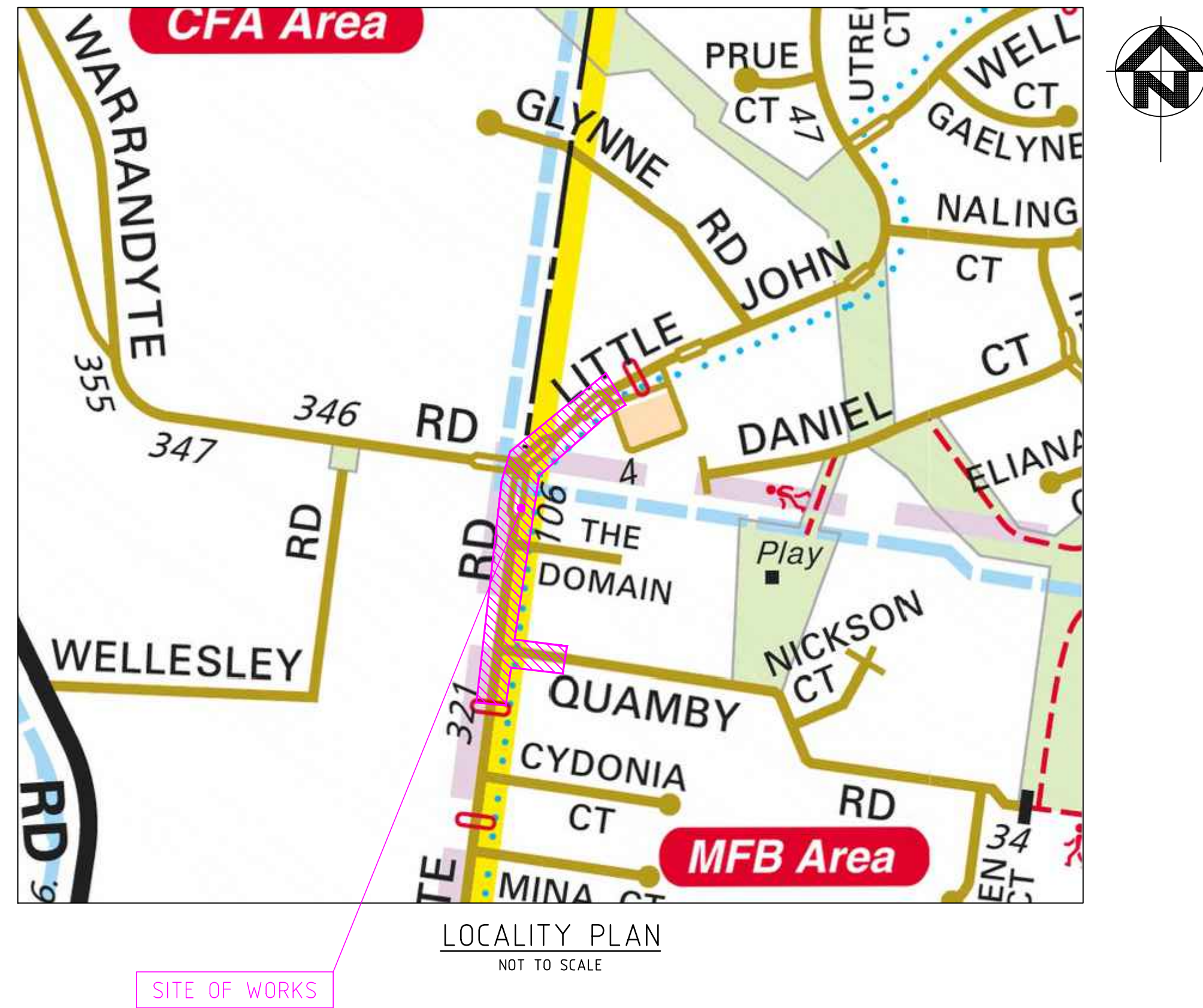


OLD WARRANDYTE ROAD, RINGWOOD NORTH FOOTPATH & KERB CONSTRUCTION

GENERAL NOTES

1. ALL LEVELS AND COORDINATES ARE TO AN ARBITRARY DATUM.
2. THE CONTRACTOR SHALL SET OUT 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 ROAD MANAGEMENT ACT 2004.
9. ALL DISTURBED AREAS WITHIN THE WORKS LIMIT SHALL BE TOPSOILED (MIN. 100mm DEPTH), CULTIVATED, FERTILISED AND SEEDDED 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 SERVICES SHOWN ON THESE PLANS ARE FOR DESIGN PURPOSES ONLY. ALL SERVICES ARE TO BE PROVEN ON-SITE BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY WORK AND PROTECTED FOR THE DURATION OF THE WORKS. LOCATIONS OF UNDERGROUND SERVICES SHOWN ON PLAN ARE INDICATIVE ONLY. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN. CONTRACTOR IS TO DEPTH ALL SERVICES CROSSING PROPOSED UNDERGROUND DRAINS & IN FULL RECONSTRUCTION AREAS PRIOR TO COMMENCING CONSTRUCTION AND NOTIFY THE SUPERINTENDENT OF ANY CONFLICT IMMEDIATELY. CONTRACTOR IS TO ALLOW ADEQUATE TIME IN HIS WORK PROGRAM FOR COUNCIL TO MODIFY THE DESIGN OR TO ARRANGE MODIFICATIONS OF SERVICES. COUNCIL WILL NOT ENTERTAIN ANY CLAIM FOR THE DELAY IN MODIFICATIONS OF SERVICES BY SERVICE PROVIDERS.
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 PLANS 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.



DRAWING INDEX	
SHEET No.	DESCRIPTION
1	FACE SHEET: - LOCALITY PLAN, GENERAL NOTES & DRAWING INDEX
2	TYPICAL SECTIONS & DETAILS
3 - 5	DETAIL PLAN
6 - 9	PAVEMENT PLAN
10 - 12	DESIGN CONTOUR & SETOUT PLAN
13 - 15	REFERENCE LINE LONGITUDINAL SECTION
16 - 17	REFERENCE LINE CROSS SECTIONS
18 - 20	FOOTPATH LONGITUDINAL SECTIONS
21	KERB RETURN LONGITUDINAL SECTION
22	DRAINAGE LONGITUDINAL SECTION & PIT SCHEDULE

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

WARNING
BEWARE OF UNDERGROUND SERVICES

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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 NEGLIGENT 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					
	TOF	EX TELSTRA OPTIC FIBRE		HPG	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)
	G	EX GAS MAIN			ELECTRICITY SUPPLY POLE
	AG	EX ABANDONED GAS MAIN			E.S.P. WITH LIGHT
	E	EX U/G ELECTRICITY CABLE			LIGHT POLE ONLY
	O/H	EX O/H ELECTRICITY CABLE			TELECOM PILLAR
	O	EX OPTUS CABLE			EXISTING POST
	H/W/S/D	EX H/W/S/D DRAIN			
	TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL			EXISTING BOLLARD
	+	TRAFFIC SIGNAL POLE			UNCLASSIFIED PIT
	/ / / / /	FENCE			TREE
		EX. SIGN			LIMIT OF WORKS
		RUBBISH BIN			EX DRAIN & PIT
	PSM	PROPOSED DRAIN & PIT			
	STN/TBM				
NO.	AMENDMENTS				DATE



DESIGNED : CRE	DATE : JUL 2026
CHECKED : DATE :	
SURVEYED: MOONLAND	DATE : JUL 2025
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	©A1

CLIENT:

 Maroondah
City Council

OLD WARRANDYTE ROAD, RINGWOOD NORTH FOOTPATH & KERB CONSTRUCTION

FACE SHEET

CRE REF: 3269-(REV-C1).DWG		
CRE REV. NO.: C1		
AMEND. NO.: -		
DWG.NO. 3269		
SHEET: 1	OF 22	SIZE: A1

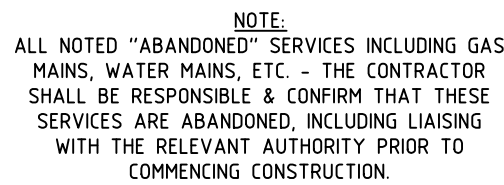
CONSTRUCTION ISSUE



N.T.S.

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NO.	AMENDMENTS	DATE



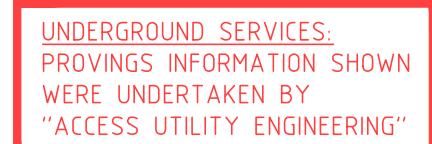
DESIGNED : CRE	DATE : JUL 2026
CHECKED : DATE :	
SURVEYED: MOONLAND	DATE : JUL 2025
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	@A



TYPICAL SECTIONS & DETAILS

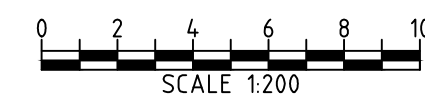
CRE REF: 3269-(REV-C1).DWG	
CRE REV. NO.: C1	
AMEND. NO.: -	
DWG.NO. 3269	
SHEET: 2 OF 22	SIZE: A1

CONSTRUCTION ISSUE



**BEFORE
YOU DIG**
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NOTE:
ALL NOTED "ABANDONED" SERVICES INCLUDING G
MAINS, WATER MAINS, ETC. - THE CONTRACTOR
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WITH THE RELEVANT AUTHORITY PRIOR TO
COMMENCING CONSTRUCTION.



