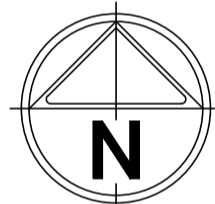


BERRIGAN SHIRE COUNCIL

ROAD RECONSTRUCTION WORKS - WATERMAIN

MURRAY STREET, FINLEY NSW 2713



LOCALITY PLAN

NOT TO SCALE

DRAWING SCHEDULE		
DRAWING NO.	DRAWING TITLE	REVISION
4389-00-WAT-001	FACE SHEET	E
4548-00-WAT-300	LAYOUT PLAN	E
4548-00-WAT-301	LONG SECTIONS	E
4548-00-WAT-302	STANDARD DETAILS AND TABLES	E

LEGEND

	PERMANENT SURVEY MARK
	SURVEY TRAVERSE STATION
	PROPERTY BOUNDARY
	PROPERTY EASEMENT
	STORMWATER DRAIN (EXISTING)
	STORMWATER MAIN (EXISTING)
	BITUMEN EDGE (EXISTING)
	SEWER MAIN (EXISTING)
	SEWER MAIN (PROPOSED)
	ELECTRICITY UNDERGROUND (EXISTING)
	TELECOMMUNICATIONS MAIN (EXISTING)
	GAS MAIN (EXISTING)
	WATER MAIN (REDUNDANT)
	WATER MAIN (EXISTING)
	WATER MAIN (PROPOSED)
	WATER MARKER POST (EX/PR)
	WATER HYDRANT (EX/PR)
	WATER METER (EX/PR)
	WATER STOP VALVE (EX/PR)
	WATER MAIN THRUST BLOCK (PROPOSED)

GENERAL

- ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE NOTED.
- ALL LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- ALL WORKS TO BE UNDERTAKEN AND TESTED IN ACCORDANCE WITH WSA 03-2011-3.1 WATER SUPPLY CODE OF AUSTRALIA, (REFERRED TO AS THE 'CODE') REGIONAL NEW SOUTH WALES EDITION, VERSION 1.
- ALL NEW AND ALL ALTERED MAINS TO BE CONSTRUCTED UNDER AGREEMENT CONDITIONS IN ACCORDANCE WITH THE 'CODE' SPECIFICATION DRAWINGS AT OFFSETS SHOWN.
- THE LOCATION OF EXISTING SERVICES SHOULD BE CONFIRMED BY THE CONTRACTOR PRIOR TO COMMENCING ANY EXCAVATION BY CONTACTING ALL LOCAL SERVICE AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE OFFERED AS A GUIDE ONLY AND ARE NOT GUARANTEED AS CORRECT.
- ALL WORKS CARRIED OUT IN THE VICINITY OF OVERHEAD POWERLINES SHALL BE SUPERVISED BY A LICENSED SPOTTER.
- ALL WORK WITHIN THE ROAD RESERVE SHALL BE IN ACCORDANCE WITH 'COUNCIL' ROAD OPENING PERMITS GUIDELINES AND SPECIFICATIONS.
- ALL PERMITS SHALL BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ANY DISCREPANCIES IN THE CONTRACT DOCUMENTS SHALL BE REFERRED TO THE SUPERINTENDENT.
- WORKMANSHIP AND MATERIALS SHALL COMPLY WITH REQUIREMENTS OF CURRENT AUSTRALIAN STANDARDS.
- ALL PIPES VALVES AND FITTINGS SHALL COMPLY WITH THE 'CODE'
- CONTRACTOR IS TO ENGAGE A SUITABLY QUALIFIED AND EXPERIENCED SURVEYOR TO UNDERTAKE ASSET RECORDING OF THE WORK. ALL SURVEYOR WORKS AND DATA RECORDING SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE MRWA SURVEY MANUAL.

DISPOSAL OF EXCESS SOIL / MATERIAL

- REMOVE FROM SITE AND DISPOSE OF ALL EXCESS AND UNSUITABLE MATERIAL REMOVED FROM TRENCHES NOT USED IN THE COMPLETED WORKS.
- REDUNDANT MATERIALS SHALL BE TAKEN UP AND REMOVED FROM SITE.

PIPELINE CONSTRUCTION

- ALL PIPES AND FITTINGS SHALL BE HANDLED, LAID, JOINTED AND PROTECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- PIPEWORK SHALL BE MEASURED ON SITE WHERE REQUIRED TO ENSURE FIT.
- ALL FLANGE CONNECTIONS SHALL CONSIST OF COMPLETE INSERTION SETS (GASKETS, BOLTS, NUTS AND WASHERS) MATCHING THE FLANGE TYPE AND THE MANUFACTURERS RECOMMENDATIONS.
- FLANGED JOINTS, BOLTS, NUTS AND WASHERS SHALL BE GALVANISED STEEL AND HAVE THE FOLLOWING PROTECTION: DENSO 300 PRIMER, 400 MASTIC, 400 TAPE & 931 OVER WRAP APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL DIOL PIPES INSTALLED BELOW GROUND TO BE WRAPPED AND TAPED IN LOOSE POLYETHYLENE SLEEVING.
- CONSTRUCTION BY BORING SHALL BE CARRIED OUT WHERE SPECIFIED.
- WHERE HORIZONTAL AND VERTICAL BENDS ARE NOT SPECIFIED, CHANGES IN HORIZONTAL AND VERTICAL PIPE ALIGNMENT SHALL BE ACHIEVED BY DEFLECTING JOINTS UP TO PIPE MANUFACTURER'S RECOMMENDED MAXIMUM DEFLECTION.
- ALL TREES TO BE RETAINED AND MUST BE PRESERVED AND PROTECTED AT ALL TIMES.

NOTE!

