

MERIDAN CENTRAL ESTATE - STAGE 43

BROWNS PROPERTY PTY. LTD.

CITY OF CASEY

CONSTRUCTION NOTES

SITE MANAGEMENT

- A1. Prior to commencement of works on site, the contractor must ensure that all matters relating to the Occupational Health & Safety Act 2004, including all relevant regulations, have been addressed. In particular, the required notifications must be conveyed to the Victorian Workcover Authority - Health & Safety division with respect to trenching operations. Details of the contractors occupational health & safety procedures must be lodged with the superintendent prior to commencement of works.
- A2. All native trees & shrubs to be retained unless road construction necessitates their removal or removal is directed by the engineer. A town planning permit is required for the removal of native trees & / or vegetation. The removal or retention of any existing trees must be in accordance with the approved landscape plan, or else approval will be required from the City of Casey landscape approvals officer.
- A3. Existing dam or watercourses to be excavated to a firm base & backfilled as specified. Consulting engineer to be notified when the dam or watercourses are excavated to a firm base. No filling is to be placed prior to dams being inspected & levels taken. Backfilling is to be carried out to the satisfaction of the Council supervising engineer.
- A4. Prior to commencement of works, the contractor must submit a Site Management Plan (SMP) to the consultant for approval. The contractor must comply with the recommendations of the Environment Protection Authority publication No 275 "Construction techniques for sediment pollution control". Appropriate siltation control is to be maintained throughout the construction & maintenance period of the works.
- A5. Provide temporary safety barrier fence (Farm Fence as per MW Std Dwg 7251/4/203) along extent of outfall drain where the drain is greater than 1.5m in depth & side slopes are steeper than 1 in 3. Safety fence to remain until permanent underground drainage is installed.
- A6. Contractor to remove existing irrigation & drainage pipes & pits encountered on site. Trenches to be backfilled in accordance with notes C2 & C3.
- A7. An environmental management plan (EMP) must be submitted to and approved by Council prior to the commencement of any works on site and all works must be carried out in accordance with this EMP.
- A8. A traffic management plan (TMP) must be submitted to, and approved by Council prior to the commencement of any works on site and all traffic management must be carried out in accordance with this TMP.

GENERAL

- B1. All works to be carried out in accordance with AS2124-1992 general conditions of contract & the City of Casey and EDCM current specification & standard drawings & to the satisfaction of the City of Casey works supervisor.
- B2. Council to be notified two (2) clear days prior to commencement of works.
- B3. Before commencement of works on trenches in excess of 1.5m deep, the civil contractors construction supervisor must give notice in writing of such proposals to Worksafe Victoria in accordance with Part 5.1, Division 4 of the Occupational Health & Safety regulations (2007) & undertake safety precautions in trenching operations in accordance with Workcover's code of practice (1988).
- B4. Lots to be graded (1 in 150 min slope) & left clean to the satisfaction of the engineer. Finished levels to be compatible with lots adjoining this stage.
- B5. On completion the contractor is responsible for the removal of all rubbish & spoil from site. No surplus trees, vegetation or other material is to be burnt on site.
- B6. Reserves to be free draining & to be left in a condition satisfactory to the City of Casey works supervisor.
- B7. Where works are in the vicinity of existing services these services are to be located & the various authorities notified prior to the commencement of works.
- B8. All TBM's & control points are to be maintained & protected at all times during construction. Should any marks be disturbed, the contractor will immediately notify the consultant to arrange re-instatement at the contractors expense.
- B9. Provide painted paling fence along any boundary common to lots & municipal reserves as per Council Std. Dwg. S-706. Paling to be on the reserve side.
- B10. As constructed plans and electronic asset information in D-Spec and R-Spec format must be submitted to Council prior to practical completion.
- B11. Temporary crushed rock turn around areas must be maintained in a safe and sound condition so that vehicles are able to use them at all times.

ROADWORKS

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

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

DRAINAGE

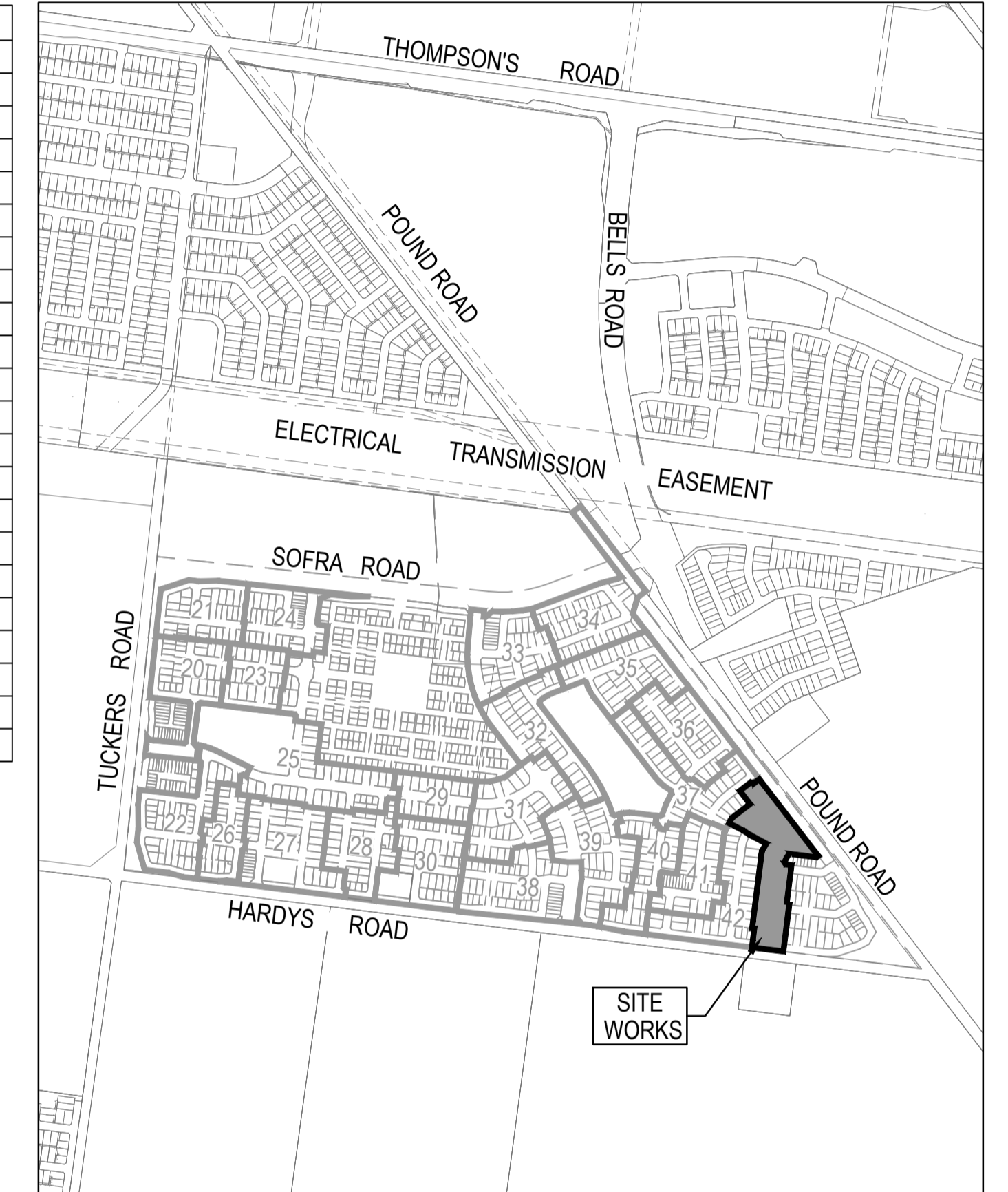
- D1. Drainage & pits to be set out from offsets shown rather than from centreline pipe chainages. Centreline of pits at TP's to be offset 1.00m.
- D2. Terra Firma or fibreglass type pit lids are required for all drainage pits & all grates for pits are to be Class D, to comply with AS3996 unless otherwise shown. All drainage works are to be constructed to council specifications.
- D3. All pipes up to and including 750mm in diameter shall be rubber ring jointed (RRJ). Pipes above this size may be flush jointed with external sealing bands. For pipes greater than 900mm and changes in direction between 2 connecting pipes exceeding 10° construct segmental curves using splayed pipes with bandage joints, having deflections within the manufacturer's specification.
- D4. All pipes to be Class 'Z' R.C. rubber ring joint unless noted otherwise. PVC pipes to be Class SH unless specified.
- D5. Pipe trenches beneath the road pavement, footpath or within 150mm of the kerb & channel to be backfilled with 20mm Class 3 FCR in 150mm layers.
- D6. Property inlets to be constructed as per MPA standard drawing EDCM 701 – EDCM 704.
- D7. All proposed drainage stubs to be blanked off at end of pipe with timber planks to the satisfaction of the supervising engineer.
- D8. A CCTV report must be provided for all drainage lines prior to issue of practical completion.

PAVEMENT

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

DRAWING INDEX

DRAWING No.	TITLE	REVISION
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1801767-43-010	LAYOUT PLAN (SHEET 2 OF 2)	A
1801767-43-100	ROAD LONGITUDINAL SECTIONS ALAMBADI CIRCUIT (SHEET 1 OF 2)	A
1801767-43-101	ROAD LONGITUDINAL SECTIONS ALAMBADI CIRCUIT (SHEET 2 OF 2) & RETAINING WALL	A
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1801767-43-103	ROAD LONGITUDINAL SECTIONS HERENS ROAD	A
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1801767-43-302	INTERSECTION DETAILS (SHEET 3 OF 3)	A
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1801767-43-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)	A
1801767-43-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 2)	A
1801767-43-402	PIT SCHEDULE	A



SITE PLAN

NOT TO SCALE
MELWAY REF: 135 G4

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

ISSUED FOR CONSTRUCTION

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	DRAWING INDEX UPDATED	13.04.23	MF	MF					
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



Designed	C.DAWSON
Date	20.12.2022
Drawn	C.DAWSON
Checked	M.FELICIANO
Date	22.12.2022
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	23.12.2022
PS Number	PS908399D

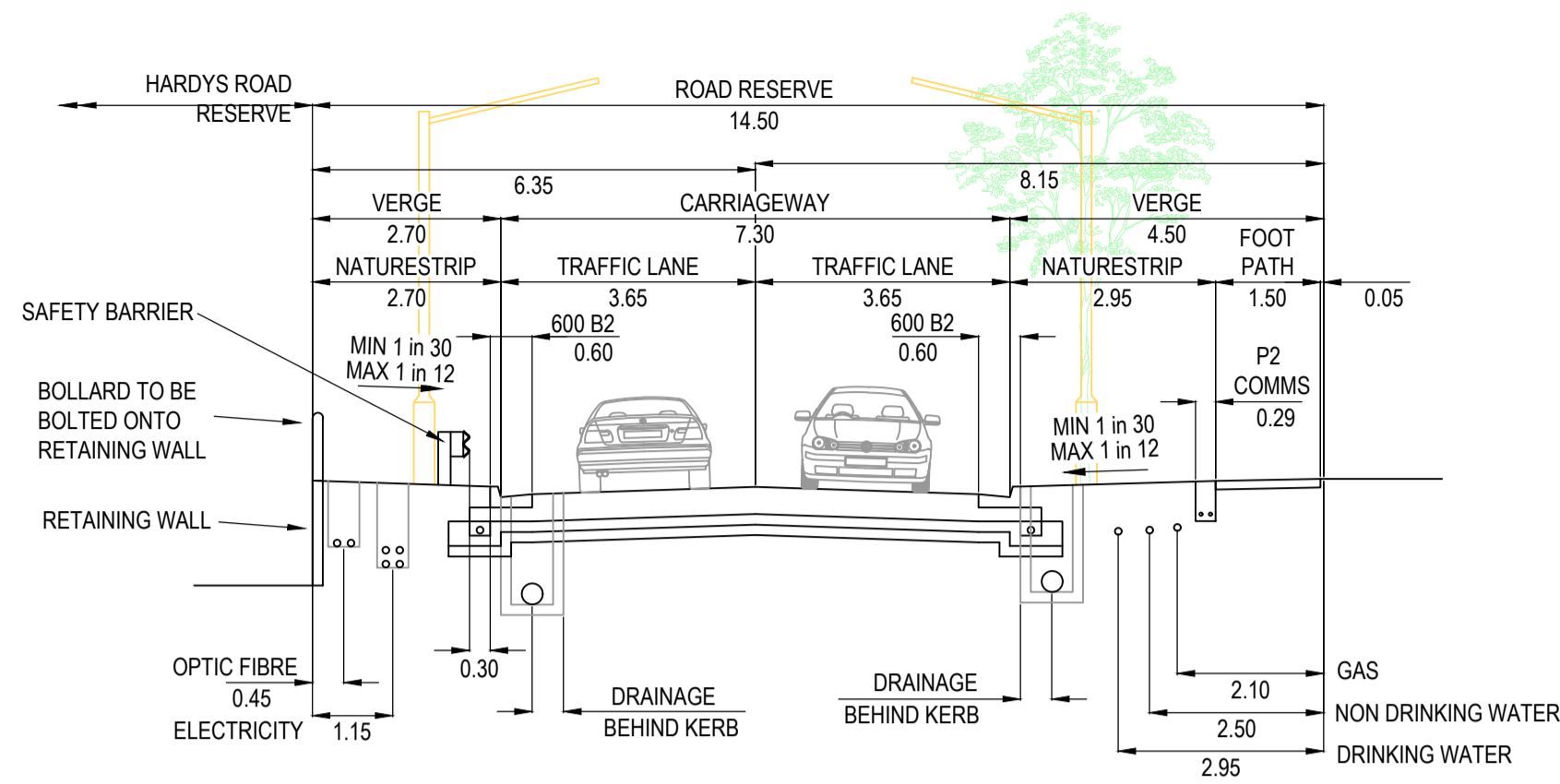
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Project Details	MERIDIAN CENTRAL ESTATE STAGE 43 CITY OF CASEY
Drawing Title	COVER SHEET

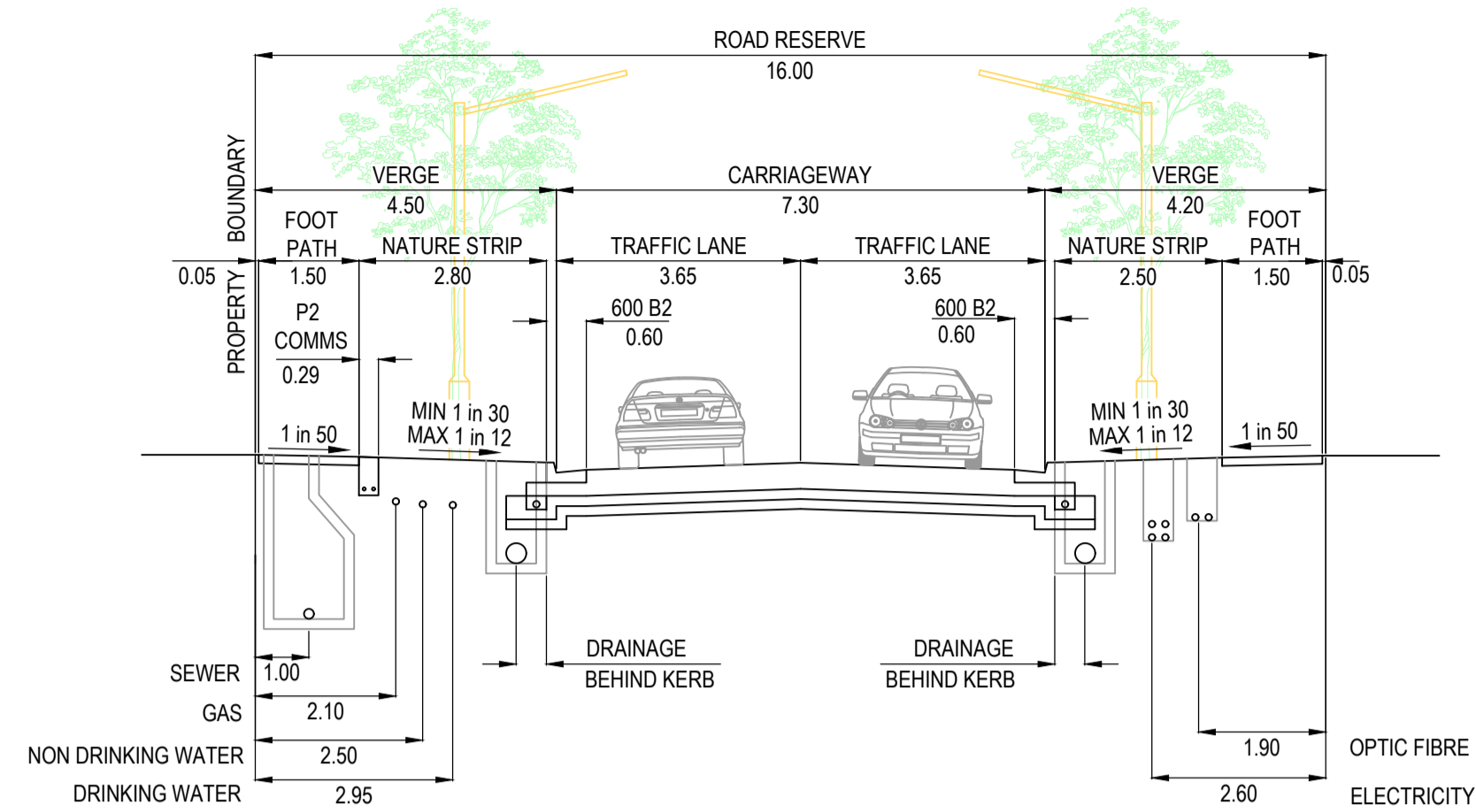
Sheet 01 of 22

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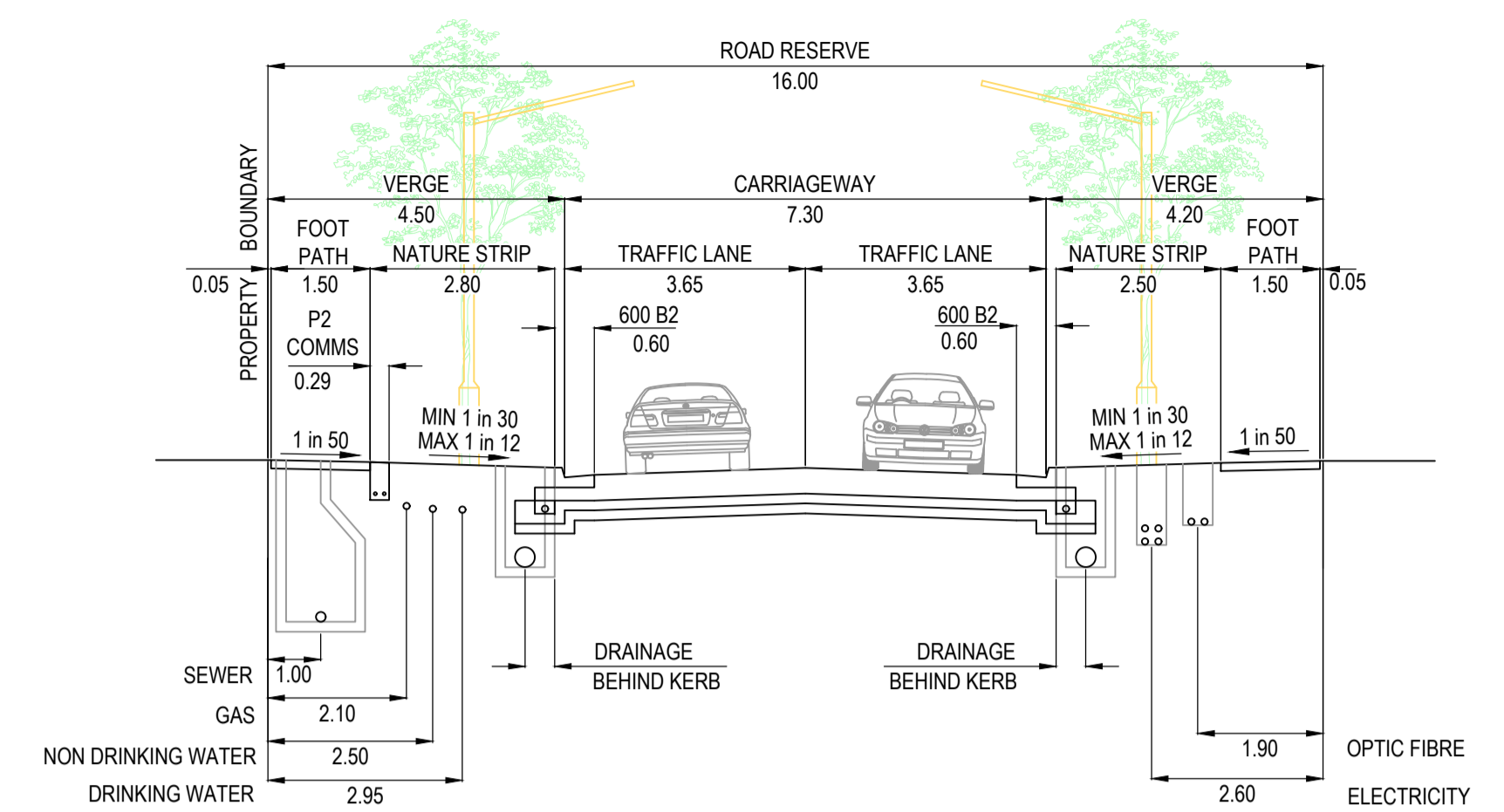
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1801767	43	001	B



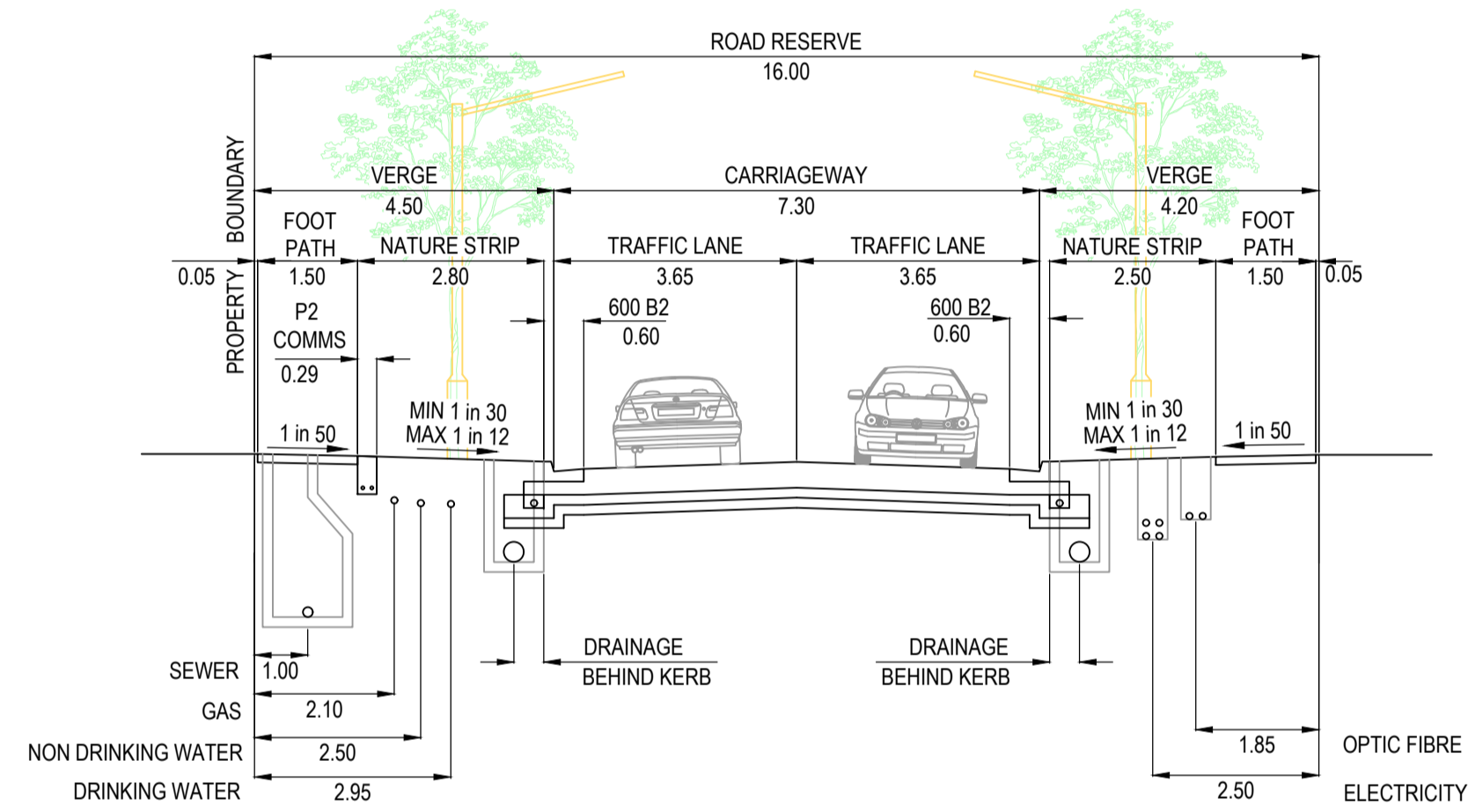
14.5m ROAD RESERVE
ALAMBADI CIRCUIT (LOTS 4301 - 4340)
SCALE 1:100



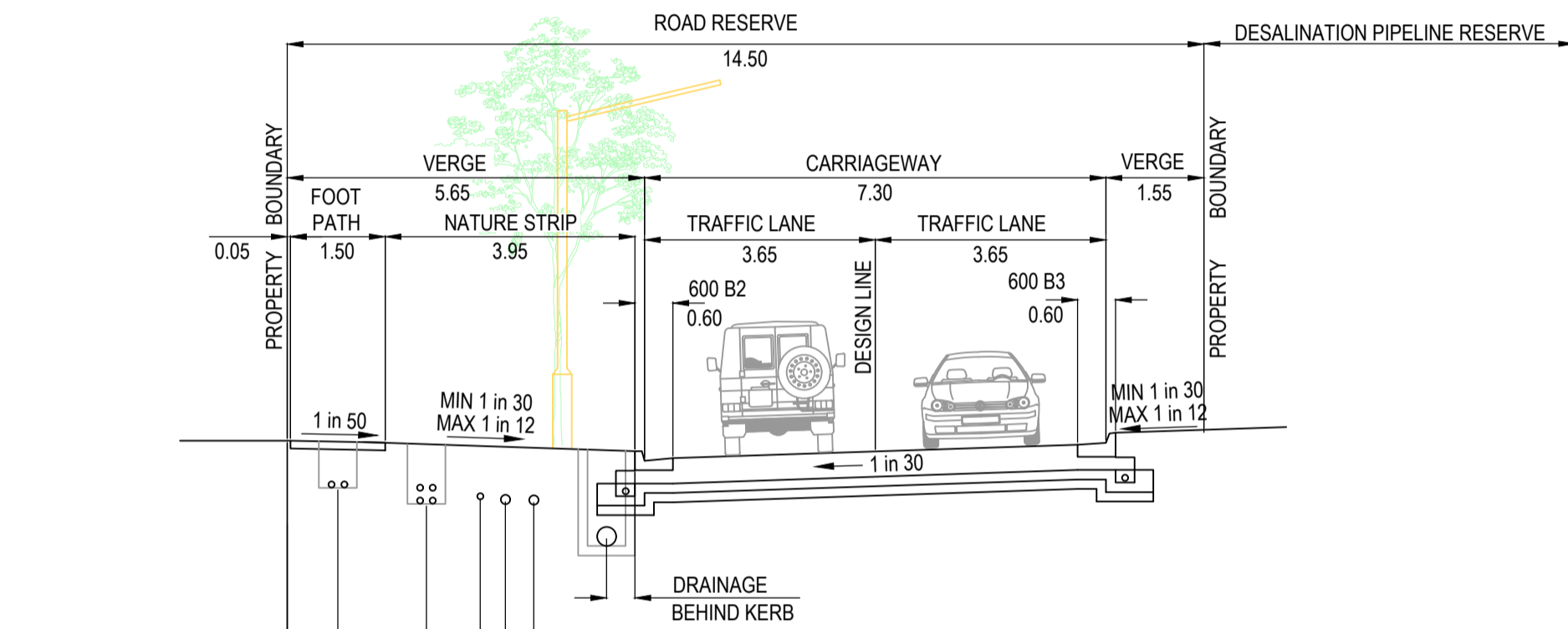
16.0m ROAD RESERVE
HERENS ROAD
SCALE 1:100



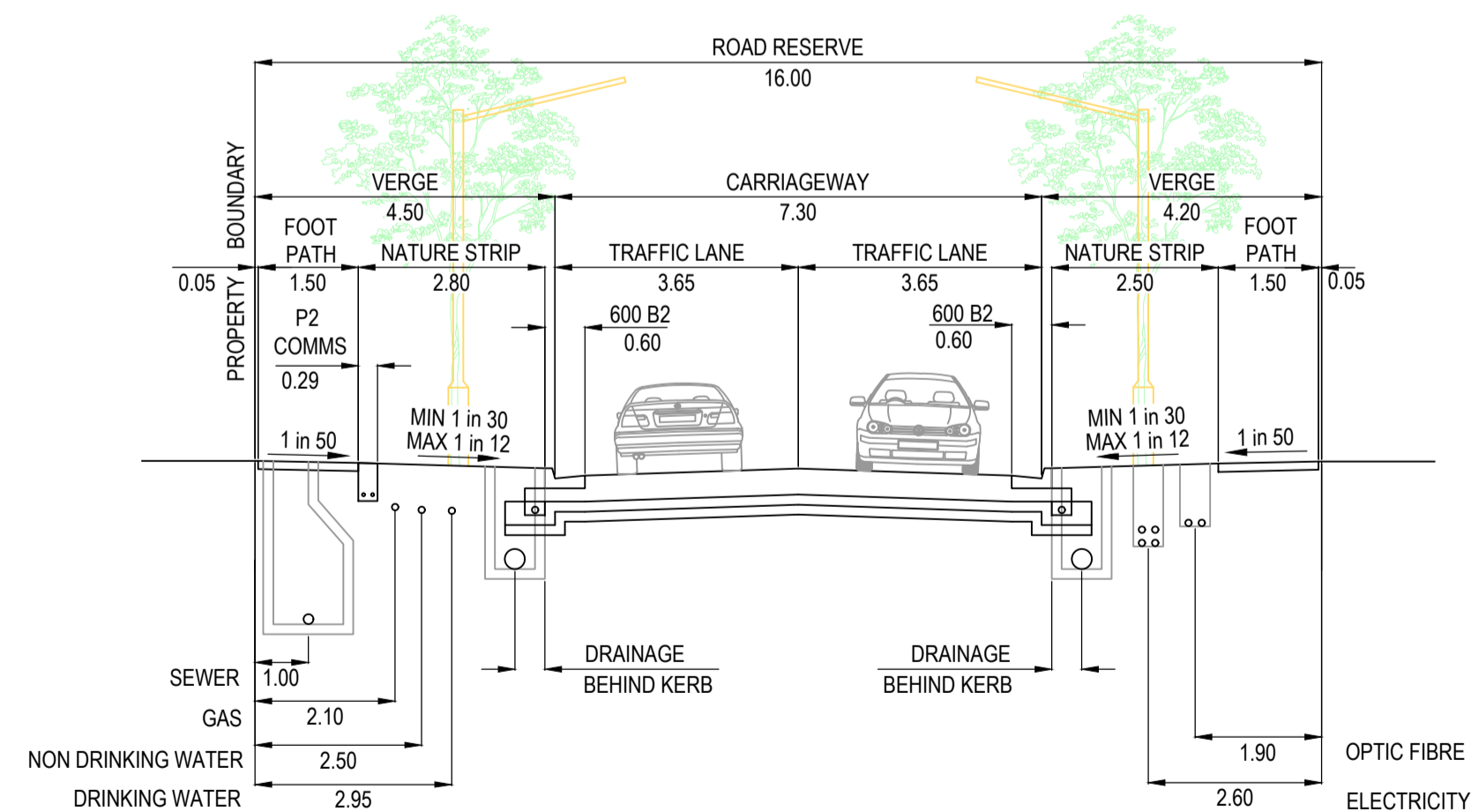
16.0m ROAD RESERVE
CARORA CIRCUIT
SCALE 1:100



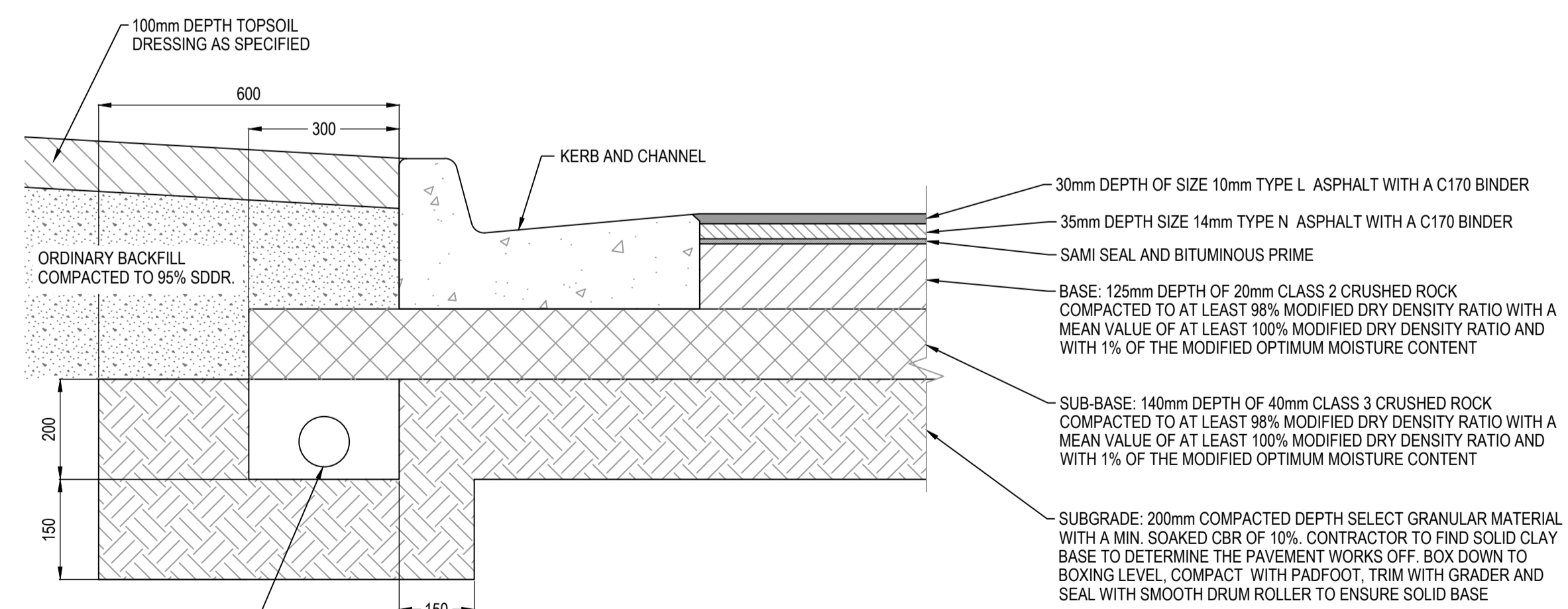
16.0m ROAD RESERVE
ALAMBADI CIRCUIT (LOT 4331)
SCALE 1:100



14.50m ROAD RESERVE
CARORA CIRCUIT (LOTS 4316 - 4329)
SCALE 1:100



16.0m ROAD RESERVE
ALAMBADI CIRCUIT (LOTS 4323 - 4325)
SCALE 1:100



PAVEMENT COMPOSITION
CARORA CIRCUIT, ALAMBADI CIRCUIT & HERENS ROAD
530mm DEPTH
N.T.S.

REFER STANDARD DRAWING
EDCM 202 FOR DETAILS.