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NO.	AMENDMENTS	DATE

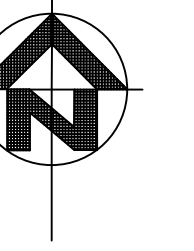


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CHECKED : DATE :	
SURVEYED: MOONLAND	DATE : JUL 202
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	



CRE REF: 3269-(REV-C1).DWG	
CRE REV. NO.: C1	
AMEND. NO.: -	
DWG.NO. 3269	
SHEET: 3 OF 22	SIZE: A1

CONSTRUCTION ISSUE



No. 329

TBM 7
RIVET IN KERB
E=2376.947
N=2412.073
RL=113.522

SAWCUT, BREAK OUT & REMOVE
EXISTING CONCRETE EDGE STRIP
TO ALLOW FOR NEW KERB
CONSTRUCTION. (TYP).

EXISTING ROAD
CENTRELINE LINEMARKING.

WEST EDGE OF BITUMEN.

TBM 8
CONC. NAIL IN BITUMEN EDGE
E=2372.387
N=2374.618
RL=112.507

No. 327

OLD WARRANDYTE ROAD

No. 325

TBM 9
CONC. NAIL IN BITUMEN
E=2361.517
N=2350.238
RL=111.407

No. 323

SAWCUT, BREAK OUT & REMOVE
EXISTING CONCRETE EDGE STRIP
TO ALLOW FOR NEW KERB
CONSTRUCTION. (TYP).

EXISTING TREE.

EXISTING
ELECTRICITY POLE.

EXISTING DOUBLE
TELSTRA PIT.

No. 100

PROPOSED FOOTPATH SURFACE
LEVELS TO MATCH TO EXISTING
TELSTRA MANHOLE COVER.

CONSTRUCT NEW SM2
SEMI-MOUNTABLE KERB & CHANNEL
AS PER STD DWG MCC-107 (TYP).

CONSTRUCT NEW CONCRETE SPOON
DRAIN ALONG FRONT OF PATH AS
PER DETAILS ON SHEET 2 (TYP).

INSTALL NEW BLUE RRP & REFLECTIVE WHITE
TRIANGLE ROAD MARKER ADJACENT TO FIRE HYDRANT
IN ACCORDANCE WITH MFB GUIDELINES.

ADJUST EXISTING FLUSH ON GROUND FIRE HYDRANT
TO MATCH NEW FINISHED SURFACE LEVELS.

ADJUST EXISTING TELSTRA PIT TO
MATCH NEW FINISHED SURFACE LEVELS.

ADJUST EXISTING STOP VALVE COVER TO
MATCH NEW FINISHED SURFACE LEVELS.

REINSTATE EXISTING STREET NAME
SIGN AT NEW LOCATION AS SHOWN
UPON COMPLETION OF WORKS.

CONSTRUCT NEW CONCRETE SPOON
DRAIN ALONG FRONT OF PATH AS
PER DETAILS ON SHEET 2 (TYP).

No. 98

EXISTING VEGETATION TO BE REMOVED "BY COUNCIL" PRIOR
TO ANY FOOTPATH WORKS COMMENCING. CONTRACTOR TO
REGRADE SURFACE BEHIND FOOTPATH TO SUIT NEW FOOTPATH
LEVELS. ALL AS DIRECTED BY COUNCIL'S SUPERINTENDENT.

CONSTRUCT NEW SM2
SEMI-MOUNTABLE KERB & CHANNEL
AS PER STD DWG MCC-107 (TYP).

EXISTING WIRE ROPE
FENCE TO BE REMOVED.

EXISTING
ELECTRICITY POLE.

MATCH PROPOSED BATTER LEVELS TO
EXISTING TELSTRA PIT COVER AS REQUIRED.

EXISTING BUSHES & TREES TO BE REMOVED
"BY COUNCIL" PRIOR TO ANY FOOTPATH
WORKS COMMENCING.

No. 96

PROPOSED GUARD RAIL SHOWN IN MAGENTA. GUARD RAIL IS SHOWN
INDICATIVELY & IS TO BE INSTALLED IN ACCORDANCE WITH ALL RELEVANT
STANDARDS & MANUFACTURER'S SPECIFICATIONS WITH FACE OF GUARD
RAIL NO MORE THAN 200mm OFFSET BEHIND FACE OF PROPOSED KERB.
ALL AS DIRECTED & APPROVED BY COUNCIL'S SUPERINTENDENT.

EXISTING TREE TO BE REMOVED
"BY COUNCIL" PRIOR TO ANY
FOOTPATH WORKS COMMENCING.

CONSTRUCT NEW CONCRETE SPOON
DRAIN ALONG FRONT OF PATH AS
PER DETAILS ON SHEET 2 (TYP).

LEGEND

① DRAINAGE PIT No.

UNDERGROUND SERVICES
PROVINGS INFORMATION SHOWN
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"ACCESS UTILITY ENGINEERING"

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COMMENCING CONSTRUCTION.

0 2 4 6 8 10m
SCALE 1:200

LEGEND	— TOF — EX TELSTRA OPTIC FIBRE		— HPG — 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)
	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/G ELECTRICITY CABLE	⊕	LIGHT POLE ONLY
	E	EX O/H ELECTRICITY CABLE	⊕	TELECOM PILLAR
	O	EX OPTUS CABLE	⊕	EXISTING POST
	HD	HOUSE DRAIN		

TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL
TS	TRAFFIC SIGNAL POLE
TS	UNCLASSIFIED PIT
EX	EX. SIGN
EX	EXISTING BOLLARD
EX	RUBBISH BIN
PSM	STN/TBM
EX	EX DRAIN & PIT
PRO	PROPOSED DRAIN & PIT

NO.	AMENDMENTS	DATE
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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 : JUL 2026
CHECKED :	DATE :
SURVEYED: MOONLAND	DATE : JUL 2025
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	@A1

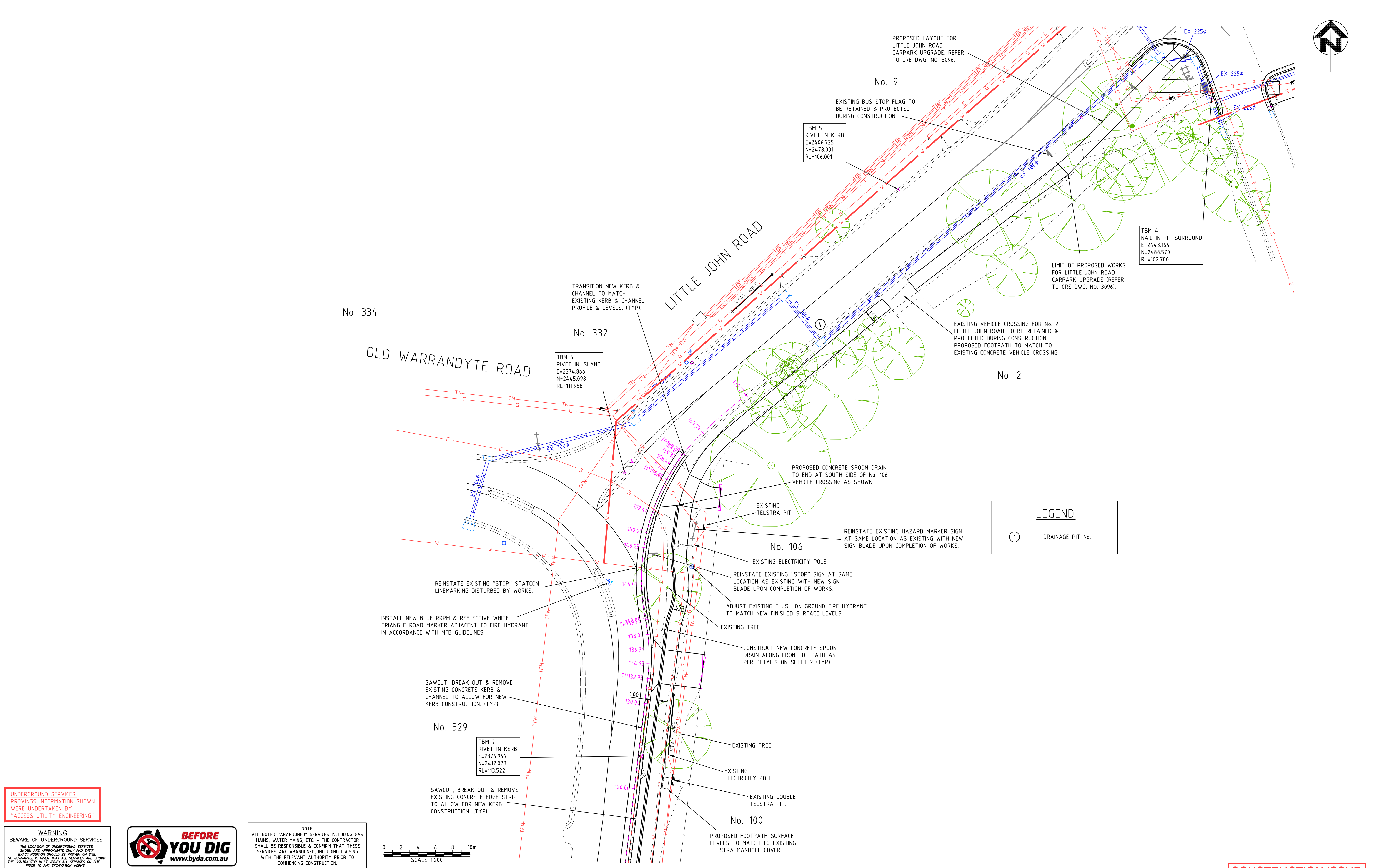
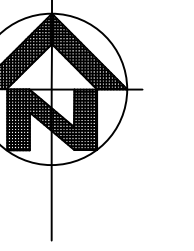
CLIENT:
Maroondah
City Council