ALL WORKS TO BE UNDERTAKEN AND TESTED IN ACCORDANCE WITH WSA 03-2011-3.1 WATER SUPPLY CODE OF AUSTRALIA, REGIONAL NEW SOUTH WALES EDITION (REFERRED TO AS THE 'CODE').

NOTE!

MANDATORY WORKSAFE NOTIFICATION REQUIRED PRIOR TO THE COMMENCEMENT OF WORKS



WARNING!

BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY & THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOTE!

THIS DRAWING SET IS TO BE READ IN CONJUNCTION WITH THE CURRENT ADOPTED VERSION OF THE INFRASTRUCTURE DESIGN MANUAL STANDARD DRAWINGS.

NOTE!

BEWARE OF EXISTING OVERHEAD ELECTRICAL CABLES !

BACKFILL REQUIREMENTS

- BACKFILL DETAILS FOR TRAFFICABLE AND NON-TRAFFICABLE AREAS SHALL COMPLY WITH 'CODE' AND 'COUNCIL' REQUIREMENTS.
- USE MARKER TAPE ABOVE ALL PIPELINES AND COMMUNICATIONS CONDUITS AS PER AS2033-2008 SECTION 5.3.16.
- COMPACTION REQUIREMENT DETAILED REFER TO PERCENTAGE OF MAXIMUM DRY DENSITY AS DEFINED BY STANDARD COMPACTION TEST IN AS1289.

SLUICE (ISOLATION) VALVES & HYDRANTS

- SLUICE VALVE AND HYDRANT SHALL BE INSTALLED TO 'CODE' WITH TRAFFICABLE COVERS.
- ALL CONNECTIONS SHALL BE FLANGED.
- ALL HYDRANTS BEING REMOVED AND DISPOSED SHALL HAVE HYDRANT HEAD, COVER AND SURROUND AND MARKER POST DECOMMISSIONED.
- VALVES TO BE REMOVED AND DISPOSED SHALL HAVE VALVE SPINDLE, COVER AND SURROUND AND MARKER POST DECOMMISSIONED.

THRUST RESTRAINT

- CAST IN SITU CONCRETE THRUST BLOCKS AND ANCHORS SHALL BE INSTALLED AT ALL HORIZONTAL AND VERTICAL BENDS, TEES VALVES AND REDUCERS.
- REFER TO THE "CODE" STANDARD DRAWING WAT - 1300 FOR DETAILS.
- THE MINIMUM THRUST BEARING AREA SHALL BE 0.30 SQUARE METRES.
- THRUST RESTRAINT SHALL BE DESIGNED TO RESIST PIPELINE TEST PRESSURE.

MARKER POSTS

- MARKER POSTS SHALL BE PLACED OPPOSITE TO ALL VALVES, BENDS AND HYDRANTS.
- MARKER POSTS SHALL BE LOCATED SUCH THAT THEY DO NOT OBSTRUCT EXISTING LAND USE OR TRAFFIC AND TO APPROVAL OF BERRIGAN SHIRE COUNCIL.
- REFER TO "CODE" STANDARD DRAWING WAT - 1300 FOR DETAILS.

PIPE BEDDING AND EMBEDMENT

- ALL WATER MAINS UNDER ROADWAYS TO BE BACKFILLED IN ACCORDANCE WITH THE 'CODE' STANDARD DRAWINGS WAT-1202.
- HAND AND MECHANICAL TAMPERS SPECIALLY DESIGNED FOR THE PURPOSE SHALL BE USED TO COMPACT THE EMBEDMENT MATERIAL AROUND THE PIPES.
- THE BEDDING MATERIAL SHALL EXTEND FOR THE FULL WIDTH OF THE EXCAVATED TRENCH.
- BACKFILL SHALL BE PLACED UNIFORMLY OVER THE EMBEDMENT AND COMPACTED IN SUCH A MANNER THAT THE PIPE IS NOT DISTURBED OR DAMAGED TO ACHIEVE THE SPECIFIED COMPACTION.

VEGETATION PROTECTION

- TREES LOCATED ALONG THE FOOTPATH SHALL BE, TRANSPLANTED PRIOR TO CONSTRUCTION, OR REPLACED IF DESTROYED.
- WHEN WORKING WITHIN 4M OF TREES, RUBBER OR HARDWOOD GIRDLES SHALL BE CONSTRUCTED WITH 18M BATTENS CLOSELY SPACED AND ARRANGED VERTICALLY FROM GROUND LEVEL. GIRDLES SHALL BE STRAPPED TO TREES PRIOR TO CONSTRUCTION AND REMAIN UNTIL COMPLETION.
- TREE ROOTS SHALL BE TUNNELLED UNDER, RATHER THAN SEVERED. IF ROOTS ARE SEVERED THE DAMAGED AREA SHALL BE TREATED WITH A SUITABLE FUNGICIDE. CONTACT RELEVANT COUNCIL ARBORIST FOR FURTHER ADVICE.
- ANY TREE LOPPING REQUIRED SHOULD BE UNDERTAKEN BY AN APPROVED ARBORIST.

SOIL

- TOPSOIL AND SUBSOIL SHALL BE STOCKPILED SEPARATELY.
- CARE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING TH STORMWATER SYSTEM. THIS MAY INVOLVE PLACING APPROPRIATE SEDIMENT CONTROLS AROUND STOCKPILES.
- ACID SULPHATE SOILS EXIST IN THE WORKS AREA. THE OUTPUTS FROM THE RISK ASSESSMENT BASED ON THE ACID SULPHATE SOIL TECHNICAL MANUAL REQUIRES THAT ACID SULPHATE SOILS BE MANAGED AS FOLLOWS:

REHABILITATION

- PREDISTURBANCE SOIL PROFILES AND COMPACTION LEVELS SHALL BE REINSTATED.
- PREDISTURBANCE VEGETATION PATTERNS SHALL BE RESTORED.

