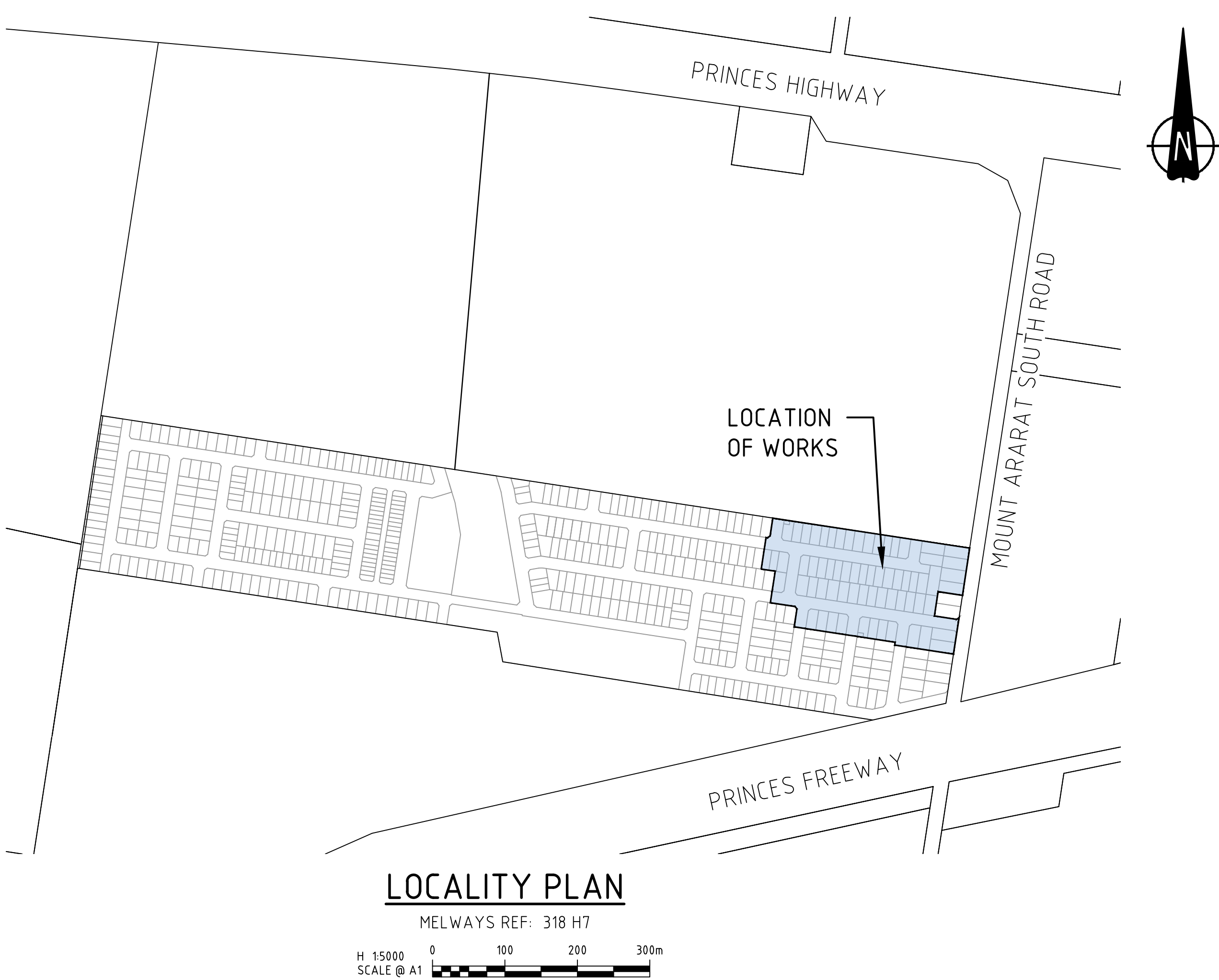


KALA ESTATE

STAGE 01

SUBDIVISIONAL WORKS

FOR SIG GROUP



SHEET LIST TABLE	
SHEET NUMBER	DESCRIPTION
3086-01-001	COVER SHEET
3086-01-010	GENERAL NOTES AND PAVEMENT DETAILS
3086-01-011	STANDARD DETAILS
3086-01-020	TYPICAL CROSS SECTIONS (SHEET 1 OF 2)
3086-01-021	TYPICAL CROSS SECTIONS (SHEET 2 OF 2)
3086-01-100	LAYOUT PLAN (SHEET 1 OF 2)
3086-01-101	LAYOUT PLAN (SHEET 2 OF 2)
3086-01-102	OUTLET SWALE SETOUT (SHEET 1 OF 4)
3086-01-103	OUTLET SWALE SETOUT (SHEET 2 OF 4)
3086-01-104	OUTLET SWALE SETOUT (SHEET 3 OF 4)
3086-01-105	OUTLET SWALE SETOUT (SHEET 4 OF 4)
3086-01-150	EARTHWORKS PLAN
3086-01-200	ROAD LONGITUDINAL SECTIONS (SHEET 1 OF 3)
3086-01-201	ROAD LONGITUDINAL SECTIONS (SHEET 2 OF 3)
3086-01-202	ROAD LONGITUDINAL SECTIONS (SHEET 3 OF 3)
3086-01-250	ROAD CROSS SECTIONS (SHEET 1 OF 6)

SHEET LIST TABLE	
SHEET NUMBER	DESCRIPTION
3086-01-251	ROAD CROSS SECTIONS (SHEET 2 OF 6)
3086-01-252	ROAD CROSS SECTIONS (SHEET 3 OF 6)
3086-01-253	ROAD CROSS SECTIONS (SHEET 4 OF 6)
3086-01-254	ROAD CROSS SECTIONS (SHEET 5 OF 6)
3086-01-255	ROAD CROSS SECTIONS (SHEET 6 OF 6)
3086-01-300	INTERSECTION DETAILS (SHEET 1 OF 4)
3086-01-301	INTERSECTION DETAILS (SHEET 2 OF 4)
3086-01-302	INTERSECTION DETAILS (SHEET 3 OF 4)
3086-01-303	INTERSECTION DETAILS (SHEET 4 OF 4)
3086-01-350	SIGNAGE AND LINEMARKING PLAN
3086-01-400	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)
3086-01-401	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 4)
3086-01-402	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 4)
3086-01-403	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 4)
3086-01-420	DRAINAGE PIT SCHEDULE

SERVICES OFFSET TABLE												
STREET NAME	GAS		NON-DRINKING WATER		DRINKING WATER		TELCO		ELECTRICITY		SEWER	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
KALAMATA BOULEVARD	-	-	N	2.30	N	2.80	S	1.85	S	2.60	S	1
BRANCH ROAD	-	-	W	2.30	W	2.80	E	1.85	E	-	-	-
DELPHI ROAD	-	-	W	2.30	W	2.80	E	1.85	E	-	-	-
LESTRA WAY	-	-	W	2.30	W	2.80	E	1.85	E	2.60	E	1
MT ARARAT SOUTH ROAD	-	-	W	2.30	W	2.80	W	3.80	W	4.30	-	-
OLEA WAY	-	-	E	2.30	E	2.80	W	1.85	W	2.60	-	-
OLIVE GROVE	-	-	E	2.30	E	2.80	W	1.85	W	2.60	-	-
TART STREET	-	-	S	2.30	S	2.80	N	1.85	N	2.60	N	1
TART STREET (LOT 123 & 124)	-	-	E	2.30	E	2.80	W	1.85	W	2.60	-	-
TART STREET (LOT 126 & 127)	-	-	S	2.30	S	2.80	N	0.50	S	1.00	-	-
1. TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICAL AUTHORITY STANDARD DRAWINGS.												

C	09.05.25	MA			SERVICE OFFSET TABLE AMENDED
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT

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CLIENT

APPROVED PE 0005927

DESIGNED
W. SANSOM

SCALE
AS SHOWN

PROJECT
KALA ESTATE - STAGE 01

TITLE
COVER SHEET

MUNICIPALITY
CARDINIA SHIRE COUNCIL

PP No. T220227

DRAWING No. 3086-01-001

REVISION
C

ORIGINAL SIZE
A1

C:\Users\adam\Documents\3086-01_1051\Design\Kala\3086-01-001 COVER.dwg 5/9/2025 9:02 AM MOHAMMAD ALI

GENERAL

- ## ROADWORKS

DRAINAGE

- ## SERVICES

- ## CONSTRUCTION MANAGEMENT

-
- 180mm THICK CONCRETE ($f'c = 32\text{MPa}$, $f'cf = 4\text{MPa}$)
- 150mm THICK, 20mm NOMINAL SIZE CEMENT TREATED CRUSHED ROCK ($E=500\text{MPa}$)
- 150mm THICK (THICKNESS TO BE CONFIRMED DURING CONSTRUCTION) CONSTRUCTION LAYER (CAPPING LAYER MATERIAL OR SUBGRADE STABILISATION) PROPERTIES: (CBR $\geq 15.0\%$, SWELL $< 15\%$, PERMEABILITY $\leq 5 \times 10^{-9} \text{ m/s}$)
- SUBGRADE: CLAY (CBR=3%)



NOT TO SCALE
REFER VPA STD DWG EDCM 201



PAVEMENT DETAILS

- THE PAVEMENT DESIGNS SHOWN HAVE BEEN DESIGNED & PROVIDED BY SITE GEOTECHNICAL WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT.
- COSSILL & WEBLEY IS NOT RESPONSIBLE FOR THE WORK OF SITE GEOTECHNICAL.
- ALL PAVEMENT DESIGNS ARE EXTRACTS FROM THE SITE GEOTECHNICAL REPORT "R9782-3-R1".
- THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.
- COSSILL & WEBLEY DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK & / OR PAVEMENT DESIGNS.
- ANY QUERIES SHOULD BE ADDRESSED TO SITE GEOTECHNICAL AND SENT TO COSSILL & WEBLEY.

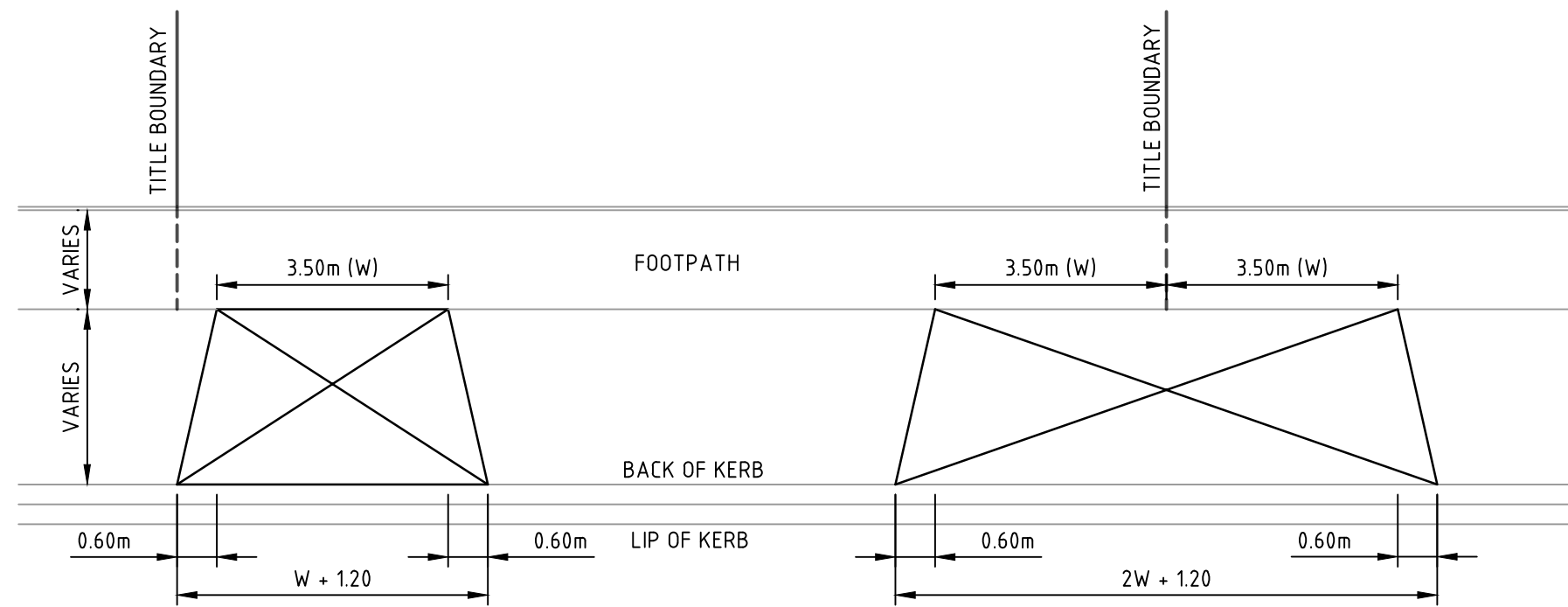


NOT TO SCALE
REFER VPA STD DWG EDCM 202a



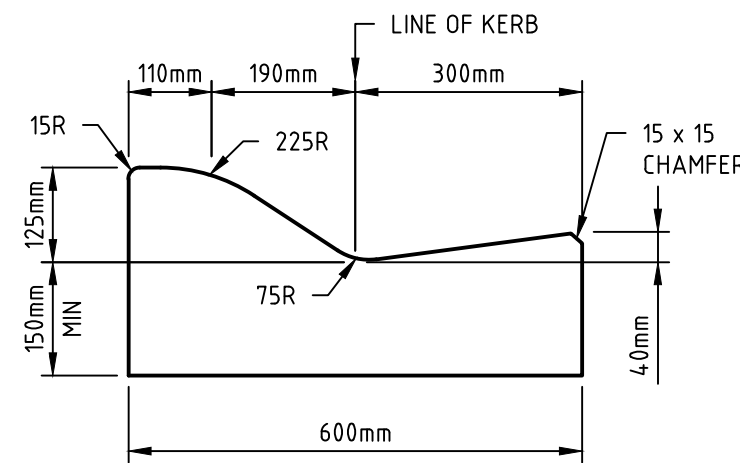
KALAMATA BOULEVARD
TOTAL DEPTH = 640mm

[illegible]

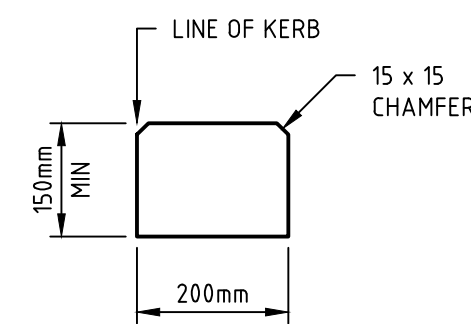


SINGLE DRIVEWAY
NOT TO SCALE
REFER VPA STD DWG EDCM 501

DOUBLE DRIVEWAY
NOT TO SCALE
REFER VPA STD DWG EDCM 502

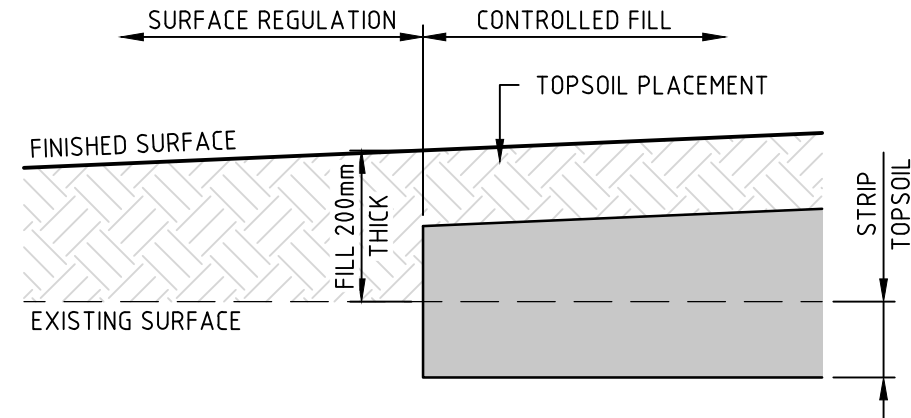


SM2

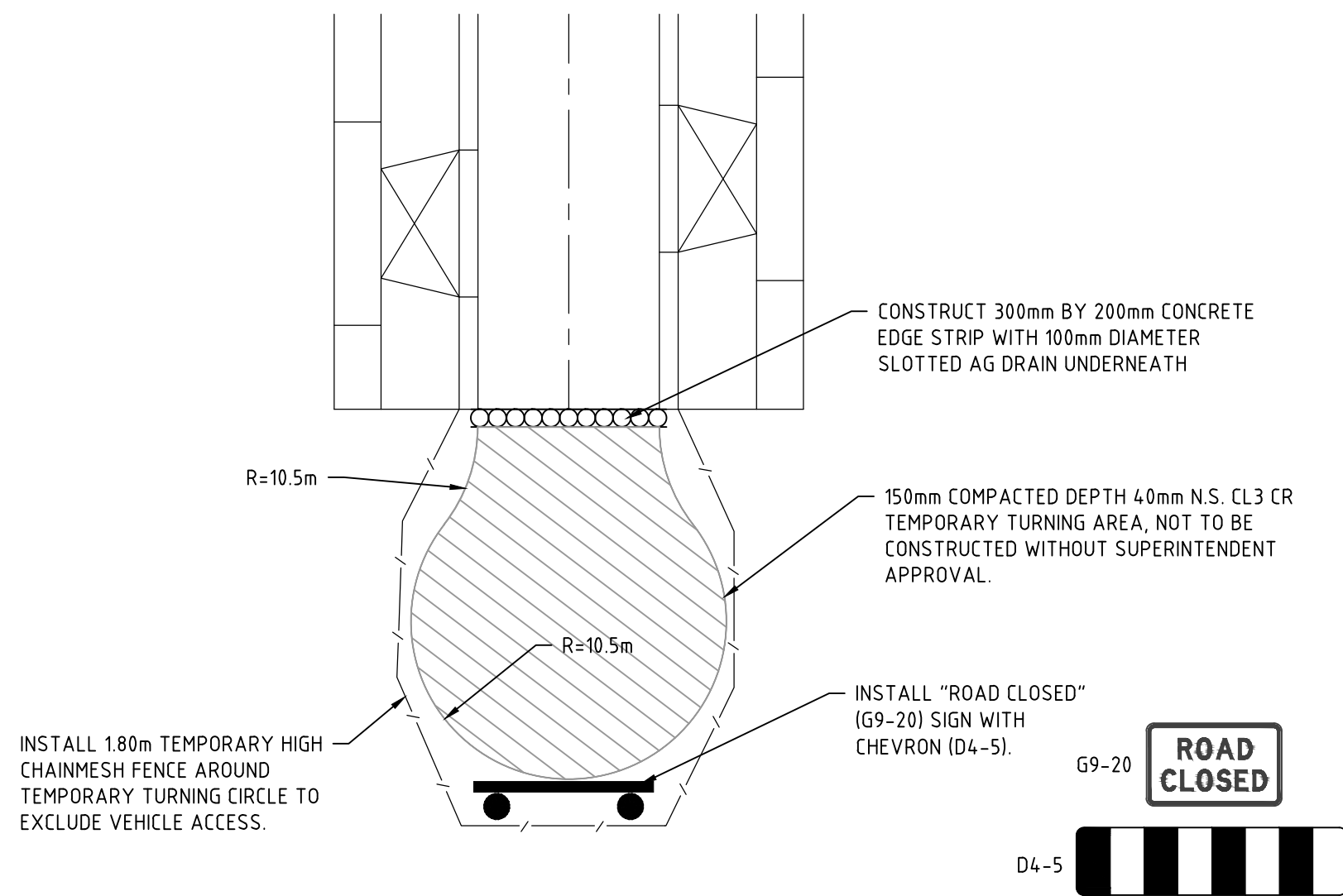


EDGESTRIP

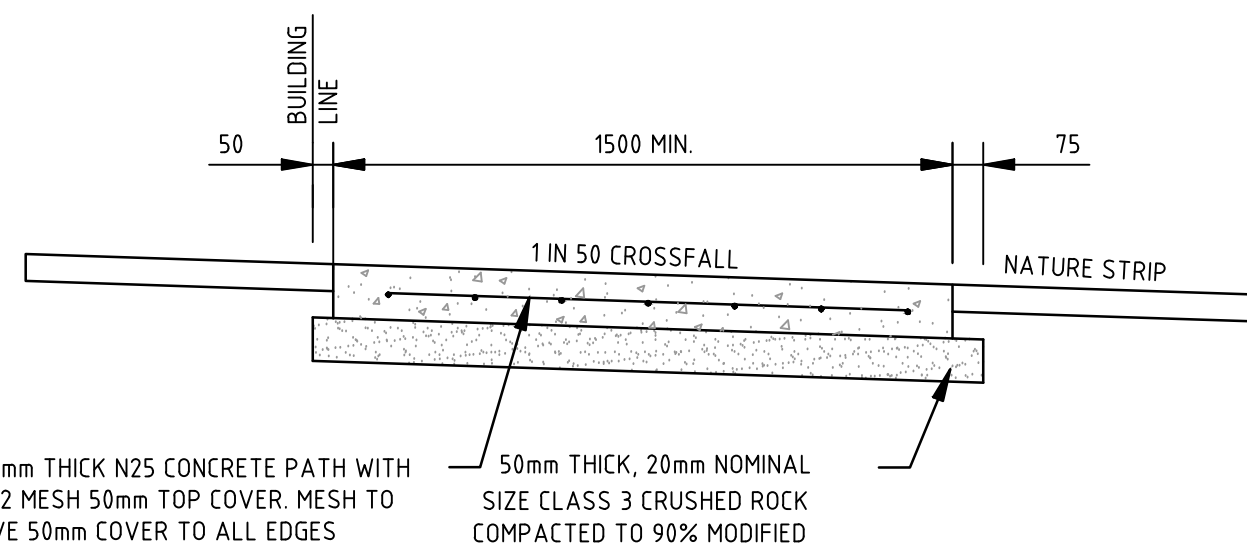
KERB PROFILES
SCALE: 1:10 @ A1



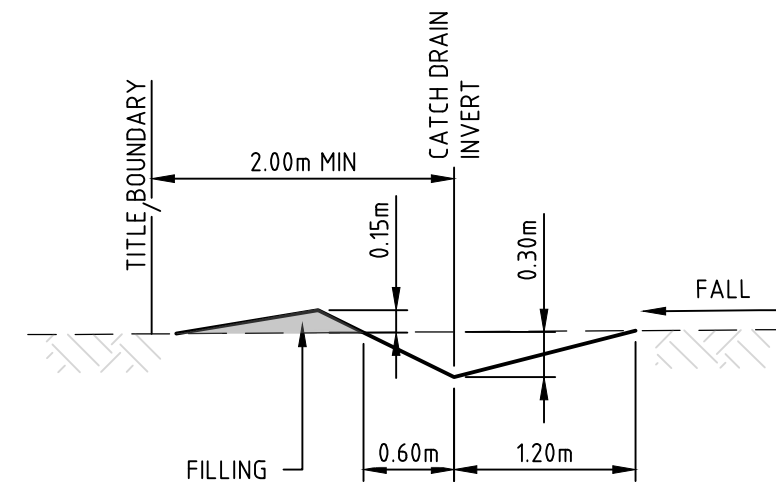
LOT REGRADING DETAIL
SCALE 1:50 @ A1



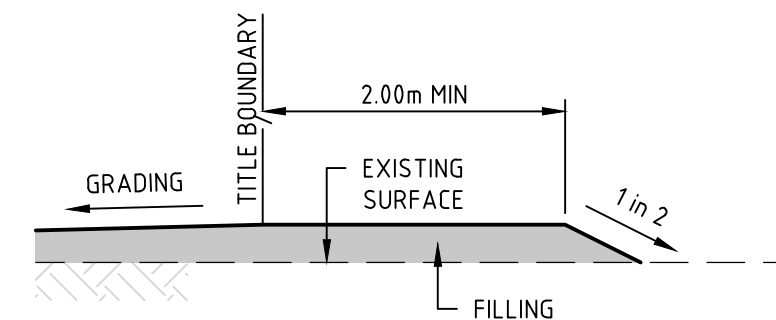
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NOT TO SCALE



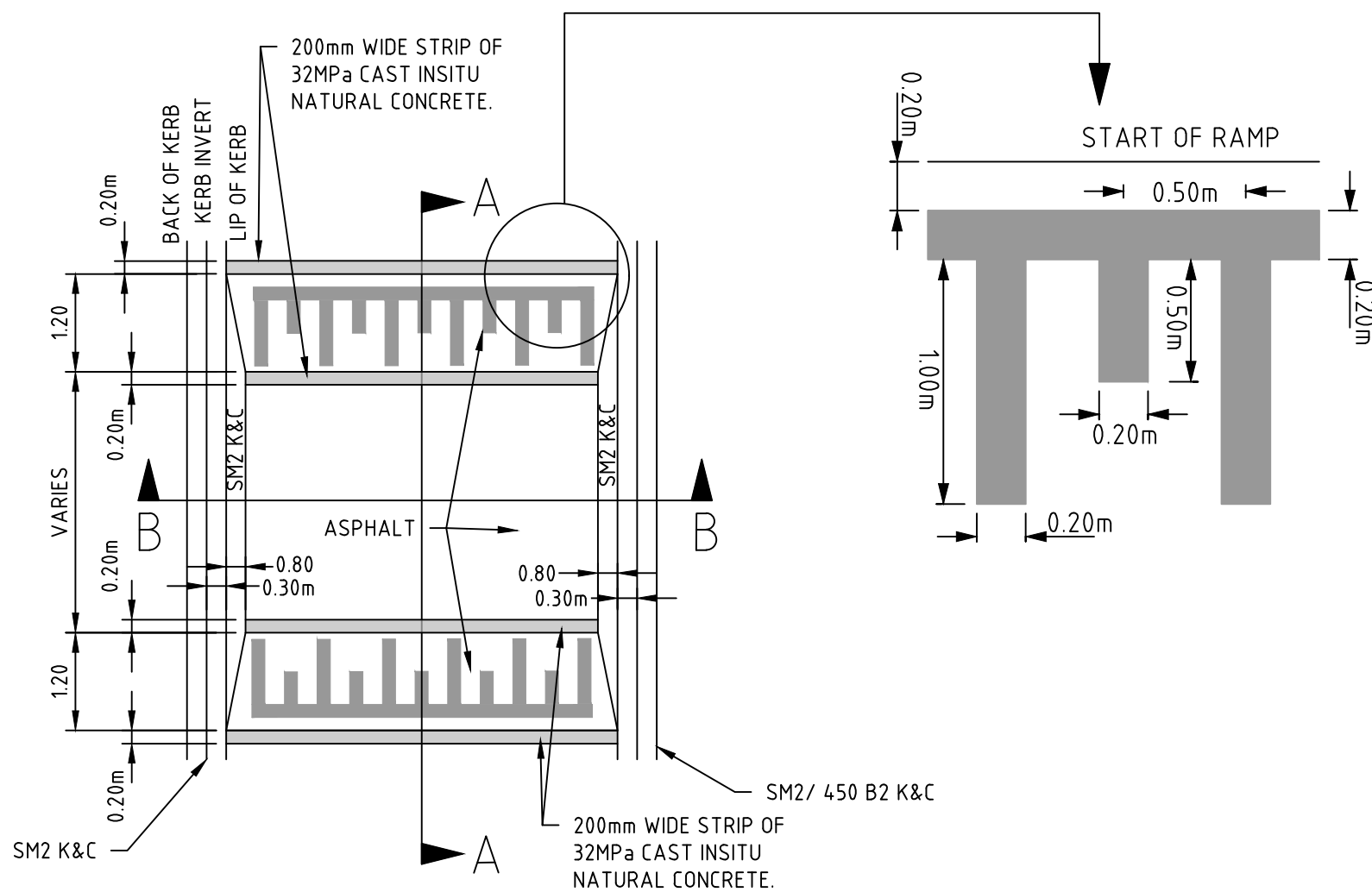
TYPICAL RESIDENTIAL FOOTPATH CROSS SECTION
NOT TO SCALE



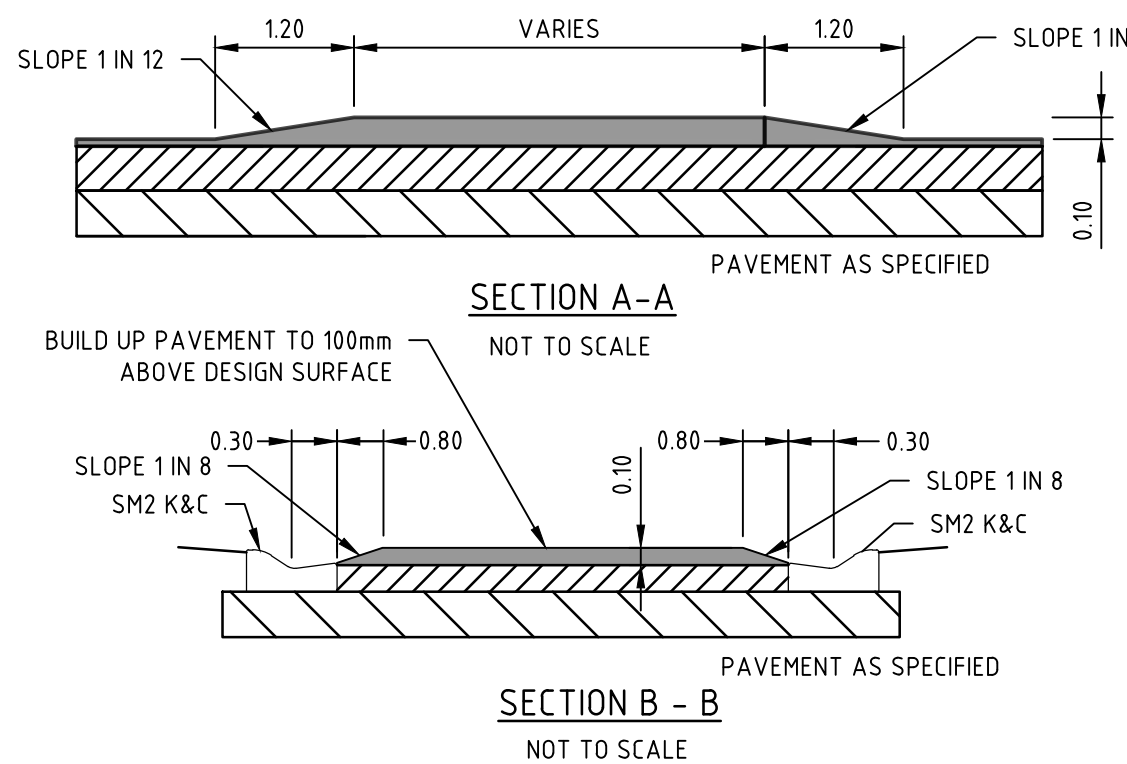
TYPICAL CATCH DRAIN SECTION
SCALE 1:50 @ A1



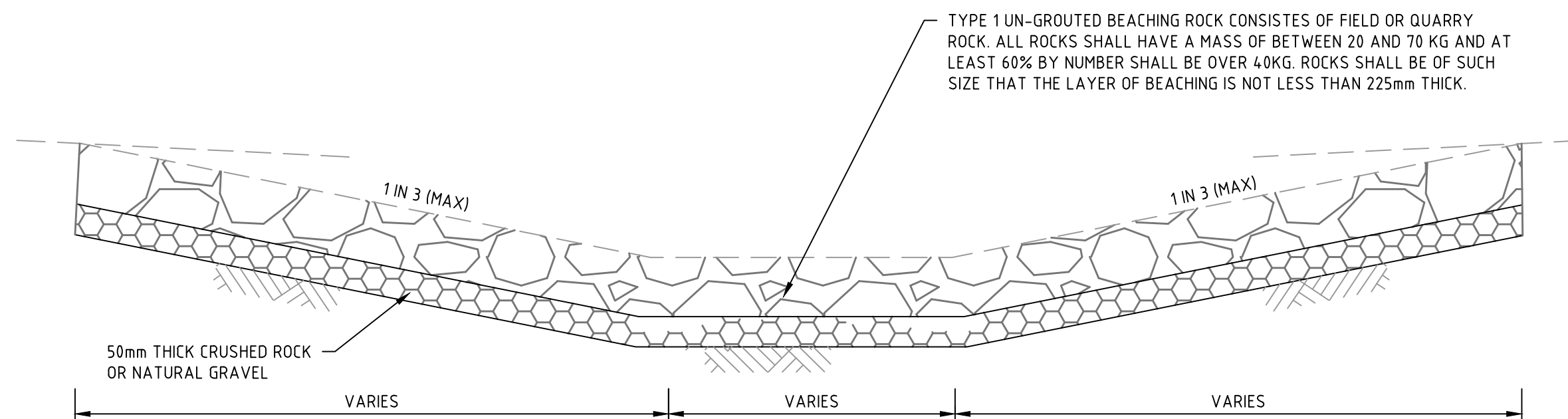
STAGE BOUNDARY LOT FILLING
SCALE 1:50 @ A1



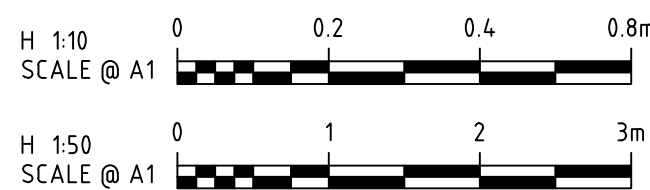
PROPOSED SPEED BUMP DETAIL
NOT TO SCALE



TYPICAL CATCH DRAIN ROCK BEACHING DETAIL
NOT TO SCALE
REFER VICROADS STANDARD DRAWING SD 1521A



C	09.05.25	MA	<i>[Signature]</i>	<i>[Signature]</i>	DRIVEWAYS REFERENCE NOTE ADDED, ROCK BEACHING DETAIL ADDED
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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CLIENT
SIG GROUP

APPROVED PE 0005927
[Signature]

