

AUGUSTA STREET, HUNTINGWOOD EAST, NSW, 2148
SECTION 138 PACKAGE

DRAWING LIST

DRAWING NO.	DRAWING TITLE
C013904.03-R100	DRAWING LIST & GENERAL NOTES
C013904.03-R150	EXISTING SERVICES PLAN
C013904.03-R152	EXISTING AND PROPOSED SERVICES - AUGUSTA STREET
C013904.03-R153	EXISTING KERB AND PROPOSED KERB PLAN
C013904.03-R1200	EROSION AND SEDIMENT CONTROL PLAN
C013904.03-R1250	EROSION AND SEDIMENT CONTROL DETAILS
C013904.03-R1300	BULK EARTHWORKS PLAN
C013904.03-R1301	CUT/FILL PLAN
C013904.03-R1400	ROAD INFRASTRUCTURE DRAINAGE KEY PLAN
C013904.03-R1402	ROAD INFRASTRUCTURE DRAINAGE PLAN - AUGUSTA STREET
C013904.03-R1471	STORMWATER DRAINAGE LONG SECTIONS
C013904.03-R1700	ROAD LAYOUT KEY PLAN
C013904.03-R1710	AUGUSTA STREET ROAD LAYOUT
C013904.03-R1711	CUL-DE-SAC LAYOUT - AUGUSTA STREET
C013904.03-R1721	AUGUSTA STREET LONG SECTIONS
C013904.03-R1733	AUGUSTA STREET CROSS SECTIONS - SHEET 1
C013904.03-R1734	AUGUSTA STREET CROSS SECTIONS - SHEET 2
C013904.03-R1735	AUGUSTA STREET CROSS SECTIONS - SHEET 3
C013904.03-R1745	ROADWORKS PAVEMENT PLAN
C013904.03-R1750	TYPICAL ROAD SECTION
C013904.03-R1755	TYPICAL PAVEMENT DETAILS
C013904.03-R1756	PROPOSED CULVERT DETAILS
C013904.03-R1757	EXISTING CULVERT DETAILS
C013904.03-R1759	STORMWATER DRAINAGE DETAILS
C013904.03-R1770	ROADWORKS ALIGNMENT SETOUT PLAN

The works approved under this Subdivision Works Certificate are limited to the works that fall out of the road reserve associated with Augusta street only. No works outside the property boundary are approved under this Subdivision Works Certificate. Any works beyond the property boundary must be carried out under the relevant Roads Act approval.

Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



GENERAL NOTES

- THESE NOTES ARE TO BE READ IN CONJUNCTION WITH BLACKTOWN CITY COUNCIL'S SPECIFICATIONS.
- LEVELS ARE TO AUSTRALIAN HEIGHT DATUM (AHD).
- THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS, SPECIFICATIONS AND WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
- IF THE CONTRACTOR HAS ANY QUESTIONS, REQUIRES CLARIFICATION OF ANY ISSUES, OR FINDS ANY DISCREPANCIES WITHIN THESE DRAWINGS, THE CONTRACTOR SHALL ADVISE THE SUPERINTENDENT REPRESENTATIVE BEFORE PROCEEDING.
- ALL SET OUT DIMENSIONS SHOWN SHALL BE VERIFIED BY THE CONTRACTOR ON SITE BEFORE WORK COMMENCES. DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
- THE CONTRACTOR SHALL LOCATE AND IDENTIFY ALL UNDERGROUND SERVICES CROSSING THE WORKS AREA PRIOR TO THE COMMENCEMENT OF WORK AND SHALL REPAIR ANY DAMAGE CAUSED TO SUCH SERVICES DURING THE COURSE OF THE WORKS. ANY SERVICE LOCATIONS SHOWN ON THE FOLLOWING DRAWINGS ARE INDICATIVE ONLY.
- ALL LEVELS ARE IN METRES (m) & DIMENSIONS ARE IN MILLIMETRES (mm), UNLESS NOTED OTHERWISE.
- ALL MATERIALS AND WORKMANSHIP USED IN THE CONSTRUCTION OF THIS DESIGN SHALL BE IN ACCORDANCE WITH ALL RELEVANT CURRENT AUSTRALIAN STANDARDS.
- DURING CONSTRUCTION THE WORKS SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING AND BATTERS SHALL BE PROVIDED BY THE CONTRACTOR TO KEEP THE WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL'S STANDARDS & SPECIFICATIONS AND COUNCIL'S NOTICE OF DETERMINATION (DA CONDITIONS).
- THE CONTRACTOR SHALL OBTAIN SETOUT CO-ORDINATES FROM THE SUPERINTENDENT REPRESENTATIVE, AND ARRANGE ALL SURVEY SETOUT BY A REGISTERED SURVEYOR.
- THE CONTRACTOR SHALL OBTAIN THE REQUIRED PERMITS COVERING THE NECESSARY WORKS WITHIN THE ROAD RESERVE AND COMPLY WITH ALL THE CONDITIONS COVERING THE ISSUE OF SUCH PERMITS. A CHARGE IS MADE FOR PERMITS ISSUED IN RESPECT OF PAVEMENT OPENINGS. THE CONTRACTOR SHALL OBTAIN DETAILS FROM COUNCIL. THE CONTRACTOR IS TO PAY ALL FEES, MEET ALL REQUIREMENTS AND CARRY OUT ALL LIAISON AT NO EXTRA COST. ALL PAVEMENT SURFACING IS TO BE UNDERTAKEN BY THE CONTRACTOR. ALL PAVEMENT REINSTATEMENT IS TO BE UNDERTAKEN BY THE CONTRACTOR. ALL TO BLACKTOWN CITY COUNCIL'S STANDARDS AND APPROVAL.
- ALL CONSTRUCTION WORK SHALL BE CARRIED OUT SO THAT AT ANYTIME ADJOINING PROPERTY OWNERS ARE NOT DEPRIVED OF AN ALL-WEATHER ACCESS OR SUBJECTED TO ADDITIONAL OR POLLUTED STORMWATER RUNOFF DURING THE PERIOD OF CONSTRUCTION.
- THE CONTRACTOR SHALL PLACE CONDUITS WHERE REQUIRED BY THE RELEVANT AUTHORITIES.
- THE CONTRACTOR SHALL UNDERTAKE ALL UTILITY ADJUSTMENTS NECESSARY FOR THE COMPLETION OF WORKS.

ELECTRONIC INFORMATION NOTES:

- THE ISSUED DRAWINGS IN HARD COPY OR PDF FORMAT TAKE PRECEDENCE OVER ANY ELECTRONICALLY ISSUED INFORMATION, LAYOUTS OR DESIGN MODELS.
- THE CONTRACTOR'S DIRECT AMENDMENT OR MANIPULATION OF THE DATA OR INFORMATION THAT MIGHT BE CONTAINED WITHIN AN ENGINEER-SUPPLIED DIGITAL TERRAIN MODEL AND ITS SUBSEQUENT USE TO UNDERTAKE THE WORKS WILL BE SOLELY AT THE DISCRETION OF AND THE RISK OF THE CONTRACTOR.
- THE CONTRACTOR IS REQUIRED TO HIGHLIGHT ANY DISCREPANCIES BETWEEN THE DIGITAL TERRAIN MODEL AND INFORMATION PROVIDED IN THE CONTRACT AND/OR DRAWINGS AND IS REQUIRED TO SEEK CLARIFICATION FROM THE SUPERINTENDENT.
- THE ENGINEER WILL NOT BE LIABLE OR RESPONSIBLE FOR THE POSSIBLE ON-GOING NEED TO UPDATE THE DIGITAL TERRAIN MODEL, SHOULD THERE BE ANY AMENDMENTS OR CHANGES TO THE DRAWINGS OR CONTRACT INITIATED BY THE CONTRACTOR.

LOCAL AUTHORITY:
BLACKTOWN CITY COUNCIL

BLACKTOWN CITY COUNCIL NOTES:

GENERAL

- ALL WORK TO BE IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL'S ENGINEERING GUIDE FOR DEVELOPMENT AND WORKS SPECIFICATION CIVIL
- UTILITY ADJUSTMENTS ARE TO BE AT THE DEVELOPERS EXPENSE
- CONDUITS SHALL BE PLACED WHERE REQUIRED BY THE RELEVANT AUTHORITIES
- TREES THAT ARE NOT TO BE REMOVED SHALL BE PRESERVED
- BENCHMARK, SSM'S PERMANENT MARKS TO BE AHD
- AGRICULTURAL LINES SHALL BE PLACED AS DIRECTED
- A MINIMUM OF 3 METRES OF SUBSOIL DRAINAGE SHALL BE LAID INTO THE UPSTREAM SIDE OF COUNCIL PITS
- 100 YEAR FLOW PATHS TO BE FORMED AT TIME OF CONSTRUCTION
- STRUCTURAL CERTIFICATION REQUIRED FOR CONSTRUCTION OF MAJOR AND NON-STANDARD STRUCTURES.
- DRIVEWAYS/LAYBACKS TO HAVE MINIMUM 1 METRE CLEARANCE FROM POWER AND LIGHT POLES, PIT LINTELS AND STORMWATER DRAINS, AND 6 METRES CLEARANCE FROM KERB RETURN TANGENT POINT
- VEHICULAR CROSSINGS SHALL BE 4 METRES WIDE AT KERB AND GUTTER.
- SUBSOIL DRAINAGE SHALL BE PROVIDED ALONG THE CUT SIDE OF ALL NEW ROADS WHERE NO DRAINAGE IS PROVIDED, ALONG THE CENTRE LINE OF HALF ROAD CONSTRUCTION WORKS, AT LOW SPOTS, WHERE REQUIRED BY THE PAVEMENT DESIGN REPORT, AND WHERE DIRECTED BY COUNCIL'S ENGINEER.

EROSION AND SEDIMENT CONTROL

- SEDIMENT AND EROSION CONTROL SHALL BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING AND AFTER THE CONSTRUCTION WORKS
- ALL DISTURBED AREAS AND STOCKPILES TO BE STABILISED WITHIN 14 DAYS
- TOPSOIL TO BE STRIPPED, STOCKPILED AND RE-SPREAD ON COMPLETION OF EARTHWORKS. NONE TO BE REMOVED
- NO DISTURBANCE OF SITE PERMITTED OTHER THAN IMMEDIATE AREA OF THE WORKS
- COUNCIL TO RE-INSPECT TREES PRIOR TO THE CONSTRUCTION WORKS COMMENCING
- TURFING/GRASSING OF DISTURBED AREAS
- 300mm WIDE STRIP OF TURF BEHIND KERB
- NO TREES ARE TO BE REMOVED WITHOUT PRIOR COUNCIL CONSENT
- 1 METRE WIDE TURFING AROUND ALL SURFACE INLET PITS

GEOTECHNICAL

- ALL SEDIMENT CONTROL MEASURES TO BE INSTALLED PRIOR TO COMMENCEMENT OF WORKS
- FILL COMPACTION AS SPECIFIED
- ALL TESTING CONTROLLED AND CERTIFIED BY NATA REGISTERED LAB
- STRIP AND STOCKPILE TOPSOIL PRIOR TO FILLING, RESPREAD ON COMPLETION OF EARTHWORKS
- RESIDENTIAL LOTS TO BE INDIVIDUALLY CLASSIFIED

ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL STANDARDS AND SPECIFICATIONS NOT NOTED ABOVE.

TRAFFIC CONTROL NOTES:

- TRAFFIC CONTROLS TO COMPLY WITH AS 1742.3-2002
- TRAFFIC CONTROL PLANS TO BE SUBMITTED AND CERTIFIED BY AN ACCREDITED WORK SITE OPERATIVE.
- AS PART OF THE TRAFFIC CONTROL PLAN ENSURE THAT PEDESTRIANS ARE CATERED FOR.
- AFTER-HOURS TRAFFIC CONTROL THROUGH THE WORKSITE HAVE TO BE CATERED FOR.

NOTE:

ALL CONSTRUCTION WORKS OUTSIDE OF THE PROPERTY BOUNDARY REQUIRE SEPARATE APPROVAL FROM COUNCIL UNDER SECTION 138 OF THE ROADS ACT.

STREET FURNITURE NOTE:

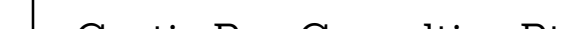
ALL STREET FURNITURE TO BE BLACK POWDER COATED TO THE SATISFACTION OF BLACKTOWN CITY COUNCIL AND IN ACCORDANCE WITH BLACKTOWN CITY COUNCIL CONSTRUCTION SPECIFICATIONS

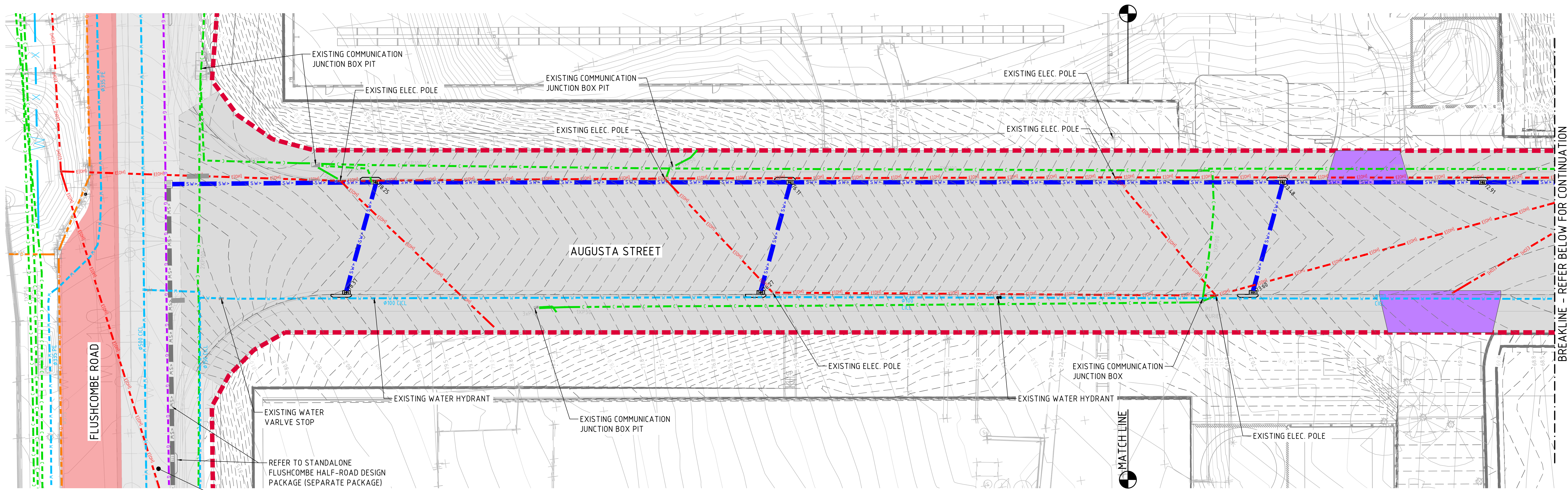


EXISTING SERVICES

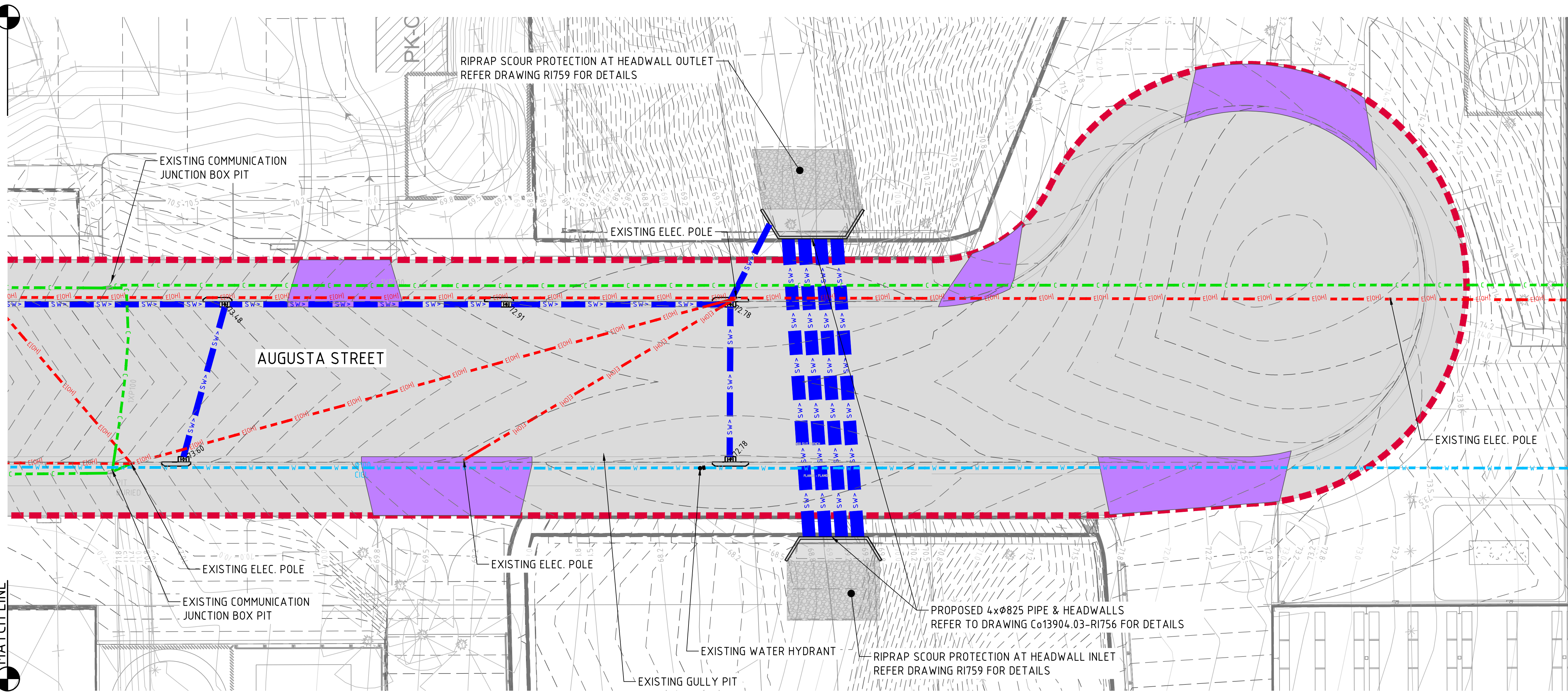
- DURING THE EXECUTION OF WORKS, THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXISTING SERVICES. THE CONTRACTOR SHALL REPAIR ANY DAMAGE CAUSED TO THE EXISTING SERVICES TO THE SATISFACTION OF THE SUPERINTENDENT AND THE RELEVANT SERVICE AUTHORITY, AT NO COST TO THE PRINCIPAL.
- WHERE IT IS NECESSARY TO REMOVE, DIVERT OR CUT INTO ANY EXISTING SERVICE, THE CONTRACTOR SHALL GIVE AT LEAST THREE (3) DAYS NOTICE OF ITS REQUIREMENTS TO THE SUPERINTENDENT, WHO WILL ADVISE WHAT ARRANGEMENTS SHOULD BE MADE FOR THE ALTERATION OF SUCH EXISTING WORKS.
- EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA. THE ACCURACY IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ESTABLISH THE LOCATION AND LEVEL OF ALL EXISTING SERVICES PRIOR TO COMMENCING WORK. ALL CLEARANCES AND APPROVALS SHALL ALSO BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY PRIOR TO THE COMMENCEMENT OF WORK.
- ALL NEW AND EXHUMED SERVICES THAT CROSS EXISTING AND FUTURE ROADS/PAVEMENTS WITHIN THE SITE SHALL BE BACKFILLED WITH DGB20 MATERIAL TO SUBGRADE LEVEL AND COMPACTED TO 98% STANDARD DENSITY RATIO. SUBJECT TO PRIOR APPROVAL FROM RELEVANT AUTHORITY.
- ON COMPLETION OF SERVICES INSTALLATION. ALL DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AREAS, GRASSED AREAS AND ROAD PAVEMENTS.
- CARE TO BE TAKEN WHEN EXCAVATING NEAR UTILITY SERVICES. NO MECHANICAL EXCAVATION TO BE UNDERTAKEN OVER SERVICES. LIAISE WITH RELEVANT AUTHORITY.
- THE CONTRACTOR SHALL ALLOW FOR THE CAPPING OFF, EXCAVATION AND REMOVAL IF REQUIRED OF ALL EXISTING SERVICES IN AREAS AFFECTED BY THE WORKS WITHIN THE CONTRACT AREA AS SHOWN ON THE DRAWINGS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT. ALL TO REGULATORY AUTHORITY STANDARDS AND APPROVAL.
- THE CONTRACTOR IS TO MAINTAIN EXISTING STORMWATER DRAINAGE FLOWS THROUGH THE ROADS AT ALL TIMES. MAKE DUE ALLOWANCE FOR ALL SUCH FLOWS AT ALL TIMES.
- PRIOR TO COMMENCEMENT OF ANY WORKS THE CONTRACTOR SHALL OBTAIN THE SUPERINTENDENT'S APPROVAL OF THE PROGRAM FOR THE RELOCATION/CONSTRUCTION OF TEMPORARY SERVICES.
- CONTRACTOR SHALL CONSTRUCT TEMPORARY SERVICES AS REQUIRED TO MAINTAIN EXISTING SUPPLY TO BUILDINGS REMAINING IN OPERATION DURING WORKS TO THE SATISFACTION AND APPROVAL OF THE SUPERINTENDENT. ONCE DIVERSION IS COMPLETE AND COMMISSIONED THE CONTRACTOR SHALL REMOVE ALL SUCH TEMPORARY SERVICES AND MAKE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT.
- INTERRUPTION TO SUPPLY OF EXISTING SERVICES SHALL BE DONE SO AS NOT TO CAUSE ANY INCONVENIENCE OR DAMAGE TO THE ADJACENT RESIDENCES. CONTRACTOR TO GAIN APPROVAL OF THE SUPERINTENDENT FOR TIME OF INTERRUPTION.
- THE CONTRACTOR SHALL UNDERTAKE A DIAL BEFORE YOU DIG (DBYD 1100) SERVICES SEARCH BEFORE THE COMMENCEMENT OF ANY WORKS.

