

OFFICER CENTRAL STAGE 3A YOURLAND PTY LTD

GENERAL NOTES:

SURVEY

- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 94, ZONE 55.
- ALL EXISTING SURFACE LEVELS SHOWN ON THE ENGINEERING DRAWINGS HAVE BEEN INTERPOLATED FROM A DIGITAL TERRAIN MODEL. THESE LEVELS HAVE BEEN USED AS THE BASIS FOR ALL ENGINEERING DESIGN AND DETERMINATION OF QUANTITIES AND ARE ACCURATE TO WITHIN ±0.05m.
- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH AS2124-1992 GENERAL CONDITIONS OF CONTRACT, THE ROAD & DRAINAGE SPECIFICATION, APPROVED MUNICIPALITY SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE SUPERINTENDENT AND THE MUNICIPAL ENGINEER OR HIS REPRESENTATIVE.
- ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB.

EARTHWORKS

- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- WHERE REQUIRED ANY BUILDINGS, TRENCHES, FENCES AND OTHER STRUCTURES ON SITE ARE TO BE REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL IS TO BE INCLUDED IN THE OVERALL EARTHWORKS FIGURE UNLESS A SPECIFIC ITEM FOR REMOVAL IS DENOTED IN THE SCHEDULE.
- ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
- ALL FILLING ON LOTS AND WITHIN ROAD RESERVES GREATER THAN 200mm IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.
- FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
- ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
- NO FILL OR STOCKPILING OF MATERIAL IS TO BE PLACED ON ANY RESERVE FOR PUBLIC OPEN SPACE UNLESS OTHERWISE DIRECTED OR APPROVED BY THE SUPERINTENDENT.
- TBM'S TO BE RE-ESTABLISHED BY THE LICENSED SURVEYOR IF FOUND TO BE MISSING AT THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR CARE AND MAINTENANCE OF T.B.M.'S THEREAFTER.
- AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 150m DEEP, A NOTIFICATION FORM MUST BE SENT TO WORKSAFE. THE CONTRACTOR IS TO COMPLY WITH WORKSAFE, THE MINES (TRENCHES) REGULATION 1982, THE MINES ACT 1958 AND OCCUPATIONAL HEALTH AND SAFETY ACT 1985, 2004.
- ALL SERVICE TRENCHES UNDER DRIVEWAYS, FOOTPATHS AND PARKING BAYS TO BE BACKFILLED WITH CLASS 2 CRUSHED ROCK. SERVICE TRENCHES LESS THAN 750mm BEHIND KERB AND CHANNEL OR PAVED TRAFFIC AREAS ARE ALSO TO BE BACKFILLED WITH COMPACTED CLASS 2 CRUSHED ROCK.

- WHERE REQUIRED, ALL EXISTING DAMS, DEPRESSIONS AND DRAINS ARE TO BE BREACHED, DRAINED, DESLUGGED AND SHALL BE EXCAVATED TO A CLEAN FIRM BASE. THE SURFACE SHALL BE INSPECTED, APPROVED AND LEVELED BY THE ENGINEER PRIOR TO COMMENCEMENT OF FILLING. THE FILL SHALL BE APPROVED SELECTED ON SITE MATERIAL OR APPROVED IMPORTED MATERIAL. THE FILL SHALL BE PLACED UNDER CONTROLLED MOISTURE CONDITIONS IN ACCORDANCE WITH THE SPECIFICATION.
- NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCIL'S PERMISSION.

SERVICES

- GAS AND WATER CONDUITS ARE TO BE:
Ø50mm - CLASS 12 P.V.C. - SINGLE SERVICE
Ø100mm - CLASS 12 P.V.C. - DUAL SERVICE (DRINKING AND NON DRINKING WATER)

WITH THE FOLLOWING MINIMUM COVER TO FINISHED SURFACE LEVELS:
ROAD PAVEMENT - 0.80m
VERGE, FOOTPATHS - 0.45m

LOCATION OF THE CONDUITS TO BE MARKED ON THE FACE OF KERB ON EACH SIDE OF THE ROAD WITH A 50mm HIGH LETTER (G FOR GAS, W FOR WATER, E FOR ELECTRICITY AND T FOR TELECOMMUNICATIONS).

- ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.

STORM WATER DRAINAGE

- AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
- ALL STORMWATER DRAINS ARE TO BE CLASS '2' R.C. PIPES UNLESS OTHERWISE SHOWN. ALL R.C. JOINTS ARE TO BE RUBBER RING JOINTED (R.R.J.) UNLESS OTHERWISE SHOWN.
- CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.3m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.

- WHERE CURVED PIPES ARE SHOWN ON THE FACE PLANS THEY ARE TO BE LAID PARALLEL TO THE BACK OF KERB, EXCEPT WHERE A RADIUS HAS BEEN SPECIFICALLY NOMINATED. CURVED PIPES ARE TO BE APPROVED BY COUNCIL AND IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.
- CCTV RESULTS FOR THE FULL LENGTH OF ALL STORMWATER DRAINAGE PIPES WHERE CARDINIA SHIRE COUNCIL IS RESPONSIBLE AUTHORITY MUST BE SUBMITTED FOR ASSESSMENT. SUBMITTED INFORMATION IS TO BE TO THE SATISFACTION OF THE RESPONSIBLE AUTHORITY. CCTV FOOTAGE TO BE PROVIDED BY CONTRACTOR BEFORE THE ROADS ARE PRIMED AND / OR ASPHALTED. ALL DAMAGED PIPES UNDER ROADS MUST BE REPAIRED AND INSPECTED PRIOR TO THE PRIMING AND ASPHALTING OF THE ROAD AND BEFORE A CERTIFICATE OF PRACTICAL COMPLETION IS ISSUED.

PAVEMENT

- PAVEMENT DEPTHS MAY BE MODIFIED AS DIRECTED BY THE SUPERINTENDENT. PAVEMENT TO BE BOXED OUT TO MINIMUM DEPTH DENOTED, INSPECTED AND IF SUBGRADE IS IN QUESTION, FURTHER TESTING CARRIED OUT TO DETERMINE FINAL PAVEMENT DEPTH.
- WHERE PAVEMENT IS CONSTRUCTED ON FILLING, FILL MATERIAL IS TO BE APPROVED BY THE SUPERINTENDENT AND COUNCIL. FILLING TO BE CONSTRUCTED IN LAYERS 150mm THICK WITH COMPACTION ACHIEVING 95% AUSTRALIAN STANDARD DENSITY.
- WHEN PAVEMENT EXCAVATION IS IN ROCK ALL LOOSE MATERIAL (INCLUDING ROCKS AND CLAY) MUST BE REMOVED. THE SUB-GRADE MUST THEN BE REGULATED WITH COUNCIL APPROVED MATERIAL.

SIGNAGE AND LINEMARKING

- LINEMARKING AND SIGNAGE TO BE INSTALLED IN ACCORDANCE WITH AS 1742 SERIES UNLESS NOTED OTHERWISE. STREET SIGNS ARE TO BE INSTALLED IN ACCORDANCE WITH COUNCIL STANDARDS.
- ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
- TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

ENVIRONMENTAL

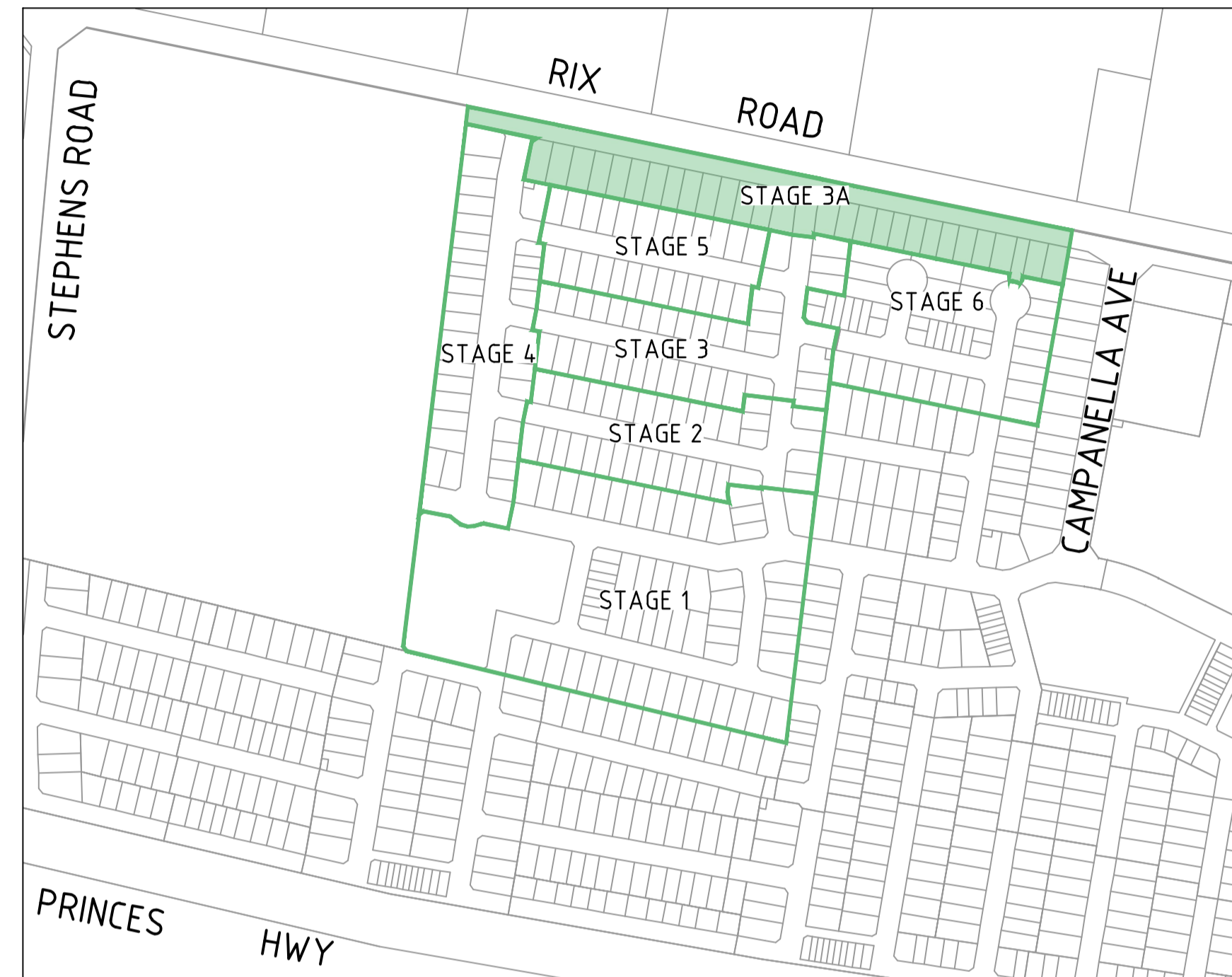
- CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
- ALL TREES AND SHRUBS ARE TO BE RETAINED UNLESS OTHERWISE SHOWN. IF ROAD AND DRAINAGE CONSTRUCTION NECESSITATES THEIR REMOVAL, WRITTEN PERMISSION MUST BE OBTAINED FROM THE SUPERINTENDENT.
- TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.

MISCELLANEOUS

- PROVIDE REFLECTIVE STREET NUMBER MARKERS ON THE KERB IN FRONT OF EACH LOT TO THE SATISFACTION OF COUNCIL.
- UPON COMPLETION OF THE CIVIL WORKS, THE CONTRACTOR SHALL PROVIDE AS CONSTRUCTED PLANS IN AUTOCAD, D-SPEC AND R-SPEC DIGITAL FORMAT TO COUNCIL'S REQUIREMENTS AND TO THE SATISFACTION OF ALL PARTIES.
- HOUSE DRAIN LOCATIONS ARE TO BE STAMPED ON THE KERB FACE IN ACCORDANCE WITH VPA EDM303.
- CONTRACTOR TO REFER TO AND COMPLY WITH CHMP / F&F REPORTS PROVIDED IN CONTRACT DOCUMENTS.



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.



LOCALITY PLAN
MELWAY: 214 F5

H 14,000
SCALE @ A1

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES - FACE SHEET	1	5
CR200	ROAD LAYOUT PLANS - FACE SHEET	2	5
CR201	ROAD LAYOUT PLANS - SERVICES PLAN	3	1
CR202	ROAD LAYOUT PLANS - EARTHWORKS PLAN	4	1
CR300	ROAD LONG SECTIONS - SHEET 1	5	1
CR301	ROAD LONG SECTIONS - SHEET 2	6	1
CR400	ROAD CROSS SECTIONS - SHEET 1	7	1
CR401	ROAD CROSS SECTIONS - SHEET 2	8	1
CR402	ROAD CROSS SECTIONS - SHEET 3	9	1
CR403	ROAD CROSS SECTIONS - SHEET 4	10	1
CR404	ROAD CROSS SECTIONS - SHEET 5	11	1
CR500	INTERSECTION DETAILS - SHEET 1	12	1
CR501	INTERSECTION DETAILS - SHEET 2	13	1
CR502	INTERSECTION DETAILS - SHEET 3	14	1
CR503	INTERSECTION DETAILS - SHEET 4	15	2
CR600	DRAINAGE LONG SECTIONS - SHEET 1	16	1
CR601	DRAINAGE LONG SECTIONS - SHEET 2	17	2
CR700	PAVEMENT AND TYPICAL DETAILS	18	1
CR800	SIGNAGE AND LINEMARKING	19	5



LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER POTABLE	DW	DW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OPTIC FIBRE	OF	OF
GAS MAIN	G	G
SEWER & MAINTENANCE STRUCTURE	S	S
CENTRAL INVERT		
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN		
AG DRAIN	AG	AG
STORM WATER DRAINAGE PIT NUMBER	222	222
GAS & WATER CONDUITS	GW	GW
CONCRETE VEHICLE CROSSING		
SURFACE CONTOUR MINOR	-169.00	169.00
SURFACE CONTOUR MAJOR	-168.90	168.90
SURFACE LEVEL	E123.45 T124.80	F124.68 T124.80
BATTER LEVEL (TOP / TOE)		1 in 150
EARTHWORKS GRADE		
SIGN AND POST		
STREET SIGN		
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
ROAD CHAINAGES	CH116.57 (L/R)JTP CH116.57 CH20.06	CH116.57 (L/R)JTP CH116.57 CH20.06
LOT CHAINAGES		CH20.06
SETOUT POINT		
LIMIT OF WORKS		
BATTER		
EXCAVATION GREATER THAN 0.20m		
FILLING GREATER THAN 0.20m		
RETAINING WALL		
FENCES		
TREE (& SURVEYED CANOPY) TO BE RETAINED		
TREE TO BE PROTECTED		
TREE TO BE REMOVED		
VEGETATION LINE		
FOOTPATH		
TACTILE GROUND SURFACE INDICATOR		
KERB TRANSITION		B2 SM2

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Rev	Amendments	Approved	Date
5	AS CONSTRUCTED	B. W	27/04/23
4	DRAWINGS CR200 & CR800 REVISED	B.W	03/04/23
3	DRAWINGS CR200, CR503 AND CR800 REVISED	BW	31/03/23
2	REVISED CR200 AND CR800	B.W	29/09/22
1	REVISED CR200, CR601 & CR800	B.W	16/09/22
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED AS PER COUNCIL COMMENTS	B.W	25/07/22

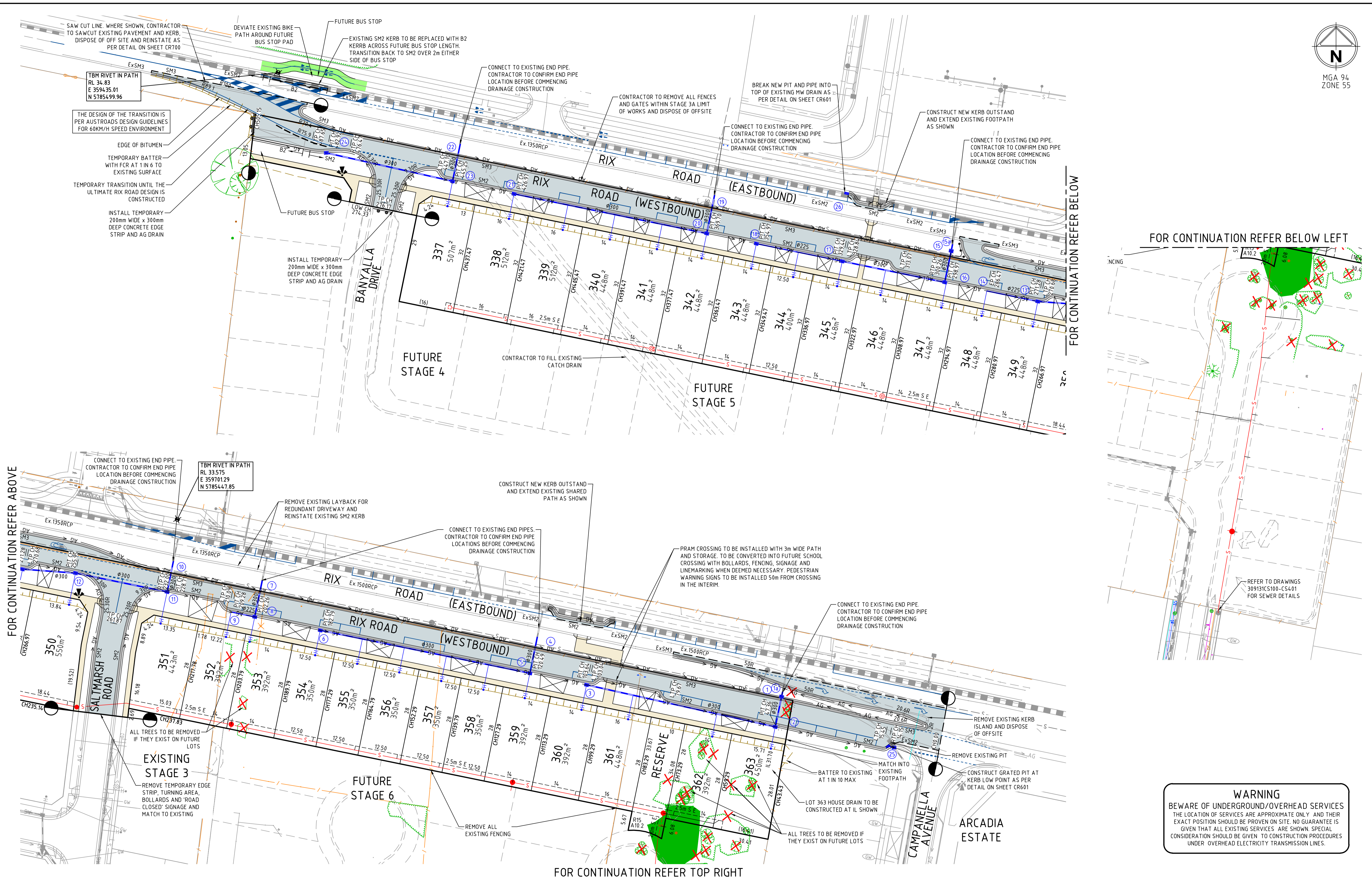
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YourLand Developments
Designed M. WRIGHT
Authorised B. WAREHAM
Checked T. ZAHLE
Date APR 2023

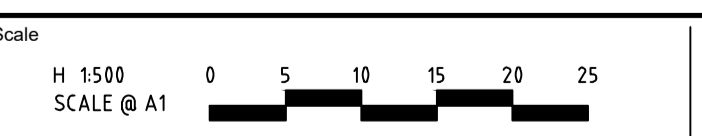
**OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
GENERAL NOTES - FACE SHEET**
CARDINIA SHIRE
YOURLAND PTY LTD
AS CONSTRUCTED
Drg No 309131CR100 Rev 5



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5	AS CONSTRUCTED	B. W	27/04/23
4	NOTE AND RADIUS' ADDED FOR TRANSITION CURVATURES	B.W	03/04/23
3	TEMPORARY PAVEMENT EDGE, LINEMARKING & BATTER REVISED	BW	31/03/23
2	REVISED PIT LABEL	B.W	29/09/22
1	REVISED LAYOUT PLANS	B.W	16/09/22
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED U-TURN LANE, KERB OUTSTANDS AND WEST KERB TRANSITION	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22
Rev	Amendments	Approved	Date



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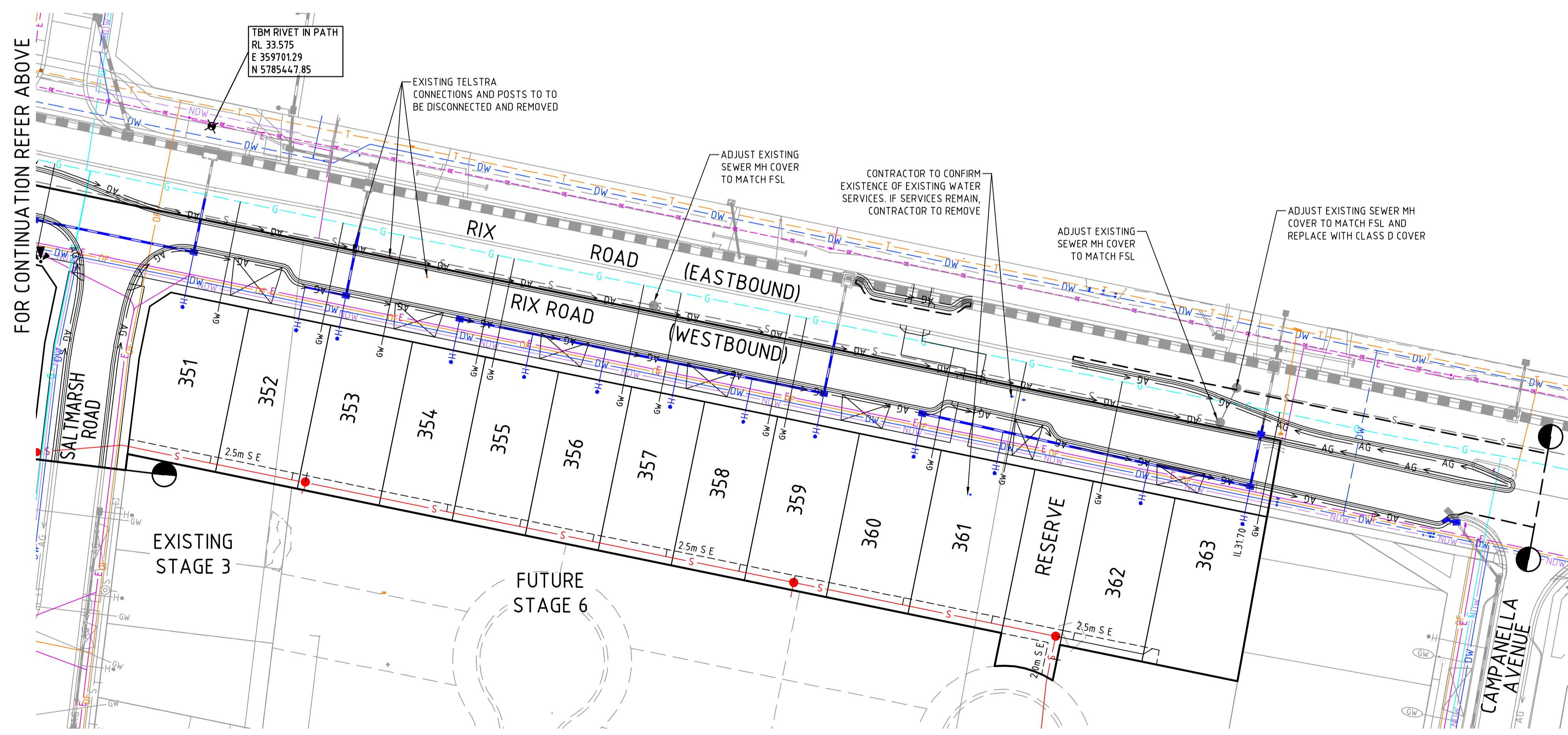
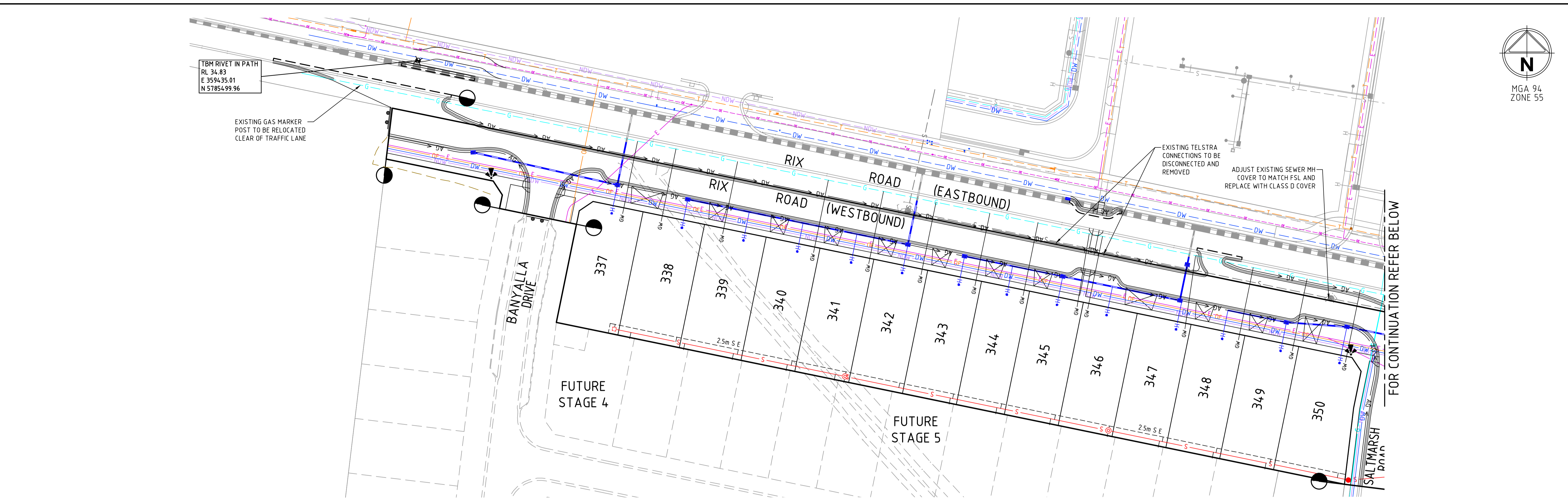
Date
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**OFFICER CENTRAL
 STAGE 3A
 ROAD AND DRAINAGE
 ROAD LAYOUT PLANS - FACE SHEET**
 CARDINIA SHIRE
 YOURLAND PTY LTD

AS CONSTRUCTED

Dwg No
309131CR200

Rev
5



SERVICE LOCATION TABLE

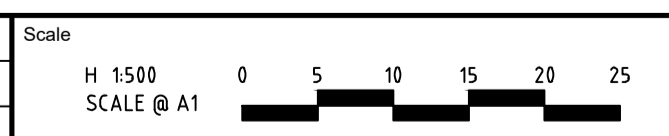
ROAD NAME	POTABLE WATER		GAS		RECYCLED WATER		ELECTRICITY				NBN (TELECOM)	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE		SIDE	OFFSET
							SIDE	OFFSET	SIDE	OFFSET		
RIX ROAD	S	2.75	S	Ex 3.9xx	S	2.25	N	3.00xx	S	3.65	S	3.25
SALT MARSH ROAD	W	2.525	W	1.70	W	2.10	E	0.9x	E	2.45	E	1.85
BANYALLA DRIVE	W (FUT)	3.55	W (FUT)	2.10	W (FUT)	2.80	E	0.9x	E	2.80	E	1.85

- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
- x = OFFSET FROM BACK OF KERB.
- xx = OFFSET FROM BACK OF KERB OF THE SOUTHERN MEDIAN.

