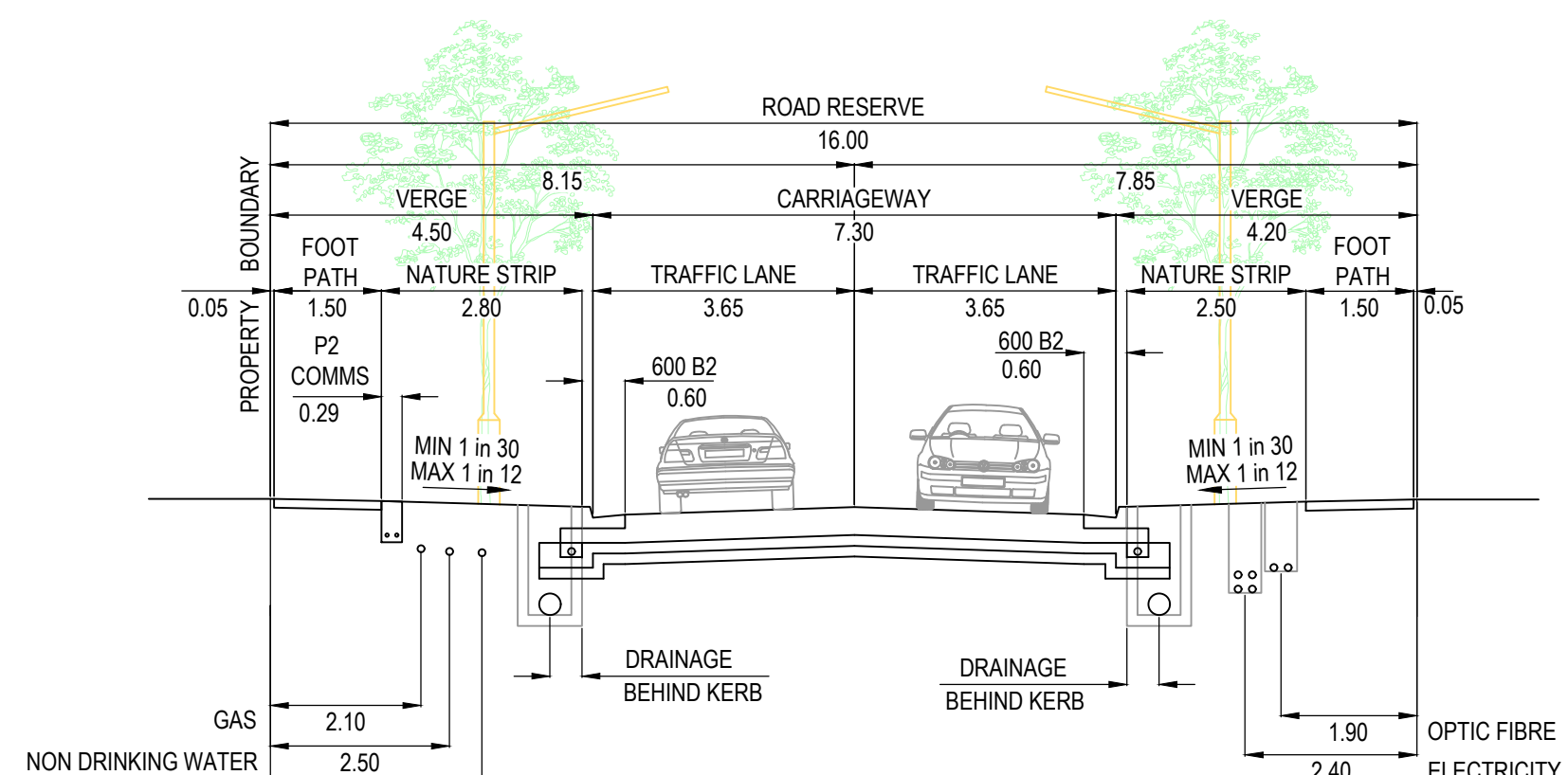


14.5m ROAD RESERVE  
KHILLARI CIRCUIT (LOTS 3911 - 3914 & BERRENDA STREET)  
SCALE 1:100

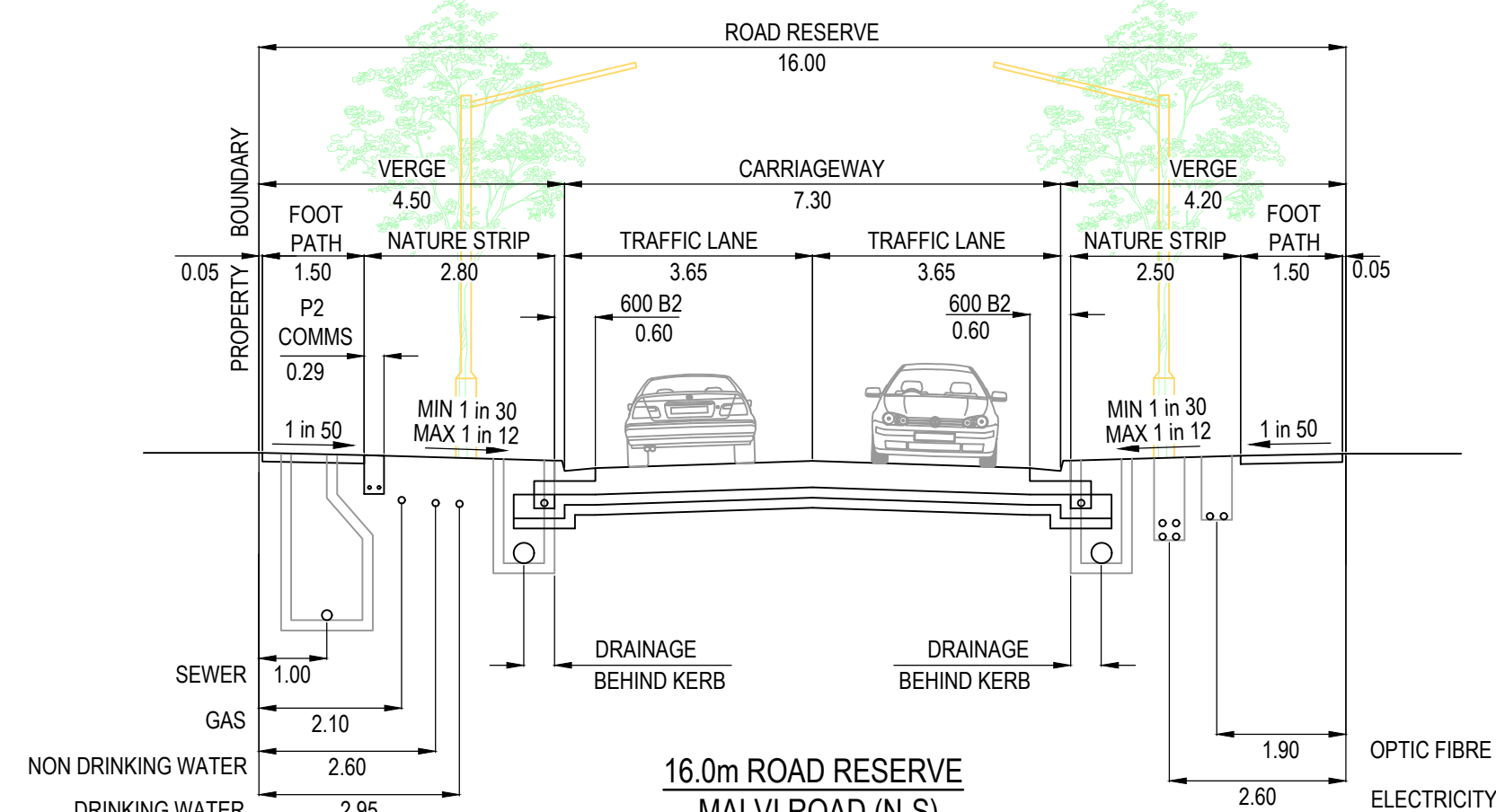


PAVEMENT COMPOSITION  
BURLINA BOULEVARD  
480mm DEPTH  
N.T.S.

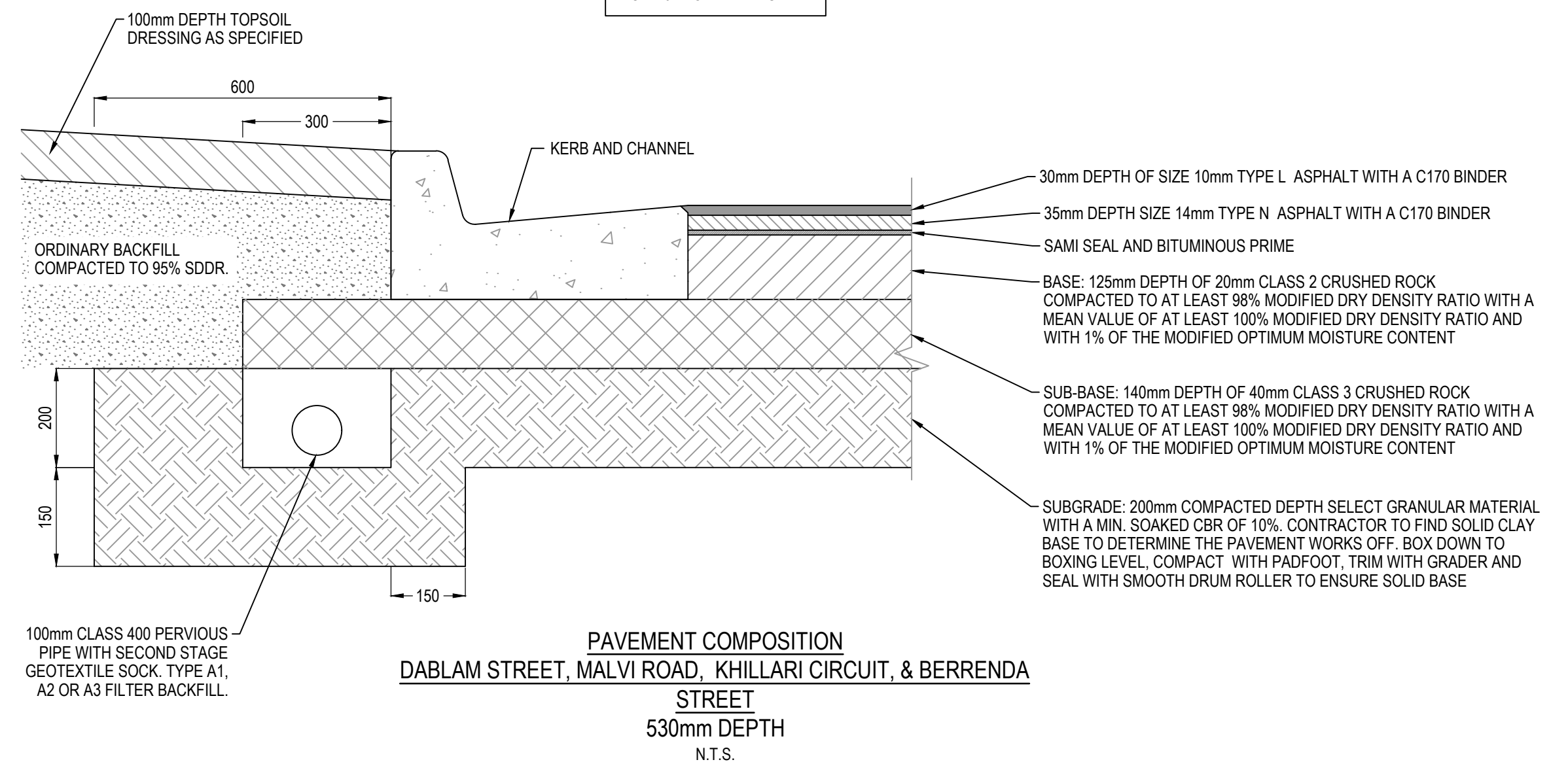
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EDCM 202 FOR DETAILS.



16.0m ROAD RESERVE  
DABLAM STREET (LOTS 3901 - 3905)  
SCALE 1:100

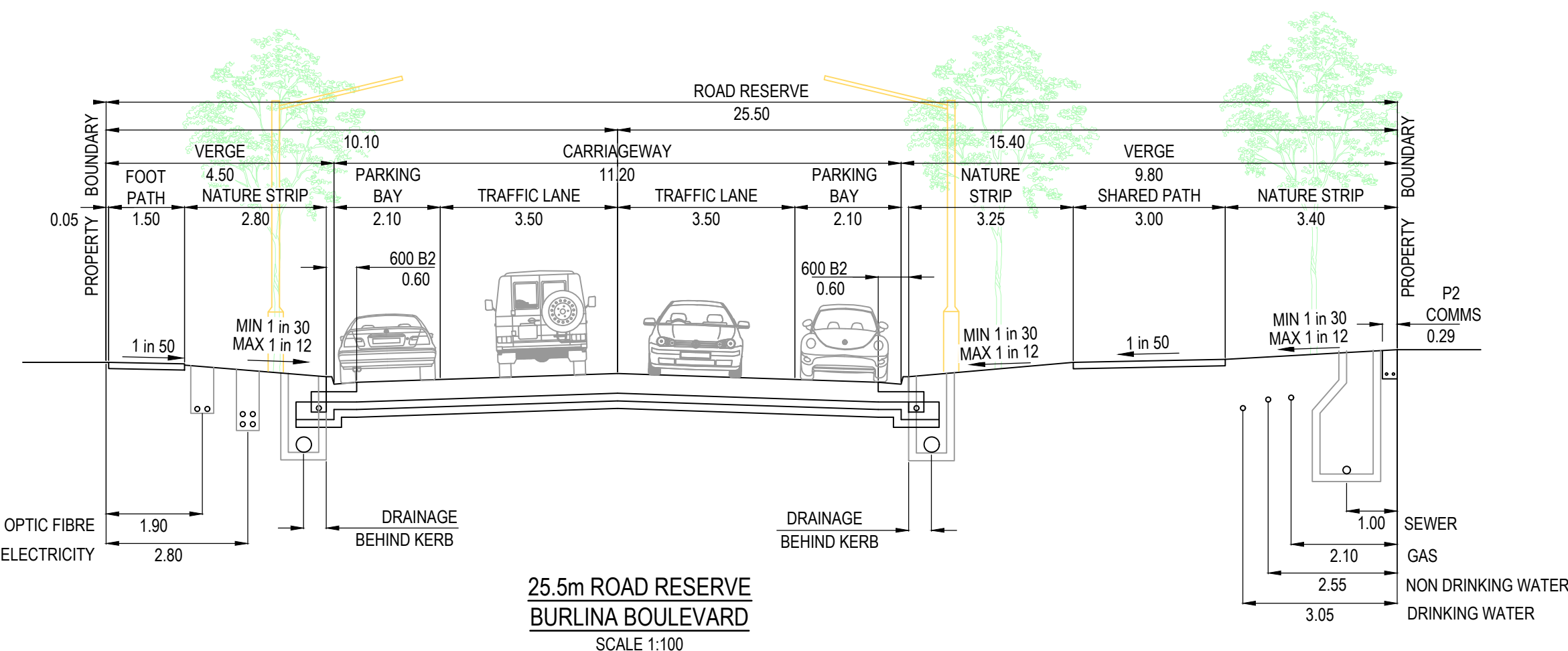


16.0m ROAD RESERVE  
MALVI ROAD (N-S)  
SCALE 1:100

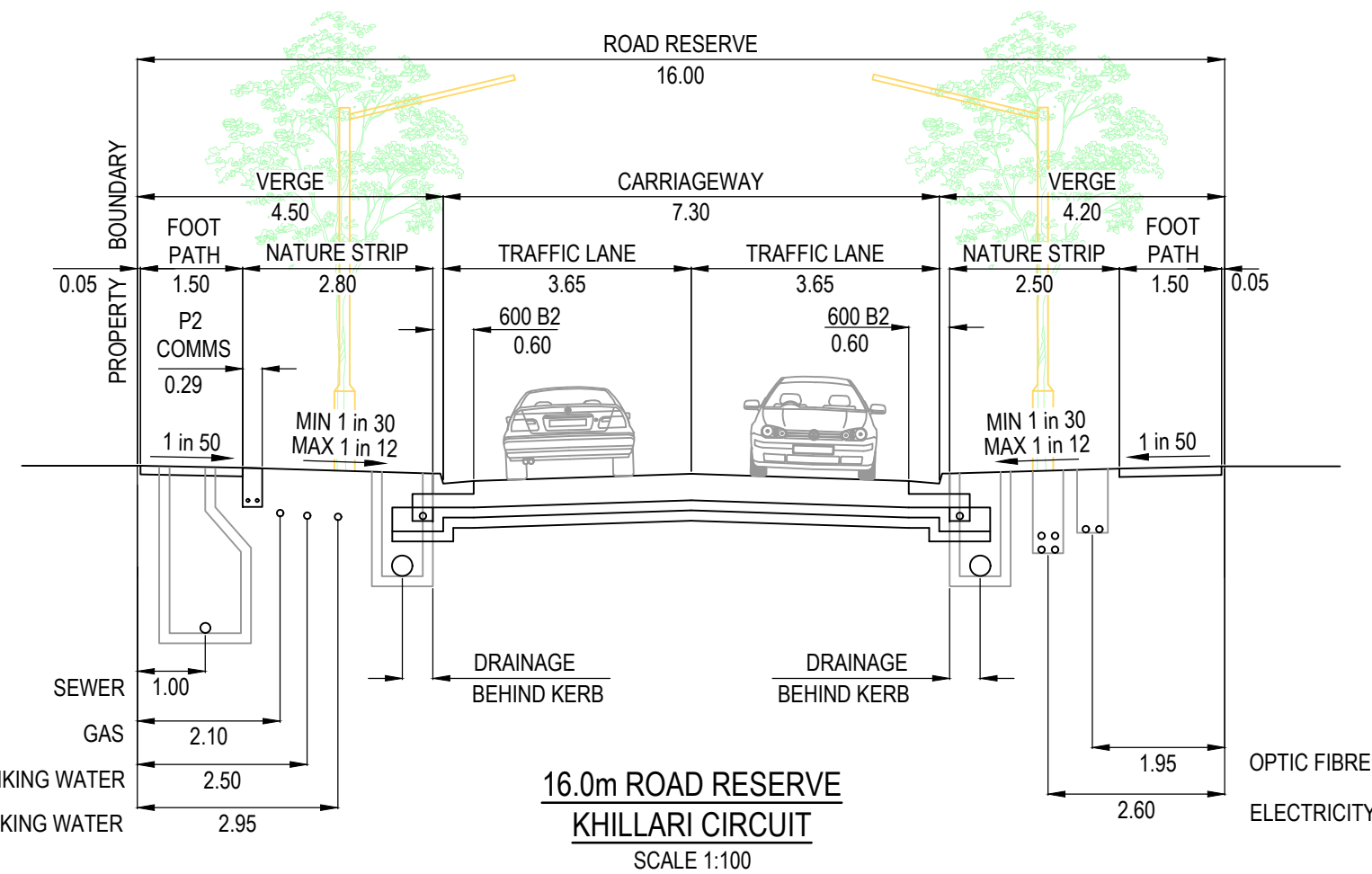


PAVEMENT COMPOSITION  
DABLAM STREET, KHILLARI ROAD, KHILLARI CIRCUIT, & BERRENDA STREET  
530mm DEPTH  
N.T.S.

REFER STANDARD DRAWING  
EDCM 202 FOR DETAILS.



25.5m ROAD RESERVE  
BURLINA BOULEVARD  
SCALE 1:100



16.0m ROAD RESERVE  
KHILLARI CIRCUIT  
SCALE 1:100

## City of Casey

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File No: SEng00280/22  
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Council Drawing No.: R5924  
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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D.	M.F.					



Designed  
Date  
C.DAWSON  
20.09.2022  
Drawn  
M.F. JAURIGUE  
Approved  
Date  
M. FELICIANO  
20.09.2022  
PS Number  
PS902140F



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Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing  
Title  
TYPICAL ROAD CROSS SECTIONS  
AND PAVEMENT MAKE UP

Sheet 02 of 24

Scale  
AS SHOWN

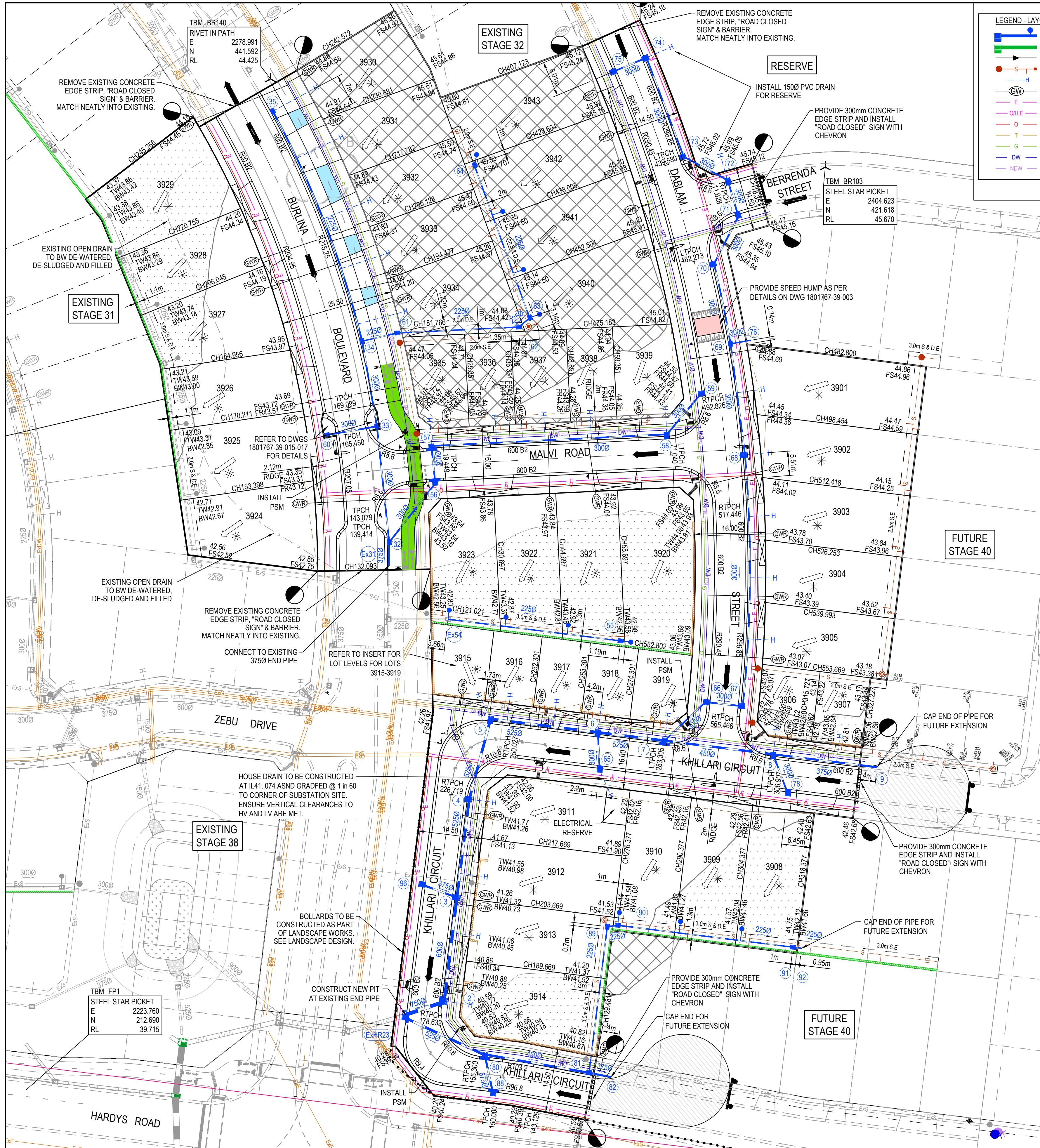
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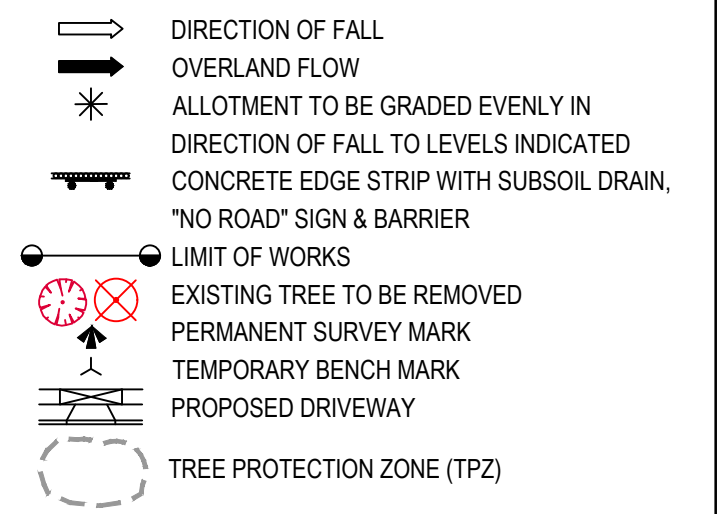
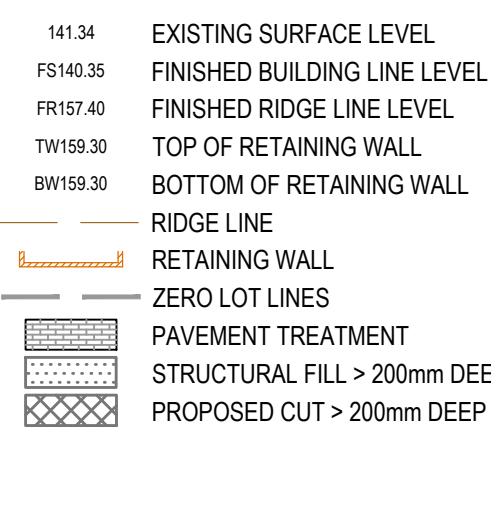
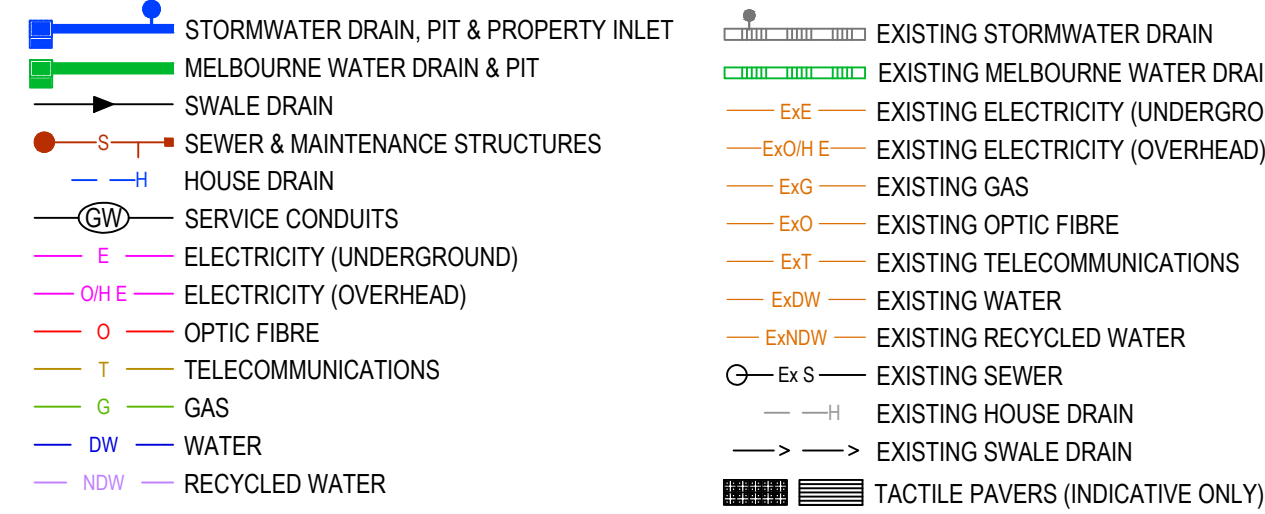








LEGEND - LAYOUT PLAN



**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

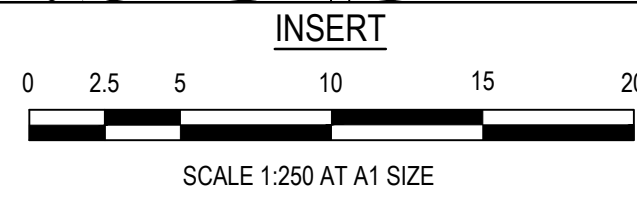
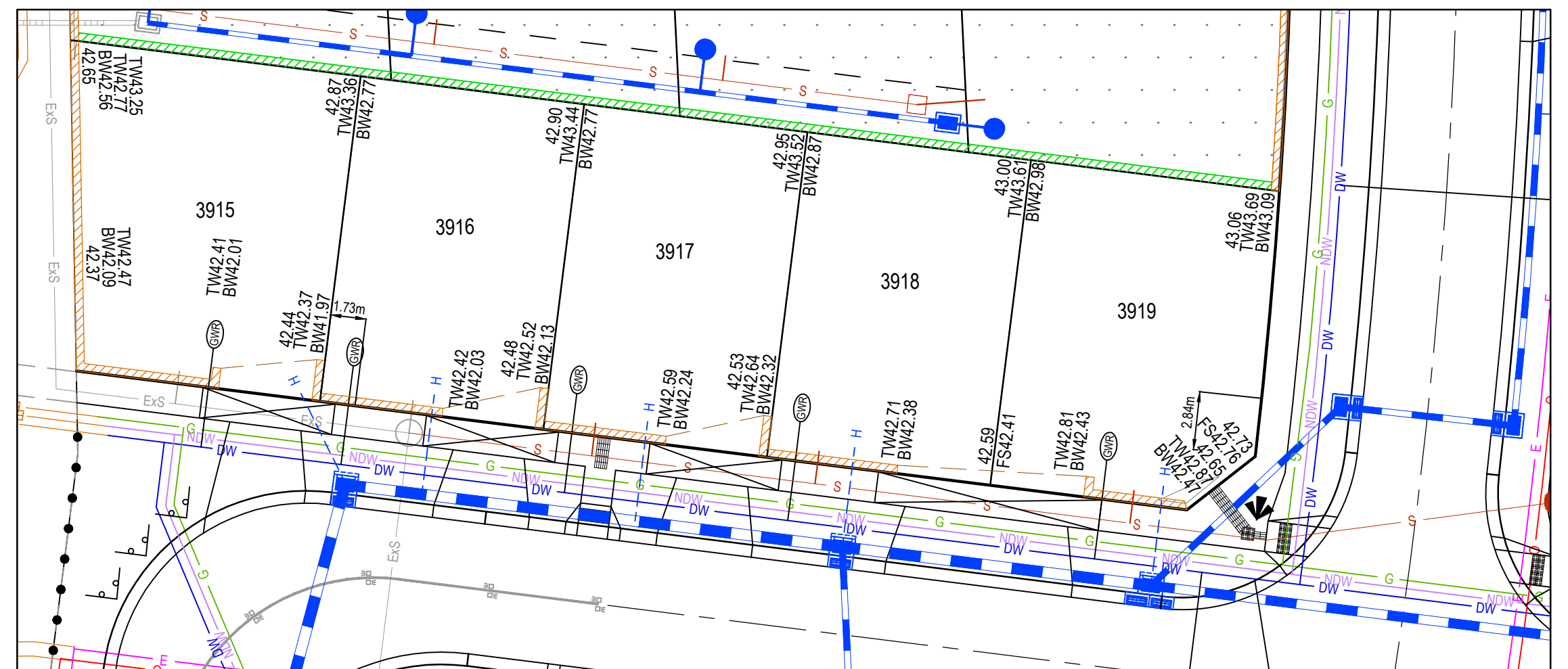
SERVICE OFFSET TABLE

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)
BURLINA BOULEVARD	E	2.10	E	2.55	E	3.05	W	2.80	W	1.90	E	1.0
DABLAM STREET (LOTS 3941-3943)	W	2.10	W	2.50	W	2.95	E	1.00	E	0.40	-	-
DABLAM STREET (LOTS 3901-3905)	W	2.10	W	2.50	W	2.95	E	2.40	E	1.90	-	-
MALVI ROAD	N	2.10	N	2.50	N	2.95	S	2.60	S	1.90	N	1.0
KHILARI CIRCUIT (LOT 3914)	N	2.10	N	2.50	S	2.95	S	1.15	S	0.45	N	1.0
KHILARI CIRCUIT (LOTS 3911-3914)	E	2.10	E	2.50	E	2.95	W	1.00	W	0.40	E	1.0
KHILARI CIRCUIT (LOTS 3907-3915)	N	2.10	N	2.50	N	2.95	S	2.50	S	1.95	N	1.0
BERRENDA STREET	S	2.10	S	2.50	S	2.95	N	1.00	N	0.40	-	-

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
BURLINA BOULEVARD	25.50	6.10/10.30	7.00/11.20	7.30/11.50	600 B2	600 B2	4.50/6.60	9.80/11.90
DABLAM STREET (LOTS 3941-3943)	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
DABLAM STREET (LOTS 3901-3905)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
MALVI ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
KHILARI CIRCUIT (LOT 3914)	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.50
KHILARI CIRCUIT (LOTS 3911-3914)	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.50
KHILARI CIRCUIT (LOTS 3907-3915)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
BERRENDA STREET	14.50	6.40	7.30	7.60	600 B2	600 B2	2.70	4.50



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
C	PROPOSED CUT HATCH ADDED	18.01.23	M.F.	M.F.					
B	LOT 3931 DRIVEWAY LOCATION UPDATED	16.01.23	M.F.J.	M.F.					
A	ISSUED FOR CONSTRUCTION	22.12.22	C.D.	M.F.					

