OFFICER CENTRAL STAGE 5 YOURLAND

GENERAL NOTES:

SURVEY

1. ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM AND ALL COORDINATES ARE TO MAP GRID OF AUSTRALIA (MGA) 94, ZONE 55.
2. 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.
3. 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.
4. ROAD CHAINAGES REFER TO ROAD CENTRELINES. CHAINAGES FOR INTERSECTIONS AND CUL-DE-SACS REFER TO THE LIP OF KERB

EARTHWORKS

5. 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.
6. WHERE REQUIRED ANY BUILDINGS, TROUGHS, 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.
7. ALL EXCAVATED ROCK AND SURPLUS SPOIL TO BE REMOVED AND DISPOSED OFF SITE UNLESS NOTED OTHERWISE.
8. 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.
9. FILLING MATERIAL IS TO BE IN ACCORDANCE WITH THE SPECIFICATION, AS 3798-2007 & TO THE SATISFACTION OF COUNCIL AND THE SUPERINTENDENT.
10. ALL BATTERS SHALL BE 1 IN 6, UNLESS OTHERWISE SHOWN.
11. 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.
12. 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.
13. AT LEAST 3 DAYS PRIOR TO COMMENCING WORK ON EXCAVATIONS IN EXCESS OF 1.50m 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.
14. 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.
15. 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
16. NO BLASTING TO BE CARRIED OUT WITHIN THE MUNICIPALITY WITHOUT OBTAINING COUNCILS PERMISSION.

SERVICES

17. 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).
18. ALL SERVICE CONDUIT TRENCHES UNDER ROAD PAVEMENTS TO BE BACKFILLED IN ACCORDANCE WITH RELEVANT MUNICIPALITY OR ROAD AUTHORITY SPECIFICATION.
19. WATER TAPPINGS TO BE LOCATED IN CENTRE OF ALLOTMENTS UNLESS OTHERWISE SHOWN.

STORM WATER DRAINAGE

20. AG/SUBSOIL DRAIN TO BE LAID BEHIND KERB WHERE REQUIRED IN ACCORDANCE WITH THE COUNCIL STANDARD DRAWINGS AND CONNECTED TO UNDERGROUND DRAINAGE.
21. 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
22. CENTRELINES OF ALL EASEMENT DRAINS ARE OFFSET 1.0m OR 2.3m (WHERE OUTSIDE OF SEWER) FROM THE PROPERTY LINE UNLESS SHOWN OTHERWISE.
23. 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.
24. 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

25. 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.
26. 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.
27. 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

28. 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.
29. ALL TEMPORARY WARNING SIGNS USED DURING CONSTRUCTION SHALL BE SUPPLIED AND MAINTAINED IN ACCORDANCE WITH AS 1742-3.
30. TACTILE GROUND SURFACE INDICATORS ARE TO BE INSTALLED IN ACCORDANCE WITH THE DISABILITY DISCRIMINATION ACT AND RELEVANT COUNCIL STANDARD DRAWINGS.

ENVIRONMENTAL

31. CONTRACTOR TO PROVIDE AN ENVIRONMENTAL MANAGEMENT PLAN INCLUDING SILT AND SEDIMENT RUNOFF PROTECTION ETC. PRIOR TO THE COMMENCEMENT OF WORKS.
32. 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.
33. TREES NOT SPECIFIED FOR REMOVAL ARE TO BE PROTECTED WITH APPROPRIATE EXCLUSION FENCING PRIOR TO COMMENCEMENT OF ANY WORKS.

MISCELLANEOUS

34. PROVIDE REFLECTIVE STREET NUMBER MARKERS ON THE KERB IN FRONT OF EACH LOT TO THE SATISFACTION OF COUNCIL.
35. 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.
36. HOUSE DRAIN LOCATIONS ARE TO BE STAMPED ON THE KERB FACE IN ACCORDANCE WITH VPA EDCM303
37. CONTRACTOR TO REFER TO AND COMPLY WITH CHMP / F&F REPORTS PROVIDED IN CONTRACT DOCUMENTS

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WARNING
BEWARE OF UNDERGROUND/OVERHEAD SERVICES
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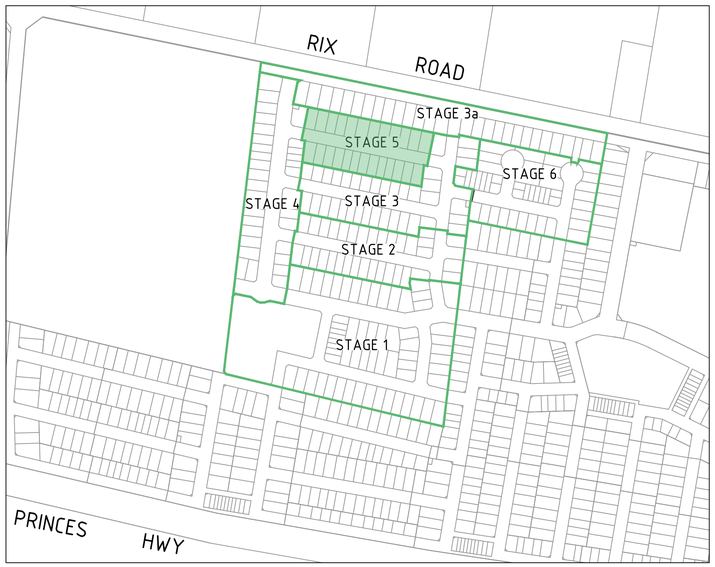

