

# OFFICER CENTRAL STAGE 9 YOURLAND PTY LTD

CONSENT FOR CONSTRUCTION  
CARDINIA SHIRE COUNCIL  
Ref No: S23-055 - T220246  
Sheet: 1 of 18  
Approved by: Vithu Vijeyakumar  
Date: Wednesday, 8 May 2024

## LEGEND

DESCRIPTION	EXISTING	PROPOSED
WATER MAIN, VALVE AND HYDRANT	DW	DW
WATER RECYCLED	NDW	NDW
UNDERGROUND ELECTRICITY	E	E
OVERHEAD ELECTRICITY & POLE	OE	OE
TELECOMMUNICATIONS & SERVICE PIT	T	T
OPTIC FIBRE	OF	OF
OVERHEAD TELECOMMUNICATIONS	OT	OT
GAS MAIN	G	G
BRANCH SEWER & MAINTENANCE STRUCTURE	S	S
SEWER & MAINTENANCE STRUCTURE	S	S
SEWER RISING MAIN	SRM	SRM
CENTRAL INVERT	>	>
COUNCIL STORMWATER DRAIN AND PIT		
STORM WATER DRAINAGE PROPERTY INLETS		
COUNCIL STORM WATER PITS		
HOUSE DRAIN	H	H
AG DRAIN AND FLUSHER	AG	AG
MWC STORM WATER DRAIN & PIT		
MWC STORM WATER PITS		
STORM WATER DRAINAGE PIT NUMBER	Ex 47	1
GAS & WATER CONDUITS	GW	GW
CONCRETE VEHICLE CROSSING		
RIDGE / CHANGE OF GRADE LINE		
SURFACE CONTOUR MINOR	169.00	169.00
SURFACE CONTOUR MAJOR	168.90	168.90
SURFACE LEVEL	E123.45	F124.68
BATTER LEVEL (TOP / TOE)	T124.80	T124.80
RETAINING WALL LEVEL (TOP/BOTTOM)	TW112.76	TW128.50 BW126.74
EARTHWORKS GRADE		1 in 150
SIGN AND POST		
LIGHT & POLE (BY OTHERS)		
STREET SIGN		
PERMANENT SURVEY MARK		
TEMPORARY BENCH MARK		
BOLLARD		
ROAD CHAINAGES	CH116.57 (L/R)T/P CH116.57	CH116.57 (L/R)T/P CH116.57
LOT CHAINAGES	CH20.06	CH20.06
SETOUT POINT		A2
LIMIT OF WORKS		
BATTER		
EXCAVATION GREATER THAN 0.20m		
FILLING GREATER THAN 0.20m		
ROCK BEACHING		
PUBLIC LIGHTING		
FENCE - TREE PROTECTION		
FENCE - VEHICLE EXCLUSION		
FENCES		
GUARD RAIL		
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

## GENERAL NOTES:

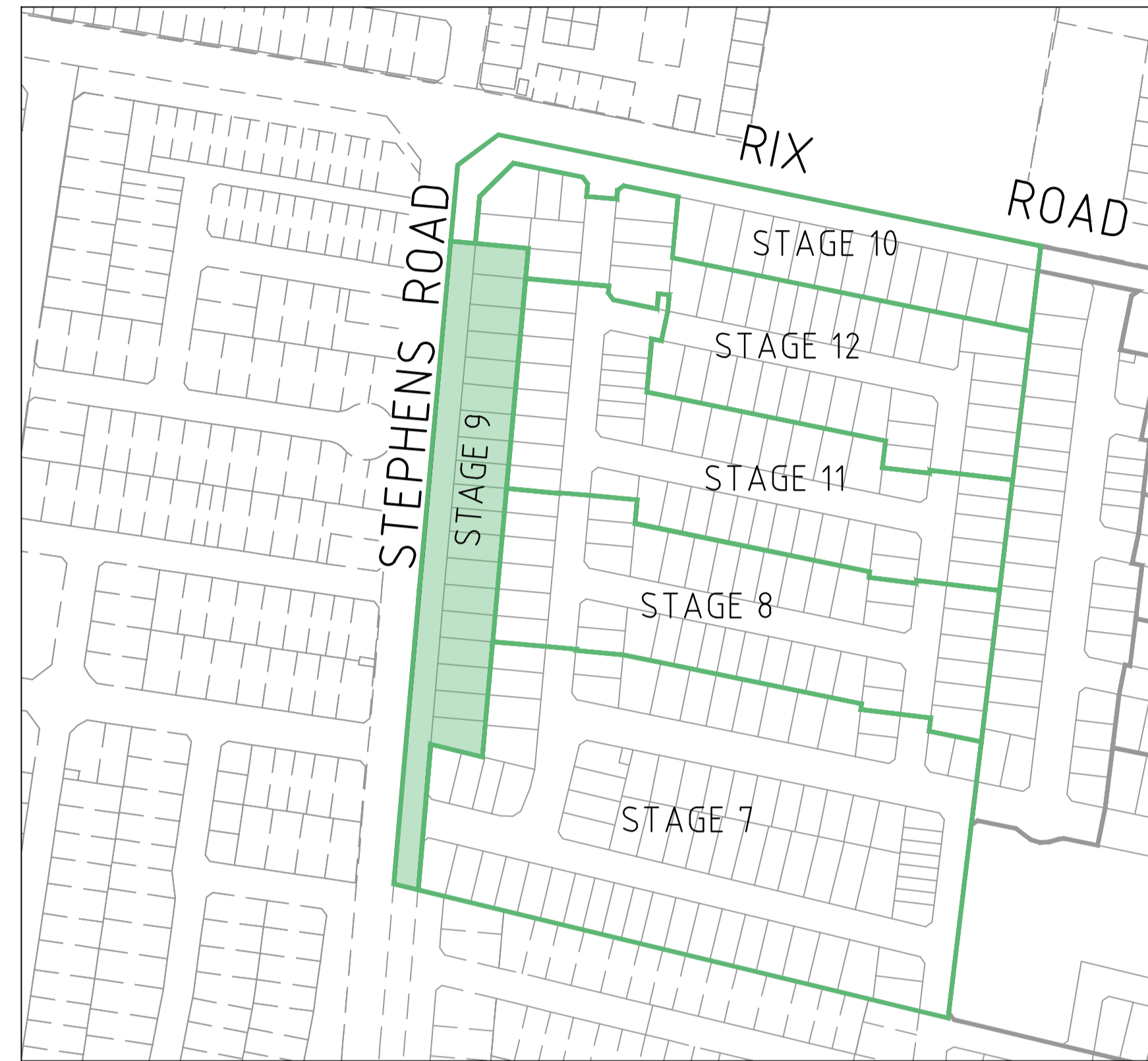
### SURVEY

- 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 150mm 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, DESLUDGED 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 EDCM303
- ALL HOUSE DRAIN CONNECTIONS ARE TO BE CONNECTED INTO EXISTING DRAINAGE.
- CONTRACTOR TO REFER TO AND COMPLY WITH CHMP / F&F REPORTS PROVIDED IN CONTRACT DOCUMENTS
- \*COUNCIL WILL NOT ACCEPT ANY RESPONSIBILITY FOR WORKS WHERE AN INSPECTION IS NOT UNDERTAKEN WITH A COUNCIL APPOINTED REPRESENTATIVE
- 24 HOURS NOTICE IS REQUIRED FOR INSPECTION AT THE FOLLOWING HOLD POINTS:  
PRIOR TO COMMENCEMENT OF THE WORKS.  
INSPECTION OF THE SUBGRADE.  
INSPECTION DURING DRAINAGE WORKS.  
INSPECTION PRIOR TO POURING OF PITS.  
INSPECTION OF SUB SOIL DRAINAGE.  
INSPECTION OF KERB AND CHANNEL BEDDING.  
INSPECTION PRIOR TO ANY CONCRETE WORKS.  
INSPECTION AND TESTING OF EACH PAVEMENT LAYER (BY DEVELOPER OR CONTRACTOR).  
PRIOR TO PLACING ANY SUBSEQUENT PAVEMENT LAYER.  
COMPACTION TEST RESULTS SHALL BE ISSUED TO COUNCIL.  
INSPECTION PRIOR TO SEALING AND ASPHALT WORKS.  
ANY OTHER INSPECTION HOLD POINT AS PER EDCM.



LOCALITY PLAN

NOT TO SCALE

## DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES - SHEET 1	1	1
CR200	ROAD LAYOUT PLANS - FACE PLAN	2	1
CR201	ROAD LAYOUT PLANS - SERVICES PLAN	3	1
CR202	ROAD LAYOUT PLANS - EARTHWORKS PLAN	4	1
CR300	ROAD LONG SECTIONS - SHEET 1	5	0
CR400	ROAD CROSS SECTIONS - SHEET 1	6	0
CR401	ROAD CROSS SECTIONS - SHEET 2	7	0
CR402	ROAD CROSS SECTIONS - SHEET 3	8	0
CR403	ROAD CROSS SECTIONS - SHEET 4	9	0
CR404	ROAD CROSS SECTIONS - SHEET 5	10	0
CR405	ROAD CROSS SECTIONS - SHEET 6	11	0
CR406	ROAD CROSS SECTIONS - SHEET 7	12	0
CR407	ROAD CROSS SECTIONS - SHEET 8	13	0
CR500	INTERSECTION DETAILS - SHEET 1	14	0
CR501	INTERSECTION DETAILS - SHEET 2	15	0
CR502	INTERSECTION DETAILS - SHEET 3	16	0
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	17	0
CR800	SIGNAGE AND LINEMARKING - SHEET 1	18	0



## 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.



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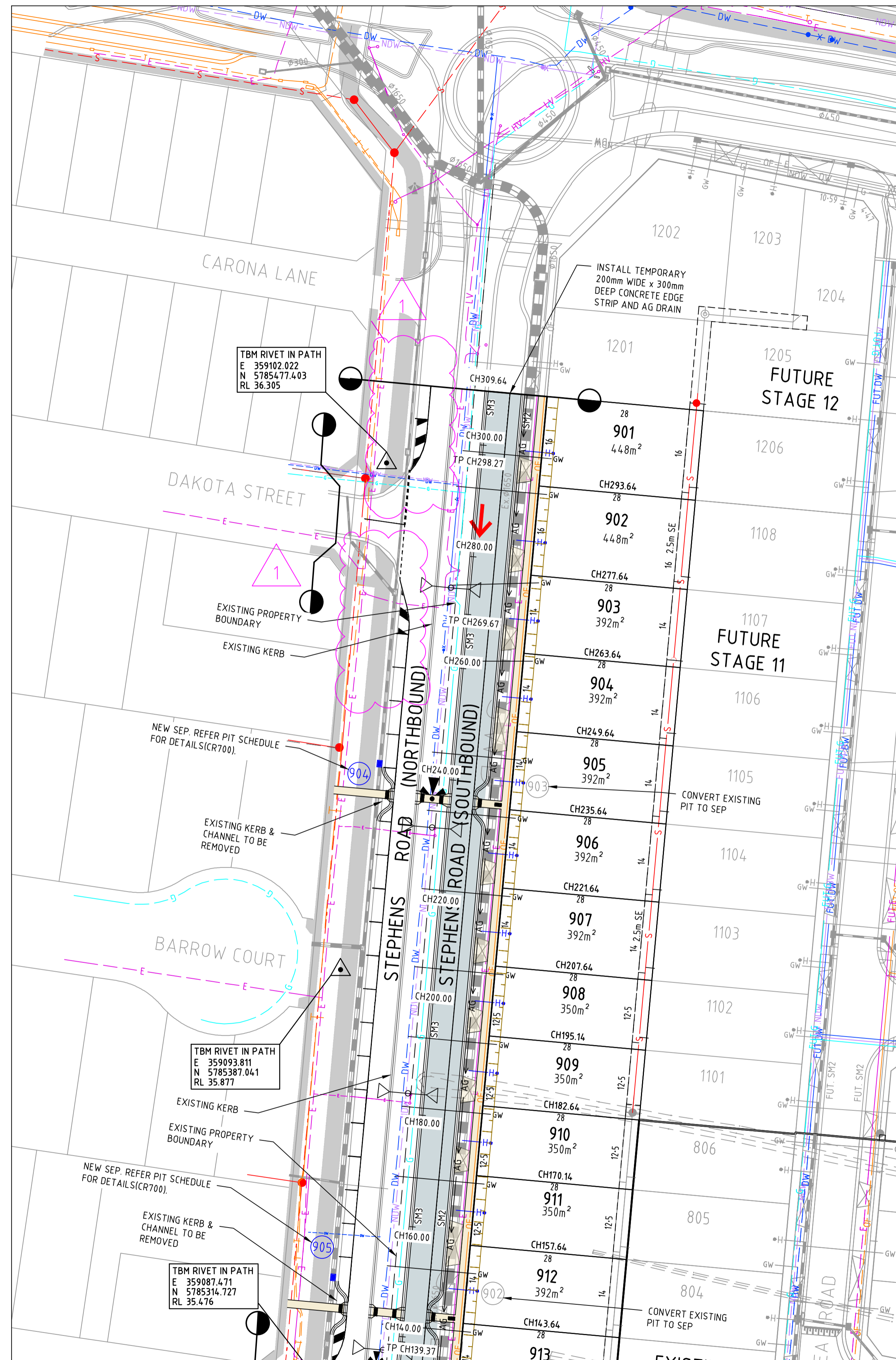
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Developments

Designed  
N.R.MATHEW  
Authorised  
B.WAREHAM

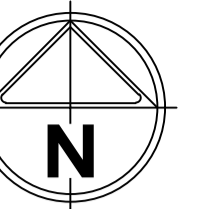
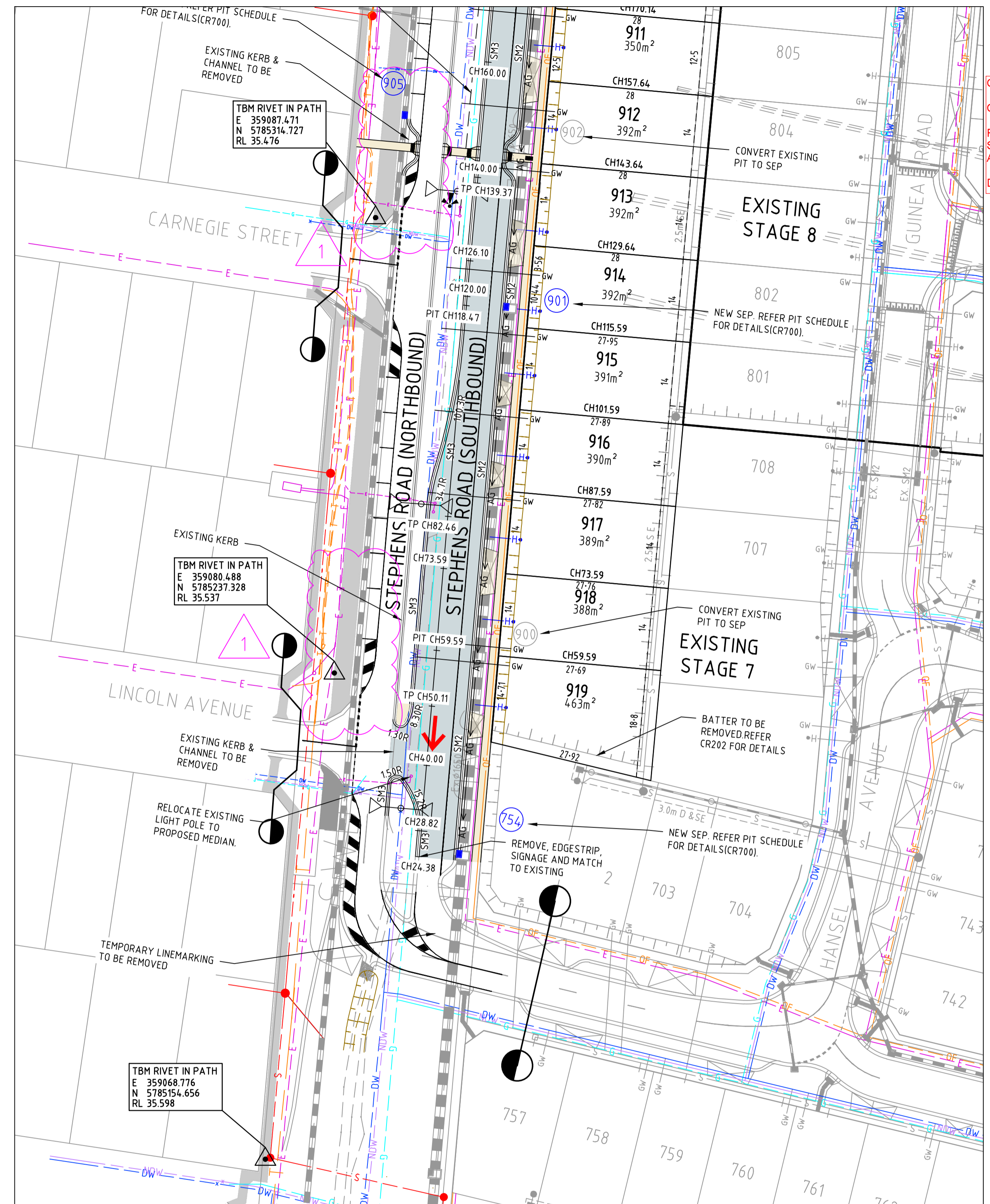
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**OFFICER CENTRAL  
STAGE 9  
ROAD AND DRAINAGE  
GENERAL NOTES**  
CARDINIA SHIRE  
YOURLAND PTY LTD

**CONSTRUCTION** Drg No: 310308CR100 Rev: 1



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MGA 94  
ZONE 55

**CONSENT FOR CONSTRUCTION**  
**CARDINIA SHIRE COUNCIL**  
 Ref No.: S23-055 - T220246  
 Sheet: 2 of 18  
 Approved by: Vithu Vijayakumar  
 CARDINIA SHIRE COUNCIL  
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 Developments

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 Authorised  
 B.WAREHAM

Checked  
 B.IBBS  
 Date  
 APRIL 2024

**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**ROAD LAYOUT PLANS - FACE PLAN**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

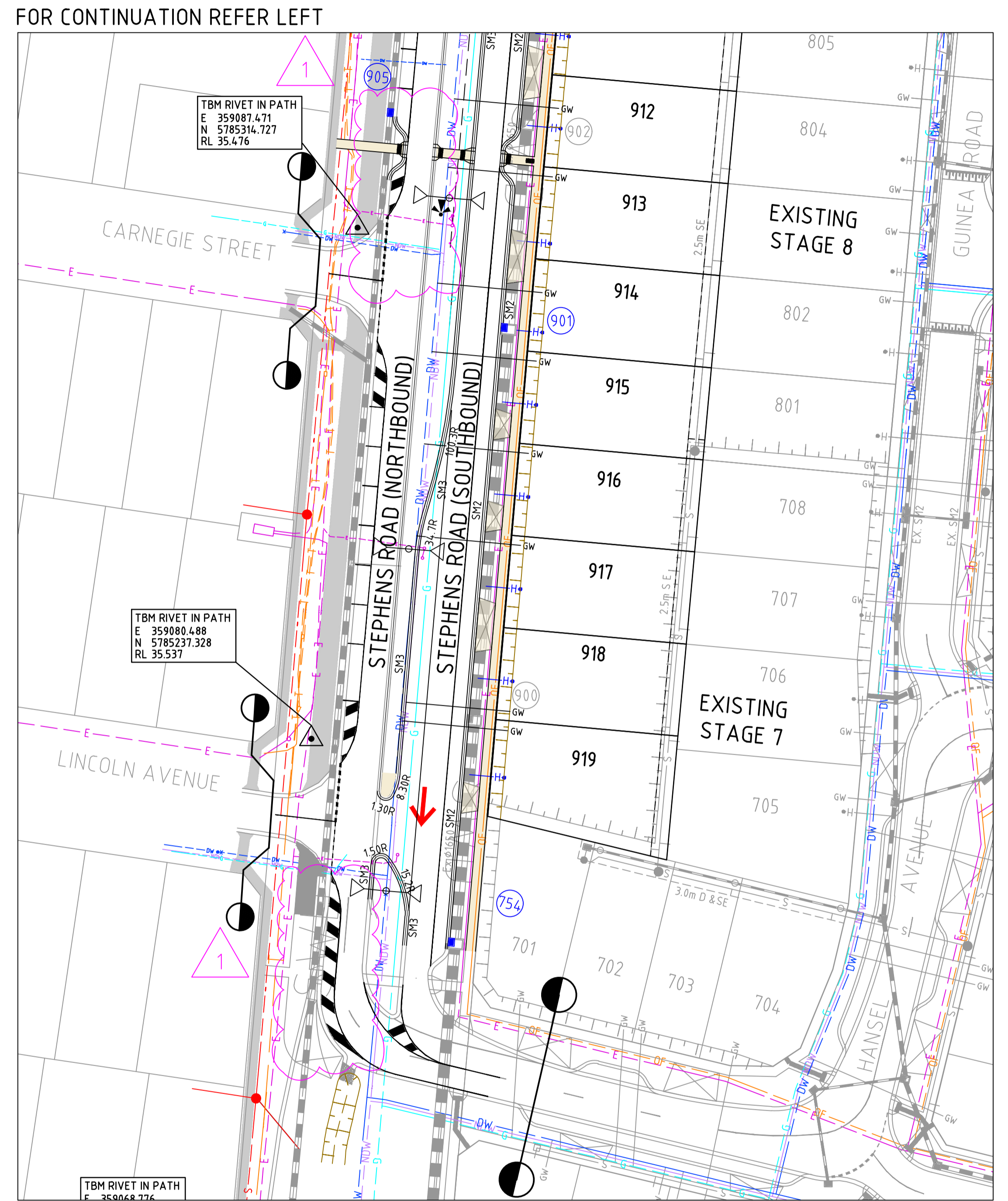
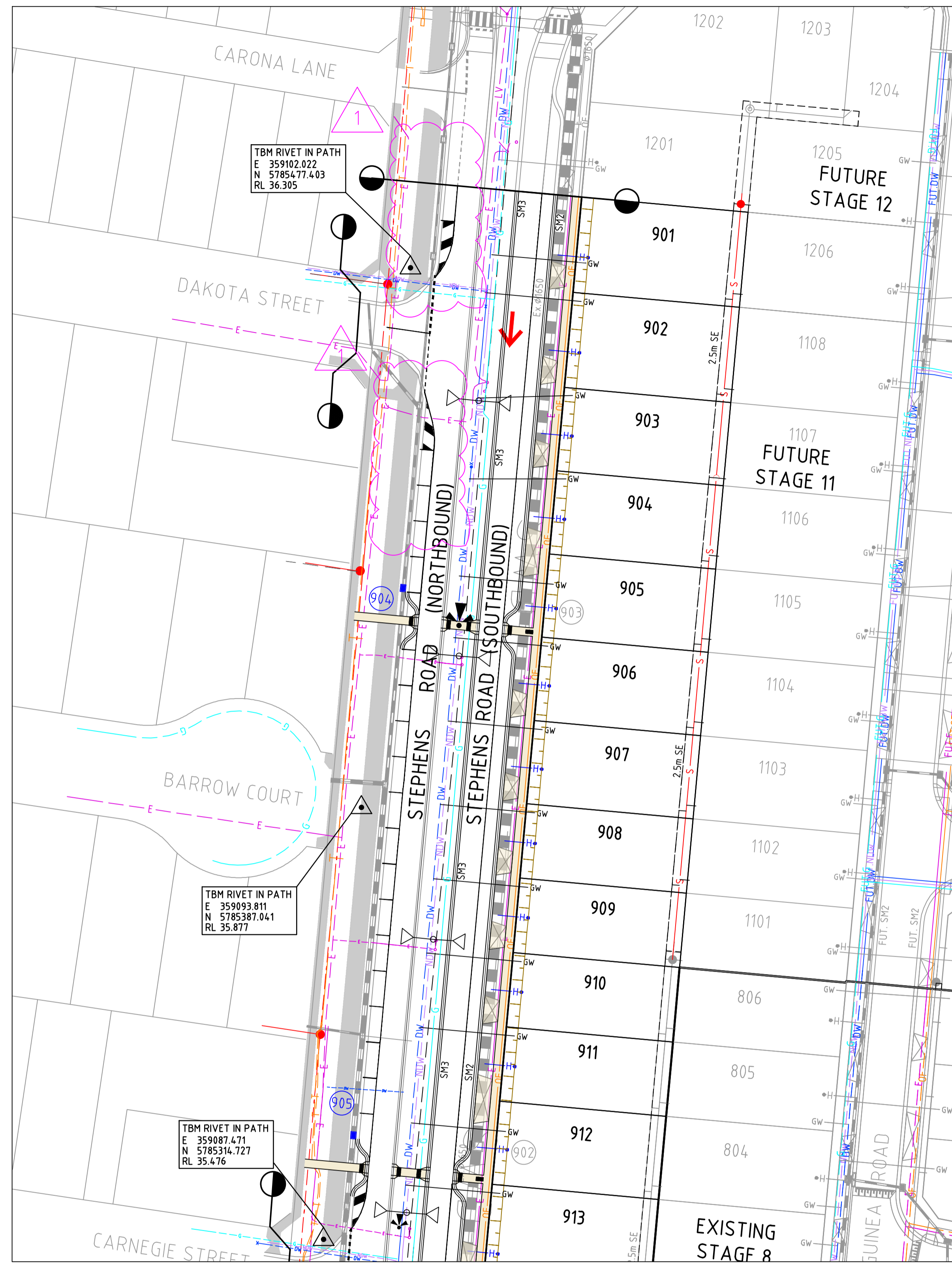
**CONSTRUCTION** 310308CR200