OLD WARRANDYTE ROAD, RINGWOOD NORTH
FOOTPATH & KERB CONSTRUCTION

DETAIL PLAN

CRE REF: 3269-(REV-C1).DWG
CRE REV. NO.: C1
AMEND. NO.: -
DWG. NO. 3269
SHEET: 4 OF 22
SIZE: A1

CONSTRUCTION ISSUE



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

WARNING

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0246810

SCALE 1:200

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 O/H ELECTRICITY CABLE

—O— EX OPTUS CABLE

—HD— EX HOUSE DRAIN

◆ STOP VALVE

⊕ FIRE PLUG

⊕ FIRE HYDRANT (ABOVE GROUND)

⊕ FIRE HYDRANT (GROUND LEVEL)

⊕ E.S.P. WITH LIGHT

⊕ LIGHT POLE ONLY

⊕ TELECOM PILLAR

⊕ EXISTING POST

—TS— TRAFFIC SIGNAL PIT, CABLE, PEDESTAL

⊕ TRAFFIC SIGNAL POLE

—EX. SIGN

⊕ EXISTING BOLLARD

⊕ RUBBISH BIN

⊕ PSM

⊕ STN/TBM

⊕ UNCLASSIFIED PIT

⊕ LIMIT OF WORKS

⊕ EX DRAIN & PIT

⊕ PROPOSED DRAIN & PIT

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 : JUL 2026

CHECKED :
DATE :

SURVEYED: MOONLAND

DATE : JUL 2025

SURVEY DATUM : ARBITRARY

SCALES : AS SHOWN

ⓐA1

CLIENT:

OLD WARRANDYTE ROAD, RINGWOOD NORTH
FOOTPATH & KERB CONSTRUCTION

DETAIL PLAN

CRE REF: 3269-(REV-C1).DWG

CRE REV. NO.: C1

AMEND. NO.: -

DWG.NO. 3269

SHEET: 5 OF 22

SIZE: A1



	<u>200mm WIDTH ROAD PAVEMENT REINSTATEMENT</u> REFER TO DETAIL ON SHEET 2.
	<u>PLAIN COLOURED CONCRETE FOOTPATH</u> CONSTRUCT PLAIN COLOURED CONCRETE FOOTPATH AS PER MCC STD DWG MCC-401.
	<u>PLAIN COLOURED CONCRETE PRAM CROSSING</u> CONSTRUCT PLAIN COLOUR CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.
	<u>CONCRETE VEHICLE CROSSING</u> CONSTRUCT PLAIN COLOUR STANDARD VEHICLE CROSSINGS AS PER MCC STD DWG MCC-501.
	<u>BRICK VEHICLE CROSSING</u> REINSTATE EXISTING BRICK VEHICLE CROSSING TO SUIT NEW FINISHED SURFACE LEVELS AS REQUIRED & AS DIRECTED BY COUNCIL'S SUPERINTENDENT & TO THE SATISFACTION OF THE PROPERTY OWNER.
	<u>CRUSHED ROCK VEHICLE CROSSING</u> GRADE EXISTING CRUSHED ROCK VEHICLE CROSSING TO SUIT NEW FINISHED SURFACE LEVELS AS REQUIRED & AS DIRECTED BY COUNCIL'S SUPERINTENDENT.
	<u>CONCRETE INFILL</u> CONSTRUCT NEW CONCRETE INFILL AS PER MCC STD DWG MCC-401.
	<u>REINSTATEMENT OF NATURE STRIPS</u> REINSTATEMENT OF NATURE STRIPS / BATTERS, INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING.

LEGEND

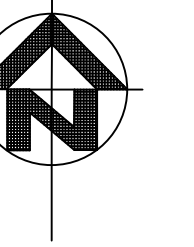
— TGF —	EX TELSTRA OPTIC FIBRE	— HPG —	EX HIGH PRESSURE GAS MAIN
T	EX TELSTRA CABLE & PIT	◇	STOP VALVE
S	EX SEWER & PIT	●	FIRE PLUG
W	EX WATER MAIN	⦿	FIRE HYDRANT (ABOVE GROUND)
A/W	EX ABANDONED WATER MAIN	⦿	FIRE HYDRANT (GROUND LEVEL)
G	EX GAS MAIN	⦿	ELECTRICITY SUPPLY POLE
ABC	EX ABANDONED GAS MAIN	⦿	E.S.P. WITH LIGHT
E	EX U/G ELECTRICITY CABLE	⦿	LIGHT POLE ONLY
E*	EX O/H ELECTRICITY CABLE	⦿	TELECOM PILLAR
O	EX OPTUS CABLE	⦿	EXISTING POST
- - - HD	HD HOUSE DRAIN.		

TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL	+	TRAFFIC SIGNAL POLE	⊗	CLOSED / EXISTING PIT	⊙	OPEN / EXISTING TREE
+	TRAFFIC SIGNAL POLE	⊗	CLOSED / EXISTING PIT	⊙	OPEN / EXISTING TREE	⊕	LIMIT OF WORKS
⊗	CLOSED / EXISTING PIT	⊙	OPEN / EXISTING TREE	⊕	LIMIT OF WORKS	⊖	EXISTING BOLLARD
⊕	EXISTING BOLLARD	⊖	EXISTING BOLLARD	⊗	RUBBISH BIN	⊘	EX DRAIN & PIT
⊖	EXISTING BOLLARD	⊗	RUBBISH BIN	⊘	EX DRAIN & PIT	⊙	PROPOSED DRAIN & PIT
⊗	RUBBISH BIN	⊘	EX DRAIN & PIT	⊙	PROPOSED DRAIN & PIT	⊕	PSM
⊘	EX DRAIN & PIT	⊙	PROPOSED DRAIN & PIT	⊕	PSM	⊖	STN/TBM
⊙	PROPOSED DRAIN & PIT	⊕	PSM	⊖	STN/TBM		
⊕	PSM	⊖	STN/TBM				
⊖	STN/TBM						

DESIGNED : CRE	DATE : JUL 2026
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SURVEYED: MOONLAND	DATE : JUL 202
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	③A

CARE REF: 3269-(REV-C1).DWG	
CARE REV. NO.: C1	
AMEND. NO.: -	
DWG.NO. 3269	
SHEET: 6 OF 22	SIZE: A1

CONSTRUCTION ISSUE



No. 323

PAVEMENT LEGEND

	600mm WIDTH ROAD PAVEMENT REINSTATEMENT REFER TO DETAIL ON SHEET 2.
	PLAIN COLOURED CONCRETE FOOTPATH CONSTRUCT PLAIN COLOURED CONCRETE FOOTPATH AS PER MCC STD DWG MCC-401.
	PLAIN COLOURED CONCRETE PRAM CROSSING CONSTRUCT PLAIN COLOUR CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.
	CONCRETE VEHICLE CROSSING CONSTRUCT PLAIN COLOUR STANDARD VEHICLE CROSSINGS AS PER MCC STD DWG MCC-501.
	BRICK VEHICLE CROSSING REINSTATE EXISTING BRICK VEHICLE CROSSING TO SUIT NEW FINISHED SURFACE LEVELS AS REQUIRED & AS DIRECTED BY COUNCIL'S SUPERINTENDENT & TO THE SATISFACTION OF THE PROPERTY OWNER.
	CRUSHED ROCK VEHICLE CROSSING REGRADE EXISTING CRUSHED ROCK VEHICLE CROSSING TO SUIT NEW FINISHED SURFACE LEVELS AS REQUIRED & AS DIRECTED BY COUNCIL'S SUPERINTENDENT.
	CONCRETE INFILL CONSTRUCT NEW CONCRETE INFILL AS PER MCC STD DWG MCC-401.
	REINSTATEMENT OF NATURE STRIPS REINSTATEMENT OF NATURE STRIPS / BATTERS, INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING.

No. 321

OLD WARRANDYTE ROAD

No. 92

QUAMBY ROAD

STAY WIRE

No. 90

No. 317

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

WARNING
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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.



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

NO.	AMENDMENTS	DATE
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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 : JUL 2026
CHECKED : DATE :	
SURVEYED: MOONLAND	DATE : JUL 2025
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	@A1



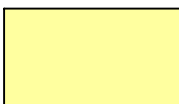
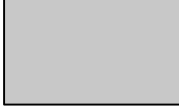
OLD WARRANDYTE ROAD, RINGWOOD NORTH
FOOTPATH & KERB CONSTRUCTION
PAVEMENT PLAN

CRE REF: 3269-(REV-C1).DWG
CRE REV. NO.: C1
AMEND. NO.: -
DWG. NO. 3269
SHEET: 7 OF 22
SIZE: A1

CONSTRUCTION ISSUE

No. 100

PAVEMENT LEGEND

	<u>60mm WIDTH ROAD PAVEMENT REINSTATEMENT</u> REFER TO DETAIL ON SHEET 2.
	<u>PLAIN COLOURED CONCRETE FOOTPATH</u> CONSTRUCT PLAIN COLOURED CONCRETE FOOTPATH AS PER MCC STD DWG MCC-401.
	<u>PLAIN COLOURED CONCRETE PRAM CROSSING</u> CONSTRUCT PLAIN COLOUR CONCRETE PRAM CROSSING AS PER MCC STD DWG MCC-405 & MCC-406.
	<u>CONCRETE VEHICLE CROSSING</u> CONSTRUCT PLAIN COLOUR STANDARD VEHICLE CROSSINGS AS PER MCC STD DWG MCC-501.
	<u>BRICK VEHICLE CROSSING</u> REINSTATE EXISTING BRICK VEHICLE CROSSING TO SUIT NEW FINISHED SURFACE LEVELS AS REQUIRED & AS DIRECTED BY COUNCIL'S SUPERINTENDENT & TO THE SATISFACTION OF THE PROPERTY OWNER.
	<u>CRUSHED ROCK VEHICLE CROSSING</u> REGRADE EXISTING CRUSHED ROCK VEHICLE CROSSING TO SUIT NEW FINISHED SURFACE LEVELS AS REQUIRED & AS DIRECTED BY COUNCIL'S SUPERINTENDENT.
	<u>CONCRETE INFILL</u> CONSTRUCT NEW CONCRETE INFILL AS PER MCC STD DWG MCC-401.
	<u>REINSTATEMENT OF NATURE STRIPS</u> REINSTATEMENT OF NATURE STRIPS / BATTERS, INCLUDING SUPPLY AND SPREADING OF 100mm DEPTH TOP SOIL AND HYDRO MULCHING.

