MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD ROAD RECONSTRUCTION

GENERAL NOTES

- 1. ALL LEVELS AND COORDINATES ARE TO AN ARBITRARY DATUM.
- 2. THE CONTRACTOR SHALL SETOUT THE WORKS FROM THE NOMINATED REFERENCE LINES, SURVEY MARKS AND CONTROL POINTS SHOWN ON THE PLANS AND TO THE SPECIFIED DETAILS.
- 3. THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE SURVEY MARKS FOR THE DURATION OF THE CONTRACT.
- 4. THE EDGES OF EXCAVATIONS IN BITUMINOUS AND/OR CONCRETE PAVEMENT ARE TO BE SAW CUT TO SUFFICIENT DEPTH (MINIMUM 200mm) TO PREVENT ANY OVERBREAK, LIFTING OR DAMAGE TO THE ADJACENT PAVEMENT.
- 5. ALL EXISTING REDUNDANT CONCRETE, PAVEMENT, SOIL, RUBBISH AND CONSTRUCTION DEBRIS SHALL BE TAKEN UP AND REMOVED FROM SITE.
- 6. PRIOR TO COMPLETION THE CONTRACTOR SHALL ENSURE THE SITE IS TIDIED AND OBTAIN A CLEARANCE FROM THE SUPERINTENDENT.
- 7. ALL EXISTING TREES WITHIN THE WORKS AREA SHALL BE PROTECTED AT ALL TIMES UNLESS OTHERWISE STATED OR DIRECTED BY COUNCIL'S SUPERINTENDENT.
- 8. TRAFFIC MANAGEMENT SHALL BE ARRANGED BY THE CONTRACTOR FOR THE DURATION OF THE WORKS IN ACCORDANCE WITH THE SPECIFICATION AND TO THE SATISFACTION OF THE SUPERINTENDENT, INCLUDING THE PROVISION OF ALL NECESSARY SIGNAGE, LIGHTING AND BARRICADING. TRAFFIC FLOWS IN ALL ABUTTING ROADWAYS AND PROPERTY ACCESS SHALL REMAIN UNIMPEDED FOR THE DURATION OF THE WORKS. ALL TRAFFIC MANAGEMENT WORKS TO BE IN ACCORDANCE WITH AS1742.3 AND THE CODE OF PRACTICE FOR THE CURRENT ROAD MANAGEMENT ACT.
- 9. ALL DISTURBED AREAS WITHIN THE WORKS LIMIT SHALL BE TOPSOILED (MIN. 100mm DEPTH), CULTIVATED, FERTILISED AND SEEDED WITH AN APPROVED GRASS SEED MIXTURE.
- 10. ALL DEPTHS OF ASPHALT & CRUSHED ROCK FOR NEW PAVEMENT COMPOSITION ARE COMPACTED DEPTHS.
- 11. ALL NEW KERB AND CHANNEL CONSTRUCTION IS TO MATCH IN NEATLY WITH THE EXISTING KERB & CHANNEL.
- 12. THE EXACT LOCATION OF ALL SERVICES SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO EXCAVATING IN THEIR VICINITY. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. EXTREME CAUTION SHALL BE EXERCISED WHEN EXCAVATING IN THE VICINITY OF SERVICES, INCLUDING ELECTRICITY POLES, UNDERGROUND SERVICES, ETC. THE RELEVANT AUTHORITY SHALL BE CONTACTED PRIOR TO EXCAVATING IN CLOSE PROXIMITY TO SERVICES. SERVICE LOCATIONS ARE INDICATIVE ONLY.
- 13. ALL SERVICE FITTINGS WHICH ARE WITHIN THE LIMIT OF WORKS AREA SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS AS REQUIRED.
- 14. ALL NEW LINEMARKING AND SIGNAGE SHALL BE IN ACCORDANCE WITH VIC ROADS TRAFFIC ENGINEERING MANUAL VOL. 2 SIGNS AND MARKINGS AND AS1742.2, AND INSTALLED AS SHOWN ON THE SIGNAGE AND LINEMARKING PLANS. ALL NEW SIGNS ARE TO BE LOCATED 800mm BEHIND BACK OF KERB AND AS DIRECTED BY COUNCIL'S SUPERINTENDENT.
- 15. THE CONTRACTOR IS TO SUPPORT ELECTRICITY POLES ALL IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.

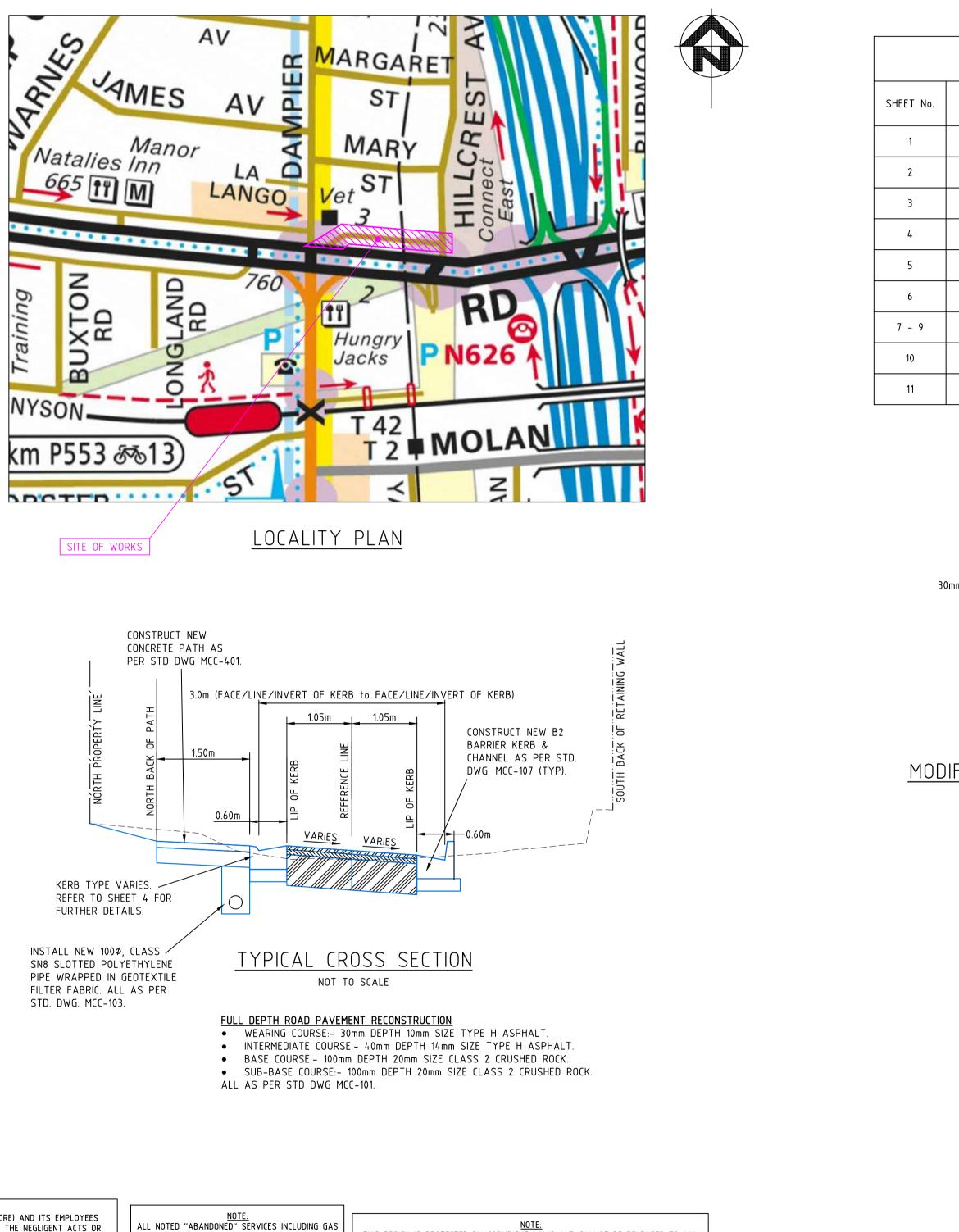


WARNING

BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. IO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. HE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS. NOTE: THE APPOINTED CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE COUNCIL, CRE CONSULTING ENGINEERS (CRE) AND ITS EMPLOYEES INCLUDING SUB-CONTRACTORS AGAINST ANY CLAIM FOR INJURY, LOSS OR DAMAGE THAT IS MADE ARISING OUT OF THE NEGLIGENT ACTS OR OMISSIONS OF THE CONTRACTOR. ALL INFORMATION PROVIDED ON THESE PLANS SHALL BE CHECKED BY THE APPOINTED CONTRACTOR PRIOR TO OMMENCING CONSTRUCTION. IF THERE ARE ANY ERRORS, PERCEIVED AMBIGUITY OR INFORMATION IS NOT UNDERSTOOD BY THE CONTRACTOR, THEN THE CONTRACTOR SHOULD CONTACT COUNCIL'S SUPERINTENDENT IMMEDIATELY FOR CLARIFICATION. COUNCIL SHOULD BE GIVEN THE OPPORTUNITY AND SUFFICIENT TIME TO INVESTIGATE, PRIOR TO ANY CONSTRUCTION COMMENCING OR CONTINUING. CRE WILL NOT BE HELD RESPONSIBLE OR LIABLE AGAINST ANY CLAIM MADE FOR MISINTERPRETATION OF THE SUPPLIED PLANS.