BROWN PROPERTY GROUP  
MERIDIAN CENTRAL  
SCALE 1:500 AT A1 SIZE

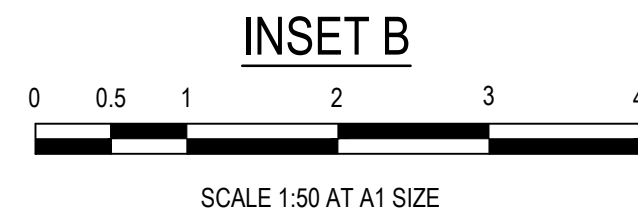
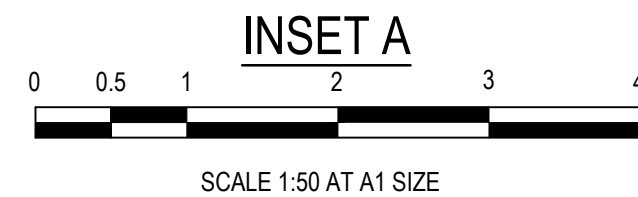
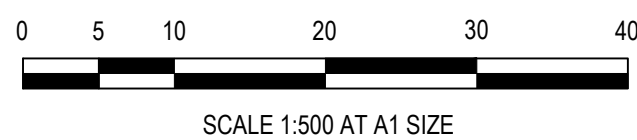
Designed: C.DAWSON  
Date: 20.09.2022  
Drawn: M.F. JAURIGUE  
Approved: M. FELICIANO  
Date: 20.09.2022  
PS Number: PS902140F

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Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing Title  
LAYOUT PLAN

Sheet 04 of 24  
Scale  
1:500 @ A1  
Project Ref  
1801767  
Stage No  
39  
Drawing No  
010  
Rev  
C





- Signed:** 

AS SHOWN			
Project Ref	Stage No	Drawing No	R
1801767	39	015	

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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D	M.F.						
REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.	



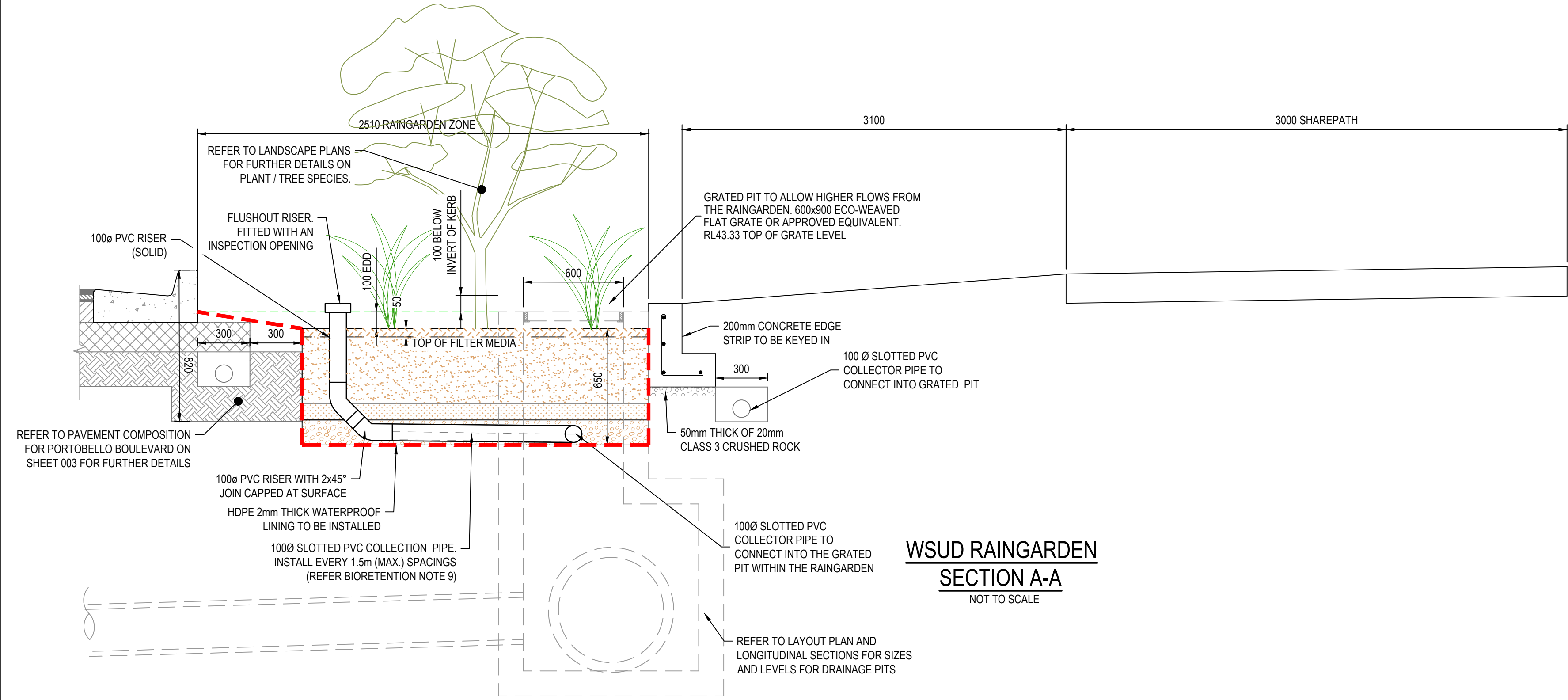
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Approved Date	M. FELICIANO 20.09.2022
PS Number	PS902140F



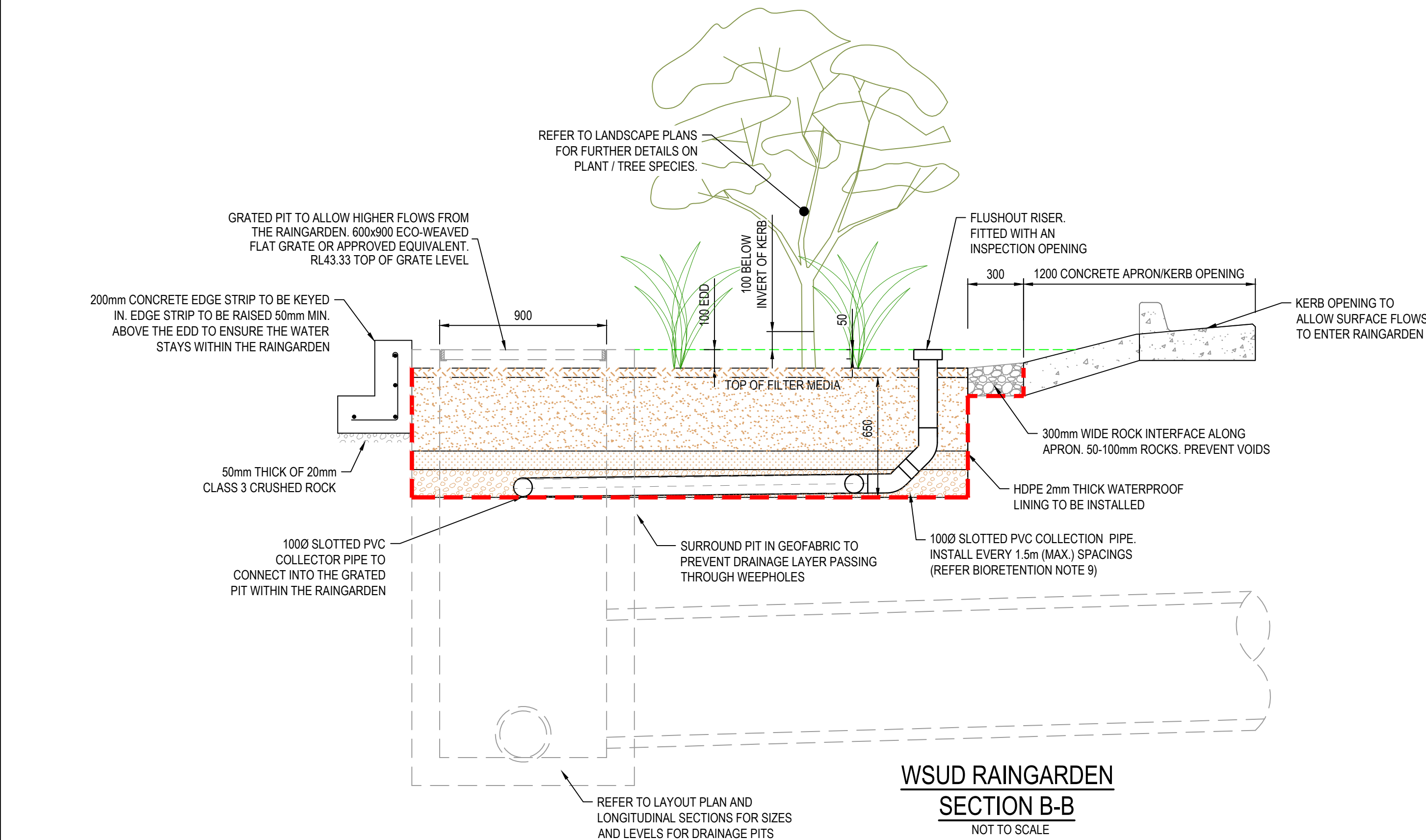
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Project Details	<p>MERIDIAN CENTRAL ESTATE</p> <p>STAGE 39</p> <p>CITY OF CASEY</p>
Drawing Title	<p>INTEGRATED WATER MANAGEMENT</p> <p>LAYOUT PLAN</p>





WSUD RAINGARDEN  
SECTION A-A  
NOT TO SCALE



WSUD RAINGARDEN  
SECTION B-B  
NOT TO SCALE

## BIORETENTION NOTES

The Bioretention system will operate so that water will infiltrate into the filter media and move vertically through the profile. The Bioretention system requires three layers of media:

1. Filter
2. Transition
3. Drainage

### 1. FILTER LAYER

600mm depth of material meeting the specifications outlined in CRC for Water Sensitive Cities 'Adoption Guidelines for Stormwater Biofiltration Systems' (July 2015), Appendix C, Table 1.

Filter media must meet the following specifications:

- a. Material - to be either a washed, well-graded sand, or naturally occurring sand meeting the required specifications.
- b. Hydraulic Conductivity - 100-300mm/hr
- c. Clay & Silt Content - < 3% (w/w)
- d. Smooth Grading - all particle sizes represented across sieve sizes; see also particle size distribution below.
- e. Nutrient Content - low nutrient content with Total Nitrogen (TN) < 1000 mg/kg, and available phosphate (Colwell) < 80 mg/kg
- f. Organic Matter Content - minimum content  $\leq 5\%$  to support vegetation
- g. pH - 5.5-7.5, as specified for 'natural soils and soil blends' in AS4419 - 2003 (pH 1.5 in water)
- h. Electrical conductivity < 1.2 dS/m, as specified for 'natural soils and soil blends' in AS4419 - 2003
- i. Horticultural suitability - media must be capable of supporting healthy vegetation

Particle Size Distribution of selected filter media to be as follows:

	(% w/w)	Retained (mm)
Clay & Silt	<3%	<0.075
Very Fine Sand	5-30%	0.075-0.15
Fine Sand	10-30%	0.15-0.25
Medium Sand	40-60%	0.25-0.5
Coarse Sand	7-10%	0.5-1.0
Very Coarse Sand	0-10%	1.0-2.0
Fine Gravel	<3%	2.0-3.4

The Filter media should contain some organic matter for increased water holding capacity but be low in nutrient content. Also the media should be free of rubbish, deleterious material, toxicants and local weeds (as listed in local guidelines/acts) and should not be hydrophobic.

### 2. TRANSITION LAYER

100mm depth of material meeting the specifications outlined in CRC for Water Sensitive Cities 'Adoption Guidelines for Stormwater Biofiltration Systems' (July 2015), Appendix C, Table 1.

Transition layer material must meet the following specifications:

- a. Material - to be a clean, well-graded sand
- b. Hydraulic Conductivity - must be higher than the hydraulic conductivity of the overlying filter media
- c. Fine Particle Content - < 2%

Particle Size Distribution of the selected transition layer material must meet bridging criteria; the smallest 15% of sand particles must bridge with the largest 15% of filter media particles:

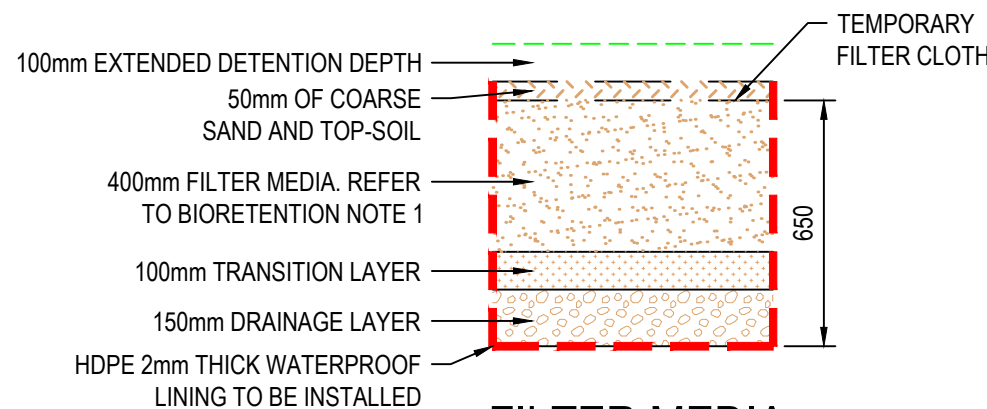
$$D_{15} \text{ (transition layer)} \leq 5 \times D_{85} \text{ (filter media)}$$

### 3. DRAINAGE LAYER

150mm depth of material meeting the specifications outlined in CRC for Water Sensitive Cities 'Adoption Guidelines for Stormwater Biofiltration Systems' (July 2015), Appendix C, Table 1.

Transition layer material must meet the following specifications:

- a. Material - to be clean, fine aggregate; 2-7mm washed screenings (not scoria or quartz)
- b. Hydraulic Conductivity - must be higher than the hydraulic conductivity of the overlying transition layer



FILTER MEDIA  
DETAIL  
NOT TO SCALE

Particle Size Distribution of the selected drainage layer material must meet bridging criteria; the smallest 15% of drainage layer particles must bridge with the largest 15% of transition layer particles:

$$D_{15} \text{ (drainage layer)} \leq 5 \times D_{85} \text{ (transition layer)}$$

Perforations in subsoil drainage must be small enough relative to the drainage layer material.

$$D_{85} \text{ (drainage layer)} > \text{diameter subsoil drain pipe perforation}$$

### 4. TEMPORARY FILTER LAYER

A layer of 75mm topsoil preferred / 50mm stone aggregate of 5-13mm, no fines

### 5. TESTING REQUIREMENTS

Testing to confirm Hydraulic Conductivity of the media under various levels of compaction shall be conducted using the ASTM F1815-06 Method.

Test imported topsoils and submit test results for approval at least 5 working days in advance of carting. In addition, the contractor is to supply a 500 gram sample of the filter medium to the superintendent for approval prior to purchasing bulk material.

The following tests are to be conducted to determine the suitability of selected media. The test results are to be submitted to the superintendent with Hydraulic Conductivity results for approval before placing bulk orders:

- Particle Size Distribution (PSD)
- AS4419-2003 - Soil properties for landscaping and garden use - Sandy Loam
- Saturated Hydraulic Conductivity
- Water holding capacity, where PSD does not meet specifications but silt and clay is <12%
- PH

Where a supplier can provide PSD and/or AS4419-2003 test results for the specific batch of media being purchased these will be accepted at the superintendents discretion.

### 6. INSTALLATION

Filter media shall be lightly compacted during installation to prevent migration of fine particles.

A single pass with a vibrating plate or roller machinery (e.g. a drum lawn roller) should be used to compact the filter media.

Under no circumstances should heavy compaction or multiple passes be made.

Filter media is to be installed near the completion of works to ensure the media quality is not affected due to ongoing construction works.

### 7. MAINTENANCE

Field testing of hydraulic Conductivity shall be carried out at three points within the system at one month following commencement of operation and in the second year of operation to assess the impact of vegetation on Hydraulic Conductivity.

Weed management will need to be done manually until such time that the design vegetation is established with sufficient density to effectively prevent weed propagation.

### 8. TEMPORARY FILTER CLOTH

Surface of Filtration media to be covered with a temporary filter cloth (Bidim or Similar).

Temporary Filter cloth to be removed and planting of the Bioretention Basin undertaken in accordance with the landscape plans once the building phase within the catchment is 80 - 90% complete.

### 9. COLLECTION (AG) PIPES

Collection pipes to be 100 dia. PVC SN6 (i.e. Sewer Grade), slotted with 2mm width slots. Minimum slot length = 1.2m of slot per lineal metre of pipe.

Slotting can be undertaken by Central Pipe Fabrication or similar companies.

## City of Casey

Approved By: Ange Dean

Planning Ref: PA21-0174

File No: SEng00280/22

Date: 23/01/2023

Council Drawing No.: R5924

Approval subject to:

- A free draining outfall being available prior to Statement of Compliance.
- A TMP approved prior to commencement of works.
- An EMP approved prior to commencement of works.
- Relevant service authorities notification and approval.

Signed: [Signature]

## 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

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Designed  
Date  
C.DAWSON  
20.09.2022

Drawn  
M.F. JAURIGUE

Approved  
Date  
M. FELICIANO  
20.09.2022

PS Number  
PS902140F



Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY

Drawing  
Title  
INTEGRATED WATER MANAGEMENT  
DETAILS (SHEET 1 OF 2)

Sheet 06 of 24

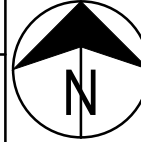
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Project Ref  
1801767

Stage No  
39

Drawing No  
016

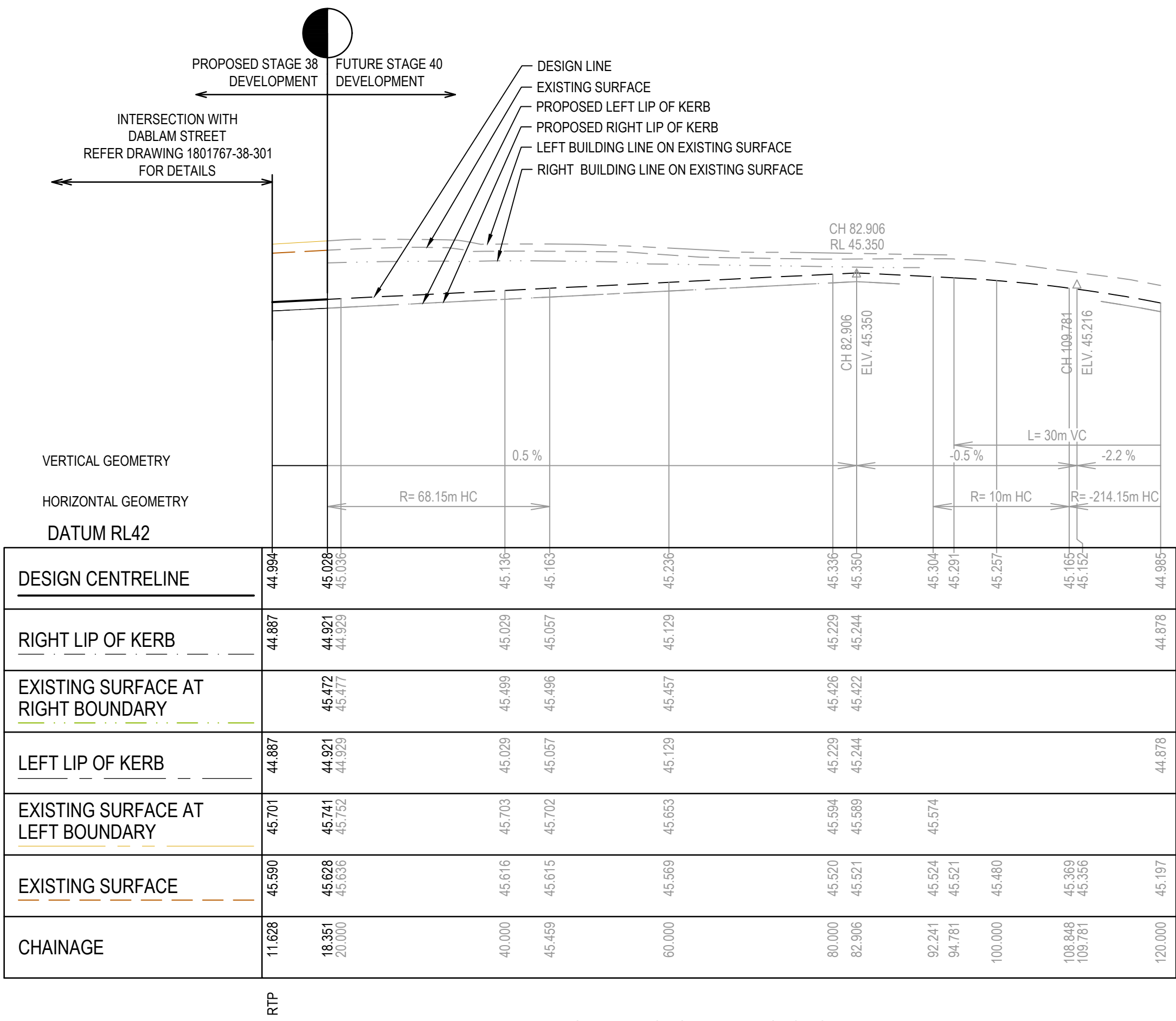
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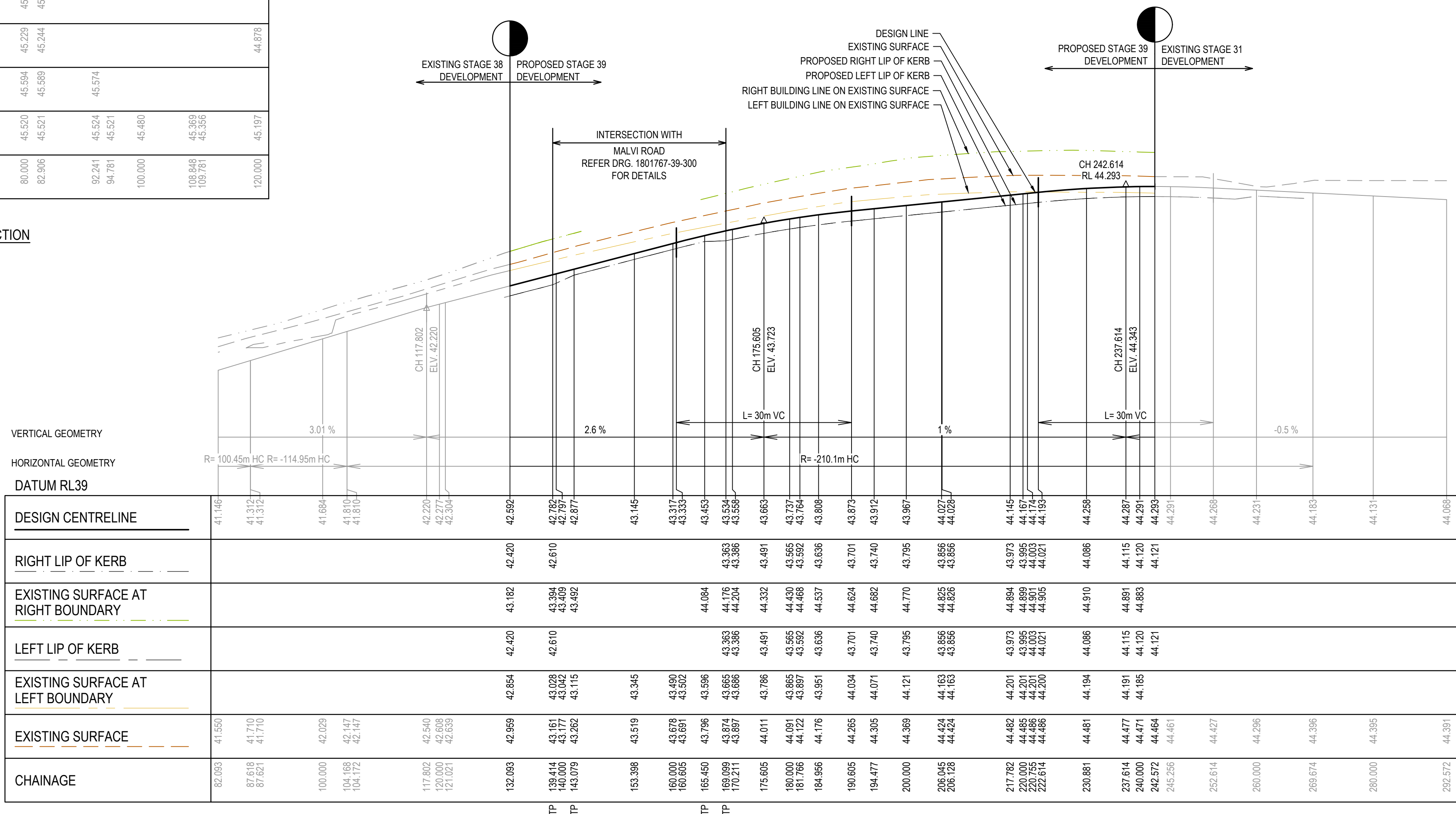








BERRENDA STREET LONGITUDINAL SECTION



BURLINA BOULEVARD - LONGITUDINAL SECTION

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

## City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval Subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
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HORIZ 1:500  
VERT 1:50  
SCALE AT A1 SIZE

Designed  
Date  
C.DAWSON  
20.09.2022  
Drawn  
M.F. JAURIGUE  
Approved  
Date  
M. FELICIANO  
20.09.2022  
PS Number  
PS902140F



Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing  
Title  
ROAD LONGITUDINAL SECTIONS  
BURLINA BOULEVARD  
& BERREDNA STREET

Sheet 08 of 24

Scale  
1:500 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
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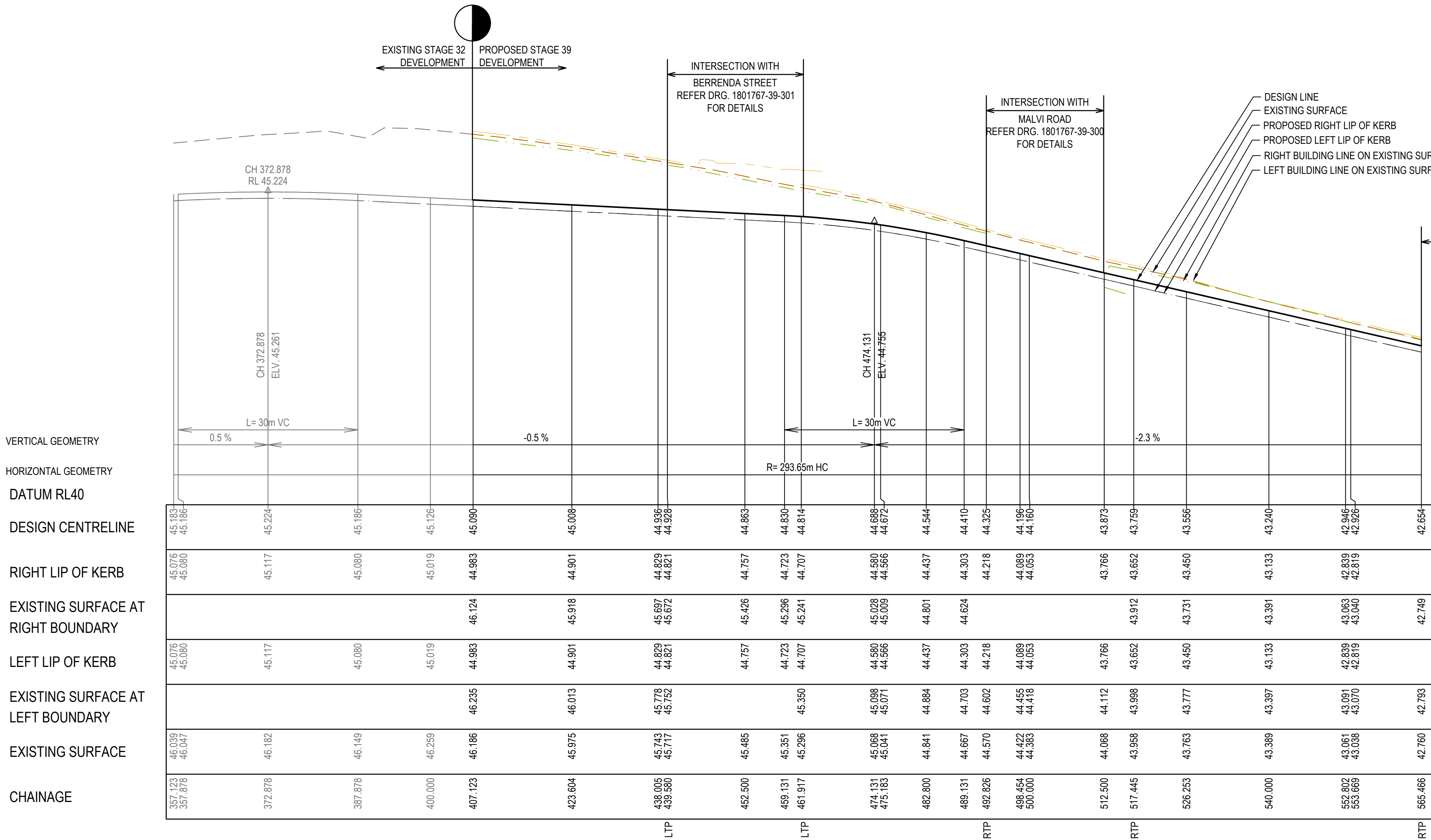


LEGEND	
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	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
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	LEFT LIP OF KERB

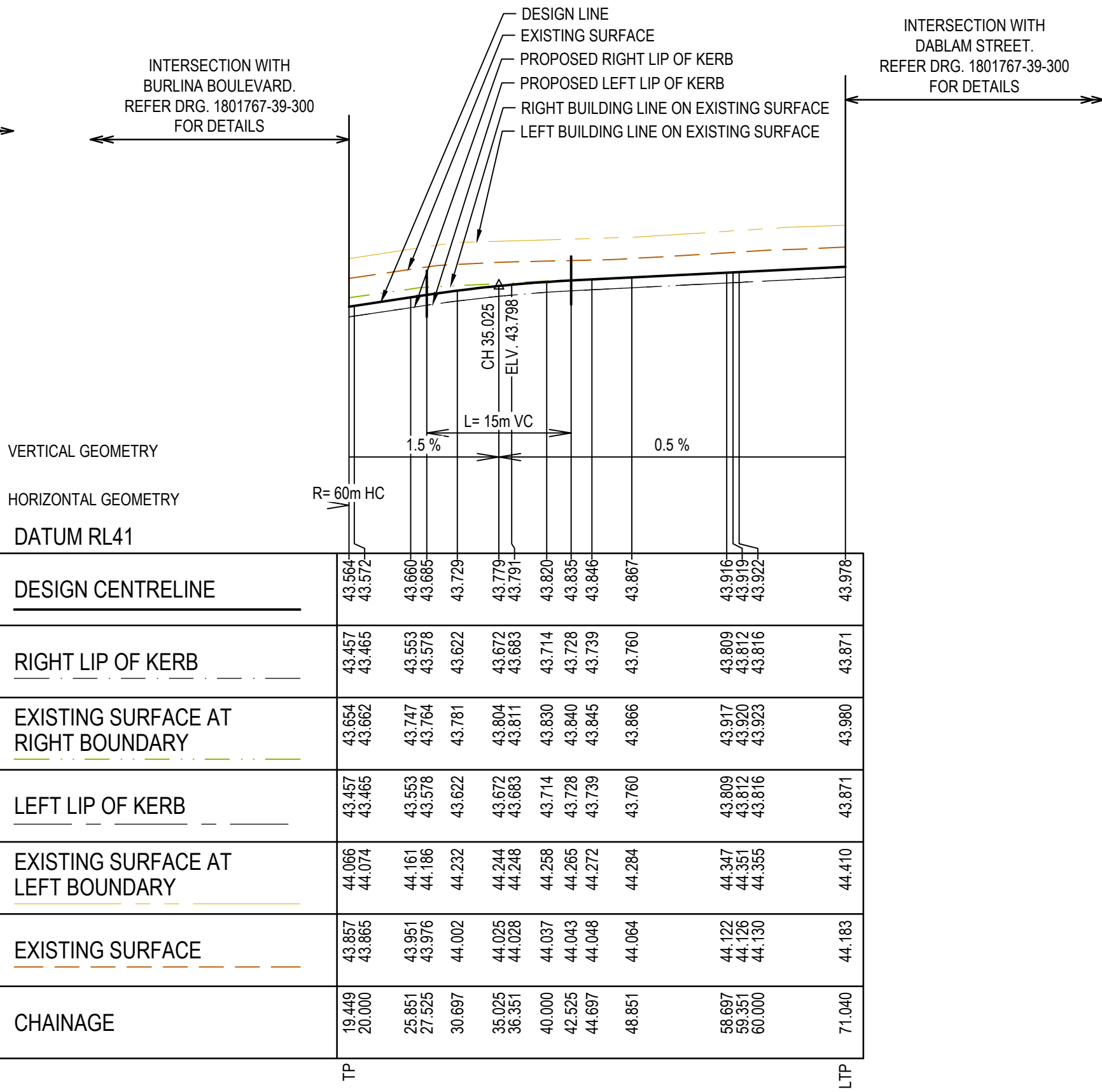
City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
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- An EMP approved prior to commencement of works.  
- Relevant service authorities notification and approval.