N
MGA 94
ZONE 55

LOCALITY PLAN

H 1:4000 SCALE @ A1 — 0 40 80 120 160 200

DRAWING SCHEDULE

DRAWING	DESCRIPTION	SHEET No.	REVISION
CR100	GENERAL NOTES - SHEET 1	1	0
CR200	ROAD LAYOUT PLANS - FACE PLAN	2	0
CR201	ROAD LAYOUT PLANS - EARTHWORKS PLAN	3	0
CR300	ROAD LONG SECTIONS - SHEET 1	4	0
CR400	ROAD CROSS SECTIONS - SHEET 1	5	0
CR600	DRAINAGE LONG SECTIONS - SHEET 1	6	0
CR700	PAVEMENT AND TYPICAL DETAILS - SHEET 1	7	0

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	
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)TP CH116.57	CH116.57 (L/R)TP 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		
RETAINING WALL		
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

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	07/02/22

Scale

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Designed S.SALHAN
Checked B.IBBS
Authorised B.WAREHAM
Date 29/09/2022

OFFICER CENTRAL STAGE 5
ROAD AND DRAINAGE
GENERAL NOTES
CARDINIA SHIRE
YOURLAND

CONSTRUCTION
Drg No 309133CR100
Rev 0

file name 309133CR100.dwg layout name CR100 plotted by Sourav Salhan
file location G:\30\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 1 of 7 Sheets

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SERVICE LOCATION TABLE

ROAD NAME	POTABLE WATER		RECYCLED WATER		GAS		NBN (TELECOM)		ELECTRICITY			
									POLE		U/G CABLE	
	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET	SIDE	OFFSET
BOOTLACE ROAD	S	2.837	S	2.412	S	2.017	N	1.85	N	0.9x	N	2.30

1. TELECOMMUNICATIONS AND ELECTRICITY CABLES TO BE CONSTRUCTED IN A COMMON TRENCH IN ACCORDANCE WITH ELECTRICITY AUTHORITY STANDARD DRG's.
2. GAS AND WATER MAINS TO BE CONSTRUCTED IN A COMMON TRENCH.
3. x = OFFSET FROM BACK OF KERB

WARNING

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file name 309133CR200.dwg layout name CR200 plotted by Saurav Salhan
file location G:\309\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 2 of 7 Sheets

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Scale
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SCALE @ A1 0 5 10 15 20 25

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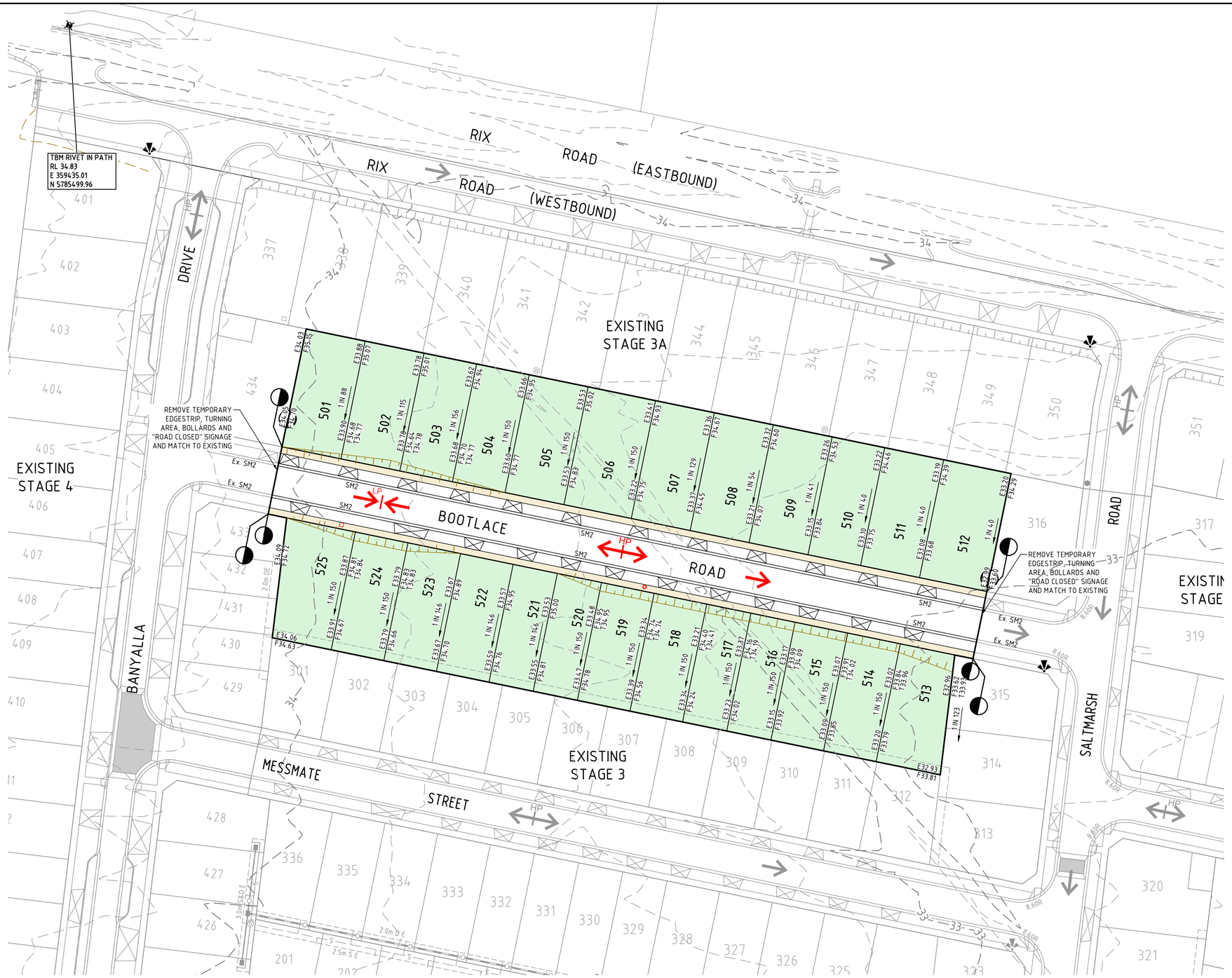
OFFICER CENTRAL STAGE 5
ROAD AND DRAINAGE
ROAD LAYOUT PLANS - FACE PLAN
CARDINIA SHIRE
YOURLAND