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Rev	Amendments	Approved	Date
1	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
B	COUNCIL COMMENTS	B.W	FEB 2023
A	PRELIMINARY ISSUE	B.W	DEC 2023



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**SERVICE LOCATION TABLE**

ROAD NAME	POTABLE WATER (EXISTING)		GAS		NBN (TELECOM)		ELECTRICITY				RECYCLED WATER (EXISTING)	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	POLE		U/G CABLE		SIDE	OFFSET
STEPHENS ROAD	(EX) W	1.30-1.44**	x	1.00	E	0.50	SIDE	OFFSET	SIDE	OFFSET	(EX) W	0.76-0.86**
							x	2.45	E	1.80		

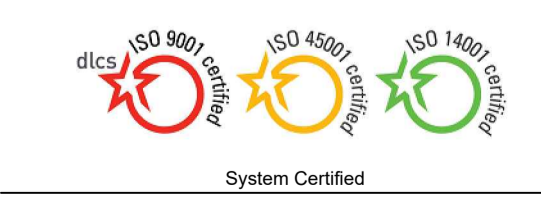
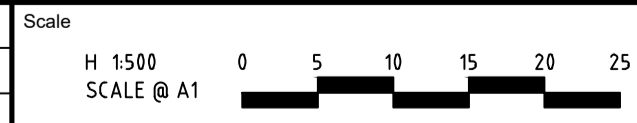
- TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG'S.
- GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH WHERE REQUIRED.
- x = OFFSET FROM BACK OF KERB (EAST SIDE OF MEDIAN).
- \*\* = OFFSET FROM WEST SIDE OF EXISTING PROPERTY BOUNDARY.



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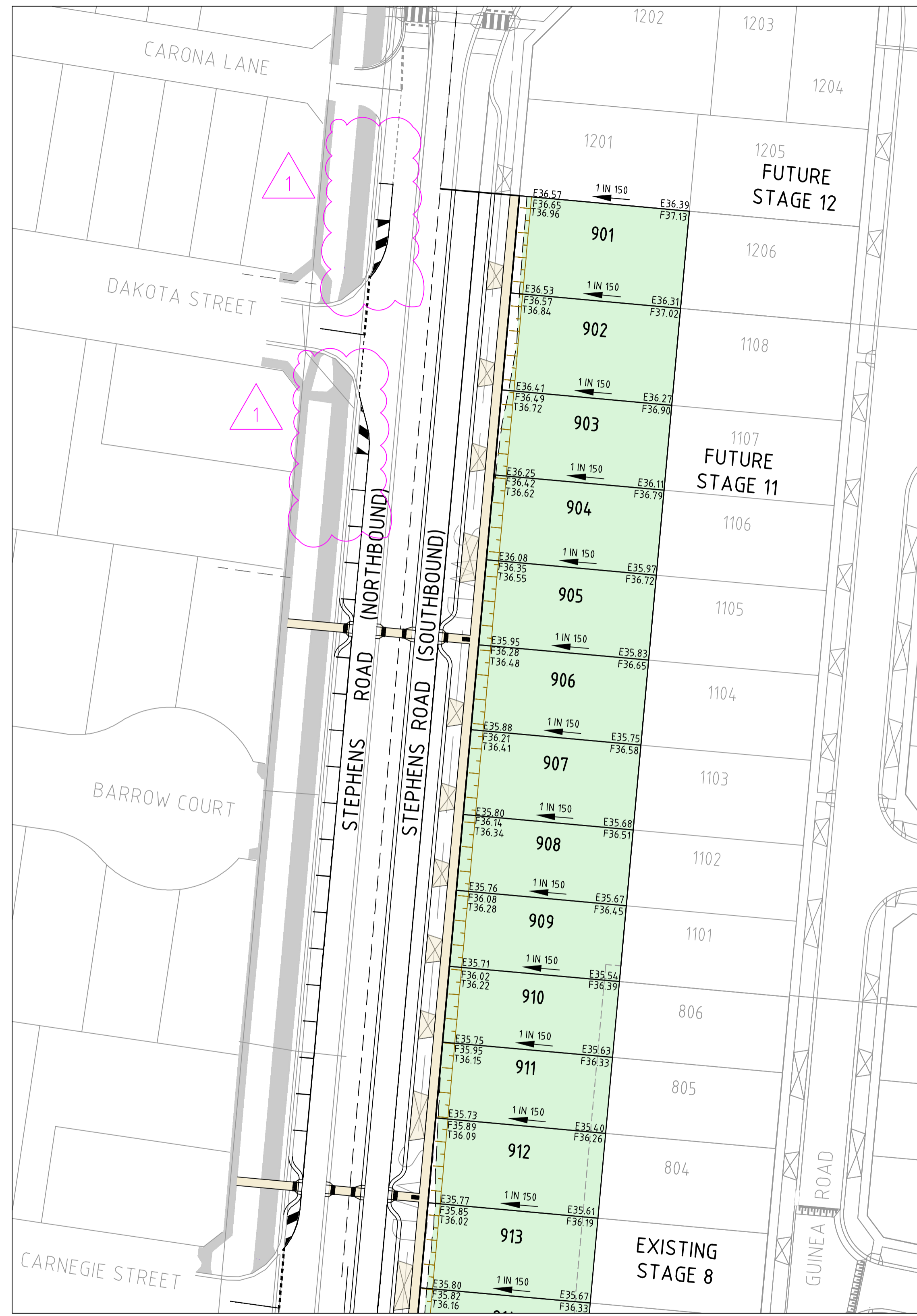
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 Authorised: B.WAREHAM  
 Checked: B.IBBS  
 Date: APRIL 2024

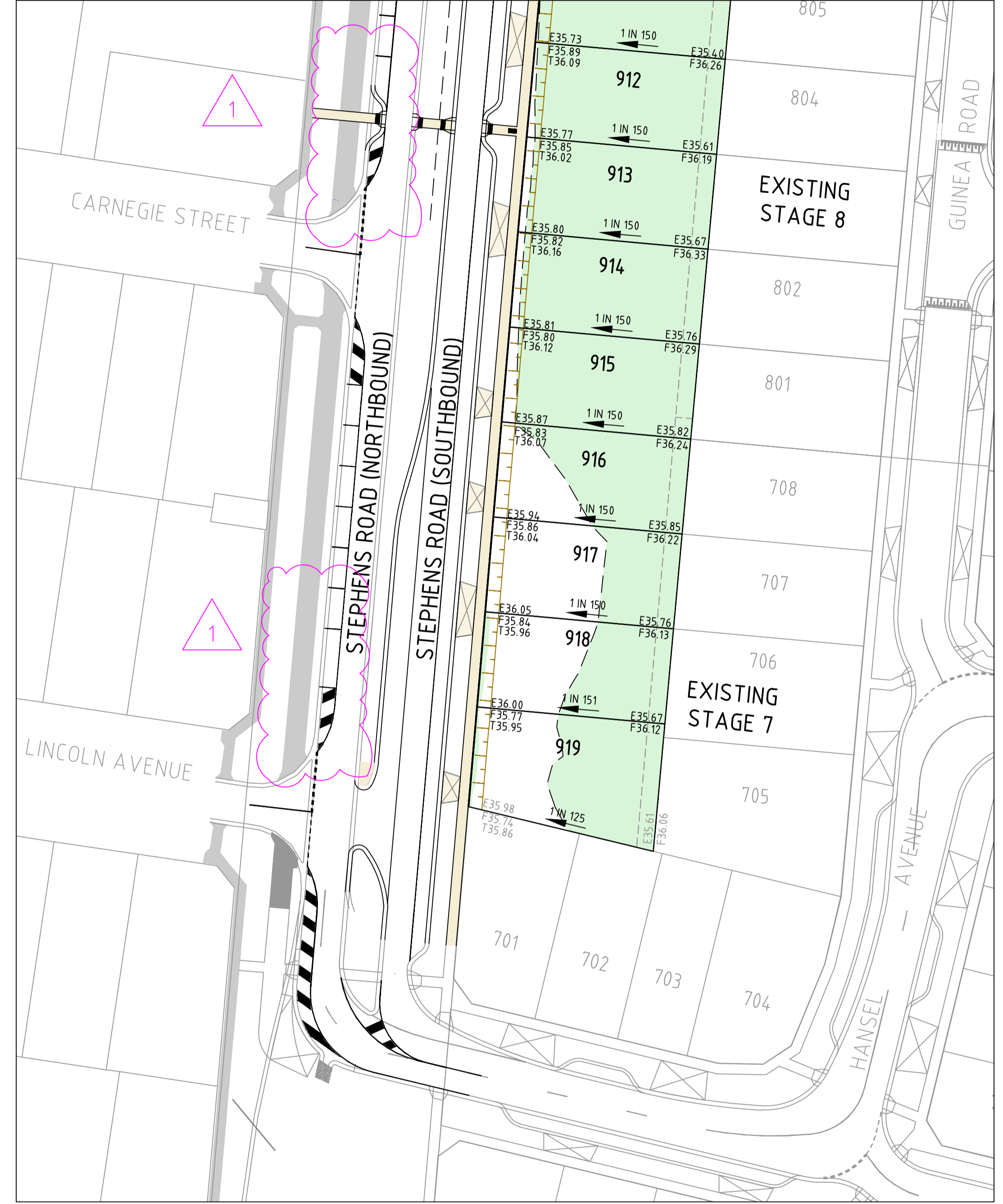
**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**ROAD LAYOUT PLANS - SERVICES PLAN**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** Drg No: 310308CR201 Rev: 1



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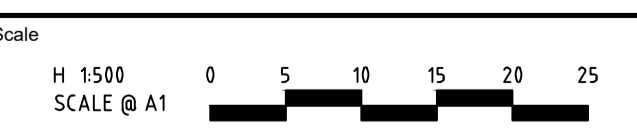
- FILL GREATER THAN 200mm
- CUT GREATER THAN 200mm



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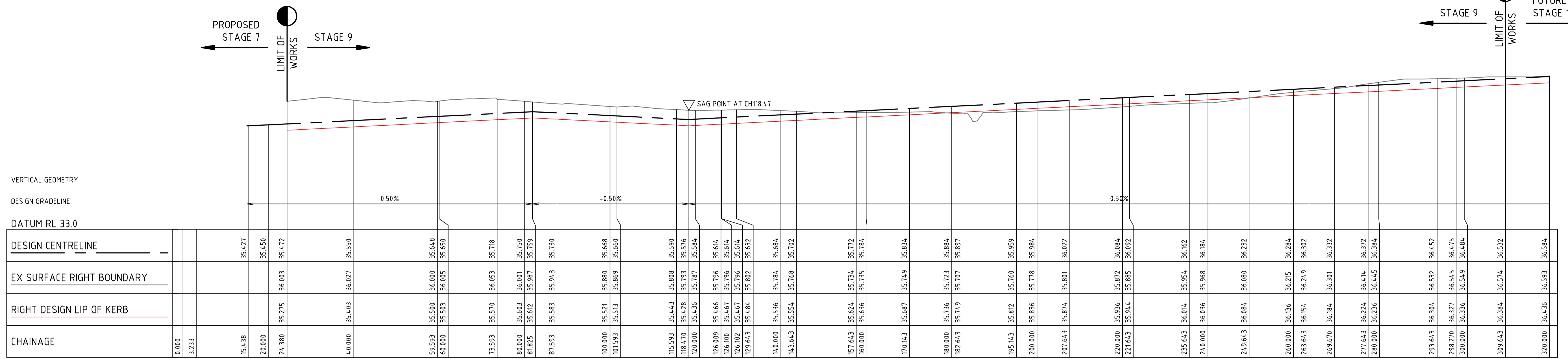
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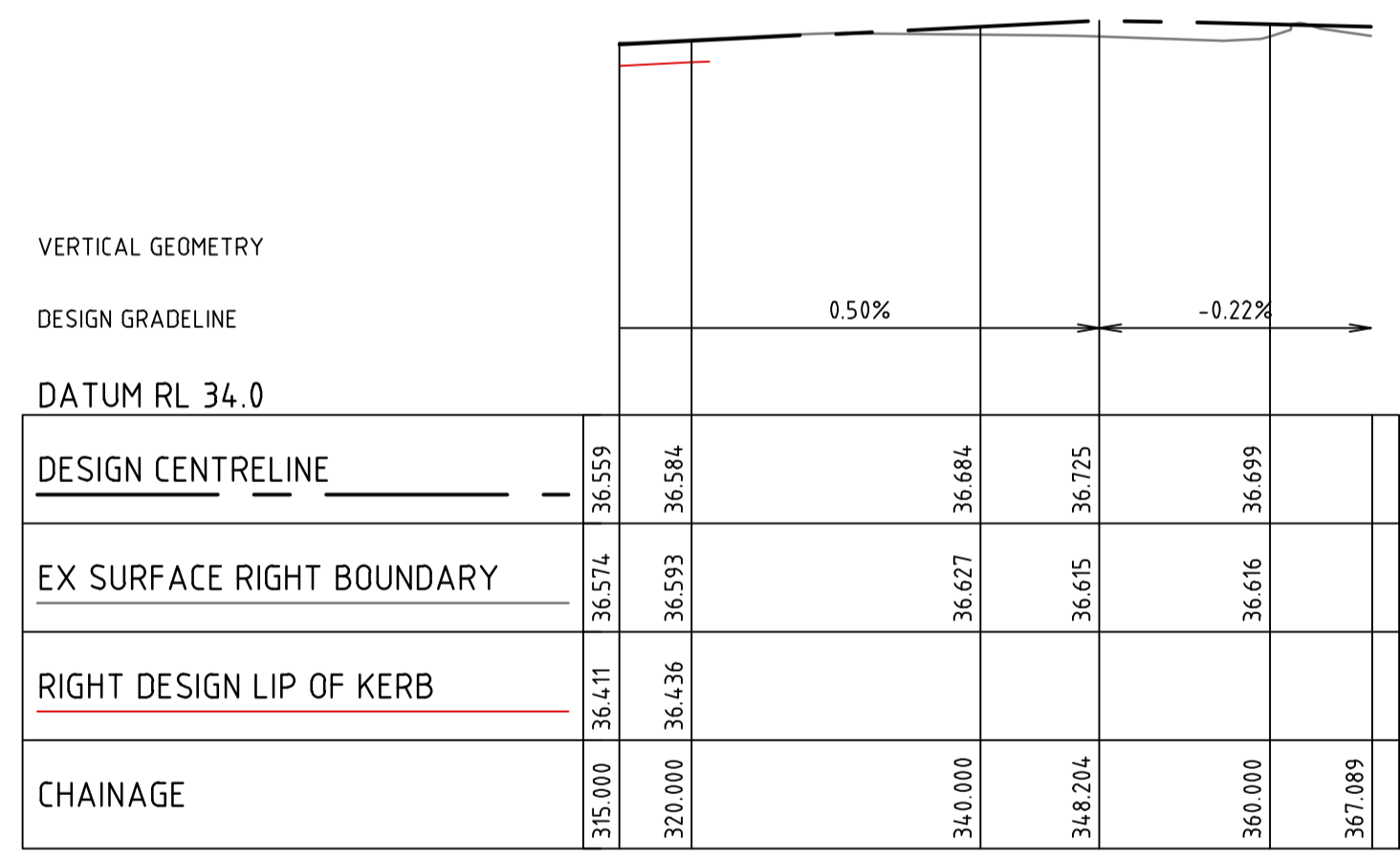
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**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**ROAD LAYOUT PLANS - EARTHWORKS PLAN**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** Drg No: 310308CR202 Rev: 1



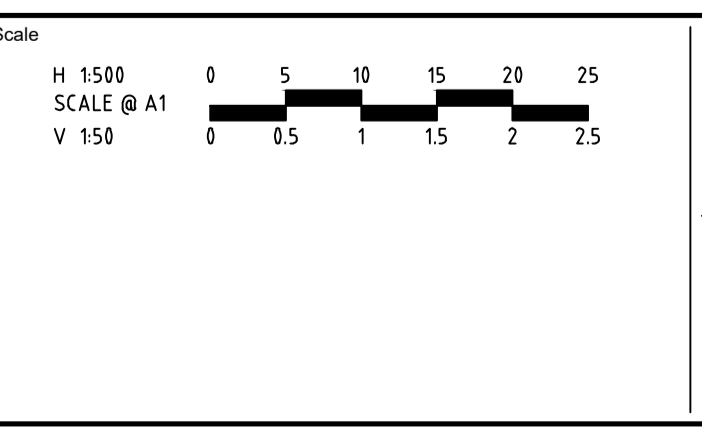
STEPHENS ROAD



STEPHENS ROAD

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 B.WAREHAM

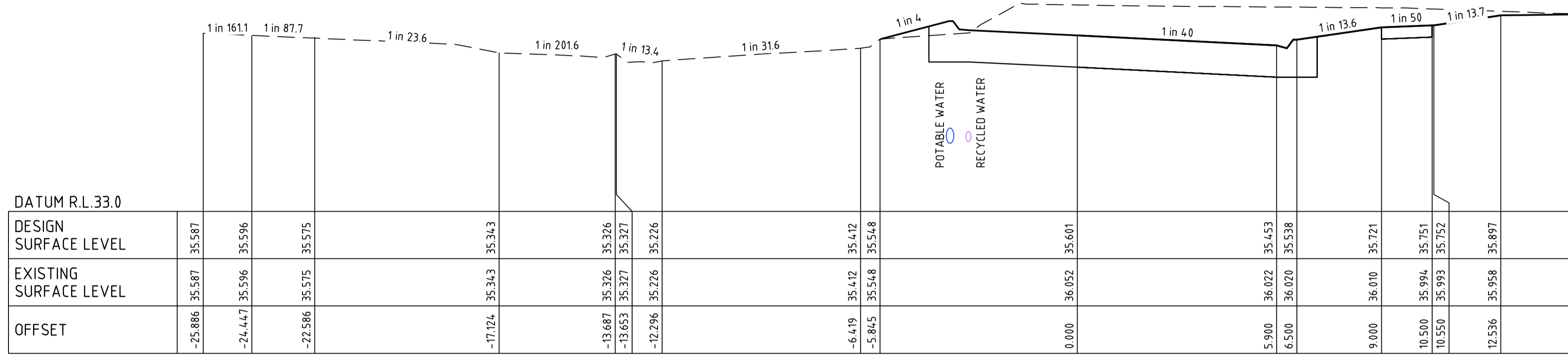
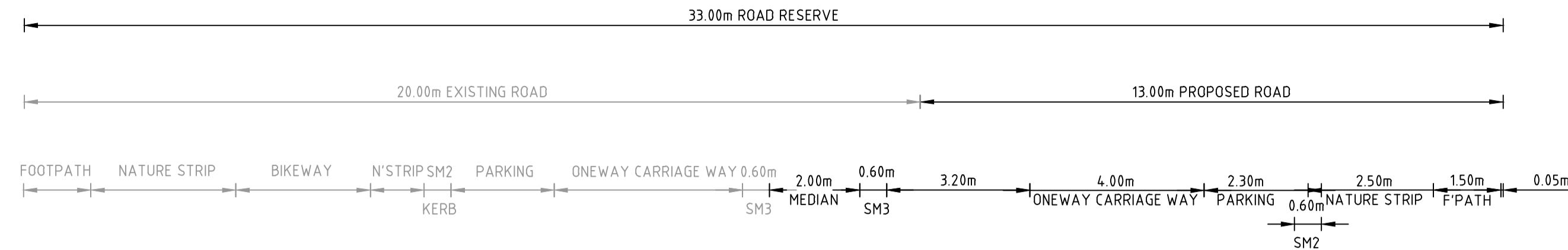
Checked  
 B.IBBS  
 Date  
 APRIL 2024