No. 327

OLD WARRANDYTE ROAD

No. 325

No. 98

No. 96

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

WARNING
BEWARE OF UNDERGROUND SERVICES
THE LOCATION OF UNDERGROUND SERVICES
SHOWN ARE APPROXIMATE ONLY AND THEIR
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NOTE:
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LEGEND

— T —	EX TELSTRA OPTIC FIBRE	— HPG —	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)
— G —	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
— E —	EX O/H ELECTRICITY CABLE	◆	TELECOM PILLAR
— O —	EX OPTUS CABLE	◆	EXISTING POST
— — —	HOUSE DRAIN		

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

L		
T		
E		
T		
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 : JUL 2026
CHECKED : DATE :	
SURVEYED: MOONLAND	DATE : JUL 2025
SURVEY DATUM : ARBITRARY	
SCALES : AS SHOWN	@A1

CLIENT:

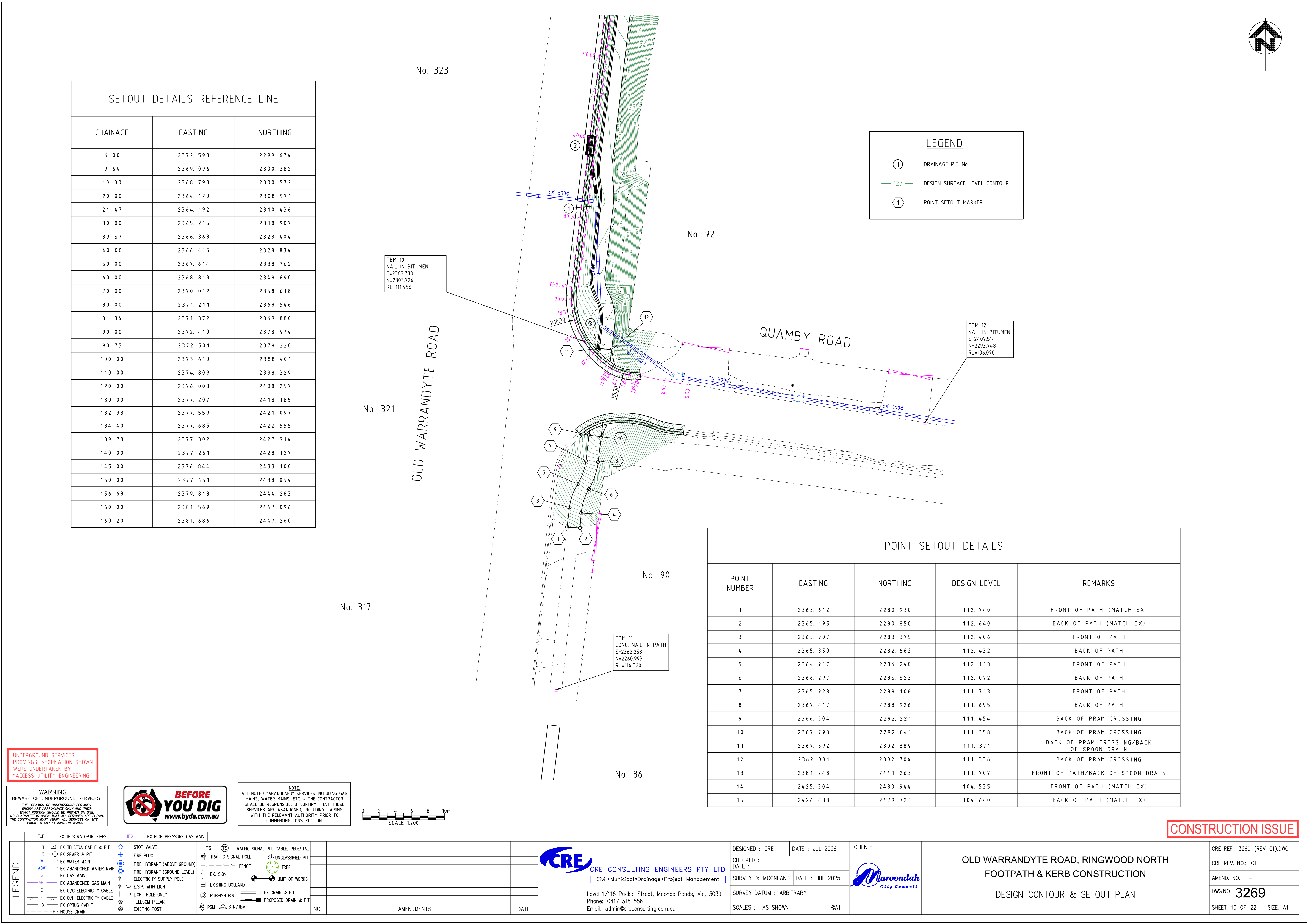


OLD WARRANDYTE ROAD, RINGWOOD NORTH
FOOTPATH & KERB CONSTRUCTION

PAVEMENT PLAN

CARE REF: 3269-(REV-C1).DWG	
CARE REV. NO.: C1	
AMEND. NO.: -	
DWG.NO. 3269	
SHEET: 8 OF 22	SIZE: A1

CONSTRUCTION ISSUE



SETOUT DETAILS REFERENCE LINE		
CHAINAGE	EASTING	NORTHING
6.00	2372.593	2299.674
9.64	2369.096	2300.382
10.00	2368.793	2300.572
20.00	2364.120	2308.971
21.47	2364.192	2310.436
30.00	2365.215	2318.907
39.57	2366.363	2328.404
40.00	2366.415	2328.834
50.00	2367.614	2338.762
60.00	2368.813	2348.690
70.00	2370.012	2358.618
80.00	2371.211	2368.546
81.34	2371.372	2369.880
90.00	2372.410	2378.474
90.75	2372.501	2379.220
100.00	2373.610	2388.401
110.00	2374.809	2398.329
120.00	2376.008	2408.257
130.00	2377.207	2418.185
132.93	2377.559	2421.097
134.40	2377.685	2422.555
139.78	2377.302	2427.914
140.00	2377.261	2428.127
145.00	2376.844	2433.100
150.00	2377.451	2438.054
156.68	2379.813	2444.283
160.00	2381.569	2447.096
160.20	2381.686	2447.260

UNDERGROUND SERVICES
PROVINGS INFORMATION SHOWN
WERE UNDERTAKEN BY
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LEGEND	—T— EX TELSTRA OPTIC FIBRE		—HPC— EX HIGH PRESSURE GAS MAIN	
	—E—	EX TELSTRA CABLE & PIT	—STOP VALVE—	
	—S—	EX SEWER & PIT	—FIRE PLUG—	
	—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/G ELECTRICITY CABLE	—LIGHT POLE ONLY—	
	—O/H—	EX O/H ELECTRICITY CABLE	—TELECOM PILLAR—	
	—E—	EX OPTUS CABLE	—EXISTING POST—	
—HD—	EX HOUSE DRAIN			
		—TS—	—TS—	
		—TRAFFIC SIGNAL PIT, CABLE, PEDESTAL—	—TRAFFIC SIGNAL POLE—	
		—FENCE—	—UNCLASSIFIED PIT—	
		—EX. SIGN—	—TREE—	
		—LIMIT OF WORKS—		
		—EXISTING BOLLARD—		
		—RUBBISH BIN—	—EX DRAIN & PIT—	
		—PSM—	—PROPOSED DRAIN & PIT—	
		—STN/TBM—		

CRE CONSULTING ENGINEERS PTY LTD	DESIGNED : CRE	DATE : JUL 2026	CLIENT:
Civil • Municipal • Drainage • Project Management	CHECKED : DATE :		
Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039	SURVEYED: MOONLAND	DATE : JUL 2025	
Phone: 0417 318 556	SURVEY DATUM : ARBITRARY		
Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1	

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Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1	

OLD WARRANDYTE ROAD, RINGWOOD NORTH	CRE REF: 3269-(REV-C1).DWG
FOOTPATH & KERB CONSTRUCTION	CRE REV. NO.: C1
DESIGN CONTOUR & SETOUT PLAN	AMEND. NO.: -
	DWG. NO. 3269
	SHEET: 12 OF 22
	SIZE: A1