DESIGNED
W. SANSOM

SCALE
AS SHOWN

PROJECT
KALA ESTATE - STAGE 01

TITLE
STANDARD DETAILS

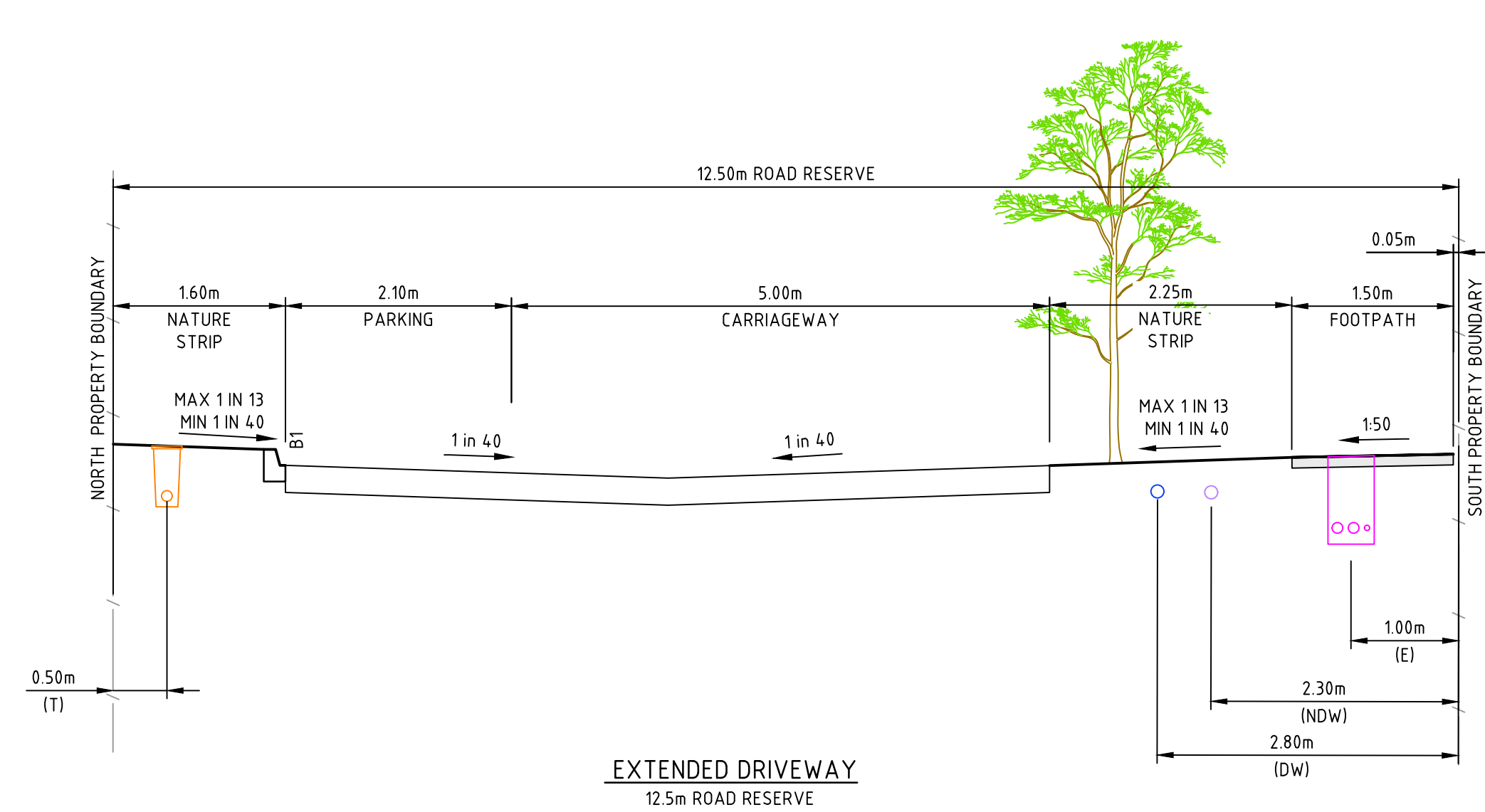
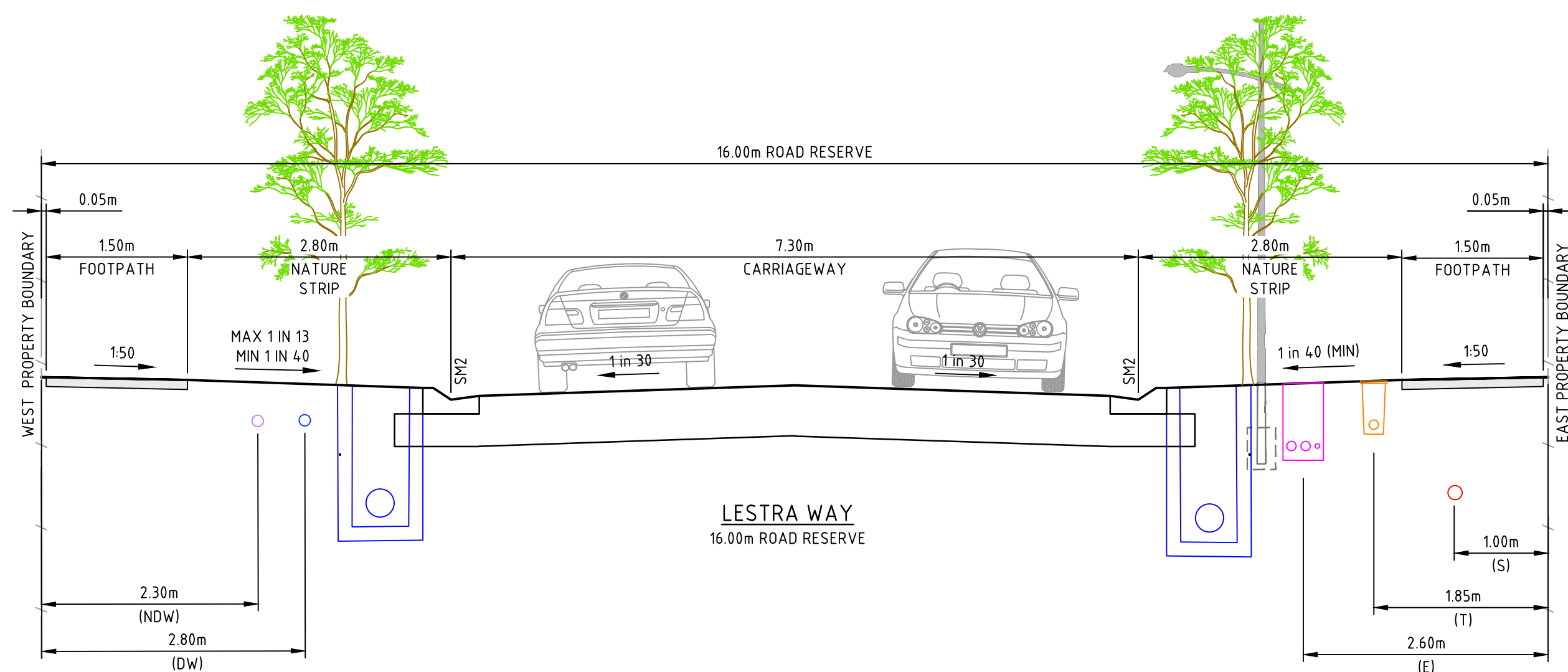
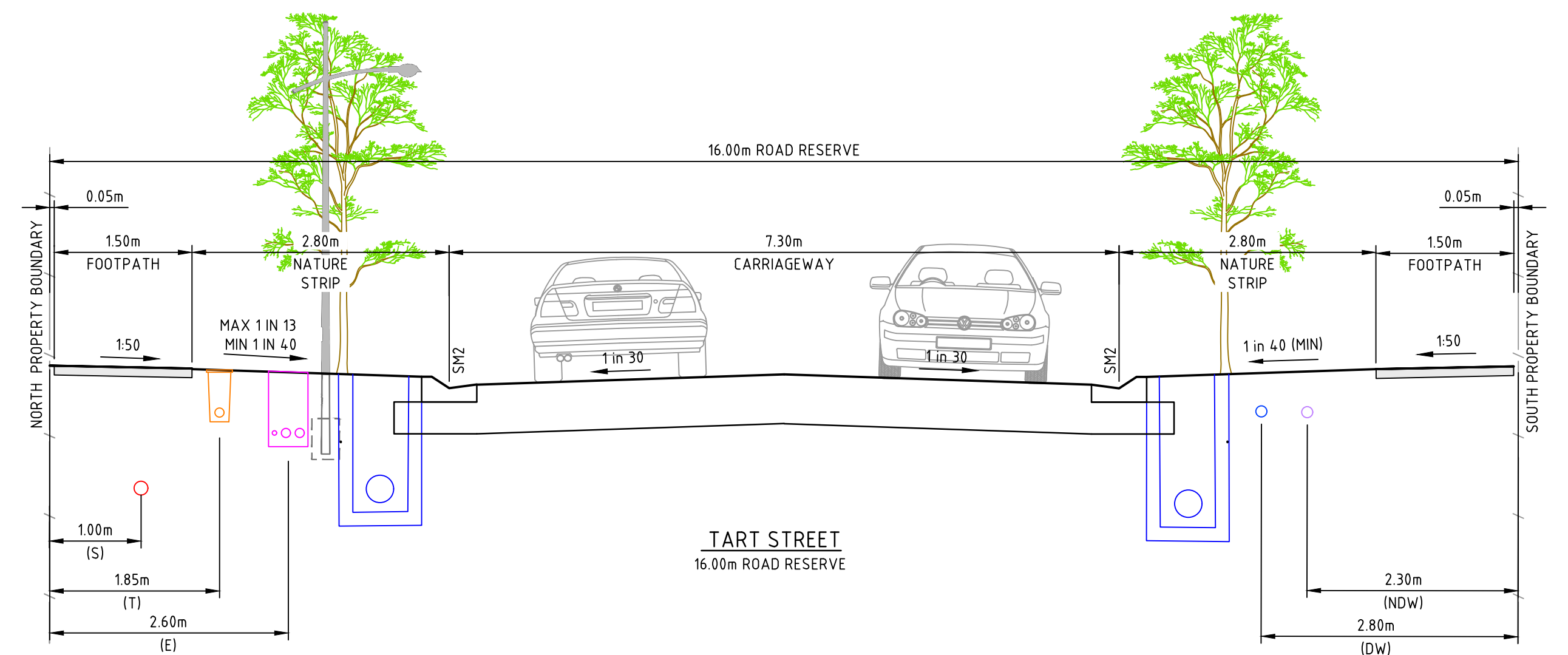
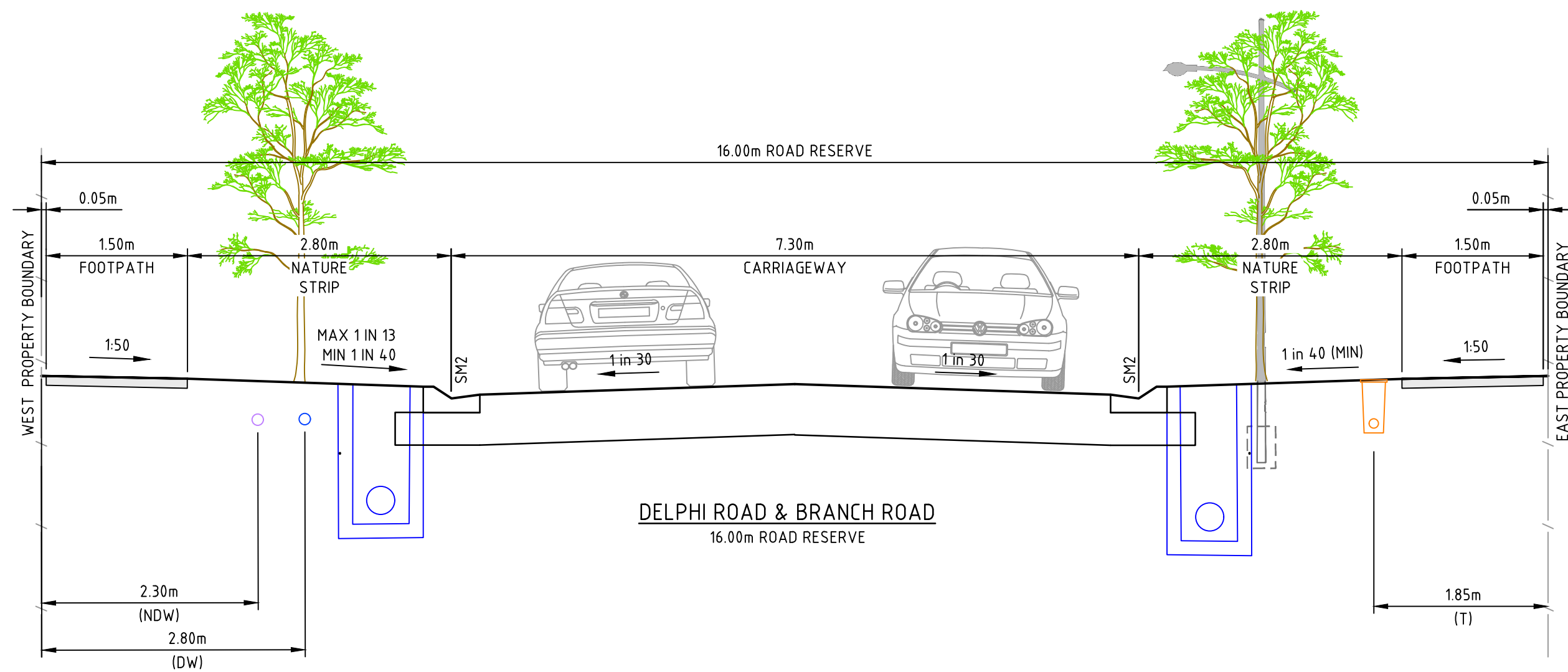
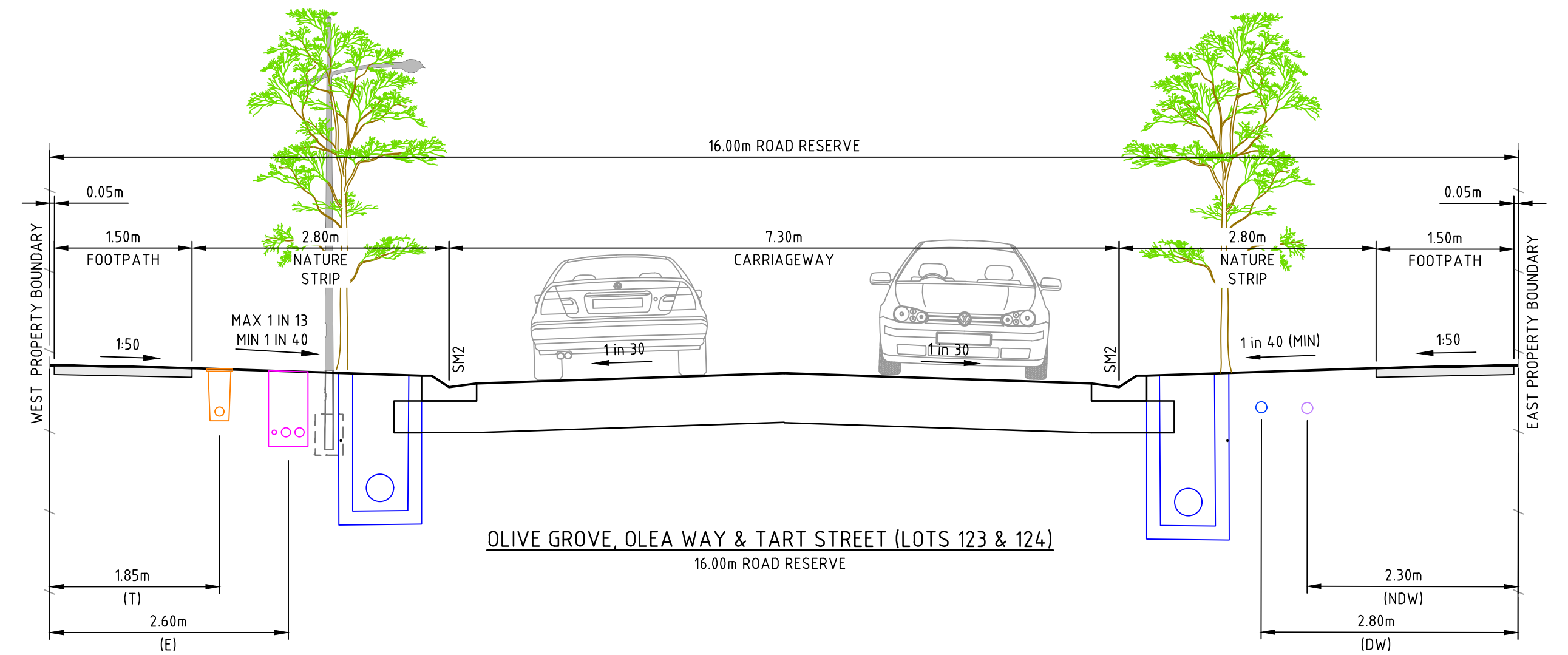
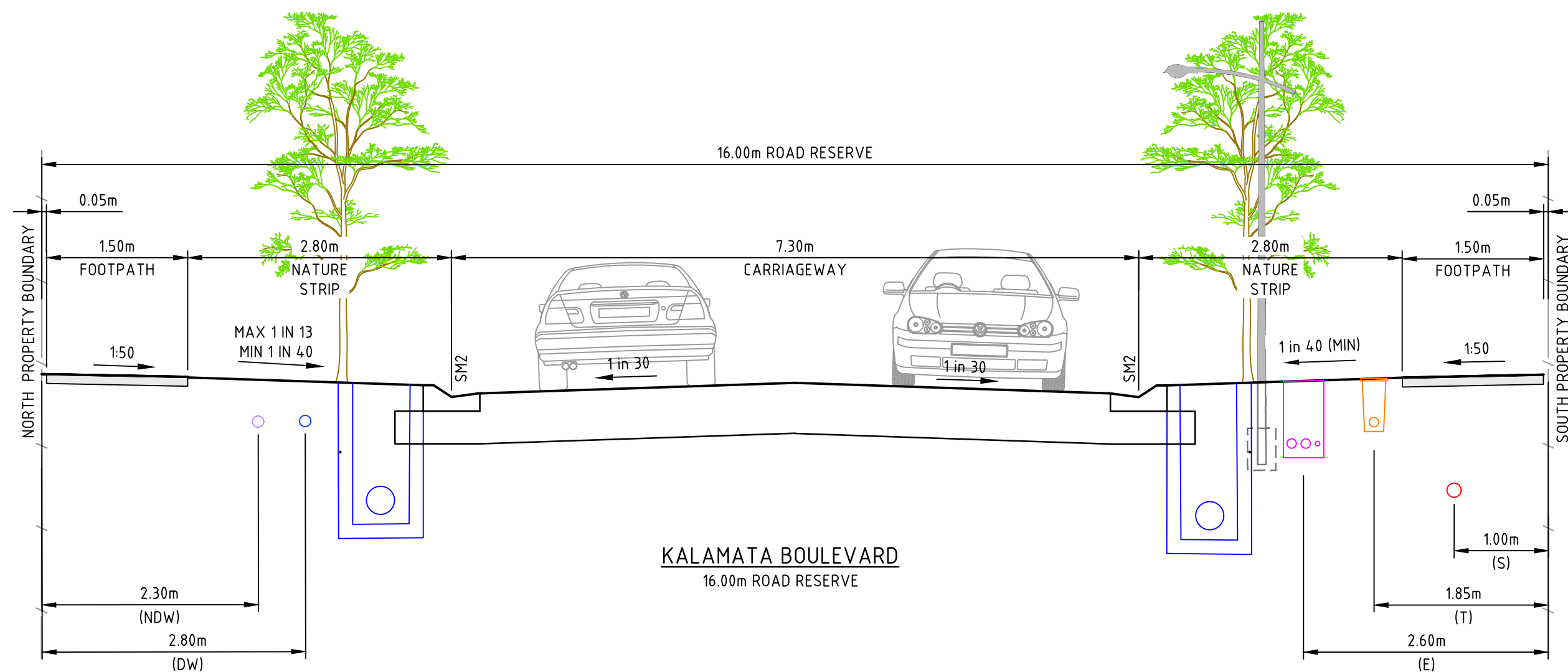
MUNICIPALITY
CARDINIA SHIRE COUNCIL

PP No.
T220227

DRAWING No.
3086-01-011

REVISION
C

ORIGINAL
SIZE
A1



C:\Users\p4531386\OneDrive\Documents\3086-01-020-TS.dwg 5/8/2025 3:45 PM NINEA TABLEA

C	09.05.25	MA	<i>[Signature]</i>	<i>[Signature]</i>	ELECTRICITY REMOVED FROM DELPHI ROAD AND BRANCH ROAD
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



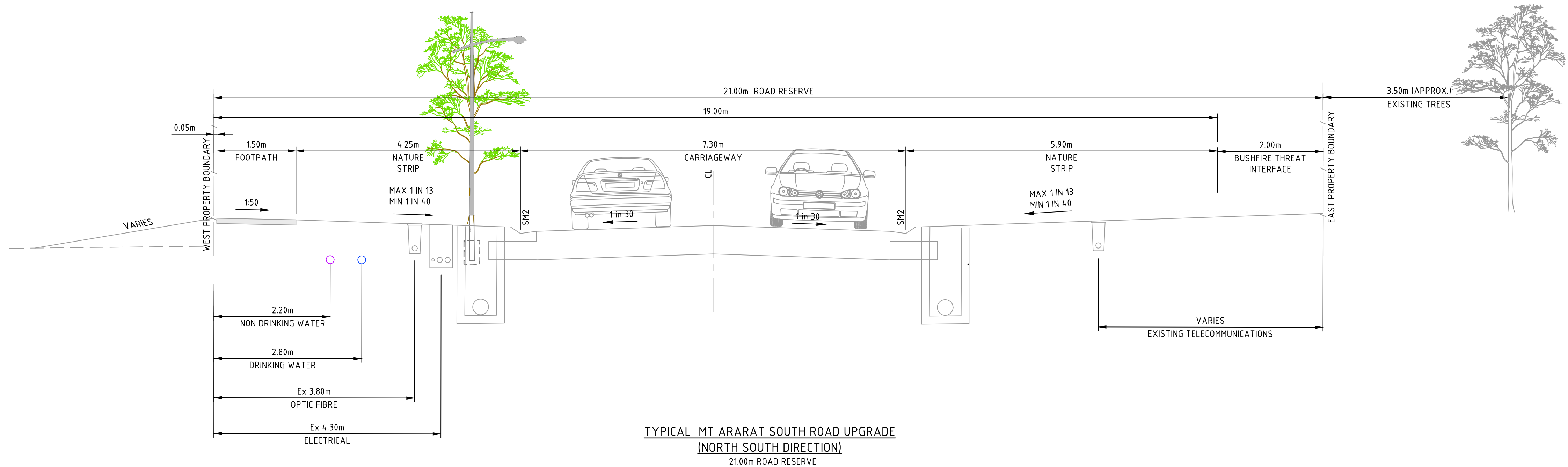
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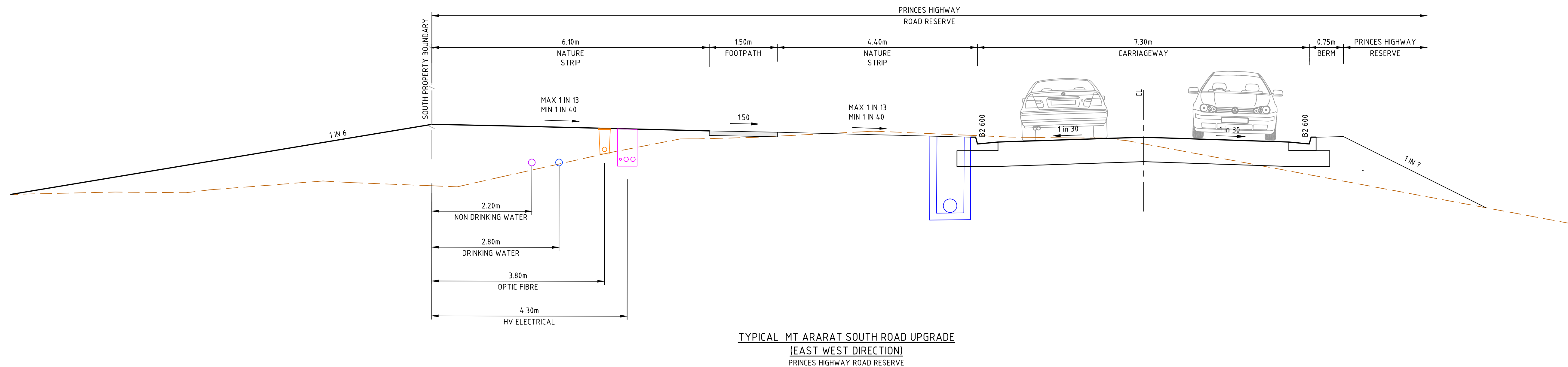
CLIENT
SIG GROUP
APPROVED PE 0005927
DESIGNED W. SANSOM
SCALE 1:50 @ A1

PROJECT
KALA ESTATE - STAGE 01
TITLE
TYPICAL CROSS SECTIONS (SHEET 1 OF 2)
MUNICIPALITY
CARDINIA SHIRE COUNCIL
PP No. T220227
DRAWING No. 3086-01-020
REVISION C

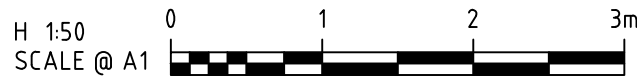
ORIGINAL SIZE A1



UPGRADE OF MOUNT ARARAT SOUTH ROAD
TO BE HANDLED AS SEPARATE EXTERNAL
WORKS PACKAGE FROM STAGE 1



B	23.01.25	AT	<i>[Signature]</i>	<i>[Signature]</i>	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



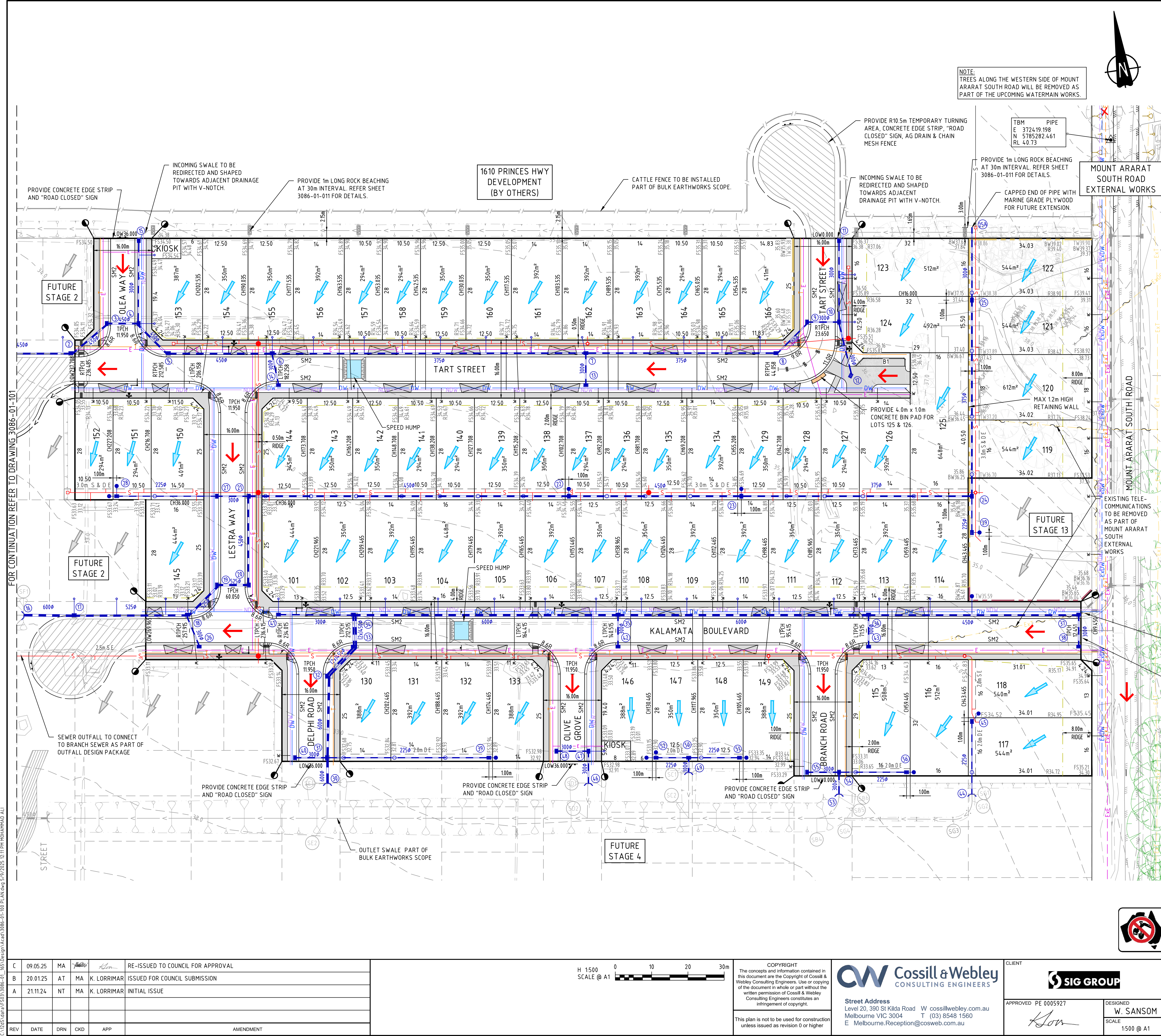
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APPROVED PE 0005927	DESIGNED W. SANSOM
SCALE 1:50 @ A1	PP No. T220227

PROJECT	KALA ESTATE - STAGE 01
TITLE	TYPICAL CROSS SECTIONS (SHEET 2 OF 2)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
DRAWING No.	3086-01-021
REVISION	B

ORIGINAL
SIZE
A1



LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN - DRINKING WATER	ExDW	DW
WATER MAIN - NON-DRINKING WATER	ExNDW	NDW
WATER CONDUITS	W	W
OVERHEAD ELECTRICITY	ExOE	OE
UNDERGROUND ELECTRICITY	ExE	E
TELECOMMUNICATION & SERVICE PIT	ExT	T
SEWER & MANHOLE	ExS	S
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN, PIT & HOUSE DRAIN/PROPERTY INLET		
RIDGE / CHANGE OF GRADE LINE		
SURFACE LEVEL	43.21	FS44.33
RIDGE LEVEL		R43.55
TOP OF WALL LEVEL		T43.55
BOTTOM OF WALL LEVEL		B42.55
CONCRETE VEHICLE CROSSING		
CONCRETE FOOTPATH		
SURFACE CONTOUR	-51.20-	
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
ROAD CHAINAGES	CH36.20 (L/R)TPCH36.20	CH36.20 (L/R)TPCH36.20
LOT CHAINAGE	CH28.50	CH28.50
SIGN AND POST		
FALL OF DESIGN SURFACE		
100 YEAR OVERLAND FLOW PATH		
LIMIT OF WORKS		
RETAINING WALL - CONCRETE SLEEPER		
RETAINING WALL - ROCK/STONE		
BATTER		
SERVICE TO BE REMOVED/ABANDONED		
TREE TO BE RETAINED		
TREE REMOVED BY OTHERS		

NOTE:

- EXTERNAL WORKS - UPGRADE OF MOUNT ARARAT SOUTH ROAD FRONTING STAGE 1 TO INCLUDE THE NECESSARY DRIVEWAYS, FOOTPATHS, AND SERVICE WORKS REQUIRED FOR THE DEVELOPMENT OF LOTS 117, 118 & 119 TO 122.
- HOUSE DRAINS MARKED "H" STENCILLED ON FACE OF KERB.
- PRIOR TO PC, PROVIDE THE ALLOCATED STREET NUMBER ON THE KERB IN FRONT OF EACH LOT. THE KERBSIDE NUMBERS MUST BE 100mm WHITE LETTERING ON A BLACK BACKGROUND LOCATED ON THE FRONT OF THE KERB AT THE PROPERTY FRONTAGE TO COUNCIL SATISFACTION.

WARNING

BEWARE OF UNDERGROUND/OVERHEAD SERVICES
THE LOCATION OF SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. SPECIAL CONSIDERATION SHOULD BE GIVEN TO CONSTRUCTION PROCEDURES UNDER OVERHEAD ELECTRICITY TRANSMISSION LINES.

C

09.05.25

MA

Klon

RE-ISSUED TO COUNCIL FOR APPROVAL

B

20.01.25

AT

MA

K. LORRIMAR

ISSUED FOR COUNCIL SUBMISSION

A

21.11.24

NT

MA

K. LORRIMAR

INITIAL ISSUE

REV

DATE

DRN

OKD

APP

AMENDMENT

H 1:500

SCALE @ A1

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Klon

PROJECT

KALA ESTATE - STAGE 01

TITLE

LAYOUT PLAN (SHEET 1 OF 2)

MUNICIPALITY

CARDINIA SHIRE COUNCIL

PP No.

T220227

DRAWING No.

3086-01-100

REVISION

C

DESIGNED

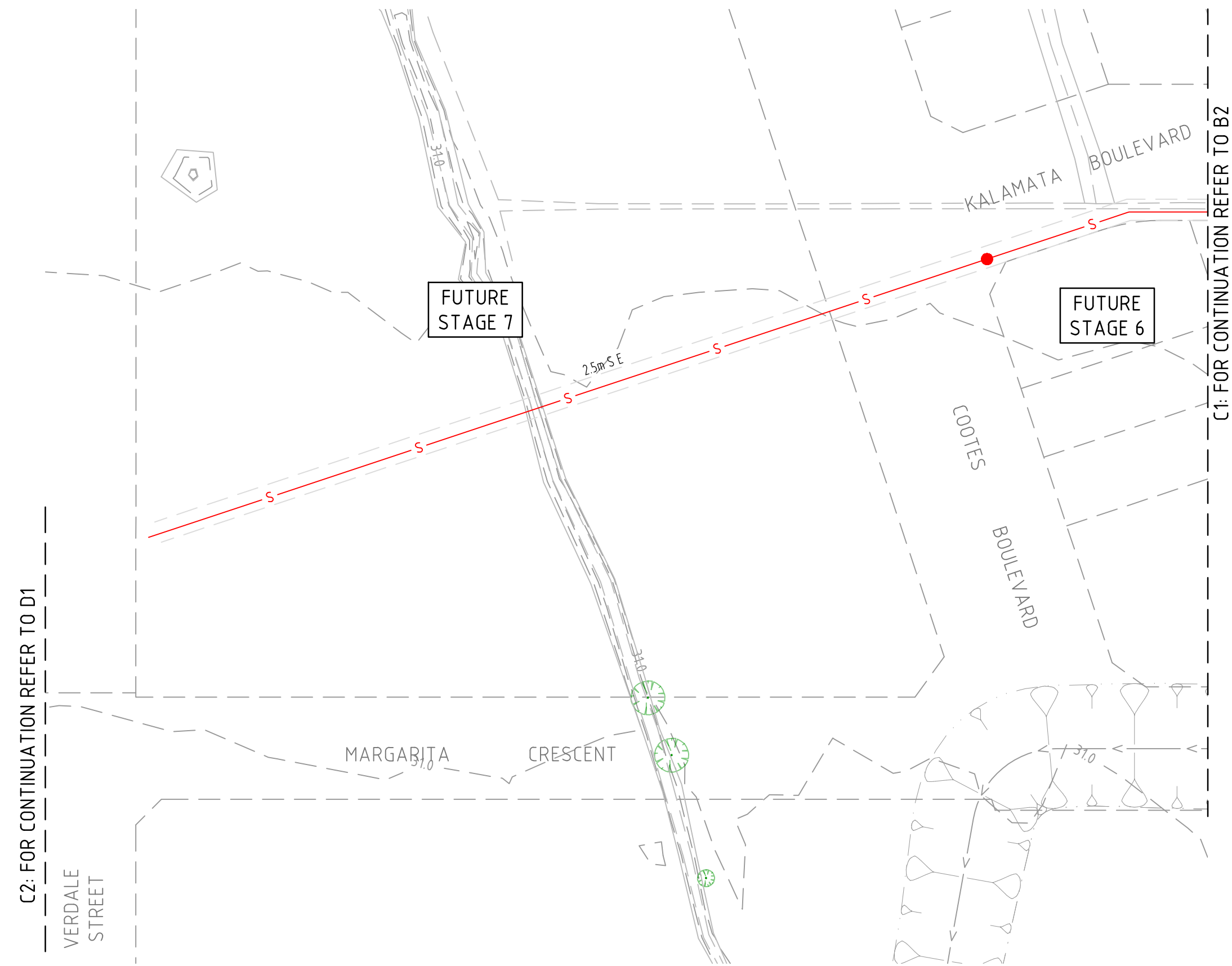
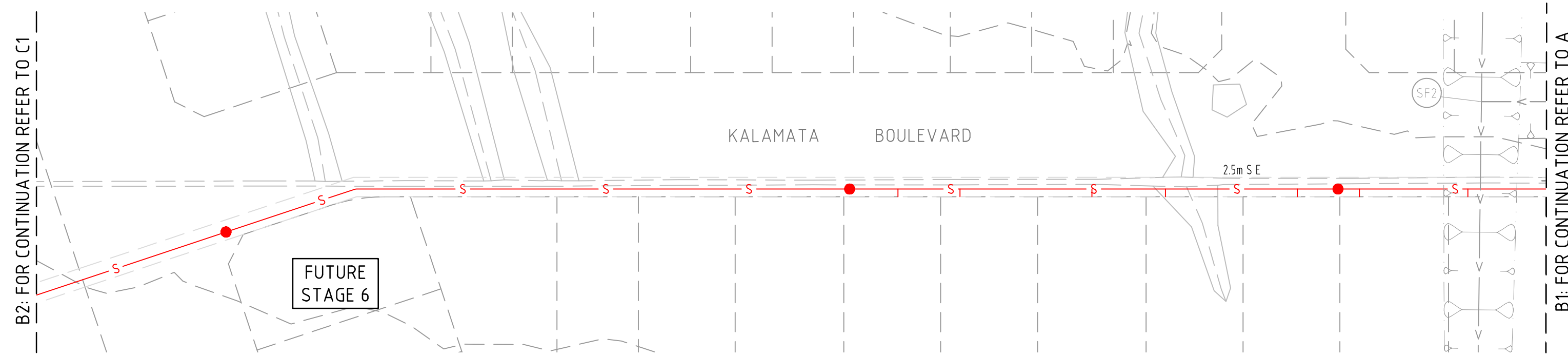
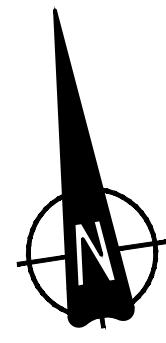
W. SANSON

SCALE

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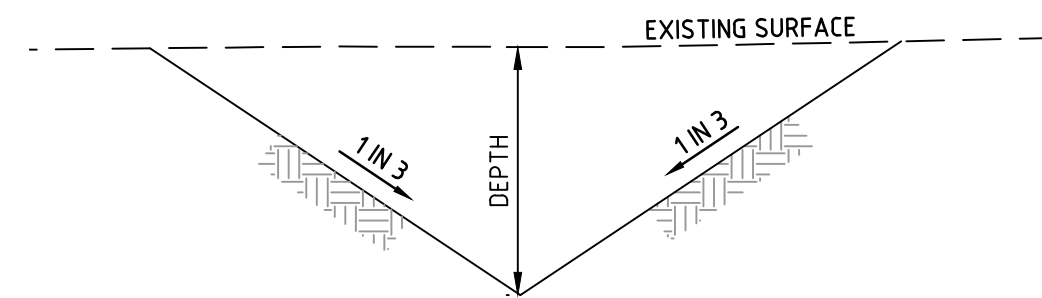
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A1

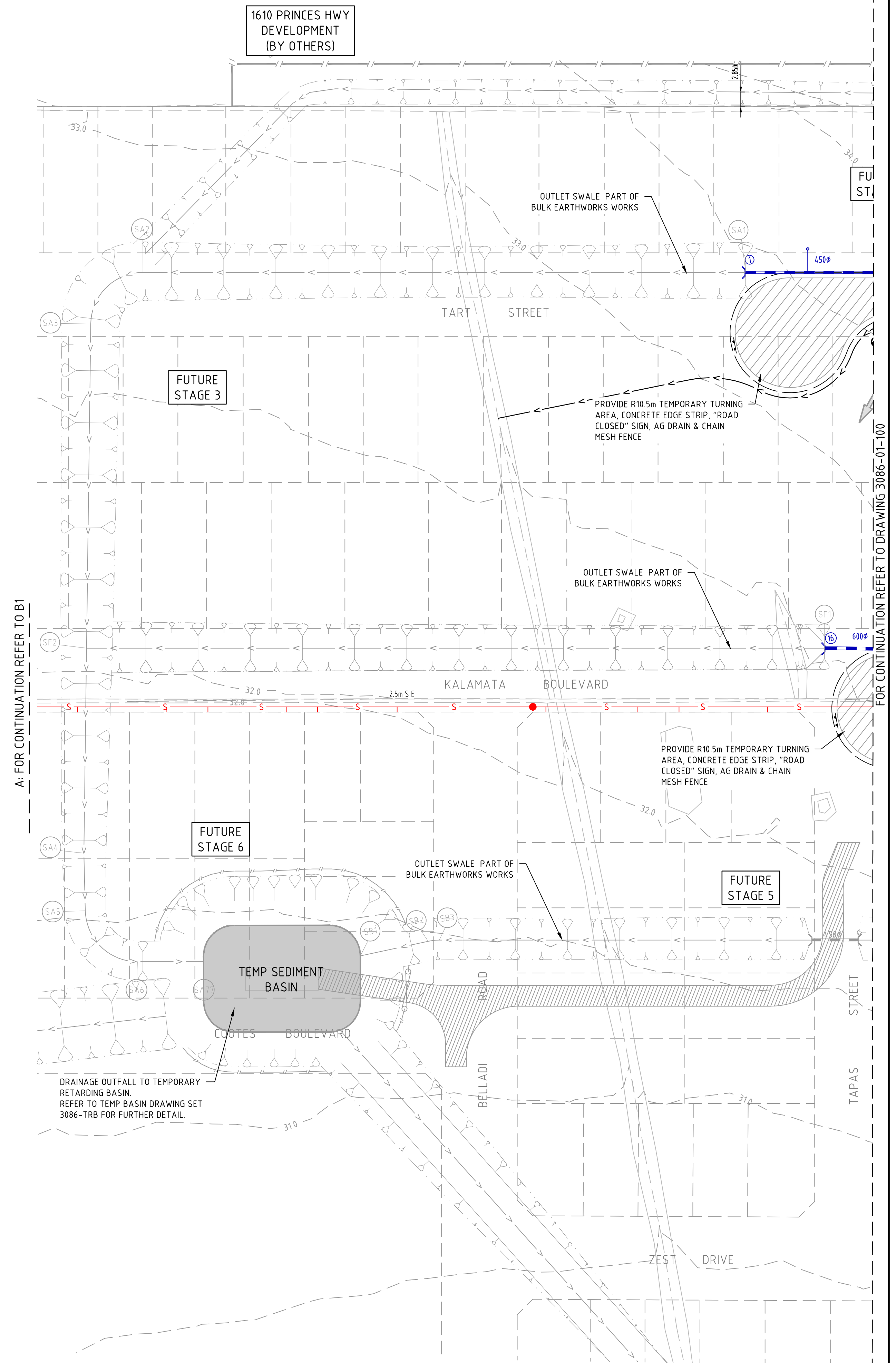


NOTES:
1. DRAINAGE OUTFALL CHANNELS ARE PART OF THE BULK EARTHWORKS PACKAGE. REFER TO DRAWINGS 3086-01-800 TO 808 FOR FURTHER DETAILS.

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SEWER & MANHOLE	--- ExS --- ●	--- S --- ●
CENTRAL INVERT	--- > ---	--- > ---
COUNCIL STORMWATER DRAIN, PIT & HOUSE DRAIN/PROPERTY INLET	--- ● ---	--- ● ---
SURFACE CONTOUR	--- 51.20 ---	
SIGN AND POST	--- ● ---	--- ● ---
TREE TO BE RETAINED	⊗	



TYPICAL OUTLET SWALE
NOT TO SCALE



C:\Users\paul\Documents\3086-01-100\3086-01-100.dwg 5/9/2025 8:49 AM MOHAMMAD ALI

C	09.05.25	MA			RE-ISSUED TO COUNCIL FOR APPROVAL
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	21.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	OKD	APP	AMENDMENT

H 1:500
SCALE @ A1
0 10 20 30m

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SIG GROUP
APPROVED PE 0005927
DESIGNED
W. SANSOM
SCALE
1:500 @ A1

PROJECT
KALA ESTATE - STAGE 01
TITLE
LAYOUT PLAN (SHEET 2 OF 2)
MUNICIPALITY
CARDINIA SHIRE COUNCIL
PP No. T220227
DRAWING No. 3086-01-101
REVISION
C

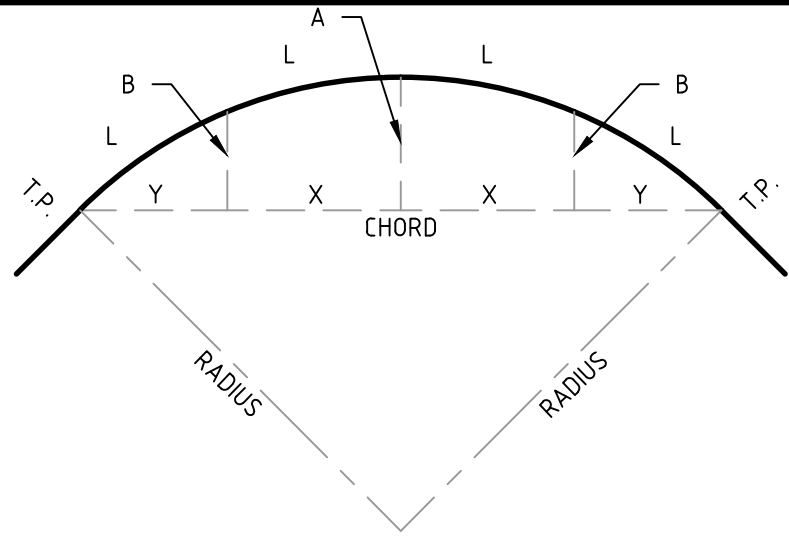
ORIGINAL
SIZE
A1

NOTES:
1. DRAINAGE OUTFALL CHANNELS ARE PART OF THE BULK EARTHWORKS PACKAGE. REFER TO DRAWINGS 3086-01-800 TO 808 FOR FURTHER DETAILS.

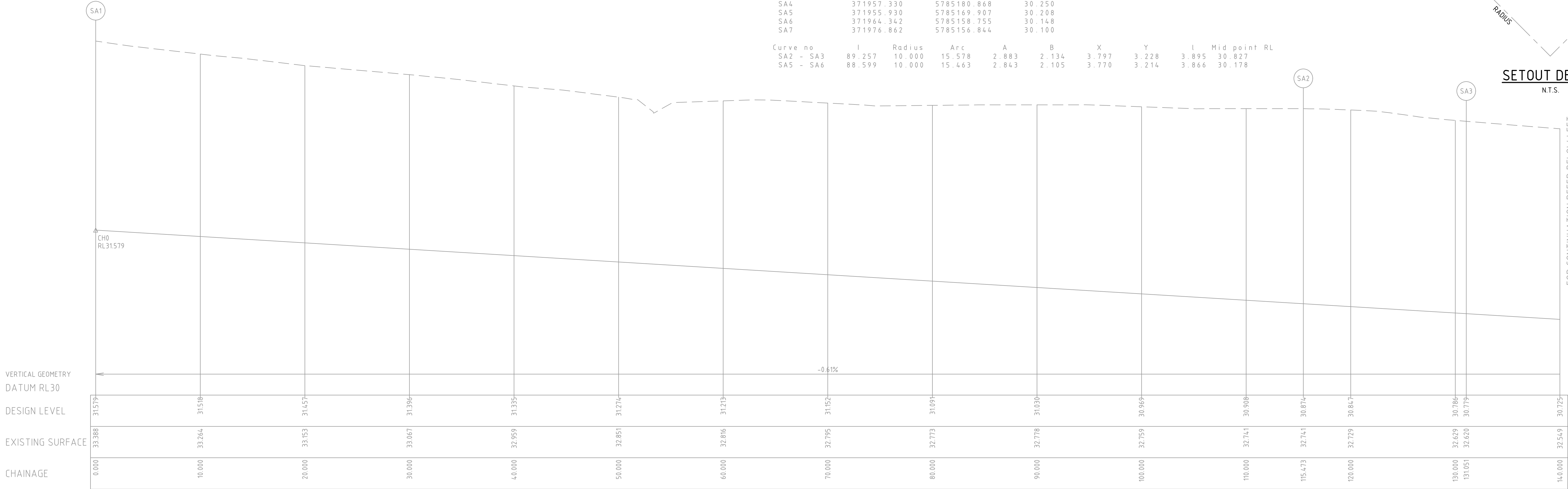
ALIGNMENT SA

Point no	Easting	Northing	RL
SA1	372099.450	5785271.746	31.579
SA2	371985.298	5785289.164	30.874
SA3	371973.925	5785280.915	30.779
SA4	371957.330	5785180.868	30.250
SA5	371955.930	5785169.907	30.208
SA6	371964.342	5785158.755	30.148
SA7	371976.862	5785156.844	30.100

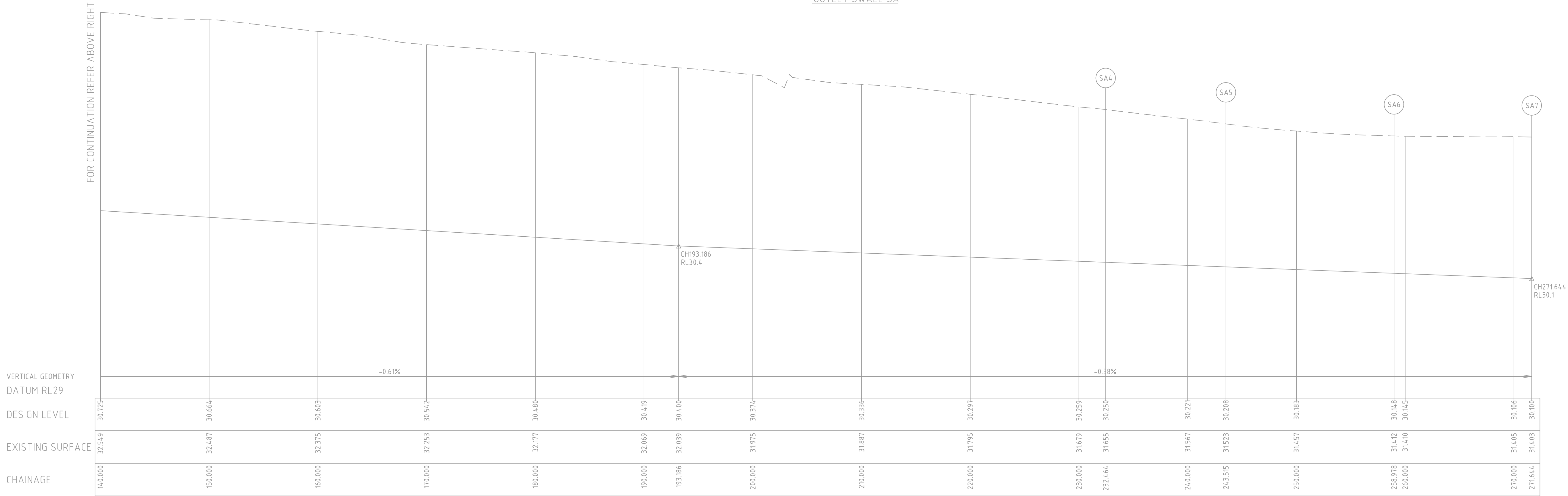
Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
SA2 - SA3	89.257	10.000	15.578	2.883	2.134	3.797	3.228	3.895	30.827
SA5 - SA6	88.599	10.000	15.463	2.843	2.105	3.770	3.214	3.866	30.178



SETOUT DETAIL
N.T.S.

