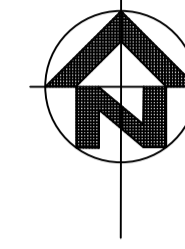
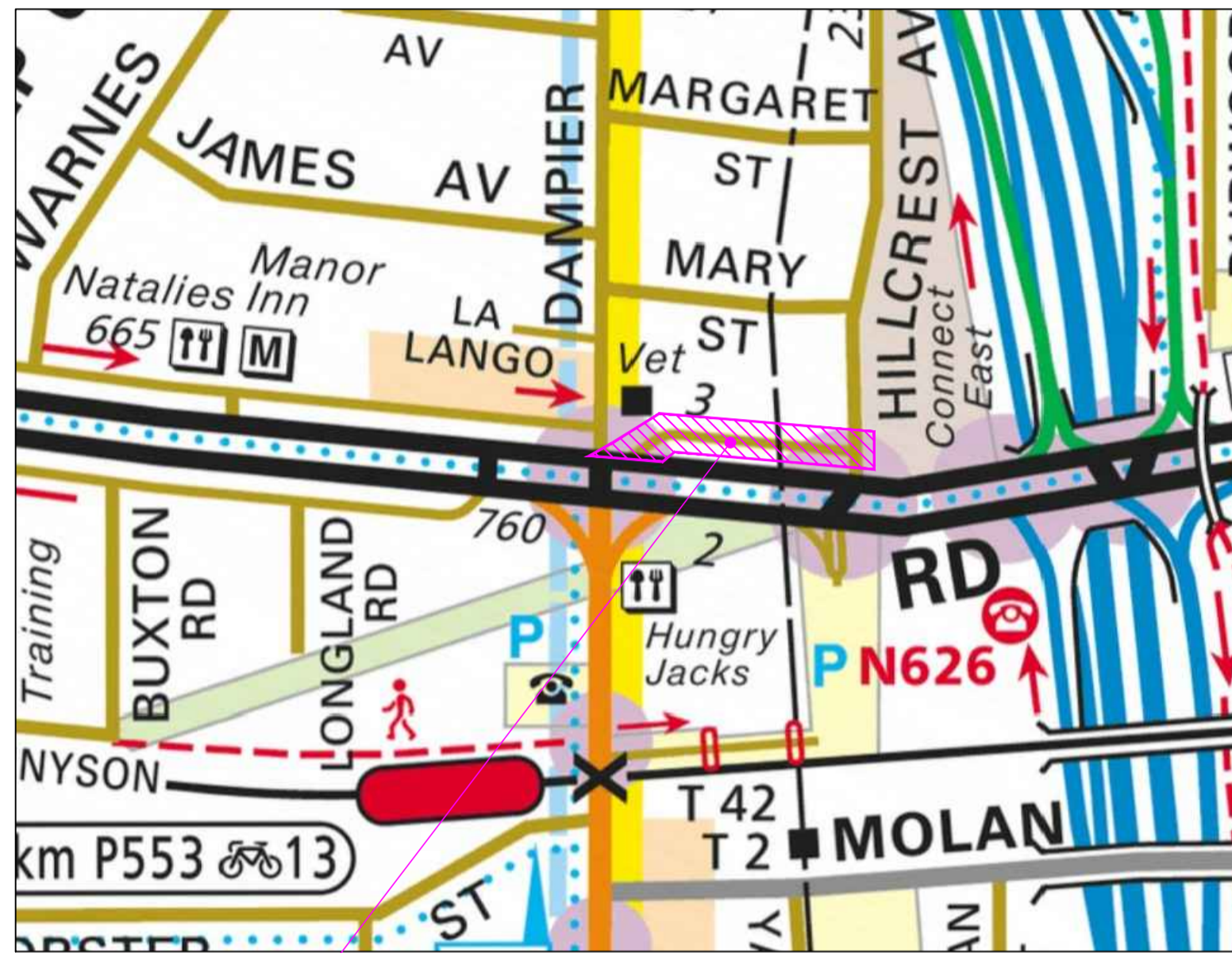


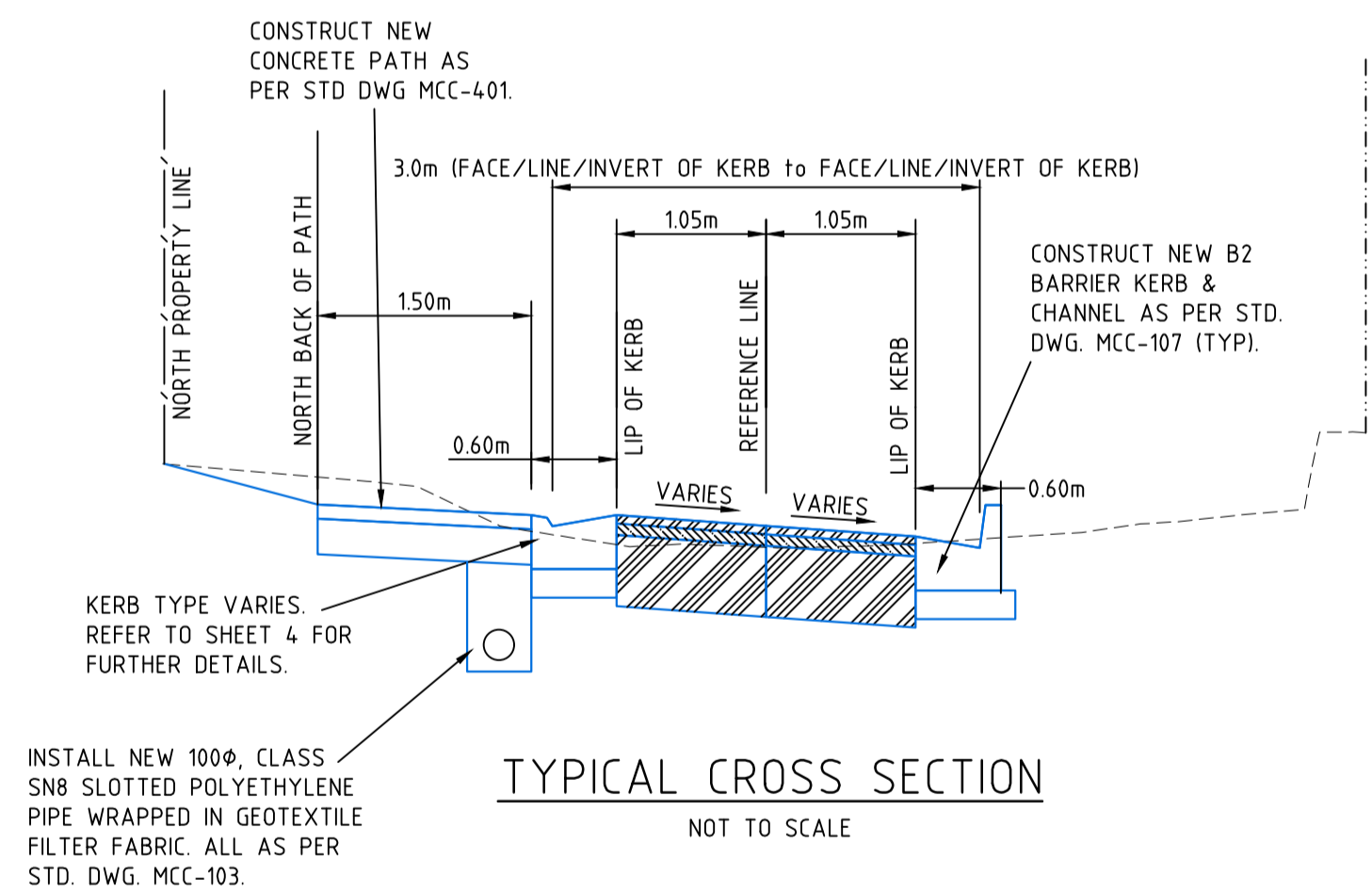
MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD ROAD RECONSTRUCTION

GENERAL NOTES

- ALL LEVELS AND COORDINATES ARE TO AN ARBITRARY DATUM.
- 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.
- THE CONTRACTOR SHALL MAINTAIN AND PROTECT THE SURVEY MARKS FOR THE DURATION OF THE CONTRACT.
- 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.
- ALL EXISTING REDUNDANT CONCRETE, PAVEMENT, SOIL, RUBBISH AND CONSTRUCTION DEBRIS SHALL BE TAKEN UP AND REMOVED FROM SITE.
- PRIOR TO COMPLETION THE CONTRACTOR SHALL ENSURE THE SITE IS TIDIED AND OBTAIN A CLEARANCE FROM THE SUPERINTENDENT.
- ALL EXISTING TREES WITHIN THE WORKS AREA SHALL BE PROTECTED AT ALL TIMES UNLESS OTHERWISE STATED OR DIRECTED BY COUNCIL'S SUPERINTENDENT.
- 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.
- ALL DISTURBED AREAS WITHIN THE WORKS LIMIT SHALL BE TOPSOILED (MIN 100mm DEPTH), CULTIVATED, FERTILISED AND SEEDED WITH AN APPROVED GRASS SEED MIXTURE.
- ALL DEPTHS OF ASPHALT & CRUSHED ROCK FOR NEW PAVEMENT COMPOSITION ARE COMPACTED DEPTHS.
- ALL NEW KERB AND CHANNEL CONSTRUCTION IS TO MATCH IN NEATLY WITH THE EXISTING KERB & CHANNEL.
- 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.
- ALL SERVICE FITTINGS WHICH ARE WITHIN THE LIMIT OF WORKS AREA SHALL BE ADJUSTED TO MATCH PROPOSED FINISHED SURFACE LEVELS AS REQUIRED.
- 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.
- THE CONTRACTOR IS TO SUPPORT ELECTRICITY POLES ALL IN ACCORDANCE WITH RELEVANT SERVICE AUTHORITY REQUIREMENTS.