CONSTRUCTION
Drg No 309133CR200
Rev 0

FILL GREATER THAN 200mm



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file name 309133CR200.dwg layout name CR201 plotted by Suraj Salhan
file location \\spiire\bendigo\Data\30\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 3 of 7 Sheets

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0 5 10 15 20 25

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OFFICER CENTRAL STAGE 5

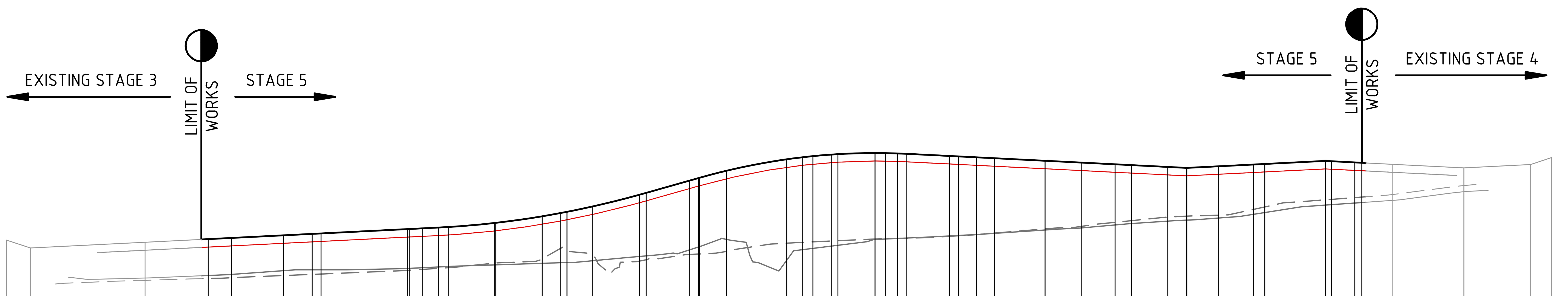
ROAD AND DRAINAGE

ROAD LAYOUT PLANS - EARTHWORKS PLAN

CARDINIA SHIRE
YOURLAND

CONSTRUCTION

Drg No 309133CR201
Rev 0



VERTICAL GEOMETRY: 30.00m VC | 30.00m VC

DESIGN GRADELINE: -3.28% | 0.50% | 2.83% | -0.50% | 0.50% | -0.50% | 0.50% | 3.33%

DATUM RL 30.5

DESIGN CENTRELINE	33.506	33.393	33.476	33.516	33.521	33.538	33.576	33.596	33.602	33.665	33.666	33.676
LEFT DESIGN LIP OF KERB			33.361	33.401	33.406	33.423	33.461	33.481	33.487	33.550	33.551	33.561
RIGHT DESIGN LIP OF KERB			33.361	33.401	33.406	33.423	33.461	33.481	33.487	33.550	33.551	33.561
EX SURFACE LEFT BOUNDARY			32.927	32.952	32.955	32.964	32.996	33.013	33.018	33.071	33.072	33.085
EX SURFACE RIGHT BOUNDARY			32.961	32.993	32.997	33.012	33.066	33.078	33.078	33.098	33.099	33.108
CHAINAGE	0.000	3.462	20.000	28.115	29.115	32.453	40.000	44.115	45.395	57.895	58.115	60.000