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Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED U-TURN LANE, KERB OUTSTANDS AND WEST KERB TRANSITION	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



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Designed
M. WRIGHT

Checked
T. ZAHLE

Authorised
B. WAREHAM

Date
APR 2023

**OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - SERVICES PLAN**
CARDINIA SHIRE
YOURLAND PTY LTD

AS CONSTRUCTED Drg No 309131CR201 Rev 1

TBM RIVET IN PATH
RL 34.83
E 359435.01
N 5785499.96

TBM RIVET IN PATH
RL 33.575
E 35970129
N 5785447.85

FOR CONTINUATION REFER ABOVE

FOR CONTINUATION REFER BELOW

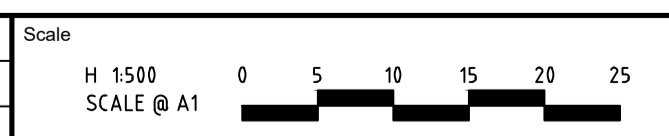


FILL GREATER THAN 200mm
 CUT GREATER THAN 200mm

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Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED U-TURN LANE, KERB OUTSTANDS AND WEST KERB TRANSITION	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



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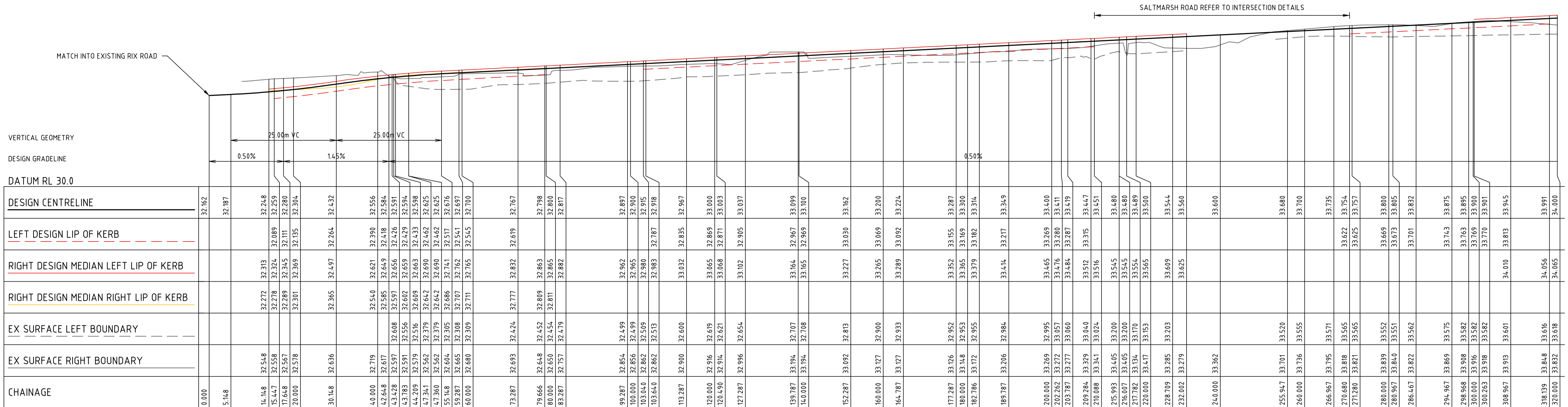


Designed
M. WRIGHT
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B. WAREHAM
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T. ZAHLE
Date
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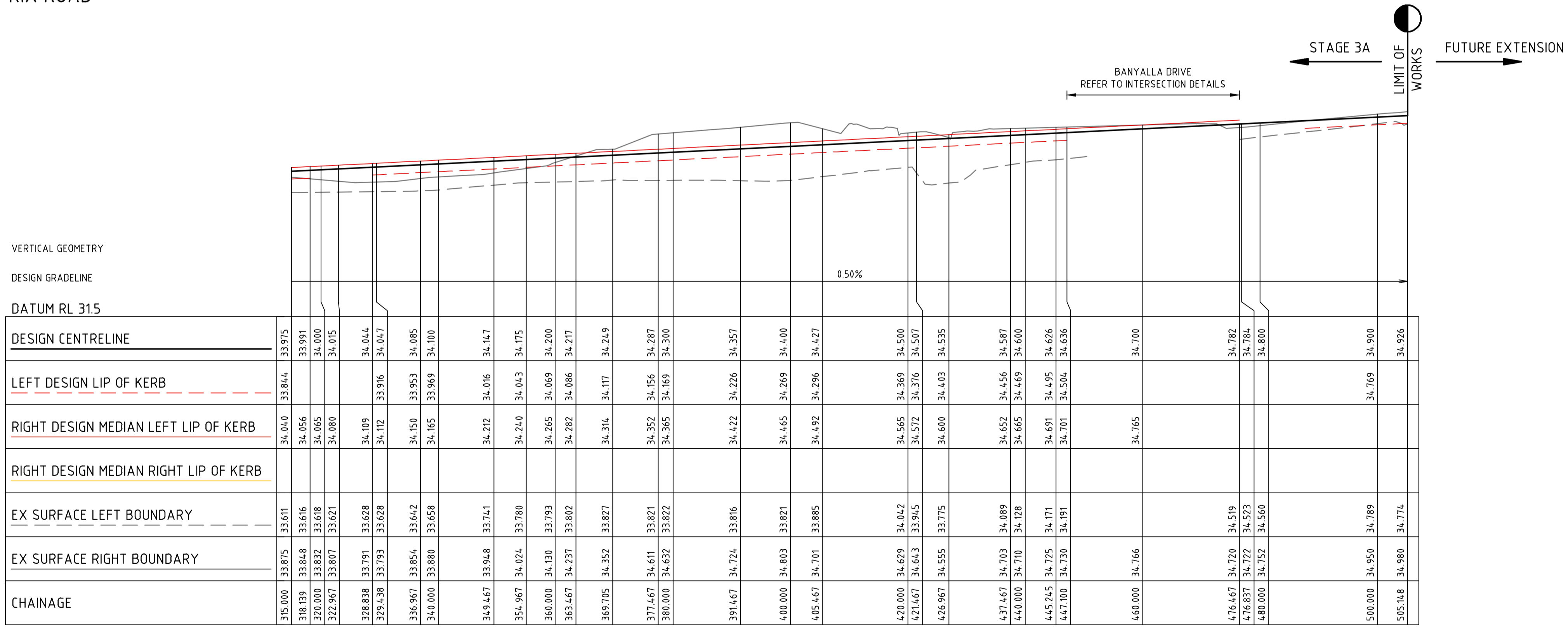
**OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - EARTHWORKS PLAN**
CARDINIA SHIRE
YOURLAND PTY LTD

AS CONSTRUCTED Drg No 309131CR202 Rev 1

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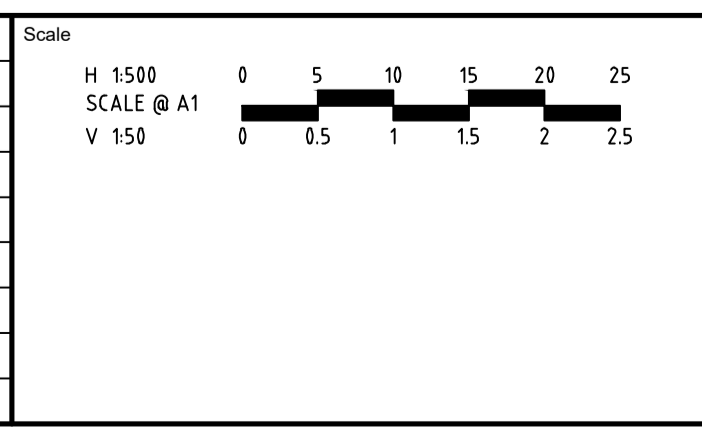


RIX ROAD



RIX ROAD

Rev	Description	By	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
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Designed: M. WRIGHT Checked: T. ZAHLE

 Authorised: B. WAREHAM Date: APR 2023

OFFICER CENTRAL

STAGE 3A

ROAD AND DRAINAGE

ROAD LONG SECTIONS - SHEET 1

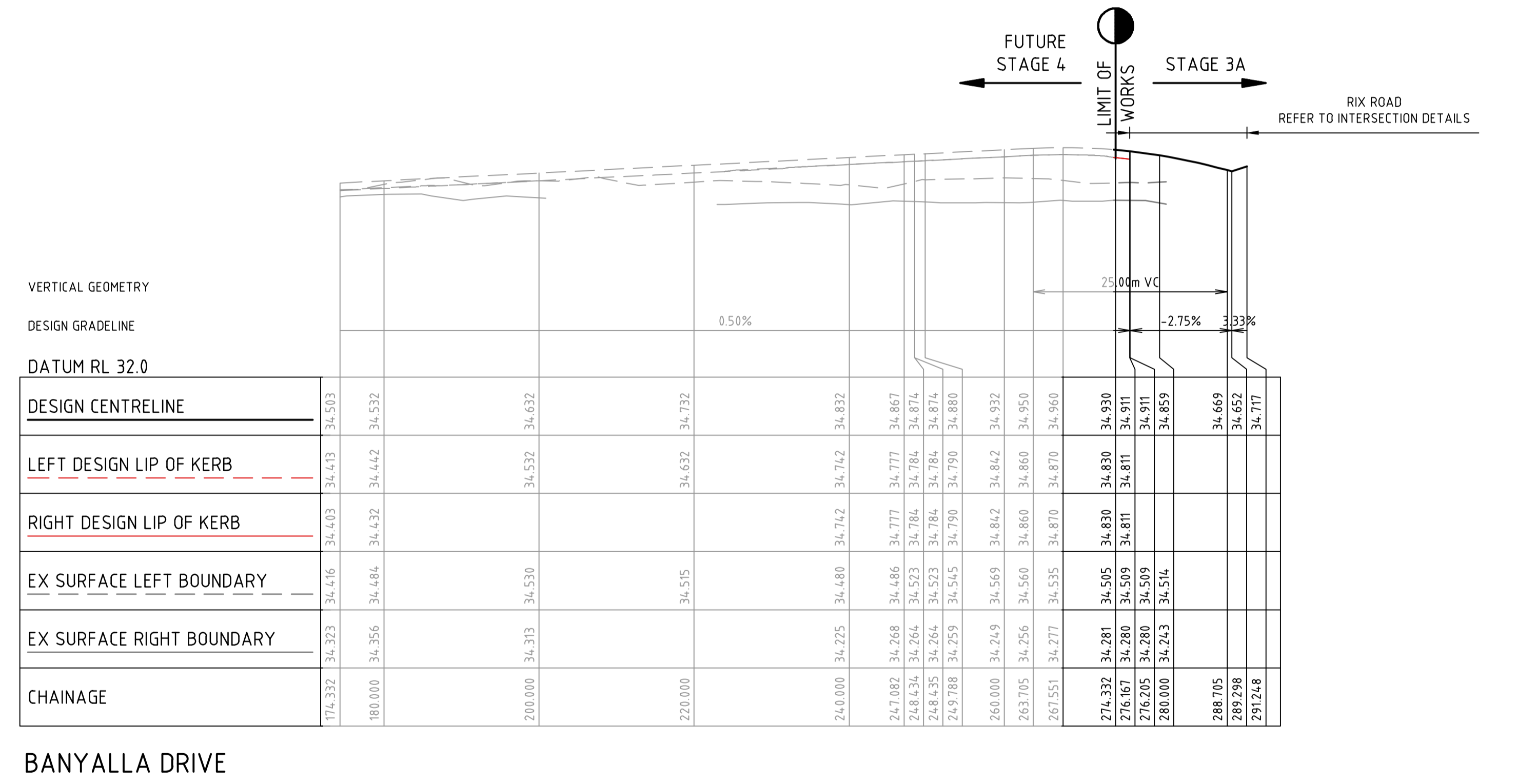
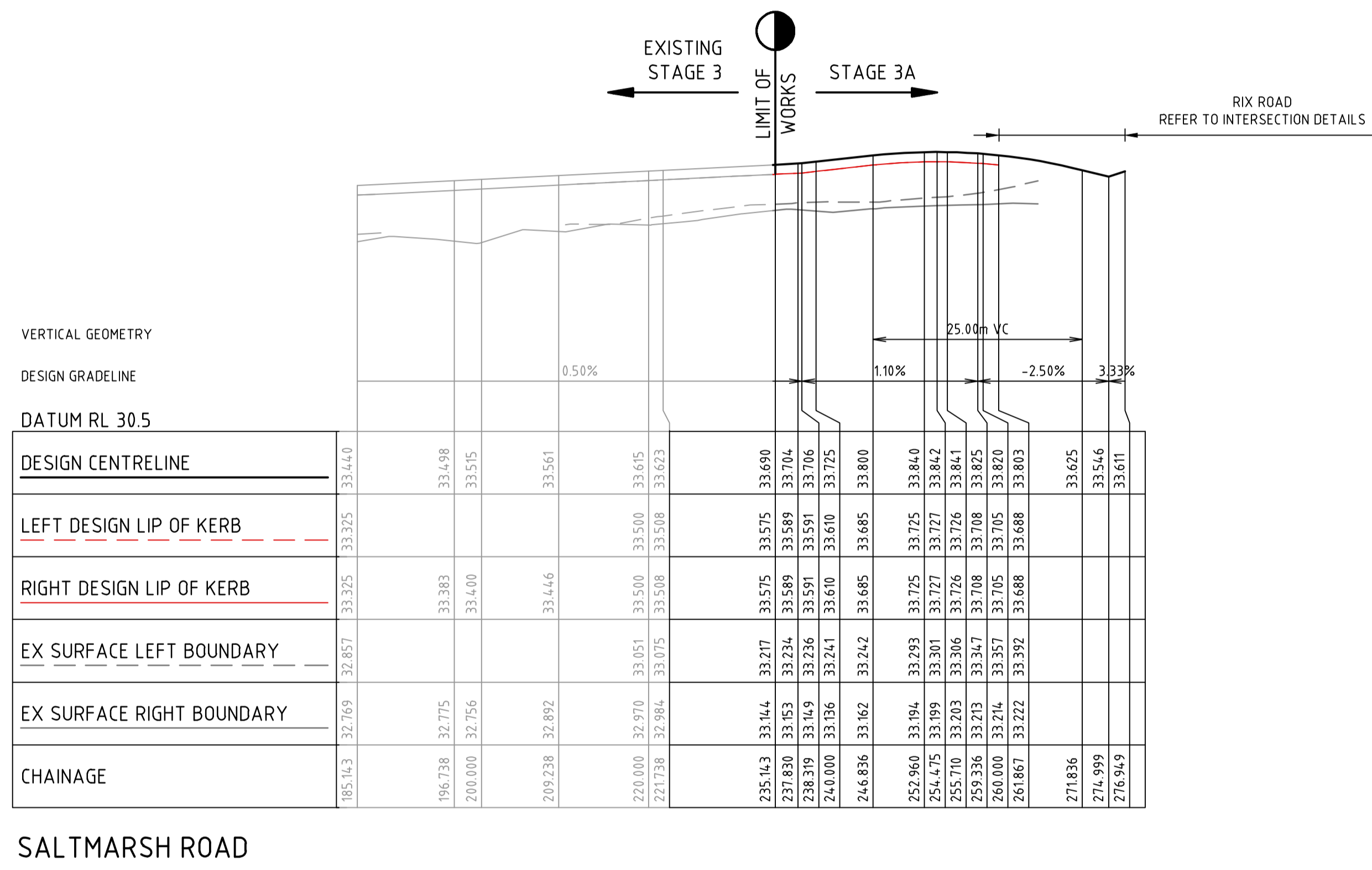
 CARDINIA SHIRE

 YOURLAND PTY LTD

AS CONSTRUCTED

 Drg No: 309131CR300 Rev: 1

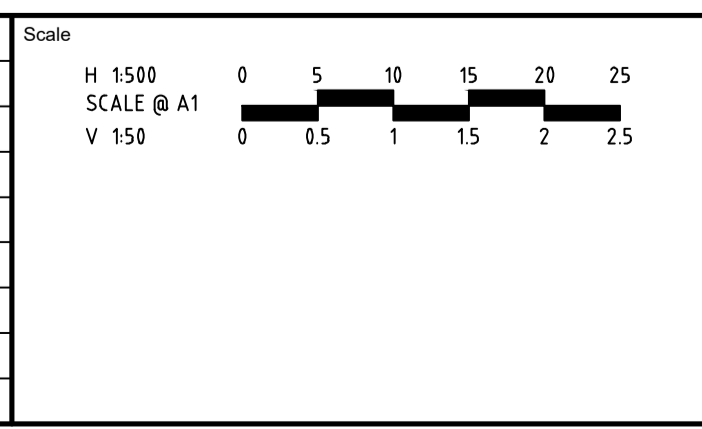
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SALTMARSH ROAD

BANYALLA DRIVE

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



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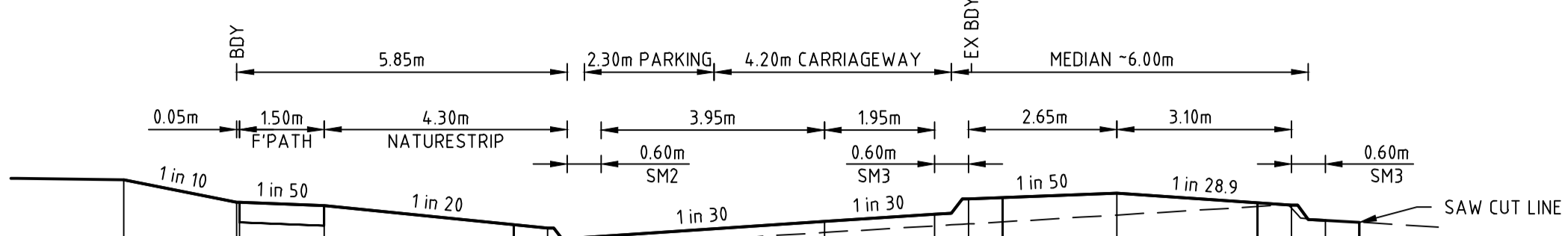
L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE
 VICTORIA 8007 AUSTRALIA T 61 3 9993 7888
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Designed M. WRIGHT
 Authorised B. WAREHAM
 Checked T. ZAHLE
 Date APR 2023

OFFICER CENTRAL
STAGE 3A
 ROAD AND DRAINAGE
 ROAD LONG SECTIONS - SHEET 2
 CARDINIA SHIRE
 YOURLAND PTY LTD
AS CONSTRUCTED

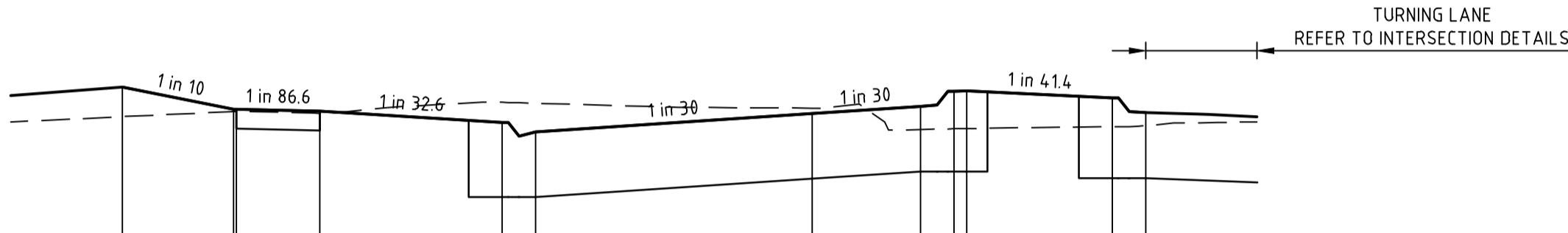
Drg No 309131CR301 Rev 1

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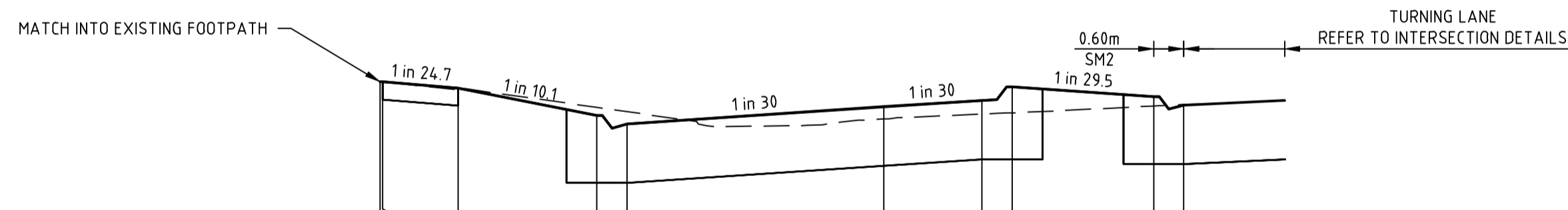
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EXISTING SURFACE LEVEL	32.448
OFFSET	-12.400

RIX ROAD CH 79.67



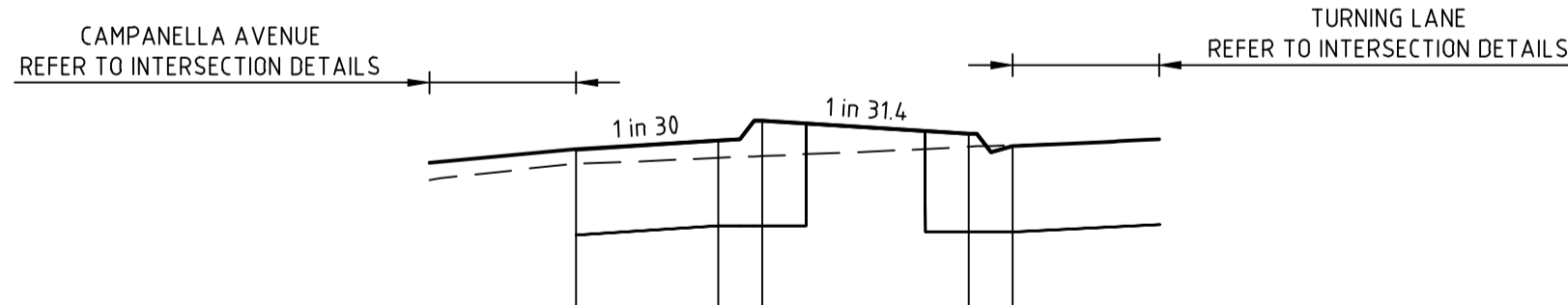
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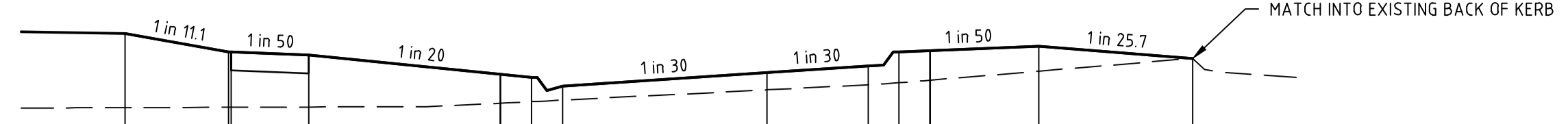
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RIX ROAD CH 15.45



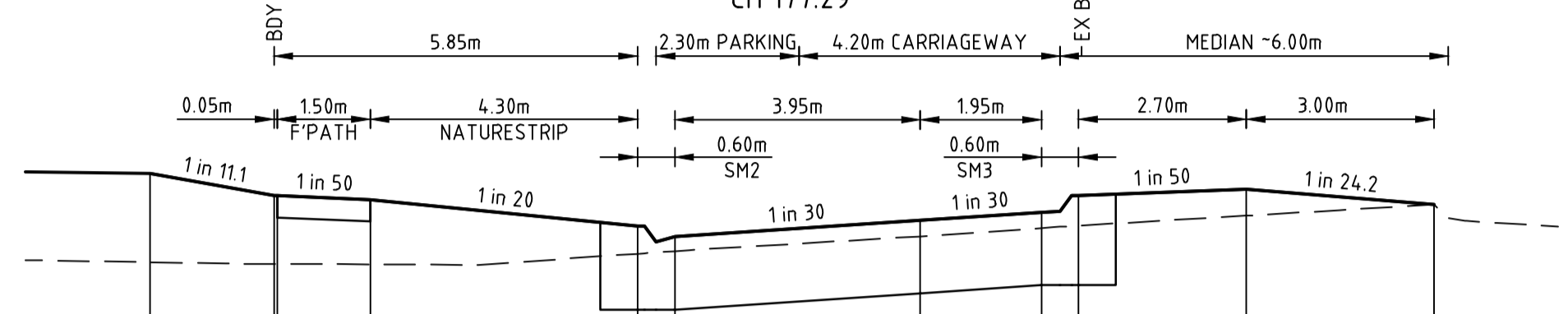
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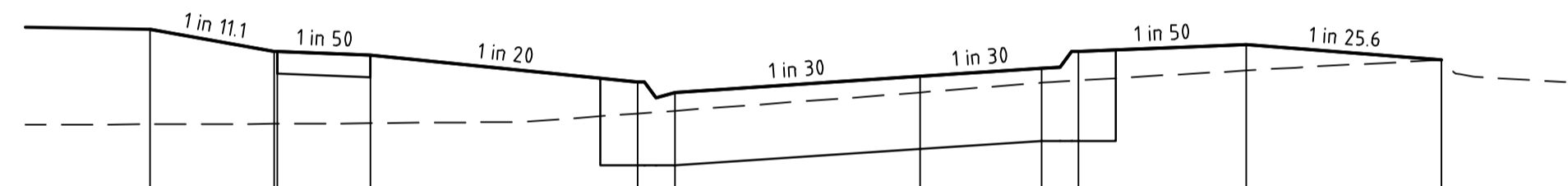
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RIX ROAD CH 177.29



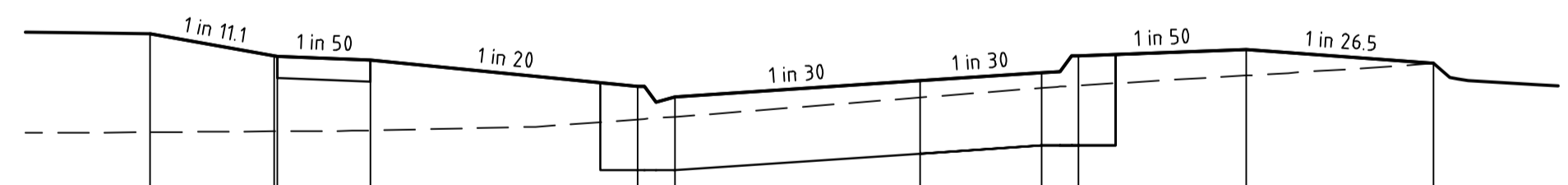
DATUM R.L.31.0	
DESIGN SURFACE LEVEL	33.541
EXISTING SURFACE LEVEL	32.825
OFFSET	-12.400

RIX ROAD CH 152.29



DATUM R.L.31.0	
DESIGN SURFACE LEVEL	33.416
EXISTING SURFACE LEVEL	32.651
OFFSET	-12.400

RIX ROAD CH 127.29

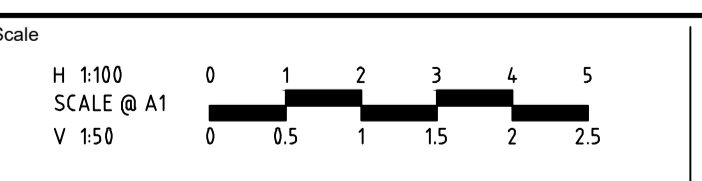


DATUM R.L.31.0	
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EXISTING SURFACE LEVEL	32.502
OFFSET	-12.400