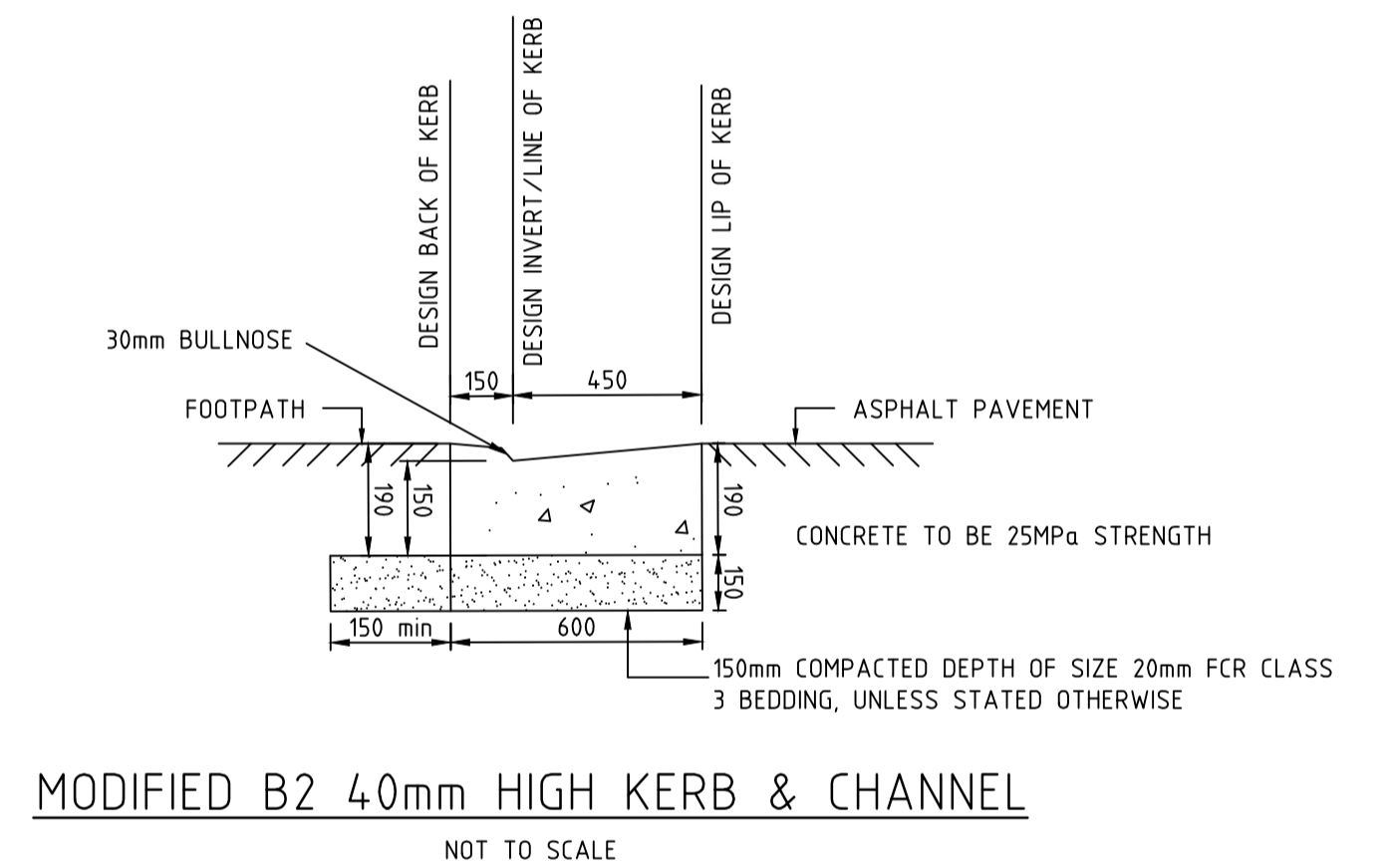
SITE OF WORKS LOCALITY PLAN



TYPICAL CROSS SECTION NOT TO SCALE

- FULL DEPTH ROAD PAVEMENT RECONSTRUCTION**
- WEARING COURSE:- 30mm DEPTH 10mm SIZE TYPE H ASPHALT.
 - INTERMEDIATE COURSE:- 40mm DEPTH 14mm SIZE TYPE H ASPHALT.
 - BASE COURSE:- 100mm DEPTH 20mm SIZE CLASS 2 CRUSHED ROCK.
 - SUB-BASE COURSE:- 100mm DEPTH 20mm SIZE CLASS 2 CRUSHED ROCK.
- ALL AS PER STD DWG MCC-101.

DRAWING INDEX	
SHEET No.	DESCRIPTION
1	FACE SHEET: - LOCALITY PLAN, GENERAL NOTES & DRAWING INDEX
2	DETAIL PLAN
3	DESIGN CONTOUR PLAN
4	SETOUT PLAN
5	KERB TYPE PLAN
6	REFERENCE LINE LONGITUDINAL SECTION
7 - 9	REFERENCE LINE CROSS SECTIONS
10	BACK OF PATH LONGITUDINAL SECTION
11	LINEMARKING & SIGNAGE PLAN



MODIFIED B2 40mm HIGH KERB & CHANNEL NOT TO SCALE

WARNING
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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 NEGLIGENCE ACTS OR OMISSIONS OF THE CONTRACTOR. ALL INFORMATION PROVIDED ON THESE PLANS SHALL BE CHECKED BY THE APPOINTED CONTRACTOR PRIOR TO COMMENCING 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.

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.

NOTE:
THIS DESIGN IS PROTECTED BY COPYRIGHT LAWS AND CANNOT BE RELEASED TO ANY OTHER PERSON(S), OTHER THAN THE CLIENT INTENDED FOR AS INDICATED IN THE TITLE BLOCK ON THESE DRAWINGS. IN THE EVENT OF ANY USE OF THESE FILES, INCLUDING DISTRIBUTION, MODIFICATION, ENHANCEMENT OR FOR ADDITIONAL DESIGN WORK, CRE ASSUMES NO RESPONSIBILITY FOR THE ACCURACY AND INTEGRITY OF THE DATA.

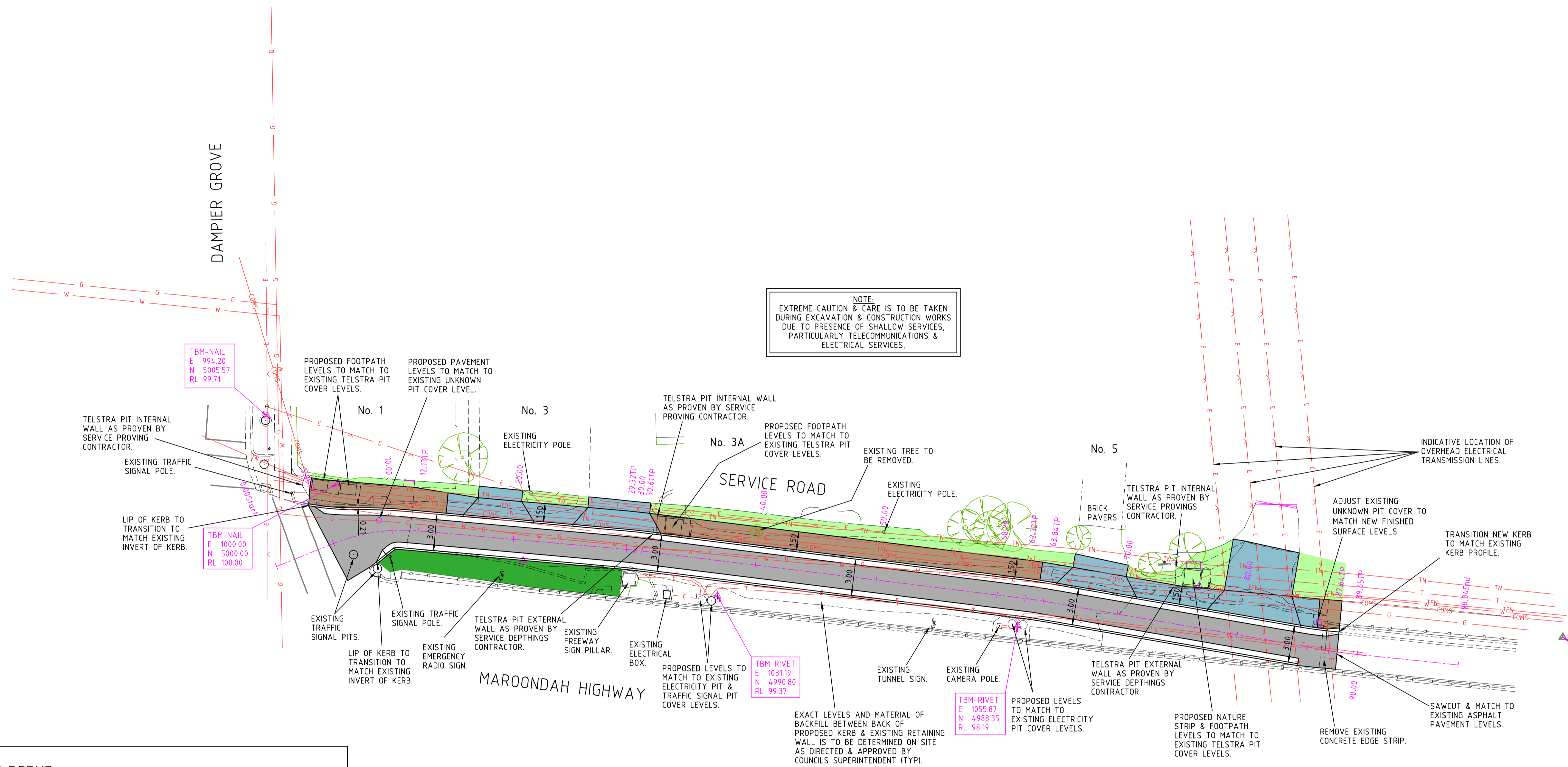
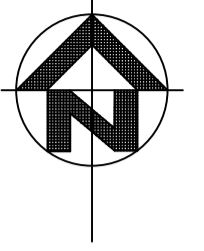
LEGEND	NO.	AMENDMENTS	DATE
<ul style="list-style-type: none"> —T— EX TELSTRA OPTIC FIBRE —S— EX TELSTRA CABLE & PIT —S— EX SOWER & PIT —W— EX WATER MAIN —ABW— EX ABANDONED WATER MAIN —G— EX GAS MAIN —ABG— EX ABANDONED GAS MAIN —E— EX U/G ELECTRICITY CABLE —E— EX O/H ELECTRICITY CABLE —O— EX OPTUS CABLE —HD— HD 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 — EX SIGN — EXISTING BOLLARD ◇ RUBBISH BIN ◇ PSM ◇ EX TELSTRA CABLE & PIT ◇ EX SOWER & 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 ◇ HD 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 — EX SIGN — EXISTING BOLLARD ◇ RUBBISH BIN ◇ PSM ◇ EX TELSTRA CABLE & PIT ◇ EX SOWER & 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 ◇ HD 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 — EX SIGN — EXISTING BOLLARD ◇ RUBBISH BIN ◇ PSM 			