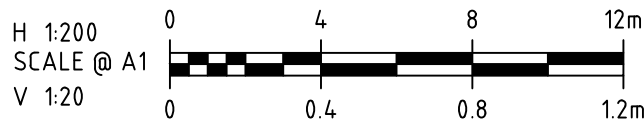


OUTLET SWALE SA



OUTLET SWALE SA

C	09.05.25	MA			DRAINAGE OUTFALL LONG SECTIONS AND SETOUT SHOWN AS EXISTING
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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E Melbourne.Reception@cosweb.com.au

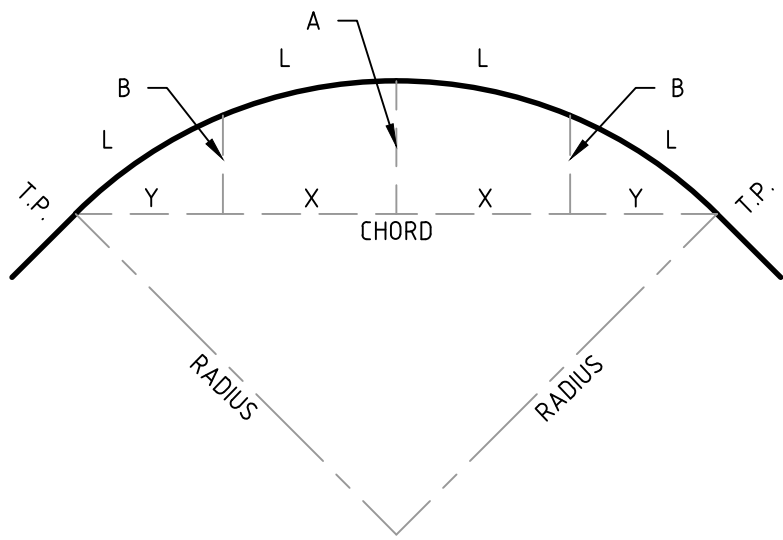
CLIENT			
APPROVED PE 0005927 		DESIGNED W. SANSOM	
SCALE AS SHOWN		MUNICIPALITY CARDINIA SHIRE COUNCIL	

PROJECT KALA ESTATE - STAGE 01		TITLE OUTLET SWALE SETOUT (SHEET 1 OF 4)	
PP No. T220227		DRAWING No. 3086-01-102	
		REVISION C	

ORIGINAL SIZE
A1

C:\Users\klo\Documents\3086-01-100\Drawings\3086-01-100 P\AL003 5/8/2025 3:54 PM\WFA TAB1B1A

NOTES:
1. DRAINAGE OUTFALL CHANNELS ARE PART OF THE BULK EARTHWORKS PACKAGE. REFER TO DRAWINGS 3086-01-800 TO 808 FOR FURTHER DETAILS.

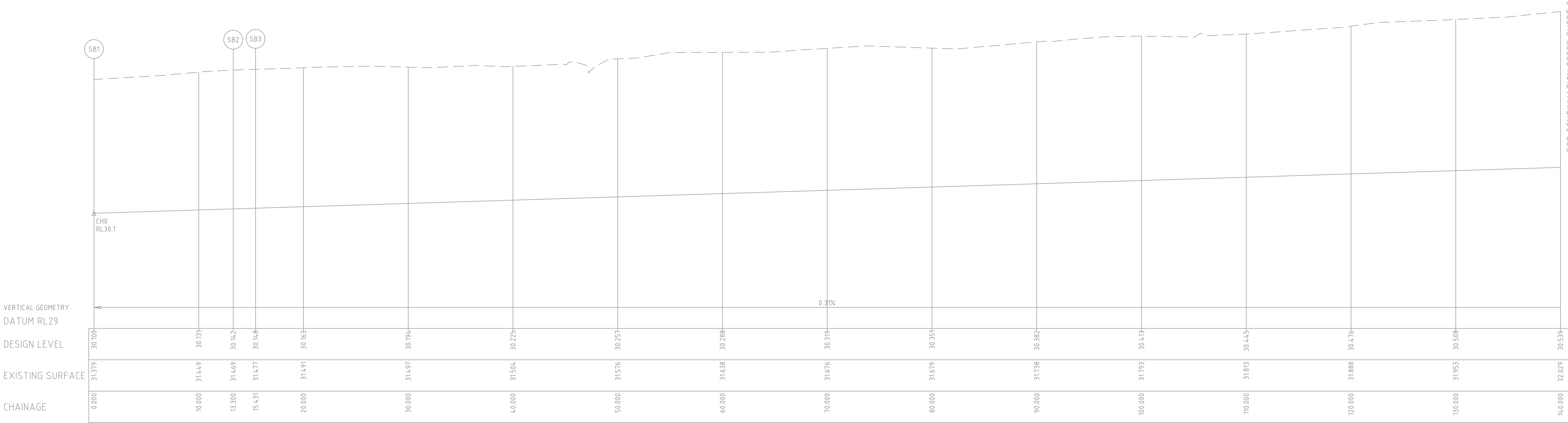


SETOUT DETAIL
N.T.S.

ALIGNMENT SB

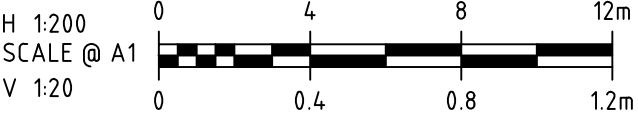
Point no	Easting	Northing	RL
SB1	372006.721	5785153.401	30.100
SB2	372019.995	5785154.222	30.142
SB3	372022.120	5785154.127	30.148
SB4	372310.960	5785110.070	31.425
SB5	372317.944	5785115.072	31.480
SB6	372318.046	5785115.739	31.484

Curve no	L	Radius	Arc	A	B	X	Y	I	Mid point RL
SB2 - SB3	12.210	10.000	2.131	0.057	0.043	0.532	0.531	0.533	30.145
SB4 - SB5	86.562	6.265	9.465	1.704	1.263	2.310	1.985	2.366	31.453



OUTLET SWALE SB

C	09.05.25	MA			DRAINAGE OUTFALL LONG SECTIONS AND SETOUT SHOWN AS EXISTING
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
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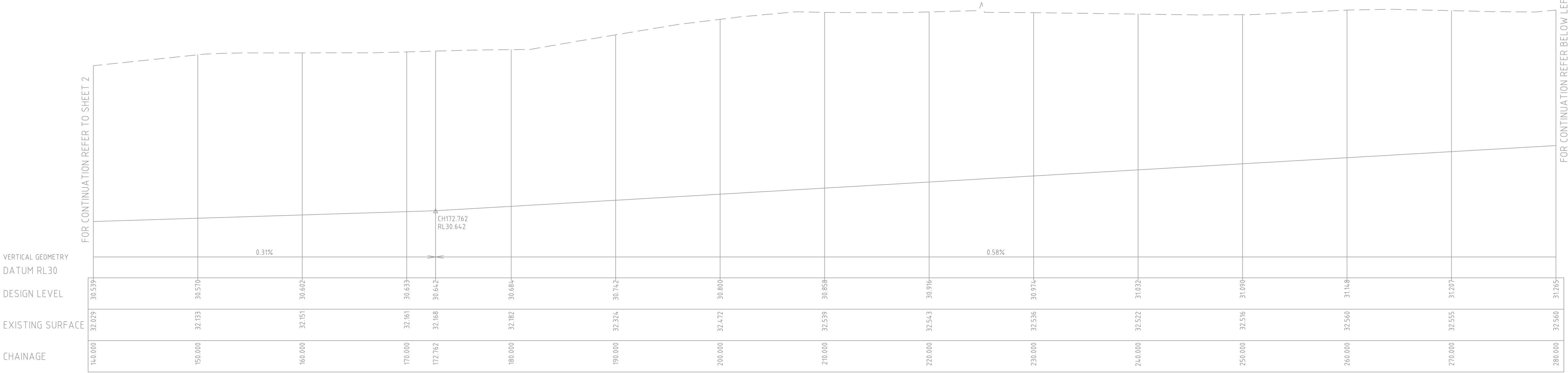
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E Melbourne.Reception@cosweb.com.au

CLIENT			
APPROVED PE 0005927		DESIGNED W. SANSOM	MUNICIPALITY CARDINIA SHIRE COUNCIL
		SCALE AS SHOWN	PP No. T220227

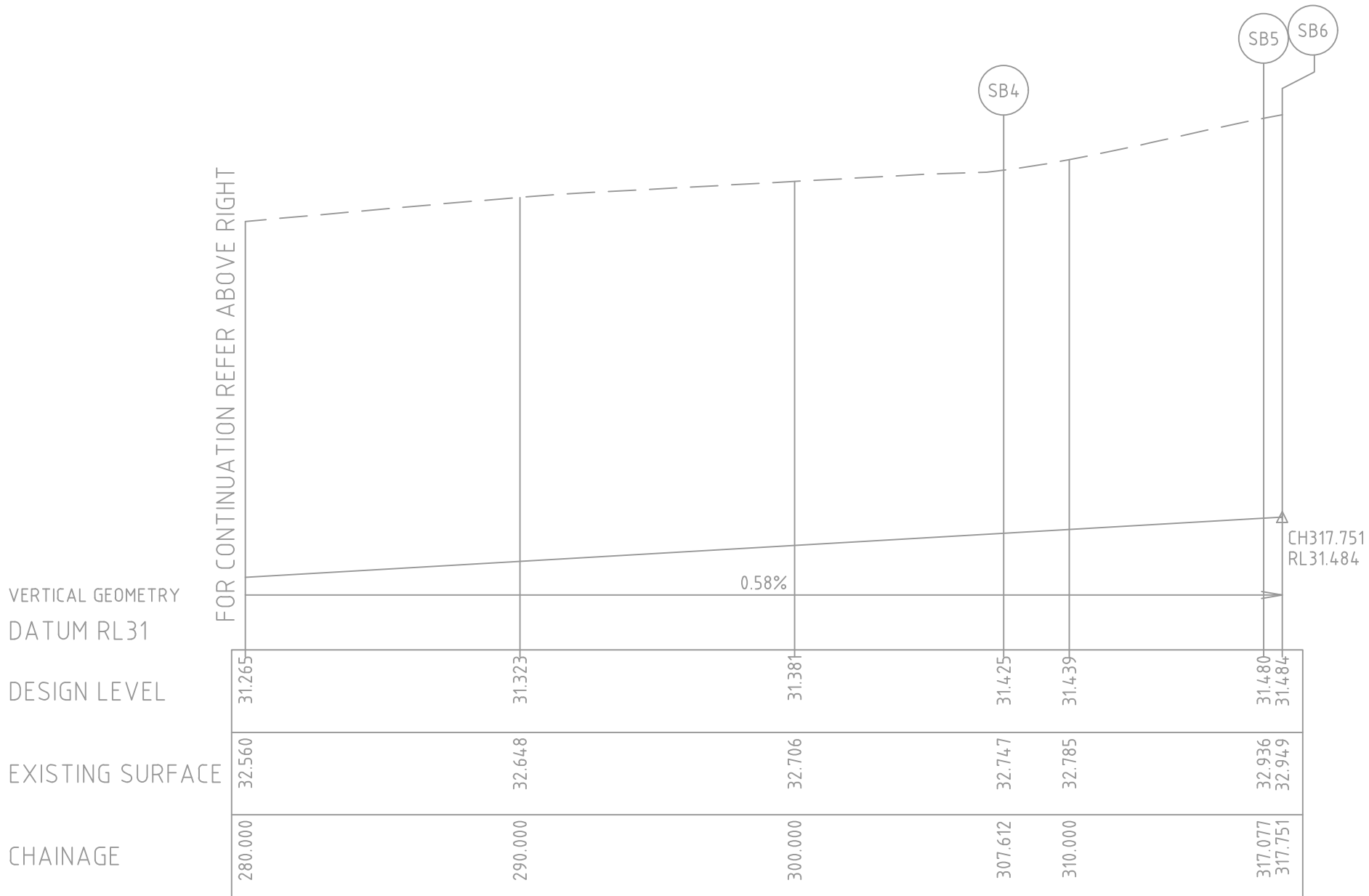
PROJECT KALA ESTATE - STAGE 01	
TITLE OUTLET SWALE SETOUT (SHEET 2 OF 4)	
PP No. T220227	DRAWING No. 3086-01-103
REVISION C	

ORIGINAL SIZE
A1

C:\Users\paul.vic@csweb.com\Documents\3086-01-104\Drawings\3086-01-104 P\DWG 5 08/2025 355 PM NMF4 TAB1E1A



OUTLET SWALE SB



OUTLET SWALE SB

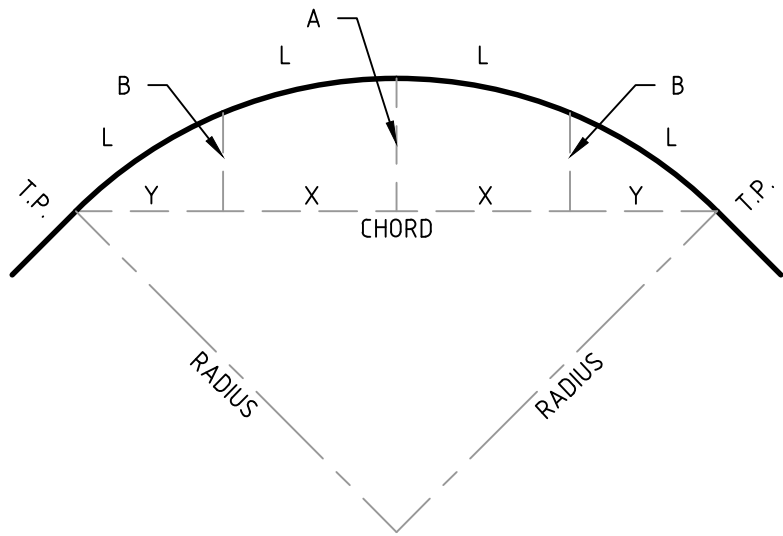
NOTES:

1. DRAINAGE OUTFALL CHANNELS ARE PART OF THE BULK EARTHWORKS PACKAGE. REFER TO DRAWINGS 3086-01-800 TO 808 FOR FURTHER DETAILS.

ALIGNMENT SB

Point no	Easting	Northing	RL
SB1	372006.721	5785153.401	30.100
SB2	372019.995	5785154.222	30.142
SB3	372022.120	5785154.127	30.148
SB4	372310.960	5785110.070	31.425
SB5	372317.944	5785115.072	31.480
SB6	372318.046	5785115.739	31.484

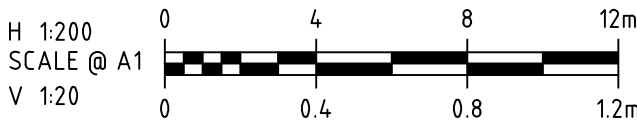
Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
SB2 - SB3	12.210	10.000	2.131	0.057	0.043	0.532	0.531	0.533	30.145
SB4 - SB5	86.562	6.265	9.465	1.704	1.263	2.310	1.985	2.366	31.453



SETOUT DETAIL

N.T.S.

C	09.05.25	MA			DRAINAGE OUTFALL LONG SECTIONS AND SETOUT SHOWN AS EXISTING
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	OKD	APP	AMENDMENT



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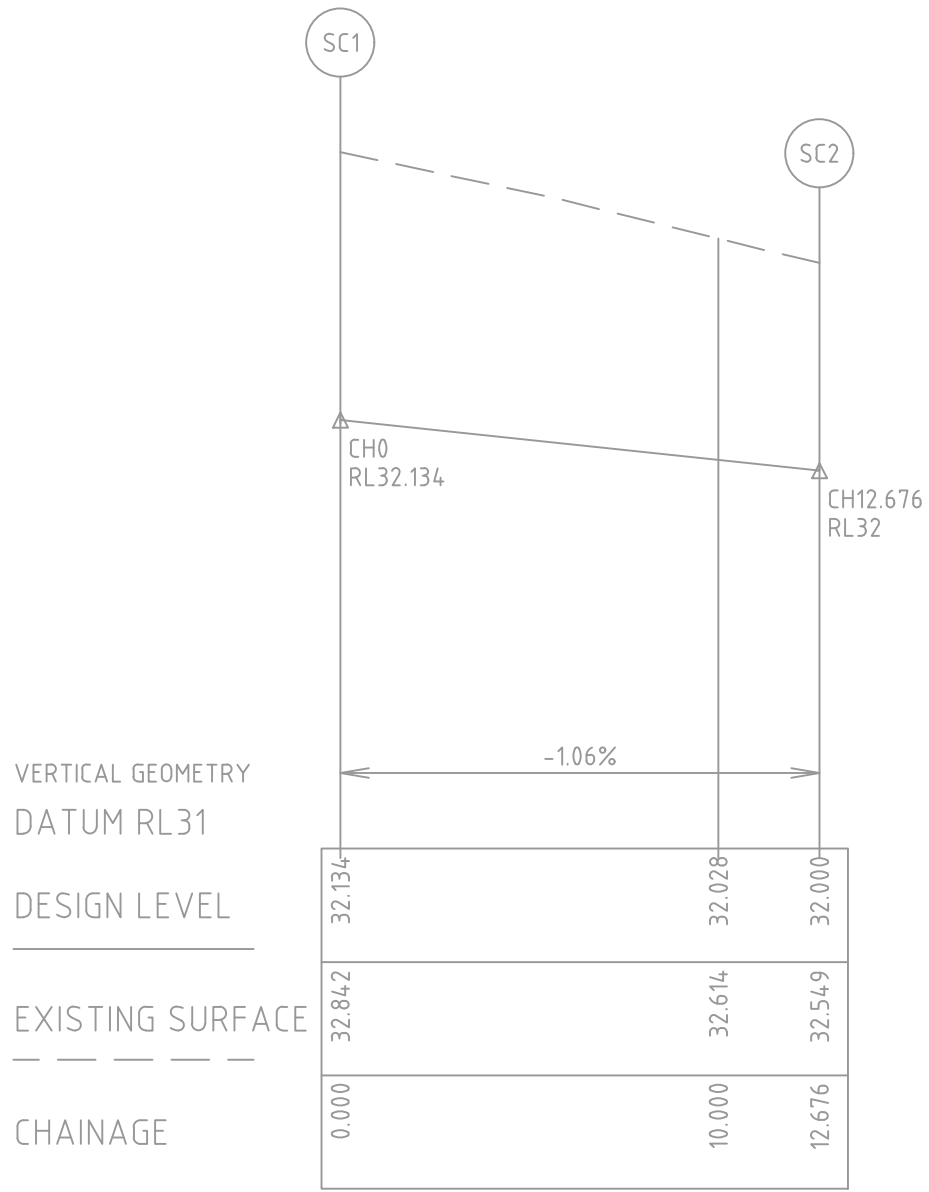
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CLIENT	
APPROVED PE 0005927	DESIGNED W. SANSOM
SCALE	AS SHOWN

PROJECT	KALA ESTATE - STAGE 01
TITLE	OUTLET SWALE SETOUT (SHEET 3 OF 4)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
PP No.	T220227
DRAWING No.	3086-01-104
REVISION	C

ORIGINAL SIZE
A1

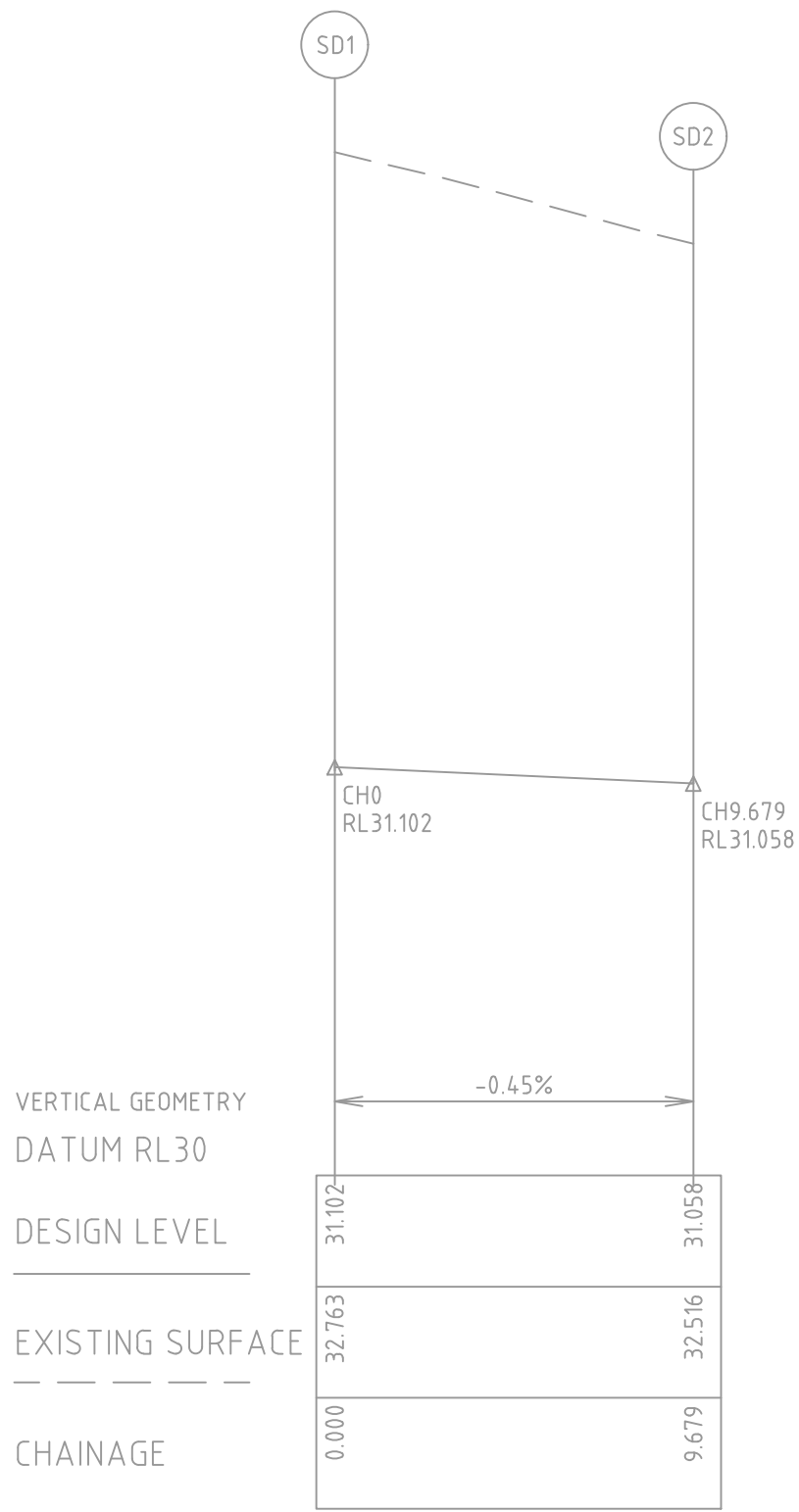
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OUTLET SWALE SC

ALIGNMENT SC

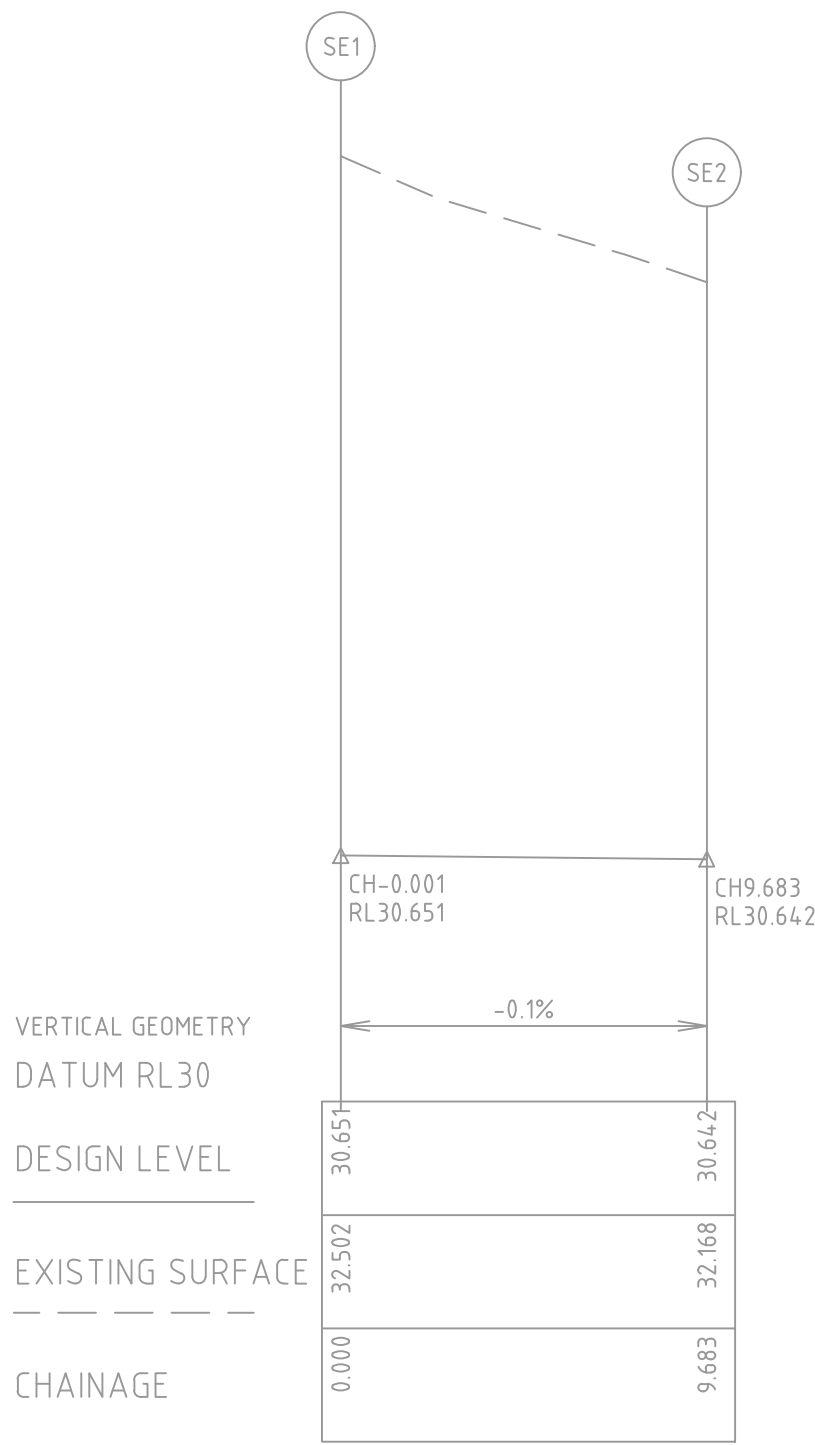
Point no	Easting	Northing	RL
SC1	372278.025	5785127.917	32.134
SC2	372276.113	5785115.386	32.000



OUTLET SWALE SD

ALIGNMENT SD

Point no	Easting	Northing	RL
SD1	372250.140	5785129.137	31.102
SD2	372248.532	5785119.592	31.058

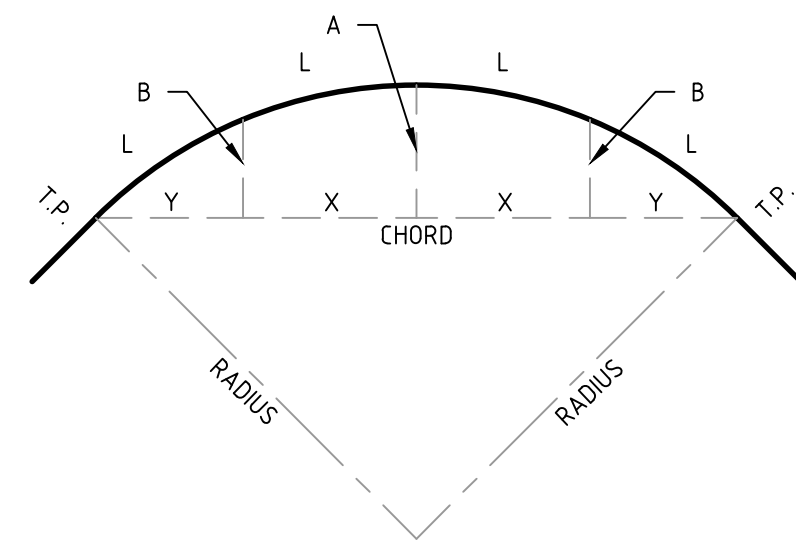


OUTLET SWALE SE

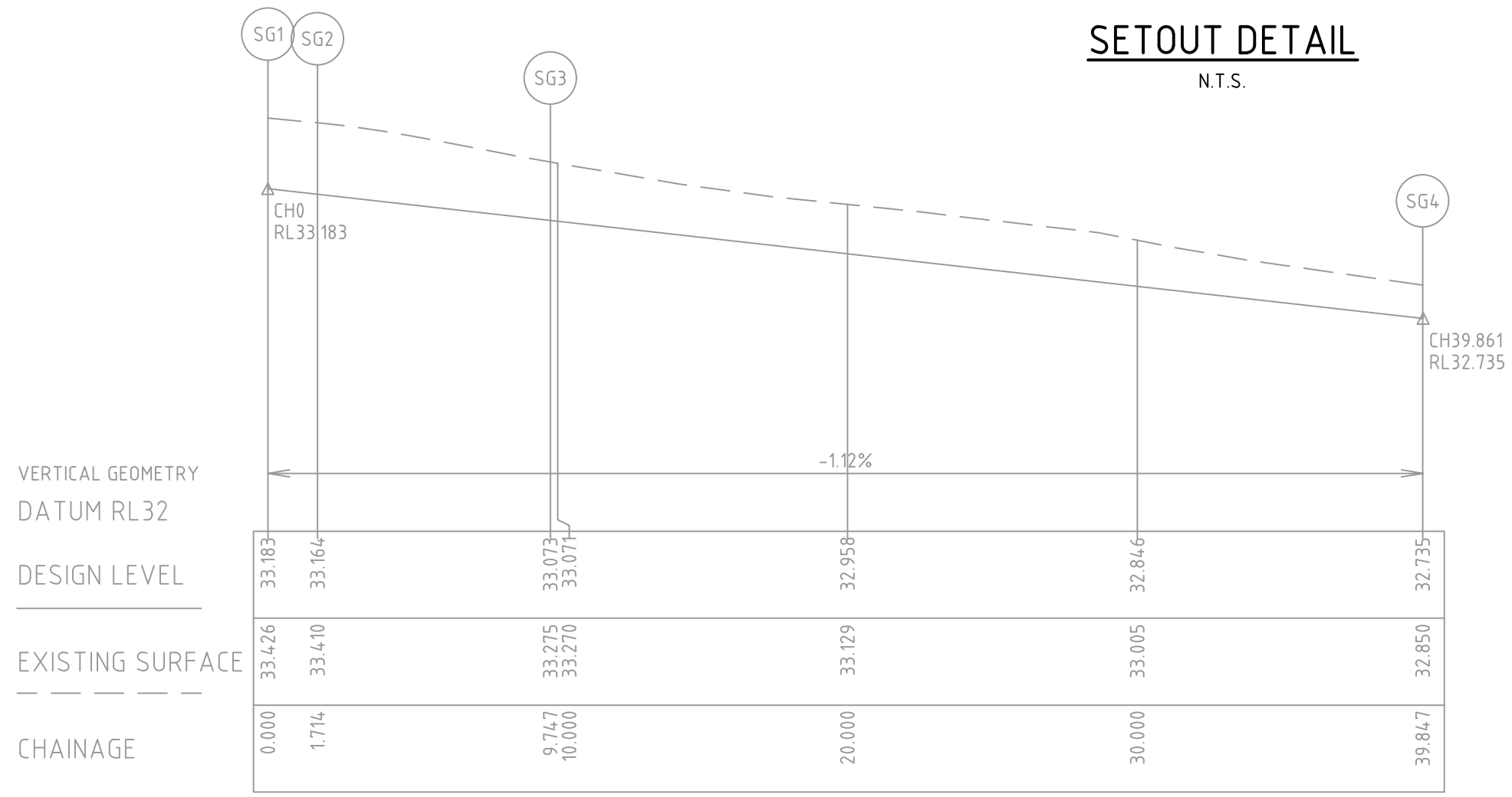
ALIGNMENT SE

Point no	Easting	Northing	RL
SE1	372179.112	5785139.976	30.651
SE2	372177.652	5785130.404	30.642

NOTES:
1. DRAINAGE OUTFALL CHANNELS ARE PART OF THE BULK EARTHWORKS PACKAGE. REFER TO DRAWINGS 3086-01-800 TO 808 FOR FURTHER DETAILS.



SETOUT DETAIL
N.T.S.

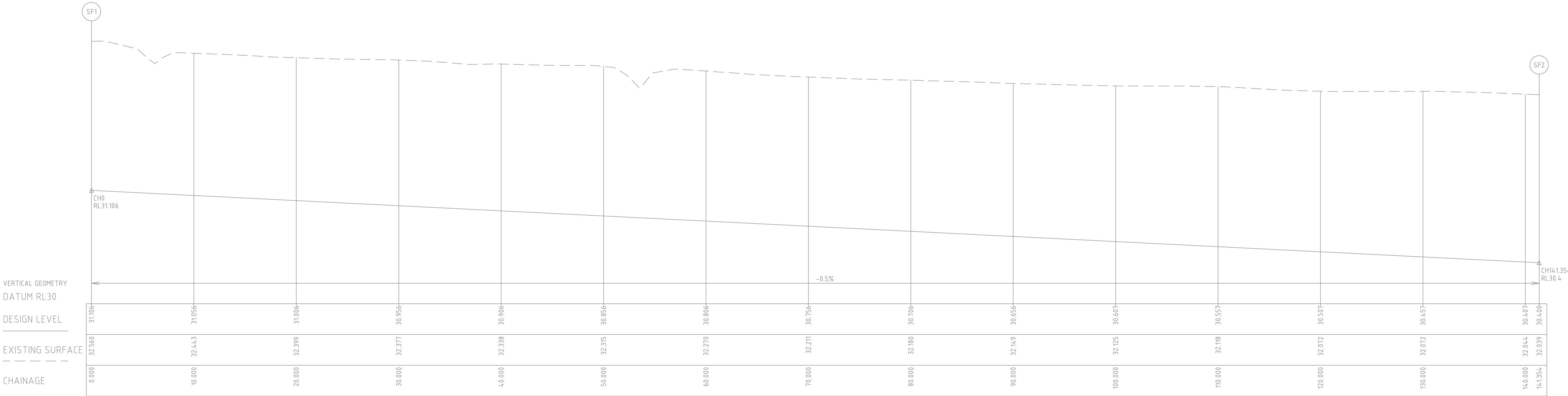


OUTLET SWALE SG

ALIGNMENT SG

Point no	Easting	Northing	RL
SG1	372354.205	5785110.071	33.183
SG2	372353.992	5785108.370	33.164
SG3	372348.234	5785104.054	33.073
SG4	372318.498	5785108.723	32.735

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
SG2 - SG3	92.048	5.000	8.033	1.528	1.130	1.955	1.644	2.008	33.119

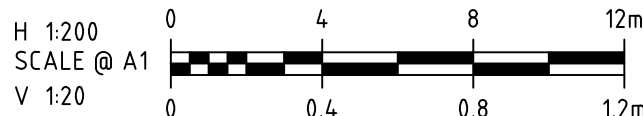


OUTLET SWALE SF

ALIGNMENT SF

Point no	Easting	Northing	RL
SF1	372103.494	5785198.296	31.106
SF2	371963.757	5785219.617	30.400

C	09.05.25	MA		DRAINAGE OUTFALL LONG SECTIONS AND SETOUT SHOWN AS EXISTING
B	05.05.25	AT	MA	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	AM	K. LORRIMAR INITIAL ISSUE
REV	DATE	DRN	CKD	APP
				AMENDMENT



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
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CLIENT	
APPROVED PE 0005927	DESIGNED W. SANSOM
	SCALE AS SHOWN

PROJECT	KALA ESTATE - STAGE 01
TITLE	OUTLET SWALE SETOUT (SHEET 4 OF 4)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
PP No.	T220227
DRAWING No.	3086-01-105
REVISION	C

ORIGINAL SIZE
A1

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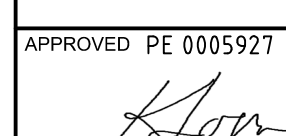
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A	16.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT

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SCALE @ A1
0 10 20 30m

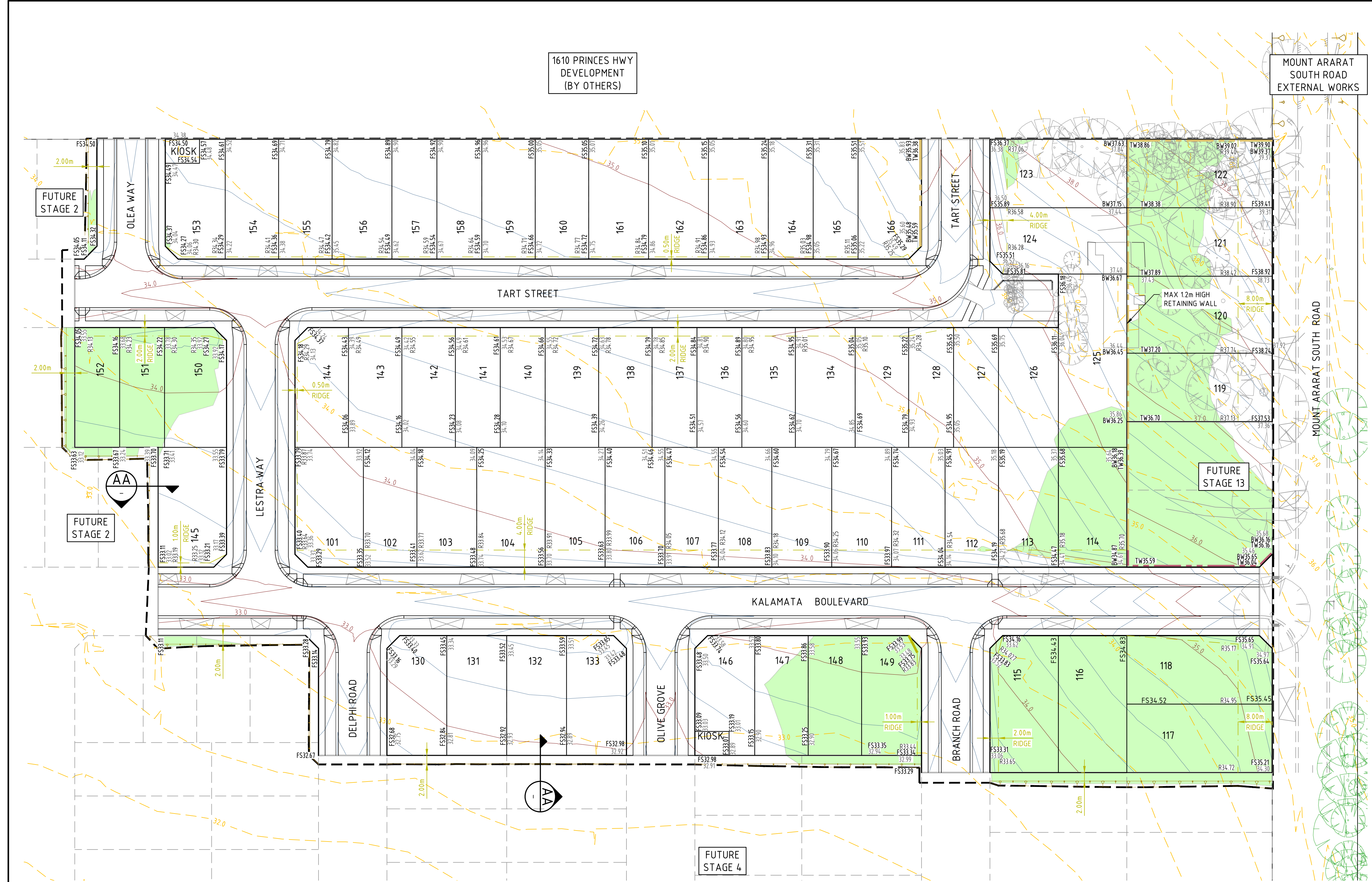
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
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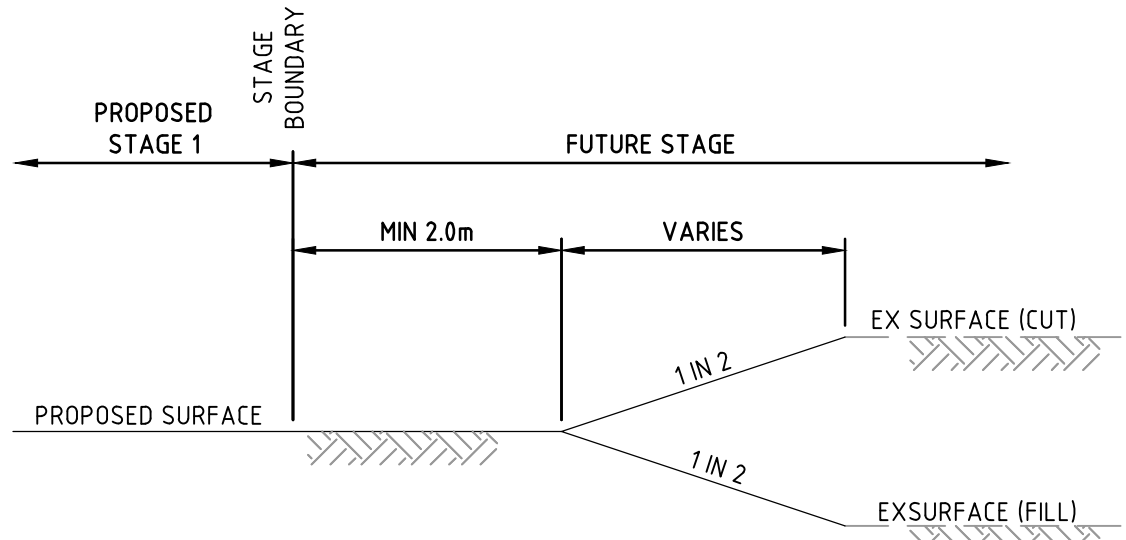
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E Melbourne.Reception@cosweb.com.au