FOR S138 APPROVAL

			ARCHITECT			CLIENT			PROJECT			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd. ABN 50 003 696 446			CIVIL & STRUCTURAL ENGINEERS			DRAWING TITLE DRAWING LIST & GENERAL NOTES											
									PROPOSED ROAD INFRASTRUCTURE AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148						PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 f: +61 2 9241 3731 e: mail@costinroe.com.au w: costinroe.com.au																	
ISSUED FOR SECTION 138 APPROVAL			01.29.25			C						DESIGNED LDV			DRAWN JB			DATE MAY '24			CHECKED MW			SIZE B1			SCALE AS SHOWN			CAD REF: C013904.03-RI 100		
ISSUED FOR SECTION 138 APPROVAL			05.12.24			B																										
ISSUED FOR SECTION 138 APPROVAL			26.11.24			A																										
AMENDMENTS			DATE			ISSUE			AMENDMENTS			DATE			ISSUE																	



EXISTING & PROPOSED SERVICES PLAN
AUGUSTA STREET
SCALE 1:200



EXISTING & PROPOSED SERVICES PLAN
AUGUSTA STREET
SCALE 1:200

LEGEND:

- EXISTING ROAD PAVEMENT
- NEW ROAD PAVEMENT
- NEW KERB INLET PIT
- NEW SURFACE INLET PIT
- NEW STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING WATER PIPE
- EXISTING ELEC. CABLE (OVERHEAD)
- EXISTING ELEC. CABLE (U/G)
- EXISTING ELEC. CABLE (HIGH VOLTAGE)
- EXISTING COMMUNICATIONS CABLE
- EXISTING GAS LINE
- EXISTING SEWER PIPE

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Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



2m 0 5 10 15 20m

SCALE 1:200 AT B1 SIZE SHEET

FOR S138 APPROVAL

LEGEND:

- PROPOSED ROAD
- EXISTING KERB
- PROPOSED KERB

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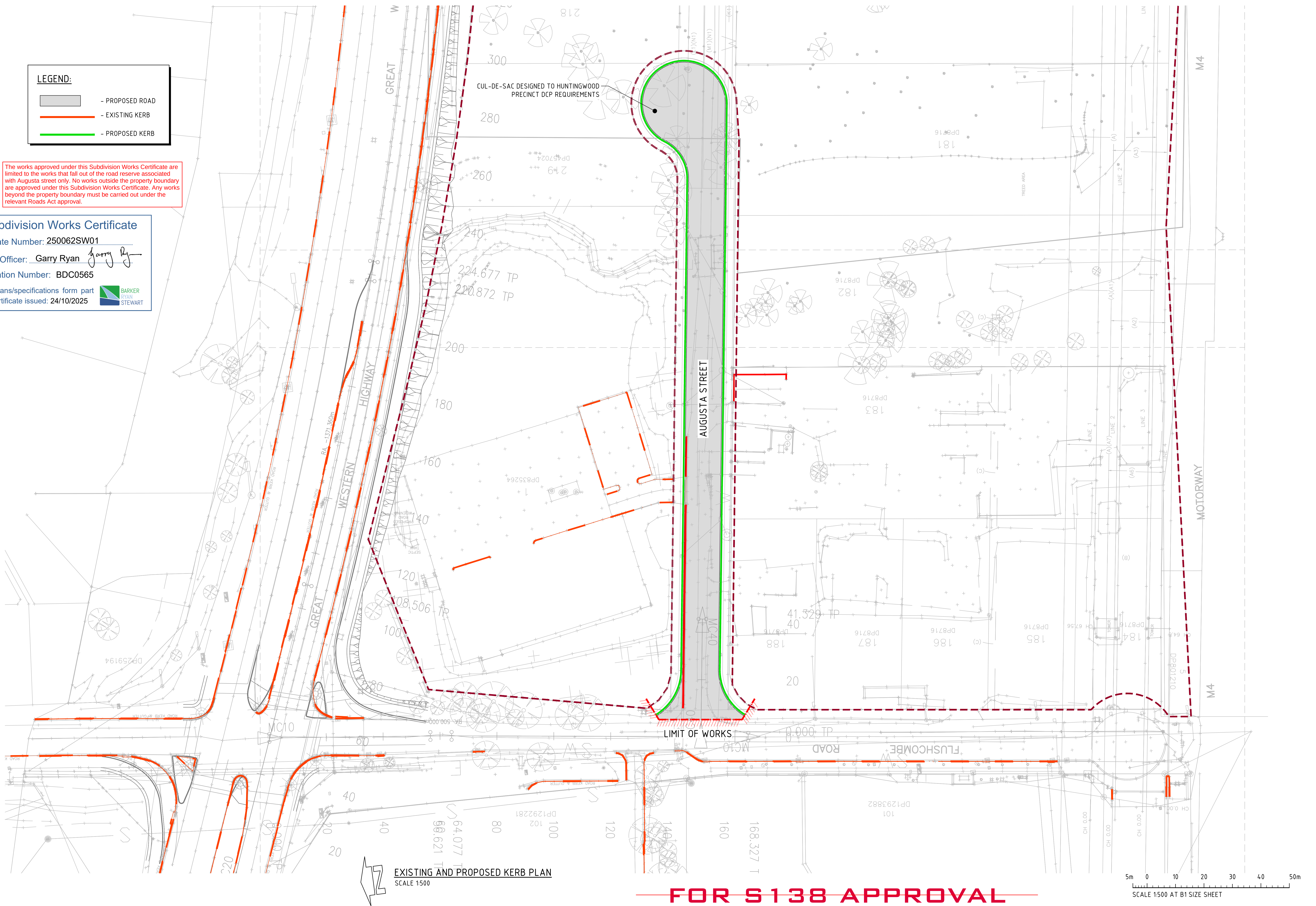
Subdivision Works Certificate

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EXISTING AND PROPOSED KERB PLAN
SCALE 1:500

FOR S138 APPROVAL

ISSUED FOR SECTION 138 APPROVAL AMENDMENTS	DATE	A	ISSUE	AMENDMENTS	DATE	ISSUE
	26.11.24	A	ISSUE			



PROJECT
PROPOSED ROAD INFRASTRUCTURE
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	MAY '24	MW	B1	AS SHOWN	C013904.03-R153



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DRAWING TITLE	DRAWING No	ISSUE
EXISTING KERB AND PROPOSED KERB PLAN	C013904.03-R153	A

LEGEND:
PROVIDE 1m RETURNS TO SILT FENCE AT 30m MAX. INTERVALS.
TYPICAL (N.S.O.P.)

- DENOTES SILT FENCE ONLY
- DENOTES CONSTRUCTION ENTRY
- DENOTES OVERLAND FLOW PATH

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EROSION CONTROL NOTES

ALL SEDIMENT CONTROL WORK INCLUDING DIVERSION BANKS, CATCH DRAINS, V-DRAINS AND SEDIMENT FENCES SHALL BE COMPLETED IN ACCORDANCE WITH THE STAGED PLANS PRESENTED AND SHALL FACILITATE A STAGED CONSTRUCTION METHODOLOGY.

- ALL EROSION & SEDIMENT CONTROLS SHALL BE COMPLETED IN ACCORDANCE WITH THE 'SOILS AND CONSTRUCTION, MANAGING URBAN STORMWATER - THE BLUE BOOK' BY LANDCOM.
- SEDIMENT FENCES AND SEDIMENT FENCE RETURNS SHALL BE ERECTED CONVEX TO THE CONTOUR TO POND WATER.
- STRAW BALE BARRIERS & GEOFABRIC FENCES OR SEDIMENT FENCES ARE TO BE CONSTRUCTED TO TOE OF BATTER, PRIOR TO COMMENCEMENT OF EARTHWORKS, IMMEDIATELY AFTER CLEARING OF VEGETATION AND BEFORE REMOVAL OF TOP SOIL.
- ALL TEMPORARY EARTH BERMS, DIVERSION AND SEDIMENT BASIN EMBANKMENTS ARE TO BE MACHINE COMPACTED, SEEDED AND MULCHED FOR TEMPORARY VEGETATION COVER AS SOON AS THEY HAVE BEEN FORMED. REFER TO TABLE 1 FOR APPROVED STABILISATION METHODS.
- CLEAN OR NON-SITE WATER IS TO BE DIVERTED AWAY FROM DISTURBED GROUND AND INTO THE DRAINAGE SYSTEM OVER STABLE SURFACES.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROVIDING ON GOING ADJUSTMENT TO EROSION CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION.
- ALL SEDIMENT TRAPPING STRUCTURES AND DEVICES ARE TO BE INSPECTED AFTER STORMS OF 5mm OR GREATER WITHIN A 24 HOUR PERIOD FOR STRUCTURAL DAMAGE OR CLOGGING, TRAPPED MATERIAL IS TO BE REMOVED TO A SAFE, APPROVED LOCATION.
- THE SITE IS TO BE INSPECTED FOLLOWING A RAINFALL EVENT OF 5mm OR GREATER WITHIN A 24 HOUR PERIOD FOR EVIDENCE OF EROSION AND RESPOND WITH INCREASED CONTROL IF REQUIRED.
- ALL FINAL EROSION PREVENTION MEASURES INCLUDING THE ESTABLISHMENT OF GRASSING ARE TO BE MAINTAINED UNTIL THE END OF THE DEFECTS LIABILITY PERIOD.
- ALL EARTHWORKS AREAS SHALL BE ROLLED ON A REGULAR BASIS TO SEAL THE EARTHWORKS.
- ALL FILL AREAS ARE TO BE LEFT WITH A BUND AT THE TOP OF THE SLOPE AT THE END OF EACH DAY'S EARTHWORKS TO DIRECT WATER TO A STABLE OUTLET OVER THE BATTER OR INTERNALLY TOWARDS SEDIMENT CONTROL. THE HEIGHT OF THE BUND SHALL BE A MINIMUM OF 200mm.
- ALL CUT AND FILL SLOPES ARE TO BE SEEDED AND HYDROMULCHED WITHIN 10 DAYS OF COMPLETION OF FORMATION.
- AFTER PERMANENT STABILISATION OF THE SITE IS COMPLETE (I.E. BY TOPSOILING, PAVING ETC.) AND THE SITE IS DEEMED TO BE STABLE IN THE OPINION OF A SUITABLY QUALIFIED PERSON ALL TEMPORARY WORK SUCH AS SEDIMENT FENCE, DIVERSION DRAINS ETC SHALL BE REMOVED.
- ALL STOCKPILES ARE TO BE SUITABLY COVERED AND STABILIZED TO THE SATISFACTION OF THE SITE MANAGER TO PREVENT WIND AND WATER EROSION.
- ANY AREA THAT IS NOT APPROVED BY THE CONTRACT ADMINISTRATOR FOR CLEARING OR DISTURBANCE BY THE CONTRACTOR'S ACTIVITIES SHALL BE CLEARLY MARKED AND SIGN POSTED, FENCED OFF OR OTHERWISE APPROPRIATELY PROTECTED AGAINST ANY SUCH DISTURBANCE.
- ALL STOCKPILE SITES SHALL BE SITUATED IN AREAS INDICATED ON THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN OR APPROVED FOR SUCH USE BY THE SITE MANAGER. A 6m BUFFER ZONE SHALL EXIST BETWEEN STOCKPILE SITES AND ANY STREAM OR FLOW PATH. ALL STOCKPILES SHALL BE ADEQUATELY PROTECTED FROM EROSION AND CONTAMINATION OF THE SURROUNDING AREA BY USE OF THE MEASURES IN THE APPROVED ESCP.
- ACCESS AND EXIT AREAS SHALL INCLUDE TRUCK SHAKER GRID OR OTHER METHODS APPROVED BY THE SITE MANAGER FOR THE REMOVAL OF SOIL MATERIALS FORM MOTOR VEHICLES.
- THE CONTRACTOR IS TO ENSURE RUNOFF FROM ALL AREAS WHERE THE NATURAL SURFACE IS DISTURBED BY CONSTRUCTION, INCLUDING ACCESS ROADS, DEPOT AND STOCKPILE SITES, SHALL BE FREE OF SEDIMENTS BEFORE IT IS EITHER DISPERSED TO STABLE AREAS OR DIRECTED TO NATURAL WATERCOURSES.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SLOPES, CROWNS AND DRAINS ON ALL EXCAVATIONS AND EMBANKMENTS TO ENSURE SATISFACTORY DRAINAGE AT ALL TIMES WATER SHALL NOT BE ALLOWED TO POND ON THE WORKS UNLESS SUCH PONDING IS PART OF AN APPROVED ESCP / SWMP.

SILT FENCE ONLY
TO BE INSTALLED TO CAPTURE
SEDIMENT-CARRYING RUNOFF LEAVING SITE

STABILISED CONSTRUCTION ENTRY
REFER DRAWING RI250FOR DETAIL

PROVIDE KERB INLET PIT CONTROL AT NEW PITS
REFER DRAWING RI250 FOR DETAIL

FUTURE FLUSHCOMBE HALF-ROAD UPGRADE
NOT PART OF THE SECTION 138 APPLICATION

EXISTING FLUSHCOMBE HALF-ROAD



EROSION AND SEDIMENT CONTROL PLAN
SCALE 1:500

FOR S138 APPROVAL

5m 0 10 20 30 40 50m
SCALE 1500 AT B1 SIZE SHEET

ISSUED FOR SECTION 138 APPROVAL		05.12.24	B		
ISSUED FOR SECTION 138 APPROVAL		26.11.24	A		
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE

ARCHITECT
PACE
ARCHITECTS

CLIENT
LOGOS

PROJECT
PROPOSED ROAD INFRASTRUCTURE
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	MAY '24	MW	B1	AS SHOWN	C013904.03-RI200



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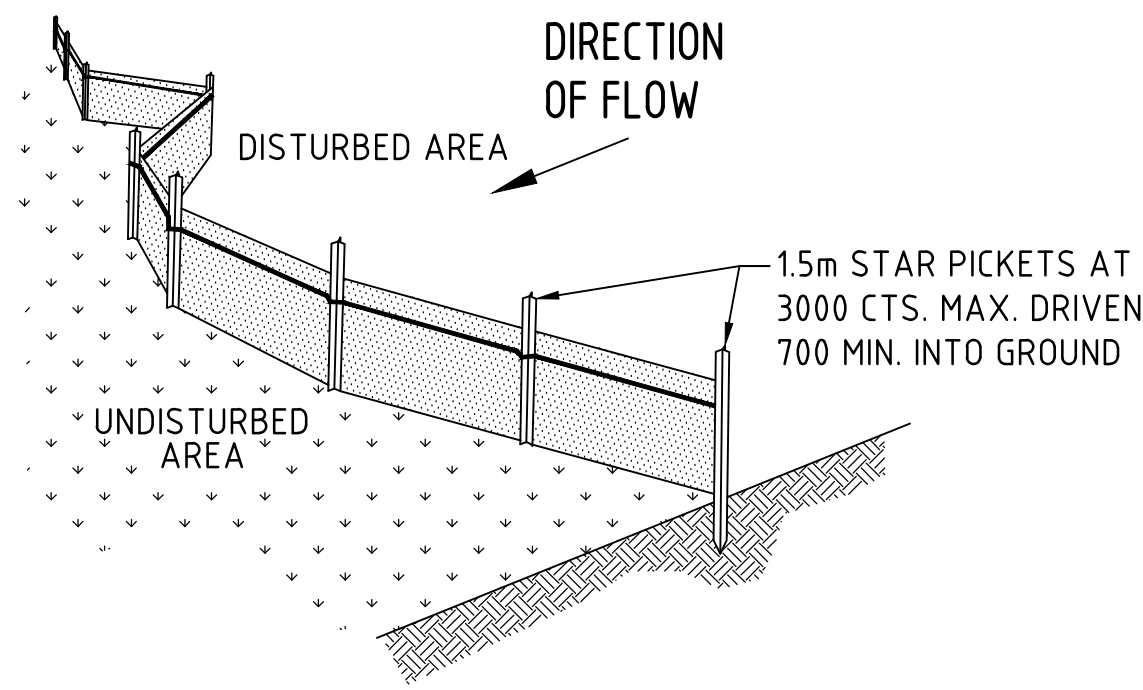
CRC
COSTIN ROE
CONSULTING