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	W EX WATER MAIN				
	ABW EX ABANDONED WATER MAIN				
	G EX GAS MAIN		EX. SIGN		
5	ABG EX ABANDONED GAS MAIN		EXISTING BOLLARD		
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	HE HOUSE DIVIN				



<u>NOTE:</u> THIS DESIGN IS PROTECTED BY COPYRIGHT LAWS AND CANNOT BE RELEASED TO ANY MAINS, WATER MAINS, ETC. - THE CONTRACTOR OTHER PERSON(S), OTHER THAN THE CLIENT INTENDED FOR AS INDICATED IN THE TITLE SHALL BE RESPONSIBLE & CONFIRM THAT THESE BLOCK ON THESE DRAWINGS. IN THE EVENT OF ANY USE OF THESE FILES, INCLUDING SERVICES ARE ABANDONED. INCLUDING LIAISING DISTRIBUTION, MODIFICATION, ENHANCEMENT OR FOR ADDITIONAL DESIGN WORK, CRE WITH THE RELEVANT AUTHORITY PRIOR TO ASSUMES NO RESPONSIBILITY FOR THE ACCURACY AND INTEGRITY OF THE DATA. COMMENCING CONSTRUCTION. CLIENT: DESIGNED : CRE DATE : AUG 2023 CRE. MAROONDAH CHECKED DATE : CRE CONSULTING ENGINEERS PTY LTD SURVEYED: MOONLAND | DATE : AUG 2023 llaroondah Civil•Municipal•Drainage•Project Management Ctty Council SURVEY DATUM : ARBITRARY 704 Mount Alexander Road, Moonee Ponds, Vic, 3039

SCALES : AS SHOWN

@A1

Phone: 0417 318 556

DATE

Email: admin@creconsulting.com.au

DRAWING INDEX

FACE SHEET: - LOCALITY PLAN, GENERAL NOTES & DRAWING INDEX

DETAIL PLAN

DESIGN CONTOUR PLAN

SETOUT PLAN

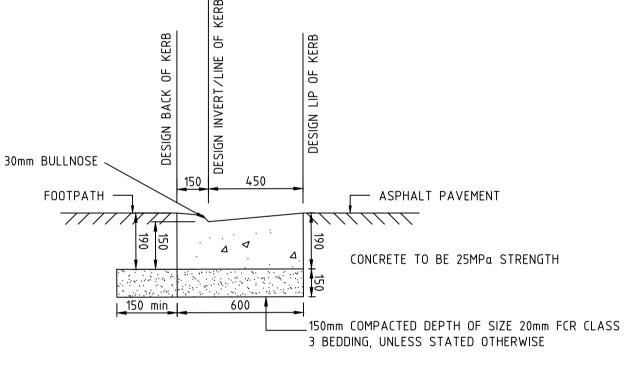
KERB TYPE PLAN

REFERENCE LINE LONGITUDINAL SECTION

REFERENCE LINE CROSS SECTIONS

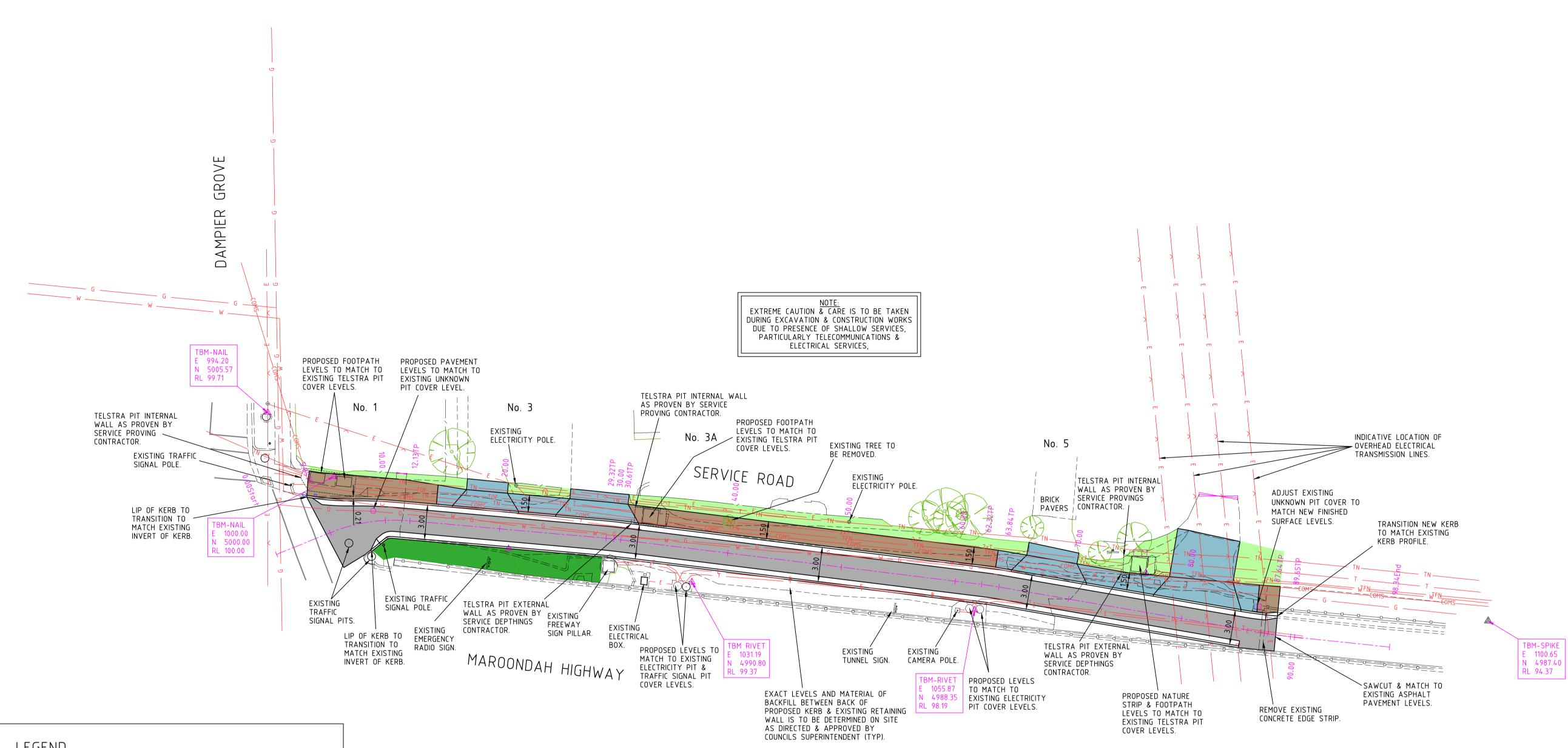
BACK OF PATH LONGITUDINAL SECTION

LINEMARKING & SIGNAGE PLAN



MODIFIED B2 40mm HIGH KERB & CHANNEL

	CRE REF: 3044-(REV-P7).DWG	
HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7	
ROAD RECONSTRUCTION	AMEND. NO.: –	
FACE SHEET	DWG.NO. 3044	
	SHEET: 1 OF 11 SIZE: A1	