SETOUT DETAILS REFERENCE LINE		
CHAINAGE	EASTING	NORTHING
6.00	2372.593	2299.674
9.64	2369.096	2300.382
10.00	2368.793	2300.572
20.00	2364.120	2308.971
21.47	2364.192	2310.436
30.00	2365.215	2318.907
39.57	2366.363	2328.404
40.00	2366.415	2328.834
50.00	2367.614	2338.762
60.00	2368.813	2348.690
70.00	2370.012	2358.618
80.00	2371.211	2368.546
81.34	2371.372	2369.880
90.00	2372.410	2378.474
90.75	2372.501	2379.220
100.00	2373.610	2388.401
110.00	2374.809	2398.329
120.00	2376.008	2408.257
130.00	2377.207	2418.185
132.93	2377.559	2421.097
134.40	2377.685	2422.555
139.78	2377.302	2427.914
140.00	2377.261	2428.127
145.00	2376.844	2433.100
150.00	2377.451	2438.054
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160.00	2381.569	2447.096
160.20	2381.686	2447.260

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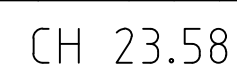
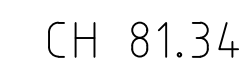
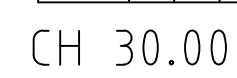
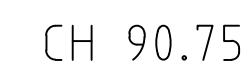
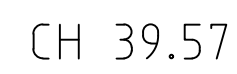
LEGEND	—T— EX TELSTRA OPTIC FIBRE		—HPC— EX HIGH PRESSURE GAS MAIN	
	—E—	EX TELSTRA CABLE & PIT	—STOP VALVE—	
	—S—	EX SEWER & PIT	—FIRE PLUG—	
	—W—	EX WATER MAIN	—FIRE HYDRANT (ABOVE GROUND)—	
	—ABW—	EX ABANDONED WATER MAIN	—FIRE HYDRANT (GROUND LEVEL)—	
	—G—	EX GAS MAIN	—ELECTRICITY SUPPLY POLE—	
	—ABG—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

CRE CONSULTING ENGINEERS PTY LTD	DESIGNED : CRE	DATE : JUL 2026	CLIENT:
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Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039	SURVEYED: MOONLAND	DATE : JUL 2025	
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Email: admin@creconsulting.com.au	SCALES : AS SHOWN	@A1	

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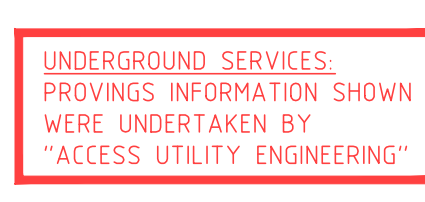
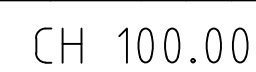
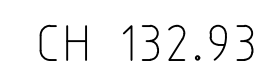
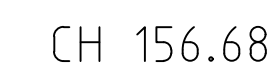
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Level 1/116 Puckle Street, Moonee Ponds, Vic, 3039	SURVEYED: MOONLAND	DATE : JUL 2025	
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OLD WARRANDYTE ROAD, RINGWOOD NORTH	CRE REF: 3269-(REV-C1).DWG
FOOTPATH & KERB CONSTRUCTION	CRE REV. NO.: C1
DESIGN CONTOUR & SETOUT PLAN	AMEND. NO.: -
	DWG. NO. 3269
	SHEET: 12 OF 22
	SIZE: A1

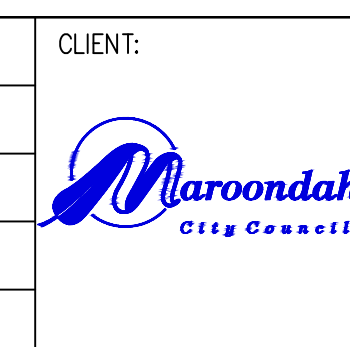


CRE REF: 3269-(REV-C1).DWG	
CRE REV. NO.: C1	
AMEND. NO.: -	
DWG.NO. 3269	
SHEET: 16 OF 22	SIZE: A1

CONSTRUCTION ISSUE



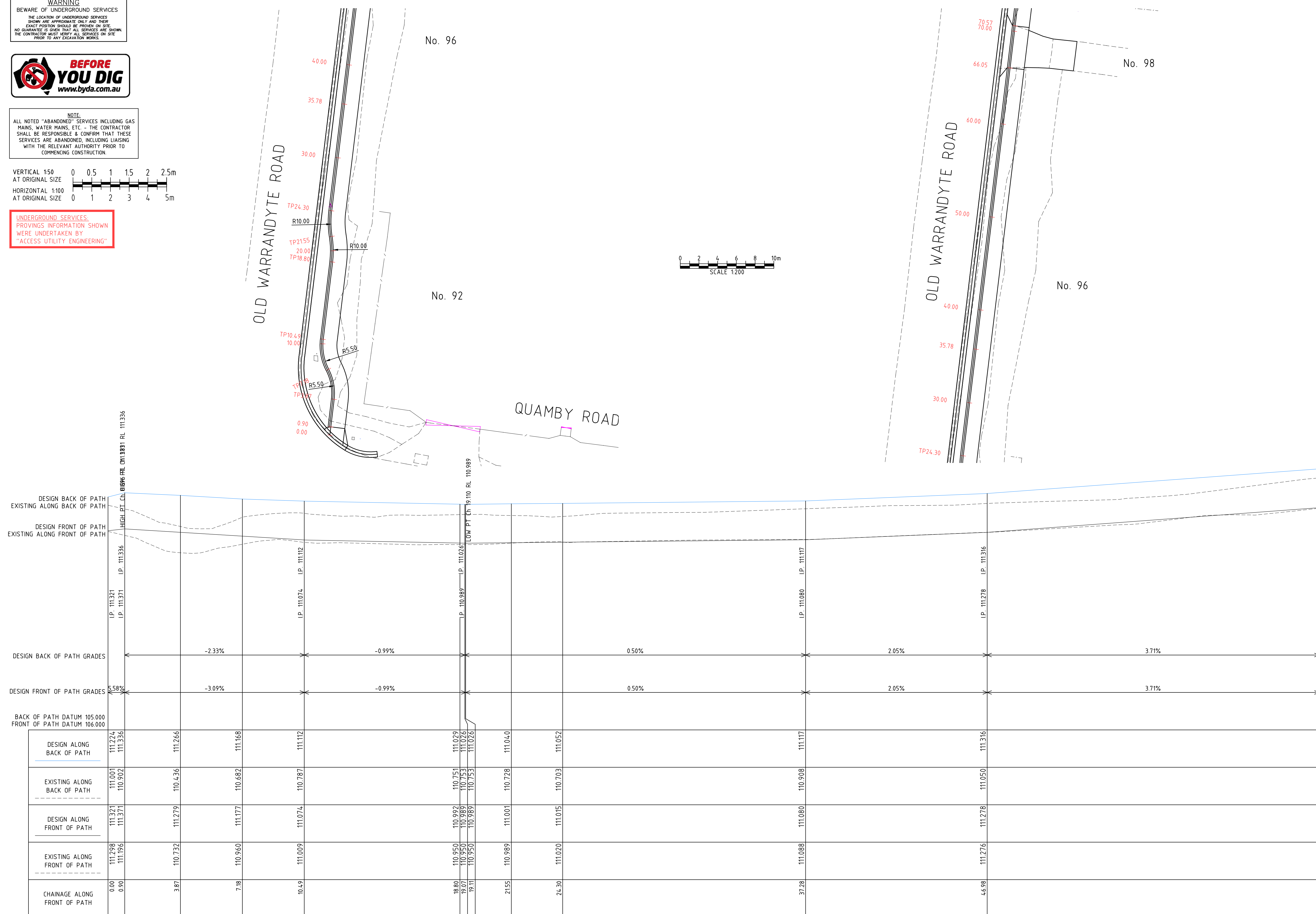
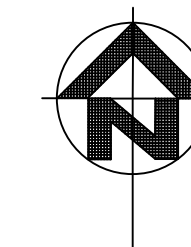
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NO.	AMENDMENTS	DATE