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CONSTRUCTION

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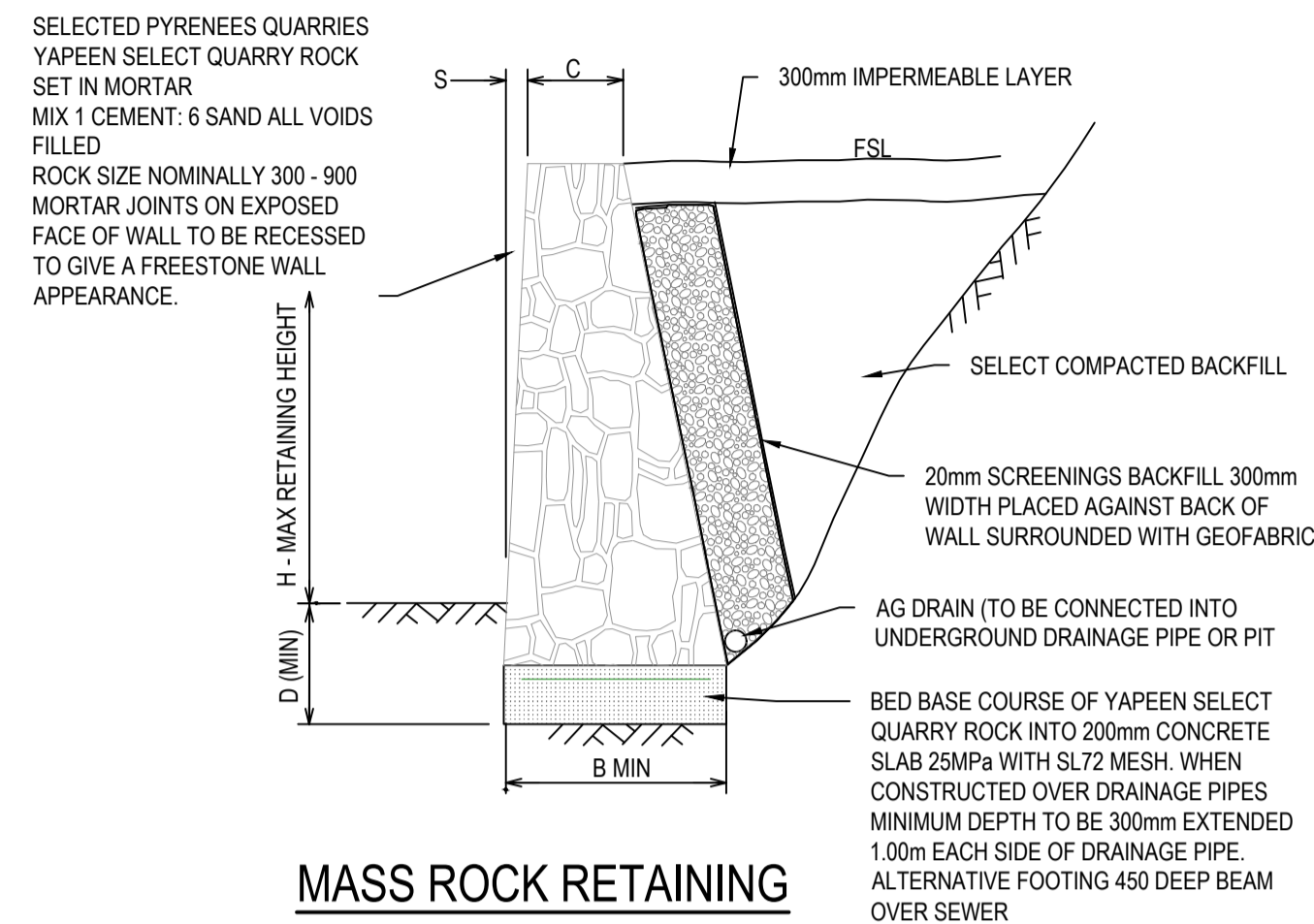
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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY
Drawing Title
TYPICAL ROAD CROSS SECTIONS
& PAVEMENT MAKEUP

Sheet 02 of 22

Scale
AS SHOWN

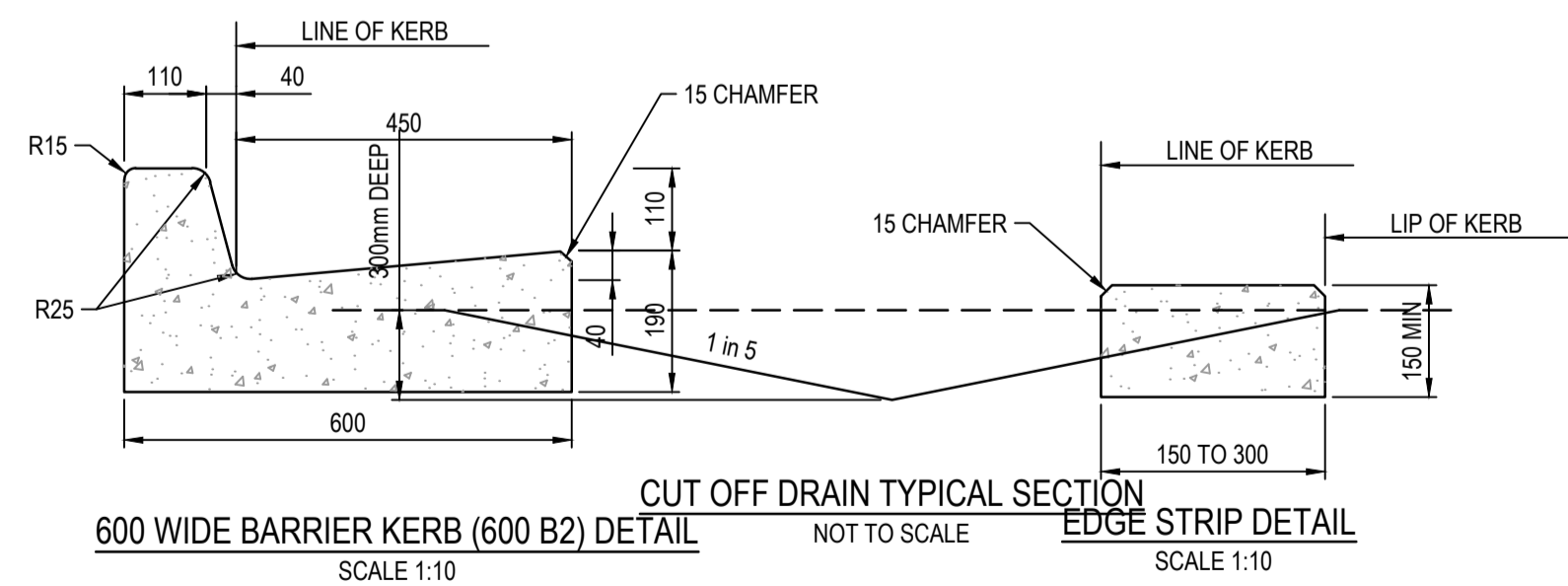
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1801767	43	002	A



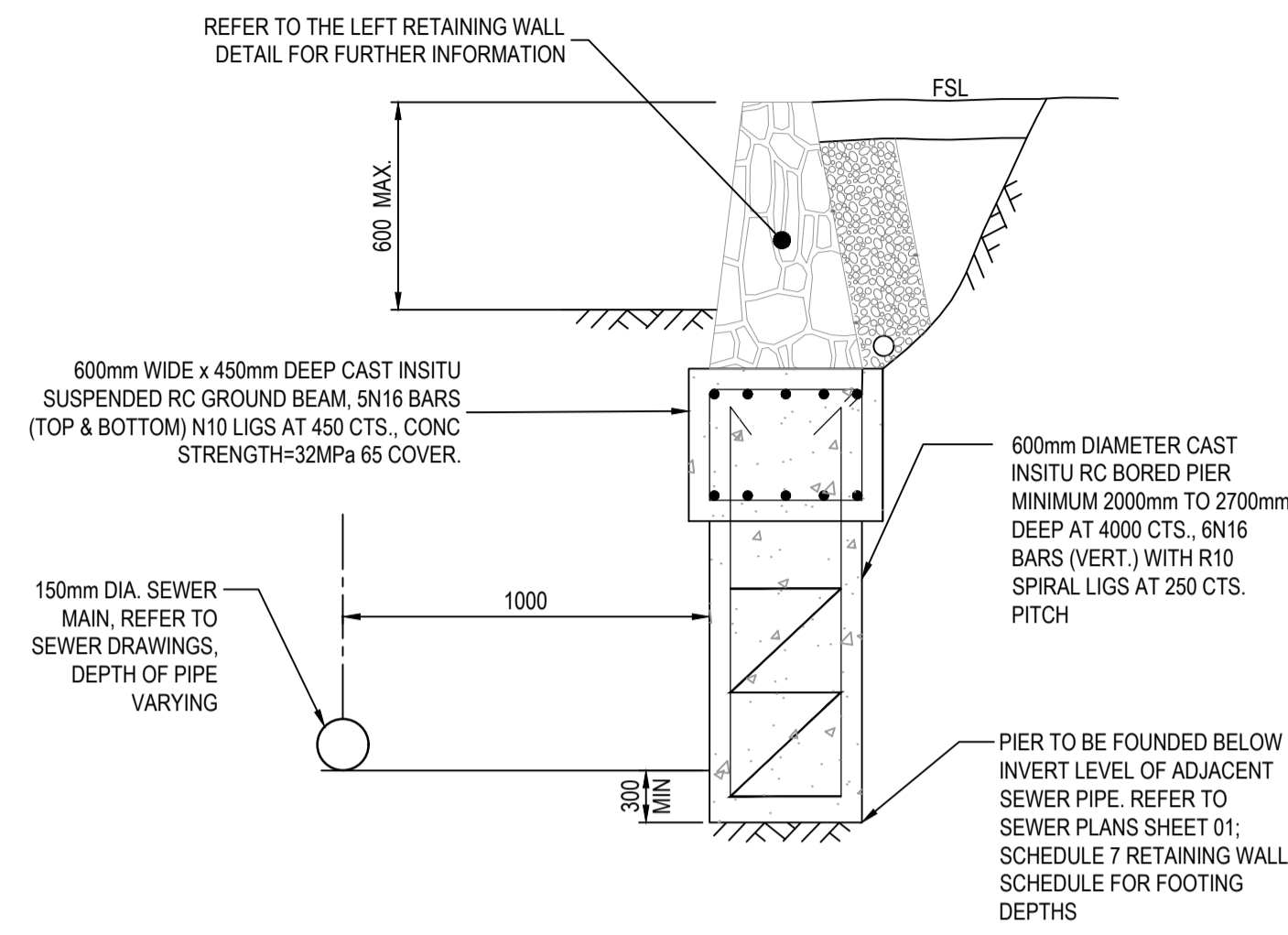
MASS ROCK RETAINING WALL DETAIL (TYPE RR)
NTS

MASS ROCK RETAINING WALL SCHEDULE				
MAX WALL HEIGHT-H(mm)	FOUNDING DEPTH-D(mm)	BASE WIDTH-B(mm)	FRONT FACE SETBACK-S (mm)	CREST WIDTH-C(mm)
400	400	450	15	300
500	400	500	15	300
600	400	500	30	300
800	400	600	30	300
1000	400	700	30	300

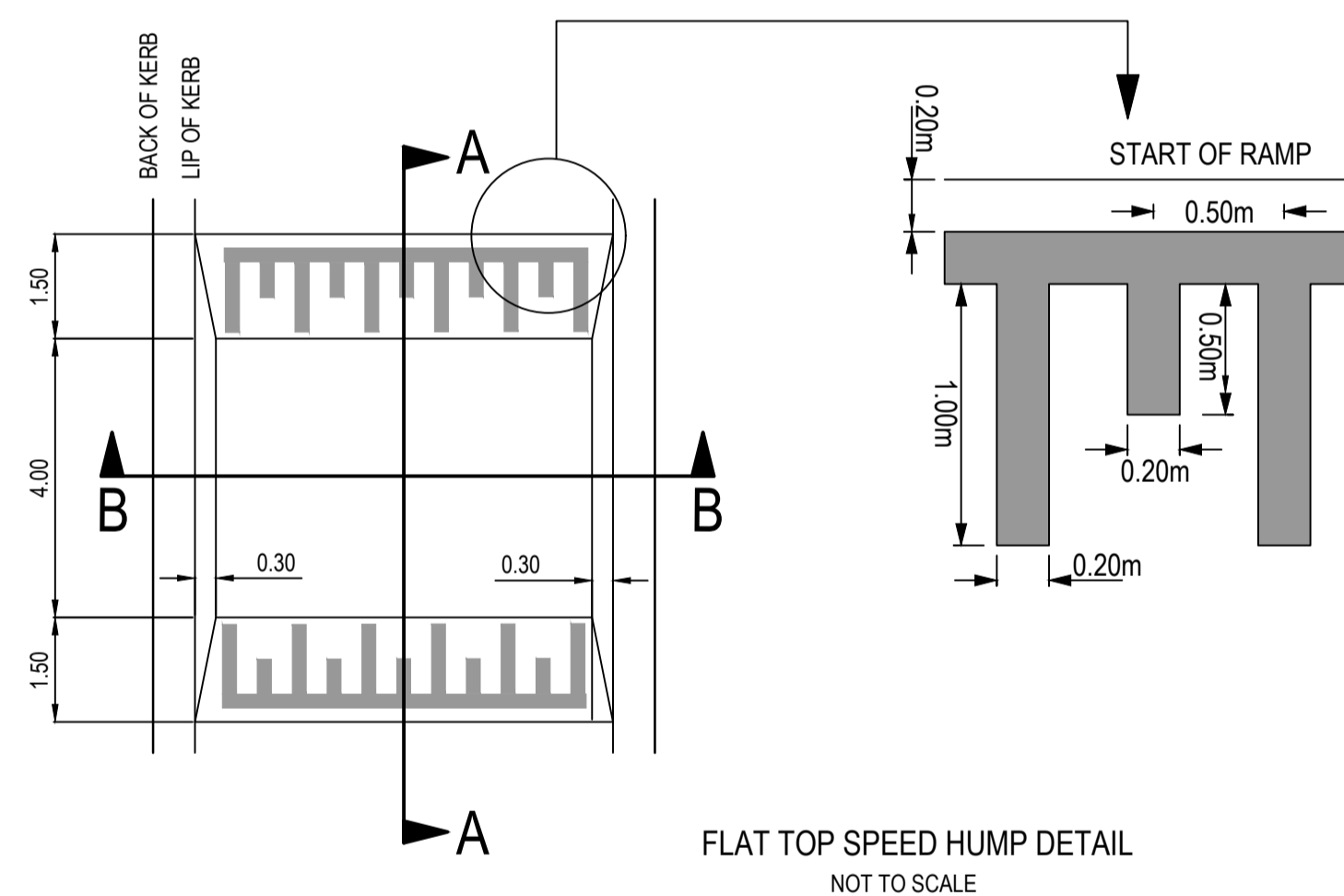
- RETAINING WALL NOTE R.1
a. WHERE FOOTPATH ABUTS RETAINING WALL CONTINUE CONCRETE UP TO BASE OF RETAINING WALL.
- FOUNDING NOTE F.2
a. TOE OF WALL SHALL PENETRATE THROUGH ANY FILL MATERIAL & THE NATURAL SILT SOILS TO BE FOUNDED AT LEAST 100mm INTO THIS UNDERLYING NATURAL STILL CLAY OR WEATHERED ROCK.
ALL EXCAVATIONS SHALL HAVE FOUNDING DEPTHS AND BEARING CAPACITY APPROVED BY THE ENGINEER OR BUILDING SURVEYOR BEFORE CONCRETE IS PLACED.
FOOTING EXCAVATIONS WHICH ARE DEEPEEN TO PENETRATE THROUGH UNSUITABLE SOILS SHALL BE BACKFILLED UP TO UNDERSIDE OF FOOTINGS WITH 15 MPa BLINDING CONCRETE.
b. ALL EXCAVATION FOUNDING SURFACES SHALL BE LEVEL (NOT INCLINED) CLEAN CUT & FREE OF MUD OR WATER.
c. ALL SEEPAGE INFLOW SHALL BE REMOVED BEFORE PLACEMENT OF CONCRETE.
d. FOOTINGS SHALL BE FOUNDED IN STIFF NATURAL CLAY HAVING A SAFE BEARING CAPACITY OF 150kPa.



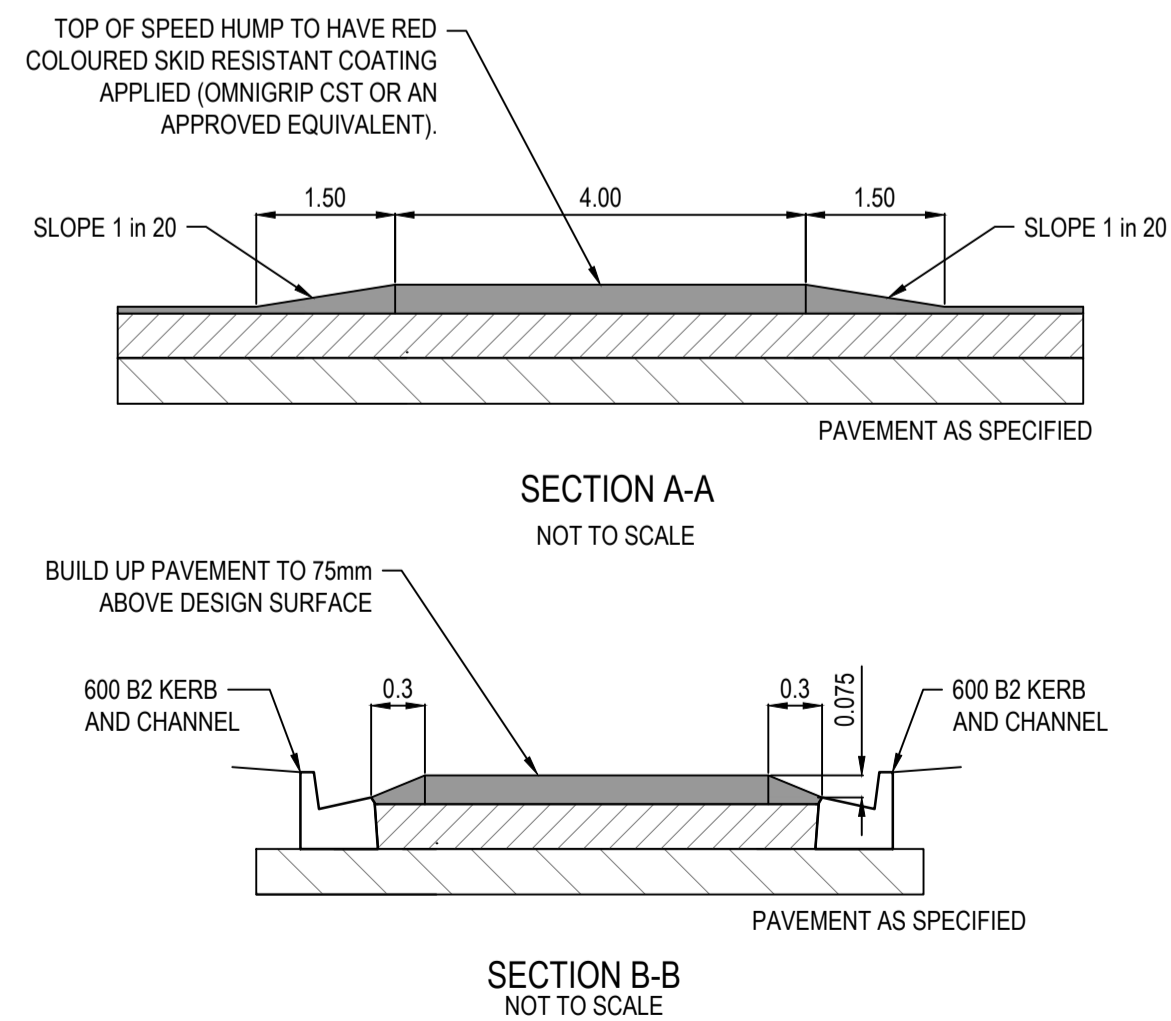
600 WIDE BARRIER KERB (600 B2) DETAIL
SCALE 1:10



MASS ROCK RETAINING WALL FOOTING DETAIL PARALLEL WITH SEWER MAIN (MAX. 600mm HEIGHT)
NTS

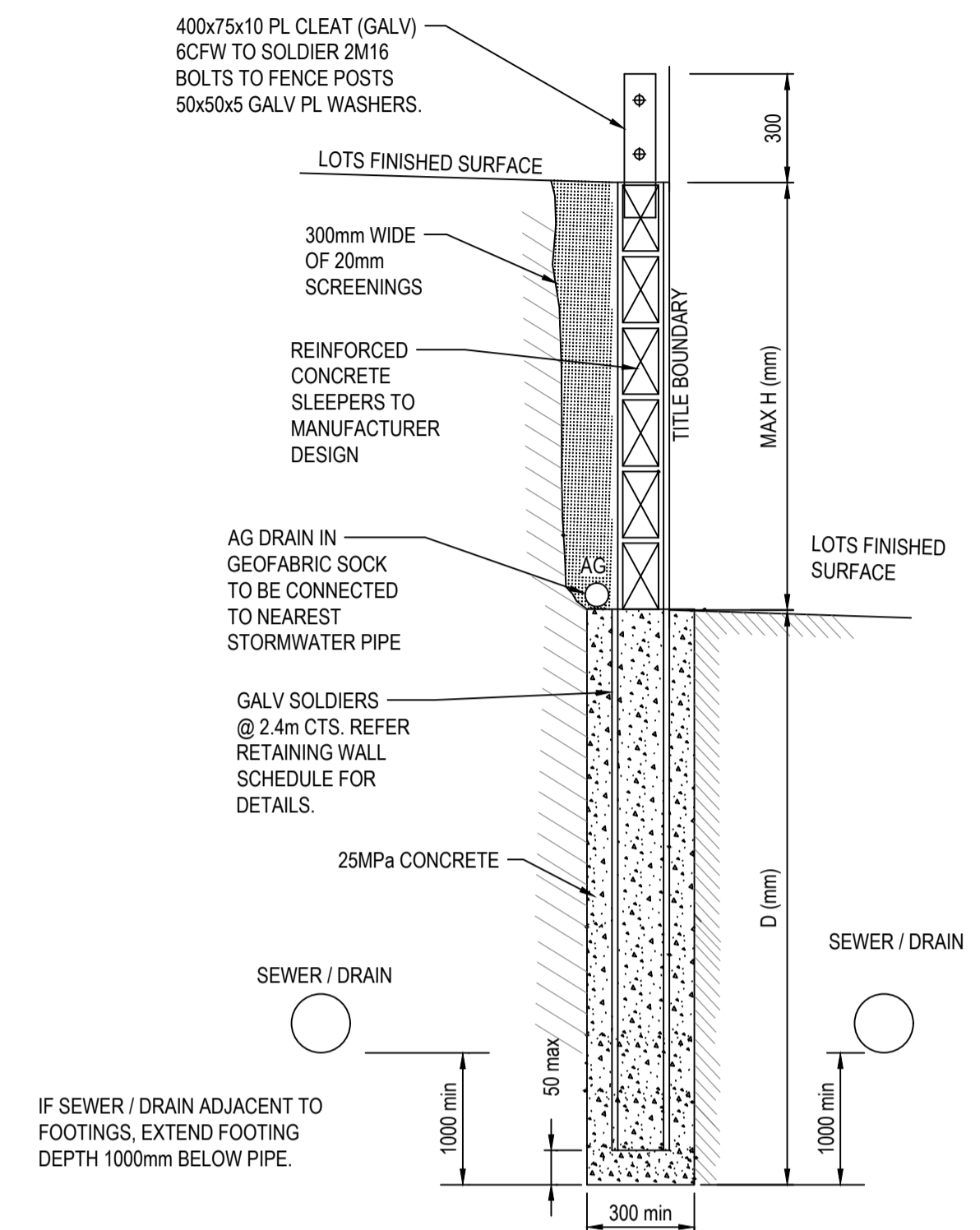


FLAT TOP SPEED HUMP DETAIL
NOT TO SCALE



SECTION A-A
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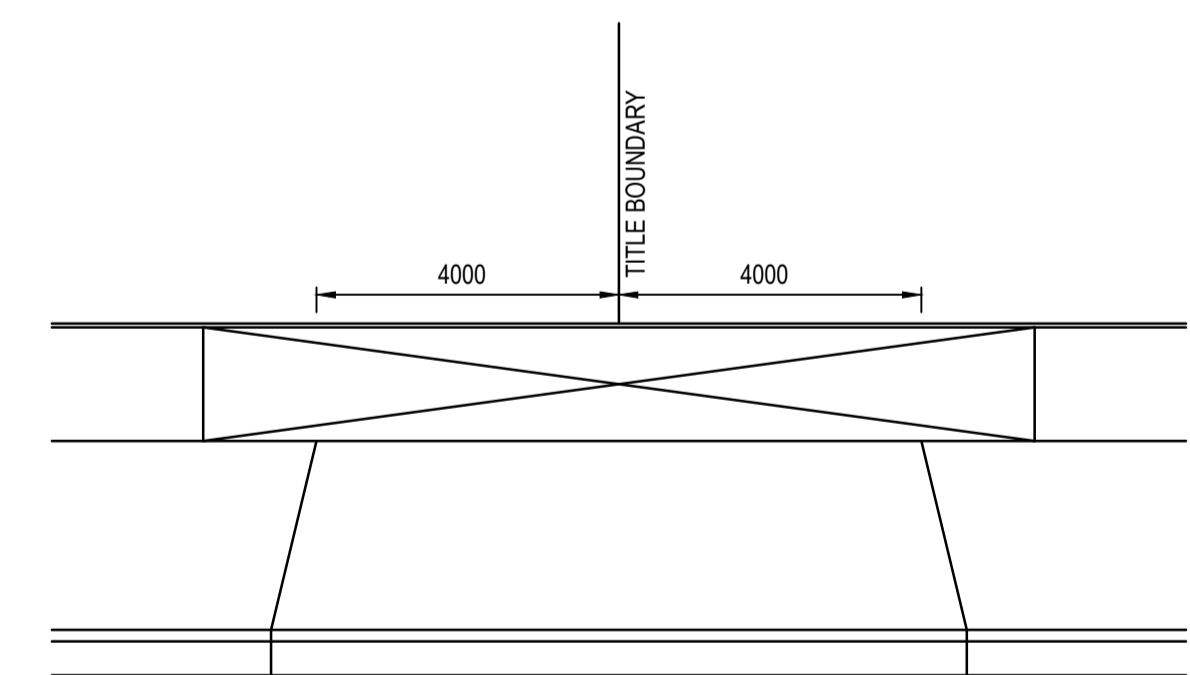
SECTION B-B
NOT TO SCALE



CONCRETE SLEEPER RETAINING WALL DETAILS
NTS

CONCRETE SLEEPER RETAINING WALL SCHEDULE		
HEIGHT - H(mm)	DEPTH - D(mm)	SOLDIERS SIZE @ 2.4m CTS
600	900	100 UC 14.8
800	1200	100 UC 14.8
1000	1500	100 UC 14.8

Dmin TO BE GREATER OF THAT SHOWN ABOVE OR 1000mm BELOW ADJACENT SEWER / DRAINAGE



8.0m DOUBLE VEHICLE CROSSING DETAIL
NOT TO SCALE

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



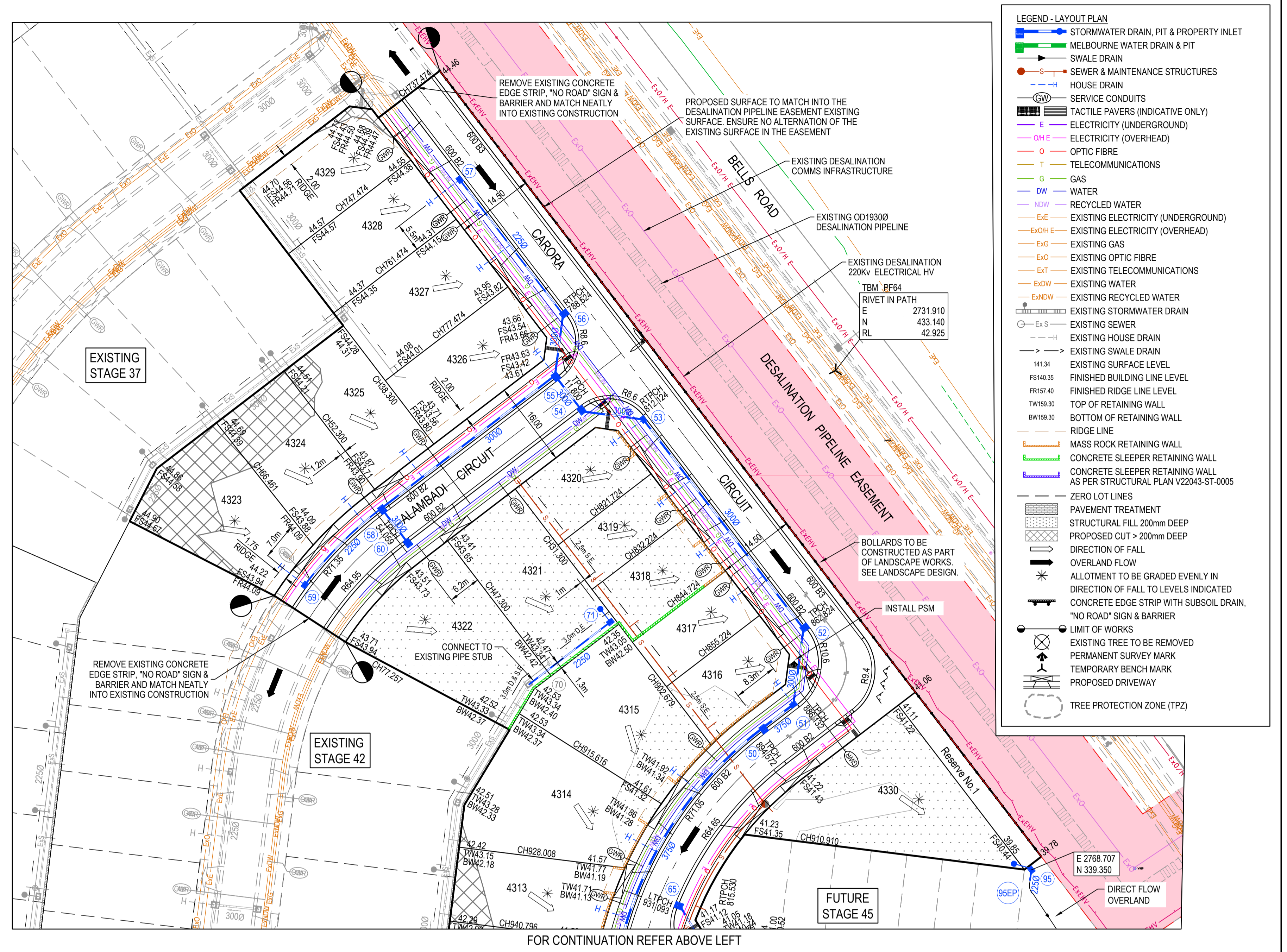
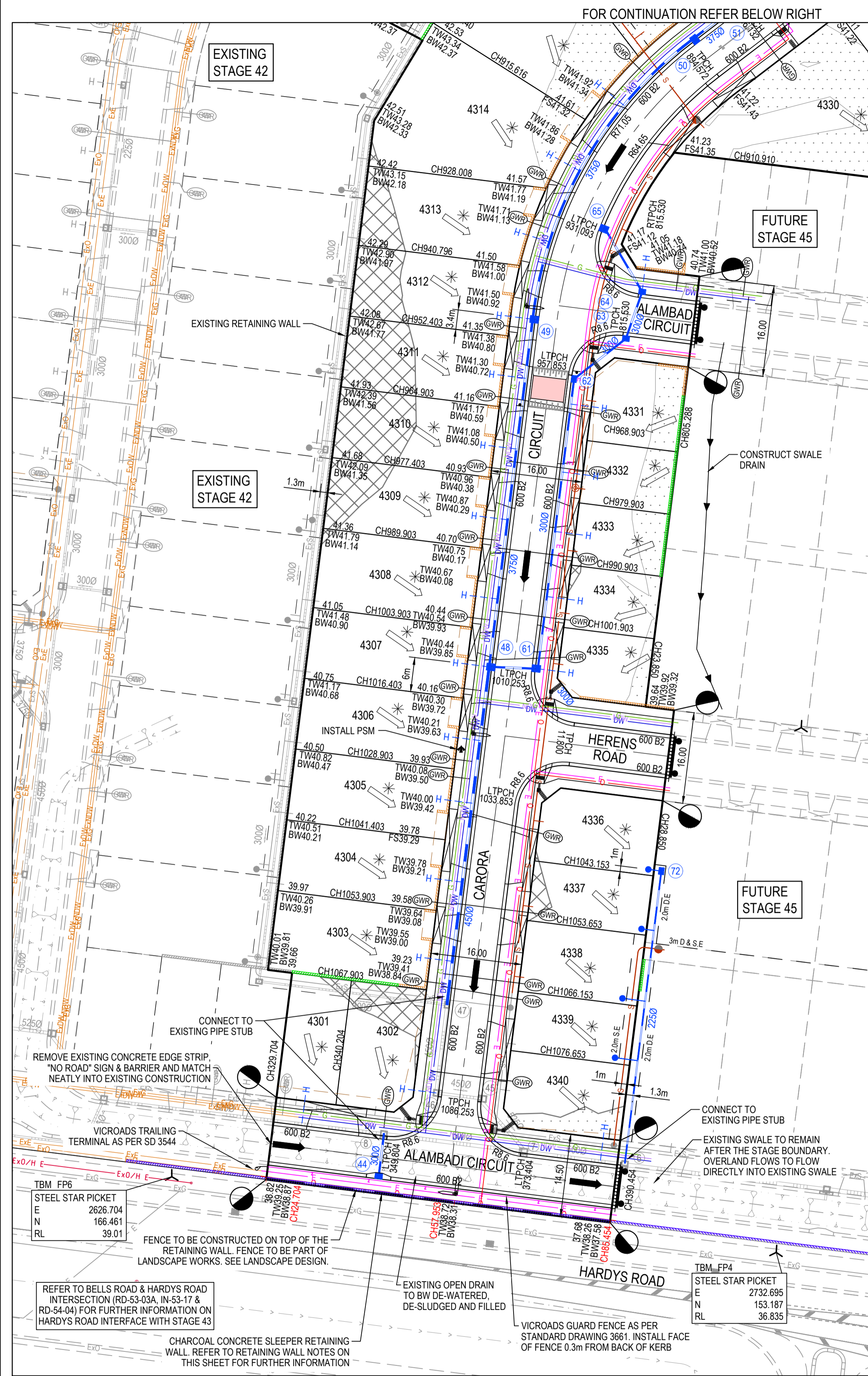
Designed: C.DAWSON
Date: 20.12.2022
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PS Number: PS908399D

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Project Details: MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

Drawing Title: RETAINING WALL DETAILS & GENERAL DETAILS

Sheet	03 of 22
Scale	AS SHOWN
Project Ref	1801767
Stage No	43
Drawing No	003
Rev	A



LEGEND - LAYOUT PLAN

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- MASS ROCK RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL AS PER STRUCTURAL PLAN V22043-ST-0005
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL > 200mm DEEP
- PROPOSED CUT > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)

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)
ALAMBADI CIRCUIT (LOTS 4301-4340)	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	1.40	SOUTH	0.45	NORTH	Ex1.00
ALAMBADI CIRCUIT (LOT 4331)	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	2.40	SOUTH	1.90	NORTH	1.00
ALAMBADI CIRCUIT (LOTS 4323-4325)	SOUTH	2.10	SOUTH	2.50	SOUTH	2.95	NORTH	2.50	NORTH	1.90	-	-
HERENS ROAD	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	2.40	SOUTH	1.90	NORTH	1.00
CARORA CIRCUIT (LOTS 4303-4315)	WEST	2.10	WEST	2.50	WEST	2.95	EAST	2.50	EAST	1.90	EAST	1.00
CARORA CIRCUIT (LOTS 4316-4329)	WEST	3.05	WEST	3.45	WEST	3.90	WEST	2.20	WEST	0.80	-	-

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	Stn/East	Nth/West	Stn/East
ALAMBADI CIRCUIT (LOTS 4301-4340)	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
ALAMBADI CIRCUIT (LOT 4331)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
ALAMBADI CIRCUIT (LOTS 4323-4325)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
HERENS ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
CARORA CIRCUIT (LOTS 4303-4315)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
CARORA CIRCUIT (LOTS 4316-4329)	14.50	6.40	7.30	7.60	600 B3	600 B2	1.55	5.65

RETAINING WALL NOTES

- RETAINING WALL ADJACENT TO HARDYS/BELLS ROAD INTERSECTION REFER TO BG&E STRUCTURAL DRAWINGS "MERIDIAN CENTRAL WALL OVER SEWER PIPE" V22043 ST-0001 TO ST-0003

WARNING! (NO GO ZONE)

NO WORKS TO BE COMMENCED WITHIN THE EXISTING DESALINATION EASEMENT OR OVER THE EXISTING 220KV HV ELEC. 19000 DESAL PIPELINE & OPTIC CABLE WITHOUT PRIOR WRITTEN APPROVAL FROM DELWP AND AUSNET.