CRE
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Civil • Municipal • Drainage • Project Management
704 Mount Alexander Road, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE DATE : AUG 2023
CHECKED : DATE :
SURVEYED: MOONLAND DATE : AUG 2023
SURVEY DATUM : ARBITRARY
SCALES : AS SHOWN @A1



MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD ROAD RECONSTRUCTION FACE SHEET		CRE REF: 3044-(REV-P7).DWG CRE REV. NO.: P7 AMEND. NO.: - DWG. NO. 3044 SHEET: 1 OF 11 SIZE: A1
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- FULL DEPTH PAVEMENT CONSTRUCTION (MCC STD DWG MCC-101)**
WEARING COURSE:- 30mm DEPTH 10mm SIZE TYPE H ASPHALT.
INTERMEDIATE COURSE:- 40mm DEPTH 14mm SIZE TYPE H ASPHALT.
BASE COURSE:- 100mm DEPTH 20mm SIZE CLASS 2 CRUSHED ROCK.
SUB-BASE COURSE:- 100mm DEPTH 20mm SIZE CLASS 2 CRUSHED ROCK.
ALL AS PER STD DWG MCC-101.
- CONCRETE FOOTPATH**
CONSTRUCT 125mm DEPTH REINFORCED (SL72 MESH) CONCRETE FOOTPATH ON 50mm DEPTH CLASS 3 FCR, AS PER MCC STD DWG MCC-401.
- CONCRETE VEHICLE CROSSING**
CONSTRUCT 150mm DEPTH REINFORCED (SL72 MESH) 25MPa CONCRETE VEHICLE CROSSINGS ON 50mm DEPTH CLASS 3 CRUSHED ROCK, AS PER MCC STD DWG MCC-501.
- REINSTATEMENT OF NATURE STRIPS**
REINSTATEMENT OF NATURE STRIPS / BATTERS, INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING.
- REINSTATEMENT OF GARDEN BED**
REINSTATEMENT OF GARDEN BED WITH COUNCIL APPROVED MULCHING. ALL AS APPROVED BY COUNCIL'S SUPERINTENDENT.

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SCALE 1:200 AT ORIGINAL SIZE

—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
—ABW—	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/G ELECTRICITY CABLE	◆	LIGHT POLE ONLY	—	RUBBISH BIN
—E—	EX O/H ELECTRICITY CABLE	◆	TELECOM PILLAR	—	EX DRAIN & PIT
—O—	EX OPTUS CABLE	◆	EXISTING POST	—	PROPOSED DRAIN & PIT
—HD—	EX HOUSE DRAIN	◆		—	

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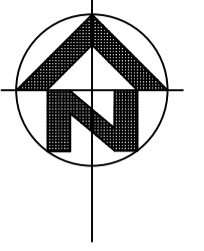
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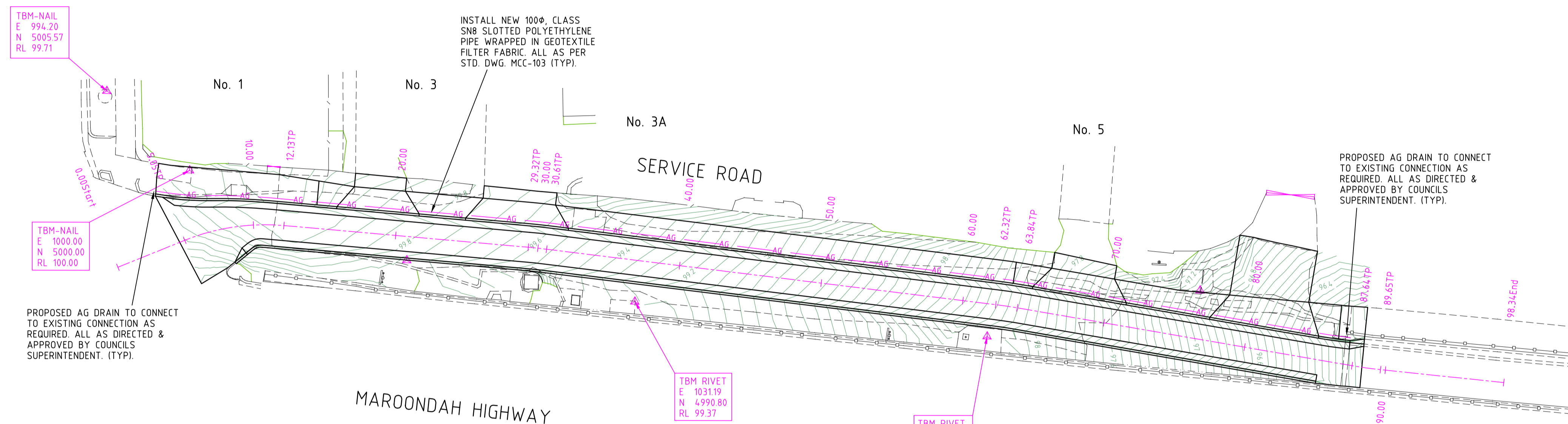
**MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION**

DETAIL PLAN

CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 2 OF 11
SIZE: A1



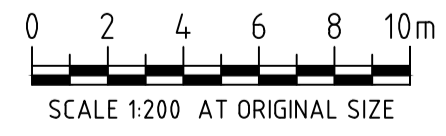
DAMPIER GROVE



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LEGEND	
—T—	EX TELSTRA OPTIC FIBRE
—S—	EX TELSTRA CABLE & PIT
—W—	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
—F—	FENCE
—EX—	EX SIGN
—EXB—	EXISTING BOLLARD
—RUBB—	RUBBISH BIN
—PSM—	PSM
—STN/TBM—	STN/TBM
—L—	LIMIT OF WORKS
—T—	TREE
—EXD—	EX DRAIN & PIT
—P—	PROPOSED DRAIN & PIT

NO.	AMENDMENTS	DATE

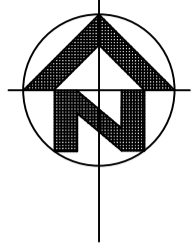
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Phone: 0417 318 556
Email: admin@creconsulting.com.au

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SURVEYED: MOONLAND	DATE : AUG 2023
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SCALES : AS SHOWN	①A1

CLIENT:
Maroondah
City Council

MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION
DESIGN CONTOUR PLAN

CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 3 OF 11
SIZE: A1



POINT SETOUT DETAILS

PT NO.	EASTING	NORTHING	LEVEL	REMARKS
1	997.605	4998.201	99.757	INVERT/LINE OF KERB (MATCH EX)
2	998.103	4998.122	99.779	INVERT/LINE OF KERB
3	998.928	4997.557	99.784	LIP OF KERB
4	1003.180	4993.584	99.651	INVERT/LINE OF KERB (MATCH EX)
5	1003.674	4994.563	99.804	LIP OF KERB
6	1008.923	4997.585	100.102	FRONT OF PATH/BACK OF KERB
7	1009.071	4999.258	100.141	BACK OF PATH
8	1010.317	4997.462	99.969	FRONT OF PATH/BACK OF 'MODIFIED' KERB
9	1010.457	4999.034	100.008	BACK OF PATH
10	1028.983	4995.647	99.473	FRONT OF PATH/BACK OF 'MODIFIED' KERB
11	1029.167	4997.135	99.545	BACK OF PATH
12	1030.254	4997.001	99.585	BACK OF PATH
13	1030.070	4995.513	99.548	FRONT OF PATH/BACK OF KERB
14	1057.693	4992.084	98.162	FRONT OF PATH/BACK OF KERB
15	1057.923	4993.566	98.183	BACK OF PATH
16	1059.329	4993.328	97.988	BACK OF PATH
17	1059.073	4991.850	97.951	FRONT OF PATH/BACK OF 'MODIFIED' KERB
18	1078.968	4985.668	96.241	LIP OF KERB
19	1081.984	4984.768	95.918	EDGE OF BITUMEN (MATCH EX)
20	1081.233	4987.483	96.003	LIP OF KERB
21	1082.257	4987.661	95.867	LIP OF KERB (MATCH EX)