CRE REF: 3269-(REV-C1).DWG	
CRE REV. NO.: C1	
AMEND. NO.: -	
DWG.NO. 3269	
SHEET: 17 OF 22	SIZE: A1

CONSTRUCTION ISSUE

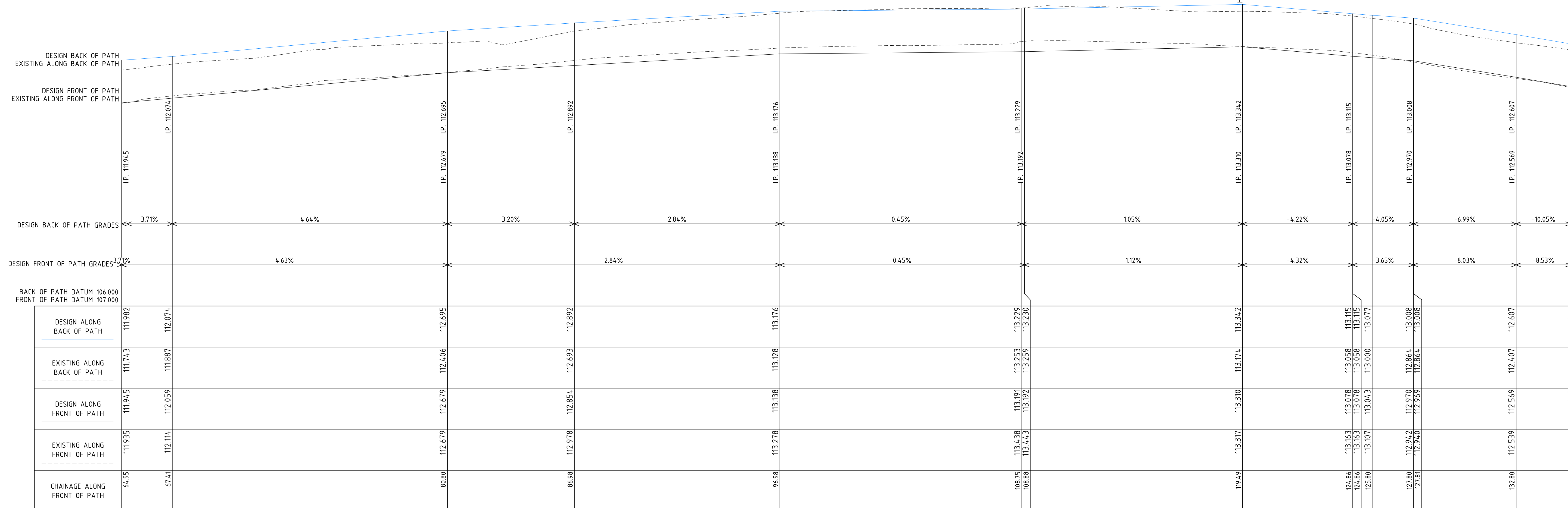
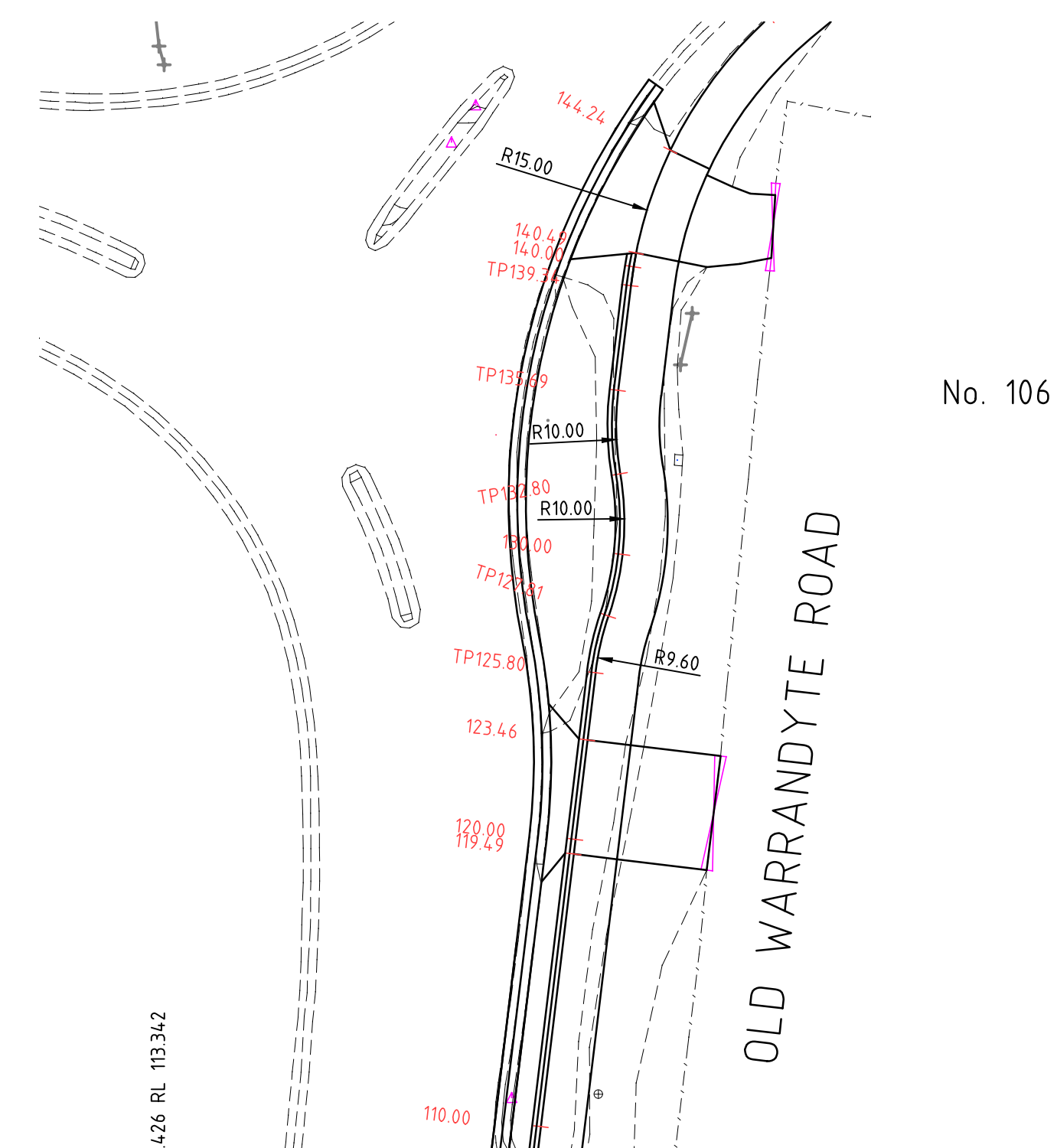
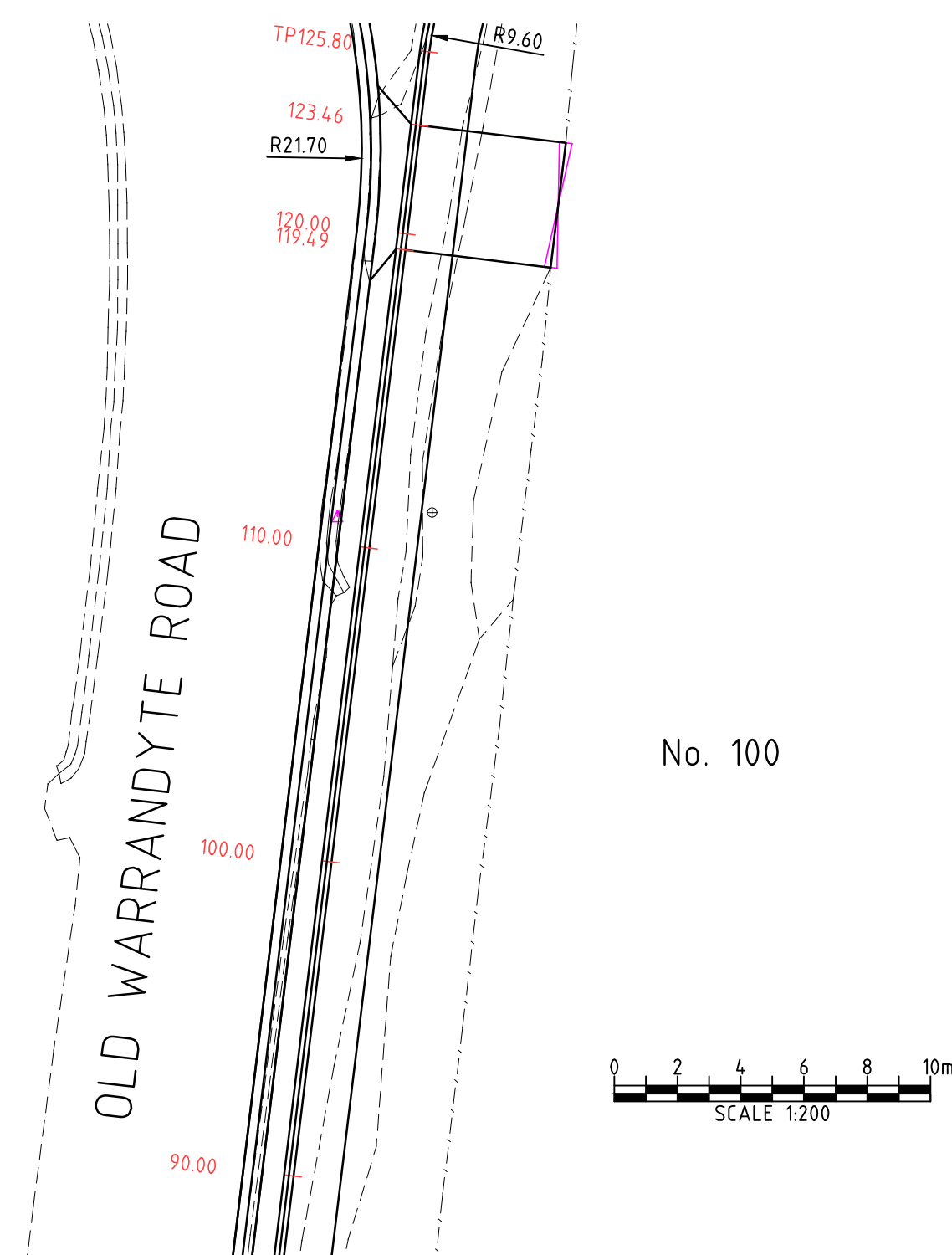
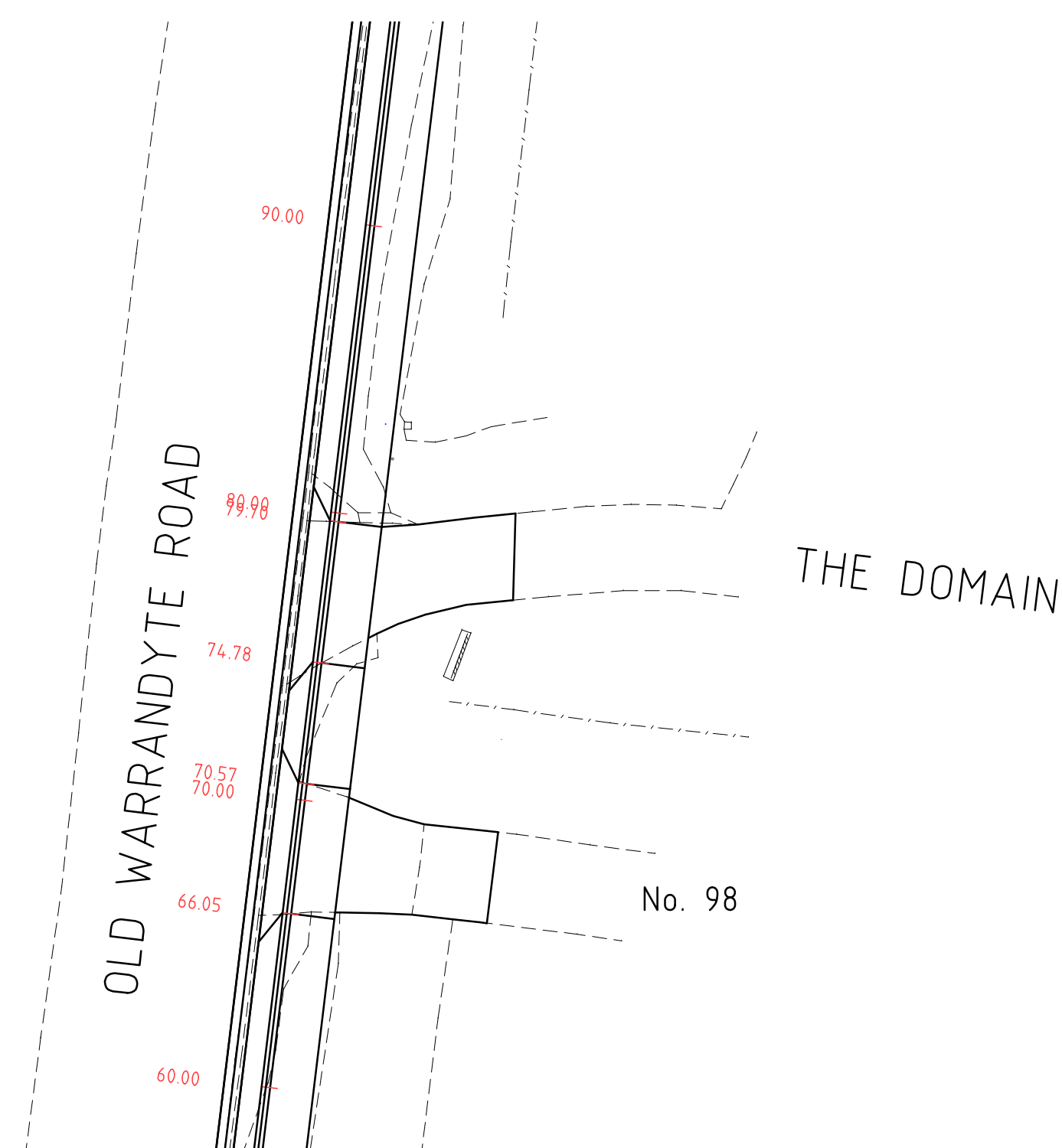
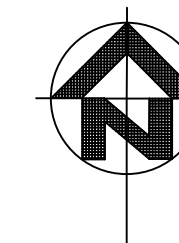
UNDERGROUND SERVICES:
PROVINGS INFORMATION SHOWN
WERE UNDERTAKEN BY
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CONSTRUCTION ISSUE