OFFICER CENTRAL  
 STAGE 9  
 ROAD AND DRAINAGE  
 ROAD LONG SECTIONS  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** Drg No **310308CR300** Rev **0**

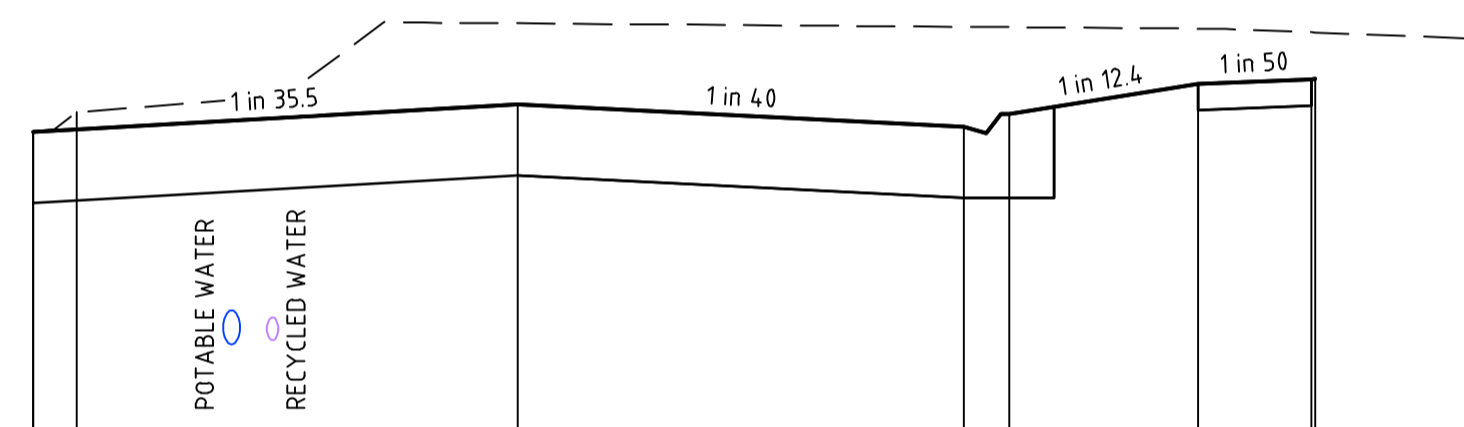
**FILLING NOTE**  
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**CONSENT FOR CONSTRUCTION**  
 CARDINIA SHIRE COUNCIL  
 Ref No.: S23-055 - T220246  
 Sheet: 6 of 18  
 Approved by: Vithu Vijayakumar  
 CARDINIA SHIRE COUNCIL  
 Date: Wednesday, 8 May 2024



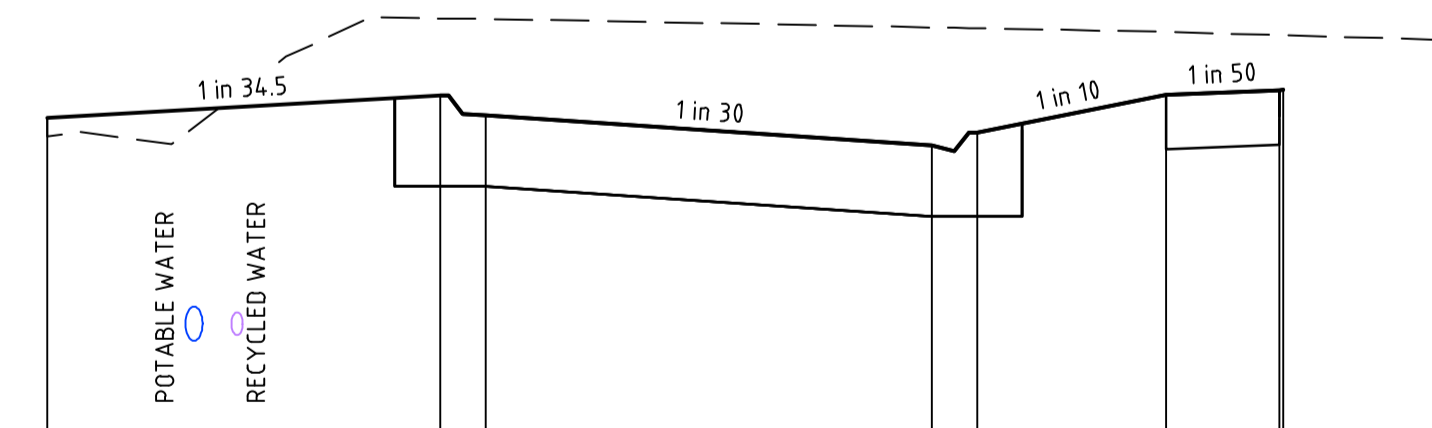
STEPHENS ROAD

CH 50.11



STEPHENS ROAD

CH 40.00

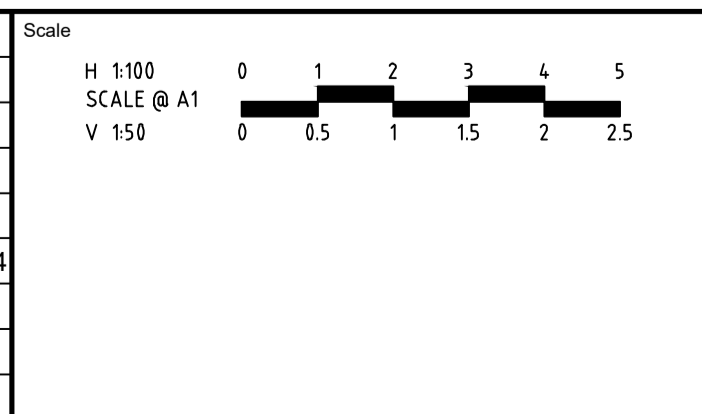


STEPHENS ROAD

CH 24.38

file name: 310308CR400.dwg, layout name: CD/00, plotted by: Nishitha Prasanna Mathew, file location: G:\310308CR400\AKAD\plot date: 22/04/2024, 4:34 PM, Sheet: 6 of 18 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
B	COUNCIL COMMENTS	B.W	FEB 2023
A	PRELIMINARY ISSUE	B.W	DEC 2023



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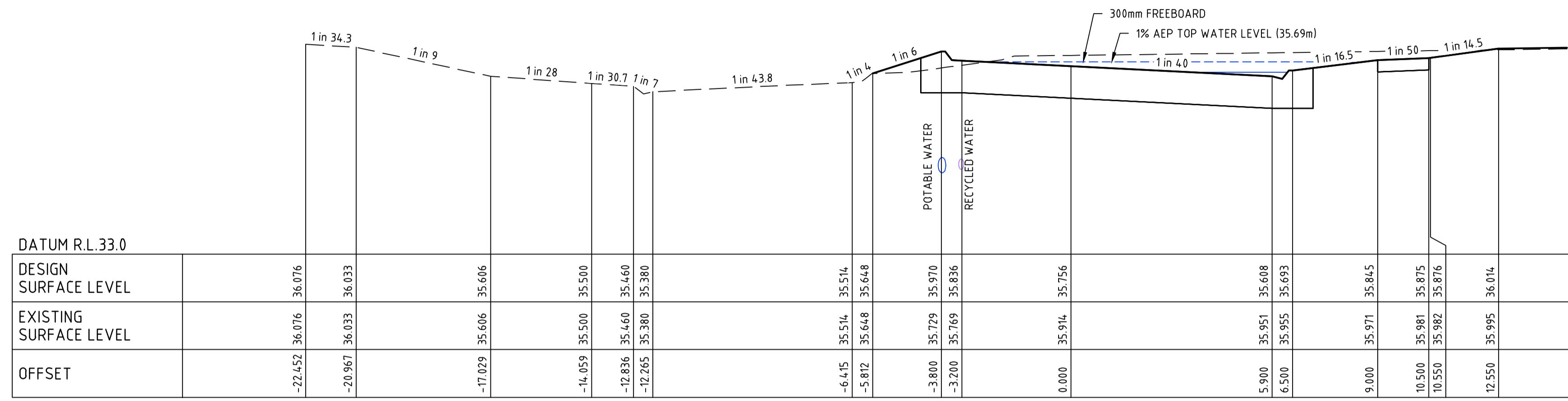
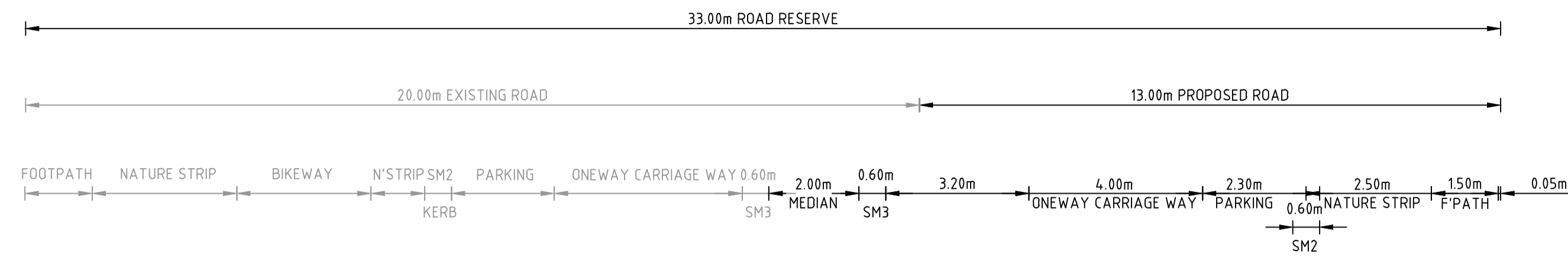
1/126 ALBERT ROAD WARRAGUL  
 VICTORIA 3820 AUSTRALIA T 61 3 5644 5000  
 spiire.com.au ABN 55 050 029 635

Designed: N.R.MATHEW  
 Authorised: B.WAREHAM  
 Checked: B.IBBS  
 Date: APRIL 2024

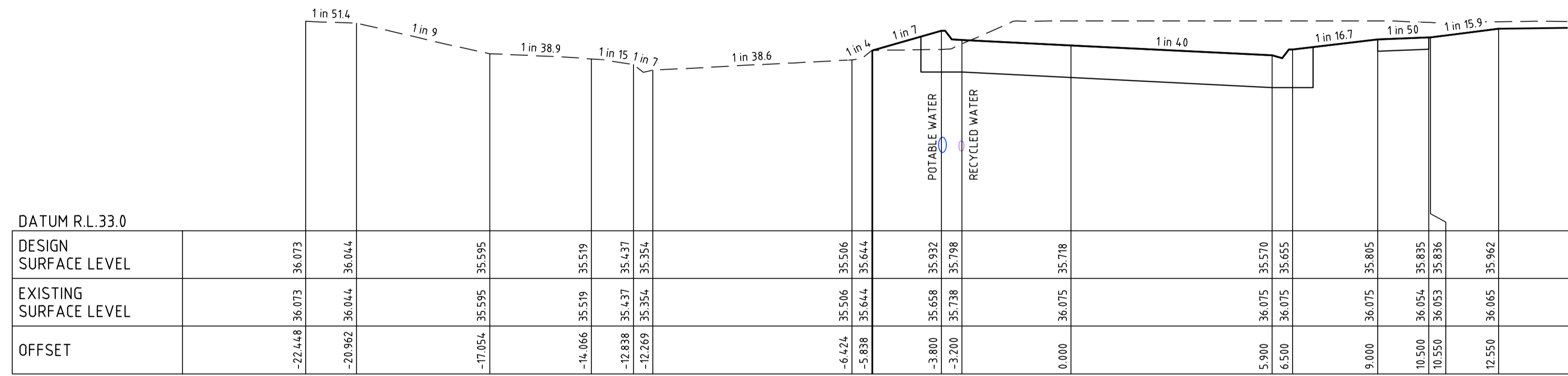
**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**ROAD CROSS SECTIONS - SHEET 1**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD  
**CONSTRUCTION** 310308CR400

**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

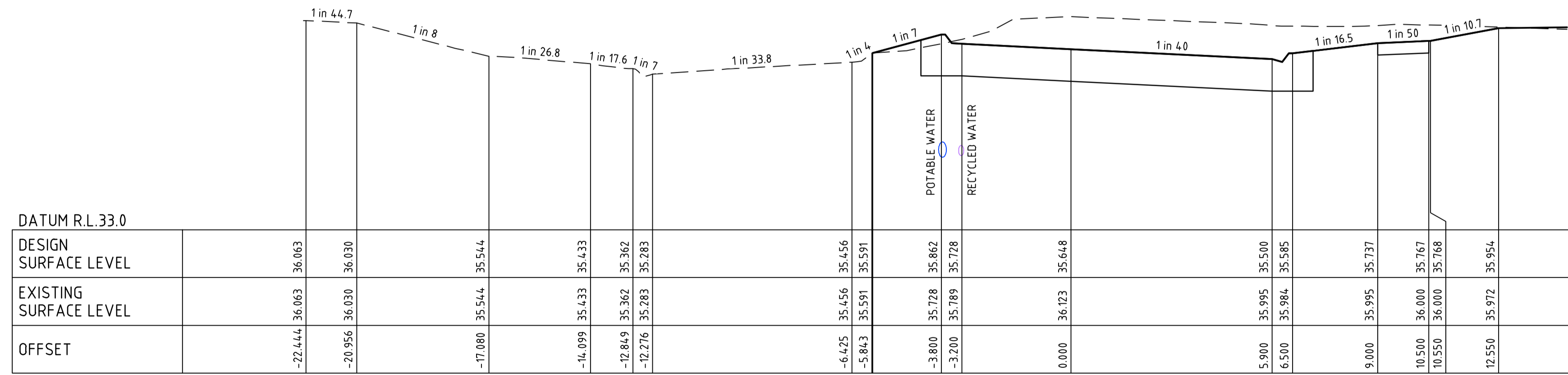
**CONSENT FOR CONSTRUCTION**  
 CARDINIA SHIRE COUNCIL  
 Ref No.: S23-055 - T220246  
 Sheet: 7 of 18  
 Approved by: Vithu Vijayakumar  
 CARDINIA SHIRE COUNCIL  
 Date: Wednesday, 8 May 2024



STEPHENS ROAD CH 82.46



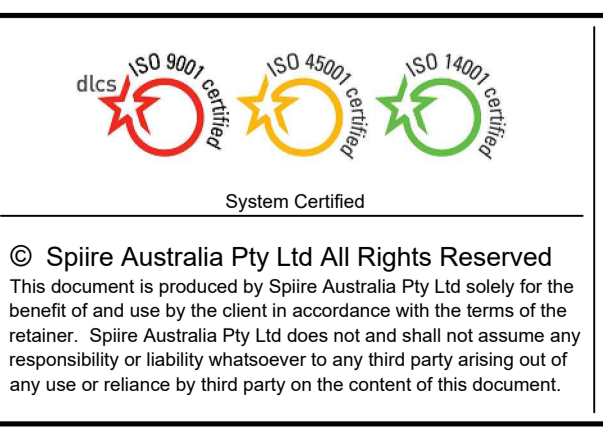
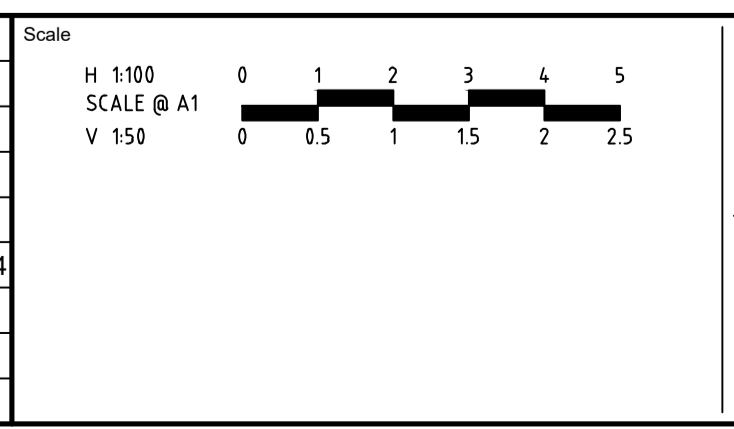
STEPHENS ROAD CH 73.59



STEPHENS ROAD CH 59.59

file name: 310308CR400.dwg, layout name: CR401, plotted by: Namitha Pires, Matthew, file location: \\spire\media\310308\310308.dwg, plot date: 22/04/2024, 4:35 PM, Sheet 7 of 18 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
B	COUNCIL COMMENTS	B.W	FEB 2023
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Checked: B.IBBS  
 Date: APRIL 2024

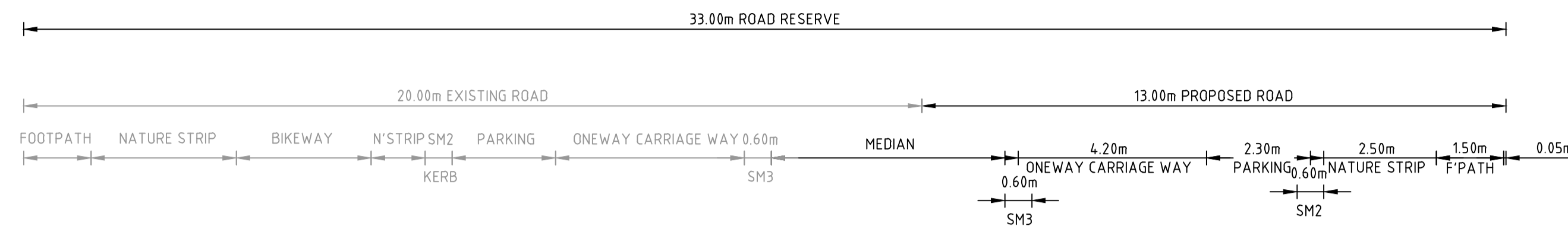
**OFFICER CENTRAL**  
**STAGE 9**  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 2  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** 310308CR401

Rev 0

**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.

**CONSENT FOR CONSTRUCTION**  
 CARDINIA SHIRE COUNCIL  
 Ref No.: S23-055 - T220246  
 Sheet: 8 of 18  
 Approved by: Vithu Vijeyakumar  
 CARDINIA SHIRE COUNCIL  
 Date: Wednesday, 8 May 2024



DATUM R.L. 33.0		
DESIGN SURFACE LEVEL		35.505
EXISTING SURFACE LEVEL		35.505
OFFSET		
	-22.586	35.505
	-12.239	35.368
	-6.393	35.488
	-5.785	35.622
	-0.600	35.857
	0.000	35.845
	5.900	35.804
	6.500	35.603
	9.000	35.799
	10.500	35.796
	10.550	35.796
	12.562	35.793

STEPHENS ROAD

CH 126.10

DATUM R.L. 33.0		
DESIGN SURFACE LEVEL		35.607
EXISTING SURFACE LEVEL		35.606
OFFSET		
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	-24.834	35.606
	-22.586	35.609
	-17.508	35.422
	-17.384	35.393
	-12.247	35.319
	-6.411	35.465
	-5.801	35.595
	-0.600	35.866
	0.000	35.584
	5.900	35.795
	6.500	35.794
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STEPHENS ROAD

CH 120.00

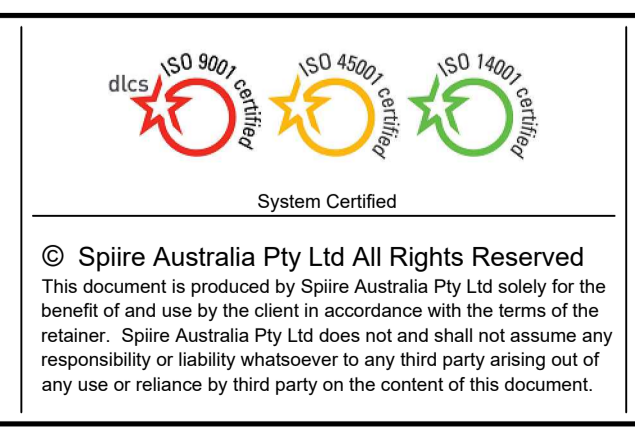
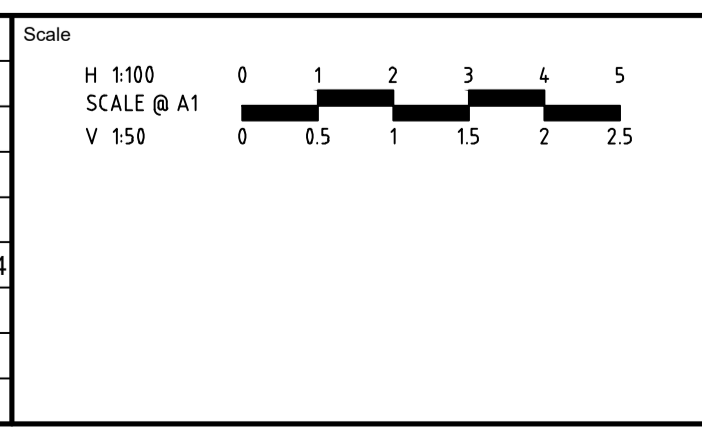
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	-14.021	35.470
	-12.839	35.390
	-12.244	35.310
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	6.500	35.895
	9.000	35.879
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	12.550	35.870

STEPHENS ROAD

CH 101.59

file name: 310308CR402.dwg; layout name: CR402; plotted by: Namitha Pras; Mathew; file location: \\spire\media\data\310308\CR402\310308CR402.dwg; plot date: 22/04/2024 4:35 PM; Sheet 8 of 18 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
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 N.R.MATHEW

Authorised  
 B.WAREHAM

Checked  
 B.IBBS

Date  
 APRIL 2024

**OFFICER CENTRAL**  
**STAGE 9**  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 3  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