RIX ROAD CH 103.04

file name: 309131CR400.dwg, layout: rsm, csl, 08/04/2023 8:49 AM Sheet 7 of 19 Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B. W	27/07/22
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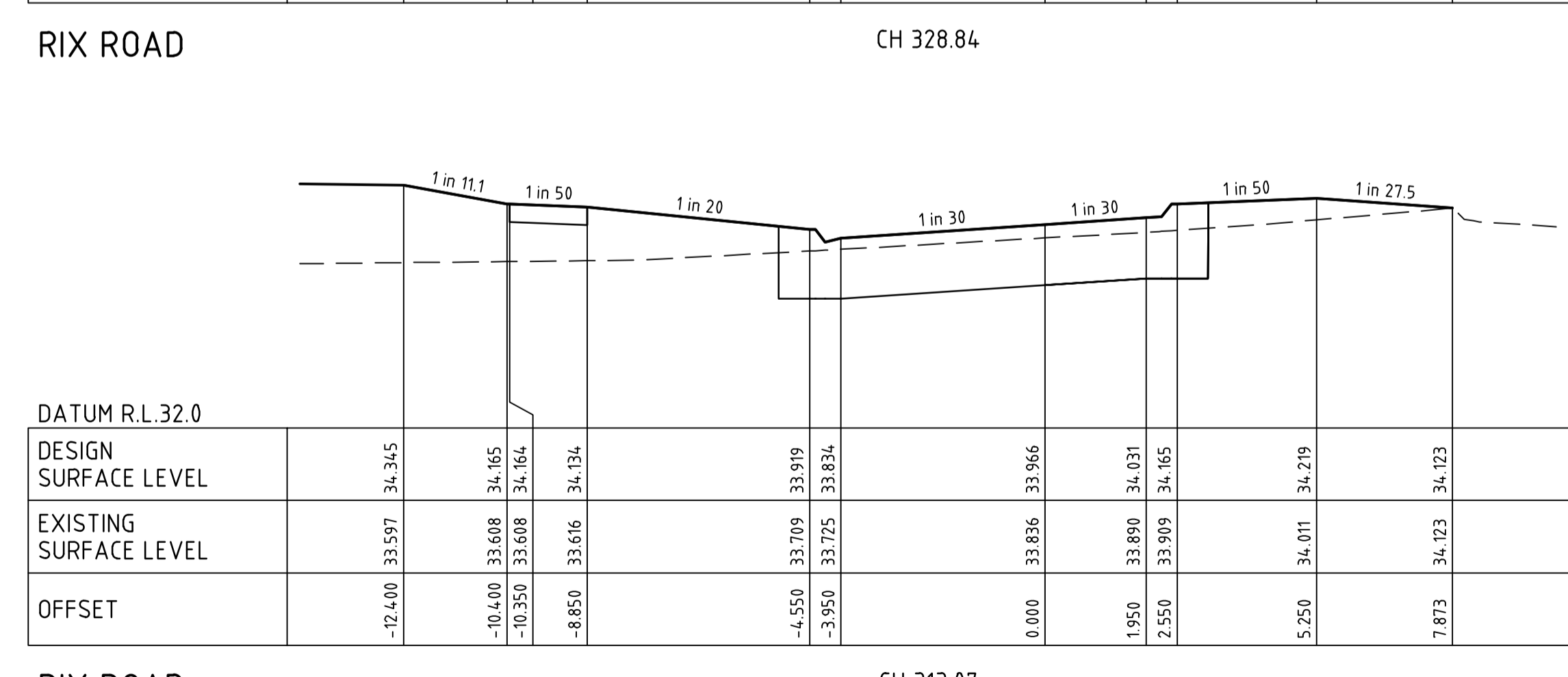
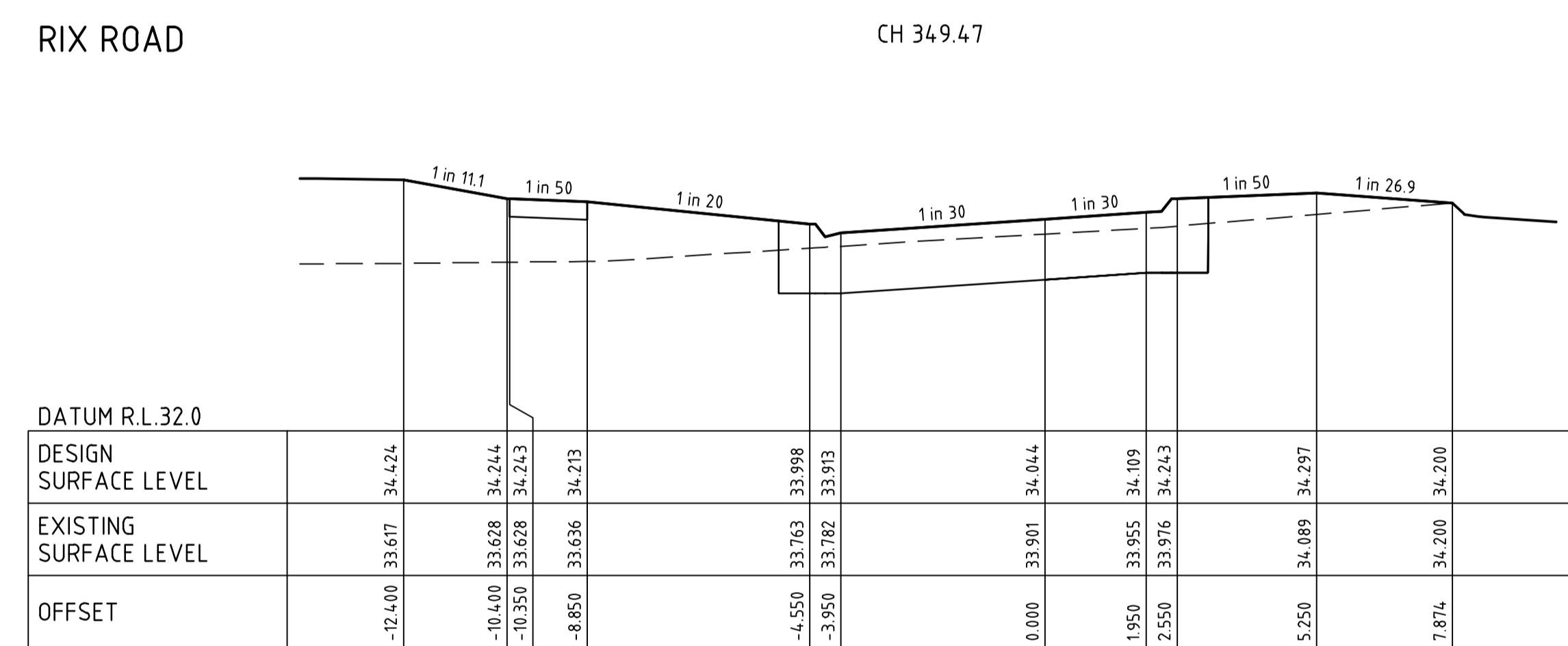
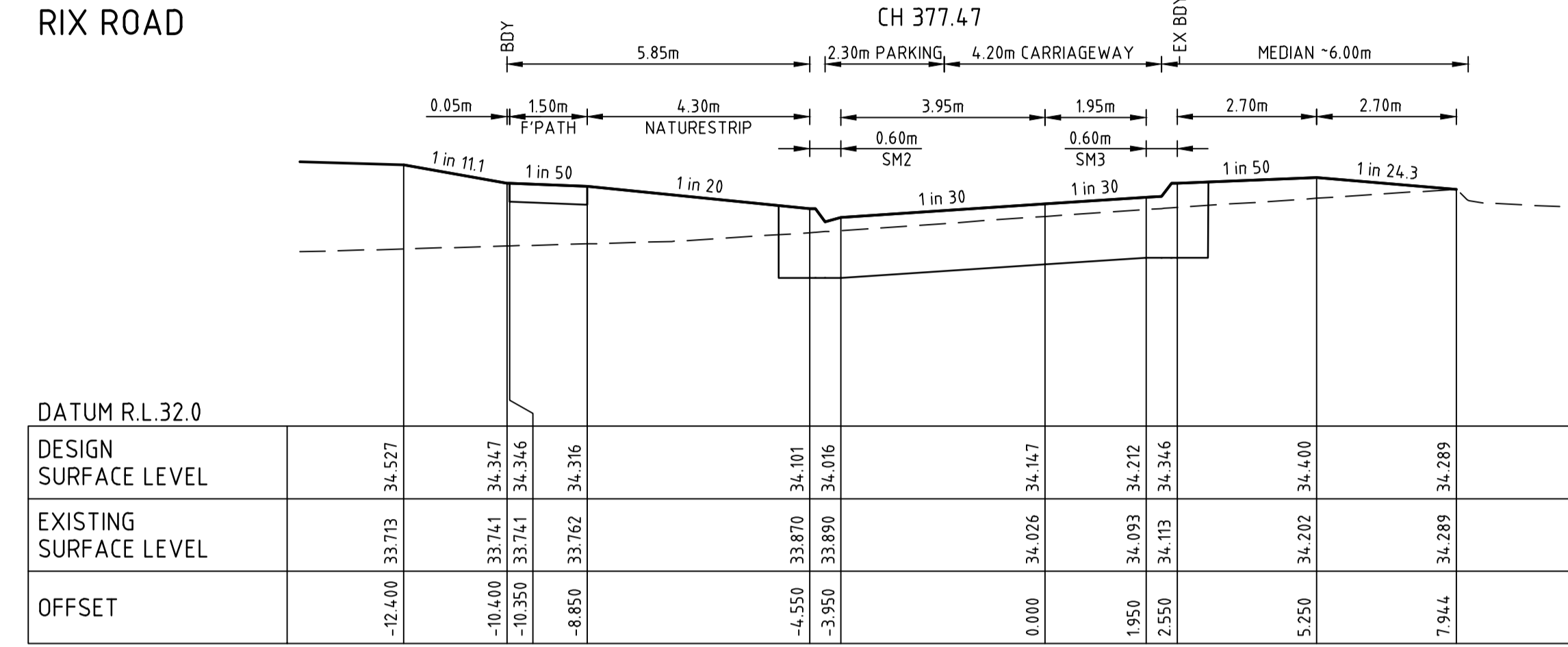
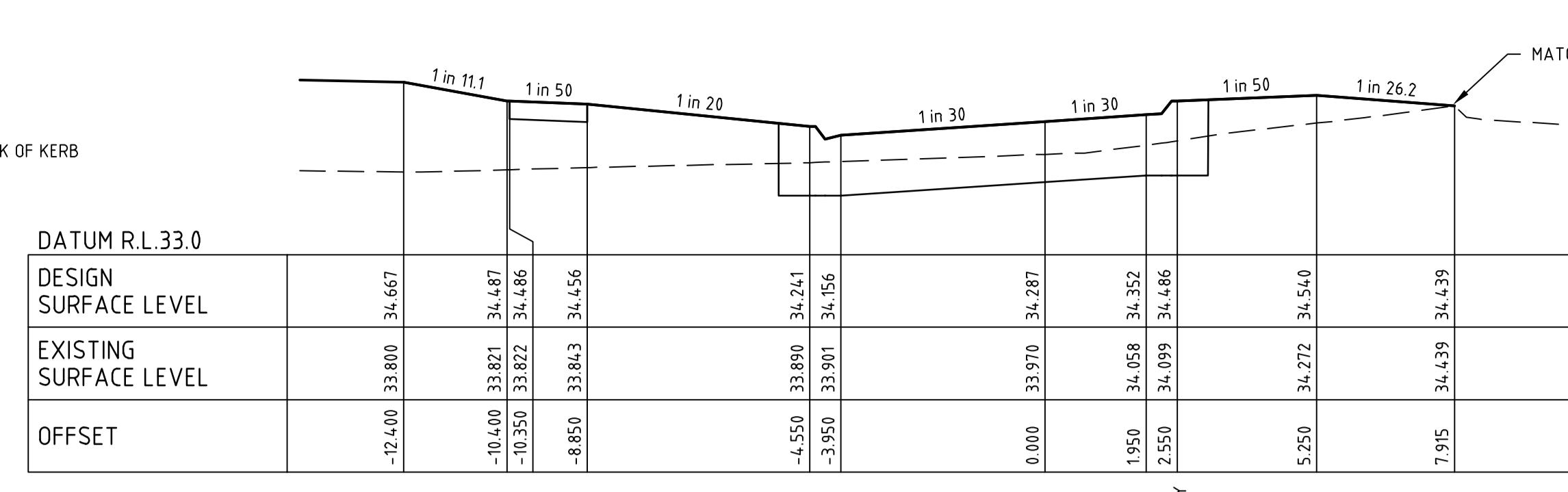
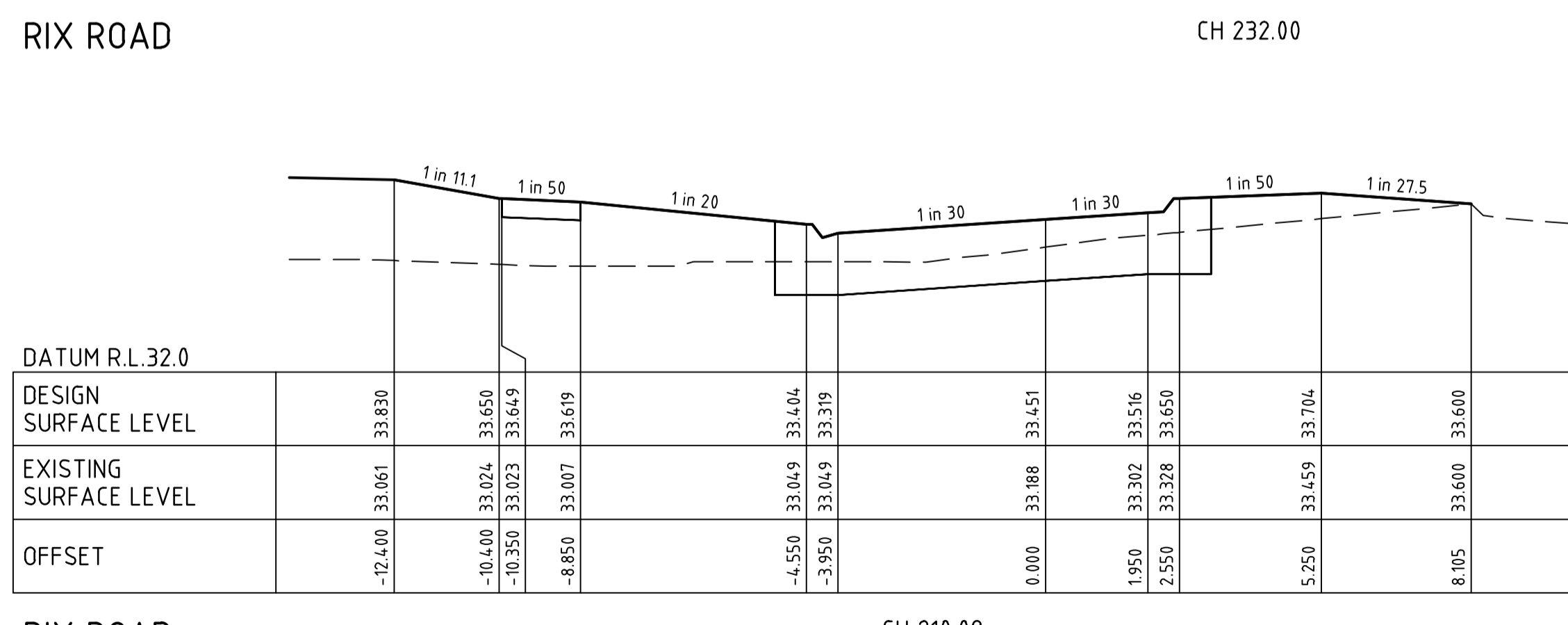
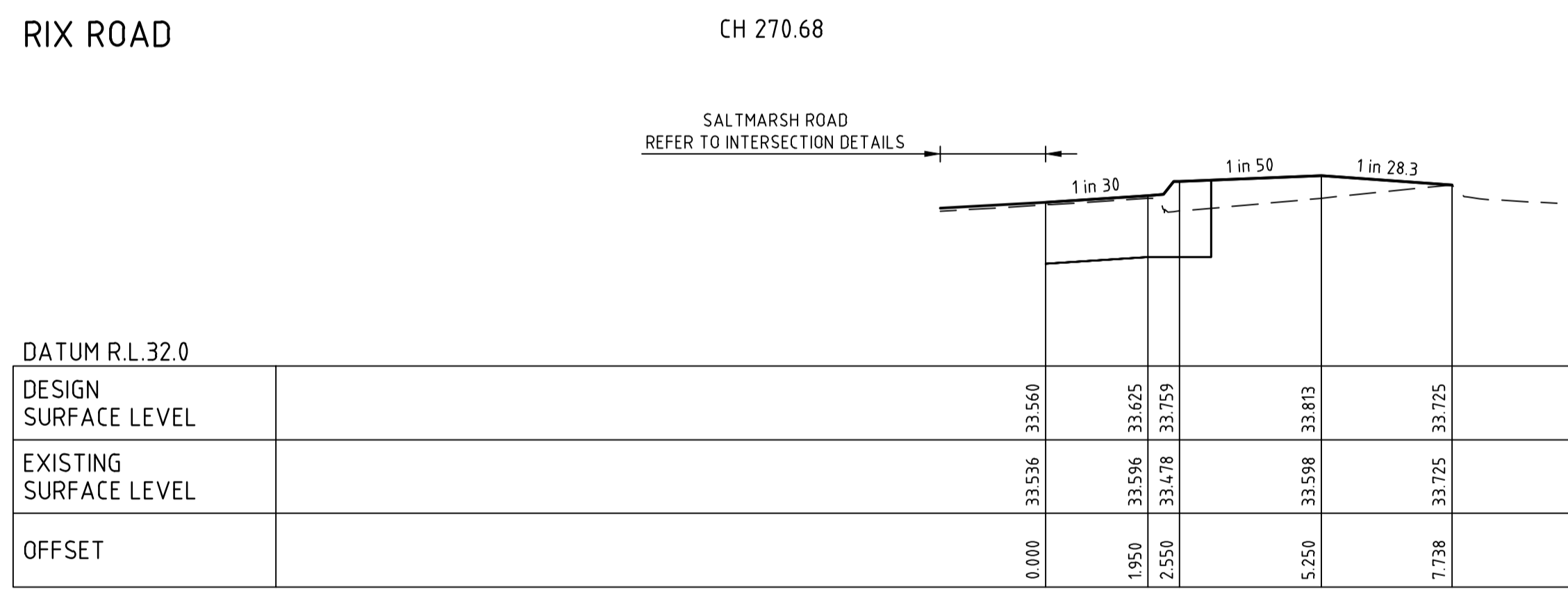
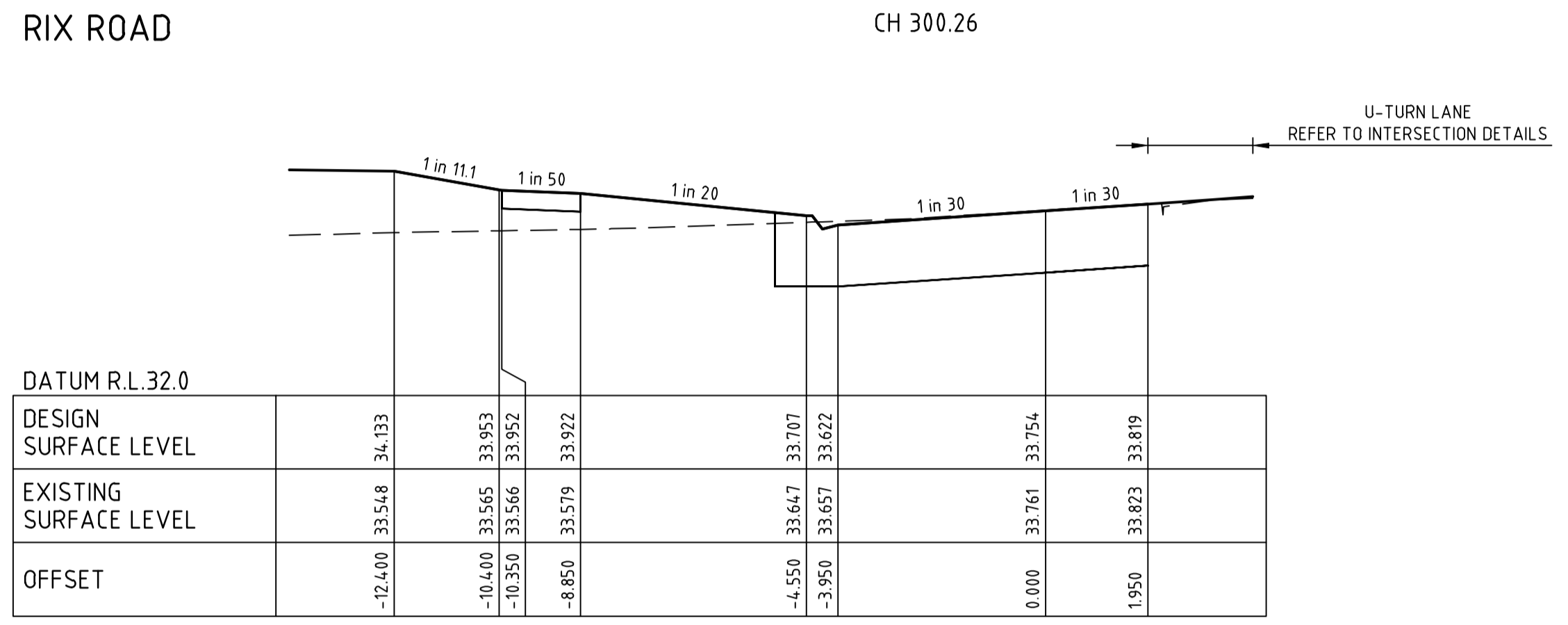
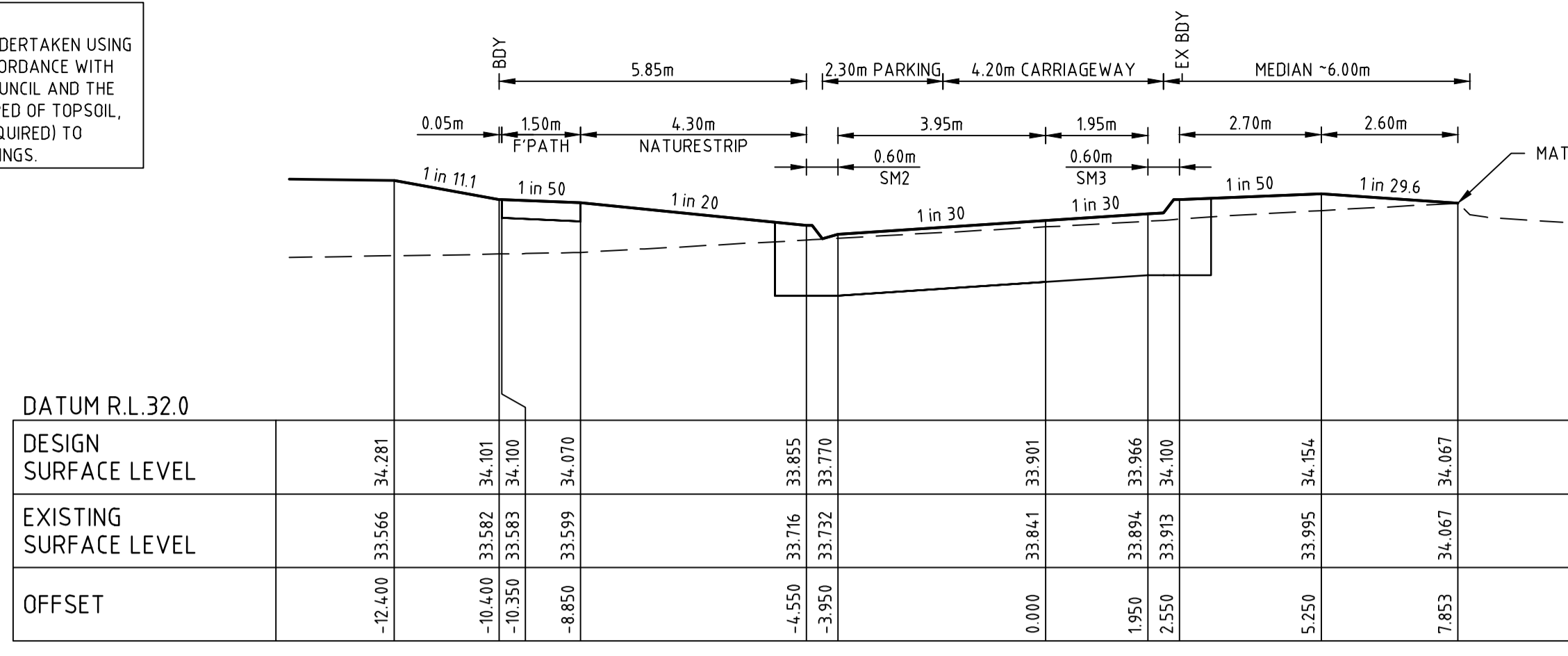


Designed
M. WRIGHT
 Authorised
B. WAREHAM
 Checked
T. ZAHLE
 Date
APR 2023

**OFFICER CENTRAL
 STAGE 3A
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 1
 CARDINIA SHIRE
 YOURLAND PTY LTD**

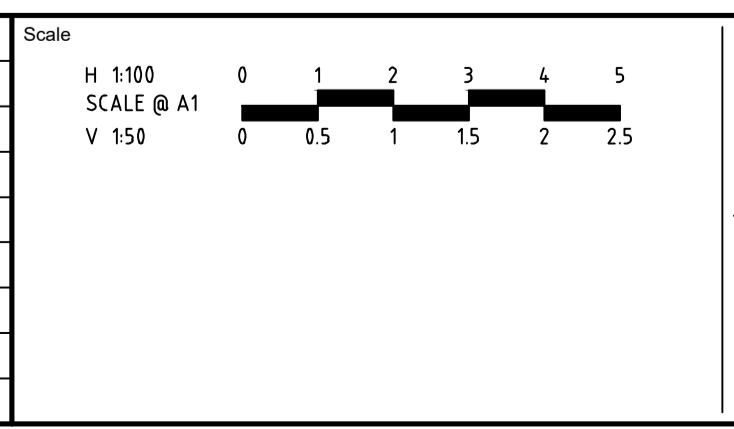
AS CONSTRUCTED Drg No **309131CR400** Rev **1**

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Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
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Designed M. WRIGHT	Checked T. ZAHLE
Authorised B. WAREHAM	Date APR 2023

**OFFICER CENTRAL
 STAGE 3A
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 2
 CARDINIA SHIRE
 YOURLAND PTY LTD**

AS CONSTRUCTED

Drg No: **309131CR401** Rev: **1**

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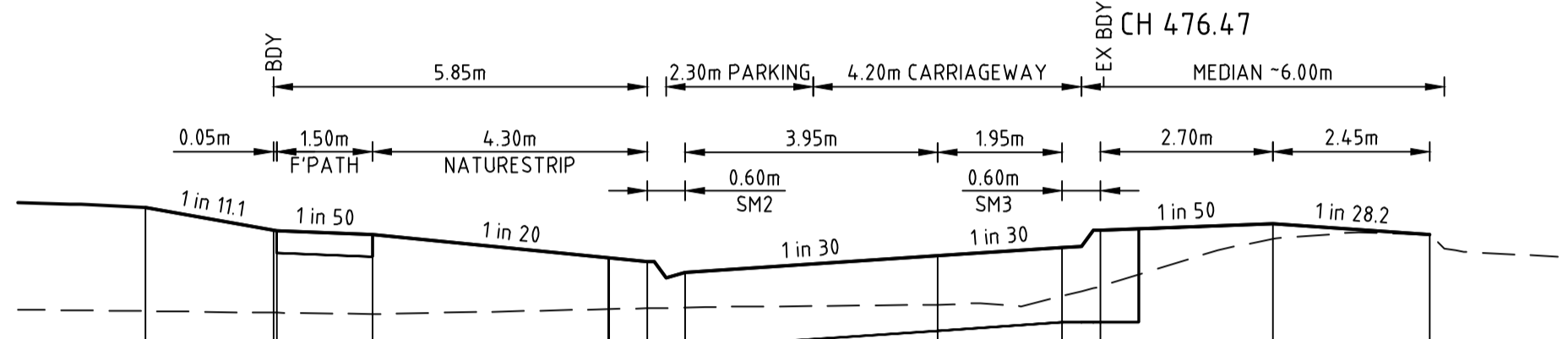
BANYALLA DRIVE REFER TO INTERSECTION DETAILS

MATCH INTO EXISTING BACK OF KERB

DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									

RIX ROAD

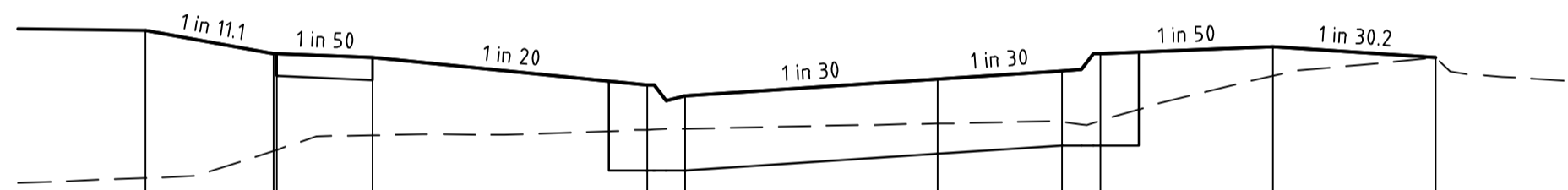


DATUM R.L. 33.0

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EXISTING SURFACE LEVEL									
OFFSET									

RIX ROAD

CH 447.10

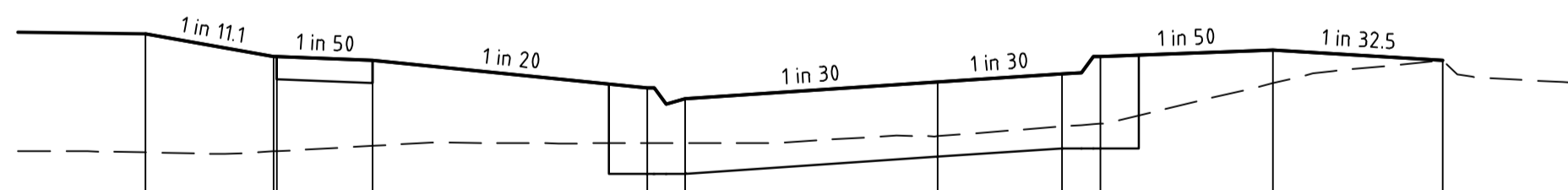


DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									

RIX ROAD

CH 421.47



DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									

RIX ROAD

CH 405.47

BATTER FROM CH505.15 TO EXISTING SURFACE AT 1 IN 6 WITH FCR AS SHOWN ON SHEET CR200

FUTURE LOT BATTER, TO BE CONSTRUCTED AS PART OF STAGE 4. TEMPORARILY BATTER TO EXISTING AT 1 IN 6

TEMPORARY LANE TRANSITION REFER TO INTERSECTION DETAILS

DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									

RIX ROAD

CH 505.15

FUTURE LOT BATTER, TO BE CONSTRUCTED AS PART OF STAGE 4. TEMPORARILY BATTER TO EXISTING AT 1 IN 6

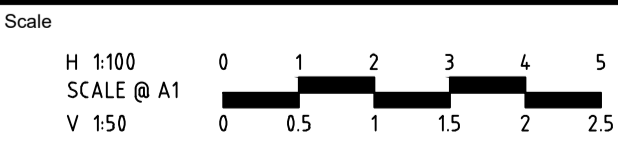
TEMPORARY LANE TRANSITION REFER TO INTERSECTION DETAILS

DATUM R.L. 33.0

DESIGN SURFACE LEVEL									
EXISTING SURFACE LEVEL									
OFFSET									

RIX ROAD

CH 487.65



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 Checked T. ZAHLE
 Date APR 2023

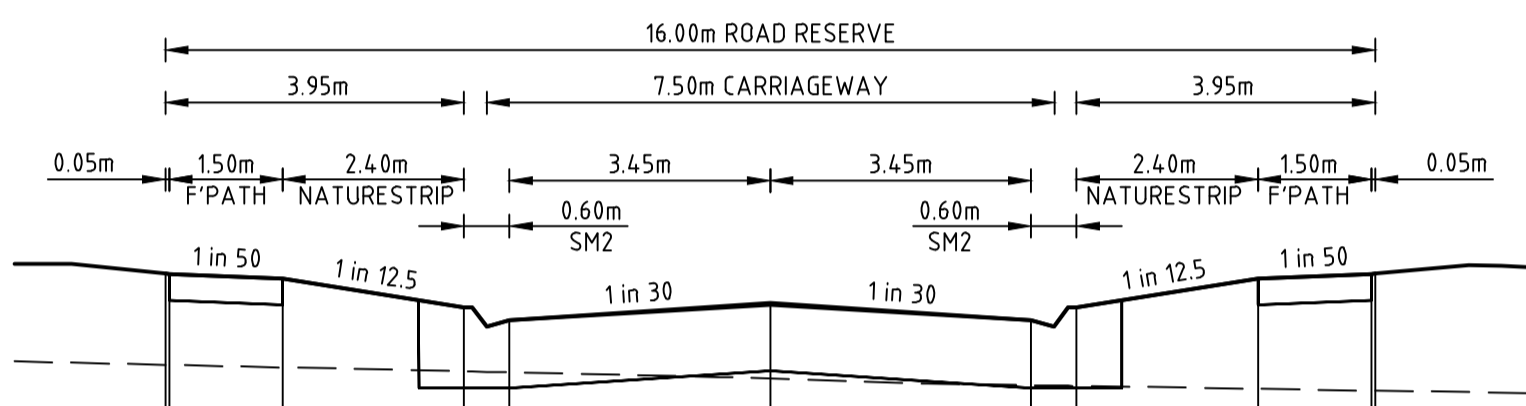
OFFICER CENTRAL
STAGE 3A
 ROAD AND DRAINAGE
 ROAD CROSS SECTIONS - SHEET 3
 CARDINIA SHIRE
 YOURLAND PTY LTD

AS CONSTRUCTED Drg No 309131CR402 Rev 1

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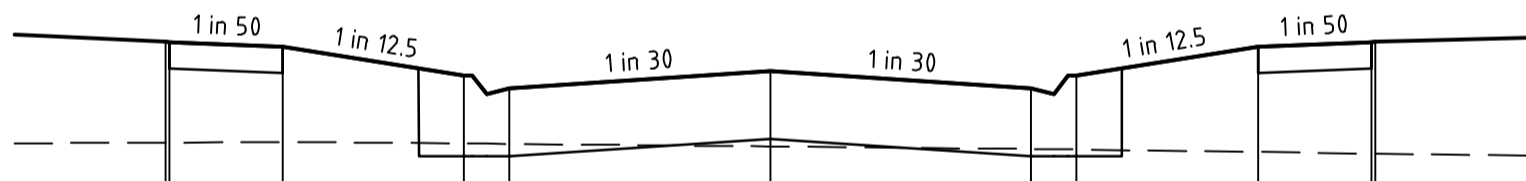
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22
Rev	Amendments	Approved	Date

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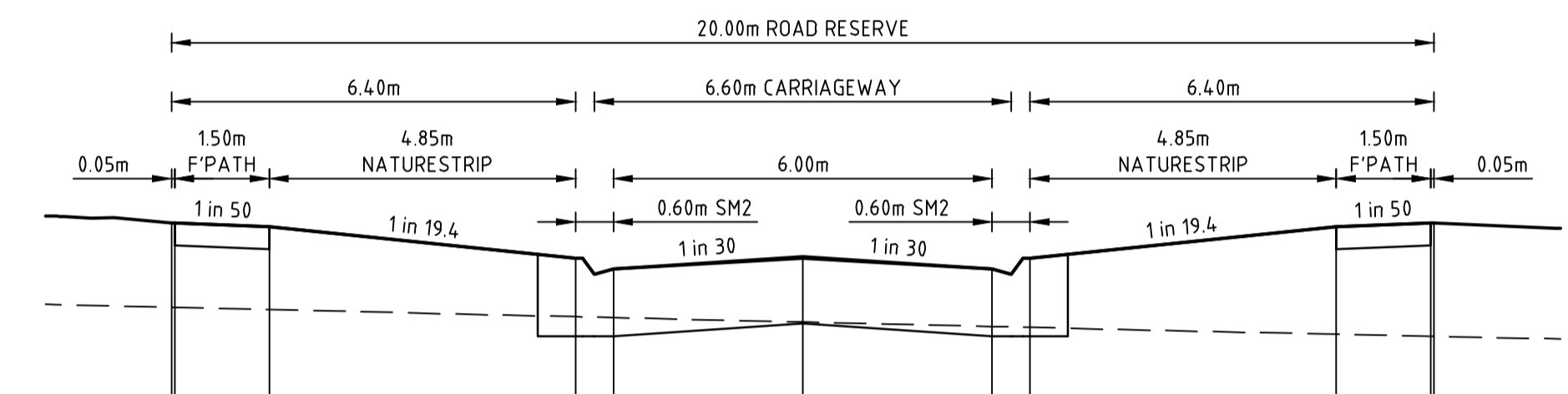
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EXISTING SURFACE LEVEL	-7.950 33.393 33.393 33.376 33.964 33.350 33.772 33.687 33.302 33.802 33.258 33.687 33.253 33.772 33.235 33.964 33.223 33.984 33.222 33.995
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SALT MARSH ROAD CH 261.88



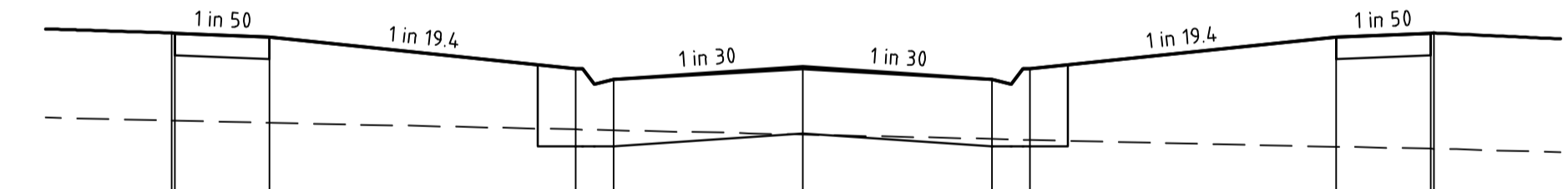
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SALT MARSH ROAD CH 235.14



