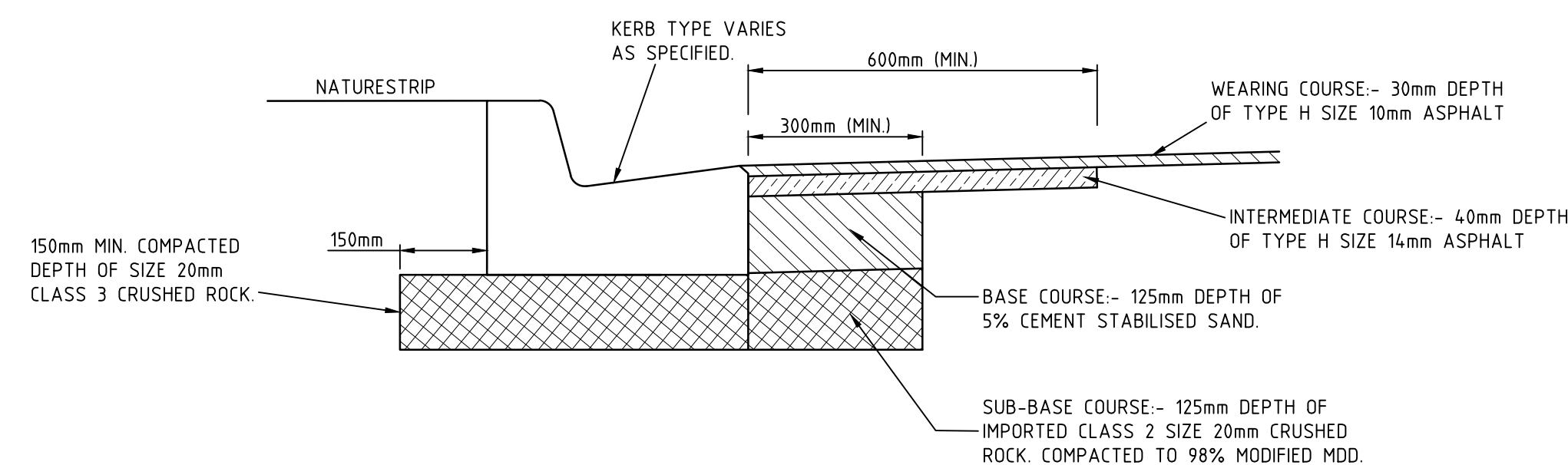




DESIGN BACK OF KERB

150

DESIGN FACE/LINE OF KERB

VARIES

FINISH SURFACE LEVEL

150

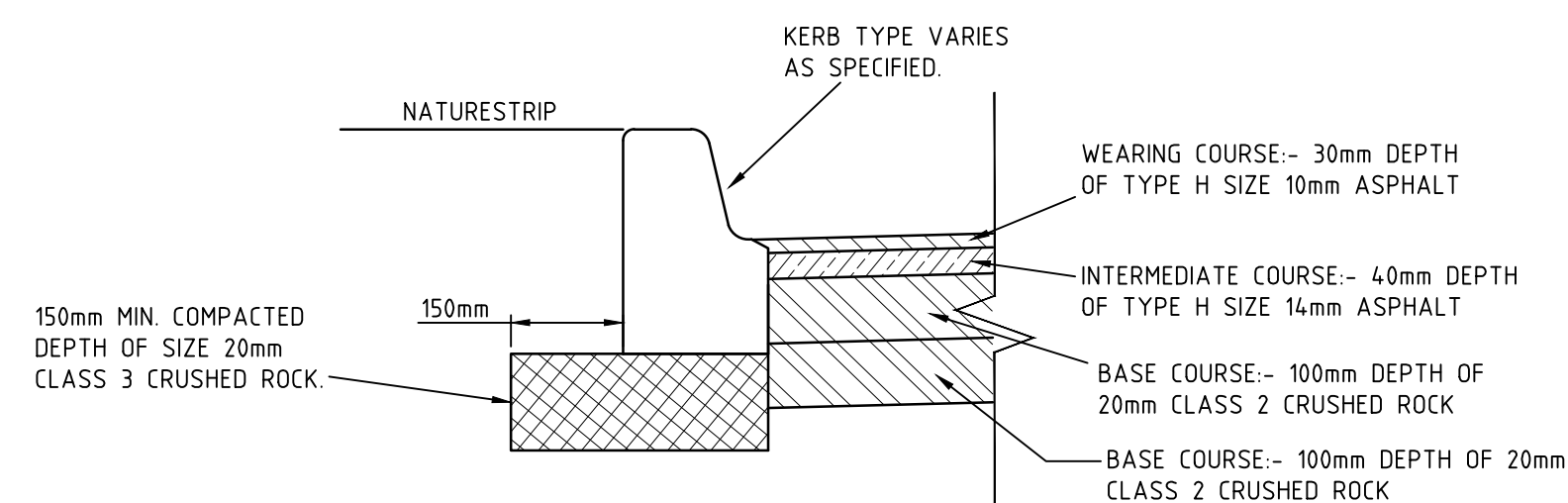
150mm MIN. COMPACTED DEPTH OF SIZE 20mm CLASS 3 CRUSHED ROCK

REFER TO KERB RETURN LONGITUDINAL SECTIONS FOR DESIGN LEVELS.

MULLUM MULLUM ROAD

No. 96

No. 98



INSTALL TGSi's WHERE SHOWN ON PLAN TACTILE
GROUND SURFACE INDICATORS TO BE FIBRE
REINFORCED HERCULET POLYMER, CHEMICALLY AND
MECHANICALLY FIXED AT 8 POINTS WITH
TECK-ANCHOR SCREWS & PLUGS, WHITE IN
COLOUR WITH A MINIMUM SLIP RESISTANCE OF P5
OR R12 AS PER AS/NZS 1428.4.1 (2009) AND
SUPPLIED BY ESP ACCESS TACTILE SYSTEMS: Tel:
1300 665 761 OR COUNCIL APPROVED EQUIVALENT.

INSTALL TGSi's WHERE SHOWN ON PLAN TACTILE GROUND SURFACE INDICATORS TO BE FIBRE REINFORCED HERCULET POLYMER, CHEMICALLY AND MECHANICALLY FIXED AT 8 POINTS WITH TECK-ANCHOR SCREWS & PLUGS, WHITE IN COLOUR WITH A MINIMUM SLIP RESISTANCE OF P5 OR R12 AS PER AS/NZS 1428.4.1 (2009) AND SUPPLIED BY ESP ACCESS TACTILE SYSTEMS: Tel: 1300 665 761 OR COUNCIL APPROVED EQUIVALENT.

EITHER CONSTRUCT CONCRETE
FOOTPATH AS PER MCC STD
DWG MCC-401 OR REINSTATE
EXISTING NATURE STRIP. \

CONSTRUCT VARYING DEPTH SIZE 10mm TYPE H
ASPHALT RAISED PAVEMENT. REFER TO GRADING
DESIGN INCLUDING LONGITUDINAL/CROSS
SECTIONS, SETOUT DETAILS ETC. PROVIDED ON
THESE PLANS FOR FURTHER LEVEL DETAILS.

EITHER CONSTRUCT CONCRETE
FOOTPATH AS PER MCC STD
DWG MCC-401 OR REINSTATE
EXISTING NATURE STRIP.

BREAK OUT AND REMOVE EXISTING
KERB AND CHANNEL AND CONSTRUCT
NEW CONCRETE 'MODIFIED' BARRIER KERB
AS PER DETAIL SHOWN ON THIS PAGE.

NEW CONCRETE 'MODIFIED' BARRIER KERB
AS PER DETAIL SHOWN ON THIS PAGE.

ROAD PAVEMENT

DESIGN LIP OF KERB

450

DESIGN INVERT OF KERB

300

DESIGN BACK OF KERB

PARKING BAY PAVEMENT

40

150

150mm MIN. COMPACTED DEPTH OF SIZE 20mm CLASS 3 CRUSHED ROCK.

CONSTRUCT VARYING DEPTH SIZE 10mm TYPE H ASPHALT RAISED PAVEMENT. REFER TO GRADING DESIGN INCLUDING LONGITUDINAL/CROSS SECTIONS, SETOUT DETAILS ETC. PROVIDED ON THESE PLANS FOR FURTHER LEVEL DETAILS.

ROAD PAVEMENT (MULLUM MULLUM ROAD)

1.0m

2.0m

6.0m

2.0m

1.0m

VARES

ROAD PAVEMENT (MULLUM MULLUM ROAD)

PROFILE MIN. 30mm DEPTH OF EXISTING ASPHALT 1000mm WIDTH TO PROVIDE A KEY IN JOINT TO NEATLY MATCH EXISTING PAVEMENT LEVELS.

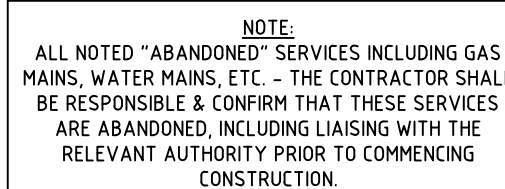
SECTION B-B - RAISED PAVEMENT

NOT TO SCALE

PROFILE MIN. 30mm DEPTH OF EXISTING ASPHALT 1000mm WIDTH TO PROVIDE A KEY IN JOINT TO NEATLY MATCH EXISTING PAVEMENT LEVELS.

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LEGEND	
— TOP —	EX TELSTRA OPTIC FIBRE
— HPG —	EX HIGH PRESSURE GAS MAIN
T —	EX TELSTRA CABLE & PIT
S —	EX SEWER & PIT
W —	EX WATER MAIN
AW —	EX ABANDONED WATER MAIN
G —	EX GAS MAIN
ABG —	EX ABANDONED GAS MAIN
E —	EX 0/6 ELECTRICITY CABLE
U —	EX 0/4 ELECTRICITY CABLE
D —	EX 0/25 DS/IM
— HP —	EX HPV DS/IM
⊕	STOP VALVE
⊕	FIRE PLUG
⊕	FIRE HYDRANT (ABOVE GROUND)
⊕	FIRE HYDRANT (GROUND LEVEL)
⊕	ELECTRICITY SUPPLY POLE
⊕	E.S.P. WITH LIGHT
⊕	LIGHT POLE ONLY
⊕	TELECOM PILLAR
⊕	EXISTING POST
— TS —	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
+	TRAFFIC SIGNAL POLE
— / — / —	FENCE
⊕	EX SIGN
⊕	EXISTING BOLLARD
⊕	RUBBISH BIN
⊕	PSM
⊕	STN/TBM
⊕	UNCLASSIFIED PIT
⊕	TREE
⊕	LIMIT OF WORKS
⊕	EX DRAIN & PIT
⊕	PROPOSED DRAIN & PIT

NO.	AMENDMENTS	DATE



Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	©A1

CLIENT:



MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
TYPICAL SECTIONS & DETAILS

TENDER ISSUE

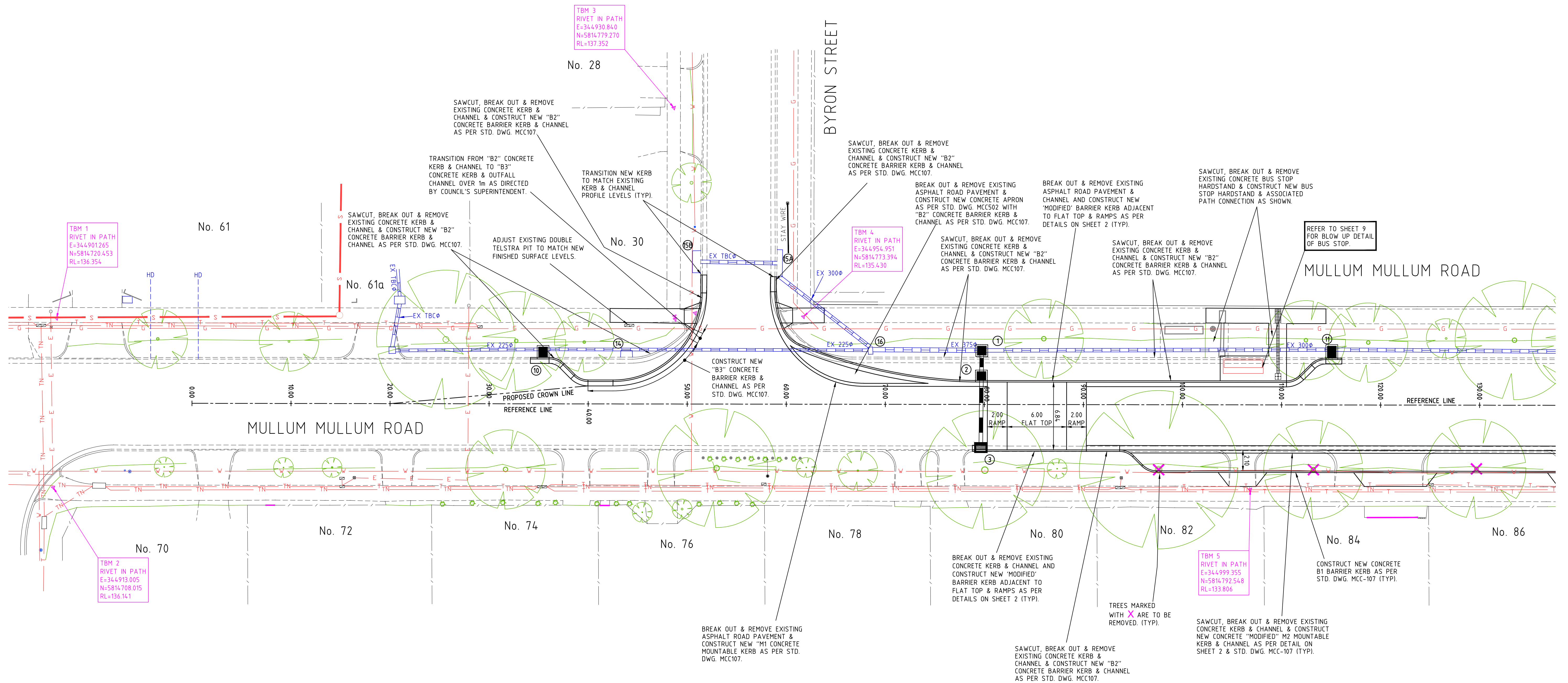
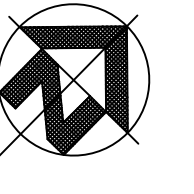
CRE REF: 3256-(REV-P9).DWG

CRE REV. NO.: P9

AMEND. NO.: -

DWG.NO. 3256

SHEET: 2 OF 36 SIZE: A1



UNDERGROUND SERVICES
PROVINGS INFORMATION SHOWN
WERE UNDERTAKEN BY
"ACCESS UTILITY ENGINEERING"

WARNING
BEWARE OF UNDERGROUND SERVICES
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SHOWN ARE APPROXIMATE ONLY AND THEIR
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NOTE:
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ARE ABANDONED, INCLUDING LIAISING WITH THE
RELEVANT AUTHORITY PRIOR TO COMMENCING
CONSTRUCTION.



LEGEND	—TOP—	—HPG—	—EX TELSTRA OPTIC FIBRE	—EX HIGH PRESSURE GAS MAIN
	—T— EX TELSTRA CABLE & PIT —S— EX SEWER & PIT —W— EX WATER MAIN —ABW— EX ABANDONED WATER MAIN —G— EX GAS MAIN —ABG— EX ABANDONED GAS MAIN —E— EX U/G ELECTRICITY CABLE —E— EX O/H ELECTRICITY CABLE —O— EX OPTUS CABLE —HD— EX HOUSE DRAIN	—STOP VALVE —FIRE PLUG —FIRE HYDRANT (ABOVE GROUND) —FIRE HYDRANT (GROUND LEVEL) —ELECTRICITY SUPPLY POLE —E.S.P. WITH LIGHT —LIGHT POLE ONLY —TELECOM PILLAR —EXISTING POST	—TS— TS— TRAFFIC SIGNAL PIT, CABLE, PEDESTAL —TRAFFIC SIGNAL POLE —EX. SIGN —EXISTING BOLLARD —RUBBISH BIN —PSM —STN/TBM	—C— UNCLASSIFIED PIT —TREE —LIMIT OF WORKS —EX DRAIN & PIT —PROPOSED DRAIN & PIT
			NO.	AMENDMENTS
				DATE

CRE
CRE CONSULTING ENGINEERS PTY LTD
Civil • Municipal • Drainage • Project Management
Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
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Email: admin@creconsulting.com.au

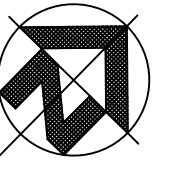
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CHECKED :
DATE :
SURVEYED : BN
DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.
SCALES : AS SHOWN @A1



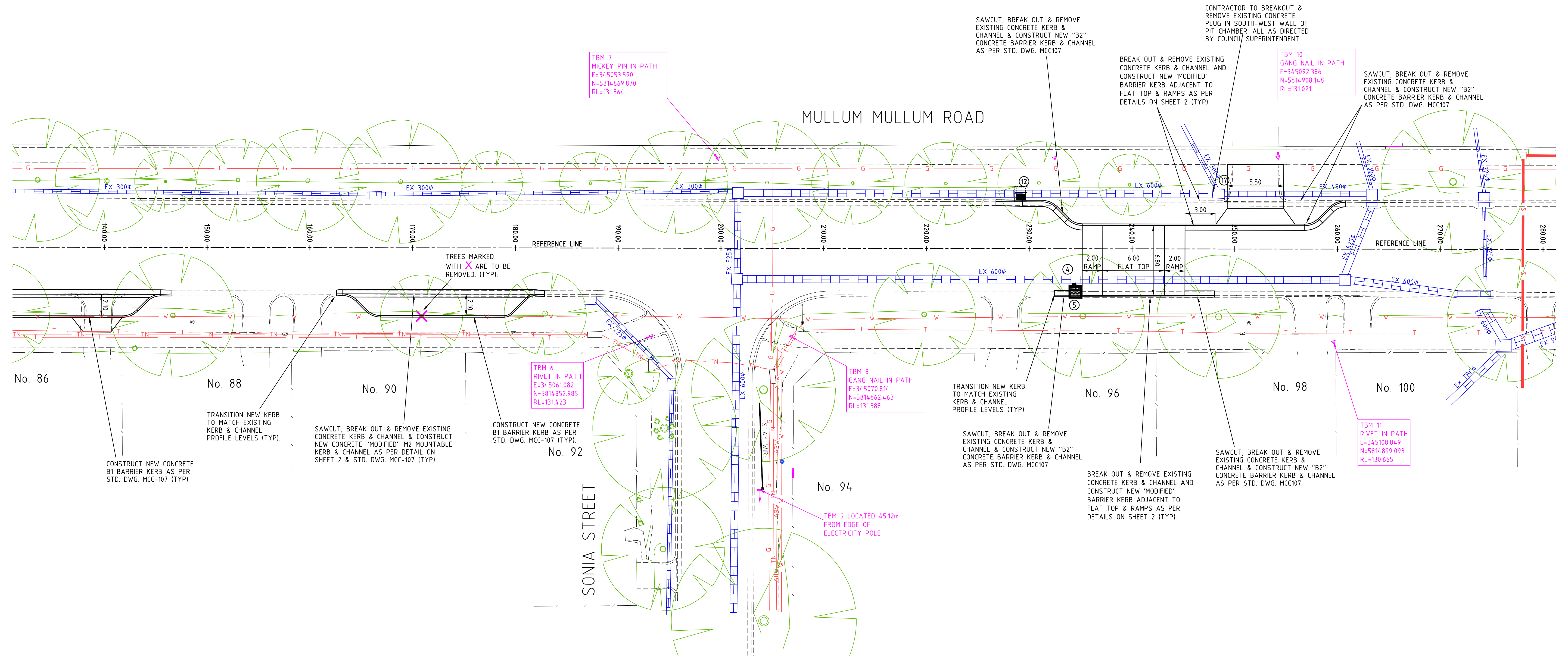
MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
DETAIL PLAN

TENDER ISSUE

CRE REF: 3256-(REV-P9).DWG
CRE REV. NO.: P9
AMEND. NO.: —
DWG. NO. **3256**
SHEET: 3 OF 36
SIZE: A1



NORWOOD SECONDARY COLLEGE

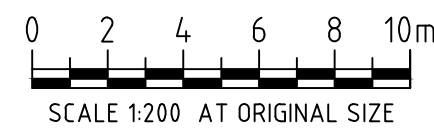


UNDERGROUND SERVICES:
PROVINGS INFORMATION SHOWN
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"ACCESS UTILITY ENGINEERING"

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RELEVANT AUTHORITY PRIOR TO COMMENCING
CONSTRUCTION.



LEGEND	EX TELSTRA OPTIC FIBRE		EX HIGH PRESSURE GAS MAIN	
	EX TELSTRA CABLE & PIT	STOP VALVE	EX TELSTRA CABLE & PIT	STOP VALVE
T	EX TELSTRA CABLE & PIT	STOP VALVE	T	EX TELSTRA CABLE & PIT
S	EX SEWER & PIT	FIRE PLUG	S	EX SEWER & PIT
W	EX WATER MAIN	FIRE HYDRANT (ABOVE GROUND)	W	EX WATER MAIN
ABW	EX ABANDONED WATER MAIN	FIRE HYDRANT (GROUND LEVEL)	ABW	EX ABANDONED WATER MAIN
G	EX GAS MAIN	ELECTRICITY SUPPLY POLE	G	EX GAS MAIN
ABG	EX ABANDONED GAS MAIN	E.S.P. WITH LIGHT	ABG	EX ABANDONED GAS MAIN
E	EX U/G ELECTRICITY CABLE	LIGHT POLE ONLY	E	EX U/G ELECTRICITY CABLE
EA	EX O/H ELECTRICITY CABLE	TELECOM PILLAR	EA	EX O/H ELECTRICITY CABLE
O	EX OPTUS CABLE	EXISTING POST	O	EX OPTUS CABLE
HD	EX HOUSE DRAIN		HD	EX HOUSE DRAIN

LEGEND	EX TELSTRA OPTIC FIBRE		EX HIGH PRESSURE GAS MAIN	
	EX TELSTRA CABLE & PIT	STOP VALVE	EX TELSTRA CABLE & PIT	STOP VALVE
T	EX TELSTRA CABLE & PIT	STOP VALVE	T	EX TELSTRA CABLE & PIT
S	EX SEWER & PIT	FIRE PLUG	S	EX SEWER & PIT
W	EX WATER MAIN	FIRE HYDRANT (ABOVE GROUND)	W	EX WATER MAIN
ABW	EX ABANDONED WATER MAIN	FIRE HYDRANT (GROUND LEVEL)	ABW	EX ABANDONED WATER MAIN
G	EX GAS MAIN	ELECTRICITY SUPPLY POLE	G	EX GAS MAIN
ABG	EX ABANDONED GAS MAIN	E.S.P. WITH LIGHT	ABG	EX ABANDONED GAS MAIN
E	EX U/G ELECTRICITY CABLE	LIGHT POLE ONLY	E	EX U/G ELECTRICITY CABLE
EA	EX O/H ELECTRICITY CABLE	TELECOM PILLAR	EA	EX O/H ELECTRICITY CABLE
O	EX OPTUS CABLE	EXISTING POST	O	EX OPTUS CABLE
HD	EX HOUSE DRAIN		HD	EX HOUSE DRAIN

CRE
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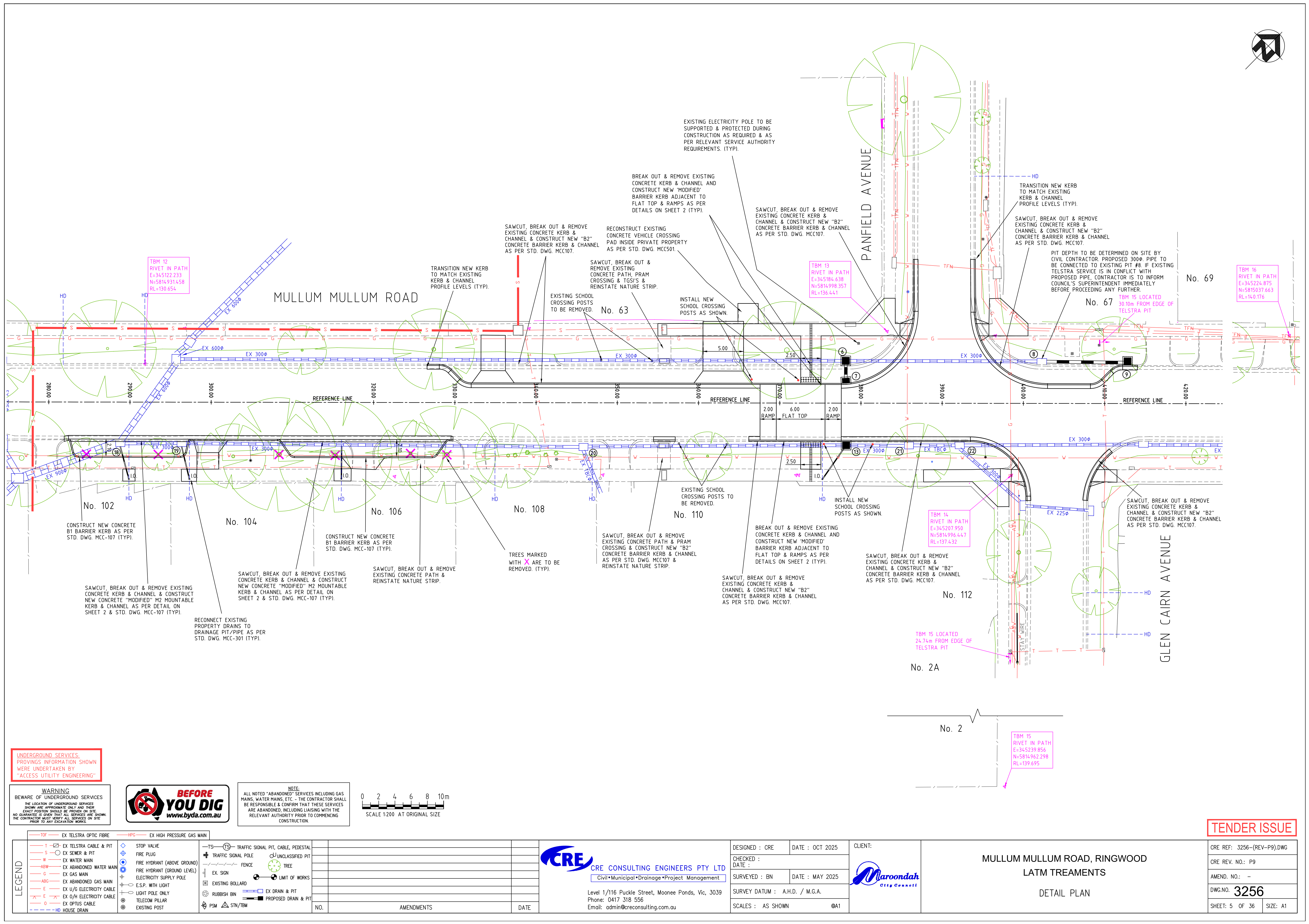
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CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

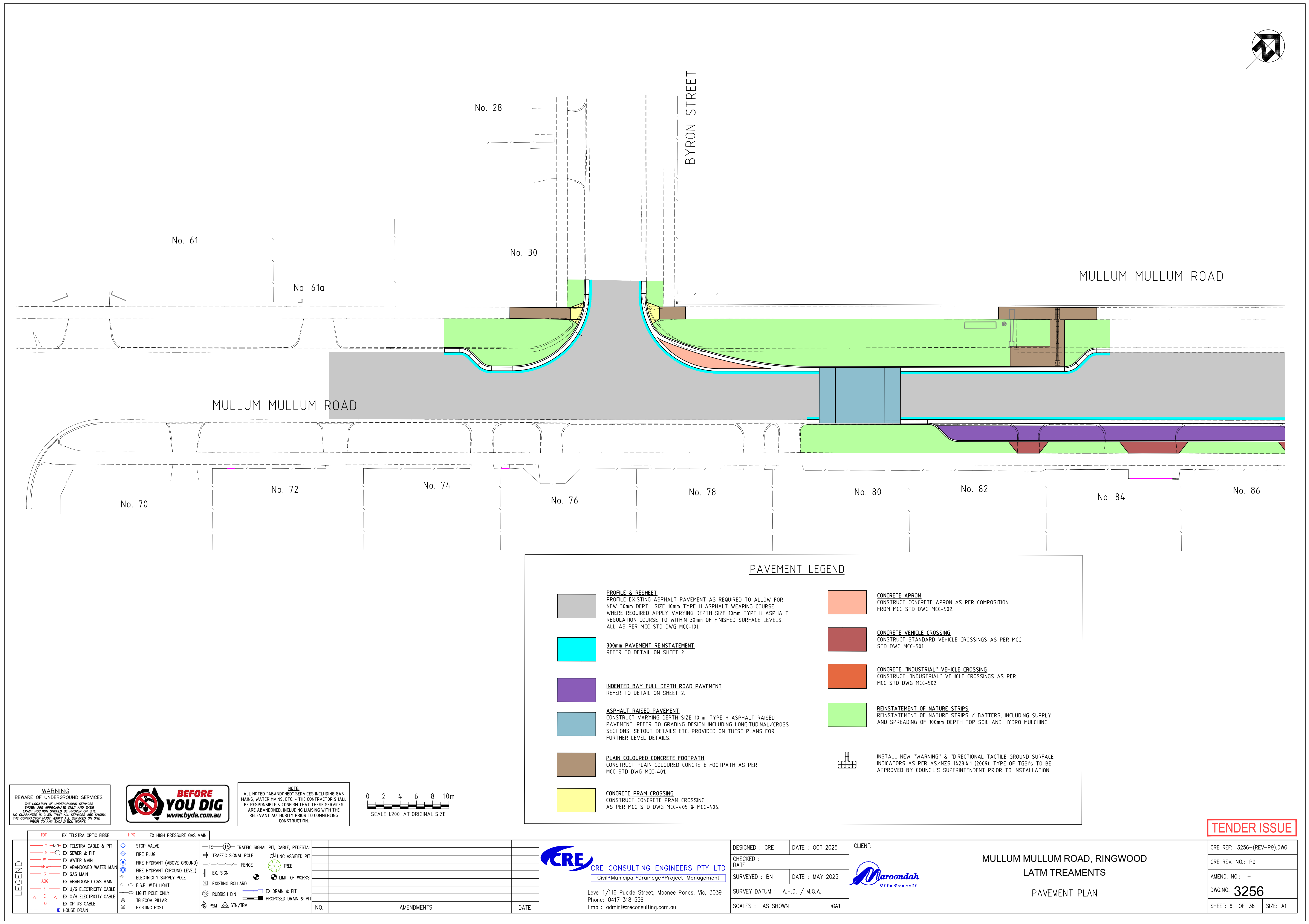
CLIENT:
Maroondah
City Council

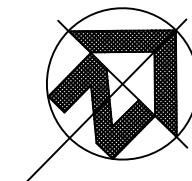
MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
DETAIL PLAN

TENDER ISSUE

CRE REF: 3256-(REV-P9).DWG
CRE REV. NO.: P9
AMEND. NO.: -
DWG. NO. 3256
SHEET: 4 OF 36
SIZE: A1

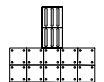
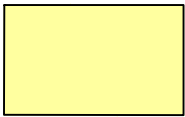