DESIGN CENTRELINE	33.687	33.695	33.753	33.755	33.850	33.897	33.914	33.992	34.161	34.187	34.365	34.400
LEFT DESIGN LIP OF KERB	33.572	33.581	33.638	33.641	33.737	33.782	33.800	33.877	34.046	34.072	34.250	34.285
RIGHT DESIGN LIP OF KERB	33.572	33.581	33.638	33.641	33.737	33.782	33.800	33.877	34.046	34.072	34.250	34.285
EX SURFACE LEFT BOUNDARY	33.100	33.109	33.175	33.177	33.237	33.389	33.372	33.278	33.205	33.223	33.300	33.306
EX SURFACE RIGHT BOUNDARY	33.120	33.127	33.149	33.150	33.172	33.180	33.182	33.209	33.271	33.279	33.367	33.407
CHAINAGE	62.321	63.766	70.395	70.615	77.321	80.000	80.895	84.615	91.395	92.321	98.615	99.857

DESIGN CENTRELINE	34.404	34.505	34.671	34.700	34.716	34.739	34.745	34.761	34.759	34.755	34.749	34.718
LEFT DESIGN LIP OF KERB	34.289	34.388	34.552	34.584	34.598	34.622	34.630	34.646	34.644	34.639	34.634	34.603
RIGHT DESIGN LIP OF KERB	34.289	34.388	34.552	34.584	34.598	34.622	34.630	34.646	34.644	34.639	34.634	34.603
EX SURFACE LEFT BOUNDARY	33.307	33.343	33.462	33.474	33.481	33.494	33.498	33.522	33.526	33.531	33.534	33.561
EX SURFACE RIGHT BOUNDARY	33.412	33.517	33.217	33.368	33.387	33.421	33.432	33.515	33.522	33.530	33.536	33.567
CHAINAGE	100.000	103.895	112.615	114.857	116.395	119.115	120.000	125.352	126.895	128.615	129.857	136.114

DESIGN CENTRELINE	34.712	34.699	34.686	34.649	34.623	34.599	34.587	34.561	34.547	34.547	34.570	34.595
LEFT DESIGN LIP OF KERB	34.597	34.584	34.571	34.534	34.508	34.484	34.472	34.446	34.432	34.432	34.455	34.480
RIGHT DESIGN LIP OF KERB	34.597	34.584	34.571	34.534	34.508	34.484	34.472	34.446	34.432	34.432	34.455	34.480
EX SURFACE LEFT BOUNDARY	33.569	33.586	33.607	33.668	33.704	33.763	33.787	33.838	33.852	33.852	33.866	33.949
EX SURFACE RIGHT BOUNDARY	33.574	33.587	33.604	33.652	33.682	33.725	33.746	33.780	33.795	33.795	33.824	33.878
CHAINAGE	137.395	140.000	142.615	149.895	155.115	160.000	162.395	167.615	170.347	170.356	174.895	180.000

DESIGN CENTRELINE	34.603	34.647	34.643	34.626	34.621	34.599	34.547	34.595	34.596	34.695
LEFT DESIGN LIP OF KERB	34.488	34.532	34.528	34.511	34.506	34.484				
RIGHT DESIGN LIP OF KERB	34.488	34.532	34.528	34.511	34.506	34.484				
EX SURFACE LEFT BOUNDARY	33.984	34.087	34.093	34.119	34.126	34.162	34.292			
EX SURFACE RIGHT BOUNDARY	33.903	34.011	34.017	34.041	34.048	34.078	34.204			
CHAINAGE	181.615	190.347	191.217	194.615	195.615	200.000	210.347	219.986	220.000	222.986

BOOTLACE RD

file name 309133CR300.dwg layout name CR300 plotted by Sourav Salhan
file location G:\30\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 4 of 7 Sheets

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	07/02/22

Scale
H 1:500 — 0 5 10 15 20 25
SCALE @ A1
V 1:50 — 0 0.5 1 1.5 2 2.5

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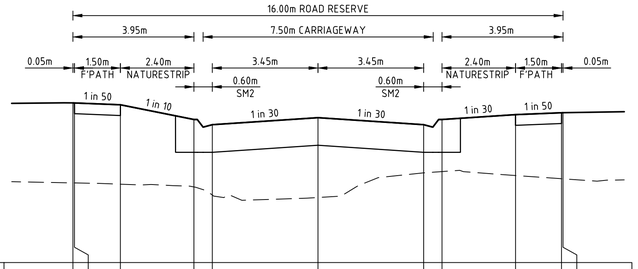
Checked: B.IBBS
Authorised: B.WAREHAM
Date: 29/09/2022

OFFICER CENTRAL
STAGE 5
ROAD AND DRAINAGE
ROAD LONG SECTIONS
CARDINIA SHIRE
YOURLAND

CONSTRUCTION Drg No **309133CR300** 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.