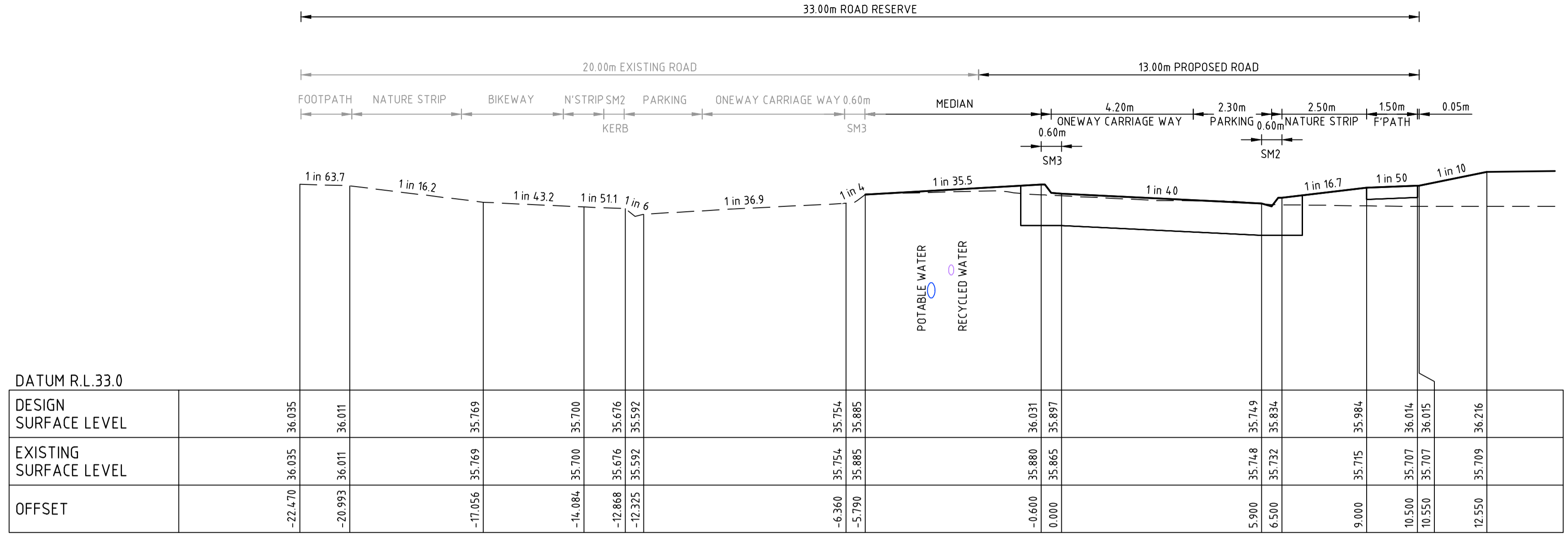
**CONSTRUCTION** 310308CR402

Rev 0

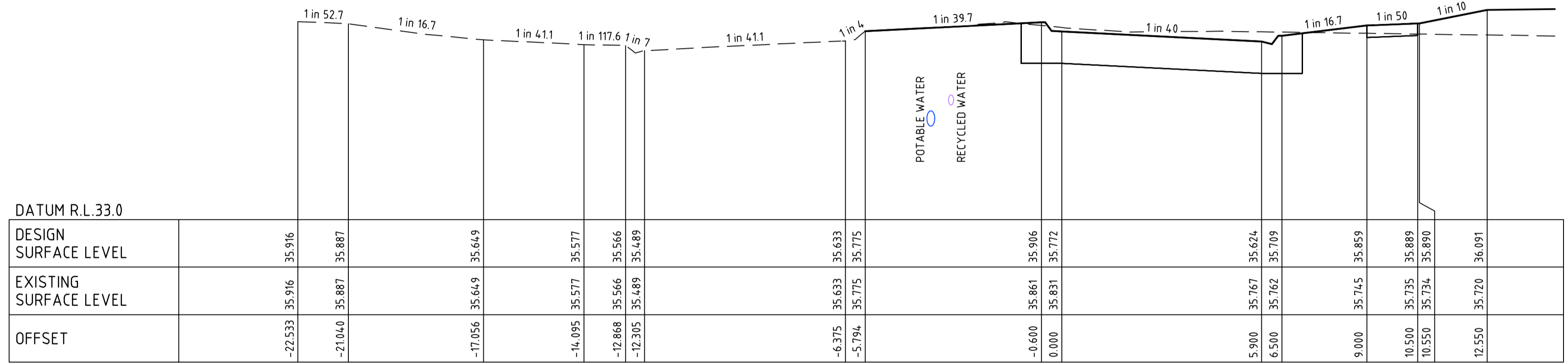


**FILLING NOTE**  
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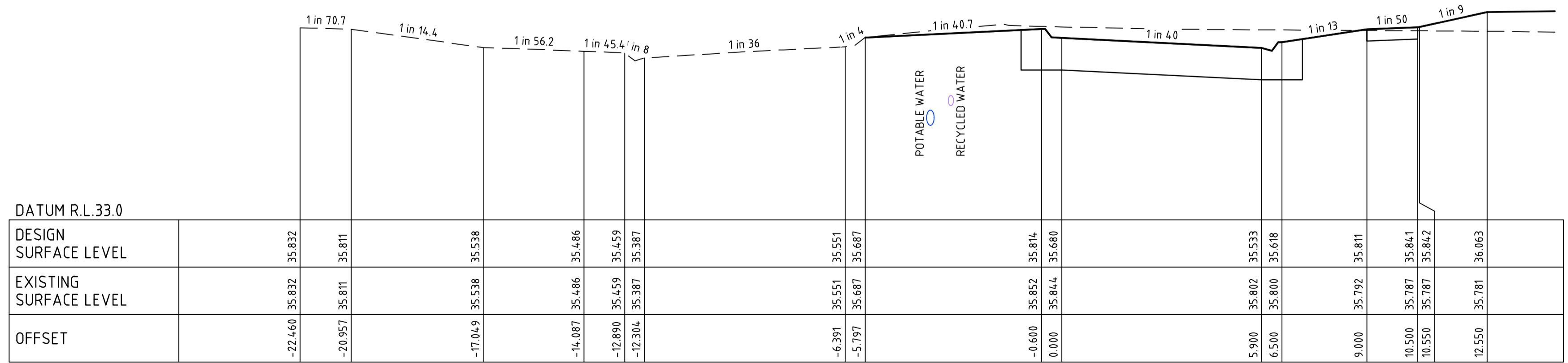
**CONSENT FOR CONSTRUCTION**  
 CARDINIA SHIRE COUNCIL  
 Ref No.: S23-055 - T220246  
 Sheet: 9 of 18  
 Approved by: Vithu Vijayakumar  
 CARDINIA SHIRE COUNCIL  
 Date: Wednesday, 8 May 2024



STEPHENS ROAD CH 182.64



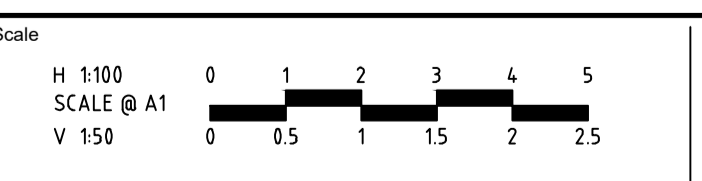
STEPHENS ROAD CH 157.64



STEPHENS ROAD CH 139.37

file name: 310308CR403.dwg | Invert: 2024-04-03 | Created by: Nishitha Prasanna Mathew  
 file location: \\spire\media\310308CR403\310308CR403.dwg | Date: 22/04/2024 4:35 PM | Sheet 9 of 18 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
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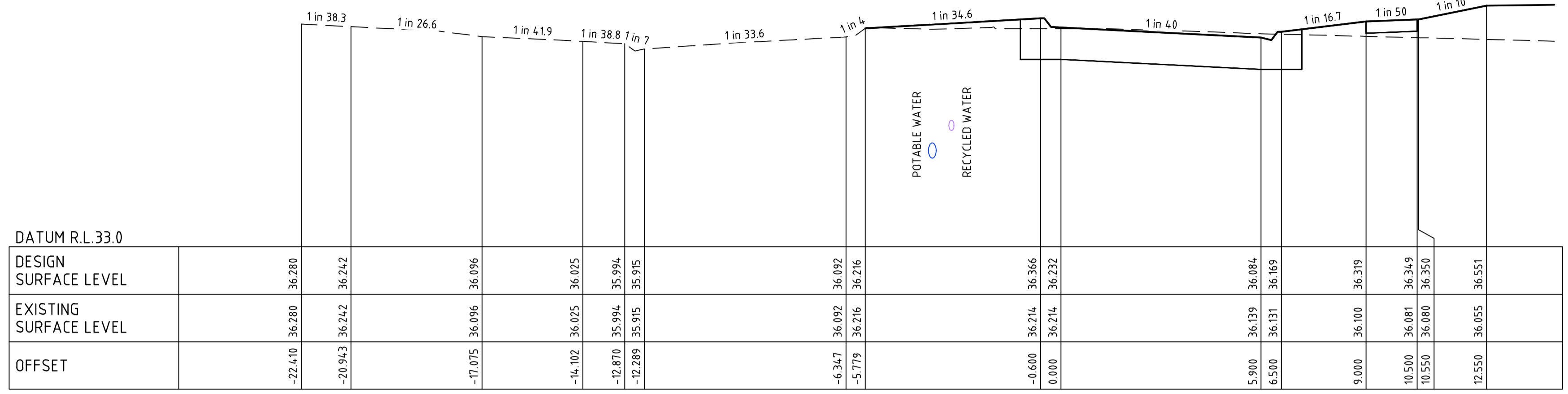
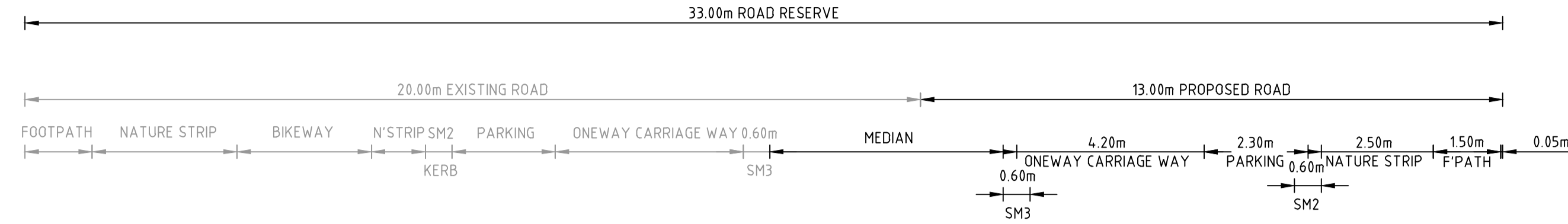
Designed  
 N.R.MATHEW  
 Authorised  
 B.WAREHAM  
 Checked  
 B.IBBS  
 Date  
 APRIL 2024

**OFFICER CENTRAL  
 STAGE 9  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 4  
 CARDINIA SHIRE  
 YOURLAND PTY LTD**

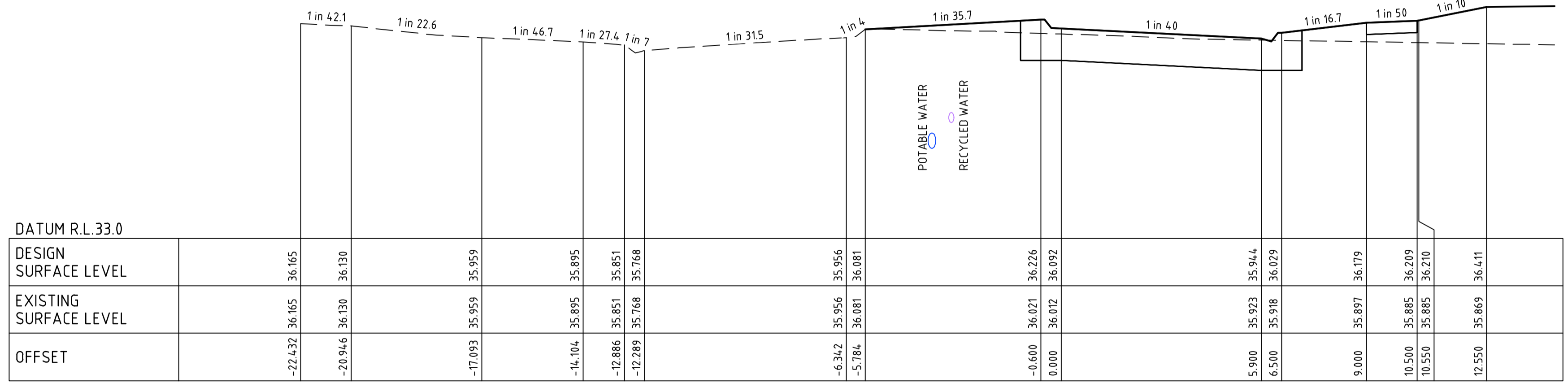
**CONSTRUCTION** Drg No 310308CR403 Rev 0

**FILLING NOTE**  
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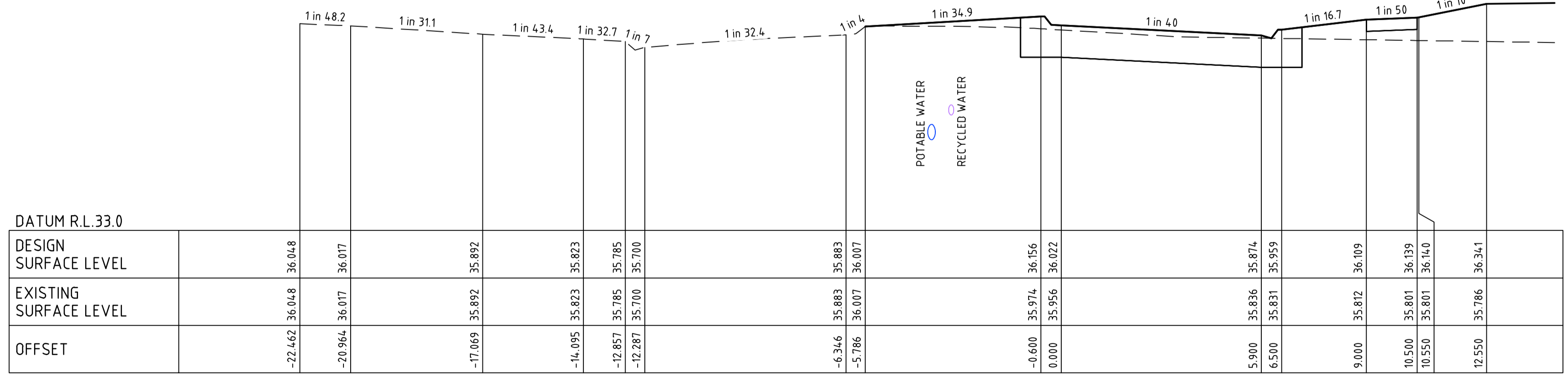
CONSENT FOR CONSTRUCTION  
 CARDINIA SHIRE COUNCIL  
 Ref No.: S23-055 - T220246  
 Sheet: 10 of 18  
 Approved by: Vithu Vijayakumar  
 CARDINIA SHIRE COUNCIL  
 Date: Wednesday, 8 May 2024



STEPHENS ROAD CH 249.64



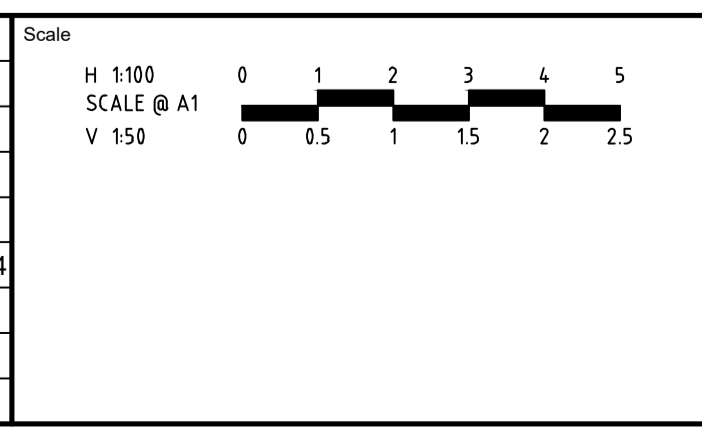
STEPHENS ROAD CH 221.64



STEPHENS ROAD CH 207.64

file name: 310308CR404.dwg, layout name: CR404, plotted by: Nishitha Ramesh Mather, file location: G:\310308\CR404\A1.dwg, plot date: 22/04/2024, 4:35 PM, Sheet: 10 of 18 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
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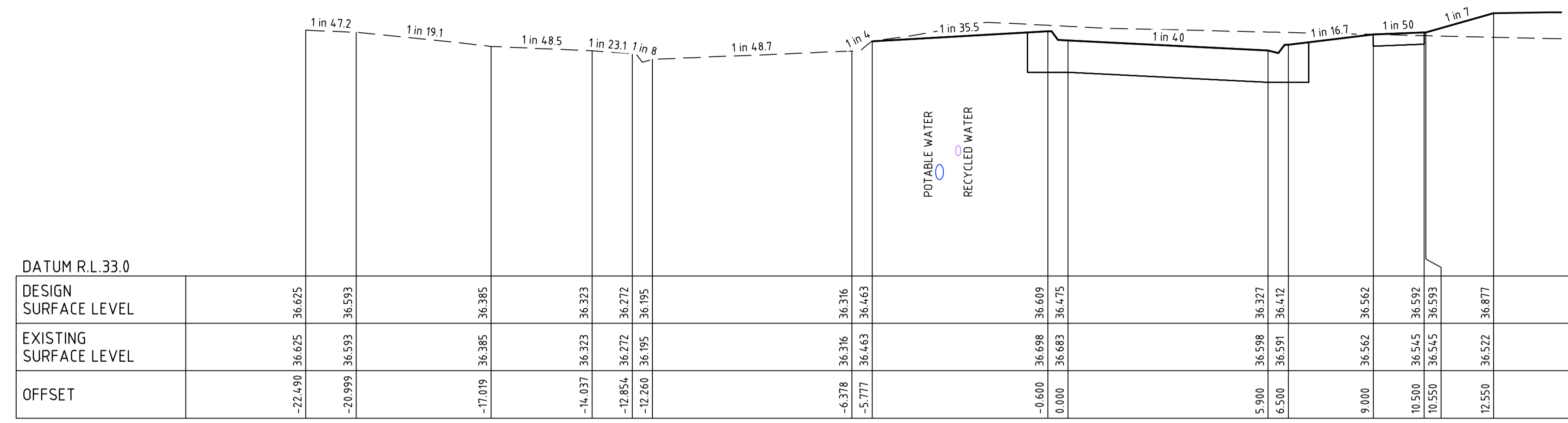
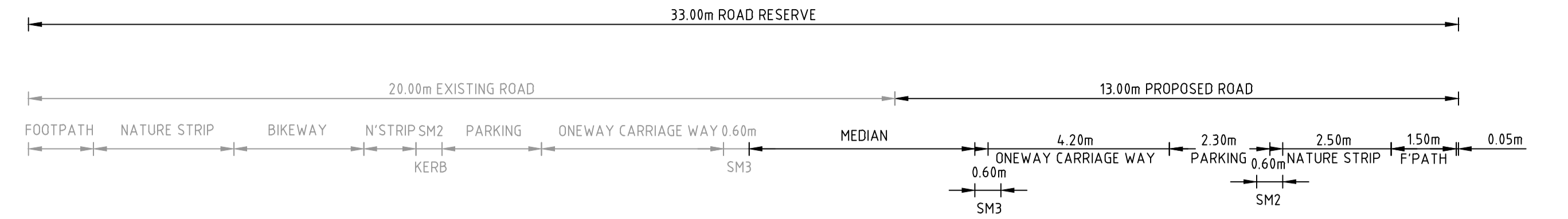
1/126 ALBERT ROAD WARRAGUL  
 VICTORIA 3820 AUSTRALIA T 61 3 5644 5000  
 spiire.com.au ABN 55 050 029 635

Designed: N.R.MATHEW  
 Authorised: B.WAREHAM  
 Checked: B.IBBS  
 Date: APRIL 2024

**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**ROAD CROSS SECTIONS - SHEET 5**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD  
**CONSTRUCTION** Drg No: 310308CR404 Rev: 0

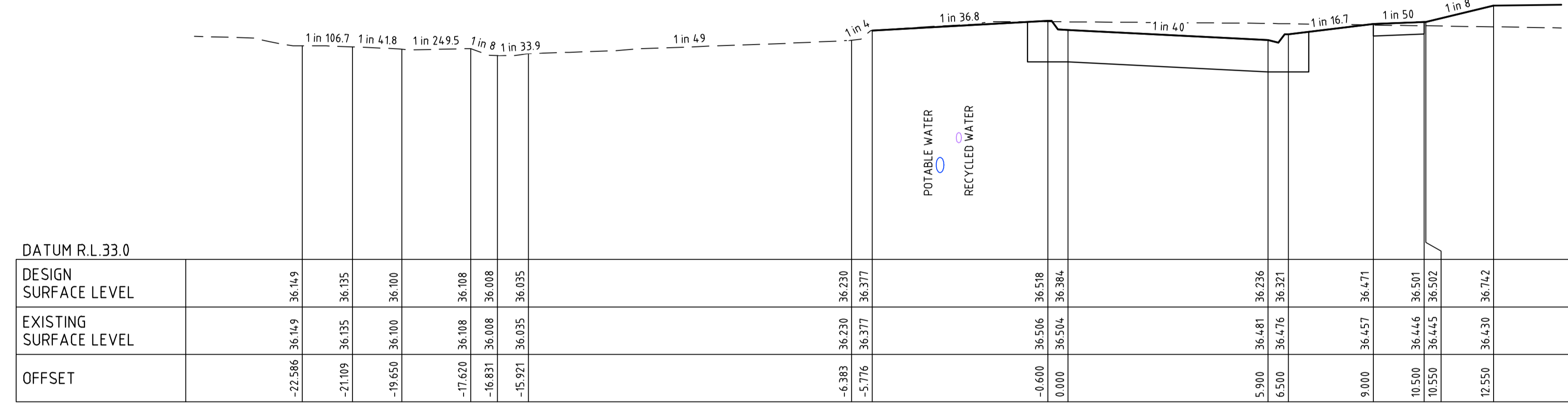
**FILLING NOTE**  
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**CONSENT FOR CONSTRUCTION**  
 CARDINIA SHIRE COUNCIL  
 Ref No.: S23-055 - T220246  
 Sheet: 11 of 18  
 Approved by: Vithu Vijayakumar  
 CARDINIA SHIRE COUNCIL  
 Date: Wednesday, 8 May 2024