Signed:



DABLAM STREET - LONGITUDINAL SECTION

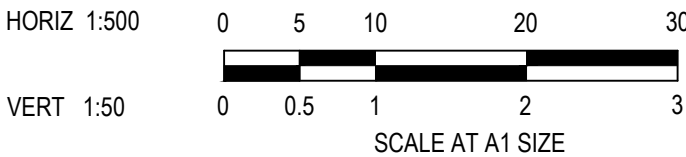


MALVI ROAD - LONGITUDINAL SECTION

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Designed  
Date C.DAWSON  
20.09.2022

Drawn  
M.F. JAURIGUE

Approved  
Date M. FELICIANO  
20.09.2022

PS Number  
PS902140F



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Project  
Details MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY

Drawing  
Title ROAD LONGITUDINAL SECTIONS  
DABLAM STREET & MALVI ROAD

Sheet 09 of 24

Scale  
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Project Ref	Stage No	Drawing No	Rev
1801767	39	101	A



**LEGEND**

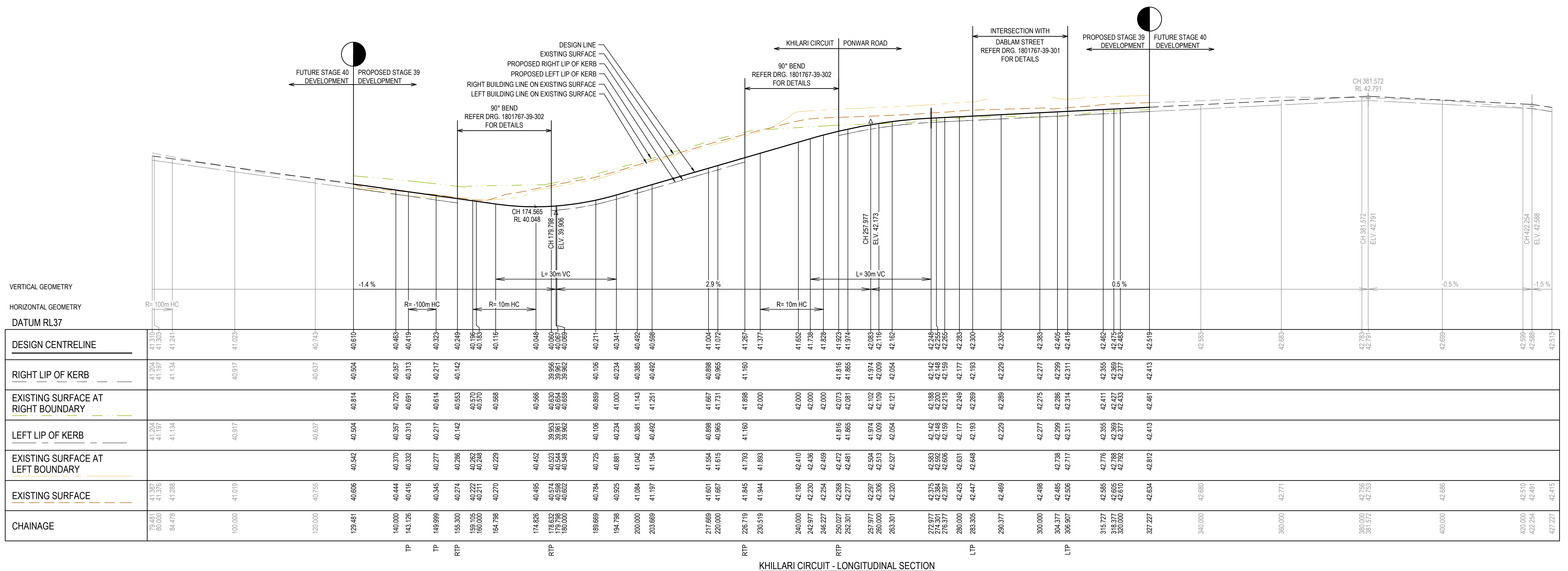
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- DESIGN LINE
- FUTURE DESIGN LINE
- EXISTING SURFACE AT RIGHT BOUNDARY
- RIGHT LIP OF KERB
- EXISTING SURFACE AT LEFT BOUNDARY
- LEFT LIP OF KERB

# City of Casey

**Approved By:** Ange Dean  
**Planning Ref:** PA21-0174  
**File No:** SEng00280/22  
**Date :** 23/01/2023  
**Council Drawing No.:** R5924  
**Approval subject to:**

- A free draining outlet being available prior to Statement of Compliance.
- A TMP approved prior to commencement of works.
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- Relevant service authorities notification and approval.

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



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VERT 1:50 0 0.5 1 2 3

SCALE AT A1 SIZE

Designed Date	C.DAWSON 20.09.2022
Drawn	M.F. JAURIGUE
Approved Date	M. FELICIANO 20.09.2022
PS Number	PS902140F

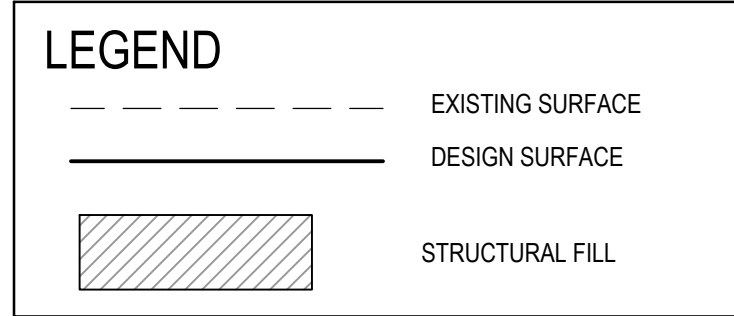


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Project Details	MERIDIAN CENTRAL ESTATE STAGE 39 CITY OF CASEY	Sheet 10 of 24			
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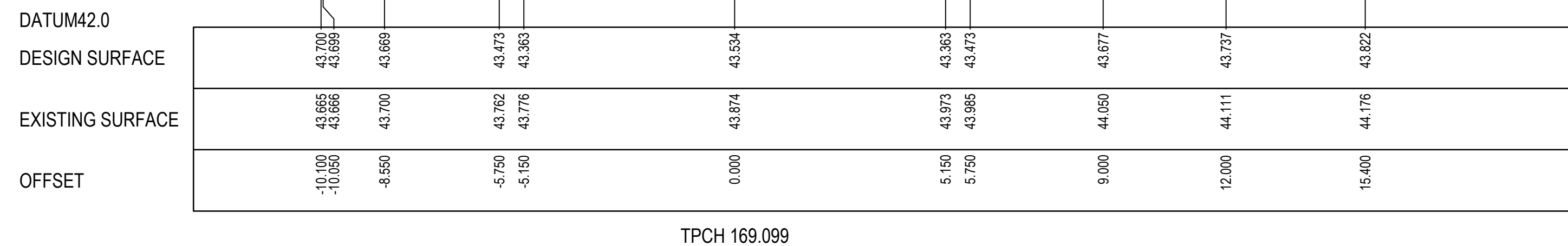
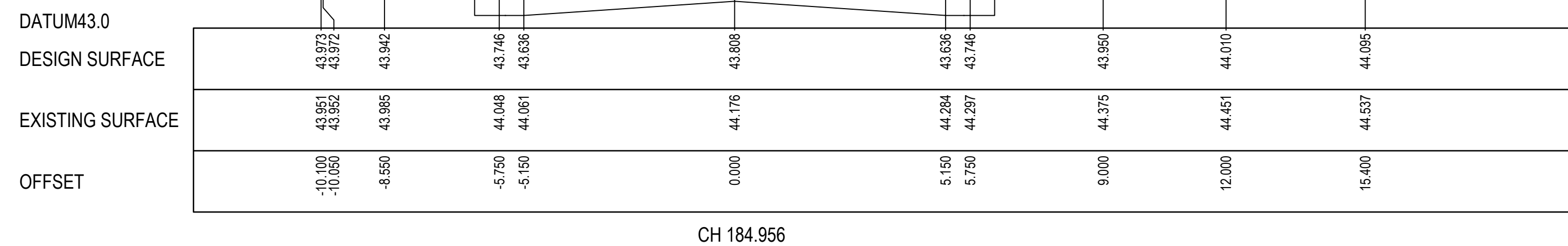
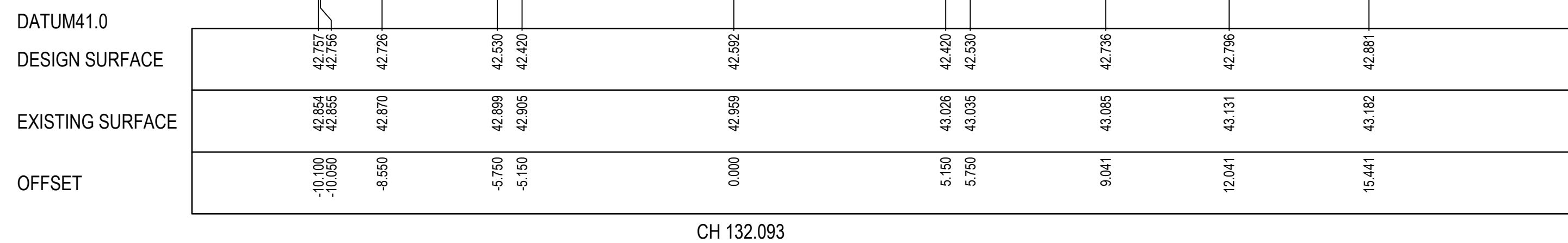
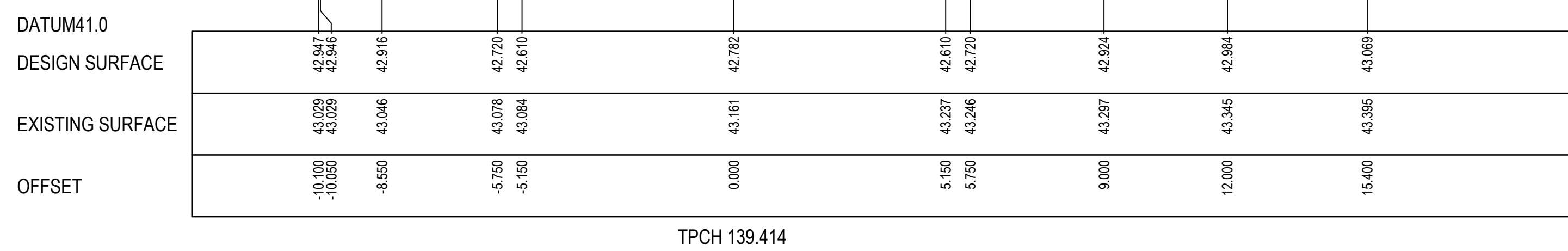
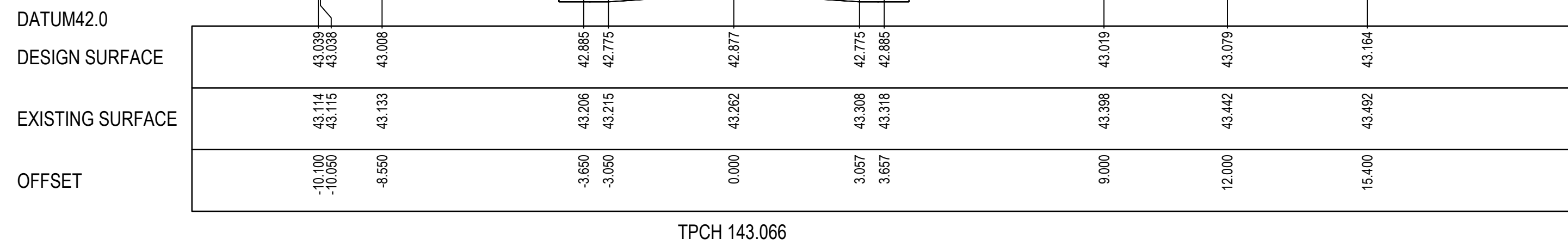
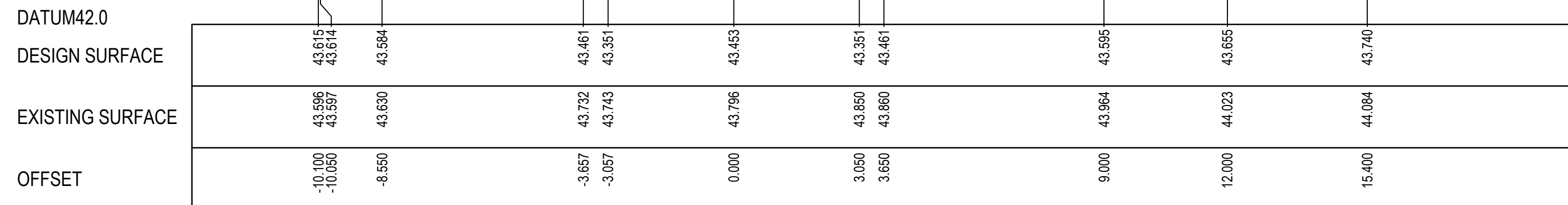




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**Planning Ref:** PA21-0174  
**File No:** SEng00280/22  
**Date :** 23/01/2023  
**Council Drawing No.:** R5924  
**Approval subject to:**

- A free draining outlet being available prior to Statement of Compliance.
- A TMP approved prior to commencement of works.
- An EMP approved prior to commencement of works.
- Relevant service authorities notification and approval.

Signed: 



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HORIZ. 1:100      0    1    2                  4                  6

VERT. 1:50         0    0.5    1                  2                  3

SCALE AT A1 SIZE

Designed Date	C.DAWSON 20.09.2022
Drawn	M.F. JAURIGUE
Approved Date	M. FELICIANO 20.09.2022
PS Number	PS902140F



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Project Details	MERIDIAN CENTRAL ESTATE STAGE 39 CITY OF CASEY
--------------------	--

Drawing Title	ROAD CROSS SECTIONS BURLINA BOULEVARD (SHEET 1 OF 2)
------------------	--

Sheet 11 of 24

Scale  
1:100 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
1801767	39	200	A



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

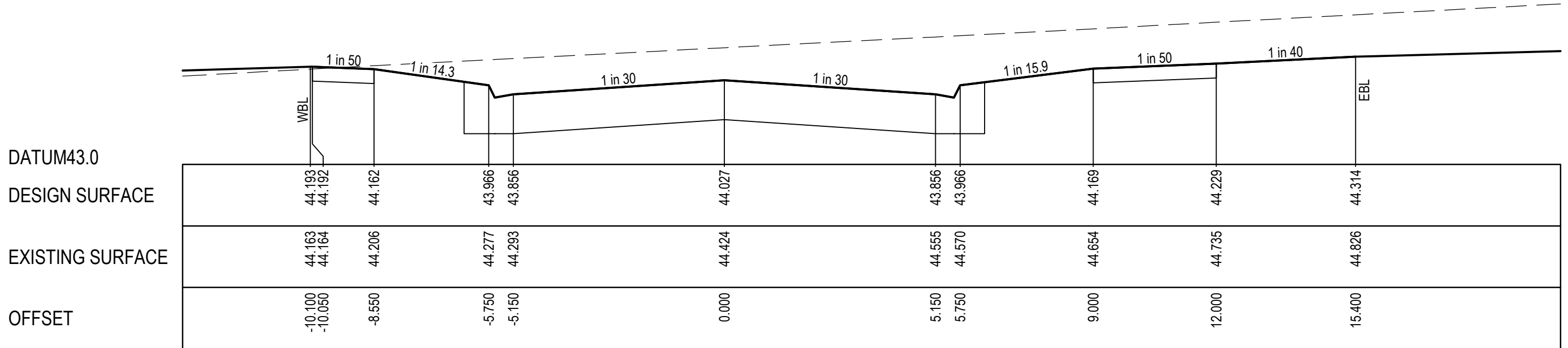
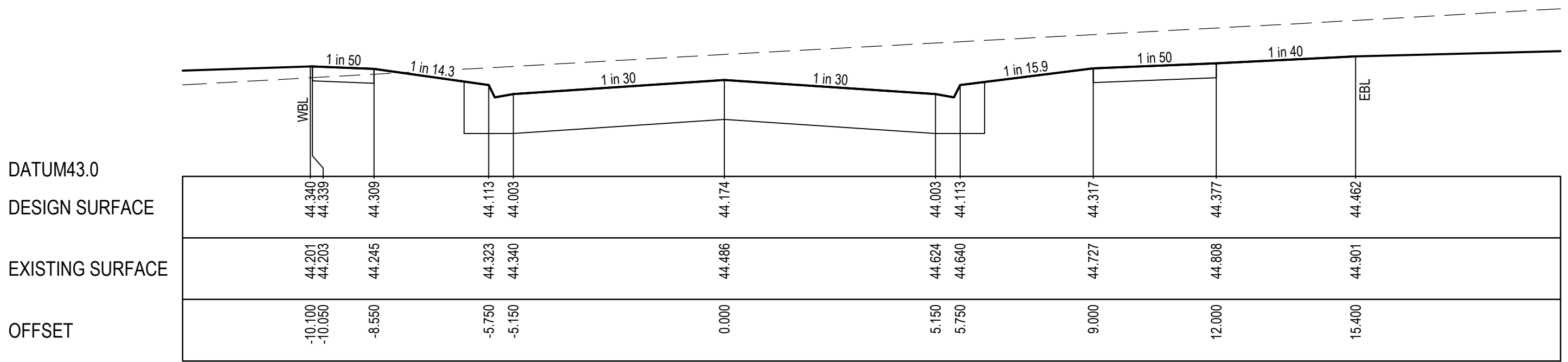
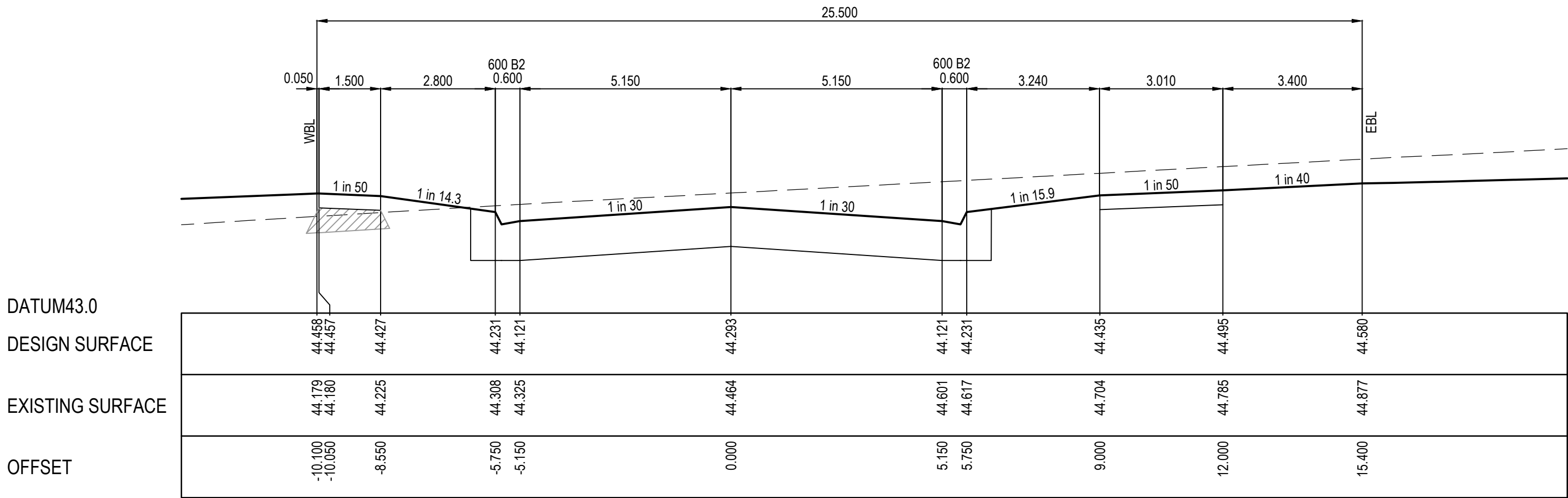
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- EXISTING SURFACE  
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STRUCTURAL FILL

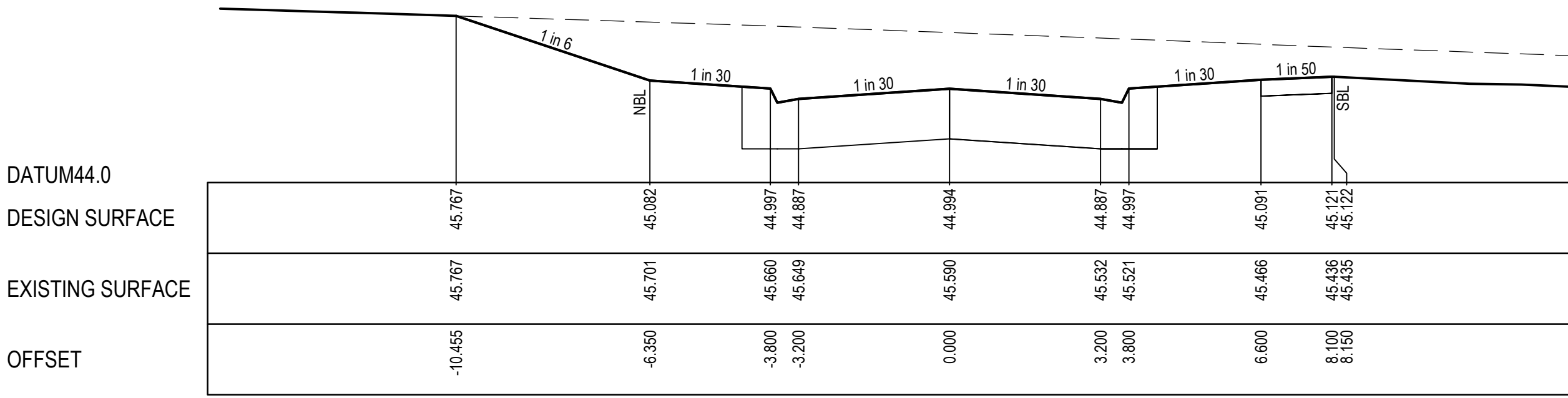
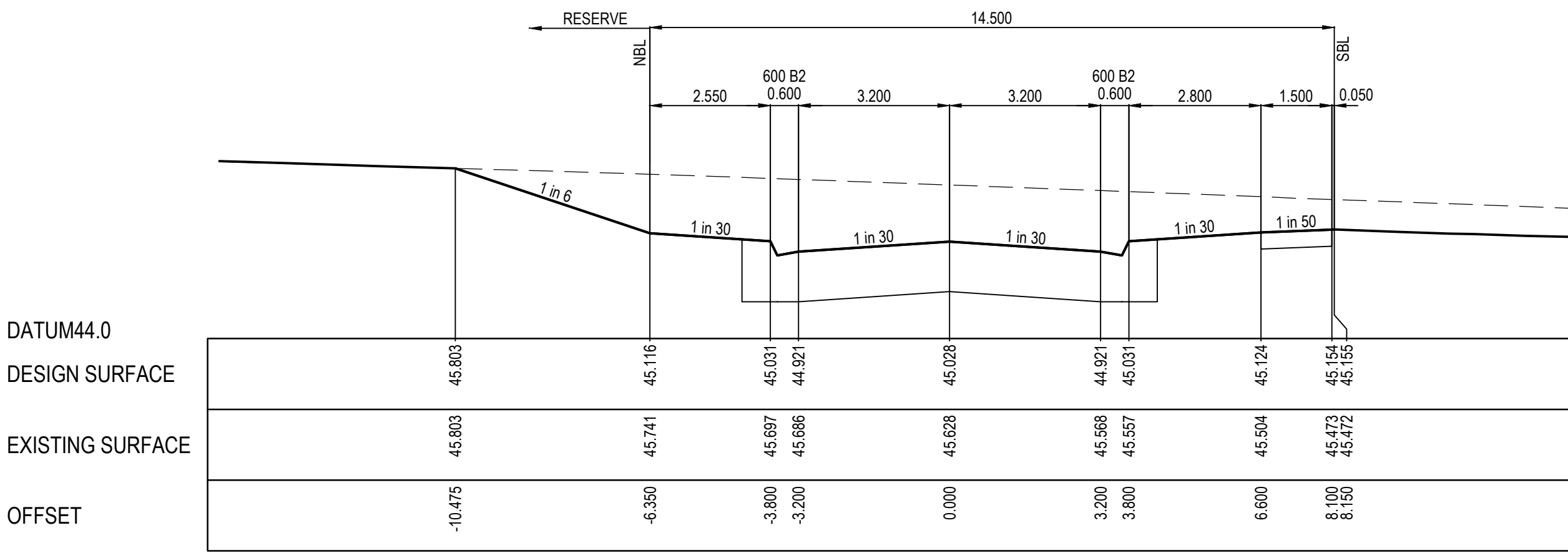
City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
- A TMP approved prior to commencement of works.  
- An EMP approved prior to commencement of works.  
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BURLINA BOULEVARD - ROAD CROSS SECTIONS



BERRENDA ROAD - ROAD CROSS SECTIONS

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

Designed  
Date  
C.DAWSON  
20.09.2022  
Drawn  
M.F. JAURIGUE  
Approved  
Date  
M. FELICIANO  
20.09.2022  
PS Number  
PS902140F



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Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing  
Title  
ROAD CROSS SECTIONS  
BURLINA BOULEVARD  
(SHEET 2 OF 2) & BERRENDA ROAD

Sheet 12 of 24

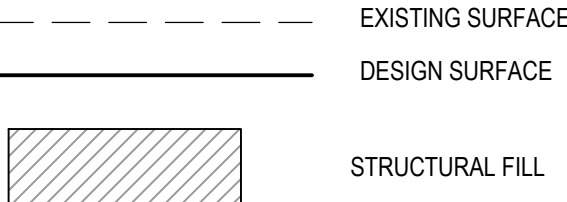
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Project Ref  
1801767  
Stage No  
39  
Drawing No  
201  
Rev  
A



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

LEGEND



City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
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- A free draining outfall being available prior to Statement of Compliance.  
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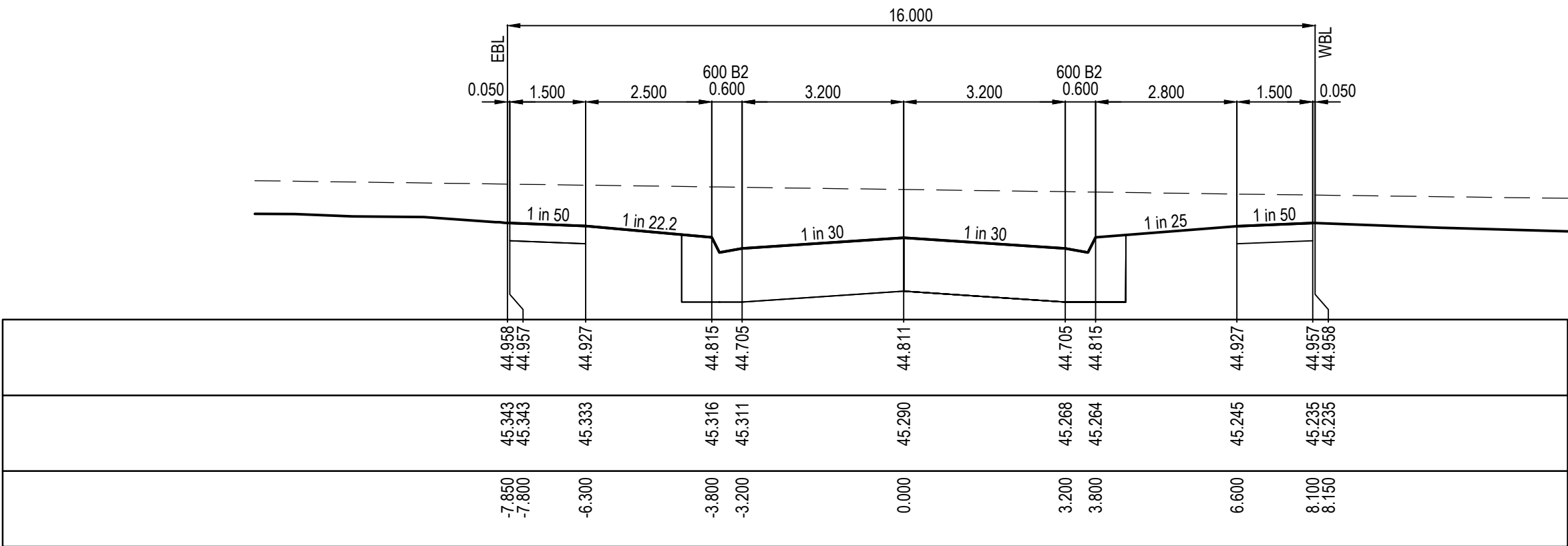
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DATUM44.0