28/04/2025 10:56:24 AM 4548-00-WAT-001.DWG

-	-	-
-	-	-
-	-	-
-	-	-
E	ISSUED FOR TENDER	24/04/25
D	DETAILED DESIGN APPROVAL	05/03/24
C	DETAILED DESIGN APPROVAL	19/02/24
B	FUNCTIONAL DESIGN APPROVAL	03/02/24
A	FUNCTIONAL DESIGN APPROVAL	16/01/24
ISSUE	DESCRIPTION	DATE

NOTATIONS:
SURVEY DATUM ## RL ##m
LEVELS ARE IN AHD
LENGTHS ARE SHOWN IN METRES
CONTOUR INTERVAL IS 0.10m

DETAILED DESIGN



CLIENT:	BERRIGAN SHIRE COUNCIL		SURVEYED:	DTP / CAF AUGUST 2024	DRAWN:	J. BARCIAL AUGUST 2024
PROJECT:	ROAD RECONSTRUCTION WORKS - WATERMAIN		DESIGNED:	C. TAYAG AUGUST 2024	CHECKED:	S. GALEA AUGUST 2024
LOCATION:	MURRAY STREET FINLEY, NSW 2713		APPROVED:	N. YOUNGHUSBAND AUGUST 2024	SCALE:	AS SHOWN
PROPERTY:	-		DRAWING NO:	4548-00-WAT-001		
DRAWING:	FACE SHEET		SIZE:	A1		
			ISSUE:	E		

DWG 100 - WAT - 00 - 9545

28/04/2025 10:56:25 AM 4548-00-WAT-001.DWG

TABLE 1 - NEW PIPE SCHEDULE			
PIPE SIZE (DN)	PIPE TYPE	CLASS	WATER MAIN LENGTH
150	mPVC	PN16	238

TABLE 2- PIPE MATERIAL SCHEDULE	
MATERIAL	REFERENCE
PVC-M	WSA-PS-209
PE (PROPERTY SERVICES)	WSA-PS-215

TABLE 3 - HYDRANT & WASHOUT SCHEDULE					
MAIN SIZE	FITTING TYPE	OWNERSHIP	LOCATION	STREET	LOCATION
150	ISOLATION VALVE	COUNCIL	IN LINE	MURRAY ST	1.1m WEST OF BACK OF KERB
150	HYDRANT	COUNCIL	IN LINE	MURRAY ST	1.1m WEST OF BACK OF KERB
150	HYDRANT	COUNCIL	IN LINE	MURRAY ST	1.1m WEST OF BACK OF KERB
150	HYDRANT	COUNCIL	IN LINE	MURRAY ST	1.1m WEST OF BACK OF KERB
150	HYDRANT	COUNCIL	IN LINE	MURRAY ST	1.1m WEST OF BACK OF KERB
150	ISOLATION VALVE	COUNCIL	IN LINE	MURRAY ST	1.1m WEST OF BACK OF KERB

TABLE 4 - THRUST RESTRAINT SCHEDULE					
LOCATION	TYPE	THRUST	AHBP (kPa) USED	Area (m2), or W(m) x Y(m)	NO. LOCATIONS
A	END OF LINE	END OF LINE	50	0.48	1
B	IN LINE	VALVE	50	0.48	2
C	IN LINE	ANCHOR DN150x45 BEND	50	1.58	1

TABLE 5 - VERTICAL CLEARANCES			
EXISTING OR PROPOSED SERVICE	MINIMUM VERTICAL CLEARANCE (mm)	EXISTING OR PROPOSED SERVICE	MINIMUM VERTICAL CLEARANCE (mm)
WATER MAINS ≤ DN375	150	ELECTRICITY CONDUITS AND CABLES	225
WATER MAINS >DN375	300	STORMWATER DRAINS & PITS	150
GAS MAINS	150	SEWERS - GRAVITY	500
TELECO CONDUITS AND CABLES	150	SEWERS - PRESSURE & VACUUM	300

- VERTICAL CLEARANCE BETWEEN WATER MAINS SHALL DEPEND ON THE LARGER MAIN DIAMETER.
- WATER MAINS SHALL CROSS OVER SEWERS AND DRAINS UNLESS SHOWN OTHERWISE.
- MAINTAIN ADDITIONAL CLEARANCE FROM HIGH VOLTAGE ELECTRICAL CABLES TO ALLOW FOR A PROTECTIVE BARRIER AND MARKING.

-	-	-
-	-	-
-	-	-
-	-	-
E	ISSUED FOR TENDER	24/04/25
D	DETAILED DESIGN APPROVAL	05/03/24
C	DETAILED DESIGN APPROVAL	19/02/24
B	FUNCTIONAL DESIGN APPROVAL	03/02/24
A	FUNCTIONAL DESIGN APPROVAL	16/01/24
ISSUE	DESCRIPTION	DATE

NOTATIONS:
SURVEY DATUM ## RL ##m
LEVELS ARE IN AHD
LENGTHS ARE SHOWN IN METRES
CONTOUR INTERVAL IS 0.10m

DETAILED DESIGN

As a Registered Professional Engineer in the State of Victoria, I hereby certify the contents of this plan.