DATUM R.L. 33.0	
DESIGN SURFACE LEVEL	-10.000 34.509 35.177 35.176 35.146 34.896 34.811 34.911 34.811 34.896 34.811 34.896 34.811 34.896 34.811 34.896 34.811 34.896 34.811 34.896 34.811
EXISTING SURFACE LEVEL	-9.950 34.509 34.509 34.491 34.491 34.435 34.896 34.428 34.811 34.393 34.911 34.357 34.811 34.350 34.896 34.296 34.811 34.280 34.811 34.280 34.811
OFFSET	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

BANYALLA DRIVE CH 276.17

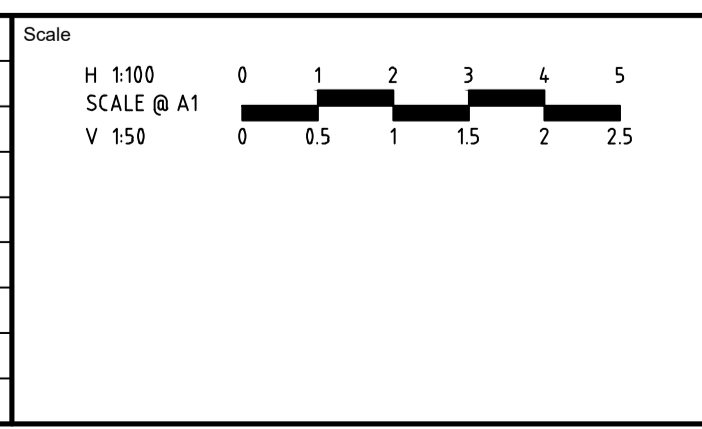


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EXISTING SURFACE LEVEL	-9.950 34.504 34.504 34.488 34.488 34.434 34.830 34.428 34.830 34.394 34.930 34.359 34.830 34.352 34.830 34.297 34.830 34.281 34.830 34.281 34.830
OFFSET	0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

BANYALLA DRIVE CH 274.33

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Rev	Description	By	Date
1	AS CONSTRUCTED	B. W	27/04/23
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 spiire.com.au ABN 55 050 029 635

Designed
M. WRIGHT

 Authorised
B. WAREHAM

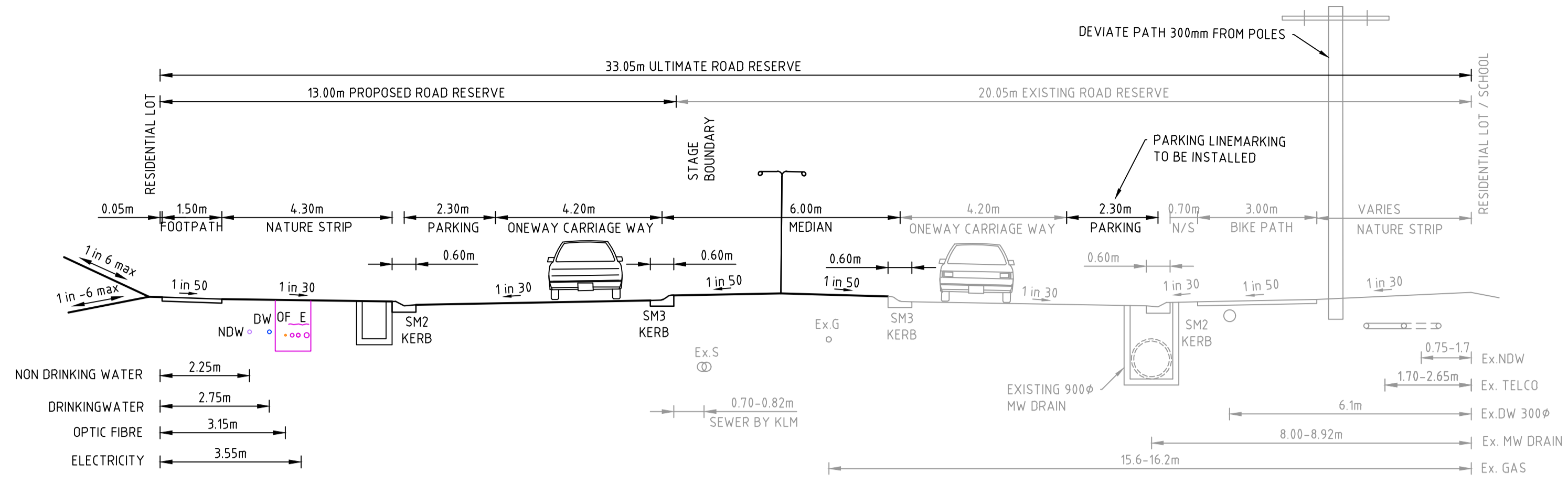
 Checked
T. ZAHLE

 Date
APR 2023

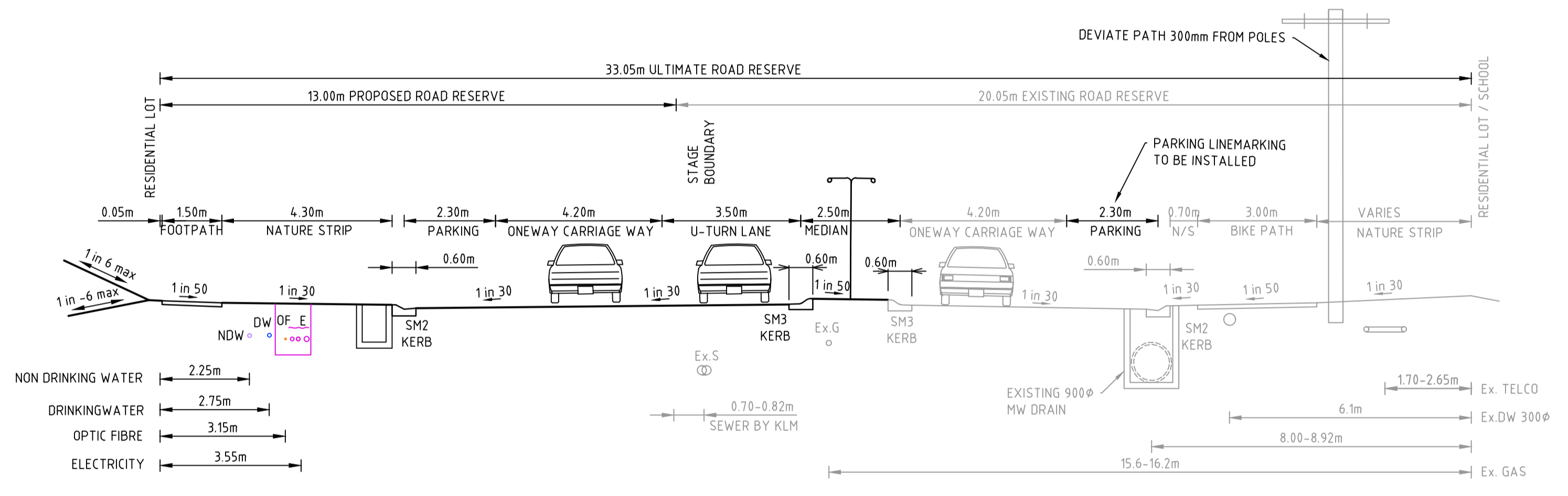
OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 4
 CARDINIA SHIRE
 YOURLAND PTY LTD

AS CONSTRUCTED

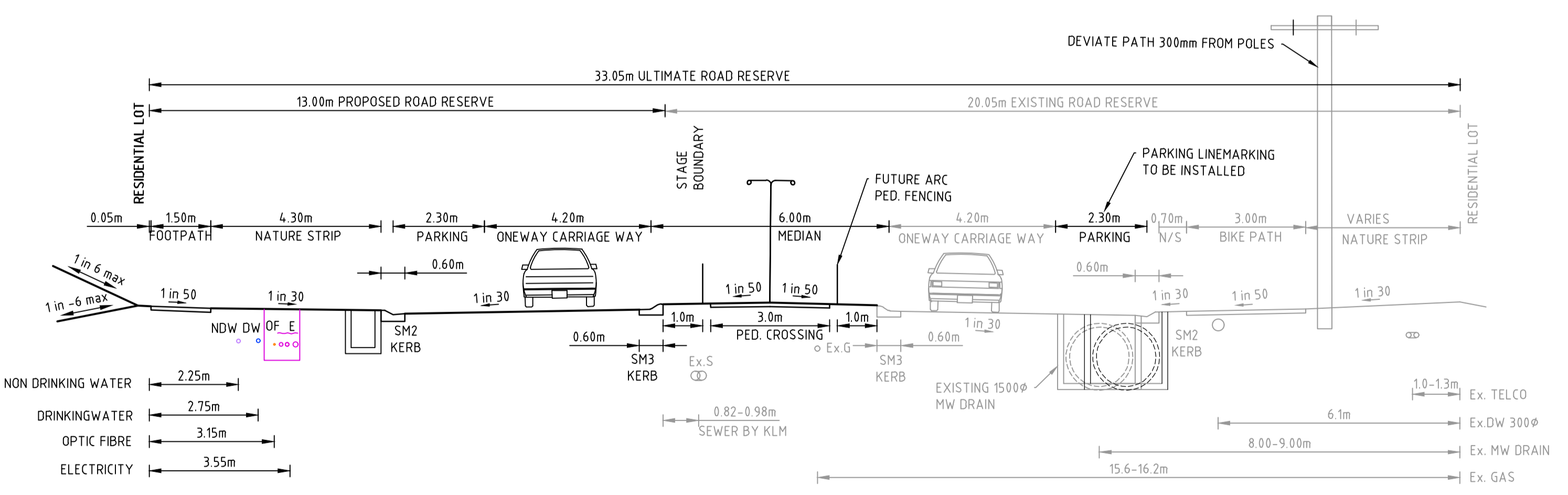
Drg No **309131CR403** Rev **1**



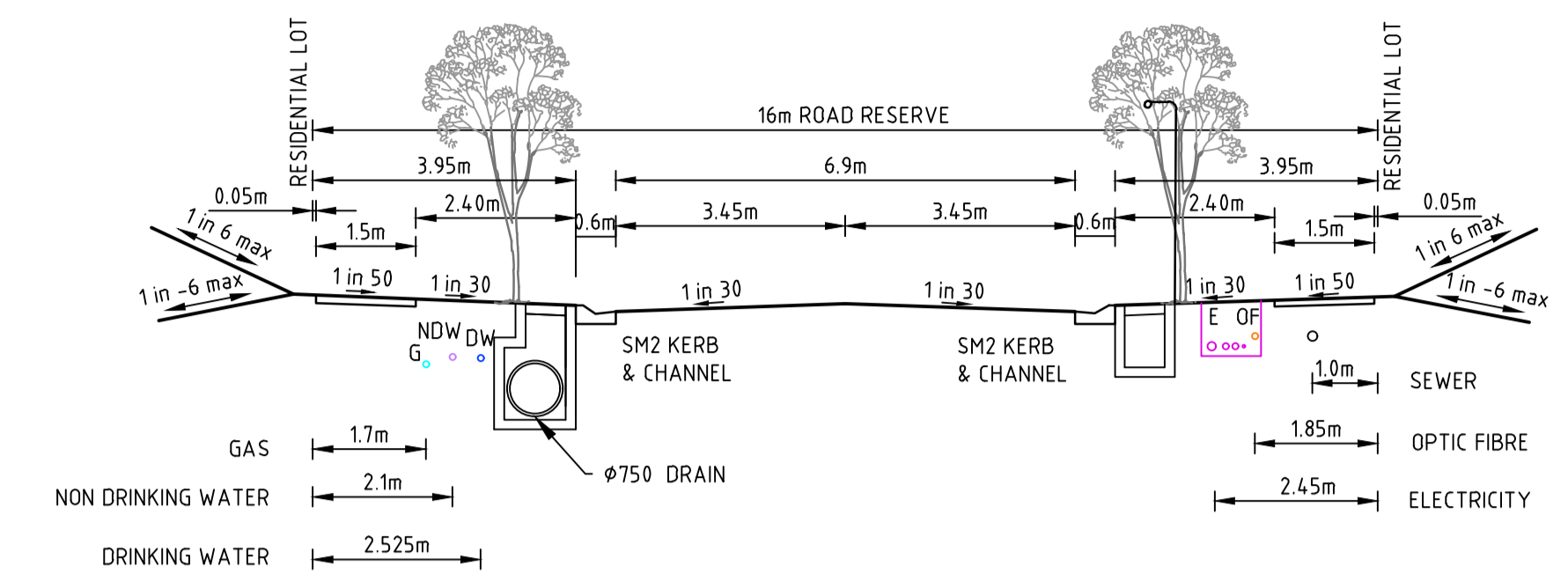
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PROPOSED & CURRENT ROAD RESERVE



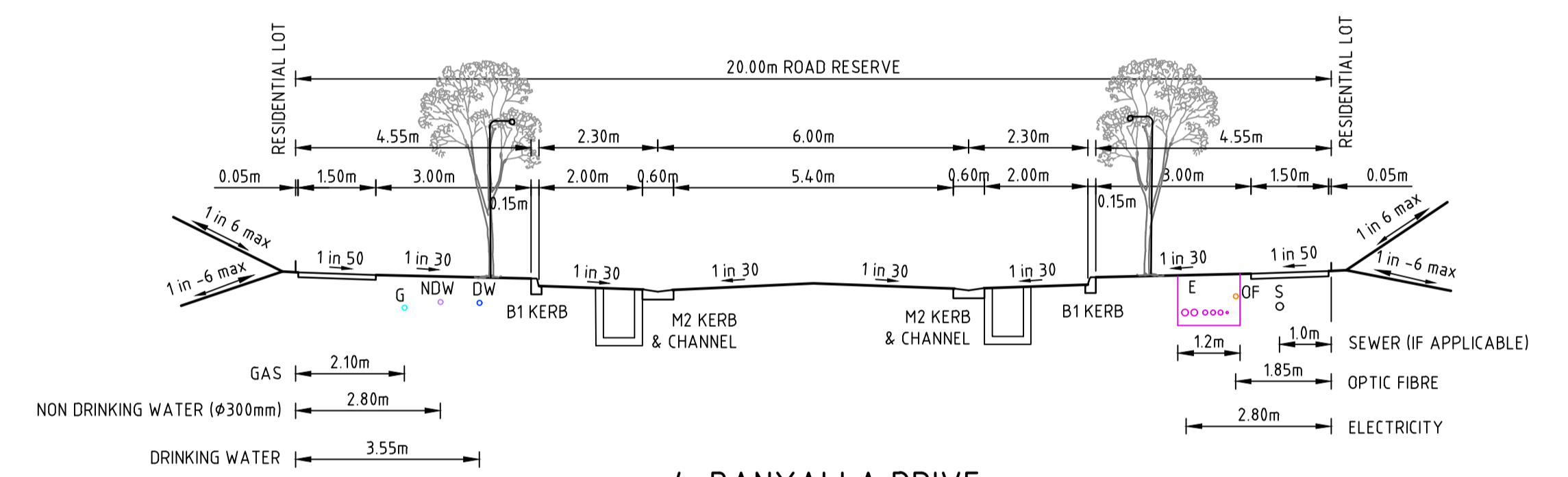
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PROPOSED & CURRENT ROAD RESERVE



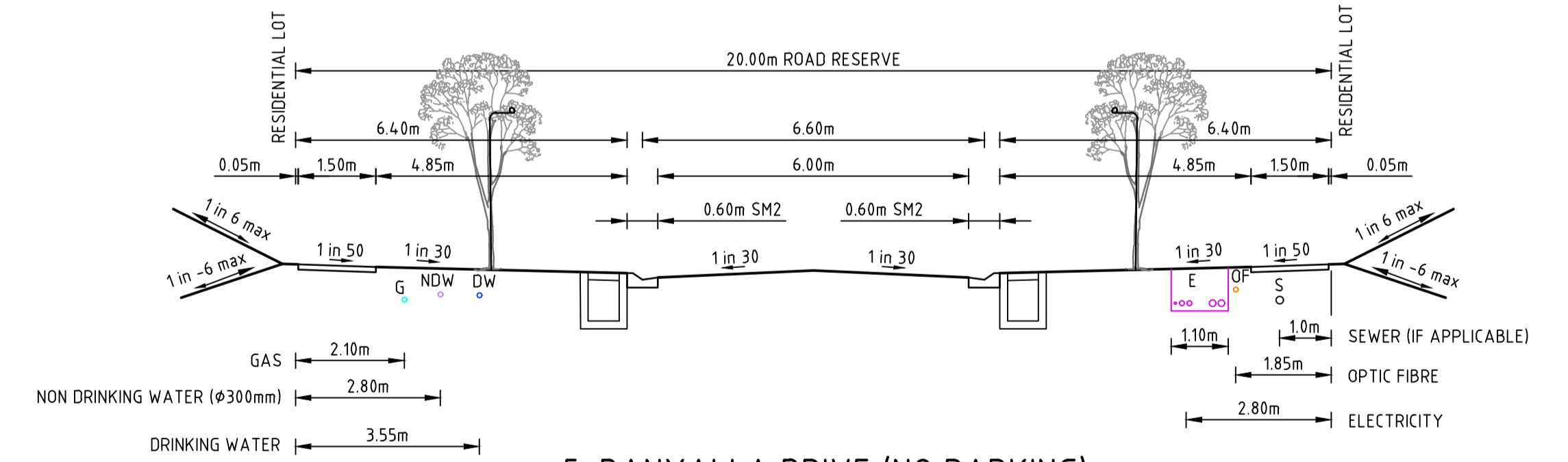
3. RIX ROAD TYPICAL ROAD RESERVE
PROPOSED & CURRENT ROAD RESERVE



3. SALTMARSH ROAD
16m WIDE RESIDENTIAL ROAD



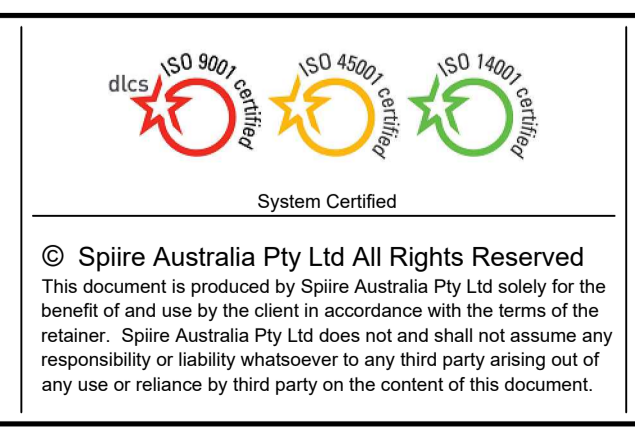
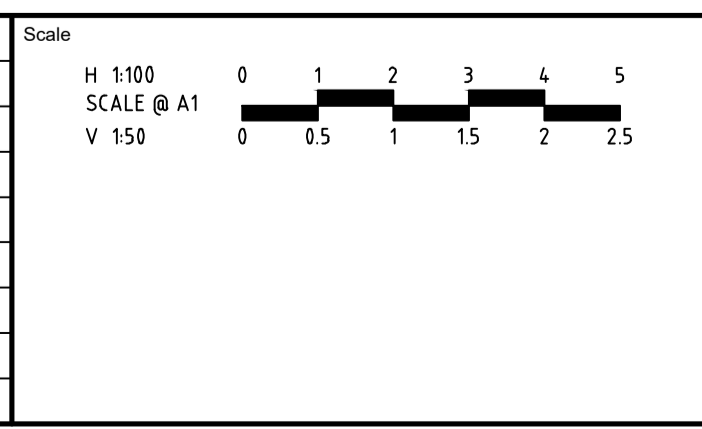
4. BANYALLA DRIVE
20m WIDE RESIDENTIAL DRIVE



5. BANYALLA DRIVE (NO PARKING)
20m WIDE RESIDENTIAL ROAD

file name: 309131CR404.dwg, layout: rsm, cgl, dlt, created by: John Caporaso, date: 28/04/2023 8:49 AM, sheet: 11 of 19, sheets: 19
 file location: \\spire.com.au\abroad\309131CR404\309131CR404.dwg

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



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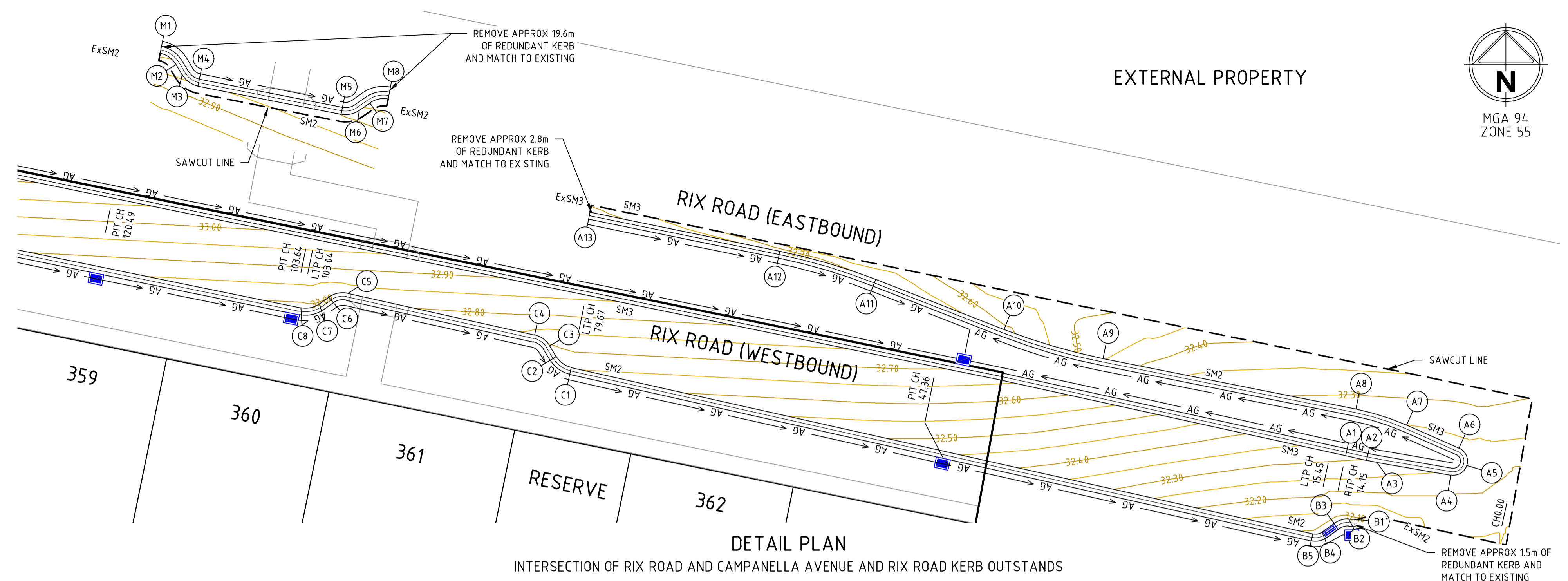
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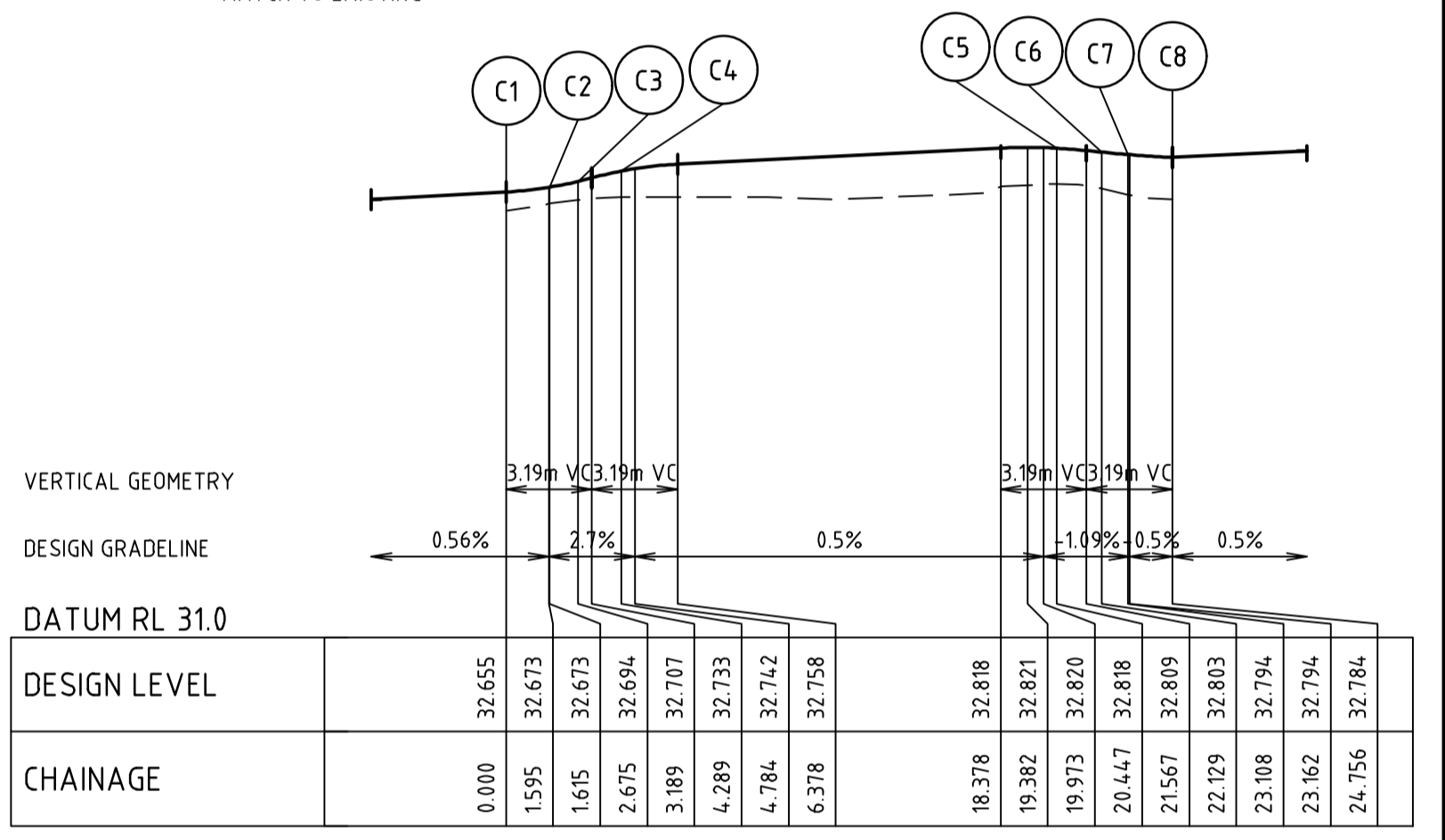
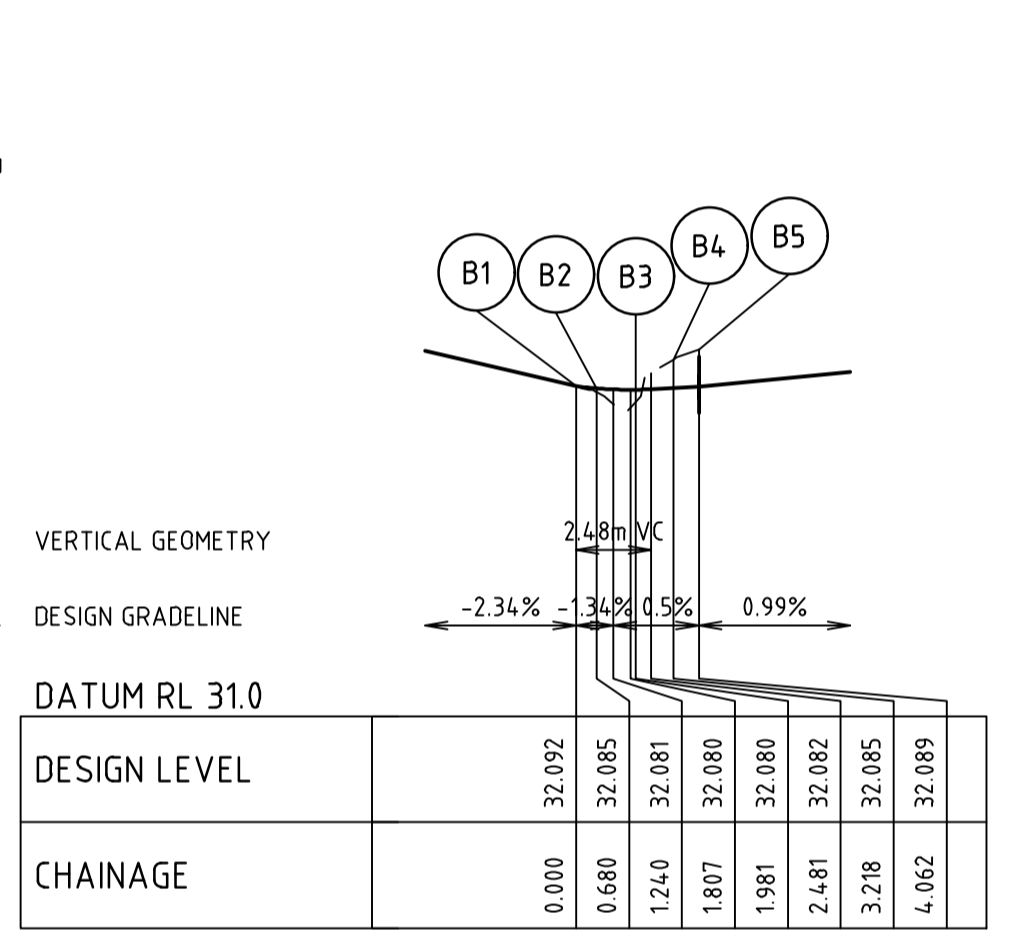
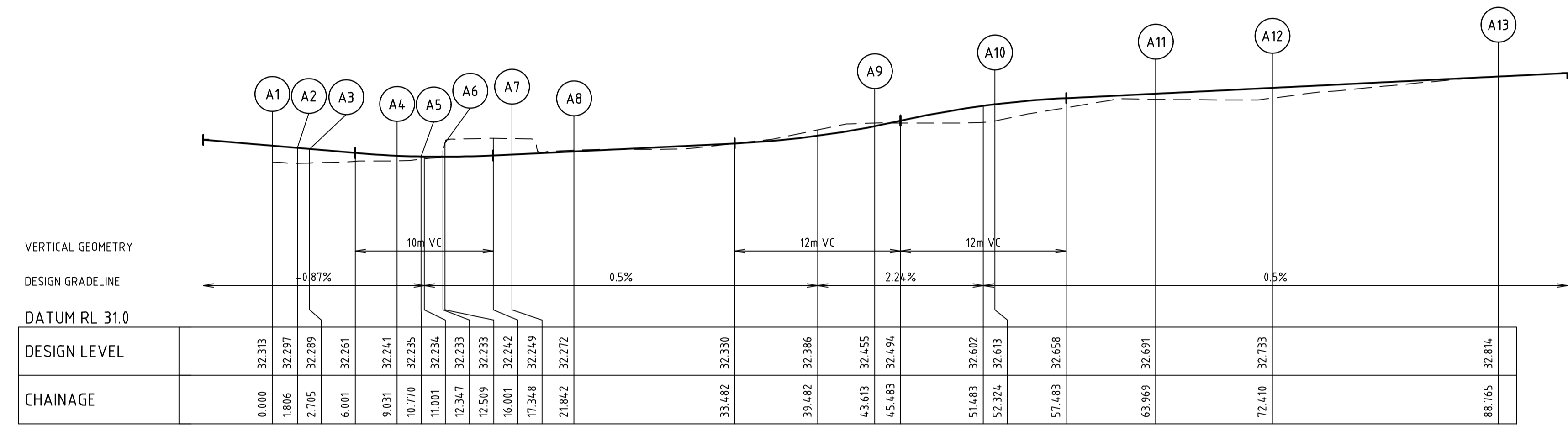
Designed: M. WRIGHT
Checked: T. ZAHLE
Authorised: B. WAREHAM
Date: APR 2023

**OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
ROAD CROSS SECTIONS - SHEET 5
CARDINIA SHIRE
YOURLAND PTY LTD**

AS CONSTRUCTED Drg No: 309131CR404 Rev: 1



DETAIL PLAN
INTERSECTION OF RIX ROAD AND CAMPANELLA AVENUE AND RIX ROAD KERB OUTSTANDS



ALIGNMENT A

POINT NO	EASTING	NORTHING	RL
A1	359909.474	5785388.167	32.313
A2	359911.238	5785387.780	32.297
1/4	359911.458	5785387.733	32.295
1/2	359911.678	5785387.688	32.293
3/4	359911.899	5785387.646	32.291
A3	359912.120	5785387.606	32.289
A4	359918.352	5785386.521	32.241
1/4	359918.784	5785386.525	32.239
1/2	359919.187	5785386.681	32.237
3/4	359919.509	5785386.971	32.236
A5	359919.706	5785387.355	32.235
1/4	359919.755	5785387.785	32.234
1/2	359919.648	5785388.204	32.234
3/4	359919.400	5785388.558	32.233
A6	359919.042	5785388.801	32.233
A7	359914.615	5785390.754	32.249
1/4	359913.575	5785391.179	32.255
1/2	359912.514	5785391.547	32.260
3/4	359911.434	5785391.856	32.266
A8	359910.338	5785392.106	32.272
A9	359888.990	5785396.373	32.455
1/4	359888.864	5785396.846	32.501
1/2	359884.761	5785397.411	32.545
3/4	359882.685	5785398.067	32.582
A10	359880.639	5785398.814	32.613
A11	359869.788	5785403.041	32.691
1/4	359867.806	5785403.765	32.701
1/2	359865.796	5785404.405	32.712
3/4	359863.760	5785404.960	32.722
A12	359861.702	5785405.428	32.733
A13	359845.682	5785408.720	32.814

ALIGNMENT B

POINT NO	EASTING	NORTHING	RL
B1	359910.401	5785382.786	32.092
1/4	359910.232	5785382.801	32.090
1/2	359910.063	5785382.813	32.088
3/4	359909.893	5785382.823	32.086
B2	359909.723	5785382.829	32.085
1/4	359909.399	5785382.811	32.082
1/2	359909.081	5785382.741	32.081
3/4	359908.780	5785382.621	32.080
B3	359908.501	5785382.454	32.080
B4	359907.497	5785381.564	32.085
1/4	359907.314	5785381.628	32.086
1/2	359907.113	5785381.544	32.088
3/4	359906.903	5785381.544	32.088
B5	359906.694	5785381.568	32.089

ALIGNMENT C

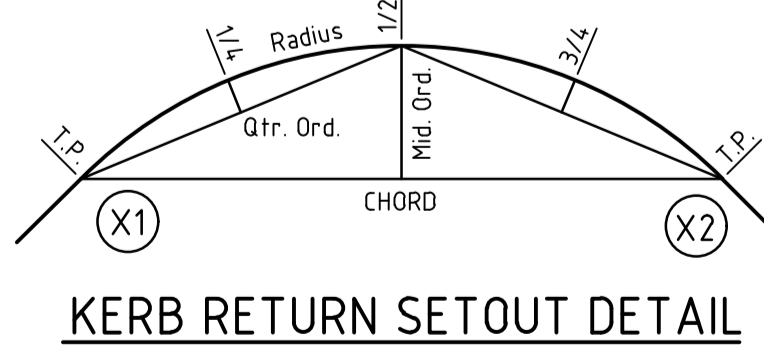
POINT NO	EASTING	NORTHING	RL
C1	35984.094	5785395.609	32.655
1/4	35984.3712	5785395.736	32.658
1/2	35984.3363	5785395.937	32.662
3/4	35984.3062	5785396.205	32.667
C2	35984.2820	5785396.527	32.673
C3	35984.2712	5785397.435	32.694
1/4	35984.2030	5785397.757	32.704
1/2	35984.1729	5785398.024	32.715
3/4	35984.1380	5785398.226	32.724
C4	35984.0997	5785398.353	32.733
C5	359825.226	5785401.866	32.818
1/4	359824.809	5785401.914	32.815
1/2	359824.391	5785401.874	32.812
3/4	359823.991	5785401.747	32.808
C6	359823.626	5785401.540	32.803
C7	359822.830	5785400.969	32.794
1/4	359822.473	5785400.765	32.791
1/2	359822.108	5785400.639	32.788
3/4	359821.673	5785400.595	32.786
C8	359821.264	5785400.636	32.784

ALIGNMENT M

POINT NO	EASTING	NORTHING	RL
M1	359809.386	5785422.108	32.789
1/4	359809.789	5785421.985	32.792
1/2	359810.157	5785421.780	32.797
3/4	359810.474	5785421.503	32.803
M2	359810.725	5785421.166	32.811
M3	359811.253	5785420.280	32.836
1/4	359811.504	5785419.944	32.846
1/2	359811.819	5785419.667	32.853
3/4	359812.186	5785419.463	32.858
M4	359812.587	5785419.339	32.860
M5	359824.658	5785416.971	32.798
1/4	359825.061	5785416.933	32.792
1/2	359825.462	5785416.978	32.784
3/4	359825.846	5785417.102	32.774
M6	359826.198	5785417.300	32.763
M7	359827.084	5785417.926	32.731
1/4	359827.437	5785418.126	32.722
1/2	359827.822	5785418.250	32.716
3/4	359828.225	5785418.293	32.711
M8	359828.629	5785418.255	32.708

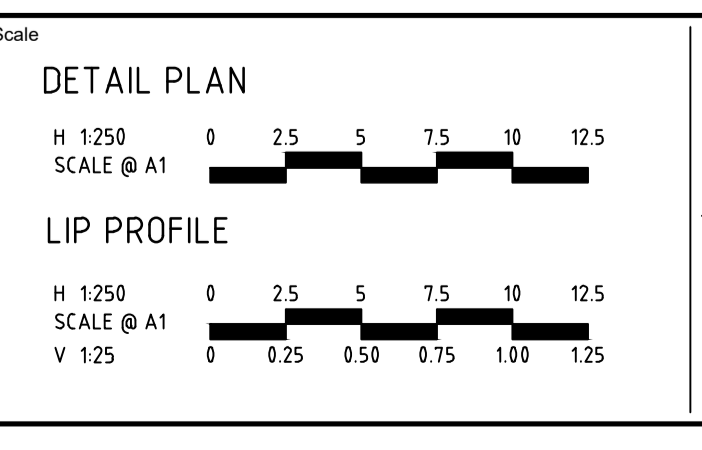
ALIGNMENT M CURVE DATA

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A4-A5	12.000	1.739	1.591	0.302	-0.078
A5-A6	12.000	1.739	1.591	0.302	-0.078
A7-A8	20.600	4.494	4.485	0.122	-0.031
A9-A10	50.000	8.711	8.700	0.190	0.047
A11-A12	50.000	8.441	8.431	0.178	-0.045



ALIGNMENT M

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



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Designed
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Checked
T. ZAHLE

Authorised
B. WAREHAM

Date
APR 2023

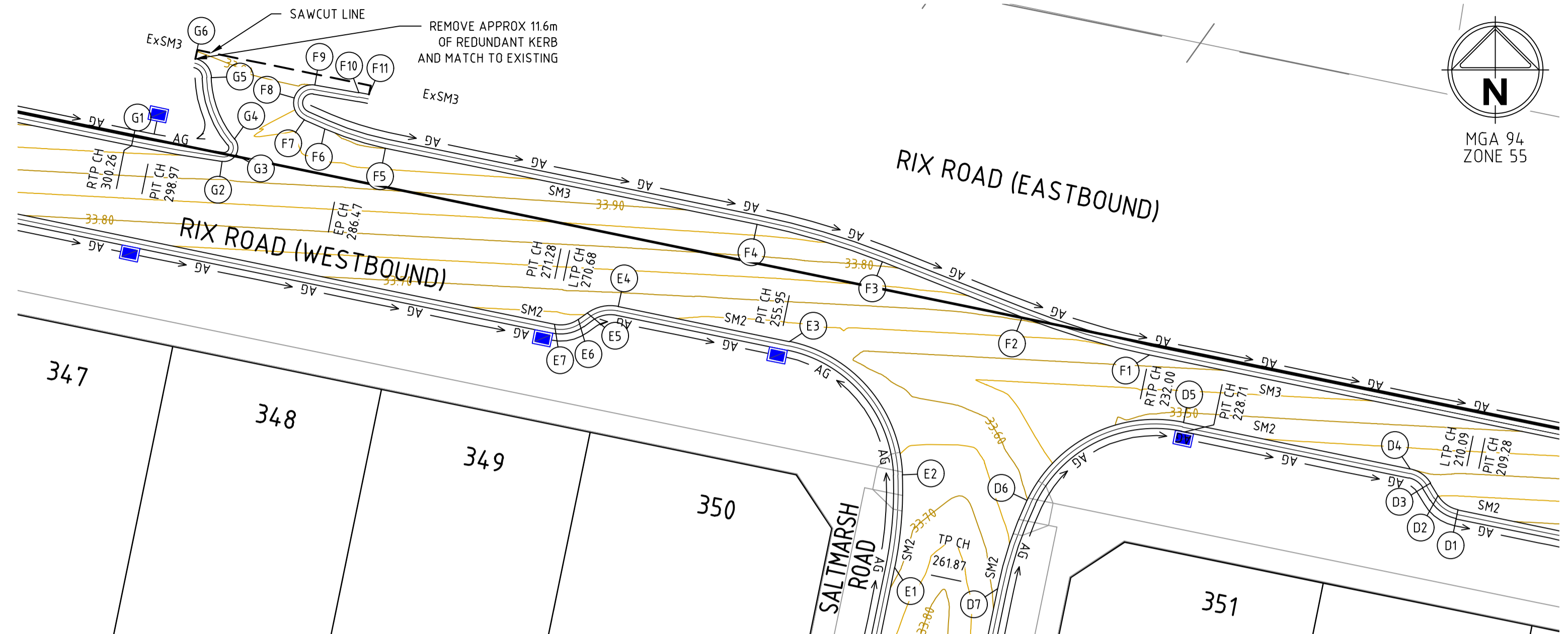
**OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 1**
CARDINIA SHIRE
YOURLAND PTY LTD

AS CONSTRUCTED

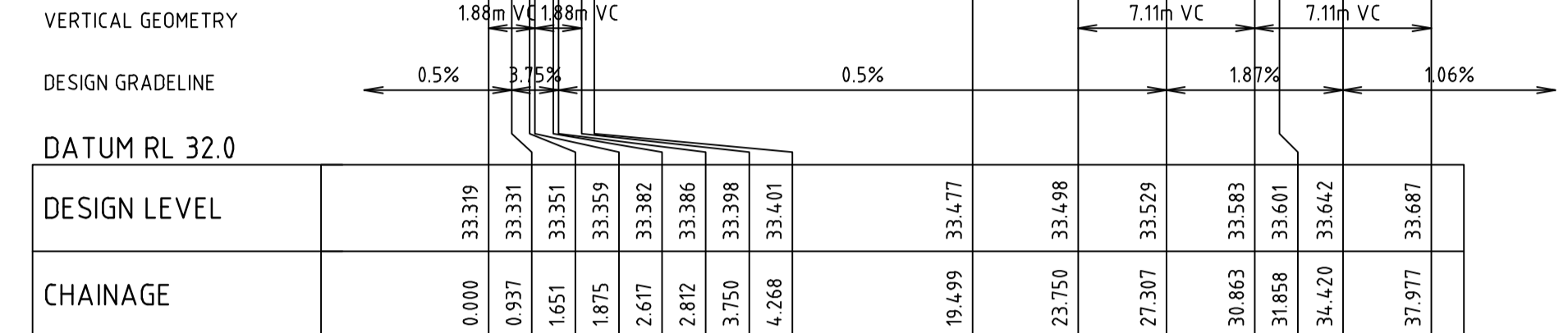
Drg No
309131CR500

Rev
1

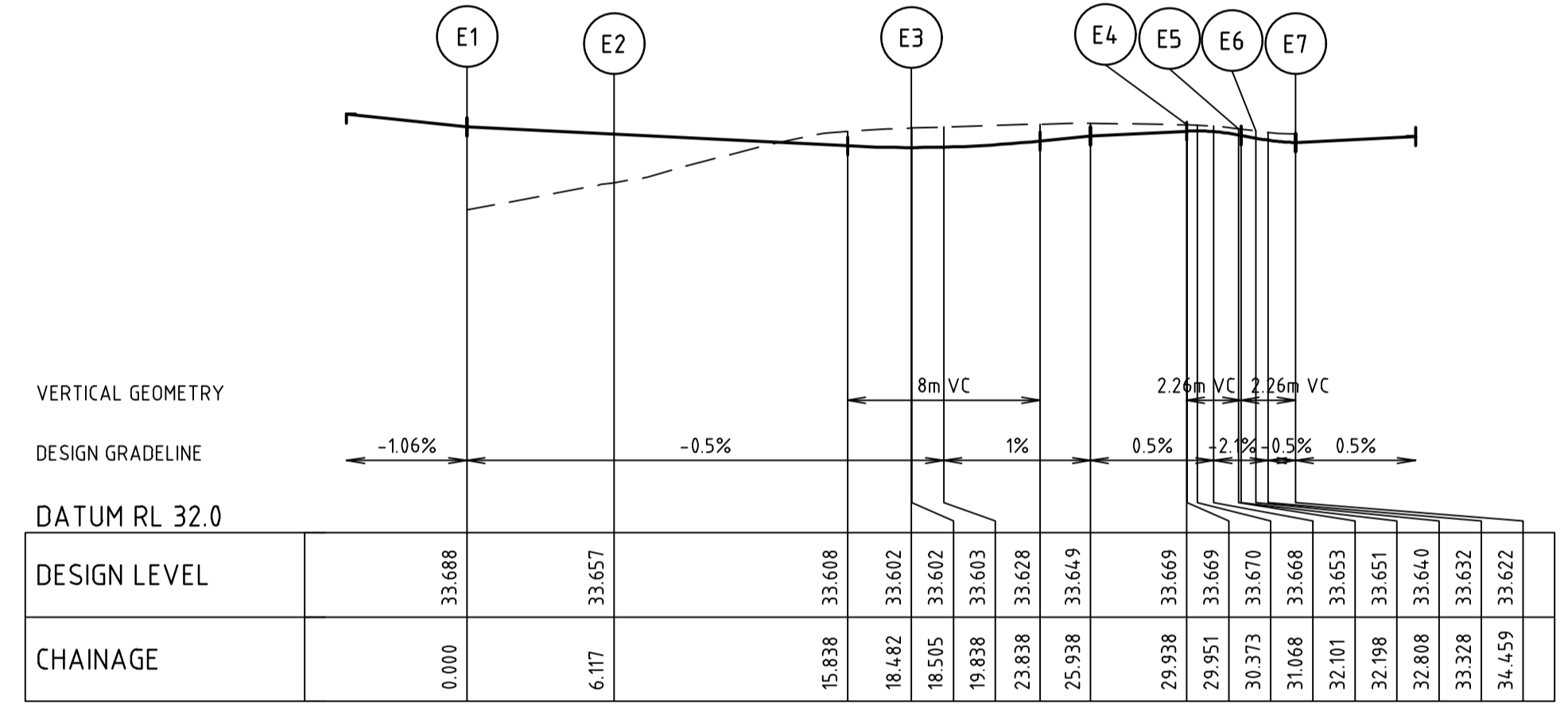
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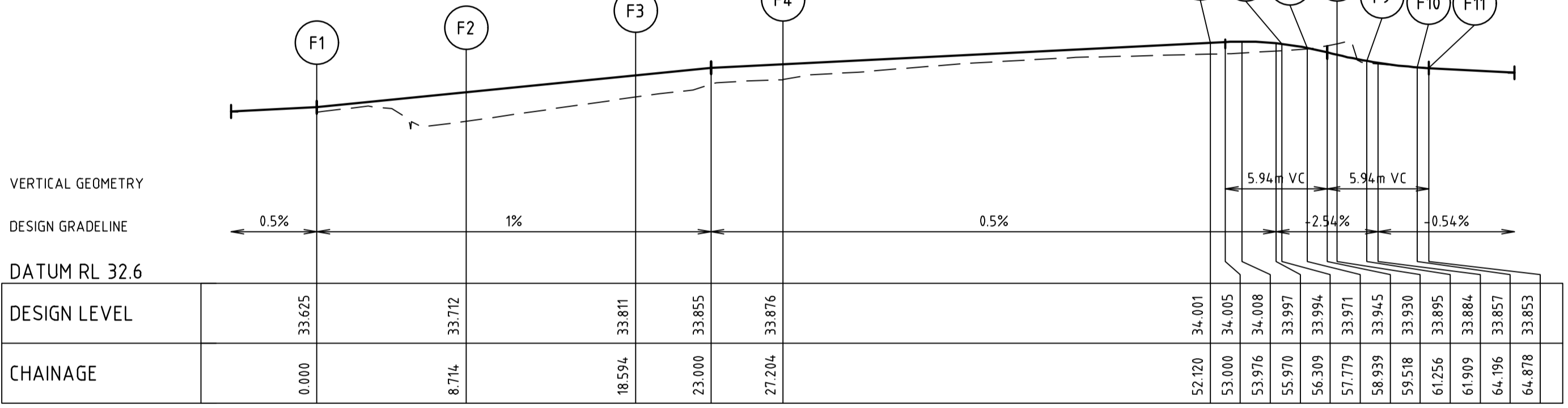
DETAIL PLAN
INTERSECTION OF RIX ROAD AND SALTMARSH ROAD AND RIX ROAD U-TURN LANE



ALIGNMENT D



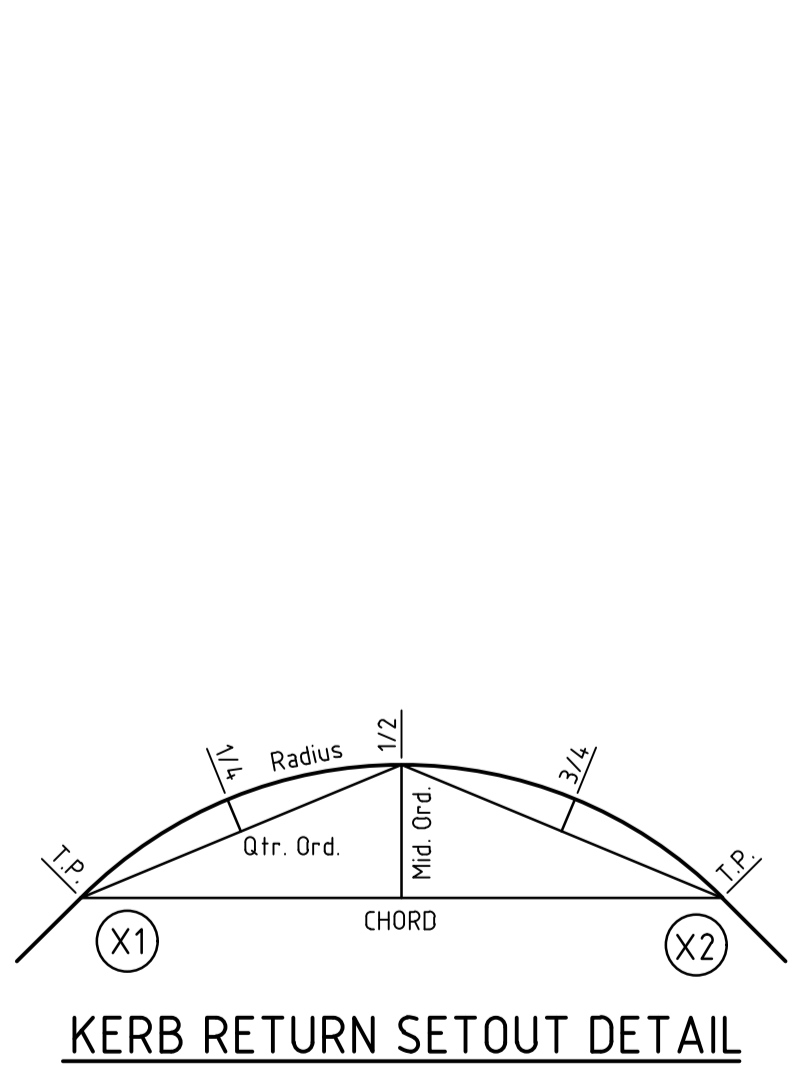
ALIGNMENT E



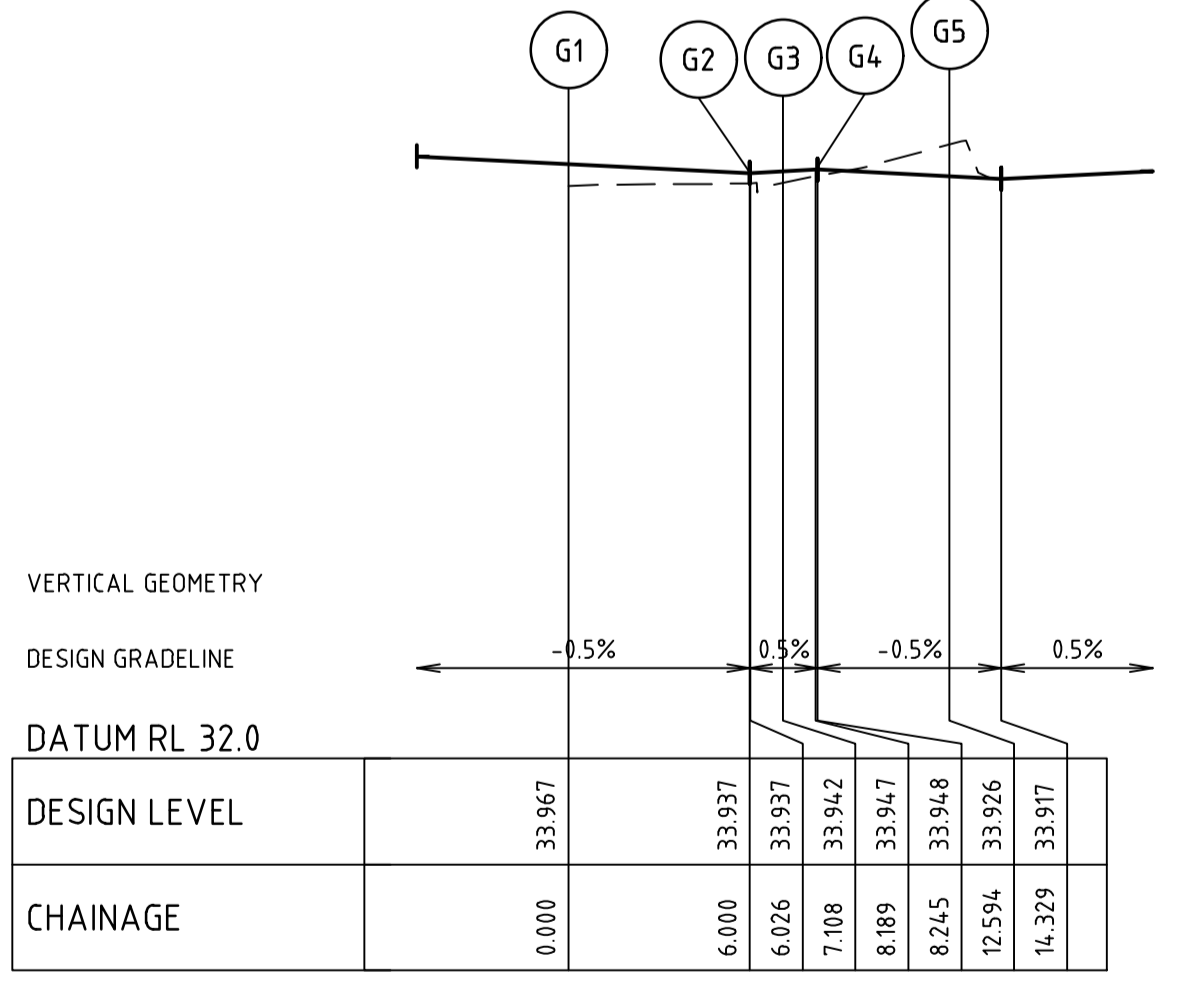
ALIGNMENT F

ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
F1	359696.108	5785432.287	33.625
1/4	359693.984	5785432.771	33.647
1/2	359691.883	5785433.347	33.669
3/4	359689.809	5785434.013	33.691
F2	359687.766	5785434.768	33.712
F3	359678.575	5785438.392	33.811
1/4	359676.556	5785439.139	33.833
1/2	359674.507	5785439.797	33.854
3/4	359672.431	5785440.365	33.865
F4	359670.332	5785440.844	33.876
F5	359645.925	5785445.852	34.001
1/4	359644.905	5785446.090	34.006
1/2	359643.899	5785446.380	34.007
3/4	359642.909	5785446.723	34.003
F6	359641.939	5785447.117	33.994
F7	359640.592	5785447.705	33.971
1/4	359640.234	5785447.946	33.962
1/2	359639.984	5785448.299	33.952
3/4	359639.876	5785448.718	33.941
F8	359639.923	5785449.148	33.930
1/4	359640.119	5785449.533	33.920
1/2	359640.439	5785449.823	33.911
3/4	359640.841	5785449.982	33.903
F9	359641.273	5785449.988	33.895
F10	359644.172	5785449.496	33.857
1/4	359644.340	5785449.467	33.856
1/2	359644.508	5785449.437	33.855
3/4	359644.675	5785449.404	33.854
F11	359644.842	5785449.371	33.853



KERB RETURN SETOUT DETAIL



ALIGNMENT G

ALIGNMENT D

POINT NO	EASTING	NORTHING	RL
D1	359716.392	5785422.105	33.319
1/4	359715.999	5785422.228	33.322
1/2	359715.640	5785422.430	33.329
3/4	359715.329	5785422.701	33.338
D2	359715.081	5785423.030	33.351
D3	359714.582	5785423.858	33.382
1/4	359714.334	5785424.187	33.390
1/2	359714.024	5785424.458	33.396
3/4	359713.665	5785424.660	33.399
D4	359713.272	5785424.784	33.401
D5	359698.352	5785427.845	33.477
1/4	359695.278	5785427.957	33.493
1/2	359692.336	5785428.060	33.512
3/4	359689.848	5785428.252	33.548
D6	359688.085	5785428.732	33.601
1/4	359687.470	5785429.332	33.627
1/2	359686.940	5785429.897	33.650
3/4	359686.498	5785429.433	33.670
D7	359686.166	5785429.945	33.687

ALIGNMENT E

POINT NO	EASTING	NORTHING	RL
E1	359679.387	5785418.332	33.688
1/4	359679.649	5785419.839	33.680
1/2	359679.819	5785421.358	33.672
3/4	359679.898	5785422.885	33.665
E2	359679.884	5785424.474	33.657
1/4	359679.255	5785427.426	33.641
1/2	359677.679	5785430.069	33.626
3/4	359675.326	5785432.052	33.611
E3	359672.455	5785433.159	33.602
E4	359661.220	5785435.466	33.669
1/4	359660.687	5785435.519	33.670
1/2	359660.153	5785435.462	33.668
3/4	359659.643	5785435.297	33.662
E5	359659.177	5785435.031	33.653
E6	359658.603	5785434.618	33.640
1/4	359658.246	5785434.413	33.634
1/2	359657.854	5785434.286	33.628
3/4	359657.444	5785434.242	33.625
E7	359657.034	5785434.283	33.622

ALIGNMENT F

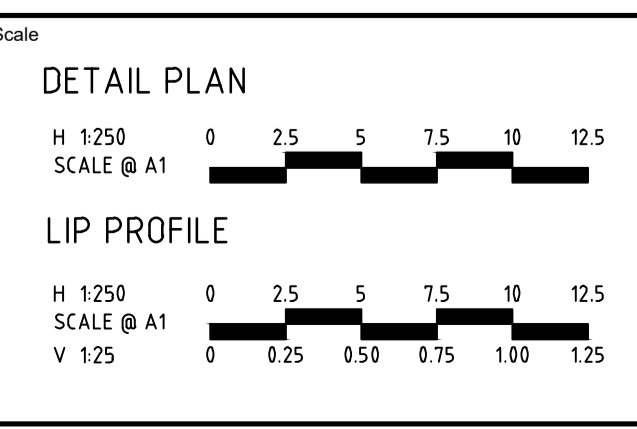
POINT NO	EASTING	NORTHING	RL
F1	359696.108	5785432.287	33.625
1/4	359693.984	5785432.771	33.647
1/2	359691.883	5785433.347	33.669
3/4	359689.809	5785434.013	33.691
F2	359687.766	5785434.768	33.712
F3	359678.575	5785438.392	33.811
1/4	359676.556	5785439.139	33.833
1/2	359674.507	5785439.797	33.854
3/4	359672.431	5785440.365	33.865
F4	359670.332	5785440.844	33.876
F5	359645.925	5785445.852	34.001
1/4	359644.905	5785446.090	34.006
1/2	359643.899	5785446.380	34.007
3/4	359642.909	5785446.723	34.003
F6	359641.939	5785447.117	33.994
F7	359640.592	5785447.705	33.971
1/4	359640.234	5785447.946	33.962
1/2	359639.984	5785448.299	33.952
3/4	359639.876	5785448.718	33.941
F8	359639.923	5785449.148	33.930
1/4	359640.119	5785449.533	33.920
1/2	359640.439	5785449.823	33.911
3/4	359640.841	5785449.982	33.903
F9	359641.273	5785449.988	33.895
F10	359644.172	5785449.496	33.857
1/4	359644.340	5785449.467	33.856
1/2	359644.508	5785449.437	33.855
3/4	359644.675	5785449.404	33.854
F11	359644.842	5785449.371	33.853

ALIGNMENT G

POINT NO	EASTING	NORTHING	RL
G1	359629.241	5785446.010	33.967
1/4	359630.719	5785445.718	33.959
1/2	359632.201	5785445.448	33.951
3/4	359633.687	5785445.201	33.944
G2	359635.176	5785444.976	33.937
1/4	359635.446	5785444.978	33.938
1/2	359635.703	5785445.060	33.939
3/4	359635.924	5785445.214	33.941
G3	359636.089	5785445.427	33.942
1/4	359636.184	5785445.679	33.943
1/2	359636.201	5785445.948	33.945
3/4	359636.136	5785446.210	33.946
G4	359635.998	5785446.441	33.947
1/4	359635.369	5785447.343	33.942
1/2	359634.896	5785448.336	33.937
3/4	359634.593	5785449.393	33.931
G5	359634.466	5785450.486	33.926
1/4	359634.380	5785450.909	33.924
1/2	359634.160	5785451.280	33.922
3/4	359633.831	5785451.560	33.919
G6	359633.428	5785451.716	33.917

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Rev	Description	By	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED ALIGNMENT F	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22
Rev	Amendments	Approved	Date



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Designed
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Checked
T. ZAHLE