DESIGN SURFACE

EXISTING SURFACE

OFFSET



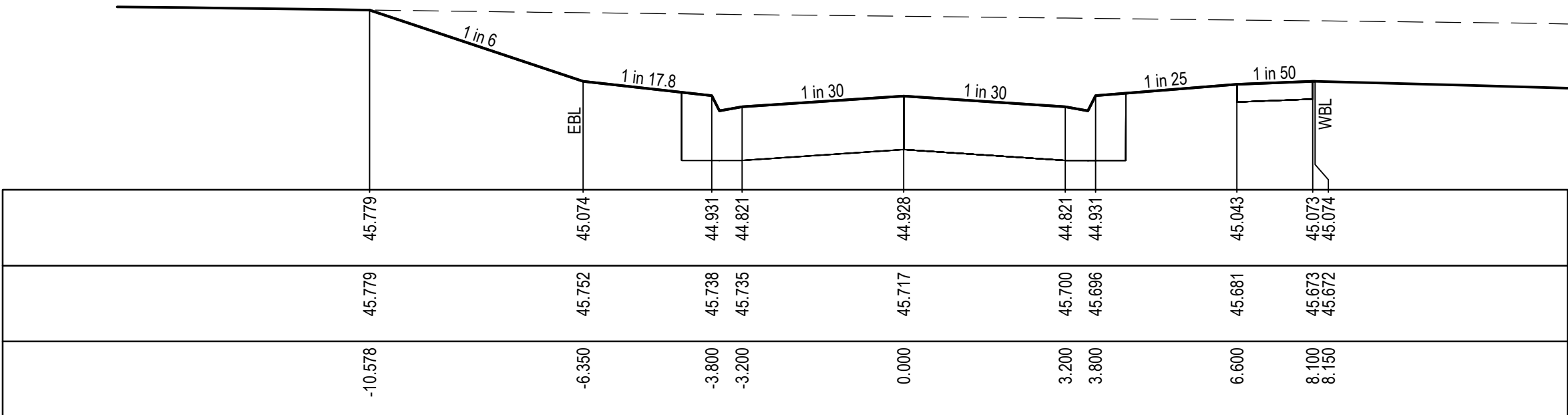
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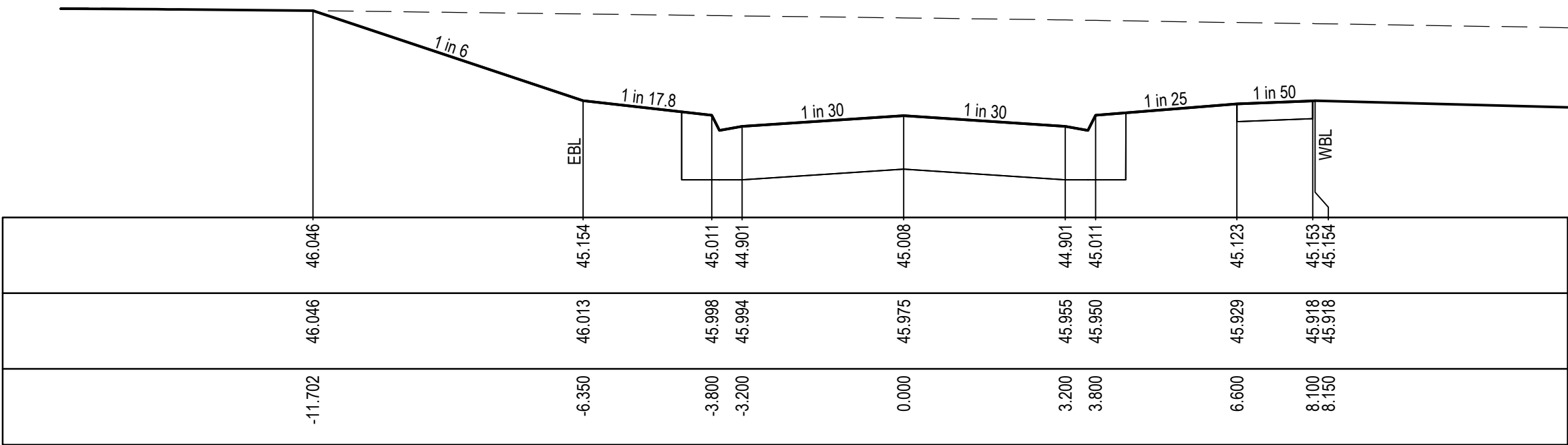
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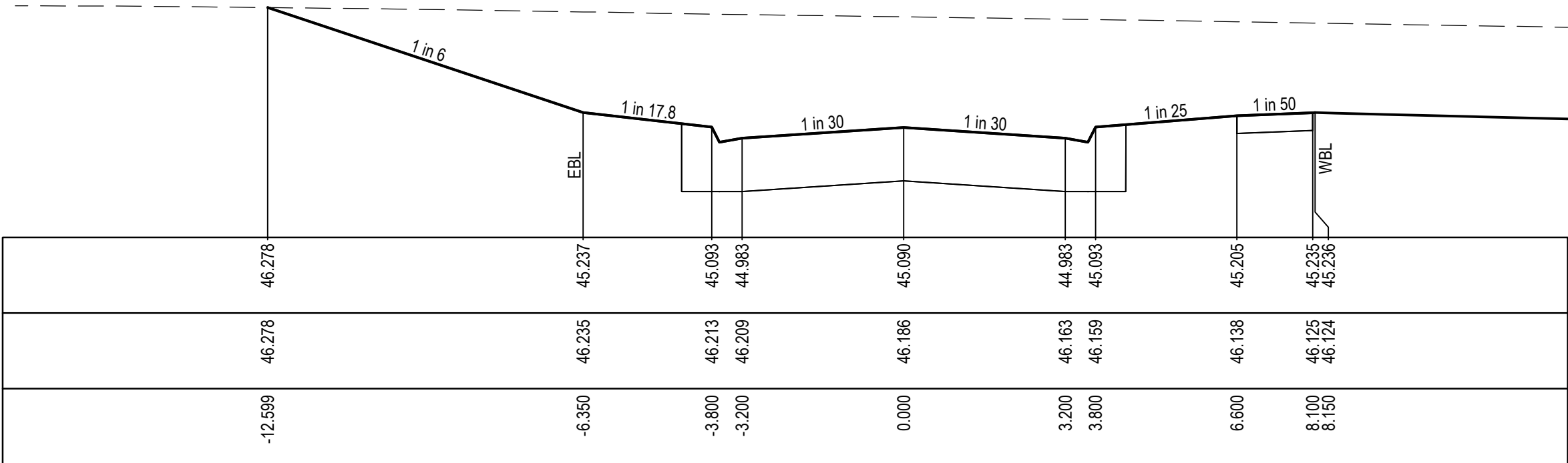
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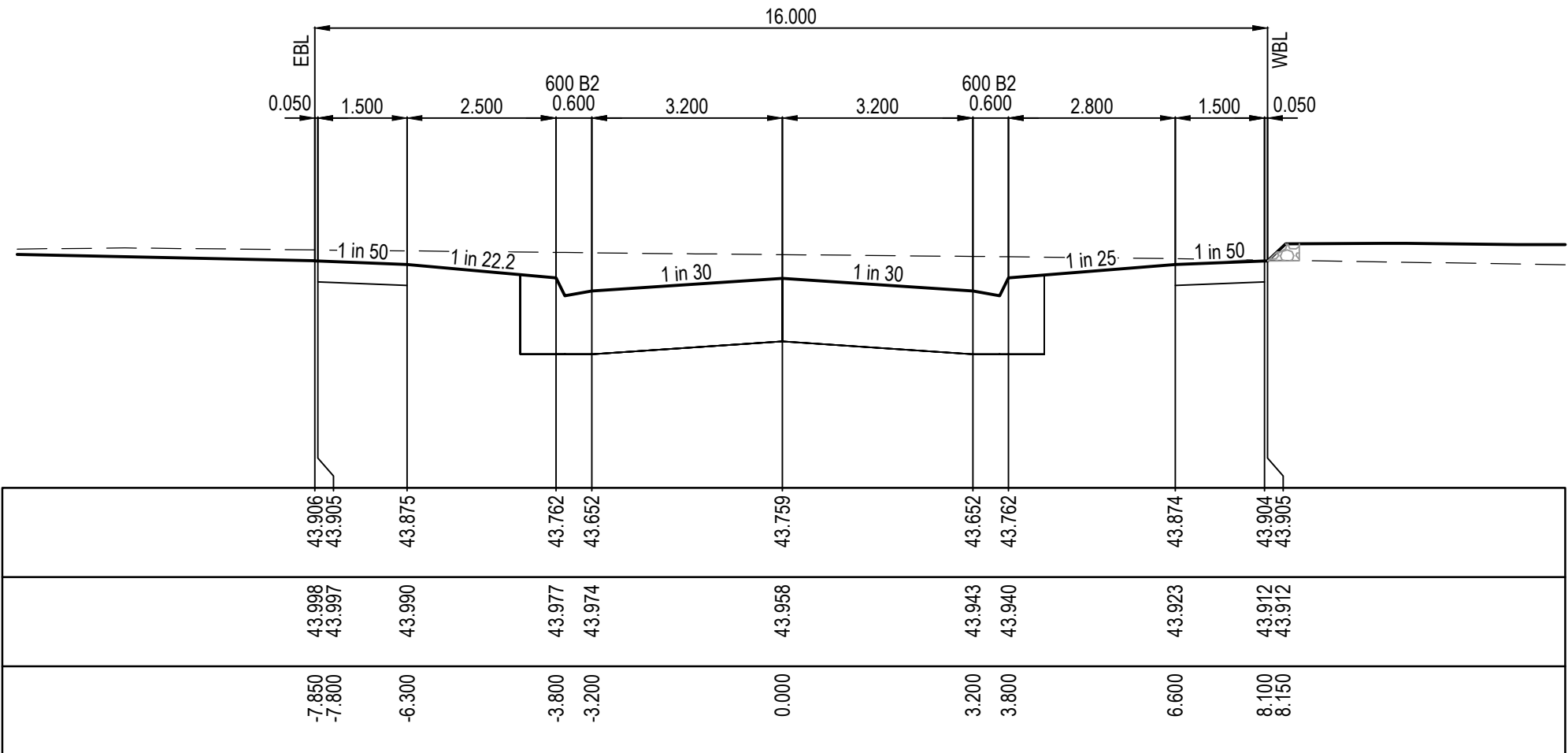
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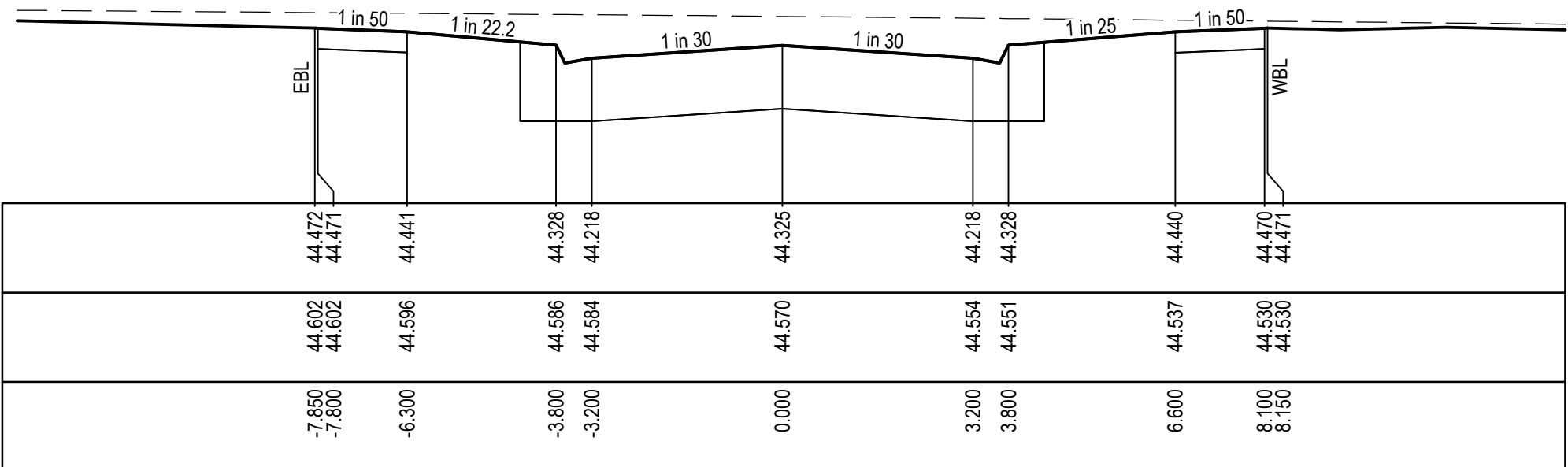
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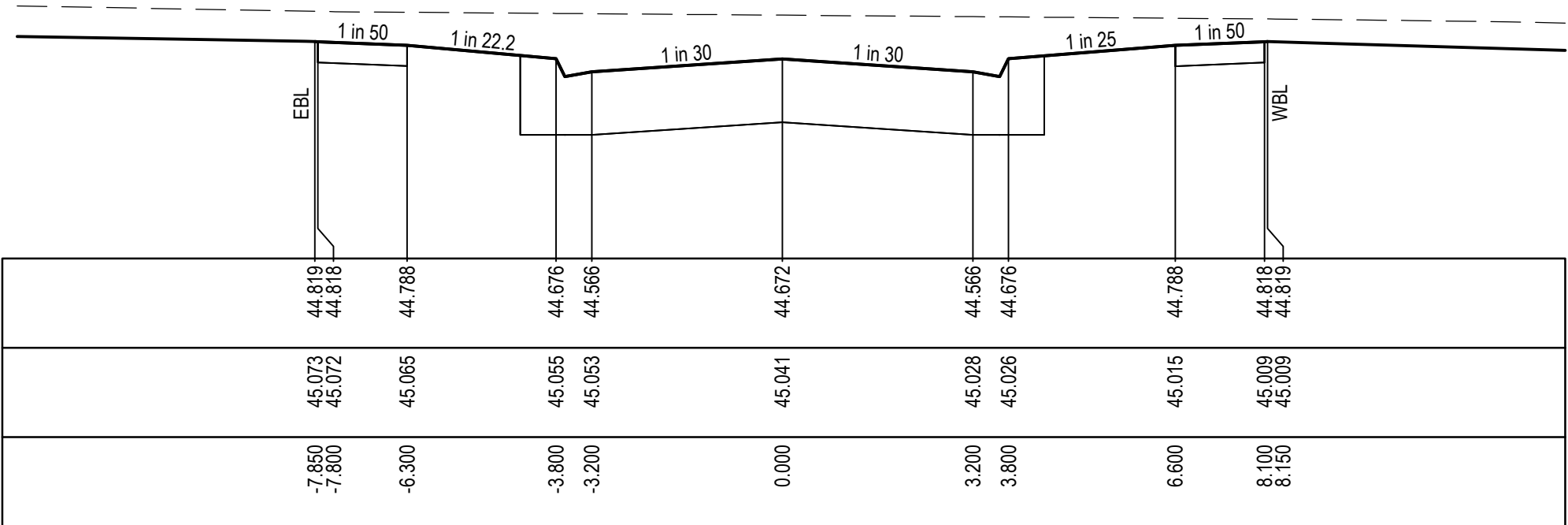
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DESIGN SURFACE

EXISTING SURFACE

OFFSET



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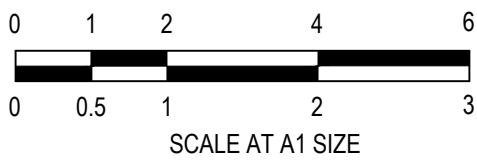
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HORIZ. 1:100

VERT. 1:50



Designed Date: C.DAWSON 20.09.2022  
Drawn: M.F. JAURIGUE  
Approved Date: M. FELICIANO 20.09.2022  
PS Number: PS902140F



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Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing Title: ROAD CROSS SECTIONS  
DABLAM STREET

Sheet 13 of 24

Scale: 1:100 H 1:50 V @ A1

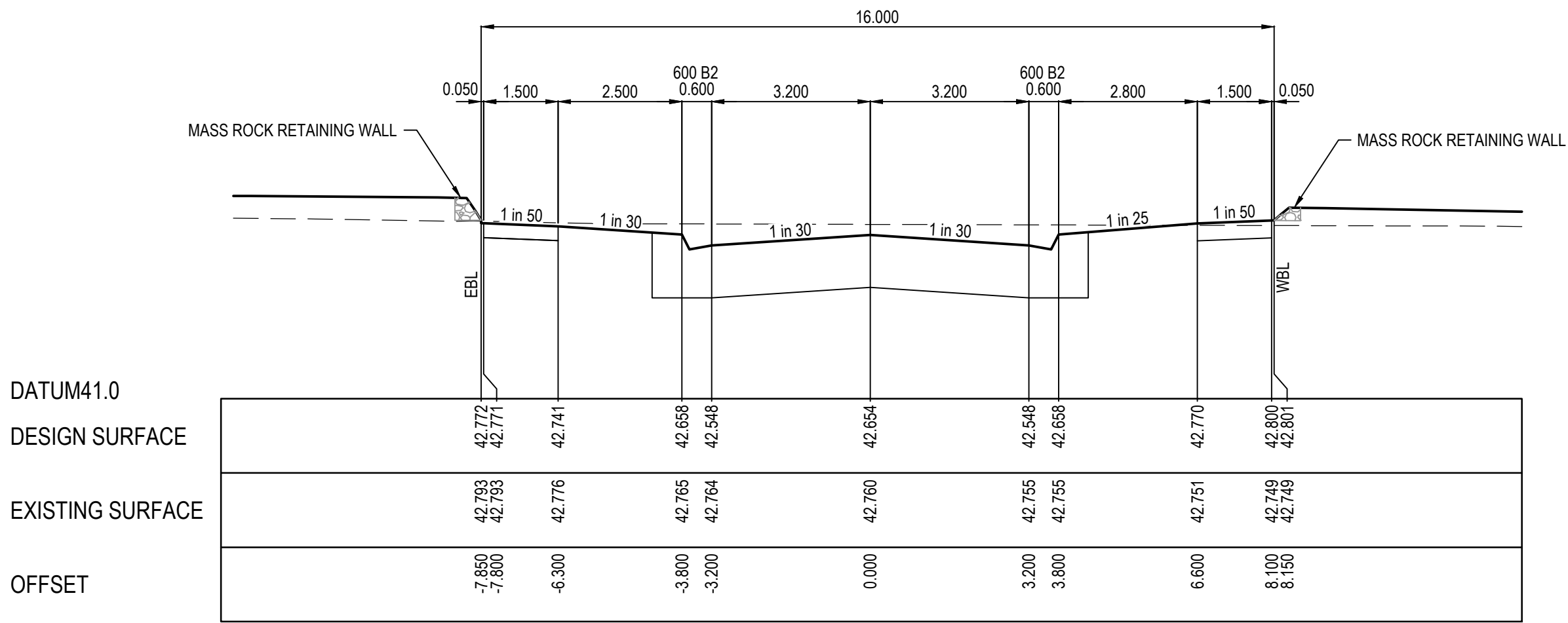
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Stage No: 39  
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Rev: A



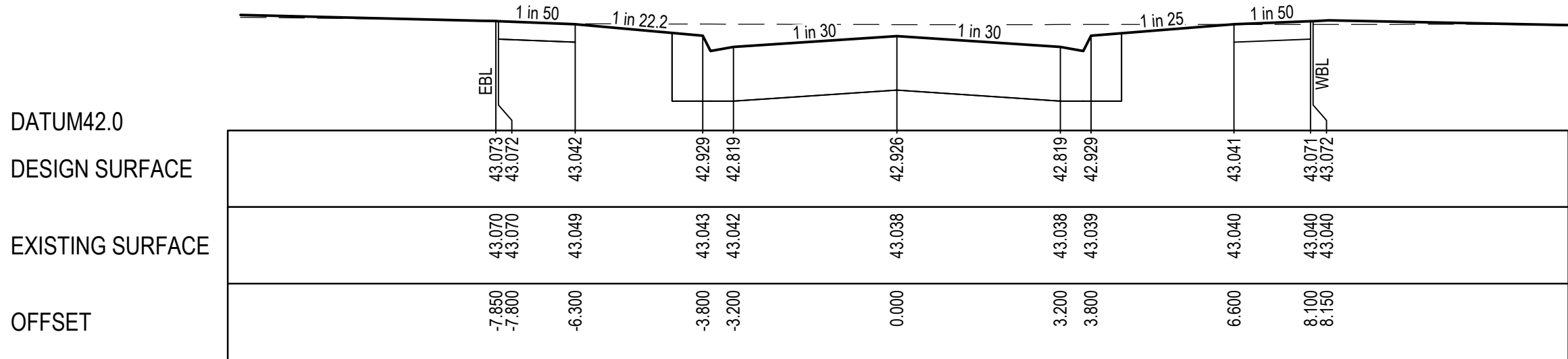
City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
- A TMP approved prior to commencement of works.  
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- Relevant service authorities notification and approval.

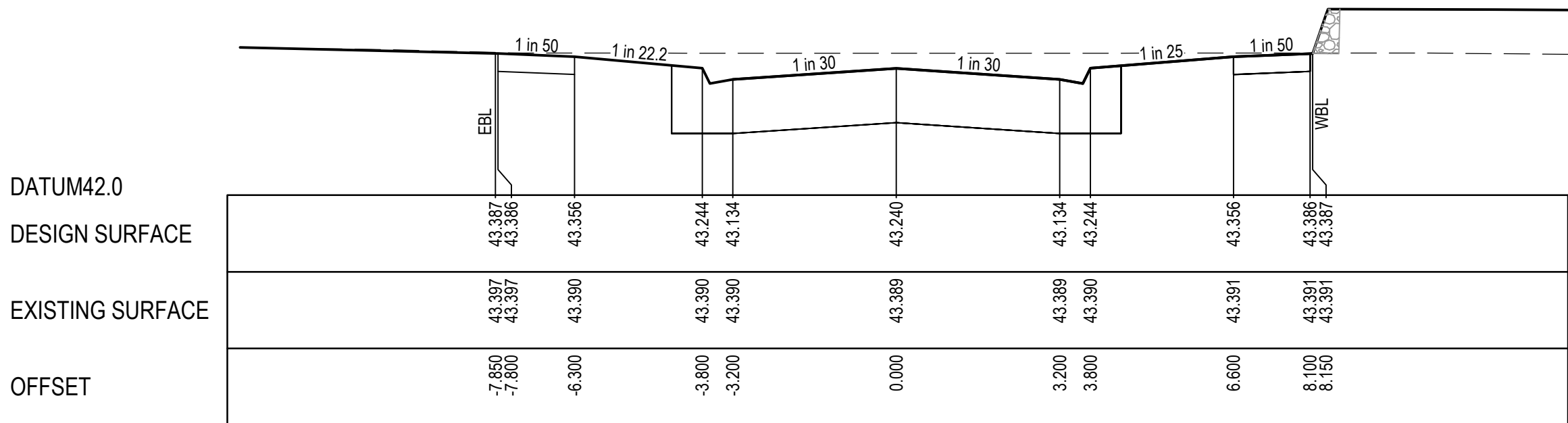
Signed: [Signature]



RTPCH 565.466



CH 553.669



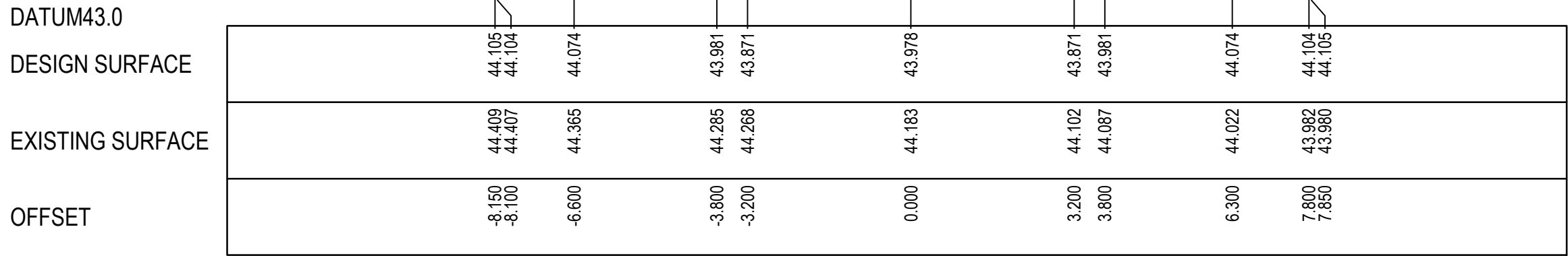
CH 539.993

DABLAM STREET - ROAD CROSS SECTIONS

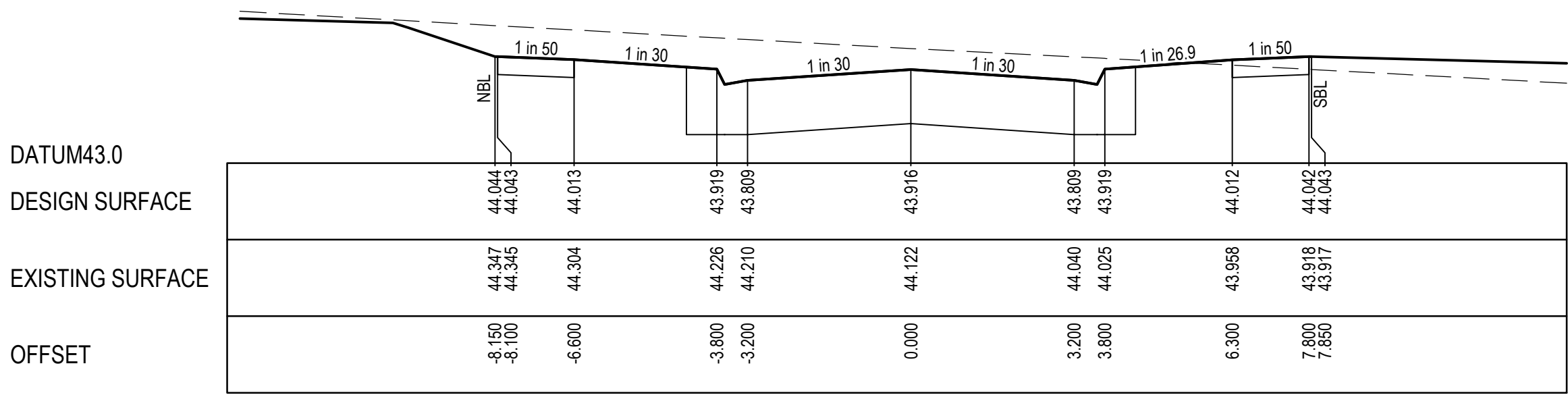
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

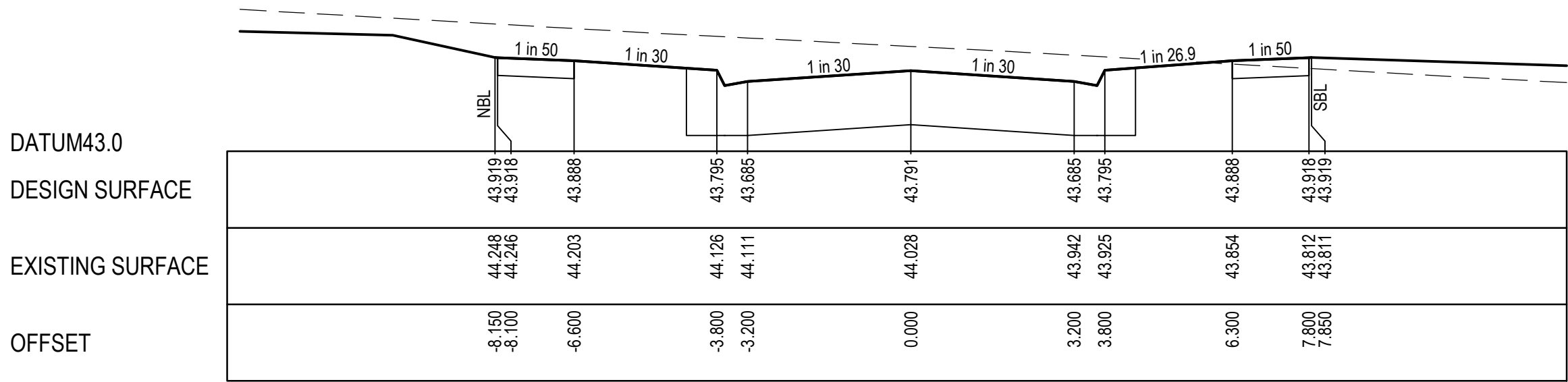
EXISTING SURFACE  
DESIGN SURFACE  
STRUCTURAL FILL



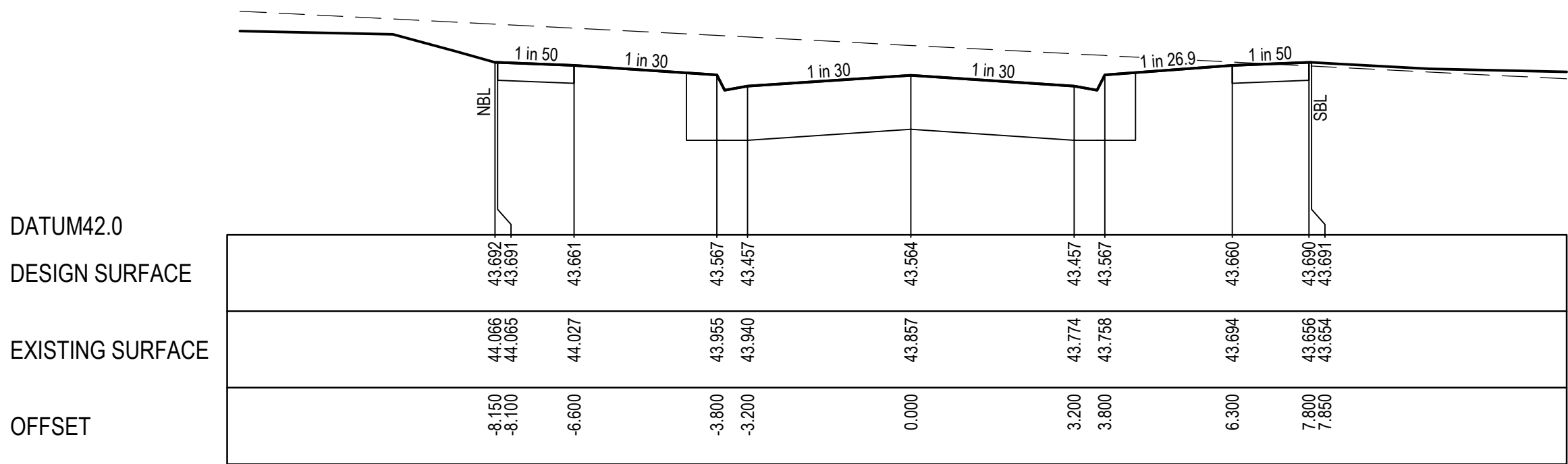
LTPCH 71.040



CH 58.697



CH 36.351



TPCH 19.449

MALVI ROAD - ROAD CROSS SECTIONS

ISSUED FOR CONSTRUCTION

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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D	M.F.					



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

Designed Date  
C.DAWSON  
20.09.2022  
Drawn  
M.F. JAURIGUE  
Approved Date  
M. FELICIANO  
20.09.2022  
PS Number  
PS902140F



Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing Title  
ROAD CROSS SECTIONS  
DABLAM STREET & MALVI ROAD

Sheet 14 of 24

Scale  
1:100 H 1:50 V @ A1

Project Ref  
1801767  
Stage No  
39  
Drawing No  
203  
Rev  
A



City of Casey

Approved By: Ange Dean

Planning Ref: PA21-0174

File No: SEng00280/22

Date : 23/01/2023

Council Drawing No.: R5924

Approval subject to:

- A free draining outfall being available prior to Statement of Compliance.