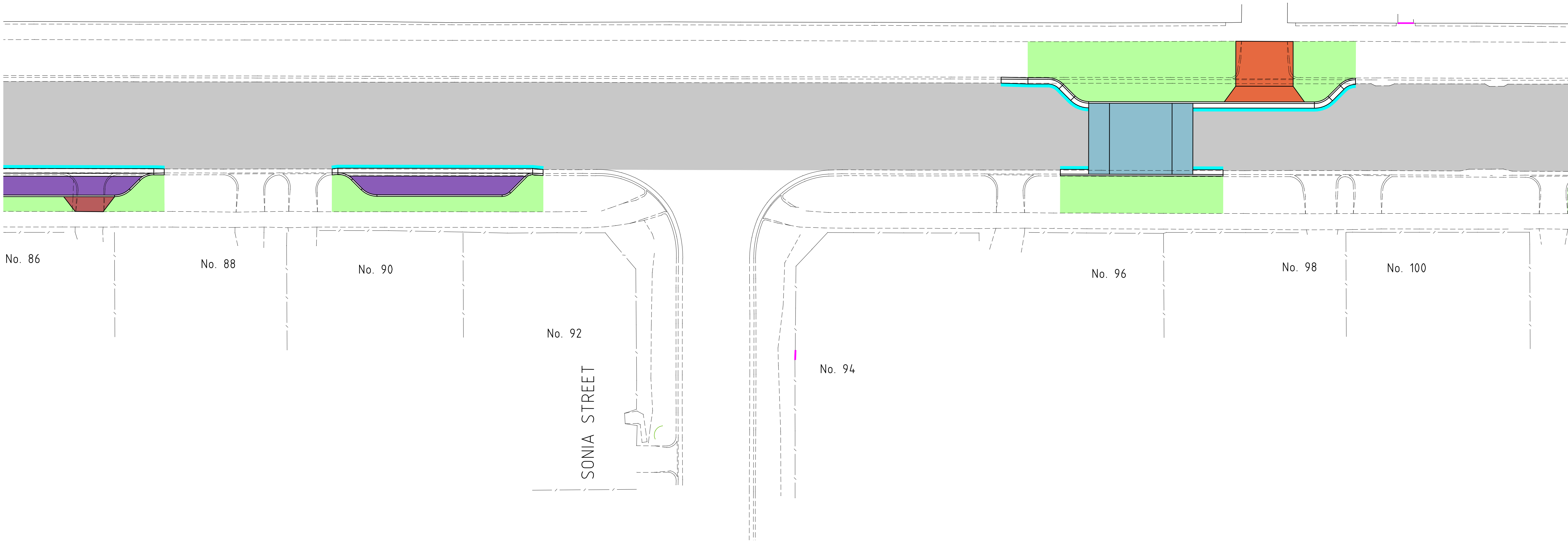


NORWOOD SECONDARY COLLEGE

PAVEMENT LEGEND

	PROFILE & RESHEET PROFILE EXISTING ASPHALT PAVEMENT AS REQUIRED TO ALLOW FOR NEW 30mm DEPTH SIZE 10mm TYPE H ASPHALT WEARING COURSE. WHERE REQUIRED APPLY VARYING DEPTH SIZE 10mm TYPE H ASPHALT REGULATION COURSE TO WITHIN 30mm OF FINISHED SURFACE LEVELS. ALL AS PER MCC STD DWG MCC-101.		CONCRETE APRON CONSTRUCT CONCRETE APRON AS PER COMPOSITION FROM MCC STD DWG MCC-502.
	300mm PAVEMENT REINSTATEMENT REFER TO DETAIL ON SHEET 2.		CONCRETE VEHICLE CROSSING CONSTRUCT STANDARD VEHICLE CROSSINGS AS PER MCC STD DWG MCC-501.
	INDENTED BAY FULL DEPTH ROAD PAVEMENT REFER TO DETAIL ON SHEET 2.		CONCRETE "INDUSTRIAL" VEHICLE CROSSING CONSTRUCT "INDUSTRIAL" VEHICLE CROSSINGS AS PER MCC STD DWG MCC-502.
	ASPHALT RAISED PAVEMENT CONSTRUCT VARYING DEPTH SIZE 10mm TYPE H ASPHALT RAISED PAVEMENT. REFER TO GRADING DESIGN INCLUDING LONGITUDINAL/CROSS SECTIONS, SETOUT DETAILS ETC. PROVIDED ON THESE PLANS FOR FURTHER LEVEL DETAILS.		REINSTATEMENT OF NATURE STRIPS REINSTATEMENT OF NATURE STRIPS / BATTERS, INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING.
	PLAIN COLOURED CONCRETE FOOTPATH CONSTRUCT PLAIN COLOURED CONCRETE FOOTPATH AS PER MCC STD DWG MCC-401.		INSTALL NEW "WARNING" & "DIRECTIONAL TACTILE GROUND SURFACE INDICATORS AS PER AS/NZS 14284.1 (2009). TYPE OF TGS's TO BE APPROVED BY COUNCIL'S SUPERINTENDENT PRIOR TO INSTALLATION.
	CONCRETE PRAM CROSSING CONSTRUCT CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.		

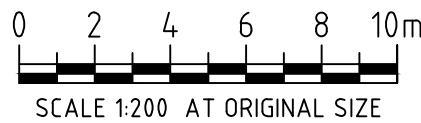
MULLUM MULLUM ROAD



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LEGEND	—T— EX TELSTRA CABLE & PIT	—HPG— EX HIGH PRESSURE GAS MAIN	—TS— TS— TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
	—S— EX SOWER & PIT	—F— EX FENCE	—C— UNCLASSIFIED PIT
—W— EX WATER MAIN	—ABW— EX ABANDONED WATER MAIN	—G— EX GAS MAIN	—ABG— EX ABANDONED GAS MAIN
—E— EX U/G ELECTRICITY CABLE	—E— EX O/H ELECTRICITY CABLE	—O— EX OPTUS CABLE	—HD— EX HOUSE DRAIN
—STOP VALVE	—FIRE PLUG	—FIRE HYDRANT (ABOVE GROUND)	—ELECTRICITY SUPPLY POLE
—E.S.P. WITH LIGHT	—LIGHT POLE ONLY	—TELECOM PILLAR	—EXISTING POST
—EXISTING BOLLARD	—RUBBISH BIN	—PSM	—STN/TBM
—EX DRAIN & PIT	—PROPOSED DRAIN & PIT		
NO.	AMENDMENTS	DATE	

**CRE CONSULTING ENGINEERS PTY LTD**
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DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

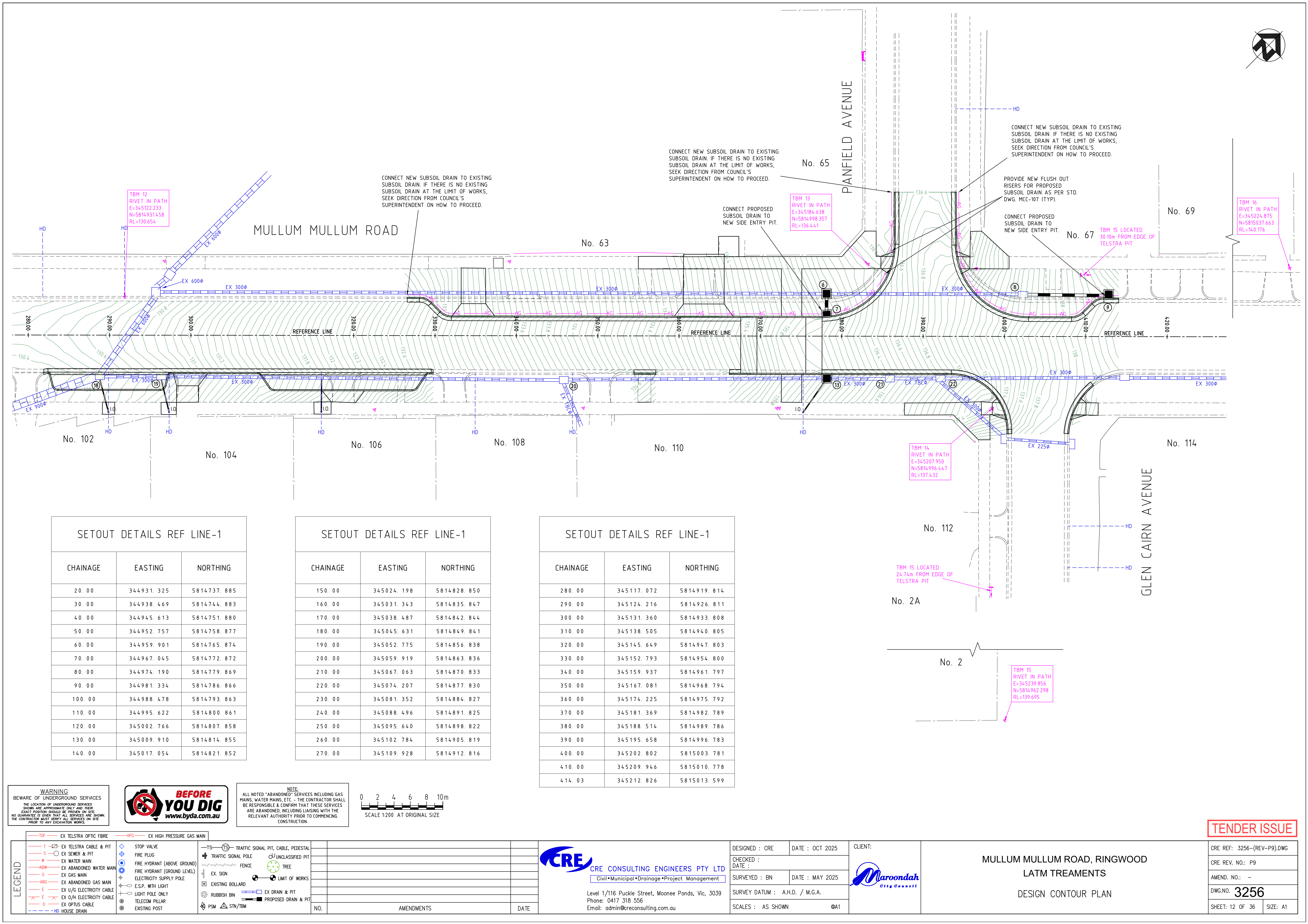


MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
PAVEMENT PLAN

TENDER ISSUE

CRE REF: 3256-(REV-P9).DWG
CRE REV. NO.: P9
AMEND. NO.: -
DWG.NO. 3256
SHEET: 7 OF 36
SIZE: A1

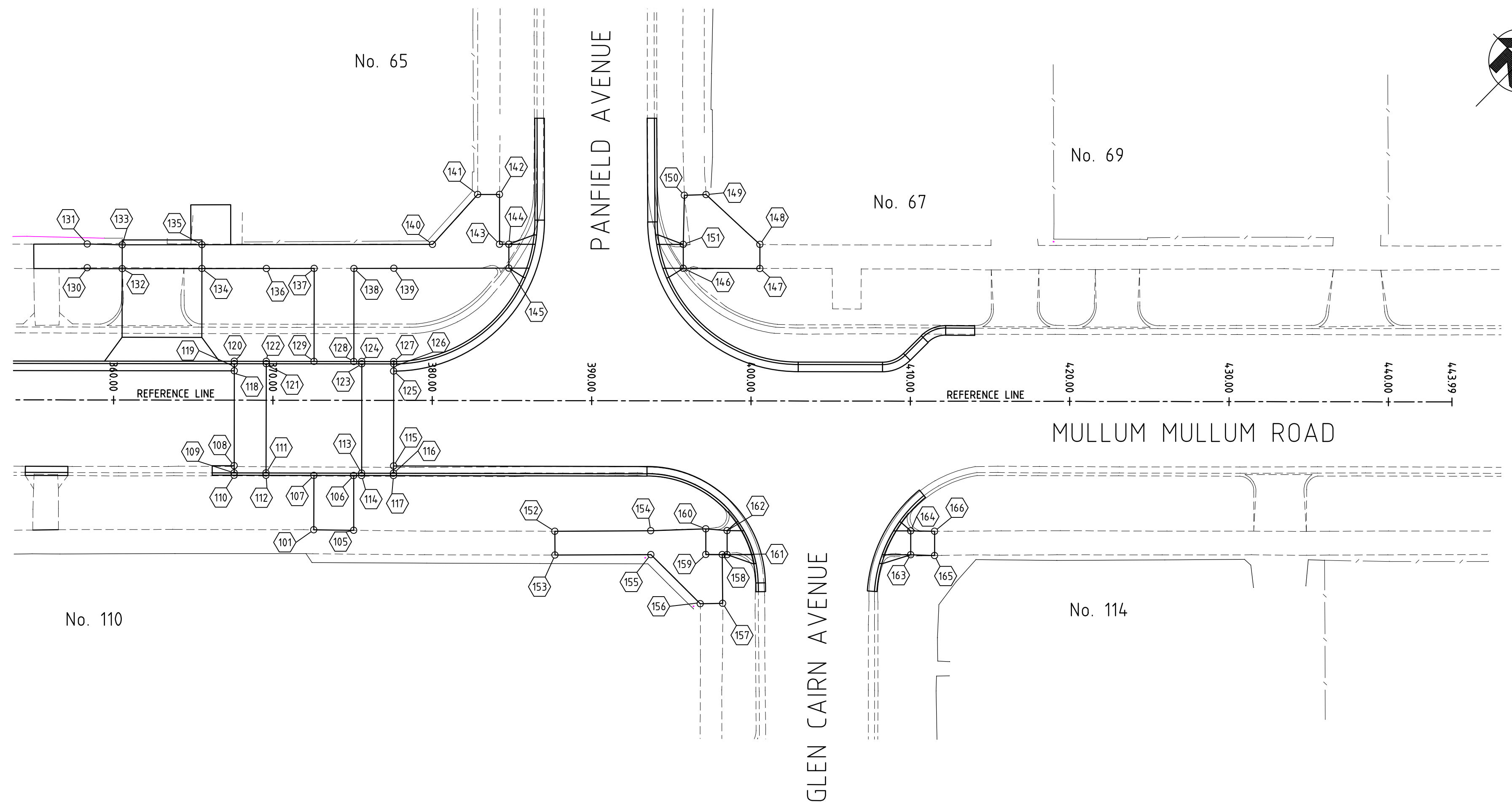






CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 14 OF 36	SIZE: A1

POINT SETOUT DETAILS				
PT No.	EASTING	NORTHING	DESIGN LEVEL	DESCRIPTION
101	345188.899	5814978.786	135.860	EDGE OF PATH (MATCH EX)
102				DELETED
103				DELETED
104				DELETED
105	345190.702	5814980.518	136.028	EDGE OF PATH
106	345188.297	5814982.973	135.838	BACK OF KERB & EDGE OF PATH
107	345186.511	5814981.227	135.713	BACK OF KERB & EDGE OF PATH
108	345182.515	5814978.158	135.243	LIP OF KERB AT BASE OF RAMP
109	345182.830	5814977.837	135.203	INVERT OF KERB AT BASE AT RAMP
110	345182.935	5814977.729	135.353	BACK OF KERB AT BASE OF RAMP
111	345184.260	5814979.235	135.446	INVERT OF KERB AT TOP OF RAMP
112	345184.365	5814979.127	135.446	BACK OF KERB AT TOP OF RAMP
113	345188.549	5814983.430	135.863	INVERT OF KERB AT TOP OF RAMP
114	345188.654	5814983.323	135.863	BACK OF KERB AT TOP OF RAMP
115	345189.664	5814985.150	135.900	LIP OF KERB AT BASE OF RAMP
116	345189.979	5814984.828	135.860	INVERT OF KERB AT BASE AT RAMP
117	345190.084	5814984.721	136.010	BACK OF KERB AT BASE OF RAMP
118	345178.353	5814982.406	135.297	LIP OF KERB AT BASE OF RAMP
119	345178.039	5814982.727	135.257	INVERT OF KERB AT BASE AT RAMP
120	345177.933	5814982.835	135.407	BACK OF KERB AT BASE OF RAMP
121	345179.467	5814984.127	135.517	INVERT OF KERB AT TOP OF RAMP
122	345179.362	5814984.235	135.517	BACK OF KERB AT TOP OF RAMP
123	345183.753	5814988.326	135.865	INVERT OF KERB AT TOP OF RAMP
124	345183.648	5814988.433	135.865	BACK OF KERB AT TOP OF RAMP
125	345185.497	5814989.404	135.923	LIP OF KERB AT BASE OF RAMP
126	345185.182	5814989.726	135.883	INVERT OF KERB AT BASE AT RAMP
127	345185.077	5814989.833	136.033	BACK OF KERB AT BASE OF RAMP
128	345183.291	5814988.083	135.840	BACK OF KERB & EDGE OF PATH
129	345181.505	5814986.334	135.715	BACK OF KERB & EDGE OF PATH
130	345167.236	5814980.553	134.876	FRONT OF PATH (MATCH EX)
131	345166.188	5814981.621	134.898	BACK OF PATH (MATCH EX)
132	345168.840	5814982.048	134.986	FRONT OF PATH & EDGE OF VEHICLE CROSSING
133	345167.792	5814983.121	135.024	BACK OF PATH & EDGE OF VEHICLE CROSSING
134	345172.404	5814985.558	135.338	FRONT OF PATH & EDGE OF VEHICLE CROSSING
135	345171.354	5814986.630	135.376	BACK OF PATH & EDGE OF VEHICLE CROSSING
136	345175.286	5814988.397	135.621	FRONT OF PATH
137	345177.423	5814990.502	135.839	EDGE OF PATH
138	345179.204	5814992.256	136.027	EDGE OF PATH
139	345180.985	5814994.011	136.215	FRONT OF PATH
140	345181.660	5814996.781	136.372	BACK OF PATH
141	345181.491	5815000.999	136.658	BACK OF PATH (MATCH EX)
142	345182.475	5815001.964	136.632	FRONT OF PATH (MATCH EX)
143	345184.659	5814999.737	136.585	EDGE OF PATH
144	345185.078	5815000.148	136.570	BACK OF PRAM CROSSING & FRONT OF PATH
145	345186.128	5814999.077	136.535	BACK OF PRAM CROSSING & FRONT OF PATH
146	345193.941	5815006.741	137.028	BACK OF PRAM CROSSING & FRONT OF PATH
147	345197.383	5815010.102	137.466	FRONT OF PATH (MATCH EX)
148	345196.325	5815011.180	137.479	BACK OF PATH (MATCH EX)



POINT SETOUT DETAILS				
PT No.	EASTING	NORTHING	DESIGN LEVEL	DESCRIPTION
149	345191.720	5815011.037	137.048	BACK OF PATH (MATCH EX)
150	345190.779	5815010.055	136.924	FRONT OF PATH (MATCH EX)
151	345192.891	5815007.811	136.992	BACK OF PRAM CROSSING & FRONT OF PATH
152	345199.755	5814989.324	136.835	FRONT OF PATH (MATCH EX)
153	345200.806	5814988.267	136.871	BACK OF PATH (MATCH EX)
154	345204.026	5814993.560	137.229	FRONT OF PATH
155	345205.077	5814992.500	137.268	BACK OF PATH
156	345209.449	5814992.478	137.915	BACK OF PATH (MATCH EX)
157	345210.438	5814993.475	137.915	FRONT OF PATH (MATCH EX)
158	345208.272	5814995.641	137.519	EDGE OF PATH
159	345207.532	5814994.915	137.495	EDGE OF PATH
160	345206.403	5814996.067	137.456	FRONT OF PATH
161	345208.488	5814995.852	137.526	BACK OF PRAM CROSSING & FRONT OF PATH
162	345207.438	5814996.924	137.491	BACK OF PRAM CROSSING & FRONT OF PATH
163	345216.716	5815003.915	138.176	BACK OF PRAM CROSSING & FRONT OF PATH
164	345215.666	5815004.987	138.143	BACK OF PRAM CROSSING & FRONT OF PATH
165	345217.820	5815004.932	138.317	BACK OF PATH (MATCH EX)
166	345216.752	5815006.022	138.275	FRONT OF PATH (MATCH EX)

**BEFORE
YOU DIG**
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LEGEND	EX TELSTRA OPTIC FIBRE		EX HIGH PRESSURE GAS MAIN			
	—TOP—	—HPC—				
T	EX TELSTRA CABLE & PIT	STOP VALVE	TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL		
S	EX SEWER & PIT	FIRE PUG	+	TRAFFIC SIGNAL POLE		U UNCLASSIFIED PIT
W	EX WATER MAIN	FIRE HYDRANT (ABOVE GROUND)			FENCE	TREE
AW	EX ABANDONED WATER MAIN	FIRE HYDRANT (GROUND LEVEL)			EX. SIGN	LIMIT OF WORKS
G	EX GAS MAIN	ELECTRICITY SUPPLY POLE			EXISTING BOLLARD	
AG	EX ABANDONED GAS MAIN	E.S.P. WITH LIGHT			RUBBISH BIN	EX DRAIN & PIT
E	EX O/V ELECTRICITY CABLE	LIGHT POLE ONLY				PROPOSED DRAIN & PIT
E	EX U/H ELECTRICITY CABLE	TELECOM PILLAR			PSM	STN/TEN
O	EX OPTUS CABLE	EXISTING POST				
HD	HOUSE DRAIN					

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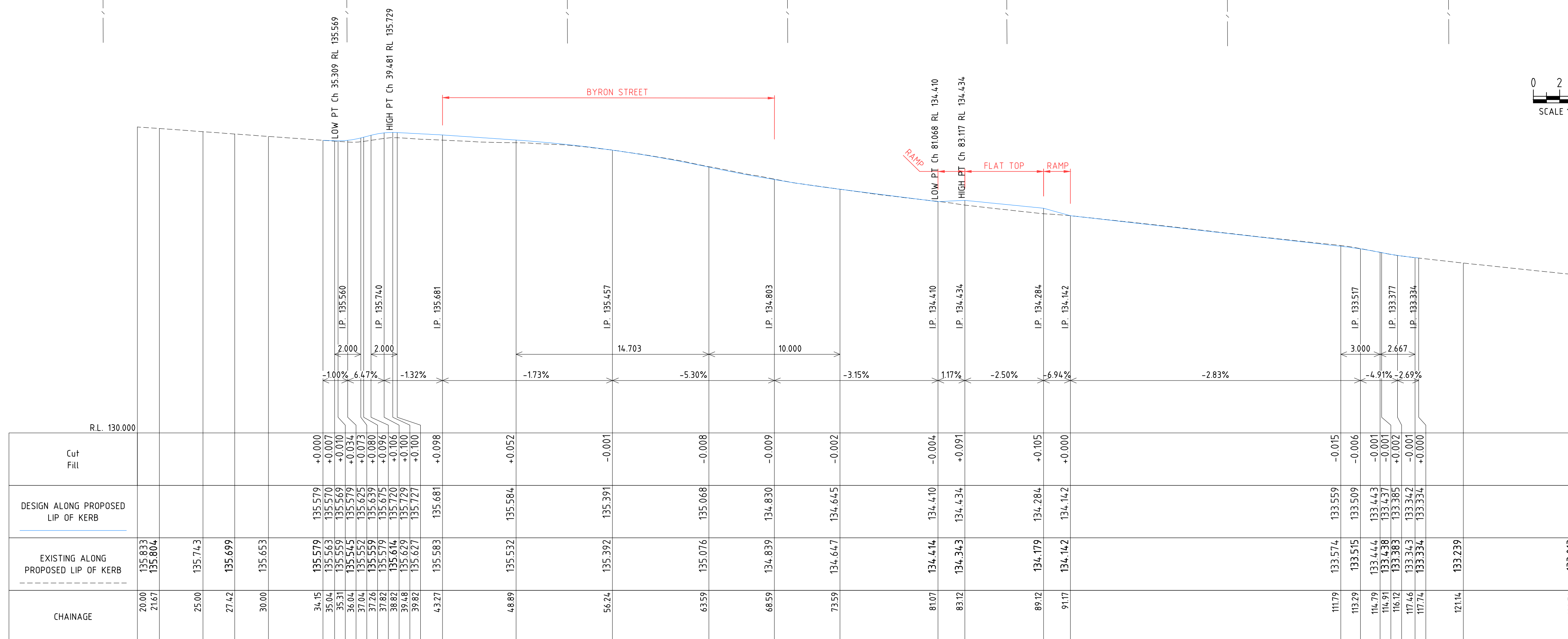
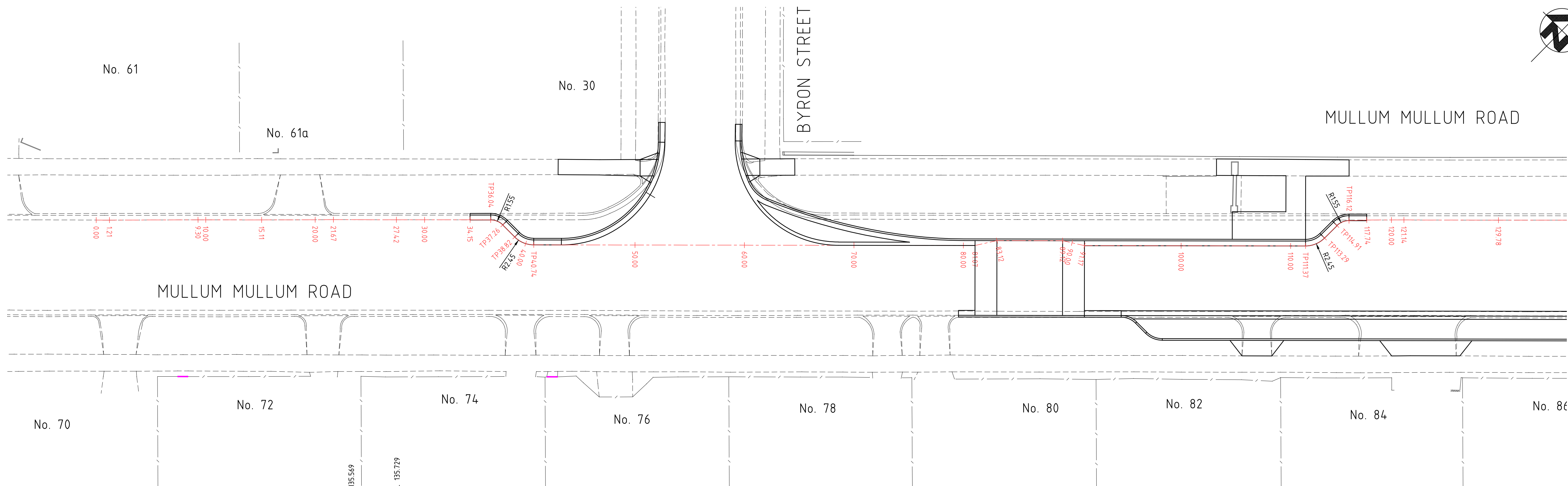
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CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

CLIENT:

 Maroondah
City Council

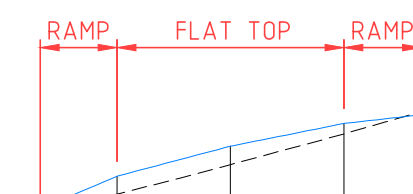
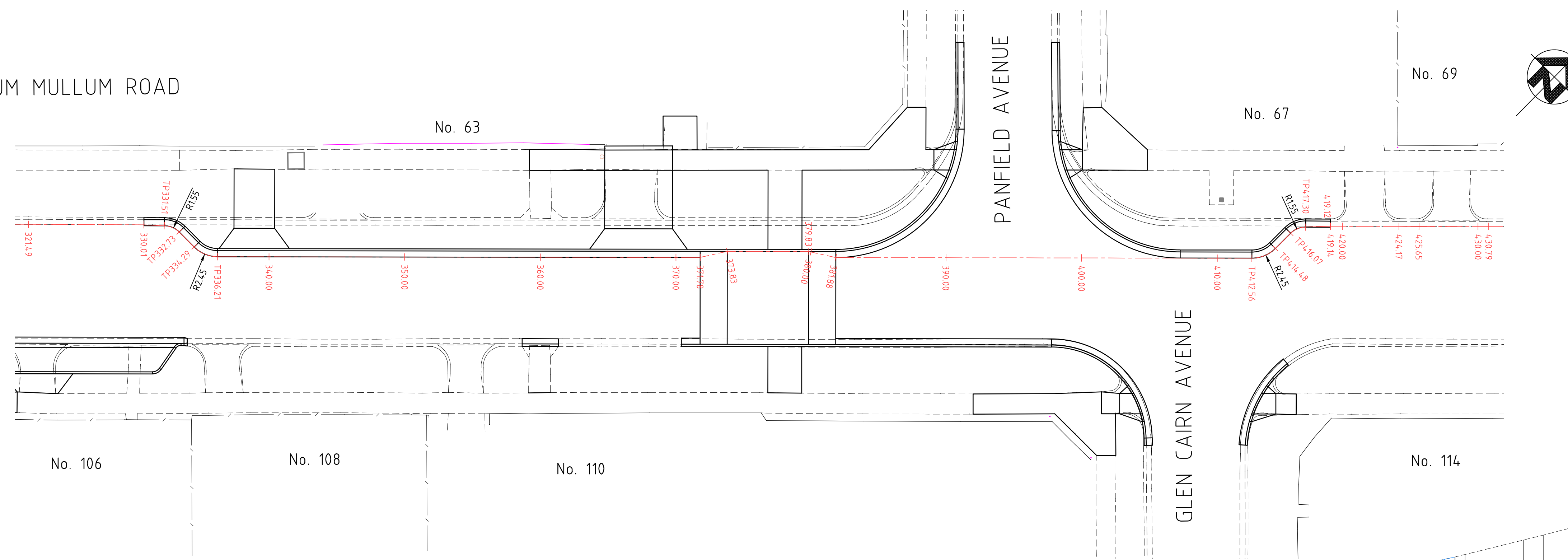
MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
SETOUT DETAILS & PLAN

TENDER ISSUE	
CRE REF: 3256--(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 15 OF 36	SIZE: A1



CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 16 OF 36	SIZE: A1

MULLUM MULLUM ROAD



CHAINAGE	EXISTING ALONG PROPOSED LIP OF KERB	DESIGN ALONG PROPOSED LIP OF KERB	Cut Fill
321.49	131.976		R.L. 128.500
330.00	132.522	132.522	+0.000
334.29	132.840	132.837	-0.003
336.21	132.979	132.979	+0.000
			IP. 132.979
346.30	133.664	133.670	+0.006
			IP. 133.670
363.64	134.756	134.756	+0.000
			IP. 134.756
371.78	135.287	135.297	+0.010
373.83	135.399	135.517	+0.118
			IP. 135.297
376.83	135.593	135.715	+0.122
			IP. 135.517
379.83	135.796	135.865	+0.069
			IP. 135.715
381.88	135.943	135.923	-0.020
			IP. 135.865
			IP. 135.923
394.52	136.805	136.822	+0.017
			IP. 136.822
407.27	137.633	137.633	+0.000
			IP. 137.633
412.56	137.953	137.953	+0.000
412.85	137.970	137.971	+0.001
413.60	138.009	138.009	+0.000
414.35	138.048	138.048	+0.000
414.58	138.039	138.038	-0.001
414.85	138.084	138.088	+0.004
417.30	138.111	138.112	+0.001
418.05	138.153	138.150	-0.003
419.12	138.212	138.212	+0.000
419.14	138.214		
419.87	138.259		
424.17	138.525		
425.65	138.616		
430.79	138.953		

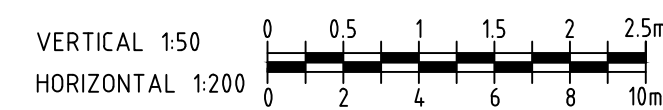
CHAINAGE	EASTING	NORTHING
34. 15	344938. 566	5814750. 717
36. 04	344939. 924	5814752. 030
37. 26	344941. 027	5814752. 475
38. 82	344942. 585	5814752. 459
81. 07	344973. 130	5814781. 376
83. 12	344974. 244	5814783. 097
89. 12	344978. 530	5814787. 296
91. 17	344980. 274	5814788. 374
114. 91	344995. 455	5814805. 851
116. 12	344995. 919	5814806. 941
117. 74	344997. 026	5814808. 115
228. 41	345076. 097	5814885. 552
230. 99	345077. 939	5814887. 352
235. 67	345082. 016	5814889. 043
237. 59	345083. 756	5814889. 743
239. 64	345084. 869	5814891. 464
245. 64	345089. 156	5814895. 663
247. 69	345090. 899	5814896. 741
259. 34	345099. 222	5814904. 894
261. 27	345099. 957	5814906. 618
262. 83	345099. 973	5814908. 178
264. 07	345100. 395	5814909. 331
273. 23	345106. 940	5814915. 743
276. 47	345109. 252	5814918. 013
276. 97	345109. 732	5814918. 145
330. 00	345147. 417	5814955. 390
334. 29	345151. 203	5814956. 817
371. 78	345178. 352	5814982. 408
373. 83	345179. 466	5814984. 129
379. 83	345183. 752	5814988. 327
381. 88	345185. 496	5814989. 405
412. 56	345207. 408	5815010. 870

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.