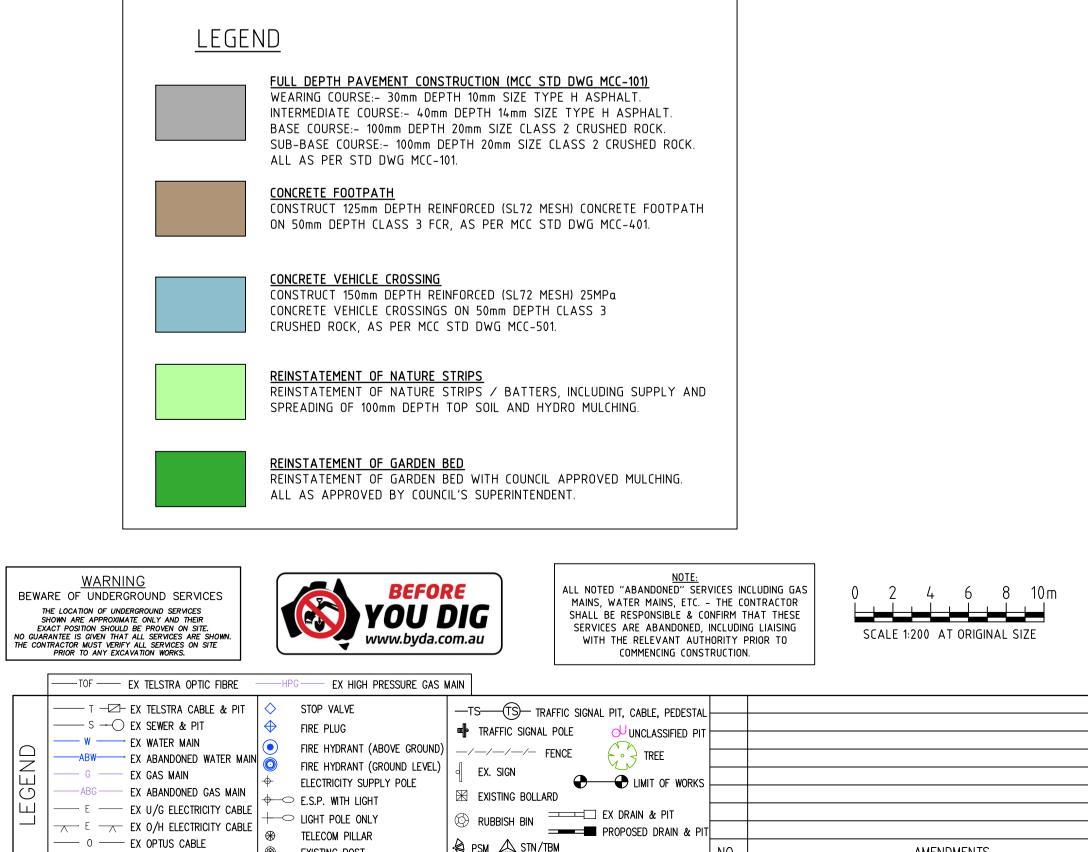


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AMENDMENTS

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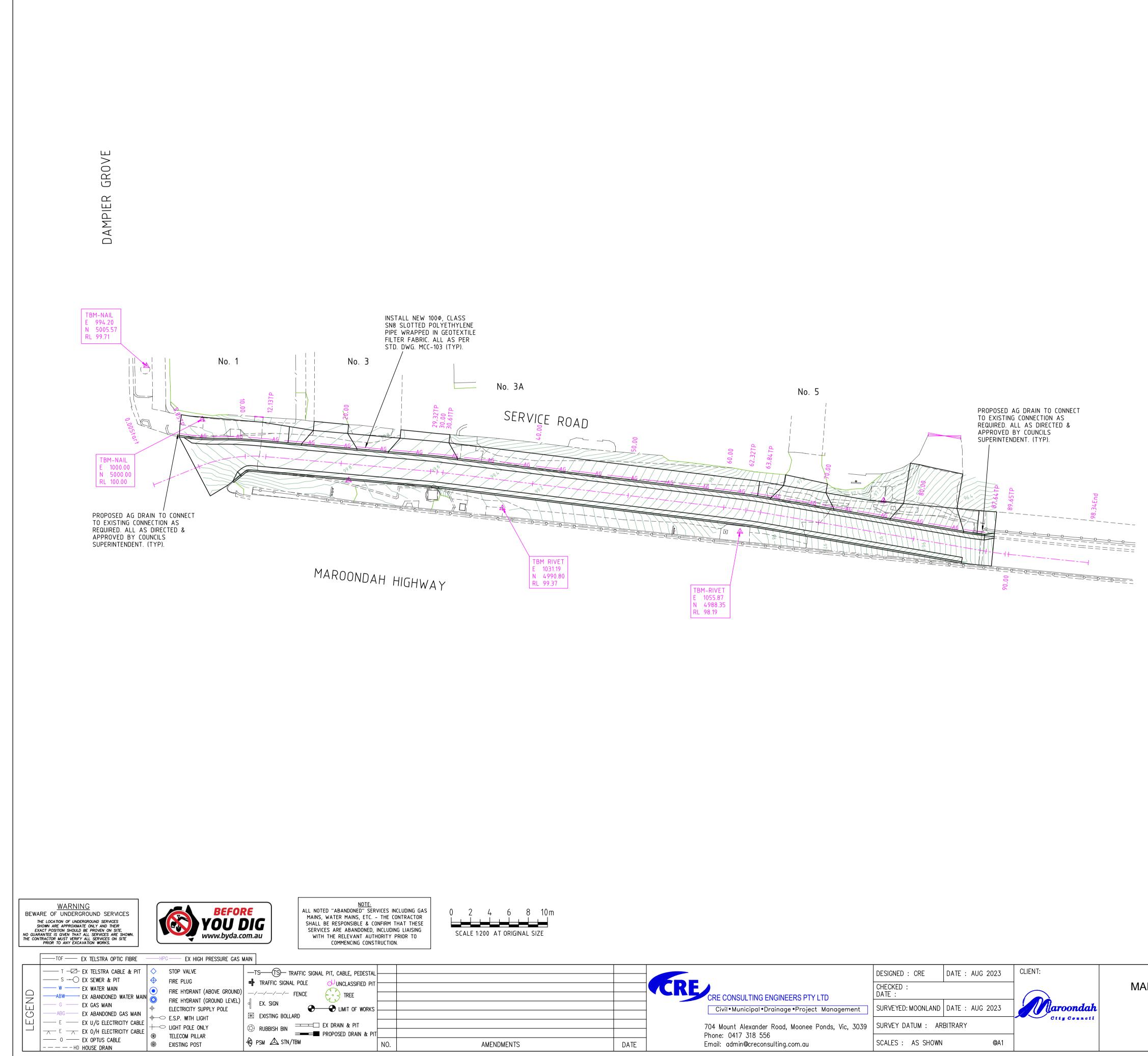
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EXISTING POST

		DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH
		SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	F
		SURVEY DATUM : ARI	BITRARY	Criy Council	
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1		



	CRE REF: 3044-(REV-P7).DWG		
H HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7		
ROAD RECONSTRUCTION	AMEND. NO.: -		
DETAIL PLAN	dwg.no. 3044		
	SHEET: 2 OF 11 S	SIZE: A1	

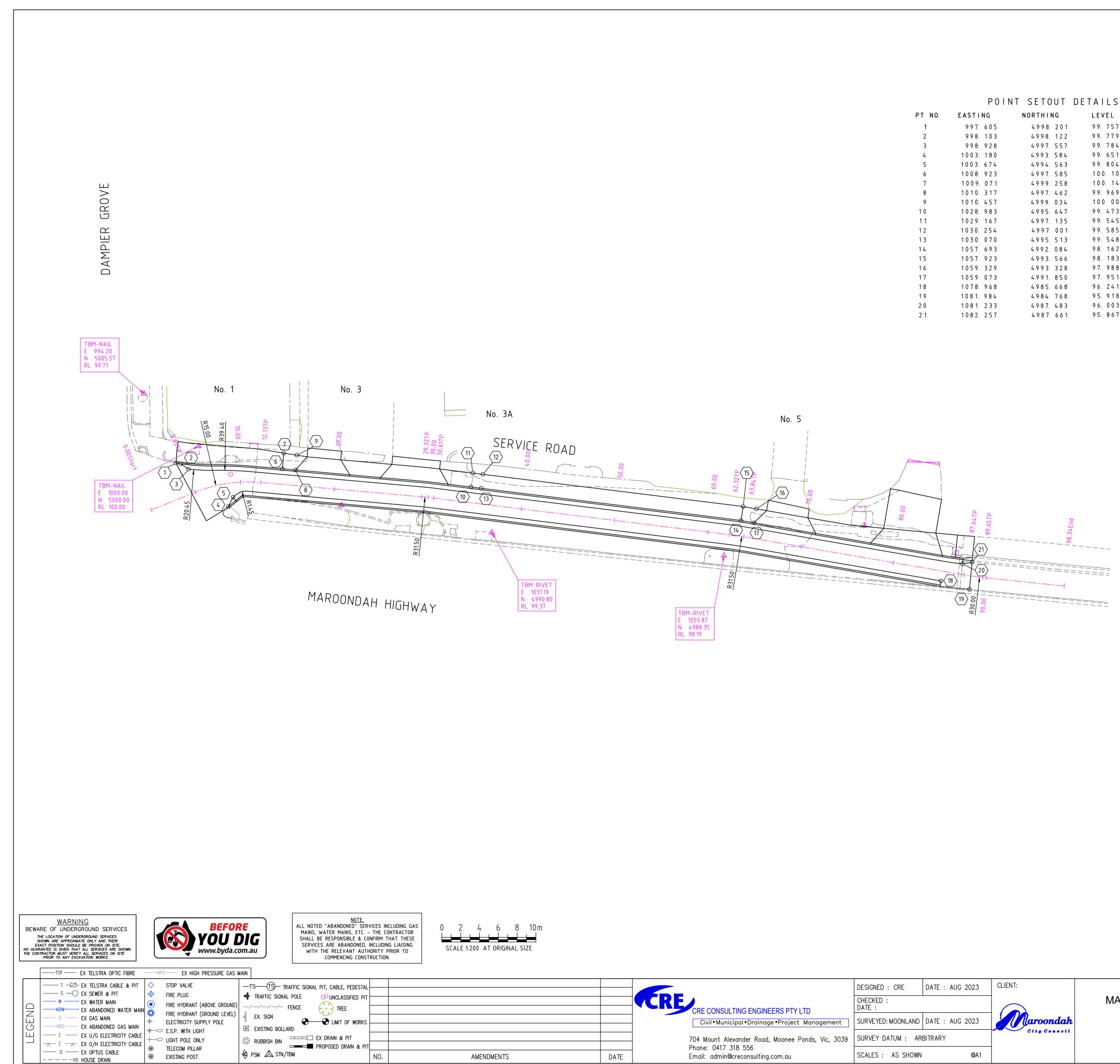


		DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH
	Civil • Municipal • Drainage • Project Management	SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	
	704 Mount Alexander Road, Moonee Ponds, Vic, 3039	SURVEY DATUM : AR	BITRARY	City Council	
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1		

	CRE REF: 3044–(REV	'-P7).DWG
H HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7	
ROAD RECONSTRUCTION	AMEND. NO.: -	
DESIGN CONTOUR PLAN	dwg.no. 3044	
	SHEET: 3 OF 11	SIZE: A1







	POII	NT SETOUT	DETAILS	
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1	997.605	4998.201	99.757	INVERT/
2	998.103	4998.122	99.779	INVERT/
3	998.928	4997.557	99.784	LIP OF
4	1003.180	4993.584	99.651	I N V E R T 🖊
5	1003.674	4994.563	99.804	LIP OF
6	1008.923	4997.585	100.102	FRONT O
7	1009.071	4999.258	100.141	BACK OF
8	1010.317	4997.462	99.969	FRONT O
9	1010.457	4999.034	100.008	BACK OF
10	1028.983	4995.647	99.473	FRONT O
1 1	1029.167	4997.135	99.545	BACK OF
12	1030.254	4997.001	99.585	BACK OF
13	1030.070	4995.513	99.548	FRONT O
14	1057.693	4992.084	98.162	FRONT O
15	1057.923	4993.566	98.183	BACK OF
16	1059.329	4993.328	97.988	BACK OF
17	1059.073	4991.850	97.951	FRONT O
18	1078.968	4985.668	96.241	LIP OF
19	1081.984	4984.768	95.918	EDGE OF
20	1081.233	4987.483	96.003	LIP OF
2 1	1082.257	4987.661	95.867	LIP OF

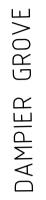
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	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH
	Civil • Municipal • Drainage • Project Management	SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	F
	704 Mount Alexander Road, Moonee Ponds, Vic, 3039	SURVEY DATUM : AR	BITRARY	City Council	
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1		