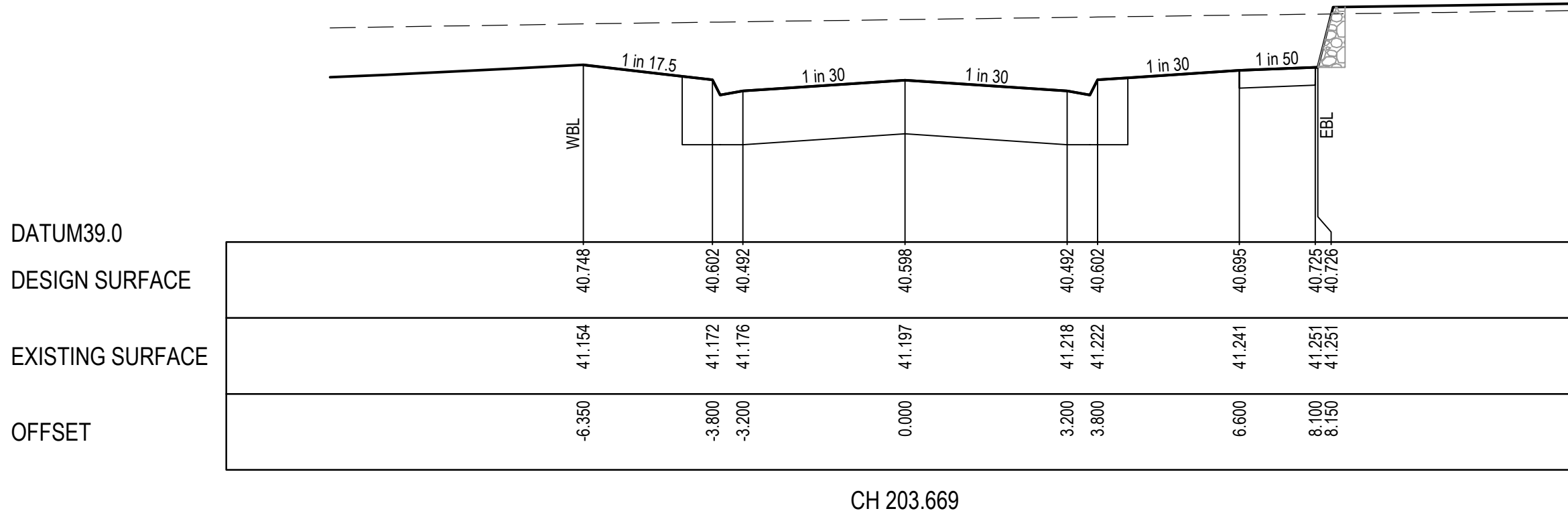
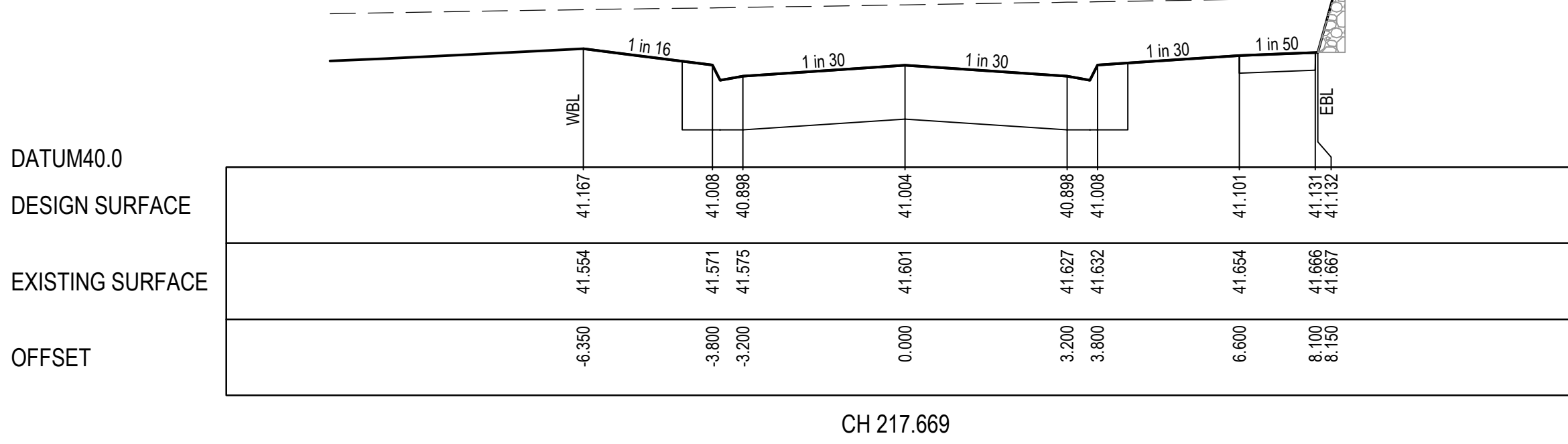
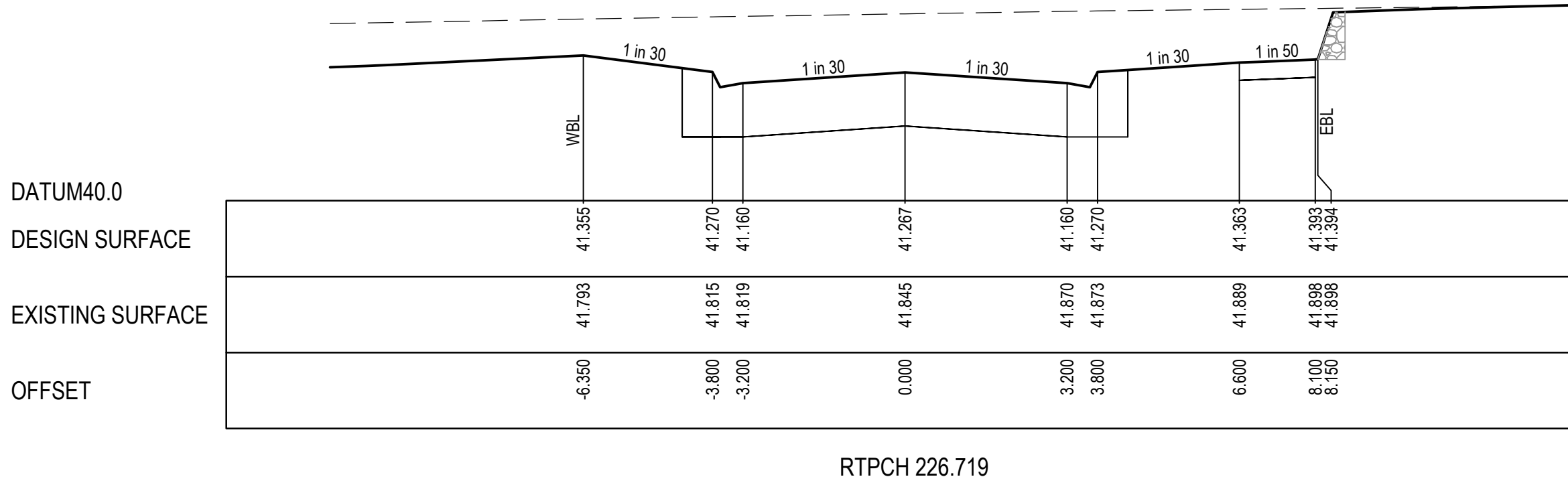
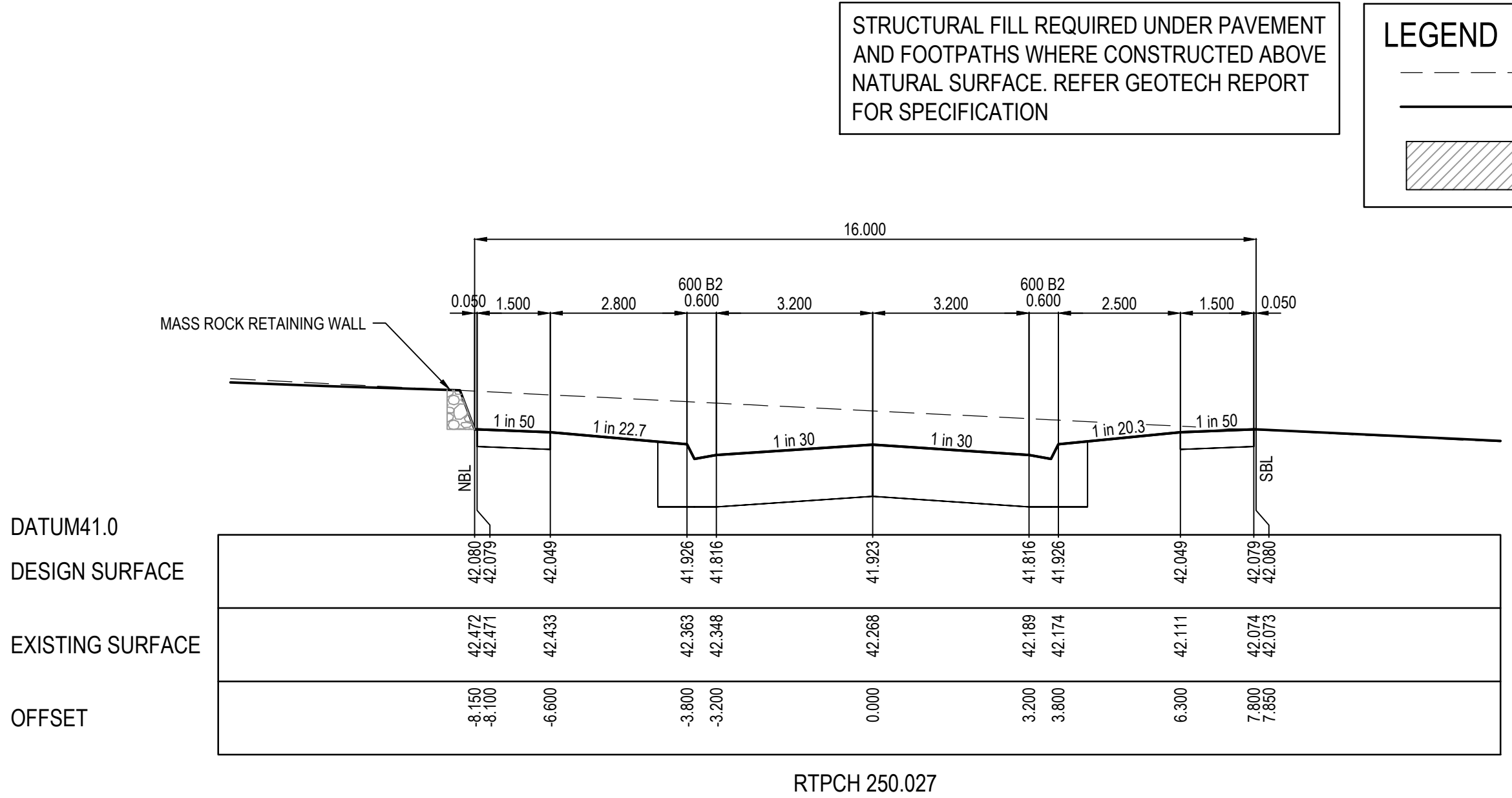
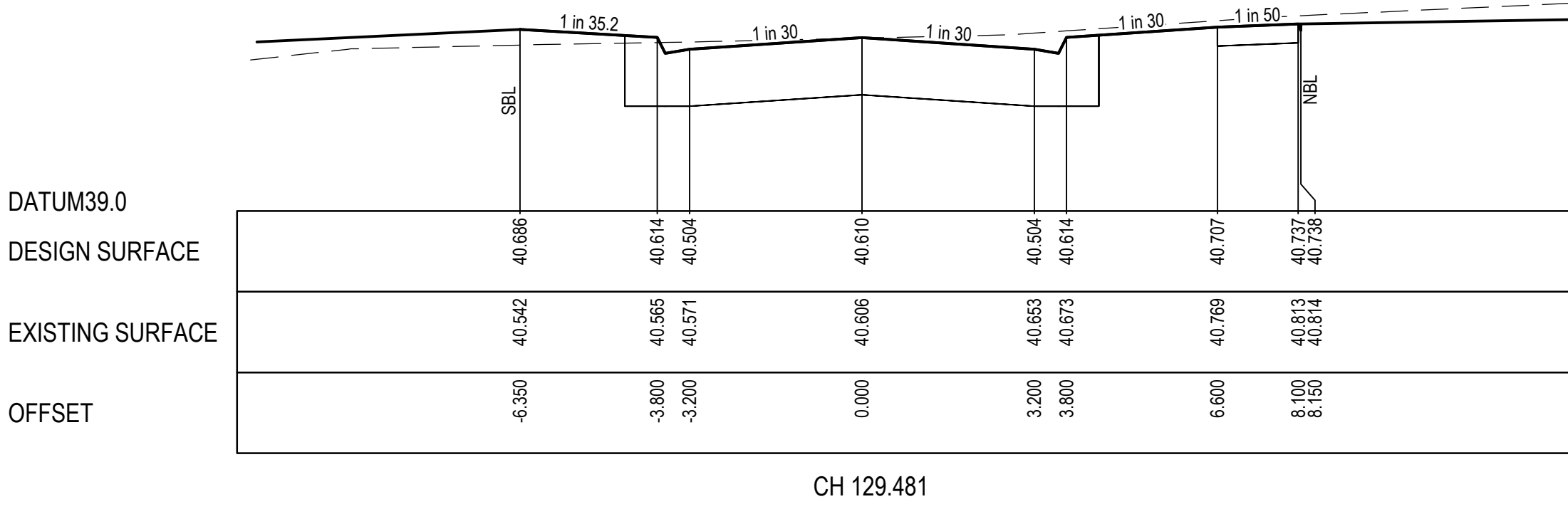
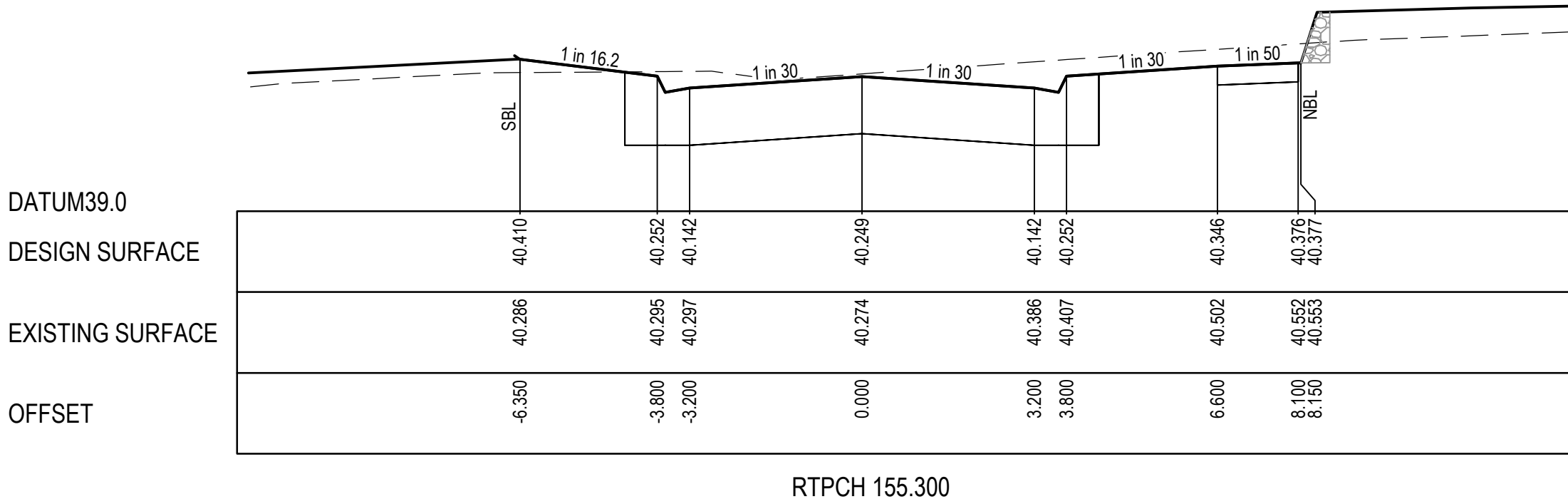
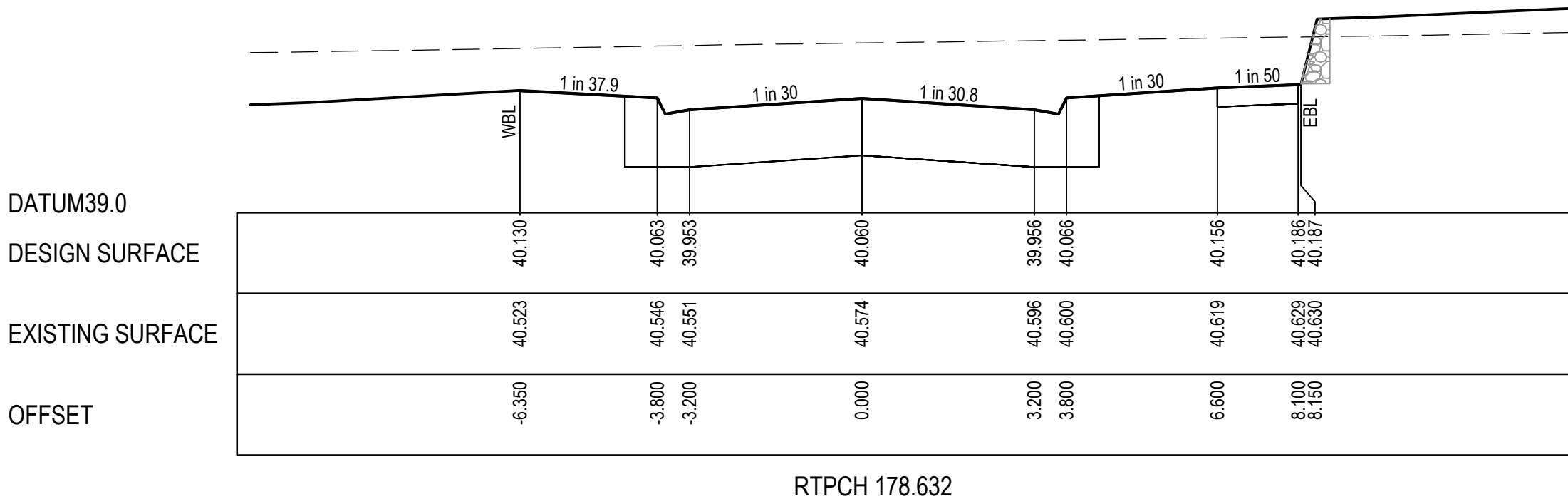
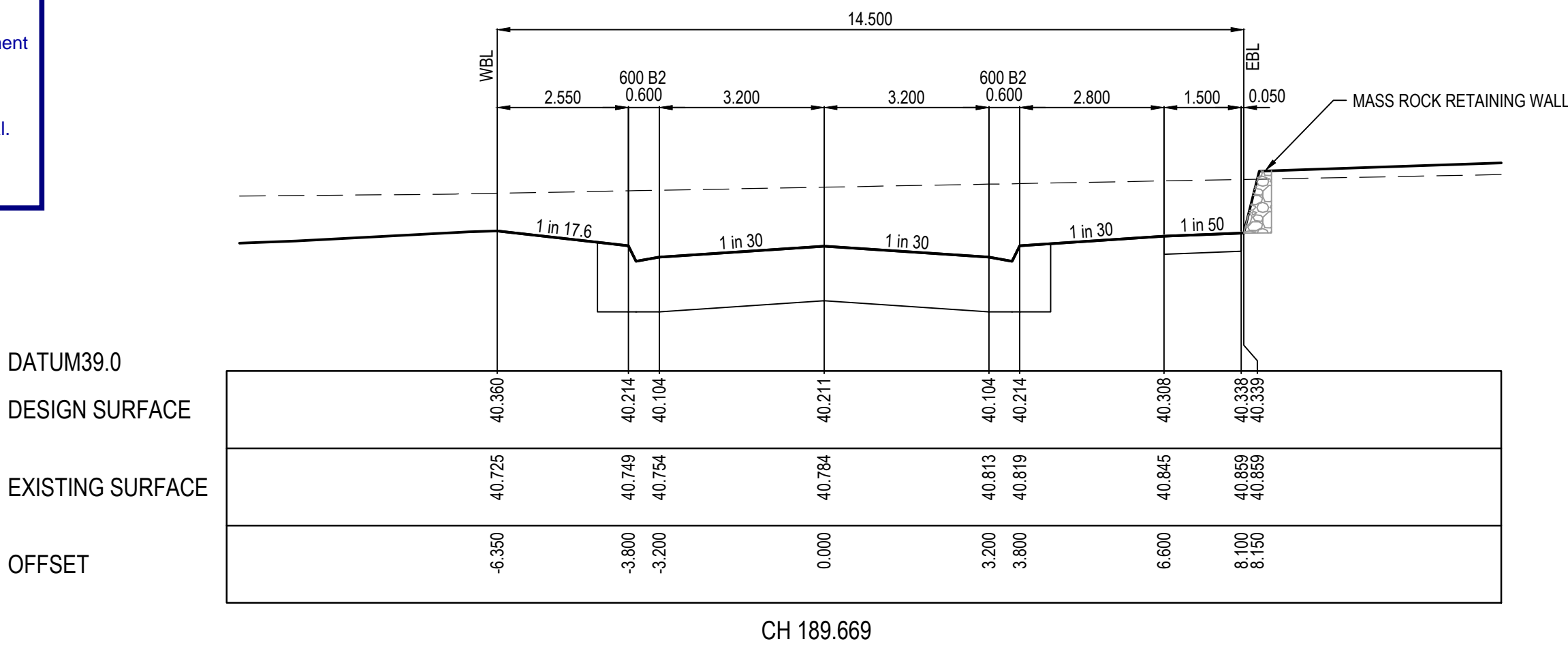
- A TMP approved prior to commencement of works.

- An EMP approved prior to commencement of works.

- Relevant service authorities notification and approval.

Signed:





LEGEND

---

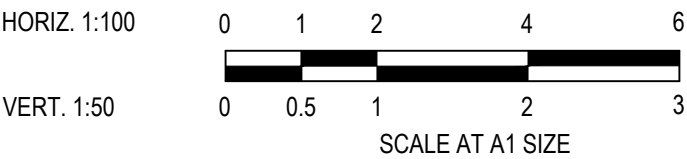
EXISTING SURFACE

---

DESIGN SURFACE

STRUCTURAL FILL

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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D	M.F.					
REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP



Designed	C.DAWSON
Date	20.09.2022
Drawn	M.F. JAURIGUE
Approved	M. FELICIANO
Date	20.09.2022
PS Number	PS902140F

BW

Beveridge Williams

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

Project Details	MERIDIAN CENTRAL ESTATE STAGE 39 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS KHILLARI CRICUIT (SHEET 1 OF 2)

ISSUED FOR  
CONSTRUCTION

Sheet 15 of 24

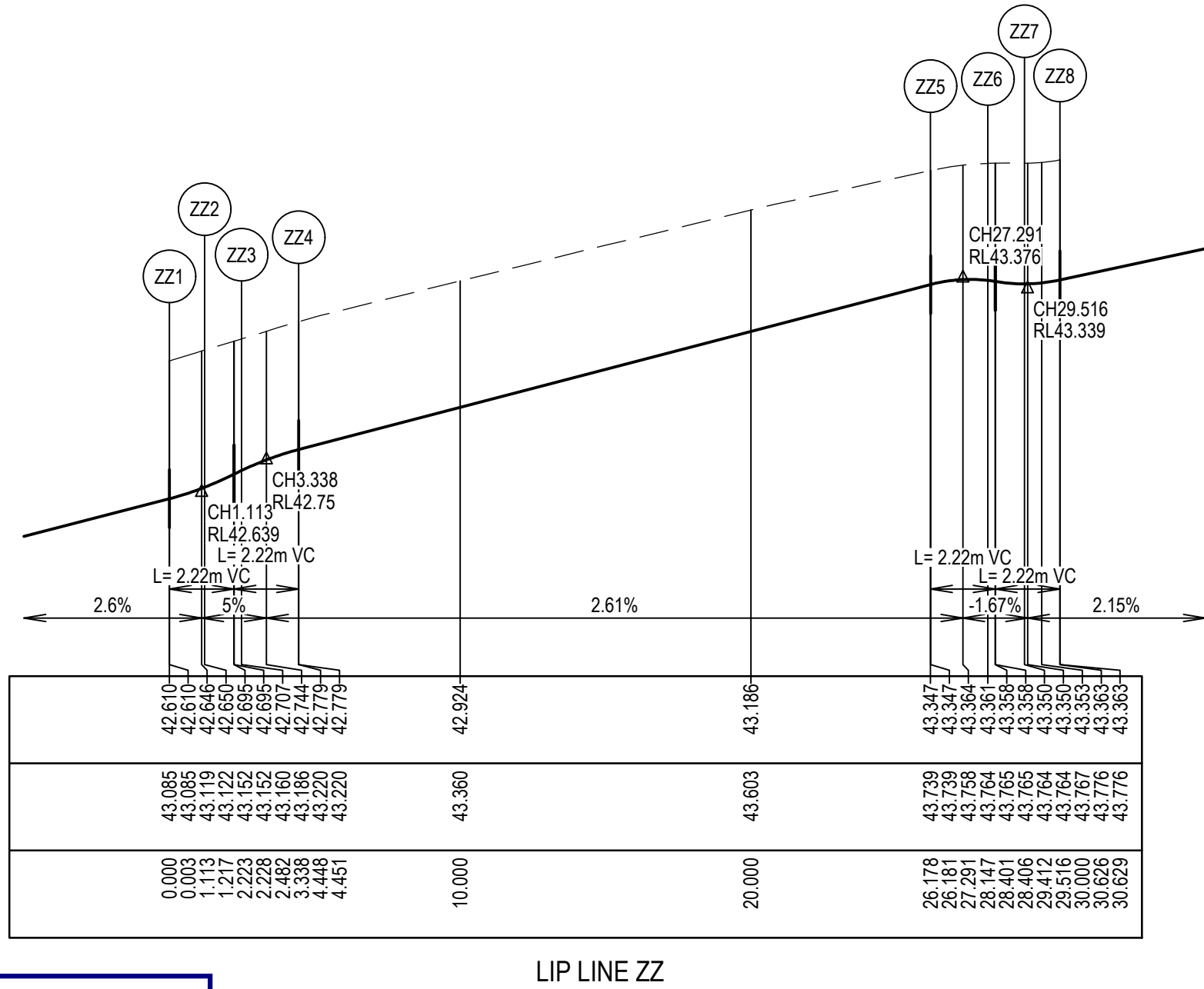
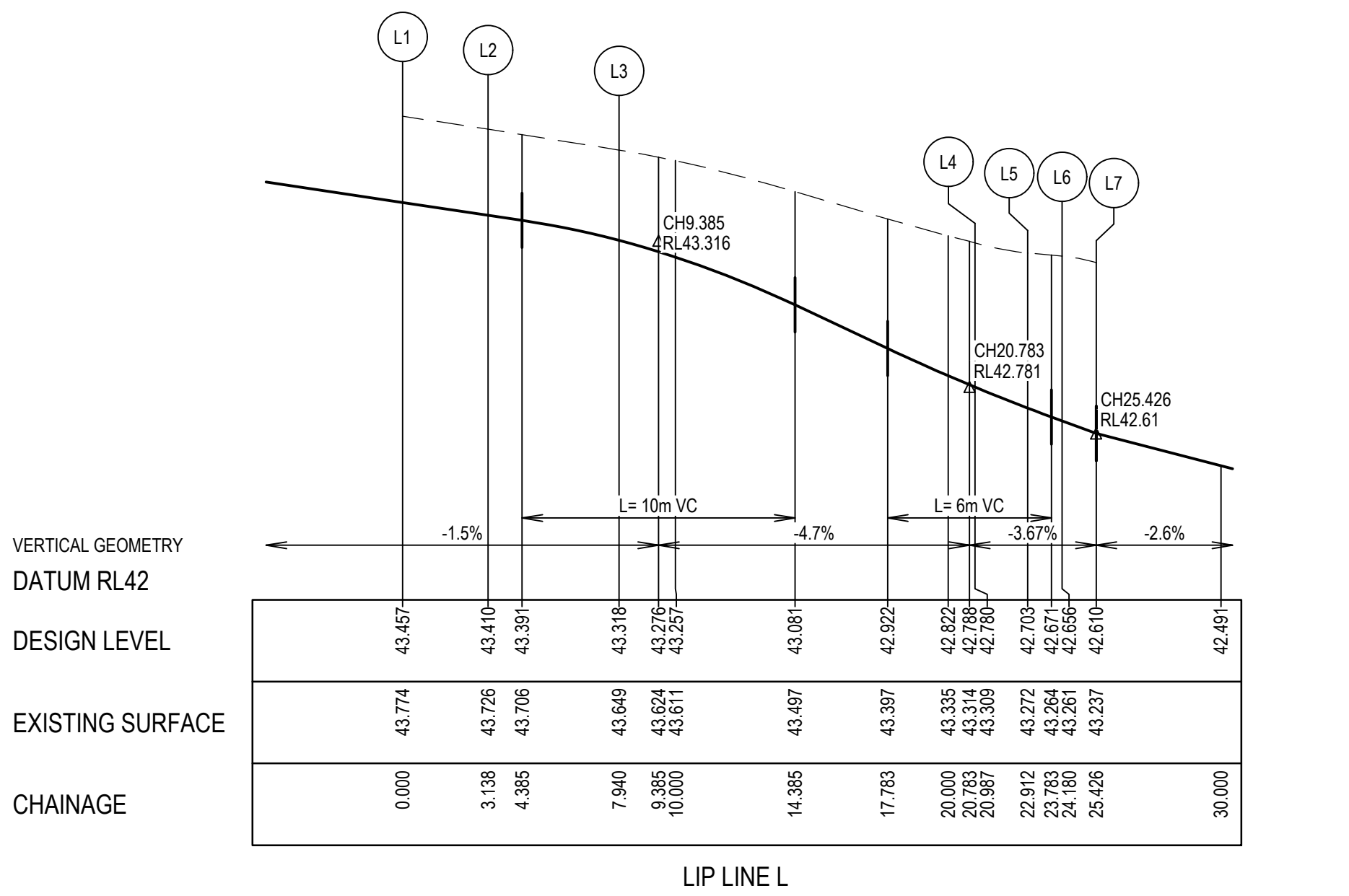
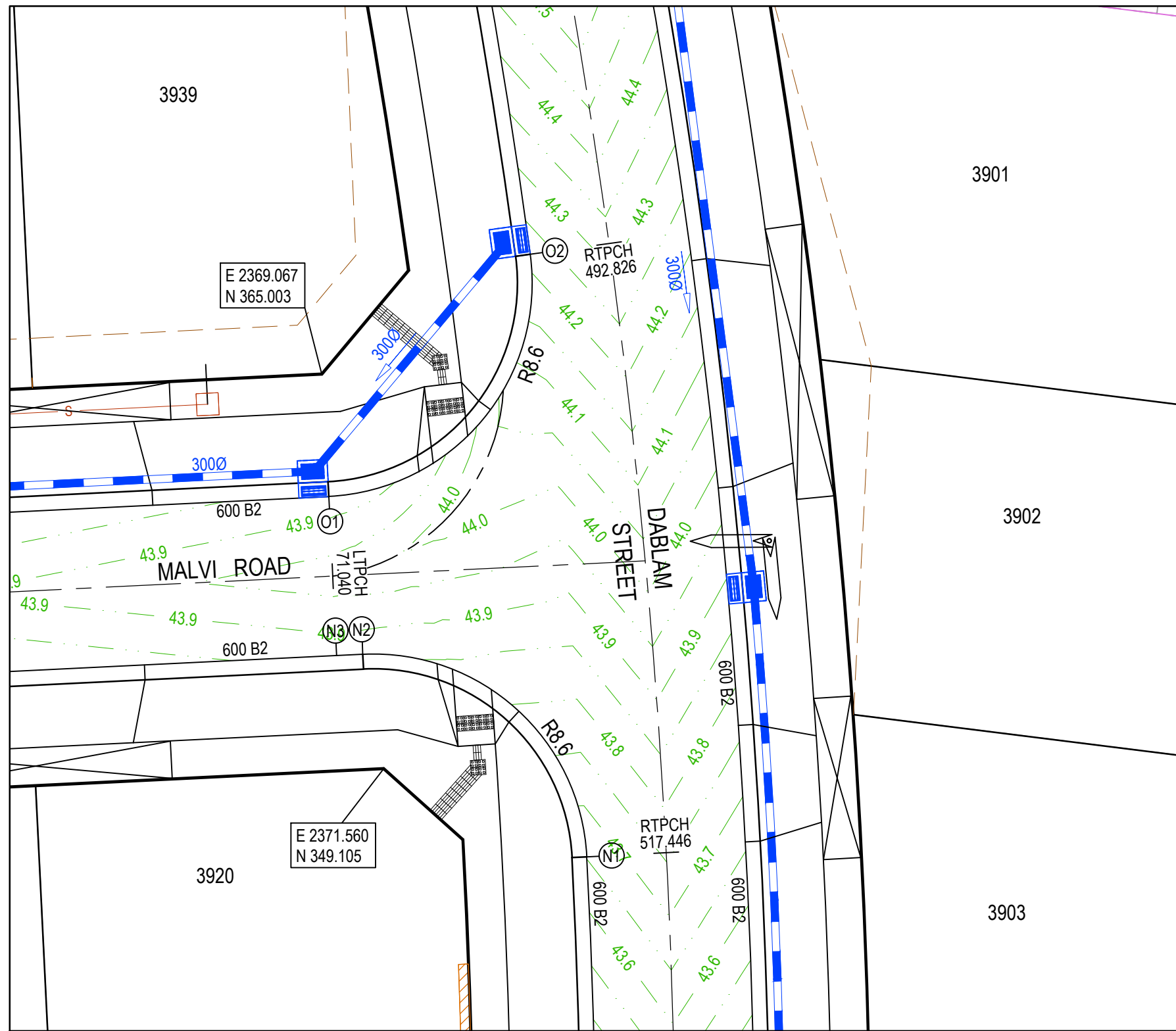
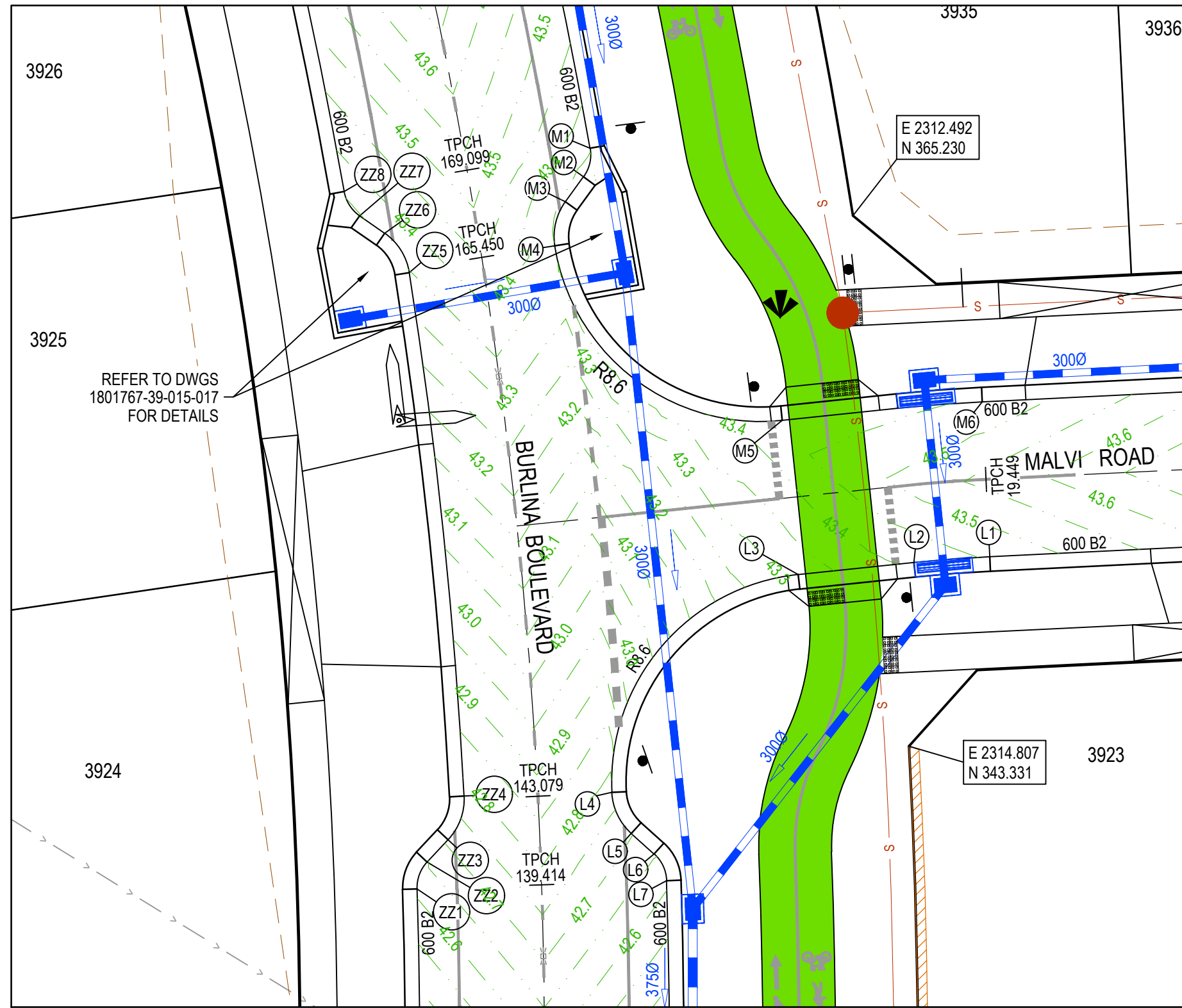
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Project Ref	Stage No	Drawing No	Rev
1801767	39	204	A