NOTE:

- LOTS 4301, 4302, & 4340 HOUSE DRAINS TO BE CONNECTED INTO THE EXISTING STORMWATER DRAINS.
- EXISTING PITS 6, 7, 8, 45, & 46: INSTALL SIDE ENTRY INLET UNIT AND CLASS B COVER

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

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
B	LOT 4327 WATER CONNECTION UPDATED	13.04.23	MF	MF					
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



Designed C.DAWSON
Date 20.12.2022
Drawn C.DAWSON
Checked M.FELICIANO
Date 22.12.2022
Approved M.FELICIANO
Reg. No. PE0005645
Date 23.12.2022
PS Number PS906399D

BW Beveridge Williams
Development & Infrastructure Consultants
1 Glenferrie Road
Malvern VIC 3144
ph: 03 924 8888
www.beveridgewilliams.com.au

Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

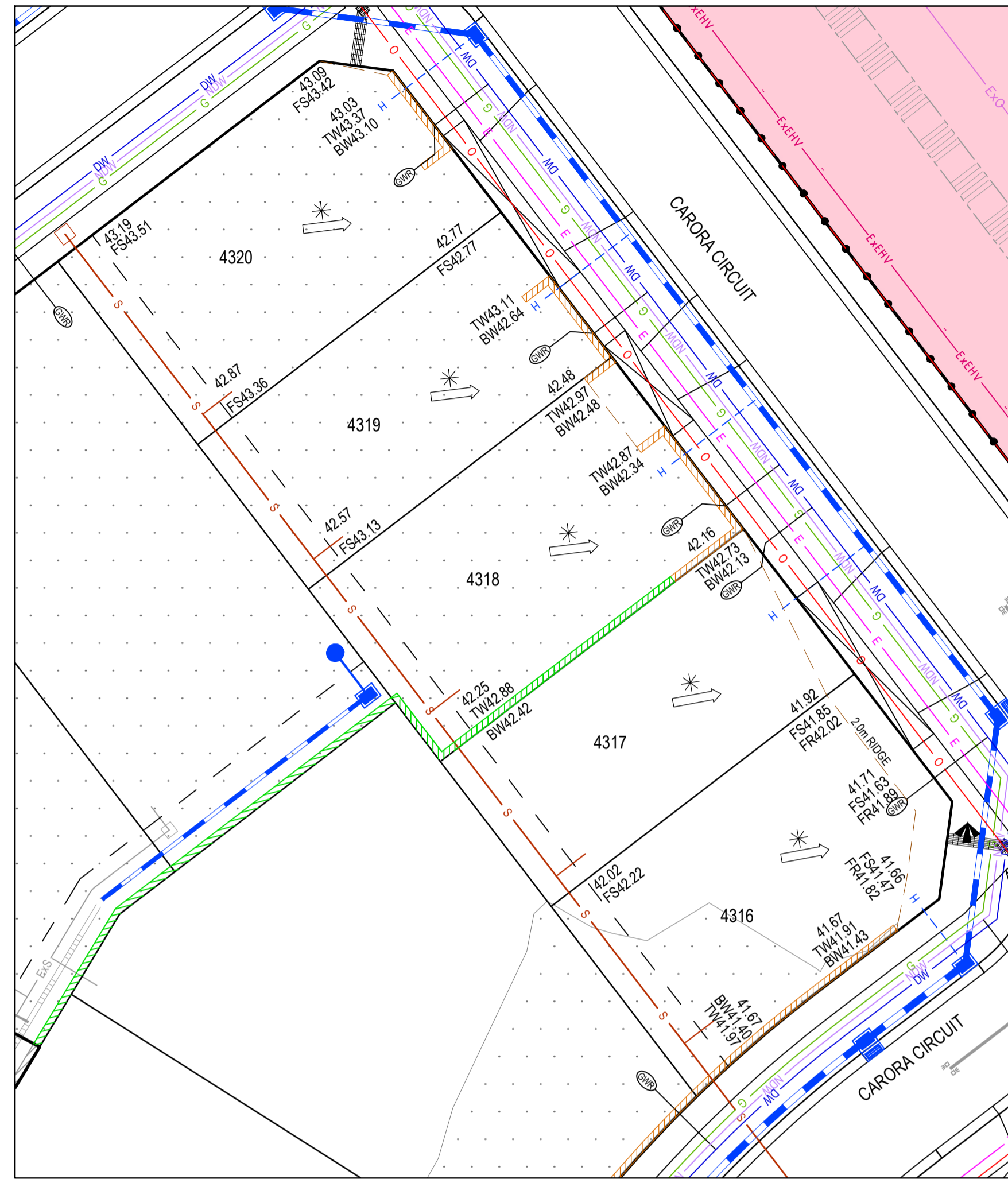
Drawing Title
LAYOUT PLAN
(SHEET 1 OF 2)

Sheet 04 of 22

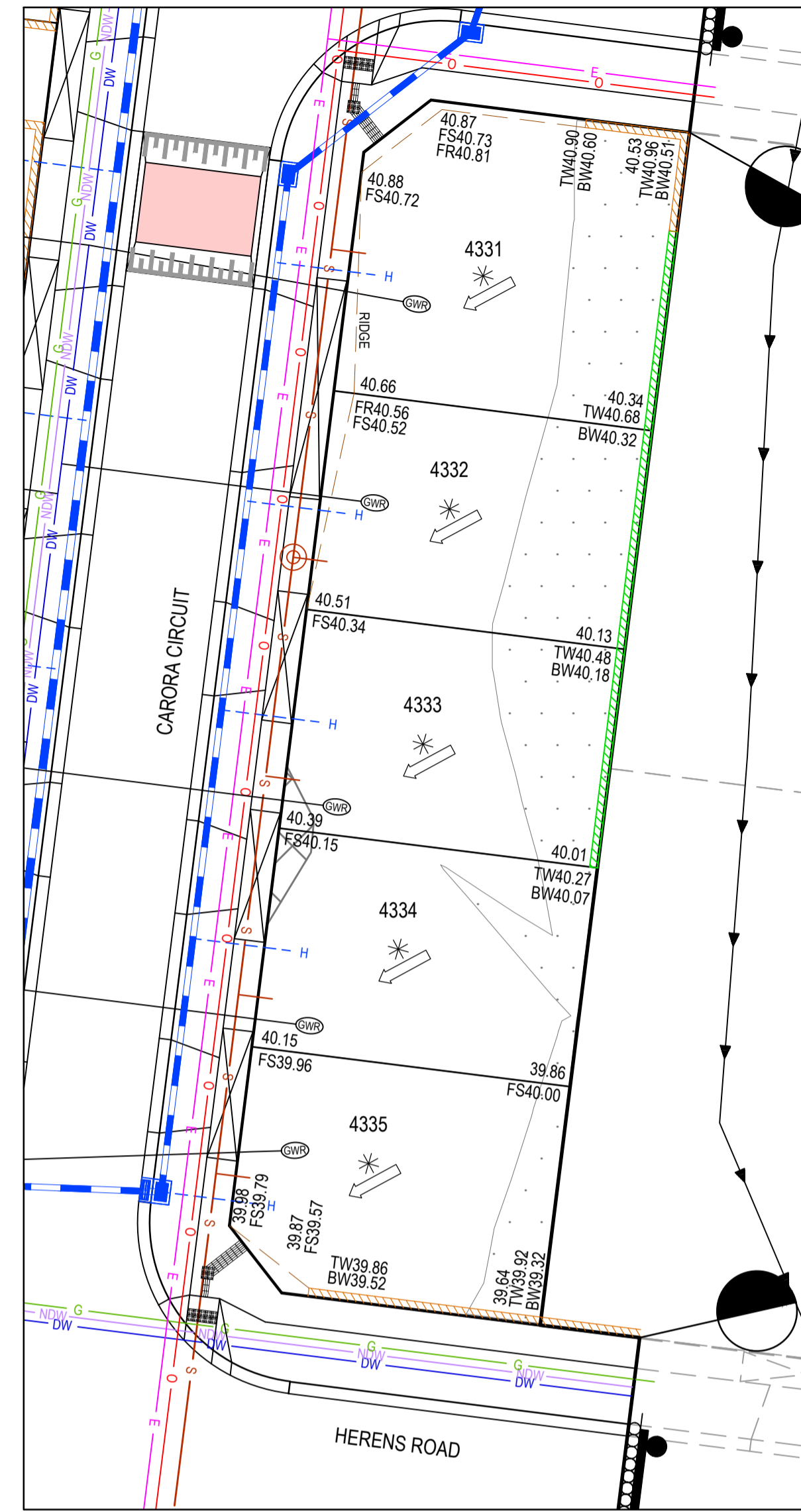
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Project Ref Stage No Drawing No Rev
1801767 43 010 B

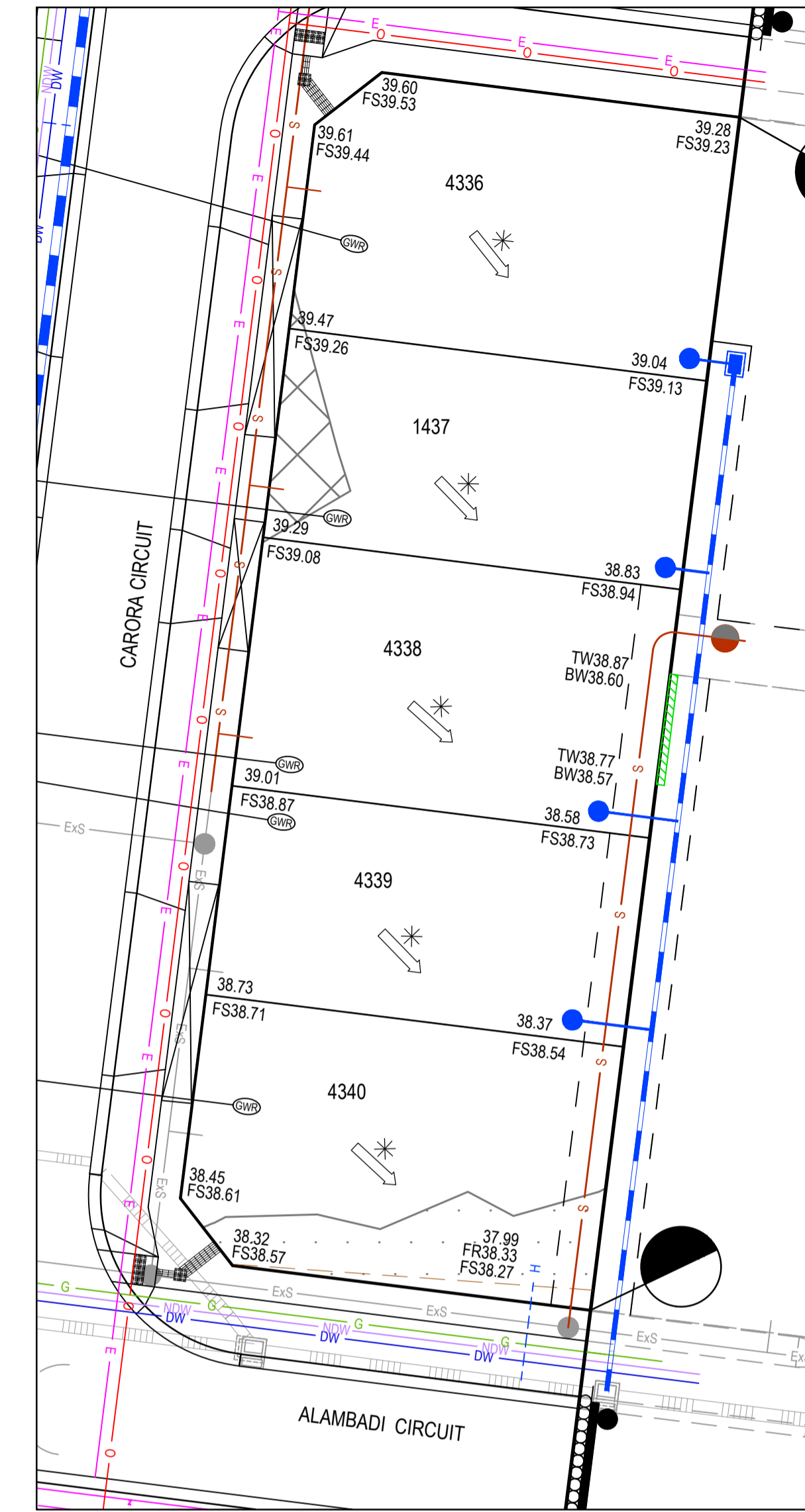
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INSERT FROM SHEET 010



INSERT FROM SHEET 010



INSERT FROM SHEET 010

LEGEND - LAYOUT PLAN

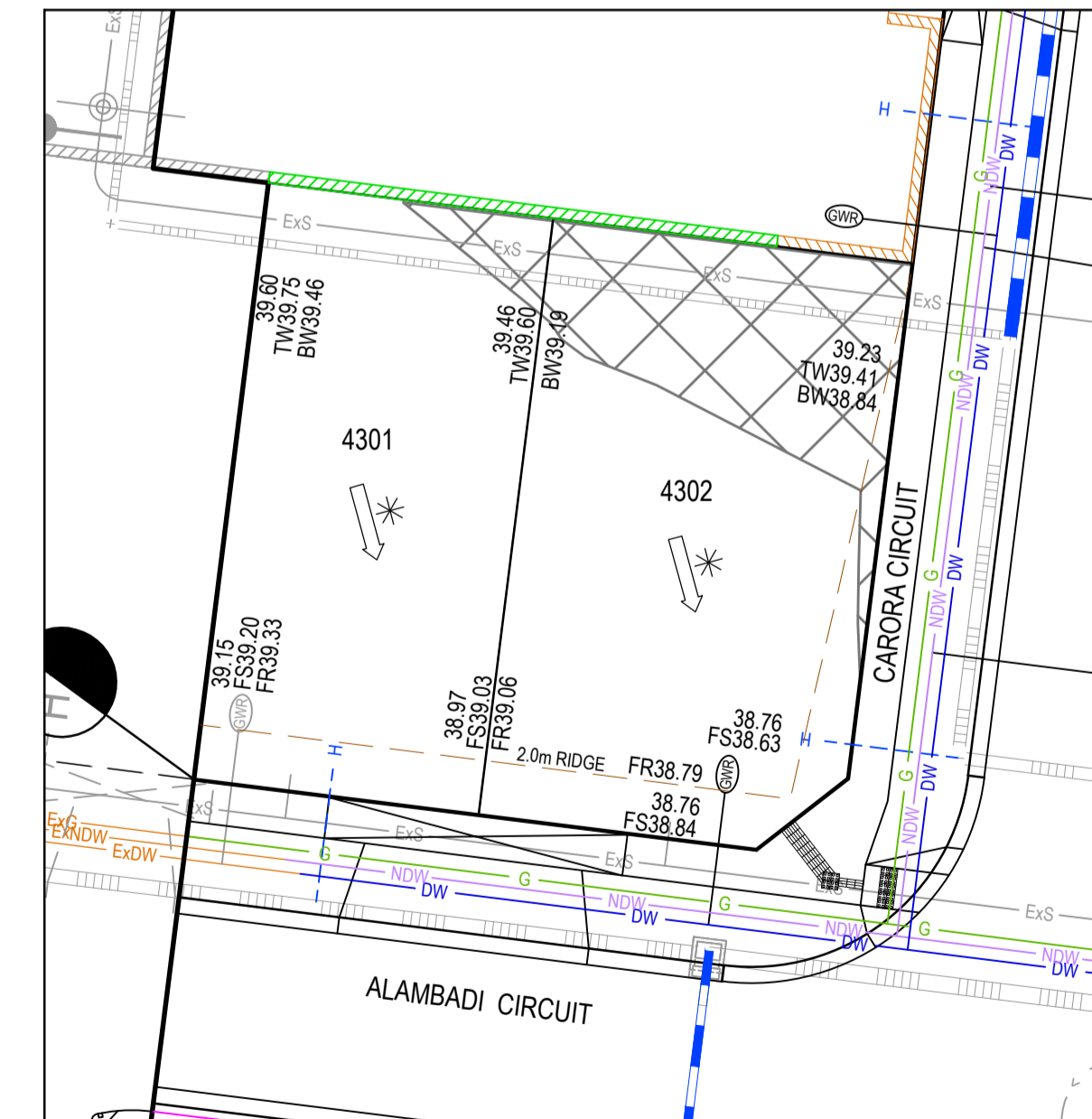
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- SERVICE CONDUITS
- TACTILE PAVERS (INDICATIVE ONLY)
- ELECTRICITY (UNDERGROUND)
- ELECTRICITY (OVERHEAD)
- OPTIC FIBRE
- TELECOMMUNICATIONS
- GAS
- WATER
- RECYCLED WATER
- EXISTING ELECTRICITY (UNDERGROUND)
- EXISTING ELECTRICITY (OVERHEAD)
- EXISTING GAS
- EXISTING OPTIC FIBRE
- EXISTING TELECOMMUNICATIONS
- EXISTING WATER
- EXISTING RECYCLED WATER
- EXISTING STORMWATER DRAIN
- EXISTING SEWER
- EXISTING HOUSE DRAIN
- EXISTING SWALE DRAIN
- EXISTING SURFACE LEVEL
- FINISHED BUILDING LINE LEVEL
- FINISHED RIDGE LINE LEVEL
- TOP OF RETAINING WALL
- BOTTOM OF RETAINING WALL
- RIDGE LINE
- MASS ROCK RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL
- CONCRETE SLEEPER RETAINING WALL AS PER STRUCTURAL PLAN V22043-ST-0005
- ZERO LOT LINES
- PAVEMENT TREATMENT
- STRUCTURAL FILL 200mm DEEP
- PROPOSED CUT > 200mm DEEP
- DIRECTION OF FALL
- OVERLAND FLOW
- ALLOTMENT TO BE GRADED EVENLY IN DIRECTION OF FALL TO LEVELS INDICATED
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN
- "NO ROAD" SIGN & BARRIER
- LIMIT OF WORKS
- EXISTING TREE TO BE REMOVED
- PERMANENT SURVEY MARK
- TEMPORARY BENCH MARK
- PROPOSED DRIVEWAY
- TREE PROTECTION ZONE (TPZ)

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)
ALAMBADI CIRCUIT (LOTS 4301-4340)	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	1.40	SOUTH	0.45	NORTH	Ex1.00
ALAMBADI CIRCUIT (LOT 4331)	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	2.40	SOUTH	1.90	NORTH	1.00
ALAMBADI CIRCUIT (LOTS 4323-4325)	SOUTH	2.10	SOUTH	2.50	SOUTH	2.95	NORTH	2.50	NORTH	1.90	-	-
HERENS ROAD	NORTH	2.10	NORTH	2.50	NORTH	2.95	SOUTH	2.40	SOUTH	1.90	NORTH	1.00
CARORA CIRCUIT (LOTS 4303-4315)	WEST	2.10	WEST	2.50	WEST	2.95	EAST	2.50	EAST	1.90	EAST	1.00
CARORA CIRCUIT (LOTS 4316-4329)	WEST	3.05	WEST	3.45	WEST	3.90	WEST	2.20	WEST	0.80	-	-

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
ALAMBADI CIRCUIT (LOTS 4301-4340)	14.50	6.40	7.30	7.60	600 B2	600 B2	4.50	2.70
ALAMBADI CIRCUIT (LOT 4331)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
ALAMBADI CIRCUIT (LOTS 4323-4325)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.20	4.50
HERENS ROAD	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
CARORA CIRCUIT (LOTS 4303-4315)	16.00	6.40	7.30	7.60	600 B2	600 B2	4.50	4.20
CARORA CIRCUIT (LOTS 4316-4329)	14.50	6.40	7.30	7.60	600 B2	600 B2	1.55	5.65



INSERT FROM SHEET 010

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

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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



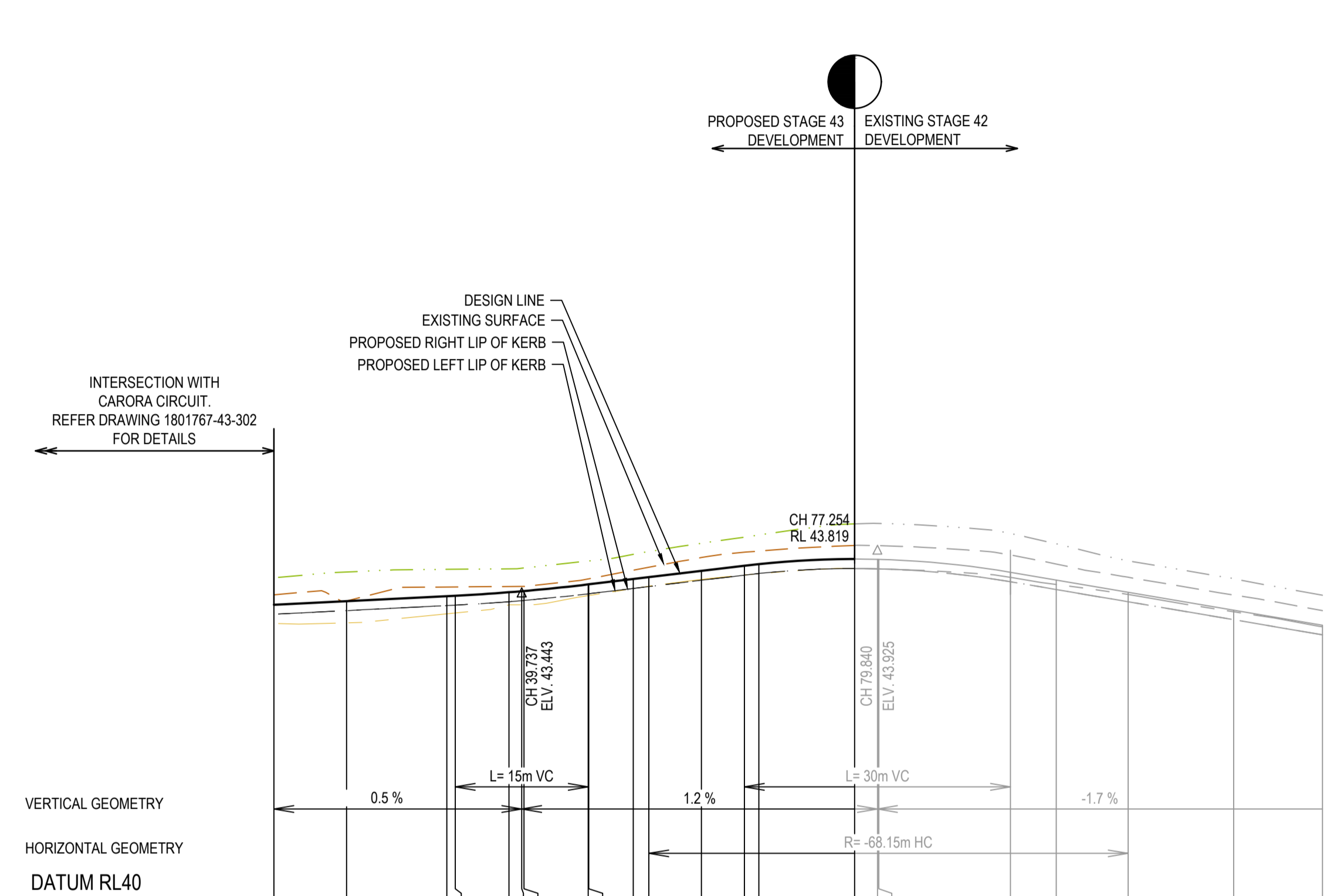
Designed: C.DAWSON
Date: 20.12.2022
Drawn: C.DAWSON
Checked: M.FELICIANO
Date: 22.12.2022
Approved: M.FELICIANO
Reg. No. PE0005645
Date: 23.12.2022
PS Number: PS908399D

BW Beveridge Williams
Development & Infrastructure Consultants
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Project: MERIDIAN CENTRAL ESTATE
Stage: STAGE 43
City: CITY OF CASEY
Drawing Title: LAYOUT PLAN (SHEET 2 OF 2)

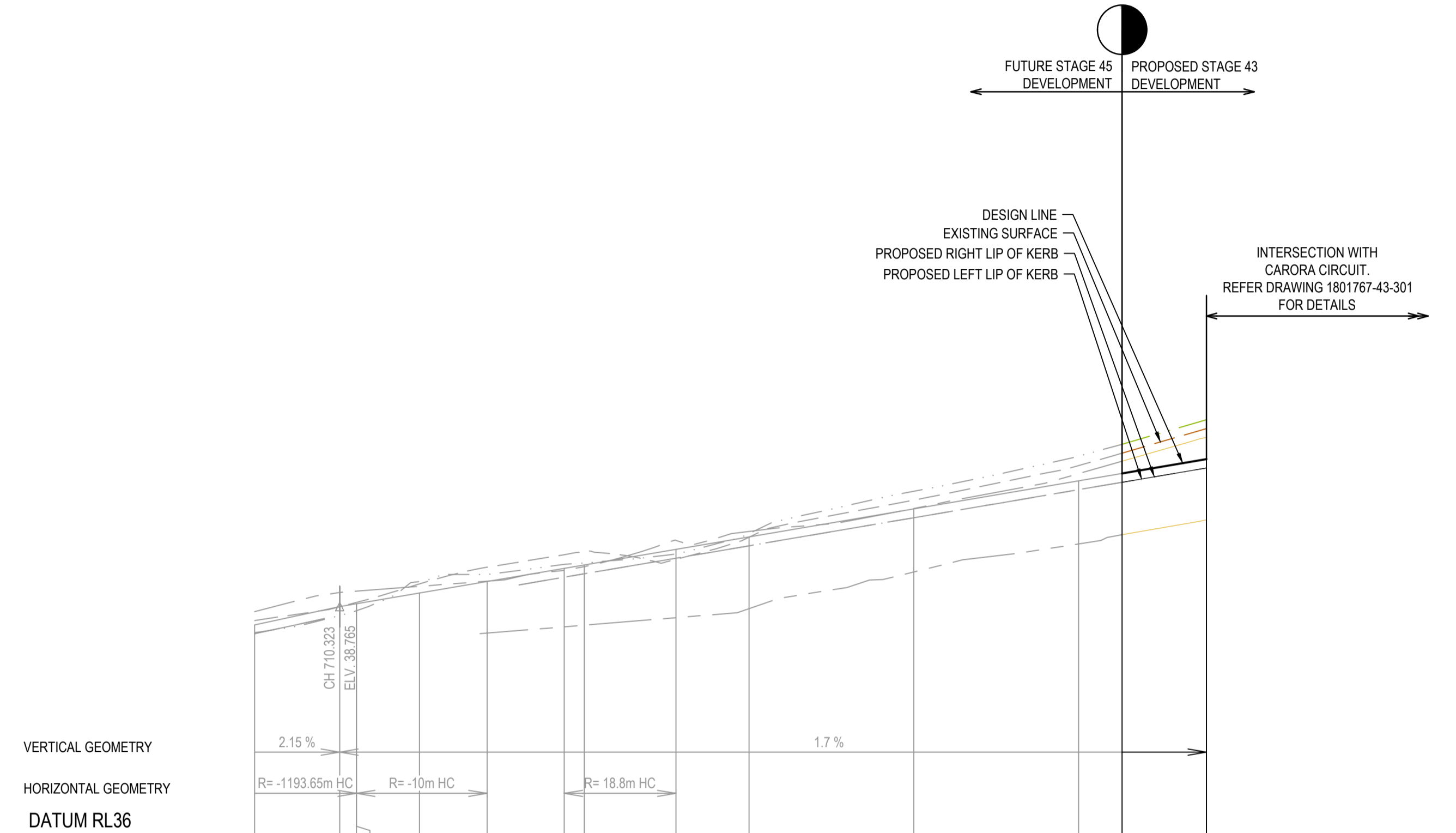
Sheet: 05 of 22
Scale: 1:200 @ A1
Project Ref: 1801767
Stage No: 43
Drawing No: 011
Rev: A

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



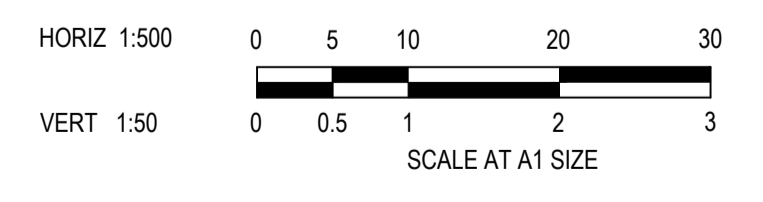
	11.800	20.000	31.300	32.237	38.300	40.000	47.237	53.300	54.059	60.000	64.840	66.461	77.257	79.840	80.000	94.840	100.000	108.101	120.000	130.000	
DESIGN CENTRELINE	43.304	43.345	43.401	43.406	43.445	43.468	43.533	43.534	43.586	43.686	43.745	43.763	43.819	43.819	43.819	43.870	43.962	43.444	43.242	43.072	
RIGHT LIP OF KERB	43.196	43.238	43.294	43.299	43.338	43.352	43.427	43.427	43.487	43.588	43.638	43.656	43.712	43.709	43.709	43.763	43.852	43.337	43.135	42.965	
EXISTING SURFACE AT RIGHT BOUNDARY	43.620	43.673	43.703	43.704	43.709	43.719	43.797	43.798	43.871	43.988	44.066	44.090	44.215	44.221	44.221	44.107	43.990	43.799	43.598	43.411	
LEFT LIP OF KERB	43.196	43.238	43.294	43.299	43.338	43.352	43.427	43.427	43.487	43.588	43.638	43.656	43.712	43.709	43.709	43.763	43.852	43.337	43.135	42.965	
EXISTING SURFACE AT LEFT BOUNDARY	43.592	43.100	43.201	43.210	43.303	43.305	43.406	43.407	43.486	43.594	43.639	43.655	43.712	43.709	43.707	43.612	43.533	43.420	43.225	43.055	
EXISTING SURFACE	43.416	43.346	43.504	43.505	43.510	43.511	43.595	43.596	43.668	43.777	43.836	43.856	43.973	43.970	43.970	43.864	43.763	43.614	43.414	43.238	
CHAINAGE	11.800	20.000	31.300	32.237	38.300	40.000	47.237	47.300	53.300	54.059	60.000	64.840	66.461	77.257	79.840	80.000	94.840	100.000	108.101	120.000	130.000

ALAMBADI CIRCUIT (LOTS 4323-4325) LONGITUDINAL SECTION



	700.000	710.323	712.356	712.356	720.000	728.222	737.565	740.000	751.133	760.000	780.000	800.000	805.288	815.500
DESIGN CENTRELINE	38.544	38.765	38.800	38.800	38.830	39.070	39.229	39.270	39.459	39.610	39.850	40.290	40.380	40.554
RIGHT LIP OF KERB	38.437	38.657	38.709	38.709	38.770	39.156	39.278	39.295	39.404	39.503	39.843	40.183	40.273	40.447
EXISTING SURFACE AT RIGHT BOUNDARY	38.450	38.657	38.709	38.709	38.770	39.156	39.278	39.295	39.404	39.503	39.843	40.183	40.273	40.447
LEFT LIP OF KERB	38.437	38.657	38.709	38.709	38.770	39.156	39.278	39.295	39.404	39.503	39.843	40.183	40.273	40.447
EXISTING SURFACE AT LEFT BOUNDARY	38.705	38.937	39.009	39.009	39.069	39.243	39.395	39.432	39.568	39.677	39.954	40.378	40.529	40.817
EXISTING SURFACE	38.597	38.764	38.816	38.816	39.041	39.243	39.395	39.432	39.568	39.677	40.057	40.475	40.627	40.925
CHAINAGE	700.000	710.323	712.356	712.356	720.000	728.222	737.565	740.000	751.133	760.000	780.000	800.000	805.288	815.500

ALAMBADI CIRCUIT (LOT 4331) LONGITUDINAL SECTION



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



Designed: C.DAWSON
 Date: 20.12.2022
 Drawn: C.DAWSON
 Checked: M.FELICIANO
 Date: 22.12.2022
 Approved: M.FELICIANO
 Reg. No: PE0005645
 Date: 23.12.2022
 PS Number: PS908399D

BW Beveridge Williams
 Development & Infrastructure Consultants
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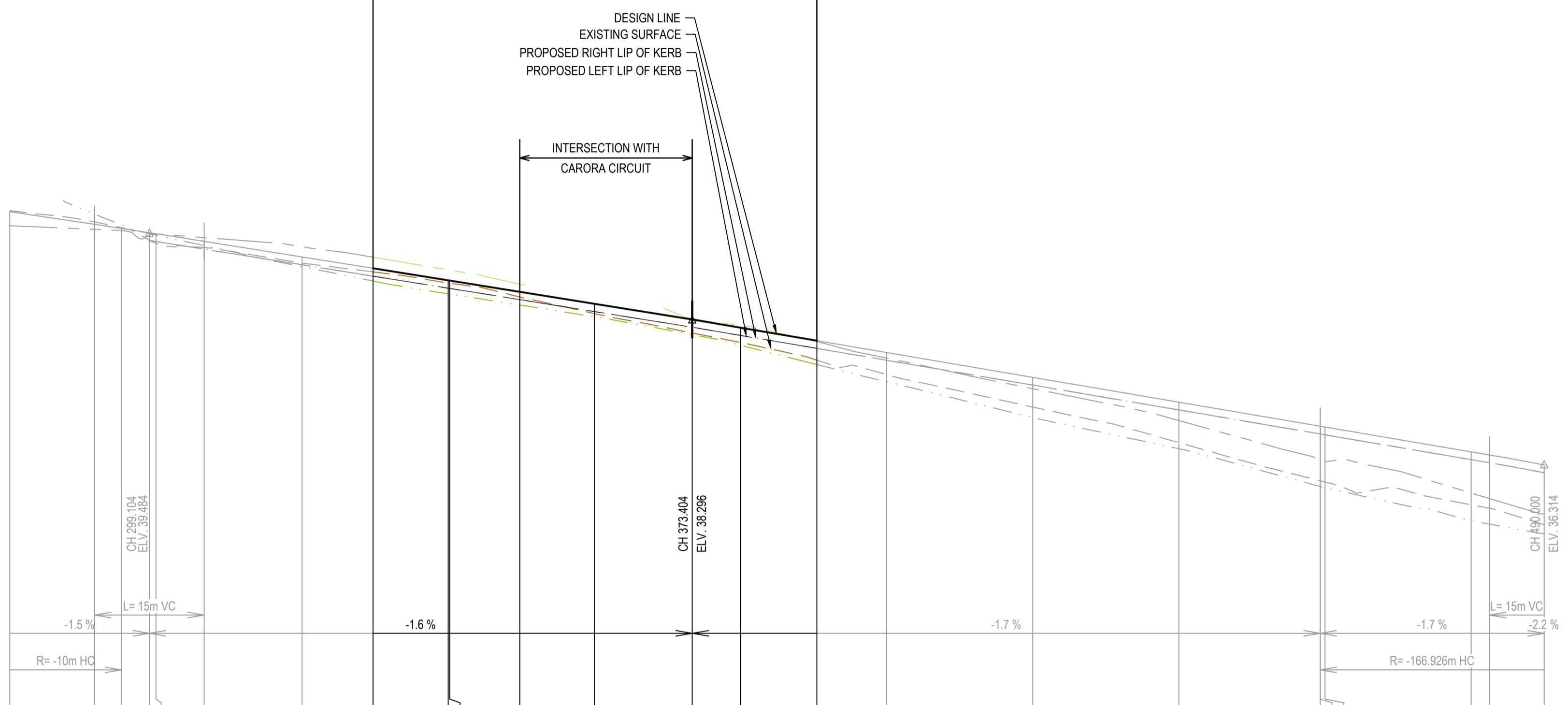
Project Details: MERIDIAN CENTRAL ESTATE
 STAGE 43
 CITY OF CASEY

Drawing Title: ROAD LONGITUDINAL SECTIONS
 ALAMBADI CIRCUIT
 (SHEET 1 OF 2)

Sheet	06 of 22
Scale	1:500 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	100
Rev	A

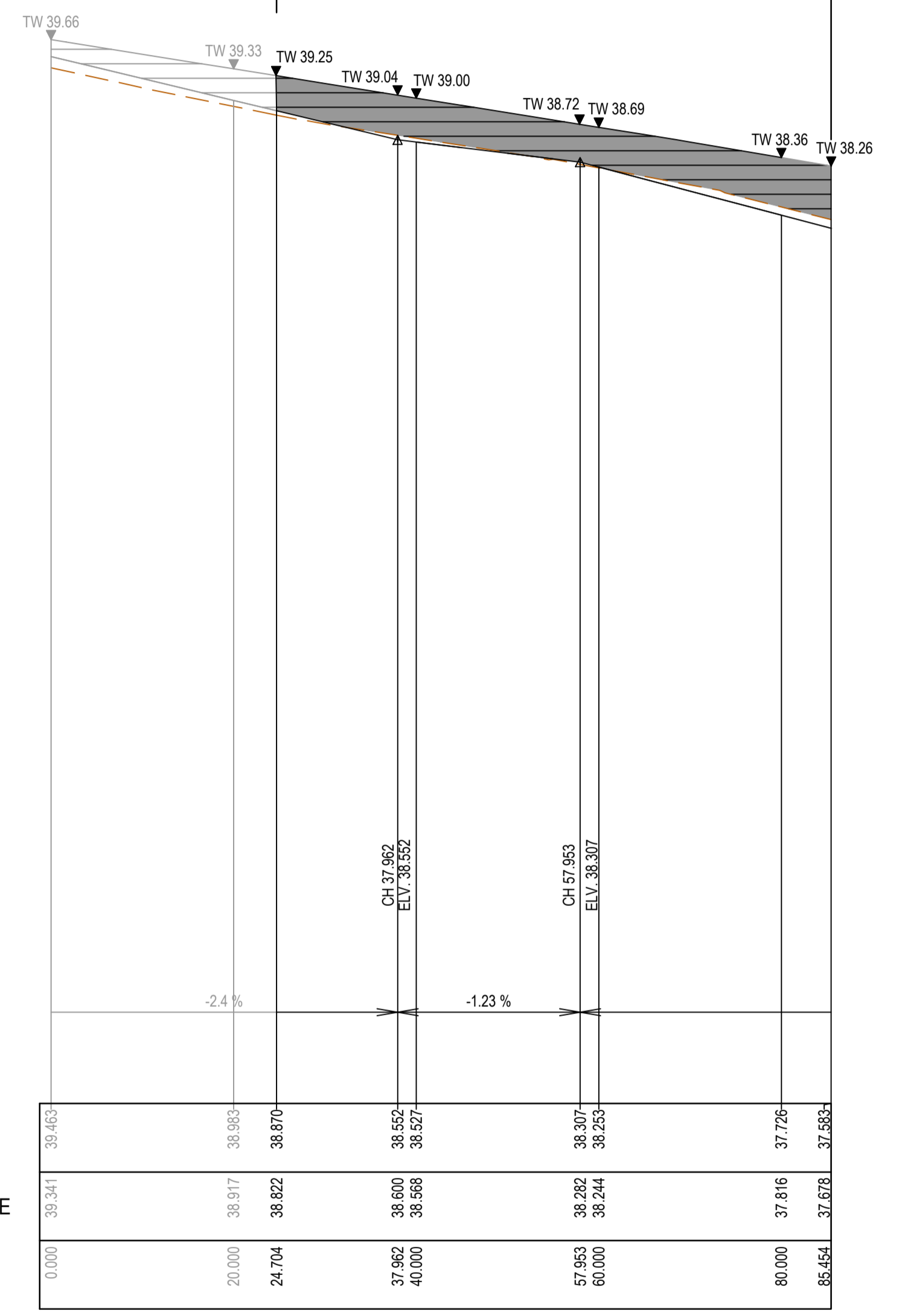
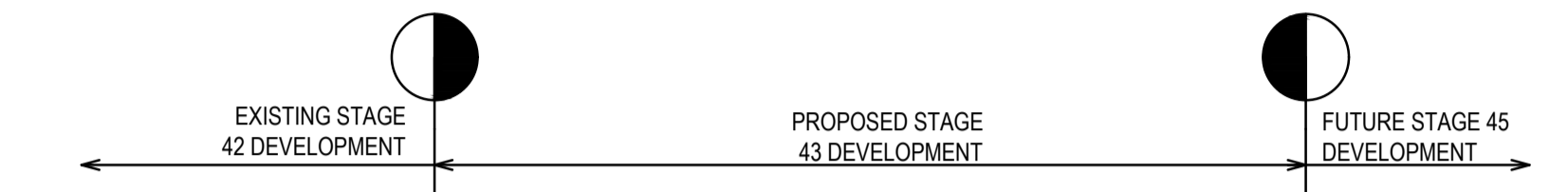
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