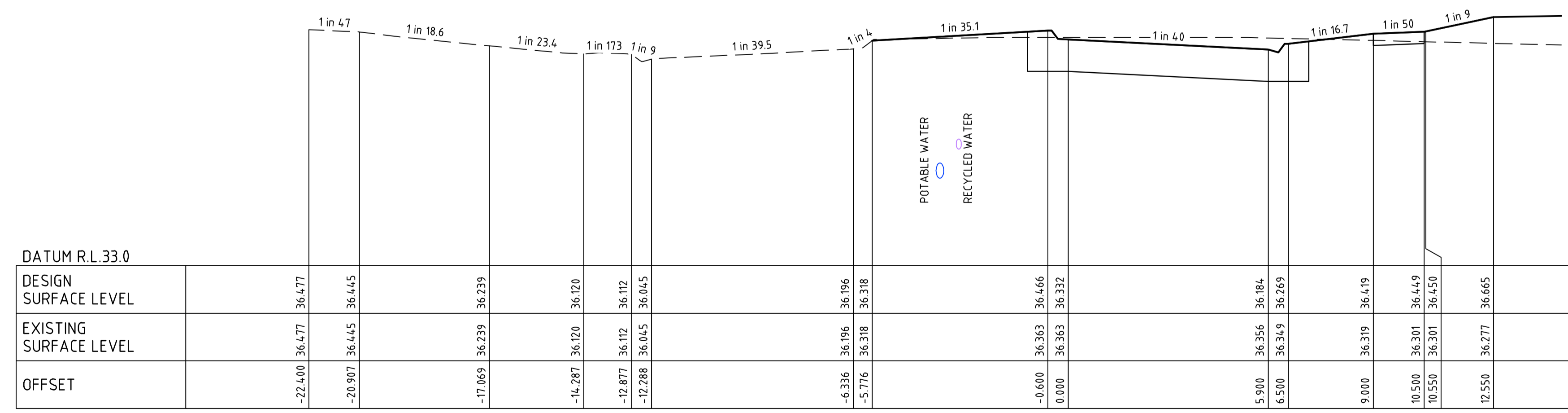
STEPHENS ROAD

CH 298.27



STEPHENS ROAD

CH 280.00

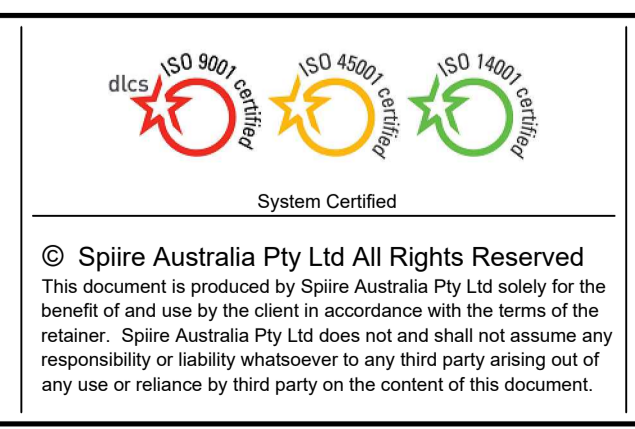
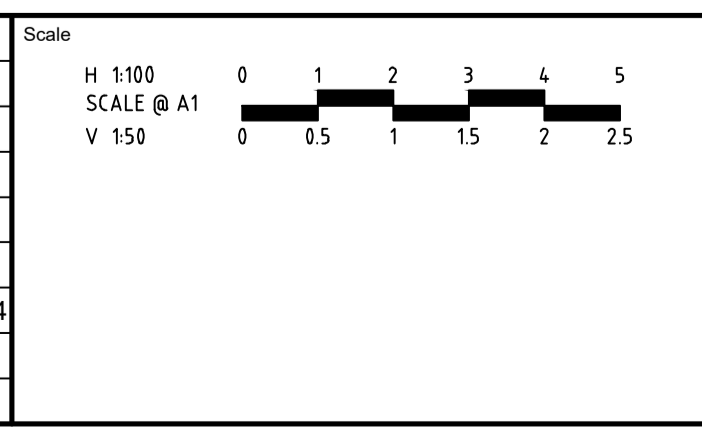


STEPHENS ROAD

CH 269.67

file name: 310308CR405.dwg | project name: CR405 | created by: Namitha Prasanna Mathew |  
 file location: \\spire\media\data\310308CR405\310308CR405.dwg | date: 22/04/2024 4:35 PM | sheet: 11 of 18 sheets

Rev	Description	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
A	COUNCIL COMMENTS	B.W	FEB 2023
	Amendments		



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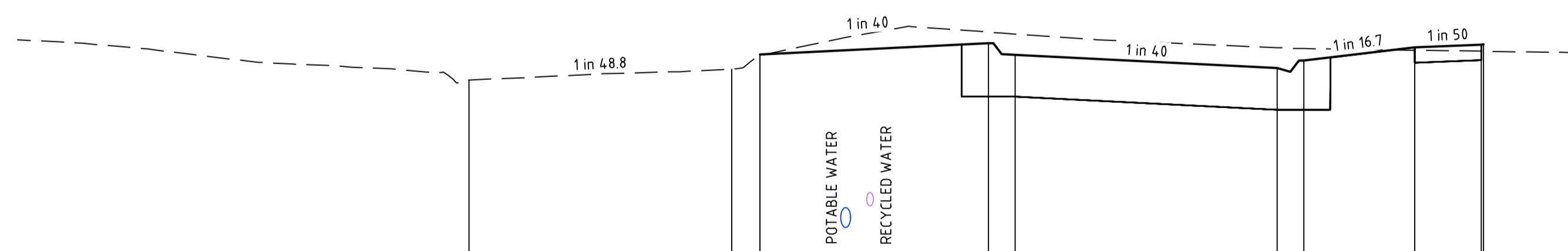
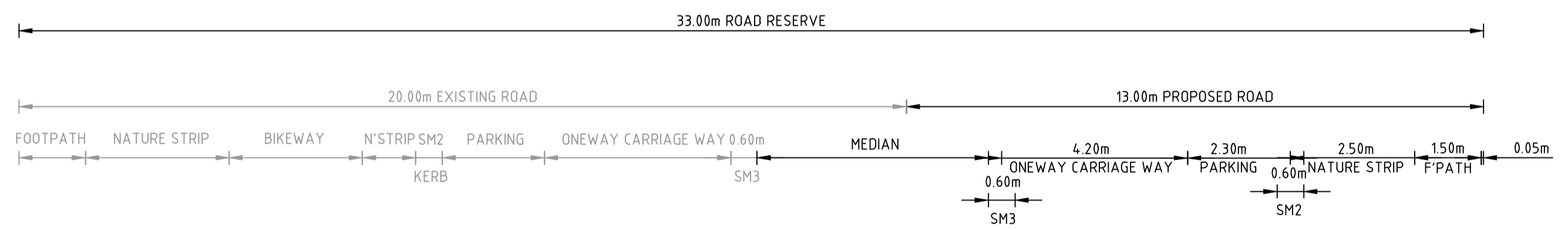
Designed N.R.MATHEW	Checked B.IBBS
Authorised B.WAREHAM	Date APRIL 2024

**OFFICER CENTRAL  
 STAGE 9  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 6  
 CARDINIA SHIRE  
 YOURLAND PTY LTD**

**CONSTRUCTION** 310308CR405

Rev 0

**FILLING NOTE**  
 ALL FILLING WITHIN ROAD RESERVES IS TO BE UNDERTAKEN USING LEVEL 1 SUPERVISION AND BE COMPLETED IN ACCORDANCE WITH AS 3798-2007 AND TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT. FILL AREAS ARE TO BE STRIPPED OF TOPSOIL, FILLED AND REPLACED WITH TOPSOIL (WHERE REQUIRED) TO OBTAIN THE FINAL LEVELS SHOWN ON THE DRAWINGS.



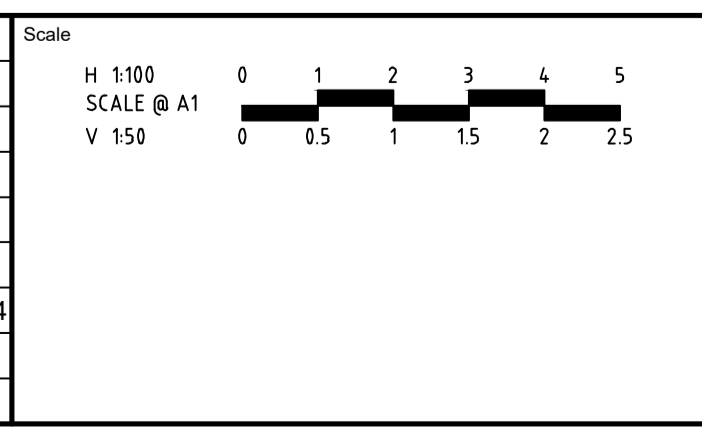
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		36.650

STEPHENS ROAD

CH 309.64

file name: 310308CR406.dwg | layout name: CD06 | plotted by: Nareitha Prasanna Mathew  
 file location: \\spiire\media\310308CR406\310308CR406.dwg | plot date: 22/04/2024 4:35 PM | Sheet 12 of 18 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
A	COUNCIL COMMENTS	B.W	FEB 2023



Designed  
N.R.MATHEW

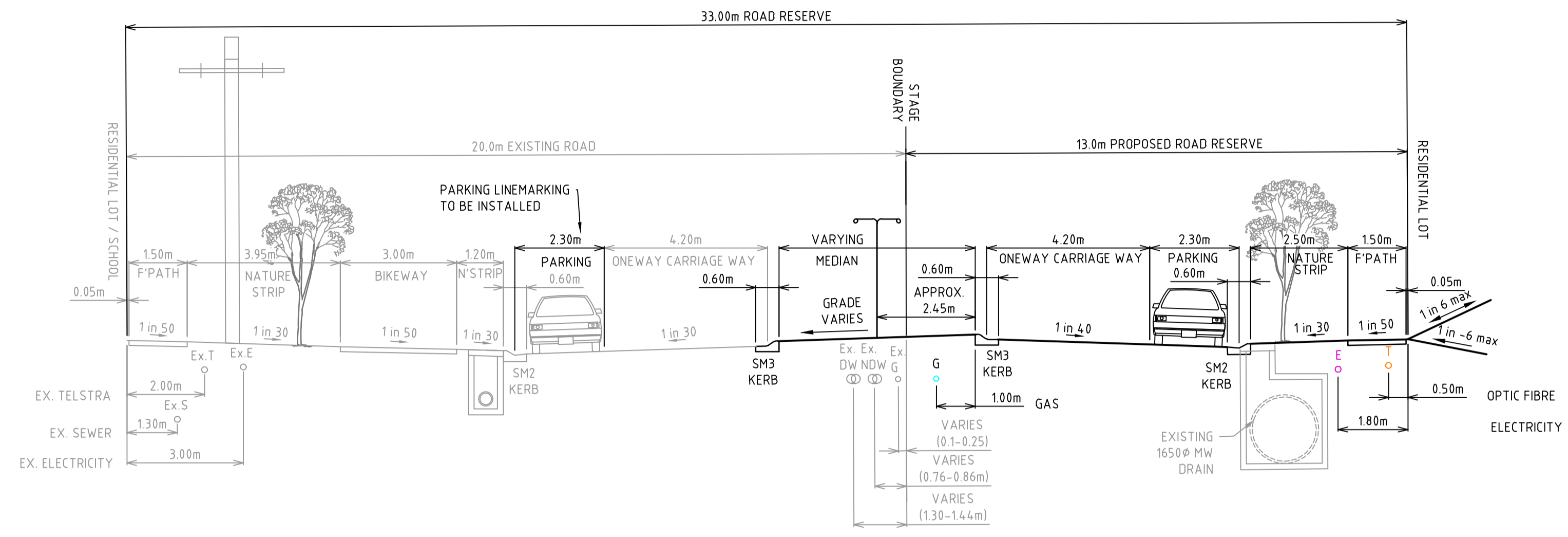
Checked  
B.IBBS

Authorised  
B.WAREHAM

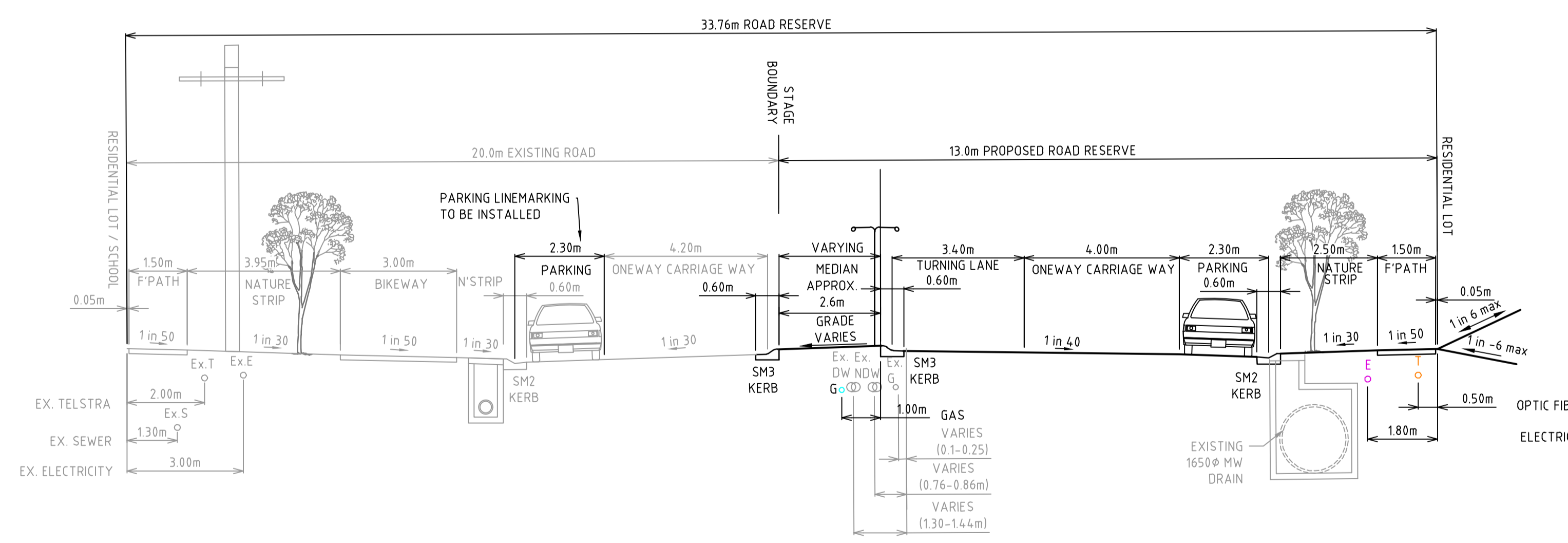
Date  
APRIL 2024

**OFFICER CENTRAL  
 STAGE 9  
 ROAD AND DRAINAGE  
 ROAD CROSS SECTIONS - SHEET 7  
 CARDINIA SHIRE  
 YOURLAND PTY LTD**

**CONSTRUCTION** Drg No 310308CR406 Rev 0



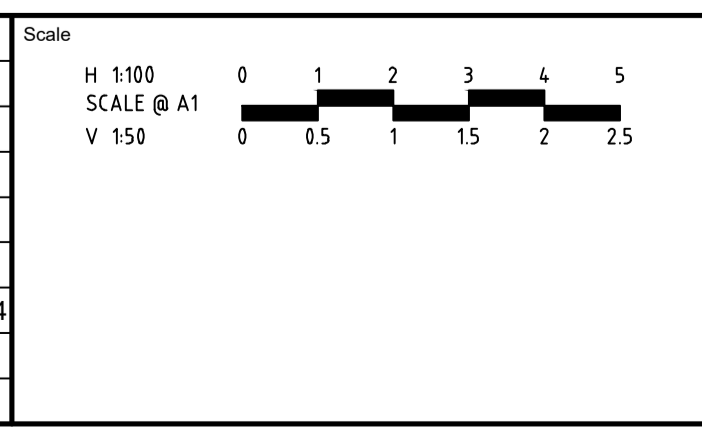
**1. STEPHENS ROAD**  
 PROPOSED & CURRENT ROAD RESERVE  
 CH 139.37 TO 309.64



**2. STEPHENS ROAD**  
 PROPOSED & CURRENT ROAD RESERVE  
 CH 50.11 TO 82.46

file name: 310308CR407.dwg | layout name: CR407 | plotted by: Nareitha Pooj Mathew  
 file location: \\spire-media\data\310308\310308A\CR407.dwg | plot date: 22/04/2024 4:35 PM | Sheet 13 of 18 | Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
A	COUNCIL COMMENTS	B.W	FEB 2023

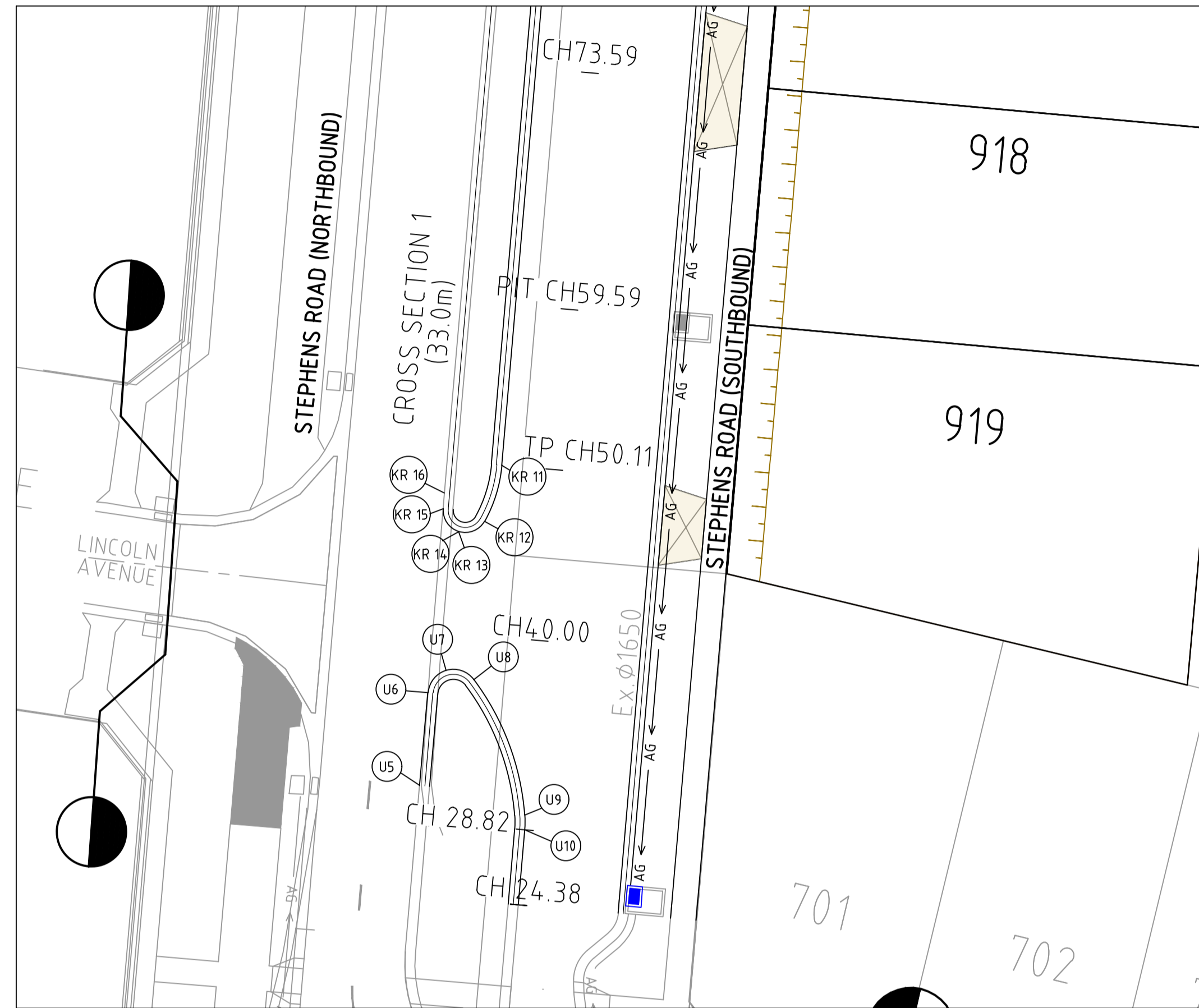


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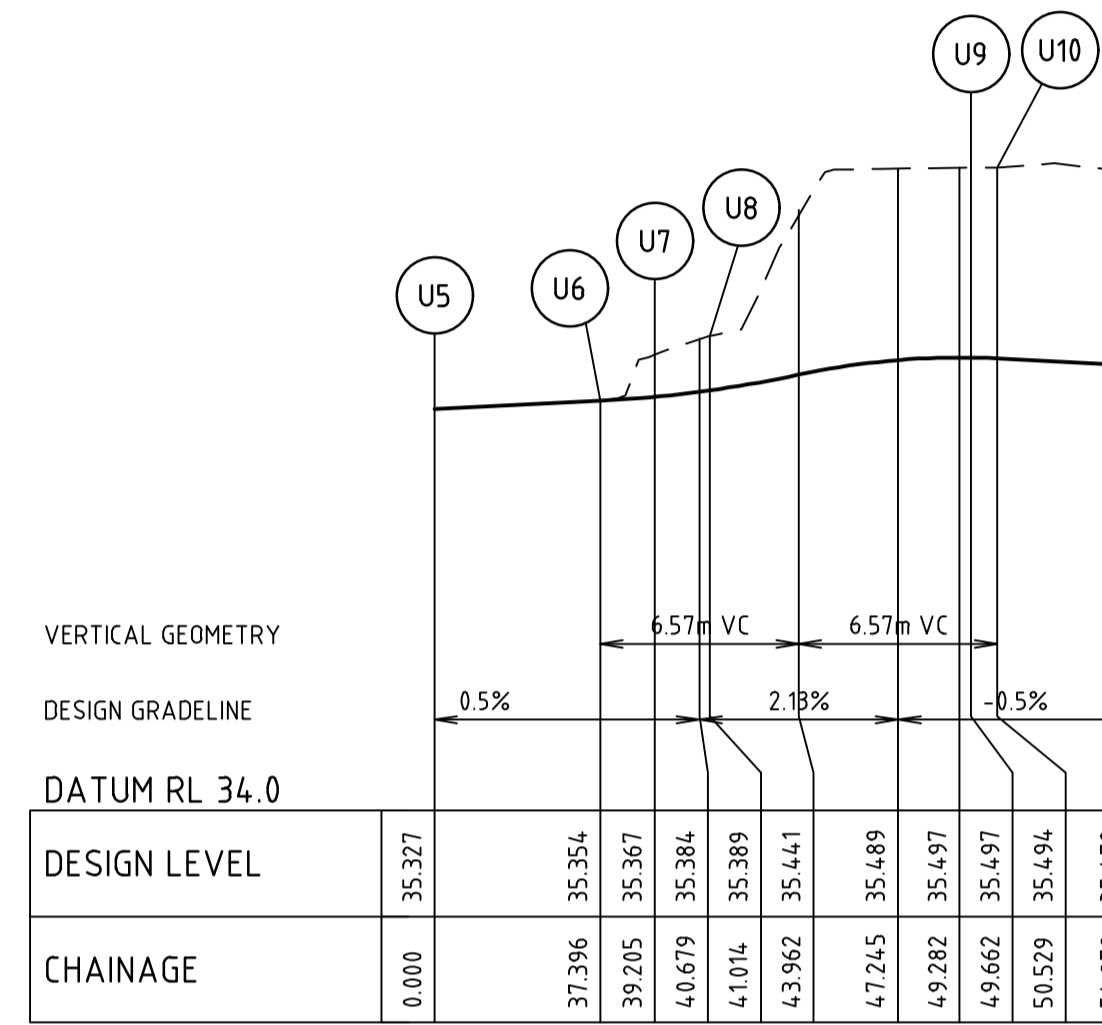
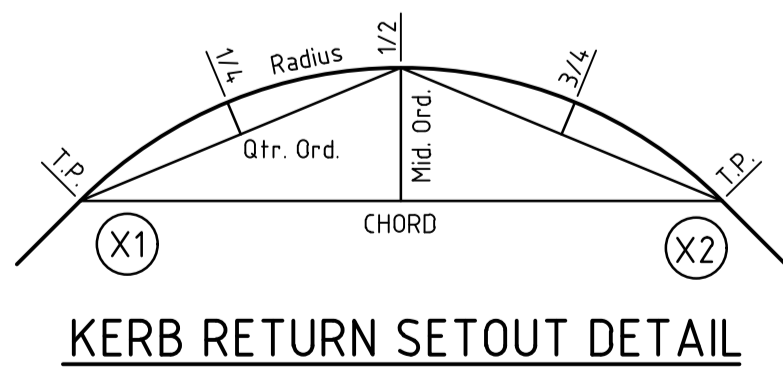
1/126 ALBERT ROAD WARRAGUL  
 VICTORIA 3820 AUSTRALIA T 61 3 5644 5000  
 spiire.com.au ABN 55 050 029 635