Authorised
B. WAREHAM

Date
APR 2023

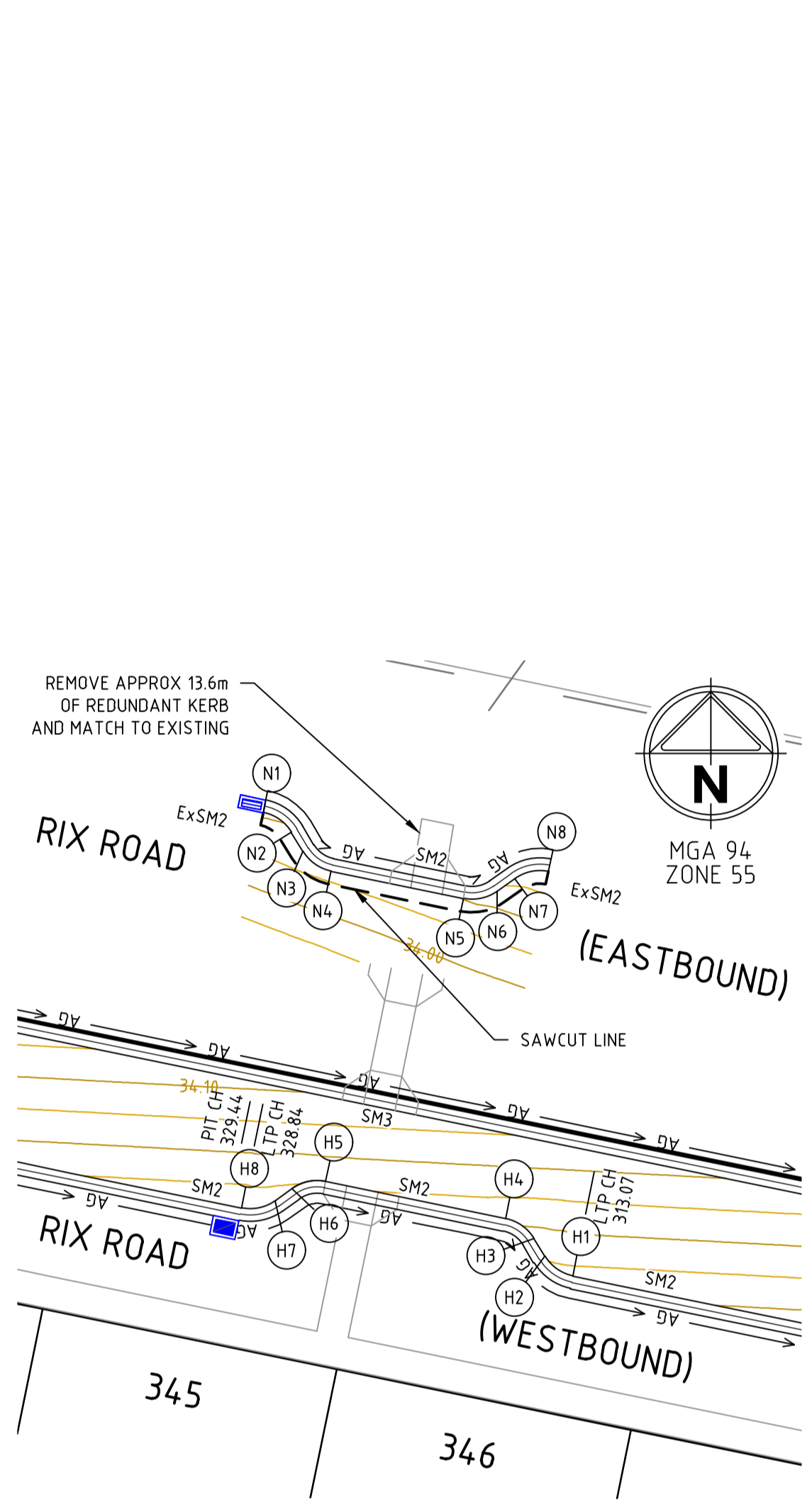
OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 2
CARDINIA SHIRE
YOURLAND PTY LTD

AS CONSTRUCTED

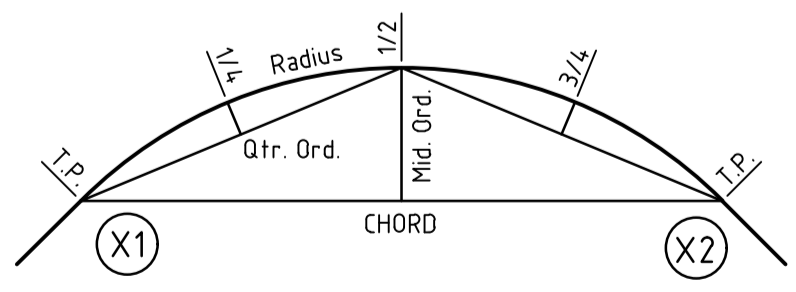
Drg No
309131CR501

Rev
1

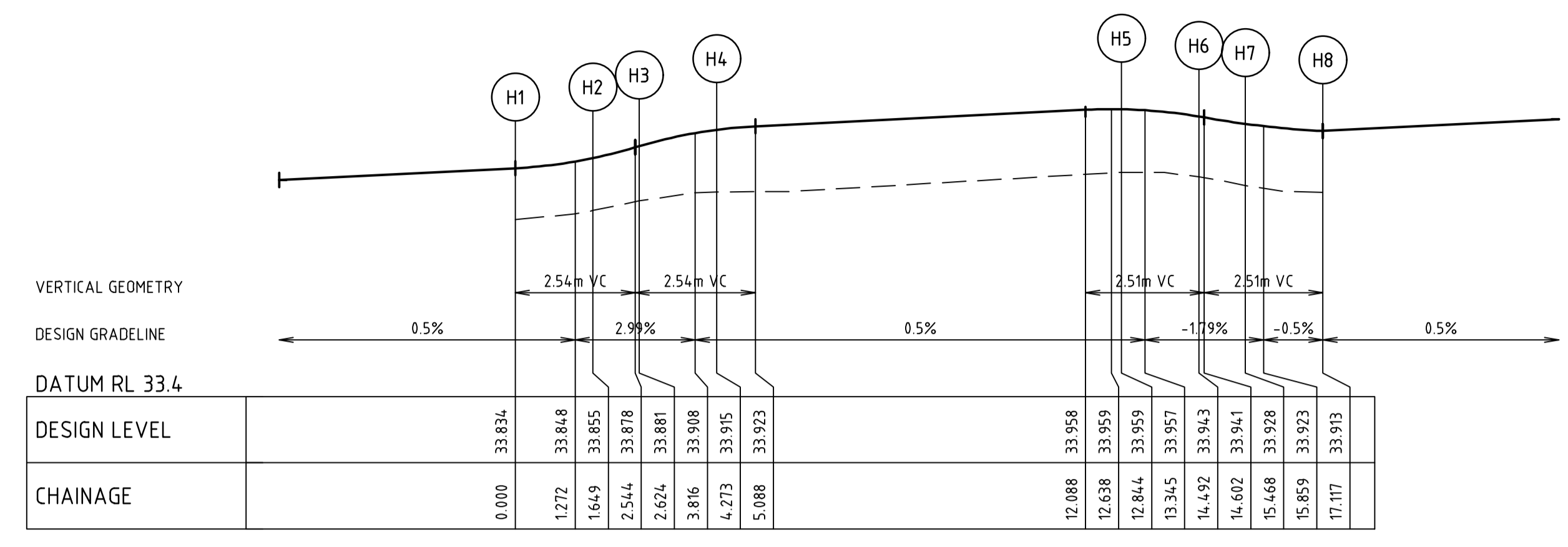
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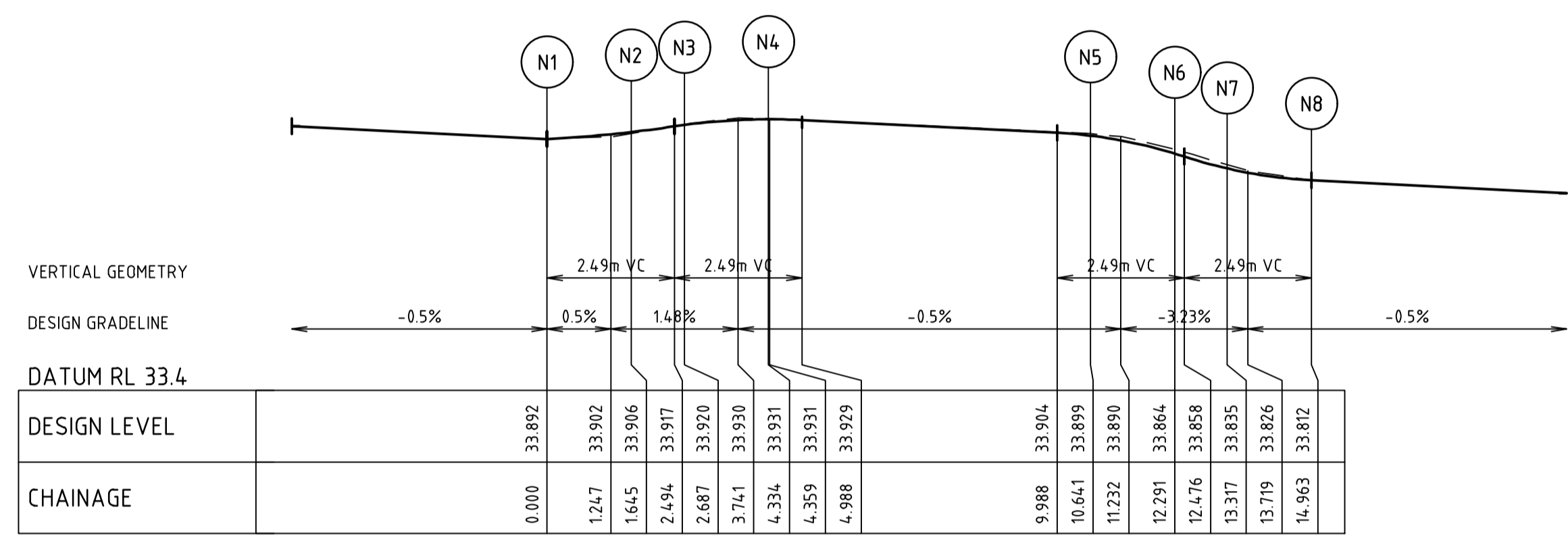
DETAIL PLAN
RIX ROAD KERB OUTSTANDS



KERB RETURN SETOUT DETAIL



ALIGNMENT H



ALIGNMENT N

ALIGNMENT H

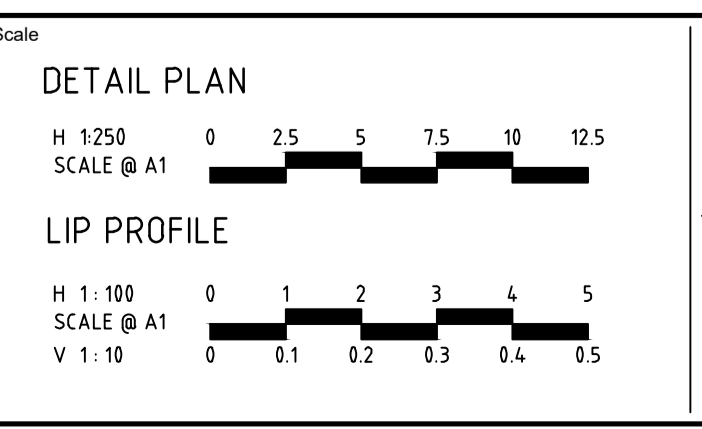
POINT NO	EASTING	NORTHING	RL
H1	359615.509	5785442.805	33.834
1/4	359615.117	5785442.928	33.837
1/2	359614.758	5785443.130	3.841
3/4	359614.448	5785443.400	33.848
H2	359614.200	5785443.728	33.855
H3	359613.695	5785444.563	33.881
1/4	359613.447	5785444.892	33.892
1/2	359613.137	5785445.162	33.901
3/4	359612.778	5785445.364	33.909
H4	359612.386	5785445.487	33.915
H5	359603.990	5785447.210	33.959
1/4	359603.581	5785447.251	33.957
1/2	359603.172	5785447.207	33.954
3/4	359602.781	5785447.081	33.950
H6	359602.423	5785446.877	33.943
H7	359601.630	5785446.308	33.928
1/4	359601.273	5785446.104	33.923
1/2	359600.881	5785445.978	33.919
3/4	359600.472	5785445.934	33.915
H8	359600.063	5785445.975	33.913

ALIGNMENT N

POINT NO	EASTING	NORTHING	RL
N1	359601.081	5785464.401	33.892
1/4	359601.472	5785464.277	33.895
1/2	359601.830	5785464.075	33.898
3/4	359602.139	5785463.805	33.902
N2	359602.387	5785463.477	33.906
N3	359602.926	5785462.586	33.920
1/4	359603.174	5785462.258	33.925
1/2	359603.483	5785461.988	33.928
3/4	359603.842	5785461.786	33.930
N4	359604.234	5785461.663	33.931
N5	359610.411	5785460.392	33.899
1/4	359610.821	5785460.351	33.893
1/2	359611.230	5785460.394	33.885
3/4	359611.622	5785460.521	33.875
N6	359611.980	5785460.725	33.864
N7	359612.814	5785461.323	33.835
1/4	359613.171	5785461.527	33.826
1/2	359613.561	5785461.653	33.820
3/4	359613.970	5785461.698	33.815
N8	359614.378	5785461.657	33.812

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD	CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
H1-H2	2.000	1.649	1.602	0.167	0.042	N1-N2	2.000	1.645	1.599	0.167	0.042
H3-H4	2.000	1.649	1.602	0.167	-0.042	N3-N4	2.000	1.648	1.601	0.167	-0.042
H5-H6	2.000	1.649	1.602	0.167	-0.042	N5-N6	2.000	1.650	1.603	0.168	-0.042
H7-H8	2.000	1.649	1.602	0.167	0.042	N7-N8	2.000	1.646	1.600	0.167	0.042

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED ALIGNMENTS H AND N	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



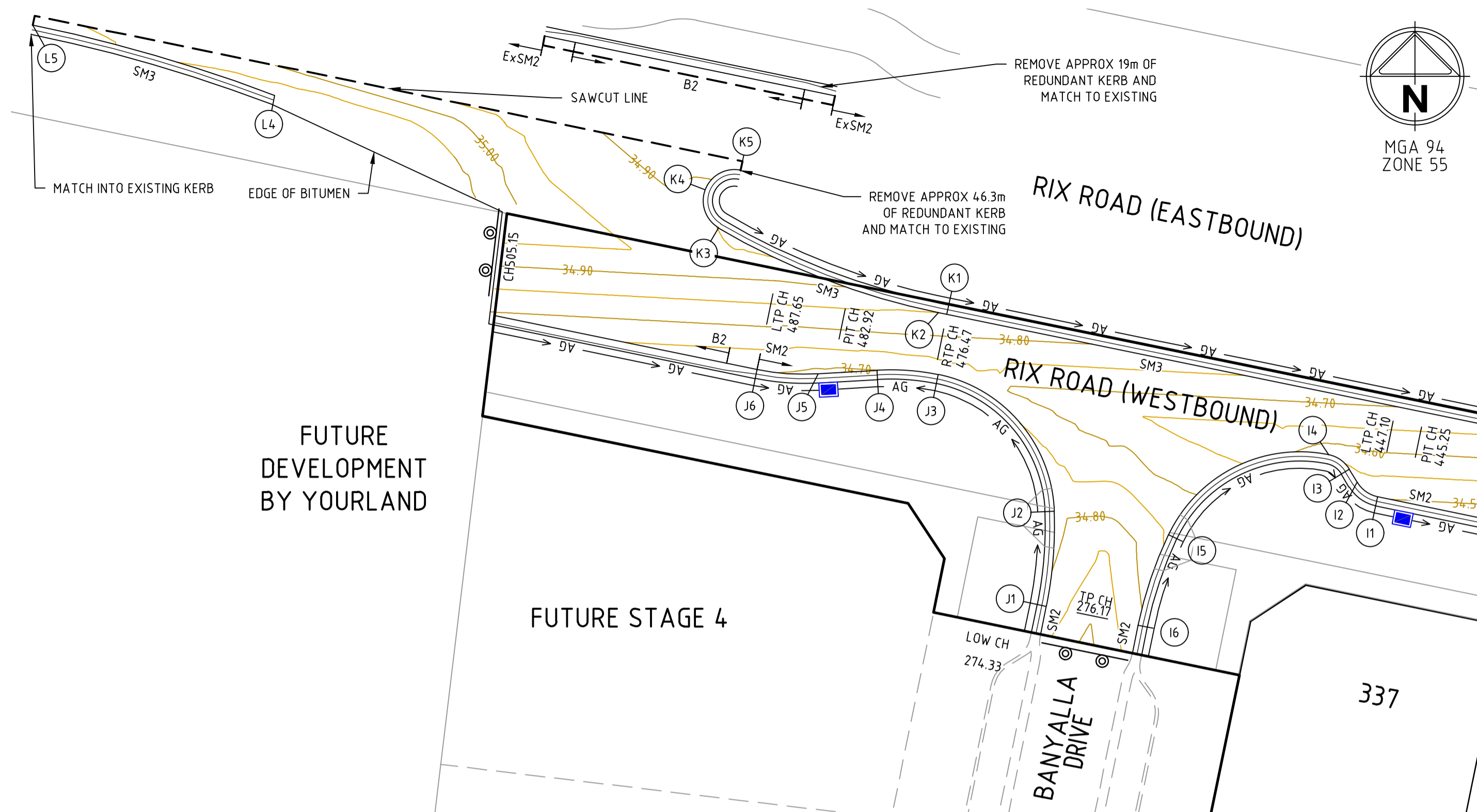
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Designed: M. WRIGHT
 Authorised: B. WAREHAM
 Checked: T. ZAHLE
 Date: APR 2023

OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 3
 CARDINIA SHIRE
 YOURLAND PTY LTD
AS CONSTRUCTED

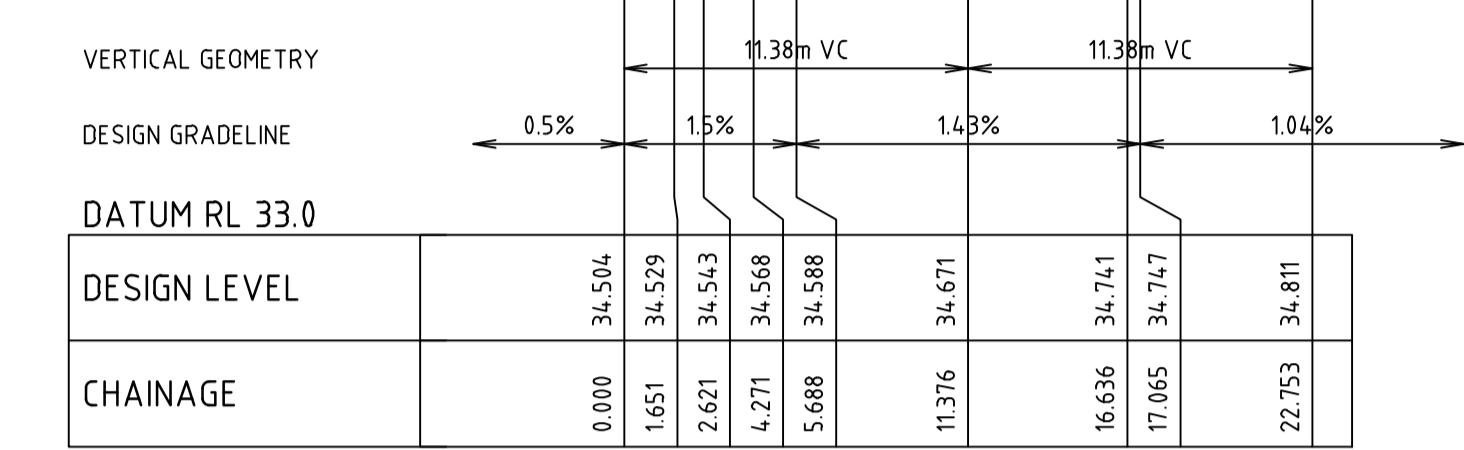
Drg No: 309131CR502 Rev: 1



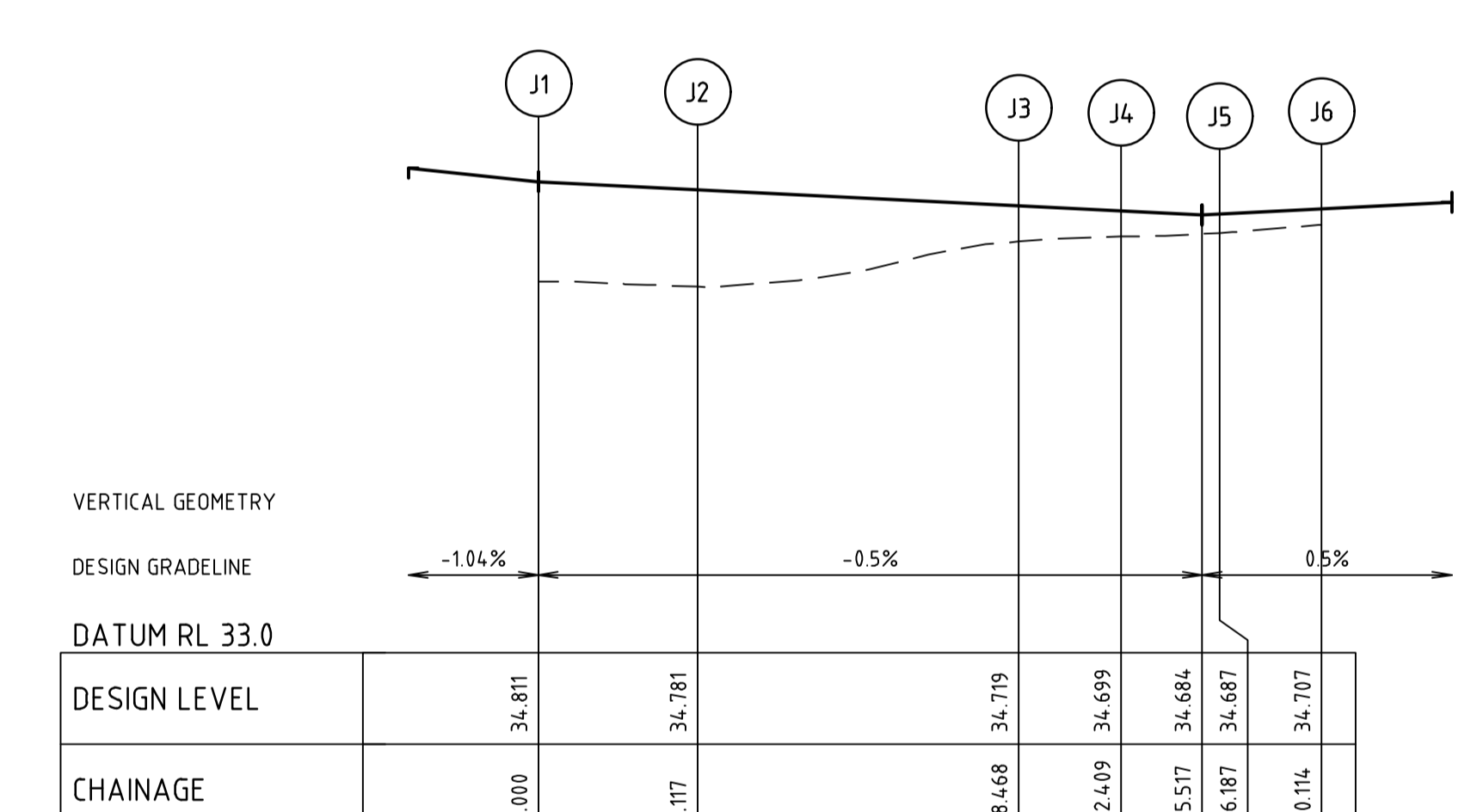
FUTURE DEVELOPMENT BY YOURLAND

FUTURE STAGE 4

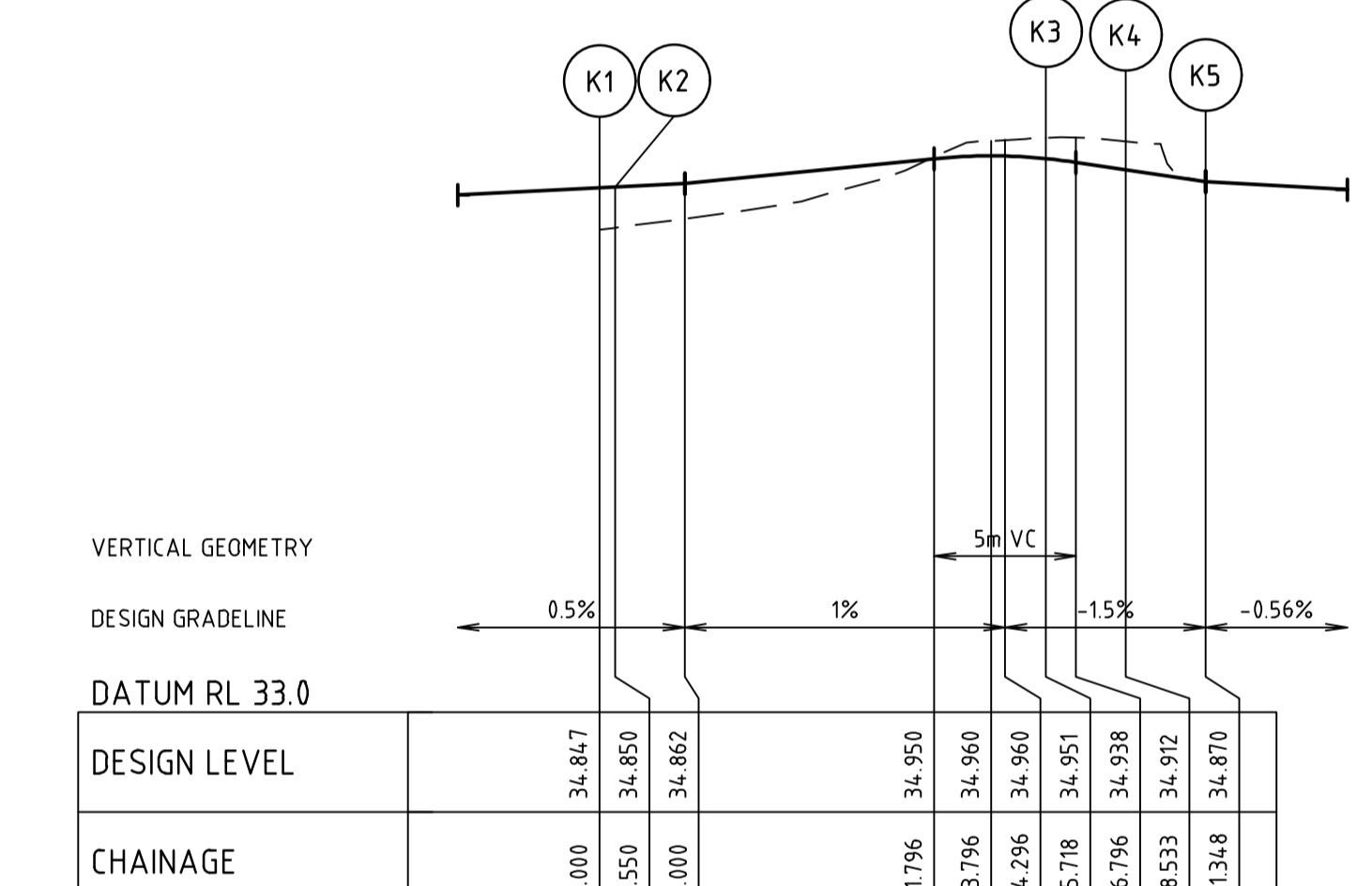
DETAIL PLAN
INTERSECTION OF RIX ROAD AND BANYALLA DRIVE AND TEMPORARY LANE TRANSITION



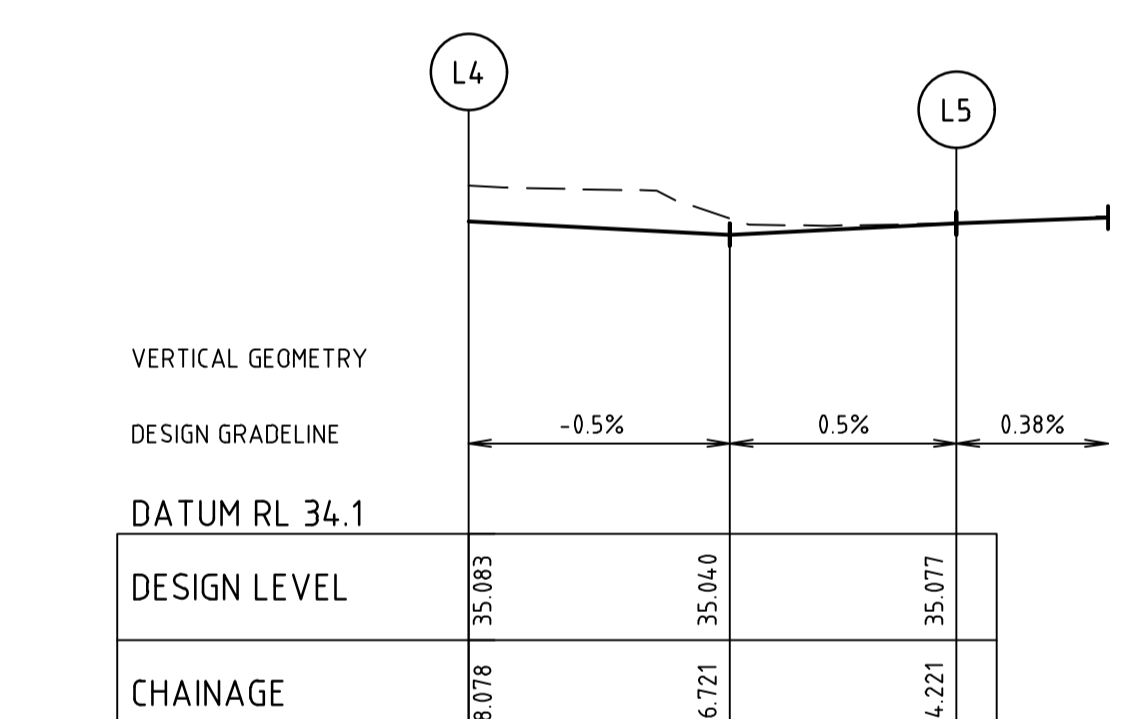
ALIGNMENT I



ALIGNMENT J



ALIGNMENT K



ALIGNMENT L

ALIGNMENT I

POINT NO	EASTING	NORTHING	RL
11	359484.215	5785469.749	34.504
1/4	359483.822	5785469.873	34.510
1/2	359483.463	5785470.075	34.516
3/4	359483.153	5785470.346	34.523
12	359482.905	5785470.675	34.529
13	359482.404	5785471.505	34.543
1/4	359482.156	5785471.834	34.549
1/2	359481.846	5785472.105	34.555
3/4	359481.487	5785472.307	34.561
14	359481.095	5785472.431	34.568
1/4	359478.020	5785472.544	34.613
1/2	359475.076	5785471.648	34.657
3/4	359472.586	5785469.840	34.701
15	359470.822	5785467.318	34.741
1/4	359470.207	5785465.918	34.760
1/2	359469.678	5785464.484	34.778
3/4	359469.236	5785463.020	34.795
16	359468.884	5785461.532	34.811