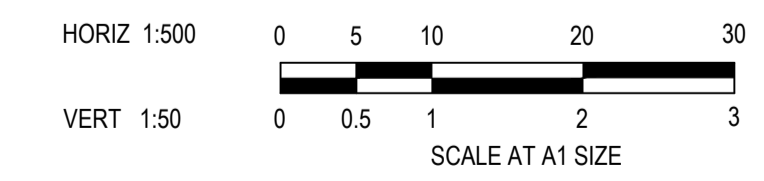
DESIGN CENTRELINE	39.771	39.597	39.541	39.465	39.465	39.384	39.150	38.995	38.895	38.827	38.673	38.510	38.296	38.184	38.006	37.844	37.604	37.414	37.228	37.010	36.824	36.604
RIGHT LIP OF KERB			39.576	39.470	39.362	39.258	39.043	38.888	38.723	38.567	38.404	38.189	38.077	37.942	37.889	37.737	37.504	37.264	37.078	36.855	36.641	36.436
EXISTING SURFACE AT RIGHT BOUNDARY		39.694	39.557	39.470	39.450	39.306	39.018	38.822	38.647	38.493	38.337	38.088	37.942	37.817	37.728	37.572	37.328	37.088	36.855	36.641	36.436	36.241
LEFT LIP OF KERB			39.375	39.362	39.258	39.043	38.888	38.723	38.567	38.404	38.189	38.077	37.942	37.889	37.737	37.504	37.264	37.078	36.855	36.641	36.436	36.241
EXISTING SURFACE AT LEFT BOUNDARY	39.543	39.526	39.519	39.468	39.465	39.415	39.291	39.148	38.975	38.808	38.603	38.377	38.110	37.947	37.822	37.645	37.414	37.174	36.941	36.728	36.524	36.330
EXISTING SURFACE	39.784	39.630	39.549	39.474	39.465	39.279	39.057	38.947	38.794	38.603	38.377	38.110	37.848	37.604	37.379	37.145	36.912	36.672	36.436	36.202	35.968	35.734
CHAINAGE	280.000	291.604	295.304	299.104	300.000	306.604	320.000	329.704	340.000	349.804	360.000	373.404	380.000	389.454	400.000	420.000	440.000	460.000	480.000	482.500	490.000	

ALAMBADI CIRCUIT (LOTS 4301 - 4340) LONGITUDINAL SECTION



DESIGN CENTRELINE	39.453	38.983	38.870	38.552	38.253	38.307	37.726
RIGHT LIP OF KERB				38.552	38.253	38.307	37.726
EXISTING SURFACE AT RIGHT BOUNDARY				38.552	38.253	38.307	37.726
LEFT LIP OF KERB				38.552	38.253	38.307	37.726
EXISTING SURFACE AT LEFT BOUNDARY	39.341	38.917	38.822	38.600	38.598	38.282	37.816
EXISTING SURFACE	39.341	38.917	38.822	38.600	38.598	38.282	37.816
CHAINAGE	0.000	20.000	24.704	37.962	40.000	57.953	80.000

RETAINING WALL LONGITUDINAL SECTION



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



Designed: C.DAWSON
 Date: 20.12.2022
 Drawn: C.DAWSON
 Checked: M.FELICIANO
 Date: 22.12.2022
 Approved: M.FELICIANO
 Reg. No.: PE0005645
 Date: 23.12.2022
 PS Number: PS908399D

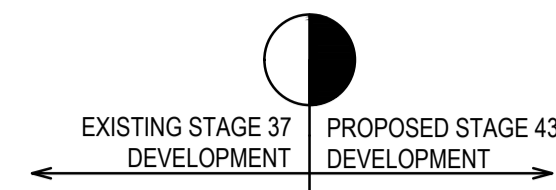
BW Beveridge Williams
 Development & Infrastructure Consultants
 1 Glenferrie Road Malvern VIC 3144
 ph: 03 9524 8888
 www.beveridgewilliams.com.au

Project Details
 MERIDIAN CENTRAL ESTATE
 STAGE 43
 CITY OF CASEY

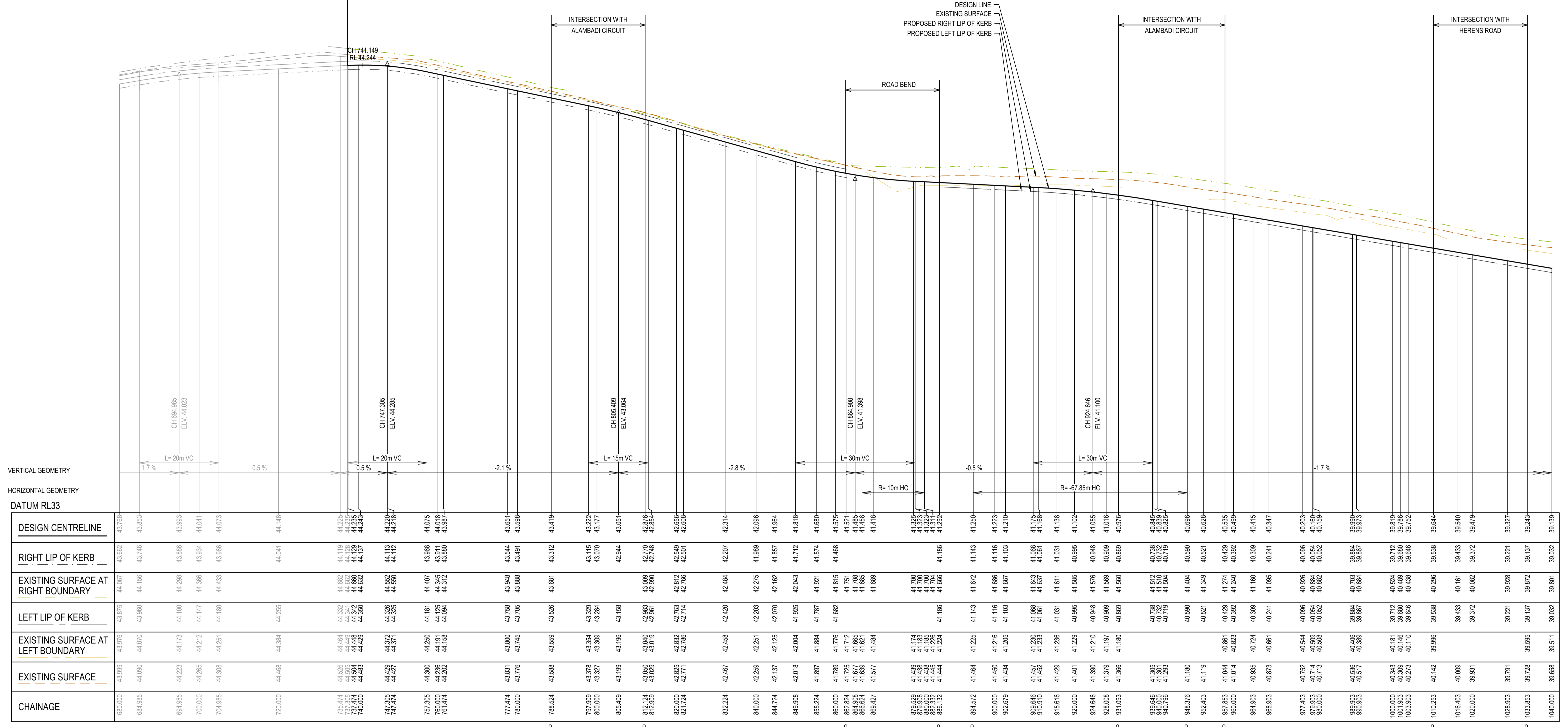
Drawing Title
 ROAD LONGITUDINAL SECTIONS
 ALAMBADI CIRCUIT
 (SHEET 2 OF 2) & RETAINING WALL

Sheet	07 of 22
Scale	1:500 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	101
Rev	A

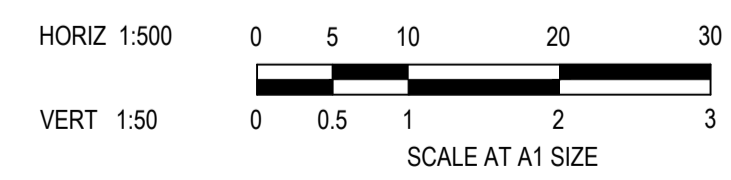
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LEGEND	
	EXISTING SURFACE
	DESIGN LINE
	FUTURE DESIGN LINE
	EXISTING SURFACE AT RIGHT BOUNDARY
	RIGHT LIP OF KERB
	EXISTING SURFACE AT LEFT BOUNDARY
	LEFT LIP OF KERB



CARORA CIRCUIT LONGITUDINAL SECTION



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
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BW Beveridge Williams
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1 Glenferrie Road
Malvern VIC 3144
ph: 03 9524 8888
www.beveridgewilliams.com.au

Project Details	MERIDIAN CENTRAL ESTATE STAGE 43 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS CARORA CIRCUIT

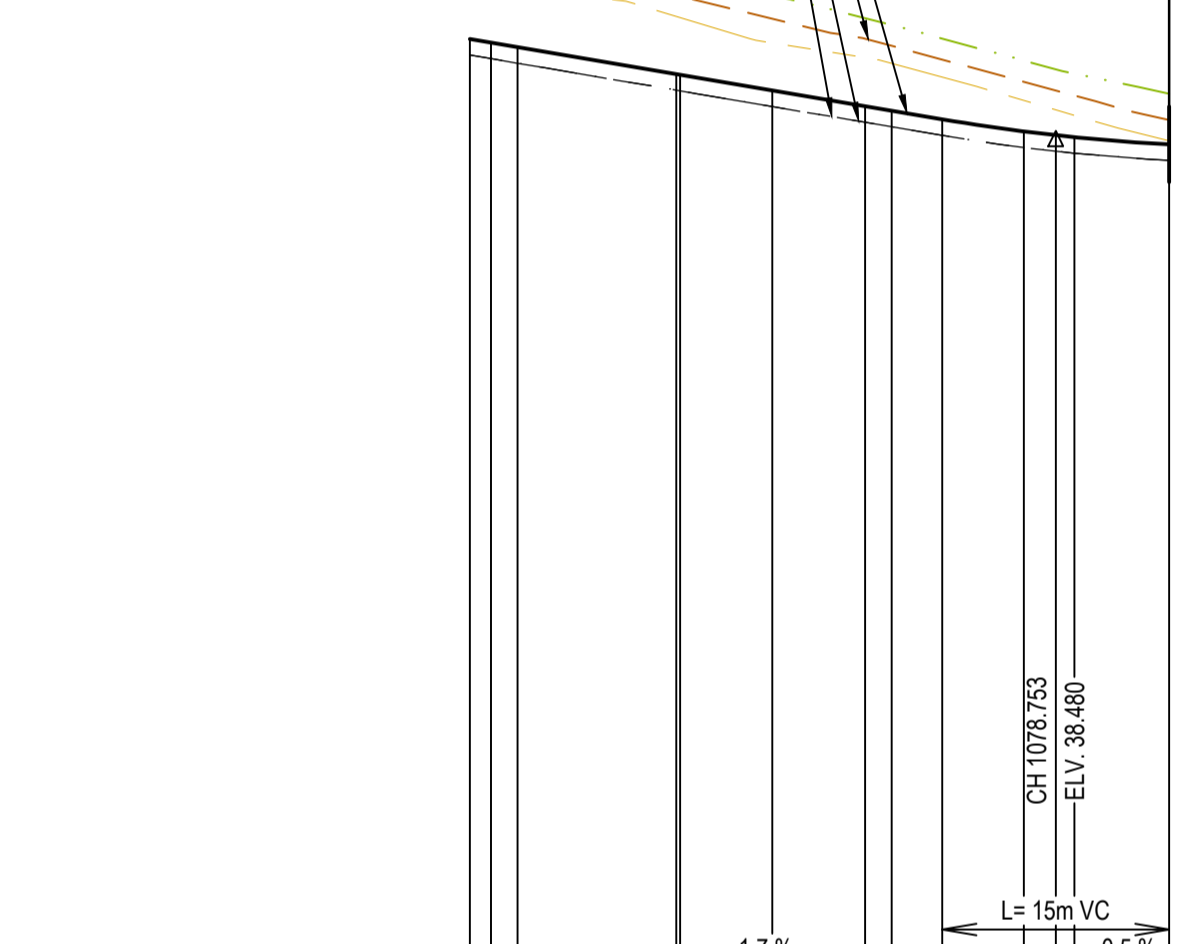
Sheet	08 of 22
Scale	1:500 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	102
Rev	A

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

DESIGN LINE
EXISTING SURFACE
PROPOSED RIGHT LIP OF KERB
PROPOSED LEFT LIP OF KERB

INTERSECTION WITH
ALAMBADI CIRCUIT.
REFER DRAWING 1801767-43-300
FOR DETAILS



VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL32

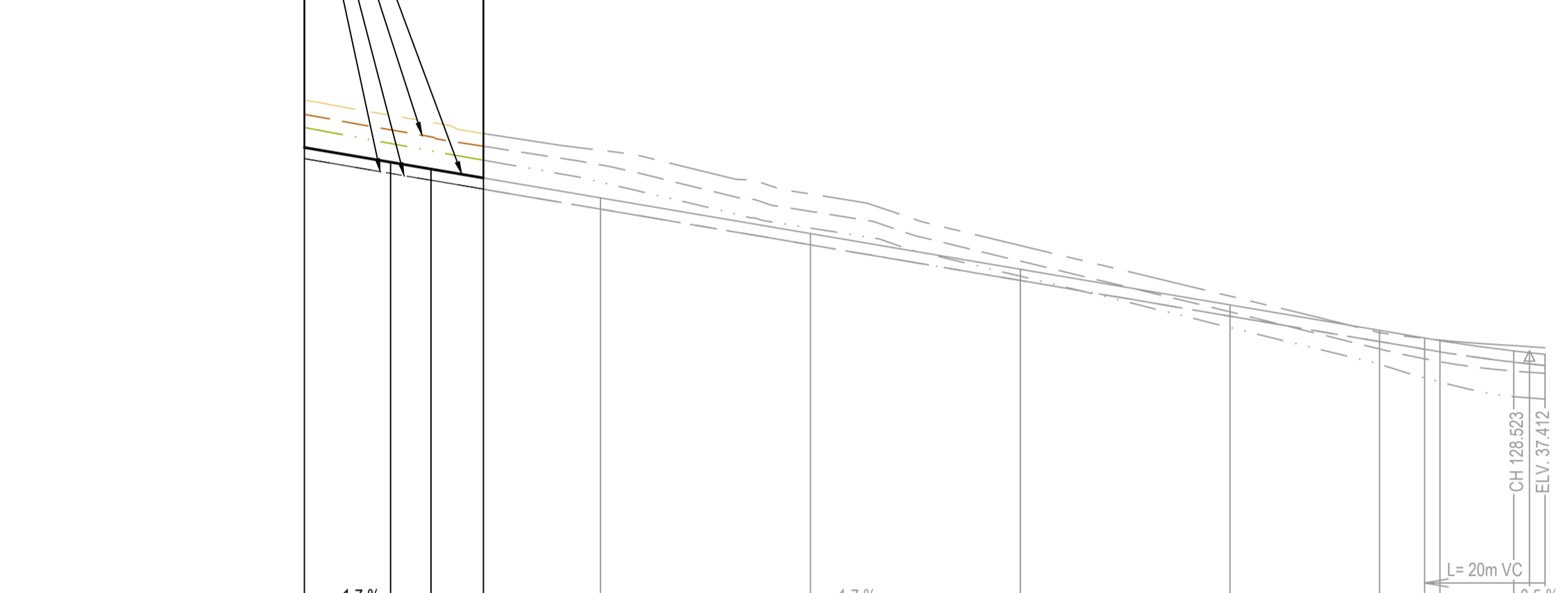
DESIGN CENTRELINE	39.139	39.115	39.065	38.907	38.799	38.692	38.587	38.501	38.527	38.502	38.485	38.442
RIGHT LIP OF KERB	39.032	39.008	38.976	38.800	38.796	38.692	38.587	38.501	38.421	38.397	38.383	38.336
EXISTING SURFACE AT RIGHT BOUNDARY	39.601	39.008	38.785	38.597	38.590	38.430	38.276	38.141	38.995	38.938	38.910	38.777
LEFT LIP OF KERB	39.032	39.008	38.976	38.800	38.796	38.692	38.587	38.501	38.421	38.397	38.383	38.336
EXISTING SURFACE AT LEFT BOUNDARY	39.511	39.493	39.473	39.287	39.280	39.113	38.915	38.771	38.732	38.670	38.633	38.465
EXISTING SURFACE	39.658	39.642	39.622	39.426	39.420	39.272	39.141	38.995	38.855	38.798	38.764	38.602
CHAINAGE	1040.000	1041.403	1043.153	1053.653	1053.903	1060.000	1066.153	1067.303	1071.253	1076.653	1078.753	1080.000

CARORA CIRCUIT LONGITUDINAL SECTION

PROPOSED STAGE 43 DEVELOPMENT
FUTURE STAGE 45 DEVELOPMENT

DESIGN LINE
EXISTING SURFACE
PROPOSED RIGHT LIP OF KERB
PROPOSED LEFT LIP OF KERB

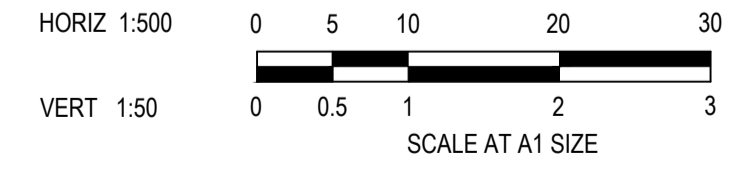
INTERSECTION WITH
CARORA CIRCUIT.
REFER DRAWING 1801767-43-300
FOR DETAILS



VERTICAL GEOMETRY
HORIZONTAL GEOMETRY
DATUM RL34

DESIGN CENTRELINE	39.996	39.257	39.192	39.107	38.917	38.577	38.237	37.997	37.655	37.582	37.558	37.451	37.427
RIGHT LIP OF KERB	39.250	39.150	39.085	39.000	38.810	38.470	38.130	37.790	37.548	37.475	37.451	37.336	37.320
EXISTING SURFACE AT RIGHT BOUNDARY	39.586	39.436	39.364	39.275	39.066	38.629	38.171	37.662	37.335	37.202	37.163	37.093	37.069
LEFT LIP OF KERB	39.250	39.150	39.085	39.000	38.810	38.470	38.130	37.790	37.548	37.475	37.451	37.336	37.320
EXISTING SURFACE AT LEFT BOUNDARY	39.848	39.703	39.637	39.530	39.370	38.954	38.463	37.981	37.633	37.578	37.563	37.511	37.489
EXISTING SURFACE	39.773	39.565	39.499	39.409	39.232	38.789	38.315	37.831	37.478	37.384	37.356	37.297	37.245
CHAINAGE	11.800	20.000	23.850	28.850	40.000	60.000	80.000	100.000	114.239	118.523	120.000	128.523	130.000

HERENS ROAD LONGITUDINAL SECTION



ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					

DATE	DRN	APP	REV	DESCRIPTION	DATE	DRN	APP



Designed	C.DAWSON
Date	20.12.2022
Drawn	C.DAWSON
Checked	M.FELICIANO
Date	22.12.2022
Approved	M.FELICIANO
Reg. No.	PE0005645
Date	23.12.2022
PS Number	PS908399D

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

Project Details	MERIDIAN CENTRAL ESTATE STAGE 43 CITY OF CASEY
Drawing Title	ROAD LONGITUDINAL SECTIONS CARORA CIRCUIT (SHEET 2 OF 2) & HERENS ROAD

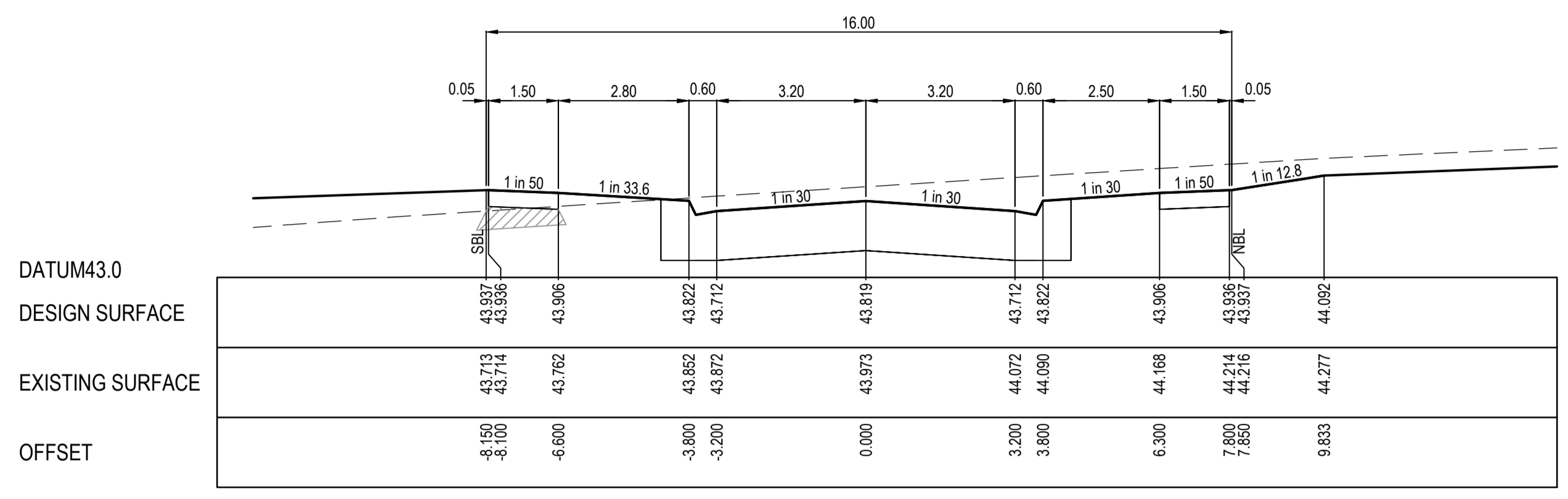
Sheet	09 of 22
Scale	1:500 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	103
Rev	A

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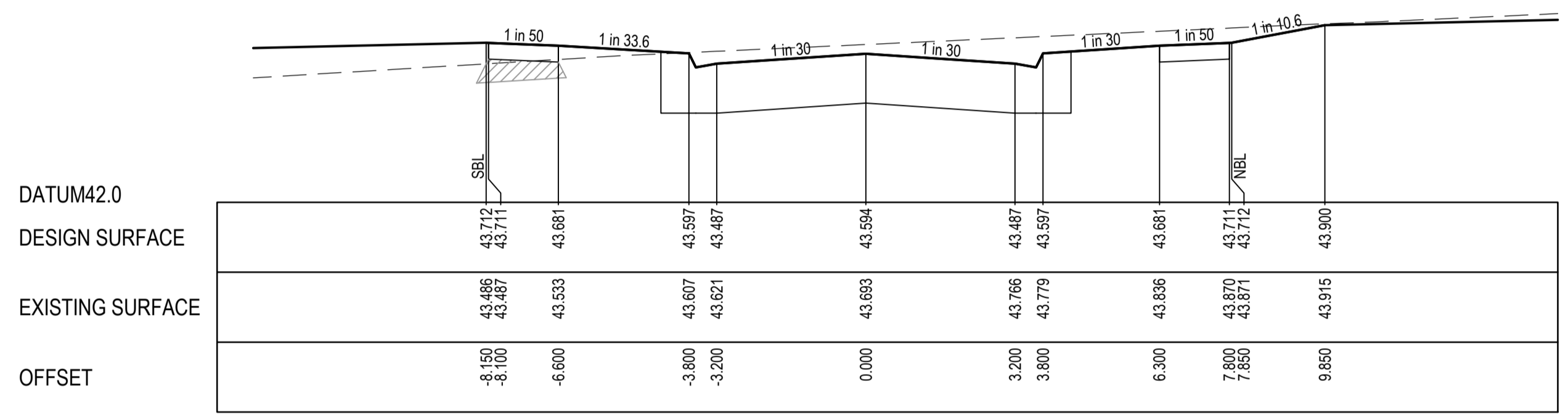
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

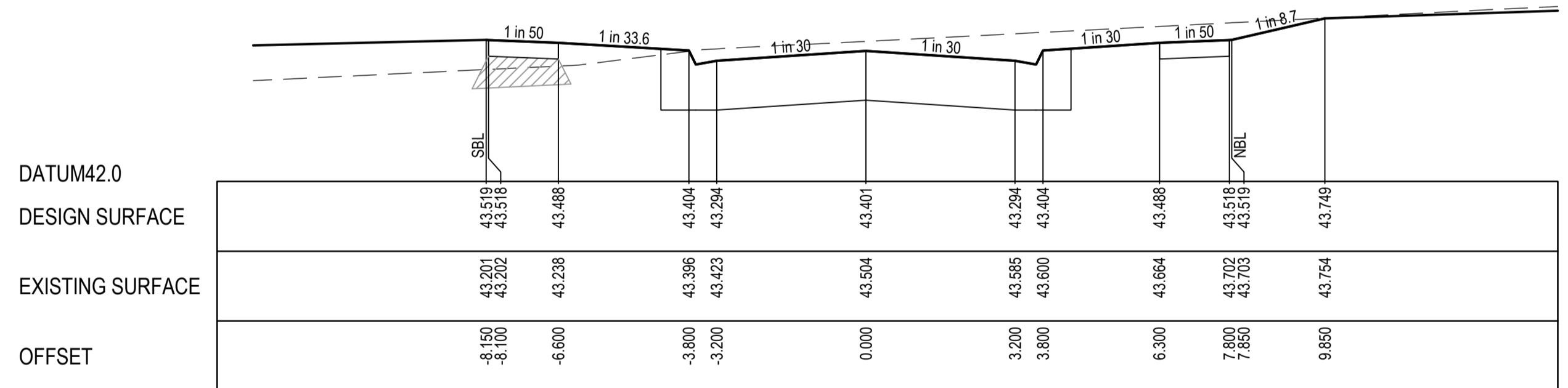
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



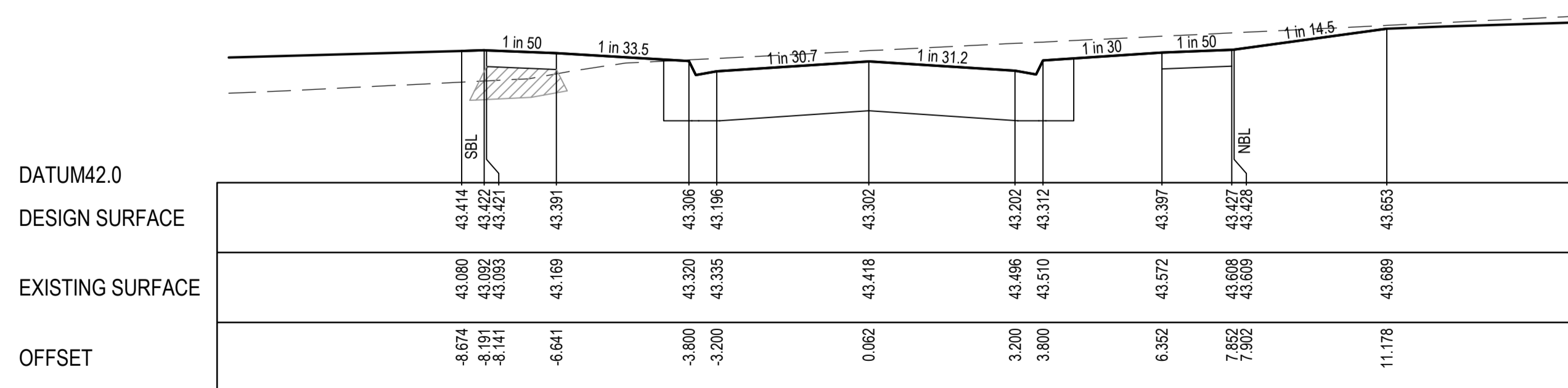
CH 77.257
LIMIT OF WORKS



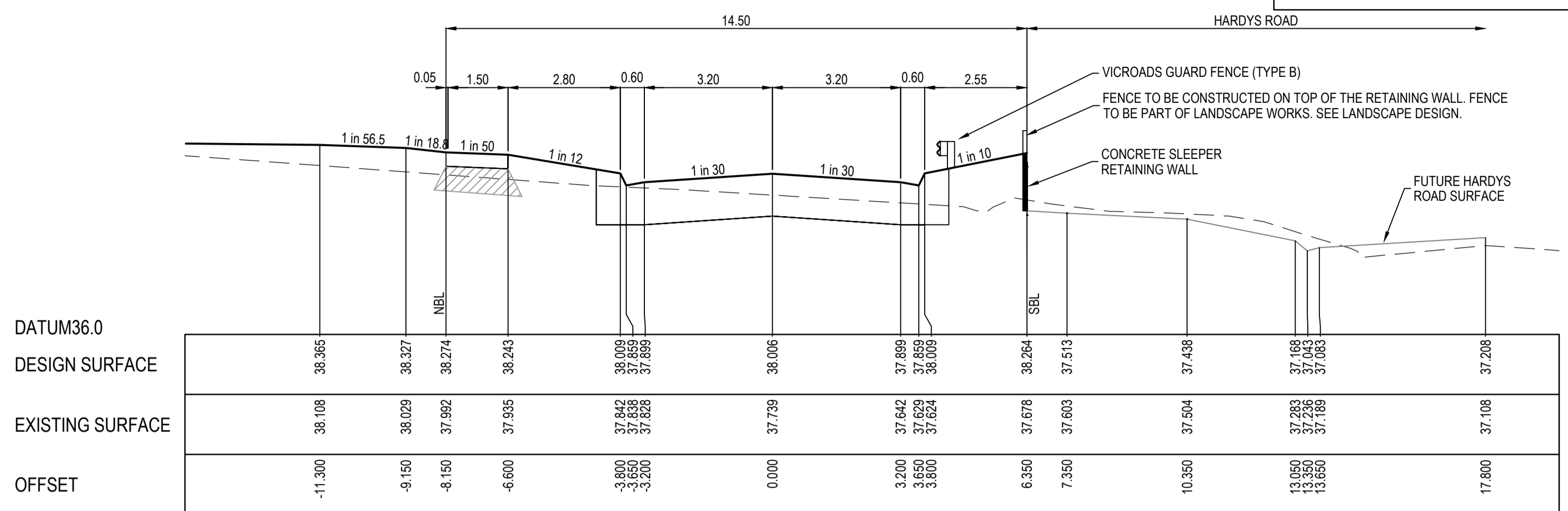
CH 52.300



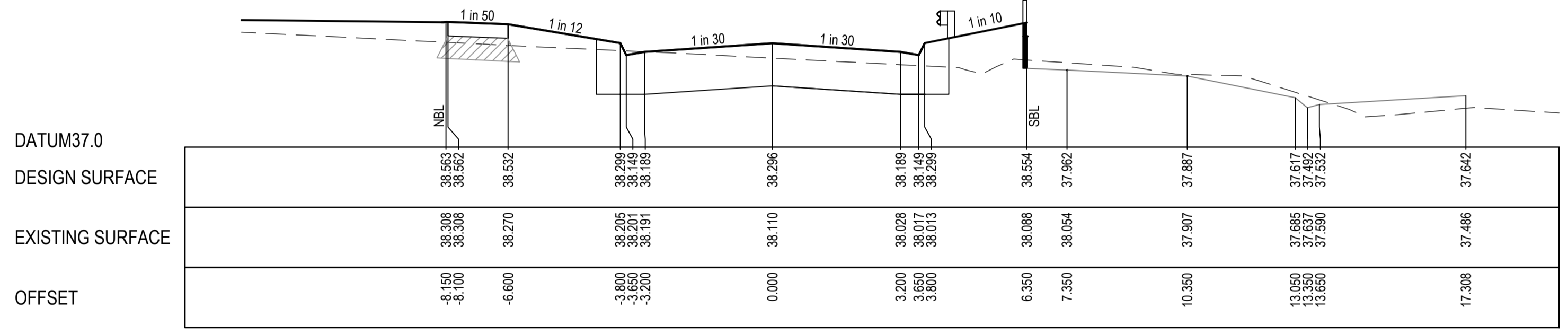
CH 31.300



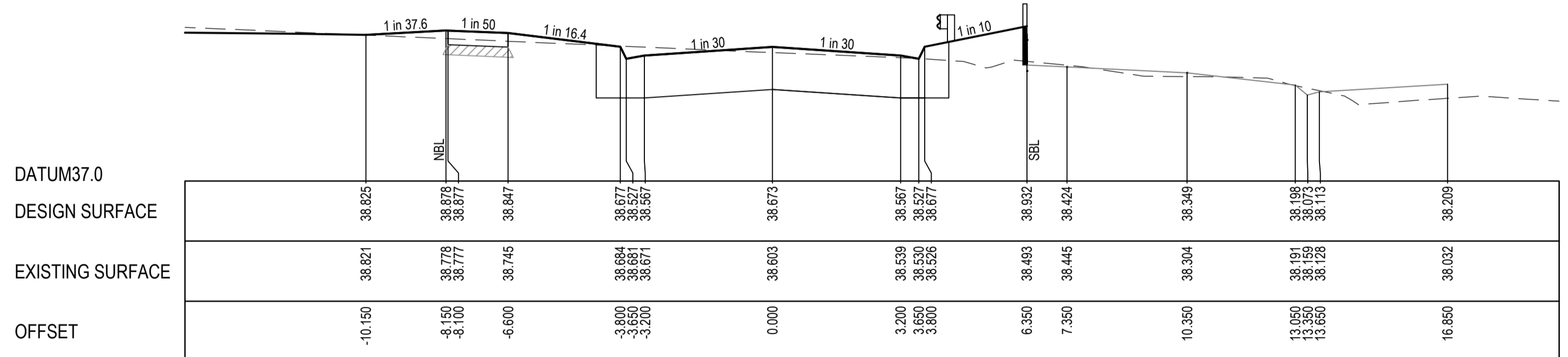
TPCH 11.800



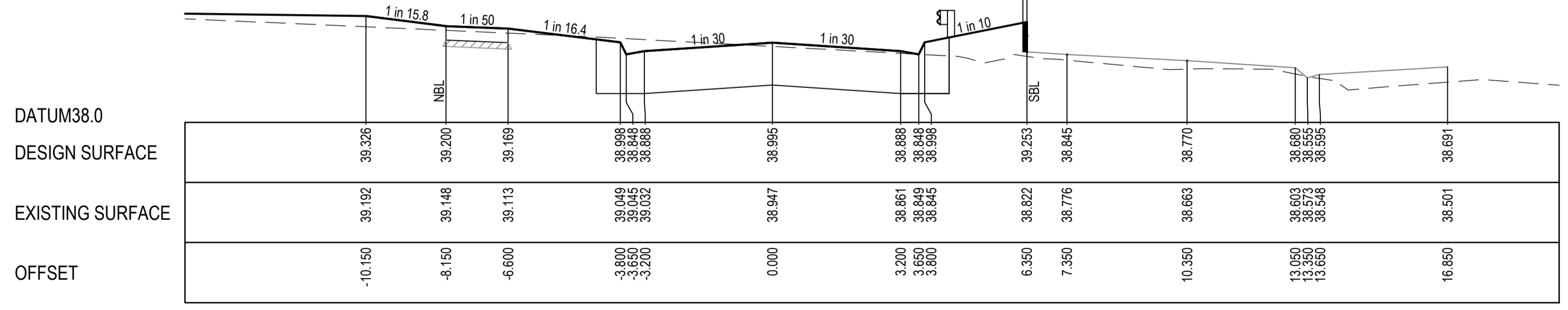
CH 390.454
LIMIT OF WORKS



LTPCH 373.404



LTPCH 349.804

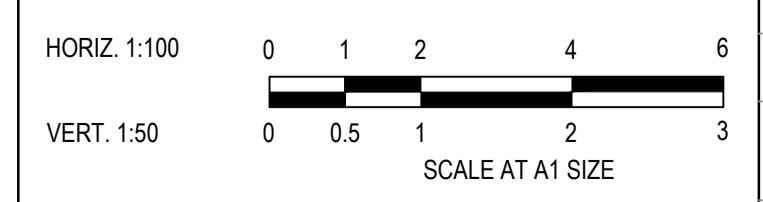


CH 329.704
LIMIT OF WORKS

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A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



Designed: C.DAWSON
Date: 20.12.2022
Drawn: C.DAWSON
Checked: M.FELICIANO
Date: 22.12.2022
Approved: M.FELICIANO
Reg. No: PE0005645
Date: 23.12.2022
PS Number: PS908399D

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

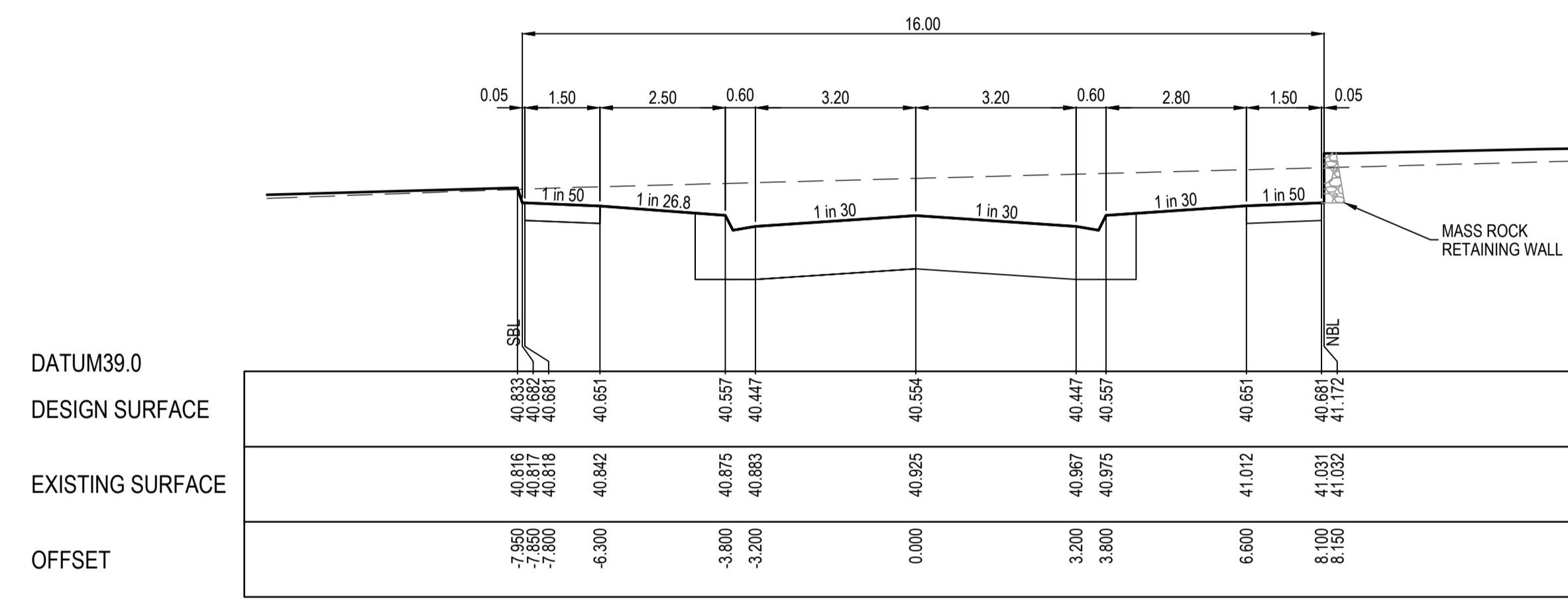
Drawing Title
ROAD CROSS SECTIONS
ALAMBADI CIRCUIT
(SHEET 1 OF 2)