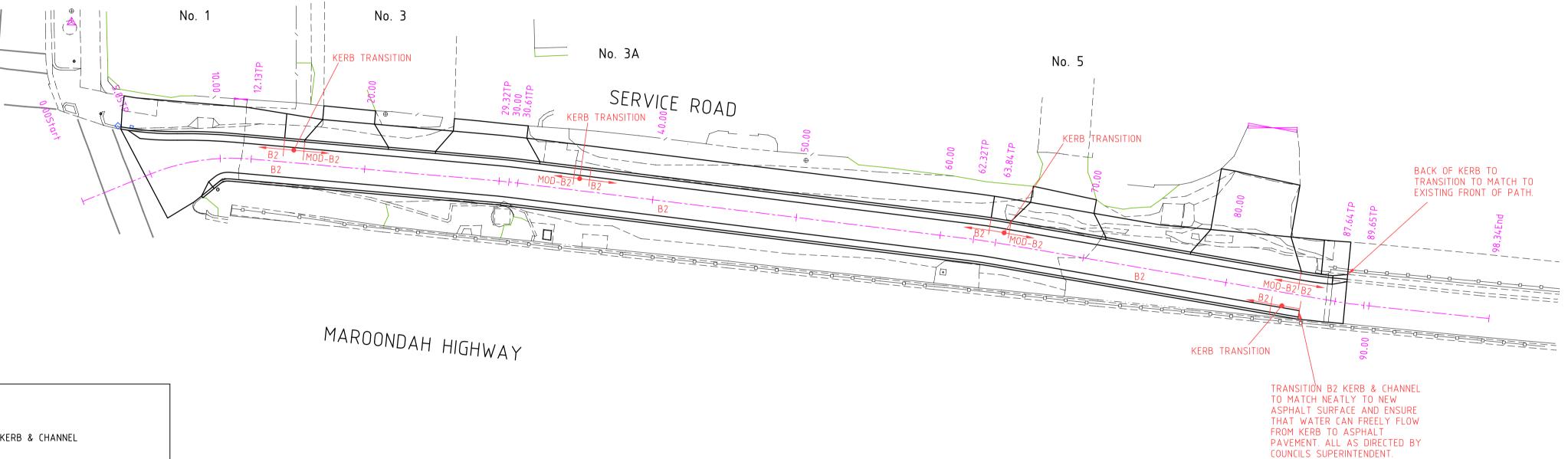
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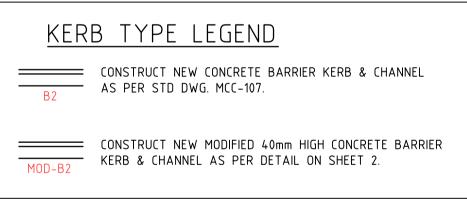
TBM-SPIKE E 1100.65 N 4987.40 RL 94.37

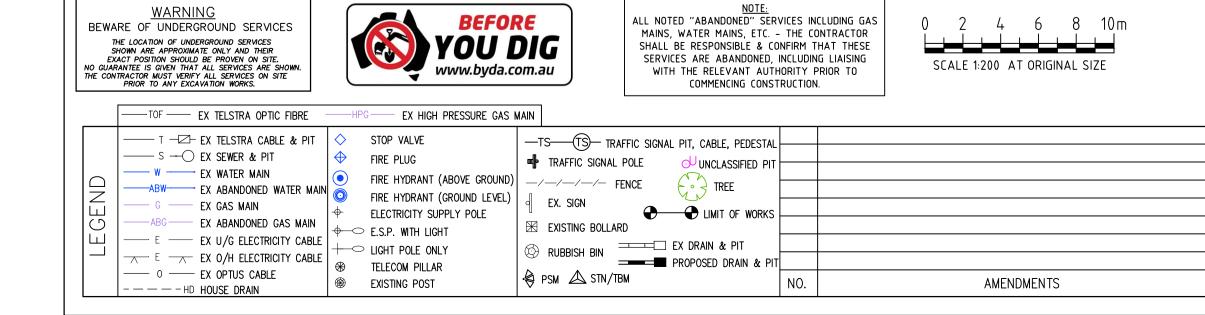


	CRE REF: 3044-(REV-P7).DWG		
H HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7		
ROAD RECONSTRUCTION	AMEND. NO.: -		
SETOUT PLAN	dwg.no. 3044	-	
	SHEET: 4 OF 11	SIZE: A1	









		DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH
	Civil • Municipal • Drainage • Project Management	SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	F
	704 Mount Alexander Road, Moonee Ponds, Vic, 3039	SURVEY DATUM : AR	BITRARY	City Council	
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1		

	CRE REF: 3044-(REV	/-P7).DWG
H HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7	
ROAD RECONSTRUCTION	AMEND. NO.: -	
KERB TYPE PLAN	dwg.no. 3044	-
	SHEET: 5 OF 11	SIZE: A1





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DESIGN RIGHT L.O.K.							00 2 5 1	1 C 0. K K	99.852	99.894	99.942	99.949	99.955	926.66 80.025	99.885	99.884	99.802	99.575	99.532 99.532		99.257	99.210	08 05/,	98.845	98.778	
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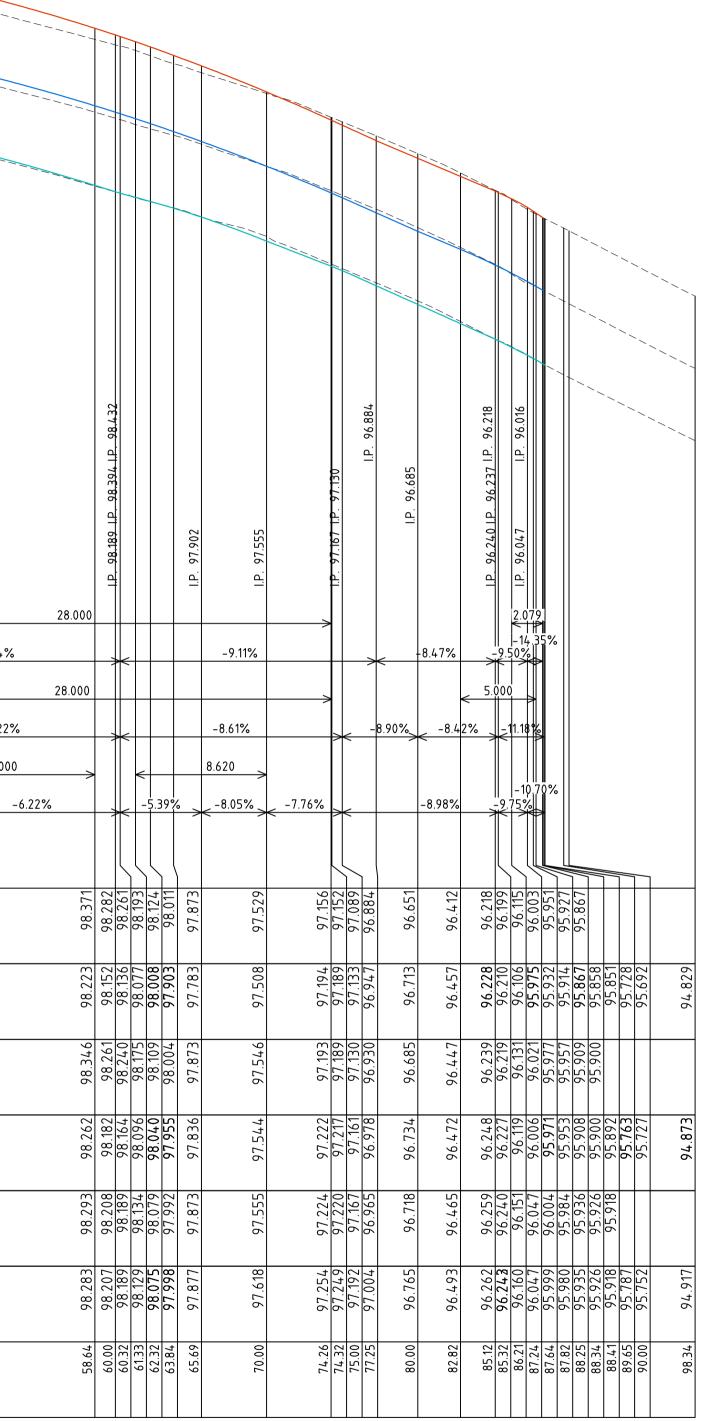
WARNING BEWARE OF UNDERGROUND SERVICES THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.



<u>NOTE:</u>
ALL NOTED "ABANDONED" SERVICES INCLUDING GAS
MAINS, WATER MAINS, ETC. – THE CONTRACTOR
SHALL BE RESPONSIBLE & CONFIRM THAT THESE
SERVICES ARE ABANDONED, INCLUDING LIAISING
WITH THE RELEVANT AUTHORITY PRIOR TO
COMMENCING CONSTRUCTION.

VERTICAL 1:50 @ A1 SIZE	0	0.5	1	1.
HORIZONTAL 1:250 @ A1 SIZE	0	2.5	5	7.