Designed  
**N.R.MATHEW**  
 Authorised  
**B.WAREHAM**  
 Checked  
**B.IBBS**  
 Date  
**APRIL 2024**

**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**ROAD CROSS SECTIONS - SHEET 8**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD  
**CONSTRUCTION** Drg No **310308CR407** Rev **0**



**INTERSECTION DETAIL PLAN**  
 INTERSECTION OF STEPHENS ROAD AND LINCOLN AVENUE



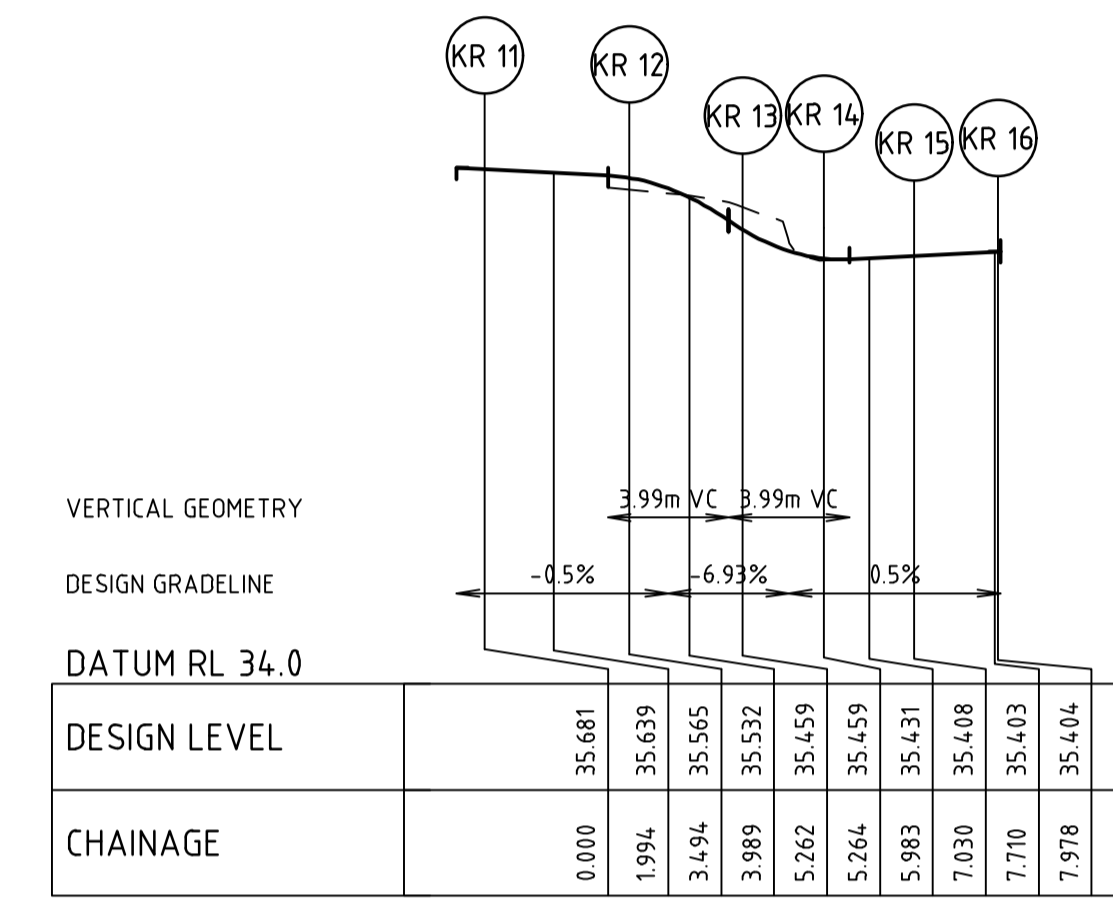
**ALIGNMENT U**

**ALIGNMENT U**

POINT NO	EASTING	NORTHING	RL	CHAINAGE
U5	359089.068	5785213.123	35.327	31.921
U6	359089.562	5785218.575	35.354	37.396
U7	359090.642	5785219.889	35.367	39.205
U8	359092.255	5785219.349	35.389	41.014
1/4	359093.428	5785217.535	35.425	43.176
1/2	359094.333	5785215.573	35.466	45.338
3/4	359094.952	5785213.503	35.491	47.500
U9	359095.271	5785211.367	35.497	49.662
U10	359095.268	5785210.501	35.494	50.529

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
U6-U7	1.500	1.809	1.701	0.264	0.068
U7-U8	1.500	1.809	1.701	0.264	0.068
U8-U9	15.250	8.649	8.533	0.609	0.153
U9-U10	0	5.300	0.866	0.866	0.018



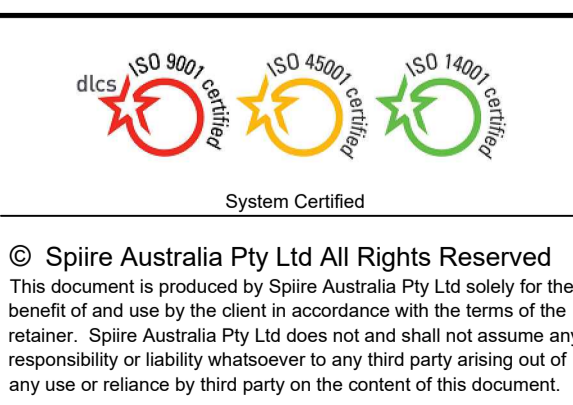
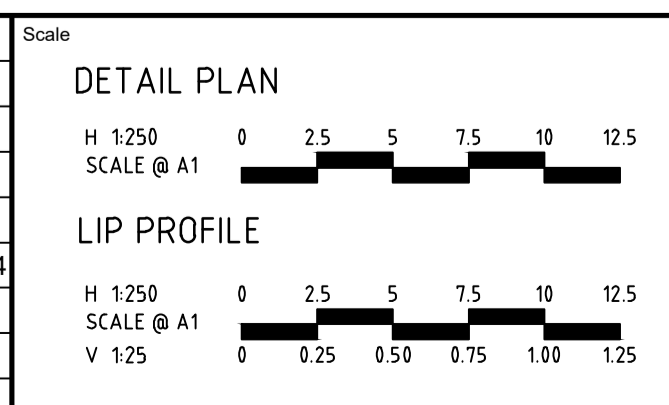
**ALIGNMENT KR 1**

**ALIGNMENT KR 1**

POINT NO	EASTING	NORTHING	RL
KR 11	359093.904	5785231.986	35.681
1/4	359093.783	5785231.121	35.670
1/2	359093.572	5785230.274	35.647
3/4	359093.273	5785229.454	35.612
KR 12	359092.889	5785228.669	35.565
1/4	359092.614	5785228.327	35.536
1/2	359092.240	5785228.096	35.507
3/4	359091.810	5785228.002	35.481
KR 13	359091.373	5785228.058	35.459
KR 14	359091.372	5785228.058	35.459
1/4	359090.979	5785228.256	35.441
1/2	359090.675	5785228.573	35.426
3/4	359090.494	5785228.973	35.415
KR 15	359090.456	5785229.411	35.408
KR 16	359090.536	5785230.356	35.404

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
KR 11-KR 12	8.300	3.494	3.469	0.183	0.046
KR 12-KR 13	1.300	1.768	1.635	0.289	0.074
KR 14-KR 15	1.300	1.766	1.633	0.289	0.074

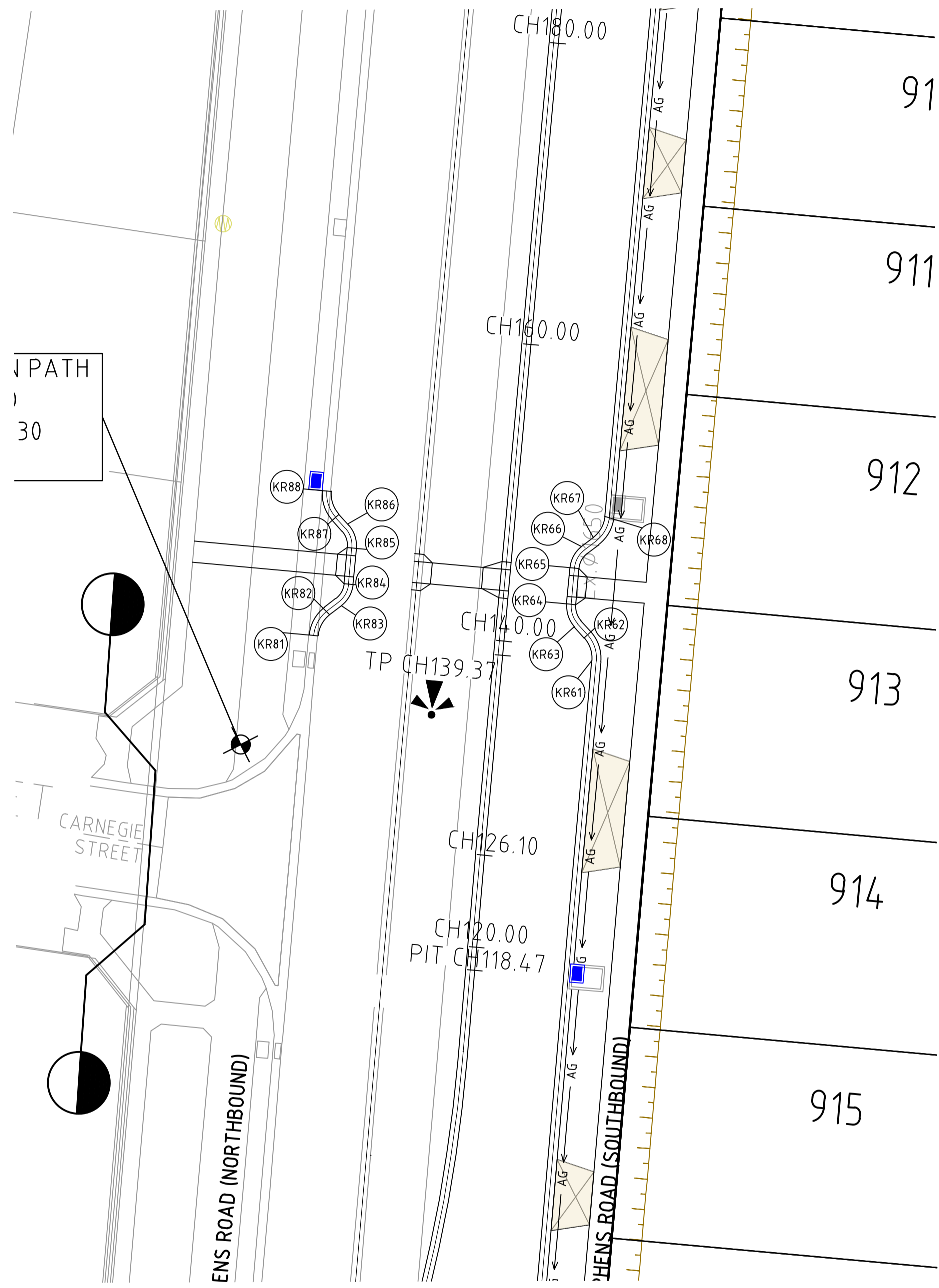


Designed <b>N.R.MATHEW</b>	Checked <b>B.IBBS</b>
Authorised <b>B.WAREHAM</b>	Date <b>APRIL 2024</b>

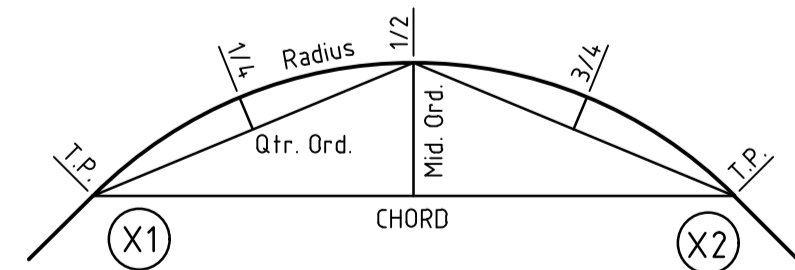
**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**INTERSECTION DETAILS - SHEET 1**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** Drg No **310308CR500** Rev **0**

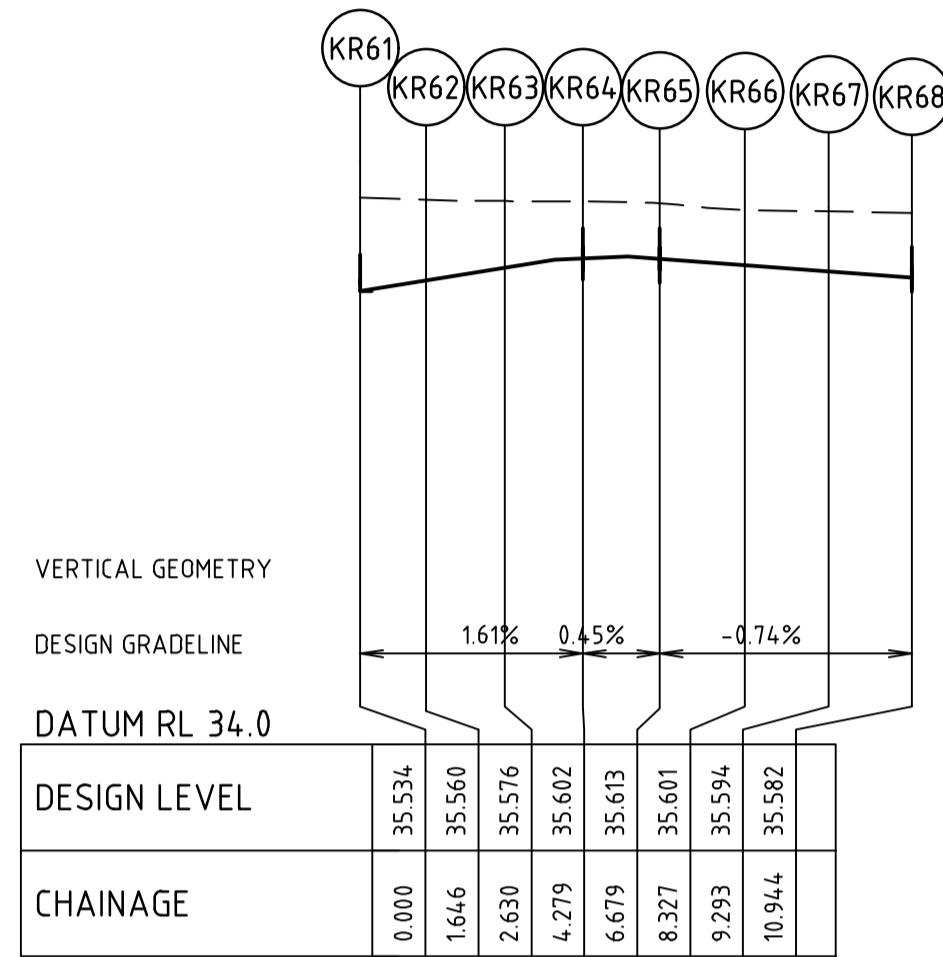
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**INTERSECTION DETAIL PLAN**  
 INTERSECTION OF STEPHENS ROAD AND CARNEGIE STREET



**KERB RETURN SETOUT DETAIL**



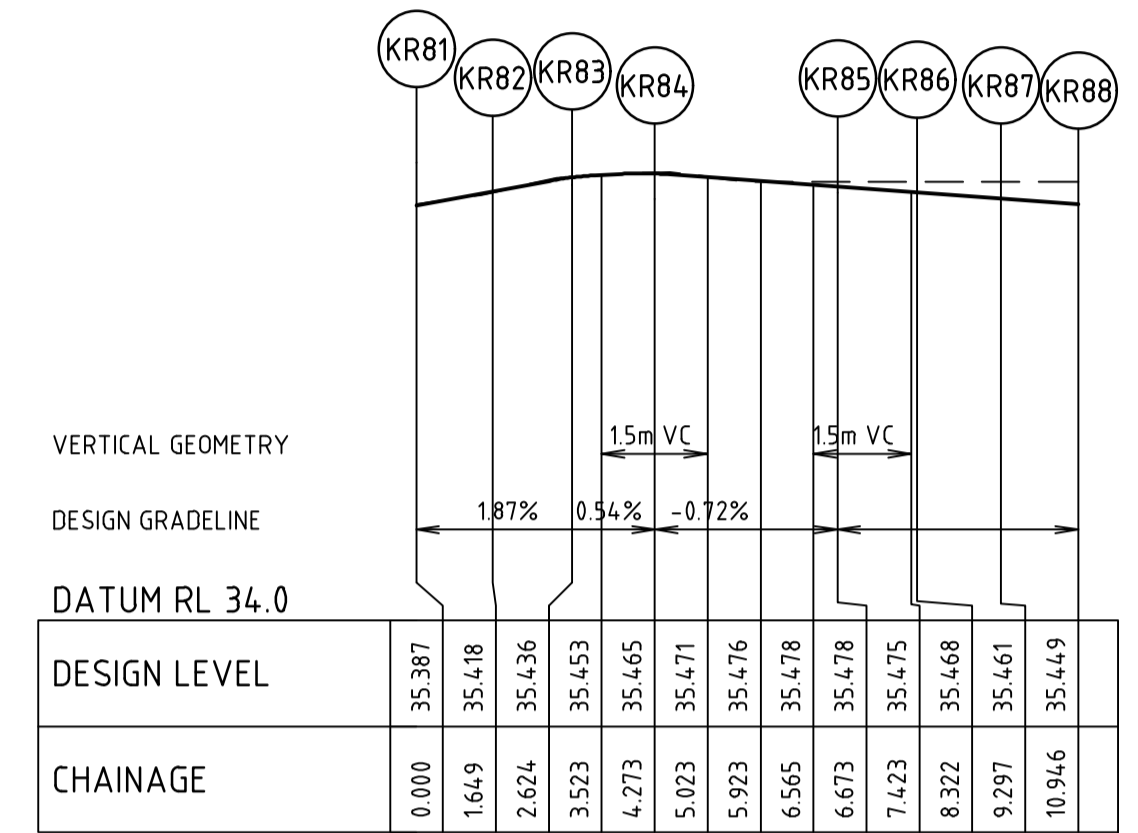
**ALIGNMENT KR6**

**ALIGNMENT KR 6**

POINT NO	EASTING	NORTHING	RL
KR61	359110.693	5785320.268	35.534
1/4	359110.687	5785320.679	35.540
1/2	359110.599	5785321.080	35.547
3/4	359110.430	5785321.454	35.554
KR62	359110.188	5785321.786	35.560
KR63	359109.530	5785322.518	35.576
1/4	359109.287	5785322.851	35.583
1/2	359109.119	5785323.226	35.589
3/4	359109.030	5785323.628	35.596
KR64	359109.025	5785324.039	35.602
KR65	359109.246	5785326.429	35.613
1/4	359109.325	5785326.833	35.610
1/2	359109.486	5785327.211	35.607
3/4	359109.721	5785327.549	35.604
KR66	359110.020	5785327.832	35.601
KR67	359110.785	5785328.420	35.594
1/4	359111.085	5785328.703	35.591
1/2	359111.320	5785329.042	35.588
3/4	359111.480	5785329.421	35.585
KR68	359111.560	5785329.826	

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
KR61-KR62	2.000	1.646	1.600	0.167	-0.042
KR63-KR64	2.000	1.649	1.602	0.167	0.042
KR65-KR66	2.000	1.649	1.602	0.167	0.042
KR67-KR68	2.000	1.652	1.605	0.168	-0.042