**CIVIL &
STRUCTURAL
ENGINEERS**

DRAWING TITLE
EROSION AND SEDIMENT CONTROL PLAN

DRAWING No
C013904.03-RI200

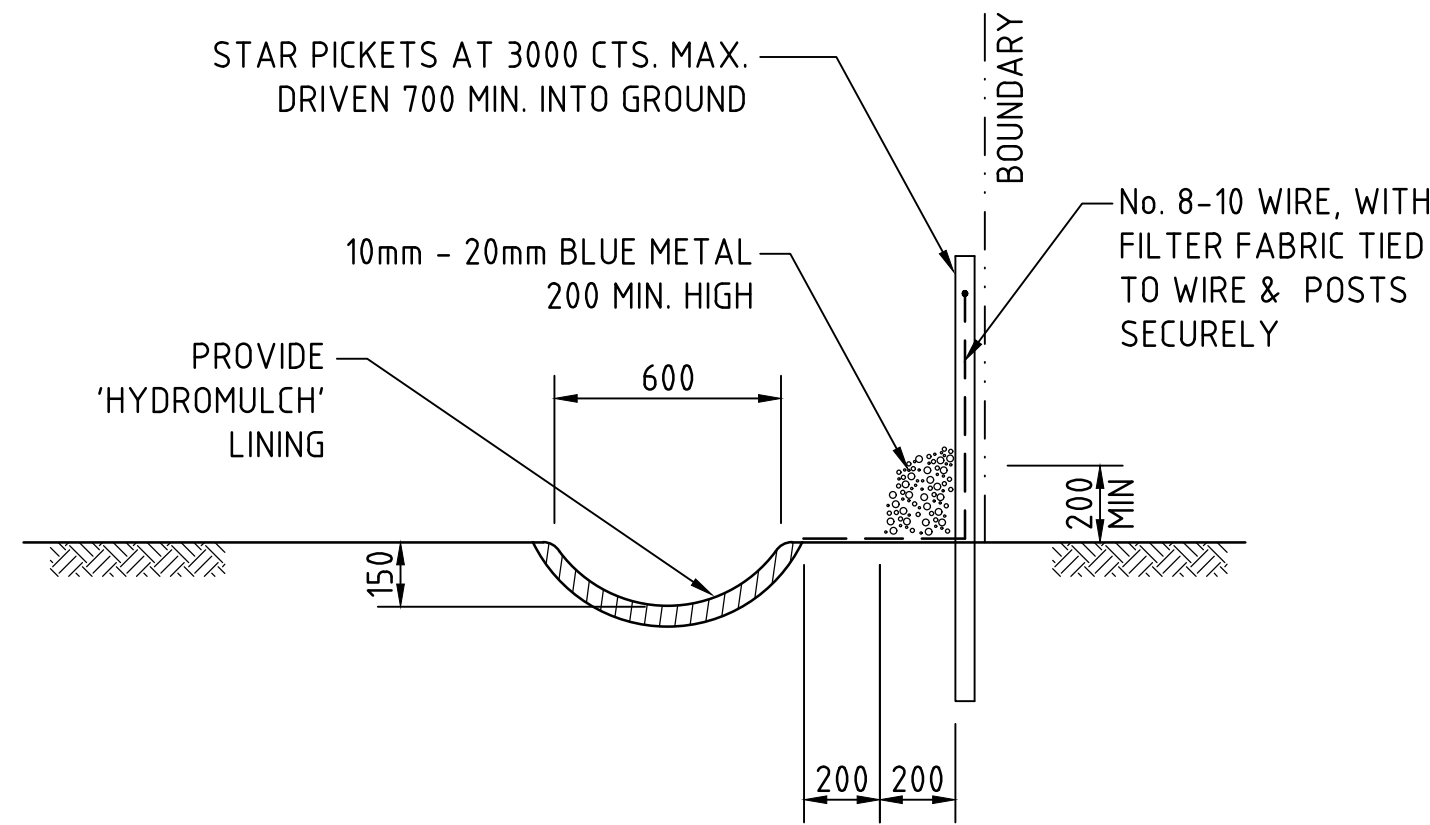
ISSUE
A



TYPICAL SILT FENCE DETAIL

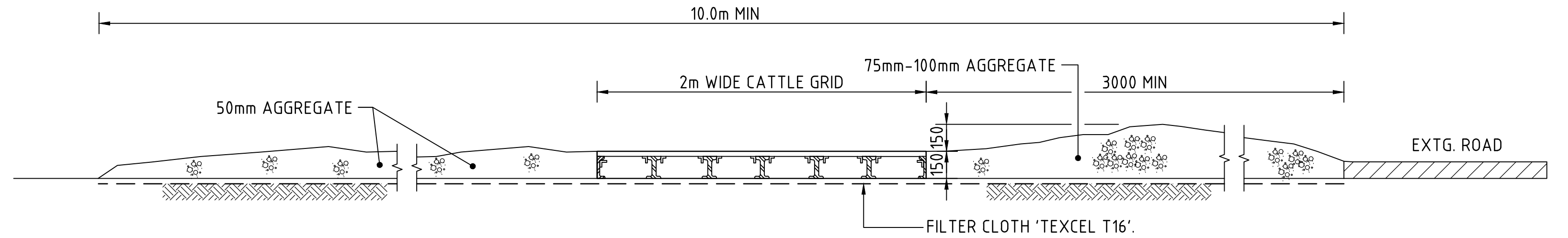
N.T.S

NOTE: PROVIDE 1m RETURNS AT 30m INTERVALS. TYPICAL



TYPICAL OPEN DRAIN & SILT FENCE

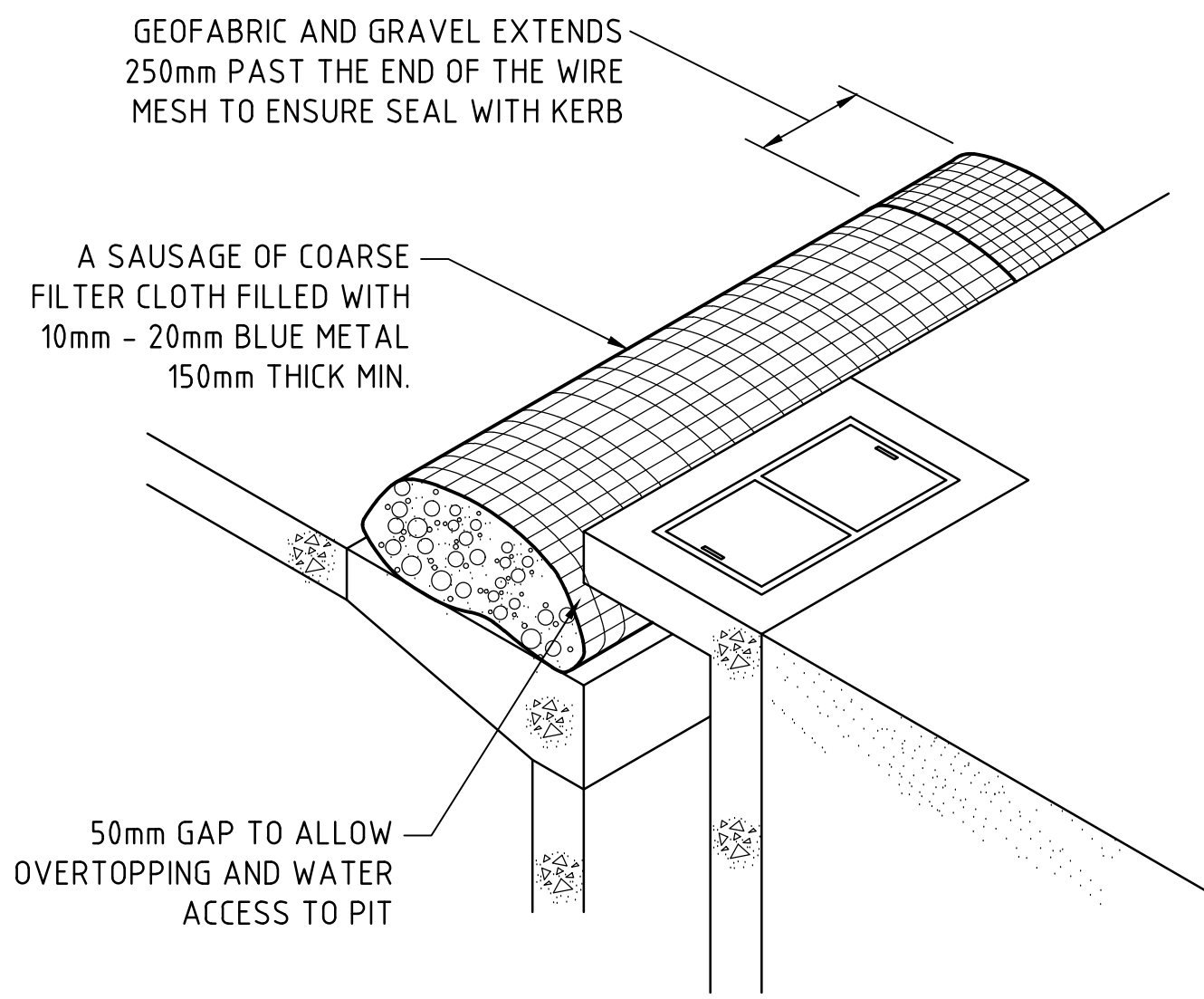
SCALE 1:20



SECTION 1: STABILISED CONSTRUCTION ENTRANCE 'TRUCK SHAKER'

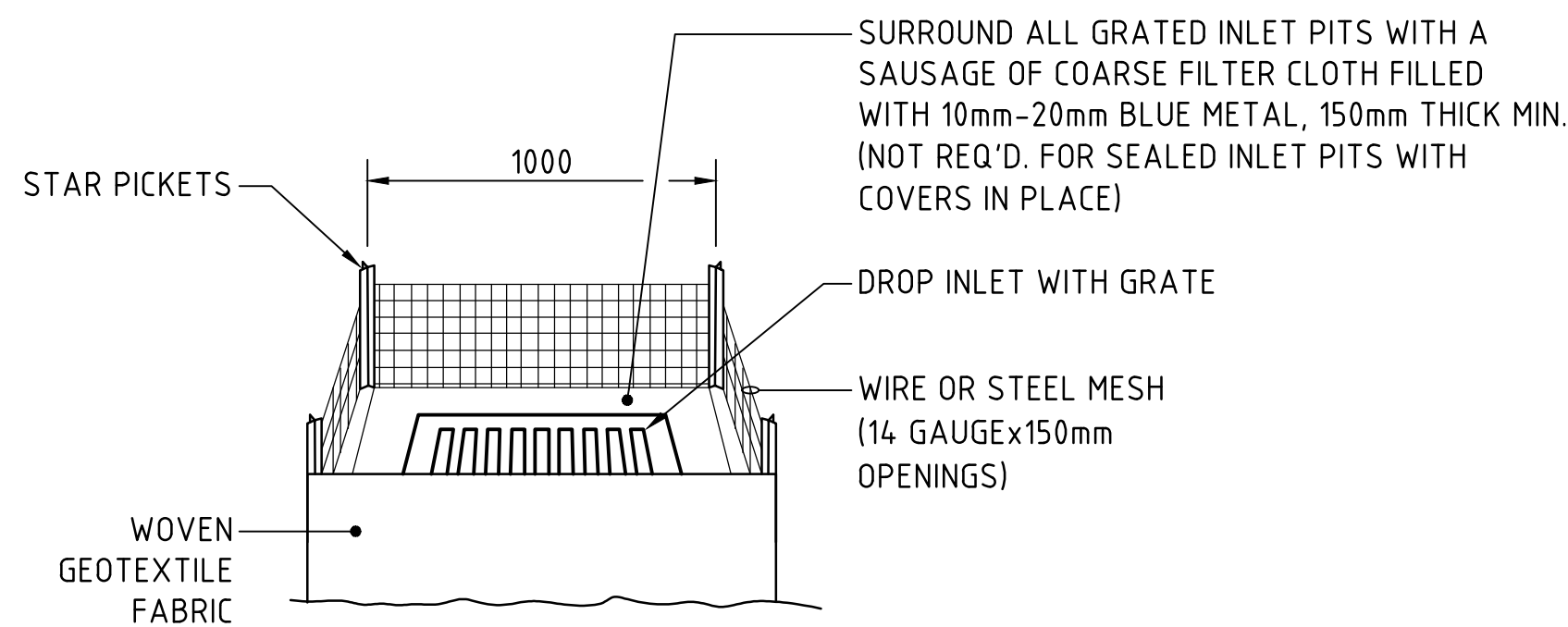
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C200

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KERB INLET CONTROL

N.T.S



GRATED INLET PIT FILTER DETAIL

N.T.S

NOTE :
ADOPT ABOVE DETAILS AROUND ALL PITS WITHIN AREA ENCOMPASSED BY SILT FENCE & TO PITS ON THE ROAD ADJACENT TO SITE BOUNDARY.

Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



200mm 0 500 1000 1500 2000mm
SCALE 1:20 AT B1 SIZE SHEET

FOR S138 APPROVAL

ISSUED FOR SECTION 138 APPROVAL	26.11.24	A			
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE

ARCHITECT



CLIENT



PROJECT

PROPOSED ROAD INFRASTRUCTURE
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	MAY '24	MW	B1	AS SHOWN	C013904.03-R1250



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e: mail@costinroe.com.au w: costinroe.com.au



CIVIL &
STRUCTURAL
ENGINEERS

DRAWING TITLE

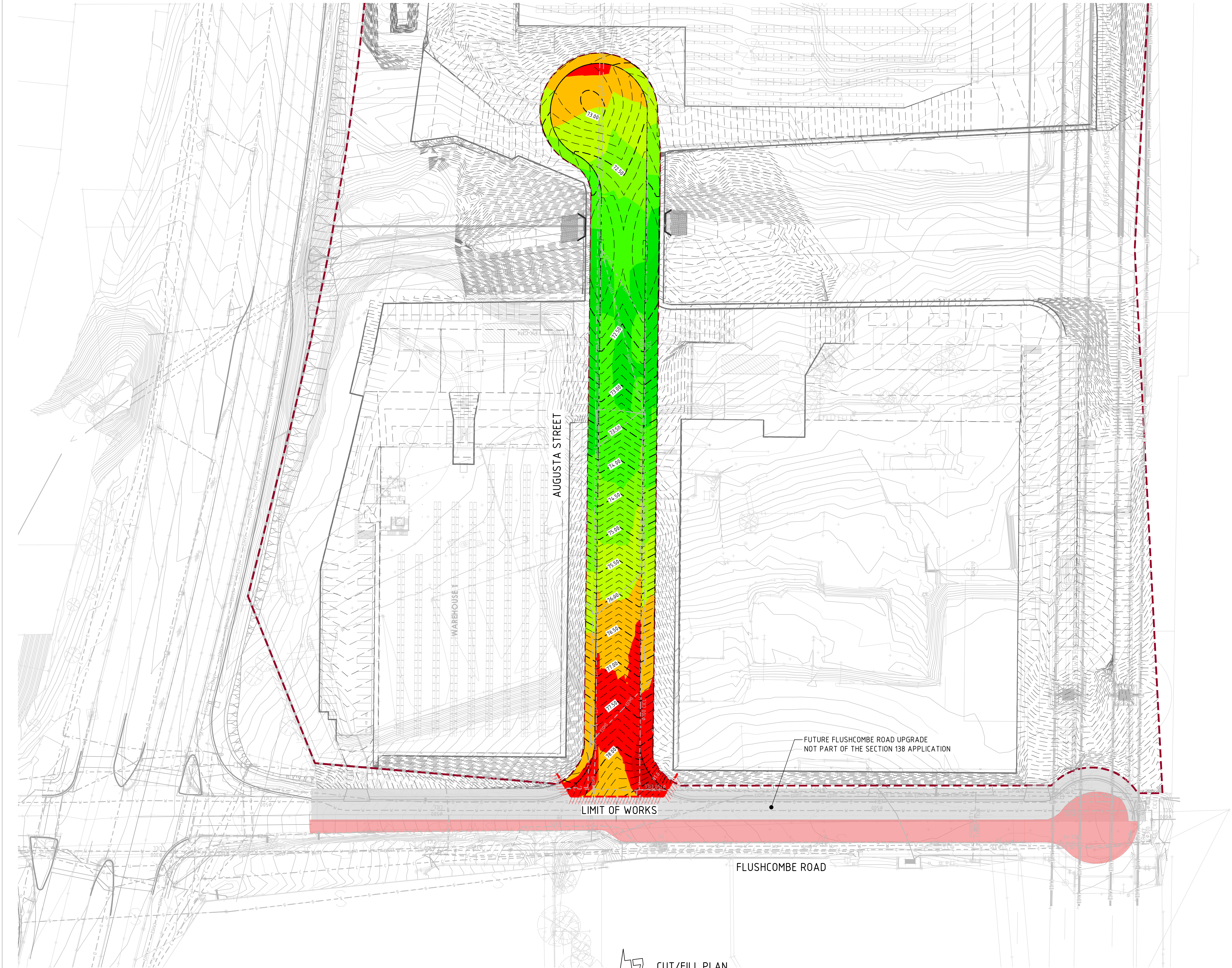
EROSION AND SEDIMENT CONTROL DETAILS

DRAWING No C013904.03-R1250

ISSUE

A

ISSUE
P

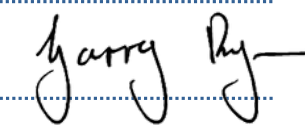


DEPTH RANGE				
No.	FROM DEPTH	TO DEPTH	COLOUR	DEPTH RANGE VOLUME
1	-3.000	-2.000	Red	16m ³
2	-2.000	-1.000	Red	353m ³
3	-1.000	0.000	Orange	2559m ³
4	0.000	1.000	Yellow	3267m ³
5	1.000	2.000	Light Green	2383m ³
6	2.000	3.000	Green	1530m ³
7	3.000	4.000	Dark Green	372m ³
8	4.000	5.000	Dark Green	29m ³
9	5.000	6.000	Dark Green	0m ³

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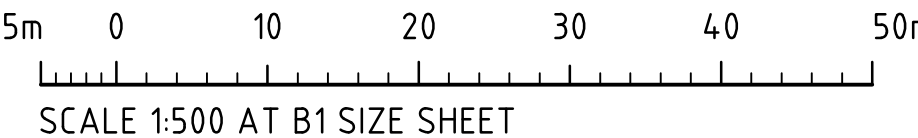
Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan 

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025 



CUT/FILL PLAN
SCALE 1:500

FOR S138 APPROVAL

PIT SCHEDULE - NETWORK AS					
PIT No.	GRATE RL	DEPTH	TYPE	GRATE SIZE	COMMENT
PIT AS1	78.39	1220	KIP	900X450	1.8m LINTEL
PIT AS2	76.11	1190	KIP	900X450	1.8m LINTEL
PIT AS3	73.48	1280	KIP	900X450	1.8m LINTEL
PIT AS4	72.91	1290	KIP	900X450	1.8m LINTEL
PIT AS5	72.78	2920	KIP	900X450	2.4m LINTEL
PIT AS6	78.37	1110	KIP	900X450	1.8m LINTEL
PIT AS7	76.27	1110	KIP	900X450	1.8m LINTEL
PIT AS8	73.60	1120	KIP	900X450	1.8m LINTEL
PIT AS9	72.78	1110	KIP	900X450	2.4m LINTEL

- PIT NOTES:**
1. REFER TO BLACKTOWN CITY COUNCIL STANDARD DRAWING AIBS106M FOR KERB INLET PIT DETAILS.
 2. REFER TO BALCKTOWN CITY COUNCIL STANDARD DRAWING AIBS109M FOR SURFACE INLET PIT DETAILS.
 3. PITS DEEPER THAN 2000 SHALL BE DESIGNED BY A STRUCTURAL ENGINEER DURING THE DETAIL DESIGN STAGE

The works approved under this Subdivision Works Certificate are limited to the works that fall out of the road reserve associated with Augusta street only. No works outside the property boundary are approved under this Subdivision Works Certificate. Any works beyond the property boundary must be carried out under the relevant Roads Act approval.