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	──── ⊺ ──Z─ EX TELSTRA CABLE & PIT	STOP VALVE	-TSTS TRAFFIC SIGNAL PIT, CABLE, PEDESTAL	
	s ex sewer & pit	FIRE PLUG	TRAFFIC SIGNAL POLE	
	W EX WATER MAIN	FIRE HYDRANT (ABOVE GROUND)		
	ABW EX ABANDONED WATER MAIN	FIRE HYDRANT (GROUND LEVEL)		
	G C EX GAS MAIN	+ ELECTRICITY SUPPLY POLE	d EX. SIGN	
0	ABG EX ABANDONED GAS MAIN	← E.S.P. WITH LIGHT	EXISTING BOLLARD	
	E E E EX U/G ELECTRICITY CABLE		🗇 RURRIAN RIN 💻 🔲 EX DRAIN & PIT	
		+	W27 RUBBISH BIN	
	,	↔ TELECOM PILLAR	PROPOSED DRAIN & PIT	
	0 EX OPTUS CABLE 	EXISTING POST	PSM 🛆 STN/TBM	NO. AMENDMENTS



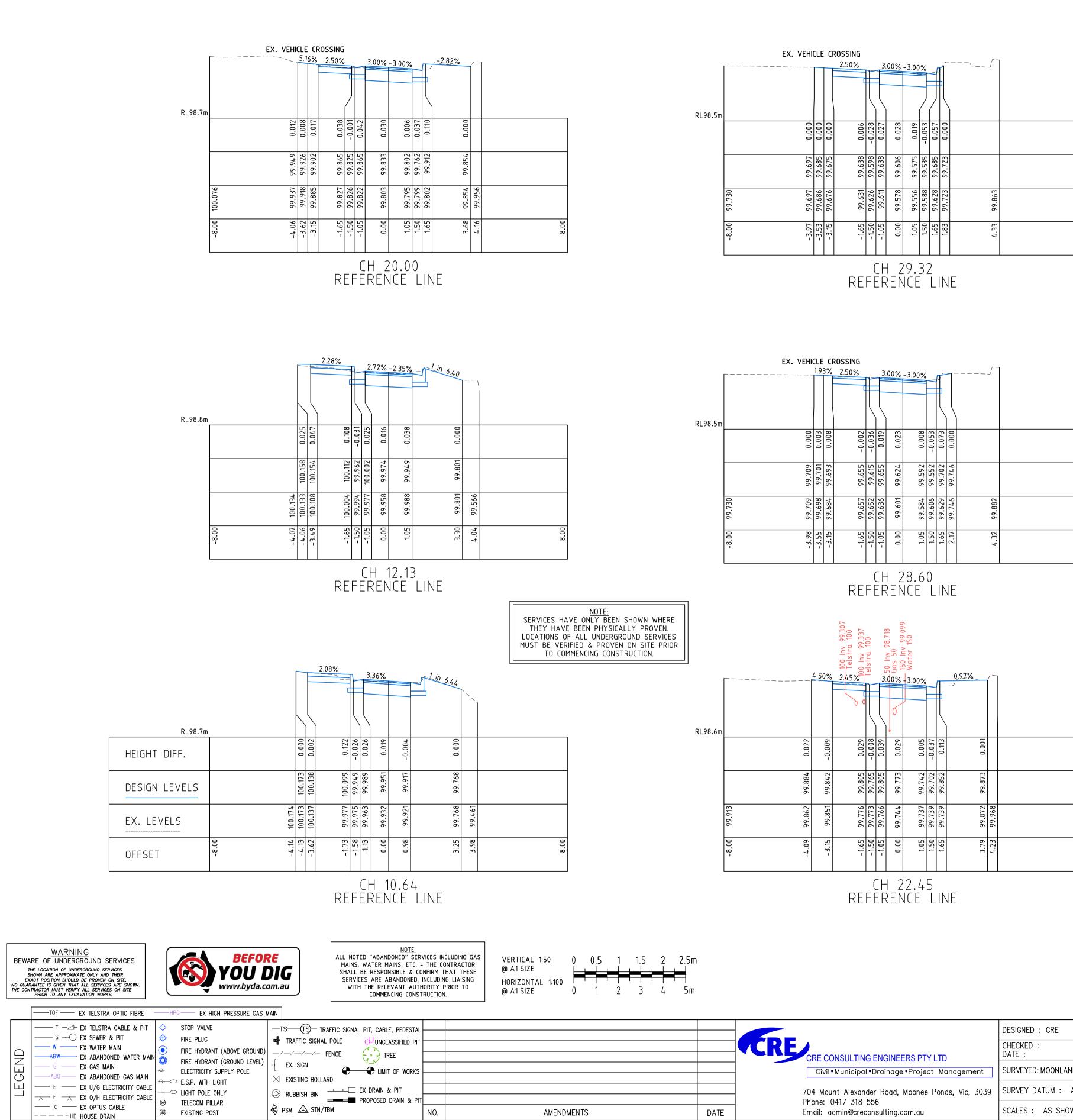
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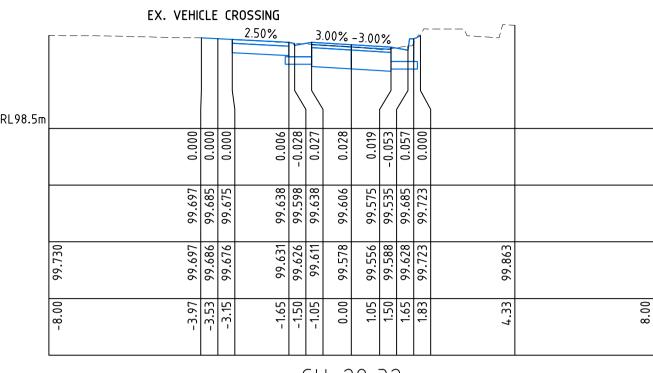
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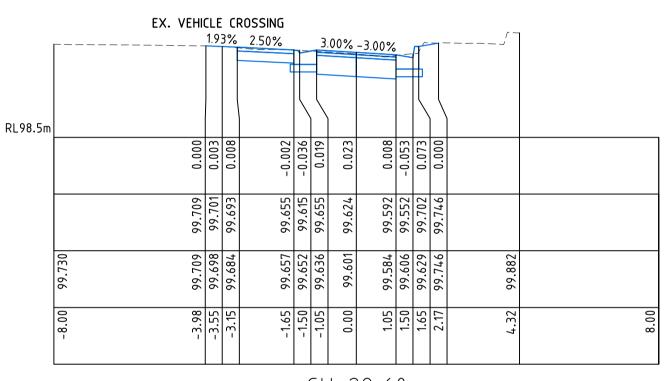
	DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH
Civil • Municipal • Drainage • Project Manage	ement SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	
704 Mount Alexander Road, Moonee Ponds, V	c, 3039 SURVEY DATUM : ARBI	TRARY	City Council	REFER
DATE Phone: 0417 318 556 DATE Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1		

SETOUT	DETAILS REFERE	NCE LINE
CHAINAGE	EASTING	NORTHING
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5.05	999.663	4995.102
10.00	1004.474	4996.171
12.13	1006.606	4996.134
20.00	1014.441	4995.439
29.32	1023.729	4994.615
30.00	1024.401	4994.548
30.61	1025.011	4994.475
40.00	1034.326	4993.324
50.00	1044.250	4992.098
60.00	1054.175	4990.872
62.32	1056.475	4990.588
63.84	1057.983	4990.364
70.00	1064.050	4989.315
80.00	1073.904	4987.610
87.64	1081.434	4986.307
89.65	1083.426	4986.031
98.34	1092.061	4985.127

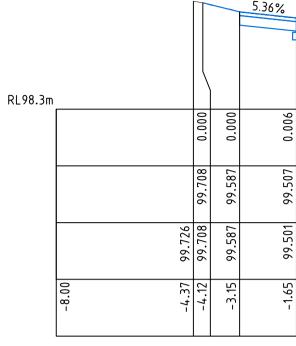
	CRE REF: 3044-(REV-P7).DWG				
DAH HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7				
ROAD RECONSTRUCTION	AMEND. NO.: –				
EFERENCE LINE LONGITUDINAL SECTION	dwg.no. 3044				
	SHEET: 6 OF 11 SIZE: A1				

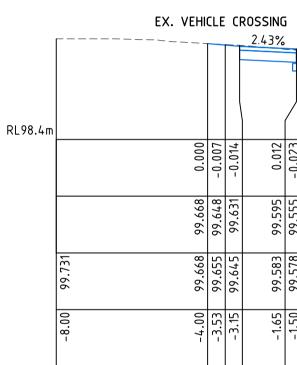




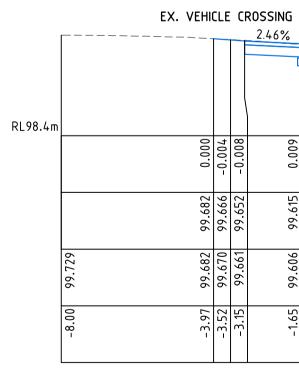








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		Civil • Municipal • Drainage • Project Management	SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	ROAD RI
		704 Mount Alexander Road, Moonee Ponds, Vic, 3039	SURVEY DATUM : AF	RBITRARY	City Council	REFERENCE
DATE		Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOW	N @A1		

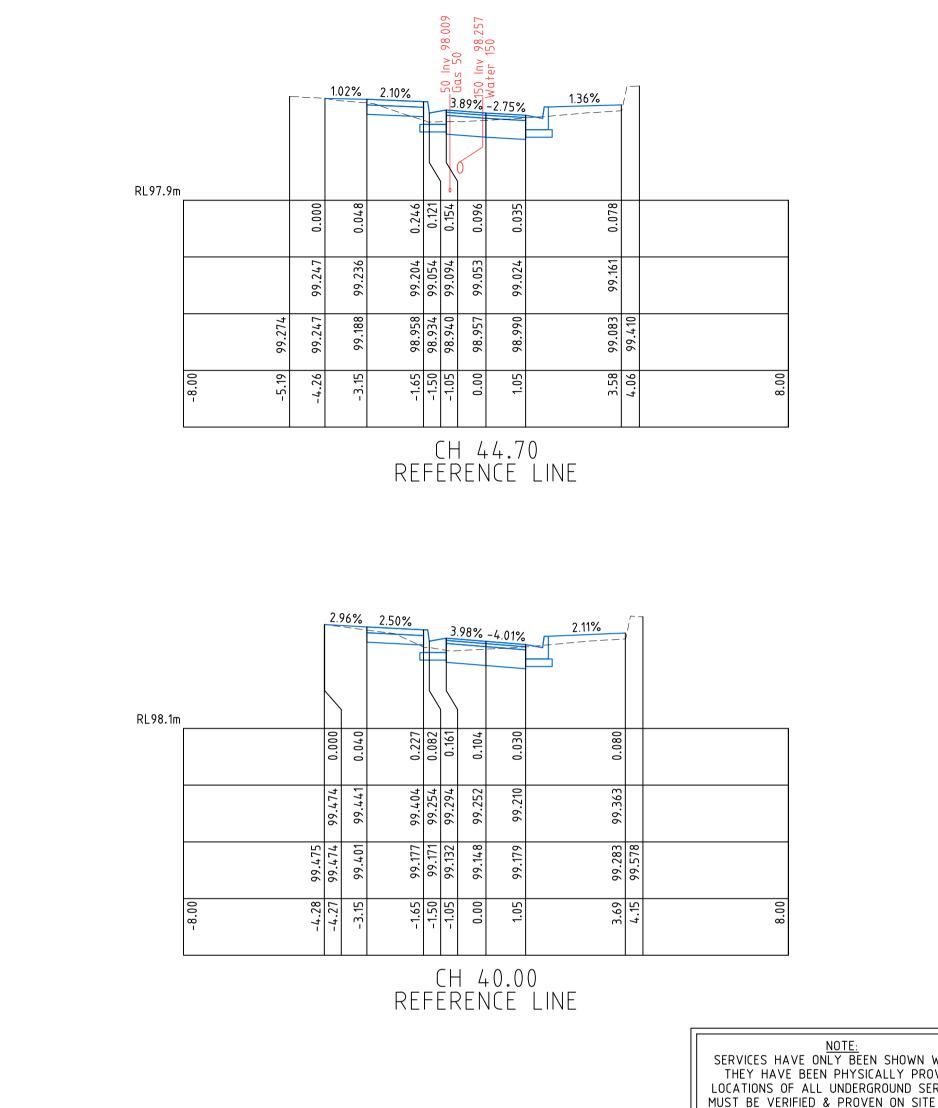
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NAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7			
RECONSTRUCTION	AMEND. NO.: -			
E LINE CROSS SECTIONS	DWG.NO. 3044			
	SHEET: 7 OF 11	SIZE: A1		