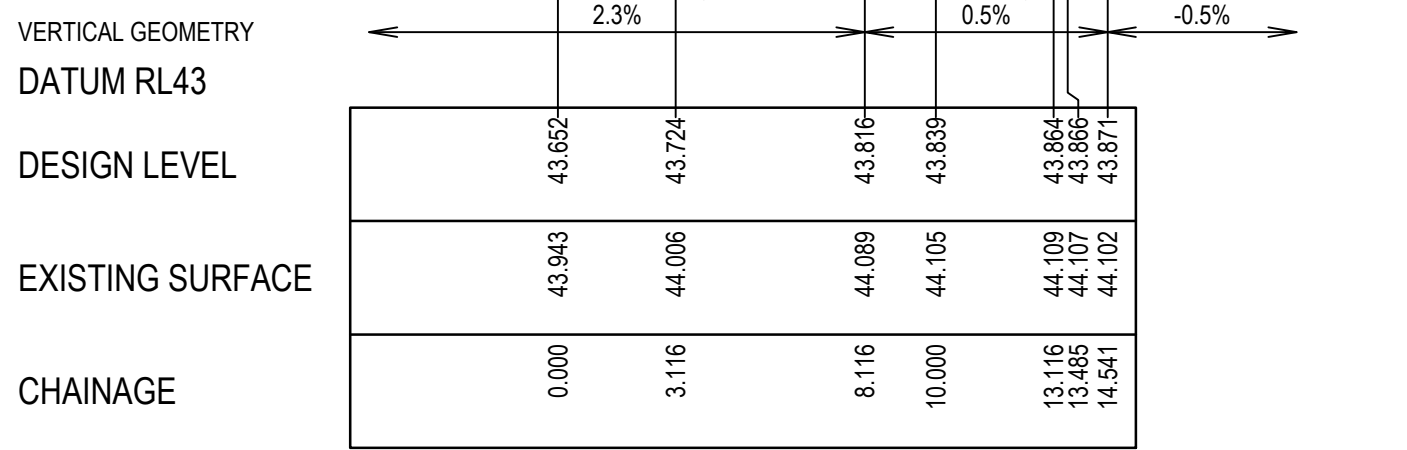


**City of Casey**

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date: 23/01/2023  
Council Drawing No.: R5924

Approval subject to:  
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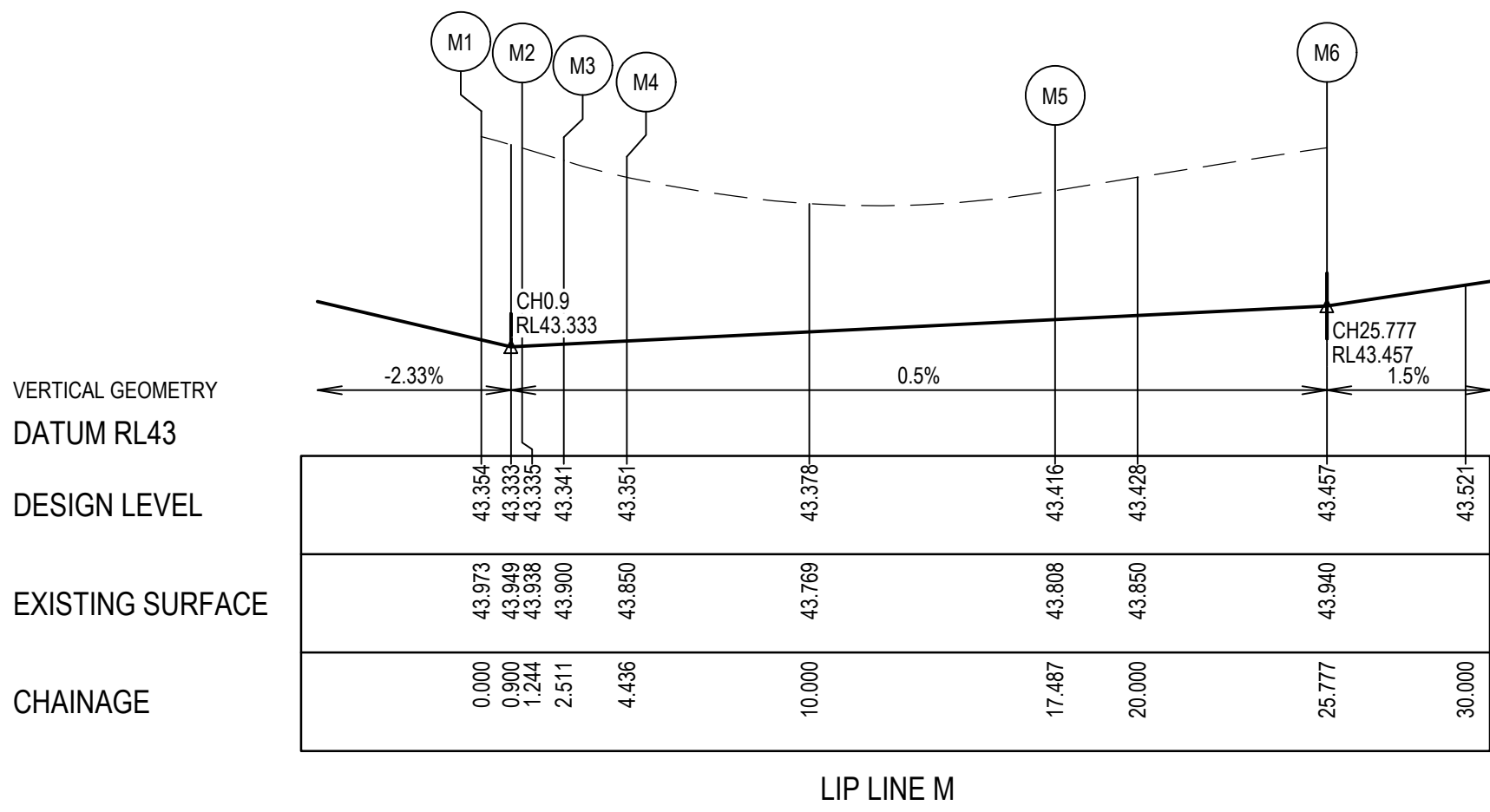
Signed: [Signature]



LIP LINE N

Point no	Easting	Northing	RL
N1	2379.730	345.573	43.652
N2	2370.722	353.720	43.866
N3	2369.668	353.668	43.871

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
N1 - N2	89.841	8.600	13.485	2.510	1.858	3.286	2.787	3.371	43.795



LIP LINE L

Point no	Easting	Northing	RL
L1	2318.139	351.153	43.457
L2	2315.010	350.913	43.410
L3	2310.234	350.415	43.318
L4	2302.539	341.428	42.780
L5	2302.539	341.427	42.780
L6	2303.343	339.733	42.703
L7	2304.284	338.883	42.656
L8	2304.796	337.783	42.610

LIP LINE ZZ

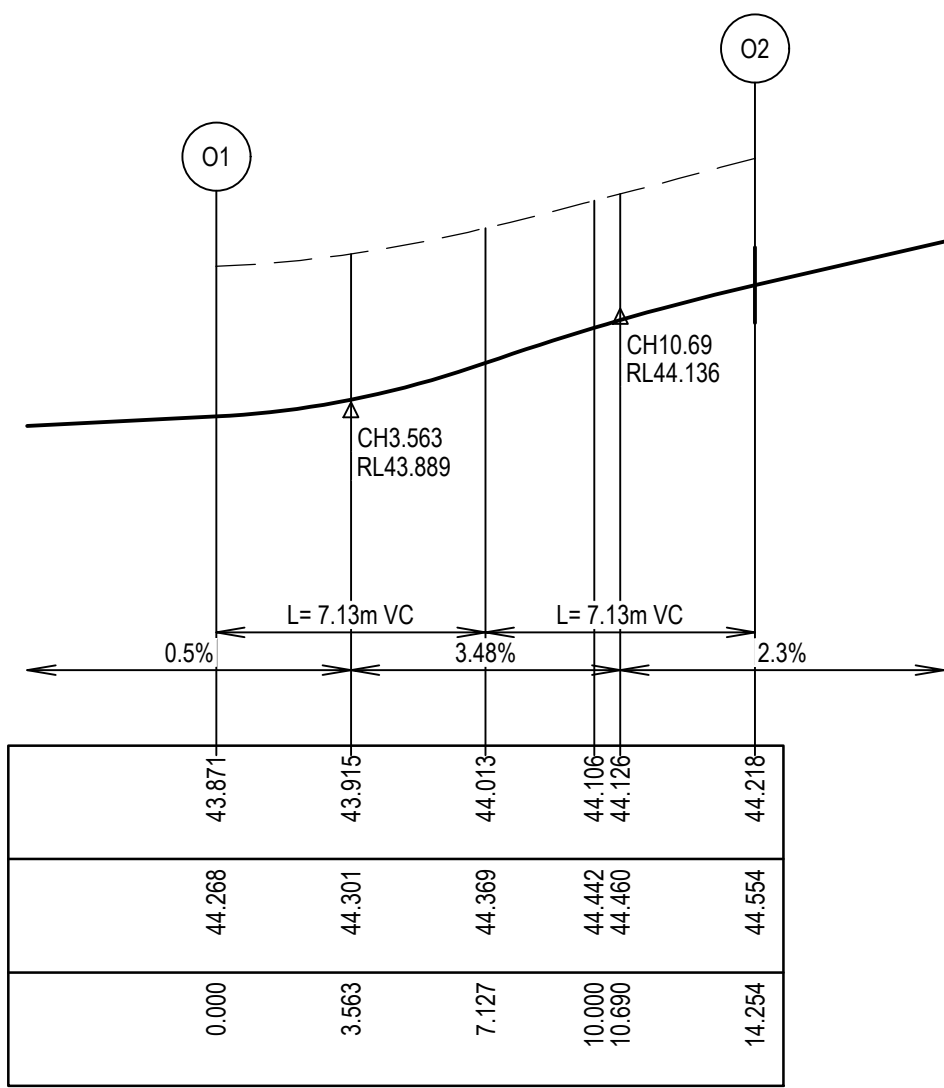
Point no	Easting	Northing	RL
ZZ1	2294.502	337.442	42.610
ZZ2	2294.919	338.552	42.650
ZZ3	2295.783	339.476	42.707
ZZ4	2296.441	341.276	42.779
ZZ5	2294.186	362.875	43.347
ZZ6	2293.171	364.501	43.361
ZZ7	2292.134	365.226	43.350
ZZ8	2291.497	366.227	43.363

LIP LINE M

Point no	Easting	Northing	RL
M1	2301.640	368.016	43.354
M2	2301.368	366.836	43.335
M3	2300.623	365.810	43.341
M4	2300.186	363.987	43.351
M5	2309.573	356.780	43.416
M6	2317.826	357.545	43.457

LIP LINE O

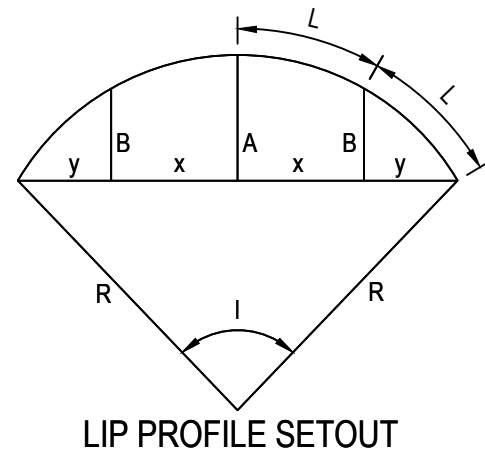
Point no	Easting	Northing	RL
O1	2369.356	360.061	43.871
O2	2377.458	369.811	44.218



LIP LINE O

Point no	Easting	Northing	RL
O1	2369.356	360.061	43.871
O2	2377.458	369.811	44.218

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
O1 - O2	94.963	8.600	14.254	2.788	2.060	3.462	2.876	3.563	44.013



**LEGEND**

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
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- 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**

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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D.	M.F.					
REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.

**BROWN** PROPERTY GROUP

**MERIDIAN CENTRAL**

HORIZ 1:200

VERT 1:20

SCALE AT A1 SIZE

Designed By: C.DAWSON  
Date: 20.09.2022

Drawn: M.F. JAURIGUE

Approved Date: M. FELICIANO  
Date: 20.09.2022

PS Number: PS902140F

**BW** Beveridge Williams

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

Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY

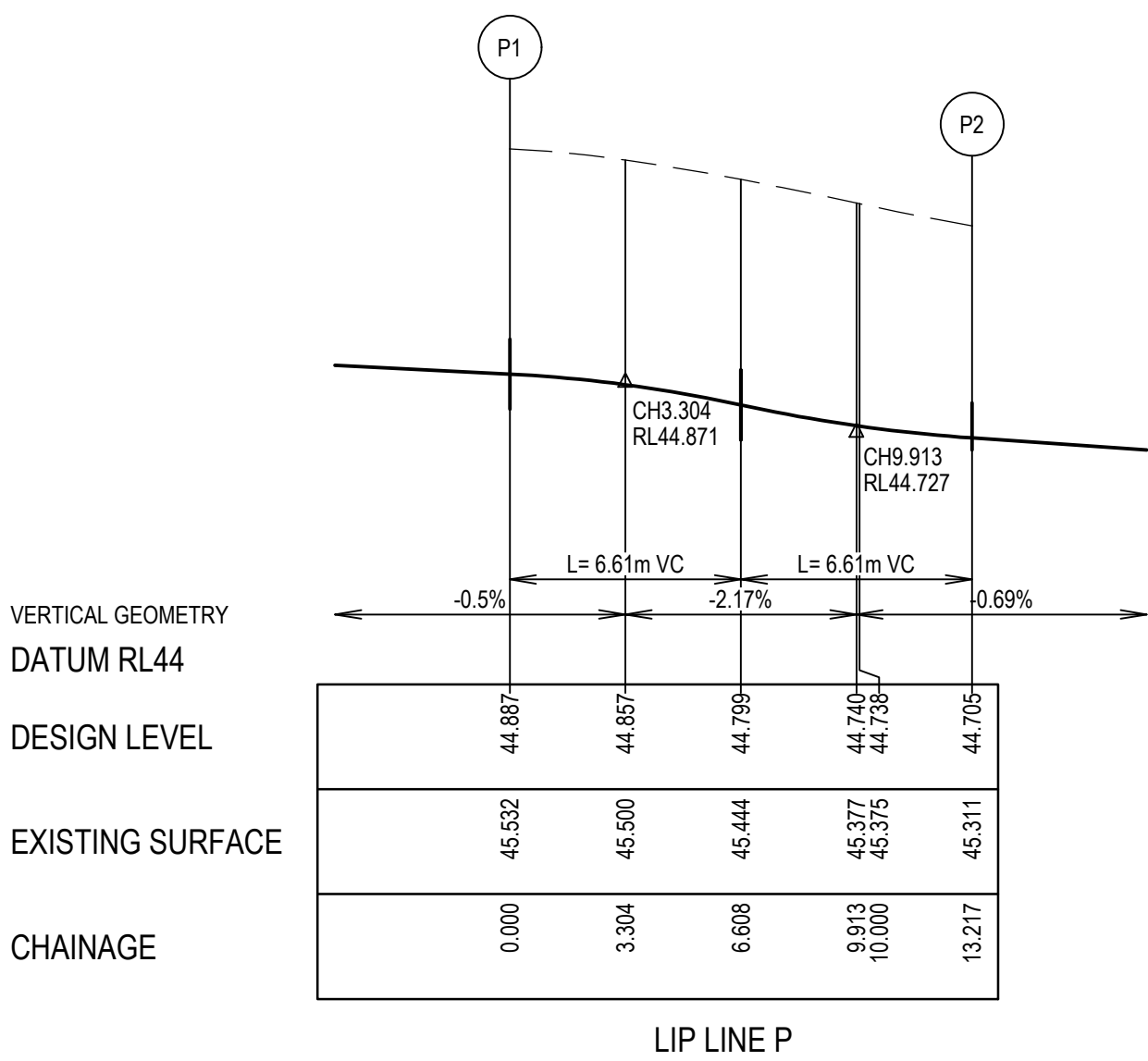
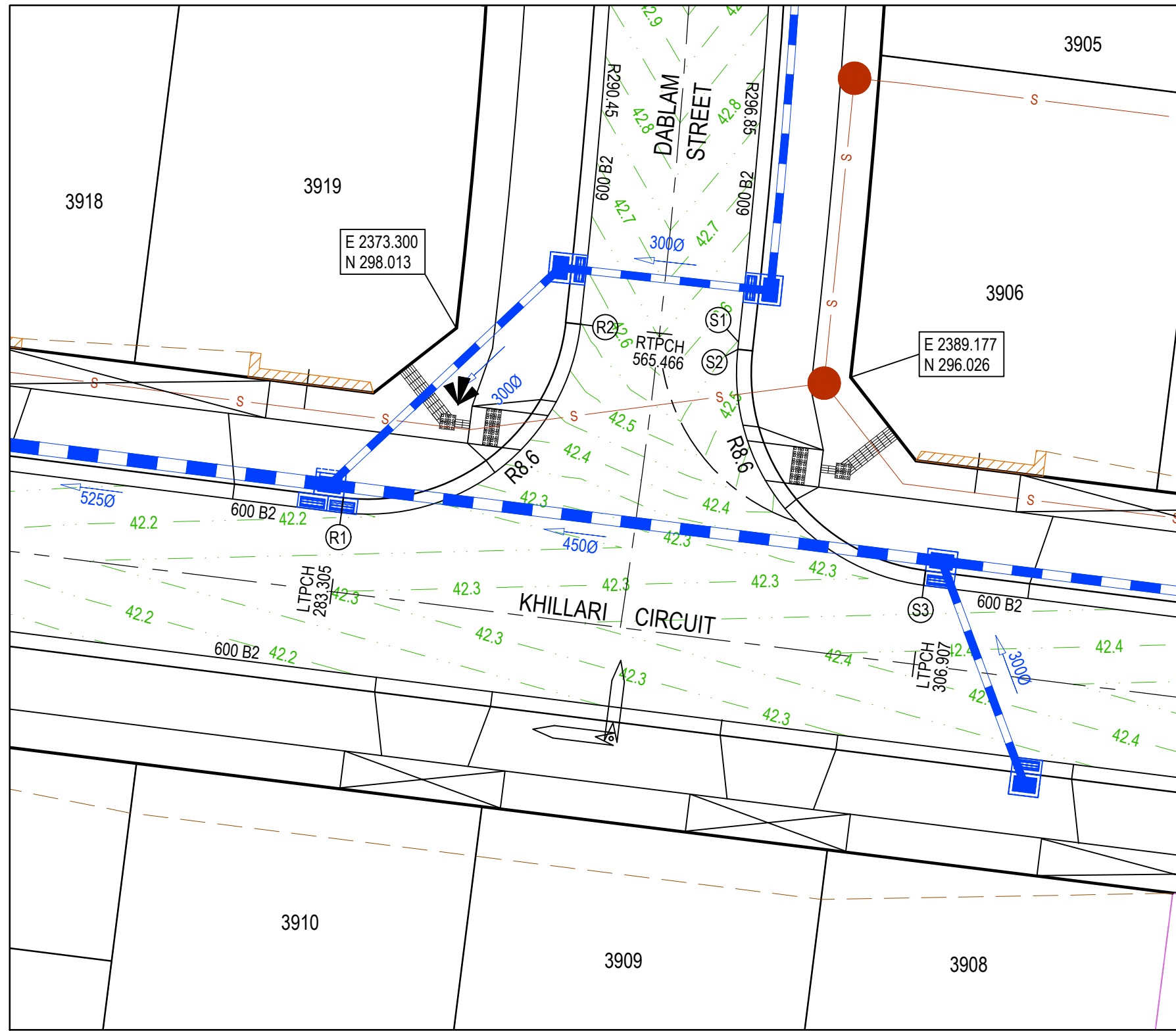
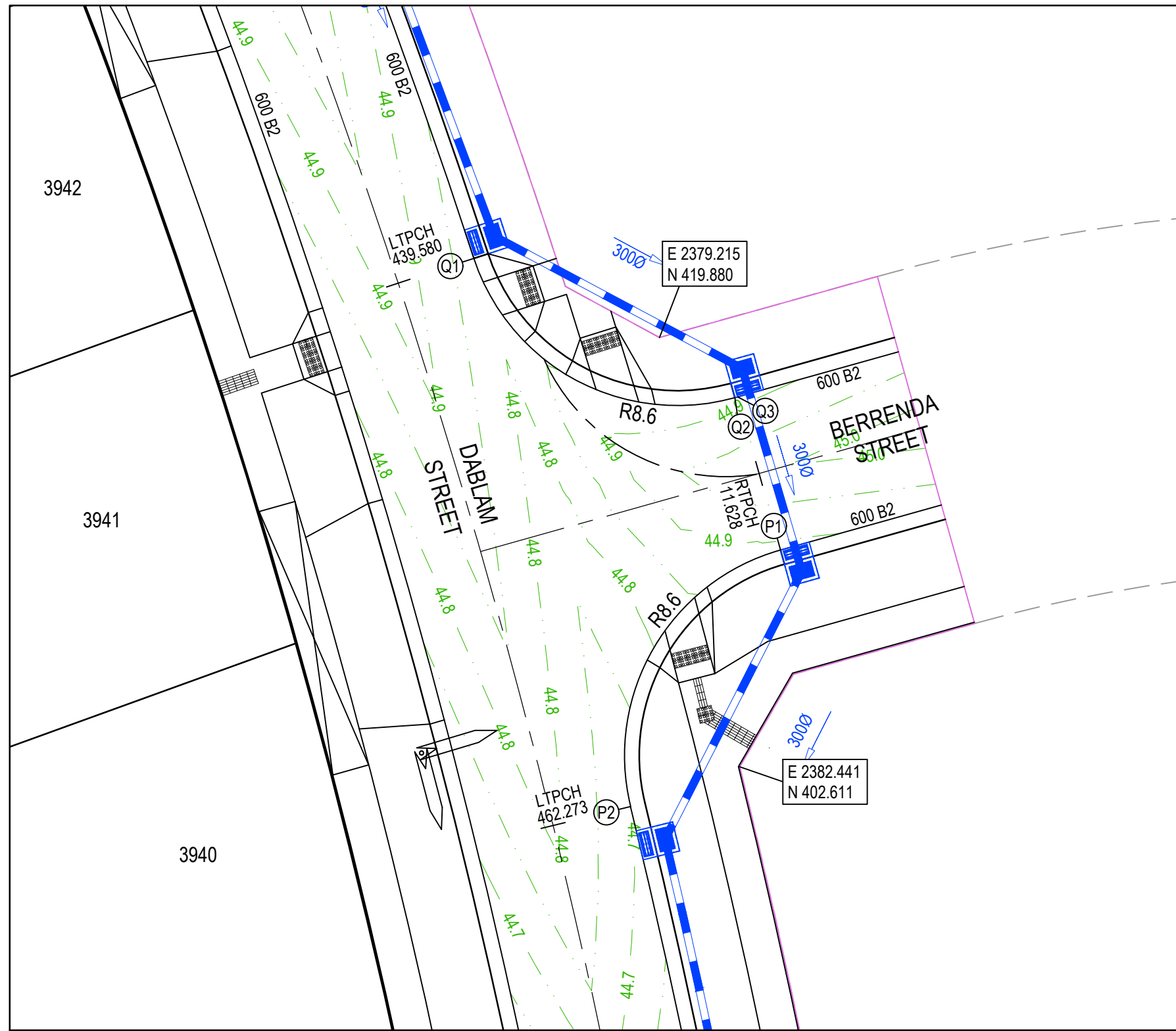
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(SHEET 1 OF 3)