Subdivision Works Certificate

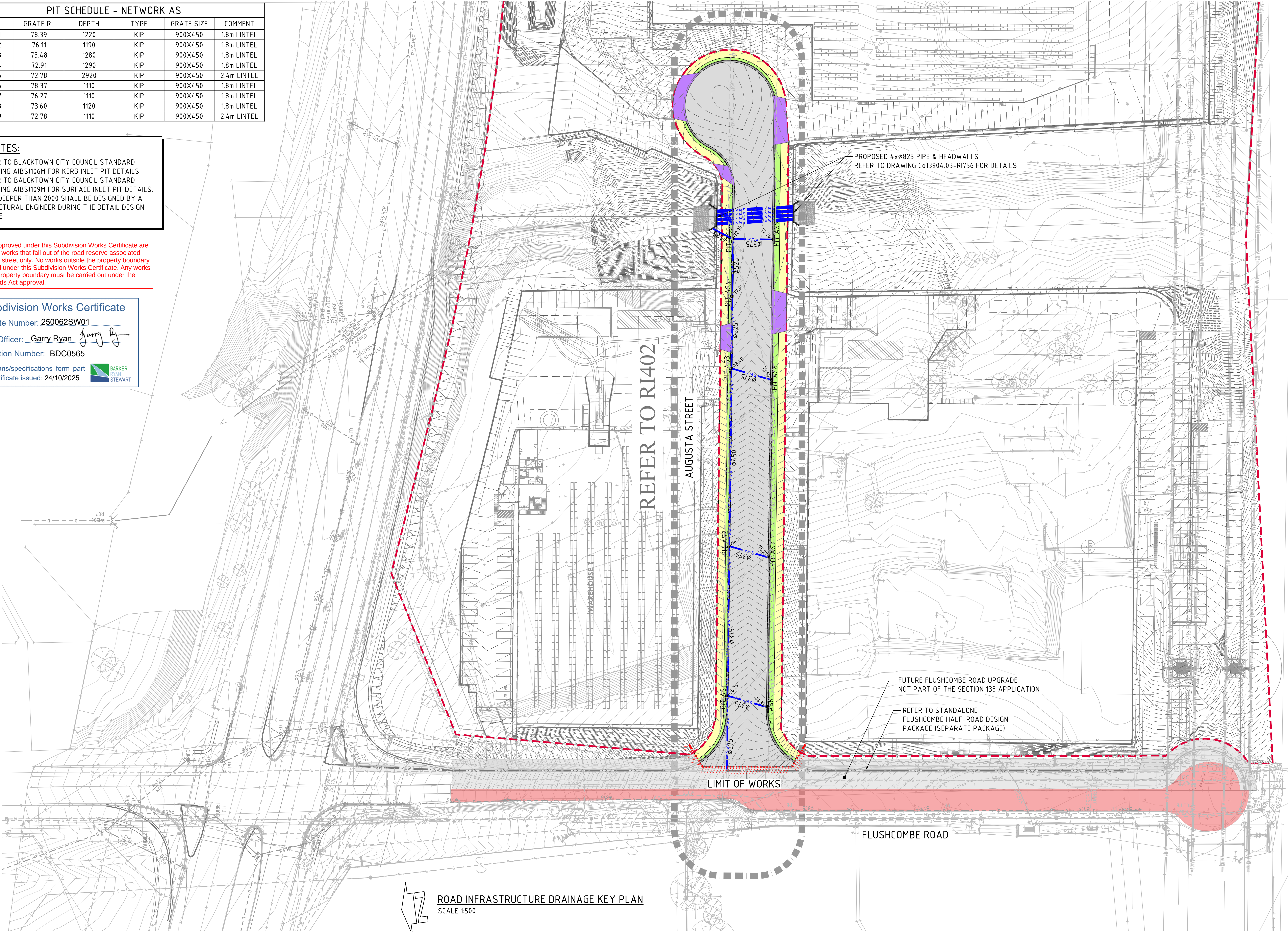
Certificate Number: 250062SW01

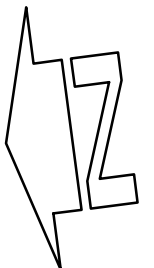
Issuing Officer: Garry Ryan *Garry Ryan*

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



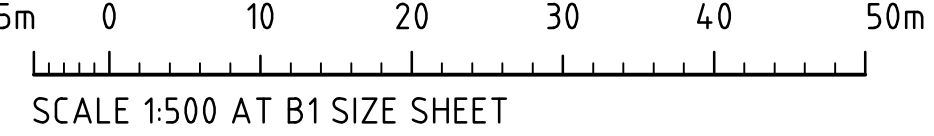


 **ROAD INFRASTRUCTURE DRAINAGE KEY PLAN**
SCALE 1:500

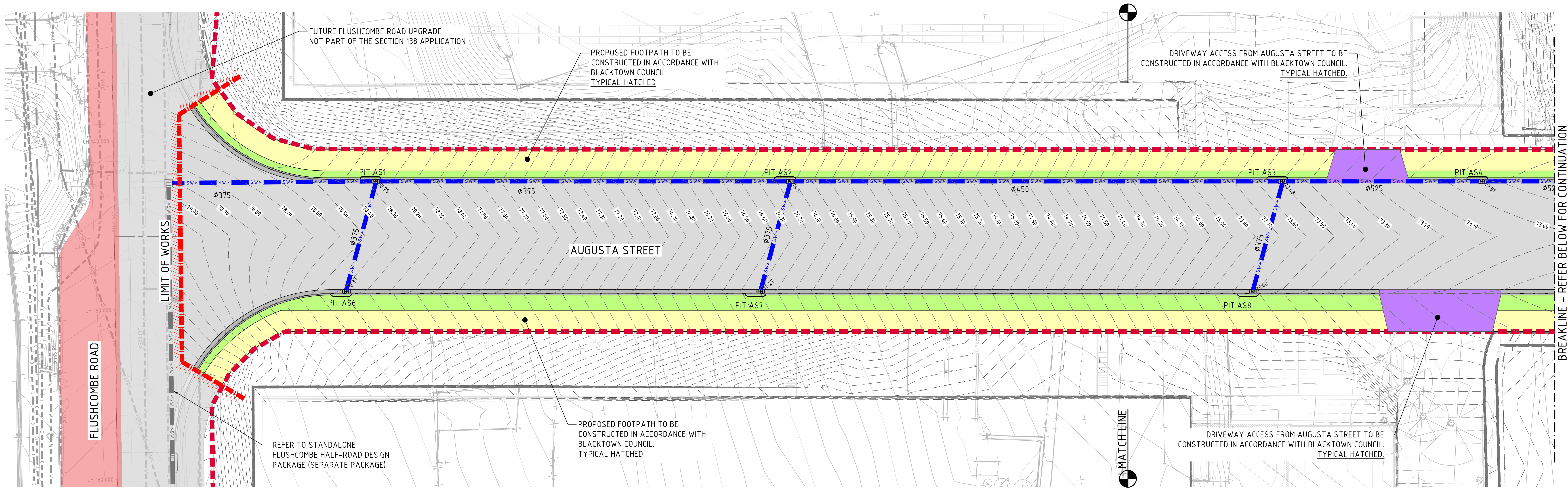
PROPOSED 4xØ825 PIPE & HEADWALLS
REFER TO DRAWING C013904.03-R1756 FOR DETAILS

FUTURE FLUSHCOMBE ROAD UPGRADE
NOT PART OF THE SECTION 138 APPLICATION

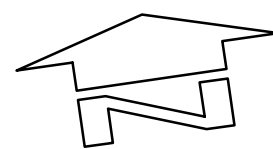
REFER TO STANDALONE
FLUSHCOMBE HALF-ROAD DESIGN
PACKAGE (SEPARATE PACKAGE)



FOR S138 APPROVAL



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ROAD INFRASTRUCTURE DRAINAGE PLAN
AUGUSTA STREET
SCALE 1:200

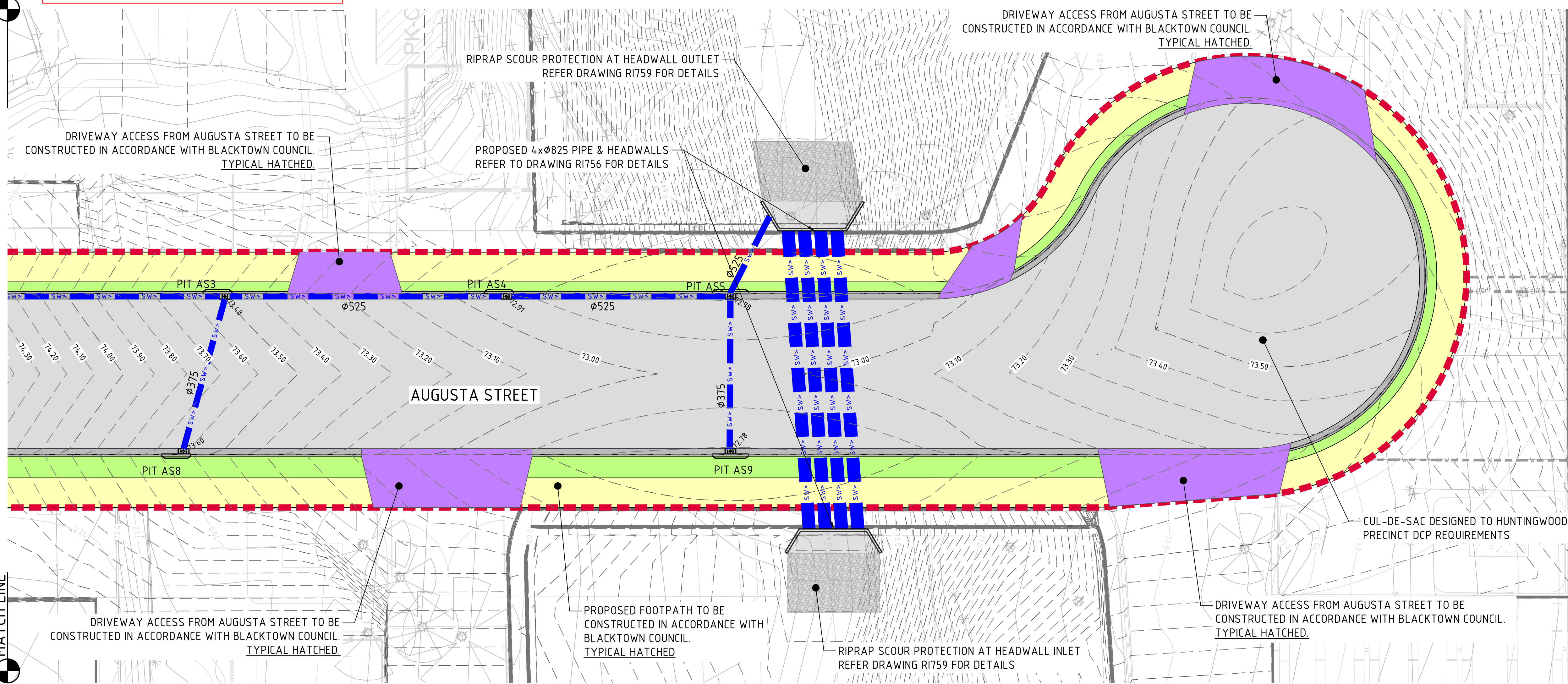
Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



LEGEND:

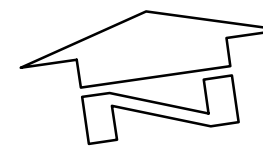
- NEW SURFACE INLET PIT, SIP
- NEW KERB INLET PIT, KIP
- EXISTING ROAD PAVEMENT
- NEW ROAD PAVEMENT
- NEW FOOTPATH
- NEW VEHICLE CROSSING
- NEW STORMWATER PIPE
- EXISTING STORMWATER PIPE
- EXISTING WATER PIPE
- EXISTING ELEC. CABLE (OVERHEAD)
- EXISTING ELEC. CABLE (U/G)
- EXISTING ELEC. CABLE (HIGH VOLTAGE)
- EXISTING COMMUNICATIONS CABLE
- EXISTING GAS LINE
- EXISTING SEWER LINE

PIT NOTES:

- REFER TO BLACKTOWN CITY COUNCIL STANDARD DRAWING A(BS)106M FOR KERB INLET PIT DETAILS.
- REFER TO BLACKTOWN CITY COUNCIL STANDARD DRAWING A(BS)109M FOR SURFACE INLET PIT DETAILS.
- PITS DEEPER THAN 2000 SHALL BE DESIGNED BY A STRUCTURAL ENGINEER DURING THE DETAIL DESIGN STAGE.

2m 0 5 10 15 20m
SCALE 1:200 AT B1 SIZE SHEET

FOR S138 APPROVAL



ROAD INFRASTRUCTURE DRAINAGE PLAN
AUGUSTA STREET
SCALE 1:200

ARCHITECT



CLIENT



PROJECT
PROPOSED ROAD INFRASTRUCTURE
AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
LDV	JB	MAY '24	MW	B1	AS SHOWN	C013904.03-R1402



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DRAWING TITLE
ROAD INFRASTRUCTURE DRAINAGE PLAN
AUGUSTA STREET

DRAWING No
C013904.03-R1402

ISSUE
B

ISSUED FOR SECTION 138 APPROVAL	05.12.24	B
AMENDMENTS	26.11.24	A
AMENDMENTS	DATE	ISSUE

The works approved under this Subdivision Works Certificate are limited to the works that fall out of the road reserve associated with Augusta street only. No works outside the property boundary are approved under this Subdivision Works Certificate. Any works beyond the property boundary must be carried out under the relevant Roads Act approval.

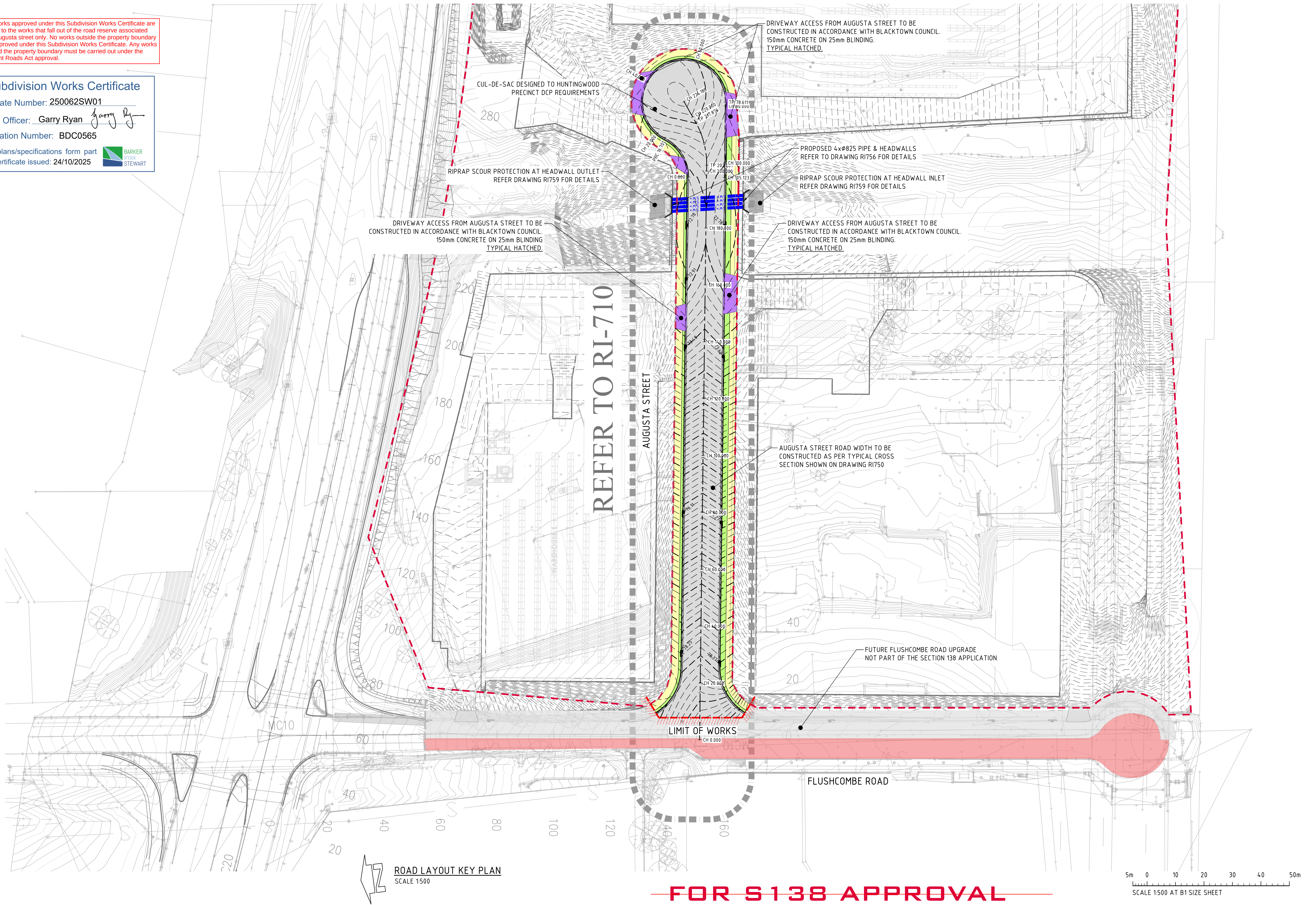
Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan 

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



ROAD LAYOUT KEY PLAN
SCALE 1:500

FOR S138 APPROVAL

5m 0 10 20 30 40 50m
SCALE 1500 AT B1 SIZE SHEET

ISSUED FOR SECTION 138 APPROVAL		05.12.24	B		
ISSUED FOR SECTION 138 APPROVAL		26.11.24	A		
AMENDMENTS	DATE	ISSUE	AMENDMENTS	DATE	ISSUE



PROJECT PROPOSED ROAD INFRASTRUCTURE AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148					
DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE
LDV	JB	MAY '24	MW	B1	AS SHOWN
CAD REF: C013904.03-R1700					



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DRAWING TITLE ROAD LAYOUT KEY PLAN	
DRAWING No	C013904.03-R1700

ISSUE
B

LEVELS DATUM IS AHD.