Sheet	10 of 22
Scale	1:100 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	200
Rev	A

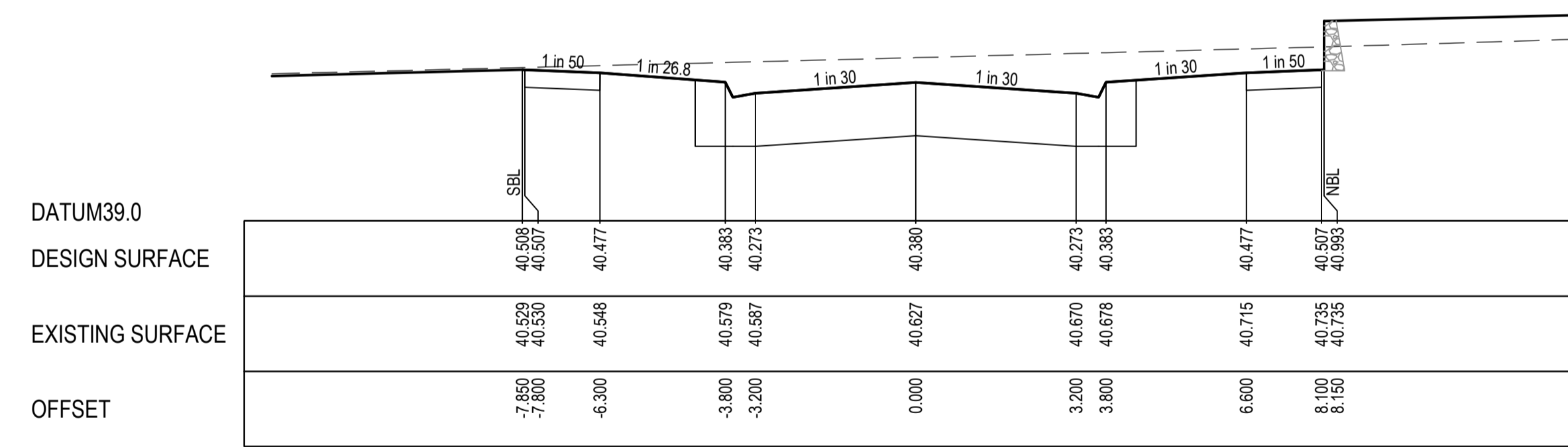
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



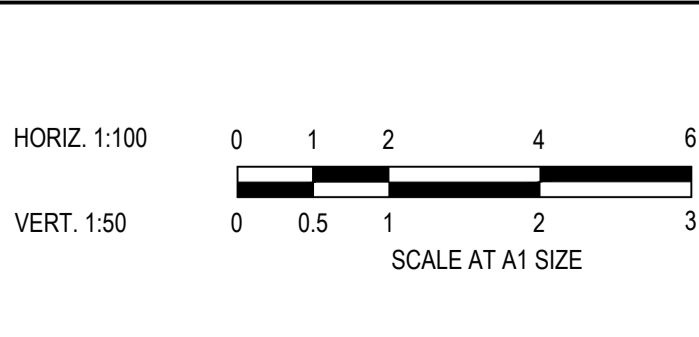
TPCH 815.530



CH 805.288
LIMIT OF WORKS

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

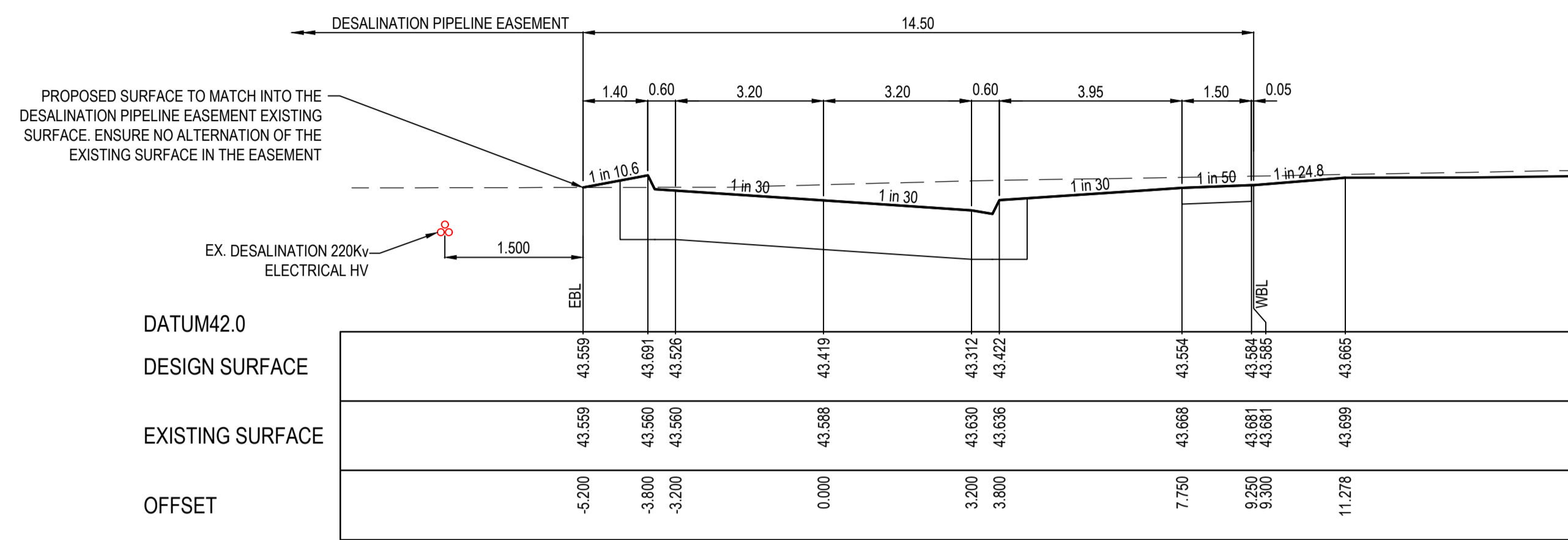
Drawing Title
ROAD CROSS SECTIONS
ALAMBADI CIRCUIT
(SHEET 2 OF 2)

Sheet	11 of 22
Scale	1:100 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	201
Rev	A

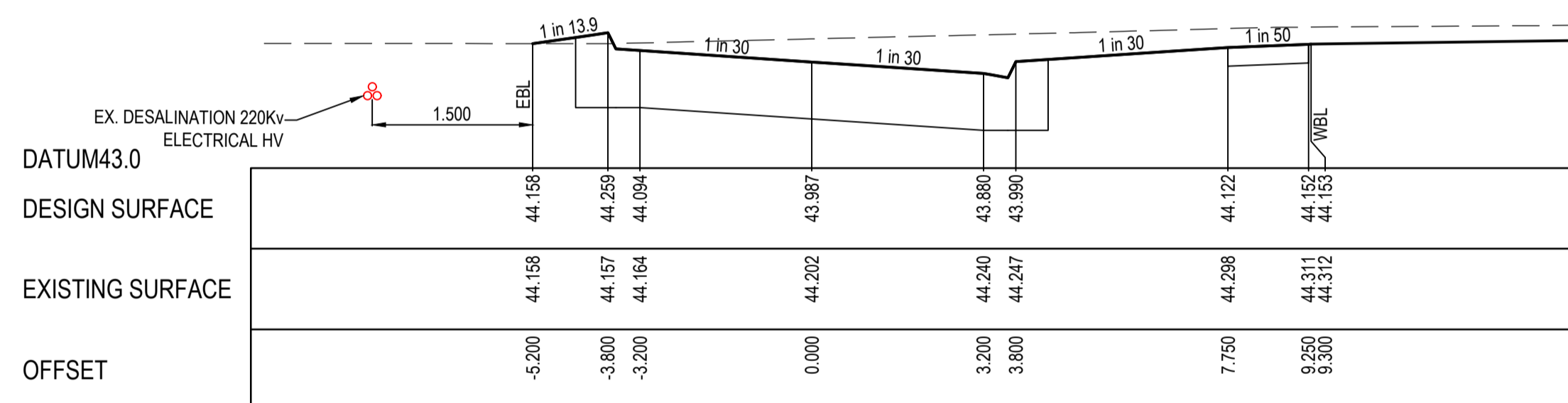
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STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

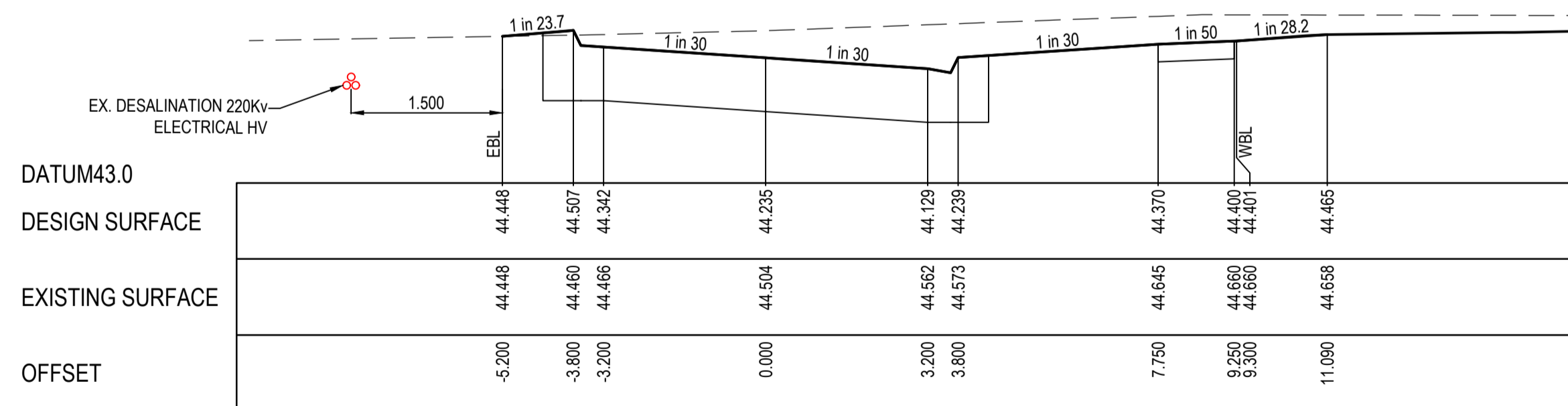
LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	STRUCTURAL FILL



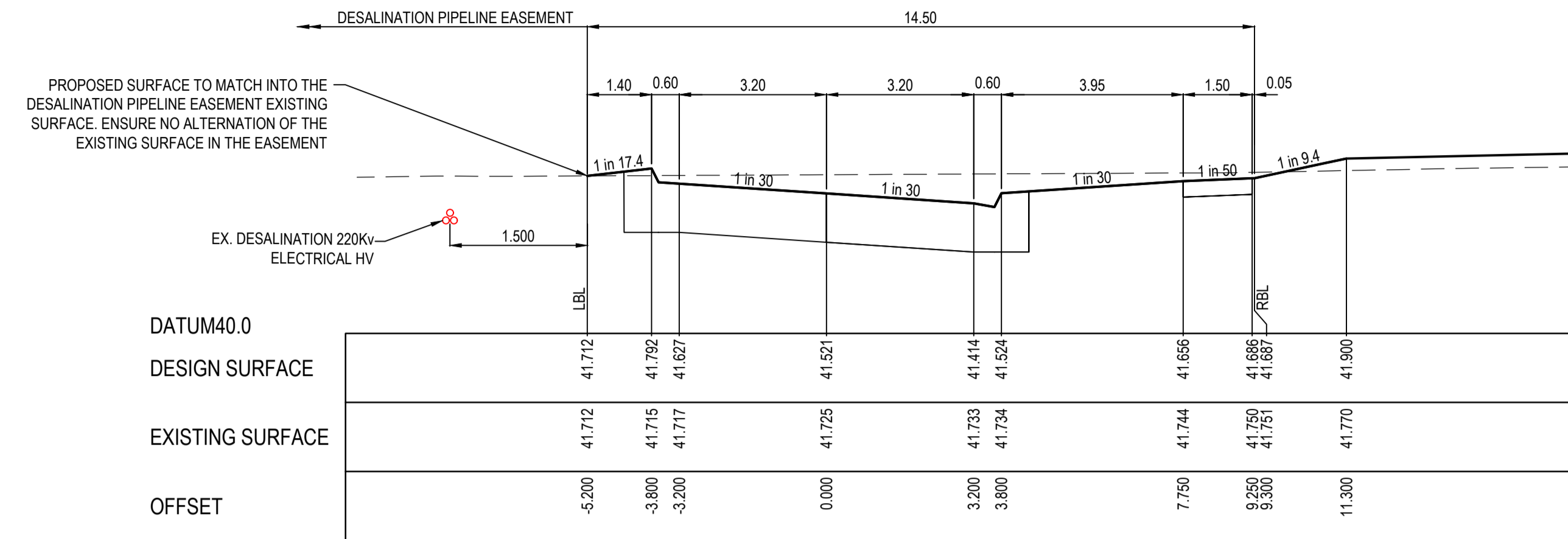
RTPCH 788.524



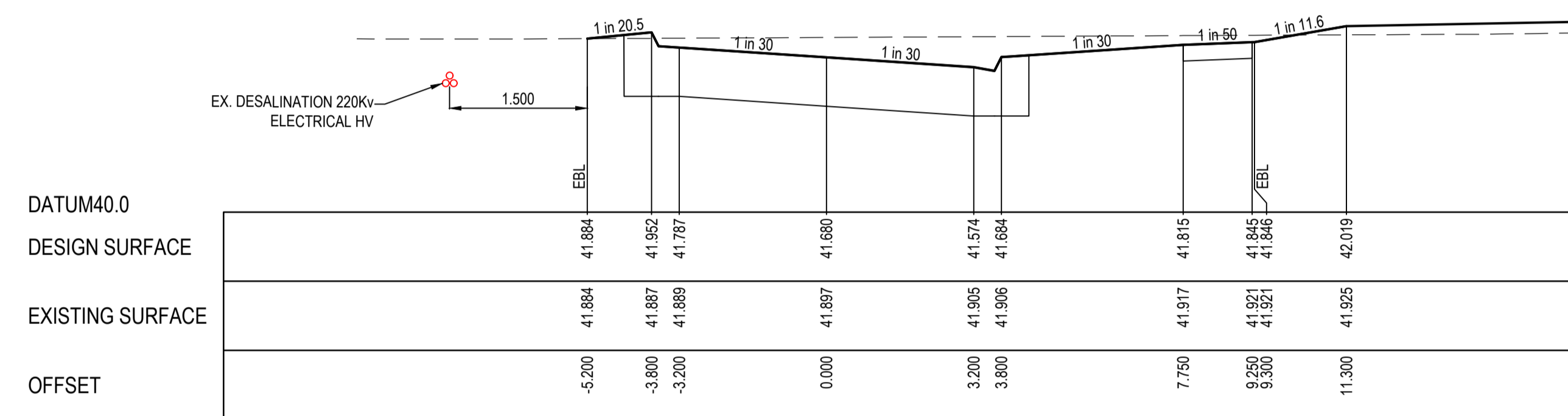
CH 761.474



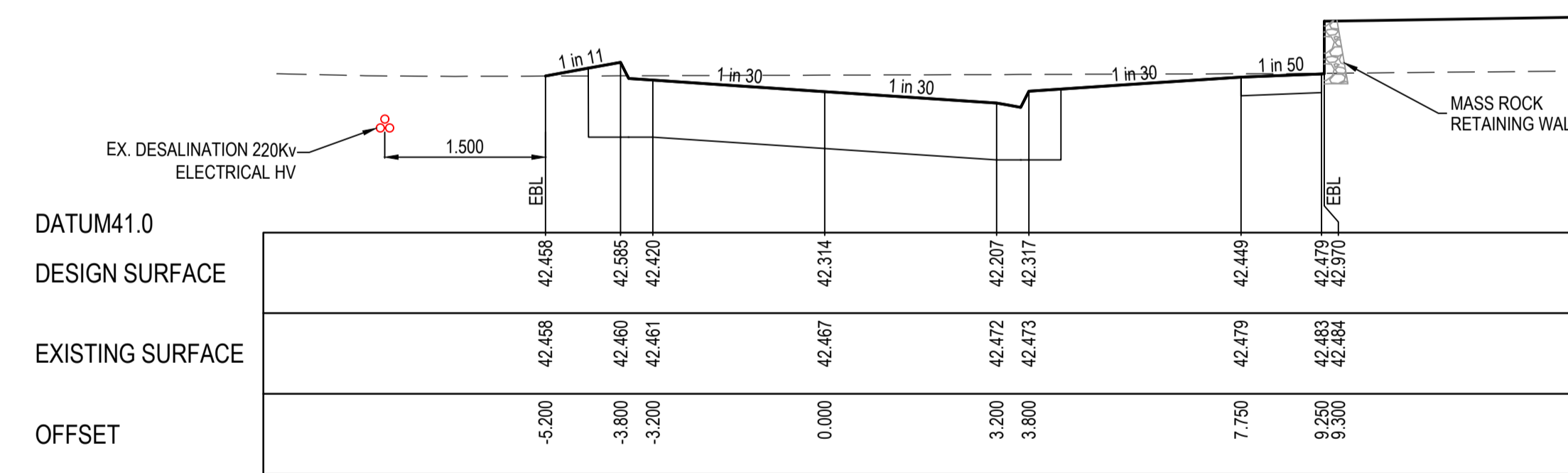
CH 737.474
LIMIT OF WORKS



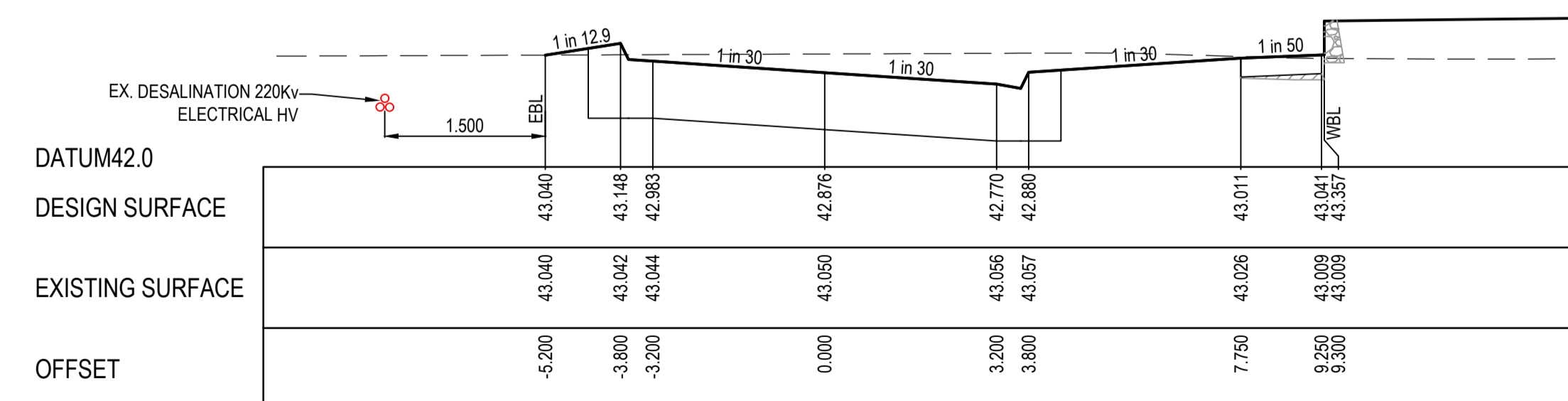
TPCB 862.824



CH 855.224



CH 832.224

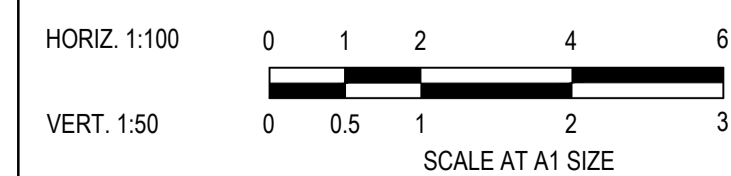


RTPCH 812.124

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Project Details	MERIDIAN CENTRAL ESTATE STAGE 43 CITY OF CASEY
Drawing Title	ROAD CROSS SECTIONS CARORA CIRCUIT (SHEET 1 OF 3)

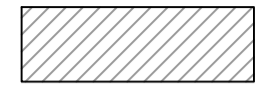
Sheet 12 of 22

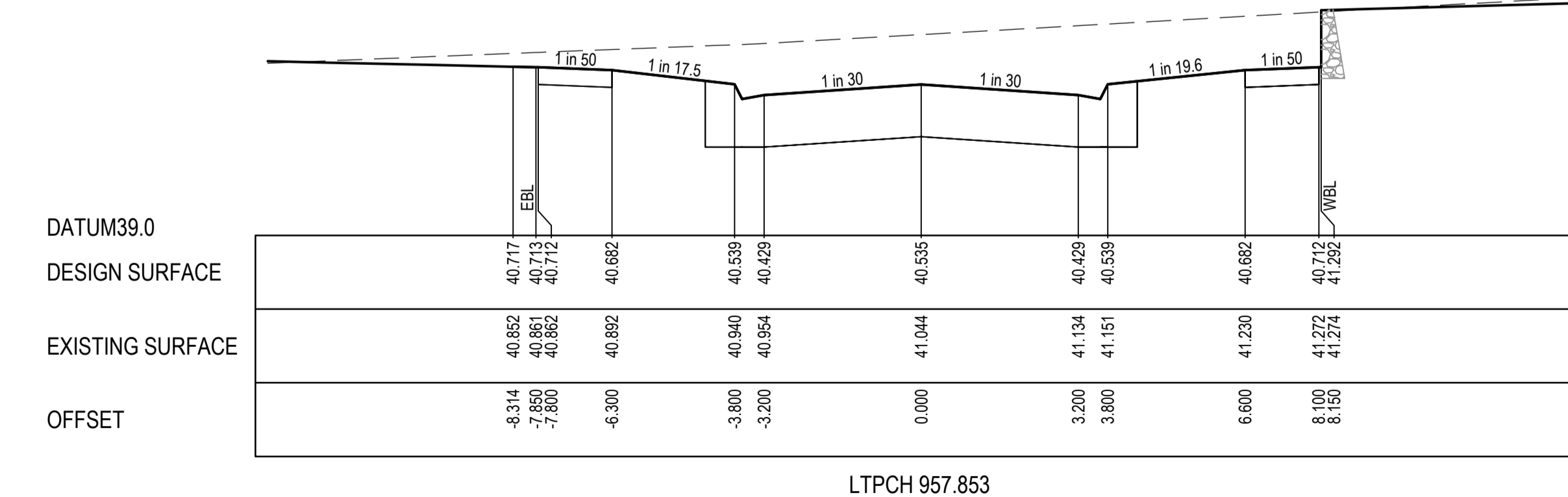
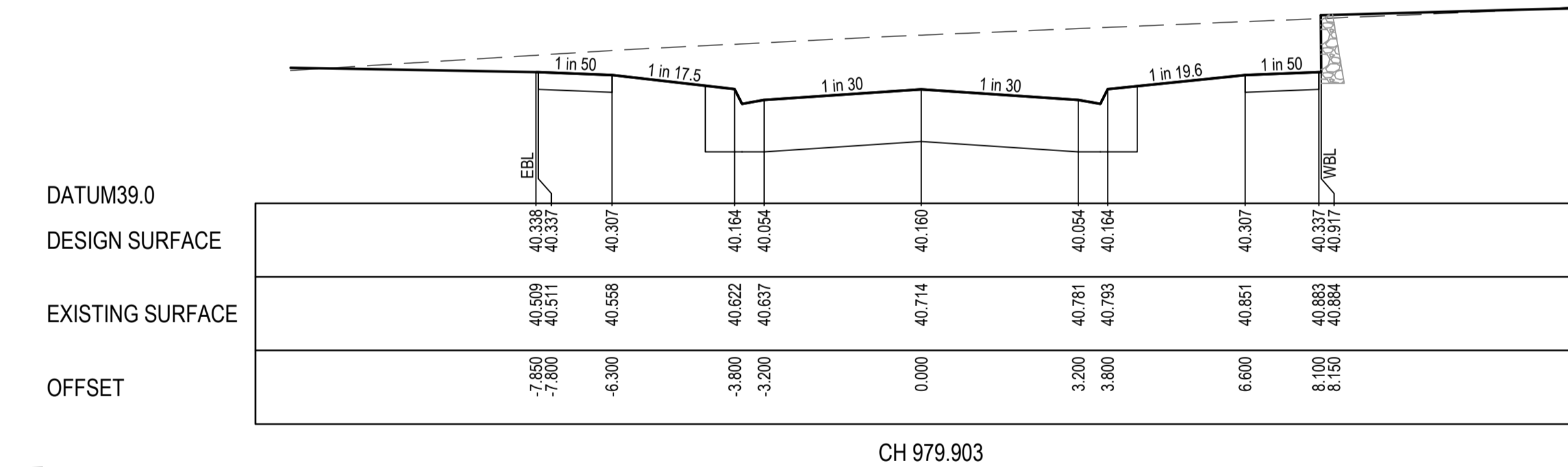
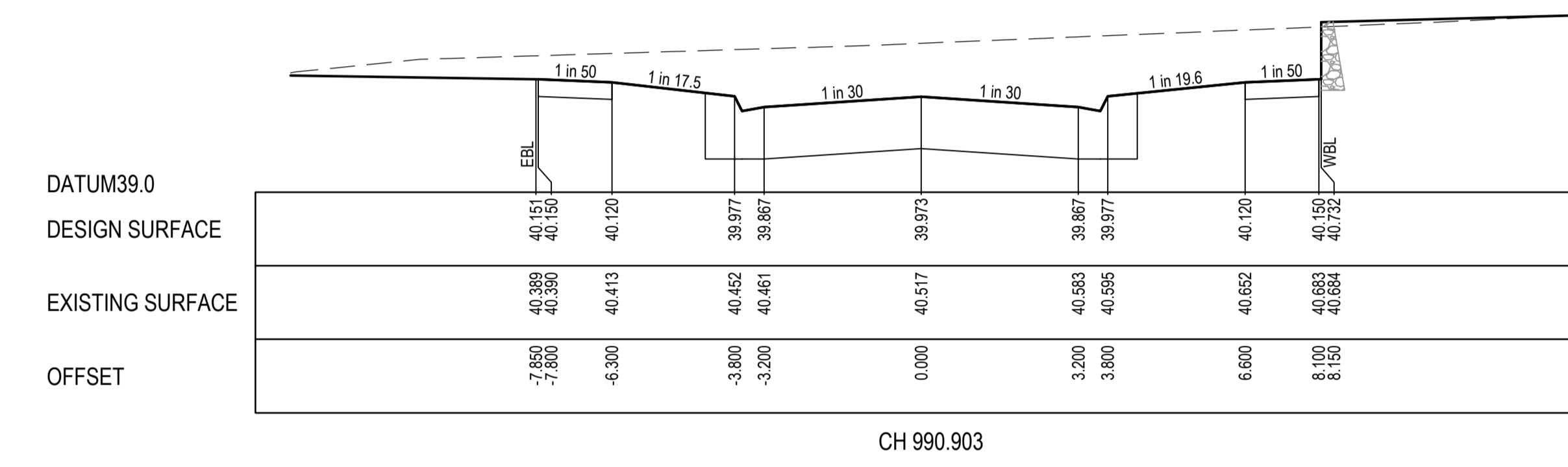
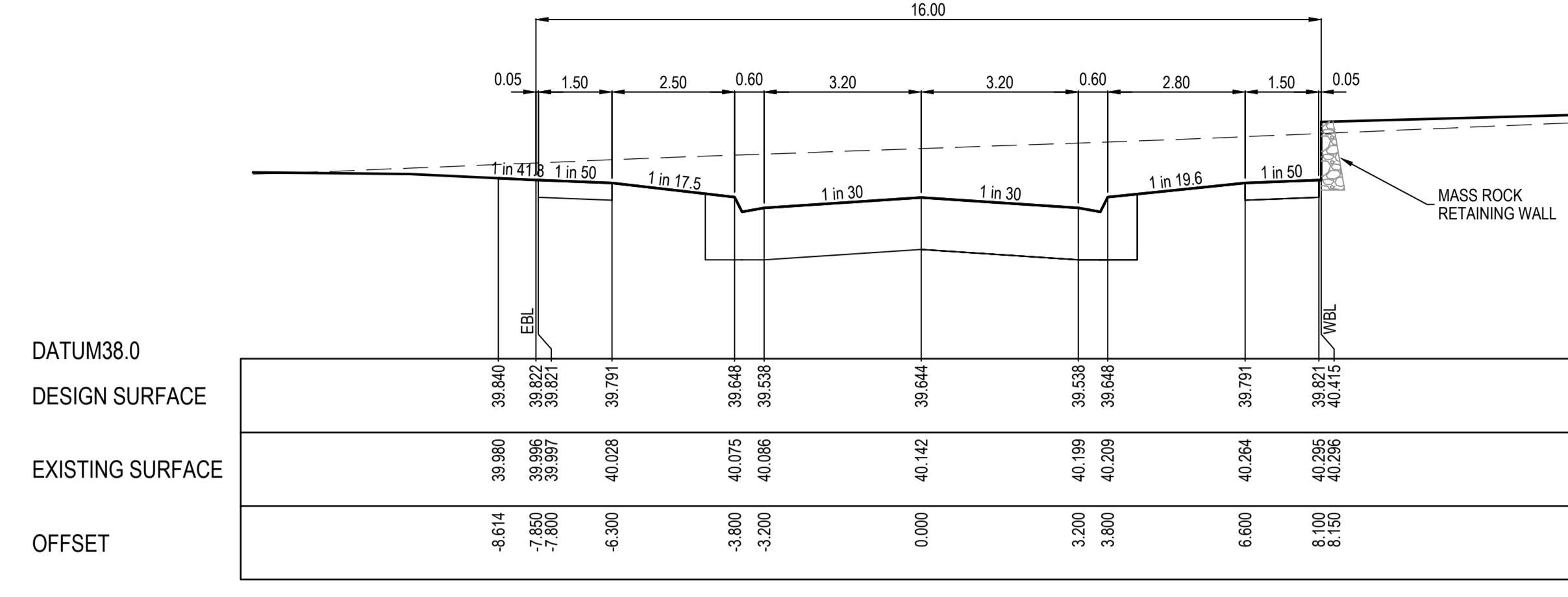
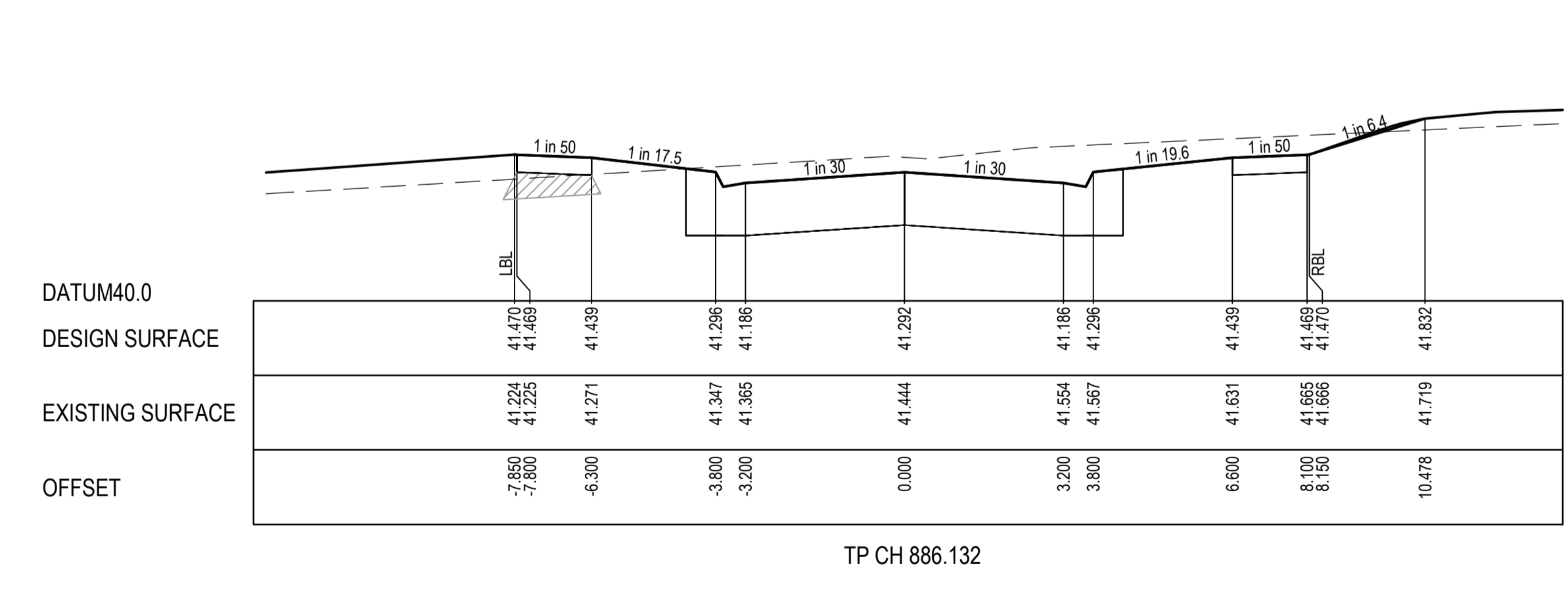
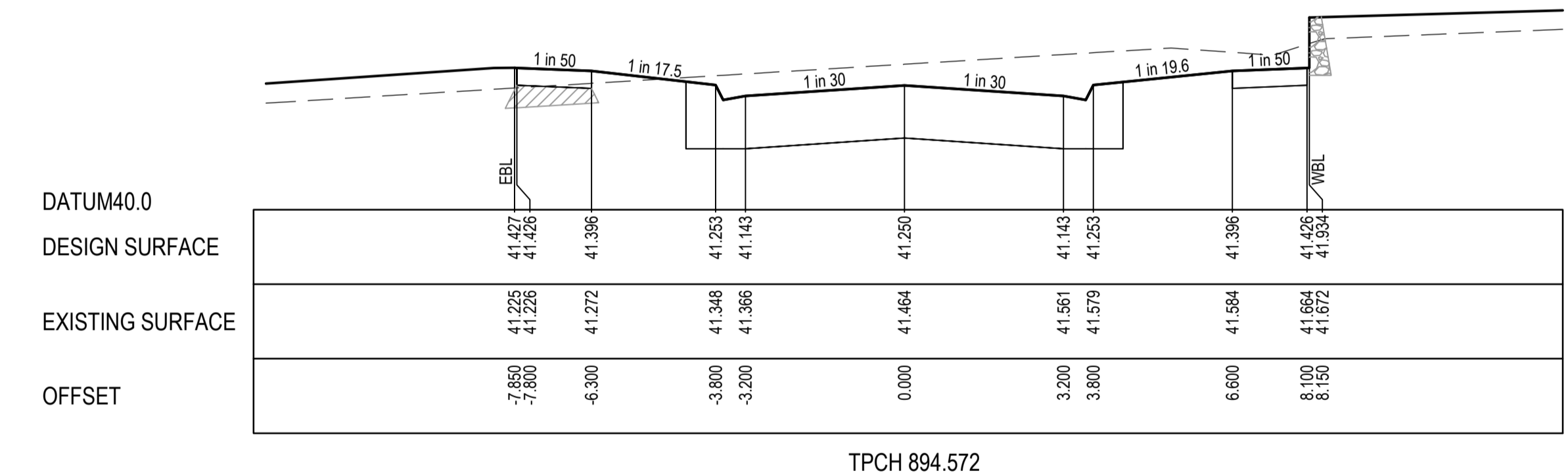
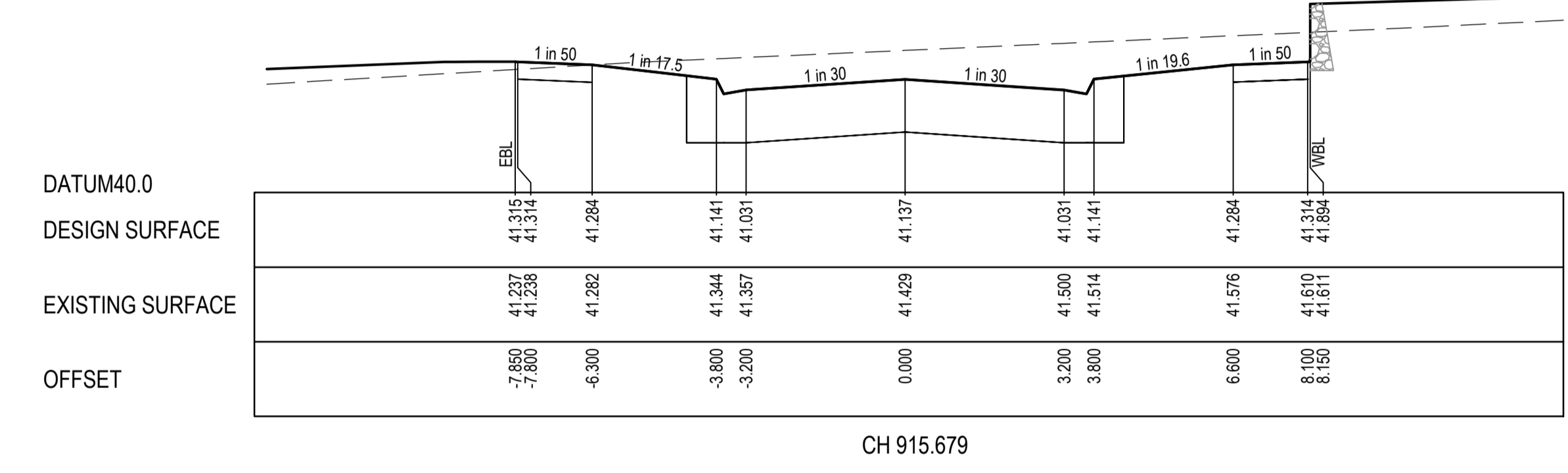
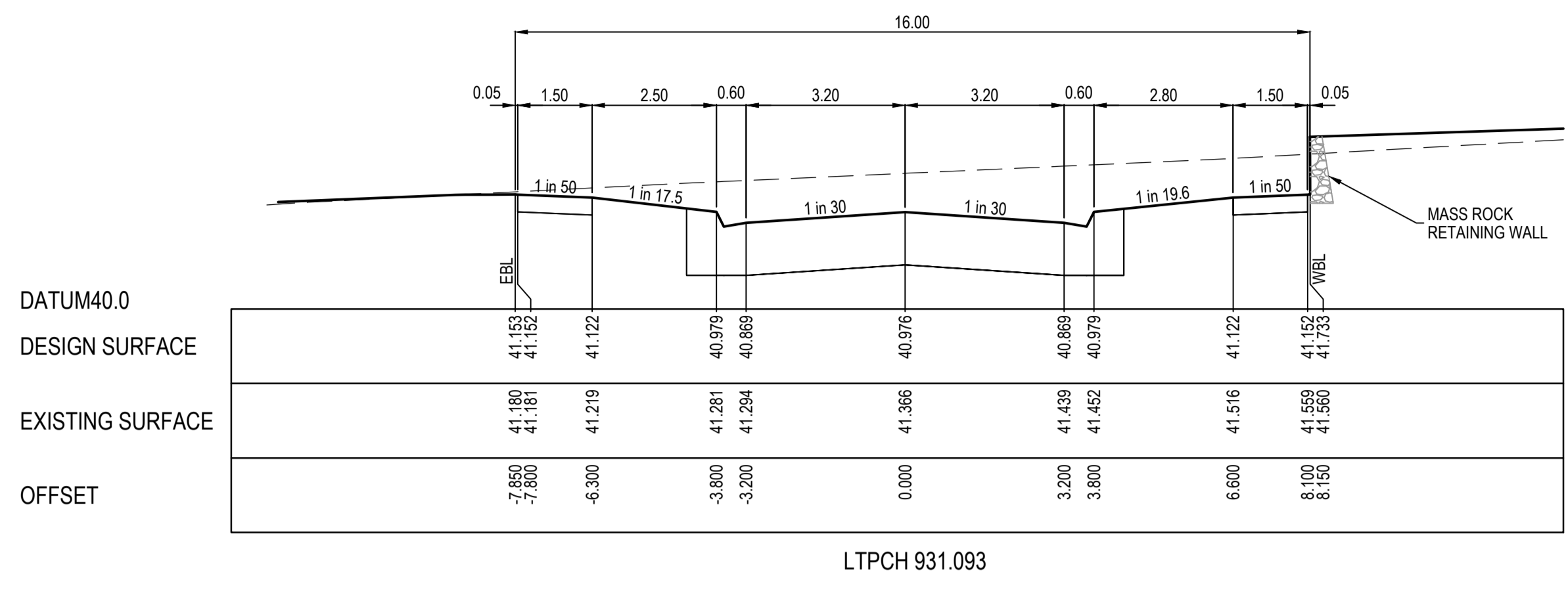
Scale
1:100 H 1:50 V @ A1