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 — ASW — 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 — H — EX HIGH VOLTAGE CABLE ◆ 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/TEM — UNCLASSIFIED PIT — TREE — EX DRAIN & PIT — PROPOSED DRAIN & PIT		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 : JUL 2026 CHECKED : DATE : SURVEYED: MOONLAND DATE : JUL 2025 SURVEY DATUM : ARBITRARY SCALES : AS SHOWN @A1		CLIENT: Maroondah City Council		OLD WARRANDYTE ROAD, RINGWOOD NORTH FOOTPATH & KERB CONSTRUCTION FOOTPATH LONGITUDINAL SECTION		CRE REF: 3269--(REV-C1).DWG CRE REV. NO.: C1 AMEND. NO.: - DWG. NO. 3269 SHEET: 18 OF 22 SIZE: A1	
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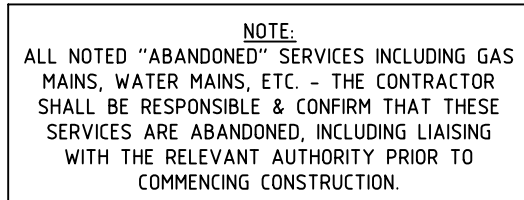
UNDERGROUND SERVICES:
PROVINGS INFORMATION SHOWN
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"ACCESS UTILITY ENGINEERING"



CONSTRUCTION ISSUE

LEGEND 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 HOUSE DRAIN 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 TRAFFIC SIGNAL PIT, CABLE, PEDESTAL TRAFFIC SIGNAL POLE UNCLASSIFIED PIT FENCE TREE EX. SIGN LIMIT OF WORKS EXISTING BOLLARD RUBBISH BIN EX DRAIN & PIT PROPOSED DRAIN & PIT PSM STN/TEM		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 : JUL 2026 CHECKED : DATE : SURVEYED: MOONLAND DATE : JUL 2025 SURVEY DATUM : ARBITRARY SCALES : AS SHOWN @A1		CLIENT: Maroondah City Council OLD WARRANDYTE ROAD, RINGWOOD NORTH FOOTPATH & KERB CONSTRUCTION FOOTPATH LONGITUDINAL SECTION		CRE REF: 3269--(REV-C1).DWG CRE REV. NO.: C1 AMEND. NO.: -- DWG.NO. 3269 SHEET: 19 OF 22 SIZE: A1	
		NO. AMENDMENTS DATE							