NOTE:
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.

[illegible][illegible]

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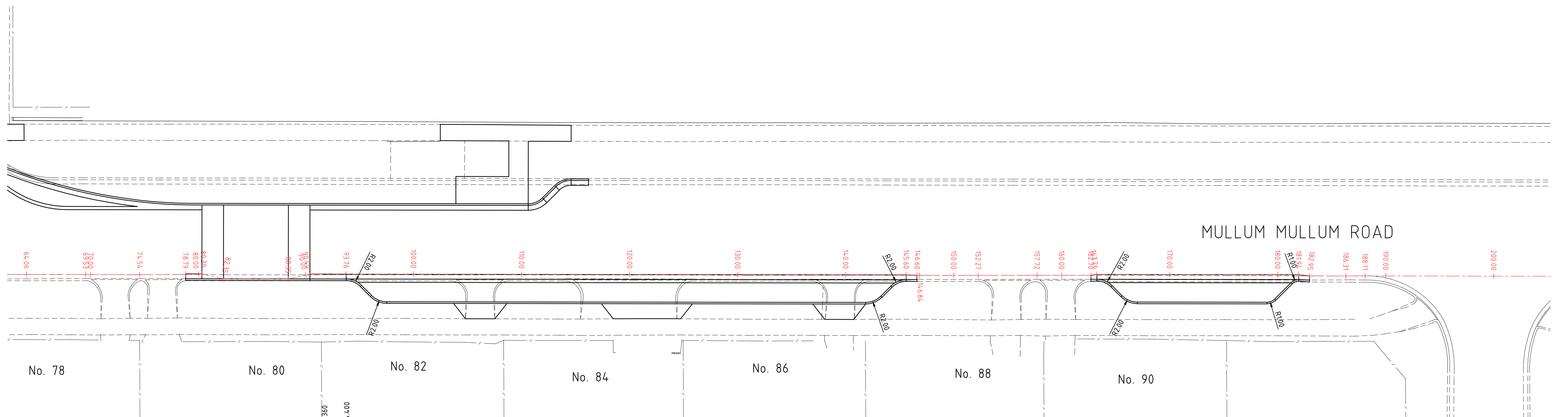
Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A

	CLIENT:
6	
1	

MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
NORTH LIP OF KERB LONGITUDINAL SECTION

TENDER ISSUE	
CRE REF: 3256-(REV-P9),DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 18 OF 36	SIZE: A1



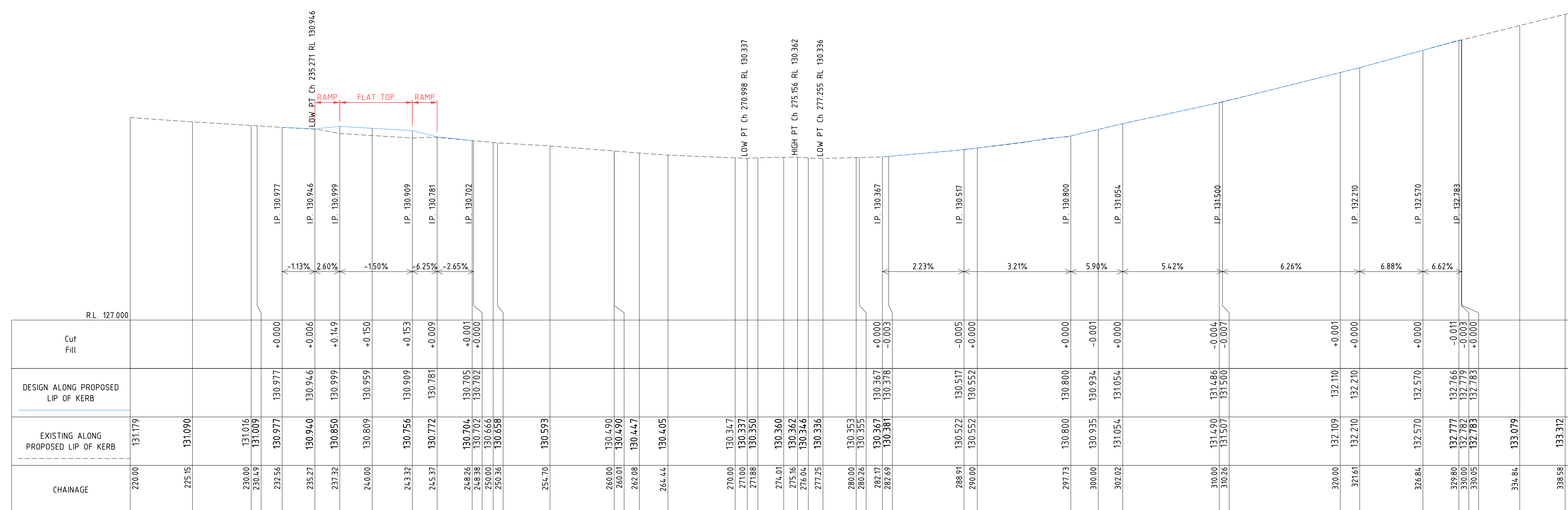
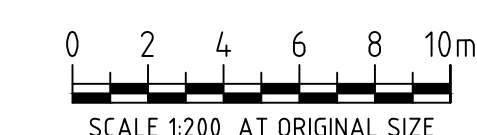
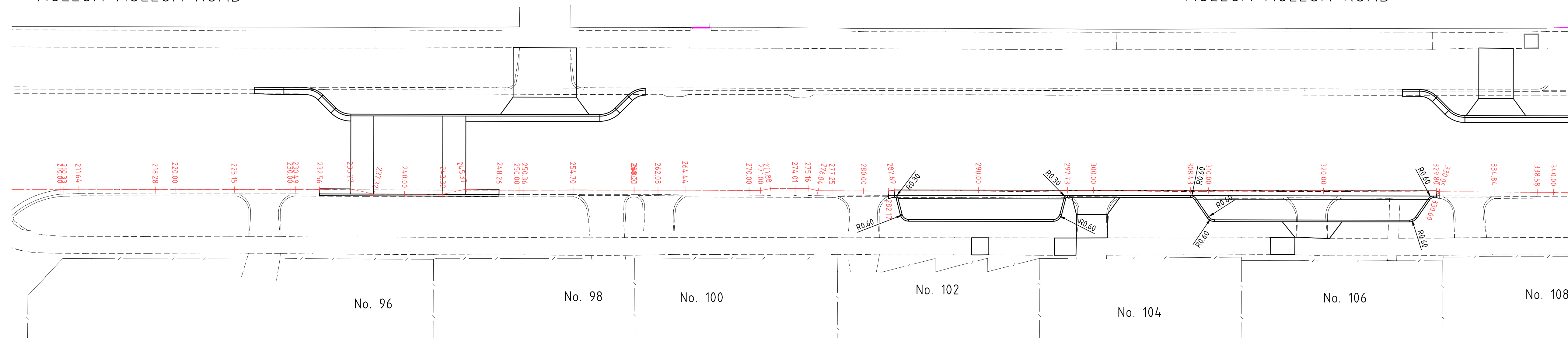
CHAINAGE	EXISTING ALONG PROPOSED LIP OF KERB	DESIGN ALONG PROPOSED LIP OF KERB	Cut Fill
69.53	134.666		
74.54	134.507		
78.79	134.390	134.390	+0.000
80.00	134.358	134.366	+0.008
80.30	134.350	134.360	+0.010
82.35	134.246	134.400	+0.154
88.35	134.058	134.250	+0.192
90.00	134.052	134.111	+0.059
90.40	134.048	134.078	+0.030
92.40	133.995	133.999	+0.004
93.76	133.959	133.959	+0.000
100.00	133.795	133.794	-0.001
104.80	133.668	133.668	+0.000
110.00	133.524	133.524	+0.000
120.00	133.256	133.246	-0.010
130.00	132.969	132.969	+0.000
136.96	132.779	132.776	-0.003
140.00	132.680	132.686	+0.006
145.60	132.518	132.520	+0.002
146.60	132.490	132.490	+0.000
146.84	132.484	132.484	+0.000
150.00	132.396		
152.27	132.334		
157.72	132.218		
160.00	132.178		
162.70	132.131	132.131	+0.000
163.26	132.119	132.115	-0.004
170.00	131.963	131.963	+0.000
170.11	131.961	131.961	+0.000
179.01	131.818	131.818	+0.000
180.00	131.805	131.804	-0.001
181.94	131.778	131.776	-0.002
182.95	131.761	131.761	+0.000
186.31	131.718		
188.11	131.665		

VERTICAL 1:50
HORIZONTAL 1:200

TENDER ISSUE	
CRE REF: 3256--(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 19 OF 36	SIZE: A1

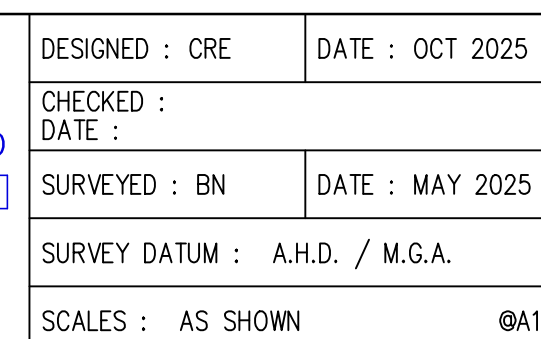


MULLUM MULLUM ROAD



VERTICAL 1:50
HORIZONTAL 1:200

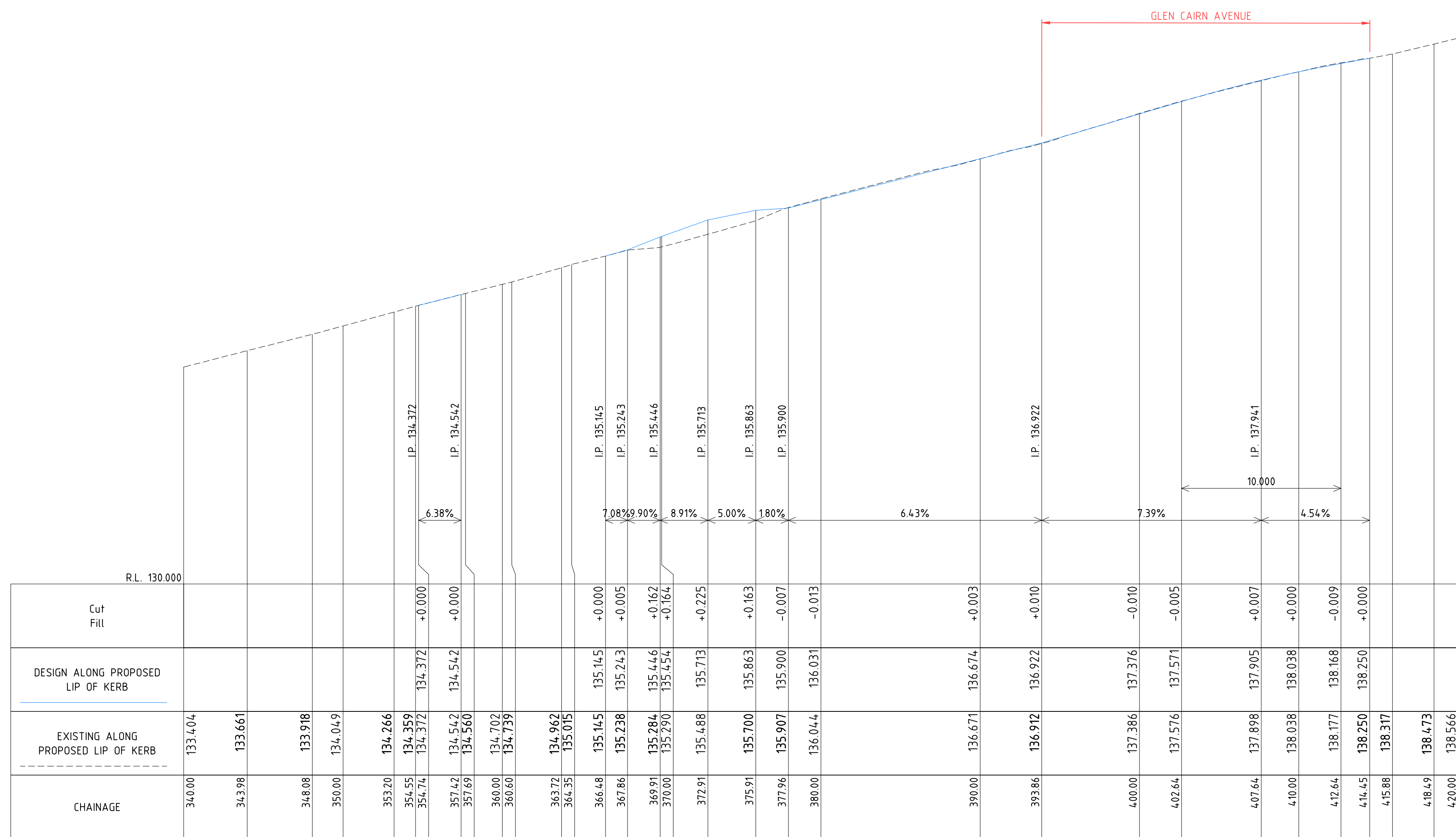
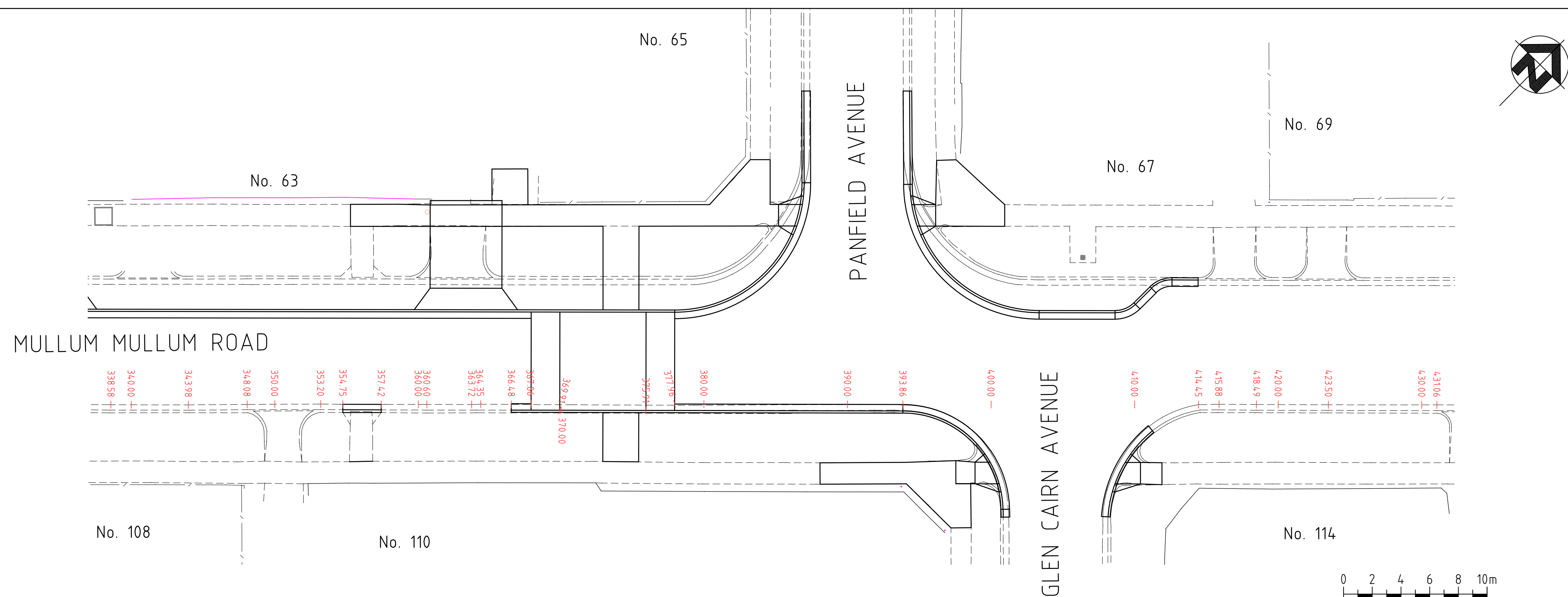
→ TOF → EX TELSTRA OPTIC FIBRE		→ HPG → EX HIGH PRESSURE GAS MAIN	
LEGEND	T EX TELSTRA CABLE & PIT	STOP VALVE	TS TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
	S EX SEWER & PIT	FIRE PLUG	TRAFFIC SIGNAL POLE
	W EX WATER MAIN	FIRE HYDRANT (ABOVE GROUND)	FENCE
	AWW EX ABANDONED WATER MAIN	FIRE HYDRANT (GROUND LEVEL)	TREE
	G EX GAS MAIN	ELECTRICITY SUPPLY POLE	LIMIT OF WORKS
	ABG EX ABANDONED GAS MAIN	E.S.P. WITH LIGHT	EXISTING BOLLARD
	E EX U/C ELECTRICITY CABLE	LIGHT POLE ONLY	RUBBISH BIN
	A EX O/A ELECTRICITY CABLE	TELECOM PILLAR	EX DRAIN & PIT
	D EX OPTUS CABLE	EXISTING POST	PROPOSED DRAIN & PIT
	H/O/S DB/AN		PSM
			STN/TBM

[illegible]

MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
SOUTH LIP OF KERB LONGITUDINAL SECTION

DWG.NO. 3256

SHEET: 20 OF 36	SIZE: A1
-----------------	----------



SETOUT DETAILS ALONG SOUTH-EAST EDGE OF BITUMEN		
CHAINAGE	EASTING	NORTHING
78.79	344976.241	5814776.049
80.30	344977.285	5814777.134
82.35	344979.029	5814778.212
88.35	344983.316	5814782.409
90.40	344984.431	5814784.129
93.76	344986.832	5814786.482
100.00	344991.289	5814790.848
110.00	344998.433	5814797.846
120.00	345005.577	5814804.843
130.00	345012.720	5814811.841
140.00	345019.864	5814818.839
145.60	345023.864	5814822.757
146.60	345024.601	5814823.432
162.70	345036.085	5814834.715
163.26	345036.424	5814835.157
170.00	345041.242	5814839.877
180.00	345048.386	5814846.875
181.94	345049.773	5814848.233
182.95	345050.561	5814848.858
232.56	345085.995	5814883.584
235.27	345087.885	5814885.527
237.32	345089.630	5814886.603
243.32	345093.922	5814890.796
245.37	345095.038	5814892.515
248.26	345097.160	5814894.480
282.17	345121.372	5814918.152
282.69	345121.679	5814918.577
290.00	345126.901	5814923.693
297.73	345132.423	5814929.102
300.00	345134.045	5814930.690
308.42	345140.063	5814936.586
310.00	345141.189	5814937.688
320.00	345148.332	5814944.686
329.80	345155.334	5814951.545
330.05	345155.561	5814951.653
354.74	345173.186	5814968.945
357.42	345175.099	5814970.809
366.48	345181.562	5814977.160
367.86	345182.514	5814978.159
370.00	345184.327	5814979.297
380.00	345191.123	5814986.579
390.00	345198.272	5814993.572
393.86	345201.030	5814996.269
400.00	345205.413	5815000.571
410.00	345212.550	5815007.576
414.45	345215.724	5815010.690

VERTICAL 1:50
HORIZONTAL 1:200

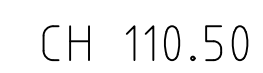
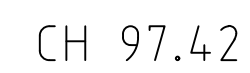
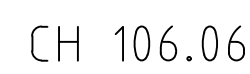
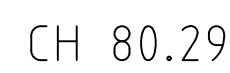
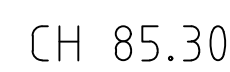
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NO.	AMENDMENTS	DATE

DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
SOUTH LIP OF KERB LONGITUDINAL SECTION

TENDER ISSUE	
CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: —	
DWG.NO. 3256	
SHEET: 21 OF 36	SIZE: A1