CYRUS TAYAG
PE0009761





t: 03 5849 1400
e: info@cafoconsulting.com.au
w: www.cafoconsulting.com.au

CLIENT:	BERRIGAN SHIRE COUNCIL		SURVEYED:	DTP / CAF AUGUST 2024	DRAWN:	J. BARCIAL AUGUST 2024
PROJECT:	ROAD RECONSTRUCTION WORKS - WATERMAIN		DESIGNED:	C. TAYAG AUGUST 2024	CHECKED:	S. GALEA AUGUST 2024
LOCATION:	MURRAY STREET FINLEY, NSW 2713		APPROVED:	N. YOUNGHUSBAND AUGUST 2024	SCALE:	AS SHOWN
PROPERTY:	-		DRAWING NO:	4548-00-WAT-001		SIZE: A1
DRAWING:	STANDARDS TABLES		ISSUE:	E		

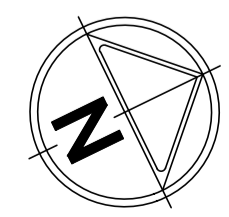
DWG:00-WAT-00-01547

28/04/2025 10:56:35 AM 4548-00-WAT-300.DWG

ISSUE	DESCRIPTION	DATE
-	-	-
-	-	-
-	-	-
-	-	-
E	ISSUED FOR TENDER	24/04/25
D	DETAILED DESIGN APPROVAL	05/03/24
C	DETAILED DESIGN APPROVAL	19/02/24
B	FUNCTIONAL DESIGN APPROVAL	03/02/24
A	FUNCTIONAL DESIGN APPROVAL	16/01/24

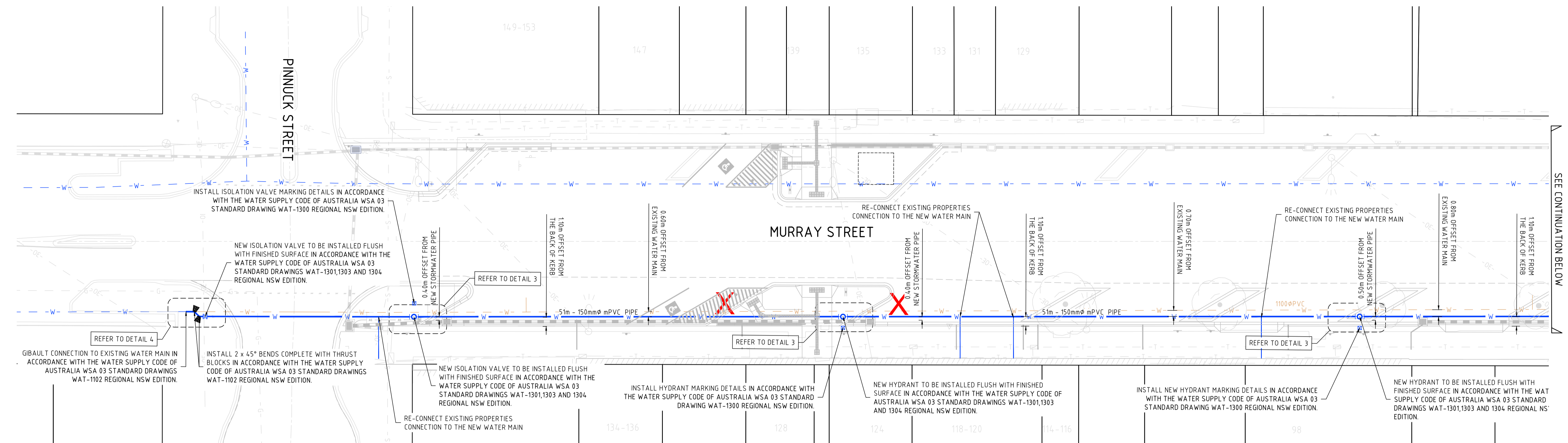
NOTATIONS:
SURVEY DATUM ## RL ##m
LEVELS ARE IN AHD
LENGTHS ARE SHOWN IN METRES
CONTOUR INTERVAL IS 0.10m