**ALIGNMENT KR8**

**ALIGNMENT KR 8**

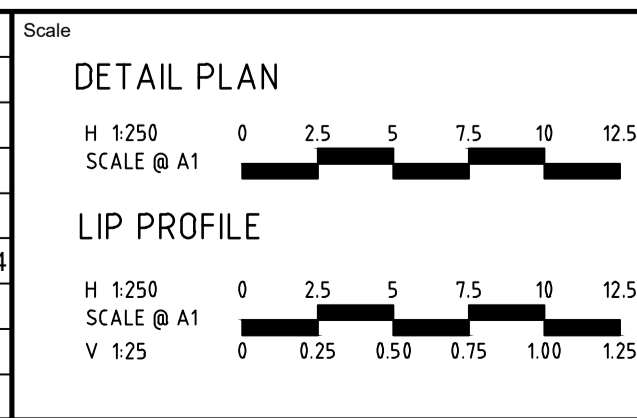
POINT NO	EASTING	NORTHING	RL
KR81	359092.582	5785321.920	35.387
1/4	359092.662	5785322.324	35.395
1/2	359092.823	5785322.702	35.403
3/4	359093.057	5785323.040	35.410
KR82	359093.356	5785323.323	35.418
KR83	359094.130	5785323.917	35.436
1/4	359094.429	5785324.200	35.444
1/2	359094.664	5785324.538	35.452
3/4	359094.825	5785324.916	35.459
KR84	359094.904	5785325.320	35.465
KR85	359095.125	5785327.710	35.478
1/4	359095.120	5785328.121	35.477
1/2	359095.031	5785328.523	35.474
3/4	359094.863	5785328.898	35.471
KR86	359094.620	5785329.231	35.468
KR87	359093.968	5785329.956	35.461
1/4	359093.726	5785330.289	35.458
1/2	359093.557	5785330.664	35.455
3/4	359093.468	5785331.066	35.452
KR88	359093.464	5785331.477	35.449

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
KR81-KR82	2.000	1.649	1.602	0.167	0.042
KR83-KR84	2.000	1.649	1.602	0.167	-0.042
KR85-KR86	2.000	1.649	1.602	0.167	-0.042
KR87-KR88	2.000	1.649	1.602	0.167	0.042

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Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
B	COUNCIL COMMENTS	B.W	FEB 2023
A	PRELIMINARY ISSUE	B.W	DEC 2023

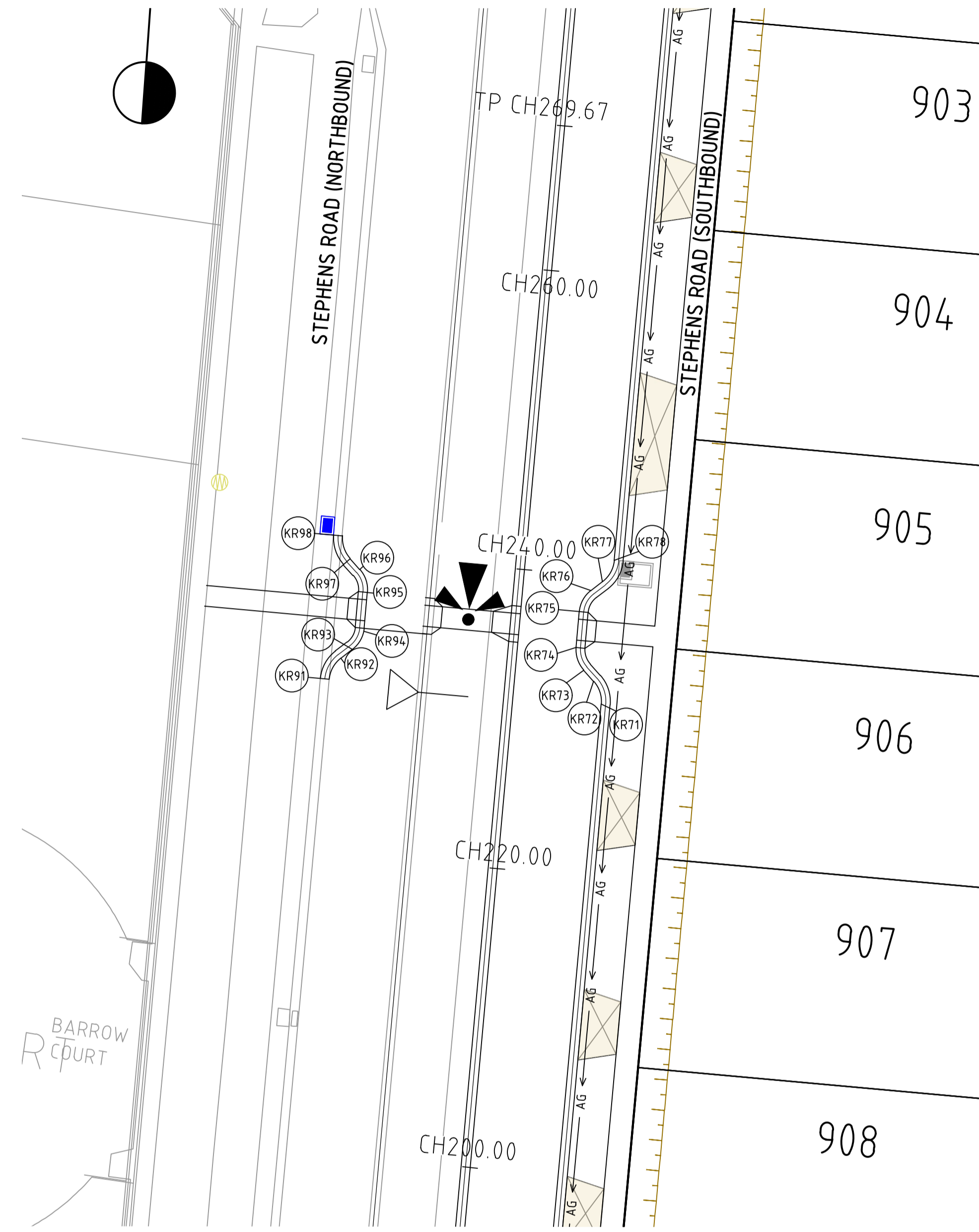


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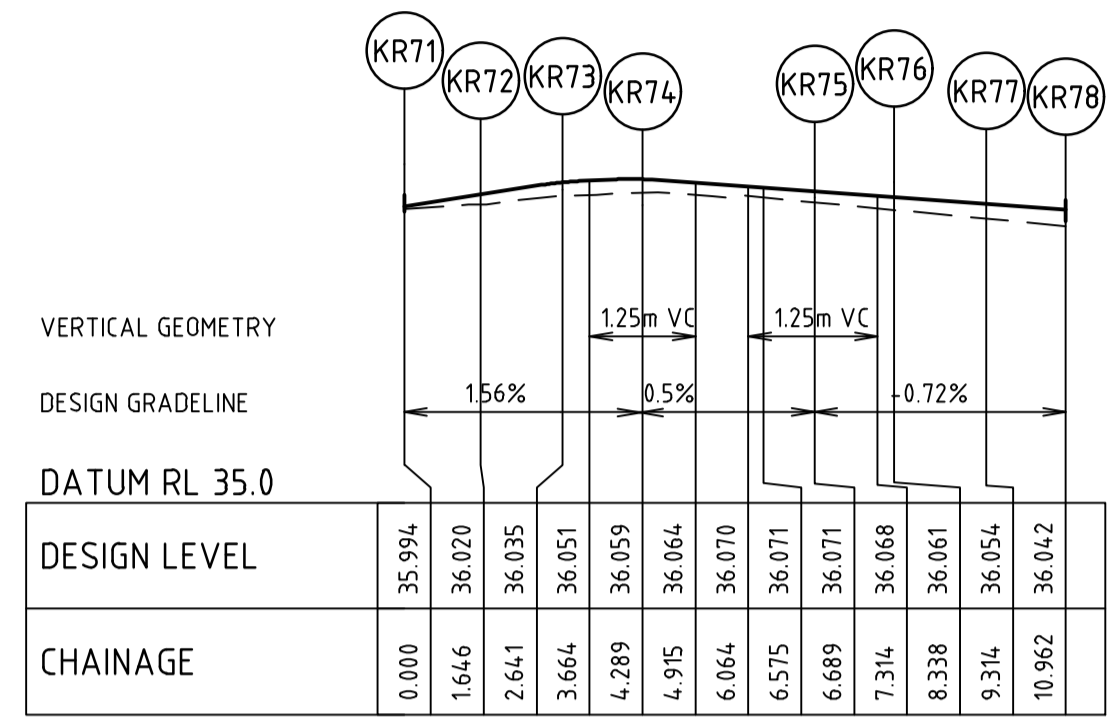
1/126 ALBERT ROAD WARRAGUL  
 VICTORIA 3820 AUSTRALIA T 61 3 5644 5000  
 spiire.com.au ABN 55 050 029 635

Designed: N.R.MATHEW  
 Authorised: B.WAREHAM  
 Checked: B.IBBS  
 Date: APRIL 2024

**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**INTERSECTION DETAILS - SHEET 2**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD  
**CONSTRUCTION** 310308CR501  
 Rev 0



INTERSECTION DETAIL PLAN  
 INTERSECTION OF STEPHENS ROAD AND DAKOTA STREET

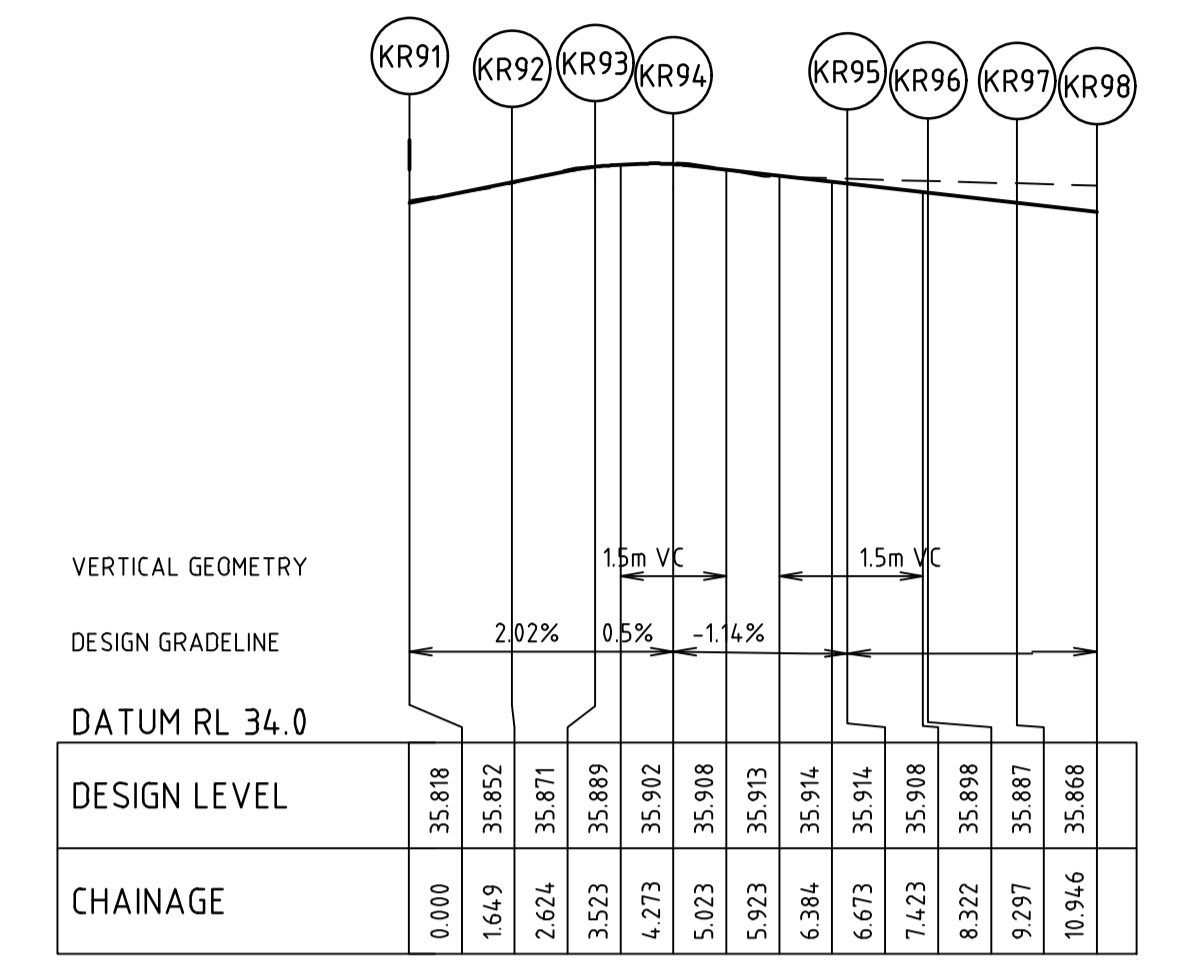


ALIGNMENT KR7

ALIGNMENT KR 7

POINT NO	EASTING	NORTHING	RL
KR71	359119.004	5785411.892	35.994
1/4	359118.999	5785412.303	36.000
1/2	359118.910	5785412.704	36.007
3/4	359118.741	5785413.078	36.013
KR72	359118.500	5785413.410	36.020
KR73	359117.834	5785414.150	36.035
1/4	359117.592	5785414.483	36.041
1/2	359117.423	5785414.858	36.048
3/4	359117.334	5785415.260	36.054
KR74	359117.330	5785415.671	36.059
KR75	359117.550	5785418.061	36.071
1/4	359117.630	5785418.465	36.070
1/2	359117.790	5785418.844	36.067
3/4	359118.025	5785419.181	36.064
KR76	359118.324	5785419.464	36.061
KR77	359119.098	5785420.058	36.054
1/4	359119.397	5785420.341	36.051
1/2	359119.632	5785420.679	36.048
3/4	359119.792	5785421.058	36.045
KR78	359119.872	5785421.461	36.042

CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
KR71-KR72	2.000	1.646	1.600	0.167	-0.042
KR73-KR74	2.000	1.649	1.602	0.167	0.042
KR75-KR76	2.000	1.649	1.602	0.167	0.042
KR77-KR78	2.000	1.649	1.602	0.167	-0.042

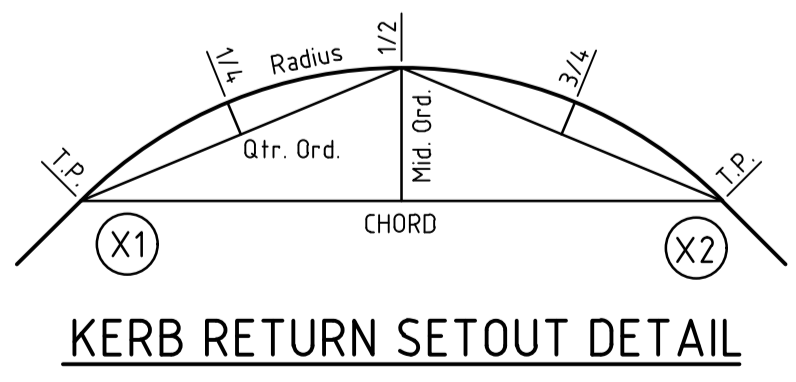


ALIGNMENT KR9

ALIGNMENT KR 9

POINT NO	EASTING	NORTHING	RL
KR91	359100.894	5785413.544	35.818
1/4	359100.974	5785413.947	35.827
1/2	359101.134	5785414.326	35.835
3/4	359101.369	5785414.664	35.843
KR92	359101.668	5785414.947	35.852
KR93	359102.442	5785415.541	35.871
1/4	359102.741	5785415.824	35.880
1/2	359102.976	5785416.162	35.888
3/4	359103.136	5785416.540	35.896
KR94	359103.216	5785416.944	35.902
KR95	359103.436	5785419.334	35.914
1/4	359103.432	5785419.745	35.911
1/2	359103.343	5785420.147	35.907
3/4	359103.174	5785420.522	35.903
KR96	359102.932	5785420.855	35.898
KR97	359102.279	5785421.580	35.887
1/4	359102.037	5785421.913	35.882
1/2	359101.868	5785422.288	35.877
3/4	359101.780	5785422.690	35.873
KR98	359101.775	5785423.101	35.868

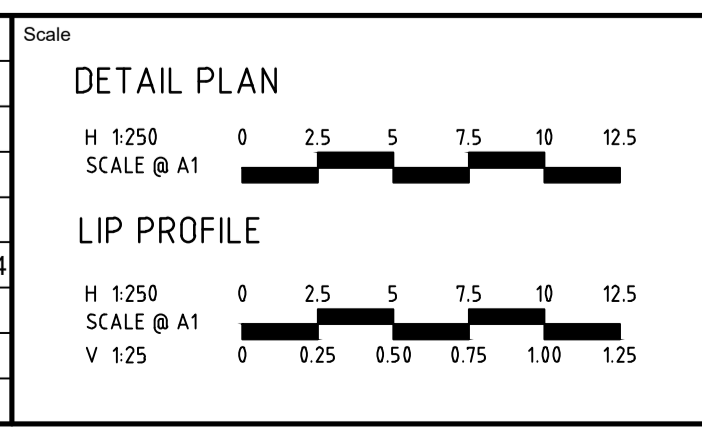
CURVE	RADIUS	ARC L	CHORD	MID ORD	QTR ORD
KR91-KR92	2.000	1.649	1.602	0.167	0.042
KR93-KR94	2.000	1.649	1.602	0.167	-0.042
KR95-KR96	2.000	1.649	1.602	0.167	-0.042
KR97-KR98	2.000	1.649	1.602	0.167	0.042



KERB RETURN SETOUT DETAIL

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Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
B	COUNCIL COMMENTS	B.W	FEB 2023
A	PRELIMINARY ISSUE	B.W	DEC 2023



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1/126 ALBERT ROAD WARRAGUL  
 VICTORIA 3820 AUSTRALIA T 61 3 5644 5000  
 spiire.com.au ABN 55 050 029 635

Designed  
 N.R.MATHEW  
 Authorised  
 B.WAREHAM

Checked  
 B.IBBS  
 Date  
 APRIL 2024

OFFICER CENTRAL  
 STAGE 9  
 ROAD AND DRAINAGE  
 INTERSECTION DETAILS - SHEET 3  
 CARDINIA SHIRE  
 YOURLAND PTY LTD

**CONSTRUCTION** Drg No 310308CR502 Rev 0



**DESIGN PAVEMENT PROFILE**

PAVEMENT LAYER	DESCRIPTION	TYPE 5* (CONNECTOR STREET)
ASPHALT WEARING COURSE	VICROADS SIZE 14 TYPE H	40
ASPHALT INTERMEDIATE COURSE	VICROADS SIZE 20 TYPE S1	75
ASPHALT BASE COURSE	VICROADS SIZE 20 TYPE S1	75
BITUMINOUS PRIME	NOMINAL	NOMINAL
SUBBASE	CEMENTED TREATED CLASS 3 CRUSHED ROCK (3% CEMENT)	180
LOWER SUBBASE	VICROADS 20mm CLASS 3 CRUSHED ROCK OR BETTER, 20mm CLASS CC3 CRUSHED CONCRETE OR BETTER	100
SUBGRADE	SILTY CLAY WITH DESIGN CBR OF 2.5%	
<b>TOTAL PAVEMENT DEPTH</b>		<b>470</b>

\* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

ROAD NAME	TYPE
STEPHENS ROAD	TYPE 5

**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.

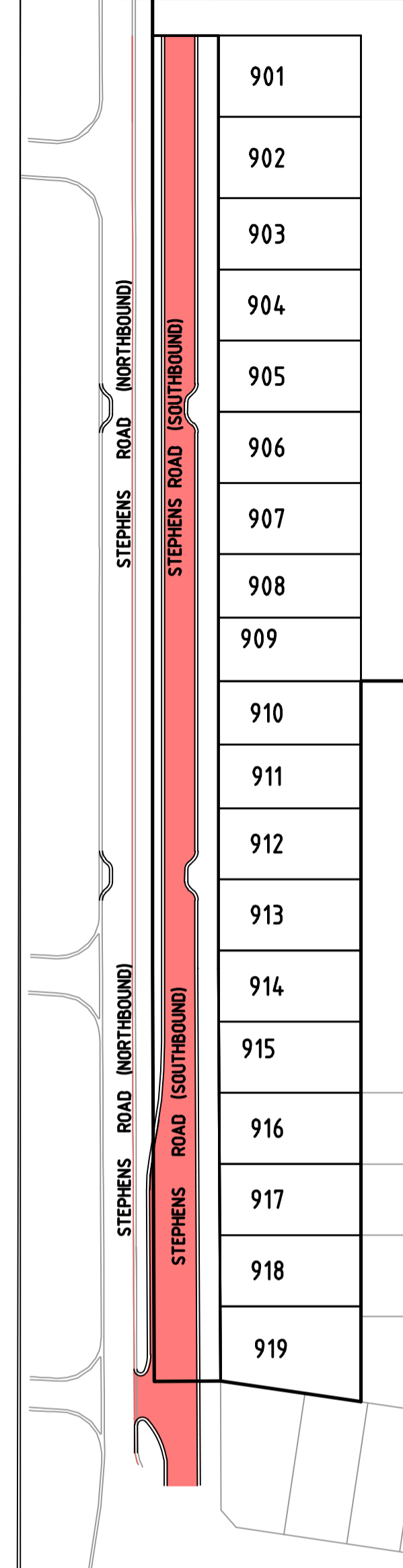
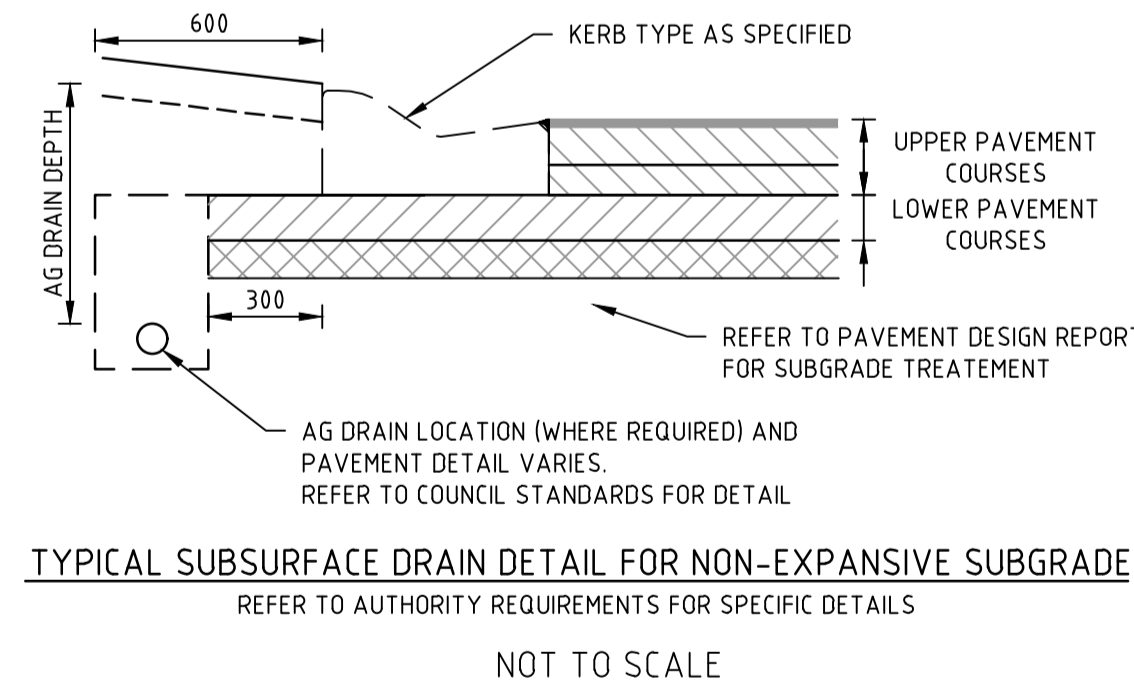
**PAVEMENT DETAILS**

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

THE DESIGN HAS BEEN EXTRACTED FROM THE OFFICER CENTRAL "LOT 1 RIX ROAD", OFFICER REPORT ON "GEOTECHNICAL INVESTIGATION FOR 754-MELGE29254-1AB-R02" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

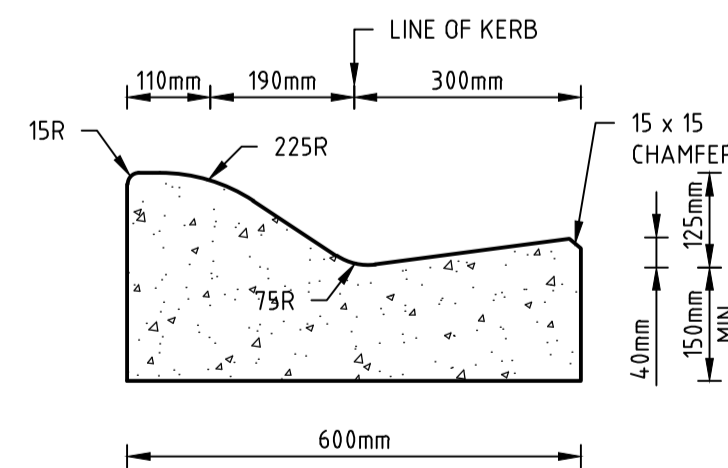
A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

SPIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS. ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO COFFEY P/L AND COPIED TO SPIRE.