- | | |
|---|---|
|  | - NEW SURFACE INLET PIT, SIP |
|  | - NEW KERB INLET PIT, KIP |
|  | - 50.00 ——— - FINISHED PAVEMENT CONTOUR (MAJOR)
0.5m INTERVALS |
|  | - 50.10 ——— - FINISHED PAVEMENT CONTOUR (MINOR)
0.1m INTERVALS |
|  | - EXISTING ROAD PAVEMENT |
|  | - NEW ROAD PAVEMENT |
|  | - NEW FOOTPATH |
|  | - NEW VEHICULAR CROSSOVER |

REFER TO RI721 FOR LONG-SECTIONS
REFER TO RI750 FOR TYPICAL SECTIONS
REFER TO RI755 FOR TYPICAL DETAILS

— RIPRAP SCOUR PROTECTION AT HEADWALL OUTLET
REFER DRAWING RI759 FOR DETAILS

DRIVEWAY ACCESS FROM AUGUSTA STREET TO BE
CONSTRUCTED IN ACCORDANCE WITH BLACKTOWN COUNCIL.
150mm CONCRETE ON 25mm BLINDING.
TYPICAL HATCHED.

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AUGUSTA STREET

PROPOSED 4xØ825 PIPE & HEADWALLS ———
REFER DRAWING RI756 FOR DETAILED SECTION

PROPOSED FOOTPATH TO BE
CONSTRUCTED IN ACCORDANCE WITH
BLACKTOWN COUNCIL.
100mm CONCRETE ON 25mm BLINDING
TYPICAL HATCHED

— DRIVEWAY ACCESS FROM AUGUSTA STREET TO BE
CONSTRUCTED IN ACCORDANCE WITH BLACKTOWN COUNCIL
150mm CONCRETE ON 25mm BLINDING.
TYPICAL HATCHED.

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan *Garry Ryan*

Registration Number: BDC0565

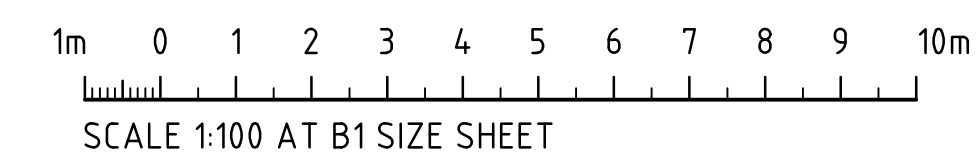
These plans/specifications form part
of the certificate issued: 24/10/2025

— RIPRAP SCOUR PROTECTION AT HEAD
REFER DRAWING RI759 FOR DETAILS

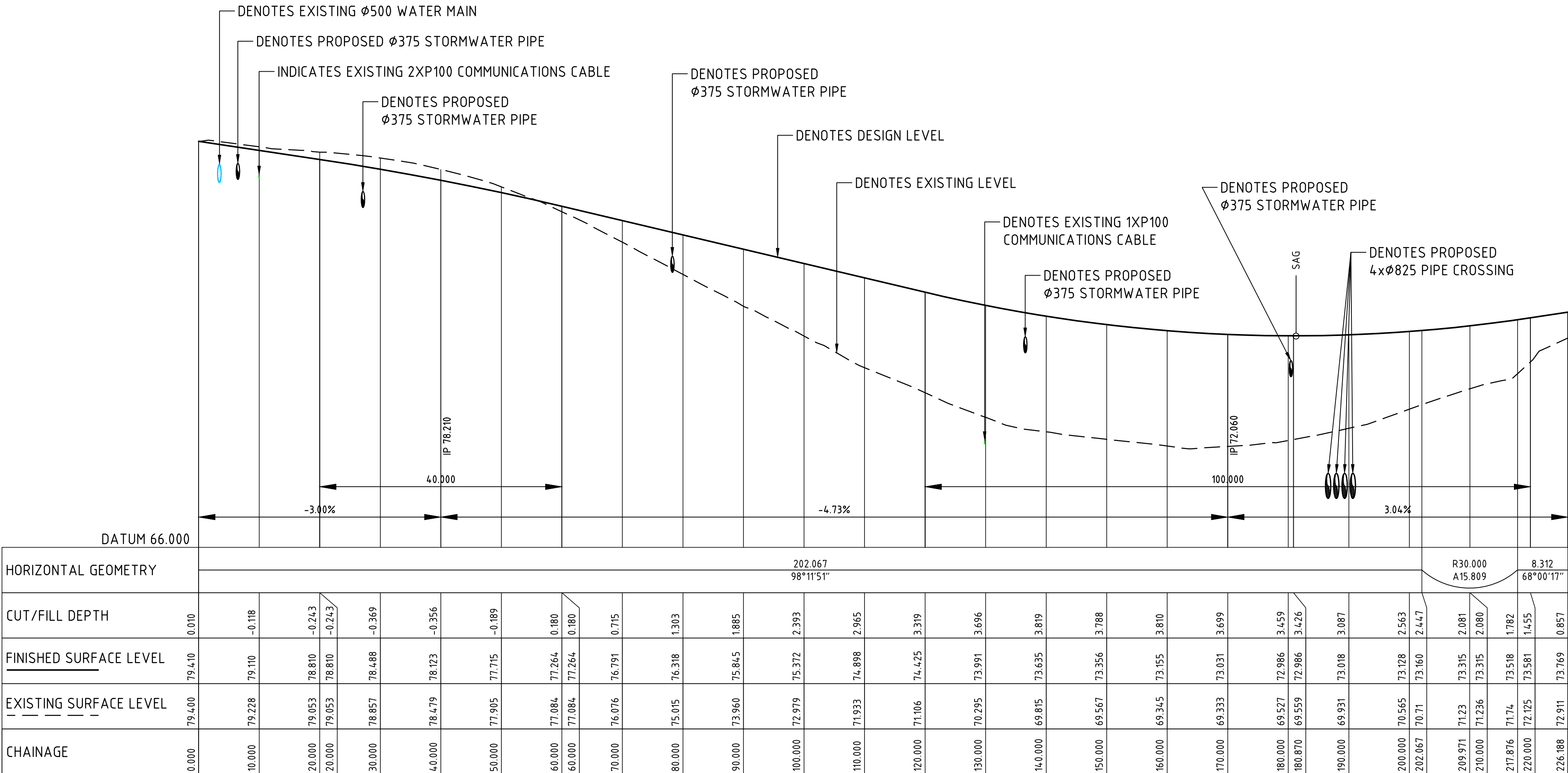


CUL-DE-SAC LAYOUT- AUGUSTA STREET
SCALE 1:100

FOR S138 APPROVAL

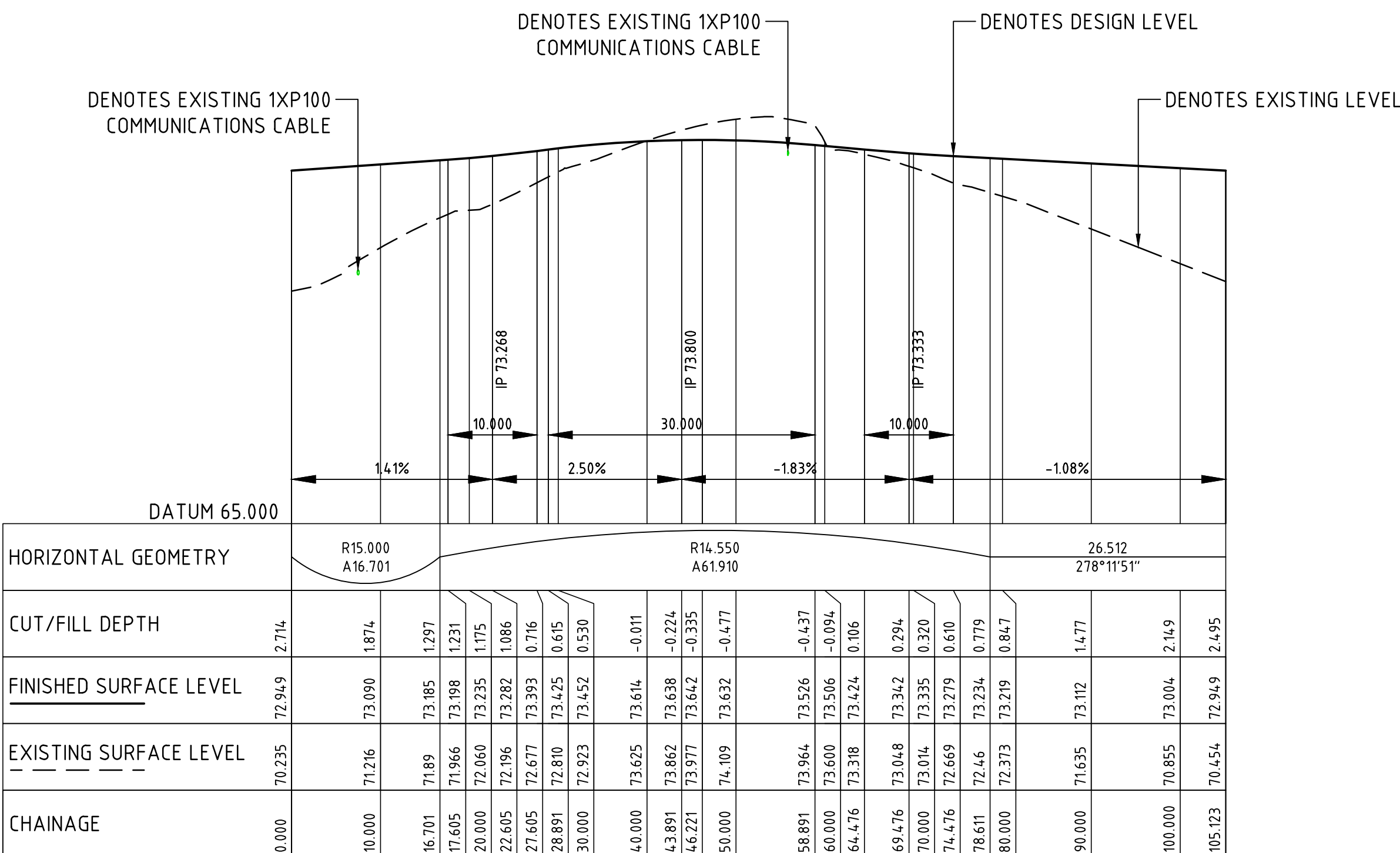
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LONGITUDINAL SECTION - CL AUGUSTA STREET

HORIZONTAL SCALE 1:50
VERTICAL SCALE 1:10



LONGITUDINAL SECTION - AUGUSTA STREET CUL-DE-SAC

HORIZONTAL SCALE 1:50
VERTICAL SCALE 1:10

Subdivision Works Certificate	
Certificate Number:	250062SW01
Issuing Officer:	Garry Ryan <i>Garry Ryan</i>
Registration Number:	BDC0565
These plans/specifications form part of the certificate issued: 24/10/2025	
	

5m 0 10 20 30 40 50m
SCALE 1:500 AT B1 SIZE SHEET

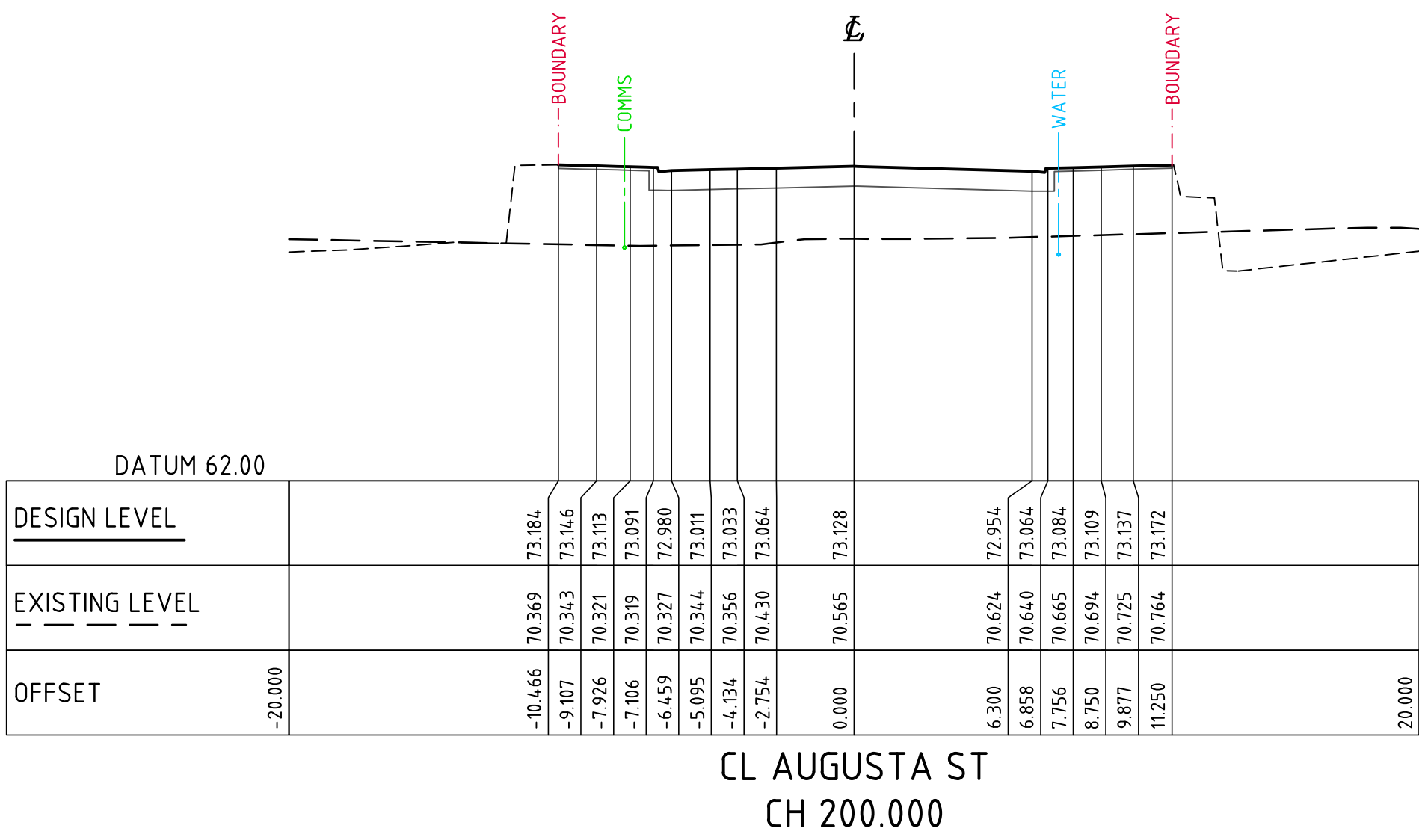
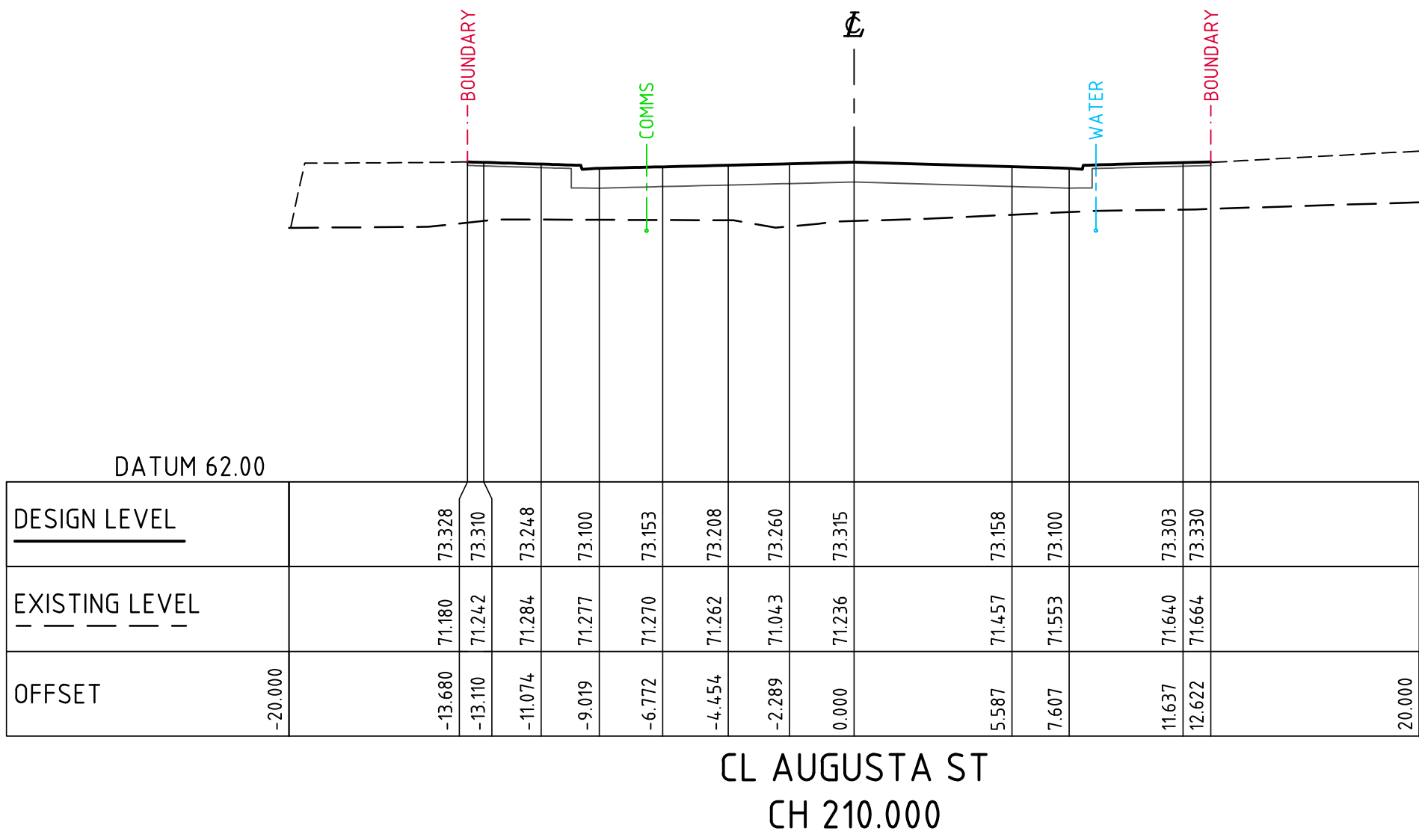
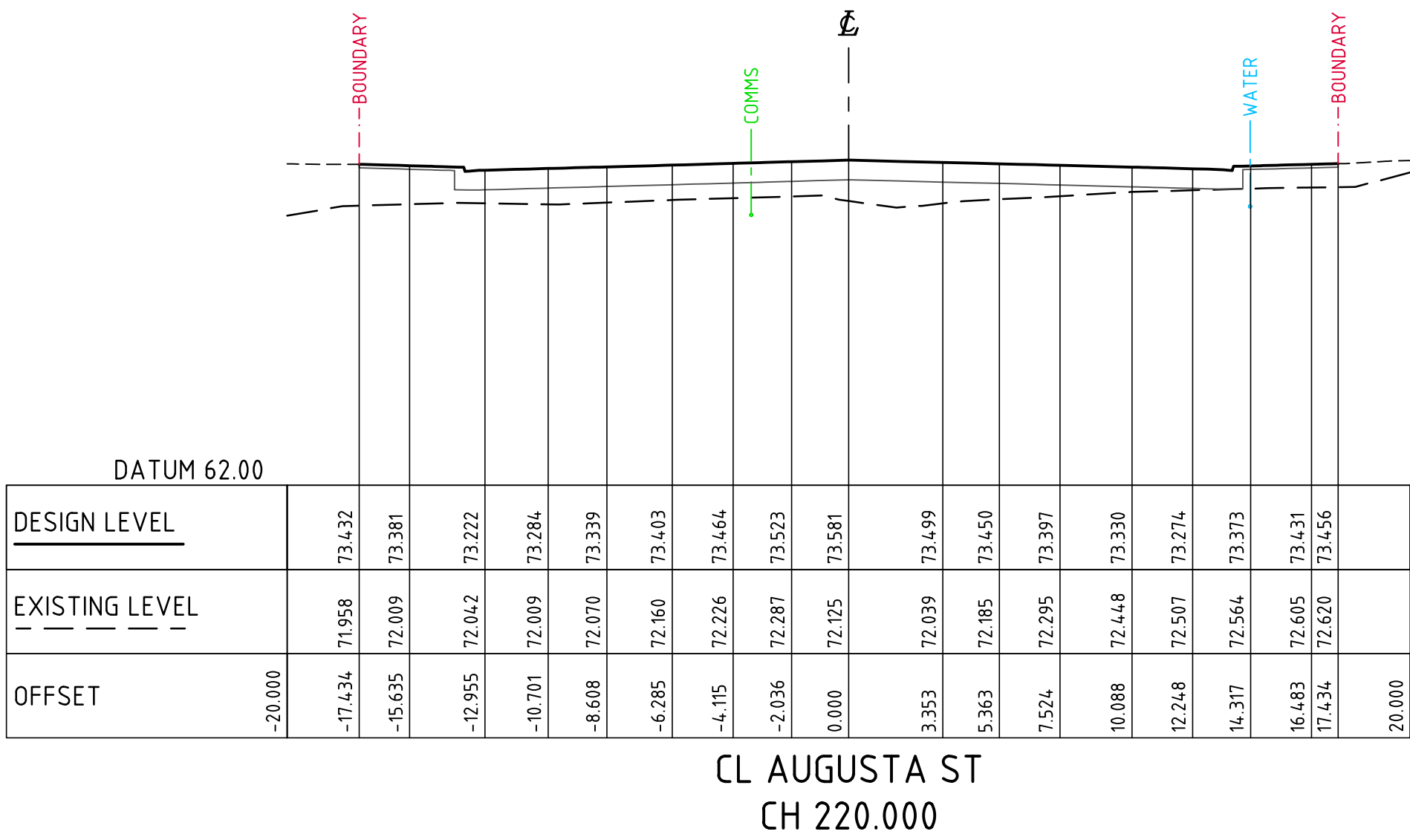
1m 0 1 2 3 4 5 6 7 8 9 10m
SCALE 1:100 AT B1 SIZE SHEET