VERTICAL 1:50
AT ORIGINAL SIZE

HORIZONTAL 1:100
AT ORIGINAL SIZE

0 0.5 1 1.5 2 2.5m

0 1 2 3 4 5m

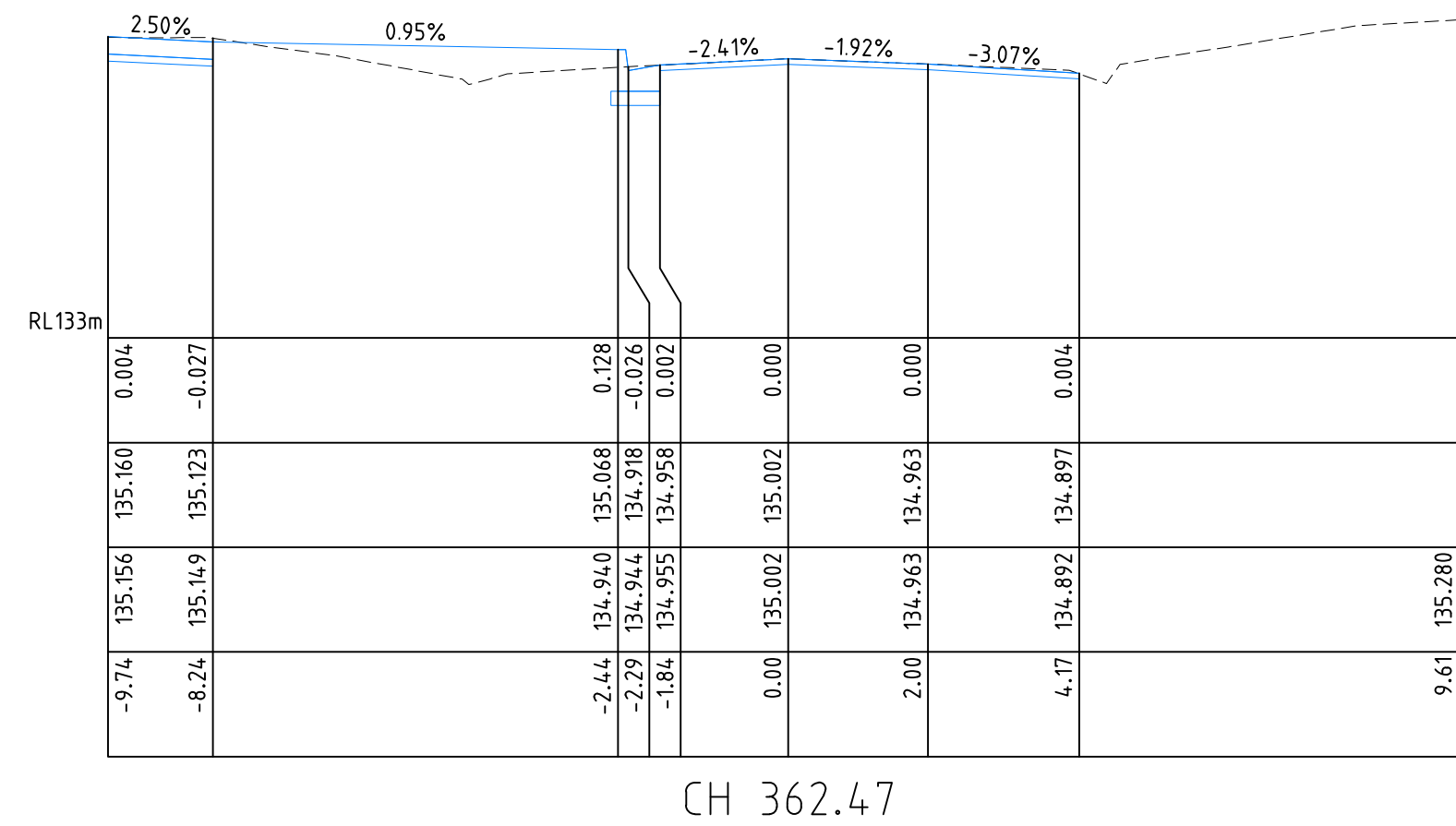
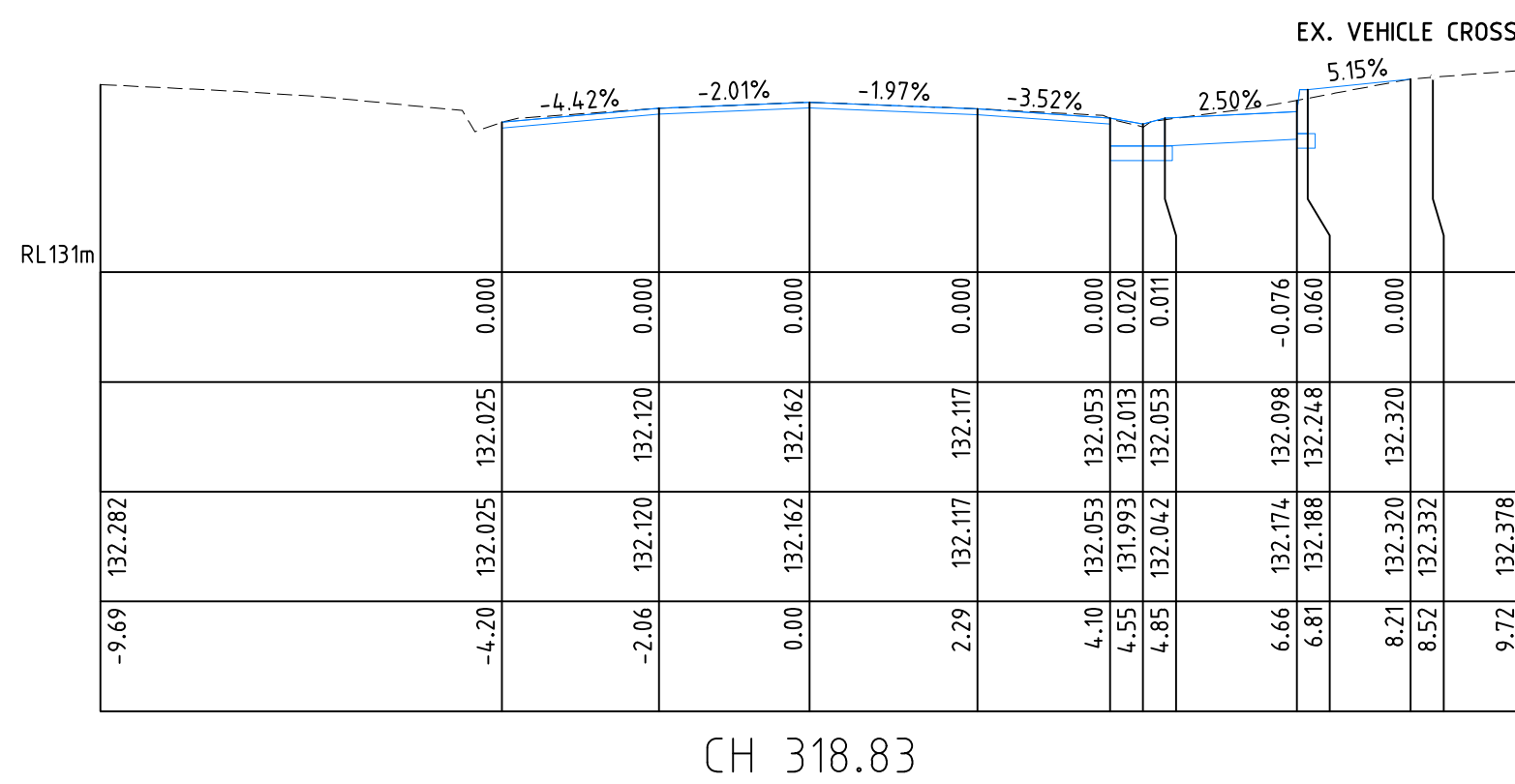
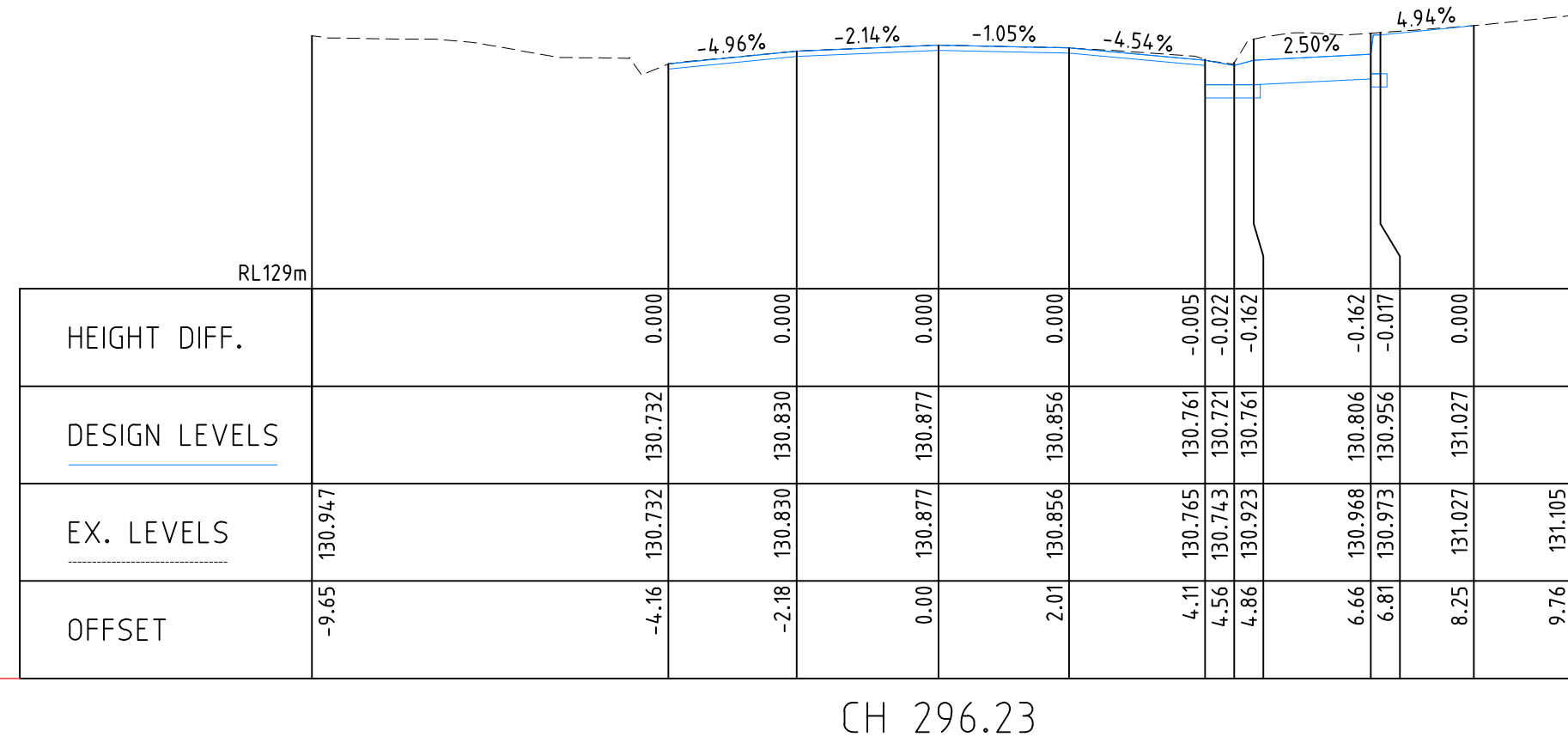
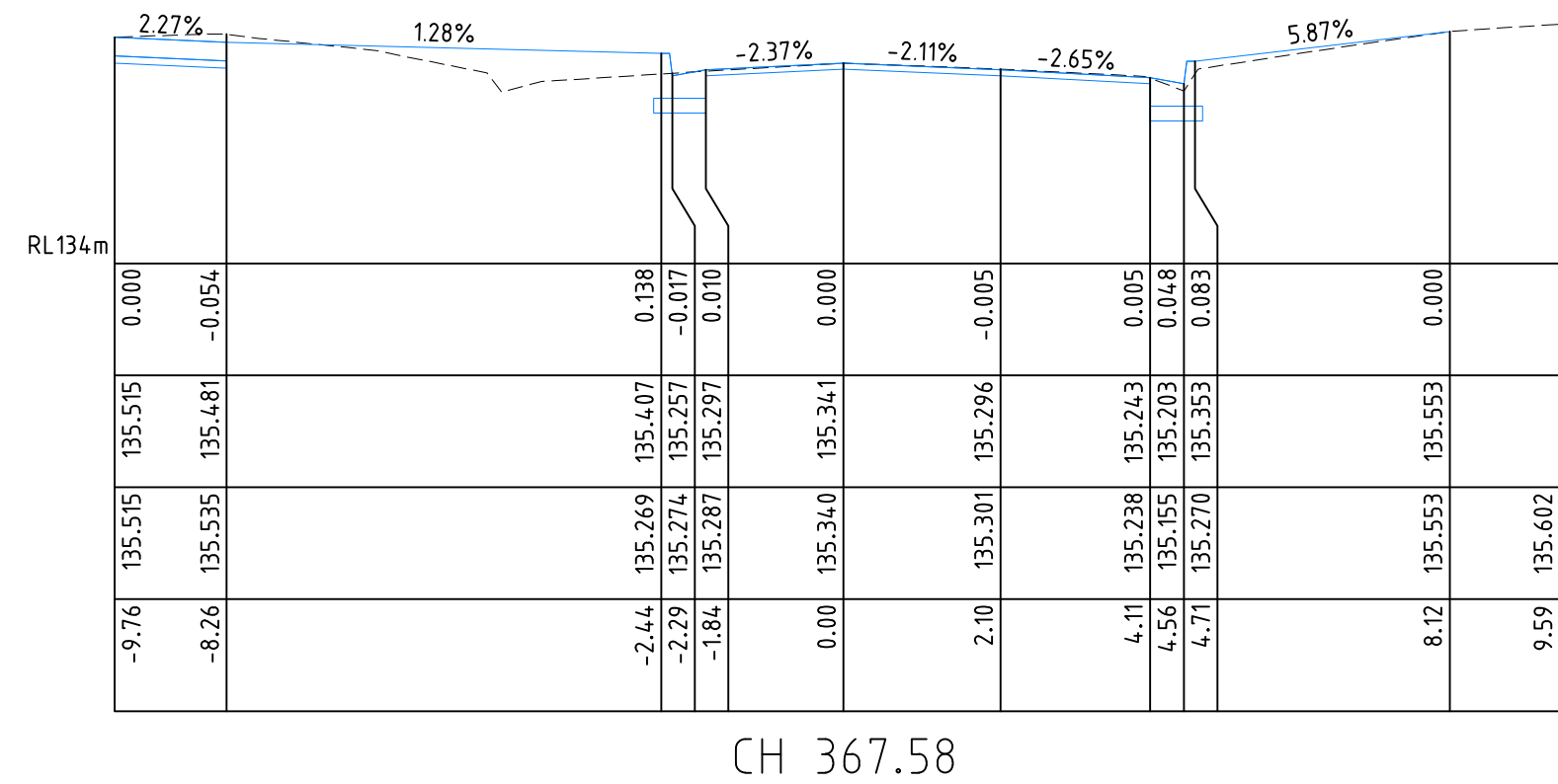
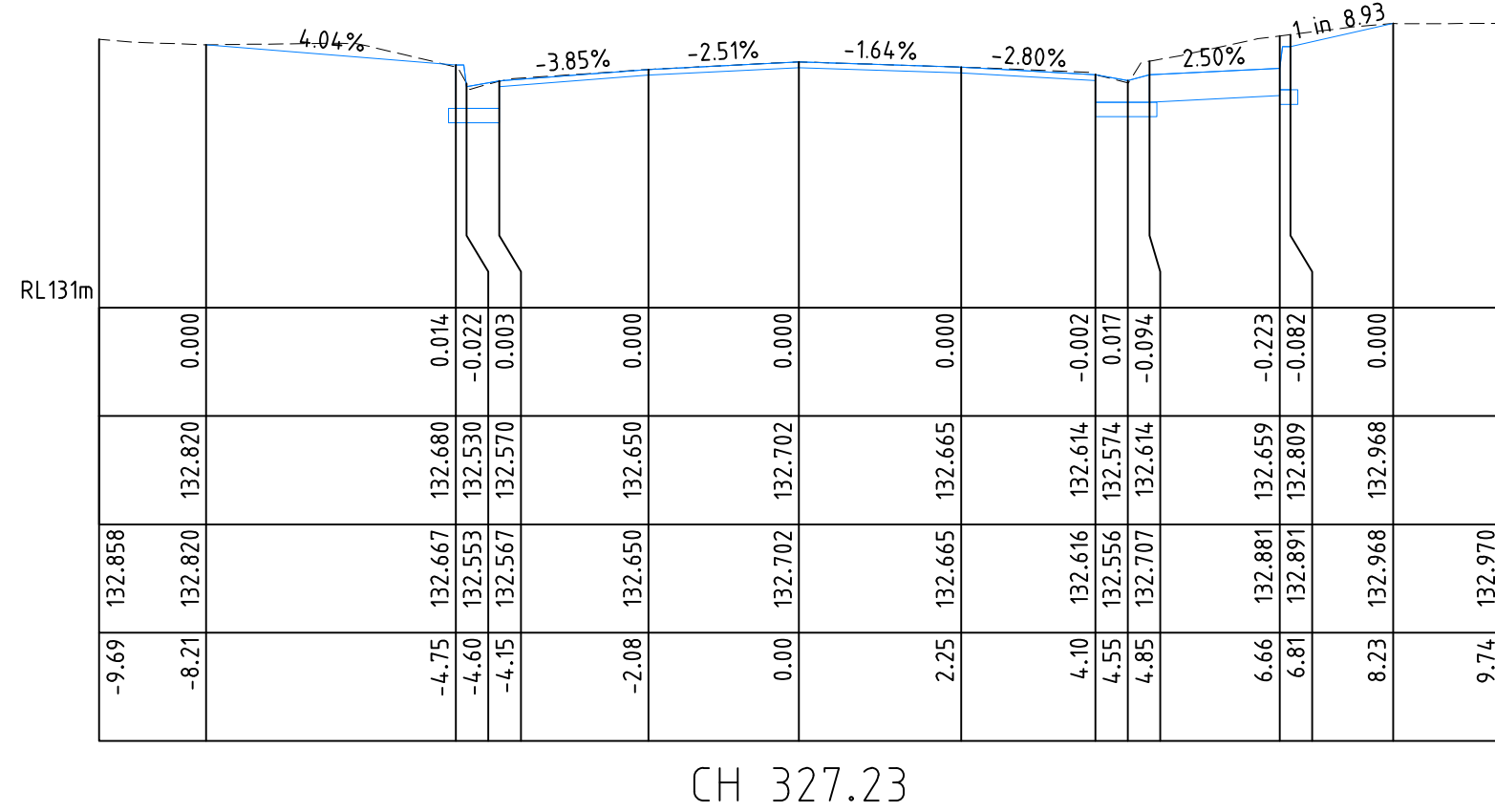
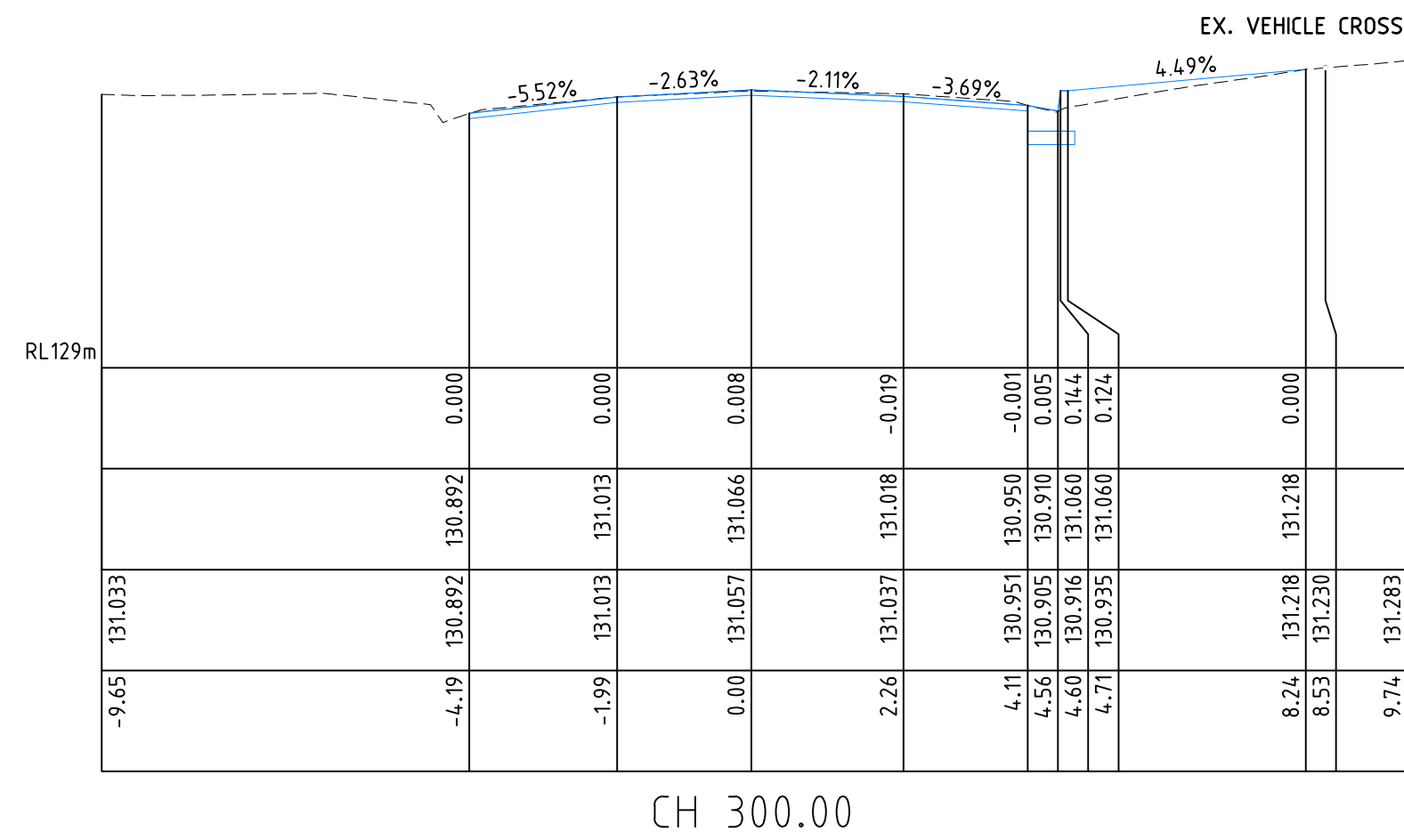
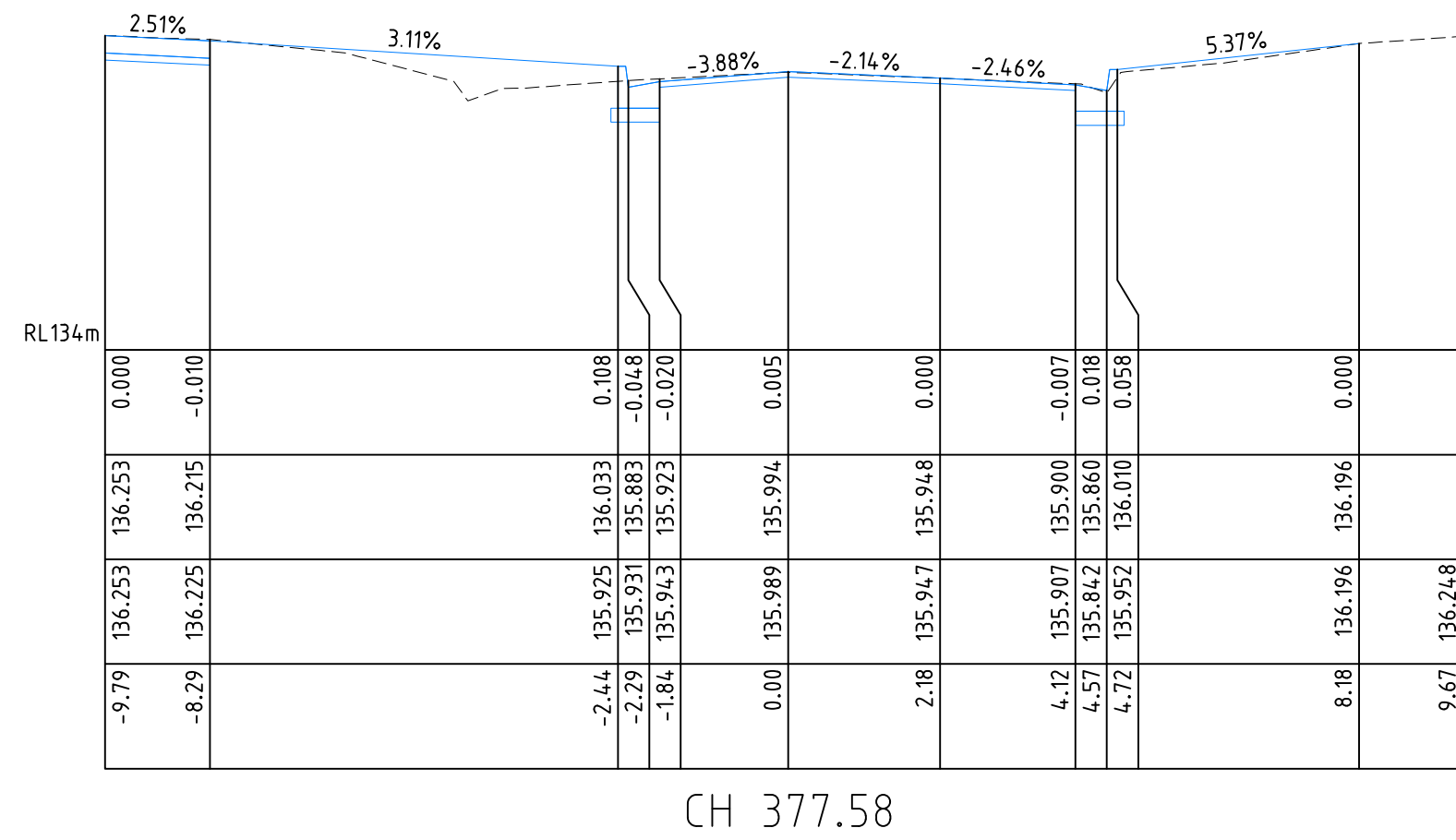
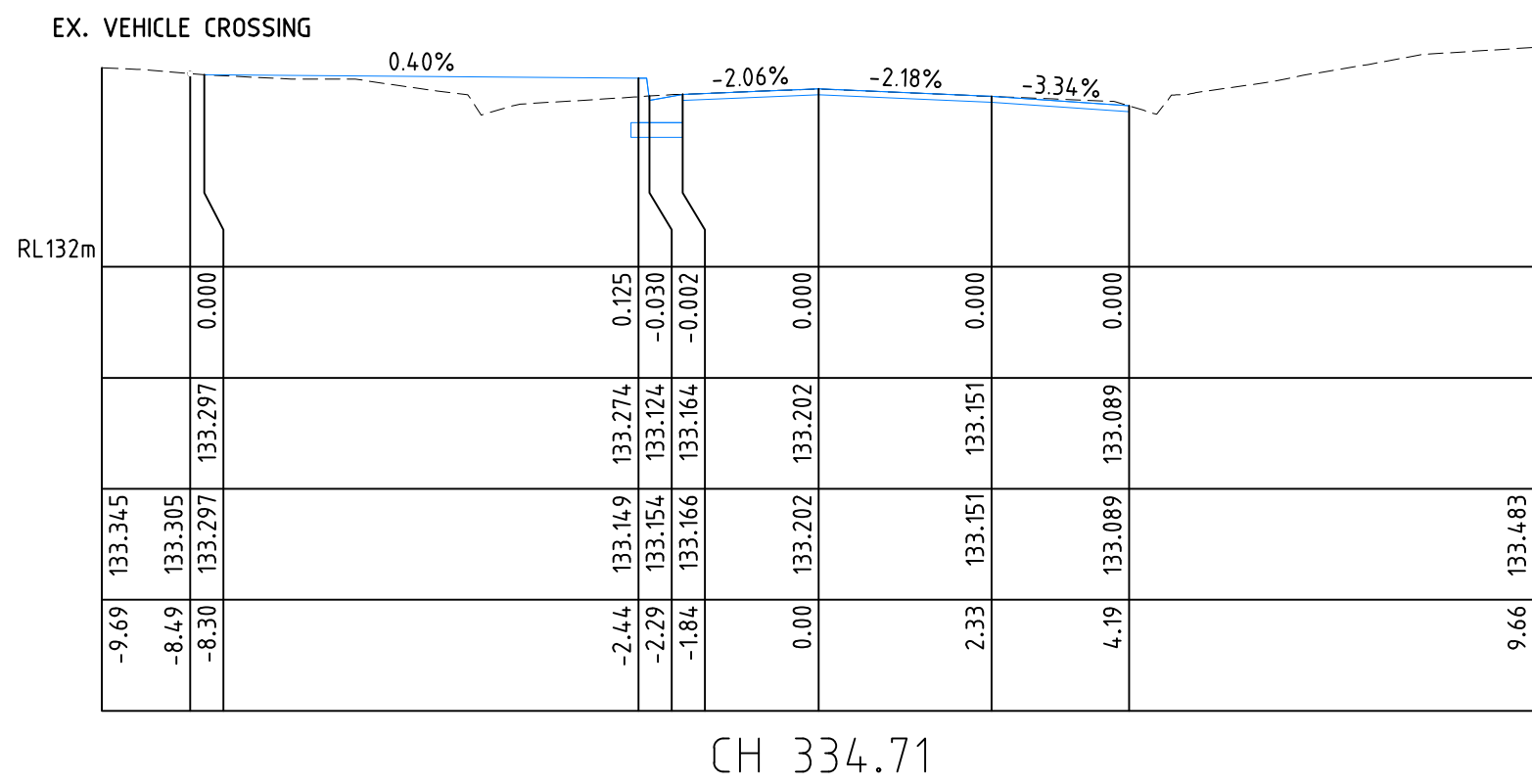
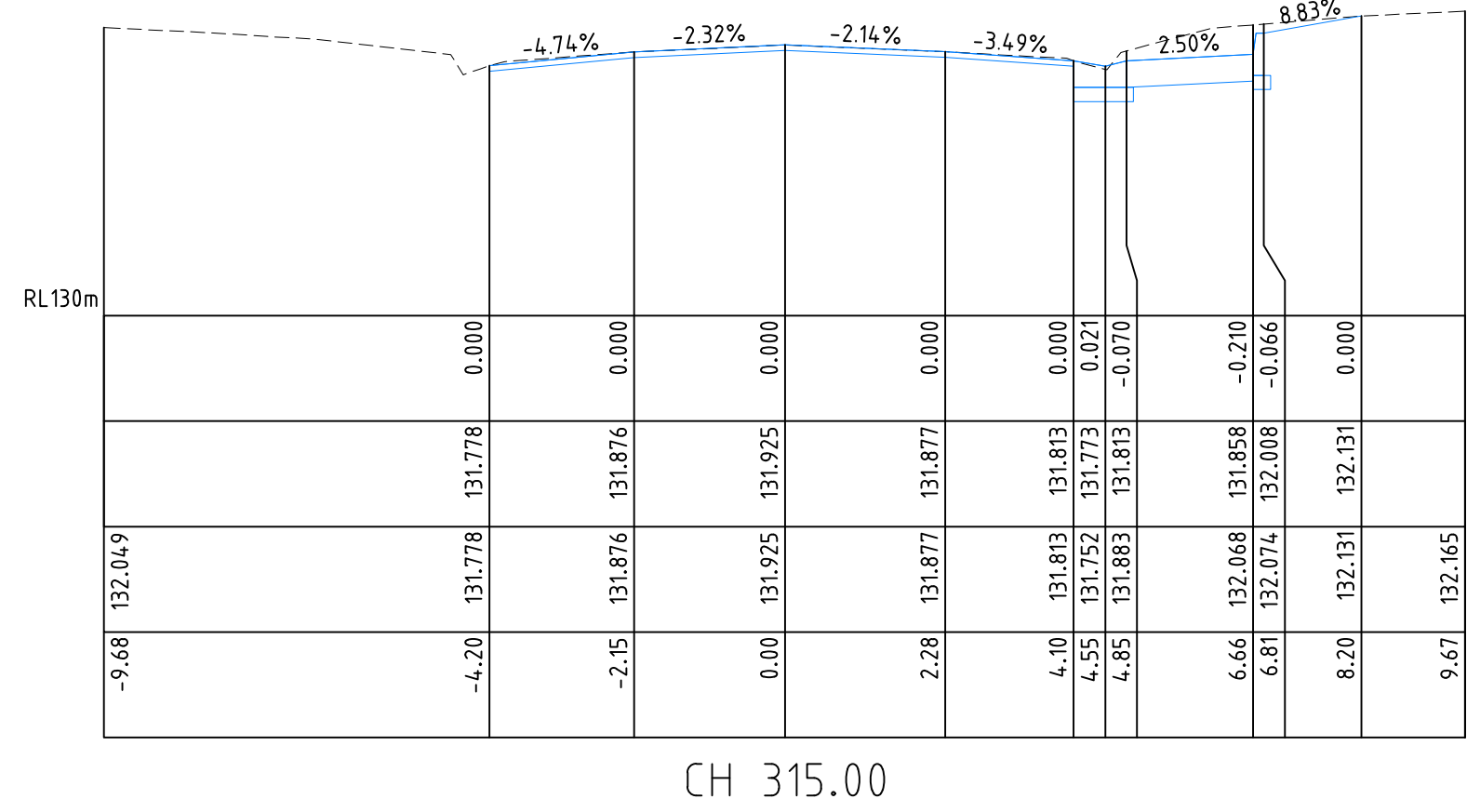
NO.	AMENDMENTS	DATE

CLIENT:

 Maroondah
City Council

MULLUM MULLUM ROAD, RINGWOOD
LATM TREAMENTS
REFERENCE LINE 1 CROSS SECTIONS

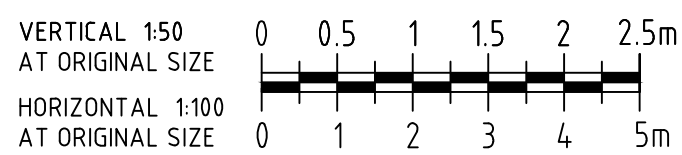
CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 22 OF 36	SIZE: A1



WARNING
BEWARE OF UNDERGROUND SERVICES
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NOTE:
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LEGEND	TOF	EX TELSTRA OPTIC FIBRE	HPG	EX HIGH PRESSURE GAS MAIN
	T	EX TELSTRA CABLE & PIT	S	EX SEWER & PIT
	W	EX WATER MAIN	ABW	EX ABANDONED WATER MAIN
	G	EX GAS MAIN	ABG	EX ABANDONED GAS MAIN
	E	EX U/G ELECTRICITY CABLE	E	EX O/H ELECTRICITY CABLE
	O	EX OPTUS CABLE	HD	HOUSE DRAIN
	STOP VALVE	STOP VALVE		
	FIRE PLUG	FIRE PLUG		
	FIRE HYDRANT (ABOVE GROUND)	FIRE HYDRANT (ABOVE GROUND)		
	FIRE HYDRANT (GROUND LEVEL)	FIRE HYDRANT (GROUND LEVEL)		
	ELECTRICITY SUPPLY POLE	ELECTRICITY SUPPLY POLE		
	E.S.P. WITH LIGHT	E.S.P. WITH LIGHT		
	LIGHT POLE ONLY	LIGHT POLE ONLY		
	TELECOM PILLAR	TELECOM PILLAR		
	EXISTING POST	EXISTING POST		
	TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL		
	TS	TRAFFIC SIGNAL POLE		
	FENCE	FENCE		
	EX. SIGN	EX. SIGN		
	EXISTING BOLLARD	EXISTING BOLLARD		
	RUBBISH BIN	RUBBISH BIN		
	PSM	PSM		
	STN/TBM	STN/TBM		
	EX DRAIN & PIT	EX DRAIN & PIT		
	PROPOSED DRAIN & PIT	PROPOSED DRAIN & PIT		
	LIMIT OF WORKS	LIMIT OF WORKS		
	UNCLASSIFIED PIT	UNCLASSIFIED PIT		
	TREE	TREE		
	NO.	AMENDMENTS		
	DATE	DATE		

CRE
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Civil • Municipal • Drainage • Project Management
Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

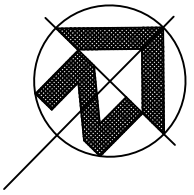
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DATE : OCT 2025
CHECKED :
DATE :
SURVEYED : BN
DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.
SCALES : AS SHOWN @A1

CLIENT:
Maroondah
City Council

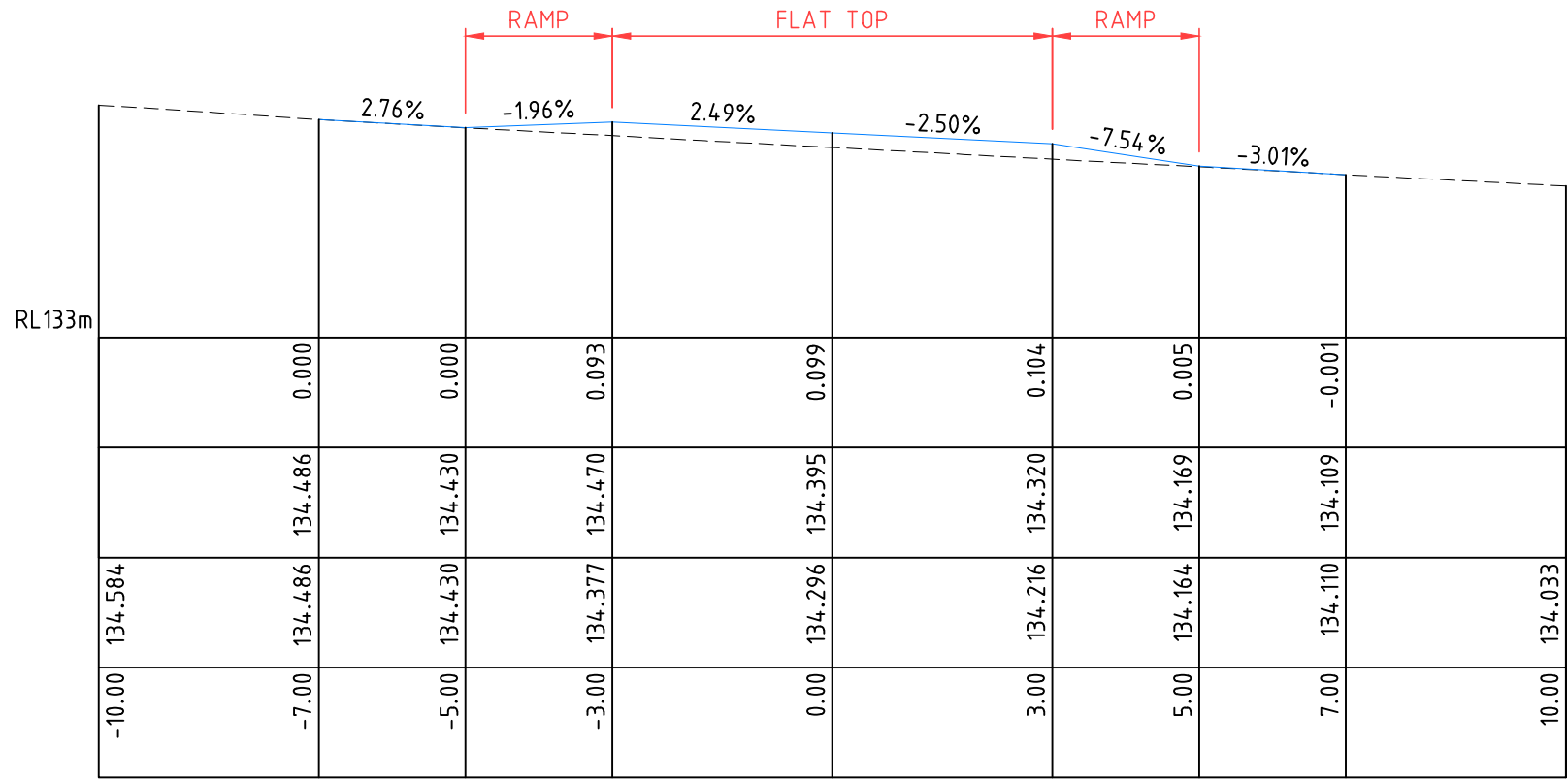
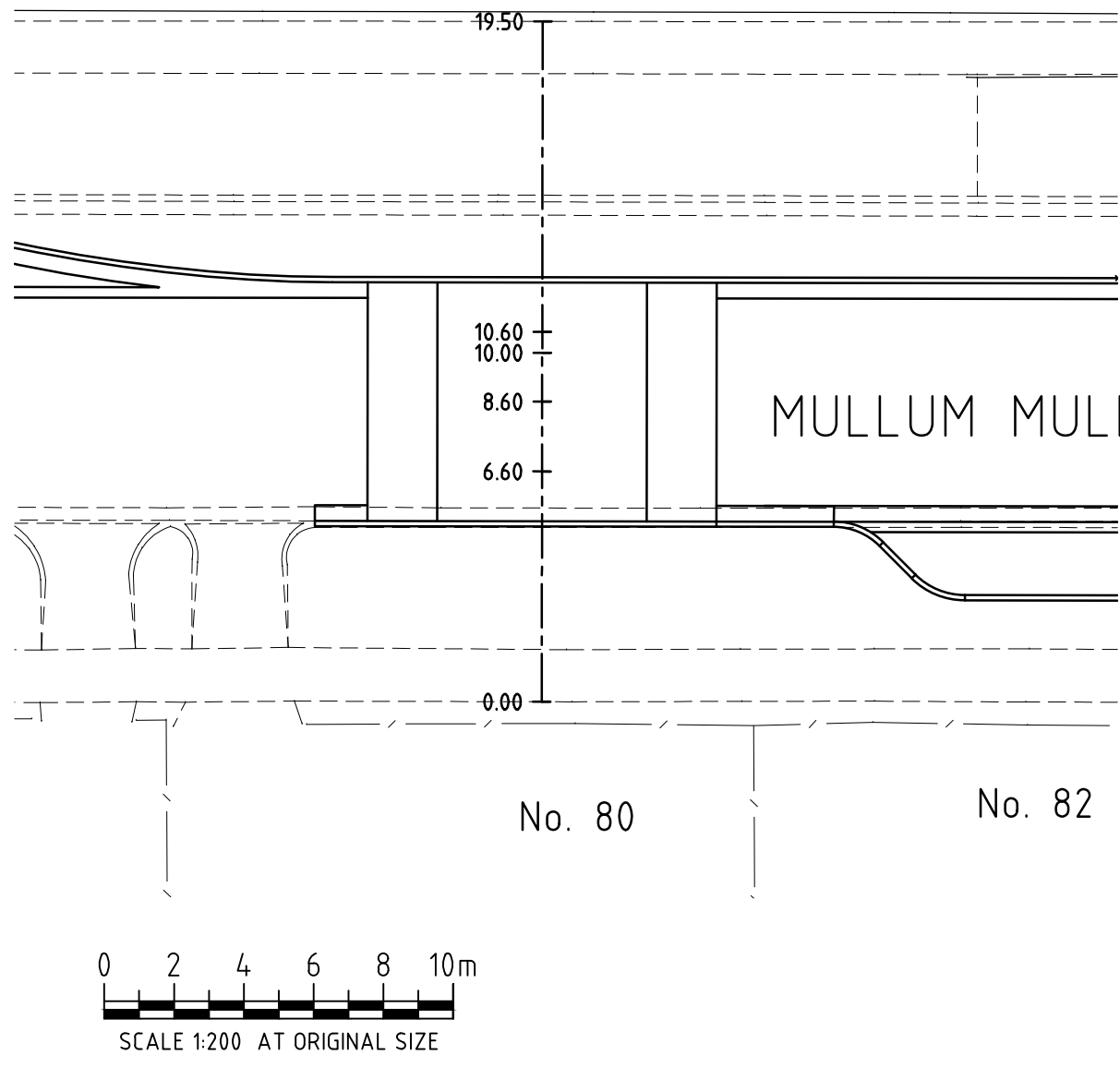
MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
REFERENCE LINE 1 CROSS SECTIONS