**PAVEMENT PLAN**

H 1:1000 SCALE @ A1



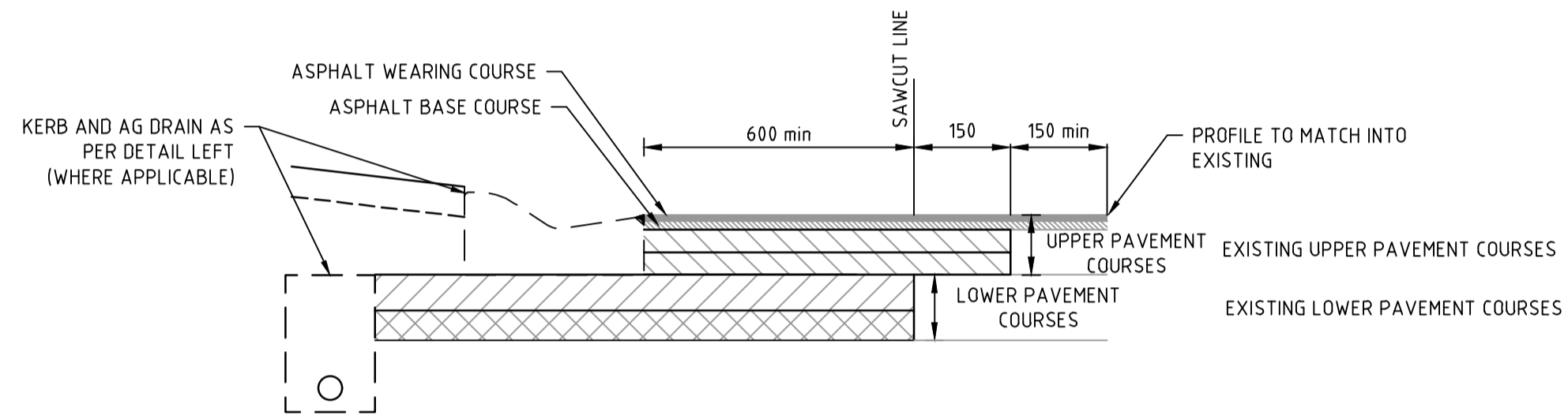
**STANDARD KERB PROFILES**

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

H 1:100 SCALE @ A1

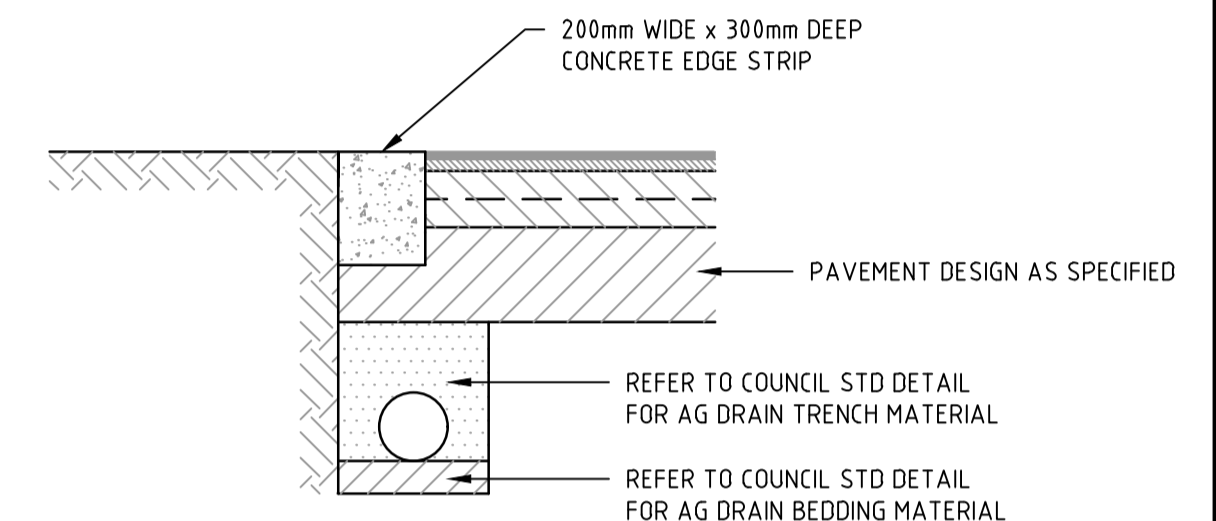
**DRAINAGE PIT SCHEDULE**

PIT NAME	PIT TYPE	INTERNAL		INLET		OUTLET		PIT		REMARKS
		WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
EX900	SIDE ENTRY PIT	2200	2300	1650	31.82	1650	31.77	35.674	3.70	CONVERT EXISTING JUNCTION PIT TO SIDE ENTRY PIT
901	DOUBLE SIDE ENTRY PIT	2200	2300	1650	31.97	1650	31.96	35.513	3.84	REFER TO MELBOURNE WATER 7251/08/4.08&4.09 FOR PIT DETAILS. TO BE CONSTRUCTED AS EXTENSION AS A DSEP (EDCM 604).
EX902	SIDE ENTRY PIT	2200	2300	1650	32.06	1650	32.04	35.794	3.82	CONVERT EXISTING JUNCTION PIT TO SIDE ENTRY PIT
EX903	SIDE ENTRY PIT	2200	2300	1650	32.41	1650	32.41	35.999	4.03	CONVERT EXISTING JUNCTION PIT TO SIDE ENTRY PIT
904	SIDE ENTRY PIT	900	600	300	35.54	300	35.54	35.53	0.01	CONSTRUCT PIT OVER EXISTING PIPE. REFER EDCM 603
905	SIDE ENTRY PIT	900	600	750	35.96	750	35.96	35.97	0.01	CONSTRUCT PIT OVER EXISTING PIPE. REFER EDCM 603
754	SIDE ENTRY PIT	350	900			225	34.725	35.235	0.510	REFER TO MELBOURNE WATER 7251/08/4.08&4.09 FOR PIT DETAILS. TO BE CONSTRUCTED AS EXTENSION AS A SEP (EDCM 604).



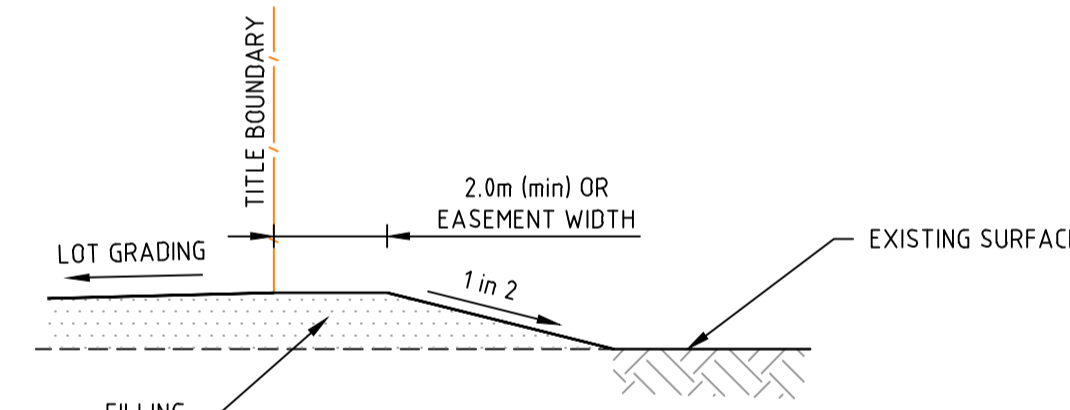
**JOINT DETAIL FOR EXISTING ROAD PAVEMENT INTERFACE**

NOT TO SCALE

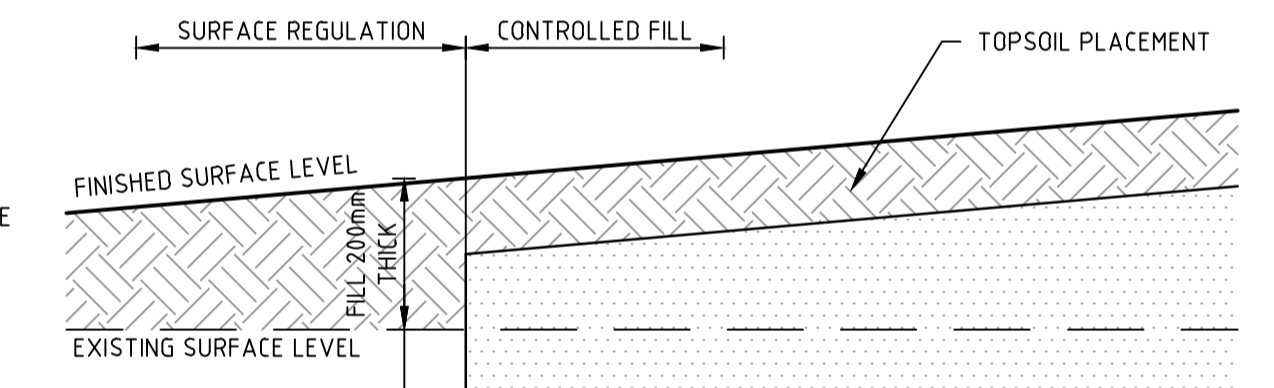


**LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL**

NOT TO SCALE

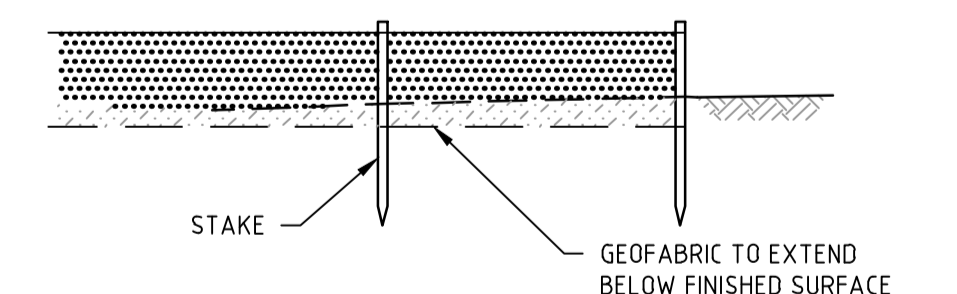


**LOT FILLING AT STAGE BOUNDARY**



**LOT REGRADING DETAIL**

**CONSENT FOR CONSTRUCTION**  
**CARDINIA SHIRE COUNCIL**  
 Ref No.: S23-055 - T220246  
 Sheet: 17 of 18  
 Approved by: Vithu Vijeyakumar  
**CARDINIA SHIRE COUNCIL**  
 Date: Wednesday, 8 May 2024



**SILT CONTROL FOR LOTS**  
 GEOFABRIC SILT FENCE

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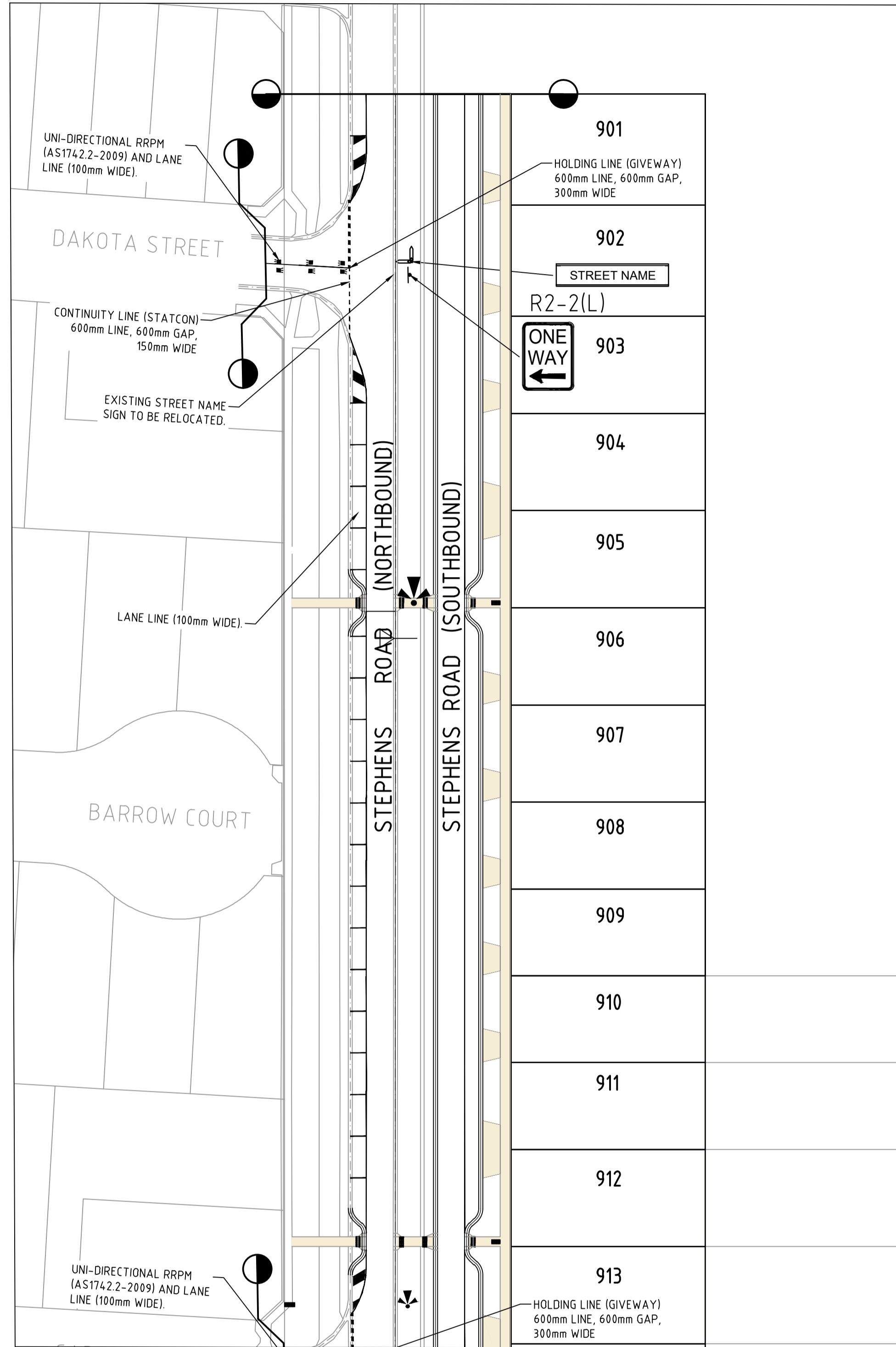
Rev	Description	By	Date
0	ISSUED FOR CONSTRUCTION	B.W	APRIL 2024
B	COUNCIL COMMENTS	B.W	FEB 2023
A	PRELIMINARY ISSUE	B.W	DEC 2023
Rev	Amendments	Approved	Date

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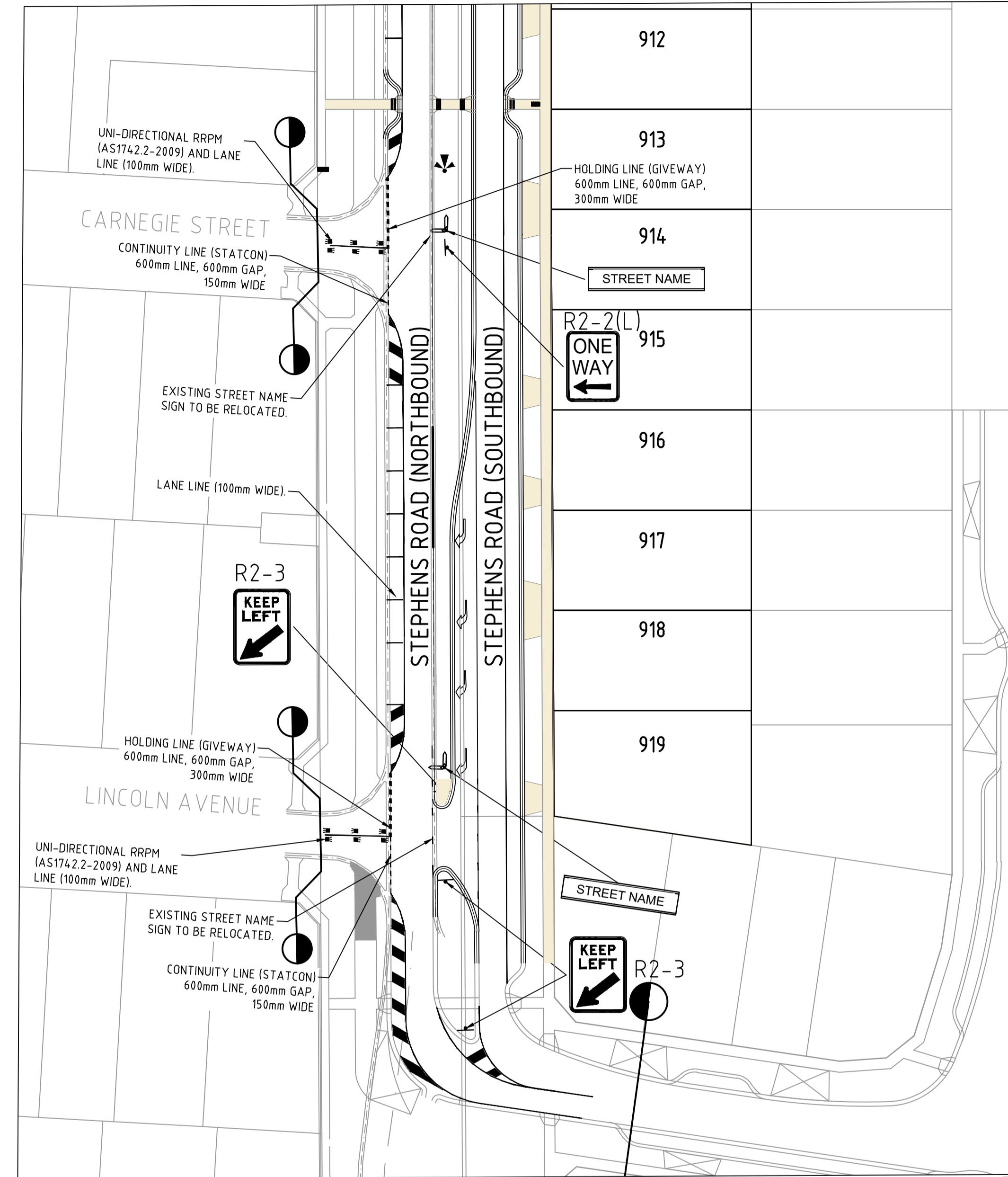
**YourLand** Developments  
 Designed: N.R.MATHEW  
 Authorised: B.WAREHAM  
 Checked: B.IBBS  
 Date: APRIL 2024

**OFFICER CENTRAL**  
**STAGE 9**  
**ROAD AND DRAINAGE**  
**PAVEMENT, DRAINAGE AND TYPICAL DETAILS**  
 CARDINIA SHIRE  
 YOURLAND PTY LTD  
**CONSTRUCTION** 310308CR700  
 Drg No: 310308CR700  
 Rev: 0



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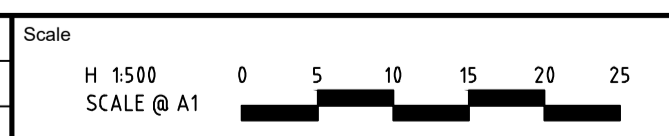
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CONSENT FOR CONSTRUCTION  
CARDINIA SHIRE COUNCIL  
Ref No.: S23-055 - T220246  
Sheet: 18 of 18  
Approved by: Vithu Vijayakumar  
CARDINIA SHIRE COUNCIL  
Date: Wednesday, 8 May 2024

file name: 310308CR800.dwg, layout: cons CR800, plotted by: Nareitha Pires, Matthew  
file location: G:\310308\310308\work\A1.dwg, plot date: 22/04/2024, 4:37 PM, Sheet: 18 of 18, Sheets

Rev	Amendments	Approved	Date
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Authorised  
B.WAREHAM  
Checked  
B.IBBS  
Date  
APRIL 2024

OFFICER CENTRAL  
STAGE 9  
ROAD AND DRAINAGE  
SIGNAGE AND LINEMARKING  
CARDINIA SHIRE  
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**CONSTRUCTION** 310308CR800 Rev 0