~~FOR S138 APPROVAL~~

[illegible]

LEGEND:
——— - DENOTES DESIGN ROAD PAVEMENT SURFACE PROFILE
----- - DENOTES SITE GRADING PROFILE
- - - - - - DENOTES EXISTING PROFILE

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Subdivision Works Certificate
Certificate Number: 250062SW01
Issuing Officer: Garry Ryan
Registration Number: BDC0565
These plans/specifications form part of the certificate issued: 24/10/2025

2m 0 5 10 15 20m
SCALE 1:200 AT B1 SIZE SHEET

FOR S138 APPROVAL

ISSUED FOR SECTION 138 APPROVAL	05.12.24	B
ISSUED FOR SECTION 138 APPROVAL	26.11.24	A
AMENDMENTS	DATE	ISSUE
AMENDMENTS	DATE	ISSUE



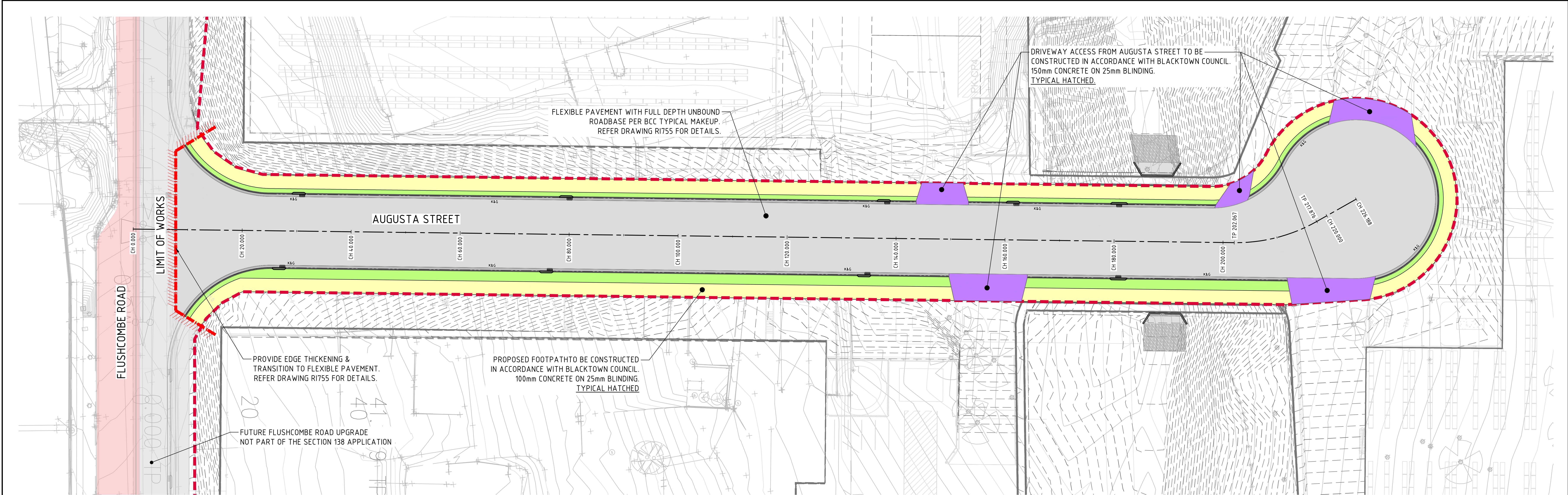
PROJECT	PROPOSED ROAD INFRASTRUCTURE
LOCATION	AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148
DESIGNED	LDV
DRAWN	JB
DATE	MAY '24
CHECKED	MW
SIZE	B1
SCALE	AS SHOWN
CAD REF:	C013904.03-R1735



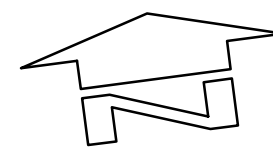
Costin Roe Consulting Pty Ltd.
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DRAWING TITLE	AUGUSTA STREET CROSS SECTIONS
SHEET	3
DRAWING No	C013904.03-R1735
ISSUE	B



The works approved under this Subdivision Works Certificate are limited to the works that fall out of the road reserve associated with Augusta street only. No works outside the property boundary are approved under this Subdivision Works Certificate. Any works beyond the property boundary must be carried out under the relevant Roads Act approval.



ROADWORKS PAVEMENT PLAN - AUGUSTA STREET
SCALE 1:300

LEGEND:

- K&G - KERB & GUTTER
- DENOTES FLEXIBLE PAVEMENT
- DENOTES VEHICULAR CROSSOVER
- DENOTES LANDSCAPED VERGE
- DENOTES PEDESTRIAN PAVEMENT
- DENOTES EXISTING PAVEMENT

REFER TO DRAWING R1750 FOR TYPICAL ROAD SECTIONS AND DRAWING R1755 FOR PAVEMENT DETAILS.

Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025



3m 0 5 10 15 20 25 30m

SCALE 1:300 AT B1 SIZE SHEET

FOR S138 APPROVAL

ISSUED FOR SECTION 138 APPROVAL	05.12.24	B
ISSUED FOR SECTION 138 APPROVAL	26.11.24	A
AMENDMENTS	DATE	ISSUE



PROJECT	PROPOSED ROAD INFRASTRUCTURE
CLIENT	AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148
DESIGNED	LDV
DRAWN	JB
DATE	MAY '24
CHECKED	MW
SIZE	B1
SCALE	AS SHOWN
CAD REF:	C013904.03-R1745



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e: mail@costinroe.com.au w: costinroe.com.au

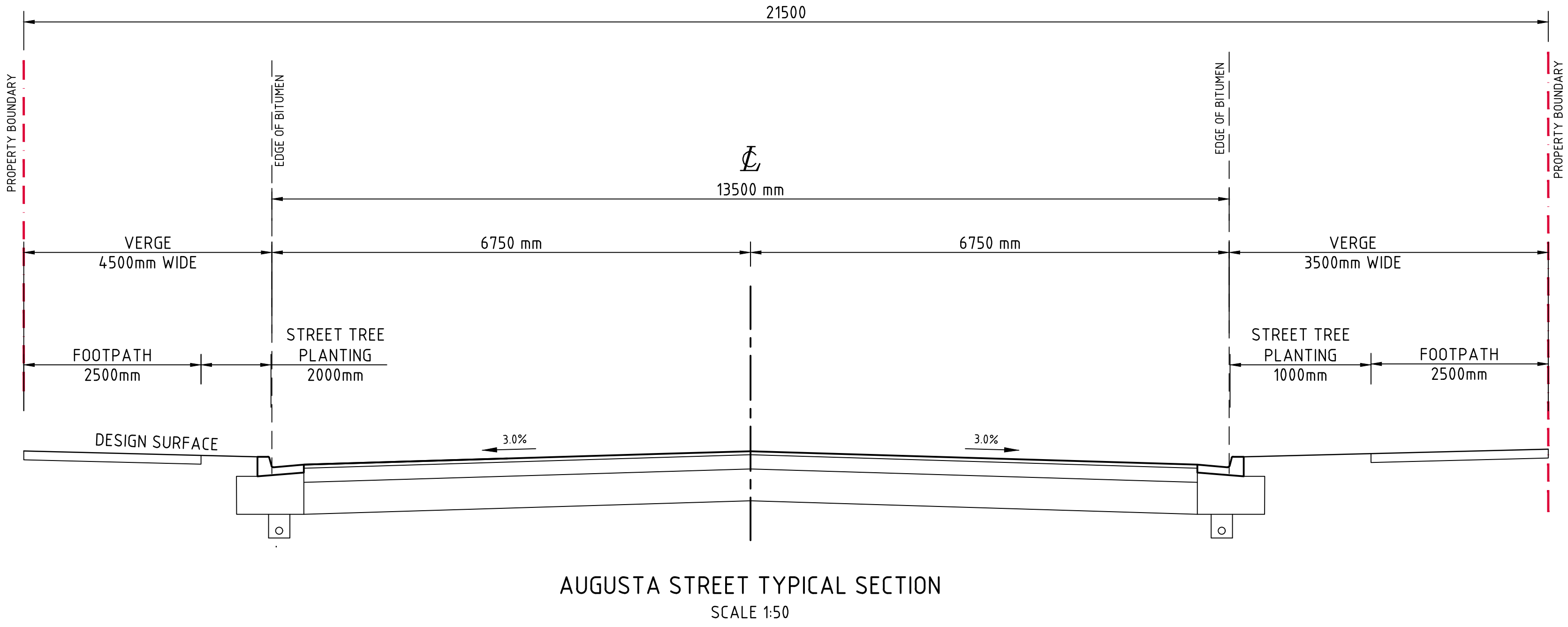


DRAWING TITLE
ROADWORKS PAVEMENT PLAN

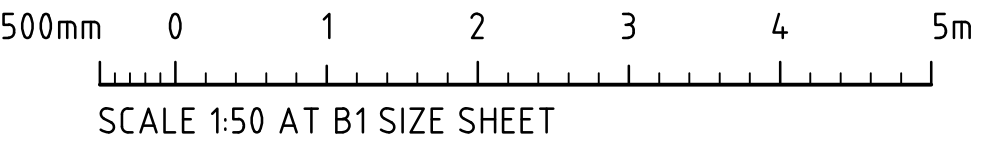
DRAWING No
C013904.03-R1745

ISSUE
B

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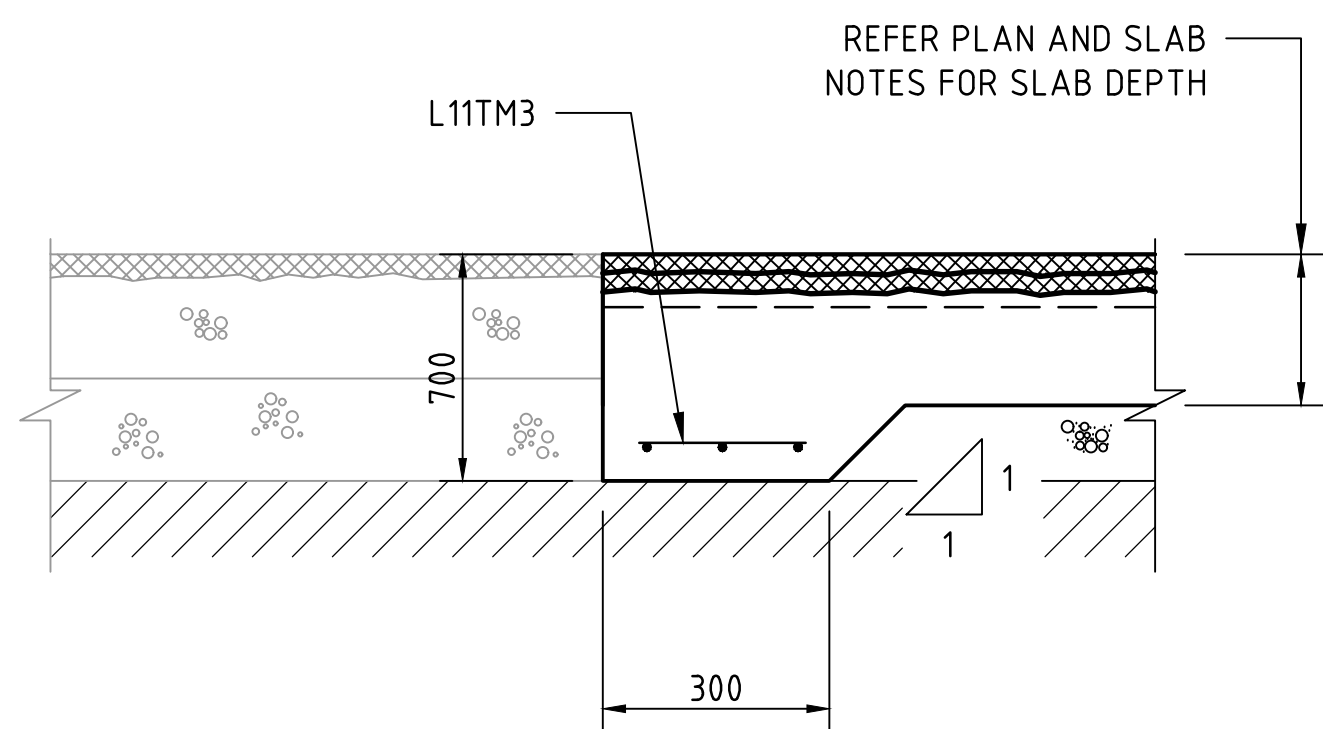
Subdivision Works Certificate
Certificate Number: 250062SW01
Issuing Officer: Garry Ryan
Registration Number: BDC0565
These plans/specifications form part of the certificate issued: 24/10/2025



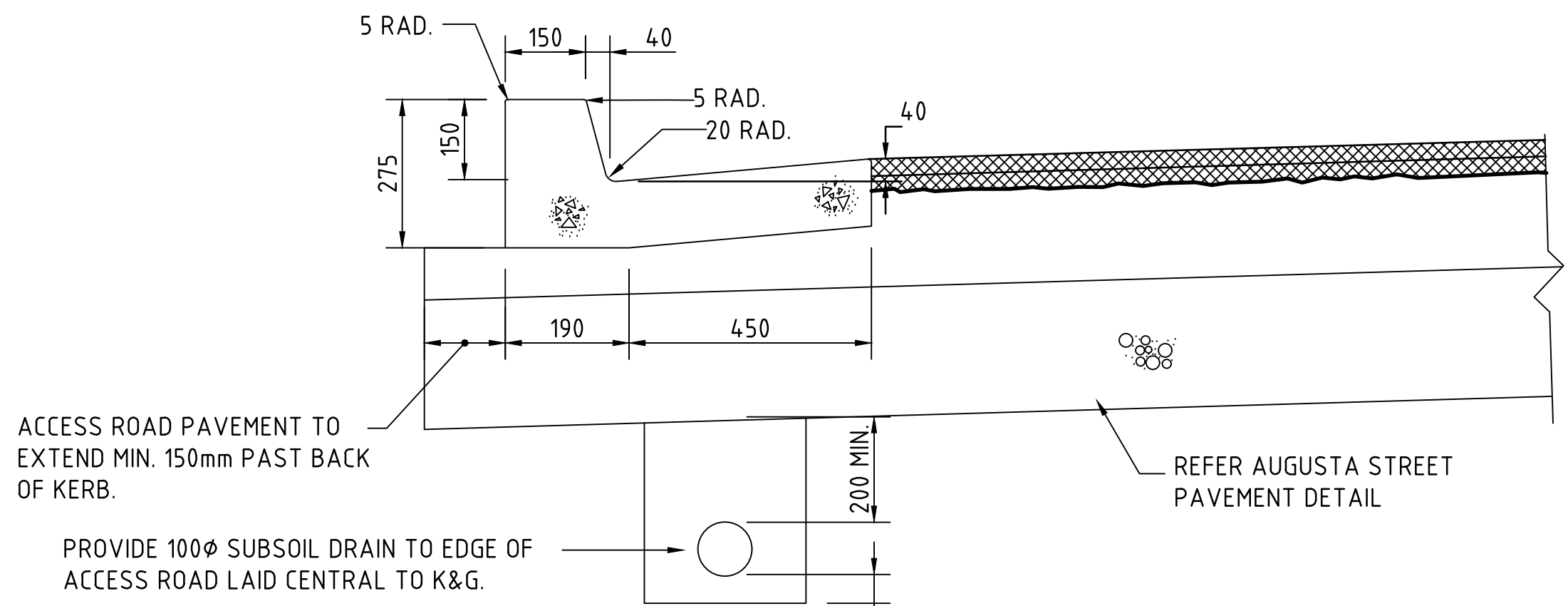
FOR S138 APPROVAL

				ARCHITECT		CLIENT		PROJECT				CONSULT AUSTRALIA		Costin Roe Consulting Pty Ltd. ABN 50 003 696 446		CRC COSTIN ROE CONSULTING		CIVIL & STRUCTURAL ENGINEERS		DRAWING TITLE TYPICAL ROAD SECTION	
								PROPOSED ROAD INFRASTRUCTURE AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148						PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 f: +61 2 9491 3733 e: mail@costinroe.com.au w: costinroe.com.au							
ISSUED FOR SECTION 138 APPROVAL				05.12.24		B															
ISSUED FOR SECTION 138 APPROVAL				26.11.24		A															
AMENDMENTS				DATE		ISSUE		AMENDMENTS				DATE		ISSUE				DRAWING NO		ISSUE	
																		C013904.03-RI750		B	