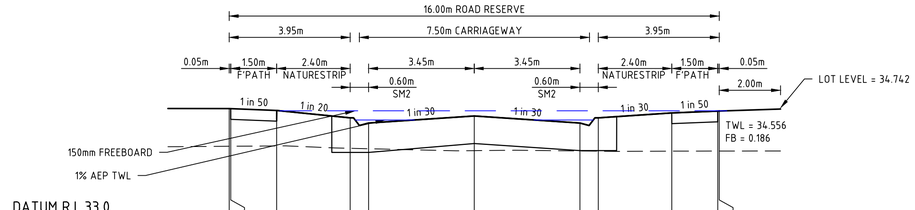


DATUM R.L.32.0

DESIGN SURFACE LEVEL		34.606	34.605	34.575	34.335	34.250	34.365	34.250	34.335	34.415	34.445	34.446				
EXISTING SURFACE LEVEL		33.300	33.300	33.279	33.235	33.102	33.062	33.464	33.485	33.420	33.368	33.367				
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000				

BOOTLACE RD

CH 98.61

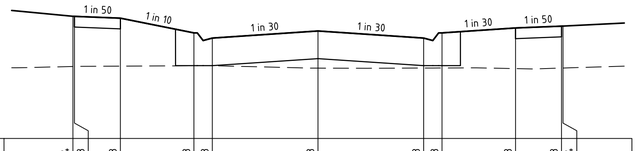


DATUM R.L.33.0

DESIGN SURFACE LEVEL		34.742	34.741	34.711	34.591	34.506	34.621	34.506	34.591	34.671	34.701	34.702				
EXISTING SURFACE LEVEL		34.126	34.126	34.132	34.093	34.086	34.055	34.050	34.047	34.047	34.048	34.048				
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000				

BOOTLACE RD

CH 195.62

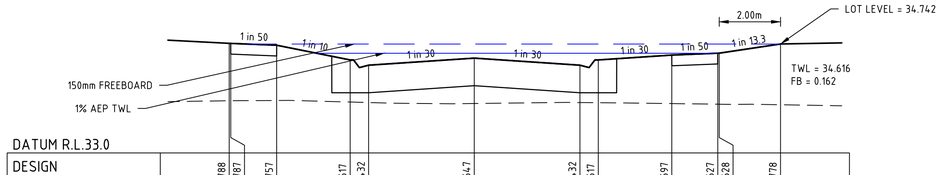


DATUM R.L.32.0

DESIGN SURFACE LEVEL		33.994	33.993	33.963	33.723	33.638	33.753	33.638	33.723	33.803	33.833	33.834				
EXISTING SURFACE LEVEL		33.174	33.175	33.180	33.186	33.187	33.147	33.149	33.150	33.140	33.148	33.149				
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000				

BOOTLACE RD

CH 70.39

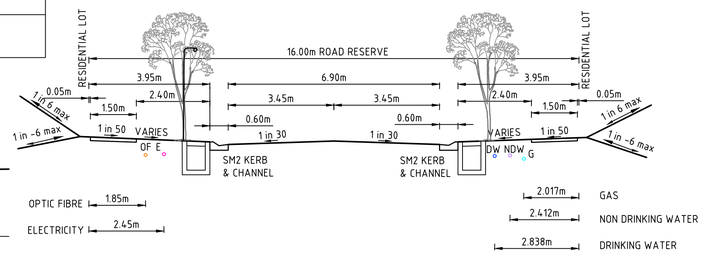


DATUM R.L.33.0

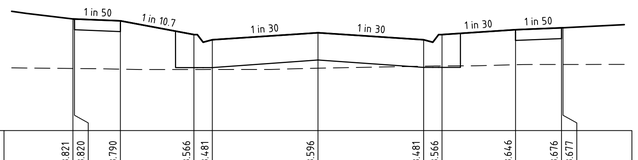
DESIGN SURFACE LEVEL		34.788	34.787	34.757	34.517	34.432	34.547	34.432	34.517	34.597	34.627	34.628	34.778			
EXISTING SURFACE LEVEL		33.851	33.852	33.856	33.830	33.822	33.806	33.822	33.819	33.805	33.795	33.795	33.786			
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000	10.000			

BOOTLACE RD

CH 170.35



1. BOOTLACE ROAD
16m WIDE RESIDENTIAL ROAD

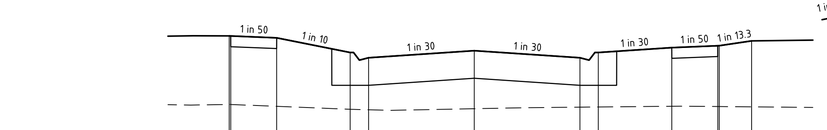


DATUM R.L.32.0

DESIGN SURFACE LEVEL		33.821	33.820	33.790	33.566	33.481	33.596	33.481	33.566	33.646	33.676	33.677				
EXISTING SURFACE LEVEL		33.013	33.013	33.002	32.996	32.996	33.018	33.050	33.054	33.074	33.078	33.078				
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000				

BOOTLACE RD

CH 44.12

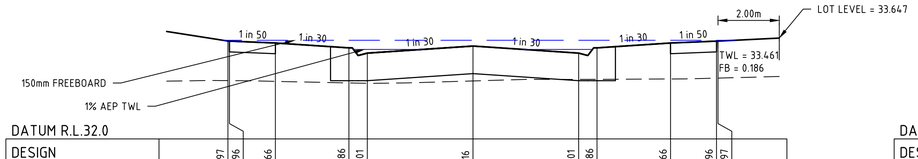


DATUM R.L.33.0

DESIGN SURFACE LEVEL		34.853	34.852	34.822	34.582	34.497	34.612	34.497	34.582	34.662	34.692	34.693	34.773			
EXISTING SURFACE LEVEL		33.735	33.734	33.704	33.656	33.648	33.665	33.691	33.694	33.705	33.701	33.701	33.696			
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000	9.056			