CLIENT
SIG GROUP
APPROVED PE 0005927

DESIGNED
W. SANSOM
SCALE
1:500 @ A1

PROJECT
KALA ESTATE - STAGE 01
TITLE
EARTHWORKS PLAN
MUNICIPALITY
CARDINIA SHIRE COUNCIL
PP No.
T220227
DRAWING No.
3086-01-150
REVISION
B
ORIGINAL SIZE
A1

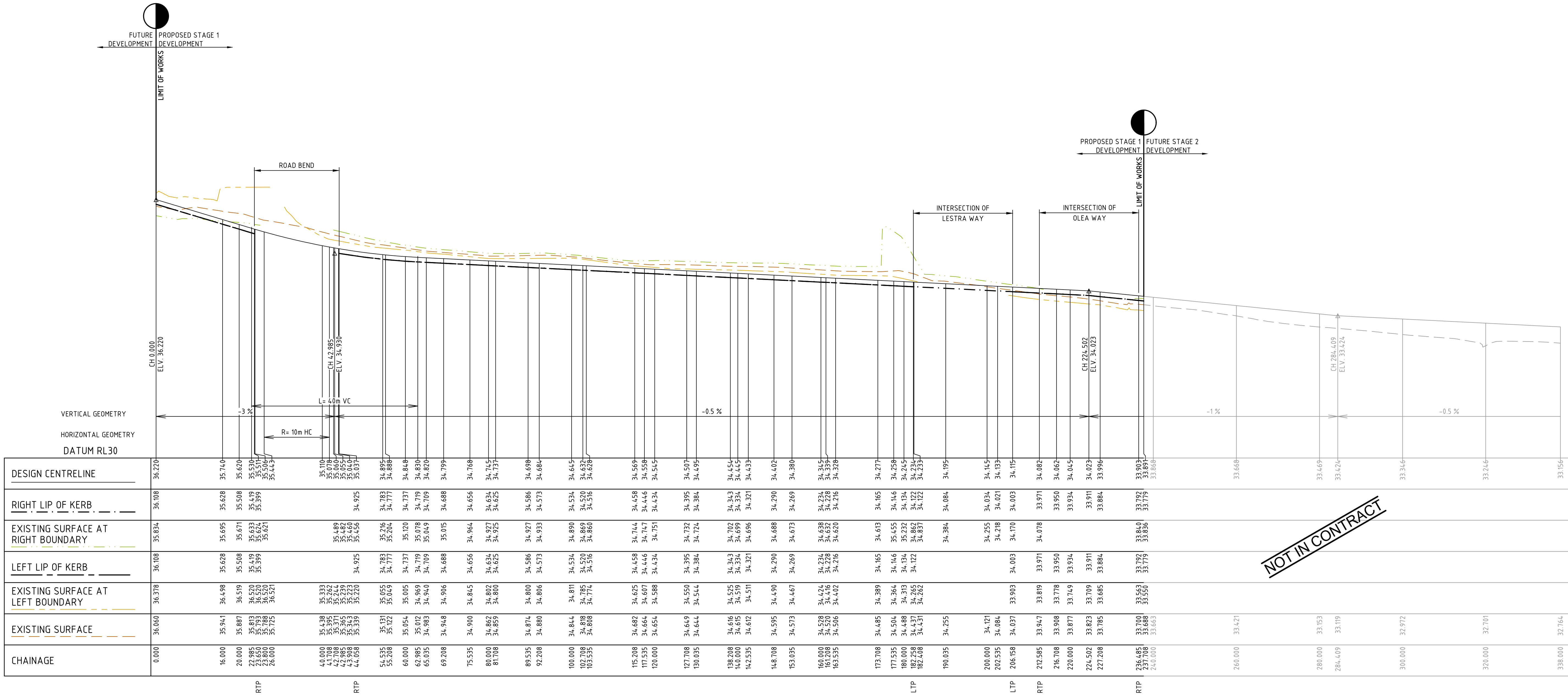


LEGEND		
DESCRIPTION	EXISTING	PROPOSED
BOUNDARY OF WORKS		---
SURFACE CONTOUR MAJOR	-52.00-	-52.00-
SURFACE CONTOUR MINOR		
FINISHED SURFACE LEVEL	4.3.21	FS44.33
RIDGE LEVEL		R43.55
TOP OF WALL LEVEL		T43.55
BOTTOM OF WALL LEVEL		B42.55
RIDGE / CHANGE OF GRADE LINE		---
FILLING GREATER THAN 300mm		
RETAINING WALL - CONCRETE SLEEPER		---
RETAINING WALL - ROCK/STONE		---
TREE TO BE RETAINED		
TREE REMOVED BY OTHERS		



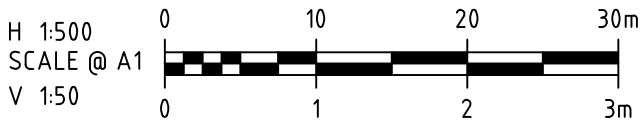
SECTION AA
N.T.S.

LEGEND	
DESCRIPTION	LINETYPE
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	---



TART STREET LONGITUDINAL SECTION

B	23.01.25	AT	<i>[Signature]</i>	<i>[Signature]</i>	ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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SIG GROUP

APPROVED PE 0005927
[Signature]

DESIGNED
W. SANSOM

SCALE
H 1:500 V 1:50 @ A1

PROJECT
KALA ESTATE - STAGE 01

TITLE
ROAD LONGITUDINAL SECTIONS
(SHEET 1 OF 3)

MUNICIPALITY
CARDINIA SHIRE COUNCIL




PP No.
T220227

DRAWING No.
3086-01-200

REVISION
B

ORIGINAL SIZE
A1



LEGEND	
DESCRIPTION	LINE TYPE
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	

H 1:500
SCALE @ A1
V 1:50

The graphic scale bar consists of two horizontal lines. The top line is labeled with 0, 10, 20, and 30m. The bottom line is labeled with 0, 1, 2, and 3m. The bar is divided into segments of alternating black and white colors, representing the scale for both horizontal and vertical dimensions.

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CLIENT



APPROVED PE 0005927

DESIGNED

SCALE
H 1:500 V 1:50 @ A1

PROJECT	KALA ESTATE - STAGE 01
---------	------------------------

TITLE	ROAD LONGITUDINAL SECTIONS
-------	----------------------------

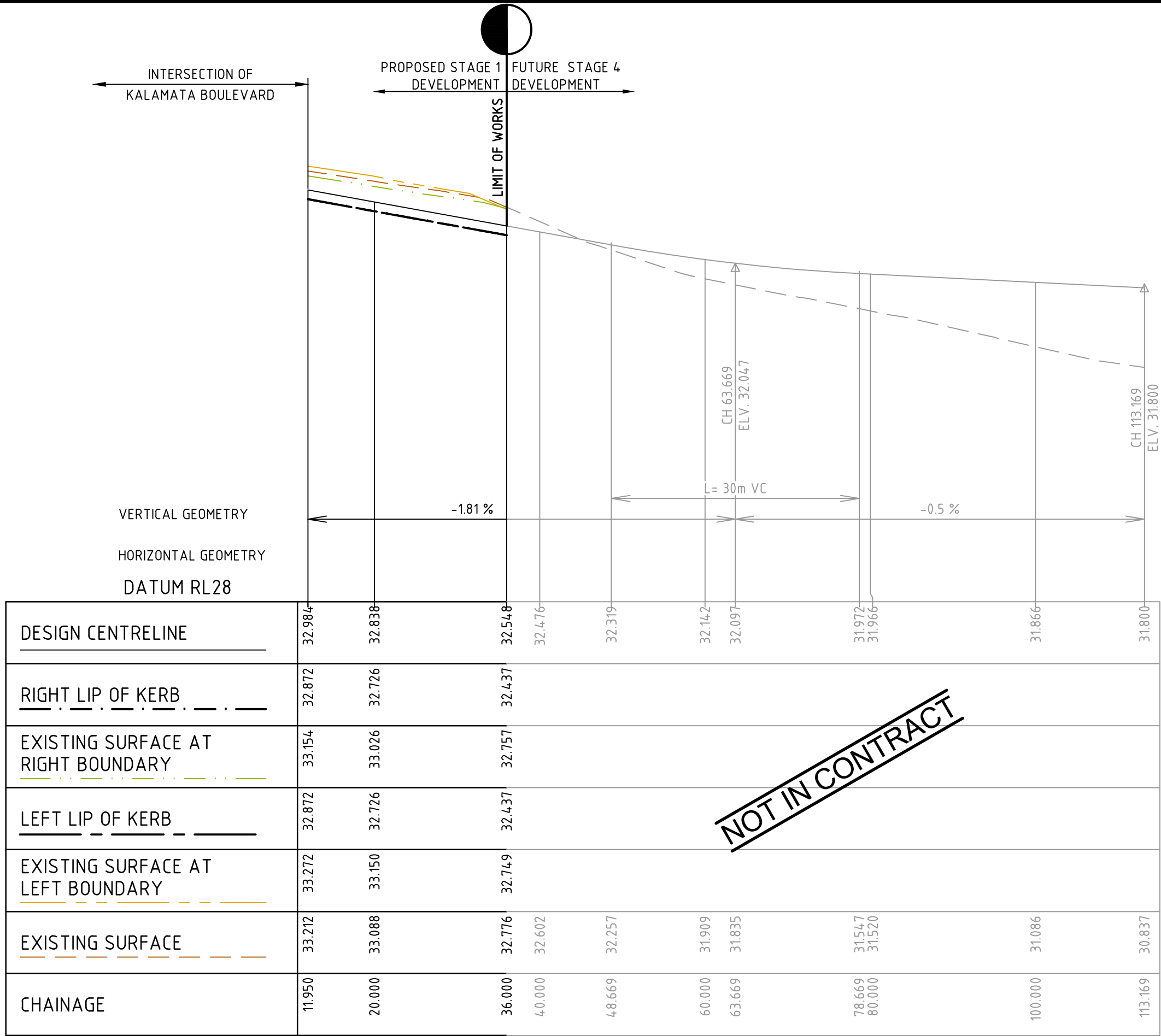
(SHEET 2 OF 3)
MUNICIPALITY CARDINIA SHIRE COUNCIL

PP No.	T220227
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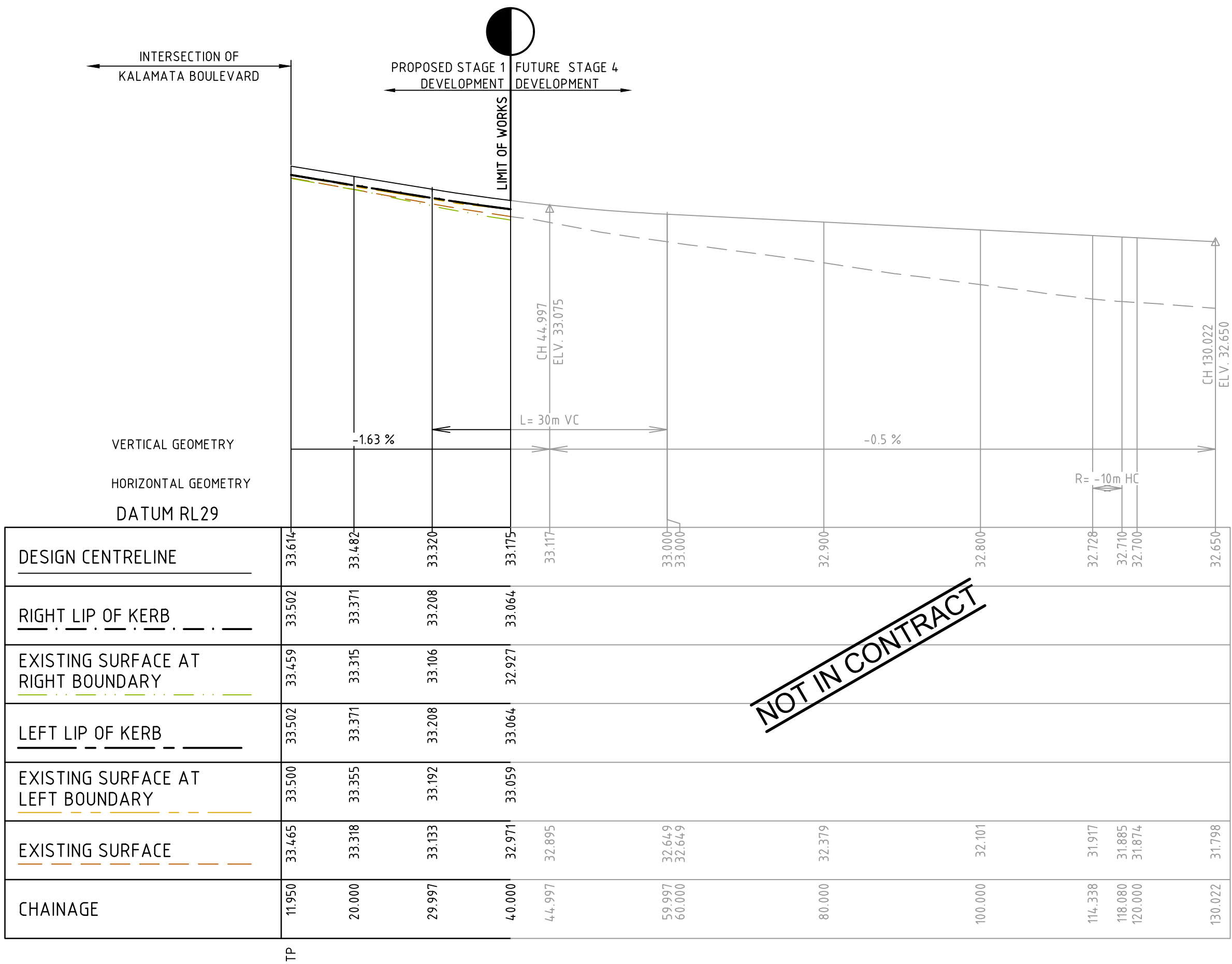
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REVISION
B

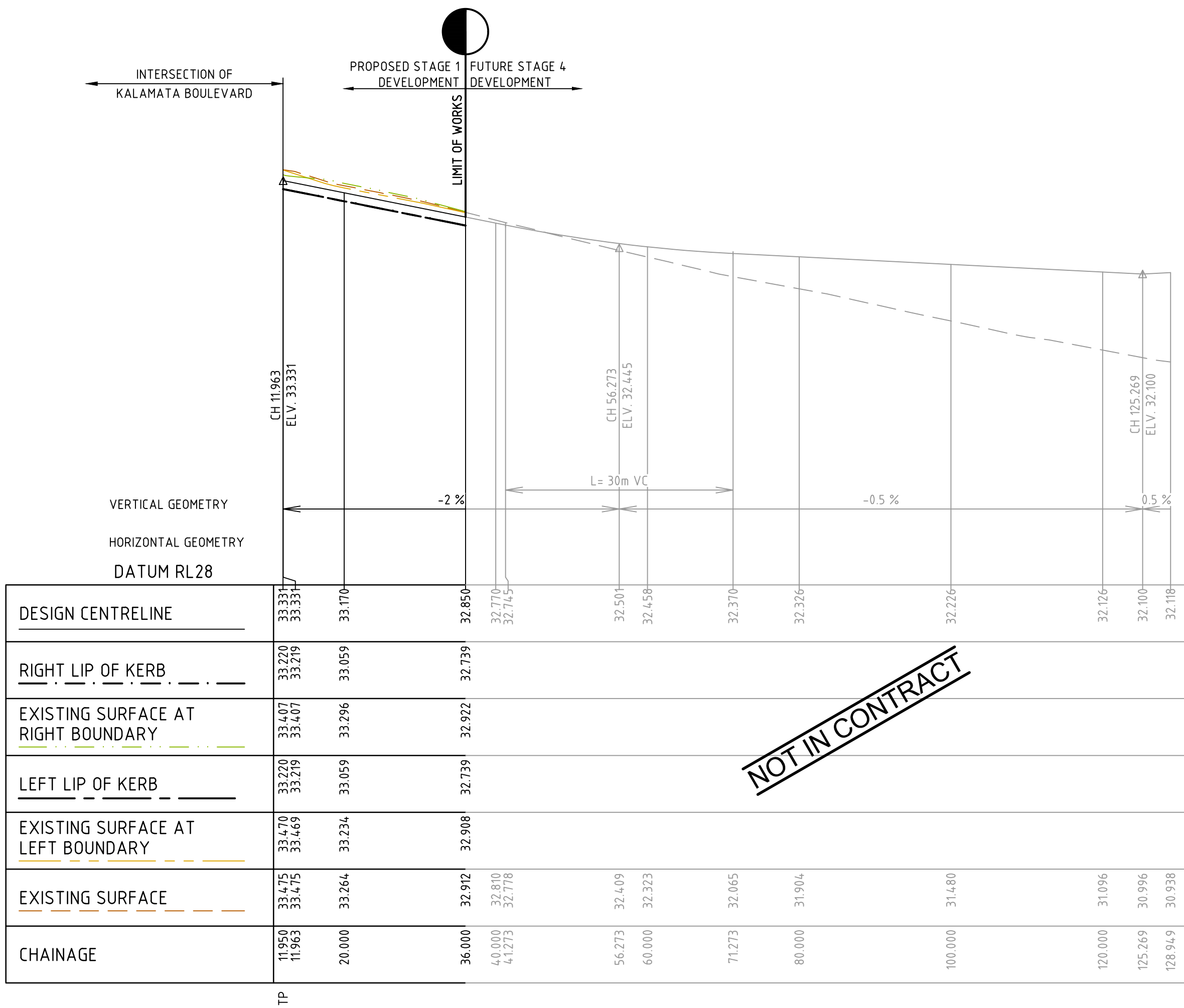
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EXISTING SURFACE	---
DESIGN LINE	—
FUTURE DESIGN LINE	- - -
EXISTING SURFACE AT RIGHT BOUNDARY	---
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EXISTING SURFACE AT LEFT BOUNDARY	---
LEFT LIP OF KERB	---



DELPHI ROAD LONGITUDINAL SECTION

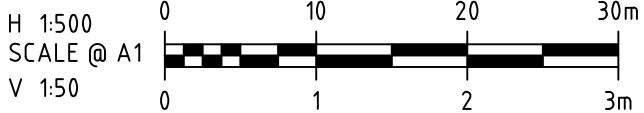


BRANCH ROAD LONGITUDINAL SECTION



OLIVE GROVE LONGITUDINAL SECTION

B	23.01.25	AT	<i>[Signature]</i>	<i>[Signature]</i>	ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
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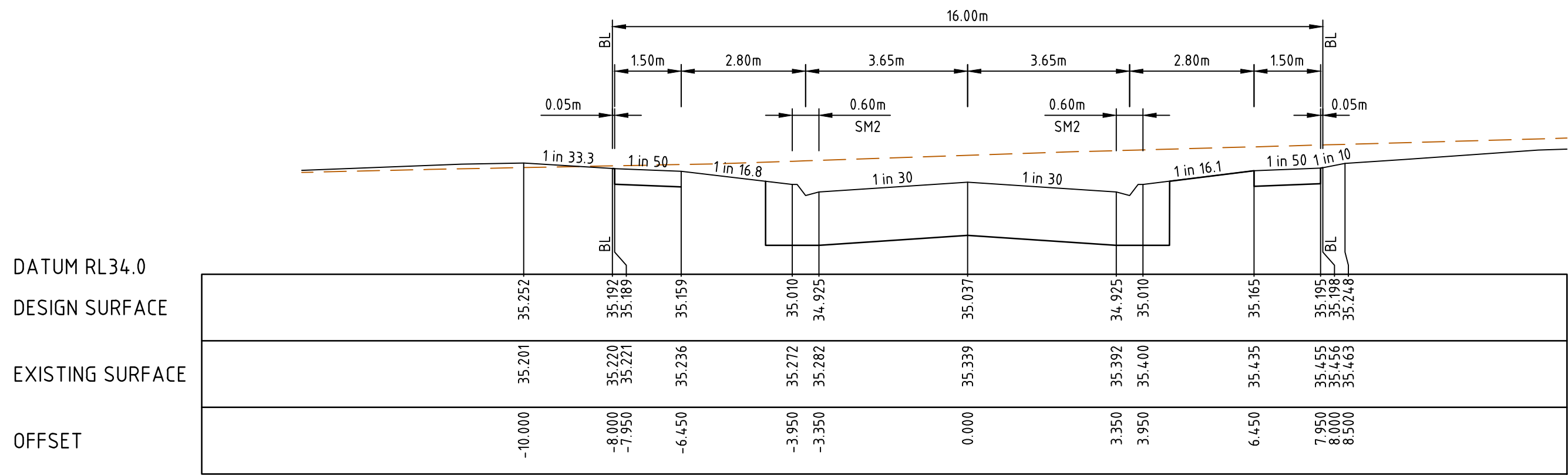
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CLIENT	
SIG GROUP	
APPROVED PE 0005927 <i>[Signature]</i>	DESIGNED W. SANSOM
SCALE H 1:500 V 1:50 @ A1	PP No. T220227

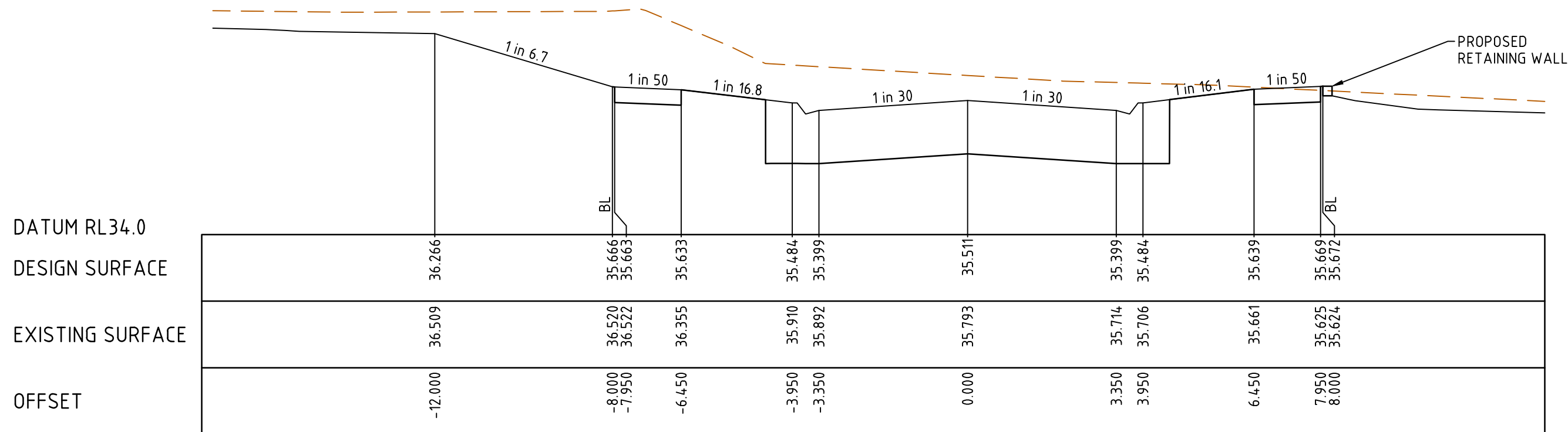
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KALA ESTATE - STAGE 01	
TITLE	
ROAD LONGITUDINAL SECTIONS (SHEET 3 OF 3)	
MUNICIPALITY	
CARDINIA SHIRE COUNCIL	
DRAWING No. 3086-01-202	REVISION B

ORIGINAL SIZE
A1

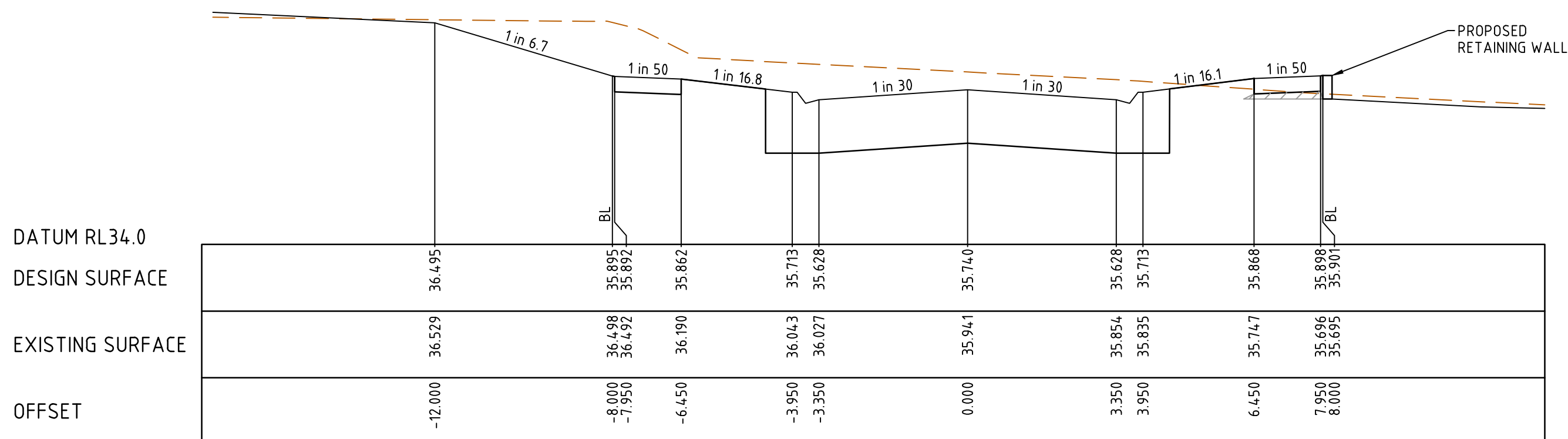
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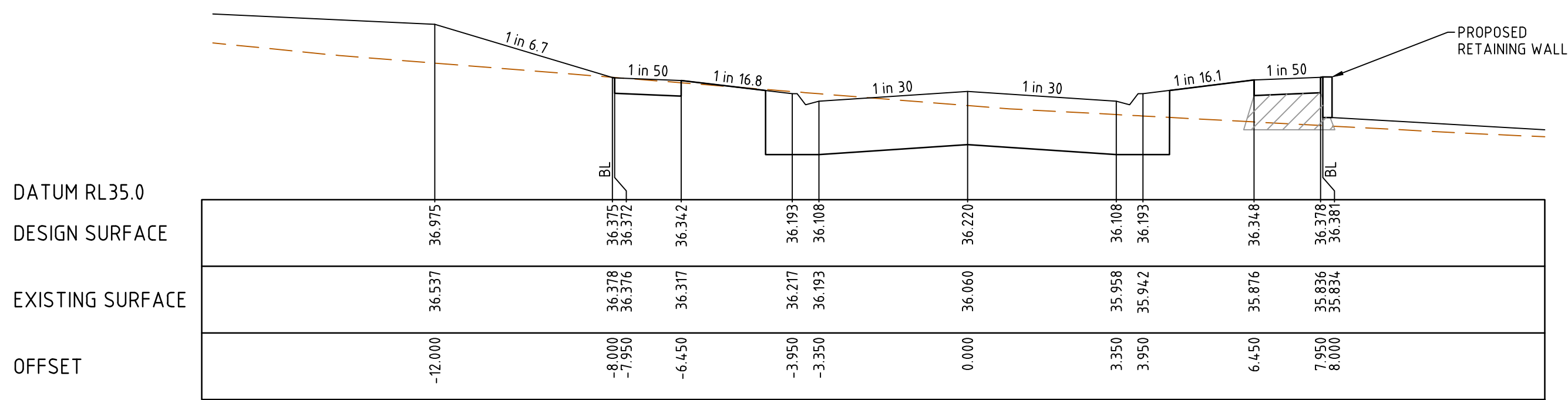
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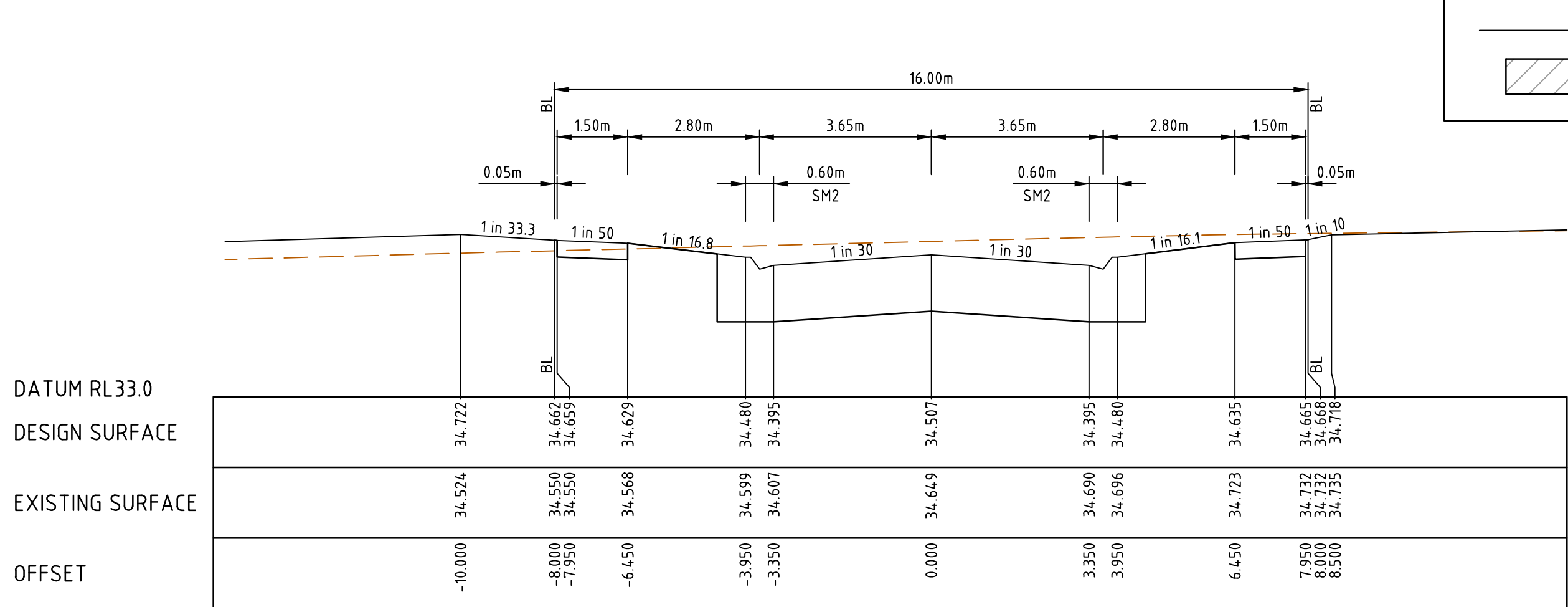
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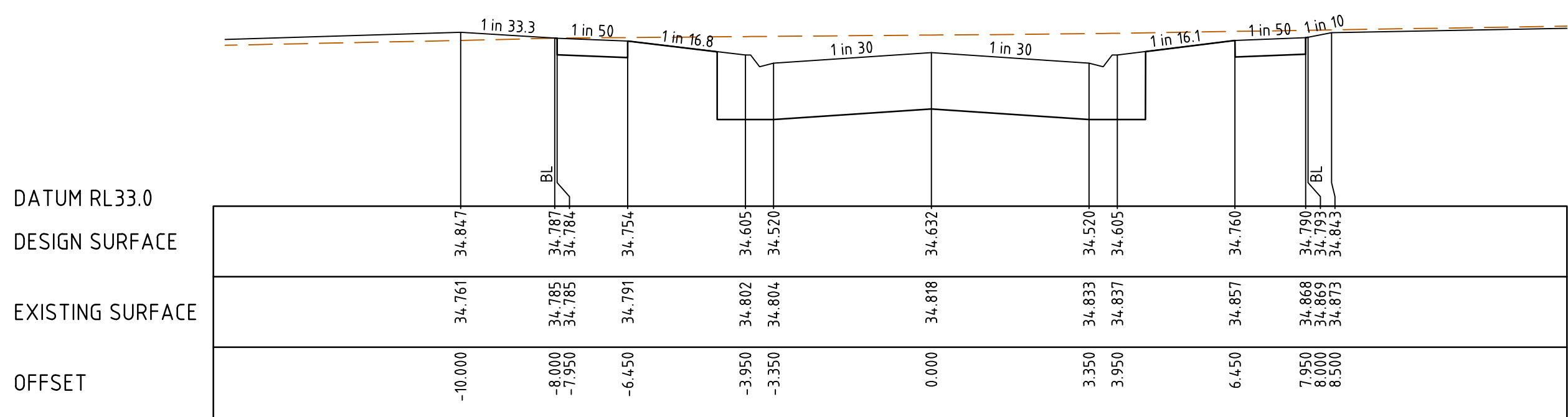
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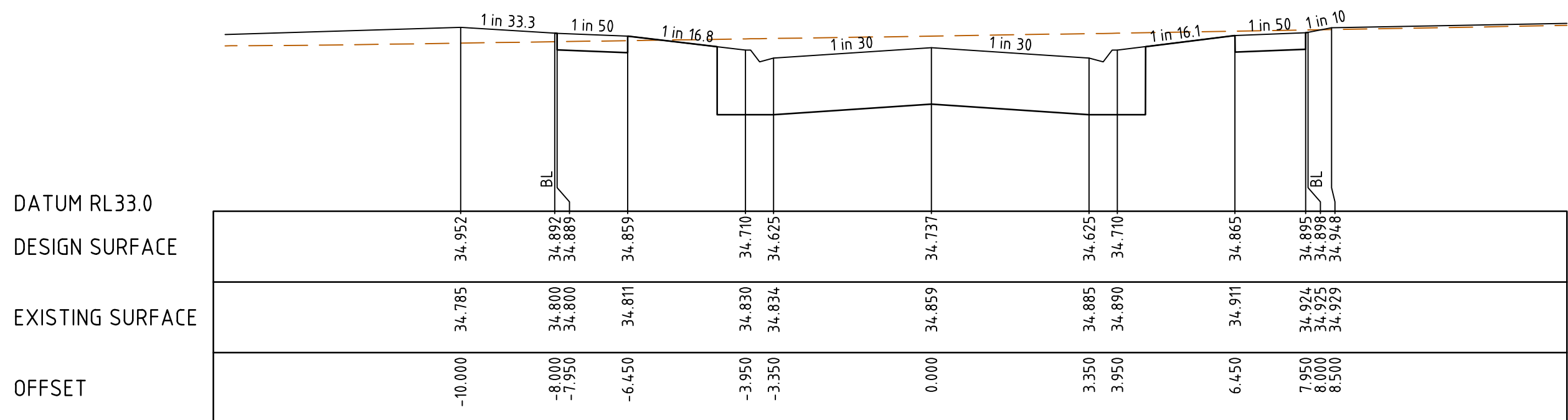
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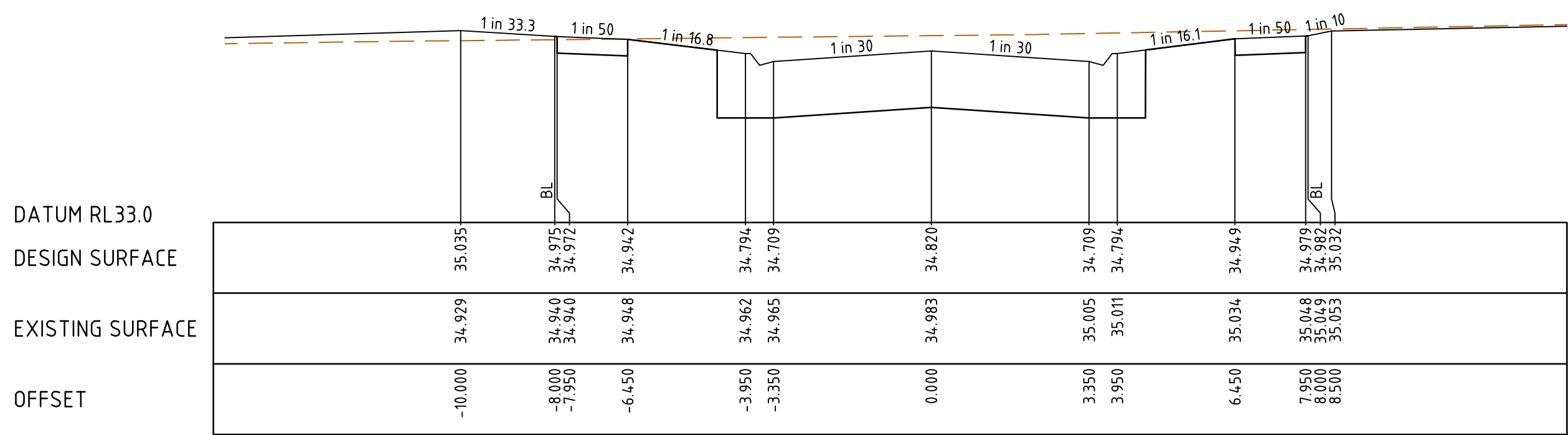
CH 127.708



CH 102.708



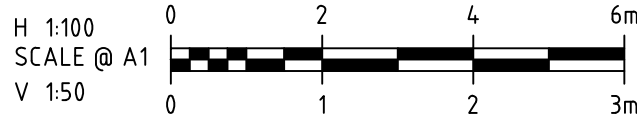
CH 81.708



CH 65.035

TART STREET - ROAD CROSS SECTIONS

B	23.01.25	AT	<i>[Signature]</i>	<i>[Signature]</i>	ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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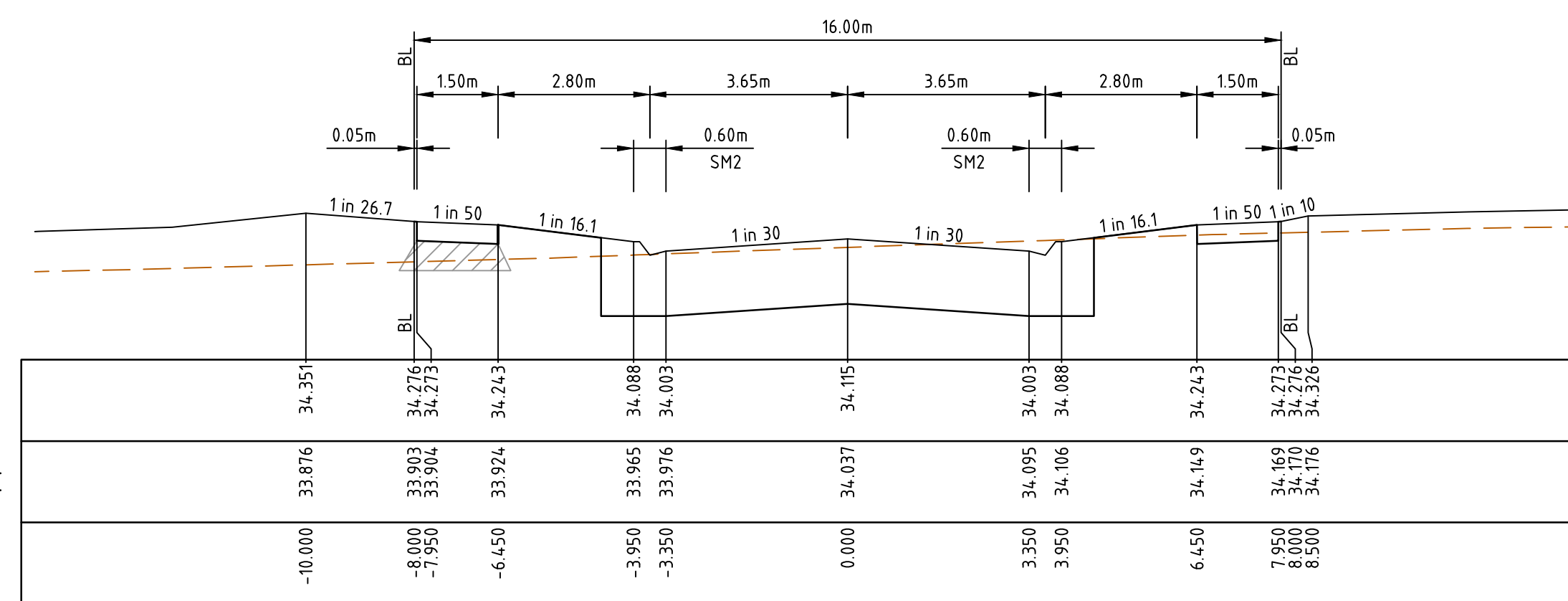
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CONSULTING ENGINEERS

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E Melbourne.Reception@cosweb.com.au

CLIENT	DESIGNED
APPROVED PE 0005927	W. SANSOM
SCALE	H 1:100 V 1:50 @ A1

PROJECT	KALA ESTATE - STAGE 01
TITLE	ROAD CROSS SECTIONS (SHEET 1 OF 6)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
PP No.	T220227
DRAWING No.	3086-01-250
REVISION	B

ORIGINAL
SIZE
A1

[illegible]

	34,492 34,432 34,429 34,389 34,406 34,250 34,465 34,277 34,465 34,250 34,405 34,438 34,488	-10,000 -8,000 -7,950 -6,450 -3,950 -3,950 0,000 3,350 3,350 6,450 7,050 8,000 8,500
--	--	--

-10.000	34.465	34.617	1 in 33.3
-8.000	34.490	34.557	1 in 50
-7.950	34.490	34.554	BL
-6.450	34.508	34.524	1 in 16.8
-3.950	34.541	34.375	1 in 30
-3.350	34.549	34.290	1 in 30
0.000	34.595	34.402	1 in 16.1
3.350	34.640	34.290	1 in 50
3.950	34.649	34.375	1 in 40
6.450	34.675	34.530	BL
7.950	34.688	34.569	
8.000	34.688	34.569	
8.500	34.692	34.613	

The longitudinal section shows the road profile with various grades and vertical curve segments. The elevations are in meters above sea level (RL). The offsets are in meters from the centerline.