DAMPIER GROVE

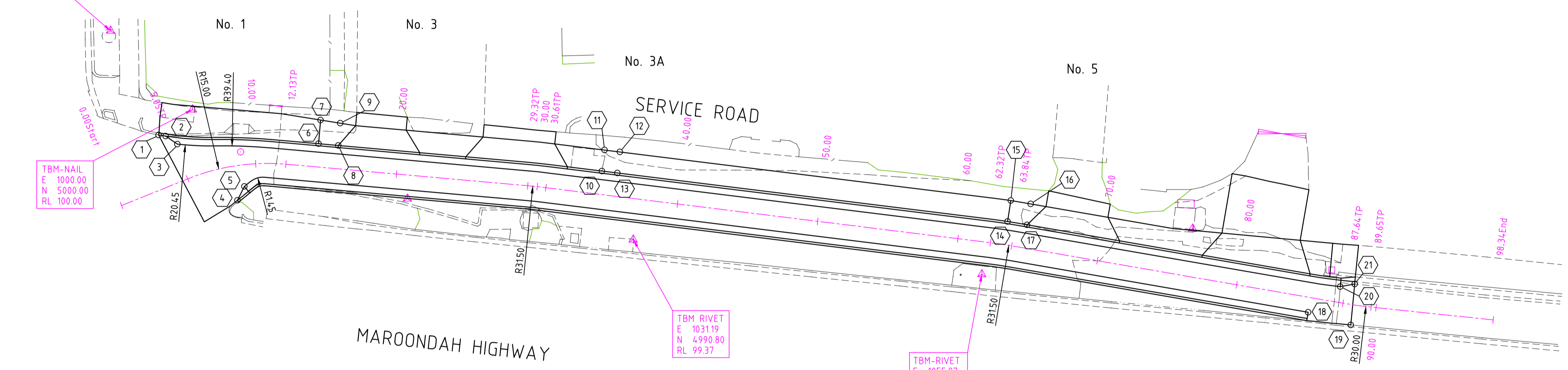
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TBM-NAIL
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N 5000.00
RL 100.00

TBM RIVET
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N 4990.80
RL 99.37

TBM-RIVET
E 1055.87
N 4988.35
RL 98.19

TBM-SPIKE
E 1100.65
N 4987.40
RL 94.37



MAROONDAH HIGHWAY

SERVICE ROAD

No. 1

No. 3

No. 3A

No. 5

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LEGEND	
—T—	EX TELSTRA OPTIC FIBRE
—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
—F—	FENCE
—EX—	EX SIGN
—EX—	EXISTING BOLLARD
—RUB—	RUBBISH BIN
—PSM—	PSM
—STN/TBM—	STN/TBM
—	EX DRAIN & PIT
—	PROPOSED DRAIN & PIT
—	LIMIT OF WORKS
—	TREE
—	UNCLASSIFIED PIT

NO.	AMENDMENTS	DATE

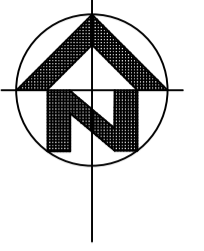
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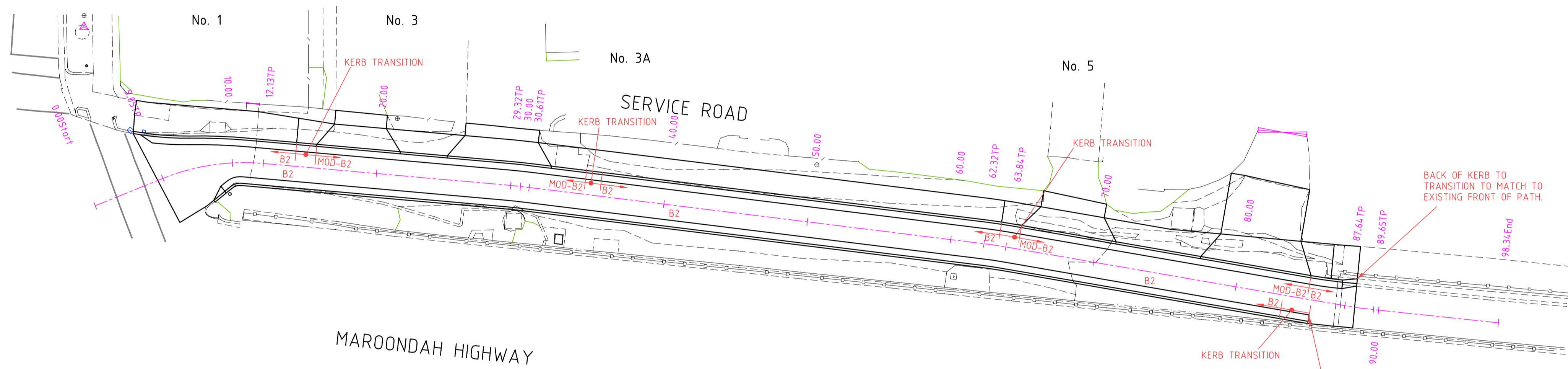
CLIENT:
Maroondah
City Council

MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION
SETOUT PLAN

CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 4 OF 11
SIZE: A1



DAMPIER GROVE



KERB TYPE LEGEND	
	CONSTRUCT NEW CONCRETE BARRIER KERB & CHANNEL AS PER STD DWG. MCC-107.
	CONSTRUCT NEW MODIFIED 40mm HIGH CONCRETE BARRIER KERB & CHANNEL AS PER DETAIL ON SHEET 2.