BOOTLACE RD

CH 157.26

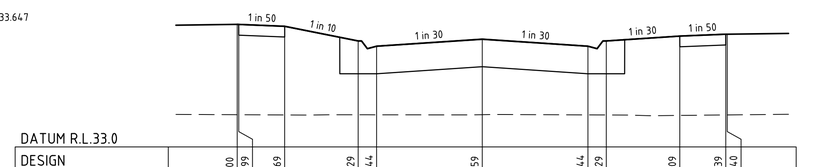


DATUM R.L.32.0

DESIGN SURFACE LEVEL		33.597	33.596	33.566	33.486	33.401	33.516	33.401	33.486	33.566	33.596	33.597				
EXISTING SURFACE LEVEL		32.952	32.952	32.940	32.914	32.908	32.946	32.971	32.973	32.979	32.992	32.993				
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000				

BOOTLACE RD

CH 28.11



DATUM R.L.33.0

DESIGN SURFACE LEVEL		35.000	34.999	34.969	34.729	34.644	34.759	34.644	34.729	34.809	34.839	34.840				
EXISTING SURFACE LEVEL		33.526	33.526	33.522	33.525	33.525	33.526	33.523	33.522	33.514	33.522	33.522				
OFFSET	-8.000	-7.950	-6.450		-4.050	-3.450	0.000	3.450	4.050	6.450	7.950	8.000				

BOOTLACE RD

CH 126.89

Rev	Amendments	Approved	Date
0	ISSUED FOR CONSTRUCTION	B.W	29/09/22
A	PRELIMINARY ISSUE	B.W	07/02/22

Scale
H 1:100 0 1 2 3 4 5
SCALE @ A1
V 1:50 0 0.5 1 1.5 2 2.5

System Certified

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YourLand Developments

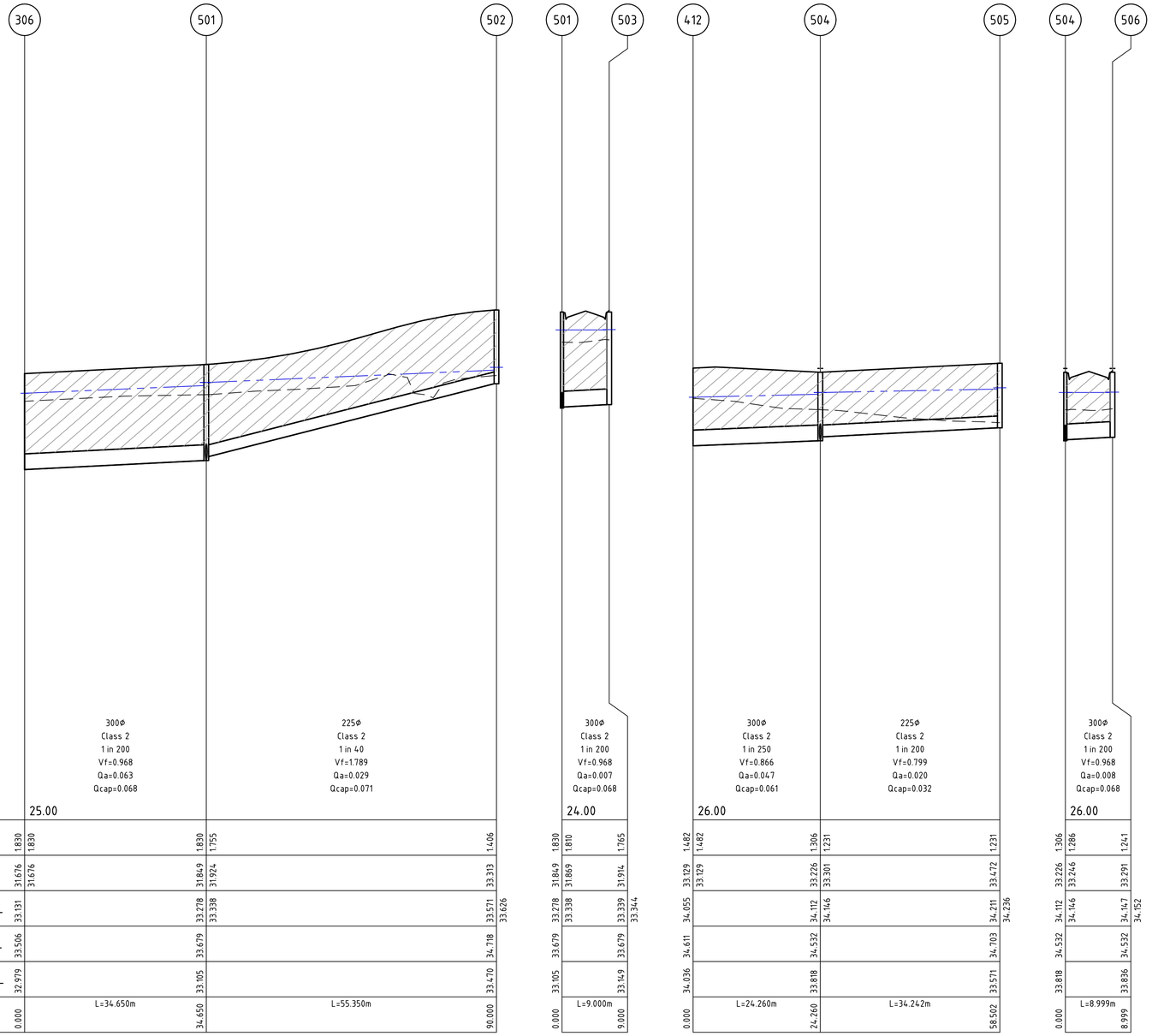
Designed S.SALHAN
Checked B.IBBS
Authorised B.WAREHAM
Date 29/09/2022