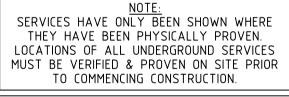
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100.10	99.578	99.563	99.536	99.512	99.662	99.656	99.741	99.837	
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3.30% - 3.26% --1! 0.006 0.030 0.054 0.024 -0.031 0.114 0.000 99.507 99.467 99.507 99.472 99.438 99.398 99.548 99.453 99.501 99.497 99.453 99.428 99.414 99.429 99.434 99.453 -1.65 -1.50 -1.05 1.05 1.50 1.65 2.55 CH 33.36 REFERENCE LINE





AMENDMENTS

RL98.2π		3.0	2%	2.46%		3.	62%	-3.55%	-4.68%	//		
HEIGHT DIFF.		0.000	0.014	0.168	0.029	0.104	0.076	0.024	0.000			
DESIGN LEVELS		99.588	99.555	99.518	99.368	99.408	99.370	99.333	99.385			
EX. LEVELS	99.588	99.588	99.541	99.351	99.339	99.304	99.294	99.308	99.385	69.697		
OFFSET	-8.00	-4.23	-3.15	-1.65	-1.50	-1.05	0.00	1.05	2.90	4.21		 8.00
					(3	6.4	3	1	1	

REFERENCE LINE

NO.

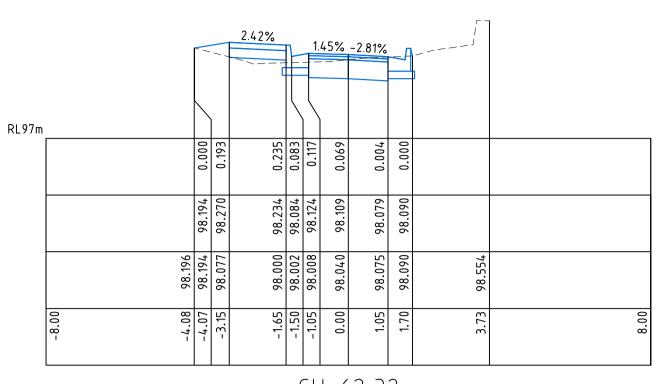
<u>NOTE:</u> ALL NOTED "ABANDONED" SERVICES INCLUDING GAS MAINS, WATER MAINS, ETC. - THE CONTRACTOR WARNING BEWARE OF UNDERGROUND SERVICES BEFORE VERTICAL 1:50 0 0.5 1 1.5 2 2.5m HORIZONTAL 1:100 YOU DIG THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. THE CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS. SHALL BE RESPONSIBLE & CONFIRM THAT THESE SERVICES ARE ABANDONED, INCLUDING LIAISING WITH THE RELEVANT AUTHORITY PRIOR TO www.byda.com.au 0 1 2 3 4 5m @ A1 SIZE COMMENCING CONSTRUCTION. TOF ----- EX TELSTRA OPTIC FIBRE ──── T ──Z─ EX TELSTRA CABLE & PIT 🛛 🔷 STOP VALVE -TS--TS-- TRAFFIC SIGNAL PIT, CABLE, PEDESTAL ──── S ──── EX SEWER & PIT FIRE PLUG ----- W ------ EX WATER MAIN FIRE HYDRANT (ABOVE GROUND) ABW EX ABANDONED WATER MAIN S FIRE HYDRANT (GROUND LEVEL) TREE END • LIMIT OF WORKS ABG EX ABANDONED GAS MAIN ELECTRICITY SUPPLY POLE U 🔀 EXISTING BOLLARD

 Image: Second state of the second s

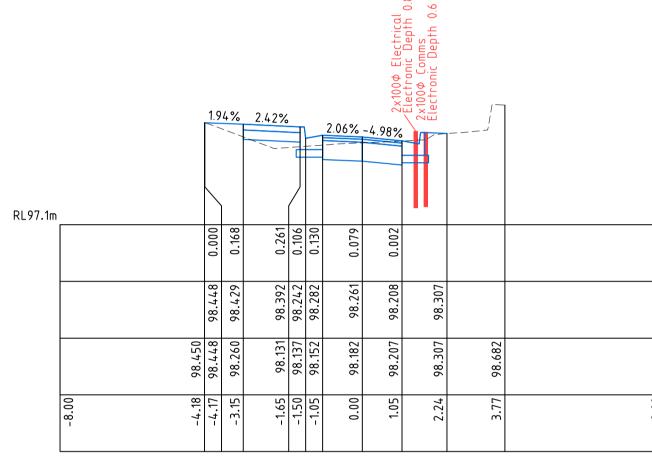
😫 PSM 🛆 STN/TBM

----- o ----- ex optus cable

B EXISTING POST

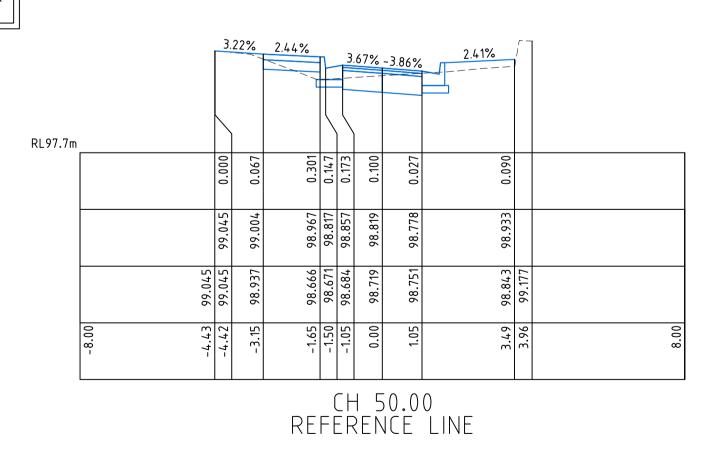


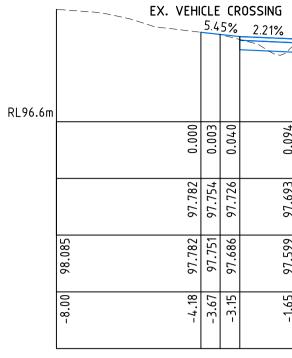


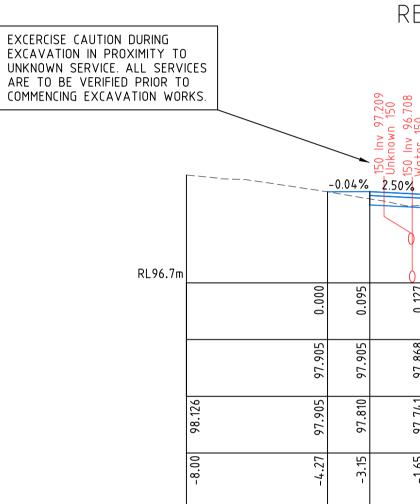


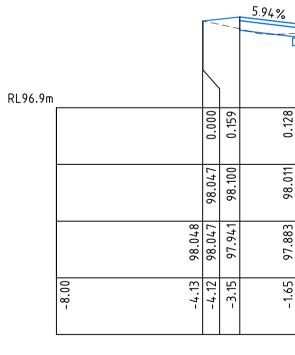












RE



		DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH HIGHWA
	Civil • Municipal • Drainage • Project Management	SURVEYED: MOONLANE	DATE : AUG 2023	Maroondah	ROAD R
	704 Mount Alexander Road, Moonee Ponds, Vic, 3039	SURVEY DATUM : A	RBITRARY	City Council	REFERENCE
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOW	N @A1		