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LEGEND																														

NO.	AMENDMENTS	DATE

CRE
CRE CONSULTING ENGINEERS PTY LTD
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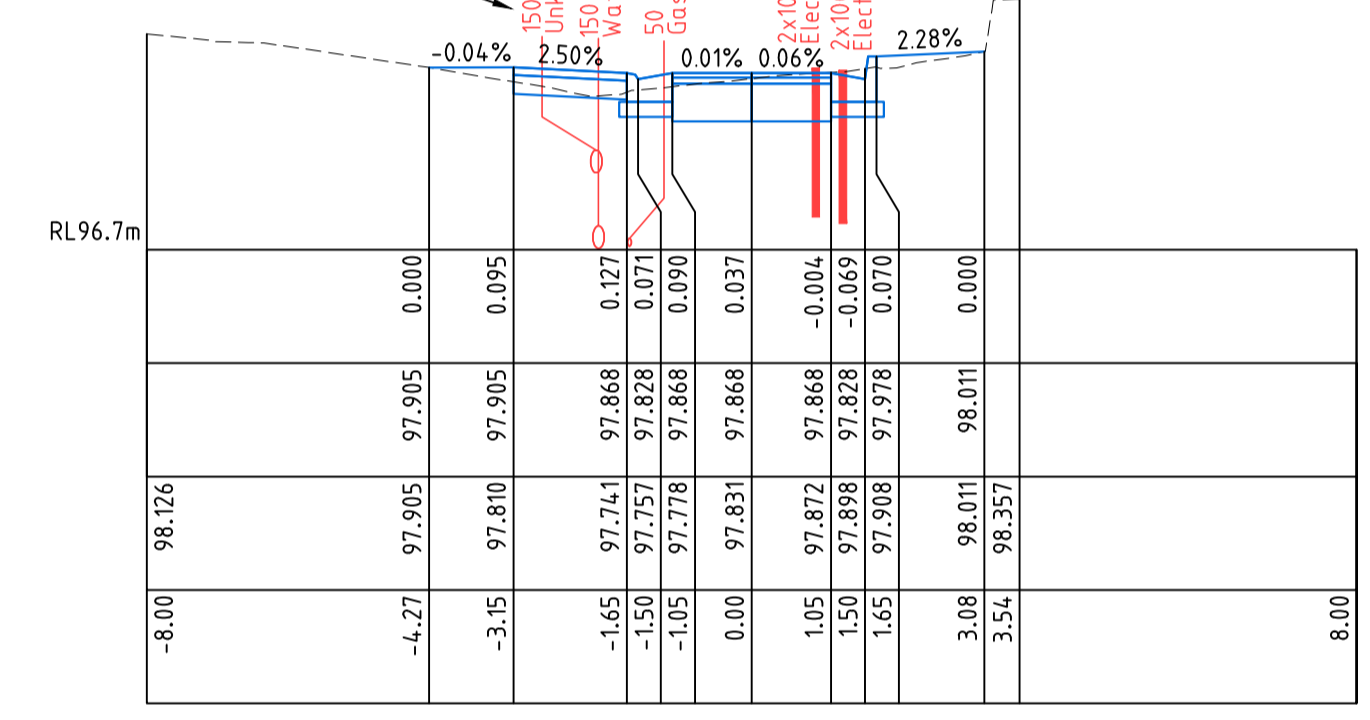
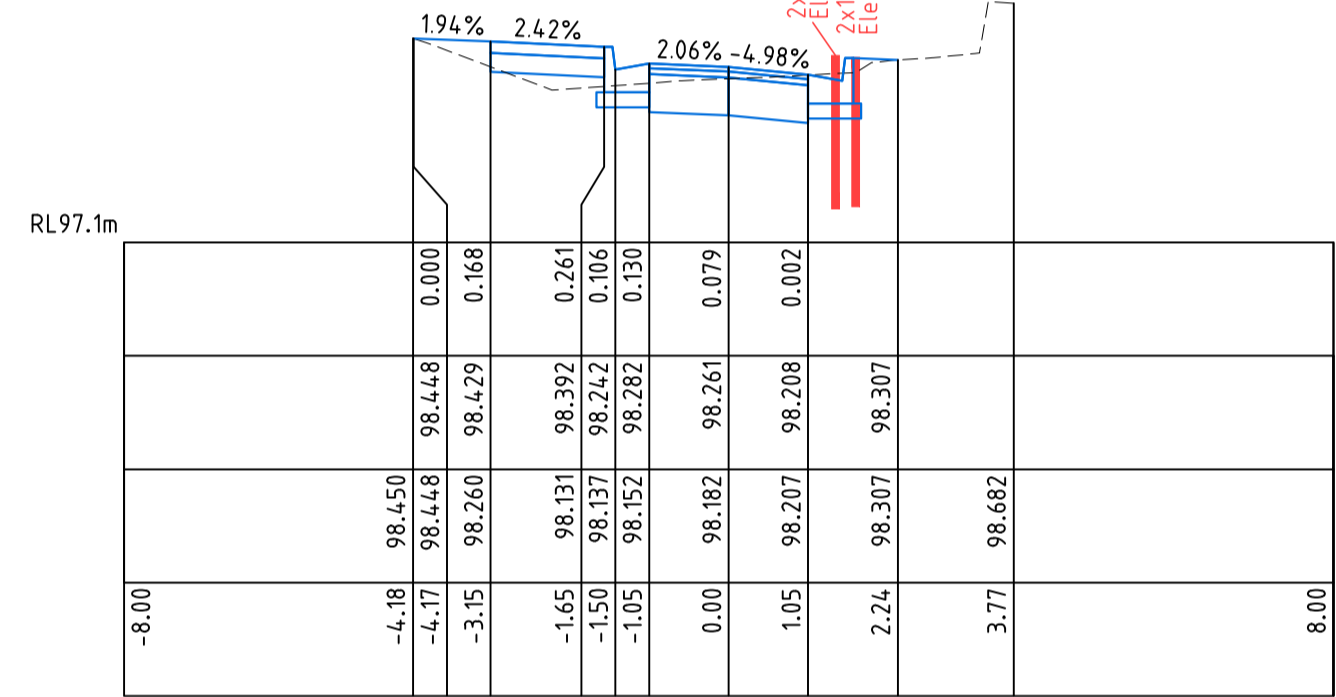