Project Ref	Stage No	Drawing No	Rev
1801767	43	202	A

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

LEGEND

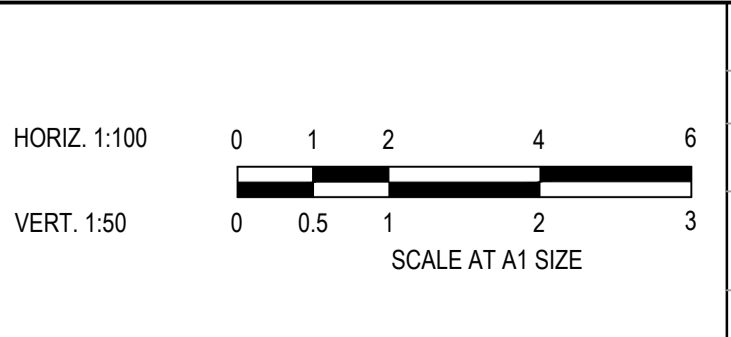
- - - - - EXISTING SURFACE
- DESIGN SURFACE
-  STRUCTURAL FILL



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A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



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Date: 20.12.2022
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Reg. No: PE0005645
Date: 23.12.2022
PS Number: PS908399D

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

Drawing Title
ROAD CROSS SECTIONS
CARORA CIRCUIT
(SHEET 2 OF 3)

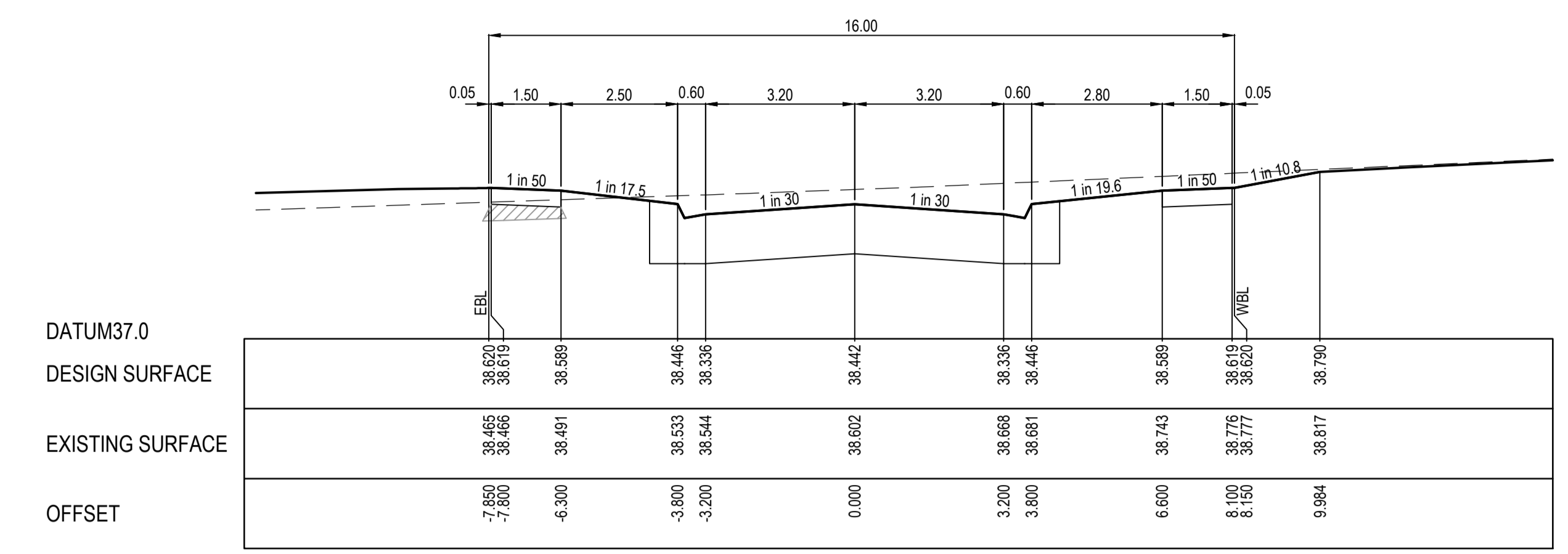
Sheet	13 of 22
Scale	1:100 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	203
Rev	A

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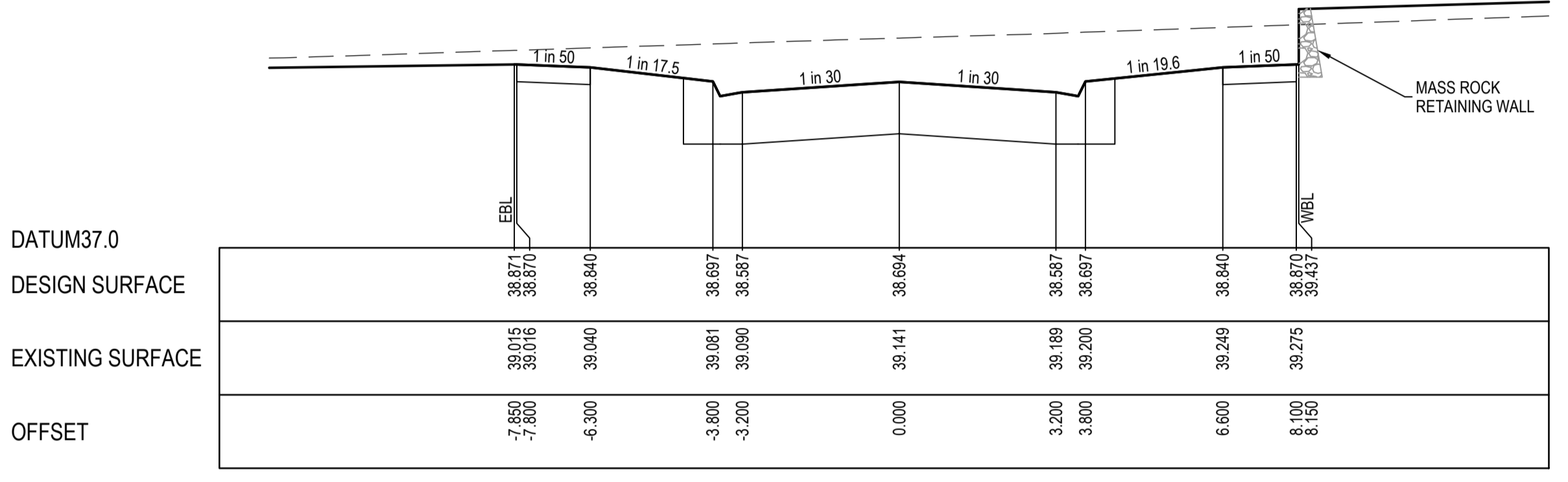
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

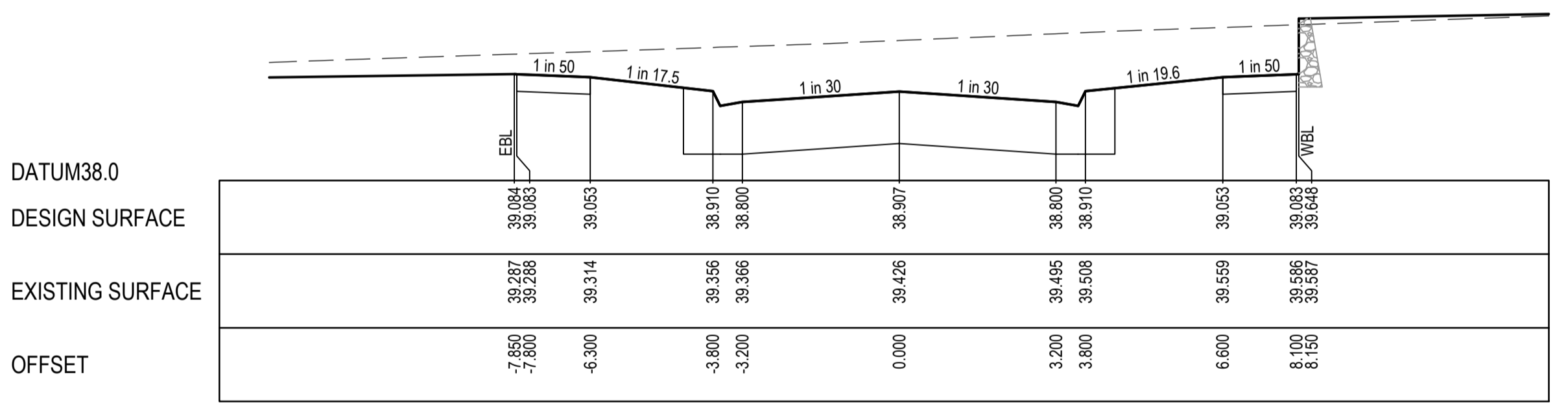
- EXISTING SURFACE
- DESIGN SURFACE
- ▨ STRUCTURAL FILL



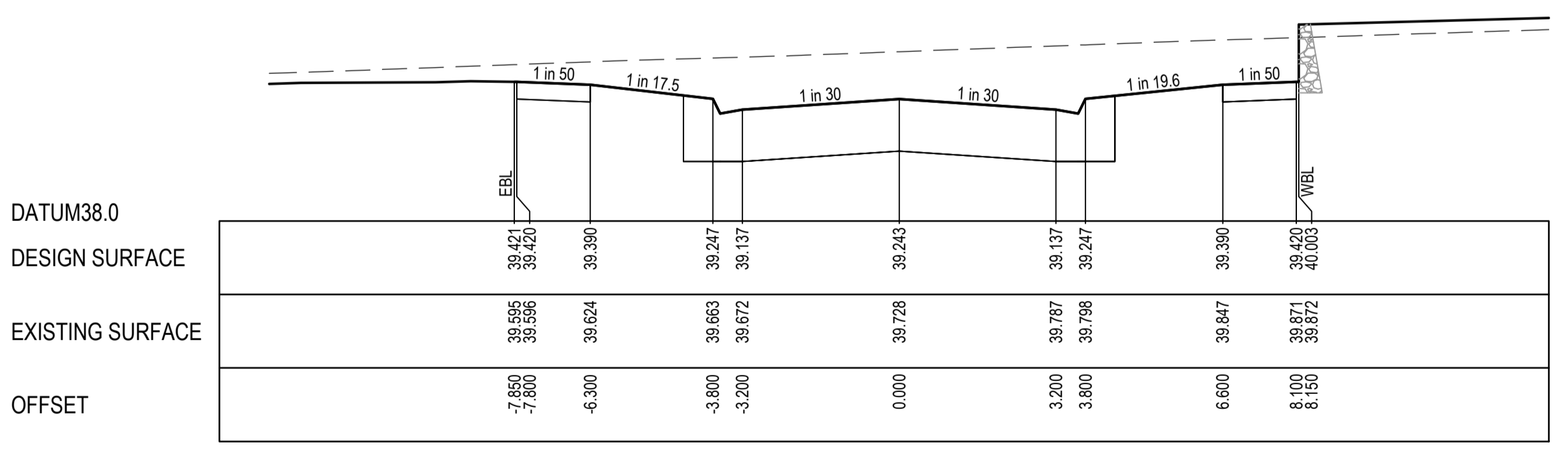
TPCH 1086.253



CH 1066.153



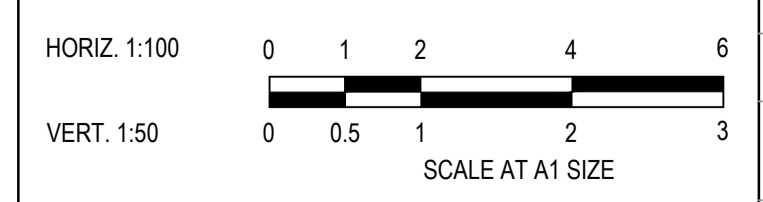
CH 1053.653



LTPCH 1033.853

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Date	20.12.2022
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Date	22.12.2022
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Reg. No.	PE0005645
Date	23.12.2022
PS Number	PS908399D


Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

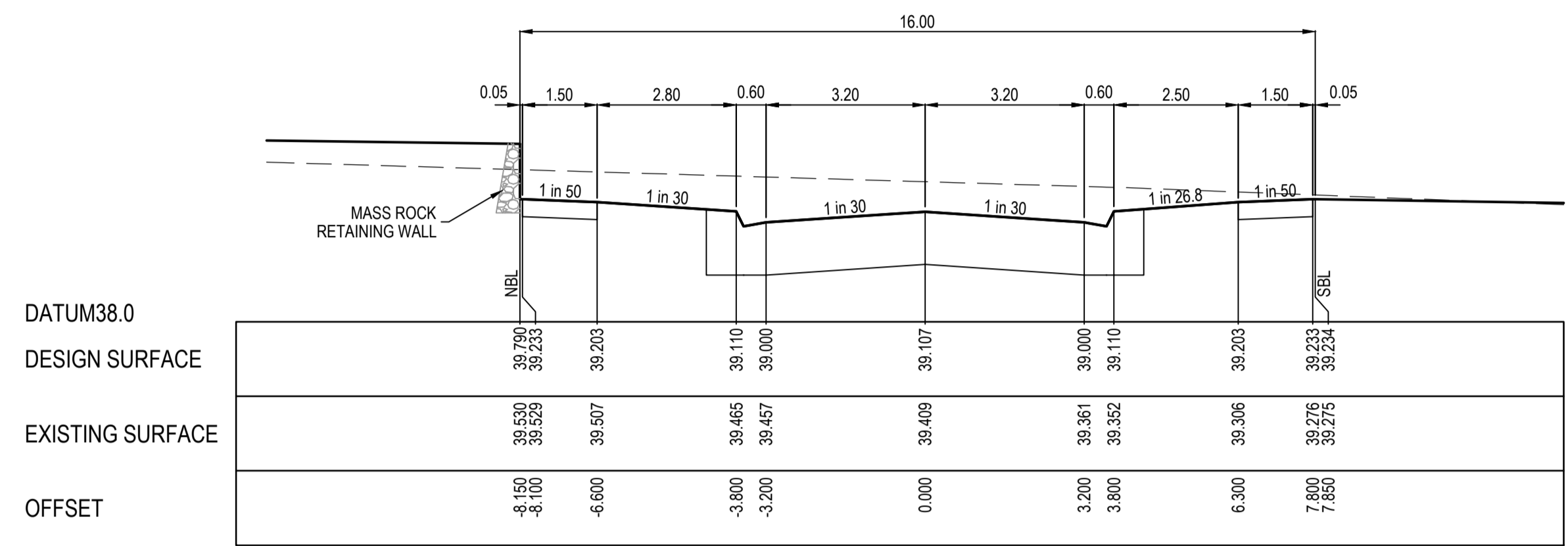
Drawing Title
ROAD CROSS SECTIONS
CARORA CIRCUIT
(SHEET 3 OF 3)

Sheet	14 of 22
Scale	1:100 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	204
Rev	A

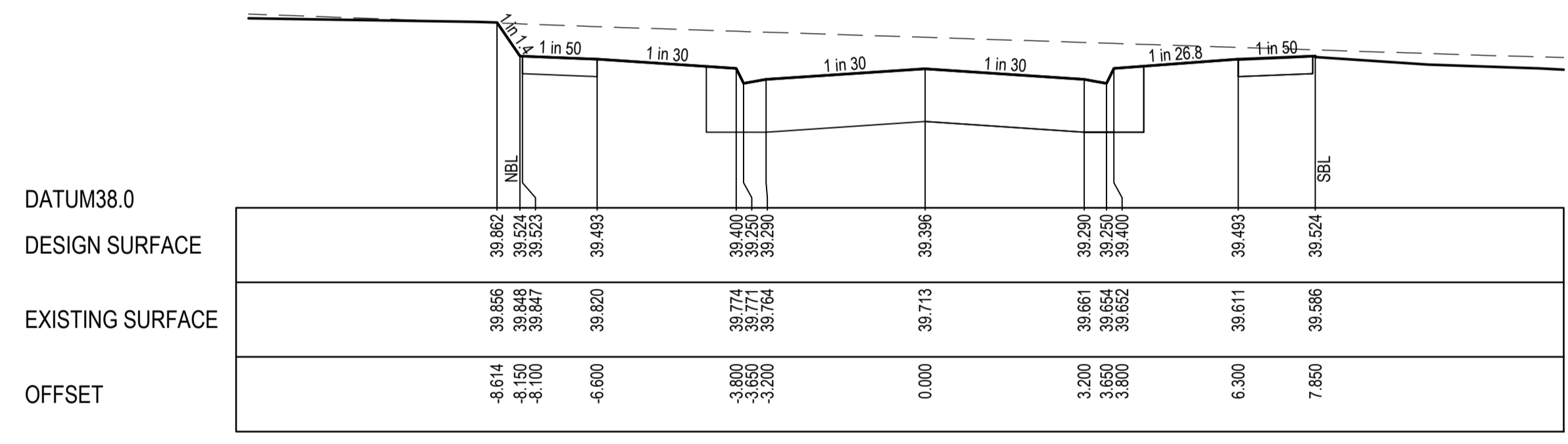
STRUCTURAL FILL REQUIRED UNDER PAVEMENT AND FOOTPATHS WHERE CONSTRUCTED ABOVE NATURAL SURFACE. REFER GEOTECH REPORT FOR SPECIFICATION

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
-  STRUCTURAL FILL



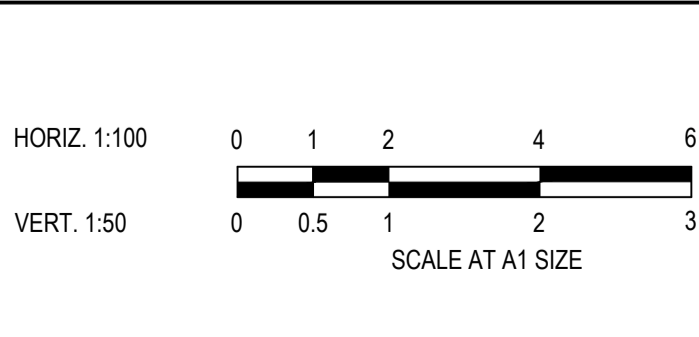
CH 28.850
LIMIT OF WORKS



TPCH 11.800

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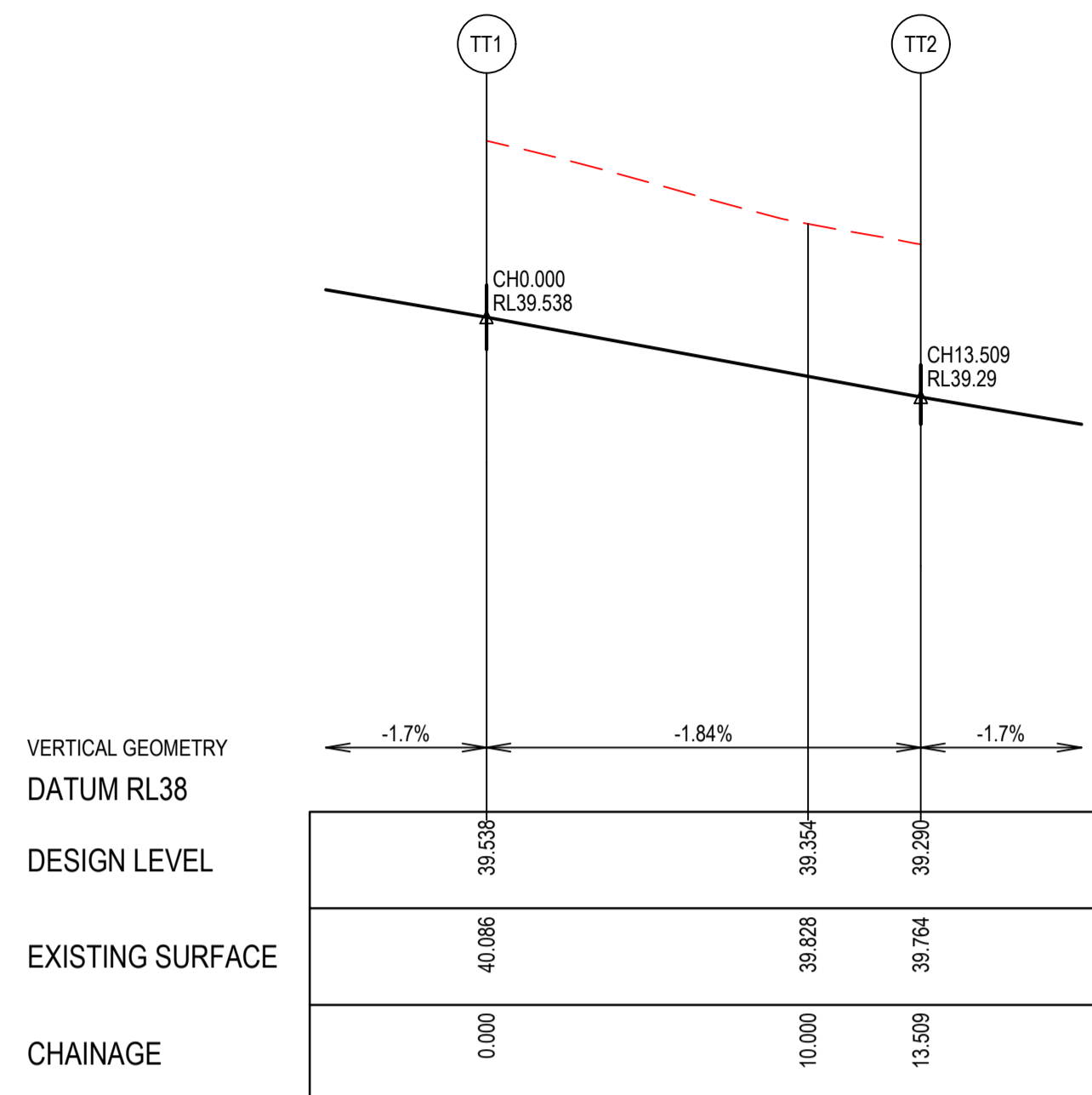
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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

Drawing Title
ROAD CROSS SECTIONS
HERENS ROAD

Sheet	15 of 22
Scale	1:100 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	205
Rev	A

K:\Jobs Data\1801767 - Meridian_Eng\Stage 43\Drawings\1801767-43-200-RXS.dwg

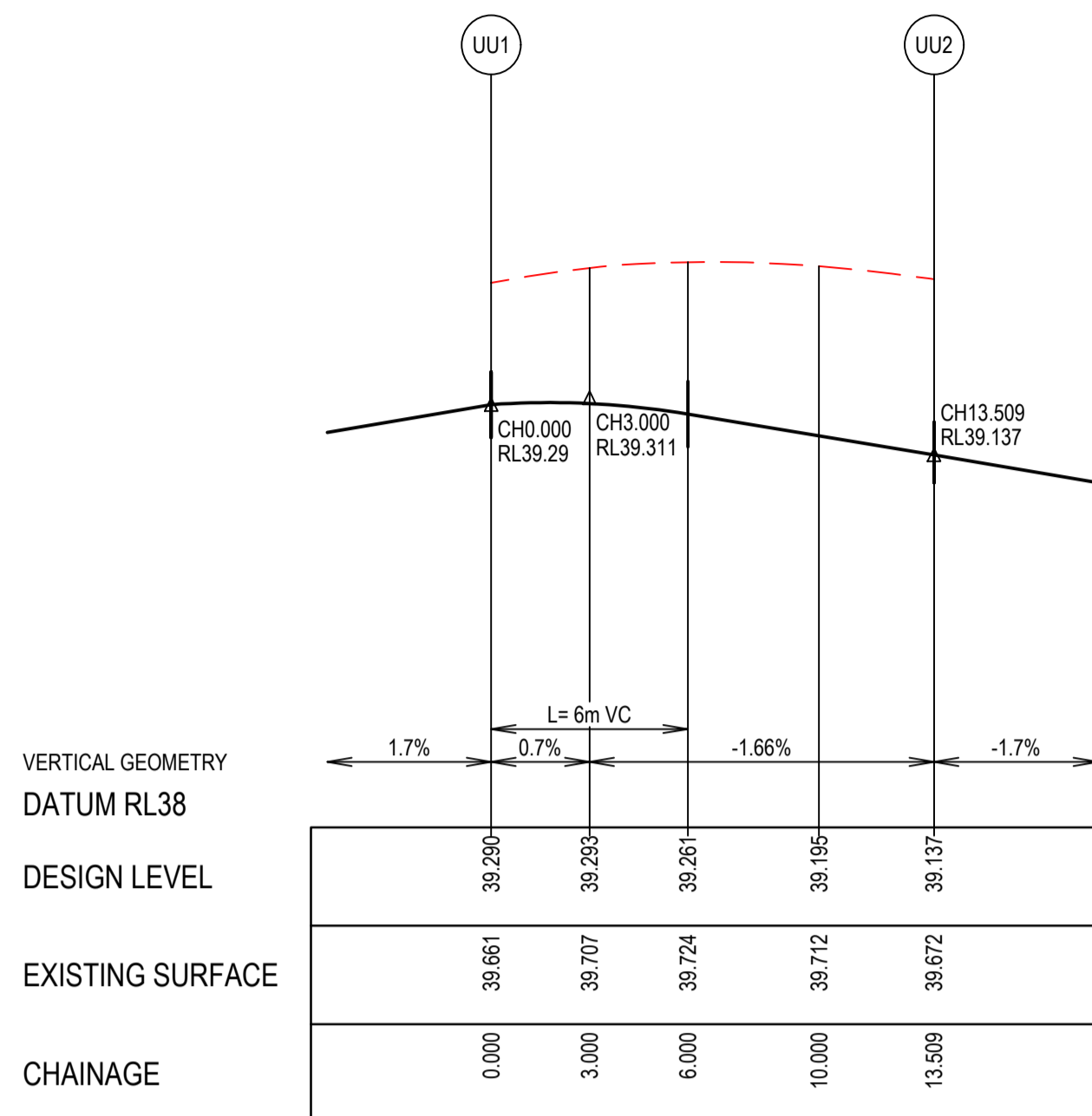


LIP LINE TT

LIP LINE TT

Point no	Easting	Northing	RL
TT1	2689.778	255.041	39.538
TT2	2697.244	245.440	39.290

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
TT1 - TT2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	39.414

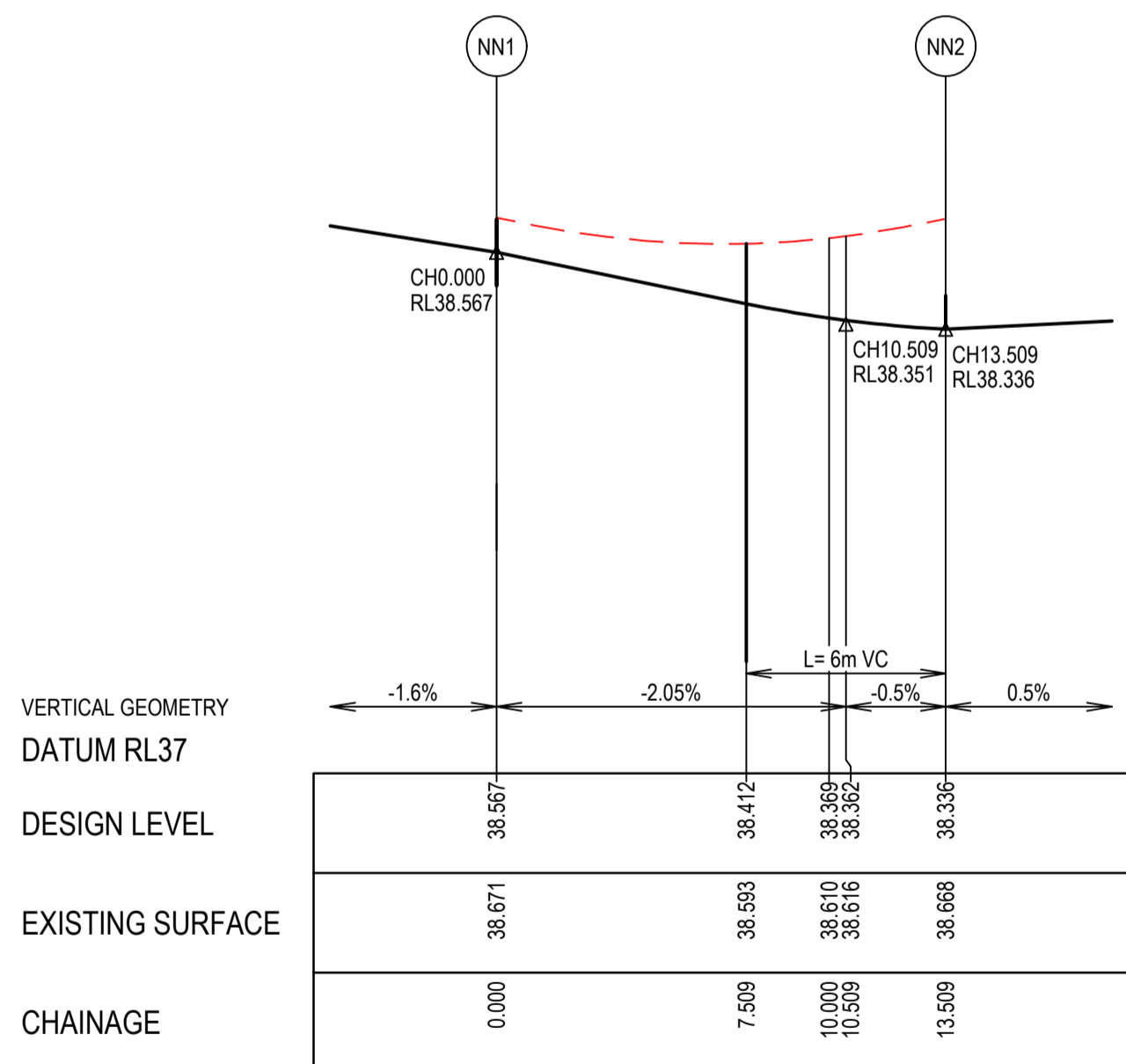
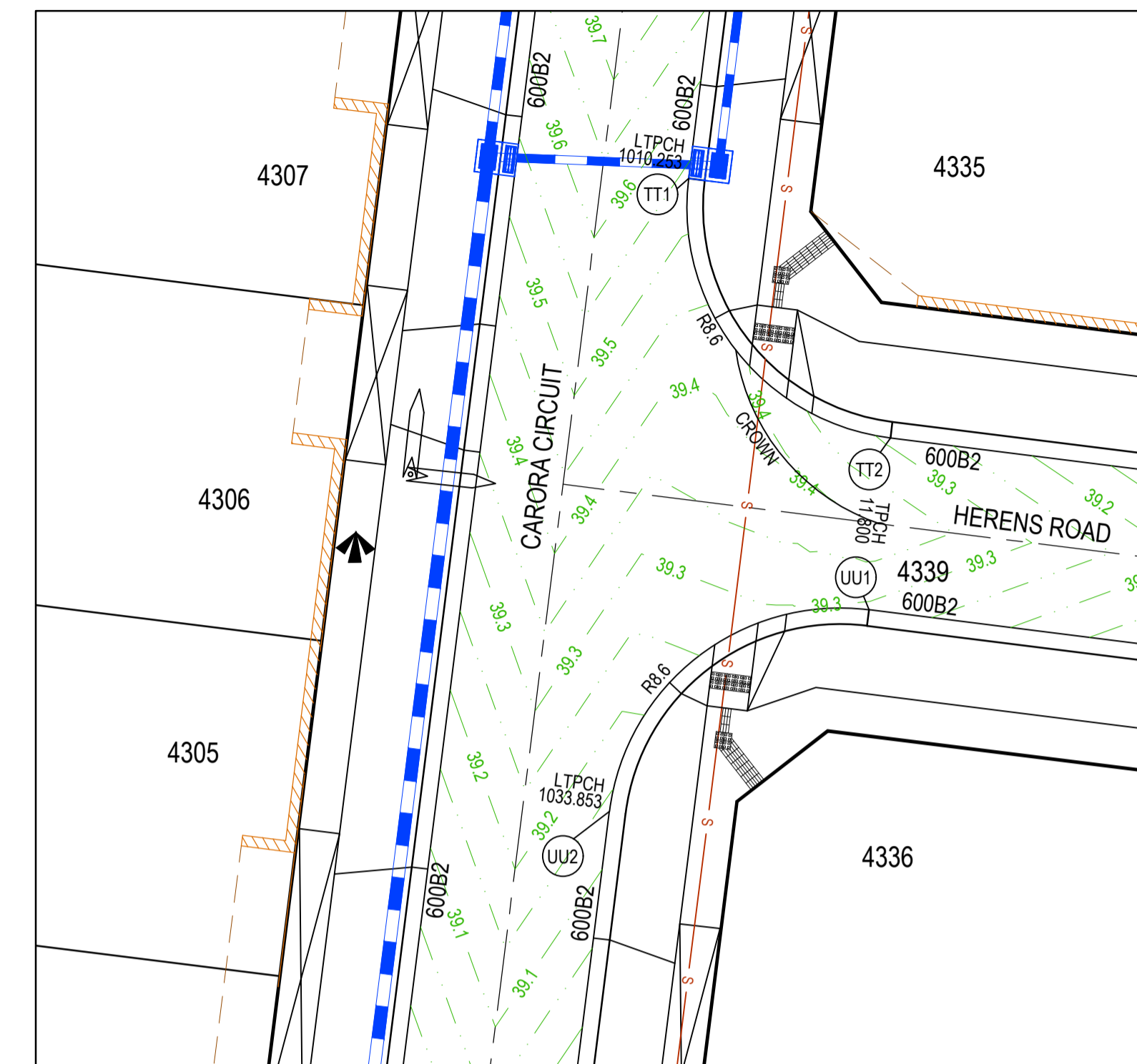