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
11-12	2.000	1.651	1.605	0.168	0.042
13-14	2.000	1.650	1.603	0.168	-0.042
14-15	9.300	12.365	11.474	1.980	-0.509
15-16	25.300	6.117	6.102	0.185	-0.046

ALIGNMENT J

POINT NO	EASTING	NORTHING	RL
J1	359463.006	5785462.739	34.811
1/4	359463.268	5785461.245	34.804
1/2	359463.439	5785465.764	34.796
3/4	359463.517	5785467.291	34.788
J2	359463.503	5785468.820	34.781
1/4	359462.876	5785471.829	34.765
1/2	359461.303	5785474.470	34.750
3/4	359458.955	5785476.453	34.735
J3	359456.088	5785477.563	34.719
1/4	359455.118	5785477.730	34.714
1/2	359454.138	5785477.833	34.709
3/4	359453.154	5785477.871	34.704
J4	359452.169	5785477.845	34.699
J5	359448.398	5785477.621	34.687
1/4	359447.417	5785477.595	34.692
1/2	359446.436	5785477.633	34.697
3/4	359445.460	5785477.735	34.702
J6	359444.492	5785477.901	34.707

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
J1-J2	25.300	6.117	6.102	0.185	-0.046
J2-J3	9.300	12.351	11.463	1.976	-0.508
J3-J4	15.000	3.941	3.929	0.129	-0.032
J5-J6	15.000	3.927	3.916	0.128	0.032

ALIGNMENT K

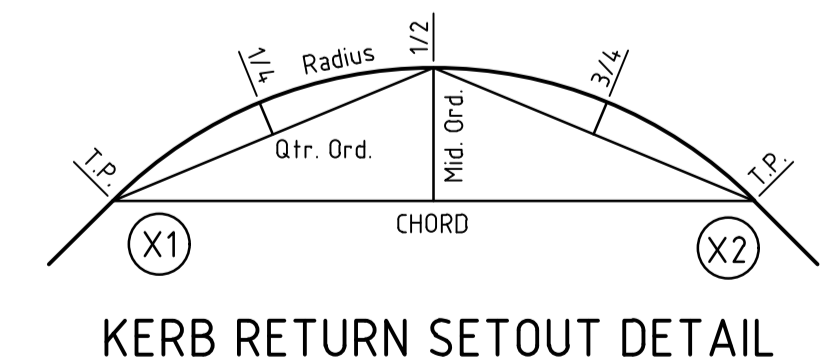
POINT NO	EASTING	NORTHING	RL
K1	359456.634	5785481.432	34.847
K2	359456.096	5785481.542	34.850
1/4	359452.417	5785482.457	34.876
1/2	359448.825	5785483.670	34.914
3/4	359445.345	5785485.174	34.952
K3	359442.001	5785486.960	34.951
1/4	35944.1469	5785487.415	34.943
1/2	35944.1126	5785488.025	34.933
3/4	35944.1015	5785488.716	34.922
K4	35944.1148	5785489.404	34.912
1/4	35944.1511	5785490.003	34.901
1/2	35944.2058	5785490.440	34.891
3/4	35944.2722	5785490.662	34.880
K5	35944.3421	5785490.642	34.870

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
K2-K3	4.6100	15.169	15.100	0.622	0.156
K3-K4	2.000	2.815	2.588	0.475	0.123
K4-K5	2.000	2.815	2.588	0.475	0.123

ALIGNMENT L

POINT NO	EASTING	NORTHING	RL
L4	359413.589	5785495.442	35.083
1/4	359409.790	5785496.803	35.063
1/2	359405.940	5785498.010	35.043
3/4	359402.043	5785499.060	35.057
L5	359398.108	5785499.952	35.077

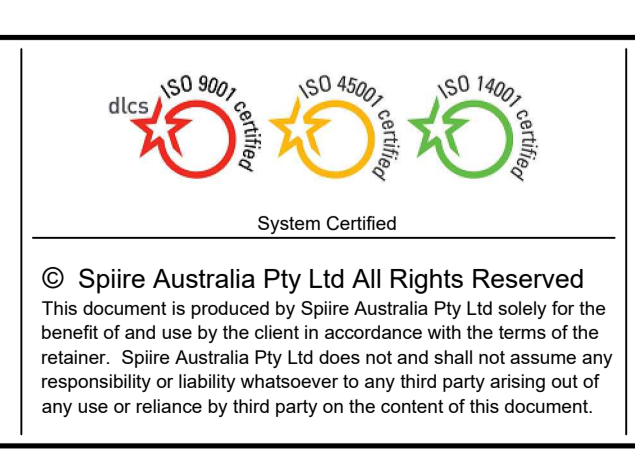
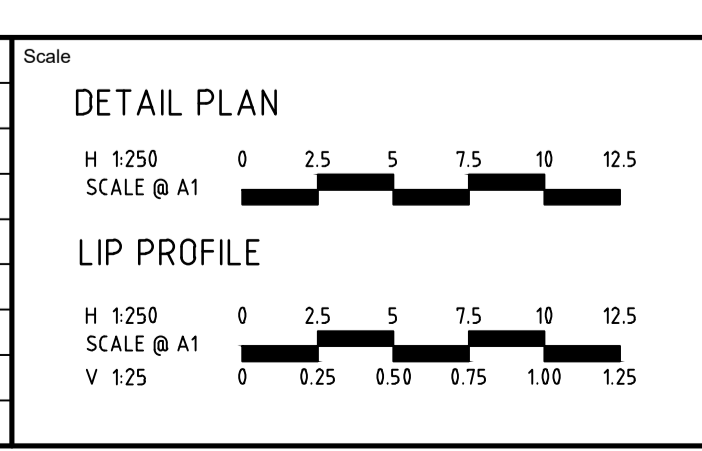
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
L4-L5	100.000	16.142	16.125	0.326	-0.081



KERB RETURN SETOUT DETAIL

file name: 309131CR500.dwg, layout name: CR503, plotted by: John Casparich, plot date: 28/04/2023 8:49 AM, sheet: 15 of 19, sheets

Rev	Description	Scale	Author	Date
2	AS CONSTRUCTED	B. W		27/04/23
1	ALIGNMENT 'L' REVISED	B.W		31/03/23
0	ISSUED FOR CONSTRUCTION	B.W		27/07/22
B	AMENDED ALIGNMENT L	B.W		22/07/22
A	PRELIMINARY ISSUE	B.W		19/05/22
	Amendments		Approved	Date



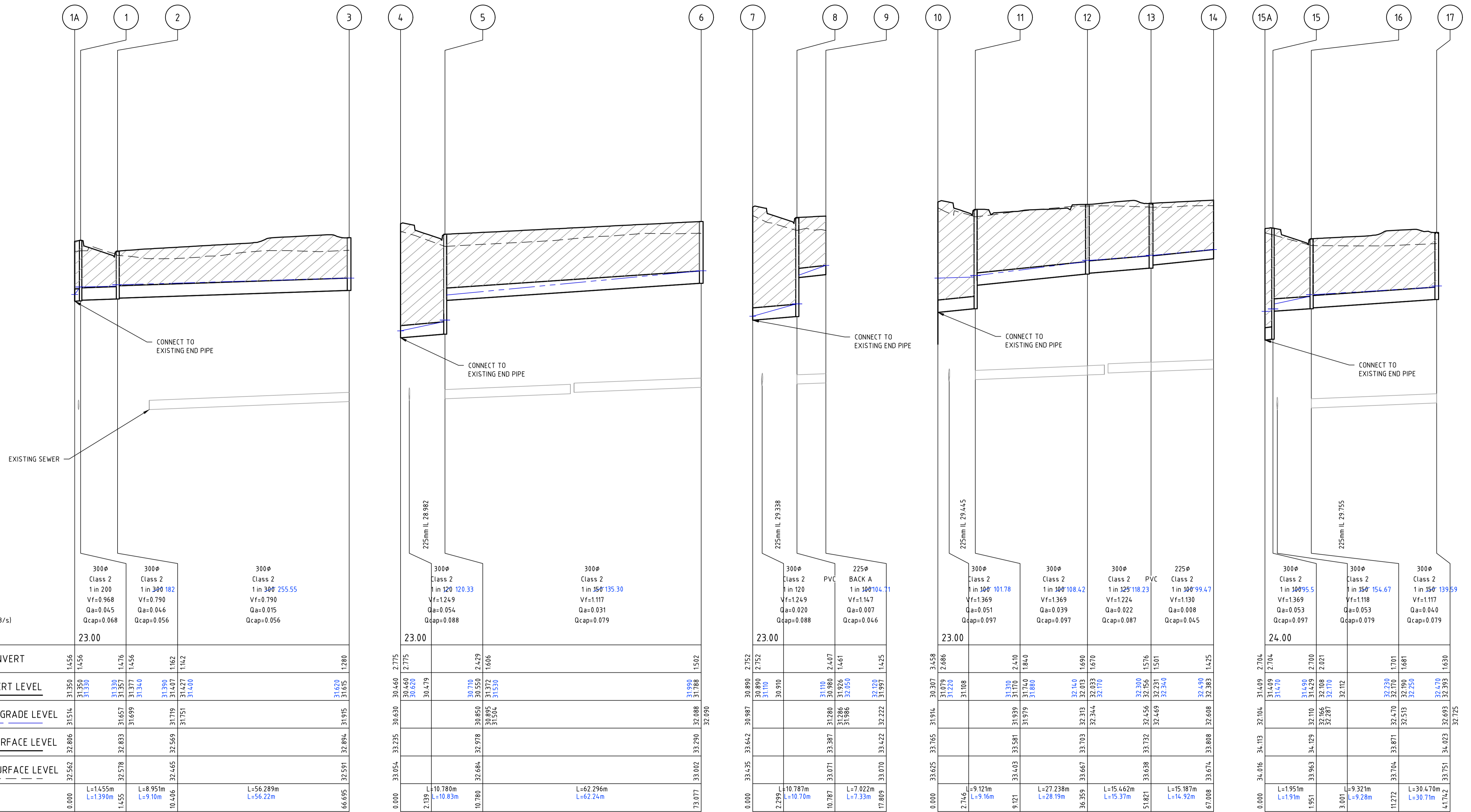
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YourLand Developments

Designed: M. WRIGHT
Checked: T. ZAHLE
Authorised: B. WAREHAM
Date: APR 2023

**OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
INTERSECTION DETAILS - SHEET 4**
CARDINIA SHIRE
YOURLAND PTY LTD

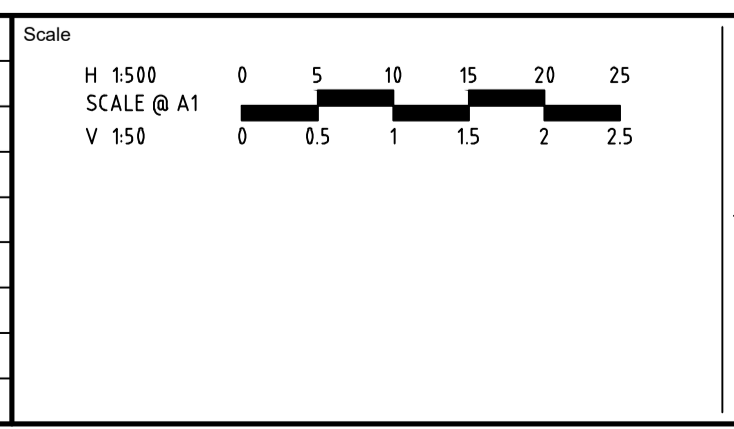
AS CONSTRUCTED Drg No: 309131CR503 Rev: 2



NOTE: AS CONSTRUCTED LEVELS ARE SHOWN IN BLUE.

file name: 309131CR600.dwg, layout name: CR600, plotted by: John Casparis, file location: \\spire\projects\309131\309131.dwg, plot date: 28/04/2023 8:49 AM, Sheet 16 of 19, Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	ADDED 1A AND 15A	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22



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 VICTORIA 8007 AUSTRALIA T 61 3 9993 7888
 spiire.com.au ABN 55 050 029 635

Designed
M. WRIGHT

Checked
T. ZAHLE

Authorised
B. WAREHAM

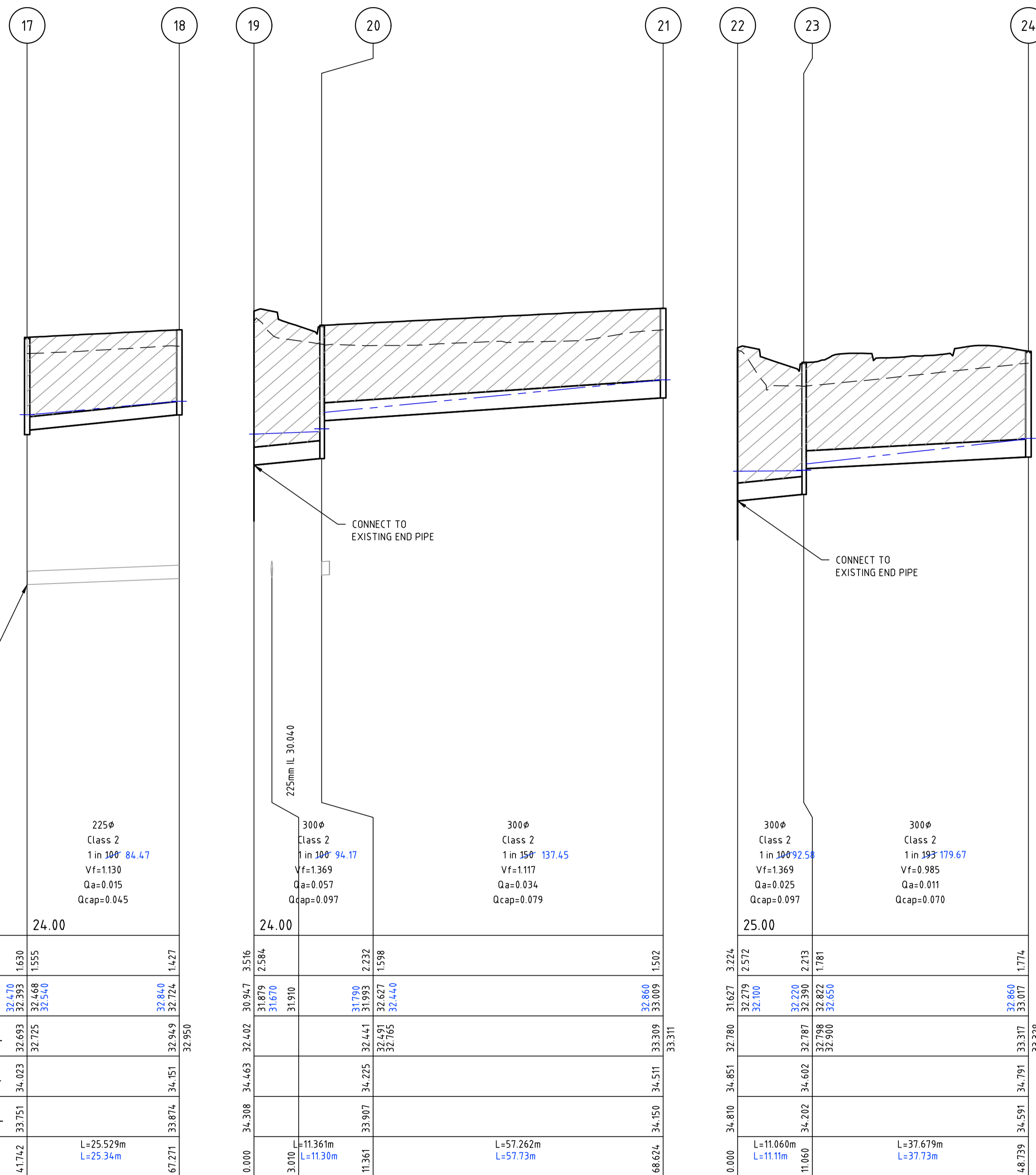
Date
APR 2023

**OFFICER CENTRAL
 STAGE 3A
 ROAD AND DRAINAGE
 DRAINAGE LONG SECTIONS - SHEET 1
 CARDINIA SHIRE
 YOURLAND PTY LTD**

AS CONSTRUCTED

Drg No
309131CR600

Rev
1



Pipe Diameter	225 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 100' 84.47
Velocity (m/s)	Vf=1.130
Pipe Flow (m ³ /s)	Qa=0.015
Pipe Capacity (m ³ /s)	Qcap=0.045
DATUM RL	24.00
DEPTH TO INVERT	1.620
DESIGN INVERT LEVEL	32.470
HYDRAULIC GRADE LEVEL	32.468
FINISHED SURFACE LEVEL	34.023
EXISTING SURFACE LEVEL	33.751
CHAINAGE	L=25.529m L=25.34m

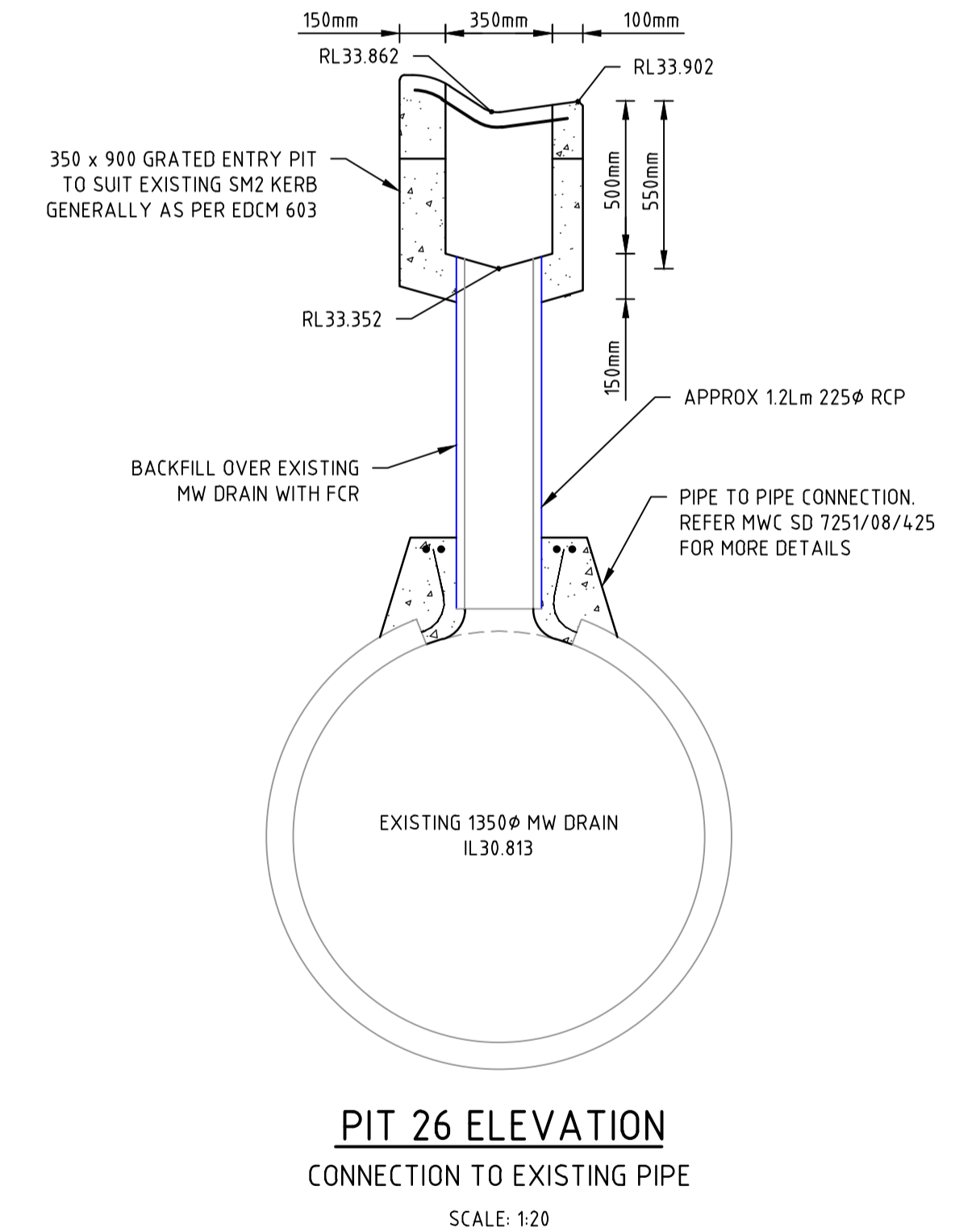
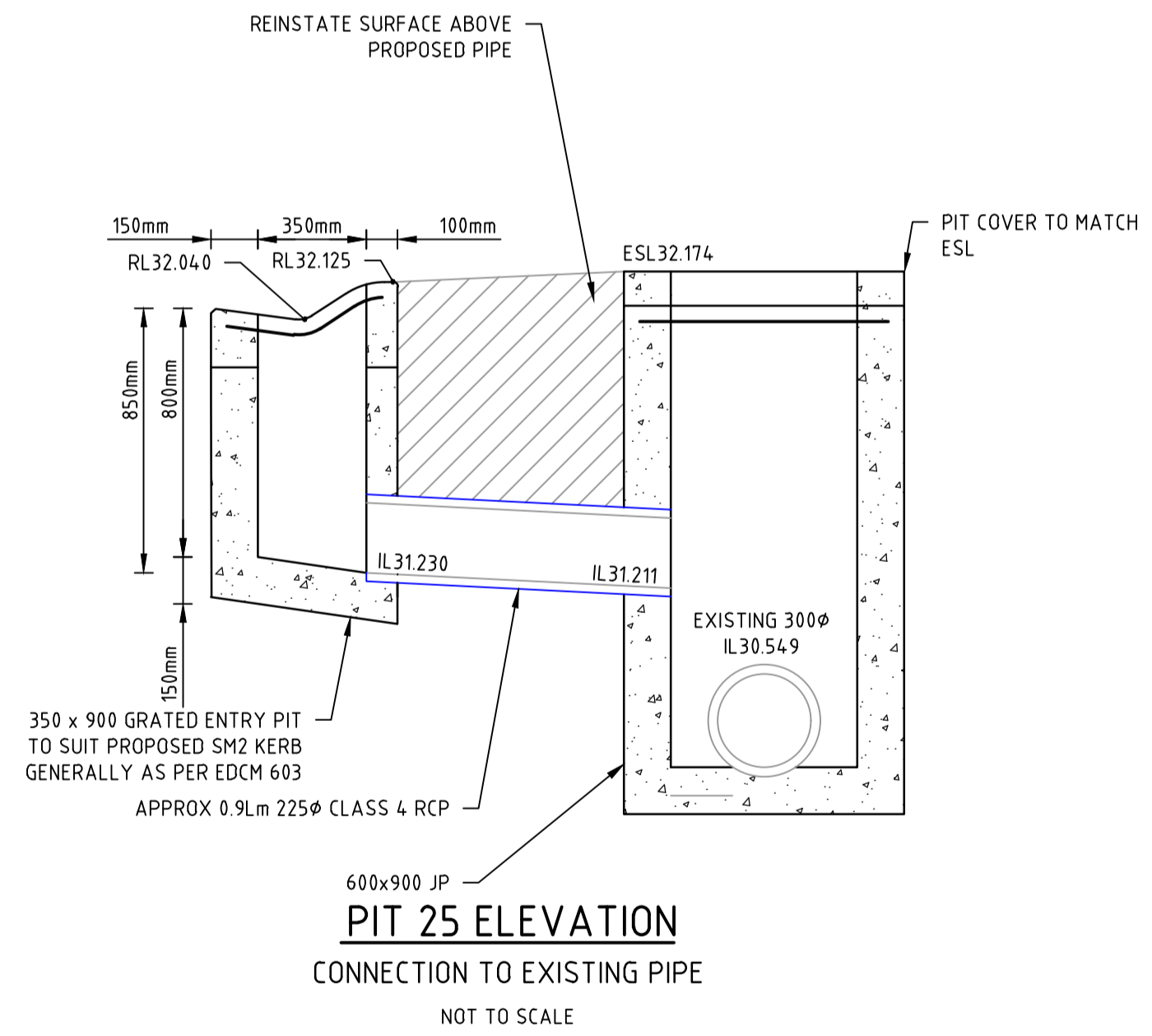
Pipe Diameter	300 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 100' 94.17
Velocity (m/s)	Vf=1.369
Pipe Flow (m ³ /s)	Qa=0.057
Pipe Capacity (m ³ /s)	Qcap=0.097
DATUM RL	24.00
DEPTH TO INVERT	2.356
DESIGN INVERT LEVEL	31.879
HYDRAULIC GRADE LEVEL	31.870
FINISHED SURFACE LEVEL	34.463
EXISTING SURFACE LEVEL	33.907
CHAINAGE	L=11.361m L=11.30m

Pipe Diameter	300 ϕ
Pipe Class	Class 2
Pipe Grade	1 in 150' 137.45
Velocity (m/s)	Vf=1.117
Pipe Flow (m ³ /s)	Qa=0.034
Pipe Capacity (m ³ /s)	Qcap=0.079
DATUM RL	25.00
DEPTH TO INVERT	2.213
DESIGN INVERT LEVEL	32.779
HYDRAULIC GRADE LEVEL	32.770
FINISHED SURFACE LEVEL	34.851
EXISTING SURFACE LEVEL	34.202
CHAINAGE	L=11.060m L=11.11m

DRAINAGE PIT SCHEDULE

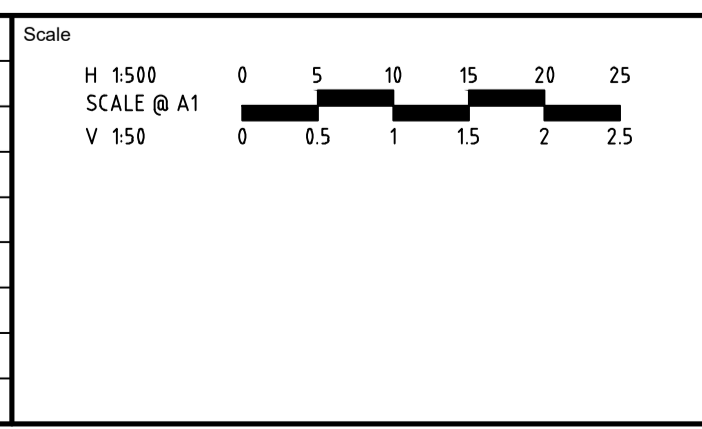
NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
1A	ENDPIPE			300	31.350			32.806	1.456	
1	JUNCTION PIT	600	900	300	31.377	300	31.357	32.833	1.476	REFER EDM 605
2	GRADED SIDE ENTRY PIT	600	900	300	31.427	300	31.407	32.569	1.162	REFER EDM 603
3	JUNCTION PIT	600	900			300	31.615	32.894	1.280	REFER EDM 605
4	ENDPIPE			300	30.460			33.235	2.775	
5	GRADED SIDE ENTRY PIT	600	900	300	31.372	300	30.550	32.978	2.429	REFER EDM 603
6	JUNCTION PIT	600	900			300	31.788	33.290	1.502	REFER EDM 605
7	ENDPIPE			300	30.890			33.642	2.752	
8	GRADED SIDE ENTRY PIT	600	900	225	31.926	300	30.980	33.387	2.407	REFER EDM 603
9	ENDPIPE					225	31.997	33.422	1.425	CONNECT TO LOT 352 DRAINAGE
10	ENDPIPE			300	31.079			33.765	3.458	
11	GRADED SIDE ENTRY PIT	600	900	300	31.740	300	31.170	33.581	2.410	REFER EDM 603
12	GRADED SIDE ENTRY PIT	600	900	300	32.033	300	32.013	33.703	1.690	REFER EDM 603
13	GRADED SIDE ENTRY PIT	600	900	225	32.231	300	32.156	33.732	1.576	REFER EDM 603
14	ENDPIPE					225	32.383	33.808	1.425	CONNECT TO LOT 34.8 DRAINAGE
15A	ENDPIPE			300	31.409			34.113	2.704	
15	JUNCTION PIT	600	900	300	32.108	300	31.429	34.129	2.700	REFER EDM 605
16	GRADED SIDE ENTRY PIT	600	900	300	32.190	300	32.170	33.871	1.701	REFER EDM 603
17	GRADED SIDE ENTRY PIT	600	900	225	32.468	300	32.393	34.023	1.630	REFER EDM 603
18	JUNCTION PIT	600	900			225	32.724	34.151	1.427	REFER EDM 605
19	ENDPIPE			300	31.879			34.463	3.516	
20	GRADED SIDE ENTRY PIT	600	900	300	32.627	300	31.993	34.225	2.232	REFER EDM 603
21	JUNCTION PIT	600	900			300	33.009	34.511	1.502	REFER EDM 605
22	ENDPIPE			300	32.279			34.851	3.224	
23	GRADED SIDE ENTRY PIT	600	900	300	32.822	300	32.390	34.602	2.213	REFER EDM 603
24	GRADED SIDE ENTRY PIT	600	900			300	33.017	34.791	1.774	REFER EDM 603
25	GRADED ENTRY PIT	350	900			225	31.230	32.040	0.810	REFER TO DETAIL BELOW
26	GRADED ENTRY PIT	350	900			225	33.352	33.862	0.510	REFER TO DETAIL BELOW

NOTE: WHERE PIT DEFLECTION ANGLE IS FROM 50°-90°, PROVIDE DEFLECTOR IN PIT FLOOR.



file name: 309131CR601.dwg, layout name: CR601, plotted by: John Casarachi, file location: \\spire\casarachi\Drawings\309131CR601.dwg, plot date: 28/04/2023 8:49 AM, Sheet: 17 of 19, Sheets

Rev	Description	Scale	Approved	Date
2	AS CONSTRUCTED	B. W		27/04/23
1	REVISED PIT 25 ELEVATION DETAILS	B. W		16/09/22
0	ISSUED FOR CONSTRUCTION	B. W		27/07/22
B	AMENDED PITS 25 AND 26, PIT SCHEDULE	B. W		25/07/22
A	PRELIMINARY ISSUE	B. W		19/05/22
Rev	Amendments		Approved	Date



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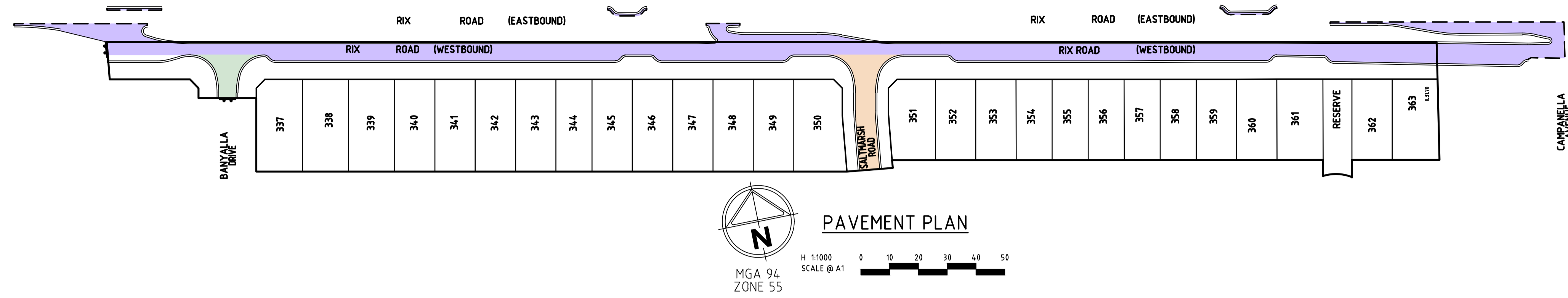
L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE VICTORIA 8007 AUSTRALIA T 61 3 9993 7888 spiire.com.au ABN 55 050 029 635

Designed: M. WRIGHT
 Authorised: B. WAREHAM
 Checked: T. ZAHLE
 Date: APR 2023

OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS - SHEET 2
 CARDINIA SHIRE
 YOURLAND PTY LTD
AS CONSTRUCTED Drg No: 309131CR601 Rev: 2

GENERAL NOTES:

- ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE, OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
- ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
- CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
- PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
- CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
- SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
- ALL DOWELS TO BE GRADE 250R STEEL BARS, 450mm LONG AND PLACED AT 300mm CENTRES. REFER CCAA - "CONCRETE PAVEMENT DESIGN FOR RESIDENTIAL STREETS" FOR DOWEL DIAMETERS. DOWELS MUST BE ACCURATELY PLACED TO ENSURE THE JOINT DOES NOT "LOCK". INSERTION OF DOWELS DURING THE PLACING OF CONCRETE IS NOT ACCEPTABLE. DOWELS MUST BE SAWN AND NOT CROPPED.
- ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.