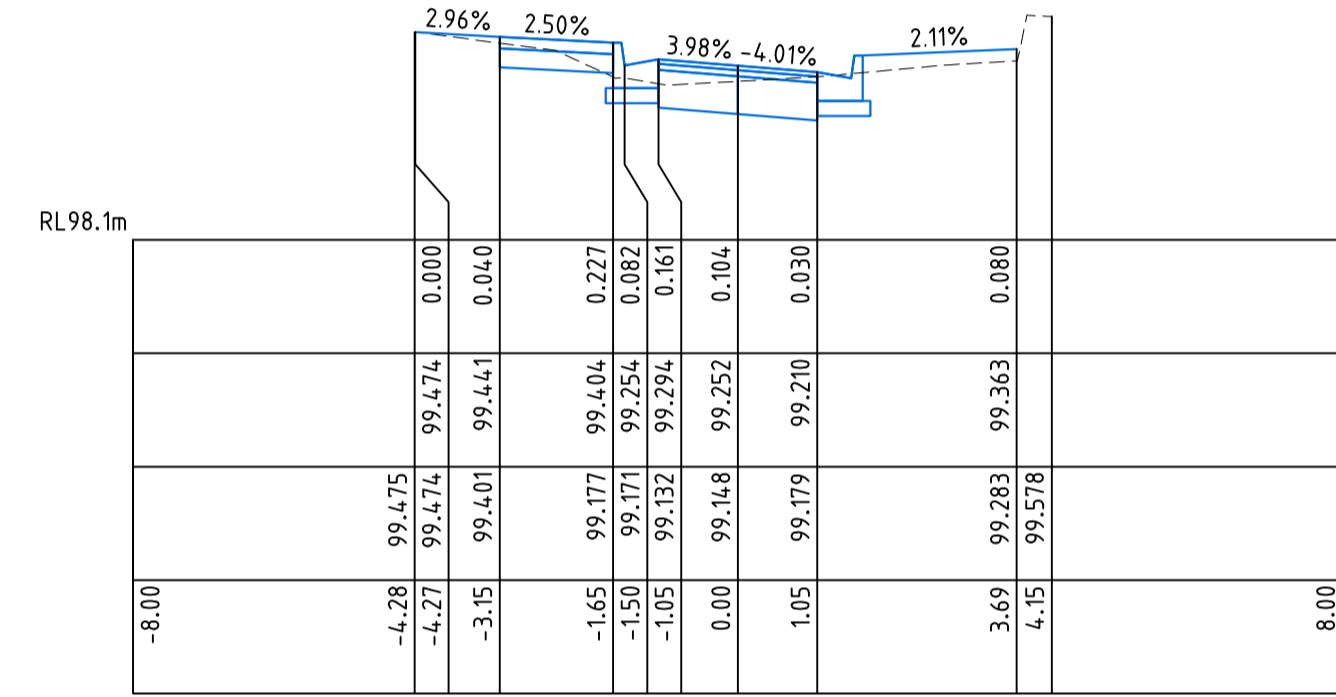
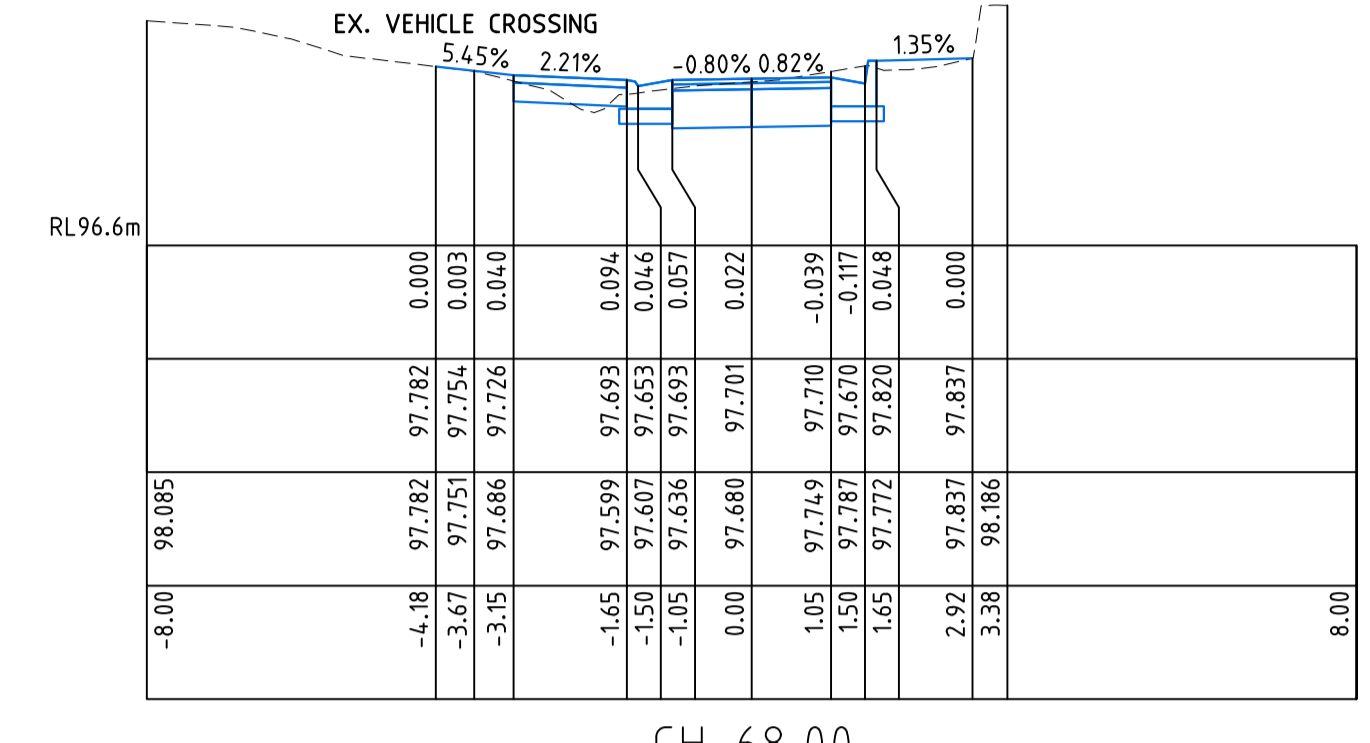
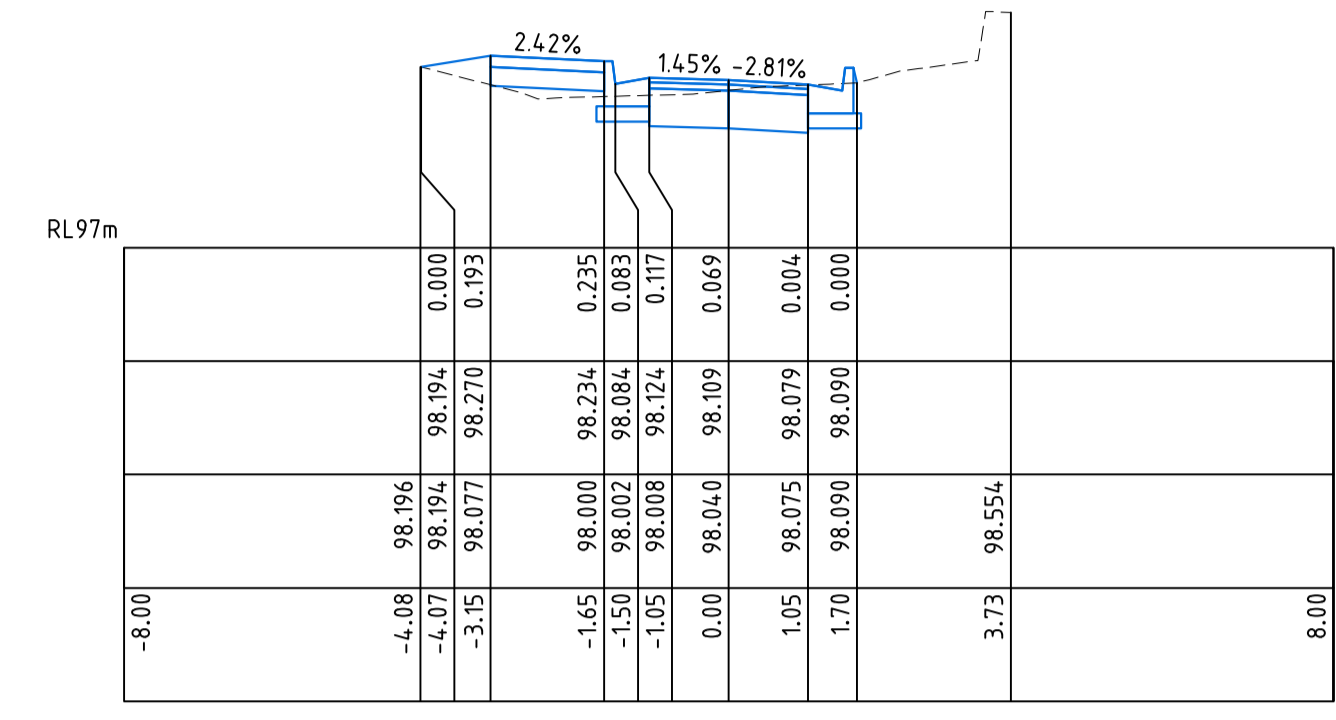
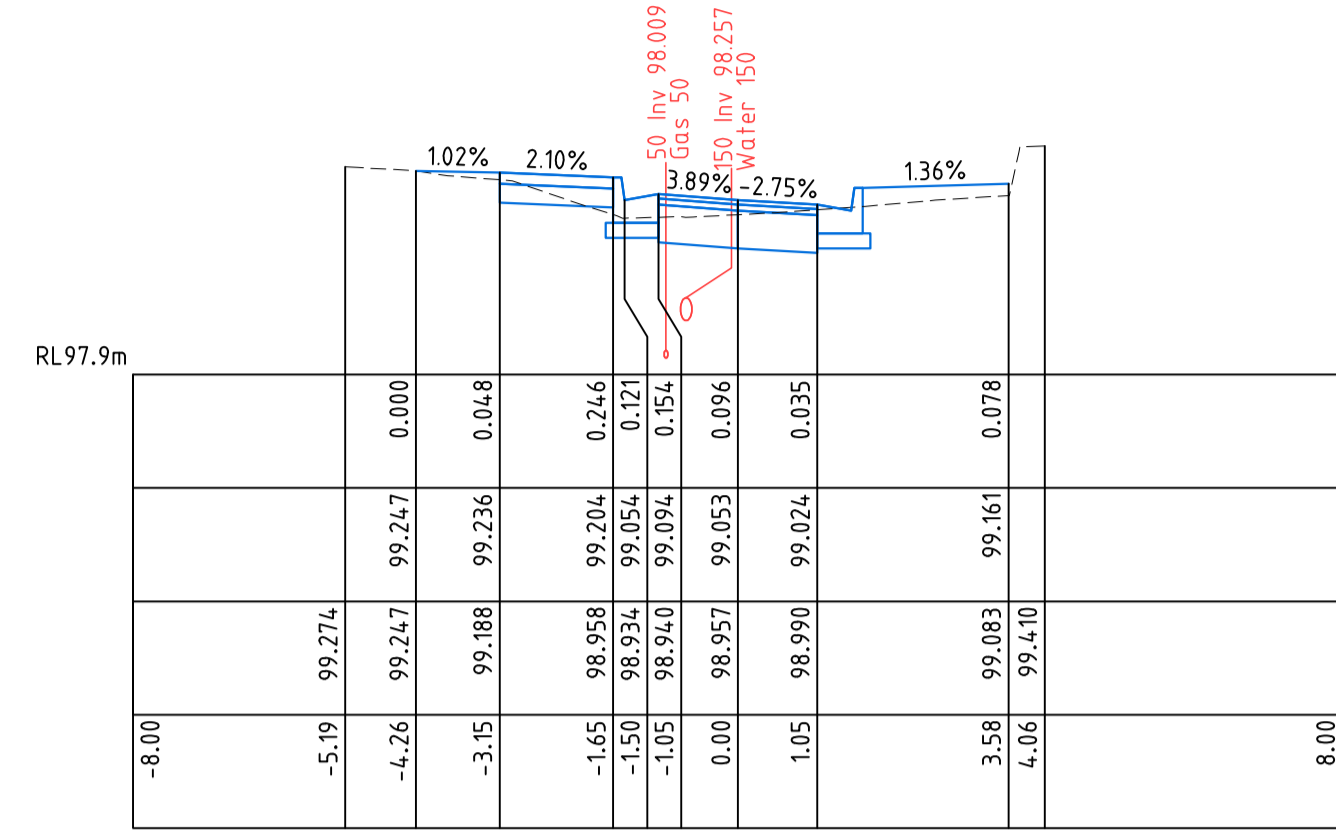
704 Mount Alexander Road, Moonee Ponds, Vic, 3039
Phone: 0417 318 556
Email: admin@creconsulting.com.au