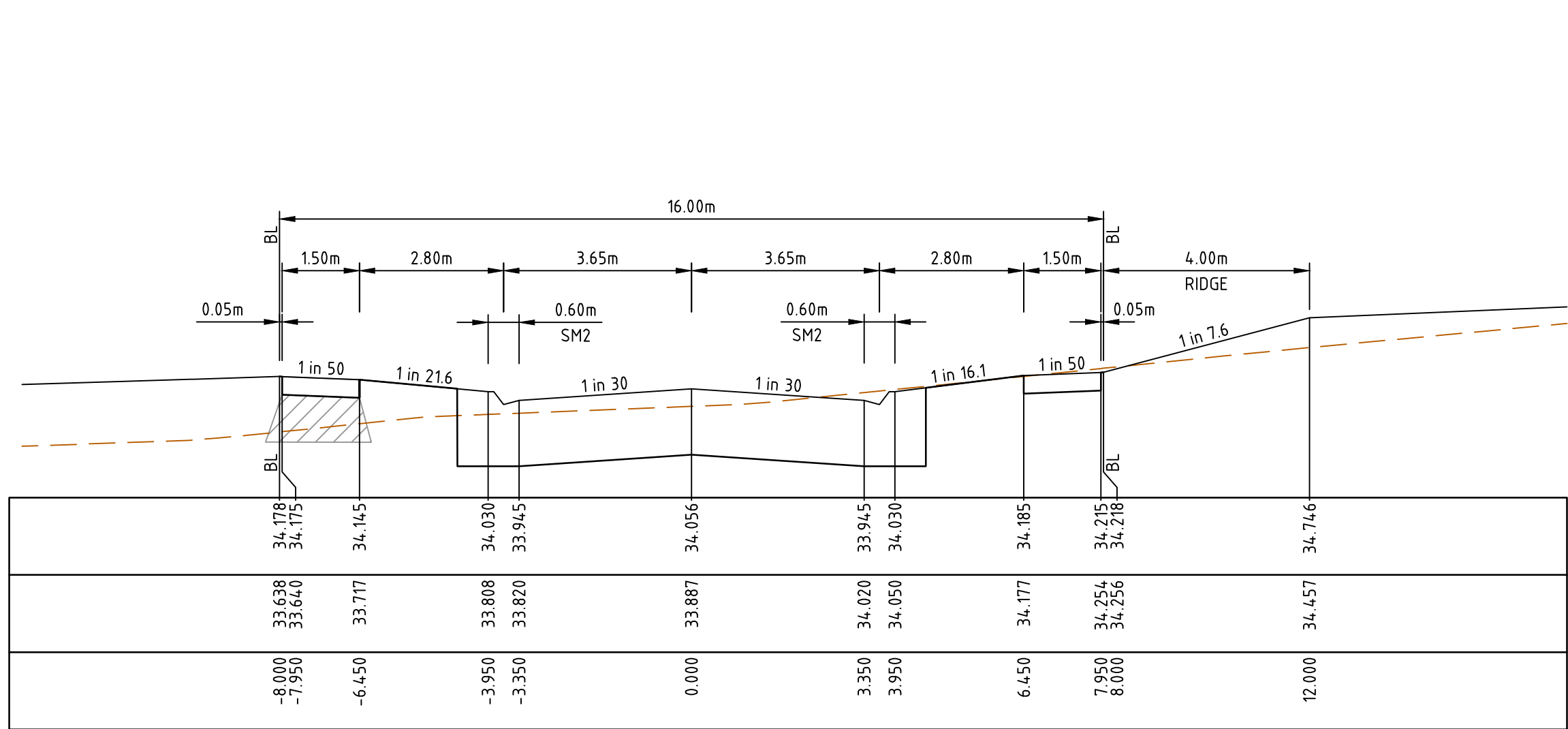
Stationing / Description	Offset (m)	Existing Surface (m)	Design Surface (m)
Start of Profile	-10.000	33.518	34.127
Point 1	-8.000	33.550	34.452
Point 2	-7.950	33.551	34.449
Point 3	-6.450	33.575	34.019
Point 4	-3.950	33.615	33.864
Point 5	-3.350	33.624	33.779
Point 6	0.000	33.688	33.891
Point 7	3.350	33.754	33.779
Point 8	3.950	33.766	33.864
Point 9	6.450	33.814	34.019
Point 10	7.950	33.836	34.449
Point 11	8.000	33.836	34.452
Point 12	9.000	33.844	34.127

	Station 1+00	Station 1+10	Station 1+20	Station 1+30	Station 1+40	Station 1+50	Station 1+60	Station 1+70	Station 1+80	Station 1+90	Station 2+00
DATUM RL33.0											
DESIGN SURFACE	34.140	34.062	34.032	33.877	33.792	33.903	33.792	33.877	34.032	34.062	34.140
EXISTING SURFACE	33.527	33.563	33.587	33.627	33.637	33.700	33.765	33.777	33.876	33.839	33.855
OFFSET	-10.000	-8.000	-6.450	-3.950	-3.350	0.000	3.350	3.950	6.450	7.950	9.000

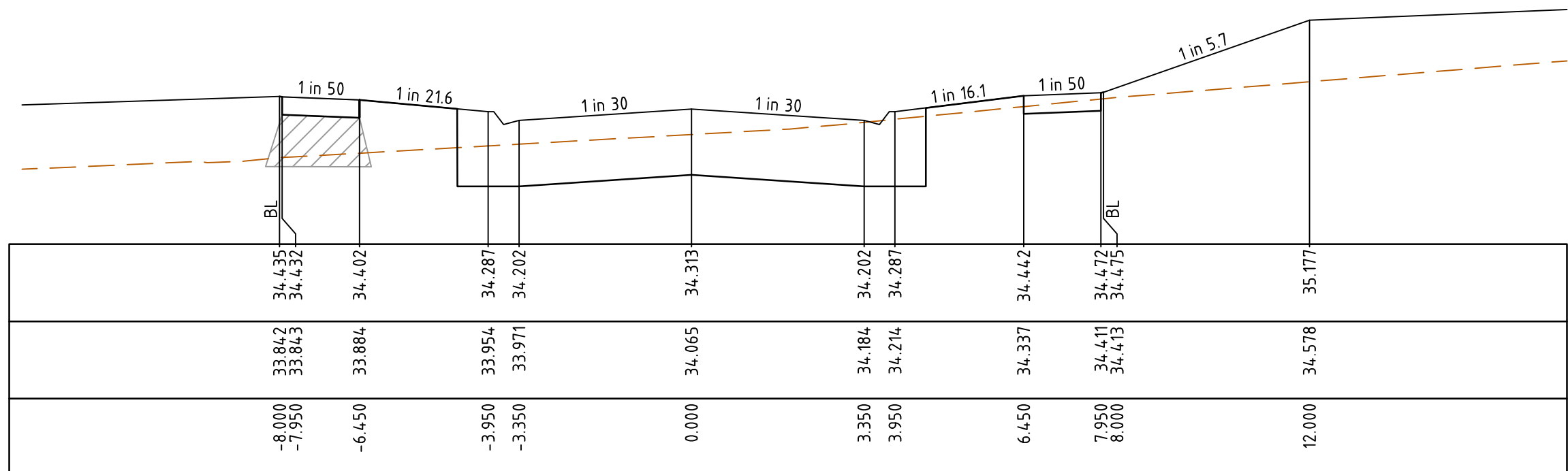
Profile view of the proposed road showing elevations and offsets. The profile includes a dashed line for the datum (RL 33.0), a solid line for the design surface, and a solid line for the existing surface. The design surface is shown with various grades: 1 in 26.7, 1 in 50, 1 in 16.1, 1 in 30, 1 in 30, 1 in 16.1, 1 in 50, and 1 in 10. The existing surface is shown with a hatched area indicating a cut. The offsets are shown below the profile, with values ranging from -10.000 to 8.500.

Offset	Existing Surface	Design Surface	Datum RL 33.0
-10.000	33.797	34.319	
-8.000	33.819	34.241	
-7.950	33.819	34.241	
-6.450	33.836	34.211	
-3.950	33.875	34.056	
-3.350	33.886	33.971	
0.000	33.947	34.082	
3.350	34.008	33.971	
3.950	34.019	34.056	
6.450	34.065	34.211	
7.950	34.077	34.241	
8.000	34.078	34.241	
8.500	34.081	34.294	

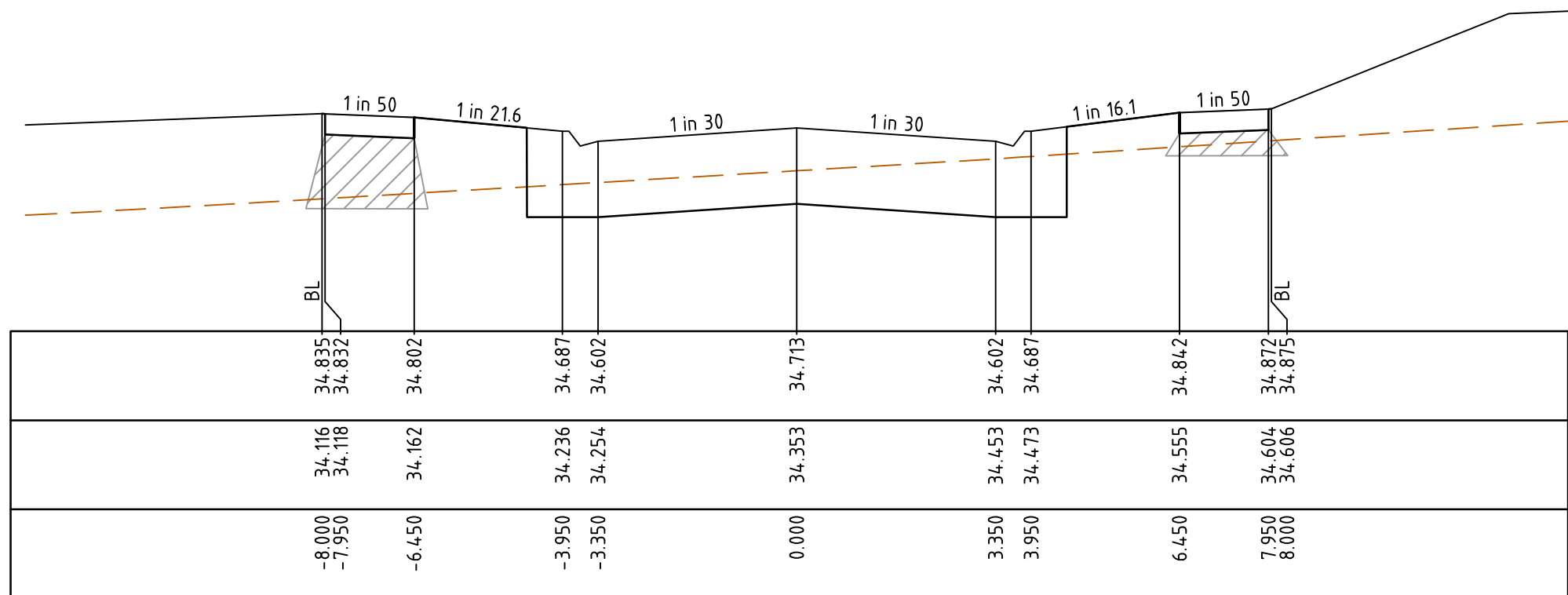
ORIGINAL
SIZE
A1



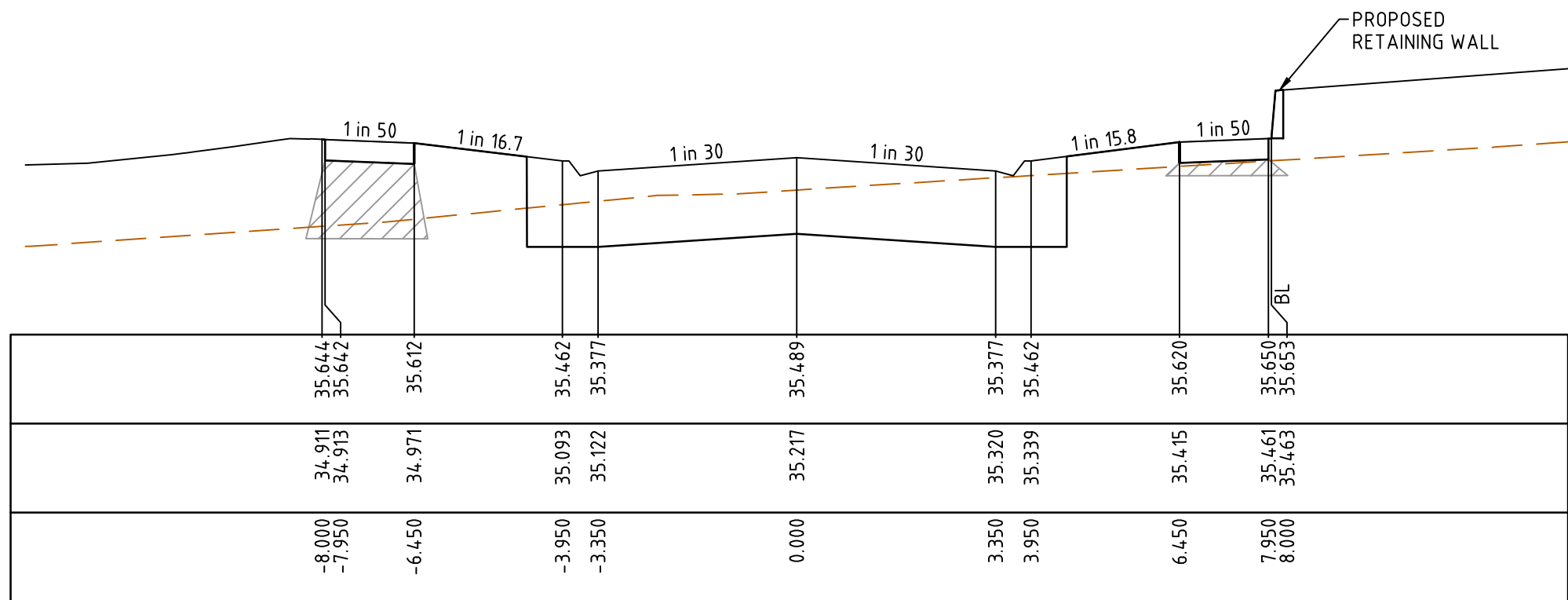
LTPCH 71.515



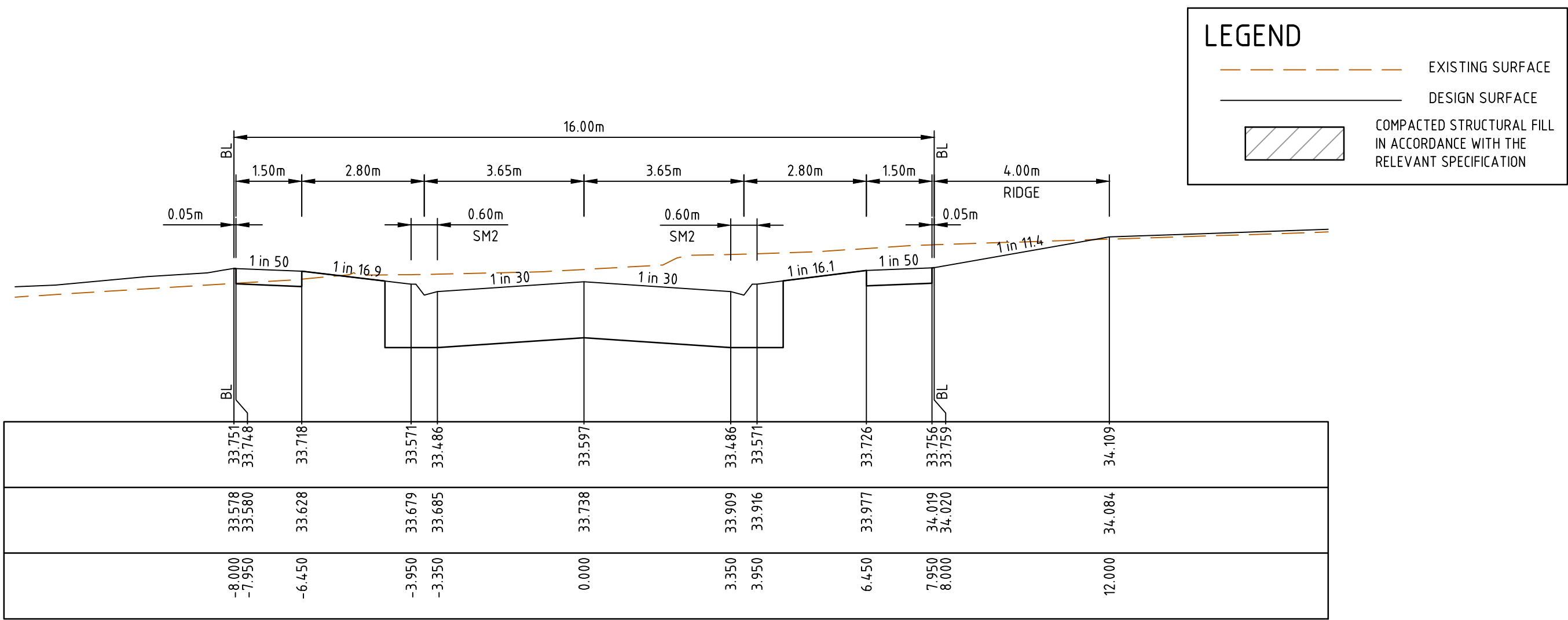
CH 59.465



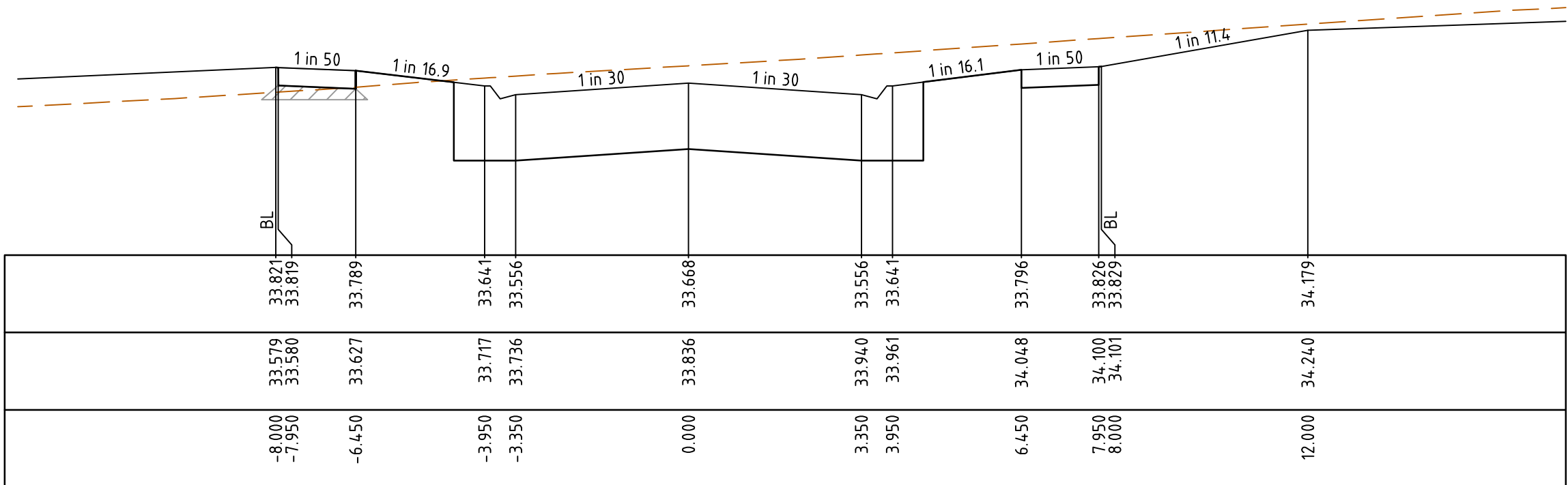
CH 43.465



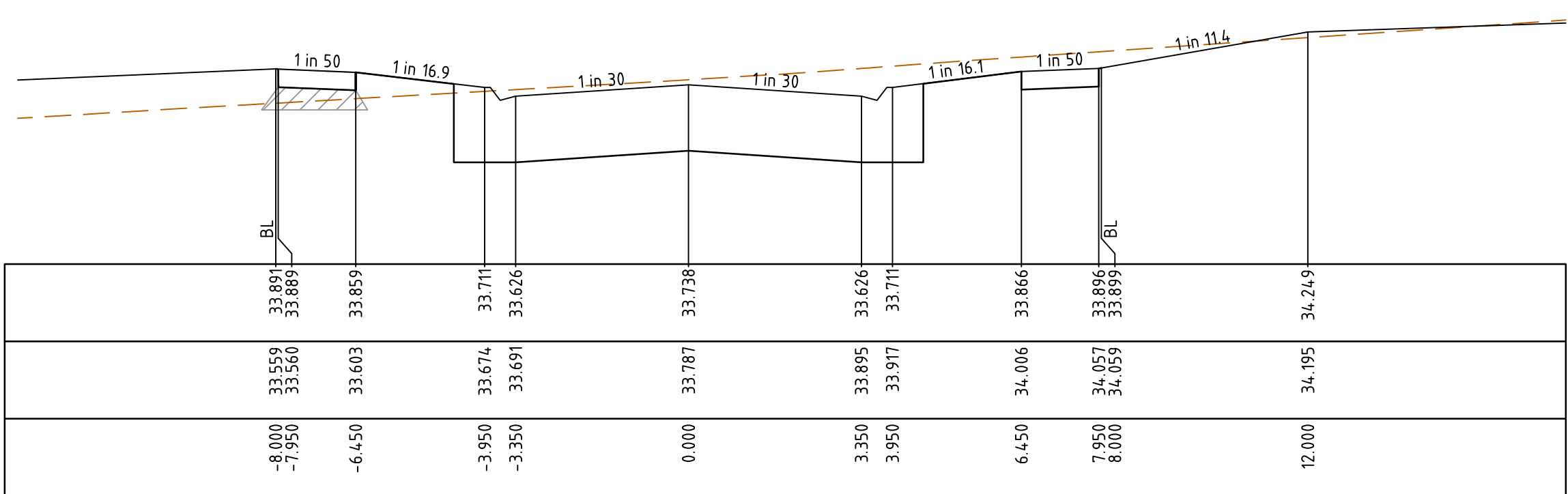
TPCB 12.451



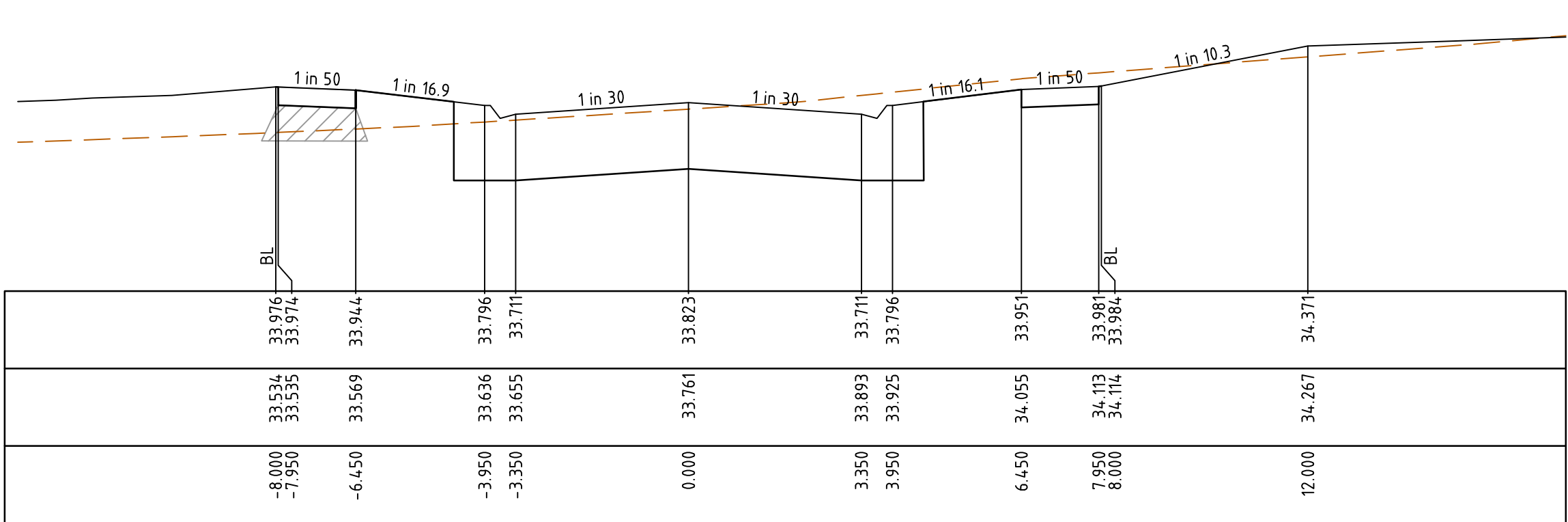
LTPCH 140.515



CH 126.465



CH 112.465

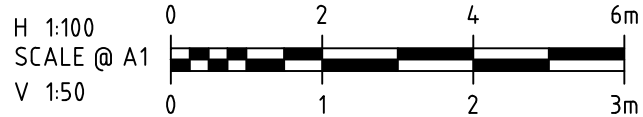


LTPCH 95.415

KALAMATA BOULEVARD - ROAD CROSS SECTIONS

C:\Users\alex\Documents\3086-01-250\Drawings\3086-01-250-RXS.dwg 1/20/2025 3:55 PM ALEX TROMBETTA

B	23.01.25	AT			ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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CLIENT			
APPROVED PE 0005927		DESIGNED W. SANSOM	
		SCALE H 1:100 V 1:50 @ A1	

PROJECT		KALA ESTATE - STAGE 01	
TITLE		ROAD CROSS SECTIONS (SHEET 3 OF 6)	
MUNICIPALITY		CARDINIA SHIRE COUNCIL	
PP No.		T220227	DRAWING No.
		3086-01-252	REVISION B

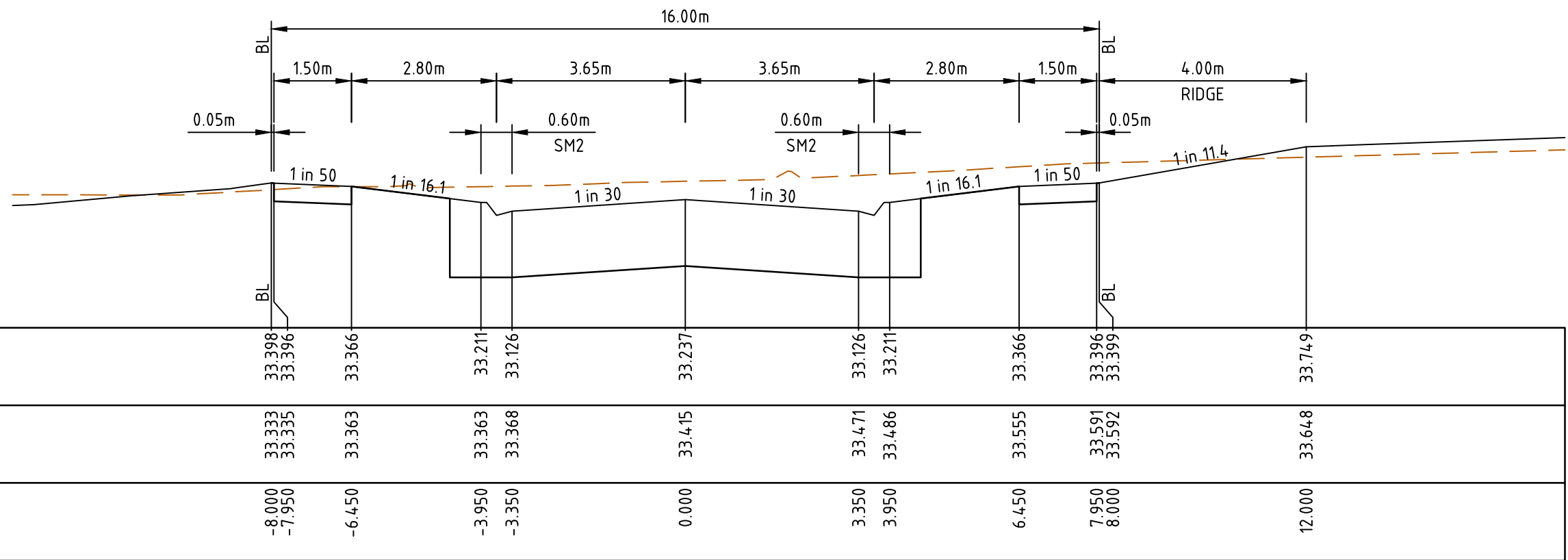
A1
ORIGINAL SIZE

LEGEND

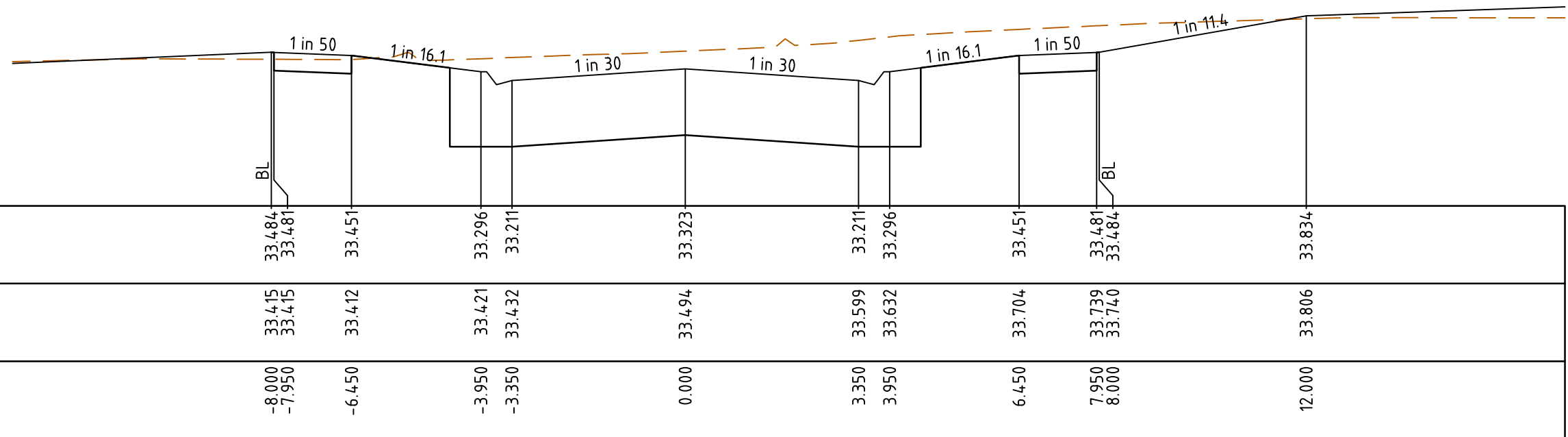
EXISTING SURFACE

DESIGN SURFACE

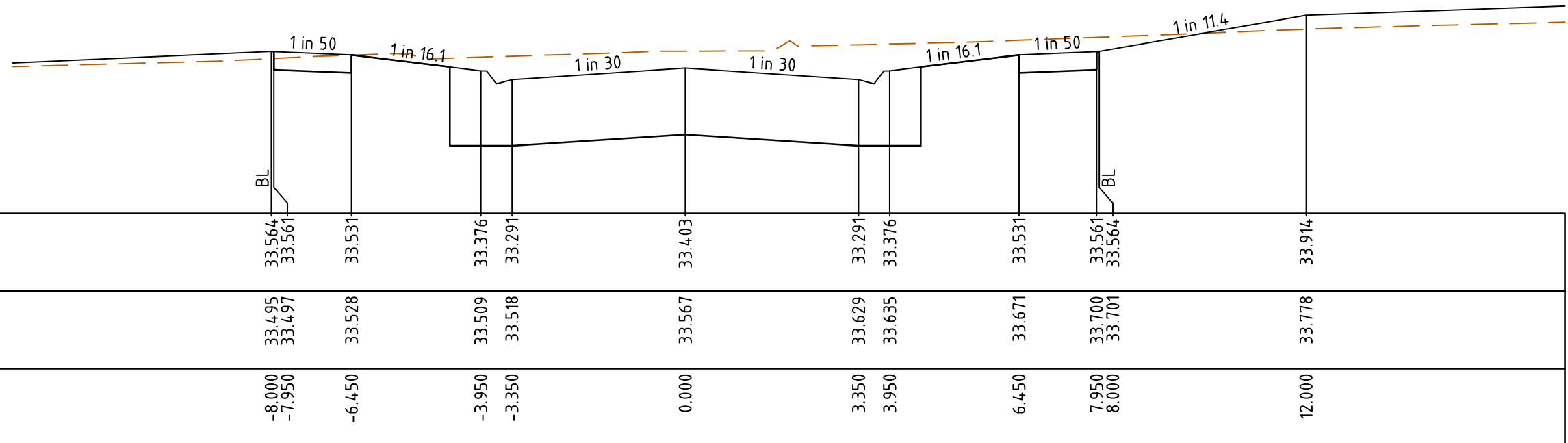
COMPACTED STRUCTURAL FILL
IN ACCORDANCE WITH THE
RELEVANT SPECIFICATION



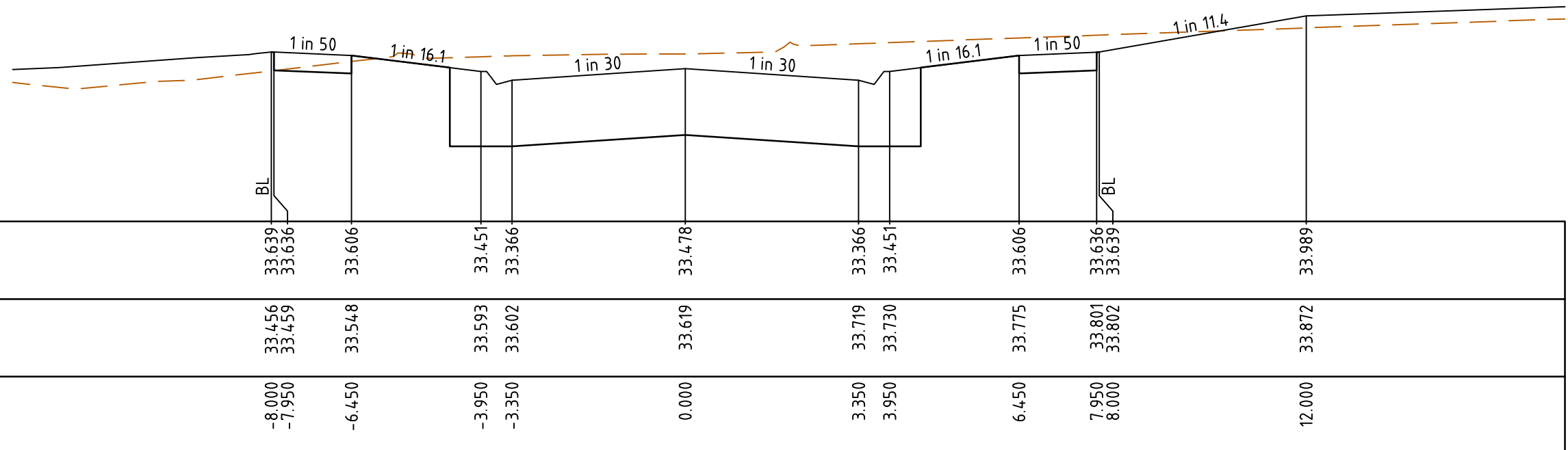
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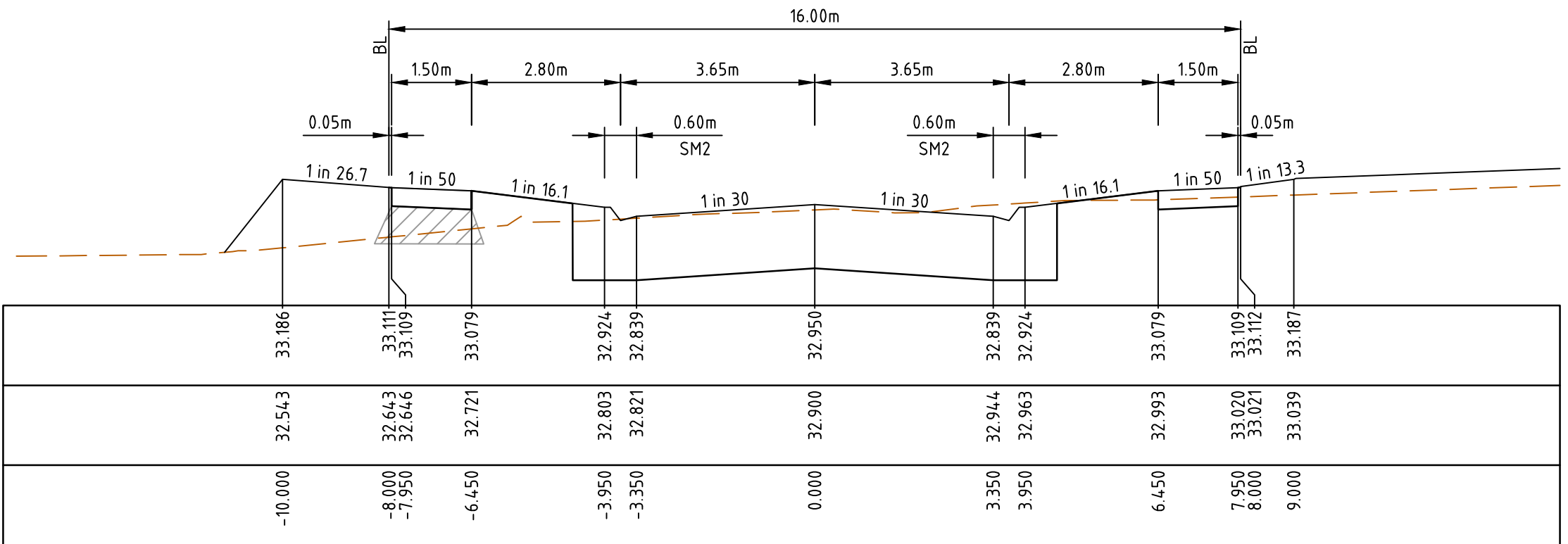
CH 195.465



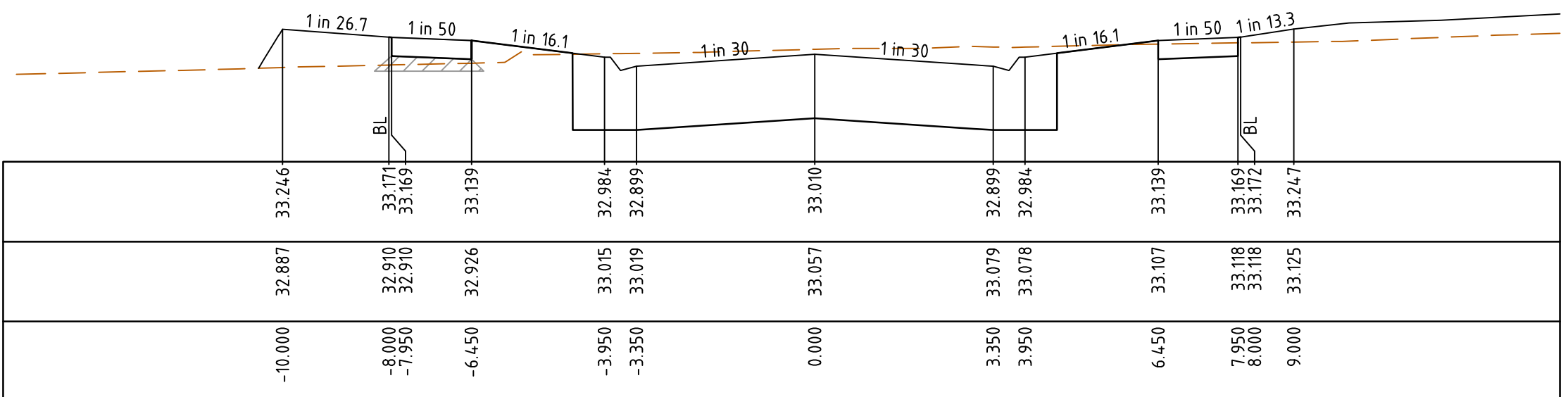
CH 179.465



LTPCH 164.415



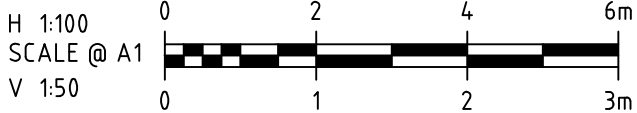
LOW 269.965



RTPCH 257.915

KALAMATA BOULEVARD - ROAD CROSS SECTIONS

B	23.01.25	AT			ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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E Melbourne.Reception@cosweb.com.au