TENDER ISSUE
CRE REF: 3256-(REV-P9).DWG
CRE REV. NO.: P9
AMEND. NO.: -
DWG. NO. **3256**
SHEET: 24 OF 36
SIZE: A1

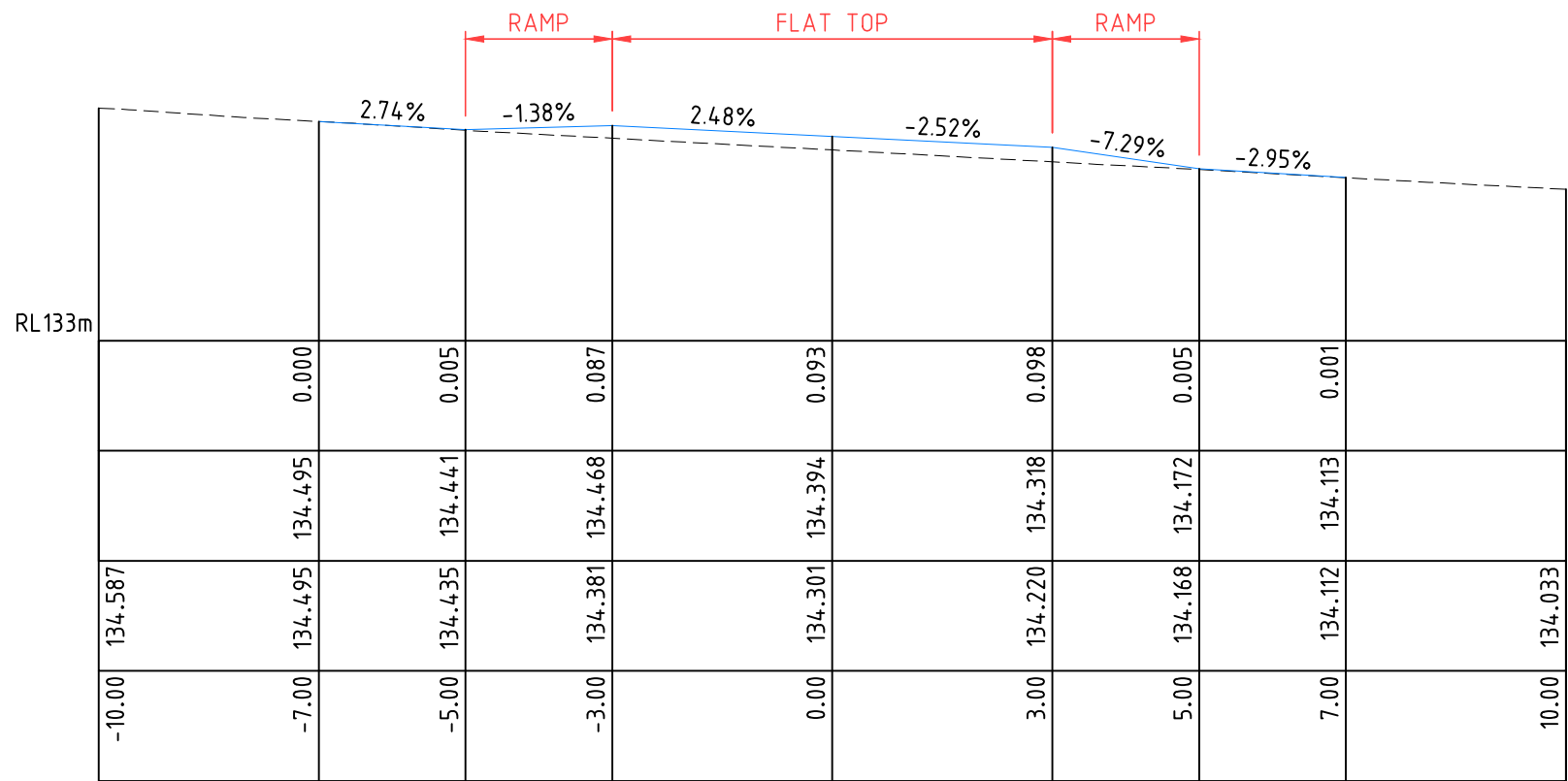
SETOUT DETAILS		
CHAINAGE	EASTING	NORTHING
0 00	344984.794	5814776.614
6 60	344980.176	5814781.329
8 60	344978.776	5814782.757
10 60	344977.377	5814784.186
19 50	344971.151	5814790.541



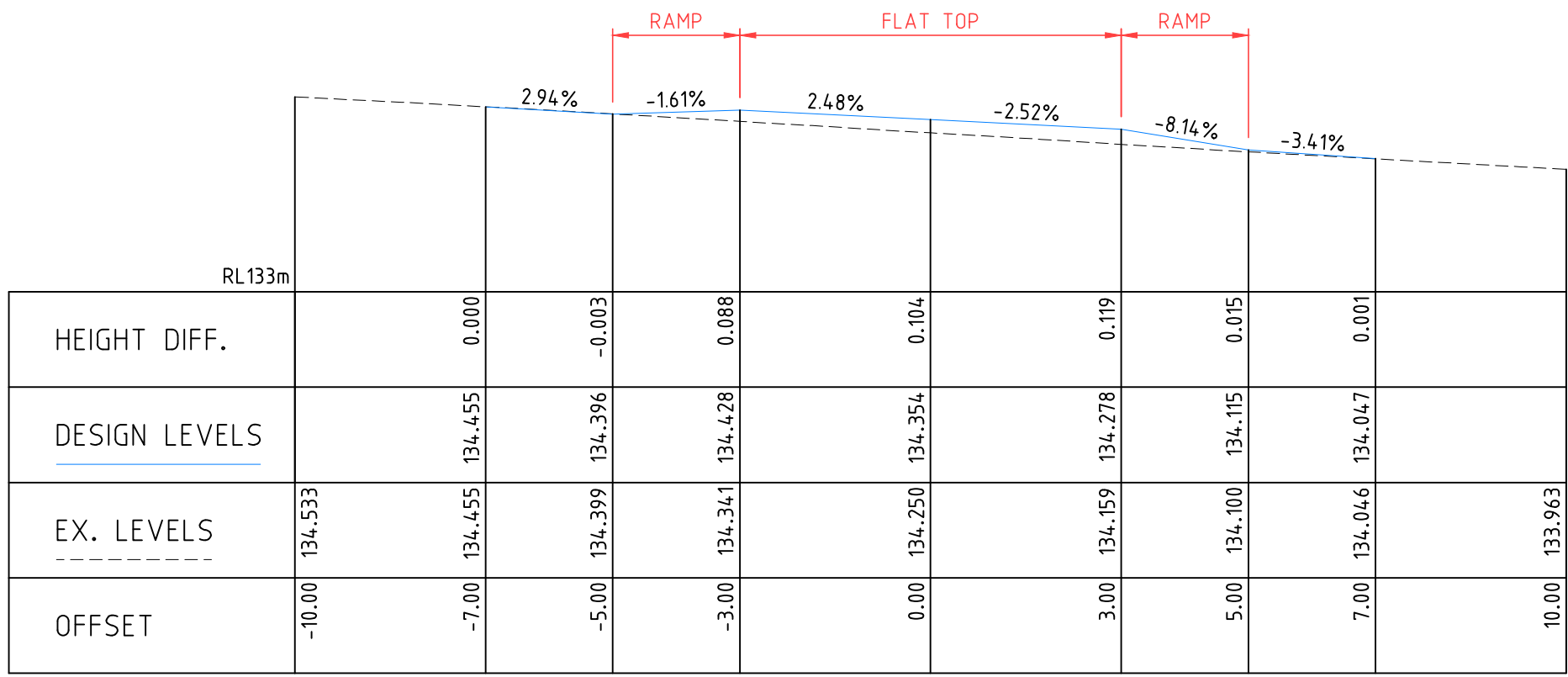
NORWOOD SECONDARY COLLEGE



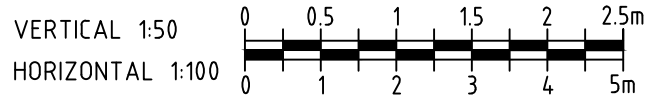
CH 10.60



CH 8.60



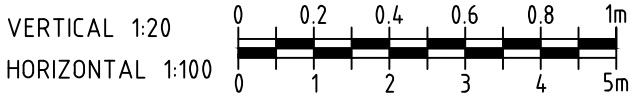
CH 6.60



WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES
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PRIOR TO ANY EXCAVATION WORKS.



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LEGEND		TOF EX TELSTRA OPTIC FIBRE		HPC EX HIGH PRESSURE GAS MAIN							
T		EX TELSTRA CABLE & PIT		STOP VALVE	TS		TRAFFIC SIGNAL PIT, CABLE, PEDESTAL				
S		EX SEWER & PIT		FIRE PLUG	+		TRAFFIC SIGNAL POLE		UNCLASSIFIED PIT		
W		EX WATER MAIN		FIRE HYDRANT (ABOVE GROUND)	- - - - -		FENCE		TREE		
ABW		EX ABANDONED WATER MAIN		FIRE HYDRANT (GROUND LEVEL)			EX. SIGN		LIMIT OF WORKS		
G		EX GAS MAIN		ELECTRICITY SUPPLY POLE			EXISTING BOLLARD				
ABG		EX ABANDONED GAS MAIN		E.S.P. WITH LIGHT			RUBBISH BIN		EX DRAIN & PIT		
E		EX U/G ELECTRICITY CABLE		LIGHT POLE ONLY			PROPOSED DRAIN & PIT				
E		EX O/H ELECTRICITY CABLE		TELECOM PILLAR							
O		EX OPTIC CABLE		EXISTING POST			PSM		STN/TM		
		EX HOUSE DRAIN									
					NO.	AMENDMENTS				DATE	



CORE CONSULTING ENGINEERS PTY LTD

Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

CLIENT:

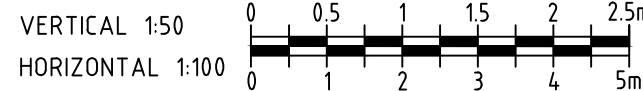
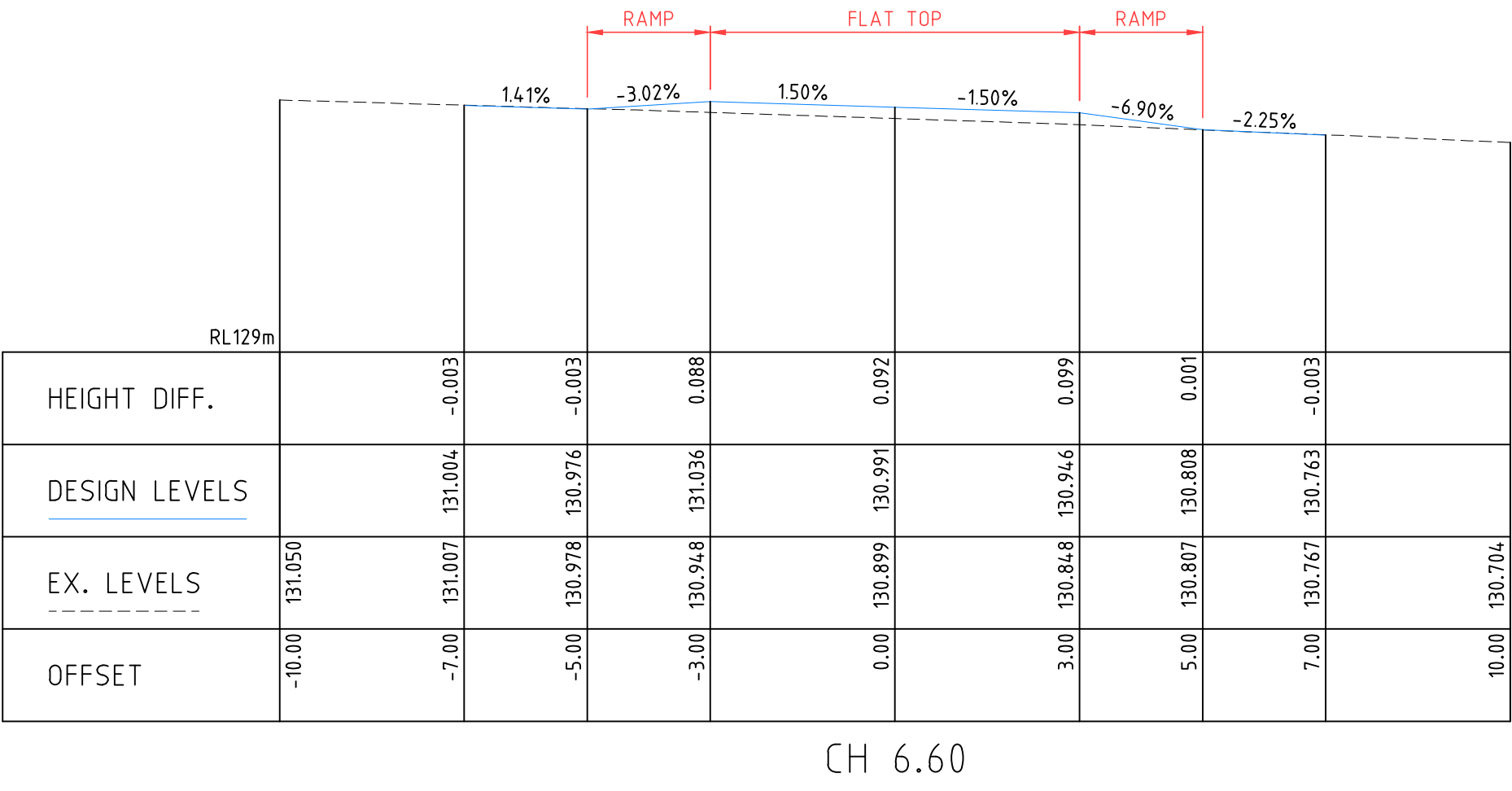
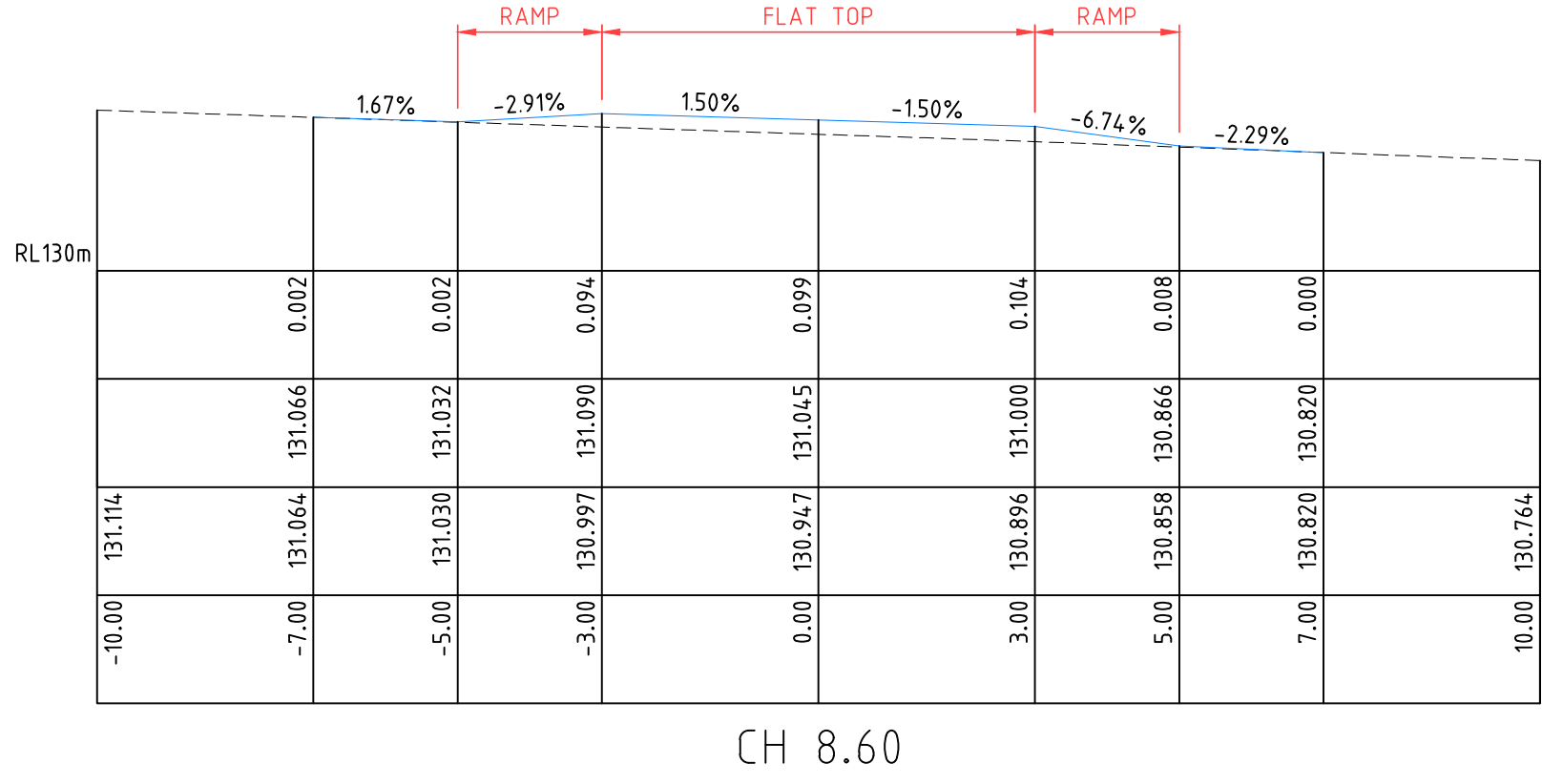
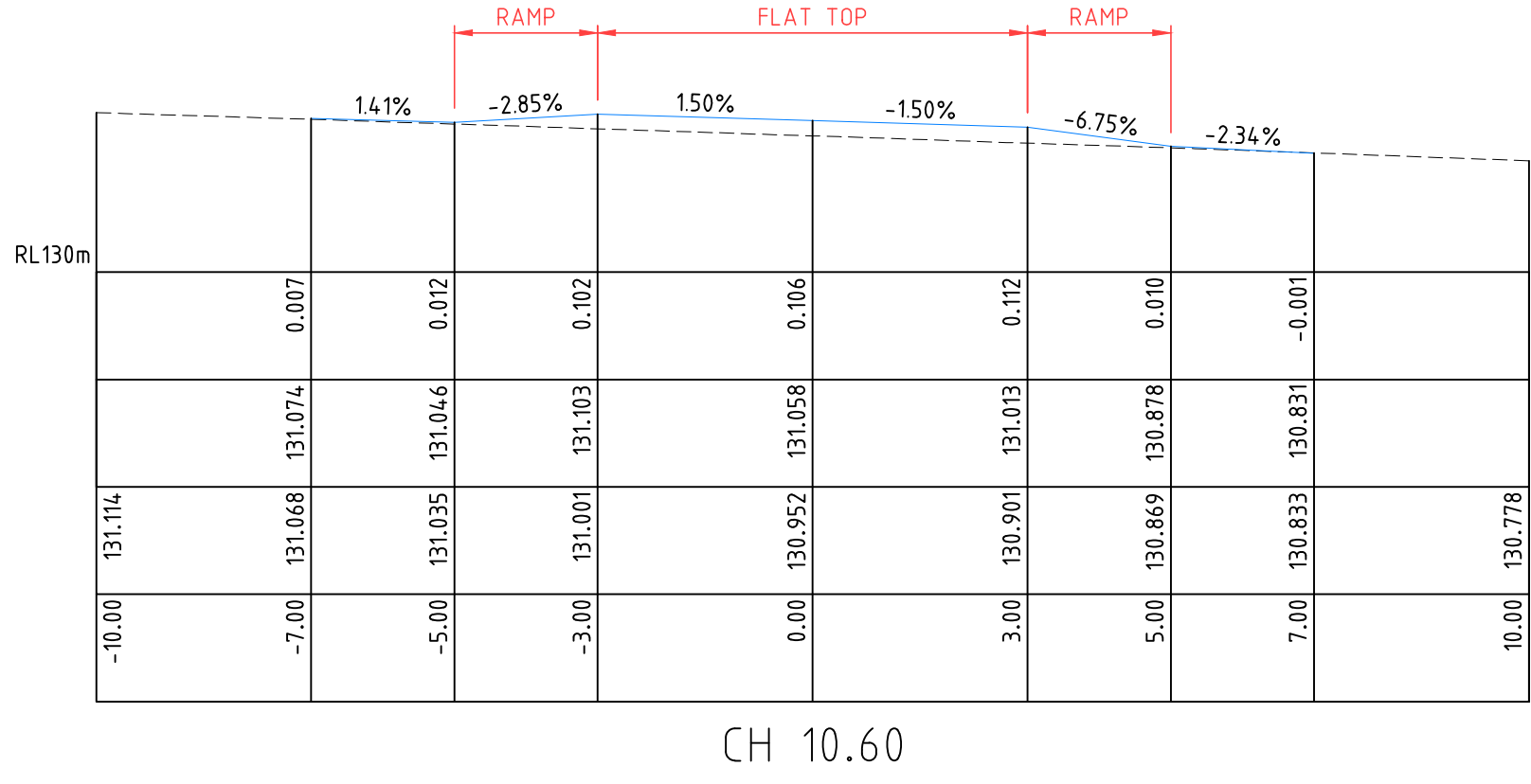
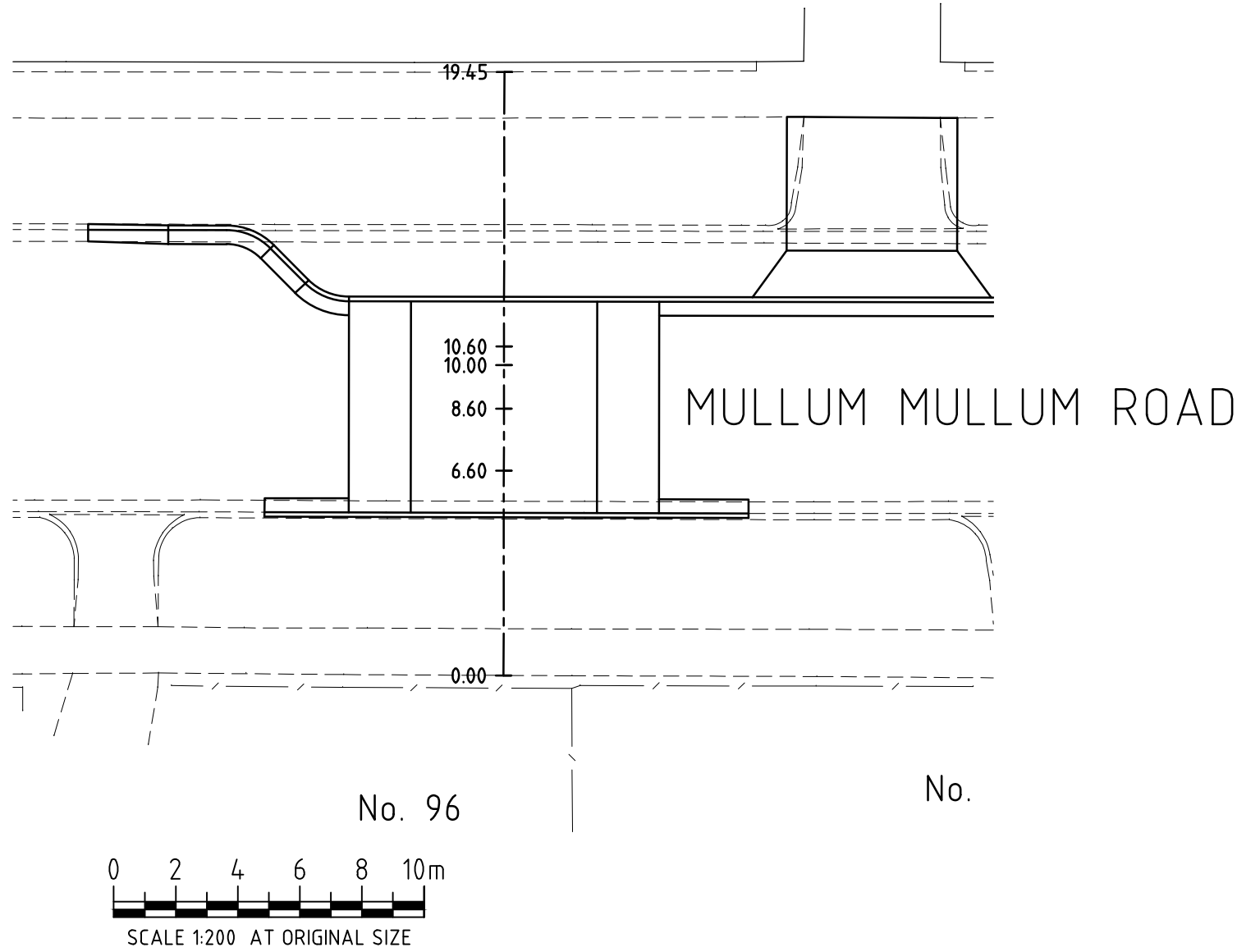


MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
REFERENCE LINE 2 LONGITUDINAL SECTION & CROSS SECTIONS

CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 25 OF 36	SIZE: A1

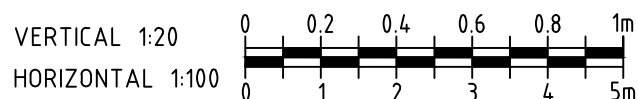
TENDER ISSUE

SETOUT DETAILS		
CHAINAGE	EASTING	NORTHING
0. 00	345095. 446	5814884. 954
6. 60	345090. 828	5814889. 669
8. 60	345089. 428	5814891. 097
10. 60	345088. 029	5814892. 526
19. 45	345081. 835	5814898. 849



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LEGEND	 EX TELSTRA OPTIC FIBRE  EX HIGH PRESSURE GAS MAIN		 STOP VALVE  TRAFFIC SIGNAL PIT, CABLE, PEDESTAL		NO.	AMENDMENTS	DATE
	 EX TELSTRA CABLE & PIT  EX SEWER & PIT  EX WATER MAIN  EX ABANDONED WATER MAIN  EX GAS MAIN  EX ABANDONED GAS MAIN  EX U/G ELECTRICITY CABLE  EX O/H ELECTRICITY CABLE  EX OPTUS CABLE  EX NBN CABLE	 FIRE PLUG  FIRE HYDRANT (ABOVE GROUND)  FIRE HYDRANT (GROUND LEVEL)  ELECTRICITY SUPPLY POLE  E.S.P. WITH LIGHT  LIGHT POLE ONLY  TELECOM PILLAR  EXISTING POST	 EXISTING BOLLARD  EXISTING BIN  EXISTING PSM  EXISTING STN/TEM	 UNCLASSIFIED PIT  FENCE  EX. SIGN  TREE  LIMIT OF WORKS  EX DRAIN & PIT  PROPOSED DRAIN & PIT			



DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

CLIENT:

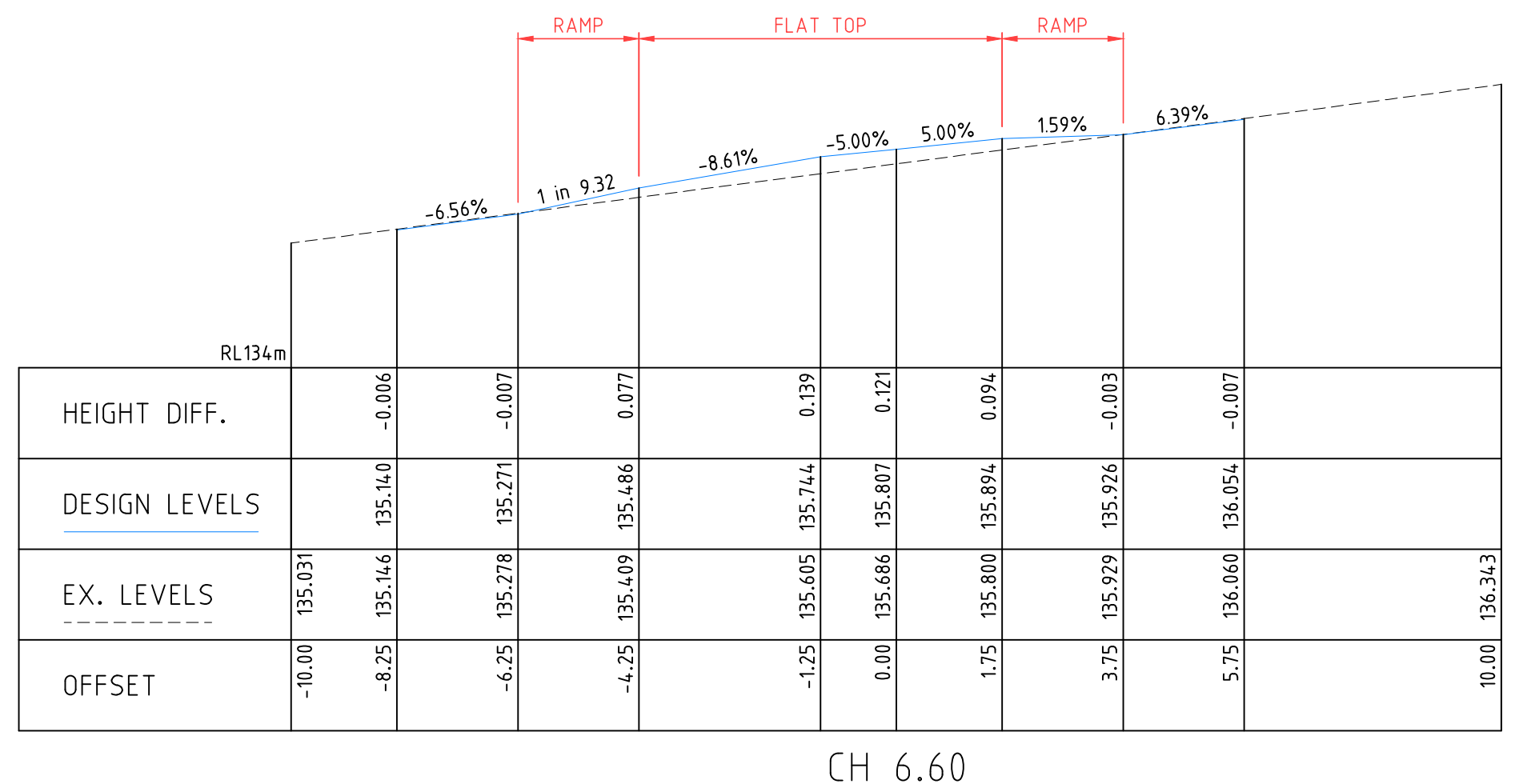
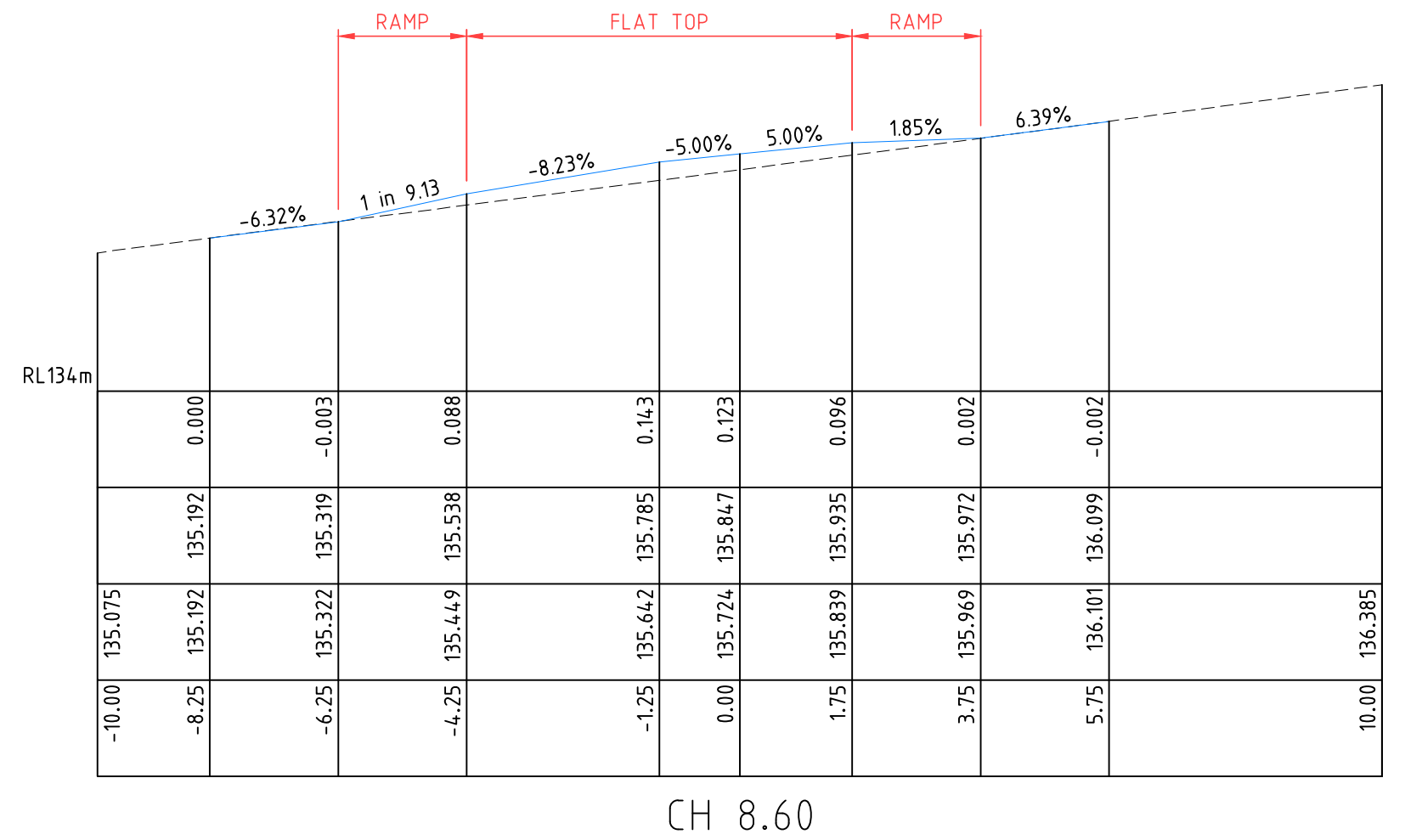
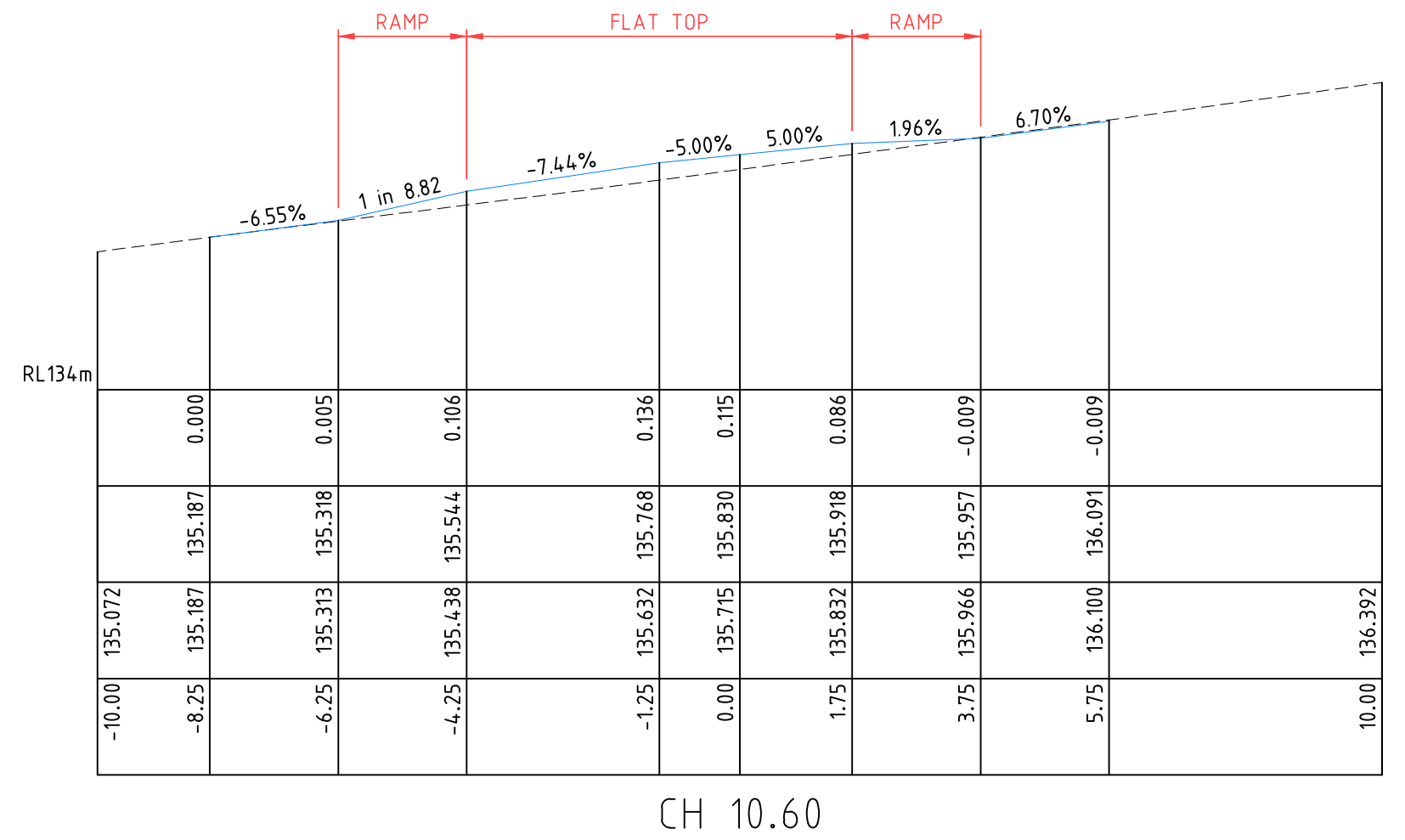
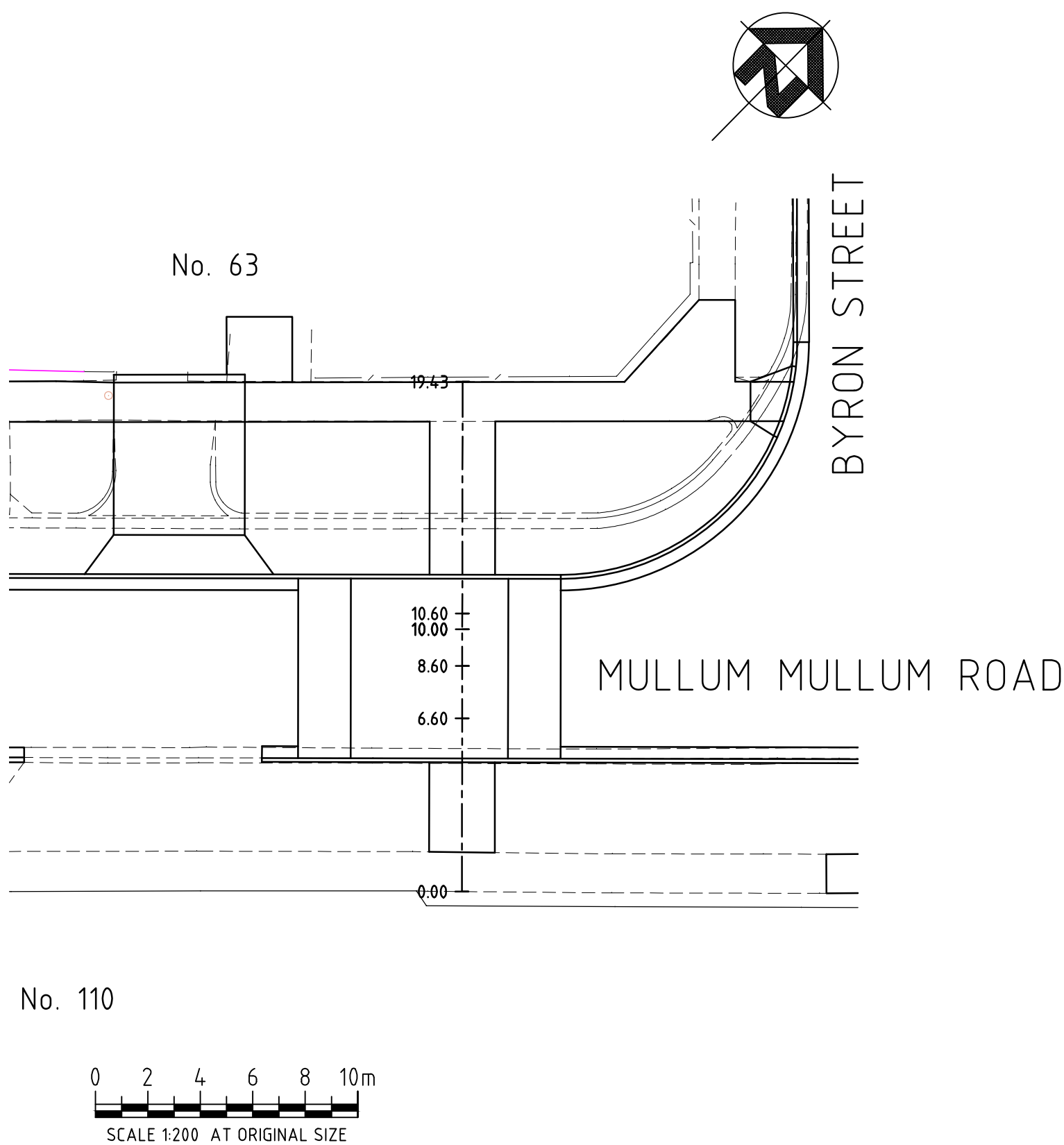
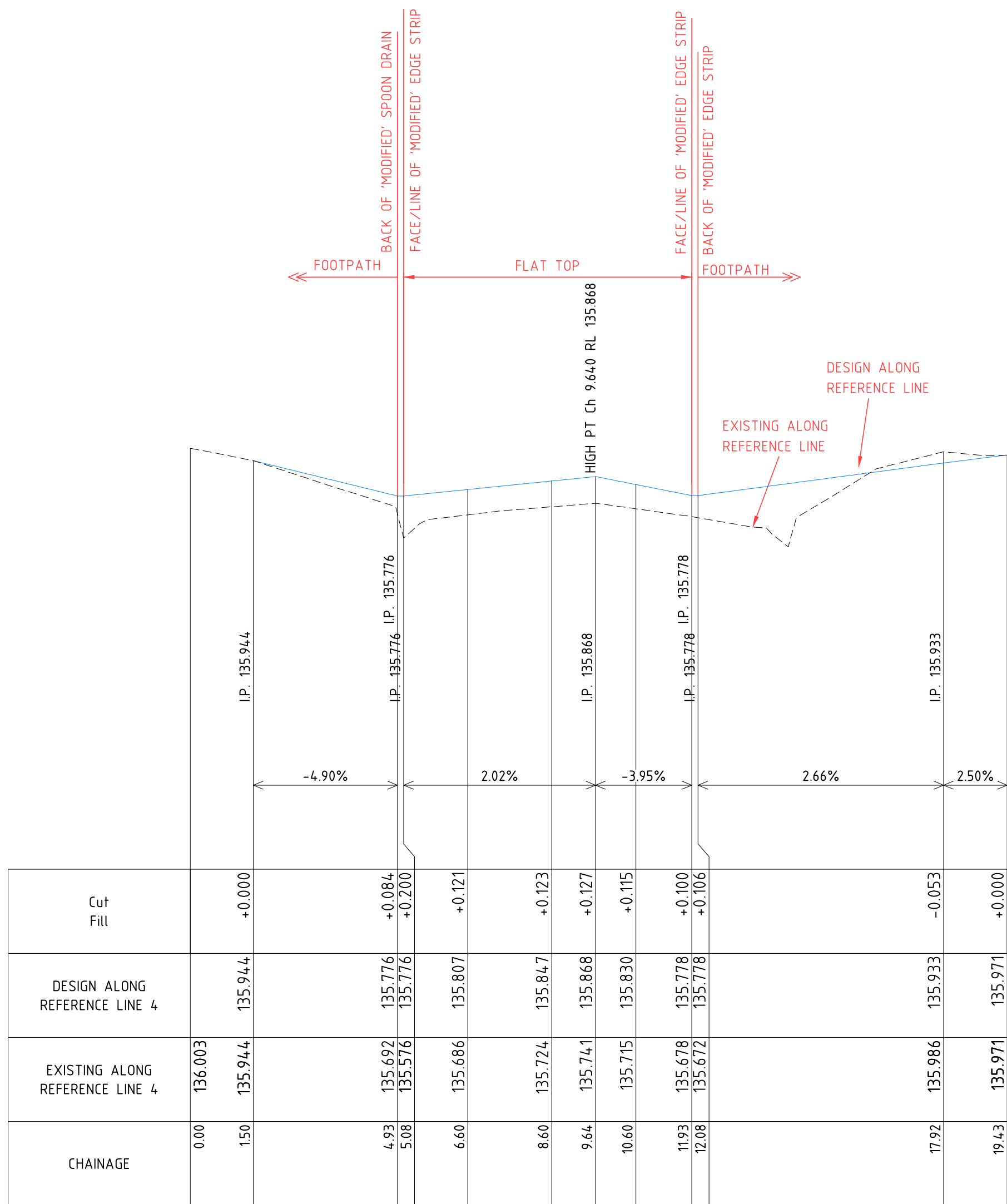
 Maroondah
City Council

MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
REFERENCE LINE 3 LONGITUDINAL SECTION & CROSS SECTIONS

CRE REF: 3256-(REV-P9).DWG
 CRE REV. NO.: P9
 AMEND. NO.: -
 DWG.NO. **3256**
 SHEET: 26 OF 36 SIZE: A1

TENDER ISSUE

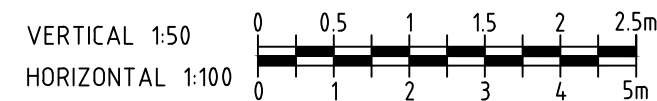
SETOUT DETAILS		
CHAINAGE	EASTING	NORTHING
0.00	345190.850	5814978.581
6.60	345186.231	5814983.295
8.60	345184.832	5814984.724
10.60	345183.432	5814986.153
19.43	345177.252	5814992.461



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LEGEND	SYMBOLS		DESCRIPTION
	SYMBOL	DESCRIPTION	
EXISTING	—T—	EX TELSTRA CABLE & PIT	STOP VALVE
	—S—	EX SEWER & PIT	
	—W—	EX WATER MAIN	
	—ABW—	EX ABANDONED WATER MAIN	
	—G—	EX GAS MAIN	
	—ABG—	EX ABANDONED GAS MAIN	
	—E—	EX U/G ELECTRICITY CABLE	
	—E—	EX O/H ELECTRICITY CABLE	
	—O—	EX OPTUS CABLE	
	—HD—	EX HOUSE DRAIN	
NEW	—TS—	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL	FIRE PLUG
	—CJ—	UNCLASSIFIED PIT	
	—EX—	EX SIGN	
	—LIMIT—	LIMIT OF WORKS	
	—EXISTING—	EXISTING BOLLARD	
	—RUBBISH—	RUBBISH BIN	
	—PSM—	PROPOSED DRAIN & PIT	
	—STN/TBM—	STATION/TUNNEL BORE MACHINE	
	—E.S.P.—	E.S.P. WITH LIGHT	
	—LIGHT—	LIGHT POLE ONLY	
NEW	—E.S.P.—	E.S.P. WITH LIGHT	TELECOM PILLAR
	—LIGHT—	LIGHT POLE ONLY	
	—TELECOM—	TELECOM PILLAR	
	—EXISTING—	EXISTING POST	
	—STOP—	STOP VALVE	
	—FIRE—	FIRE PLUG	
	—HYDRANT—	FIRE HYDRANT (ABOVE GROUND)	
	—HYDRANT—	FIRE HYDRANT (GROUND LEVEL)	
	—ELECTRICITY—	ELECTRICITY SUPPLY POLE	
	—E.S.P.—	E.S.P. WITH LIGHT	
NEW	—E.S.P.—	E.S.P. WITH LIGHT	LIGHT POLE ONLY
	—LIGHT—	LIGHT POLE ONLY	
	—TELECOM—	TELECOM PILLAR	
	—EXISTING—	EXISTING POST	
	—STOP—	STOP VALVE	
	—FIRE—	FIRE PLUG	
	—HYDRANT—	FIRE HYDRANT (ABOVE GROUND)	
	—HYDRANT—	FIRE HYDRANT (GROUND LEVEL)	
	—ELECTRICITY—	ELECTRICITY SUPPLY POLE	
	—E.S.P.—	E.S.P. WITH LIGHT	
NEW	—E.S.P.—	E.S.P. WITH LIGHT	LIGHT POLE ONLY
	—LIGHT—	LIGHT POLE ONLY	
	—TELECOM—	TELECOM PILLAR	
	—EXISTING—	EXISTING POST	
	—STOP—	STOP VALVE	
	—FIRE—	FIRE PLUG	
	—HYDRANT—	FIRE HYDRANT (ABOVE GROUND)	
	—HYDRANT—	FIRE HYDRANT (GROUND LEVEL)	
	—ELECTRICITY—	ELECTRICITY SUPPLY POLE	
	—E.S.P.—	E.S.P. WITH LIGHT	

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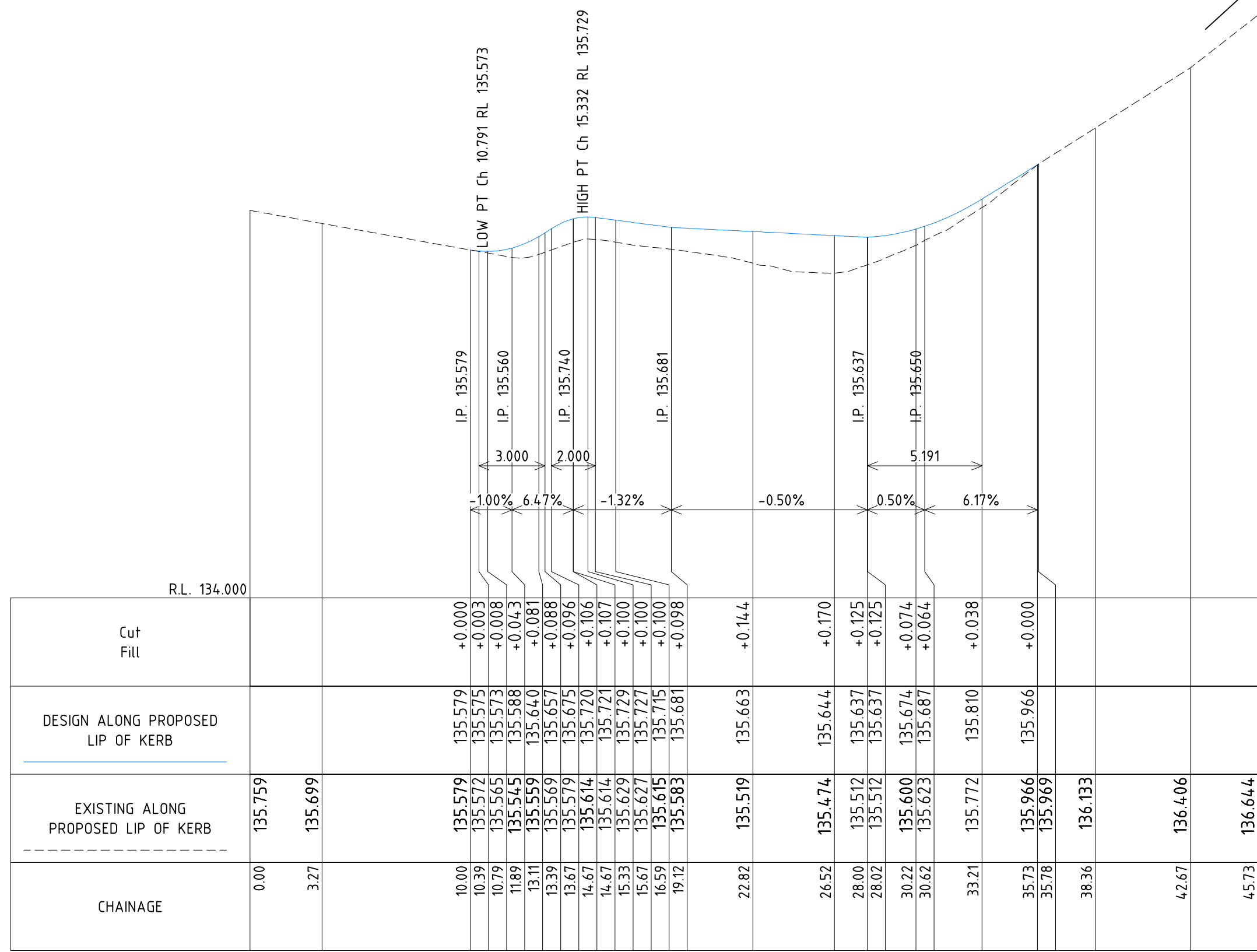
DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

Maroondah City Council

MULLUM MULLUM ROAD, RINGWOOD LATM TREATMENTS	
REFERENCE LINE 4 LONGITUDINAL SECTION & CROSS SECTIONS	
CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG. NO. 3256	
SHEET: 27 OF 36	SIZE: A1

TENDER ISSUE

SETOUT DETAILS			
CHAINAGE	EASTING	NORTHING	REMARKS
10.00	344938.567	5814750.716	LIP OF KERB (MATCH EX)
11.89	344939.925	5814752.029	LIP OF KERB
13.11	344941.028	5814752.474	LIP OF KERB
14.67	344942.586	5814752.458	LIP OF KERB
16.59	344944.326	5814753.158	LIP OF KERB
19.12	344946.132	5814754.927	LIP OF KERB
22.82	344948.207	5814757.960	LIP OF KERB
26.52	344948.968	5814761.557	LIP OF KERB
30.22	344948.299	5814765.171	LIP OF KERB
35.73	344945.047	5814769.560	LIP OF KERB (MATCH EX)



VERTICAL 1:20
HORIZONTAL 1:200

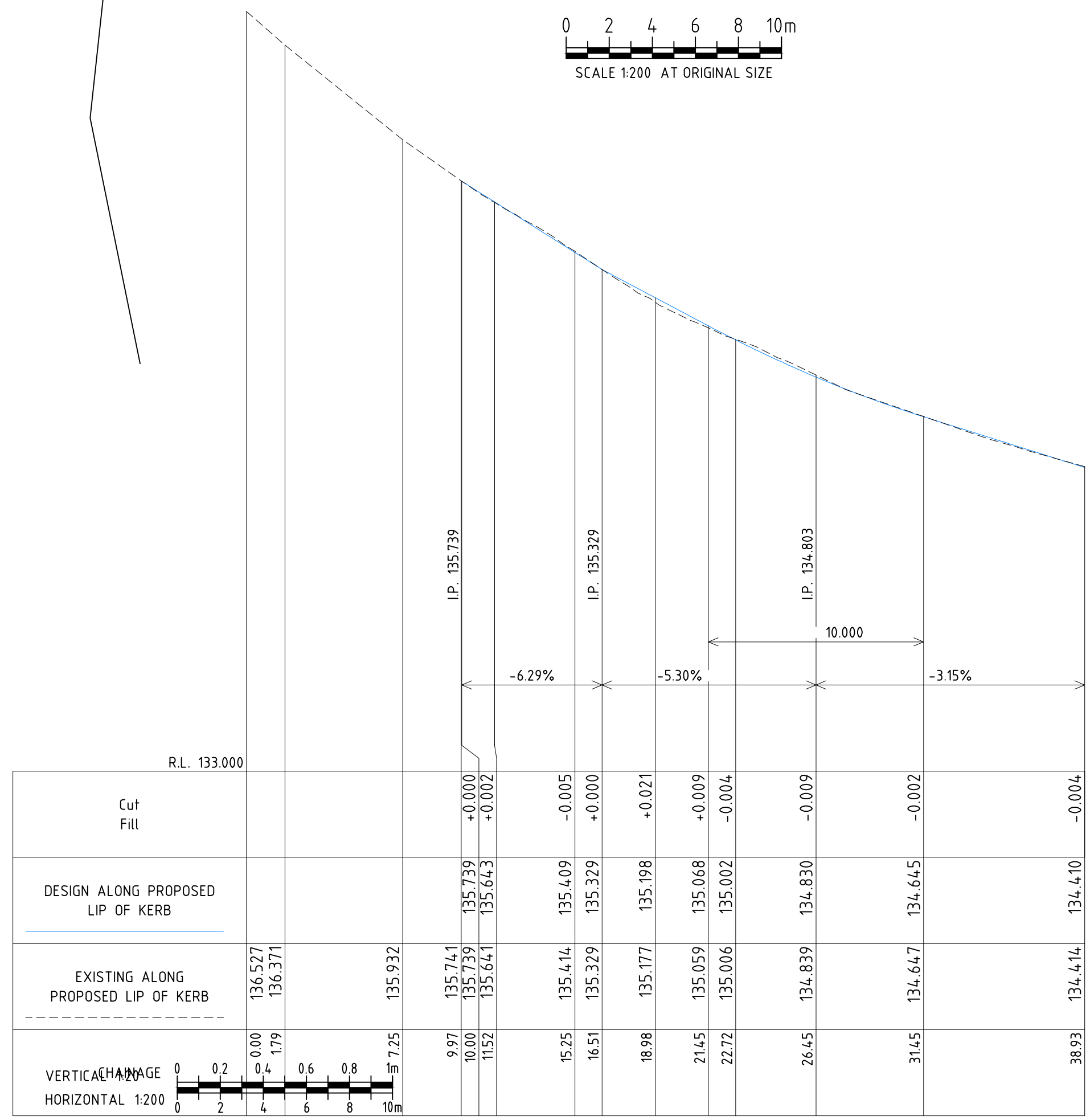
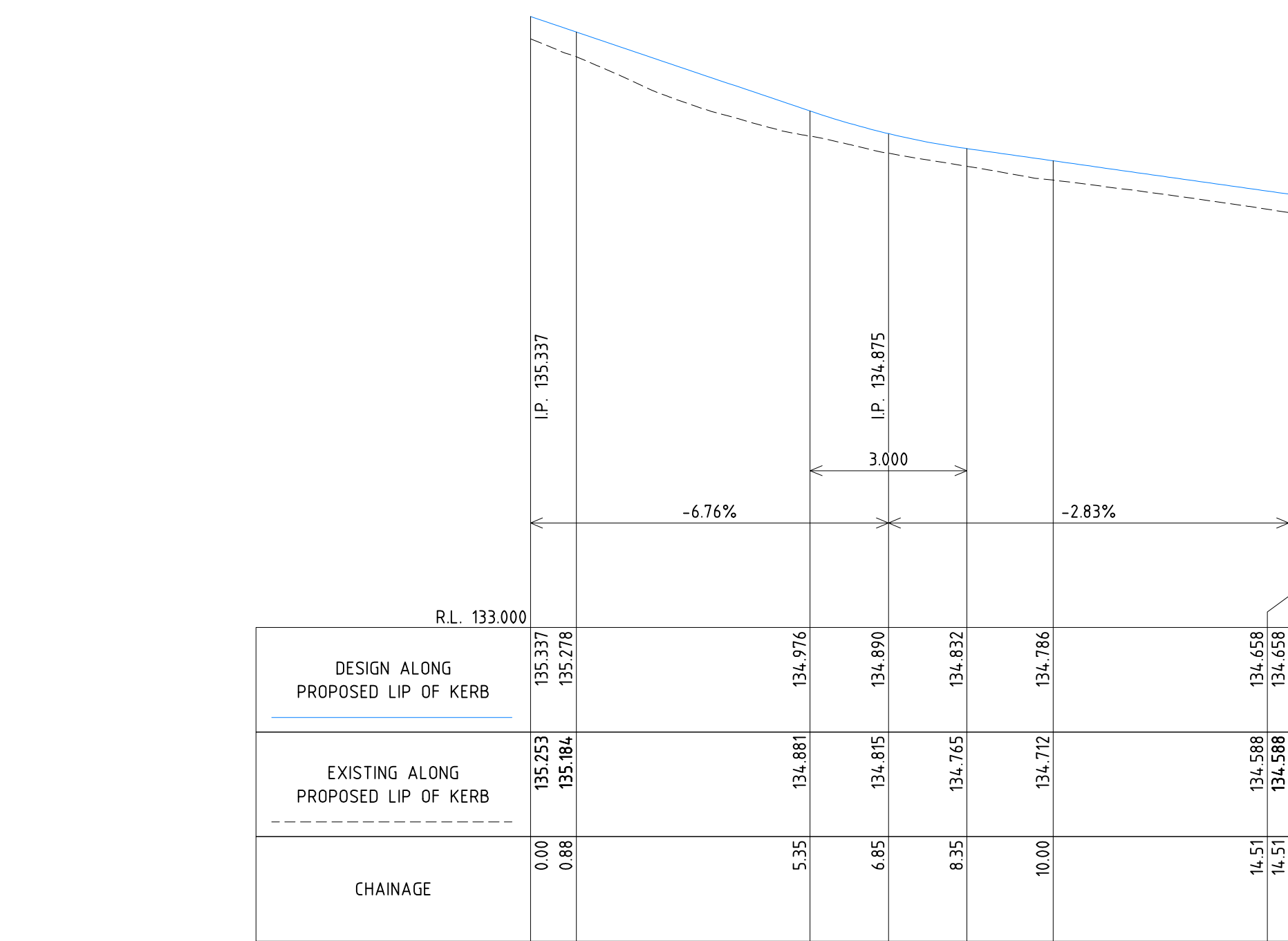


The graphic scale bar consists of two horizontal lines. The top line is labeled 'VERTICAL 1:20' and has major tick marks at 0, 0.2, 0.4, 0.6, 0.8, and 1m. The bottom line is labeled 'HORIZONTAL 1:200' and has major tick marks at 0, 2, 4, 6, 8, and 10m.