LIP LINE UU

LIP LINE UU

Point no	Easting	Northing	RL
UU1	2696.449	239.090	39.290
UU2	2686.848	231.624	39.137

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
UU1 - UU2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	39.249

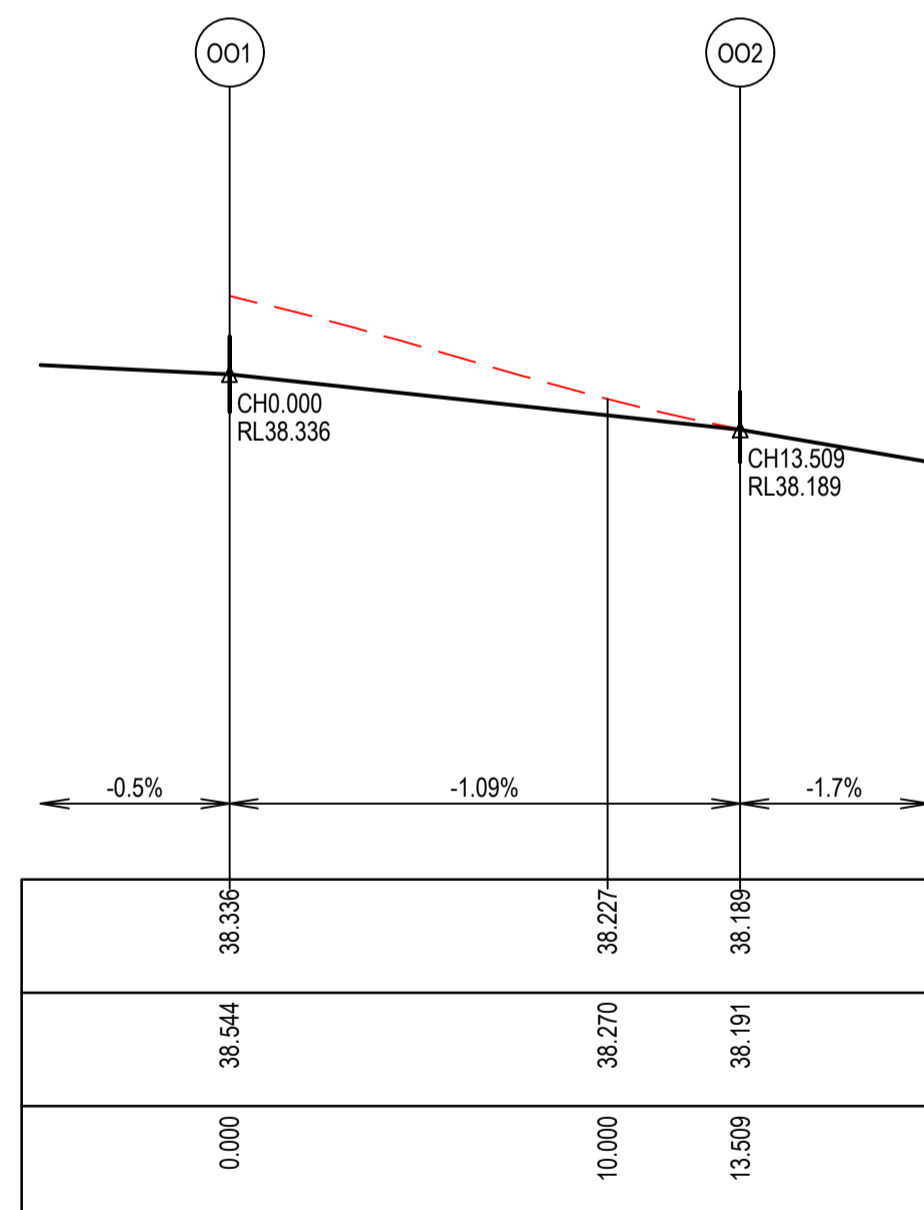


LIP LINE NN

LIP LINE NN

Point no	Easting	Northing	RL
NN1	2664.391	172.958	38.567
NN2	2673.992	180.424	38.336

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
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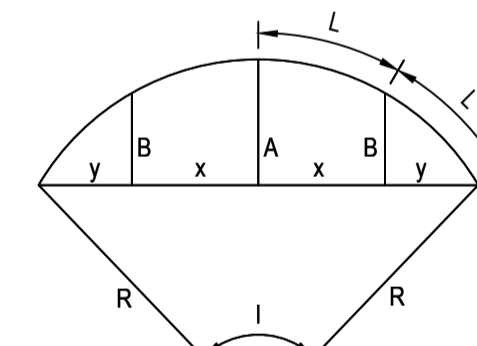


LIP LINE OO

LIP LINE OO

Point no	Easting	Northing	RL
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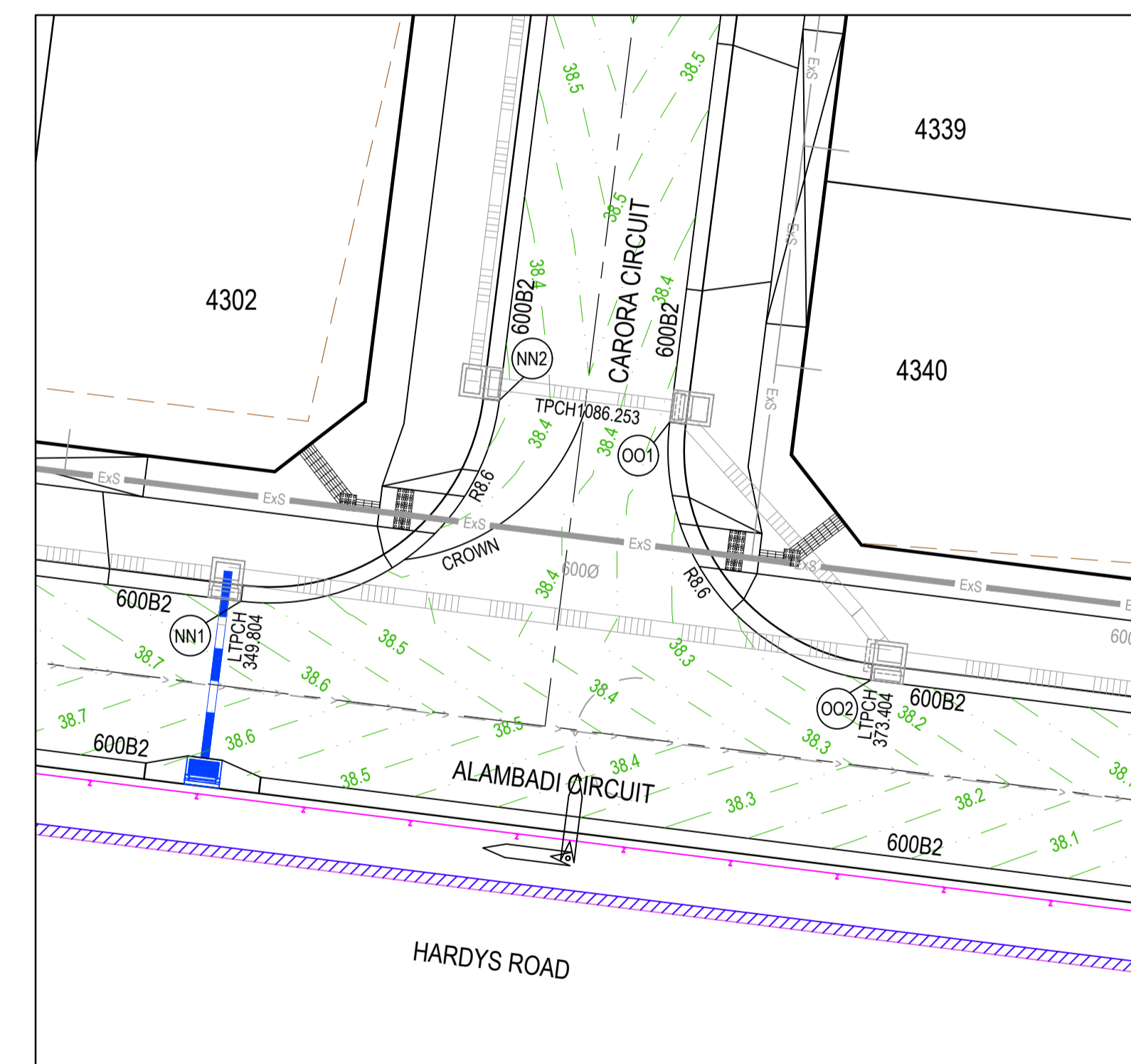
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
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LIP PROFILE SETOUT

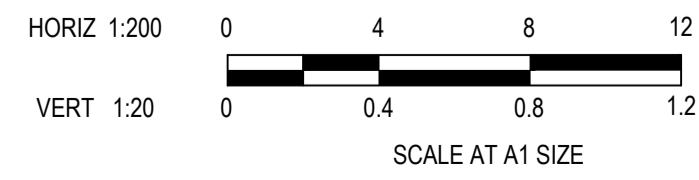
LEGEND

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



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REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



Designed: C.DAWSON
 Date: 20.12.2022
 Drawn: C.DAWSON
 Checked: M.FELICIANO
 Date: 22.12.2022
 Approved: M.FELICIANO
 Reg. No: PE0005645
 Date: 23.12.2022
 PS Number: PS908399D

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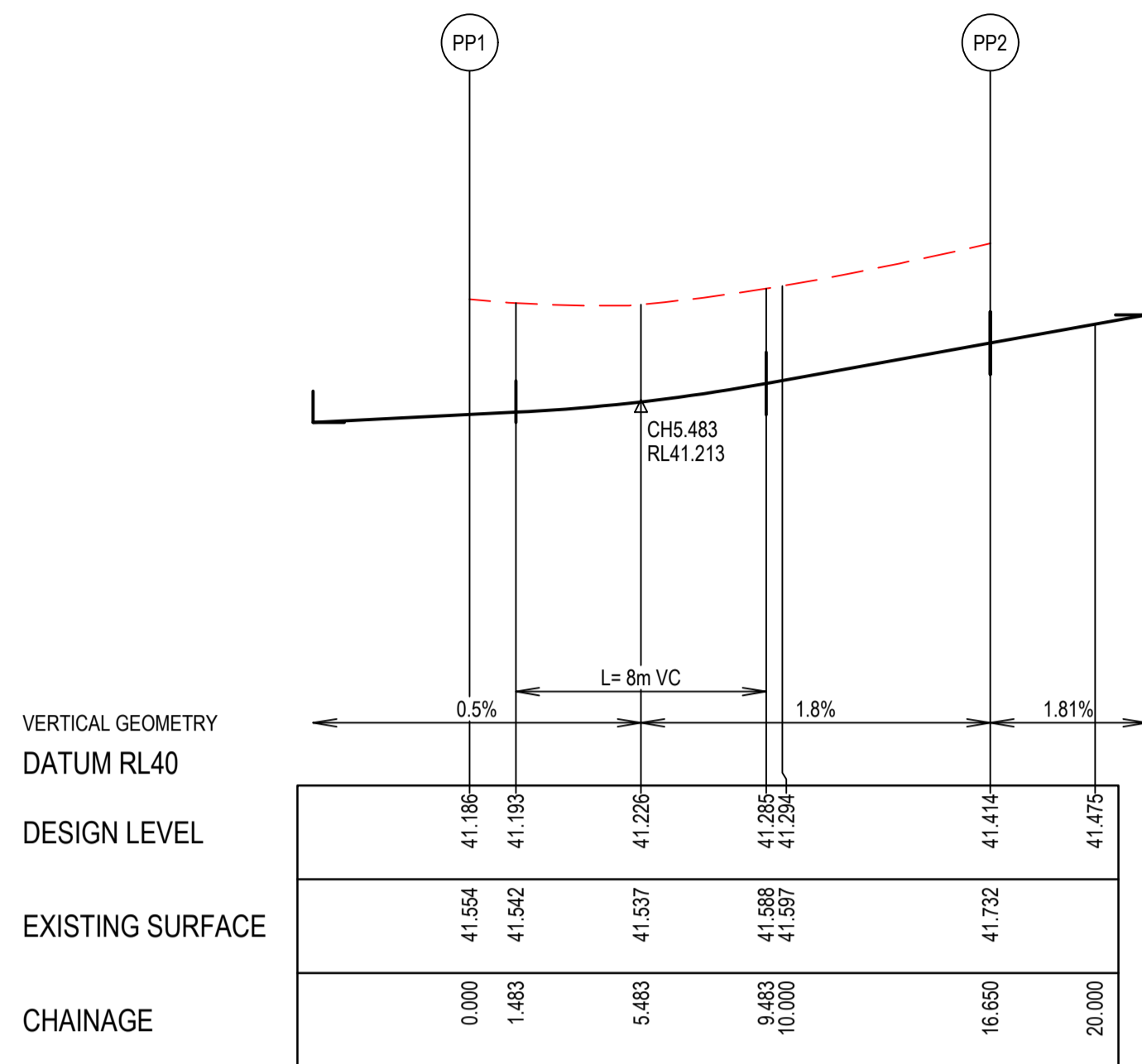
Project Details: MERIDIAN CENTRAL ESTATE
 STAGE 43
 CITY OF CASEY

Drawing Title: INTERSECTION DETAILS
 (SHEET 1 OF 3)

Sheet 16 of 22
 Scale: 1:200 H 1:20 V @ A1

Project Ref: 1801767
 Stage No: 43
 Drawing No: 300
 Rev: A

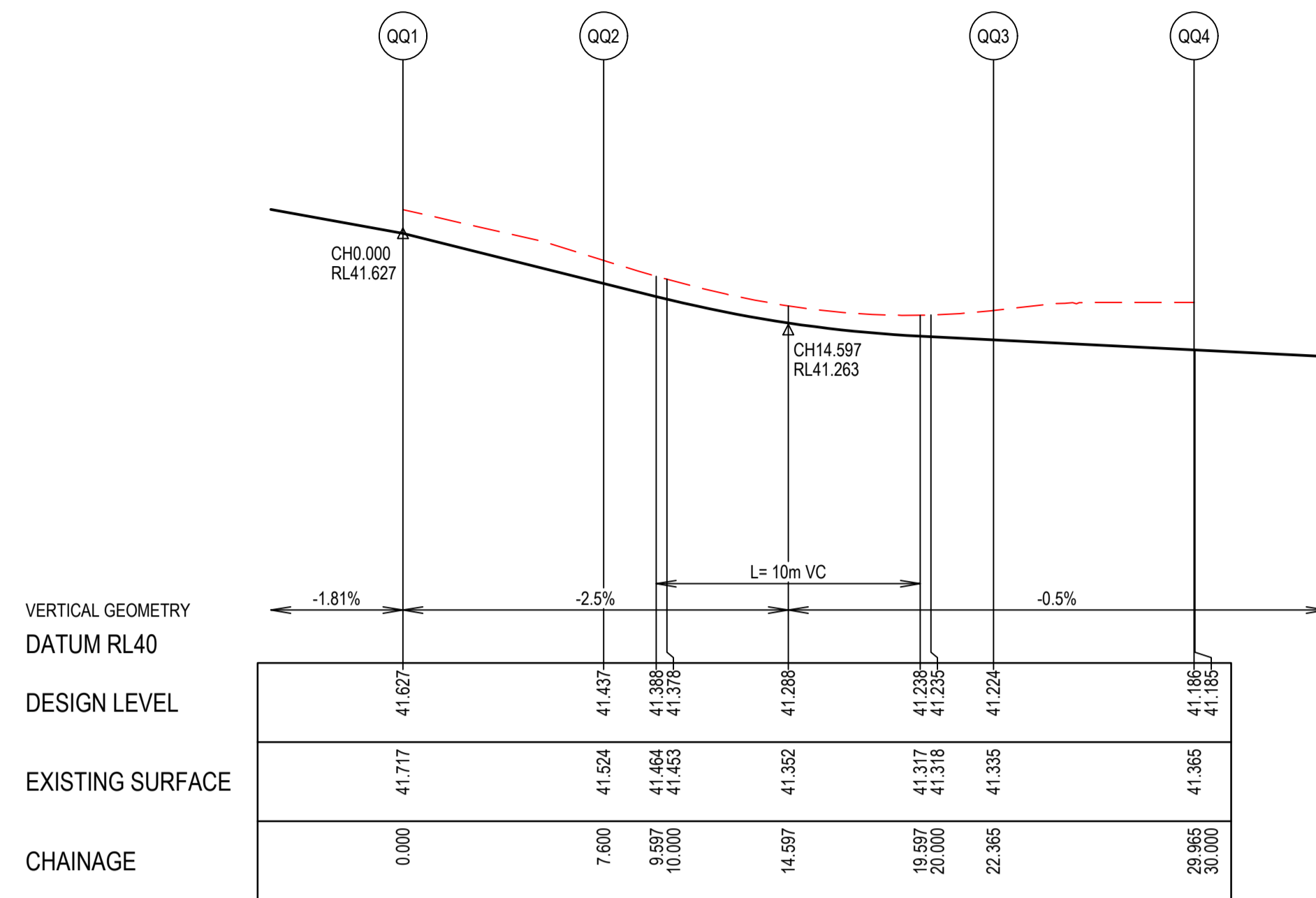
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LIP LINE PP

Point no	Easting	Northing	RL
PP1	2725.124	369.962	41.186
PP2	2727.098	384.822	41.414

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
PP1 - PP2	90.000	10.600	16.650	3.105	2.298	4.066	3.439	4.163	41.265

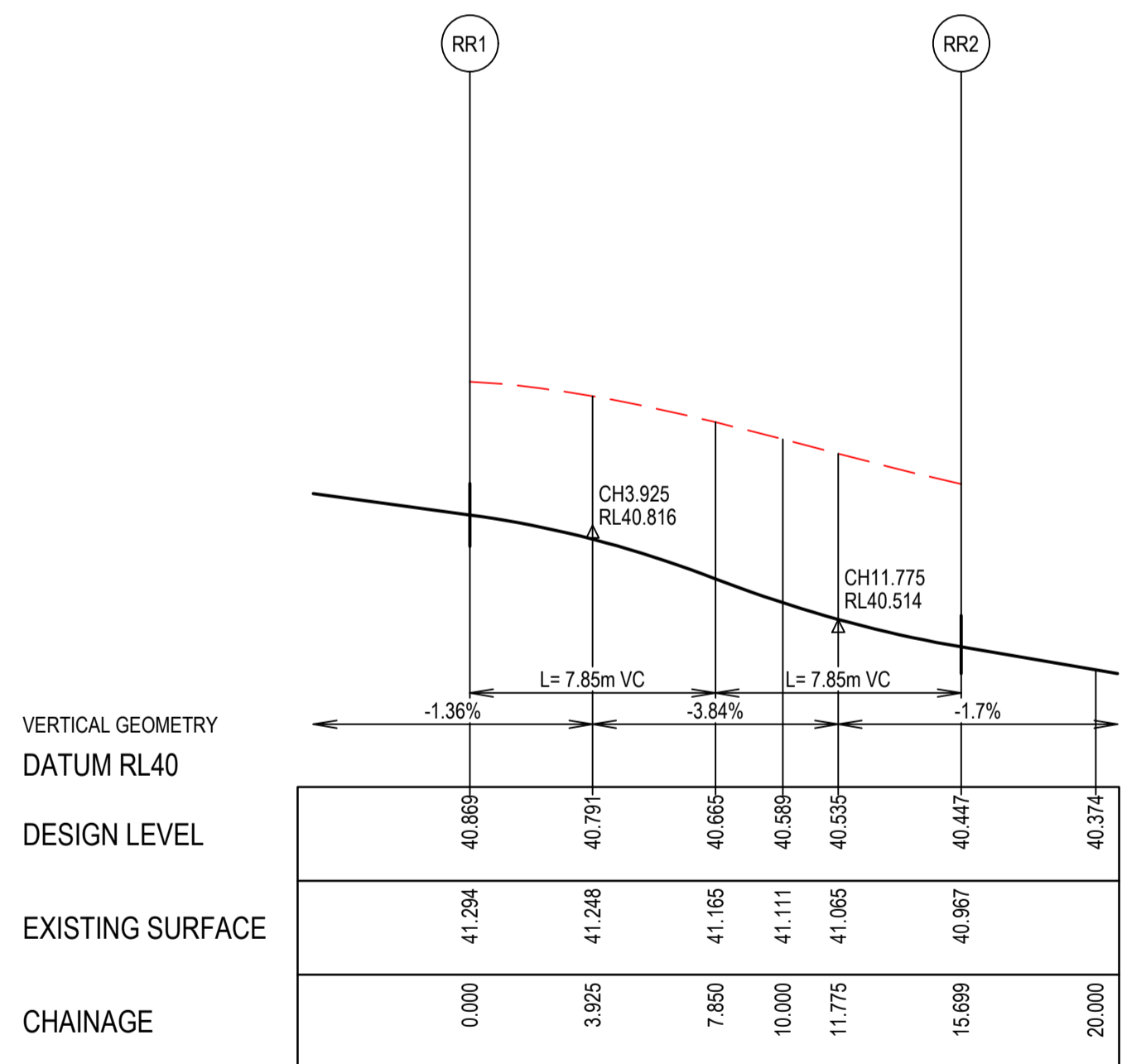


LIP LINE QQ

LIP LINE QQ

Point no	Easting	Northing	RL
QQ1	2732.180	388.712	41.627
QQ2	2736.799	382.677	41.437
QQ3	2735.049	369.499	41.224
QQ4	2729.014	364.880	41.185

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
QQ2 - QQ3	90.000	9.400	14.765	2.753	2.038	3.597	3.050	3.691	41.282

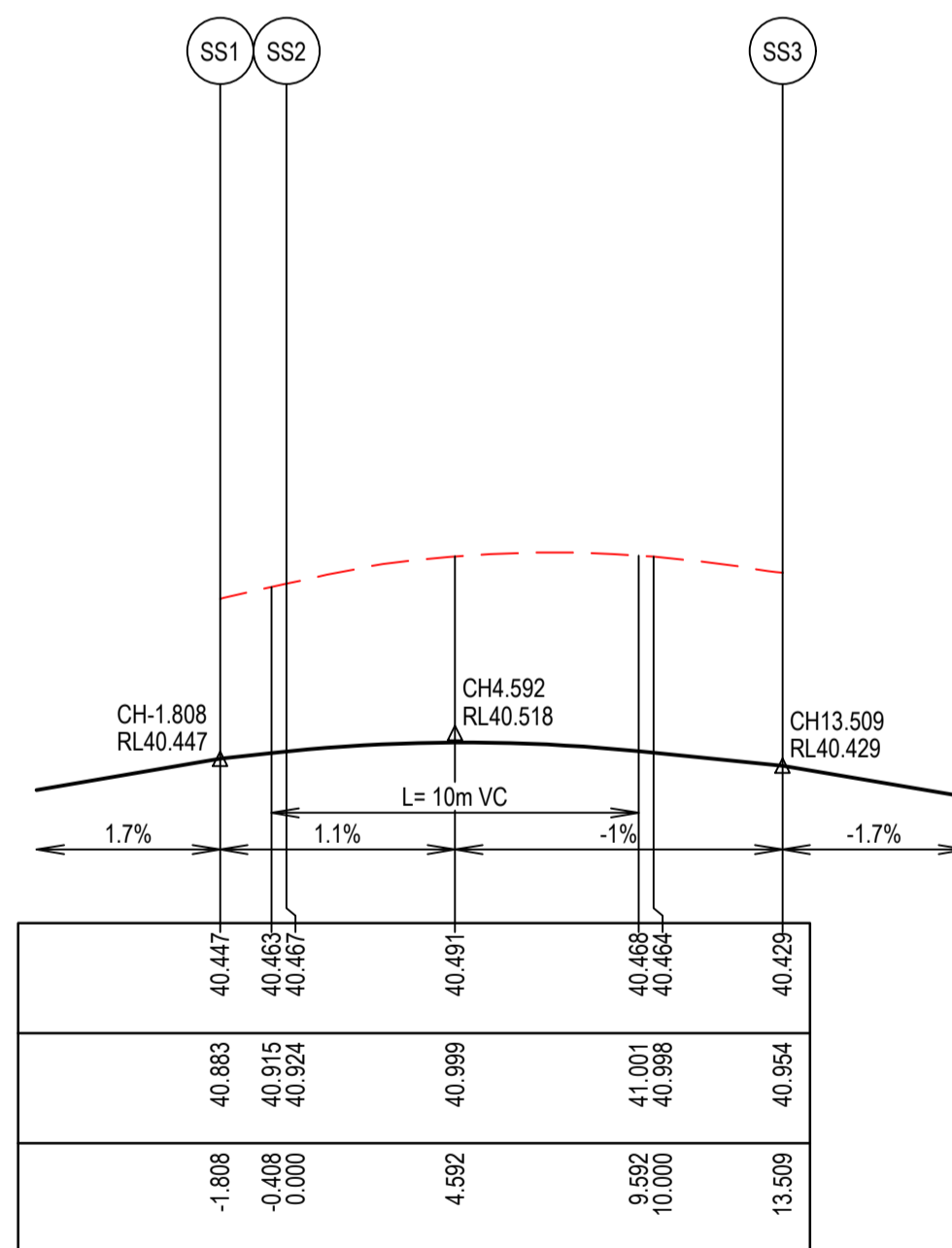


LIP LINE RR

LIP LINE RR

Point no	Easting	Northing	RL
RR1	2701.552	332.345	40.869
RR2	2708.473	320.628	40.447

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
RR1 - RR2	104.594	8.600	15.699	3.341	2.460	3.790	3.014	3.925	40.665

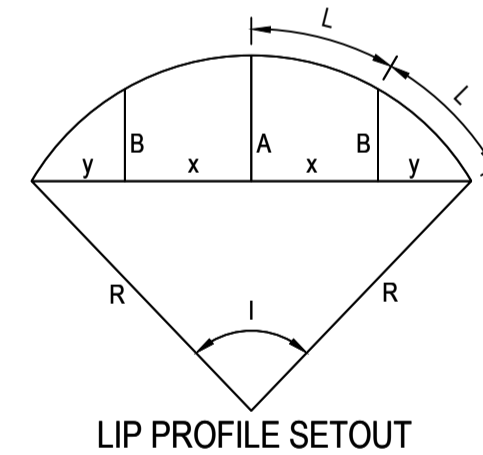


LIP LINE SS

LIP LINE SS

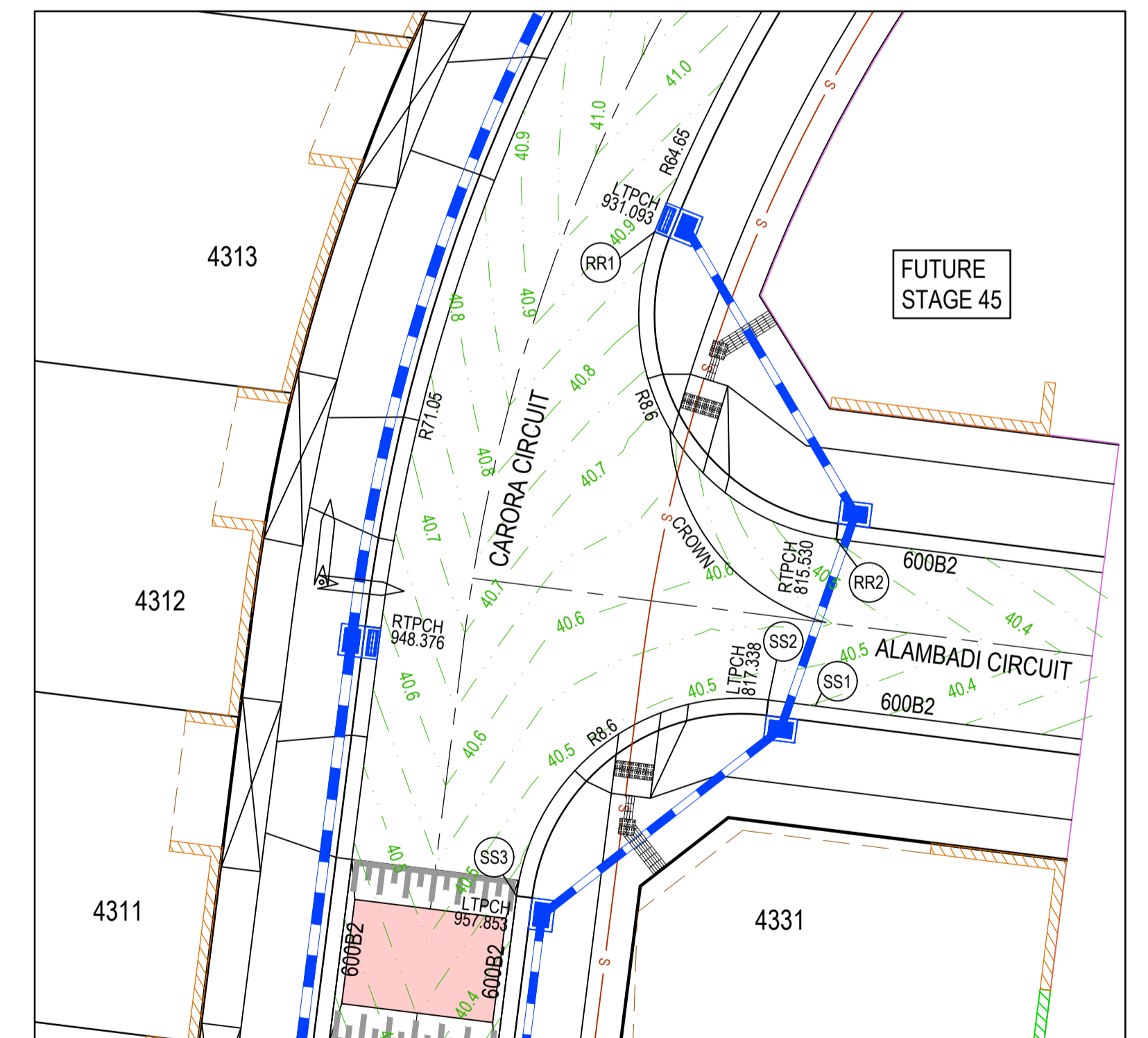
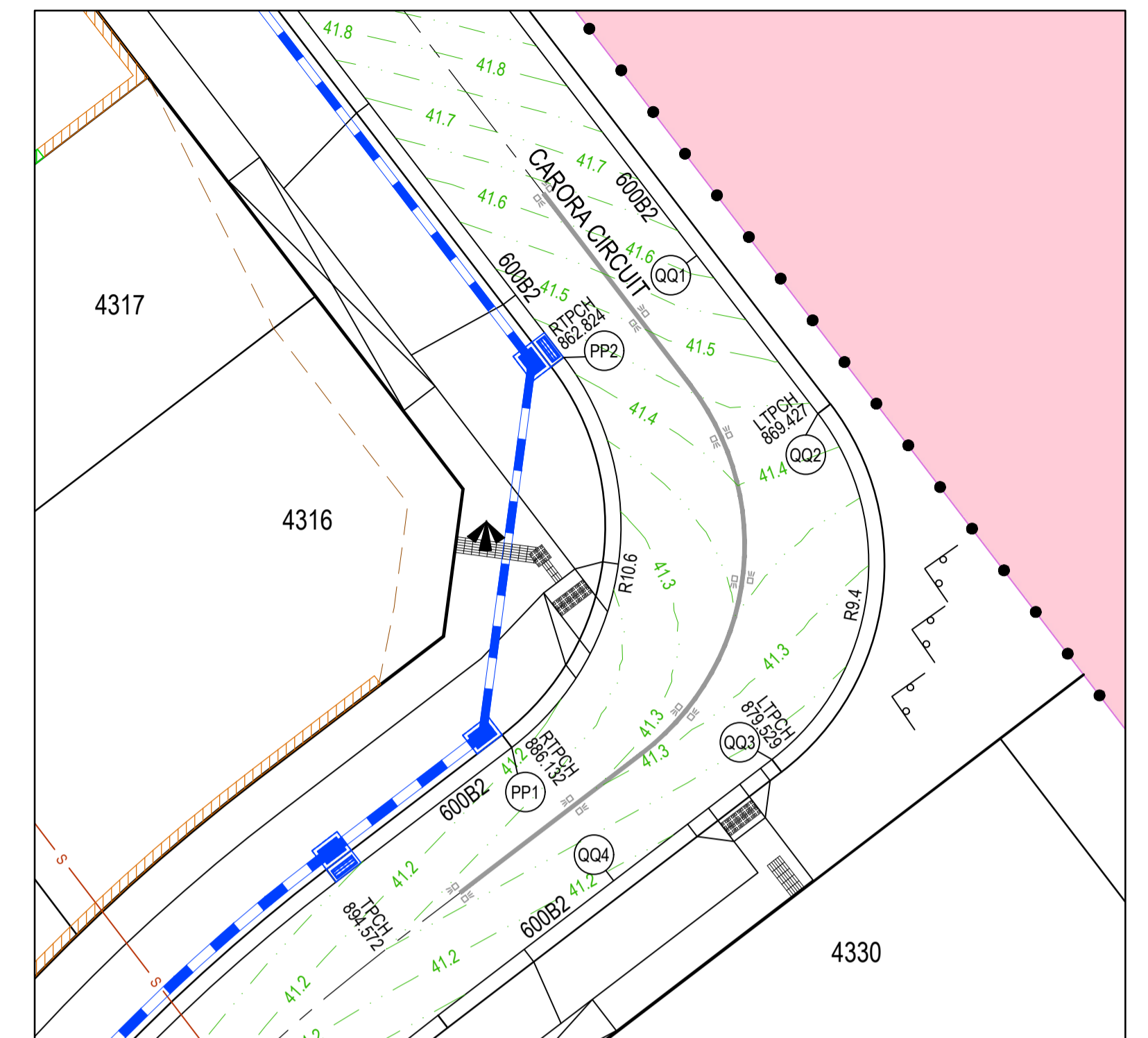
Point no	Easting	Northing	RL
SS1	2707.678	314.277	40.447
SS2	2705.884	314.502	40.467
SS3	2696.283	307.036	40.429

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
SS2 - SS3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	40.488



LEGEND

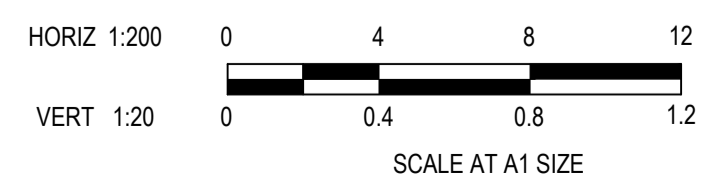
- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
- EXISTING HOUSE DRAIN
- RETAINING WALL
- PAVEMENT TREATMENT
- CONCRETE EDGE STRIP WITH SUBSOIL DRAIN, "NO ROAD" SIGN & BARRIER
- LIMIT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



WARNING! (NO GO ZONE)
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ISSUED FOR CONSTRUCTION

REV	DESCRIPTION	DATE	DRN.	APP.	REV	DESCRIPTION	DATE	DRN.	APP.
A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF					



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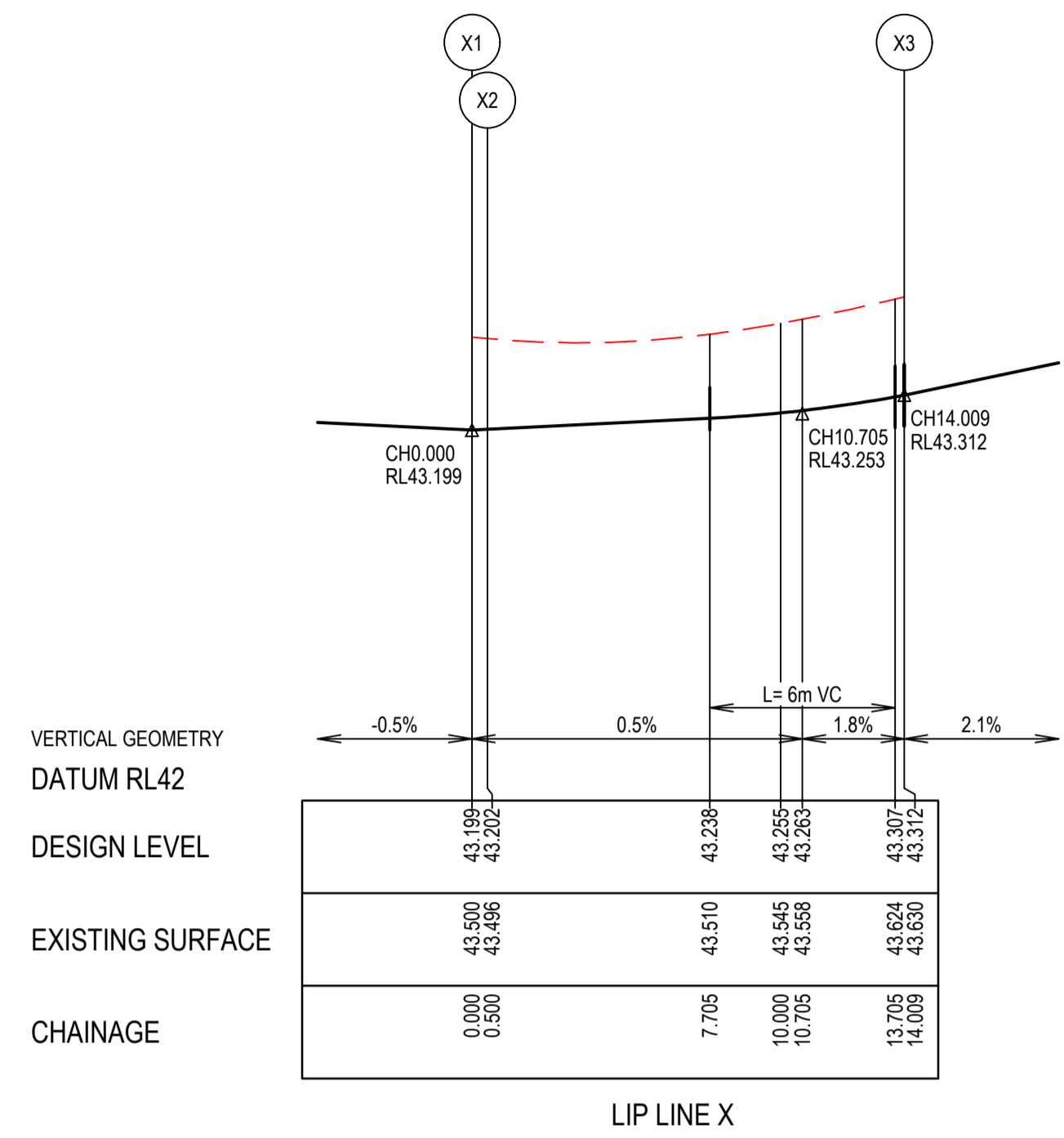
Project: MERIDIAN CENTRAL ESTATE
 Stage: STAGE 43
 City: CITY OF CASEY