Sheet 17 of 24

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

Project Ref: 1801767  
Stage No: 39  
Drawing No: 300  
Rev: A

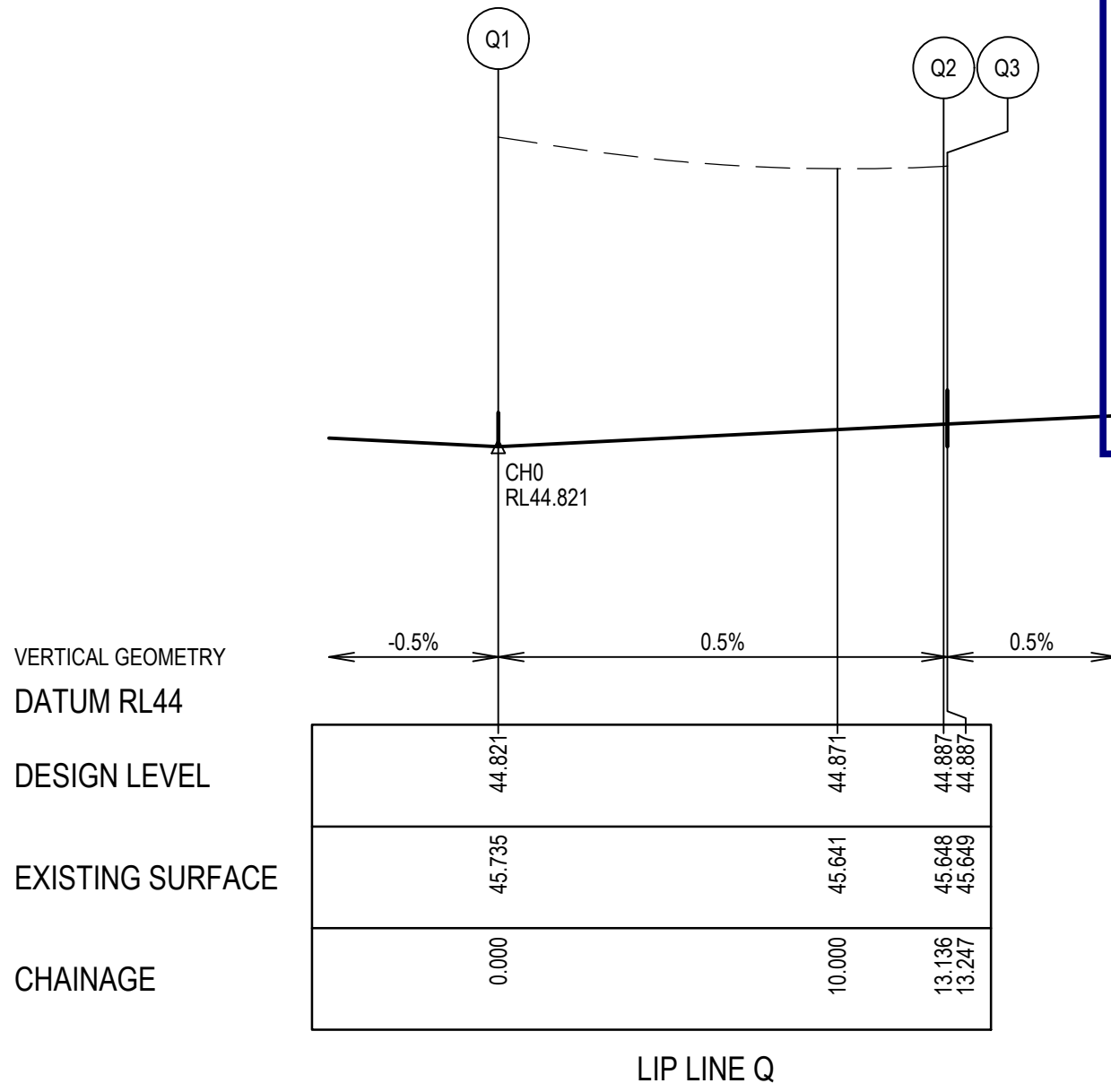




ALIGNMENT P

Point no	Easting	Northing	RL
P1	2384.080	411.326	44.887
P2	2378.046	401.006	44.705

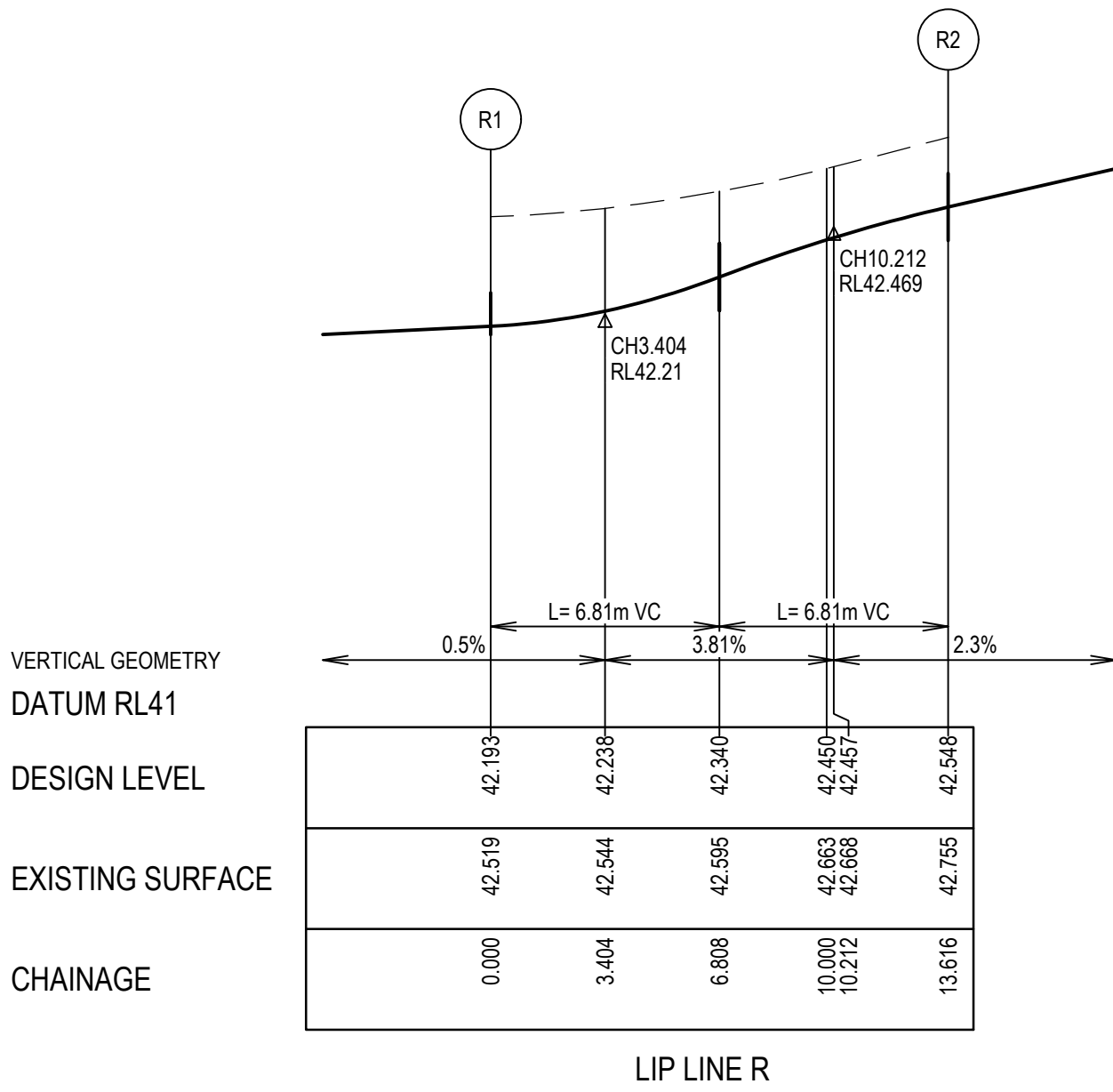
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
P1 - P2	88.055	8.600	13.217	2.417	1.790	3.224	2.753	3.304	44.799



ALIGNMENT Q

Point no	Easting	Northing	RL
Q1	2371.751	423.060	44.821
Q2	2382.245	417.458	44.887
Q3	2382.352	417.488	44.887

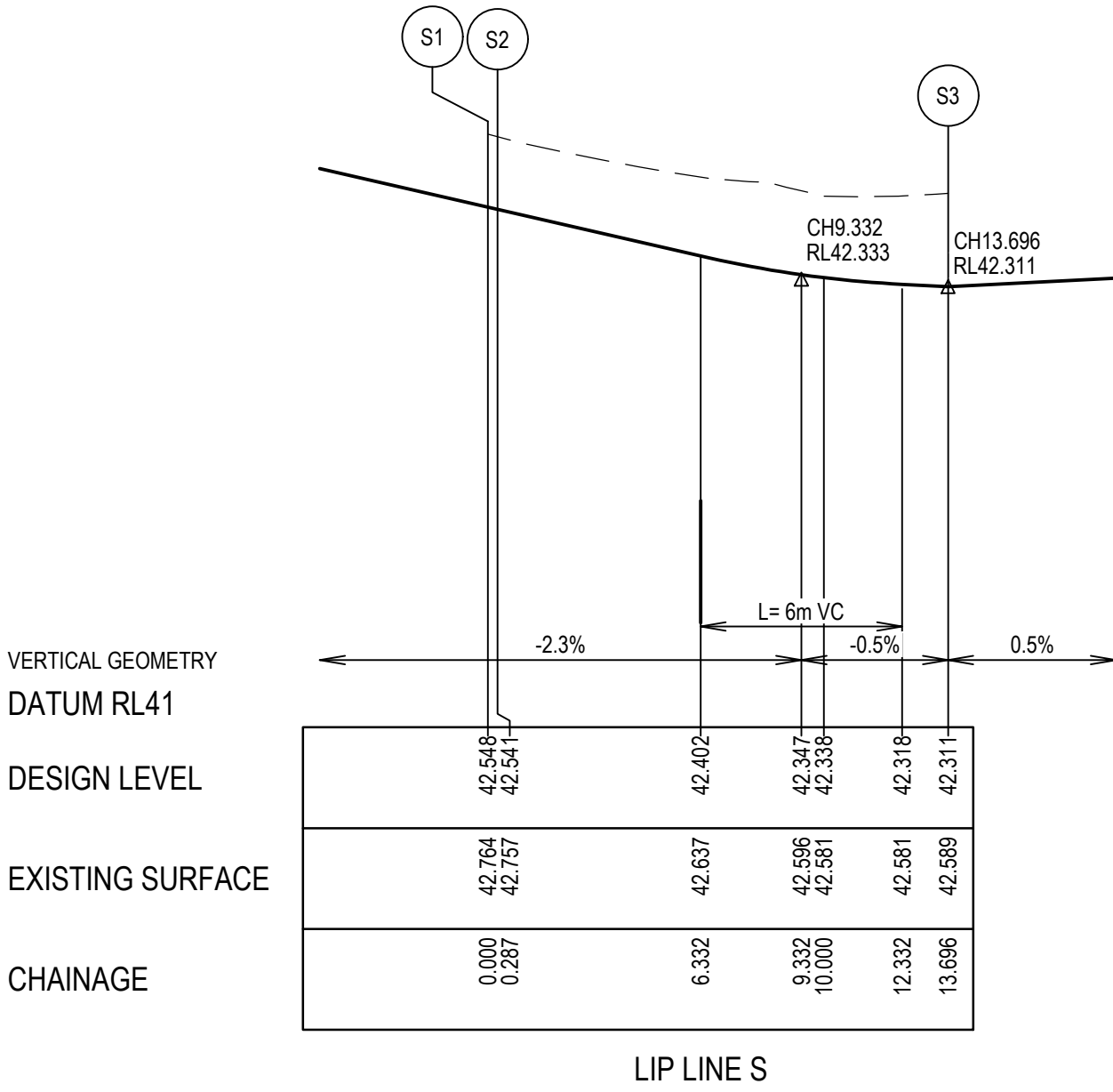
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
Q1 - Q2	87.513	8.600	13.136	2.388	1.769	3.205	2.743	3.284	44.854



ALIGNMENT R

Point no	Easting	Northing	RL
R1	2368.684	290.578	42.193
R2	2378.297	298.151	42.548

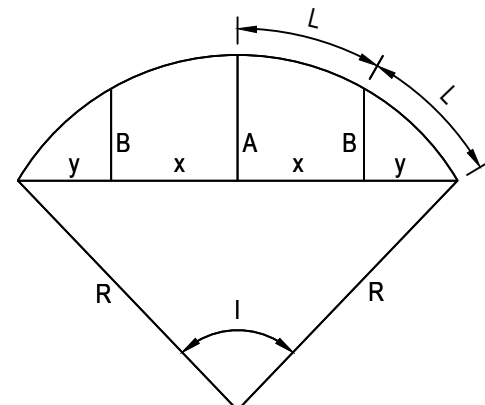
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
R1 - R2	90.716	8.600	13.616	2.557	1.892	3.316	2.803	3.404	42.340



ALIGNMENT S

Point no	Easting	Northing	RL
S1	2384.657	297.436	42.548
S2	2384.625	297.151	42.541
S3	2392.103	287.648	42.311

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
S1 - S2	0.055	296.850	0.287	0.000	0.000	0.072	0.072	0.072	42.544
S2 - S3	89.339	8.600	13.410	2.484	1.839	3.268	2.778	3.352	42.388



LIP PROFILE SETOUT

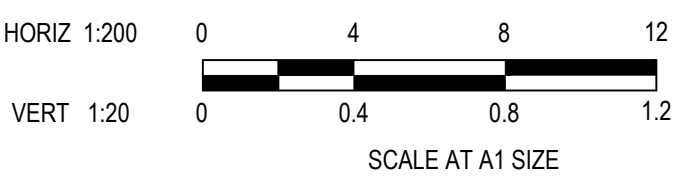
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D.	M.F.					



Designed  
Date  
C.DAWSON  
20.09.2022

Drawn  
M.F. JAURIGUE

Approved  
Date  
M. FELICIANO  
20.09.2022

PS Number  
PS902140F



Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY

Drawing  
Title  
INTERSECTION DETAILS  
(SHEET 2 OF 3)

Sheet 18 of 24

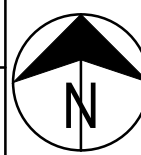
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Project Ref  
1801767

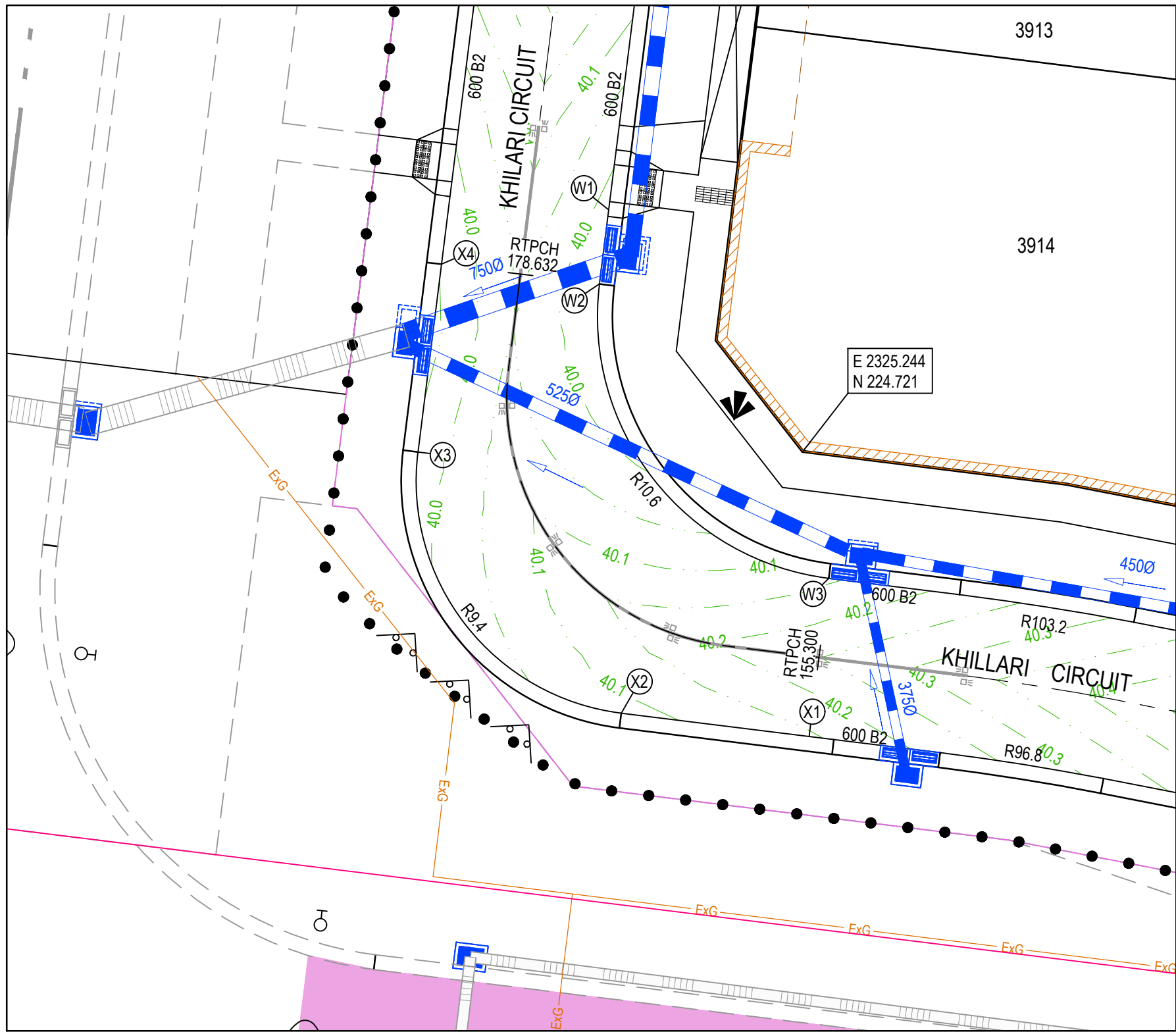
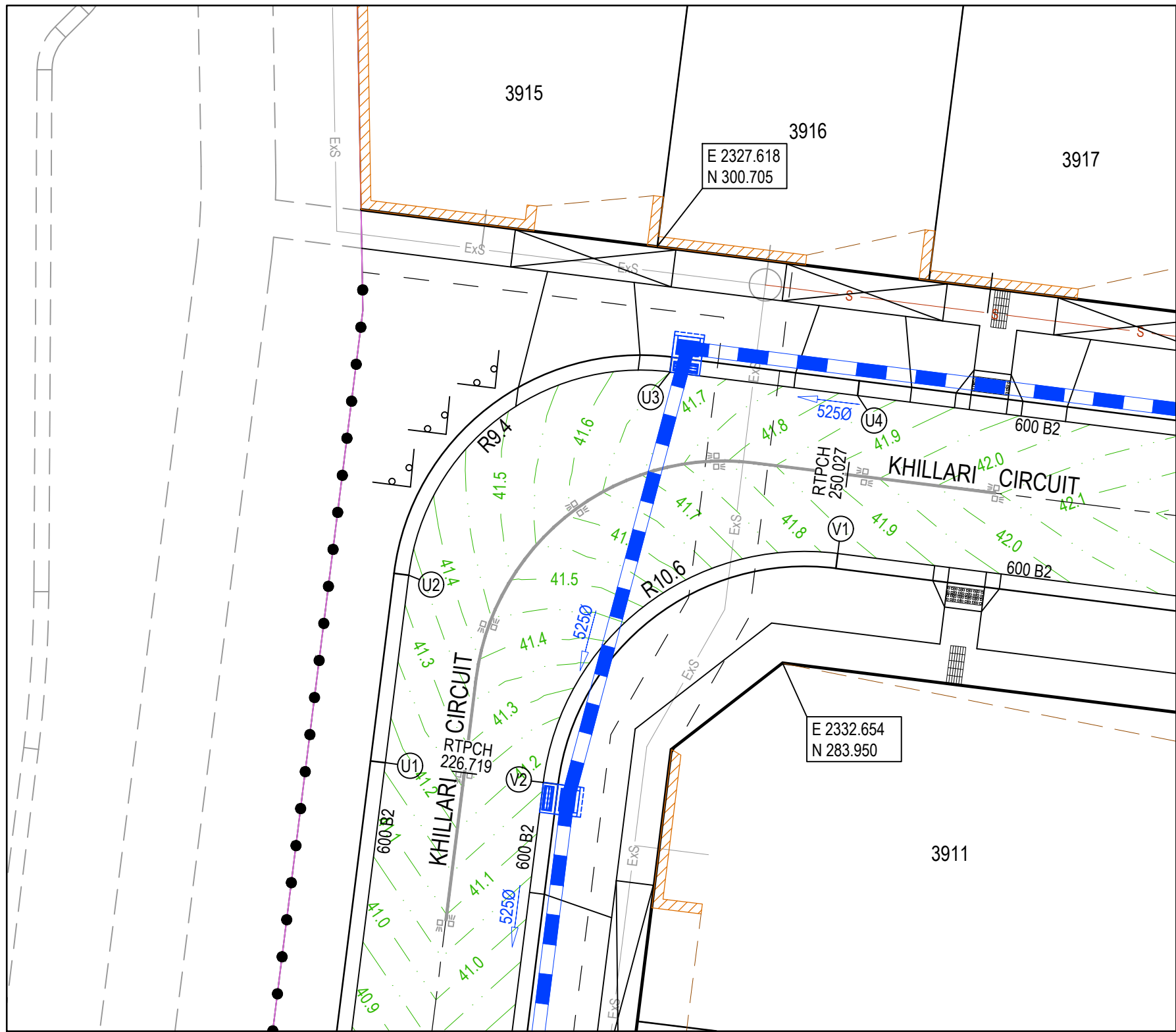
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39

Drawing No  
301

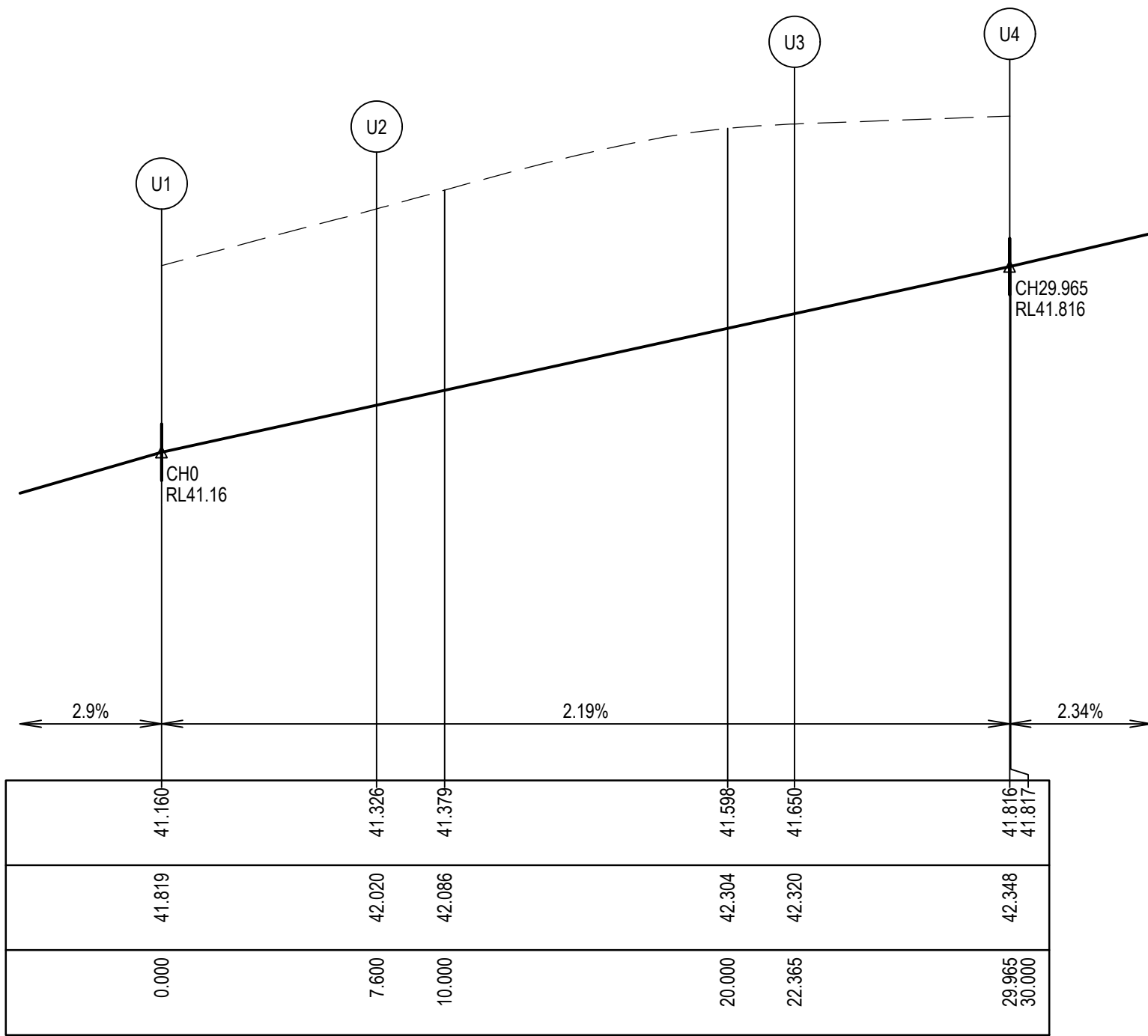
Rev  
A







VERTICAL GEOMETRY  
DATUM RL40  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

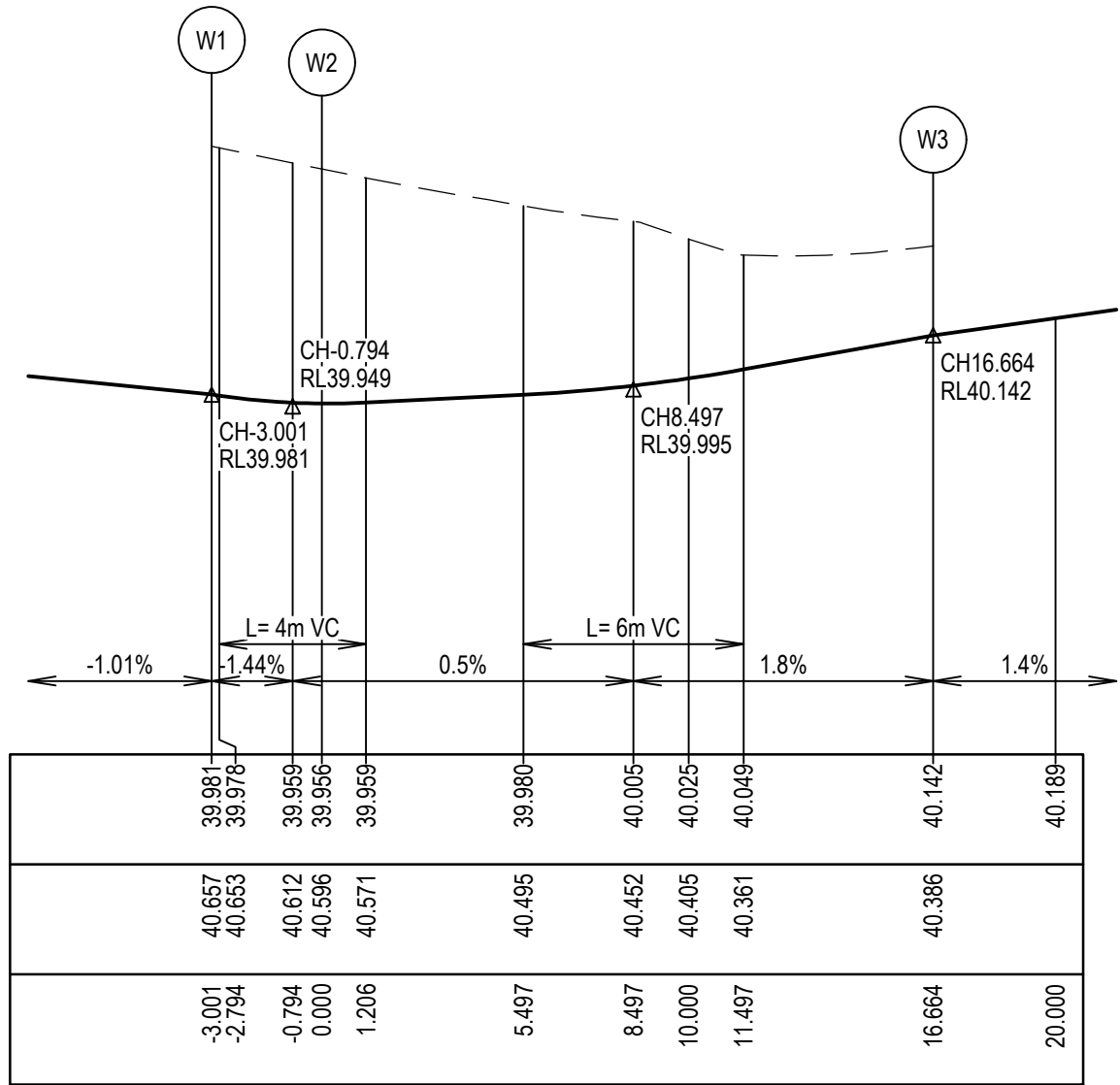


#### ALIGNMENT U

Point no	Easting	Northing	RL
U1	2316.684	279.952	41.160
U2	2317.628	287.493	41.326
U3	2328.122	295.653	41.650
U4	2335.663	294.710	41.816

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
U2 - U3	90.000	9.400	14.765	2.753	2.038	3.597	3.050	3.691	41.488

VERTICAL GEOMETRY  
DATUM RL39  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

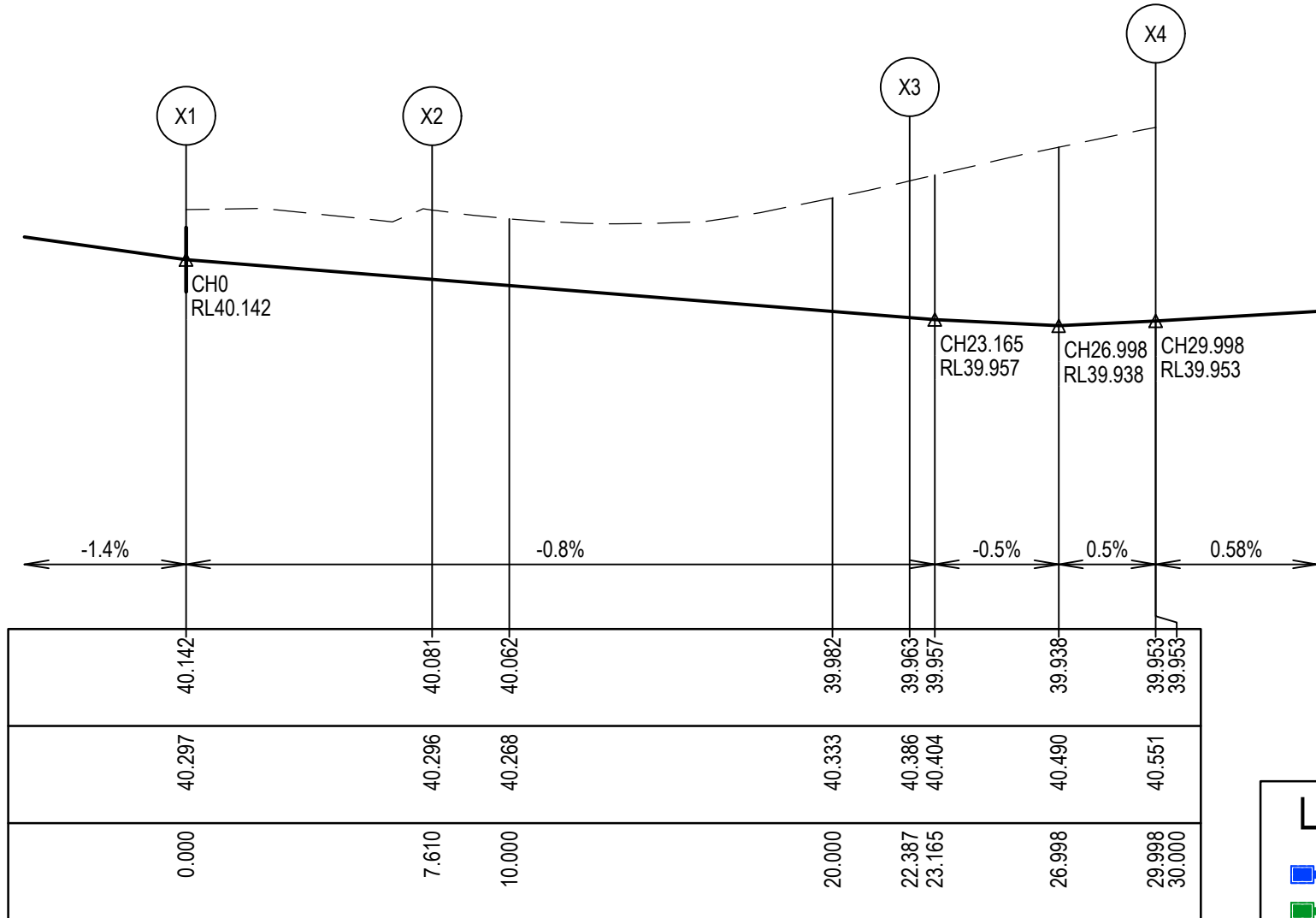


#### ALIGNMENT W

Point no	Easting	Northing	RL
W1	2317.437	234.419	39.981
W2	2317.065	231.440	39.956
W3	2326.280	219.605	40.142

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
W2 - W3	90.073	10.600	16.664	3.109	2.301	4.060	3.441	4.166	40.003