CLIENT

APPROVED PE 0005927

DESIGNED
W. SANSOM
SCALE
H 1:100 V 1:50 @ A1

PROJECT
KALA ESTATE - STAGE 01

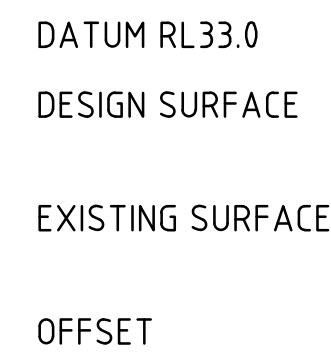
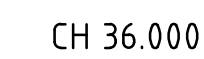
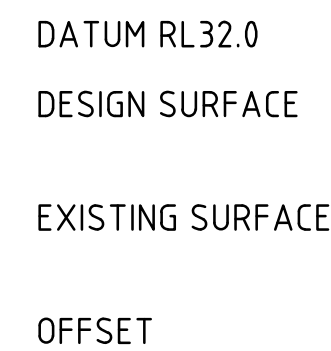
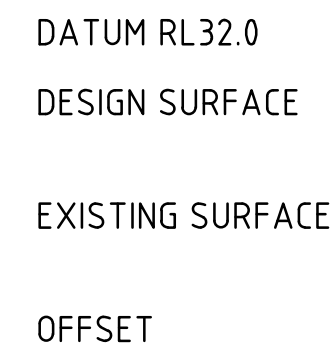
TITLE
ROAD CROSS SECTIONS
(SHEET 4 OF 6)
CARDINIA SHIRE COUNCIL

MUNICIPALITY
T220227

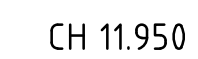
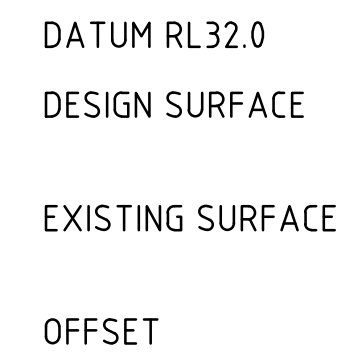
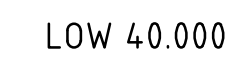
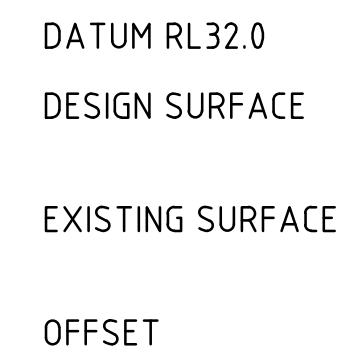
DRAWING No.
3086-01-253

REVISION
B

ORIGINAL SIZE
A1

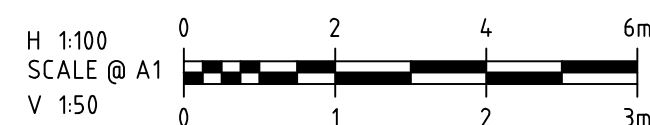


LESTRA WAY - ROAD CROSS SECTIONS



BRANCH ROAD - ROAD CROSS SECTIONS

B	23.01.25	AT	<i>Amber</i>	<i>Alan</i>	ISSUED FOR COUNCIL SUBMISSION
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REV	DATE	DRN	CKD	APP	AMENDMENT



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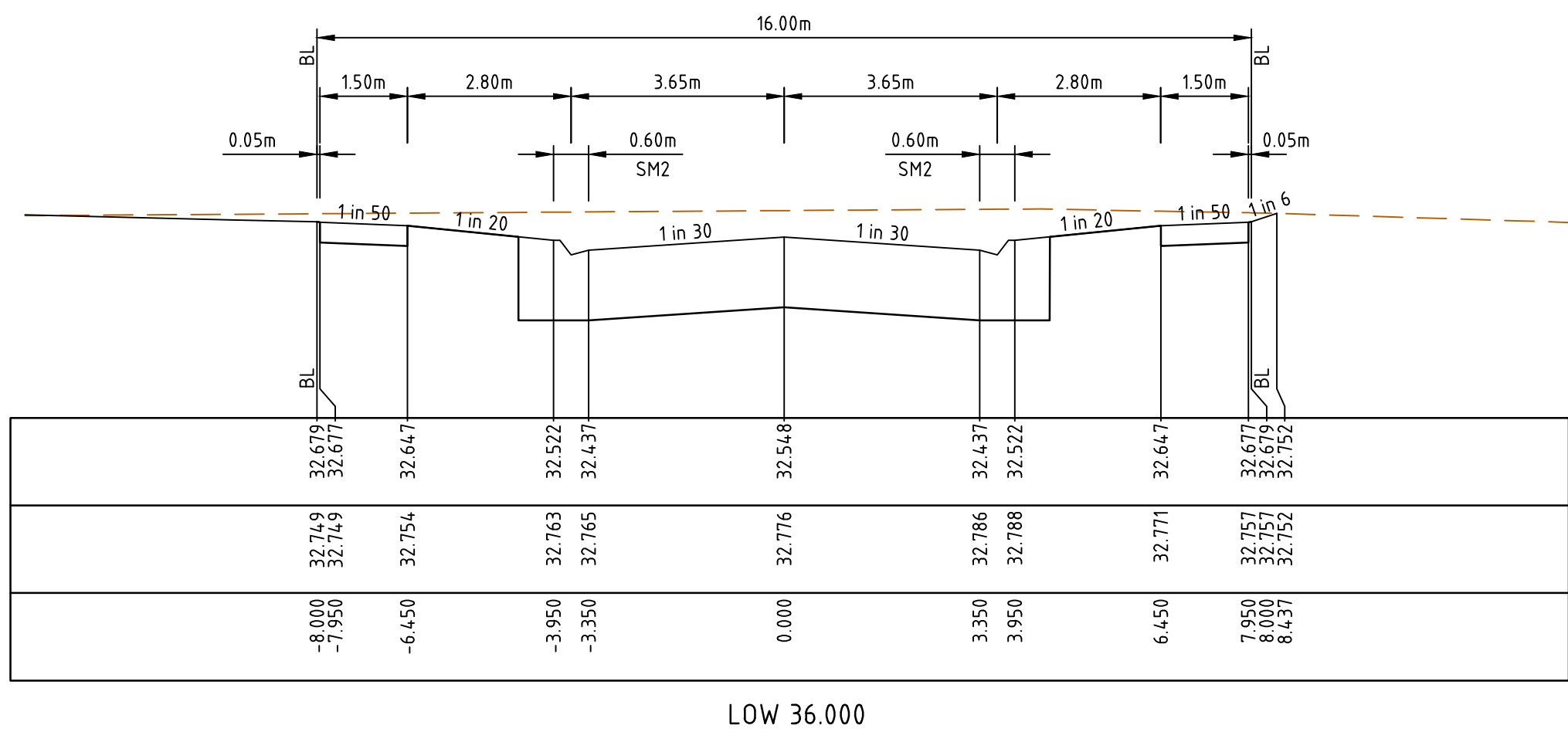
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E Melbourne.Reception@cossillwebley.com.au

CLIENT			
APPROVED PE 0005927 		DESIGNED W. SANSOM SCALE 1/4" = 1'-0"	

PROJECT	KALA ESTATE - STAGE 01		
TITLE	ROAD CROSS SECTIONS (SHEET 5 OF 6)		
MUNICIPALITY	CARDINIA SHIRE COUNCIL		
PP No.	T220227	DRAWING No.	3086-01-254
		REVISION	

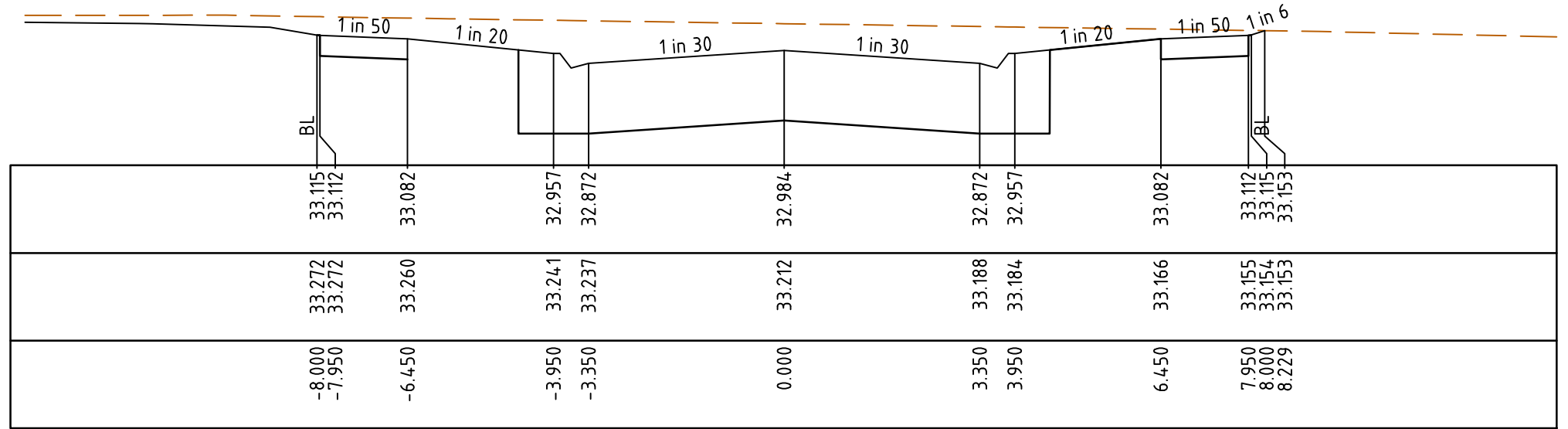
ORIGINAL SIZE	A1
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LEGEND	
	EXISTING SURFACE
	DESIGN SURFACE
	COMPACTED STRUCTURAL FILL IN ACCORDANCE WITH THE RELEVANT SPECIFICATION

DATUM RL31.0	
DESIGN SURFACE	32.679 32.677 32.647 32.522 32.437 32.548 32.437 32.522 32.647 32.677 32.679
EXISTING SURFACE	32.719 32.719 32.754 32.763 32.765 32.776 32.786 32.788 32.771 32.757 32.752
OFFSET	-8.000 -7.950 -6.450 -3.950 -3.350 0.000 3.350 3.950 6.450 7.950 8.000

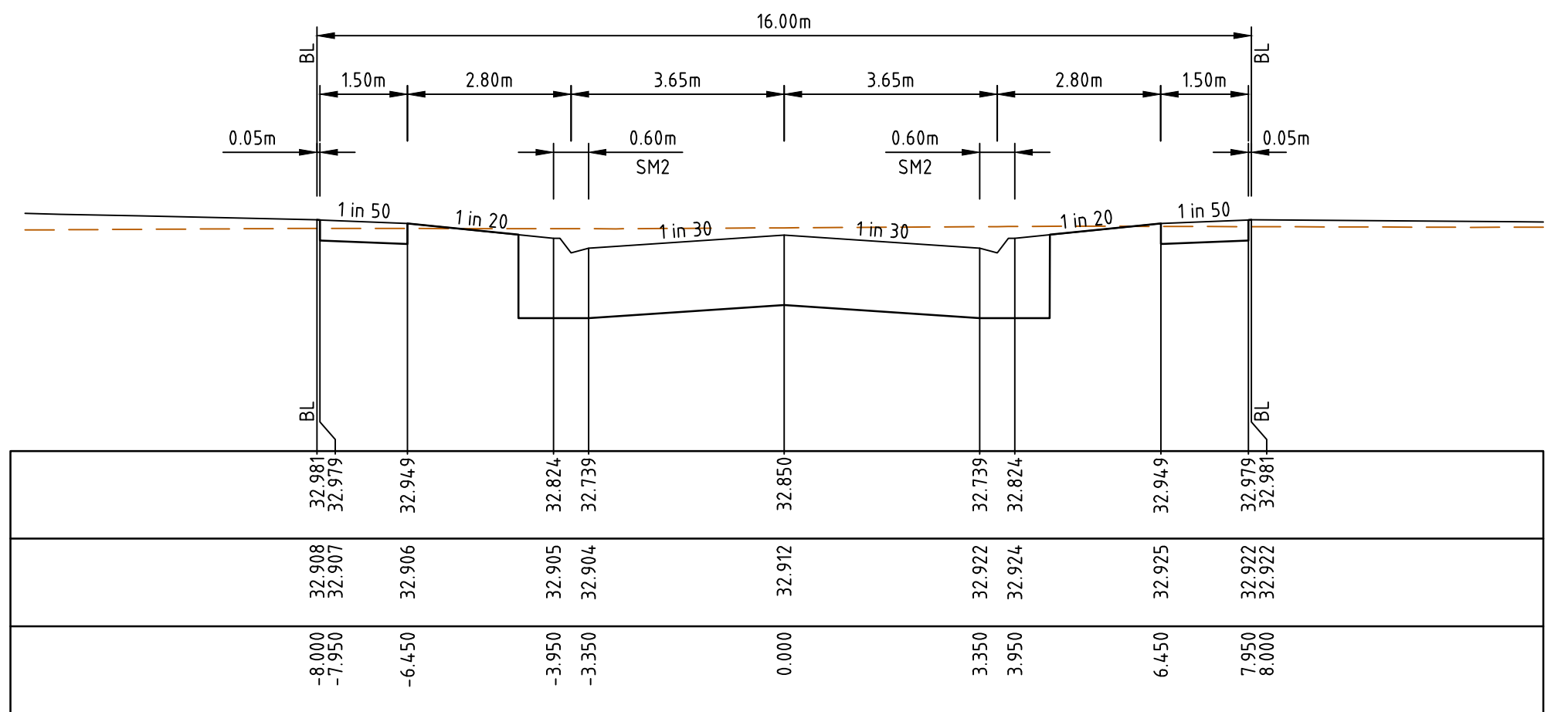
LOW 36.000



DATUM RL32.0	
DESIGN SURFACE	33.115 33.112 33.082 32.957 32.872 32.984 32.872 32.957 33.082 33.112 33.115
EXISTING SURFACE	33.272 33.272 33.260 33.241 33.237 33.212 33.188 33.184 33.166 33.155 33.153
OFFSET	-8.000 -7.950 -6.450 -3.950 -3.350 0.000 3.350 3.950 6.450 7.950 8.000

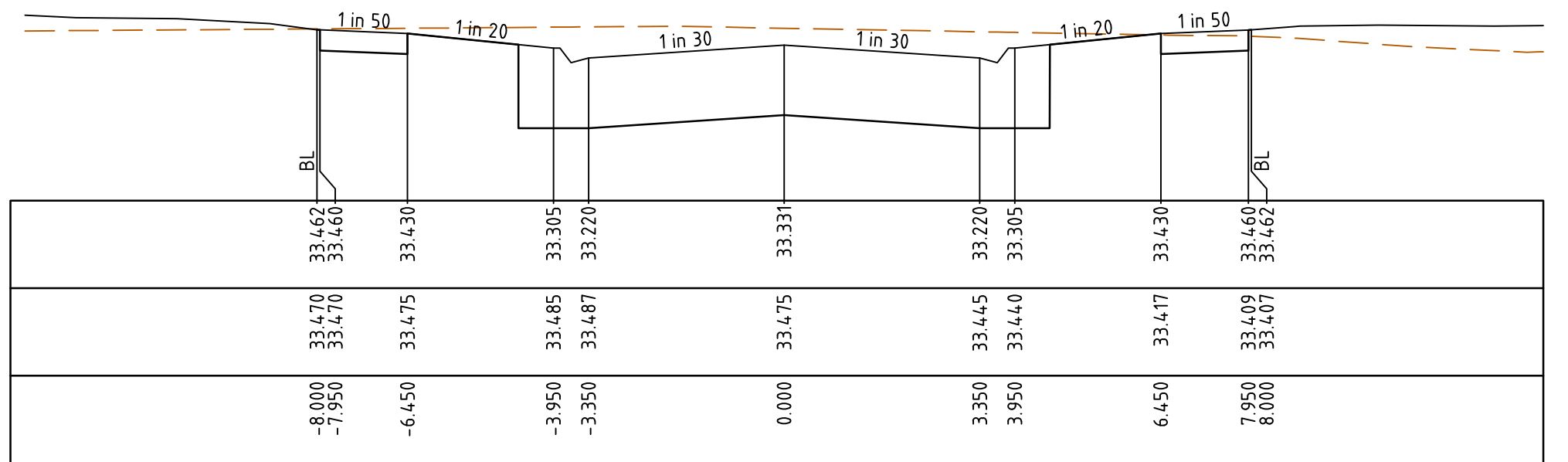
TPCH 11.950

DELPHI ROAD - ROAD CROSS SECTIONS



DATUM RL31.0	
DESIGN SURFACE	32.981 32.979 32.949 32.824 32.739 32.850 32.739 32.824 32.949 32.979 32.981
EXISTING SURFACE	32.908 32.907 32.906 32.905 32.904 32.912 32.922 32.924 32.925 32.922 32.922
OFFSET	-8.000 -7.950 -6.450 -3.950 -3.350 0.000 3.350 3.950 6.450 7.950 8.000

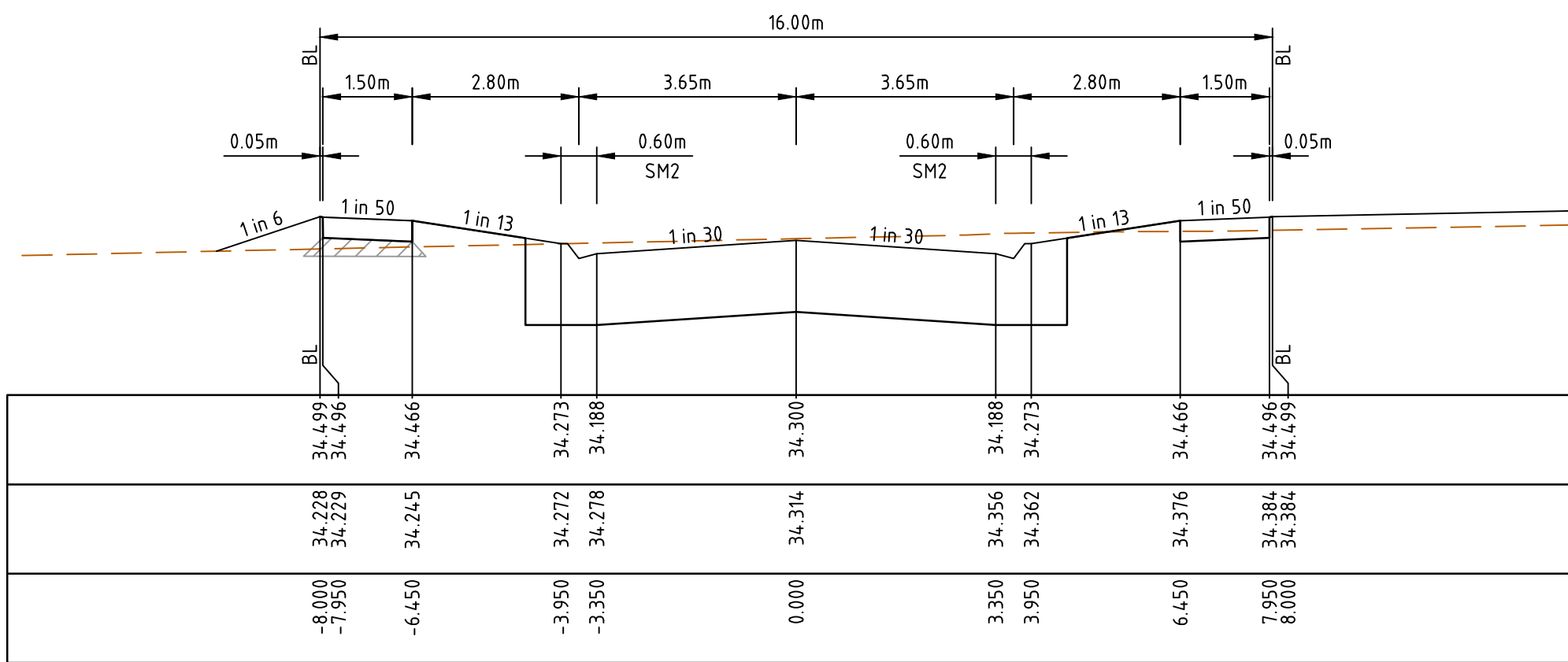
LOW 36.000



DATUM RL32.0	
DESIGN SURFACE	33.462 33.460 33.430 33.305 33.220 33.331 33.220 33.305 33.430 33.460 33.462
EXISTING SURFACE	33.470 33.470 33.475 33.485 33.487 33.475 33.445 33.440 33.417 33.409 33.407
OFFSET	-8.000 -7.950 -6.450 -3.950 -3.350 0.000 3.350 3.950 6.450 7.950 8.000

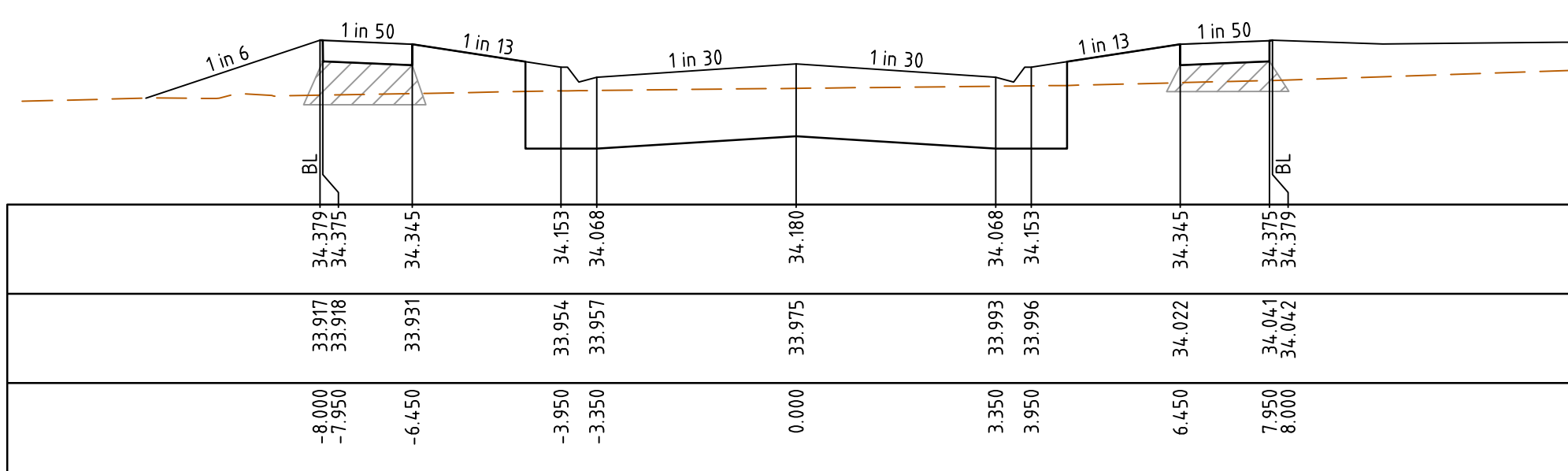
TPCH 11.950

OLIVE GROVE - ROAD CROSS SECTIONS



DATUM RL33.0	
DESIGN SURFACE	34.498 34.496 34.466 34.273 34.188 34.300 34.188 34.273 34.466 34.496 34.498
EXISTING SURFACE	34.228 34.229 34.245 34.273 34.278 34.314 34.356 34.362 34.376 34.384 34.384
OFFSET	-8.000 -7.950 -6.450 -3.950 -3.350 0.000 3.350 3.950 6.450 7.950 8.000

LOW 36.000

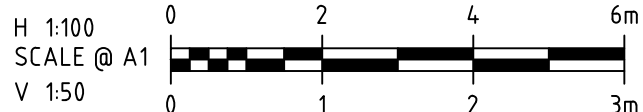


DATUM RL33.0	
DESIGN SURFACE	34.372 34.375 34.345 34.153 34.068 34.180 34.068 34.153 34.345 34.375 34.372
EXISTING SURFACE	33.917 33.918 33.931 33.954 33.957 33.975 33.993 33.996 34.022 34.041 34.042
OFFSET	-8.000 -7.950 -6.450 -3.950 -3.350 0.000 3.350 3.950 6.450 7.950 8.000

TPCH 11.950

OLEA WAY - ROAD CROSS SECTIONS

B	23.01.25	AT			ISSUED FOR COUNCIL SUBMISSION
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REV	DATE	DRN	CKD	APP	AMENDMENT



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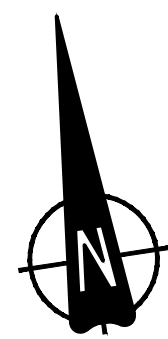
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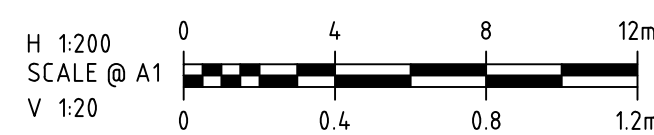
CLIENT	
APPROVED PE 0005927	DESIGNED W. SANSOM
SCALE H 1:100 V 1:50 @ A1	PP No.

PROJECT	KALA ESTATE - STAGE 01
TITLE	ROAD CROSS SECTIONS (SHEET 6 OF 6)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
PP No.	T220227
DRAWING No.	3086-01-255
REVISION	B

ORIGINAL SIZE A1

[illegible]

H 1:250
SCALE @ A1



A diagram of a circular arc. The arc is a solid black line. The chord is a horizontal dashed line connecting the two endpoints of the arc. The radius is shown as two dashed lines from the center of the circle (at the bottom vertex) to the endpoints of the arc. The central angle is labeled 'A' at the center. The arc length is labeled 'L' at three points along the arc. The chord is labeled 'CHORD' in the middle. The endpoints of the arc are labeled 'T.P.' (Top Point) on the left and right. The distance from the center to the endpoints of the chord is labeled 'X' on the chord. The distance from the endpoints of the chord to the endpoints of the arc is labeled 'Y' on the chord. The distance from the endpoints of the arc to the center is labeled 'RADIUS' on the dashed lines.

SETOUT DETAIL
N.T.S.

Point no	Easting			Northing			RL		
A1	372398.049			5785137.115			35.339		
A2	372390.845			5785146.915			35.398		
A3	372390.203			5785147.013			35.382		

Curve no	I	Radius	Arc	A	B	X	Y	l	Mid point	RL
A1-A2	90.008	8.600	13.510	2.519	1.865	3.291	2.790	3.378	35.440	

Point no	Easting		Northing		RL	
B1	372391.168		5785153.340		35.382	
B2	372391.813		5785153.241		35.399	
B3	372401.612		5785160.445		35.931	

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point	RL
B2-B3	89.994	8.600	13.508	2.519	1.864	3.291	2.790	3.377	35.651	

Point no	Easting		Northing		RL	
C1	372331.792		5785155.774		33.945	
C2	372321.993		5785148.569		33.502	

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point	RL
C1 - C2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.722	

Point no	Easting		Northing		RL	
D1	372315.	370	5785149.	580	33.502	
D2	372308.	165	5785159.	379	33.711	

Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point RL
D1 - D2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.643

Point no	Easting		Northing		RL	
E1	372263.581		5785166.181		33.486	
E2	372253.783		5785158.977		33.220	

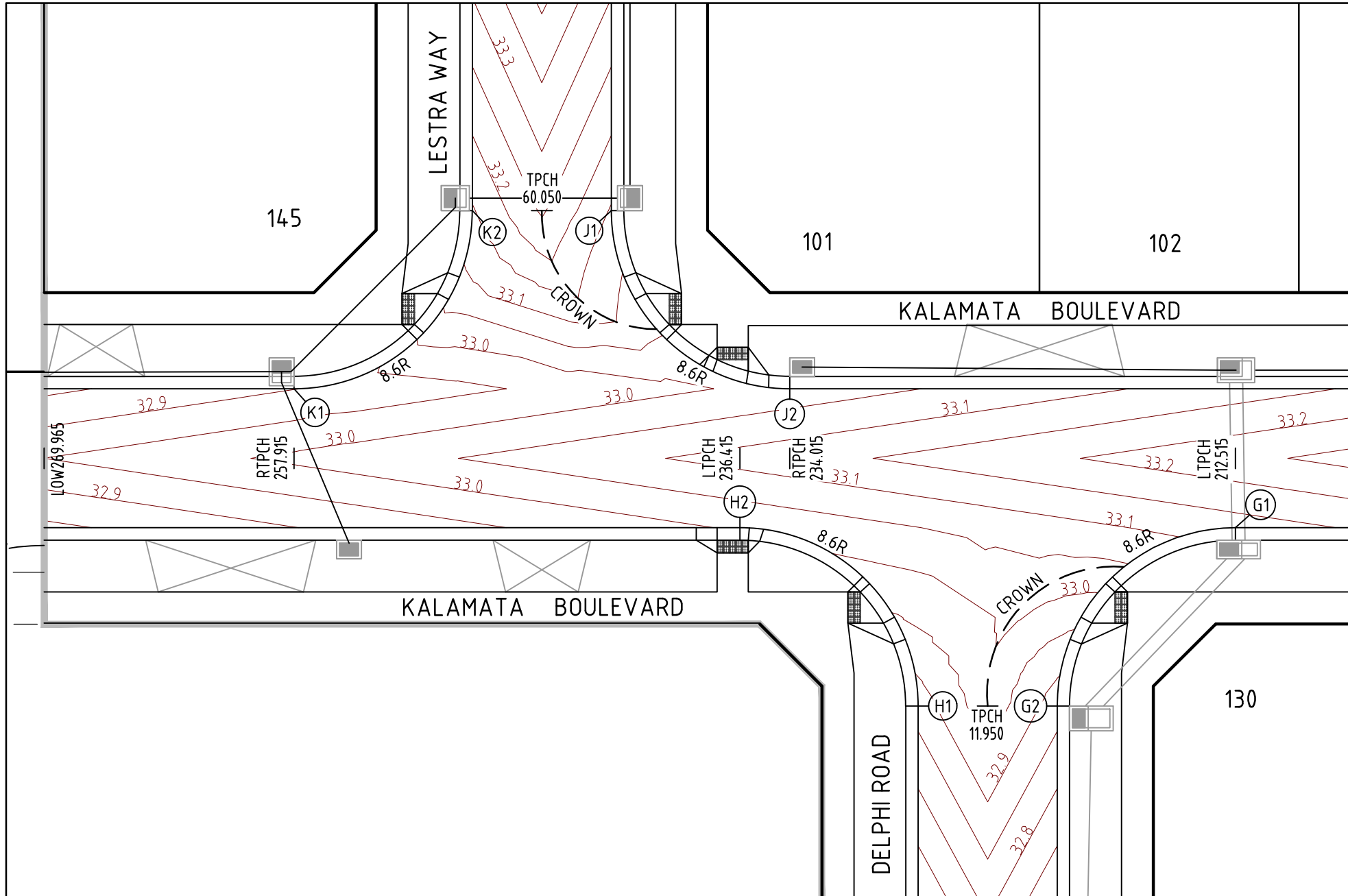
Curve no	I	Radius	Arc	A	B	X	Y	I	Mid point	RL
E1 - E2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.373	

Point no	Easting		Northing		RL	
F1	372247.159		5785159.988		33.220	
F2	372239.955		5785169.786		33.366	

Curve no	l	Radius	Arc	A	B	X	Y	l	Mid point RL
F1 - F2	90.00	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.330

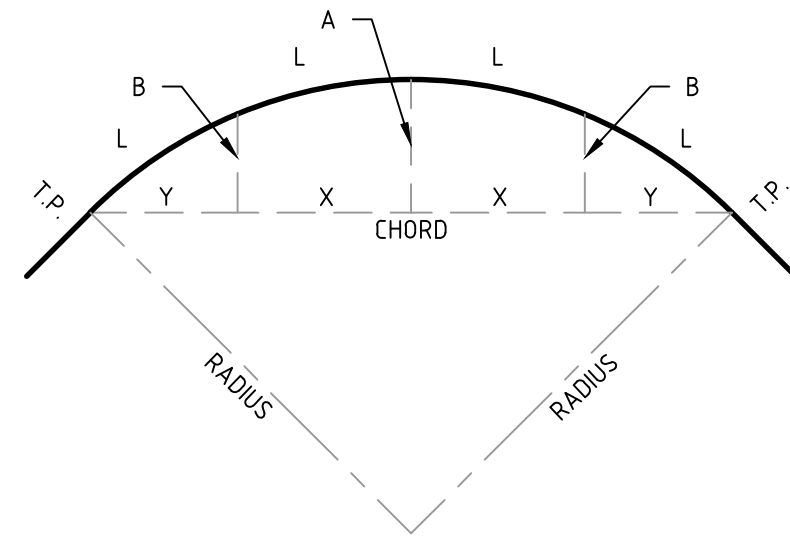
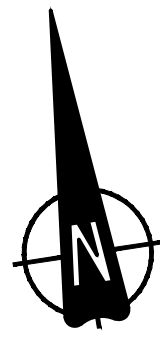
PROJECT	KALA ESTATE - STAGE 01		
TITLE	INTERSECTION DETAILS (SHEET 1 OF 4)		
MUNICIPALITY	CARDINIA SHIRE COUNCIL		
PR No.	T220227	DRAWING No.	3086-01-300
			REVISION B

ORIGINAL
SIZE
A1

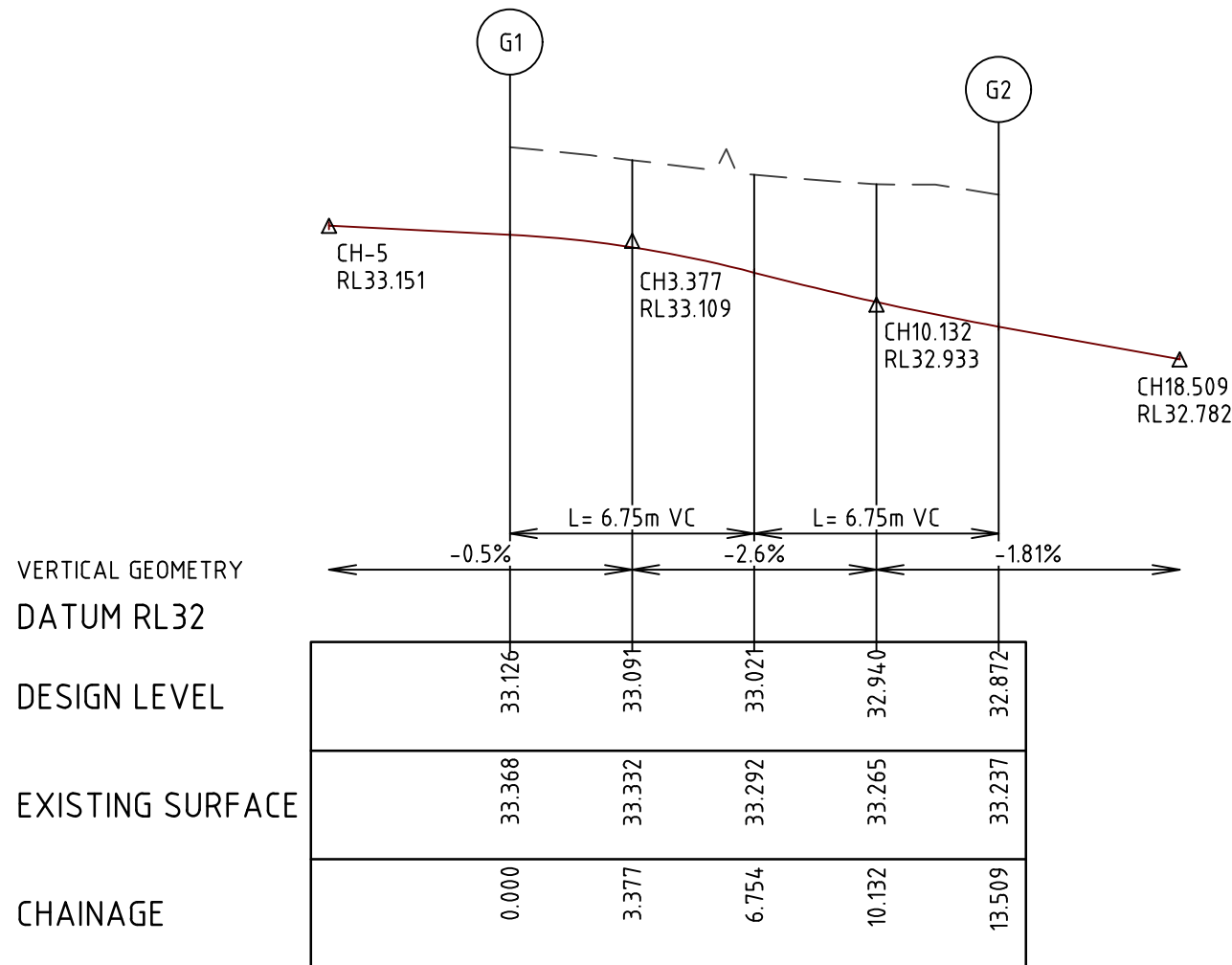


INTERSECTION OF KALAMATA BOULEVARD &
DELPHI ROAD / LESTRA WAY

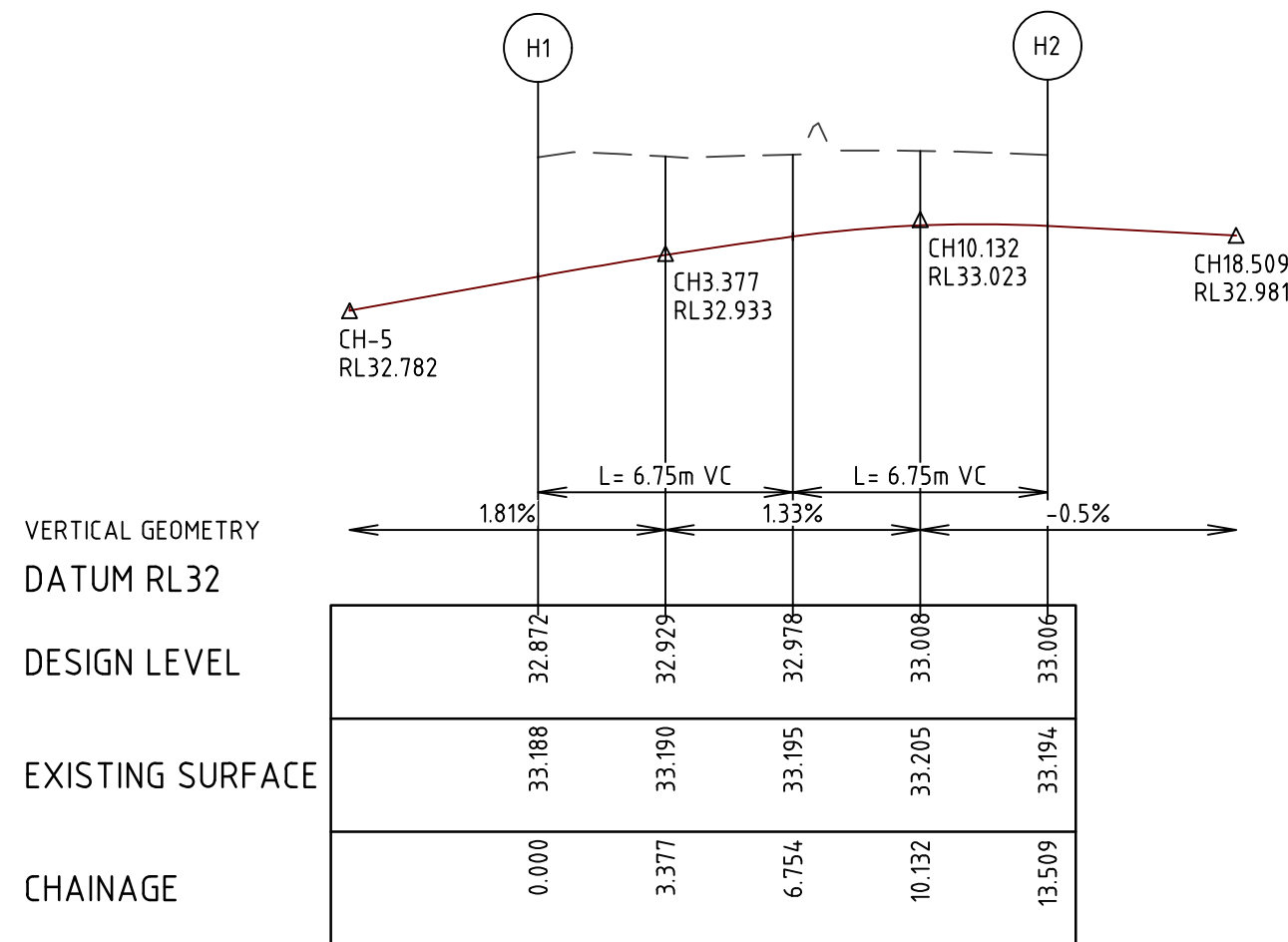
H 1:250
SCALE @ A1



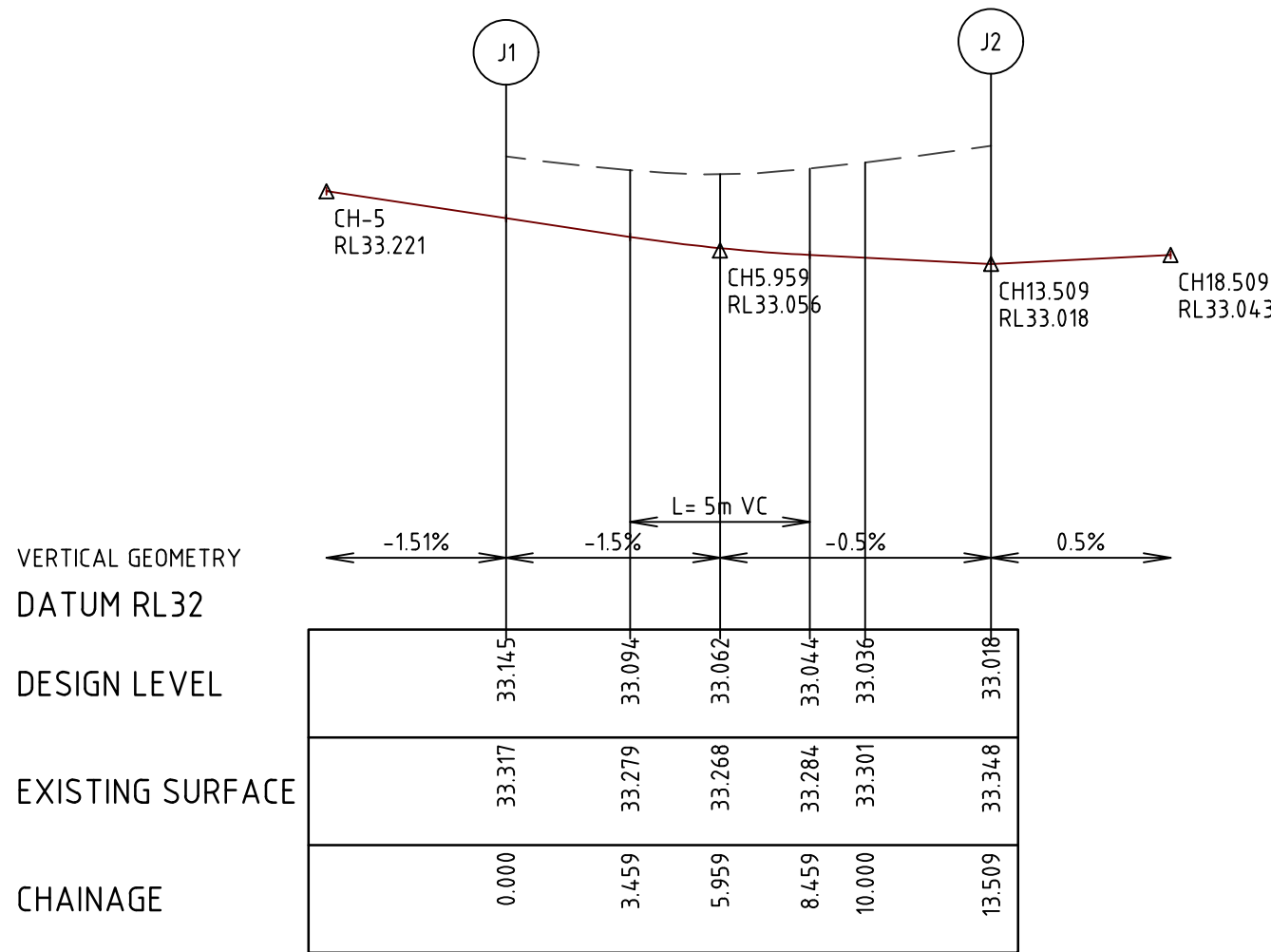
LEGEND		
DESCRIPTION	EXISTING	PROPOSED
STORMWATER DRAIN & PIT	--- ExD ---	--- D ---
PAVEMENT CONTOUR	--- -52.00 ---	--- -52.00 ---