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



VERTICAL 1:50
AT ORIGINAL SIZE

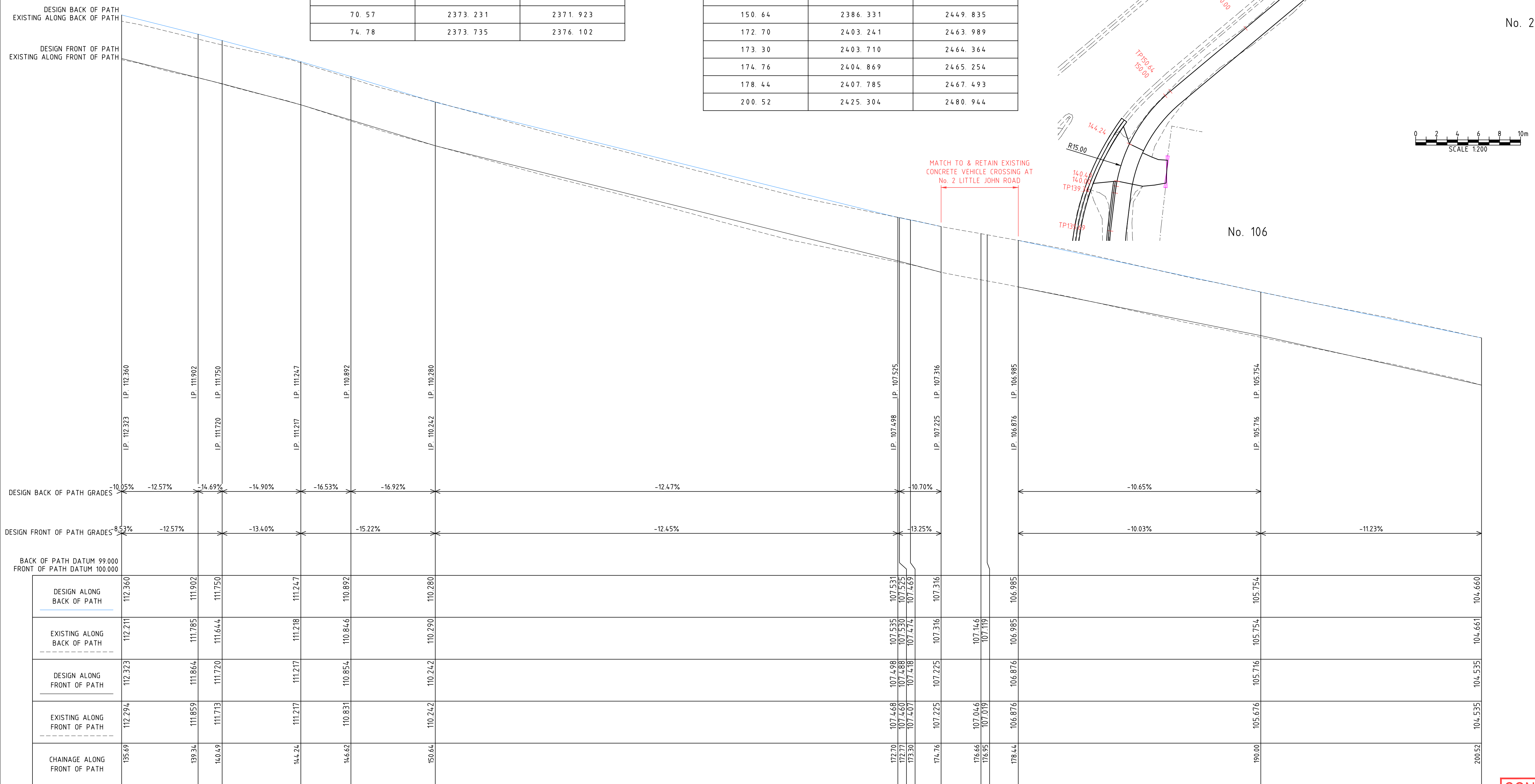
HORIZONTAL 1:100
AT ORIGINAL SIZE

0 0.5 1 1.5 2 2.5m

0 1 2 3 4 5m

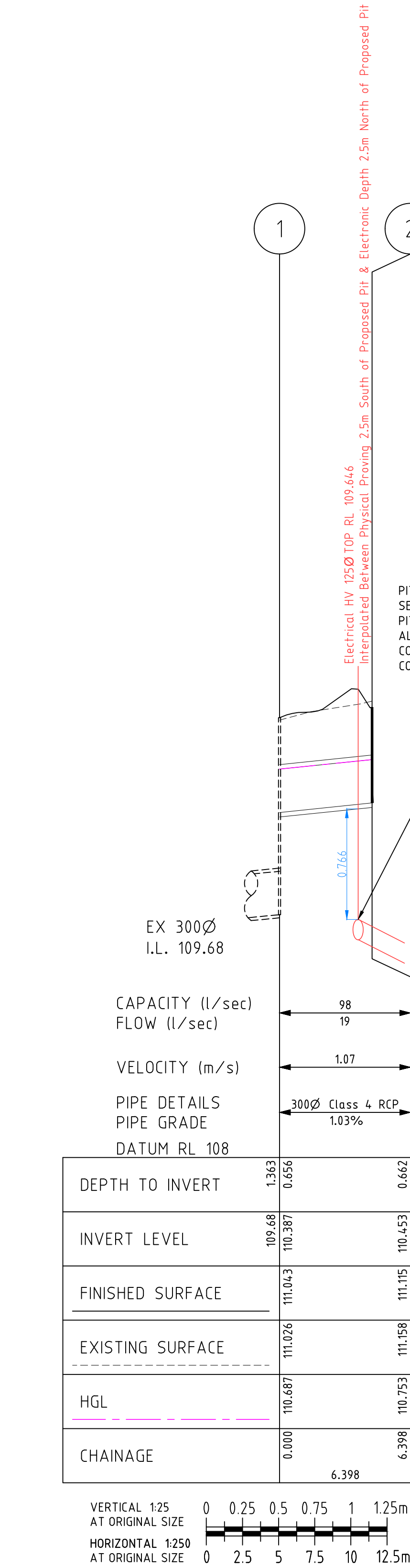
SETOUT DETAILS FRONT OF PATH ALONG OLD WARRANDYTE ROAD/LITTLE JOHN ROAD		
CHAINAGE	EASTING	NORTHING
0. 00	2367. 485	2301. 994
0. 90	2367. 592	2302. 884
3. 87	2367. 949	2305. 837
7. 18	2367. 363	2309. 043
10. 49	2366. 778	2312. 249
18. 80	2367. 775	2320. 505
21. 55	2367. 728	2323. 243
24. 30	2367. 682	2325. 981
35. 79	2369. 059	2337. 386
66. 05	2372. 688	2367. 434
70. 57	2373. 231	2371. 923
74. 78	2373. 735	2376. 102

SETOUT DETAILS FRONT OF PATH ALONG OLD WARRANDYTE ROAD/LITTLE JOHN ROAD		
CHAINAGE	EASTING	NORTHING
79.70	2374.325	2380.984
119.49	2379.097	2420.487
123.46	2379.573	2424.426
125.80	2379.853	2426.751
127.81	2380.302	2428.710
132.80	2380.700	2433.632
135.69	2380.629	2436.511
139.34	2381.067	2440.131
140.49	2381.248	2441.263
144.24	2382.430	2444.812
150.64	2386.331	2449.835
172.70	2403.241	2463.989
173.30	2403.710	2464.364
174.76	2404.869	2465.254
178.44	2407.785	2467.493
200.52	2425.304	2480.944



CONSTRUCTION ISSUE

[illegible]



DESIGN CRITERIA

ARI = 10 YEAR
COEFFICIENT OF RUN-OFF (LOTS) = 0.75
COEFFICIENT OF RUN-OFF (ROADS) = 0.90
ADOPTED TIME OF CONCENTRATION = 6 MINUTES
OVERALL CATCHMENT AREA = 0.074 Ha

PIT #2 IS TO BE CONSTRUCTED ABOVE EXISTING 125Ø HIGH VOLTAGE ELECTRICAL SERVICE. CAUTION TO BE TAKEN WHEN EXCAVATING FOR & CONSTRUCTING NEW PIT. THE CIVIL CONTRACTOR IS TO VERIFY EXISTING SERVICE SIZE, DEPTH & ALIGNMENT PRIOR TO COMMENCING CONSTRUCTION. IF SERVICE IS FOUND TO BE IN CONFLICT WITH PROPOSED DRAINAGE, THE CIVIL CONTRACTOR IS TO NOTIFY COUNCIL'S SUPERINTENDENT IMMEDIATELY BEFORE PROCEEDING.

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	GRATED JP	EX	EX	EX 300	109.680	300 EX 300	110.387 109.730	1.391	111.071	2367.227	2320.847	ADJUST EXISTING JUNCTION PIT TO MATCH NEW FINISHED SURFACE LEVELS & INSTALL NEW COUNCIL APPROVED CLASS B PIT COVER OVER SECTION OF PIT OUTSIDE OF SPOON DRAIN & CLASS B BICYCLE SAFE V-GRATE WITHIN SPOON DRAIN ALIGNMENT. ALL AS DIRECTED & APPROVED BY COUNCIL'S SUPERINTENDENT. CONNECT PROPOSED 300Ø INLET PIPE TO EXISTING PIT CHAMBER AS REQUIRED.	1
2		DOUBLE GSEP	2000	665	300	110.453			0.659	111.112	2366.556	2327.773	CONSTRUCT NEW DOUBLE GRATED SIDE ENTRY PIT AS PER MCC-208. <u>NOTE: PIT IS TO BE CONSTRUCTED ABOVE EXISTING 125Ø HIGH VOLTAGE ELECTRICAL SERVICE. CAUTION TO BE TAKEN WHEN EXCAVATING FOR & CONSTRUCTING NEW PIT. THE CIVIL CONTRACTOR IS TO VERIFY EXISTING SERVICE SIZE, DEPTH & ALIGNMENT PRIOR TO COMMENCING CONSTRUCTION. IF SERVICE IS FOUND TO BE IN CONFLICT WITH PROPOSED DRAINAGE, THE CIVIL CONTRACTOR IS TO NOTIFY COUNCIL'S SUPERINTENDENT IMMEDIATELY BEFORE PROCEEDING.</u>	2
3	JP	JP	600	900	EX	EX	EX	EX	TBC	111.235	2367.659	2306.096	BREAK OUT & REMOVE EXISTING JUNCTION PIT & CONSTRUCT NEW 600x900 JUNCTION PIT WITH CLASS B PIT COVER AS PER MCC-201. NEW PIT CHAMBER IS TO BE CONSTRUCTED WITH PIT LID CLEAR OF PROPOSED SPOON DRAIN & FOOTPATH. PIT TO BE CONSTRUCTED TO SAME DEPTH AS EXISTING JUNCTION PIT & ALL EXISTING INLET & OUTLET PIPES ARE TO BE RECONNECTED TO PROPOSED PIT CHAMBER AS REQUIRED. ALL AS DIRECTED BY COUNCIL'S SUPERINTENDENT.	3
4	SEP		EX	EX	EX	EX	EX	EX	EX	FSL	2397.759	2460.218	ADJUST EXISTING SIDE ENTRY PIT TO MATCH NEW FINISHED SURFACE LEVELS & INSTALL NEW LID & LINTEL AS PER STD. DWG. MCC-203.	4

- NOTES:
- PIT FLOORS TO BE SHAPED TO PROVIDE SMOOTH FLOW THROUGH PITS.
 - 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.
 - ALL PIT SETOUT IS TO THE CENTRE OF THE PIT CHAMBER, UNLESS NOTED OTHERWISE IN THE REMARKS COLUMN.
 - ALL PITS SHOULD BE ALIGNED TO KERB AND CHANNEL, VEHICLE CROSSINGS AND MATCH TO LEVELS AS REQUIRED.
 - ALL PROPOSED PIPES ARE TO BE RCP UNLESS NOTED OTHERWISE.

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

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.

LEGEND	TOF	EX TELSTRA OPTIC FIBRE	HPG	EX HIGH PRESSURE GAS MAIN
	T	EX TELSTRA CABLE & PIT	STOP VALVE	
S	EX SOWER & PIT	FIRE PLUG		
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/G ELECTRICITY CABLE	LIGHT POLE ONLY		
EA	EX O/H ELECTRICITY PILLAR	TELECOM PILLAR		
O	EX OPTUS CABLE	EXISTING POST		
HD	HOUSE DRAIN			
TS	TRAFFIC SIGNAL PIT, CABLE, PEDESTAL			
TS	TRAFFIC SIGNAL POLE			
EX	EX. SIGN			
EX	EXISTING BOLLARD			
EX	RUBBISH BIN			
PSM	STN/TBM			
EX	EX DRAIN & PIT			
EX	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 : JUL 2026

CLIENT:



CHECKED :

DATE :

SURVEYED: MOONLAND

DATE : JUL 2025

SURVEY DATUM : ARBITRARY

SCALES : AS SHOWN

@A1

OLD WARRANDYTE ROAD, RINGWOOD NORTH
FOOTPATH & KERB CONSTRUCTION

DRAINAGE LONGITUDINAL SECTION & PIT SCHEDULE

CRE REF: 3269-(REV-C1).DWG

CRE REV. NO.: C1

AMEND. NO.: -

DWG. NO. 3269

SHEET: 22 OF 22

SIZE: A1

CONSTRUCTION ISSUE