Drawing Title: INTERSECTION DETAILS
 (SHEET 2 OF 3)

Sheet 17 of 22
 Scale: 1:200 H 1:20 V @ A1

Project Ref: 1801767
 Stage No: 43
 Drawing No: 301
 Rev: A

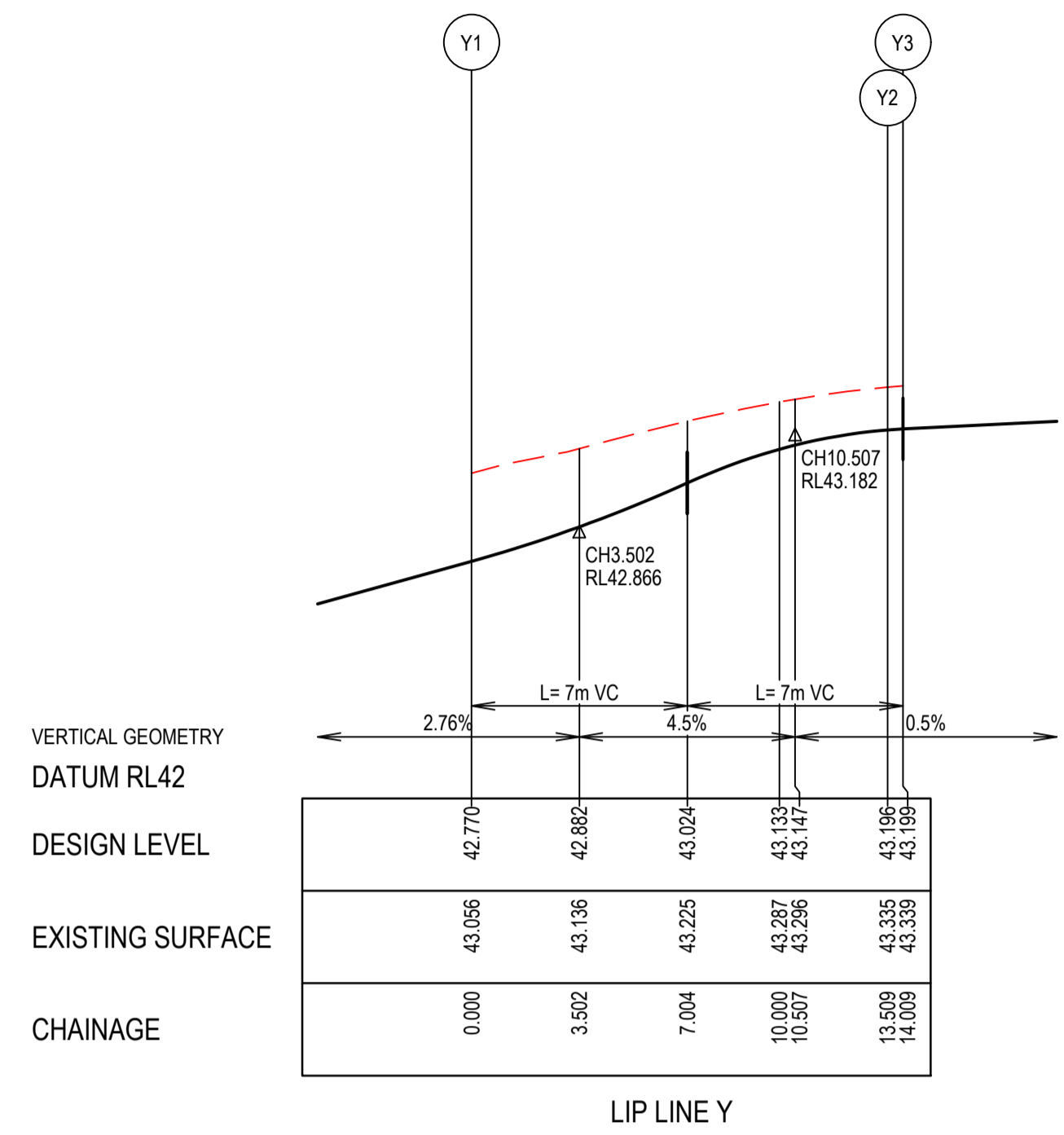
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LIP LINE X

Point no	Easting	Northing	RL
X1	2679.936	431.460	43.199
X2	2680.333	431.764	43.202
X3	2681.934	443.820	43.312

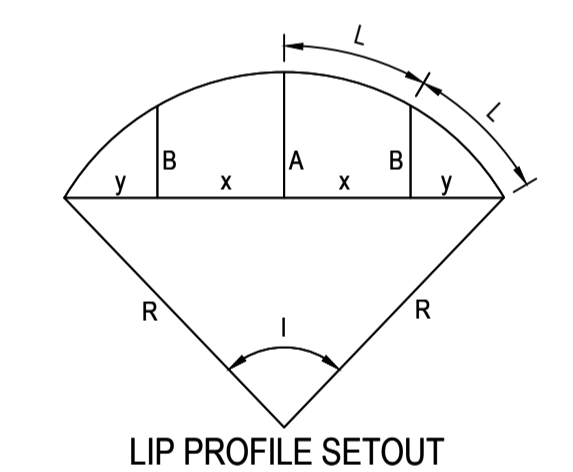
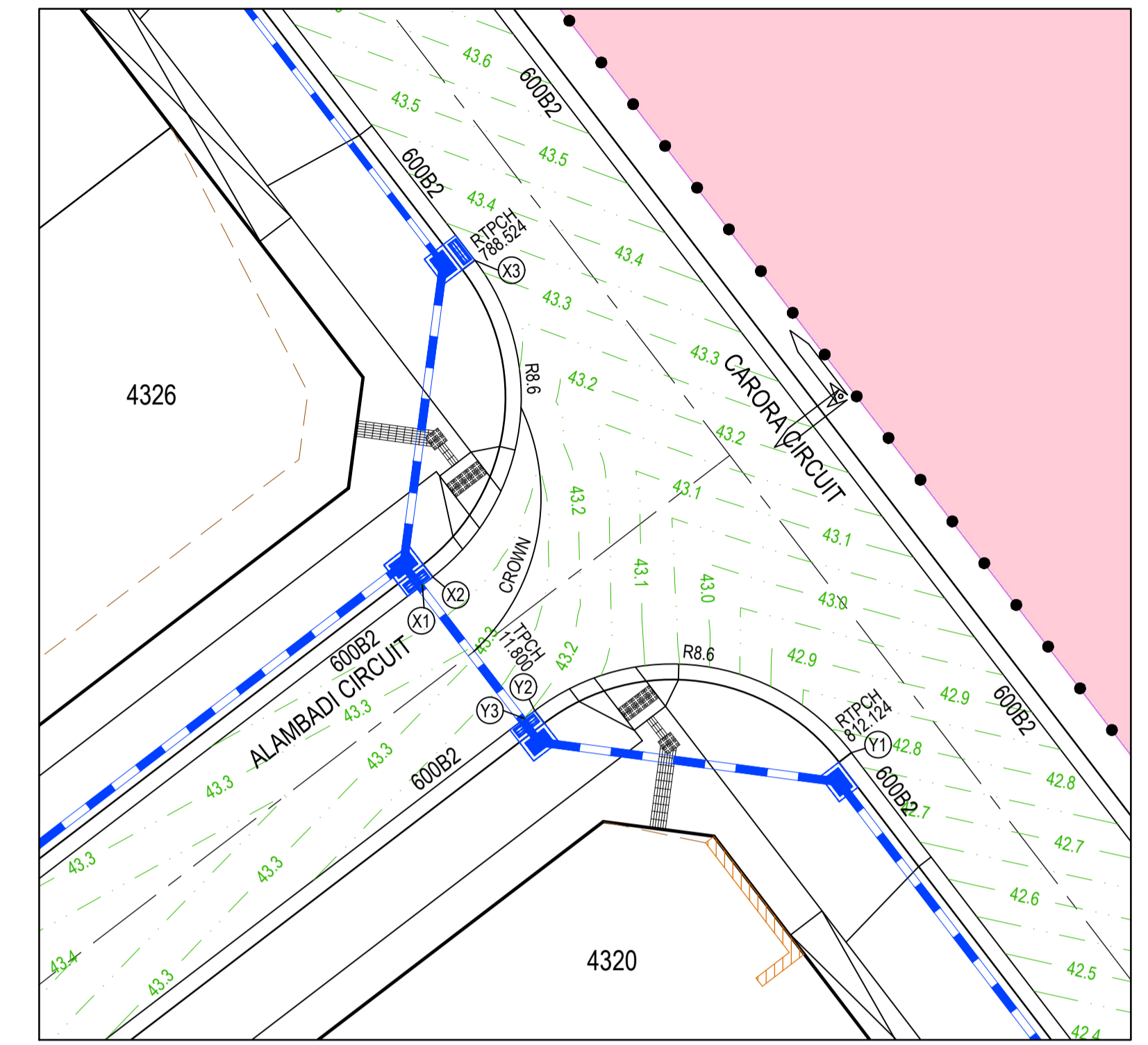
Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
X2 - X3	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	43.236



LIP LINE Y

Point no	Easting	Northing	RL
Y1	2696.280	425.080	42.770
Y2	2684.223	426.682	43.196
Y3	2683.826	426.378	43.199

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
Y1 - Y2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	43.013



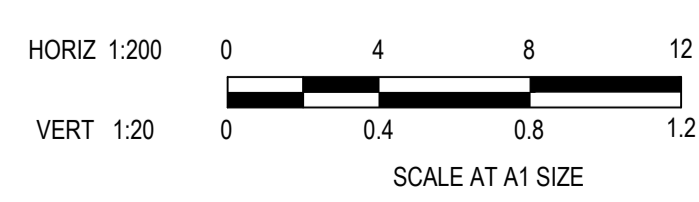
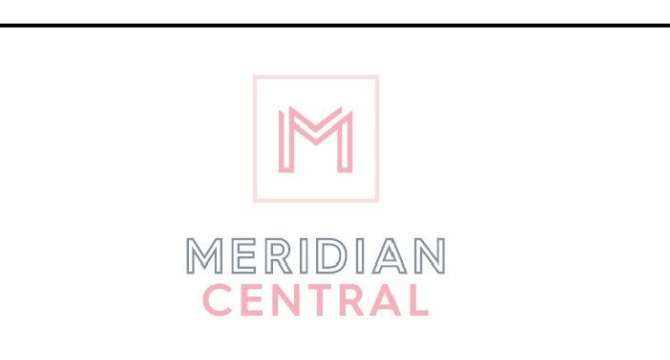
LEGEND

- STORMWATER DRAIN, PIT & PROPERTY INLET
- MELBOURNE WATER DRAIN & PIT
- SWALE DRAIN
- SEWER & MAINTENANCE STRUCTURES
- HOUSE DRAIN
- TACTILE PAVERS (INDICATIVE ONLY)
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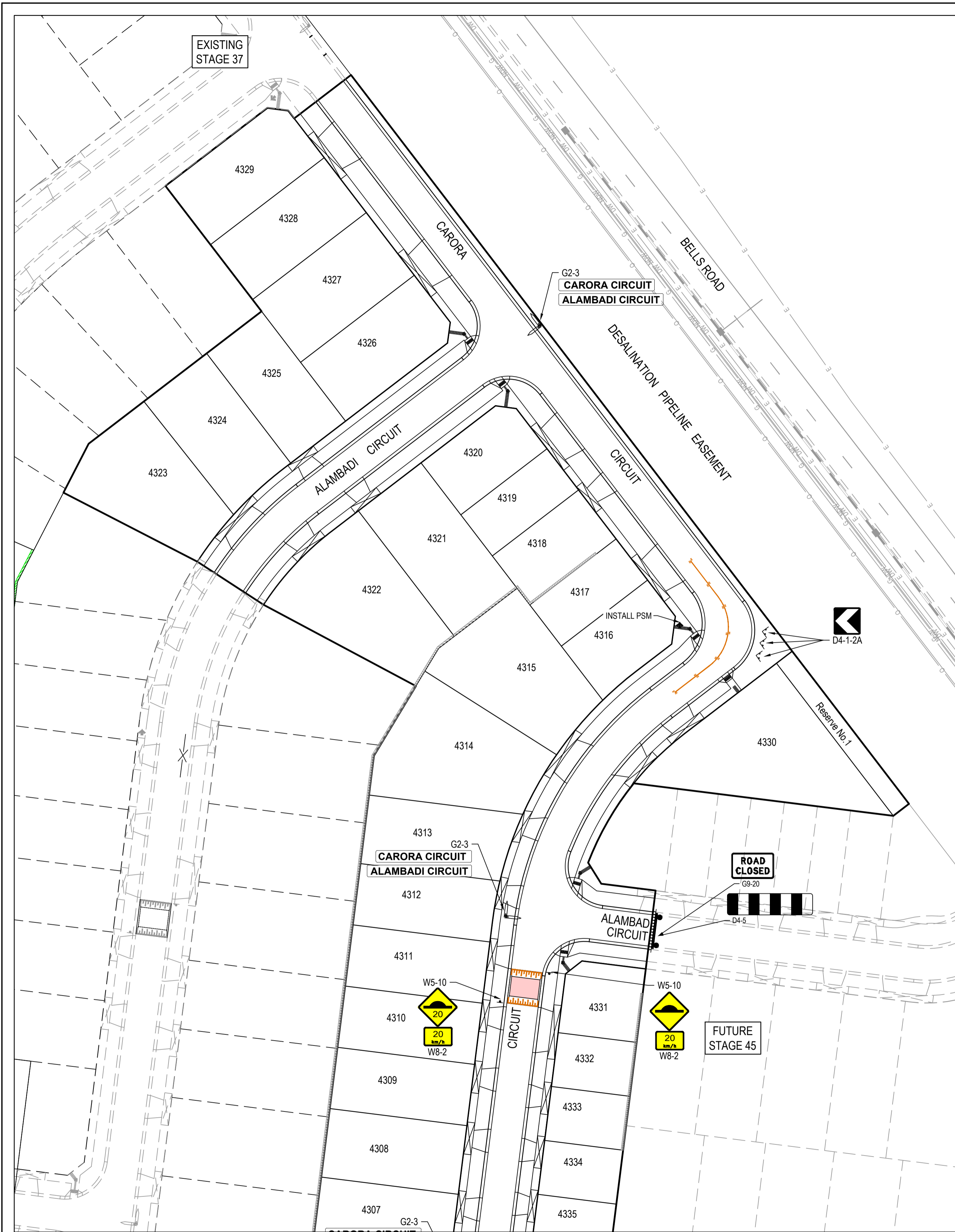
Designed: C.DAWSON
 Date: 20.12.2022
 Drawn: C.DAWSON
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 Date: 22.12.2022
 Approved: M.FELICIANO
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 PS Number: PS908399D

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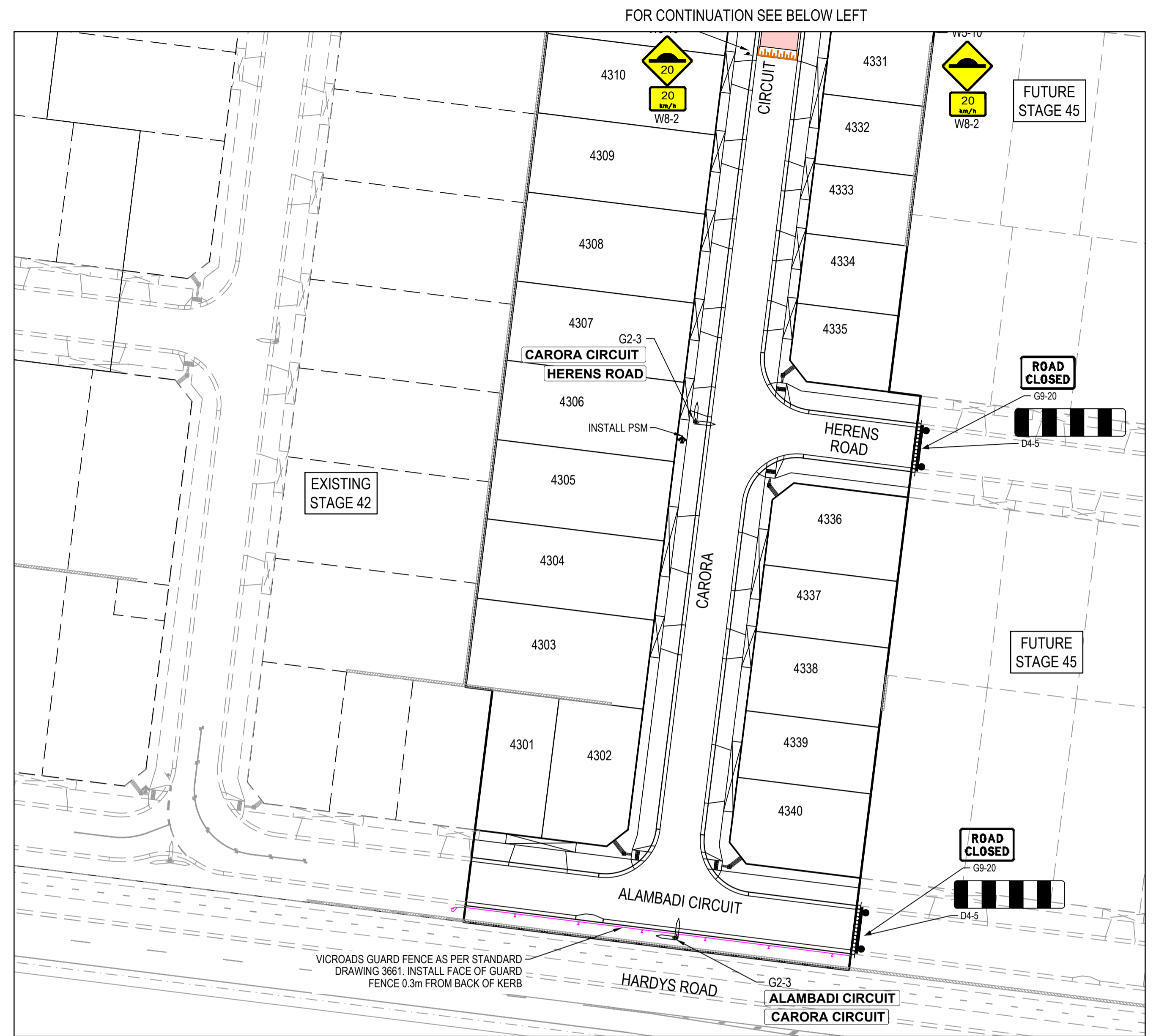
Project Details: MERIDIAN CENTRAL ESTATE
 STAGE 43
 CITY OF CASEY

Drawing Title: INTERSECTION DETAILS
 (SHEET 3 OF 3)

Sheet	18 of 22
Scale	1:200 H 1:20 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	302
Rev	A



FOR CONTINUATION SEE ABOVE RIGHT



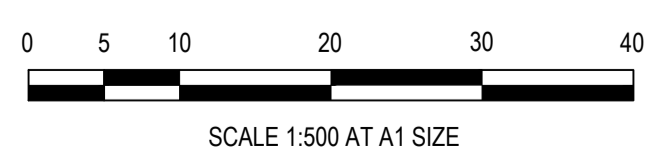
FOR CONTINUATION SEE BELOW LEFT

VICROADS GUARD FENCE AS PER STANDARD DRAWING 3681. INSTALL FACE OF GUARD FENCE 0.3m FROM BACK OF KERB

- NOTES**
1. RRPMS AT MAX 6m SPACING.
 2. LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 3. LINEMARKING IN ACCORDANCE WITH AS1742.
 4. TGS1 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.

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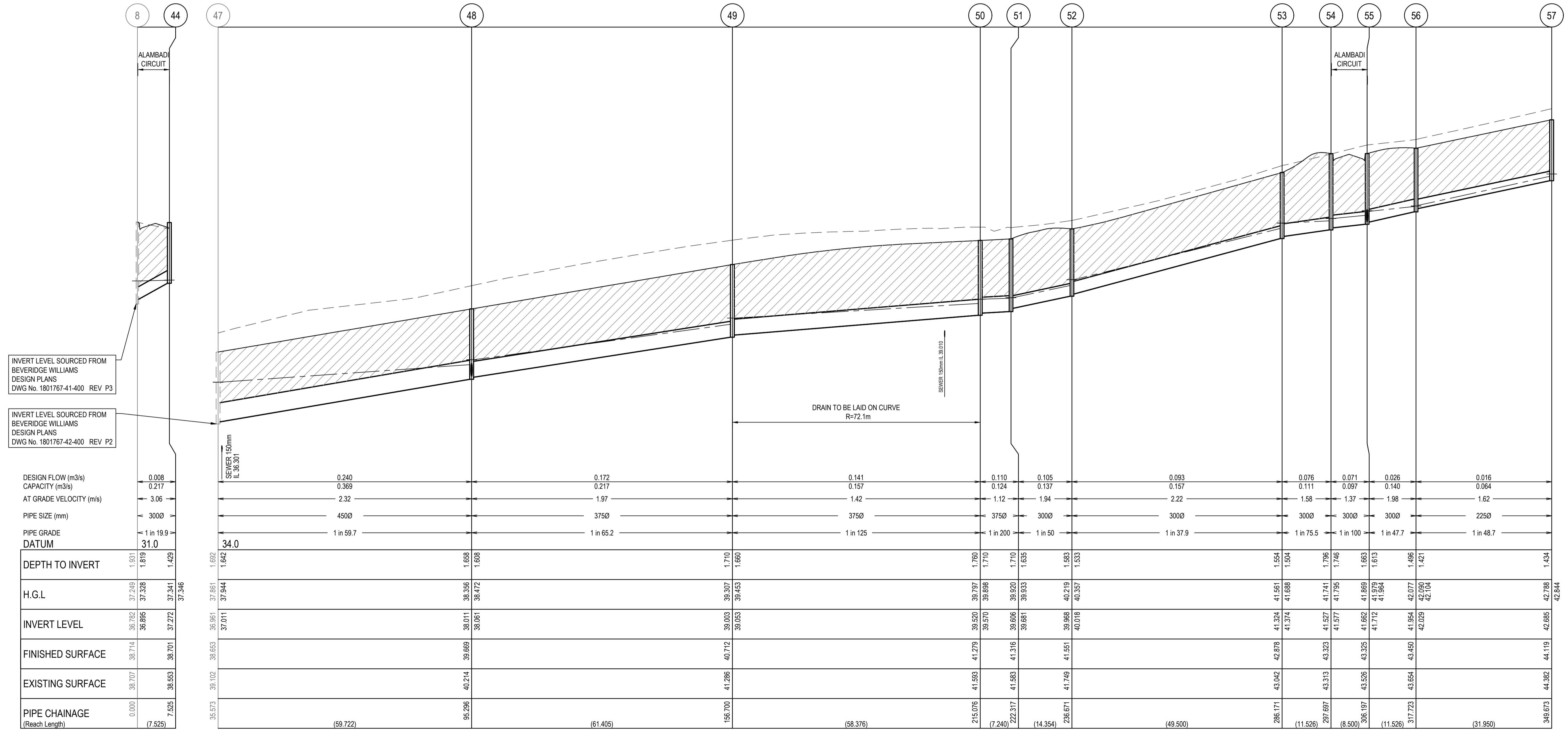
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Project Details	MERIDIAN CENTRAL ESTATE STAGE 43 CITY OF CASEY
Drawing Title	SIGNAGE & LINE MARKING PLANS

Sheet	19 of 22
Scale	1:500 @ A1
Project Ref	1801767
Stage No	43
Drawing No	350
Rev	A

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

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



INVERT LEVEL SOURCED FROM BEVERIDGE WILLIAMS DESIGN PLANS DWG No. 1801767-41-400 REV P3

INVERT LEVEL SOURCED FROM BEVERIDGE WILLIAMS DESIGN PLANS DWG No. 1801767-42-400 REV P2

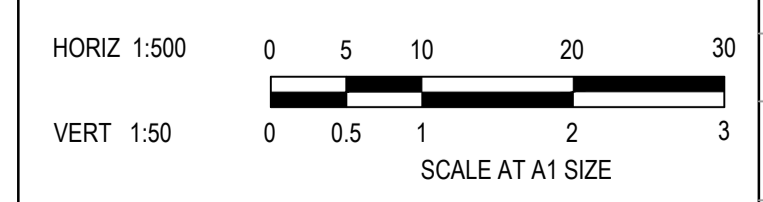
DESIGN FLOW (m³/s) 0.008
 CAPACITY (m³/s) 0.217
 AT GRADE VELOCITY (m/s) 3.06
 PIPE SIZE (mm) 3000
 PIPE GRADE DATUM 31.0

	8	44	47	48	49	50	51	52	53	54	55	56	57
DEPTH TO INVERT	1.931	1.819	1.692	1.642	1.710	1.760	1.710	1.583	1.554	1.796	1.663	1.421	1.434
H.G.L	37.249	37.328	37.944	38.356	39.307	39.797	39.920	40.219	41.561	41.741	41.869	42.077	42.788
INVERT LEVEL	36.782	36.895	37.011	38.011	39.003	39.520	39.681	40.018	41.324	41.527	41.662	41.954	42.029
FINISHED SURFACE	38.714	38.701	38.653	39.669	40.712	41.279	41.551	41.749	43.042	43.323	43.325	43.450	44.119
EXISTING SURFACE	38.707	38.553	38.653	40.214	41.286	41.593	41.749	41.749	43.042	43.313	43.326	43.654	44.382
PIPE CHAINAGE (Reach Length)	0.000	7.525	59.722	61.405	58.376	7.240	14.354	49.500	11.526	8.500	11.526	31.950	349.673

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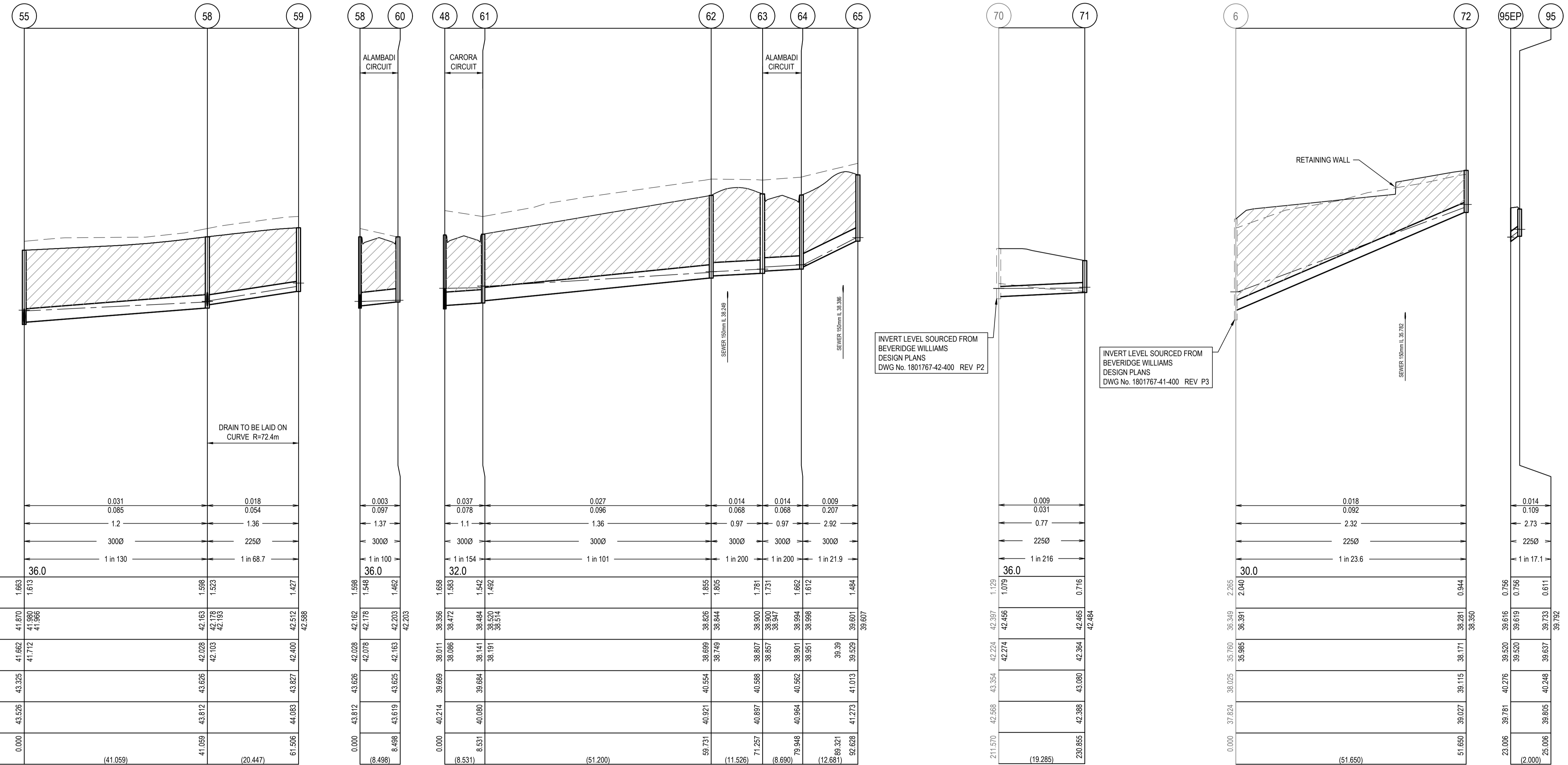
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Project Details: MERIDIAN CENTRAL ESTATE STAGE 43 CITY OF CASEY
 Drawing Title: DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 2)

Sheet	20 of 22
Scale	1:500 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	400
Rev	A

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

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



DESIGN FLOW (m3/s)	0.031	0.018
CAPACITY (m3/s)	0.085	0.054
AT GRADE VELOCITY (m/s)	1.2	1.36
PIPE SIZE (mm)	3000	2250
PIPE GRADE	1 in 130	1 in 68.7
DATUM	36.0	
DEPTH TO INVERT	1.663	1.598
H.G.L.	41.662	42.163
INVERT LEVEL	41.712	42.103
FINISHED SURFACE	43.325	43.626
EXISTING SURFACE	43.526	44.083
PIPE CHAINAGE (Reach Length)	0.000	61.506
	(41.059)	(20.447)

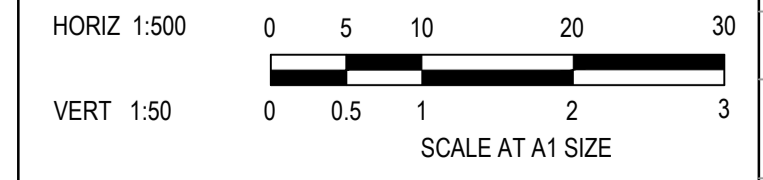
0.000	43.812	43.626	42.028	42.162	1.598
0.000	43.812	43.626	42.078	42.178	1.548
8.498	43.619	43.625	42.163	42.203	1.462
0.000	40.214	39.669	38.011	38.356	1.658
8.531	40.080	39.664	38.141	38.484	1.542
89.731	40.921	40.554	38.699	38.826	1.655
71.257	40.897	40.598	38.807	38.900	1.781
79.948	40.964	40.562	38.901	38.994	1.662
89.321	41.273	41.013	39.529	39.601	1.484
92.628					39.607

211.570	42.568	43.354	42.224	42.397	1.129
200.855	42.368	43.090	42.364	42.465	0.716
230.006	39.781	40.276	39.520	39.616	0.756
25.006	39.805	40.248	39.637	39.733	0.611

0.000	37.824	38.025	35.760	36.349	2.265
51.650	39.027	39.115	38.171	38.281	0.944
23.006	39.781	40.276	39.520	39.616	0.756
25.006	39.805	40.248	39.637	39.733	0.611

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Project	MERIDIAN CENTRAL ESTATE
Details	STAGE 43 CITY OF CASEY
Drawing Title	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 2)

Sheet	21 of 22
Scale	1:500 H 1:50 V @ A1
Project Ref	1801767
Stage No	43
Drawing No	401
Rev	A

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PIT SCHEDULE											
PIT NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		STD DWG	REMARKS
		WIDTH	LENGTH	DIA	INVLEV	DIA	INVLEV	SETOUT RL	DEPTH		
Ex.7	GRATED SIDE ENTRY PIT									EDCM 601	CONNECT TO EXISTING PIPE STUB. INSTALL SINGLE GRATED SIDE ENTRY INLET UNIT AND CLASS B COVER
Ex.45	GRATED SIDE ENTRY PIT									EDCM 601	INSTALL SINGLE GRATED SIDE ENTRY INLET UNIT AND CLASS B COVER
Ex.46	GRATED SIDE ENTRY PIT									EDCM 601	INSTALL SINGLE GRATED SIDE ENTRY INLET UNIT AND CLASS B COVER
Ex.8	GRATED SIDE ENTRY PIT	600(T)	900(T)	525	36.832	525	36.782	38.714	1.931	EDCM 601	INSTALL SINGLE GRATED SIDE ENTRY INLET UNIT AND CLASS B COVER
		900(B)	900(B)	300	36.895						
44	GRATED SIDE ENTRY PIT	600	900			300	37.272	38.701	1.429	VICROADS SD 1322	PROVIDE HEAVY DUTY BIKE SAFE GRATED COVER
Ex.47	JUNCTION PIT	600	900	450	37.011	450	36.961	38.653	1.692	EDCM 605	CONNECT TO EXISTING PIPE STUB.
					300		37.036				
48	GRATED SIDE ENTRY PIT	600(T)	900(T)	375	38.061	450	38.011	39.669	1.658	EDCM 601/605	HAUNCH COVER TO 600 x 900
		750(B)	900(B)	300	38.086						
49	GRATED SIDE ENTRY PIT	600	900	375	39.053	375	39.003	40.712	1.710	EDCM 601/605	
50	GRATED SIDE ENTRY PIT	600	900	375	39.570	375	39.520	41.279	1.760	EDCM 601/605	
51	JUNCTION PIT	600	900	300	39.681	375	39.606	41.316	1.710	EDCM 605	
52	GRATED SIDE ENTRY PIT	600	900	300	40.018	300	39.968	41.551	1.583	EDCM 601/605	
53	JUNCTION PIT	600	900	300	41.374	300	41.324	42.878	1.554	EDCM 605	
54	GRATED SIDE ENTRY PIT	600	900	300	41.577	300	41.527	43.323	1.796	EDCM 601/605	
55	GRATED SIDE ENTRY PIT	600	900	300	41.712	300	41.662	43.325	1.663	EDCM 601/605	
					300		41.712				
56	GRATED SIDE ENTRY PIT	600	900	225	42.029	300	41.954	43.450	1.496	EDCM 601/605	
57	JUNCTION PIT	600	900			225	42.685	44.119	1.434	EDCM 605	
58	GRATED SIDE ENTRY PIT	600	900	225	42.103	300	42.028	43.626	1.598	EDCM 601/605	
					300		42.078				
59	JUNCTION PIT	600	900			225	42.400	43.827	1.427	EDCM 605	PROVIDE HEAVY DUTY CLASS D COVER
60	GRATED SIDE ENTRY PIT	600	900			300	42.163	43.625	1.462	EDCM 601/605	
61	GRATED SIDE ENTRY PIT	600	900	300	38.191	300	38.141	39.684	1.542	EDCM 601/605	
62	JUNCTION PIT	600	900	300	38.749	300	38.699	40.554	1.855	EDCM 605	
63	JUNCTION PIT	600	900	300	38.857	300	38.807	40.588	1.781	EDCM 605	
64	JUNCTION PIT	600	900	300	38.951	300	38.901	40.562	1.662	EDCM 605	
65	GRATED SIDE ENTRY PIT	600	900			300	39.529	41.013	1.484	EDCM 601/605	
Ex.70	JUNCTION PIT	600	900	225	42.299	300	42.224	43.354	1.129	EDCM 605	CONNECT TO EXISTING PIPE STUB
71	JUNCTION PIT	600	900			225	42.364	43.080	0.716	EDCM 605	
Ex.6	GRATED SIDE ENTRY PIT	600(T)	900(T)	600	35.835	675	35.760	38.025	2.265	EDCM 601/605	CONNECT TO EXISTING PIPE STUB. INSTALL SINGLE GRATED SIDE ENTRY INLET UNIT AND CLASS B COVER.
		900(B)	900(B)	225	35.985						
72	JUNCTION PIT	600	900			225	38.171	39.115	0.944	EDCM 605	
95 EP	END PIPE			225	39.520	225	39.520	40.276	0.756		DISCHARGE FLOW OVERLAND
95	JUNCTION PIT	600	900			225	39.637	40.248	0.611	EDCM 605	

ISSUED FOR CONSTRUCTION

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A	ISSUED FOR CONSTRUCTION	03.04.23	MF	MF							
REV	DESCRIPTION	DATE	DRN	APP.	REV	DESCRIPTION	DATE	DRN	APP.		



Designed: C.DAWSON
Date: 20.12.2022
Drawn: C.DAWSON
Checked: M.FELICIANO
Date: 22.12.2022
Approved: M.FELICIANO
Reg. No: PE0005645
Date: 23.12.2022
PS Number: PS908399D

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Project Details
MERIDIAN CENTRAL ESTATE
STAGE 43
CITY OF CASEY

Drawing Title
PIT SCHEDULE

Sheet	22 of 22
Scale	NOT TO SCALE
Project Ref	1801767
Stage No	43
Drawing No	402
Rev	A