OFFICER CENTRAL STAGE 5
ROAD AND DRAINAGE
ROAD CROSS SECTIONS & TYPICAL SECTIONS
CARDINIA SHIRE
YOURLAND

CONSTRUCTION Drg No **309133CR400** Rev **0**

file name 309133CR400.dwg layout name CR400 plotted by Saurav Salhan
file location G:\30\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 5 of 7 Sheets

CRUSHED ROCK BACKFILL



DRAINAGE PIT SCHEDULE

PIT		INTERNAL		INLET		OUTLET		PIT		REMARKS
NAME	TYPE	WIDTH	LENGTH	DIA	INV LEVEL	DIA	INV LEVEL	FS LEVEL	DEPTH	
306	ENDPIPE	0	0	300	31.676			33.506	1.830	CONNNECT TO EXISTING ENDPIPE
501	GRATED SIDE ENTRY PIT	600	900	225	31.924	300	31.849	33.679	1.830	REFER TO EDCM 603
				300	31.869					
502	JUNCTION PIT	600	900			225	33.313	34.718	1.406	REFER TO EDCM 605
503	GRATED SIDE ENTRY PIT	600	900			300	31.914	33.679	1.765	REFER TO EDCM 603
412	ENDPIPE	0	0	300	33.129			34.611	1.482	CONNECT TO EXISTING ENDPIPE
504	GRATED SIDE ENTRY PIT	600	900	225	33.301	300	33.226	34.532	1.306	REFER TO EDCM 603
				300	33.246					
505	JUNCTION PIT	600	900			225	33.472	34.703	1.231	REFER TO EDCM 605
506	GRATED SIDE ENTRY PIT	600	900			300	33.291	34.532	1.241	REFER TO EDCM 603

Rev	Amendments	Approved	Date
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A	PRELIMINARY ISSUE	B.W	07/02/22

Scale
H 1:500 0 5 10 15 20 25
SCALE @ A1
V 1:50 0 0.5 1 1.5 2 2.5

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YourLand Developments

Designed S.SALHAN
Checked B.IBBS
Authorised B.WAREHAM
Date 29/09/2022

OFFICER CENTRAL STAGE 5
ROAD AND DRAINAGE
DRAINAGE LONG SECTIONS
CARDINIA SHIRE
YOURLAND

CONSTRUCTION
Drg No **309133CR600**
Rev **0**

file name 309133CR600.dwt layout name CR600 plotted by Saurav Salhan
file location G:\309\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 6 of 7 Sheets

DESIGN PAVEMENT PROFILE

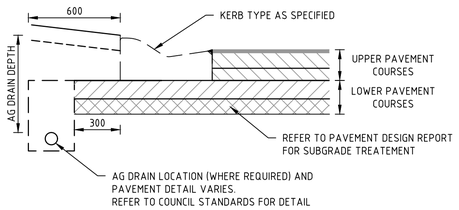
PAVEMENT LAYER	DESCRIPTION	DEPTH (mm) TYPE B* (ACCESS STREET Level 1)
ASPHALT WEARING COURSE	VICROADS SIZE 10 TYPE N CLASS C170 BINDER	30
ASPHALT BASE COURSE	VICROADS SIZE 10 TYPE N CLASS C170 BINDER	30
BITUMINOUS PRIME	NOMINAL	NOMINAL
BASE	VICROADS 20mm CLASS 2 CRUSHED ROCK OR EQUIVALENT	130
UPPER SUBBASE	VICROADS 20mm CLASS 3 CRUSHED ROCK OR BETTER, 20mm CLASS CC3 CRUSHED CONCRETE OR BETTER	100
LOWER SUBBASE	VICROADS CLASS 4 CRUSHED ROCK OR BETTER, CLASS CC3 CRUSHED CONCRETE OR BETTER	160
SUBGRADE	SILTY CLAY WITH DESIGN CBR OF 3.5%	
	TOTAL PAVEMENT DEPTH	450

* REFER PAVEMENT PLAN FOR LOCATION OF PAVEMENT TYPES

ROAD NAME	TYPE
BOOTLACE ROAD	B

GENERAL NOTES:

1. ALL WORKS TO BE COMPLETED IN ACCORDANCE WITH RELEVANT AUSTRALIAN STANDARDS AND CCAA LITERATURE; OR VIC ROADS STANDARDS FOR NON RESIDENTIAL STREETS.
2. ALL CONCRETE TO BE MINIMUM 32MPa COMPRESSIVE STRENGTH
3. CONCRETE TO BE THOROUGHLY COMPACTED USING EITHER SURFACE AND/OR IMMERSION VIBRATORS, PARTICULARLY AROUND REINFORCEMENT AND IN CORNERS OF FORMS.
4. PRIOR TO CASTING, THE UNBOUND GRANULAR SUBBASE MUST BE DAMP TO ENSURE NO EARLY "DRYING OUT" OF THE CONCRETE.
5. CURING OF CONCRETE IS ESSENTIAL - IDEALLY BY MAINTAINING WET HESSIAN OR SEALING WITH PLASTIC SHEETING.
6. SAW CUTTING OF CONCRETE SHOULD BE COMMENCED AS SOON AS CONCRETE PERMITS BY EXPERIENCED CONTRACTORS, BUT NO LATER THAN 12 HOURS AFTER POUR.
7. 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.
8. ALL JOINTS TO BE APPROPRIATELY SEALED TO RESIST THE INTRUSION OF SAND AND GRAVEL AND TO MINIMISE THE INGRESS OF WATER.



TYPICAL SUBSURFACE DRAIN DETAIL FOR NON-EXPANSIVE SUBGRADE

REFER TO AUTHORITY REQUIREMENTS FOR SPECIFIC DETAILS

NOT TO SCALE

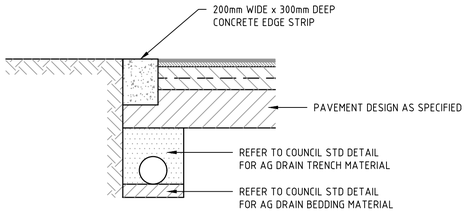
PAVEMENT DETAILS

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 .

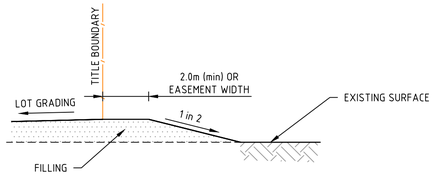
THE DESIGN HAS BEEN EXTRACTED FROM THE LOT 2 45-51 RIX ROAD, OFFICER - GEOTECHNICAL INVESTIGATION AND PAVEMENT DESIGN REPORT ON "GEOTECHNICAL INVESTIGATION FOR OFFICER CENTRAL" THIS DOCUMENT SHOULD BE REVIEWED TO ENSURE THAT THE DESIGN HAS BEEN ACCURATELY REPRODUCED.

A COPY OF THE DOCUMENT WILL BE PROVIDED ON REQUEST.

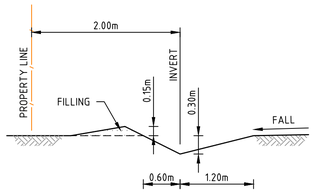
SPIIRE DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY, ADEQUACY OR APPROPRIATENESS OF THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS.
ANY QUERIES IN RESPECT TO THE GEOTECHNICAL WORK AND PAVEMENT DESIGNS SHOULD BE ADDRESSED TO COFFEY AND COPIED TO SPIIRE.



LIMIT OF WORKS CONCRETE EDGE STRIP & PAVEMENT INTERFACE DETAIL

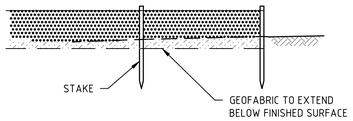


LOT FILLING AT STAGE BOUNDARY



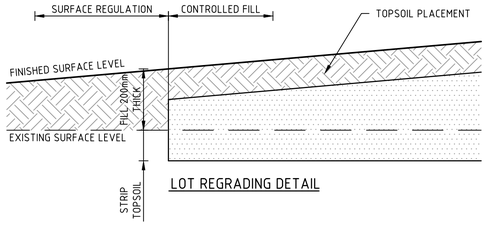
TYPICAL CATCH DRAIN SECTION

NOT TO SCALE

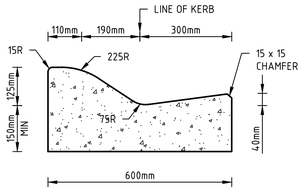


SILT CONTROL FOR LOTS

GEOFABRIC SILT FENCE



LOT REGRADING DETAIL



SM2

STANDARD KERB PROFILES

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

H 1:100 SCALE @ A1 — 0 1 2 3 4 5

PAVEMENT PLAN

H 1:1000 SCALE @ A1 — 0 10 20 30 40 50

Rev	Amendments	Approved	Date
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Scale

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Designed S.SALHAN
Checked B.IBBS
Authorised B.WAREHAM
Date 29/09/2022

OFFICER CENTRAL STAGE 5
ROAD AND DRAINAGE
PAVEMENT AND TYPICAL DETAILS
CARDINIA SHIRE
YOURLAND

CONSTRUCTION Drg No **309133CR700** Rev **0**

file name 309133CR700.dwg layout name CR700 plotted by Saurav Salhan
file location G:\309\309133\Civil\ACAD plot date 29/09/2022 10:09 AM Sheet 7 of 7 Sheets