DESIGNED : CRE	DATE : AUG 2023
CHECKED :	DATE :
SURVEYED: MOONLAND	DATE : AUG 2023
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	@A1

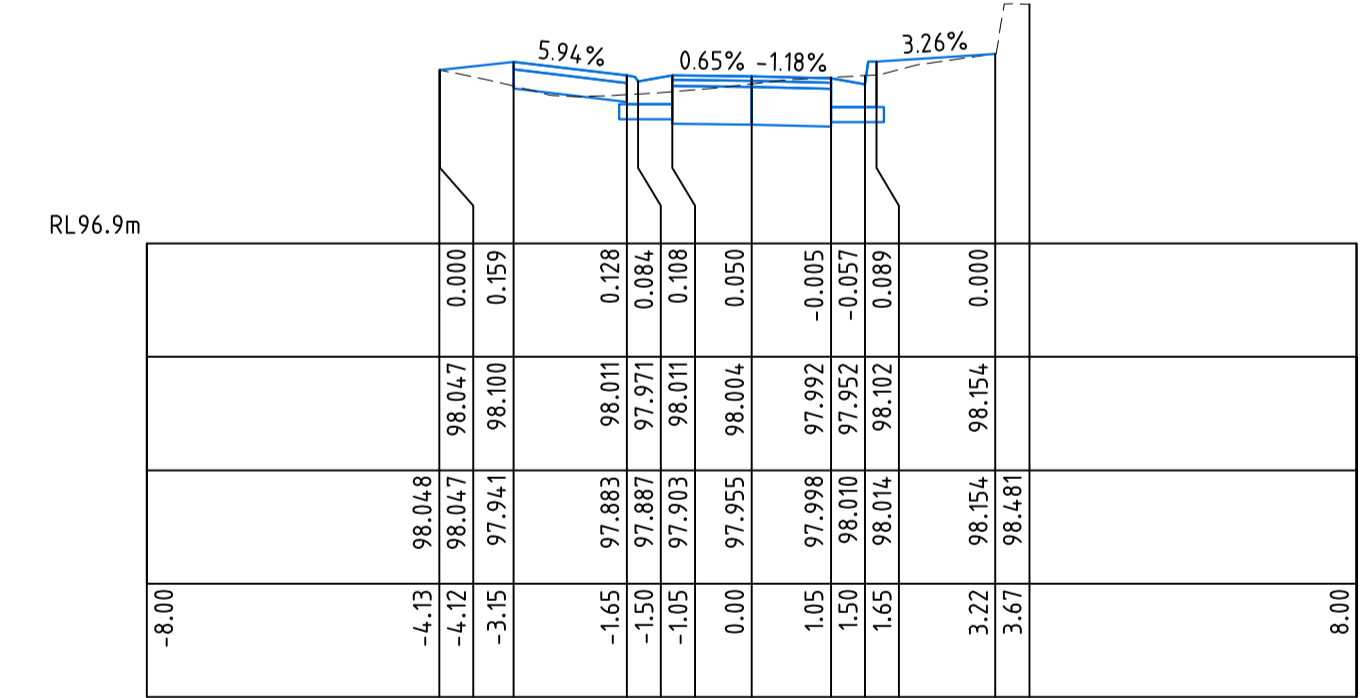
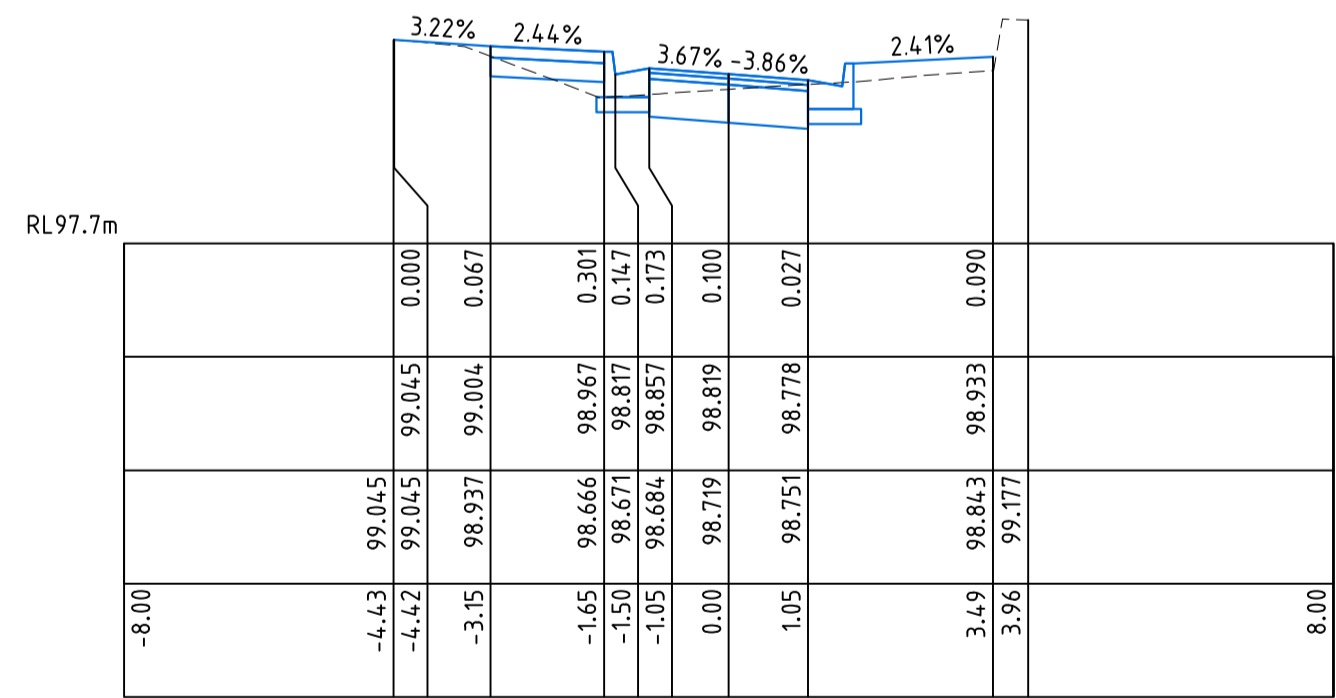
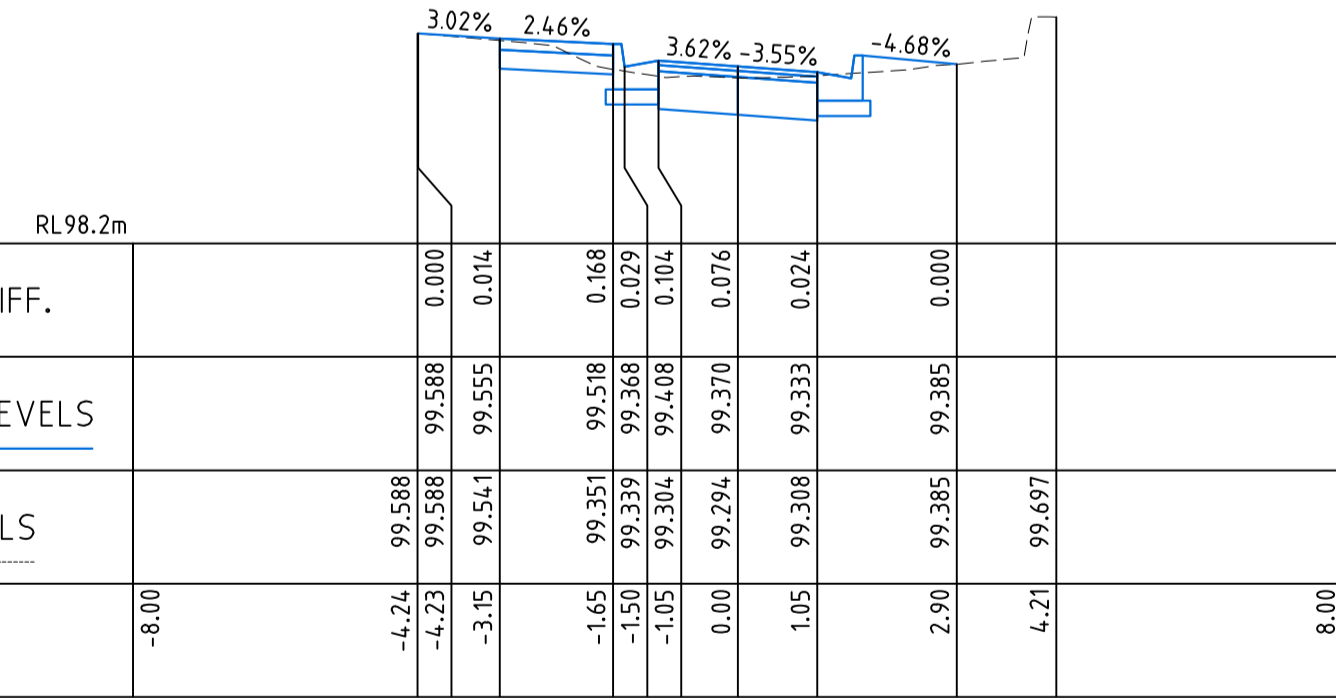
CLIENT:

MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION
KERB TYPE PLAN

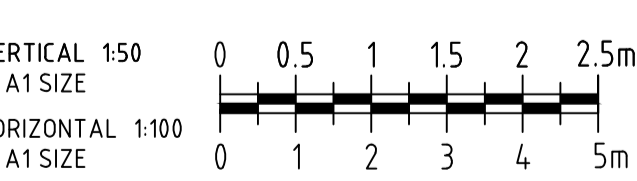
CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 5 OF 11 SIZE: A1



EXERCISE CAUTION DURING EXCAVATION IN PROXIMITY TO UNKNOWN SERVICE. ALL SERVICES ARE TO BE VERIFIED PRIOR TO COMMENCING EXCAVATION WORKS.



NOTE: SERVICES HAVE ONLY BEEN SHOWN WHERE THEY HAVE BEEN PHYSICALLY PROVEN. LOCATIONS OF ALL UNDERGROUND SERVICES MUST BE VERIFIED & PROVEN ON SITE PRIOR TO COMMENCING CONSTRUCTION.



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.

—T—	EX TELSTRA OPTIC FIBRE	—HPC—	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	—AG—	EX ABANDONED GAS MAIN
—E—	EX U/G ELECTRICITY CABLE	—E—	EX U/G ELECTRICITY CABLE
—A—	EX O/H ELECTRICITY CABLE	—O—	EX OPTUS CABLE
—HD—	EX HOUSE DRAIN		
—TS—	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL	—TS—	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
—FP—	FIRE PLUG	—FP—	FIRE PLUG
—FH—	FIRE HYDRANT (ABOVE GROUND)	—FH—	FIRE HYDRANT (ABOVE GROUND)
—FG—	FIRE HYDRANT (GROUND LEVEL)	—FG—	FIRE HYDRANT (GROUND LEVEL)
—ES—	ELECTRICITY SUPPLY POLE	—ES—	ELECTRICITY SUPPLY POLE
—E.S.P.—	E.S.P. WITH LIGHT	—E.S.P.—	E.S.P. WITH LIGHT
—LP—	LIGHT POLE ONLY	—LP—	LIGHT POLE ONLY
—TP—	TELECOM PILLAR	—TP—	TELECOM PILLAR
—EP—	EXISTING POST	—EP—	EXISTING POST
—EX—	EX SIGN	—EX—	EX SIGN
—EB—	EXISTING BOLLARD	—EB—	EXISTING BOLLARD
—RUB—	RUBBISH BIN	—RUB—	RUBBISH BIN
—PSM—	PROPOSED DRAIN & PIT	—PSM—	PROPOSED DRAIN & PIT
—STN/TBM—	STATION/TUNNEL BORE	—STN/TBM—	STATION/TUNNEL BORE
—LIM—	LIMIT OF WORKS	—LIM—	LIMIT OF WORKS
—T—	TREE	—T—	TREE