NO.	AMENDMENTS	DATE

DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1

CRE REF: 3256--(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 28 OF 36	SIZE: A1



VERTICAL 1:20
HORIZONTAL 1:200



The graphic scale bar consists of two horizontal lines. The top line is labeled 'VERTICAL 1:20' and has major tick marks at 0, 0.2, 0.4, 0.6, 0.8, and 1m. The bottom line is labeled 'HORIZONTAL 1:200' and has major tick marks at 0, 2, 4, 6, 8, and 10m. The segments between tick marks are alternating black and white.

No.	AMENDMENTS	DATE

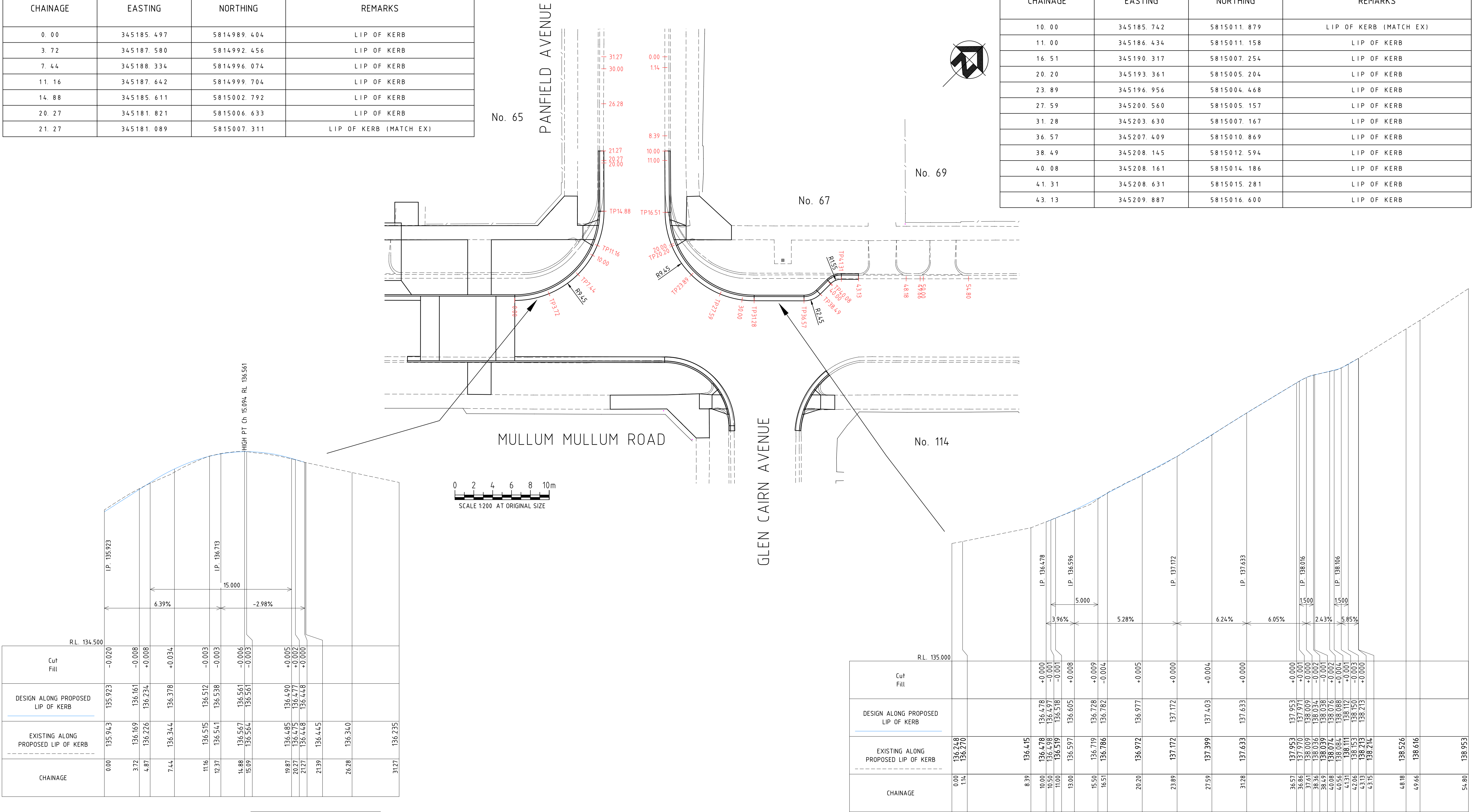
CLIENT:

The logo for Maroondah City Council features a stylized blue 'M' with a circular swoosh around it, followed by the text 'Maroondah' in a bold, blue, sans-serif font, and 'City Council' in a smaller, blue, sans-serif font below it.

CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG.NO. 3256	
SHEET: 29 OF 36	SIZE: A1

SETOUT DETAILS			
CHAINAGE	EASTING	NORTHING	REMARKS
0.00	345185.497	5814989.404	LIP OF KERB
3.72	345187.580	5814992.456	LIP OF KERB
7.44	345188.334	5814996.074	LIP OF KERB
11.16	345187.642	5814999.704	LIP OF KERB
14.88	345185.611	5815002.792	LIP OF KERB
20.27	345181.821	5815006.633	LIP OF KERB
21.27	345181.089	5815007.311	LIP OF KERB (MATCH EX)

SETOUT DETAILS			
CHAINAGE	EASTING	NORTHING	REMARKS
10.00	345185.742	5815011.879	LIP OF KERB (MATCH EX)
11.00	345186.434	5815011.158	LIP OF KERB
16.51	345190.317	5815007.254	LIP OF KERB
20.20	345193.361	5815005.204	LIP OF KERB
23.89	345196.956	5815004.468	LIP OF KERB
27.59	345200.560	5815005.157	LIP OF KERB
31.28	345203.630	5815007.167	LIP OF KERB
36.57	345207.409	5815010.869	LIP OF KERB
38.49	345208.145	5815012.594	LIP OF KERB
40.08	345208.161	5815014.186	LIP OF KERB
41.31	345208.631	5815015.281	LIP OF KERB
43.13	345209.887	5815016.600	LIP OF KERB



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LEGEND

TOP

EX TELSTRA OPTIC FIBRE

HPG

EX HIGH PRESSURE GAS MAIN

T

EX TELSTRA CABLE & PIT

S

EX SEWER & PIT

W

EX WATER MAIN

ABW

EX ABANDONED WATER MAIN

G

EX GAS MAIN

ABG

EX ABANDONED GAS MAIN

E

EX U/G ELECTRICITY CABLE

E

EX O/H ELECTRICITY CABLE

O

EX OPTUS CABLE

HD

EX HOUSE DRAIN

STOP VALVE

FIRE PLUG

FIRE HYDRANT (ABOVE GROUND)

FIRE HYDRANT (GROUND LEVEL)

ELECTRICITY SUPPLY POLE

E.S.P. WITH LIGHT

LIGHT POLE ONLY

TELECOM PILLAR

EXISTING POST

TS

TRAFFIC SIGNAL PIT, CABLE, PEDESTAL

TS

TRAFFIC SIGNAL POLE

FENCE

EX. SIGN

EXISTING BOLLARD

RUBBISH BIN

PSM

STN/TBM

UNCLASSIFIED PIT

TREE

LIMIT OF WORKS

EX DRAIN & PIT

PROPOSED DRAIN & PIT

NO.

AMENDMENTS

DATE

CRE CONSULTING ENGINEERS PTY LTD

Civil • Municipal • Drainage • Project Management

Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039

Phone: 0417 318 556

Email: admin@creconsulting.com.au

DESIGNED : CRE

DATE : OCT 2025

CHECKED : DATE :

SURVEYED : BN

DATE : MAY 2025

SURVEY DATUM : A.H.D. / M.G.A.

SCALES : AS SHOWN

©A1

CLIENT:

MULLUM MULLUM ROAD, RINGWOOD

LATM TREATMENTS

KERB RETURN LONGITUDINAL SECTIONS

CRE REF: 3256-(REV-P9).DWG

CRE REV. NO.: P9

AMEND. NO.: -

DWG.NO. 3256

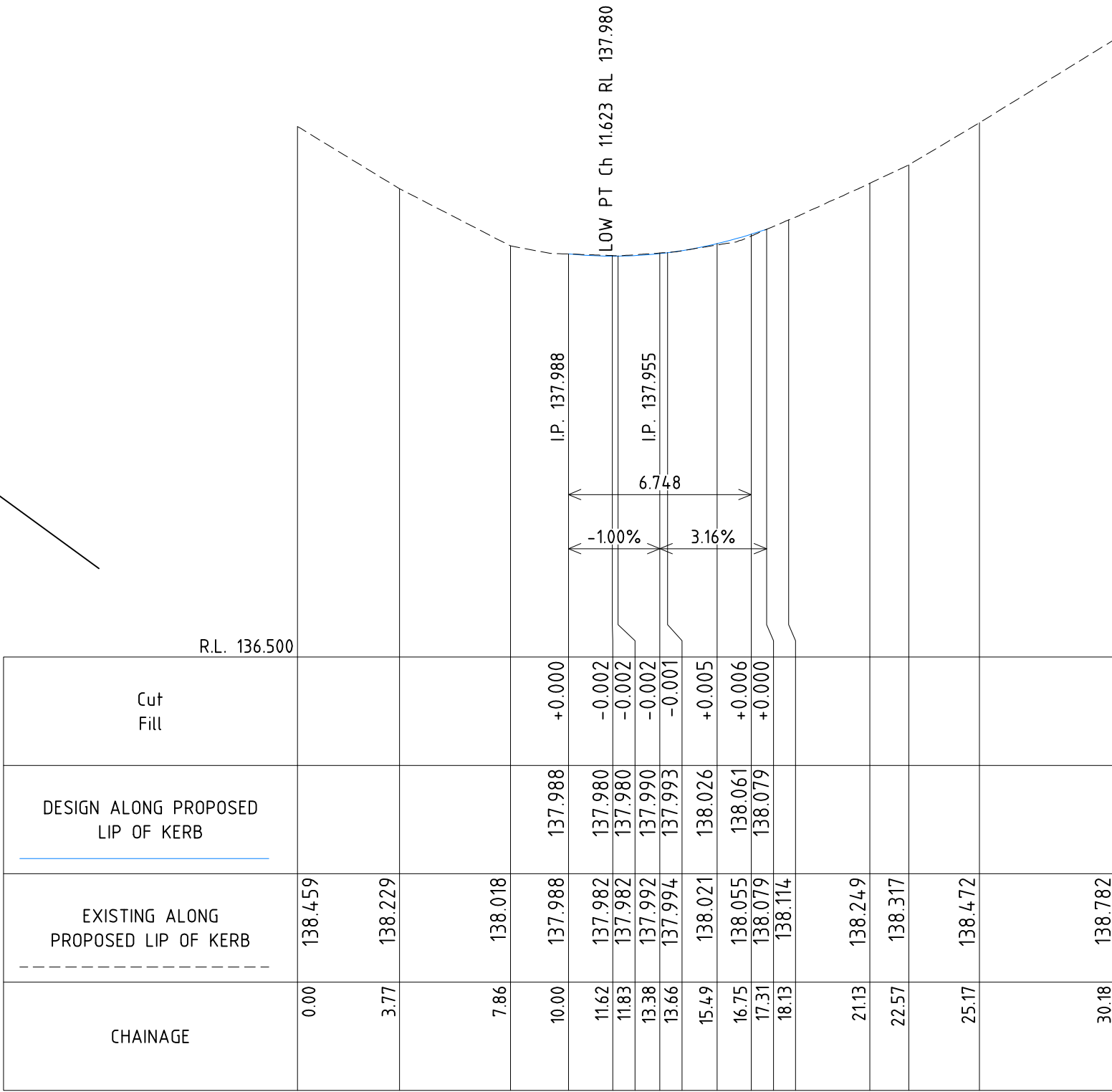
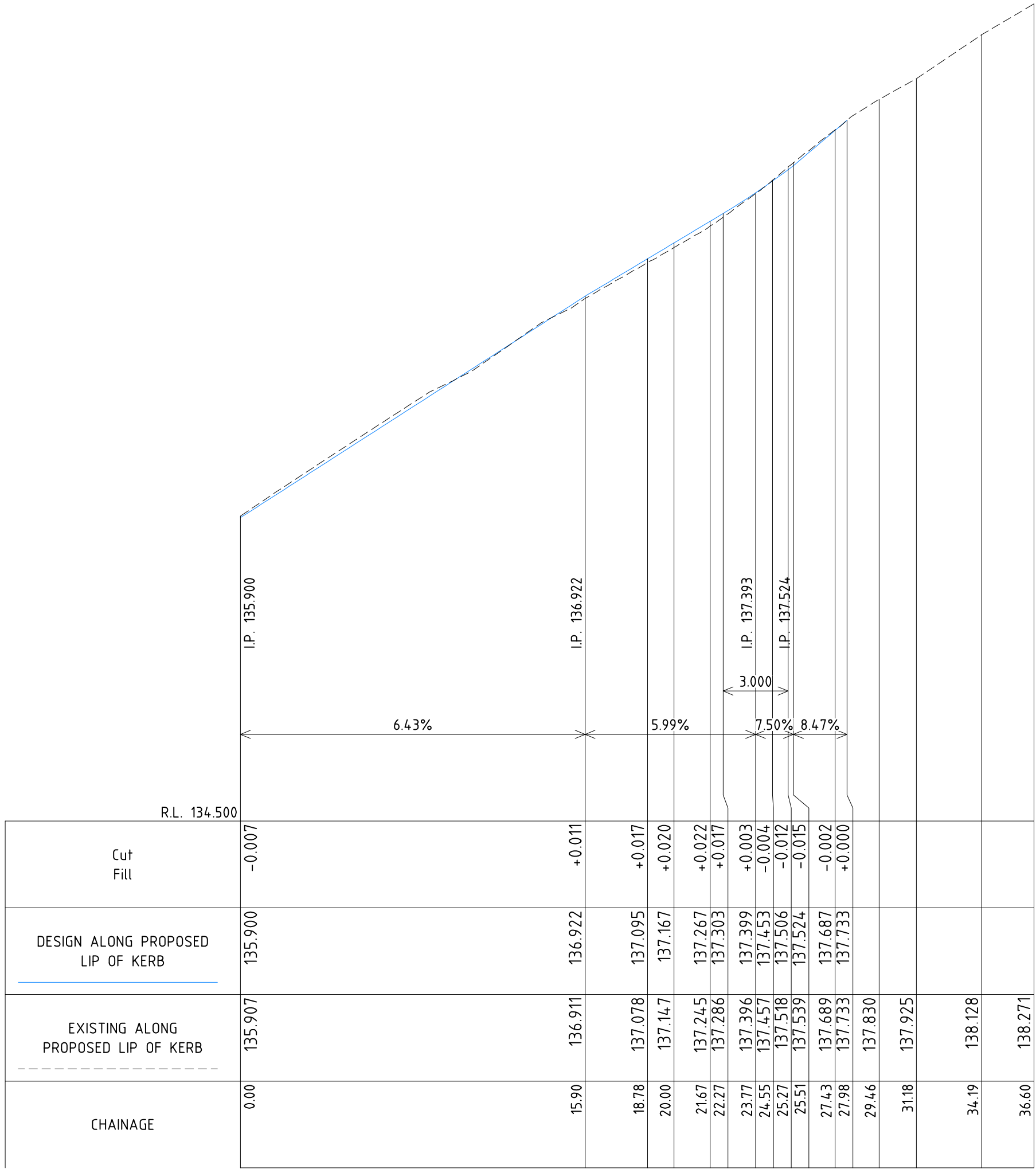
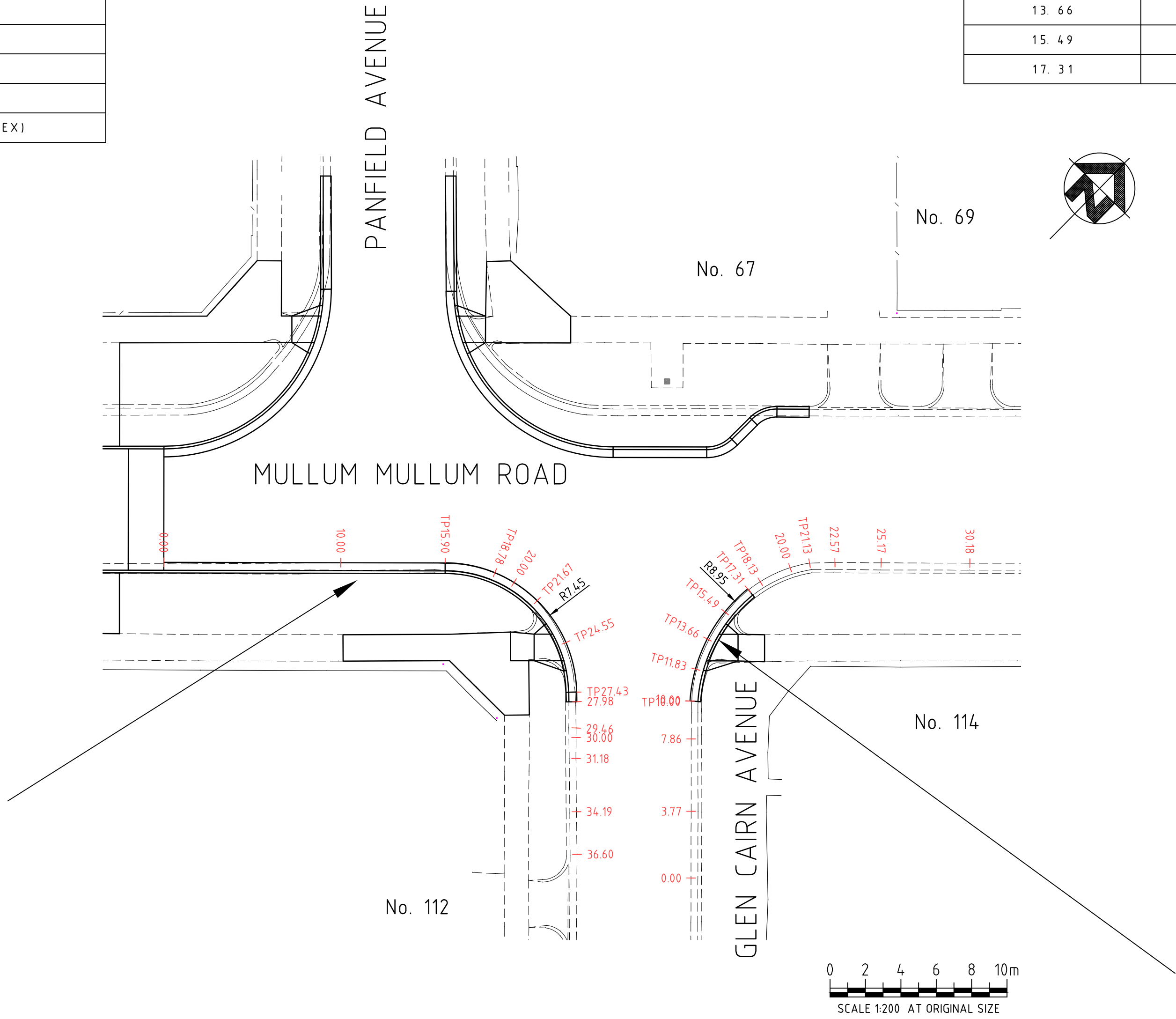
SHEET: 30 OF 36

SIZE: A1

TENDER ISSUE

SETOUT DETAILS			
CHAINAGE	EASTING	NORTHING	REMARKS
0.00	345189.664	5814985.150	LIP OF KERB
15.90	345201.031	5814996.268	LIP OF KERB
18.78	345203.426	5814997.840	LIP OF KERB
20.00	345204.585	5814998.206	LIP OF KERB
21.67	345206.237	5814998.392	LIP OF KERB
24.55	345209.049	5814997.843	LIP OF KERB
27.43	345211.445	5814996.273	LIP OF KERB
27.98	345211.837	5814995.891	LIP OF KERB (MATCH EX)

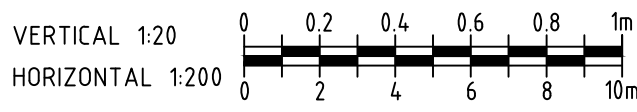
SETOUT DETAILS			
CHAINAGE	EASTING	NORTHING	REMARKS
10.00	345216.371	5815000.401	LIP OF KERB (MATCH EX)
11.83	345215.330	5815001.901	LIP OF KERB
13.66	345214.615	5815003.580	LIP OF KERB
15.49	345214.256	5815005.370	LIP OF KERB
17.31	345214.267	5815007.195	LIP OF KERB (MATCH EX)



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LEGEND	TOF EX TELSTRA OPTIC FIBRE		HPG EX HIGH PRESSURE GAS MAIN	
	TOF	EX TELSTRA OPTIC FIBRE	HPG	EX HIGH PRESSURE GAS MAIN
T	EX TELSTRA CABLE & PIT			
S	EX SEWER & PIT			
W	EX WATER MAIN			
ABW	EX ABANDONED WATER MAIN			
G	EX GAS MAIN			
ABG	EX ABANDONED GAS MAIN			
E	EX U/G ELECTRICITY CABLE			
EA	EX O/H ELECTRICITY CABLE			
O	EX OPTUS CABLE			
HD	EX HOUSE DRAIN			
STOP VALVE				
FIRE PLUG				
FIRE HYDRANT (ABOVE GROUND)				
FIRE HYDRANT (GROUND LEVEL)				
ELECTRICITY SUPPLY POLE				
E.S.P. WITH LIGHT				
LIGHT POLE ONLY				
TELECOM PILLAR				
EXISTING POST				
TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL			
TS	TRAFFIC SIGNAL POLE			
UNCLASSIFIED PIT				
EX. SIGN				
EXISTING BOLLARD				
RUBBISH BIN				
PSM				
STN/TBM				
EX DRAIN & PIT				
PROPOSED DRAIN & PIT				
NO.				
AMENDMENTS				
DATE				

**CRE CONSULTING ENGINEERS PTY LTD**
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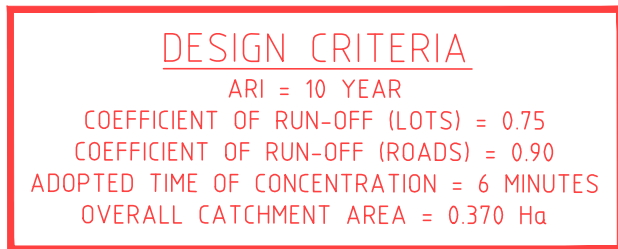
Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE	DATE : OCT 2025
CHECKED : DATE :	
SURVEYED : BN	DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.	
SCALES : AS SHOWN	@A1



MULLUM MULLUM ROAD, RINGWOOD LATM TREATMENTS KERB RETURN LONGITUDINAL SECTIONS	
CRE REF: 3256-(REV-P9).DWG	
CRE REV. NO.: P9	
AMEND. NO.: -	
DWG. NO. 3256	
SHEET: 31 OF 36	SIZE: A1

TENDER ISSUE



UNDERGROUND SERVICES:
PROVINGS INFORMATION SHOWN
WERE UNDERTAKEN BY
"ACCESS UTILITY ENGINEERING"

[illegible]

DRAINAGE PIT SCHEDULE

PIT NO.	TYPE		INTERNAL WIDTH	INTERNAL LENGTH	OUTLET DIAMETER	OUTLET INVERT RL	INLET DIAMETER	INLET INVERT RL	PIT DEPTH	FSL	EASTING	NORTHING	REMARKS	PIT NO.
	EXISTING	PROPOSED	(mm)	(mm)	(mm)	(m)	(mm)	(m)	(m)	(m)	(m)	(m)		
1		JP	900	900	EX 300	133.583	300 EX 300	133.583 133.583	1.047	134.630	344970.199	5814783.559	CONSTRUCT NEW JUNCTION PIT AS PER STD. DWG. MCC-201 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019. RECONNECT ALL EXISTING PIPES TO NEW PIT CHAMBER AS REQUIRED.	1
2		SEP	900	900	300	133.609	300	133.609	0.944	134.553	344971.968	5814781.705	CONSTRUCT NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019.	2
3		GSEP	1000	665	300	133.682			0.669	134.350	344977.010	5814776.486	CONSTRUCT NEW GRATED SIDE ENTRY PIT AS PER STD. DWG. MCC-207 WITH CLASS D BICYCLE SAFE HEAVY DUTY GRATED LID.	3
4		DIRECT CONNECTION	-	-	EX 600	128.518	225 EX 600	128.847 128.518	2.477	130.995	345086.502	5814885.662	CONSTRUCT DIRECT CONNECTION INTO COUNCIL DRAIN WITH NEW PIPE AS PER MELBOURNE WATER STD DWG 7251/8/425 REV A.	4
5		GSEP	1000	900	225	128.950			1.981	130.931	345087.528	5814884.963	CONSTRUCT NEW 'MODIFIED' 1000x900 GRATED SIDE ENTRY PIT AS PER STD. DWG. MCC-207 WITH 1000x780mm CLASS D BICYCLE SAFE HEAVY DUTY GRATED LID.	5
6		JP	900	900	EX 300	134.632	300 EX 300	135.177 134.632	1.519	136.151	345183.529	5814992.194	CONSTRUCT NEW JUNCTION PIT AS PER STD. DWG. MCC-201 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019. RECONNECT ALL EXISTING PIPES TO NEW PIT CHAMBER AS REQUIRED.	6
7		SEP	900	600	300	135.226			0.855	136.081	345185.246	5814990.473	CONSTRUCT NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019 .	7
8		SEP	JP	EX	EX	TBC	300	136.726	TBC	137.671	345208.810	5815009.048	CONVERT EXISTING SIDE ENTRY PIT TO JUNCTION PIT AS PER STD. DWG. MCC-201 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019 & ADJUST TO MATCH NEW FINISHED SURFACE LEVELS. RECONNECT EXISTING 225ø OUTLET PIPE TO PROPOSED PIT CHAMBER AS REQUIRED.	8
9		SEP	900	900	300	136.832			1.436	138.276	345208.329	5815016.452	CONSTRUCT NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH A CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019.	9
10		SEP	900	900	EX 225	134.936	EX 225	134.936	0.750	135.686	344939.077	5814752.036	CONSTRUCT NEW 'MODIFIED' 900x900 SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019 WITH EXTENDED THROAT TO ALLOW FOR CONNECTION TO EXISTING 225ø PIPE AS DIRECTED BY COUNCIL'S SUPERINTENDENT. SETOUT POINT PROVIDED TO CENTRE OF PIT WALL ALONG THE BACK OF KERB.	10
11		SEP	900	900	EX 375	132.597	EX 375	132.597	0.876	133.473	344995.928	5814807.788	CONSTRUCT NEW 'MODIFIED' 900x900 SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019 WITH EXTENDED THROAT TO ALLOW FOR CONNECTION TO EXISTING 375ø PIPE AS DIRECTED BY COUNCIL'S SUPERINTENDENT. SETOUT POINT PROVIDED TO CENTRE OF PIT WALL ALONG THE BACK OF KERB.	11
12		SEP	900	1200	EX 600	TBC	EX 600	TBC	TBC	131.141	345077.047	5814888.050	CONSTRUCT NEW SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019 & HAUNCHED TO INTERNAL DIMENSIONS 900x1200 AS PER VICROADS STD DWG SD1021. RECONNECT ALL EXISTING PIPES TO NEW PIT CHAMBER AS REQUIRED.	12
13		SEP	900	900	EX 300	TBC	EX 300	TBC	TBC	136.072	345190.827	5814984.819	CONSTRUCT NEW 900x900 SIDE ENTRY PIT AS PER STD. DWG. MCC-203 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019. RECONNECT ALL EXISTING PIPES TO NEW PIT CHAMBER AS REQUIRED.	13
14		SEP	JP	EX	EX	EX	EX	EX	EX	FSL	EX	EX	CONVERT EXISTING SIDE ENTRY PIT TO JUNCTION PIT AS PER STD. DWG. MCC-201 WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019 & ADJUST TO MATCH NEW FINISHED SURFACE LEVELS.	14
15A		DBL-SEP	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	REPLACE EXISTING LINTEL WITH A COUNCIL APPROVED STEEL LINTEL & REPLACE PIT LID AS PER STD. DWG. MCC-204 OR COUNCIL APPROVED EQUIVALENT.	15A
15B		DBL-SEP	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	REPLACE EXISTING LINTEL WITH A COUNCIL APPROVED STEEL LINTEL & REPLACE PIT LID AS PER STD. DWG. MCC-204 OR COUNCIL APPROVED EQUIVALENT.	15B
16		JP	EX	EX	EX	EX	EX	EX	EX	FSL	EX	EX	ADJUST EXISTING JUNCTION PIT TO MATCH NEW FINISHED SURFACE LEVELS INCLUDING NEW WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019.	16
17		JP	EX	EX	EX	EX	EX	EX	EX	FSL	EX	EX	ADJUST EXISTING JUNCTION PIT TO MATCH NEW FINISHED SURFACE LEVELS INCLUDING NEW WITH CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019. BREAKOUT & REMOVE EXISTING CONCRETE PLUG ON SOUTH-WEST WALL OF PIT CHAMBER AS DIRECTED BY COUNCIL'S SUPERINTENDENT.	17
18		SEP	GPIT	EX	EX	EX	EX	EX	EX	FSL	EX	EX	RECONSTRUCT EXISTING SIDE ENTRY PIT AS GRATED PIT AT VEHICLE CROSSING PIT AS PER STD. DWG. MCC-206 WITH COUNCIL APPROVED BIKE-SAFE V-GRATE TO SUIT CHANNEL PROFILE. RECONNECT EXISTING PIPES TO NEW PIT CHAMBER AS REQUIRED.	18
19		SEP	JP	EX	EX	EX	EX	EX	EX	FSL	EX	EX	CONVERT EXISTING SIDE ENTRY PIT TO JUNCTION PIT AS PER STD. DWG. MCC-201 WITH CLASS D HEAVY DUTY GATIC LID COMPLIANT TO AS3996-2019 & ADJUST TO MATCH NEW FINISHED SURFACE LEVELS.	19
20		SEP	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	REMOVE EXISTING PIT LID & INSTALL NEW CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019.	20
21		SEP	EX	EX	EX	EX	EX	EX	EX	FSL	EX	EX	ADJUST EXISTING SIDE ENTRY PIT TO MATCH NEW FINISHED SURFACE LEVELS & KERB ALIGNMENT INCLUDING NEW LINTEL & CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019.	21
22		SEP	EX	EX	EX	EX	EX	EX	EX	FSL	EX	EX	ADJUST EXISTING SIDE ENTRY PIT TO MATCH NEW FINISHED SURFACE LEVELS & KERB ALIGNMENT INCLUDING NEW LINTEL & CLASS B LIGHTWEIGHT COVER COMPLIANT TO AS3996-2019.	22

NOTES:

1. PIT FLOORS TO BE SHAPED TO PROVIDE SMOOTH FLOW THROUGH PITS.
2. ALL EXISTING PIPE LEVELS ARE TO BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION. COUNCIL'S SUPERINTENDENT SHALL BE NOTIFIED IF THERE ARE ANY DISCREPANCIES PRIOR TO COMMENCING CONSTRUCTION.
3. ALL PIT SETOUT IS TO THE CENTRE OF THE PIT CHAMBER, UNLESS NOTED OTHERWISE IN THE REMARKS COLUMN.
4. ALL PITS SHOULD BE ALIGNED TO KERB AND CHANNEL (HORIZONTALLY & VERTICALLY), VEHICLE CROSSINGS AND MATCH TO LEVELS AS REQUIRED.