VERTICAL GEOMETRY  
DATUM RL39  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE

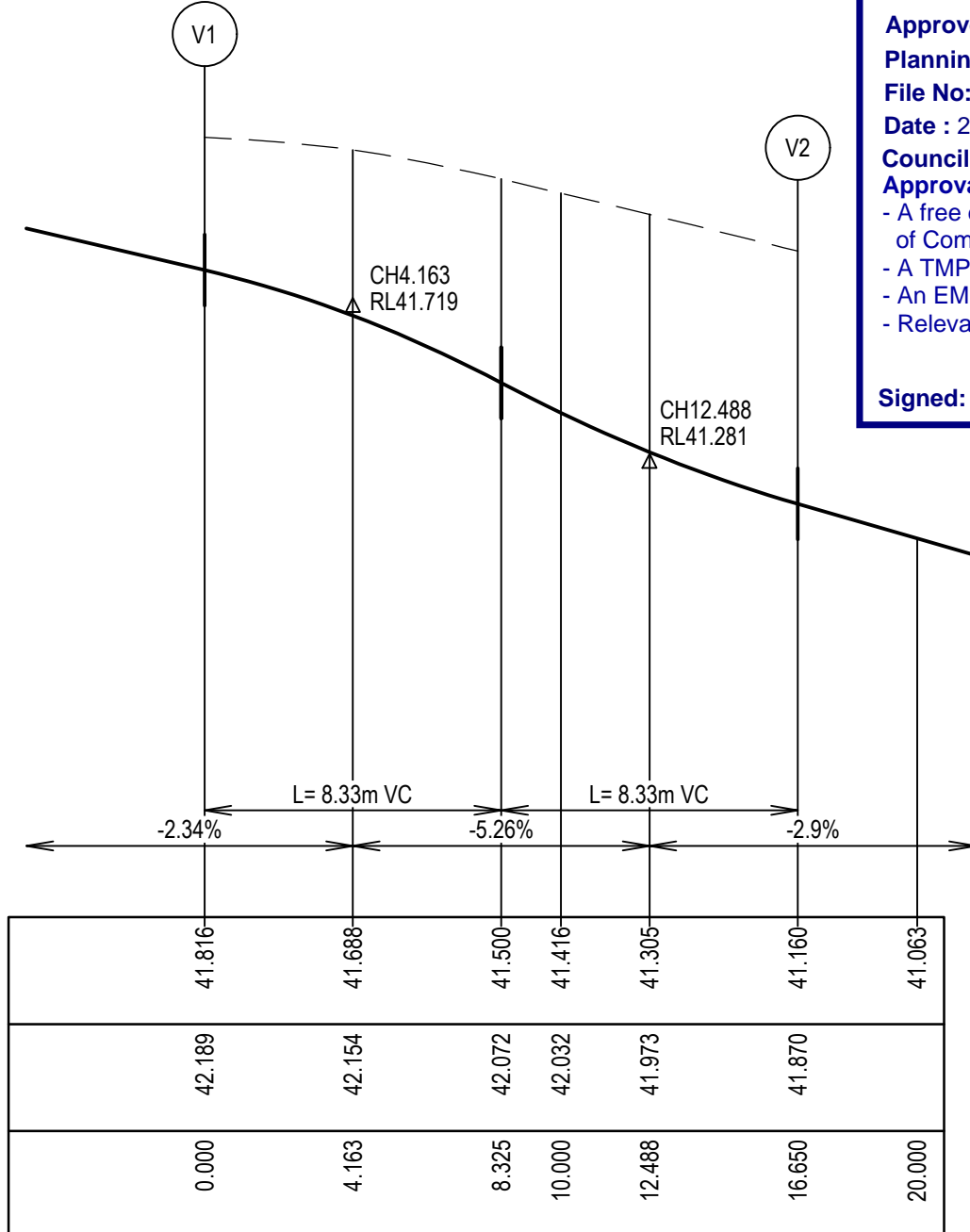


#### ALIGNMENT X

Point no	Easting	Northing	RL
X1	2325.494	213.253	40.142
X2	2317.942	214.188	40.081
X3	2309.769	224.684	39.963
X4	2310.714	232.236	39.953

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
X2 - X3	90.073	9.400	14.777	2.757	2.041	3.600	3.051	3.694	40.000

VERTICAL GEOMETRY  
DATUM RL40  
DESIGN LEVEL  
EXISTING SURFACE  
CHAINAGE



#### ALIGNMENT V

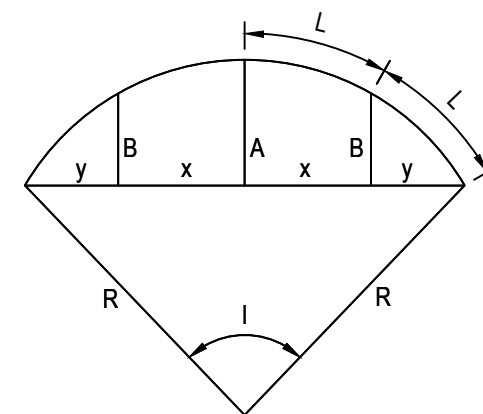
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V1	2334.868	288.359	41.816
V2	2323.035	279.157	41.160

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
V1 - V2	90.000	10.600	16.650	3.105	2.298	4.056	3.439	4.163	41.500

### City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
- A TMP approved prior to commencement of works.  
- An EMP approved prior to commencement of works.  
- Relevant service authorities notification and approval.

Signed: [Signature]



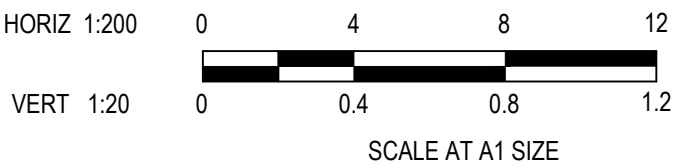
#### LEGEND

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- MELBOURNE WATER DRAIN & PIT
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CONSTRUCTION

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C.DAWSON  
20.09.2022  
Drawn  
M.F. JAURIGUE  
Approved  
Date  
M. FELICIANO  
20.09.2022  
PS Number  
PS902140F



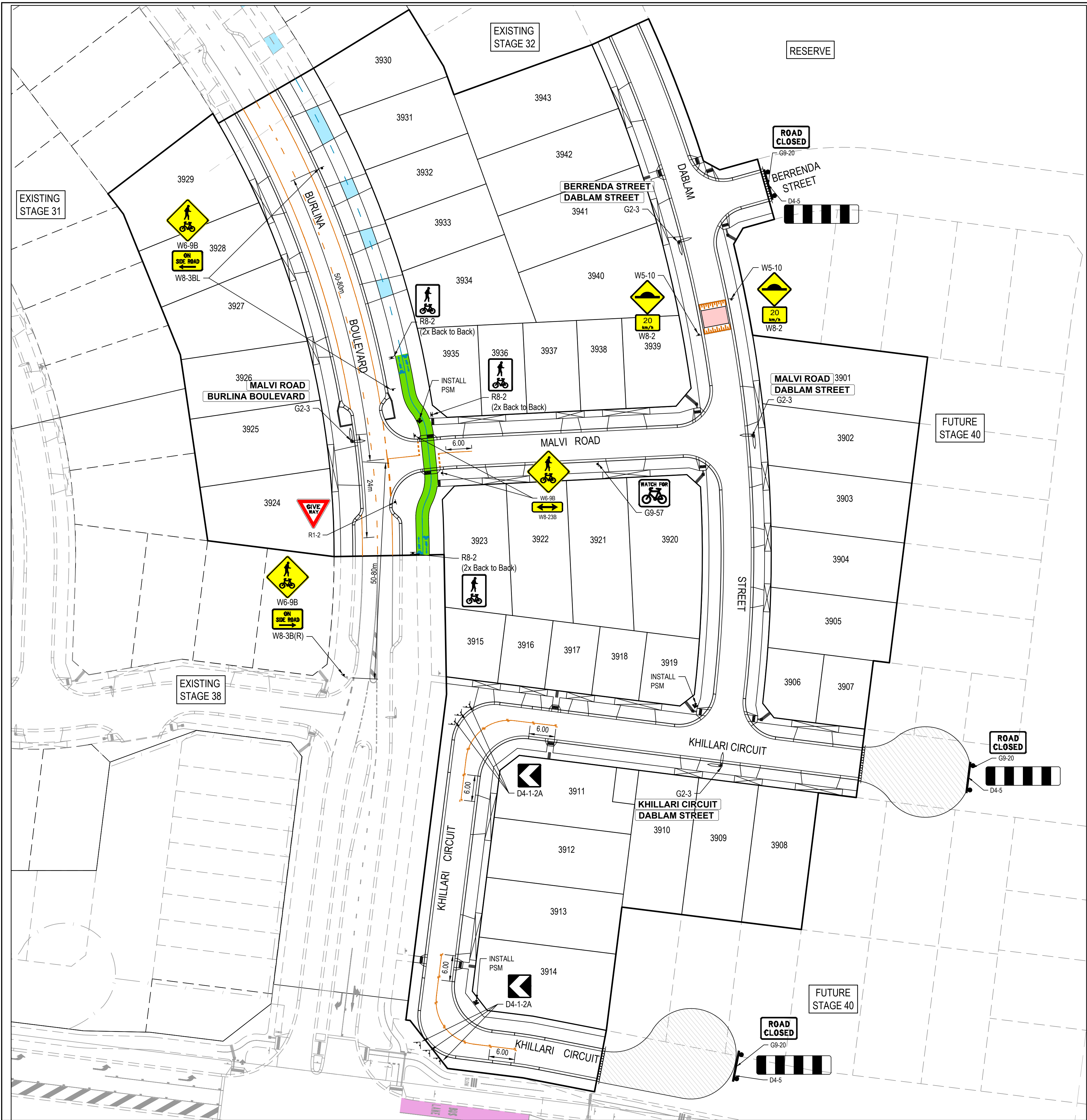
Project  
Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing  
Title  
INTERSECTION DETAILS  
(SHEET 3 OF 3)

Sheet 19 of 24

Scale  
1:200 H 1:20 V @ A1

Project Ref	Stage No	Drawing No	Rev
1801767	39	302	A





City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
- A free draining outfall being available prior to Statement of Compliance.  
- A TMP approved prior to commencement of works.  
- An EMP approved prior to commencement of works.  
- Relevant service authorities notification and approval.

Signed:

LEGEND

GREEN HIGH FRICTION SURFACE TREATMENT

- 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.

TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.4 & VICROADS SUPPLEMENTARY STANDARD TEM Vol 2 Part 2.23
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.

ISSUED FOR CONSTRUCTION

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A	ISSUED FOR CONSTRUCTION	22.12.22	C.D	M.F.					
REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.

0 5 10 20 30 40

SCALE 1:500 AT A1 SIZE

Designed Date  
C.DAWSON  
20.09.2022

Drawn  
M.F. JAURIGUE

Approved Date  
M. FELICIANO  
20.09.2022

PS Number  
PS902140F

**Beveridge Williams**

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

Project Details	MERIDIAN CENTRAL ESTATE STAGE 39 CITY OF CASEY		
Drawing Title	SIGNAGE & LINE MARKING PLANS		

Sheet 20 of 24

Scale  
1:500 @ A1

Project Ref  
1801767

Stage No  
39

Drawing No  
350

Rev  
A



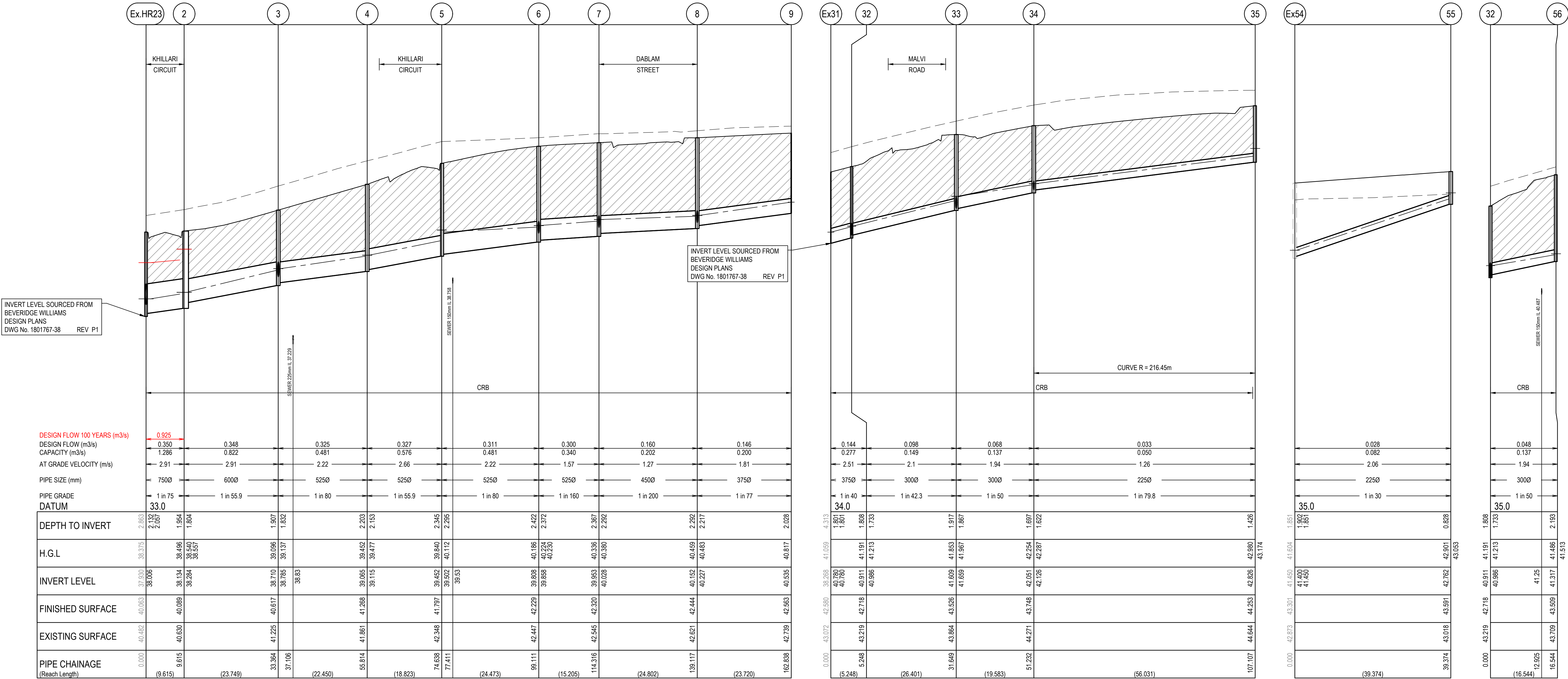
City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
Approval subject to:  
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Signed: [Signature]

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

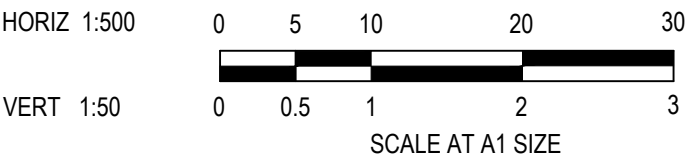
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	22.12.22	C.D.	M.F.					



Designed By: C.DAWSON  
Date: 20.09.2022  
Drawn By: M.F. JAURIGUE  
Approved By: M. FELICIANO  
Date: 20.09.2022  
PS Number: PS902140F



Project Details: MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 3)

Sheet 21 of 24

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

Project Ref	Stage No	Drawing No	Rev
1801767	39	400	A



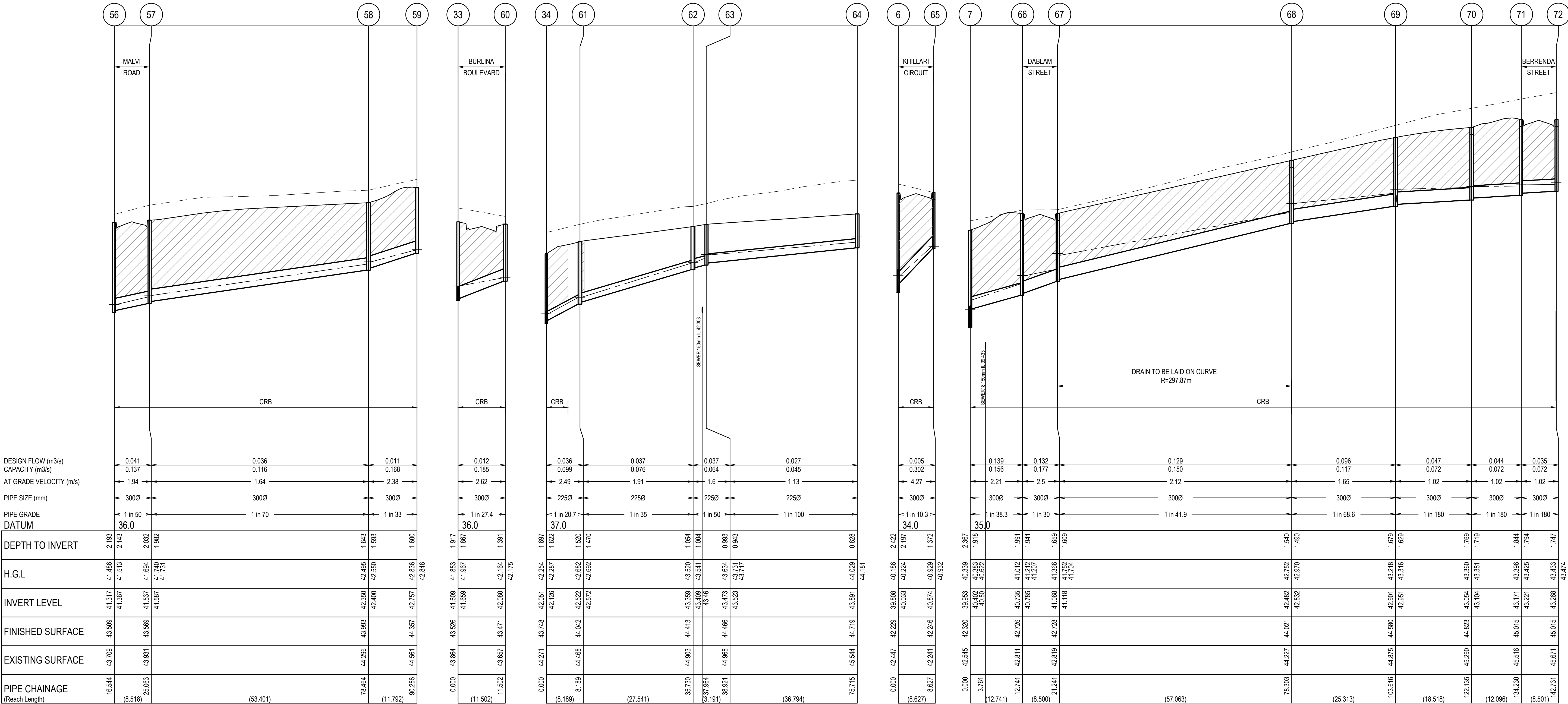
City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
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LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	DRAINAGE PIPE/PIT
	EXISTING DRAINAGE PIPE/PIT
	HYDRAULIC GRADE LINE
	DENOTES 20mm CLASS 3 FCR BACKFILL.



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	22.12.22	C.D.	M.F.					



HORIZ 1:500  
VERT 1:50  
SCALE AT A1 SIZE

Designed  
Date  
C.DAWSON  
20.09.2022  
Drawn  
M.F. JAURIGUE  
Approved  
Date  
M. FELICIANO  
20.09.2022  
PS Number  
PS902140F



Project Details  
MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing Title  
DRAINAGE LONGITUDINAL SECTIONS  
(SHEET 2 OF 3)

Sheet 22 of 24

Scale  
1:500 H 1:50 V @ A1

Project Ref  
1801767  
Stage No  
39  
Drawing No  
401  
Rev  
A






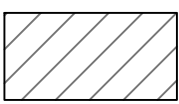


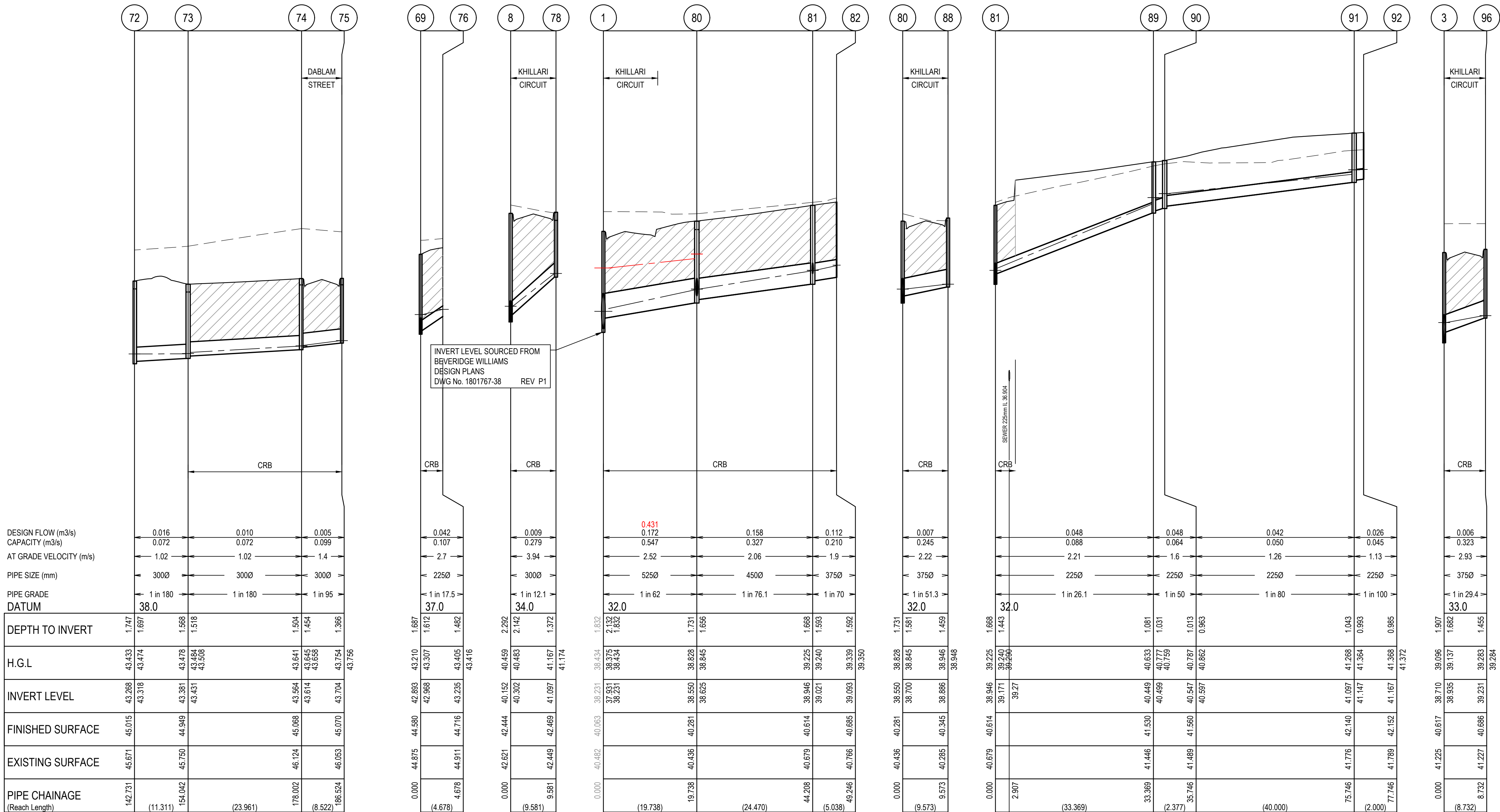
City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
Council Drawing No.: R5924  
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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.





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

LEGEND

DENOTES 20mm CLASS 3 FCR BACKFILL.

City of Casey

Approved By: Ange Dean  
Planning Ref: PA21-0174  
File No: SEng00280/22  
Date : 23/01/2023  
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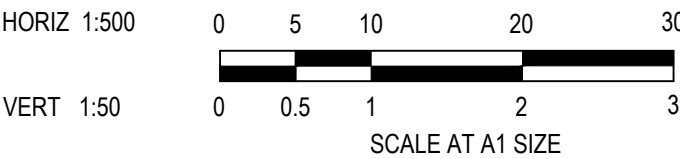
Signed: 

PIT SCHEDULE											
PIT NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		STD DWG	REMARKS
		WIDTH	LENGTH	DIA	INV.LEV	DIA	INV.LEV	SETOUT RL	DEPTH		
Ex.HR23	DOUBLE GRATED ENTRY PIT	600 (T)	900 (T)	750	38.006	825	37.2	40.063	2.132	EDCM 602 & 607	CONSTRUCT PIT AT EXISTING END PIPE
		600 (B)	1800 (B)	525	38.231						HAUNCHED PIT T O 600 X 900 COVER
2	DOUBLE GRATED ENTRY PIT	600 (T)	900 (T)	600	38.284	750	38.134	40.089	1.954	EDCM 602 & 607	HAUNCHED PIT T O 600 X 900 COVER
		900 (B)	1200 (B)								
3	GRATED ENTRY PIT	600 (T)	900 (T)	525	38.785	600	38.71	40.617	1.907	EDCM 601 & 607	HAUNCHED PIT T O 600 X 900 COVER
		900 (B)	900 (B)	375	38.935						
4	GRATED ENTRY PIT	600 (T)	900 (T)	525	39.115	525	39.065	41.268	2.203	EDCM 601 & 607	HAUNCHED PIT T O 600 X 900 COVER
		750 (B)	900 (B)								
5	GRATED ENTRY PIT	600 (T)	900 (T)	525	39.502	525	39.452	41.797	2.345	EDCM 601 & 607	HAUNCHED PIT T O 600 X 900 COVER
		750 (B)	900 (B)								
6	GRATED ENTRY PIT	600 (T)	900 (T)	525	39.858	525	39.808	42.229	2.422	EDCM 601 & 607	HAUNCHED PIT T O 600 X 900 COVER
		900 (B)	900 (B)	300	40.033						
7	GRATED ENTRY PIT	600 (T)	900 (T)	450	40.028	525	39.953	42.32	2.367	EDCM 601 & 607	HAUNCHED PIT T O 600 X 900 COVER
		750 (B)	900 (B)	300	40.402						
8	GRATED ENTRY PIT	600	900								
				300	40.227	450	40.152	42.444	2.292	EDCM 601 & 607	
9	END OF LINE										
				300	40.302						
Ex.31	END OF LINE										
				375	40.78						
32	JUNCTION PIT	600	900								
				300	40.986	375	40.911	42.718	1.808	EDCM 605	
33	GRATED PIT	600	900								
				300	40.986						
34	JUNCTION PIT	600	900								
				300	41.659	300	41.609	43.526	1.917	EDCM 605	
35	JUNCTION PIT	600	900								
				300	41.659						
Ex. 54	JUNCTION PIT	600	900								
				225	42.126	300	42.051	43.748	1.697	EDCM 605	
55	JUNCTION PIT	600	900								
				225	42.126						
56	DOUBLE GRATED ENTRY PIT	600	900								
				225	41.45						
57	DOUBLE GRATED ENTRY PIT	600	900								
				225	41.45						
58	GRATED ENTRY PIT	600	900								
				300	41.367	300	41.317	43.509	2.193	EDCM 602 & 605	
59	GRATED ENTRY PIT	600	900								
				300	41.587	300	41.537	43.569	2.032	EDCM 602 & 605	
60	GRATED PIT	600	900								
				300	42.4	300	42.35	43.993	1.643	EDCM 601 & 605	
61	JUNCTION PIT	600	900								
				300	42.757	300	42.757	44.357	1.600	EDCM 601 & 605	
62	JUNCTION PIT	600	900								
				300	42.08	300	42.08	43.471	1.391	EDCM 605	
63	JUNCTION PIT	600	900								
				225	42.572	225	42.522	44.042	1.520	EDCM 605	
64	JUNCTION PIT	600	900								
				225	43.409	225	43.359	44.413	1.054	EDCM 605	
65	GRATED ENTRY PIT	600	900								
				225	43.523	225	43.473	44.466	0.993	EDCM 605	
66	GRATED ENTRY PIT	600	900								
				225	43.891	225	43.891	44.719	0.828	EDCM 605	
67	GRATED ENTRY PIT	600	900								
				300	40.874	300	40.874	42.246	1.372	EDCM 601 & 605	HOUSE DRAIN TO BE CONSTRUCTED AT IL 41.074 AND GRADED @ 1 IN 60 TO CORNER OF SUBSTATION SITE. ENSURE VERTICAL CLEARANCES TO HV AND LV ARE MET.
68	GRATED ENTRY PIT	600	900								
				300	40.785	300	40.735	42.726	1.991	EDCM 601 & 605	
69	JUNCTION PIT	600	900								
				300	41.118	300	41.068	42.728	1.659	EDCM 601 & 605	
70	GRATED ENTRY PIT	600	900								
				300	42.532	300	42.482	44.021	1.540	EDCM 601 & 605	
71	GRATED ENTRY PIT	600	900								
				300	42.951	300	42.901	44.58	1.679	EDCM 605	
72	GRATED ENTRY PIT	600	900								
				225	42.976						
73	GRATED ENTRY PIT	600	900								
				300	43.104	300	43.054	44.823	1.769	EDCM 601 & 605	
74	GRATED ENTRY PIT	600	900								
				300	43.221	300	43.171	45.015	1.844	EDCM 601 & 605	
75	GRATED ENTRY PIT	600	900								
				300	43.318	300	43.268	45.015	1.747	EDCM 601 & 605	
76	END OF LINE	600	900								
				300	43.431	300	43.381	44.949	1.568	EDCM 601 & 605	
77	GRATED ENTRY PIT	600	900								
				300	43.614	300	43.564	45.068	1.504	EDCM 601 & 605	
78	GRATED ENTRY PIT	600	900								
				300	43.704	300	43.704	45.07	1.366	EDCM 601 & 605	
79	END OF LINE	600	900								
				225	43.235	225	43.235	44.716	1.482		CAP END FOR FUTURE EXTENSION
80	DOUBLE GRATED ENTRY PIT	750	900								
				300	41.097	300	41.097	42.469	1.372	EDCM 601 & 605	
81	JUNCTION PIT	750	900								
				450	38.625	525	38.55	40.281	1.731	EDCM 602 & 607	HAUNCH PIT TO 600 X 900 COVER
82	END OF LINE										
				375	38.7						
83	JUNCTION PIT	750	900								
				225	39.021	450	38.946	40.614	1.668	EDCM 605 & 607	HAUNCH PIT TO 600 X 900 COVER
84	END OF LINE										
				225	39.171						
85	DOUBLE GRATED ENTRY PIT	600	900								
				375	39.093	375	39.093	40.685	1.592		CAP END FOR FUTURE EXTENSION
86	JUNCTION PIT	600	900								
				375	38.886	375	38.886	40.345	1.459	EDCM 602 & 605	
87	JUNCTION PIT	600	900								
				225	40.499	225	40.449	41.53	1.081	EDCM 605	
88	JUNCTION PIT	600	900								
				225	40.597	225	40.547	41.56	1.013	EDCM 605	
89	JUNCTION PIT	600	900								
				225	41.147	225	41.097	42.14	1.043	EDCM 605	
90	END OF LINE										
				225	41.167	225	41.167	42.152	0.985		CAP END FOR FUTURE EXTENSION
91	GRATED ENTRY PIT	600	900								
				375	39.231	375	39.231	40.686	1.455	EDCM 601	

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Designed Date C.DAWSON 20.09.2022  
Drawn M.F. JAURIGUE  
Approved Date M. FELICIANO 20.09.2022  
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Project Details MERIDIAN CENTRAL ESTATE  
STAGE 39  
CITY OF CASEY  
Drawing Title DRAINAGE PIT SCHEDULE

Sheet 24 of 24

Scale 1:500 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
1801767	39	403	A