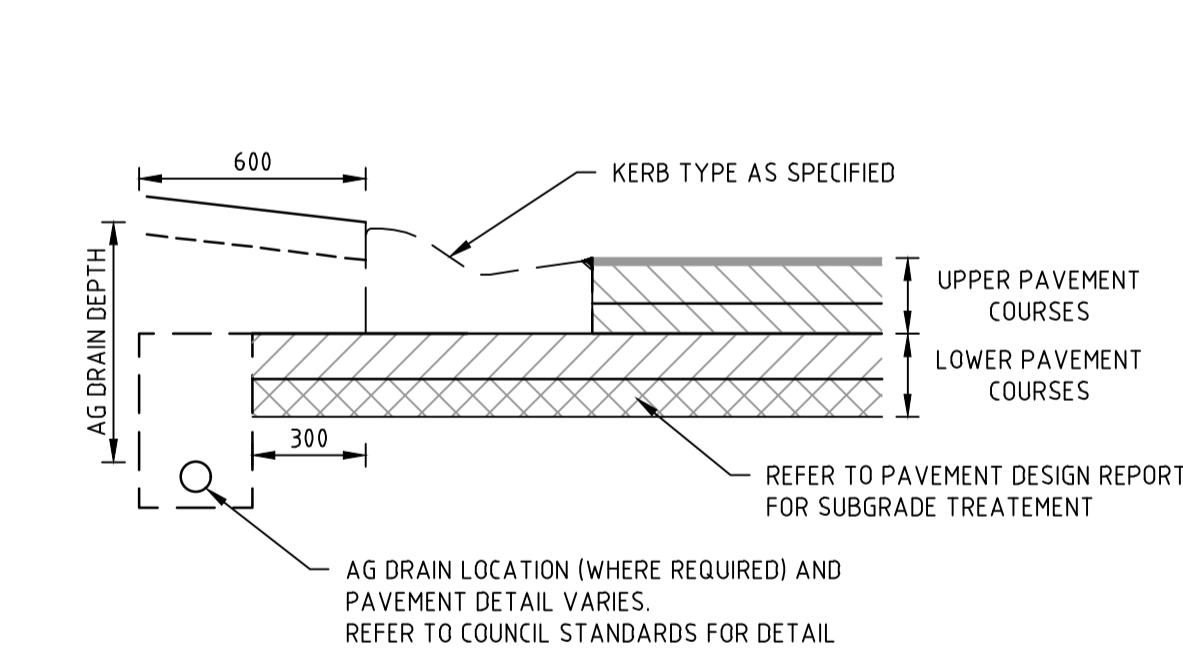


DESIGN PAVEMENT PROFILE

PAVEMENT LAYER	DESCRIPTION	DEPTH (mm)		
		TYPE A* (CONNECTOR)	TYPE B* (ACCESS STREET Level 2)	TYPE C* (ACCESS STREET Level 1)
ASPHALT WEARING COURSE	VICROADS SIZE 10 TYPE N CLASS C170 BINDER VICROADS SIZE 14 TYPE N CLASS C170 BINDER	-	40	30
ASPHALT INTERMEDIATE COURSE	VICROADS SIZE 14 TYPE H VICROADS SIZE 20 TYPE SI	40	-	-
ASPHALT BASE COURSE	VICROADS SIZE 10 TYPE N CLASS C170 BINDER VICROADS SIZE 14 TYPE HP CLASS A10E BINDER VICROADS SIZE 20 TYPE SI	90	40	30
BITUMINOUS PRIME	NOMINAL	-	-	-
BASE	VICROADS 20mm CLASS 2 CRUSHED ROCK OR EQUIVALENT	NOMINAL	NOMINAL	NOMINAL
UPPER SUBBASE	VICROADS 20mm CLASS 3 CRUSHED ROCK OR BETTER, 20mm CLASS CC3 CRUSHED CONCRETE OR BETTER	230	110	130
LOWER SUBBASE	VICROADS 20mm CLASS 3 CRUSHED ROCK OR BETTER, 20mm CLASS CC3 CRUSHED CONCRETE OR BETTER	-	240	160
SUBGRADE	SILTY CLAY WITH DESIGN CBR OF 3.5%	150	-	-
TOTAL PAVEMENT DEPTH		585	530	450

ROAD NAME	TYPE
RIX ROAD	A
BANYALLA DRIVE	B
SALTMARSH ROAD	C

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES



TYPICAL SUBSURFACE DRAIN DETAIL FOR NON-EXPANSIVE SUBGRADE
REFER TO AUTHORITY REQUIREMENTS FOR SPECIFIC DETAILS

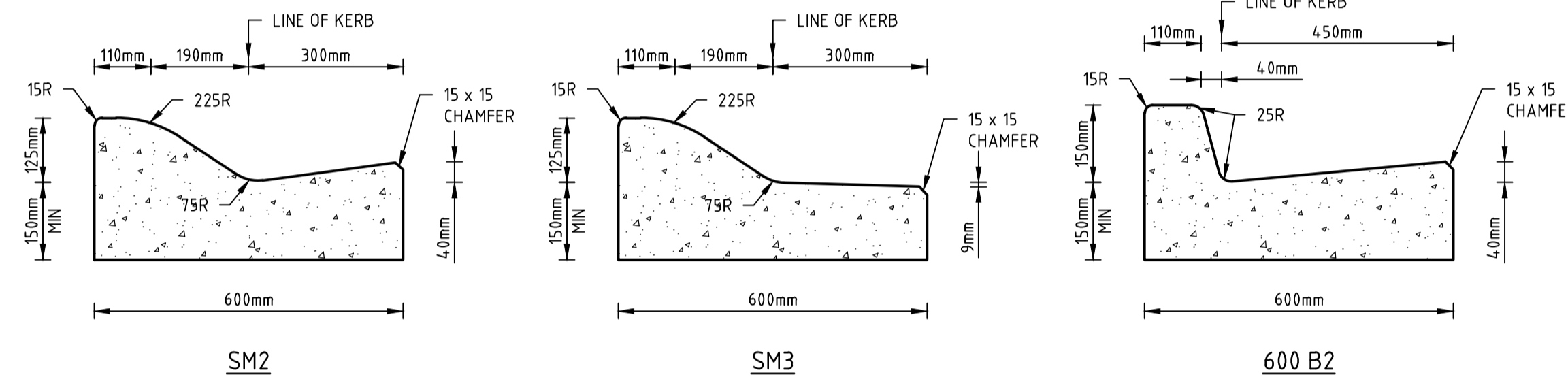
PAVEMENT DETAILS

THE PAVEMENT DESIGNS SHOWN HERE HAVE BEEN DESIGNED/PROVIDED BY COFFEY WHO ARE RESPONSIBLE FOR THE GEOTECHNICAL WORK ON THIS PROJECT. SPIIRE IS NOT RESPONSIBLE FOR THE WORK OF COFFEY.

THE DESIGN HAS BEEN EXTRACTED FROM THE LOT 2 45-51 RIX ROAD, OFFICER - GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN REPORT ON "GEOTECHNICAL INVESTIGATION FOR OFFICER CENTRAL" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

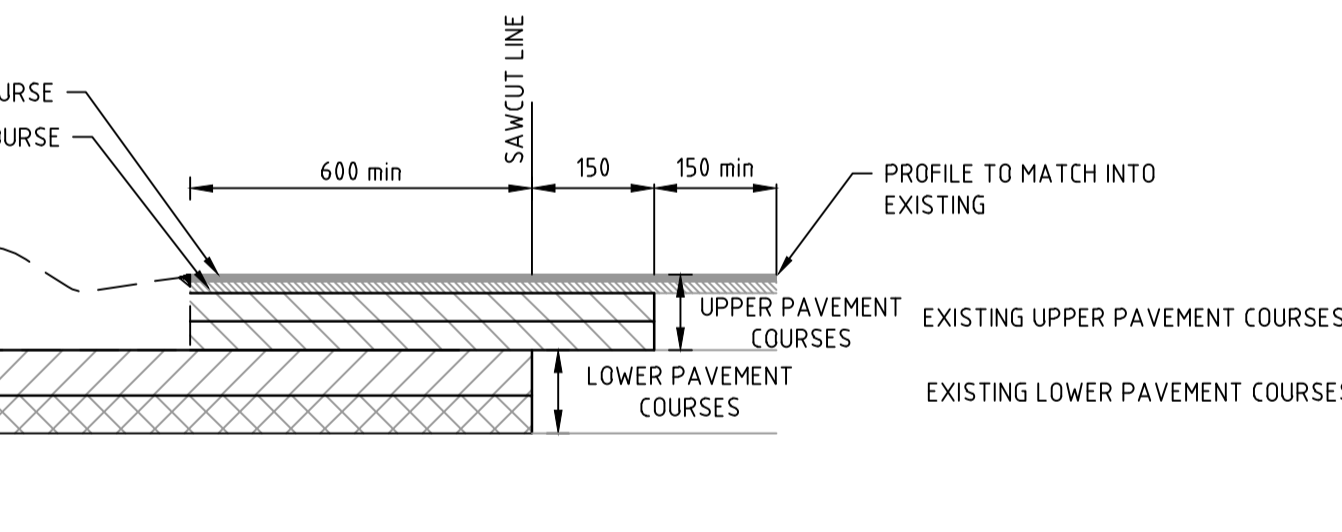
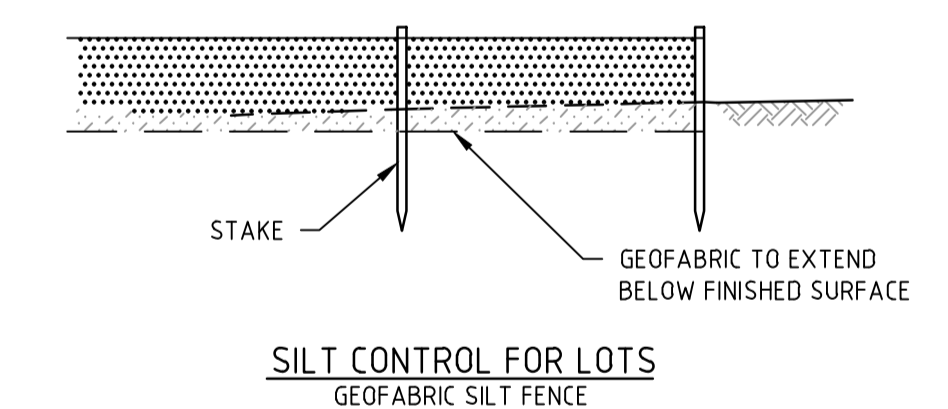
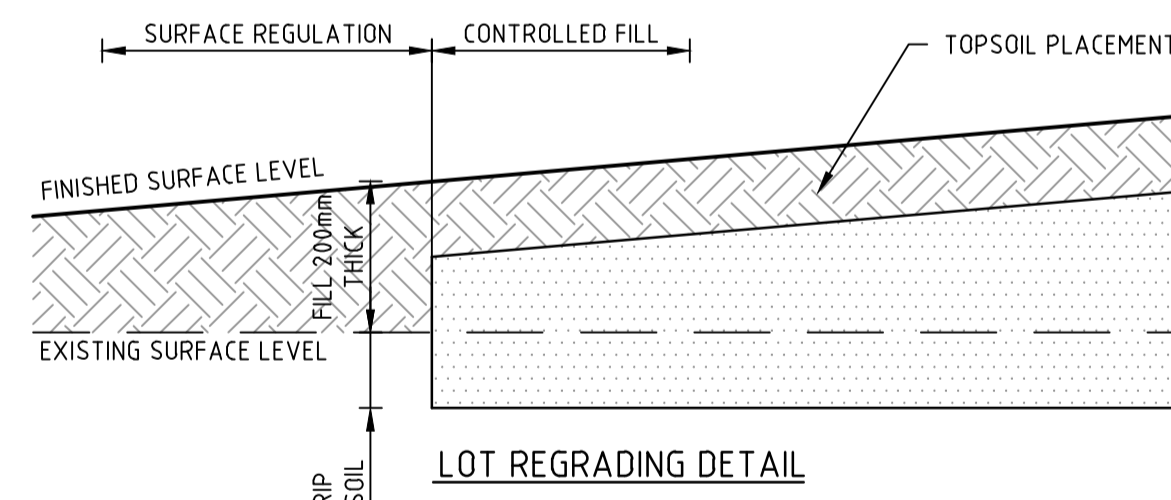
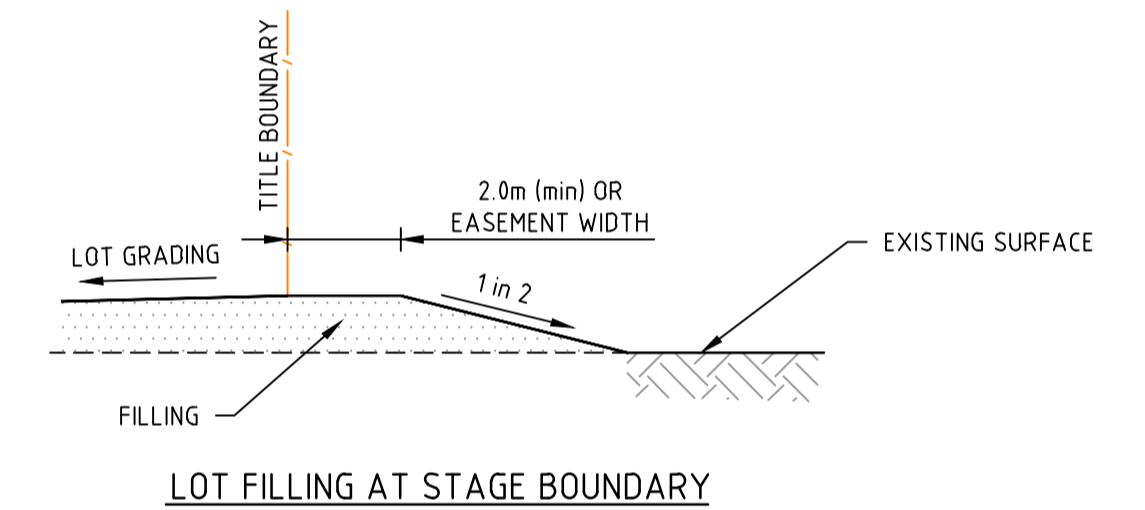
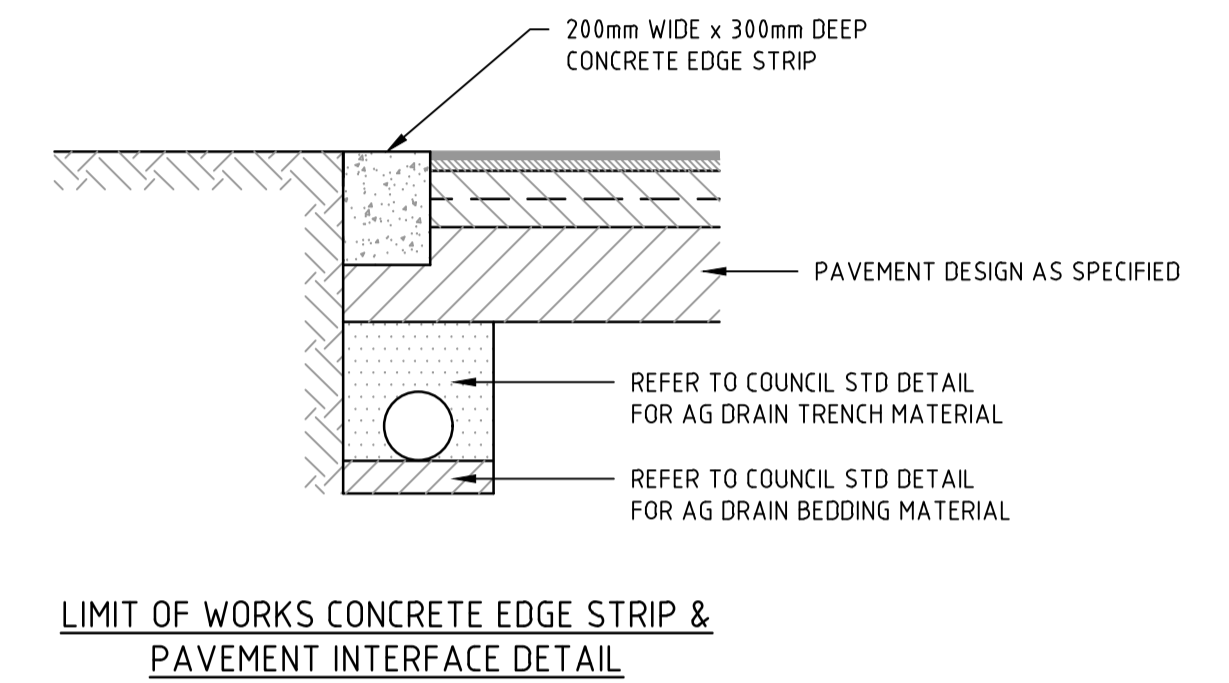
A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

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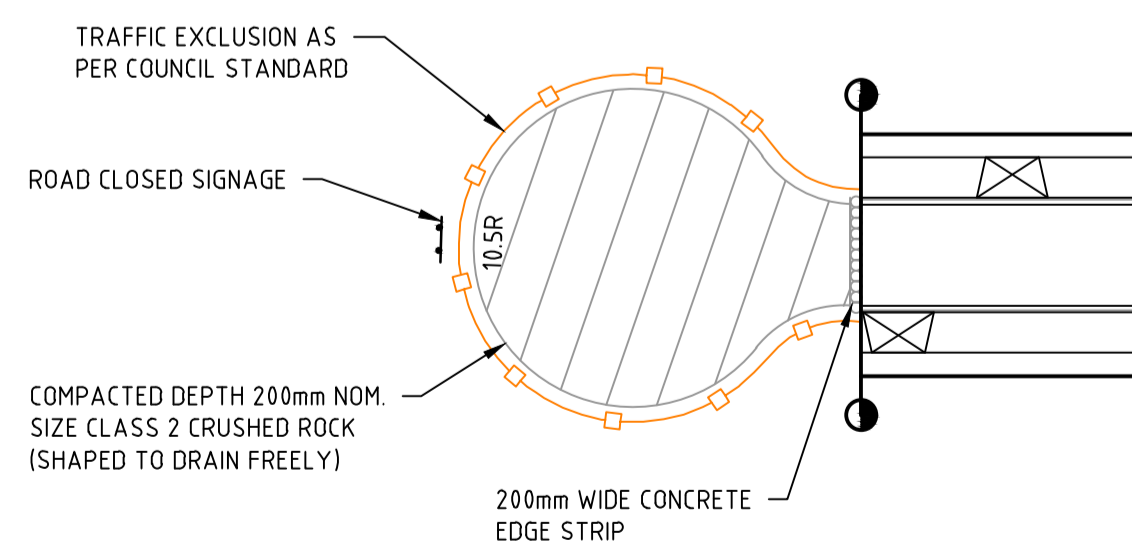


STANDARD KERB PROFILES

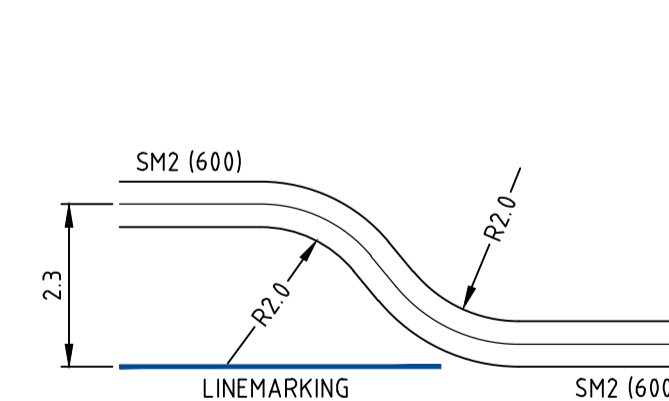
NOTE: ALL KERB & CHANNEL AS PER GAA STD DRAWING EDCM 301



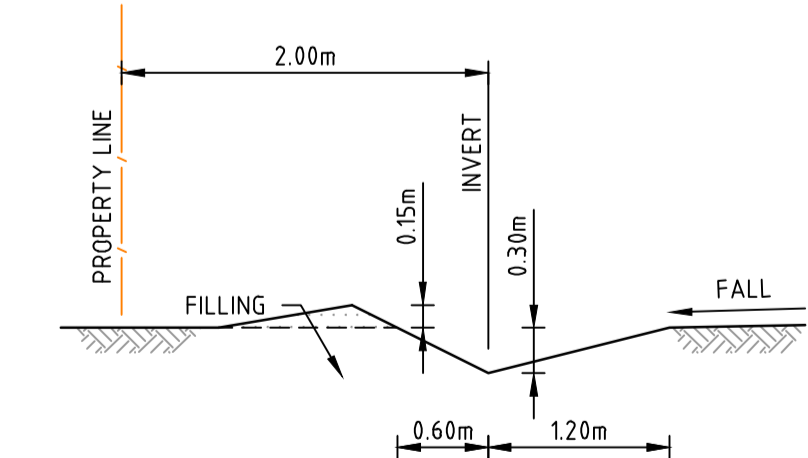
JOINT DETAIL FOR EXISTING ROAD PAVEMENT INTERFACE
NOT TO SCALE



TEMPORARY TURNING AREA DETAIL



PARKING BAY SETOUT



TYPICAL CATCH DRAIN SECTION

file name: 309131CR700.dwg, layout name: CR700, plotted by: John Casparich, file location: \\spire\projects\309131CR700\309131CR700.dwg, plot date: 28/04/2023 8:49 AM, Sheet: 18 of 19 Sheets

Rev	Amendments	Approved	Date
1	AS CONSTRUCTED	B. W	27/04/23
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED PAVEMENT TABLE	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22

Scale

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L6 414 LA TROBE STREET PO BOX 16084 MELBOURNE
 VICTORIA 8007 AUSTRALIA T 61 3 9993 7888
 spiire.com.au ABN 55 050 029 635

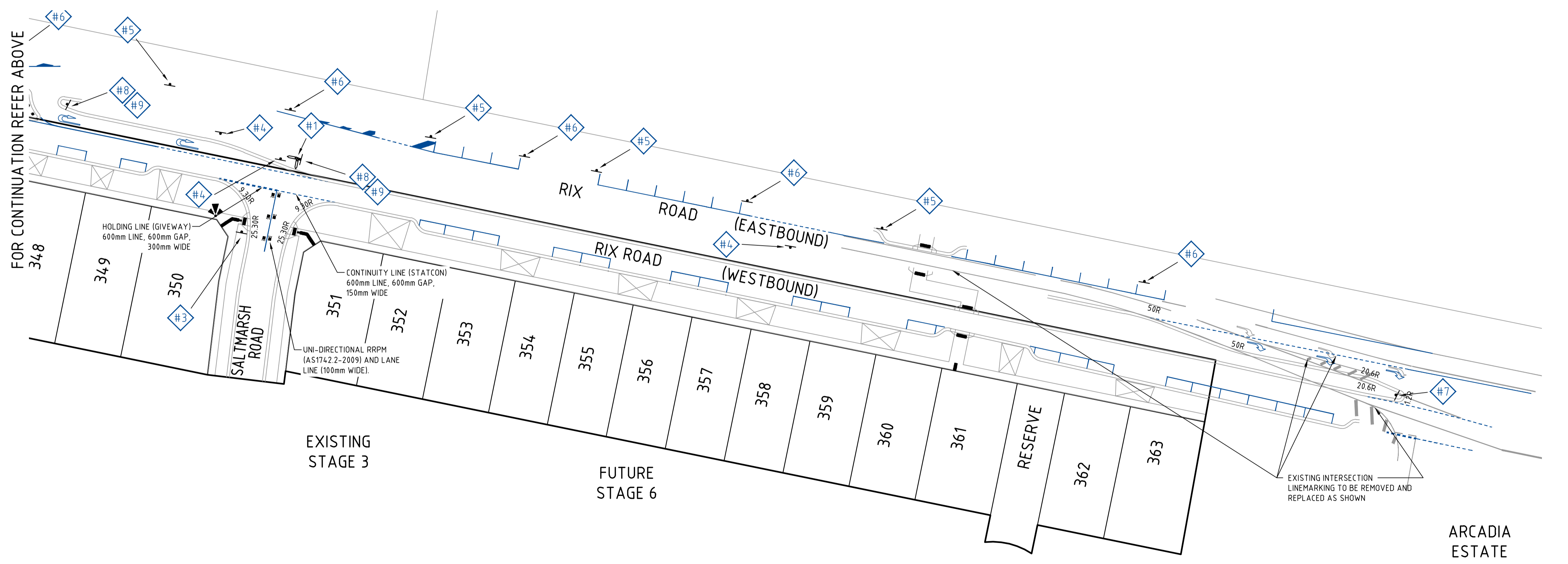
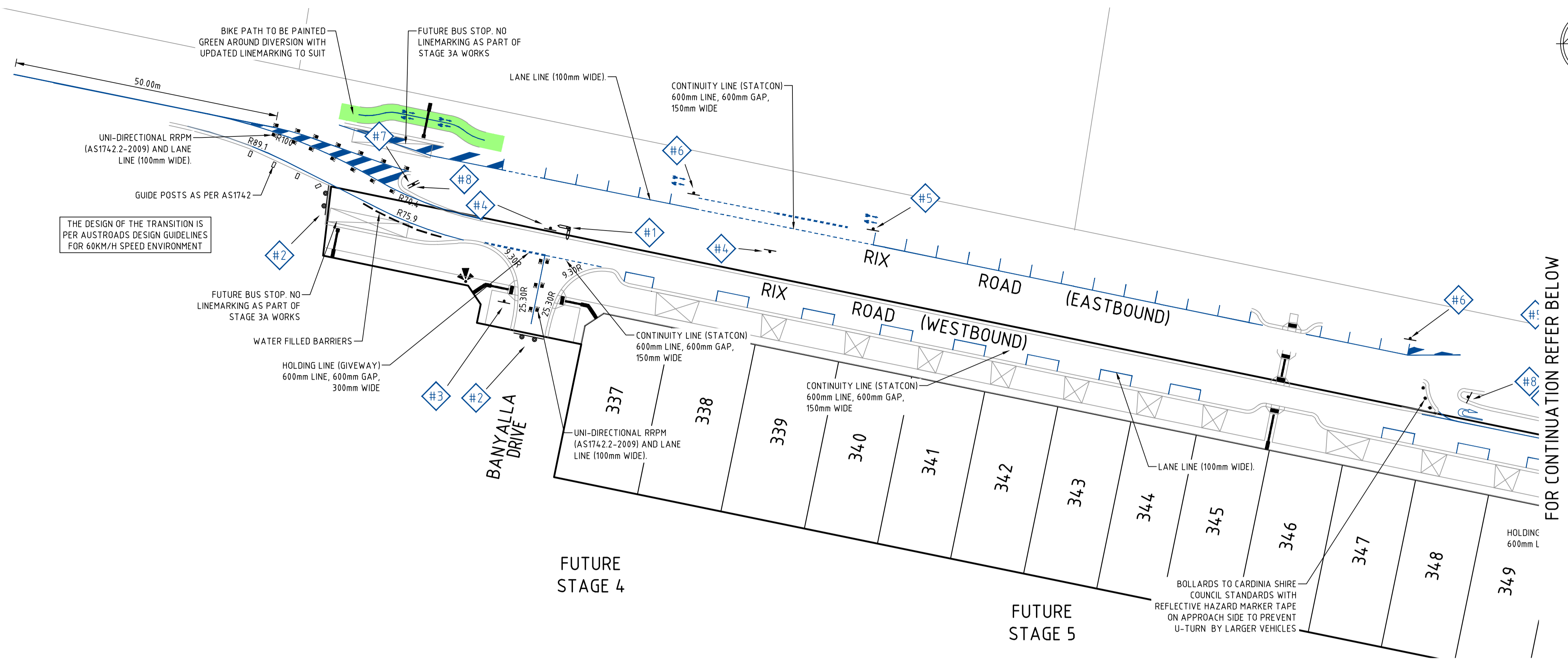
Designed: M. WRIGHT
 Authorised: B. WAREHAM
 Checked: T. ZAHLE
 Date: APR 2023

OFFICER CENTRAL
STAGE 3A
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS - SHEET 1
 CARDINIA SHIRE
 YOURLAND PTY LTD
AS CONSTRUCTED

Drg No: 309131CR700 Rev: 1

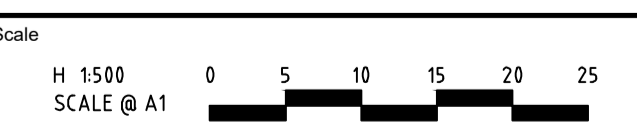
LEGEND

#1	STREET NAME	STREET NAME PLATES TO BE IN ACCORDANCE WITH CARDINIA SHIRE COUNCIL STANDARDS, INCLUDING "NO THROUGH ROAD" NOMINATION WHERE APPLICABLE
#2	ROAD CLOSED	G9-20
#3	GIVE WAY	R1-2
#4	ONE WAY	R2-2(L)
#5	NO U-TURN	R5-35(L)
#6	NO LEFT TURN	R5-35(R)
#7	KEEP LEFT	R2-3(L)
#8	NO TRUCKS	R2-5
#9	OVER 8m LONG	R9-V07-3



file name: 309131CR800.dwg, layout name: CR800, plotted by: John Casparis, file location: \\spire\projects\309131\309131.dwg, plot date: 28/04/2023 8:50 AM, Sheet 19 of 19, Sheets

5	AS CONSTRUCTED	B. W	27/04/23
4	NOTE AND RADIUS' ADDED FOR TRANSITION CURVATURES	B.W	03/04/23
3	TEMPORARY LINEMARKING & GUIDE POSTS REVISED	B.W	31/03/23
2	REVISED SIGNAGE	B.W	29/09/22
1	ADDED PEDESTRIAN SIGNAGE	B.W	16/09/22
0	ISSUED FOR CONSTRUCTION	B.W	27/07/22
B	AMENDED LINEMARKING, SIGNS 8 AND 9. ADDED U-TURN LANE BOLLARDS.	B.W	25/07/22
A	PRELIMINARY ISSUE	B.W	19/05/22
Rev	Amendments	Approved	Date



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STAGE 3A
ROAD AND DRAINAGE
SIGNAGE AND LINEMARKING
CARDINIA SHIRE
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Dwg No
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Rev
5