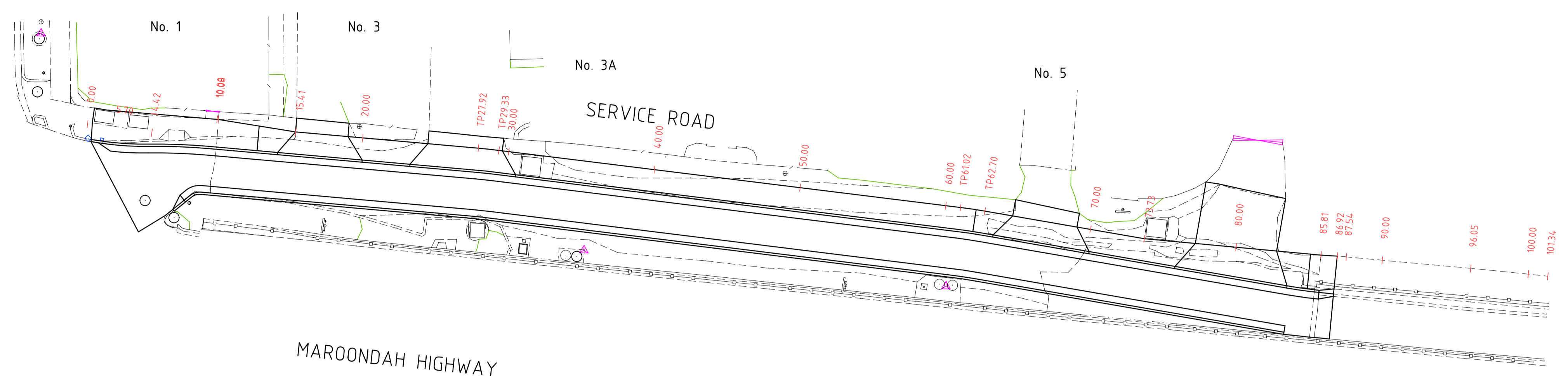
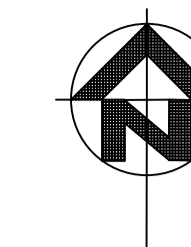
CRE
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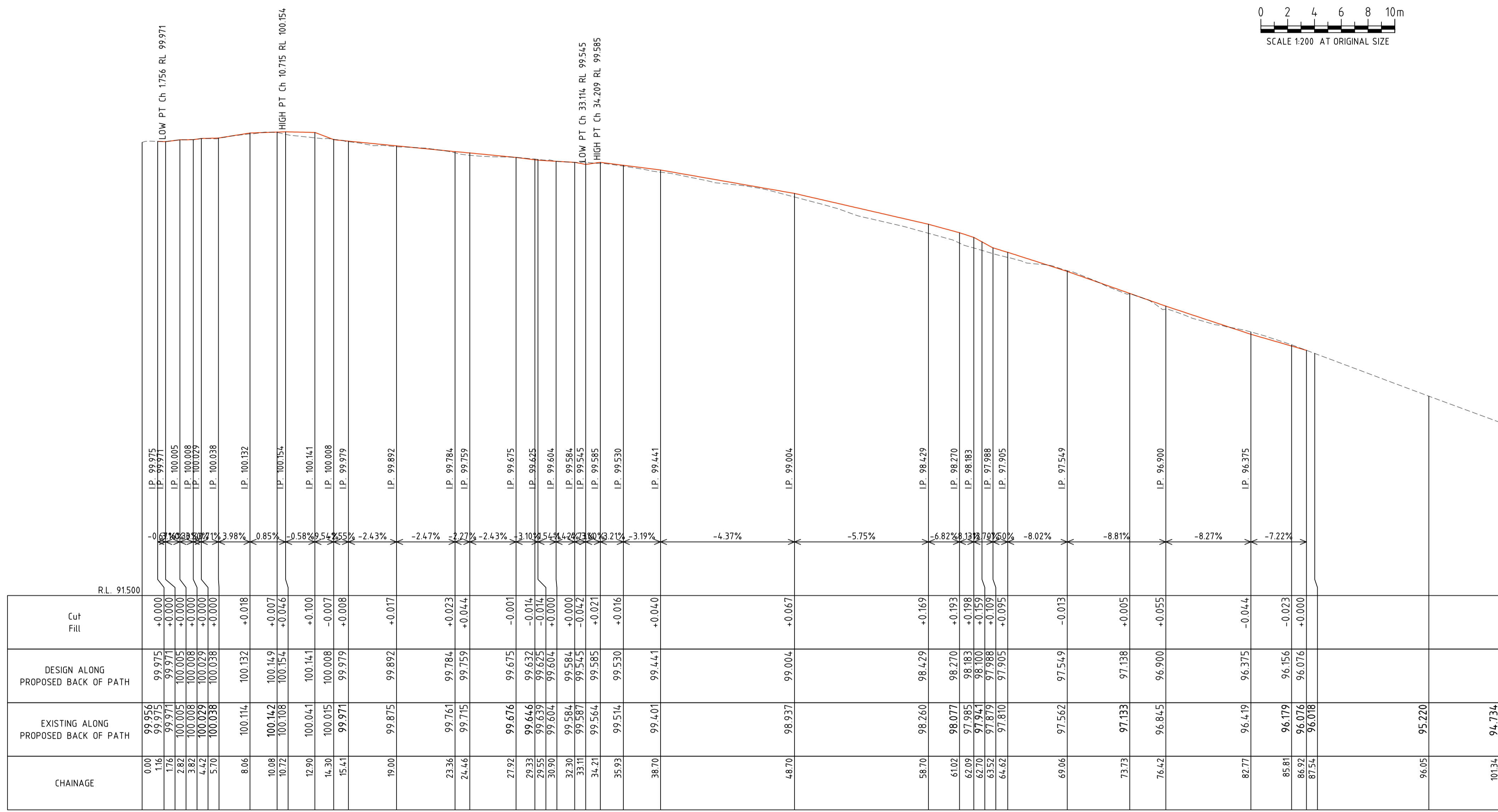


MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION
REFERENCE LINE CROSS SECTIONS

CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 8 OF 11
SIZE: A1



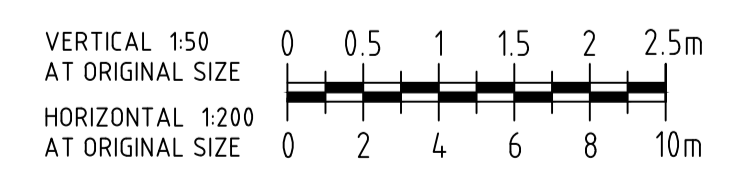
SETOUT DETAILS BACK OF PATH		
CHAINAGE	EASTING	NORTHING
4.42	1001.757	4998.816
5.70	1001.926	5000.085
10.08	1006.287	4999.708
15.41	1011.545	4998.859
27.92	1024.007	4997.753
29.33	1025.407	4997.600
61.02	1056.861	4993.714
62.70	1058.520	4993.468
73.73	1069.390	4991.588
85.81	1081.423	4990.476
86.92	1082.527	4990.393



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NOTE:
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LEGEND	
—T—	EX TELSTRA OPTIC FIBRE
—S—	EX TELSTRA CABLE & 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 D/H ELECTRICITY CABLE
—O—	EX OPTUS CABLE
—HD—	HOUSE DRAIN
⊕	STOP VALVE
⊕	FIRE PLUG
⊕	FIRE HYDRANT (ABOVE GROUND)
⊕	FIRE HYDRANT (ABOVE LEVEL)
⊕	ELECTRICITY SUPPLY POLE
⊕	E.S.P. WITH LIGHT
⊕	LIGHT POLE ONLY
⊕	TELECOM PILLAR
⊕	EXISTING POST
⊕	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
⊕	TRAFFIC SIGNAL POLE
⊕	UNCLASSIFIED PIT
⊕	FENCE
⊕	EX SIGN
⊕	EXISTING BOLLARD
⊕	RUBBISH BIN
⊕	PSM
⊕	STN/TBM
⊕	TREE
⊕	LIMIT OF WORKS
⊕	EX DRAIN & PIT
⊕	PROPOSED DRAIN & PIT

NO.	AMENDMENTS	DATE

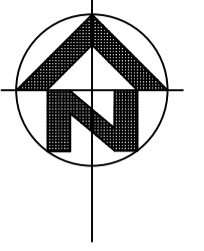
CRE
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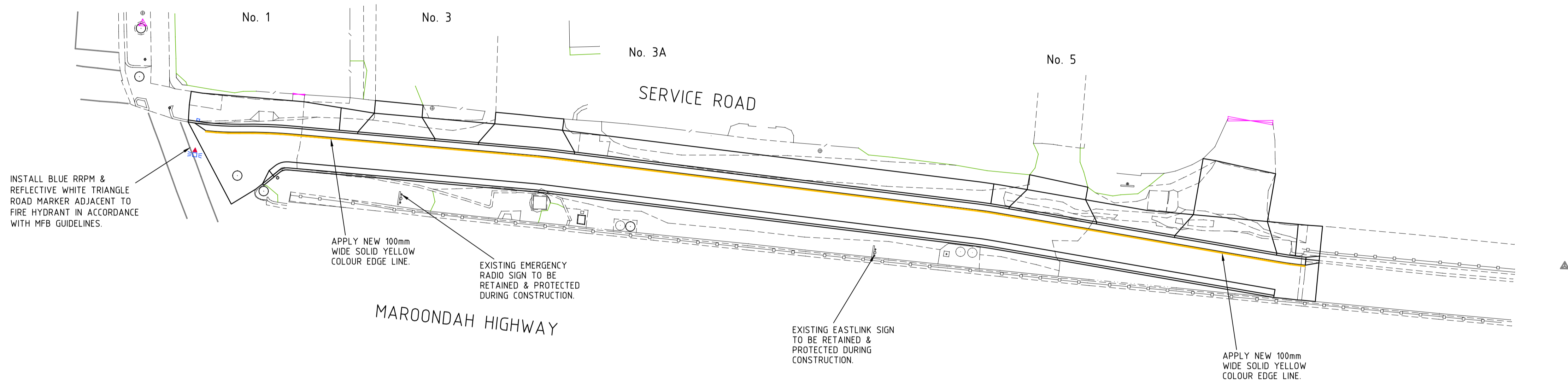


MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION
BACK OF PATH LONGITUDINAL SECTION

CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 10 OF 11
SIZE: A1



DAMPIER GROVE



NOTE:
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LEGEND	
—T—	EX TELSTRA OPTIC FIBRE
—S—	EX TELSTRA CABLE & PIT
—W—	EX WATER MAIN
—G—	EX GAS MAIN
—E—	EX U/G ELECTRICITY CABLE
—E—	EX O/H ELECTRICITY CABLE
—O—	EX OPTUS CABLE
—HD—	EX HOUSE DRAIN
—HPC—	EX HIGH PRESSURE GAS MAIN
◆	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
+	TREE
+	LIMIT OF WORKS
+	EX DRAIN & PIT
+	PROPOSED DRAIN & PIT

NO.	AMENDMENTS	DATE

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Civil • Municipal • Drainage • Project Management

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CLIENT:

MAROONDAH HIGHWAY SERVICE ROAD, RINGWOOD
ROAD RECONSTRUCTION
LINEMARKING AND SIGNAGE PLAN

CRE REF: 3044-(REV-P7).DWG
CRE REV. NO.: P7
AMEND. NO.: -
DWG. NO. 3044
SHEET: 11 OF 11
SIZE: A1