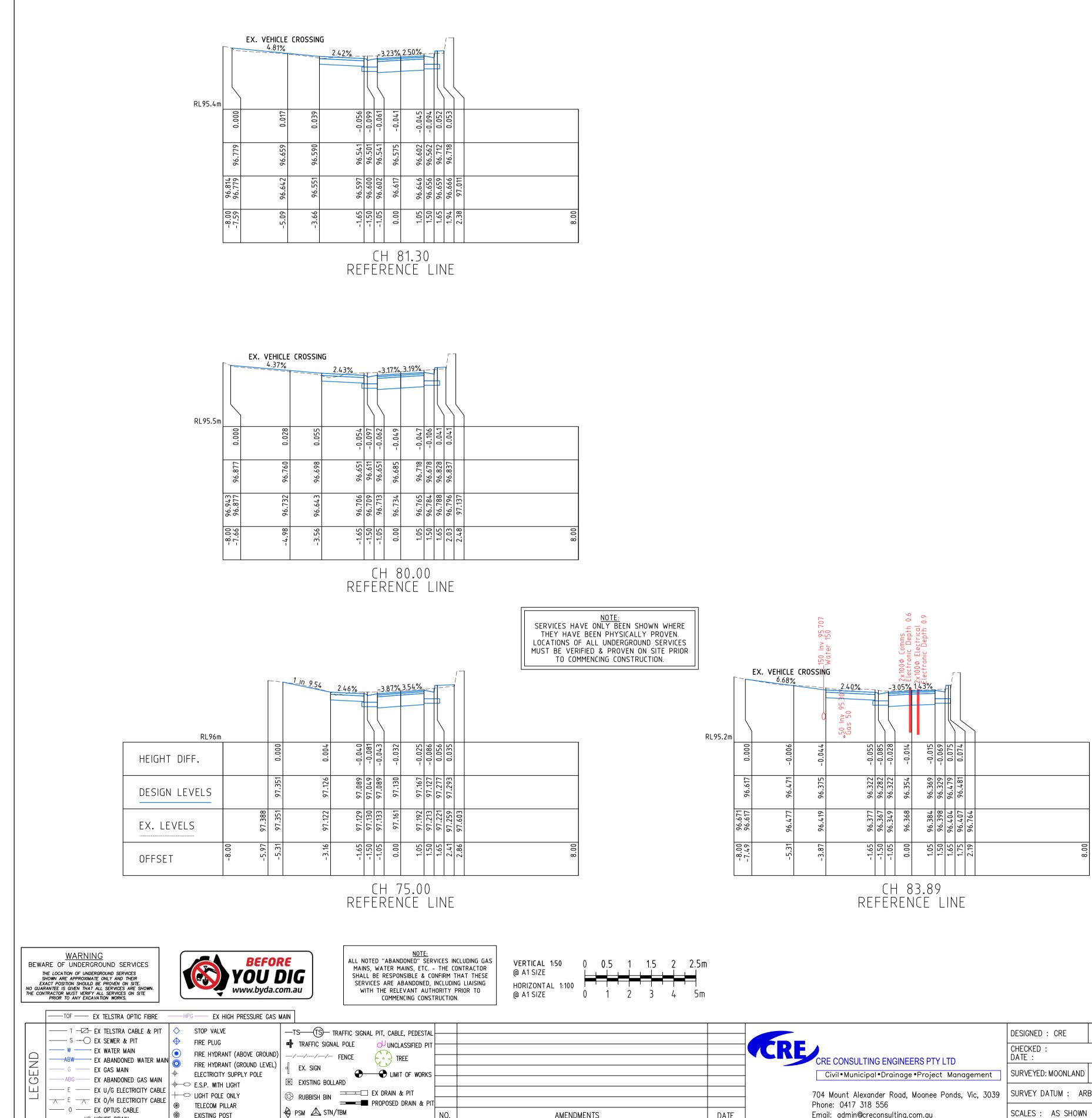
	CRE REF: 3044-(RE)	/-P7).DWG
HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7	
ROAD RECONSTRUCTION	AMEND. NO.: -	
FERENCE LINE CROSS SECTIONS	dwg.no. 3044	-
	SHEET: 8 OF 11	SIZE: A1

6	-	0.	.65%	-1.18%		A -	3.26%	, - 	
[1		
0.128	0.084	0.108	0.050	-0.005	-0.057	0.089	0.000		
98.011	97.971	98.011	98.004	97.992	97.952	98.102	98.154		
97.883	97.887	97.903	97.955	97.998	98.010	98.014	98.154	98.481	
-1.65	-1.50	-1.05	0.00	1.05	1.50	1.65	3.22	3.67	8.00
E	FE		+ 6 Ren	3.8 NCE	4 L		1E		

				1	1				
97.868	97.828	97.868	97.868	97.868	97.828	97.978	98.011		
97.741	97.757	97.778	97.831	97.872	97.898	97.908	98.011	98.357	
-1.65	-1.50	-1.05	00'0	1.05	1.50	1.65	3.08	3.54	8.00
RE	(Fe			5.7 ICE	6 L		1E		

E	(Fe		H 6 Ren	8.0 CE	0 L	IN	١E		
Aater 150				002x100¢ Comms SElectronic Depth 0.6	ZX100¢ Electrical		2.28%		
0.127	0.071	0.090	0.037	-0.004	-0.069	0.070	0.000		
97.868	97.828	97.868	97.868	97.868	97.828	97.978	98.011		
97.741	97.757	97.778	97.831	97.872	97.898	97.908	98.011	98.357	

							259/	1	
<u>_</u>		-0	.80%	0.82 <u>%</u>			.35%	i	
0.094	0.046	0.057	0.022	-0.039	-0.117	0.048	0.000		
97.693	97.653	97.693	97.701	97.710	97.670	97.820	97.837		
992.79	97.607	92.636	97.680	97.749	97.787	97.772	97.837	98.186	
-1.65	-1.50	-1.05	0.00	1.05	1.50	1.65	2.92	3.38	8.00
	(+ 6	58.0	0				



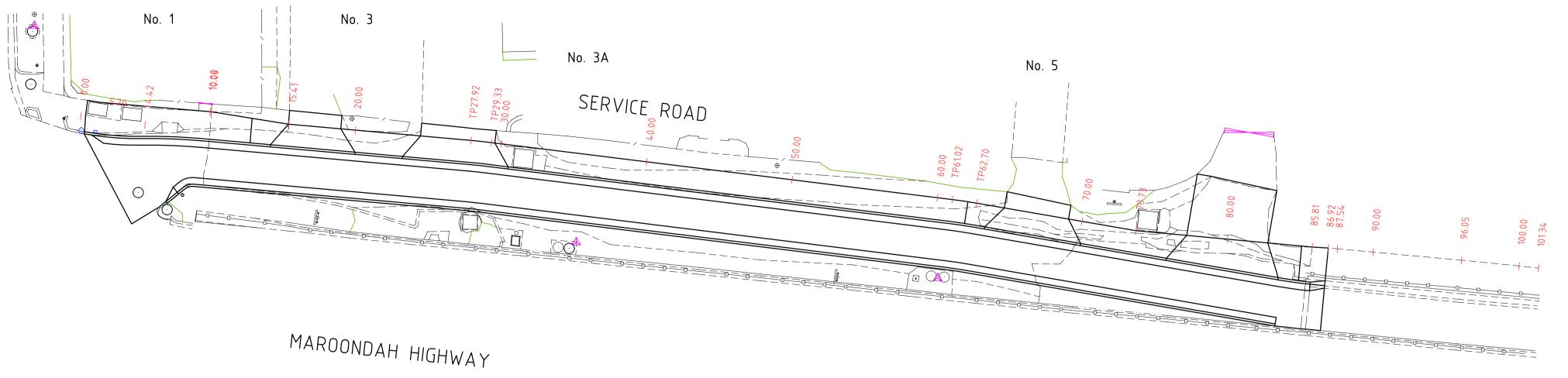
AMENDMENTS

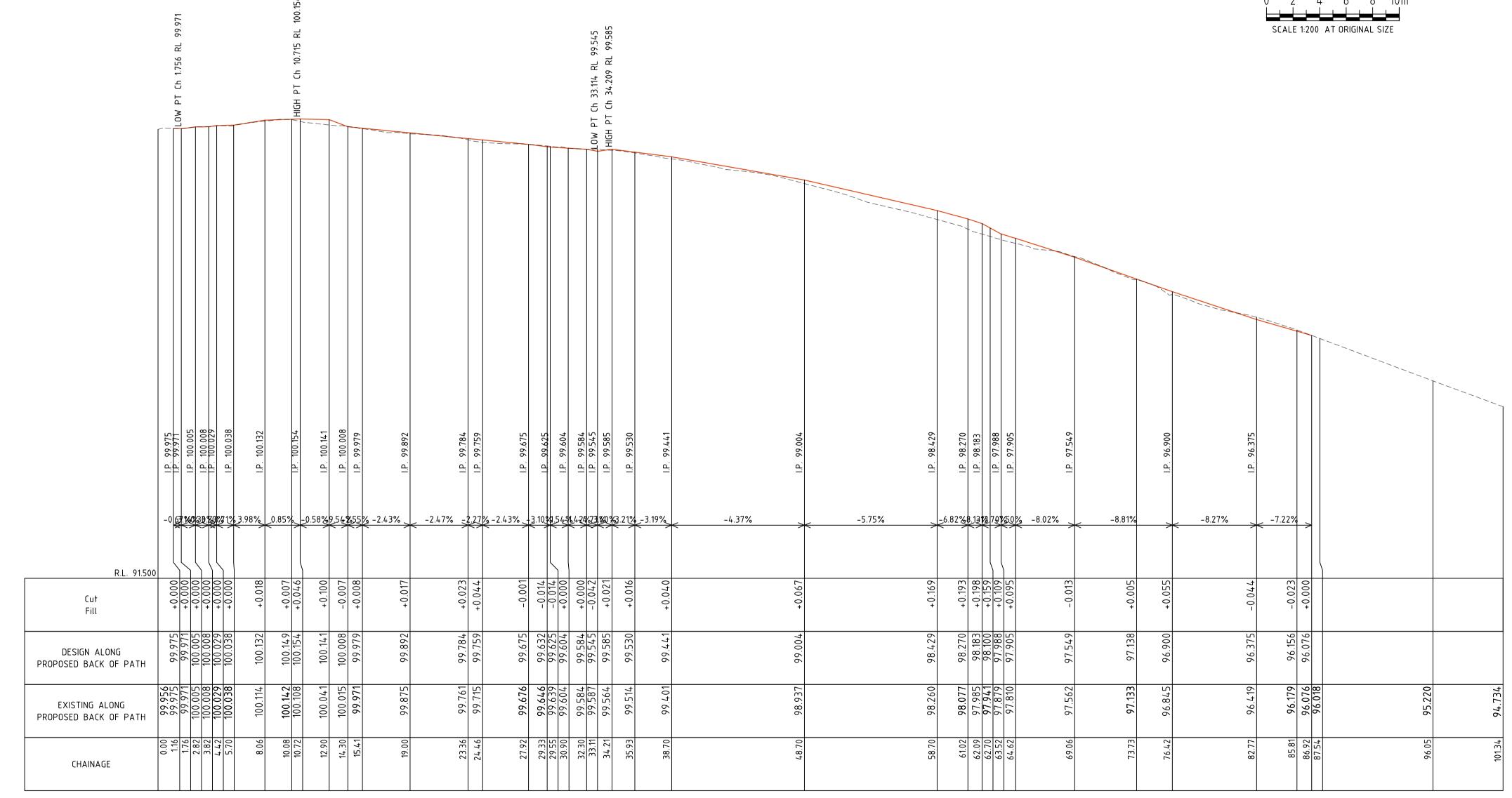
NO.