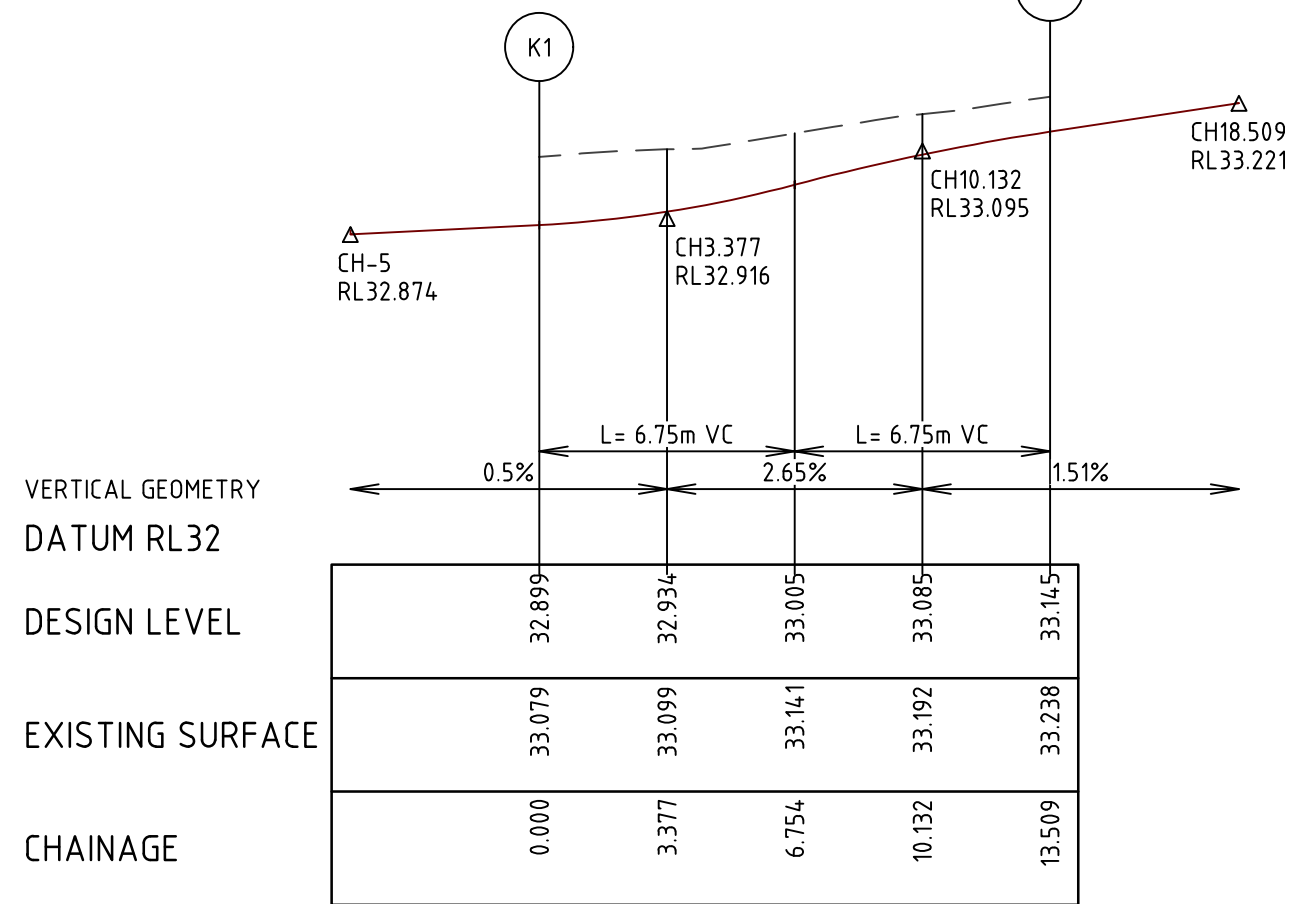
LIP LINE G



LIP LINE H



LIP LINE J



LIP LINE K

ALIGNMENT G

Point no	Easting	Northing	RL
G1	372192.405	5785177.042	33.126
G2	372182.606	5785169.837	32.872

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
G1 - G2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.021

ALIGNMENT H

Point no	Easting	Northing	RL
H1	372175.983	5785170.848	32.872
H2	372168.779	5785180.647	33.006

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
H1 - H2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	32.978

ALIGNMENT J

Point no	Easting	Northing	RL
J1	372164.957	5785196.707	33.145
J2	372172.162	5785186.908	33.018

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
J1 - J2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.055

ALIGNMENT K

Point no	Easting	Northing	RL
K1	372148.535	5785190.513	32.899
K2	372158.334	5785197.717	33.145

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
K1 - K2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.005

H 1:200
SCALE @ A1
V 1:20

C	09.05.25	MA	<i>[Signature]</i>	<i>[Signature]</i>	LIP LINE "J" LONG SECTION AMENDED
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	OKD	APP	AMENDMENT

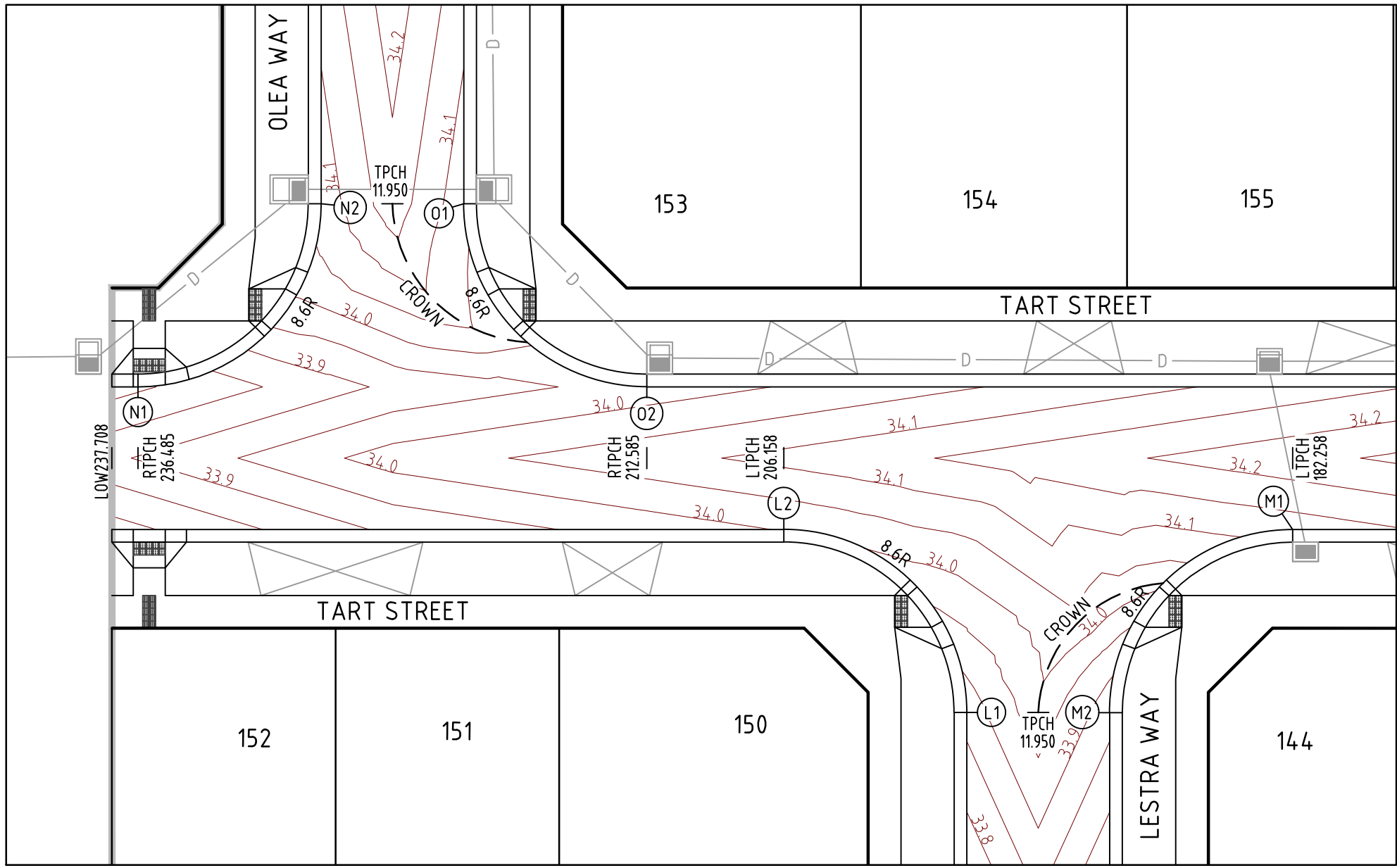
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SIG GROUP
APPROVED PE 0005927
[Signature]
DESIGNED
W. SANSOM
SCALE
AS SHOWN

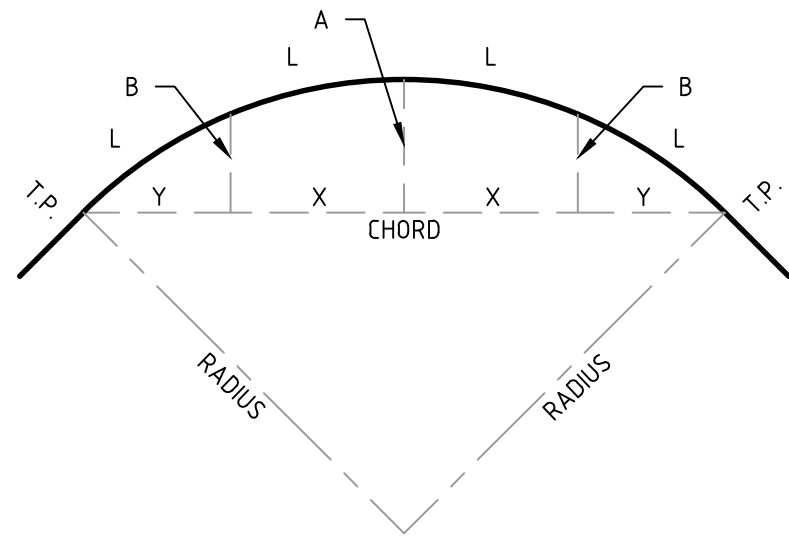
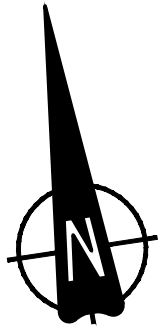
PROJECT
KALA ESTATE - STAGE 01
TITLE
INTERSECTION DETAILS (SHEET 2 OF 4)
MUNICIPALITY
CARDINIA SHIRE COUNCIL
PP No. T220227
DRAWING No. 3086-01-301
REVISION
C

ORIGINAL SIZE
A1



INTERSECTION OF TART STREET & LESTRA WAY / OLEA WAY

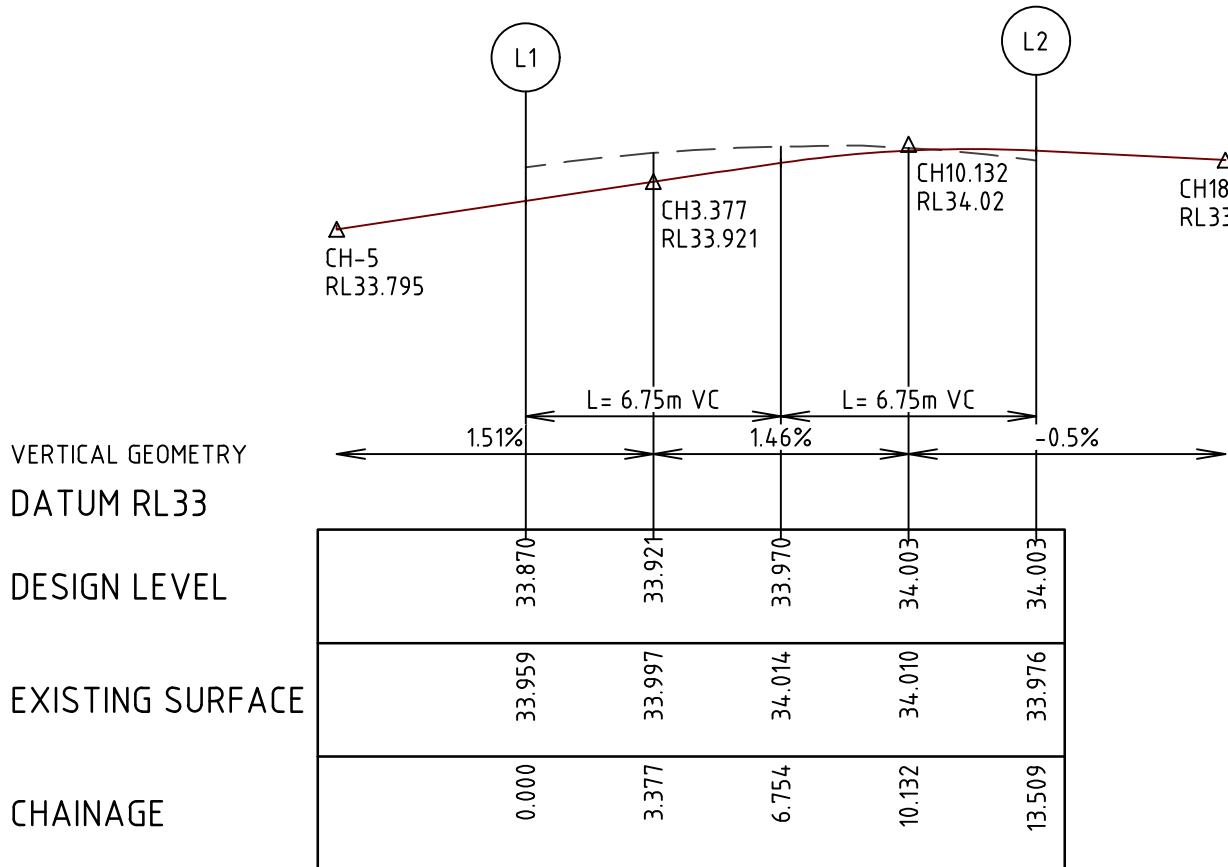
H: 1:250
SCALE @ A1



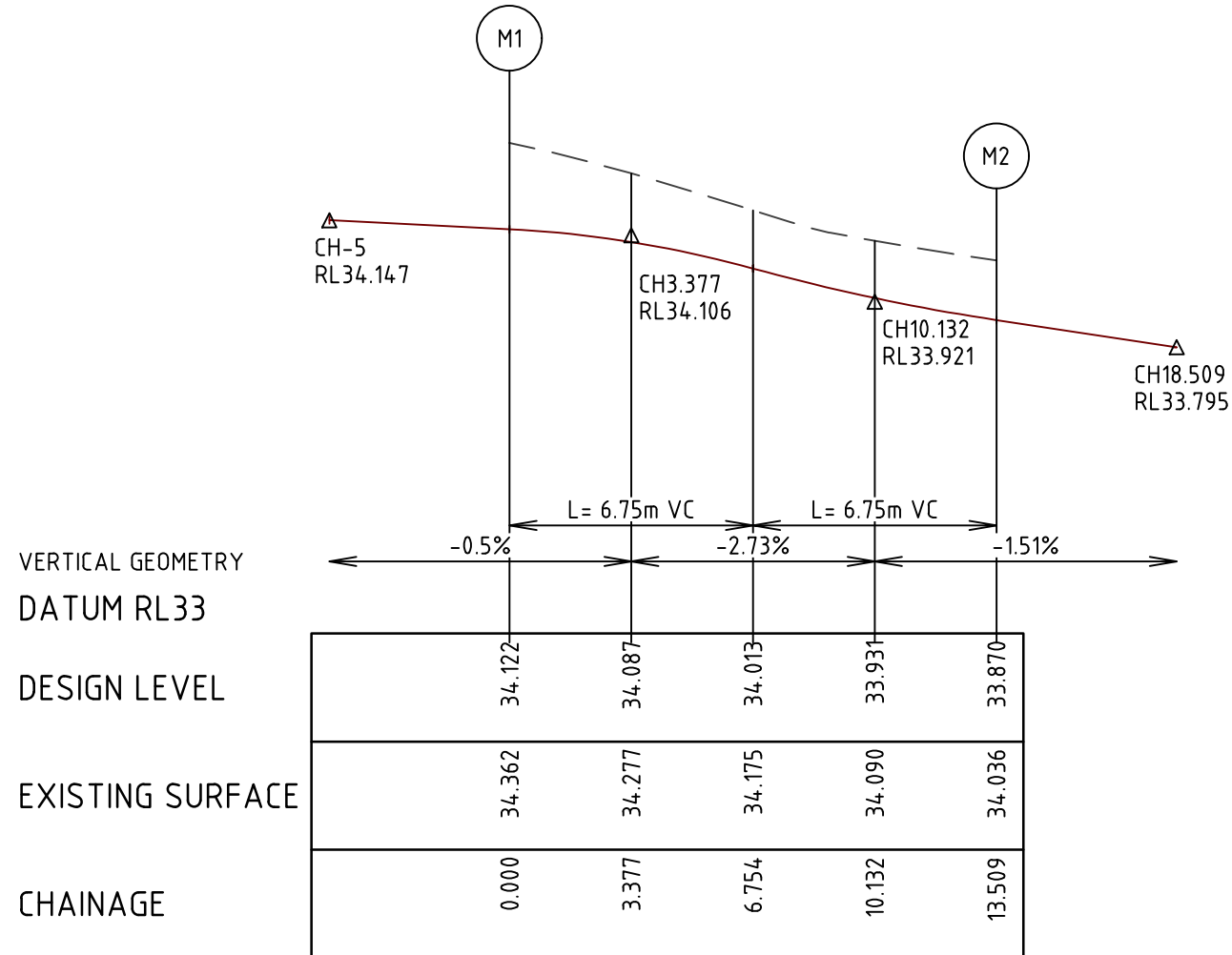
SETOUT DETAIL

N.T.S.

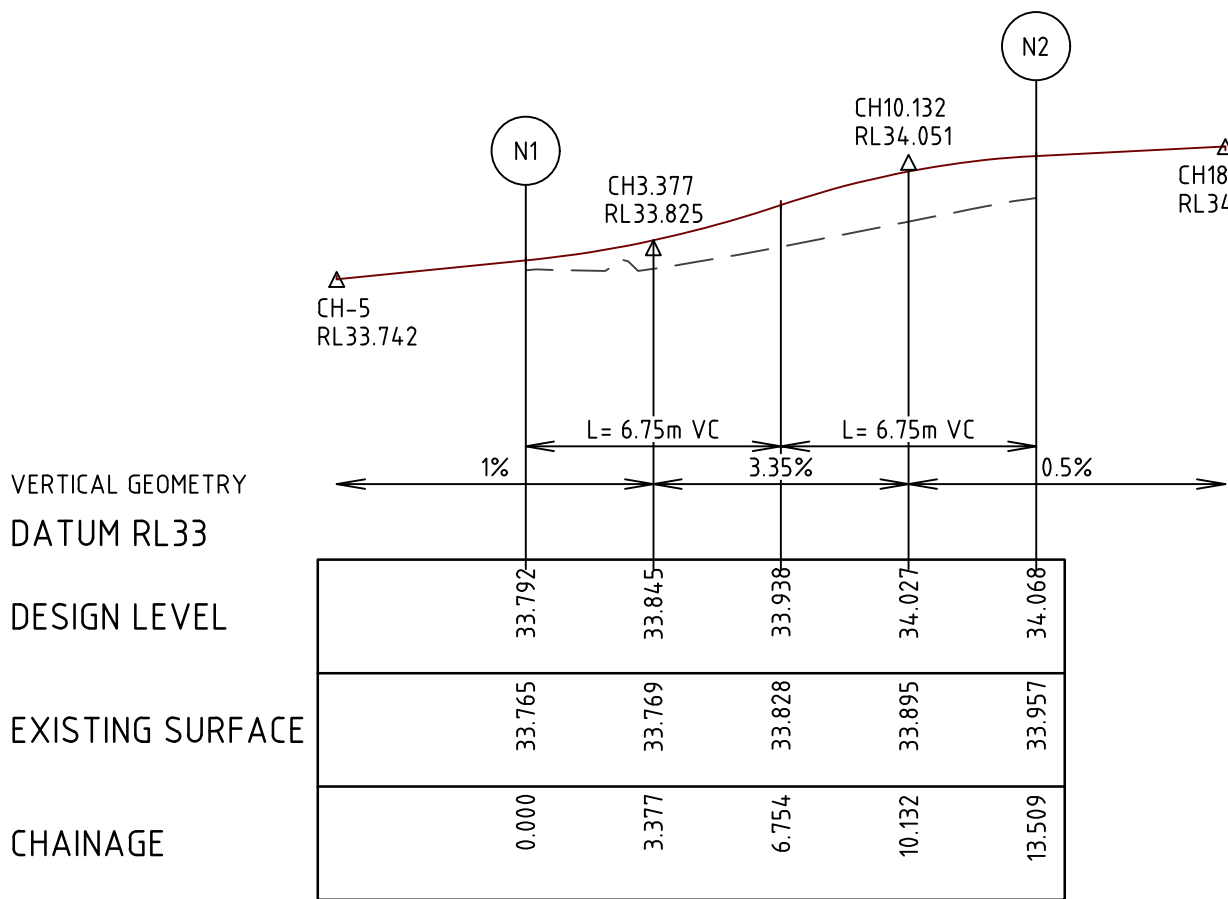
LEGEND		
DESCRIPTION	EXISTING	PROPOSED
STORMWATER DRAIN & PIT	— E x D —	— D —
PAVEMENT CONTOUR	— 52.00 —	— 52.00 —



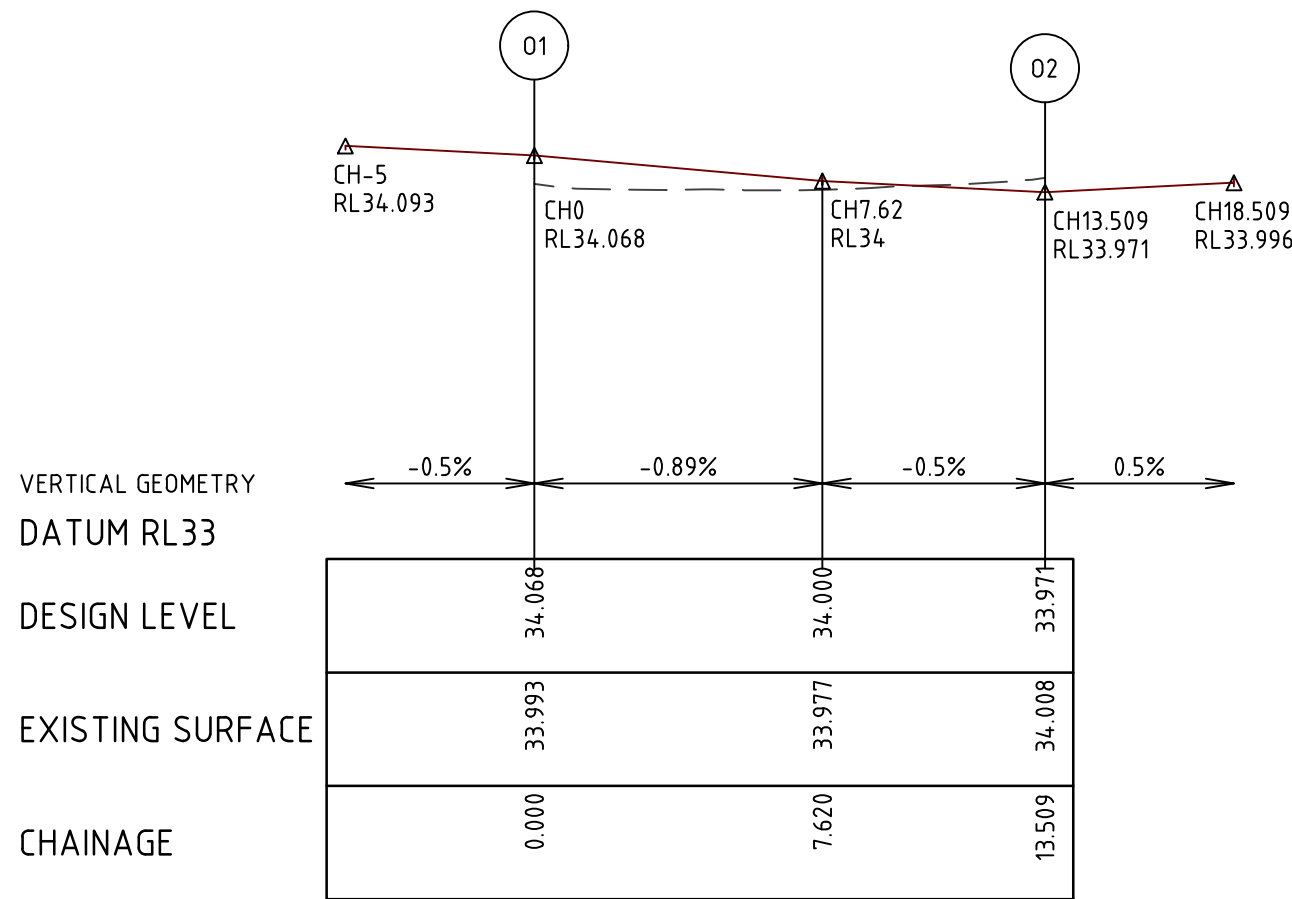
LIP LINE L



LIP LINE M



LIP LINE N



LIP LINE O

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

ALIGNMENT L

Point no	Easting	Northing	RL
L1	372165.589	5785245.267	33.870
L2	372158.385	5785255.066	34.003

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
L1 - L2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.970

ALIGNMENT M

Point no	Easting	Northing	RL
M1	372182.011	5785251.461	34.122
M2	372172.213	5785244.256	33.870

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
M1 - M2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	34.013

ALIGNMENT N

Point no	Easting	Northing	RL
N1	372129.416	5785266.264	33.792
N2	372139.214	5785273.468	34.068

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
N1 - N2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	33.938

ALIGNMENT O

Point no	Easting	Northing	RL
O1	372145.838	5785272.457	34.068
O2	372153.042	5785262.659	33.971

Curve no	L	Radius	Arc	A	B	X	Y	L	Mid point RL
O1 - O2	90.000	8.600	13.509	2.519	1.864	3.291	2.790	3.377	34.008

B	23.01.25	AT	<i>[Signature]</i>	<i>[Signature]</i>	ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT

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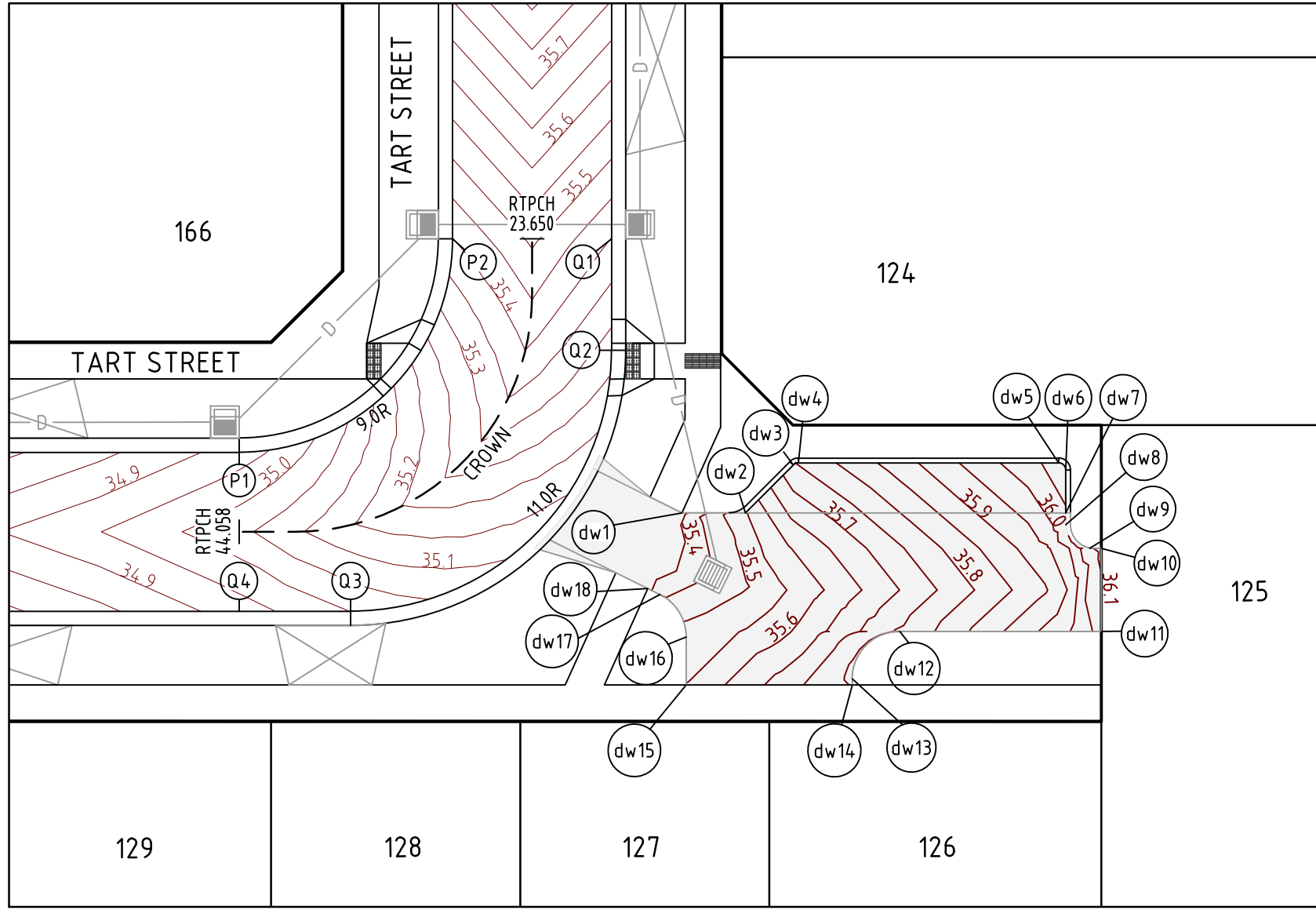
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SIG GROUP
APPROVED PE 0005927
DESIGNED W. SANSOM
SCALE AS SHOWN

PROJECT
KALA ESTATE - STAGE 01
TITLE
INTERSECTION DETAILS
(SHEET 3 OF 4)
MUNICIPALITY
CARDINIA SHIRE COUNCIL
PP No.
T220227
DRAWING No.
3086-01-302
REVISION
B

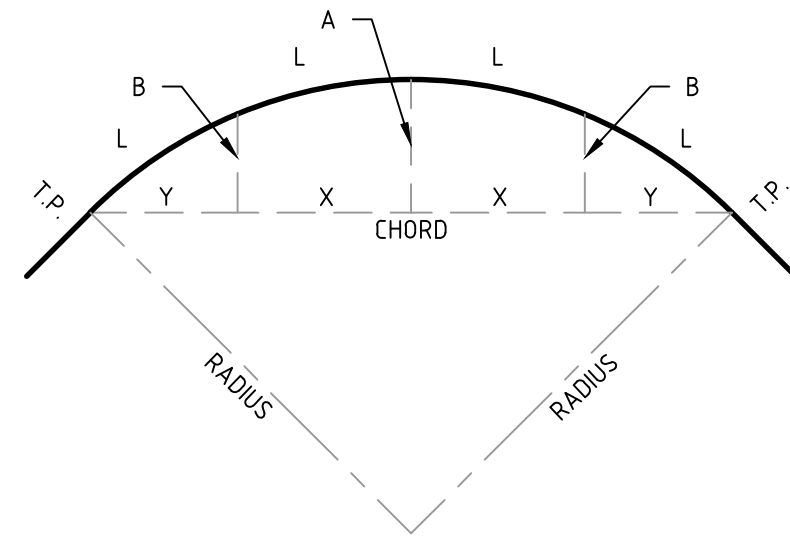
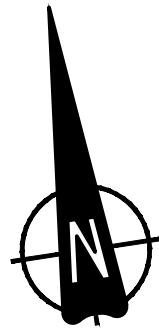
ORIGINAL SIZE
A1

C:\Users\alexy\Documents\3086-01-302\NT\Fig 1/20/2025 4:03 PM ALEY.TROUBETTA



ROAD BEND FOR TART STREET

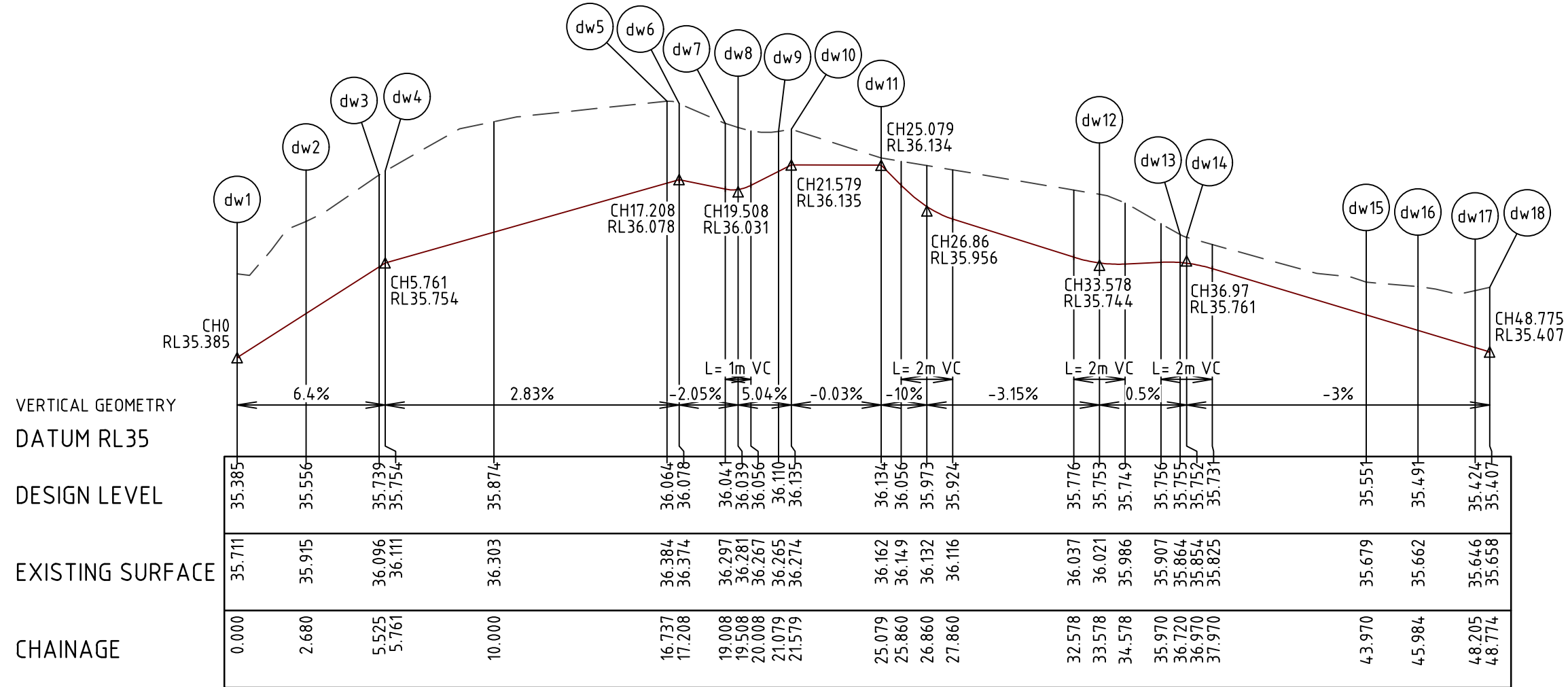
H 1:250
SCALE @ A1



SETOUT DETAIL

N.T.S.