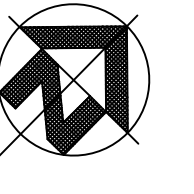
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PROVINGS INFORMATION SHOWN
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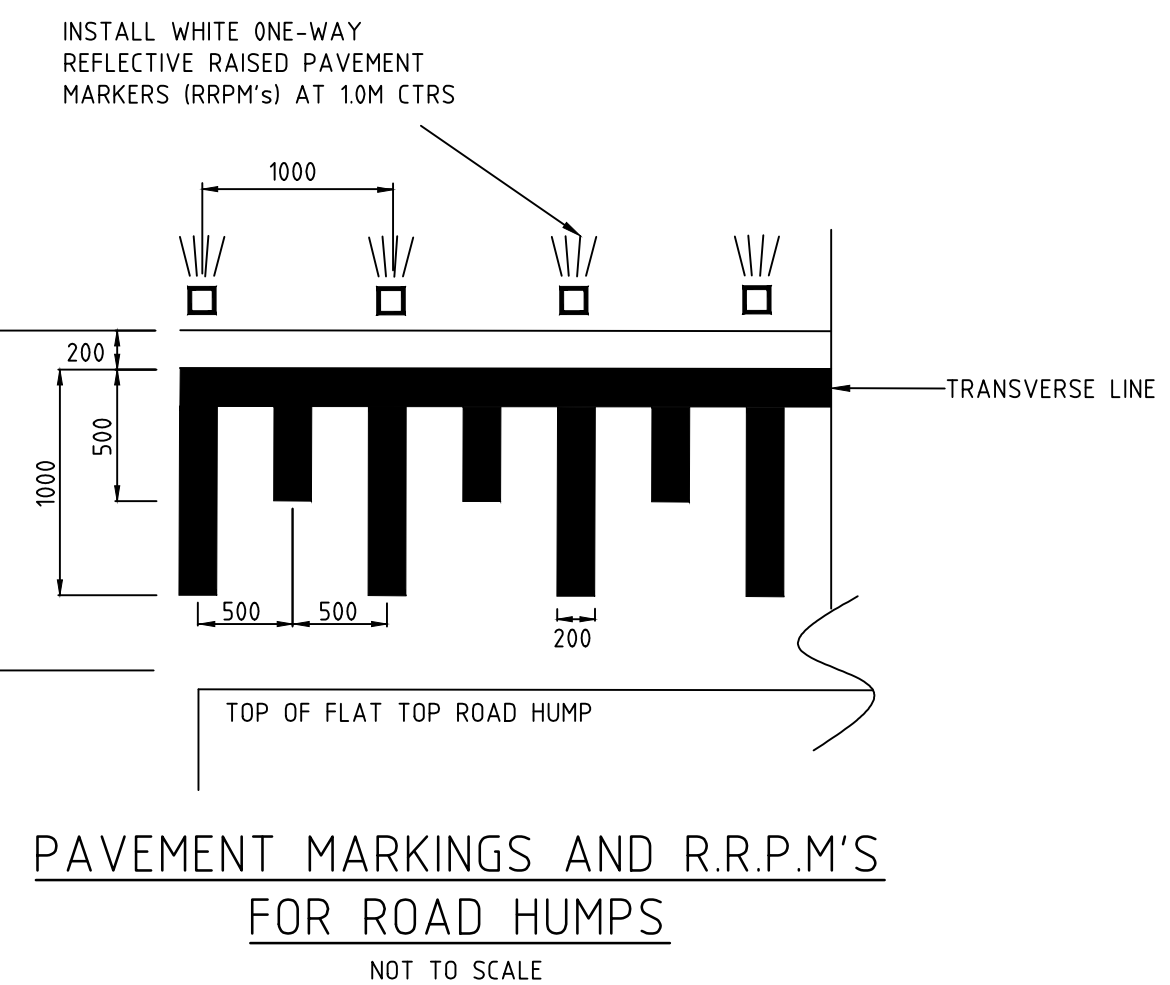
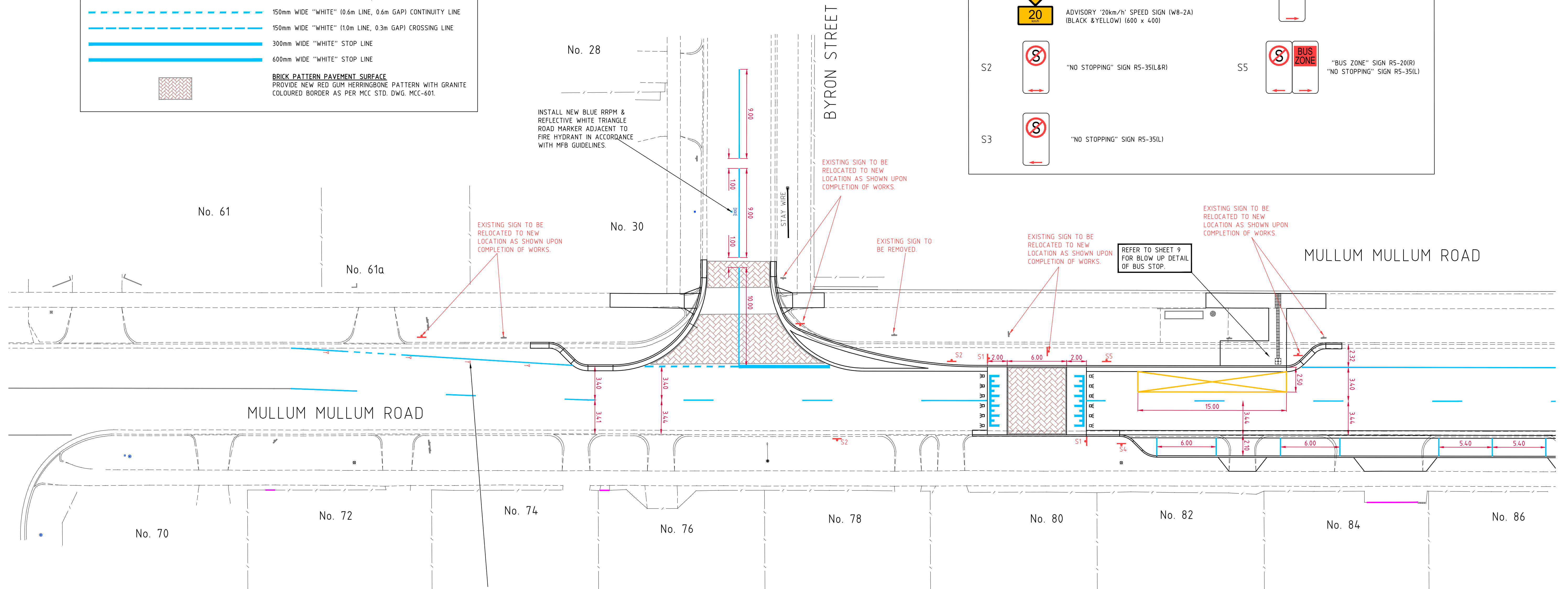
LINEMARKING LEGEND

	100mm WIDE "WHITE" EDGE LINE / LANE LINE
	100mm WIDE "WHITE" (3.0m LINE, 9.0m GAP) DIVIDING LINE
	150mm WIDE "WHITE" (0.6m LINE, 0.6m GAP) CONTINUITY LINE
	150mm WIDE "WHITE" (1.0m LINE, 0.3m GAP) CROSSING LINE
	300mm WIDE "WHITE" STOP LINE
	600mm WIDE "WHITE" STOP LINE

BRICK PATTERN PAVEMENT SURFACE
PROVIDE NEW RED GUM HERRINGBONE PATTERN WITH GRANITE COLOURED BORDER AS PER MCC STD. DWG. MCC-601.

SIGN SCHEDULE

S1		'ROAD HUMPS' SIGN (W5-10A) (BLACK & YELLOW) (600 x 600)	S4		"NO STOPPING" SIGN R5-35(R)
S2		"NO STOPPING" SIGN R5-35(L&R)	S5		"BUS ZONE" SIGN R5-20(R) "NO STOPPING" SIGN R5-35(L)
S3		"NO STOPPING" SIGN R5-35(L)			



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	EX TELSTRA OPTIC FIBRE		EX HIGH PRESSURE GAS MAIN
	EX TELSTRA CABLE & PIT		STOP VALVE
	EX SOWER & PIT		FIRE PLUG
	EX WATER MAIN		FIRE HYDRANT (ABOVE GROUND)
	EX ABANDONED WATER MAIN		FIRE HYDRANT (GROUND LEVEL)
	EX GAS MAIN		ELECTRICITY SUPPLY POLE
	EX ABANDONED GAS MAIN		E.S.P. WITH LIGHT
	EX U/G ELECTRICITY CABLE		LIGHT POLE ONLY
	EX O/H ELECTRICITY CABLE		TELECOM PILLAR
	EX OPTUS CABLE		EXISTING POST
	EX HOUSE DRAIN		

	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL		
	TRAFFIC SIGNAL POLE		UNCLASSIFIED PIT
	FENCE		TREE
	EX. SIGN		LIMIT OF WORKS
	EXISTING BOLLARD		
	RUBBISH BIN		EX DRAIN & PIT
	PSM		PROPOSED DRAIN & PIT
	STN/TBM		
NO.	AMENDMENTS	DATE	

CRE
CRE CONSULTING ENGINEERS PTY LTD
Civil • Municipal • Drainage • Project Management
Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE
DATE : OCT 2025
CHECKED :
DATE :
SURVEYED : BN
DATE : MAY 2025
SURVEY DATUM : A.H.D. / M.G.A.
SCALES : AS SHOWN @A1

CLIENT:
Maroondah
City Council

MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
LINEMARKING & SIGNAGE PLAN

TENDER ISSUE

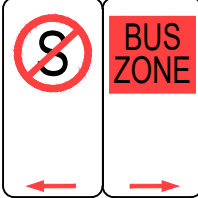
CRE REF: 3256-(REV-P9).DWG
CRE REV. NO.: P9
AMEND. NO.: -
DWG. NO. **3256**
SHEET: 34 OF 36
SIZE: A1

NORWOOD SECONDARY COLLEGE

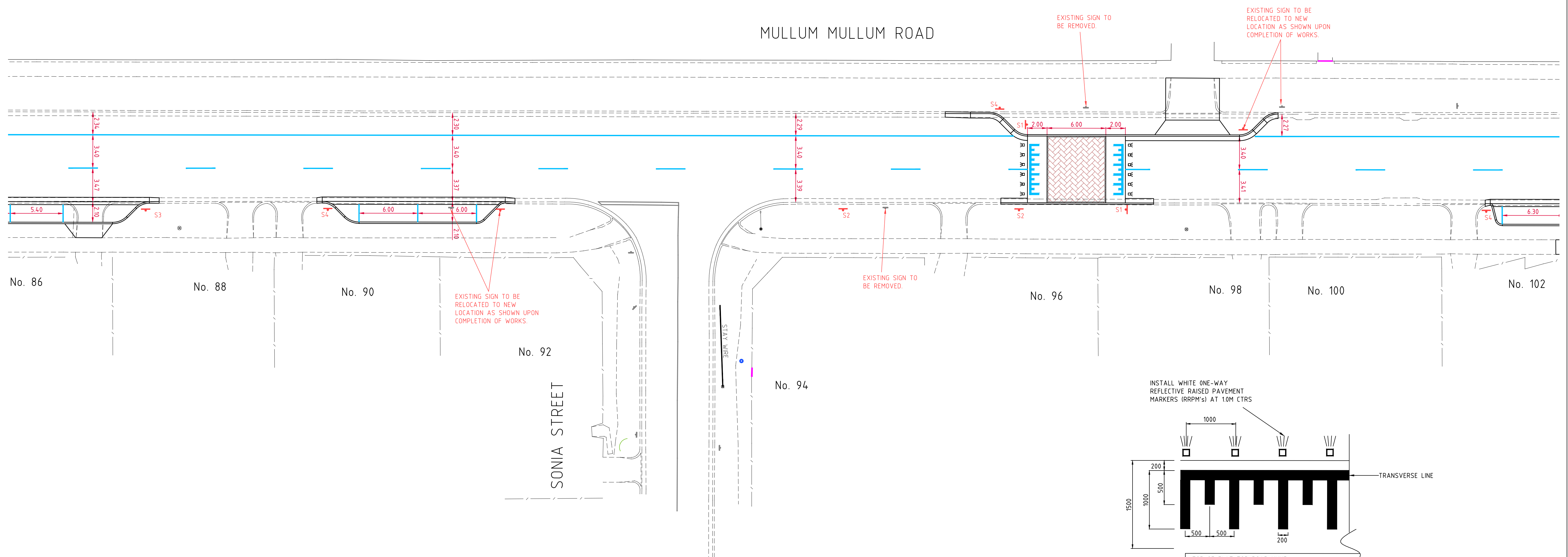
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	BRICK PATTERN PAVEMENT SURFACE PROVIDE NEW RED GUM HERRINGBONE PATTERN WITH GRANIT COLOURED BORDER AS PER MCC STD. DWG. MCC-601

SIGN SCHEDULE

S1	 "ROAD HUMPS" SIGN (W5-10A) (BLACK & YELLOW) (600 x 600)  ADVISORY "20km/h" SPEED SIGN (W8-2A) (BLACK & YELLOW) (600 x 400)	S4	 "NO STOPPING" SIGN R5-35(R)
S2	 "NO STOPPING" SIGN R5-35(L&R)	S5	 "BUS ZONE" SIGN R5-20(R) "NO STOPPING" SIGN R5-35(L)
S3	 "NO STOPPING" SIGN R5-35(L)		

MULLUM MULLUM ROAD



INSTALL WHITE ONE-WAY
REFLECTIVE RAISED PAVEMENT
MARKERS (RRPM's) AT 10M CTRS

1000

200

500

1000

500

500

200

TOP OF FLAT TOP ROAD HUMPS

TRANSVERSE LINE

PAVEMENT MARKINGS AND R.R.P.M'S
FOR ROAD HUMPS

NOT TO SCALE

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LEGEND

—TGF—	EX TELSTRA OPTIC FIBRE	—HPC—	EX HIGH PRESSURE GAS MAIN
T	EX TELSTRA CABLE & PIT	◇	STOP VALVE
S	EX SEWER & PIT	+	FIRE PLUG
W	EX WATER MAIN	+	FIRE HYDRANT (ABOVE GROUND)
AW	EX ABANDONED WATER MAIN	+	FIRE HYDRANT (GROUND LEVEL)
C	EX GAS MAIN	+	ELECTRICITY SUPPLY CABLE
ABC	EX ABANDONED GAS MAIN	+	E.S.P. WITH LIGHT
E	EX U/G ELECTRICITY CABLE	+	LIGHT POLE ONLY
EA	EX O/A ELECTRICITY CABLE	+	EXCOM PILLAR
O	EX OPTUS CABLE	+	TELEPHONE POST
—H/D—	HOV'S DRAIN		

—TS—	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL	+	TRAFFIC SIGNAL POLE	+	UNCLASSIFIED PIT
+	TRAFFIC SIGNAL POLE	+	FENCE	+	TREE
+	EX. SIGN	+	LIMIT OF WORKS		
+	EXISTING BOLLARD	+	EX DRAIN & PIT		
+	RUBBISH BIN	+	PROPOSED DRAIN & PIT		
+	PSM	+	STN/TBM		

NO.	AMENDMENTS	DATE



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TENDER ISSUE

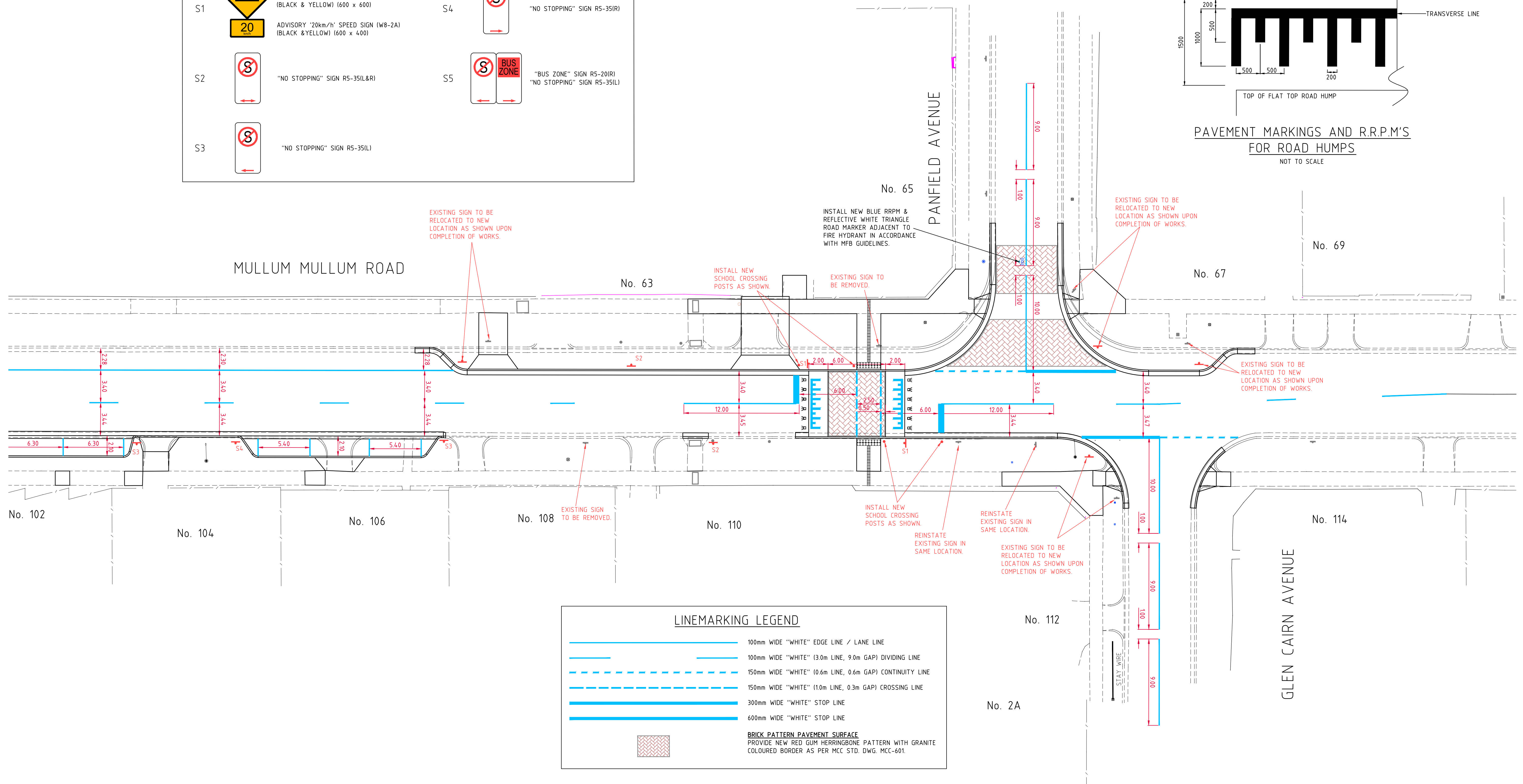
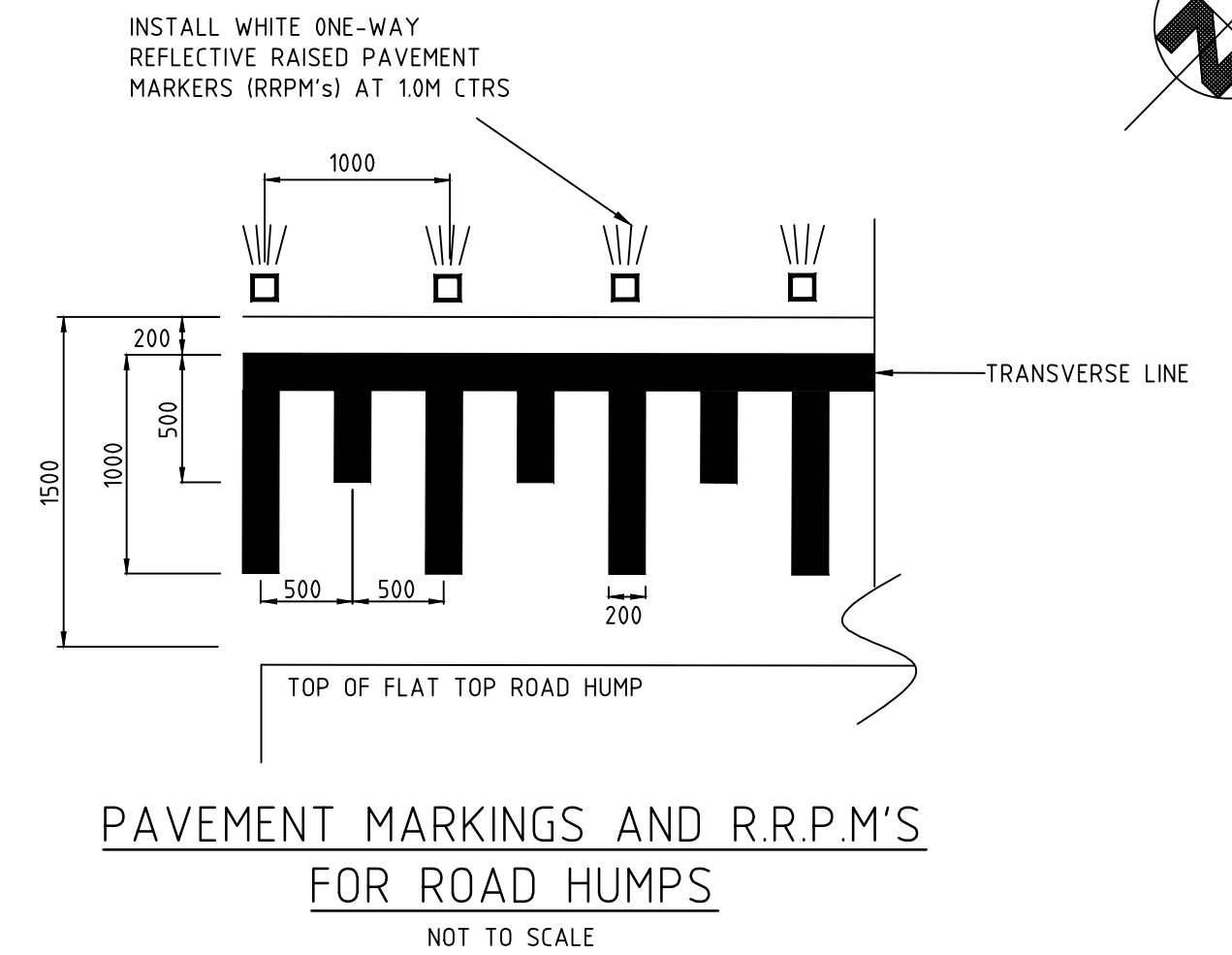
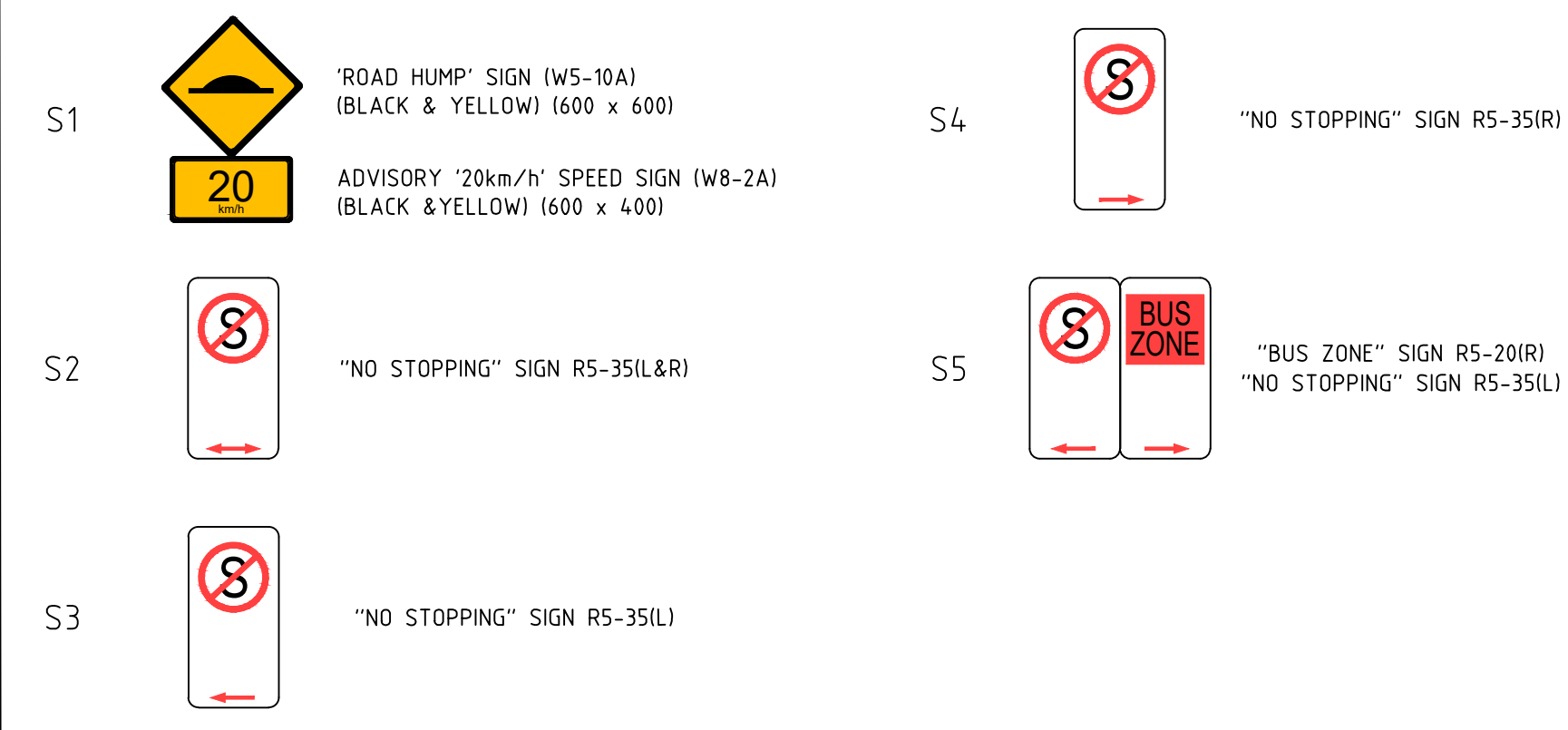
CRE REF: 3256-(REV-P9).DWG

CRE REV. NO.: P9

AMEND. NO.: —

DWG.NO. 3256

SHEET: 35 OF 36	SIZE: A1
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0 2 4 6 8 10m
SCALE 1:200 AT ORIGINAL SIZE

LEGEND		—TF— EX TELSTRA OPTIC FIBRE	—HPC— EX HIGH PRESSURE GAS MAIN
—T—	EX TELSTRA CABLE & PIT	◆	STOP VALVE
—S—	EX SEWER & PIT	◆	PIPE PLAG
—W—	EX WATER MAIN	◆	FIRE HYDRANT (ABOVE GROUND)
—ABW—	EX ABANDONED WATER MAIN	◆	FIRE HYDRANT (GROUND LEVEL)
—G—	EX GAS MAIN	◆	ELECTRICITY SUPPLY POLE
—ABG—	EX ABANDONED GAS MAIN	◆	E.S.P. WITH LIGHT
—E—	EX U/I ELECTRICITY CABLE	◆	LIGHT POLE ONLY
—E—	EX O/I ELECTRICITY CABLE	◆	TELECOM PILLAR
—O—	EX OPTIC CABLE	◆	EXISTING POST
—H—	HOUSE DRAIN	◆	
		—TS—	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
		◆	TRAFFIC SIGNAL POLE
		◆	UNCLASSIFIED PIT
		◆	FENCE
		◆	TREE
		◆	EX. SIGN
		◆	LIMIT OF WORKS
		◆	EXISTING BOLLARD
		◆	RUBBERBIN BIN
		◆	EX DRAIN & PIT
		◆	PROPOSED DRAIN & PIT
		◆	FSM
		◆	STN/TBM

L		
T		
T		
NO.	AMENDMENTS	DATE



H.D. / M.G.A.



MULLUM MULLUM ROAD, RINGWOOD
LATM TREATMENTS
LINEMARKING & SIGNAGE PLAN

SHEET: 36 OF 36	SIZE: A1
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