DETAILED DESIGN

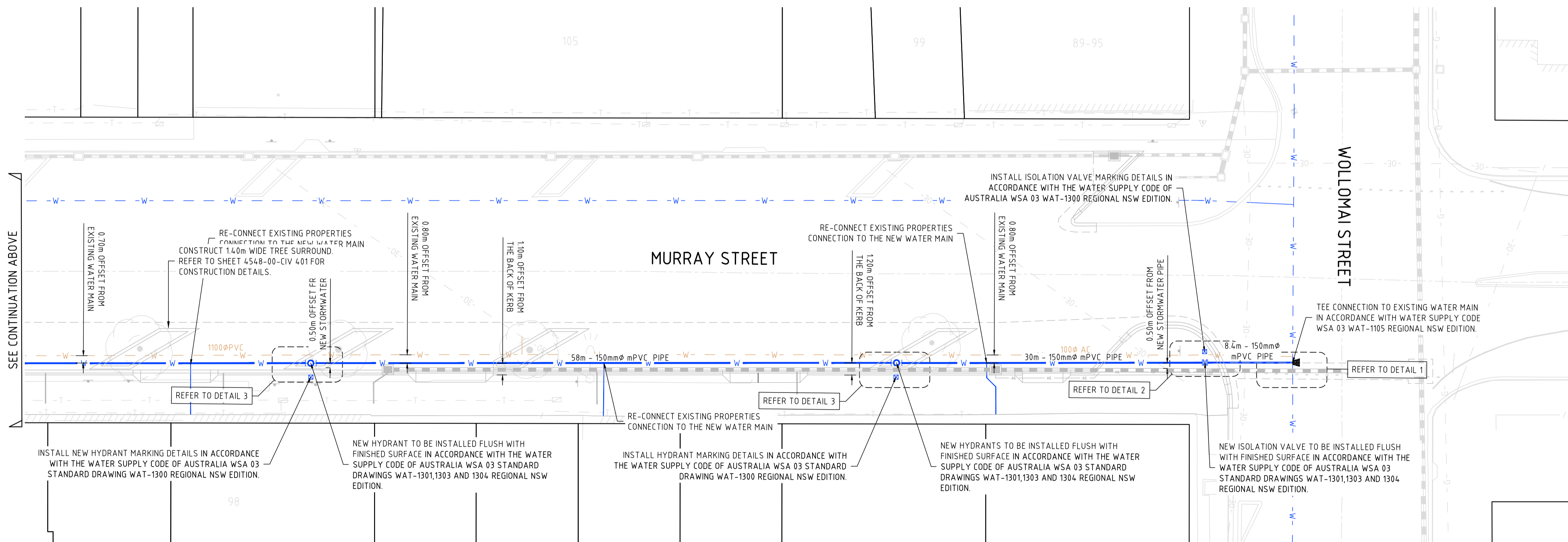


CLIENT:	BERRIGAN SHIRE COUNCIL
PROJECT:	ROAD RECONSTRUCTION WORKS - WATERMAIN
LOCATION:	MURRAY STREET FINLEY, NSW 2713
PROPERTY:	-
DRAWING:	LAYOUT PLAN

SURVEYED:	DTP / CAF AUGUST 2024	DRAWN:	J. BARCIAL AUGUST 2024
DESIGNED:	C. TAYAG AUGUST 2024	CHECKED:	S. GALEA AUGUST 2024
APPROVED:	N. YOUNGHUSBAND AUGUST 2024	SCALE:	AS SHOWN
DRAWING NO:	4548-00-WAT-300	SIZE:	A1
ISSUE:	E	ISSUE:	E



MURRAY STREET ROAD WORKS
SCALE 1:250



MURRAY STREET ROAD WORKS
SCALE 1:250

NOTE!
ALL WORKS TO BE UNDERTAKEN AND TESTED IN ACCORDANCE WITH WSA 03-2011-3.1
WATER SUPPLY CODE OF AUSTRALIA, REGIONAL NEW SOUTH WALES EDITION
(REFERRED TO AS THE 'CODE').

SOME UNDERGROUND SERVICES MAY BE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD

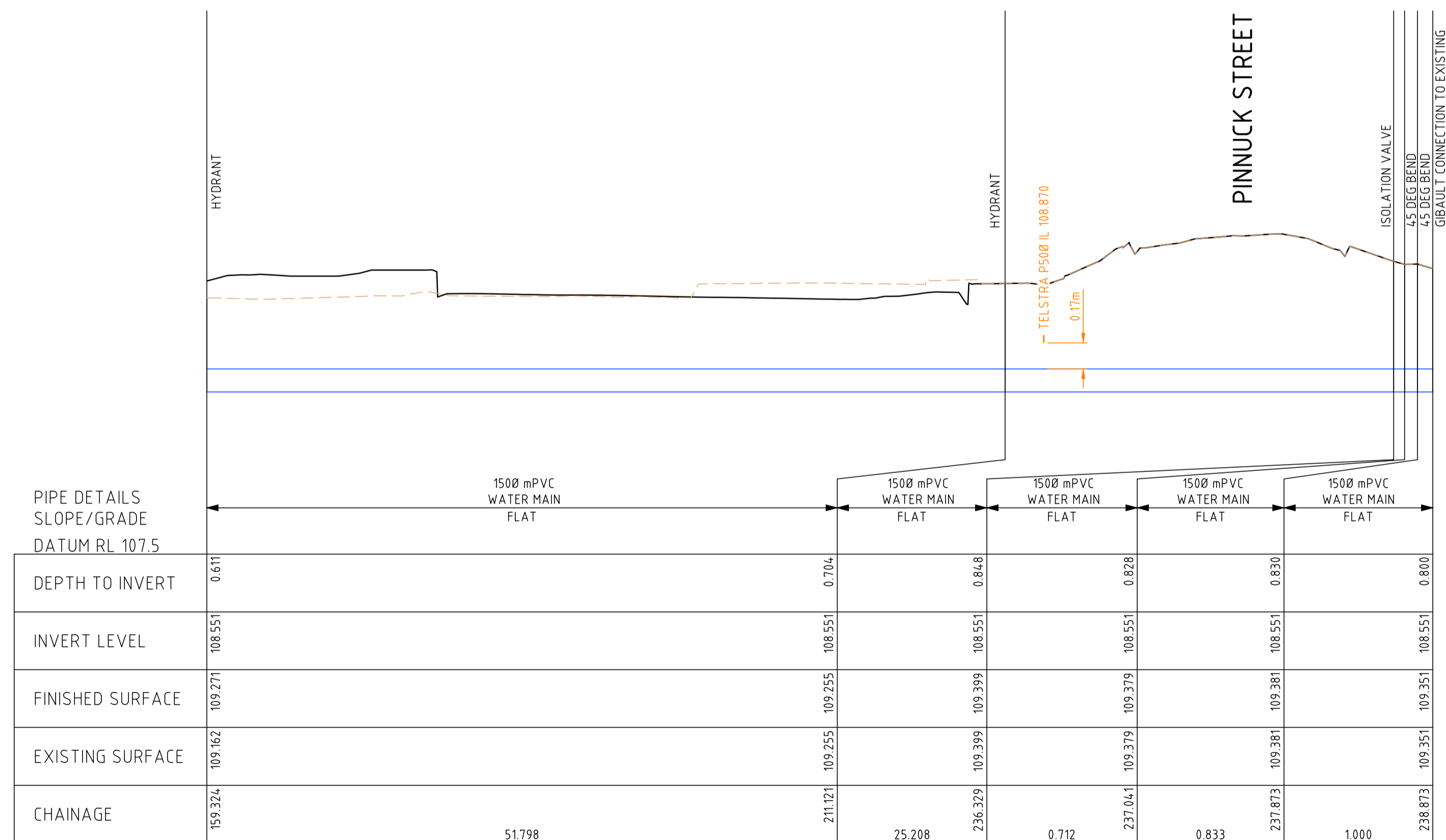
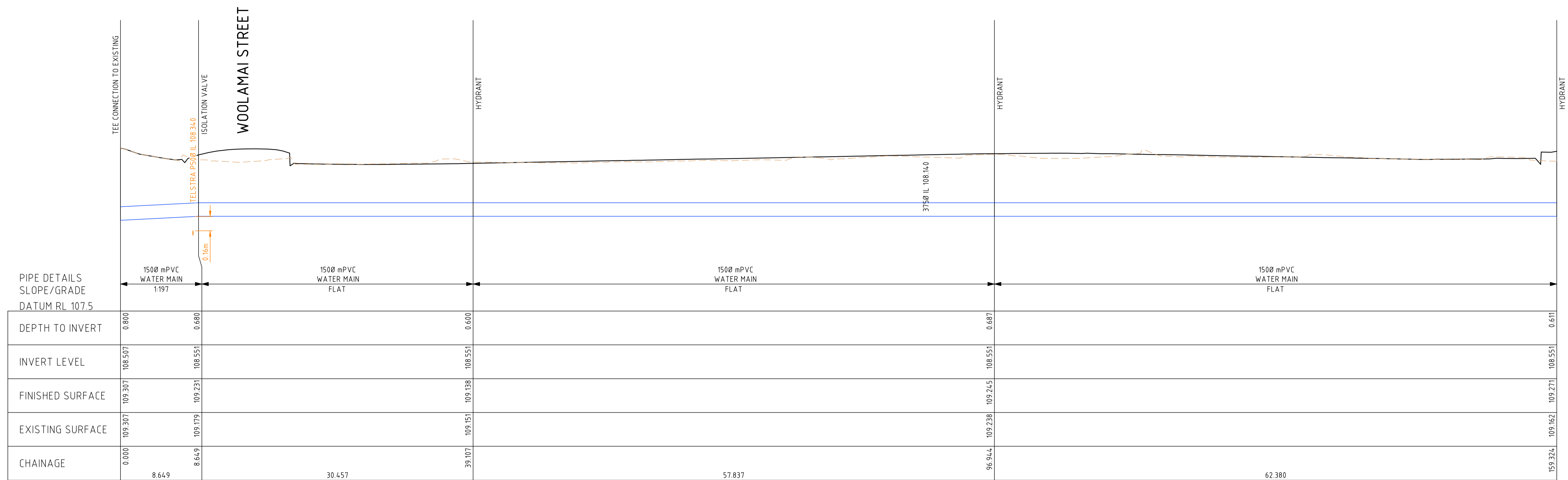
NOTE!
MANDATORY WORKSAFE NOTIFICATION
REQUIRED PRIOR TO THE COMMENCEMENT OF
WORKS