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
STORMWATER DRAIN & PIT	ExD	D
PAVEMENT CONTOUR	-52.00	-52.00



LIP LINE dw

ALIGNMENT P

Point no	Easting	Northing	RL
P1	372319.641	5785237.238	34.925
P2	372329.895	5785244.778	35.399

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
P1 - P2	90.000	9.000	14.137	2.636	1.951	3.444	2.920	3.534	35.140

ALIGNMENT Q

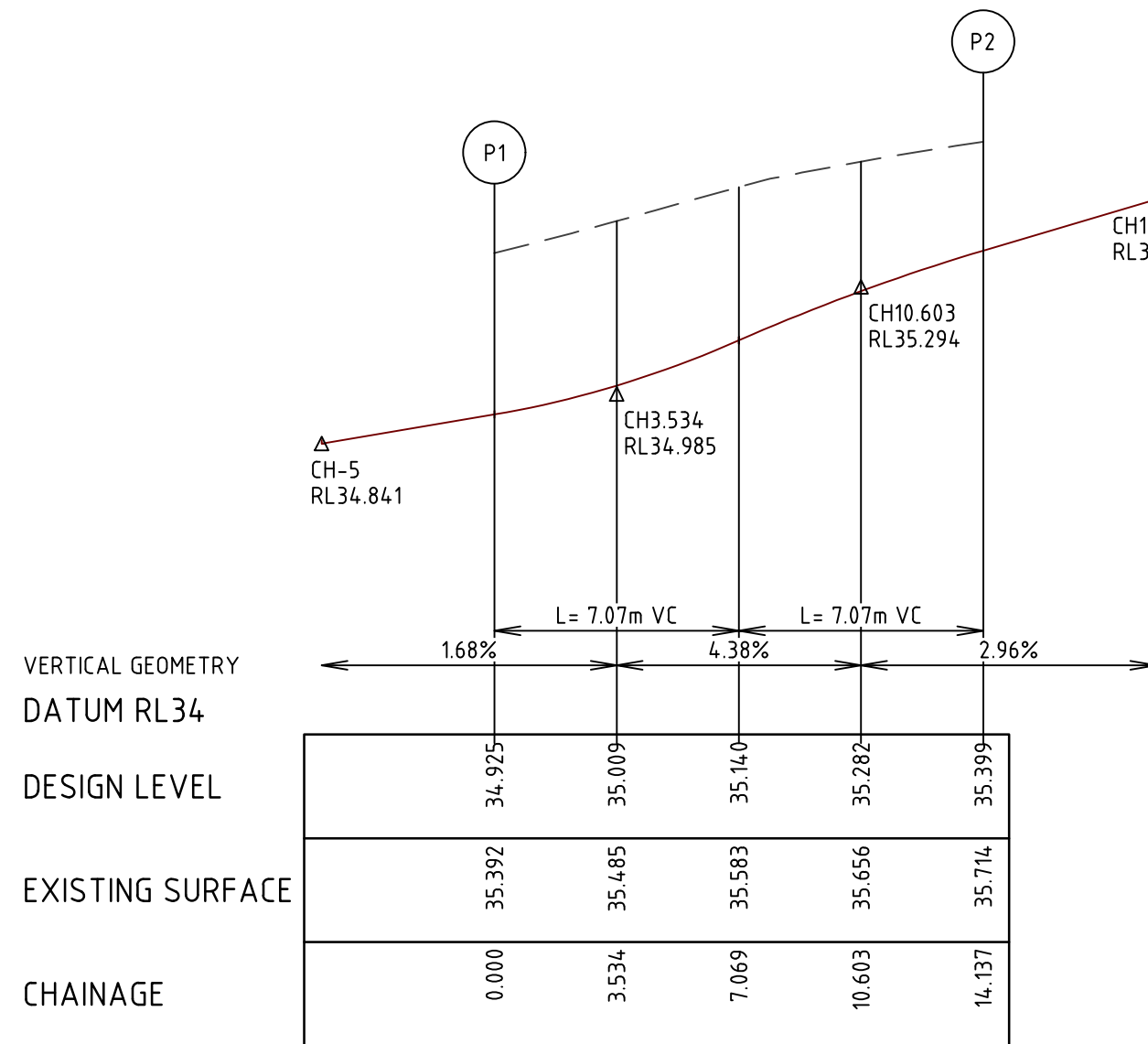
Point no	Easting	Northing	RL
Q1	372336.519	5785243.767	35.399
Q2	372335.810	5785239.121	35.274
Q3	372323.276	5785229.906	35.001
Q4	372318.630	5785230.615	34.925

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
Q2 - Q3	90.000	11.000	17.279	3.222	2.385	4.210	3.569	4.320	35.120

ALIGNMENT dw

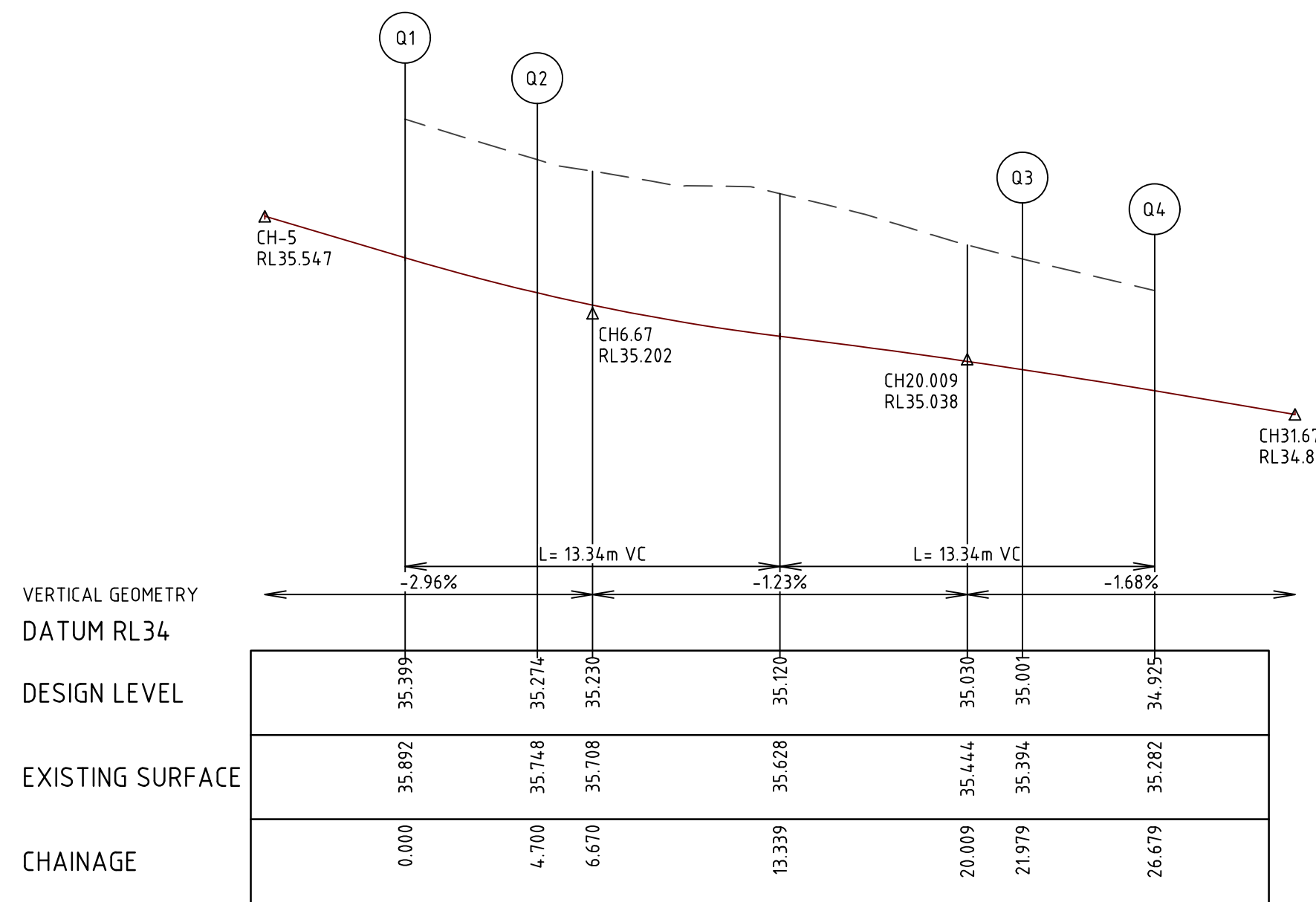
Point no	Easting	Northing	RL
dw1	372337.713	5785231.901	35.385
dw2	372340.362	5785231.497	35.556
dw3	372342.655	5785233.183	35.739
dw4	372342.877	5785233.238	35.754
dw5	372353.728	5785231.582	36.064
dw6	372353.979	5785231.240	36.078
dw7	372353.707	5785229.461	36.041
dw8	372353.632	5785228.967	36.039
dw9	372354.470	5785227.827	36.110
dw10	372354.964	5785227.752	36.135
dw11	372354.436	5785224.292	36.134
dw12	372346.033	5785225.574	35.753
dw13	372343.755	5785223.899	35.755
dw14	372343.717	5785223.651	35.752
dw15	372336.797	5785224.707	35.551
dw16	372337.101	5785226.698	35.491
dw17	372336.272	5785228.637	35.424
dw18	372335.806	5785228.964	35.407

Curve no	L	Radius	Arc	A	B	X	Y	l	Mid point RL
dw3 - dw4	45.000	0.300	0.236	0.023	0.017	0.059	0.056	0.059	35.746
dw5 - dw6	90.000	0.300	0.471	0.088	0.065	0.115	0.097	0.118	36.071
dw8 - dw9	89.998	1.000	1.571	0.293	0.217	0.383	0.324	0.393	36.070
dw12 - dw13	90.001	2.000	3.142	0.586	0.434	0.765	0.649	0.785	35.752
dw16 - dw17	63.628	2.000	2.221	0.300	0.224	0.548	0.506	0.555	35.457



LIP LINE P

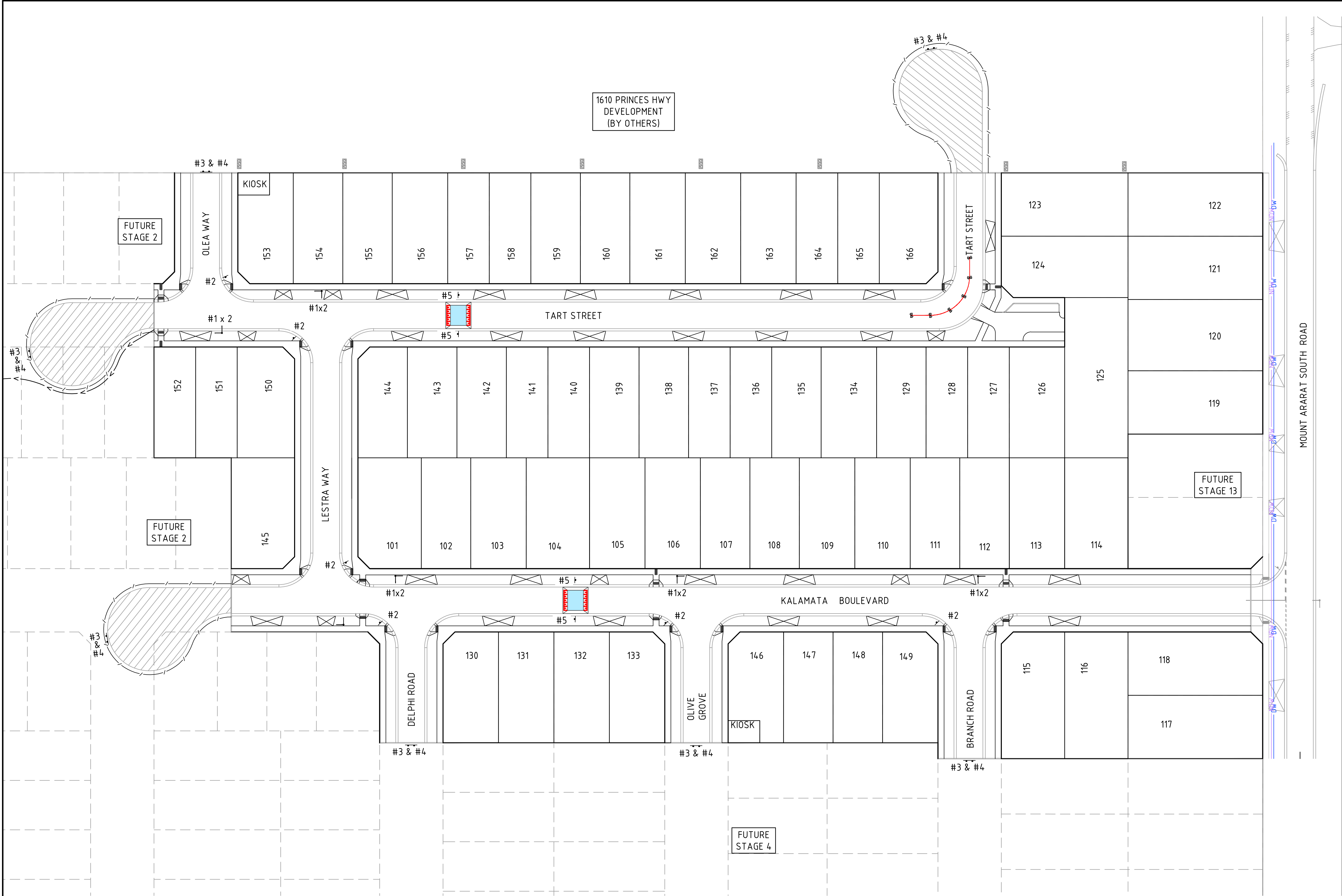
H 1:200
SCALE @ A1
V 1:20



LIP LINE Q

B	23.01.25	AT			ISSUED FOR COUNCIL SUBMISSION
A	14.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT

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This plan is not to be used for construction unless issued as revision 0 or higher			APPROVED PE 0005927 	TITLE INTERSECTION DETAILS (SHEET 4 OF 4) MUNICIPALITY CARDINIA SHIRE COUNCIL PP No. T220227 DRAWING No. 3086-01-303 REVISION B	



SIGNAGE SCHEDULE		
NO.	SIGN CODE	SIGN
#1	STREET NAME	
#2	R1-2	
#3	D4-5	
#4	G9-20	
#5	W5 -10	
	W8 - 2	

- NOTES
- RRPM'S IN INSTALLED IN ACCORDANCE WITH AS1742.2 CLAUSE 5.6.
 - LINEMARKING TO BE EXTENDED AT LEAST 6m FROM THE TANGENT POINT
 - LINEMARKING IN ACCORDANCE WITH AS1742.
 - TGSI TO BE INSTALLED IN ACCORDANCE WITH AS1428.4:2002 & MPA STANDARD DWG EDCM 403.
 - ALL STREET NAME SIGNS AT INTERSECTIONS TO INCLUDE RELEVANT STREET NUMBERING.
 - ALL LINE MARKING PAINT SHALL BE LONG LIFE TYPE. LATERAL WORKS AND ARROWS BEING COLD APPLIED PLASTIC TROWELLED INTO PLACE (MATERIAL DEGADUR PLASTELINE) AND LONGITUDINAL LINES BEING EXTRUDED THERMOPLASTIC MATERIAL.

C	09.05.25	MA			NOTE 4 AMENDED AS PER COUNCIL COMMENTS
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
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CLIENT			
APPROVED PE 0005927		DESIGNED W. SANSOM	
		SCALE 1:500	

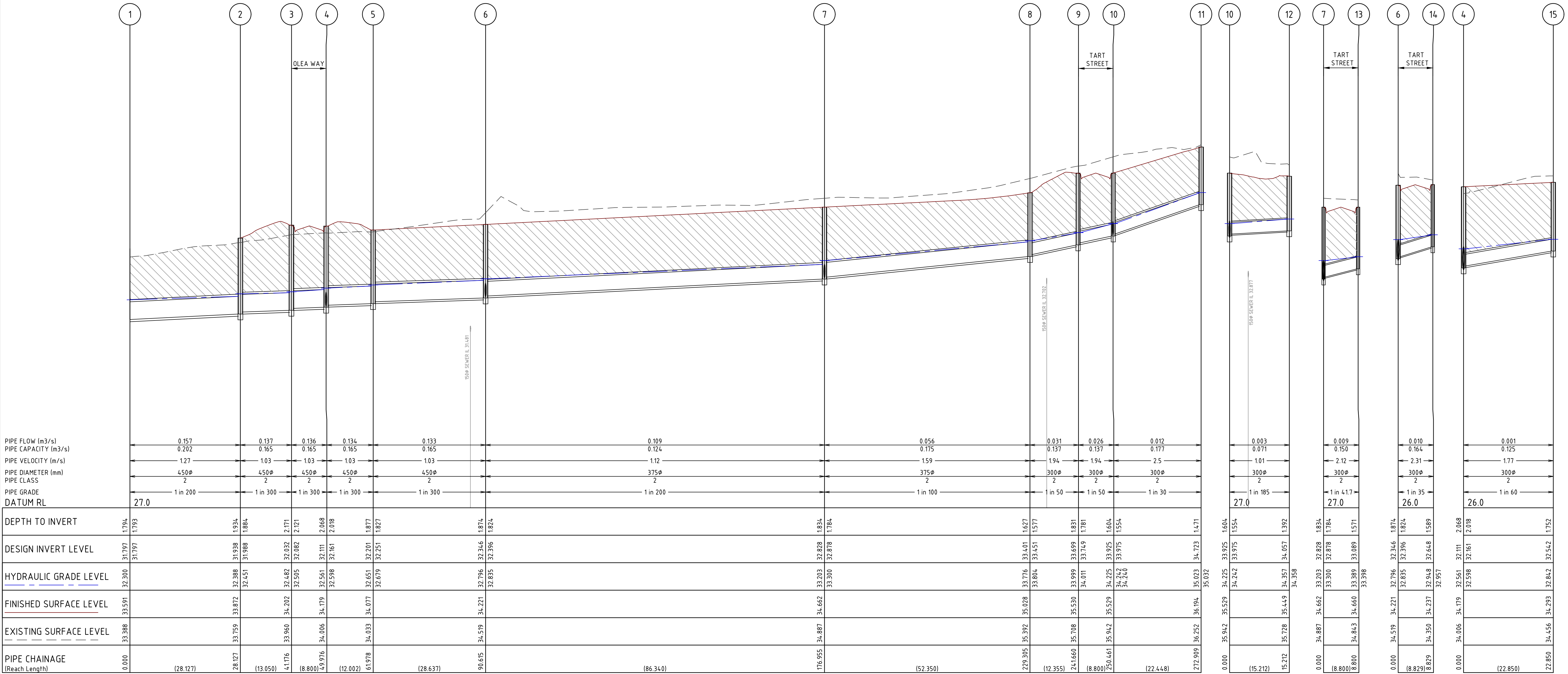
PROJECT		KALA ESTATE - STAGE 01	
TITLE		SIGNAGE AND LINEMARKING PLAN	
MUNICIPALITY		CARDINIA SHIRE COUNCIL	
PP No.	T220227	DRAWING No.	3086-01-350
REVISION		C	

ORIGINAL SIZE
A1

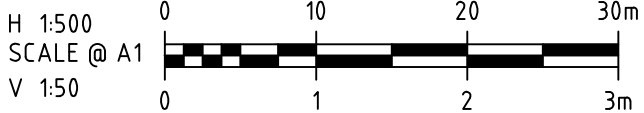
C:\Users\m\Documents\3086-01-350\Design\Kala\3086-01-350.dwg 5/12/2025 3:57 PM NINEA TABUENIA

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.



C	09.05.25	MA	<i>[Signature]</i>	<i>[Signature]</i>	RE-ISSUED FOR COUNCIL APPROVAL
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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CLIENT	SIG GROUP
APPROVED PE 0005927	DESIGNED W. SANSOM
SCALE H 1:500 V 1:50	PP No. T220227

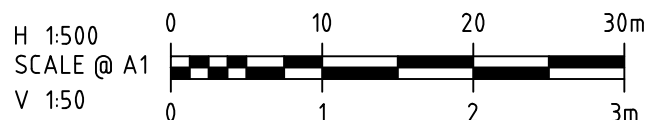
PROJECT	KALA ESTATE - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 1 OF 4)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
DRAWING No.	3086-01-400
REVISION	C

ORIGINAL SIZE A1

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

PIPE FLOW (m3/s) PIPE CAPACITY (m3/s) PIPE VELOCITY (m/s) PIPE DIAMETER (mm) PIPE CLASS PIPE GRADE DATUM RL	0.295 0.354	0.271 0.290	0.257 0.290	0.257 0.290	0.258 0.285	0.247 0.301	0.212 0.250	0.218 0.307	0.162 0.274	0.134 0.144
	1.25	1.34	1.34	1.34	1.79	1.89	1.57	2.78	2.48	2.04
	600φ 2	525φ 2	525φ 2	525φ 2	450φ 2	450φ 2	375φ 2	375φ 2	300φ RCP	
	1 in 300	1 in 220	1 in 220	1 in 220	1 in 100	1 in 90.1	1 in 130	1 in 32.6	1 in 41	1 in 45
	28.0									
DEPTH TO INVERT	1808 1807 1807	1821 1807 1807	1790 1740 1740	1944 1894 1894	1861 1811 1811	1935 1885 1885	1755 1705 1705	1578 1528 1528	1304 1254 1254	1868 1818 1818
DESIGN INVERT LEVEL	30.967 30.968 30.968	31.014 31.064 31.064	31.205 31.255 31.255	31.310 31.360 31.360	31.398 31.448 31.448	31.693 31.743 31.743	32.722 32.772 32.772	33.138 33.188 33.188	35.138 35.188 35.188	36.506 36.556 36.556
HYDRAULIC GRADE LEVEL	31.600	31.632 31.651 31.651	31.774 31.84.3 31.84.3	31.887 31.933 31.933	31.963 32.155 32.113	32.312 32.631 32.580	33.240 33.363 33.363	33.624 33.747 33.747	35.513 35.963 35.963	36.881 36.913 36.913
FINISHED SURFACE LEVEL	32.775	32.834 32.601 32.601	32.995 33.083 33.083	33.254 33.237 33.237	33.259 33.336 33.336	33.628 33.711 33.711	34.477 34.546 34.546	34.715 34.864 34.864	36.442 36.698 36.698	38.373 38.439 38.439
EXISTING SURFACE LEVEL	32.559	32.601 32.601 32.601	33.083 33.083 33.083	33.237 33.237 33.237	33.336 33.336 33.336	33.711 33.711 33.711	34.546 34.546 34.546	34.864 34.864 34.864	36.698 36.698 36.698	38.439 38.439 38.439
PIPE CHAINAGE (Reach Length)	0.000 (13.797)	13.797 (31.150)	44.947 (12.108)	57.055 (8.425)	65.480 (24.450)	89.930 (88.250)	178.179 (47.500)	225.680 (63.496)	289.176 (54.003)	343.179 (19.993)



C	09.05.25	MA	<i>Initial</i>	<i>Rev</i>	RE-ISSUED FOR COUNCIL APPROVAL
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	CKD	APP	AMENDMENT



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CLIENT	
	
APPROVED PE 0005927 	DESIGNED W. SANSOM
	SCALE H 1:500 V 1:50

PROJECT	KALA ESTATE - STAGE 01		
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 2 OF 4)		
MUNICIPALITY	CARDINIA SHIRE COUNCIL		
PP No.	T220227	DRAWING No.	3086-01-401
			REVISION C

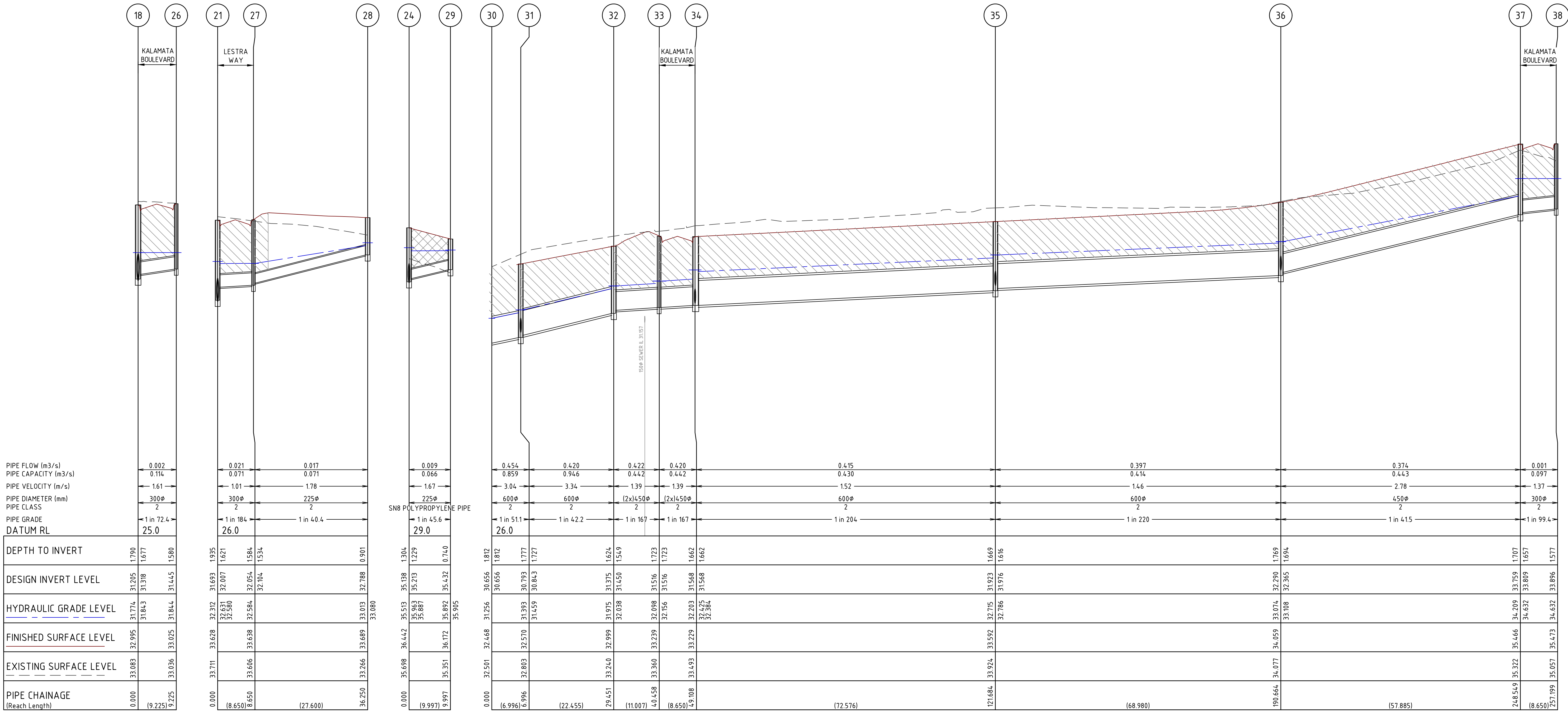
ORIGINAL
SIZE
A1

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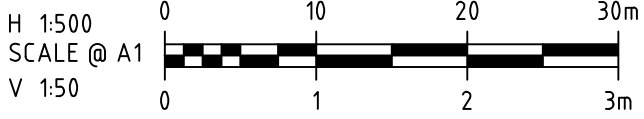
DENOTES 20mm CLASS 3 FCR BACKFILL.

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

TRAFFICABLE TYPE 'R' OR 'F' CONTROLLED COMPACTED FILL INSTALLED TO MRWA SPECIFICATION, ADJACENT TO RETAINING WALL.



C	09.05.25	MA			RE-ISSUED FOR COUNCIL APPROVAL
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
A	13.11.24	NT	MA	K. LORRIMAR	INITIAL ISSUE
REV	DATE	DRN	OKD	APP	AMENDMENT



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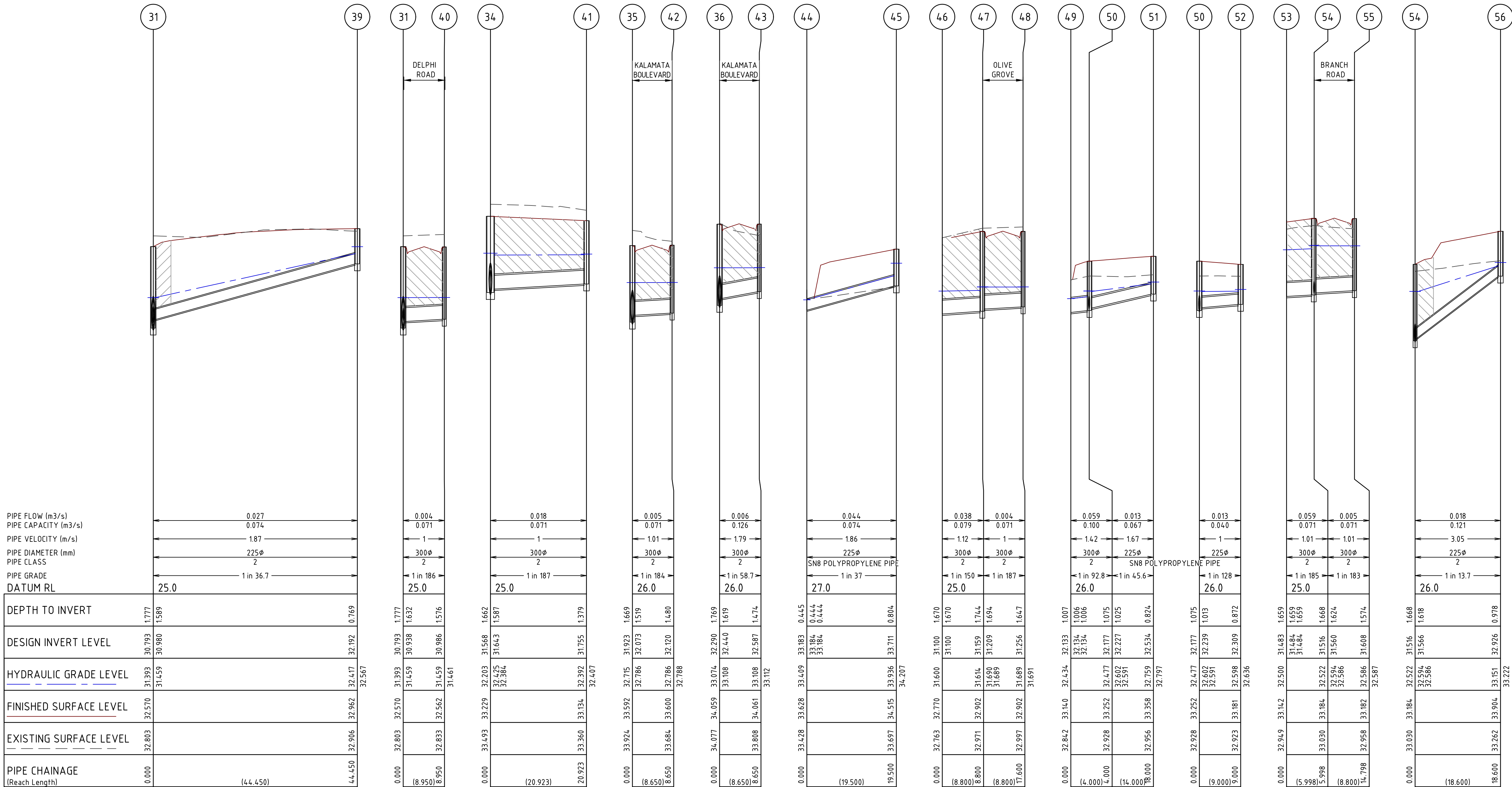
CLIENT	
APPROVED PE 0005927	DESIGNED W. SANSOM
SCALE H 1:500 V 1:50	PP No. T220227

PROJECT	KALA ESTATE - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 3 OF 4)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
DRAWING No.	3086-01-402
REVISION	C

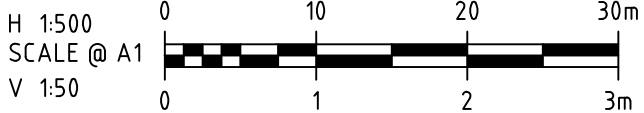
ORIGINAL SIZE
A1

DENOTES 20mm CLASS 3
FCR BACKFILL.

NOTES:
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INCLUDING 750mm DIA. ARE TO BE CLASS 2
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C	09.05.25	MA	<i>[Signature]</i>	<i>[Signature]</i>	RE-ISSUED FOR COUNCIL APPROVAL
B	20.01.25	AT	MA	K. LORRIMAR	ISSUED FOR COUNCIL SUBMISSION
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CLIENT	SIG GROUP
APPROVED PE 0005927	DESIGNED W. SANSOM
SCALE H 1:500 V 1:50	REVISION C

PROJECT	KALA ESTATE - STAGE 01
TITLE	DRAINAGE LONGITUDINAL SECTIONS (SHEET 4 OF 4)
MUNICIPALITY	CARDINIA SHIRE COUNCIL
PP No.	T220227
DRAWING No.	3086-01-403
REVISION	C

ORIGINAL
SIZE
A1

PIT SCHEDULE

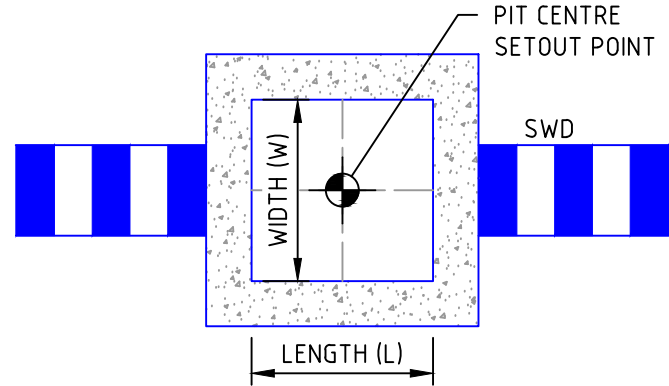
PIT NAME	TYPE	EASTING	NORTHING	INTERNAL WIDTH	INTERNAL LENGTH	INLET DIA	INLET IL	OUTLET DIA	OUTLET IL	PIT SETOUT RL	PIT DEPTH	REMARKS
1	ENDWALL	372099.450	5785271.746			450	31.797			33.591	1.793	
2	SIDE ENTRY PIT GRATED	372127.255	5785267.504	900	900	450	31.988	450	31.938	33.872	1.934	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
3	SIDE ENTRY PIT GRATED	372138.415	5785274.197	900	900	450	32.082	450	32.032	34.202	2.171	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
4	SIDE ENTRY PIT GRATED	372146.818	5785272.915	900	900	450	32.161	450	32.111	34.179	2.068	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
						300	32.161					
5	SIDE ENTRY PIT GRATED	372153.771	5785263.458	900	900	450	32.251	450	32.201	34.077	1.877	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
6	SIDE ENTRY PIT GRATED	372182.080	5785259.138	900	900	375	32.396	450	32.346	34.221	1.874	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
						300	32.396					
7	SIDE ENTRY PIT GRATED	372267.455	5785246.263	600	900	375	32.878	375	32.828	34.662	1.834	
						300	32.878					
8	SIDE ENTRY PIT GRATED	372319.206	5785238.367	600	900	300	33.451	375	33.401	35.028	1.627	
9	SIDE ENTRY PIT GRATED	372328.948	5785245.529	600	900	300	33.749	300	33.699	35.53	1.831	
10	SIDE ENTRY PIT GRATED	372337.648	5785244.202	600	900	300	33.975	300	33.925	35.529	1.604	
						300	33.975					
11	JUNCTION PIT	372341.033	5785266.394	600	900			300	34.723	36.194	1.471	CONSTRUCT V NOTCH ON NORTH WALL
12	GRATED PIT	372338.609	5785229.135	600	900			300	34.057	35.449	1.392	CONSTRUCT GRATED PIT BIKE SAFE, HEAVY DUTY & V-SHAPED GRATE.
13	SIDE ENTRY PIT GRATED	372266.123	5785237.565	600	900			300	33.089	34.660	1.571	
14	SIDE ENTRY PIT GRATED	372182.446	5785250.332	600	900			300	32.648	34.237	1.589	
15	JUNCTION PIT	372150.413	5785295.480	600	900			300	32.542	34.293	1.752	CONSTRUCT V NOTCH ON NORTH WALL
16	ENDWALL	372103.646	5785198.273			600	30.968			32.775	1.807	
17	SIDE ENTRY PIT GRATED	372117.262	5785196.043	900	900	525	31.064	600	31.014	32.834	1.821	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
18	SIDE ENTRY PIT GRATED	372148.066	5785191.419	1050	900	525	31.255	525	31.205	32.995	1.790	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
						300	31.318					
19	SIDE ENTRY PIT GRATED	372157.609	5785198.435	1050	900	525	31.360	525	31.310	33.254	1.944	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
20	SIDE ENTRY PIT GRATED	372165.938	5785197.164	900	900	450	31.448	525	31.398	33.259	1.861	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
21	SIDE ENTRY PIT GRATED	372169.626	5785221.334	900	900	450	31.743	450	31.693	33.628	1.935	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
						300	32.007					
22	JUNCTION PIT	372256.866	5785208.023	600	900	450	32.772	450	32.722	34.477	1.755	
23	JUNCTION PIT	372303.822	5785200.858	600	900	375	33.188	450	33.138	34.715	1.578	
24	JUNCTION PIT	372366.591	5785191.277	600	900	375	35.188	375	35.138	36.442	1.304	
						225	35.213					
25	JUNCTION PIT	372374.741	5785244.662	600	900	300	36.556	375	36.506	38.373	1.868	
25A	END PIPE	372377.758	5785264.426					300	37.000	37.926	0.926	BLOCK END OF PIPE WITH MARINE GRADE PLYWOOD FOR FUTURE EXTENTION
26	SIDE ENTRY PIT GRATED	372149.987	5785182.456	600	900			300	31.445	33.025	1.580	
27	SIDE ENTRY PIT GRATED	372161.074	5785222.639	600	900	225	32.104	300	32.054	33.638	1.584	
28	JUNCTION PIT	372133.790	5785226.802	600	900			225	32.788	33.689	0.901	
29	JUNCTION PIT	372365.087	5785181.394	600	900			225	35.432	36.172	0.740	
30	ENDWALL	372179.261	5785139.954			600	30.656			32.468	1.812	

PIT SCHEDULE

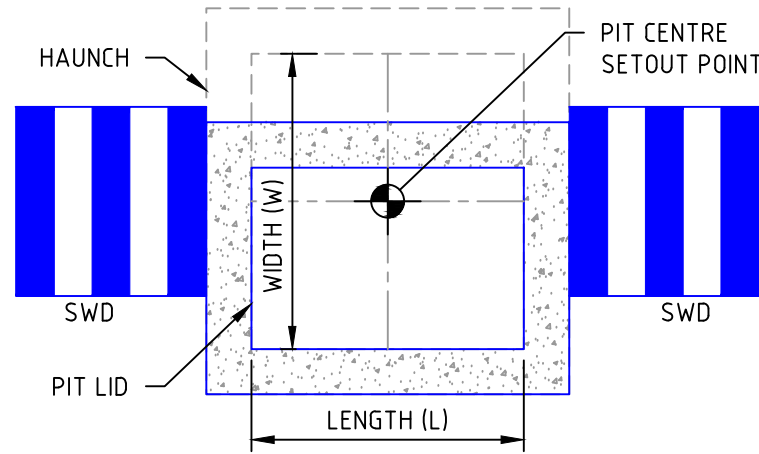
PIT NAME	TYPE	EASTING	NORTHING	INTERNAL WIDTH	INTERNAL LENGTH	INLET DIA	INLET IL	OUTLET DIA	OUTLET IL	PIT SETOUT RL	PIT DEPTH	REMARKS
31	SIDE ENTRY PIT GRATED	372180.316	5785146.870	900	900	600	30.843	600	30.793	32.570	1.777	HAUNCHED PIT
						225	30.980					
						300	30.938					
32	JUNCTION PIT	372184.146	5785168.995	1800	900	(2x)450	31.450	600	31.375	32.999	1.624	HAUNCHED PIT
33	SIDE ENTRY PIT GRATED	372192.395	5785175.982	600	1800	(2x)450	31.516	(2x)450	31.516	33.239	1.723	HAUNCHED PIT
34	SIDE ENTRY PIT GRATED	372193.575	5785184.551	900	1500	600	31.568	(2x)450	31.568	33.229	1.662	HAUNCHED PIT
						300	31.643					
35	SIDE ENTRY PIT GRATED	372265.321	5785173.604	900	900	600	31.976	600	31.923	33.592	1.669	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
						300	32.073					
36	SIDE ENTRY PIT GRATED	372333.512	5785163.199	900	900	450	32.365	600	32.290	34.059	1.769	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
						300	32.440					
37	SIDE ENTRY PIT GRATED	372390.734	5785154.468	900	900	300	33.809	450	33.759	35.466	1.707	HAUNCHED PIT (HAUNCHED TOWARDS ROAD)
38	SIDE ENTRY PIT GRATED	372389.429	5785145.917	600	900			300	33.896	35.473	1.577	
39	JUNCTION PIT	372224.257	5785140.165	600	900			225	32.192	32.962	0.769	
40	SIDE ENTRY PIT GRATED	372171.468	5785148.220	600	900			300	30.986	32.562	1.576	
41	SIDE ENTRY PIT GRATED	372172.915	5785187.854	600	900			300	31.755	33.134	1.379	
42	SIDE ENTRY PIT GRATED	372264.016	5785165.053	600	900			300	32.120	33.600	1.480	
43	SIDE ENTRY PIT GRATED	372332.227	5785154.645	600	900			300	32.587	34.061	1.474	
44	ENDWALL	372354.227	5785110.218			225	33.184			33.628	0.444	
45	JUNCTION PIT	372357.169	5785129.495	600	900			225	33.711	34.515	0.804	
46	ENDWALL	372250.288	5785129.112			300	31.100			32.770	1.670	
47	SIDE ENTRY PIT GRATED	372251.615	5785137.812	600	900	300	31.209	300	31.159	32.902	1.744	
48	SIDE ENTRY PIT GRATED	372242.916	5785139.139	600	900			300	31.256	32.902	1.647	
49	ENDWALL	372278.025	5785127.915			300	32.134			33.140	1.006	
50	JUNCTION PIT	372278.628	5785131.869	600	900	225	32.227	300	32.177	33.252	1.075	
						225	32.239					
51	JUNCTION PIT	372292.468	5785129.757	600	900			225	32.534	33.358	0.824	
52	JUNCTION PIT	372269.731	5785133.227	600	900			225	32.309	33.181	0.872	
53	ENDWALL	372318.046	5785115.741			300	31.484			33.142	1.659	
54	SIDE ENTRY PIT GRATED	372318.951	5785121.670	600	900	300	31.560	300	31.516	33.184	1.668	
						225	31.566					
55	SIDE ENTRY PIT GRATED	372310.252	5785122.998	600	900			300	31.608	33.182	1.574	

NOTES:

1. ALL PITS ARE TO BE TO VPA STANDARDS UNLESS NOTED OTHERWISE.
2. PITS DEEPER THAN 100m SHALL BE FILLED WITH STEPIRONS, FIRST STEPIRON TO BE 300mm FROM THE BOTTOM OF THE PIT.
3. COVER LEVELS TO BE SET TO MATCH THE FINISHED SURFACE PROFILES AND ADJACENT CONSTRUCTION.
4. UNLESS OTHERWISE SPECIFIED, PIT TYPES REFER TO VICTORIAN PLANNING AUTHORITY STANDARD DRAWINGS
 - FIGURE EDCM 601 SIDE ENTRY PIT GRATED B2 KERB AND CHANNEL
 - FIGURE EDCM 602 DOUBLE SIDE ENTRY PIT GRATED B2 KERB AND CHANNEL
 - FIGURE EDCM 603 SIDE ENTRY PIT GRATED SM2 KERB AND CHANNEL
 - FIGURE EDCM 605 JUNCTION PIT
5. FOR HAUNCHED PITS REFER VPA STANDARD DRAWING FIGURE EDCM 607 & EDCM 608. PITS TO BE HAUNCHED TO COUNCIL STANDARD OPENINGS.
6. STUBS AND PIPE ENDS TO BE BLOCKED OFF TO COUNCIL'S SATISFACTION.
7. ALL GRATED PITS TO HAVE BICYCLE SAFE LOCKDOWN GRATES.
8. ALL GRATED SIDE-ENTRY PITS TO HAVE MIN 100mm THICK CONCRETE APRON BETWEEN GRATE AND ASPHALT. REFER VPA STANDARD DRAWINGS.
9. PIT LIDS TO BE IN ACCORDANCE WITH VPA STANDARD DRAWING EDCM 605.
10. PITS WITHIN ROAD PAVEMENT, VEHICLE CROSSINGS OR WITHIN 0.75m OF A VEHICLE CROSSING, TO HAVE CLASS D CAST IRON LOCK DOWN LIDS.
11. ALL PITS WITHIN ROAD TO BE CONSTRUCTED WITH 32 MPa CONCRETE WITH SL92 MESH IN WALLS AND BASE.
12. CONTRACTOR TO VERIFY EXISTING SERVICES CONNECTION LEVELS PRIOR TO CONSTRUCTION. ANY DISCREPANCIES MUST BE IMMEDIATELY IDENTIFIED AND THE SUPERINTENDENT NOTIFIED PRIOR TO CONSTRUCTION COMMENCING.
13. REFER TO RELEVANT AUTHORITY STANDARDS FOR PIT INTERFACE WITH KERB & CHANNEL.



TYPICAL DRAINAGE PIT SETOUT DETAIL



TYPICAL HAUNCH PIT SETOUT DETAIL


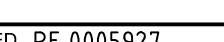
C	09.05.25	MA	<i>Amelio</i>	<i>Ken</i>	RE-ISSUED FOR COUNCIL APPROVAL
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APPROVED PE 0005927 	DESIGNED W. SANSOM
	SCALE AS SHOWN

PROJECT	KALA ESTATE - STAGE 01		
TITLE	DRAINAGE PIT SCHEDULE		
MUNICIPALITY	CARDINIA SHIRE COUNCIL		
APP No.	T220227	DRAWING No.	3086-01-420
			REVISION C

A1