EXISTING POST

		DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH
		SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	
		SURVEY DATUM : ARI	BITRARY	City Council	REF
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1		

	CRE REF: 3044–(REV	–P7).DWG
OAH HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7	
ROAD RECONSTRUCTION	AMEND. NO.: -	
REFERENCE LINE CROSS SECTIONS	dwg.no. 3044	
	SHEET: 9 OF 11	SIZE: A1



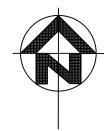


NO	WARNING EWARE OF UNDERGROUND SERVICES THE LOCATION OF UNDERGROUND SERVICES SHOWN ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. GUARANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. CONTRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.	HPC EX HICH PRESSURE GAS M	DIG om.au	<u>NOTE:</u> ALL NOTED "ABANDONED" SER MAINS, WATER MAINS, ETC SHALL BE RESPONSIBLE & CO SERVICES ARE ABANDONED, WITH THE RELEVANT AUTH COMMENCING CONST	THE CONTRACTOR NFIRM THAT THESE INCLUDING LIAISING IORITY PRIOR TO	VERTICAL 1:50 AT ORIGINAL SIZE HORIZONTAL 1:200 AT ORIGINAL SIZE	0 0.5 0 2	1 +	1.5	2 8
	T Image: Constraint of the second	 STOP VALVE FIRE PLUG FIRE HYDRANT (ABOVE GROUND) FIRE HYDRANT (GROUND LEVEL) ELECTRICITY SUPPLY POLE E.S.P. WITH LIGHT LIGHT POLE ONLY 	-TS-TS-TS-TRAI TRAFFIC SIGNAL -/-/-/- FE □ EX. SIGN EX EXISTING BOLLAR C RUBBISH BIN	ENCE TREE TREE D EX DRAIN & PIT PROPOSED DRAIN & PIT	NO.	AMENDME				

2 4 6 8 10m

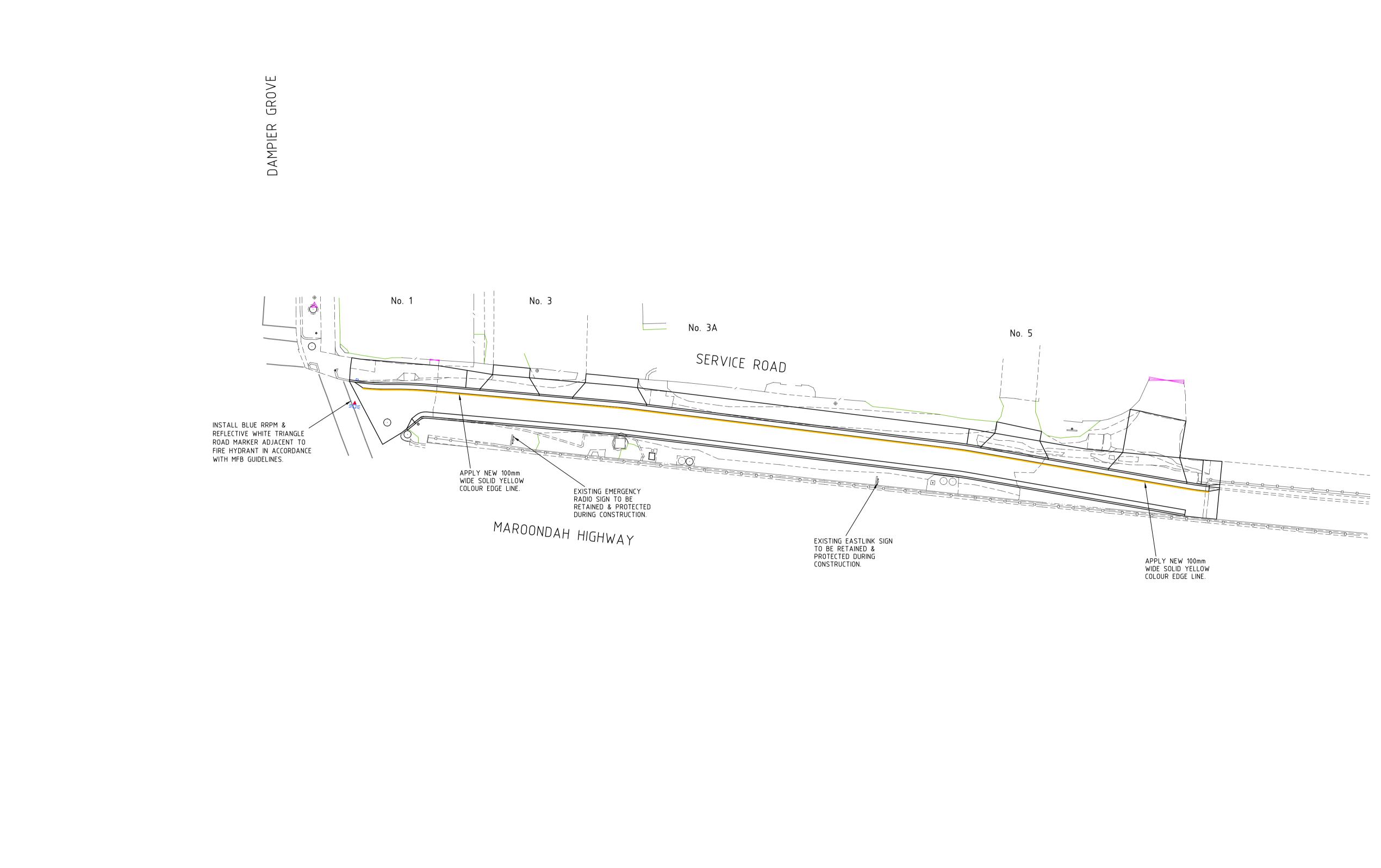
2, 2.5m **→** 8 10m

		DESIGNED :	CRE DATE	E : AUG 2023	CLIENT:	
		ERS PTY LTD CHECKED : DATE :				MAROONDAH
	Civil • Municipal • Drainage		MOONLAND	E : AUG 2023	Maroondah	
	704 Mount Alexander Road, Phone: 0417 318 556	Moonee Ponds, Vic, 3039 SURVEY DA	TUM : ARBITRA	ARY	City Council	BACK
DAT		com.au SCALES :	AS SHOWN	@A1		



SETOUT	DETAILS BACK	OF PATH
CHAINAGE	EASTING	NORTHING
4.42	1001.757	4998.816
5.70	1001.926	5000.085
10.08	1006.287	4999.708
15.41	1011.545	4998.859
27.92	1024.007	4997.753
29.33	1025.407	4997.600
6 1. 0 2	1056.861	4993.714
62.70	1058.520	4993.468
73.73	1069.390	4991.588
85.81	1081.423	4990.476
86.92	1082.527	4990. 393

	CRE REF: 3044-(REV-P7).DWG		
HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7		
ROAD RECONSTRUCTION	AMEND. NO.: -		
K OF PATH LONGITUDINAL SECTION	dwg.no. 3044		
	SHEET: 10 OF 11 SIZE: A1		



T S EX NO GUAF	WARNING RE OF UNDERGROUND SERVICES HE LOCATION OF UNDERGROUND SERVICES HOWN ARE APPROXIMATE ONLY AND THEIR ACT POSITION SHOULD BE PROVEN ON SITE. TANTEE IS GIVEN THAT ALL SERVICES ARE SHOWN. TRACTOR MUST VERIFY ALL SERVICES ON SITE PRIOR TO ANY EXCAVATION WORKS.	BEFOR YOU L www.byda.co	DIG	<u>NOTE:</u> ALL NOTED "ABANDONED" SER\ MAINS, WATER MAINS, ETC SHALL BE RESPONSIBLE & CO SERVICES ARE ABANDONED, I WITH THE RELEVANT AUTH COMMENCING CONST	THE CONTRACTOR NFIRM THAT THESE NCLUDING LIAISING ORITY PRIOR TO	SCALE 1:200 AT ORIGINAL SIZE
LEGEND	T Image: Constraint of the second	ELECTRICITY SUPPLY POLE ELS.P. WITH LIGHT	TS TS TRAI TRAFFIC SIGNAL −/-/-/- FE a EX. SIGN EXISTING BOLLAR			
-	→ E → EX O/H ELECTRICITY CABLE → O → EX OPTUS CABLE → − − − HD HOUSE DRAIN	₽SM ▲ STN/TB	M PROPOSED DRAIN & PIT	NO.	AMENDMENTS	

		DESIGNED : CRE	DATE : AUG 2023	CLIENT:	
	CRE CONSULTING ENGINEERS PTY LTD	CHECKED : DATE :			MAROONDAH I
	Civil • Municipal • Drainage • Project Management	SURVEYED: MOONLAND	DATE : AUG 2023	Maroondah	R
	704 Mount Alexander Road, Moonee Ponds, Vic, 3039	SURVEY DATUM : ARBITRARY		City Council	LINE
DATE	Phone: 0417 318 556 Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1]	



	CRE REF: 3044-(REV-P7).DWG		
H HIGHWAY SERVICE ROAD, RINGWOOD	CRE REV. NO.: P7		
ROAD RECONSTRUCTION	AMEND. NO.: –		
INEMARKING AND SIGNAGE PLAN	dwg.no. 3044		
	SHEET: 11 OF 11 SIZE: A1		