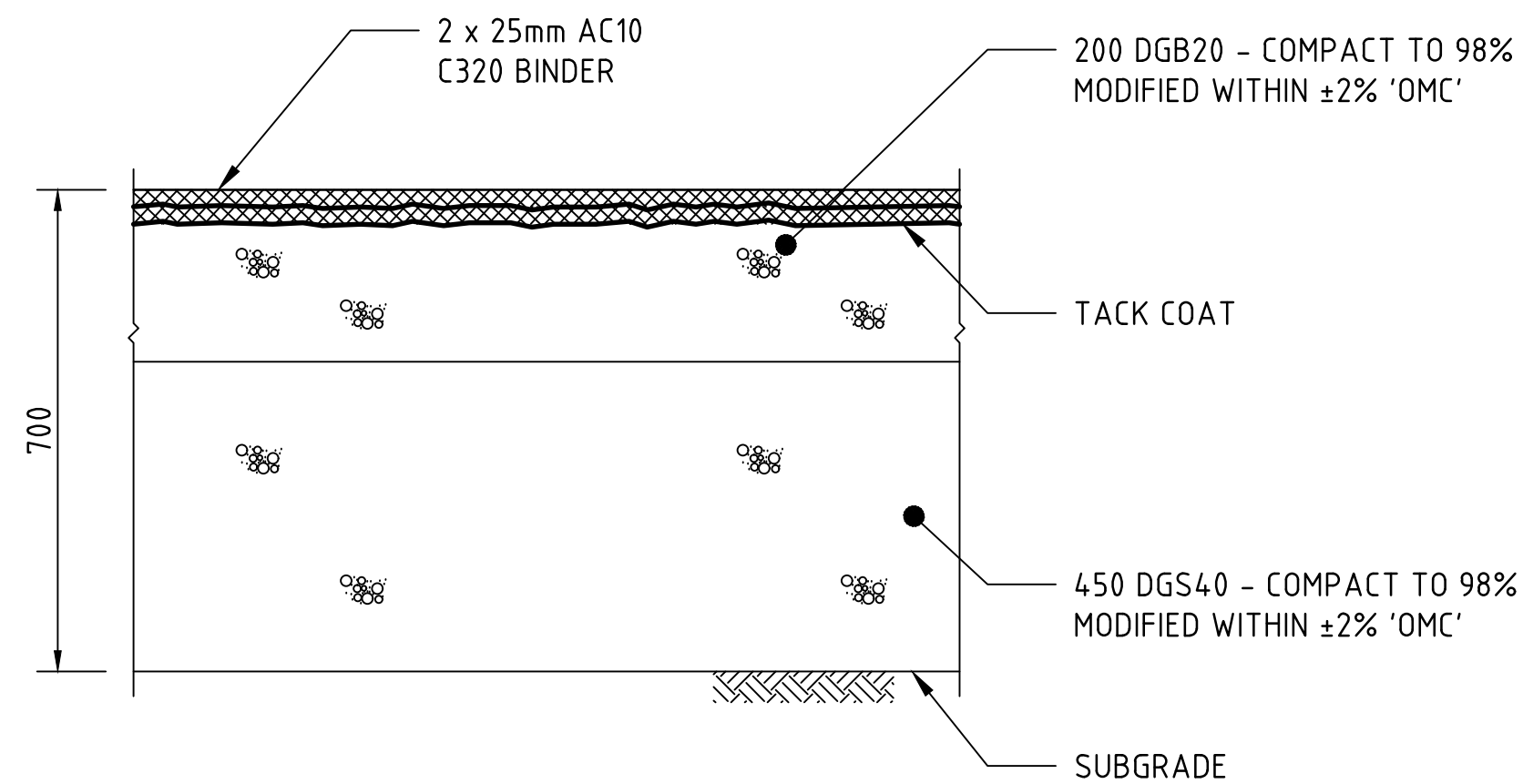
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EDGE THICKENING – ET
SCALE 1:10



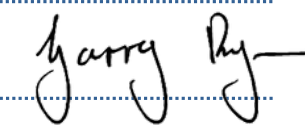
KERB & GUTTER (K&G) &
SUBSOIL DETAIL
SCALE 1:10



AUGUSTA STREET PAVEMENT DETAIL
SCALE 1:10
DESIGN TRAFFIC OF 1 x 10⁷ ESA's
DESIGN CBR VALUE OF 3.0%
CBR OF SUBGRADE TO BE CONFIRMED TO ENGINEER FOR
FINAL PAVEMENT OPTIMISATION AND DESIGN.
CBR OF SELECT FILL TO BE CONFIRMED PRIOR TO
CONSTRUCTION OF ANY SUBSEQUENT PAVEMENT LAYER

Subdivision Works Certificate

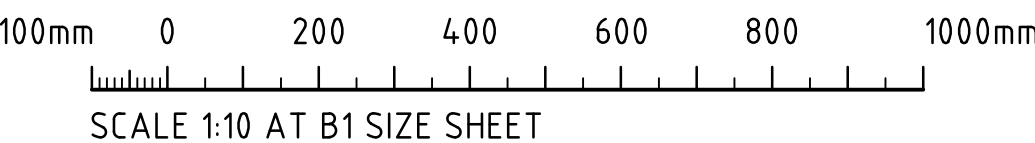
Certificate Number: 250062SW01

Issuing Officer: Garry Ryan 

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025

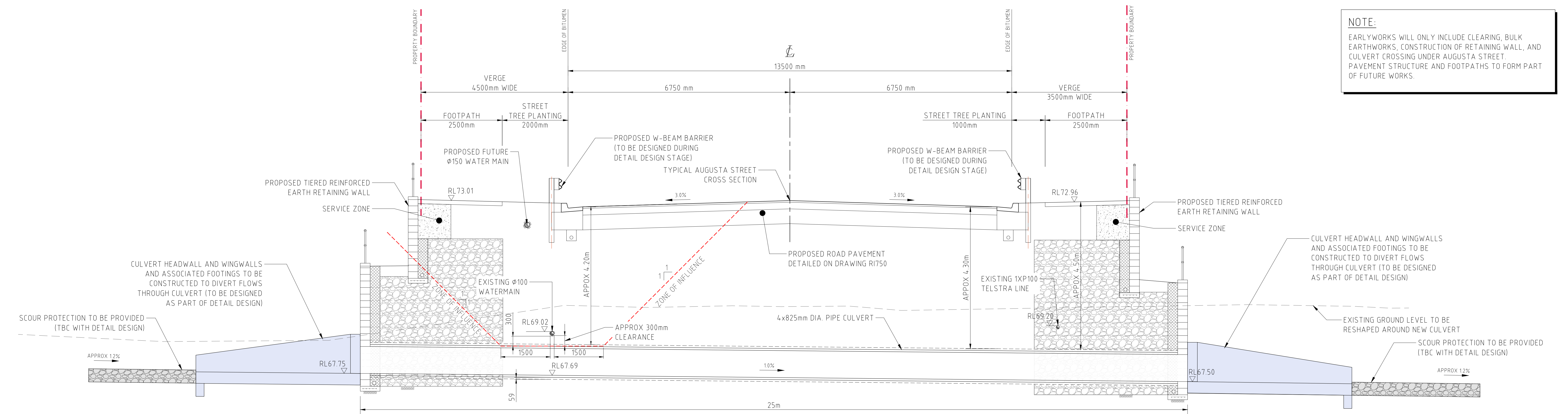




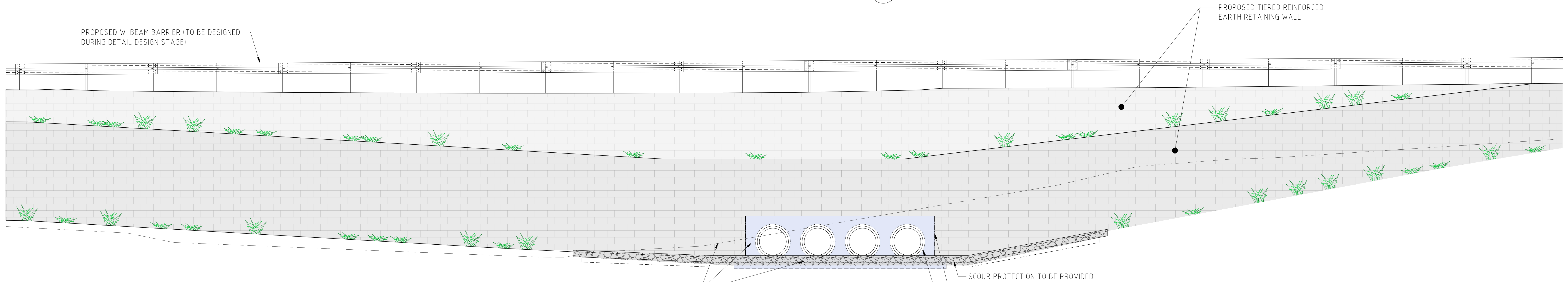
FOR S138 APPROVAL

																				
ISSUED FOR SECTION 138 APPROVAL			26.11.24			A														
AMENDMENTS			DATE			ISSUE			AMENDMENTS			DATE			ISSUE					

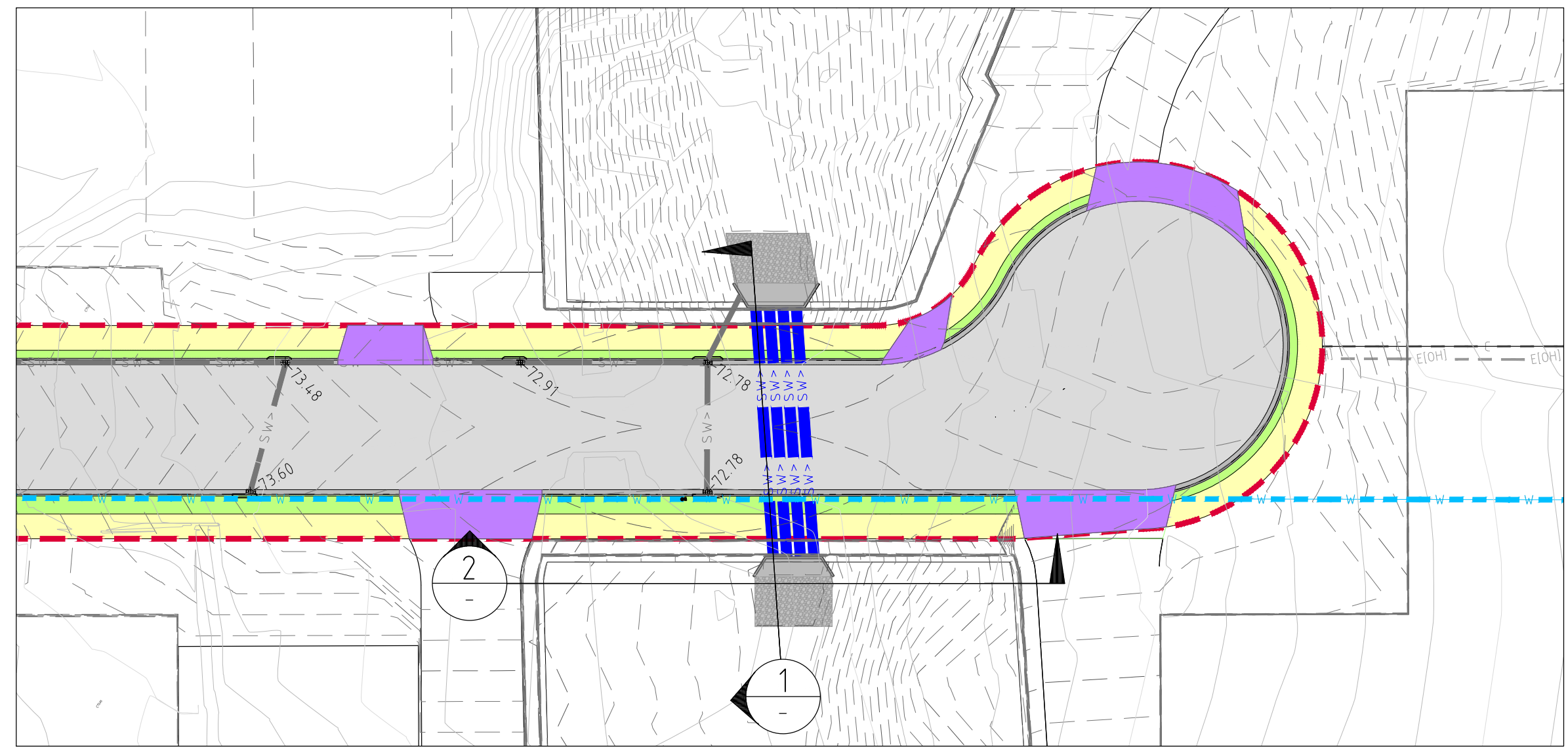
NOTE:
EARLYWORKS WILL ONLY INCLUDE CLEARING, BULK EARTHWORKS, CONSTRUCTION OF RETAINING WALL, AND CULVERT CROSSING UNDER AUGUSTA STREET. PAVEMENT STRUCTURE AND FOOTPATHS TO FORM PART OF FUTURE WORKS.



SECTION 1:50
PROPOSED DUAL PIPE CULVERT UNDER AUGUSTA STREET



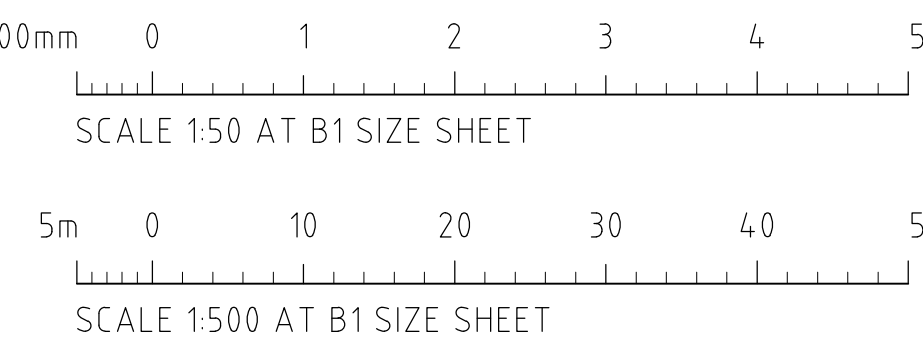
SECTION 2:50
PROPOSED DUAL PIPE CULVERT UNDER AUGUSTA STREET



PLAN SCALE 1:500

Subdivision Works Certificate
Certificate Number: 250062SW01
Issuing Officer: Garry Ryan
Registration Number: BDC0565
These plans/specifications form part of the certificate issued: 24/10/2025

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FOR S138 APPROVAL

ISSUED FOR SECTION 138 APPROVAL AMENDMENTS	26.11.24	A	AMENDMENTS	DATE	ISSUE
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ARCHITECT
PACE
ARCHITECTS

CLIENT
LOGOS

PROJECT PROPOSED ROAD INFRASTRUCTURE AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148	DESIGNED LDV	DRAWN JB	DATE MAY '24	CHECKED MW	SIZE B1	SCALE AS SHOWN	CAD REF: C013904.03-R1756
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CONSULT AUSTRALIA