NOTE!
BEWARE OF EXISTING OVERHEAD
ELECTRICAL CABLES!



WARNING!
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY & THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DWG 002-1-WAT-00-3157



NOTE!
BEWARE OF EXISTING OVERHEAD
ELECTRICAL CABLES !



WARNING!
BEWARE OF UNDERGROUND SERVICES
THE LOCATIONS OF UNDERGROUND SERVICES ARE
APPROXIMATE ONLY & THEIR EXACT POSITION
SHOULD BE PROVEN ON SITE. NO GUARANTEE IS
GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

NOTE!
ALL WORKS TO BE UNDERTAKEN AND TESTED IN ACCORDANCE WITH WSA 03-2011-3.
WATER SUPPLY CODE OF AUSTRALIA, REGIONAL NEW SOUTH WALES EDITION
(REFERRED TO AS THE 'CODE').

SOME UNDERGROUND SERVICES MAYBE CONSTRUCTED FROM ASBESTOS CONTAINING MATERIAL. CONTACT THE SUPERINTENDENT FOR INSTRUCTIONS ON HOW TO MANAGE ANY POTENTIAL ASBESTOS HAZARD.

NOTE!
MANDATORY WORKSAFE NOTIFICATION
REQUIRED PRIOR TO THE COMMENCEMENT OF
WORKS

E	ISSUED FOR TENDER	24/04/25
D	DETAILED DESIGN APPROVAL	05/03/24
C	DETAILED DESIGN APPROVAL	19/02/24
B	FUNCTIONAL DESIGN APPROVAL	03/02/24
A	FUNCTIONAL DESIGN APPROVAL	16/01/24
ISSUE	DESCRIPTION	DATE

NOTATIONS:
SURVEY DATUM ## RL ##m
LEVELS ARE IN A.H.D
LENGTHS ARE SHOWN IN METRES
CONTOUR INTERVAL IS 0.10m

DETAILED DESIGN

As a Registered Professional Engineer in the State of Victoria, I hereby certify the contents of this plan:

NICHOLAS YOUNGHUSBAND
PE0009595

Nick Younghusband

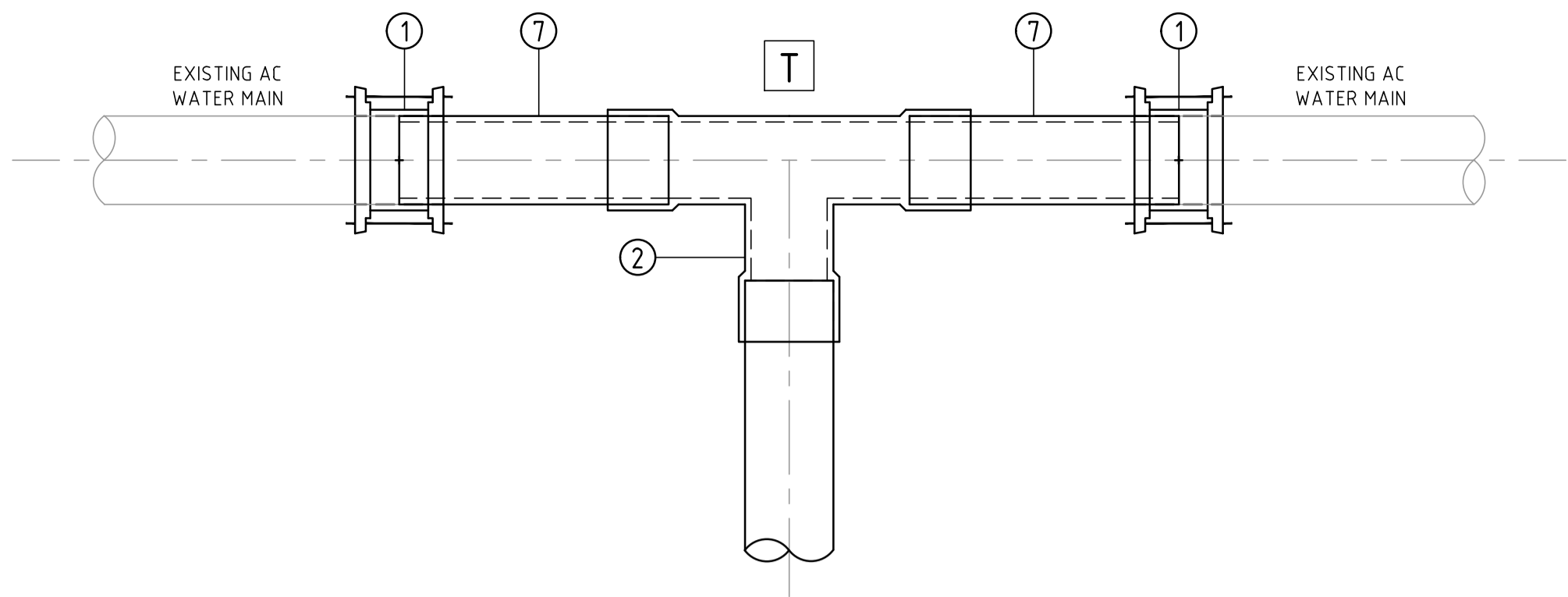
  



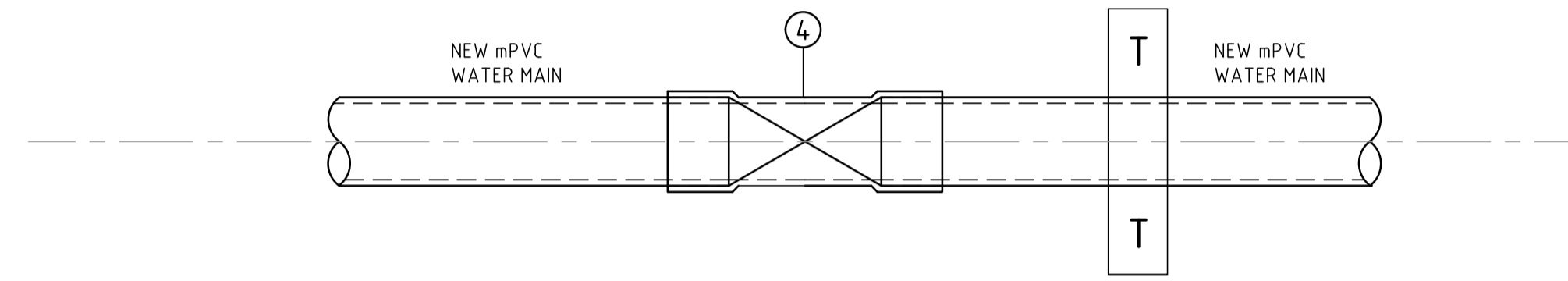
t: 03 5849 1400
e: info@cafconsulting.com.au
w: www.cafconsulting.com.au

CLIENT:	BERRIGAN SHIRE COUNCIL		SURVEYED:	DTP / CAF AUGUST 2024		DRAWN:	J. BARCIAL AUGUST 2024	
PROJECT:	ROAD RECONSTRUCTION WORKS - WATERMAIN		DESIGNED:	C. TAYAG AUGUST 2024		CHECKED:	S. GALEA AUGUST 2024	
LOCATION:	MURRAY STREET FINLEY, NSW 2713		APPROVED:	N. YOUNGHUSBAND AUGUST 2024		SCALE:	AS SHOWN	
PROPERTY:	- -		DRAWING NO:	4548-00-WAT-301		SIZE:	A1	
DRAWING:	LONG SECTIONS		ISSUED:	E				