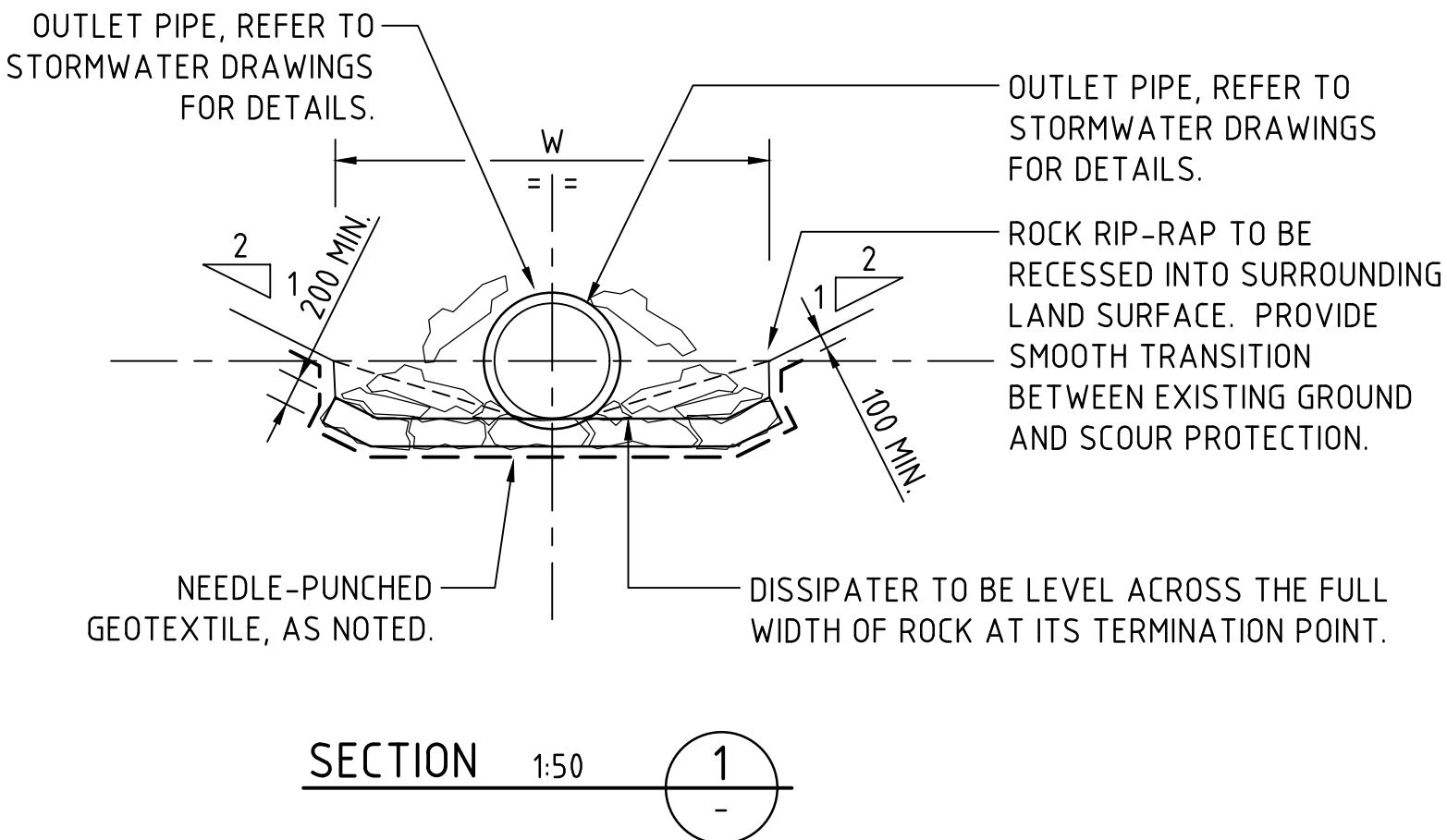
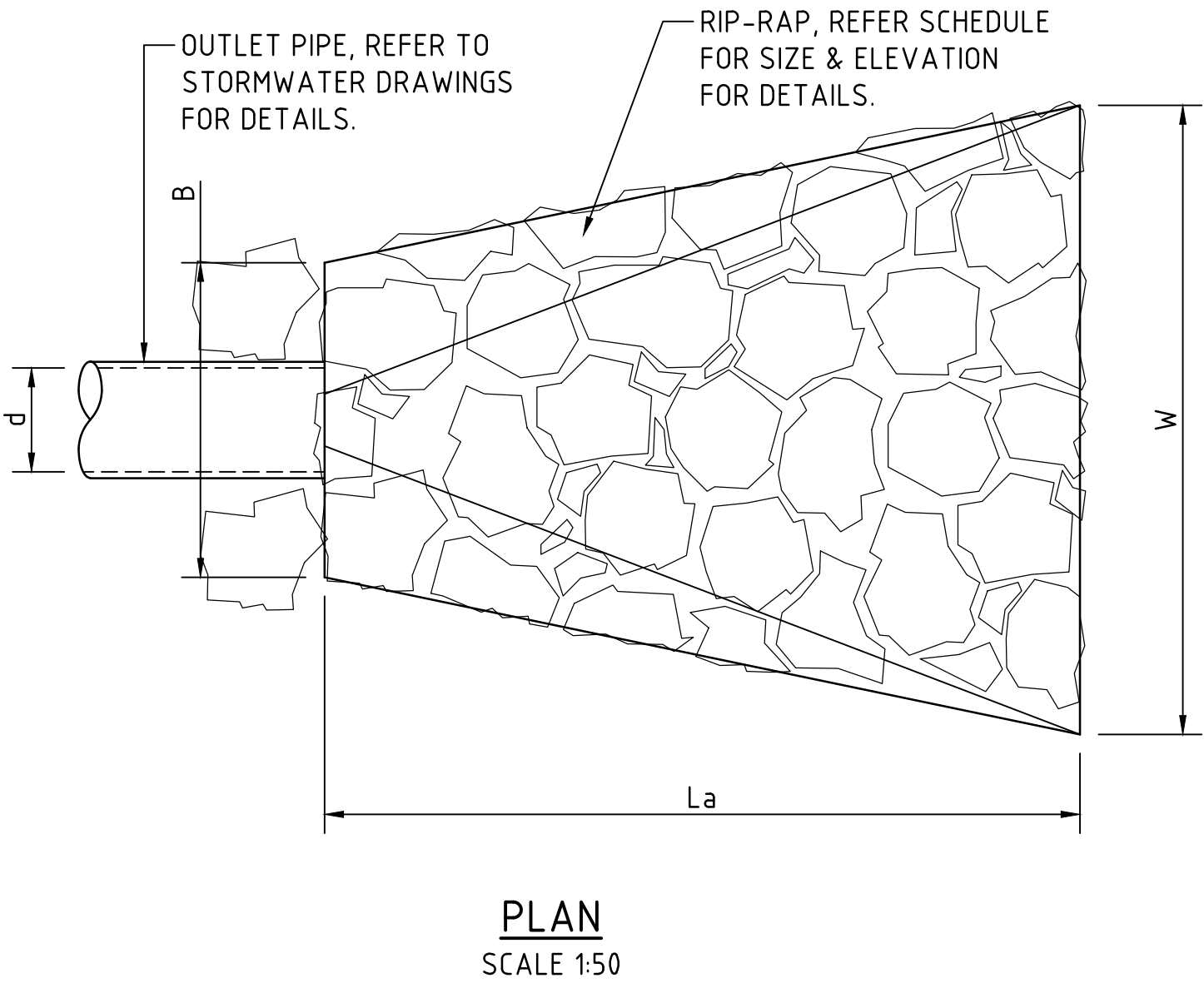
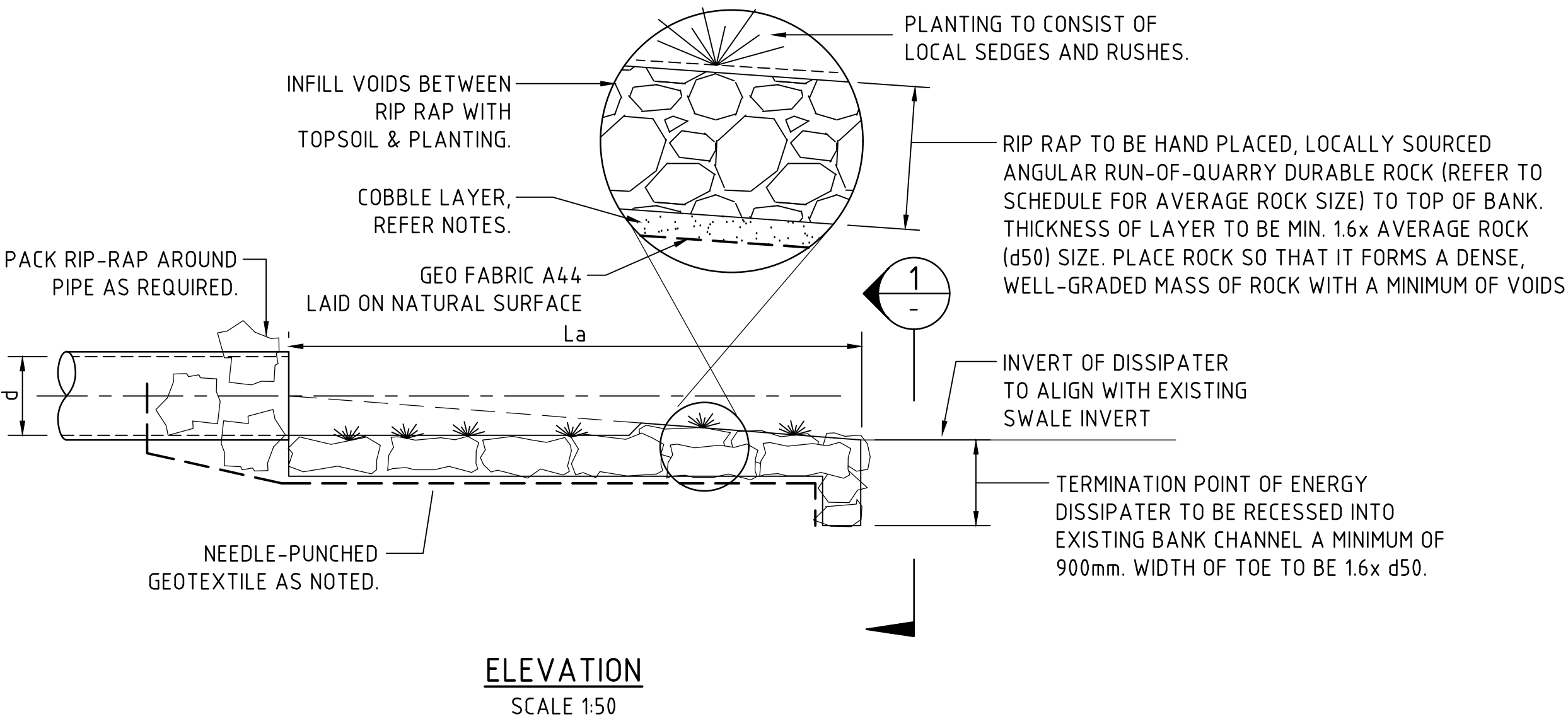
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CRC
COSTIN ROE CONSULTING
CIVIL & STRUCTURAL ENGINEERS

DRAWING TITLE PROPOSED CULVERT DETAILS	DRAWING No C013904.03-R1756	ISSUE A
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- DISSIPATER NOTES:
1. ALIGN STRUCTURE EVENLY WITH BANK.
 2. LOCATE STRUCTURE AT INVERT LEVEL OF STREAM AND POINT IN A DOWNSTREAM DIRECTION.
 3. PIPE TO REST ON, AND BE PACKED IN, BY RIP-RAP (SIZE AS NOTED).
 4. DISCHARGE INTO STREAM WHERE BEDROCK IS PRESENT, OTHERWISE SCOUR PROTECT AS REQUIRED.
 5. SCOUR PROTECT THE OPPOSITE BANK AS REQUIRED. SCOUR PROTECTION TO BE PROVIDED WHERE OPPOSITE BANK IS WITHIN 12-14 TIMES THE PIPE DIAMETER.
 6. RIP-RAP TO CONSIST OF ANGULAR RUN-OF-QUARRY ROCK (d50= 150mm MINIMUM) AS NOTED IN THE SCHEDULE. RIP-RAP TO BE MINIMUM THICKNESS OF RIP-RAP LAYER TO BE 1.6x AVERAGE ROCK SIZE (d50).
 7. RIP-RAP IS TO BE PLACED OVER A 200mm LAYER OF 140mm COBBLES OVER NEEDLE-PUNCHED GEOFAB A44.
 8. PLACE ROCK SO THAT IT FORMS A DENSE, WELL-GRADED MASS OF ROCK WITH A MINIMUM OF VOIDS. THE FINISHED RIP-RAP SURFACE SHOULD BE FREE OF POCKETS OF SMALL ROCK OR CLUSTERS OF LARGE ROCKS.
 9. GAPS IN RIP-RAP TO BE HAND PACKED WITH TOPSOIL & PLANTED WITH NATIVE SEDGES & RUSHES TO PROVIDE. THE INTENT IS FOR THERE TO BE NO VOIDS BETWEEN RIP-RAP BOULDERS.
 10. ENSURE THE FINISHED ROCK SURFACE BLENDS WITH THE SURROUNDING GROUND LEVELS. NO OVERFALL OR PROTRUSION OF ROCK SHOULD BE APPARENT.
 11. ENSURE THAT STORMWATER FROM SURROUNDING GROUND IS FREE TO ENTER THE STRUCTURE WITHOUT CAUSING UNDESIRABLE PONDING OR SCOUR.

DISSIPATER SCHEDULE					
DISCHARGE POINT	d	B	La	W	RIP-RAP (d50)
INLET	4 x 825ø	5750	5000	15750	200
OUTLET	4 x 825ø	5750	5000	15750	200



STORMWATER INLET/OUTLET DISSIPATER

Subdivision Works Certificate

Certificate Number: 250062SW01

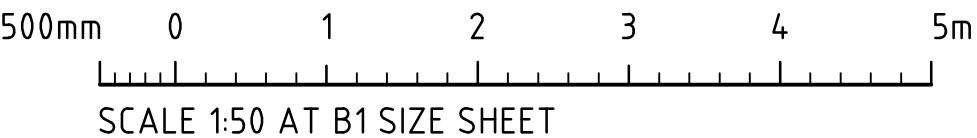
Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025

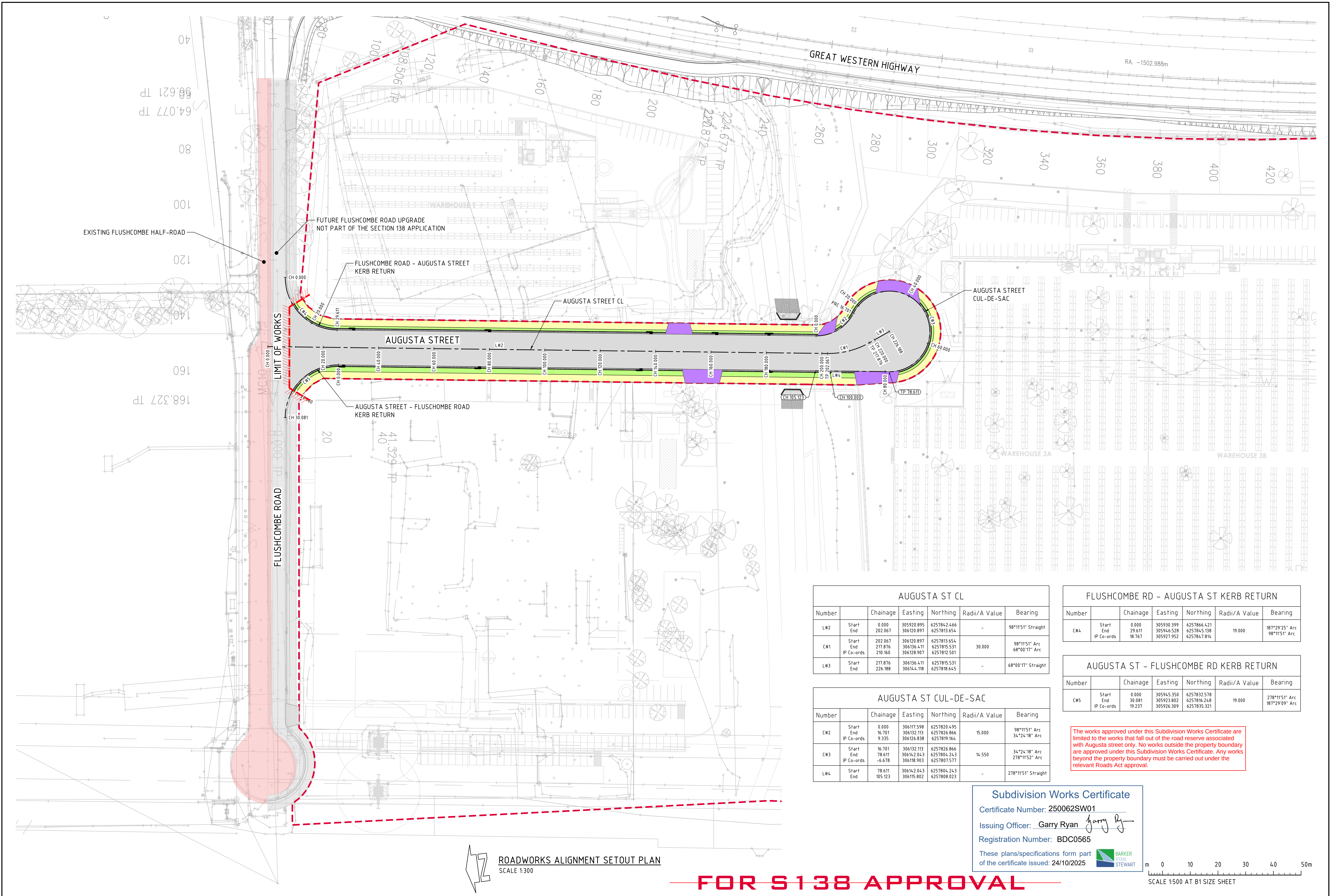


The works approved under this Subdivision Works Certificate are limited to the works that fall out of the road reserve associated with Augusta street only. No works outside the property boundary are approved under this Subdivision Works Certificate. Any works beyond the property boundary must be carried out under the relevant Roads Act approval.



FOR S138 APPROVAL

PROJECT PROPOSED ROAD INFRASTRUCTURE AUGUSTA STREET, HUNTINGWOOD EAST, NSW 2148			ARCHITECT PACE ARCHITECTS			CLIENT LOGOS			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd. ABN 50 003 696 446 PO Box N419 Sydney NSW 1220 Level 4, 8 Windmill Street, Millers Point NSW 2000 p: +61 2 9251 7699 f: +61 2 9241 3731 e: mail@costinroe.com.au w: costinroe.com.au			CRC COSTIN ROE CONSULTING CIVIL & STRUCTURAL ENGINEERS			DRAWING TITLE STORMWATER DRAINAGE DETAILS		
ISSUED FOR SECTION 138 APPROVAL	26.11.24	A	ARCHITECT			CLIENT			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd.			CIVIL & STRUCTURAL ENGINEERS			DRAWING TITLE		
AMENDMENTS	DATE	ISSUE	ARCHITECT			CLIENT			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd.			CIVIL & STRUCTURAL ENGINEERS			DRAWING No		
			ARCHITECT			CLIENT			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd.			CIVIL & STRUCTURAL ENGINEERS			C013904.03-R1759		
			ARCHITECT			CLIENT			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd.			CIVIL & STRUCTURAL ENGINEERS			ISSUE		
			ARCHITECT			CLIENT			CONSULT AUSTRALIA			Costin Roe Consulting Pty Ltd.			CIVIL & STRUCTURAL ENGINEERS			A		



AUGUSTA ST CL					
Number		Chainage	Easting	Northing	Radii/A Value Bearing
L#2	Start	0.000	305920.895	6257842.466	- 98°11'51" Straight
	End	202.067	306120.897	6257813.654	
C#1	Start	202.067	306120.897	6257813.654	30.000 98°11'51" Arc
	End	217.876	306136.411	6257815.531	
L#3	Start	217.876	306136.411	6257815.531	68°00'17" Straight
	End	226.188	306144.118	6257818.645	

AUGUSTA ST CUL-DE-SAC					
Number		Chainage	Easting	Northing	Radii/A Value Bearing
C#2	Start	0.000	306117.598	6257820.495	15.000 98°11'51" Arc
	End	16.701	306132.113	6257826.866	
C#3	Start	16.701	306132.113	6257826.866	14.550 34°24'18" Arc
	End	78.611	306142.043	6257804.243	
L#4	Start	78.611	306142.043	6257804.243	- 278°11'51" Straight
	End	105.123	30615.802	6257808.023	

FLUSHCOMBE RD - AUGUSTA ST KERB RETURN					
Number		Chainage	Easting	Northing	Radii/A Value Bearing
C#4	Start	0.000	305930.399	6257866.421	19.000 187°29'25" Arc
	End	29.611	305946.528	6257845.138	
IP Co-ords		18.767	305927.952	6257847.814	98°11'51" Arc

AUGUSTA ST - FLUSHCOMBE RD KERB RETURN					
Number		Chainage	Easting	Northing	Radii/A Value Bearing
C#5	Start	0.000	305945.350	6257832.578	19.000 278°11'51" Arc
	End	30.081	305923.802	6257816.248	
IP Co-ords		19.237	305926.309	6257835.321	187°29'09" Arc

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Subdivision Works Certificate

Certificate Number: 250062SW01

Issuing Officer: Garry Ryan

Registration Number: BDC0565

These plans/specifications form part of the certificate issued: 24/10/2025

BARKER ROE CONSULTING

STEWART