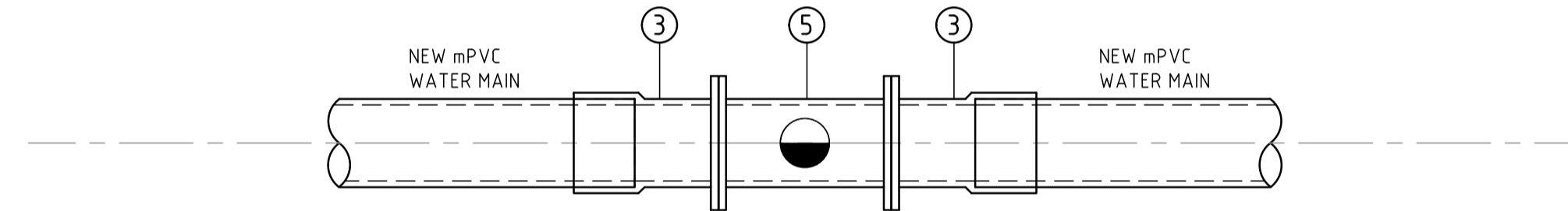
4548-00-WAT-300 DWG



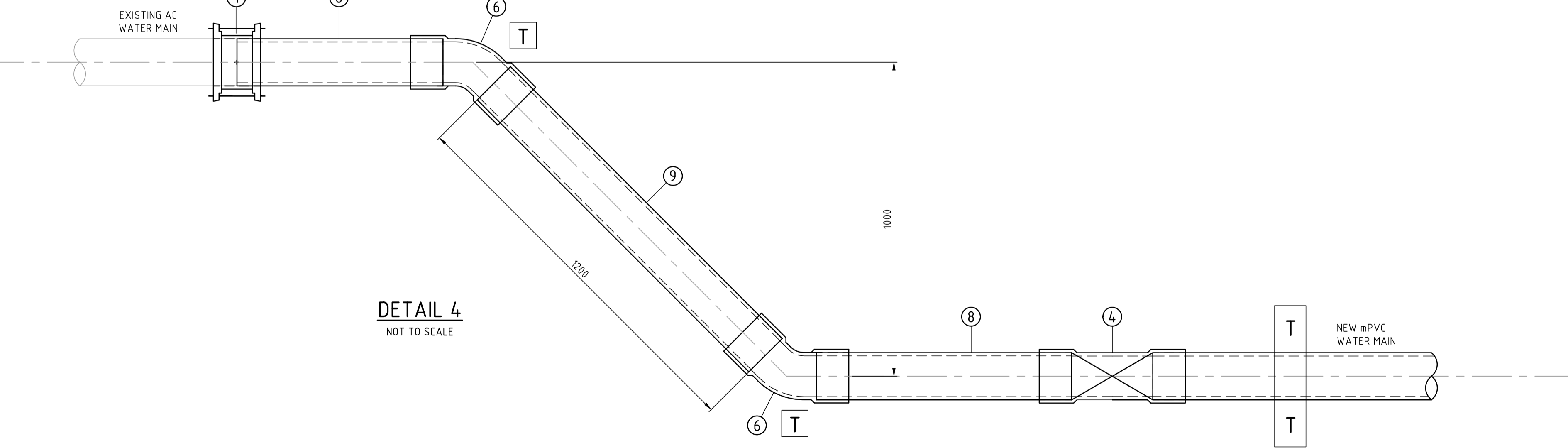
DETAIL 1
NOT TO SCALE



DETAIL 2
NOT TO SCALE



DETAIL 3
NOT TO SCALE



DETAIL 4
NOT TO SCALE

WATER MAIN MATERIAL LIST -150Ø PIPE			
MARK	DESCRIPTION	QUANTITY	
1	Ø150mm GIBBAULT JOINT	3	No
2	150Ømm - Ø150mm - Ø150mm DICL TEE (SOC-SOC-SOC)	1	No
3	Ø150mm CONNECTOR (FLANGED-SOCKET)	8	No
4	Ø150mm ISOLATION VALVE (SOC-SOC)	2	No
5	150Ømm - Ø80mm DICL HYDRANT TEE (SOC-SOC-FLANGE)	4	No
6	Ø150mm 45° DICL BEND (SOC-SOC)	2	No
7	Ø150mm PVC PN35 - 0.60m LENGTH (SP - SP)	2	No
8	Ø150mm PVC PN35 - 0.60m LENGTH (SP - FL)	2	No
9	Ø150mm PVC PN35 - 1.10m LENGTH (FL - FL)	1	No

T SYMBOL DENOTES THRUST BLOCKS INSTALLATION IN ACCORDANCE WITH THE WATER SUPPLY CODE OF AUSTRALIA WSA 03 STANDARD DRAWINGS 'WAT-1102 REGIONAL NSW EDITION'.

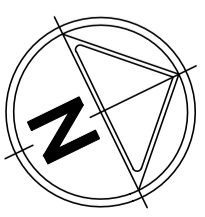
NOTE!
ALL WORKS TO BE UNDERTAKEN AND TESTED IN ACCORDANCE WITH WSA 03-2011-3.1 WATER SUPPLY CODE OF AUSTRALIA, REGIONAL NEW SOUTH WALES EDITION (REFERRED TO AS THE 'CODE').

28/04/2025 10:56:45 AM 4548-00-WAT-300.DWG

ISSUE	DESCRIPTION	DATE
-	-	-
-	-	-
-	-	-
-	-	-
E	ISSUED FOR TENDER	24/04/25
D	DETAILED DESIGN APPROVAL	05/03/24
C	DETAILED DESIGN APPROVAL	19/02/24
B	FUNCTIONAL DESIGN APPROVAL	03/02/24
A	FUNCTIONAL DESIGN APPROVAL	16/01/24

NOTATIONS:
SURVEY DATUM ## RL ##m
LEVELS ARE IN AHD
LENGTHS ARE SHOWN IN METRES
CONTOUR INTERVAL IS 0.10m

DETAILED DESIGN



As a Registered Professional Engineer in the State of Victoria, I hereby certify the contents of this plan:

NICHOLAS YOUNGHUSBAND
PE0009595

Nicholas Younghusband

NER CONSULTING



t: 03 5849 1400
e: info@cafoconsulting.com.au
w: www.cafoconsulting.com.au

CLIENT:	BERRIGAN SHIRE COUNCIL	SURVEYED:	DTP / CAF AUGUST 2024	DRAWN:	J. BARCIAL AUGUST 2024
PROJECT:	ROAD RECONSTRUCTION WORKS - WATERMAIN	DESIGNED:	C. TAYAG AUGUST 2024	CHECKED:	S. GALEA AUGUST 2024
LOCATION:	MURRAY STREET FINLEY, NSW 2713	APPROVED:	N. YOUNGHUSBAND AUGUST 2024	SCALE:	AS SHOWN
PROPERTY:	-	DRAWING:	STANDARD DETAILS AND TABLES	SIZE:	A1
				ISSUE:	E
					4548-00-WAT-300.DWG